

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122118\
 Data File : VD060679.D
 Acq On : 21 Dec 2018 13:02
 Operator : VA/AP
 Sample : VD1221SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:57:47 AM

Quant Time: Dec 21 13:59:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1288111	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.48	114	1735360	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.30	117	1443442	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	751865	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.82	65	499399	56.10	ug/l	0.03
Spiked Amount	50.000		Recovery	=	112.20%	
35) Dibromofluoromethane	6.35	113	723711	56.98	ug/l	0.03
Spiked Amount	50.000		Recovery	=	113.96%	
50) Toluene-d8	9.48	98	2096757	55.33	ug/l	0.03
Spiked Amount	50.000		Recovery	=	110.66%	
62) 4-Bromofluorobenzene	12.45	95	751818	56.64	ug/l	0.03
Spiked Amount	50.000		Recovery	=	113.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	300922	18.283	ug/l	100
3) Chloromethane	1.77	50	283157	18.693	ug/l	96
4) Vinyl Chloride	1.87	62	218676	18.183	ug/l	98
5) Bromomethane	2.16	94	31982	11.872	ug/l	83
6) Chloroethane	2.27	64	64202	17.889	ug/l	98
7) Trichlorofluoromethane	2.53	101	254926	19.058	ug/l	99
8) Diethyl Ether	2.85	74	43833	19.586	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.12	101	162179	18.691	ug/l	95
10) Methyl Iodide	3.27	142	167849	18.407	ug/l	99
11) Tert butyl alcohol	4.01	59	34978	94.021	ug/l #	92
12) 1,1-Dichloroethene	3.10	96	132647	18.606	ug/l	95
13) Acrolein	3.01	56	44793	118.153	ug/l	95
14) Allyl chloride	3.56	41	248555	19.000	ug/l	94
15) Acrylonitrile	4.12	53	221464	102.537	ug/l	97
16) Acetone	3.19	43	144869	93.189	ug/l	98
17) Carbon Disulfide	3.34	76	416481	18.292	ug/l	98
18) Methyl Acetate	3.59	43	73785	19.151	ug/l	95
19) Methyl tert-butyl Ether	4.16	73	367041	20.292	ug/l	96
20) Methylene Chloride	3.75	84	318848	19.750	ug/l	98
21) trans-1,2-Dichloroethene	4.13	96	284026	19.453	ug/l	94
22) Diisopropyl ether	4.89	45	889414	20.024	ug/l	100
23) Vinyl Acetate	4.84	43	2186782	101.763	ug/l	99
24) 1,1-Dichloroethane	4.79	63	453895	19.428	ug/l	99
25) 2-Butanone	5.66	43	297806	100.110	ug/l	100
26) 2,2-Dichloropropane	5.63	77	357667	19.394	ug/l	99
27) cis-1,2-Dichloroethene	5.63	96	300834	20.297	ug/l	96
28) Bromochloromethane	5.96	49	181527	18.392	ug/l	97
29) Tetrahydrofuran	5.99	42	169893	100.743	ug/l	99
30) Chloroform	6.14	83	467484	19.886	ug/l	99
31) Cyclohexane	6.40	56	437150	19.443	ug/l	99
32) 1,1,1-Trichloroethane	6.32	97	380268	19.552	ug/l	98
36) 1,1-Dichloropropene	6.55	75	356456	19.948	ug/l	98
37) Ethyl Acetate	5.73	43	161067	21.552	ug/l	96
38) Carbon Tetrachloride	6.53	117	320239	20.314	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.08	83	409527	20.094	ug/l	99
40) Benzene	6.83	78	952560	20.637	ug/l	98
41) Methacrylonitrile	5.95	41	70354m	17.019	ug/l	
42) 1,2-Dichloroethane	6.93	62	234818	20.500	ug/l	98
43) Isopropyl Acetate	8.38	43	188062	19.609	ug/l #	100
44) Trichloroethene	7.77	130	281811	20.628	ug/l	98
45) 1,2-Dichloropropane	8.14	63	230977	20.405	ug/l	97
46) Dibromomethane	8.25	93	133101	20.602	ug/l	95
47) Bromodichloromethane	8.52	83	309035	20.196	ug/l	97
48) Methyl methacrylate	8.27	41	115356	19.804	ug/l	96
49) 1,4-Dioxane	8.26	88	22355	412.759	ug/l #	86
51) 4-Methyl-2-Pentanone	9.38	43	610566	103.911	ug/l	98
52) Toluene	9.58	92	585959	20.250	ug/l	100
53) t-1,3-Dichloropropene	9.95	75	259569	20.333	ug/l	97
54) cis-1,3-Dichloropropene	9.13	75	330344	19.770	ug/l	97
55) 1,1,2-Trichloroethane	10.21	97	156731	20.131	ug/l	98
56) Ethyl methacrylate	10.06	69	147902	20.453	ug/l	96
57) 1,3-Dichloropropane	10.41	76	258589	20.955	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.95	63	463818	108.854	ug/l	96
59) 2-Hexanone	10.52	43	437158	106.290	ug/l	98
60) Dibromochloromethane	10.66	129	208801	21.055	ug/l	100
61) 1,2-Dibromoethane	10.78	107	167492	20.741	ug/l	97
64) Tetrachloroethene	10.28	164	257261	19.664	ug/l	97
65) Chlorobenzene	11.33	112	633739	19.872	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.44	131	210288	20.508	ug/l	98
67) Ethyl Benzene	11.45	91	1103122	20.198	ug/l	97
68) m/p-Xylenes	11.59	106	821730	41.169	ug/l	97
69) o-Xylene	11.95	106	392059	20.704	ug/l	93
70) Styrene	11.97	104	619726	20.320	ug/l	96
71) Bromoform	12.14	173	135115	19.962	ug/l #	98
73) Isopropylbenzene	12.30	105	1089918	20.360	ug/l	99
74) N-amyl acetate	12.15	43	247868	19.619	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	184768	21.294	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	173708	20.293	ug/l	100
77) Bromobenzene	12.56	156	290848	20.579	ug/l	93
78) n-propylbenzene	12.65	91	1358830	19.855	ug/l	95
79) 2-Chlorotoluene	12.72	91	764943	20.868	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	849077	20.541	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	45228	19.121	ug/l	94
82) 4-Chlorotoluene	12.83	91	864080	20.798	ug/l	92
83) tert-Butylbenzene	13.07	119	947328	20.137	ug/l	95
84) 1,2,4-Trimethylbenzene	13.12	105	860132	20.203	ug/l	96
85) sec-Butylbenzene	13.24	105	1191970	20.776	ug/l	95
86) p-Isopropyltoluene	13.36	119	950090	20.515	ug/l	99
87) 1,3-Dichlorobenzene	13.33	146	540984	20.852	ug/l	99
88) 1,4-Dichlorobenzene	13.41	146	526316	20.587	ug/l	98
89) n-Butylbenzene	13.67	91	1003367	21.202	ug/l	98
90) Hexachloroethane	13.87	117	224379	19.722	ug/l	82
91) 1,2-Dichlorobenzene	13.68	146	453540	21.792	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	20828	20.432	ug/l	67

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QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	343150	20.721	ug/l	98
94) Hexachlorobutadiene	14.90	225	257094	21.003	ug/l	99
95) Naphthalene	14.98	128	400221	20.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	277999	21.474	ug/l	98

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

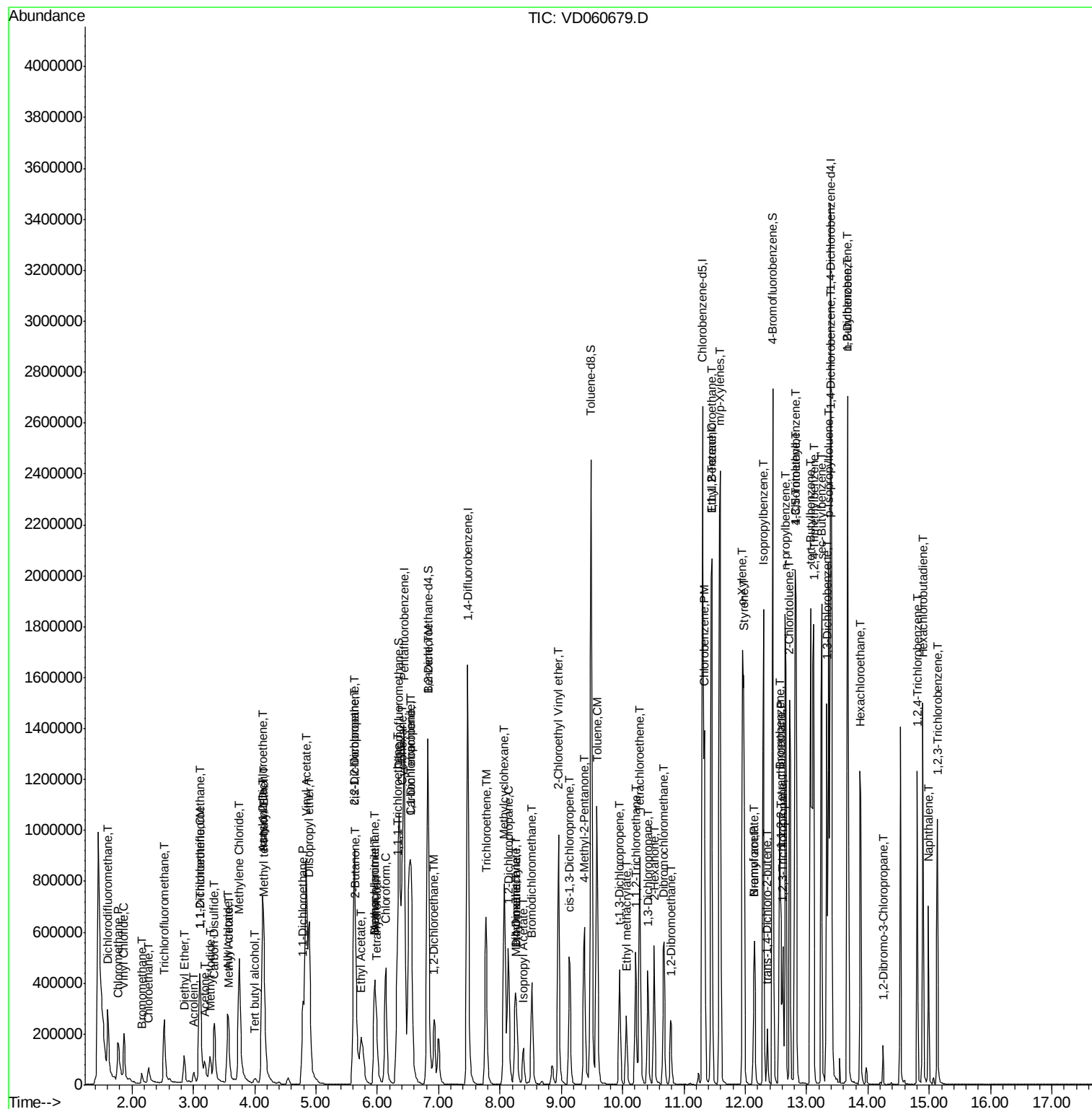
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122118\
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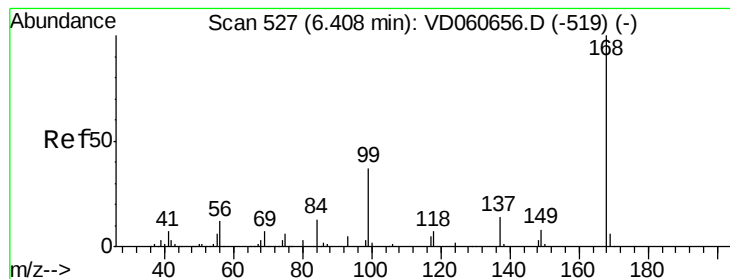
Instrument :
MSVOA_D
Client Sample ID :
VD1221SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.04 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

Tgt Ion:168 Resp: 1288111

Ion Ratio Lower Upper

168 100

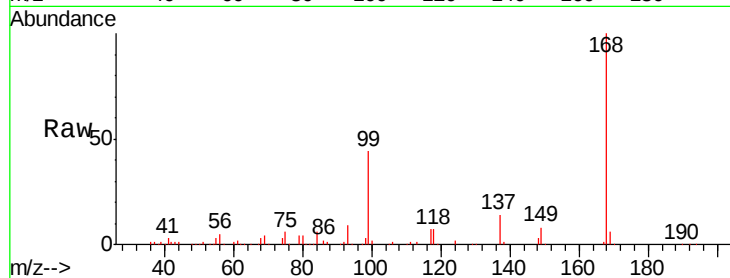
99 44.3 38.7 58.1

Manual Integrations

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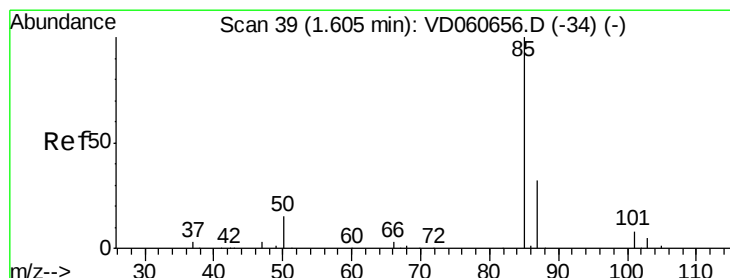
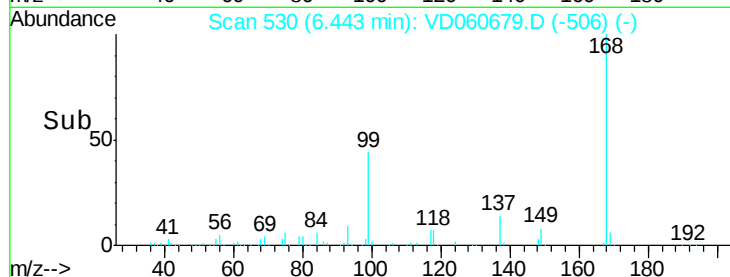
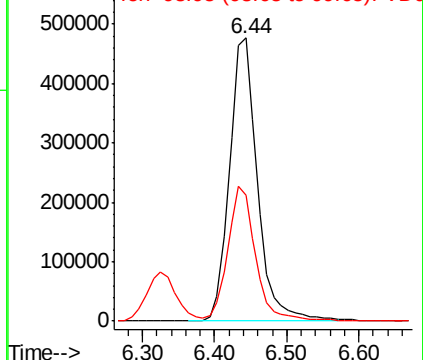
MMDadoda

12/26/2018 10:57:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.283 ug/l

RT: 1.60 min Scan# 38

Delta R.T. -0.00 min

Lab File: VD060679.D

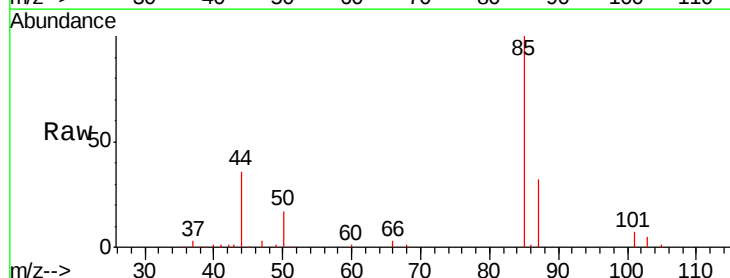
Acq: 21 Dec 2018 13:02

Tgt Ion: 85 Resp: 300922

Ion Ratio Lower Upper

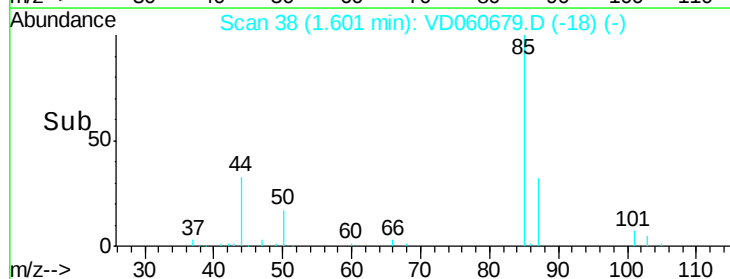
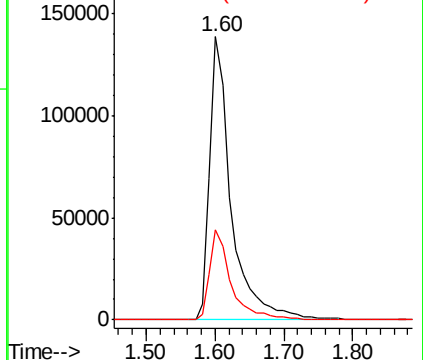
85 100

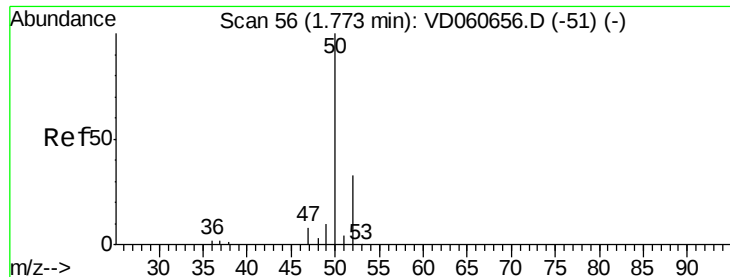
87 31.7 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.693 ug/l

RT: 1.77 min Scan# 55

Delta R.T. -0.00 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

Tgt Ion: 50 Resp: 283157

Ion Ratio Lower Upper

50 100

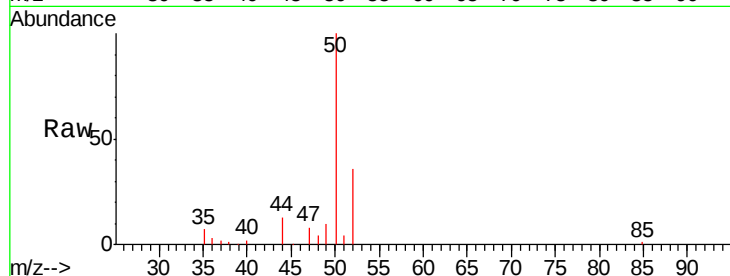
52 35.5 26.6 39.8

Manual Integrations

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12/26/2018 10:57:47 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

100000

80000

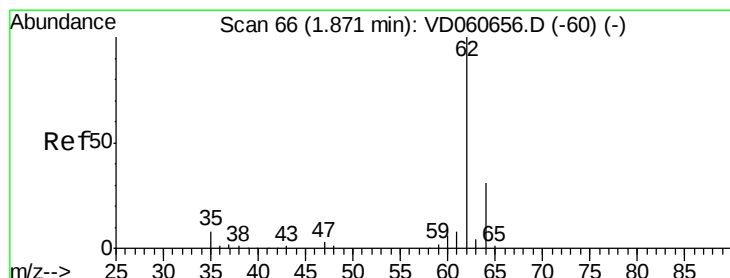
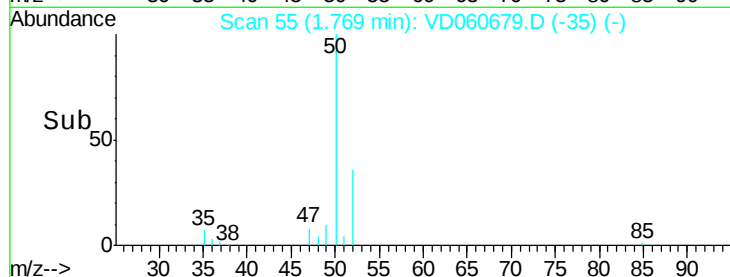
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 18.183 ug/l

RT: 1.87 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060679.D

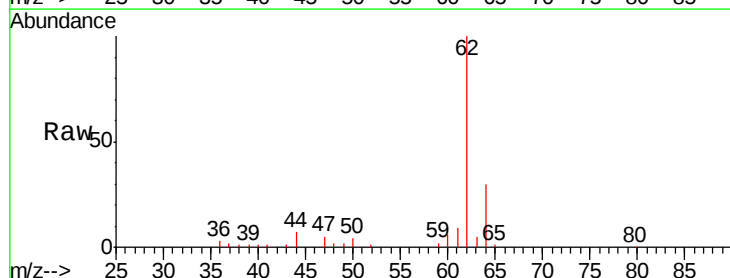
Acq: 21 Dec 2018 13:02

Tgt Ion: 62 Resp: 218676

Ion Ratio Lower Upper

62 100

64 30.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

120000

100000

80000

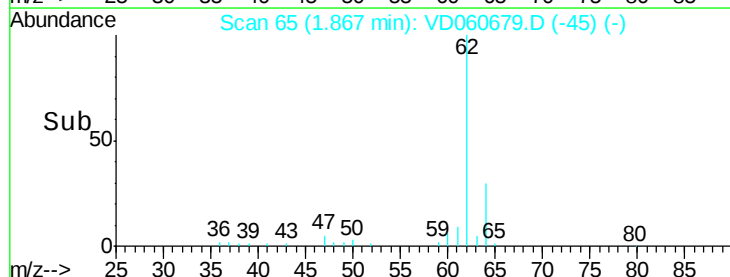
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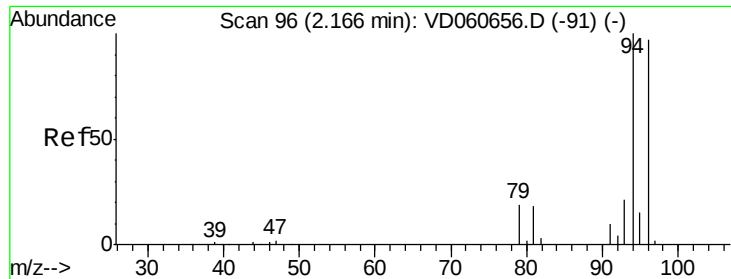
40000

20000

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Time-->





#5

Bromomethane

Concen: 11.872 ug/l

RT: 2.16 min Scan# 95

Delta R.T. -0.00 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

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MSVOA_D

ClientSampleId :

VD1221SBS01

Tgt Ion: 94 Resp: 31982

Ion Ratio Lower Upper

94 100

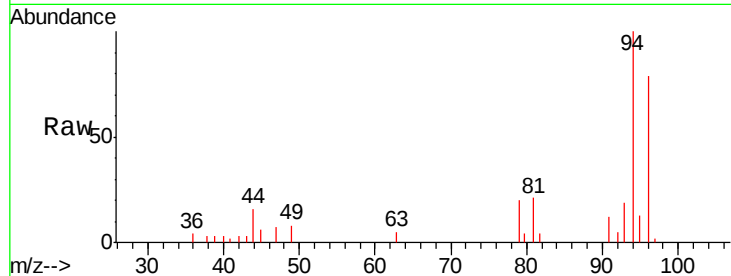
96 79.4 77.2 115.8

Manual Integrations

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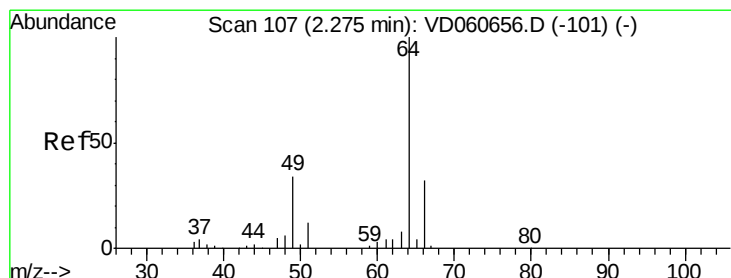
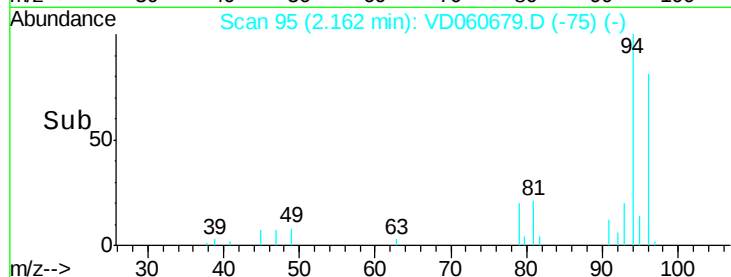
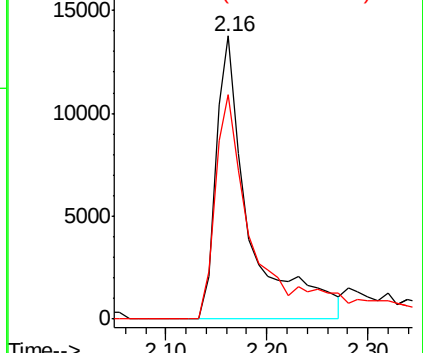
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.889 ug/l

RT: 2.27 min Scan# 106

Delta R.T. -0.00 min

Lab File: VD060679.D

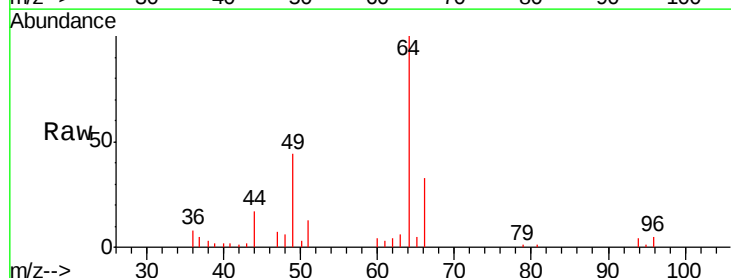
Acq: 21 Dec 2018 13:02

Tgt Ion: 64 Resp: 64202

Ion Ratio Lower Upper

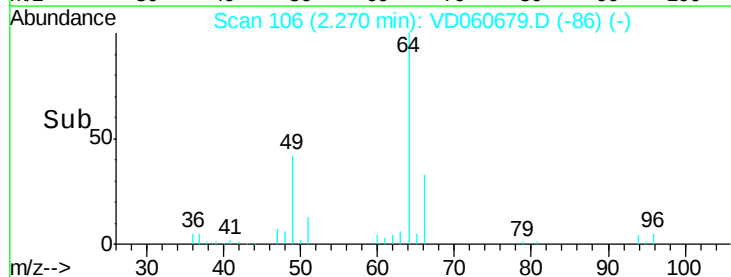
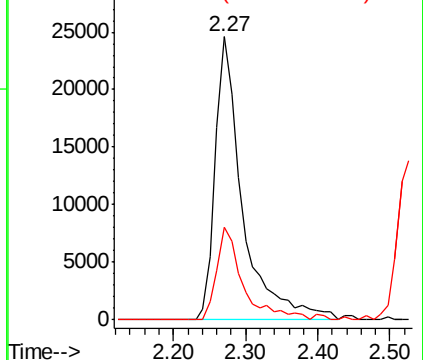
64 100

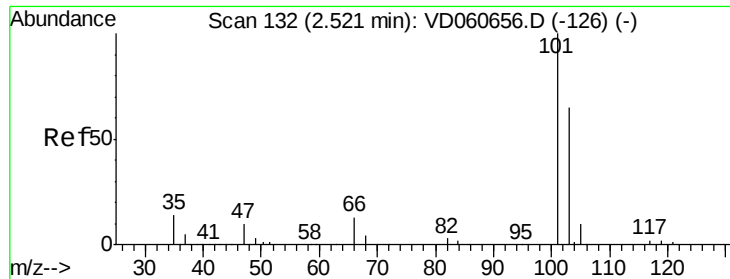
66 32.8 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

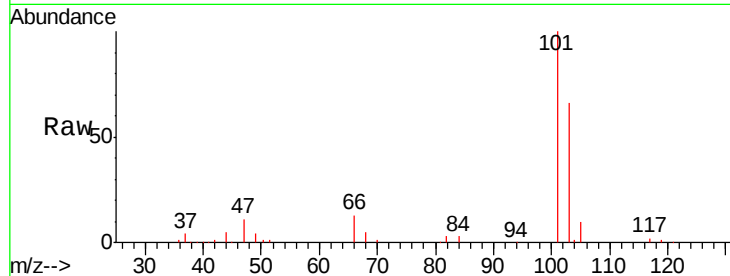
Trichlorofluoromethane
Concen: 19.058 ug/l
RT: 2.53 min Scan# 132
Delta R.T. 0.01 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

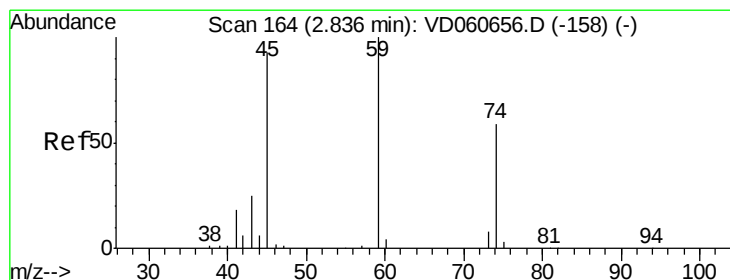
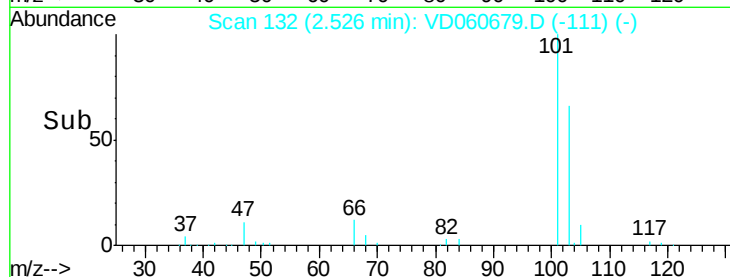
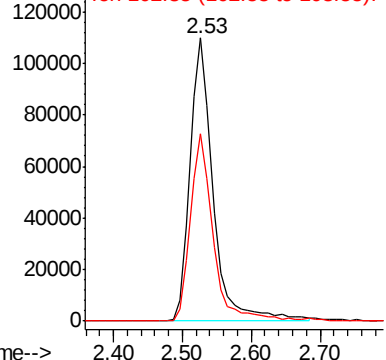
Tgt Ion: 101 Resp: 254926
Ion Ratio Lower Upper
101 100
103 66.0 51.9 77.9

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12/26/2018 10:57:47 AM



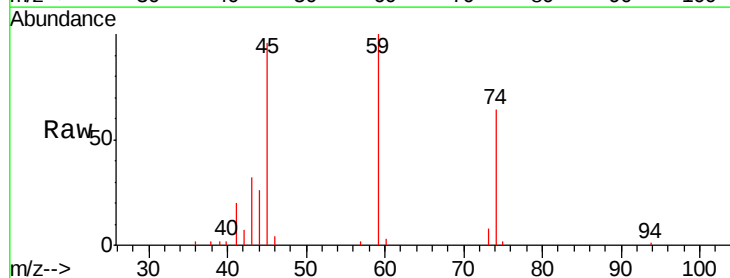
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



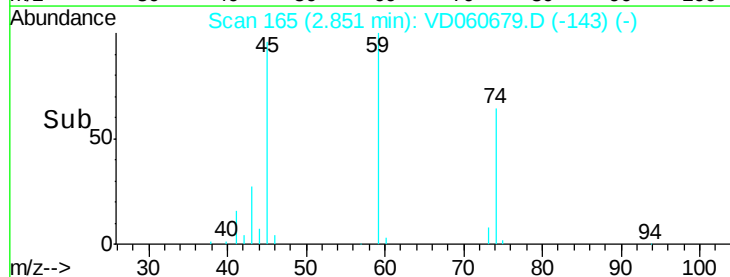
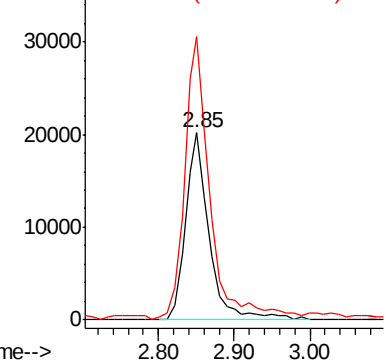
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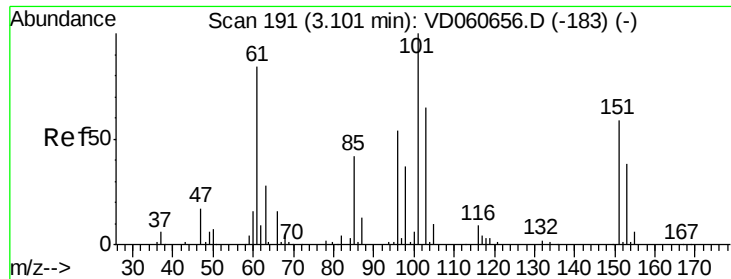
Diethyl Ether
Concen: 19.586 ug/l
RT: 2.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 74 Resp: 43833
Ion Ratio Lower Upper
74 100
45 151.3 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.05 (44.75 to 45.75): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.691 ug/l

