

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD061989.D
 Acq On : 24 Apr 2019 10:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 3:42:00 PM

Quant Time: Apr 25 09:20:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	625300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1046971	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	805091	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	396561	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	245397	50.14	ug/l	0.01
Spiked Amount 50.000			Recovery =	100.28%		
35) Dibromofluoromethane	6.94	113	362519	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.14%		
50) Toluene-d8	10.42	98	860707	49.96	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.92%		
62) 4-Bromofluorobenzene	13.56	95	345919	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.12%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	267130	47.843	ug/l	96
3) Chloromethane	1.75	50	212608	44.802	ug/l	97
4) Vinyl Chloride	1.86	62	218978	50.911	ug/l	98
5) Bromomethane	2.15	94	59864	53.757	ug/l	99
6) Chloroethane	2.27	64	74659	48.019	ug/l	95
7) Trichlorofluoromethane	2.54	101	338245	52.011	ug/l	96
8) Diethyl Ether	2.88	74	87239	50.051	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.17	101	287286	47.954	ug/l	99
10) Methyl Iodide	3.32	142	426151	47.050	ug/l	97
11) Tert butyl alcohol	4.06	59	66865	241.817	ug/l	99
12) 1,1-Dichloroethene	3.14	96	236759	46.452	ug/l	97
13) Acrolein	3.04	56	78696	274.300	ug/l	91
14) Allyl chloride	3.63	41	341939	49.131	ug/l	98
15) Acrylonitrile	4.20	53	210430	245.764	ug/l	97
16) Acetone	3.22	43	309023	264.455	ug/l	99
17) Carbon Disulfide	3.39	76	727515	49.395	ug/l	99
18) Methyl Acetate	3.65	43	100333	47.224	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	503069	49.746	ug/l	97
20) Methylene Chloride	3.82	84	267165	46.757	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	286911	49.070	ug/l	99
22) Diisopropyl ether	5.13	45	849554	52.283	ug/l	99
23) Vinyl Acetate	5.07	43	2180533	257.685	ug/l	98
24) 1,1-Dichloroethane	5.00	63	488846	49.775	ug/l	100
25) 2-Butanone	6.08	43	363732	256.736	ug/l	95
26) 2,2-Dichloropropane	6.04	77	436156	50.906	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	324462	48.779	ug/l	99
28) Bromochloromethane	6.45	49	158380	42.147	ug/l	98
29) Tetrahydrofuran	6.47	42	166091	237.928	ug/l	99
30) Chloroform	6.68	83	562260	50.404	ug/l	99
31) Cyclohexane	6.98	56	388122	53.242	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	495775	51.080	ug/l	99
36) 1,1-Dichloropropene	7.16	75	394678	48.385	ug/l	98
37) Ethyl Acetate	6.19	43	178516	51.357	ug/l	95
38) Carbon Tetrachloride	7.12	117	491599m	47.560	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	411280	51.104	ug/l	96
40) Benzene	7.47	78	974279	48.246	ug/l	97
41) Methacrylonitrile	6.46	41	194652	47.994	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	349155	50.922	ug/l	100
43) Isopropyl Acetate	9.25	43	242109	47.670	ug/l #	95
44) Trichloroethene	8.55	130	393510	50.263	ug/l	97
45) 1,2-Dichloropropane	8.95	63	247327	48.277	ug/l	100
46) Dibromomethane	9.07	93	179397	48.666	ug/l	97
47) Bromodichloromethane	9.39	83	419593	48.173	ug/l	99
48) Methyl methacrylate	9.13	41	134560	46.435	ug/l	96
49) 1,4-Dioxane	9.08	88	32170	1029.709	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	750619	241.663	ug/l	98
52) Toluene	10.52	92	605965	47.062	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	352771	48.251	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	409129	46.010	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	205084	47.443	ug/l	97
56) Ethyl methacrylate	11.05	69	221236	46.210	ug/l	97
57) 1,3-Dichloropropane	11.41	76	319868	47.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	518804	233.076	ug/l	97
59) 2-Hexanone	11.54	43	593718	254.816	ug/l	96
60) Dibromochloromethane	11.69	129	366513	51.242	ug/l	99
61) 1,2-Dibromoethane	11.82	107	236789	46.177	ug/l	99
64) Tetrachloroethene	11.27	164	272366	47.424	ug/l	99
65) Chlorobenzene	12.41	112	737084	48.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	323583	50.143	ug/l	94
67) Ethyl Benzene	12.54	91	1226086	49.377	ug/l	99
68) m/p-Xylenes	12.68	106	893786	99.591	ug/l	100
69) o-Xylene	13.06	106	372345	45.344	ug/l	96
70) Styrene	13.08	104	652771	46.039	ug/l	99
71) Bromoform	13.25	173	187346	50.923	ug/l	99
73) Isopropylbenzene	13.41	105	1159371	43.827	ug/l	98
74) N-amyl acetate	13.28	43	284972	41.830	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	228782	44.133	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	250688	49.782	ug/l	97
77) Bromobenzene	13.68	156	337303	44.449	ug/l	97
78) n-propylbenzene	13.79	91	1336578	44.136	ug/l	96
79) 2-Chlorotoluene	13.85	91	873839	47.639	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1022286	48.466	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	73507	48.169	ug/l	97
82) 4-Chlorotoluene	13.95	91	970590	48.048	ug/l	93
83) tert-Butylbenzene	14.20	119	1134276	46.420	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	939732	46.659	ug/l	98
85) sec-Butylbenzene	14.38	105	1164830	44.119	ug/l	97
86) p-Isopropyltoluene	14.50	119	1039871	44.008	ug/l	96
87) 1,3-Dichlorobenzene	14.47	146	584362	43.973	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	592164	47.648	ug/l	97
89) n-Butylbenzene	14.80	91	946013	44.594	ug/l	95
90) Hexachloroethane	15.02	117	315669	49.405	ug/l	84
91) 1,2-Dichlorobenzene	14.82	146	475034	43.335	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	35169	46.134	ug/l	69

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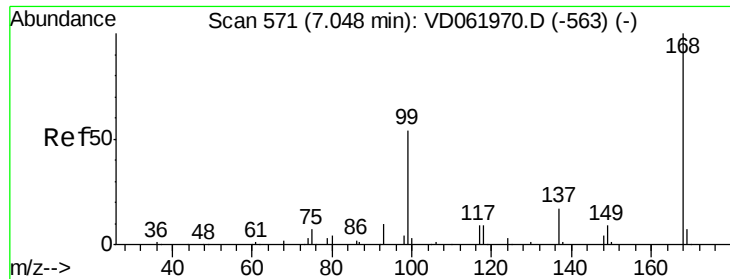
Manual Integrations
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4/25/2019 3:42:00 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	281964	47.672	ug/l	97
94) Hexachlorobutadiene	16.04	225	215039	49.129	ug/l	98
95) Naphthalene	16.13	128	458594	48.021	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	167190	49.820	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 625300

Ion Ratio Lower Upper

168 100

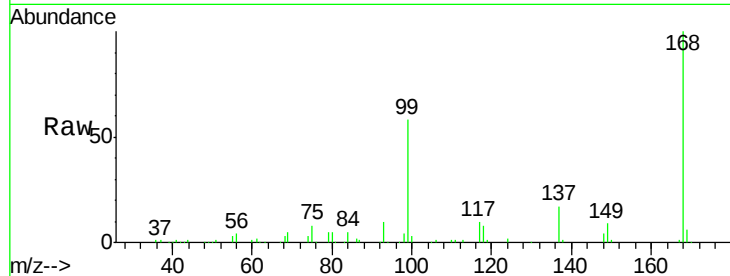
99 57.8 46.5 69.7

Manual Integrations

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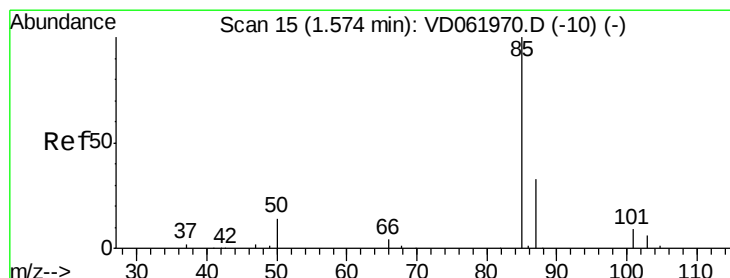
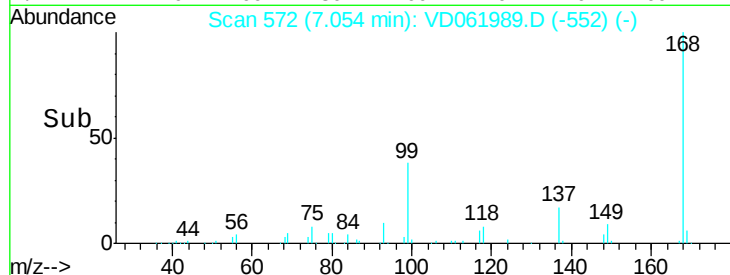
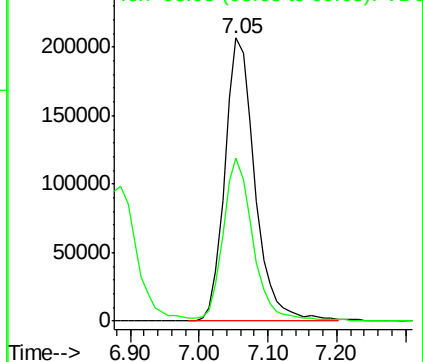
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.843 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061989.D

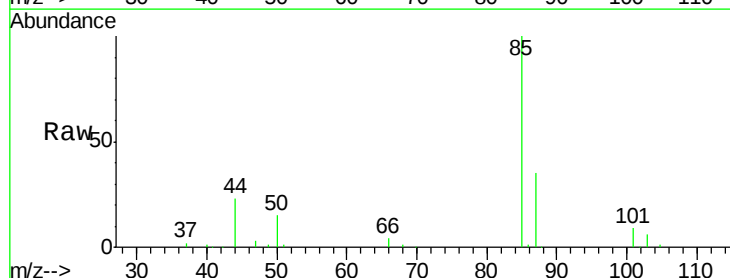
Acq: 24 Apr 2019 10:45

Tgt Ion: 85 Resp: 267130

Ion Ratio Lower Upper

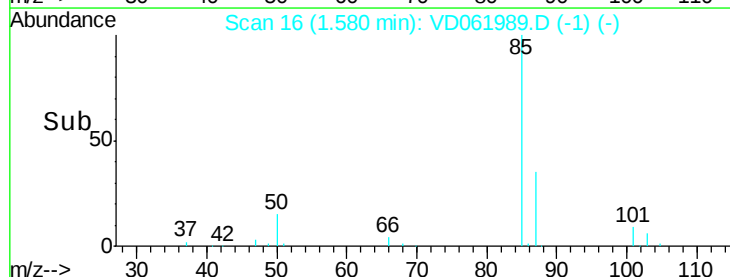
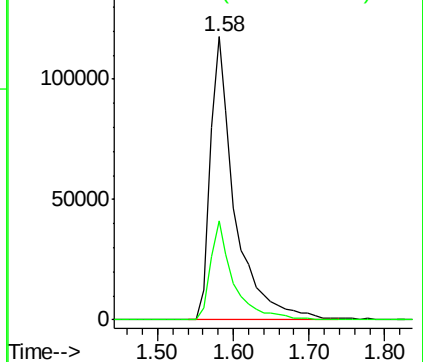
85 100

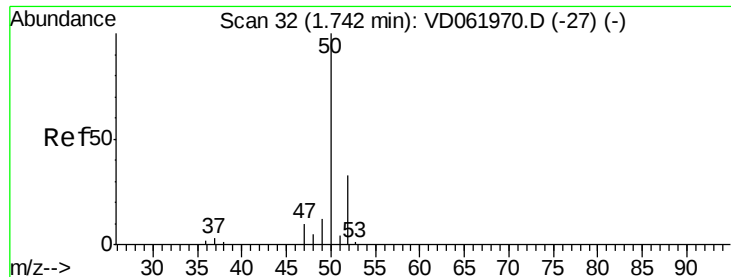
87 34.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.802 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 212608

Ion Ratio Lower Upper

50 100

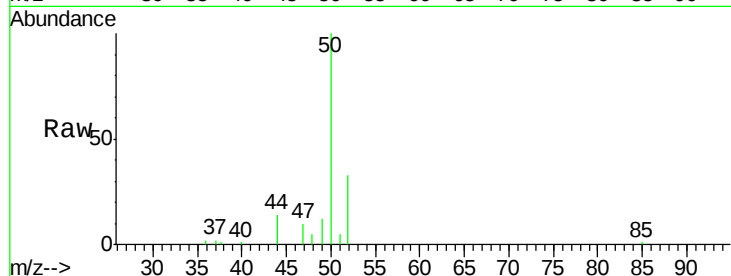
52 33.0 25.2 37.8

Manual Integrations

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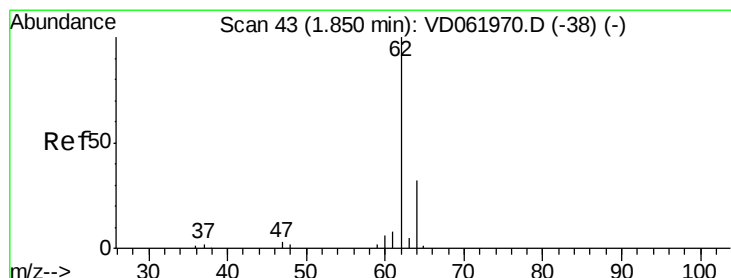
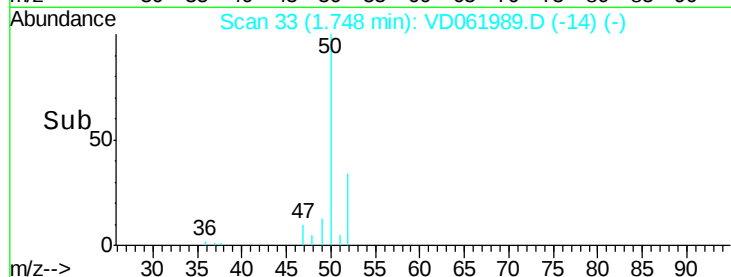
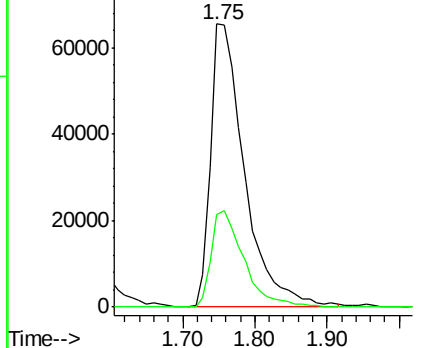
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.911 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061989.D

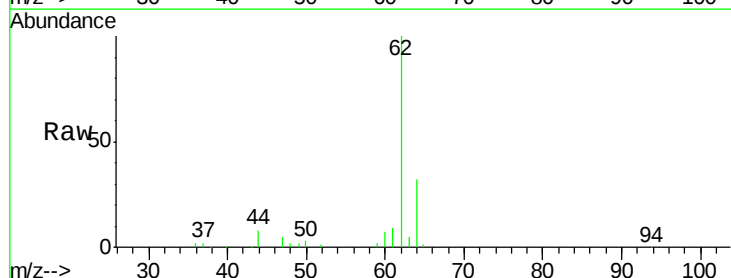
Acq: 24 Apr 2019 10:45

Tgt Ion: 62 Resp: 218978

Ion Ratio Lower Upper

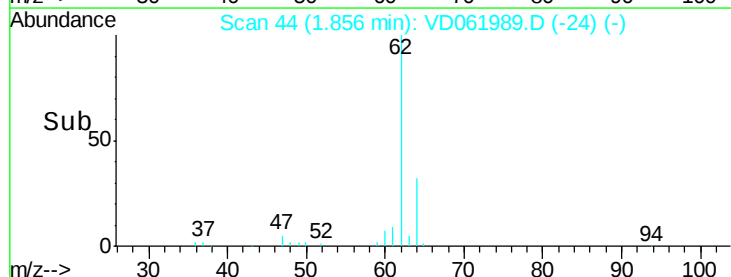
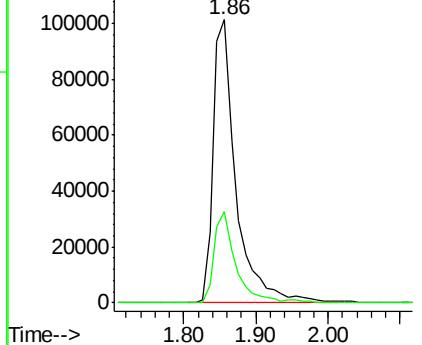
62 100

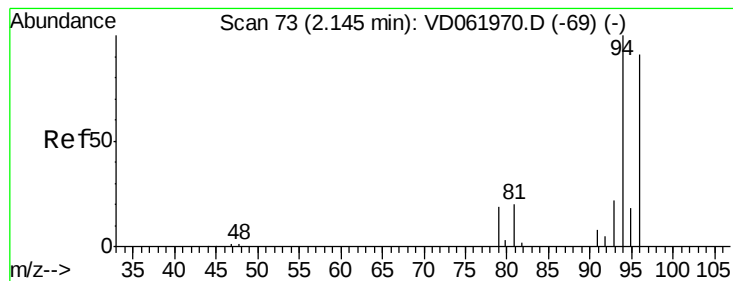
64 32.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.757 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

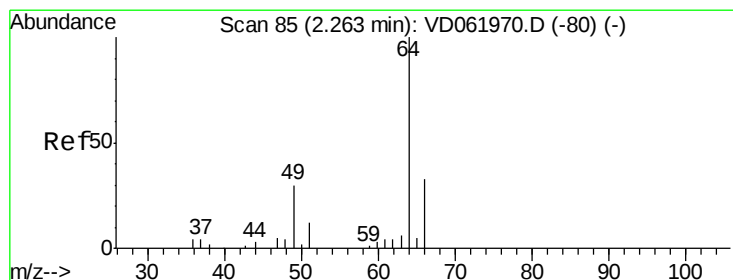
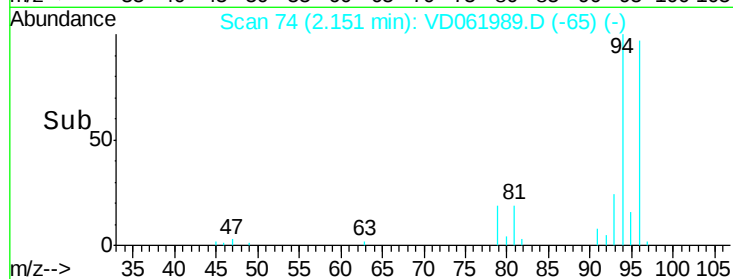
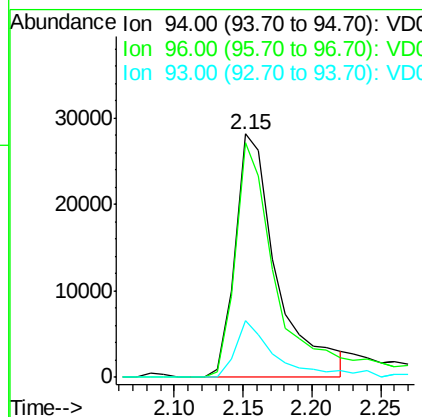
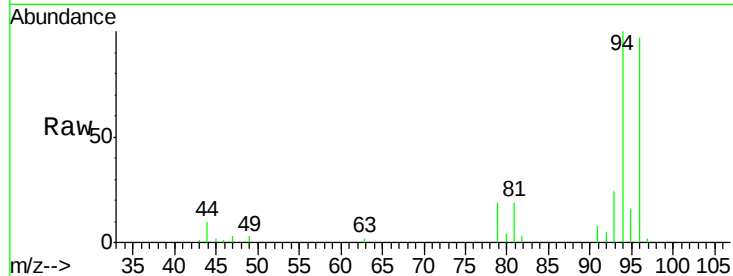
ClientSampleId :

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Tot Ion:	94	Resp:	59864
Ion	Ratio	Lower	Upper
94	100		
96	96.5	76.6	115.0
93	23.5	18.5	27.7

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#6

Chloroethane

Concen: 48.019 ug/l

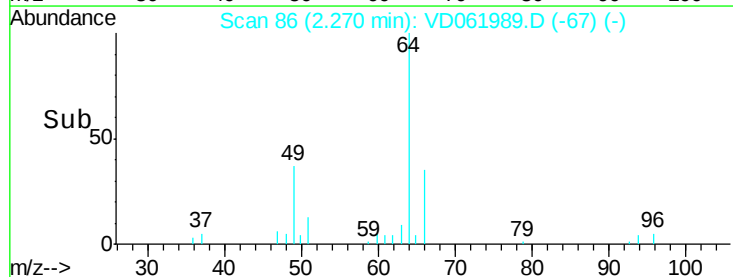
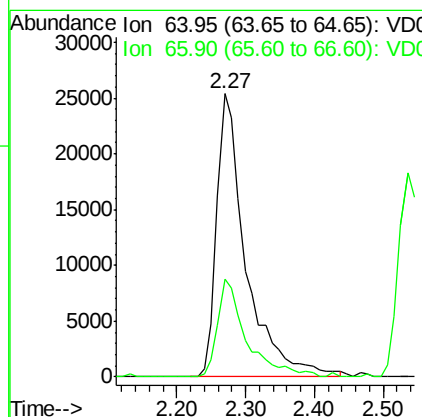
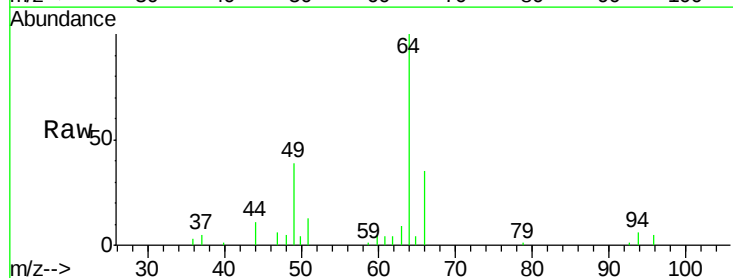
RT: 2.27 min Scan# 86

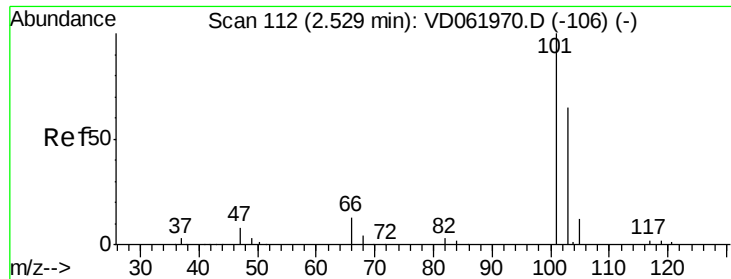
Delta R.T. -0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tgt Ion:	64	Resp:	74659
Ion	Ratio	Lower	Upper
64	100		
66	34.6	25.6	38.4





#7

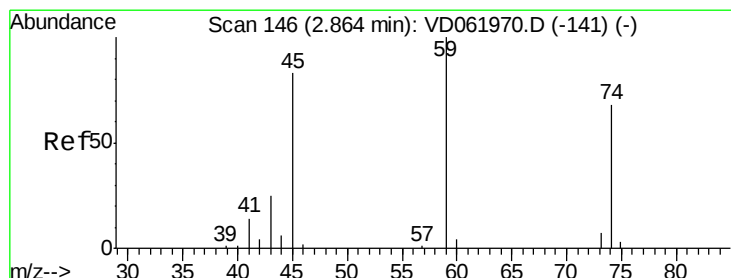
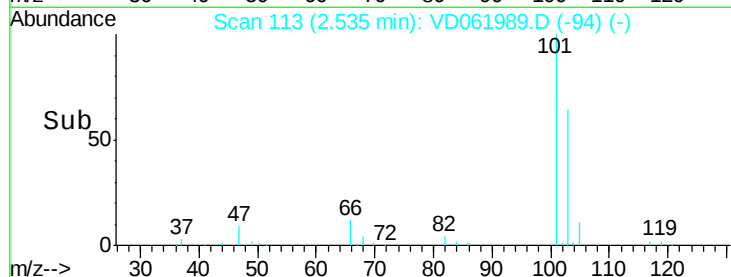
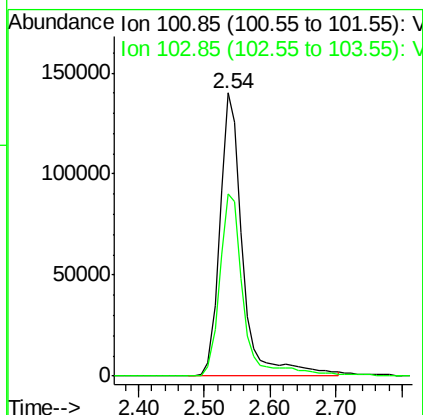
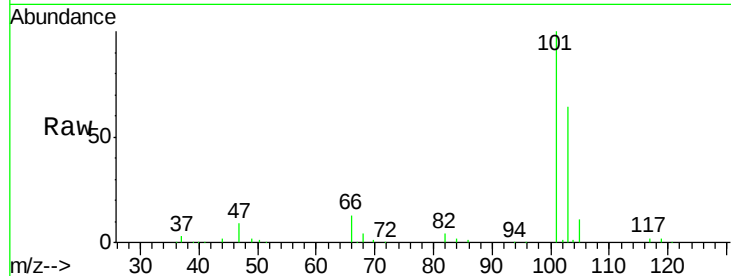
Trichlorofluoromethane
 Concen: 52.011 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		338245		
103	64.2	53.6	80.4		

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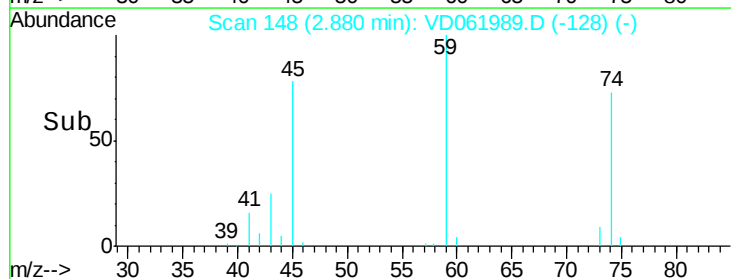
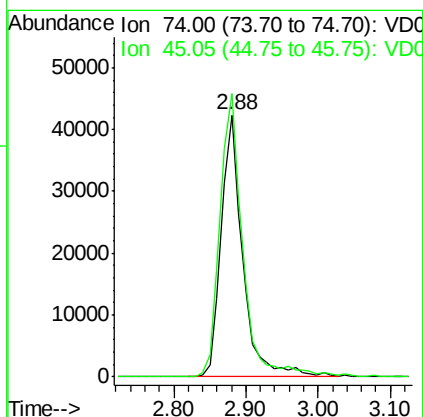
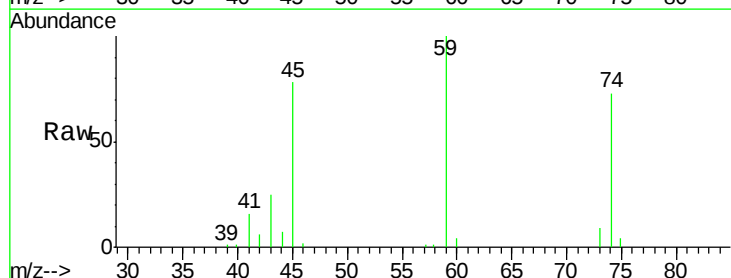
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#8

Diethyl Ether
 Concen: 50.051 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		87239		
45	108.0	56.9	170.7		





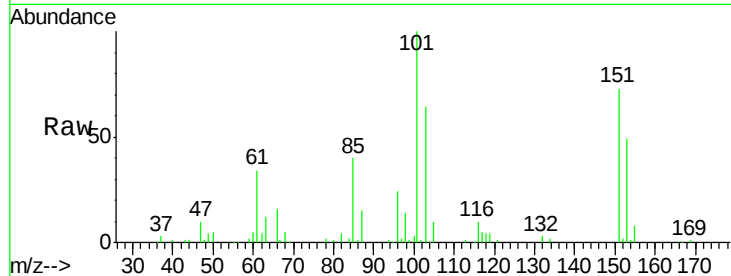
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.954 ug/l
 RT: 3.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VD061989.D
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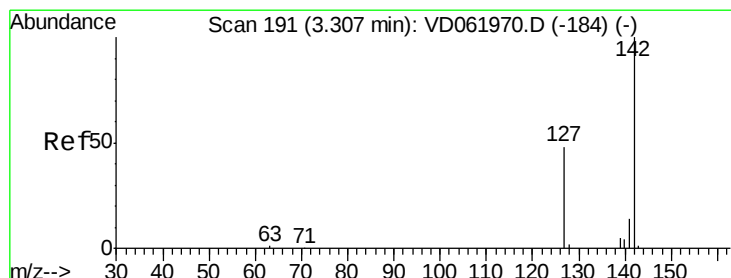
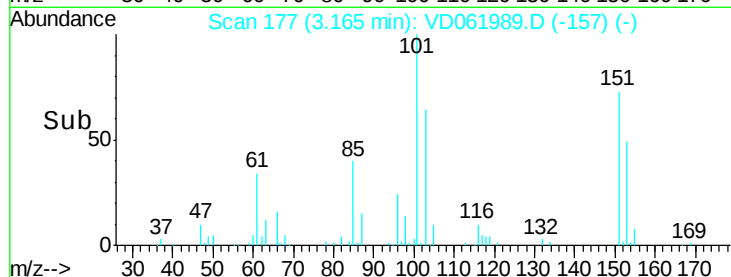
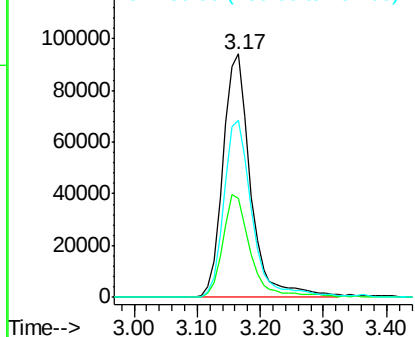
Tot Ion	Ratio	Resp	Lower	Upper
101	100	287286		
85	40.4	32.4	48.6	
151	72.9	59.4	89.0	

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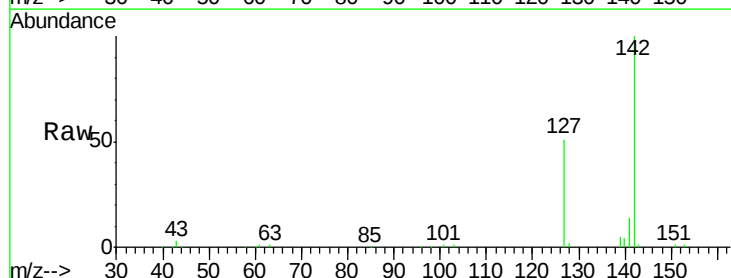


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

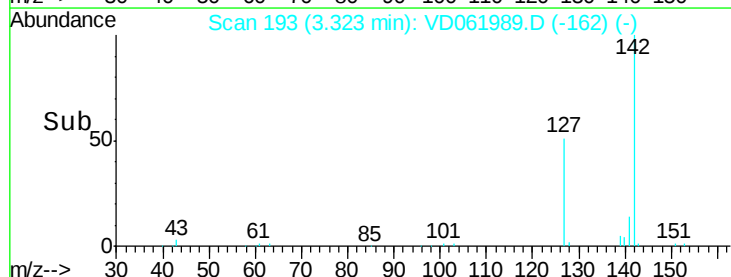
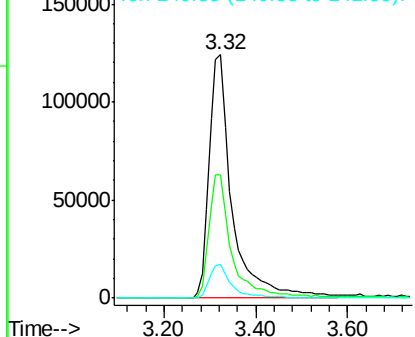


