

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061352.D
 Acq On : 27 Mar 2019 13:35
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:01:39 PM

Quant Time: Mar 28 09:21:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:14:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	743351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1327164	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	935725	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	436397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	452354	71.24	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	142.48%	
35) Dibromofluoromethane	6.90	113	708704	69.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.76%	
50) Toluene-d8	10.38	98	1716191	70.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.10%	
62) 4-Bromofluorobenzene	13.54	95	636136	68.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	580891	73.172	ug/l	99
3) Chloromethane	1.76	50	466407	72.038	ug/l	100
4) Vinyl Chloride	1.85	62	448220	75.399	ug/l	97
5) Bromomethane	2.15	94	80589	68.365	ug/l	99
6) Chloroethane	2.26	64	136671	78.398	ug/l	99
7) Trichlorofluoromethane	2.53	101	573365	66.328	ug/l	100
8) Diethyl Ether	2.86	74	199590	71.712	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	668900	71.976	ug/l	99
10) Methyl Iodide	3.30	142	1067785	73.805	ug/l	99
11) Tert butyl alcohol	4.04	59	156842	396.608	ug/l	99
12) 1,1-Dichloroethene	3.12	96	591272	74.105	ug/l	96
13) Acrolein	3.03	56	111746	383.070	ug/l	95
14) Allyl chloride	3.61	41	823178	73.969	ug/l	99
15) Acrylonitrile	4.17	53	519948	378.817	ug/l	96
16) Acetone	3.21	43	686446	420.521	ug/l	100
17) Carbon Disulfide	3.37	76	1822158	70.289	ug/l	98
18) Methyl Acetate	3.62	43	254936	74.279	ug/l	100
19) Methyl tert-butyl Ether	4.21	73	1072394	77.645	ug/l	99
20) Methylene Chloride	3.80	84	665129	73.643	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	624860	72.538	ug/l	99
22) Diisopropyl ether	5.10	45	1732702	73.576	ug/l	99
23) Vinyl Acetate	5.03	43	4689903	366.621	ug/l	100
24) 1,1-Dichloroethane	4.96	63	999374	72.209	ug/l	99
25) 2-Butanone	6.04	43	820193	399.435	ug/l	100
26) 2,2-Dichloropropane	6.00	77	834877	75.884	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	719072	76.188	ug/l	96
28) Bromochloromethane	6.42	49	409390	73.278	ug/l #	93
29) Tetrahydrofuran	6.43	42	390216	392.073	ug/l	99
30) Chloroform	6.64	83	1071269	74.911	ug/l	99
31) Cyclohexane	6.94	56	790811	72.306	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	907953	71.967	ug/l	98
36) 1,1-Dichloropropene	7.13	75	735340	63.484	ug/l	99
37) Ethyl Acetate	6.15	43	354905	71.643	ug/l	97
38) Carbon Tetrachloride	7.09	117	914219m	69.318	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	837056	69.386	ug/l	99
40) Benzene	7.43	78	1942256	66.812	ug/l	96
41) Methacrylonitrile	6.42	41	436067	75.285	ug/l #	95
42) 1,2-Dichloroethane	7.55	62	628527	72.280	ug/l	98
43) Isopropyl Acetate	9.21	43	563199	78.138	ug/l #	98
44) Trichloroethene	8.51	130	783984	72.467	ug/l	95
45) 1,2-Dichloropropane	8.92	63	526088	71.368	ug/l	100
46) Dibromomethane	9.04	93	370806	74.736	ug/l	96
47) Bromodichloromethane	9.35	83	818837	73.531	ug/l	97
48) Methyl methacrylate	9.09	41	291182	73.201	ug/l	96
49) 1,4-Dioxane	9.06	88	69343	1580.450	ug/l	96
51) 4-Methyl-2-Pentanone	10.28	43	1560882	355.949	ug/l	96
52) Toluene	10.48	92	1250517	70.511	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	733373	72.485	ug/l	100
54) cis-1,3-Dichloropropene	10.01	75	858731	69.704	ug/l	97
55) 1,1,2-Trichloroethane	11.16	97	455545	73.447	ug/l	99
56) Ethyl methacrylate	11.01	69	484933	72.779	ug/l	96
57) 1,3-Dichloropropane	11.39	76	639841	70.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.83	63	1015192	312.861	ug/l	99
59) 2-Hexanone	11.51	43	1144173	360.124	ug/l	97
60) Dibromochloromethane	11.66	129	705855	73.821	ug/l	98
61) 1,2-Dibromoethane	11.78	107	520113	72.418	ug/l	97
64) Tetrachloroethene	11.23	164	553218	75.332	ug/l	97
65) Chlorobenzene	12.38	112	1471452	76.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.49	131	550481	74.346	ug/l	98
67) Ethyl Benzene	12.51	91	1990570	68.196	ug/l	99
68) m/p-Xylenes	12.65	106	1615593	146.117	ug/l	95
69) o-Xylene	13.03	106	851673	79.375	ug/l	99
70) Styrene	13.05	104	1466054	78.381	ug/l	95
71) Bromoform	13.22	173	388807	82.837	ug/l	98
73) Isopropylbenzene	13.39	105	1903121	62.659	ug/l	100
74) N-amyl acetate	13.25	43	600005	70.915	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.68	83	458741	71.598	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	469586	74.492	ug/l	99
77) Bromobenzene	13.65	156	644385	71.564	ug/l	91
78) n-propylbenzene	13.76	91	2477471	66.654	ug/l	98
79) 2-Chlorotoluene	13.83	91	1333643	66.081	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	1570995	62.591	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	155798	81.058	ug/l	99
82) 4-Chlorotoluene	13.93	91	1395392	63.587	ug/l	88
83) tert-Butylbenzene	14.17	119	2136587	72.548	ug/l	97
84) 1,2,4-Trimethylbenzene	14.22	105	1895483	74.295	ug/l	98
85) sec-Butylbenzene	14.35	105	2037502	65.123	ug/l	99
86) p-Isopropyltoluene	14.48	119	1719114	64.980	ug/l	100
87) 1,3-Dichlorobenzene	14.44	146	1066648	69.954	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1008802	67.843	ug/l	99
89) n-Butylbenzene	14.78	91	1437533	59.201	ug/l	99
90) Hexachloroethane	14.99	117	554091	74.135	ug/l	75
91) 1,2-Dichlorobenzene	14.79	146	753791	60.270	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	59042	78.570	ug/l	85

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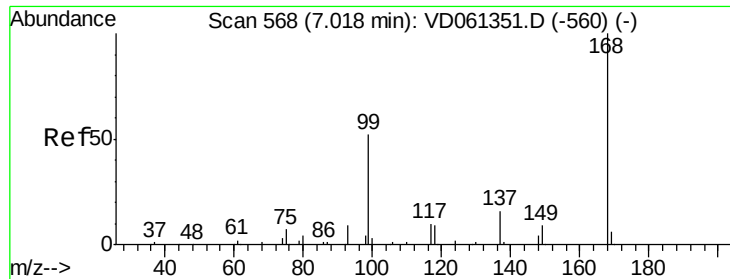
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	381903	67.032	ug/l	95
94) Hexachlorobutadiene	16.03	225	276498	62.106	ug/l	99
95) Naphthalene	16.11	128	616377	70.976	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	145026	57.846	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 168 Resp: 743351

Ion Ratio Lower Upper

168 100

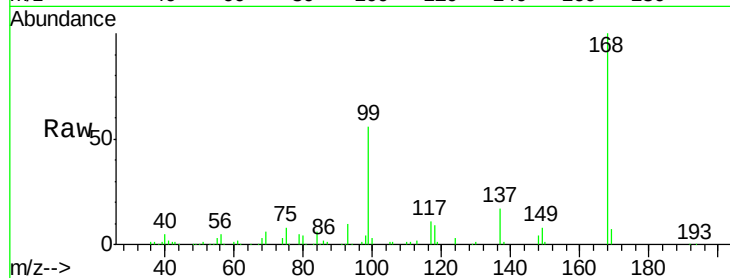
99 55.7 43.1 64.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

250000

200000

150000

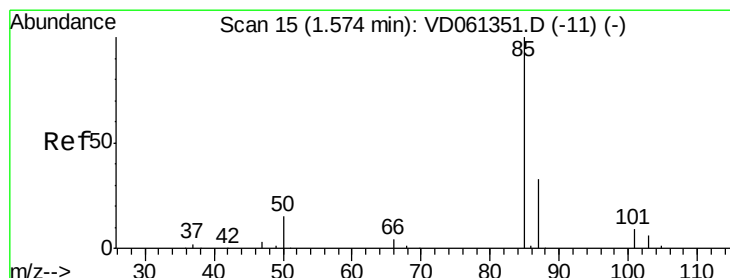
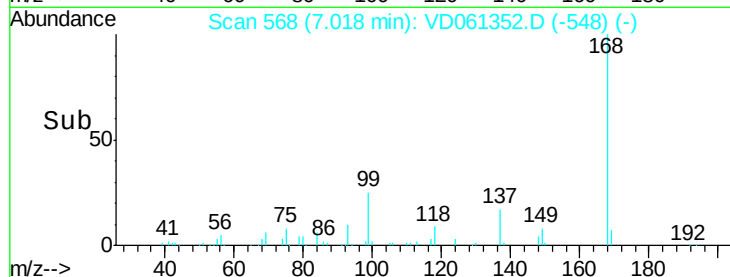
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 73.172 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061352.D

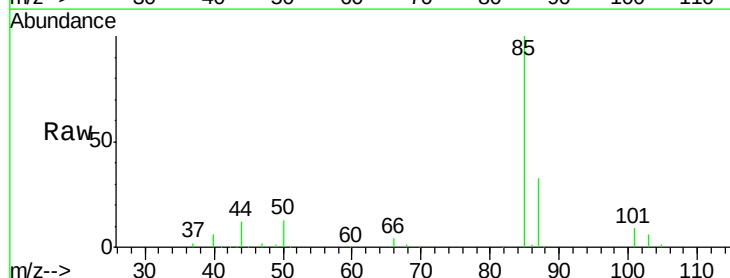
Acq: 27 Mar 2019 13:35

Tgt Ion: 85 Resp: 580891

Ion Ratio Lower Upper

85 100

87 32.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

250000

200000

150000

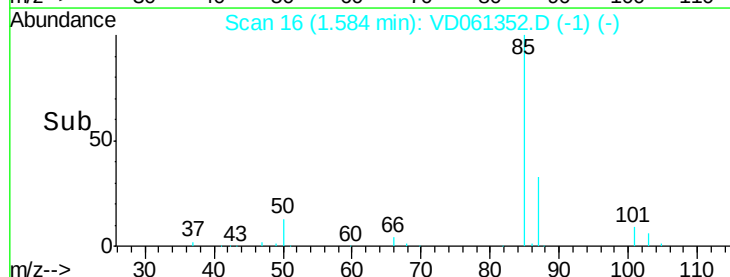
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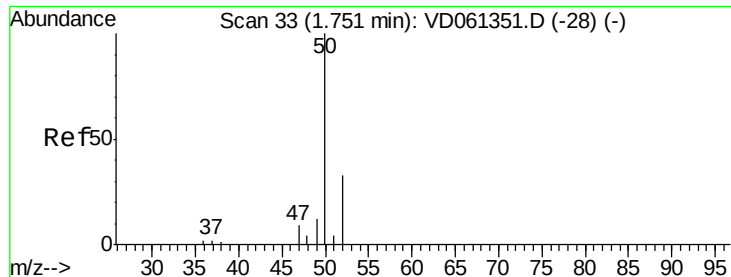
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 72.038 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 50 Resp: 466407

Ion Ratio Lower Upper

50 100

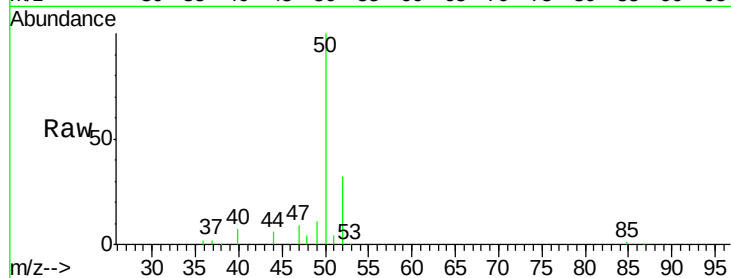
52 32.3 26.1 39.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

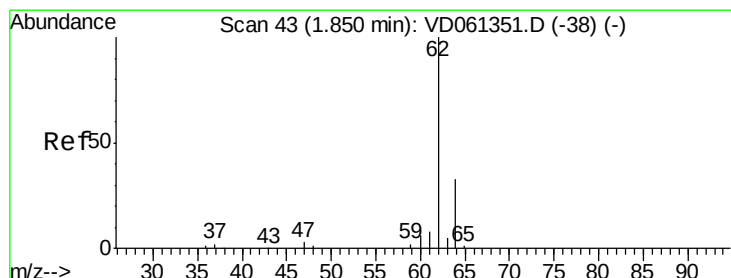
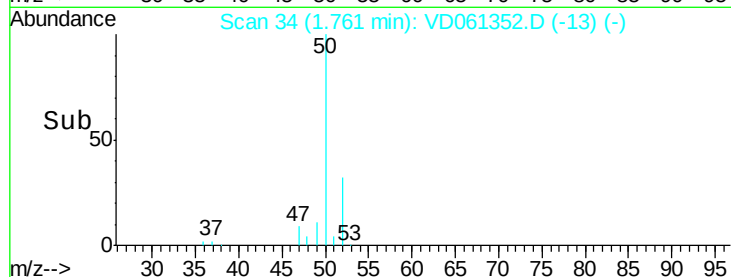
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 75.399 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061352.D

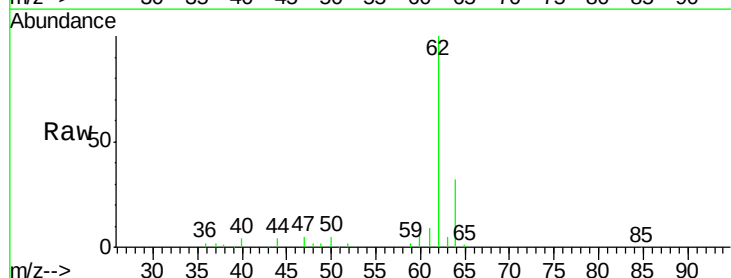
Acq: 27 Mar 2019 13:35

Tgt Ion: 62 Resp: 448220

Ion Ratio Lower Upper

62 100

64 31.7 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

200000

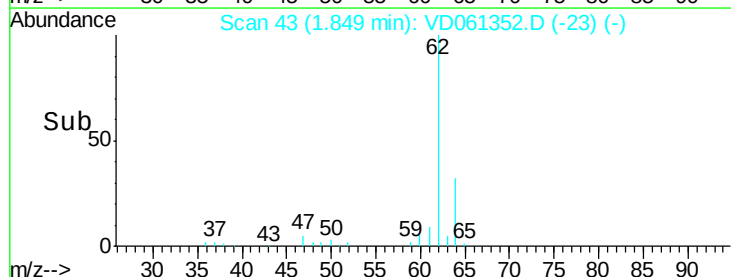
150000

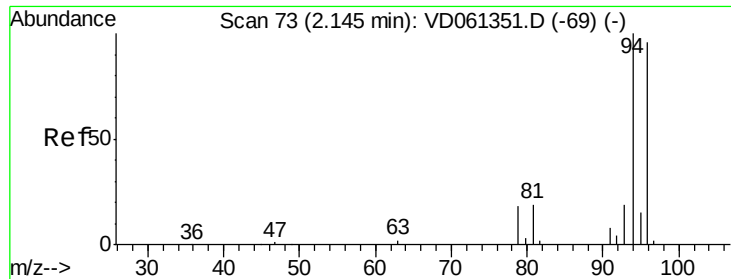
100000

50000

0

Time-->





#5

Bromomethane

Concen: 68.365 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

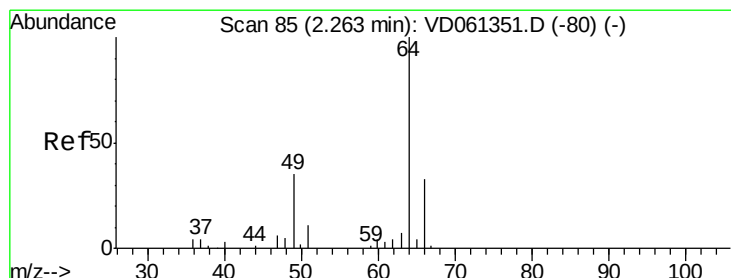
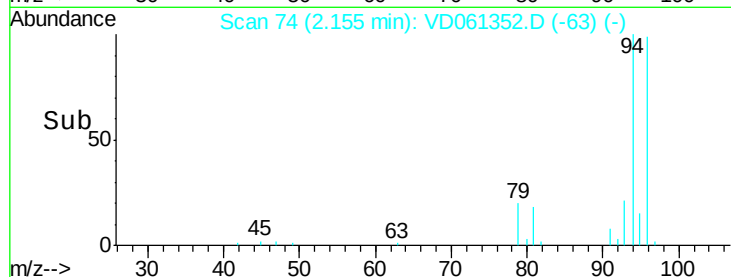
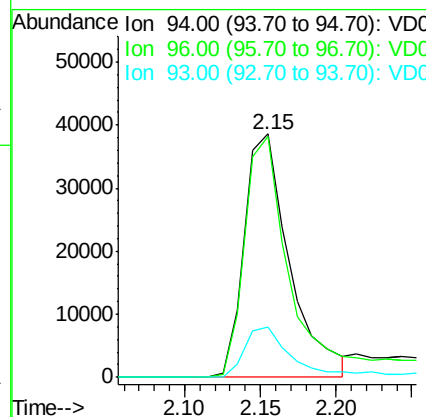
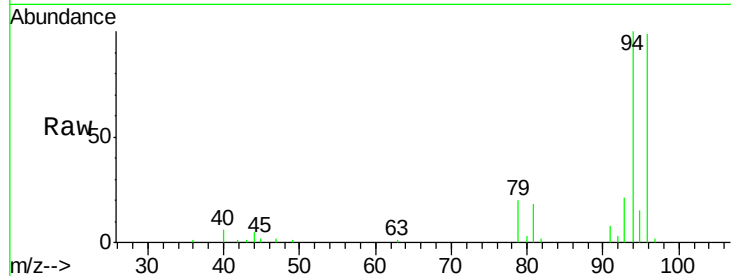
ClientSampleId :

VSTDIC075

Tgt Ion:	94	Resp:	80589
Ion	Ratio	Lower	Upper
94	100		
96	99.0	78.3	117.5
93	20.9	15.6	23.4

Manual Integrations
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#6

Chloroethane

Concen: 78.398 ug/l

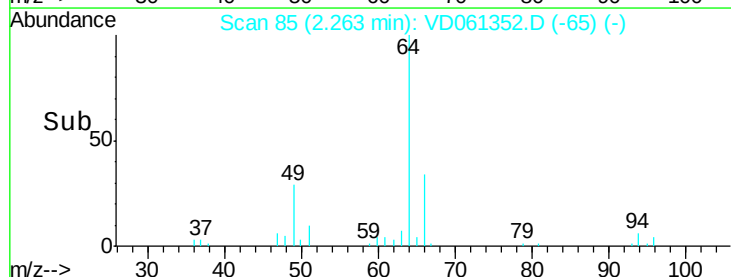
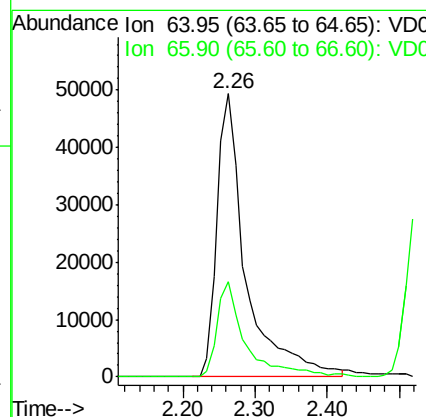
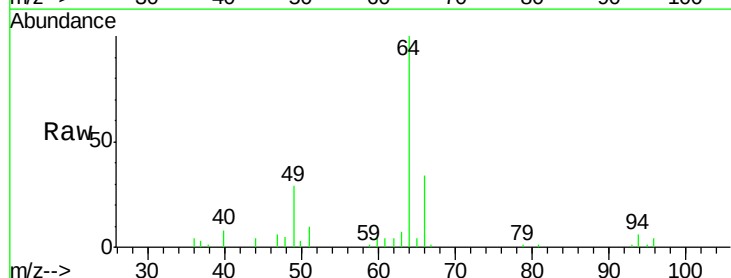
RT: 2.26 min Scan# 85

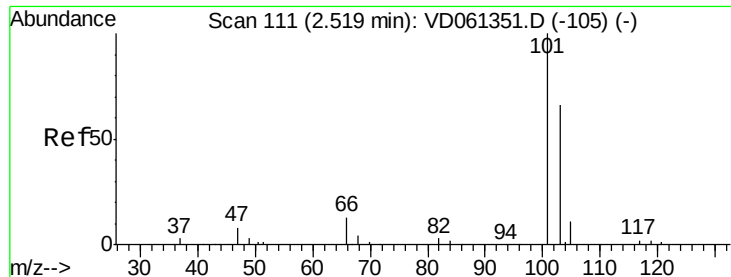
Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Tgt Ion:	64	Resp:	136671
Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.2	39.2





#7

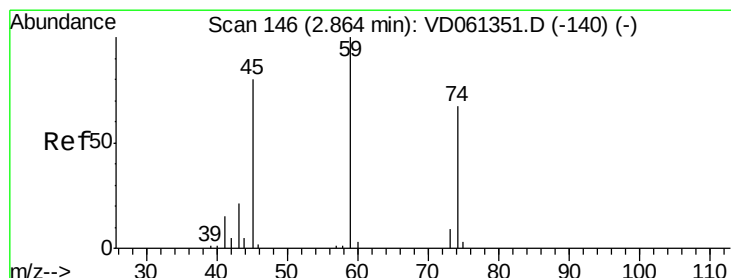
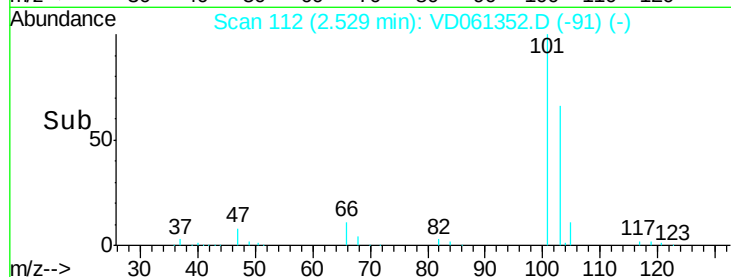
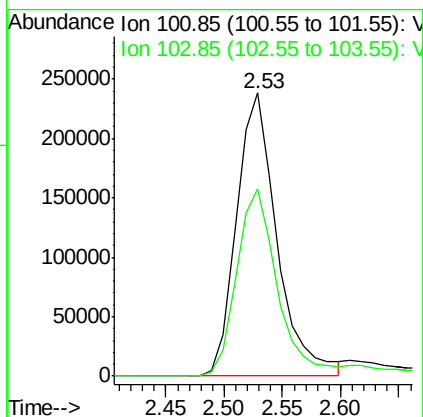
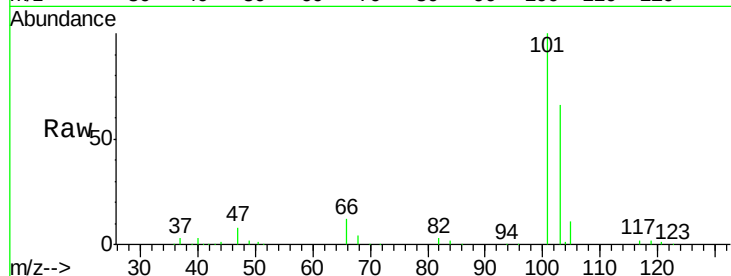
Trichlorofluoromethane
Concen: 66.328 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.1	79.7

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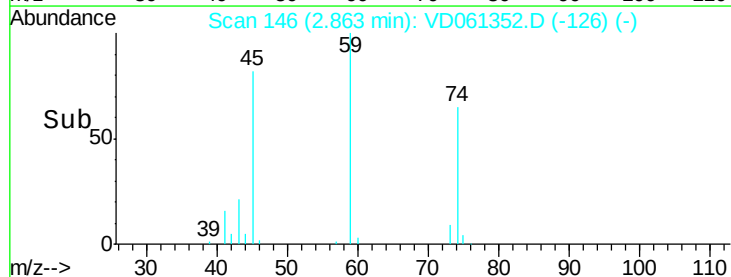
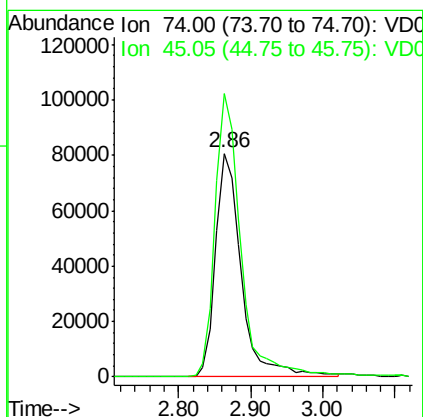
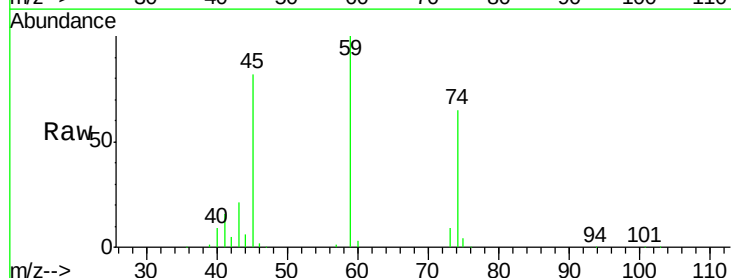
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4/1/2019 3:01:39 PM

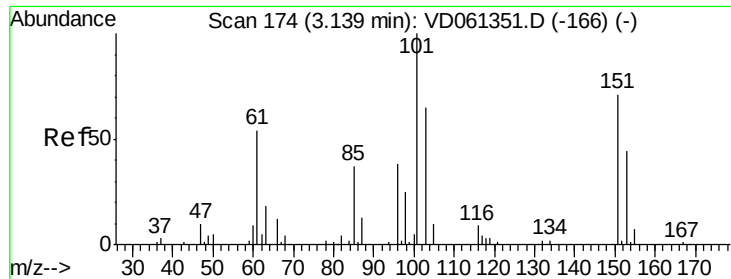


#8

Diethyl Ether
Concen: 71.712 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	126.7	59.7	179.1





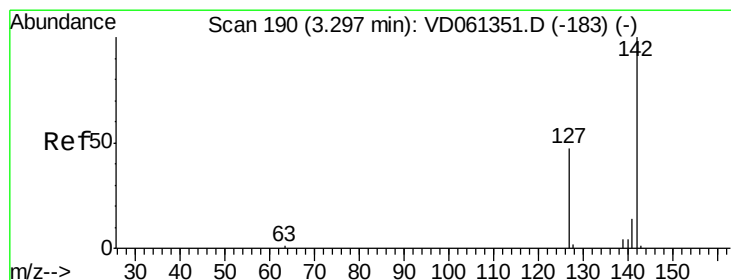
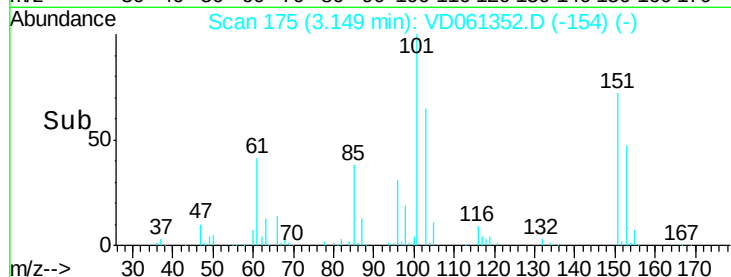
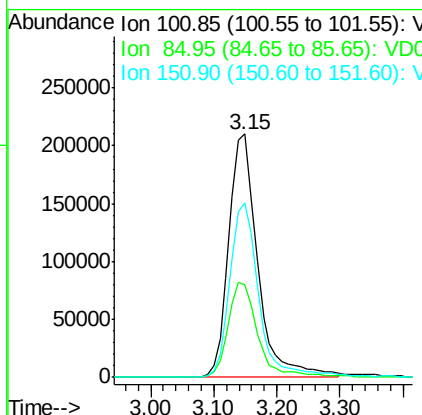
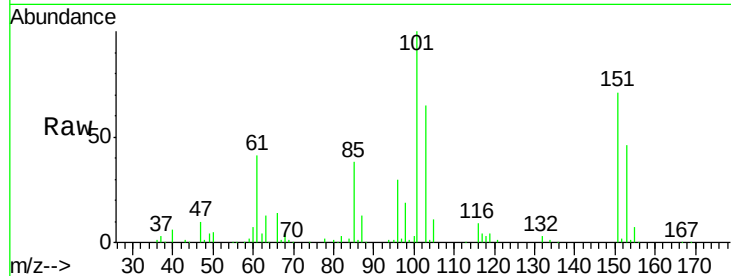
#9
1,1,2-Trichlorotrifluoroethane
Concen: 71.976 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
85	38.0	29.4	44.0
151	71.5	57.0	85.4

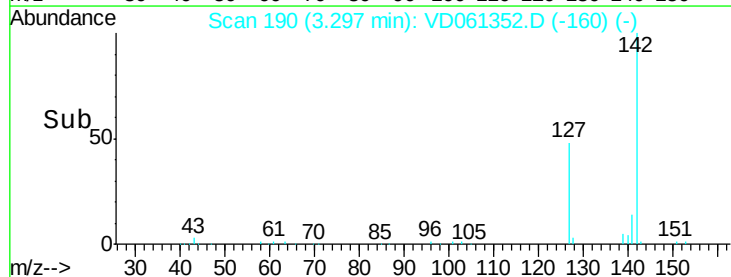
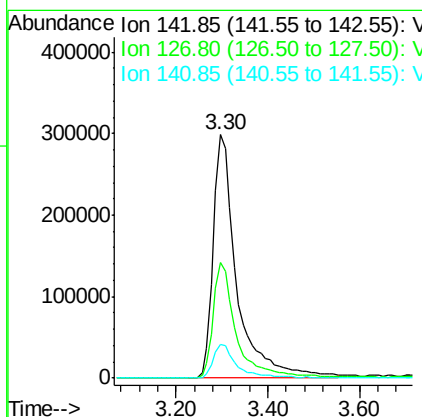
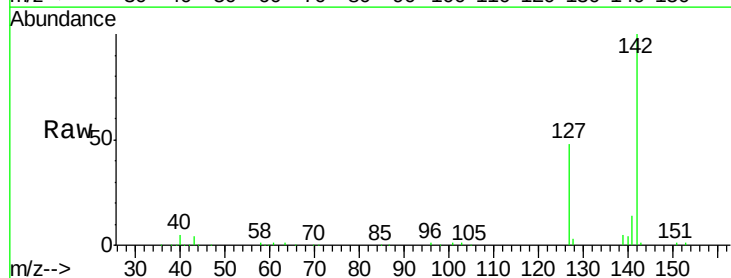
Manual Integrations
APPROVED

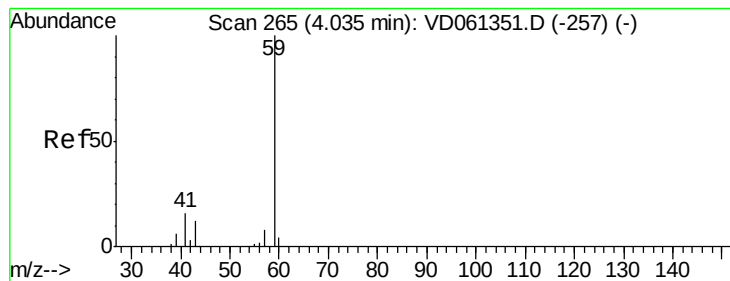
MMDadoda
4/1/2019 3:01:39 PM



#10
Methyl Iodide
Concen: 73.805 ug/l
RT: 3.30 min Scan# 190
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.7	37.7	56.5
141	13.9	11.5	17.3





