

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061335.D
 Acq On : 26 Mar 2019 14:50
 Operator : VA/AP
 Sample : VD0326SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:25 PM

Quant Time: Mar 27 01:59:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	805833	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1306721	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	1073084	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	451663	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	310521	44.66	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.32%	
35) Dibromofluoromethane	6.91	113	496708	49.68	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.40	98	1275925	52.63	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	13.55	95	431548	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	147049	17.848	ug/l	92
3) Chloromethane	1.77	50	127586	19.851	ug/l	96
4) Vinyl Chloride	1.85	62	111804	18.605	ug/l	99
5) Bromomethane	2.15	94	19495	15.983	ug/l	98
6) Chloroethane	2.27	64	26029	13.768	ug/l	99
7) Trichlorofluoromethane	2.53	101	153583	17.290	ug/l	95
8) Diethyl Ether	2.88	74	49722	18.826	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	167326	18.507	ug/l	96
10) Methyl Iodide	3.31	142	193320	15.305	ug/l	94
11) Tert butyl alcohol	4.05	59	36583	98.846	ug/l	97
12) 1,1-Dichloroethene	3.13	96	150789	19.382	ug/l	98
13) Acrolein	3.04	56	38391	94.767	ug/l	99
14) Allyl chloride	3.62	41	201542	18.262	ug/l	99
15) Acrylonitrile	4.19	53	125875	96.709	ug/l	98
16) Acetone	3.22	43	136563	82.119	ug/l	96
17) Carbon Disulfide	3.38	76	480469	18.596	ug/l	99
18) Methyl Acetate	3.64	43	61284	19.496	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	259789	18.961	ug/l	98
20) Methylene Chloride	3.81	84	181522	19.232	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	158416	18.202	ug/l	98
22) Diisopropyl ether	5.11	45	435680	18.740	ug/l	97
23) Vinyl Acetate	5.05	43	1158581	93.306	ug/l	100
24) 1,1-Dichloroethane	4.98	63	254910	18.815	ug/l	98
25) 2-Butanone	6.06	43	191672	99.648	ug/l	98
26) 2,2-Dichloropropane	6.02	77	206563	17.956	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	180558	19.278	ug/l	97
28) Bromochloromethane	6.43	49	112418	19.824	ug/l	98
29) Tetrahydrofuran	6.45	42	96977	101.290	ug/l	99
30) Chloroform	6.66	83	271466	18.803	ug/l	99
31) Cyclohexane	6.94	56	198379	18.041	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	237881	18.604	ug/l	97
36) 1,1-Dichloropropene	7.14	75	206660	19.330	ug/l	97
37) Ethyl Acetate	6.18	43	90201m	20.200	ug/l	
38) Carbon Tetrachloride	7.10	117	225664	18.468	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	202880	18.323	ug/l	98
40) Benzene	7.46	78	485051	18.268	ug/l	98
41) Methacrylonitrile	6.43	41	102792	19.809	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	153973	18.607	ug/l	98
43) Isopropyl Acetate	9.23	43	133459	20.728	ug/l #	97
44) Trichloroethene	8.54	130	182617	19.017	ug/l	95
45) 1,2-Dichloropropane	8.93	63	127468	19.451	ug/l	96
46) Dibromomethane	9.05	93	85211	18.970	ug/l	97
47) Bromodichloromethane	9.36	83	194909	18.512	ug/l	99
48) Methyl methacrylate	9.11	41	71971	20.943	ug/l	98
49) 1,4-Dioxane	9.07	88	15285	405.375	ug/l #	85
51) 4-Methyl-2-Pentanone	10.29	43	397499	103.707	ug/l	99
52) Toluene	10.50	92	320745	19.742	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	177639	19.414	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	211975	18.972	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	111868	20.740	ug/l	97
56) Ethyl methacrylate	11.03	69	117690	20.448	ug/l	97
57) 1,3-Dichloropropane	11.40	76	157779	19.369	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	337558	112.734	ug/l	98
59) 2-Hexanone	11.52	43	298614	107.268	ug/l	98
60) Dibromochloromethane	11.68	129	170392	20.170	ug/l	95
61) 1,2-Dibromoethane	11.80	107	131419	20.853	ug/l	99
64) Tetrachloroethene	11.25	164	148238	20.053	ug/l	94
65) Chlorobenzene	12.40	112	388340	19.648	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	149907	19.562	ug/l	97
67) Ethyl Benzene	12.52	91	608294	20.110	ug/l	97
68) m/p-Xylenes	12.66	106	448216	37.960	ug/l	98
69) o-Xylene	13.05	106	220621	20.146	ug/l	97
70) Styrene	13.07	104	375197	20.188	ug/l	97
71) Bromoform	13.23	173	91185	19.445	ug/l	96
73) Isopropylbenzene	13.40	105	539433	18.362	ug/l	100
74) N-amyl acetate	13.26	43	145414	18.920	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	124662	21.882	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	116176	20.683	ug/l	95
77) Bromobenzene	13.67	156	169850	20.699	ug/l	95
78) n-propylbenzene	13.77	91	732338	22.096	ug/l	100
79) 2-Chlorotoluene	13.83	91	394248	20.430	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	466460	20.128	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	37061	20.907	ug/l	95
82) 4-Chlorotoluene	13.94	91	433745	20.560	ug/l	100
83) tert-Butylbenzene	14.19	119	543066	20.523	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	466460	20.128	ug/l	96
85) sec-Butylbenzene	14.37	105	613463	20.818	ug/l	99
86) p-Isopropyltoluene	14.48	119	525241	19.978	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	290217	19.953	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	282920	20.080	ug/l	99
89) n-Butylbenzene	14.80	91	497056	21.295	ug/l	95
90) Hexachloroethane	15.01	117	135620	19.240	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	258014	22.231	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13811	19.401	ug/l	87

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ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Mar 26 03:31:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	114629	21.385	ug/l	98
94) Hexachlorobutadiene	16.03	225	81213	18.804	ug/l	97
95) Naphthalene	16.12	128	186732	23.876	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	44468	17.762	ug/l	99

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

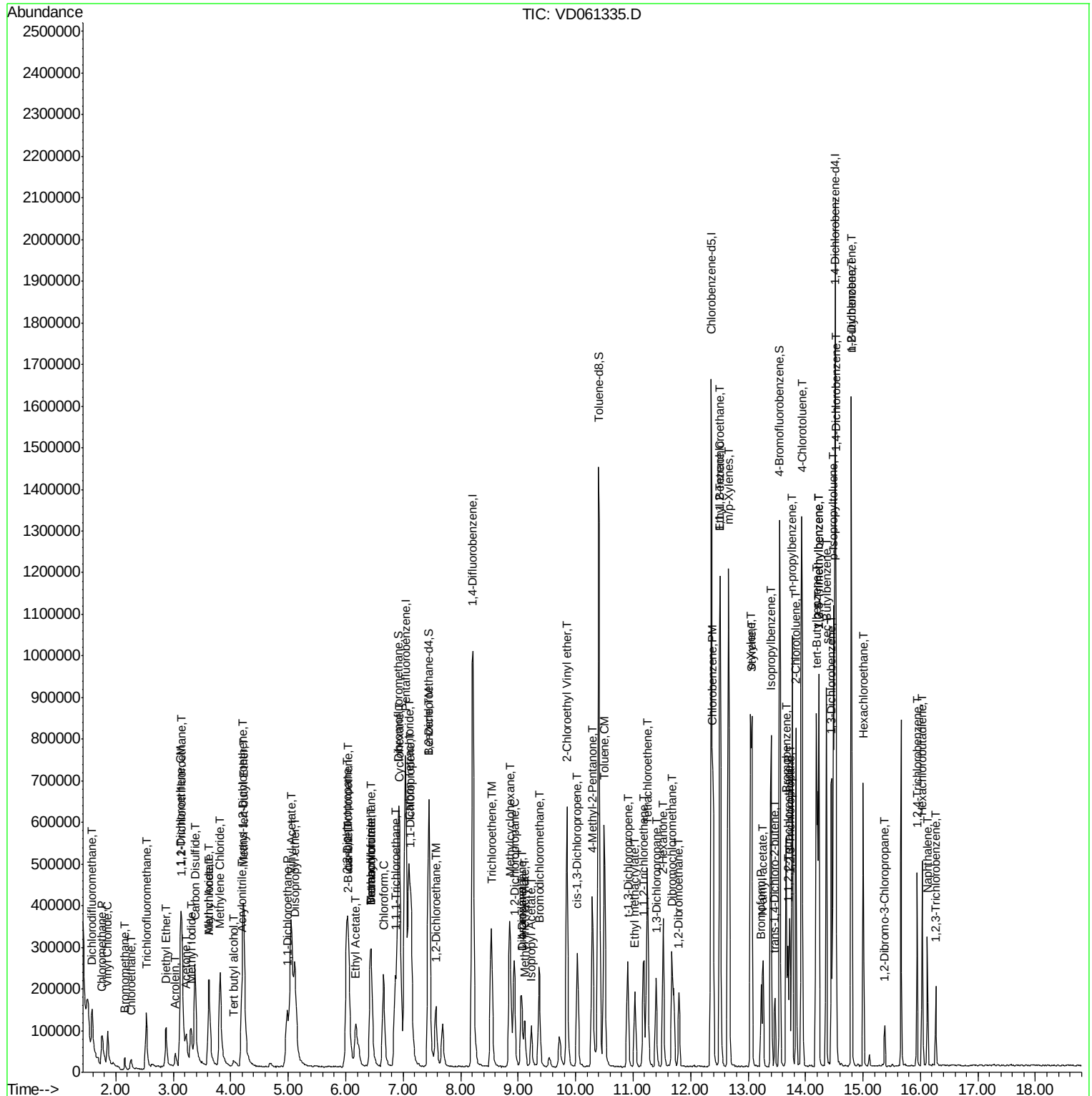
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061335.D
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 Operator : VA/AP
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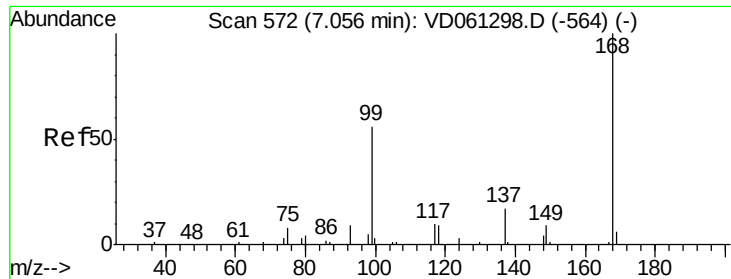
Instrument :
 MSVOA_D
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion:168 Resp: 805833

Ion Ratio Lower Upper

168 100

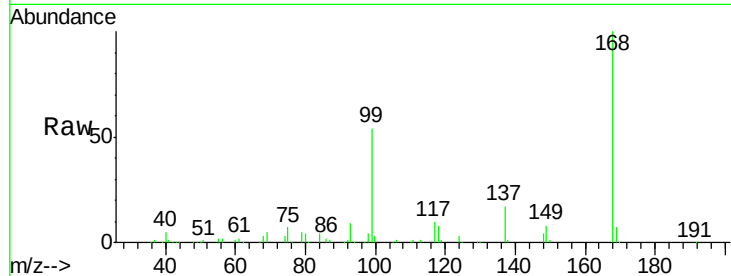
99 54.4 45.8 68.8

Manual Integrations

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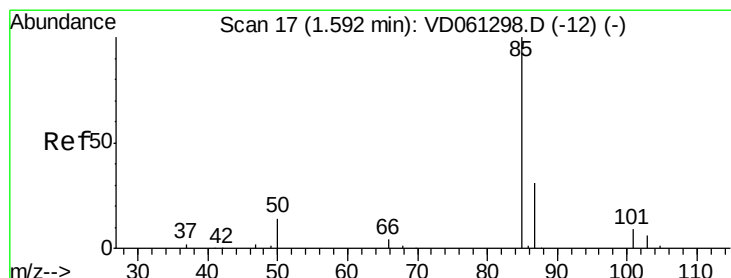
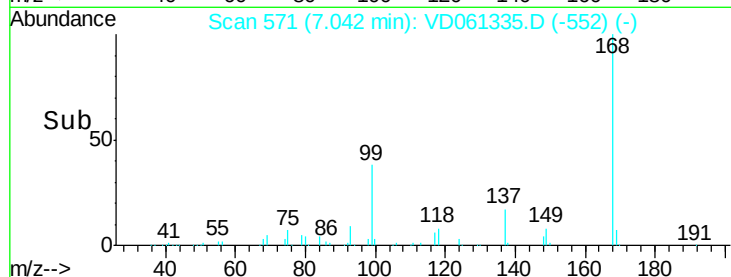
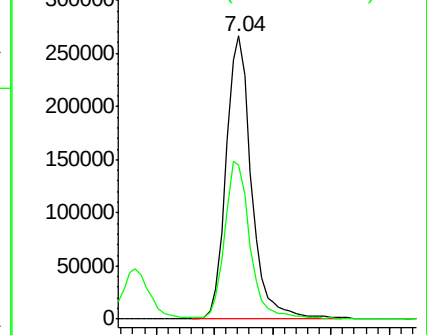
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.848 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061335.D

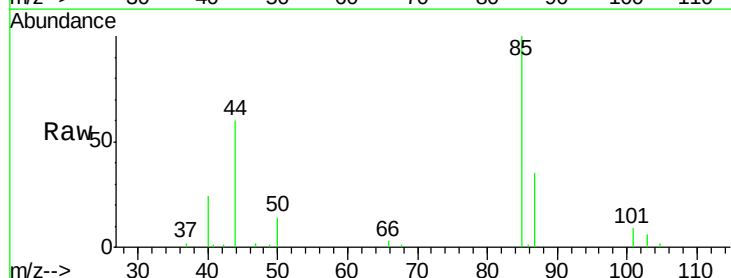
Acq: 26 Mar 2019 14:50

Tgt Ion: 85 Resp: 147049

Ion Ratio Lower Upper

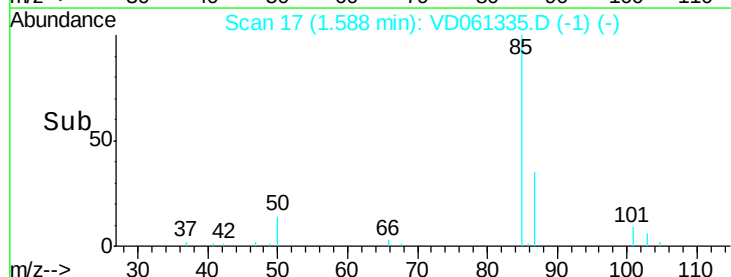
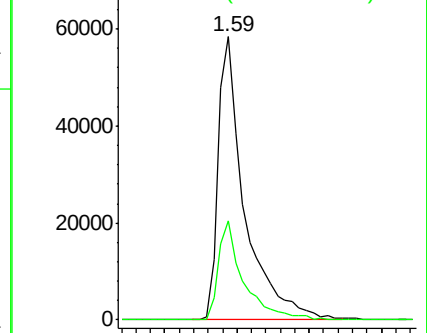
85 100

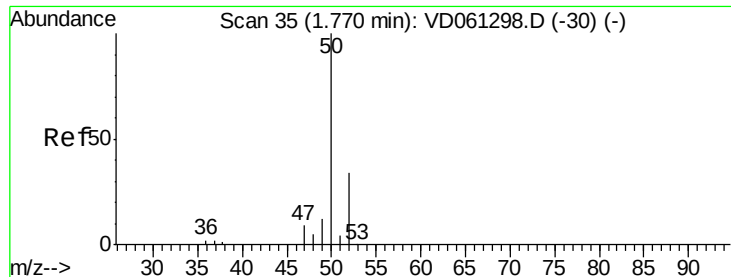
87 35.2 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.851 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 50 Resp: 127586

Ion Ratio Lower Upper

50 100

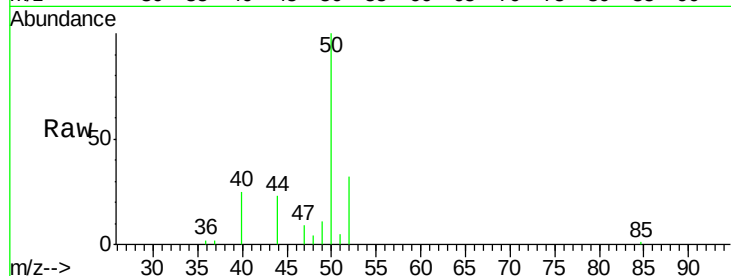
52 31.8 27.1 40.7

Manual Integrations

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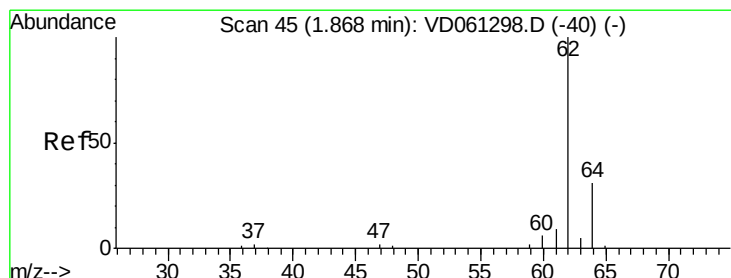
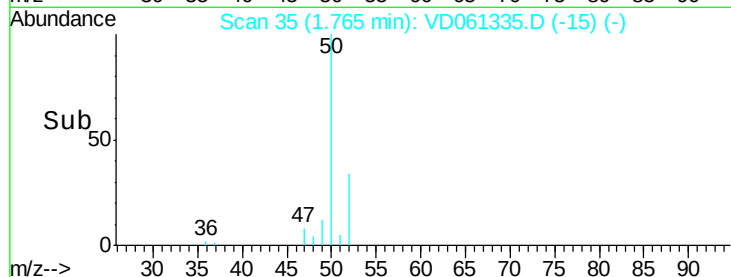
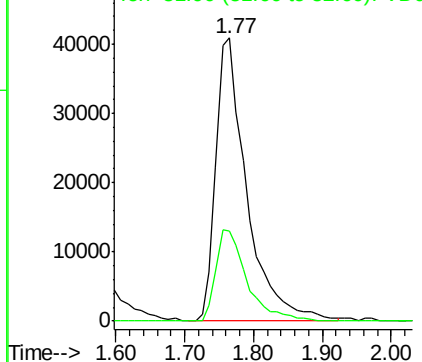
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.605 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061335.D

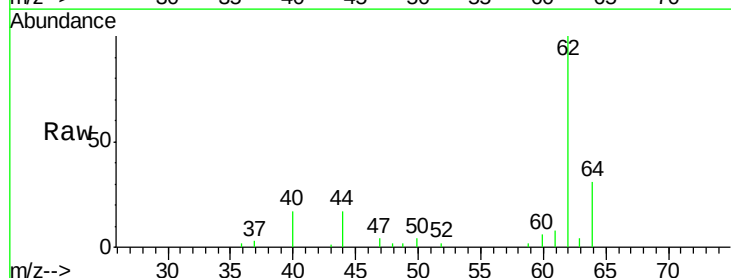
Acq: 26 Mar 2019 14:50

Tgt Ion: 62 Resp: 111804

Ion Ratio Lower Upper

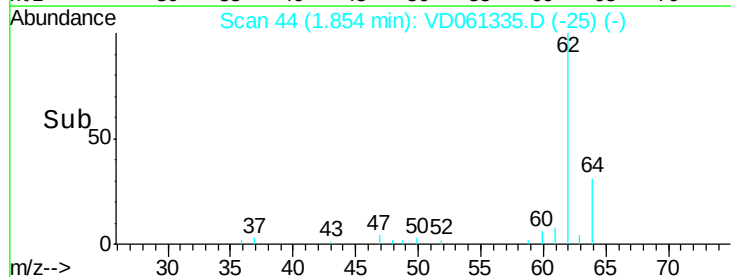
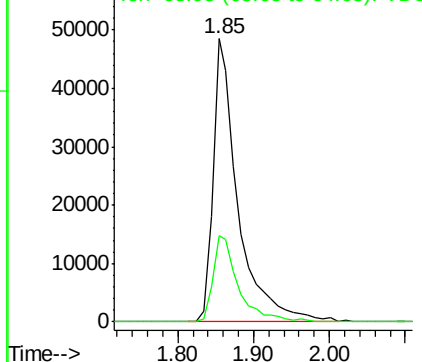
62 100

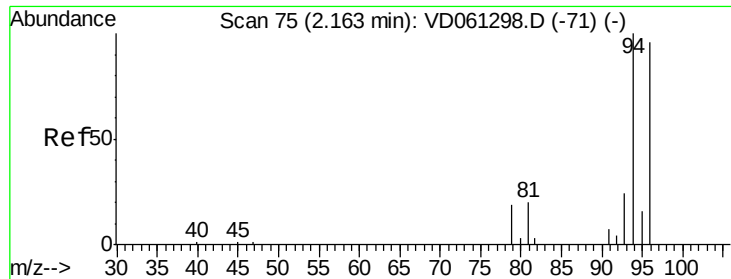
64 30.6 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.983 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

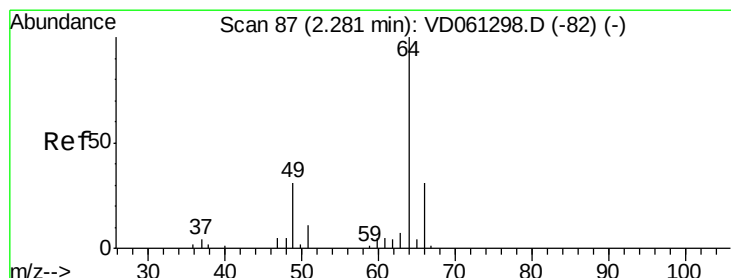
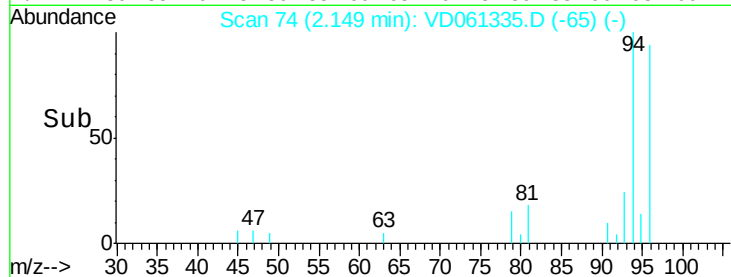
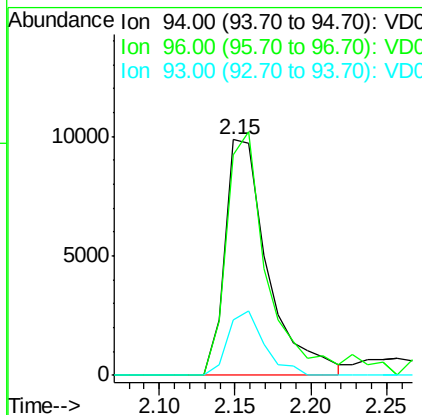
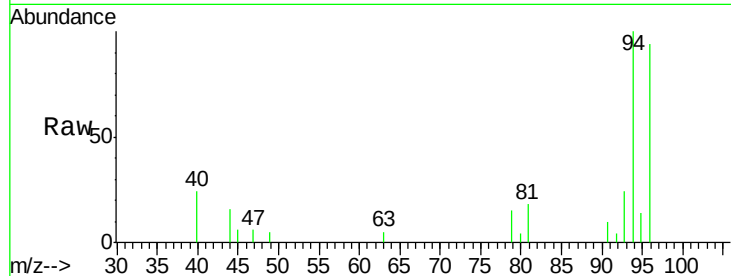
ClientSampleId :

VD0326SBS01

Tot Ion:	94	Resp:	19495
Ion	Ratio	Lower	Upper
94	100		
96	93.7	76.9	115.3
93	23.6	18.8	28.2

Manual Integrations
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#6

Chloroethane

Concen: 13.768 ug/l

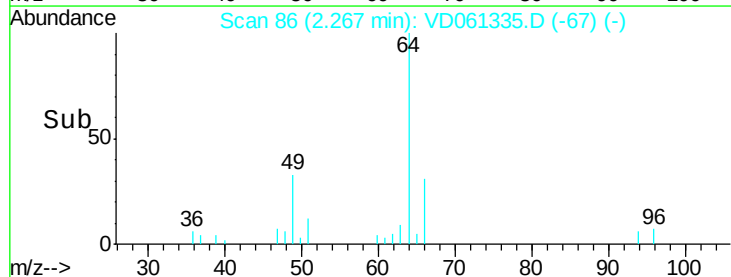
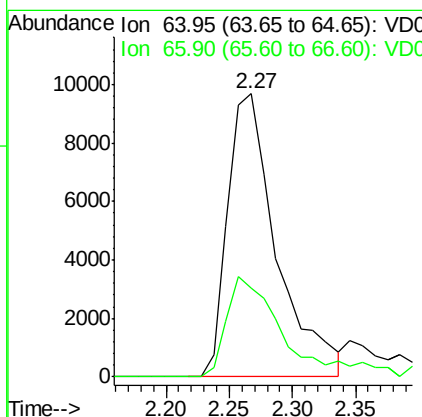
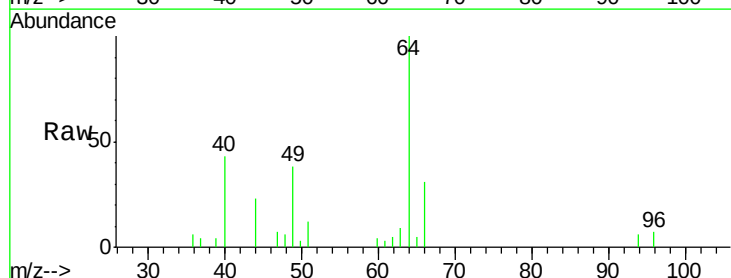
RT: 2.27 min Scan# 86

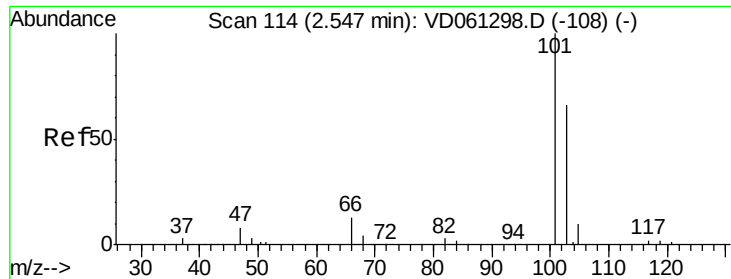
Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Tgt Ion:	64	Resp:	26029
Ion	Ratio	Lower	Upper
64	100		
66	31.2	24.6	36.8





#7

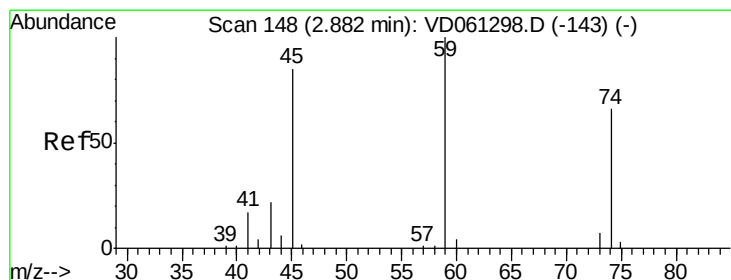
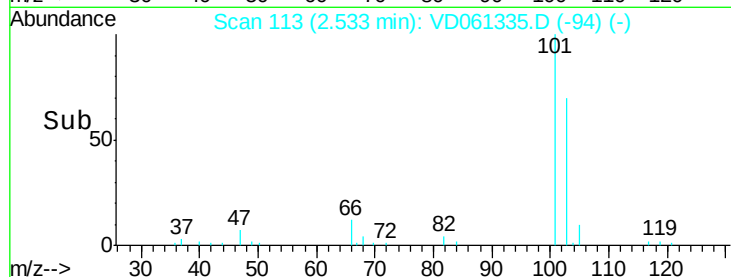
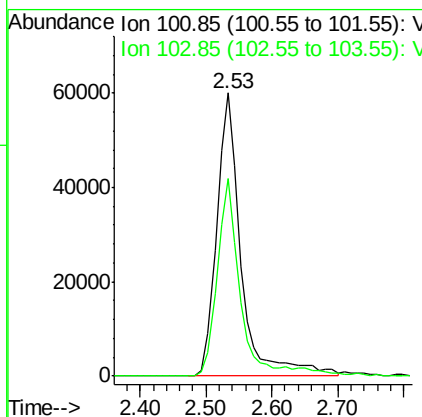
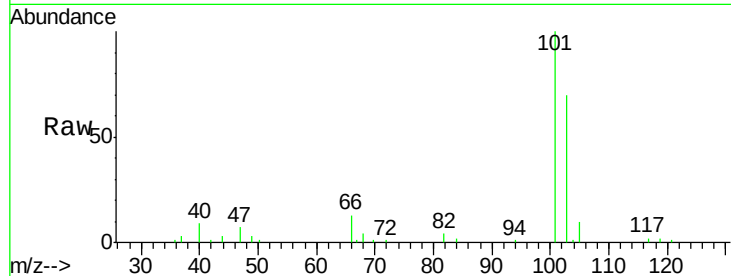
Trichlorofluoromethane
 Concen: 17.290 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.8	52.6	79.0

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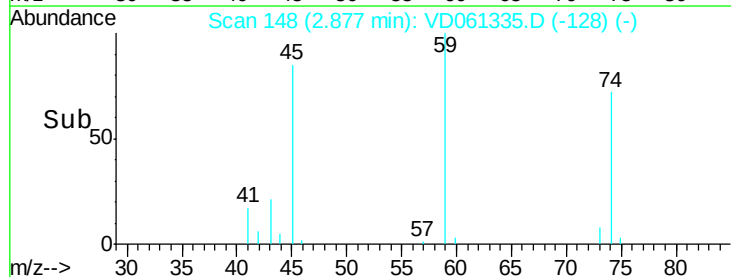
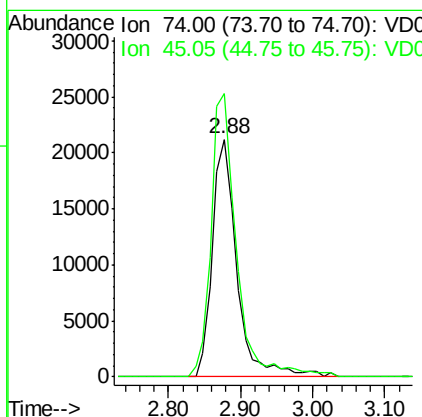
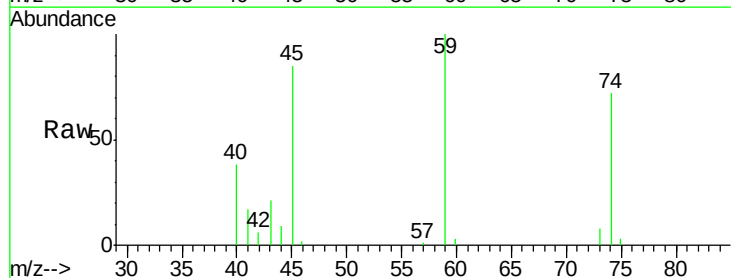
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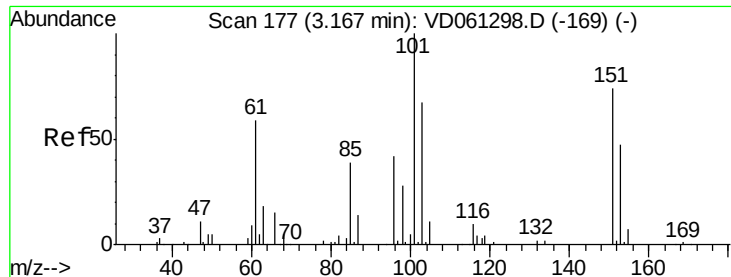


#8

Diethyl Ether
 Concen: 18.826 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.0	64.3	192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.507 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

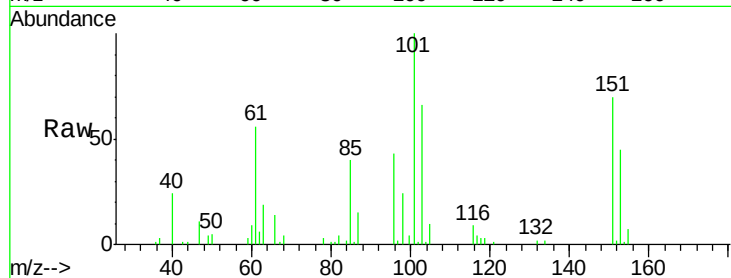
ClientSampleId :

