

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061299.D
 Acq On : 25 Mar 2019 12:42
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:28:28 PM

Quant Time: Mar 26 02:32:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 01:57:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	733380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1280641	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	989397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	455865	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	455231	71.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.84%	
35) Dibromofluoromethane	6.93	113	711964	72.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.30%	
50) Toluene-d8	10.41	98	1763491	74.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.44%	
62) 4-Bromofluorobenzene	13.55	95	608431	65.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	471391	62.830	ug/l	98
3) Chloromethane	1.77	50	371969	63.565	ug/l	96
4) Vinyl Chloride	1.86	62	333848	61.025	ug/l	97
5) Bromomethane	2.16	94	66744	58.927	ug/l	98
6) Chloroethane	2.28	64	112858	65.548	ug/l	99
7) Trichlorofluoromethane	2.54	101	486660	60.085	ug/l	98
8) Diethyl Ether	2.88	74	170586	70.919	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	520925	63.268	ug/l	98
10) Methyl Iodide	3.32	142	856509	74.465	ug/l	99
11) Tert butyl alcohol	4.07	59	117795	349.638	ug/l	96
12) 1,1-Dichloroethene	3.14	96	444538	62.753	ug/l	99
13) Acrolein	3.05	56	121828	329.912	ug/l	95
14) Allyl chloride	3.64	41	661947	65.980	ug/l	99
15) Acrylonitrile	4.21	53	387081	326.687	ug/l	100
16) Acetone	3.23	43	545159	359.769	ug/l	97
17) Carbon Disulfide	3.39	76	1480115	62.858	ug/l	100
18) Methyl Acetate	3.65	43	188519	65.879	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	793385	63.557	ug/l	99
20) Methylene Chloride	3.82	84	513122	59.716	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	499880	63.044	ug/l	96
22) Diisopropyl ether	5.13	45	1343653	63.582	ug/l	99
23) Vinyl Acetate	5.07	43	3603336	319.404	ug/l	99
24) 1,1-Dichloroethane	5.00	63	814730	66.061	ug/l	99
25) 2-Butanone	6.08	43	618533	353.251	ug/l	99
26) 2,2-Dichloropropane	6.04	77	664302	63.509	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	567434	66.550	ug/l	97
28) Bromochloromethane	6.44	49	390129	75.568	ug/l	100
29) Tetrahydrofuran	6.46	42	278822	319.916	ug/l	97
30) Chloroform	6.67	83	864815	65.768	ug/l	99
31) Cyclohexane	6.96	56	697880	69.716	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	763622	65.583	ug/l	99
36) 1,1-Dichloropropene	7.15	75	655457	62.580	ug/l	99
37) Ethyl Acetate	6.19	43	277806	63.686	ug/l	97
38) Carbon Tetrachloride	7.12	117	748216m	60.439	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	686835	63.263	ug/l	98
40) Benzene	7.47	78	1623346	62.344	ug/l	99
41) Methacrylonitrile	6.45	41	317302	62.379	ug/l	97
42) 1,2-Dichloroethane	7.58	62	499985	61.621	ug/l	99
43) Isopropyl Acetate	9.24	43	417647	66.186	ug/l #	97
44) Trichloroethene	8.54	130	583822	62.036	ug/l	97
45) 1,2-Dichloropropane	8.94	63	420507	65.474	ug/l	97
46) Dibromomethane	9.06	93	281223	63.864	ug/l	96
47) Bromodichloromethane	9.38	83	633960	61.434	ug/l	99
48) Methyl methacrylate	9.12	41	223551	66.376	ug/l	97
49) 1,4-Dioxane	9.09	88	52610	1423.688	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	1141638	303.918	ug/l	99
52) Toluene	10.51	92	1012331	63.580	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	600010	66.910	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	699047	63.840	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	337453	63.837	ug/l	98
56) Ethyl methacrylate	11.05	69	359069	63.656	ug/l	95
57) 1,3-Dichloropropane	11.41	76	519611	65.086	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	1029771	350.914	ug/l	100
59) 2-Hexanone	11.53	43	858170	314.550	ug/l	100
60) Dibromochloromethane	11.69	129	532605	64.327	ug/l	98
61) 1,2-Dibromoethane	11.81	107	403426	65.318	ug/l	99
64) Tetrachloroethene	11.26	164	443899	65.129	ug/l	99
65) Chlorobenzene	12.40	112	1179474	64.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	454225	64.288	ug/l	97
67) Ethyl Benzene	12.53	91	1609928	57.725	ug/l	99
68) m/p-Xylenes	12.67	106	1404529	129.012	ug/l	97
69) o-Xylene	13.05	106	661061	65.471	ug/l	97
70) Styrene	13.08	104	1119655	65.337	ug/l	97
71) Bromoform	13.24	173	289047	66.853	ug/l	99
73) Isopropylbenzene	13.40	105	1720061	58.011	ug/l	98
74) N-amyl acetate	13.26	43	460661	59.384	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	346847	60.322	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	364278	64.255	ug/l	98
77) Bromobenzene	13.67	156	520099	62.797	ug/l	94
78) n-propylbenzene	13.78	91	1948396	58.245	ug/l	96
79) 2-Chlorotoluene	13.85	91	1059841	54.525	ug/l	94
80) 1,3,5-Trimethylbenzene	14.24	105	1511060	64.601	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	118663	66.324	ug/l	99
82) 4-Chlorotoluene	13.94	91	1236147	58.055	ug/l	96
83) tert-Butylbenzene	14.19	119	1728389	64.717	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1511060	64.601	ug/l	99
85) sec-Butylbenzene	14.37	105	1690270	56.830	ug/l	98
86) p-Isopropyltoluene	14.50	119	1646355	62.044	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	937572	63.865	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	888297	62.465	ug/l	98
89) n-Butylbenzene	14.80	91	1288423	54.690	ug/l	96
90) Hexachloroethane	15.01	117	461595	64.881	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	658205	56.189	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	51620	71.845	ug/l	80

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VSTDICC075

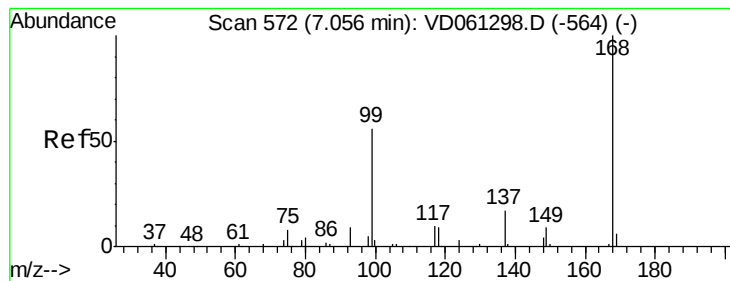
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	373439	69.028	ug/l	97
94) Hexachlorobutadiene	16.04	225	290975	66.745	ug/l	99
95) Naphthalene	16.12	128	540315	68.459	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	188904	74.760	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampled :

VSTDIC075

Tot Ion:168 Resp: 733380

Ion Ratio Lower Upper

168 100

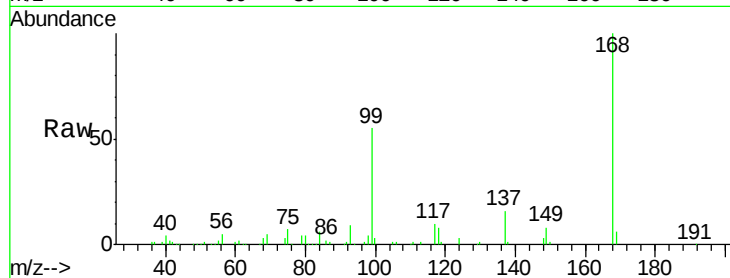
99 54.9 45.8 68.8

Manual Integrations

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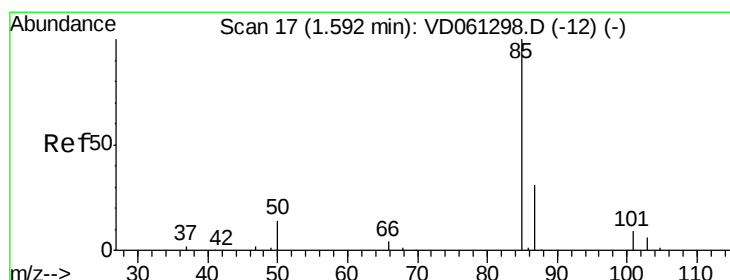
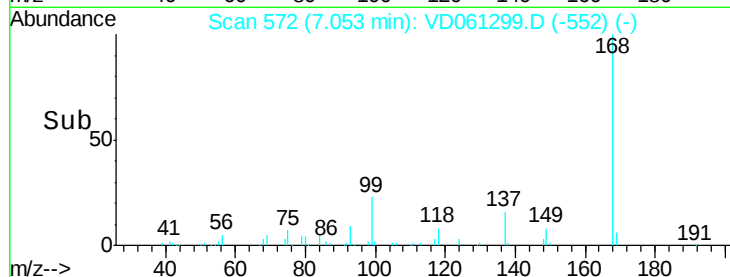
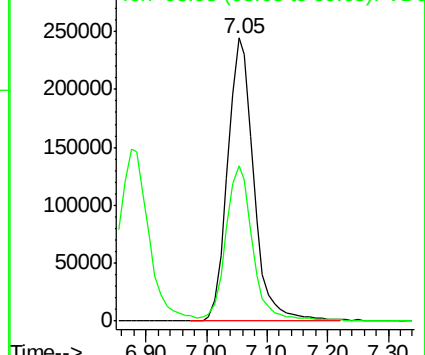
MMDadoda

3/26/2019 12:28:28 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 62.830 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061299.D

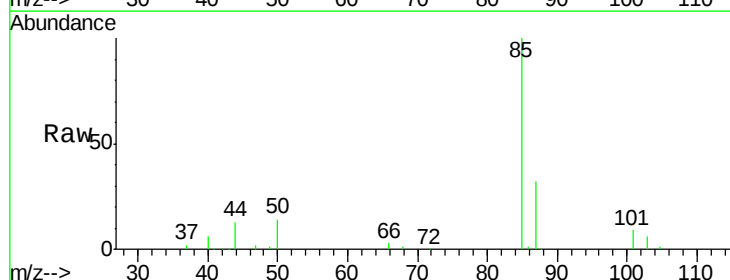
Acq: 25 Mar 2019 12:42

Tgt Ion: 85 Resp: 471391

Ion Ratio Lower Upper

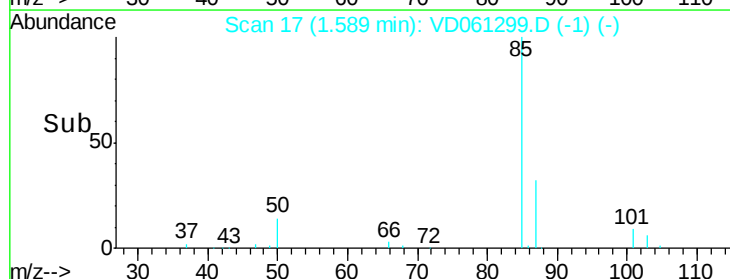
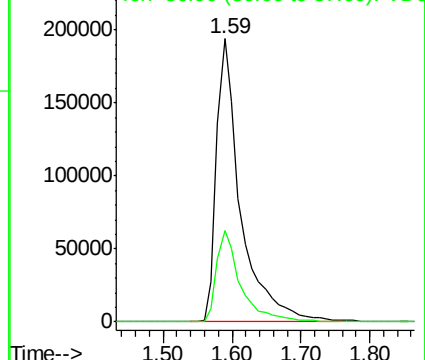
85 100

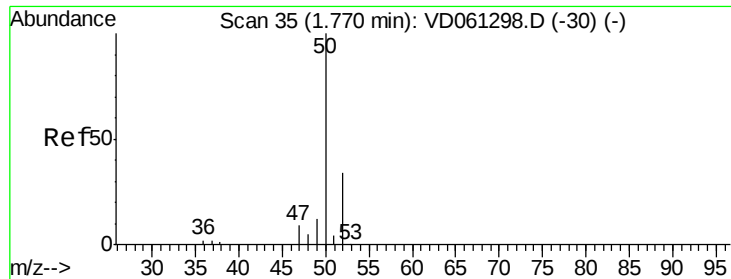
87 32.1 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 63.565 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 371969

Ion Ratio Lower Upper

50 100

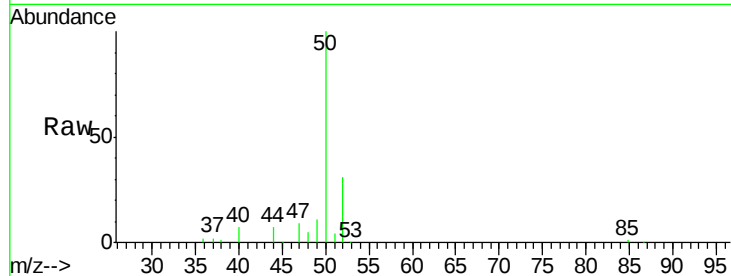
52 31.5 27.1 40.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

120000

100000

80000

60000

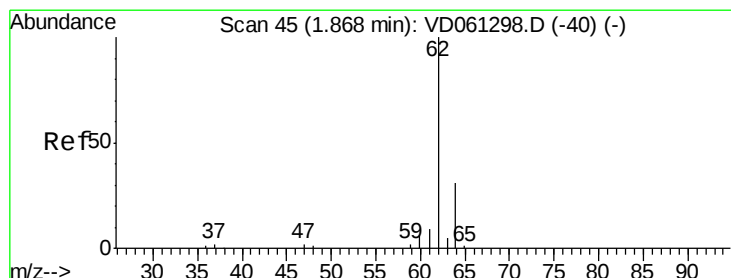
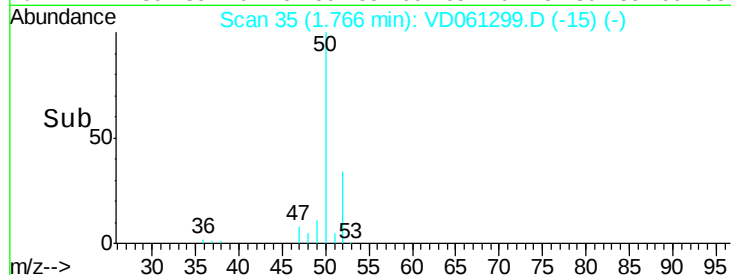
40000

20000

0

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 61.025 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061299.D

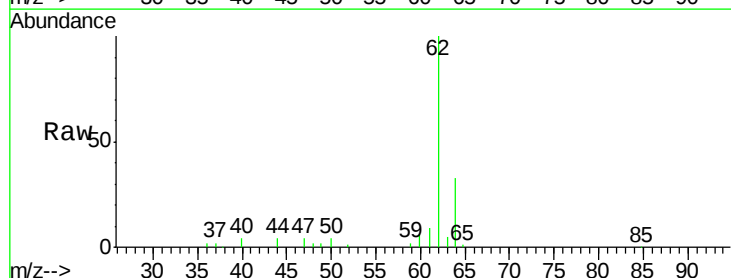
Acq: 25 Mar 2019 12:42

Tgt Ion: 62 Resp: 333848

Ion Ratio Lower Upper

62 100

64 33.0 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

150000

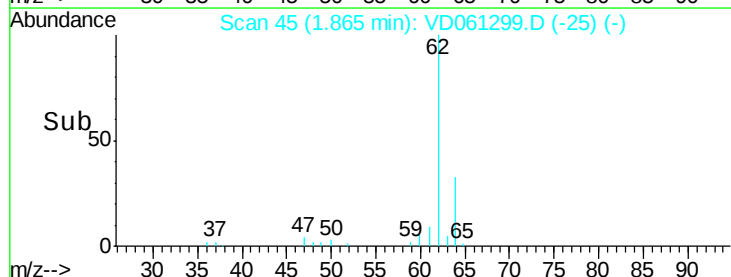
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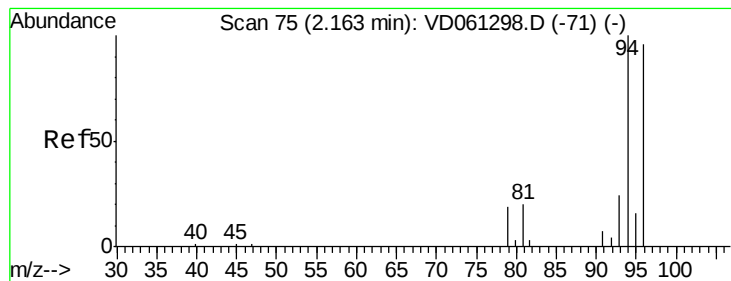
50000

0

1.80 1.90 2.00 2.10

Time-->





#5

Bromomethane

Concen: 58.927 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 66744

Ion Ratio Lower Upper

94 100

96 94.4 76.9 115.3

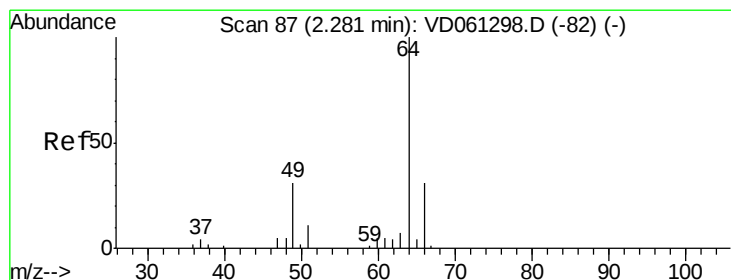
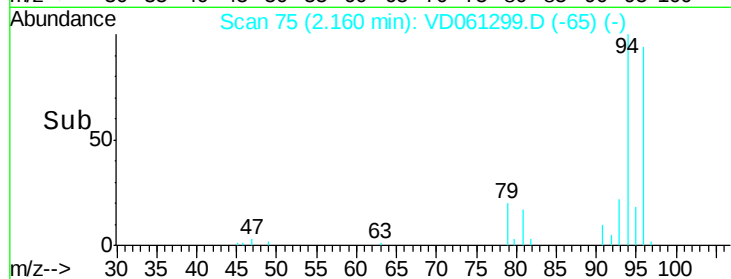
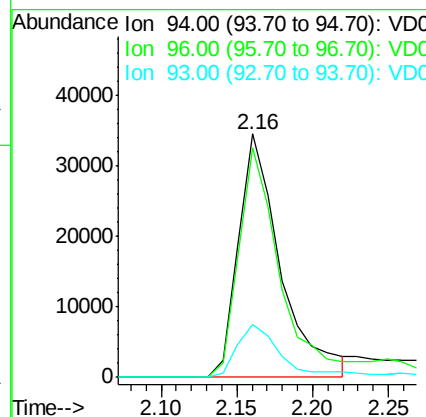
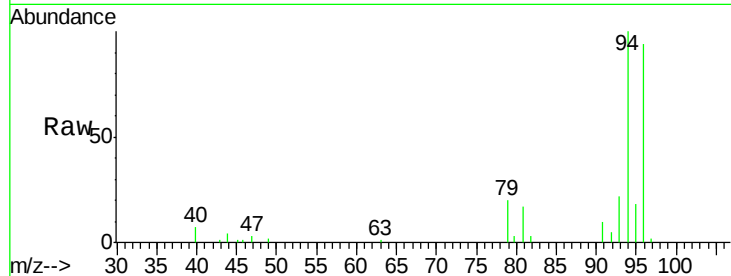
93 21.8 18.8 28.2

Manual Integrations

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#6

Chloroethane

Concen: 65.548 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD061299.D

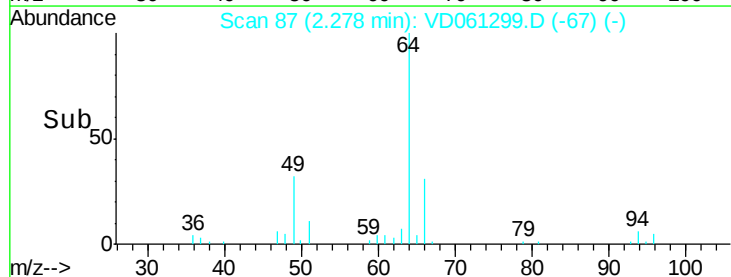
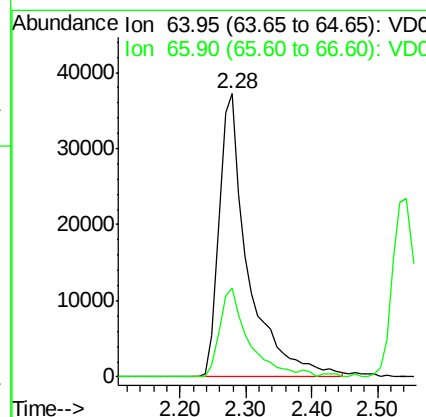
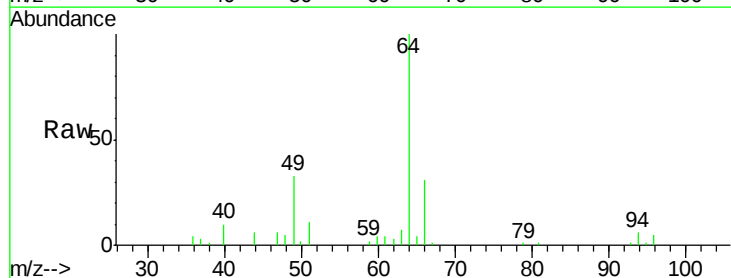
Acq: 25 Mar 2019 12:42

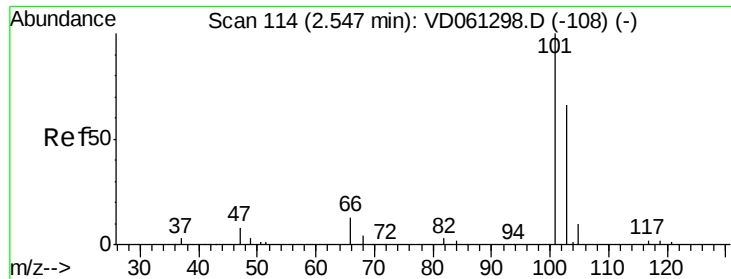
Tgt Ion: 64 Resp: 112858

Ion Ratio Lower Upper

64 100

66 31.2 24.6 36.8





#7

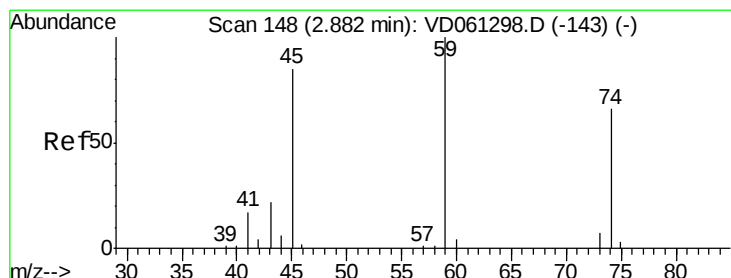
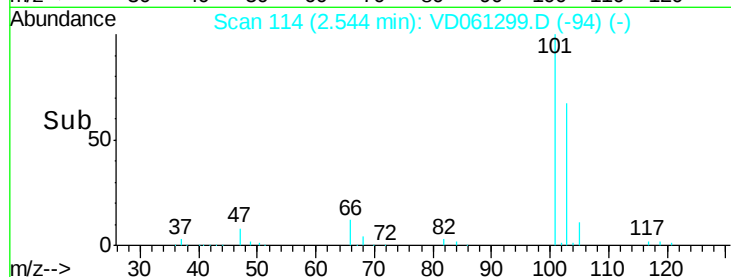
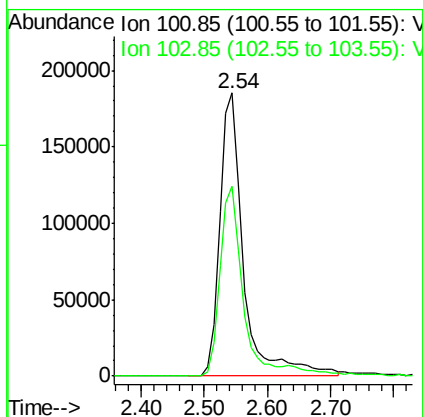
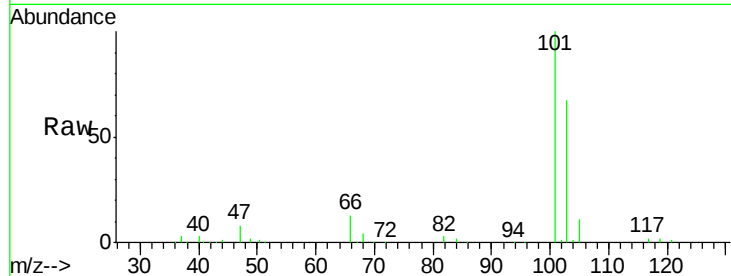
Trichlorofluoromethane
 Concen: 60.085 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		486660		
103	67.1	52.6	79.0		

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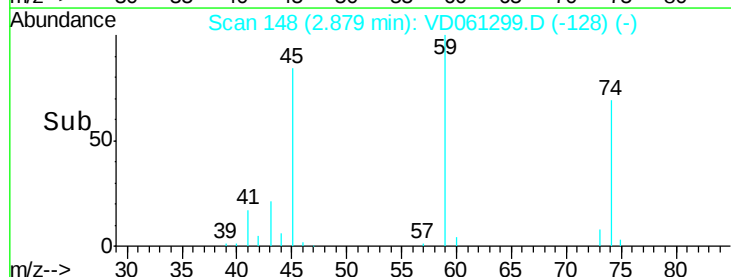
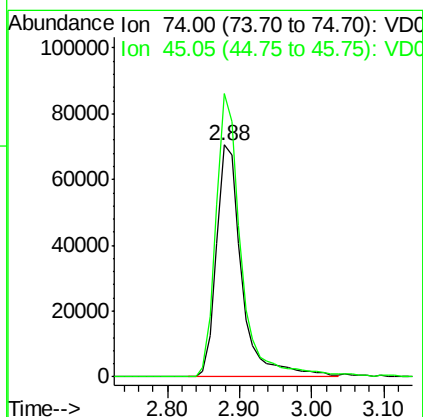
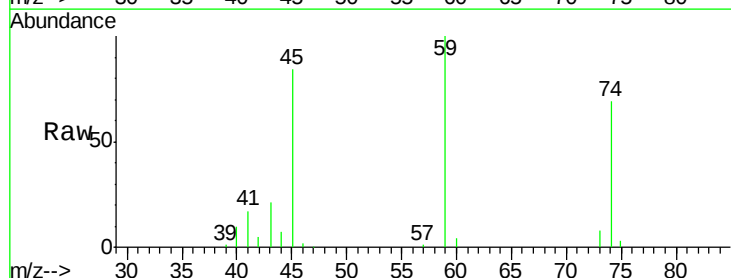
MMDadoda
 3/26/2019 12:28:28 PM

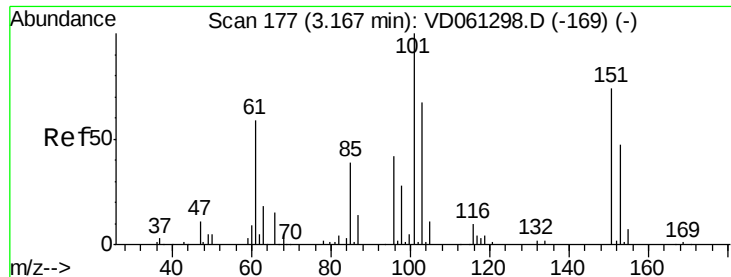


#8

Diethyl Ether
 Concen: 70.919 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		170586		
45	121.9	64.3	192.9		





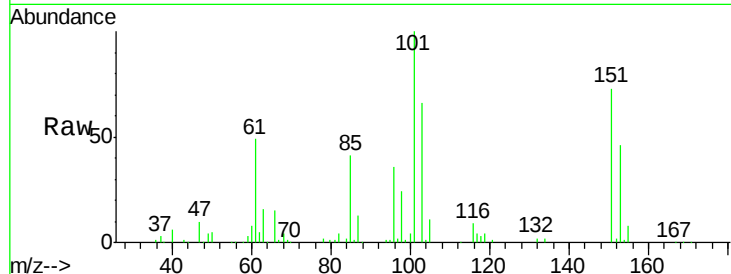
#9
1,1,2-Trichlorotrifluoroethane
Concen: 63.268 ug/l
RT: 3.16 min Scan# 177
Delta R.T. -0.00 min
Lab File: VD061299.D
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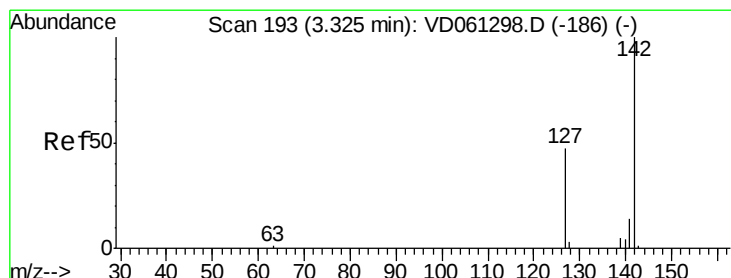
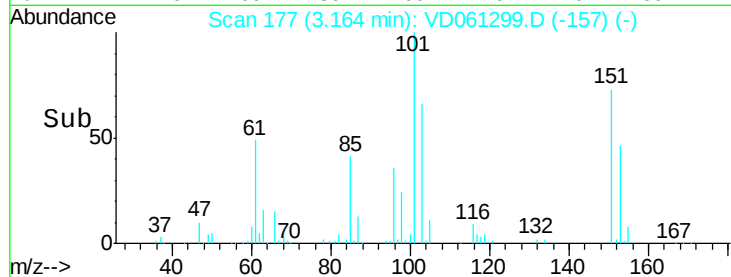
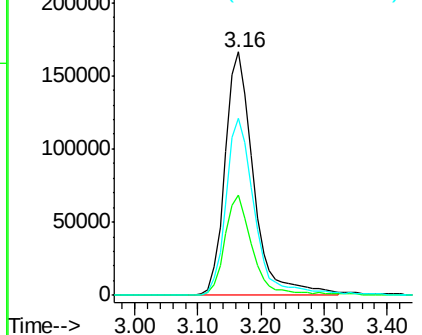
Tot Ion	Ratio	Resp	Lower	Upper
101	100	520925		
85	41.2		31.6	47.4
151	72.7		59.3	88.9

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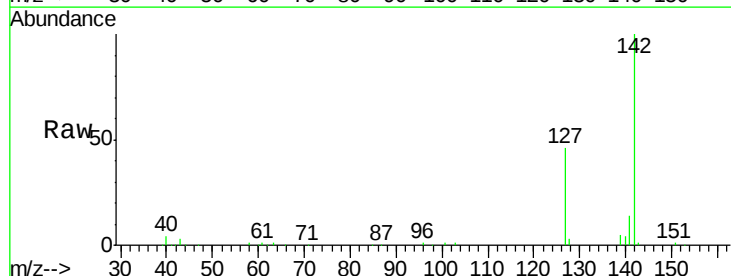


Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V

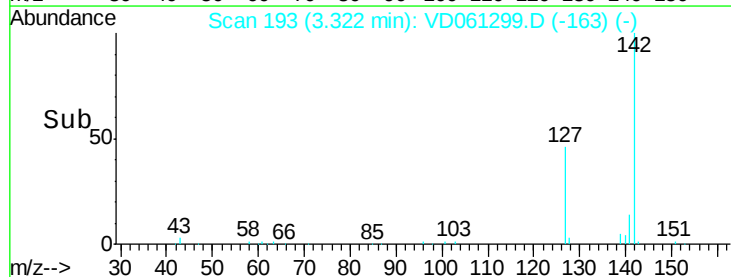
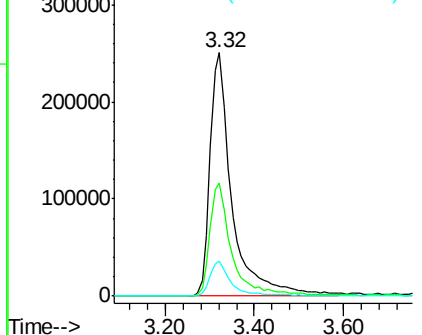


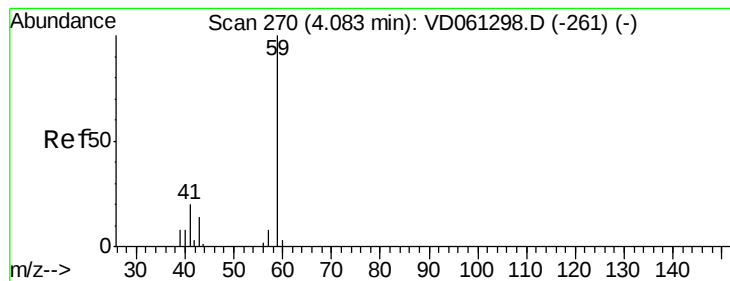
#10
Methyl Iodide
Concen: 74.465 ug/l
RT: 3.32 min Scan# 193
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	856509		
127	46.5		37.8	56.6
141	14.4		11.6	17.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

