

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022119\
 Data File : VD060888.D
 Acq On : 21 Feb 2019 18:24
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 22 07:45:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 07:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.78	168	2021185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.96	114	2814699	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	2389005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.31	152	1220768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.20	65	770770	37.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.02%	
35) Dibromofluoromethane	6.66	113	1119394	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	10.18	98	2877893	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	13.35	95	1122559	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	1108553	38.620	ug/l	100
3) Chloromethane	1.74	50	625173	34.386	ug/l	100
4) Vinyl Chloride	1.83	62	591000	38.847	ug/l	100
5) Bromomethane	2.13	94	183039	22.616	ug/l	100
6) Chloroethane	2.22	64	187977	25.804	ug/l	100
7) Trichlorofluoromethane	2.47	101	937755	29.190	ug/l	100
8) Diethyl Ether	2.78	74	404264	77.656	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.05	101	1139092	64.564	ug/l	100
10) Methyl Iodide	3.20	142	1788716	85.384	ug/l	100
11) Tert butyl alcohol	3.88	59	232151	208.028	ug/l	100
12) 1,1-Dichloroethene	3.03	96	983210	77.490	ug/l	100
13) Acrolein	2.94	56	364724	339.231	ug/l	100
14) Allyl chloride	3.48	41	1612297	56.537	ug/l	100
15) Acrylonitrile	4.02	53	900894	220.614	ug/l	100
16) Acetone	3.11	43	1049008	239.475	ug/l	100
17) Carbon Disulfide	3.28	76	3623678	77.533	ug/l	100
18) Methyl Acetate	3.50	43	411374	56.067	ug/l	100
19) Methyl tert-butyl Ether	4.05	73	1921117	44.899	ug/l	100
20) Methylene Chloride	3.67	84	1123132	41.050	ug/l	100
21) trans-1,2-Dichloroethene	4.04	96	1092097	51.504	ug/l	100
22) Diisopropyl ether	4.86	45	3136690	40.995	ug/l	100
23) Vinyl Acetate	4.80	43	8601808	189.886	ug/l	100
24) 1,1-Dichloroethane	4.74	63	1676260	40.779	ug/l	100
25) 2-Butanone	5.81	43	1306229	200.869	ug/l	100
26) 2,2-Dichloropropane	5.77	77	1534256	39.761	ug/l	100
27) cis-1,2-Dichloroethene	5.78	96	1168111	53.199	ug/l	100
28) Bromochloromethane	6.18	49	751113	42.832	ug/l	100
29) Tetrahydrofuran	6.20	42	721047	223.115	ug/l	100
30) Chloroform	6.41	83	2036426	47.076	ug/l	100
31) Cyclohexane	6.70	56	1476053	42.771	ug/l	100
32) 1,1,1-Trichloroethane	6.62	97	1621214	42.732	ug/l	100
36) 1,1-Dichloropropene	6.90	75	1516857	44.210	ug/l	100
37) Ethyl Acetate	5.92	43	698842	39.701	ug/l	100
38) Carbon Tetrachloride	6.86	117	1288325	36.740	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	1653062	49.584	ug/l	100
40) Benzene	7.20	78	3955704	50.993	ug/l	100
41) Methacrylonitrile	6.18	41	342799m	28.543	ug/l	
42) 1,2-Dichloroethane	7.32	62	957788	32.132	ug/l	100
43) Isopropyl Acetate	8.99	43	888760	39.743	ug/l	100
44) Trichloroethene	8.29	130	1150184	49.777	ug/l	100
45) 1,2-Dichloropropane	8.69	63	868426	41.933	ug/l	100
46) Dibromomethane	8.82	93	635959	47.887	ug/l	100
47) Bromodichloromethane	9.13	83	1525333	45.900	ug/l	100
48) Methyl methacrylate	8.87	41	526425	34.931	ug/l	100
49) 1,4-Dioxane	8.83	88	126326	1130.390	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	2812809	195.243	ug/l	100
52) Toluene	10.28	92	2240845	50.183	ug/l	100
53) t-1,3-Dichloropropene	10.68	75	1390522	46.755	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	1682632	49.323	ug/l	100
55) 1,1,2-Trichloroethane	10.97	97	682574	51.463	ug/l	100
56) Ethyl methacrylate	10.81	69	789745	46.562	ug/l	100
57) 1,3-Dichloropropane	11.18	76	1170928	48.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.62	63	1815629	212.252	ug/l	100
59) 2-Hexanone	11.31	43	1994566	187.965	ug/l	100
60) Dibromochloromethane	11.47	129	1009514	47.237	ug/l	100
61) 1,2-Dibromoethane	11.59	107	809914	51.533	ug/l	100
64) Tetrachloroethene	11.03	164	1085359	48.358	ug/l	100
65) Chlorobenzene	12.19	112	2301075	46.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.29	131	975469	45.503	ug/l	100
67) Ethyl Benzene	12.31	91	4084600	43.664	ug/l	100
68) m/p-Xylenes	12.45	106	2846247	90.528	ug/l	100
69) o-Xylene	12.84	106	1376445	46.029	ug/l	100
70) Styrene	12.87	104	2280101	47.231	ug/l	100
71) Bromoform	13.02	173	728909	46.580	ug/l	100
73) Isopropylbenzene	13.20	105	3800801	42.670	ug/l	100
74) N-amyl acetate	13.06	43	1095026	33.867	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.50	83	883261	50.056	ug/l	100
76) 1,2,3-Trichloropropane	13.52	75	920324	45.782	ug/l	100
77) Bromobenzene	13.47	156	1146979	46.759	ug/l	100
78) n-propylbenzene	13.57	91	4971828	42.905	ug/l	100
79) 2-Chlorotoluene	13.63	91	2750217	42.889	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	3078695	41.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	276687	52.130	ug/l	100
82) 4-Chlorotoluene	13.74	91	3015001	41.368	ug/l	100
83) tert-Butylbenzene	13.99	119	3646575	44.336	ug/l	100
84) 1,2,4-Trimethylbenzene	14.04	105	3078695	41.675	ug/l	100
85) sec-Butylbenzene	14.16	105	3914016	43.464	ug/l	100
86) p-Isopropyltoluene	14.29	119	3090793	40.917	ug/l	100
87) 1,3-Dichlorobenzene	14.25	146	2152959	50.824	ug/l	100
88) 1,4-Dichlorobenzene	14.33	146	2083518	48.856	ug/l	100
89) n-Butylbenzene	14.60	91	3233613	41.910	ug/l	100
90) Hexachloroethane	14.80	117	948923	46.647	ug/l	100
91) 1,2-Dichlorobenzene	14.61	146	1738268	48.037	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.18	75	115788	40.056	ug/l	100

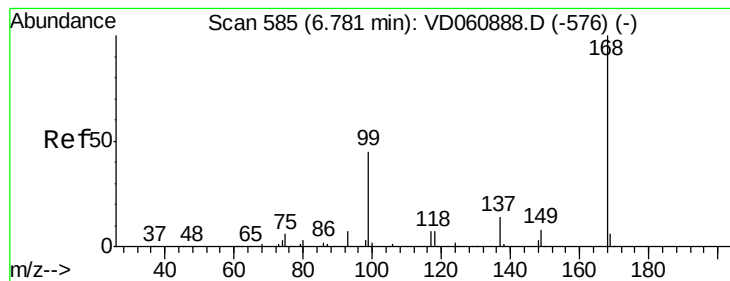
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	1207671	40.304	ug/l	100
94) Hexachlorobutadiene	15.84	225	802876	30.943	ug/l	100
95) Naphthalene	15.93	128	1638201	40.987	ug/l	100
96) 1,2,3-Trichlorobenzene	16.07	180	797887	32.947	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.78 min Scan# 585

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

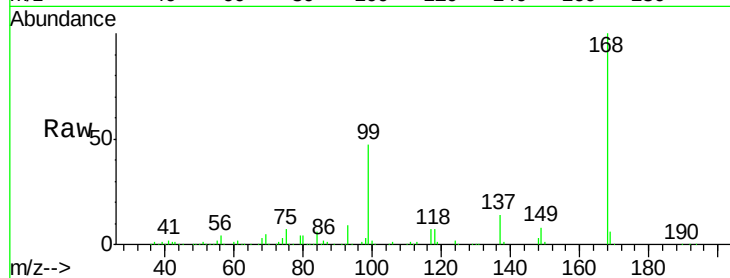
VSTDICCC050

Tot Ion:168 Resp: 2021185

Ion Ratio Lower Upper

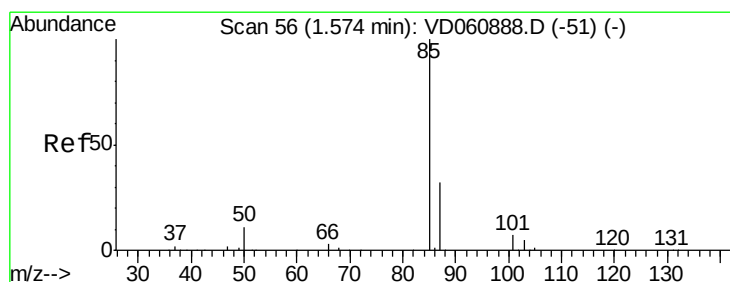
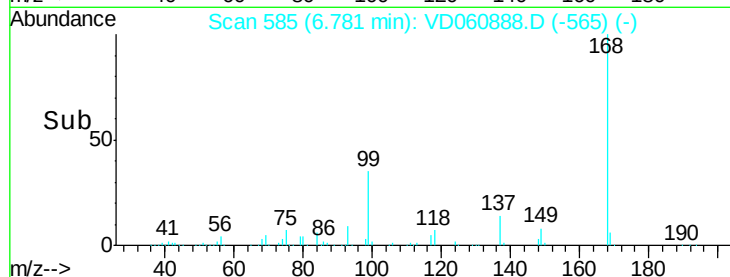
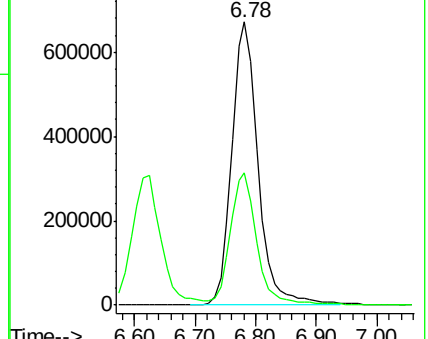
168 100

99 46.8 37.4 56.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 38.620 ug/l

RT: 1.57 min Scan# 56

Delta R.T. 0.00 min

Lab File: VD060888.D

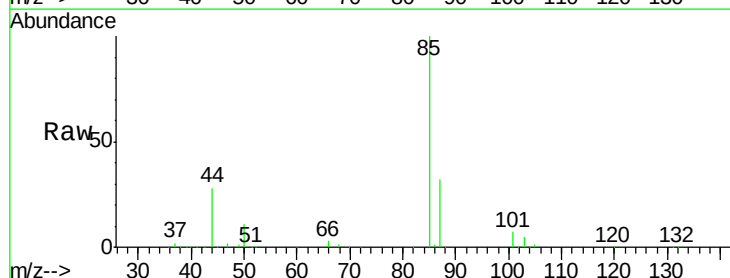
Acq: 21 Feb 2019 18:24

Tgt Ion: 85 Resp: 1108553

Ion Ratio Lower Upper

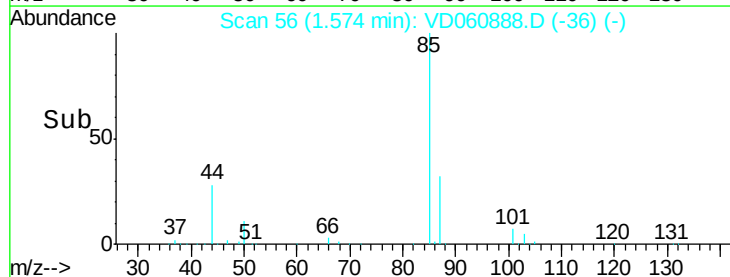
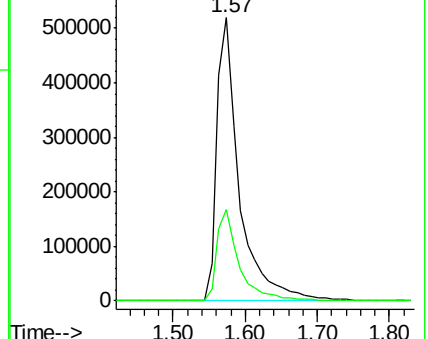
85 100