VD0326SBS01

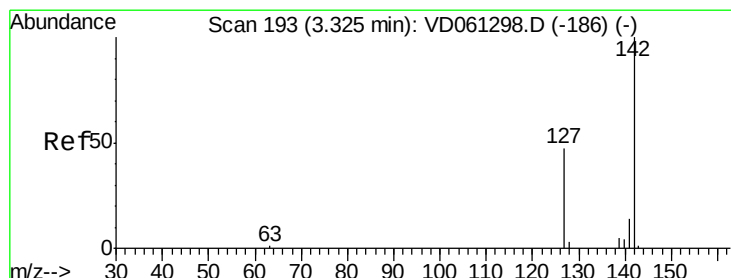
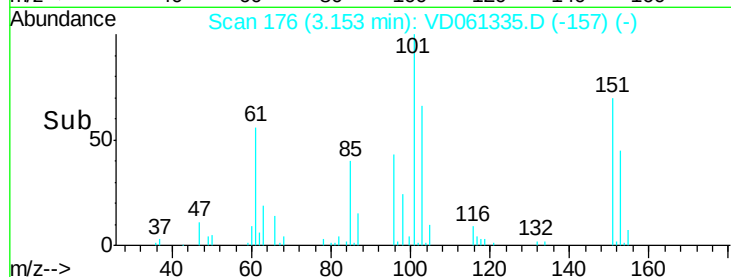
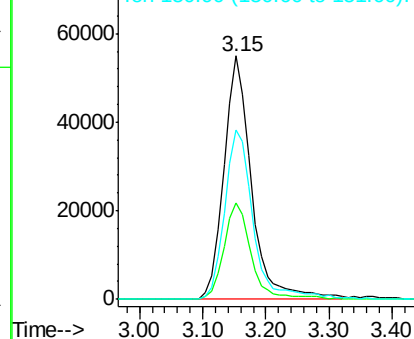
Tot Ion:	101	Resp:	167326
Ion Ratio	Lower	Upper	
101	100		
85	39.9	31.6	47.4
151	69.6	59.3	88.9

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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: 15.305 ug/l

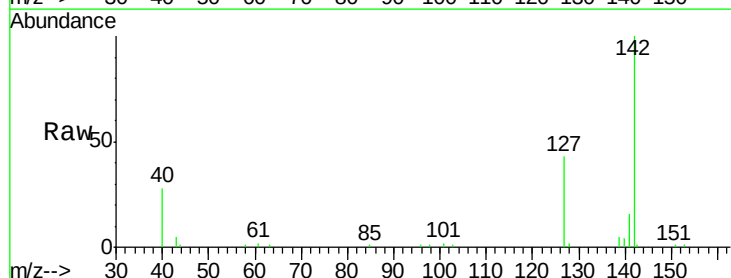
RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

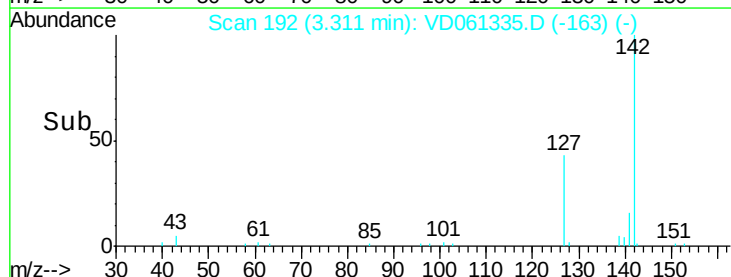
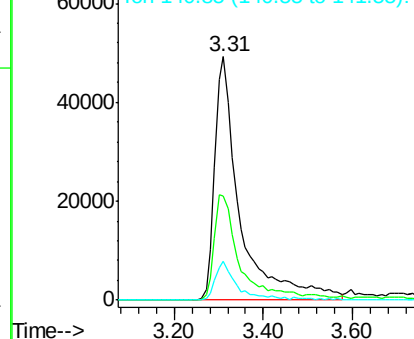
Lab File: VD061335.D

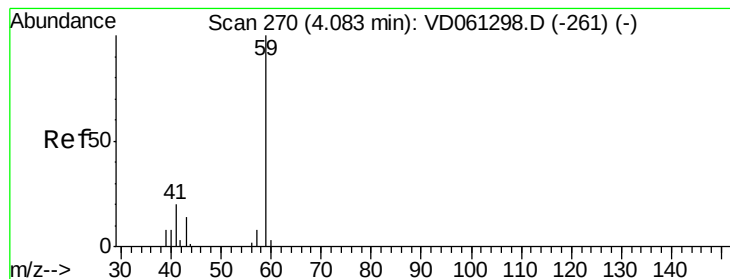
Acq: 26 Mar 2019 14:50

Tgt Ion:	142	Resp:	193320
Ion Ratio	Lower	Upper	
142	100		
127	42.7	37.8	56.6
141	16.0	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

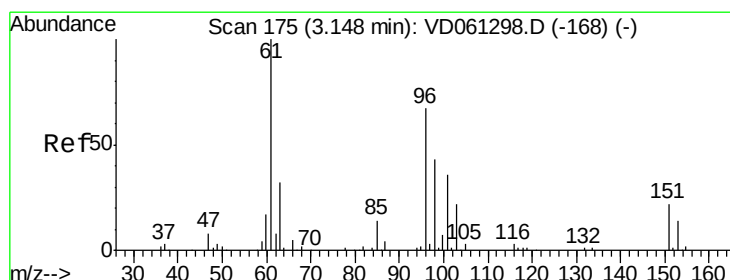
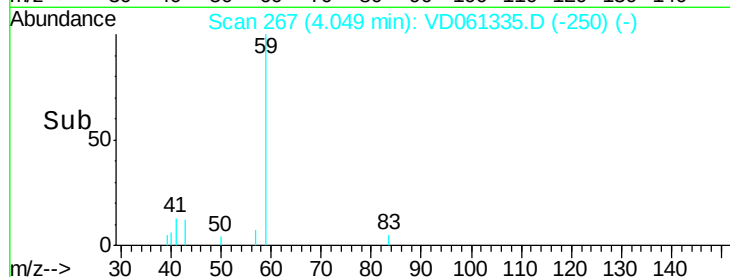
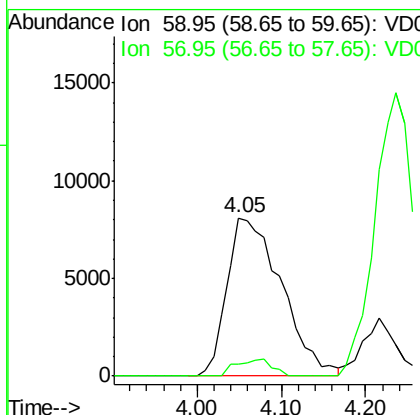
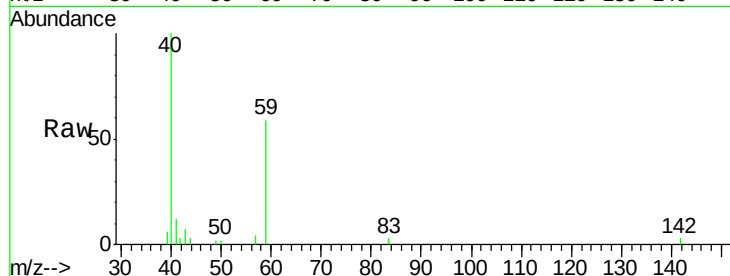
Tert butyl alcohol
Concen: 98.846 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion: 59 Resp: 36583
Ion Ratio Lower Upper
59 100
57 7.2 6.6 9.8

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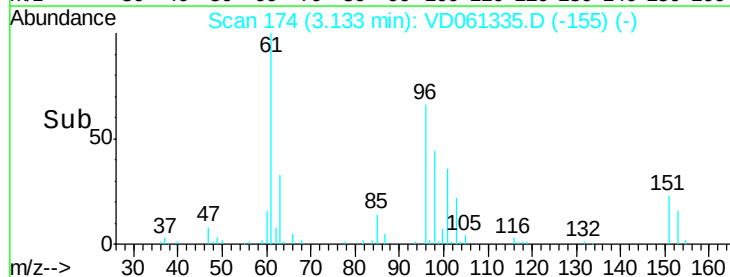
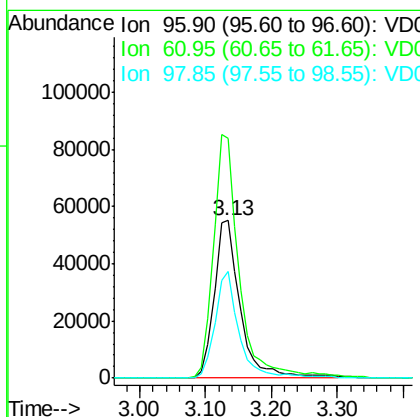
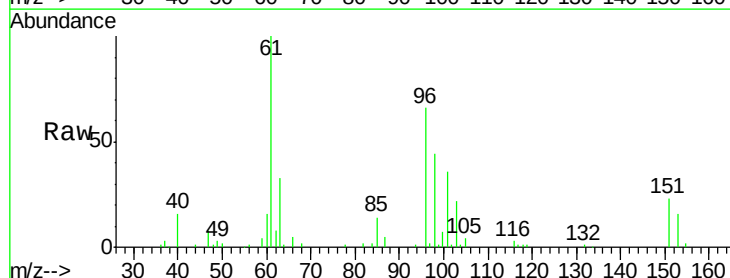
MMDadoda
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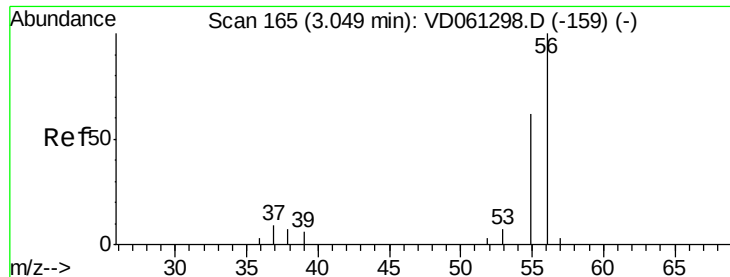


#12

1,1-Dichloroethene
Concen: 19.382 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion: 96 Resp: 150789
Ion Ratio Lower Upper
96 100
61 152.4 120.2 180.2
98 67.5 52.2 78.4





#13

Acrolein

Concen: 94.767 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 56 Resp: 38391

Ion Ratio Lower Upper

56 100

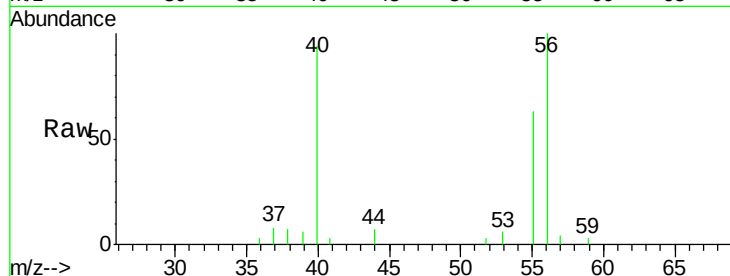
55 62.9 49.8 74.6

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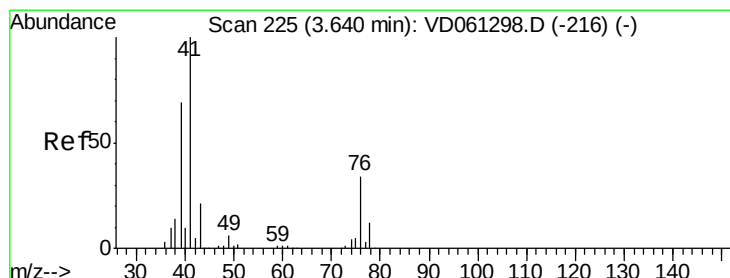
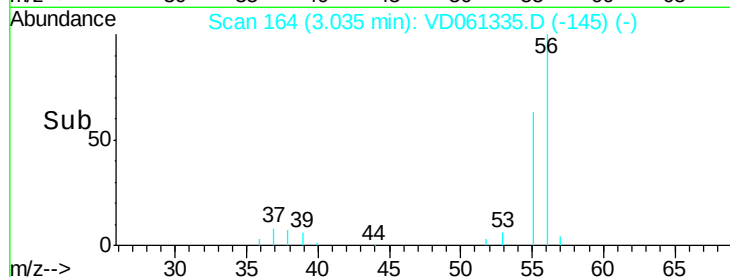
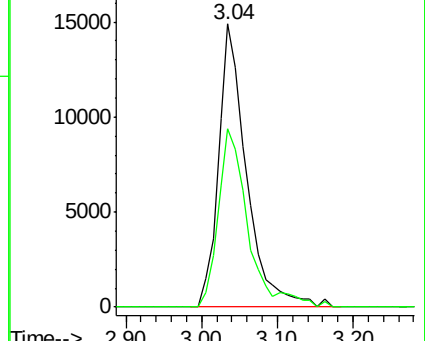
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.262 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

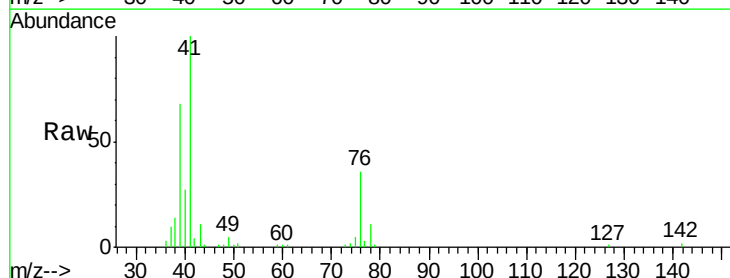
Tgt Ion: 41 Resp: 201542

Ion Ratio Lower Upper

41 100

39 68.2 55.1 82.7

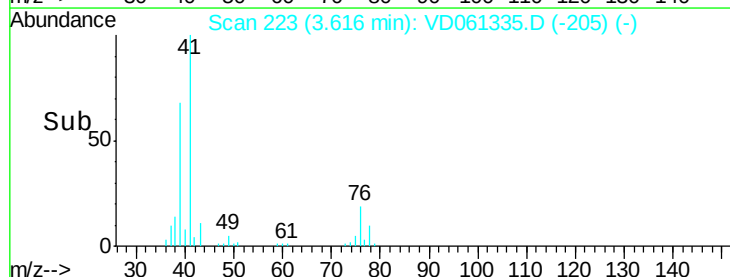
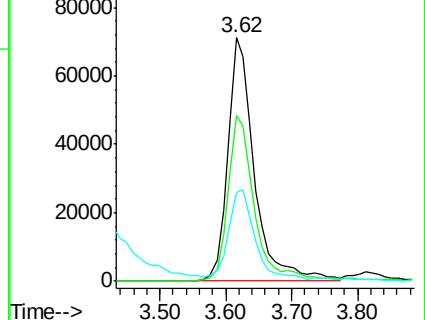
76 36.4 30.2 45.2

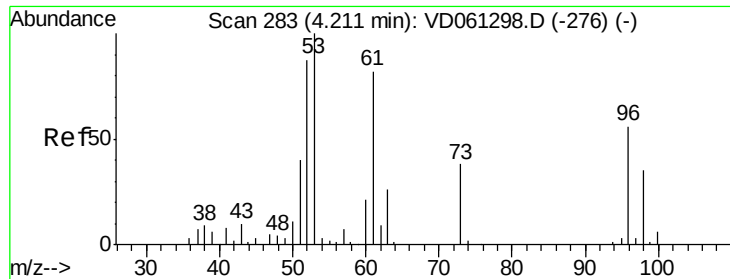


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 96.709 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

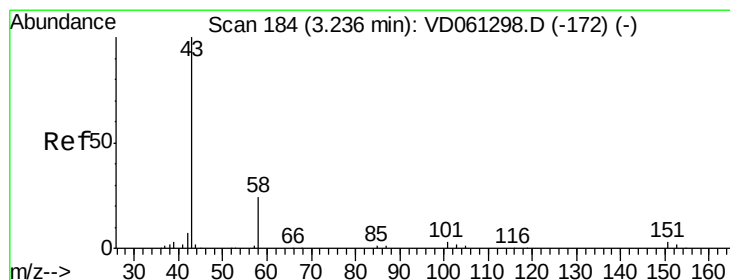
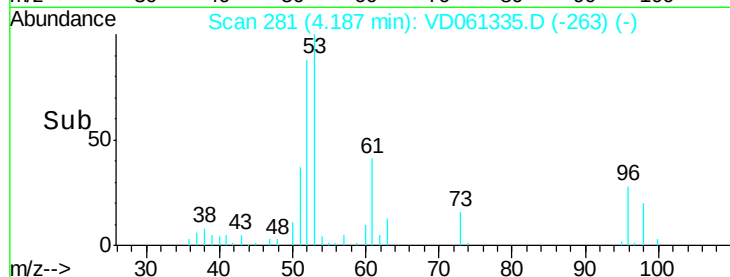
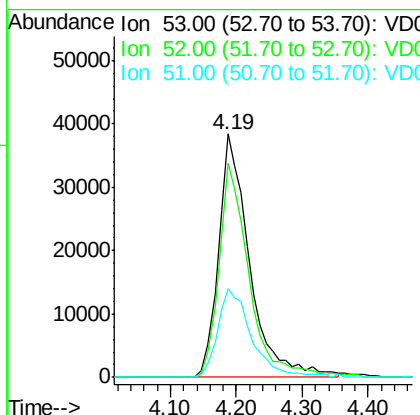
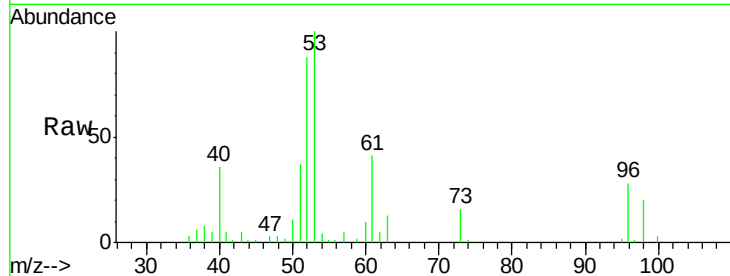
ClientSampleId :

VD0326SBS01

Tot Ion:	53	Resp:	125875
Ion Ratio	Lower	Upper	
53	100		
52	87.8	69.4	104.2
51	36.6	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 82.119 ug/l

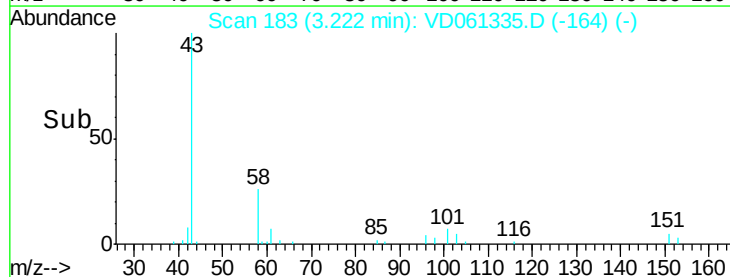
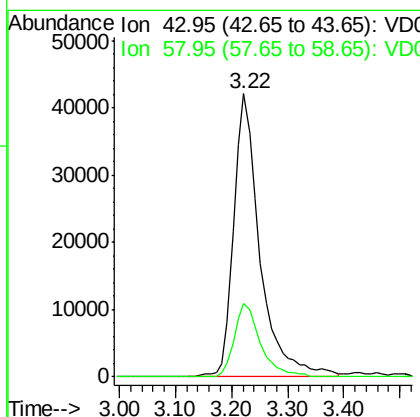
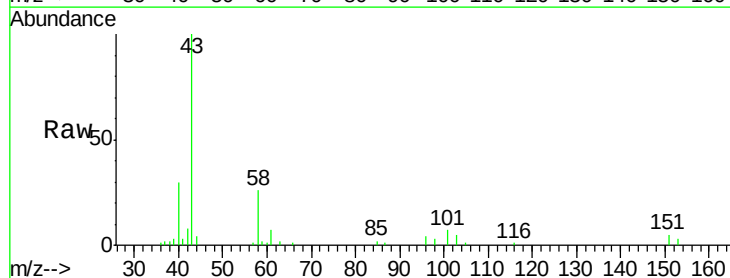
RT: 3.22 min Scan# 183

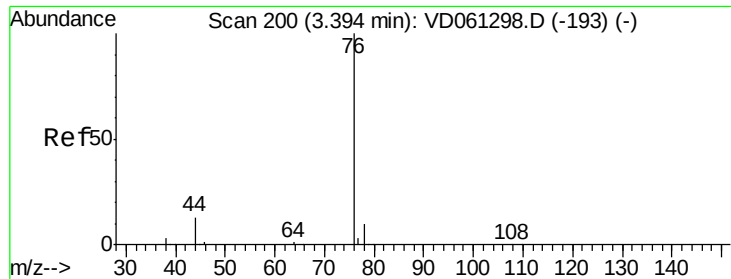
Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Tgt Ion:	43	Resp:	136563
Ion Ratio	Lower	Upper	
43	100		
58	26.1	19.4	29.0





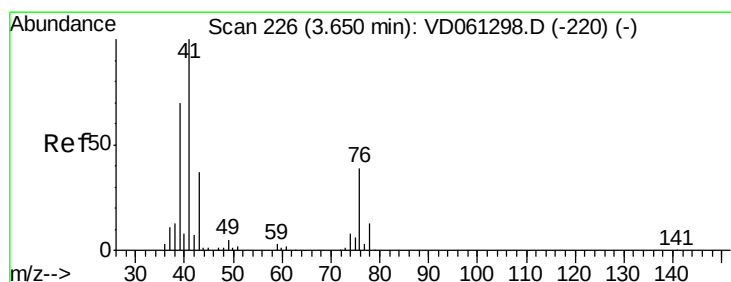
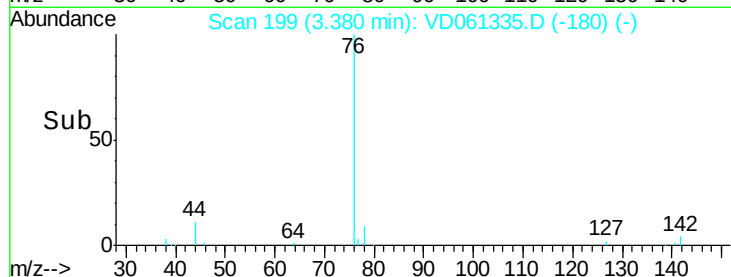
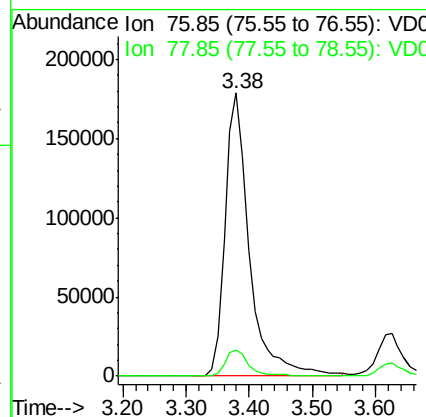
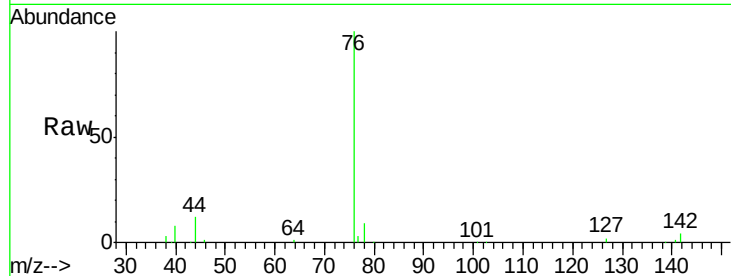
#17
Carbon Disulfide
Concen: 18.596 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.8	11.6

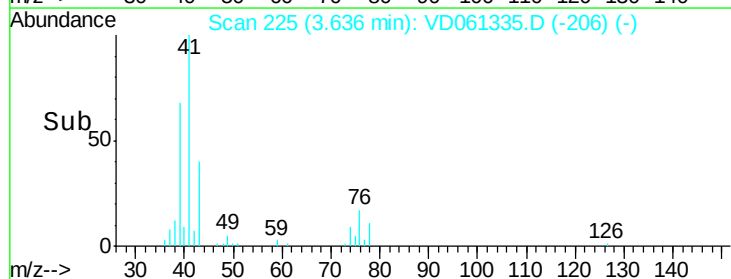
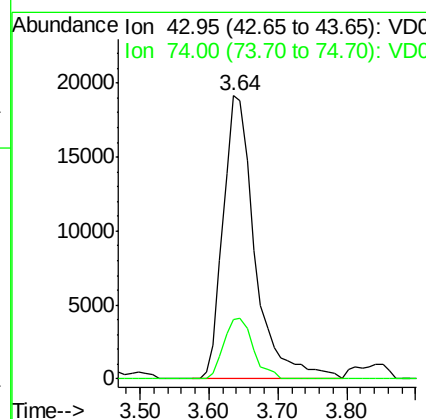
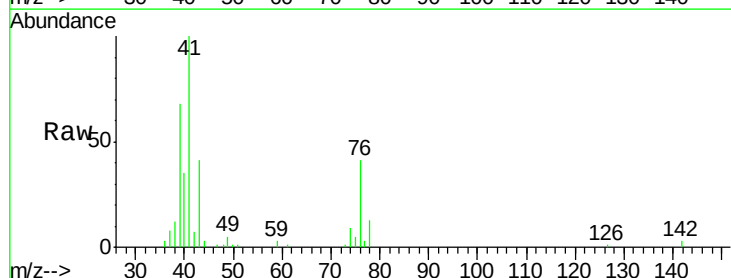
Manual Integrations
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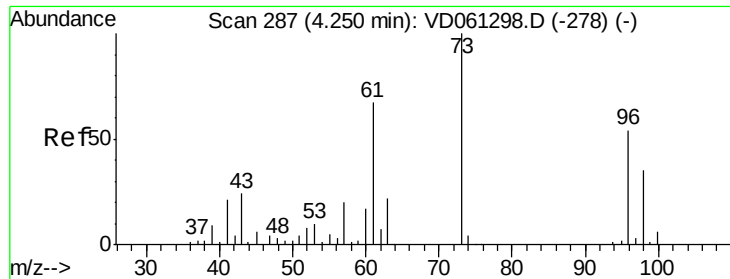
MMDadoda
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#18
Methyl Acetate
Concen: 19.496 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.6	25.0





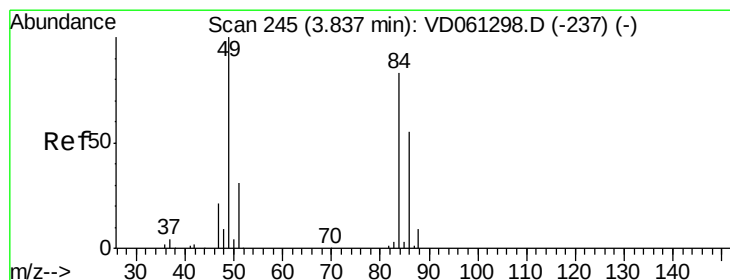
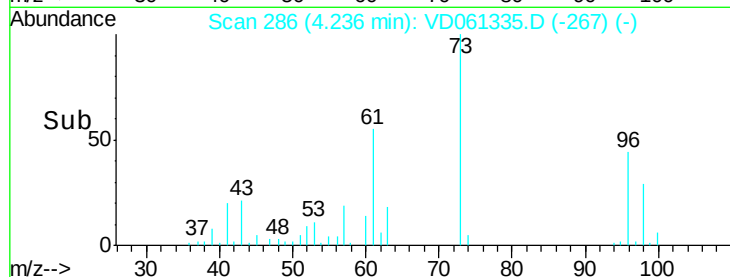
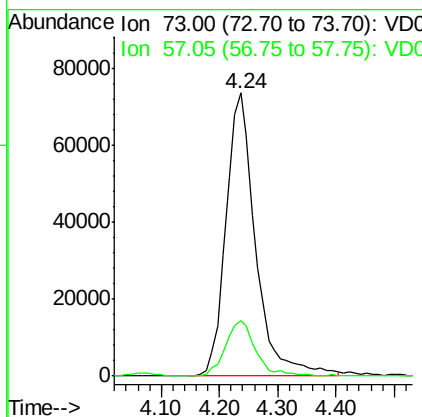
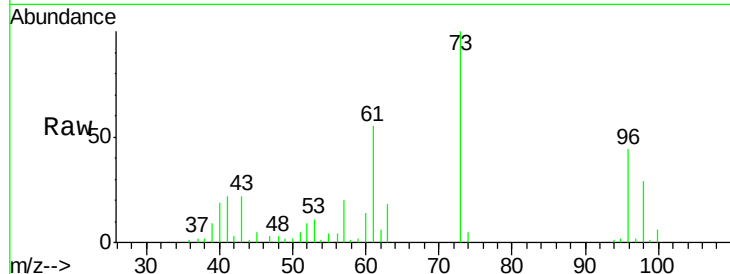
#19
Methyl tert-butyl Ether
Concen: 18.961 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion: 73 Resp: 259789
Ion Ratio Lower Upper
73 100
57 19.7 16.3 24.5

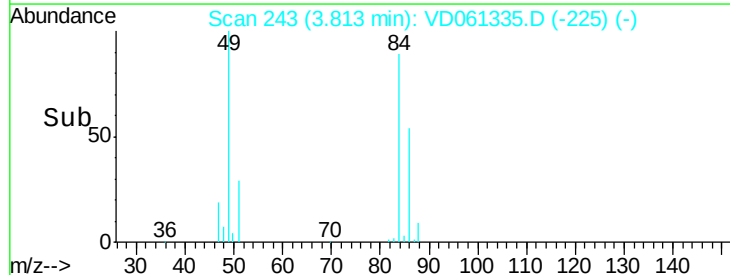
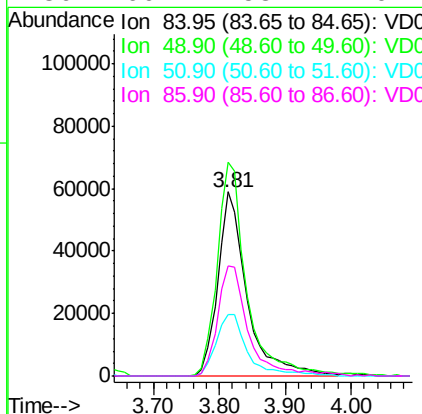
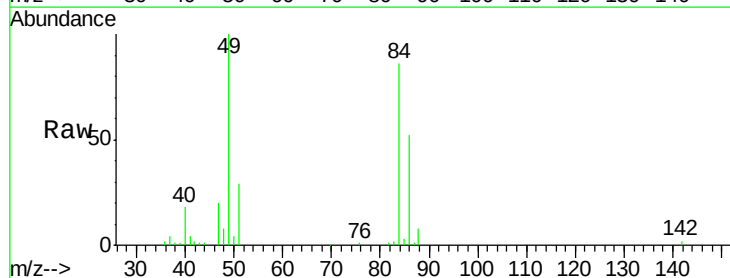
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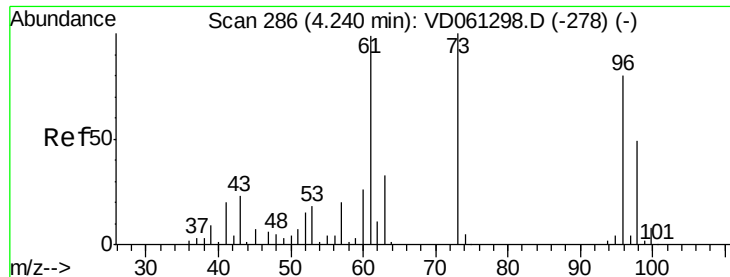
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#20
Methylene Chloride
Concen: 19.232 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.02 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion: 84 Resp: 181522
Ion Ratio Lower Upper
84 100
49 116.0 96.8 145.2
51 33.4 29.9 44.9
86 60.2 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 18.202 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.02 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

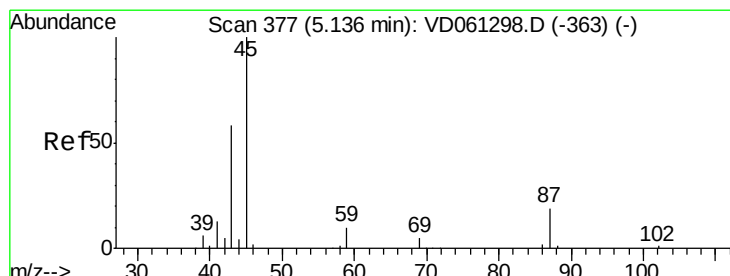
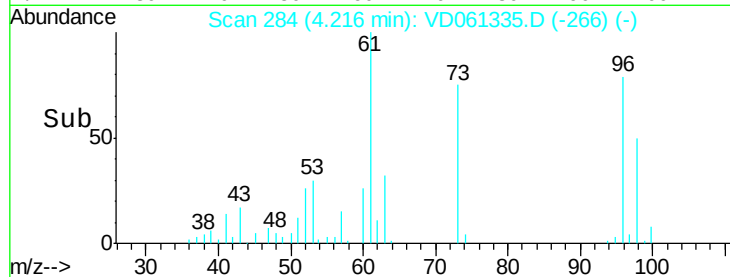
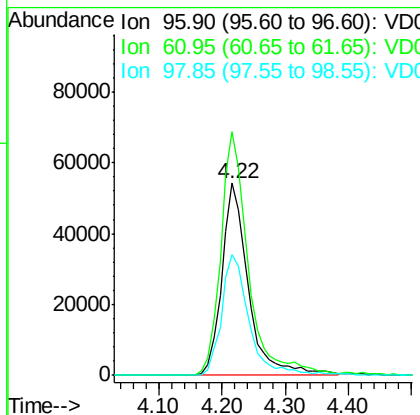
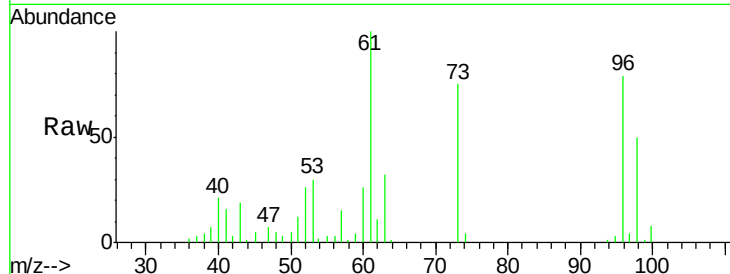
ClientSampleId :

