

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060656.D
 Acq On : 20 Dec 2018 13:26
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:32:38 AM

Quant Time: Dec 20 14:58:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1532520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2114488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1663378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	853276	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	521851	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	6.33	113	764698	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	9.46	98	2299691	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.42	95	781796	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.61	85	1113965	50.400	ug/l	100
3) Chloromethane	1.77	50	909299	50.075	ug/l	100
4) Vinyl Chloride	1.87	62	748350	50.192	ug/l	100
5) Bromomethane	2.17	94	197126	50.847	ug/l	100
6) Chloroethane	2.27	64	247830	50.071	ug/l	100
7) Trichlorofluoromethane	2.52	101	862539	50.143	ug/l	100
8) Diethyl Ether	2.84	74	140983	50.406	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.10	101	537752	50.410	ug/l	100
10) Methyl Iodide	3.26	142	611684	50.069	ug/l	100
11) Tert butyl alcohol	3.98	59	117831	249.401	ug/l	100
12) 1,1-Dichloroethene	3.08	96	432939	50.249	ug/l	100
13) Acrolein	2.99	56	103068	249.401	ug/l	100
14) Allyl chloride	3.54	41	817196	49.880	ug/l	100
15) Acrylonitrile	4.10	53	676756	252.795	ug/l	100
16) Acetone	3.17	43	489454	250.533	ug/l	100
17) Carbon Disulfide	3.33	76	1445620	50.139	ug/l	100
18) Methyl Acetate	3.56	43	245231	50.207	ug/l	100
19) Methyl tert-butyl Ether	4.13	73	1167736	50.483	ug/l	100
20) Methylene Chloride	3.73	84	881305	50.401	ug/l	100
21) trans-1,2-Dichloroethene	4.11	96	913349	50.182	ug/l	100
22) Diisopropyl ether	4.86	45	2791781	50.232	ug/l	100
23) Vinyl Acetate	4.81	43	6866417	251.545	ug/l	100
24) 1,1-Dichloroethane	4.76	63	1463309	50.254	ug/l	100
25) 2-Butanone	5.62	43	964127	249.401	ug/l	100
26) 2,2-Dichloropropane	5.59	77	1159071	49.956	ug/l	100
27) cis-1,2-Dichloroethene	5.60	96	930428	49.880	ug/l	100
28) Bromochloromethane	5.93	49	604770	49.880	ug/l	100
29) Tetrahydrofuran	5.96	42	529188	249.401	ug/l	100
30) Chloroform	6.10	83	1467584	49.880	ug/l	100
31) Cyclohexane	6.37	56	1400711	49.880	ug/l	100
32) 1,1,1-Trichloroethane	6.30	97	1220287	49.940	ug/l	100
36) 1,1-Dichloropropene	6.53	75	1130539	50.082	ug/l	100
37) Ethyl Acetate	5.70	43	478215	51.323	ug/l	100
38) Carbon Tetrachloride	6.50	117	1018277	50.000	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1323886	50.000	ug/l	100
40) Benzene	6.80	78	2933549	50.084	ug/l	100
41) Methacrylonitrile	5.93	41	276694m	50.111	ug/l	
42) 1,2-Dichloroethane	6.90	62	729500	50.112	ug/l	100
43) Isopropyl Acetate	8.35	43	632716	50.000	ug/l	100
44) Trichloroethene	7.75	130	876758	50.022	ug/l	100
45) 1,2-Dichloropropane	8.10	63	710732	49.962	ug/l	100
46) Dibromomethane	8.22	93	412536	50.000	ug/l	100
47) Bromodichloromethane	8.49	83	997393	50.000	ug/l	100
48) Methyl methacrylate	8.25	41	385134	50.000	ug/l	100
49) 1,4-Dioxane	8.23	88	72124	1000.000	ug/l	100
51) 4-Methyl-2-Pentanone	9.34	43	1940232	250.000	ug/l	100
52) Toluene	9.55	92	1859474	49.987	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	846851	50.000	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	1106575	49.984	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	493224	50.000	ug/l	100
56) Ethyl methacrylate	10.03	69	504534	50.000	ug/l	100
57) 1,3-Dichloropropane	10.38	76	786359	49.986	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1331132	250.000	ug/l	100
59) 2-Hexanone	10.49	43	1378600	250.000	ug/l	100
60) Dibromochloromethane	10.64	129	668784	50.000	ug/l	100
61) 1,2-Dibromoethane	10.76	107	530560	50.000	ug/l	100
64) Tetrachloroethene	10.26	164	804521	50.018	ug/l	100
65) Chlorobenzene	11.31	112	1954138	50.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	640414	50.000	ug/l	100
67) Ethyl Benzene	11.43	91	3357363	50.000	ug/l	100
68) m/p-Xylenes	11.56	106	2438602	100.000	ug/l	100
69) o-Xylene	11.94	106	1182314	50.012	ug/l	100
70) Styrene	11.96	104	1907334	50.000	ug/l	100
71) Bromoform	12.12	173	431260	50.000	ug/l	100
73) Isopropylbenzene	12.27	105	3266803	50.000	ug/l	100
74) N-amyl acetate	12.14	43	773843	50.000	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.56	83	541477	50.000	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	525633	50.000	ug/l	100
77) Bromobenzene	12.54	156	870498	50.000	ug/l	100
78) n-propylbenzene	12.64	91	4162169	50.000	ug/l	100
79) 2-Chlorotoluene	12.71	91	2256731	50.000	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	2513663	50.000	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	152667	50.000	ug/l	100
82) 4-Chlorotoluene	12.80	91	2474689	50.000	ug/l	100
83) tert-Butylbenzene	13.05	119	2864912	50.000	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	2611369	50.000	ug/l	100
85) sec-Butylbenzene	13.22	105	3566437	50.000	ug/l	100
86) p-Isopropyltoluene	13.35	119	2788269	50.000	ug/l	100
87) 1,3-Dichlorobenzene	13.32	146	1582526	50.000	ug/l	100
88) 1,4-Dichlorobenzene	13.39	146	1561784	50.000	ug/l	100
89) n-Butylbenzene	13.65	91	2848554	50.000	ug/l	100
90) Hexachloroethane	13.86	117	708568	50.000	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1256628	50.000	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.22	75	63973	50.000	ug/l	100

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 14:42:21 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1040855	50.000	ug/l	100
94) Hexachlorobutadiene	14.88	225	749215	50.000	ug/l	100
95) Naphthalene	14.97	128	1267134	50.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	819133	50.000	ug/l	100

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

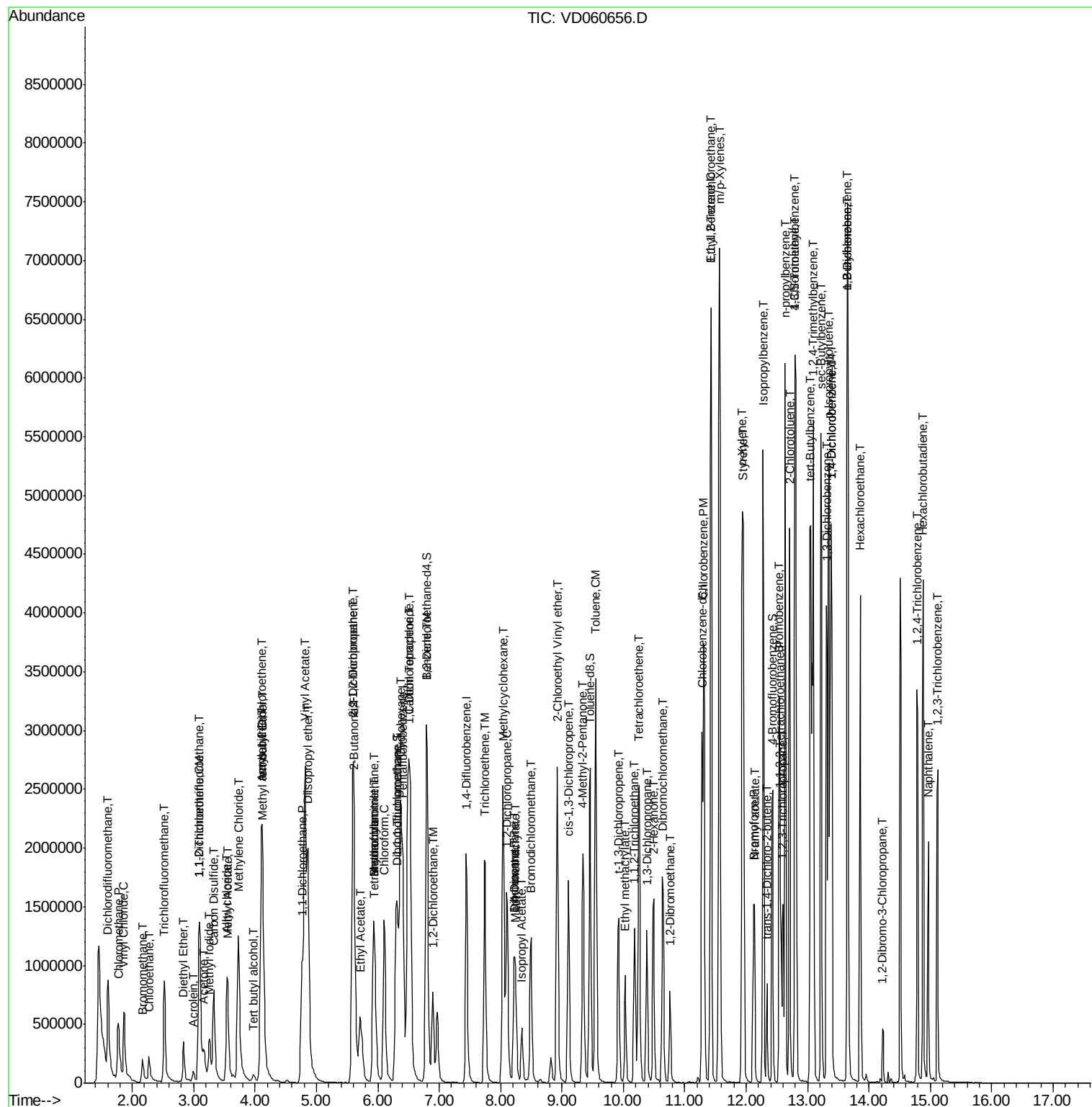
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
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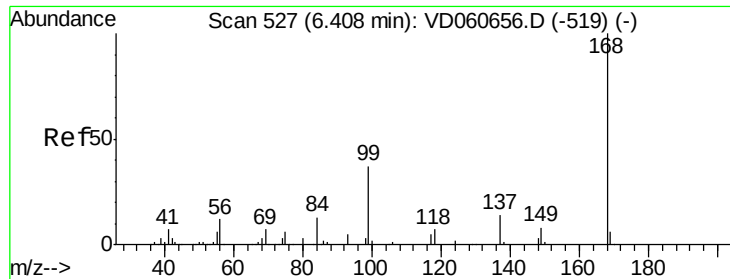
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion:168 Resp: 1532520

Ion Ratio Lower Upper

168 100

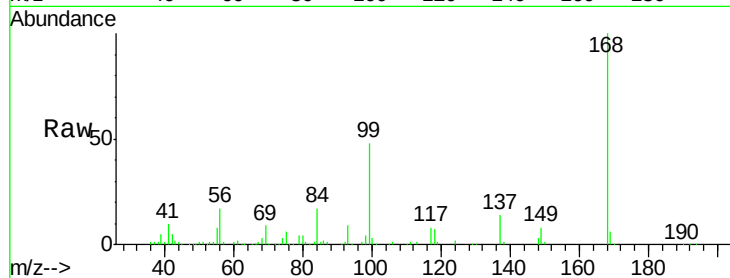
99 48.4 38.7 58.1

Manual Integrations

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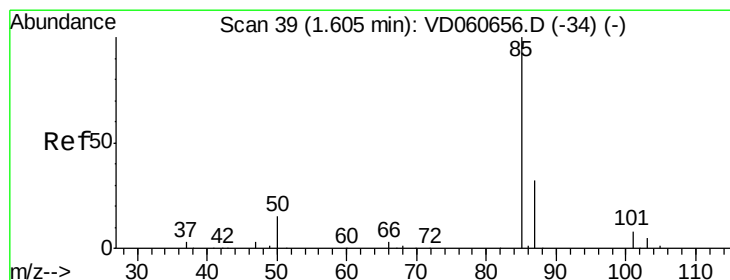
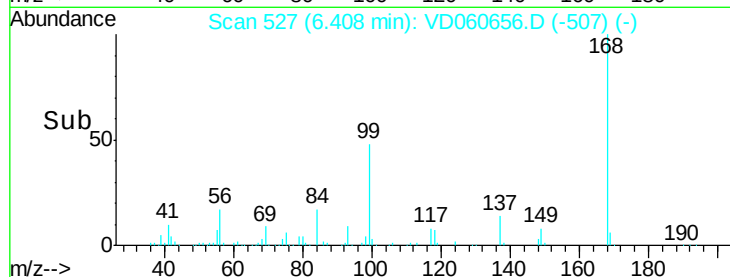
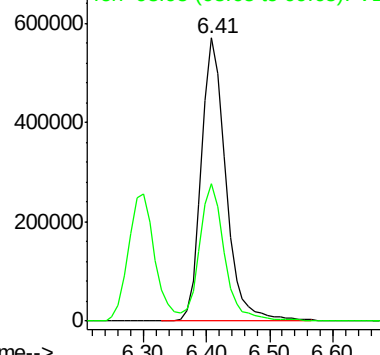
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.400 ug/l

RT: 1.61 min Scan# 39

Delta R.T. 0.00 min

Lab File: VD060656.D

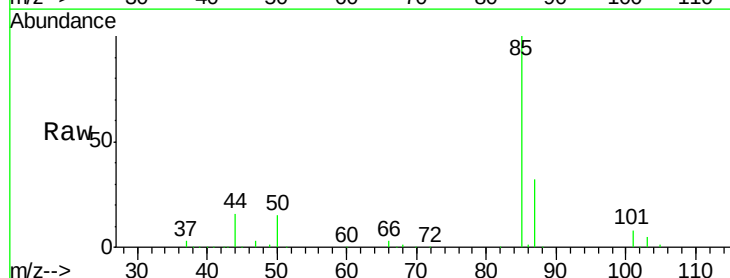
Acq: 20 Dec 2018 13:26

Tgt Ion: 85 Resp: 1113965

Ion Ratio Lower Upper

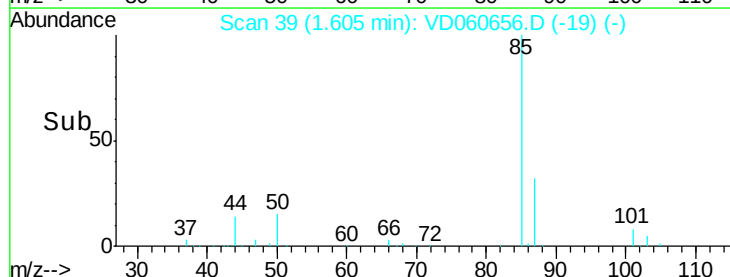
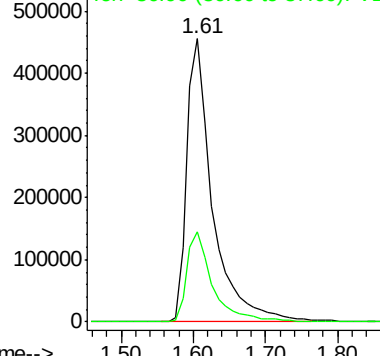
85 100

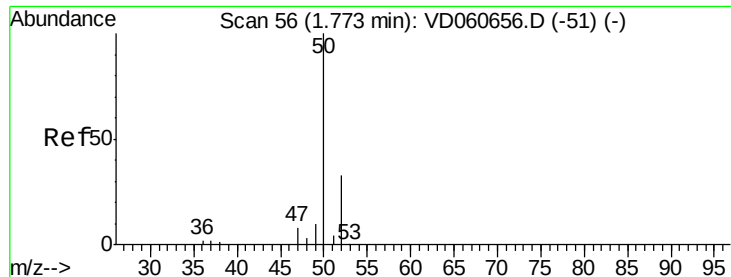
87 31.9 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.075 ug/l

RT: 1.77 min Scan# 56

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 909299

Ion Ratio Lower Upper

50 100

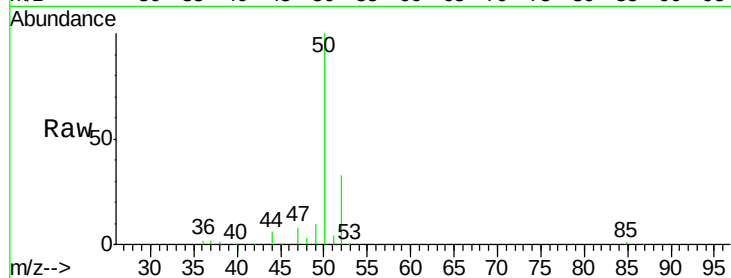
52 33.2 26.6 39.8

Manual Integrations

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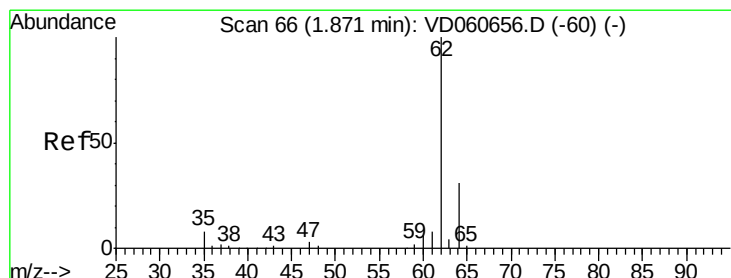
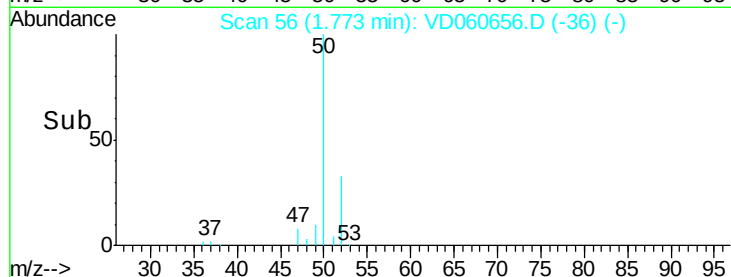
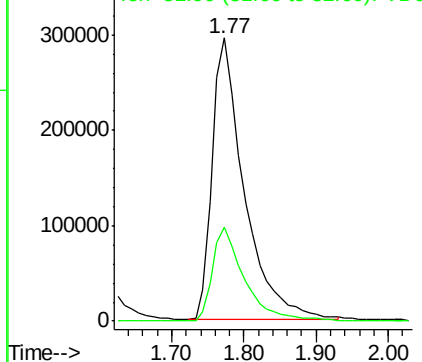
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.192 ug/l

RT: 1.87 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060656.D

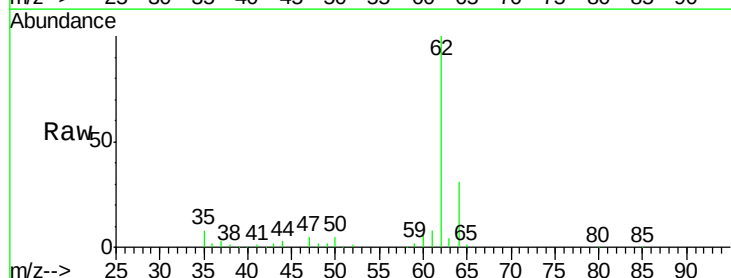
Acq: 20 Dec 2018 13:26

Tgt Ion: 62 Resp: 748350

Ion Ratio Lower Upper

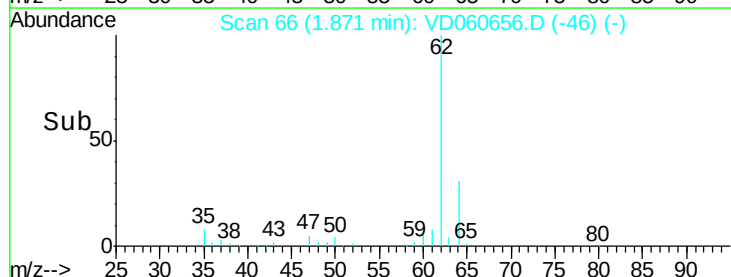
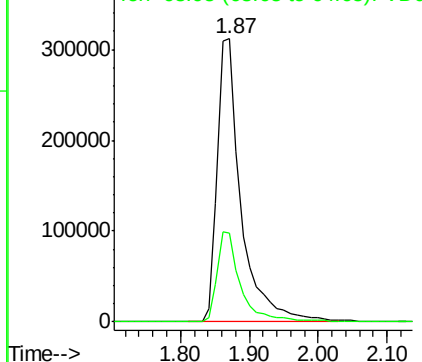
62 100

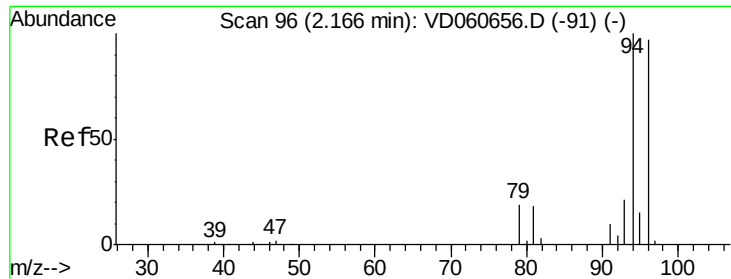
64 31.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.847 ug/l

RT: 2.17 min Scan# 96

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 197126

Ion Ratio Lower Upper

94 100

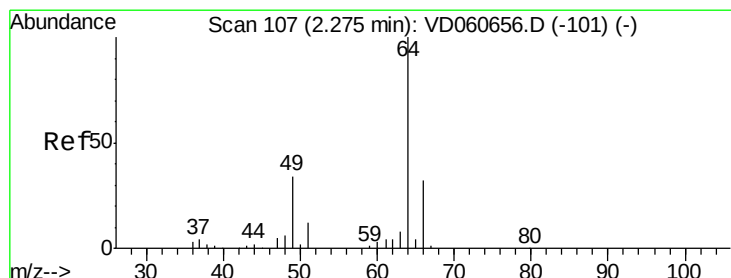
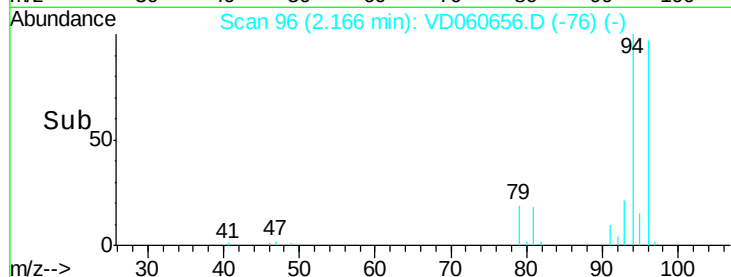
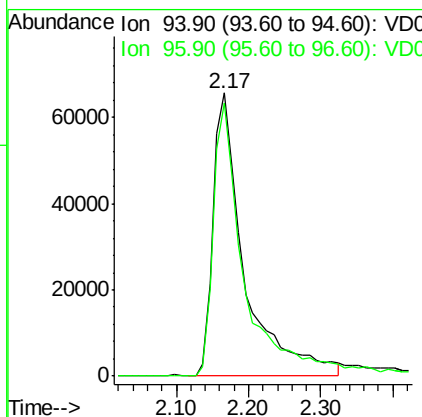
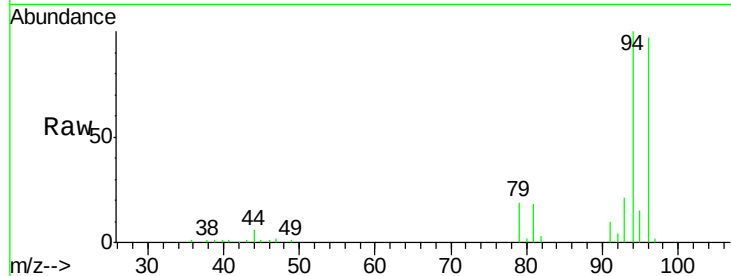
96 96.5 77.2 115.8

Manual Integrations

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#6

Chloroethane

Concen: 50.071 ug/l

RT: 2.27 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD060656.D

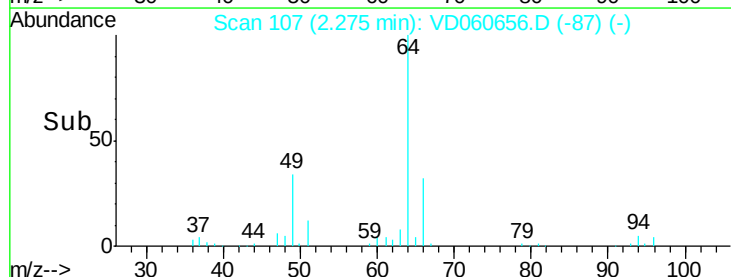
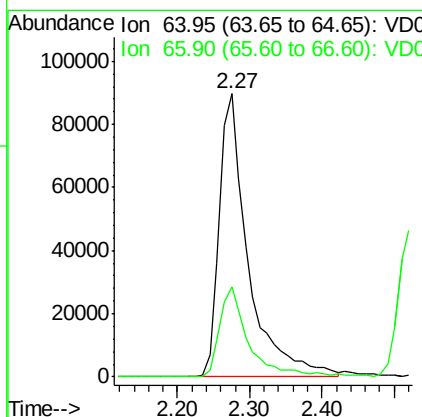
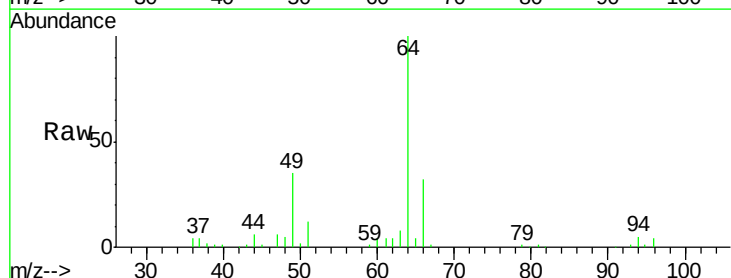
Acq: 20 Dec 2018 13:26

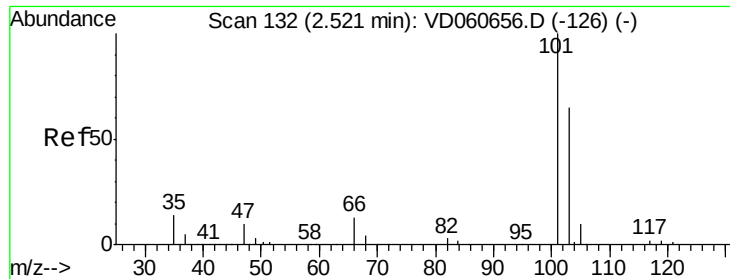
Tgt Ion: 64 Resp: 247830

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

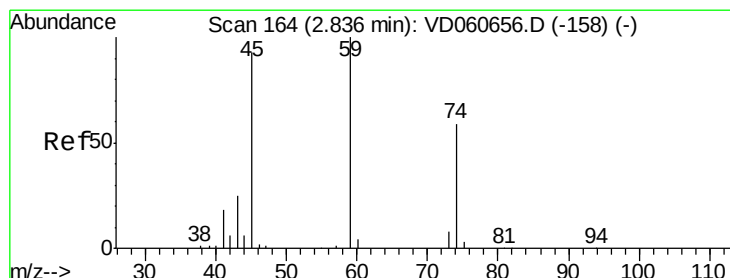
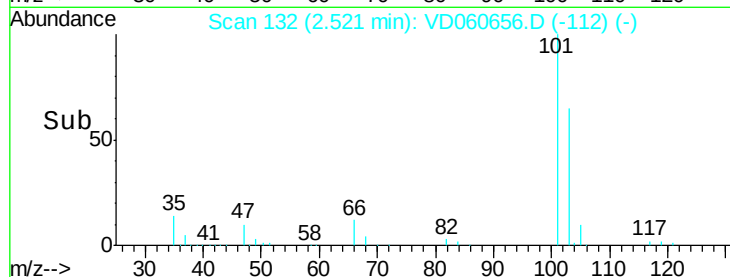
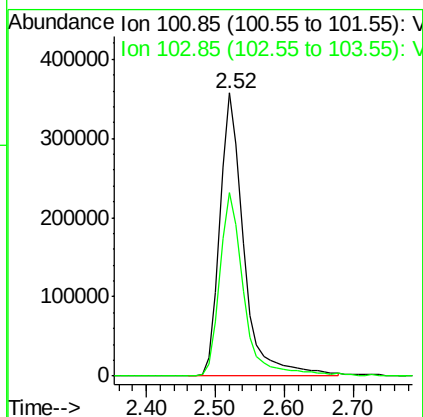
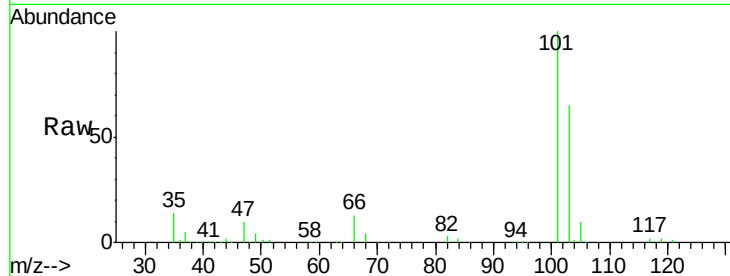
Trichlorofluoromethane
Concen: 50.143 ug/l
RT: 2.52 min Scan# 132
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 101 Resp: 862539
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9

Manual Integrations
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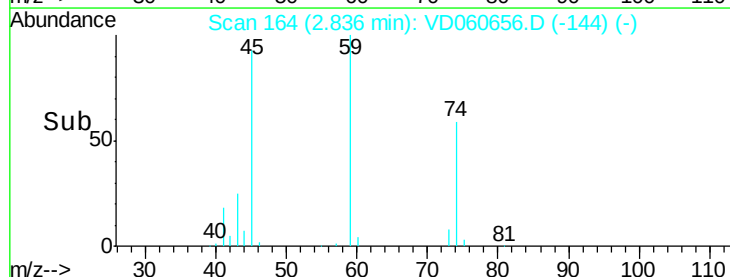
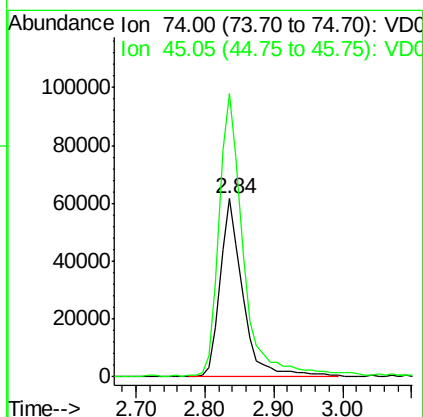
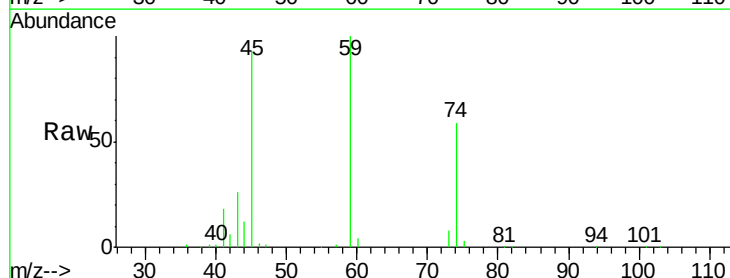
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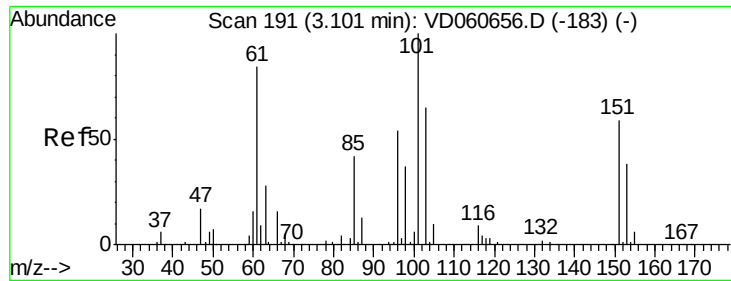


#8

Diethyl Ether
Concen: 50.406 ug/l
RT: 2.84 min Scan# 164
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion: 74 Resp: 140983
Ion Ratio Lower Upper
74 100
45 158.7 79.3 238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.410 ug/l