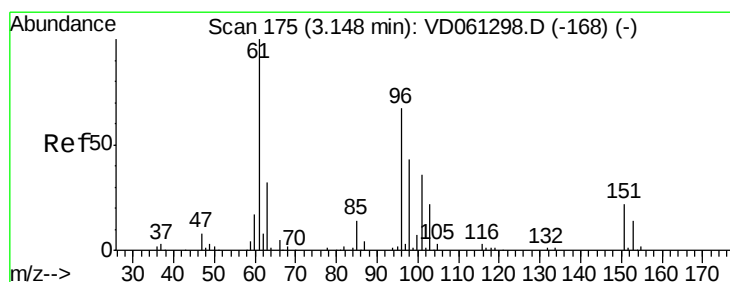
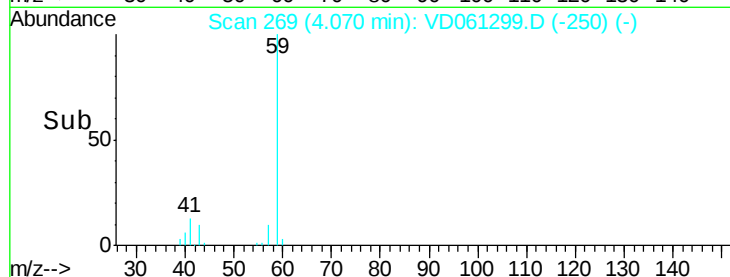
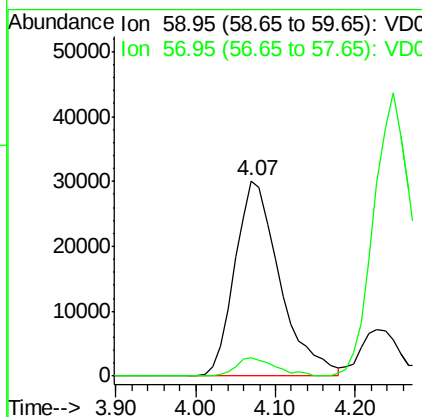
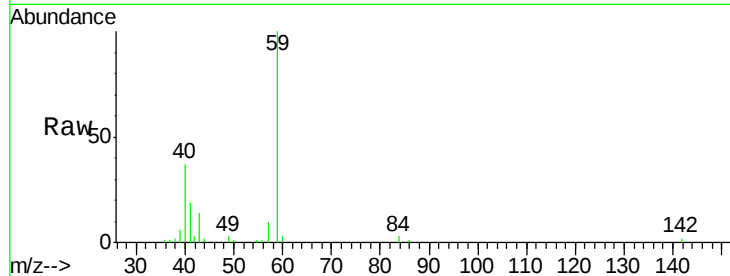
Tert butyl alcohol
Concen: 349.638 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 117795
Ion Ratio Lower Upper
59 100
57 9.5 6.6 9.8

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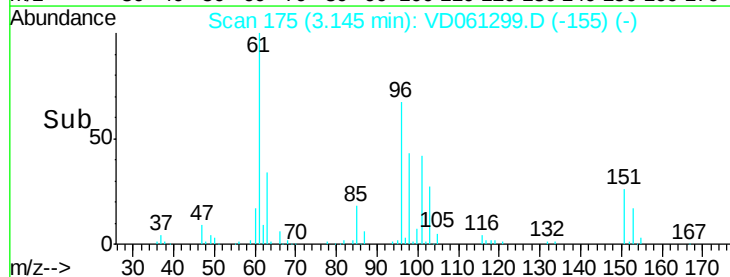
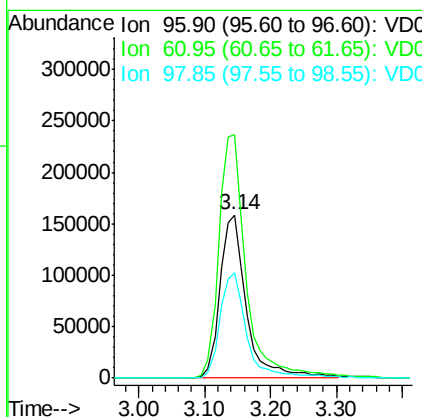
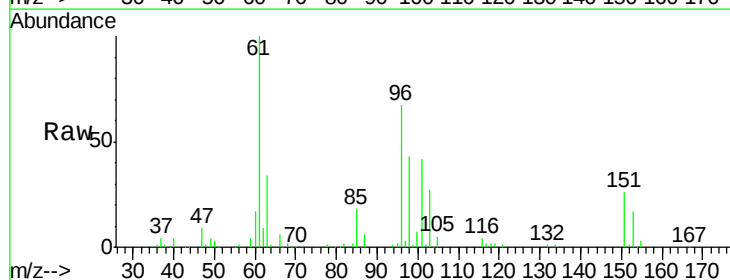
MMDadoda
3/26/2019 12:28:28 PM

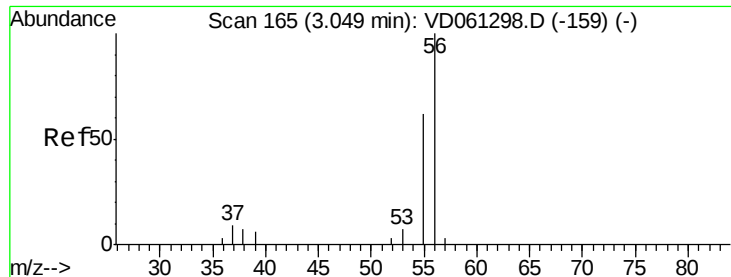


#12

1,1-Dichloroethene
Concen: 62.753 ug/l
RT: 3.14 min Scan# 175
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 96 Resp: 444538
Ion Ratio Lower Upper
96 100
61 148.8 120.2 180.2
98 64.6 52.2 78.4





#13

Acrolein

Concen: 329.912 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 121828

Ion Ratio Lower Upper

56 100

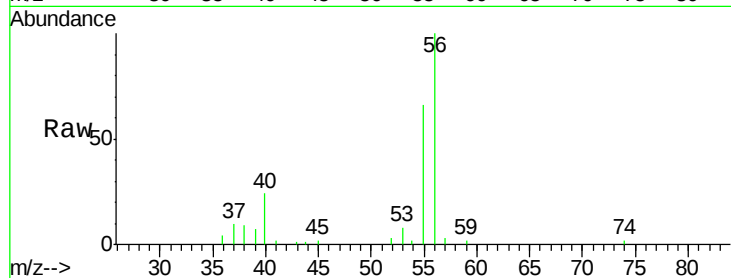
55 66.4 49.8 74.6

Manual Integrations

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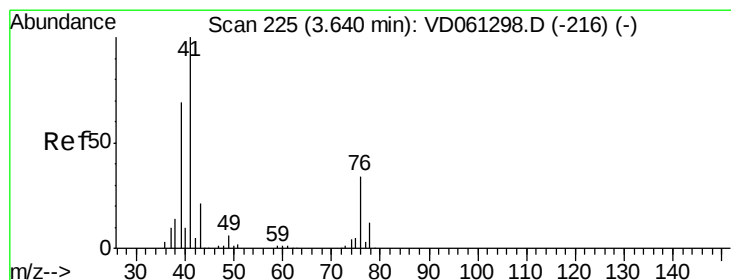
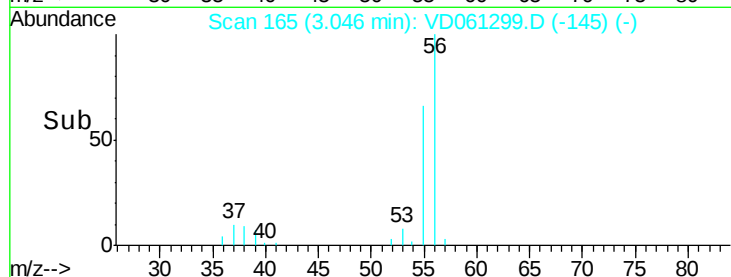
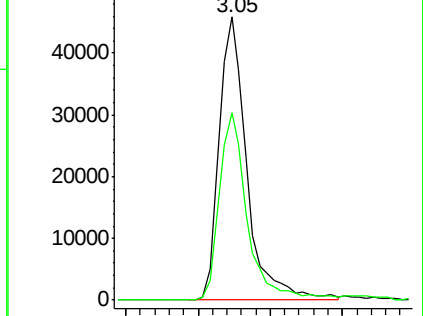
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 65.980 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

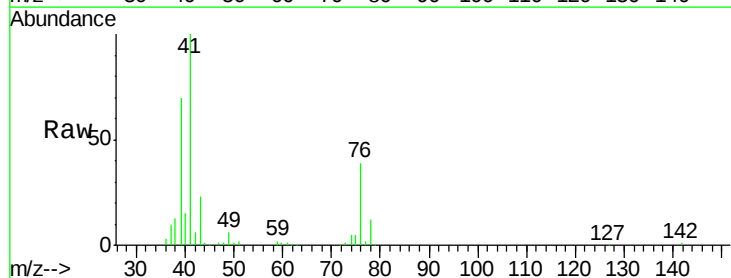
Tgt Ion: 41 Resp: 661947

Ion Ratio Lower Upper

41 100

39 69.8 55.1 82.7

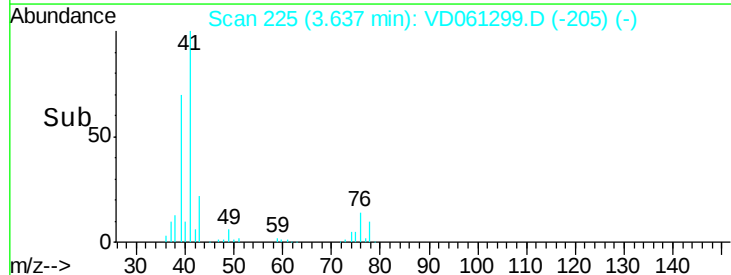
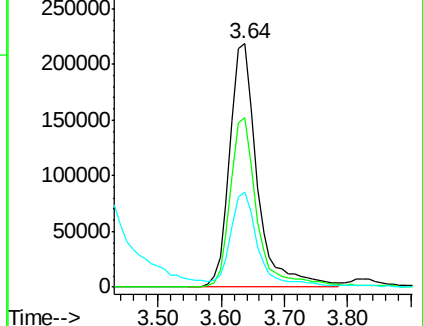
76 39.0 30.2 45.2

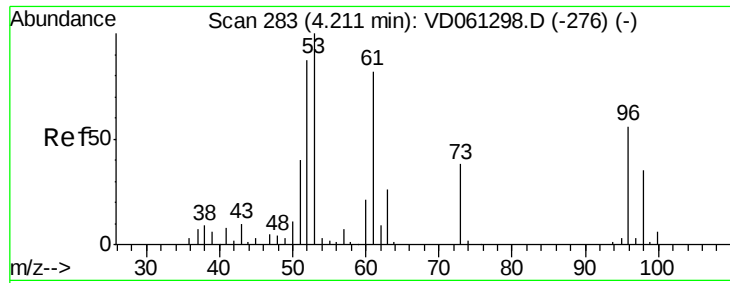


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 326.687 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

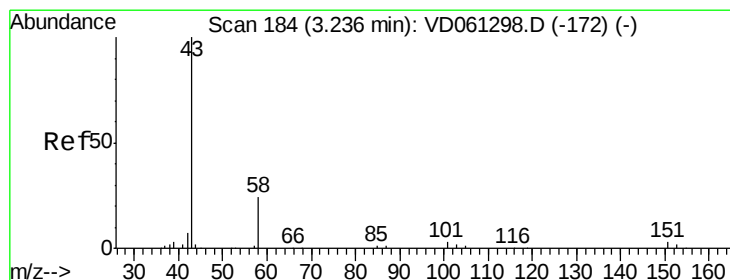
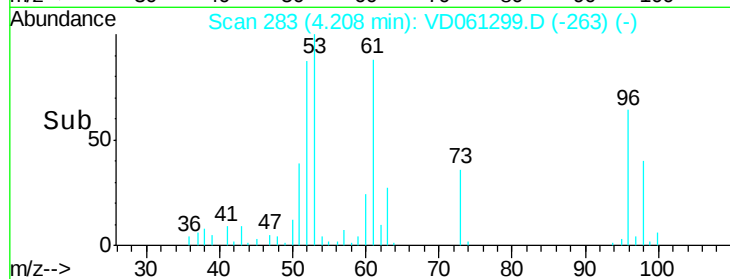
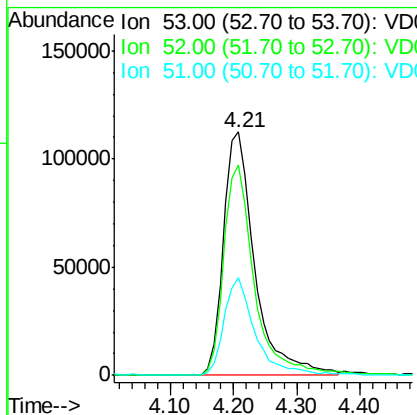
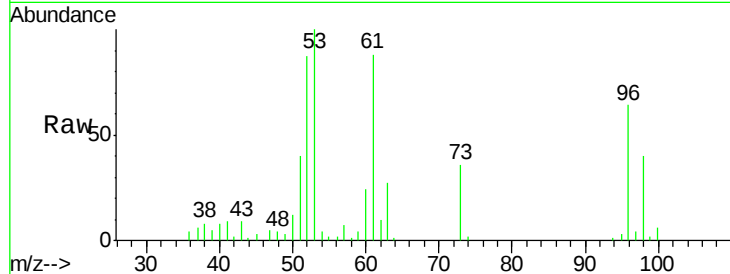
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	387081
Ion	Ratio	Lower	Upper
53	100		
52	86.6	69.4	104.2
51	39.9	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 359.769 ug/l

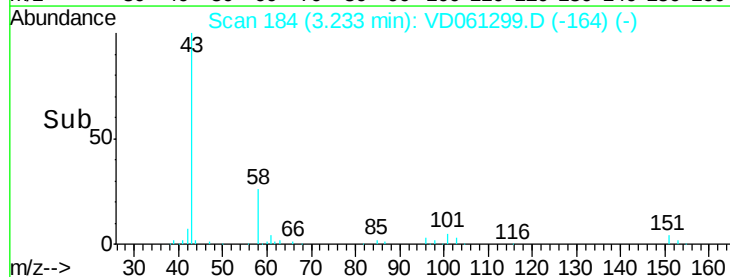
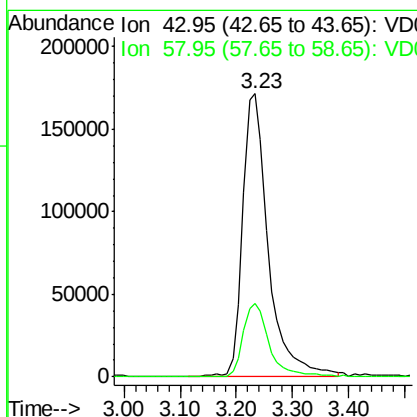
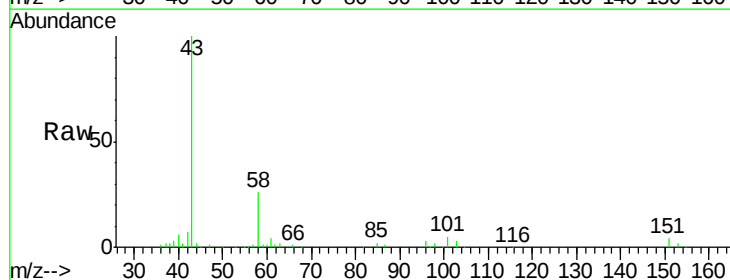
RT: 3.23 min Scan# 184

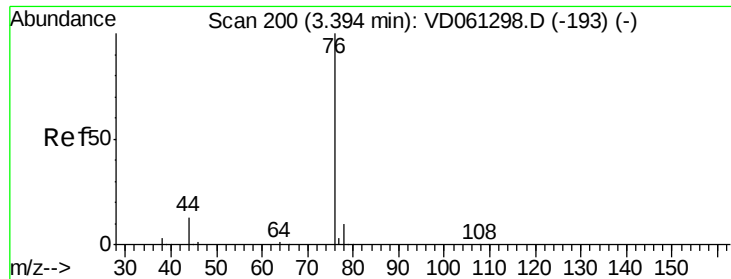
Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tgt Ion:	43	Resp:	545159
Ion	Ratio	Lower	Upper
43	100		
58	25.9	19.4	29.0





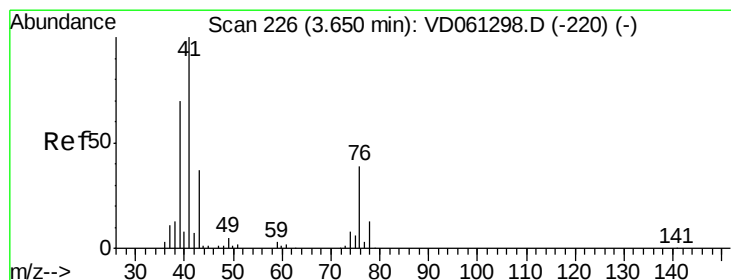
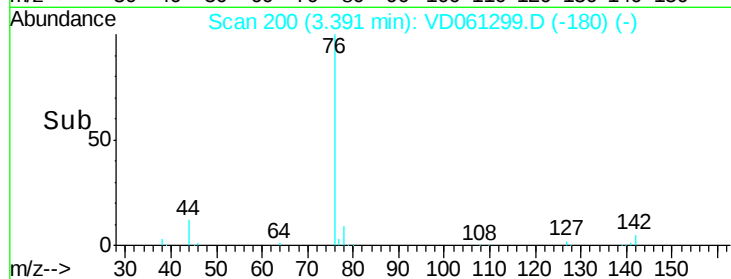
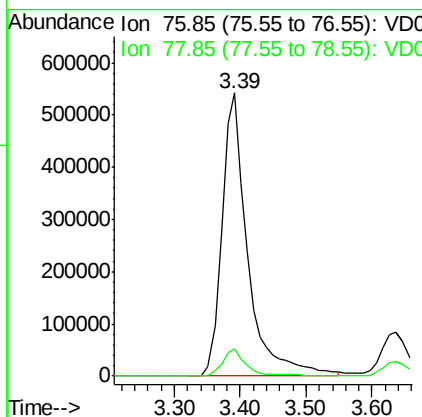
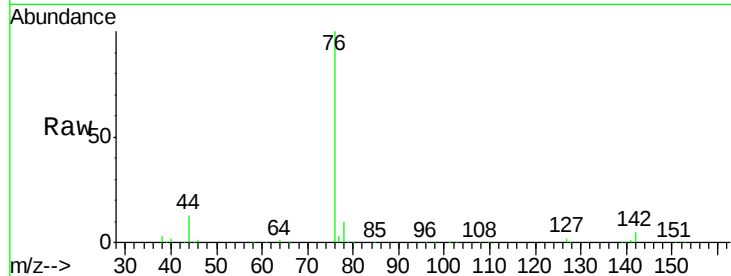
#17
Carbon Disulfide
Concen: 62.858 ug/l
RT: 3.39 min Scan# 200
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 76 Resp: 1480115
Ion Ratio Lower Upper
76 100
78 9.5 7.8 11.6

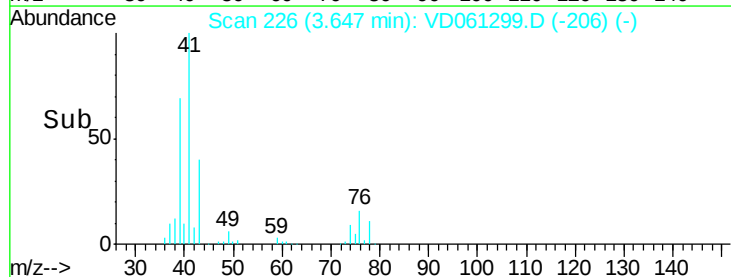
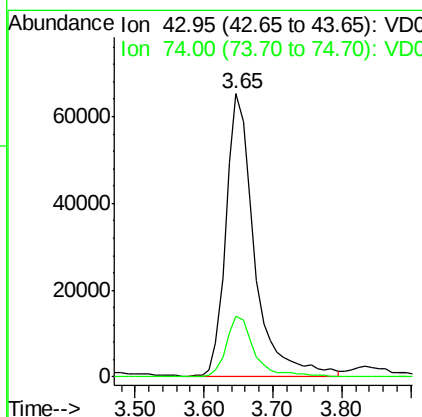
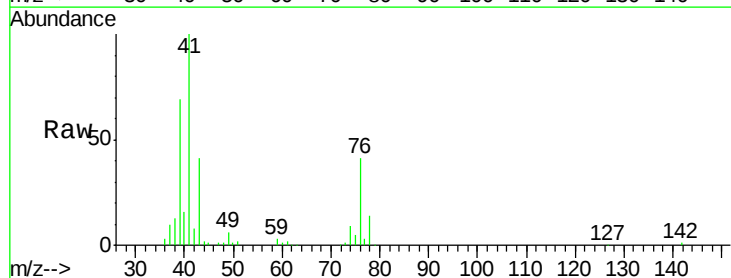
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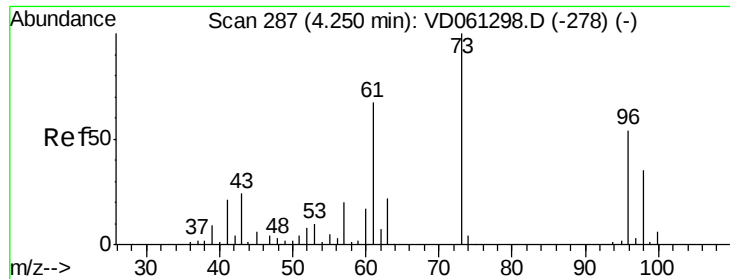
MMDadoda
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#18
Methyl Acetate
Concen: 65.879 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 43 Resp: 188519
Ion Ratio Lower Upper
43 100
74 21.3 16.6 25.0





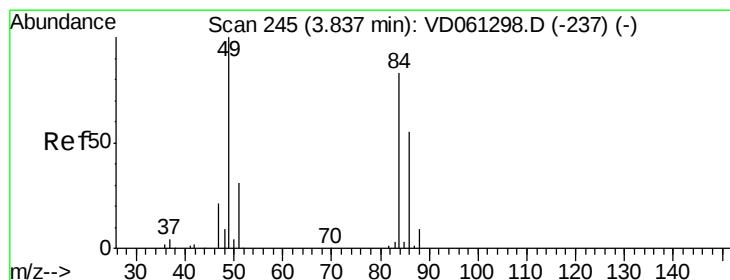
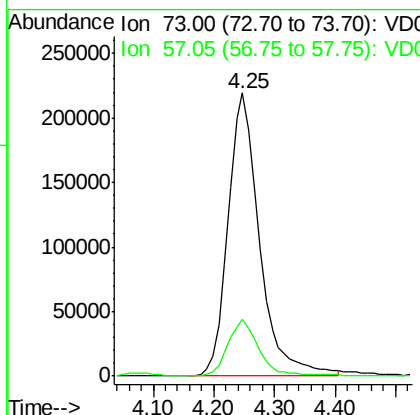
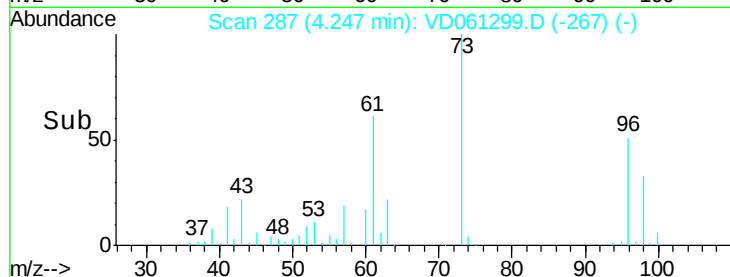
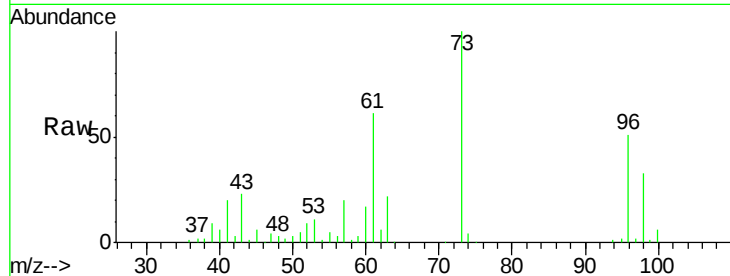
#19
Methvl tert-butvl Ether
Concen: 63.557 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 793385
Ion Ratio Lower Upper
73 100
57 19.9 16.3 24.5

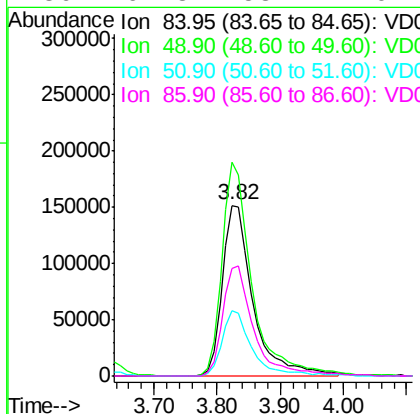
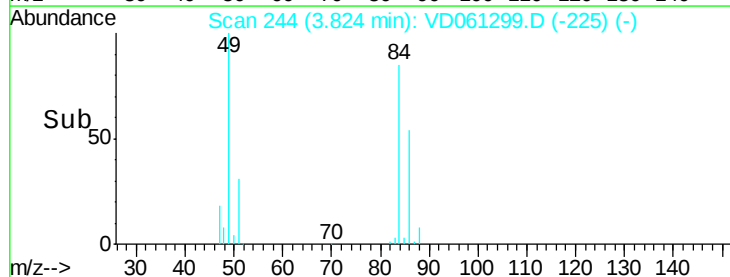
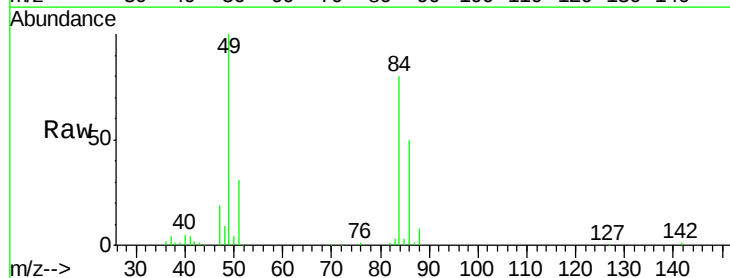
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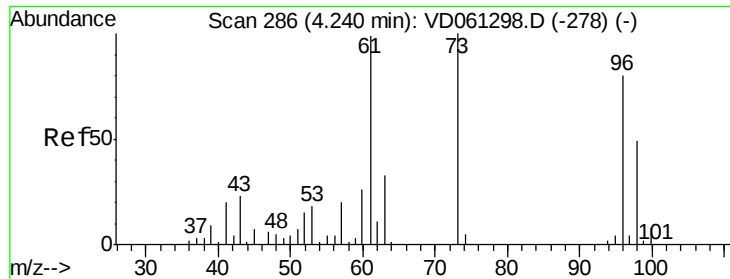
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#20
Methylene Chloride
Concen: 59.716 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 84 Resp: 513122
Ion Ratio Lower Upper
84 100
49 125.2 96.8 145.2
51 38.3 29.9 44.9
86 62.8 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 63.044 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

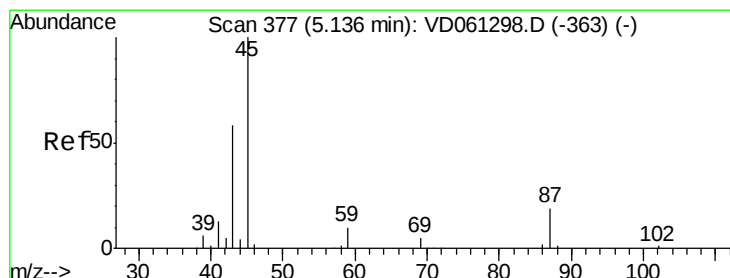
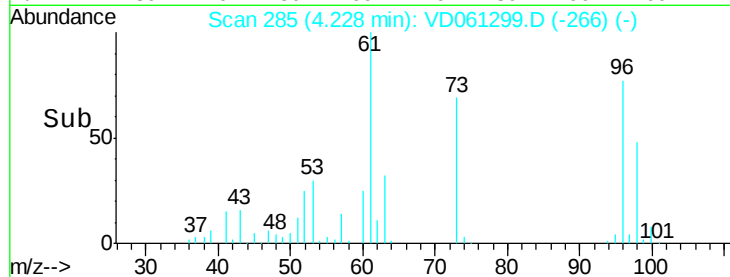
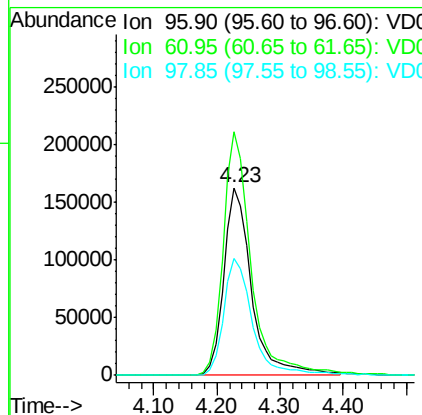
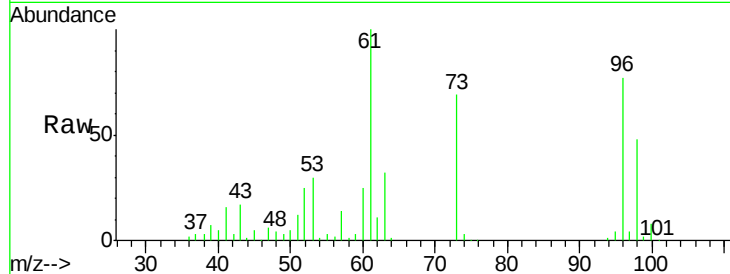
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	499880
Ion	Ratio	Lower	Upper
96	100		
61	130.0	99.2	148.8
98	62.6	49.2	73.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 63.582 ug/l

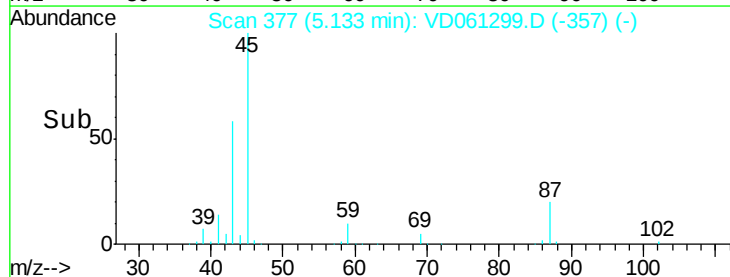
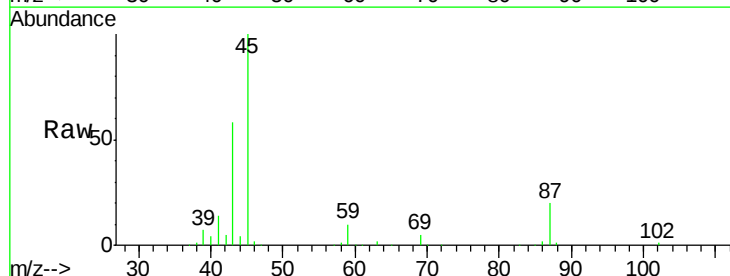
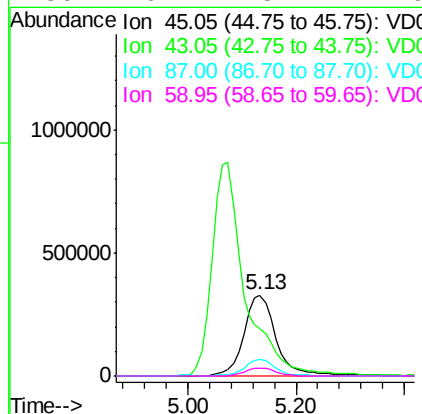
RT: 5.13 min Scan# 377

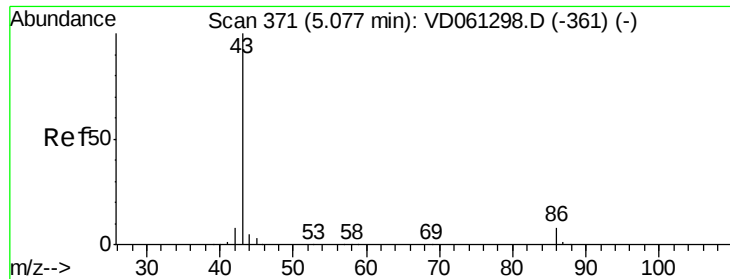
Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tgt Ion:	45	Resp:	1343653
Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.7	70.1
87	20.2	15.5	23.3
59	10.2	8.4	12.6