RT: 3.12 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

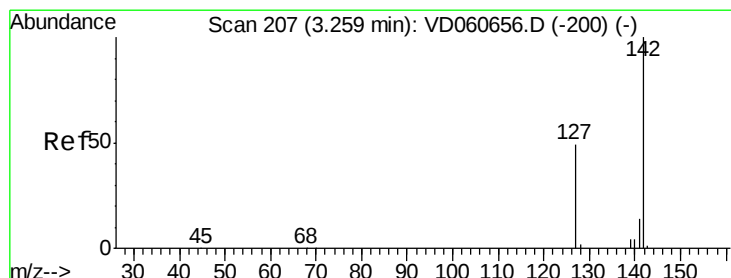
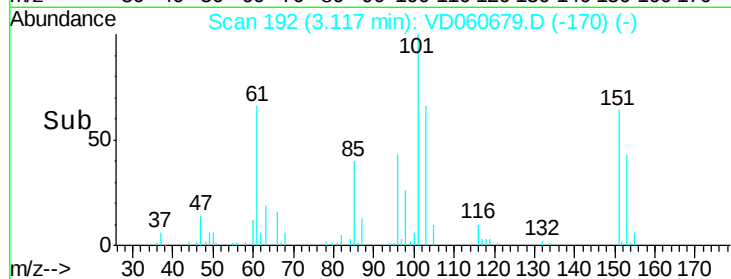
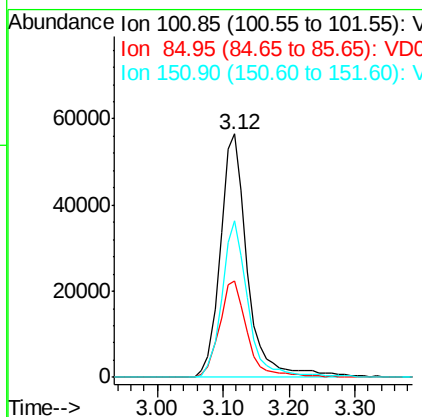
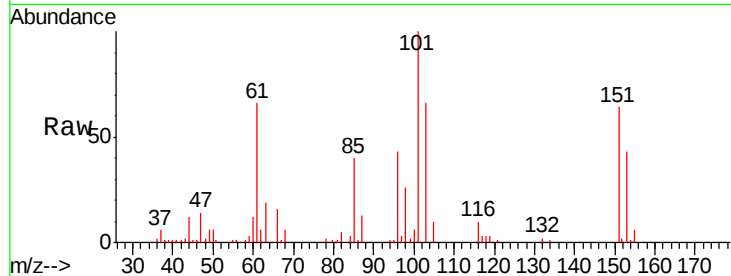
ClientSampleId :

VD1221SBS01

Tgt Ion:	101	Resp:	162179
Ion Ratio	Lower	Upper	
101	100		
85	39.5	33.4	50.0
151	64.2	47.5	71.3

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#10

Methyl Iodide

Concen: 18.407 ug/l

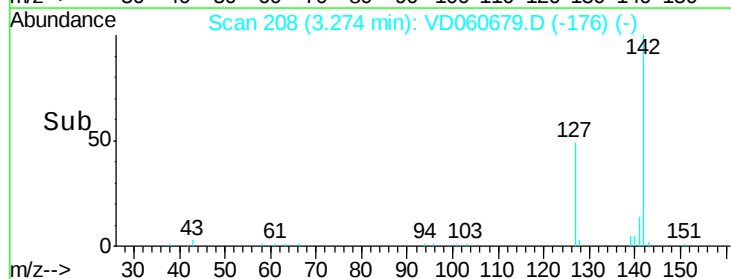
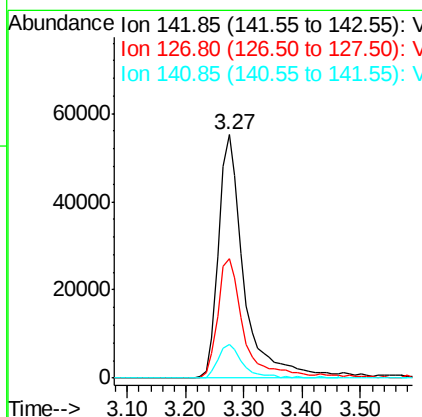
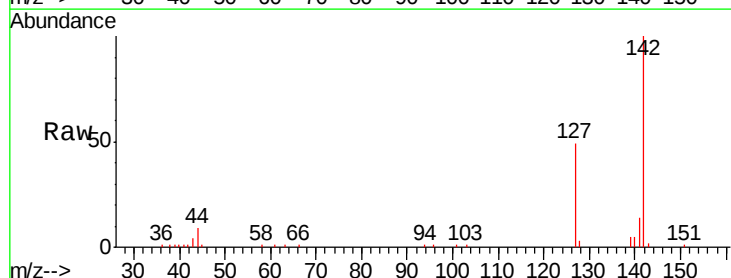
RT: 3.27 min Scan# 208

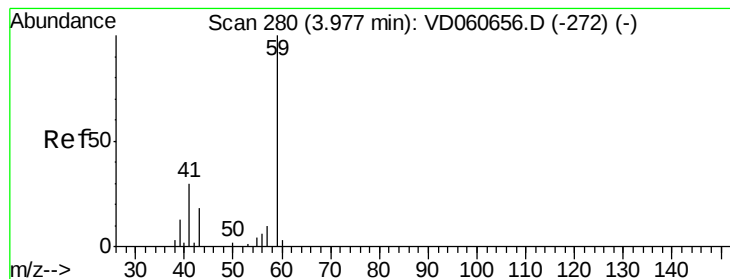
Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Tgt Ion:	142	Resp:	167849
Ion Ratio	Lower	Upper	
142	100		
127	48.8	39.5	59.3
141	13.8	11.3	16.9





#11

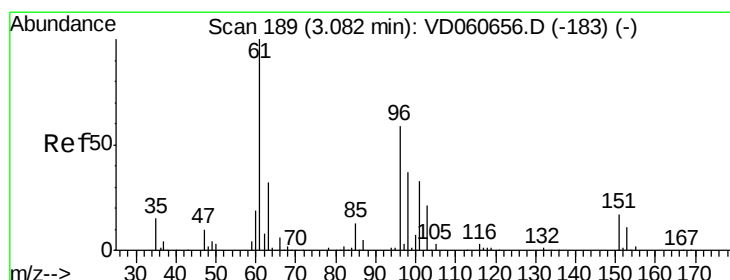
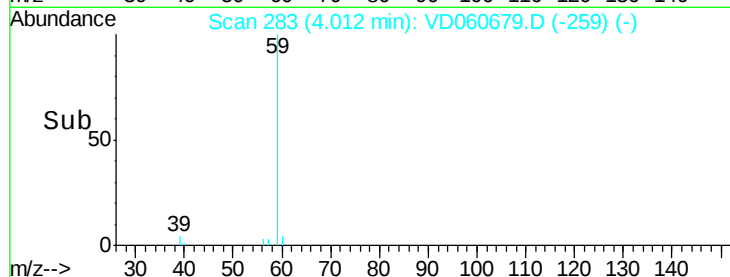
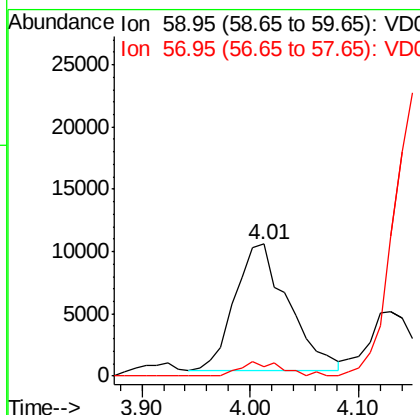
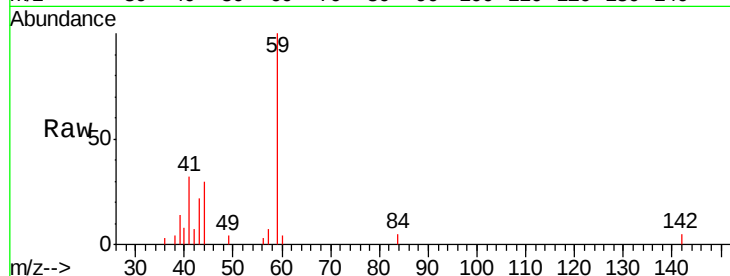
Tert butyl alcohol
Concen: 94.021 ug/l
RT: 4.01 min Scan# 283
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion: 59 Resp: 34978
Ion Ratio Lower Upper
59 100
57 6.9 7.8 11.6#

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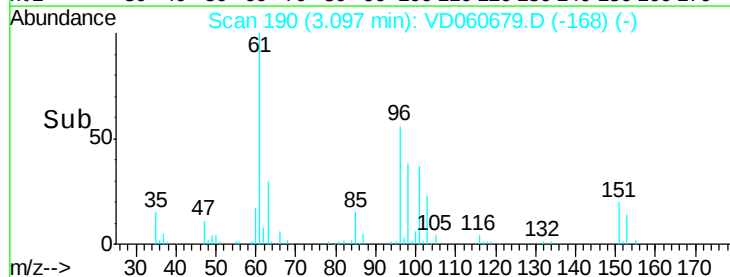
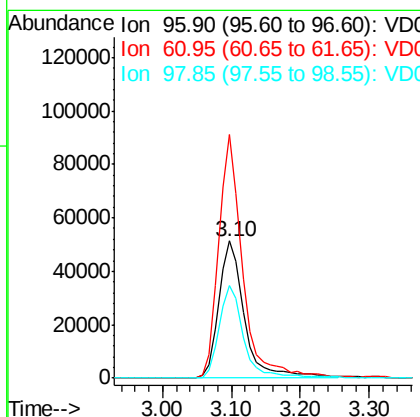
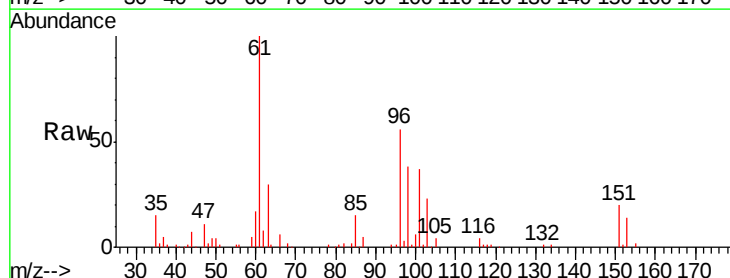
MMDadoda
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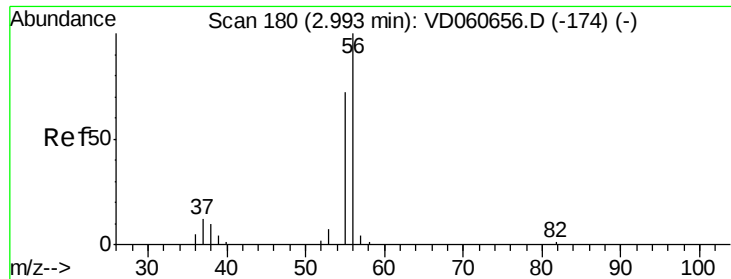


#12

1,1-Dichloroethene
Concen: 18.606 ug/l
RT: 3.10 min Scan# 190
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 96 Resp: 132647
Ion Ratio Lower Upper
96 100
61 177.3 136.2 204.4
98 67.8 50.7 76.1





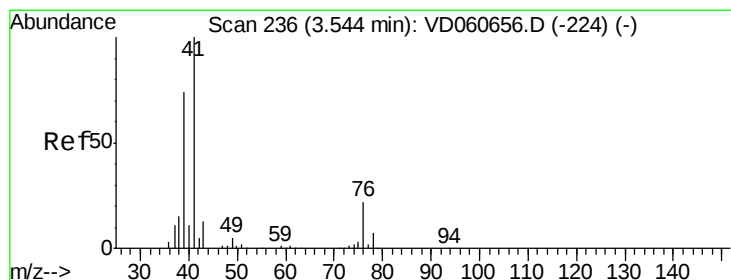
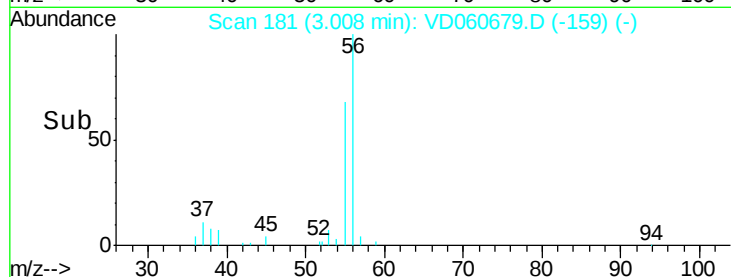
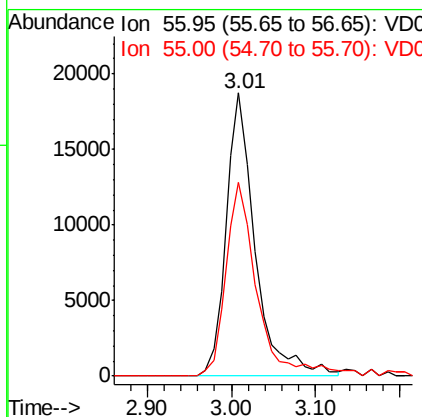
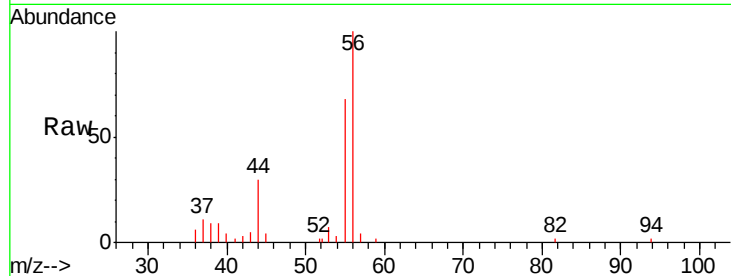
#13
Acrolein
Concen: 118.153 ug/l
RT: 3.01 min Scan# 181
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion: 56 Resp: 44793
Ion Ratio Lower Upper
56 100
55 68.3 57.7 86.5

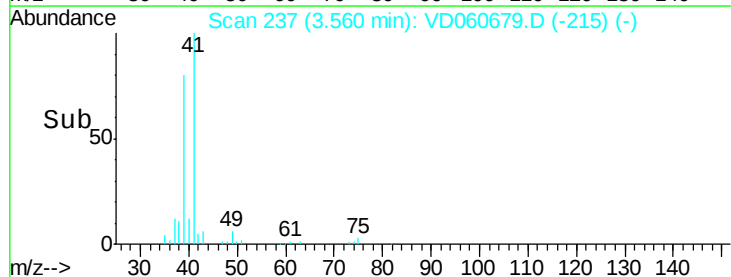
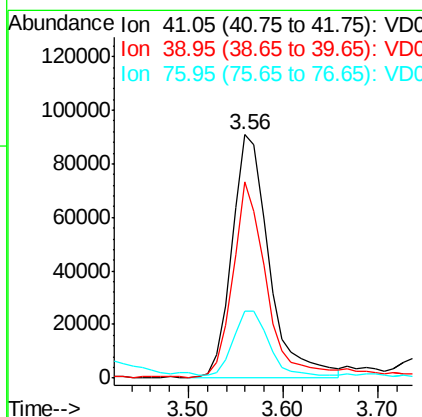
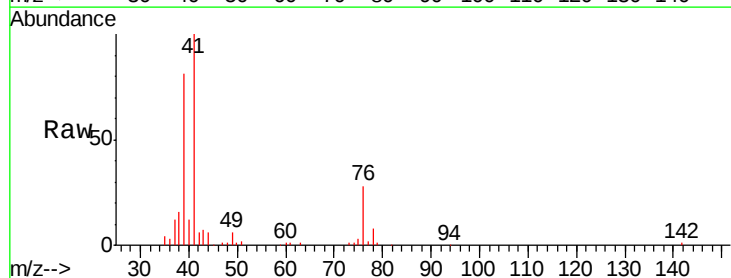
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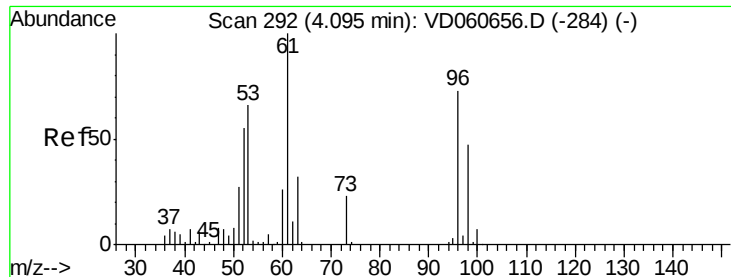
MMDadoda
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#14
Allyl chloride
Concen: 19.000 ug/l
RT: 3.56 min Scan# 237
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 41 Resp: 248555
Ion Ratio Lower Upper
41 100
39 80.9 59.6 89.4
76 27.7 21.8 32.6





#15

Acrylonitrile

Concen: 102.537 ug/l

RT: 4.12 min Scan# 294

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

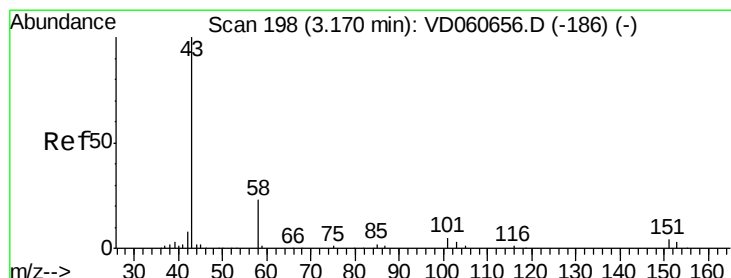
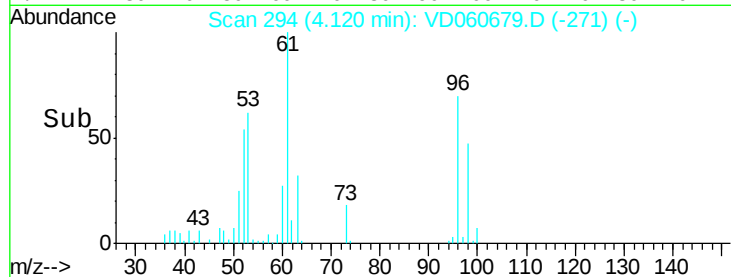
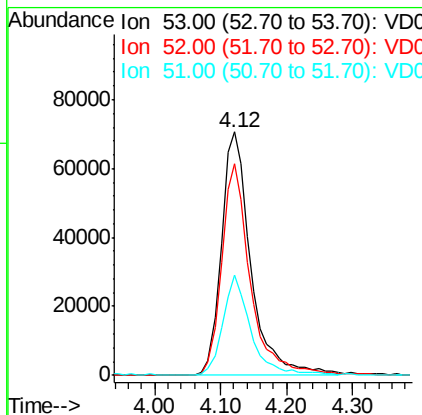
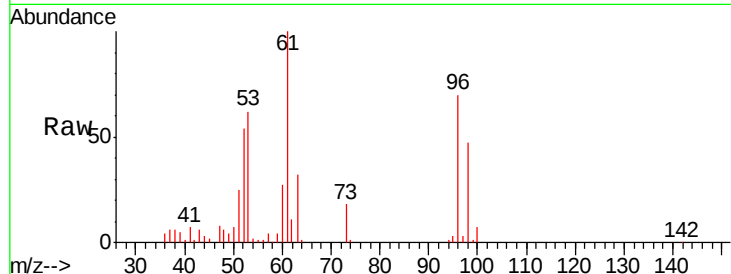
ClientSampleId :

VD1221SBS01

Tgt Ion:	53	Resp:	221464
Ion Ratio	Lower	Upper	
53	100		
52	87.0	66.7	100.1
51	41.2	32.7	49.1

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#16

Acetone

Concen: 93.189 ug/l

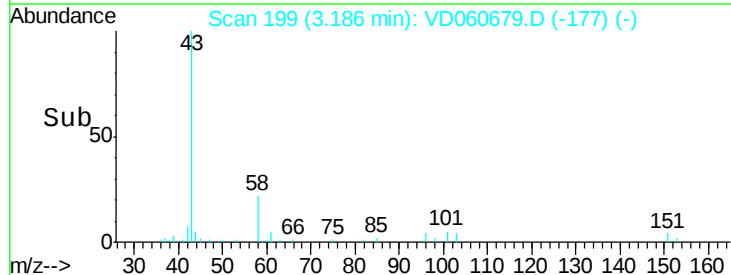
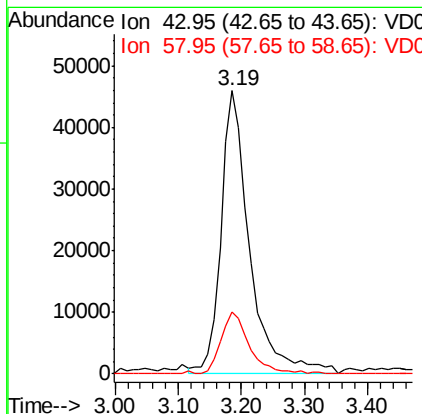
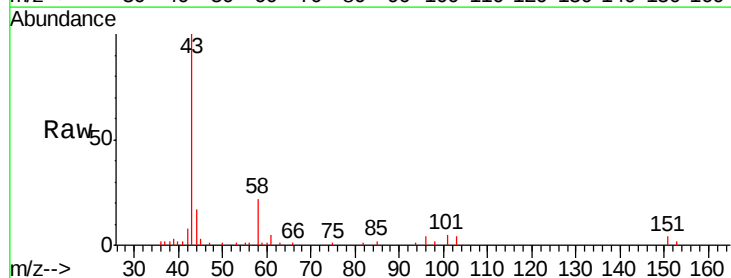
RT: 3.19 min Scan# 199

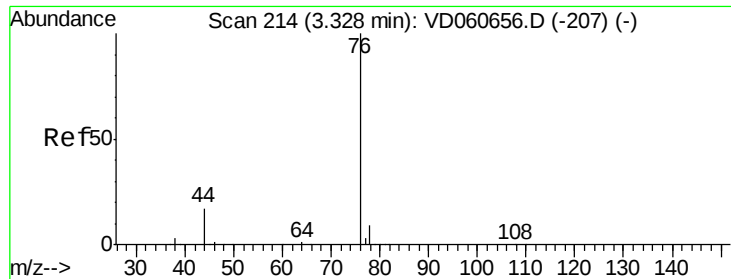
Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Tgt Ion:	43	Resp:	144869
Ion Ratio	Lower	Upper	
43	100		
58	21.9	18.2	27.2





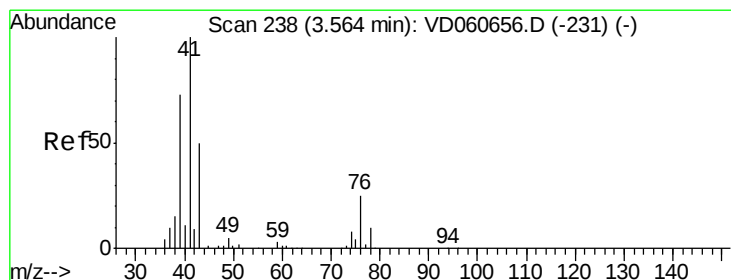
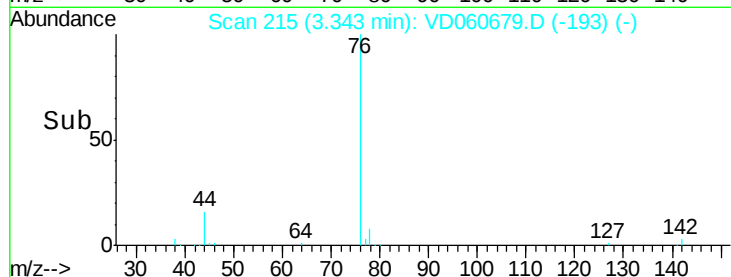
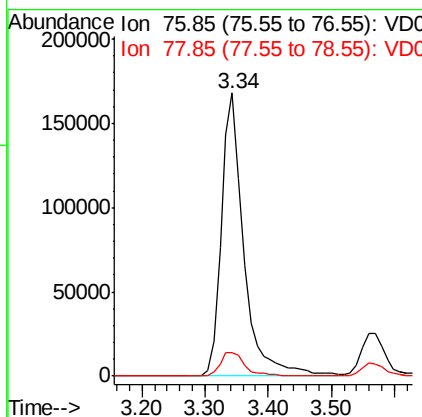
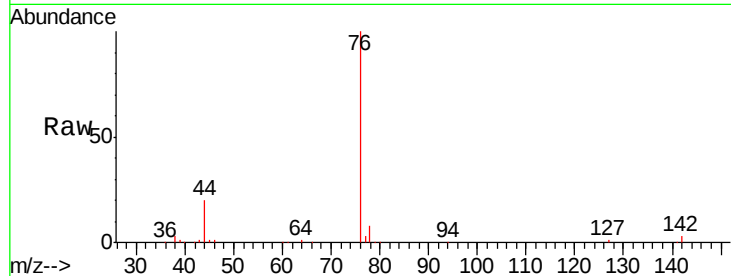
#17
Carbon Disulfide
Concen: 18.292 ug/l
RT: 3.34 min Scan# 215
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion: 76 Resp: 416481
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0

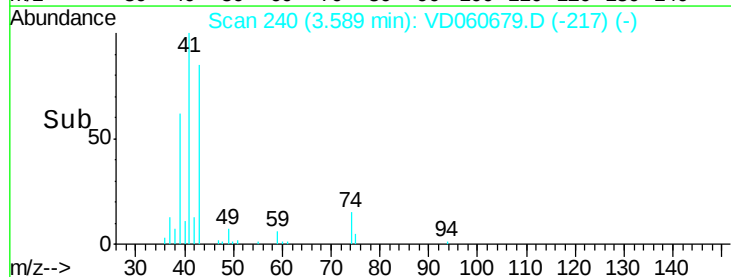
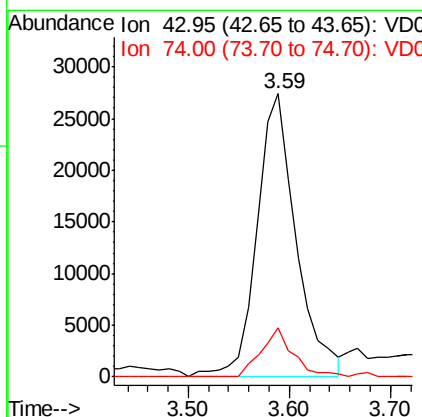
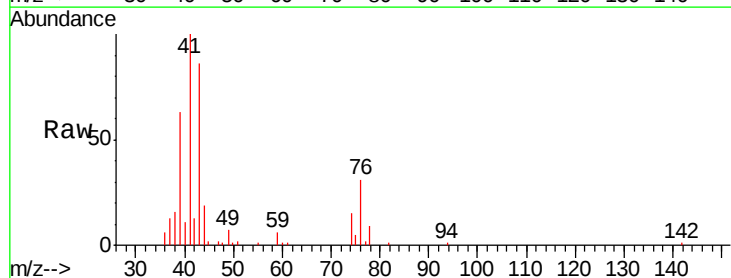
Manual Integrations
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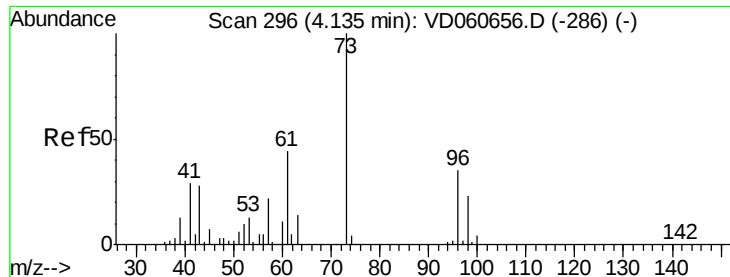
MMDadoda
12/26/2018 10:57:47 AM



#18
Methyl Acetate
Concen: 19.151 ug/l
RT: 3.59 min Scan# 240
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 43 Resp: 73785
Ion Ratio Lower Upper
43 100
74 17.4 12.4 18.6





#19

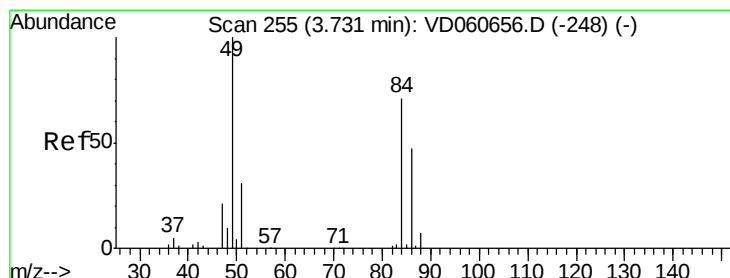
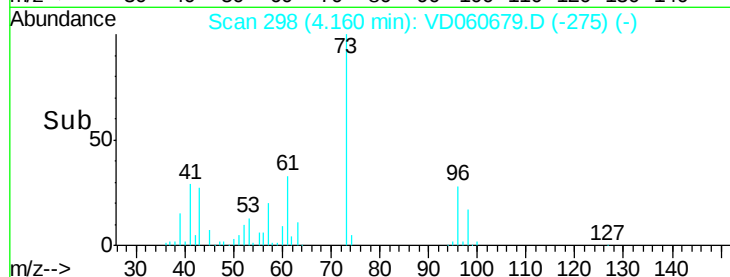
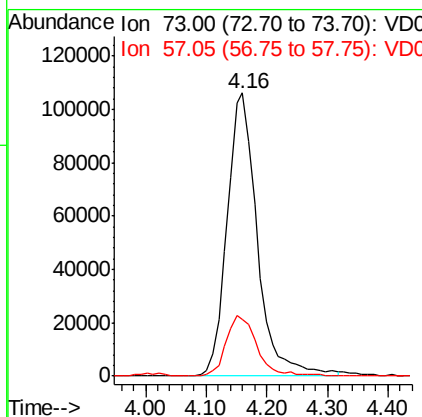
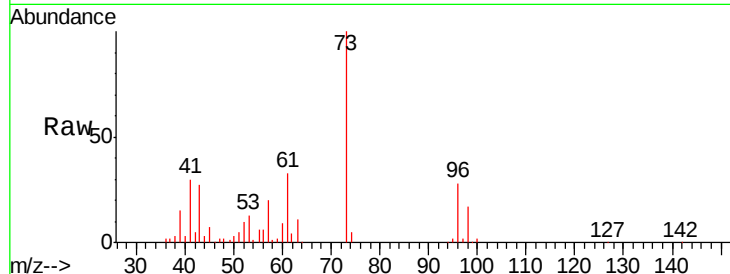
Methyl tert-butyl Ether
Concen: 20.292 ug/l
RT: 4.16 min Scan# 298
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion: 73 Resp: 367041
Ion Ratio Lower Upper
73 100
57 20.2 17.6 26.4

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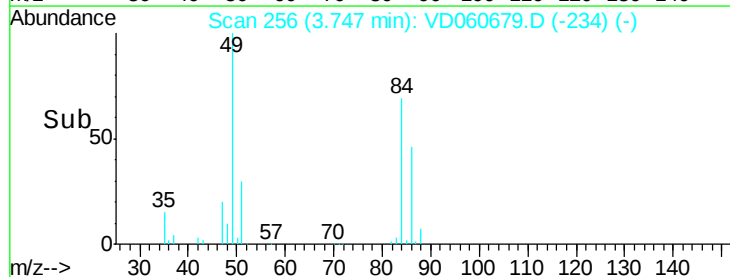
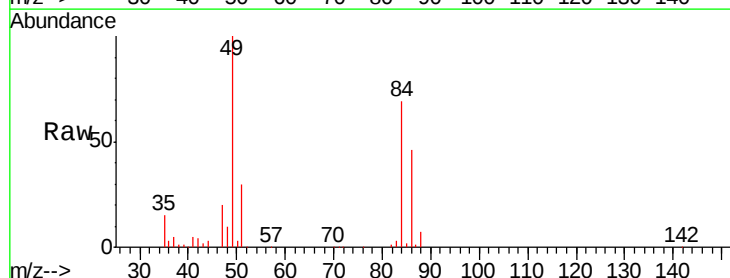
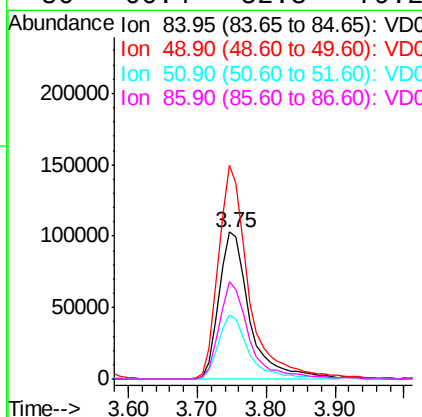
MMDadoda
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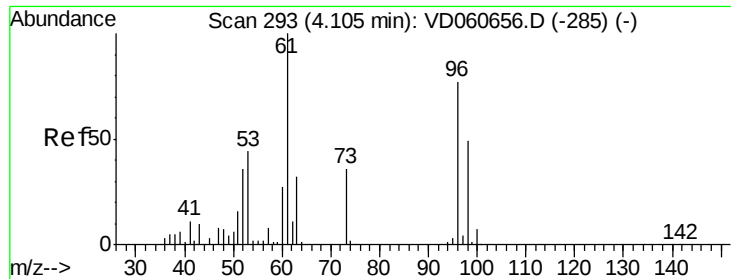


#20

Methylene Chloride
Concen: 19.750 ug/l
RT: 3.75 min Scan# 256
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 84 Resp: 318848
Ion Ratio Lower Upper
84 100
49 145.7 113.6 170.4
51 43.7 34.7 52.1
86 66.4 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 19.453 ug/l

RT: 4.13 min Scan# 295

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

Tgt Ion: 96 Resp: 284026
Ion Ratio Lower Upper

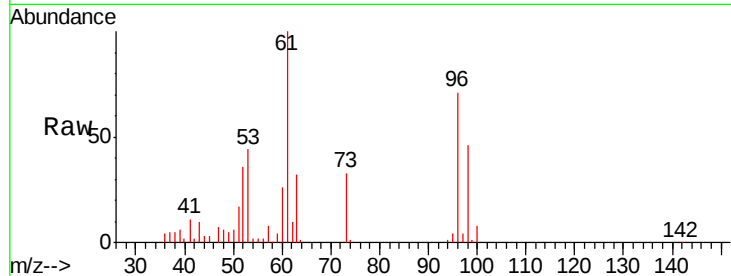
96 100

61 140.2 104.2 156.2

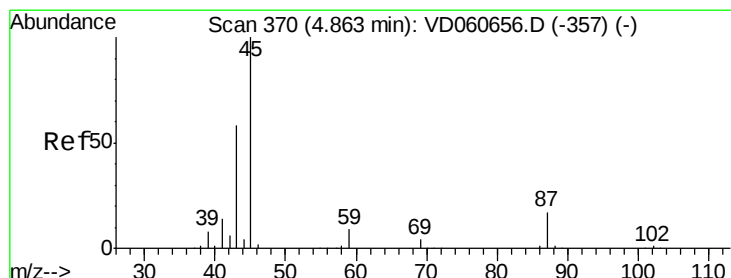
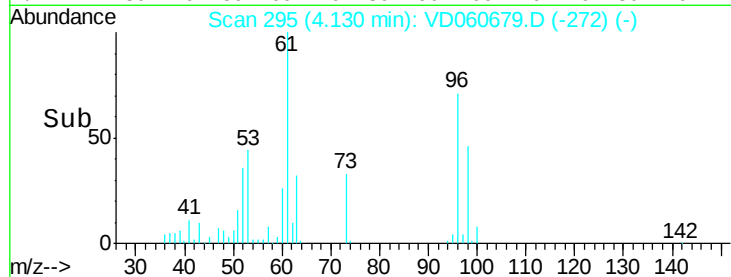
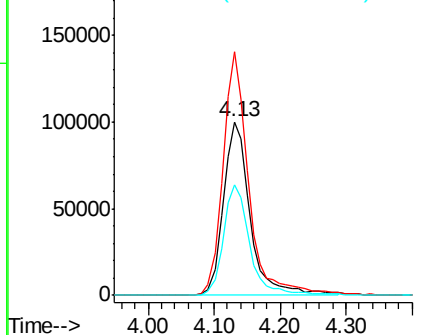
98 63.9 51.2 76.8