RT: 3.10 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

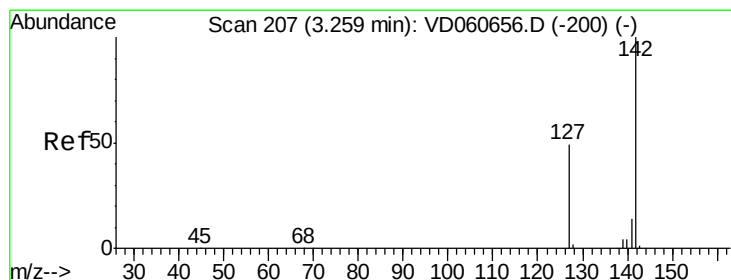
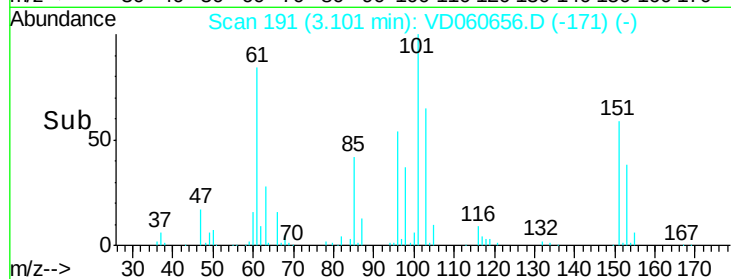
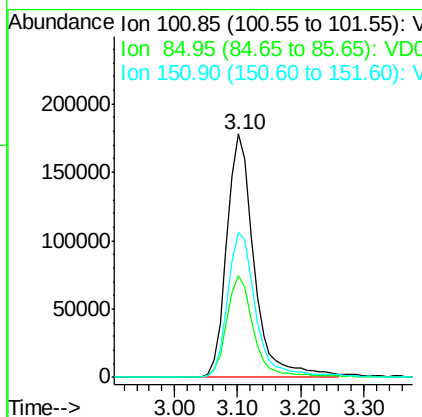
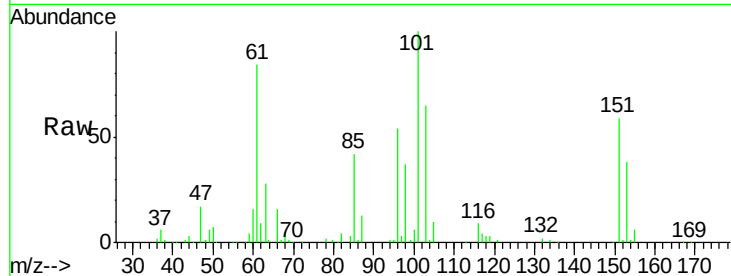
ClientSampleId :

VSTDICCC050

Tgt Ion:	101	Resp:	537752
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.4	50.0
151	59.4	47.5	71.3

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#10

Methyl Iodide

Concen: 50.069 ug/l

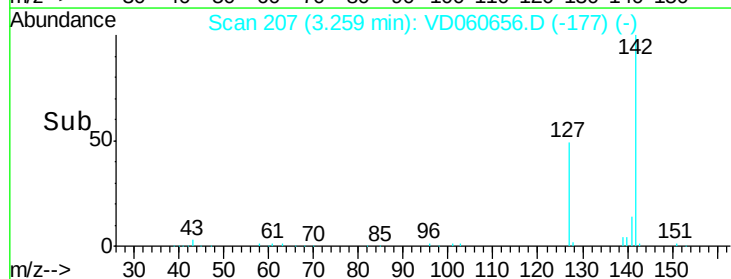
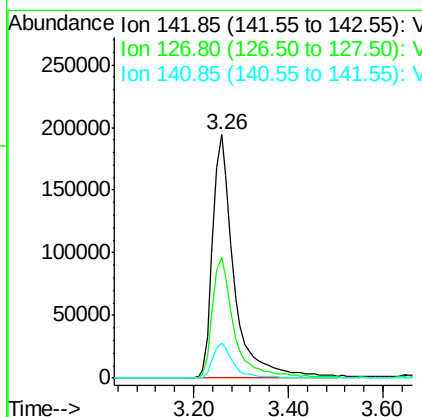
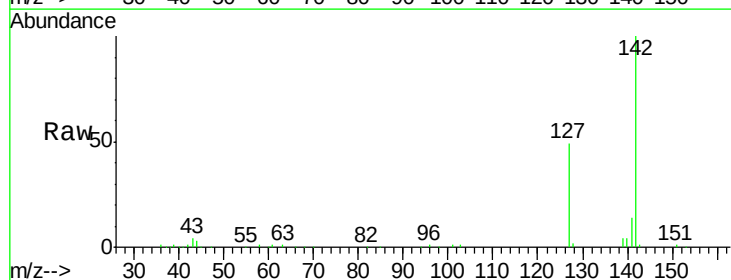
RT: 3.26 min Scan# 207

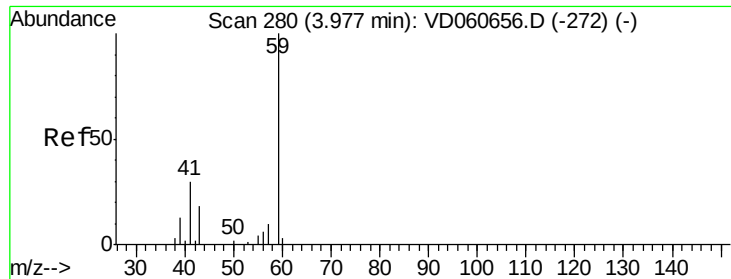
Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Tgt Ion:	142	Resp:	611684
Ion Ratio	Lower	Upper	
142	100		
127	49.4	39.5	59.3
141	14.1	11.3	16.9





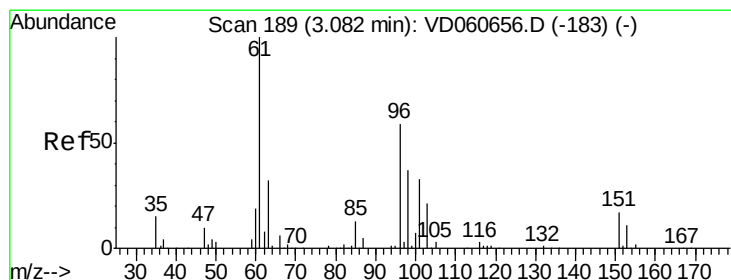
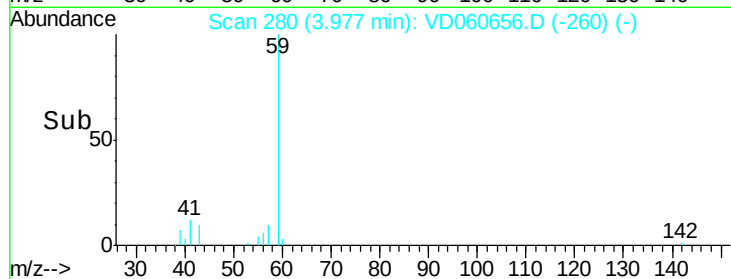
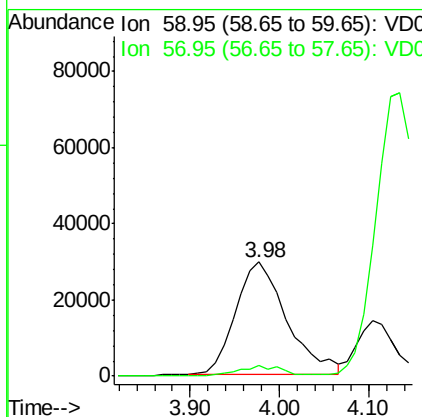
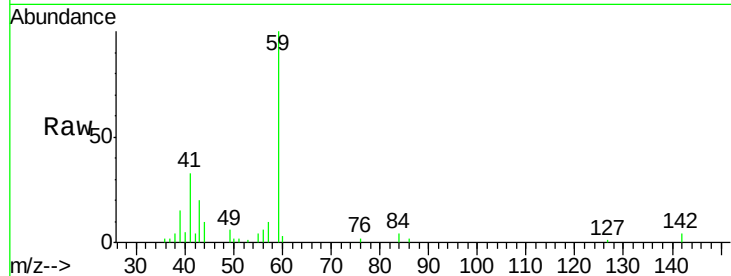
#11
Tert butyl alcohol
Concen: 249.401 ug/l
RT: 3.98 min Scan# 280
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 117831
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.6

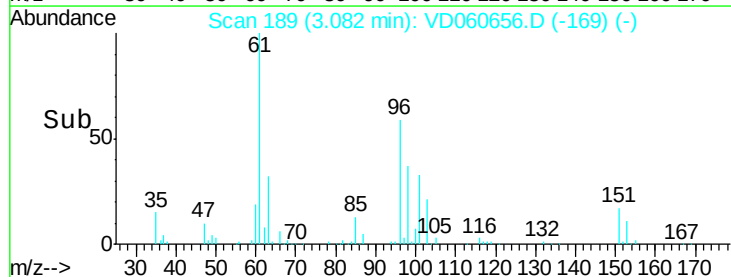
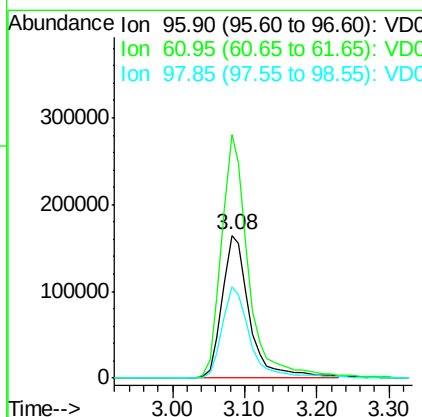
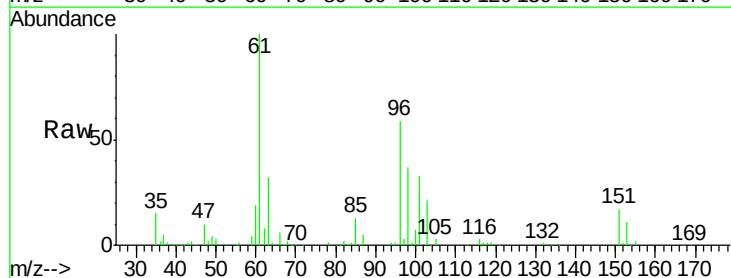
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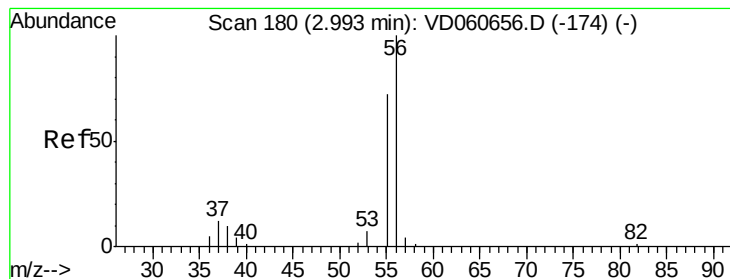
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#12
1,1-Dichloroethene
Concen: 50.249 ug/l
RT: 3.08 min Scan# 189
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion: 96 Resp: 432939
Ion Ratio Lower Upper
96 100
61 170.3 136.2 204.4
98 63.4 50.7 76.1





#13

Acrolein

Concen: 249.401 ug/l

RT: 2.99 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 103068

Ion Ratio Lower Upper

56 100

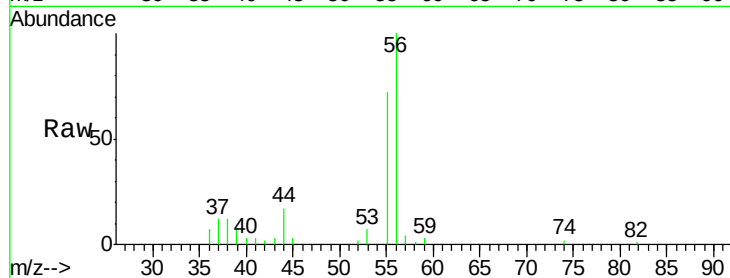
55 72.1 57.7 86.5

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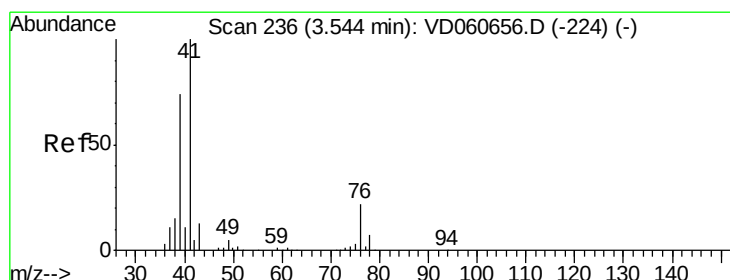
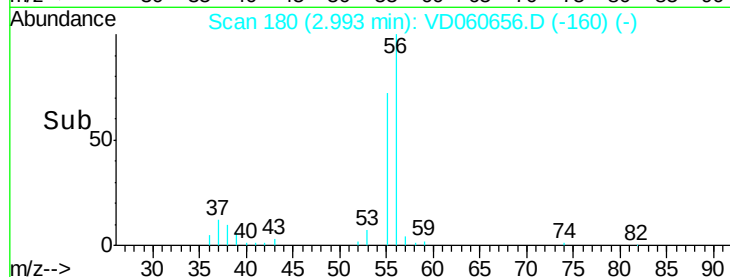
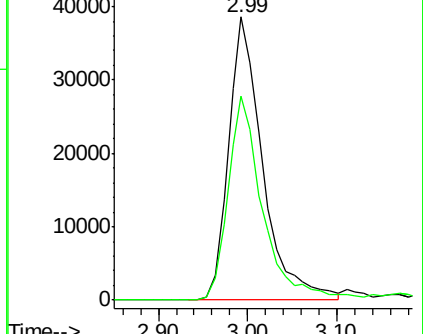
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.880 ug/l

RT: 3.54 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

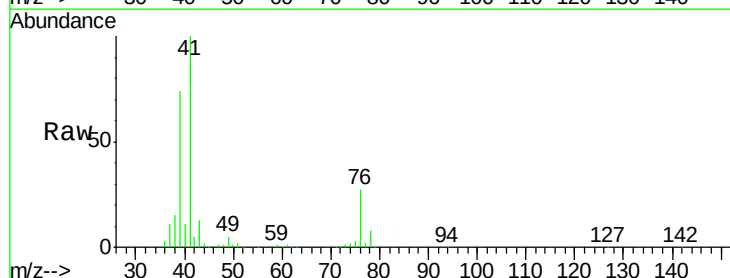
Tgt Ion: 41 Resp: 817196

Ion Ratio Lower Upper

41 100

39 74.5 59.6 89.4

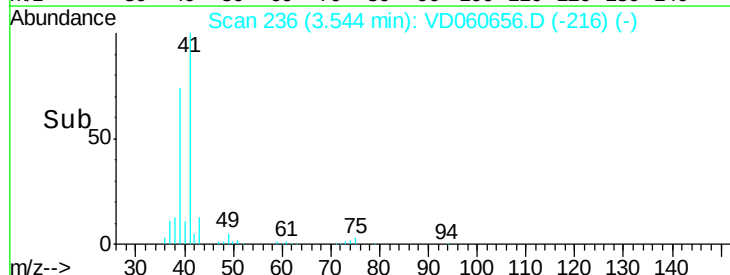
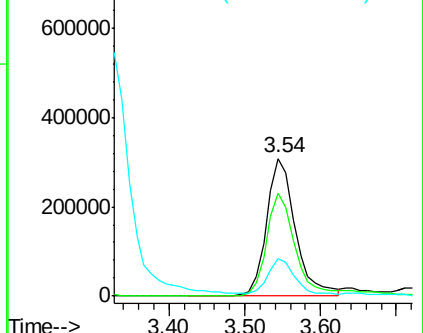
76 27.2 21.8 32.6

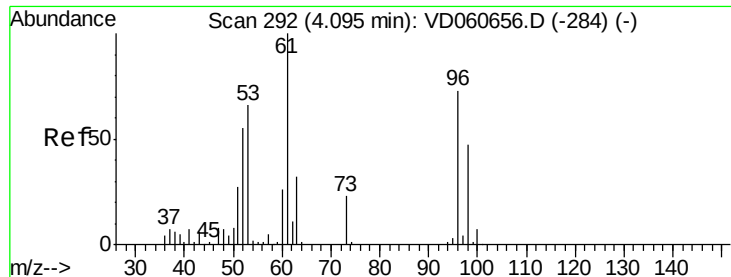


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 252.795 ug/l

RT: 4.10 min Scan# 292

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 676756
Ion Ratio Lower Upper

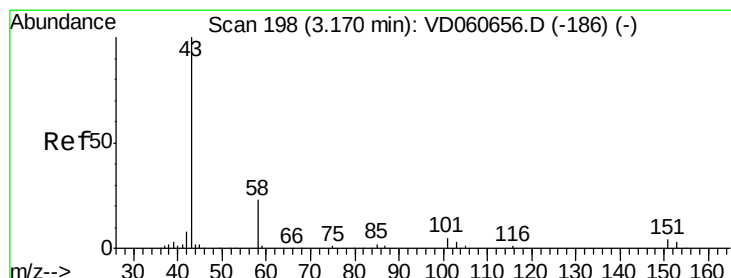
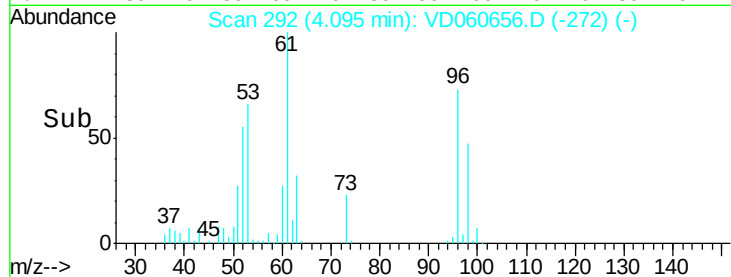
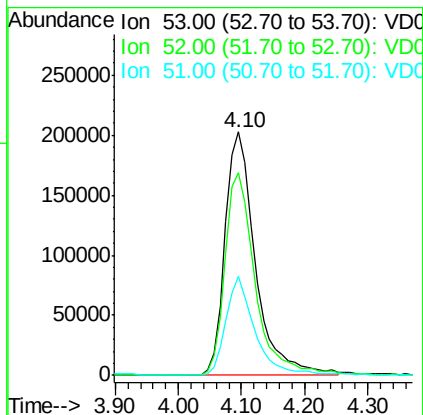
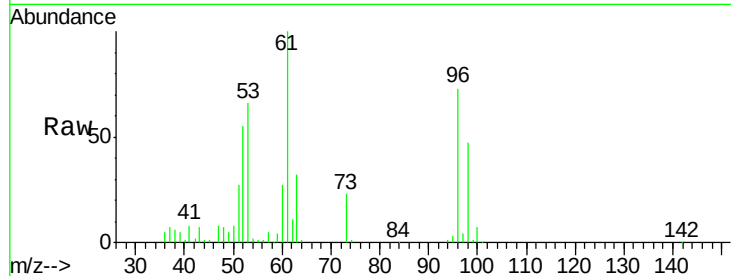
53 100

52 83.4 66.7 100.1

51 40.9 32.7 49.1

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#16

Acetone

Concen: 250.533 ug/l

RT: 3.17 min Scan# 198

Delta R.T. 0.00 min

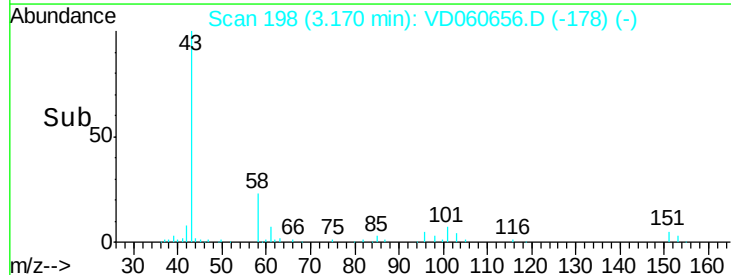
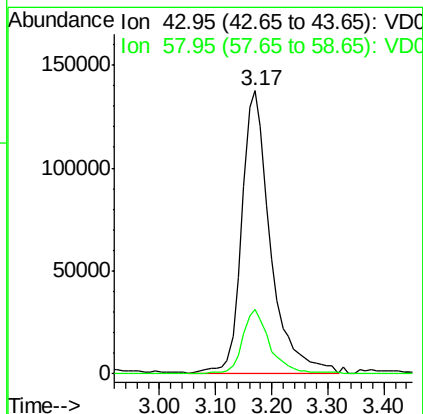
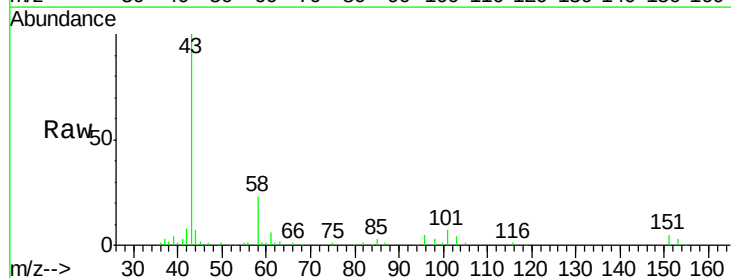
Lab File: VD060656.D

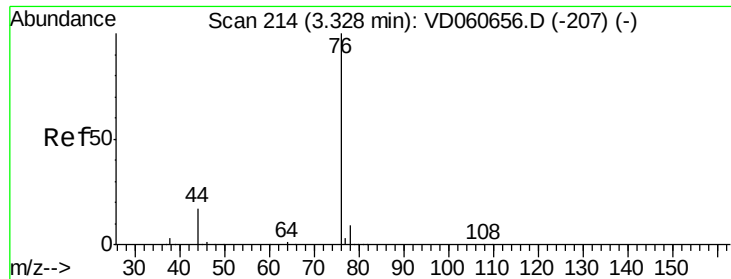
Acq: 20 Dec 2018 13:26

Tgt Ion: 43 Resp: 489454
Ion Ratio Lower Upper

43 100

58 22.7 18.2 27.2





#17

Carbon Disulfide

Concen: 50.139 ug/l

RT: 3.33 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 1445620

Ion Ratio Lower Upper

76 100

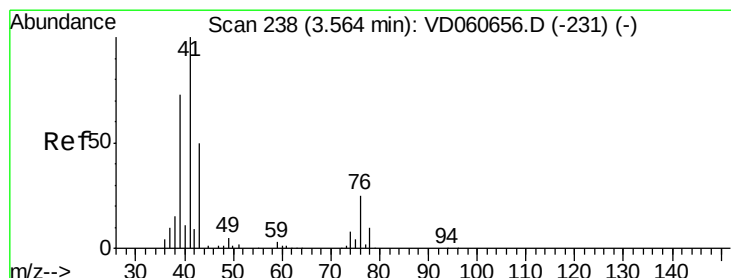
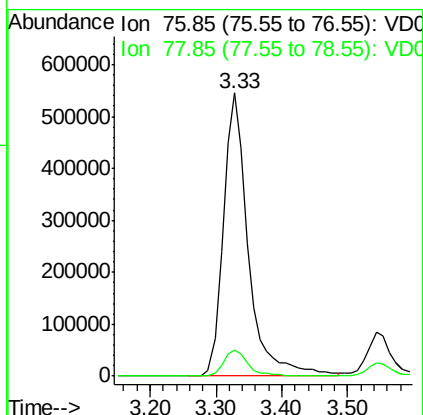
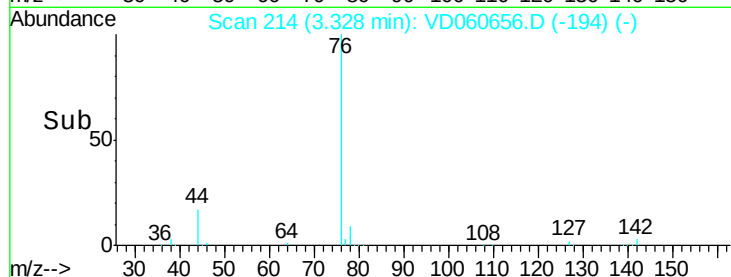
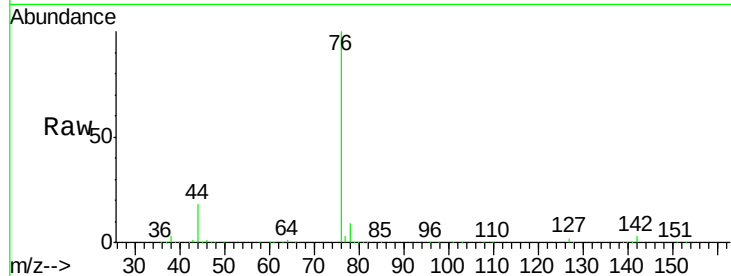
78 9.2 7.4 11.0

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#18

Methyl Acetate

Concen: 50.207 ug/l

RT: 3.56 min Scan# 238

Delta R.T. 0.00 min

Lab File: VD060656.D

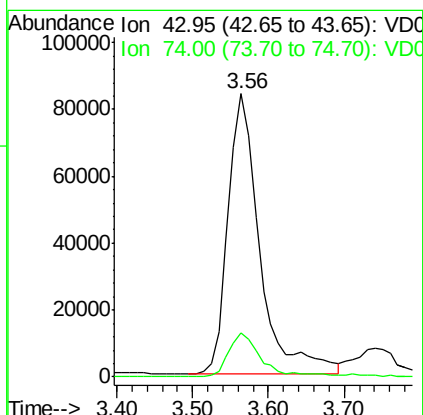
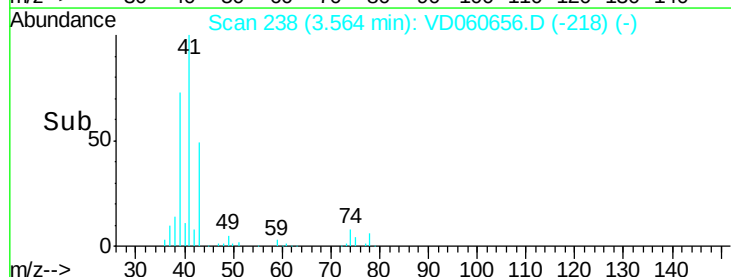
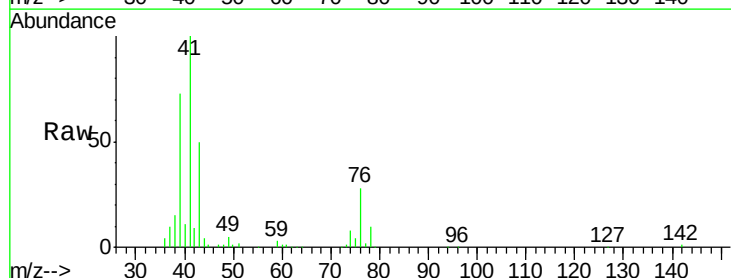
Acq: 20 Dec 2018 13:26

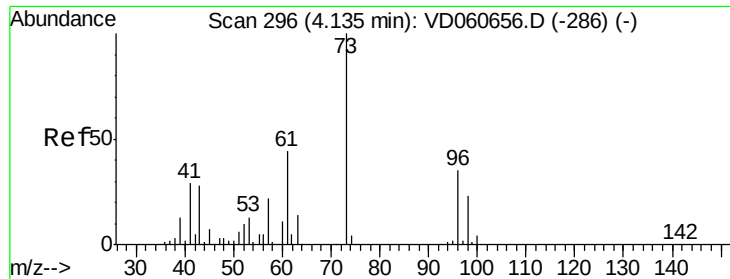
Tgt Ion: 43 Resp: 245231

Ion Ratio Lower Upper

43 100

74 15.5 12.4 18.6





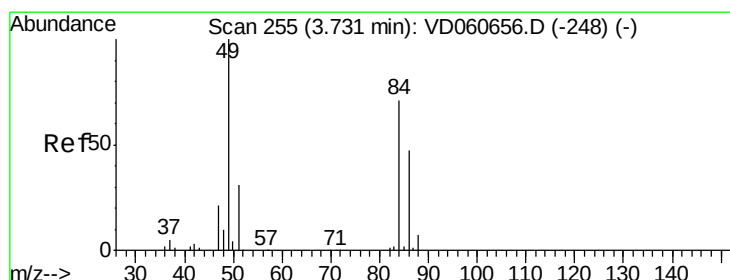
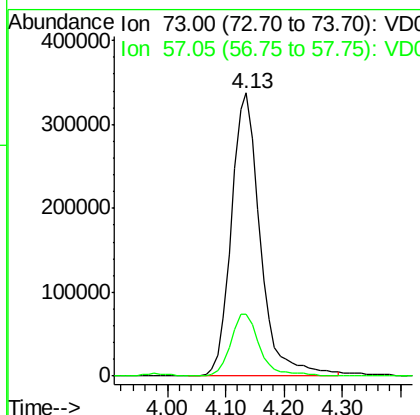
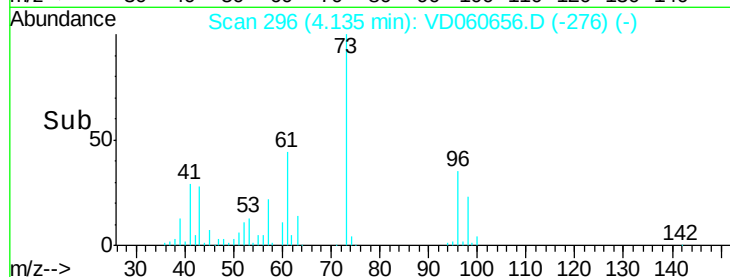
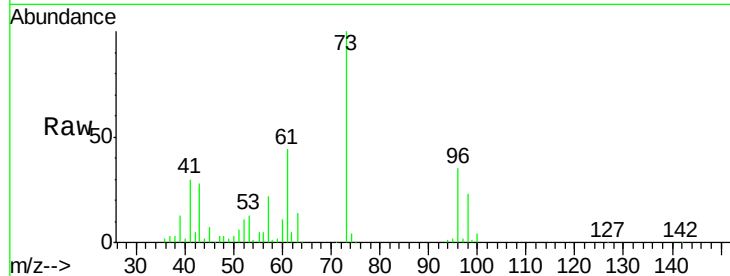
#19
Methyl tert-butyl Ether
Concen: 50.483 ug/l
RT: 4.13 min Scan# 296
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 1167736
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

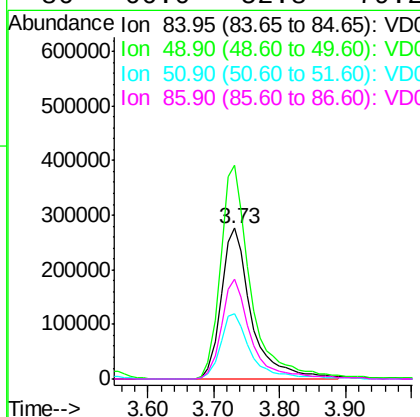
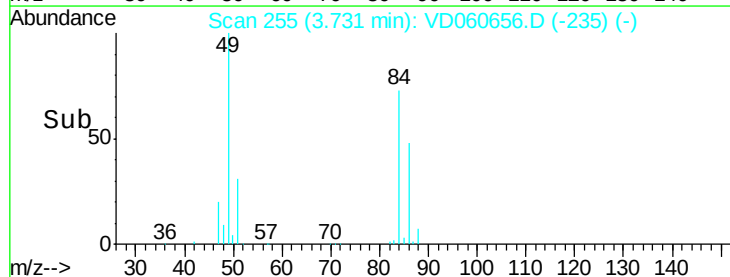
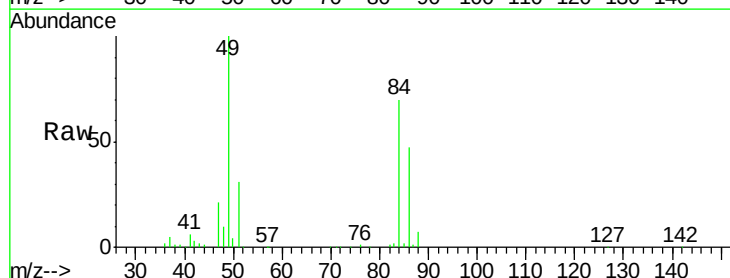
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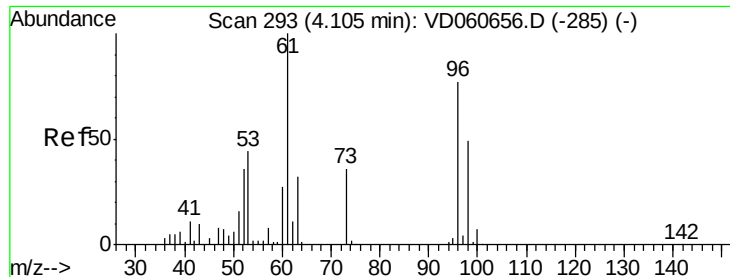
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#20
Methylene Chloride
Concen: 50.401 ug/l
RT: 3.73 min Scan# 255
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion: 84 Resp: 881305
Ion Ratio Lower Upper
84 100
49 142.0 113.6 170.4
51 43.4 34.7 52.1
86 66.0 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 50.182 ug/l

RT: 4.11 min Scan# 293

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

ClientSampled :

VSTDICCC050

Tgt Ion: 96 Resp: 913349

Ion Ratio Lower Upper

96 100

61 130.2 104.2 156.2

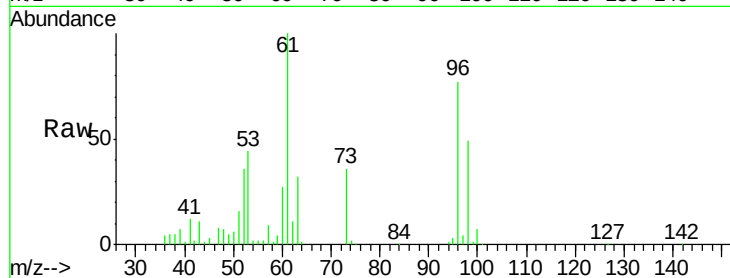
98 64.0 51.2 76.8

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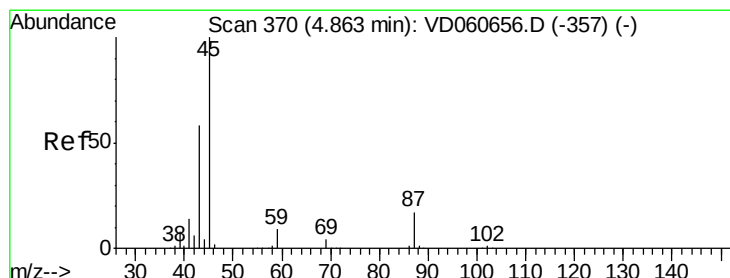
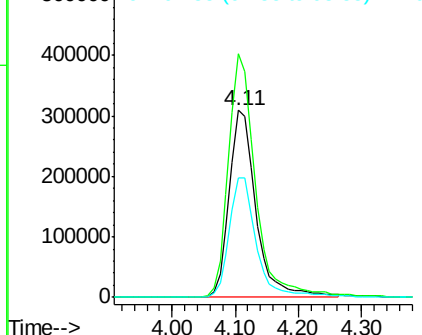
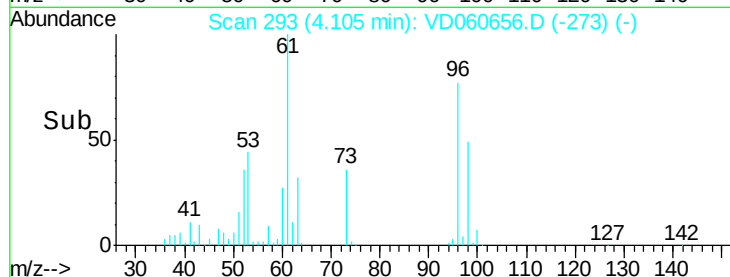
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 50.232 ug/l