#11

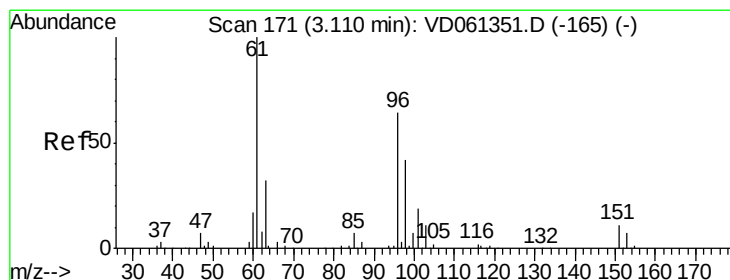
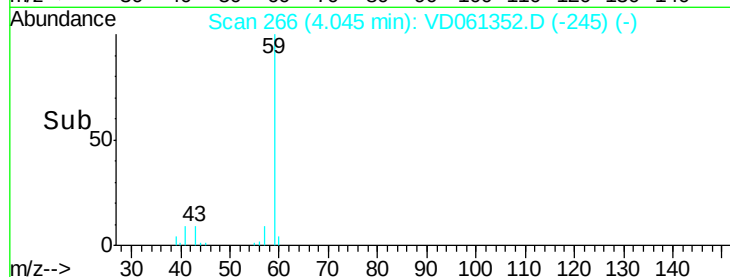
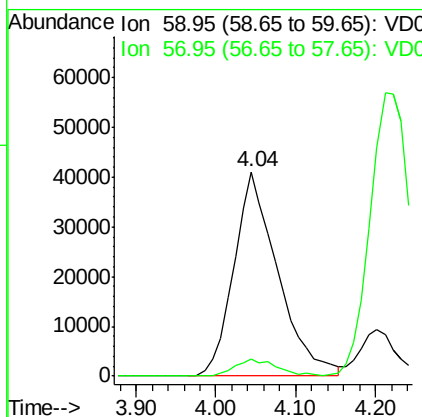
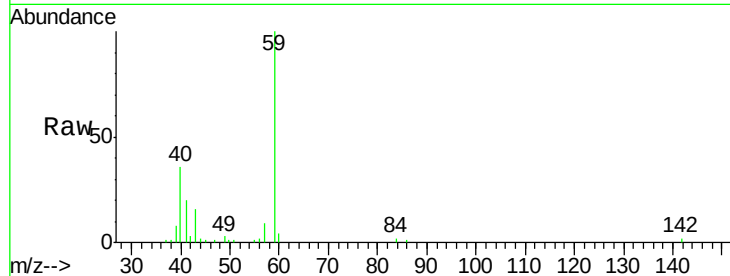
Tert butyl alcohol
Concen: 396.608 ug/l
RT: 4.04 min Scan# 266
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 59 Resp: 156842
Ion Ratio Lower Upper
59 100
57 8.6 6.7 10.1

Manual Integrations
APPROVED

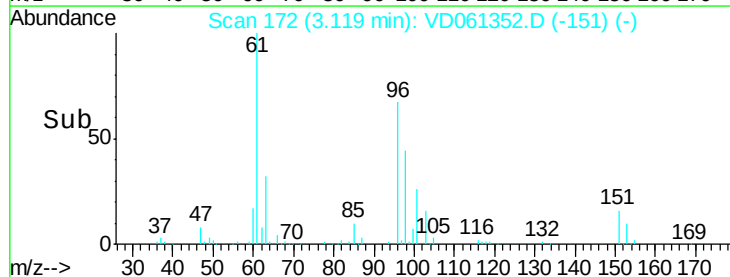
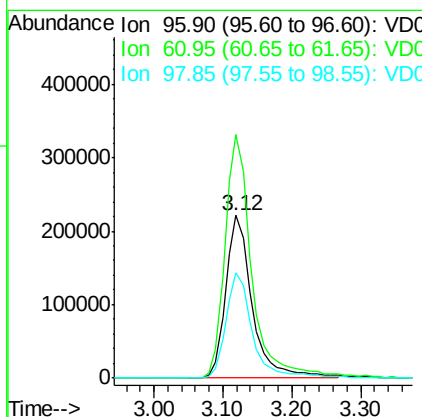
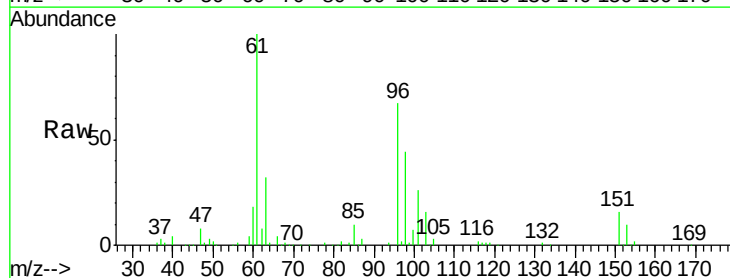
MMDadoda
4/1/2019 3:01:39 PM

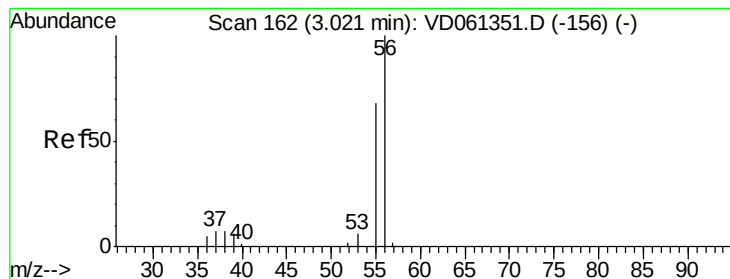


#12

1,1-Dichloroethene
Concen: 74.105 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 96 Resp: 591272
Ion Ratio Lower Upper
96 100
61 149.7 124.9 187.3
98 65.2 52.5 78.7





#13

Acrolein

Concen: 383.070 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 56 Resp: 111746

Ion Ratio Lower Upper

56 100

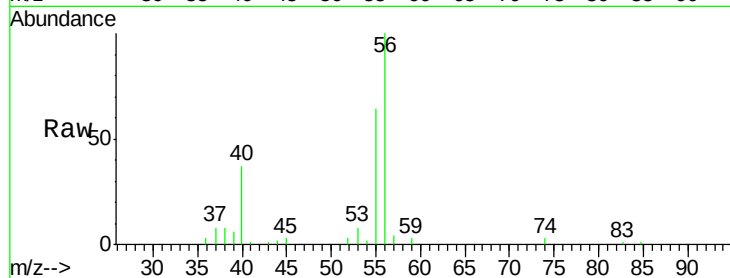
55 64.4 54.6 82.0

Manual Integrations

APPROVED

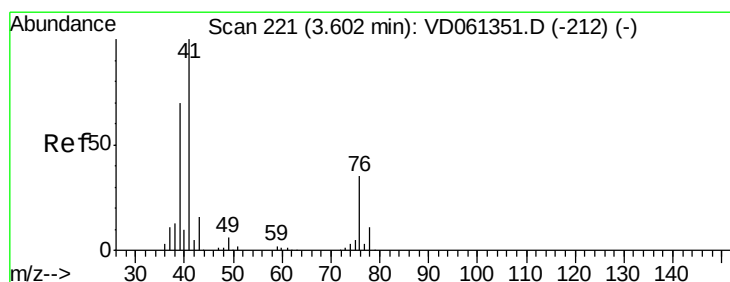
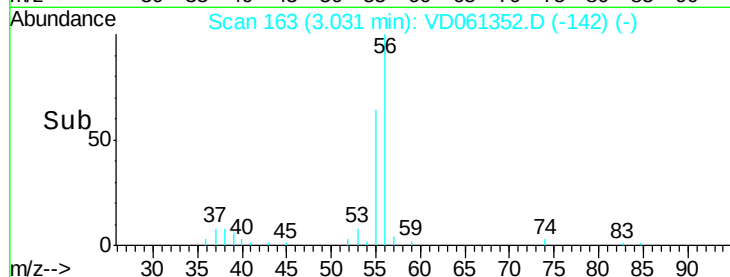
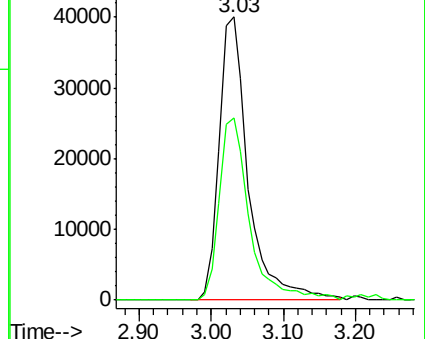
MMDadoda

4/1/2019 3:01:39 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 73.969 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

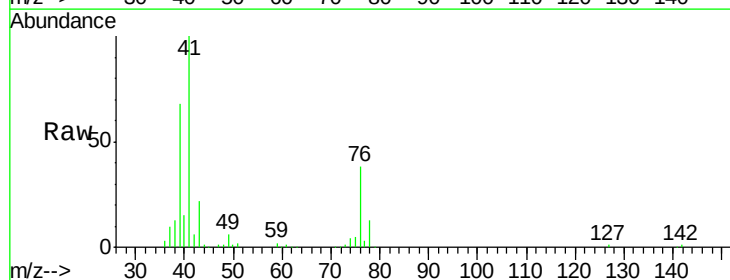
Tgt Ion: 41 Resp: 823178

Ion Ratio Lower Upper

41 100

39 68.3 55.6 83.4

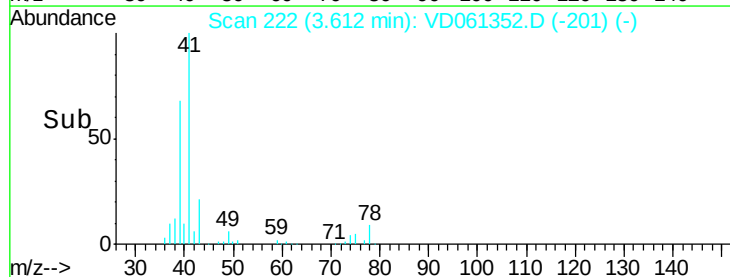
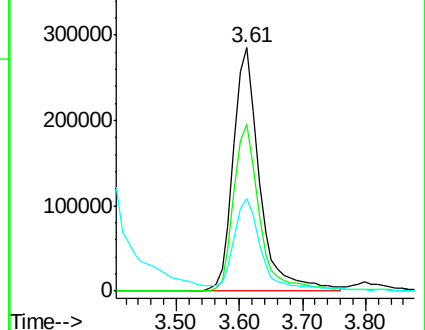
76 38.1 31.0 46.6

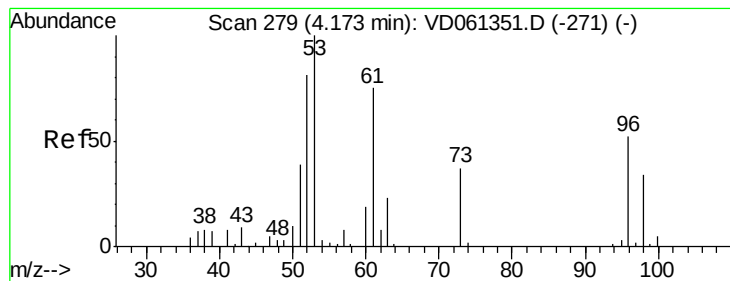


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 378.817 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

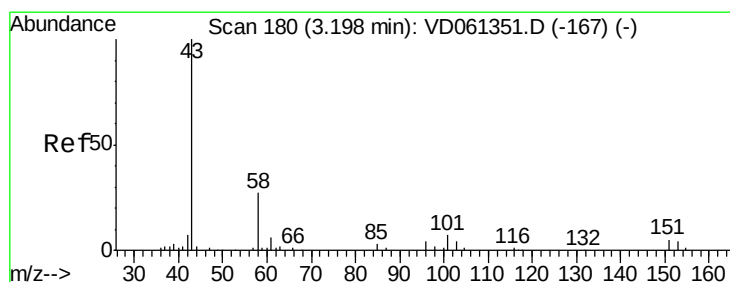
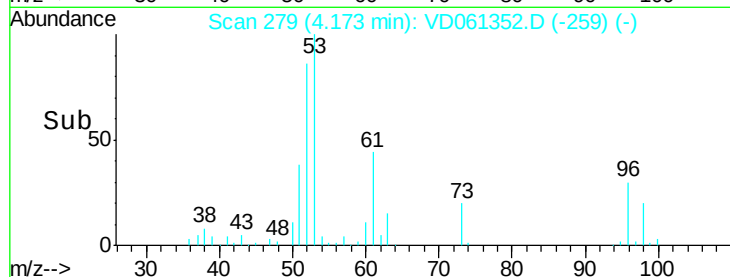
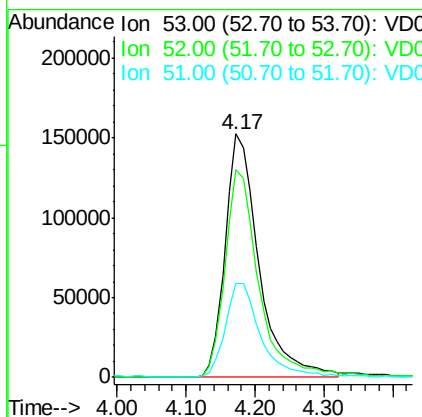
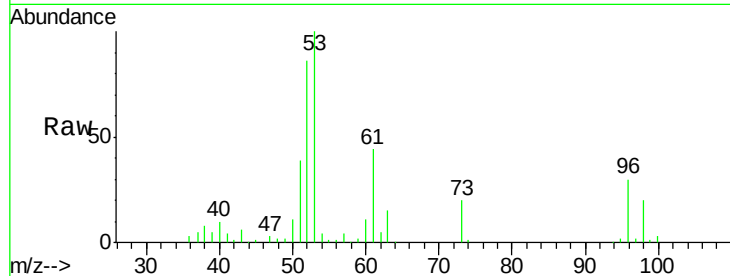
ClientSampleId :

VSTDIC075

Tgt Ion:	53	Resp:	519948
Ion Ratio	Lower	Upper	
53	100		
52	85.6	64.8	97.2
51	38.8	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 420.521 ug/l

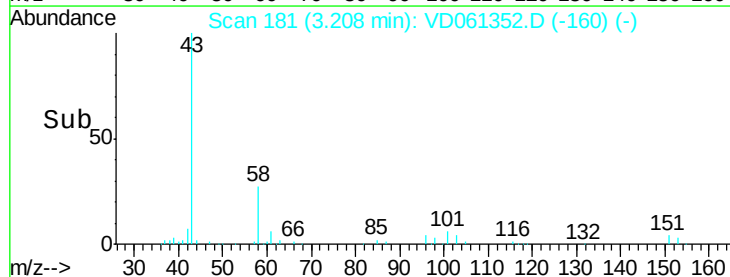
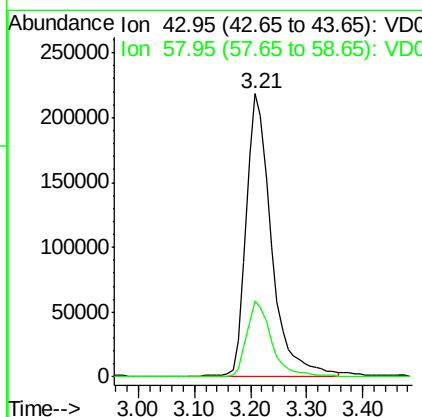
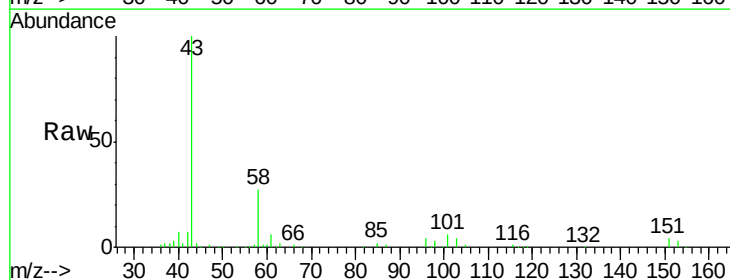
RT: 3.21 min Scan# 181

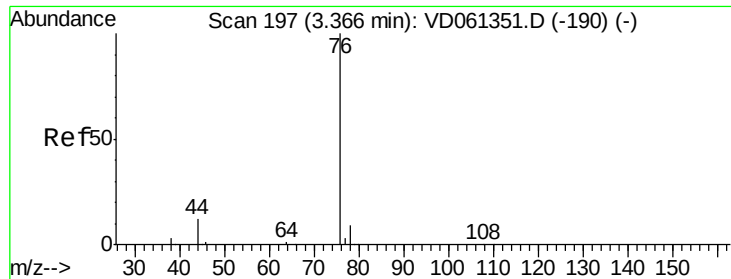
Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Tgt Ion:	43	Resp:	686446
Ion Ratio	Lower	Upper	
43	100		
58	26.8	21.5	32.3





#17

Carbon Disulfide

Concen: 70.289 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 76 Resp: 1822158

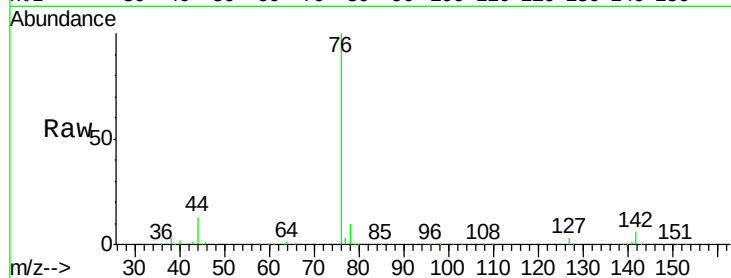
Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7

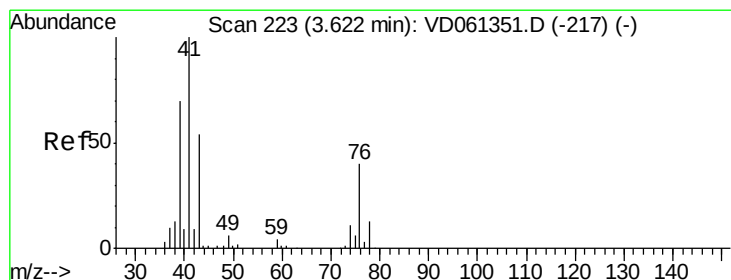
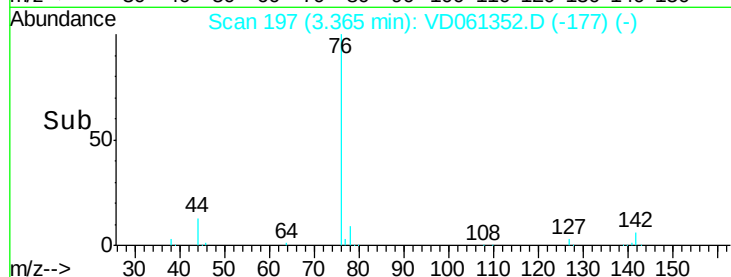
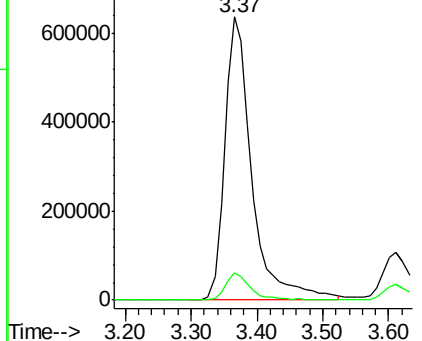
Manual Integrations
APPROVED

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4/1/2019 3:01:39 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 74.279 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061352.D

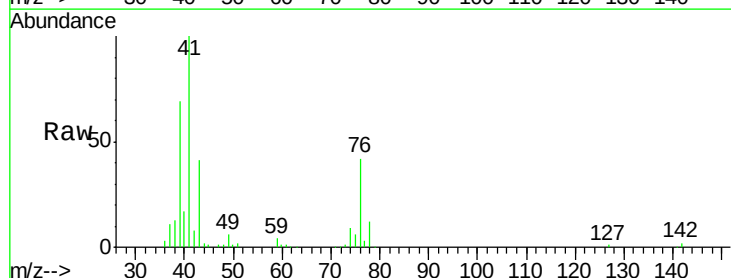
Acq: 27 Mar 2019 13:35

Tgt Ion: 43 Resp: 254936

Ion Ratio Lower Upper

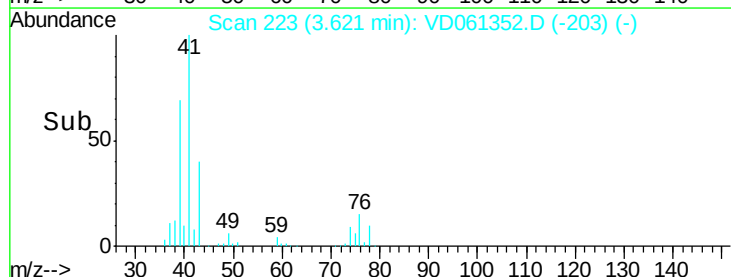
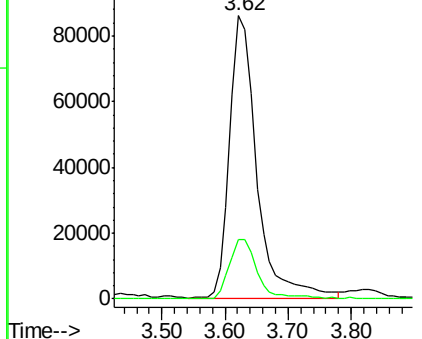
43 100

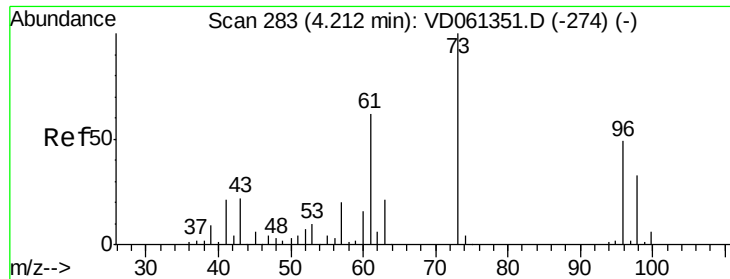
74 21.0 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





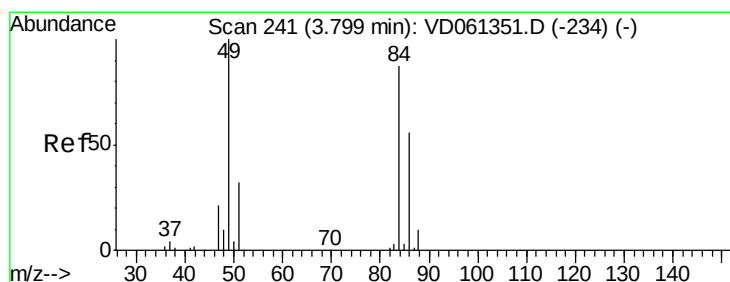
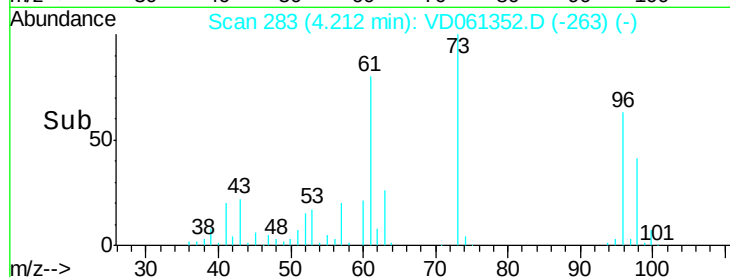
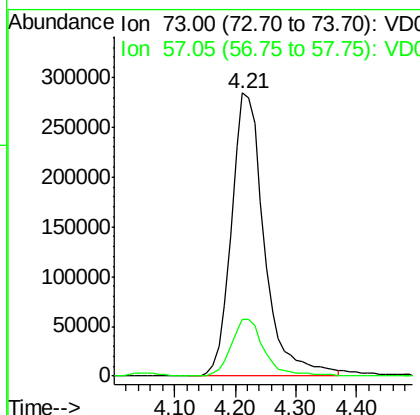
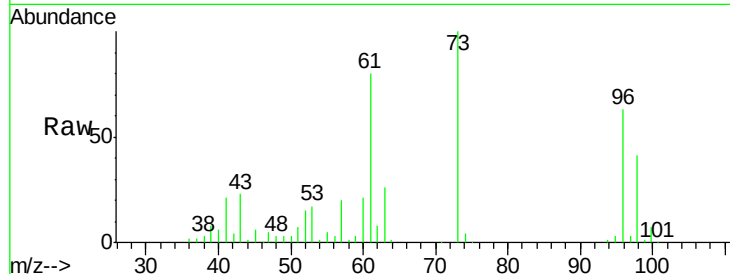
#19
Methyl tert-butyl Ether
Concen: 77.645 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 73 Resp: 1072394
Ion Ratio Lower Upper
73 100
57 20.0 16.4 24.6

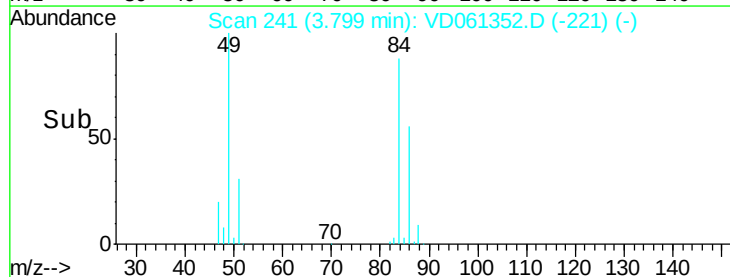
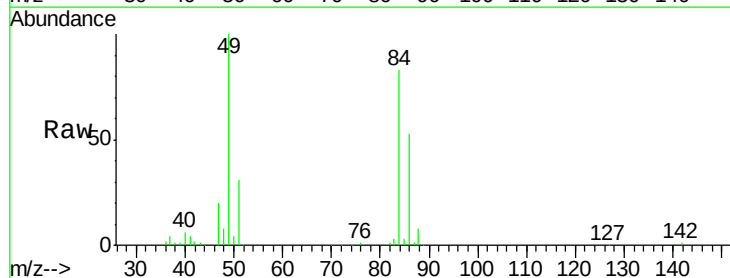
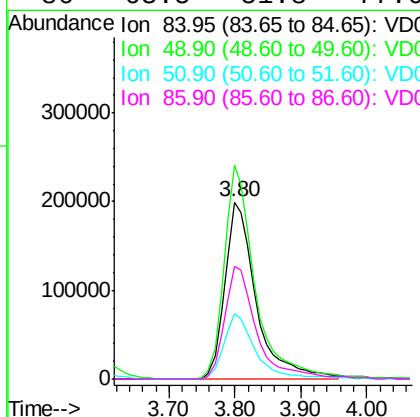
Manual Integrations
APPROVED

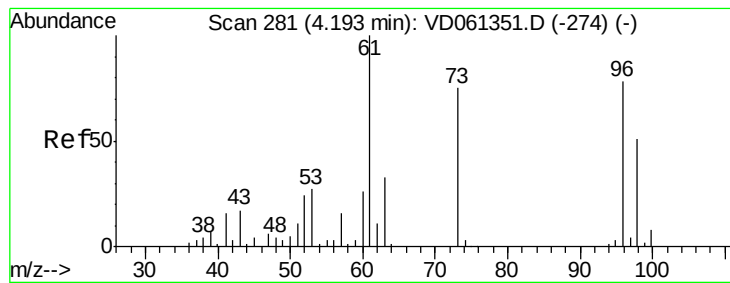
MMDadoda
4/1/2019 3:01:39 PM



#20
Methylene Chloride
Concen: 73.643 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 84 Resp: 665129
Ion Ratio Lower Upper
84 100
49 120.5 91.8 137.8
51 36.9 29.8 44.8
86 63.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 72.538 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 96 Resp: 624860

Ion Ratio Lower Upper

96 100

61 129.5 102.7 154.1

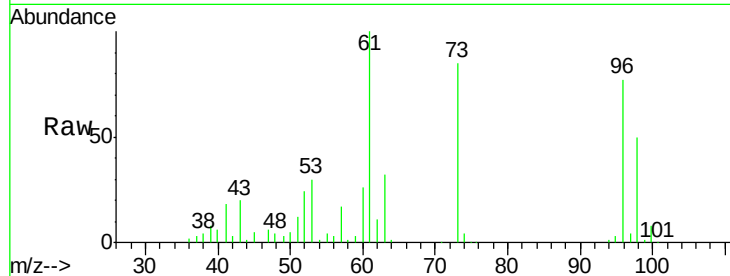
98 64.4 52.2 78.4

Manual Integrations

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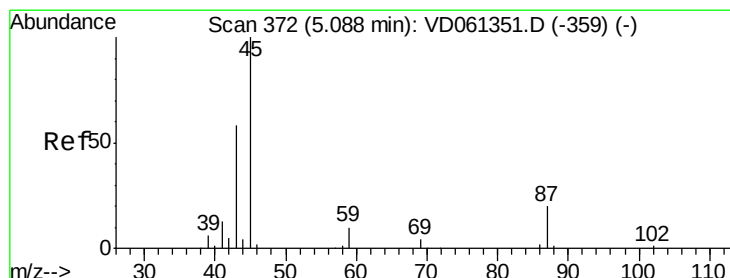
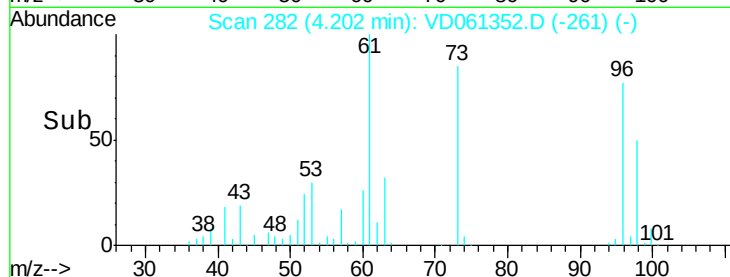
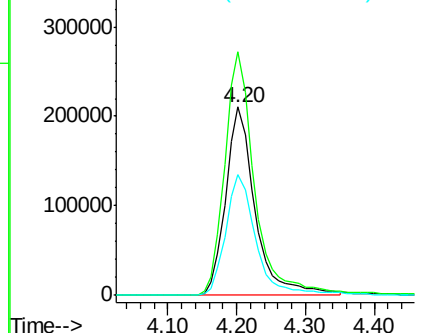
4/1/2019 3:01:39 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 73.576 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Tgt Ion: 45 Resp: 1732702

Ion Ratio Lower Upper

45 100

43 60.9 47.4 71.2

87 20.4 16.3 24.5

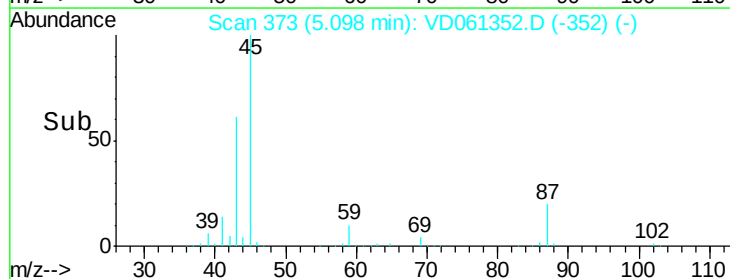
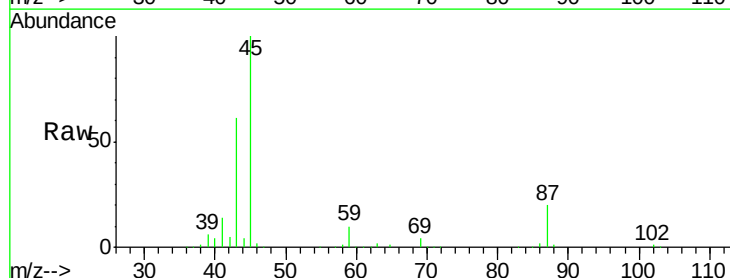
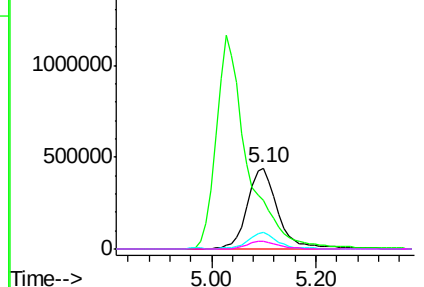
59 10.2 8.4 12.6

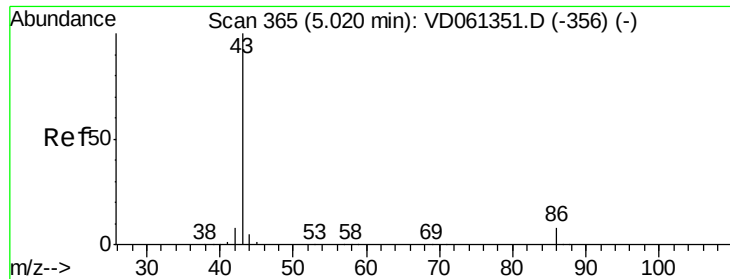
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 366.621 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 43 Resp: 4689903