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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



#22

Diisopropyl ether

Concen: 20.024 ug/l

RT: 4.89 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

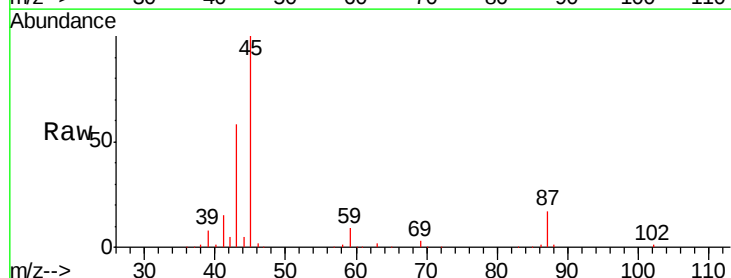
Tgt Ion: 45 Resp: 889414
Ion Ratio Lower Upper

45 100

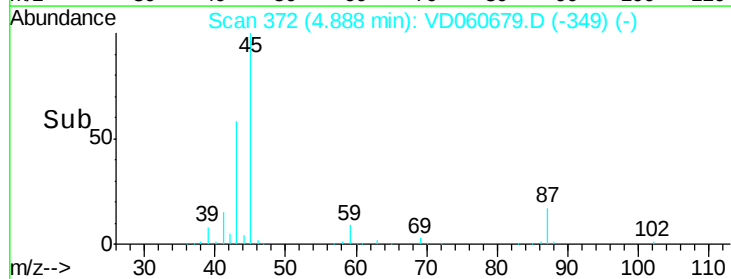
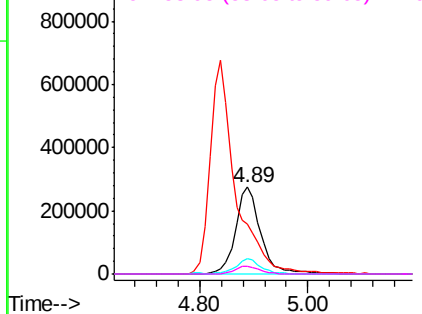
43 57.5 46.1 69.1

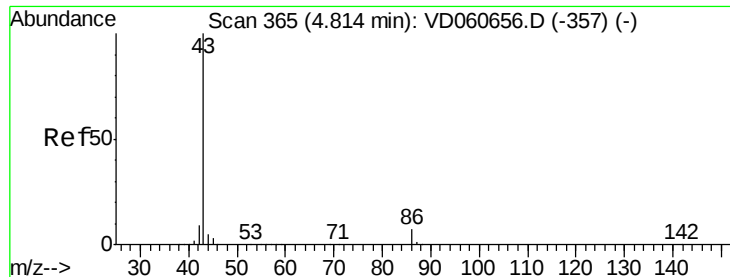
87 17.4 13.7 20.5

59 8.9 7.4 11.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 101.763 ug/l

RT: 4.84 min Scan# 367

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

Tgt Ion: 43 Resp: 2186782

Ion Ratio Lower Upper

43 100

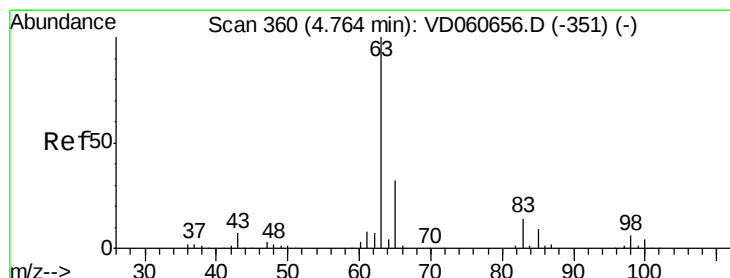
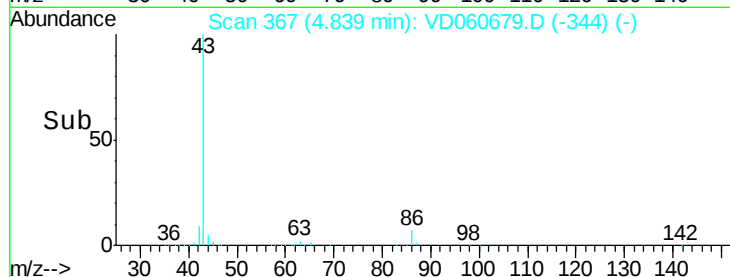
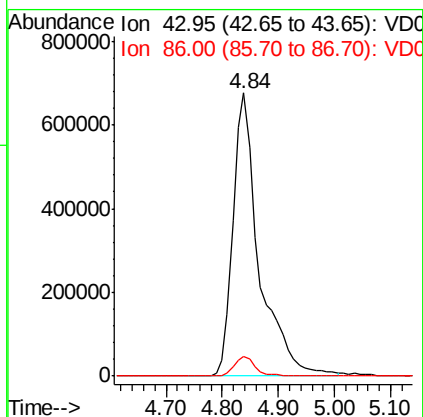
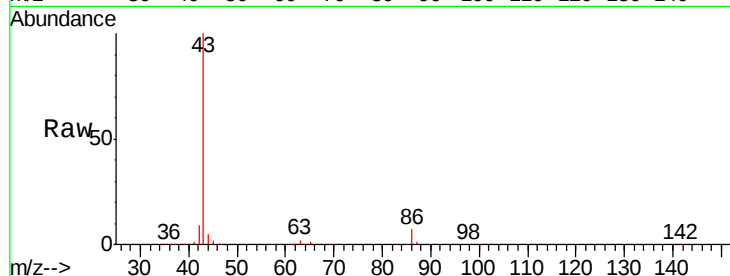
86 6.8 5.6 8.4

Manual Integrations

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MMDadoda

12/26/2018 10:57:47 AM



#24

1,1-Dichloroethane

Concen: 19.428 ug/l

RT: 4.79 min Scan# 362

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

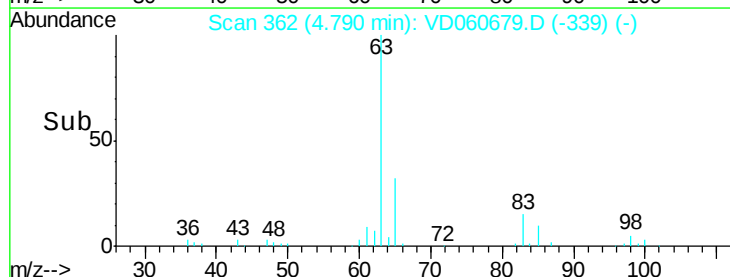
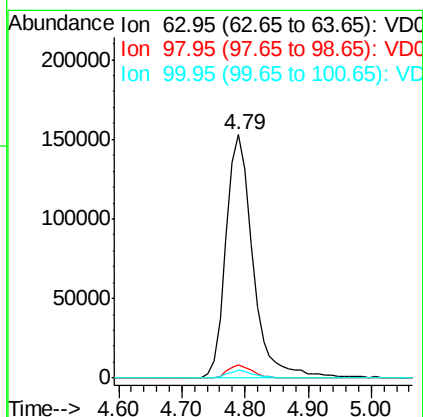
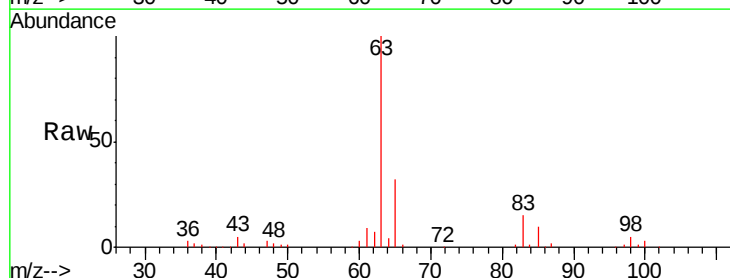
Tgt Ion: 63 Resp: 453895

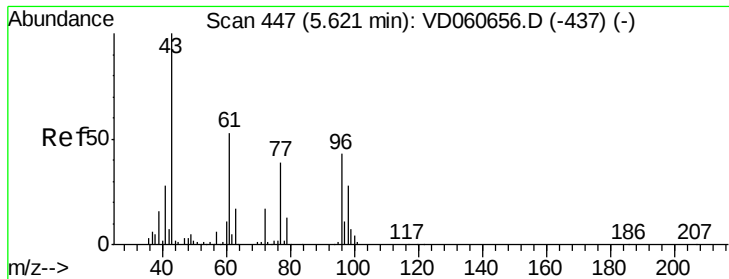
Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.7

100 3.3 2.0 5.8





#25

2-Butanone

Concen: 100.110 ug/l

RT: 5.66 min Scan# 450

Delta R.T. 0.04 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

Tgt Ion: 43 Resp: 297806

Ion Ratio Lower Upper

43 100

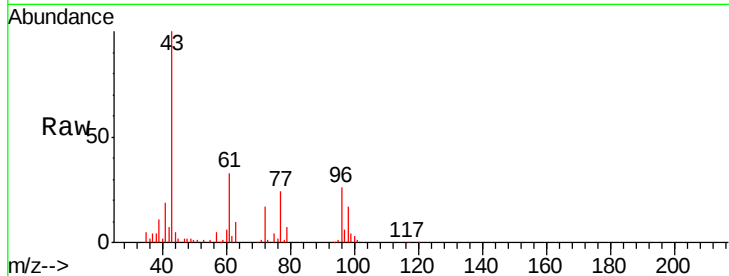
72 16.9 13.7 20.5

Manual Integrations

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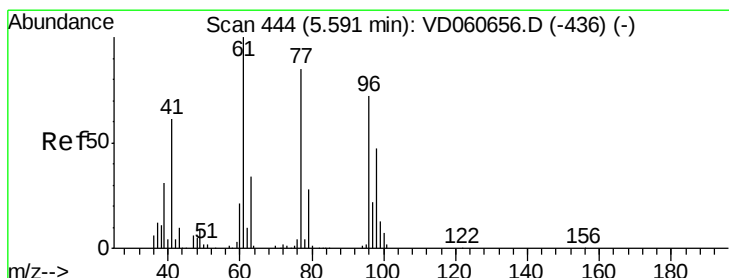
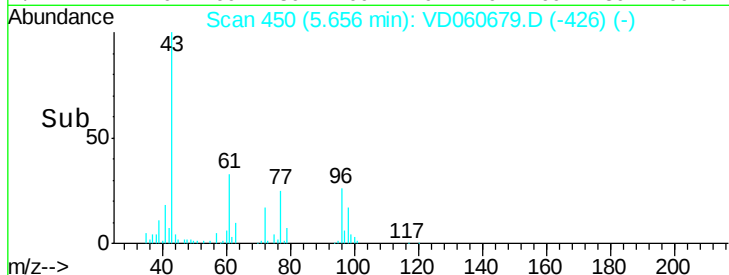
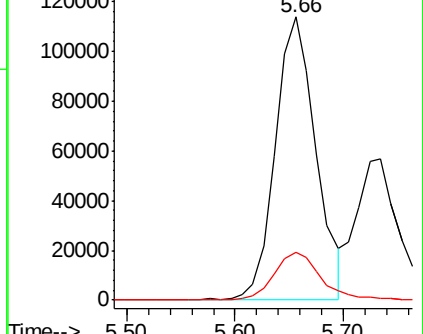
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12/26/2018 10:57:47 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.394 ug/l

RT: 5.63 min Scan# 447

Delta R.T. 0.04 min

Lab File: VD060679.D

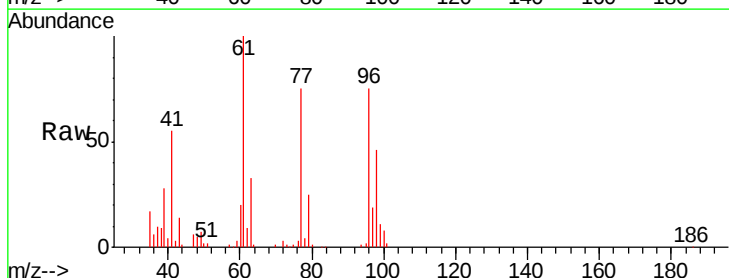
Acq: 21 Dec 2018 13:02

Tgt Ion: 77 Resp: 357667

Ion Ratio Lower Upper

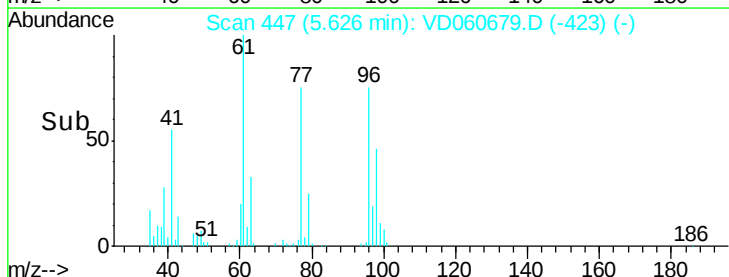
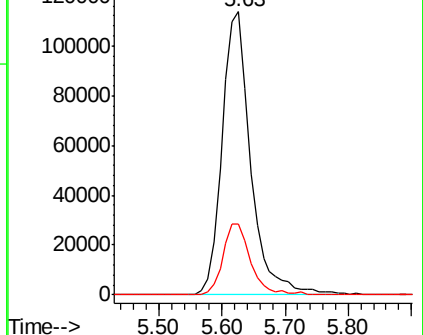
77 100

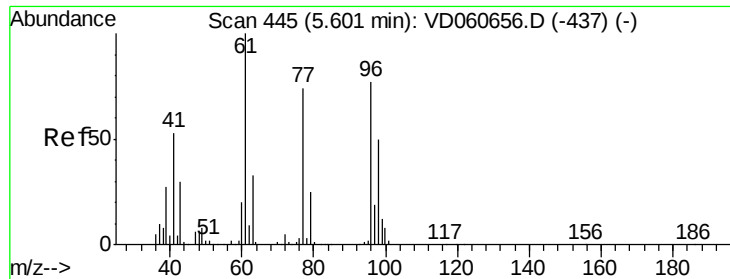
97 25.3 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

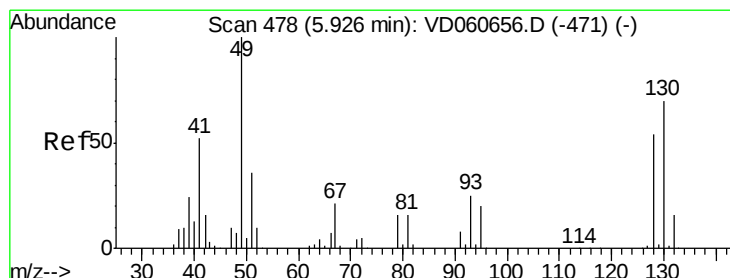
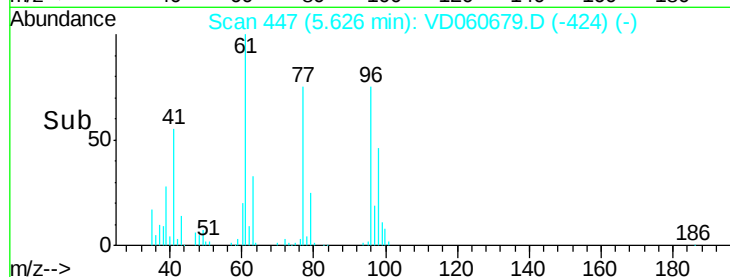
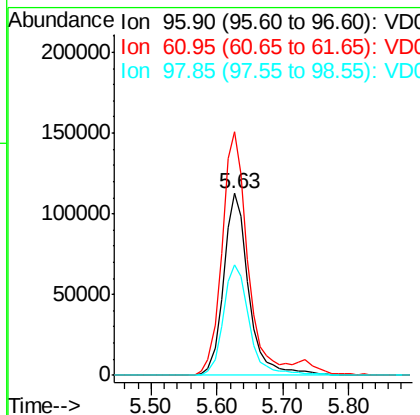
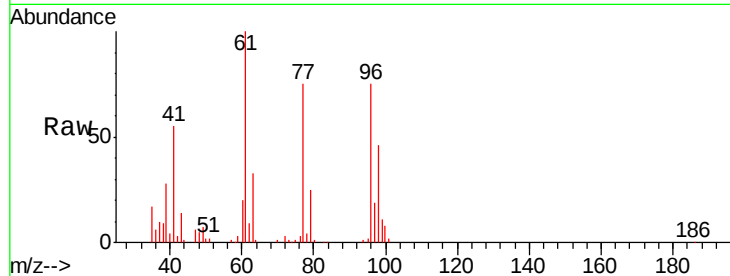
cis-1,2-Dichloroethene
Concen: 20.297 ug/l
RT: 5.63 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	300834		
61	133.7	0.0	259.4	
98	61.0	0.0	130.0	

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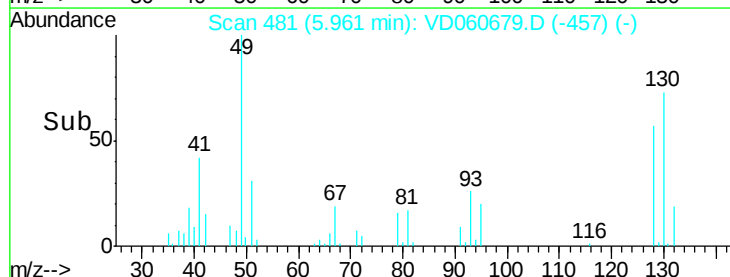
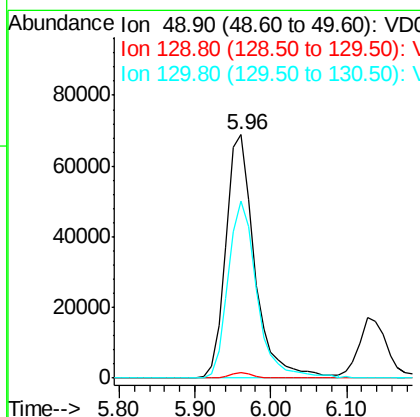
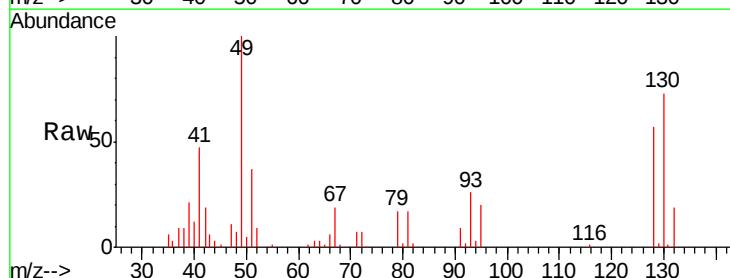
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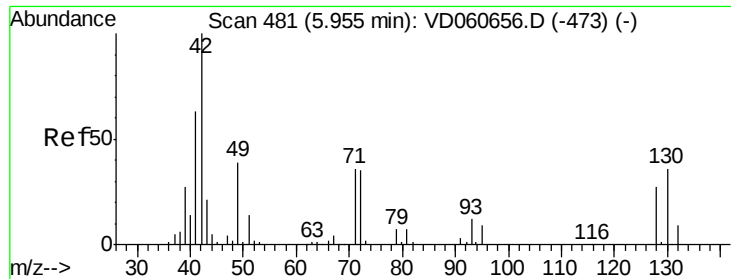


#28

Bromochloromethane
Concen: 18.392 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	181527		
129	2.2	0.0	3.4	
130	72.7	56.2	84.2	





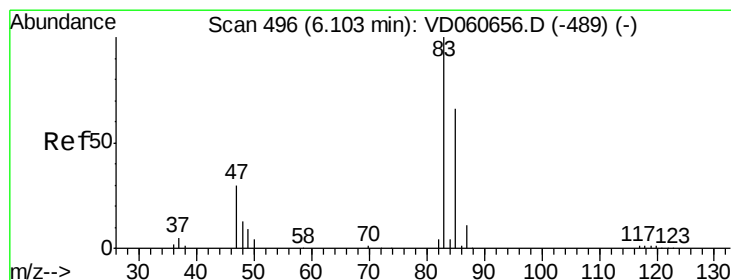
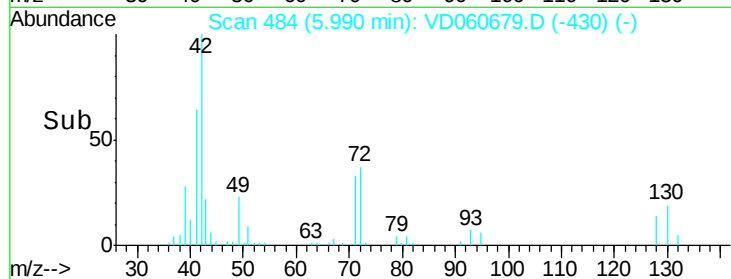
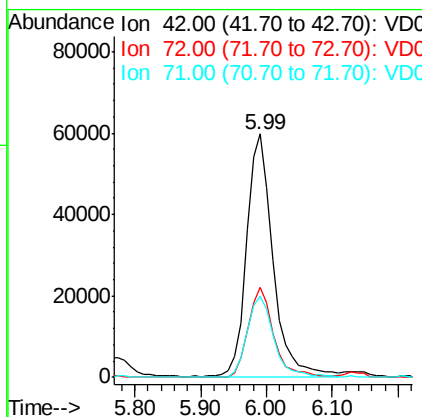
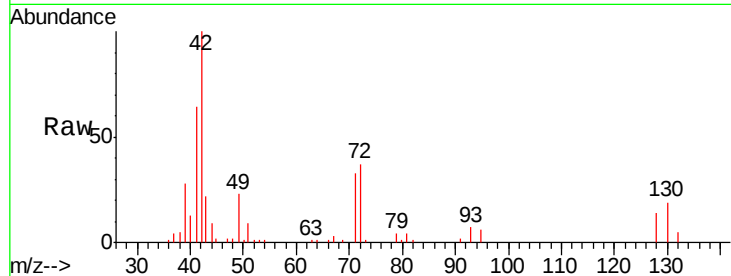
#29
Tetrahydrofuran
Concen: 100.743 ug/l
RT: 5.99 min Scan# 484
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.4	28.0	42.0
71	33.2	27.0	40.6

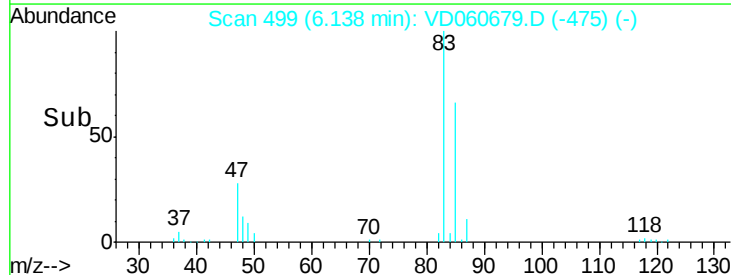
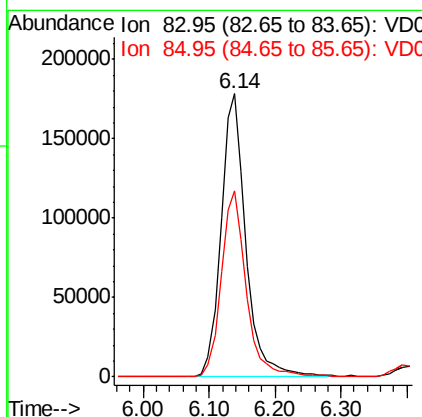
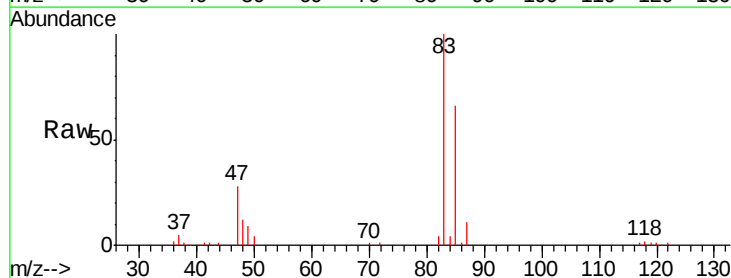
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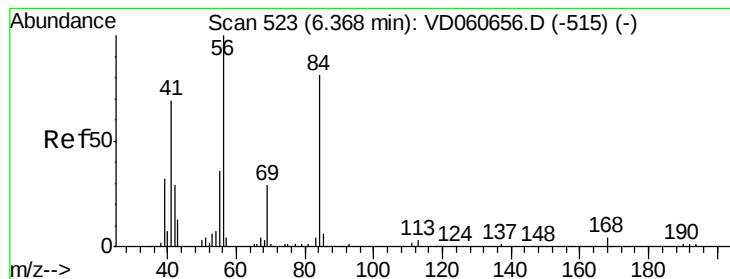
MMDadoda
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#30
Chloroform
Concen: 19.886 ug/l
RT: 6.14 min Scan# 499
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.0	79.6





#31

Cyclohexane

Concen: 19.443 ug/l

RT: 6.40 min Scan# 526

Delta R.T. 0.04 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

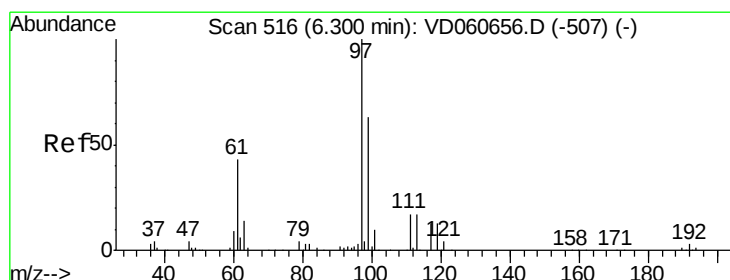
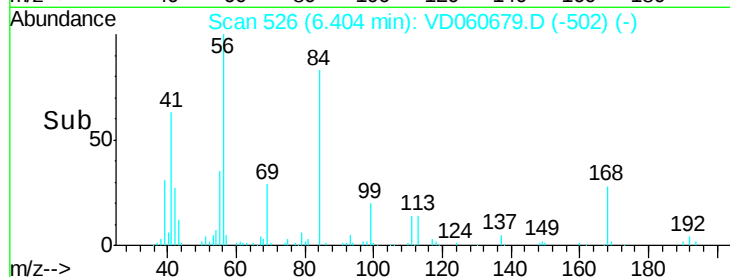
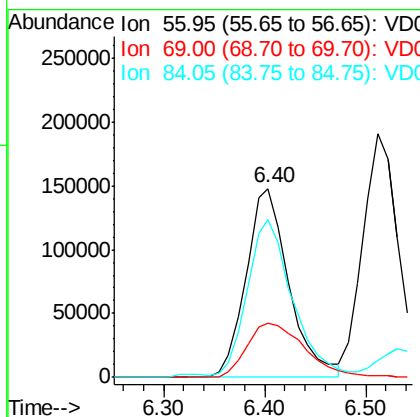
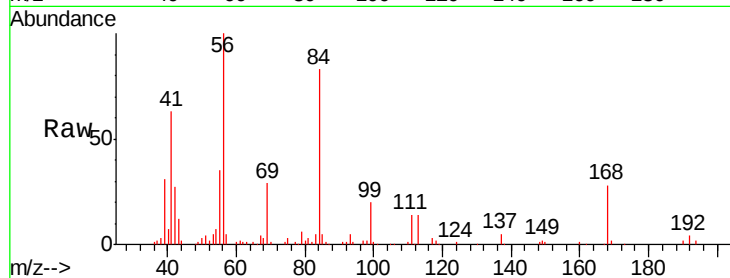
ClientSampleId :

VD1221SBS01

Tgt Ion:	56	Resp:	437150
Ion Ratio	Lower	Upper	
56	100		
69	29.1	23.6	35.4
84	83.4	65.8	98.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.552 ug/l

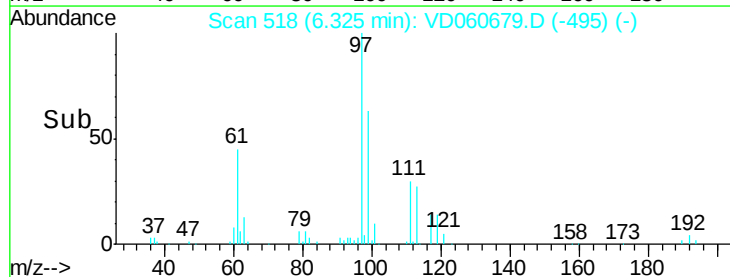
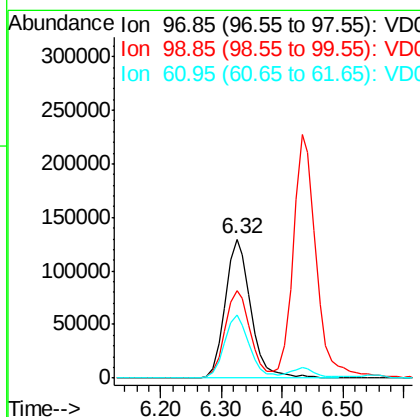
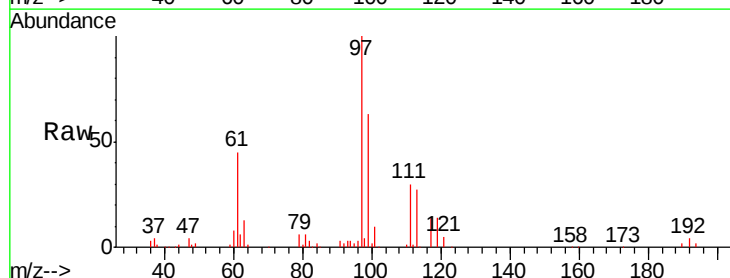
RT: 6.32 min Scan# 518

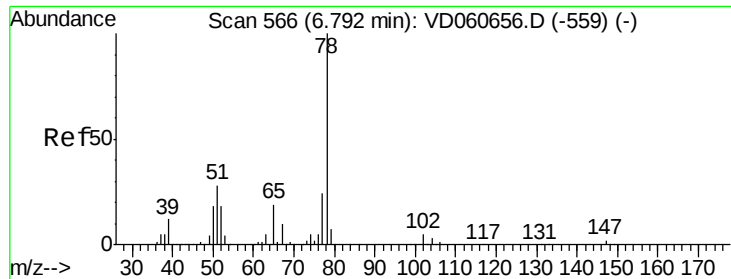
Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Tgt Ion:	97	Resp:	380268
Ion Ratio	Lower	Upper	
97	100		
99	62.9	50.5	75.7
61	45.4	34.6	51.8





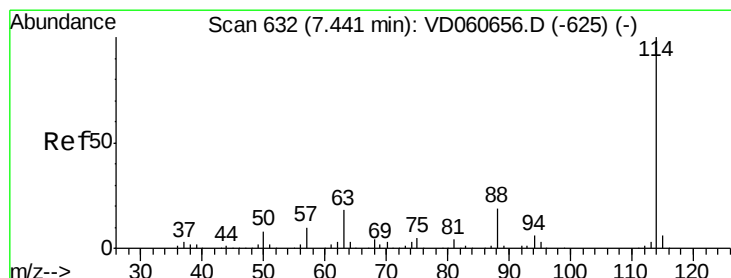
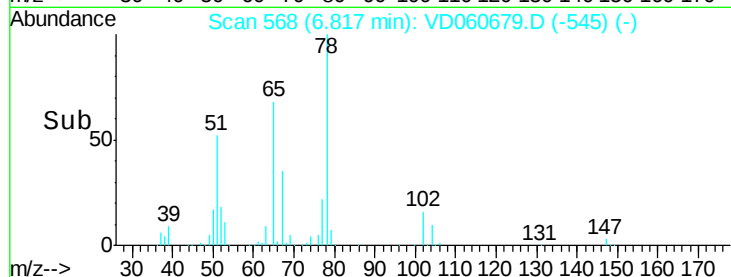
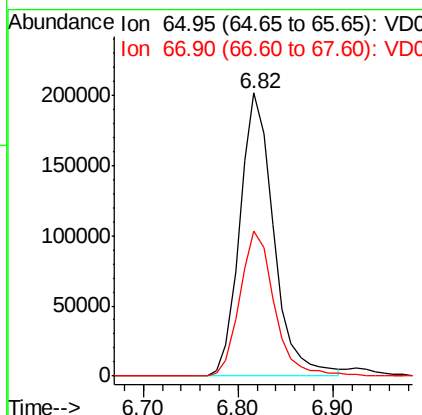
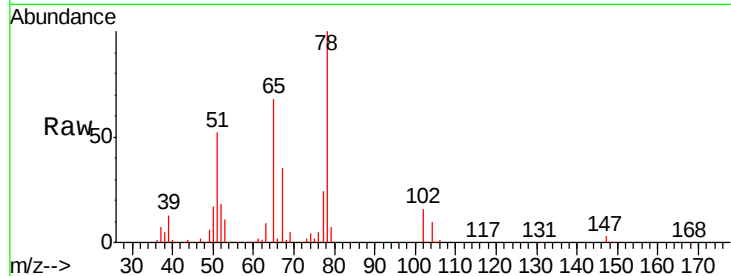
#33
 1,2-Dichloroethane-d4
 Concen: 19.552 ug/l
 RT: 6.82 min Scan# 568
 Delta R.T. 0.03 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Tgt Ion: 65 Resp: 499399
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.4