RT: 4.86 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Tgt Ion: 45 Resp: 2791781

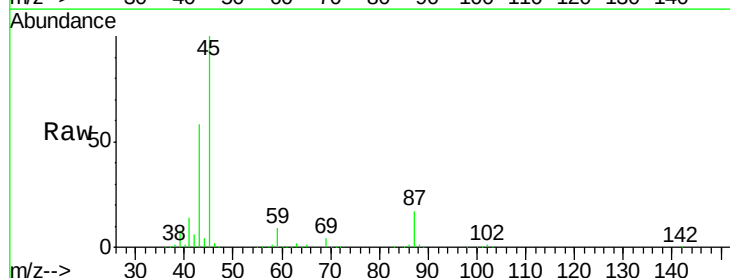
Ion Ratio Lower Upper

45 100

43 57.6 46.1 69.1

87 17.1 13.7 20.5

59 9.2 7.4 11.0

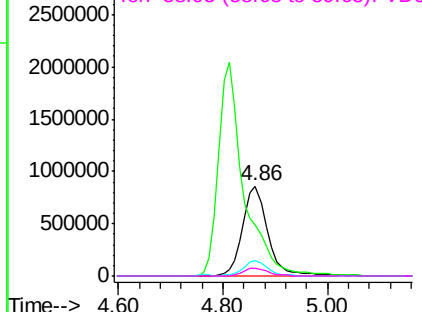
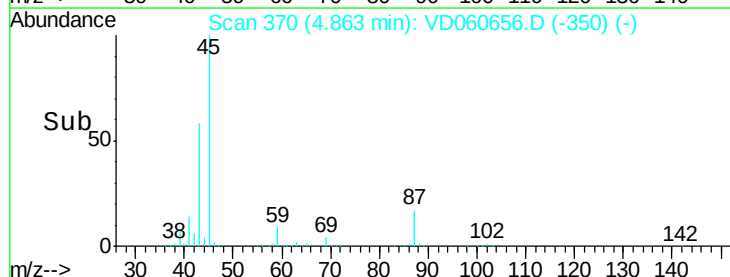


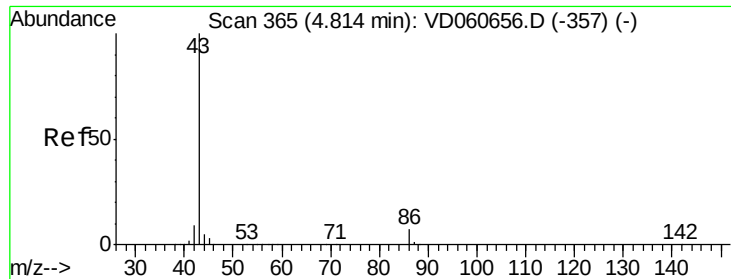
Abundance Ion 45.05 (44.75 to 45.75): VDC

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





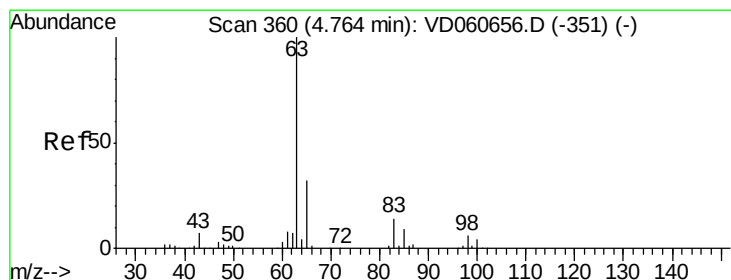
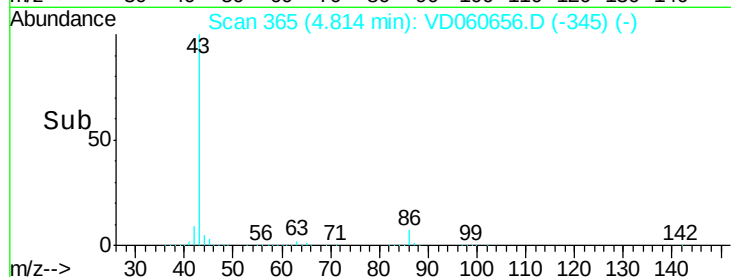
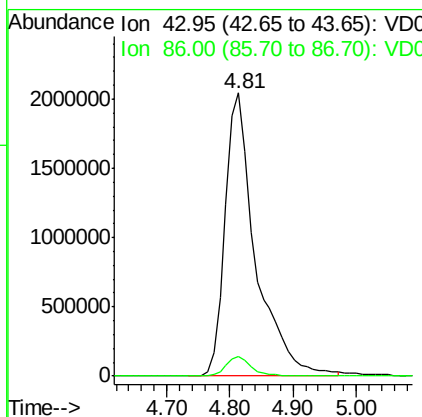
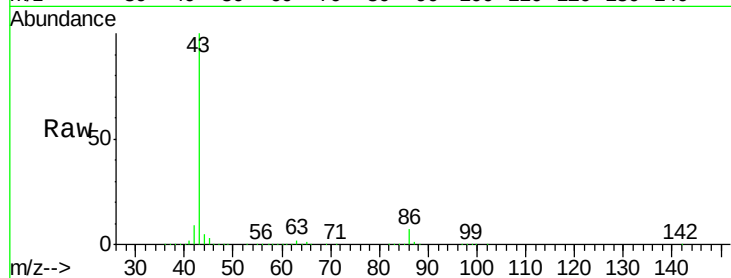
#23
 Vinyl Acetate
 Concen: 251.545 ug/l
 RT: 4.81 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 6866417
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.6 8.4

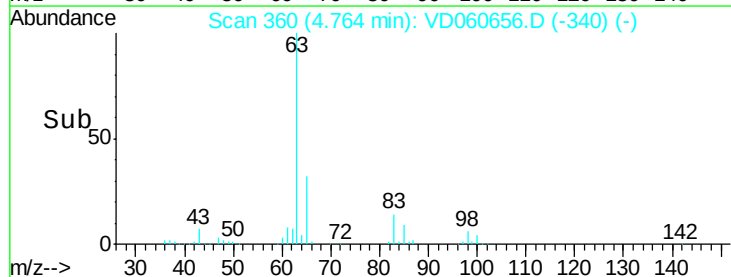
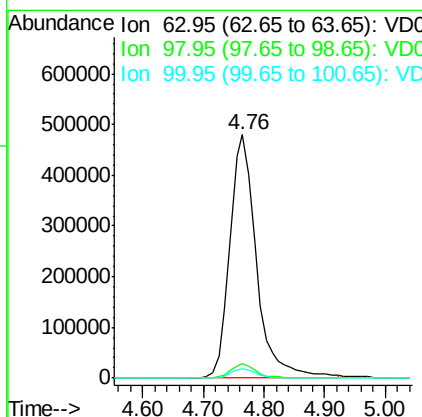
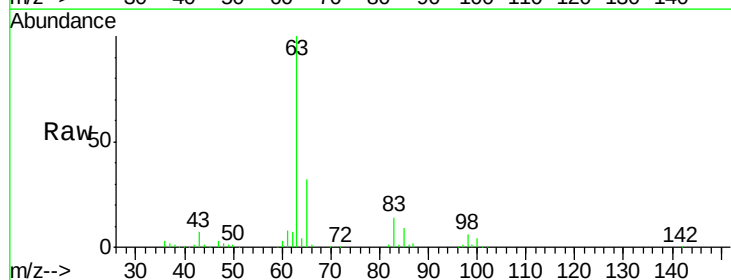
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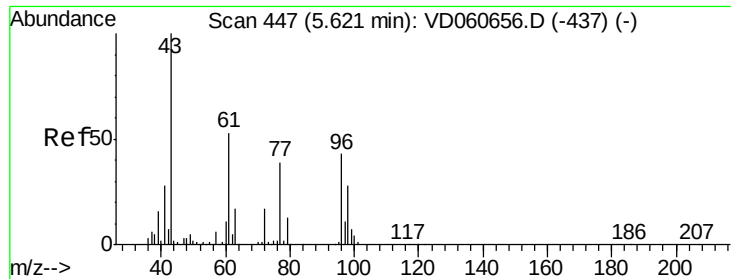
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#24
 1,1-Dichloroethane
 Concen: 50.254 ug/l
 RT: 4.76 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Tgt Ion: 63 Resp: 1463309
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.7
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 249.401 ug/l

RT: 5.62 min Scan# 447

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 964127

Ion Ratio Lower Upper

43 100

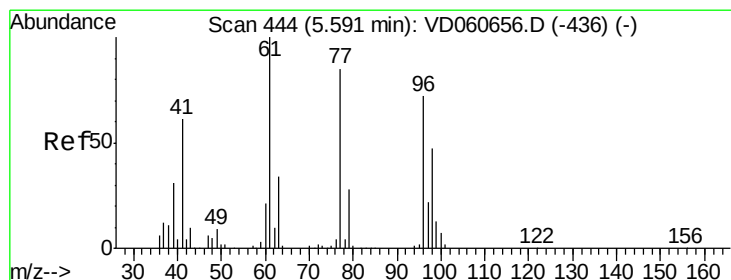
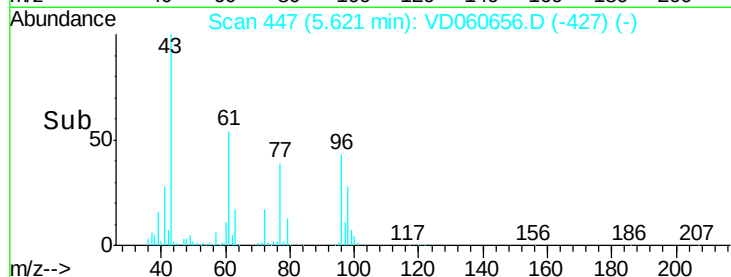
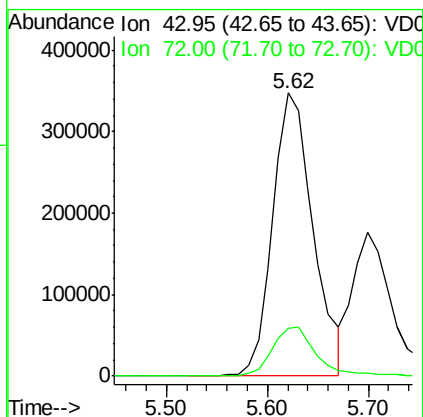
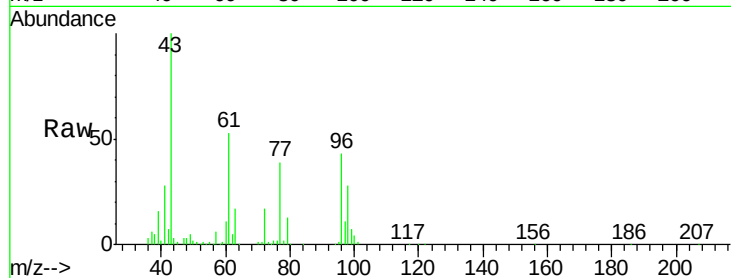
72 17.1 13.7 20.5

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#26

2,2-Dichloropropane

Concen: 49.956 ug/l

RT: 5.59 min Scan# 444

Delta R.T. 0.00 min

Lab File: VD060656.D

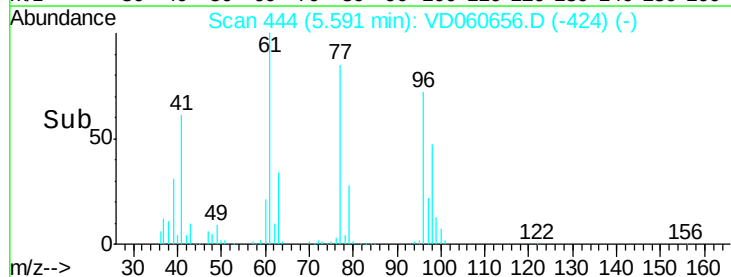
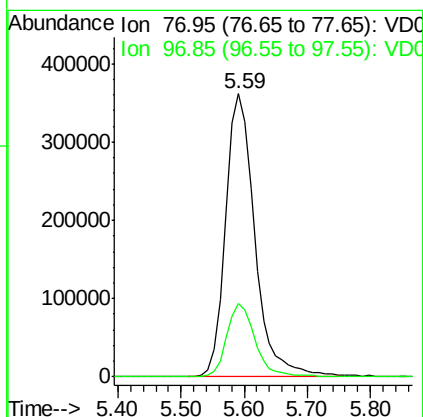
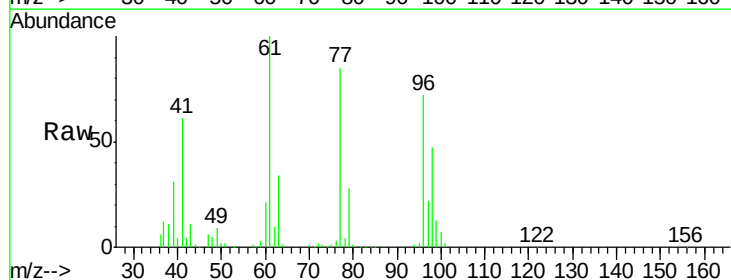
Acq: 20 Dec 2018 13:26

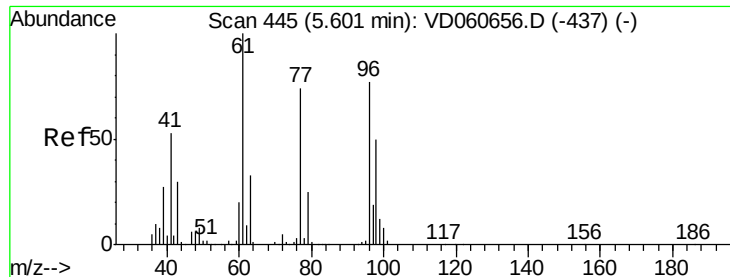
Tgt Ion: 77 Resp: 1159071

Ion Ratio Lower Upper

77 100

97 26.0 13.0 39.0





#27

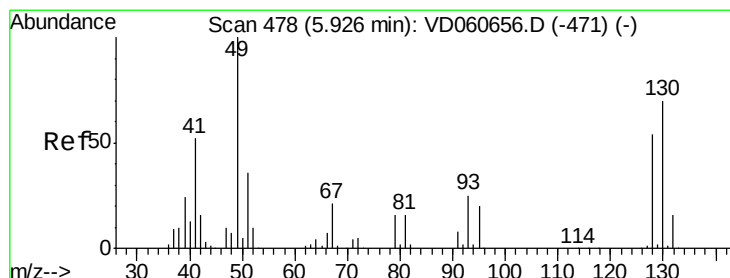
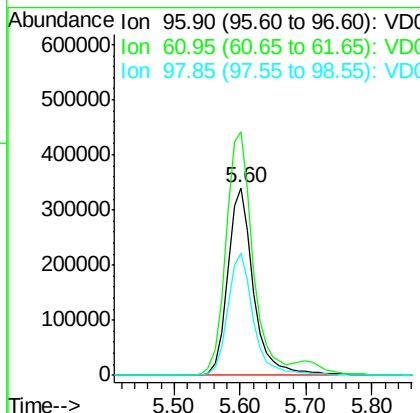
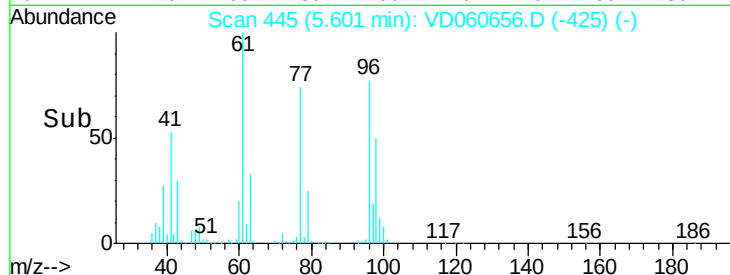
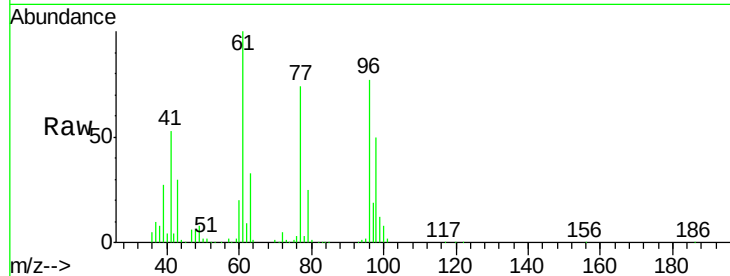
cis-1,2-Dichloroethene
Concen: 49.880 ug/l
RT: 5.60 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.7	0.0	259.4	
98	65.0	0.0	130.0	

Manual Integrations
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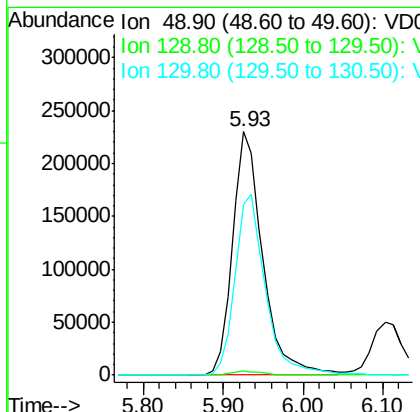
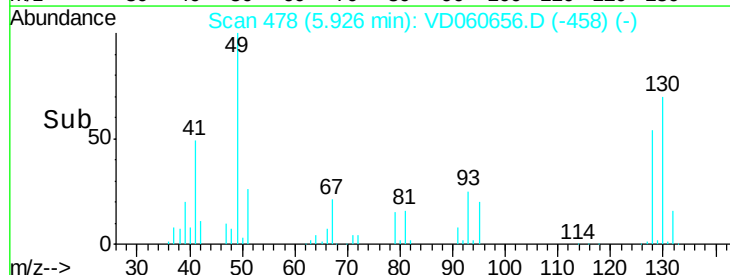
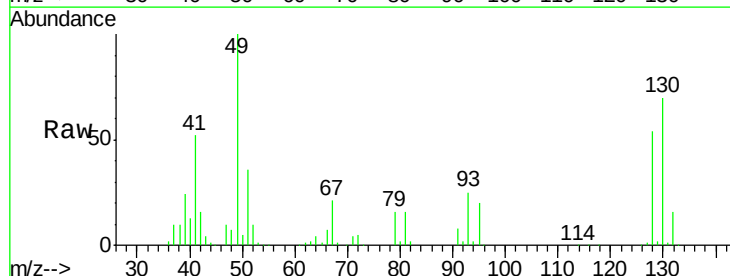
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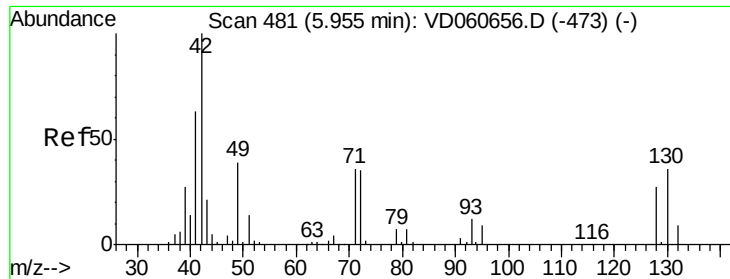


#28

Bromochloromethane
Concen: 49.880 ug/l
RT: 5.93 min Scan# 478
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.4	
130	70.2	56.2	84.2	





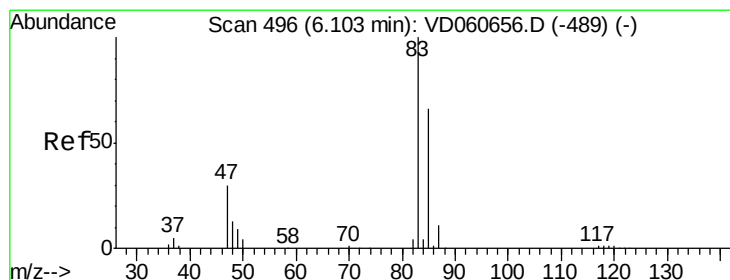
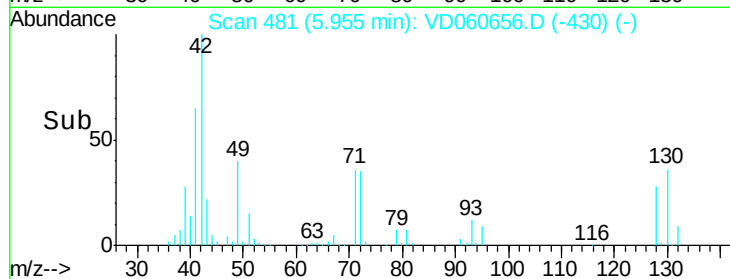
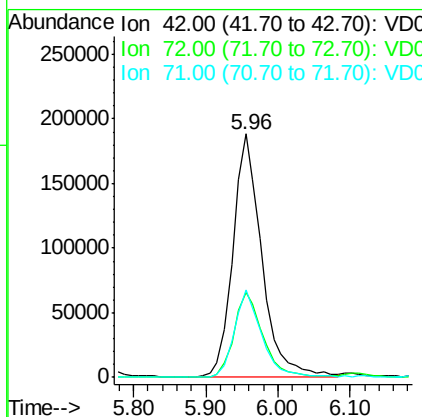
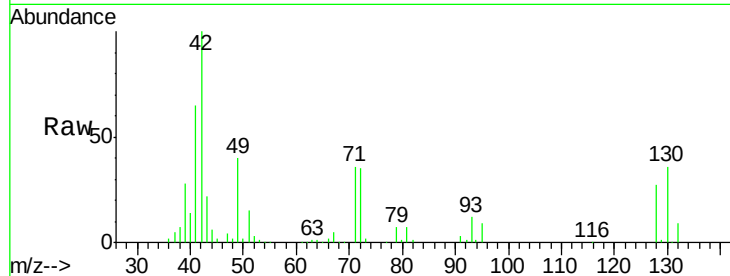
#29
Tetrahydrofuran
Concen: 249.401 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.0	28.0	42.0
71	33.8	27.0	40.6

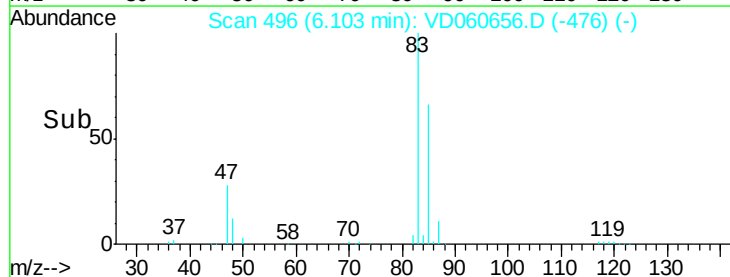
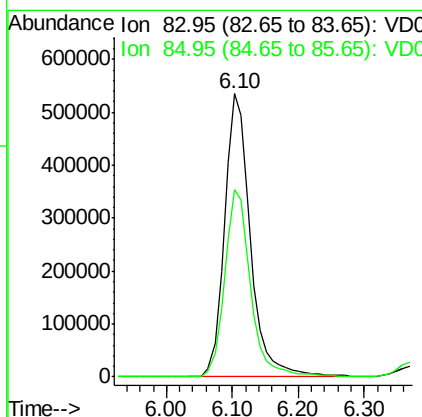
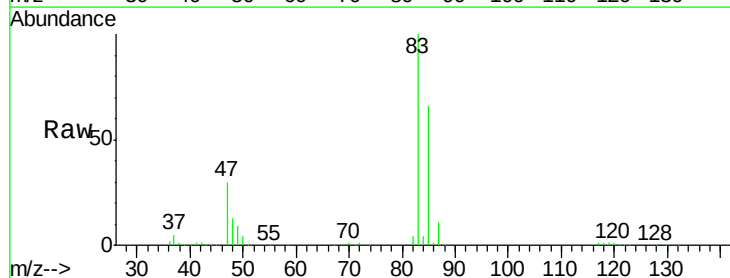
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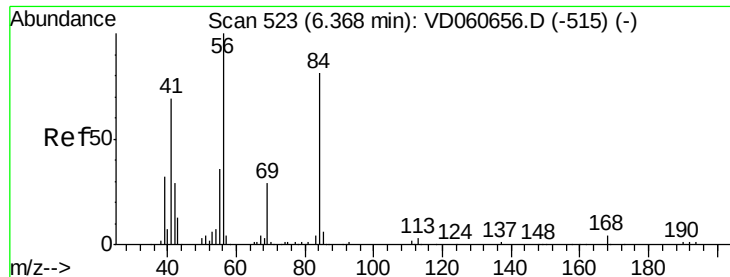
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#30
Chloroform
Concen: 49.880 ug/l
RT: 6.10 min Scan# 496
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.0	79.6





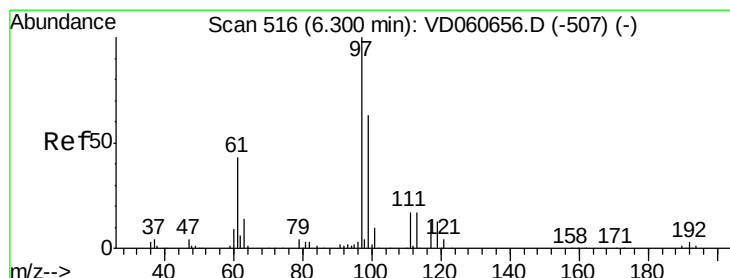
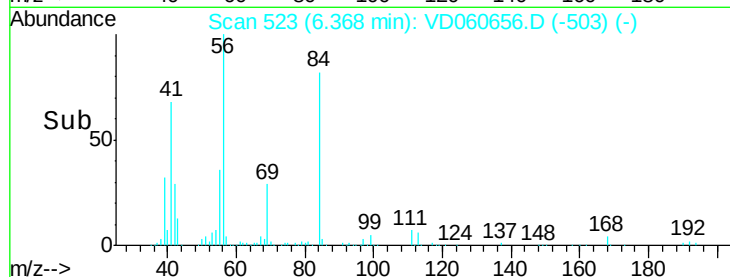
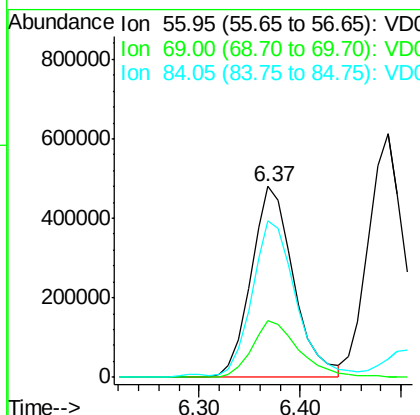
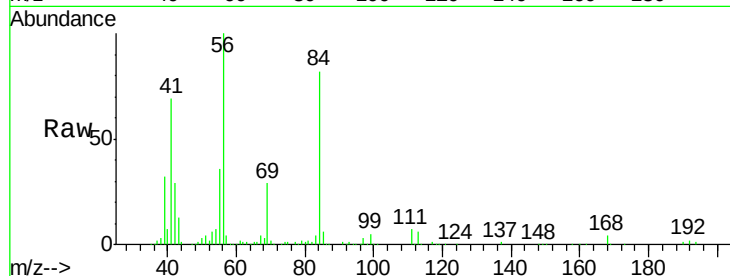
#31
Cyclohexane
Concen: 49.880 ug/l
RT: 6.37 min Scan# 523
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 1400711
Ion Ratio Lower Upper
56 100
69 29.5 23.6 35.4
84 82.2 65.8 98.6

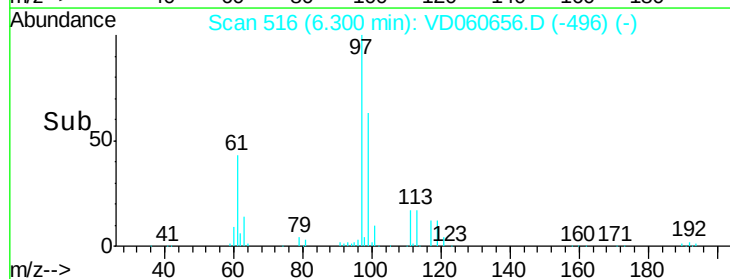
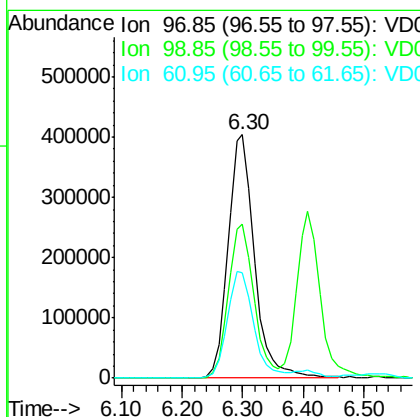
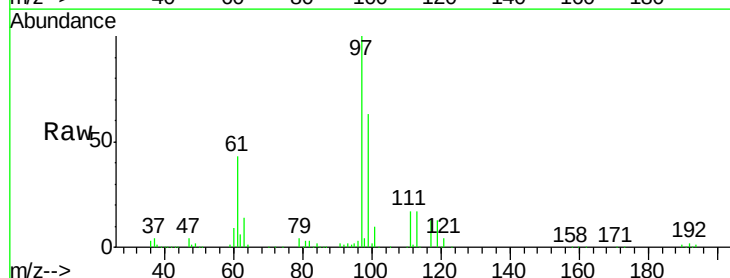
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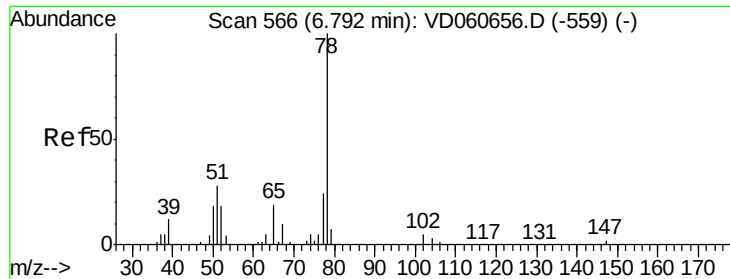
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#32
1,1,1-Trichloroethane
Concen: 49.940 ug/l
RT: 6.30 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion: 97 Resp: 1220287
Ion Ratio Lower Upper
97 100
99 63.1 50.5 75.7
61 43.2 34.6 51.8





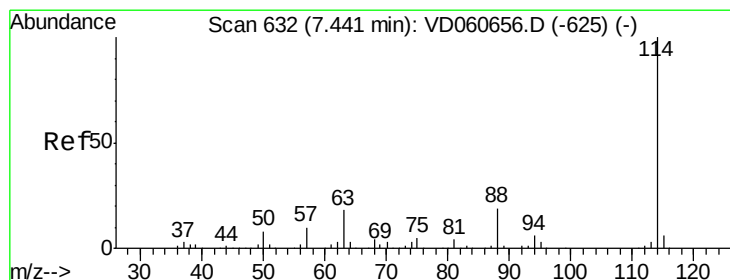
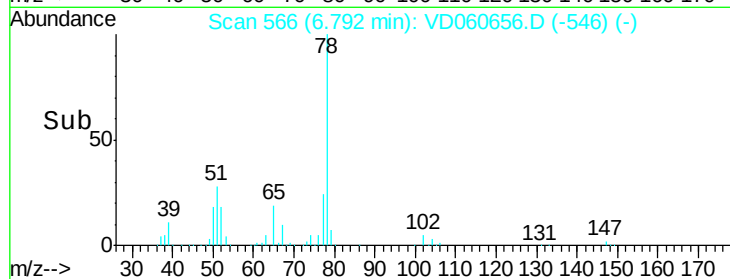
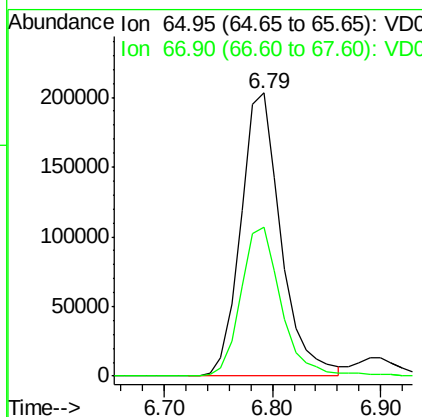
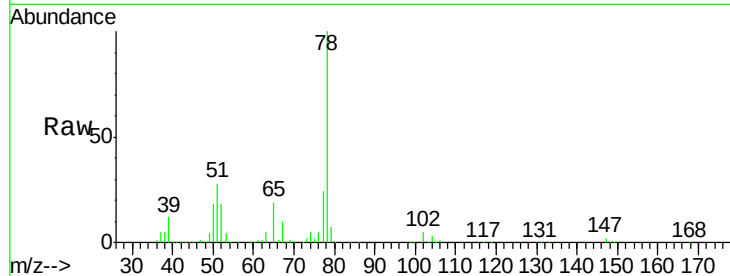
#33
 1,2-Dichloroethane-d4
 Concen: 49.940 ug/l
 RT: 6.79 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 65 Resp: 521851
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.4