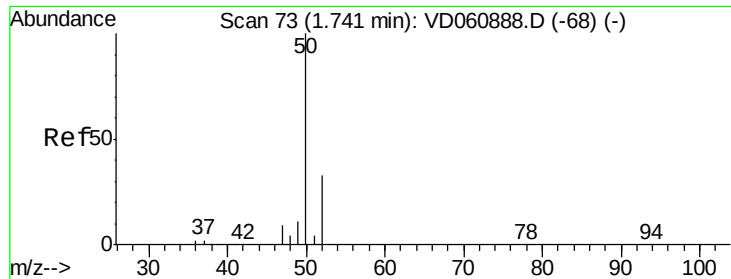
87 32.3 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 34.386 ug/l

RT: 1.74 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

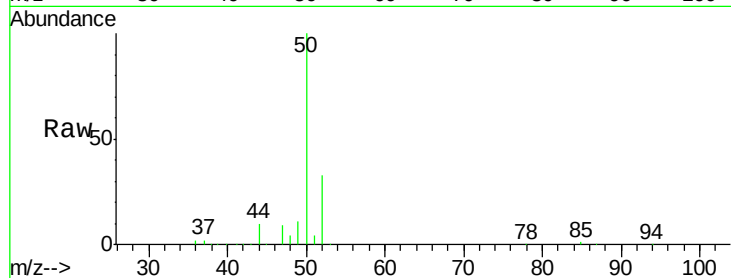
VSTDICCC050

Tot Ion: 50 Resp: 625173

Ion Ratio Lower Upper

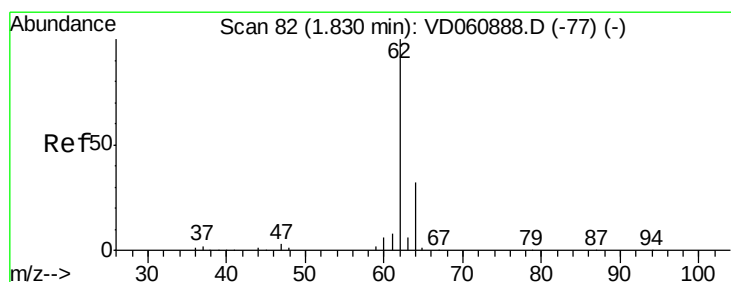
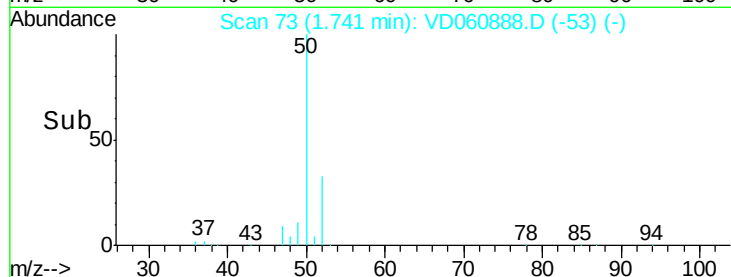
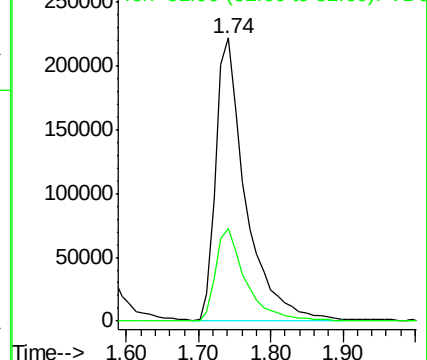
50 100

52 32.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 38.847 ug/l

RT: 1.83 min Scan# 82

Delta R.T. 0.00 min

Lab File: VD060888.D

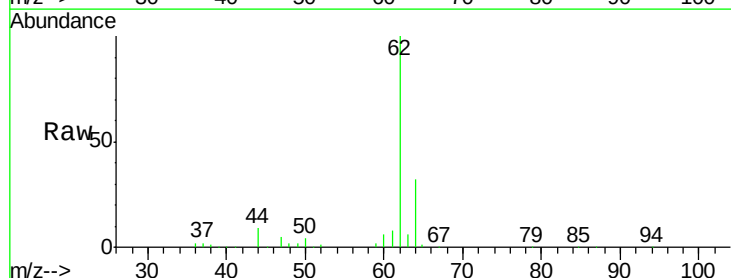
Acq: 21 Feb 2019 18:24

Tgt Ion: 62 Resp: 591000

Ion Ratio Lower Upper

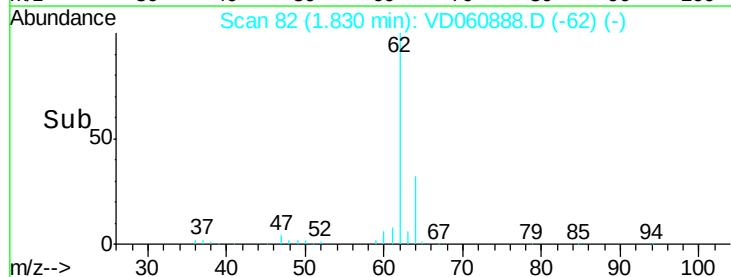
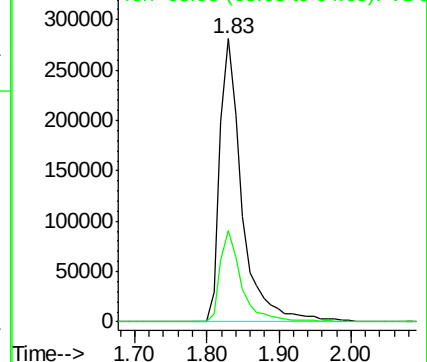
62 100

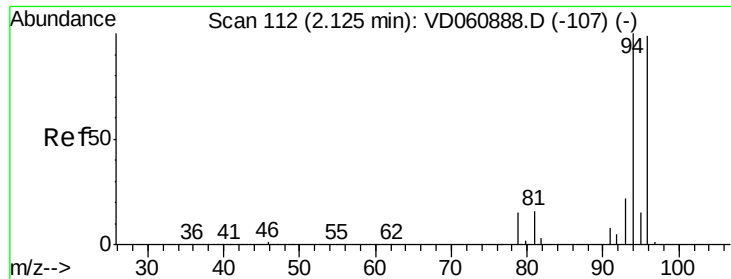
64 32.5 26.0 39.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 22.616 ug/l

RT: 2.13 min Scan# 112

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

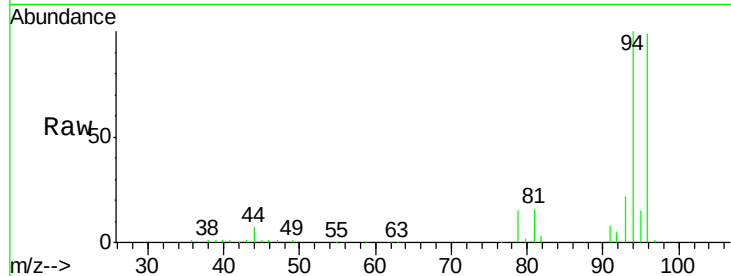
VSTDICCC050

Tot Ion: 94 Resp: 183039

Ion Ratio Lower Upper

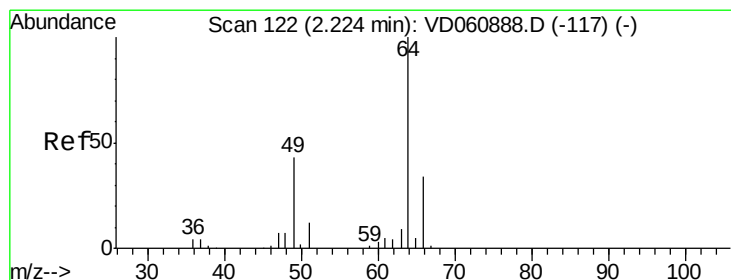
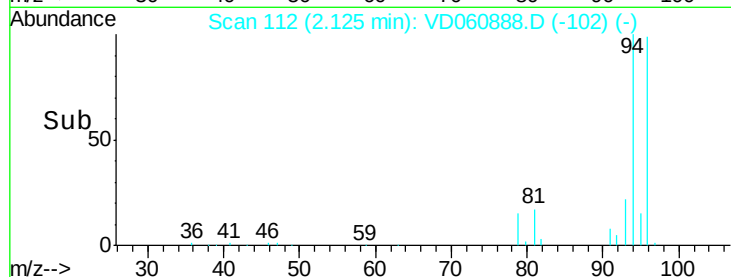
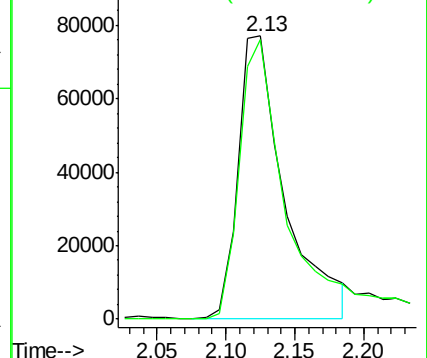
94 100

96 98.8 79.0 118.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 25.804 ug/l

RT: 2.22 min Scan# 122

Delta R.T. 0.00 min

Lab File: VD060888.D

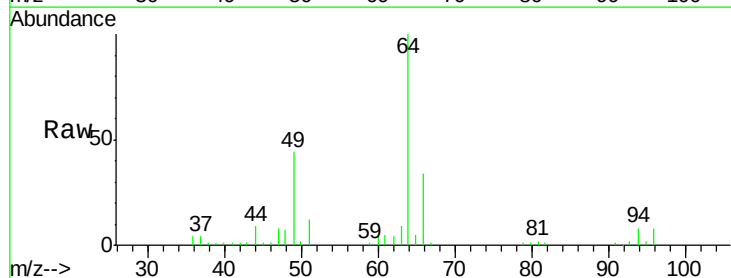
Acq: 21 Feb 2019 18:24

Tgt Ion: 64 Resp: 187977

Ion Ratio Lower Upper

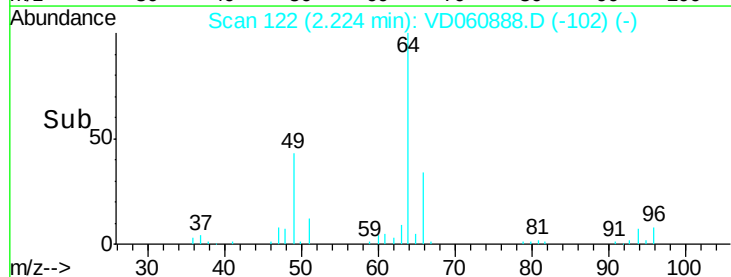
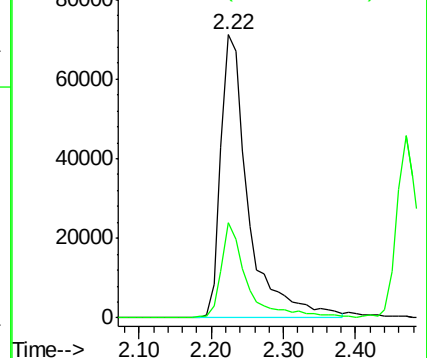
64 100

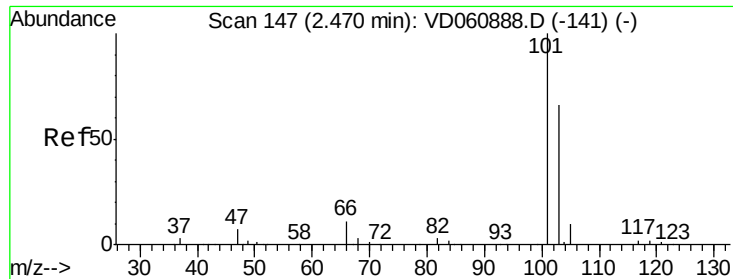
66 33.8 27.0 40.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