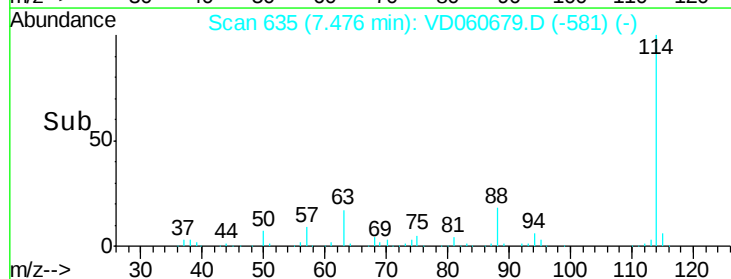
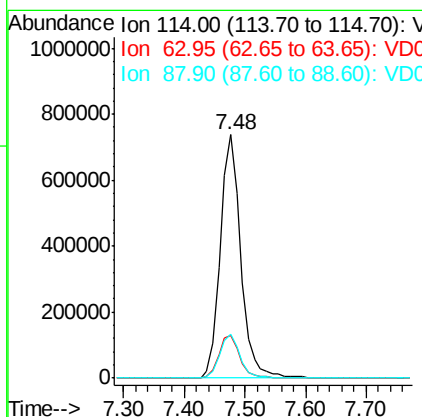
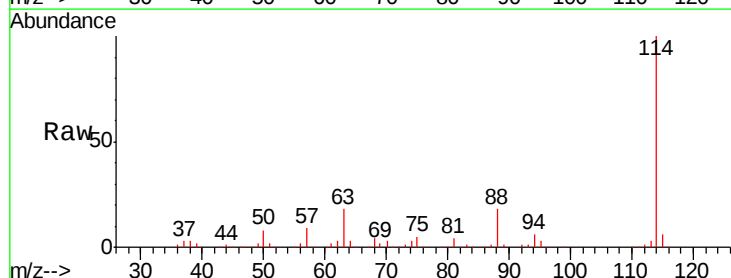
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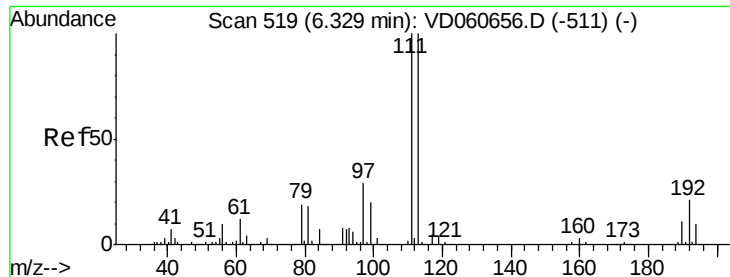
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.48 min Scan# 635
 Delta R.T. 0.04 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion: 114 Resp: 1735360
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.2
 88 17.8 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 521

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

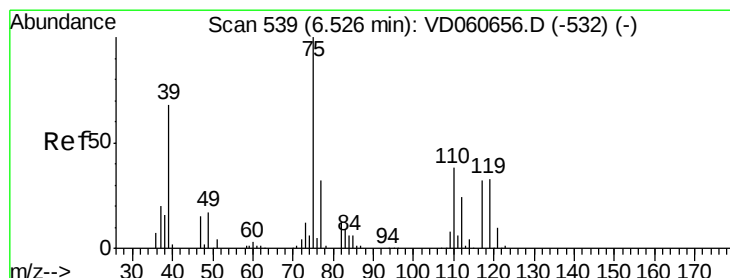
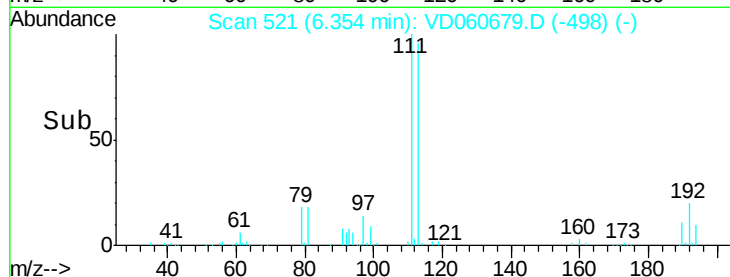
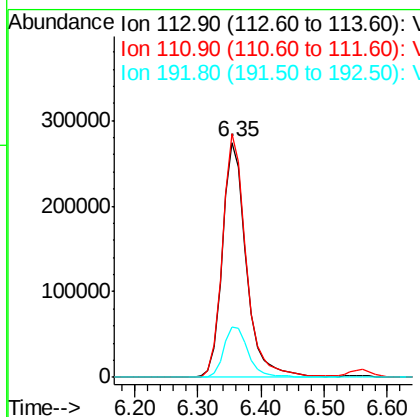
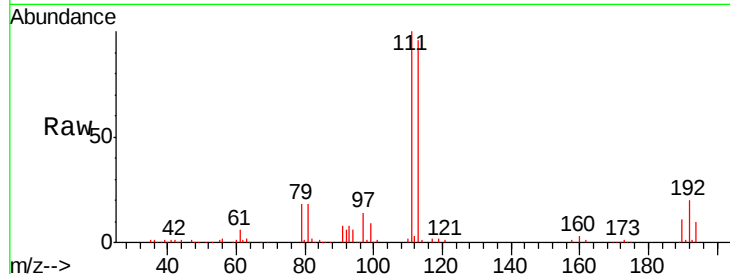
ClientSampleId :

VD1221SBS01

Tgt Ion:	113	Resp:	723711
Ion Ratio	Lower	Upper	
113	100		
111	103.7	80.0	120.0
192	21.2	16.6	25.0

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#36

1,1-Dichloropropene

Concen: 19.948 ug/l

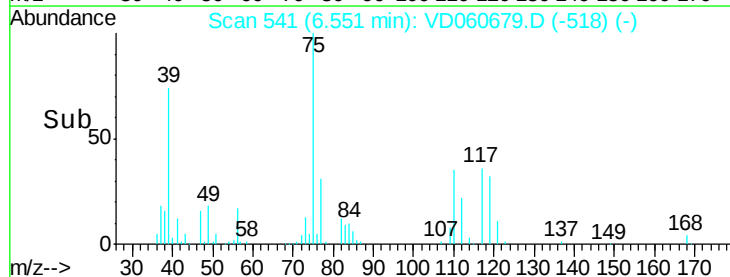
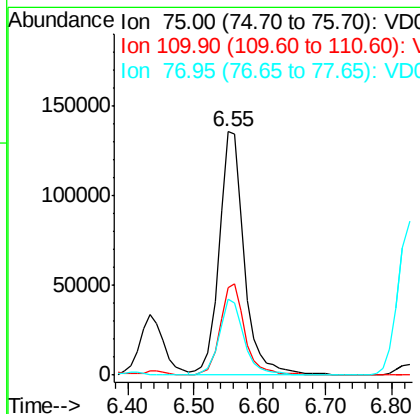
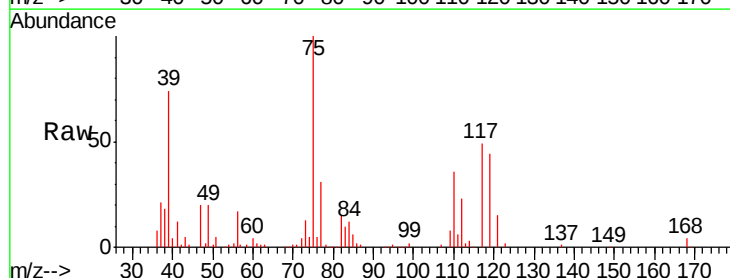
RT: 6.55 min Scan# 541

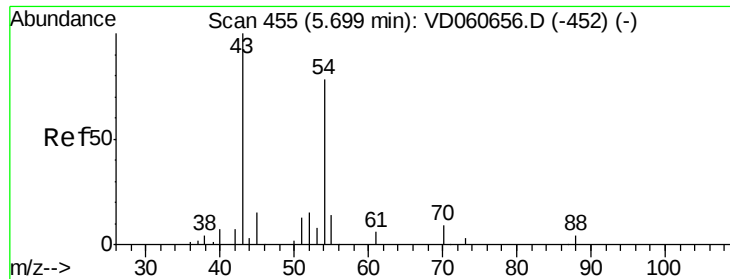
Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Tgt Ion:	75	Resp:	356456
Ion Ratio	Lower	Upper	
75	100		
110	36.0	18.9	56.7
77	31.1	25.4	38.0





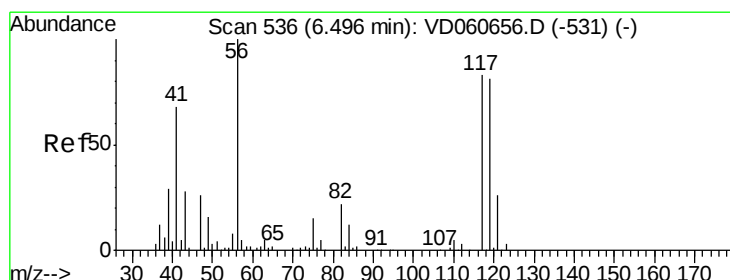
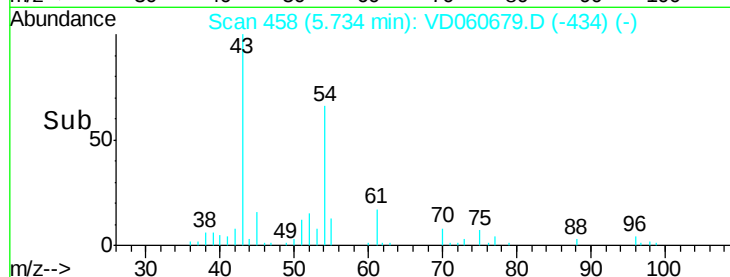
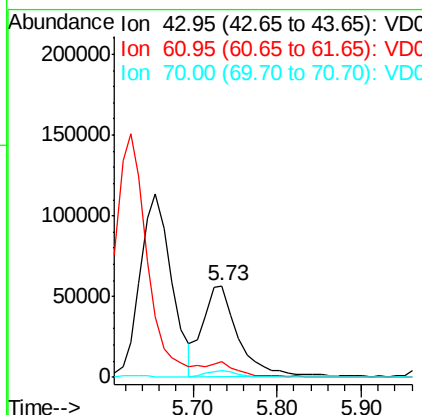
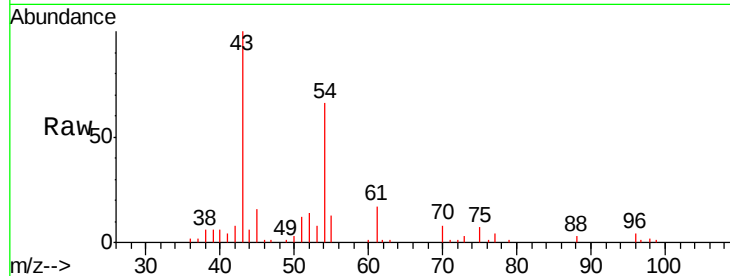
#37
Ethyl Acetate
Concen: 21.552 ug/l
RT: 5.73 min Scan# 458
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion: 43 Resp: 161067
Ion Ratio Lower Upper
43 100
61 16.8 11.8 17.6
70 8.1 5.8 8.6

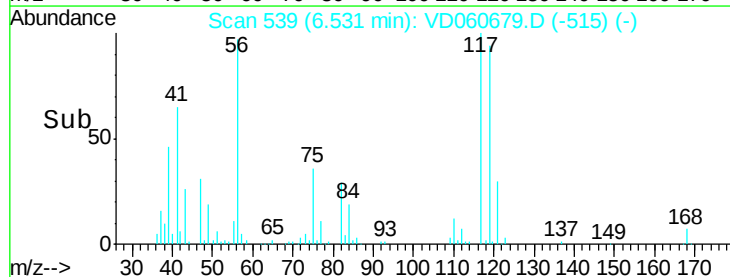
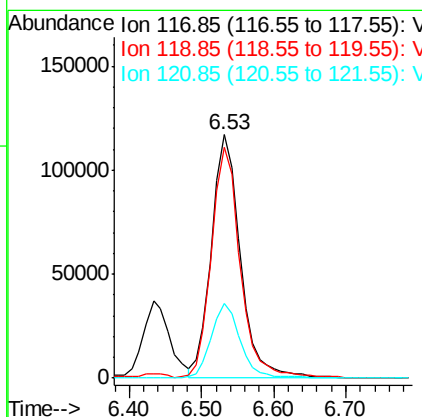
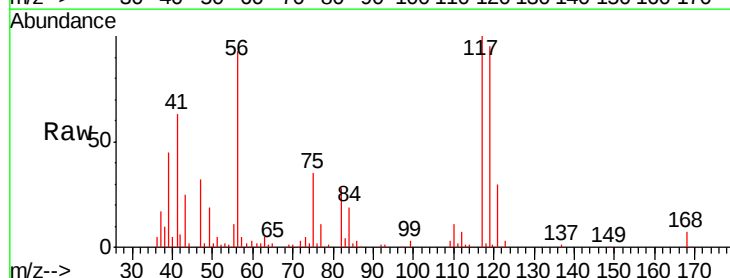
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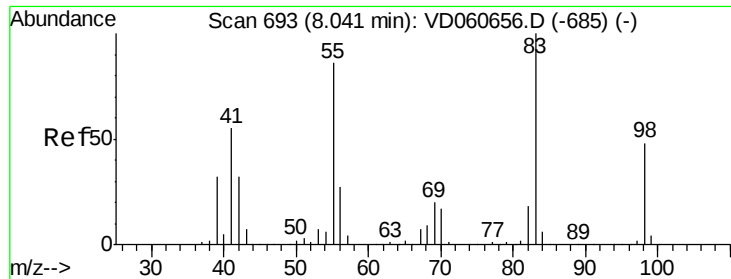
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#38
Carbon Tetrachloride
Concen: 20.314 ug/l
RT: 6.53 min Scan# 539
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 117 Resp: 320239
Ion Ratio Lower Upper
117 100
119 94.6 77.0 115.4
121 30.4 24.7 37.1





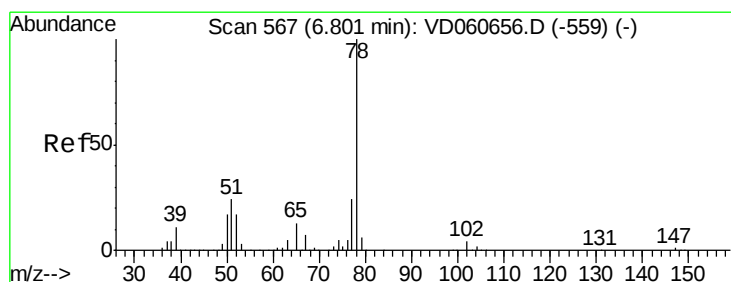
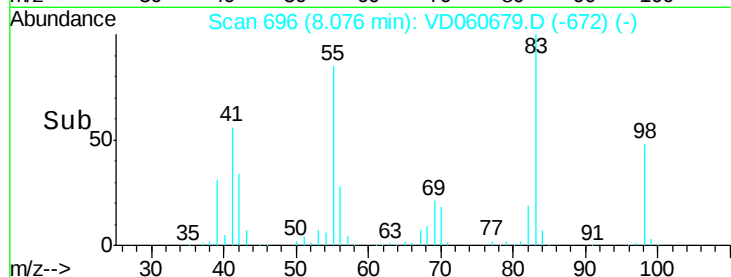
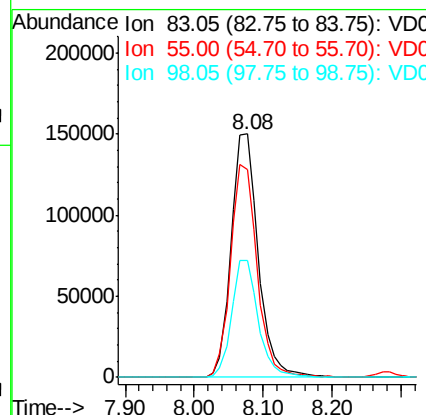
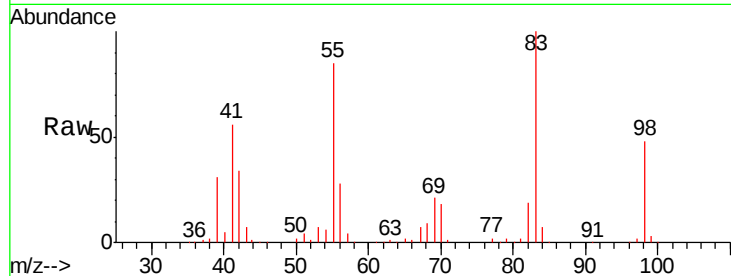
#39
Methylcyclohexane
Concen: 20.094 ug/l
RT: 8.08 min Scan# 696
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	409527		
55	85.1	68.6	102.8	
98	48.2	38.1	57.1	

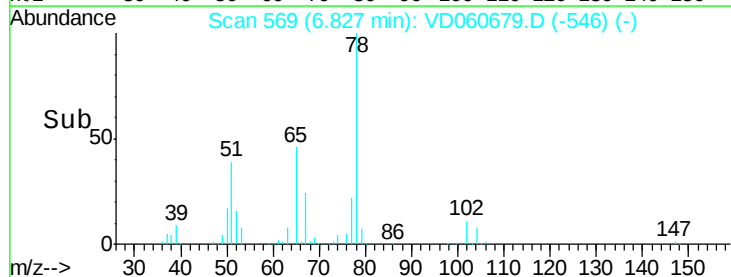
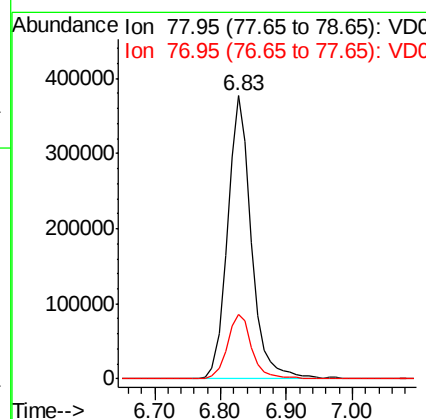
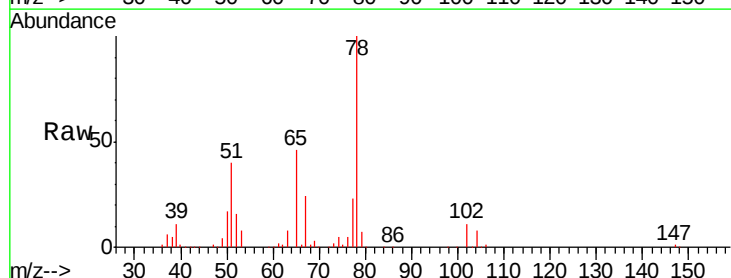
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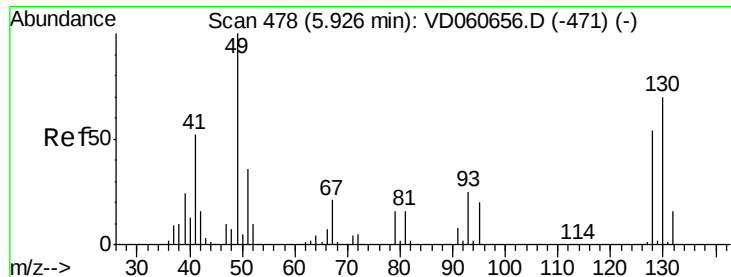
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#40
Benzene
Concen: 20.637 ug/l
RT: 6.83 min Scan# 569
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	952560		
77	22.8	19.2	28.8	





#41

Methacrylonitrile

Concen: 17.019 ug/l m

RT: 5.95 min Scan# 480

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

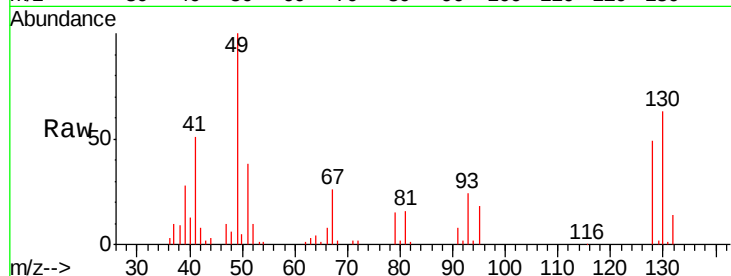
ClientSampleId :

VD1221SBS01

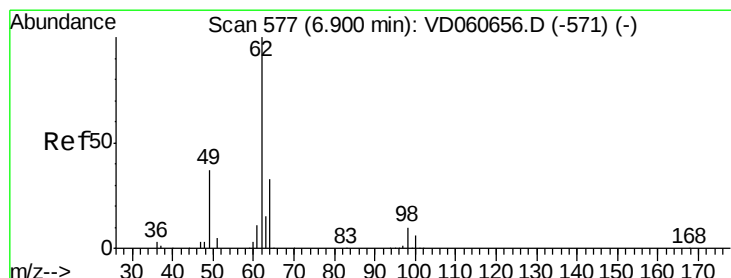
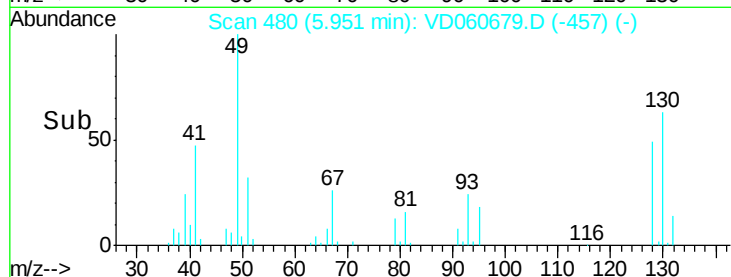
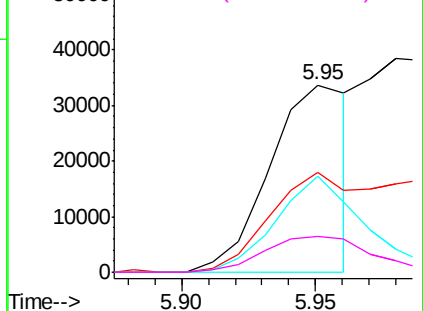
Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.7	37.6	56.4
67	51.1	33.0	49.6
52	19.0	15.5	23.3

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



#42

1,2-Dichloroethane

Concen: 20.500 ug/l

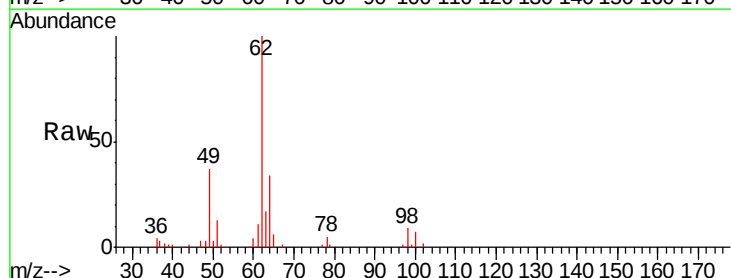
RT: 6.93 min Scan# 579

Delta R.T. 0.03 min

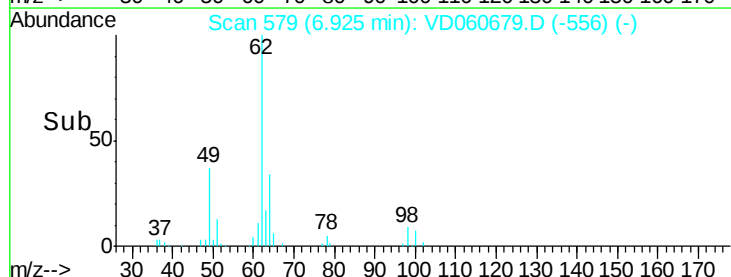
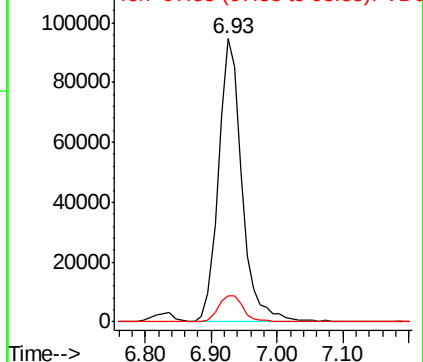
Lab File: VD060679.D

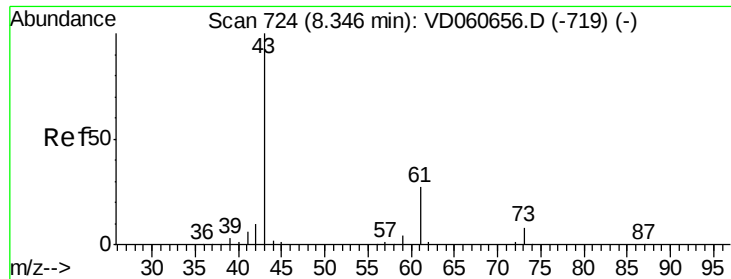
Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.4



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





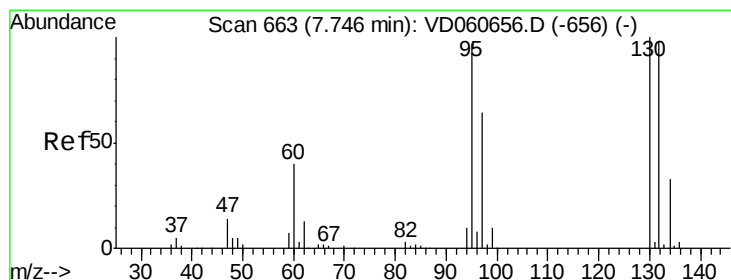
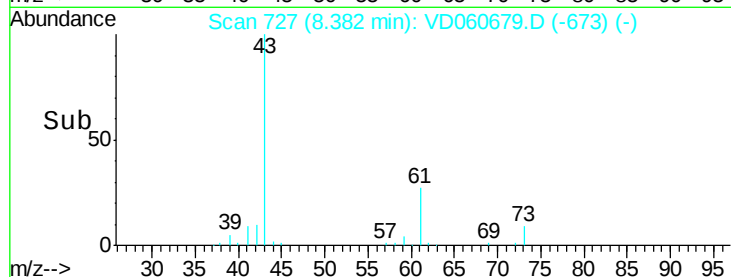
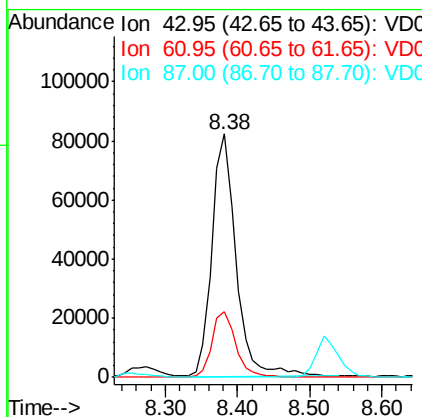
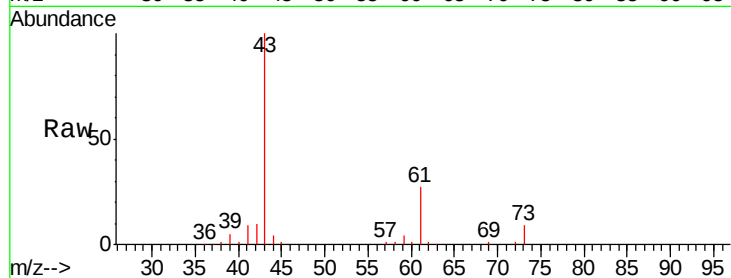
#43
Isopropyl Acetate
Concen: 19.609 ug/l
RT: 8.38 min Scan# 727
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.8	32.8
87	0.0	0.2	0.4

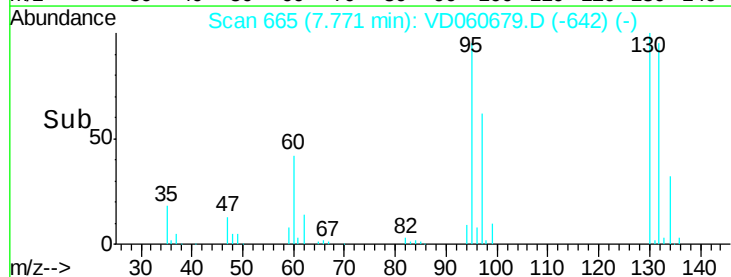
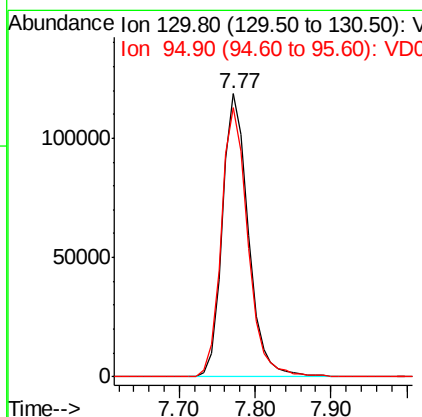
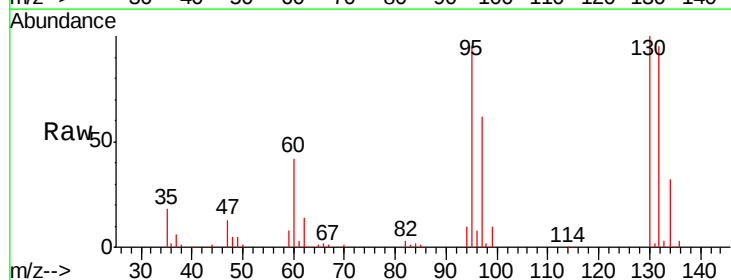
Manual Integrations
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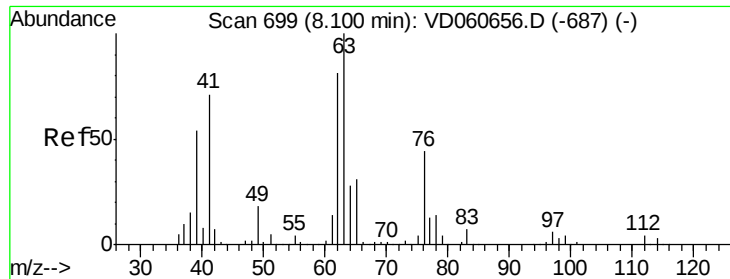
MMDadoda
12/26/2018 10:57:47 AM



#44
Trichloroethene
Concen: 20.628 ug/l
RT: 7.77 min Scan# 665
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	193.6





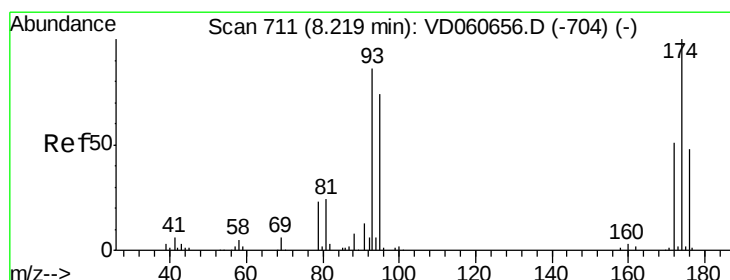
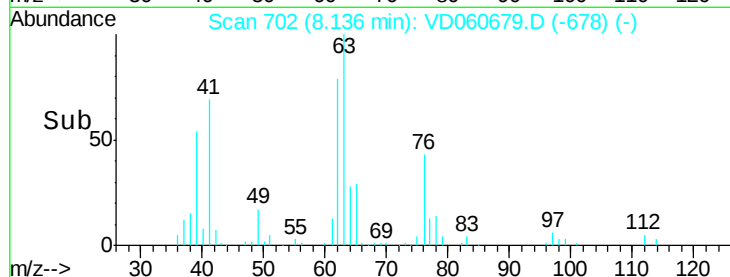
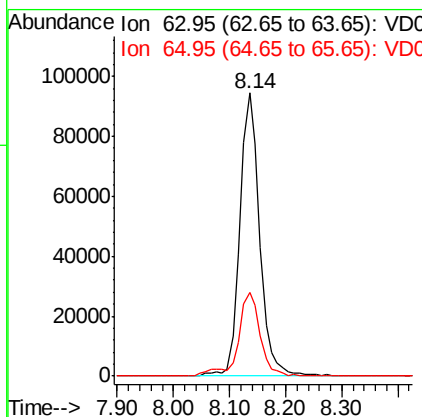
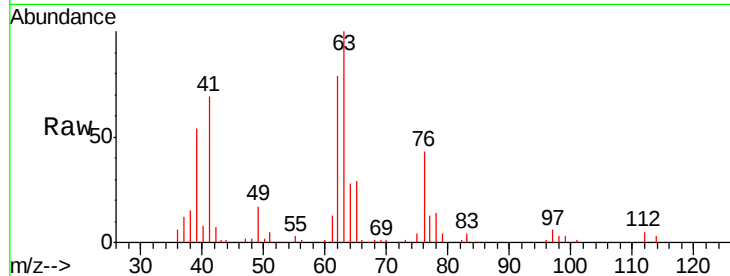
#45
1,2-Dichloropropane
Concen: 20.405 ug/l
RT: 8.14 min Scan# 702
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion: 63 Resp: 230977
Ion Ratio Lower Upper
63 100
65 29.4 25.0 37.6