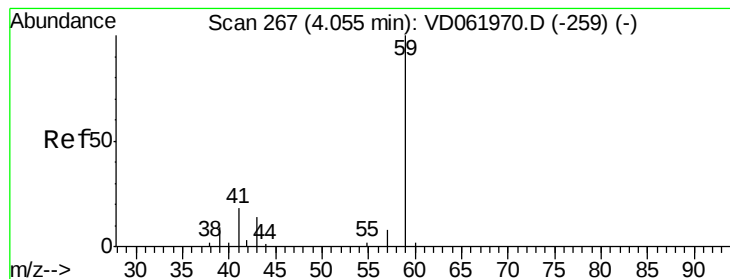
#10
 Methyl Iodide
 Concen: 47.050 ug/l
 RT: 3.32 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	426151		
127	50.7	38.8	58.2	
141	13.8	11.4	17.0	



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





#11

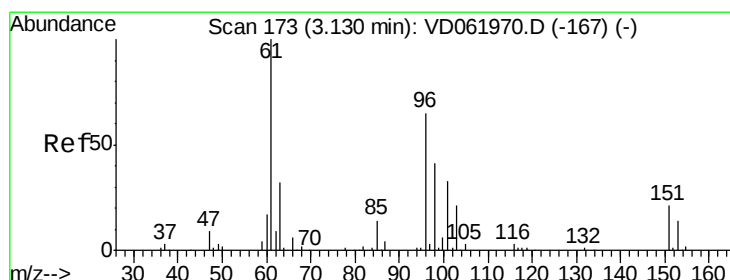
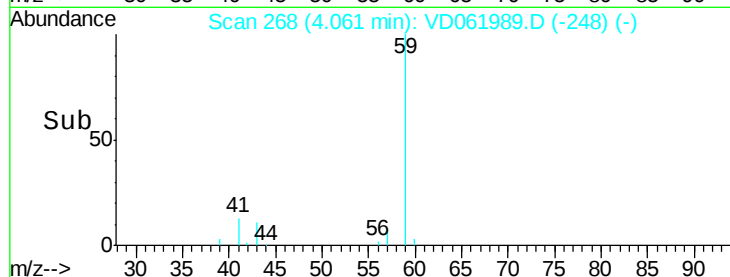
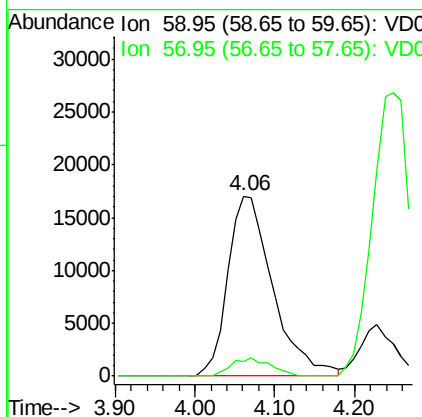
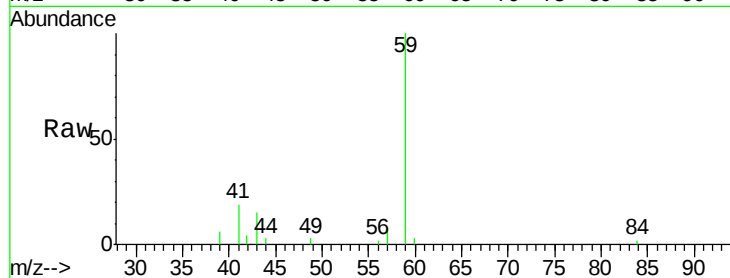
Tert butyl alcohol
Concen: 241.817 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	8.4	Resp:	66865	Lower	6.9	Upper	10.3
Ion	59	57	Ratio	100	8.4	Resp:	66865	Lower	6.9	Upper	10.3

Manual Integrations
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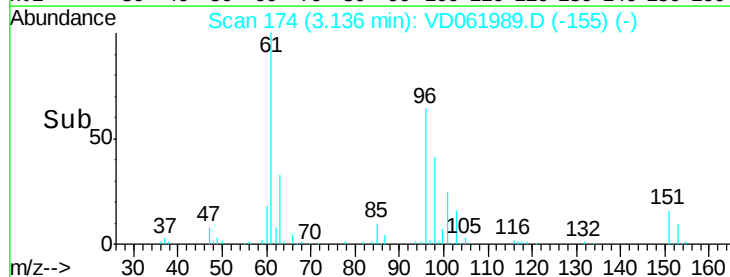
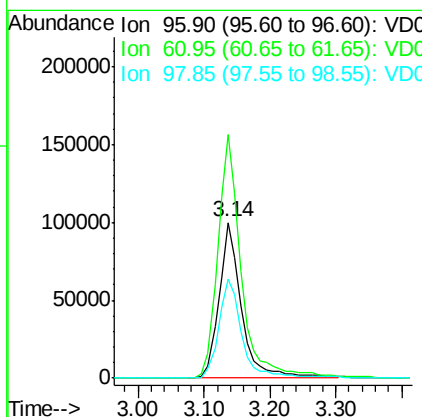
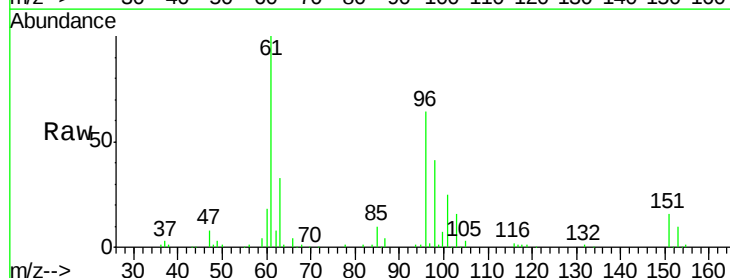
MMDadoda
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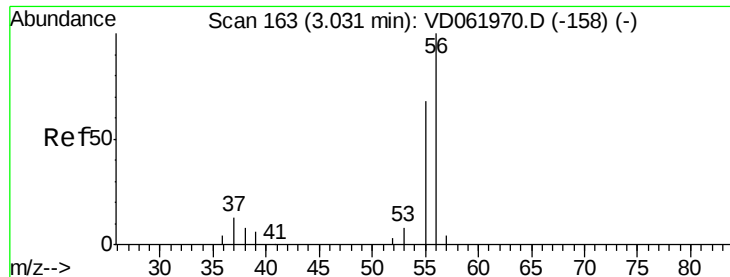


#12

1,1-Dichloroethene
Concen: 46.452 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	96	61	98	Ratio	100	156.7	63.5	Resp:	236759	Lower	129.8	51.2	Upper	194.8	76.8
Ion	96	61	98	Ratio	100	156.7	63.5	Resp:	236759	Lower	129.8	51.2	Upper	194.8	76.8





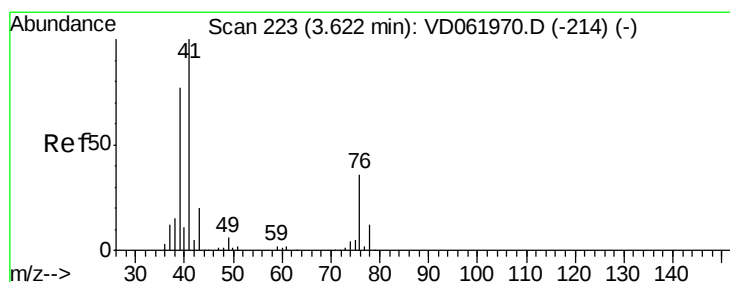
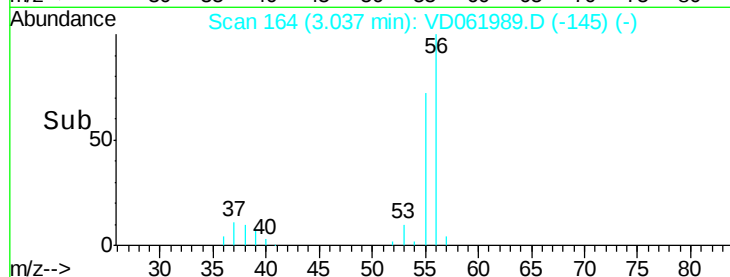
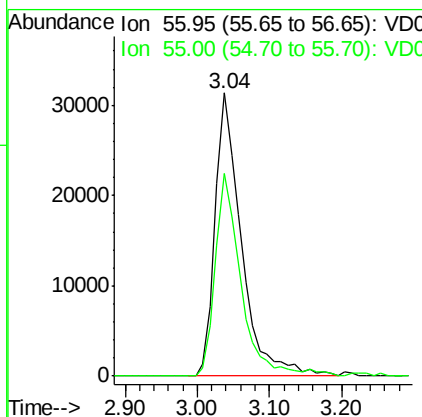
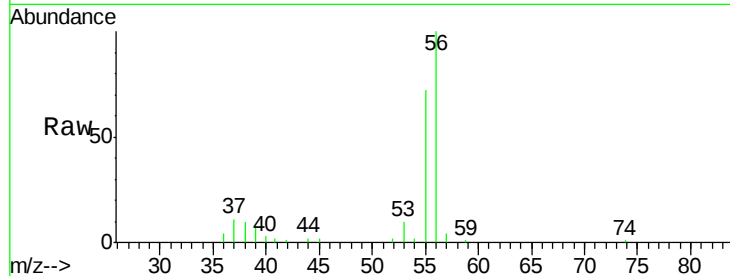
#13
Acrolein
Concen: 274.300 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 78696
Ion Ratio Lower Upper
56 100
55 71.7 51.4 77.2

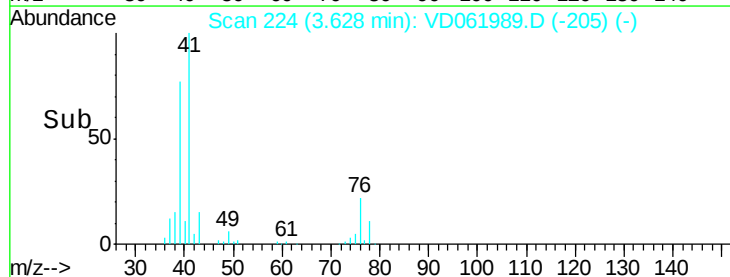
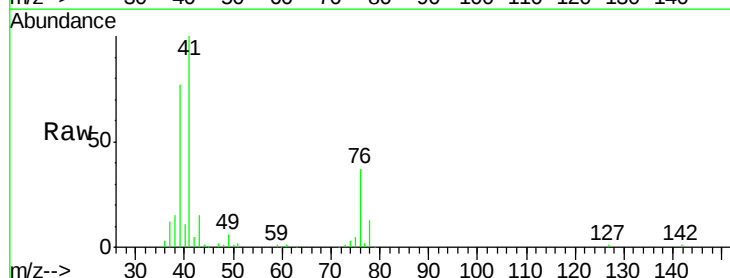
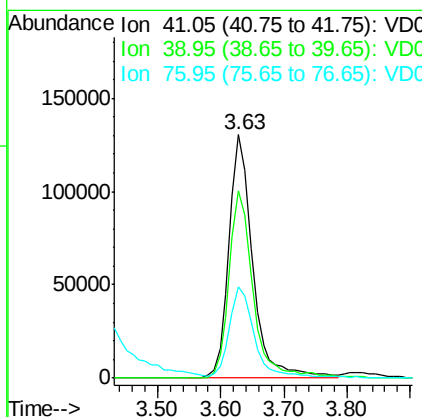
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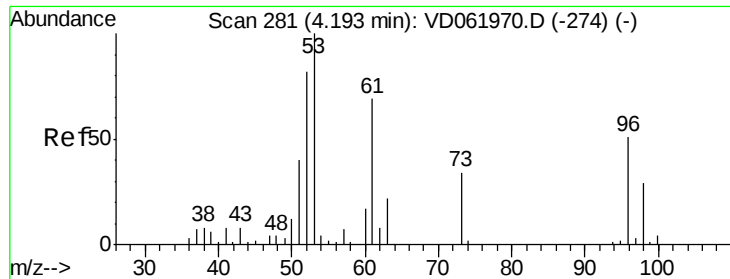
MMDadoda
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#14
Allyl chloride
Concen: 49.131 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 41 Resp: 341939
Ion Ratio Lower Upper
41 100
39 76.9 60.5 90.7
76 37.4 31.8 47.8





#15

Acrylonitrile

Concen: 245.764 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

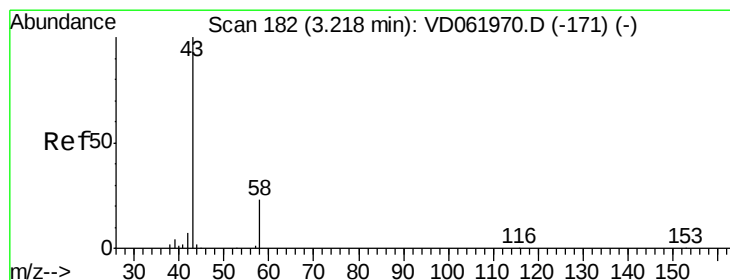
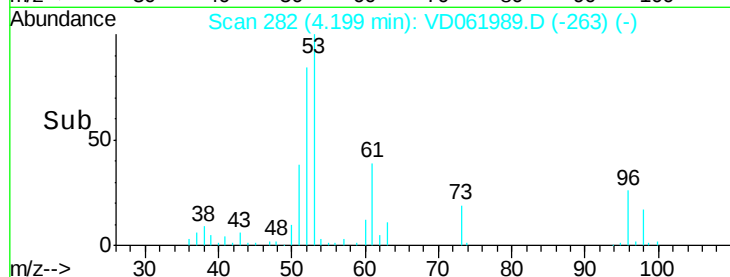
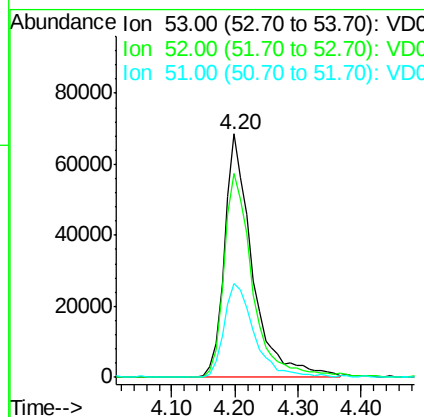
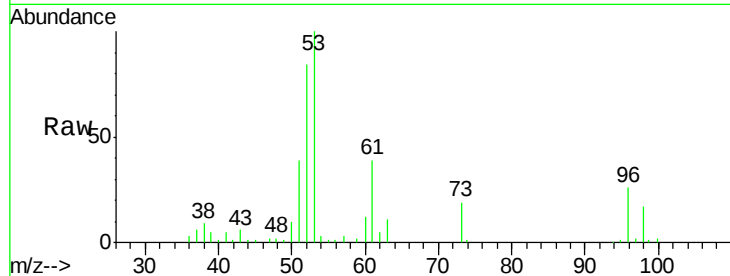
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	210430
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.0	97.4
51	38.6	32.6	48.8

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#16

Acetone

Concen: 264.455 ug/l

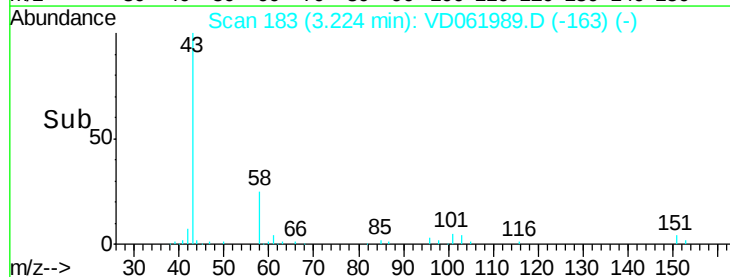
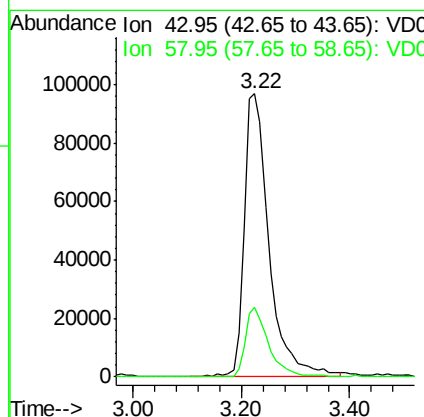
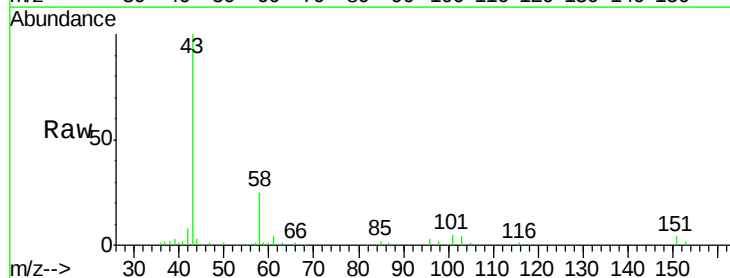
RT: 3.22 min Scan# 183

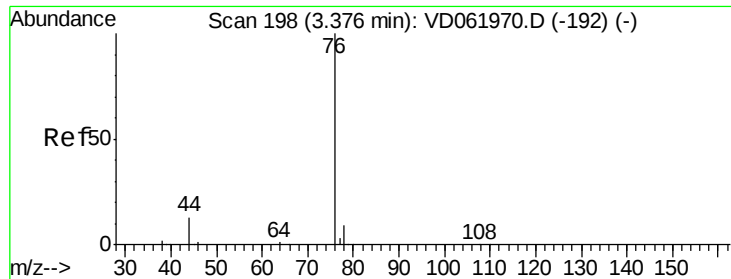
Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tgt Ion:	43	Resp:	309023
Ion	Ratio	Lower	Upper
43	100		
58	24.5	19.9	29.9





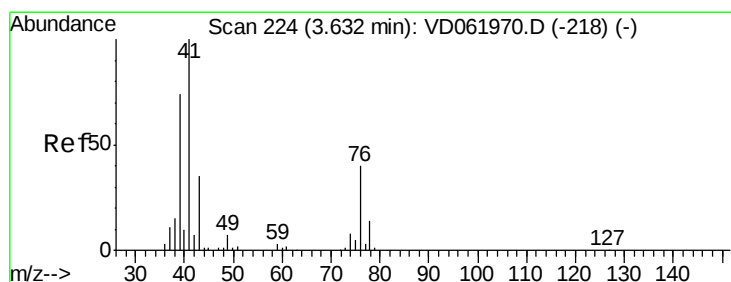
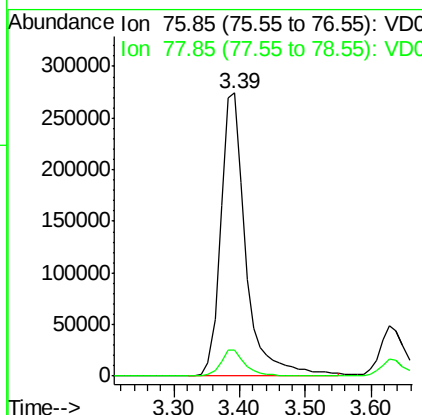
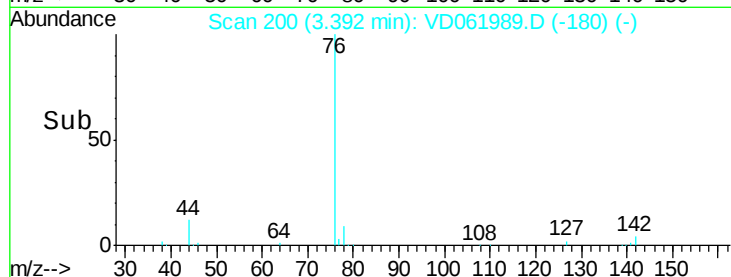
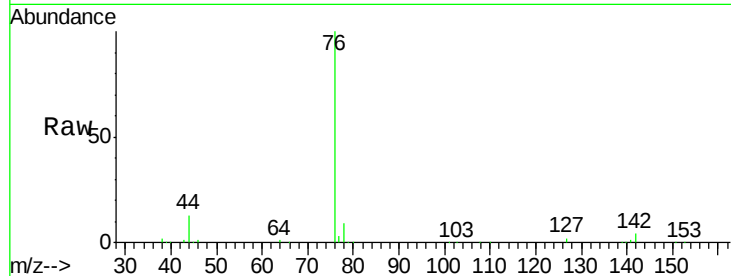
#17
Carbon Disulfide
Concen: 49.395 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 727515
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

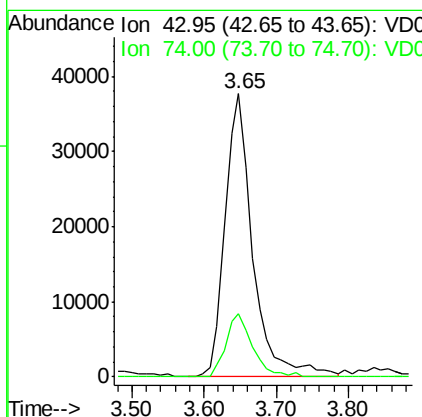
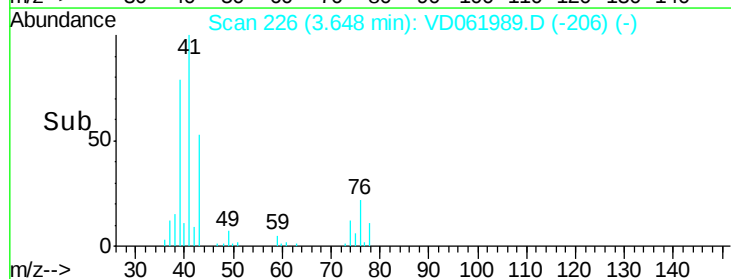
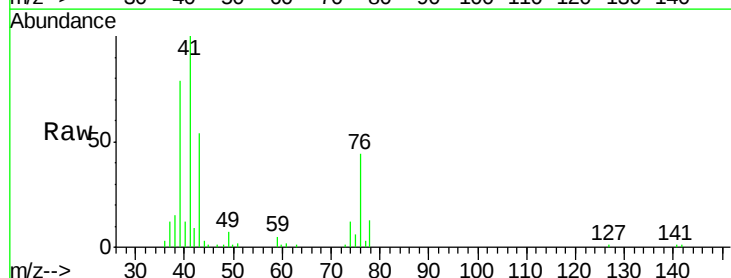
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#18
Methyl Acetate
Concen: 47.224 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 43 Resp: 100333
Ion Ratio Lower Upper
43 100
74 22.2 18.0 27.0





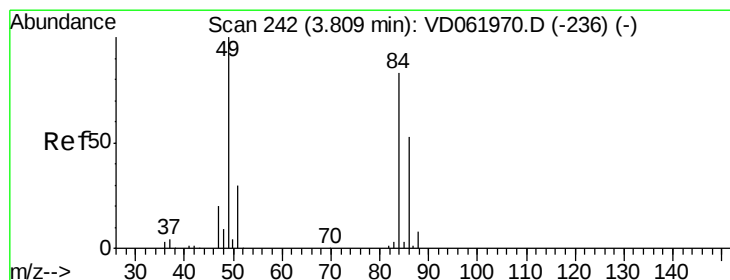
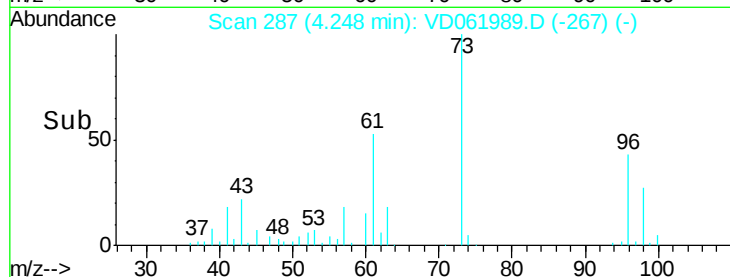
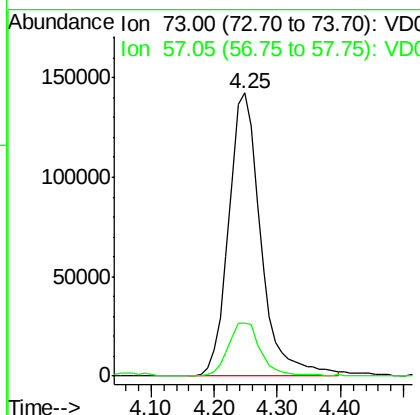
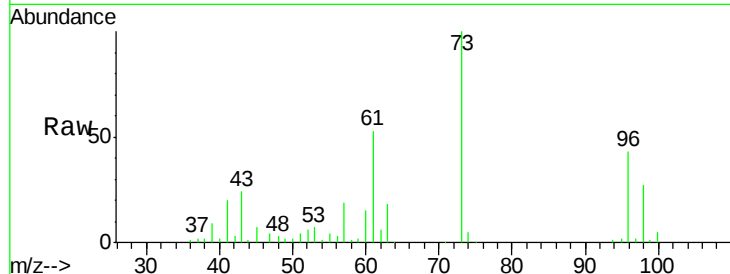
#19
Methyl tert-butyl Ether
Concen: 49.746 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 503069
Ion Ratio Lower Upper
73 100
57 18.8 16.3 24.5

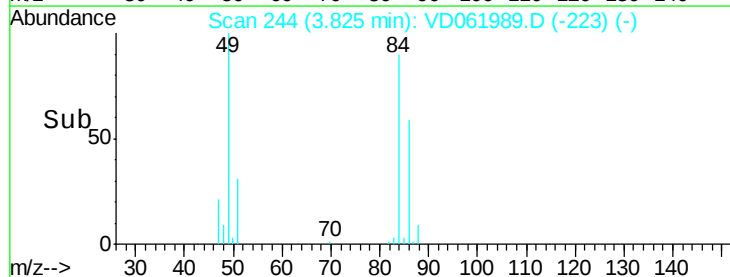
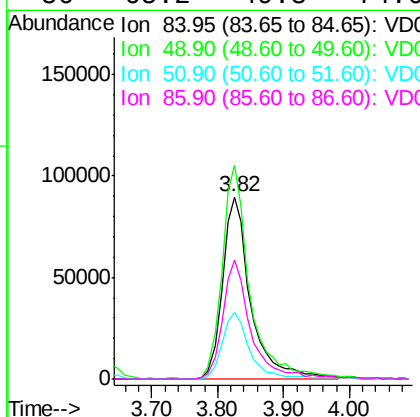
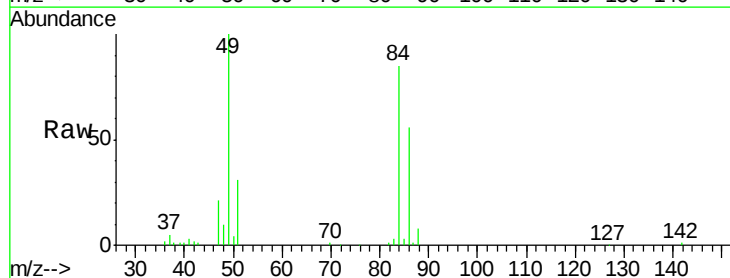
Manual Integrations
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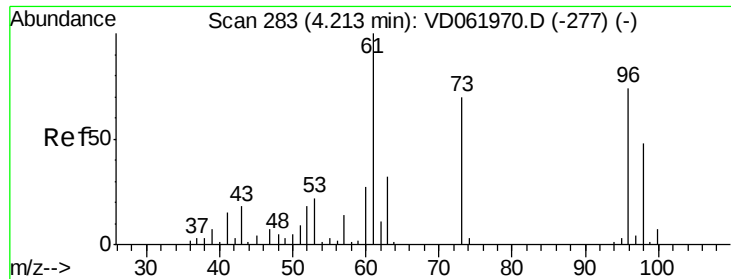
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#20
Methylene Chloride
Concen: 46.757 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 84 Resp: 267165
Ion Ratio Lower Upper
84 100
49 117.3 94.0 141.0
51 36.3 29.0 43.4
86 65.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.070 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 286911

Ion Ratio Lower Upper

96 100

61 131.8 104.4 156.6

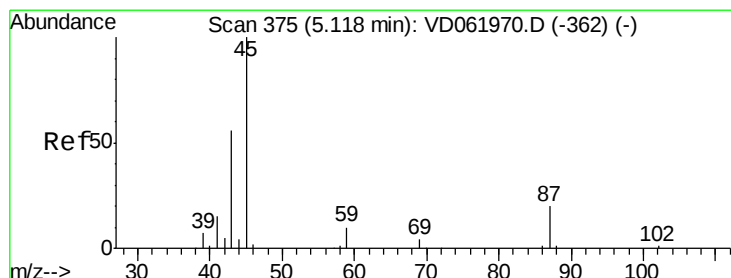
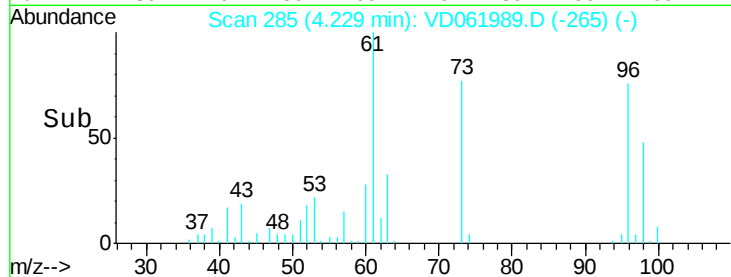
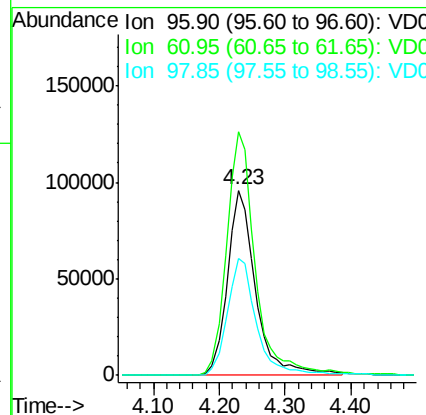
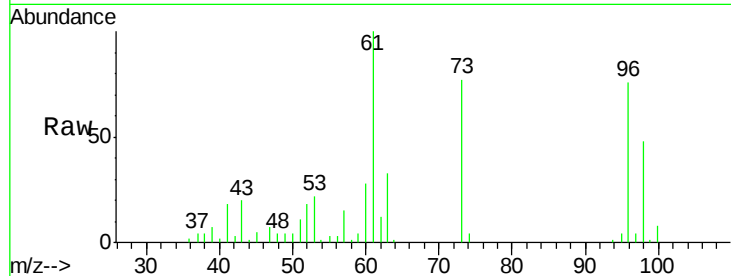
98 63.3 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.283 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tgt Ion: 45 Resp: 849554

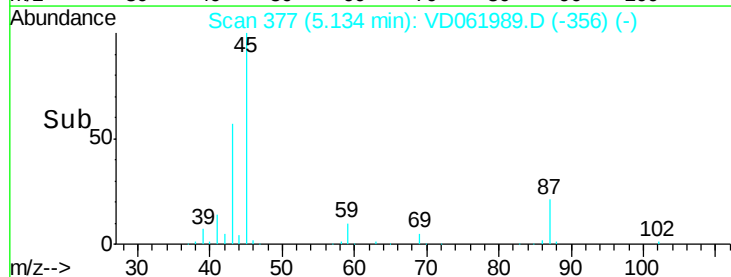
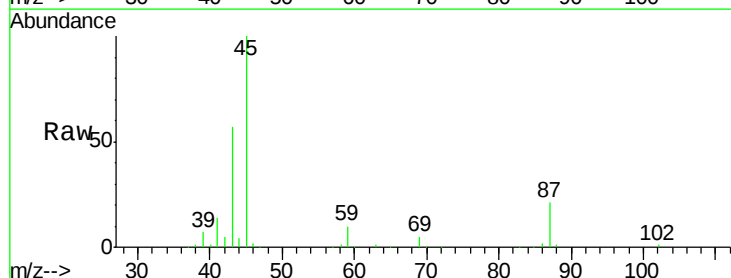
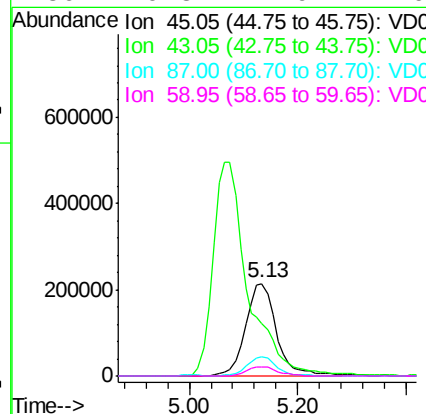
Ion Ratio Lower Upper