VD0326SBS01

Tot Ion:	96	Resp:	158416
Ion	Ratio	Lower	Upper
96	100		
61	126.8	99.2	148.8
98	62.9	49.2	73.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.740 ug/l

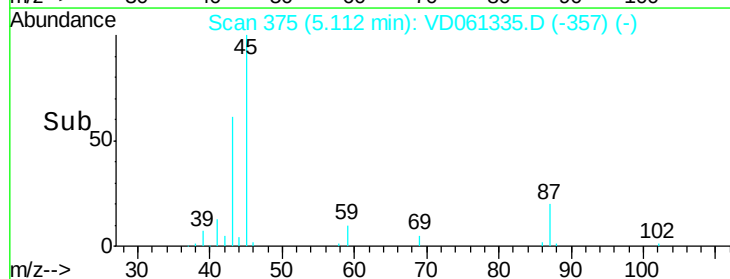
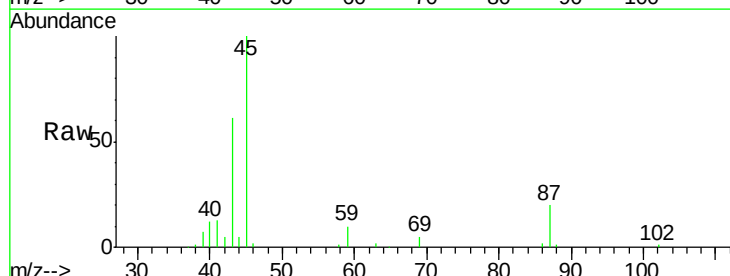
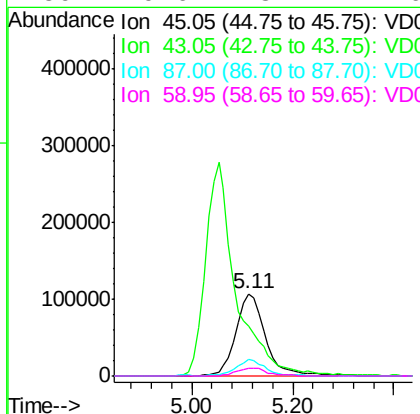
RT: 5.11 min Scan# 375

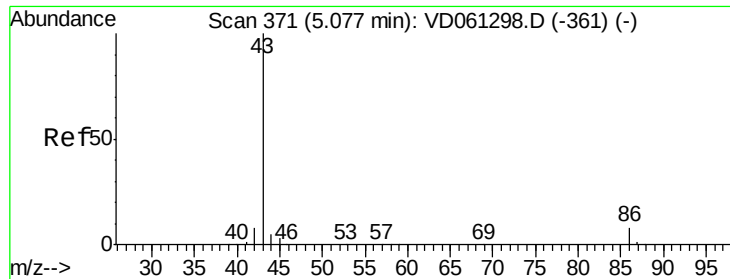
Delta R.T. -0.02 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Tgt Ion:	45	Resp:	435680
Ion	Ratio	Lower	Upper
45	100		
43	60.6	46.7	70.1
87	20.5	15.5	23.3
59	9.6	8.4	12.6





#23

Vinyl Acetate

Concen: 93.306 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 43 Resp: 1158581

Ion Ratio Lower Upper

43 100

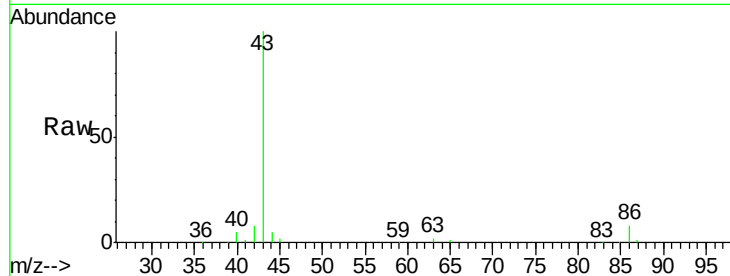
86 7.8 6.3 9.5

Manual Integrations

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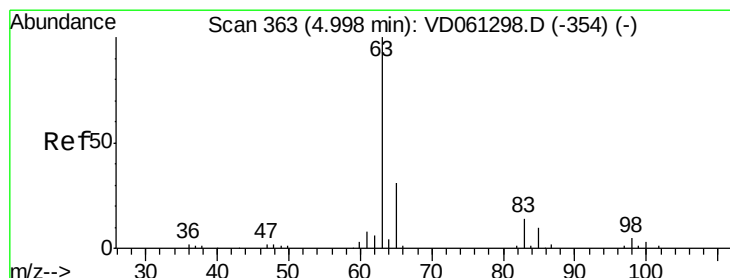
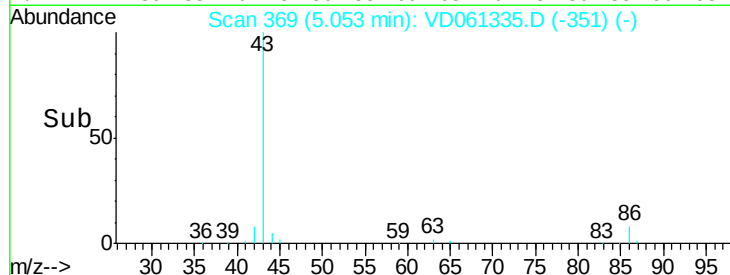
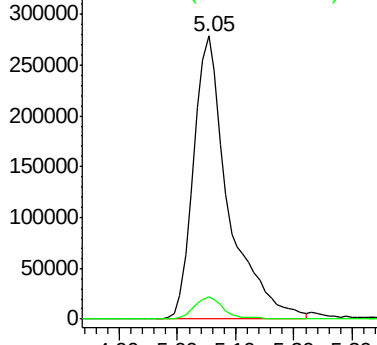
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.815 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

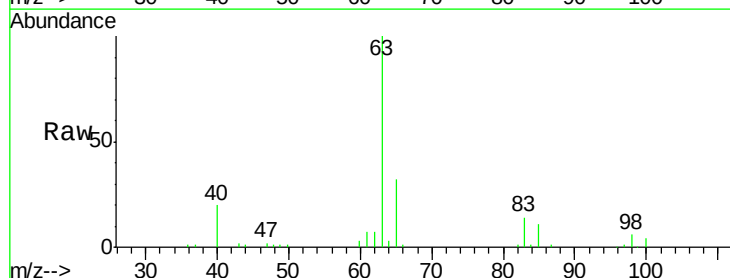
Tgt Ion: 63 Resp: 254910

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.3

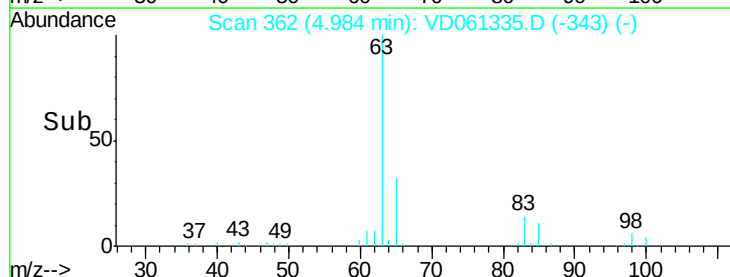
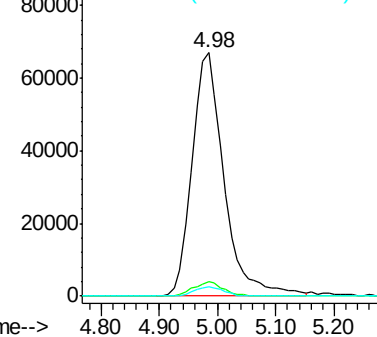
100 4.0 1.6 4.8

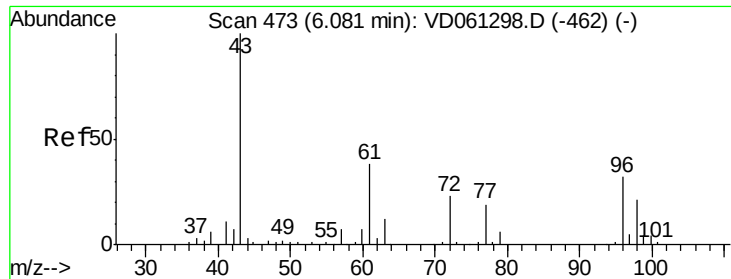


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 99.648 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 43 Resp: 191672

Ion Ratio Lower Upper

43 100

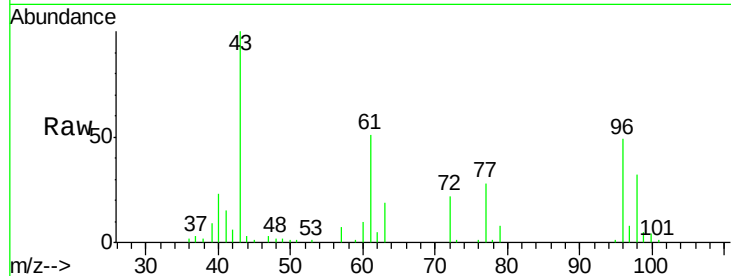
72 21.9 18.5 27.7

Manual Integrations

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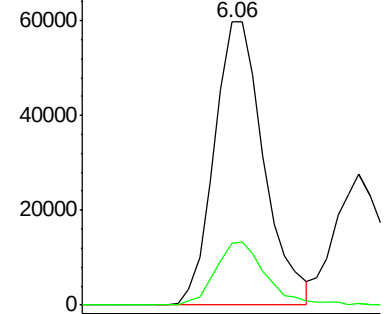
MMDadoda

3/27/2019 12:02:25 PM

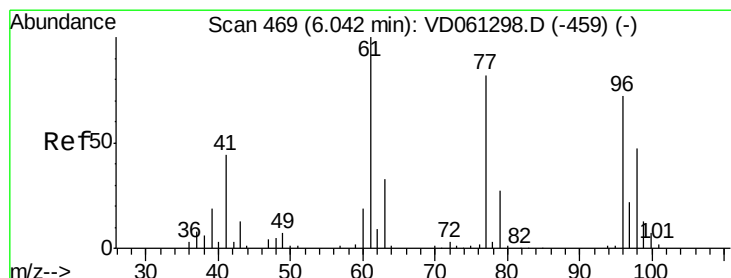
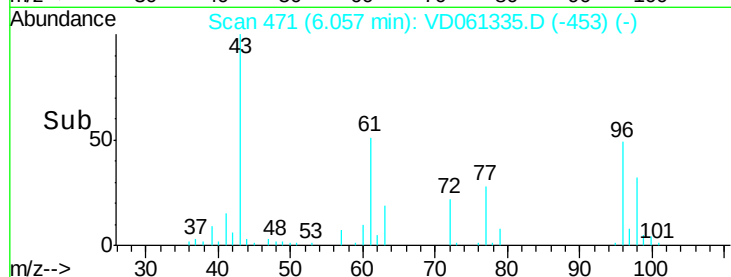


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 17.956 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD061335.D

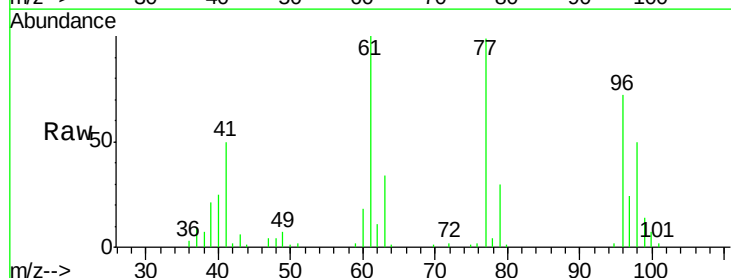
Acq: 26 Mar 2019 14:50

Tgt Ion: 77 Resp: 206563

Ion Ratio Lower Upper

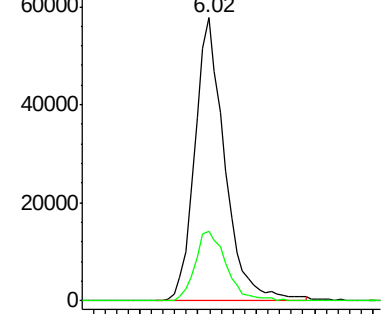
77 100

97 24.5 13.5 40.5

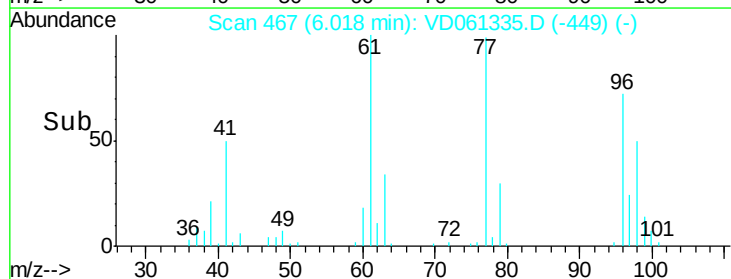


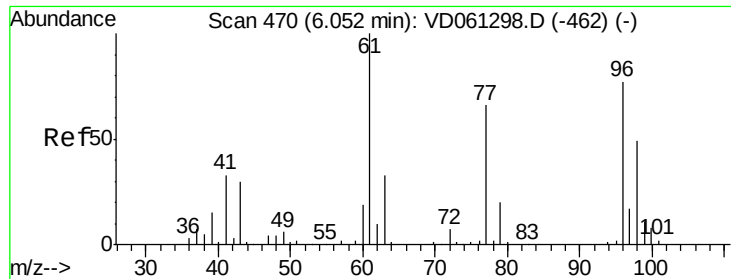
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

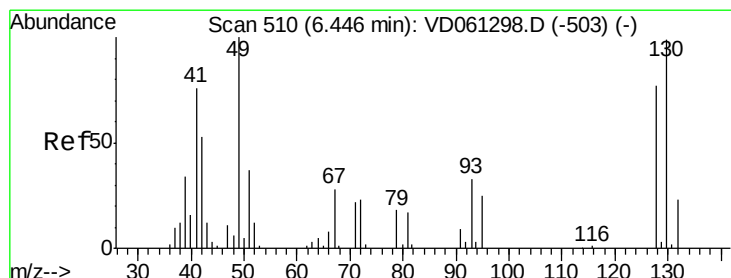
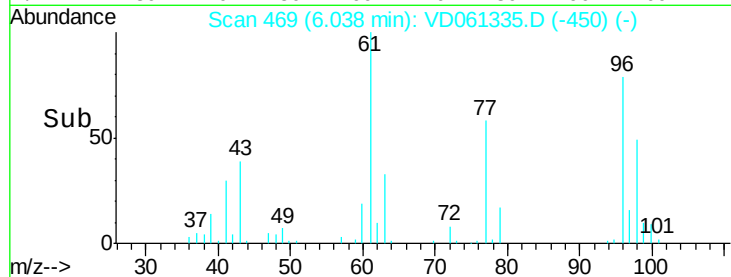
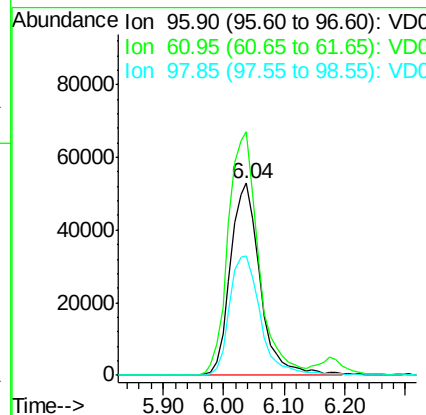
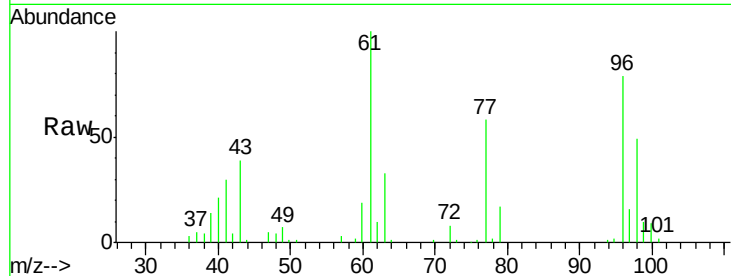
cis-1,2-Dichloroethene
Concen: 19.278 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	180558		
61	126.6		0.0	261.0
98	62.4		0.0	127.6

Manual Integrations
APPROVED

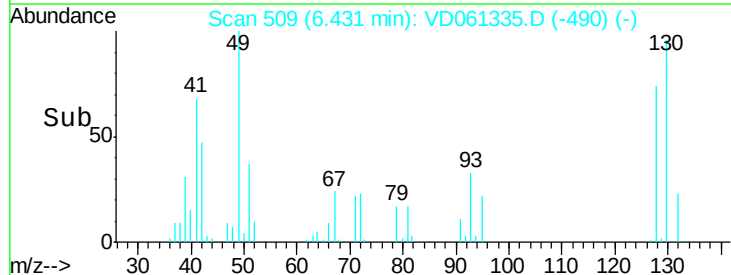
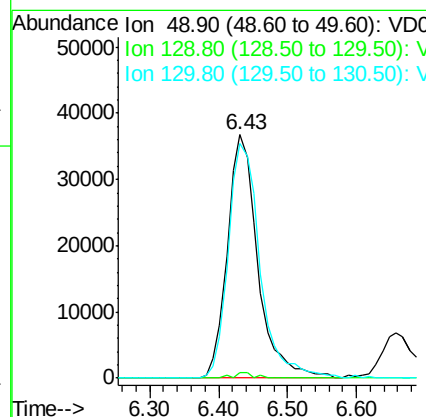
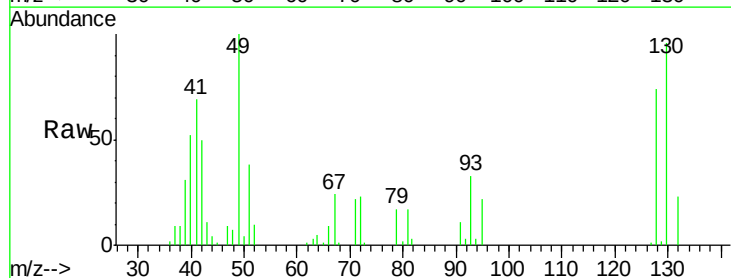
MMDadoda
3/27/2019 12:02:25 PM

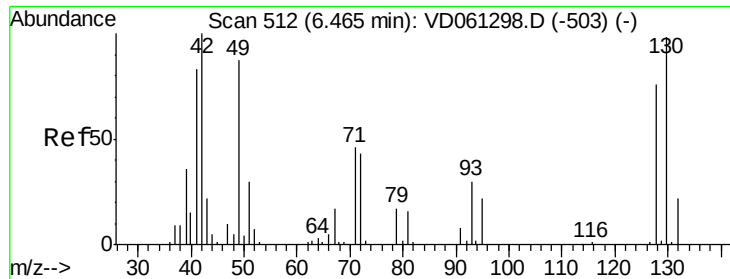


#28

Bromochloromethane
Concen: 19.824 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112418		
129	2.1		0.0	5.2
130	96.4		79.0	118.6





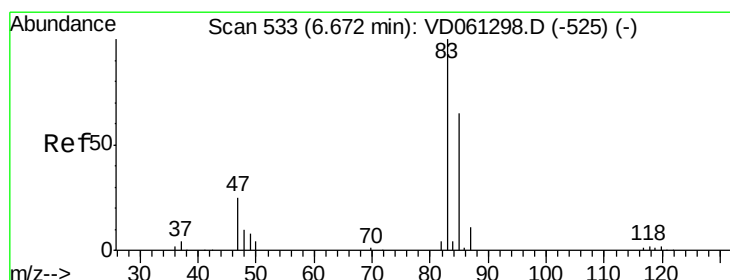
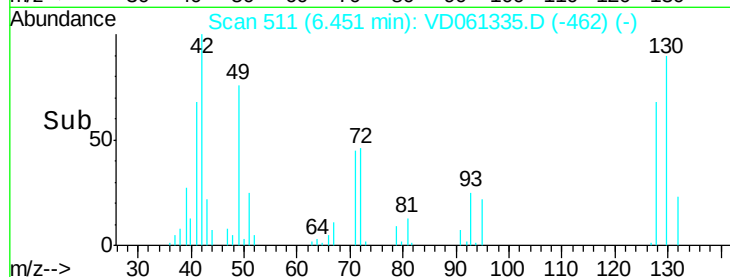
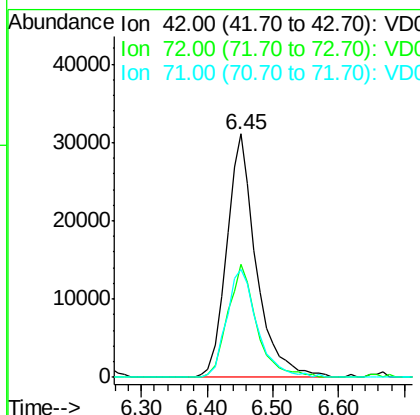
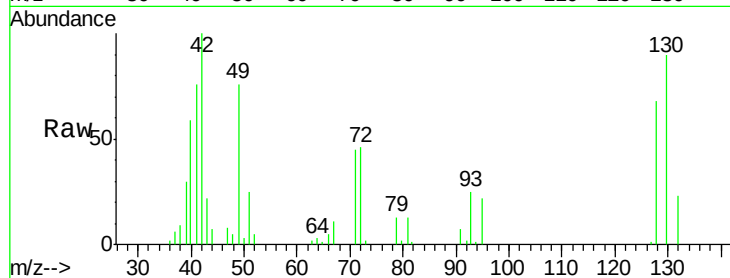
#29
Tetrahydrofuran
Concen: 101.290 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	36.6	54.8
71	46.3	36.3	54.5

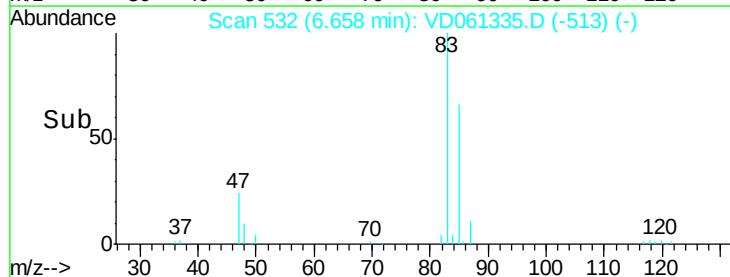
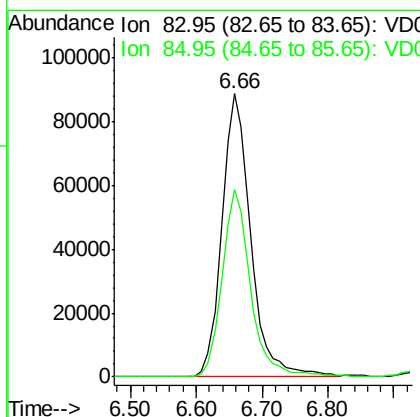
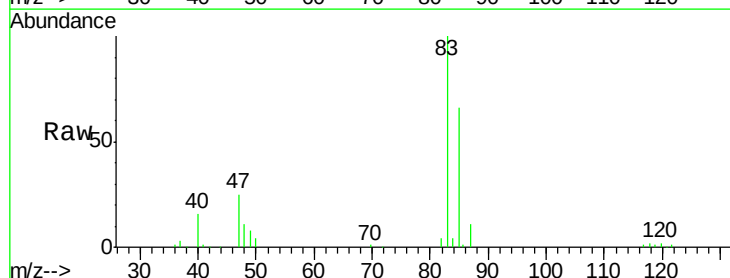
Manual Integrations
APPROVED

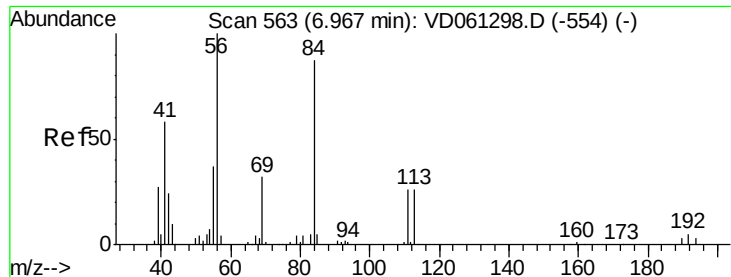
MMDadoda
3/27/2019 12:02:25 PM



#30
Chloroform
Concen: 18.803 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.2	78.2





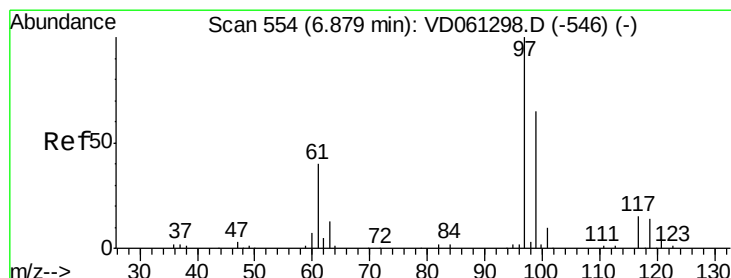
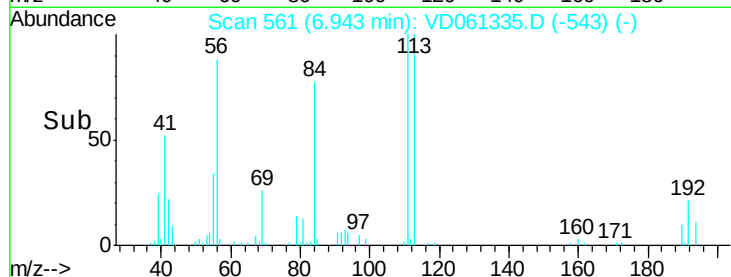
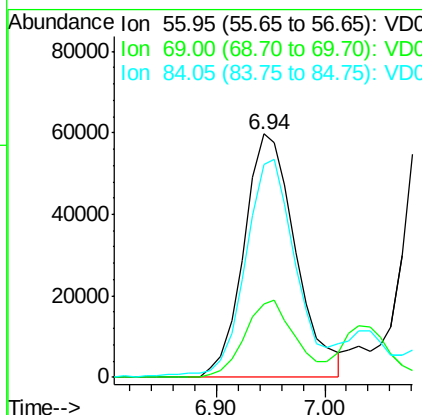
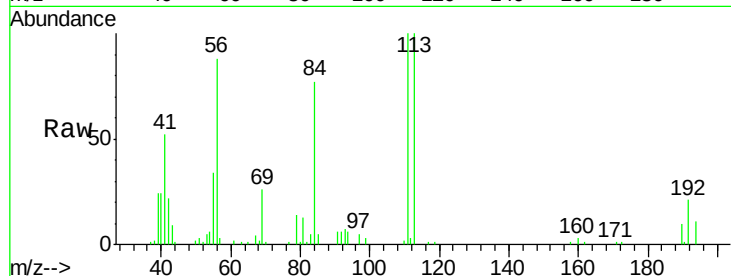
#31
Cyclohexane
Concen: 18.041 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.5	38.3
84	87.3	71.4	107.2

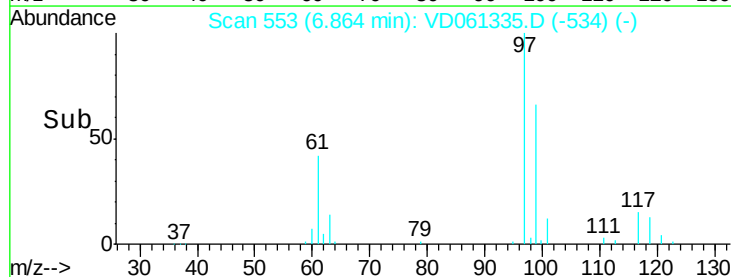
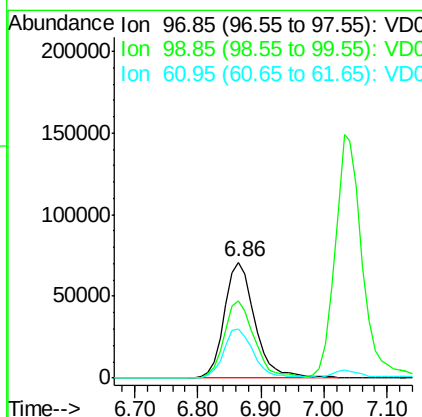
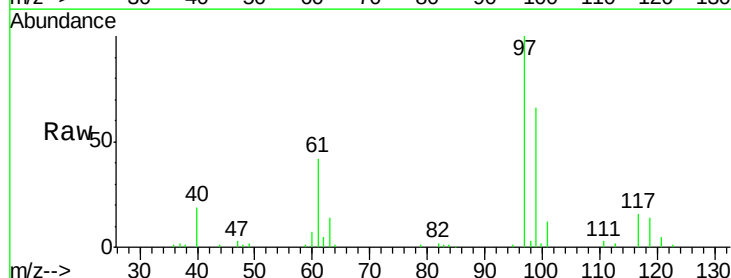
Manual Integrations
APPROVED

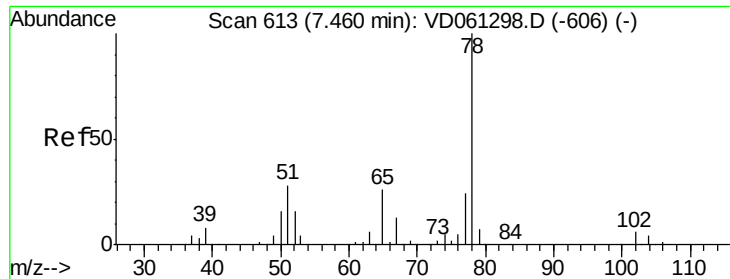
MMDadoda
3/27/2019 12:02:25 PM



#32
1,1,1-Trichloroethane
Concen: 18.604 ug/l
RT: 6.86 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.8	77.6
61	42.2	31.9	47.9





#33

1,2-Dichloroethane-d4

Concen: 18.604 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 65 Resp: 310521

Ion Ratio Lower Upper

65 100

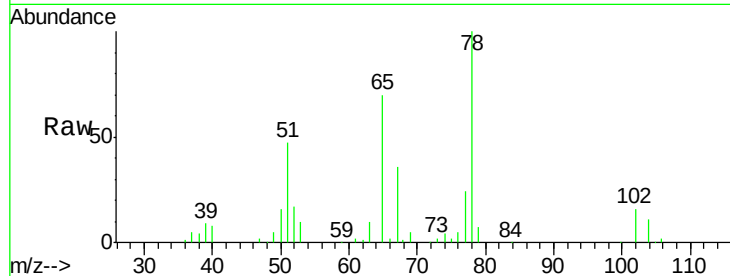
67 51.4 0.0 100.8

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

120000

100000

80000

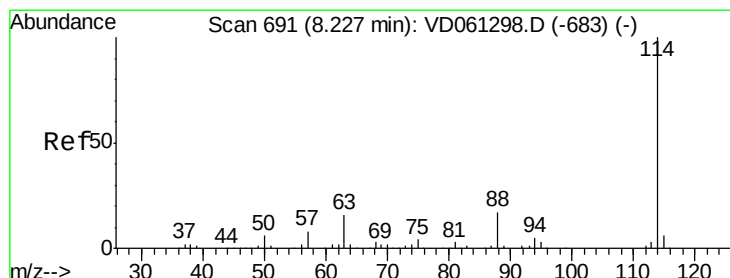
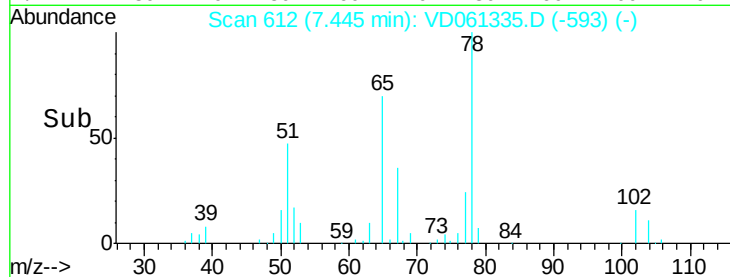
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