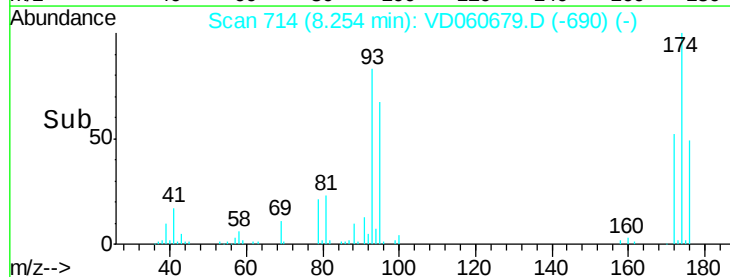
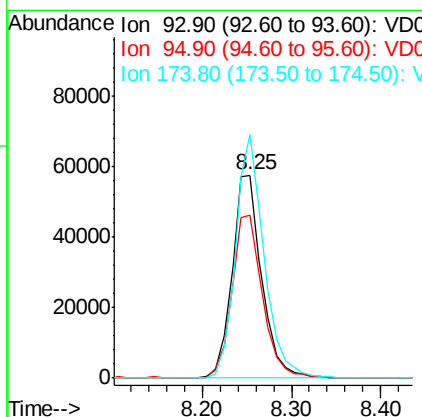
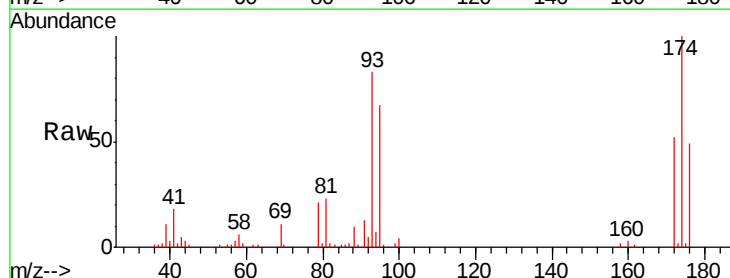
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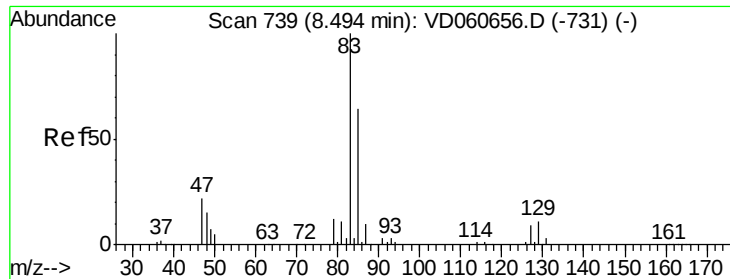
MMDadoda
12/26/2018 10:57:47 AM



#46
Dibromomethane
Concen: 20.602 ug/l
RT: 8.25 min Scan# 714
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 93 Resp: 133101
Ion Ratio Lower Upper
93 100
95 80.7 68.8 103.2
174 120.2 93.0 139.4





#47

Bromodichloromethane

Concen: 20.196 ug/l

RT: 8.52 min Scan# 741

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

Tgt Ion: 83 Resp: 309035
Ion Ratio Lower Upper

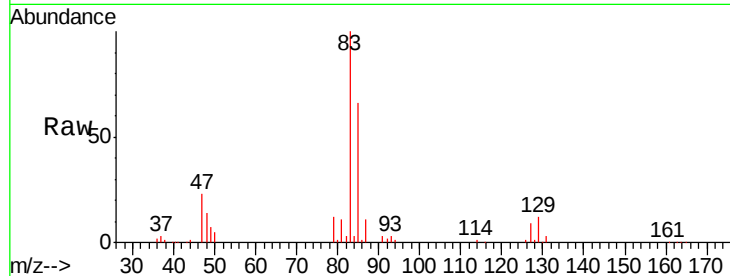
83 100

85 66.5 51.1 76.7

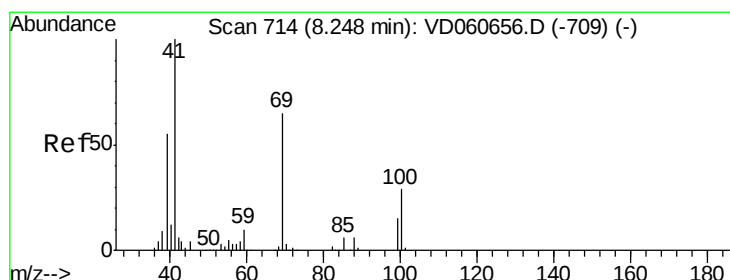
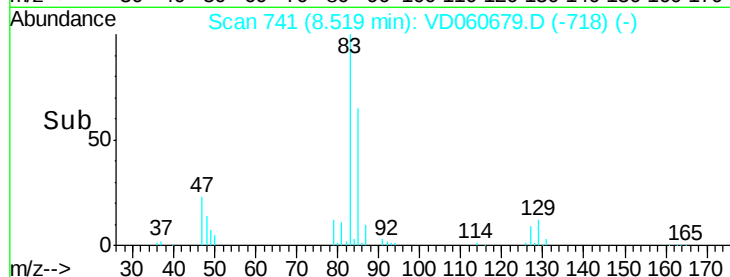
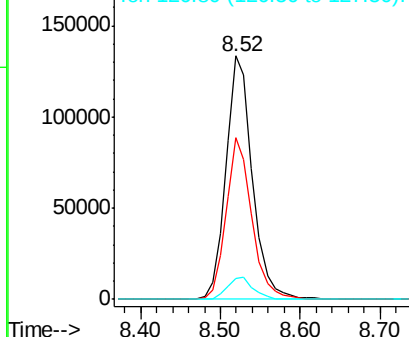
127 8.7 7.0 10.6

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.804 ug/l

RT: 8.27 min Scan# 716

Delta R.T. 0.03 min

Lab File: VD060679.D

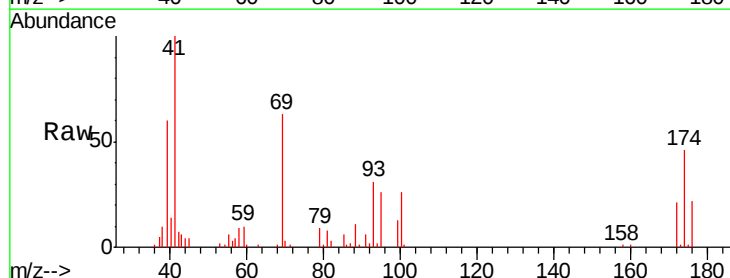
Acq: 21 Dec 2018 13:02

Tgt Ion: 41 Resp: 115356
Ion Ratio Lower Upper

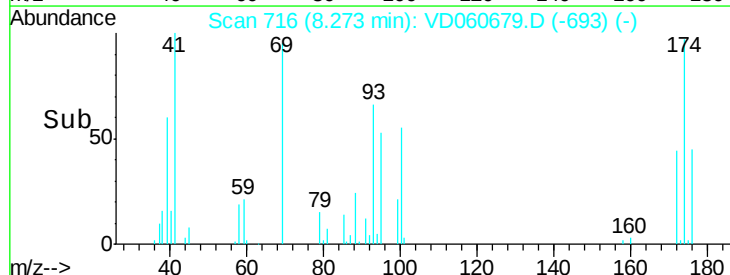
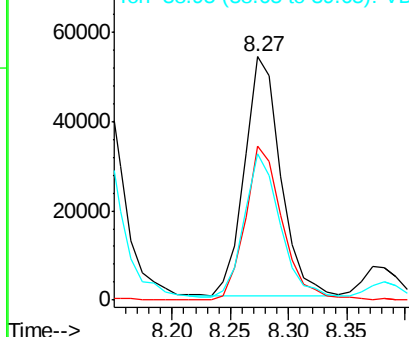
41 100

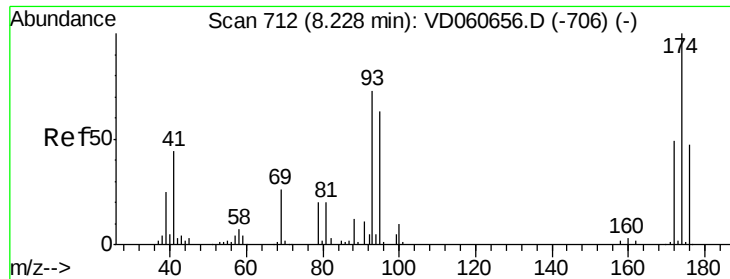
69 63.1 51.2 76.8

39 60.3 44.6 67.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





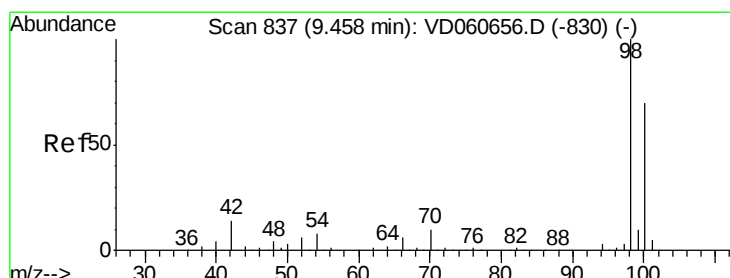
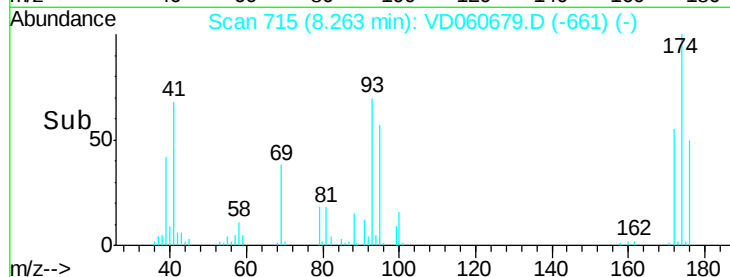
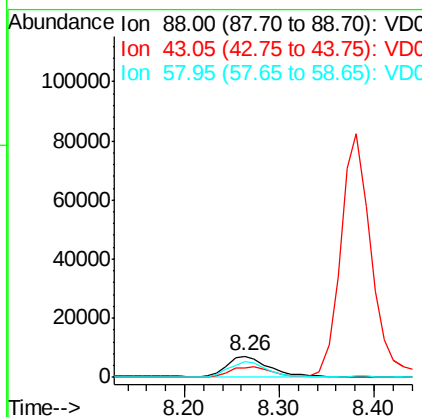
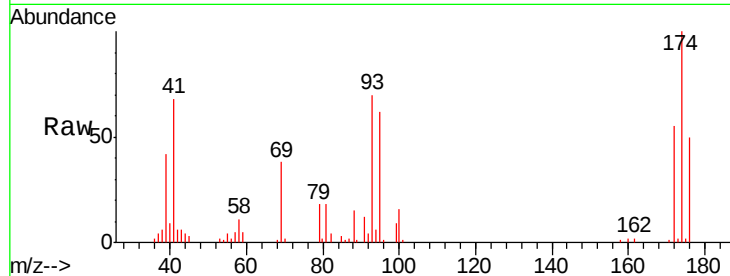
#49
1,4-Dioxane
Concen: 412.759 ug/l
RT: 8.26 min Scan# 715
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.5	31.5	47.3
58	78.2	50.6	76.0

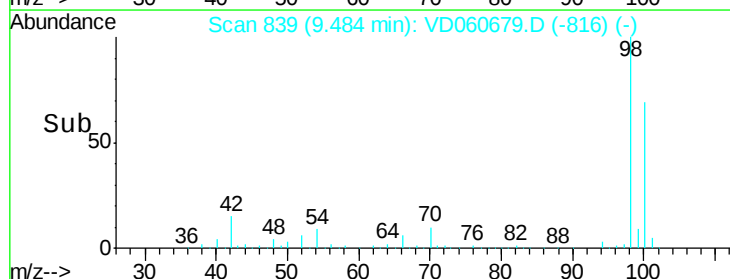
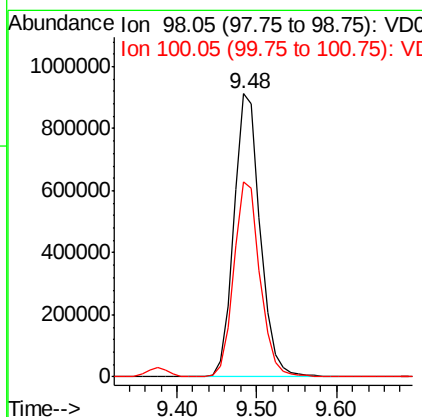
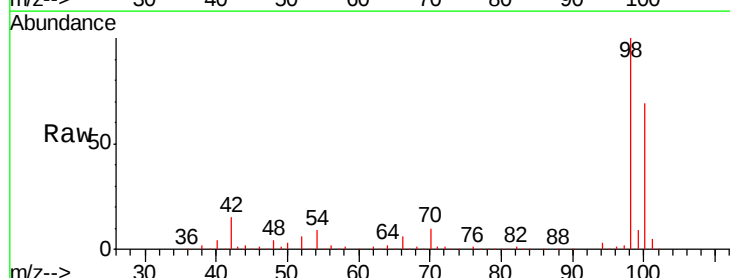
Manual Integrations
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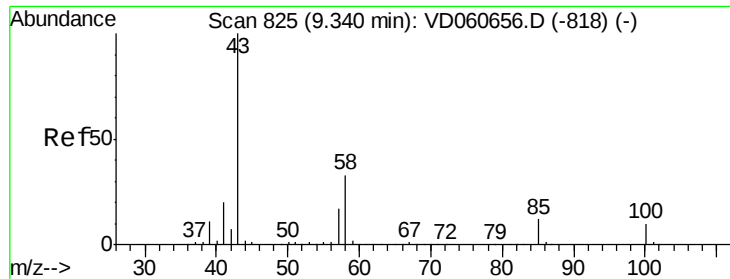
MMDadoda
12/26/2018 10:57:47 AM



#50
Toluene-d8
Concen: 412.759 ug/l
RT: 9.48 min Scan# 839
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.1	55.8	83.8





#51

4-Methyl-2-Pentanone

Concen: 103.911 ug/l

RT: 9.38 min Scan# 828

Delta R.T. 0.04 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

Tgt Ion: 43 Resp: 610566

Ion Ratio Lower Upper

43 100

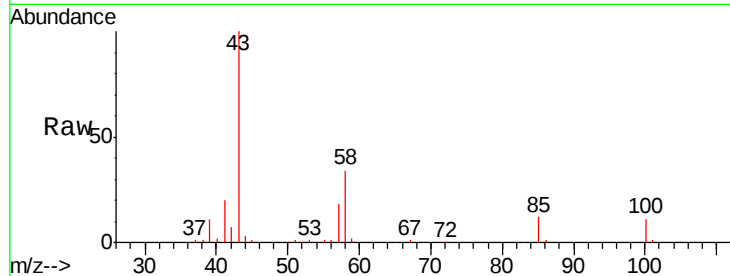
58 33.9 26.3 39.5

Manual Integrations

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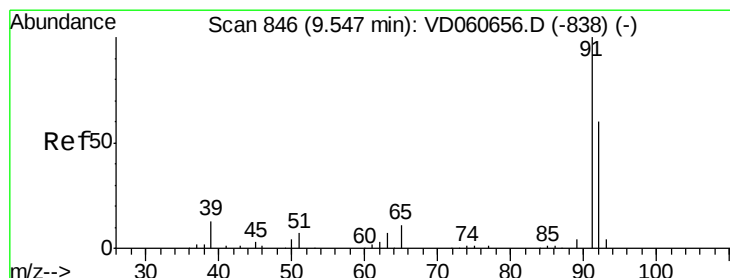
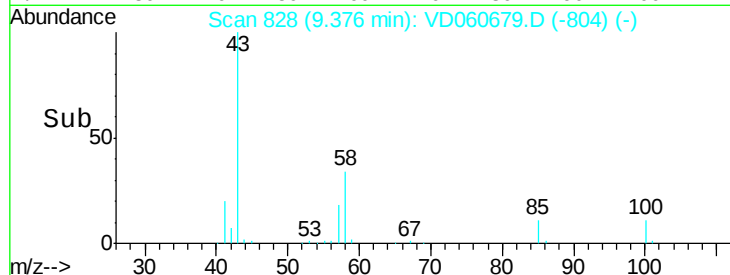
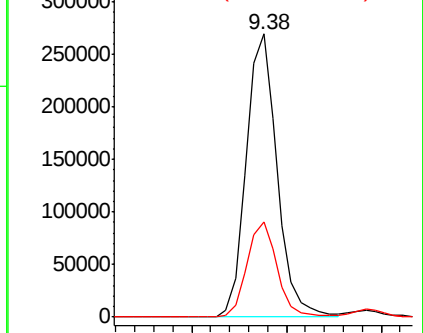
MMDadoda

12/26/2018 10:57:47 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.250 ug/l

RT: 9.58 min Scan# 849

Delta R.T. 0.04 min

Lab File: VD060679.D

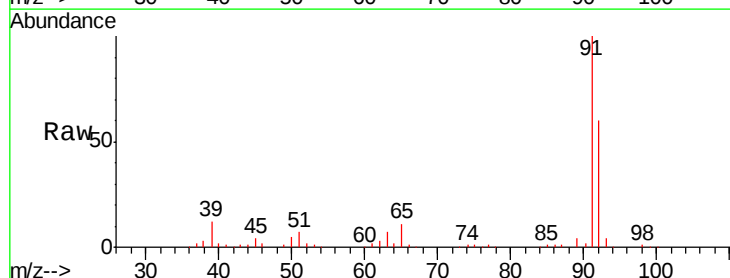
Acq: 21 Dec 2018 13:02

Tgt Ion: 92 Resp: 585959

Ion Ratio Lower Upper

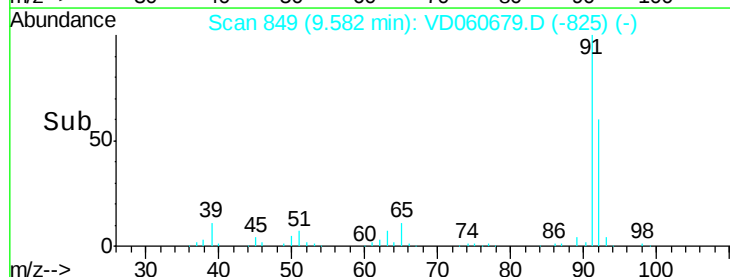
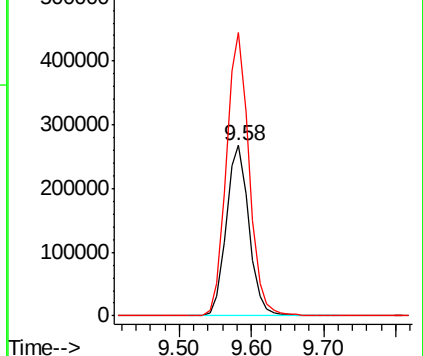
92 100

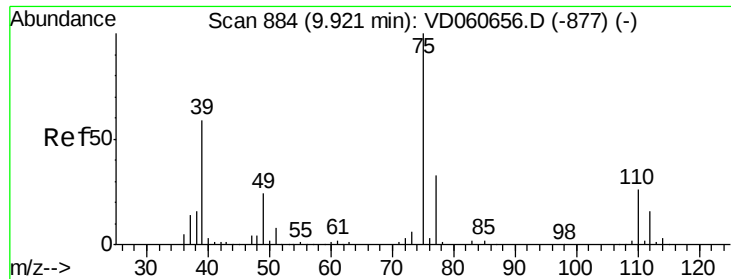
91 166.2 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





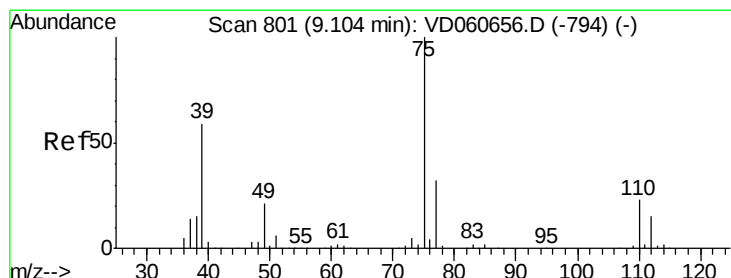
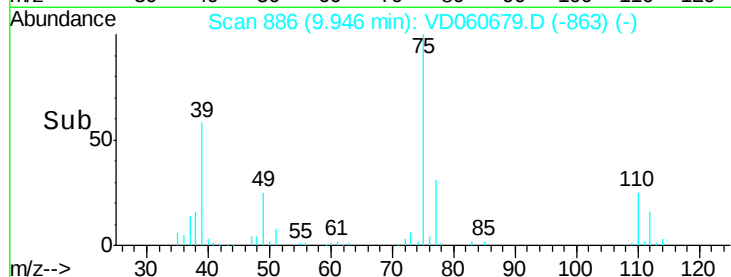
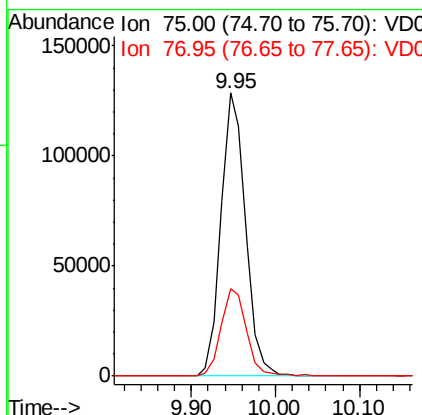
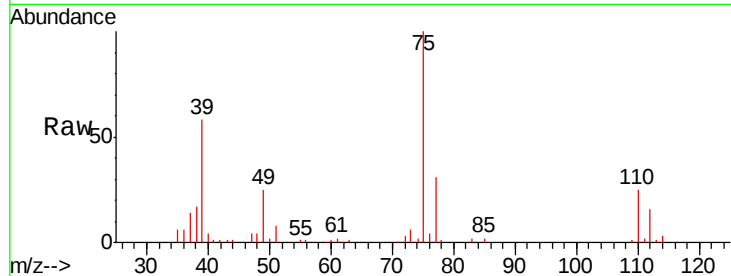
#53
t-1,3-Dichloropropene
Concen: 20.333 ug/l
RT: 9.95 min Scan# 886
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion: 75 Resp: 259569
Ion Ratio Lower Upper
75 100
77 30.9 26.0 39.0

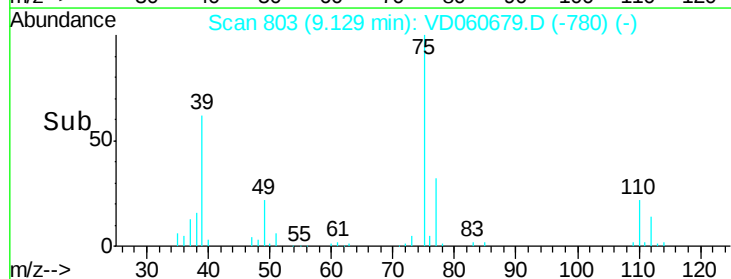
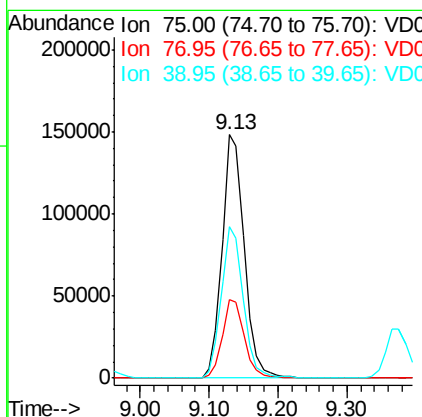
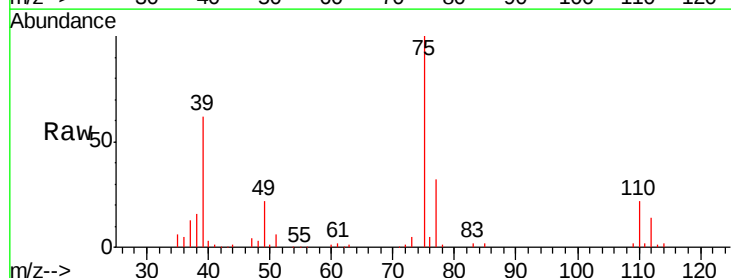
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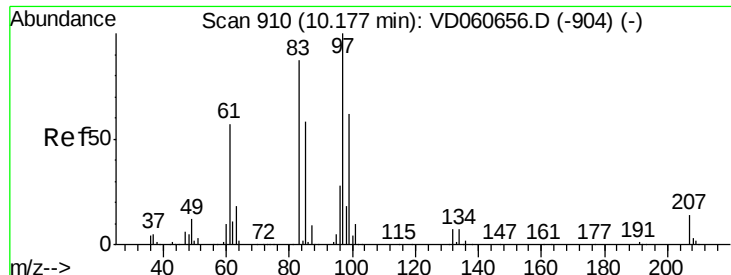
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.770 ug/l
RT: 9.13 min Scan# 803
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 75 Resp: 330344
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2
39 62.0 47.0 70.4





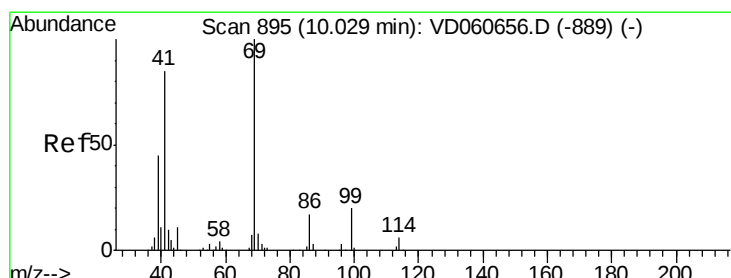
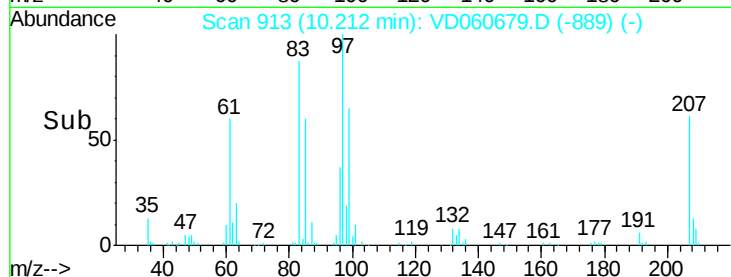
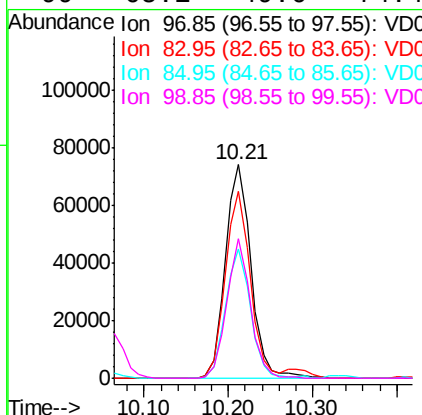
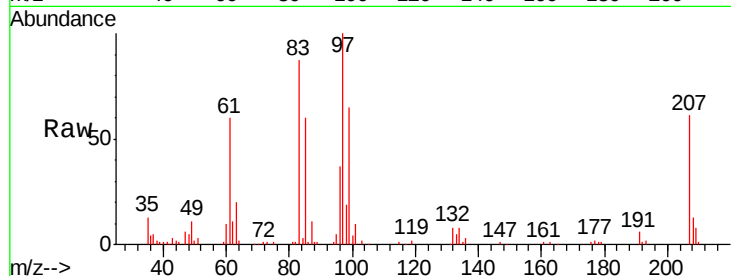
#55
 1,1,2-Trichloroethane
 Concen: 20.131 ug/l
 RT: 10.21 min Scan# 913
 Delta R.T. 0.04 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.0	105.0
85	60.3	46.6	70.0
99	65.1	49.6	74.4

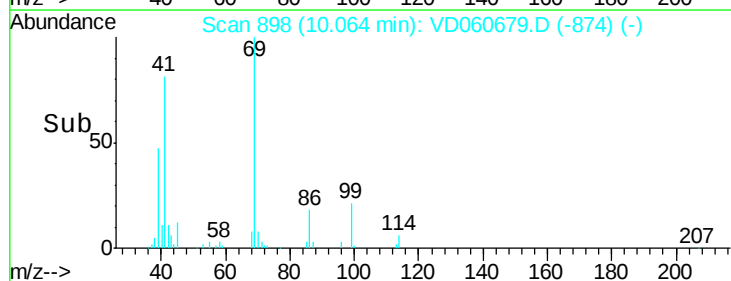
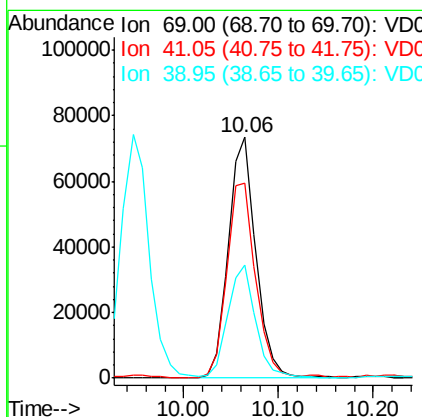
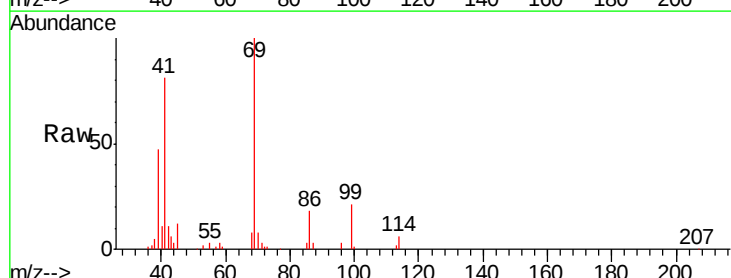
Manual Integrations
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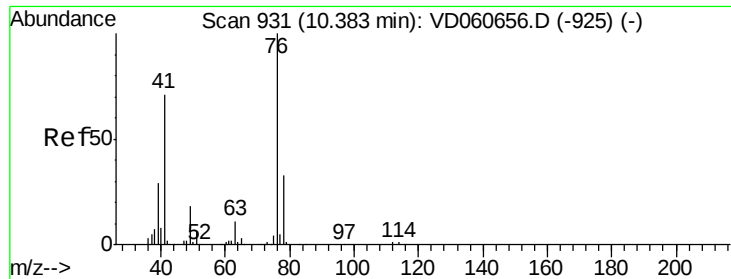
MMDadoda
 12/26/2018 10:57:47 AM



#56
 Ethyl methacrylate
 Concen: 20.453 ug/l
 RT: 10.06 min Scan# 898
 Delta R.T. 0.04 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	80.9	68.3	102.5
39	47.2	37.2	55.8





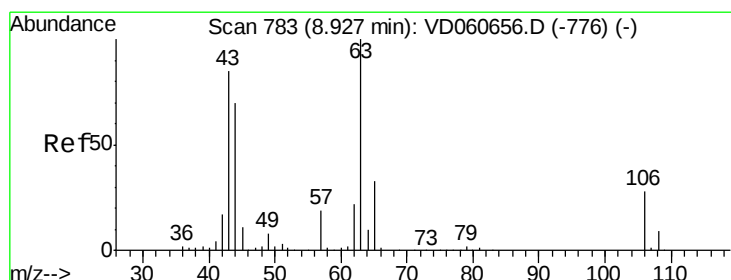
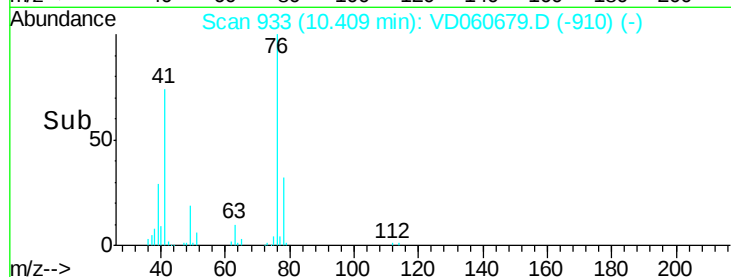
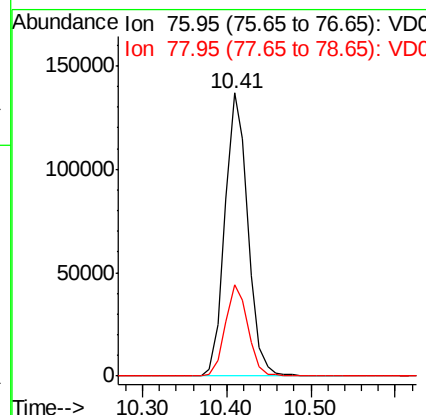
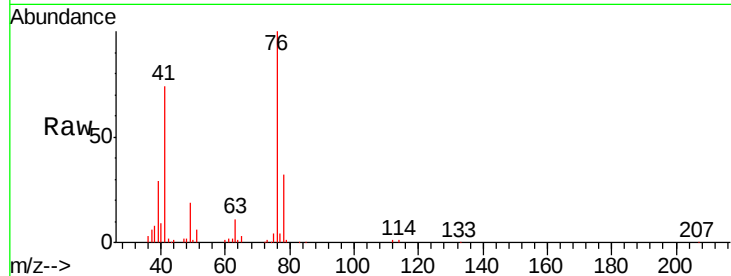
#57
 1,3-Dichloropropane
 Concen: 20.955 ug/l
 RT: 10.41 min Scan# 933
 Delta R.T. 0.03 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Tgt Ion: 76 Resp: 258589
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1