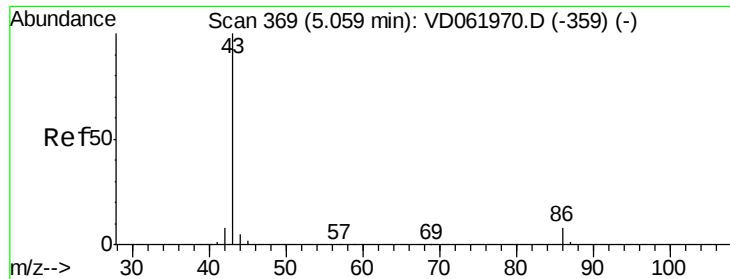
45 100

43 57.4 46.2 69.2

87 20.8 15.9 23.9

59 9.8 7.9 11.9





#23

Vinyl Acetate

Concen: 257.685 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2180533

Ion Ratio Lower Upper

43 100

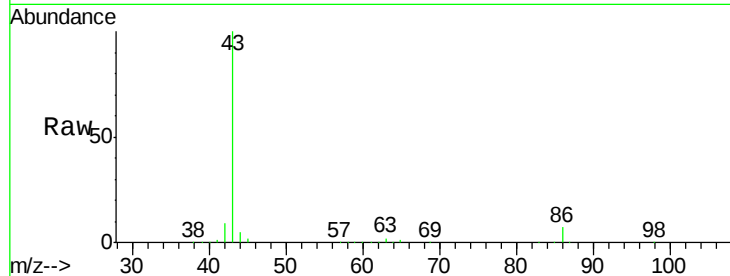
86 7.2 6.4 9.6

Manual Integrations

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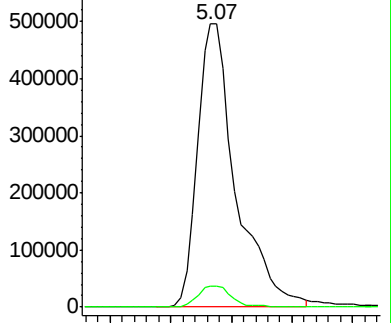
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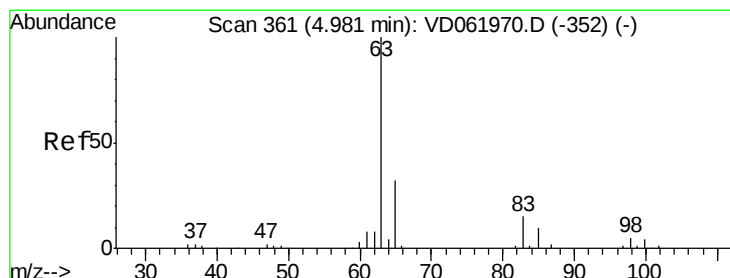
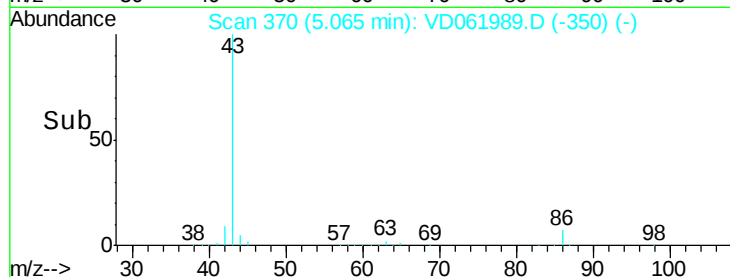


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 49.775 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

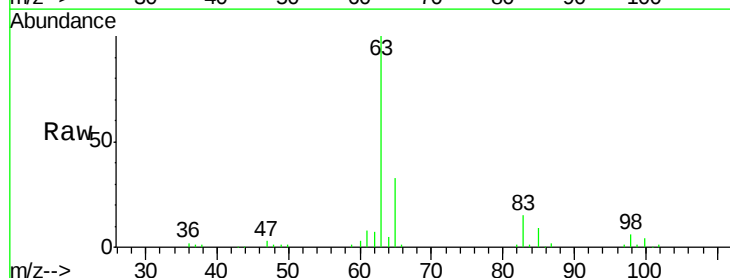
Tgt Ion: 63 Resp: 488846

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

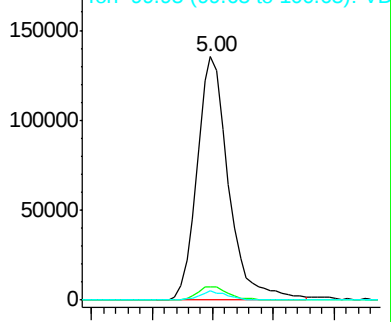
100 3.7 1.8 5.5



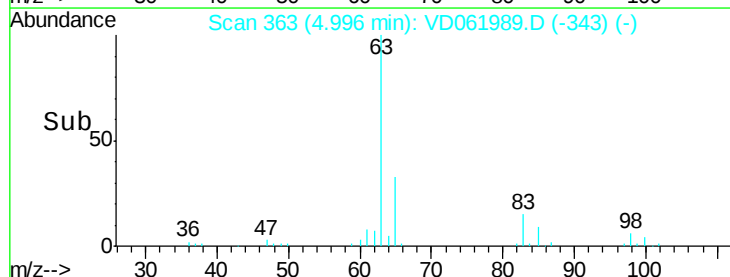
Abundance Ion 62.95 (62.65 to 63.65): VDC

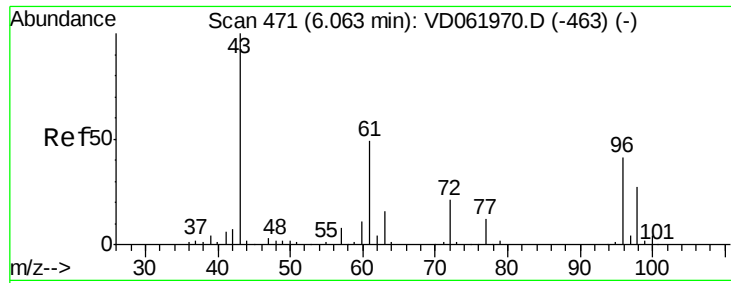
Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





#25

2-Butanone

Concen: 256.736 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tot Ion: 43 Resp: 363732

Ion Ratio Lower Upper

43 100

72 22.5 16.2 24.4

Instrument :

MSVOA_D

ClientSampleId :

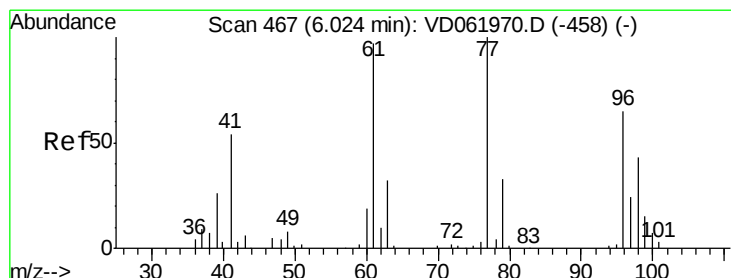
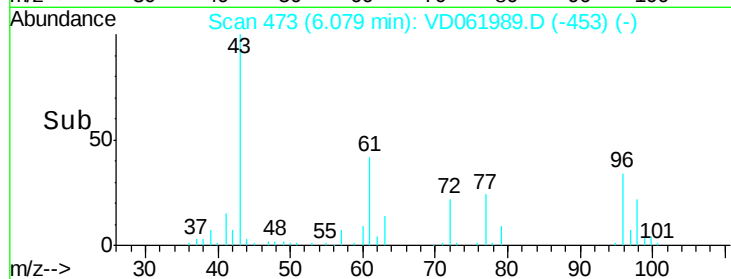
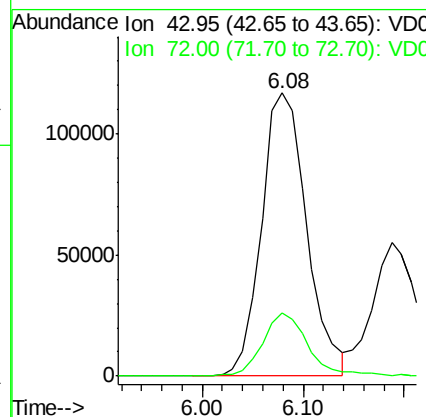
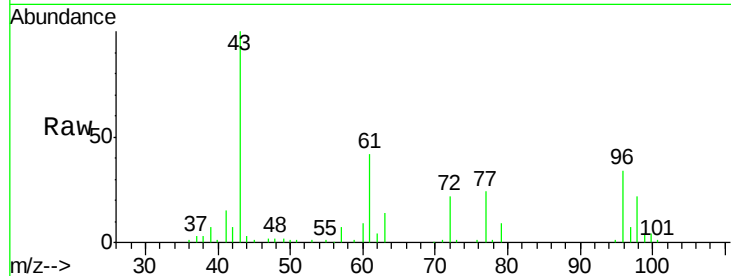
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 50.906 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061989.D

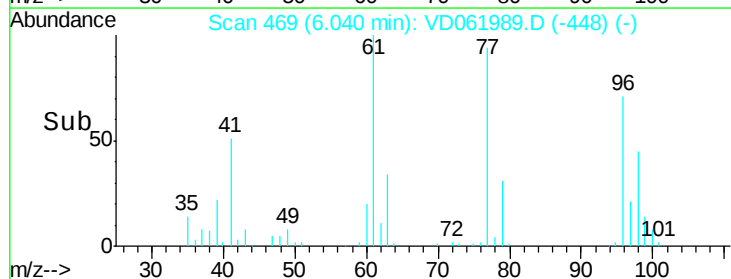
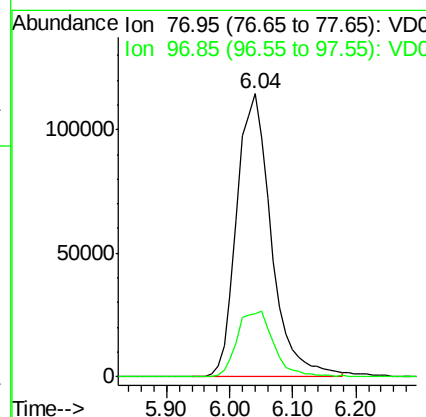
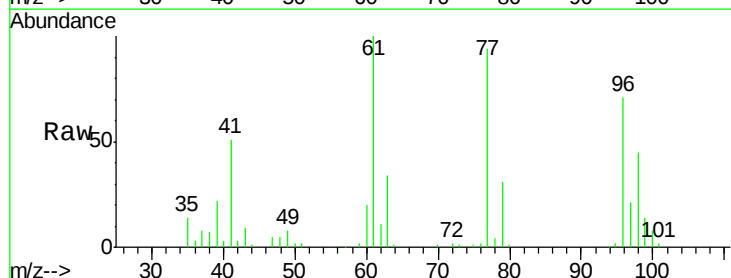
Acq: 24 Apr 2019 10:45

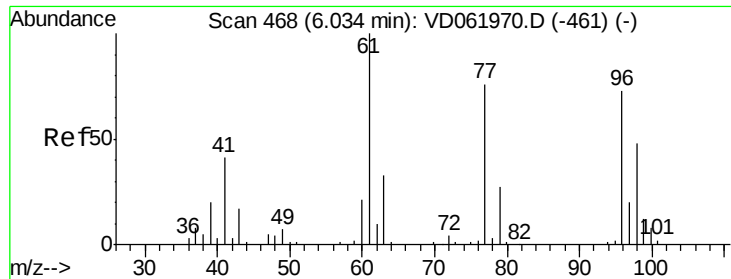
Tgt Ion: 77 Resp: 436156

Ion Ratio Lower Upper

77 100

97 22.2 11.9 35.9





#27

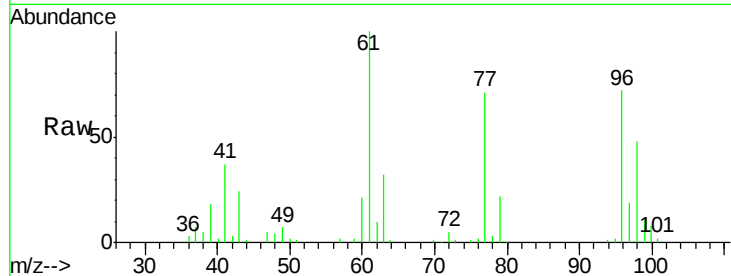
cis-1,2-Dichloroethene
Concen: 48.779 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

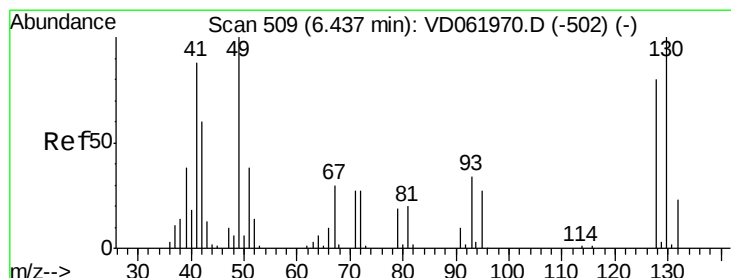
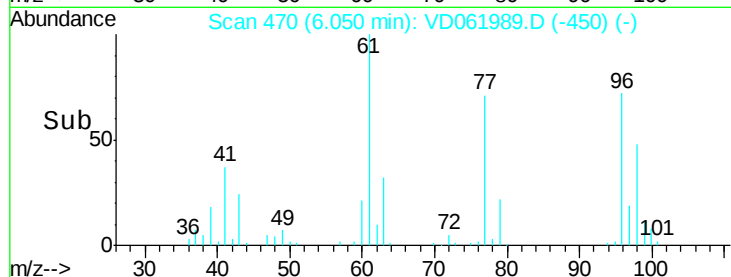
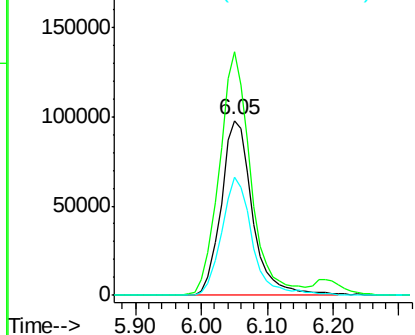
Tot Ion	Ratio	Resp	Lower	Upper
96	100	324462		
61	139.0	0.0	279.8	
98	67.2	0.0	136.0	

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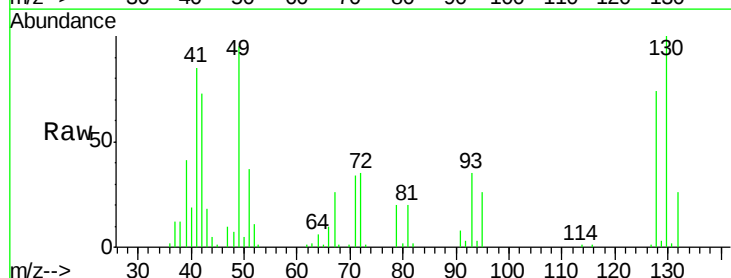
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



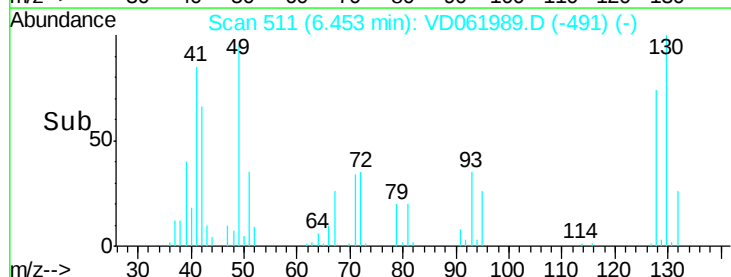
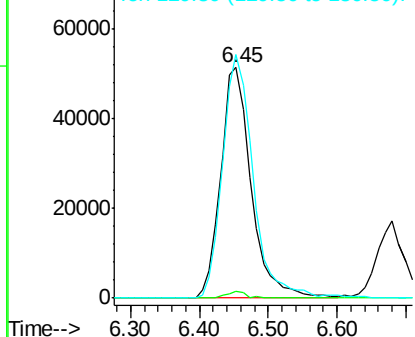
#28

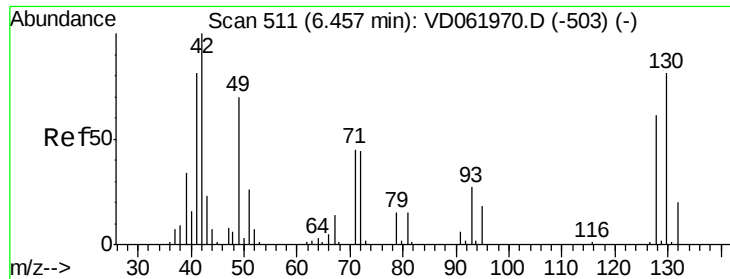
Bromochloromethane
Concen: 42.147 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158380		
129	3.2	0.0	6.6	
130	105.7	86.7	130.1	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





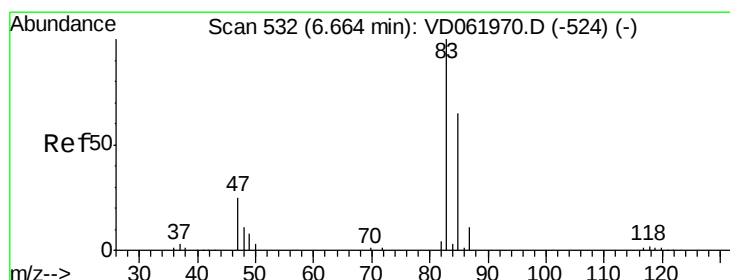
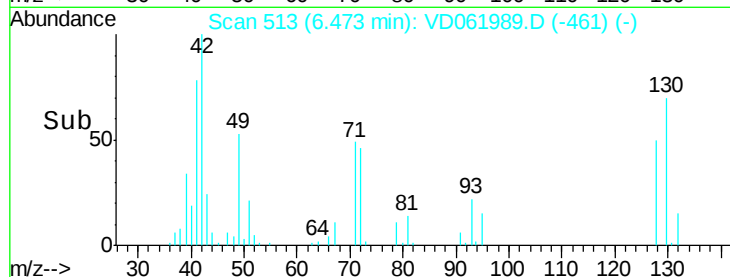
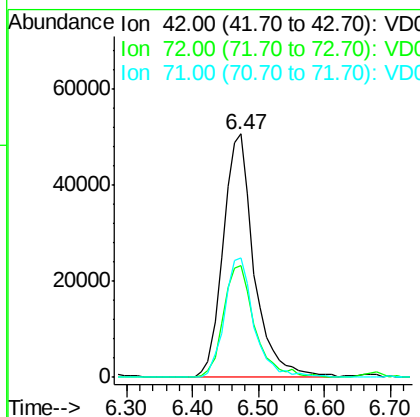
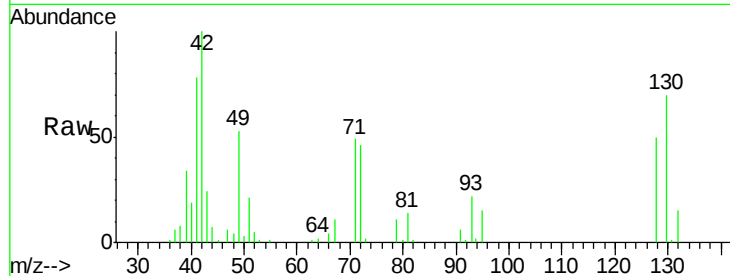
#29
Tetrahydrofuran
Concen: 237.928 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.8	56.6
71	46.8	36.7	55.1

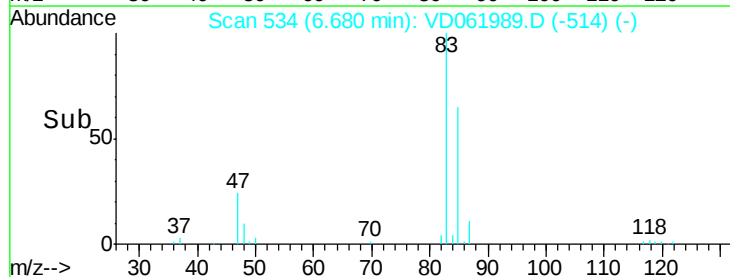
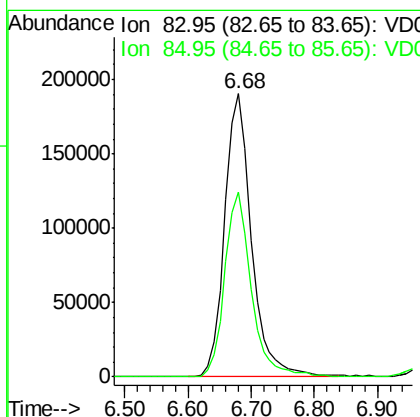
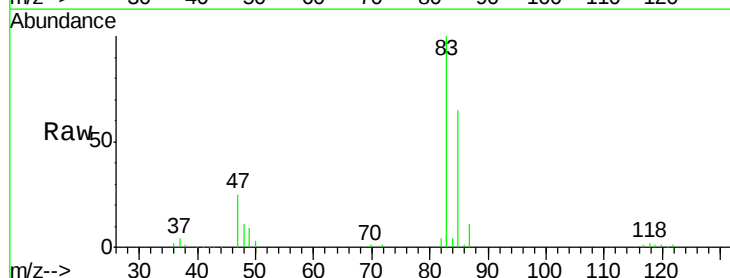
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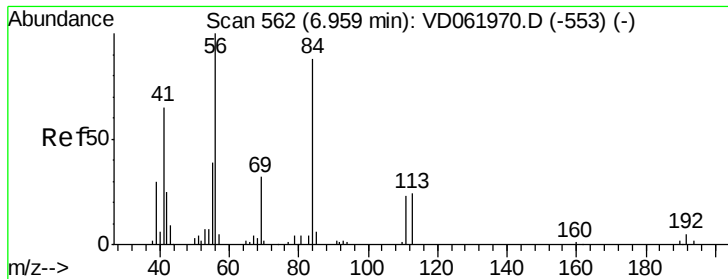
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#30
Chloroform
Concen: 50.404 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.7	77.5





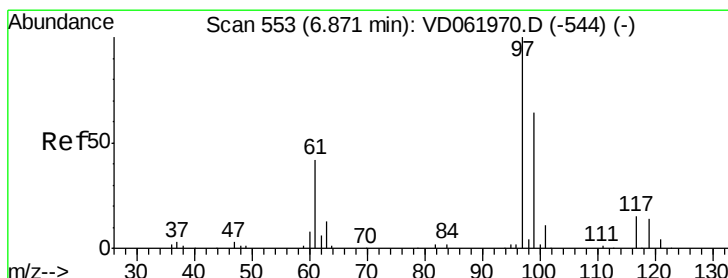
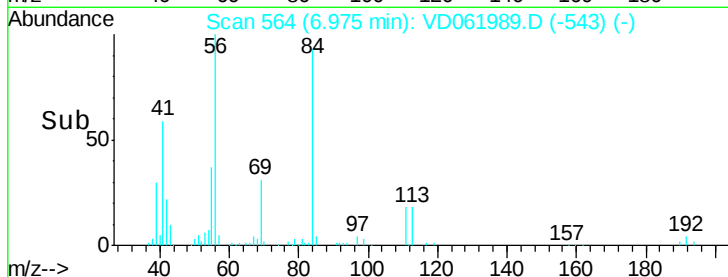
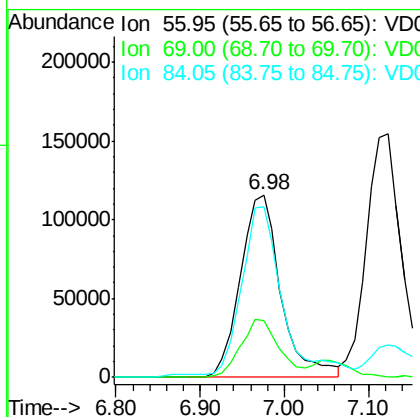
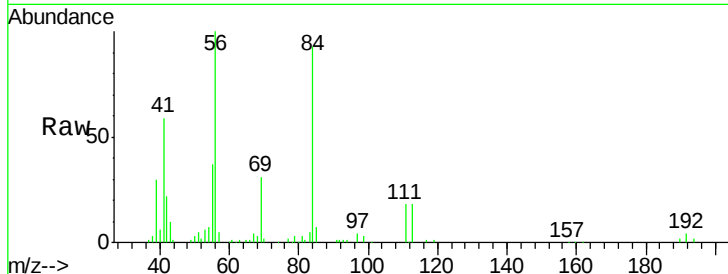
#31
Cyclohexane
Concen: 53.242 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.8	38.6
84	93.2	72.2	108.4

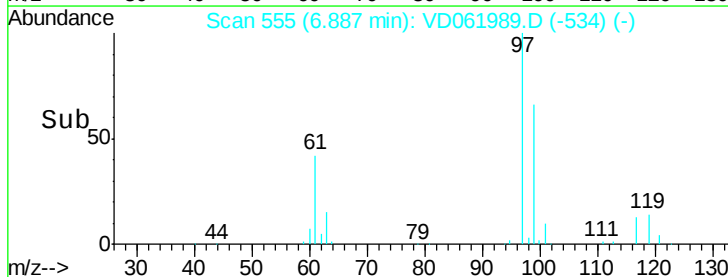
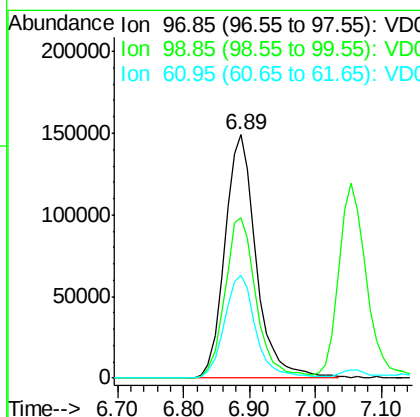
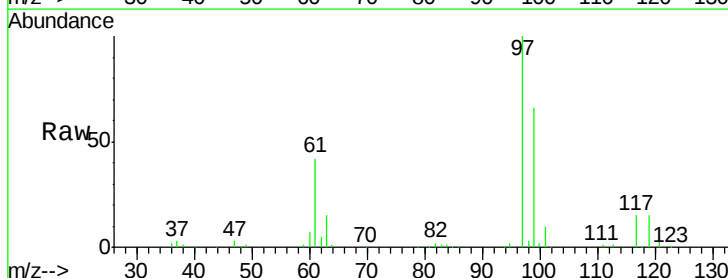
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#32
1,1,1-Trichloroethane
Concen: 51.080 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.2	78.2
61	42.1	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 50.143 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tot Ion: 65 Resp: 245397

Ion Ratio Lower Upper

65 100

67 48.7 0.0 98.0

Instrument :

MSVOA_D

ClientSampleId :

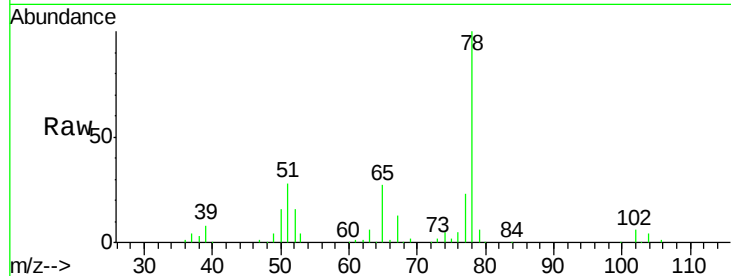
VSTDCCC050

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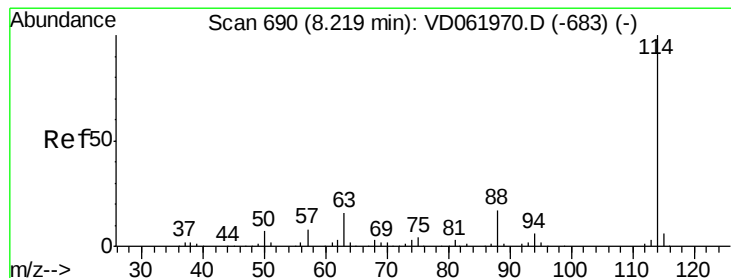
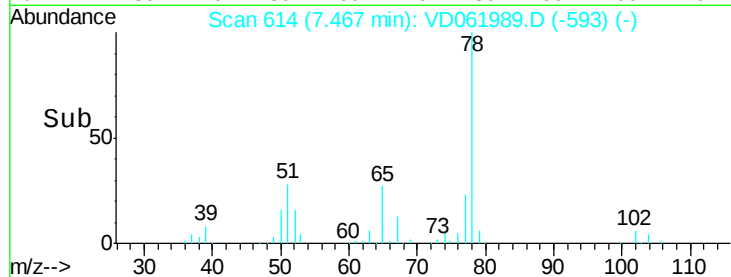
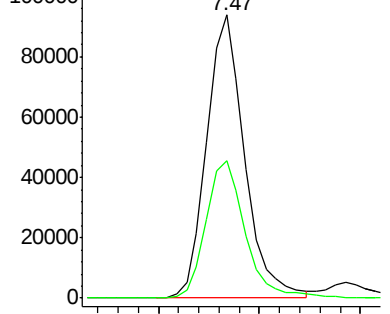
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

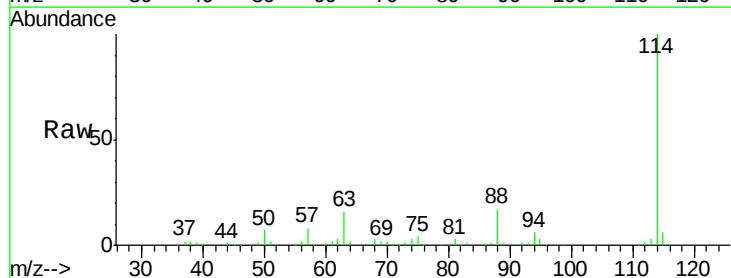
Tgt Ion: 114 Resp: 1046971

Ion Ratio Lower Upper

114 100

63 16.1 0.0 32.4

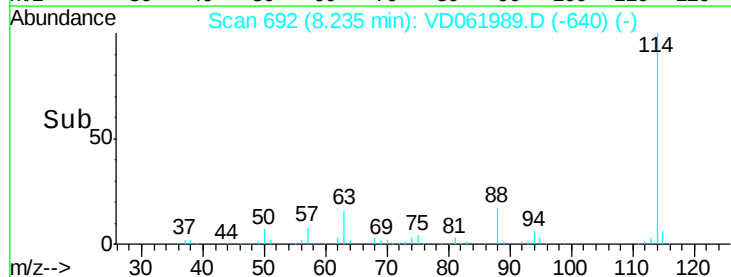
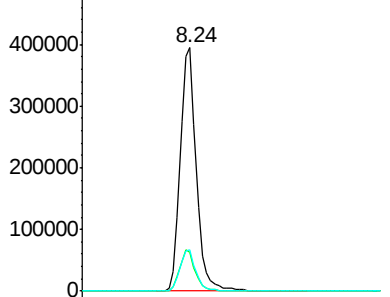
88 17.2 0.0 33.6

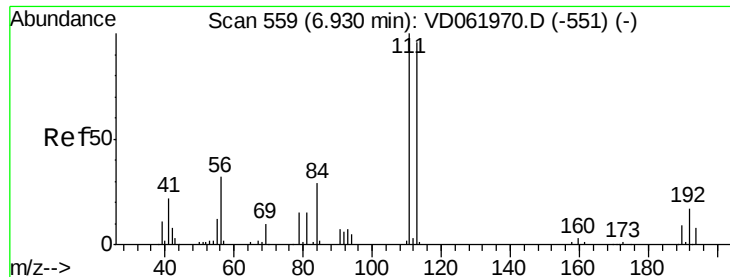


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.066 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