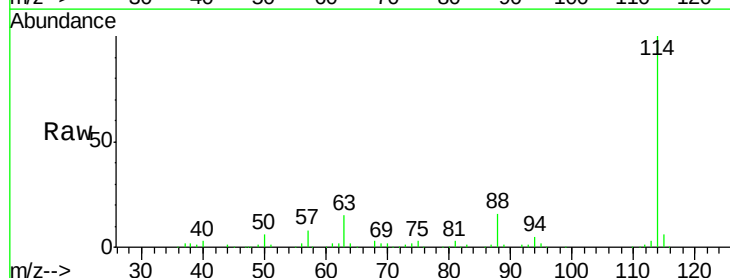
Tgt Ion: 114 Resp: 1306721

Ion Ratio Lower Upper

114 100

63 14.5 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

8.21

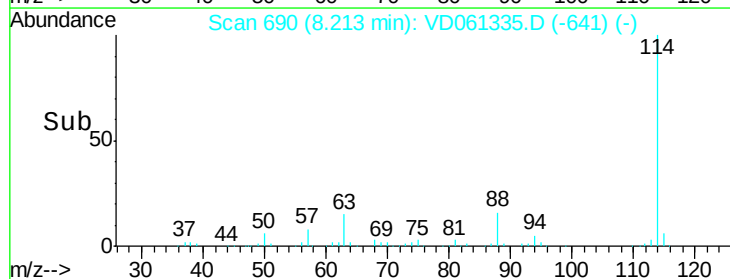
600000

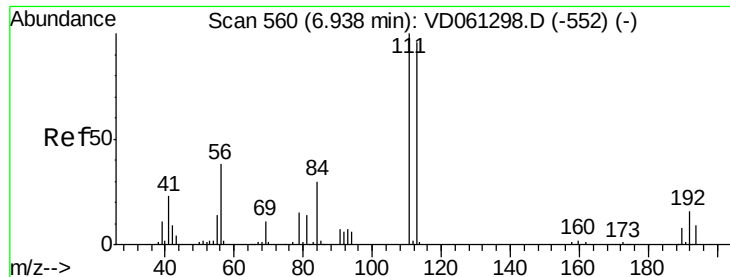
400000

200000

0

Time--> 8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

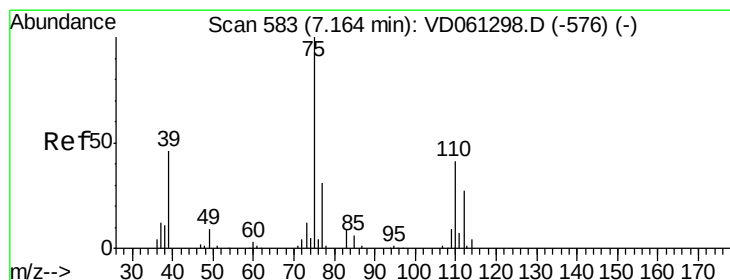
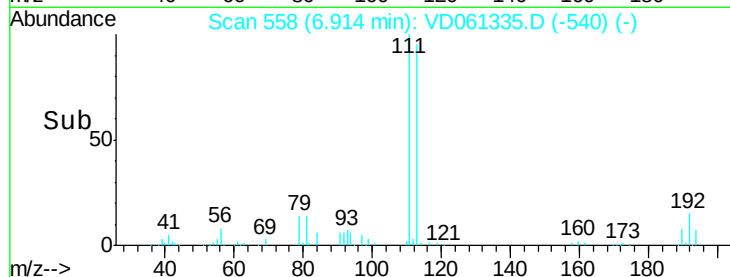
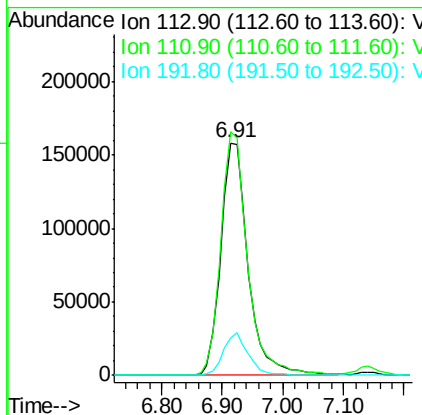
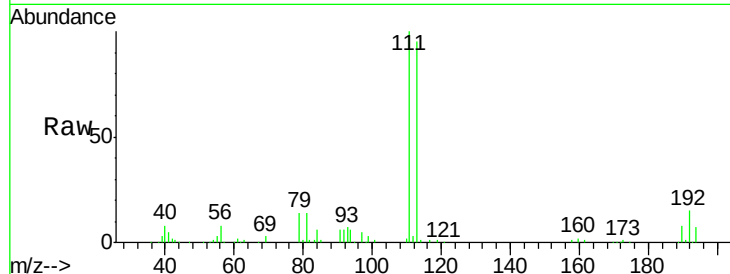
ClientSampleId :

VD0326SBS01

Tot Ion:	113	Resp:	496708
Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.7	125.5
192	16.2	13.4	20.0

Manual Integrations
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3/27/2019 12:02:25 PM



#36

1,1-Dichloropropene

Concen: 19.330 ug/l

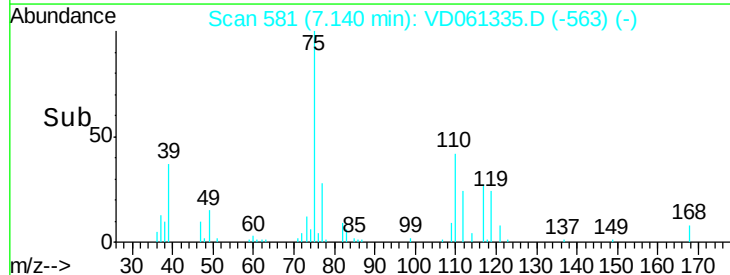
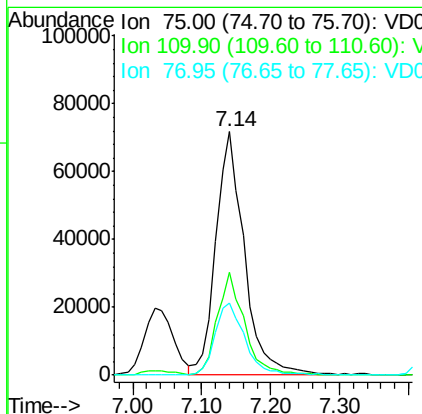
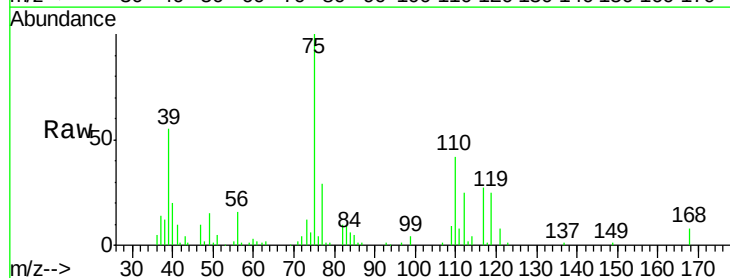
RT: 7.14 min Scan# 581

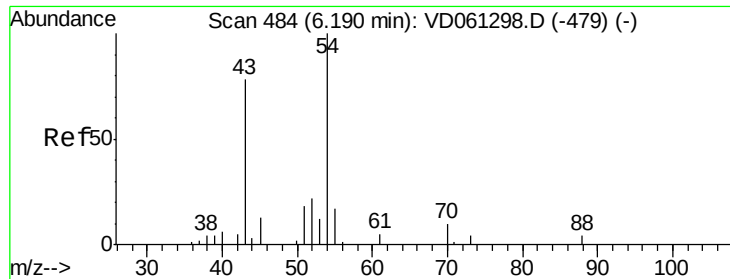
Delta R.T. -0.02 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Tgt Ion:	75	Resp:	206660
Ion	Ratio	Lower	Upper
75	100		
110	42.4	20.1	60.2
77	29.4	24.3	36.5





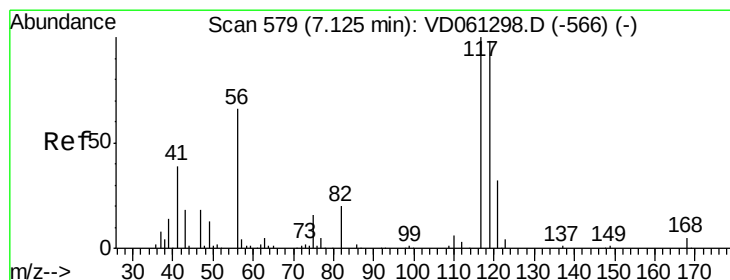
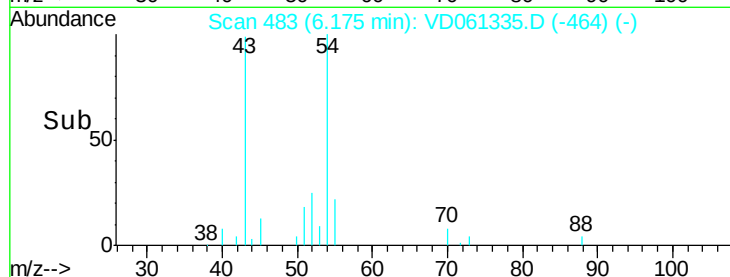
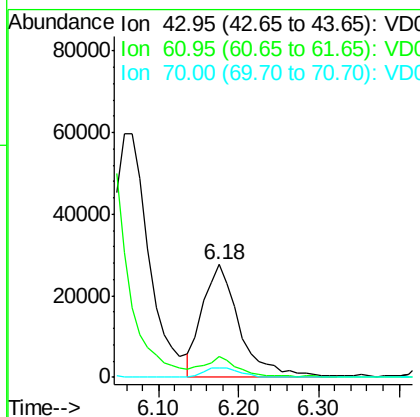
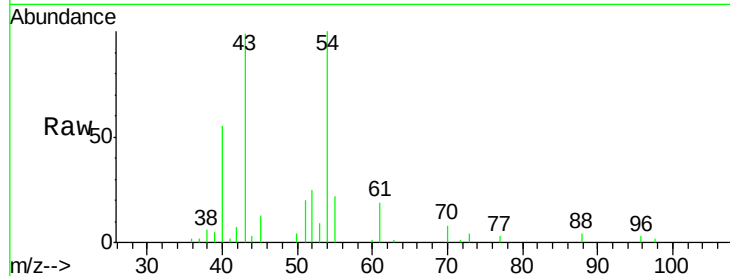
#37
Ethyl Acetate
Concen: 20.200 ug/l m
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	12.6	19.0
70	8.1	8.2	12.4

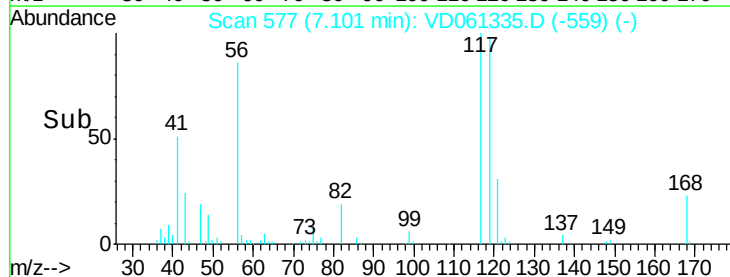
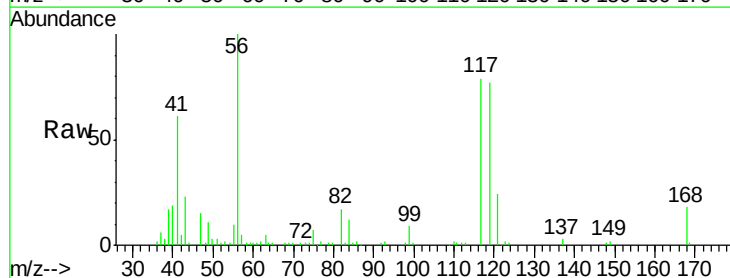
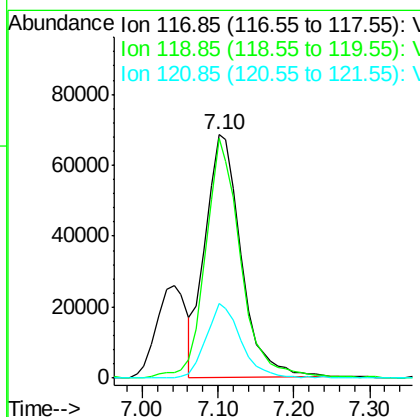
Manual Integrations
APPROVED

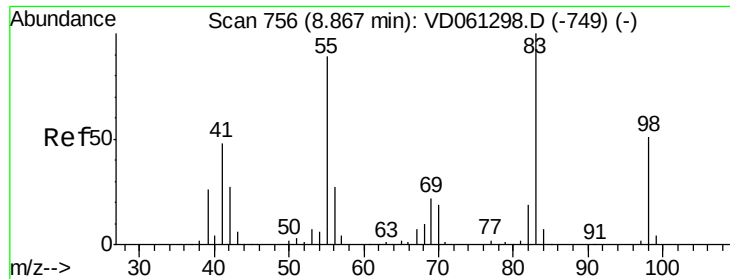
MMDadoda
3/27/2019 12:02:25 PM



#38
Carbon Tetrachloride
Concen: 18.468 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.4	117.6
121	30.6	25.1	37.7





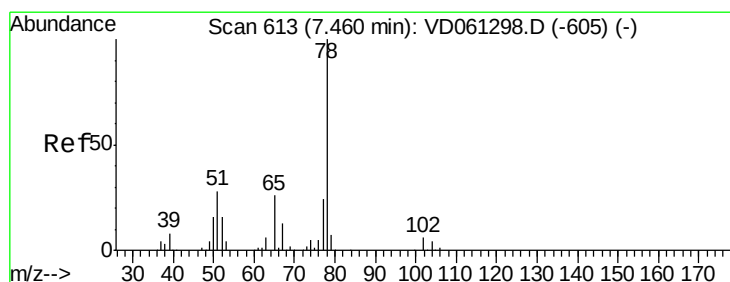
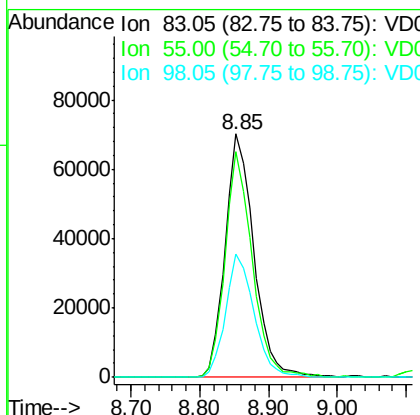
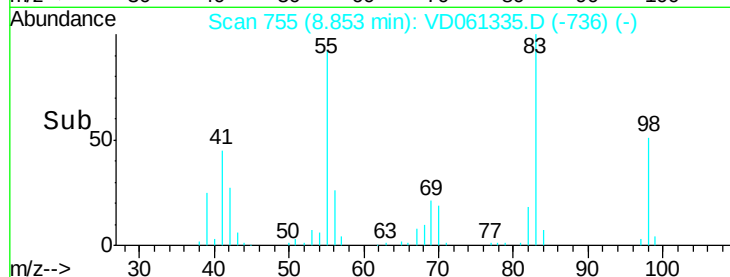
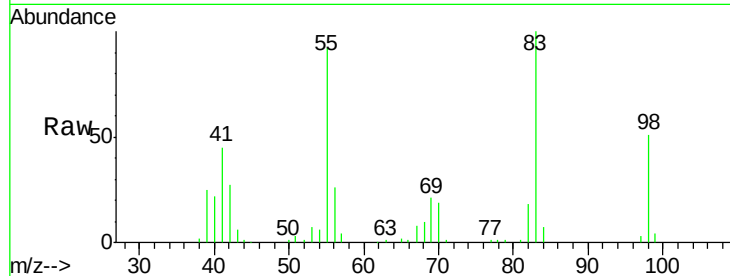
#39
Methylvlcyclohexane
Concen: 18.323 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	83	Resp	202880
Ion Ratio	Lower	Upper	
83	100		
55	92.5	71.3	106.9
98	50.9	40.4	60.6

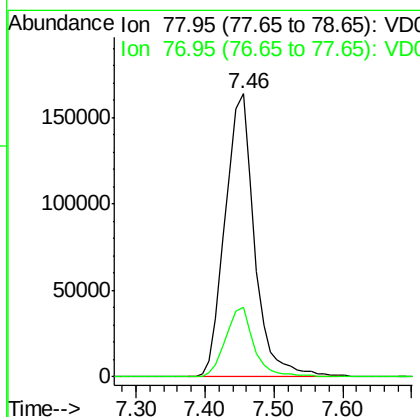
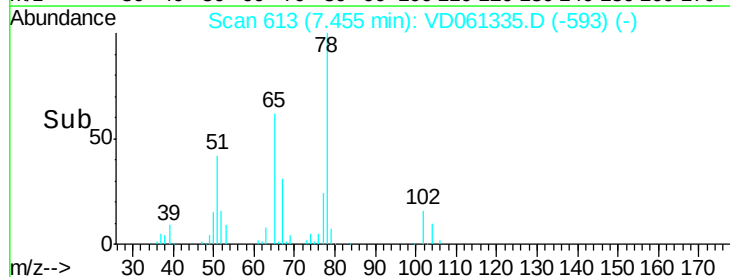
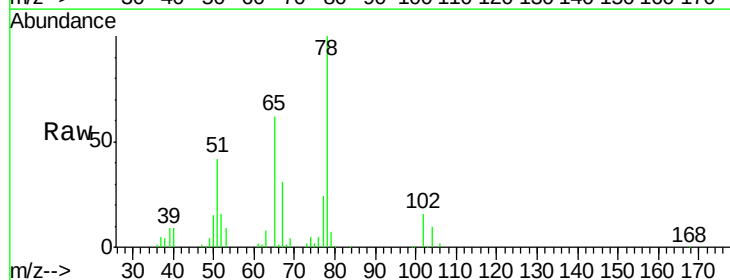
Manual Integrations
APPROVED

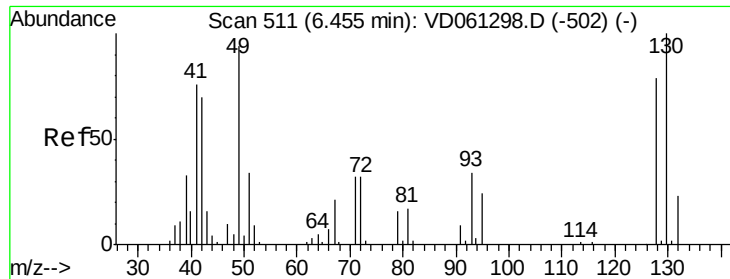
MMDadoda
3/27/2019 12:02:25 PM



#40
Benzene
Concen: 18.268 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	78	Resp	485051
Ion Ratio	Lower	Upper	
78	100		
77	24.4	18.8	28.2





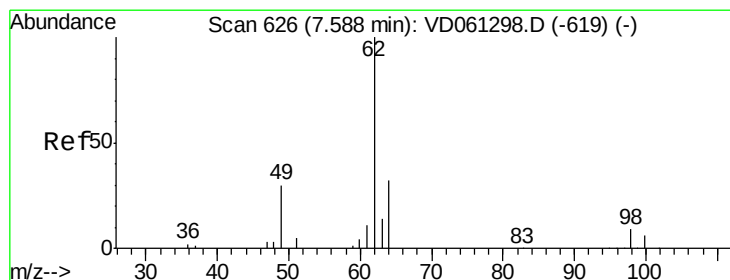
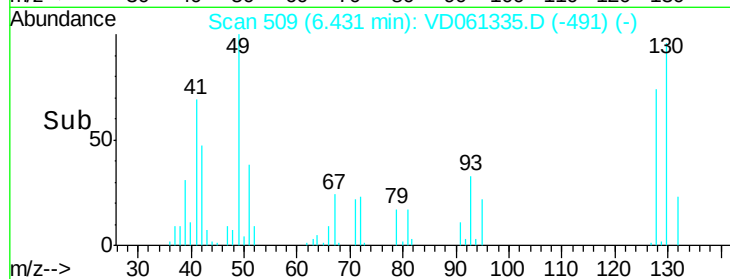
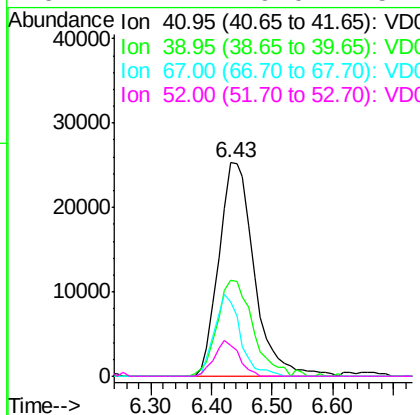
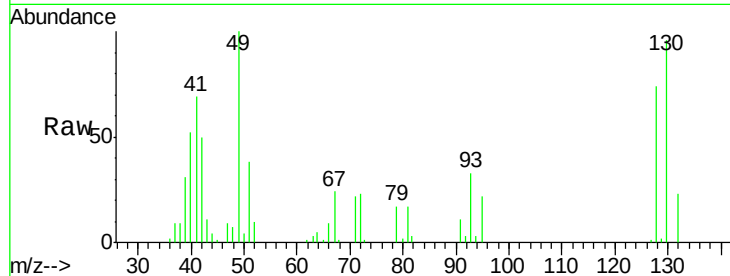
#41
Methacrylonitrile
Concen: 19.809 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.8	34.2	51.2
67	34.7	21.8	32.6
52	14.7	9.0	13.4

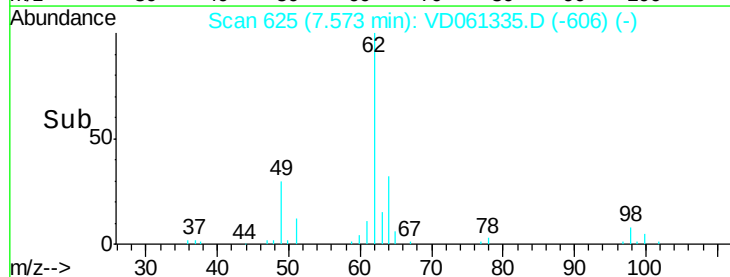
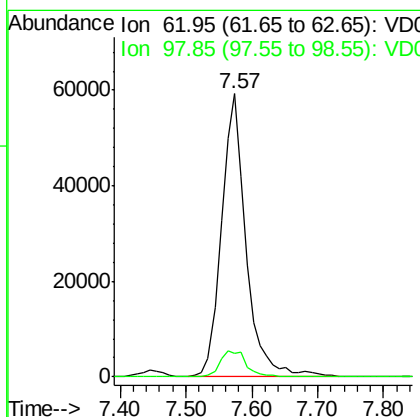
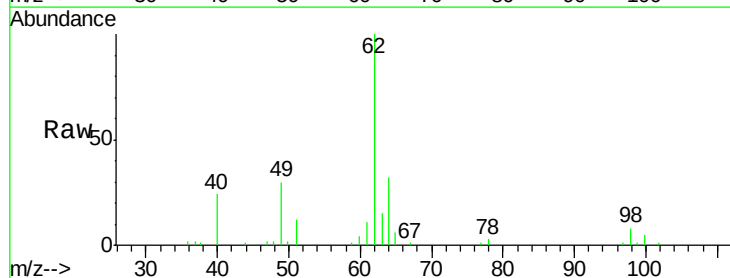
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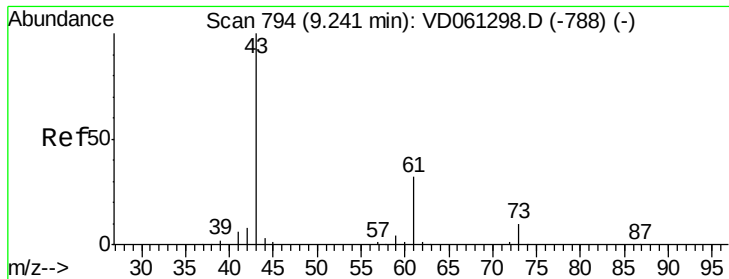
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.607 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.6





#43

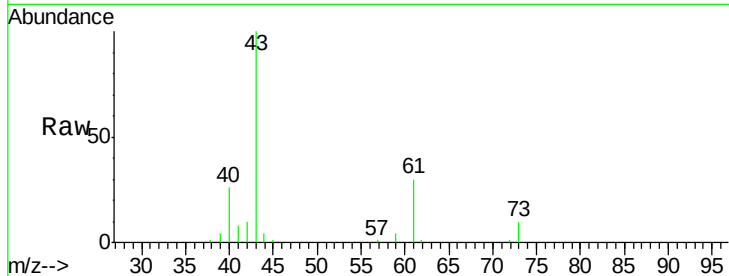
Isopropyl Acetate
 Concen: 20.728 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

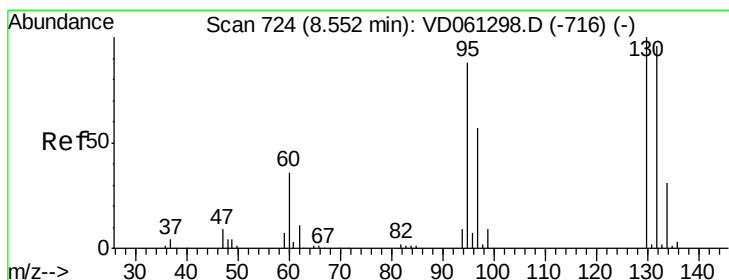
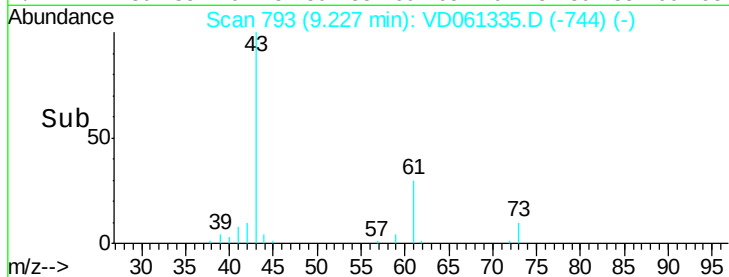
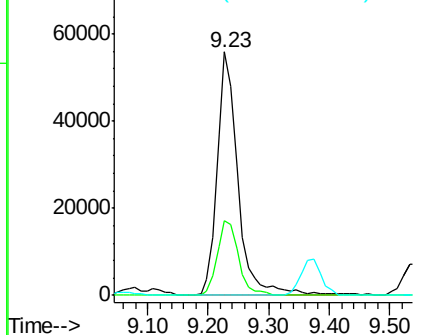
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	25.8	38.8
87	0.0	0.3	0.5

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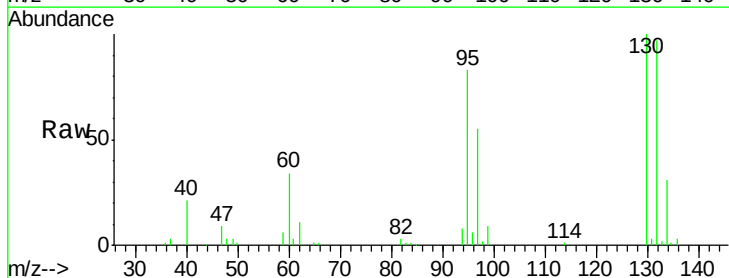
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



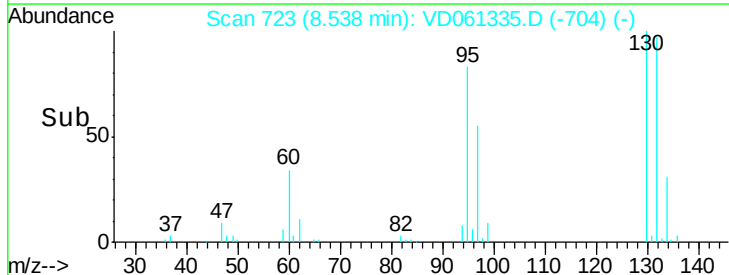
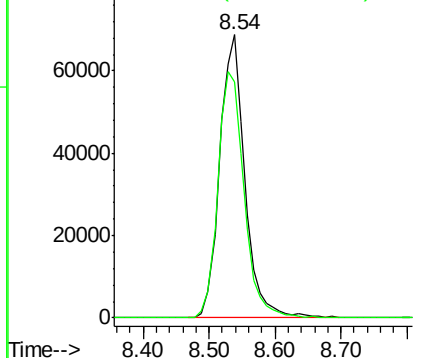
#44

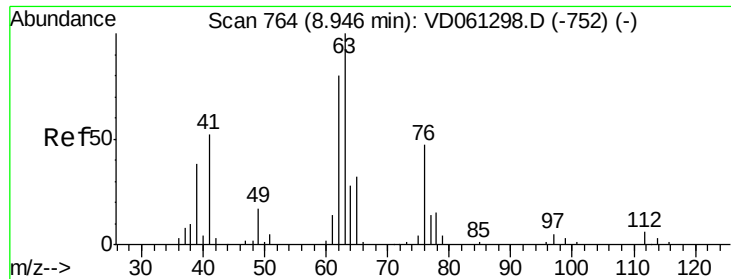
Trichloroethene
 Concen: 19.017 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.2	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: 19.451 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 63 Resp: 127468

Ion Ratio Lower Upper

63 100

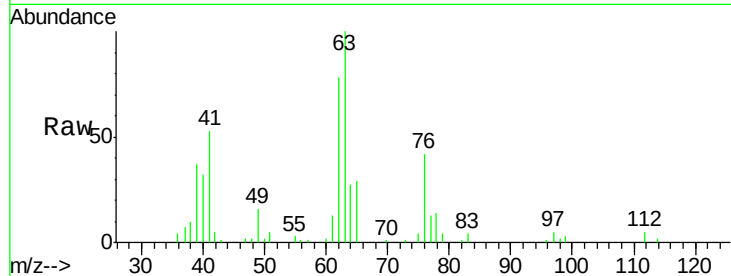
65 29.2 25.2 37.8

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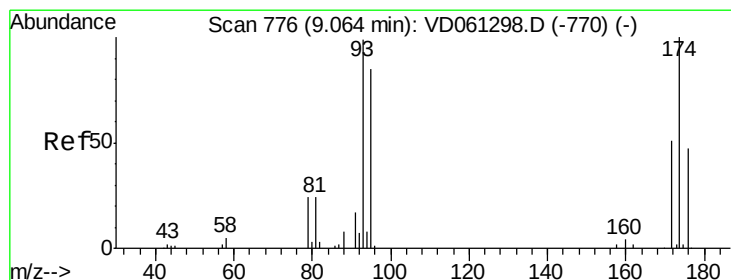
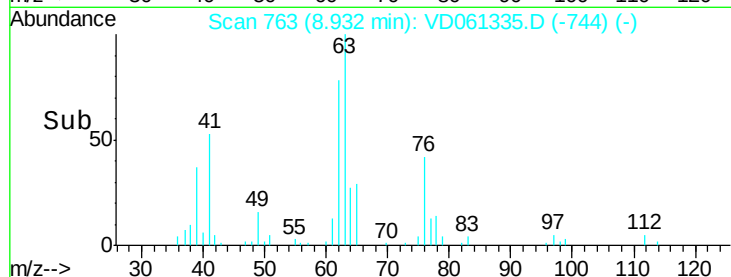
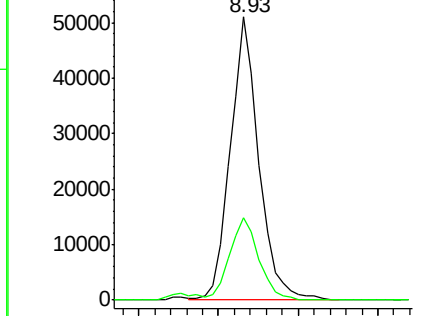
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.970 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

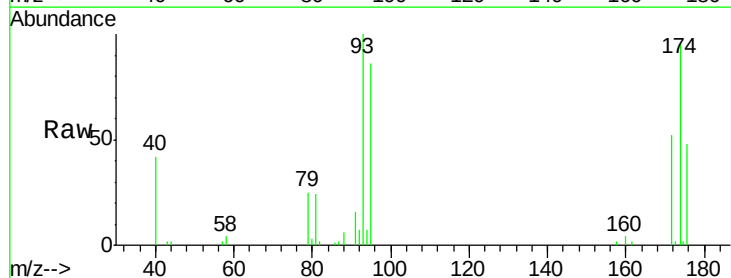
Tgt Ion: 93 Resp: 85211

Ion Ratio Lower Upper

93 100

95 85.6 68.1 102.1

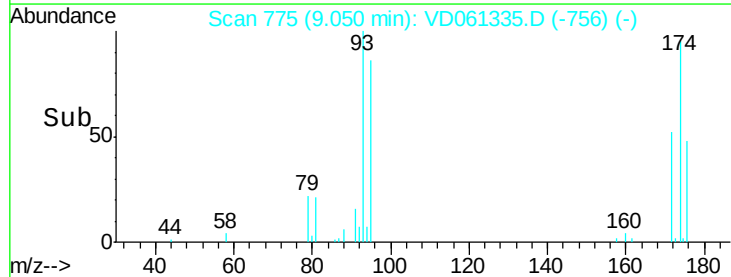
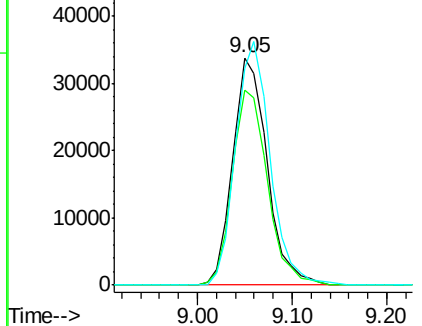
174 95.4 80.4 120.6