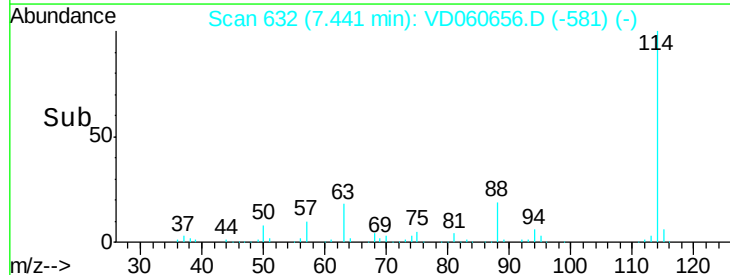
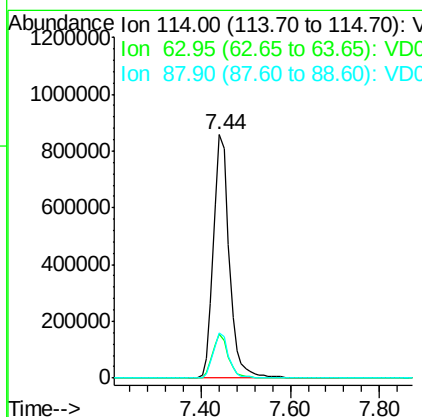
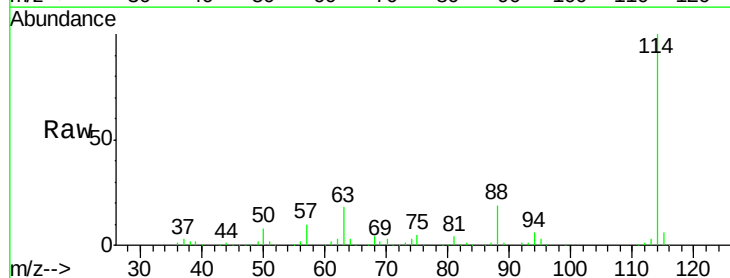
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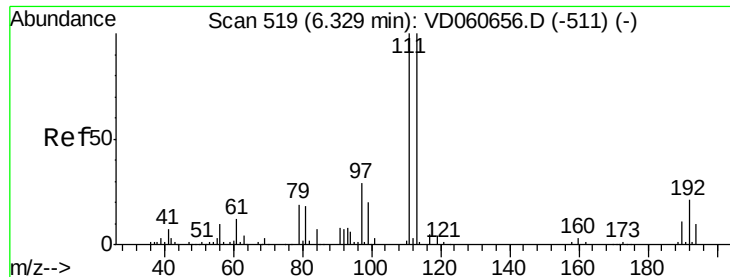
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Tgt Ion: 114 Resp: 2114488
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.2
 88 18.5 0.0 37.0





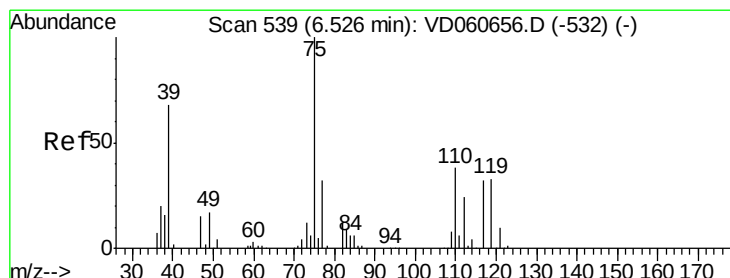
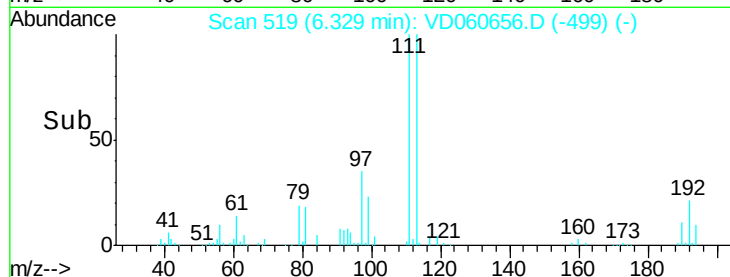
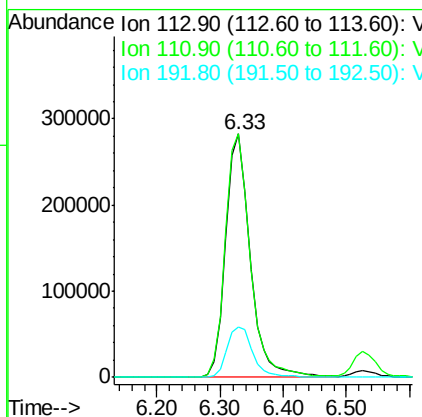
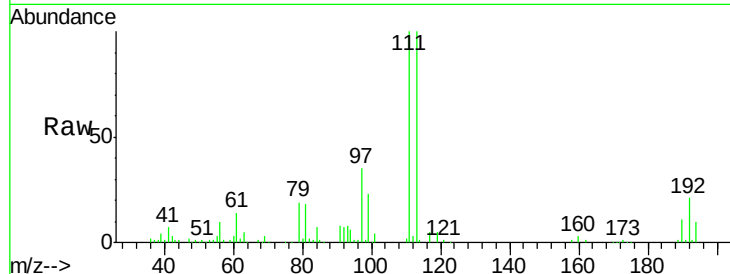
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 519
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	764698		
111	100.0	80.0	120.0	
192	20.8	16.6	25.0	

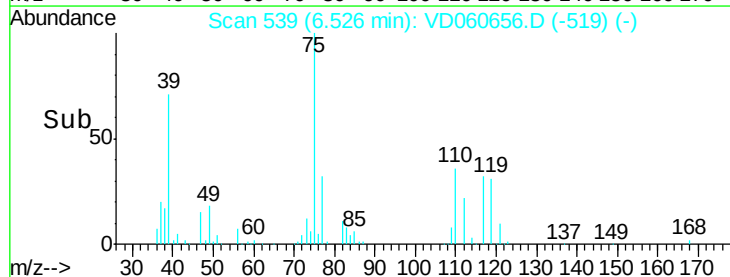
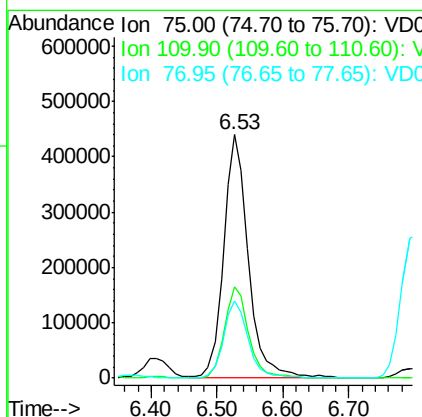
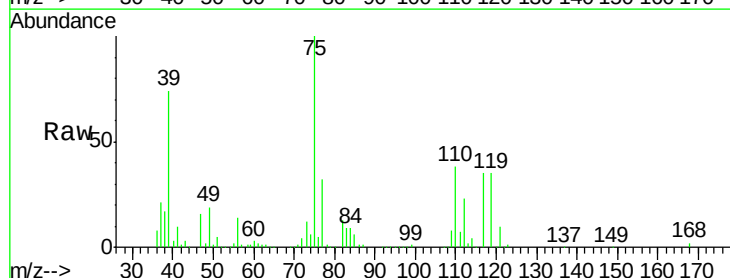
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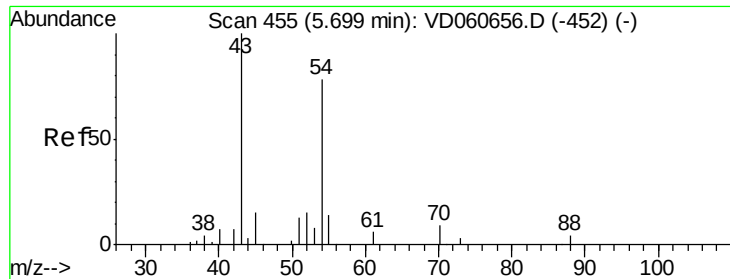
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#36
1,1-Dichloropropene
Concen: 50.082 ug/l
RT: 6.53 min Scan# 539
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1130539		
110	37.8	18.9	56.7	
77	31.7	25.4	38.0	





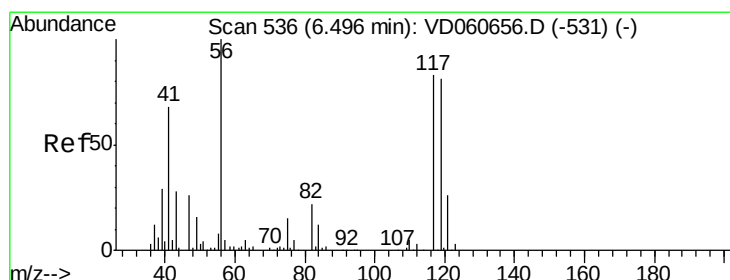
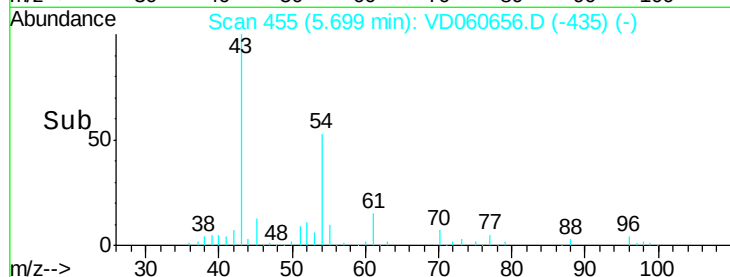
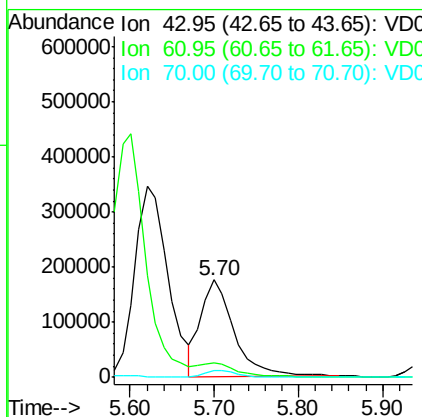
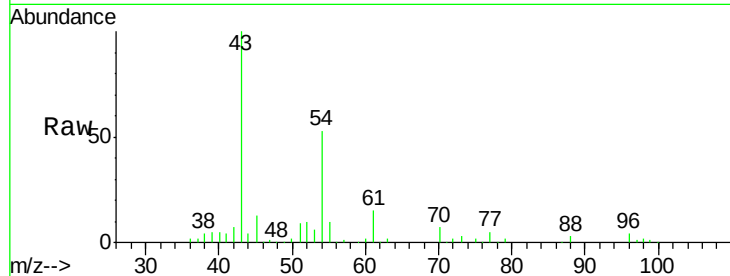
#37
Ethyl Acetate
 Concen: 51.323 ug/l
 RT: 5.70 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	7.2	5.8	8.6

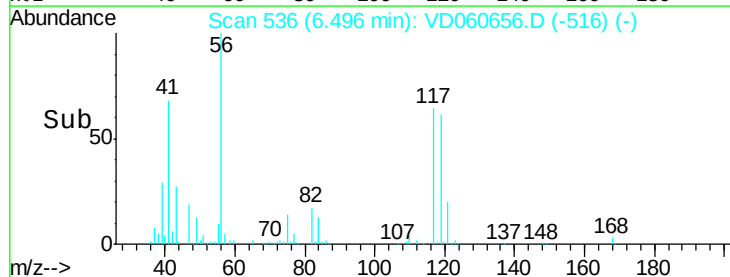
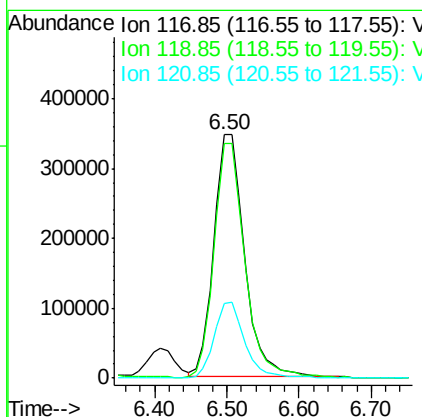
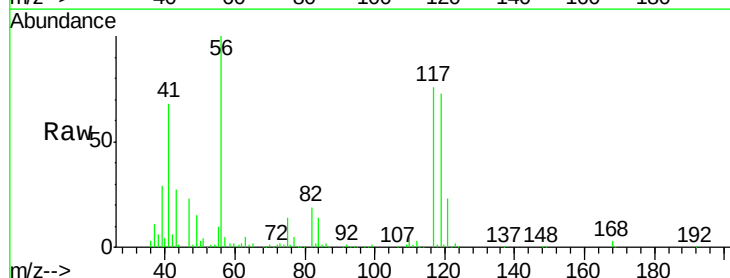
Manual Integrations
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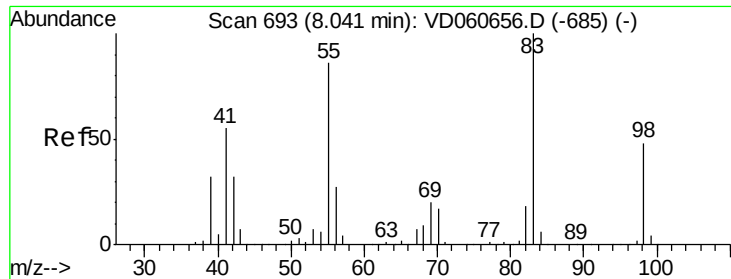
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#38
Carbon Tetrachloride
 Concen: 50.000 ug/l
 RT: 6.50 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
121	30.9	24.7	37.1





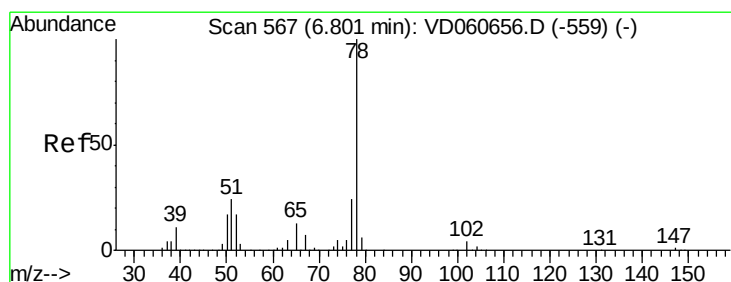
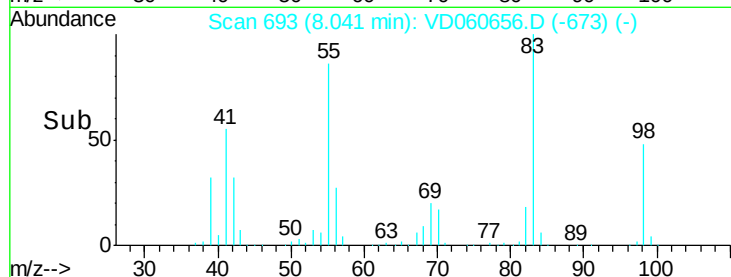
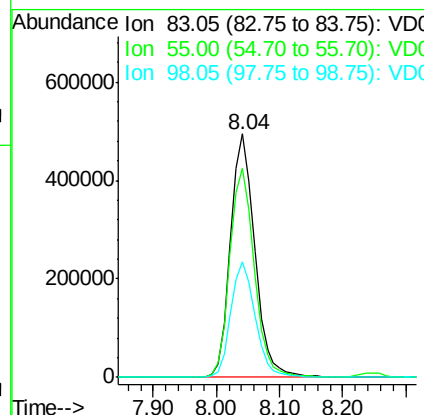
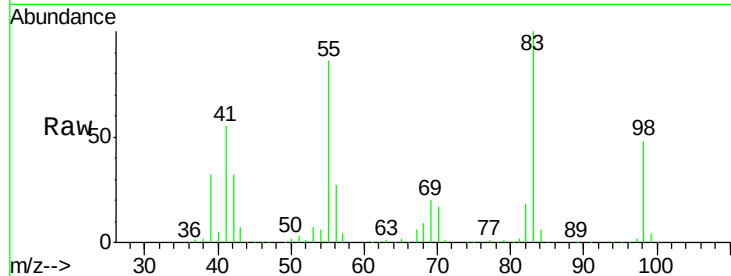
#39
Methylcyclohexane
Concen: 50.000 ug/l
RT: 8.04 min Scan# 693
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 1323886
Ion Ratio Lower Upper
83 100
55 85.7 68.6 102.8
98 47.6 38.1 57.1

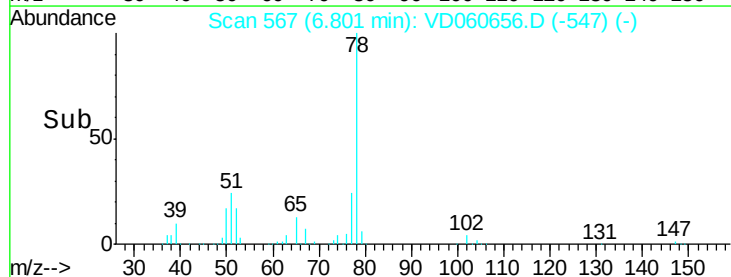
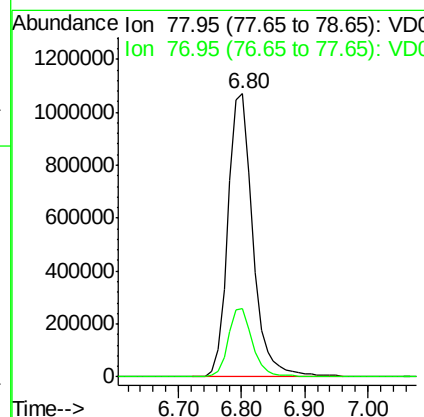
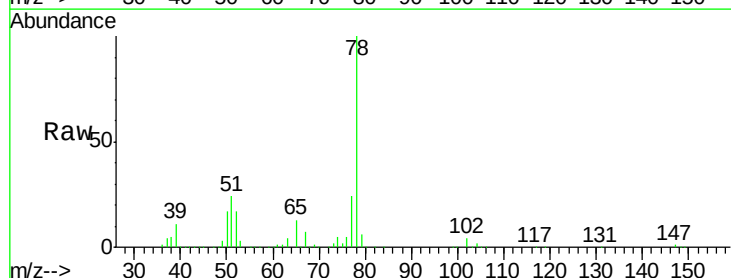
Manual Integrations
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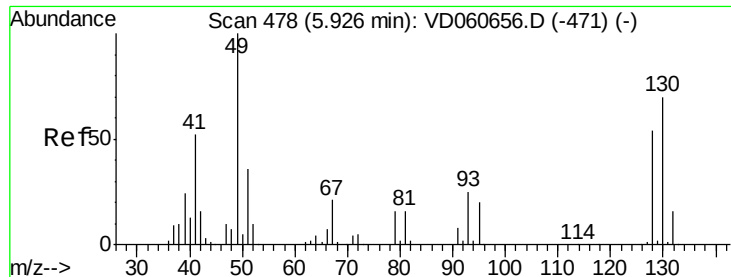
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#40
Benzene
Concen: 50.084 ug/l
RT: 6.80 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion: 78 Resp: 2933549
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8





#41

Methacrylonitrile

Concen: 50.111 ug/l m

RT: 5.93 min Scan# 478

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 276694
Ion Ratio Lower Upper

41 100

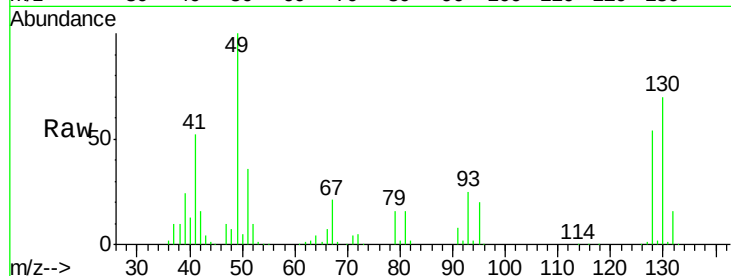
39 47.0 37.6 56.4

67 41.3 33.0 49.6

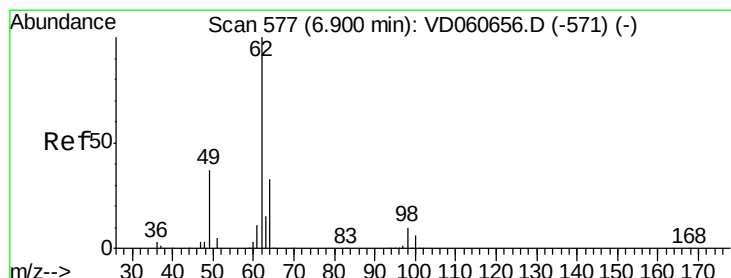
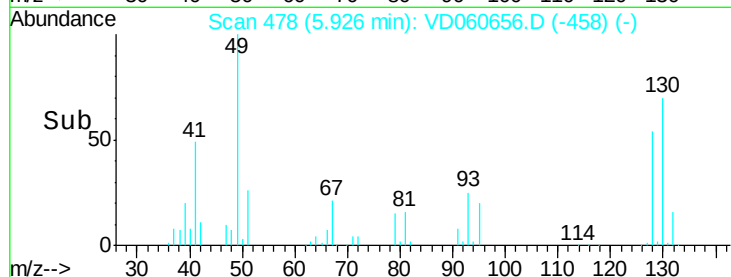
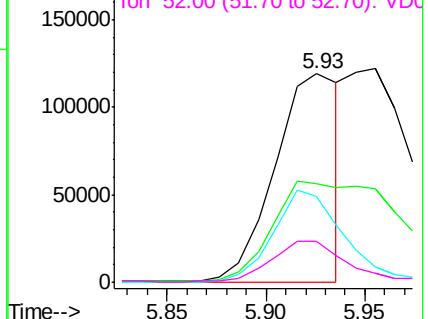
52 19.4 15.5 23.3

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: 50.112 ug/l

RT: 6.90 min Scan# 577

Delta R.T. 0.00 min

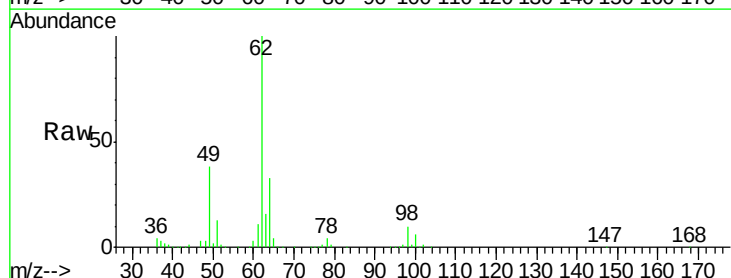
Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

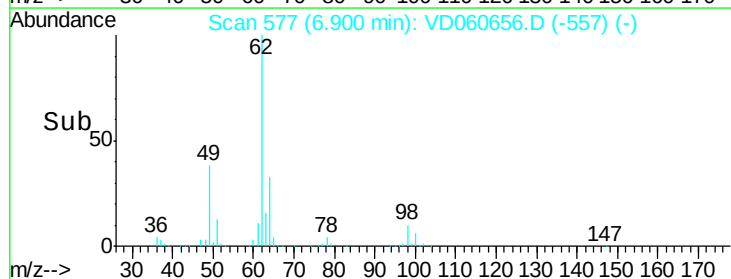
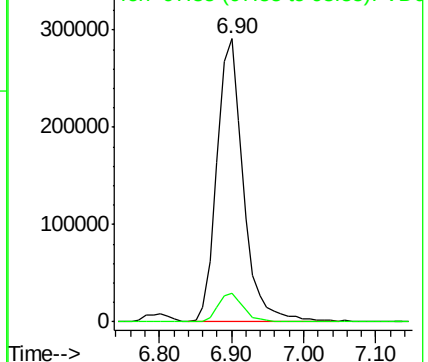
Tgt Ion: 62 Resp: 729500
Ion Ratio Lower Upper

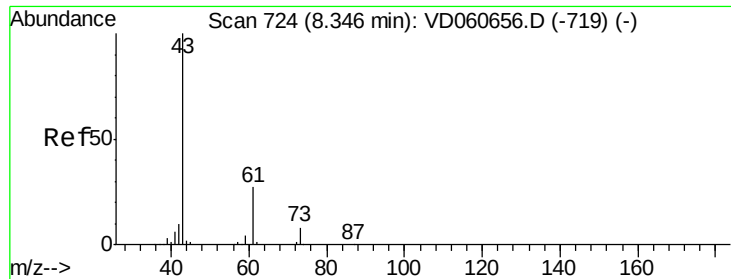
62 100

98 10.2 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: 50.000 ug/l

RT: 8.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

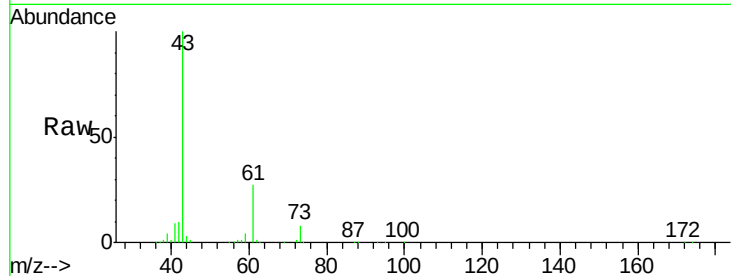
ClientSampleId :

VSTDICCC050

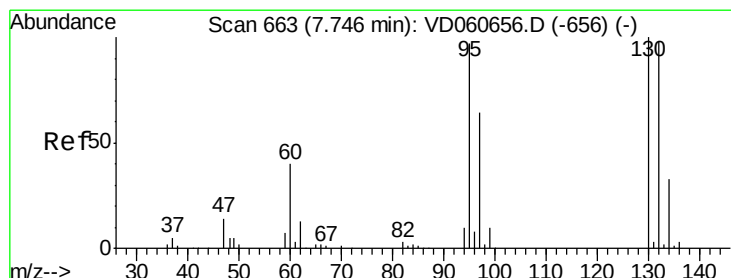
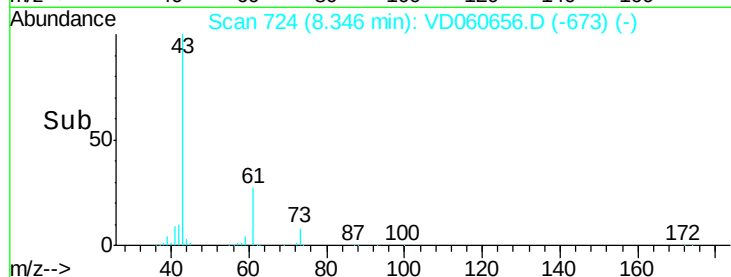
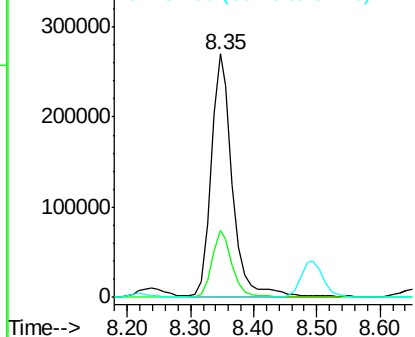
Tgt Ion:	43	Resp:	632716
Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.8	32.8
87	0.3	0.2	0.4

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



#44

Trichloroethene

Concen: 50.022 ug/l

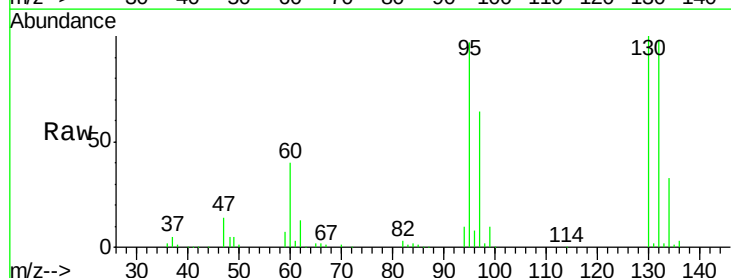
RT: 7.75 min Scan# 663

Delta R.T. 0.00 min

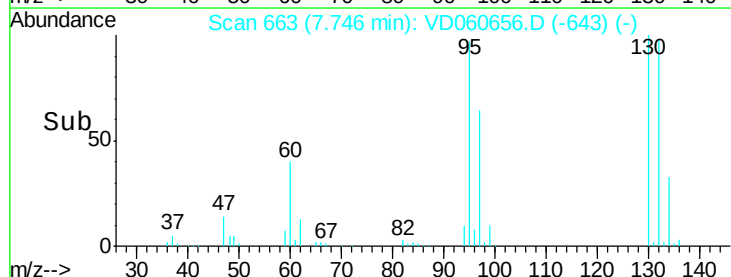
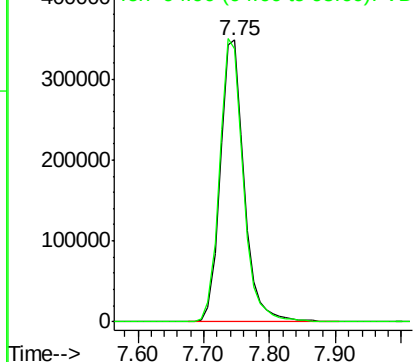
Lab File: VD060656.D

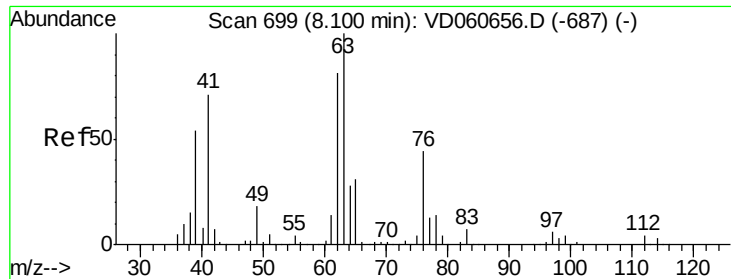
Acq: 20 Dec 2018 13:26

Tgt Ion:	130	Resp:	876758
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	193.6



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





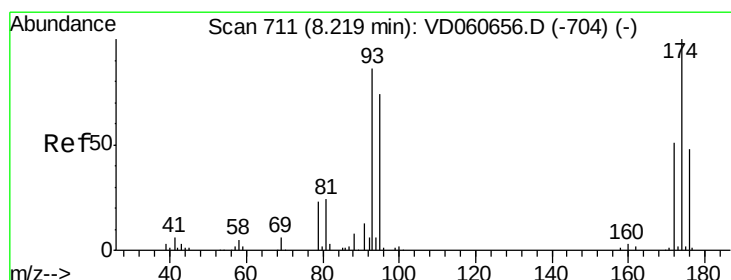
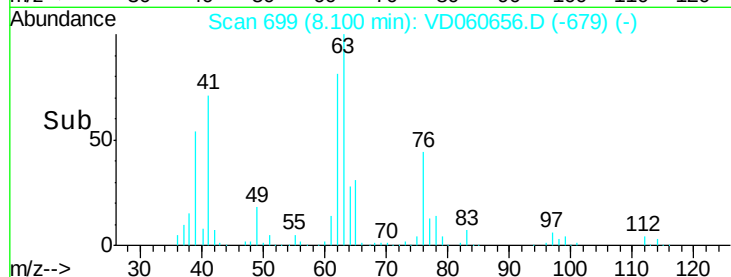
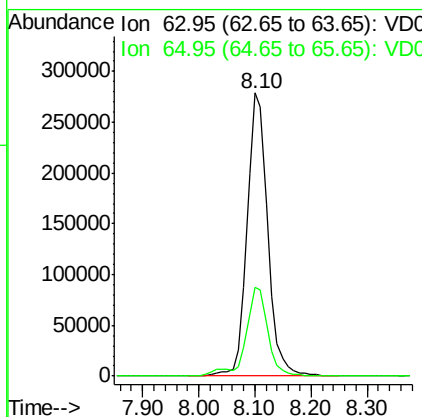
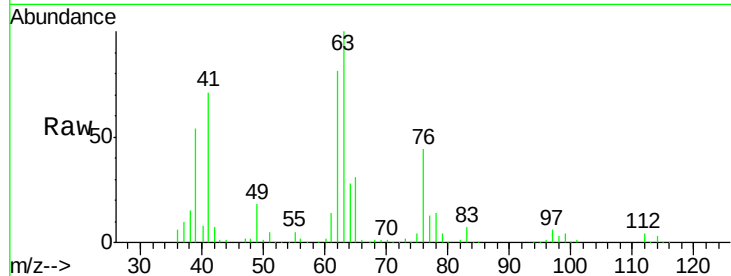
#45
 1,2-Dichloropropane
 Concen: 49.962 ug/l
 RT: 8.10 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 710732
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