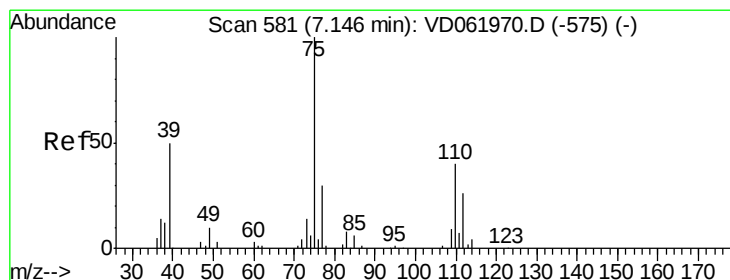
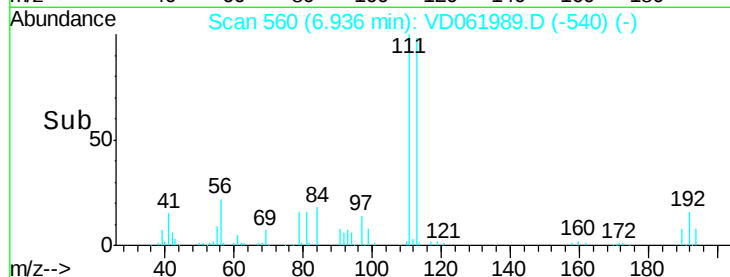
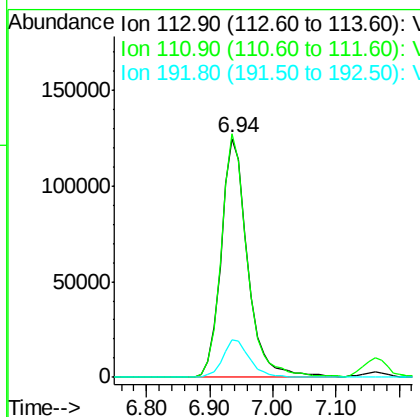
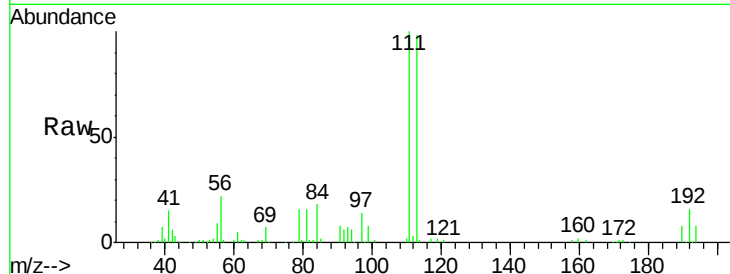
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	362519
Ion	Ratio	Lower	Upper
113	100		
111	101.8	78.5	117.7
192	15.9	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 48.385 ug/l

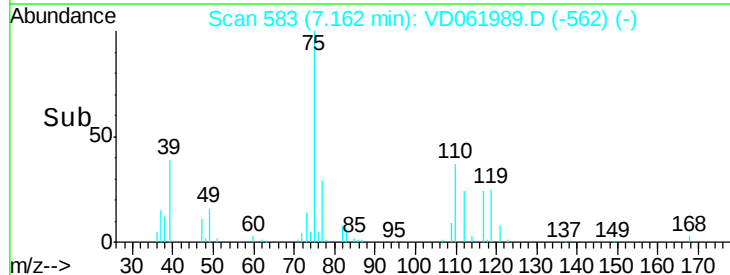
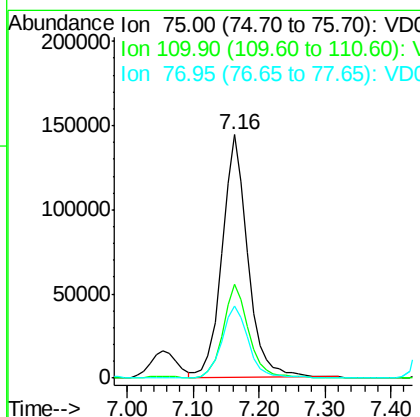
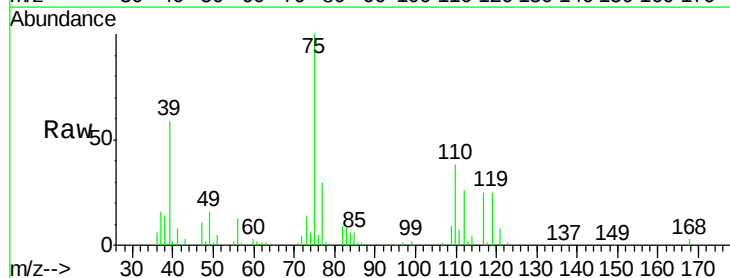
RT: 7.16 min Scan# 583

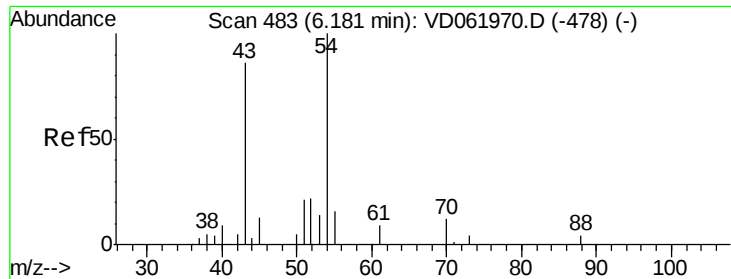
Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tgt Ion:	75	Resp:	394678
Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.1	57.1
77	29.8	25.6	38.4





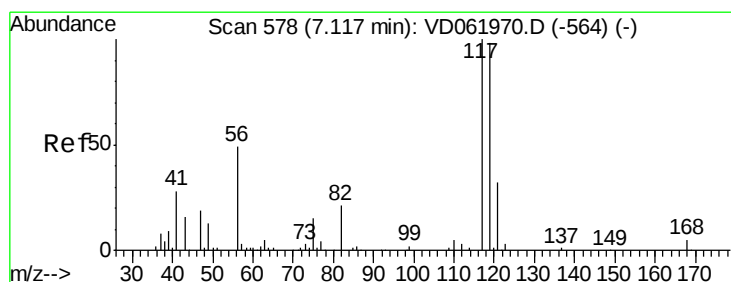
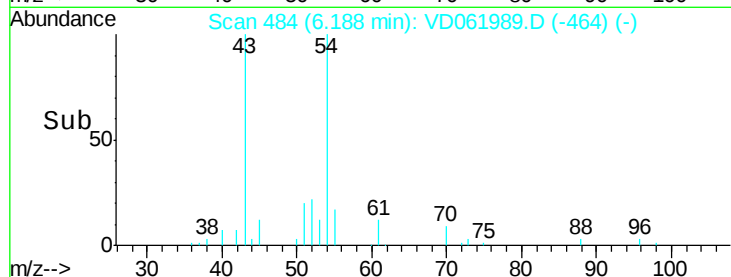
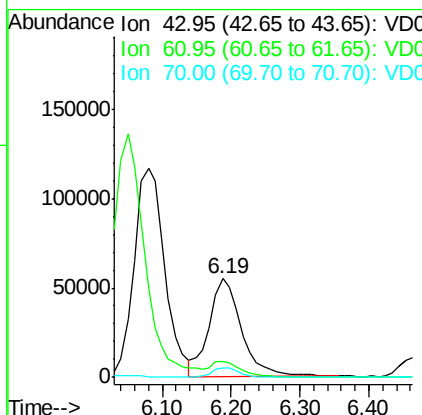
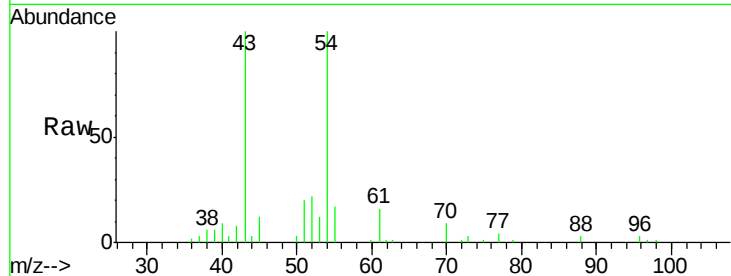
#37
Ethyl Acetate
Concen: 51.357 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	14.7	22.1
70	8.9	7.8	11.6

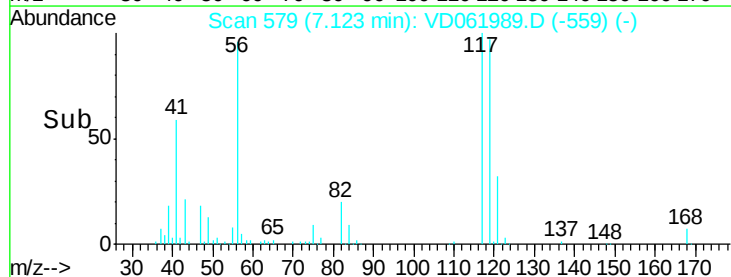
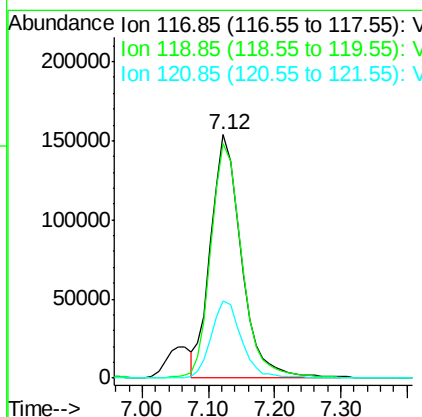
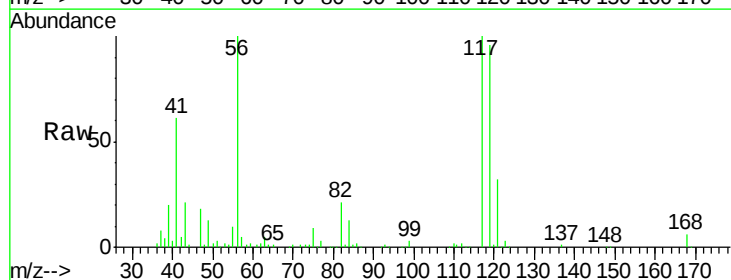
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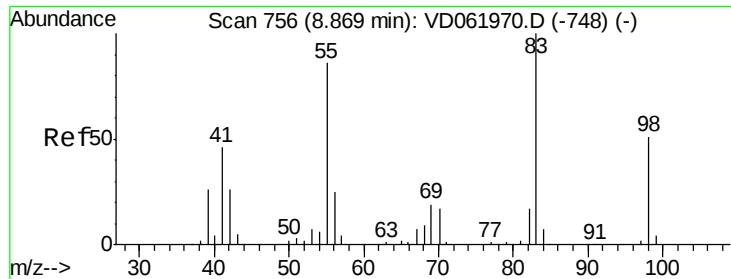
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#38
Carbon Tetrachloride
Concen: 47.560 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.8
121	31.7	25.9	38.9





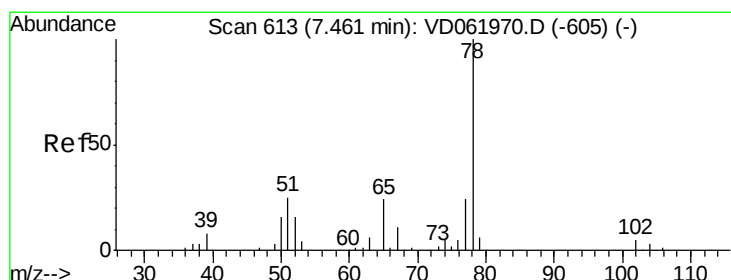
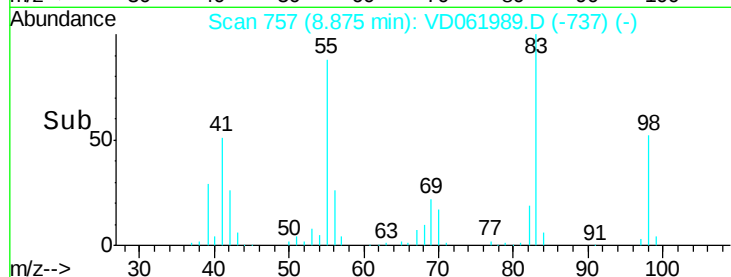
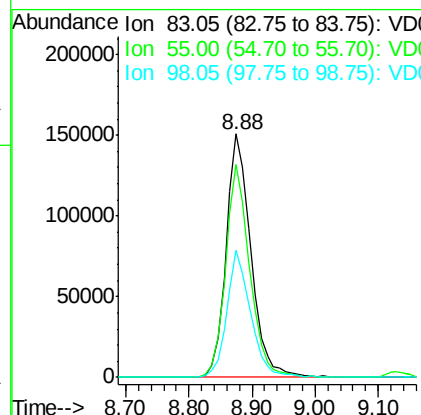
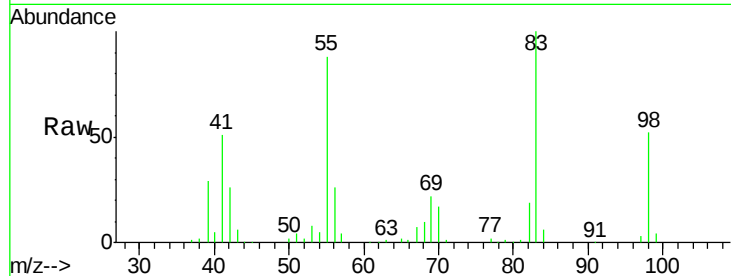
#39
Methvlcvclohexane
Concen: 51.104 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.7	68.2	102.4
98	52.3	38.2	57.4

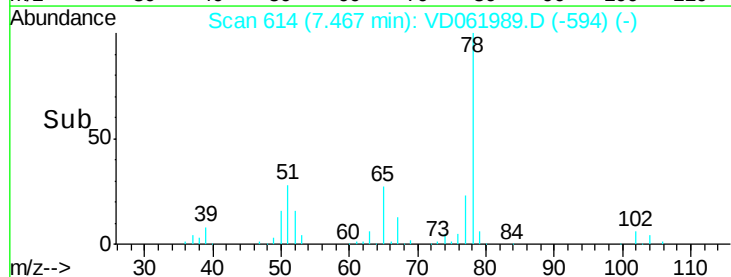
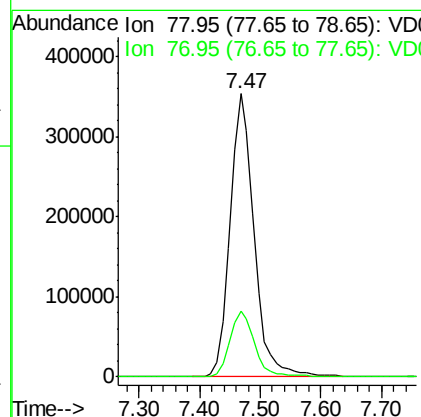
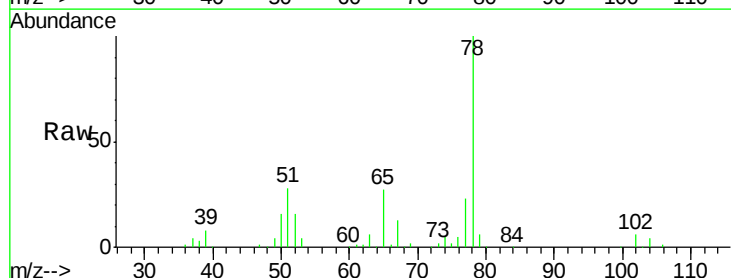
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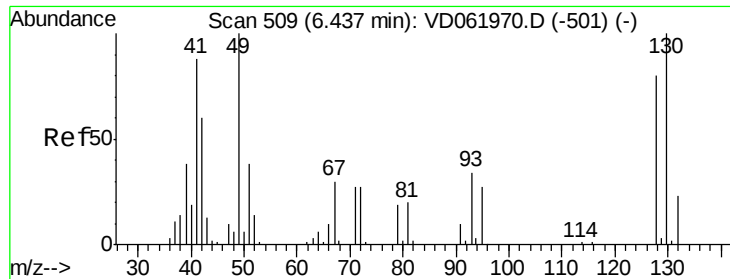
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#40
Benzene
Concen: 48.246 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.7	29.5





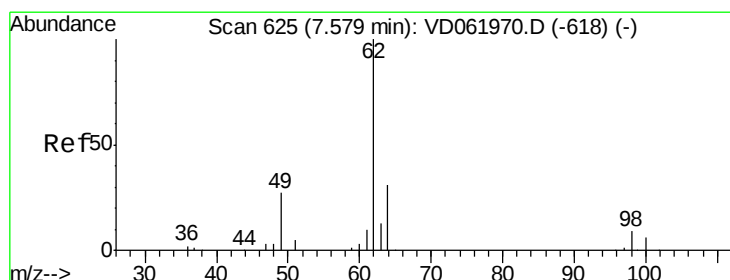
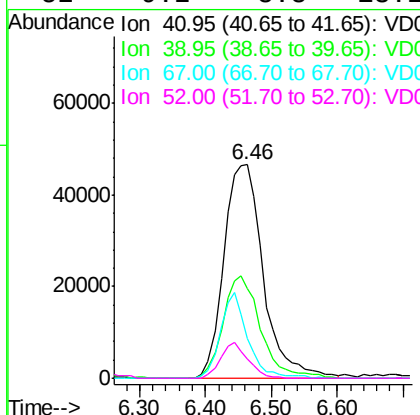
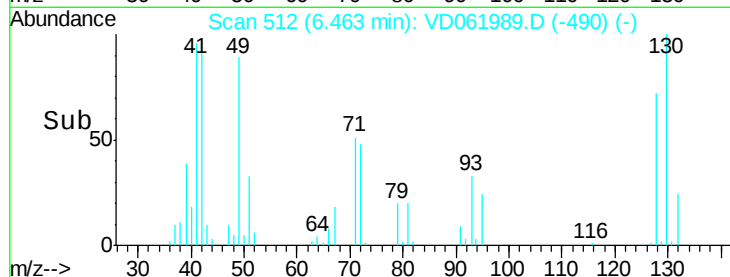
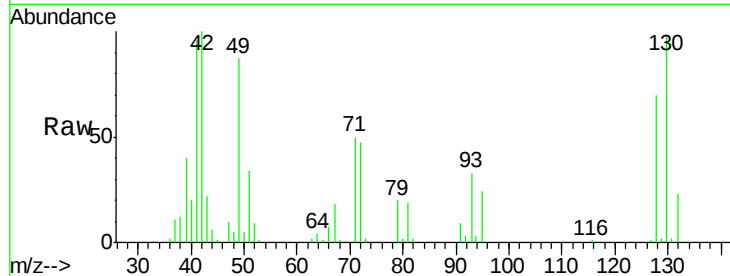
#41
Methacrylonitrile
Concen: 47.994 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	41.9	34.1	51.1	
67	18.7	23.8	35.6	
52	9.2	8.8	13.2	

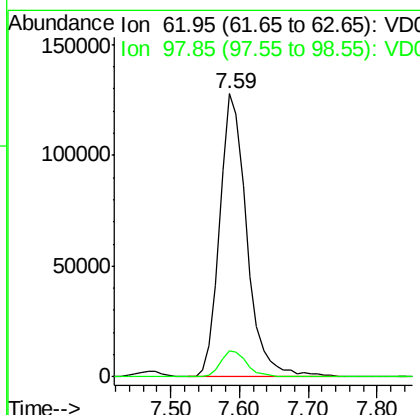
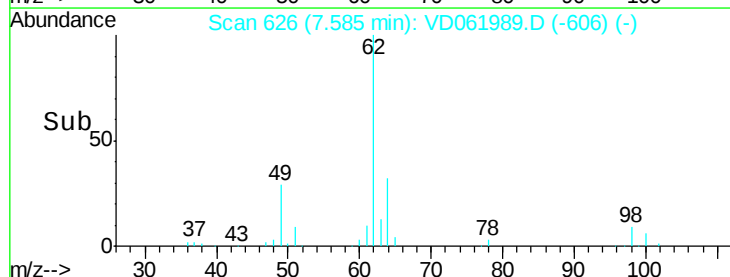
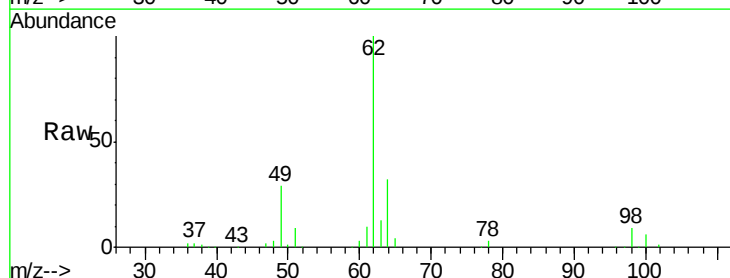
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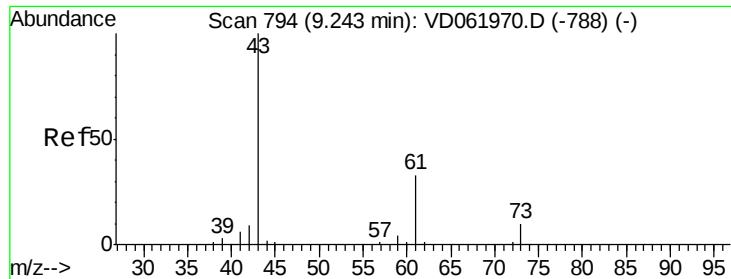
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.922 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.0	0.0	17.8	





#43

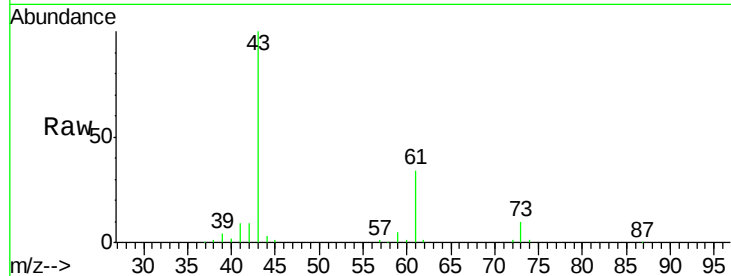
Isopropyl Acetate
 Concen: 47.670 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

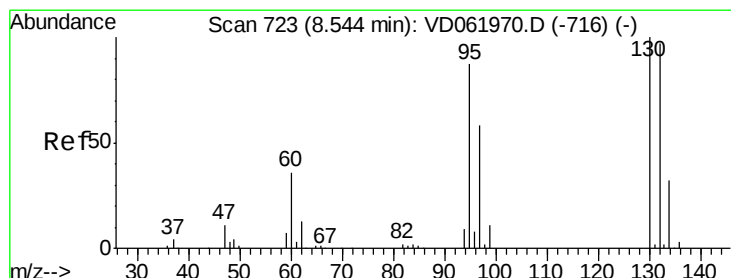
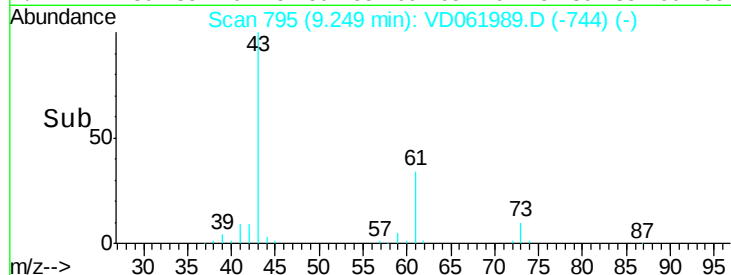
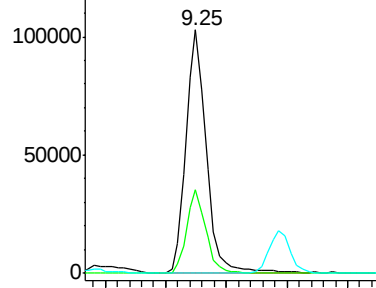
Tot Ion	Ratio	Lower	Upper
43	100		
61	34.1	25.1	37.7
87	0.3	0.0	0.0

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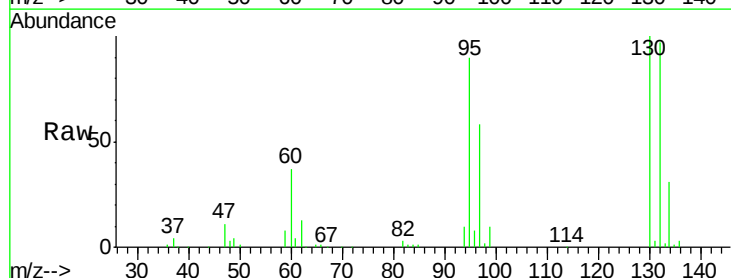
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



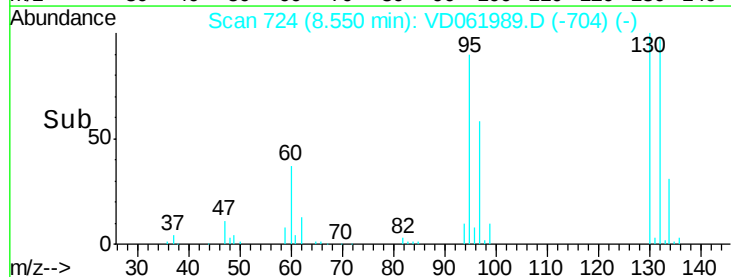
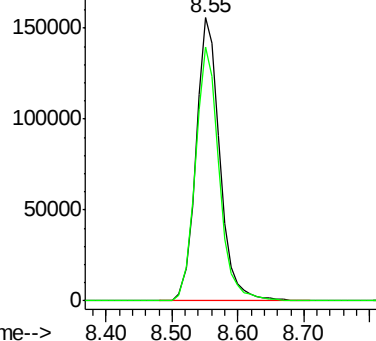
#44

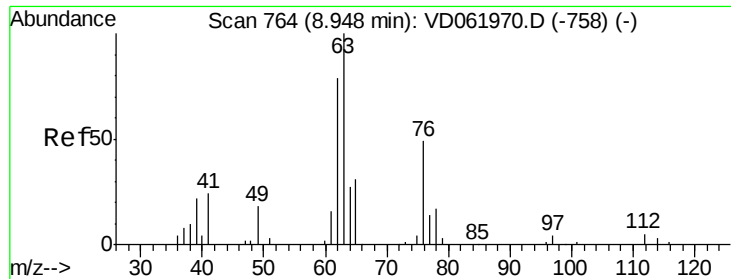
Trichloroethene
 Concen: 50.263 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	174.0



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





#45

1,2-Dichloropropane

Concen: 48.277 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 247327

Ion Ratio Lower Upper

63 100

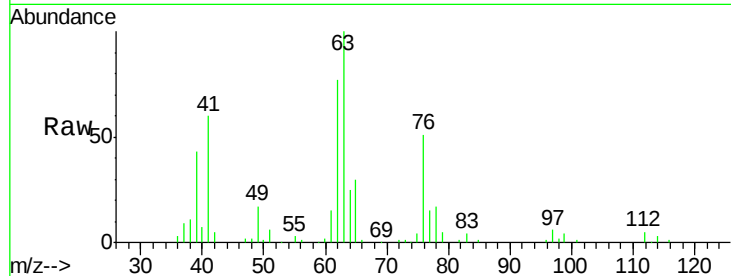
65 29.8 23.8 35.6

Manual Integrations

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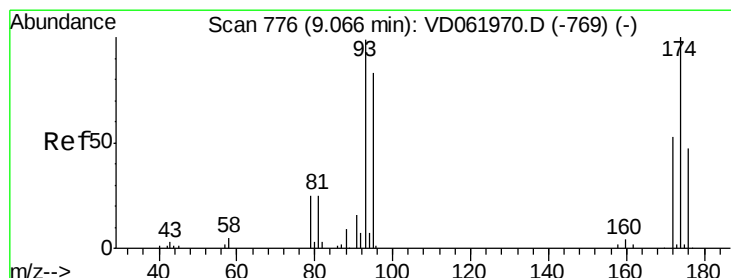
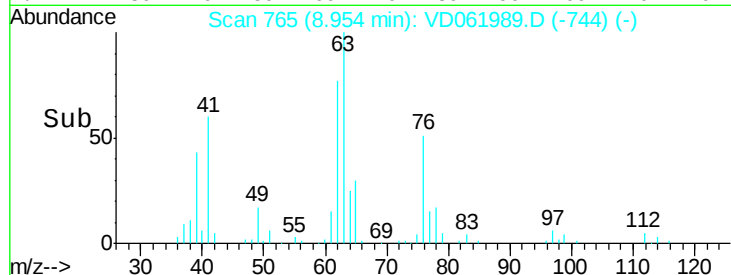
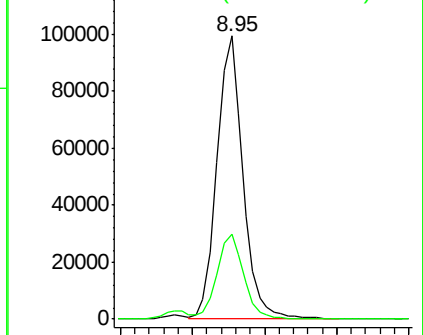
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 48.666 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

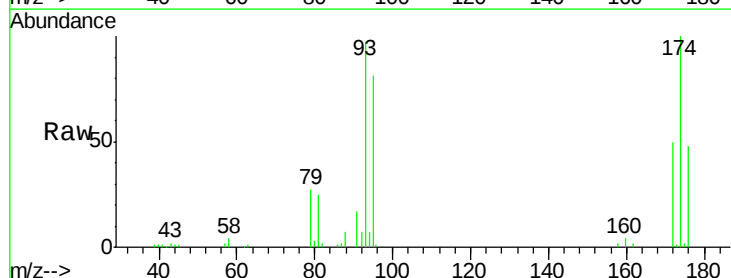
Tgt Ion: 93 Resp: 179397

Ion Ratio Lower Upper

93 100

95 83.7 64.8 97.2

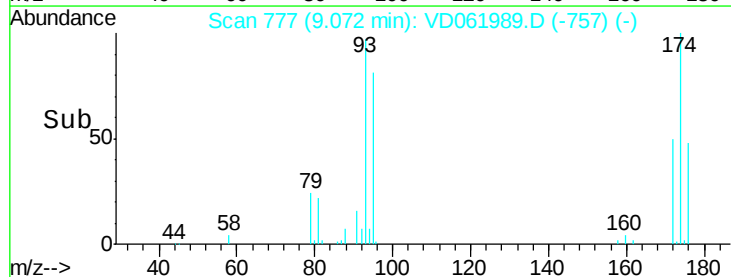
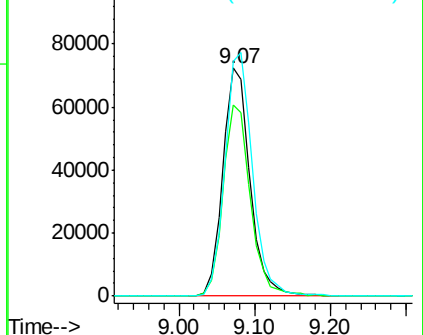
174 102.9 79.3 118.9

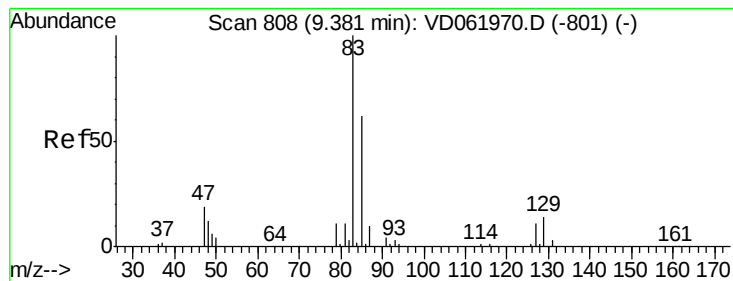


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 48.173 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