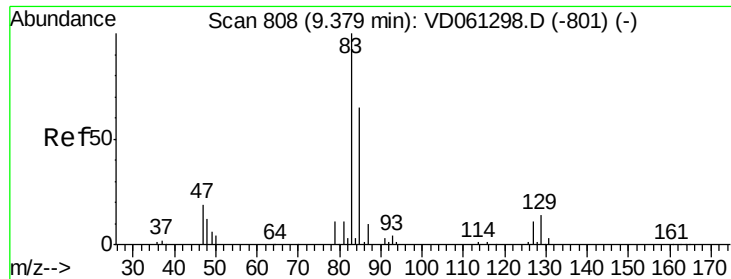


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 18.512 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 83 Resp: 194909

Ion Ratio Lower Upper

83 100

85 65.4 51.7 77.5

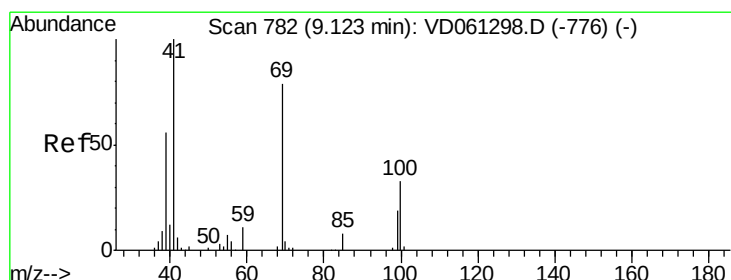
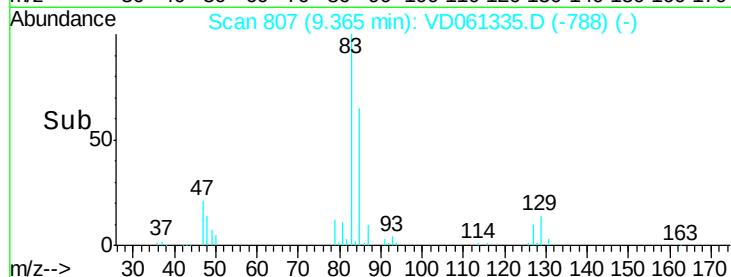
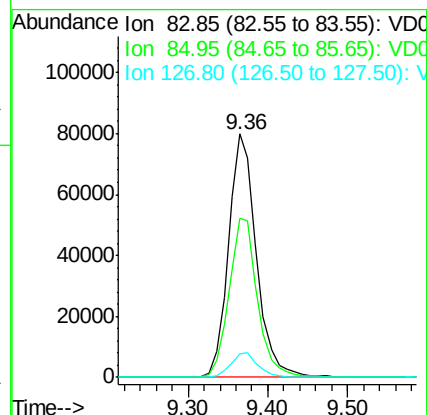
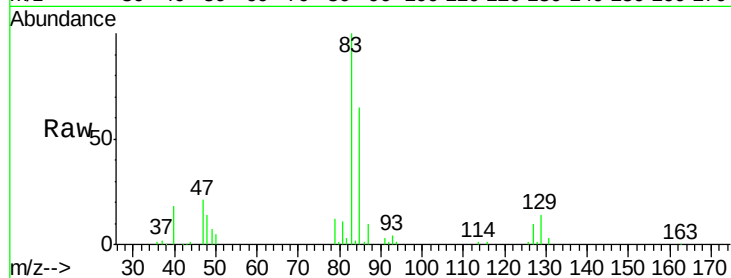
127 9.7 8.8 13.2

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#48

Methyl methacrylate

Concen: 20.943 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

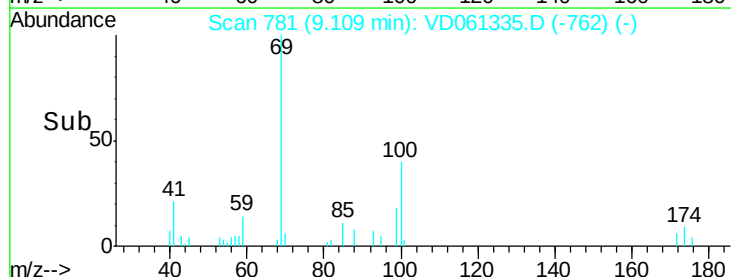
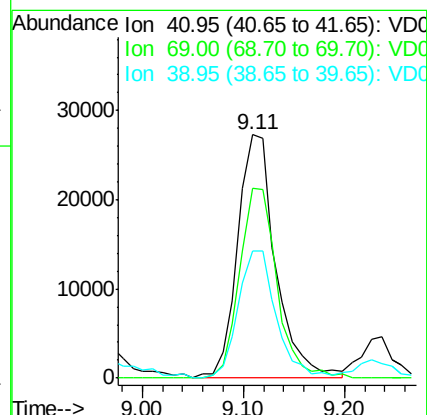
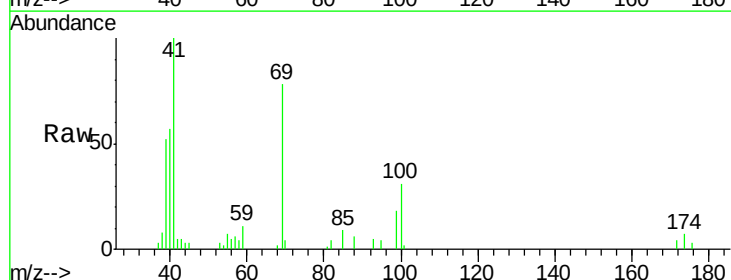
Tgt Ion: 41 Resp: 71971

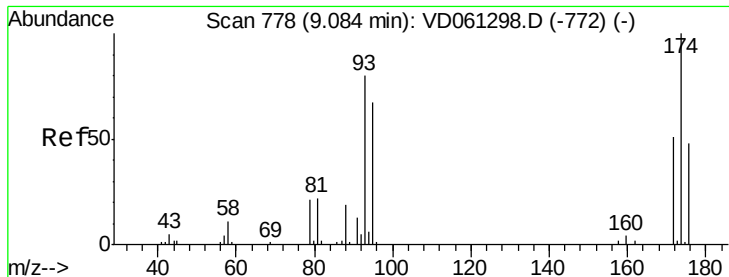
Ion Ratio Lower Upper

41 100

69 77.8 62.4 93.6

39 52.2 44.9 67.3





#49

1,4-Dioxane

Concen: 405.375 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 88 Resp: 15285

Ion Ratio Lower Upper

88 100

43 28.2 20.7 31.1

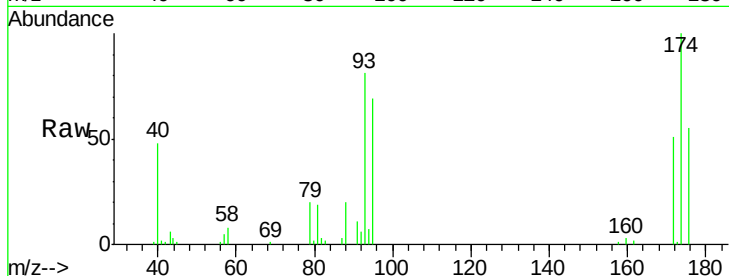
58 41.2 44.9 67.3#

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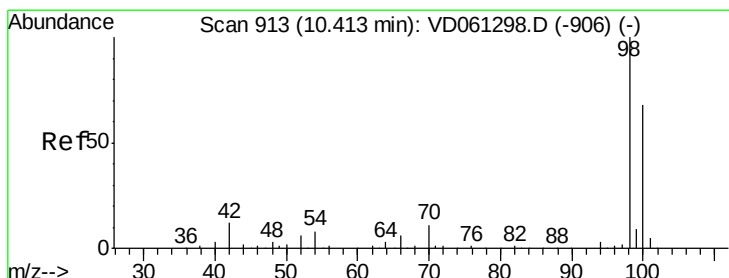
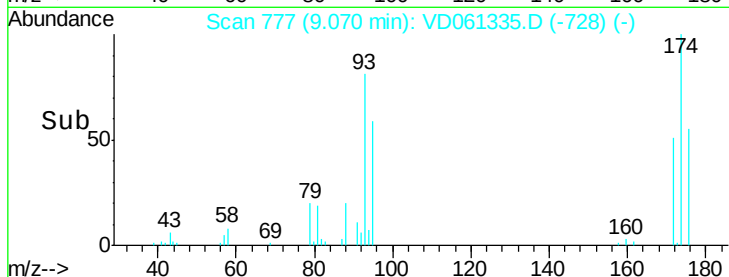
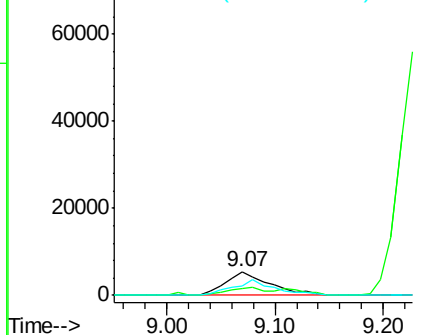
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 405.375 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD061335.D

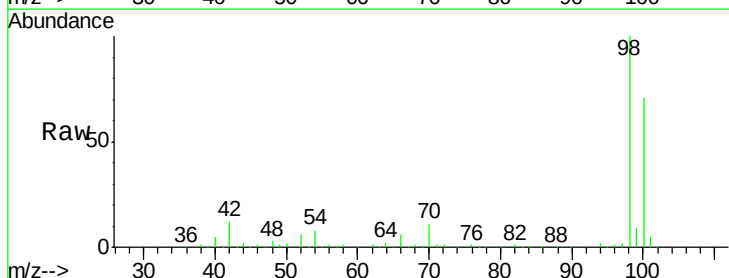
Acq: 26 Mar 2019 14:50

Tgt Ion: 98 Resp: 1275925

Ion Ratio Lower Upper

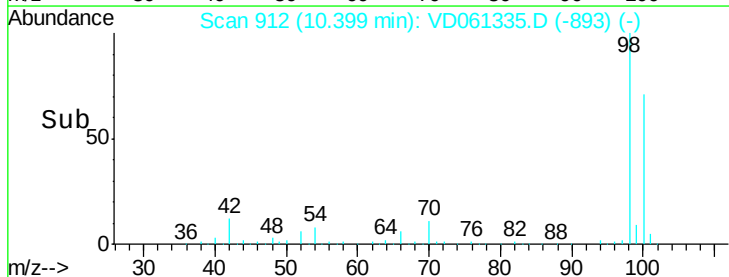
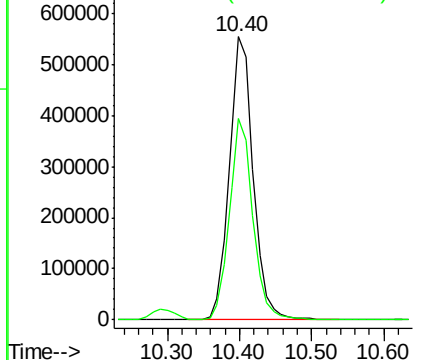
98 100

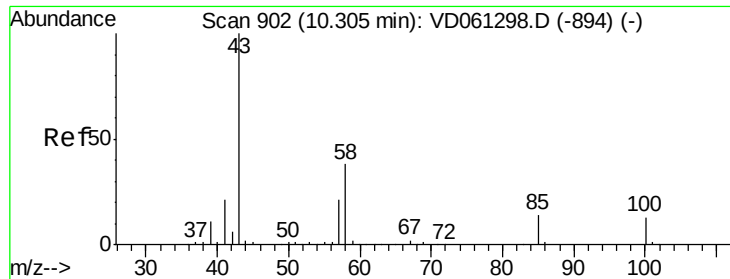
100 71.0 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 103.707 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 43 Resp: 397499

Ion Ratio Lower Upper

43 100

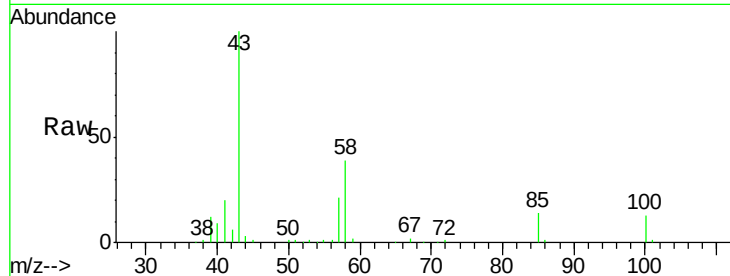
58 38.9 30.6 45.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

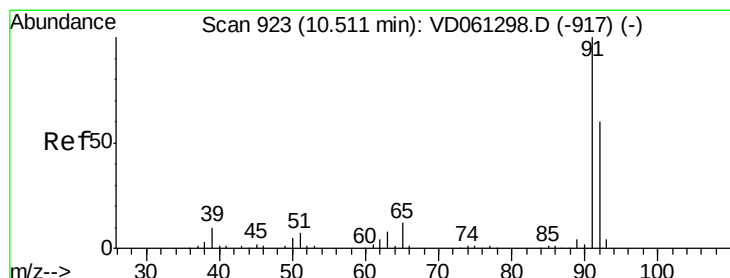
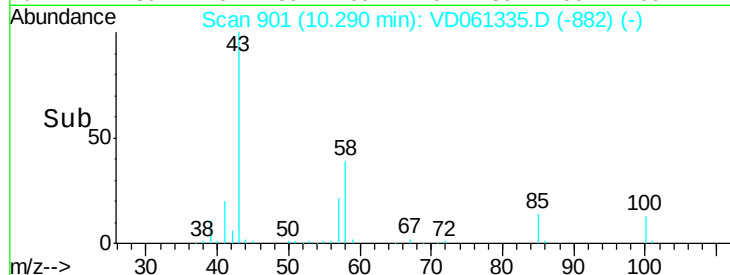
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.742 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061335.D

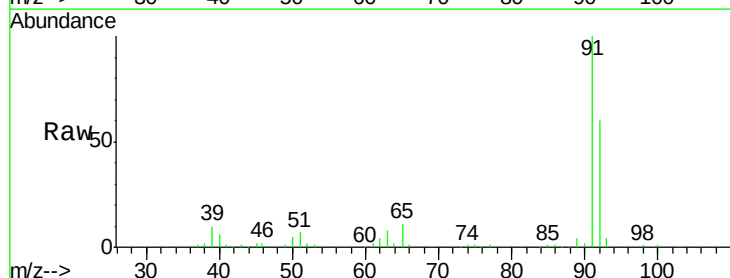
Acq: 26 Mar 2019 14:50

Tgt Ion: 92 Resp: 320745

Ion Ratio Lower Upper

92 100

91 167.1 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

250000

200000

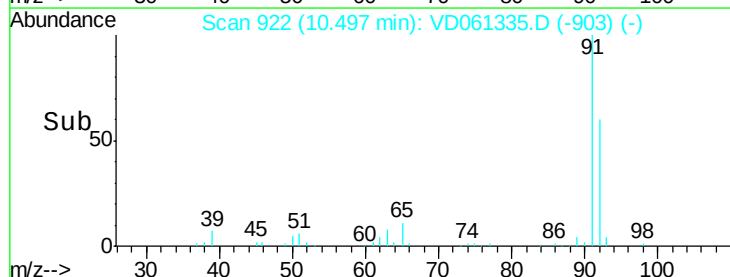
150000

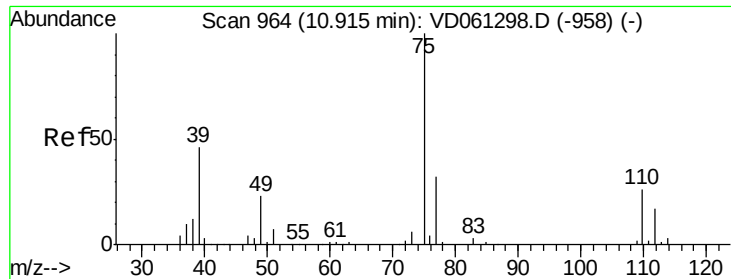
100000

50000

0

Time-->





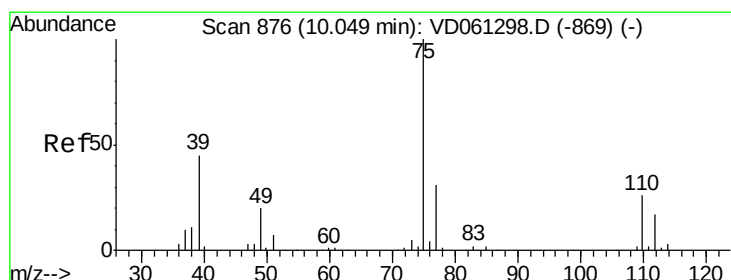
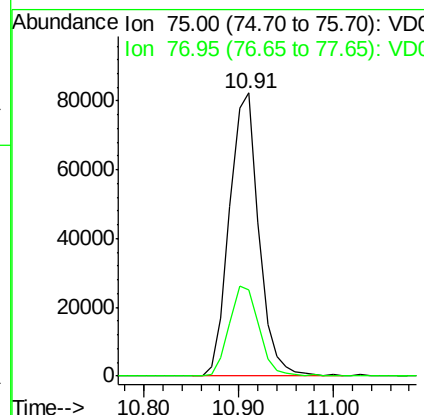
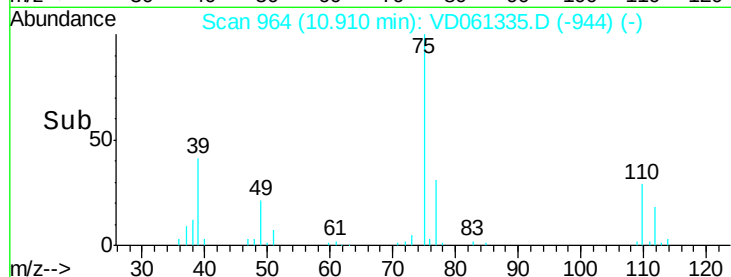
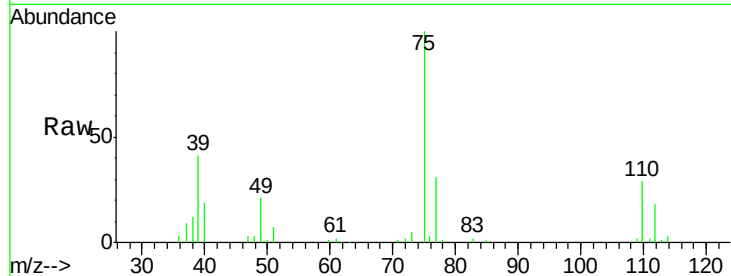
#53
 t-1,3-Dichloropropene
 Concen: 19.414 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion: 75 Resp: 177639
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.8 38.6

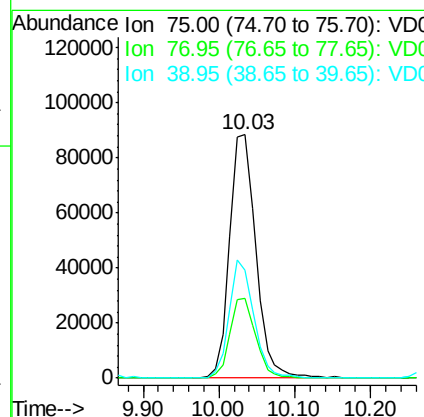
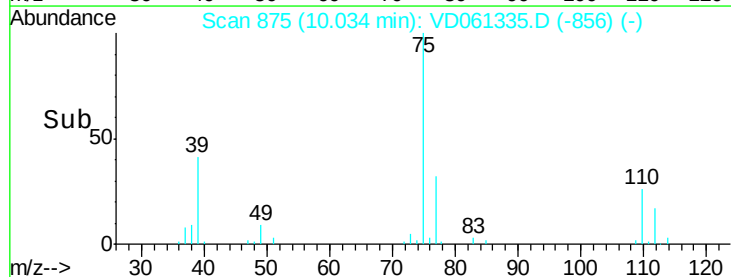
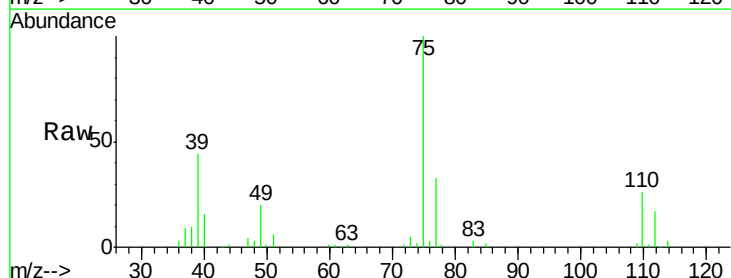
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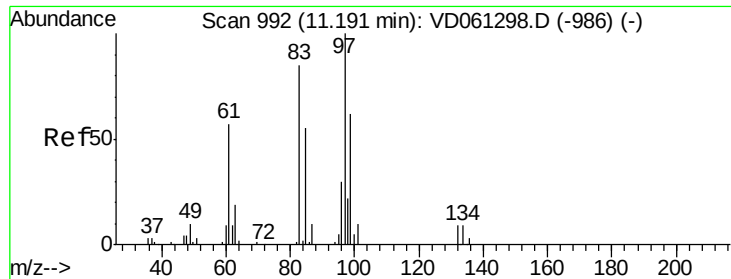
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#54
 cis-1,3-Dichloropropene
 Concen: 18.972 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Tgt Ion: 75 Resp: 211975
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.9 37.3
 39 44.2 36.0 54.0





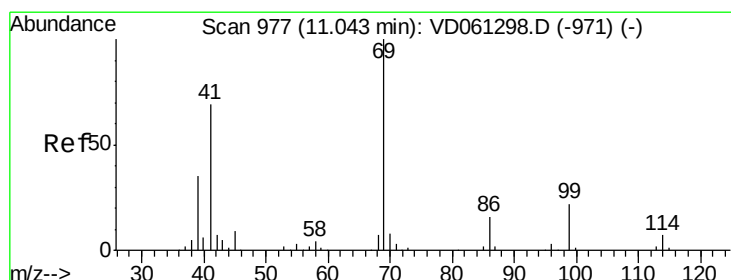
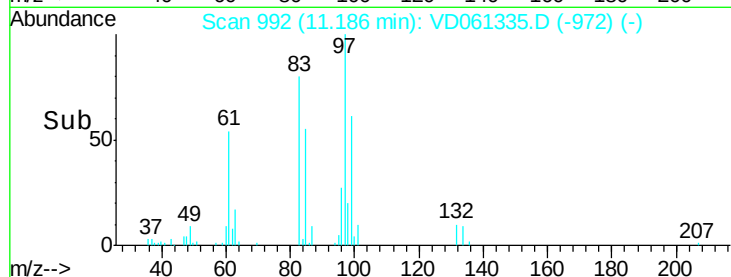
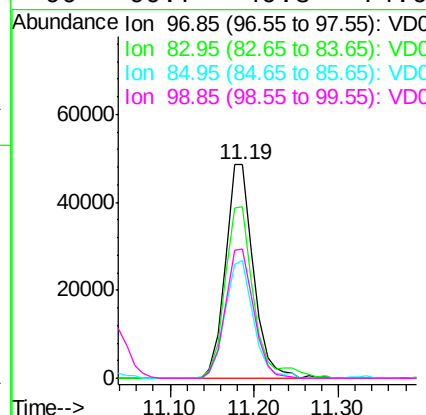
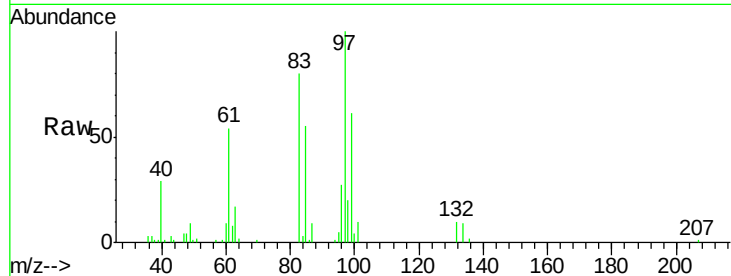
#55
 1,1,2-Trichloroethane
 Concen: 20.740 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.2	67.7	101.5
85	54.9	43.8	65.8
99	60.7	49.8	74.6

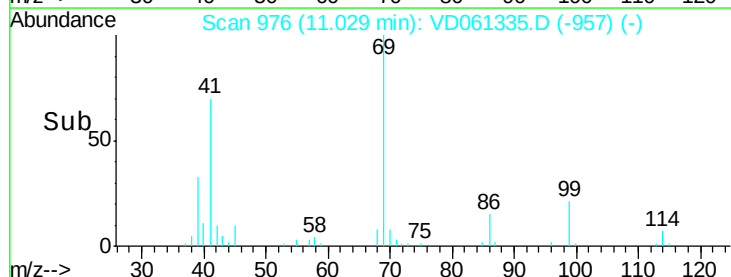
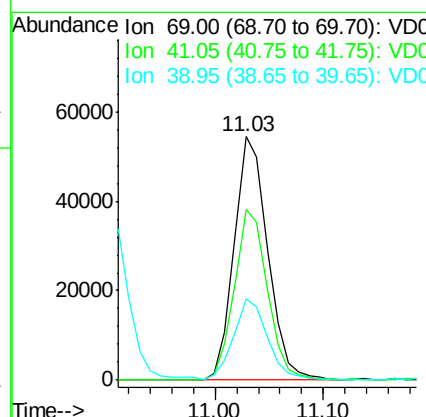
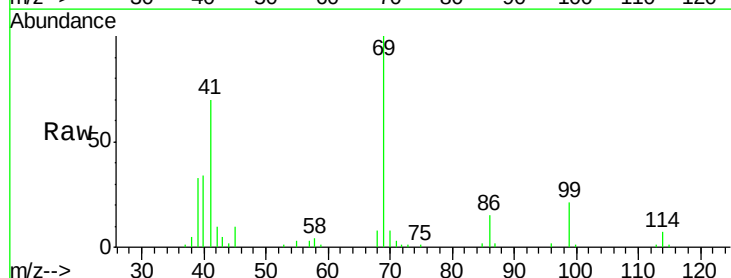
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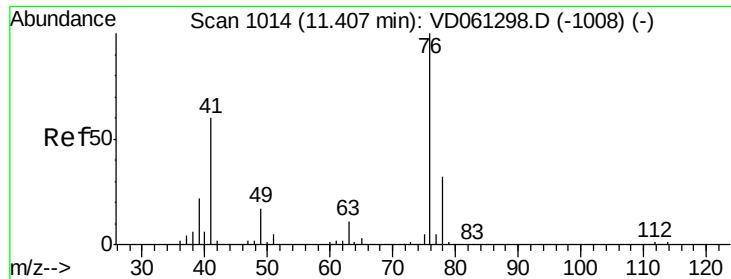
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#56
 Ethyl methacrylate
 Concen: 20.448 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.1	54.9	82.3
39	33.2	28.5	42.7





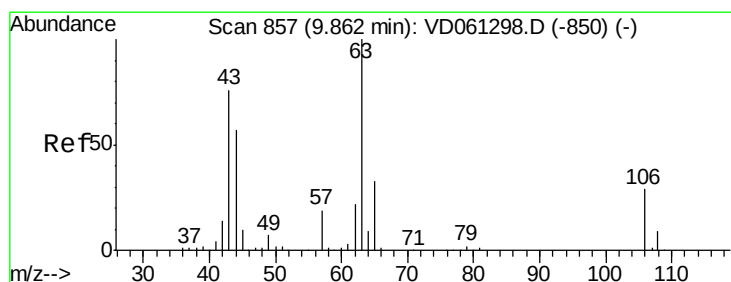
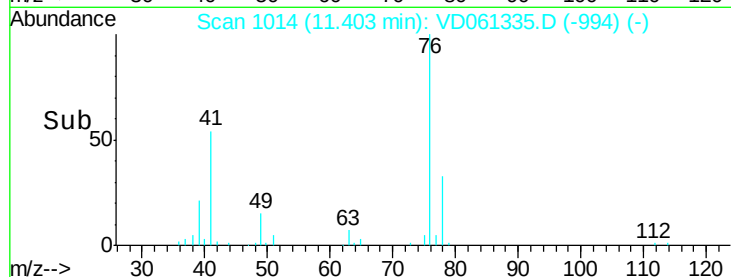
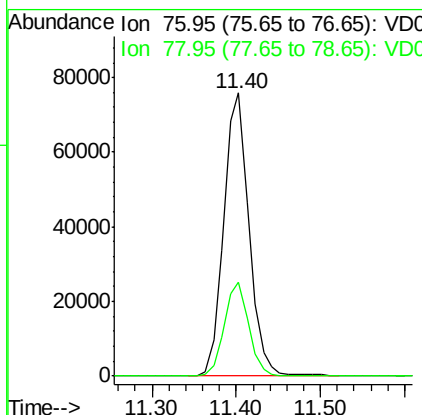
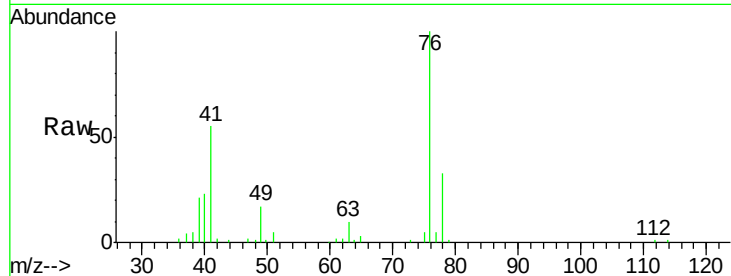
#57
 1,3-Dichloropropane
 Concen: 19.369 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion: 76 Resp: 157779
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.7 38.5

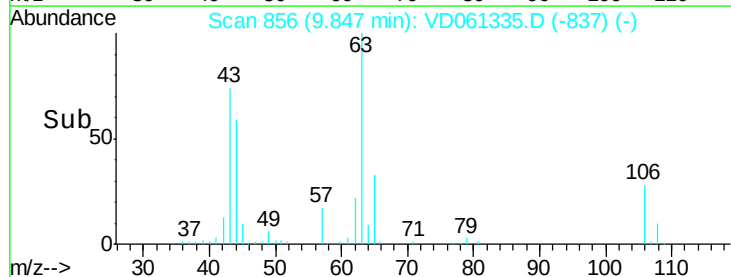
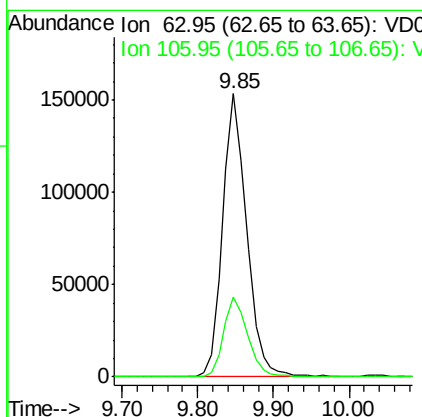
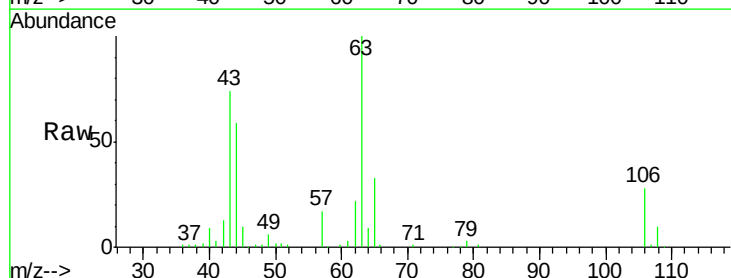
Manual Integrations
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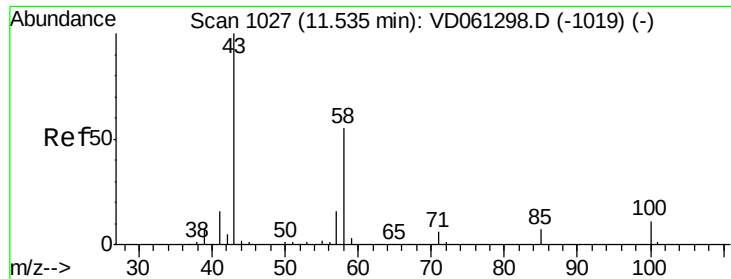
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.734 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Tgt Ion: 63 Resp: 337558
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.4 35.0