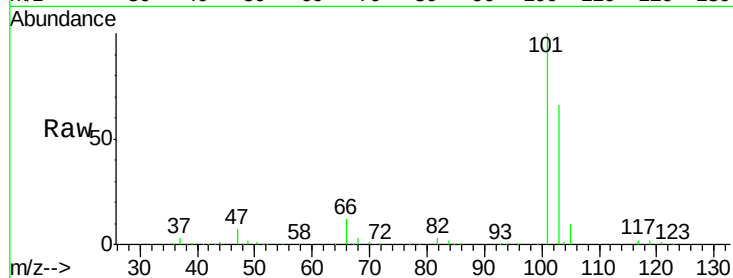


#7

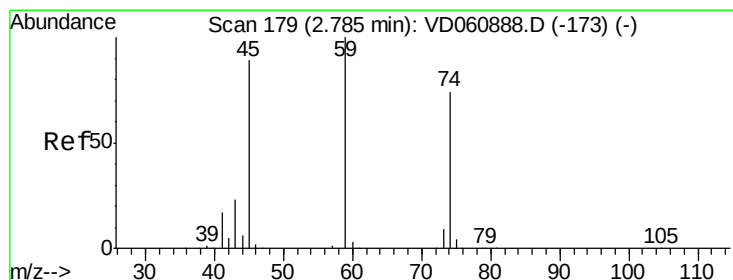
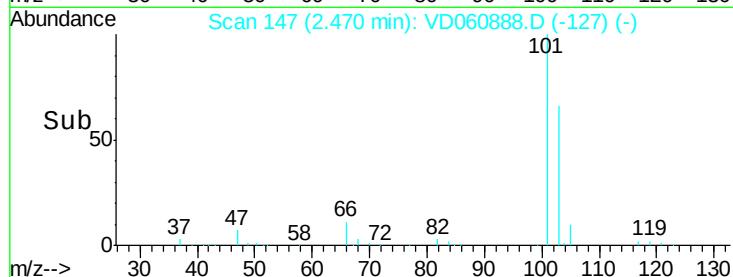
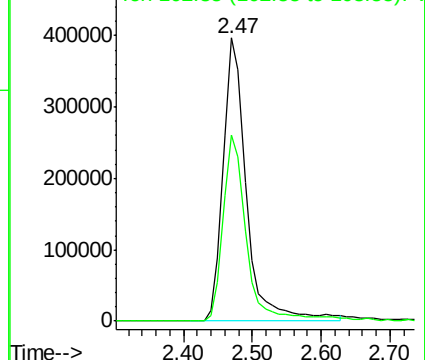
Trichlorofluoromethane
Concen: 29.190 ug/l
RT: 2.47 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD060888.D
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Tot Ion:101 Resp: 937755
Ion Ratio Lower Upper
101 100
103 65.8 52.6 79.0



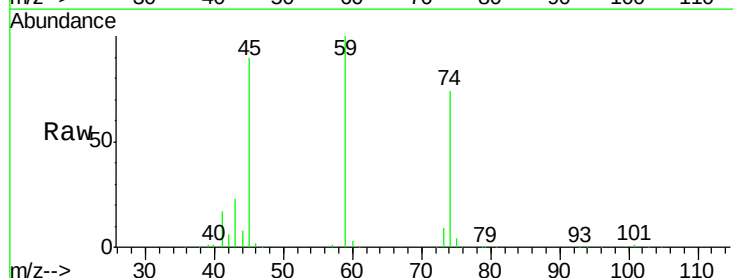
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



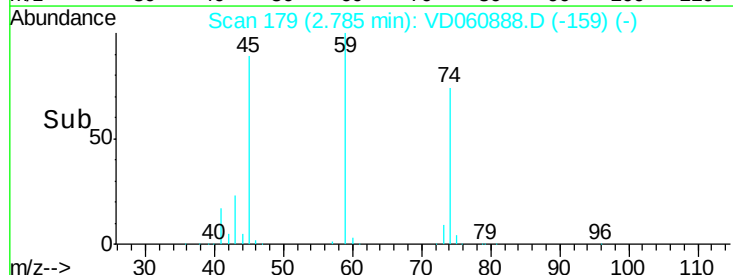
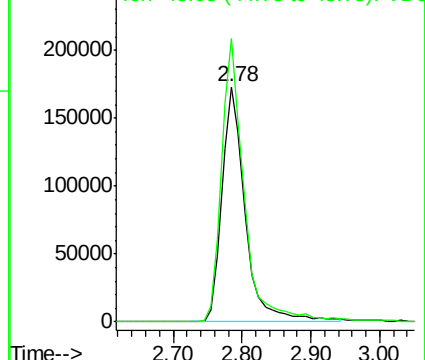
#8

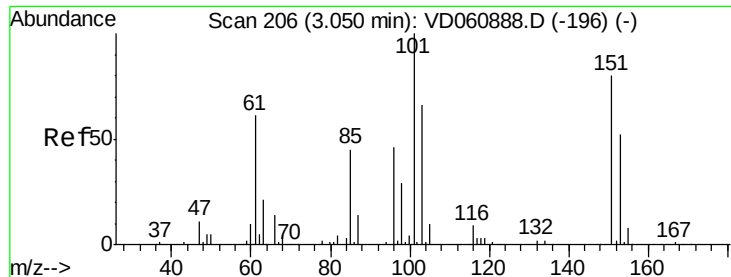
Diethyl Ether
Concen: 77.656 ug/l
RT: 2.78 min Scan# 179
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion: 74 Resp: 404264
Ion Ratio Lower Upper
74 100
45 120.3 60.2 180.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.564 ug/l

RT: 3.05 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

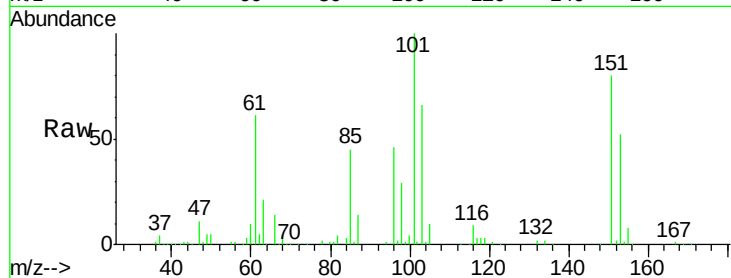
Tot Ion:101 Resp: 1139092

Ion Ratio Lower Upper

101 100

85 44.9 35.9 53.9

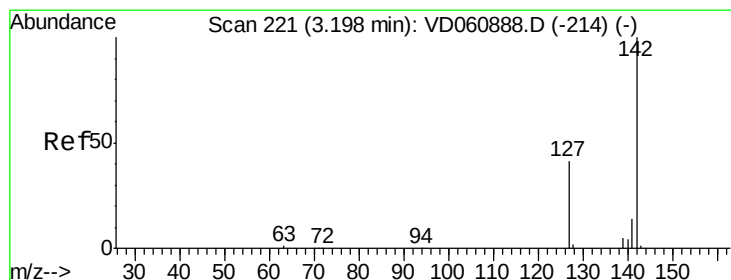
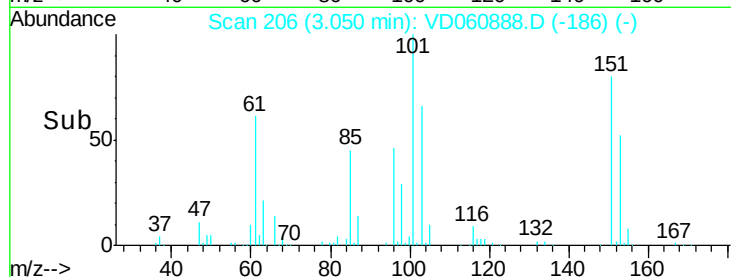
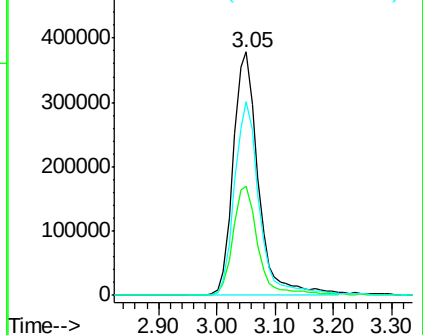
151 79.6 63.7 95.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 85.384 ug/l

RT: 3.20 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

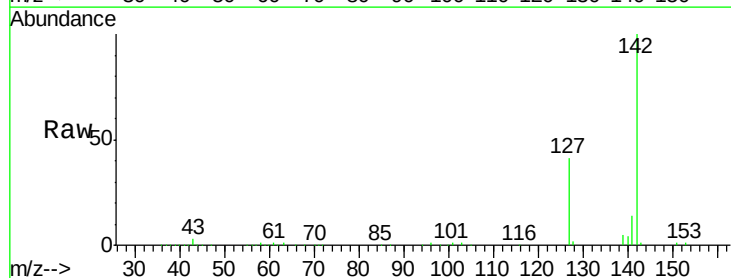
Tgt Ion:142 Resp: 1788716

Ion Ratio Lower Upper

142 100

127 41.2 33.0 49.4

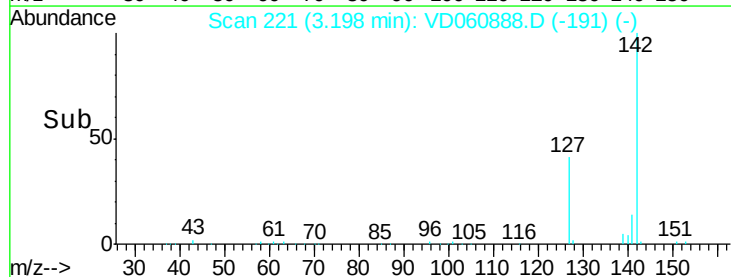
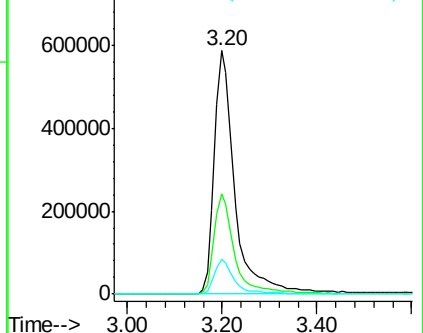
141 14.3 11.4 17.2