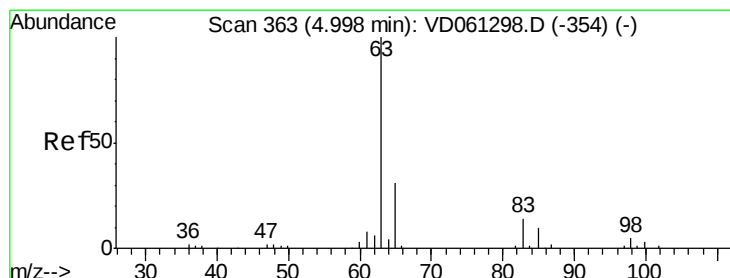
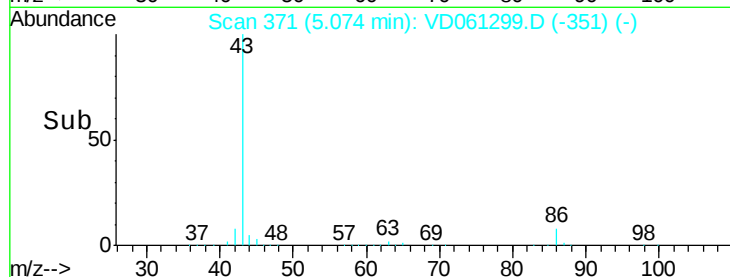
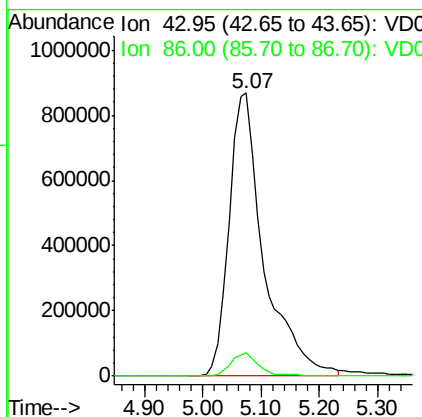
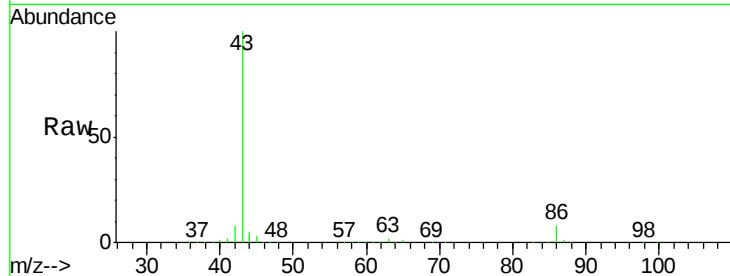
#23
 Vinyl Acetate
 Concen: 319.404 ug/l
 RT: 5.07 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 43 Resp: 3603336
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.3 9.5

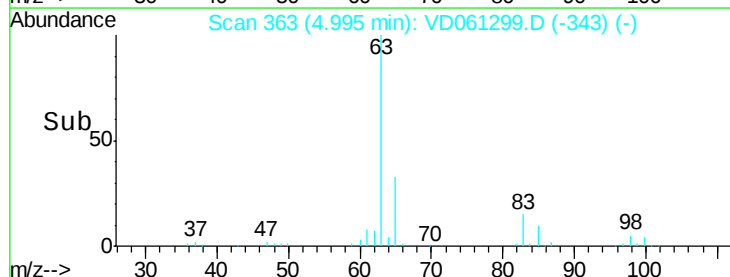
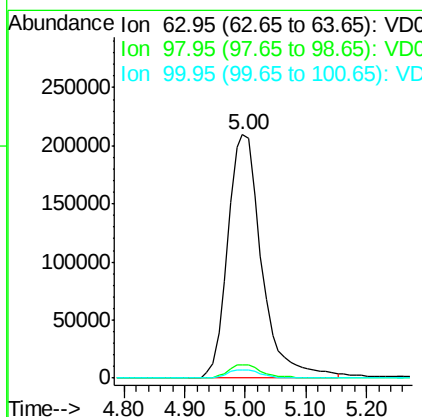
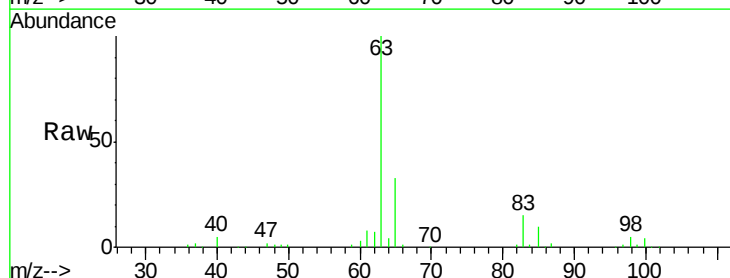
Manual Integrations
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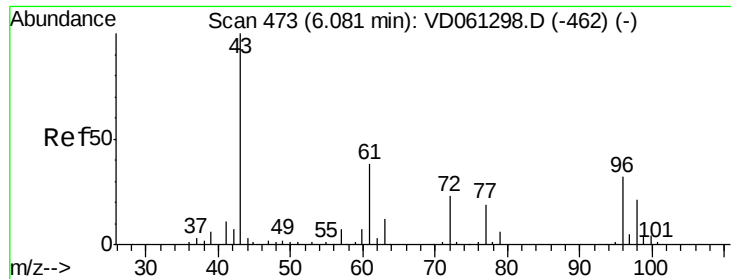
MMDadoda
 3/26/2019 12:28:28 PM



#24
 1,1-Dichloroethane
 Concen: 66.061 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion: 63 Resp: 814730
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.8 8.3
 100 3.5 1.6 4.8





#25

2-Butanone

Concen: 353.251 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tot Ion: 43 Resp: 618533

Ion Ratio Lower Upper

43 100

72 22.4 18.5 27.7

Instrument :

MSVOA_D

ClientSampleId :

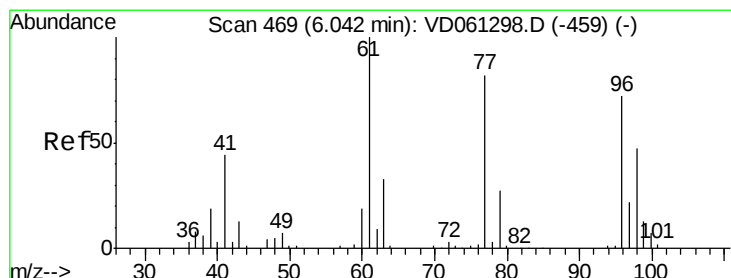
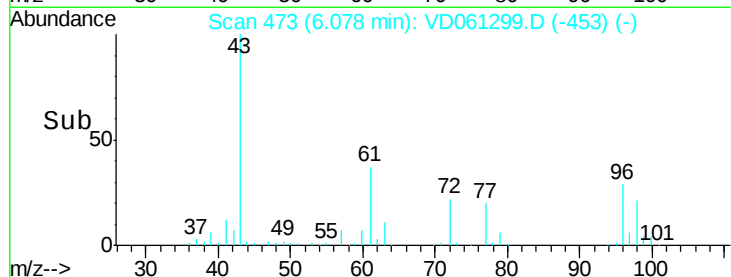
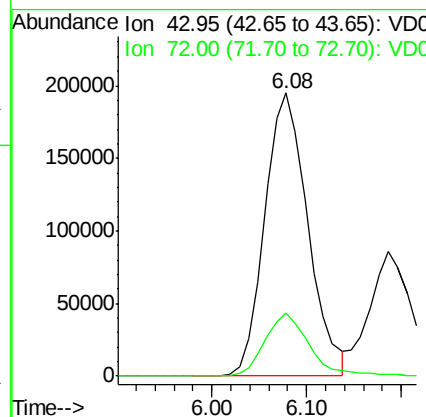
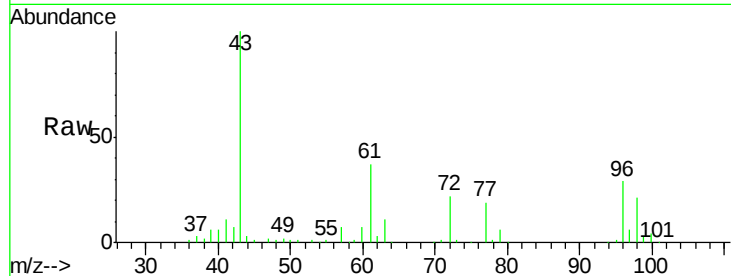
VSTDIC075

Manual Integrations

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3/26/2019 12:28:28 PM



#26

2,2-Dichloropropane

Concen: 63.509 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD061299.D

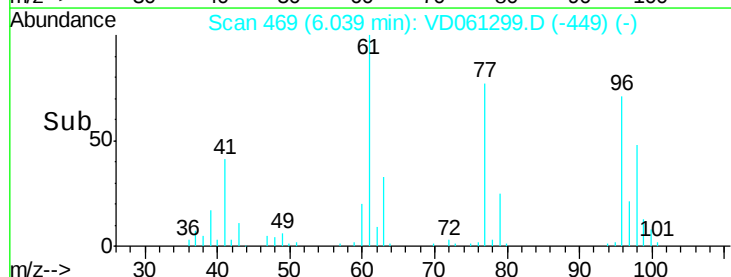
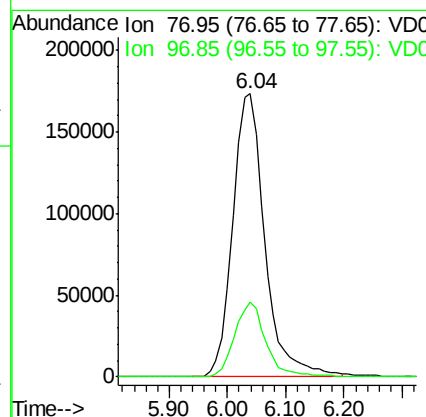
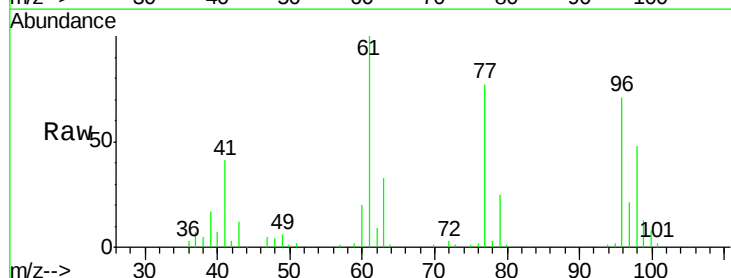
Acq: 25 Mar 2019 12:42

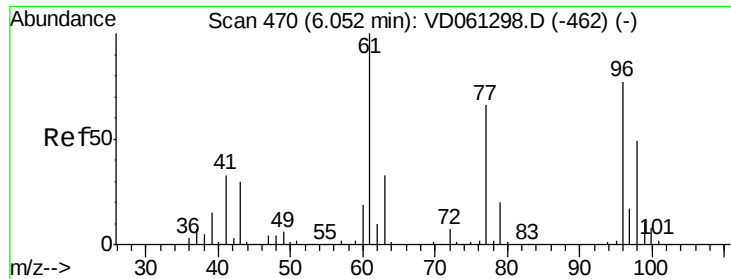
Tgt Ion: 77 Resp: 664302

Ion Ratio Lower Upper

77 100

97 26.5 13.5 40.5





#27

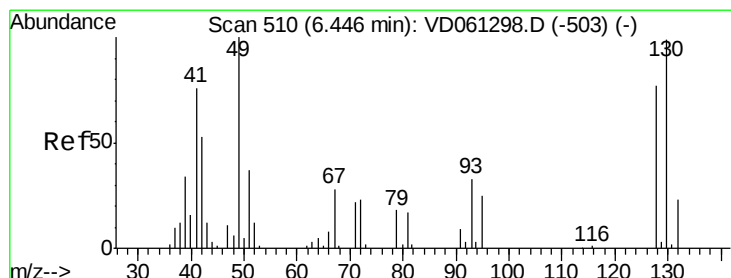
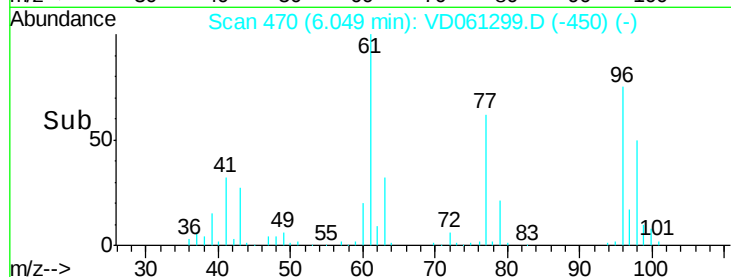
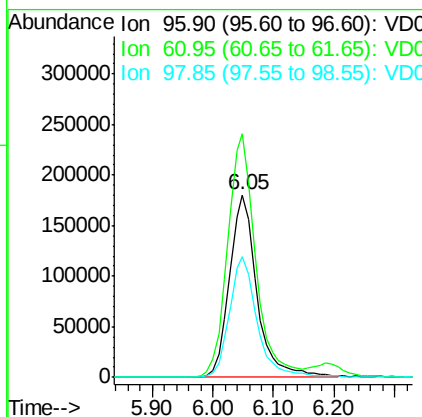
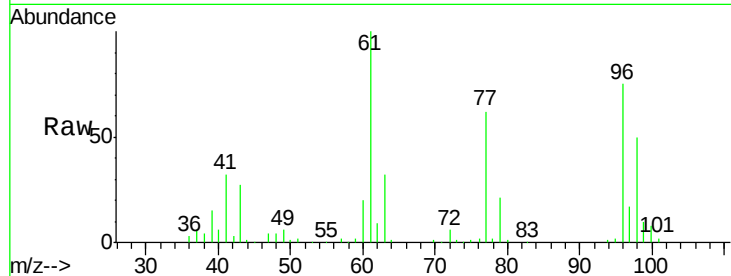
cis-1,2-Dichloroethene
Concen: 66.550 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	567434		
61	133.3	0.0	261.0	
98	66.3	0.0	127.6	

Manual Integrations
APPROVED

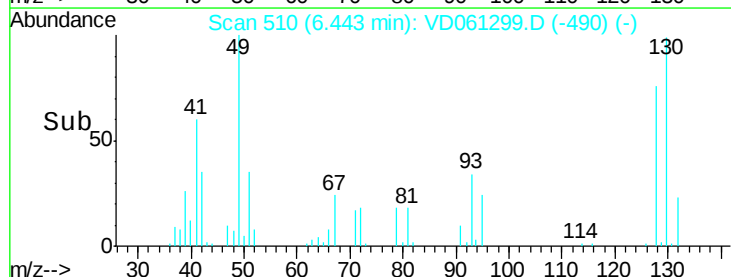
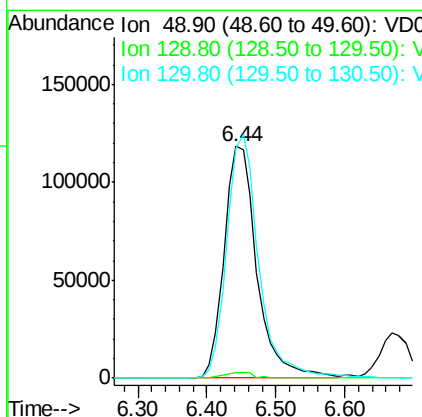
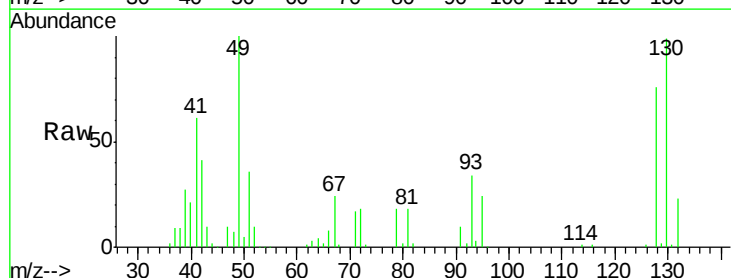
MMDadoda
3/26/2019 12:28:28 PM

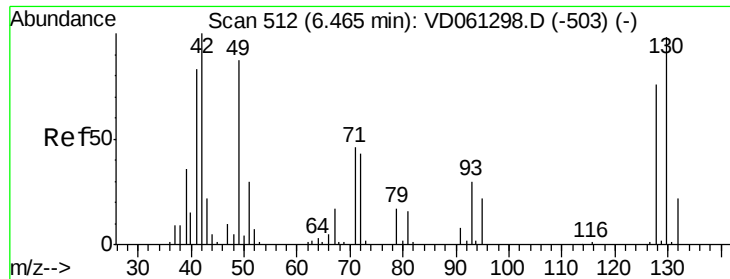


#28

Bromochloromethane
Concen: 75.568 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	390129		
129	2.3	0.0	5.2	
130	99.1	79.0	118.6	





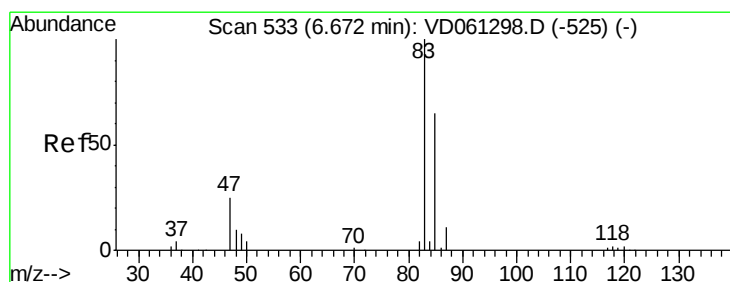
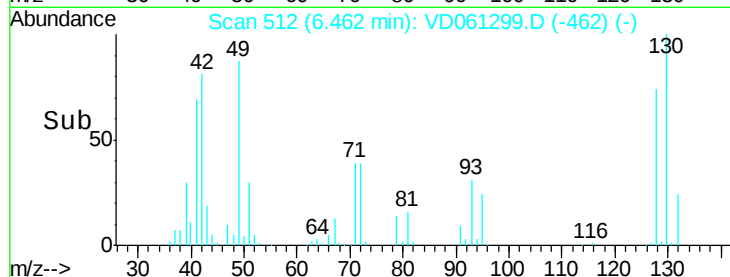
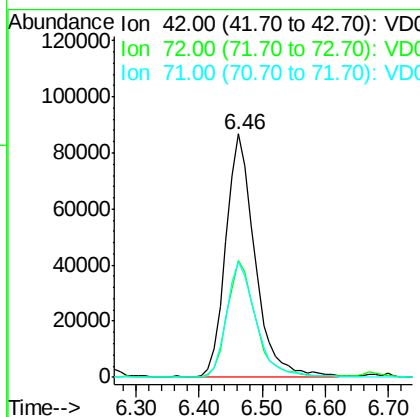
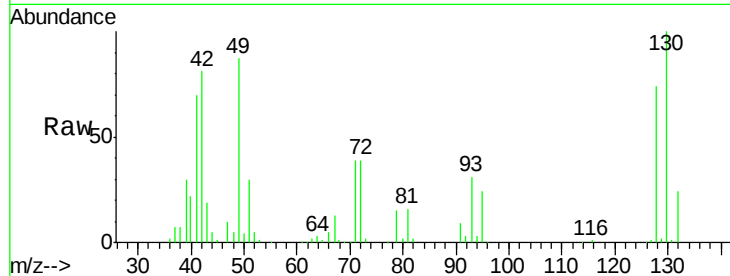
#29
Tetrahydrofuran
Concen: 319.916 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
42	100	278822		
72	47.1		36.6	54.8
71	47.8		36.3	54.5

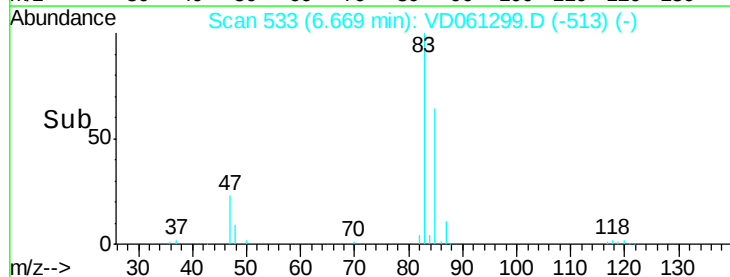
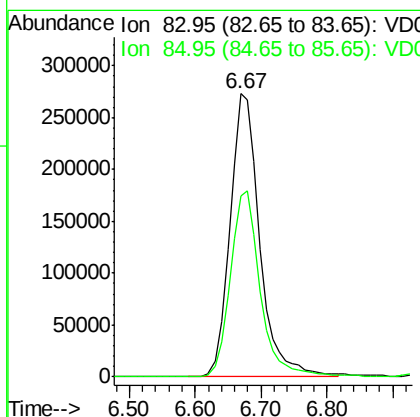
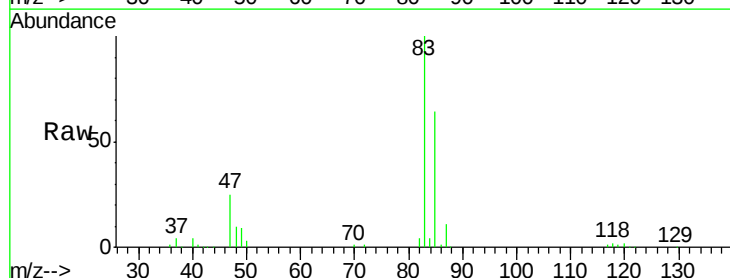
Manual Integrations
APPROVED

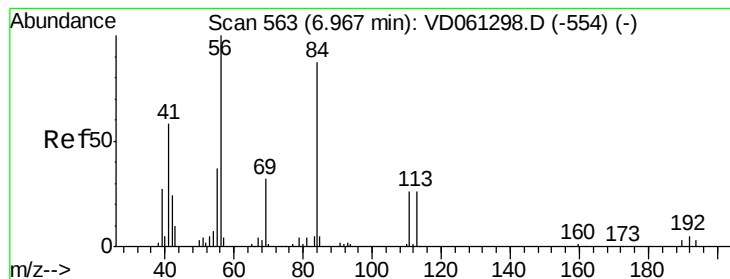
MMDadoda
3/26/2019 12:28:28 PM



#30
Chloroform
Concen: 65.768 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	864815		
85	64.0		52.2	78.2





#31

Cyclohexane

Concen: 69.716 ug/l

RT: 6.96 min Scan# 563

Delta R.T. -0.00 min

Lab File: VD061299.D

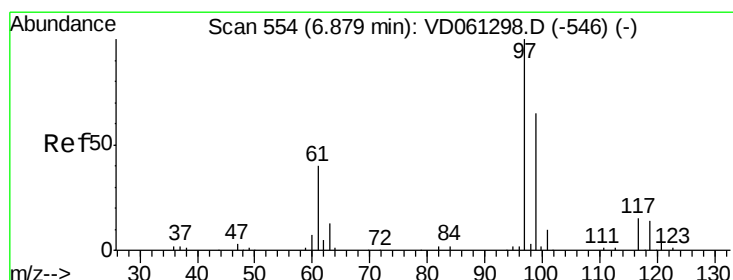
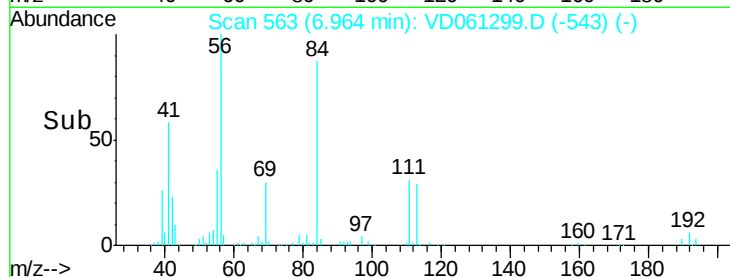
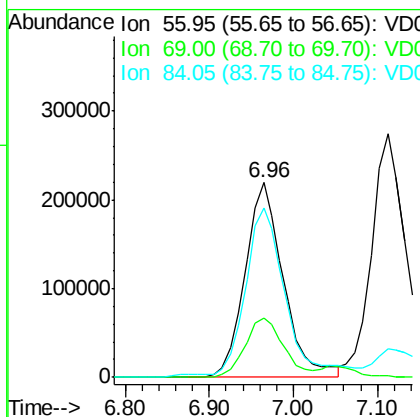
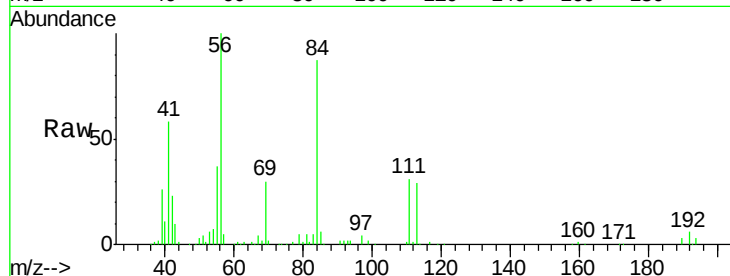
Acq: 25 Mar 2019 12:42

Tot Ion	56	Resp	697880
Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.5	38.3
84	87.0	71.4	107.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 65.583 ug/l

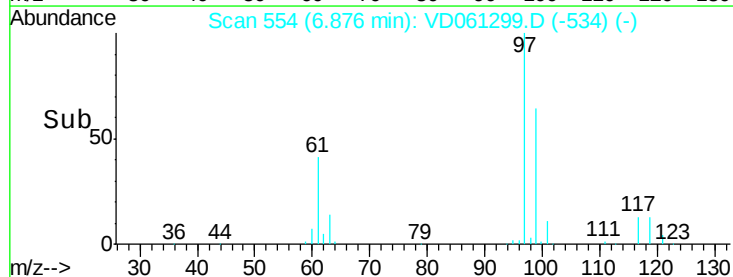
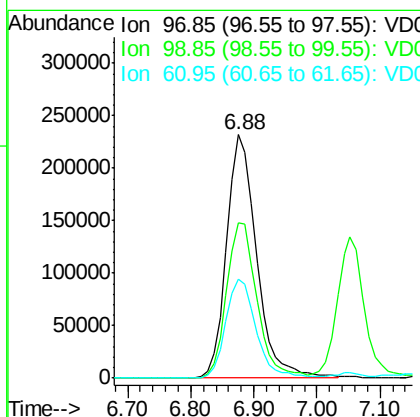
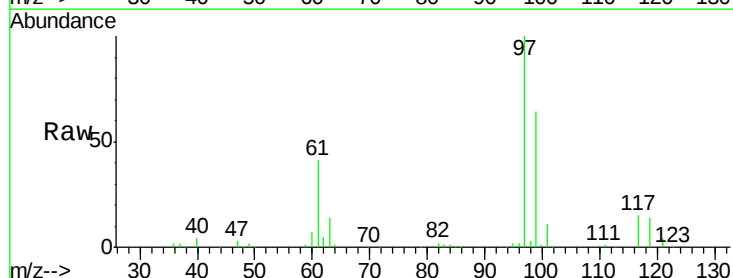
RT: 6.88 min Scan# 554

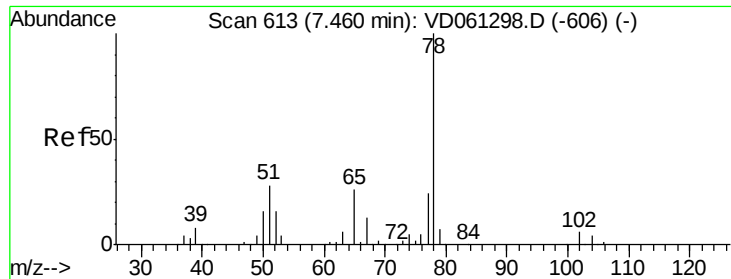
Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tgt Ion	97	Resp	763622
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	40.7	31.9	47.9





#33

1,2-Dichloroethane-d4

Concen: 65.583 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 65 Resp: 455231

Ion Ratio Lower Upper

65 100

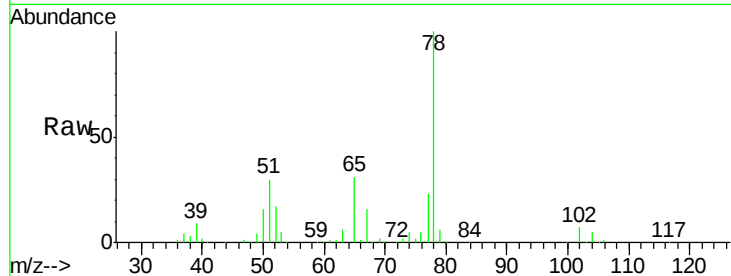
67 51.7 0.0 100.8

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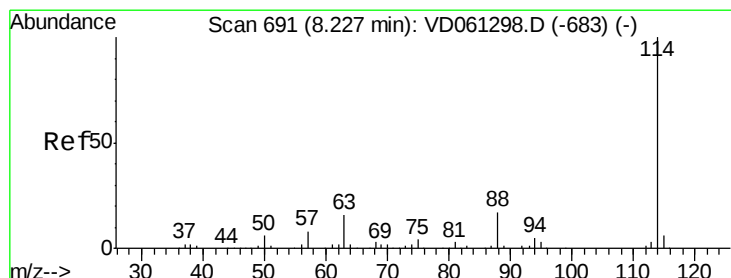
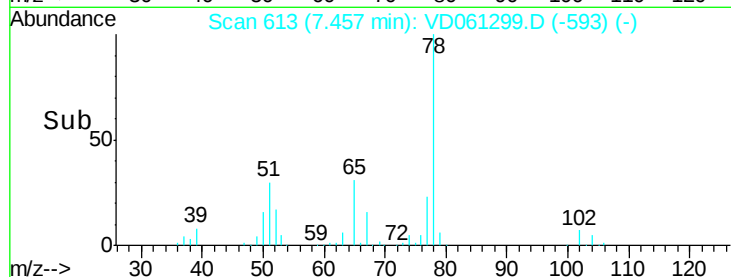
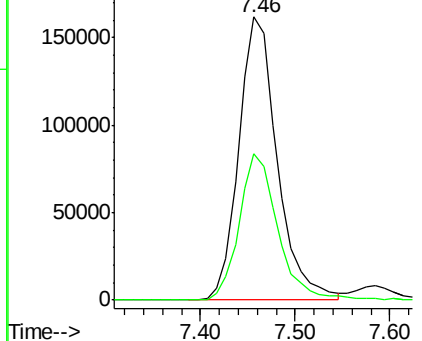
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

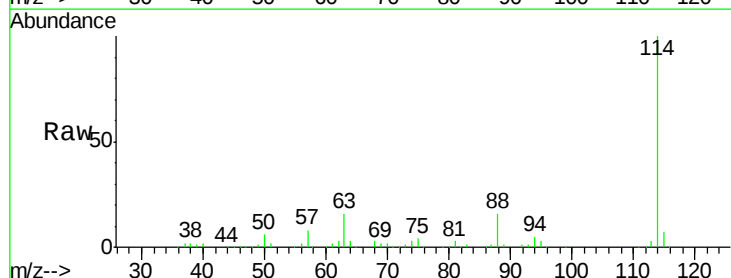
Tgt Ion: 114 Resp: 1280641

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.4

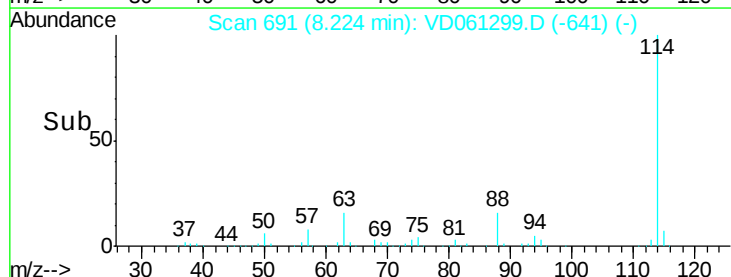
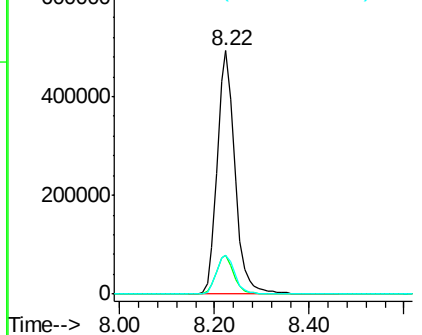
88 16.0 0.0 33.2