Ion Ratio Lower Upper

43 100

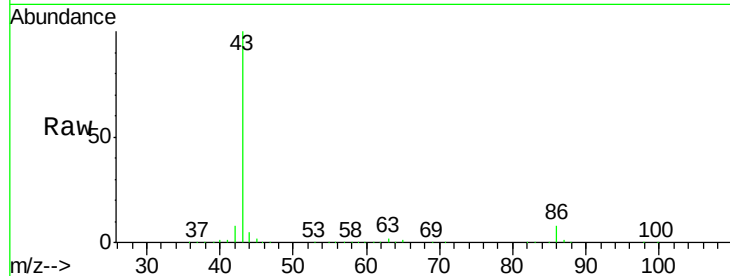
86 8.3 6.7 10.1

Manual Integrations

APPROVED

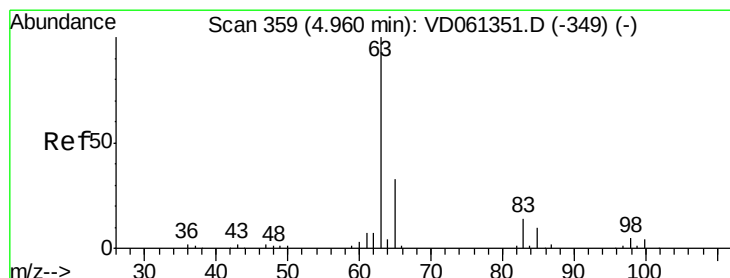
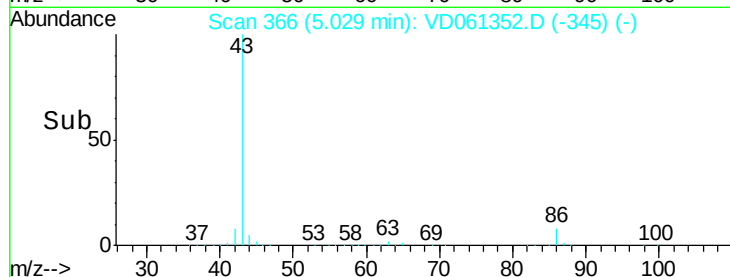
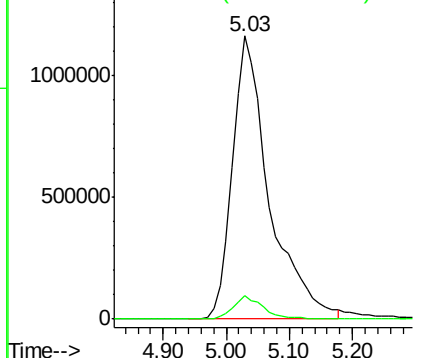
MMDadoda

4/1/2019 3:01:39 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 72.209 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

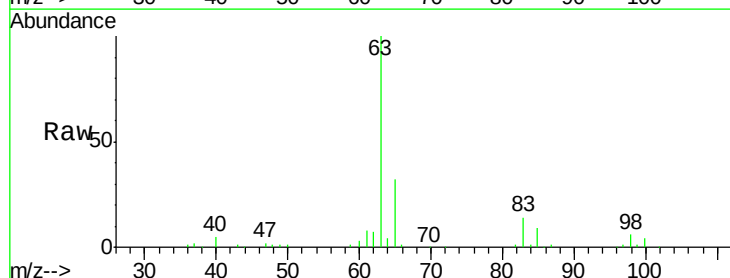
Tgt Ion: 63 Resp: 999374

Ion Ratio Lower Upper

63 100

98 5.5 2.6 8.0

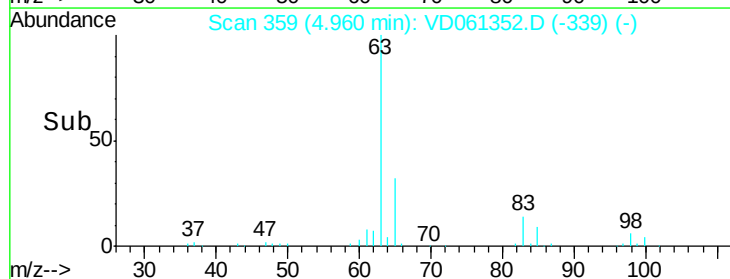
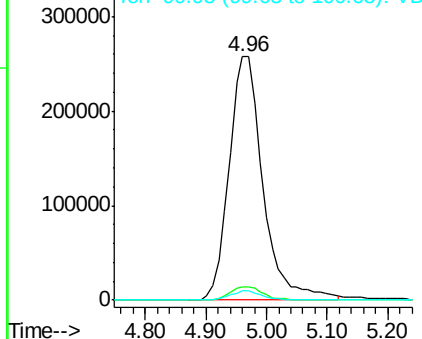
100 3.7 1.8 5.3

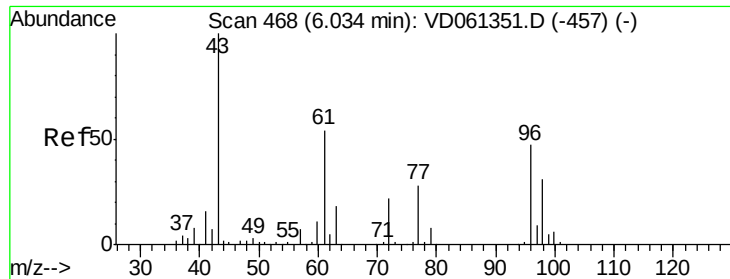


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 399.435 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Tgt Ion: 43 Resp: 820193

Ion Ratio Lower Upper

43 100

72 21.3 17.2 25.8

Instrument :

MSVOA_D

ClientSampleId :

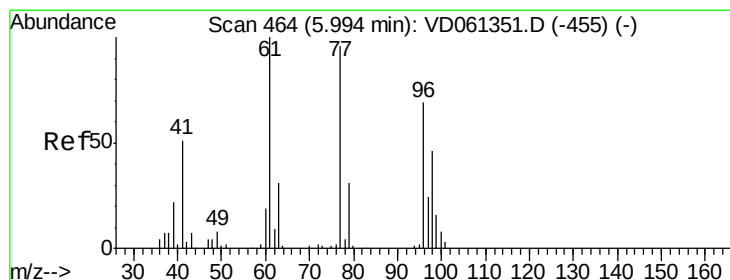
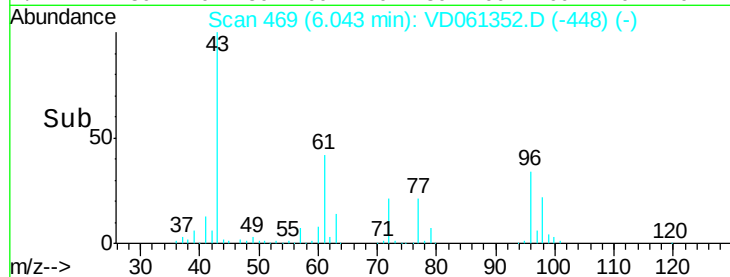
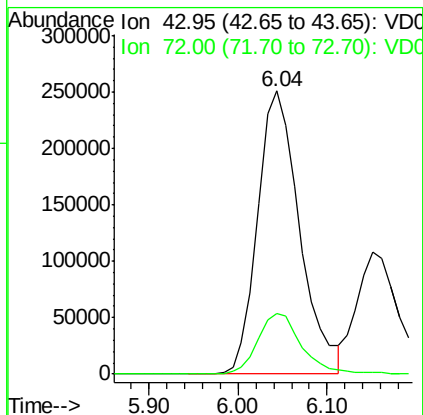
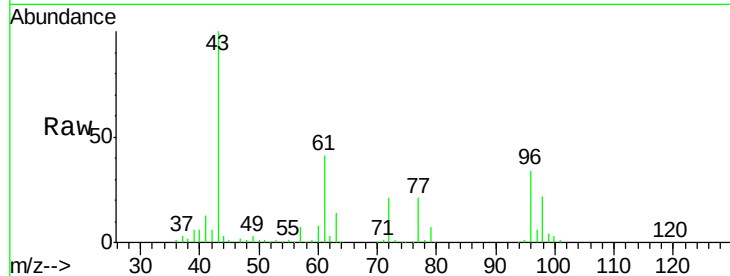
VSTDIC075

Manual Integrations

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4/1/2019 3:01:39 PM



#26

2,2-Dichloropropane

Concen: 75.884 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD061352.D

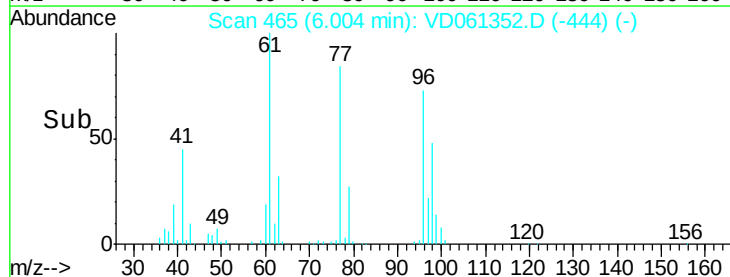
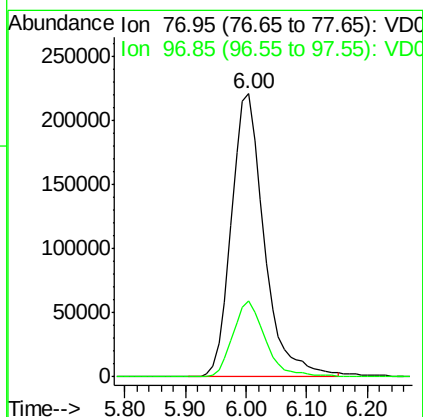
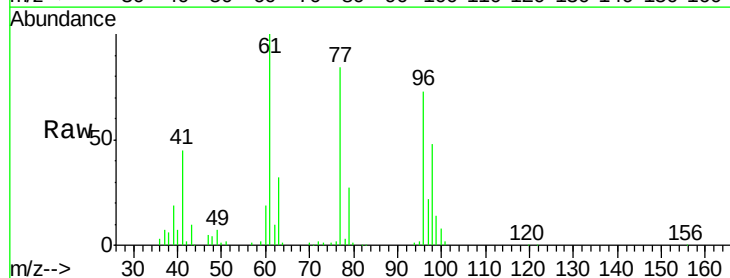
Acq: 27 Mar 2019 13:35

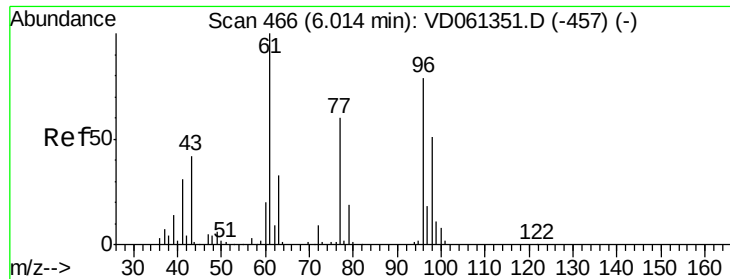
Tgt Ion: 77 Resp: 834877

Ion Ratio Lower Upper

77 100

97 26.7 12.7 38.0





#27

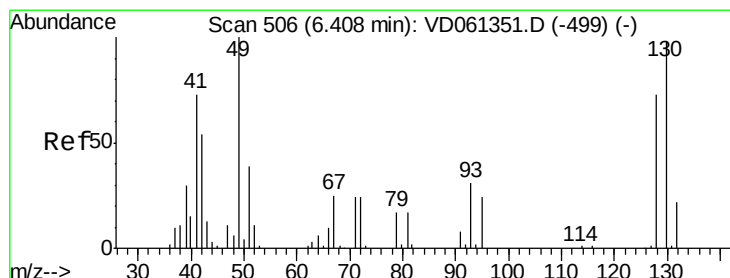
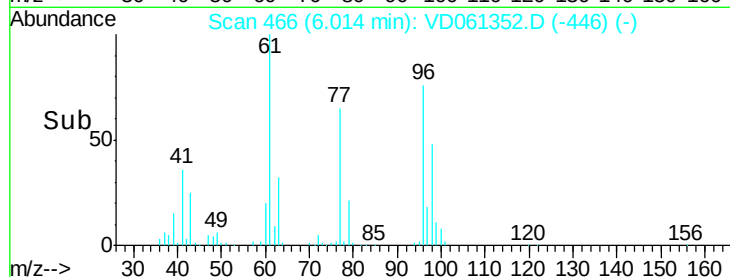
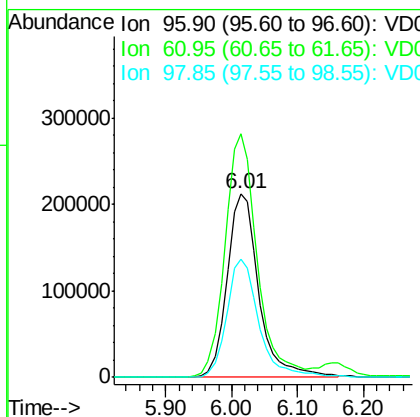
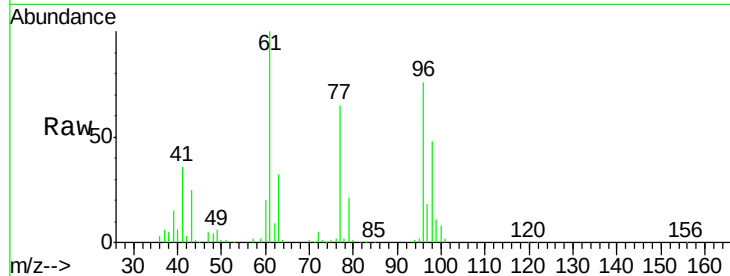
cis-1,2-Dichloroethene
Concen: 76.188 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	719072		
61	132.4	0.0	251.6	
98	64.2	0.0	129.2	

Manual Integrations
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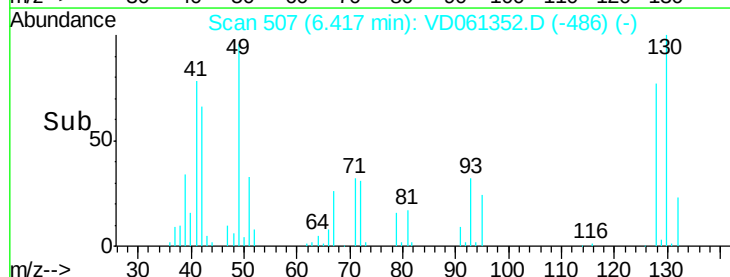
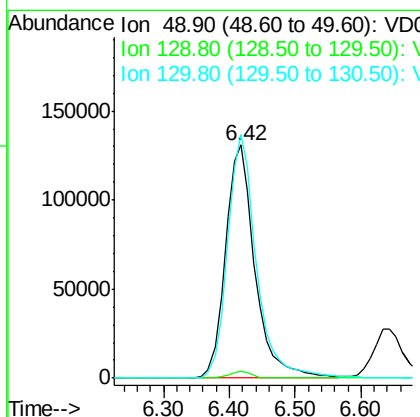
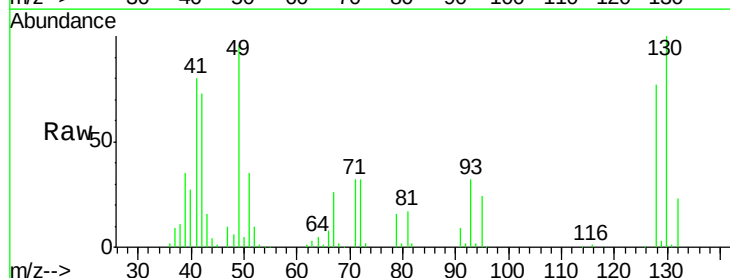
MMDadoda
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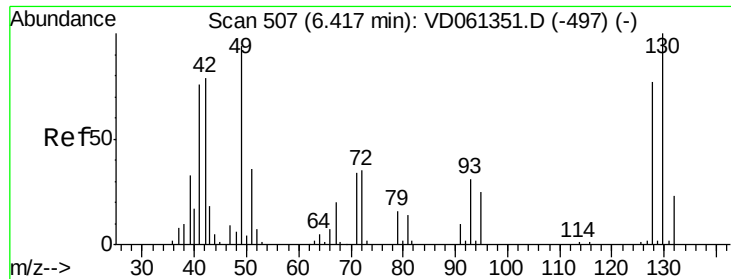


#28

Bromochloromethane
Concen: 73.278 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	409390		
129	2.7	0.0	0.0#	
130	104.5	78.4	117.6	





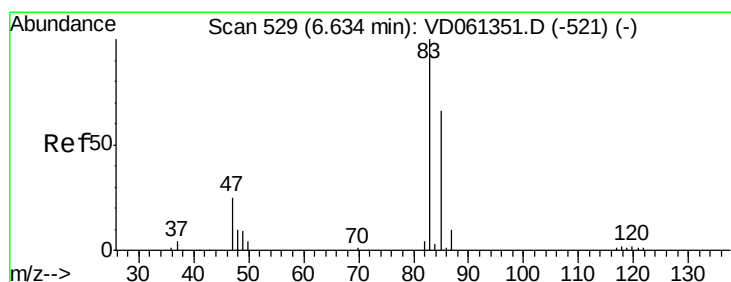
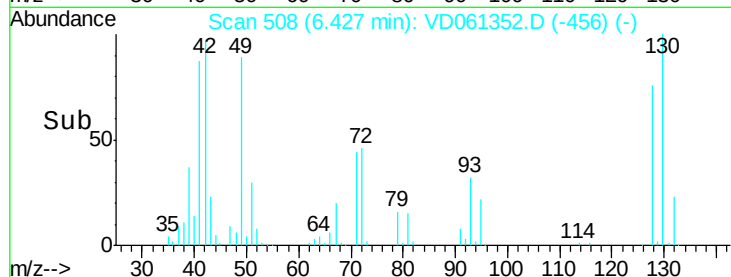
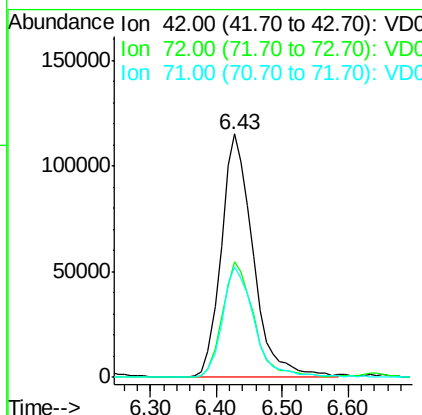
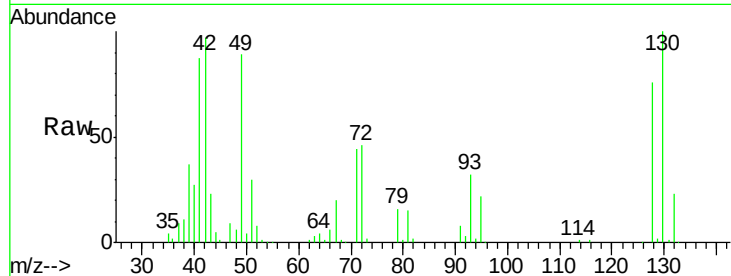
#29
Tetrahydrofuran
Concen: 392.073 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.4	56.0
71	45.2	36.7	55.1

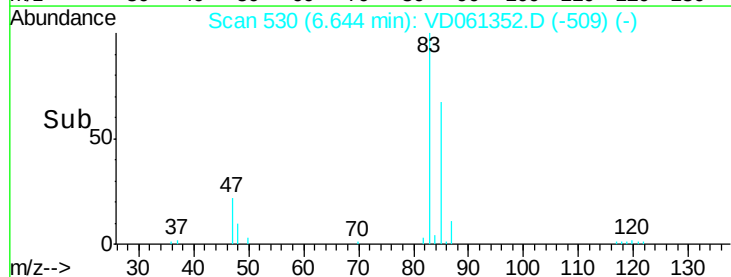
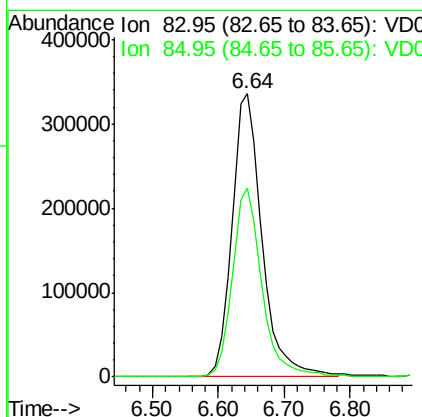
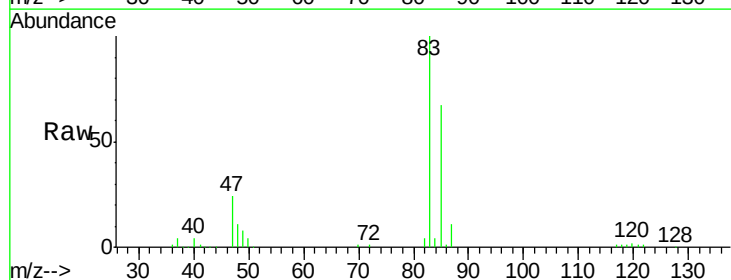
Manual Integrations
APPROVED

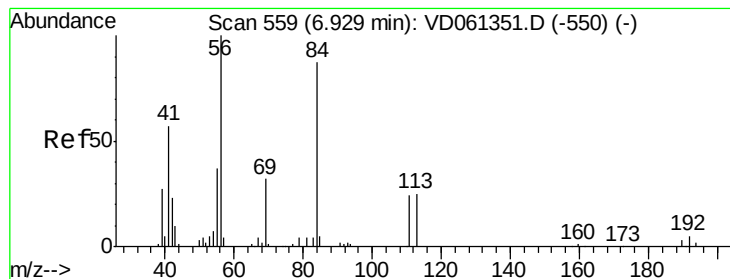
MMDadoda
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#30
Chloroform
Concen: 74.911 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.0	79.4





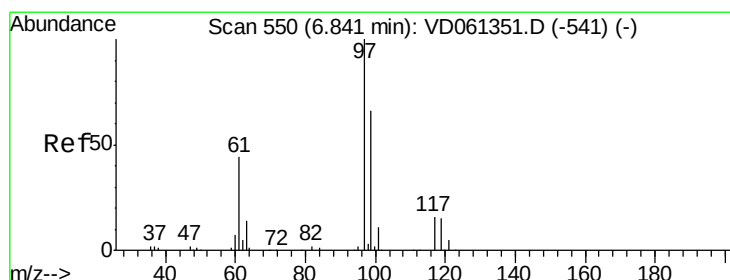
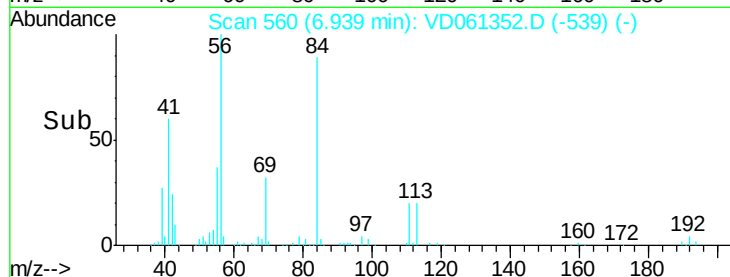
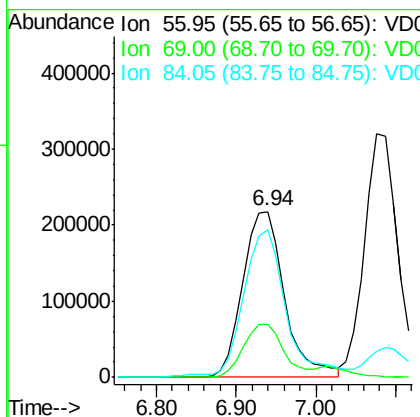
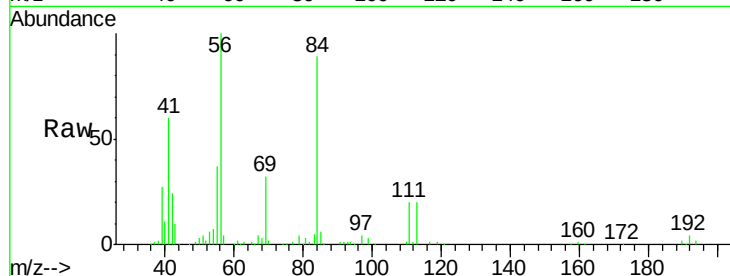
#31
Cyclohexane
Concen: 72.306 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.7	38.5
84	89.0	70.6	105.8

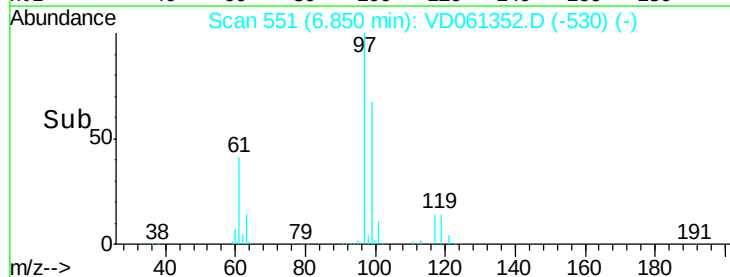
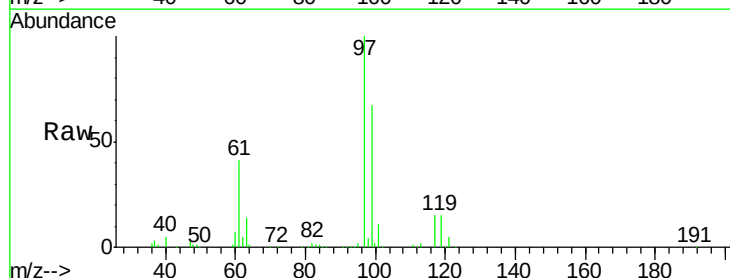
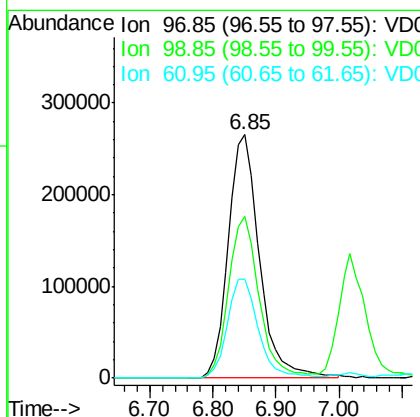
Manual Integrations
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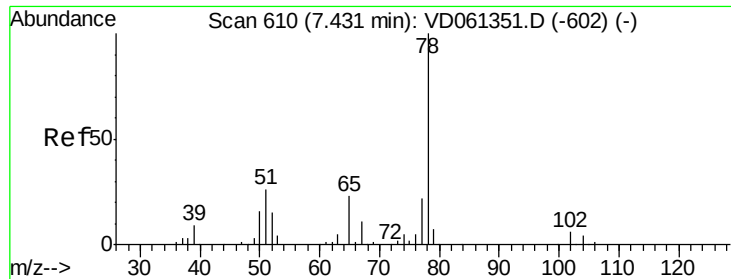
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#32
1,1,1-Trichloroethane
Concen: 71.967 ug/l
RT: 6.85 min Scan# 551
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	53.1	79.7
61	40.8	35.5	53.3





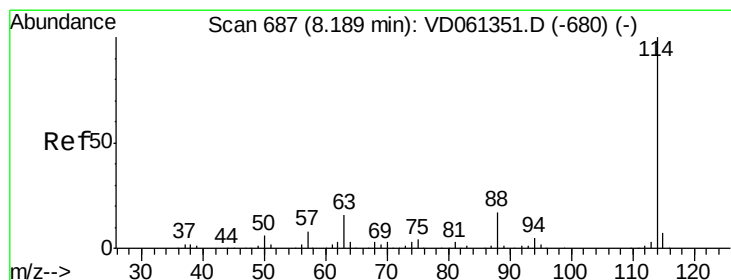
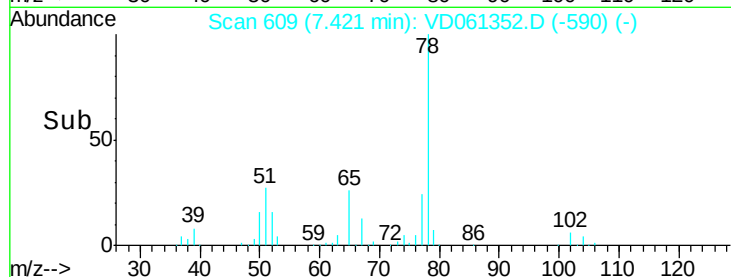
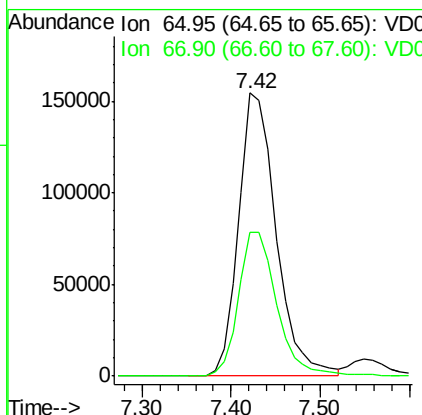
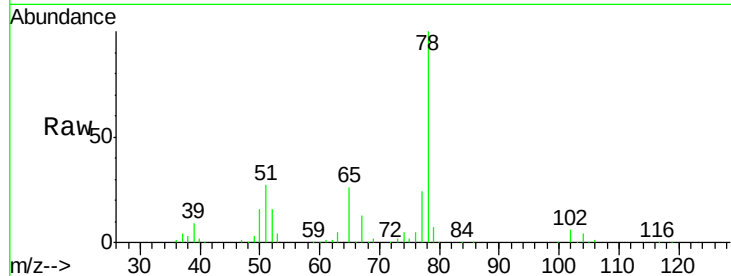
#33
 1,2-Dichloroethane-d4
 Concen: 71.967 ug/l
 RT: 7.42 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 65 Resp: 452354
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 99.8

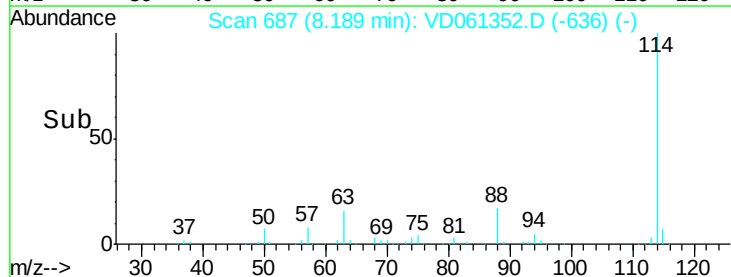
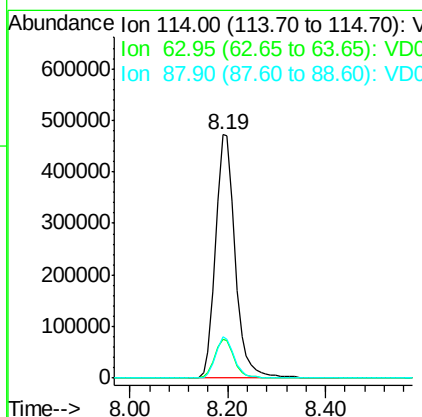
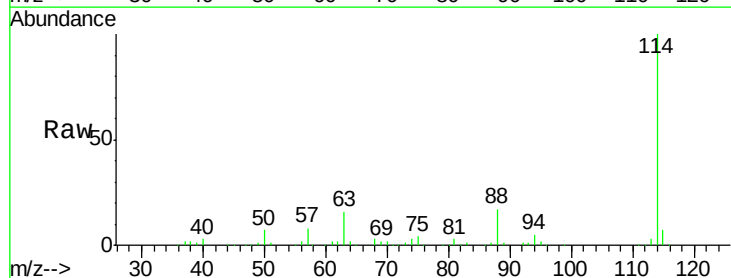
Manual Integrations
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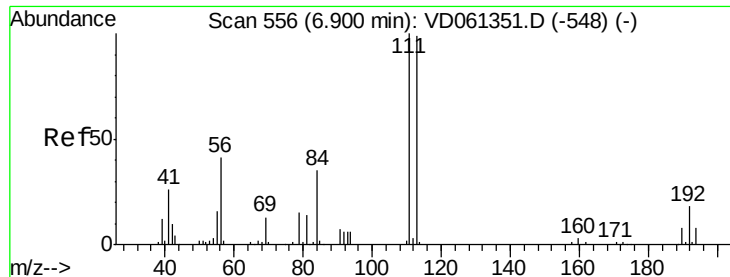
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Tgt Ion: 114 Resp: 1327164
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.6
 88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