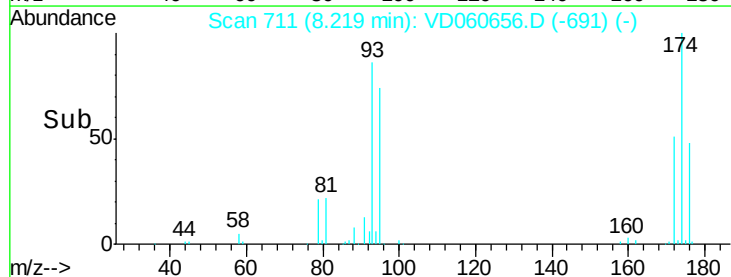
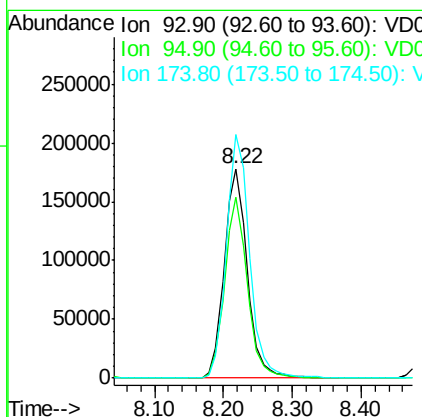
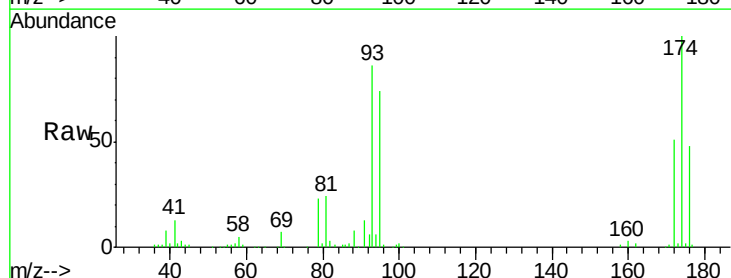
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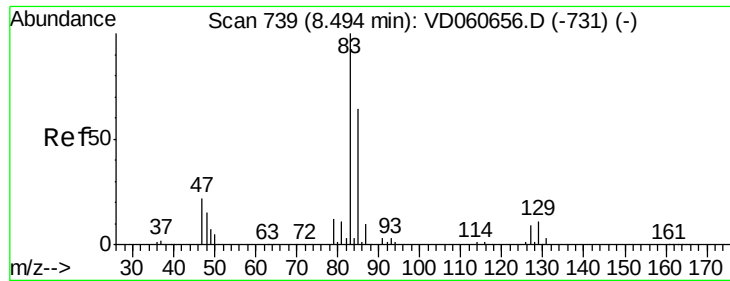
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#46
 Dibromomethane
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Tgt Ion: 93 Resp: 412536
 Ion Ratio Lower Upper
 93 100
 95 86.0 68.8 103.2
 174 116.2 93.0 139.4





#47

Bromodichloromethane

Concen: 50.000 ug/l

RT: 8.49 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

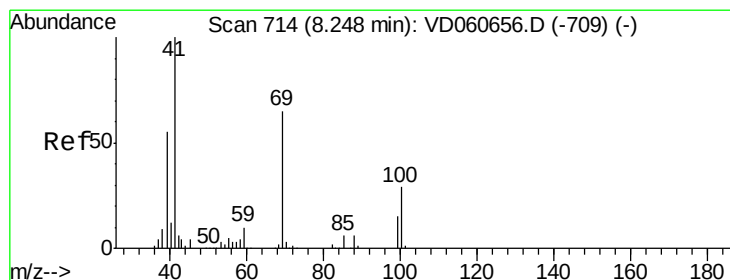
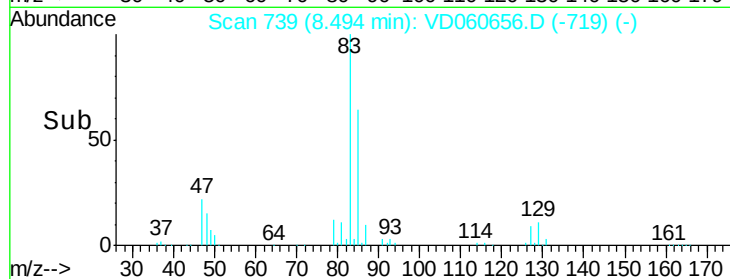
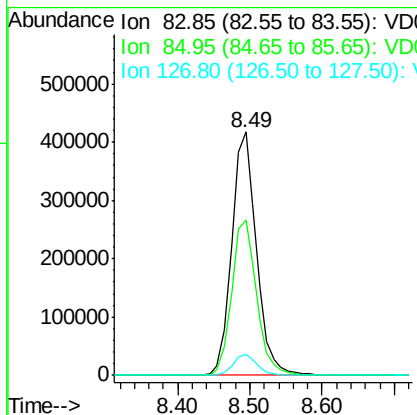
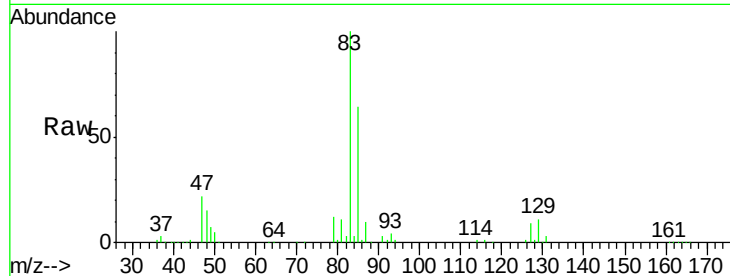
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	997393
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.1	76.7
127	8.8	7.0	10.6

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#48

Methyl methacrylate

Concen: 50.000 ug/l

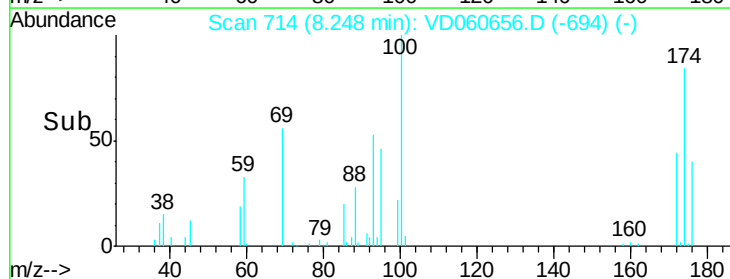
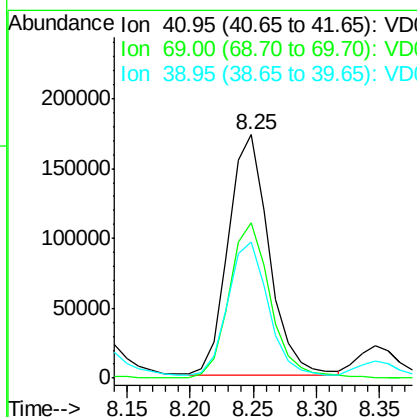
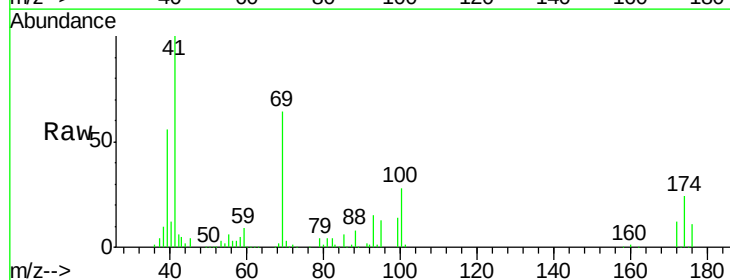
RT: 8.25 min Scan# 714

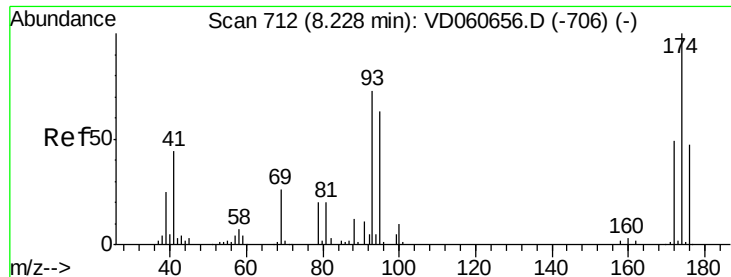
Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Tgt Ion:	41	Resp:	385134
Ion Ratio	Lower	Upper	
41	100		
69	64.0	51.2	76.8
39	55.8	44.6	67.0





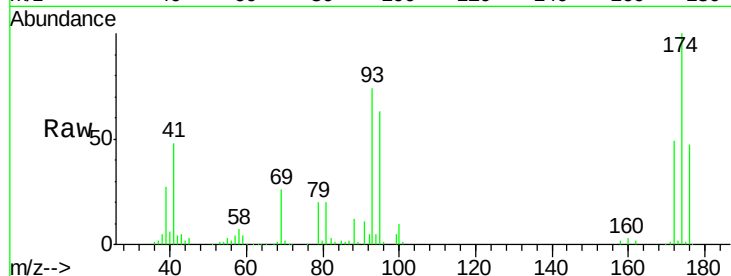
#49
1,4-Dioxane
Concen: 1000.000 ug/l
RT: 8.23 min Scan# 712
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

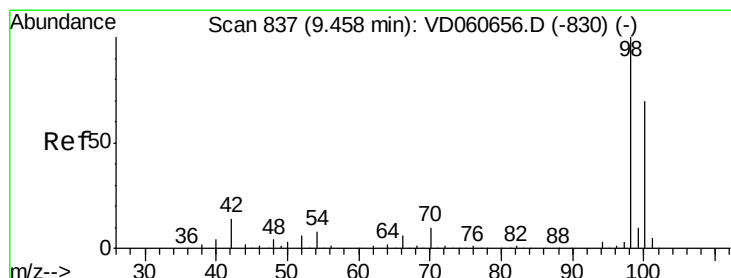
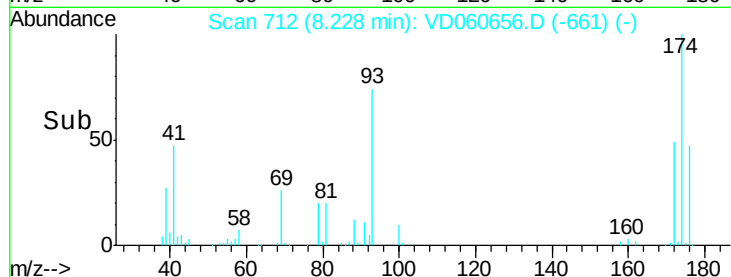
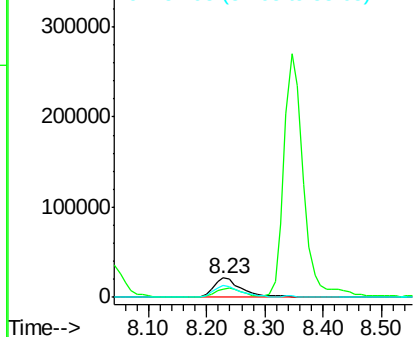
Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.4	31.5	47.3
58	63.3	50.6	76.0

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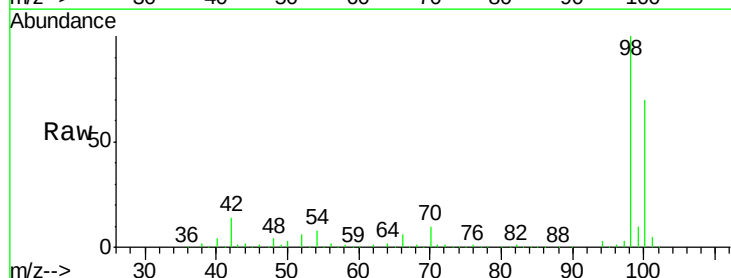


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

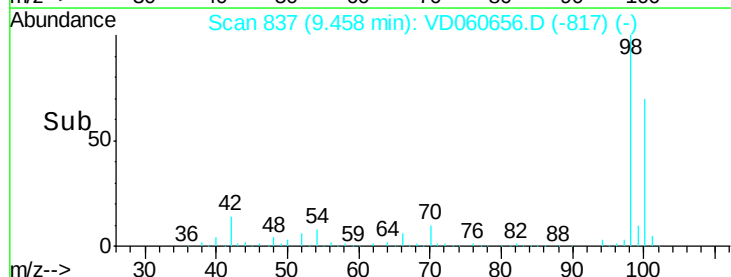
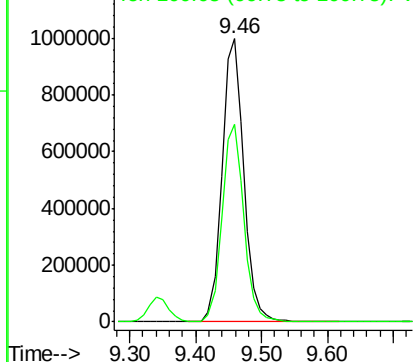


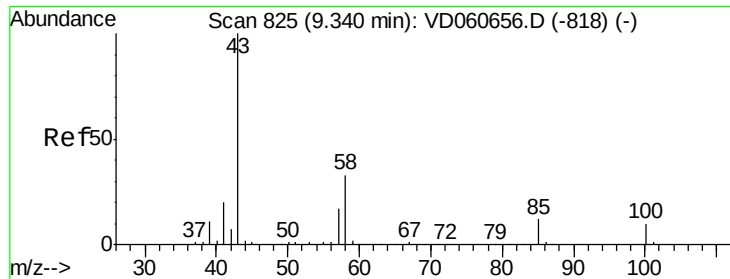
#50
Toluene-d8
Concen: 1000.000 ug/l
RT: 9.46 min Scan# 837
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.8	55.8	83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 250.000 ug/l

RT: 9.34 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1940232

Ion Ratio Lower Upper

43 100

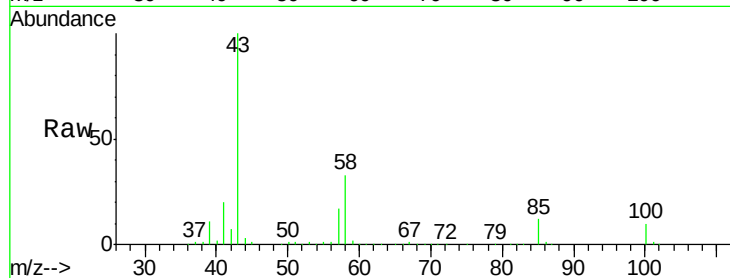
58 32.9 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

800000

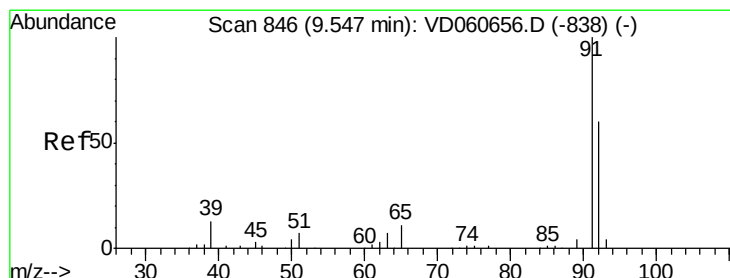
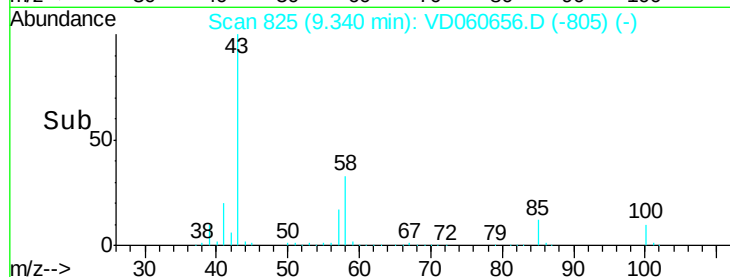
600000

400000

200000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 49.987 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.00 min

Lab File: VD060656.D

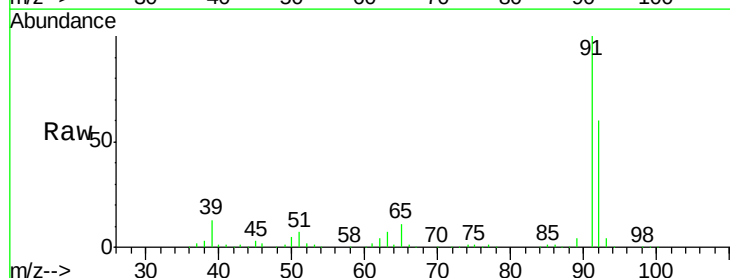
Acq: 20 Dec 2018 13:26

Tgt Ion: 92 Resp: 1859474

Ion Ratio Lower Upper

92 100

91 165.8 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.55

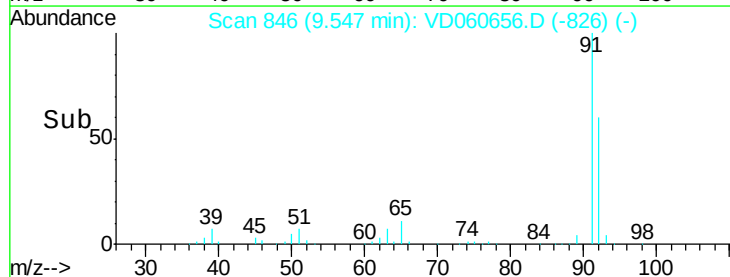
1500000

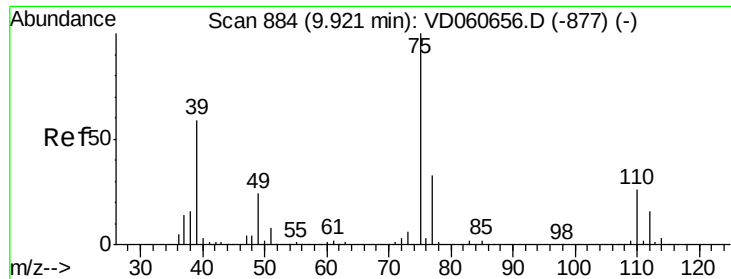
1000000

500000

0

Time--> 9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 50.000 ug/l

RT: 9.92 min Scan# 884

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Tgt Ion: 75 Resp: 846851

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0

Instrument :

MSVOA_D

ClientSampleId :

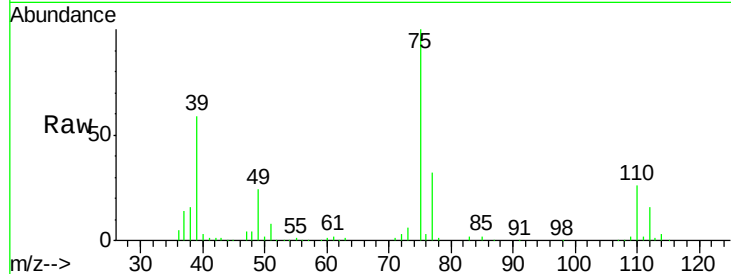
VSTDICCC050

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

400000

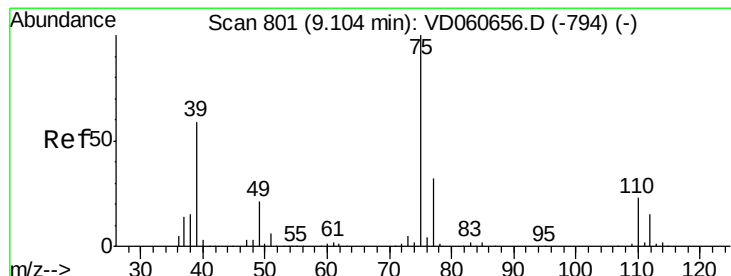
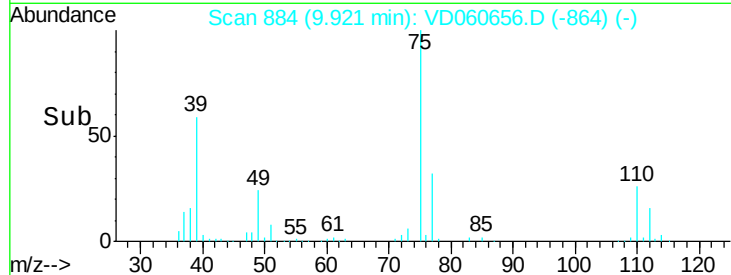
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.984 ug/l

RT: 9.10 min Scan# 801

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

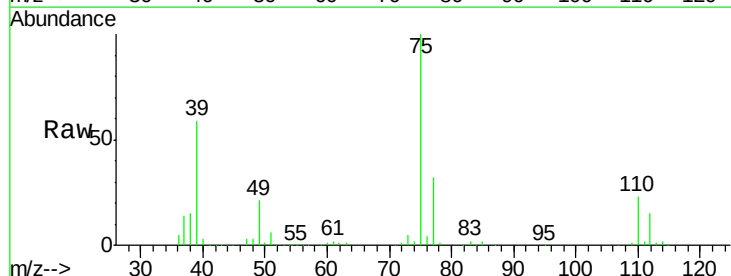
Tgt Ion: 75 Resp: 1106575

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

39 58.7 47.0 70.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

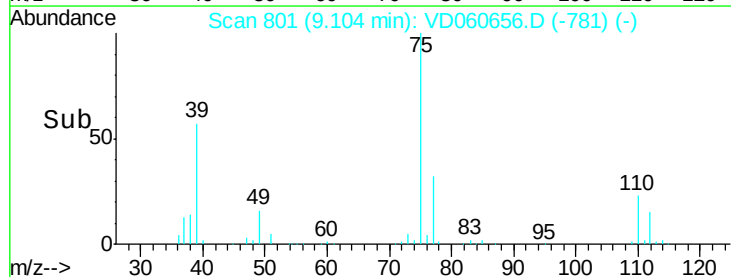
600000

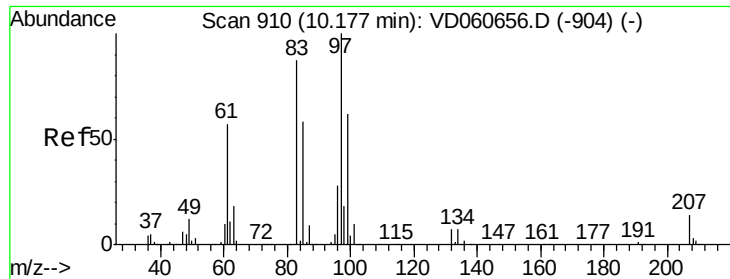
400000

200000

0

Time-->





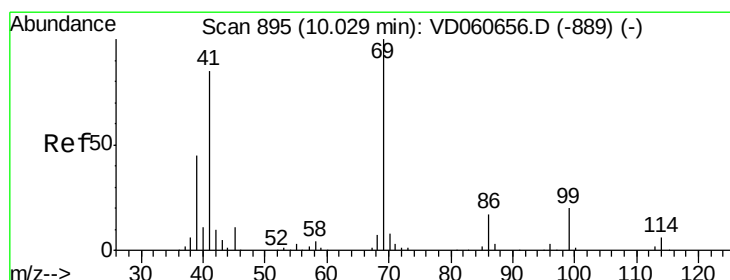
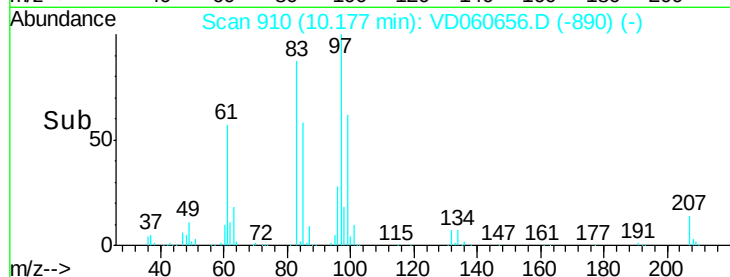
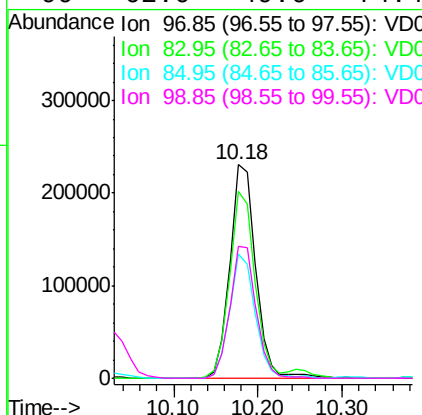
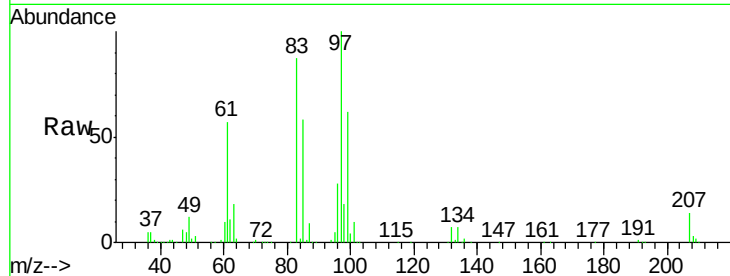
#55
 1,1,2-Trichloroethane
 Concen: 50.000 ug/l
 RT: 10.18 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:	97	Resp:	493224
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.0	105.0
85	58.3	46.6	70.0
99	62.0	49.6	74.4

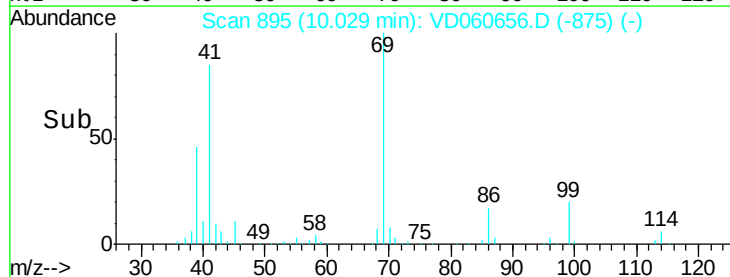
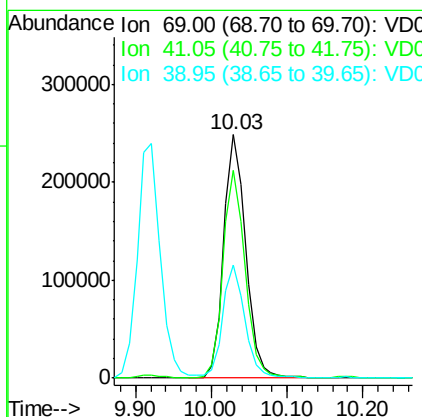
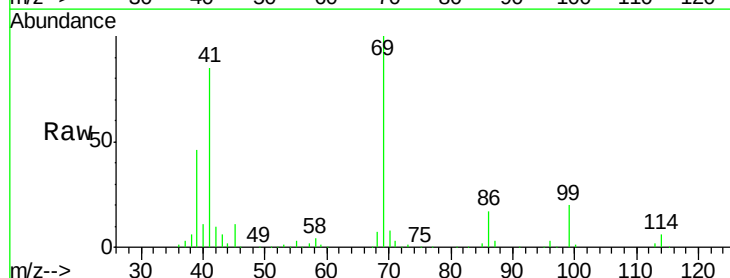
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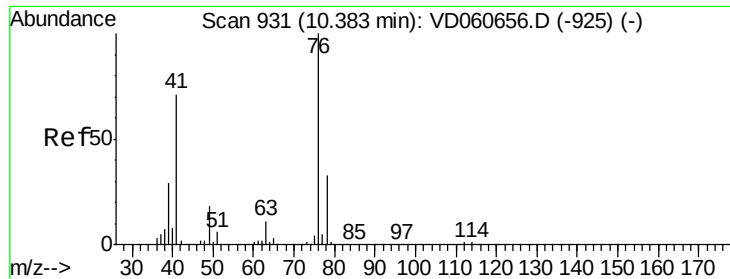
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#56
 Ethyl methacrylate
 Concen: 50.000 ug/l
 RT: 10.03 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Tgt Ion:	69	Resp:	504534
Ion	Ratio	Lower	Upper
69	100		
41	85.4	68.3	102.5
39	46.5	37.2	55.8





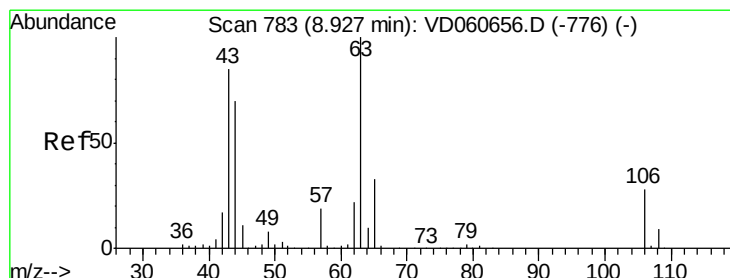
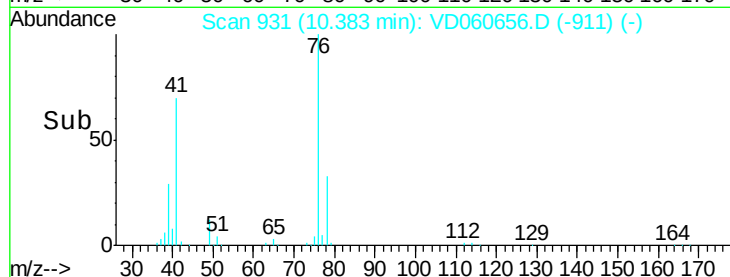
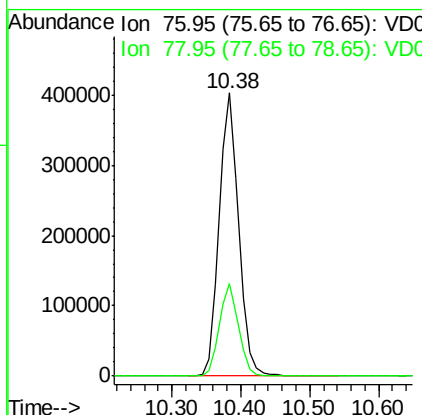
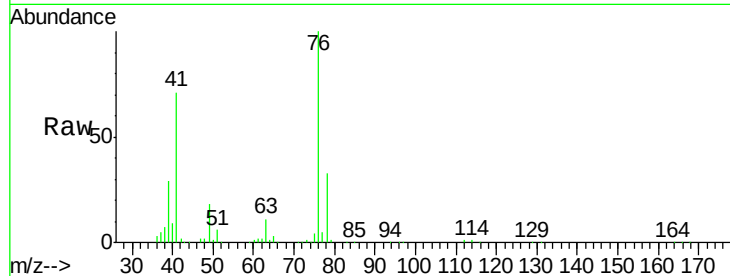
#57
 1,3-Dichloropropane
 Concen: 49.986 ug/l
 RT: 10.38 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 76 Resp: 786359
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

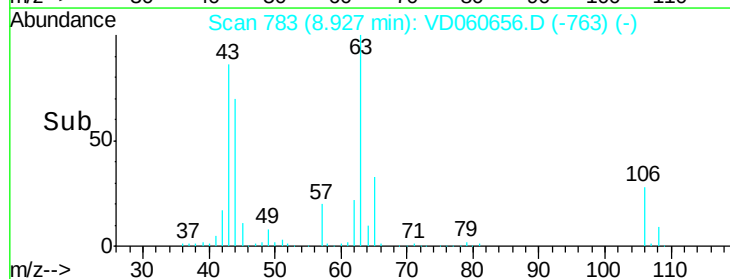
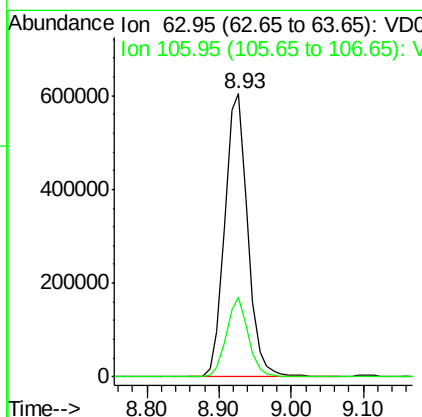
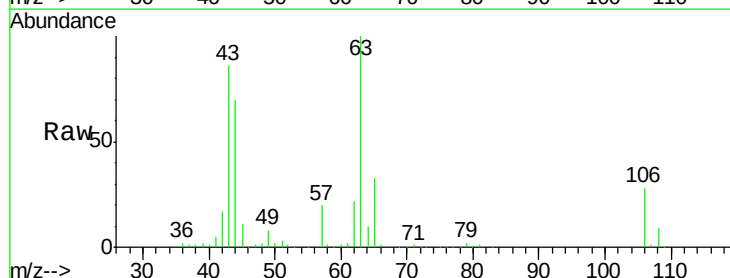
Manual Integrations
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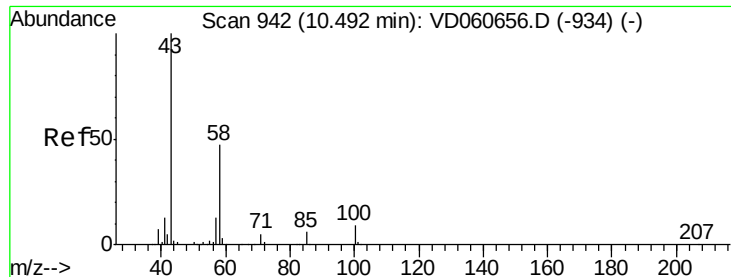
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#58
 2-Chloroethyl Vinyl ether
 Concen: 250.000 ug/l
 RT: 8.93 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Tgt Ion: 63 Resp: 1331132
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.4 33.6