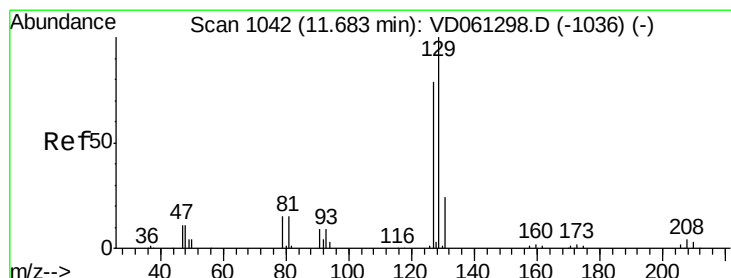
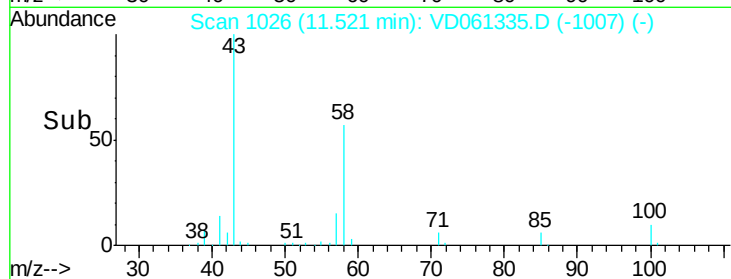
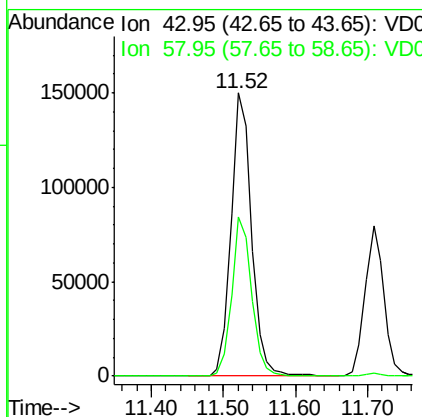
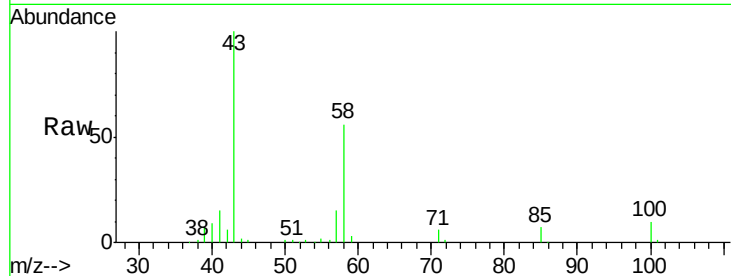
#59
2-Hexanone
Concen: 107.268 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion: 43 Resp: 298614
Ion Ratio Lower Upper
43 100
58 56.1 27.4 82.0

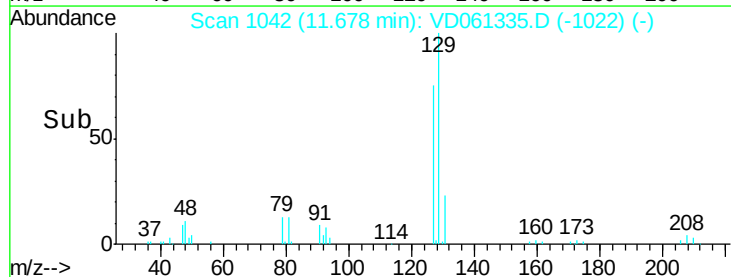
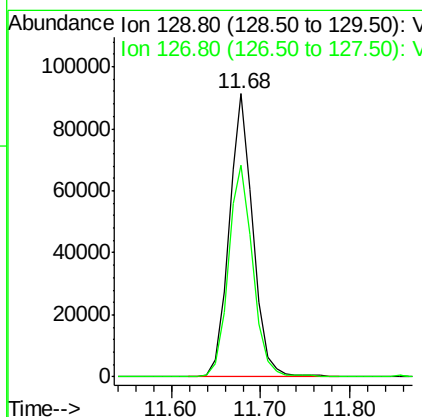
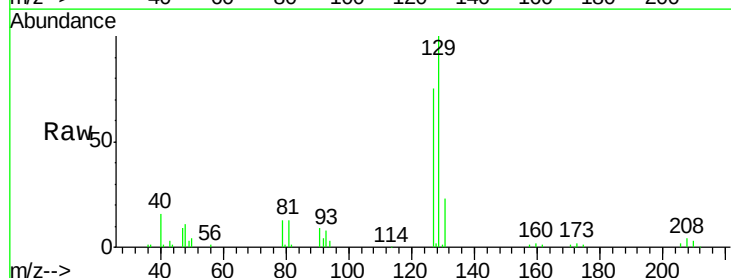
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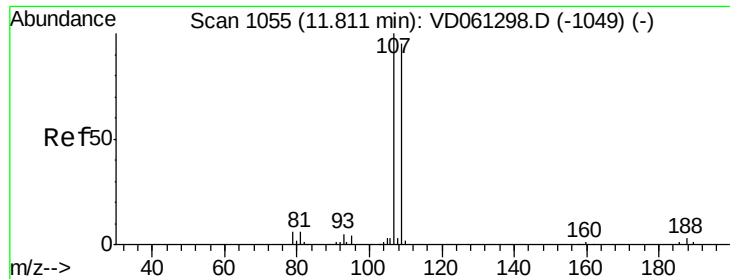
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#60
Dibromochloromethane
Concen: 20.170 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion: 129 Resp: 170392
Ion Ratio Lower Upper
129 100
127 74.8 39.6 119.0





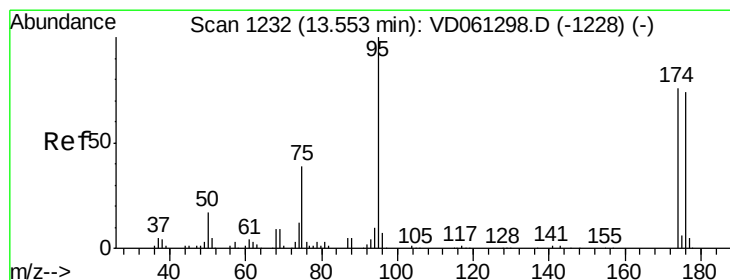
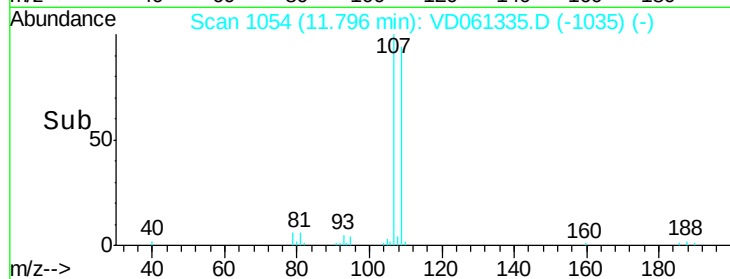
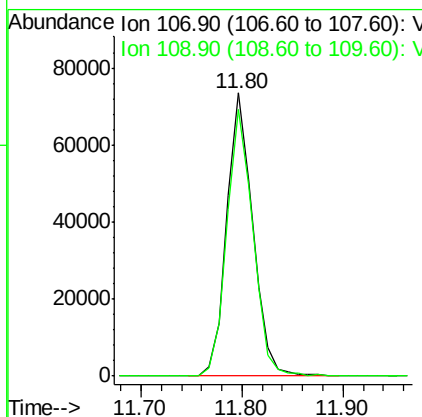
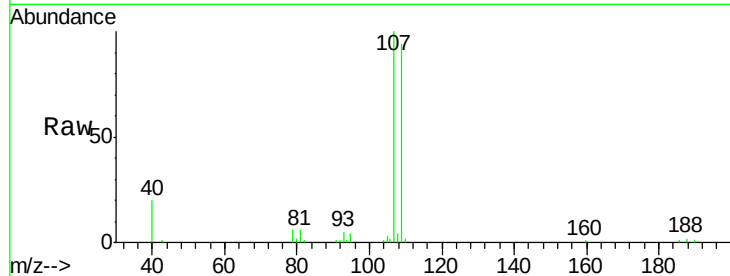
#61
 1,2-Dibromoethane
 Concen: 20.853 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion: 107 Resp: 131419
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.1 114.1

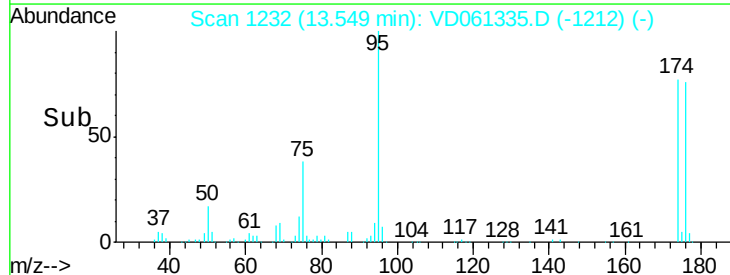
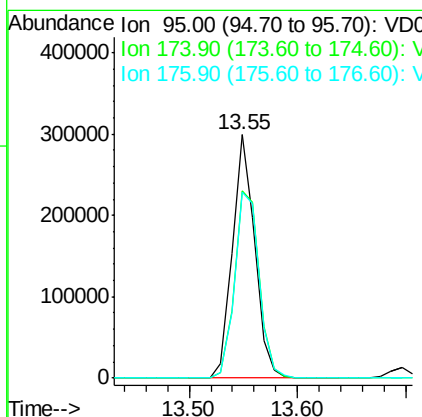
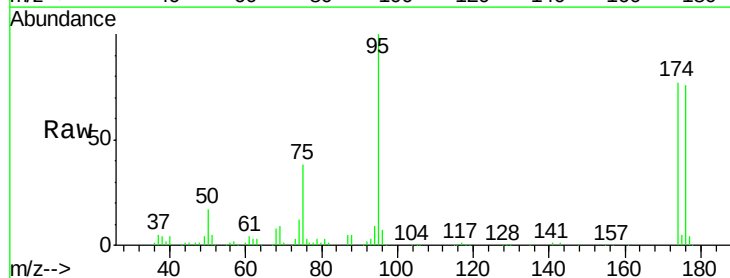
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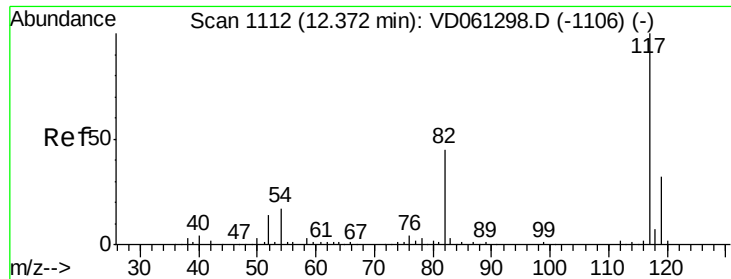
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 3/27/2019 12:02:25 PM



#62
 4-Bromofluorobenzene
 Concen: 20.853 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Tgt Ion: 95 Resp: 431548
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 151.8
 176 76.5 0.0 148.0





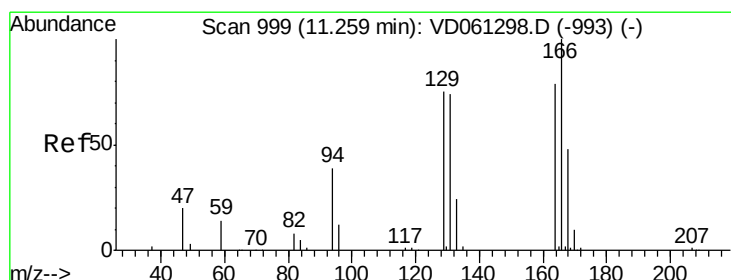
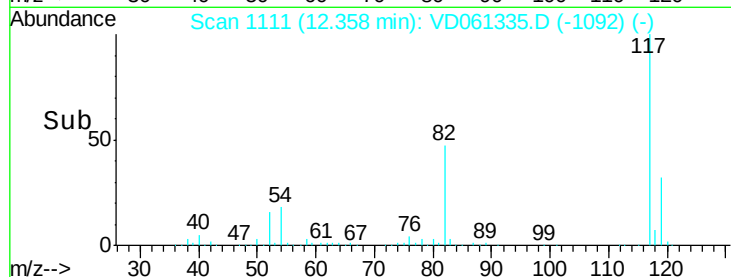
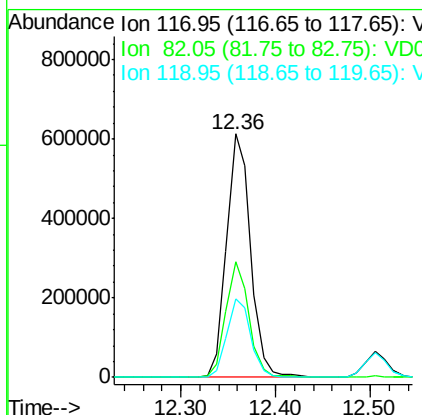
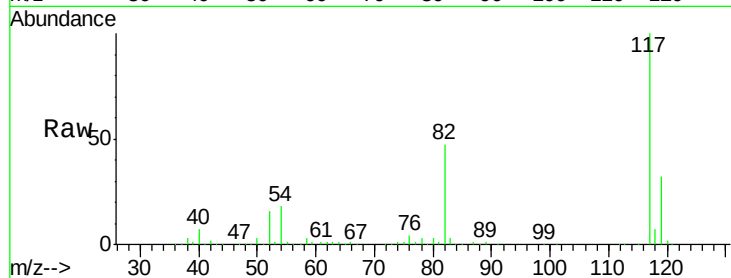
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion:117 Resp: 1073084
Ion Ratio Lower Upper
117 100
82 47.4 35.7 53.5
119 32.5 25.9 38.9

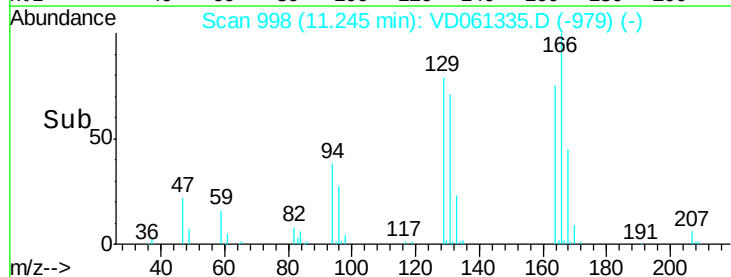
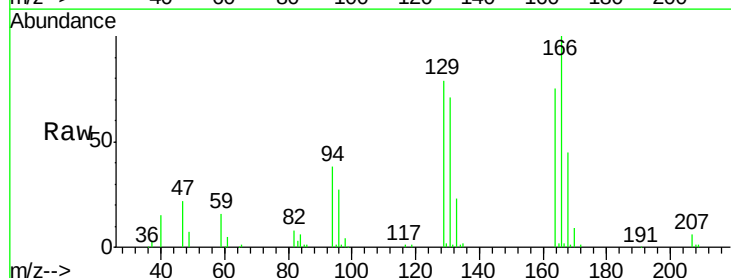
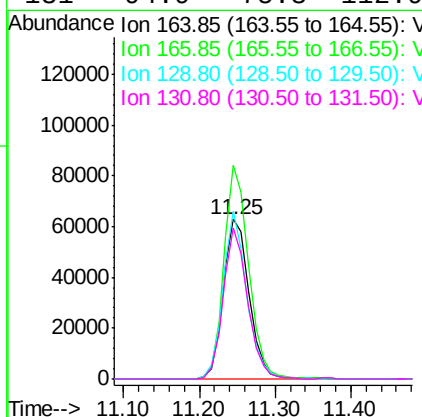
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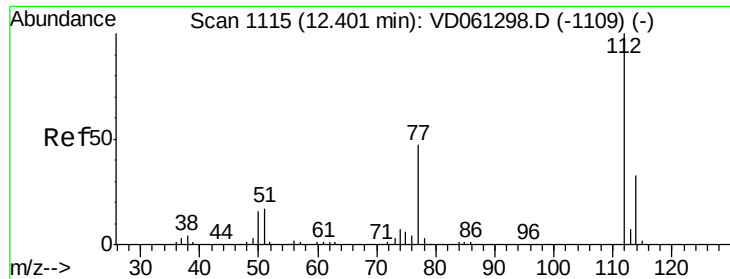
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#64
Tetrachloroethene
Concen: 20.053 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion:164 Resp: 148238
Ion Ratio Lower Upper
164 100
166 134.0 101.6 152.4
129 105.4 75.9 113.9
131 94.9 75.3 112.9





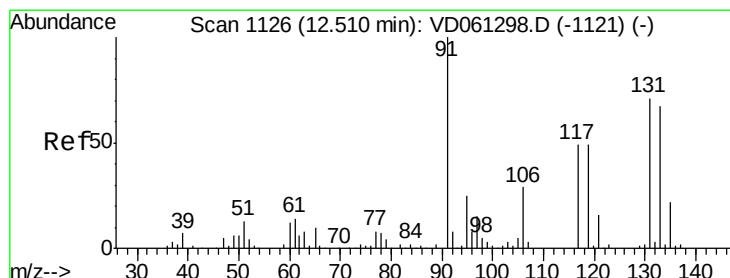
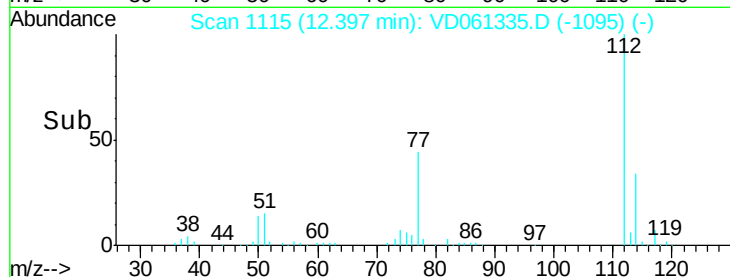
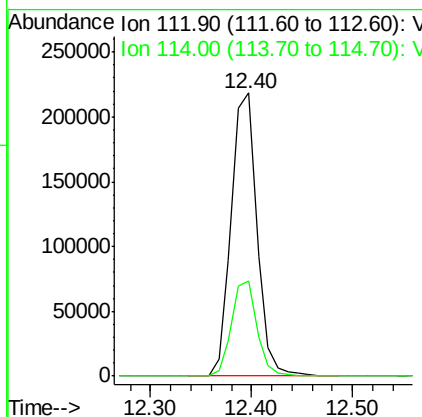
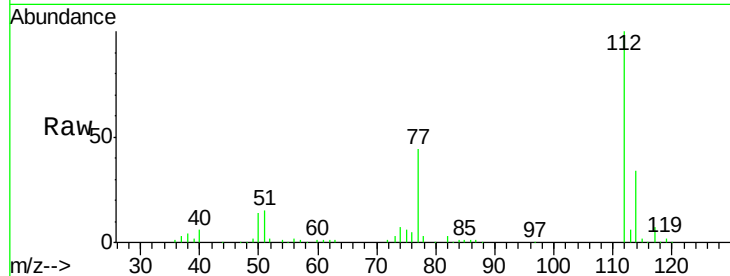
#65
Chlorobenzene
Concen: 19.648 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion:112 Resp: 388340
Ion Ratio Lower Upper
112 100
114 33.5 26.5 39.7

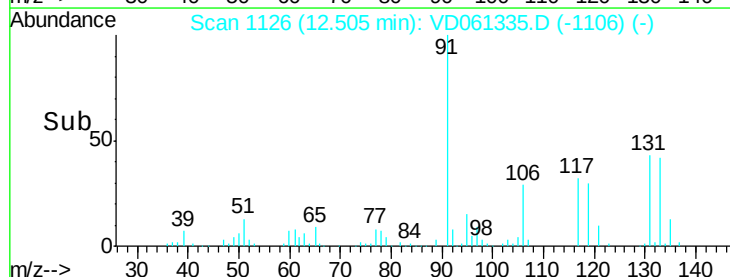
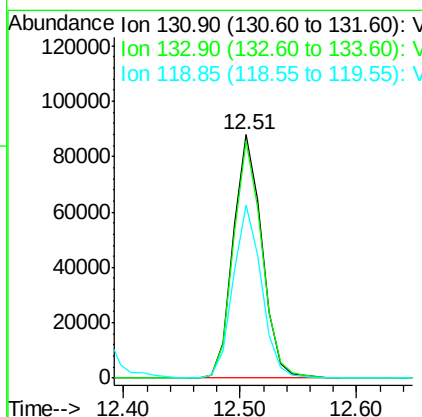
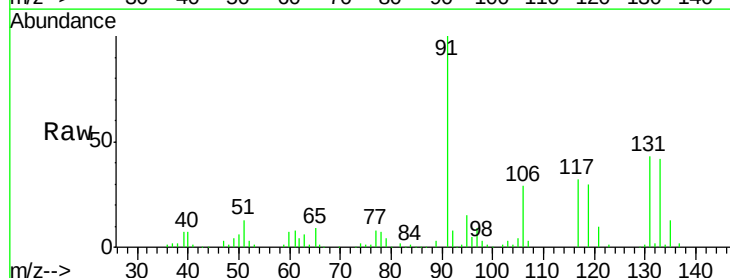
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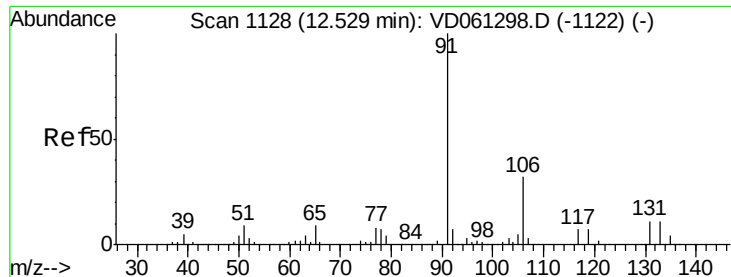
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.562 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion:131 Resp: 149907
Ion Ratio Lower Upper
131 100
133 97.7 47.0 141.2
119 71.0 34.8 104.5





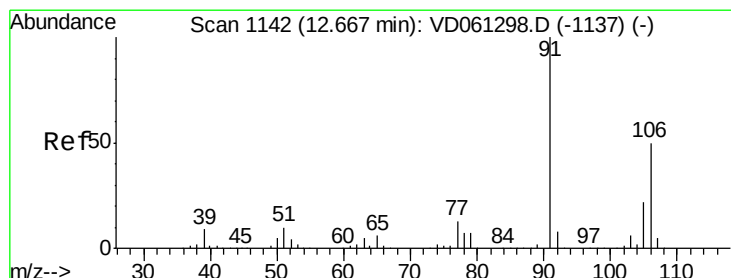
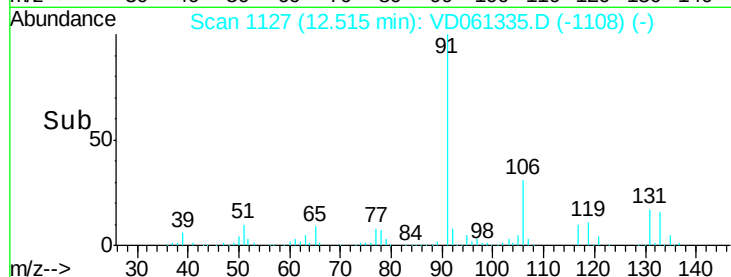
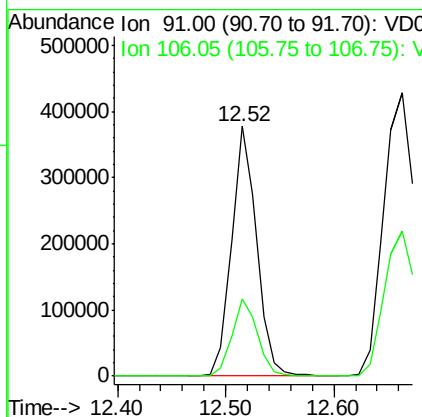
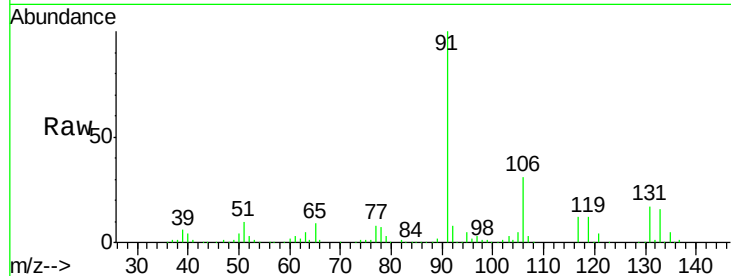
#67
Ethyl Benzene
Concen: 20.110 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion: 91 Resp: 608294
Ion Ratio Lower Upper
91 100
106 30.7 25.8 38.8

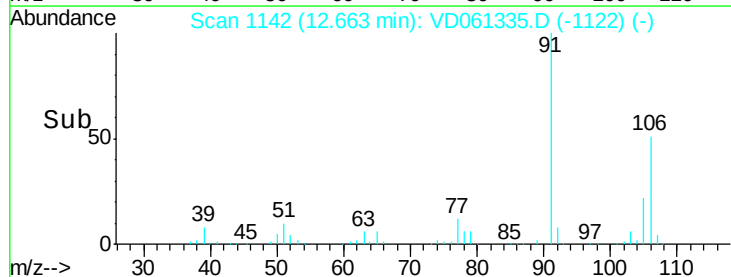
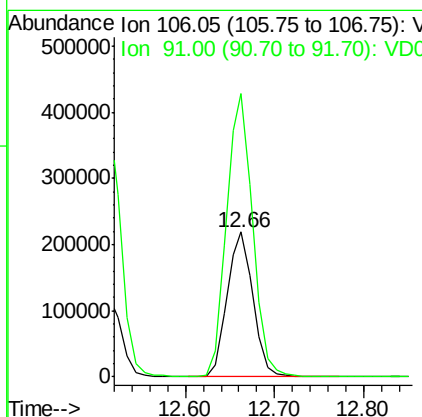
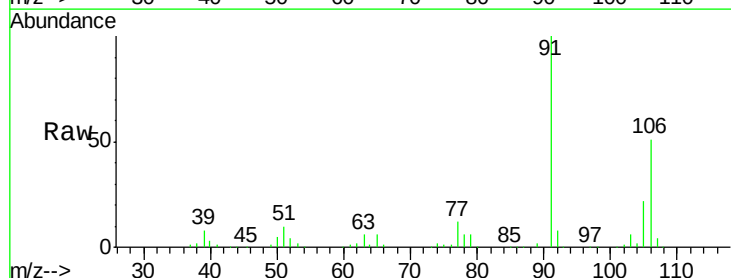
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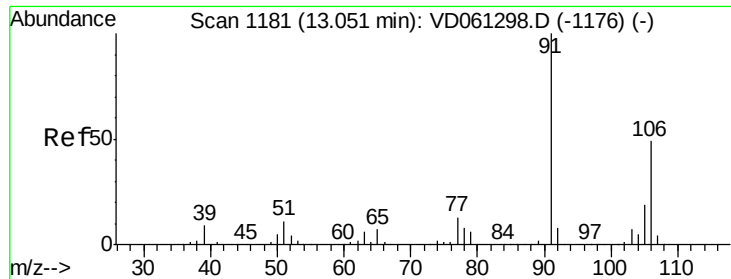
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#68
m/p-Xylenes
Concen: 37.960 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion: 106 Resp: 448216
Ion Ratio Lower Upper
106 100
91 195.8 159.2 238.8





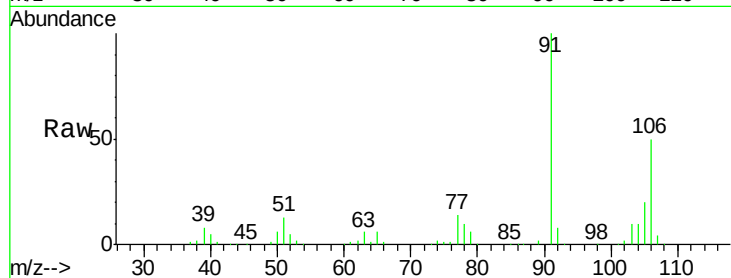
#69
o-Xylene
Concen: 20.146 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

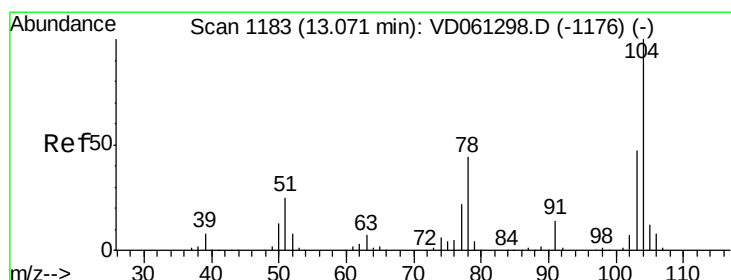
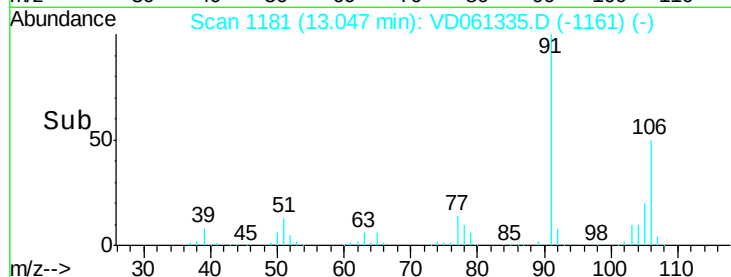
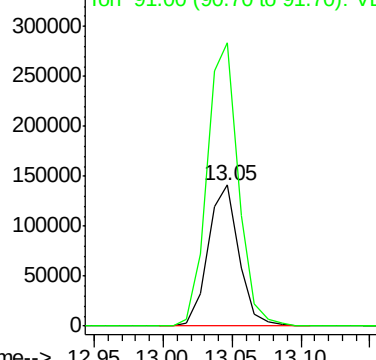
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		220621		
91	200.5	102.5	307.5		

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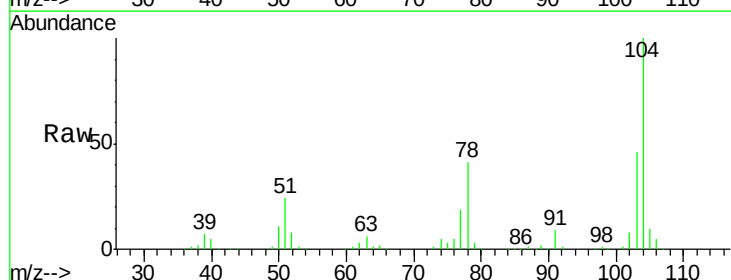


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

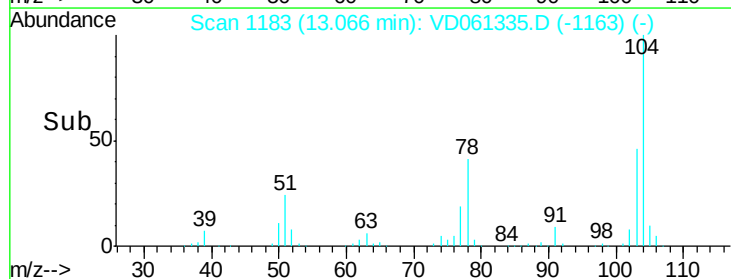
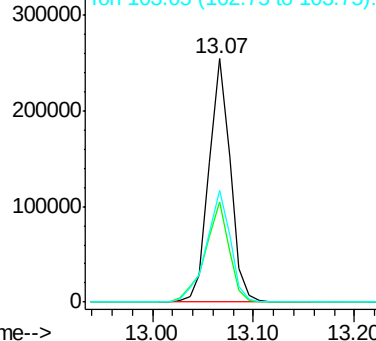


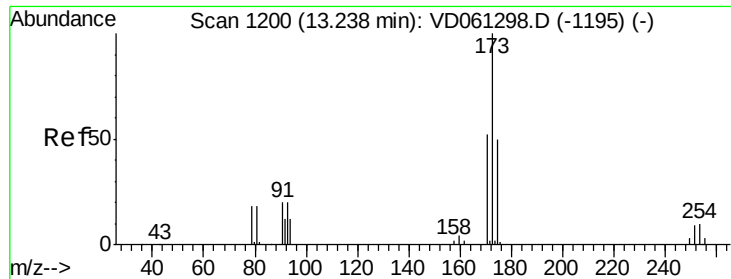
#70
Styrene
Concen: 20.188 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		375197		
78	41.4	35.1	52.7		
103	46.1	37.5	56.3		



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





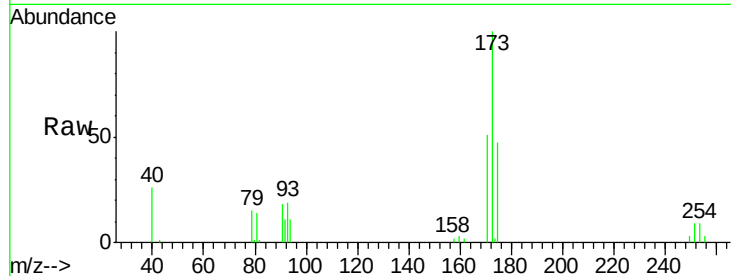
#71
Bromoform
Concen: 19.445 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