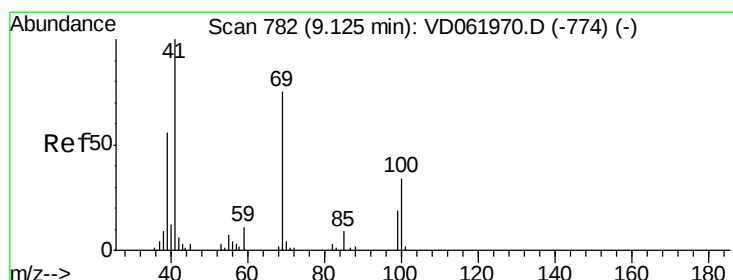
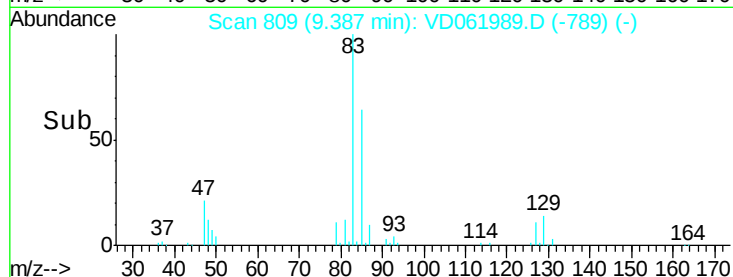
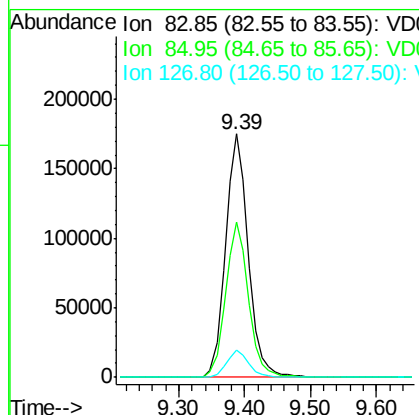
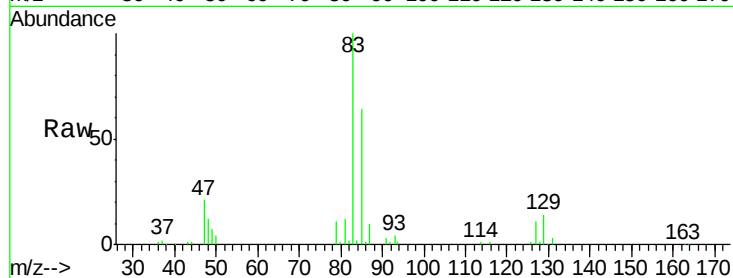
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	419593
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.9	76.3
127	11.3	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.435 ug/l

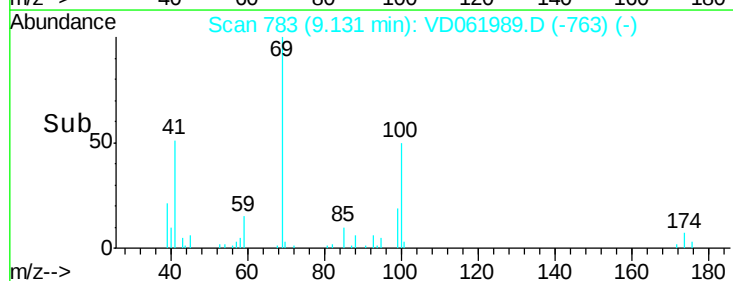
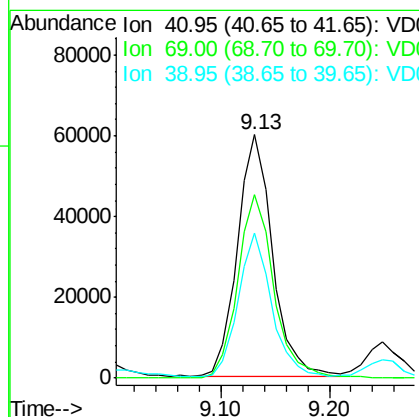
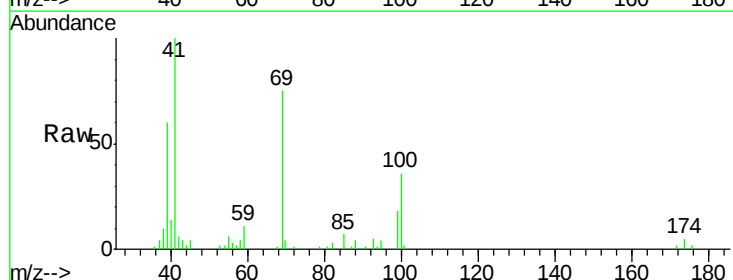
RT: 9.13 min Scan# 783

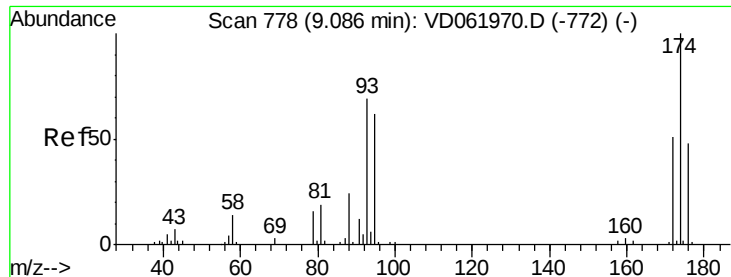
Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tgt Ion:	41	Resp:	134560
Ion Ratio	Lower	Upper	
41	100		
69	75.2	64.2	96.2
39	59.5	46.8	70.2





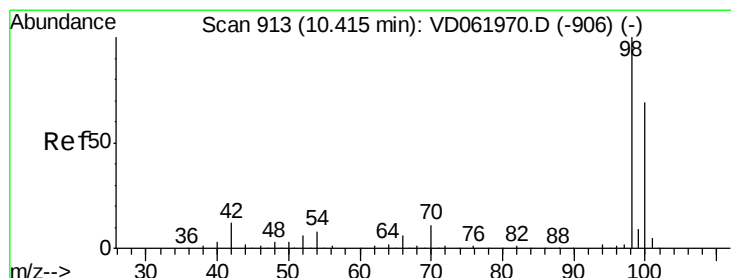
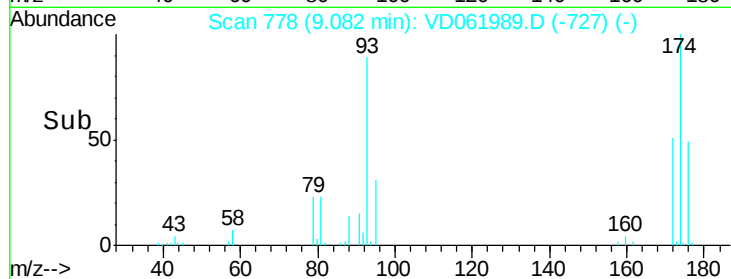
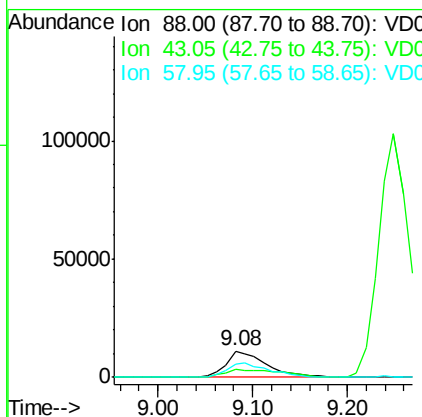
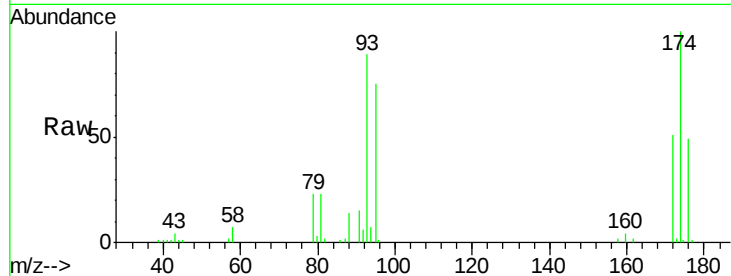
#49
1,4-Dioxane
Concen: 1029.709 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	32170
Ion	Ratio	Lower	Upper
88	100		
43	29.4	23.4	35.0
58	49.4	44.0	66.0

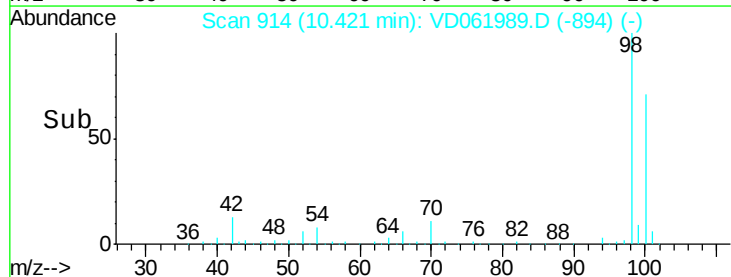
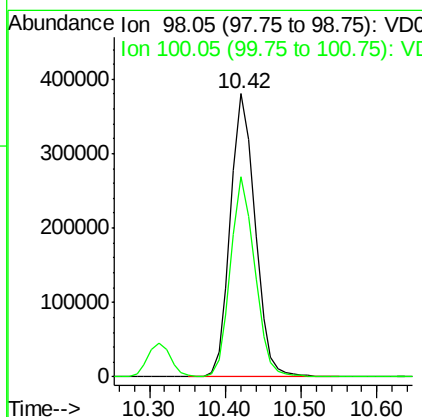
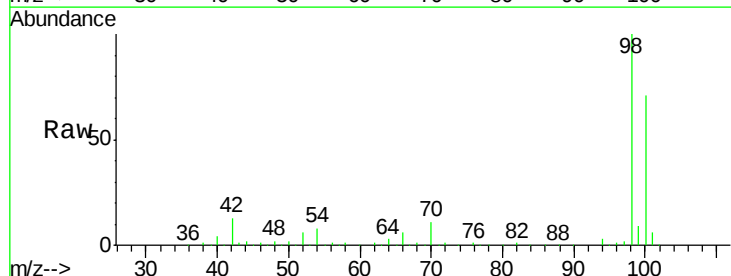
Manual Integrations
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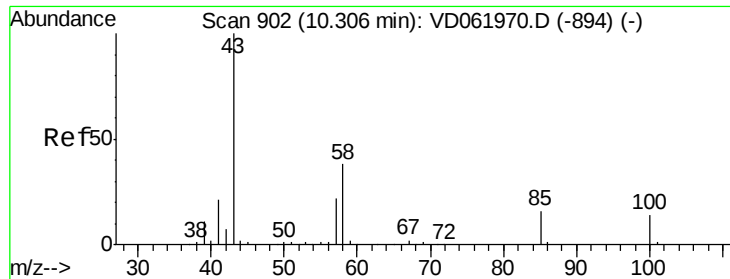
MMDadoda
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#50
Toluene-d8
Concen: 49.955 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	98	Resp	860707
Ion	Ratio	Lower	Upper
98	100		
100	70.9	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 241.663 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 750619

Ion Ratio Lower Upper

43 100

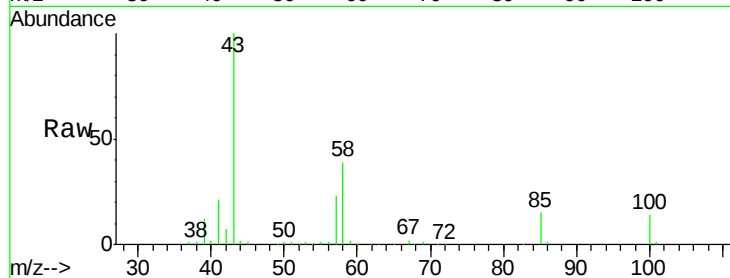
58 39.0 30.4 45.6

Manual Integrations

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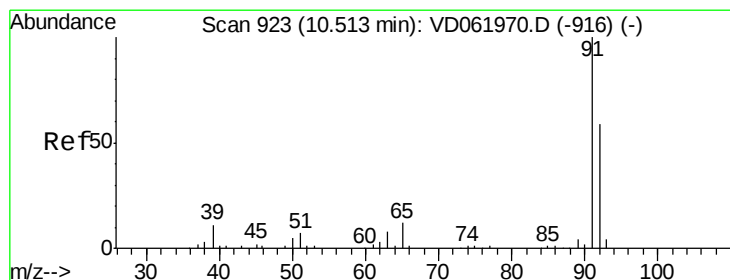
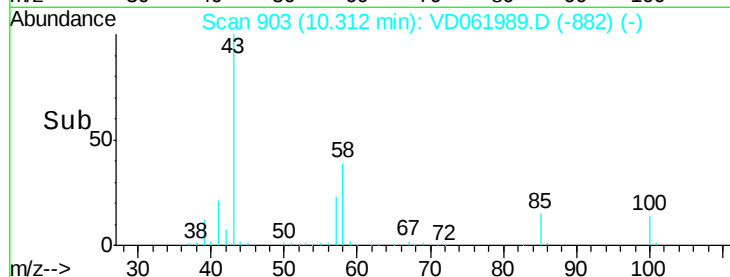
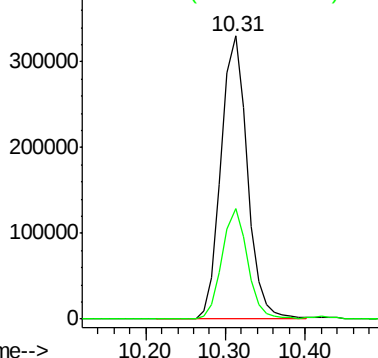
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.062 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD061989.D

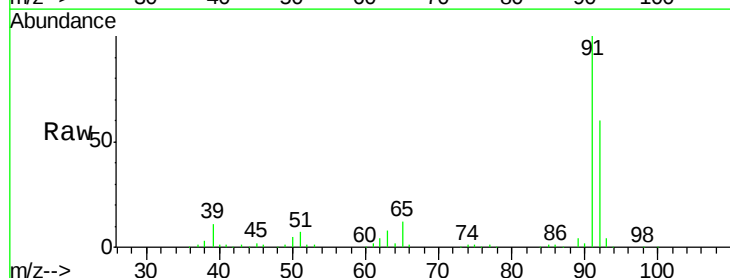
Acq: 24 Apr 2019 10:45

Tgt Ion: 92 Resp: 605965

Ion Ratio Lower Upper

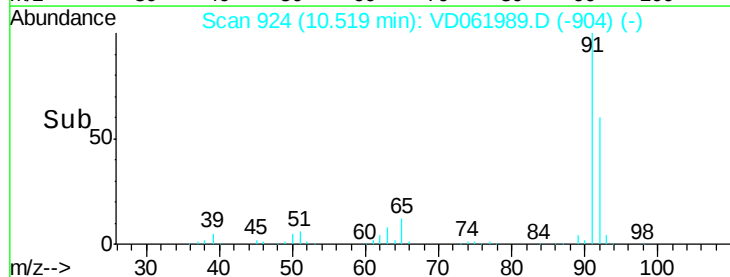
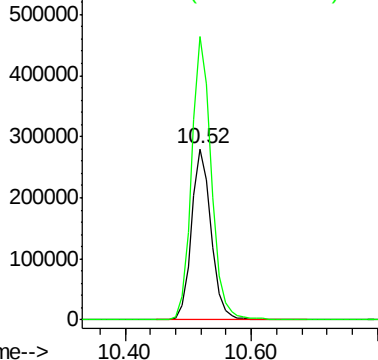
92 100

91 165.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





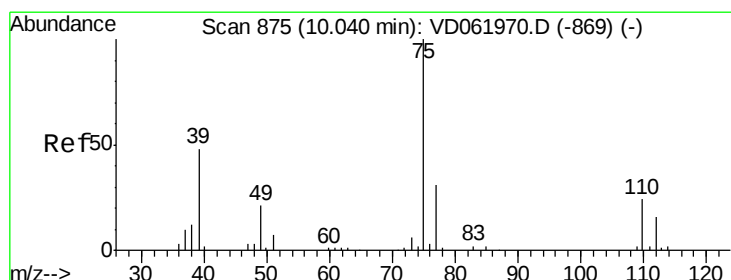
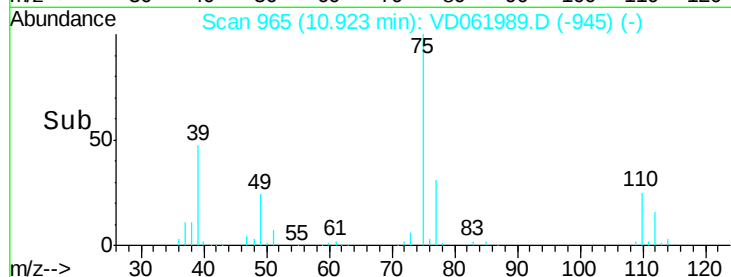
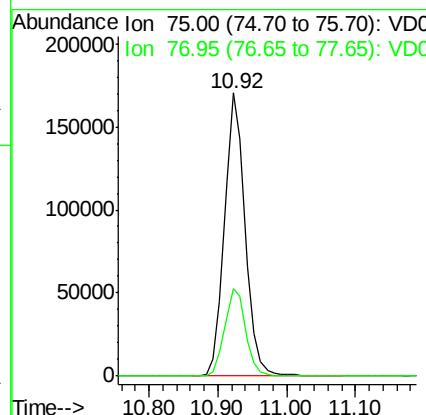
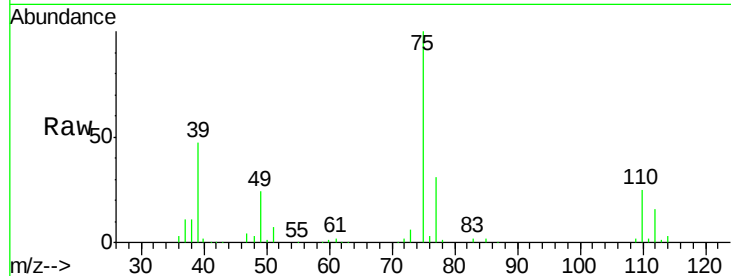
#53
t-1,3-Dichloropropene
Concen: 48.251 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.8

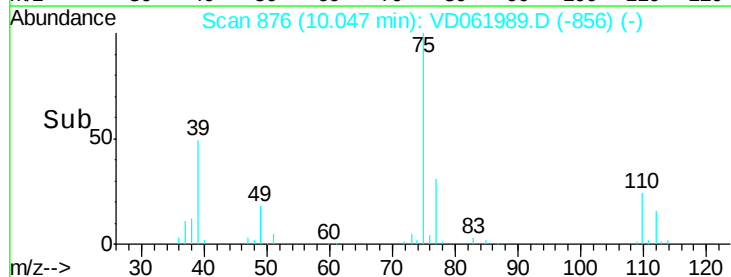
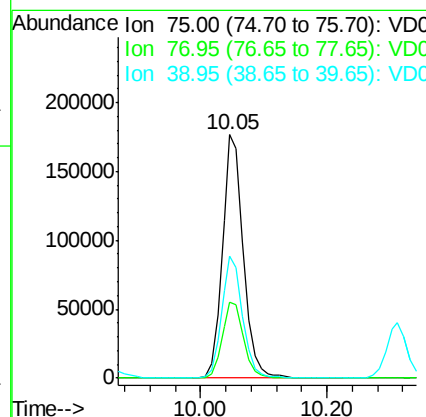
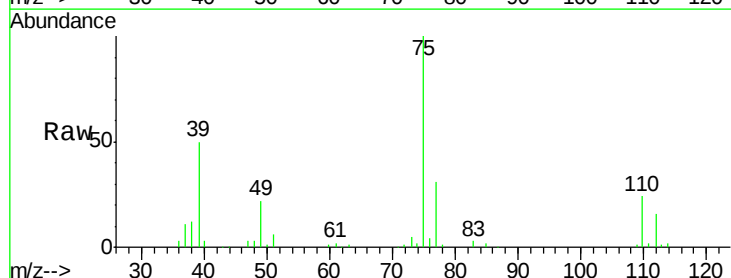
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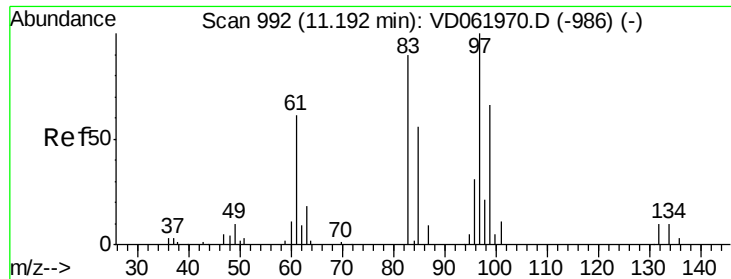
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#54
cis-1,3-Dichloropropene
Concen: 46.010 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3
39	50.3	39.4	59.2





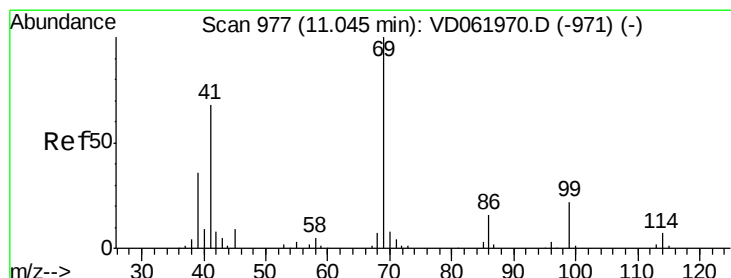
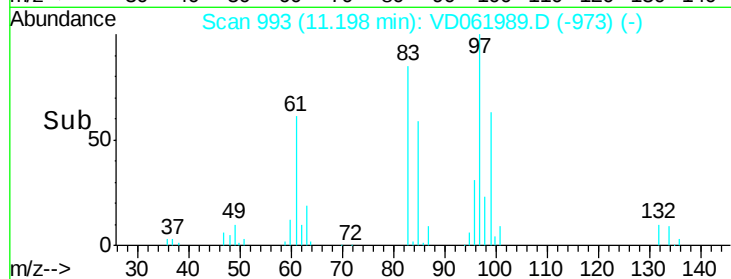
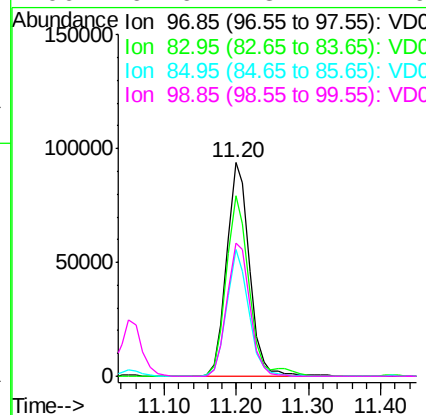
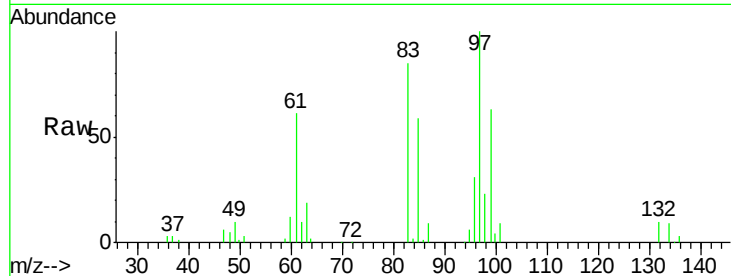
#55
 1,1,2-Trichloroethane
 Concen: 47.443 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	205084
Ion Ratio	Lower	Upper	
97	100		
83	84.6	65.7	98.5
85	59.1	45.6	68.4
99	62.6	48.4	72.6

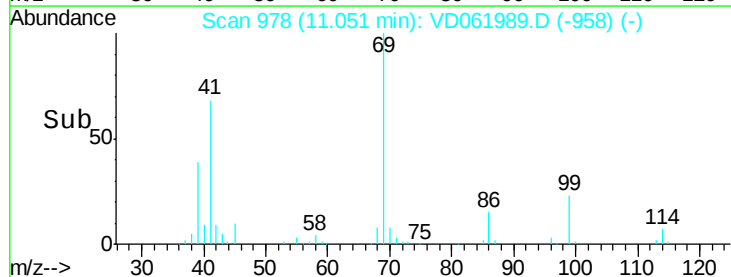
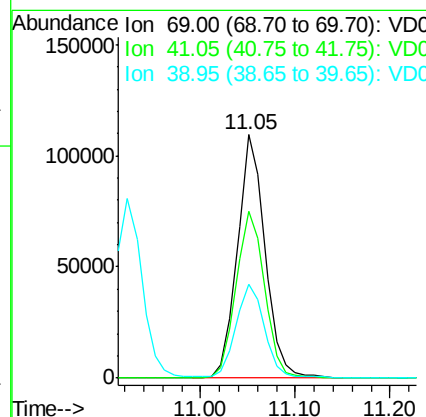
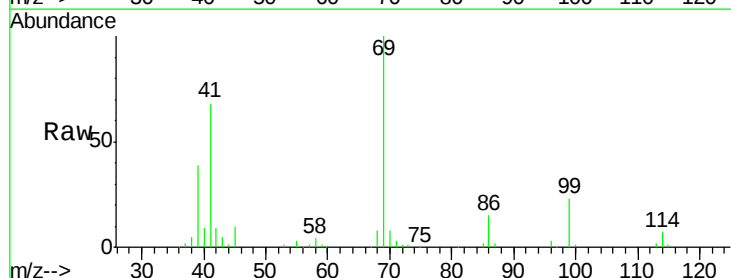
Manual Integrations
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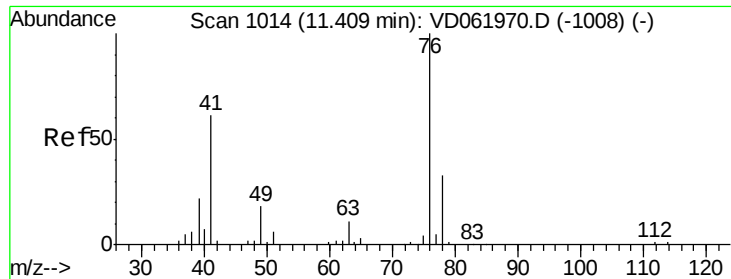
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#56
 Ethyl methacrylate
 Concen: 46.210 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion	69	Resp	221236
Ion Ratio	Lower	Upper	
69	100		
41	68.3	56.3	84.5
39	38.7	29.4	44.2





#57

1,3-Dichloropropane

Concen: 47.910 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 319868

Ion Ratio Lower Upper

76 100

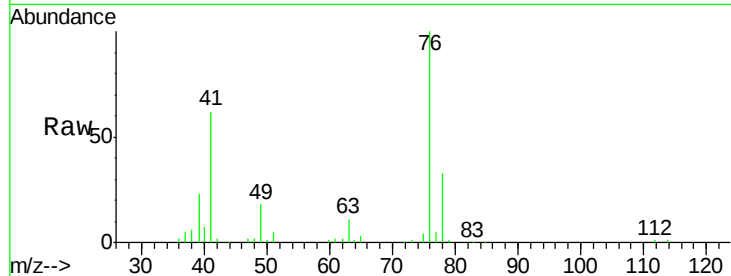
78 33.2 26.2 39.2

Manual Integrations

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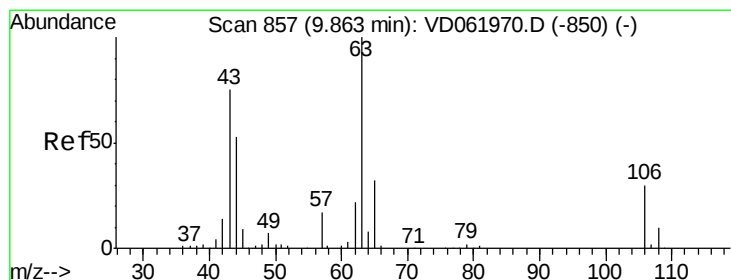
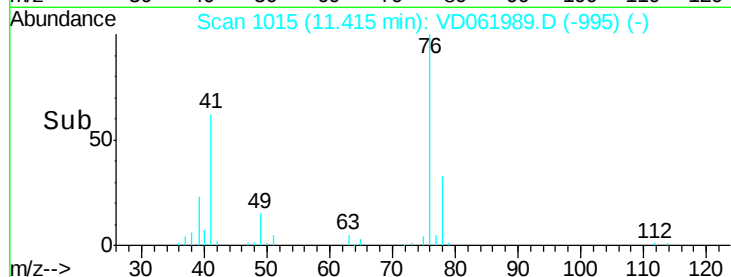
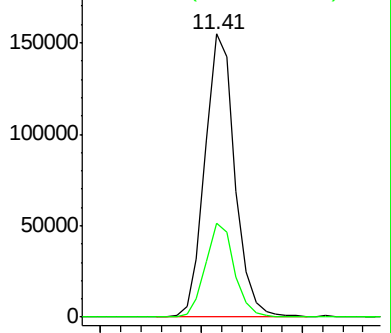
MMDadoda

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 233.076 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD061989.D

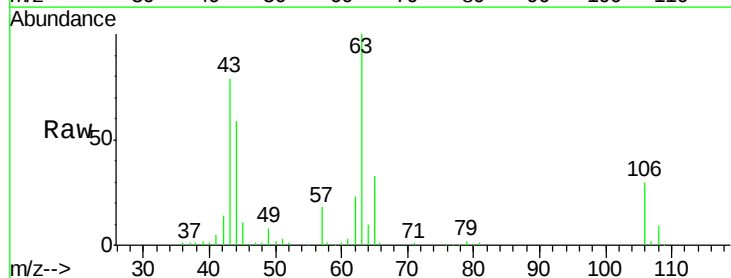
Acq: 24 Apr 2019 10:45

Tgt Ion: 63 Resp: 518804

Ion Ratio Lower Upper

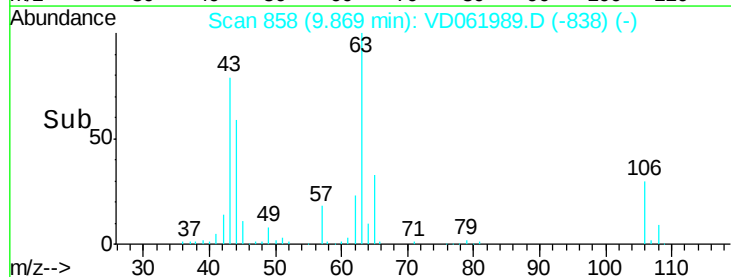
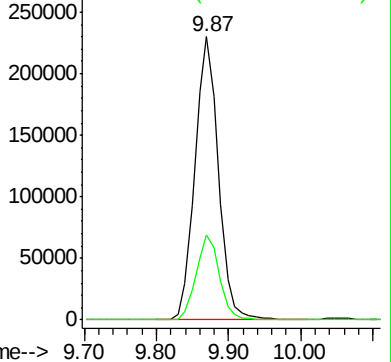
63 100

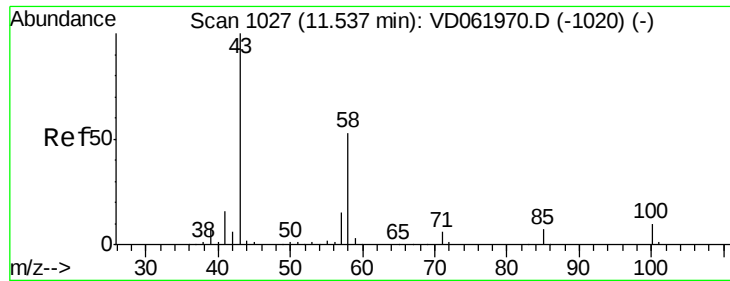
106 30.1 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