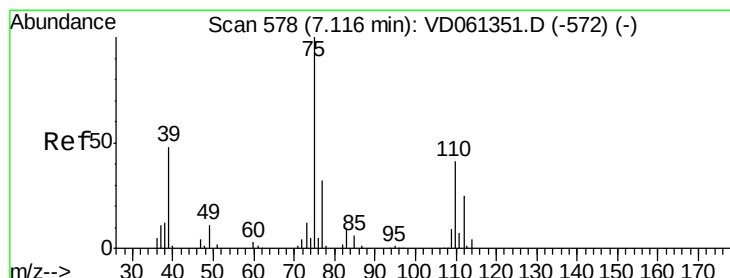
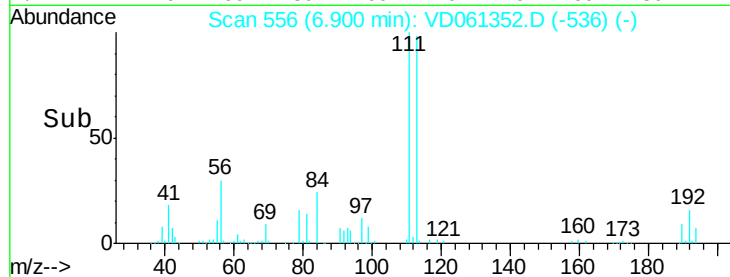
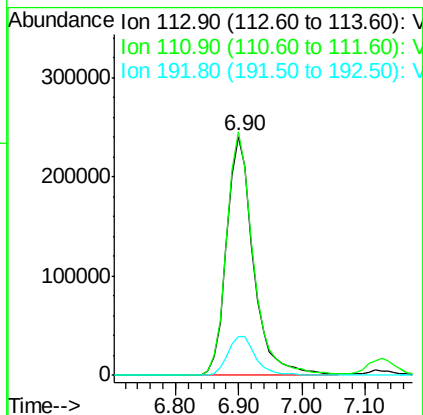
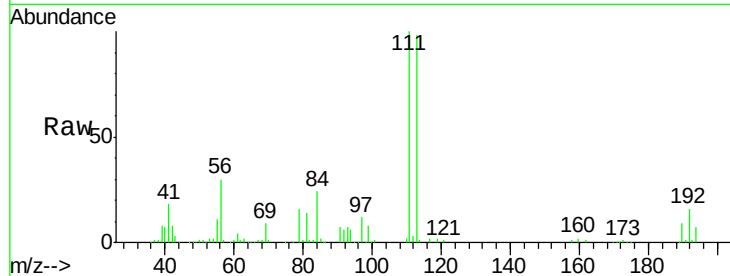
ClientSampleId :

VSTDIC075

Tgt Ion:	113	Resp:	708704
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.6
192	16.3	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 63.484 ug/l

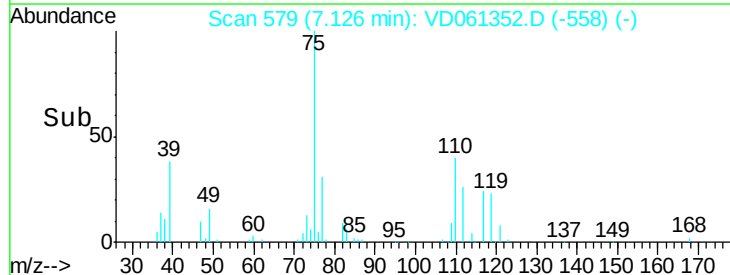
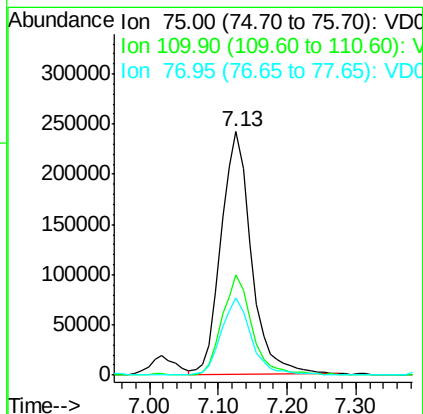
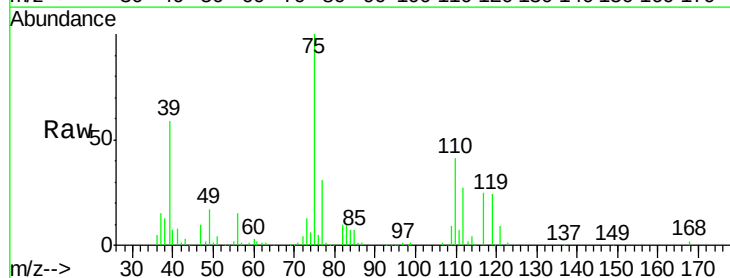
RT: 7.13 min Scan# 579

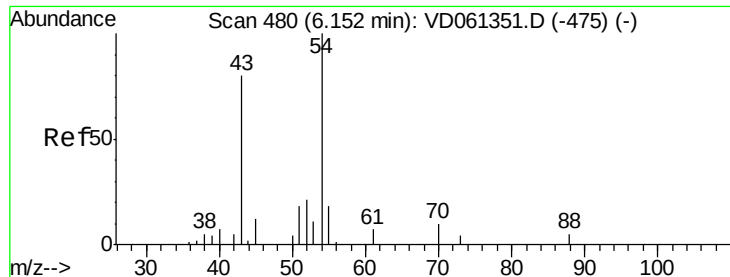
Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Tgt Ion:	75	Resp:	735340
Ion	Ratio	Lower	Upper
75	100		
110	41.2	20.4	61.3
77	31.5	24.9	37.3





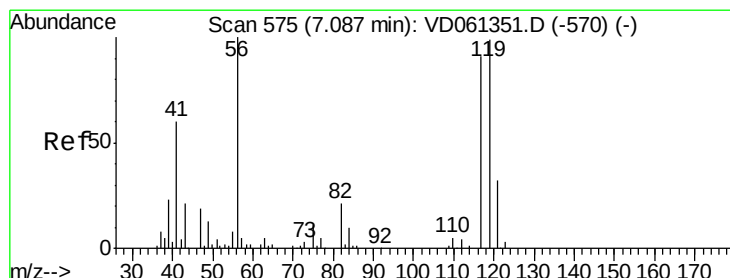
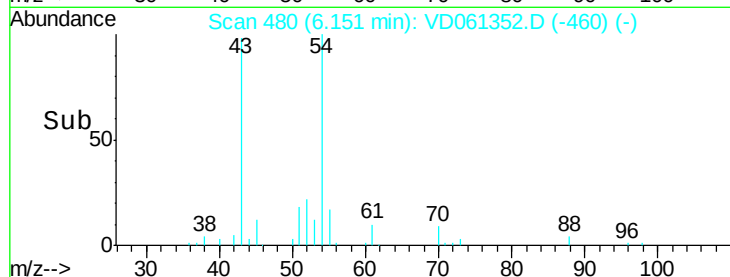
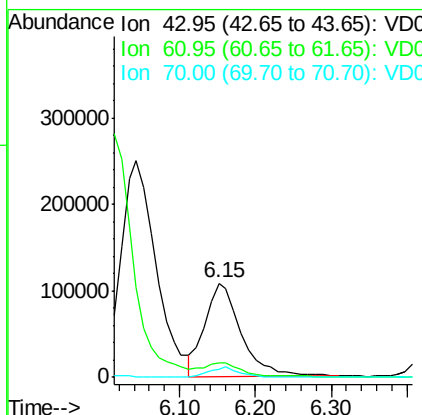
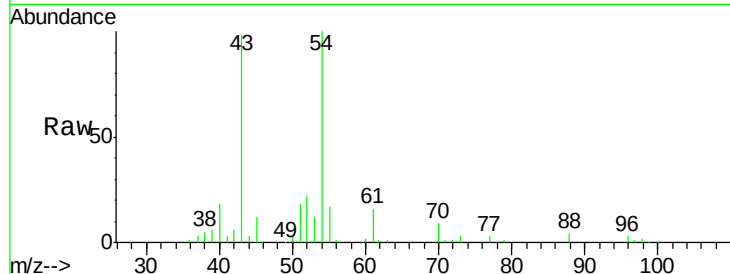
#37
Ethyl Acetate
Concen: 71.643 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.8	13.8	20.8
70	9.2	7.8	11.8

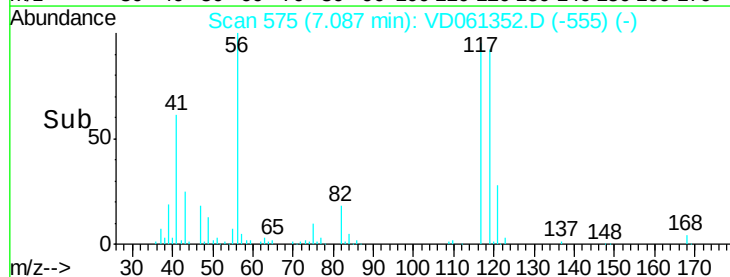
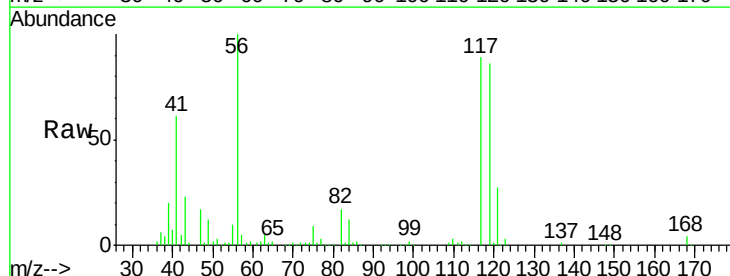
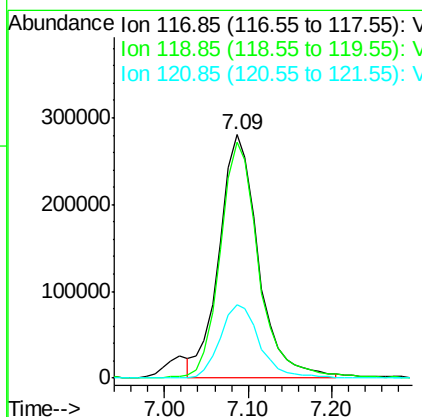
Manual Integrations
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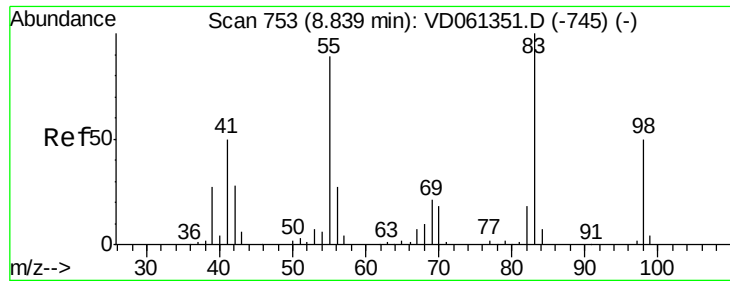
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#38
Carbon Tetrachloride
Concen: 69.318 ug/l m
RT: 7.09 min Scan# 575
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	80.1	120.1
121	30.0	25.6	38.4





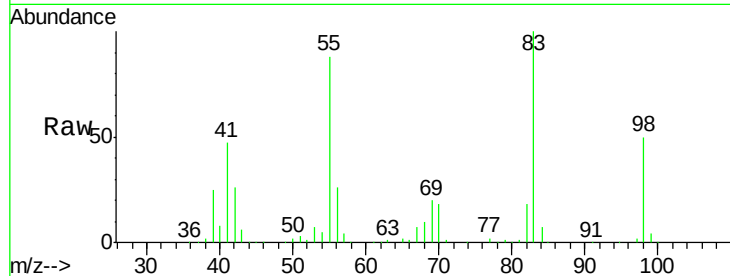
#39
Methylcyclohexane
Concen: 69.386 ug/l
RT: 8.84 min Scan# 753
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

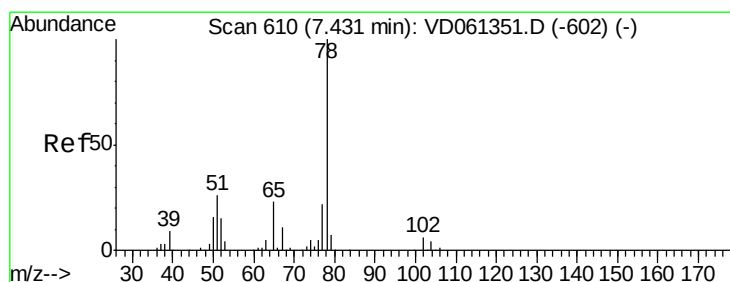
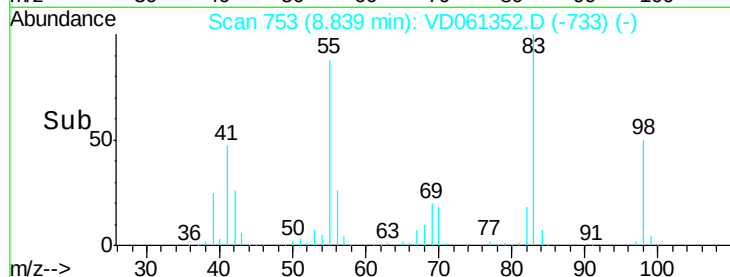
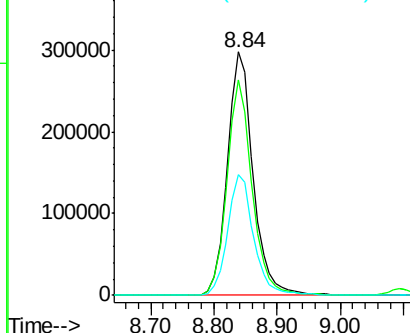
Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.3	71.5	107.3
98	49.7	40.3	60.5

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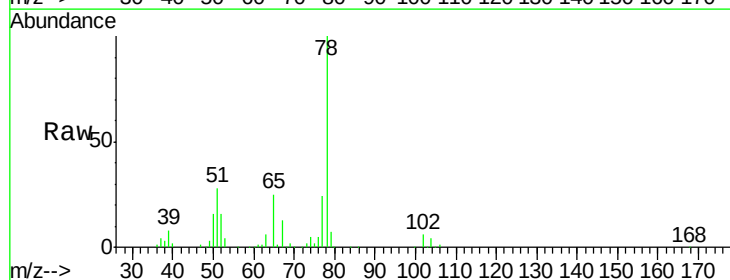


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

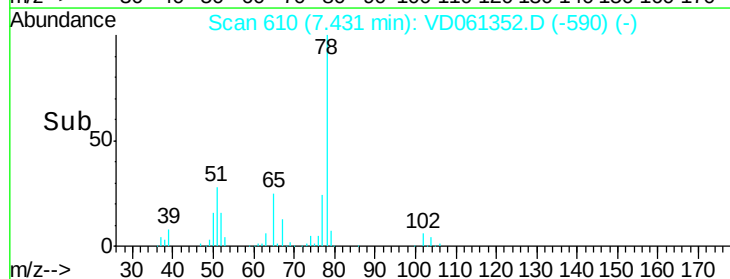
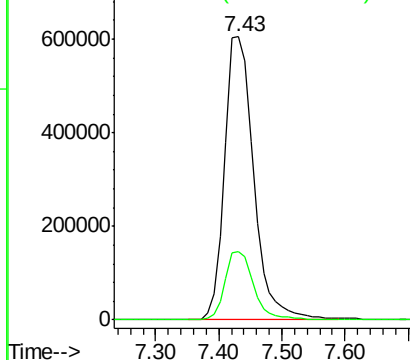


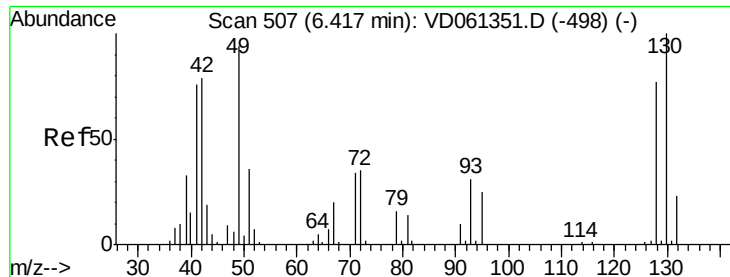
#40
Benzene
Concen: 66.812 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	17.8	26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 75.285 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 436067
Ion Ratio Lower Upper

41 100

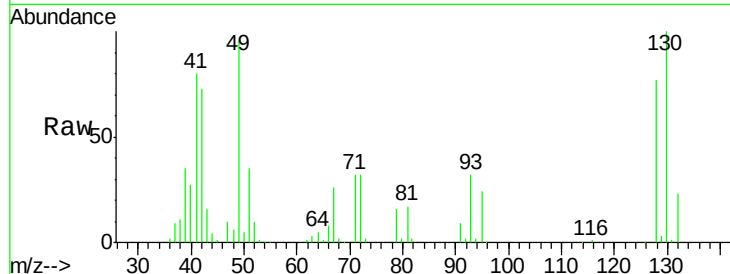
39 44.3 35.0 52.6

67 32.0 21.0 31.6#

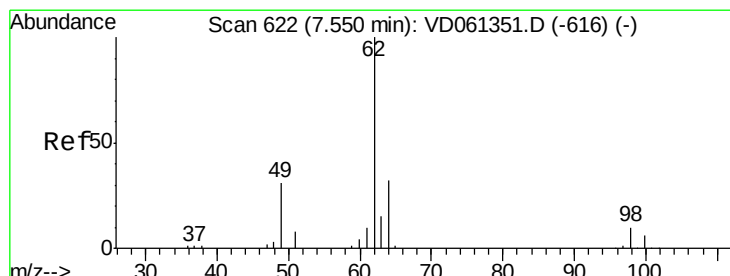
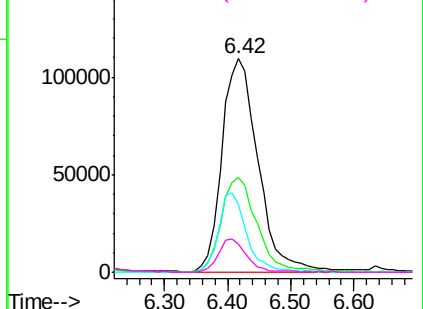
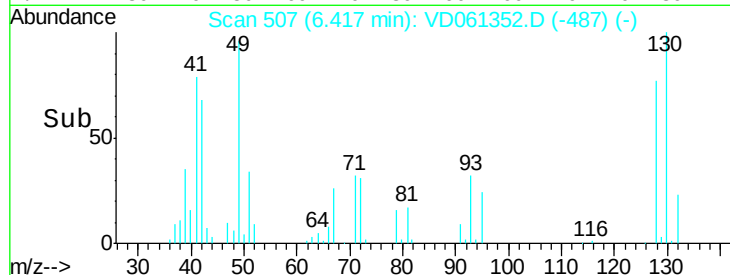
52 13.0 7.7 11.5#

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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 72.280 ug/l

RT: 7.55 min Scan# 622

Delta R.T. -0.00 min

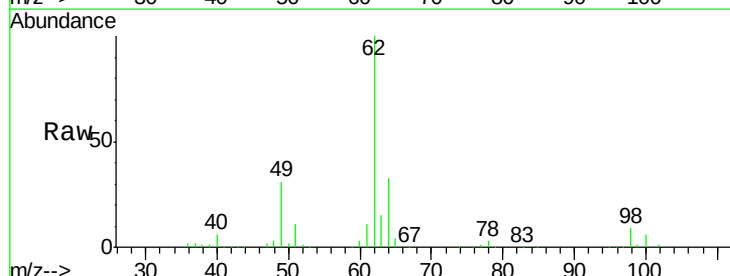
Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

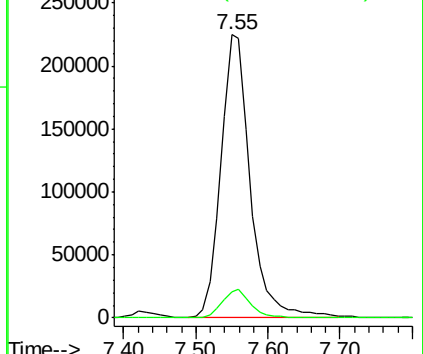
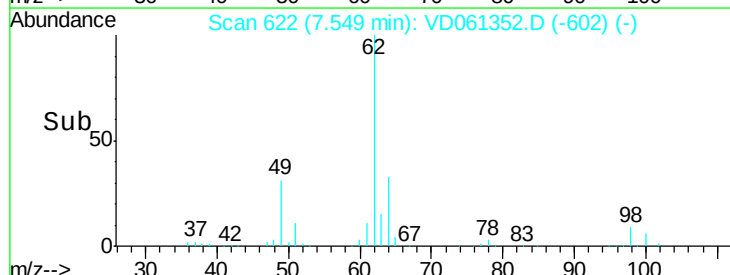
Tgt Ion: 62 Resp: 628527
Ion Ratio Lower Upper

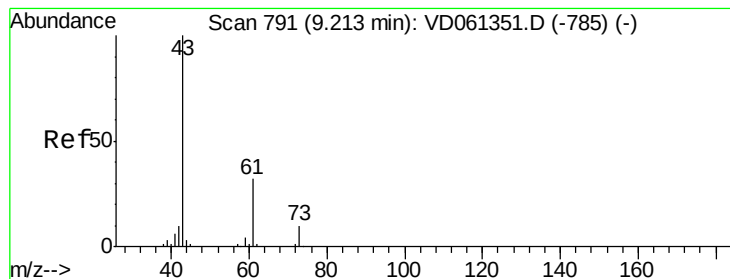
62 100

98 9.0 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 78.138 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

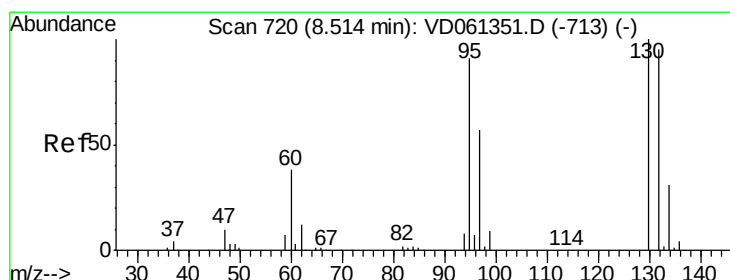
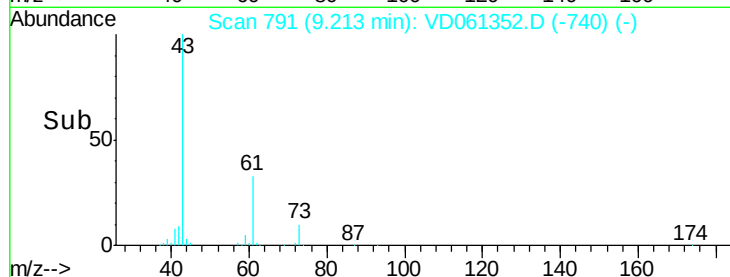
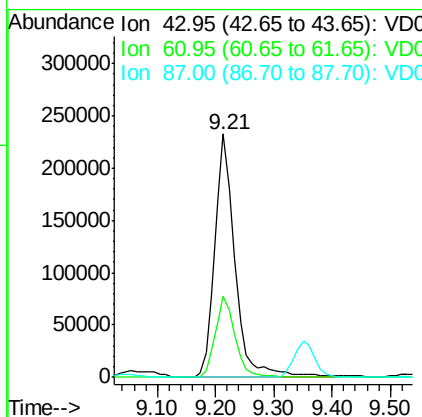
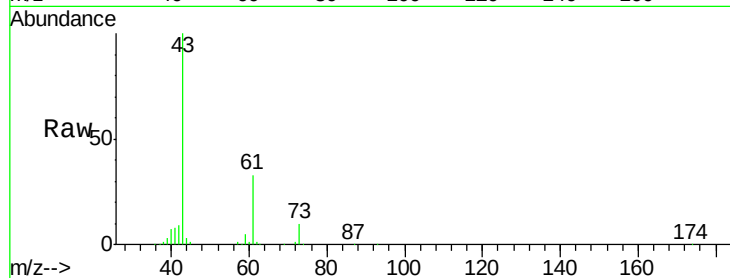
ClientSampleId :

VSTDIC075

Tgt Ion:	43	Resp:	563199
Ion	Ratio	Lower	Upper
43	100		
61	33.3	25.8	38.6
87	0.3	0.0	0.0#

Manual Integrations
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MMDadoda
4/1/2019 3:01:39 PM



#44

Trichloroethene

Concen: 72.467 ug/l

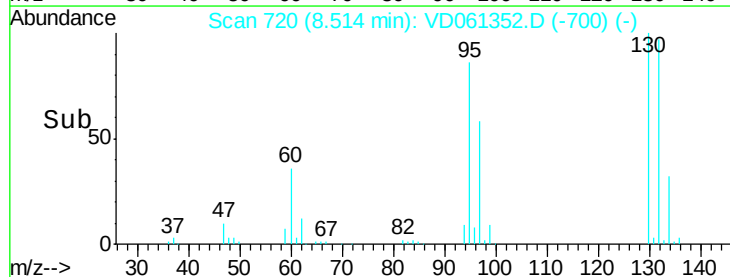
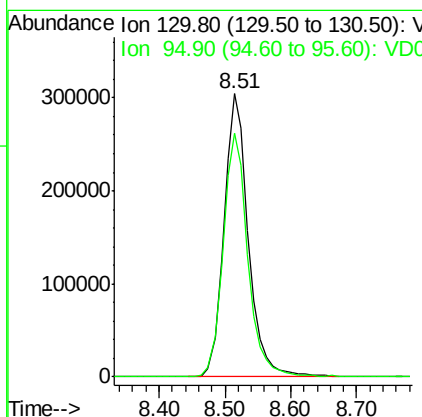
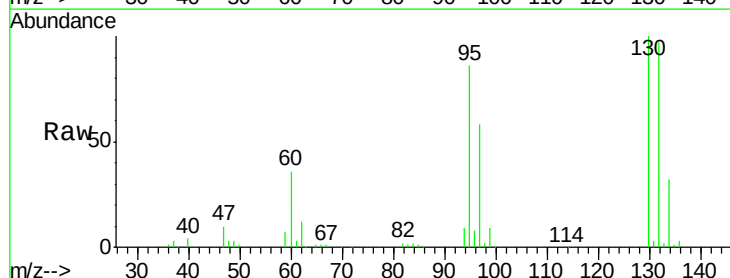
RT: 8.51 min Scan# 720

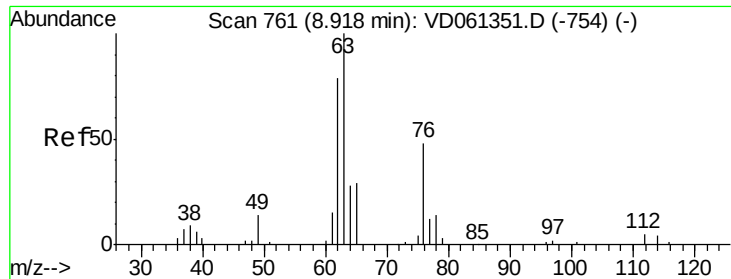
Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Tgt Ion:	130	Resp:	783984
Ion	Ratio	Lower	Upper
130	100		
95	86.0	0.0	181.4





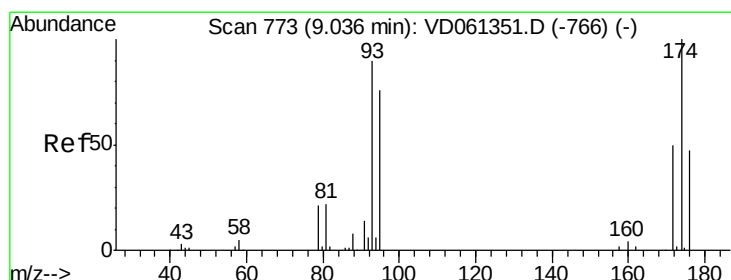
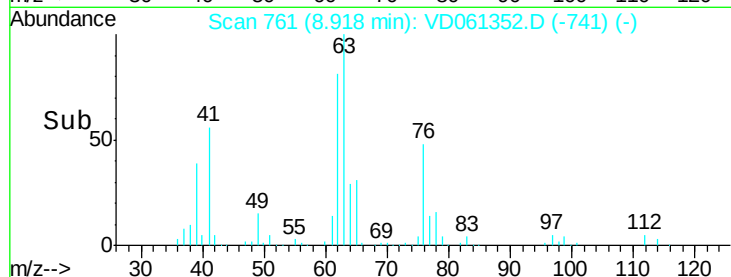
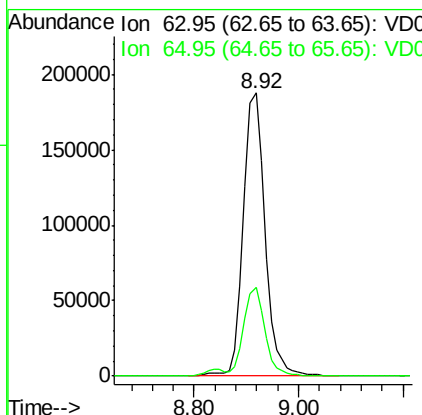
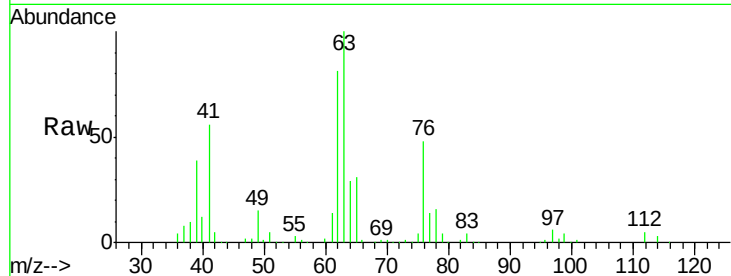
#45
 1,2-Dichloropropane
 Concen: 71.368 ug/l
 RT: 8.92 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 63 Resp: 526088
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

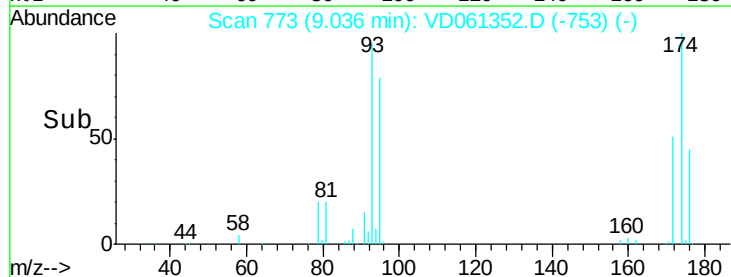
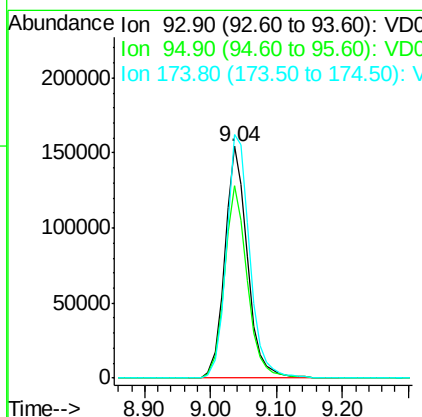
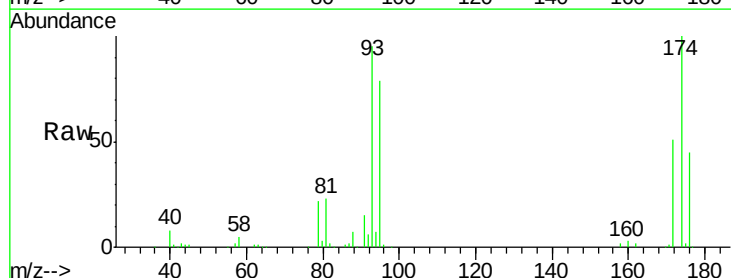
Manual Integrations
 APPROVED

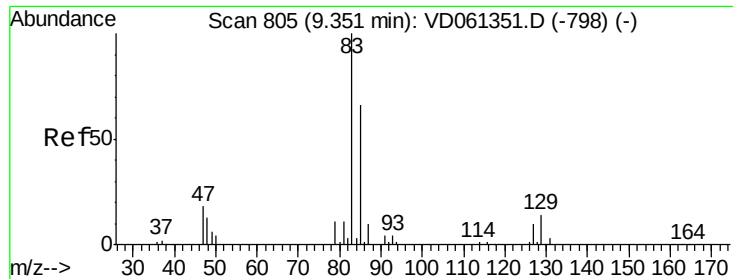
MMDadoda
 4/1/2019 3:01:39 PM



#46
 Dibromomethane
 Concen: 74.736 ug/l
 RT: 9.04 min Scan# 773
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Tgt Ion: 93 Resp: 370806
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.4 101.0
 174 105.2 88.9 133.3