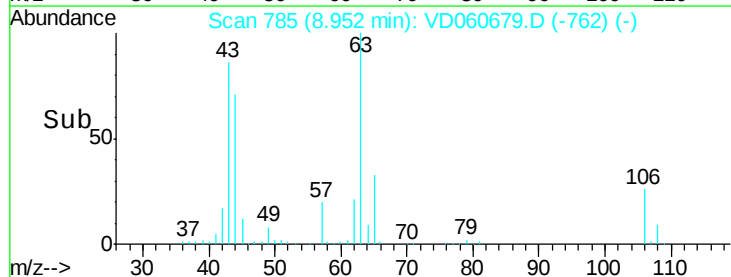
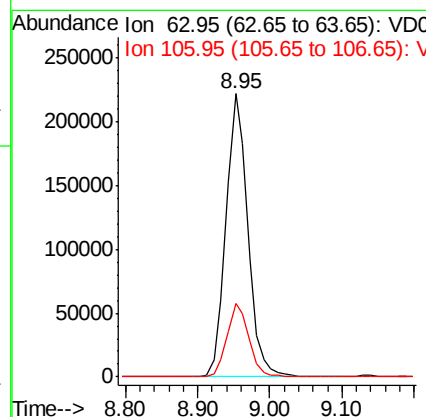
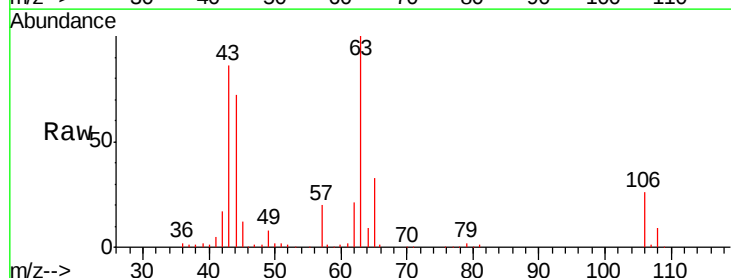
Manual Integrations
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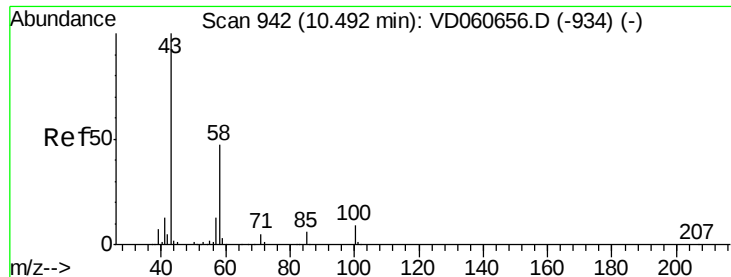
MMDadoda
 12/26/2018 10:57:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.854 ug/l
 RT: 8.95 min Scan# 785
 Delta R.T. 0.03 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion: 63 Resp: 463818
 Ion Ratio Lower Upper
 63 100
 106 26.1 22.4 33.6





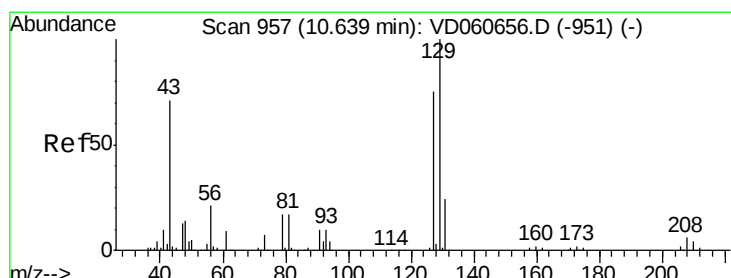
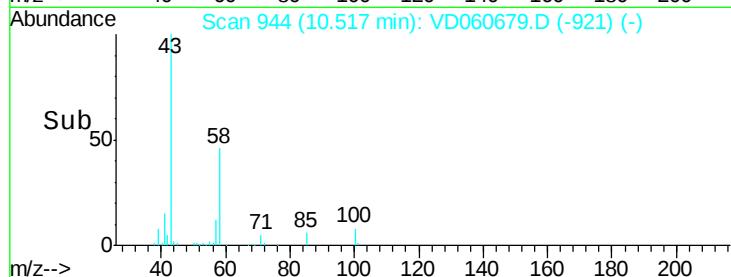
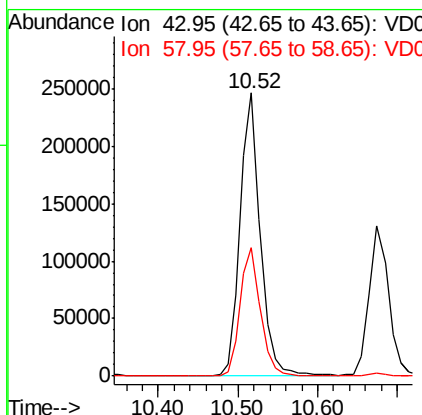
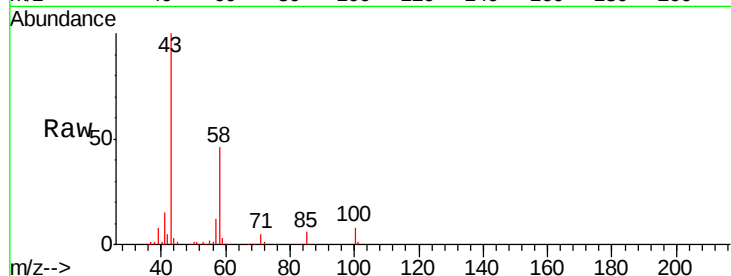
#59
2-Hexanone
Concen: 106.290 ug/l
RT: 10.52 min Scan# 944
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion: 43 Resp: 437158
Ion Ratio Lower Upper
43 100
58 45.6 23.5 70.5

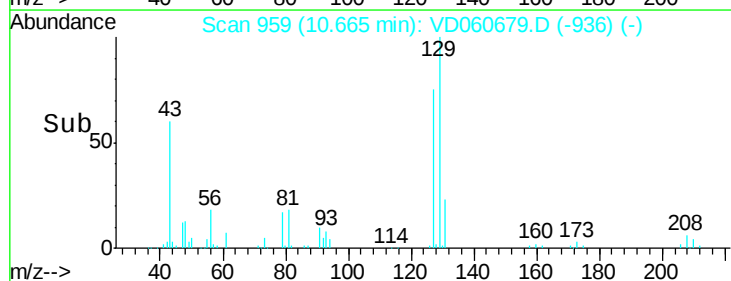
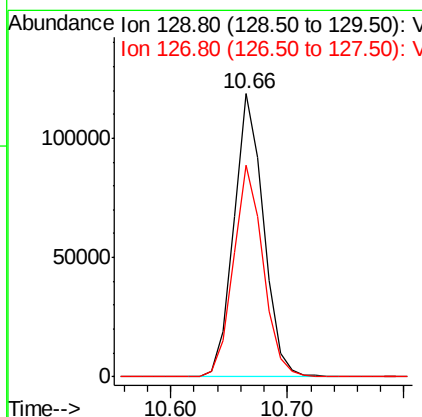
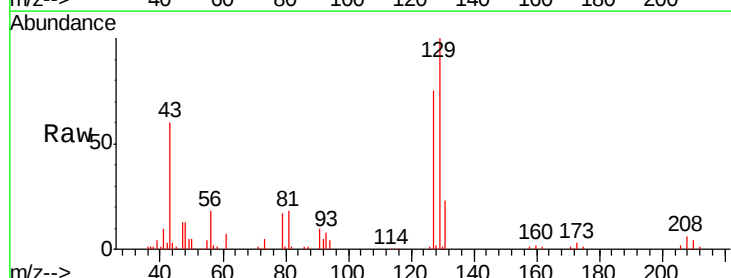
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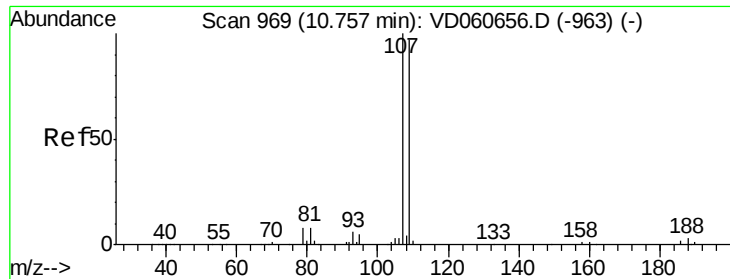
MMDadoda
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#60
Dibromochloromethane
Concen: 21.055 ug/l
RT: 10.66 min Scan# 959
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 129 Resp: 208801
Ion Ratio Lower Upper
129 100
127 74.9 37.6 112.9





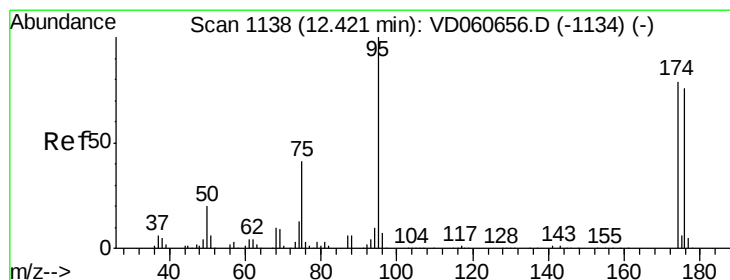
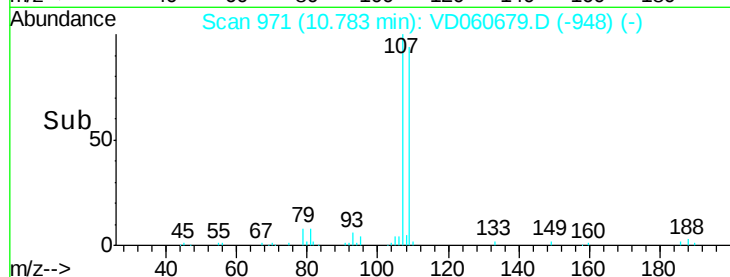
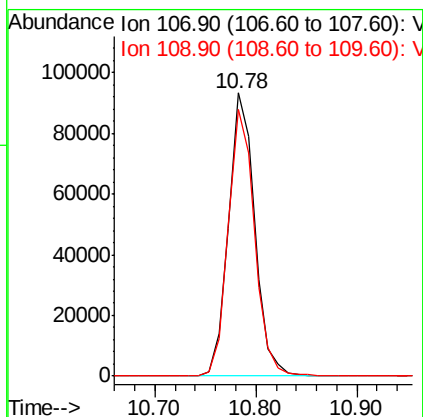
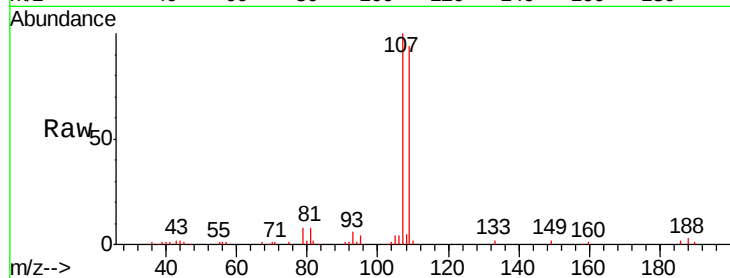
#61
1,2-Dibromoethane
Concen: 20.741 ug/l
RT: 10.78 min Scan# 971
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBSD01

Tgt Ion: 107 Resp: 167492
Ion Ratio Lower Upper
107 100
109 94.1 78.0 117.0

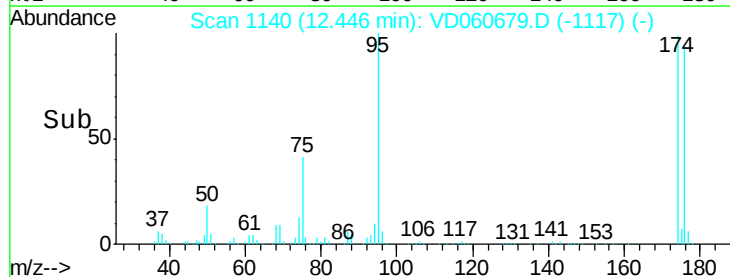
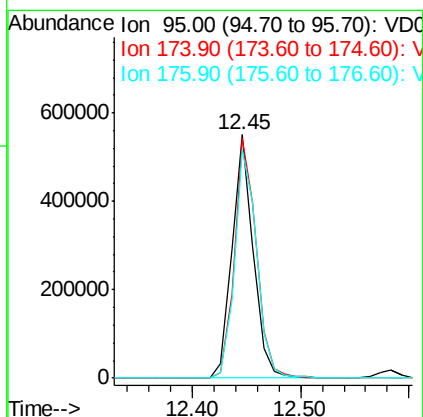
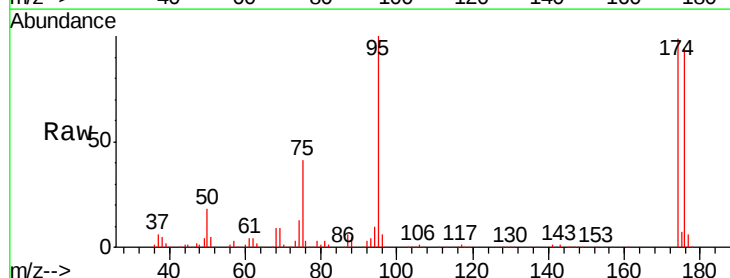
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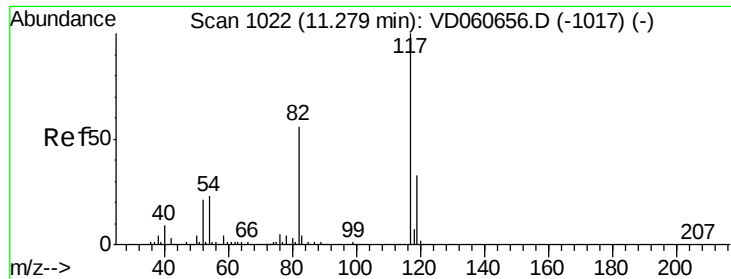
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#62
4-Bromofluorobenzene
Concen: 20.741 ug/l
RT: 12.45 min Scan# 1140
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 95 Resp: 751818
Ion Ratio Lower Upper
95 100
174 98.7 0.0 158.2
176 93.6 0.0 152.4





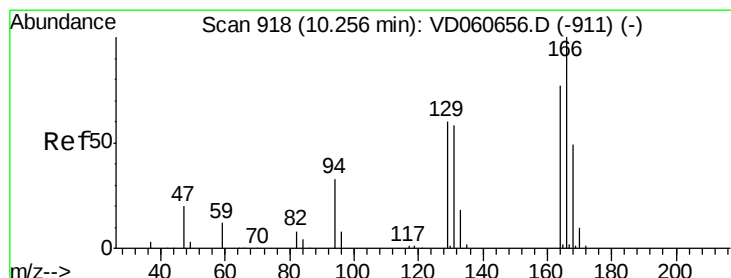
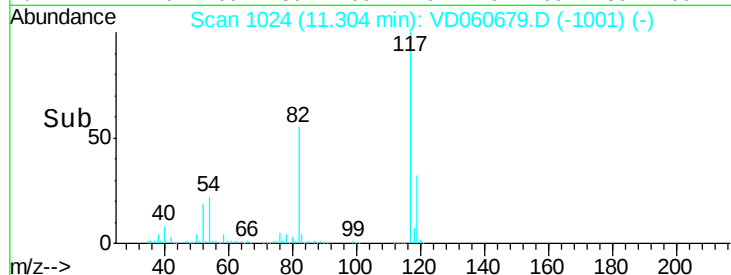
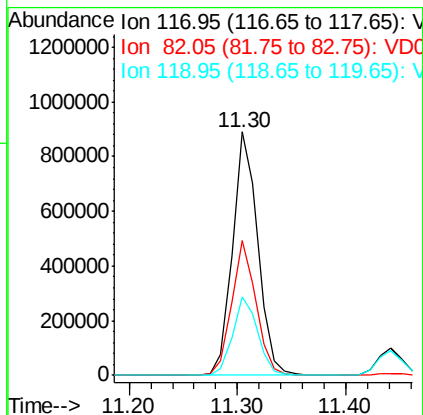
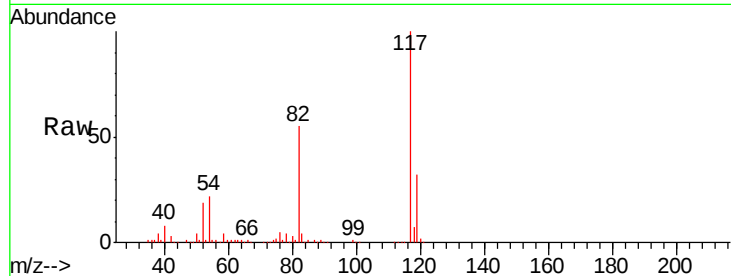
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 1024
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion:117 Resp: 1443442
Ion Ratio Lower Upper
117 100
82 55.3 44.5 66.7
119 32.4 26.3 39.5

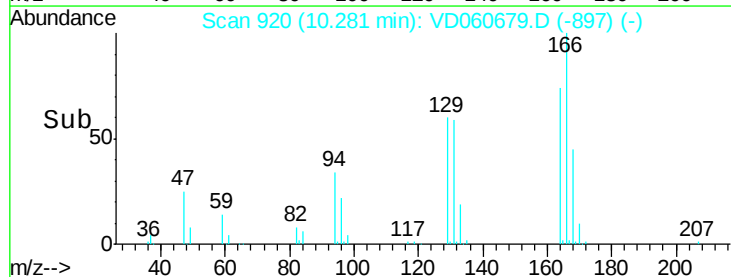
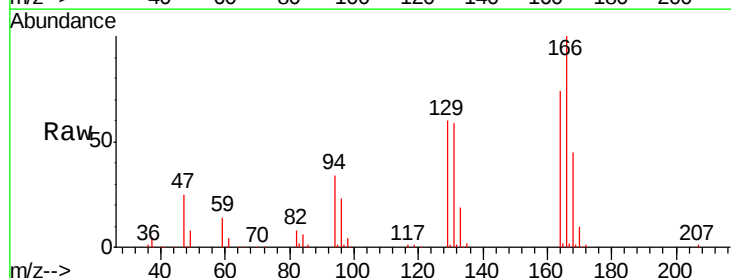
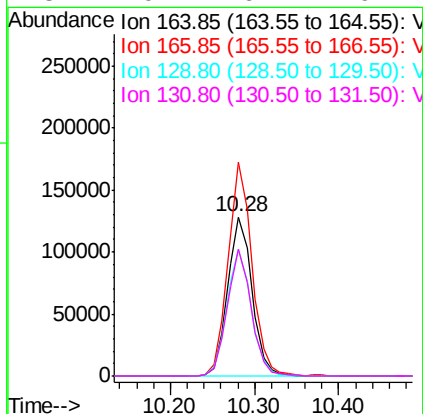
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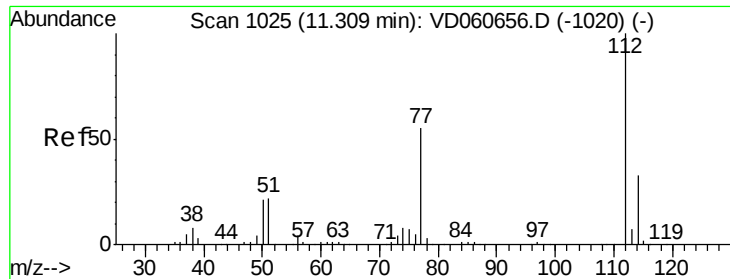
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#64
Tetrachloroethene
Concen: 19.664 ug/l
RT: 10.28 min Scan# 920
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion:164 Resp: 257261
Ion Ratio Lower Upper
164 100
166 134.4 104.4 156.6
129 80.0 62.7 94.1
131 79.7 61.1 91.7





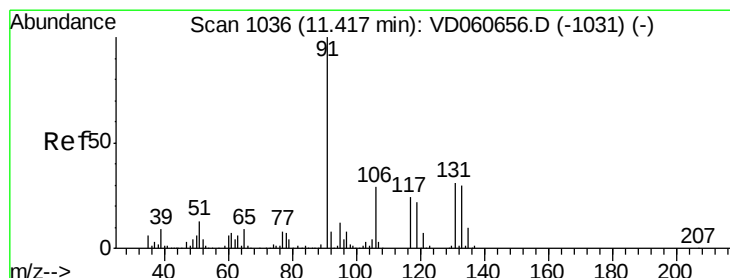
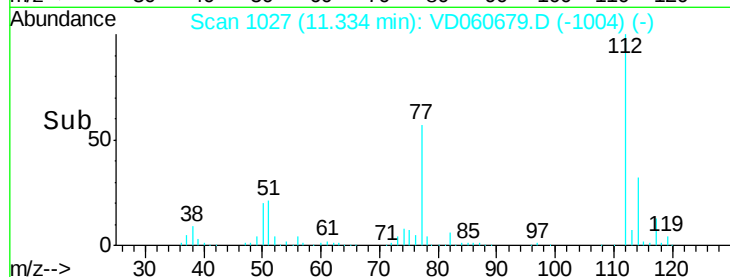
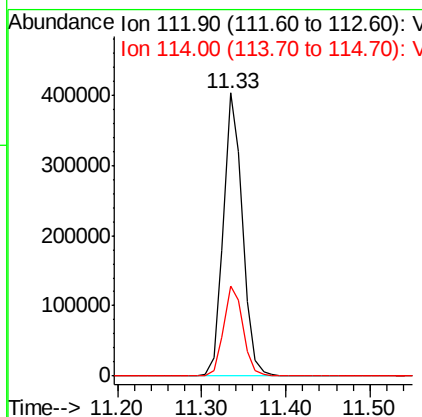
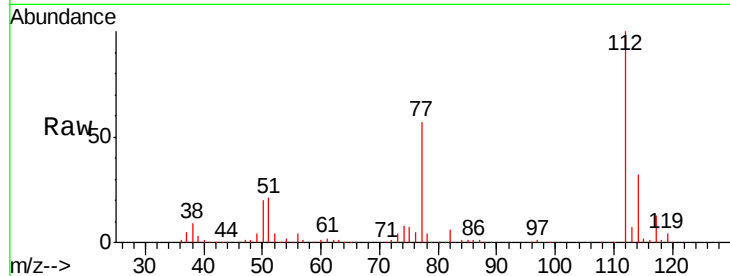
#65
Chlorobenzene
Concen: 19.872 ug/l
RT: 11.33 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBSD01

Tgt Ion:112 Resp: 633739
Ion Ratio Lower Upper
112 100
114 31.9 26.1 39.1

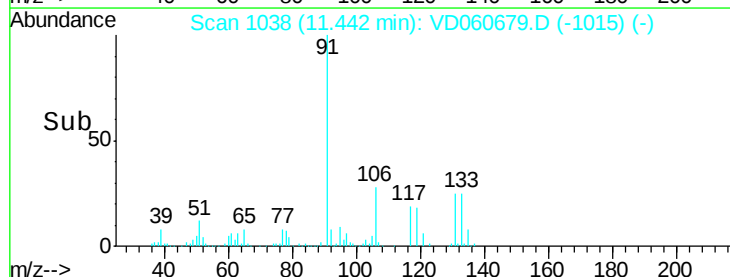
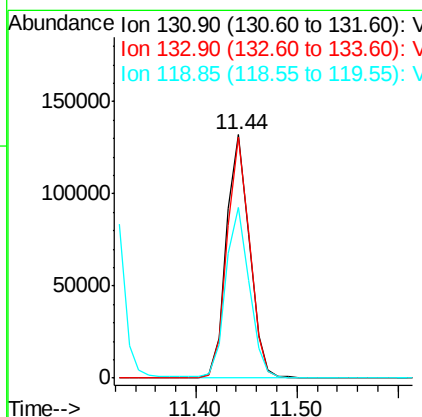
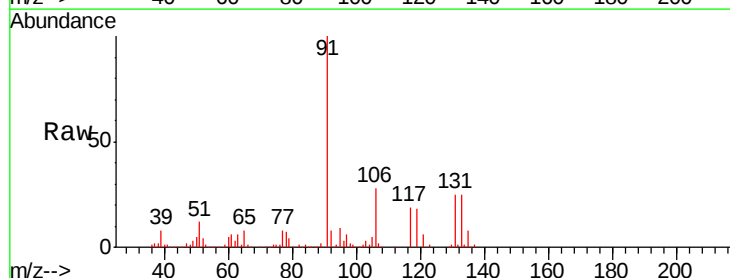
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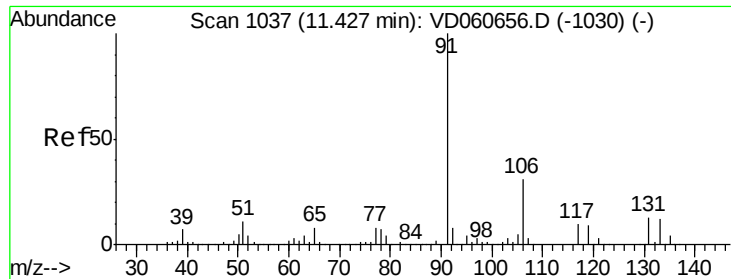
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.508 ug/l
RT: 11.44 min Scan# 1038
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion:131 Resp: 210288
Ion Ratio Lower Upper
131 100
133 99.0 49.1 147.3
119 70.1 36.6 109.8





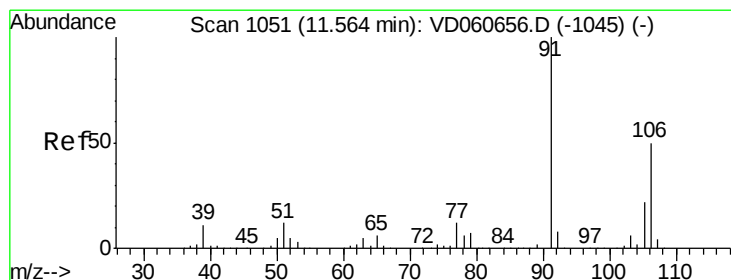
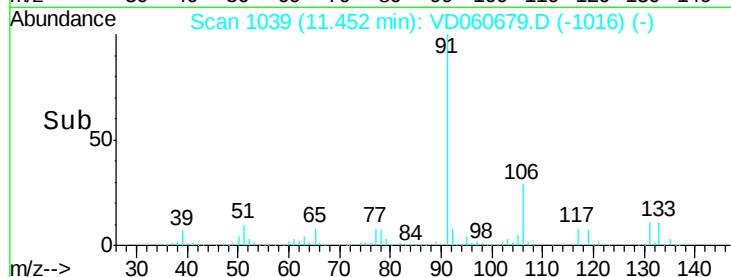
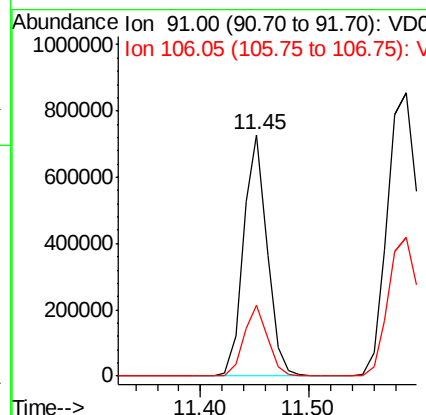
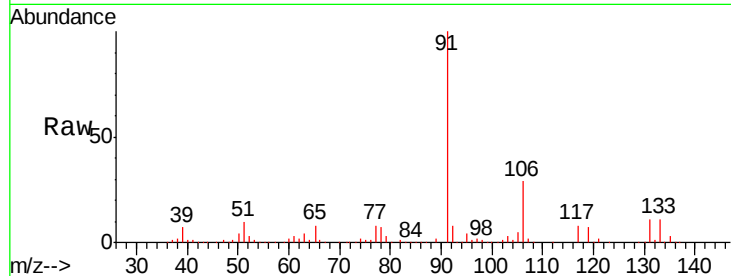
#67
Ethyl Benzene
Concen: 20.198 ug/l
RT: 11.45 min Scan# 1039
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion: 91 Resp: 1103122
Ion Ratio Lower Upper
91 100
106 29.2 24.6 36.8

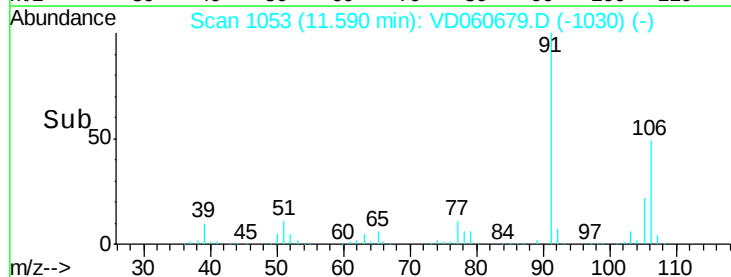
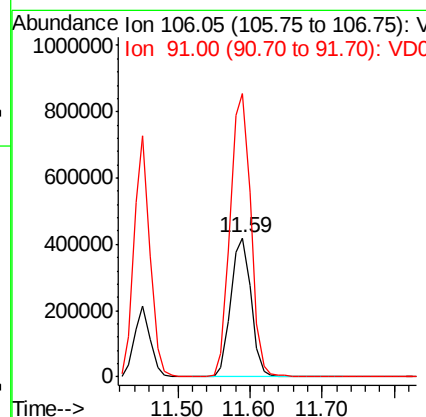
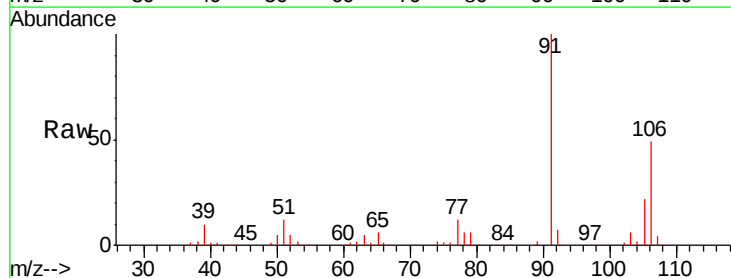
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#68
m/p-Xylenes
Concen: 41.169 ug/l
RT: 11.59 min Scan# 1053
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 106 Resp: 821730
Ion Ratio Lower Upper
106 100
91 203.2 158.9 238.3





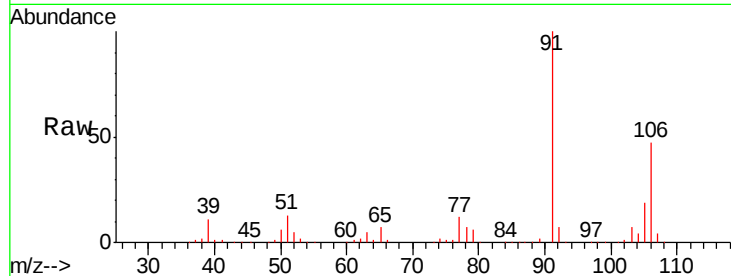
#69
o-Xylene
Concen: 20.704 ug/l
RT: 11.95 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

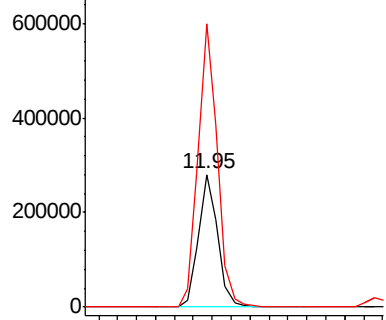
Tgt Ion:106 Resp: 392059
Ion Ratio Lower Upper
106 100
91 213.7 101.5 304.5

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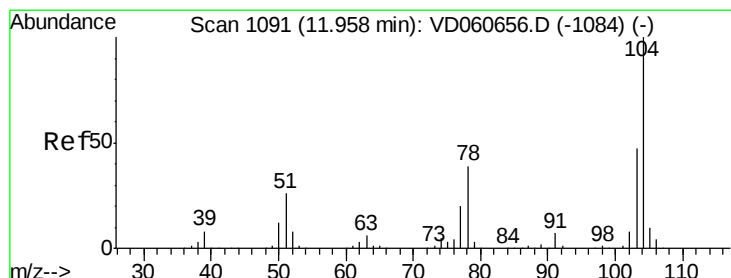
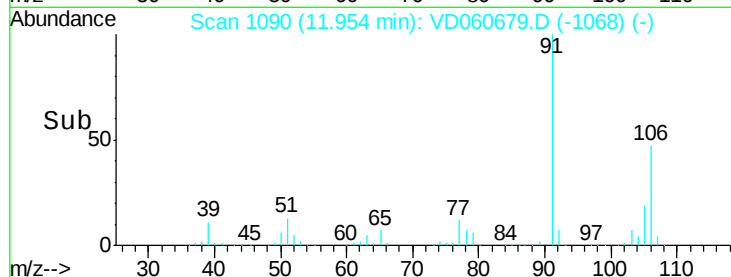
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

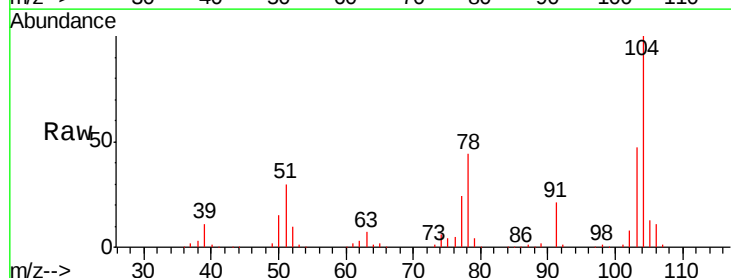


Time-->

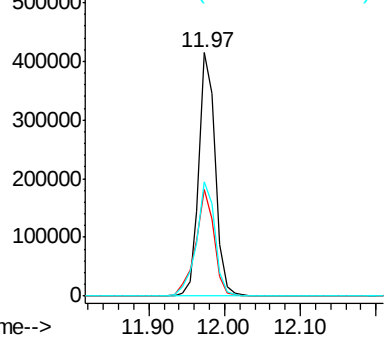


#70
Styrene
Concen: 20.320 ug/l
RT: 11.97 min Scan# 1092
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

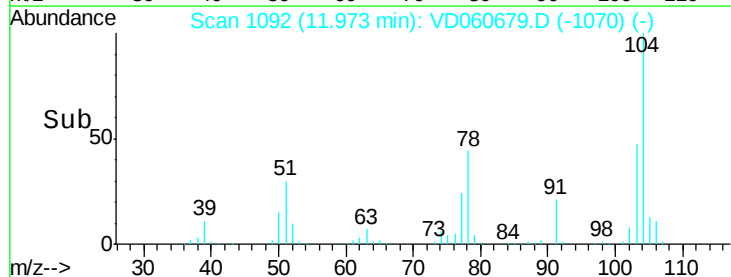
Tgt Ion:104 Resp: 619726
Ion Ratio Lower Upper
104 100
78 43.9 31.4 47.2
103 47.1 37.5 56.3