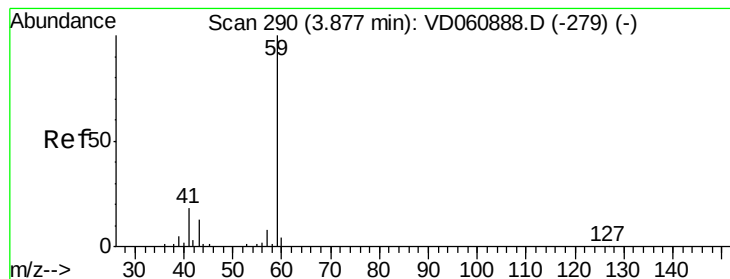


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



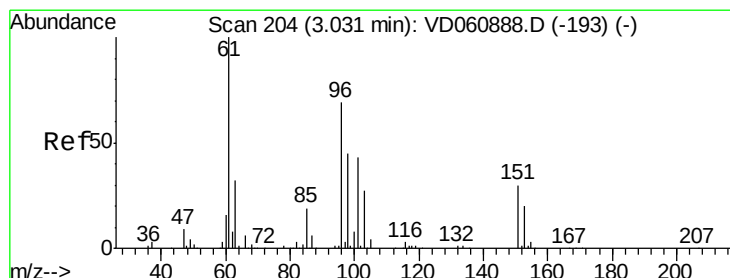
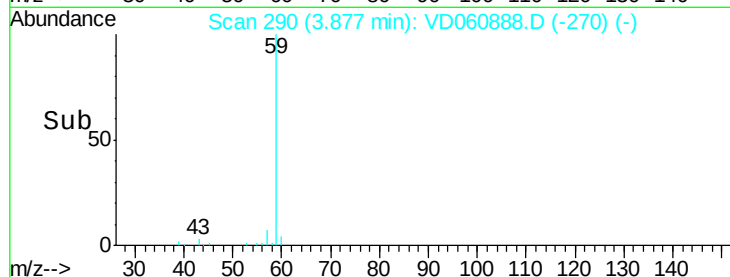
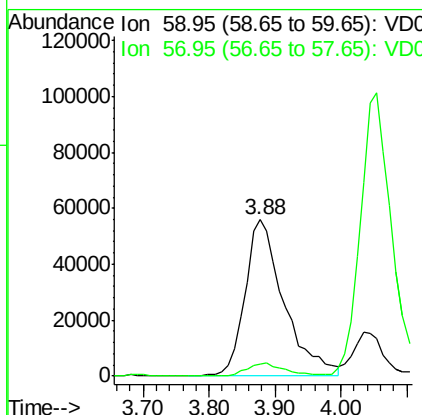
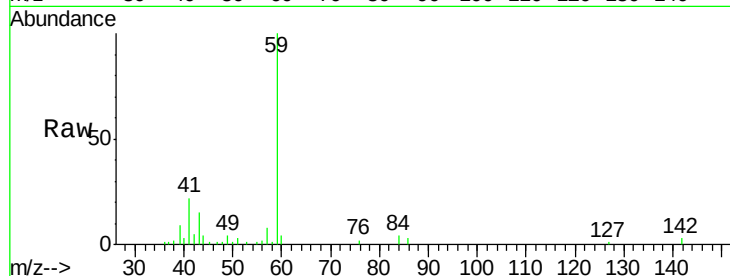


#11

Tert butyl alcohol
Concen: 208.028 ug/l
RT: 3.88 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

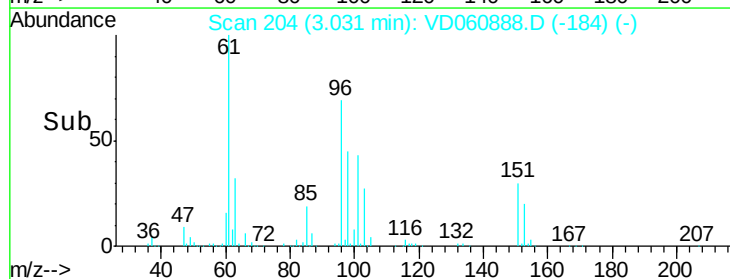
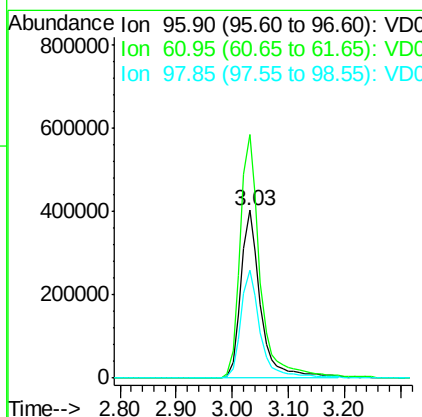
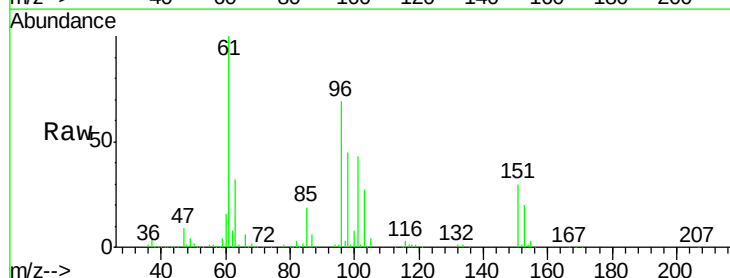
Tot Ion: 59 Resp: 232151
Ion Ratio Lower Upper
59 100
57 7.9 6.3 9.5

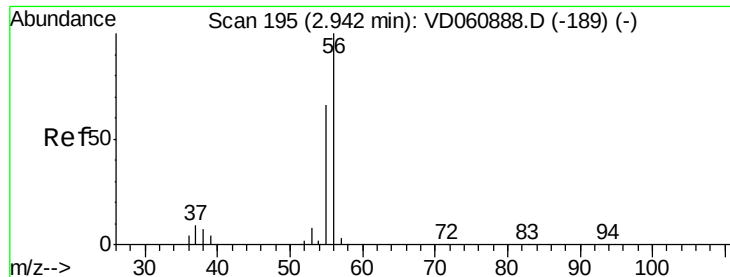


#12

1,1-Dichloroethene
Concen: 77.490 ug/l
RT: 3.03 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion: 96 Resp: 983210
Ion Ratio Lower Upper
96 100
61 145.1 116.1 174.1
98 64.7 51.8 77.6





#13

Acrolein

Concen: 339.231 ug/l

RT: 2.94 min Scan# 195

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

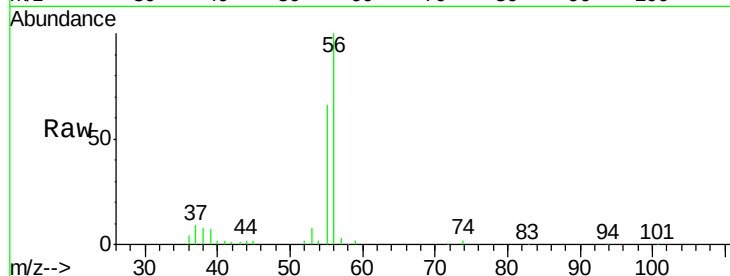
VSTDICCC050

Tot Ion: 56 Resp: 364724

Ion Ratio Lower Upper

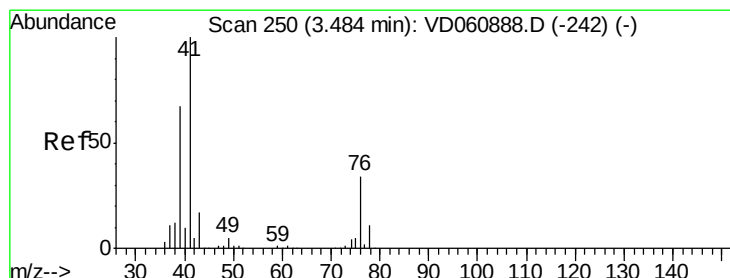
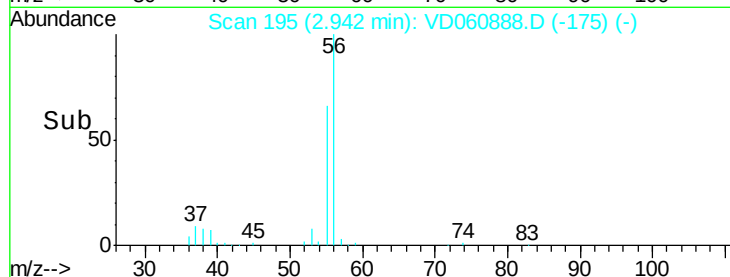
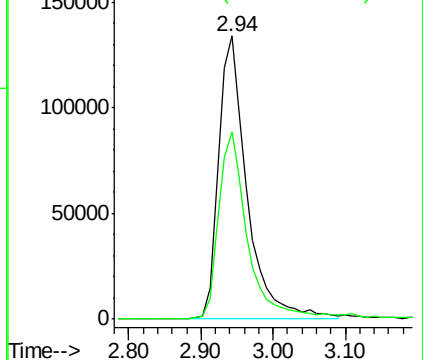
56 100

55 66.2 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 56.537 ug/l

RT: 3.48 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

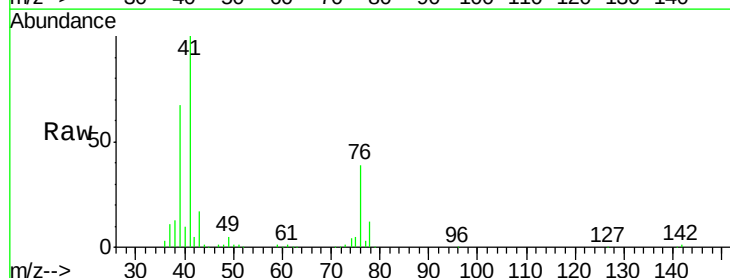
Tgt Ion: 41 Resp: 1612297

Ion Ratio Lower Upper

41 100

39 67.1 53.7 80.5

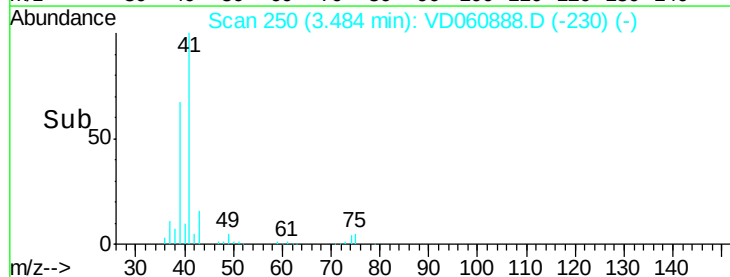
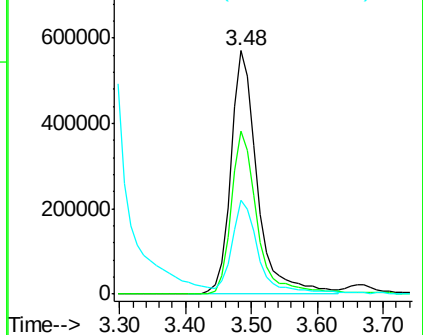
76 38.6 30.9 46.3

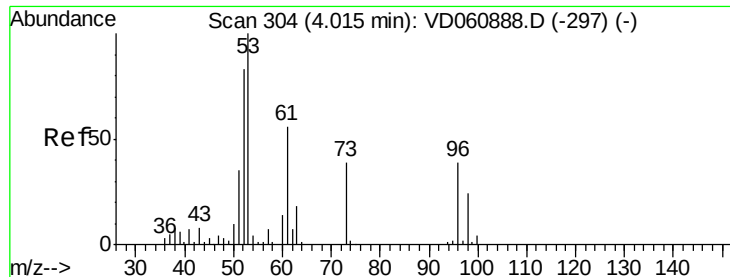


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 220.614 ug/l

RT: 4.02 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

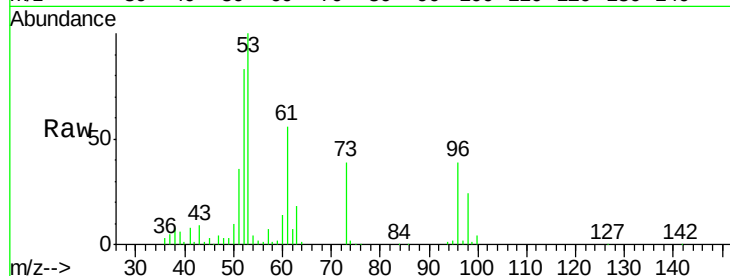
Tot Ion: 53 Resp: 900894

Ion Ratio Lower Upper

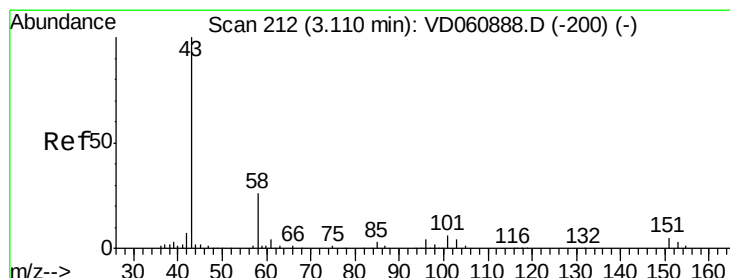
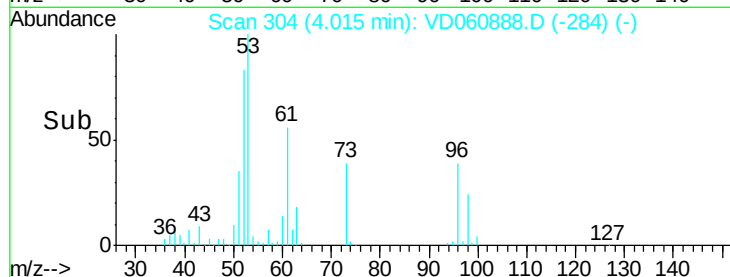
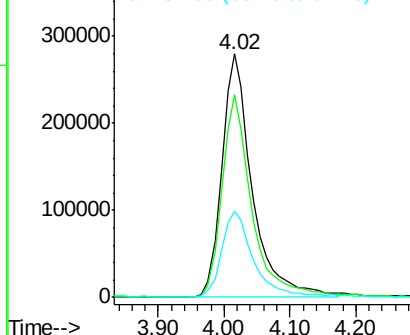
53 100