#47

Bromodichloromethane

Concen: 73.531 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

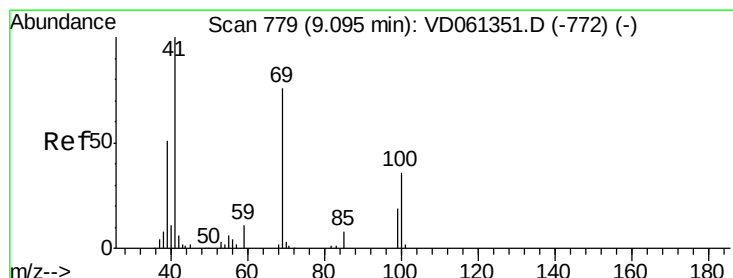
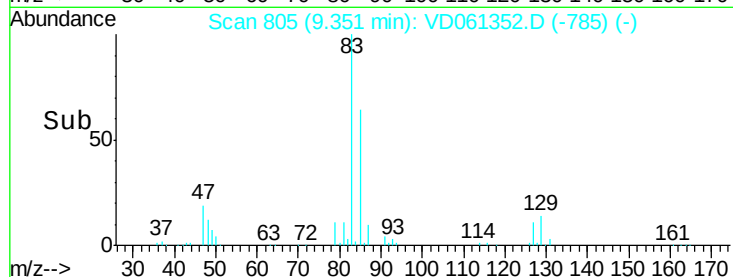
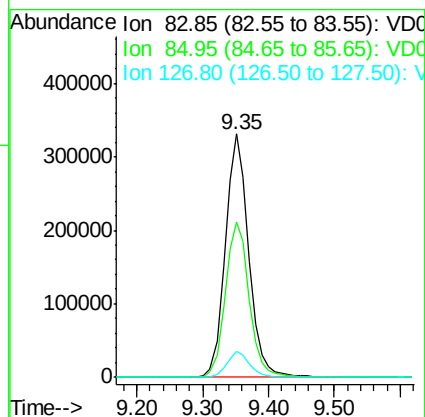
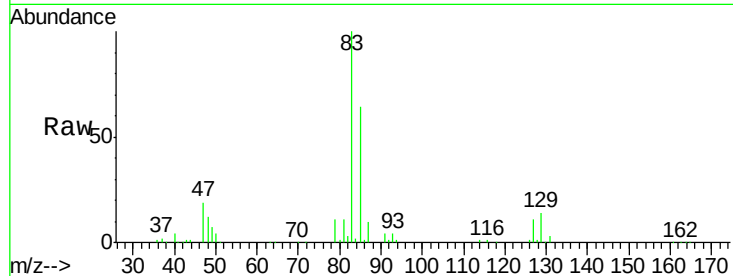
ClientSampleId :

VSTDIC075

Tgt Ion:	83	Resp:	818837
Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.0	79.4
127	10.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:01:39 PM



#48

Methyl methacrylate

Concen: 73.201 ug/l

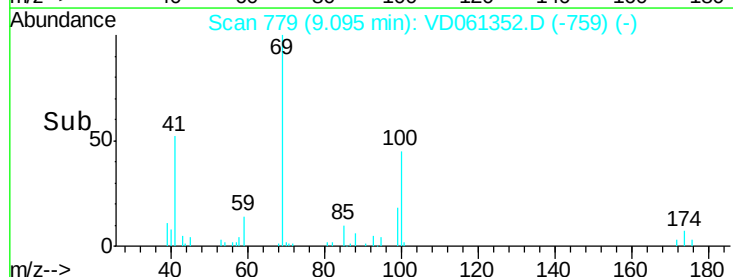
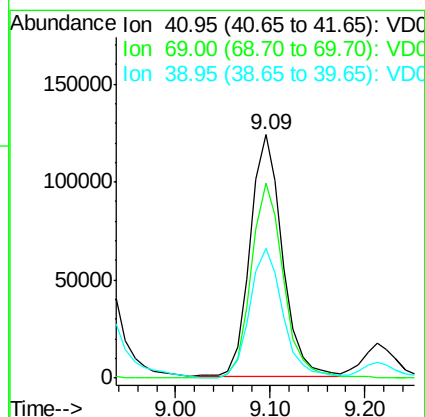
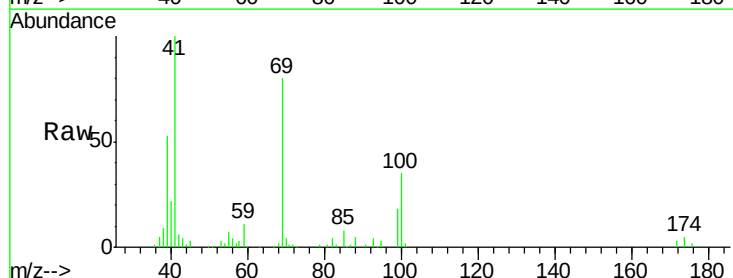
RT: 9.09 min Scan# 779

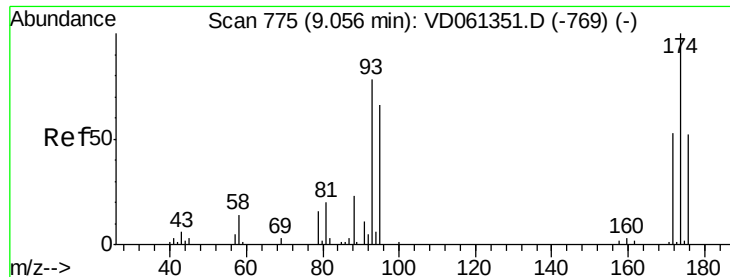
Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Tgt Ion:	41	Resp:	291182
Ion	Ratio	Lower	Upper
41	100		
69	80.1	60.2	90.4
39	53.1	41.4	62.2





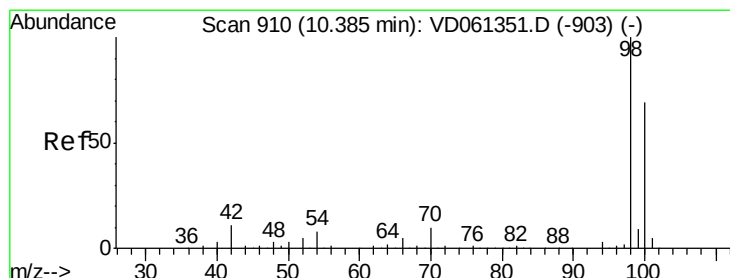
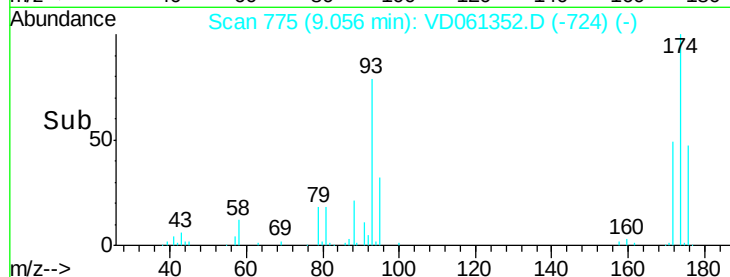
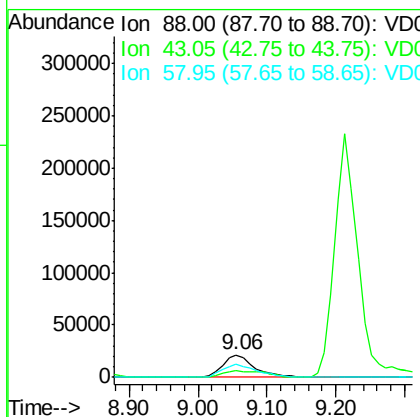
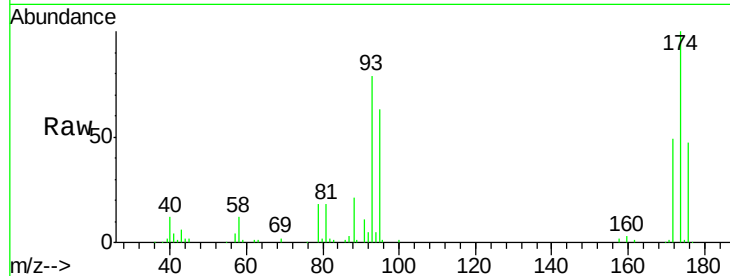
#49
1,4-Dioxane
Concen: 1580.450 ug/l
RT: 9.06 min Scan# 775
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.3	34.9
58	59.4	50.8	76.2

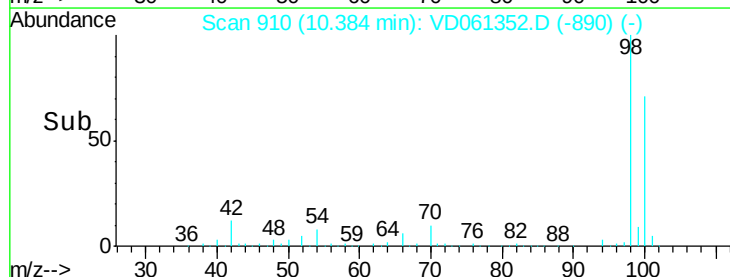
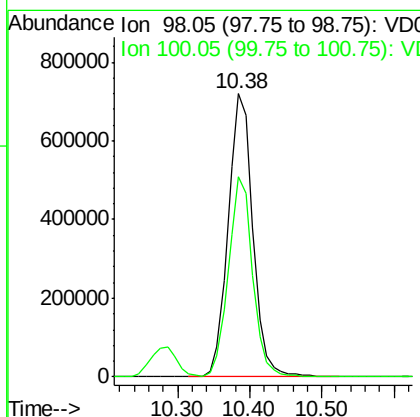
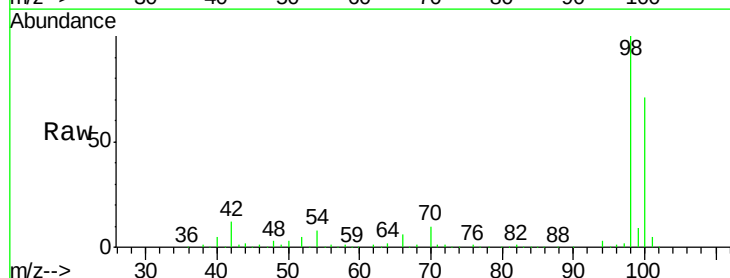
Manual Integrations
APPROVED

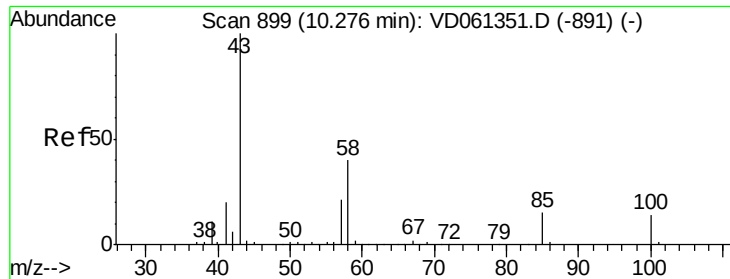
MMDadoda
4/1/2019 3:01:39 PM



#50
Toluene-d8
Concen: 1580.450 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.5	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 355.949 ug/l

RT: 10.28 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 43 Resp: 1560882

Ion Ratio Lower Upper

43 100

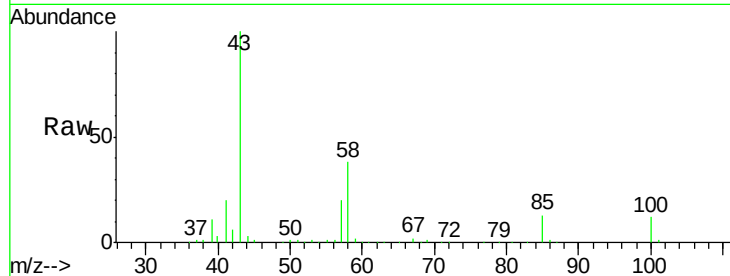
58 37.6 31.8 47.8

Manual Integrations

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MMDadoda

4/1/2019 3:01:39 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

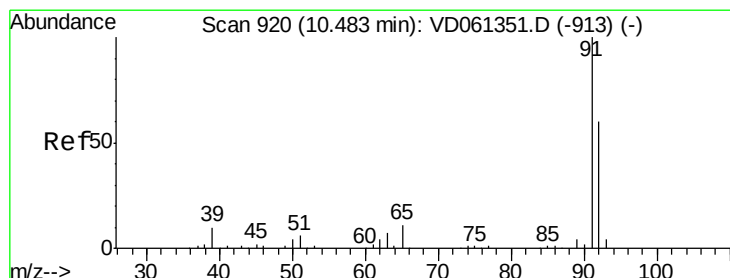
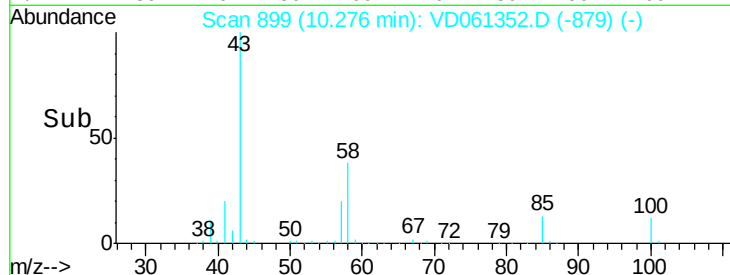
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 70.511 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.00 min

Lab File: VD061352.D

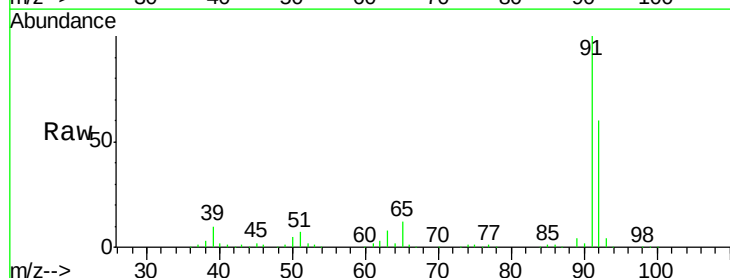
Acq: 27 Mar 2019 13:35

Tgt Ion: 92 Resp: 1250517

Ion Ratio Lower Upper

92 100

91 165.4 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1000000

800000

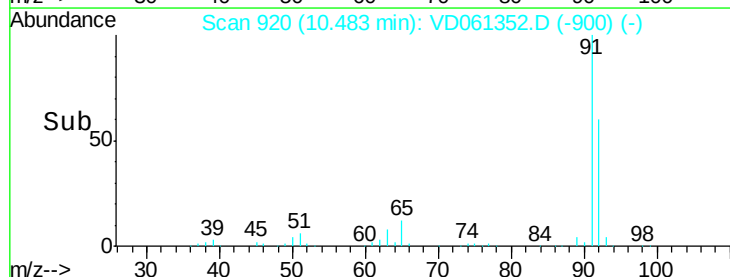
600000

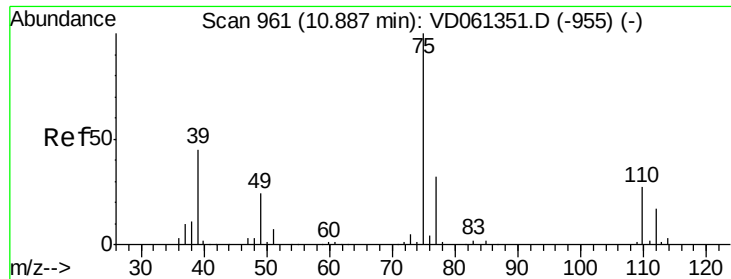
400000

200000

0

Time-->





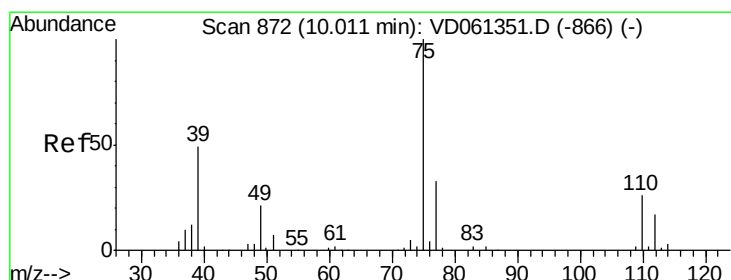
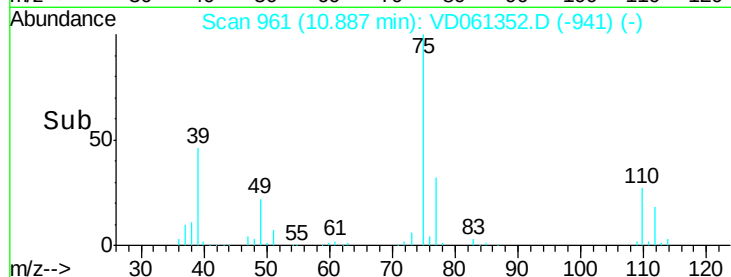
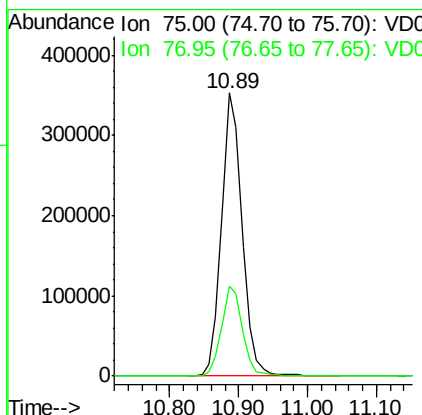
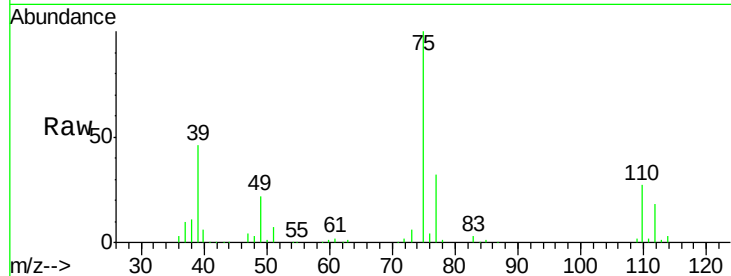
#53
t-1,3-Dichloropropene
Concen: 72.485 ug/l
RT: 10.89 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 75 Resp: 733373
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

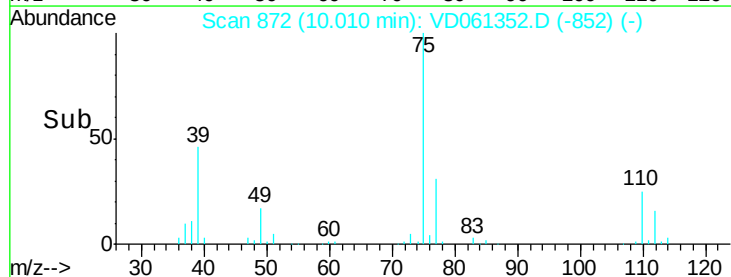
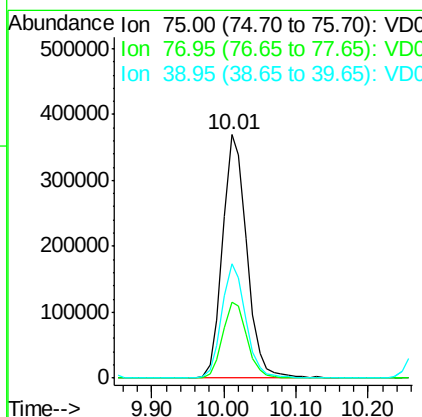
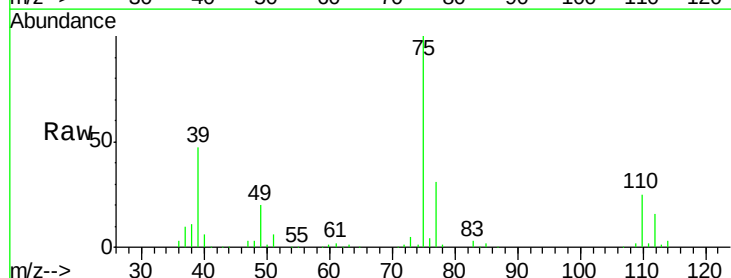
Manual Integrations
APPROVED

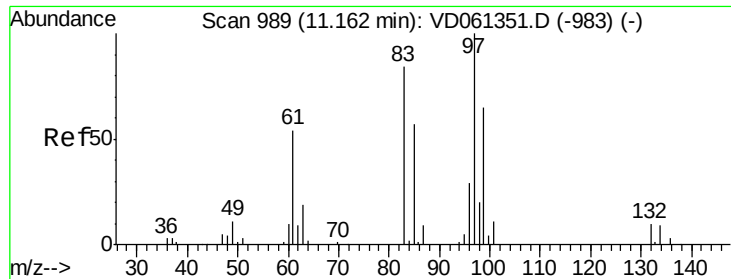
MMDadoda
4/1/2019 3:01:39 PM



#54
cis-1,3-Dichloropropene
Concen: 69.704 ug/l
RT: 10.01 min Scan# 872
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 75 Resp: 858731
Ion Ratio Lower Upper
75 100
77 31.1 26.2 39.4
39 46.8 39.4 59.0





#55

1,1,2-Trichloroethane

Concen: 73.447 ug/l

RT: 11.16 min Scan# 989

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 455545

Ion Ratio Lower Upper

97 100

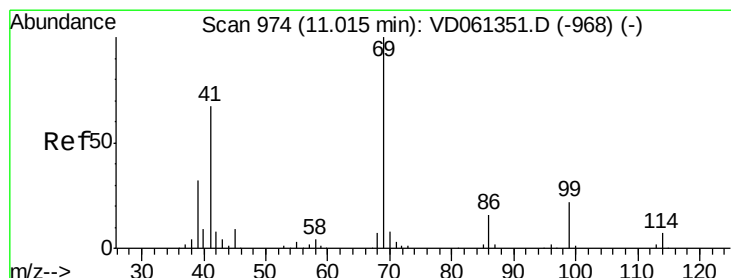
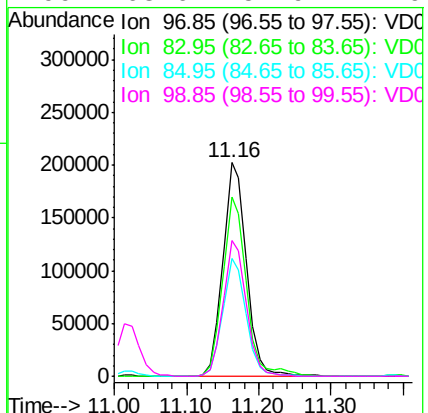
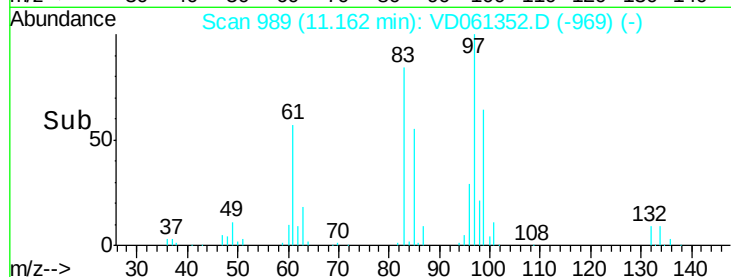
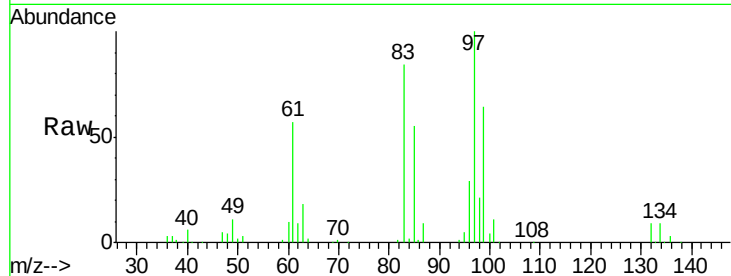
83 83.9 67.0 100.6

85 55.0 45.4 68.2

99 63.6 51.9 77.9

Manual Integrations
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MMDadoda
4/1/2019 3:01:39 PM



#56

Ethyl methacrylate

Concen: 72.779 ug/l

RT: 11.01 min Scan# 974

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

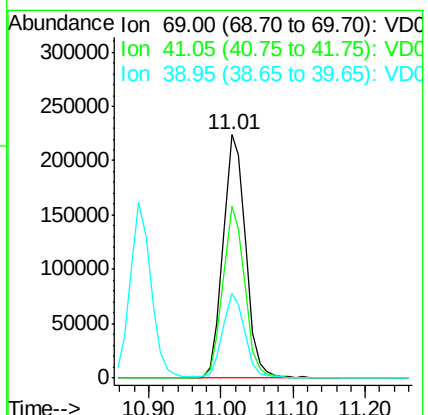
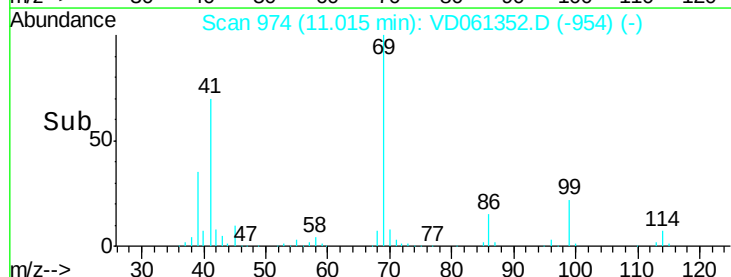
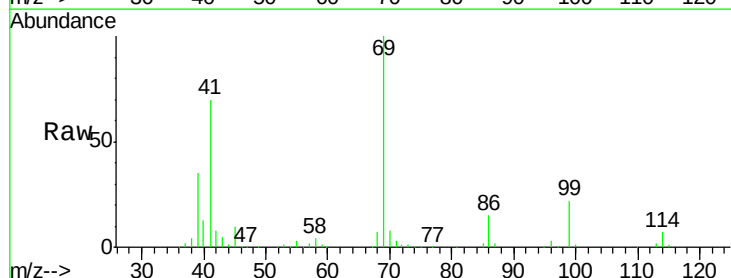
Tgt Ion: 69 Resp: 484933

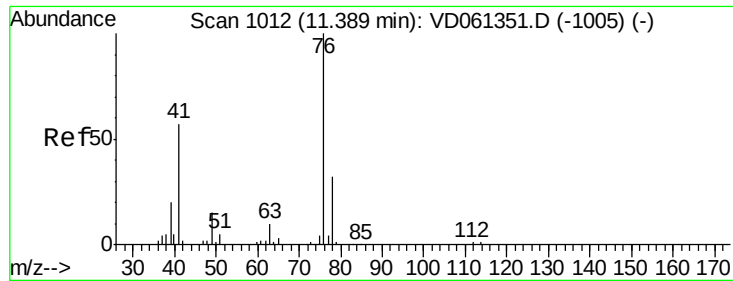
Ion Ratio Lower Upper

69 100

41 70.5 53.8 80.6

39 34.6 26.4 39.6





#57

1,3-Dichloropropane

Concen: 70.186 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 76 Resp: 639841

Ion Ratio Lower Upper

76 100

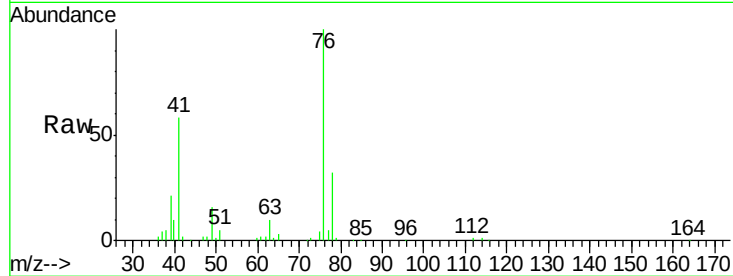
78 31.7 25.4 38.0

Manual Integrations

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MMDadoda

4/1/2019 3:01:39 PM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.39

300000

200000

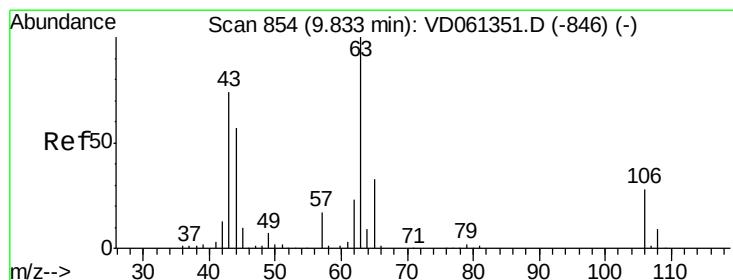
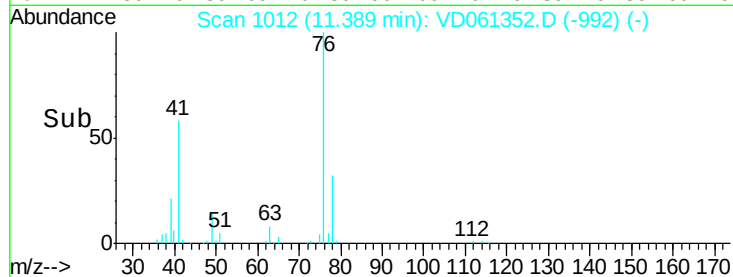
100000

0

11.40

11.60

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 312.861 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.00 min

Lab File: VD061352.D

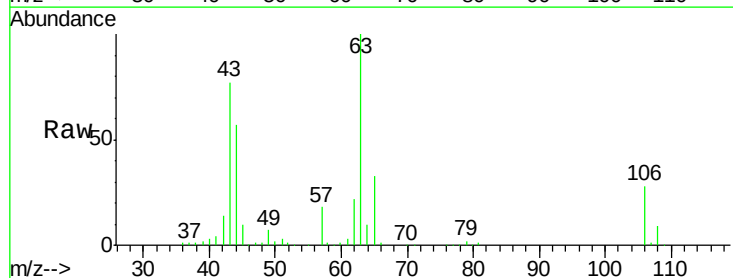
Acq: 27 Mar 2019 13:35

Tgt Ion: 63 Resp: 1015192

Ion Ratio Lower Upper

63 100

106 27.5 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.83

500000

400000

300000

200000

100000

0

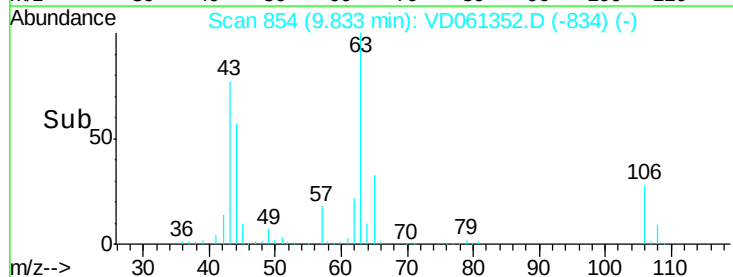
9.70

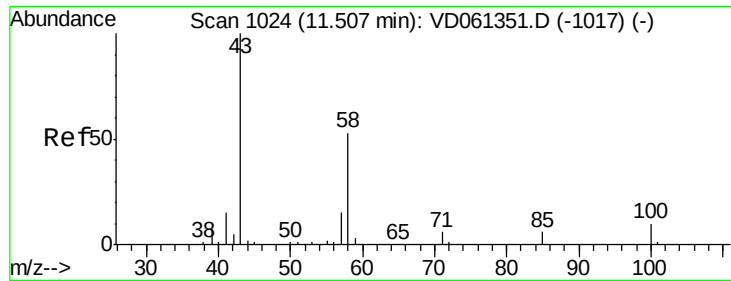
9.80

9.90

10.00

Time-->





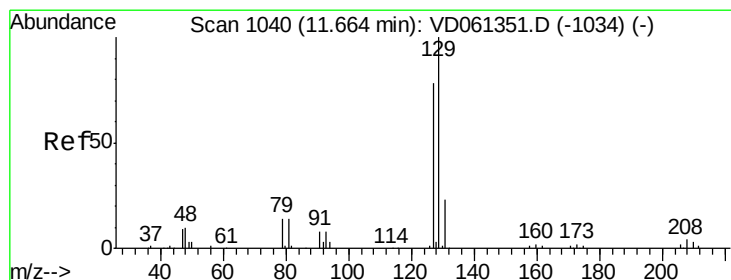
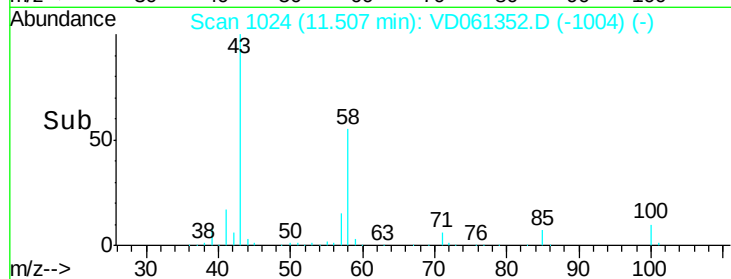
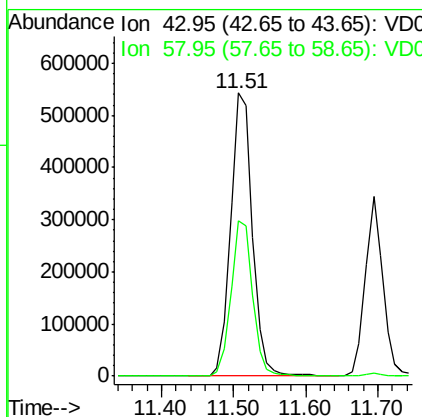
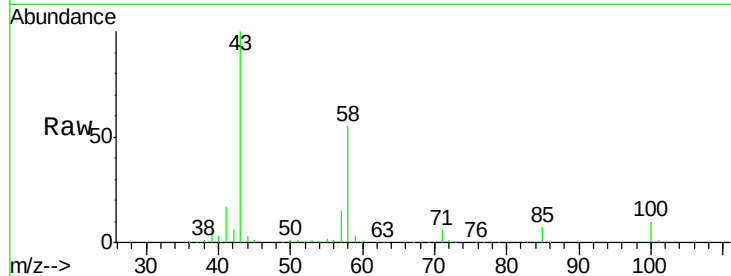
#59
2-Hexanone
Concen: 360.124 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 1144173
Ion Ratio Lower Upper
43 100
58 55.0 26.3 78.9