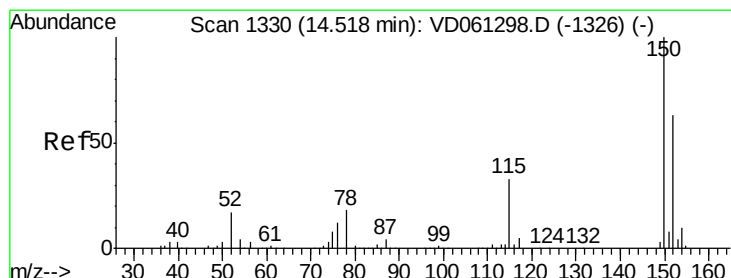
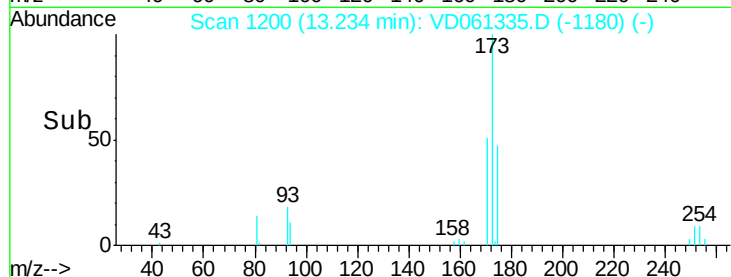
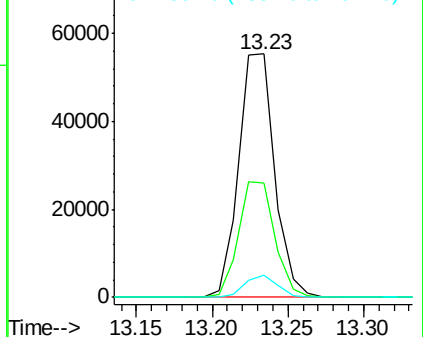
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.7	24.9	74.7
254	9.3	7.8	11.6

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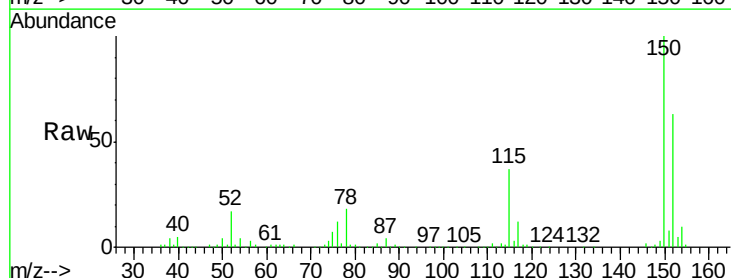


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

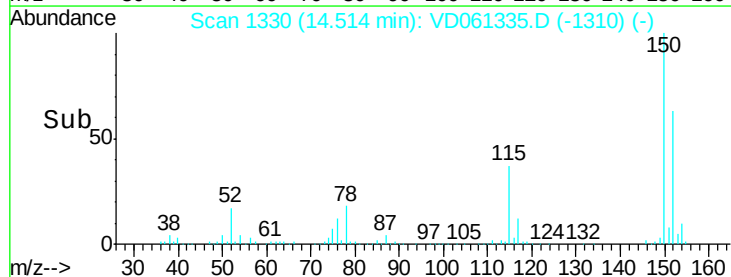
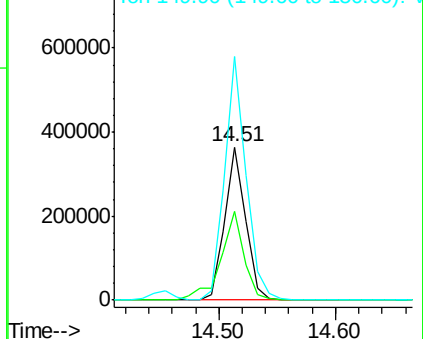


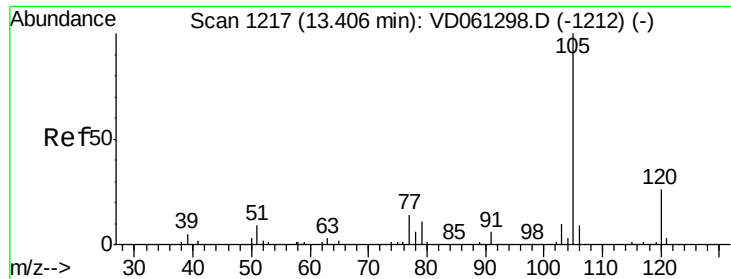
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.2	87.6
150	158.8	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: 18.362 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 105 Resp: 539433

Ion Ratio Lower Upper

105 100

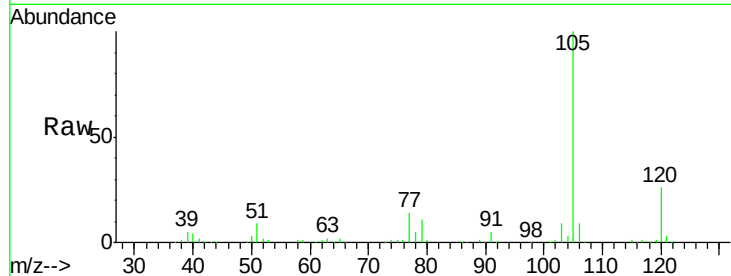
120 26.1 13.1 39.1

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

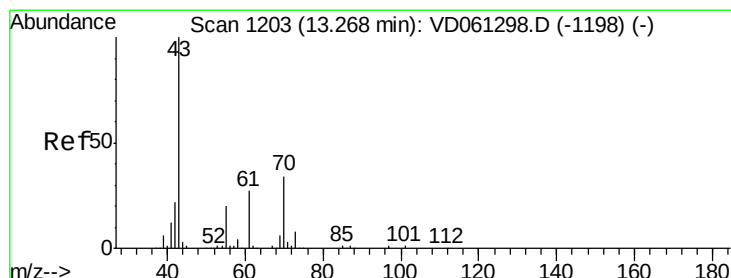
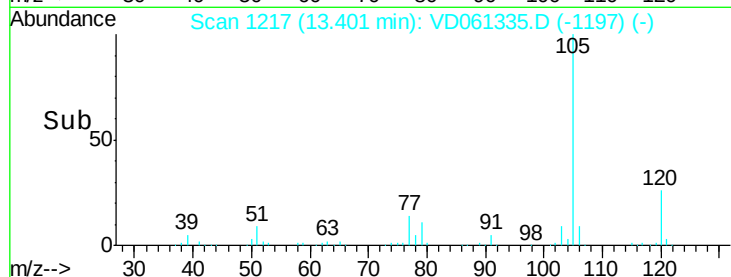
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.920 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Tgt Ion: 43 Resp: 145414

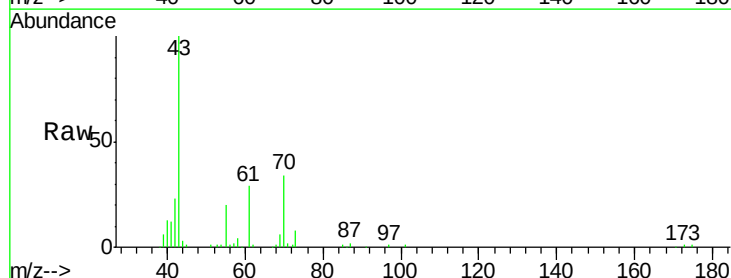
Ion Ratio Lower Upper

43 100

70 33.5 27.5 41.3

55 19.7 15.7 23.5

61 29.1 21.8 32.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

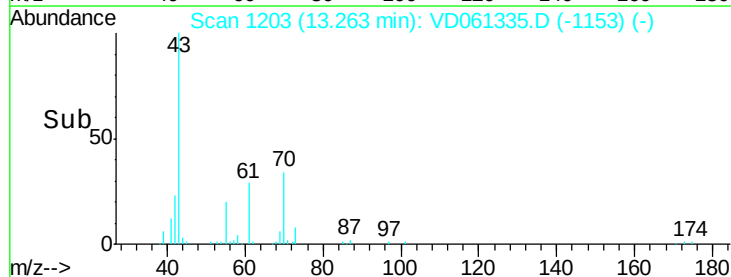
13.26

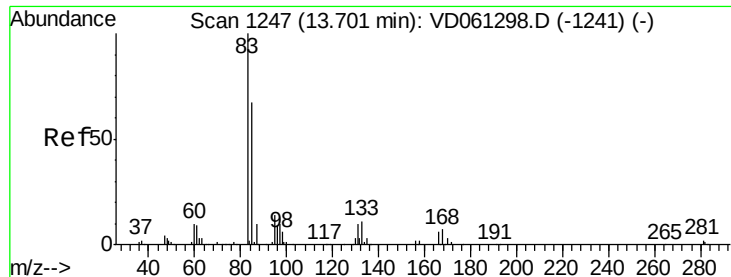
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.882 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

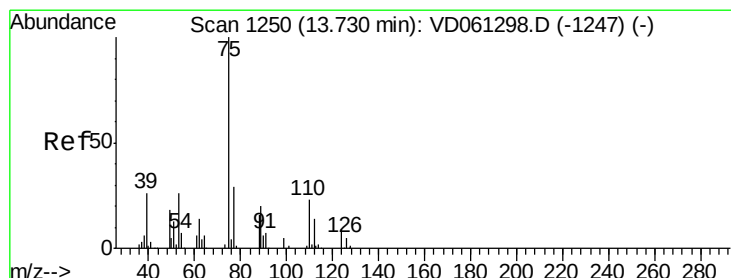
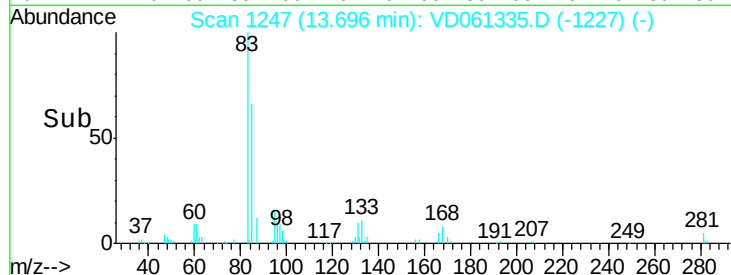
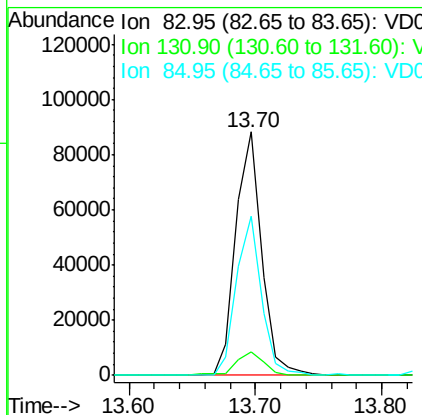
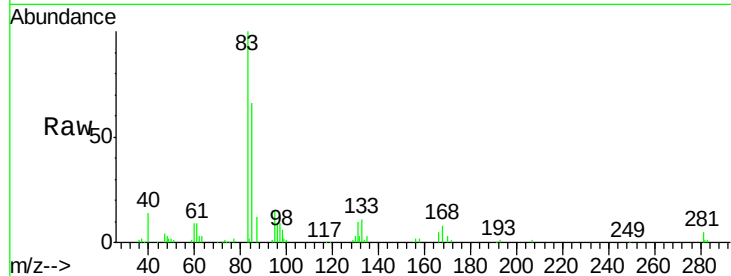
ClientSampleId :

VD0326SBS01

Tot Ion	83	Resp	124662
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	65.6	33.4	100.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.683 ug/l

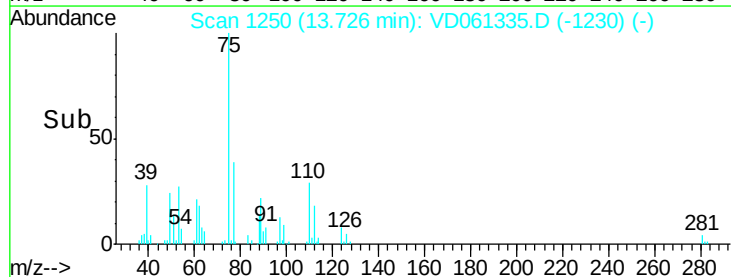
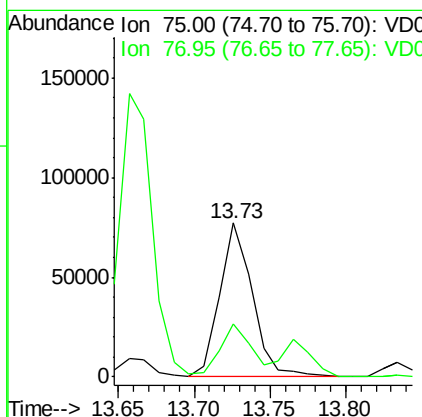
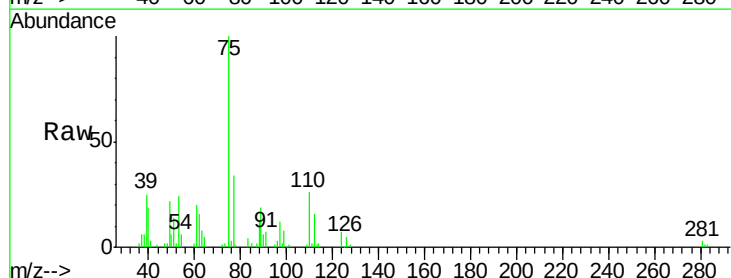
RT: 13.73 min Scan# 1250

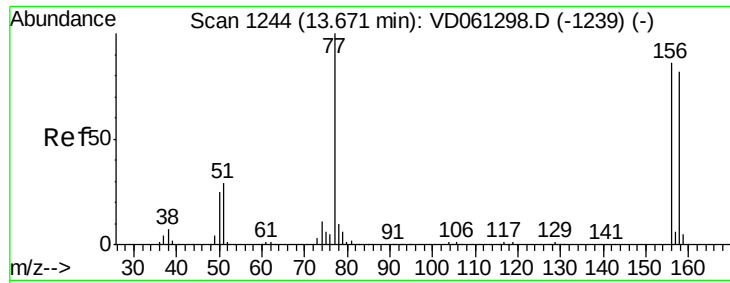
Delta R.T. -0.00 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Tgt Ion	75	Resp	116176
Ion Ratio	Lower	Upper	
75	100		
77	34.4	15.8	47.4





#77

Bromobenzene

Concen: 20.699 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

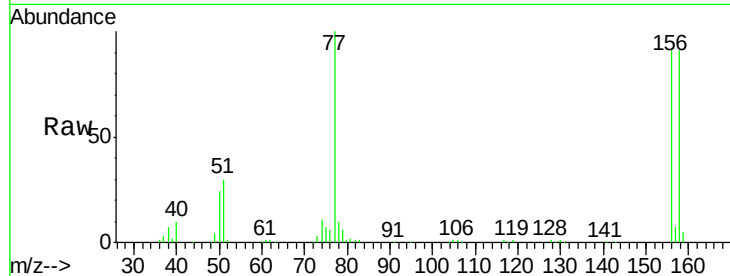
ClientSampleId :

VD0326SBS01

Tot Ion:	156	Resp:	169850
Ion Ratio	Lower	Upper	
156	100		
77	108.1	58.4	175.1
158	98.6	48.1	144.3

Manual Integrations
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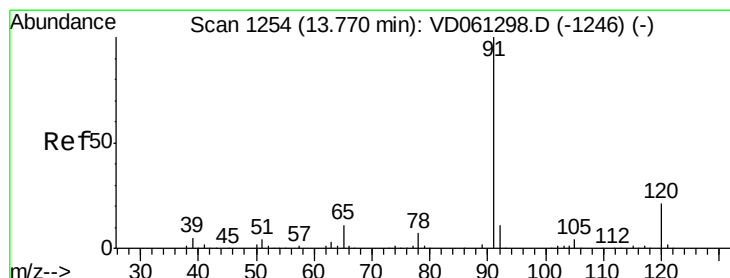
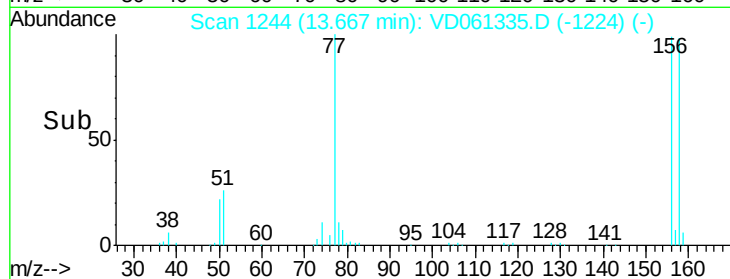
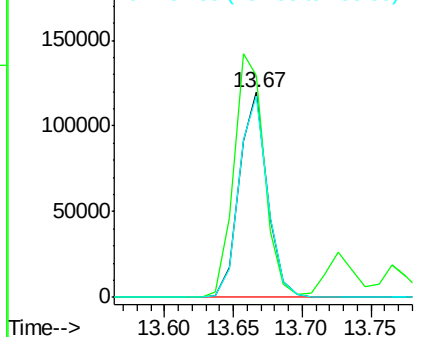
MMDadoda
3/27/2019 12:02:25 PM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.096 ug/l

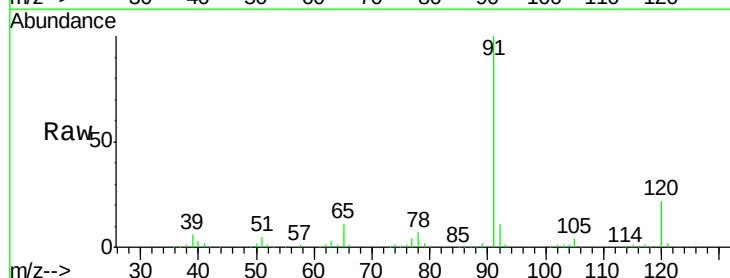
RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061335.D

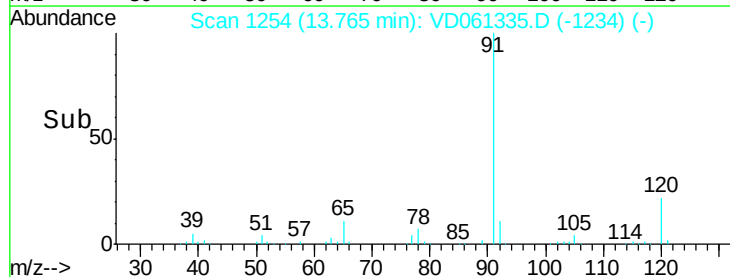
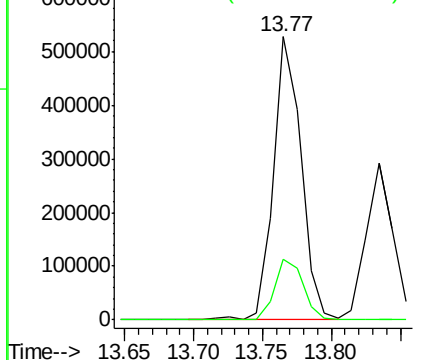
Acq: 26 Mar 2019 14:50

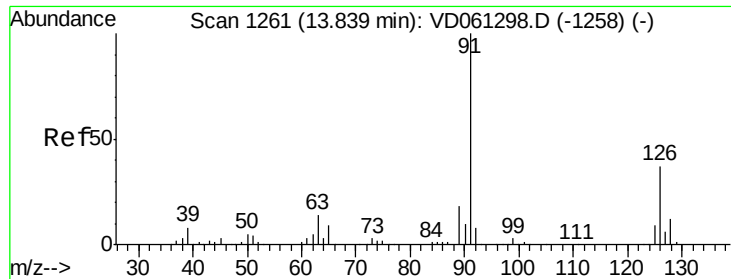
Tgt Ion:	91	Resp:	732338
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.430 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061335.D

Acq: 26 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 91 Resp: 394248

Ion Ratio Lower Upper

91 100

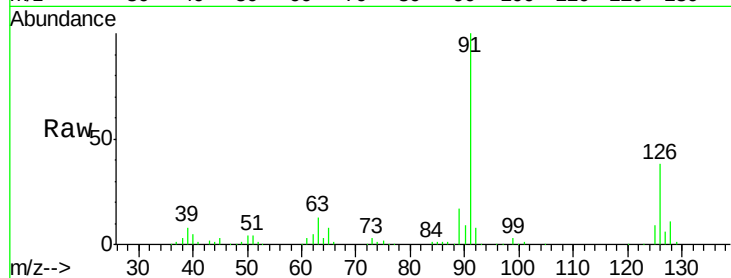
126 37.6 18.4 55.4

Manual Integrations

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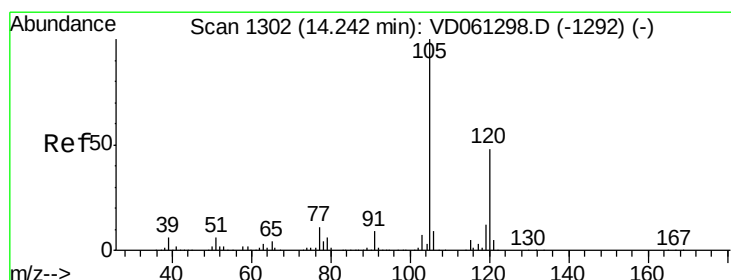
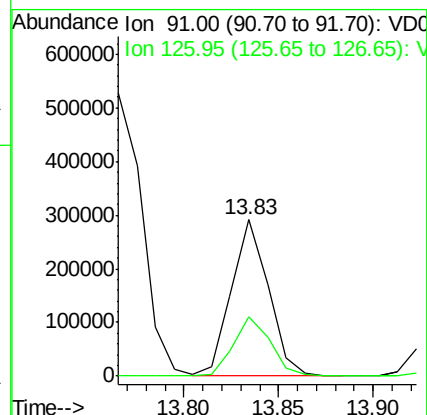
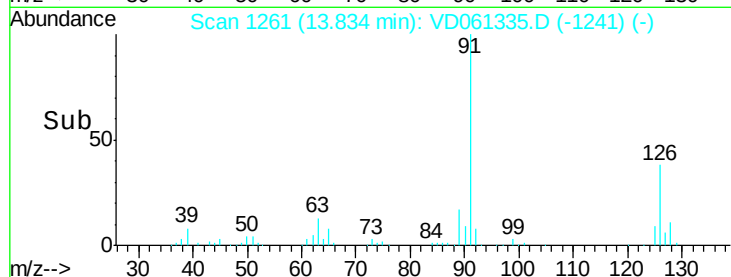
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Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.128 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD061335.D

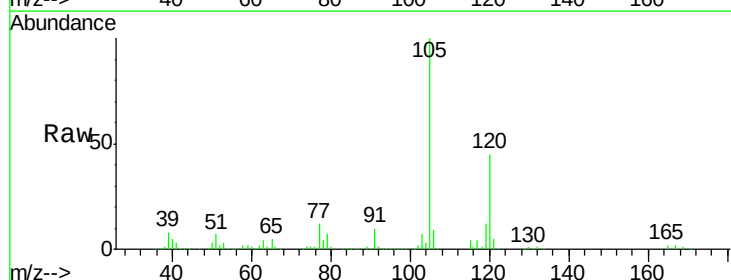
Acq: 26 Mar 2019 14:50

Tgt Ion: 105 Resp: 466460

Ion Ratio Lower Upper

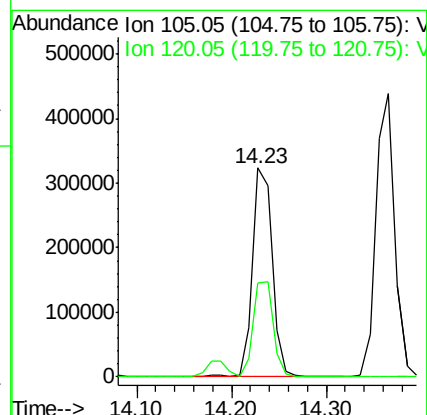
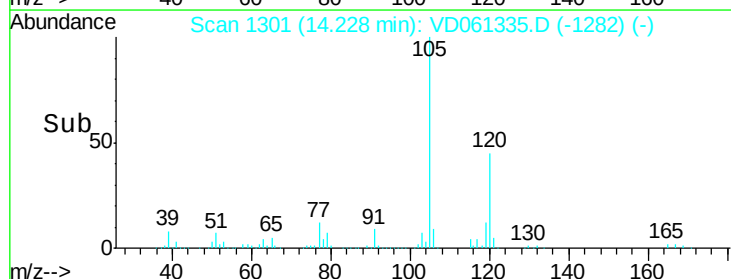
105 100

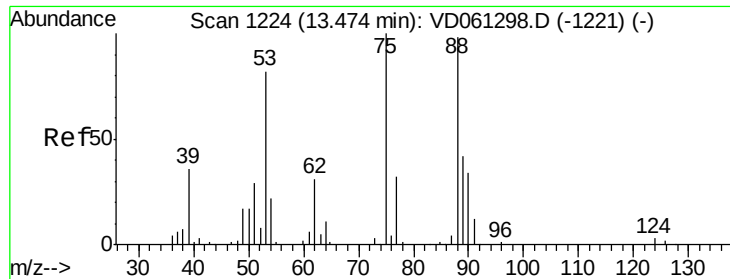
120 45.2 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)





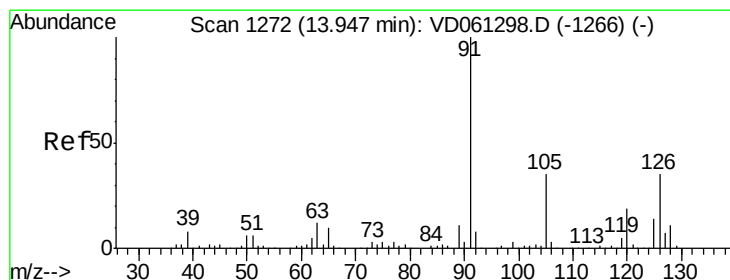
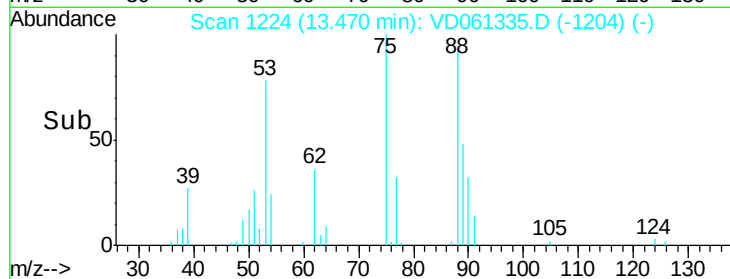
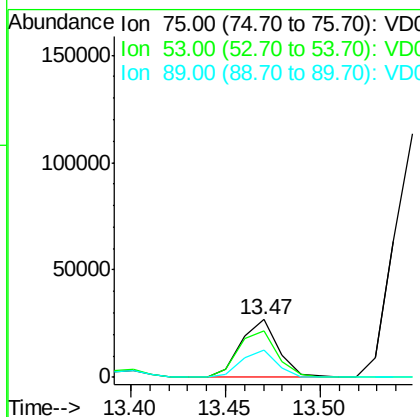
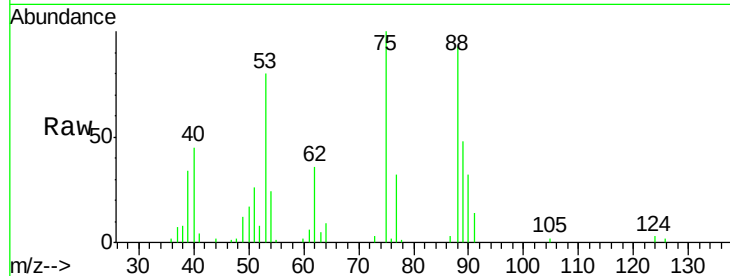
#81
trans-1,4-Dichloro-2-butene
Concen: 20.907 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.6	65.3	97.9
89	48.4	33.8	50.6

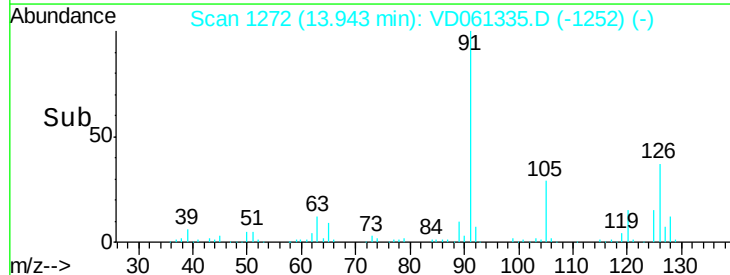
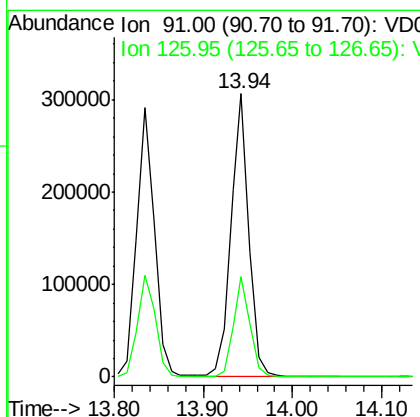
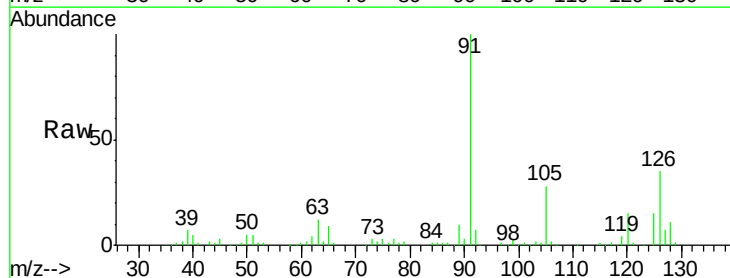
Manual Integrations
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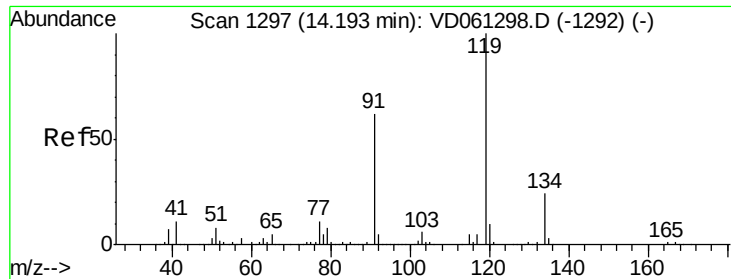
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#82
4-Chlorotoluene
Concen: 20.560 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.7	53.1





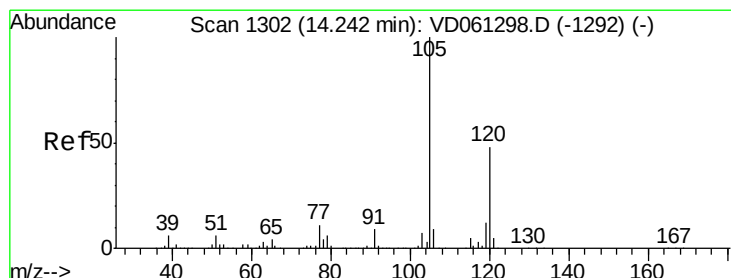
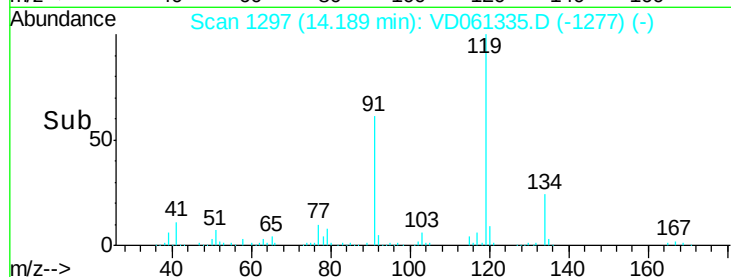
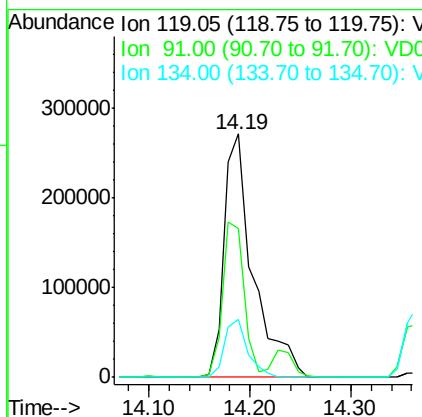
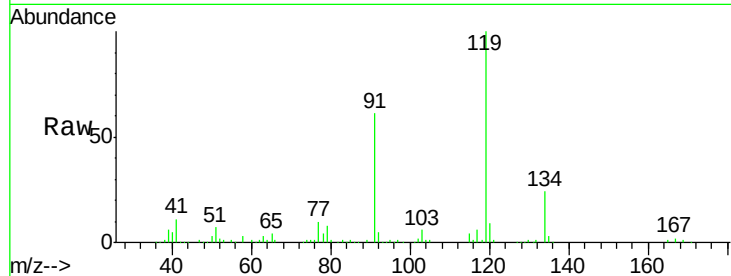
#83
tert-Butylbenzene
Concen: 20.523 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	543066		
91	61.1		31.1	93.5
134	24.0		11.9	35.7