52 83.4 66.7 100.1

51 35.5 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 239.475 ug/l

RT: 3.11 min Scan# 212

Delta R.T. 0.00 min

Lab File: VD060888.D

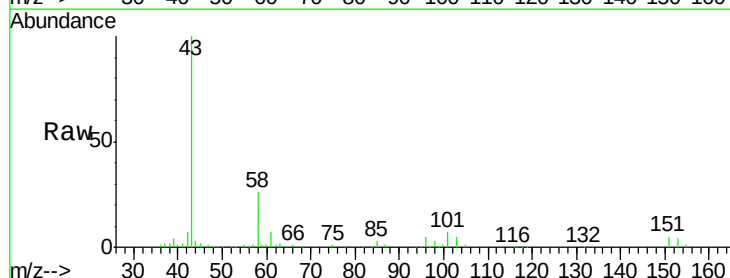
Acq: 21 Feb 2019 18:24

Tgt Ion: 43 Resp: 1049008

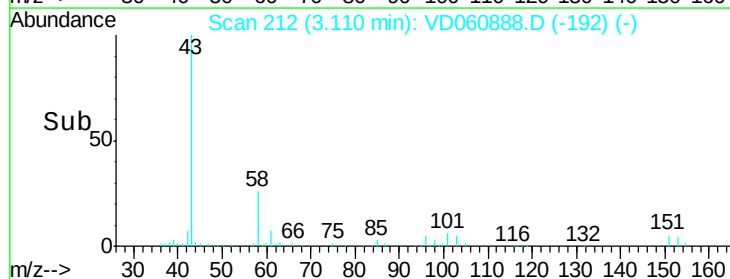
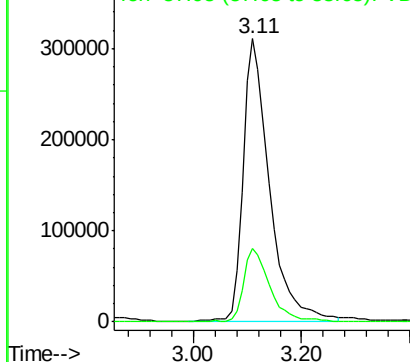
Ion Ratio Lower Upper

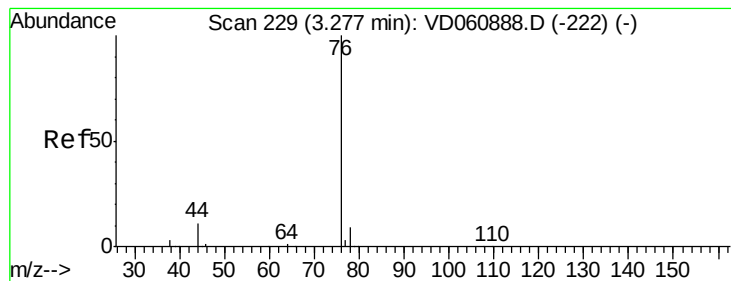
43 100

58 26.2 21.0 31.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 77.533 ug/l

RT: 3.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

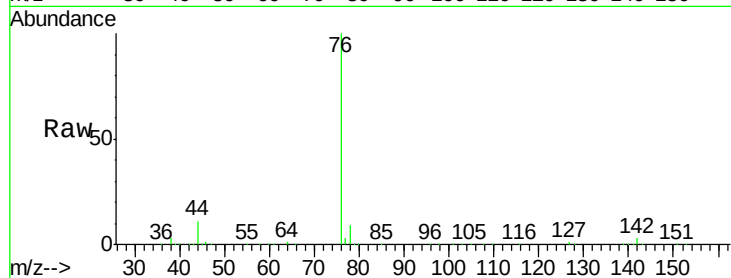
VSTDICCC050

Tot Ion: 76 Resp: 3623678

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

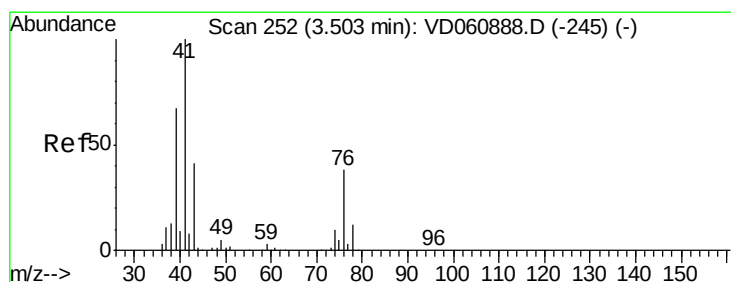
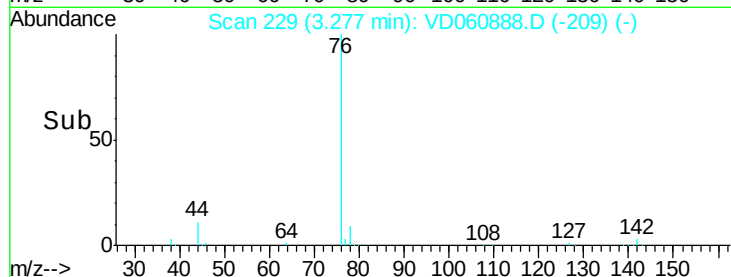
1500000

1000000

500000

0

Time--> 3.10 3.20 3.30 3.40 3.50



#18

Methyl Acetate

Concen: 56.067 ug/l

RT: 3.50 min Scan# 252

Delta R.T. 0.00 min

Lab File: VD060888.D

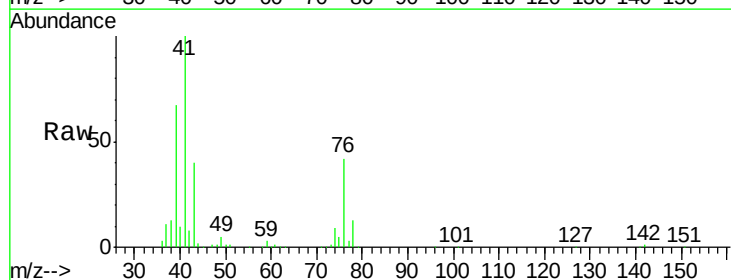
Acq: 21 Feb 2019 18:24

Tgt Ion: 43 Resp: 411374

Ion Ratio Lower Upper

43 100

74 23.3 18.6 28.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

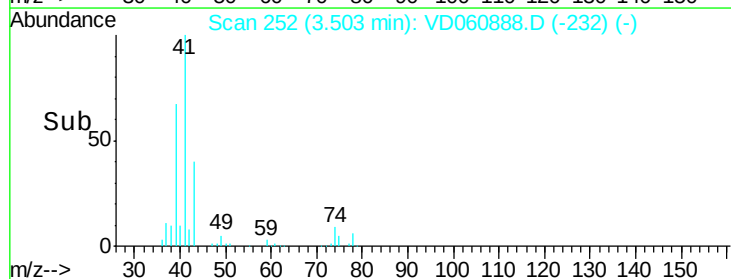
150000

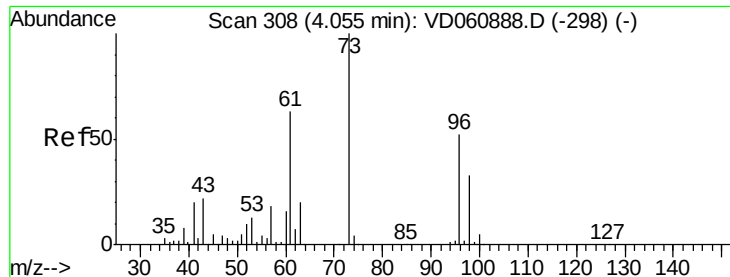
100000

50000

0

Time--> 3.40 3.50 3.60 3.70

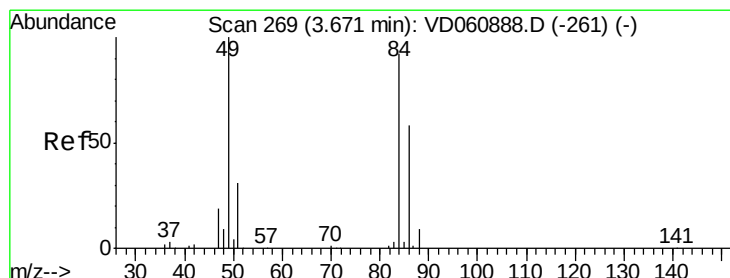
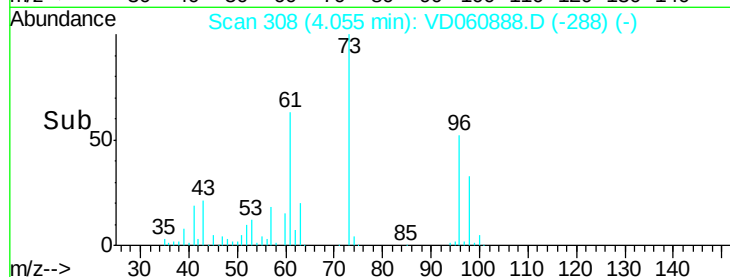
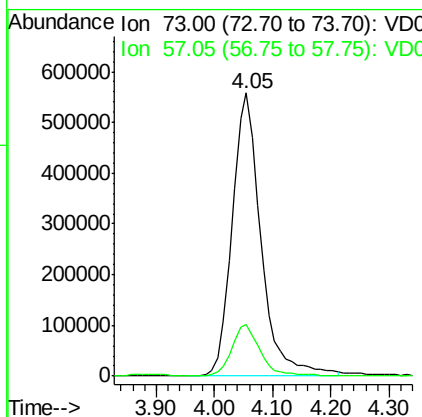
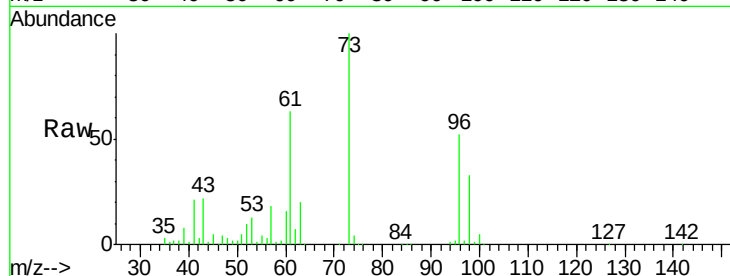




#19
Methyl tert-butyl Ether
Concen: 44.899 ug/l
RT: 4.05 min Scan# 308
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