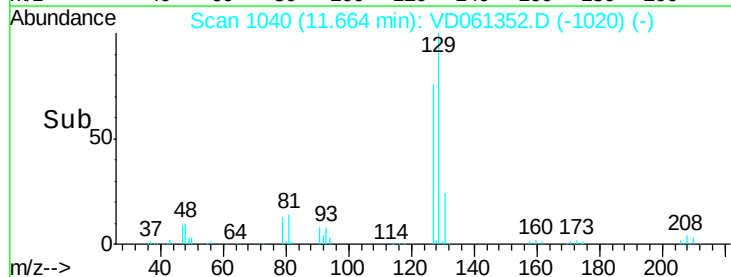
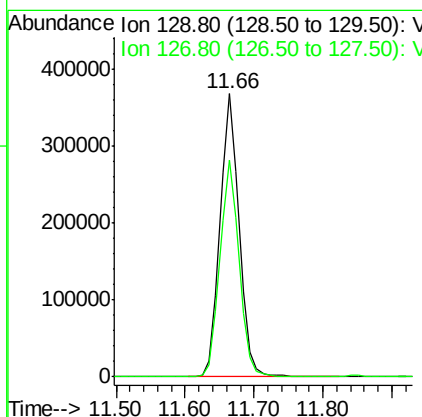
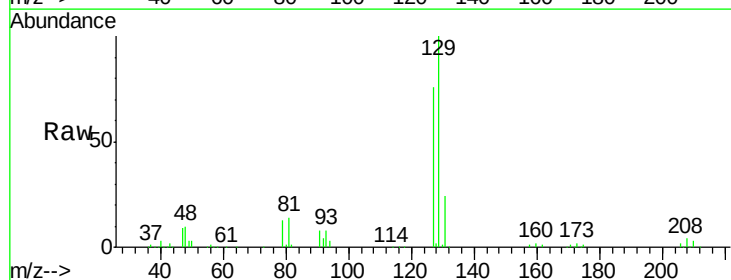
Manual Integrations
APPROVED

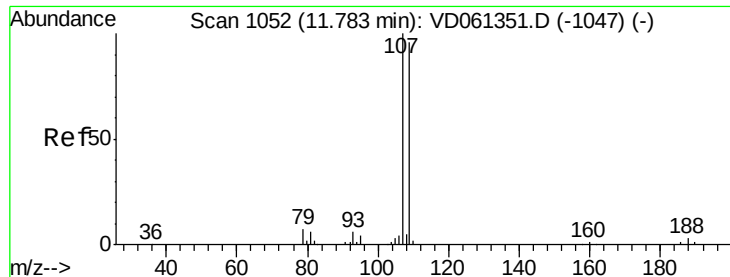
MMDadoda
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#60
Dibromochloromethane
Concen: 73.821 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 129 Resp: 705855
Ion Ratio Lower Upper
129 100
127 76.4 39.0 116.9





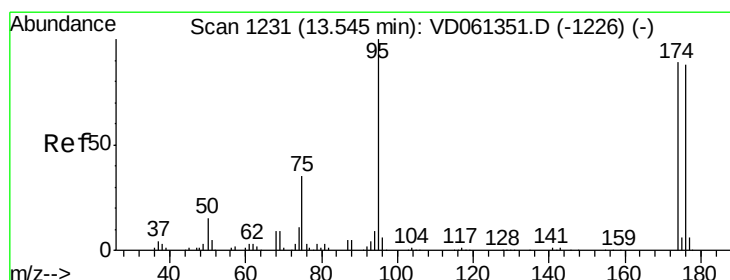
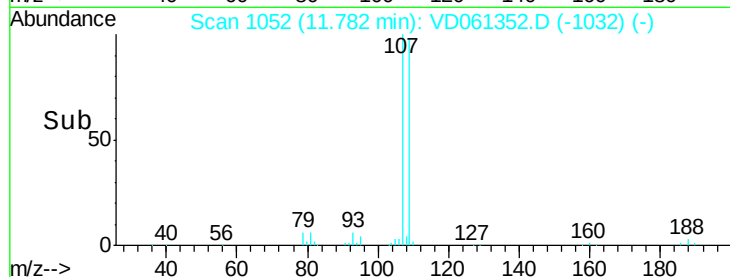
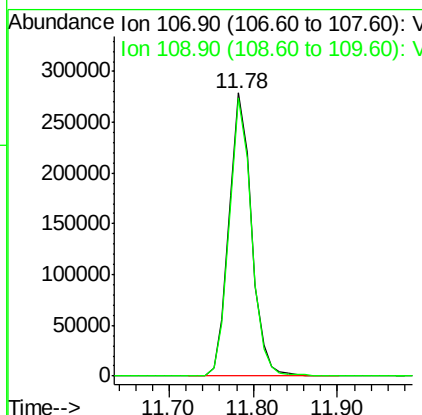
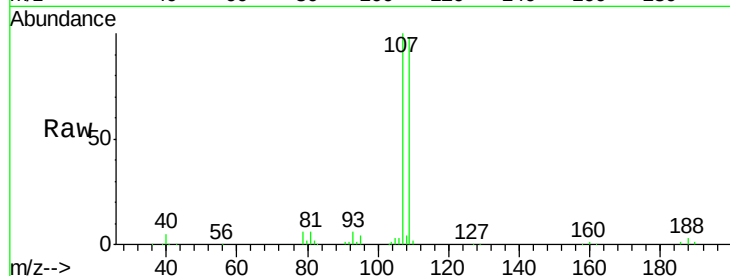
#61
 1,2-Dibromoethane
 Concen: 72.418 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 107 Resp: 520113
 Ion Ratio Lower Upper
 107 100
 109 98.2 76.6 114.8

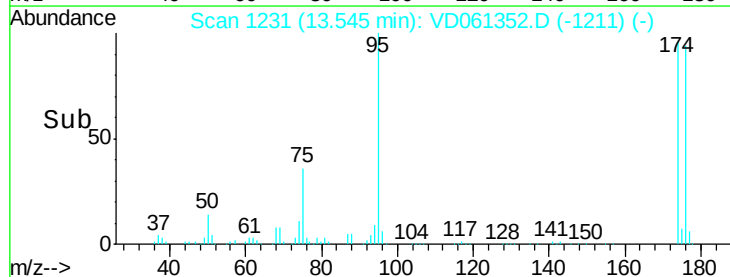
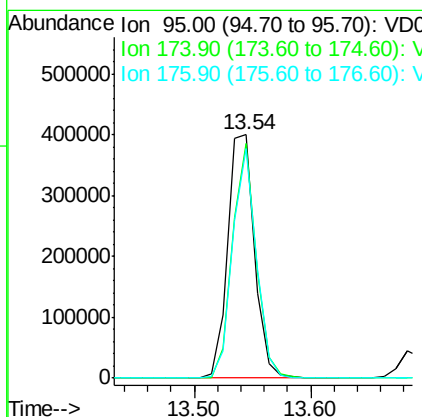
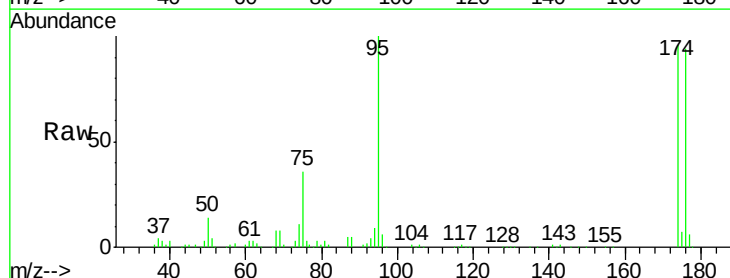
Manual Integrations
 APPROVED

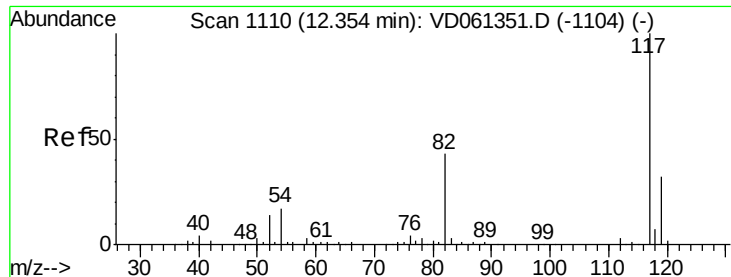
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 72.418 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Tgt Ion: 95 Resp: 636136
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 178.0
 176 94.2 0.0 175.0





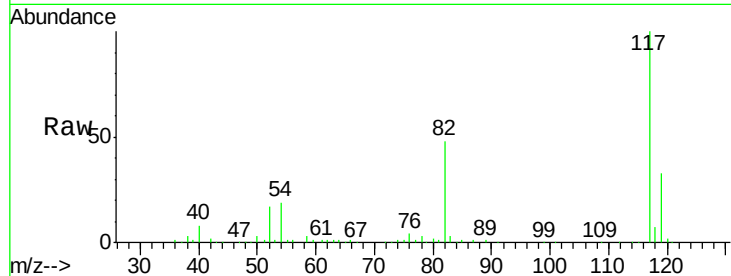
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

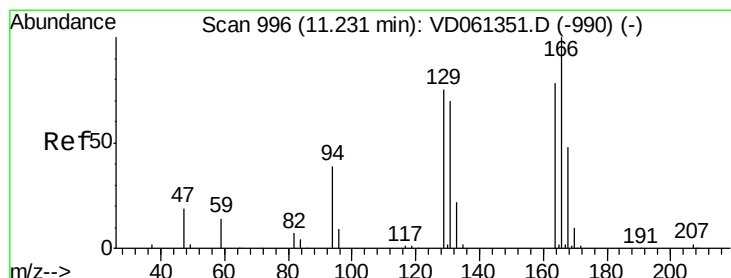
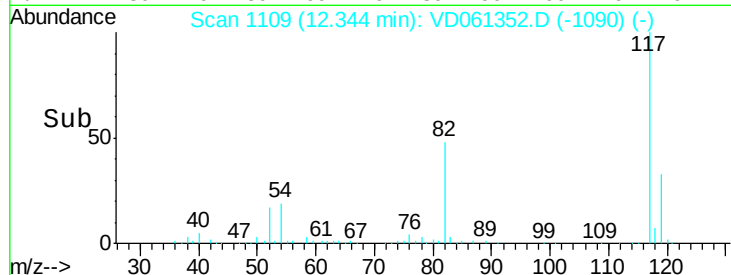
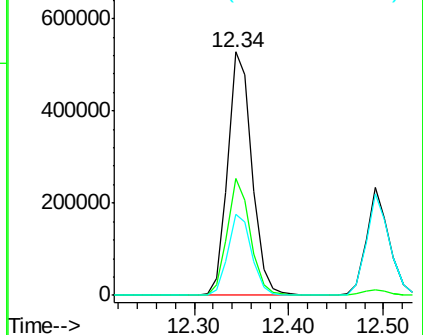
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	935725		
82	48.2	34.4	51.6	
119	33.0	25.8	38.6	

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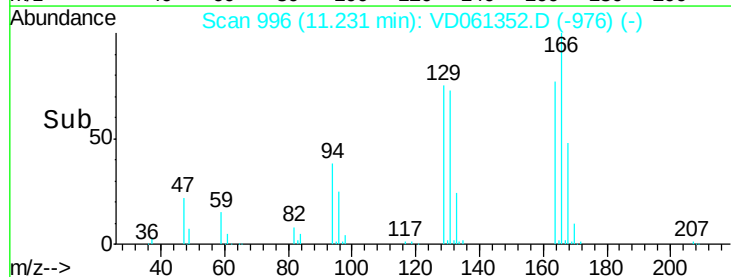
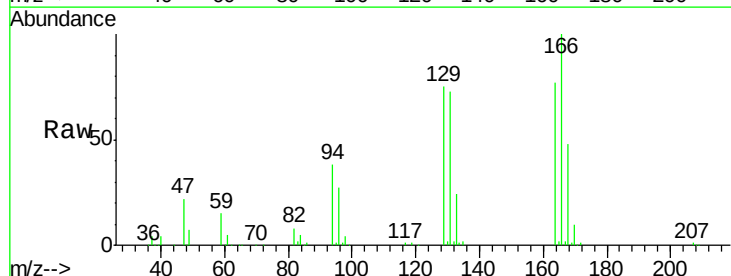
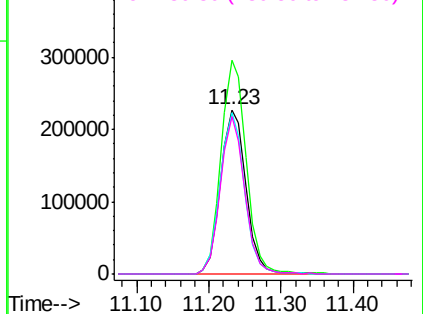
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

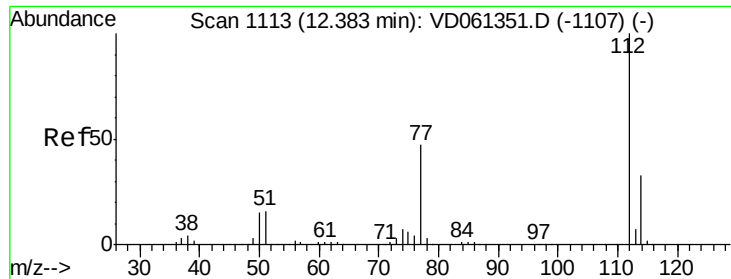


#64
Tetrachloroethene
Concen: 75.332 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	553218		
166	129.9	102.4	153.6	
129	97.9	76.8	115.2	
131	95.5	71.8	107.6	

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





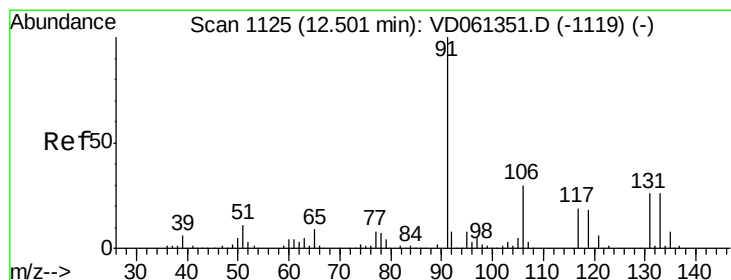
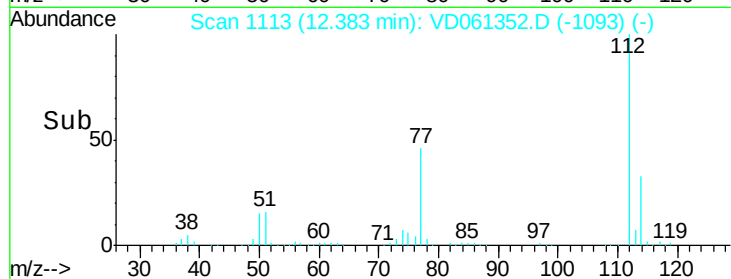
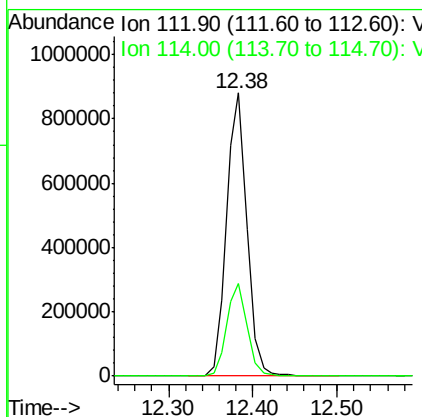
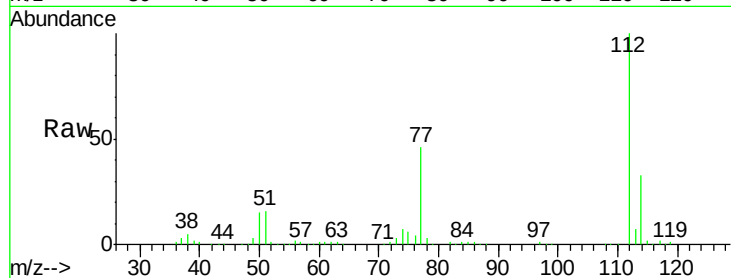
#65
Chlorobenzene
Concen: 76.946 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:112 Resp: 1471452
Ion Ratio Lower Upper
112 100
114 32.7 26.6 39.8

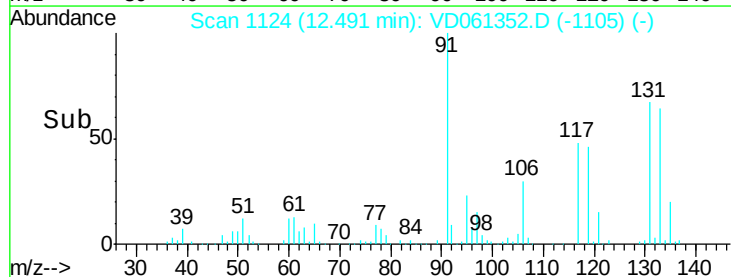
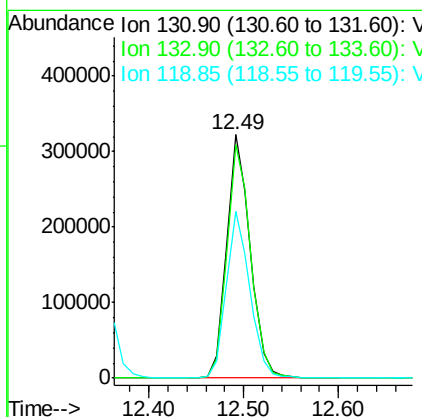
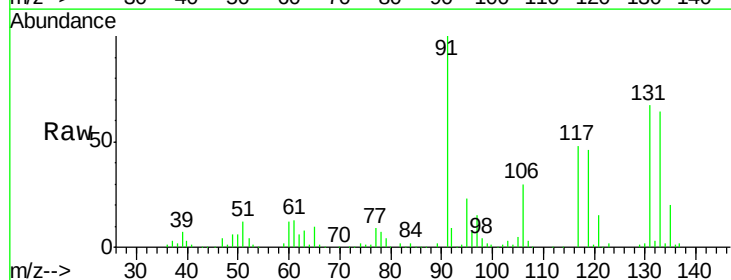
Manual Integrations
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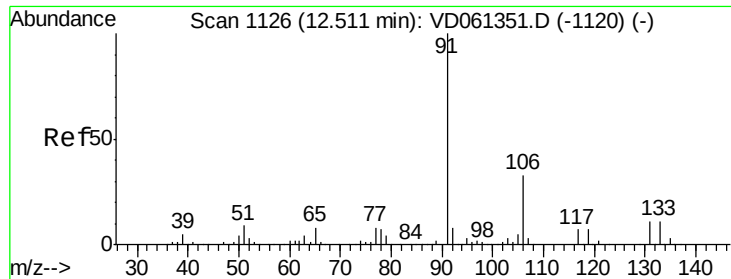
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#66
1,1,1,2-Tetrachloroethane
Concen: 74.346 ug/l
RT: 12.49 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion:131 Resp: 550481
Ion Ratio Lower Upper
131 100
133 95.9 49.4 148.2
119 68.6 34.1 102.2





#67

Ethyl Benzene

Concen: 68.196 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 91 Resp: 1990570

Ion Ratio Lower Upper

91 100

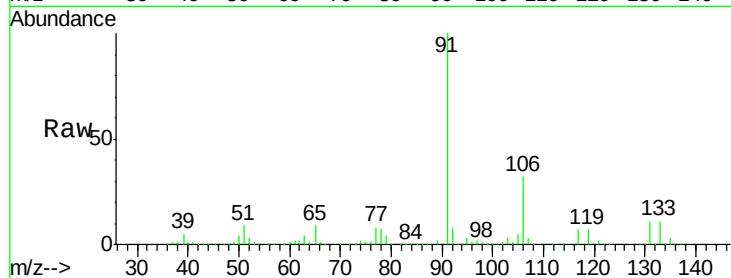
106 32.3 26.1 39.1

Manual Integrations

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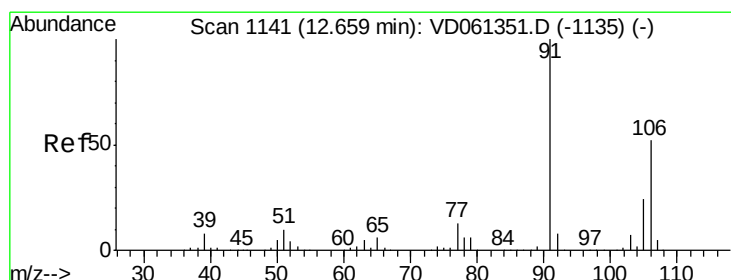
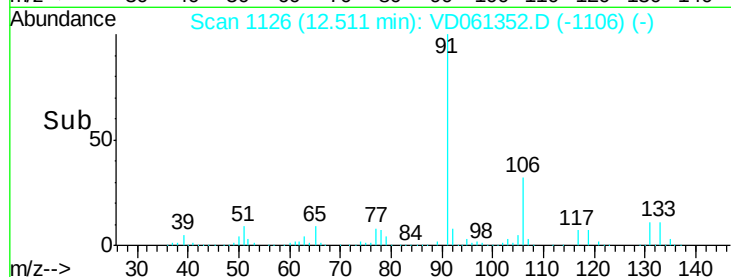
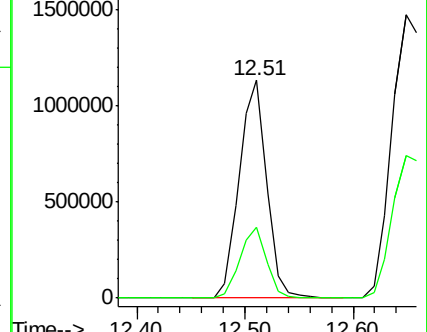
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 146.117 ug/l

RT: 12.65 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VD061352.D

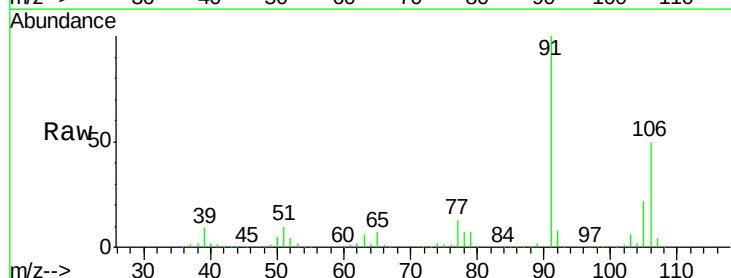
Acq: 27 Mar 2019 13:35

Tgt Ion:106 Resp: 1615593

Ion Ratio Lower Upper

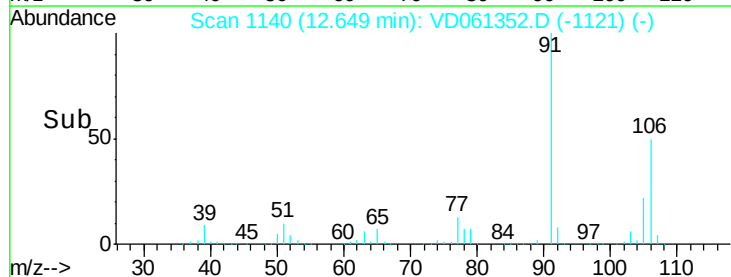
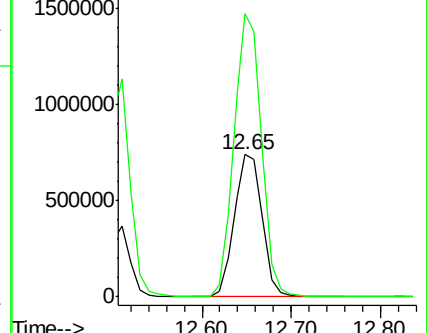
106 100

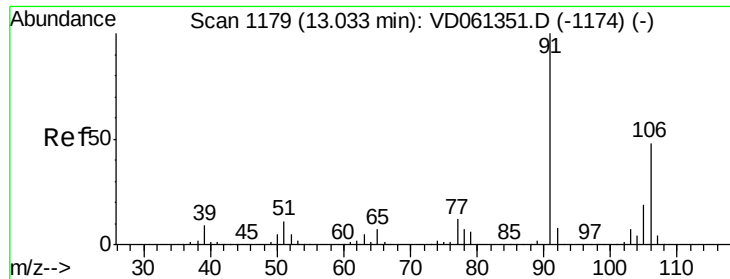
91 199.1 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V





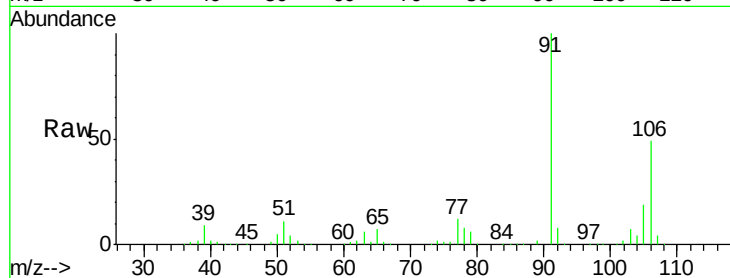
#69
o-Xylene
Concen: 79.375 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

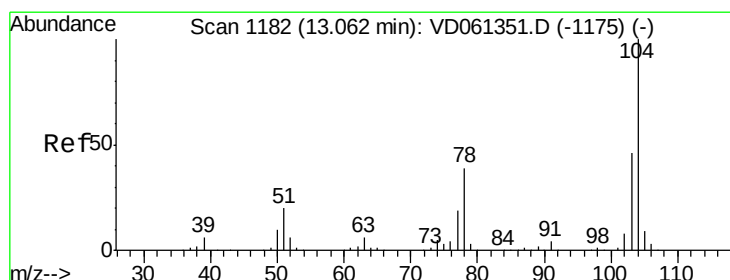
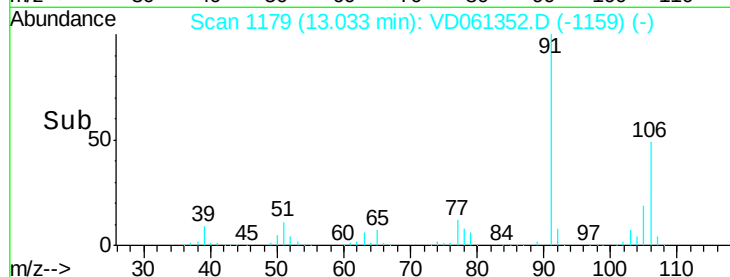
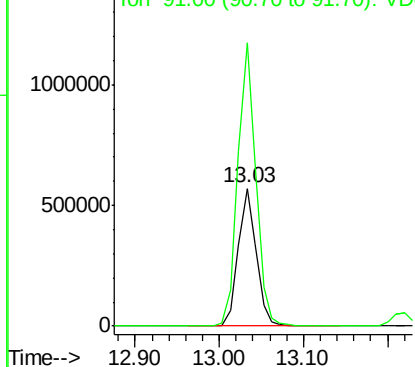
Tgt Ion:106 Resp: 851673
Ion Ratio Lower Upper
106 100
91 205.4 103.8 311.3

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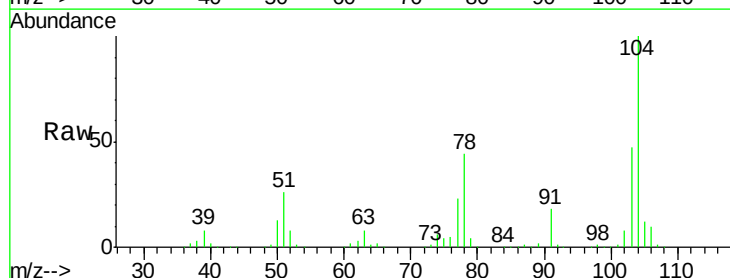


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

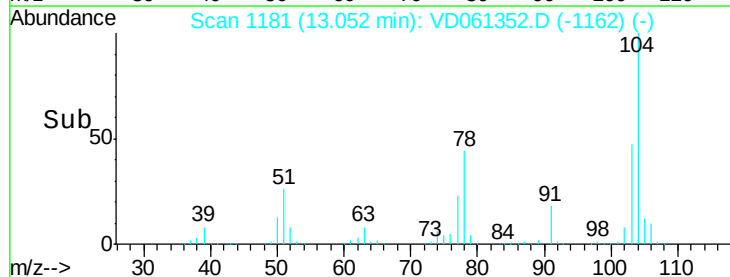
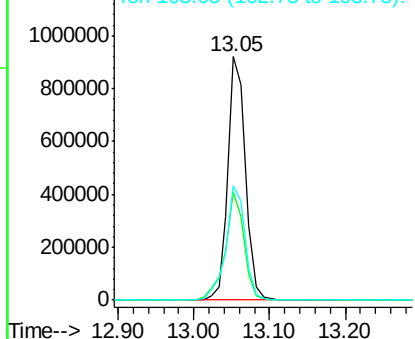


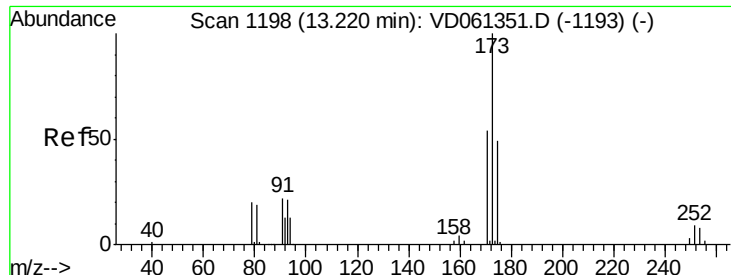
#70
Styrene
Concen: 78.381 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion:104 Resp: 1466054
Ion Ratio Lower Upper
104 100
78 44.2 31.0 46.6
103 47.0 37.0 55.4



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





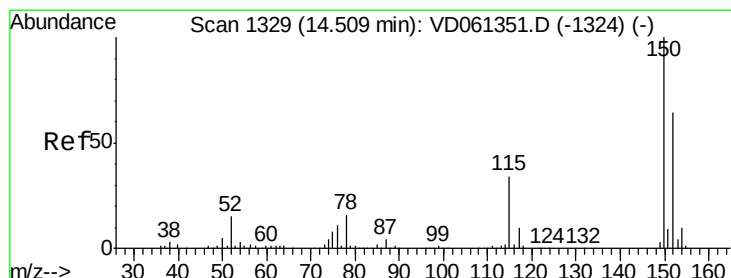
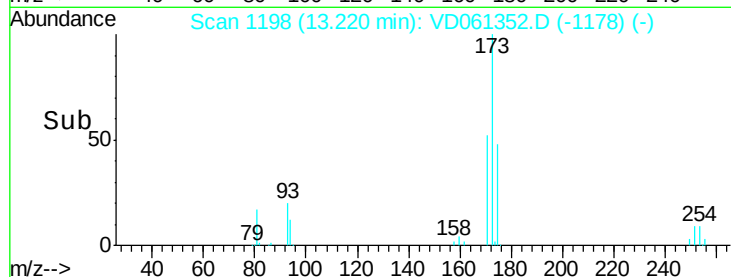
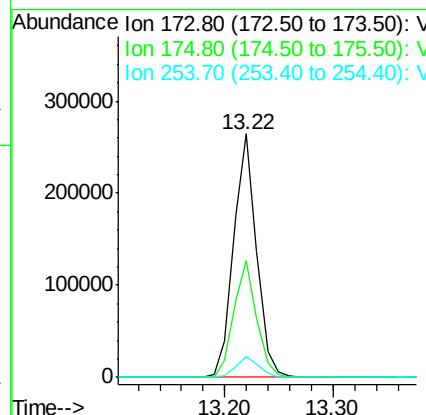
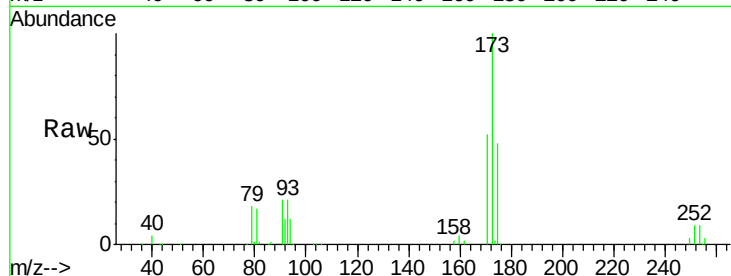
#71
Bromoform
Concen: 82.837 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	73.8
254	8.6	6.6	10.0