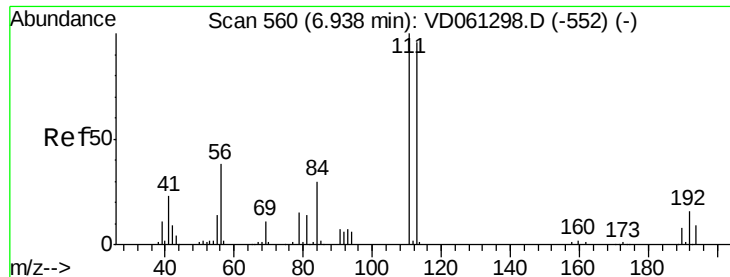


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:113 Resp: 711964

Ion Ratio Lower Upper

113 100

111 101.2 83.7 125.5

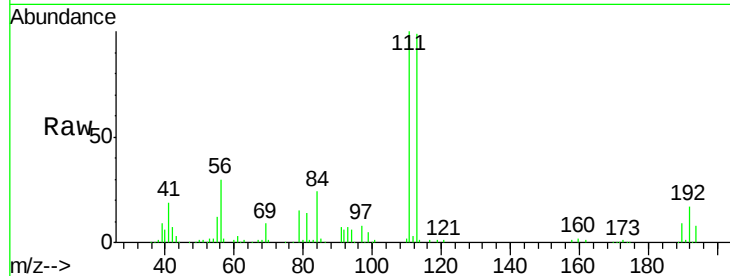
192 17.2 13.4 20.0

Manual Integrations

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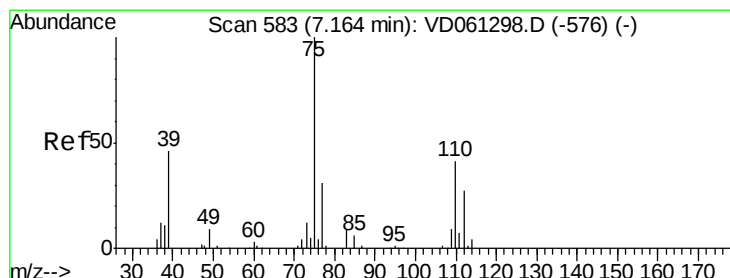
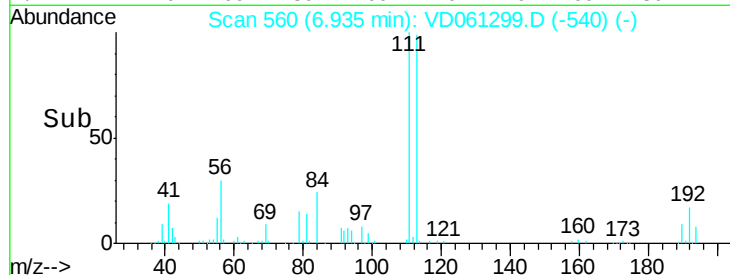
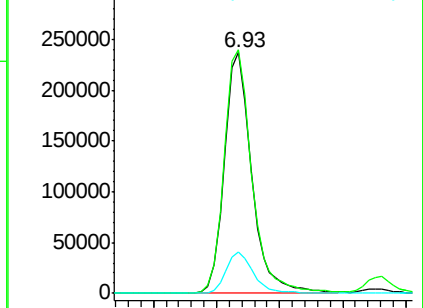
3/26/2019 12:28:28 PM



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 62.580 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

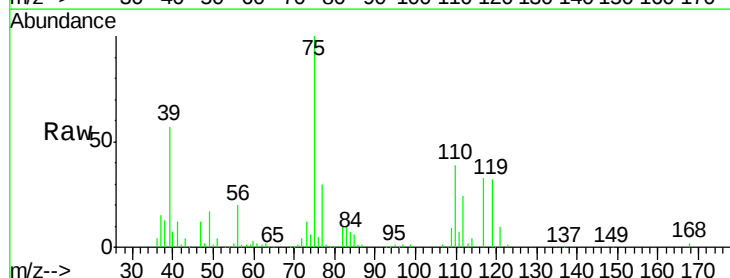
Tgt Ion: 75 Resp: 655457

Ion Ratio Lower Upper

75 100

110 38.8 20.1 60.2

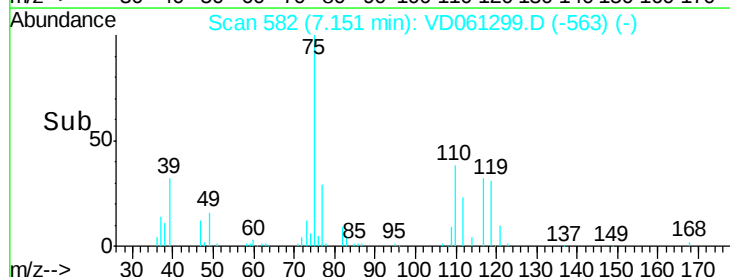
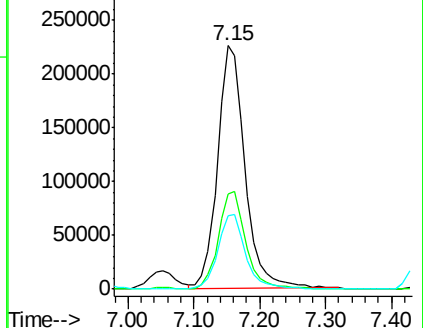
77 30.2 24.3 36.5

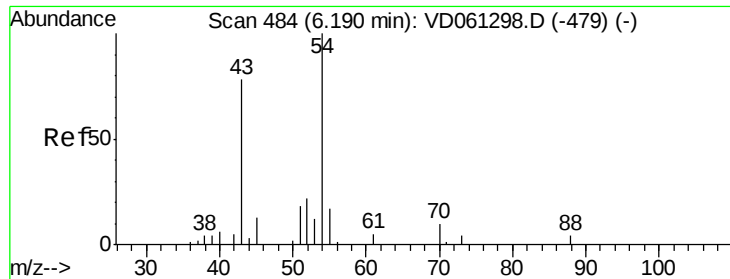


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





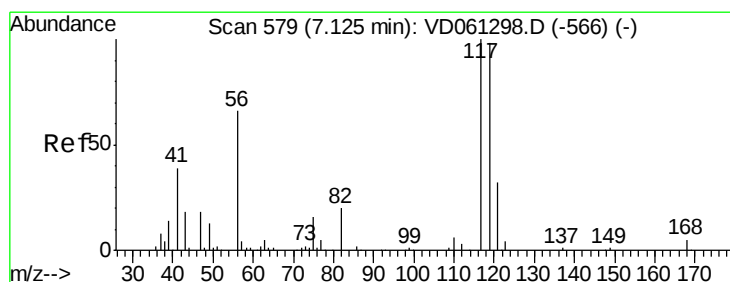
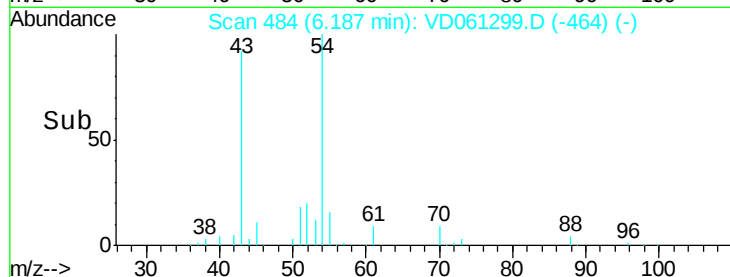
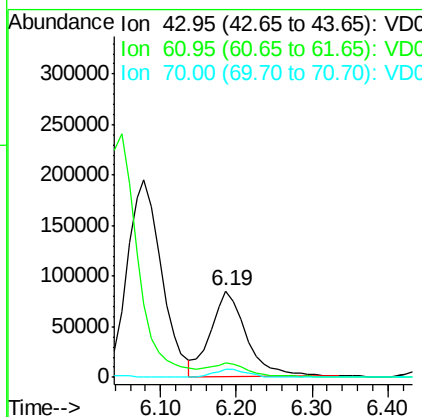
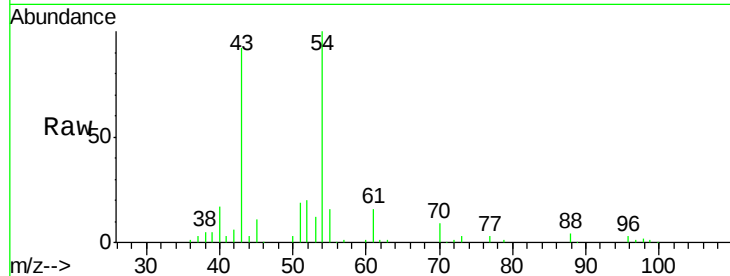
#37
Ethyl Acetate
Concen: 63.686 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	12.6	19.0
70	9.2	8.2	12.4

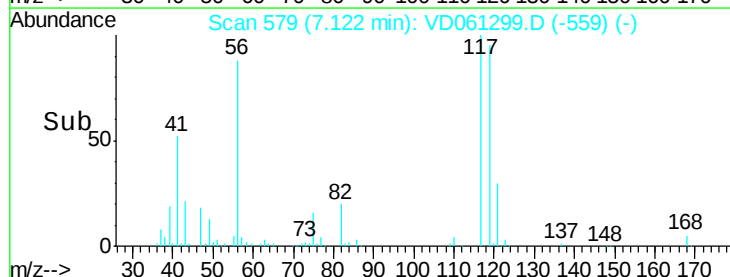
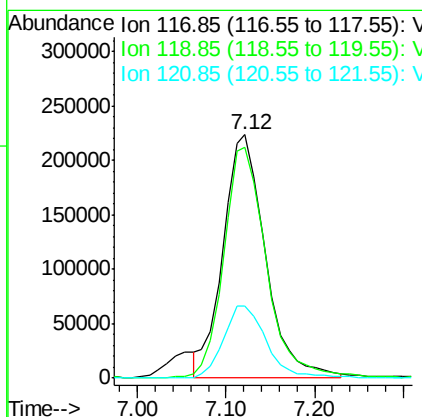
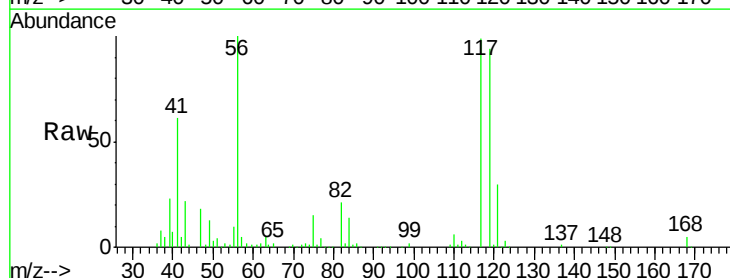
Manual Integrations
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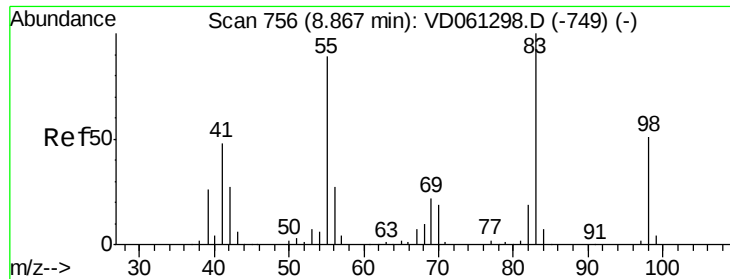
MMDadoda
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#38
Carbon Tetrachloride
Concen: 60.439 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.4	117.6
121	29.8	25.1	37.7





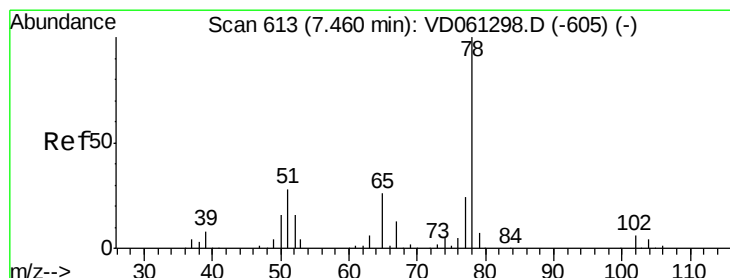
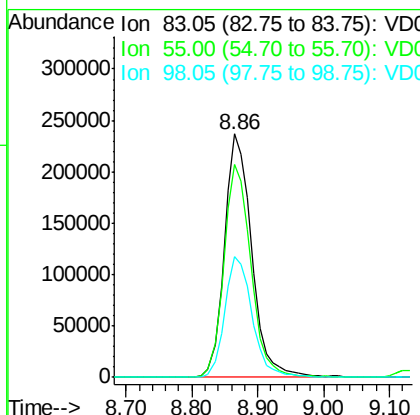
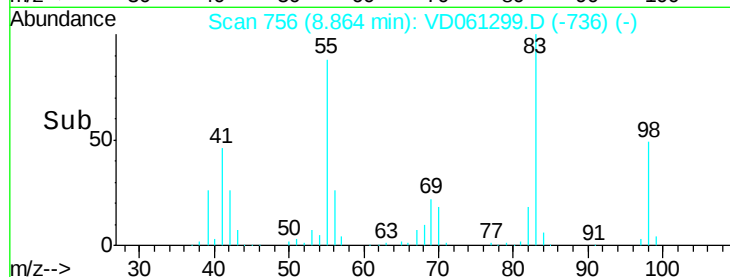
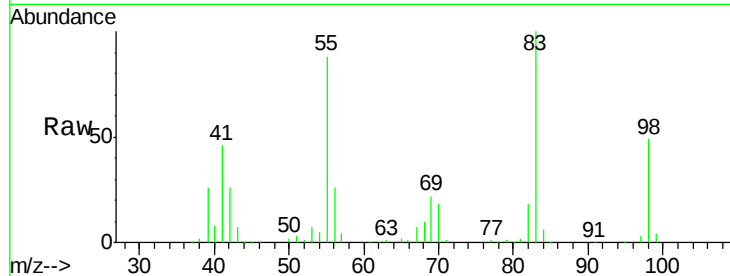
#39
Methvlcvclohexane
Concen: 63.263 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	83	Resp	686835
Ion Ratio	Lower	Upper	
83	100		
55	87.7	71.3	106.9
98	49.4	40.4	60.6

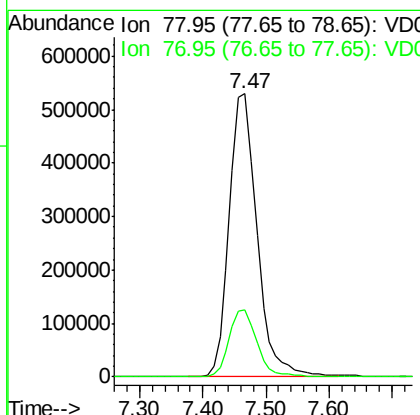
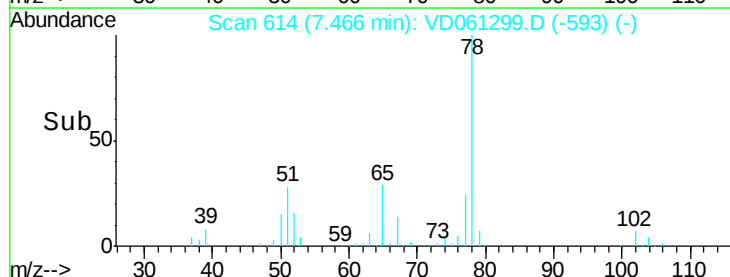
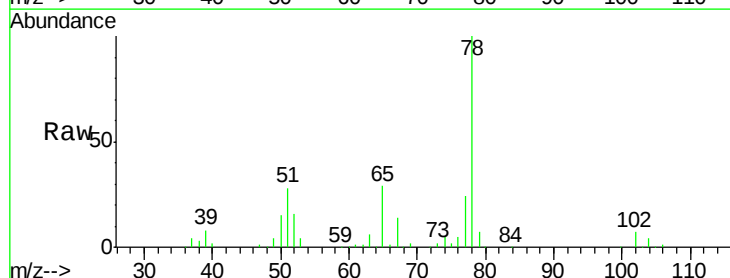
Manual Integrations
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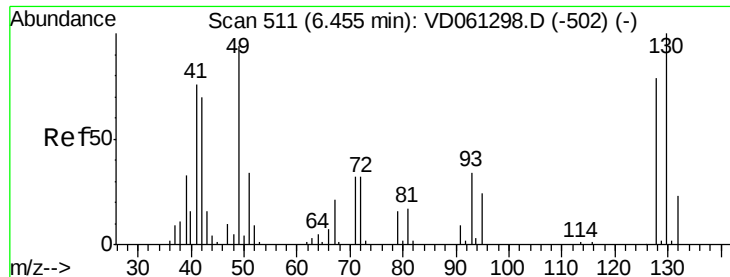
MMDadoda
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#40
Benzene
Concen: 62.344 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion	78	Resp	1623346
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.8	28.2





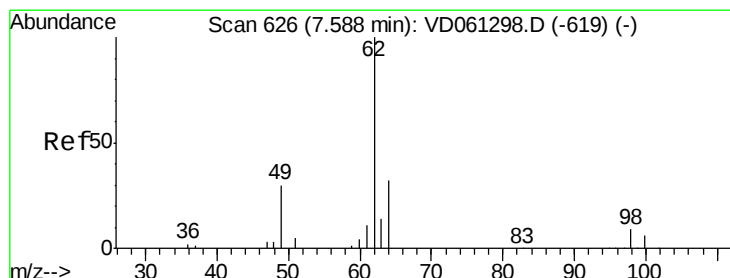
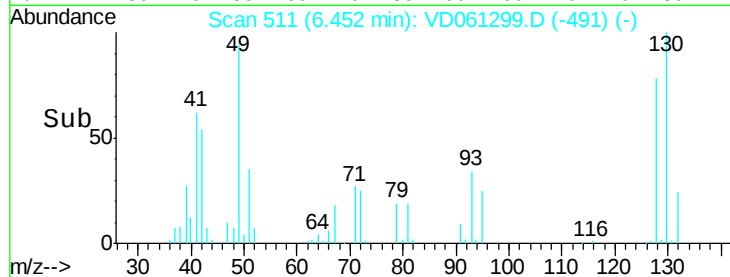
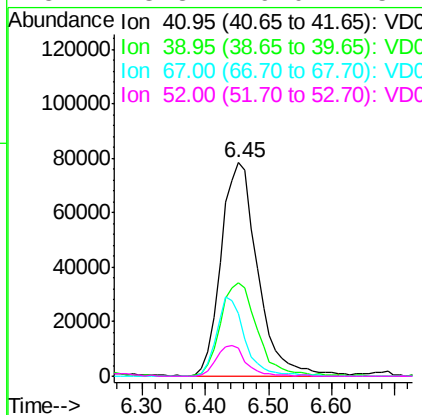
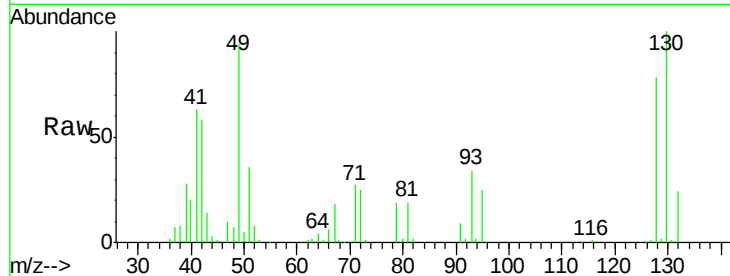
#41
Methacrylonitrile
Concen: 62.379 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
317302	41	100		
	39	44.0	34.2	51.2
	67	29.1	21.8	32.6
	52	13.3	9.0	13.4

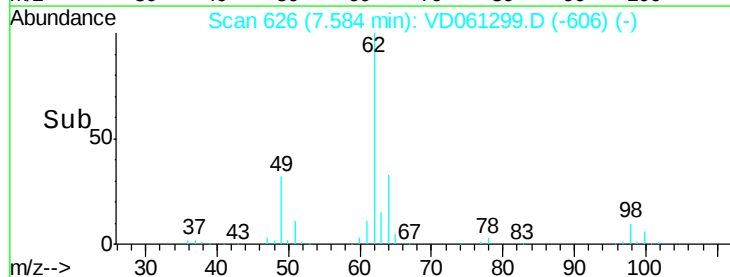
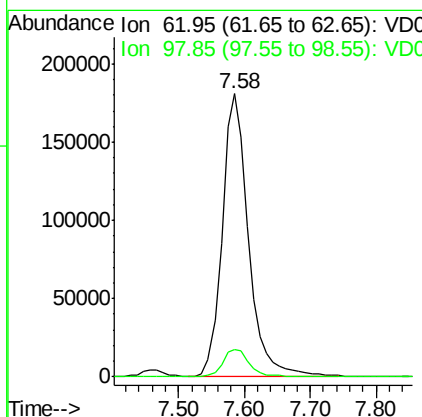
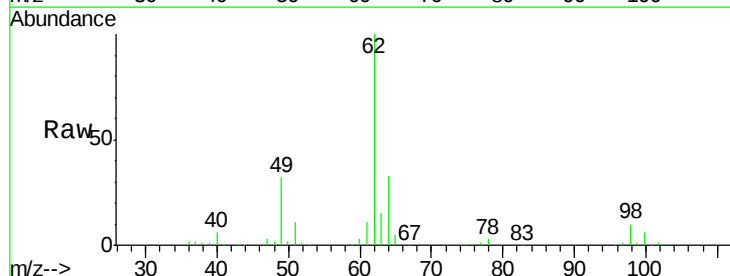
Manual Integrations
APPROVED

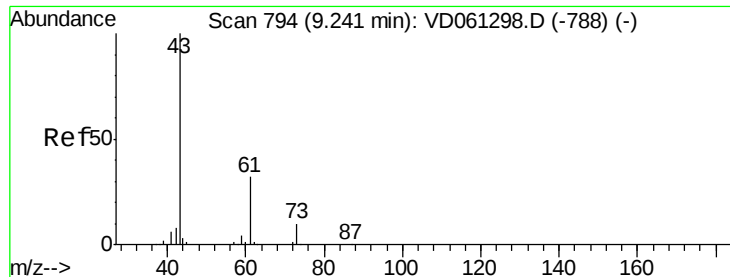
MMDadoda
3/26/2019 12:28:28 PM



#42
1,2-Dichloroethane
Concen: 61.621 ug/l
RT: 7.58 min Scan# 626
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
499985	62	100		
	98	9.5	0.0	18.6





#43

Isopropyl Acetate

Concen: 66.186 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

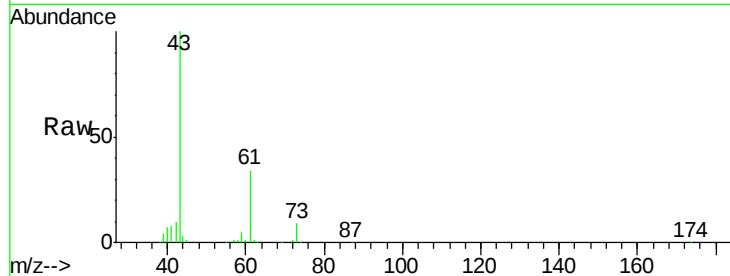
ClientSampleId :

VSTDIC075

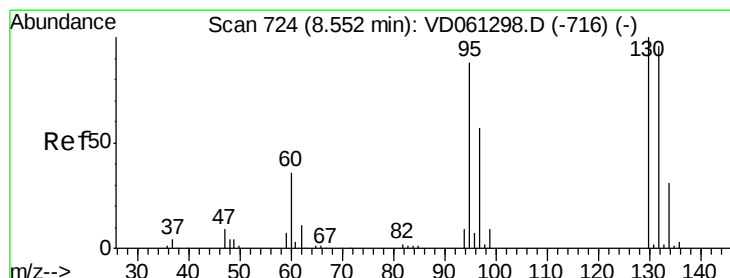
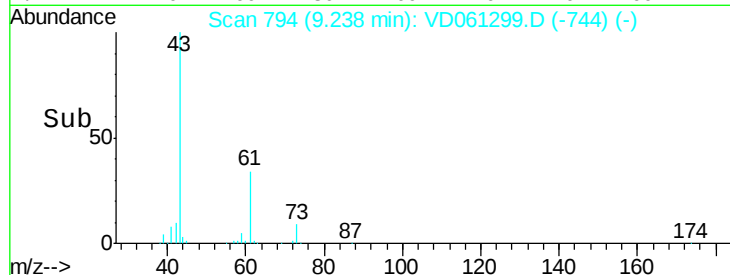
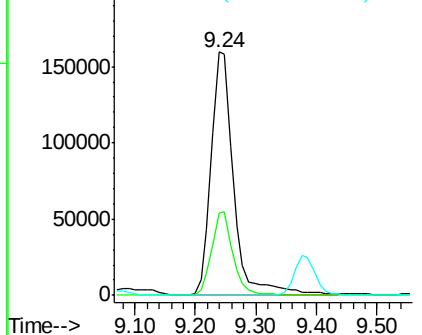
Tot Ion:	43	Resp:	417647
Ion	Ratio	Lower	Upper
43	100		
61	34.0	25.8	38.8
87	0.2	0.3	0.5

Manual Integrations
APPROVED

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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 62.036 ug/l

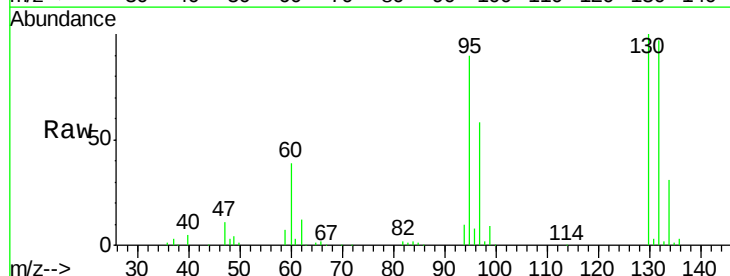
RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

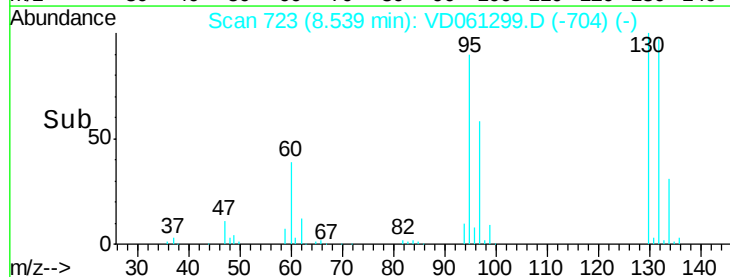
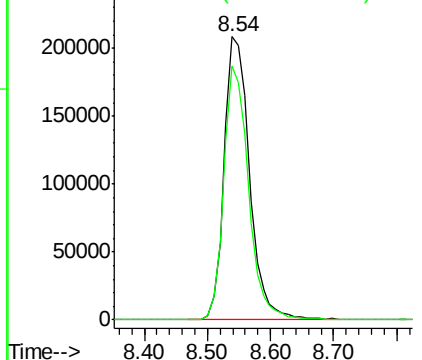
Lab File: VD061299.D

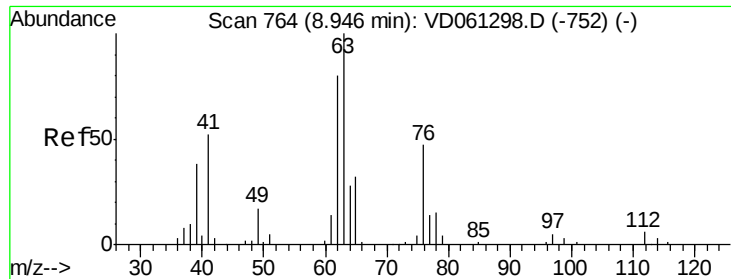
Acq: 25 Mar 2019 12:42

Tgt Ion:	130	Resp:	583822
Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	175.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 65.474 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 420507

Ion Ratio Lower Upper

63 100

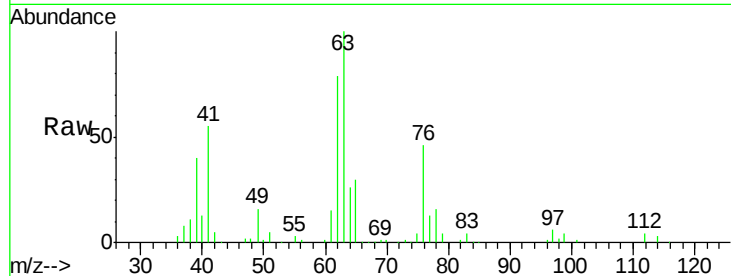
65 29.7 25.2 37.8

Manual Integrations

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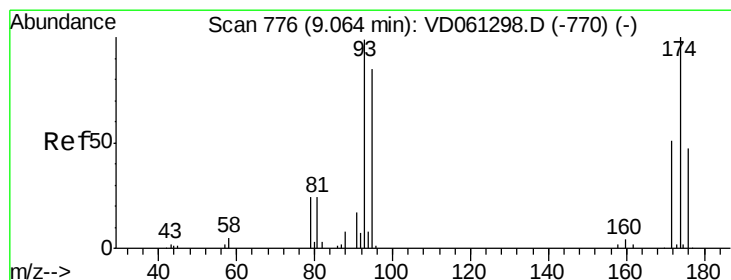
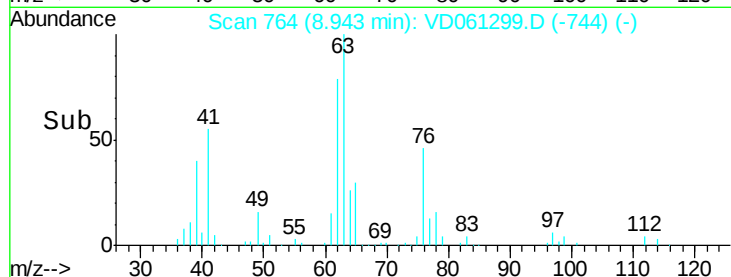
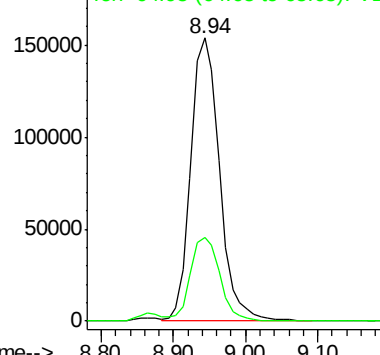
MMDadoda

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 63.864 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

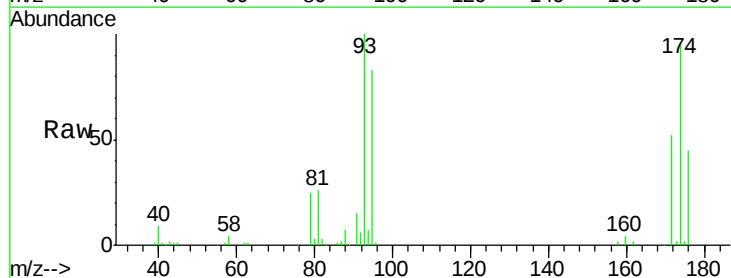
Tgt Ion: 93 Resp: 281223

Ion Ratio Lower Upper

93 100

95 82.8 68.1 102.1

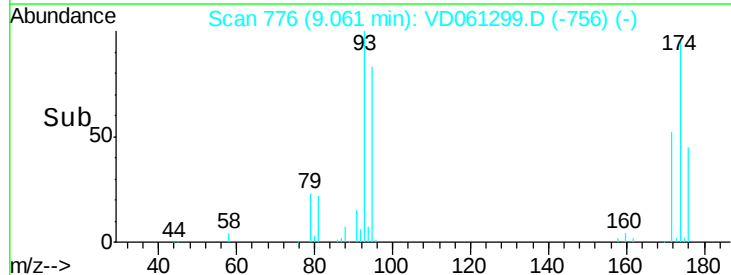
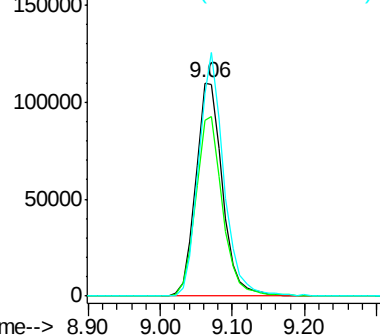
174 95.0 80.4 120.6

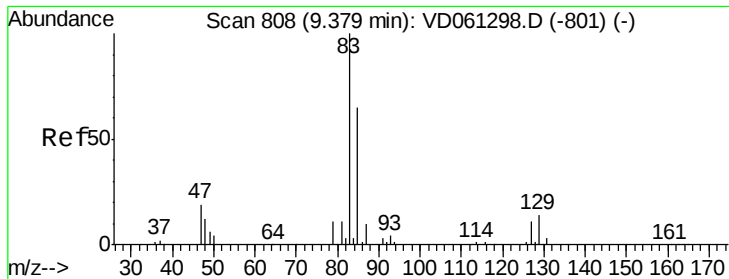


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 61.434 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