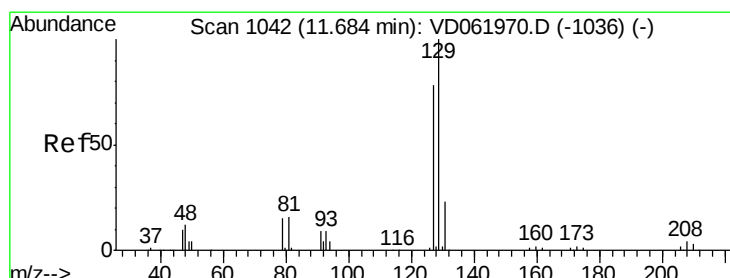
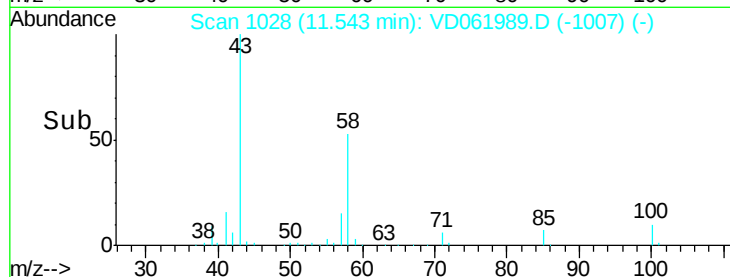
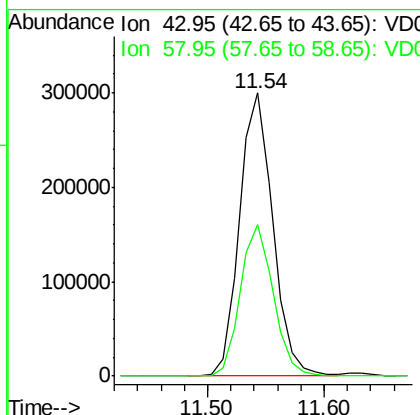
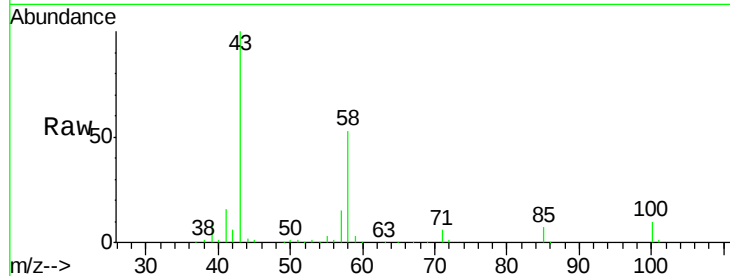
#59
2-Hexanone
Concen: 254.816 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 593718
Ion Ratio Lower Upper
43 100
58 53.4 25.4 76.4

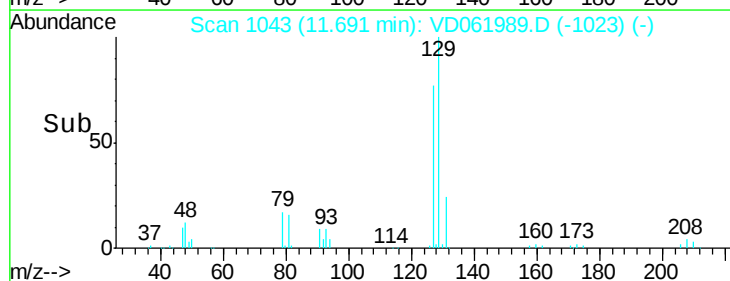
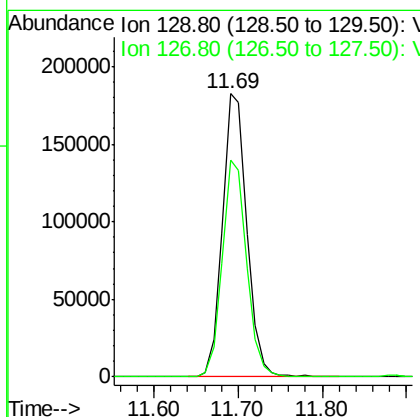
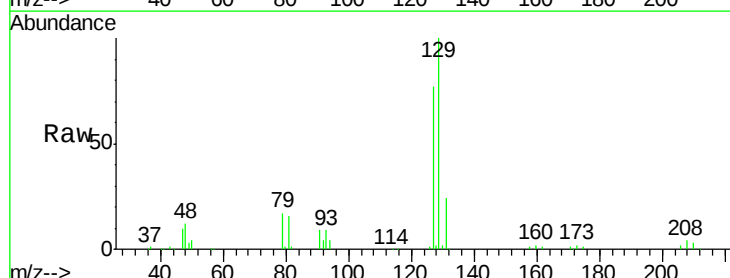
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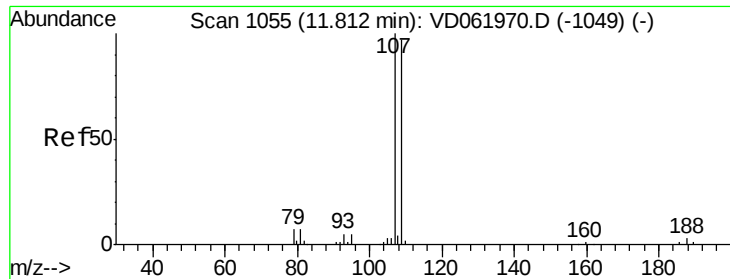
MMDadoda
4/25/2019 3:42:00 PM



#60
Dibromochloromethane
Concen: 51.242 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 129 Resp: 366513
Ion Ratio Lower Upper
129 100
127 76.8 38.0 113.9





#61

1,2-Dibromoethane

Concen: 46.177 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 236789

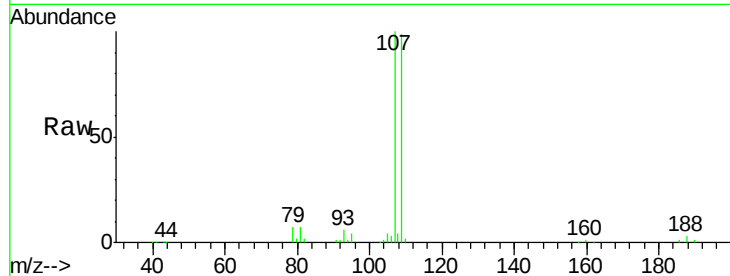
Ion Ratio Lower Upper

107 100

109 98.8 78.3 117.5

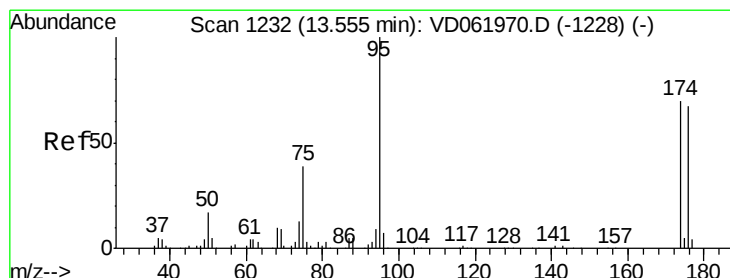
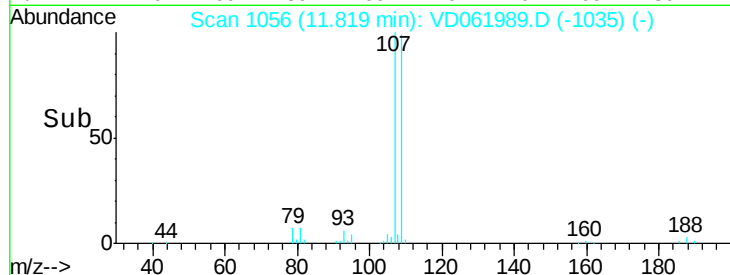
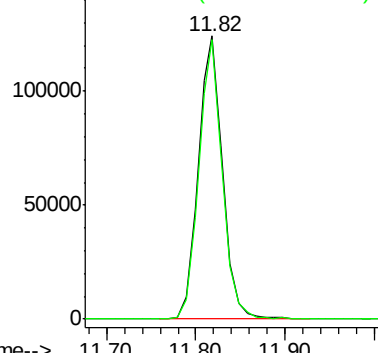
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.056 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

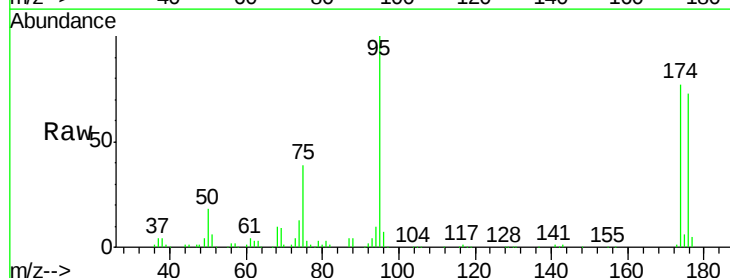
Tgt Ion: 95 Resp: 345919

Ion Ratio Lower Upper

95 100

174 77.1 0.0 181.8

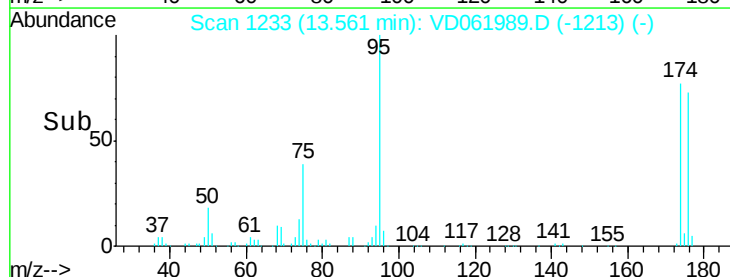
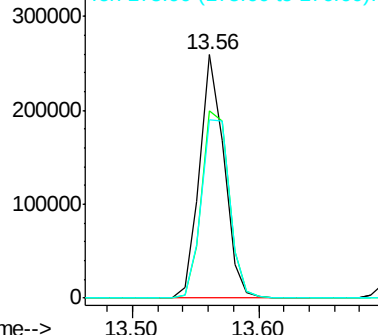
176 73.2 0.0 174.4

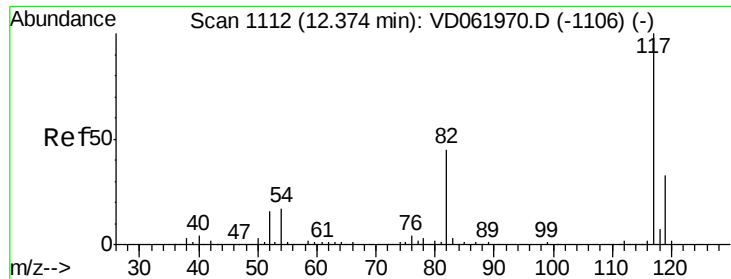


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





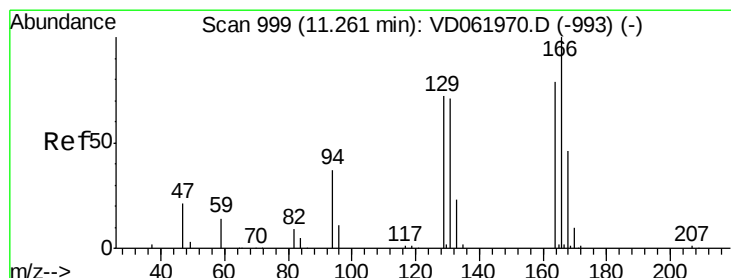
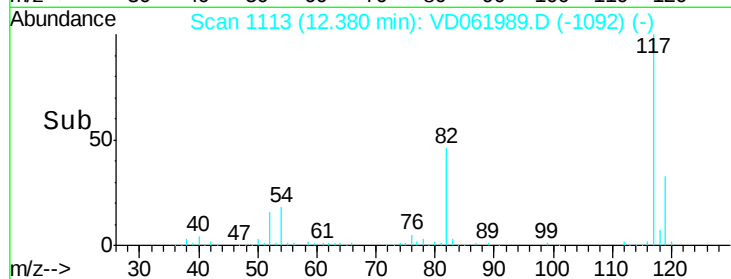
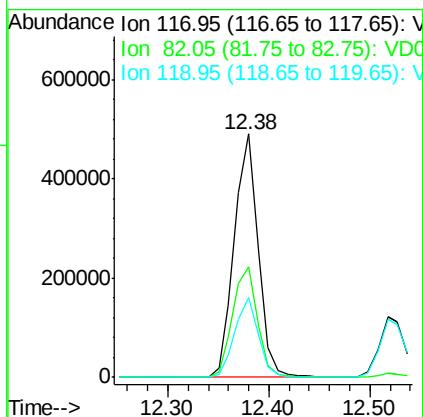
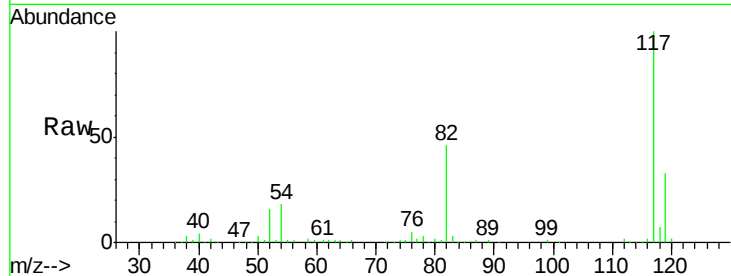
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	45.5	36.2	54.2
119	32.7	26.2	39.4

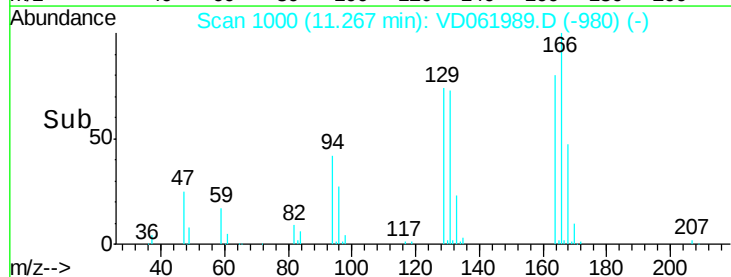
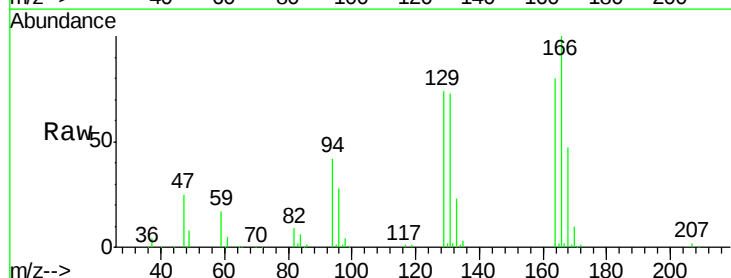
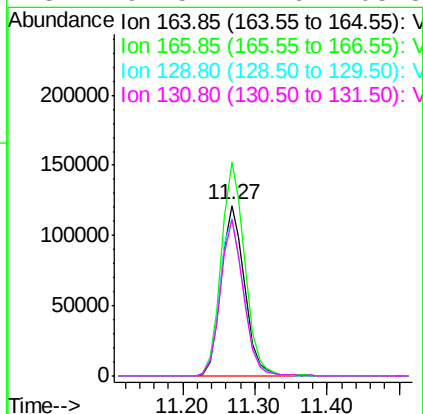
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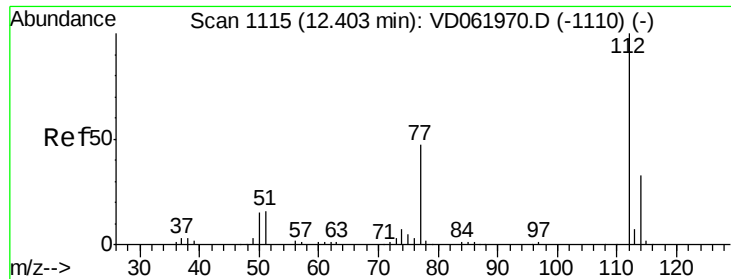
MMDadoda
4/25/2019 3:42:00 PM



#64
Tetrachloroethene
Concen: 47.424 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.5	152.3
129	92.4	74.6	112.0
131	91.5	72.6	108.8





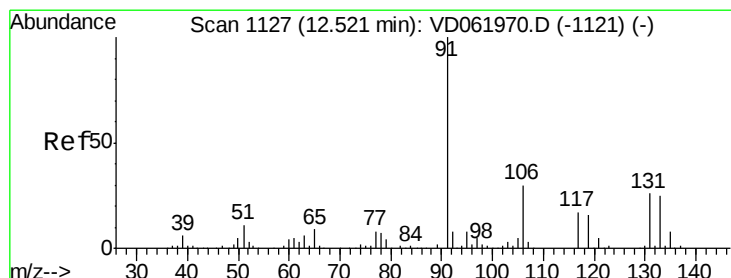
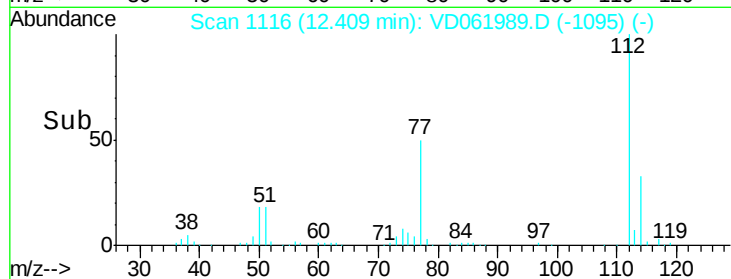
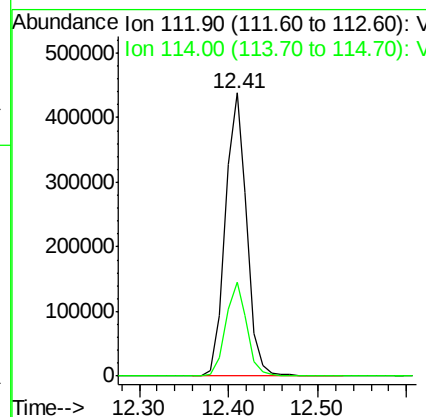
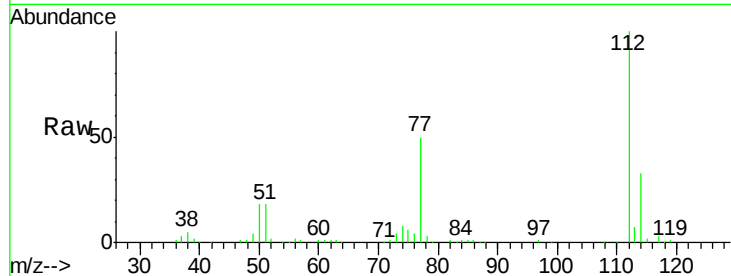
#65
Chlorobenzene
Concen: 48.450 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 737084
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8

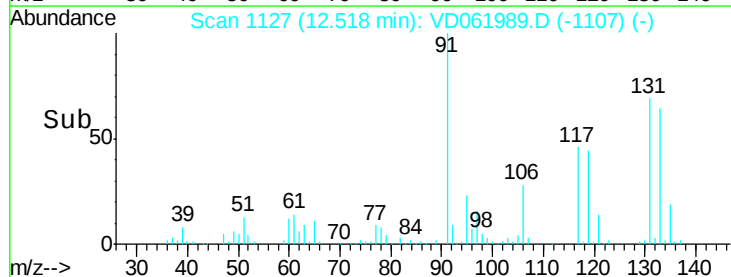
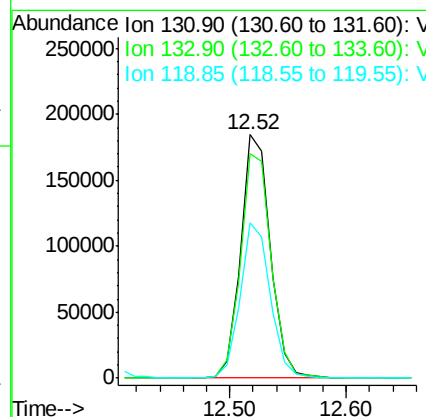
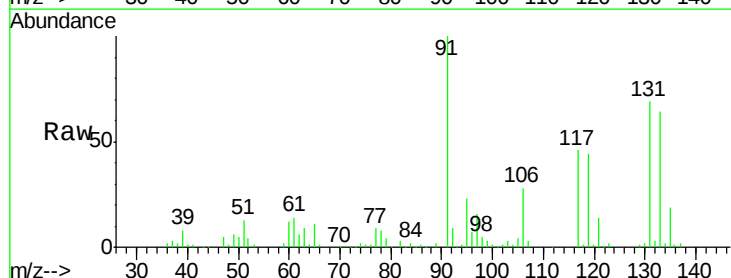
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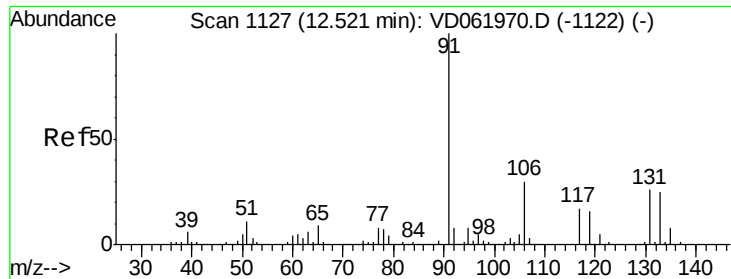
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.143 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion:131 Resp: 323583
Ion Ratio Lower Upper
131 100
133 92.3 48.6 145.8
119 63.8 34.7 104.1





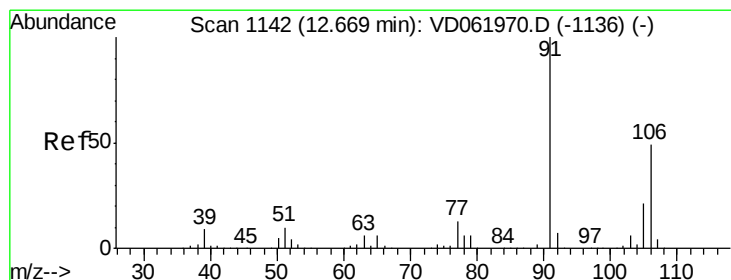
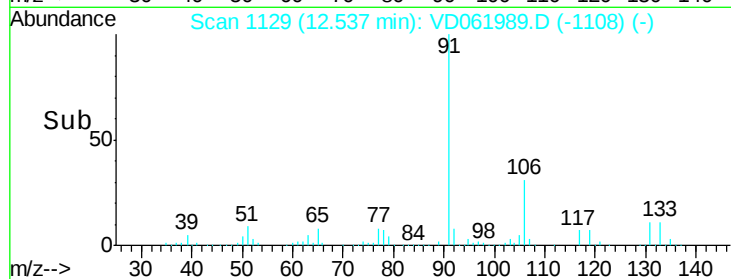
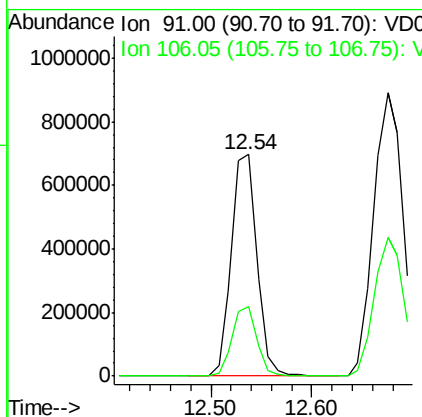
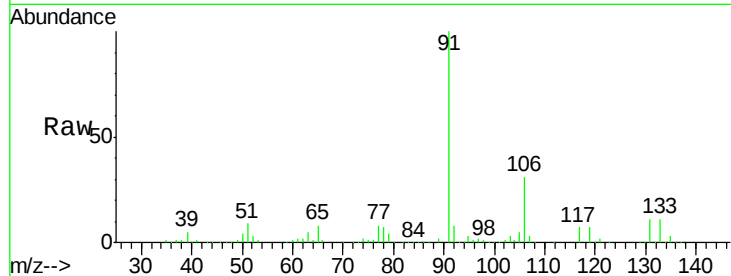
#67
Ethyl Benzene
Concen: 49.377 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1226086
Ion Ratio Lower Upper
91 100
106 31.5 24.7 37.1

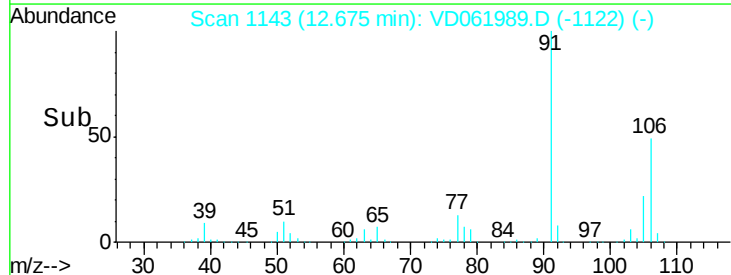
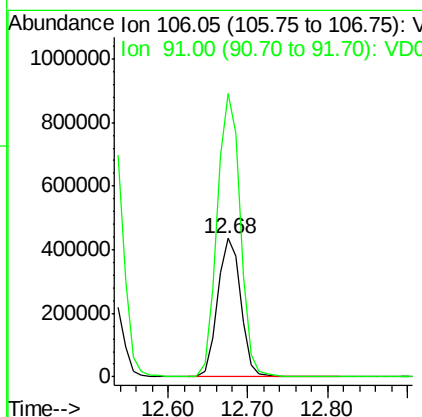
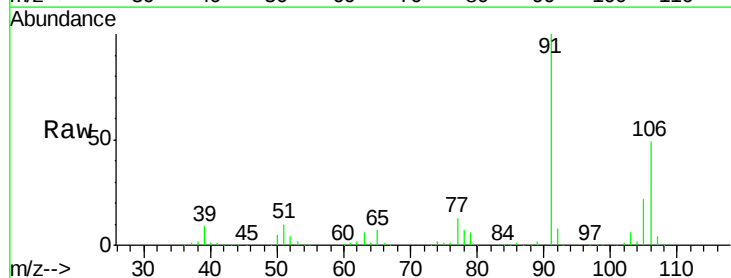
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#68
m/p-Xylenes
Concen: 99.591 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion: 106 Resp: 893786
Ion Ratio Lower Upper
106 100
91 204.5 164.0 246.0





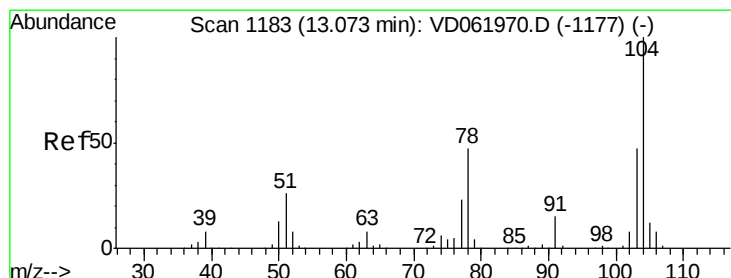
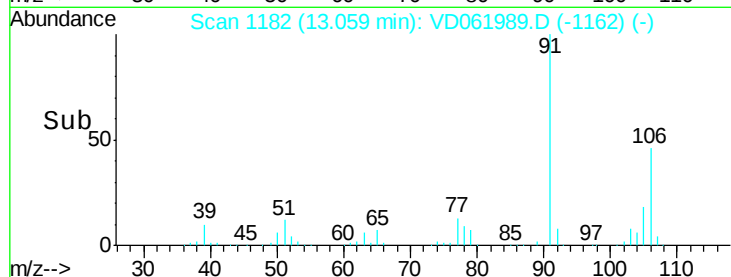
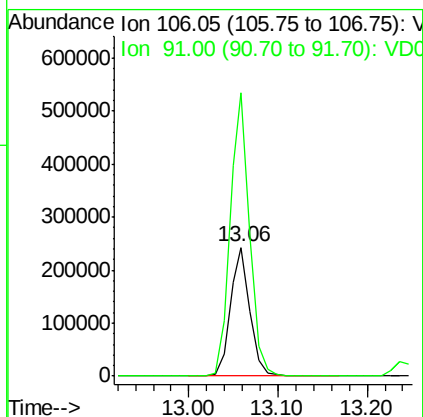
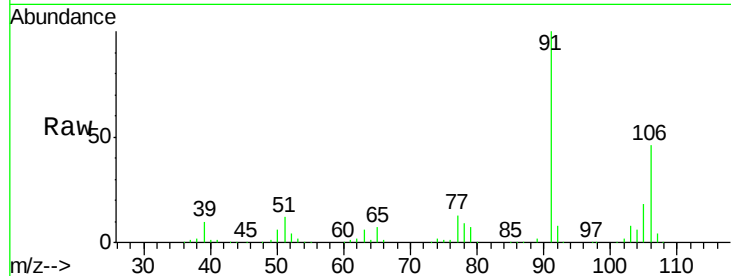
#69
o-Xylene
Concen: 45.344 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 372345
Ion Ratio Lower Upper
106 100
91 219.4 106.7 319.9

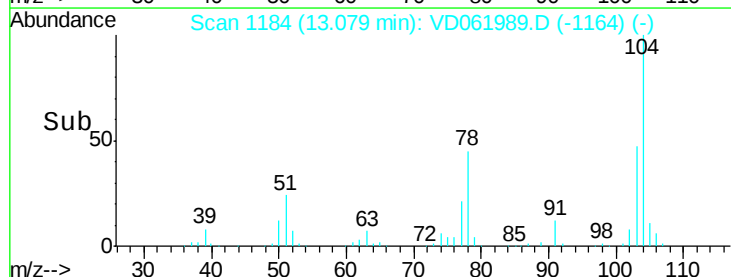
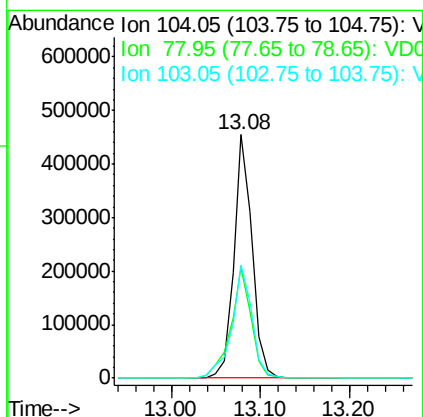
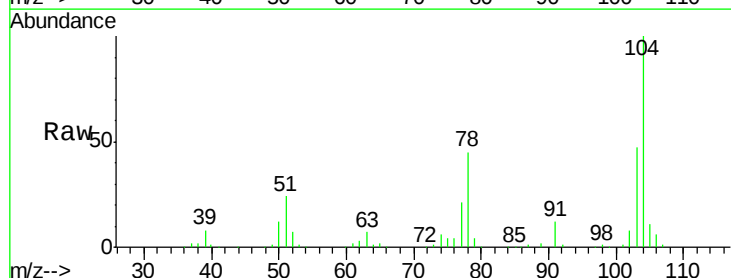
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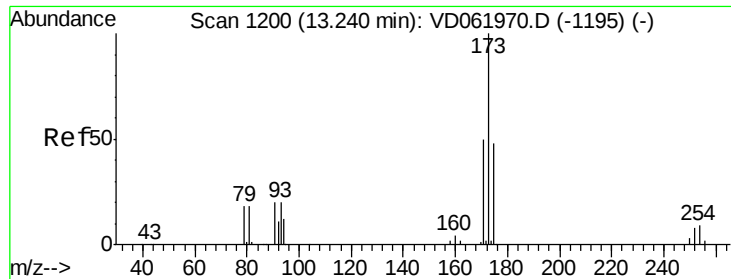
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#70
Styrene
Concen: 46.039 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion:104 Resp: 652771
Ion Ratio Lower Upper
104 100
78 45.3 35.4 53.2
103 46.6 37.5 56.3





#71

Bromoform

Concen: 50.923 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 187346

Ion Ratio Lower Upper

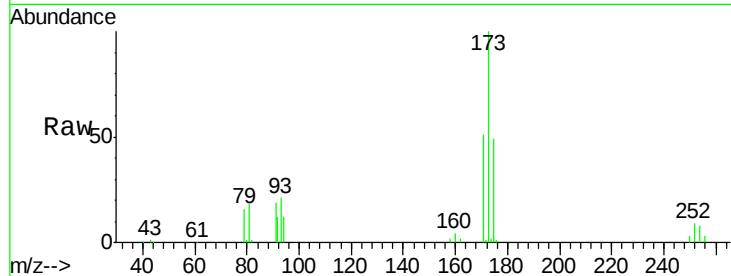
173 100

175 48.6 24.4 73.4

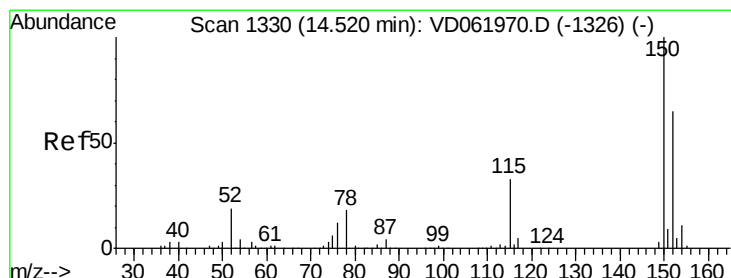
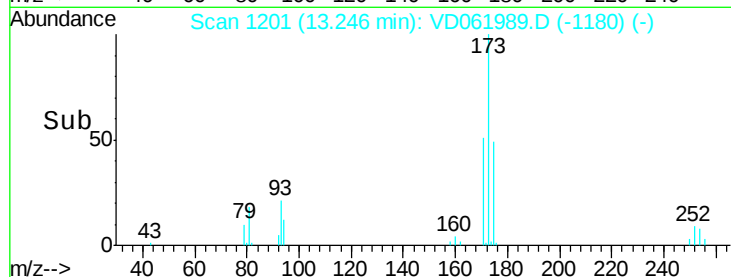
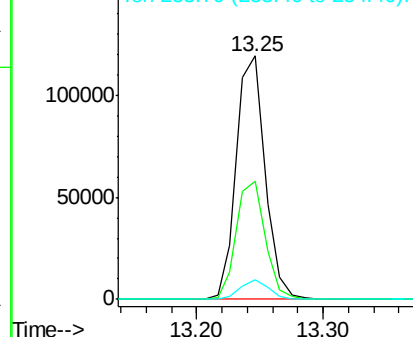
254 8.1 5.4 8.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