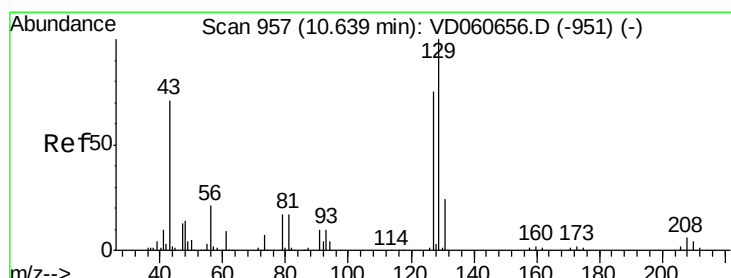
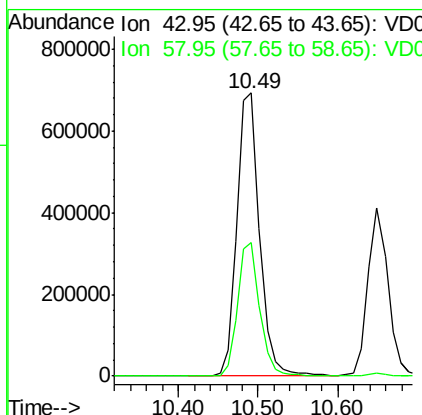
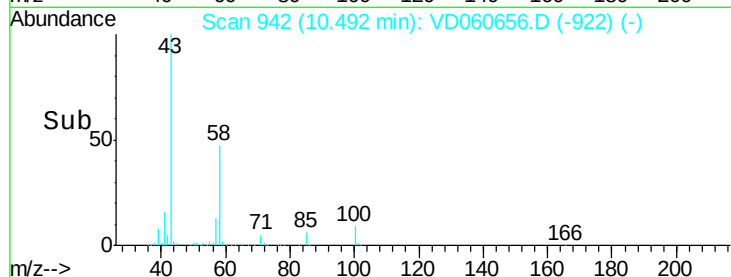
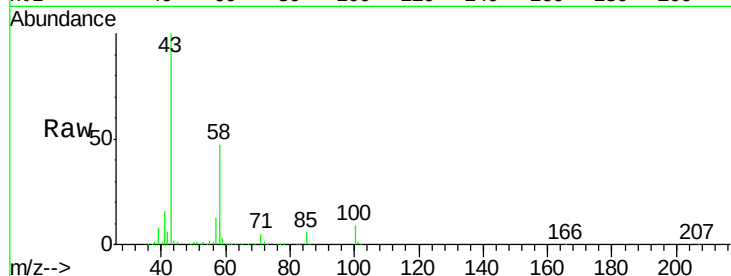
#59
2-Hexanone
Concen: 250.000 ug/l
RT: 10.49 min Scan# 942
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1378600
Ion Ratio Lower Upper
43 100
58 47.0 23.5 70.5

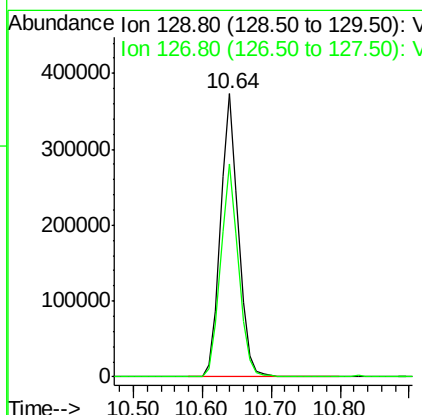
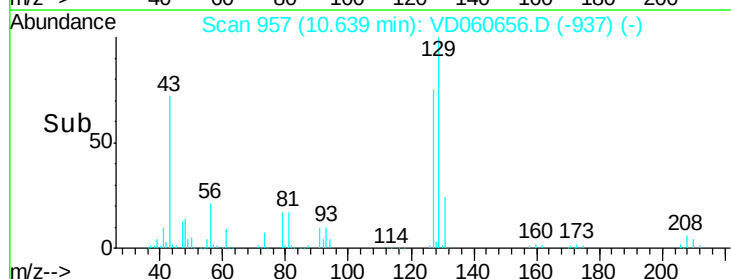
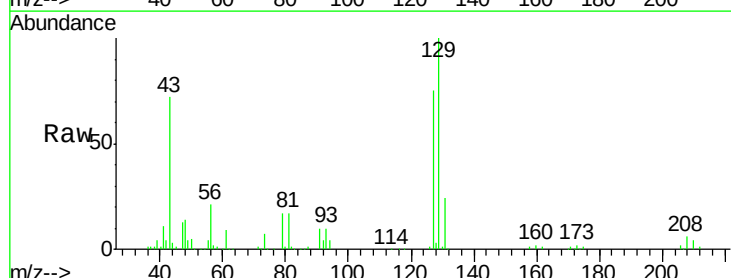
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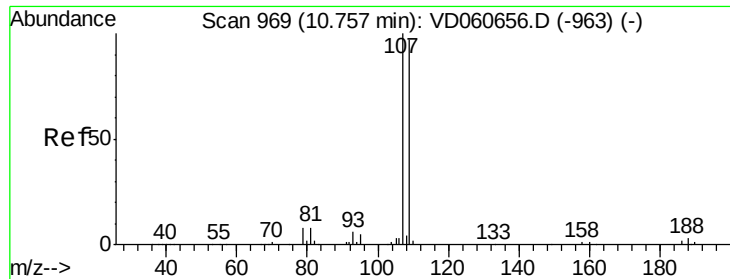
apatel
12/21/2018 11:32:38 AM



#60
Dibromochloromethane
Concen: 50.000 ug/l
RT: 10.64 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion: 129 Resp: 668784
Ion Ratio Lower Upper
129 100
127 75.3 37.6 112.9





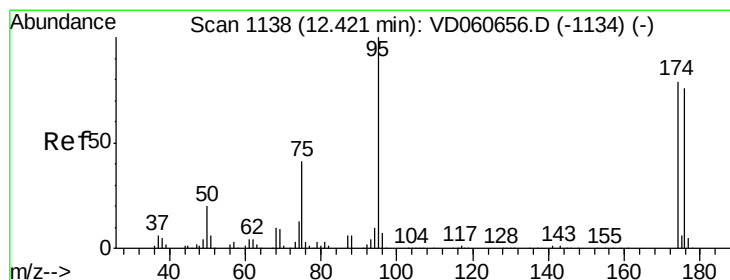
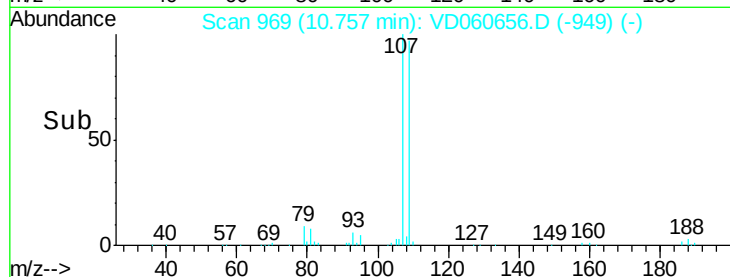
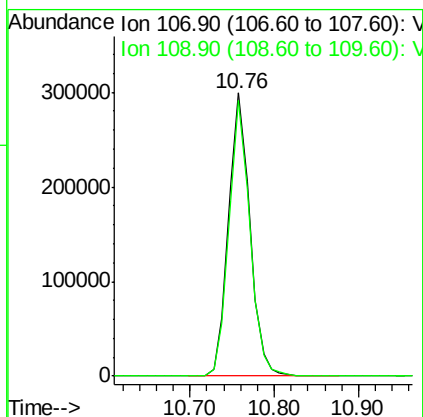
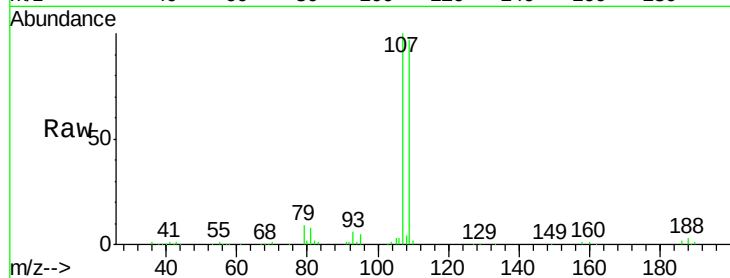
#61
1,2-Dibromoethane
Concen: 50.000 ug/l
RT: 10.76 min Scan# 969
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 107 Resp: 530560
Ion Ratio Lower Upper
107 100
109 97.5 78.0 117.0

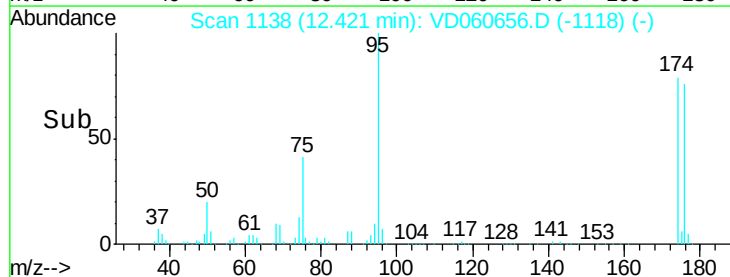
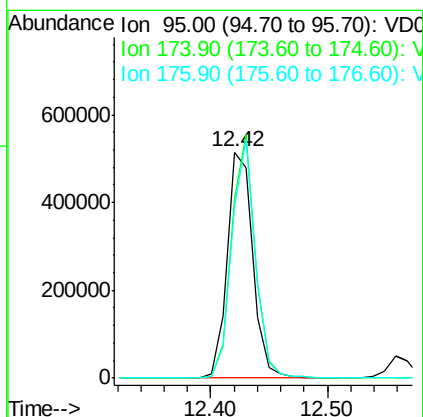
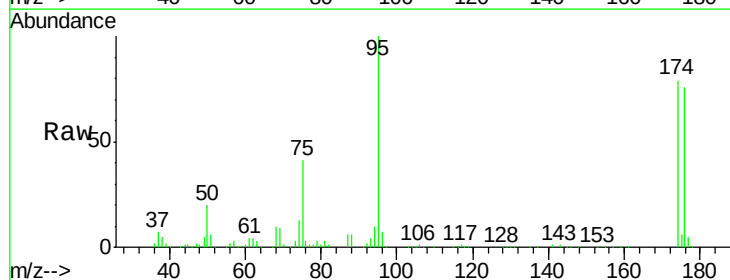
Manual Integrations
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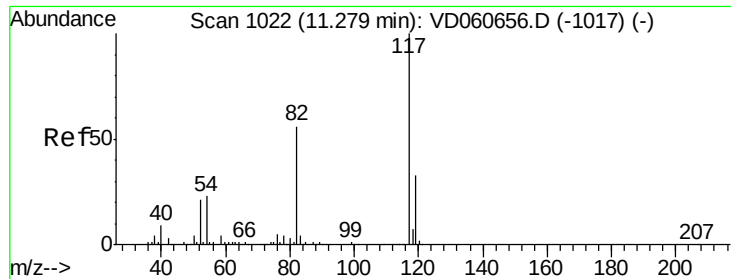
apatel
12/21/2018 11:32:38 AM



#62
4-Bromofluorobenzene
Concen: 50.000 ug/l
RT: 12.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion: 95 Resp: 781796
Ion Ratio Lower Upper
95 100
174 79.1 0.0 158.2
176 76.2 0.0 152.4





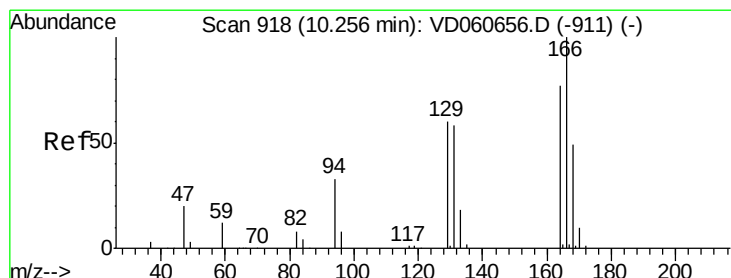
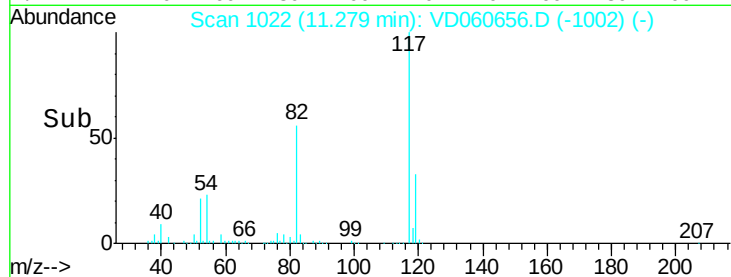
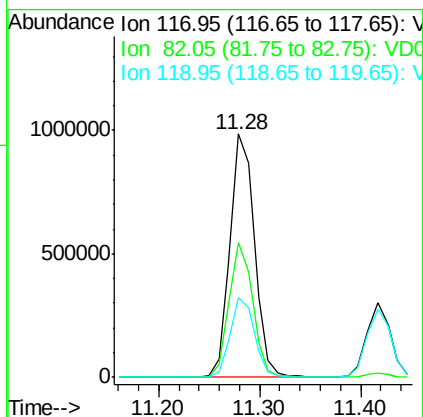
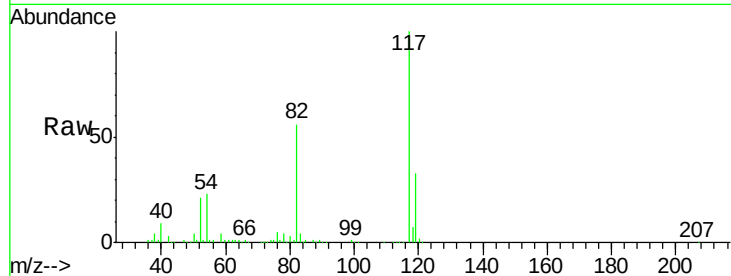
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 1663378
Ion Ratio Lower Upper
117 100
82 55.6 44.5 66.7
119 32.9 26.3 39.5

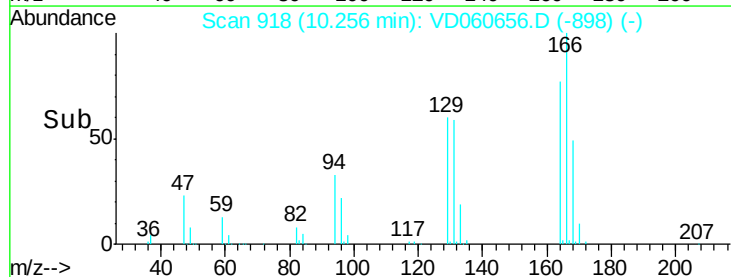
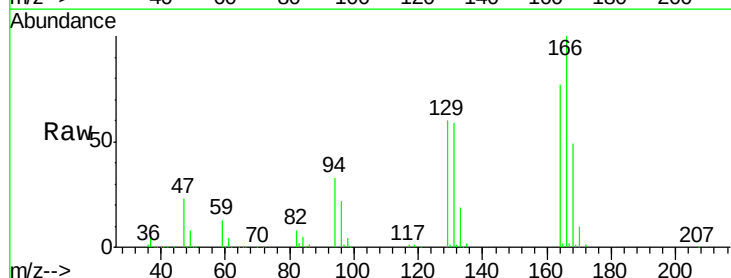
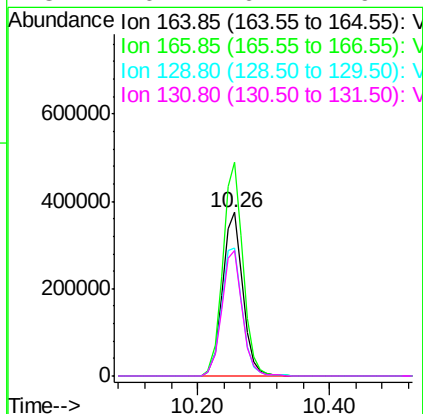
Manual Integrations
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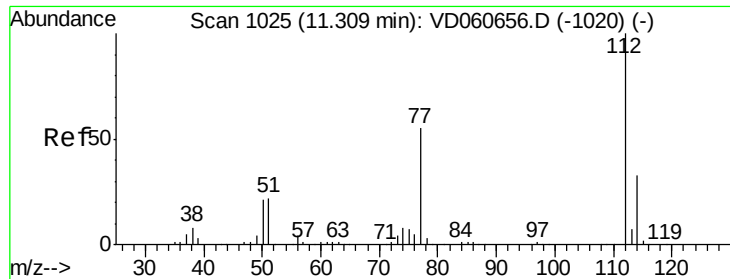
apatel
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#64
Tetrachloroethene
Concen: 50.018 ug/l
RT: 10.26 min Scan# 918
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion:164 Resp: 804521
Ion Ratio Lower Upper
164 100
166 130.5 104.4 156.6
129 78.4 62.7 94.1
131 76.4 61.1 91.7





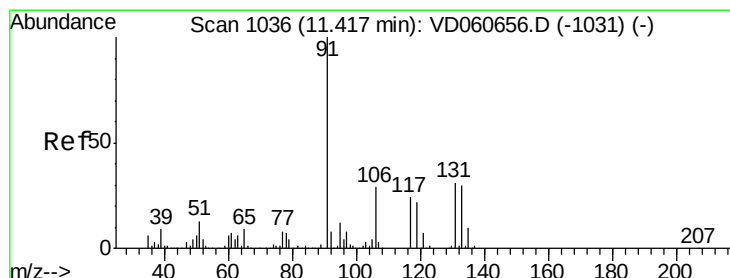
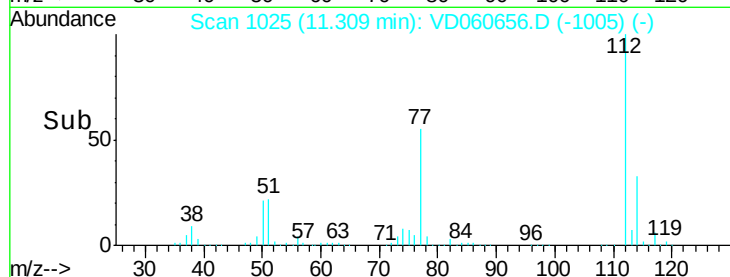
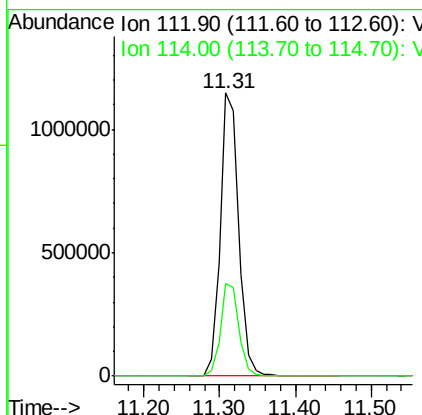
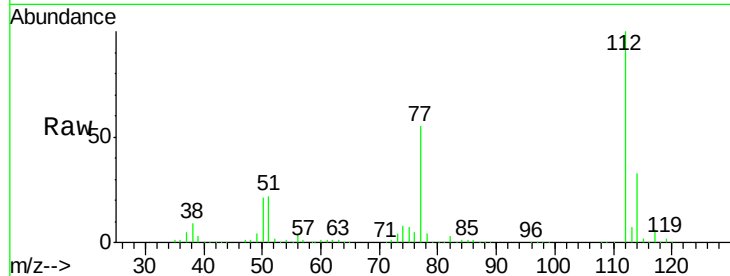
#65
Chlorobenzene
Concen: 50.000 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 1954138
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1

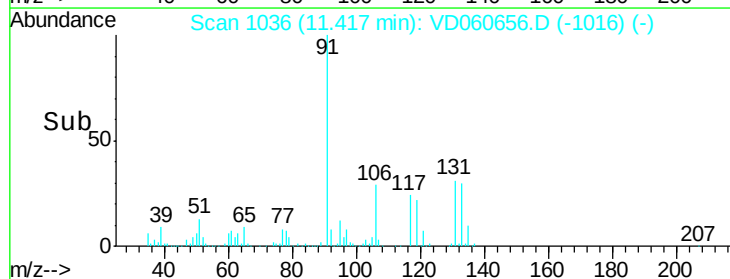
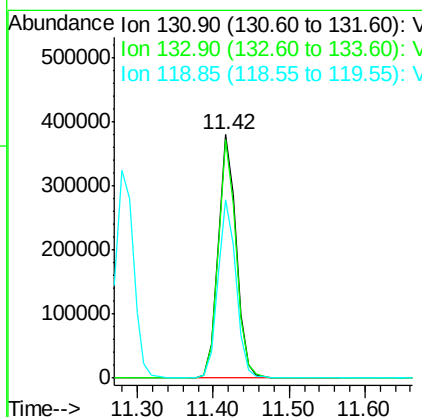
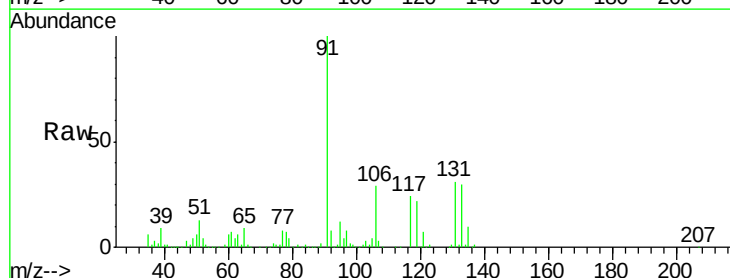
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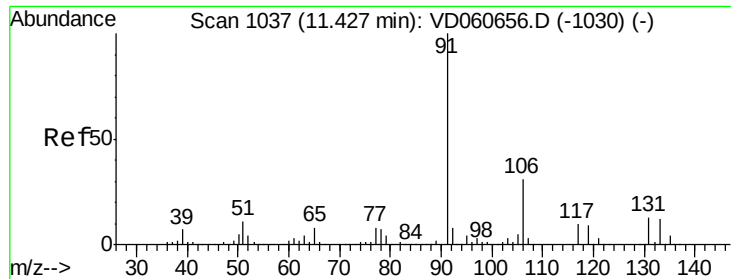
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.000 ug/l
RT: 11.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion:131 Resp: 640414
Ion Ratio Lower Upper
131 100
133 98.2 49.1 147.3
119 73.2 36.6 109.8





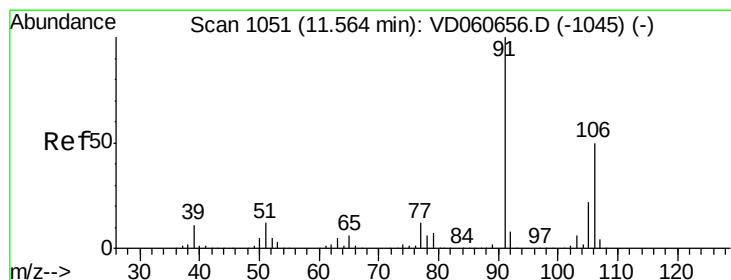
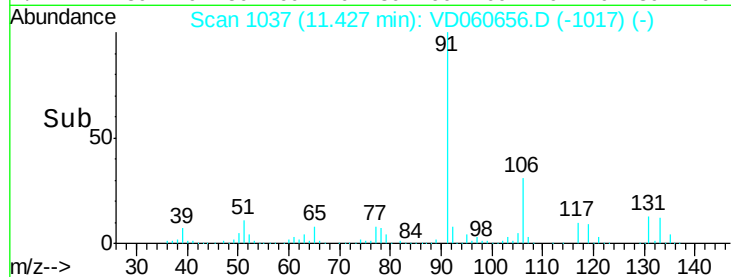
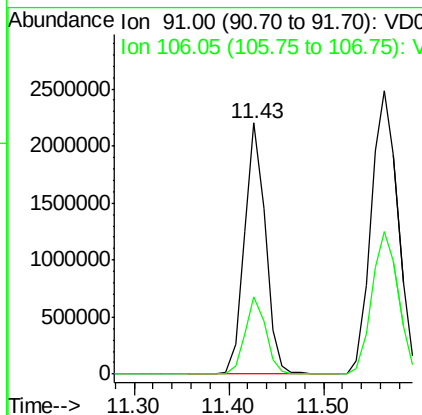
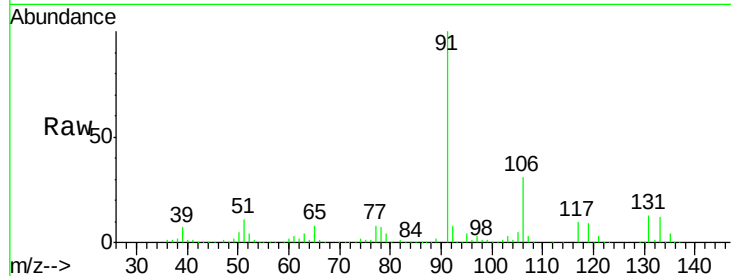
#67
Ethyl Benzene
Concen: 50.000 ug/l
RT: 11.43 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 3357363
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8

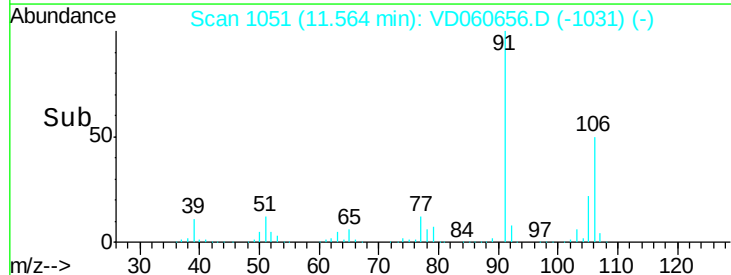
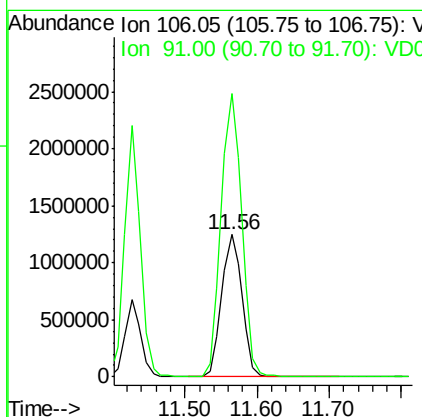
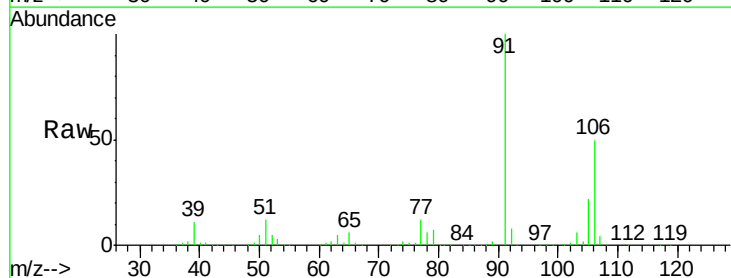
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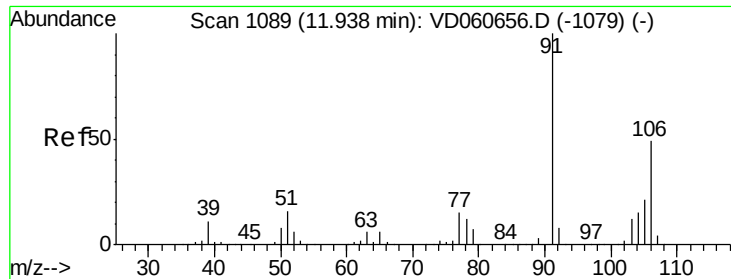
apatel
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#68
m/p-Xylenes
Concen: 100.000 ug/l
RT: 11.56 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion: 106 Resp: 2438602
Ion Ratio Lower Upper
106 100
91 198.6 158.9 238.3





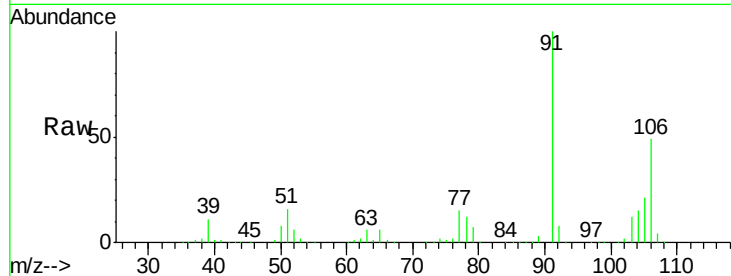
#69
o-Xylene
Concen: 50.012 ug/l
RT: 11.94 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

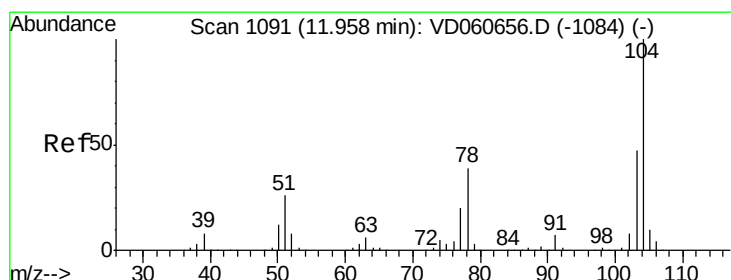
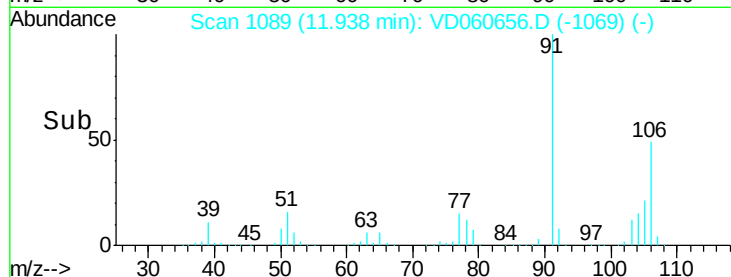
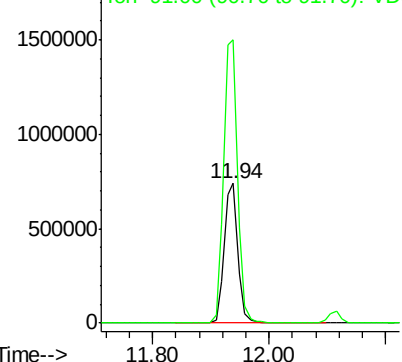
Tgt Ion:106 Resp: 1182314
Ion Ratio Lower Upper
106 100
91 203.0 101.5 304.5

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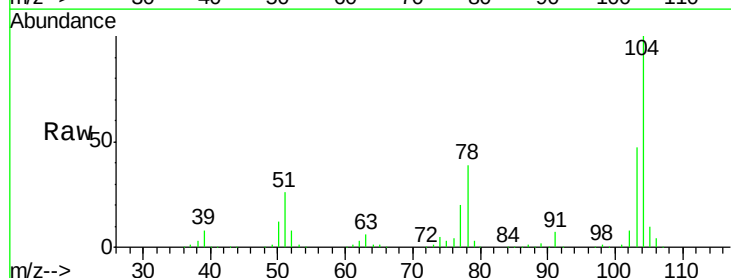


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

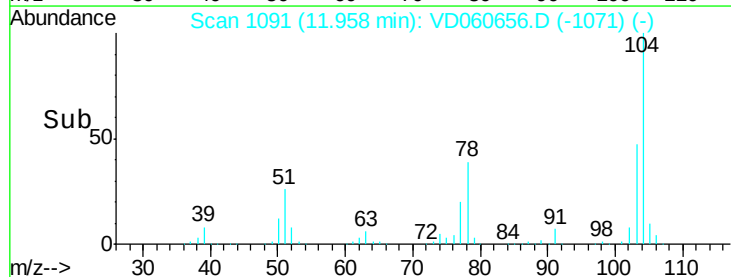
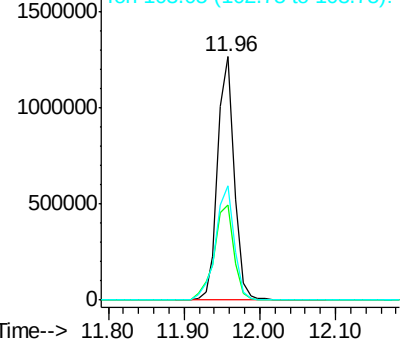


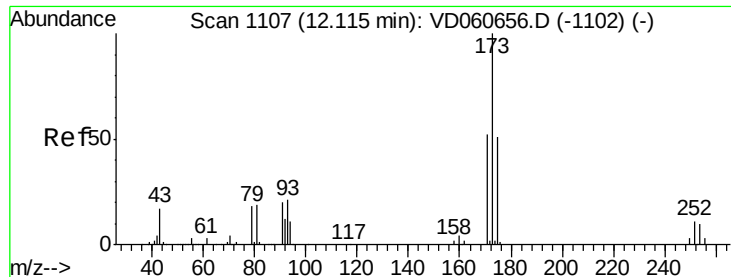
#70
Styrene
Concen: 50.000 ug/l
RT: 11.96 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion:104 Resp: 1907334
Ion Ratio Lower Upper
104 100
78 39.3 31.4 47.2
103 46.9 37.5 56.3