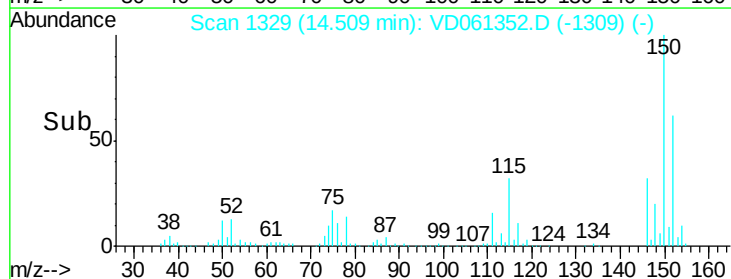
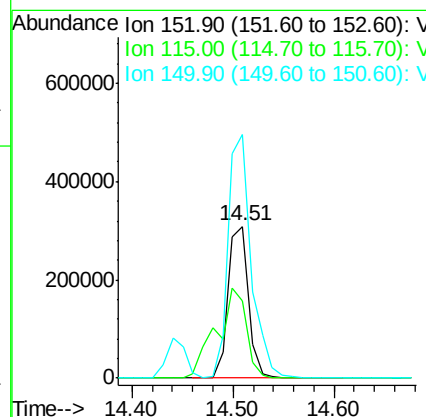
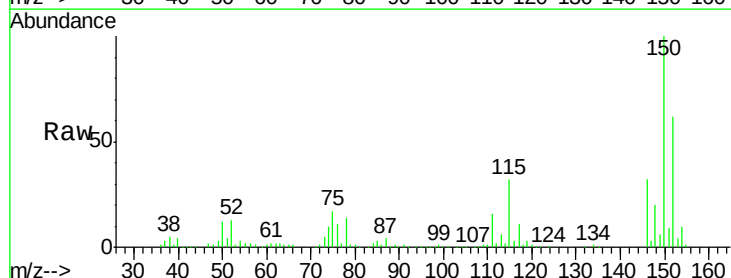
Manual Integrations
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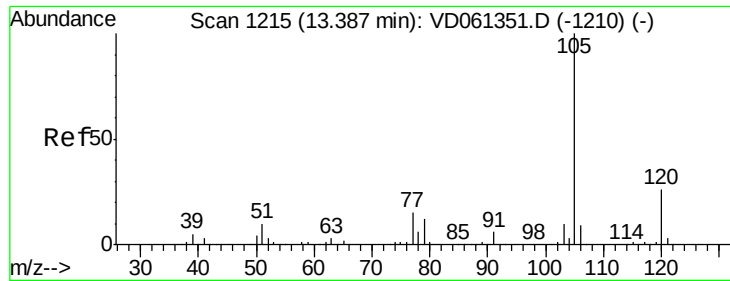
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.7	26.9	80.6
150	160.3	0.0	318.0





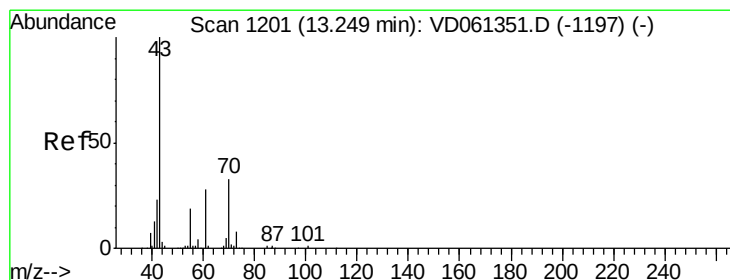
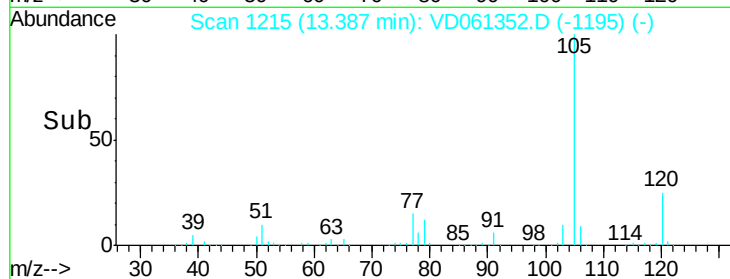
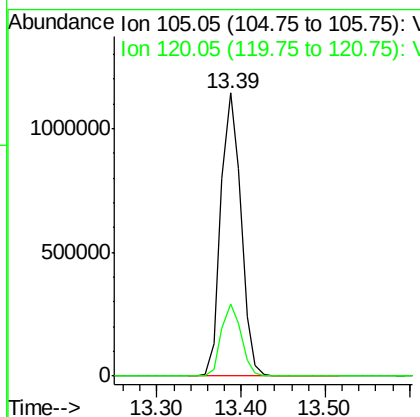
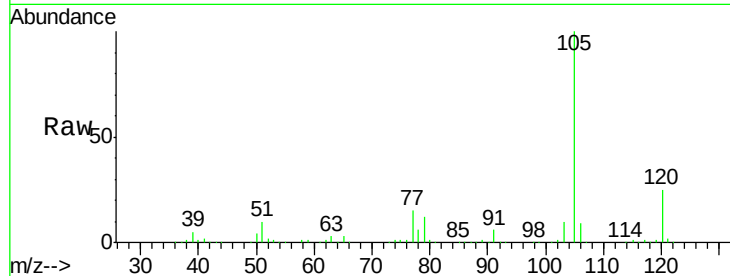
#73
Isopropylbenzene
Concen: 62.659 ug/l
RT: 13.39 min Scan# 1215
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 105 Resp: 1903121
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.3

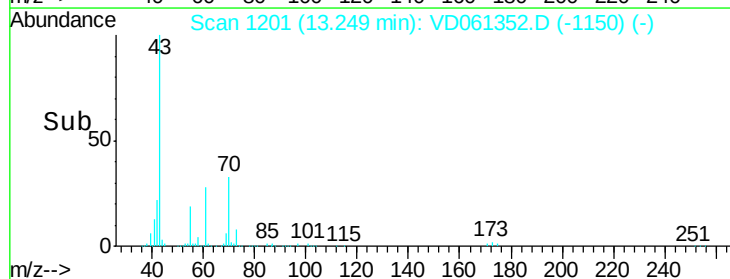
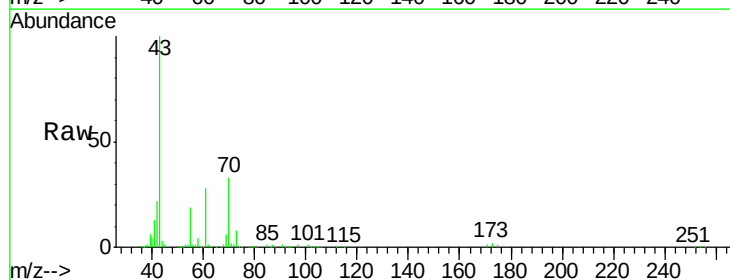
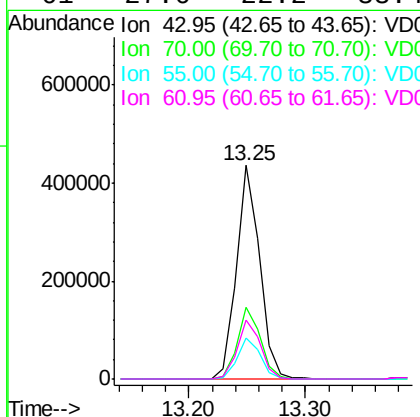
Manual Integrations
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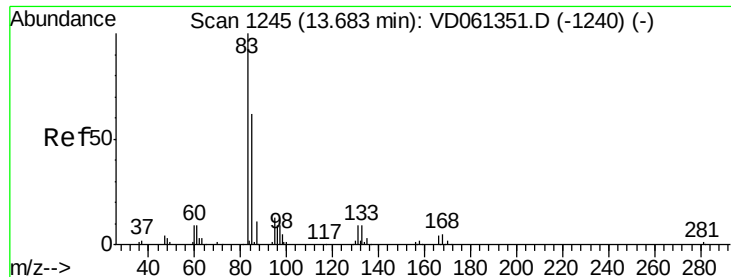
MMDadoda
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#74
N-ethyl acetate
Concen: 70.915 ug/l
RT: 13.25 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 43 Resp: 600005
Ion Ratio Lower Upper
43 100
70 33.4 26.6 40.0
55 19.3 15.4 23.2
61 27.6 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 71.598 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

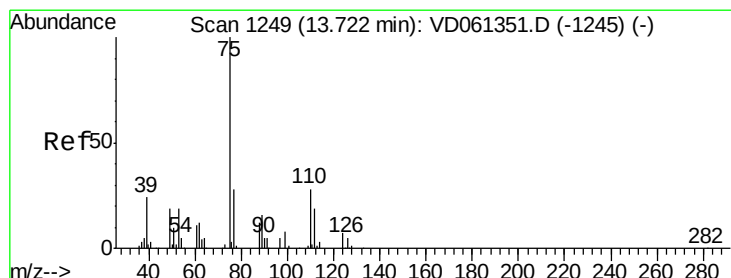
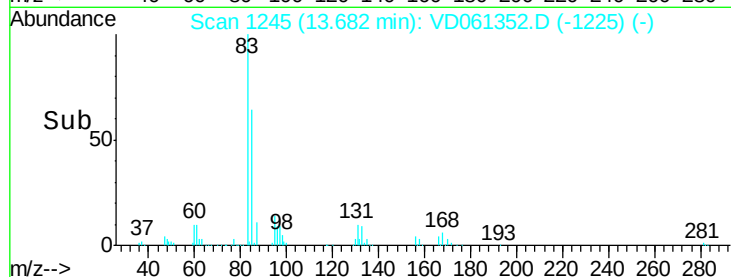
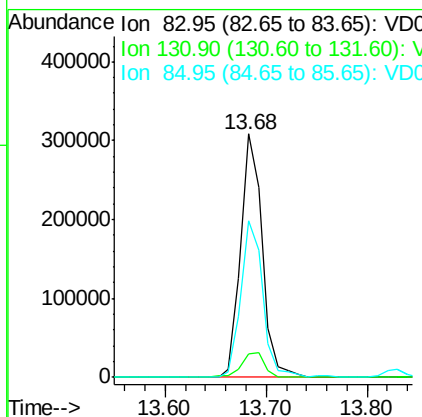
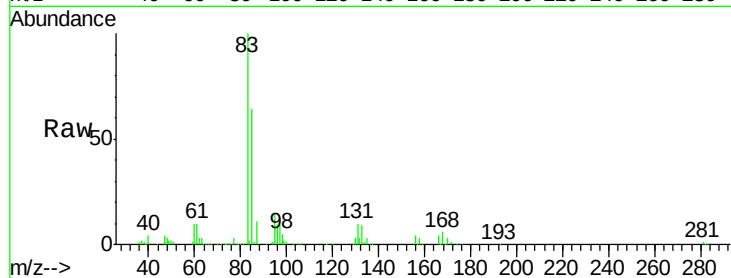
ClientSampleId :

VSTDIC075

Tgt Ion:	83	Resp:	458741
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.3	13.1
85	64.5	31.2	93.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 74.492 ug/l

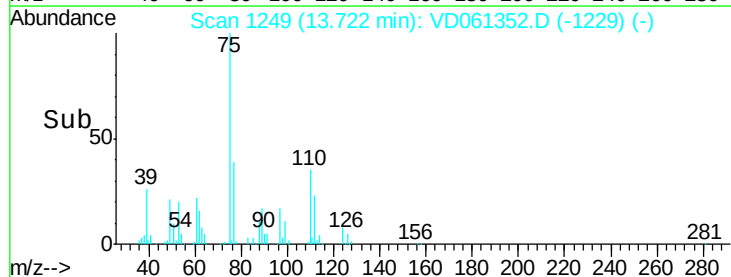
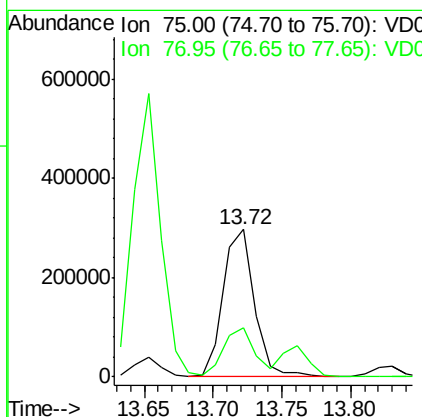
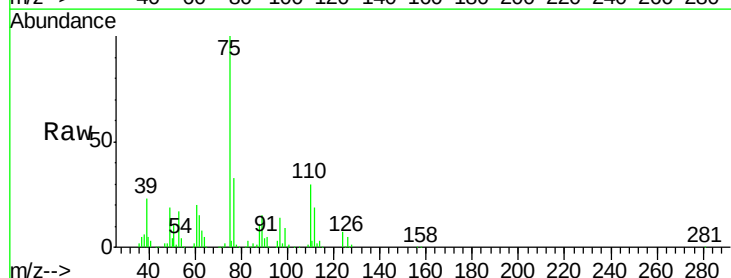
RT: 13.72 min Scan# 1249

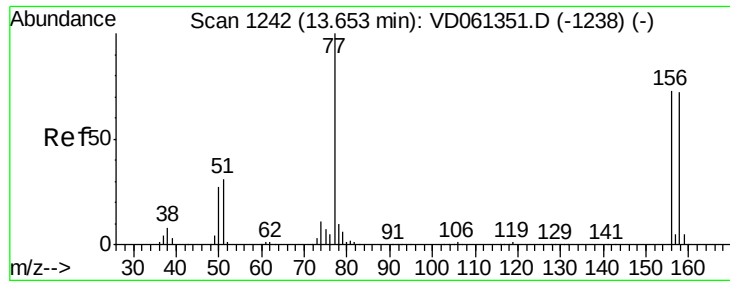
Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Tgt Ion:	75	Resp:	469586
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.2	48.5





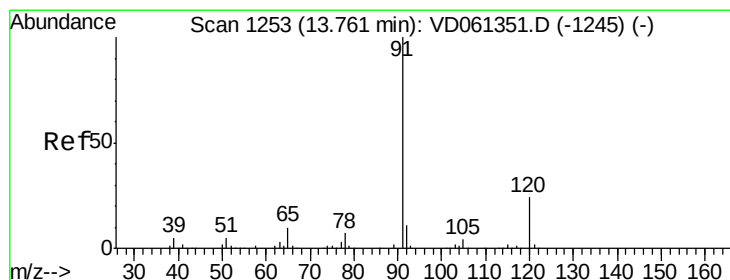
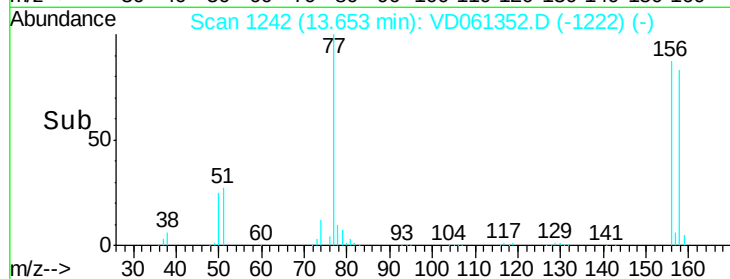
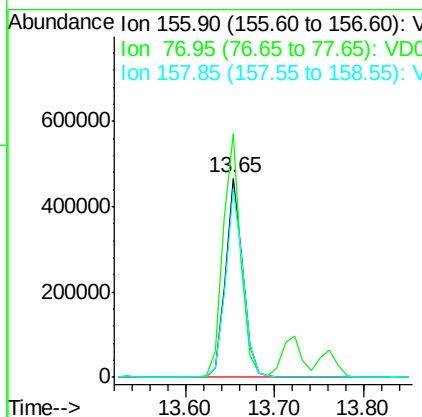
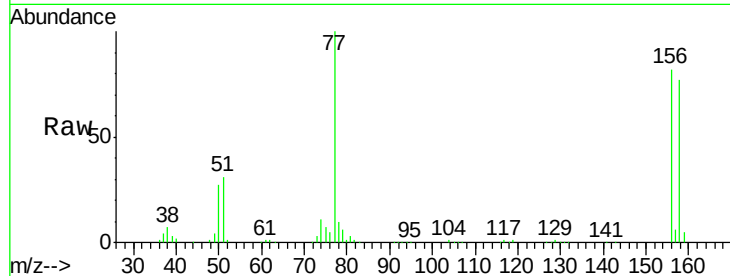
#77
Bromobenzene
Concen: 71.564 ug/l
RT: 13.65 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	644385		
77	122.4	68.5	205.6	
158	94.7	49.1	147.3	

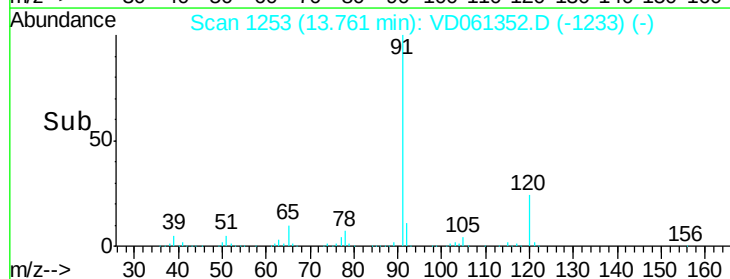
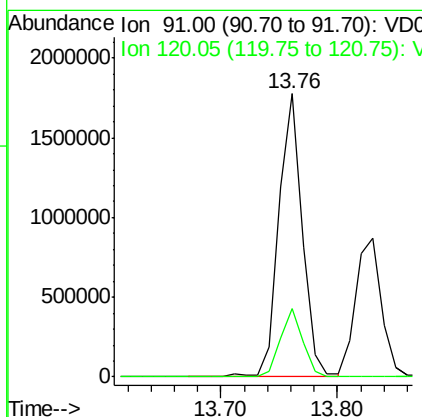
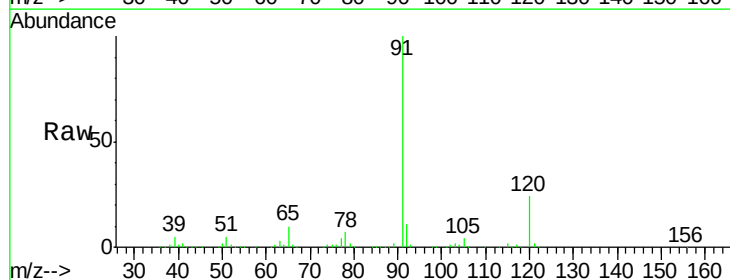
Manual Integrations
APPROVED

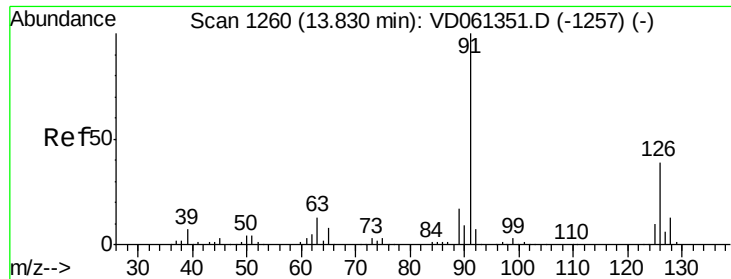
MMDadoda
4/1/2019 3:01:39 PM



#78
n-propylbenzene
Concen: 66.654 ug/l
RT: 13.76 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2477471		
120	24.3	11.8	35.3	





#79

2-Chlorotoluene

Concen: 66.081 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 91 Resp: 1333643

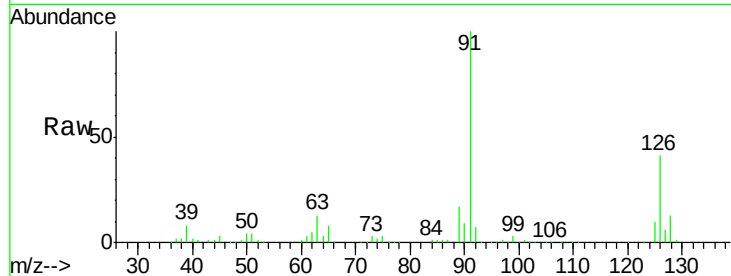
Ion Ratio Lower Upper

91 100

126 40.8 19.4 58.2

Manual Integrations
APPROVED

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4/1/2019 3:01:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

125.95 125.65 126.65

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125.95 125.65 126.65

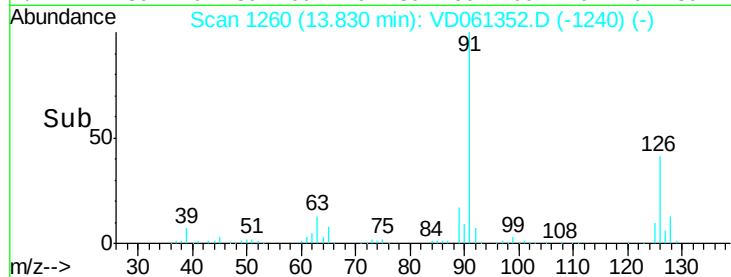
125.95 125.65 126.65

125.95 125.65 126.65

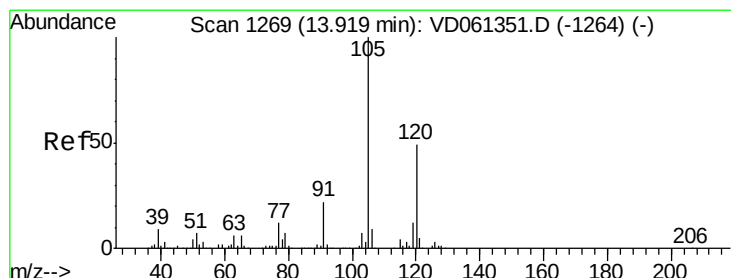
125.95 125.65 126.65

125.95 125.65 126.65

125.95 125.65 126.65



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 62.591 ug/l

RT: 13.92 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD061352.D

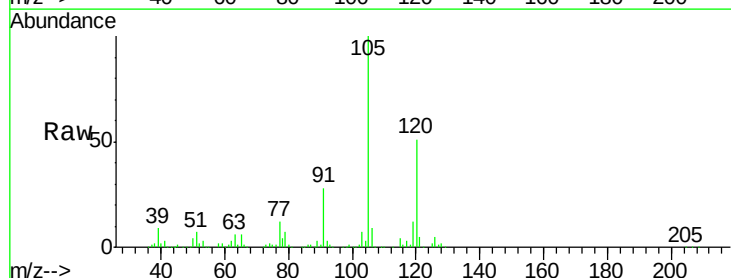
Acq: 27 Mar 2019 13:35

Tgt Ion: 105 Resp: 1570995

Ion Ratio Lower Upper

105 100

120 50.9 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)

120.05 119.75 120.75

120.05 119.75 120.75

120.05 119.75 120.75

120.05 119.75 120.75

120.05 119.75 120.75

120.05 119.75 120.75

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120.05 119.75 120.75

120.05 119.75 120.75

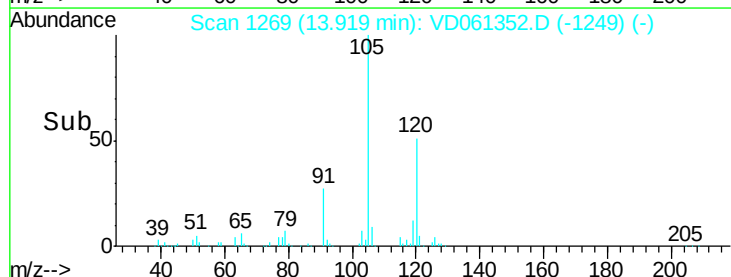
120.05 119.75 120.75

120.05 119.75 120.75

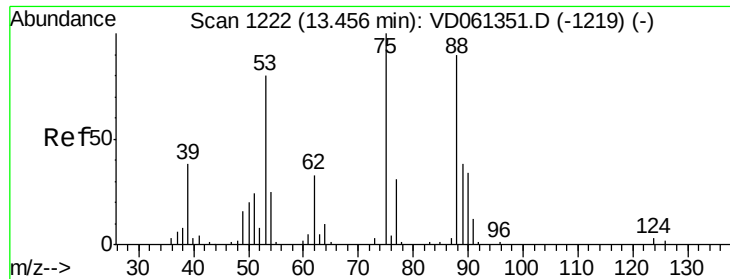
120.05 119.75 120.75

120.05 119.75 120.75

120.05 119.75 120.75



Time-->



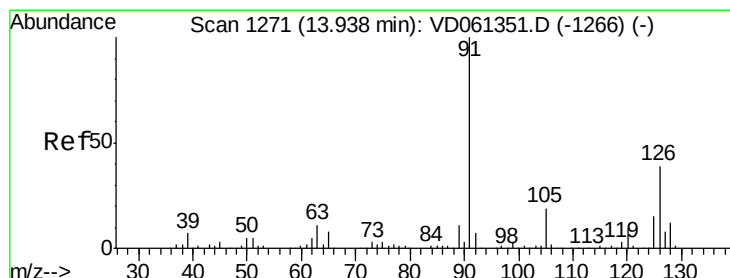
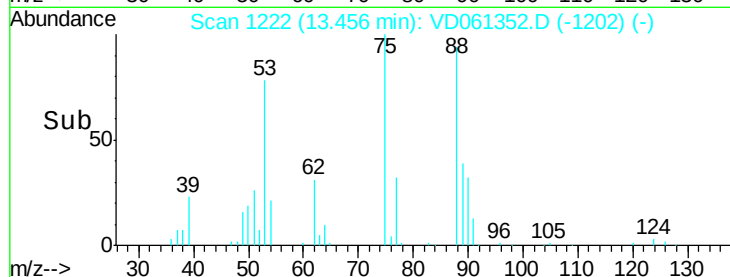
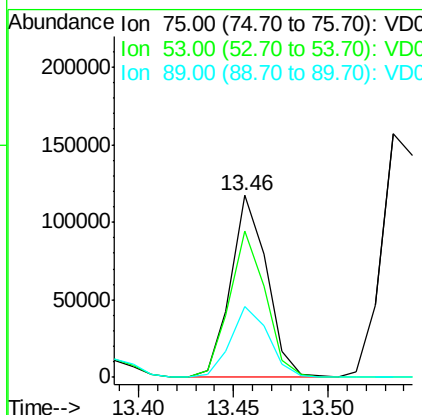
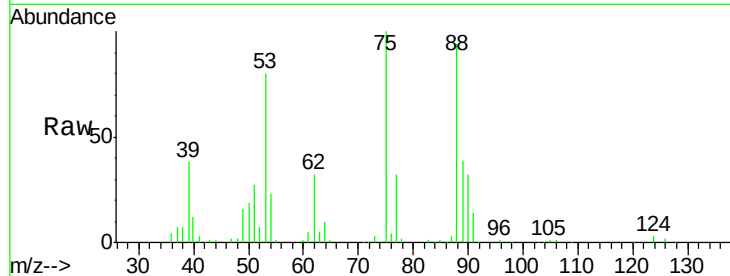
#81
trans-1,4-Dichloro-2-butene
Concen: 81.058 ug/l
RT: 13.46 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
75	100		
53	80.3	63.8	95.8
89	39.0	30.5	45.7

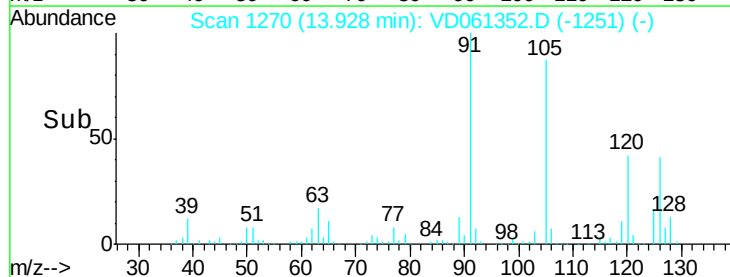
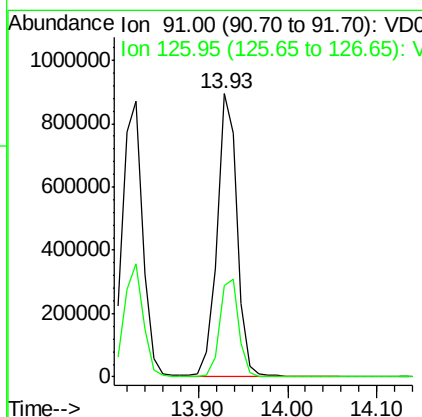
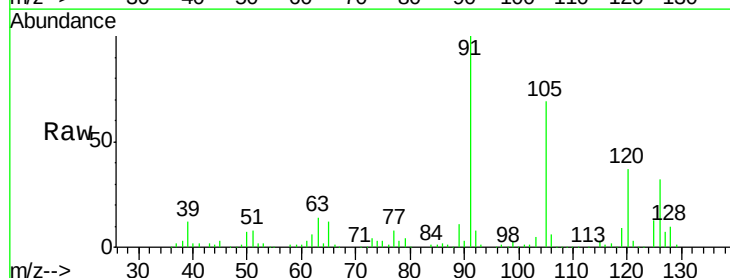
Manual Integrations
APPROVED

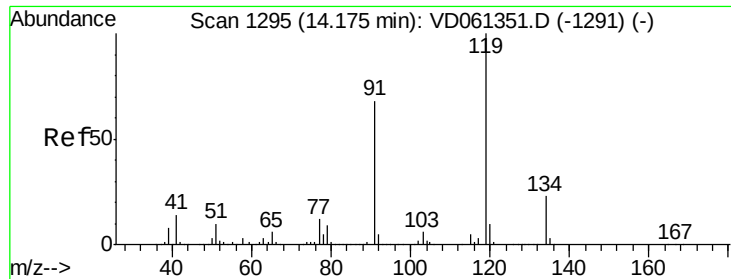
MMDadoda
4/1/2019 3:01:39 PM



#82
4-Chlorotoluene
Concen: 63.587 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	19.6	58.8





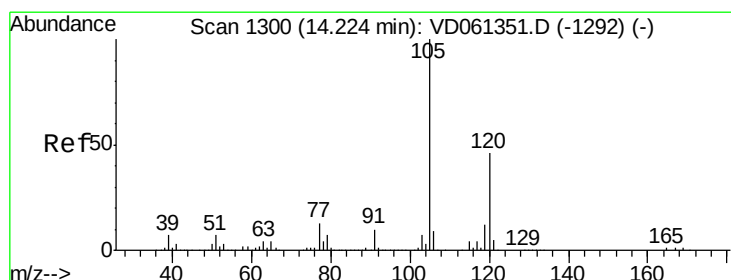
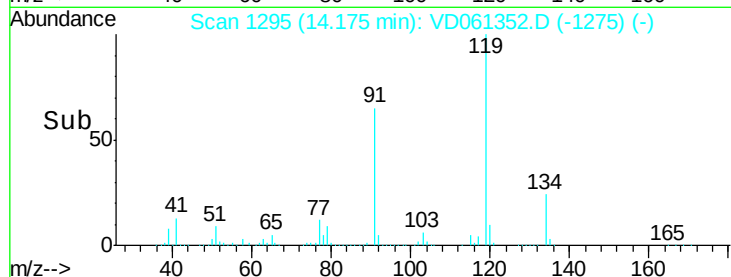
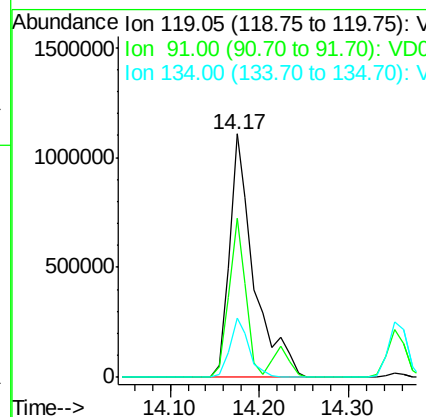
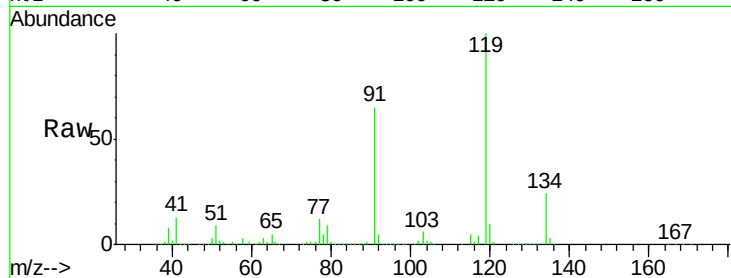
#83
 tert-Butylbenzene
 Concen: 72.548 ug/l
 RT: 14.17 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

Tgt Ion:119 Resp: 2136587
 Ion Ratio Lower Upper
 119 100
 91 65.5 34.1 102.3
 134 24.3 11.6 34.8