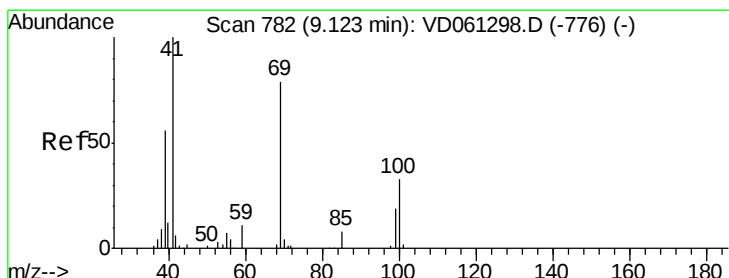
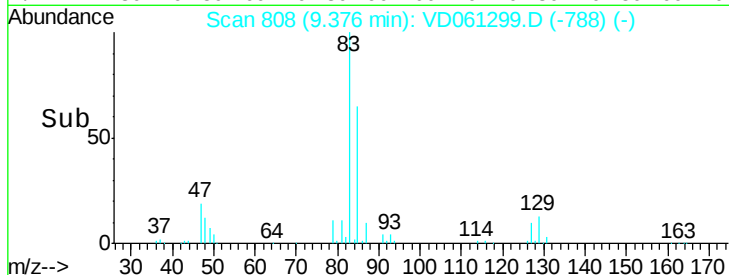
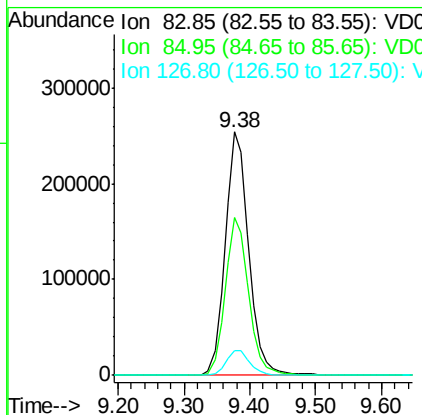
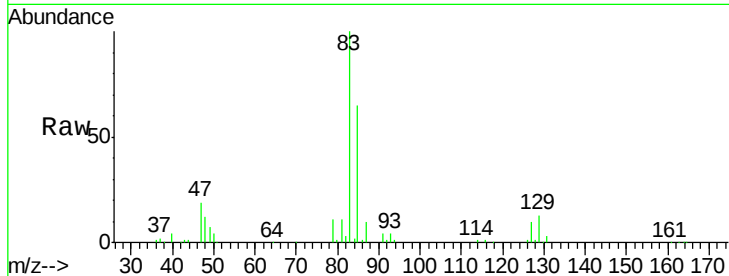
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	633960
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.7	77.5
127	10.3	8.8	13.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 66.376 ug/l

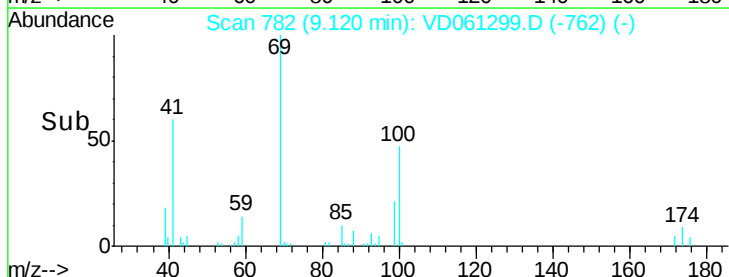
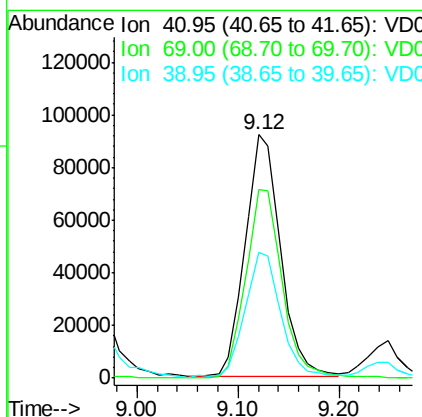
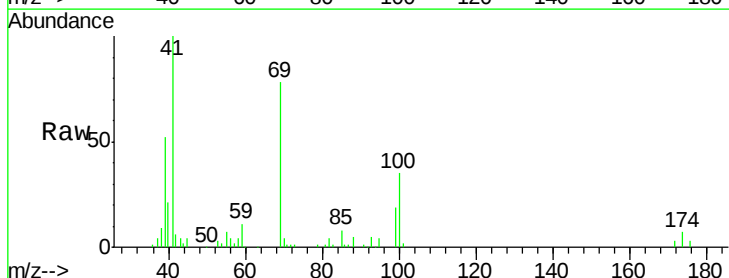
RT: 9.12 min Scan# 782

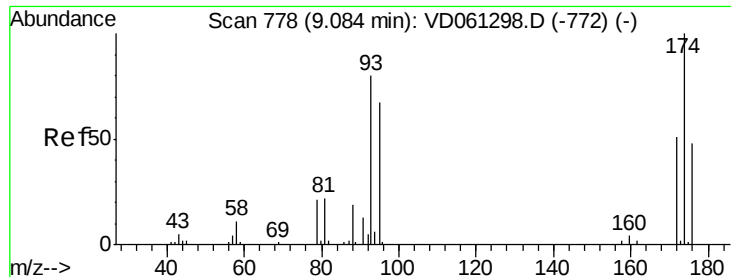
Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tgt Ion:	41	Resp:	223551
Ion	Ratio	Lower	Upper
41	100		
69	77.7	62.4	93.6
39	51.6	44.9	67.3





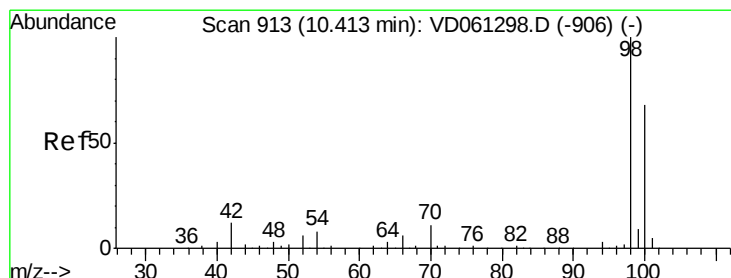
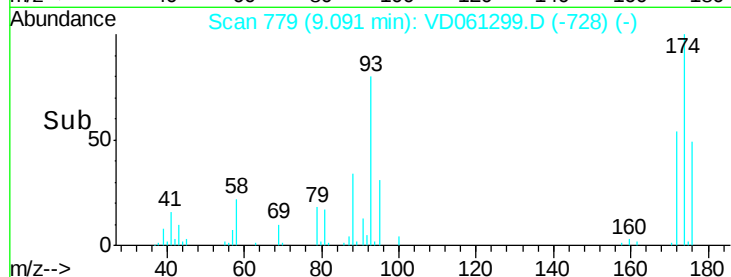
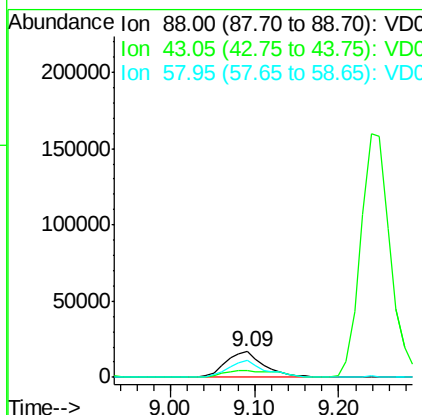
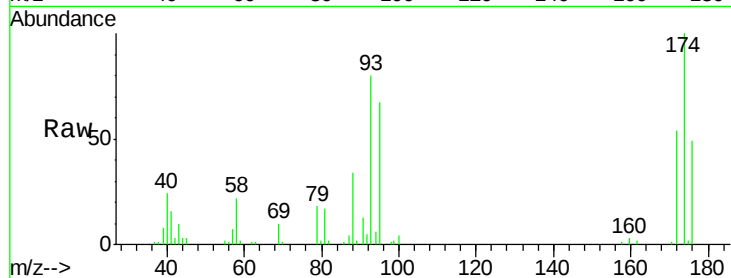
#49
1,4-Dioxane
Concen: 1423.688 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	20.7	31.1
58	64.0	44.9	67.3

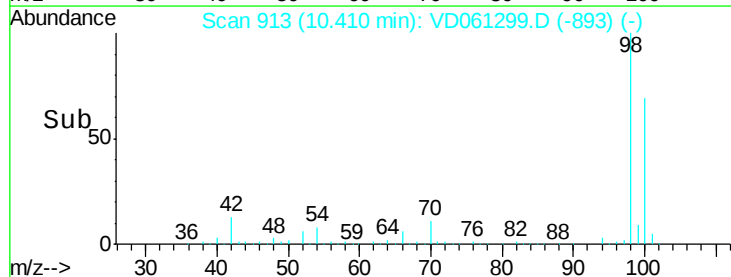
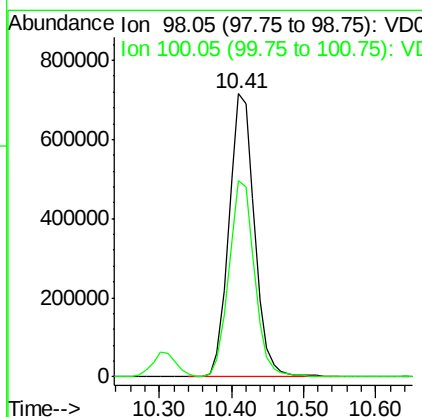
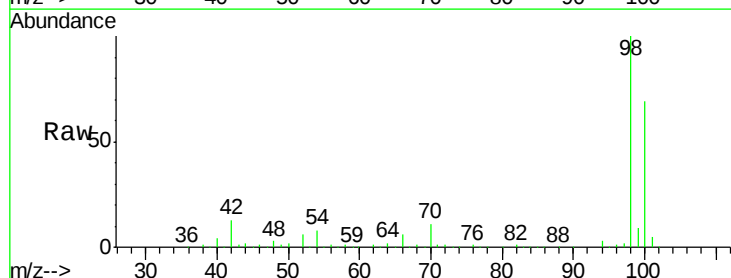
Manual Integrations
APPROVED

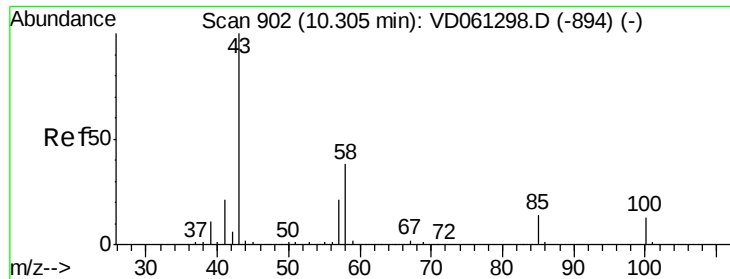
MMDadoda
3/26/2019 12:28:28 PM



#50
Toluene-d8
Concen: 1423.688 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.4	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 303.918 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tot Ion: 43 Resp: 1141638

Ion Ratio Lower Upper

43 100

58 38.8 30.6 45.8

Instrument :

MSVOA_D

ClientSampled :

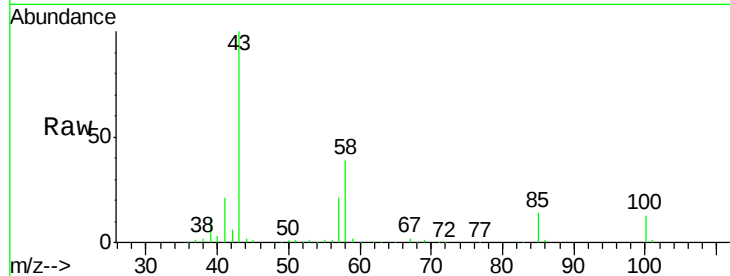
VSTDIC075

Manual Integrations

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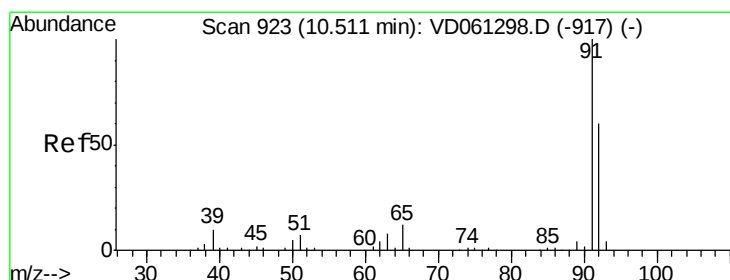
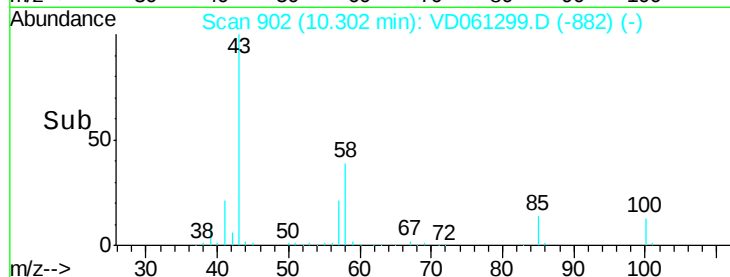
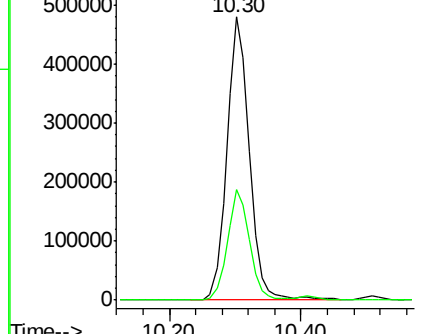
MMDadoda

3/26/2019 12:28:28 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 63.580 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061299.D

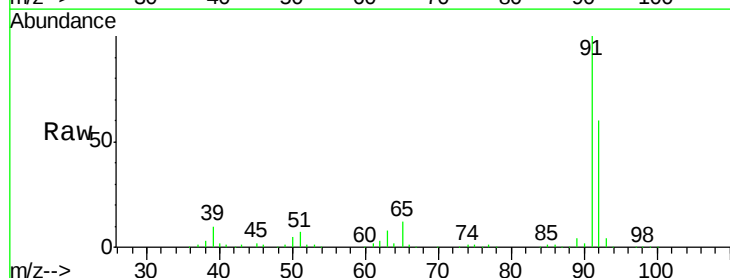
Acq: 25 Mar 2019 12:42

Tgt Ion: 92 Resp: 1012331

Ion Ratio Lower Upper

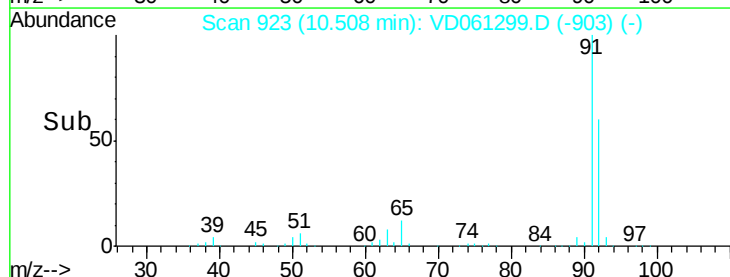
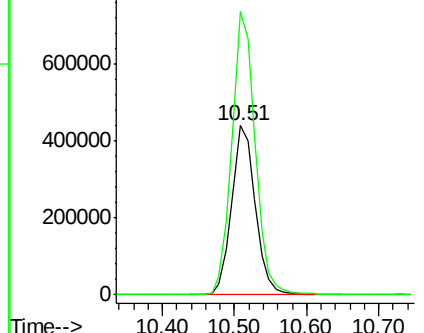
92 100

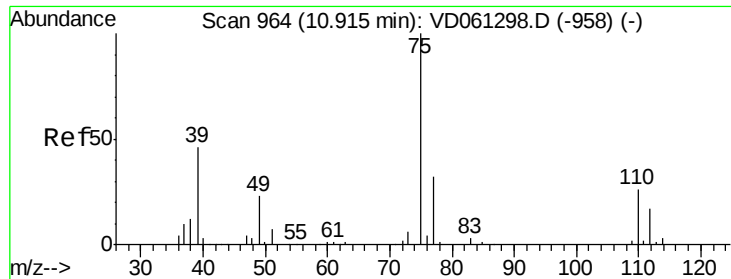
91 167.6 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





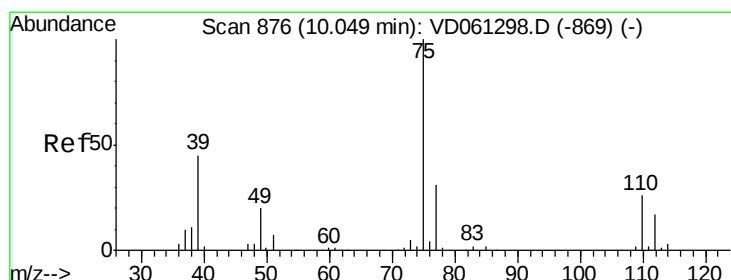
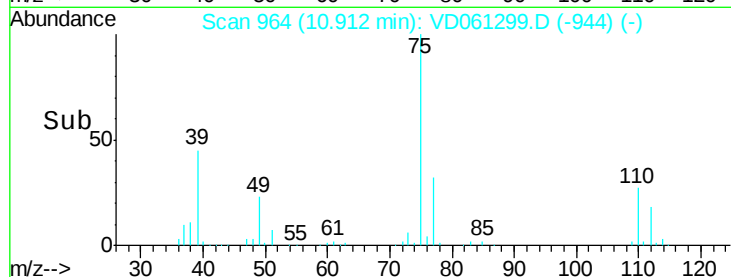
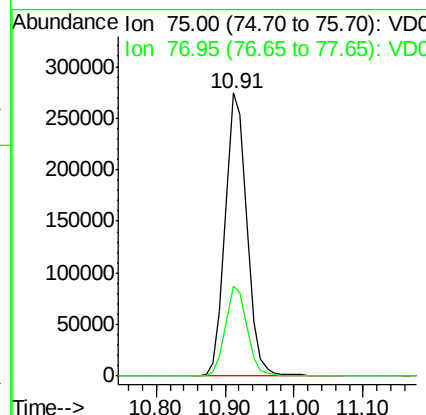
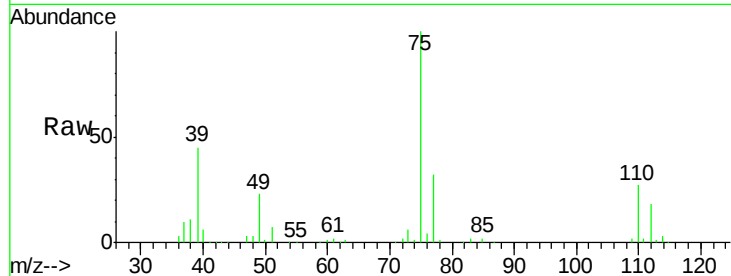
#53
t-1,3-Dichloropropene
Concen: 66.910 ug/l
RT: 10.91 min Scan# 964
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 75 Resp: 600010
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6

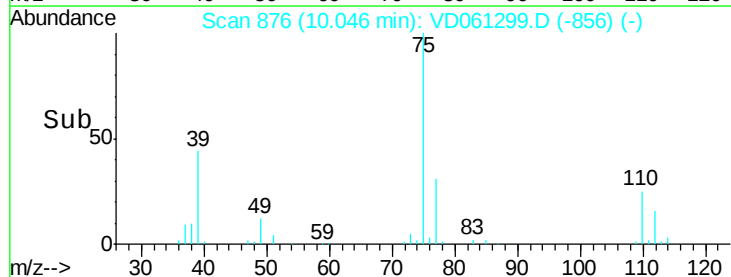
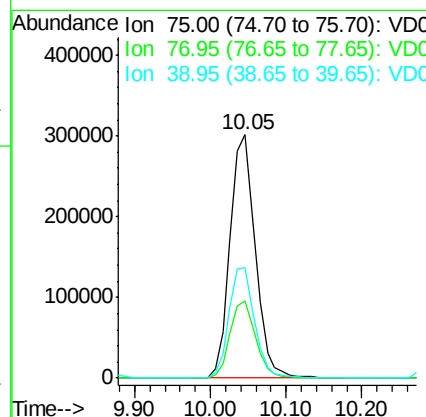
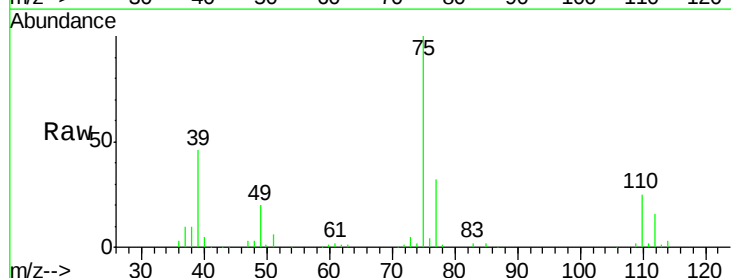
Manual Integrations
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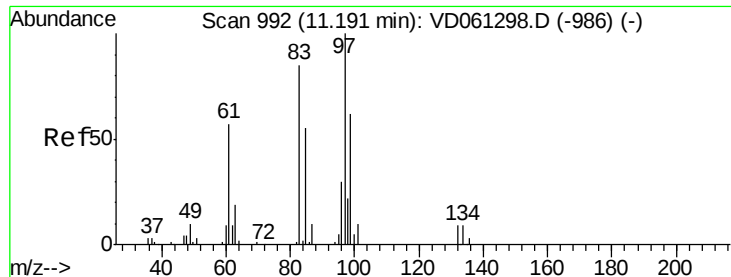
MMDadoda
3/26/2019 12:28:28 PM



#54
cis-1,3-Dichloropropene
Concen: 63.840 ug/l
RT: 10.05 min Scan# 876
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 75 Resp: 699047
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3
39 45.6 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 63.837 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

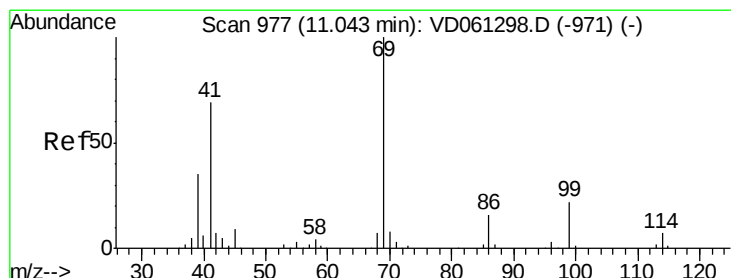
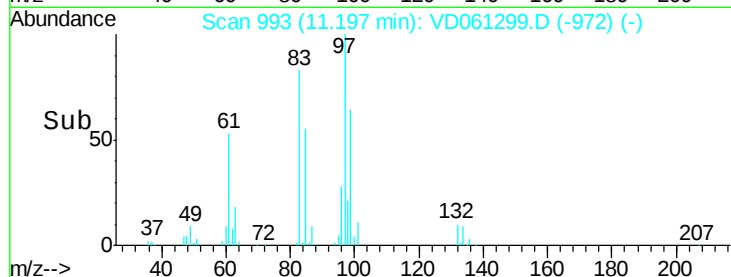
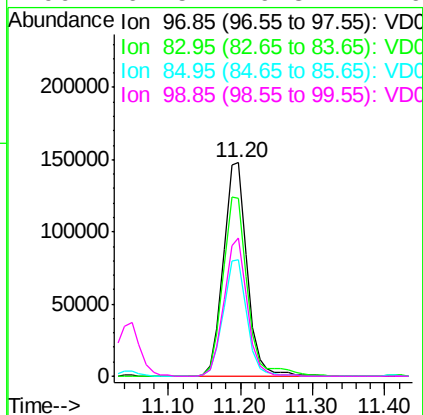
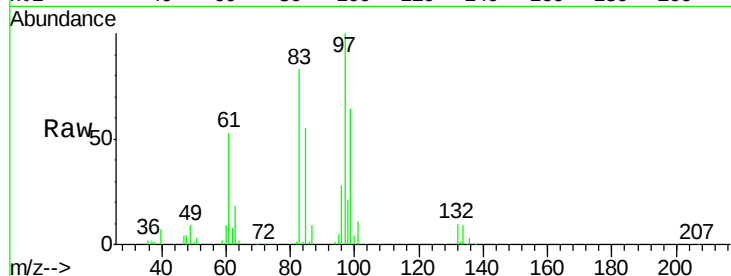
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	337453
Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.7	101.5
85	54.8	43.8	65.8
99	64.5	49.8	74.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 63.656 ug/l

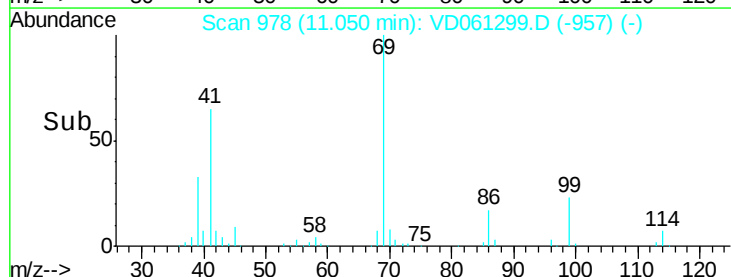
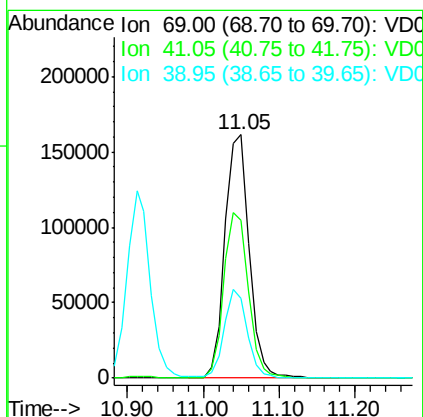
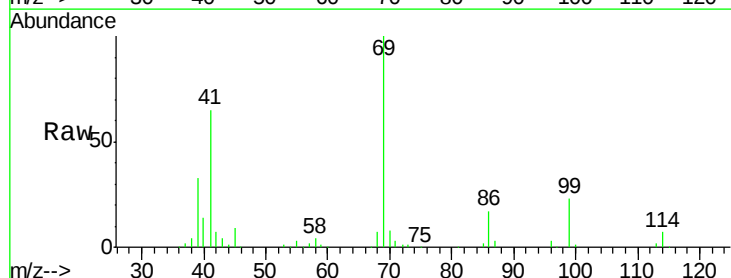
RT: 11.05 min Scan# 978

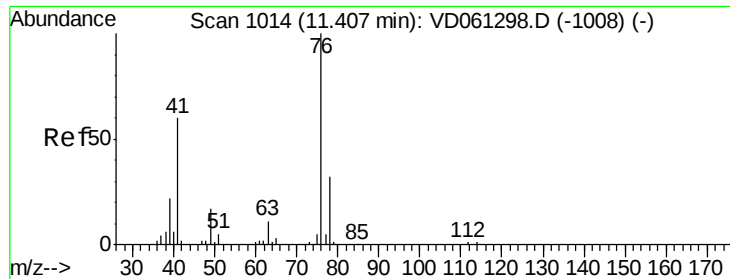
Delta R.T. 0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tgt Ion:	69	Resp:	359069
Ion	Ratio	Lower	Upper
69	100		
41	64.7	54.9	82.3
39	32.6	28.5	42.7





#57

1,3-Dichloropropane

Concen: 65.086 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampled :

VSTDIC075

Tot Ion: 76 Resp: 519611

Ion Ratio Lower Upper

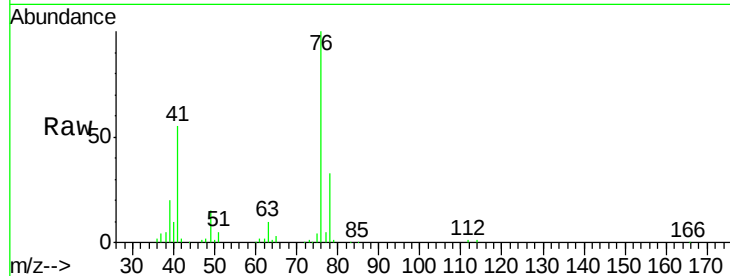
76 100

78 32.5 25.7 38.5

Manual Integrations
APPROVED

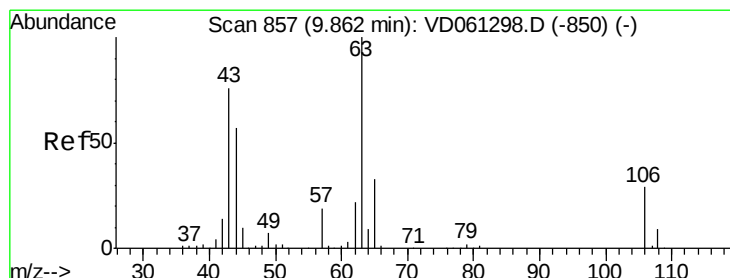
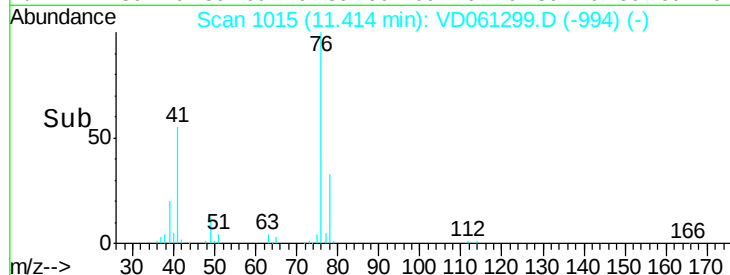
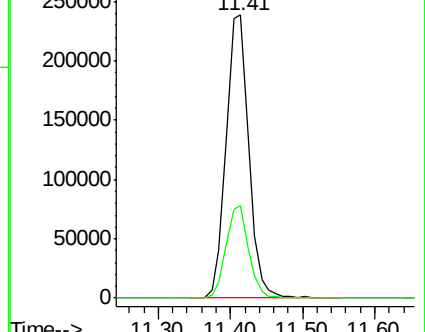
MMDadoda

3/26/2019 12:28:28 PM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 350.914 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD061299.D

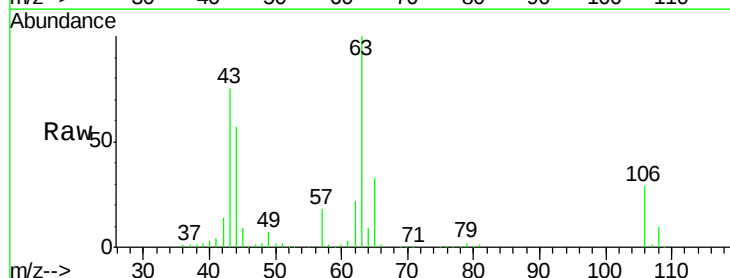
Acq: 25 Mar 2019 12:42

Tgt Ion: 63 Resp: 1029771

Ion Ratio Lower Upper

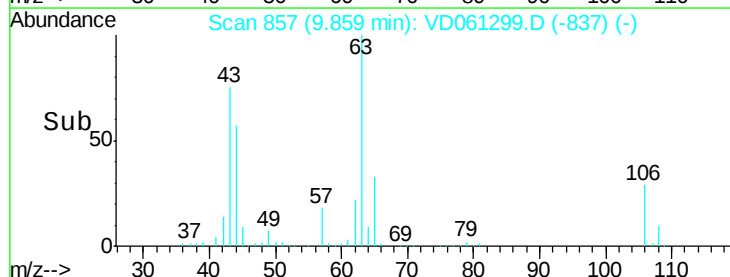
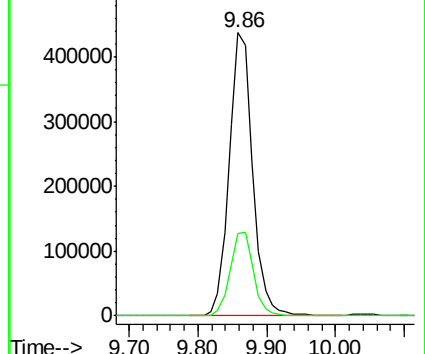
63 100

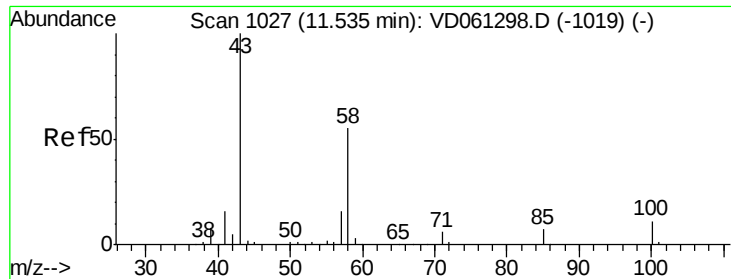
106 29.3 23.4 35.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





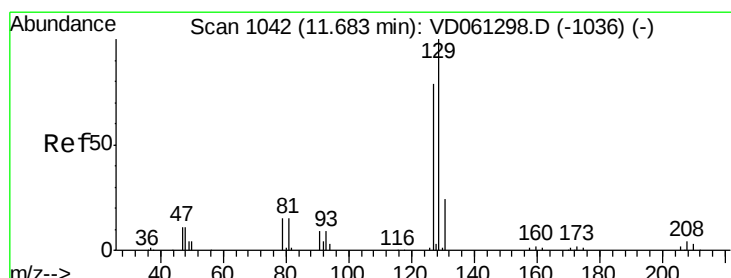
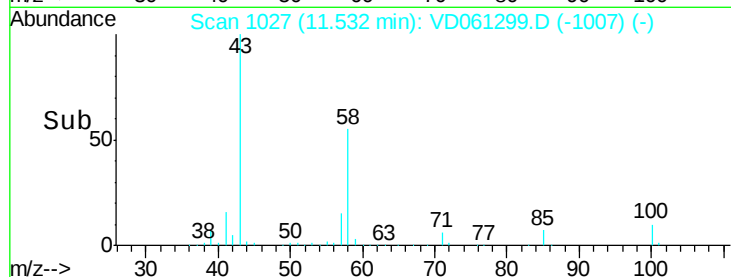
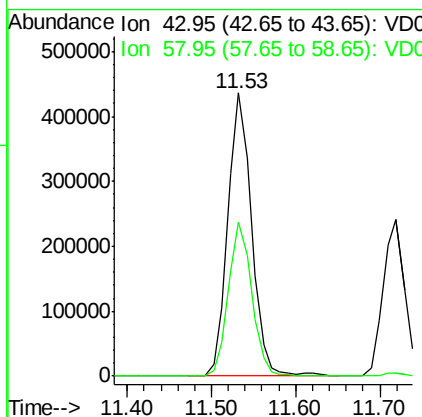
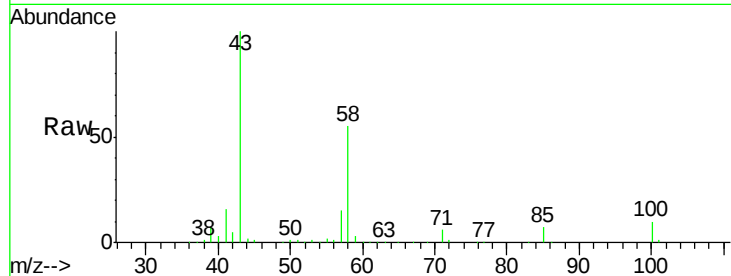
#59
2-Hexanone
Concen: 314.550 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 858170
Ion Ratio Lower Upper
43 100
58 54.5 27.4 82.0