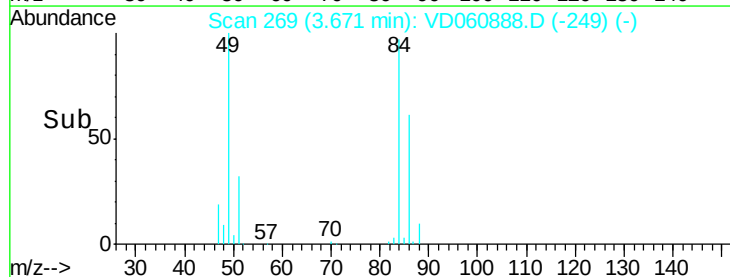
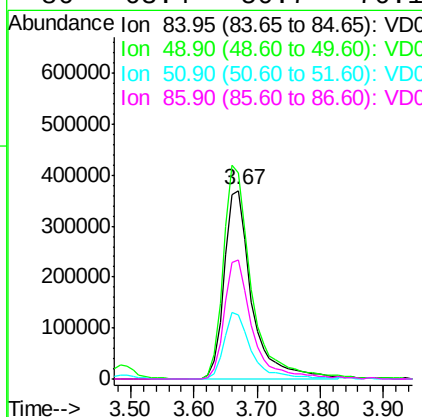
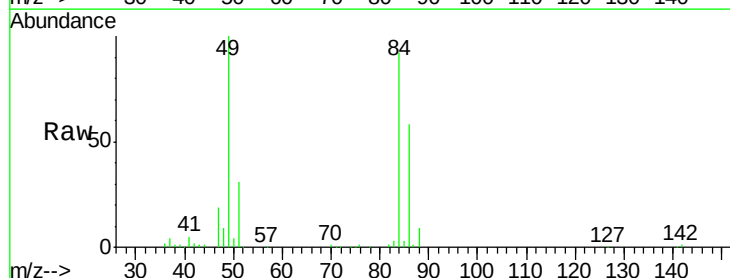
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

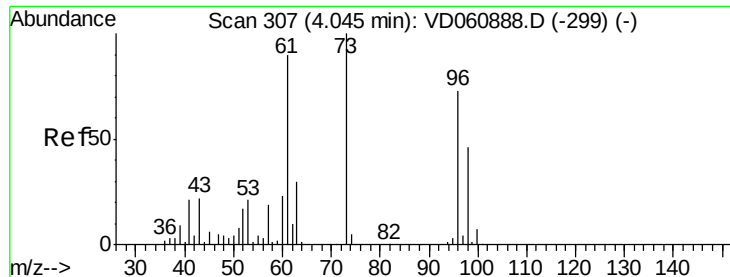
Tot Ion: 73 Resp: 1921117
Ion Ratio Lower Upper
73 100
57 18.1 14.5 21.7



#20
Methylene Chloride
Concen: 41.050 ug/l
RT: 3.67 min Scan# 269
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion: 84 Resp: 1123132
Ion Ratio Lower Upper
84 100
49 109.0 87.2 130.8
51 34.2 27.4 41.0
86 63.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 51.504 ug/l

RT: 4.04 min Scan# 307

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

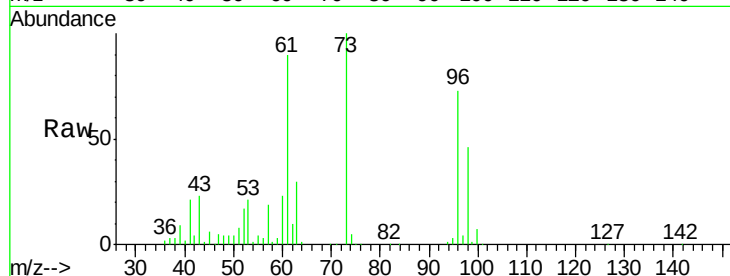
Tot Ion: 96 Resp: 1092097

Ion Ratio Lower Upper

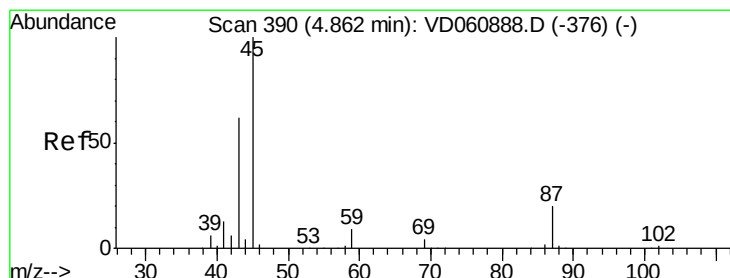
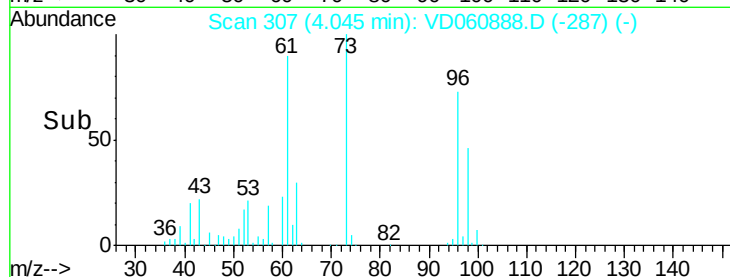
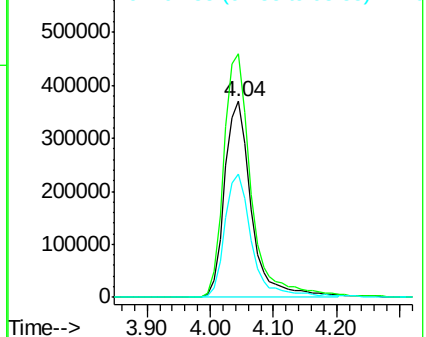
96 100

61 124.3 99.4 149.2

98 63.2 50.6 75.8



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: 40.995 ug/l

RT: 4.86 min Scan# 390

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Tgt Ion: 45 Resp: 3136690

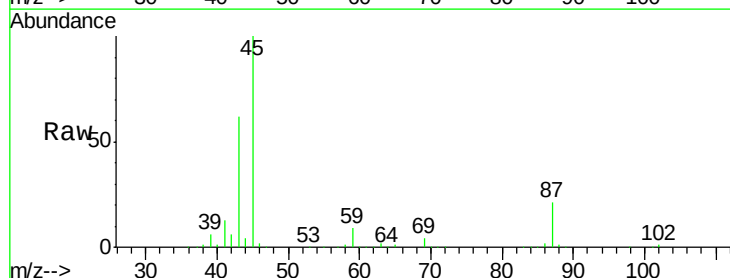
Ion Ratio Lower Upper

45 100

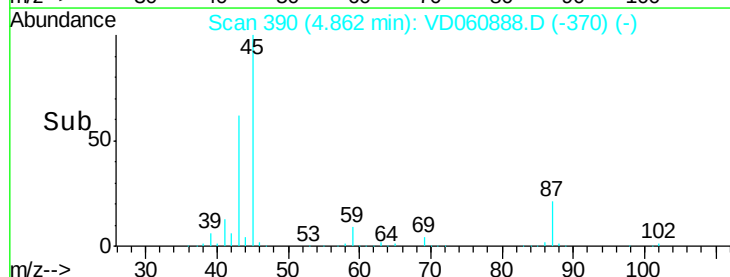
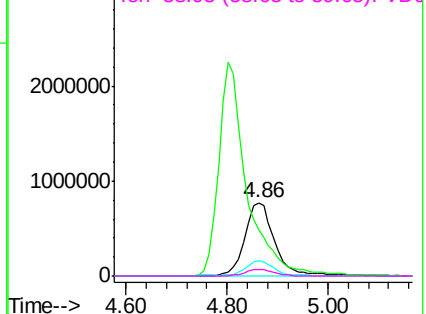
43 62.3 49.8 74.8

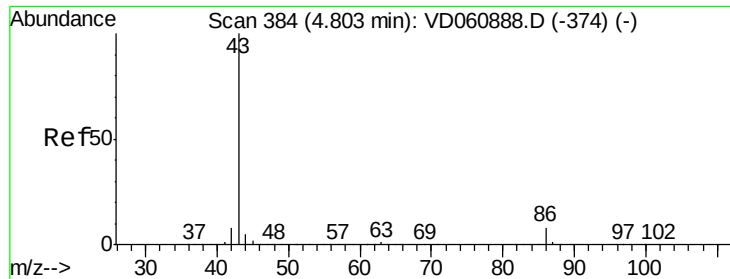
87 20.9 16.7 25.1

59 9.3 7.4 11.2



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: 189.886 ug/l

RT: 4.80 min Scan# 384

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

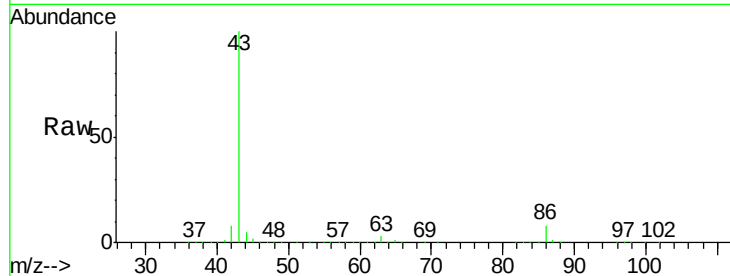
VSTDICCC050

Tot Ion: 43 Resp: 8601808

Ion Ratio Lower Upper

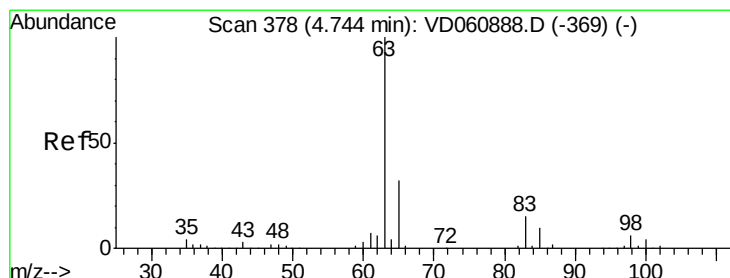
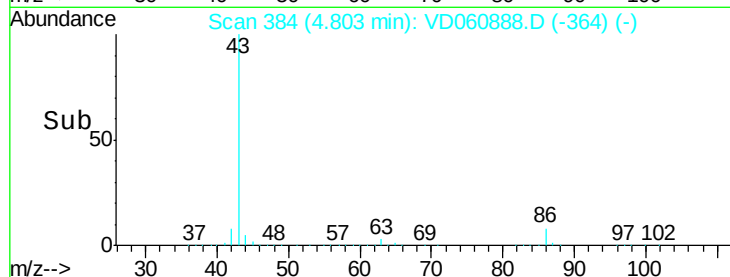
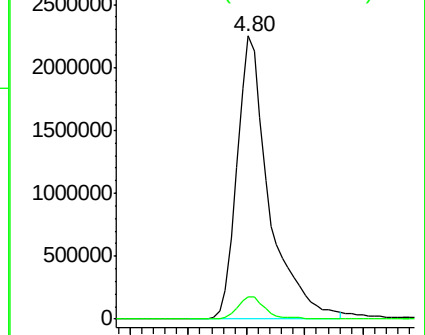
43 100

86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 40.779 ug/l

RT: 4.74 min Scan# 378

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

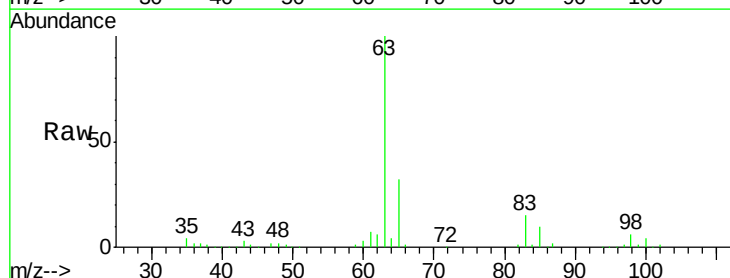
Tgt Ion: 63 Resp: 1676260

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

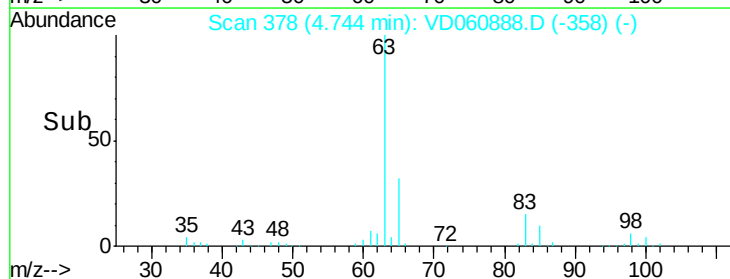
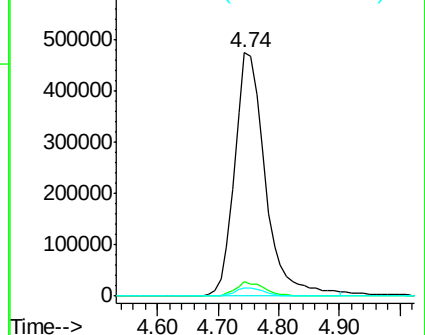
100 3.6 1.8 5.4