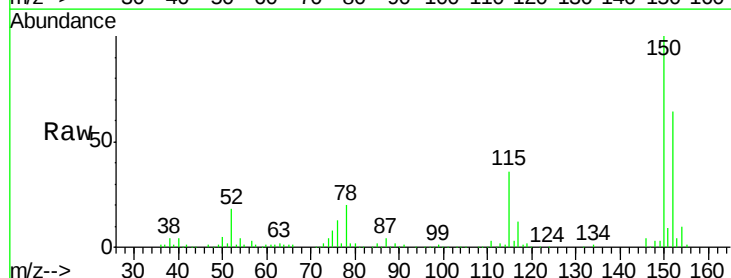
Tgt Ion:152 Resp: 396561

Ion Ratio Lower Upper

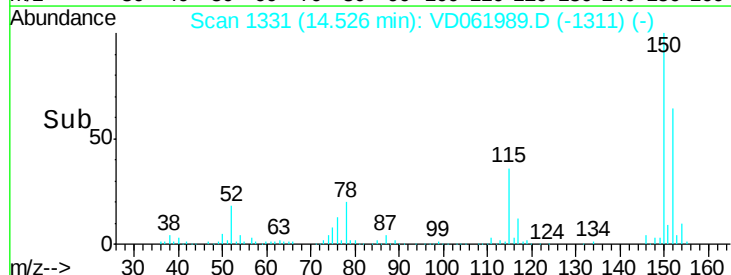
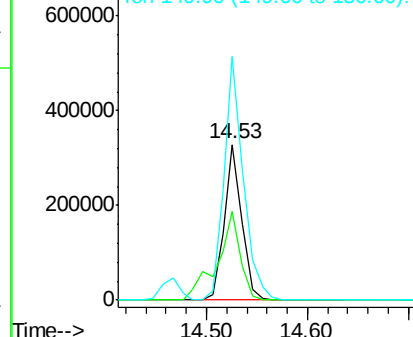
152 100

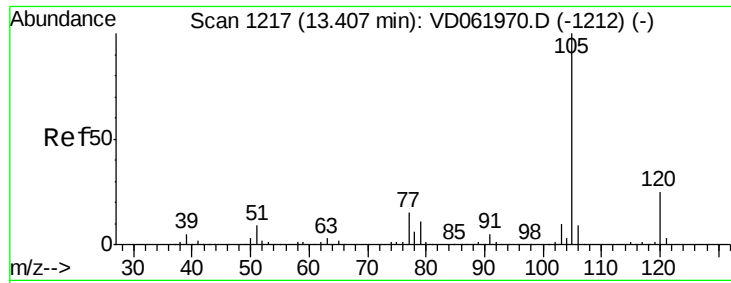
115 56.8 30.9 92.7

150 156.2 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.827 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1159371

Ion Ratio Lower Upper

105 100

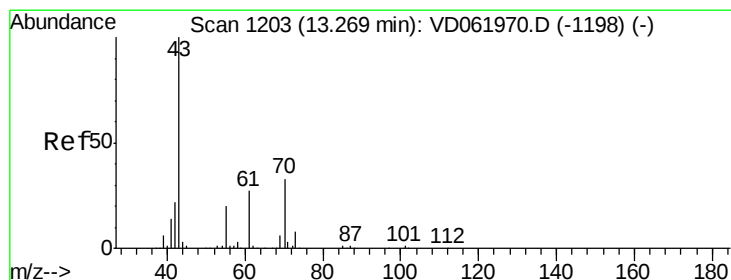
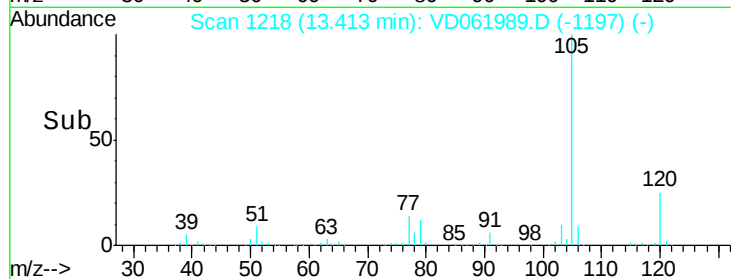
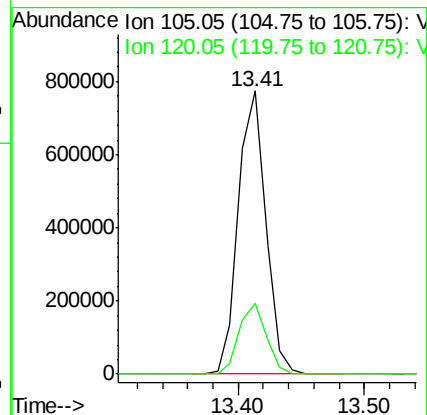
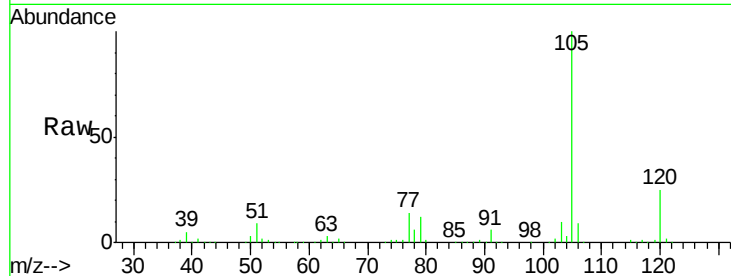
120 24.9 12.0 36.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 41.830 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tgt Ion: 43 Resp: 284972

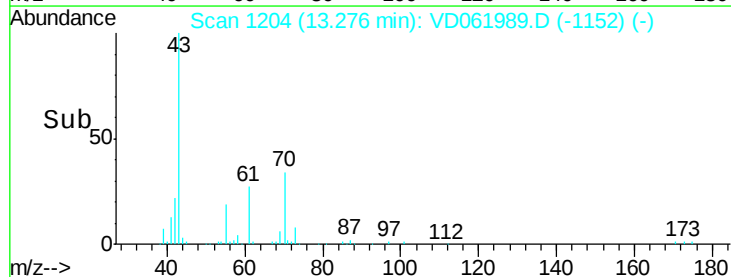
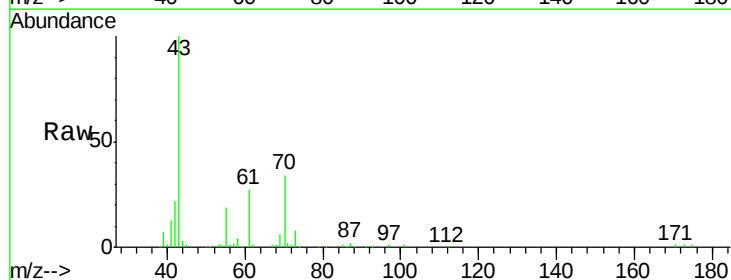
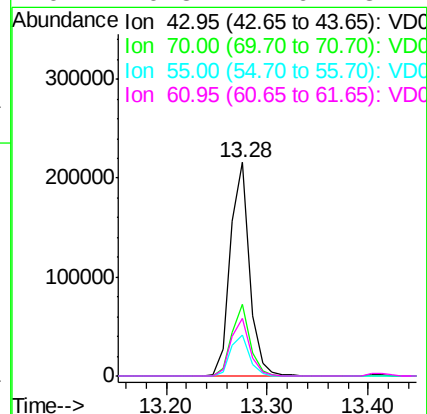
Ion Ratio Lower Upper

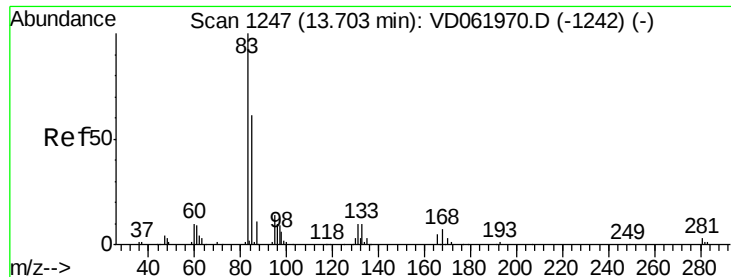
43 100

70 33.8 24.2 36.4

55 19.4 16.0 24.0

61 26.8 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 44.133 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

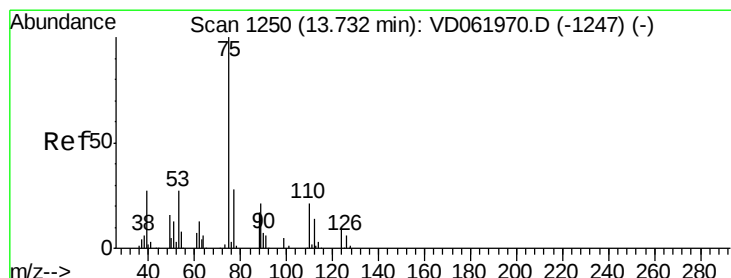
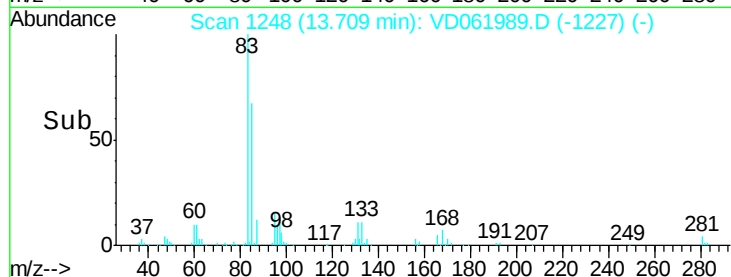
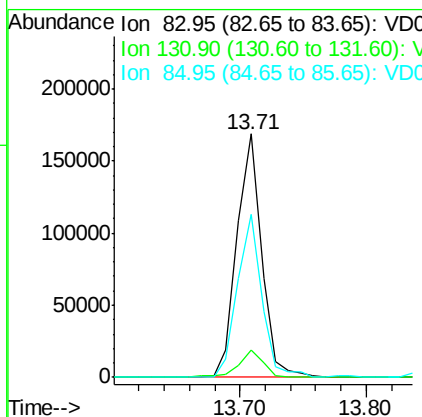
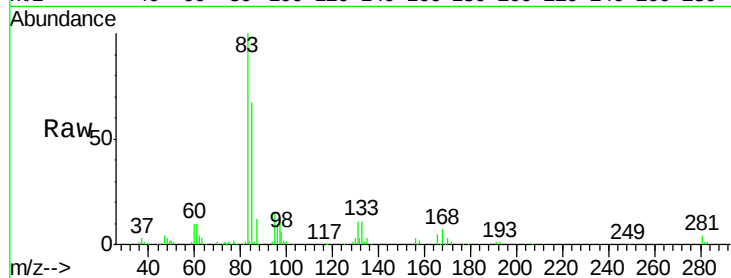
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	228782
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.0	14.9
85	67.0	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 49.782 ug/l

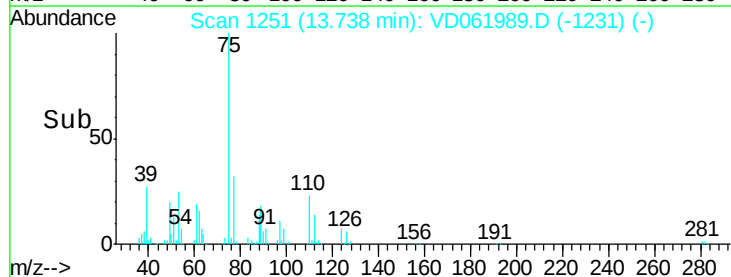
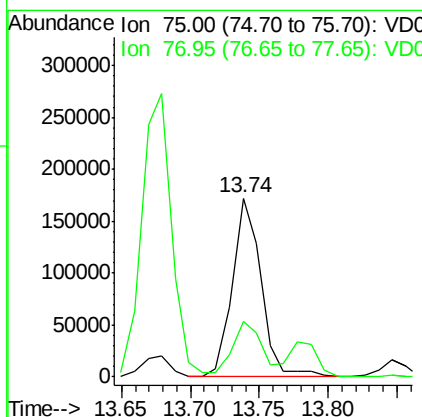
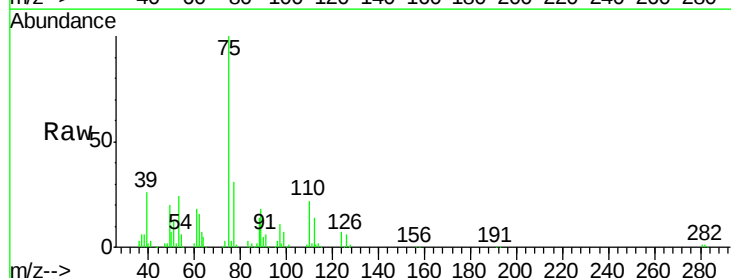
RT: 13.74 min Scan# 1251

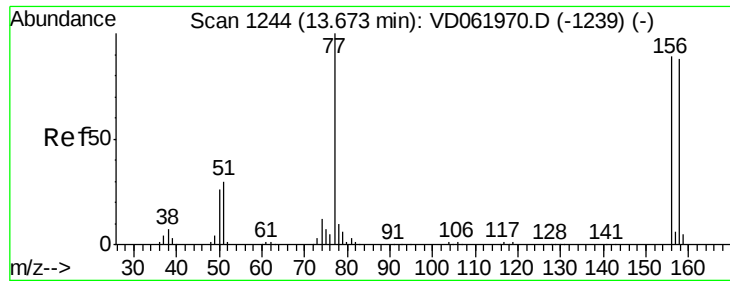
Delta R.T. 0.00 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tgt Ion:	75	Resp:	250688
Ion Ratio	Lower	Upper	
75	100		
77	31.0	16.4	49.4





#77

Bromobenzene

Concen: 44.449 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Instrument :

MSVOA_D

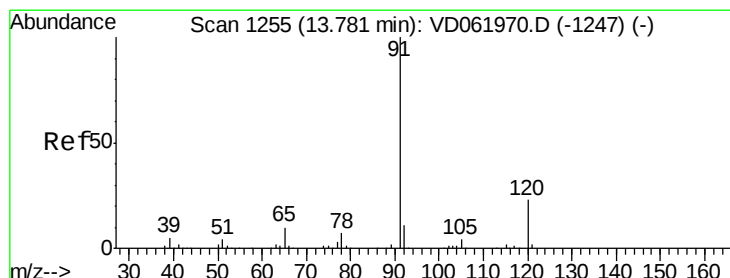
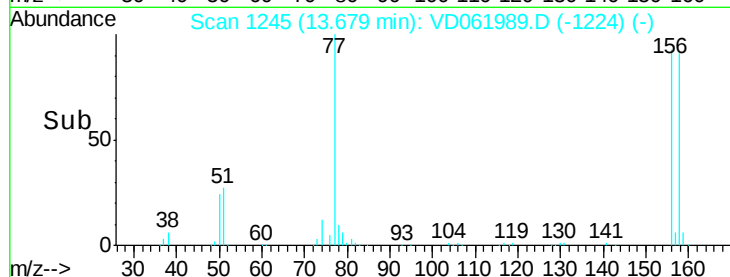
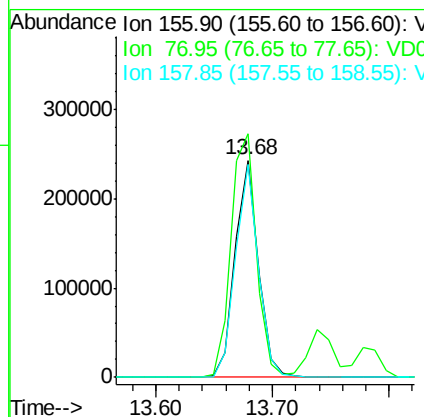
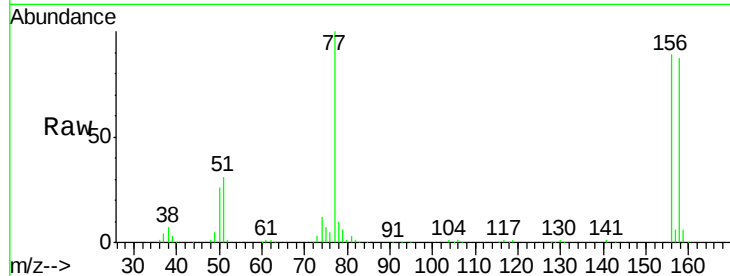
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	112.2	53.1	159.4		
158	98.0	49.4	148.0		

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#78

n-propylbenzene

Concen: 44.136 ug/l

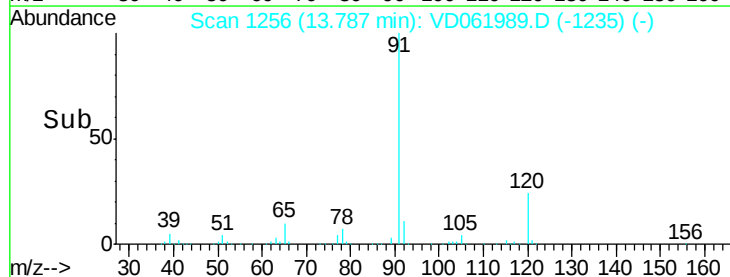
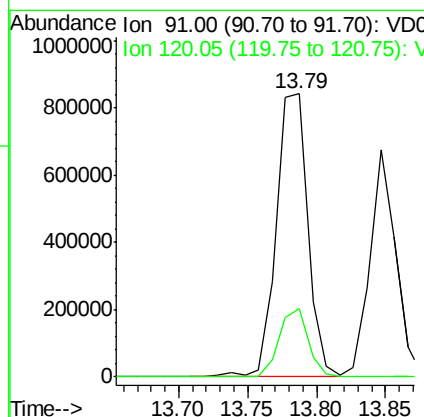
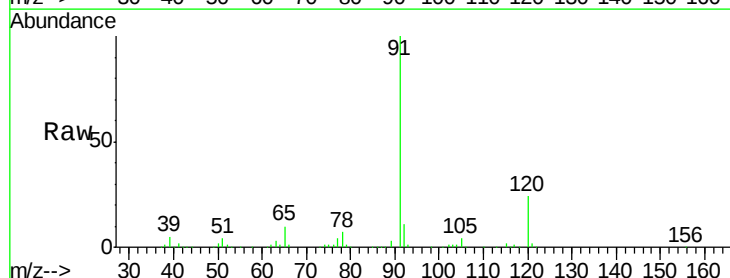
RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061989.D

Acq: 24 Apr 2019 10:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	24.0	11.1	33.1		





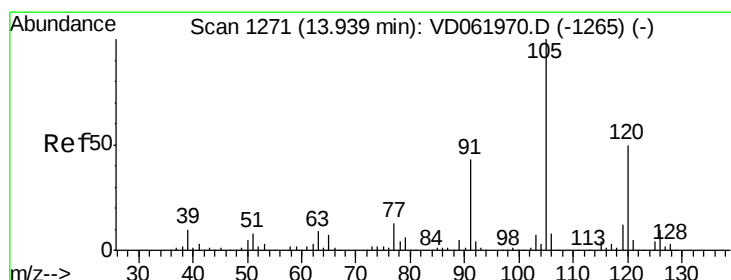
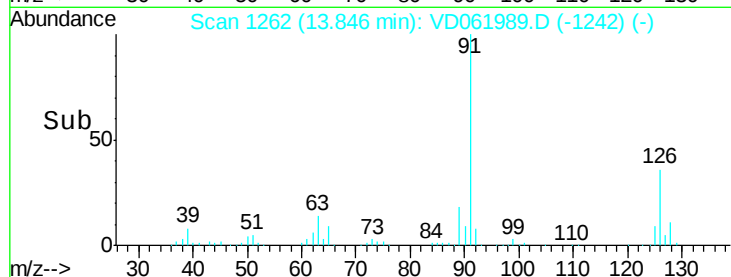
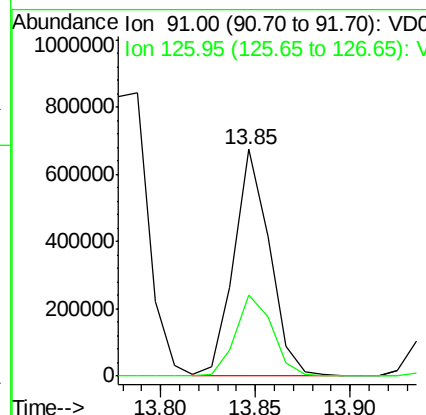
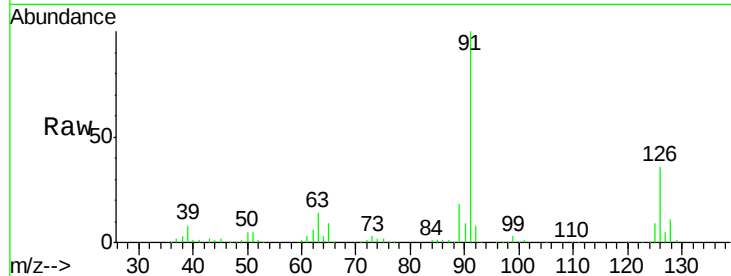
#79
 2-Chlorotoluene
 Concen: 47.639 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 873839
 Ion Ratio Lower Upper
 91 100
 126 35.7 18.6 55.8

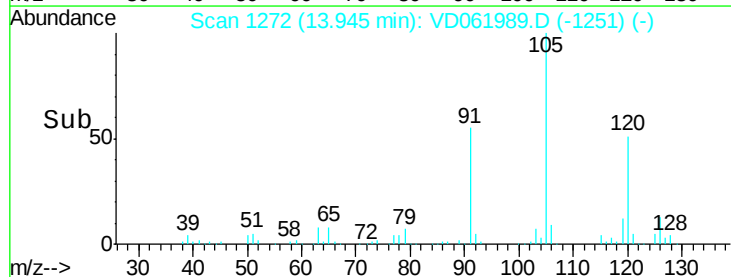
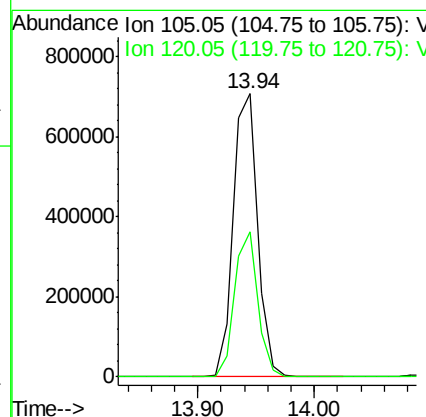
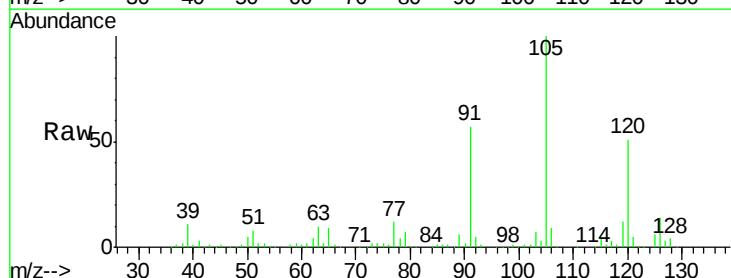
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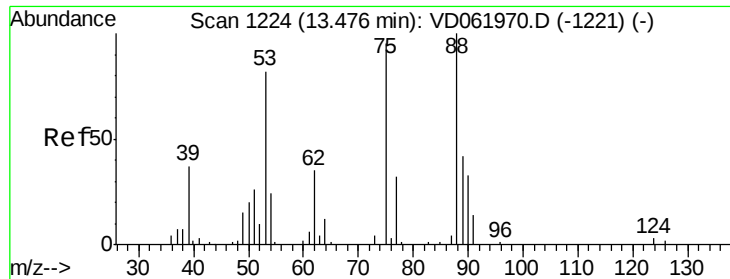
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.466 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion:105 Resp: 1022286
 Ion Ratio Lower Upper
 105 100
 120 51.2 24.0 72.0





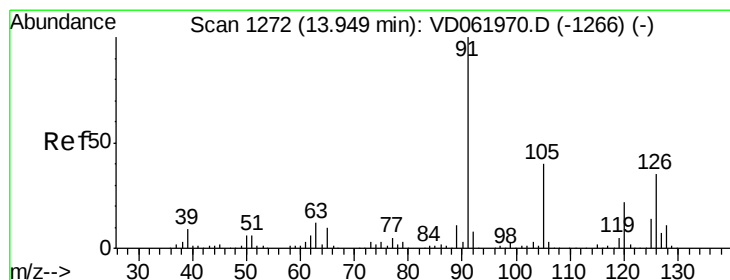
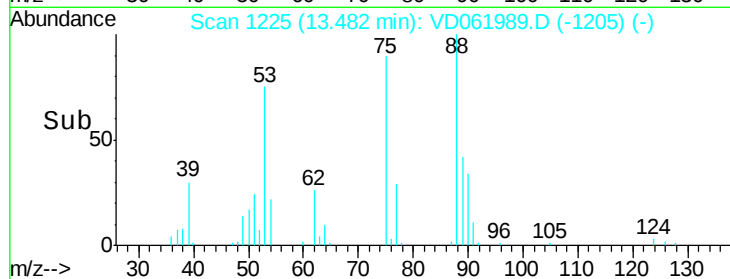
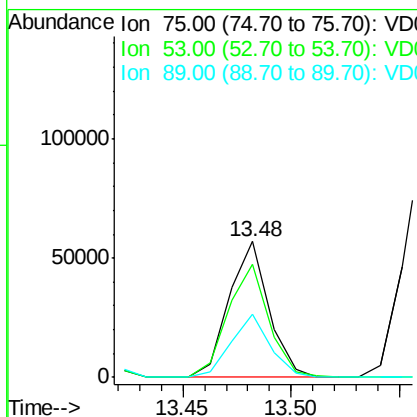
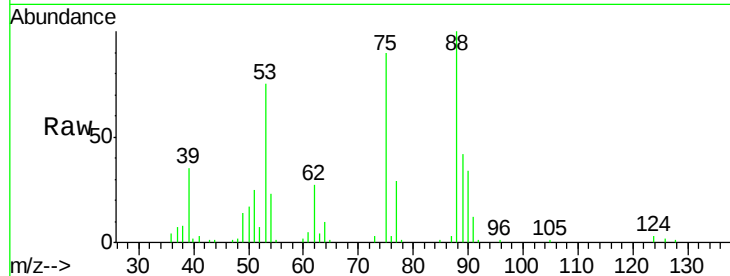
#81
trans-1,4-Dichloro-2-butene
Concen: 48.169 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.6	65.8	98.8
89	46.8	35.0	52.6

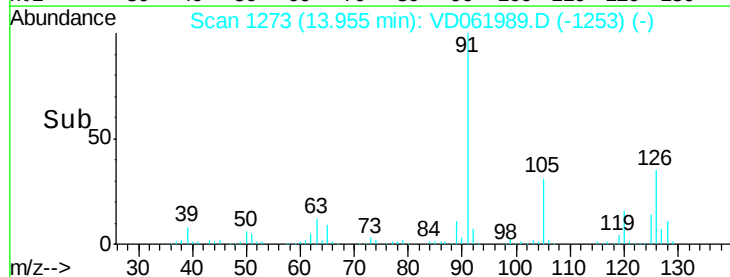
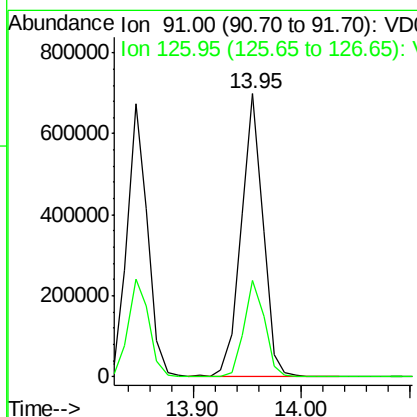
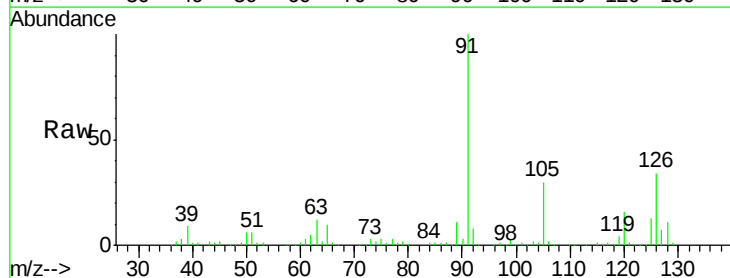
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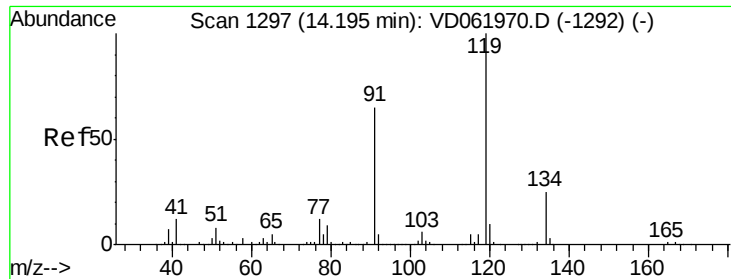
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#82
4-Chlorotoluene
Concen: 48.048 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	19.1	57.5





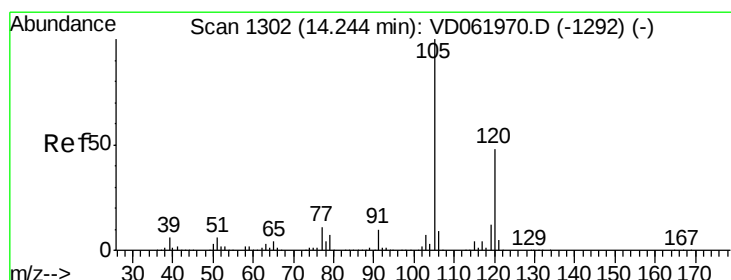
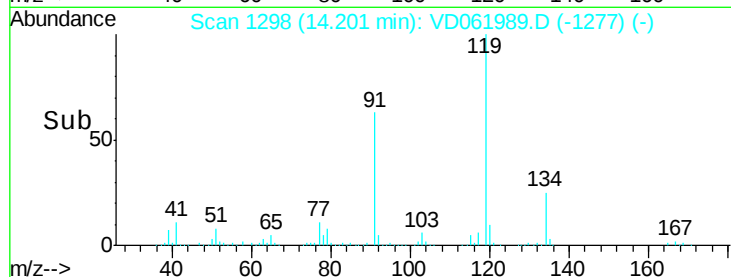
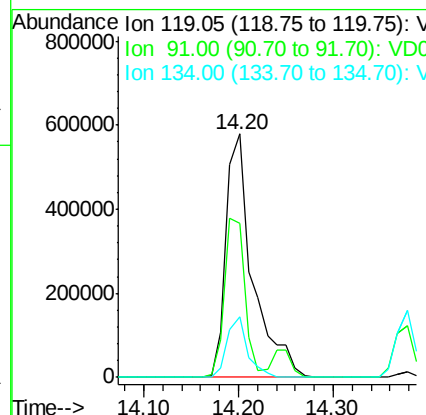
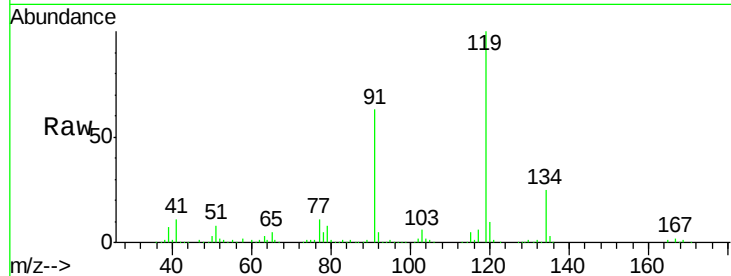
#83
tert-Butylbenzene
Concen: 46.420 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1134276
Ion Ratio Lower Upper
119 100
91 63.2 34.2 102.6
134 25.1 12.0 36.0