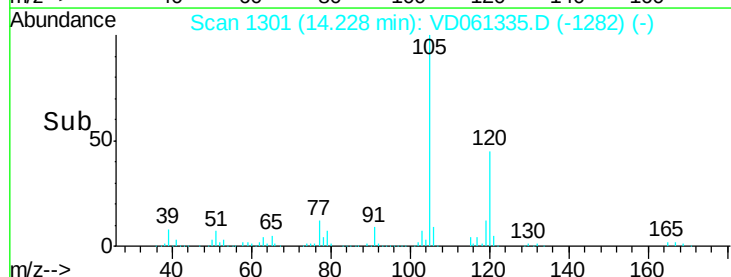
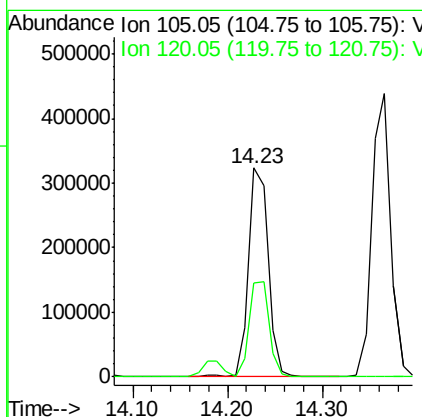
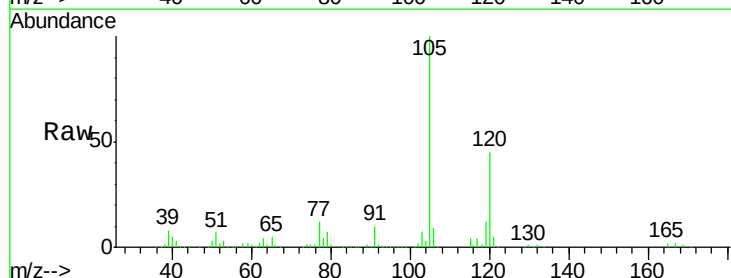
Manual Integrations
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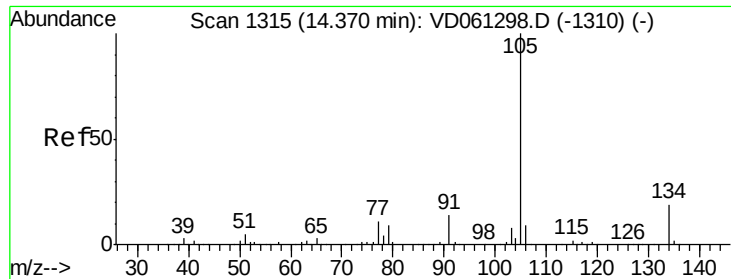
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.128 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	466460		
120	45.2		23.8	71.4





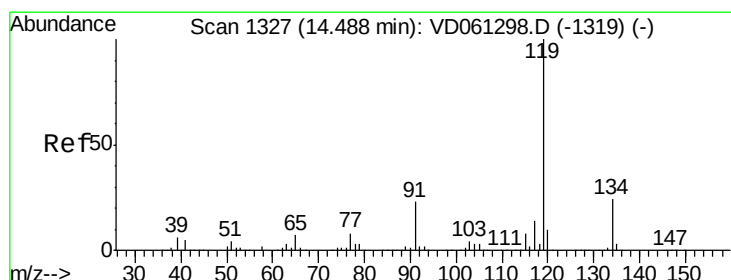
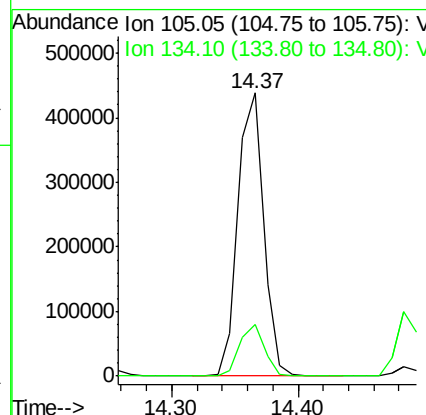
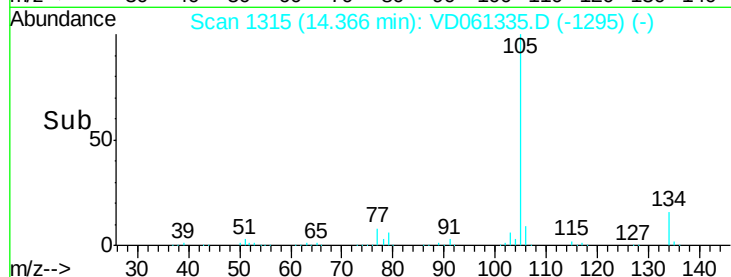
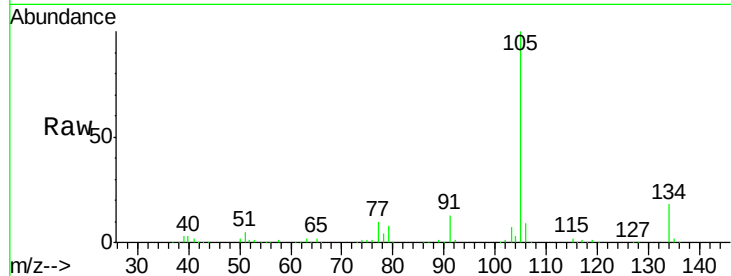
#85
 sec-Butylbenzene
 Concen: 20.818 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion:105 Resp: 613463
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.5 28.5

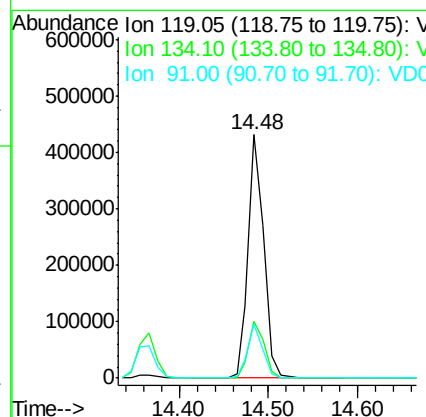
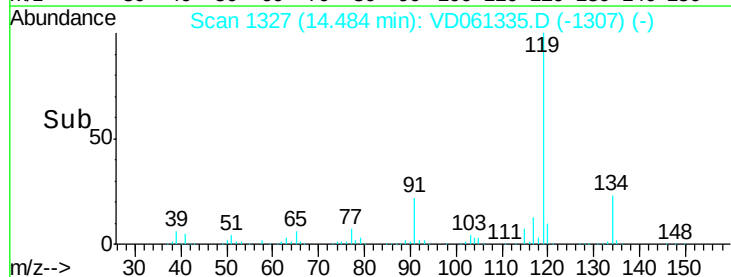
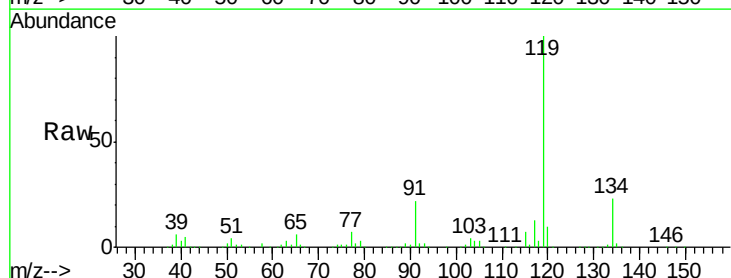
Manual Integrations
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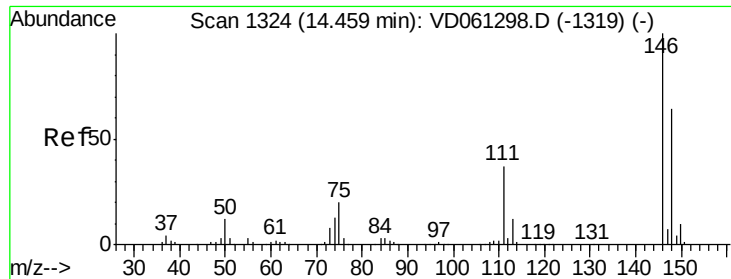
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#86
 p-Isopropyltoluene
 Concen: 19.978 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Tgt Ion:119 Resp: 525241
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.1 36.3
 91 22.2 11.4 34.2





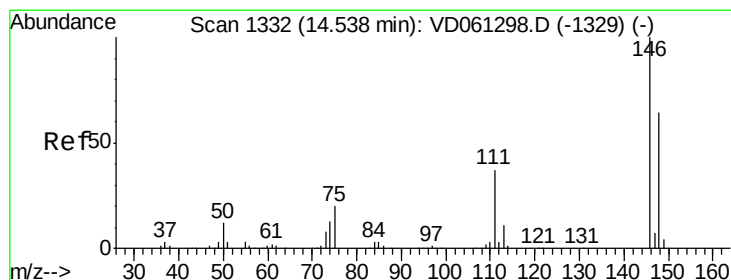
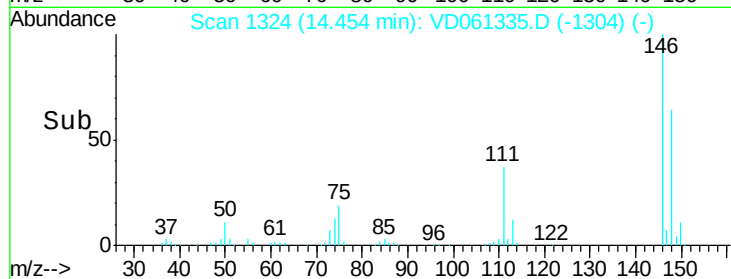
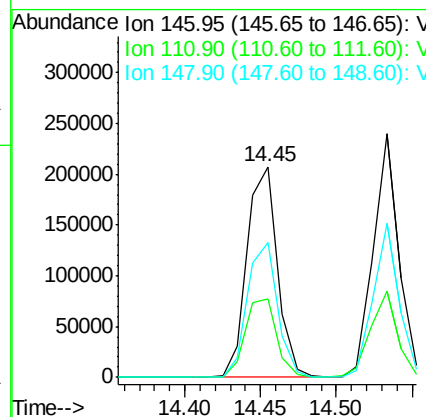
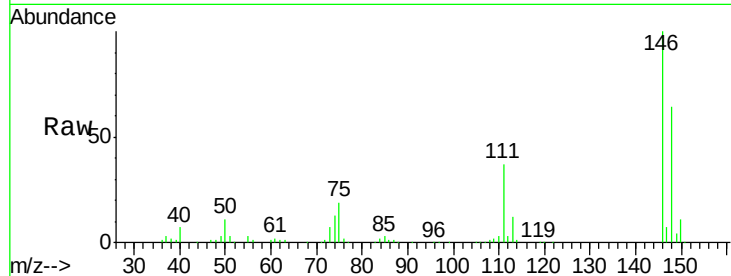
#87
 1,3-Dichlorobenzene
 Concen: 19.953 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	64.2	32.0	96.2

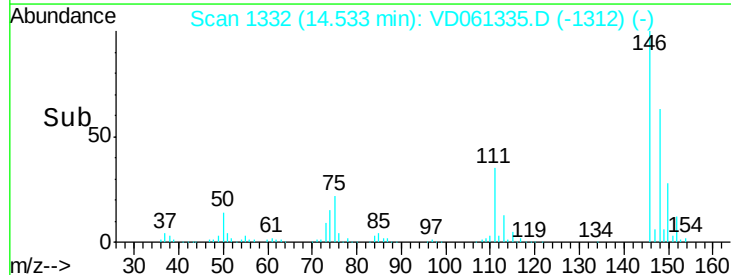
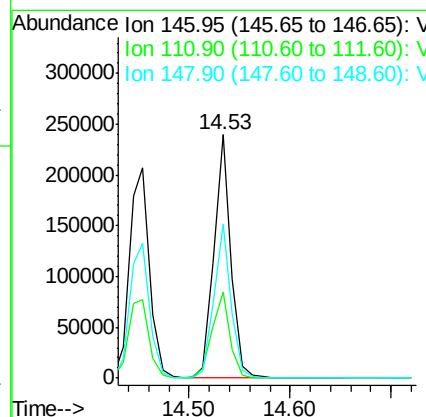
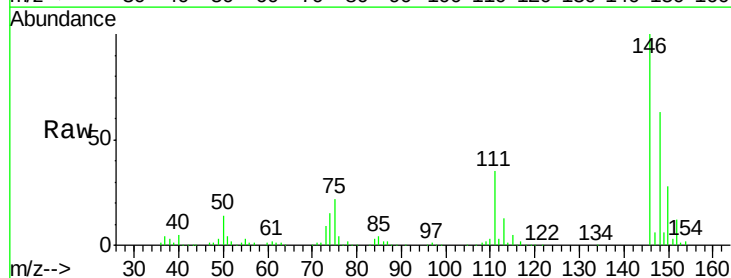
Manual Integrations
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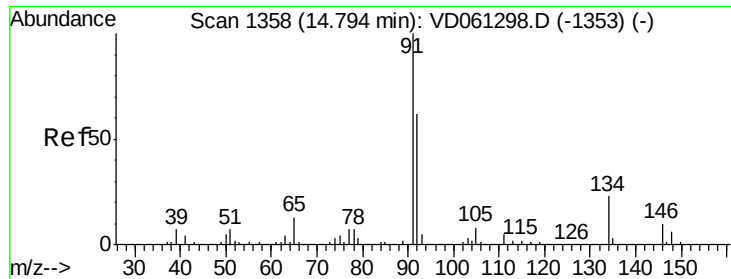
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#88
 1,4-Dichlorobenzene
 Concen: 20.080 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	18.6	55.6
148	63.4	31.9	95.5





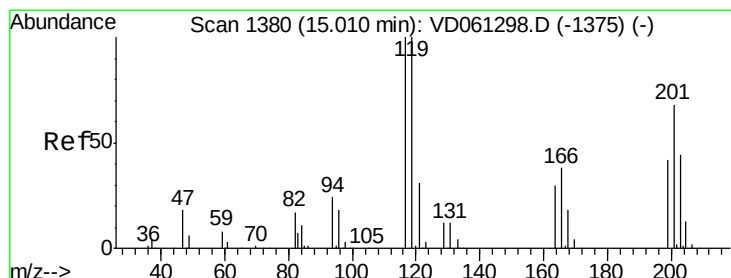
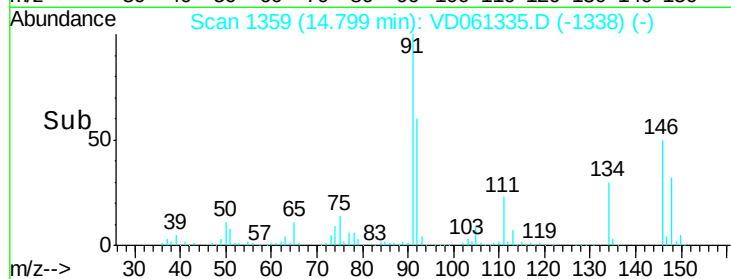
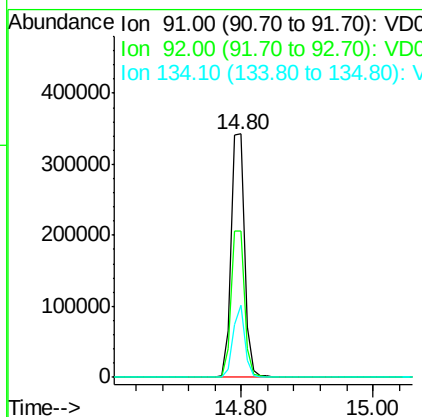
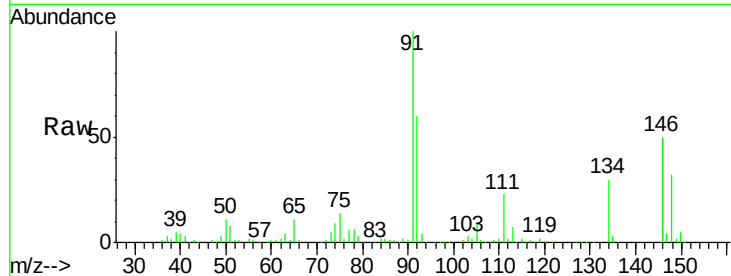
#89
n-Butylbenzene
Concen: 21.295 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.1	30.9	92.7
134	29.6	11.7	35.0

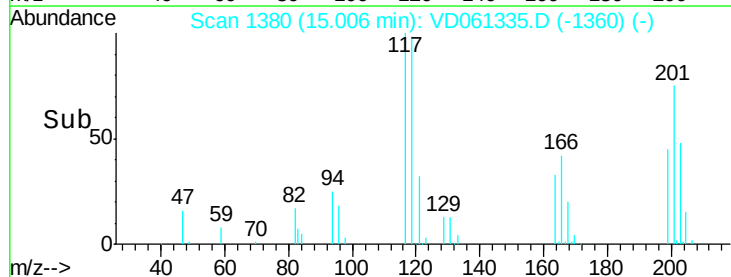
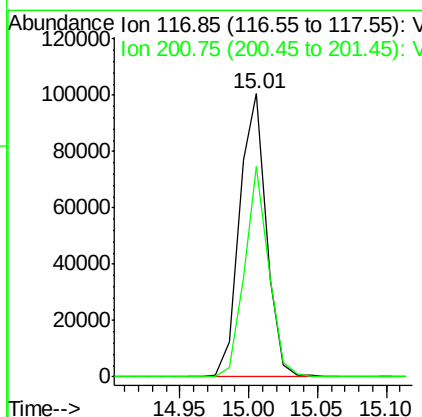
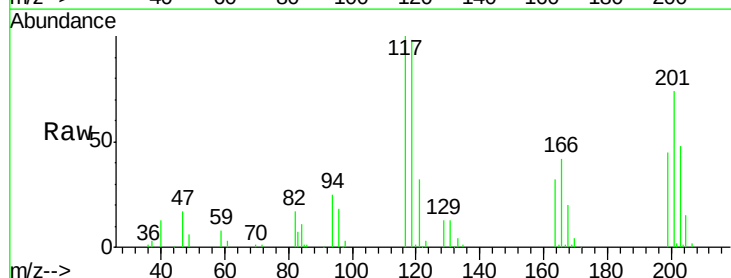
Manual Integrations
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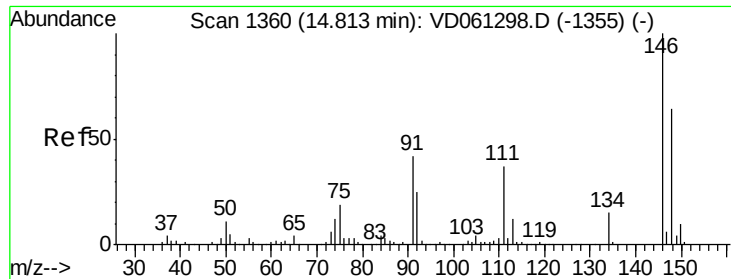
MMDadoda
3/27/2019 12:02:25 PM



#90
Hexachloroethane
Concen: 19.240 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.2	34.0	101.8





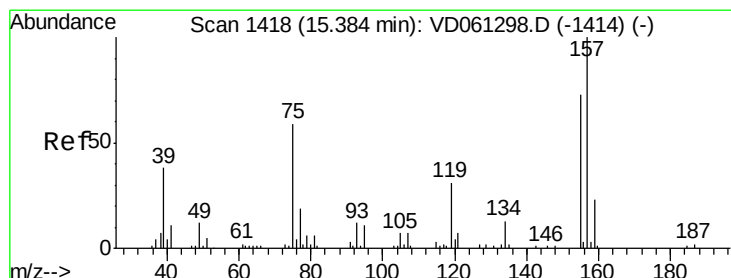
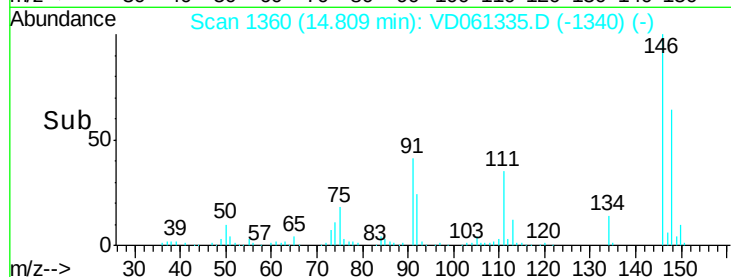
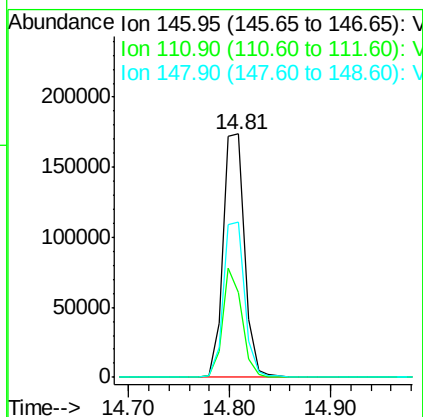
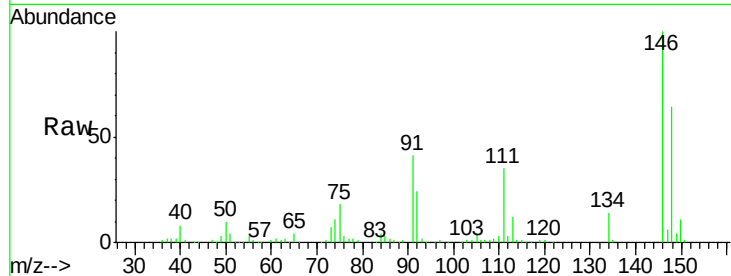
#91
 1,2-Dichlorobenzene
 Concen: 22.231 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.1	18.3	54.8
148	63.9	31.9	95.7

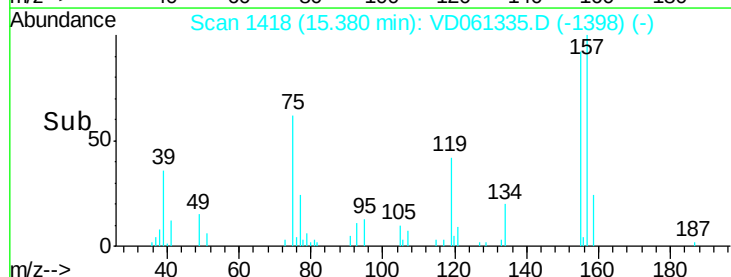
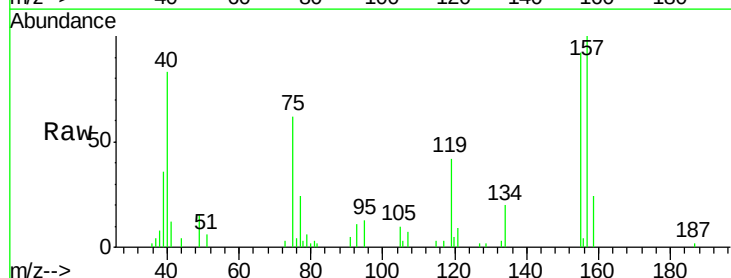
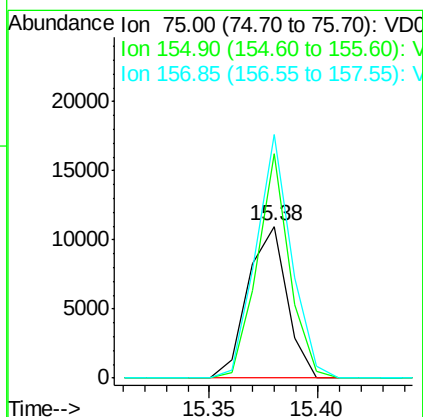
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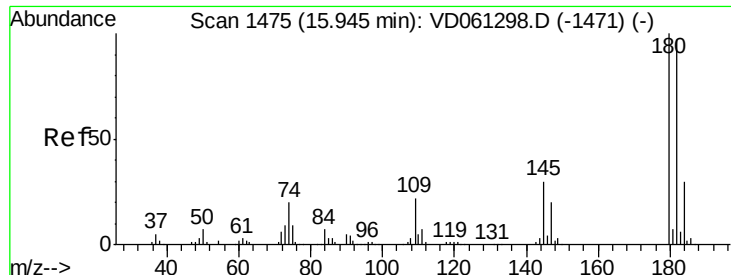
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.401 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	147.9	61.9	185.7
157	160.1	84.4	253.2





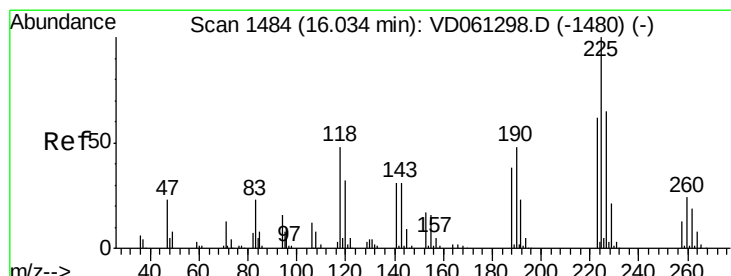
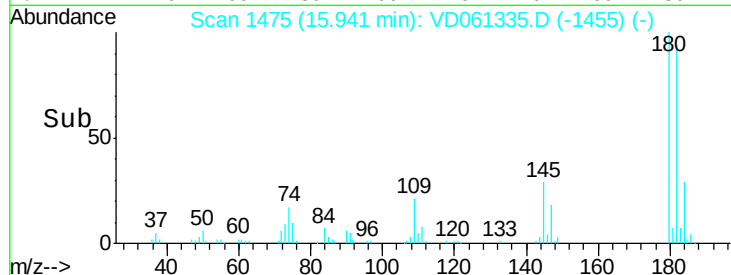
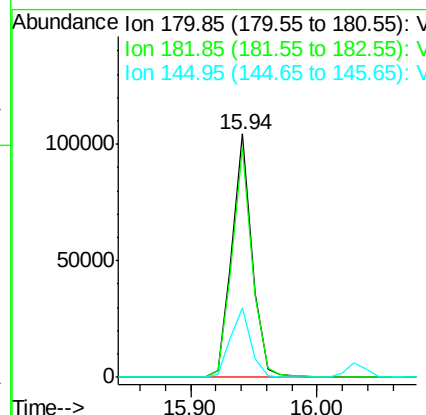
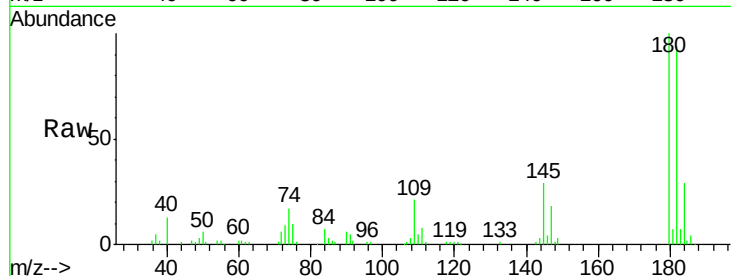
#93
 1,2,4-Trichlorobenzene
 Concen: 21.385 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.3	144.9
145	28.6	14.8	44.4

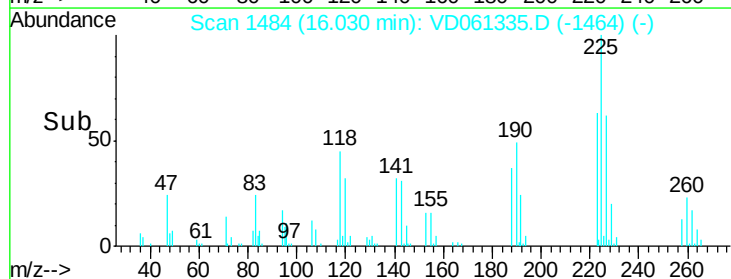
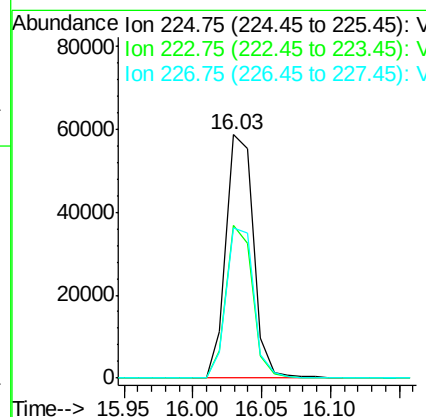
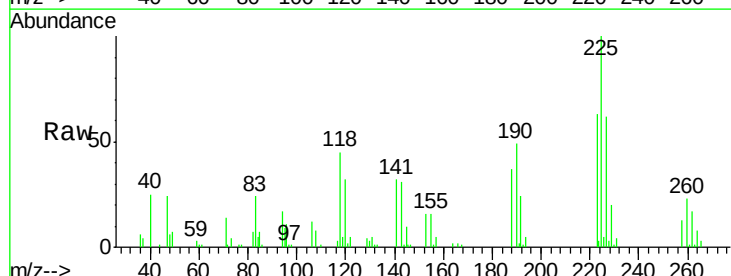
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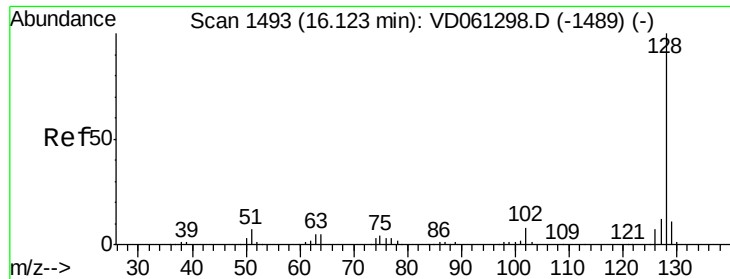
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 3/27/2019 12:02:25 PM



#94
 Hexachlorobutadiene
 Concen: 18.804 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061335.D
 Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.8
227	61.6	32.6	97.7





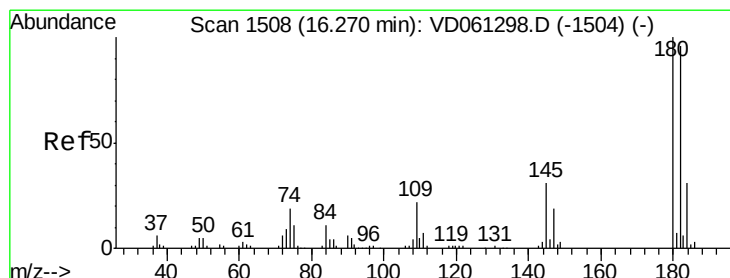
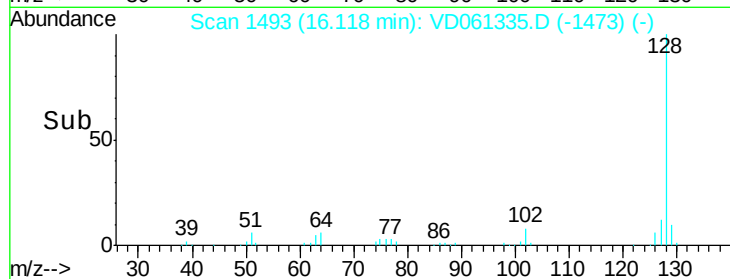
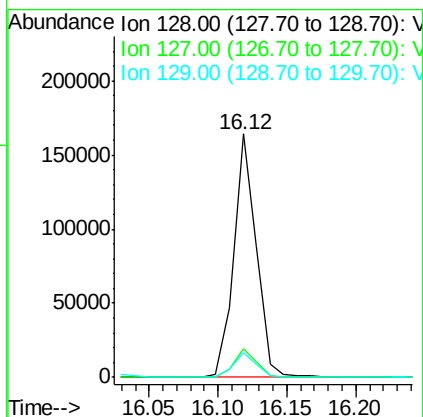
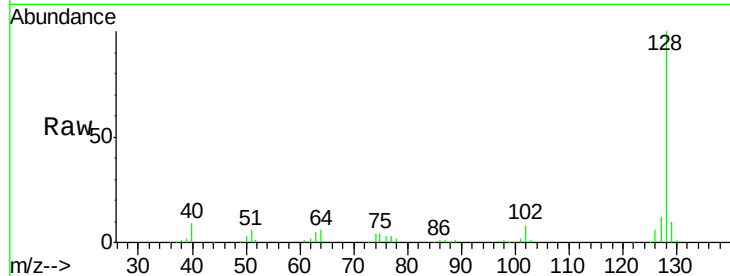
#95
Naphthalene
Concen: 23.876 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	186732		
127	11.9		9.8	14.6
129	10.2		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.762 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061335.D
Acq: 26 Mar 2019 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	44468		
182	95.4		48.0	144.2
145	31.5		15.4	46.4