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





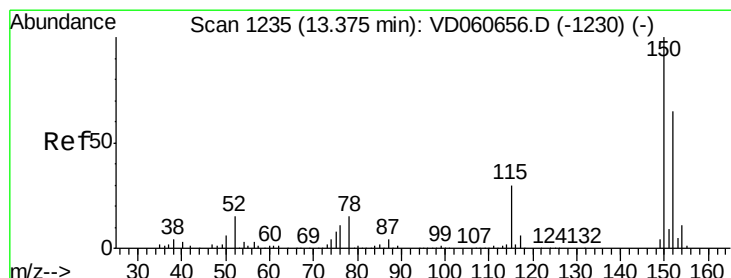
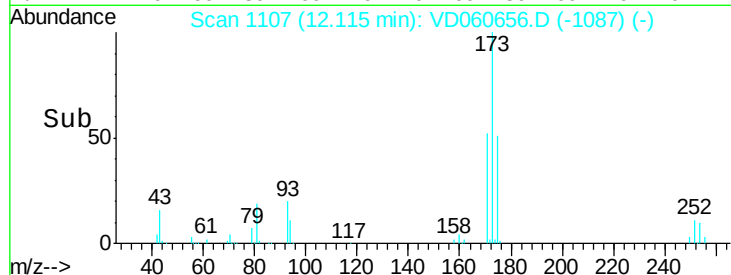
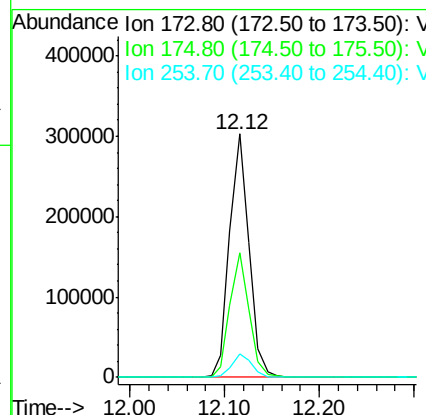
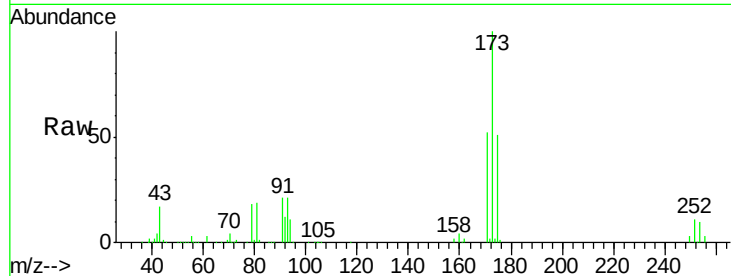
#71
Bromoform
Concen: 50.000 ug/l
RT: 12.12 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.0	25.5	76.5
254	9.9	7.9	11.9

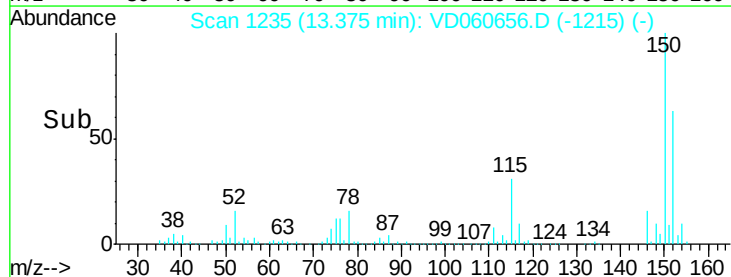
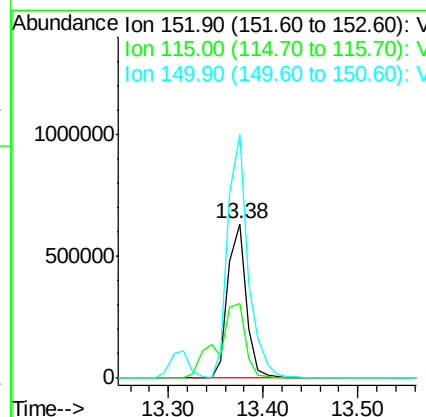
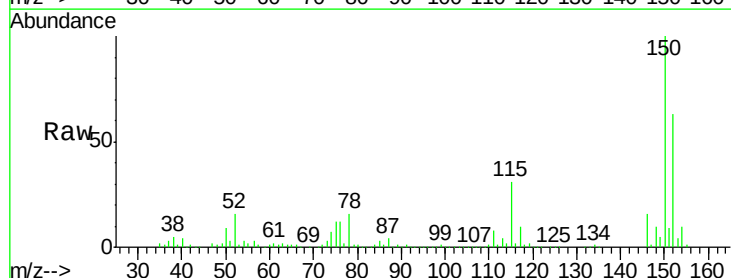
Manual Integrations
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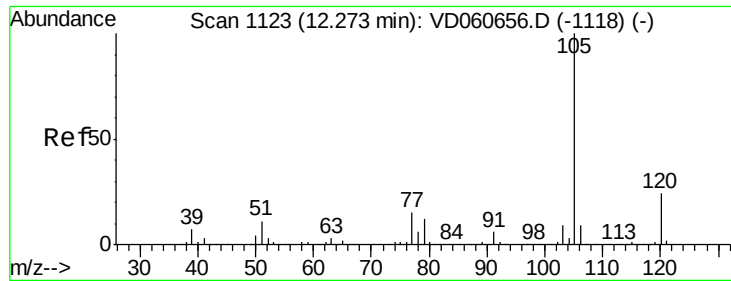
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.2	24.1	72.3
150	157.5	0.0	315.0





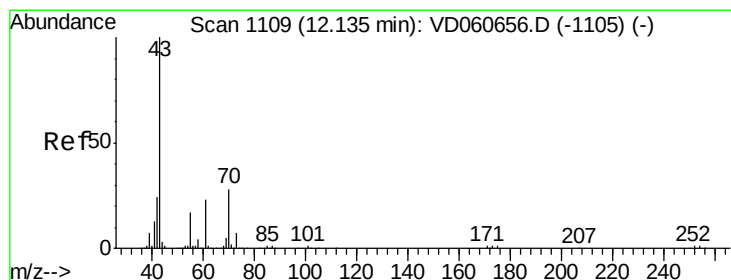
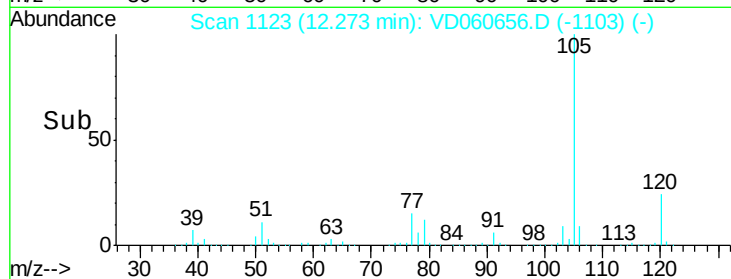
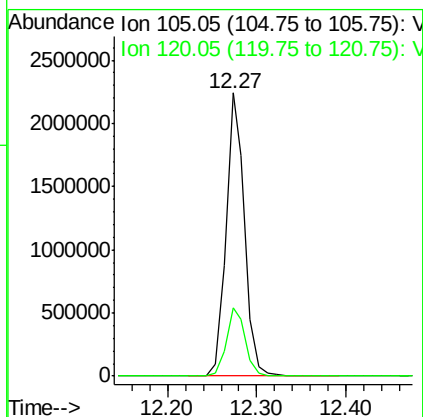
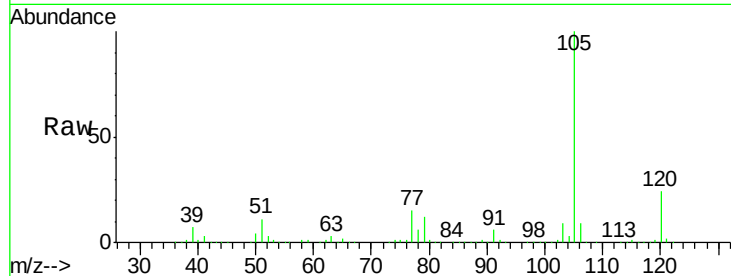
#73
Isopropylbenzene
Concen: 50.000 ug/l
RT: 12.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 105 Resp: 3266803
Ion Ratio Lower Upper
105 100
120 24.3 12.2 36.4

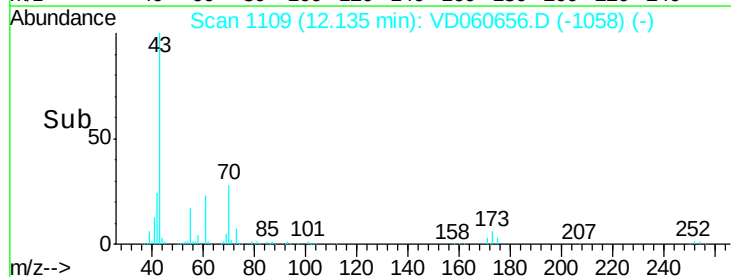
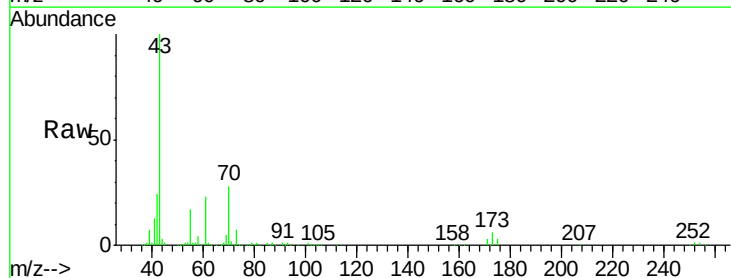
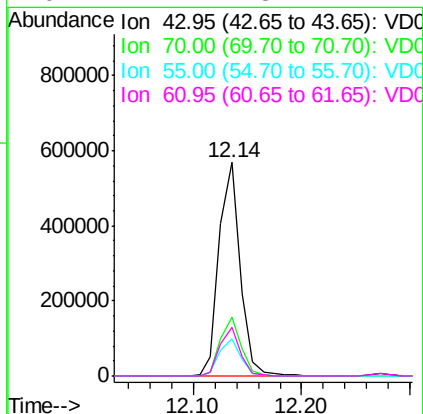
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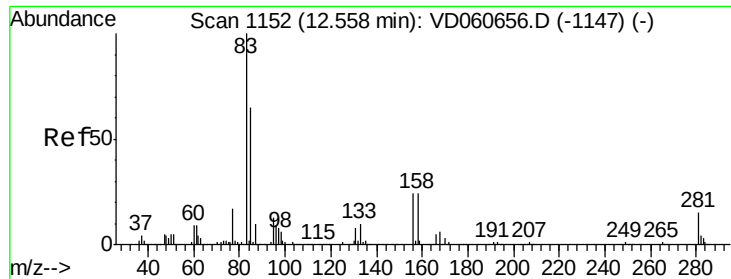
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#74
N-ethyl acetate
Concen: 50.000 ug/l
RT: 12.14 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion: 43 Resp: 773843
Ion Ratio Lower Upper
43 100
70 27.7 22.2 33.2
55 17.3 13.8 20.8
61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

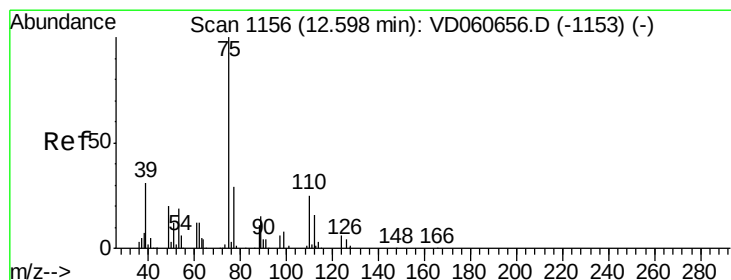
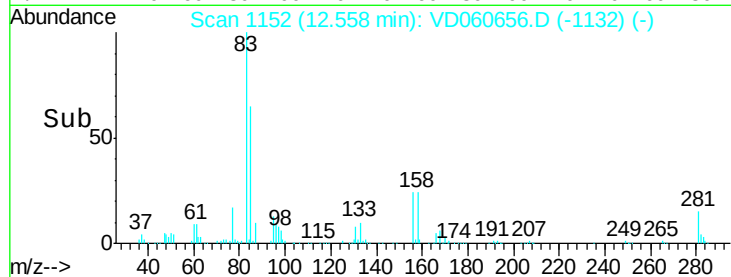
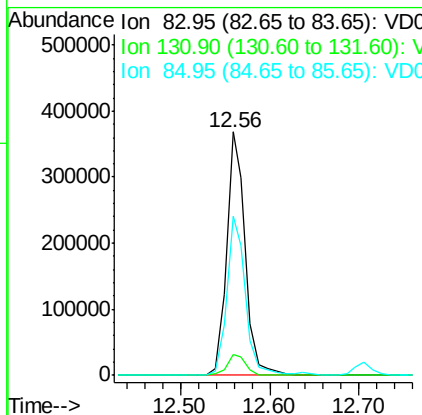
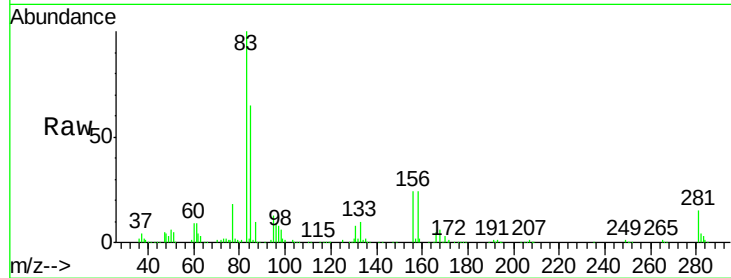
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	541477
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.2	12.4
85	65.1	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.000 ug/l

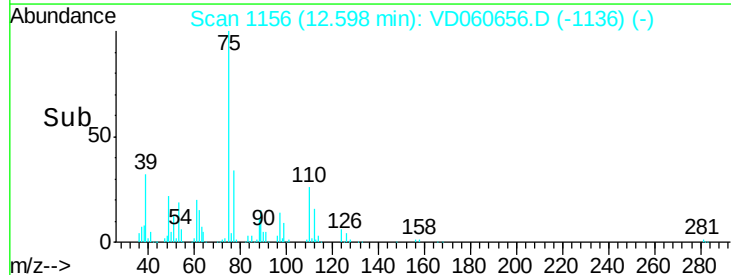
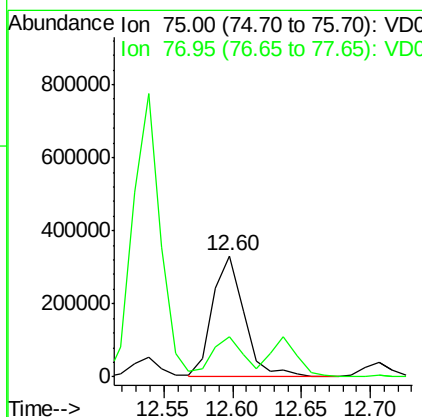
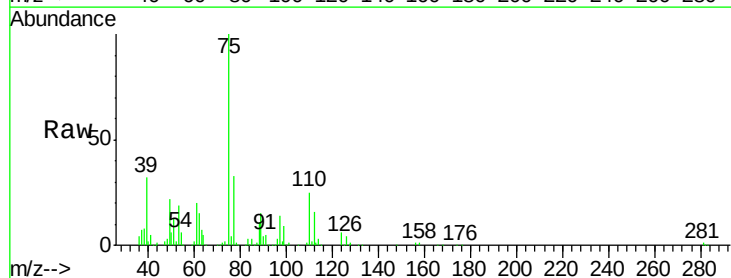
RT: 12.60 min Scan# 1156

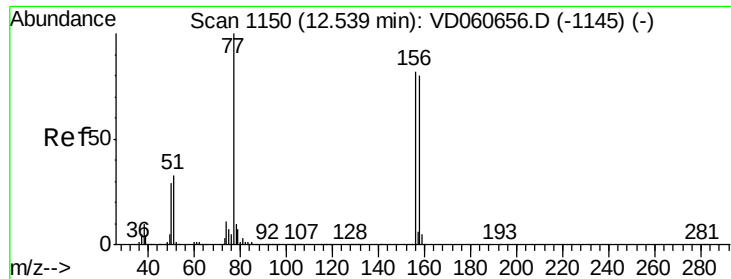
Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Tgt Ion:	75	Resp:	525633
Ion Ratio	Lower	Upper	
75	100		
77	33.3	16.7	50.0





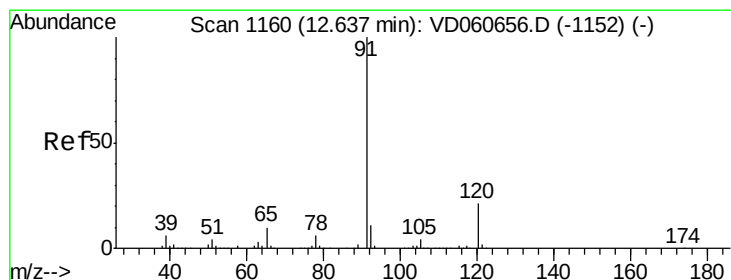
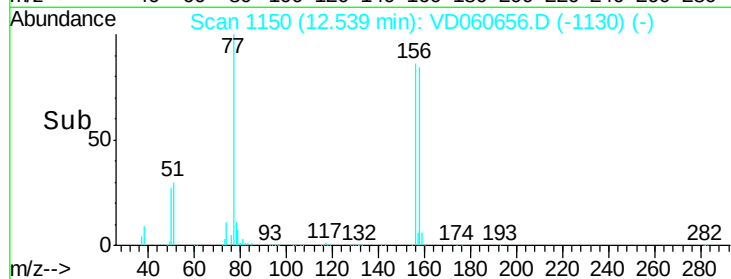
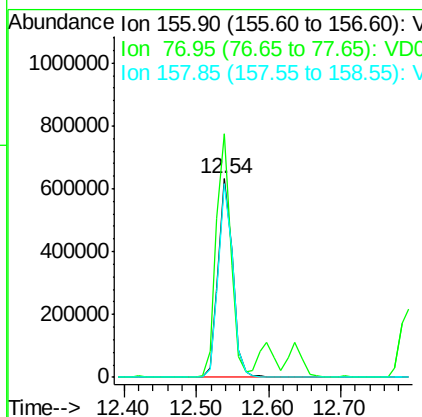
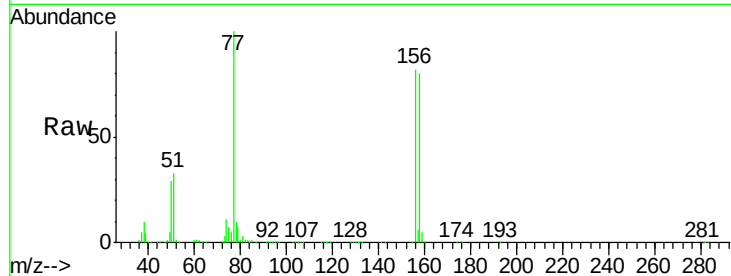
#77
Bromobenzene
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1150
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 156 Resp: 870498
Ion Ratio Lower Upper
156 100
77 122.6 61.3 183.9
158 97.7 48.9 146.6

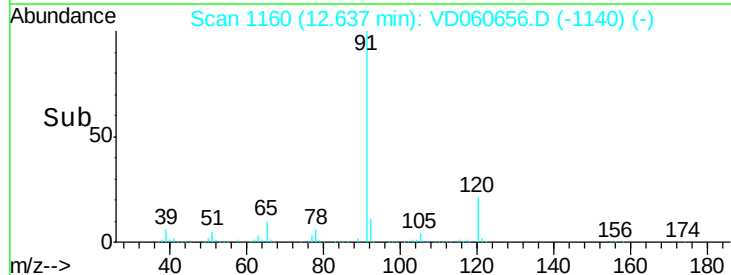
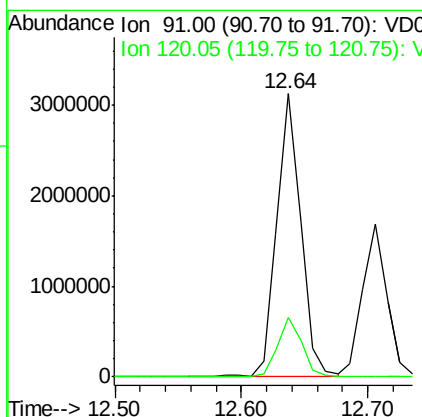
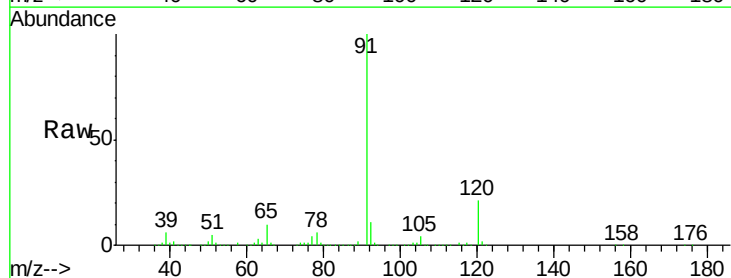
Manual Integrations
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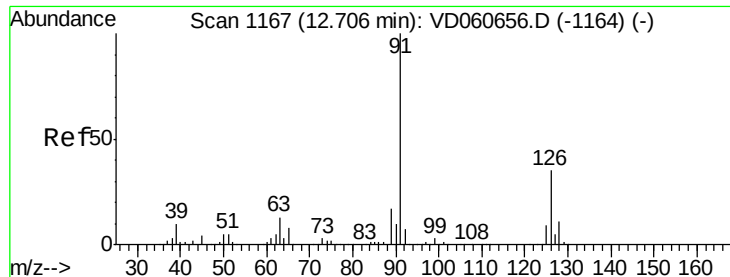
apatel
12/21/2018 11:32:38 AM



#78
n-propylbenzene
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion: 91 Resp: 4162169
Ion Ratio Lower Upper
91 100
120 20.8 10.4 31.2





#79

2-Chlorotoluene

Concen: 50.000 ug/l

RT: 12.71 min Scan# 1167

Delta R.T. 0.00 min

Lab File: VD060656.D

Acq: 20 Dec 2018 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 2256731

Ion Ratio Lower Upper

91 100

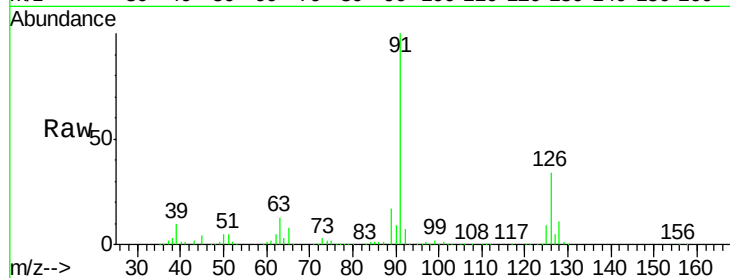
126 34.3 17.2 51.5

Manual Integrations

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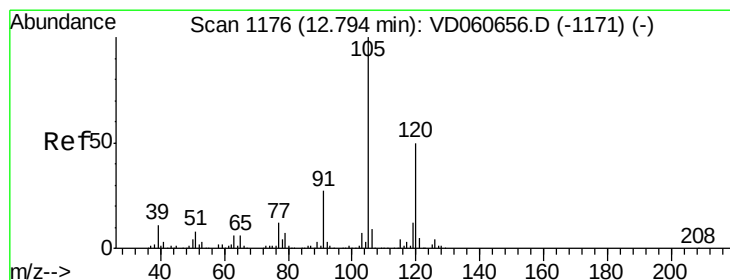
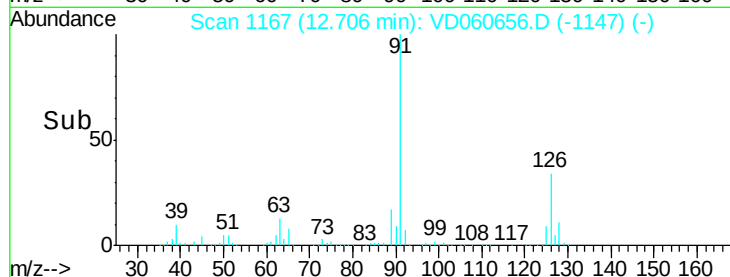
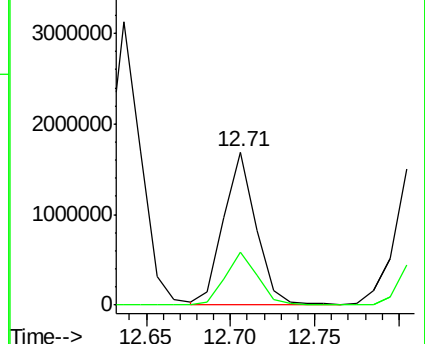
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VD060656.D (-1164) (-)

Ion 125.95 (125.65 to 126.65): VD060656.D (-1164) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.000 ug/l

RT: 12.79 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VD060656.D

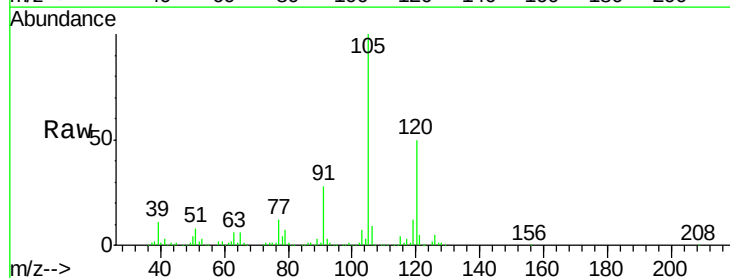
Acq: 20 Dec 2018 13:26

Tgt Ion: 105 Resp: 2513663

Ion Ratio Lower Upper

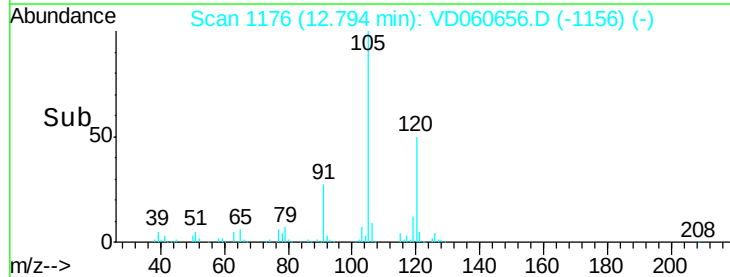
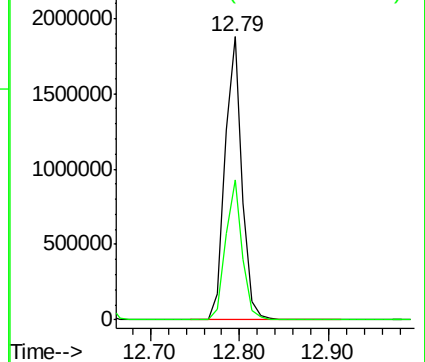
105 100

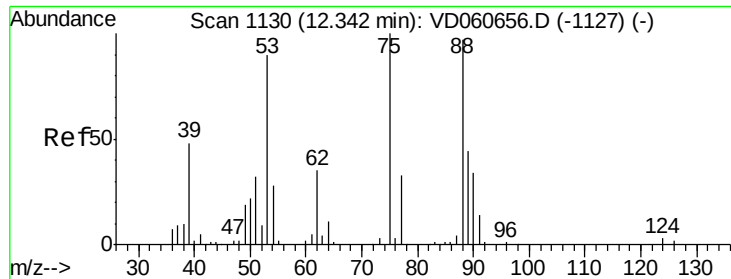
120 49.6 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060656.D (-1171) (-)

Ion 120.05 (119.75 to 120.75): VD060656.D (-1171) (-)





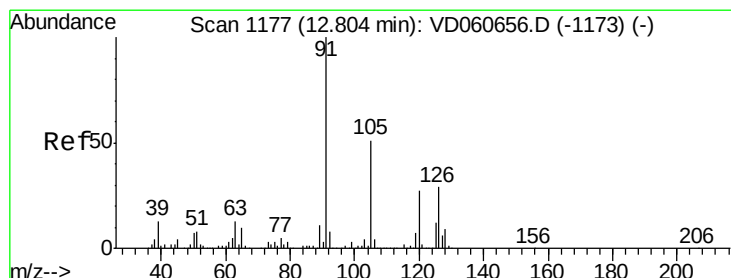
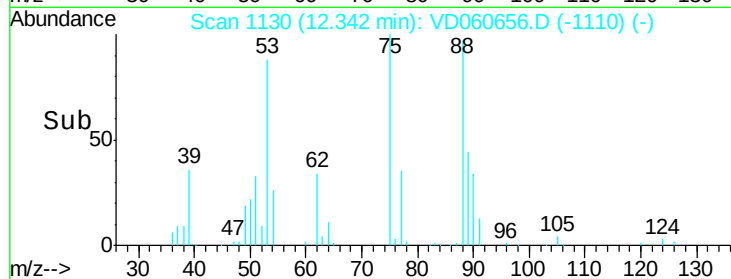
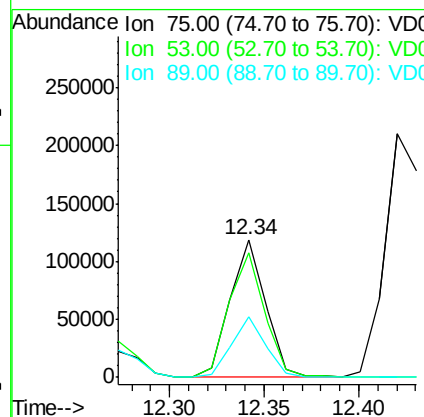
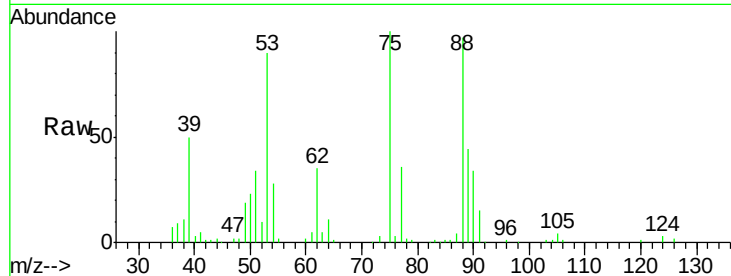
#81
trans-1,4-Dichloro-2-butene
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.1	72.1	108.1
89	43.9	35.1	52.7

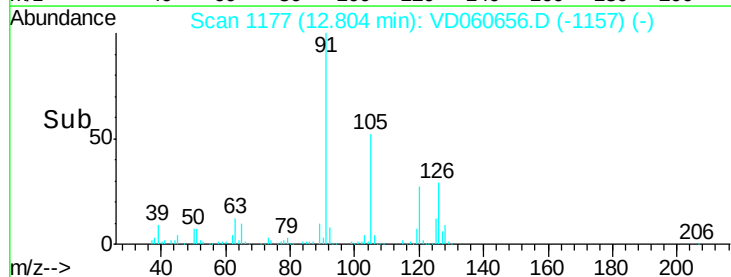
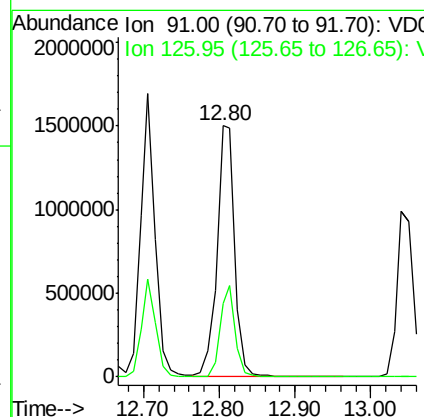
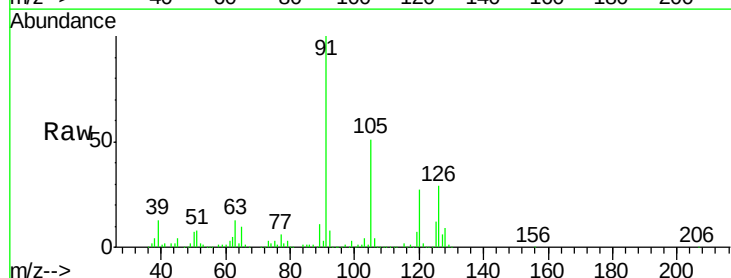
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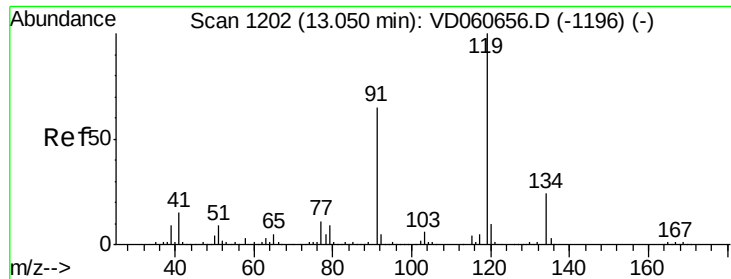
apatel
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#82
4-Chlorotoluene
Concen: 50.000 ug/l
RT: 12.80 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.6	43.8





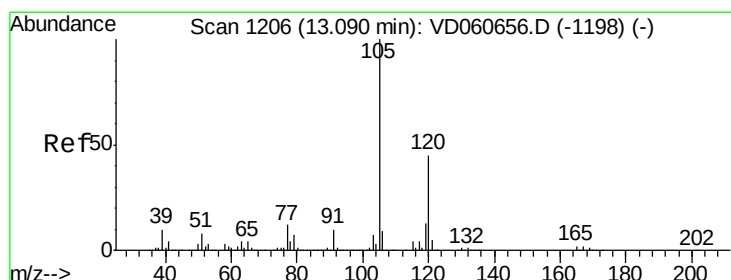
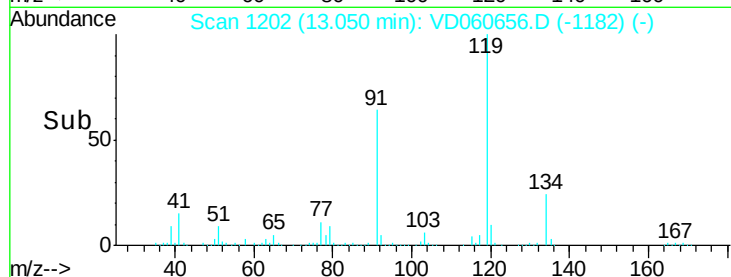
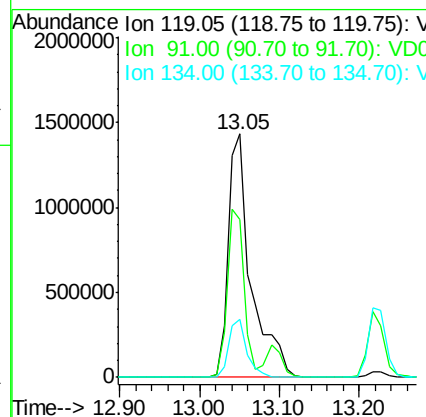
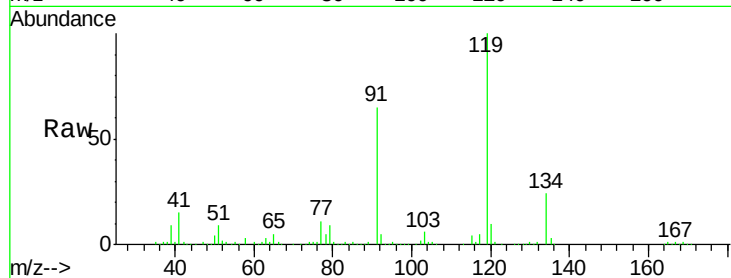
#83
 tert-Butylbenzene
 Concen: 50.000 ug/l
 RT: 13.05 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:119 Resp: 2864912
 Ion Ratio Lower Upper
 119 100
 91 64.9 32.5 97.4
 134 23.9 11.9 35.9