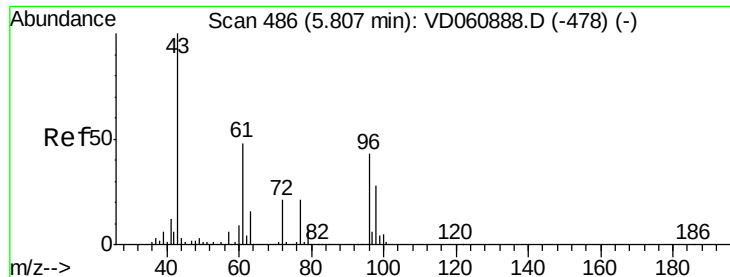


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 200.869 ug/l

RT: 5.81 min Scan# 486

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

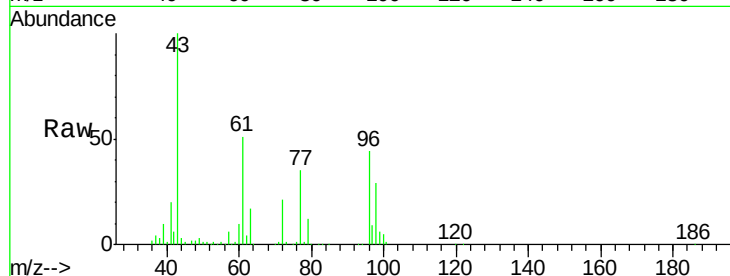
VSTDICCC050

Tot Ion: 43 Resp: 1306229

Ion Ratio Lower Upper

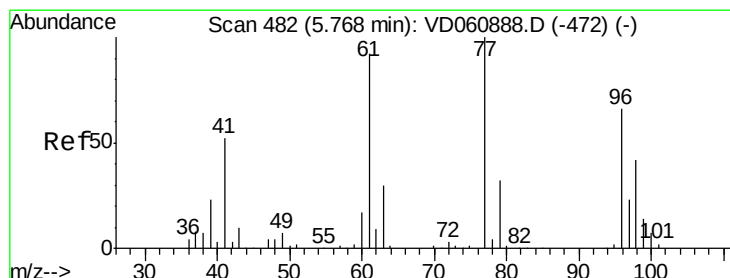
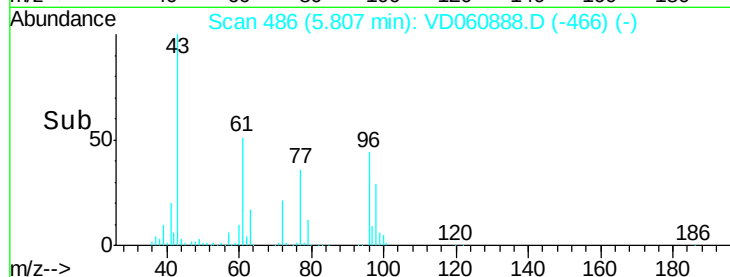
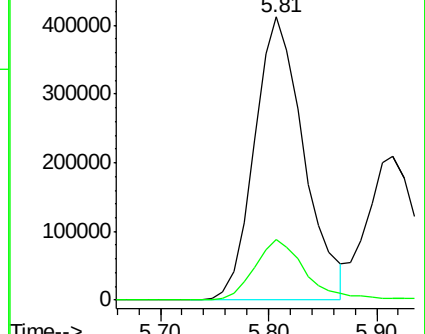
43 100

72 21.3 17.0 25.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 39.761 ug/l

RT: 5.77 min Scan# 482

Delta R.T. 0.00 min

Lab File: VD060888.D

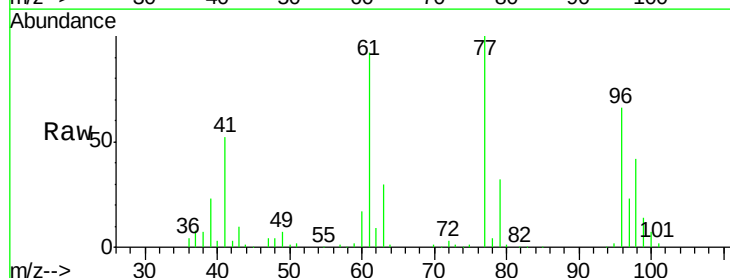
Acq: 21 Feb 2019 18:24

Tgt Ion: 77 Resp: 1534256

Ion Ratio Lower Upper

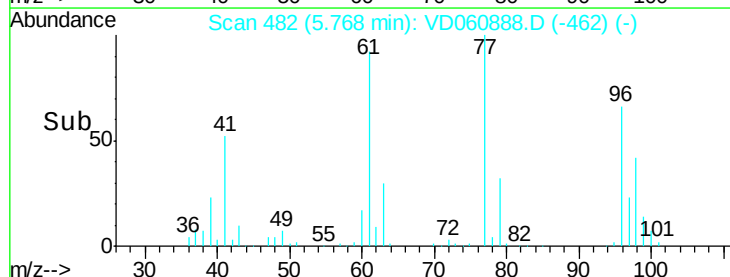
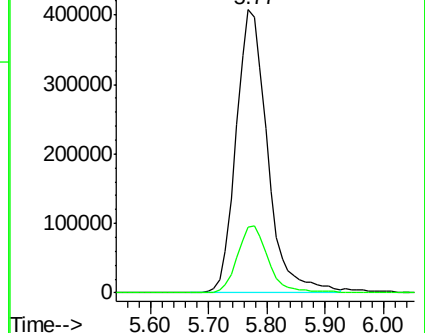
77 100

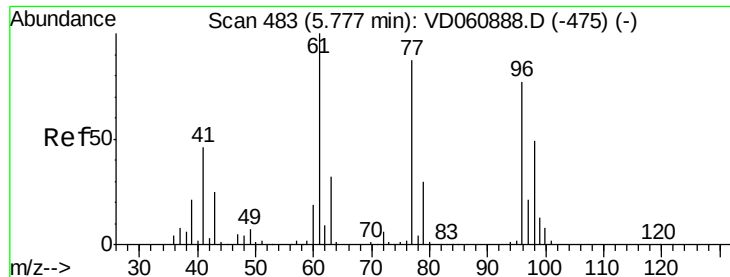
97 23.1 11.6 34.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

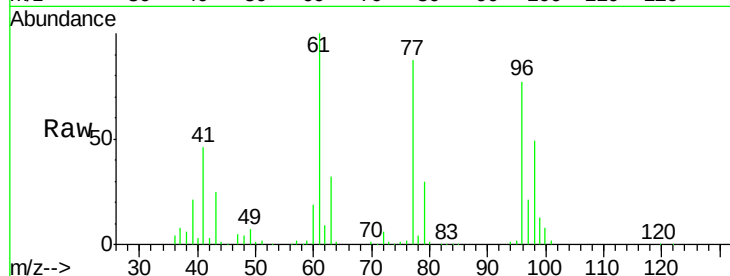




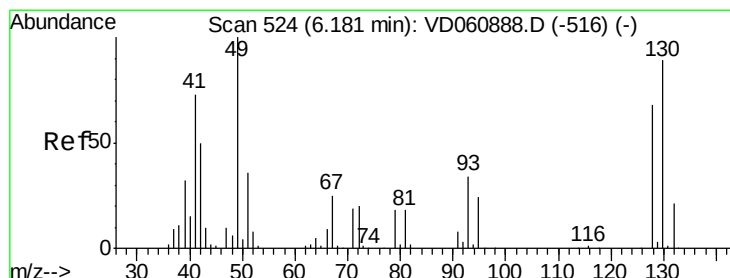
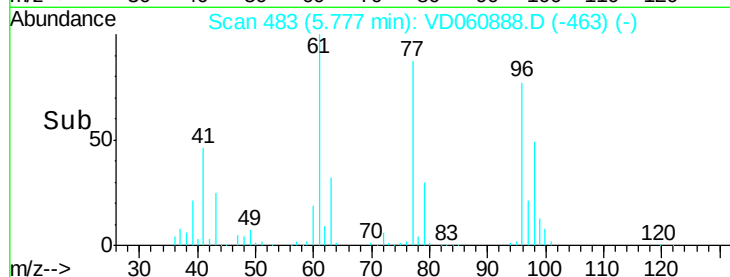
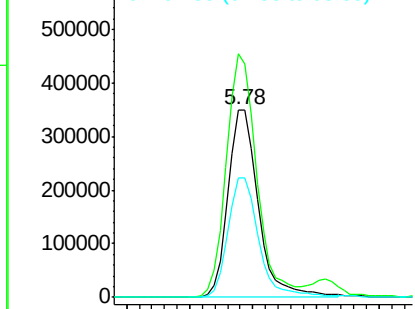
#27
 cis-1,2-Dichloroethene
 Concen: 53.199 ug/l
 RT: 5.78 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 96 Resp: 1168111
 Ion Ratio Lower Upper
 96 100
 61 129.7 0.0 259.4
 98 63.7 0.0 127.4

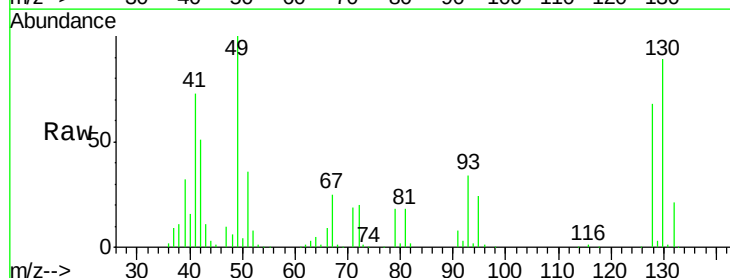


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

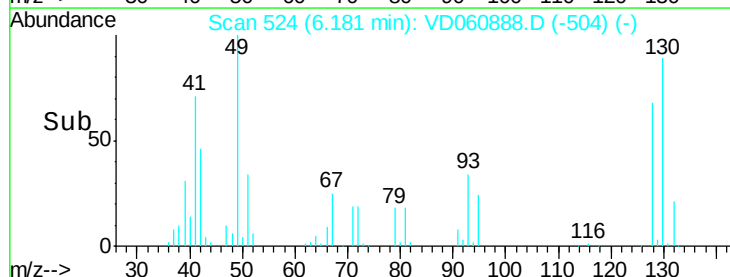
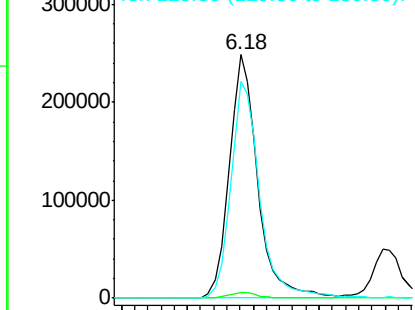


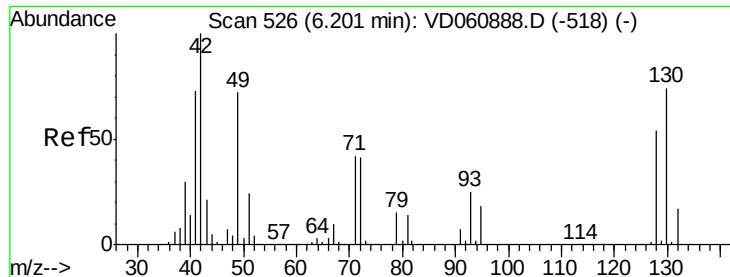
#28
 Bromochloromethane
 Concen: 42.832 ug/l
 RT: 6.18 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion: 49 Resp: 751113
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 5.0
 130 89.2 71.4 107.0