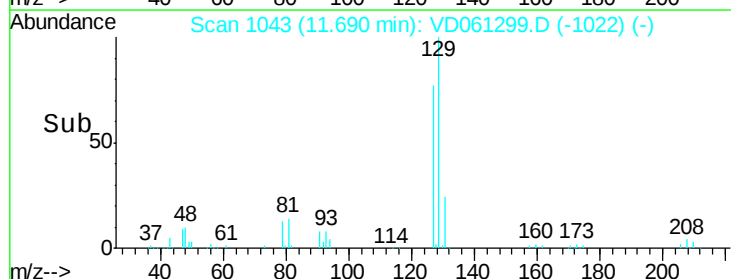
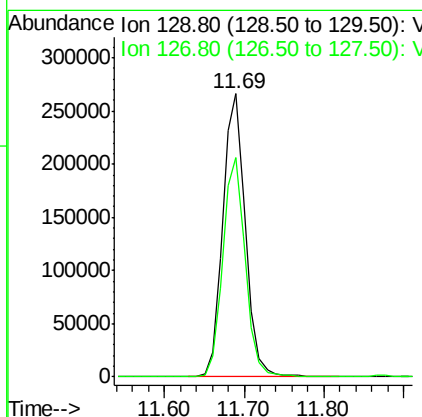
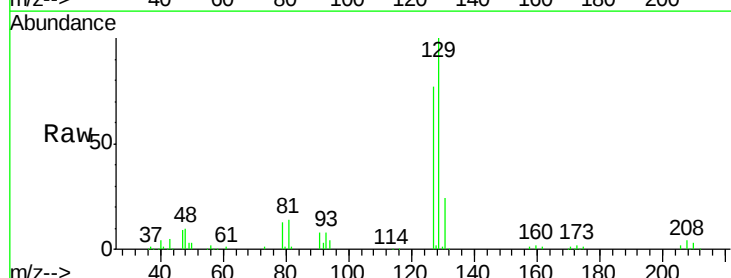
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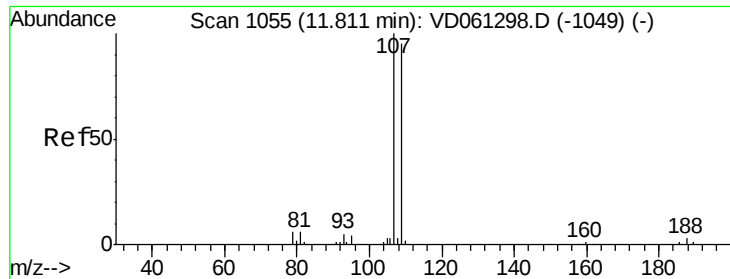
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3/26/2019 12:28:28 PM



#60
Dibromochloromethane
Concen: 64.327 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 129 Resp: 532605
Ion Ratio Lower Upper
129 100
127 77.5 39.6 119.0





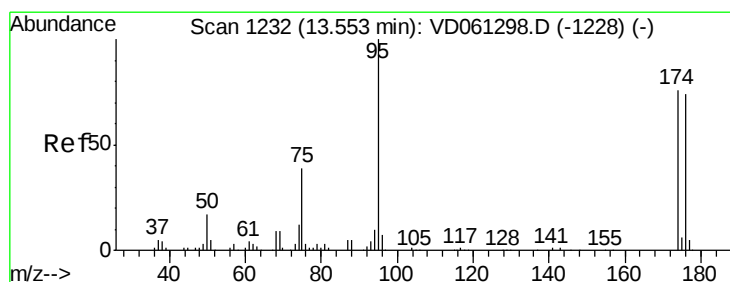
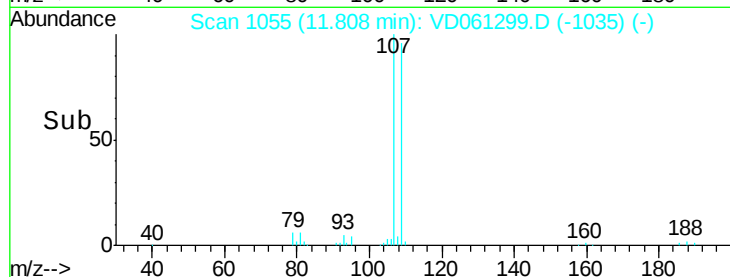
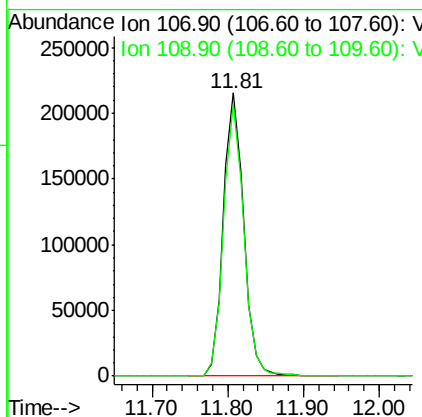
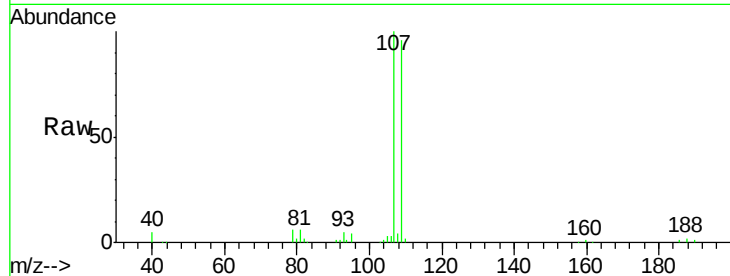
#61
1,2-Dibromoethane
Concen: 65.318 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 107 Resp: 403426
Ion Ratio Lower Upper
107 100
109 96.0 76.1 114.1

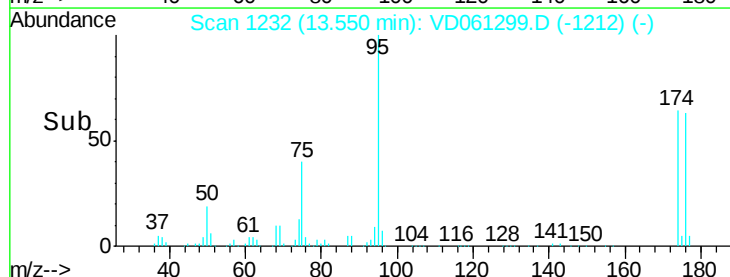
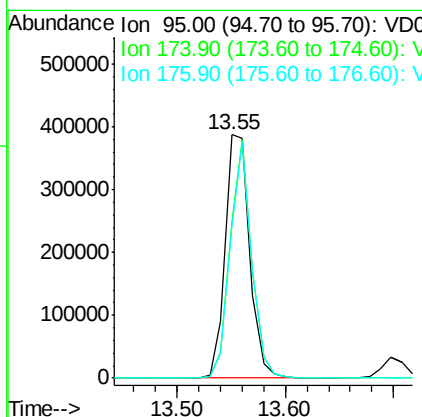
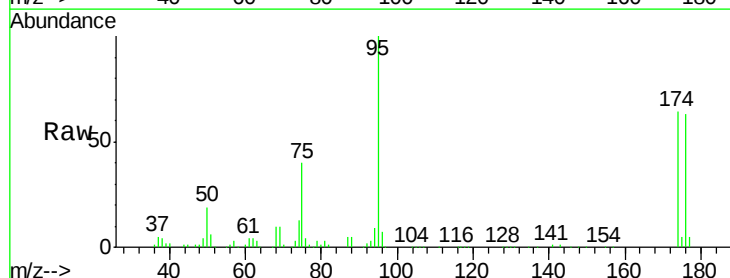
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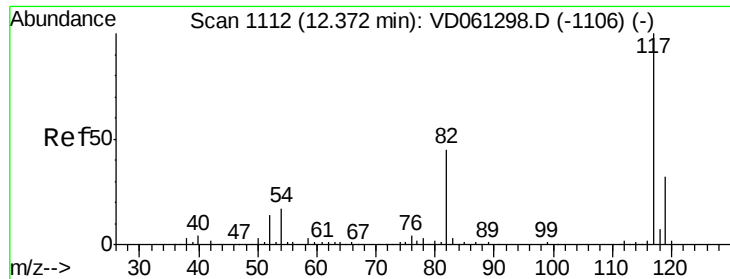
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#62
4-Bromofluorobenzene
Concen: 65.318 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 95 Resp: 608431
Ion Ratio Lower Upper
95 100
174 64.2 0.0 151.8
176 62.7 0.0 148.0





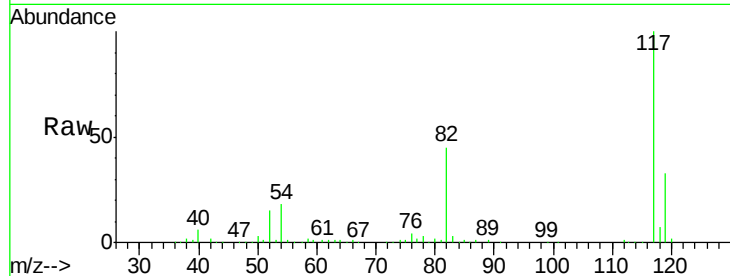
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

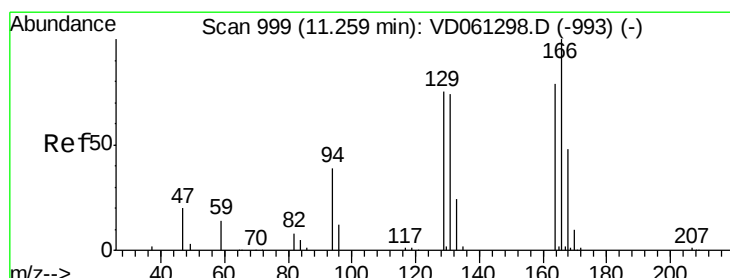
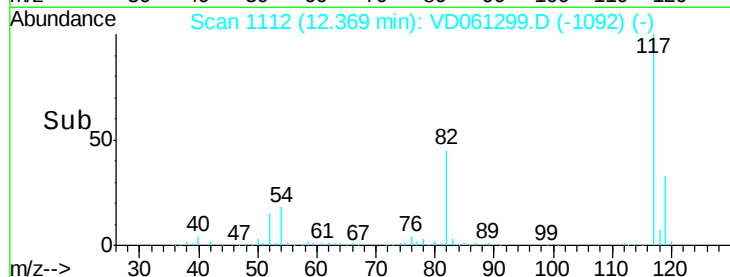
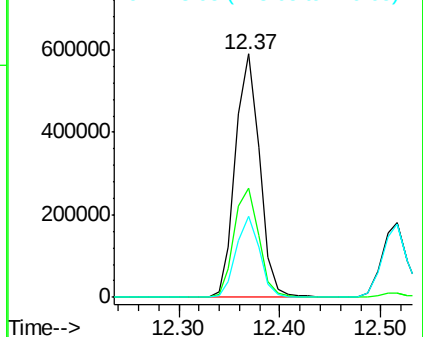
Tot Ion	Ratio	Lower	Upper
117	100		
82	44.9	35.7	53.5
119	33.2	25.9	38.9

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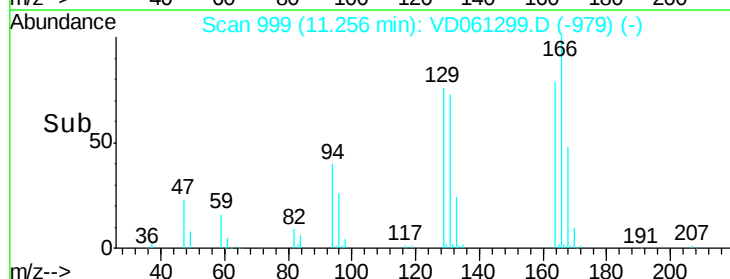
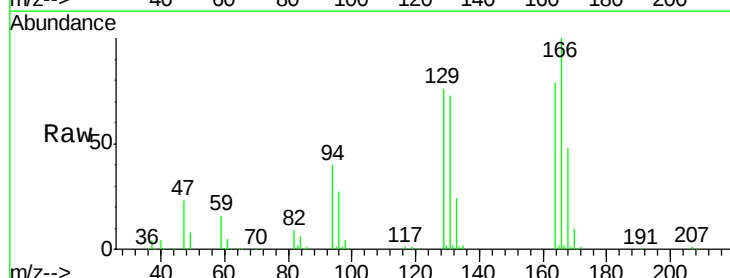
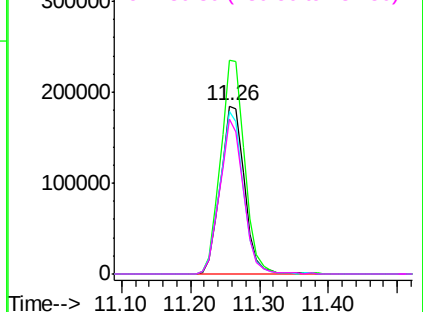
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

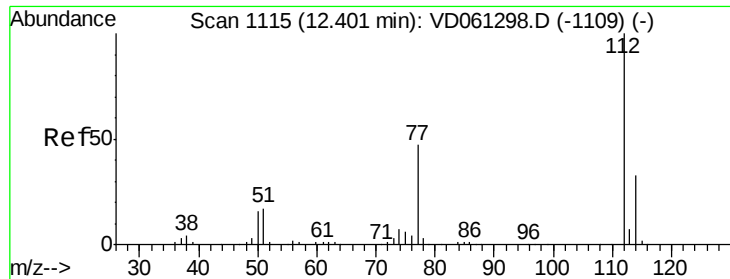


#64
Tetrachloroethene
Concen: 65.129 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.6	152.4
129	96.6	75.9	113.9
131	92.6	75.3	112.9

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





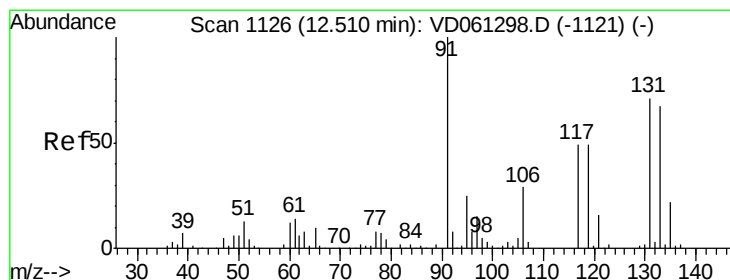
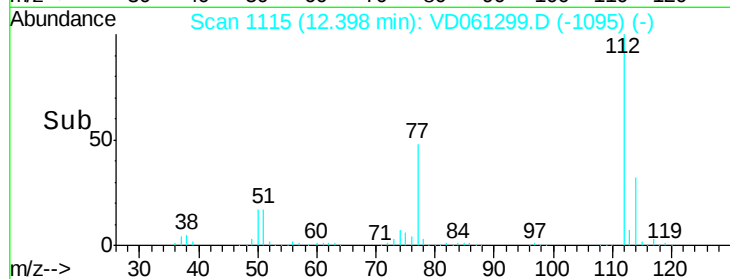
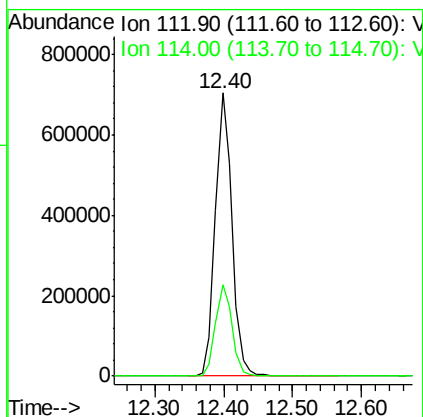
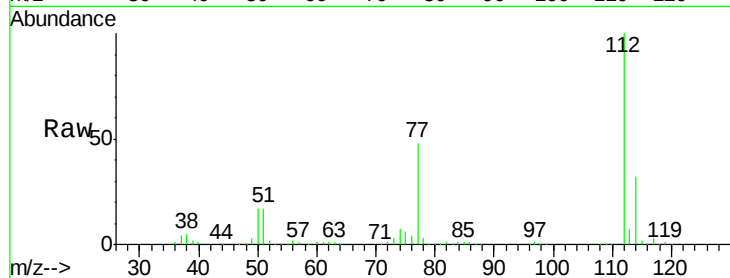
#65
Chlorobenzene
Concen: 64.724 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1179474
Ion Ratio Lower Upper
112 100
114 32.5 26.5 39.7

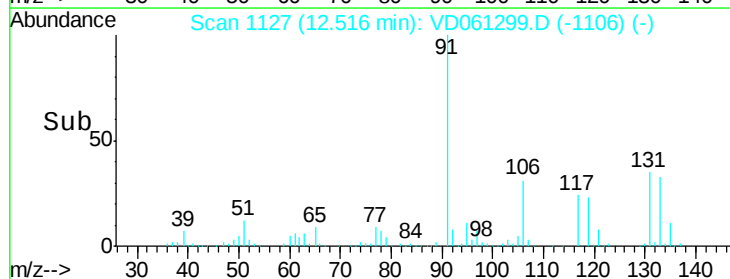
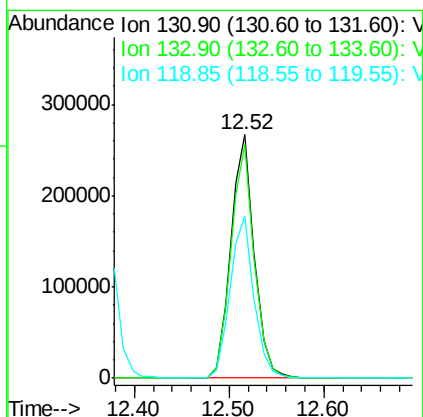
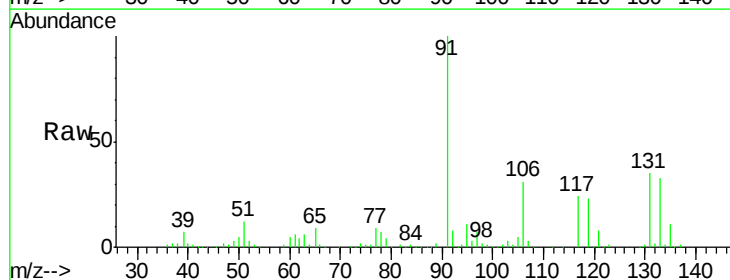
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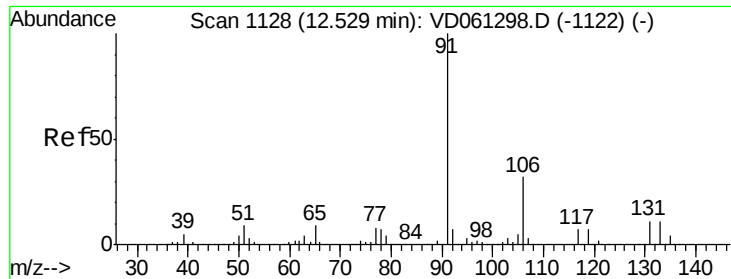
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#66
1,1,1,2-Tetrachloroethane
Concen: 64.288 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion:131 Resp: 454225
Ion Ratio Lower Upper
131 100
133 95.9 47.0 141.2
119 66.5 34.8 104.5





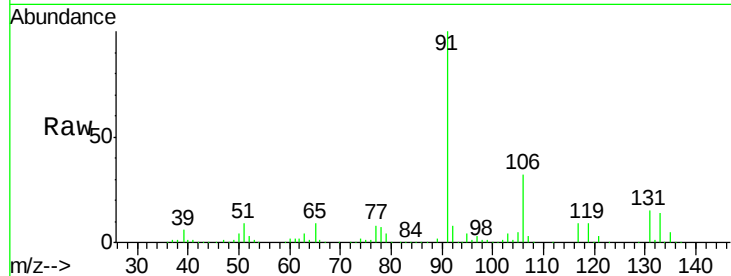
#67
Ethyl Benzene
Concen: 57.725 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampled :
VSTDIC075

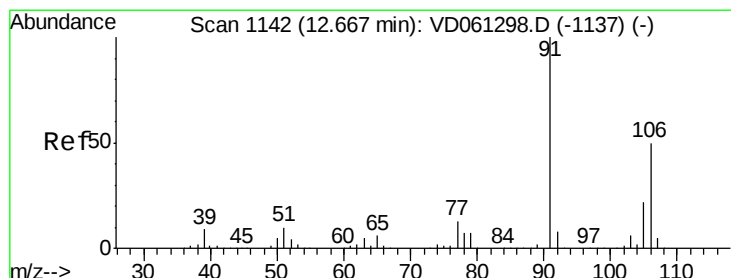
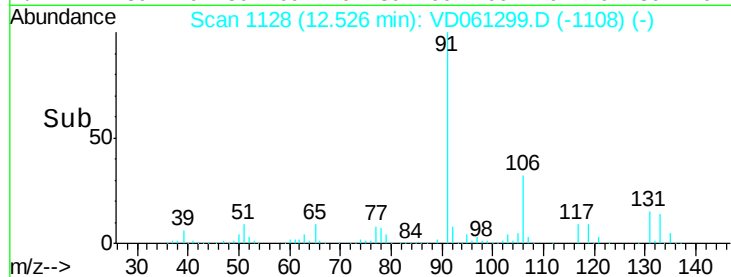
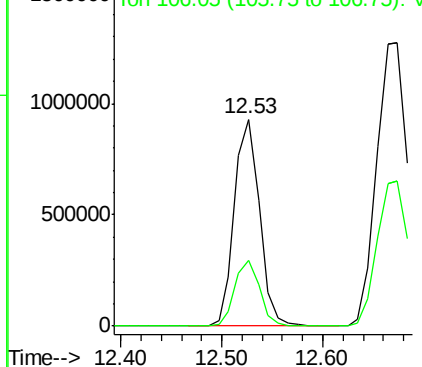
Tot Ion: 91 Resp: 1609928
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.8

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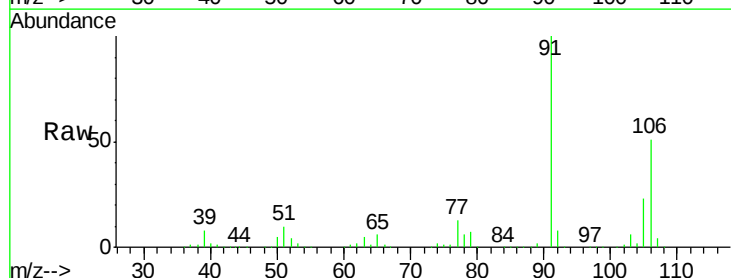


Abundance Ion 91.00 (90.70 to 91.70): V

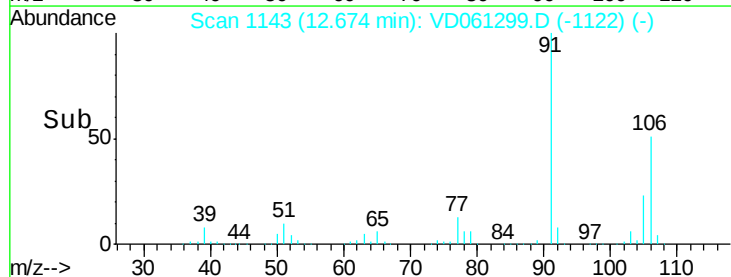
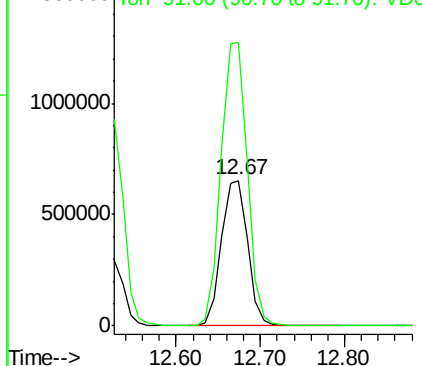


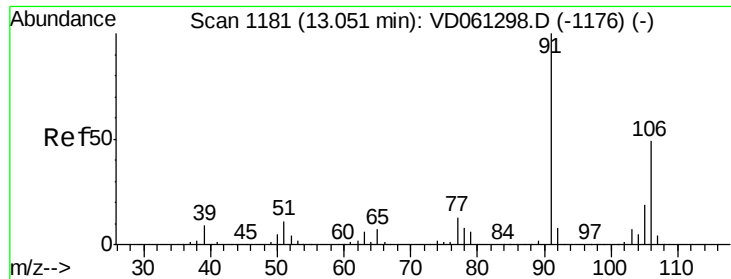
#68
m/p-Xylenes
Concen: 129.012 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion:106 Resp: 1404529
Ion Ratio Lower Upper
106 100
91 194.6 159.2 238.8



Abundance Ion 106.05 (105.75 to 106.75): V





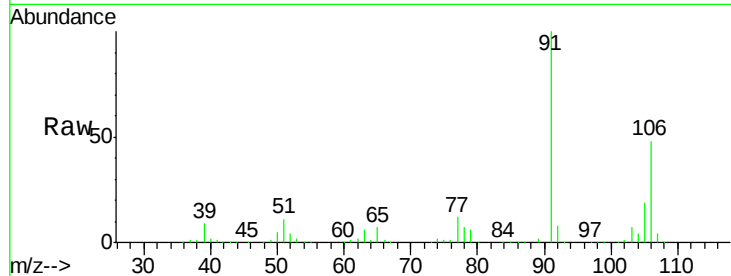
#69
o-Xylene
Concen: 65.471 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

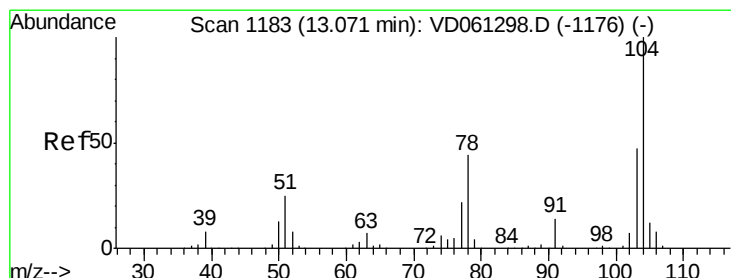
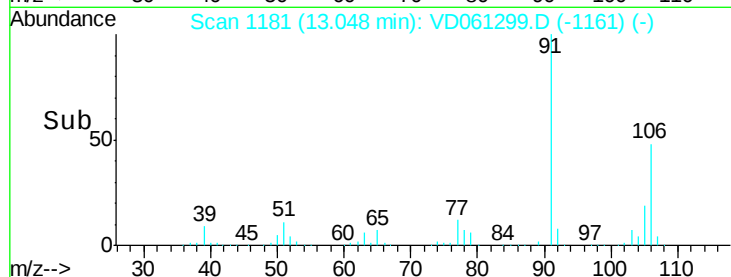
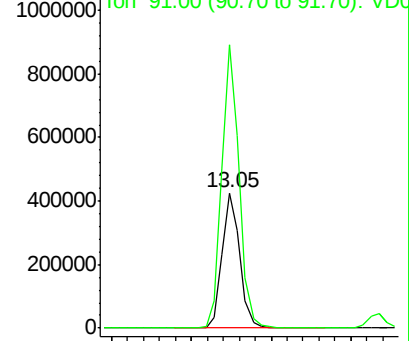
Tot Ion:106 Resp: 661061
Ion Ratio Lower Upper
106 100
91 209.1 102.5 307.5

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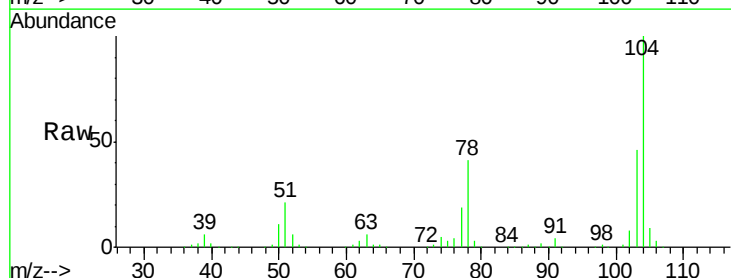


Abundance Ion 106.05 (105.75 to 106.75): V

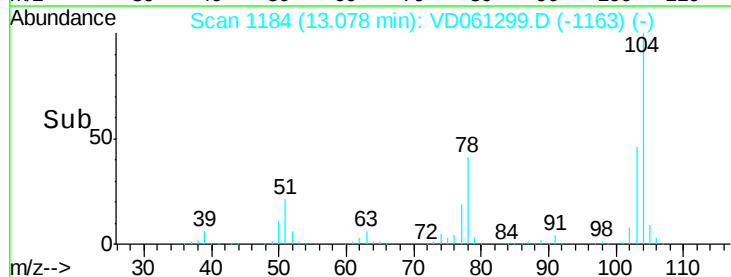
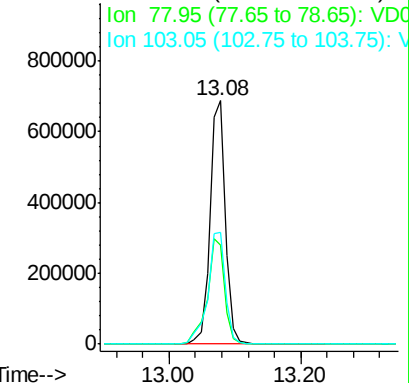


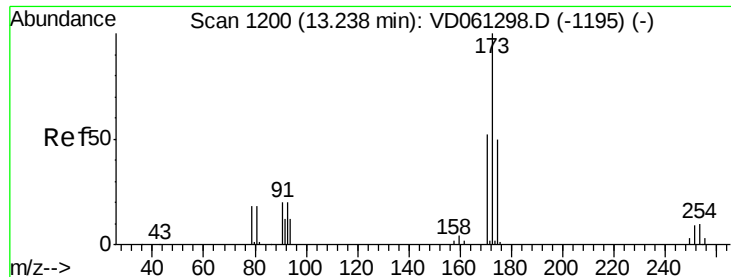
#70
Styrene
Concen: 65.337 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion:104 Resp: 1119655
Ion Ratio Lower Upper
104 100
78 40.6 35.1 52.7
103 45.7 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V





#71

Bromoform

Concen: 66.853 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:173 Resp: 289047

Ion Ratio Lower Upper

173 100

175 49.7 24.9 74.7

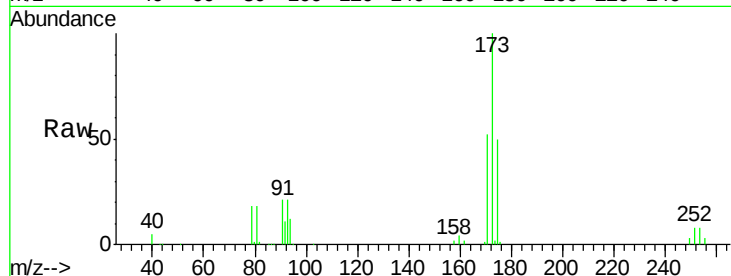
254 8.3 7.8 11.6

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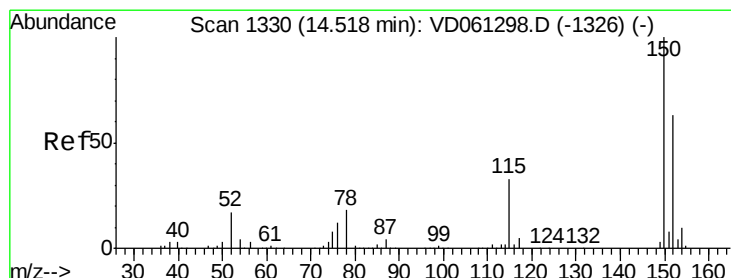
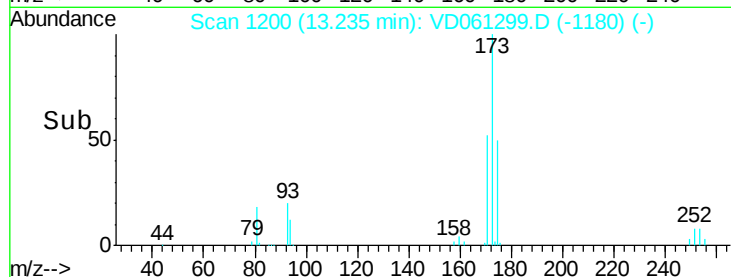
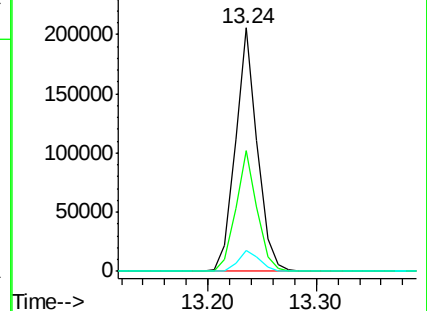
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