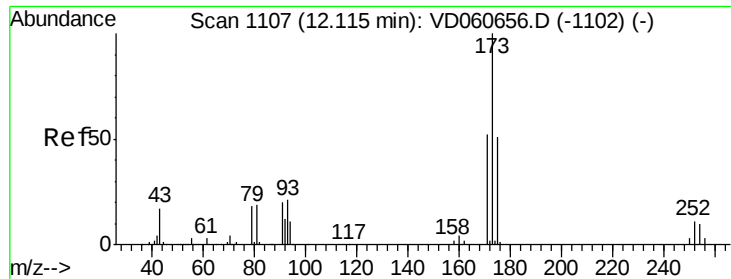


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 19.962 ug/l

RT: 12.14 min Scan# 1109

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

Tgt Ion:173 Resp: 135115

Ion Ratio Lower Upper

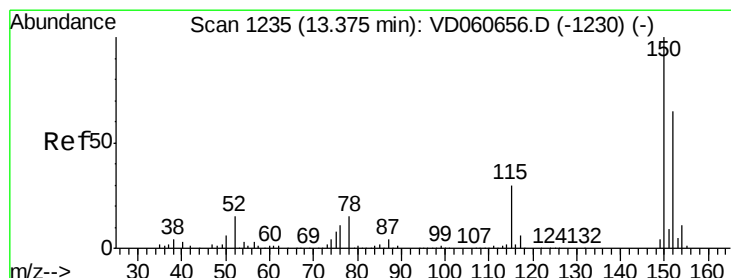
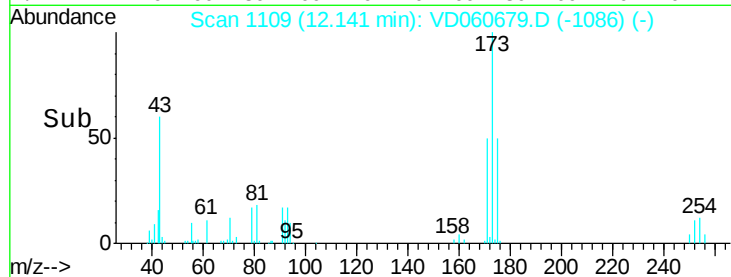
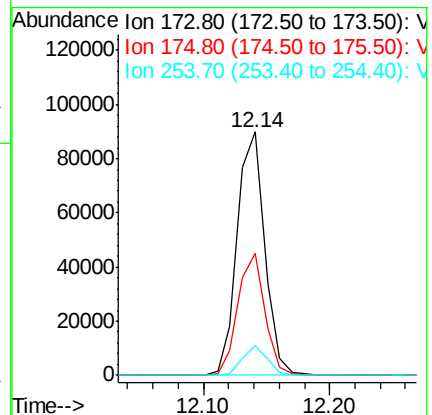
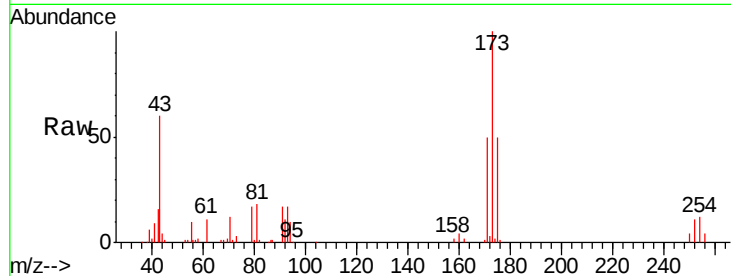
173 100

175 50.4 25.5 76.5

254 12.5 7.9 11.9#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.39 min Scan# 1236

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

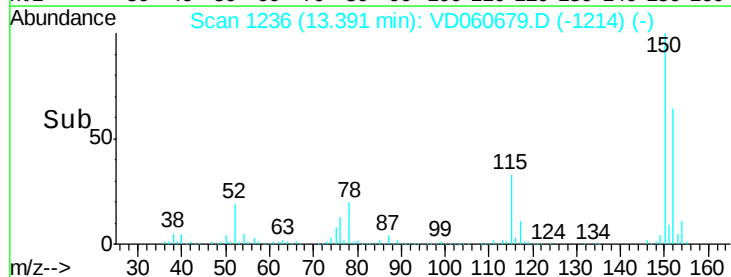
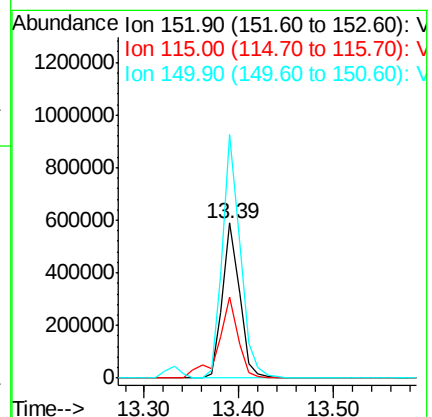
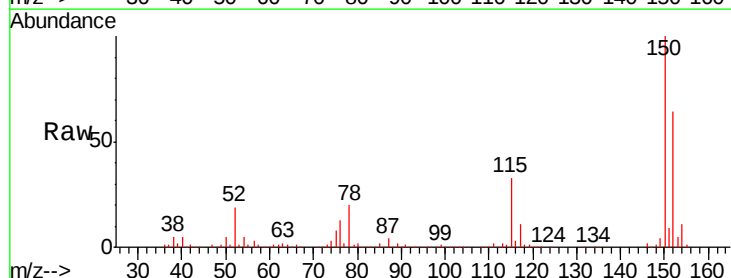
Tgt Ion:152 Resp: 751865

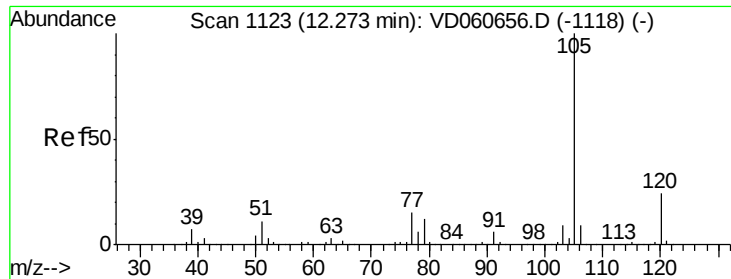
Ion Ratio Lower Upper

152 100

115 52.0 24.1 72.3

150 156.8 0.0 315.0





#73

Isopropylbenzene

Concen: 20.360 ug/l

RT: 12.30 min Scan# 1125

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

Tgt Ion:105 Resp: 1089918

Ion Ratio Lower Upper

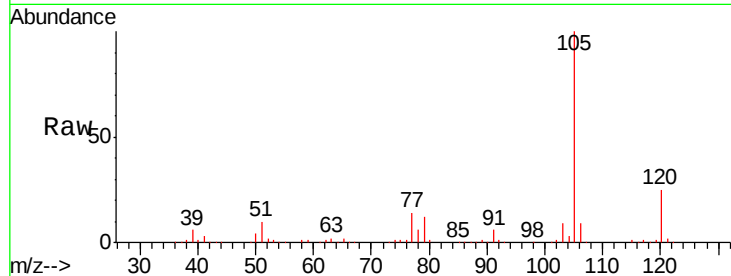
105 100

120 24.8 12.2 36.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

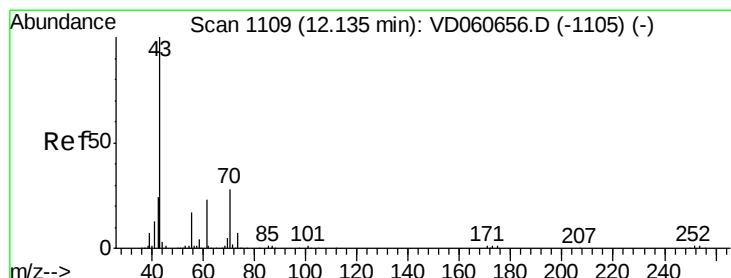
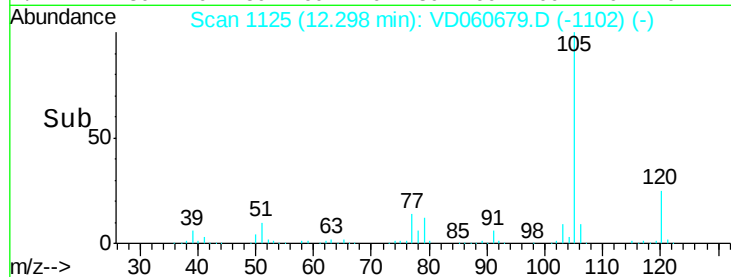
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.619 ug/l

RT: 12.15 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Tgt Ion: 43 Resp: 247868

Ion Ratio Lower Upper

43 100

70 27.1 22.2 33.2

55 17.1 13.8 20.8

61 21.5 18.2 27.2

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

250000

200000

150000

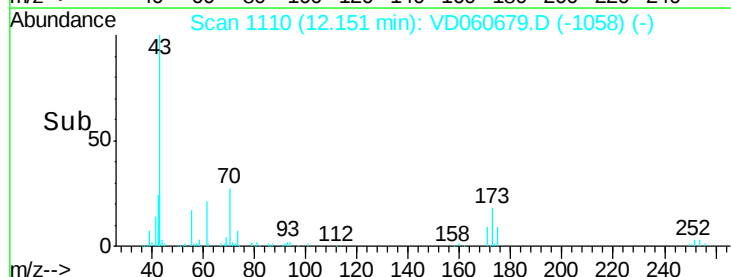
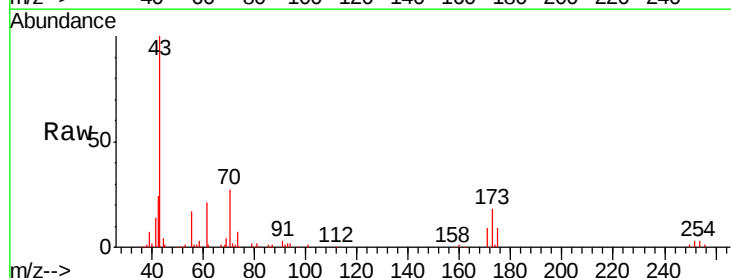
100000

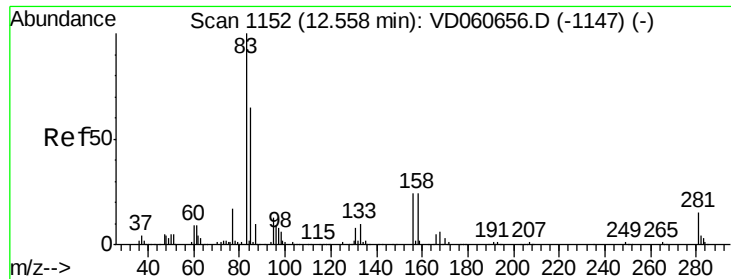
50000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.294 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

Tgt Ion: 83 Resp: 184768

Ion Ratio Lower Upper

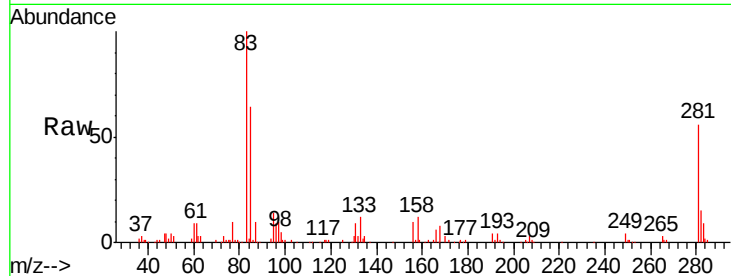
83 100

131 8.6 4.2 12.4

85 64.5 32.6 97.7

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12/26/2018 10:57:47 AM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.58

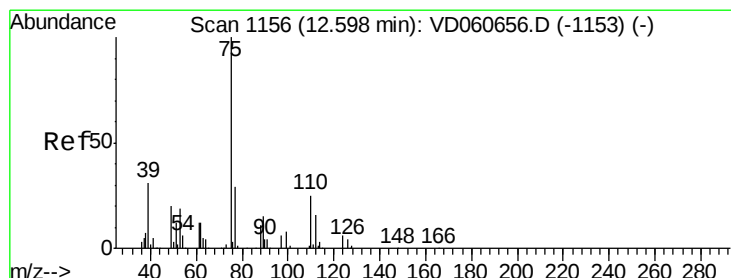
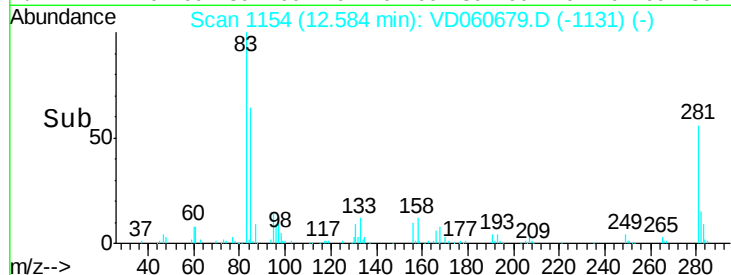
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.293 ug/l

RT: 12.61 min Scan# 1157

Delta R.T. 0.02 min

Lab File: VD060679.D

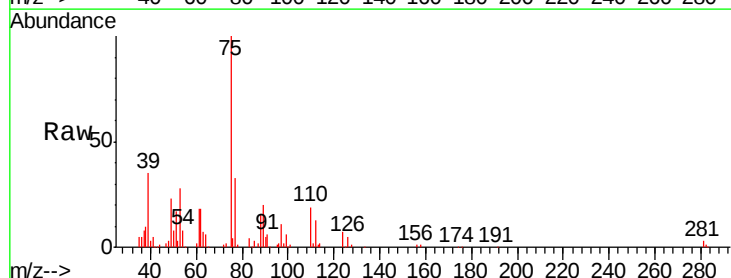
Acq: 21 Dec 2018 13:02

Tgt Ion: 75 Resp: 173708

Ion Ratio Lower Upper

75 100

77 33.2 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

250000

200000

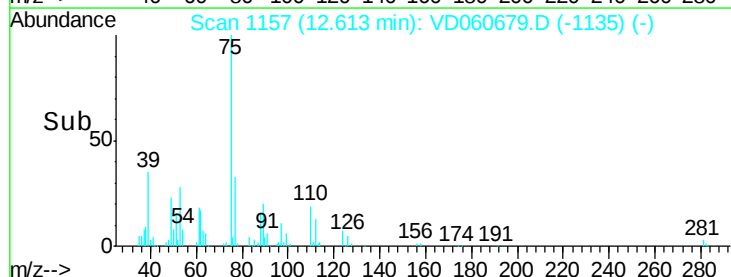
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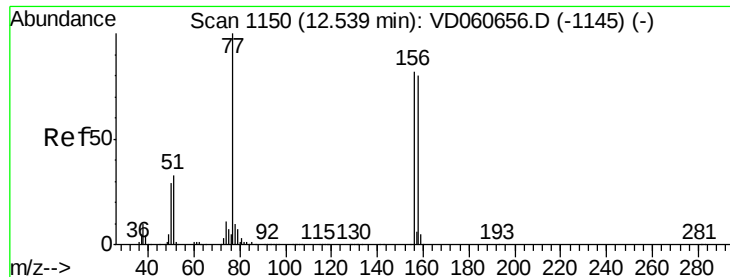
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Time-->





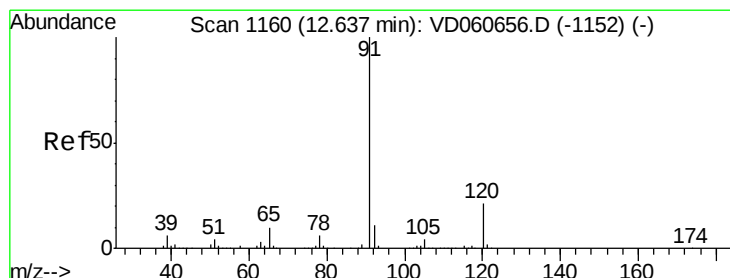
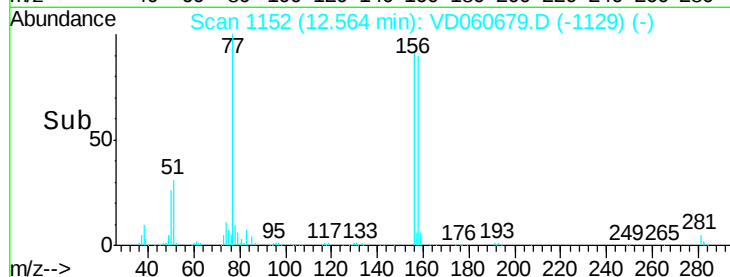
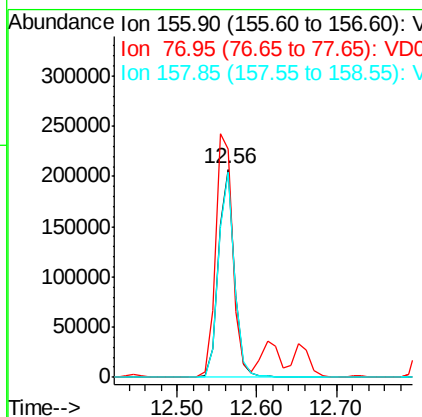
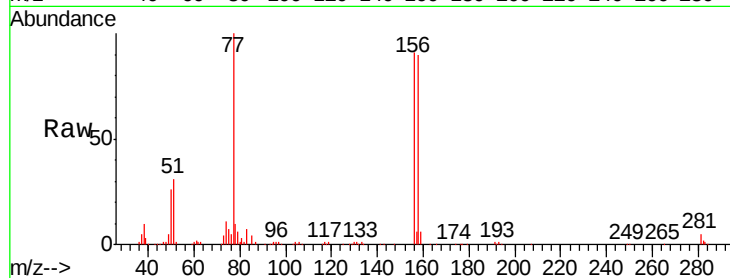
#77
Bromobenzene
Concen: 20.579 ug/l
RT: 12.56 min Scan# 1152
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	109.7	61.3	183.9
158	98.9	48.9	146.6

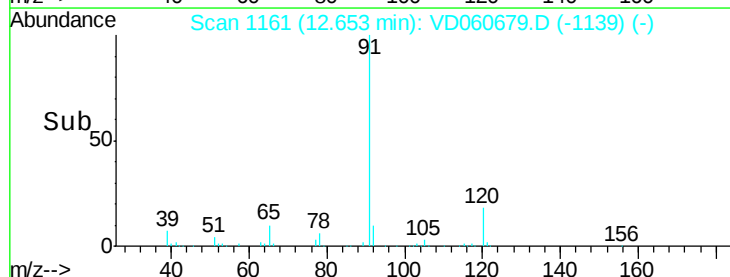
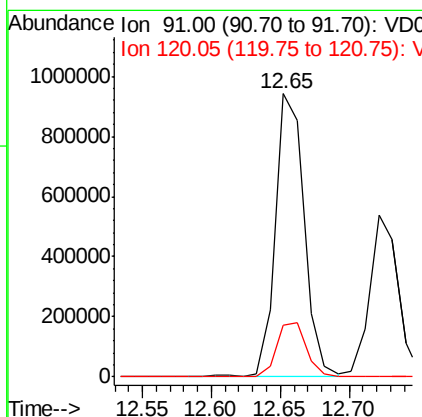
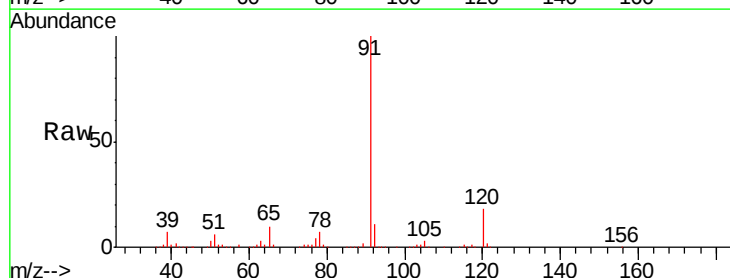
Manual Integrations
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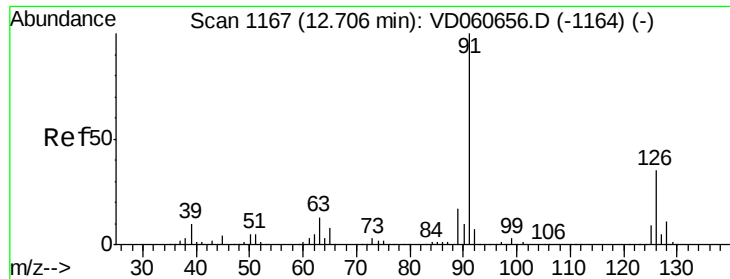
MMDadoda
12/26/2018 10:57:47 AM



#78
n-propylbenzene
Concen: 19.855 ug/l
RT: 12.65 min Scan# 1161
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.3	10.4	31.2





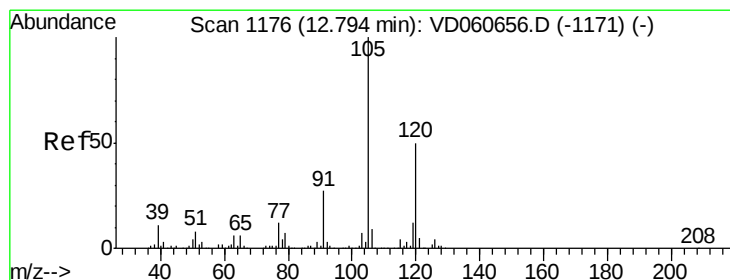
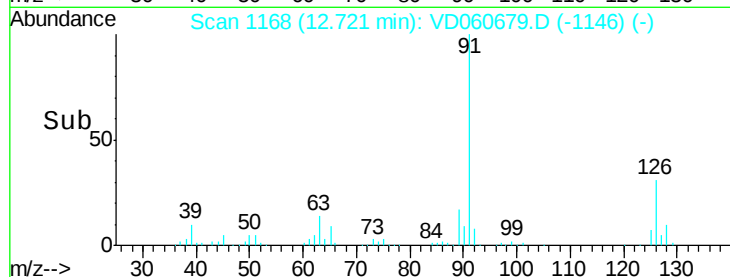
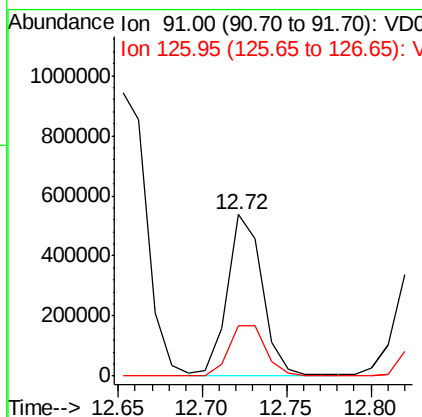
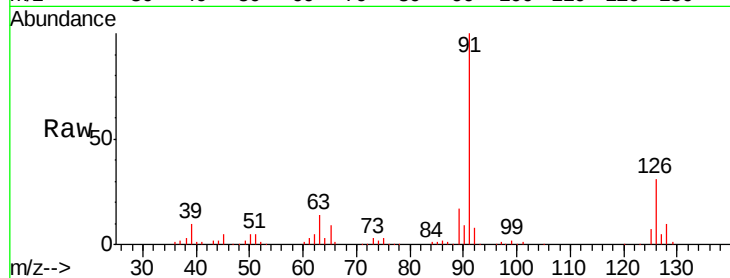
#79
 2-Chlorotoluene
 Concen: 20.868 ug/l
 RT: 12.72 min Scan# 1168
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1221SBS01

Tgt Ion: 91 Resp: 764943
 Ion Ratio Lower Upper
 91 100
 126 31.2 17.2 51.5

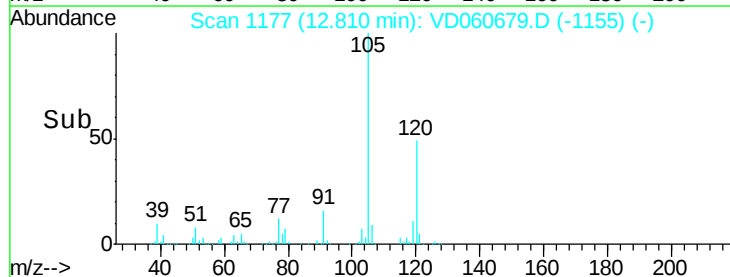
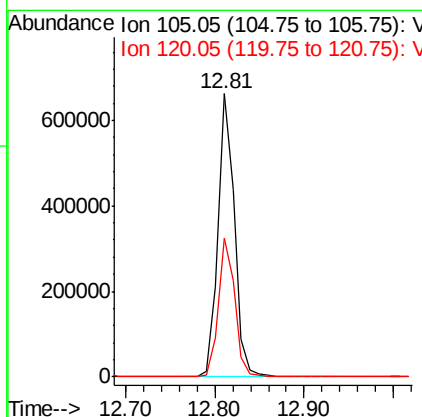
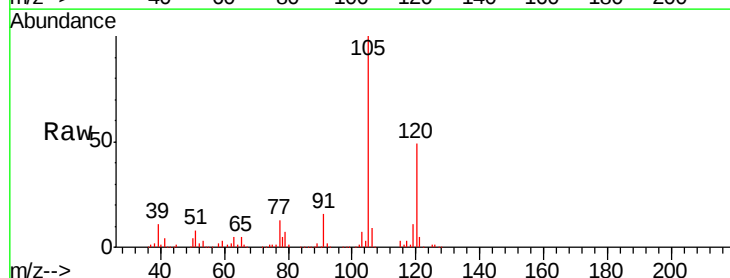
Manual Integrations
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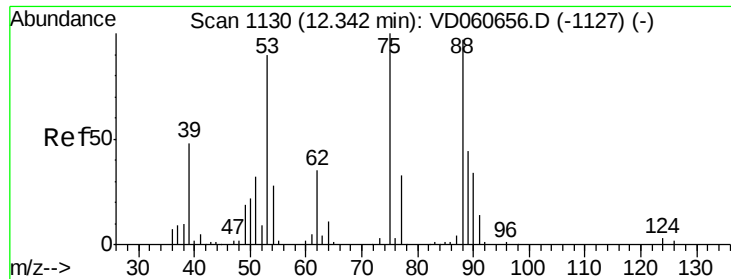
MMDadoda
 12/26/2018 10:57:47 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.541 ug/l
 RT: 12.81 min Scan# 1177
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion: 105 Resp: 849077
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.4





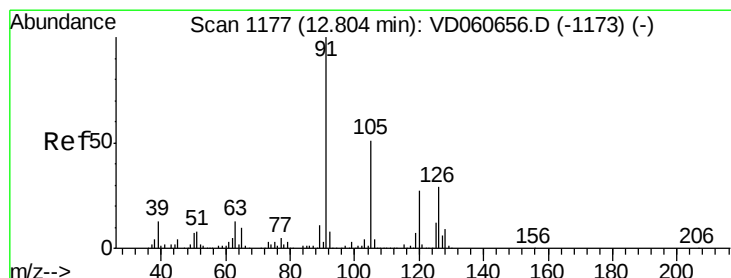
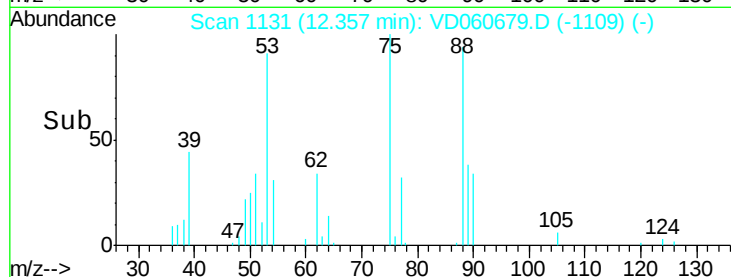
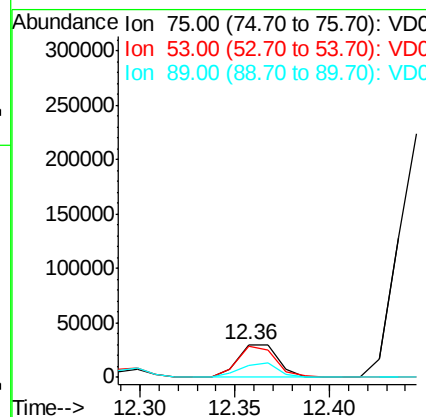
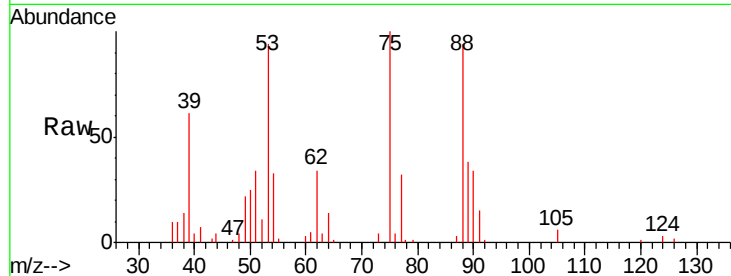
#81
trans-1,4-Dichloro-2-butene
Concen: 19.121 ug/l
RT: 12.36 min Scan# 1131
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.1	72.1	108.1
89	38.0	35.1	52.7

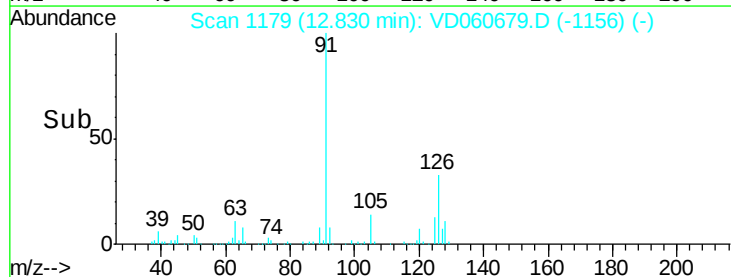
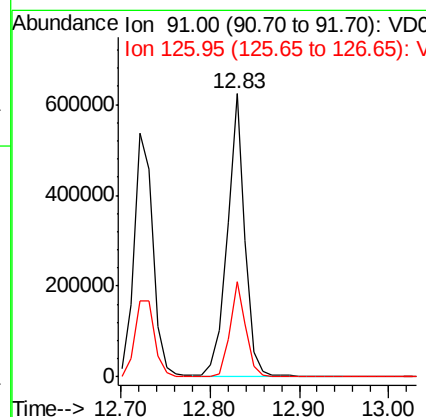
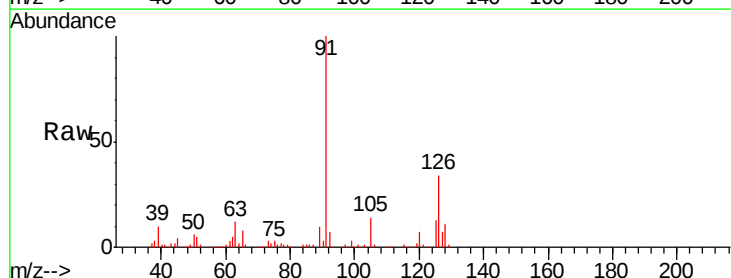
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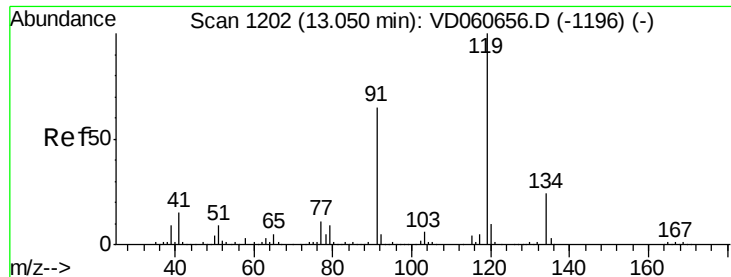
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.798 ug/l
RT: 12.83 min Scan# 1179
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	14.6	43.8





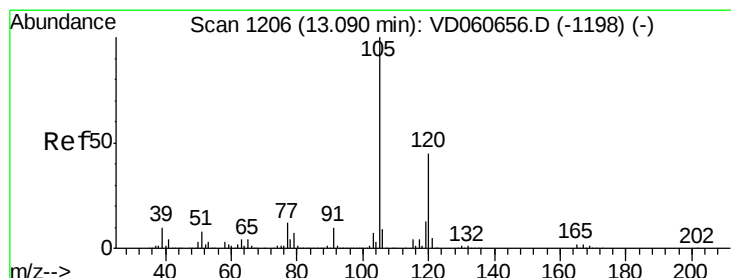
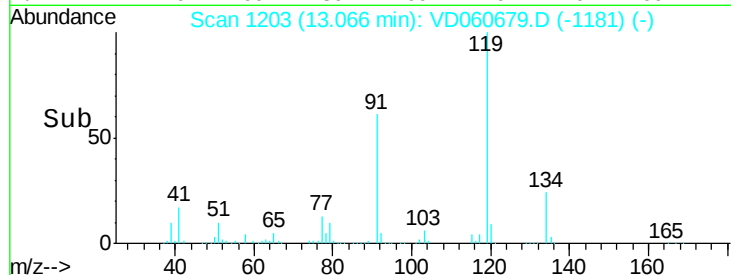
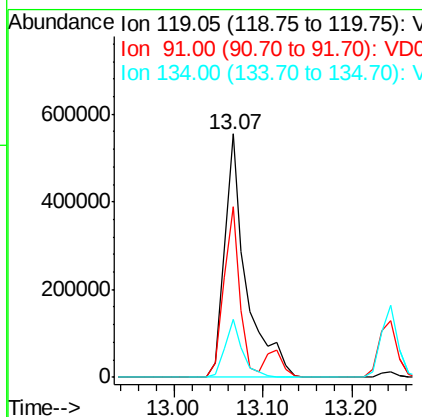
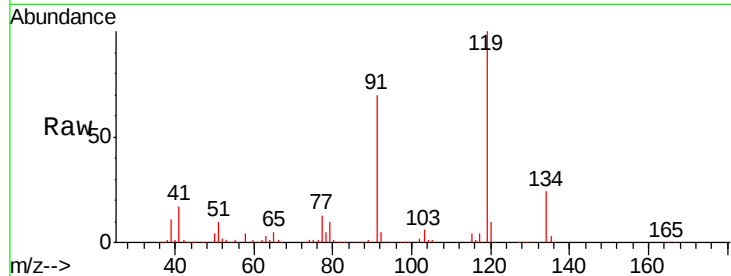
#83
tert-Butylbenzene
Concen: 20.137 ug/l
RT: 13.07 min Scan# 1203
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	947328		
91	70.2	32.5	97.4	
134	23.7	11.9	35.9	