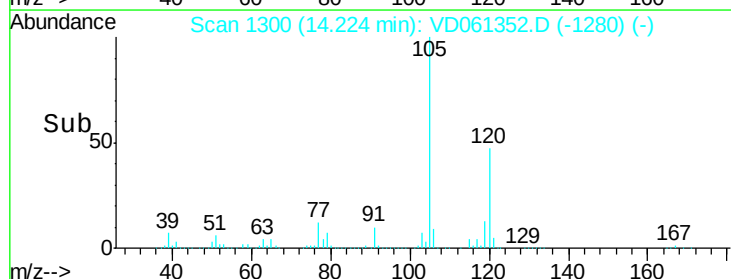
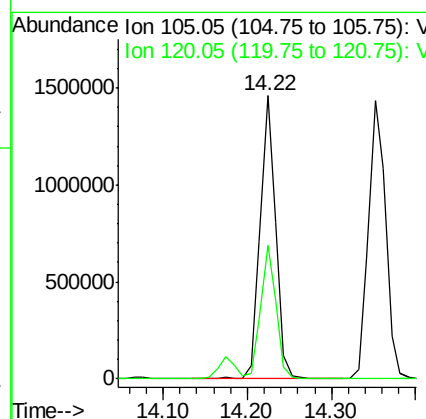
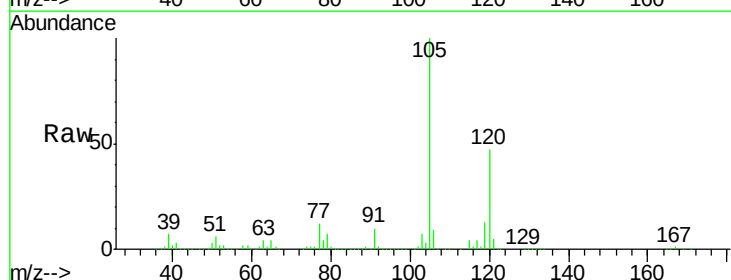
Manual Integrations
 APPROVED

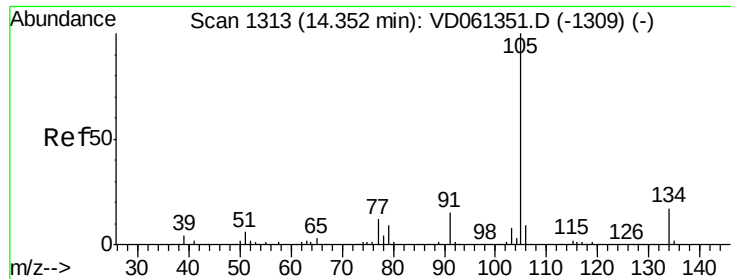
MMDadoda
 4/1/2019 3:01:39 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 74.295 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Tgt Ion:105 Resp: 1895483
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.8 68.4





#85

sec-Butylbenzene

Concen: 65.123 ug/l

RT: 14.35 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion:105 Resp: 2037502

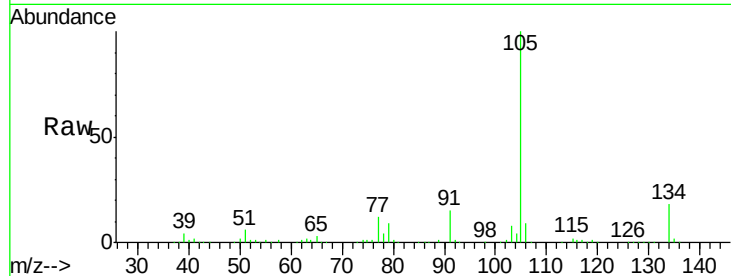
Ion Ratio Lower Upper

105 100

134 17.7 8.7 26.1

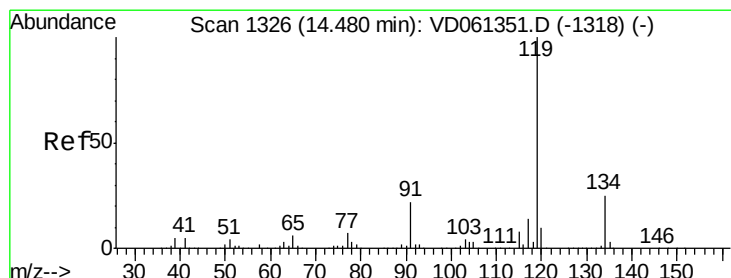
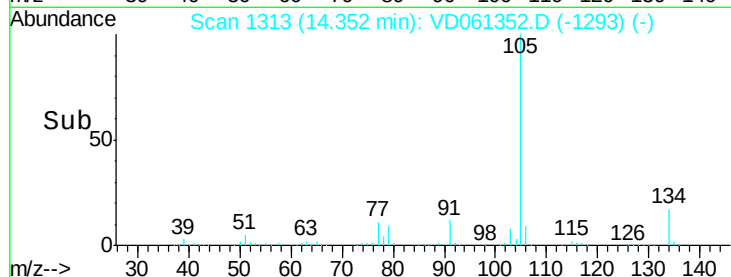
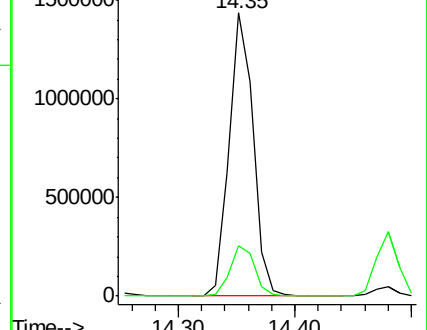
Manual Integrations
APPROVED

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4/1/2019 3:01:39 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 64.980 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

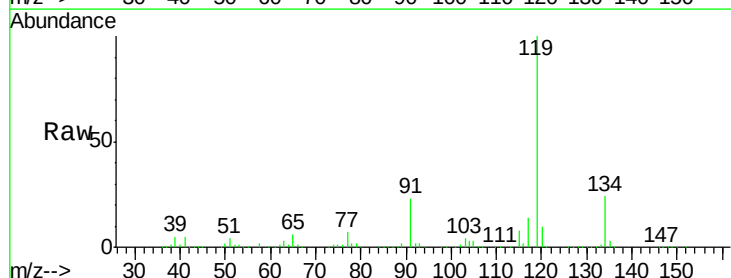
Tgt Ion:119 Resp: 1719114

Ion Ratio Lower Upper

119 100

134 24.5 12.3 36.8

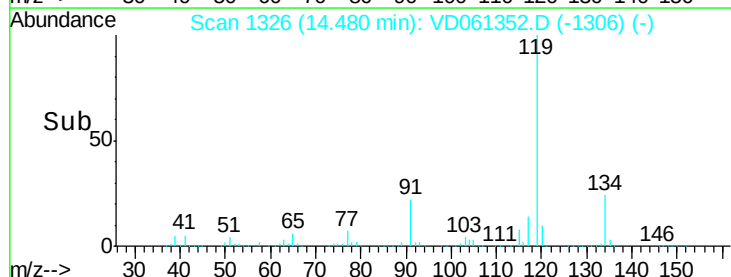
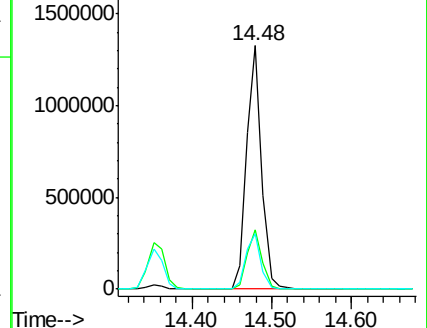
91 22.5 11.1 33.1

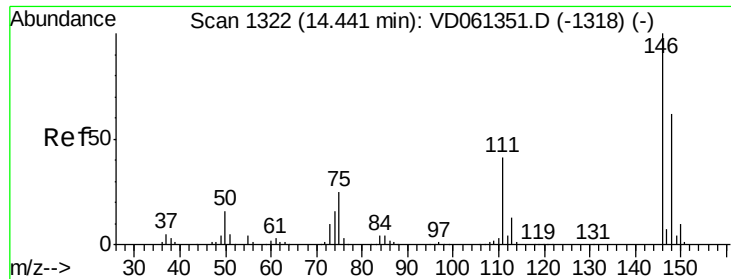


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





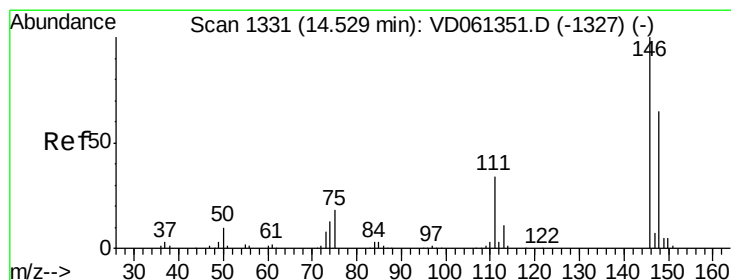
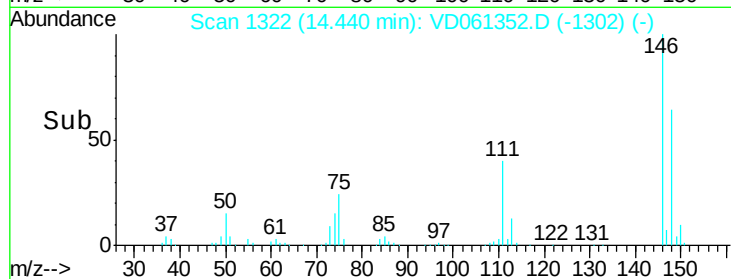
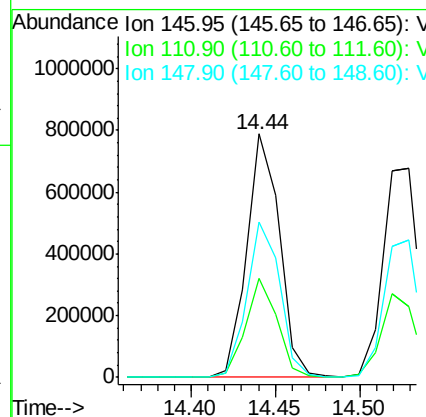
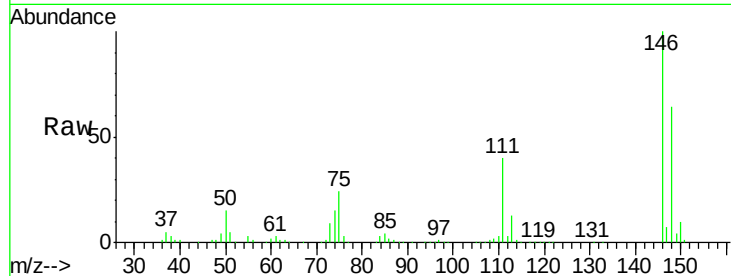
#87
 1,3-Dichlorobenzene
 Concen: 69.954 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:146 Resp: 1066648
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.6 61.9
 148 64.0 31.1 93.3

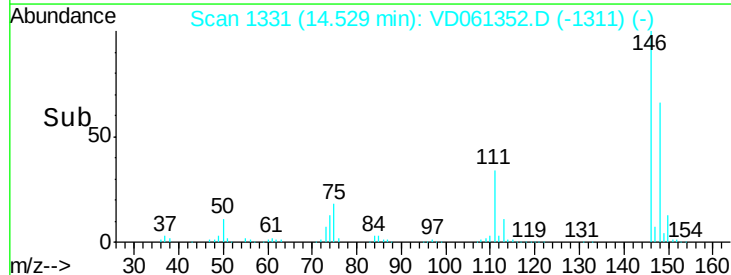
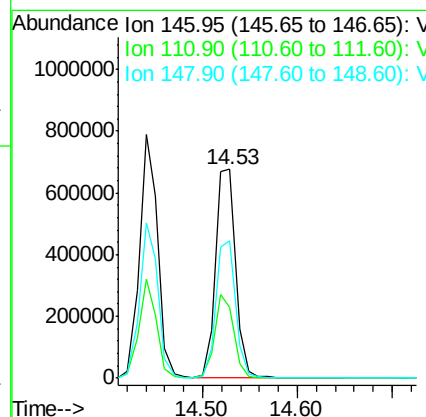
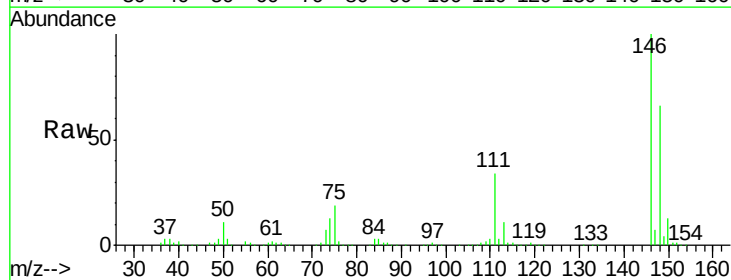
Manual Integrations
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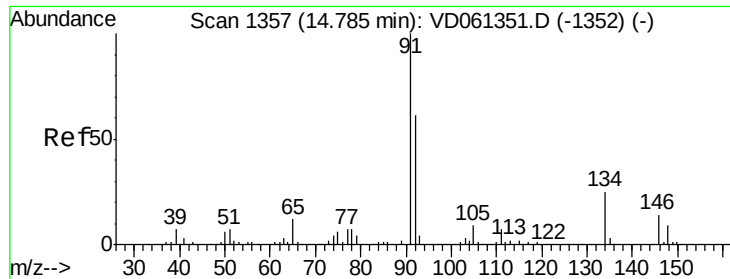
MMDadoda
 4/1/2019 3:01:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 67.843 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Tgt Ion:146 Resp: 1008802
 Ion Ratio Lower Upper
 146 100
 111 34.0 16.8 50.4
 148 65.7 32.6 98.0





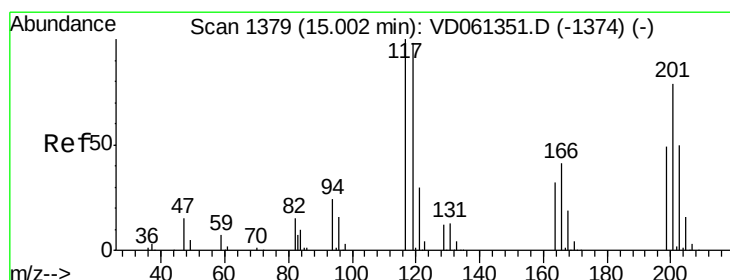
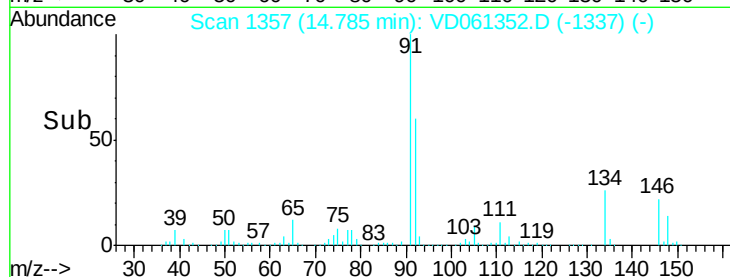
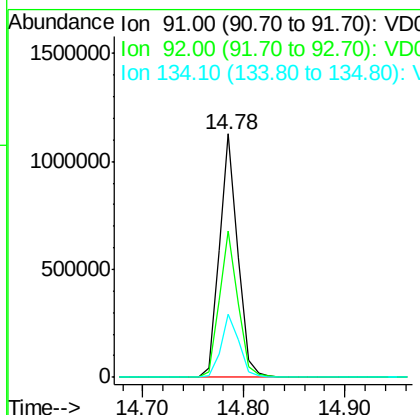
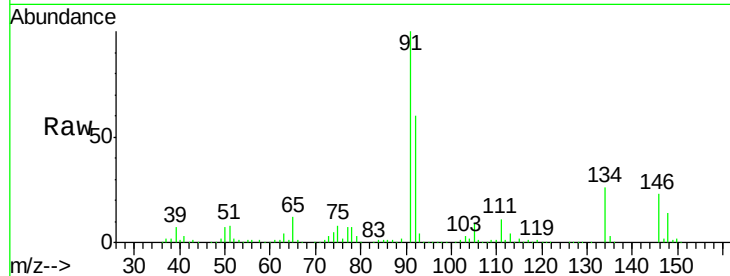
#89
n-Butylbenzene
Concen: 59.201 ug/l
RT: 14.78 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 91 Resp: 1437533
Ion Ratio Lower Upper
91 100
92 60.3 30.3 91.0
134 26.0 12.4 37.0

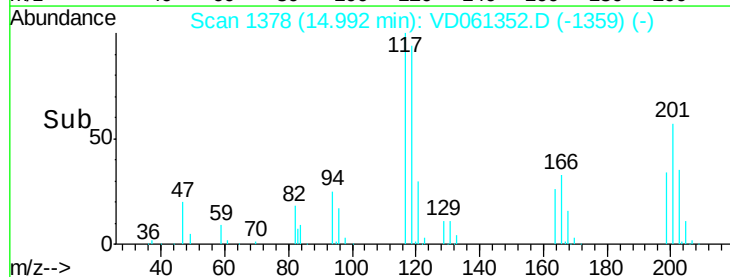
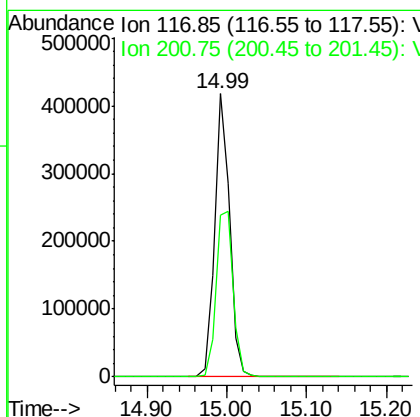
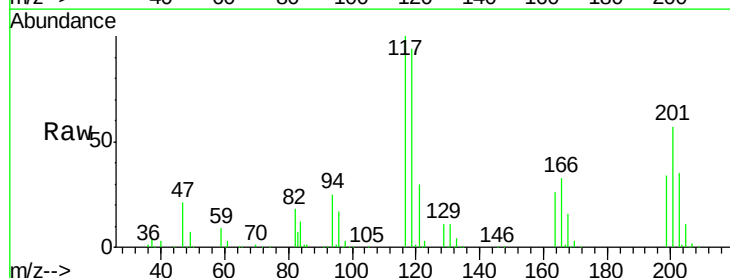
Manual Integrations
APPROVED

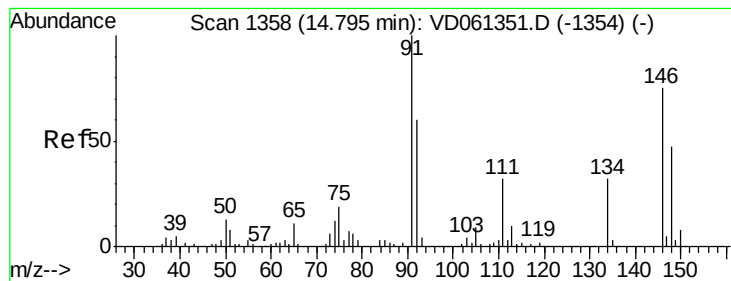
MMDadoda
4/1/2019 3:01:39 PM



#90
Hexachloroethane
Concen: 74.135 ug/l
RT: 14.99 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 117 Resp: 554091
Ion Ratio Lower Upper
117 100
201 57.3 39.6 119.0





#91

1,2-Dichlorobenzene

Concen: 60.270 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

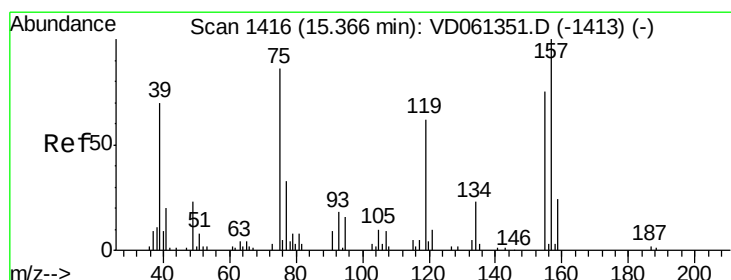
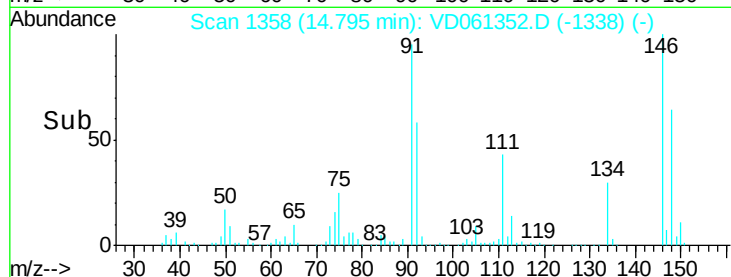
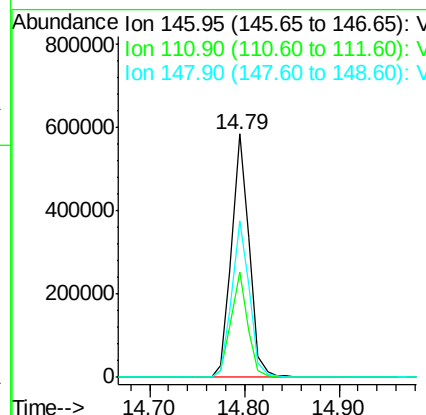
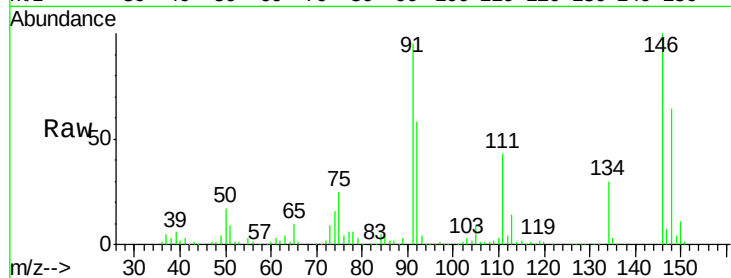
ClientSampleId :

VSTDIC075

Tgt Ion:	146	Resp:	753791
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.2	63.6
148	64.1	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 78.570 ug/l

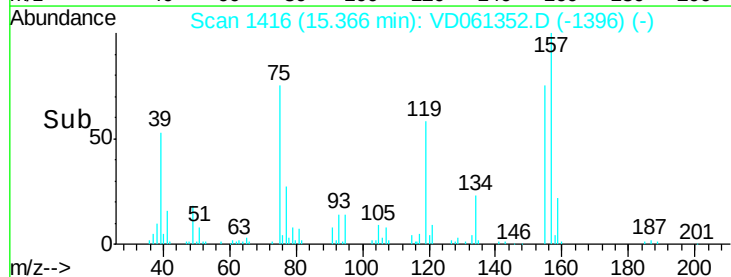
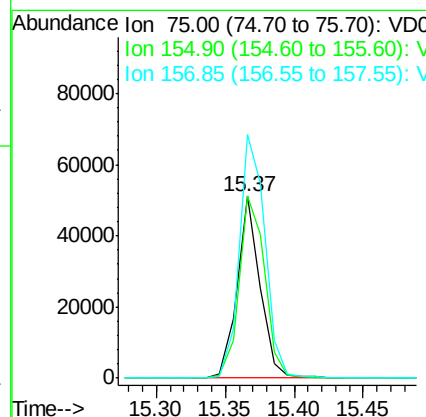
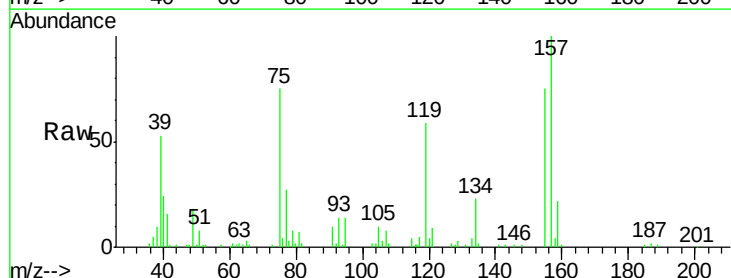
RT: 15.37 min Scan# 1416

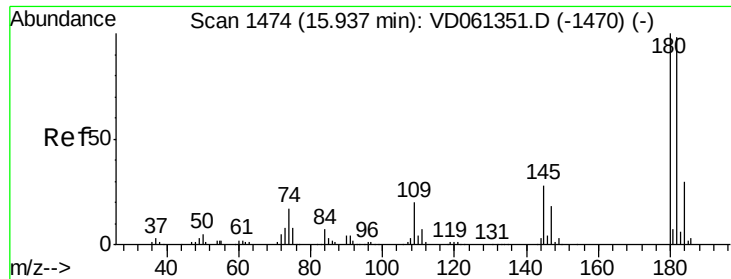
Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Tgt Ion:	75	Resp:	59042
Ion Ratio	Lower	Upper	
75	100		
155	100.2	43.6	130.9
157	133.8	58.5	175.3





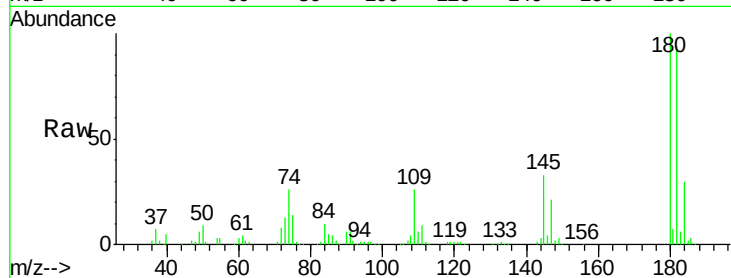
#93
 1,2,4-Trichlorobenzene
 Concen: 67.032 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

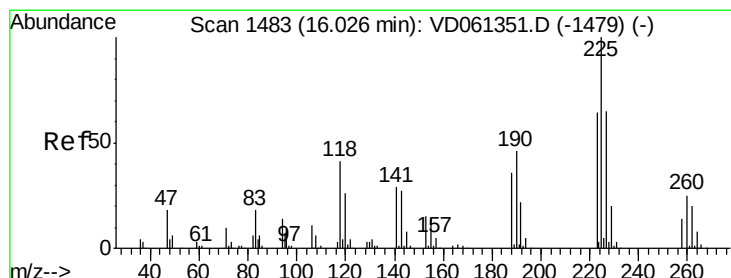
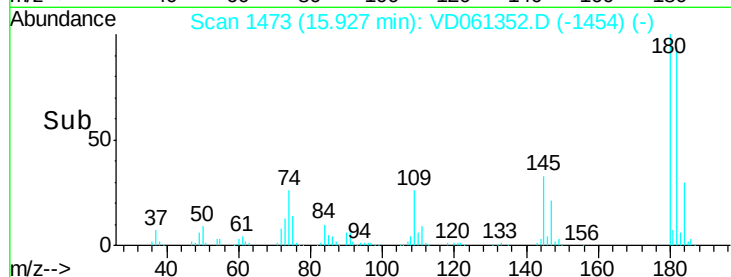
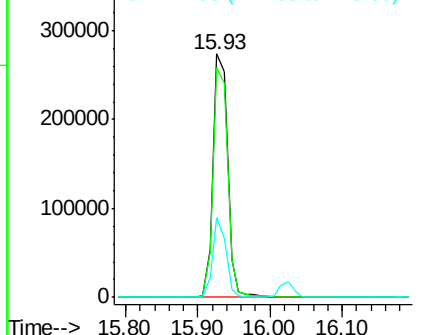
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	381903		
182	94.2	48.9	146.8	
145	32.8	14.1	42.3	

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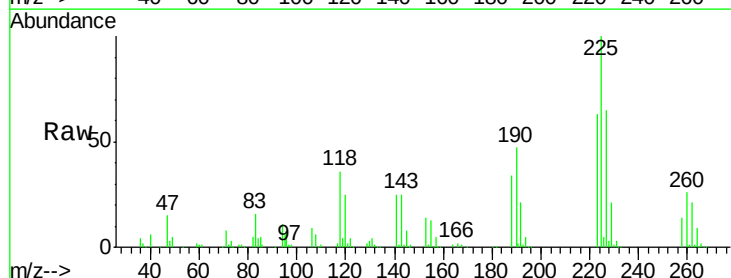


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

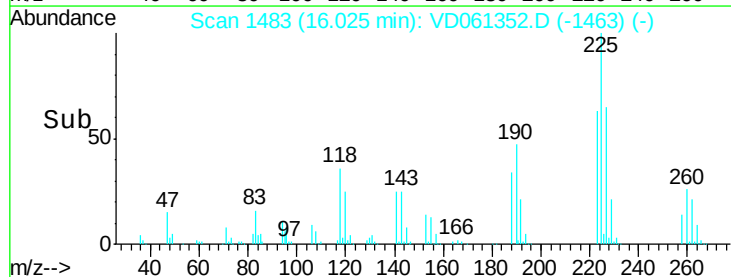
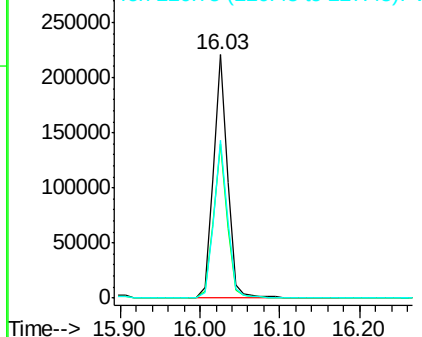


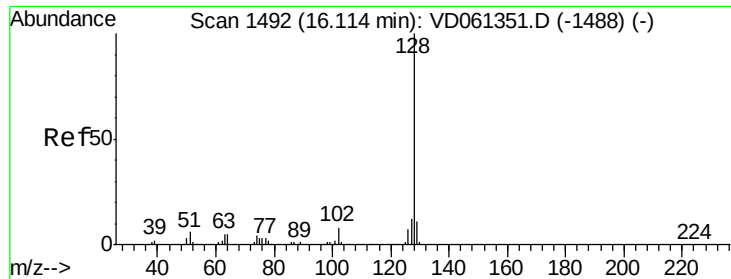
#94
 Hexachlorobutadiene
 Concen: 62.106 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	276498		
223	63.3	32.0	96.0	
227	64.6	32.4	97.2	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





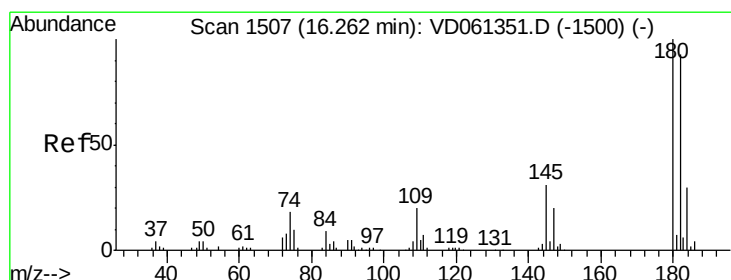
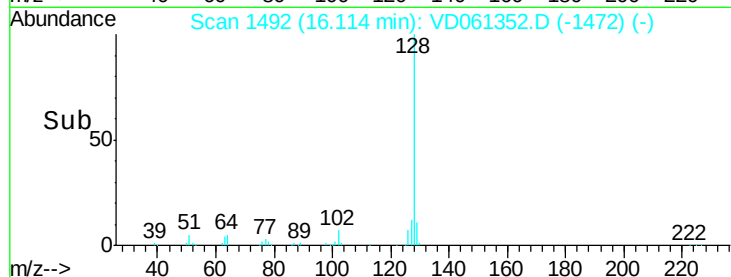
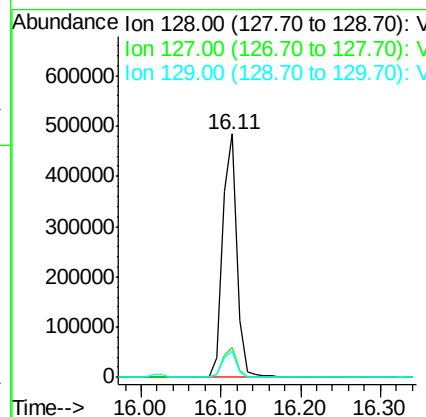
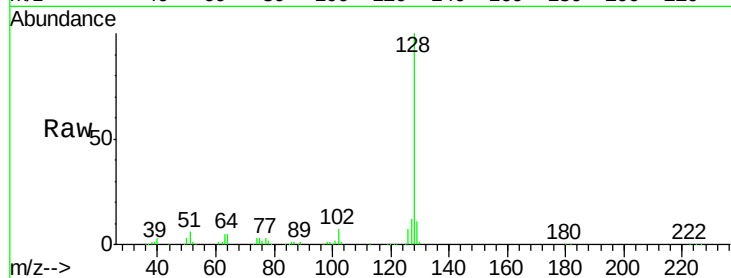
#95
Naphthalene
Concen: 70.976 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	616377		
127	12.3		9.9	14.9
129	10.9		8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 57.846 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	145026		
182	98.4		46.4	139.1
145	28.1		15.3	45.9