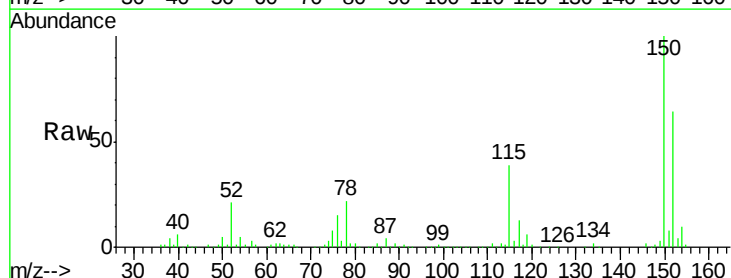
Tgt Ion:152 Resp: 455865

Ion Ratio Lower Upper

152 100

115 60.4 29.2 87.6

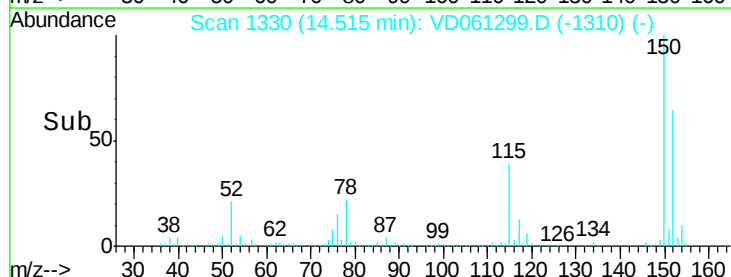
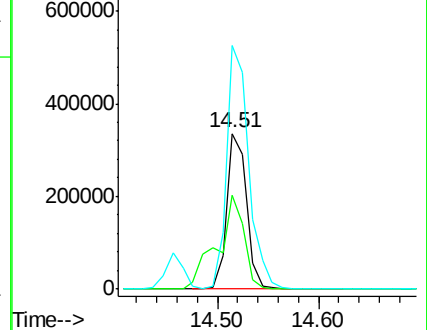
150 156.8 0.0 319.6

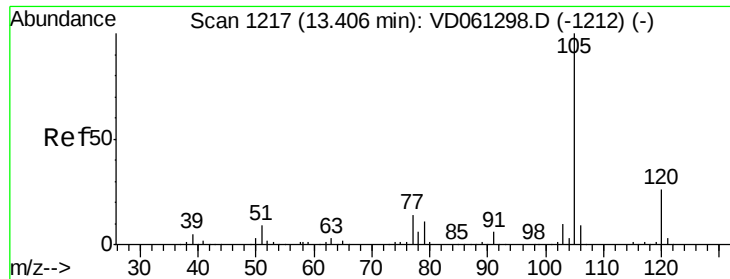


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.011 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 1720061

Ion Ratio Lower Upper

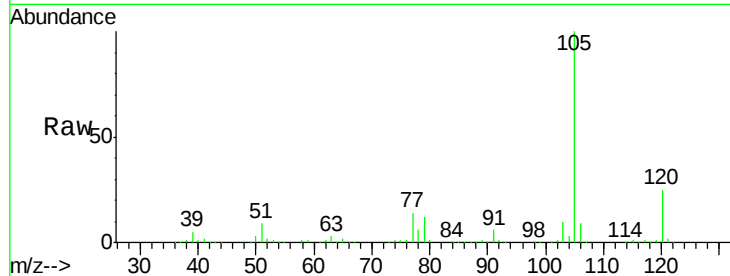
105 100

120 25.2 13.1 39.1

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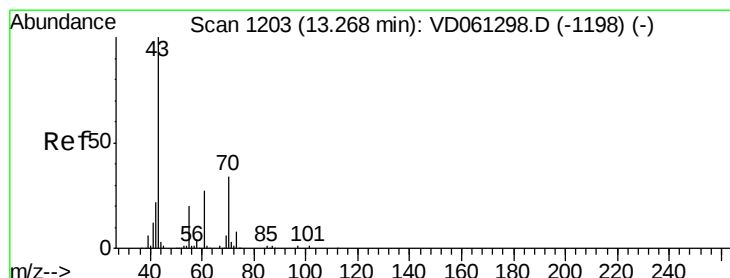
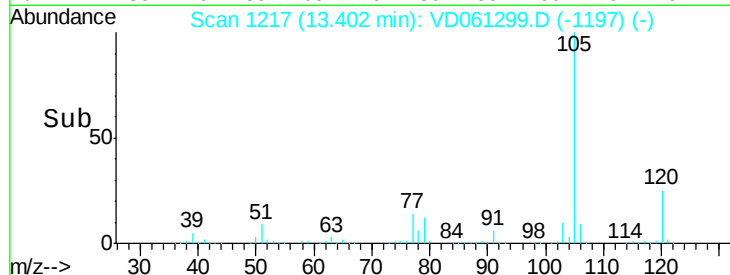
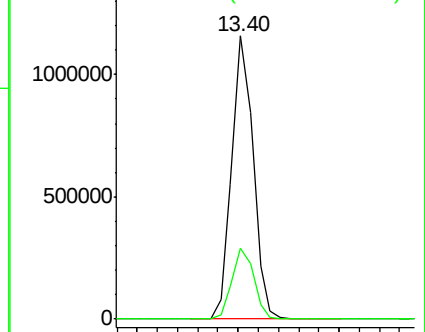
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 59.384 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tgt Ion: 43 Resp: 460661

Ion Ratio Lower Upper

43 100

70 33.0 27.5 41.3

55 19.5 15.7 23.5

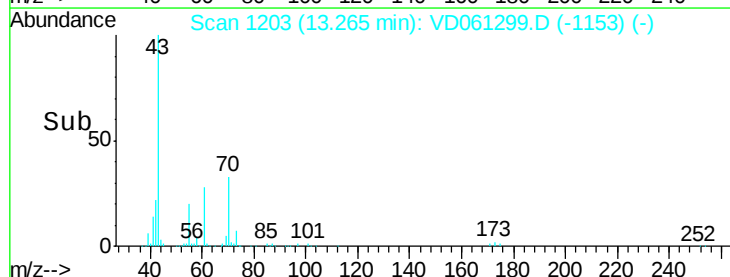
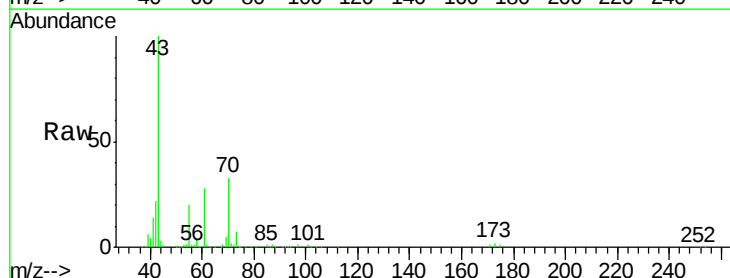
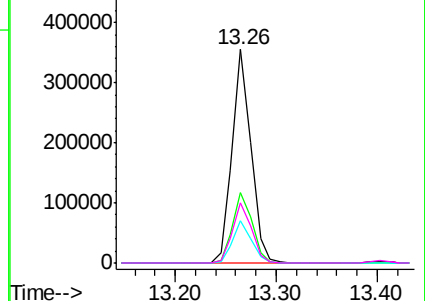
61 28.3 21.8 32.6

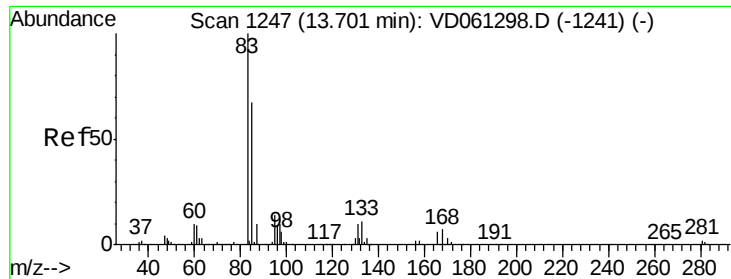
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 60.322 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

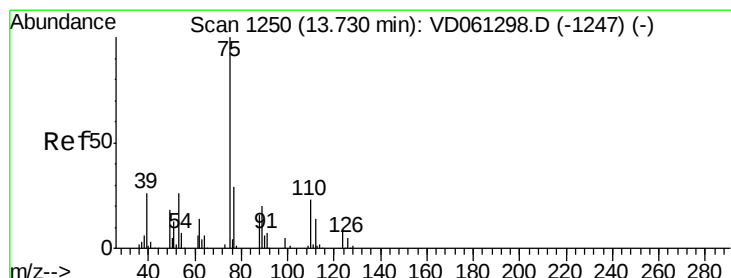
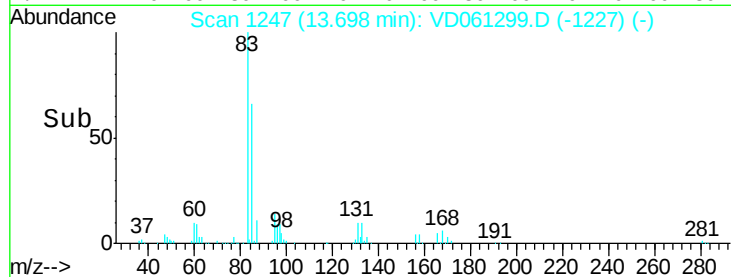
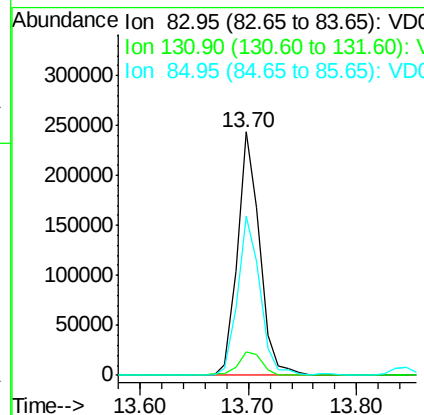
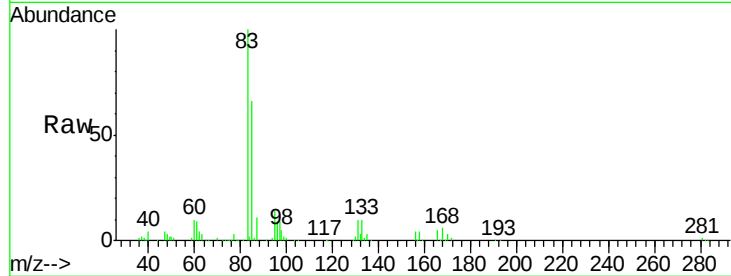
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	346847
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	65.6	33.4	100.2

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#76

1,2,3-Trichloropropane

Concen: 64.255 ug/l

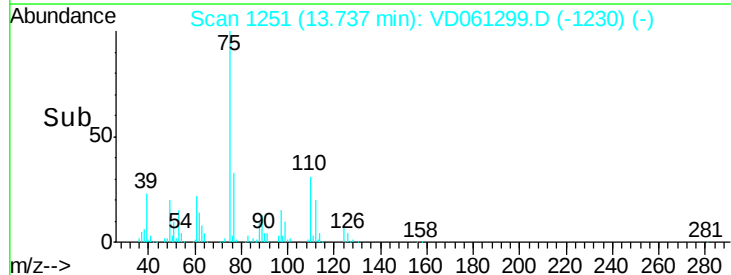
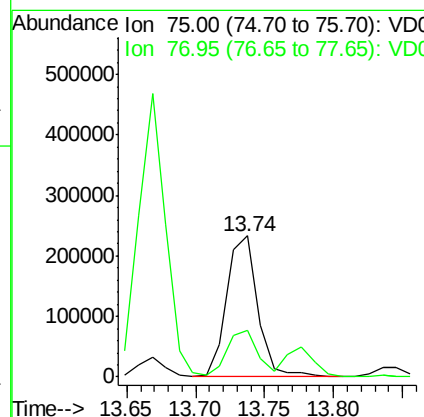
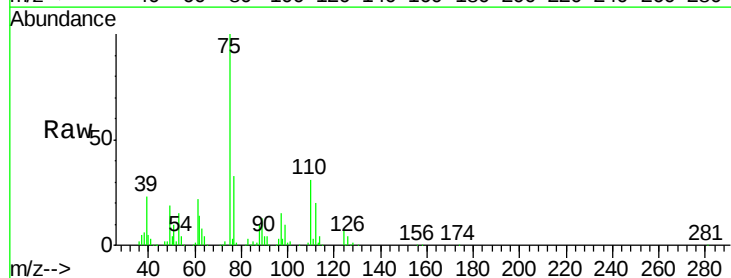
RT: 13.74 min Scan# 1251

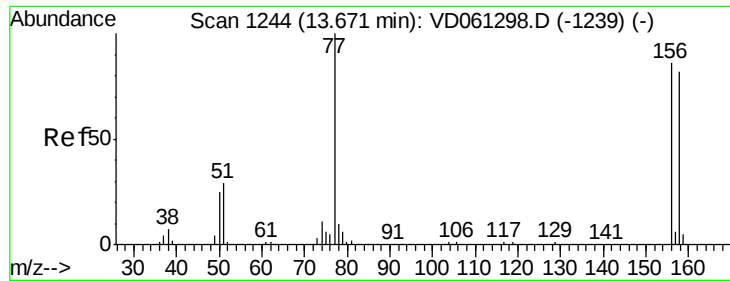
Delta R.T. 0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tgt Ion:	75	Resp:	364278
Ion Ratio	Lower	Upper	
75	100		
77	33.0	15.8	47.4





#77

Bromobenzene

Concen: 62.797 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

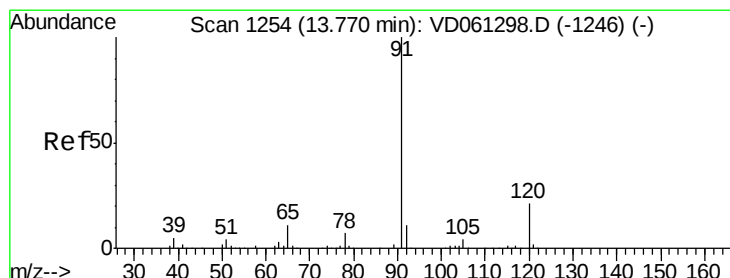
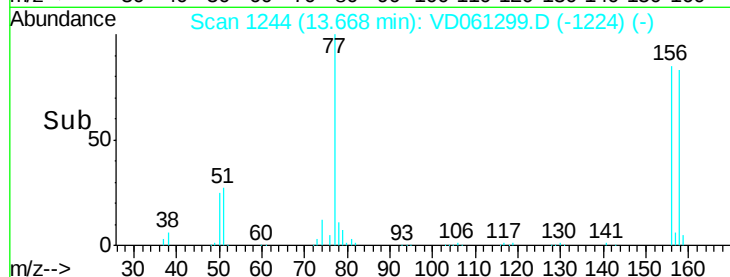
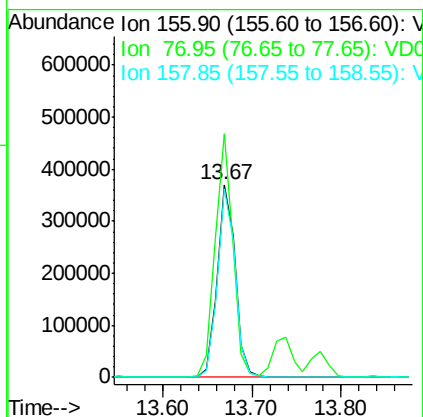
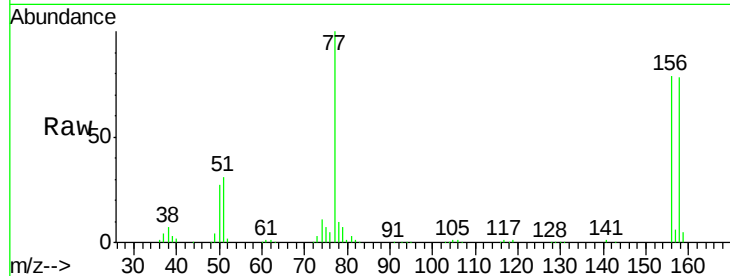
ClientSampleId :

VSTDIC075

Tot Ion:	156	Resp:	520099
Ion Ratio	Lower	Upper	
156	100		
77	126.2	58.4	175.1
158	98.0	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 58.245 ug/l

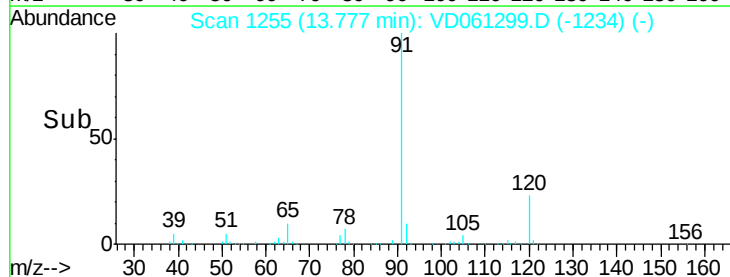
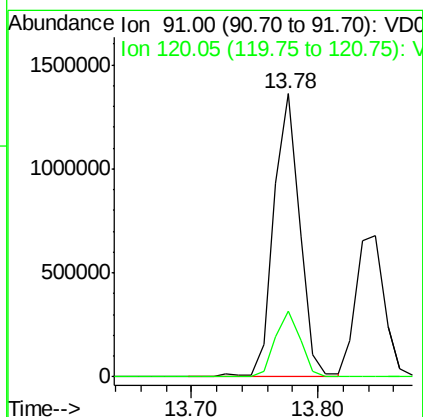
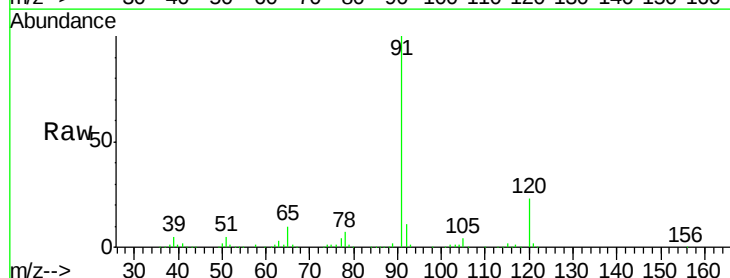
RT: 13.78 min Scan# 1255

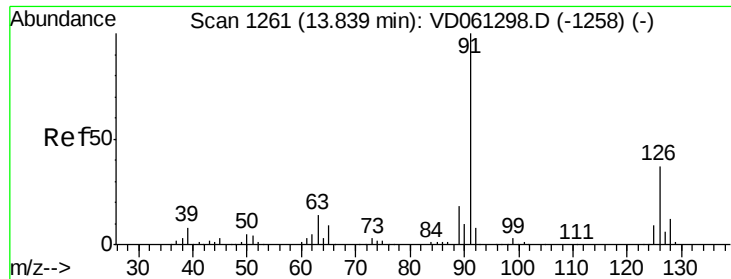
Delta R.T. 0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tgt Ion:	91	Resp:	1948396
Ion Ratio	Lower	Upper	
91	100		
120	23.2	10.7	32.1





#79

2-Chlorotoluene

Concen: 54.525 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 1059841

Ion Ratio Lower Upper

91 100

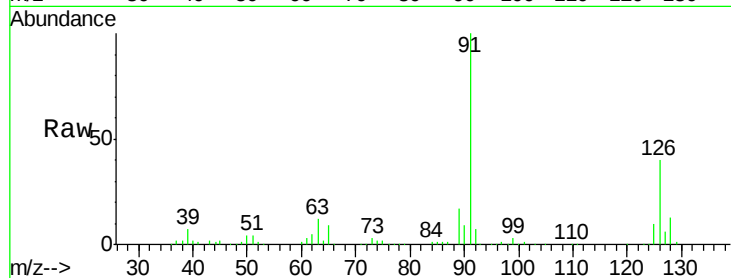
126 40.5 18.4 55.4

Manual Integrations

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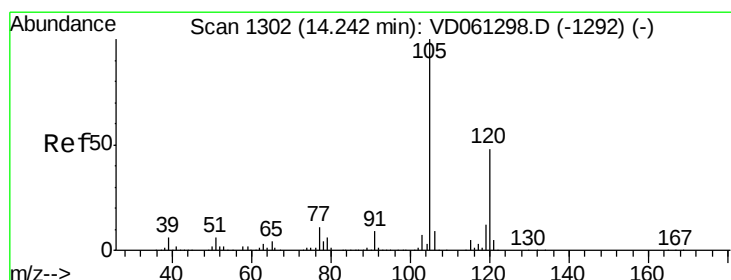
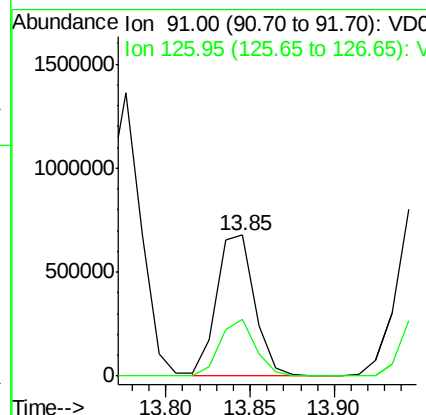
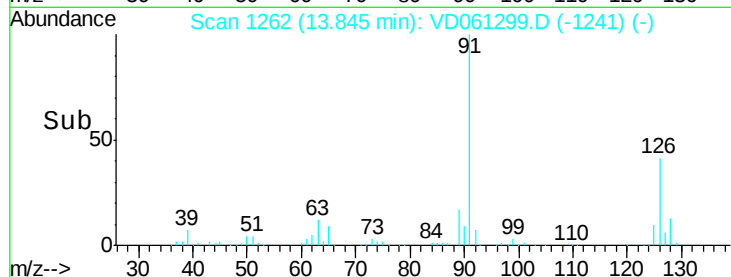
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 64.601 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061299.D

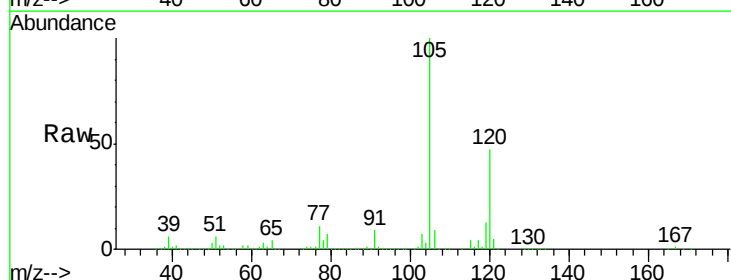
Acq: 25 Mar 2019 12:42

Tgt Ion:105 Resp: 1511060

Ion Ratio Lower Upper

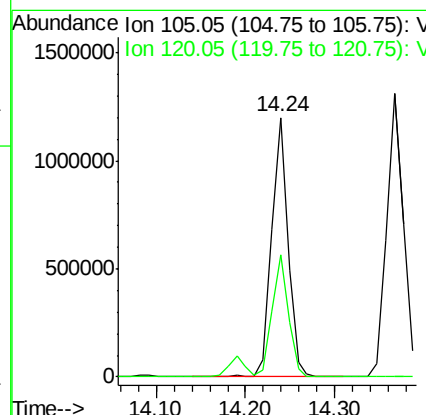
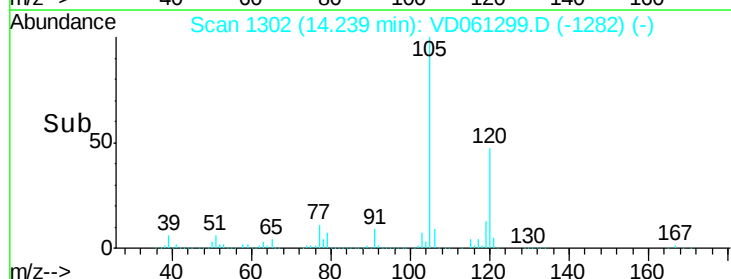
105 100

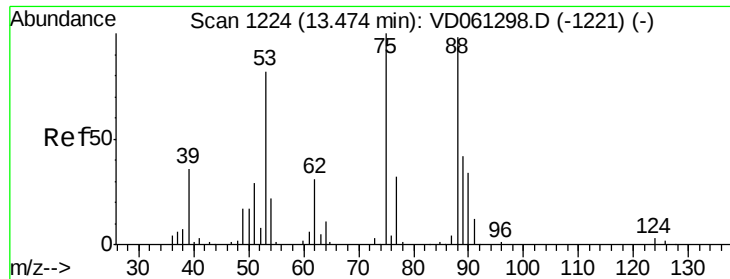
120 47.0 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





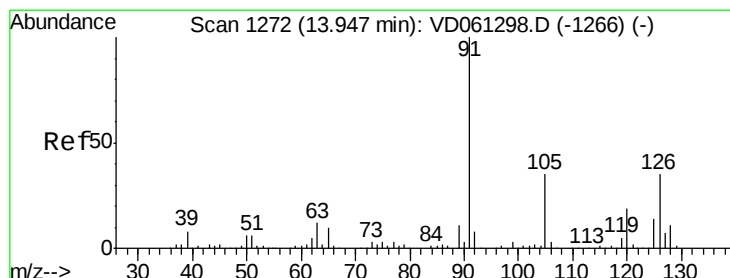
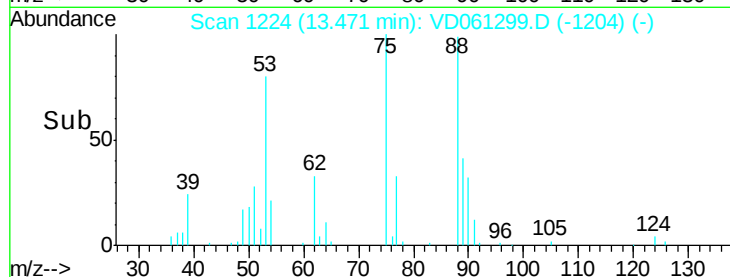
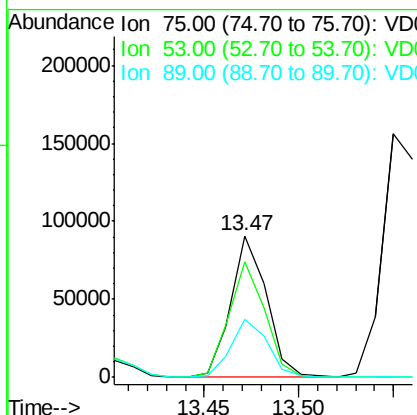
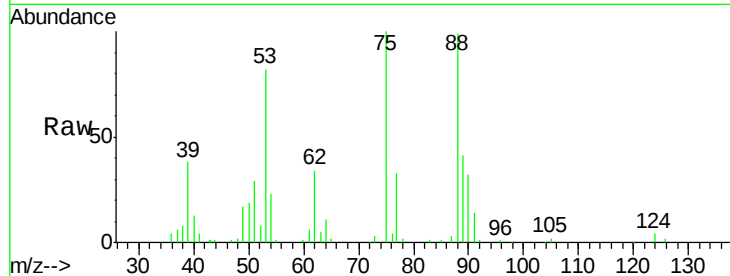
#81
trans-1,4-Dichloro-2-butene
Concen: 66.324 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.6	65.3	97.9
89	41.2	33.8	50.6

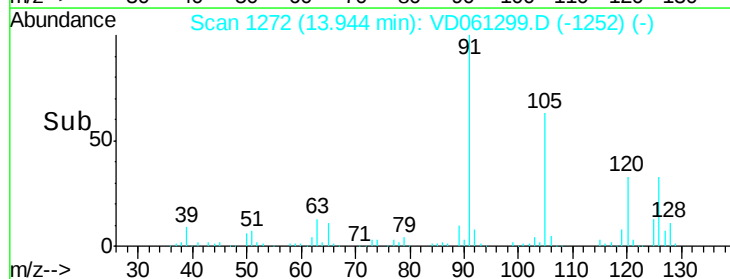
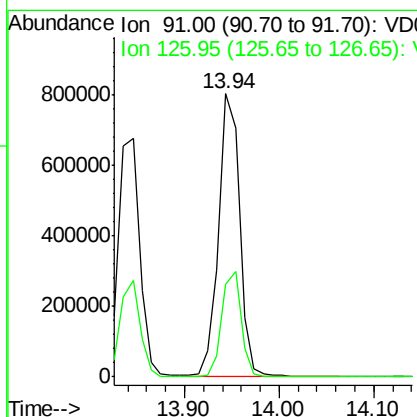
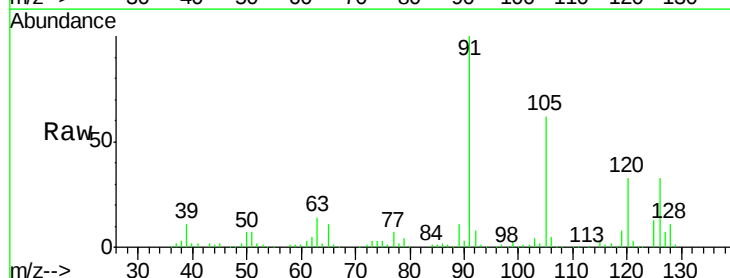
Manual Integrations
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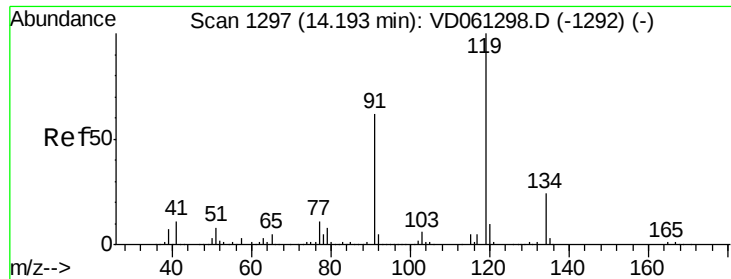
MMDadoda
3/26/2019 12:28:28 PM



#82
4-Chlorotoluene
Concen: 58.055 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	17.7	53.1





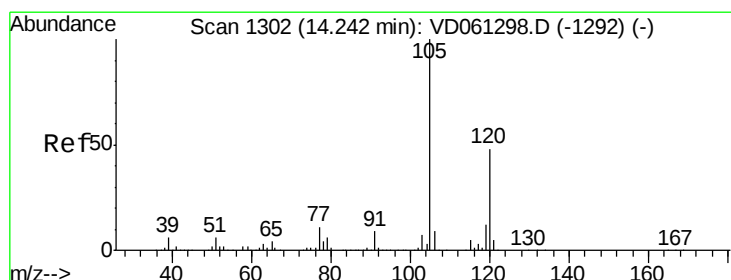
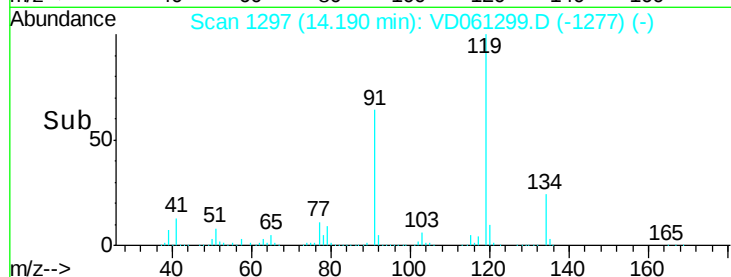
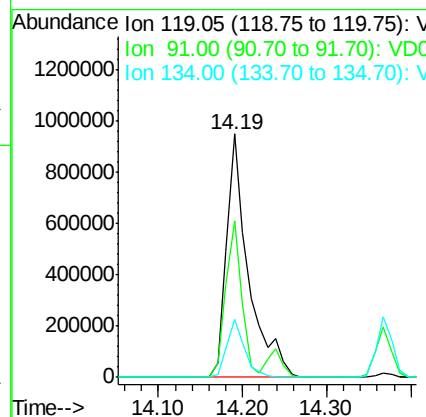
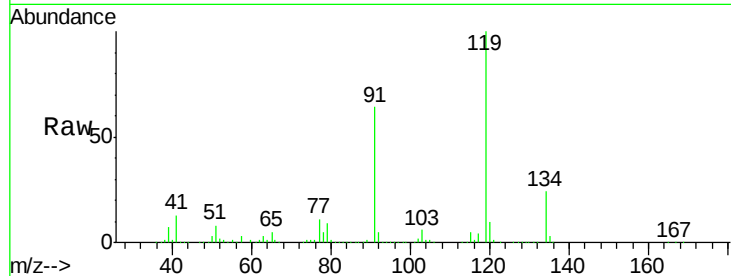
#83
tert-Butylbenzene
Concen: 64.717 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:119 Resp: 1728389
Ion Ratio Lower Upper
119 100
91 64.2 31.1 93.5
134 23.9 11.9 35.7