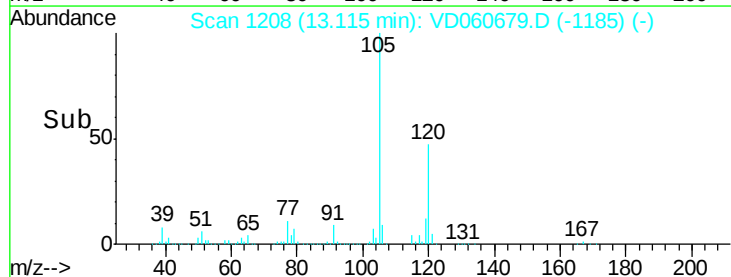
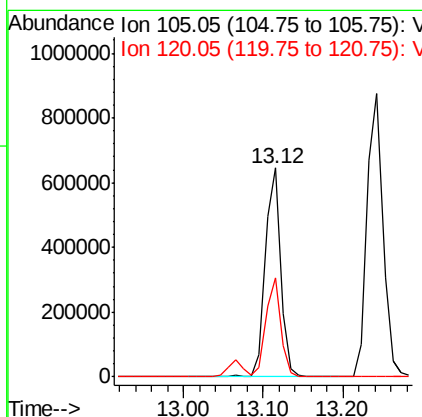
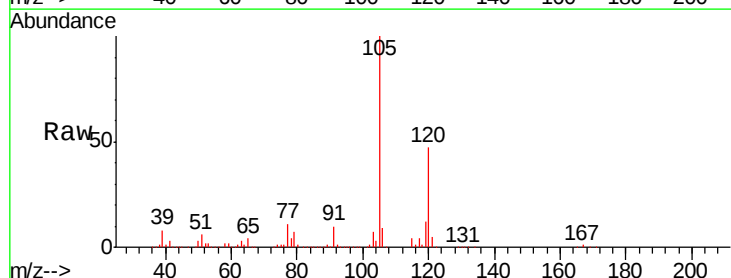
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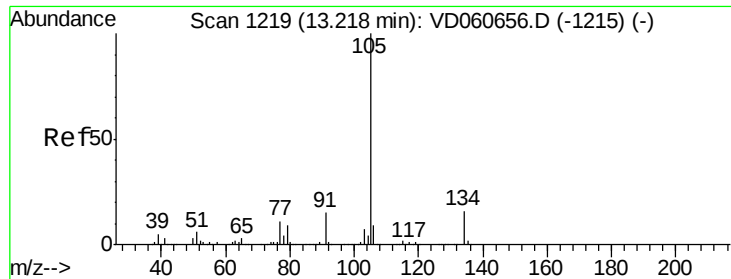
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.203 ug/l
RT: 13.12 min Scan# 1208
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	860132		
120	47.3	22.4	67.0	





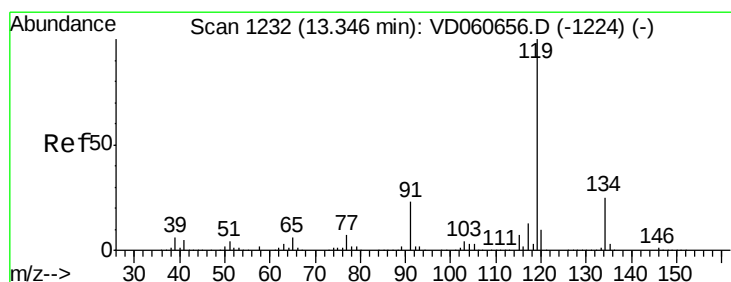
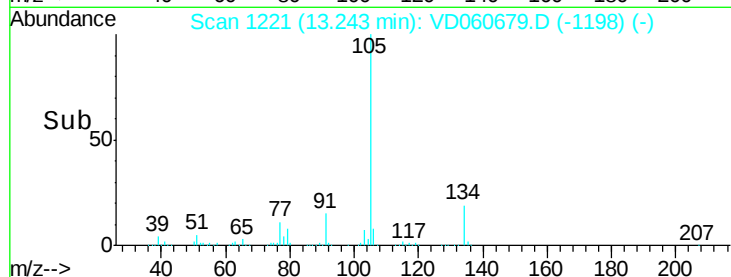
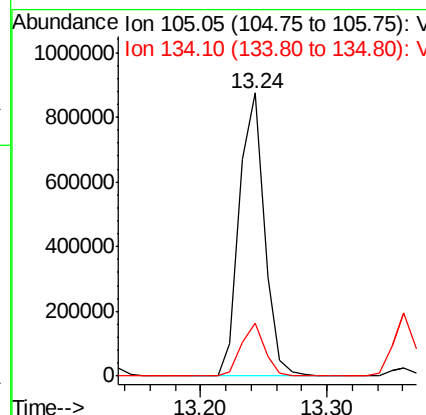
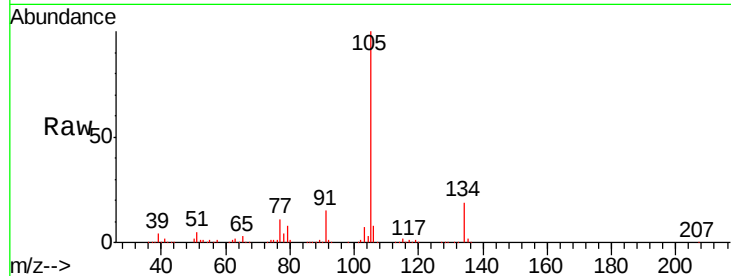
#85
 sec-Butylbenzene
 Concen: 20.776 ug/l
 RT: 13.24 min Scan# 1221
 Delta R.T. 0.03 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Tgt Ion:105 Resp: 1191970
 Ion Ratio Lower Upper
 105 100
 134 18.6 8.2 24.4

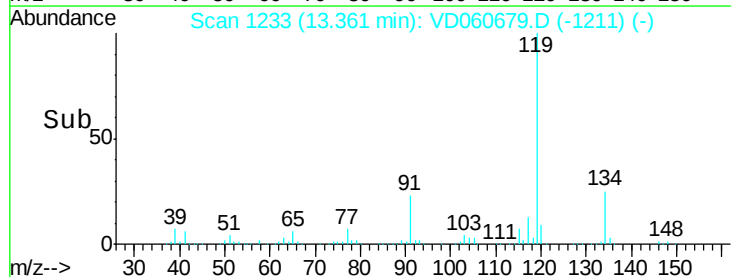
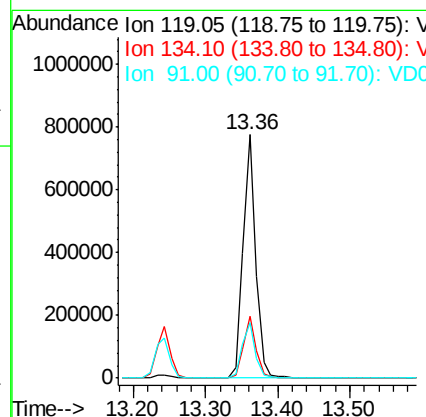
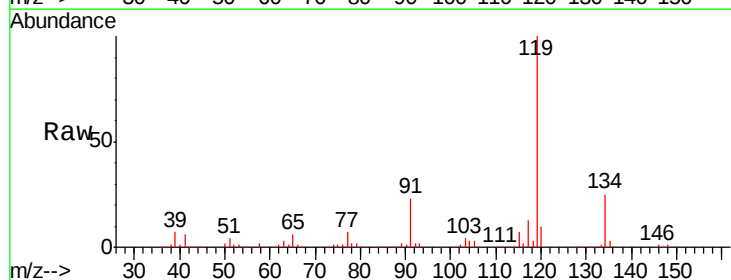
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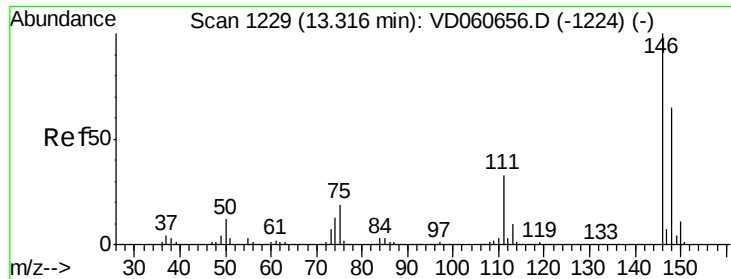
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#86
 p-Isopropyltoluene
 Concen: 20.515 ug/l
 RT: 13.36 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion:119 Resp: 950090
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.5 37.5
 91 23.0 11.4 34.2





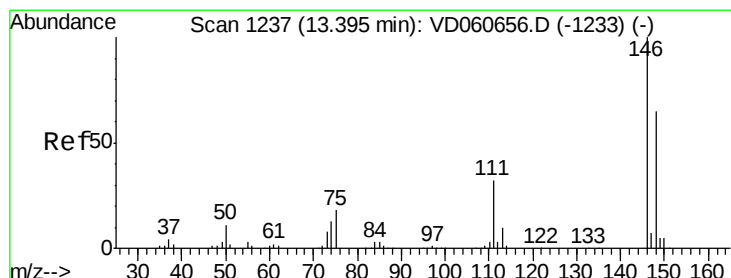
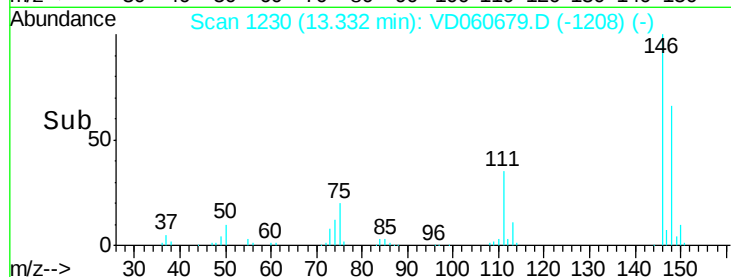
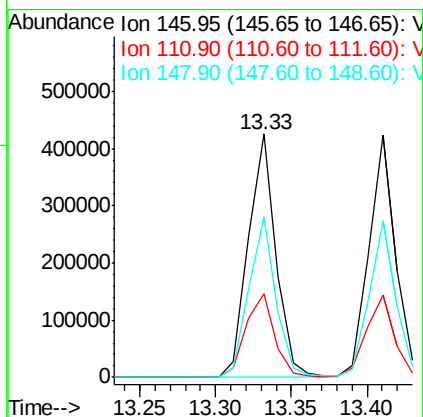
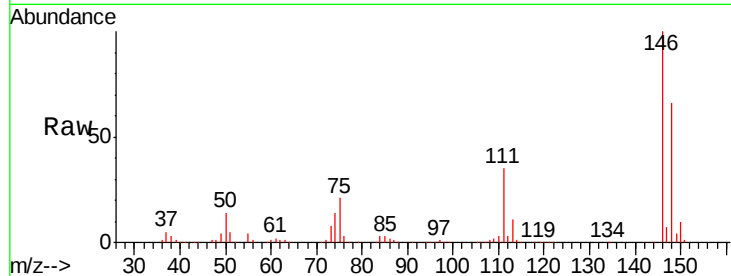
#87
 1,3-Dichlorobenzene
 Concen: 20.852 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	16.6	49.8
148	65.8	32.6	97.8

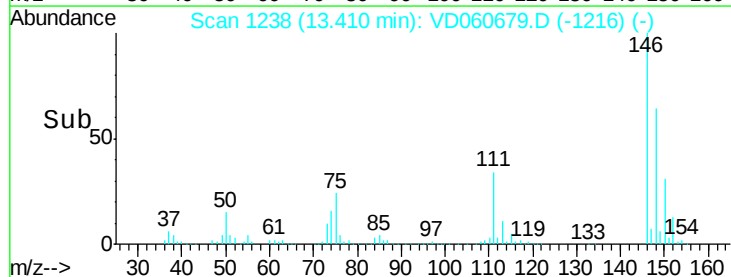
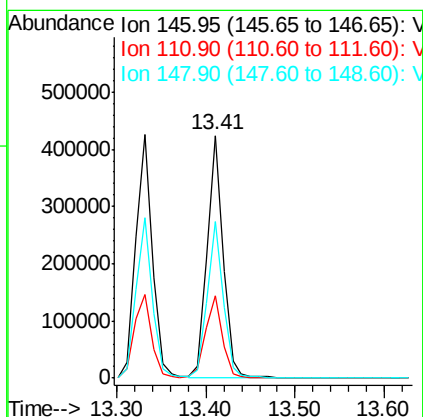
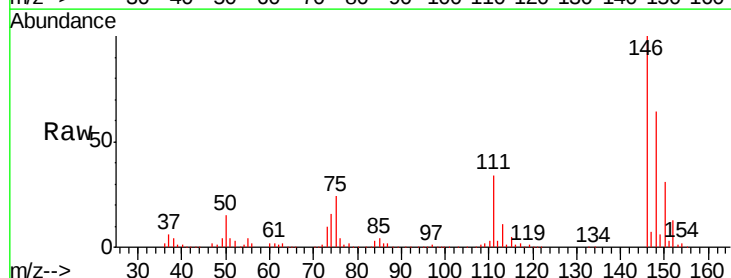
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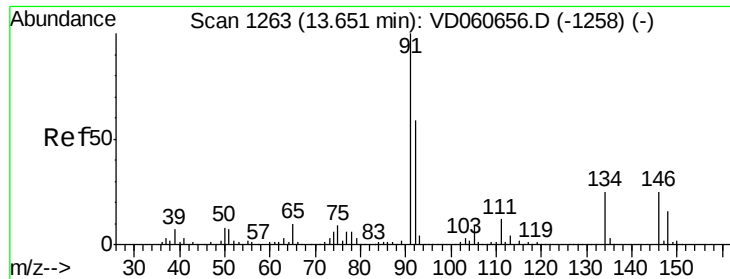
MMDadoda
 12/26/2018 10:57:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.587 ug/l
 RT: 13.41 min Scan# 1238
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.7	16.2	48.5
148	64.3	32.7	98.1





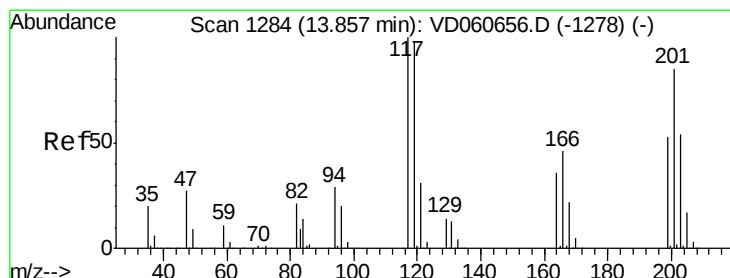
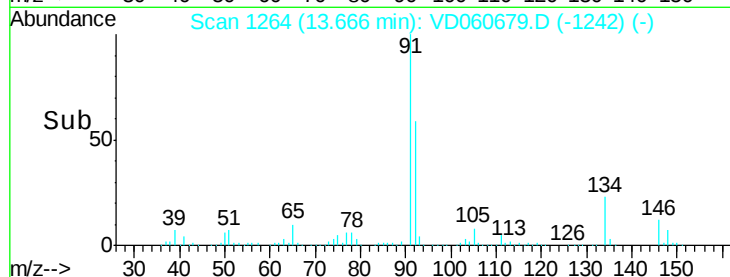
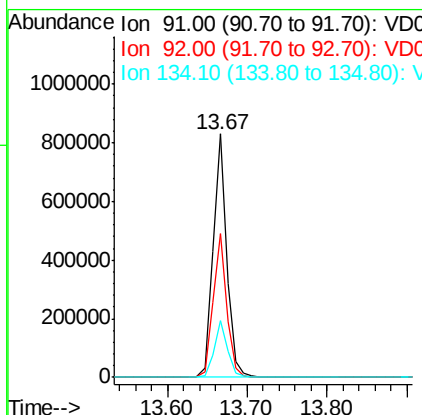
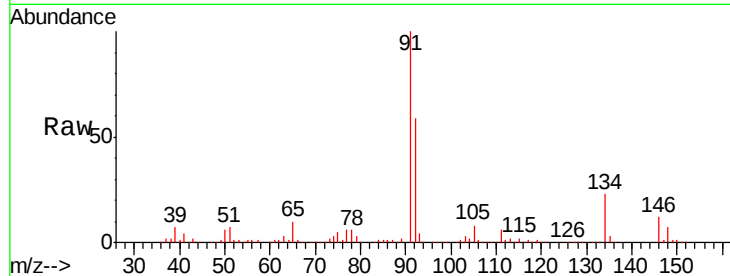
#89
n-Butylbenzene
Concen: 21.202 ug/l
RT: 13.67 min Scan# 1264
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tgt Ion: 91 Resp: 1003367
Ion Ratio Lower Upper
91 100
92 58.8 29.7 89.1
134 23.3 12.7 38.1

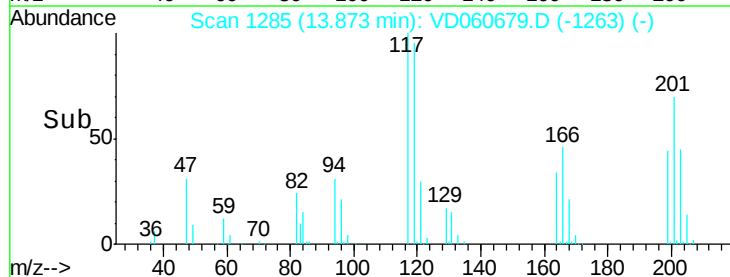
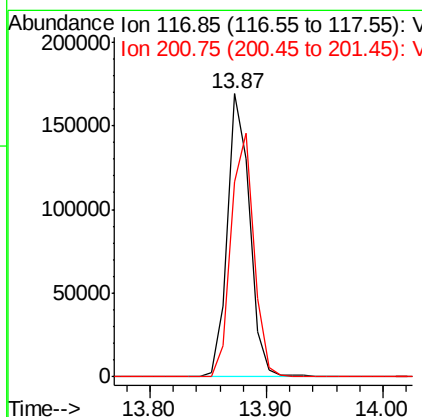
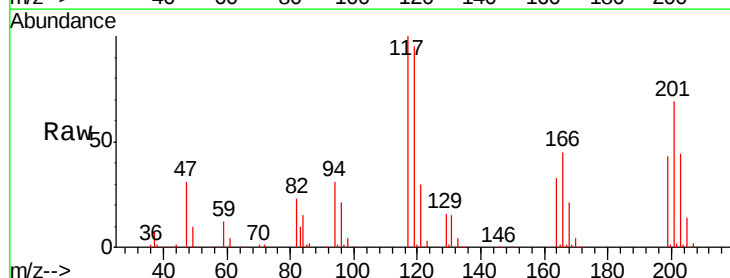
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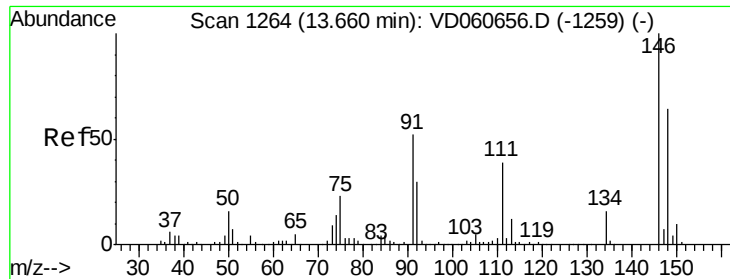
MMDadoda
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#90
Hexachloroethane
Concen: 19.722 ug/l
RT: 13.87 min Scan# 1285
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 117 Resp: 224379
Ion Ratio Lower Upper
117 100
201 68.8 42.6 127.8





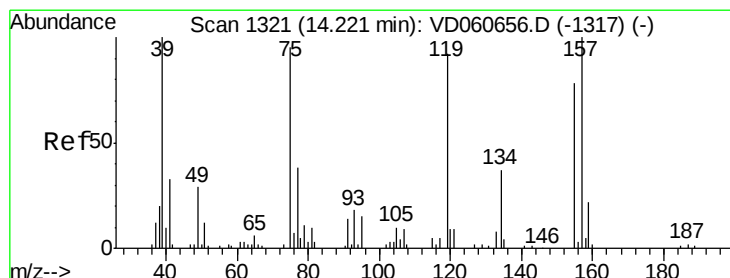
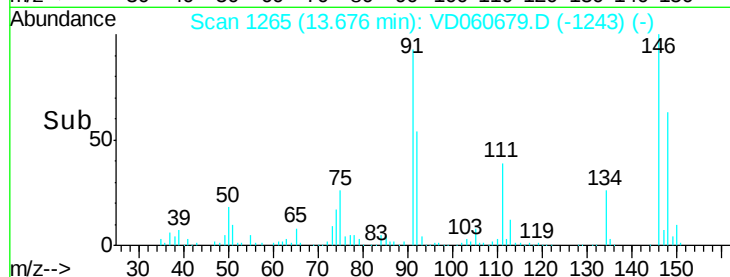
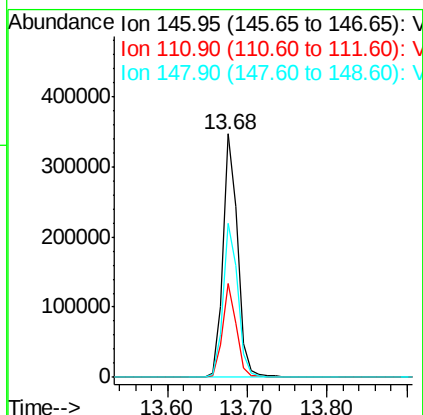
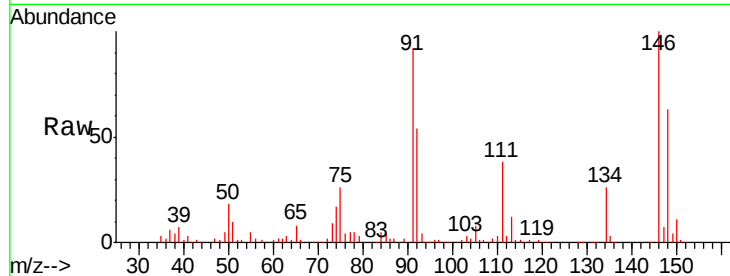
#91
 1,2-Dichlorobenzene
 Concen: 21.792 ug/l
 RT: 13.68 min Scan# 1265
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	63.2	31.9	95.9

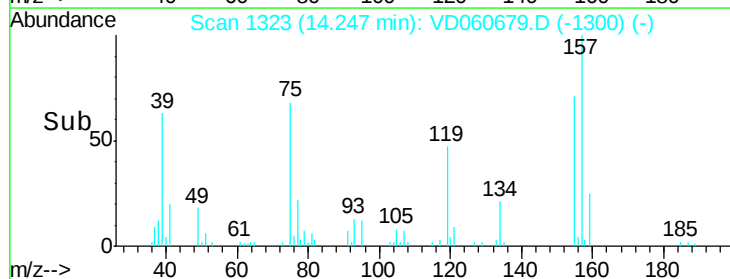
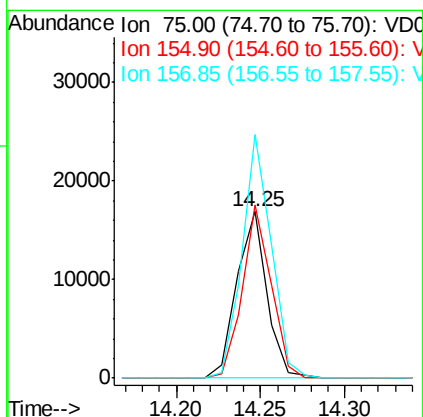
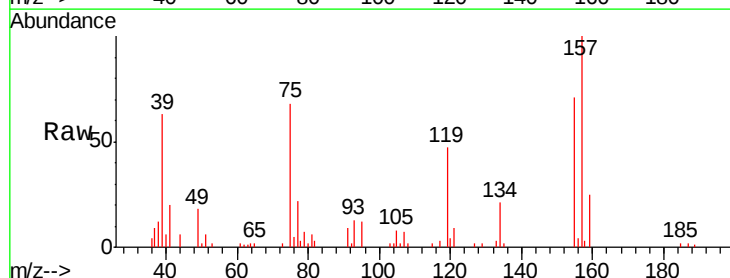
Manual Integrations
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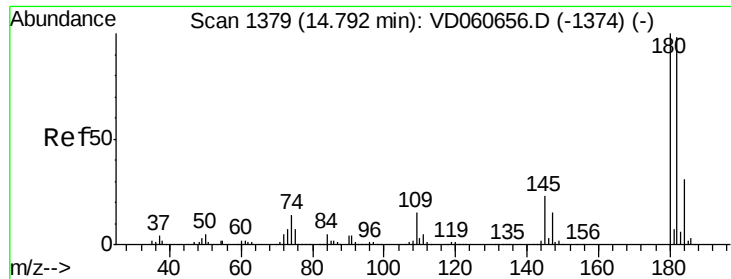
MMDadoda
 12/26/2018 10:57:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.432 ug/l
 RT: 14.25 min Scan# 1323
 Delta R.T. 0.03 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.3	41.1	123.4
157	146.4	52.5	157.6





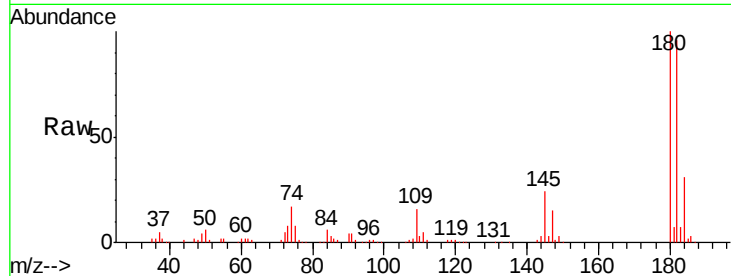
#93
 1,2,4-Trichlorobenzene
 Concen: 20.721 ug/l
 RT: 14.81 min Scan# 1380
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

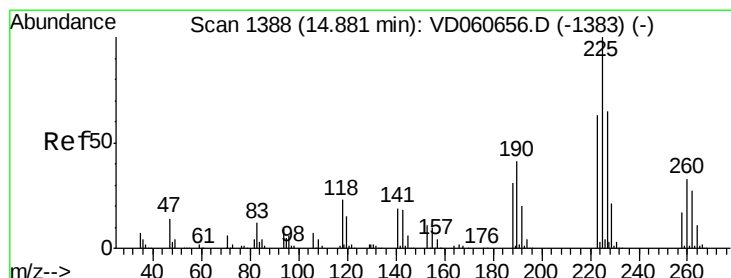
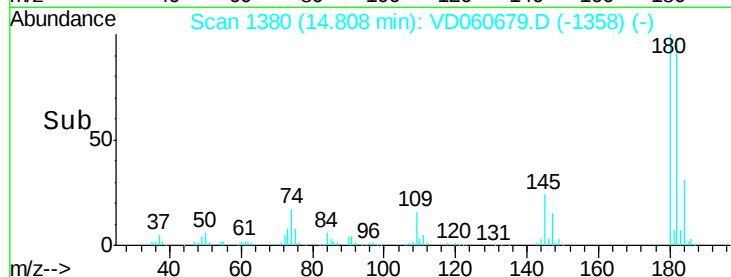
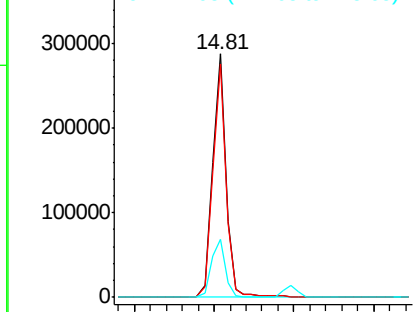
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	343150		
182	95.8	48.8	146.4	
145	24.0	11.8	35.3	

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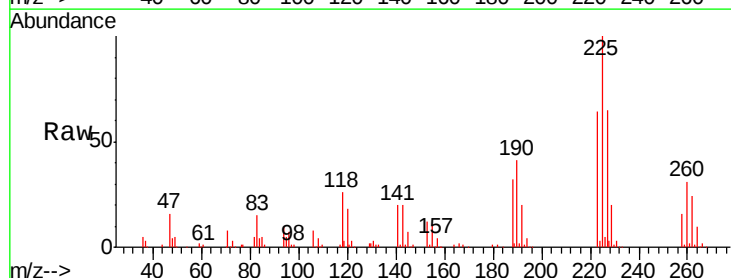


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

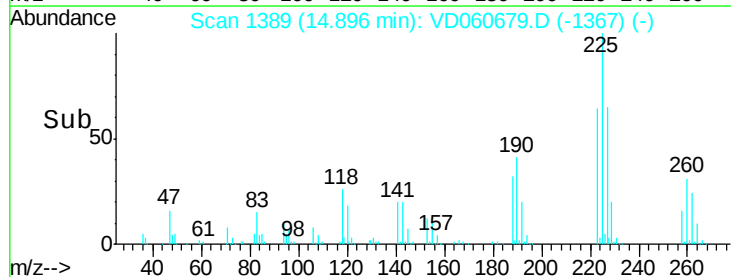
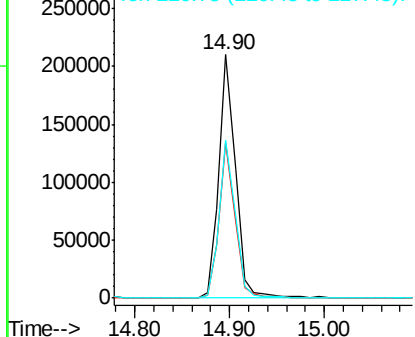


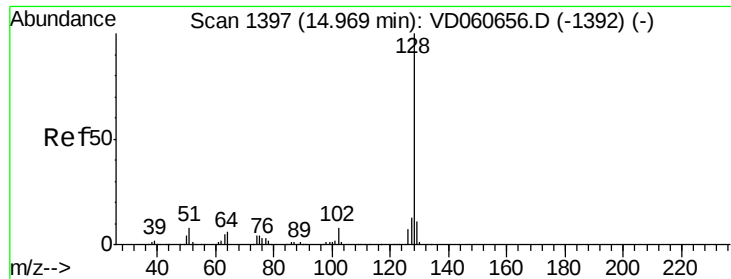
#94
 Hexachlorobutadiene
 Concen: 21.003 ug/l
 RT: 14.90 min Scan# 1389
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	257094		
223	63.8	31.3	93.8	
227	65.0	32.5	97.4	



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





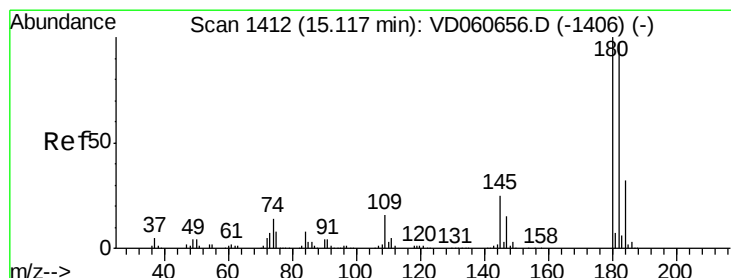
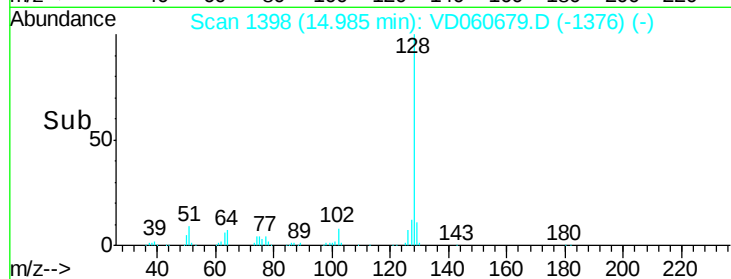
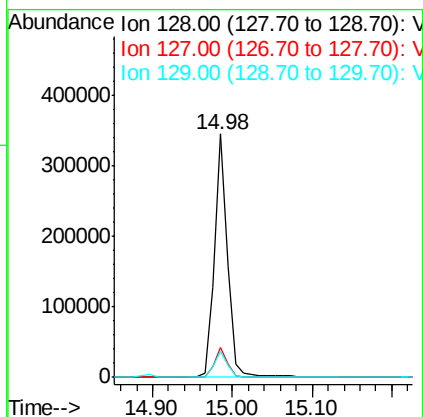
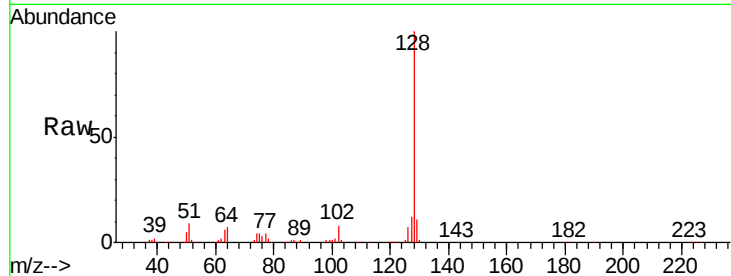
#95
Naphthalene
Concen: 20.334 ug/l
RT: 14.98 min Scan# 1398
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.6	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 21.474 ug/l
RT: 15.13 min Scan# 1413
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.6	145.9
145	27.1	12.6	37.8