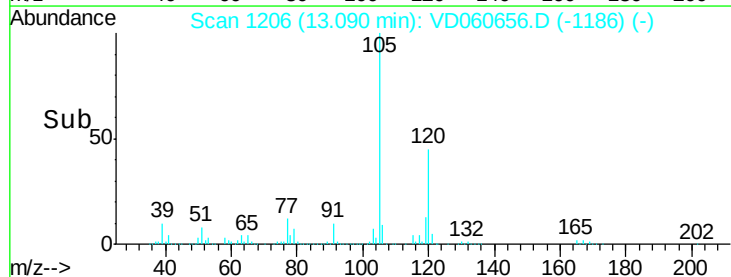
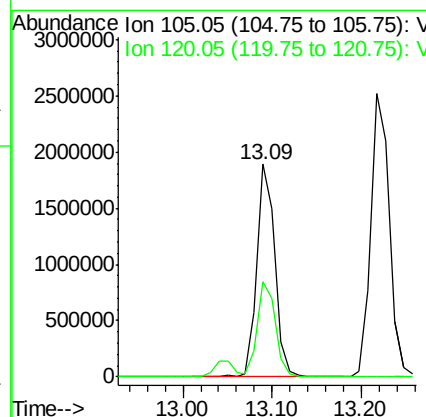
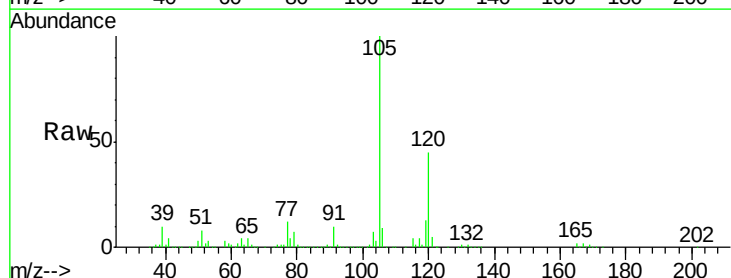
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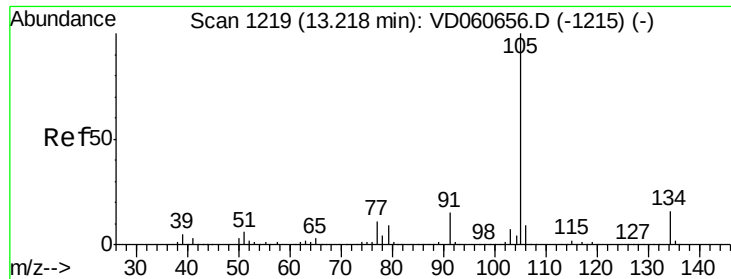
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.000 ug/l
 RT: 13.09 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Tgt Ion:105 Resp: 2611369
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.0





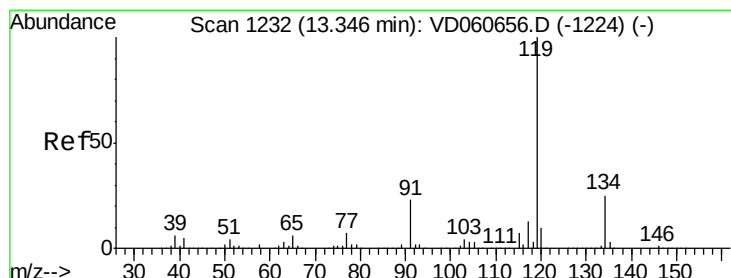
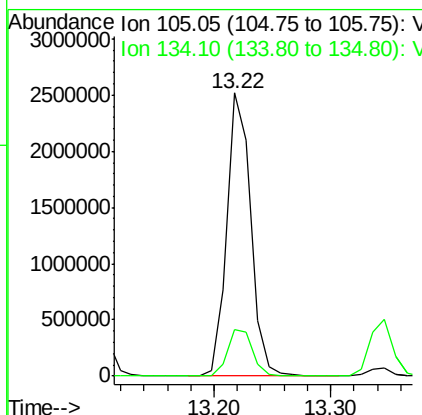
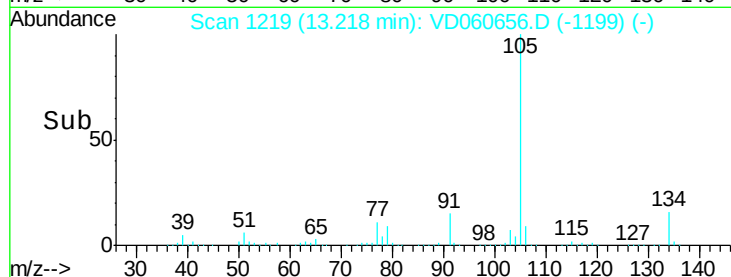
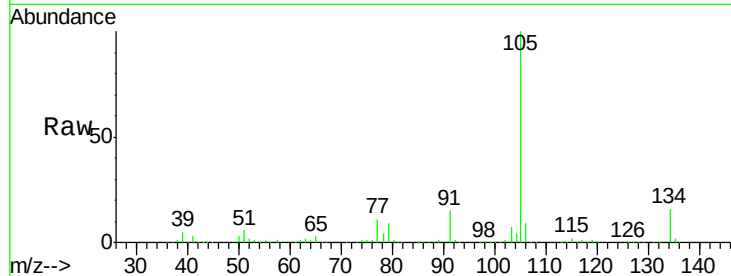
#85
 sec-Butylbenzene
 Concen: 50.000 ug/l
 RT: 13.22 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 3566437
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.2 24.4

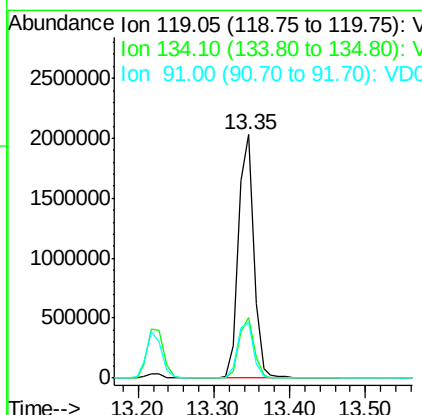
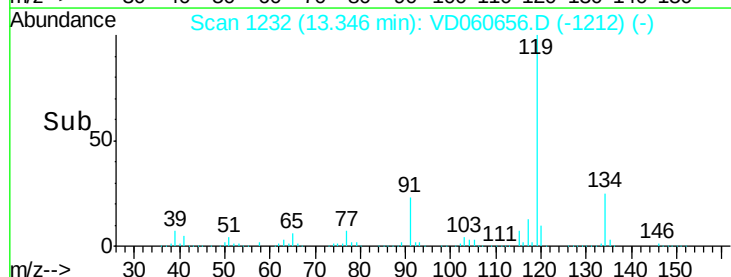
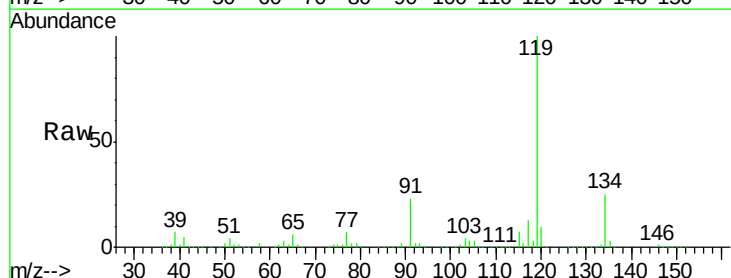
Manual Integrations
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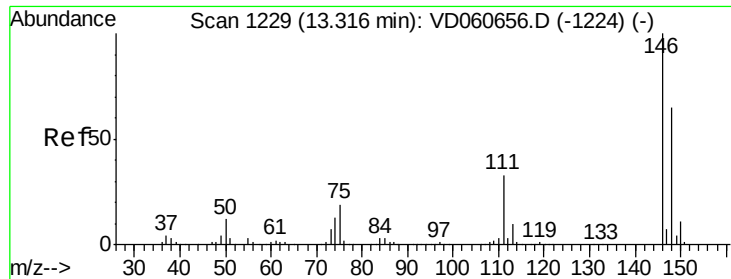
apatel
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#86
 p-Isopropyltoluene
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Tgt Ion:119 Resp: 2788269
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.5 37.5
 91 22.8 11.4 34.2





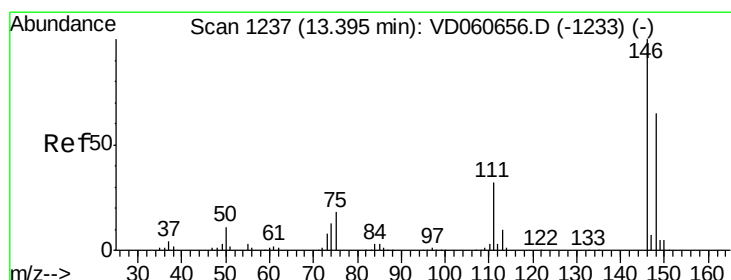
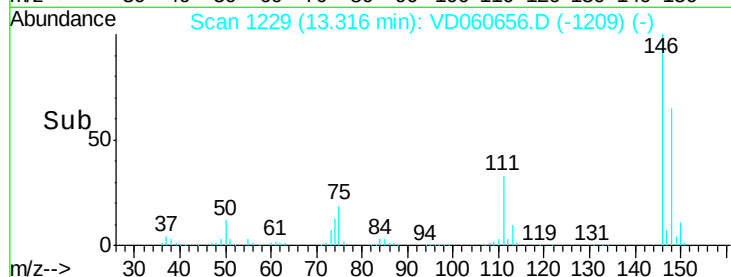
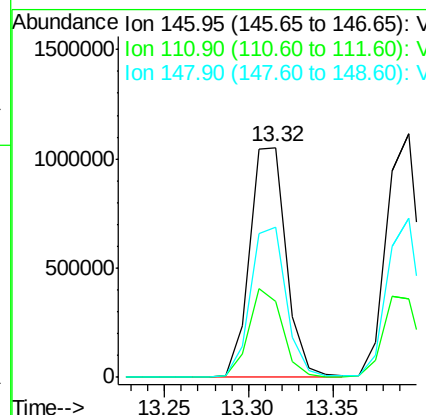
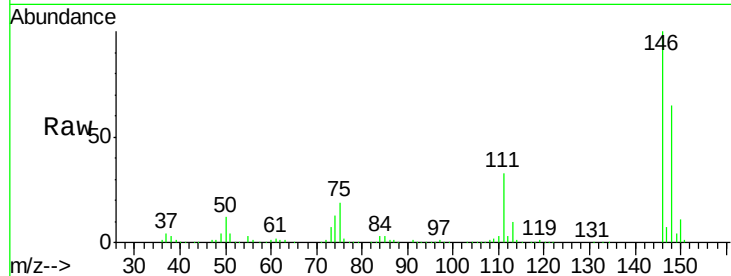
#87
 1,3-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.2	16.6	49.8
148	65.2	32.6	97.8

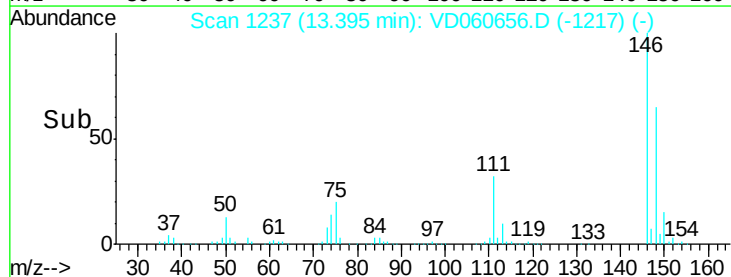
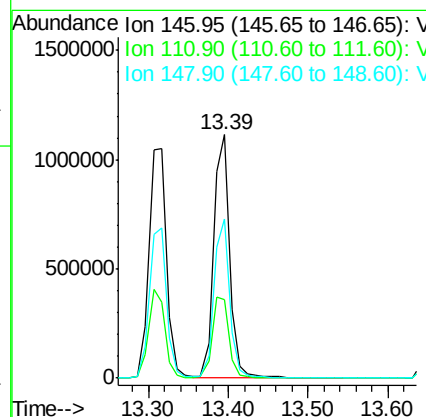
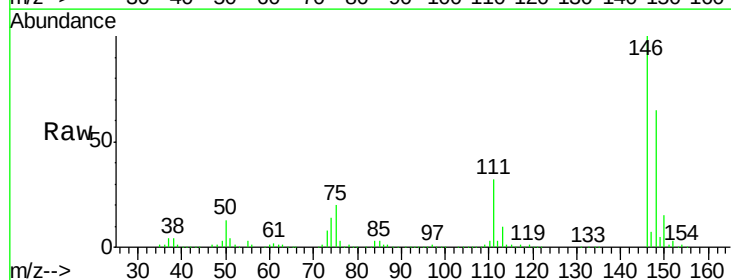
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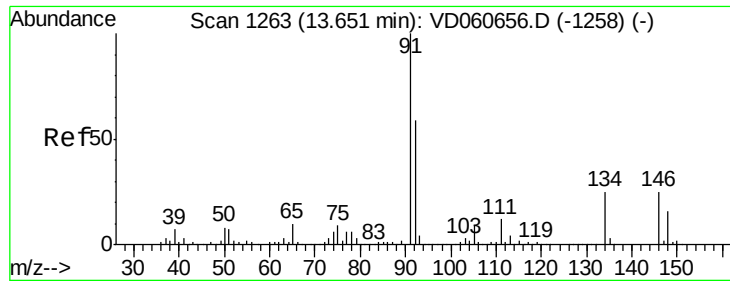
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#88
 1,4-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 13.39 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.3	16.2	48.5
148	65.4	32.7	98.1





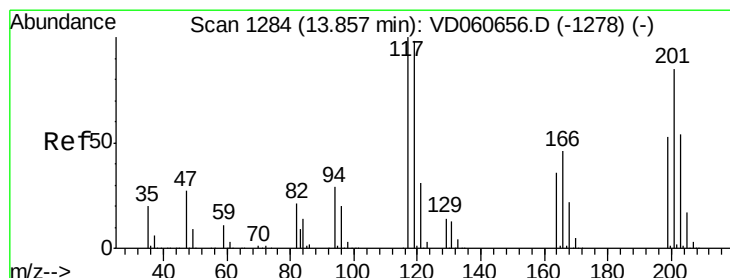
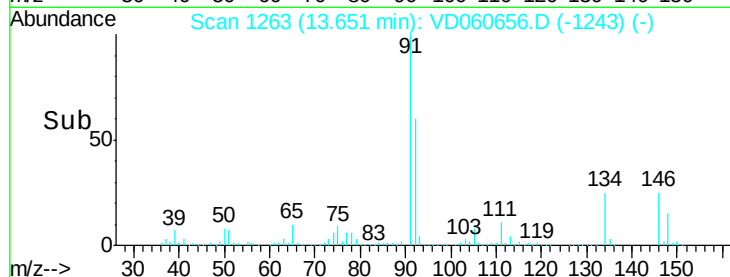
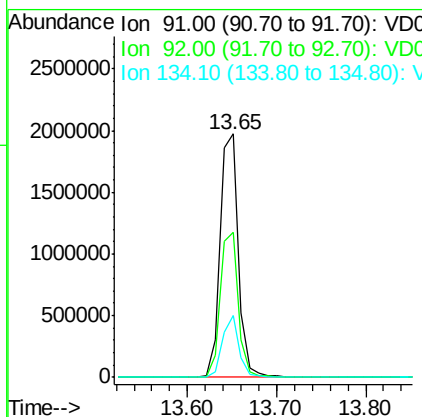
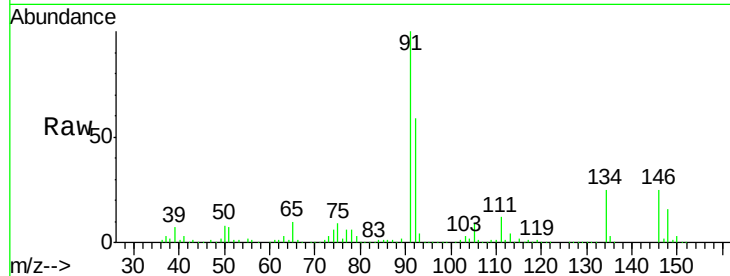
#89
n-Butylbenzene
Concen: 50.000 ug/l
RT: 13.65 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 2848554
Ion Ratio Lower Upper
91 100
92 59.4 29.7 89.1
134 25.4 12.7 38.1

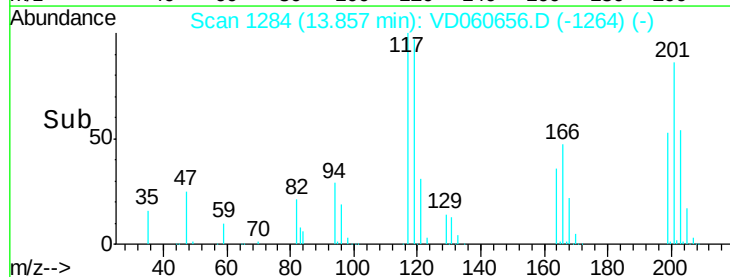
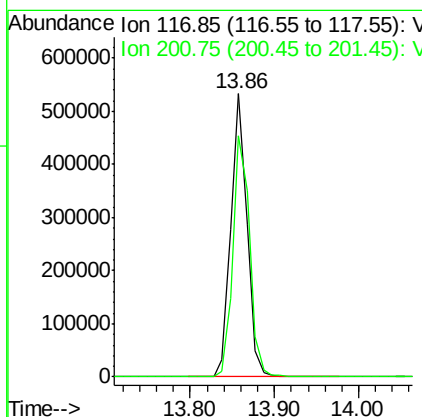
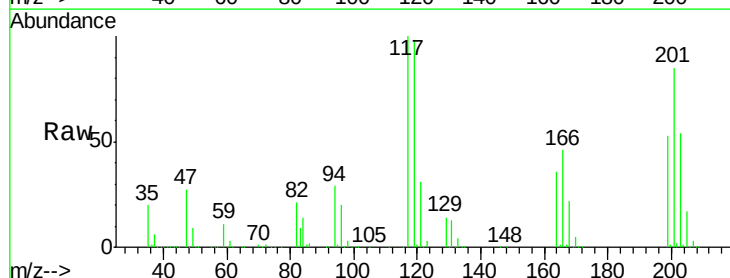
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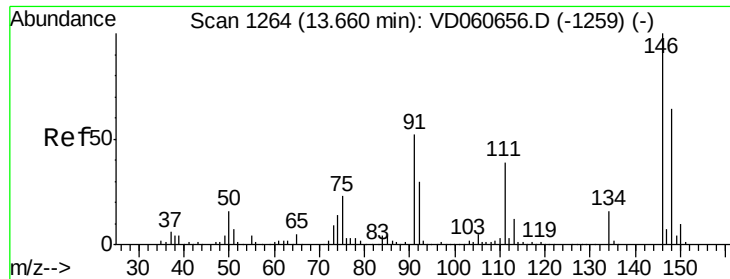
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#90
Hexachloroethane
Concen: 50.000 ug/l
RT: 13.86 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion: 117 Resp: 708568
Ion Ratio Lower Upper
117 100
201 85.2 42.6 127.8





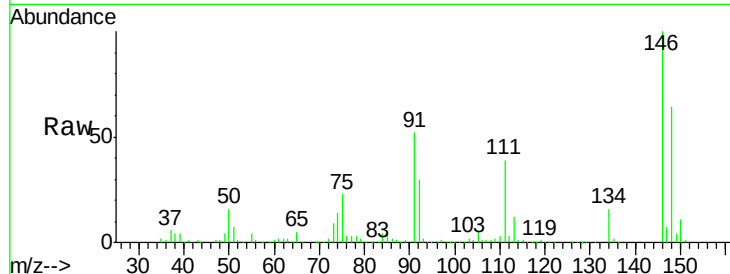
#91
 1,2-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 13.66 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

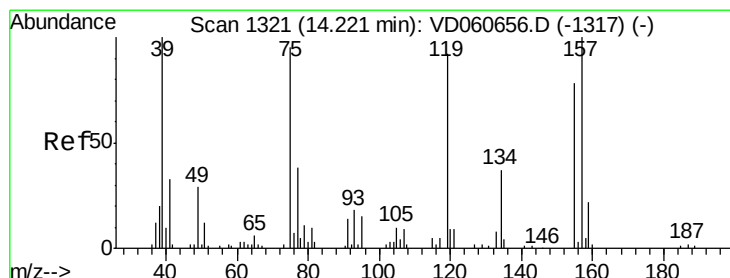
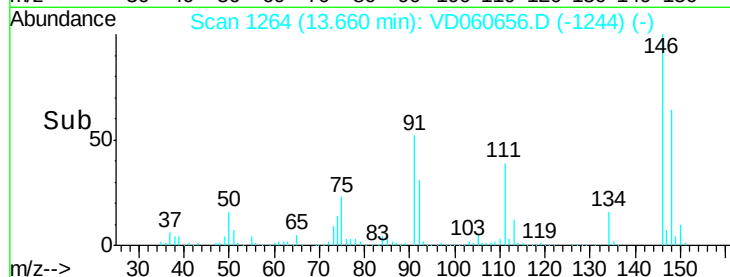
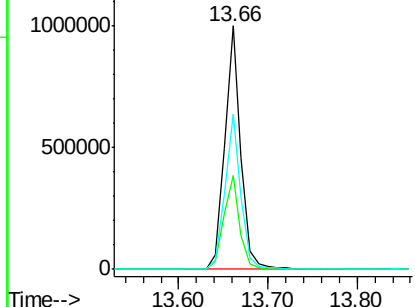
Tgt Ion: 146 Resp: 1256628
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 63.9 31.9 95.9

Manual Integrations
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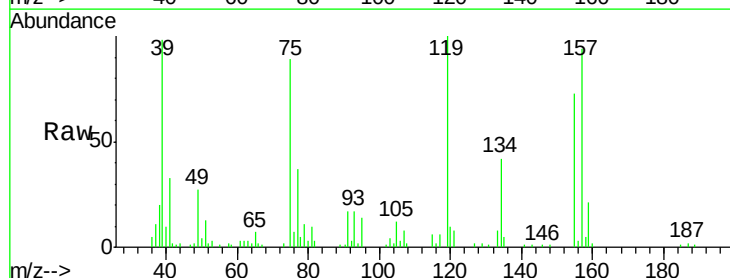


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

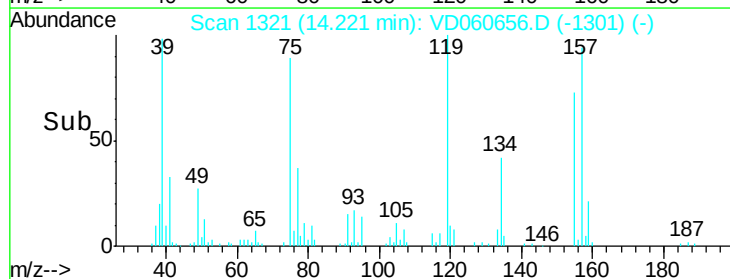
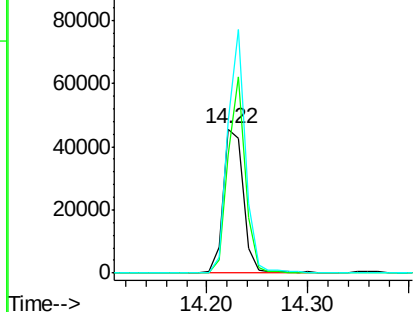


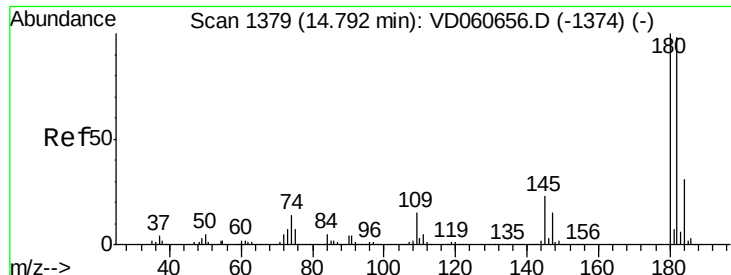
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.000 ug/l
 RT: 14.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Tgt Ion: 75 Resp: 63973
 Ion Ratio Lower Upper
 75 100
 155 82.3 41.1 123.4
 157 105.1 52.5 157.6



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





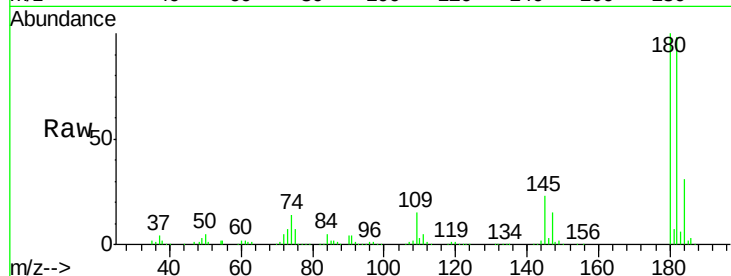
#93
 1,2,4-Trichlorobenzene
 Concen: 50.000 ug/l
 RT: 14.79 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

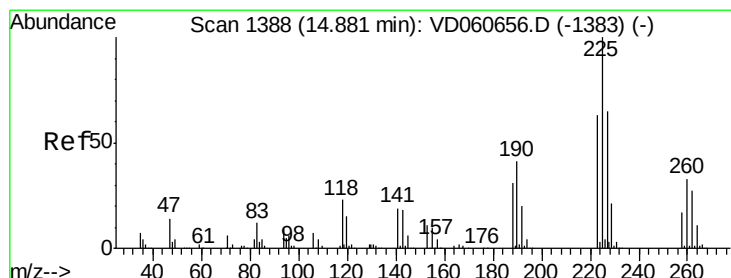
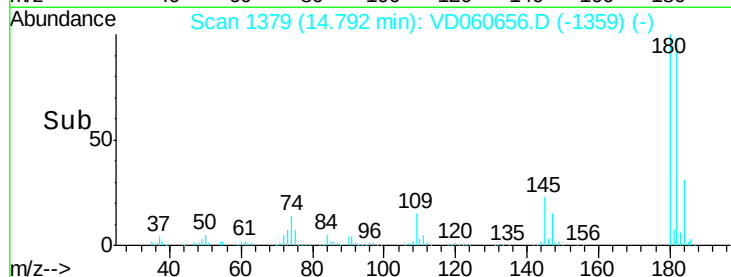
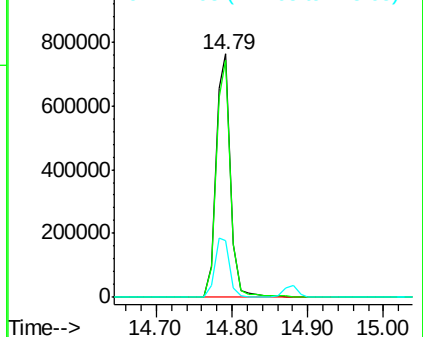
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	48.8	146.4
145	23.5	11.8	35.3

Manual Integrations
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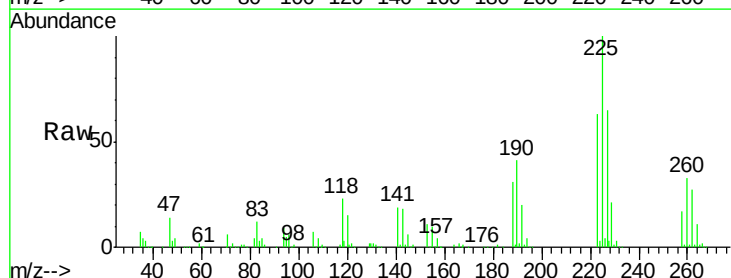


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

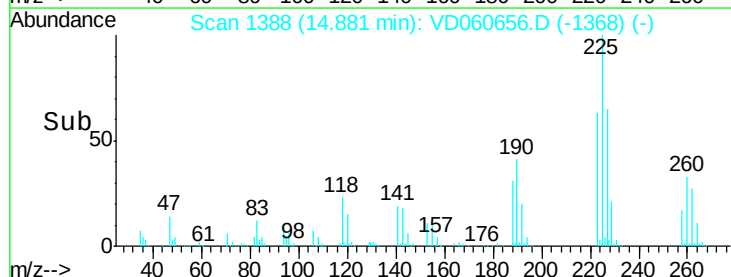
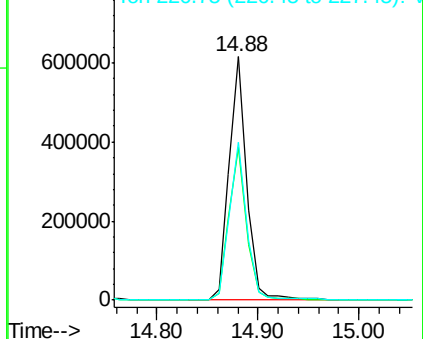


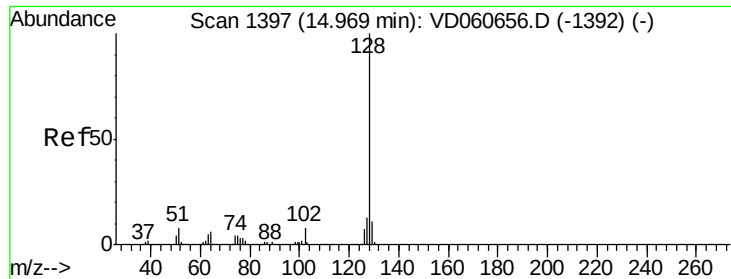
#94
 Hexachlorobutadiene
 Concen: 50.000 ug/l
 RT: 14.88 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD060656.D
 Acq: 20 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.3	93.8
227	64.9	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





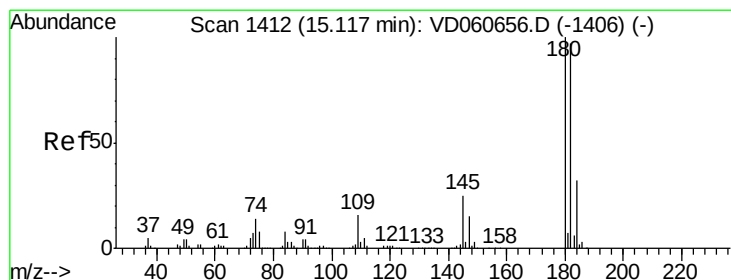
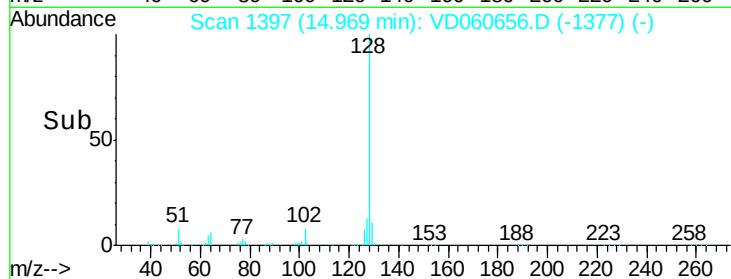
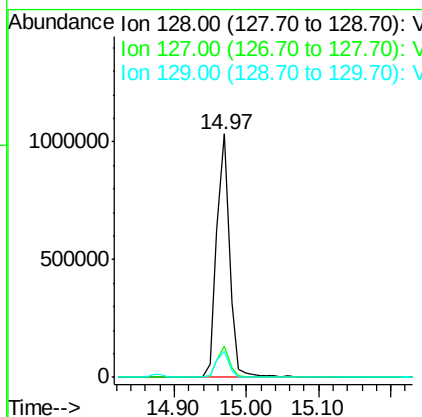
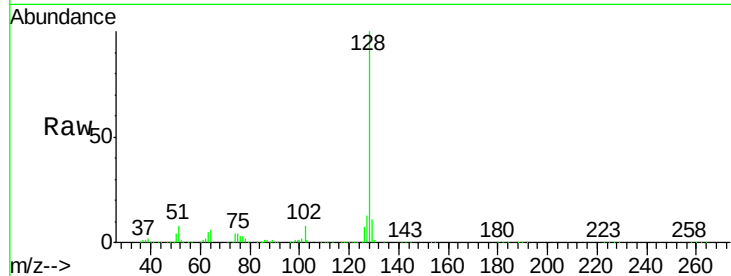
#95
Naphthalene
Concen: 50.000 ug/l
RT: 14.97 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 1267134
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.8 8.6 13.0

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#96
1,2,3-Trichlorobenzene
Concen: 50.000 ug/l
RT: 15.12 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD060656.D
Acq: 20 Dec 2018 13:26

Tgt Ion:180 Resp: 819133
Ion Ratio Lower Upper
180 100
182 97.3 48.6 145.9
145 25.2 12.6 37.8