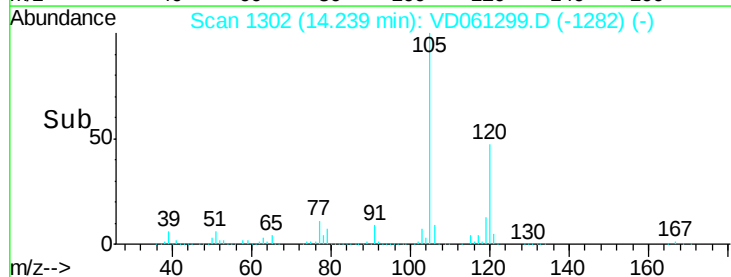
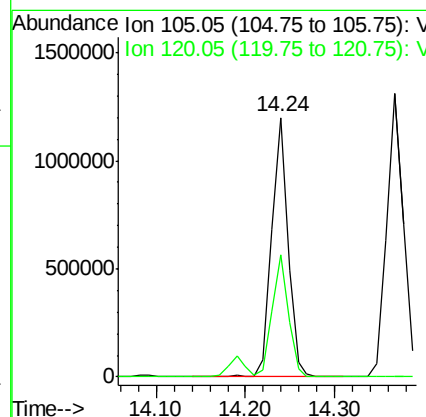
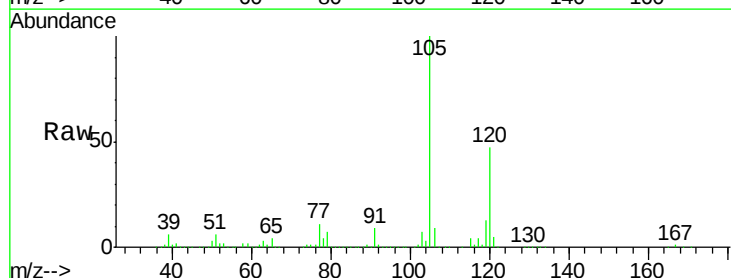
Manual Integrations
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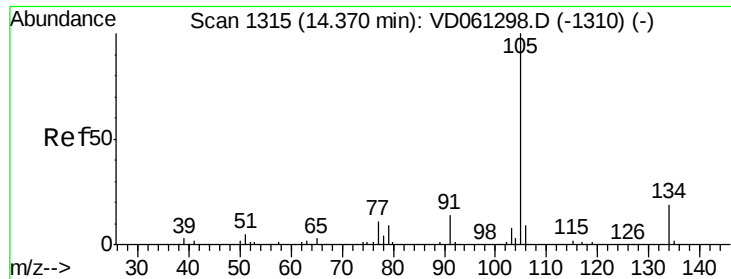
MMDadoda
3/26/2019 12:28:28 PM



#84
1,2,4-Trimethylbenzene
Concen: 64.601 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion:105 Resp: 1511060
Ion Ratio Lower Upper
105 100
120 47.0 23.8 71.4





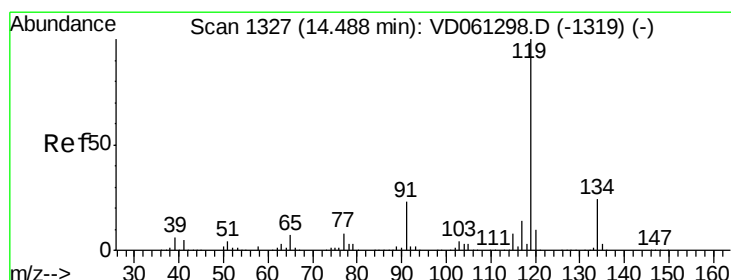
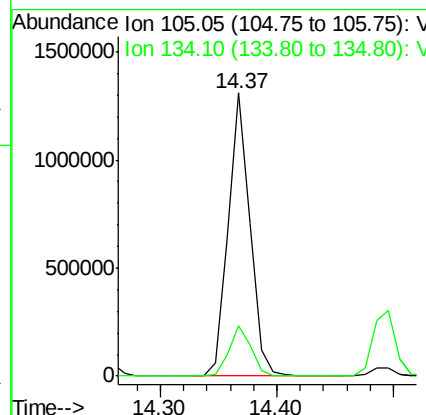
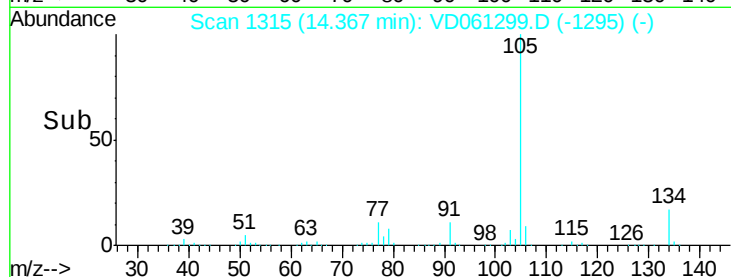
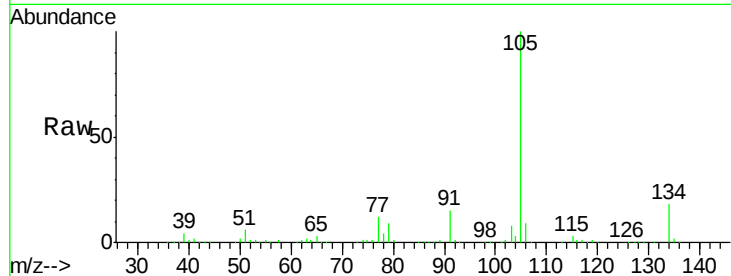
#85
 sec-Butylbenzene
 Concen: 56.830 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC075

Tot Ion:105 Resp: 1690270
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.5 28.5

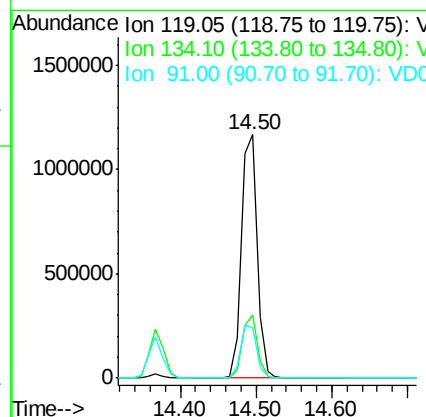
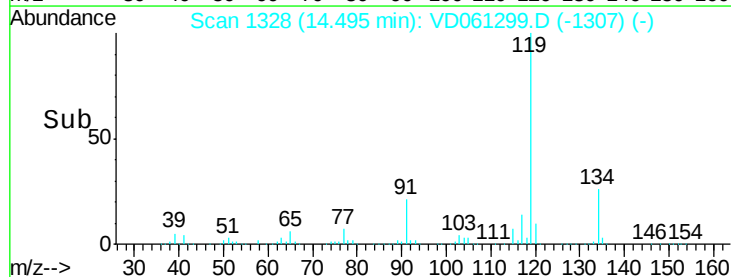
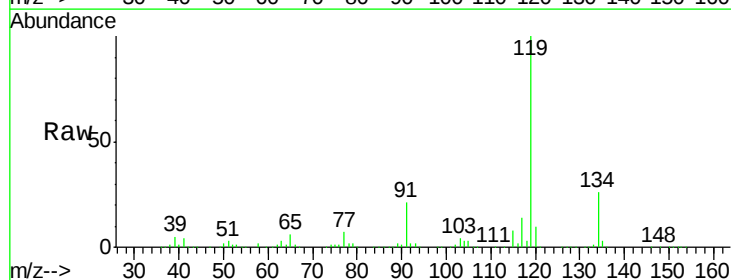
Manual Integrations
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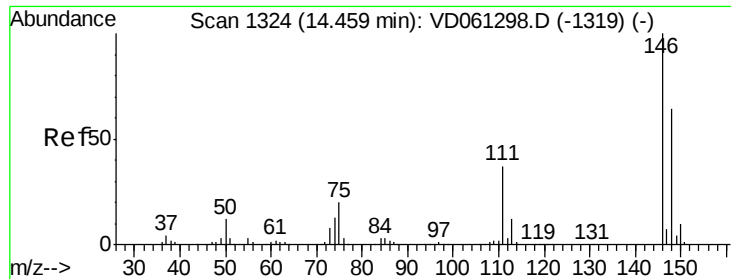
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 3/26/2019 12:28:28 PM



#86
 p-Isopropyltoluene
 Concen: 62.044 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion:119 Resp: 1646355
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.1 36.3
 91 20.8 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 63.865 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

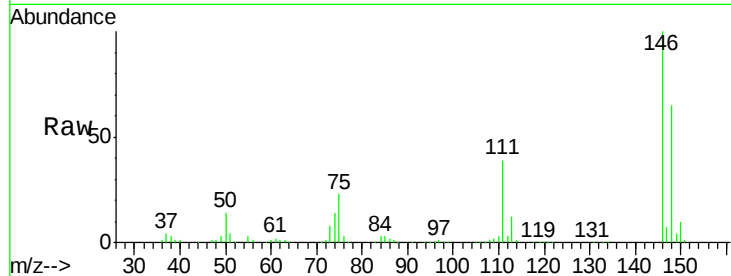
ClientSampleId :

VSTDIC075

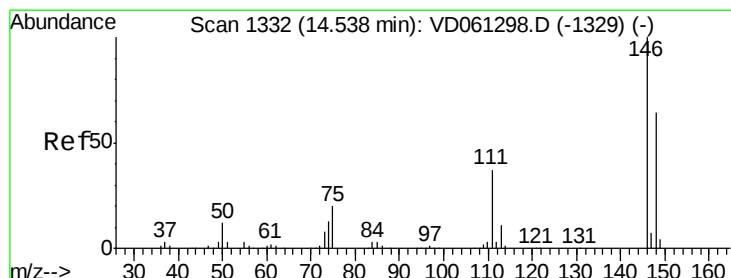
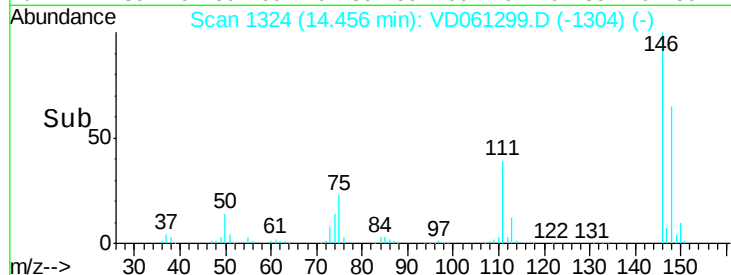
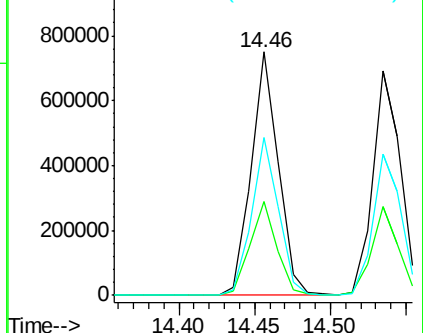
Tot Ion:	146	Resp:	937572
Ion Ratio	Lower	Upper	
146	100		
111	38.8	18.4	55.0
148	64.7	32.0	96.2

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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 62.465 ug/l

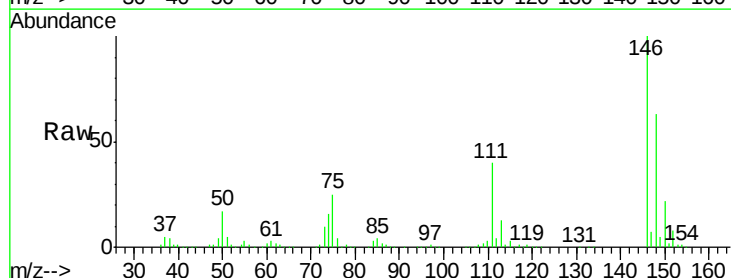
RT: 14.53 min Scan# 1332

Delta R.T. -0.00 min

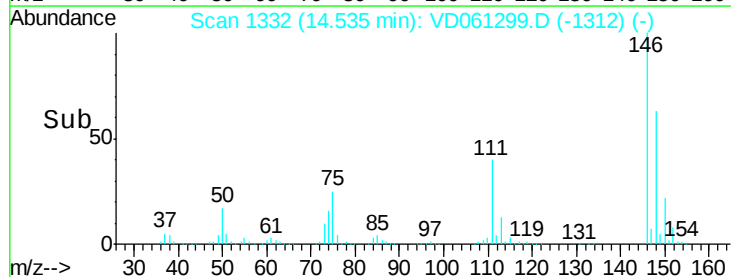
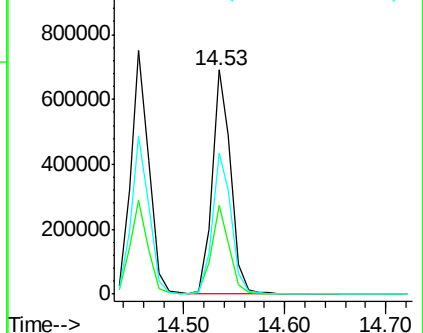
Lab File: VD061299.D

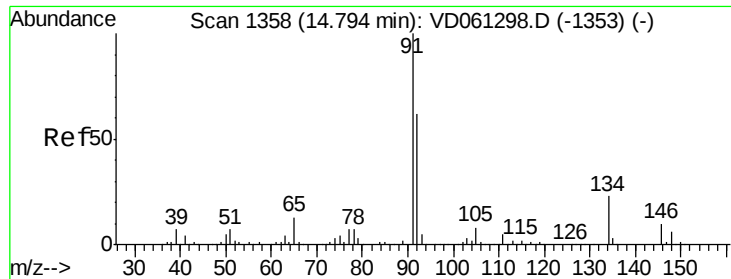
Acq: 25 Mar 2019 12:42

Tgt Ion:	146	Resp:	888297
Ion Ratio	Lower	Upper	
146	100		
111	39.6	18.6	55.6
148	62.9	31.9	95.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





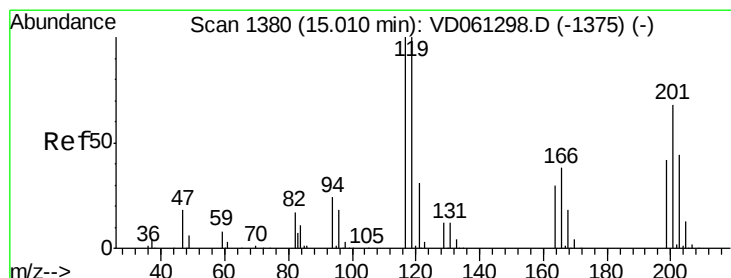
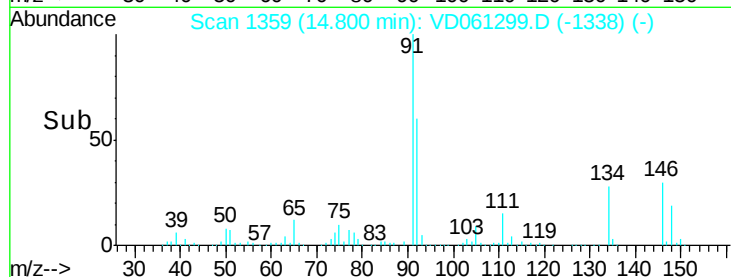
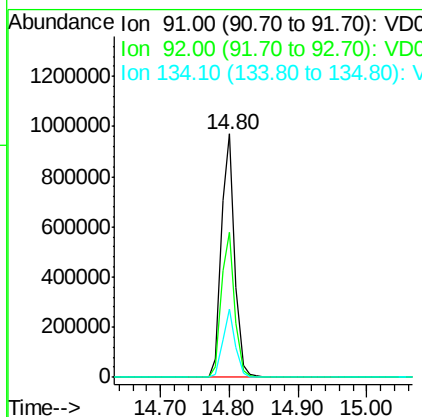
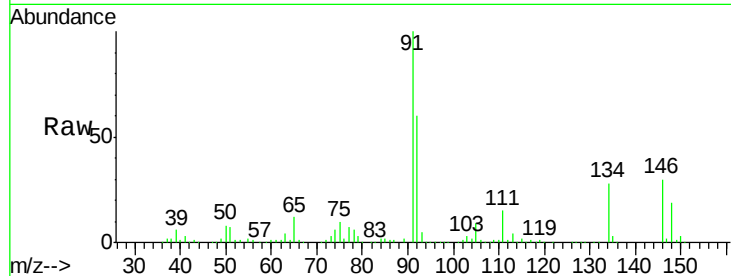
#89
n-Butylbenzene
Concen: 54.690 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1288423
Ion Ratio Lower Upper
91 100
92 59.8 30.9 92.7
134 27.8 11.7 35.0

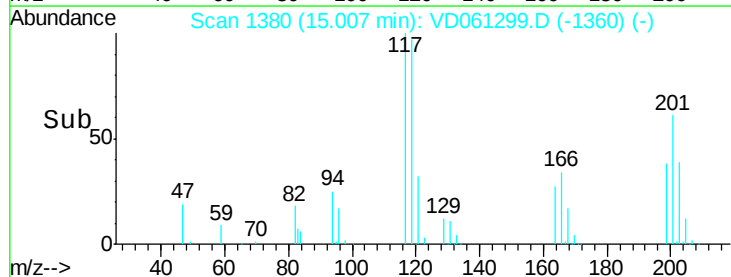
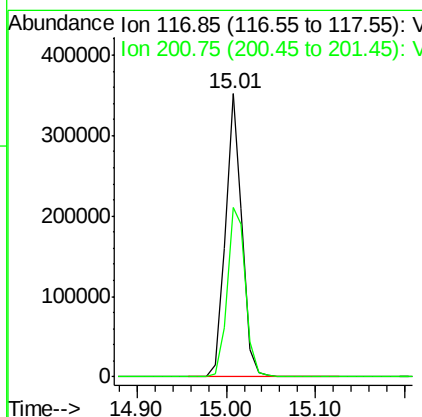
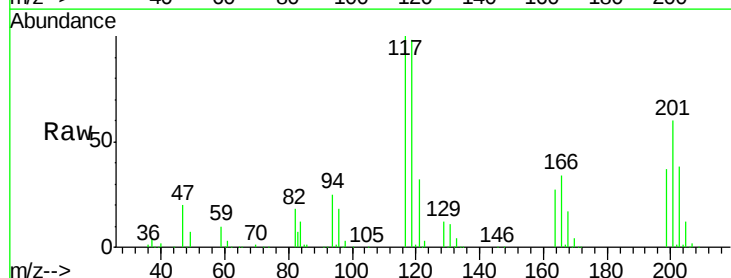
Manual Integrations
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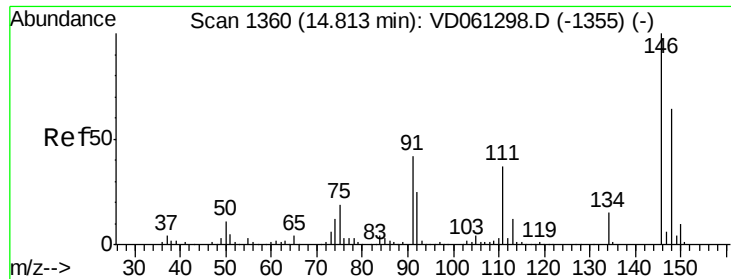
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#90
Hexachloroethane
Concen: 64.881 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 117 Resp: 461595
Ion Ratio Lower Upper
117 100
201 59.9 34.0 101.8





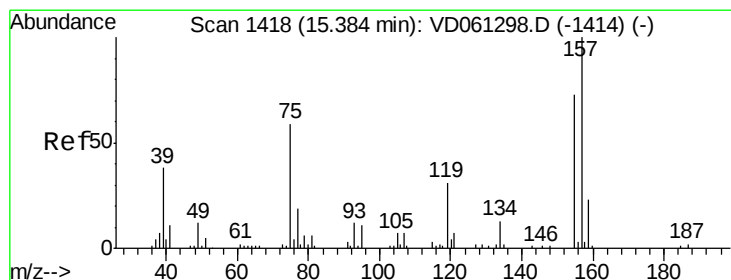
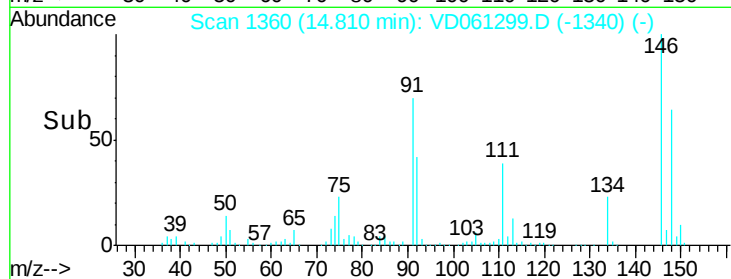
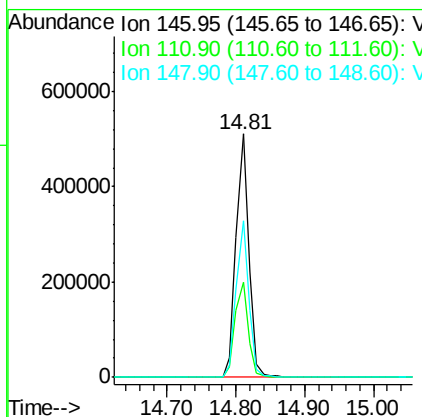
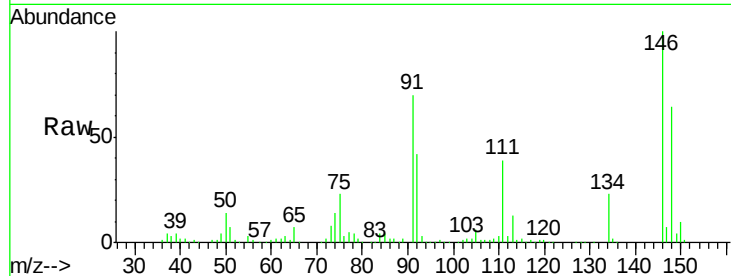
#91
 1,2-Dichlorobenzene
 Concen: 56.189 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.3	54.8
148	64.3	31.9	95.7

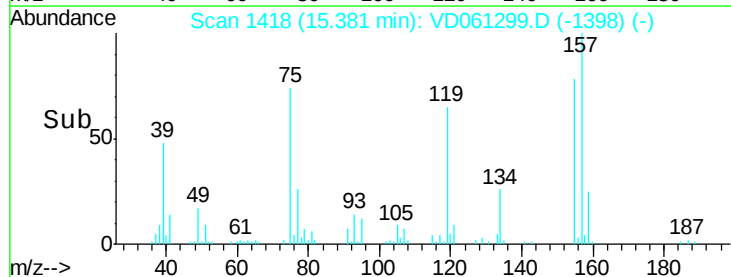
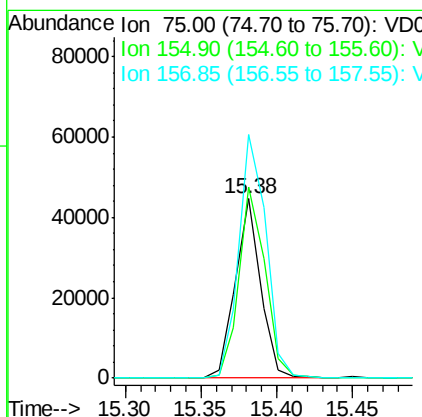
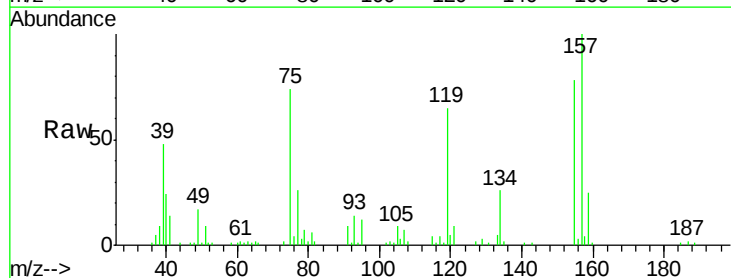
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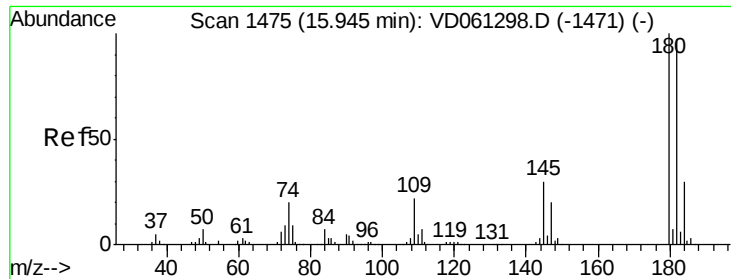
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.845 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.7	61.9	185.7
157	135.9	84.4	253.2





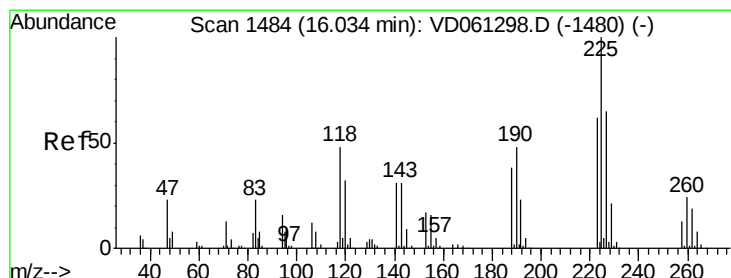
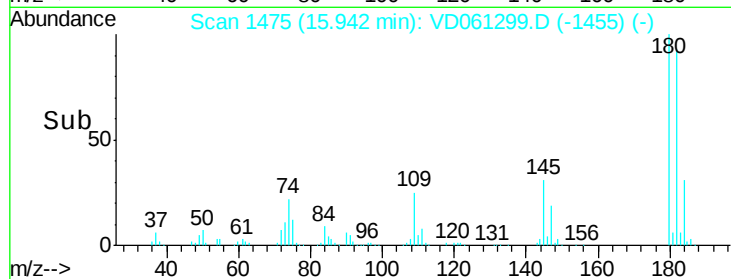
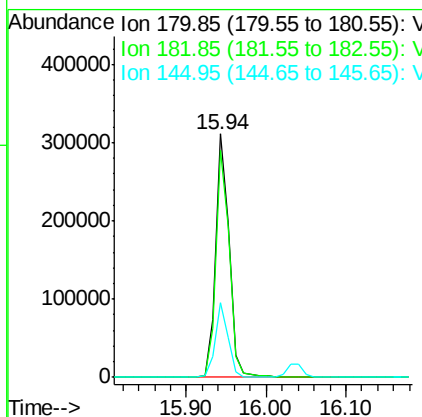
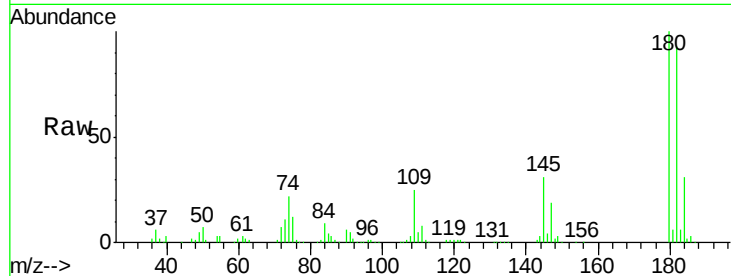
#93
 1,2,4-Trichlorobenzene
 Concen: 69.028 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.3	144.9
145	30.9	14.8	44.4

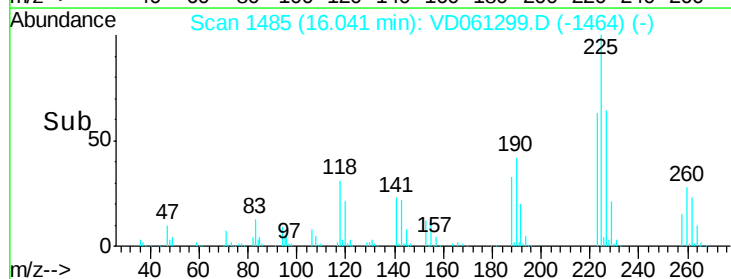
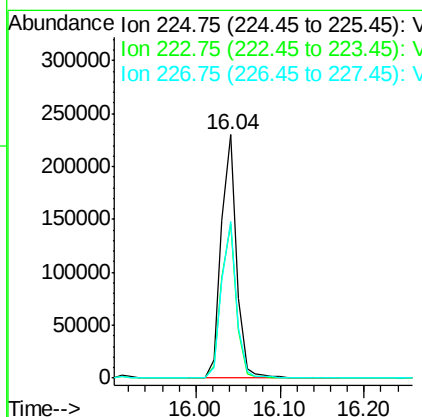
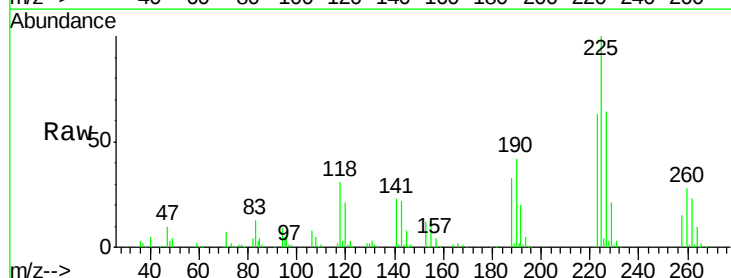
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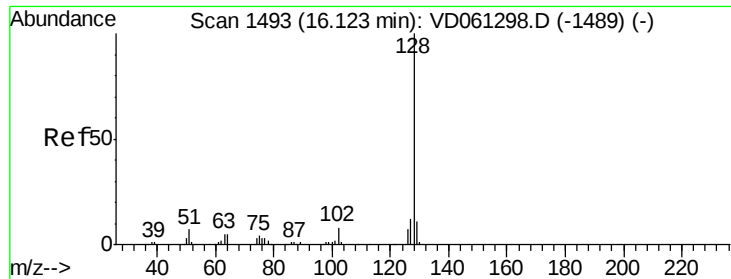
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#94
 Hexachlorobutadiene
 Concen: 66.745 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.9	92.8
227	64.5	32.6	97.7





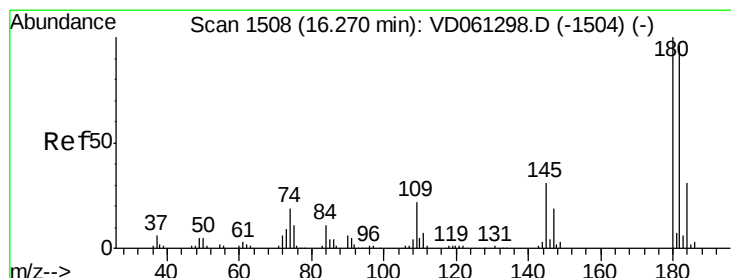
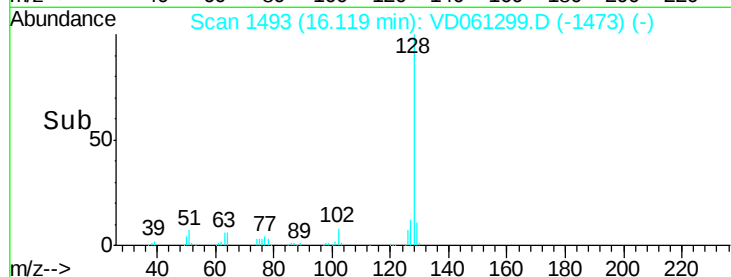
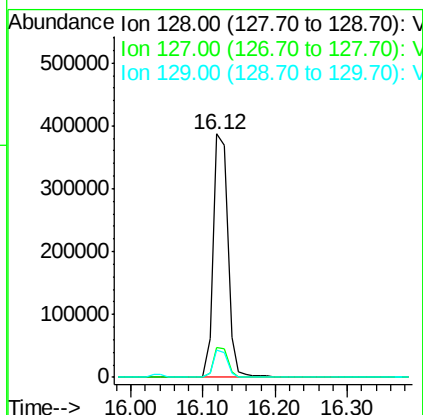
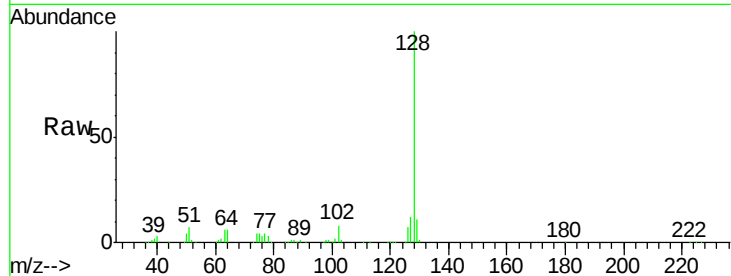
#95
Naphthalene
Concen: 68.459 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	540315		
127	12.4		9.8	14.6
129	11.2		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 74.760 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	188904		
182	93.6		48.0	144.2
145	33.9		15.4	46.4