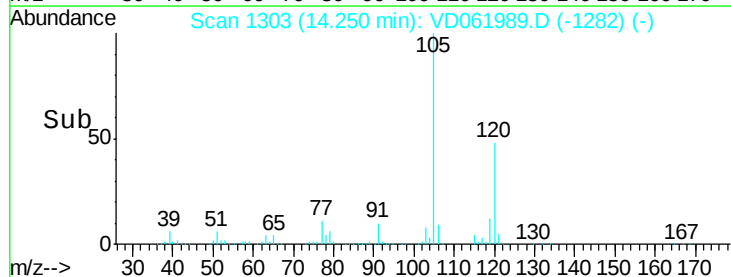
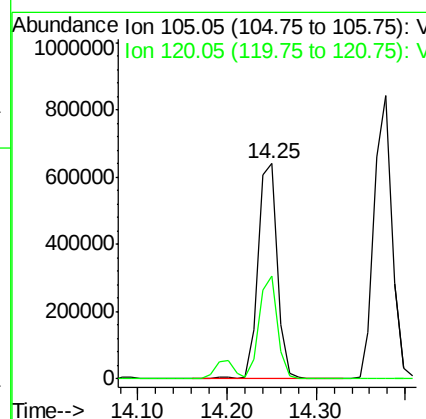
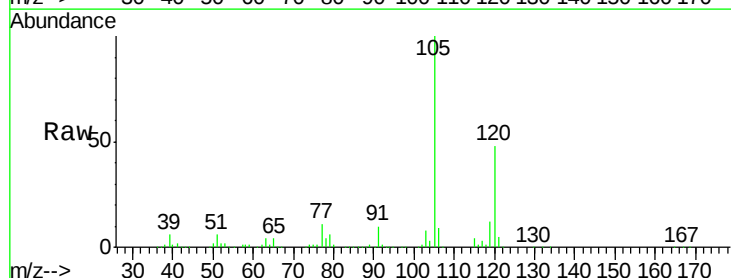
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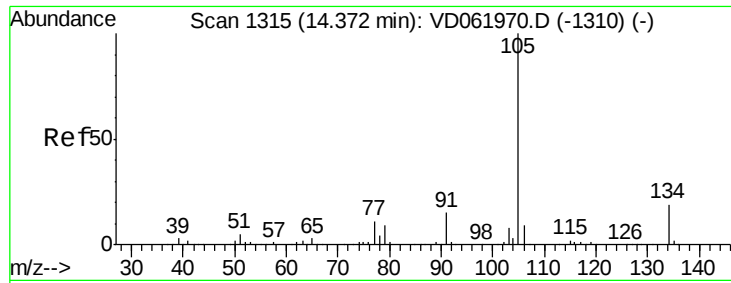
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#84
1,2,4-Trimethylbenzene
Concen: 46.659 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion:105 Resp: 939732
Ion Ratio Lower Upper
105 100
120 47.6 23.1 69.2





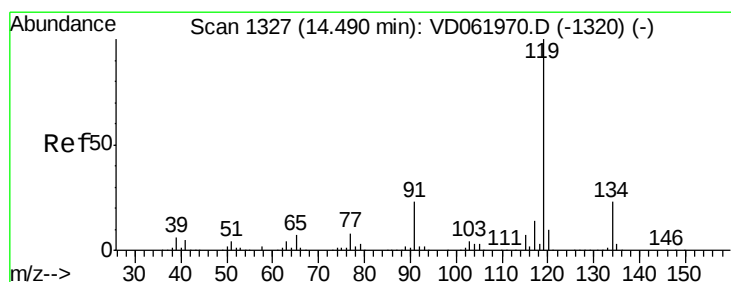
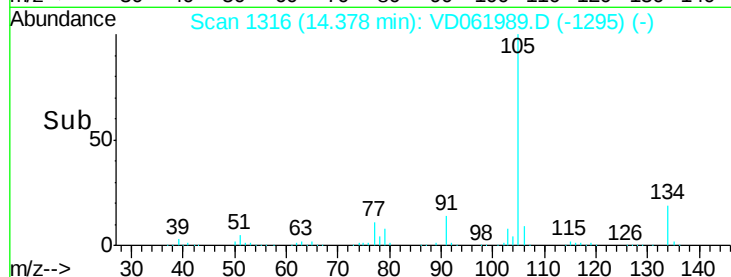
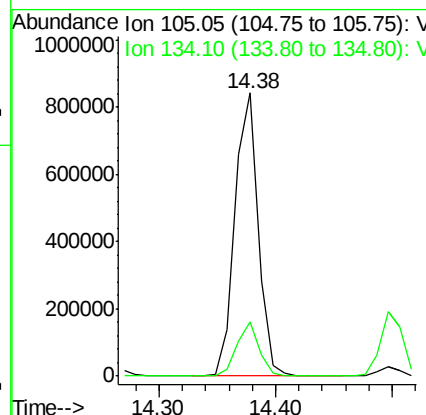
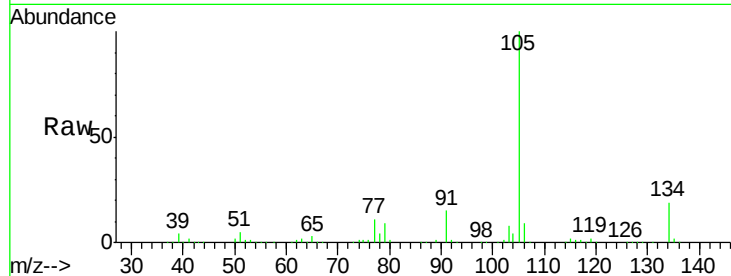
#85
 sec-Butylbenzene
 Concen: 44.119 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1164830
 Ion Ratio Lower Upper
 105 100
 134 19.1 8.9 26.7

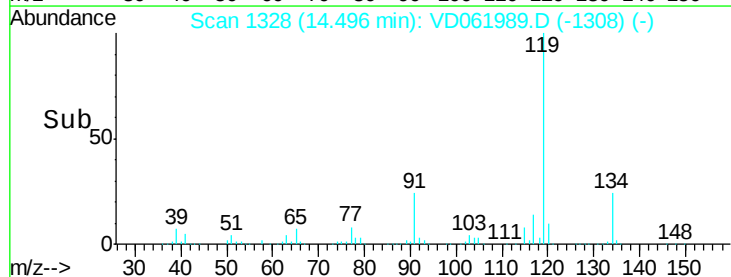
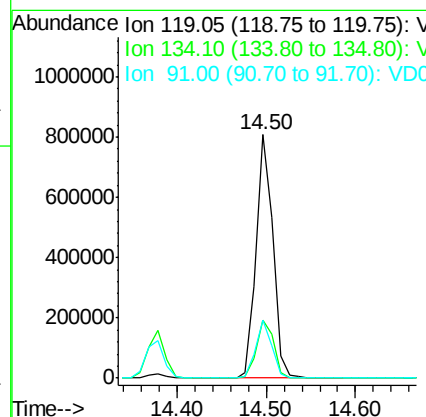
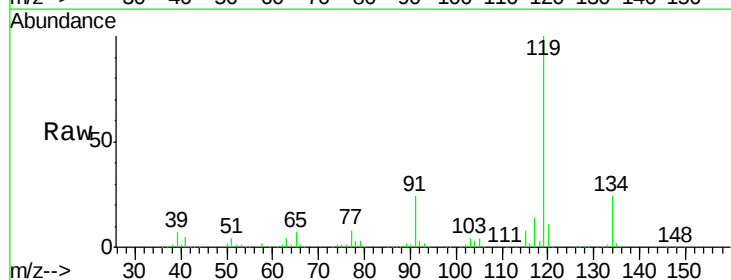
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#86
 p-Isopropyltoluene
 Concen: 44.008 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion:119 Resp: 1039871
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.8 38.3
 91 24.1 10.7 32.1





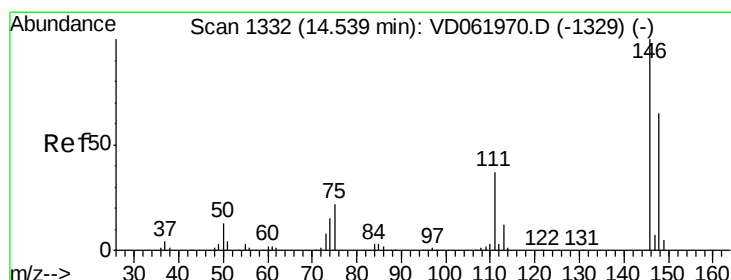
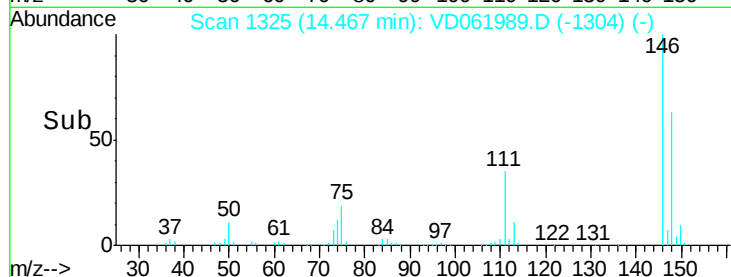
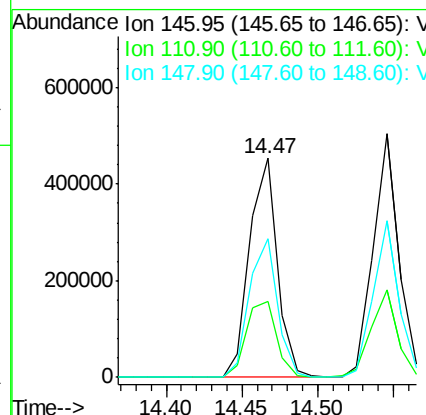
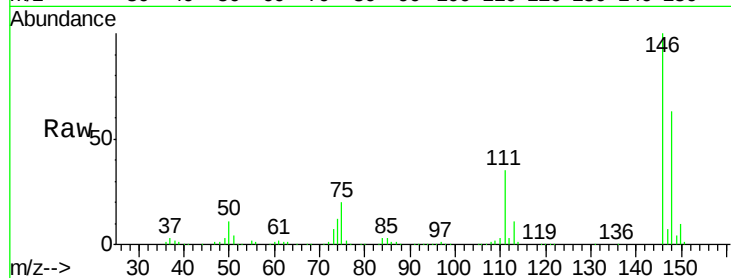
#87
 1,3-Dichlorobenzene
 Concen: 43.973 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.6	20.0	60.0
148	63.4	31.8	95.4

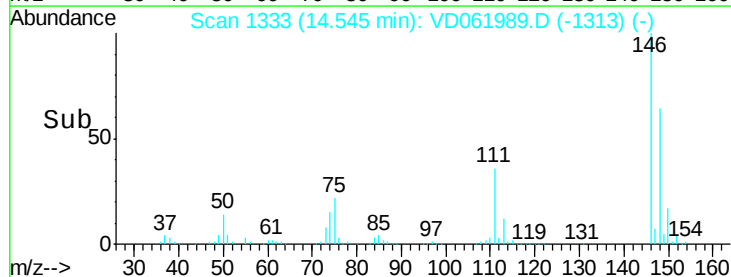
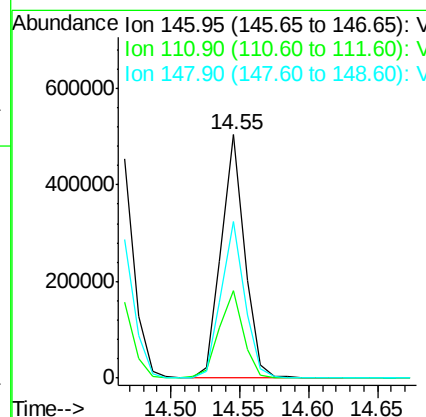
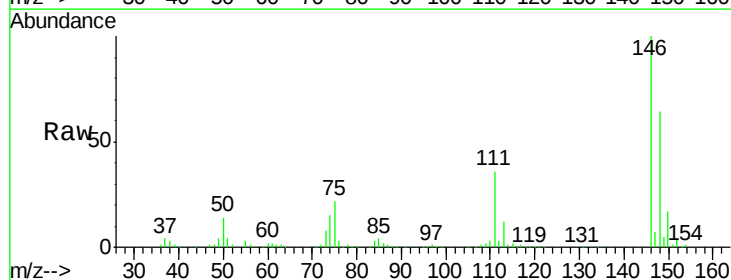
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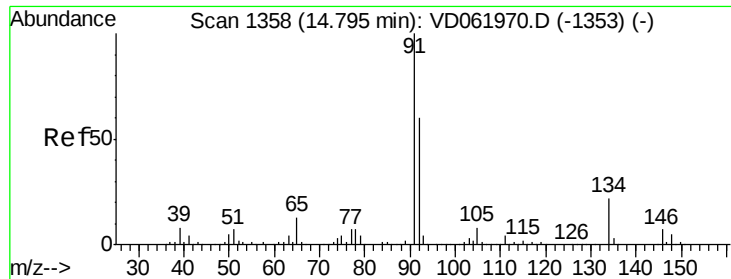
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#88
 1,4-Dichlorobenzene
 Concen: 47.648 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	20.2	60.5
148	64.3	32.0	96.2





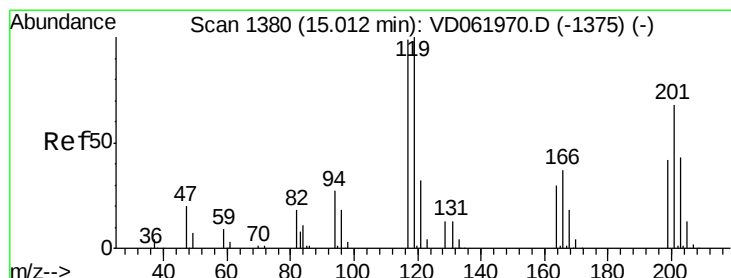
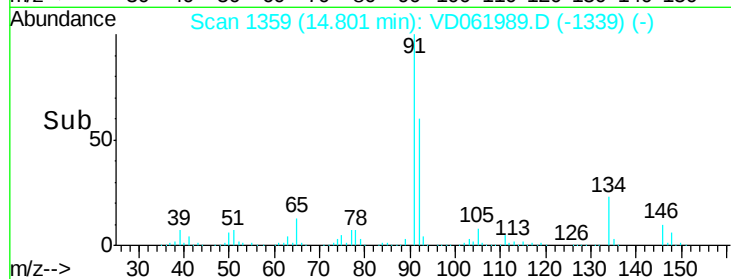
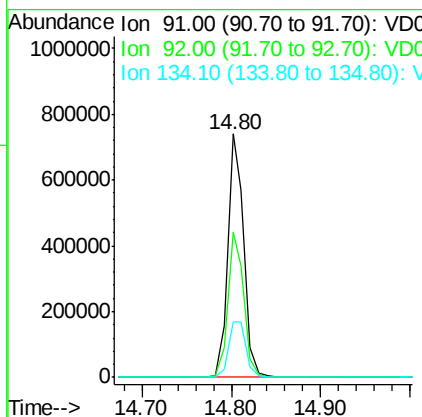
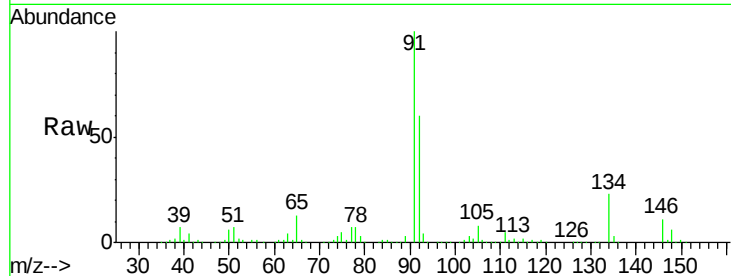
#89
n-Butylbenzene
Concen: 44.594 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.7	30.3	91.0
134	22.8	14.5	43.6

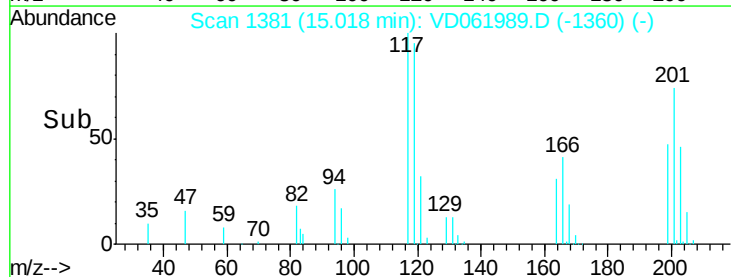
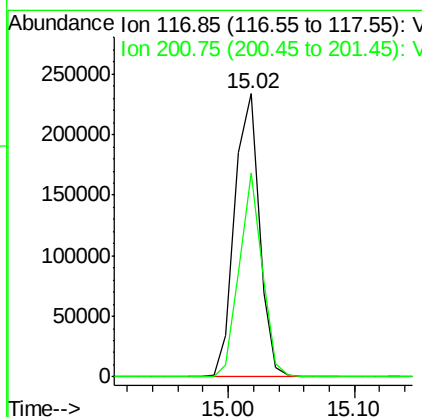
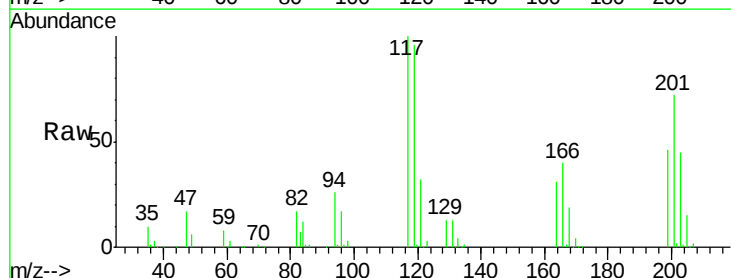
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#90
Hexachloroethane
Concen: 49.405 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.3	30.2	90.6





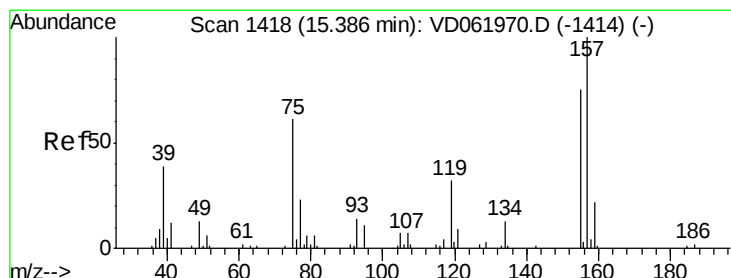
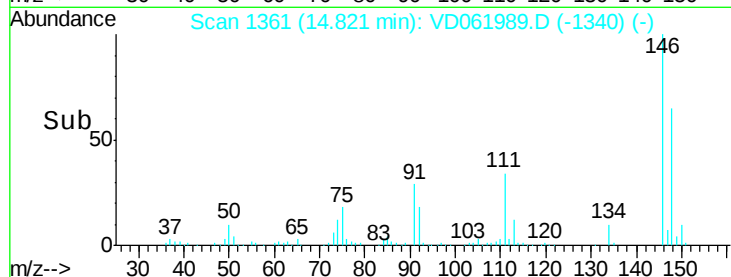
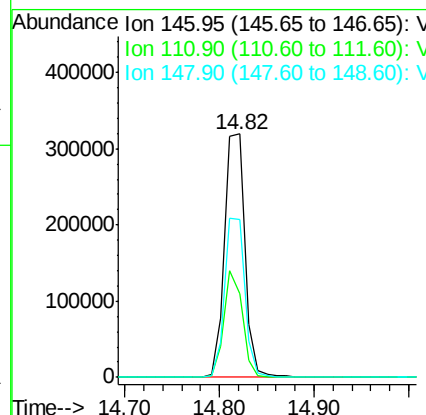
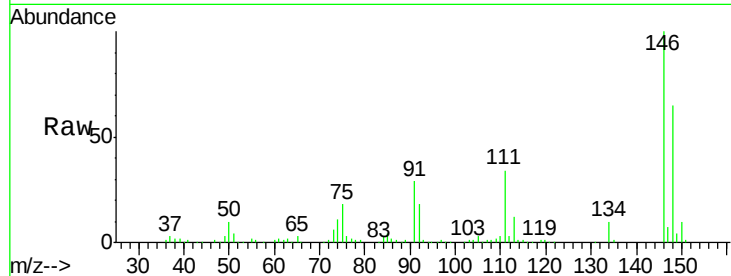
#91
 1,2-Dichlorobenzene
 Concen: 43.335 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.2	20.0	59.9
148	64.7	32.3	96.8

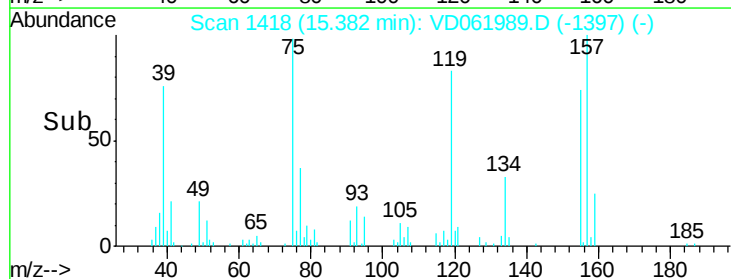
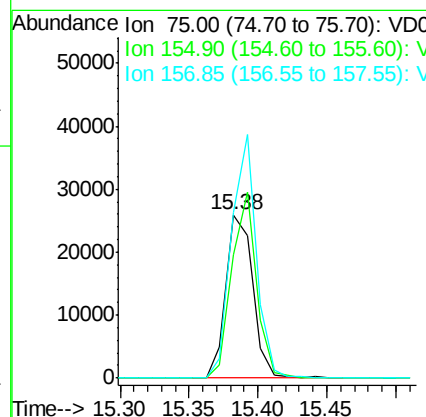
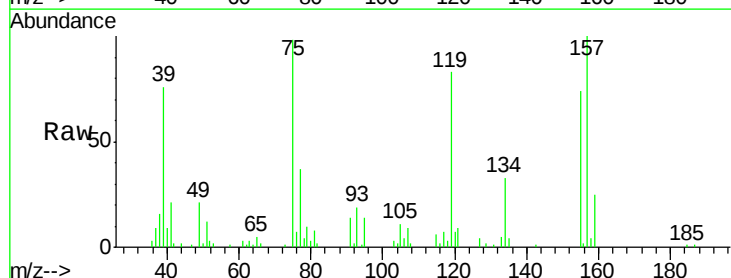
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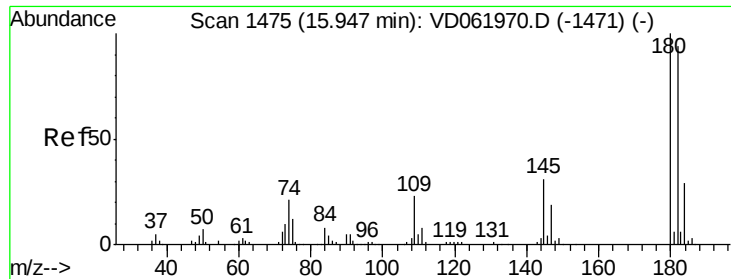
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.134 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	55.3	165.8
157	101.5	67.8	203.2





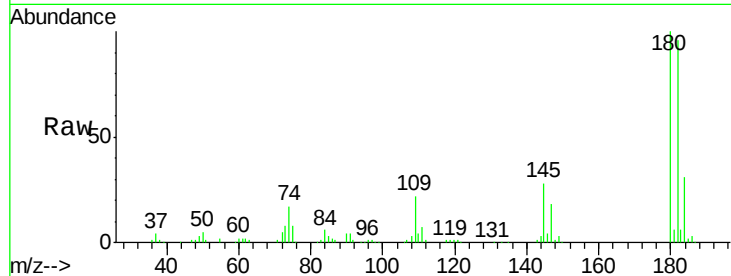
#93
 1,2,4-Trichlorobenzene
 Concen: 47.672 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

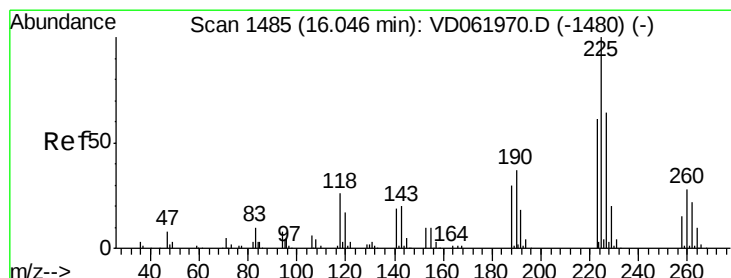
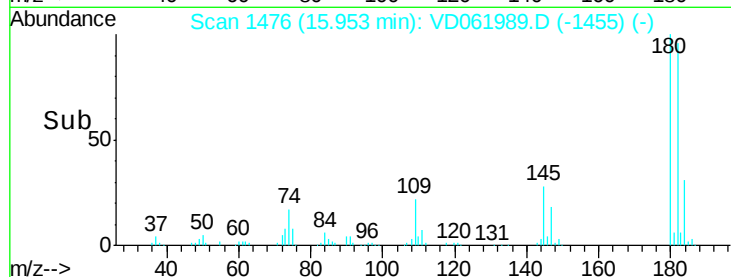
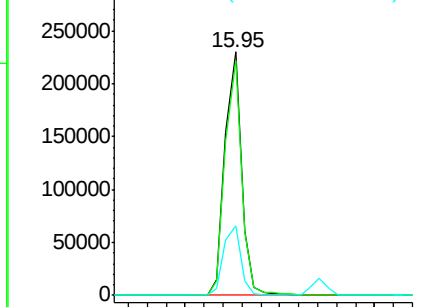
Tot Ion	Ratio	Resp	Lower	Upper
180	100	281964		
182	96.4	49.3	147.8	
145	28.4	16.2	48.6	

Manual Integrations
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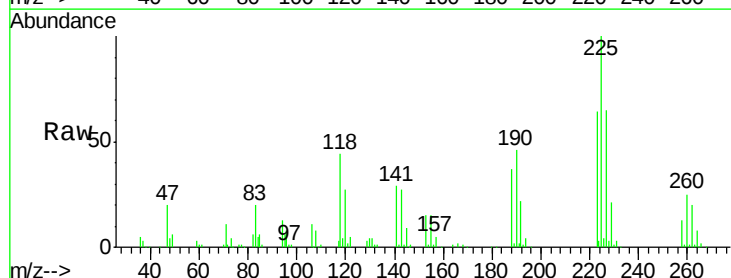


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

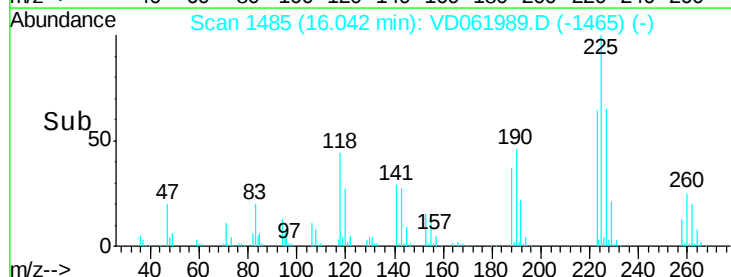
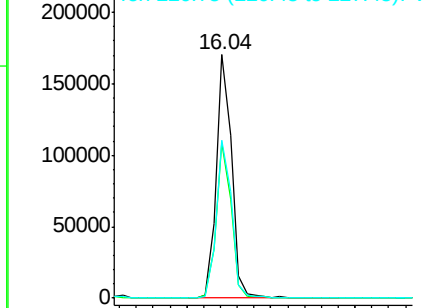


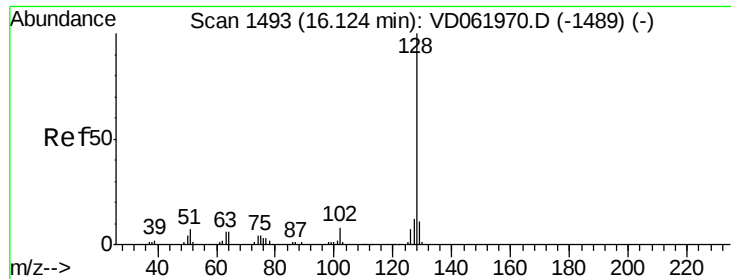
#94
 Hexachlorobutadiene
 Concen: 49.129 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061989.D
 Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	215039		
223	63.8	30.6	92.0	
227	64.9	32.0	96.2	



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





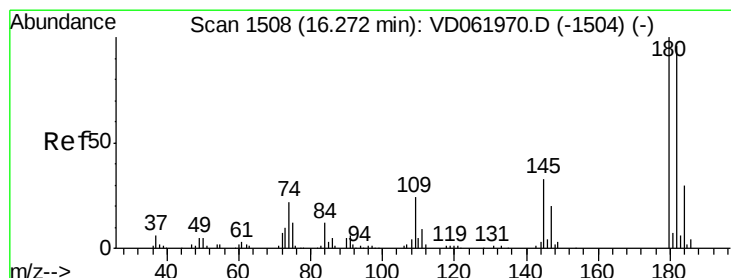
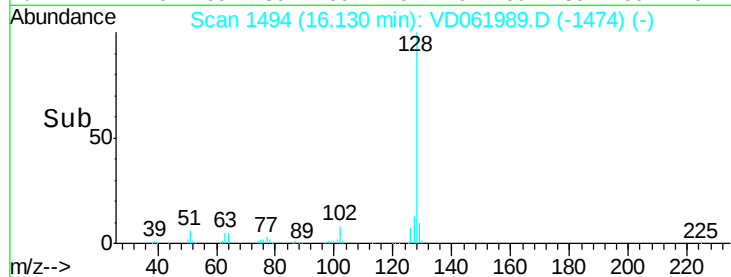
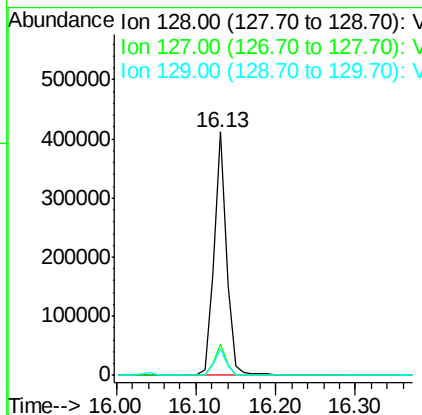
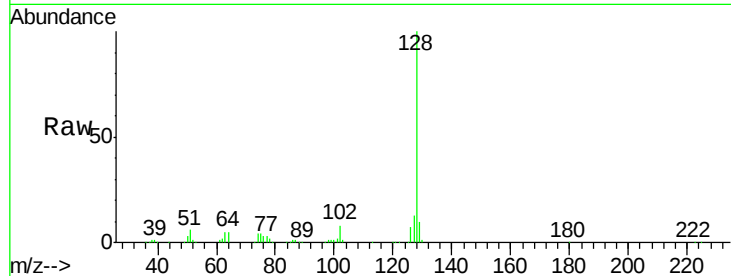
#95
Naphthalene
Concen: 48.021 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	458594		
127	12.6		9.8	14.8
129	10.4		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.820 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061989.D
Acq: 24 Apr 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	167190		
182	95.0		47.0	141.0
145	30.8		17.0	51.0