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





#29

Tetrahydrofuran

Concen: 223.115 ug/l

RT: 6.20 min Scan# 526

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

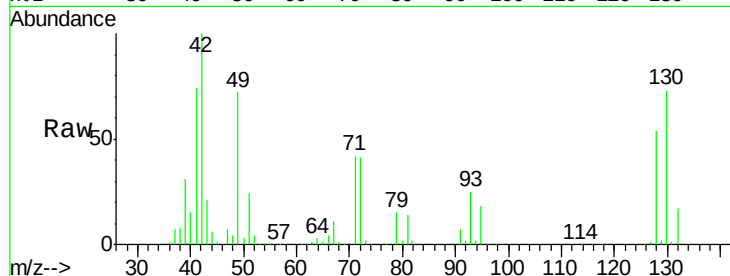
Tot Ion: 42 Resp: 721047

Ion Ratio Lower Upper

42 100

72 43.7 35.0 52.4

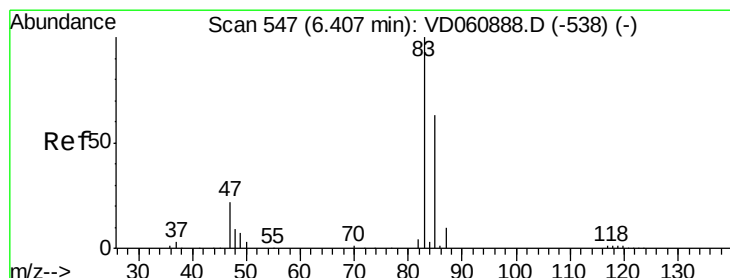
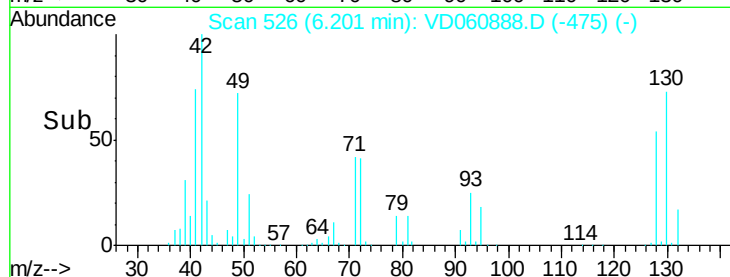
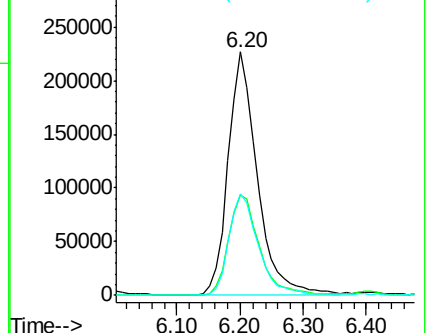
71 42.8 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 47.076 ug/l

RT: 6.41 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD060888.D

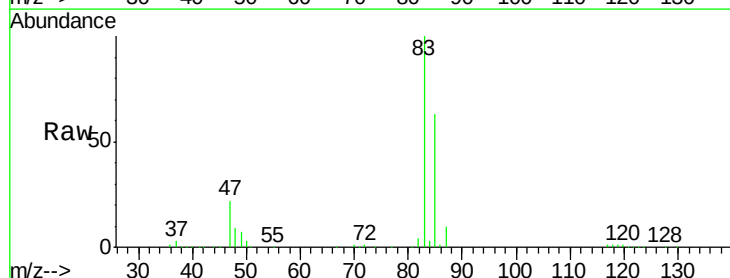
Acq: 21 Feb 2019 18:24

Tgt Ion: 83 Resp: 2036426

Ion Ratio Lower Upper

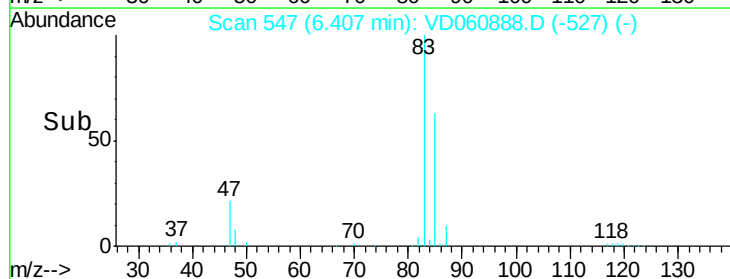
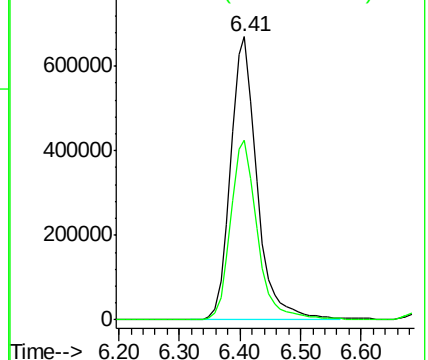
83 100

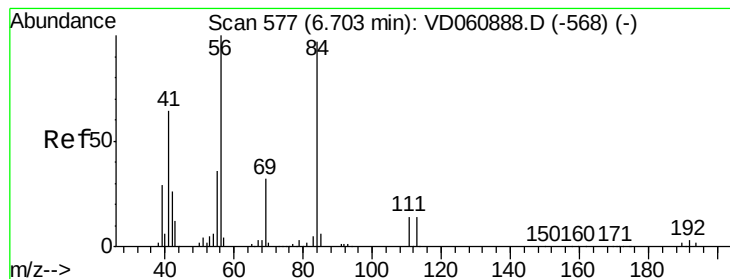
85 63.4 50.7 76.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 42.771 ug/l

RT: 6.70 min Scan# 577

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

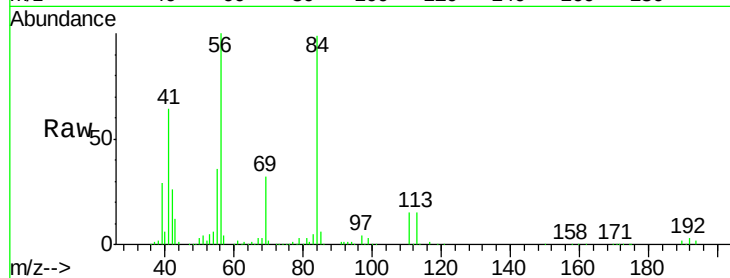
Tot Ion: 56 Resp: 1476053

Ion Ratio Lower Upper

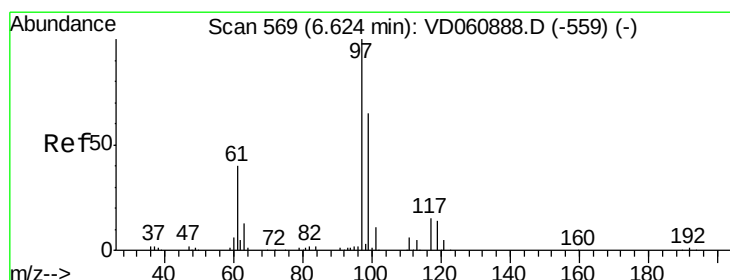
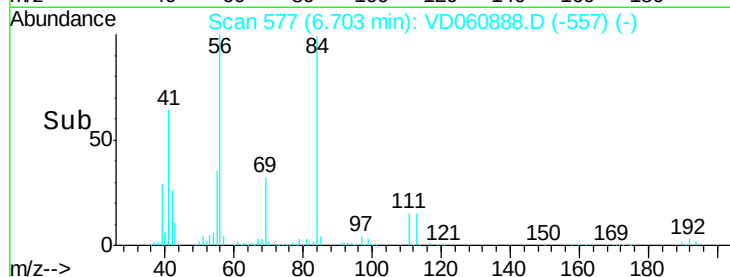
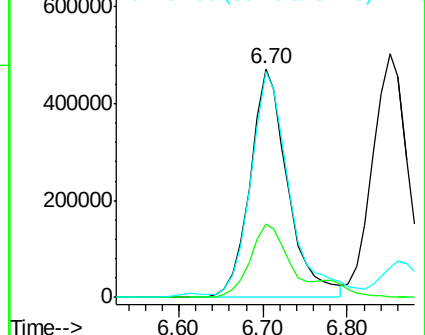
56 100

69 32.3 25.8 38.8

84 98.6 78.9 118.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 42.732 ug/l

RT: 6.62 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

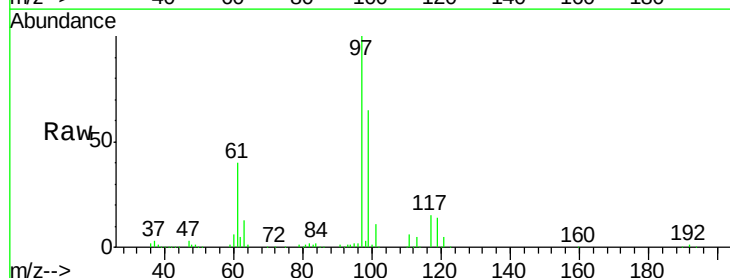
Tgt Ion: 97 Resp: 1621214

Ion Ratio Lower Upper

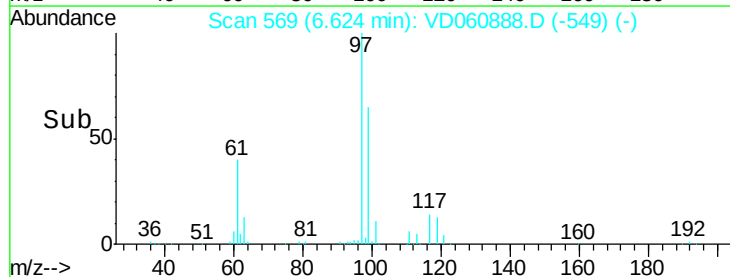
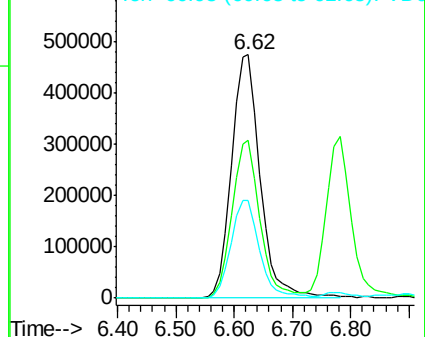
97 100

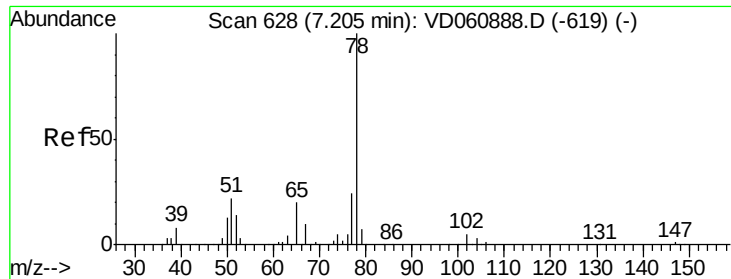
99 64.9 51.9 77.9

61 40.0 32.0 48.0



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

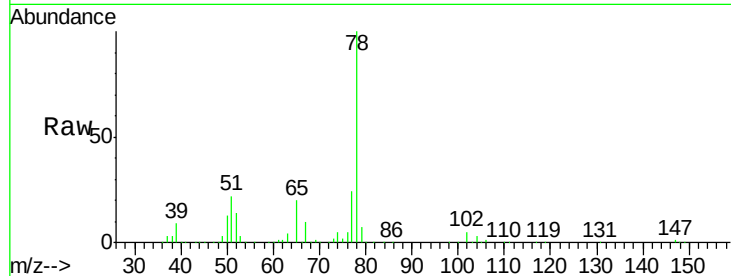




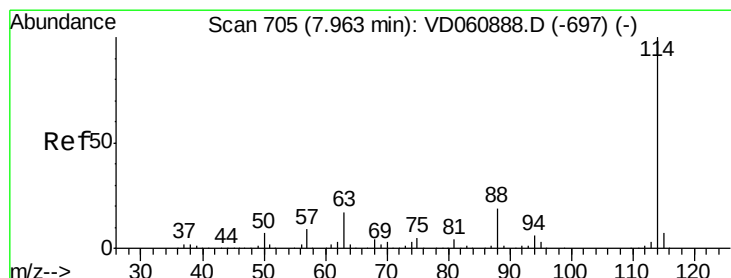
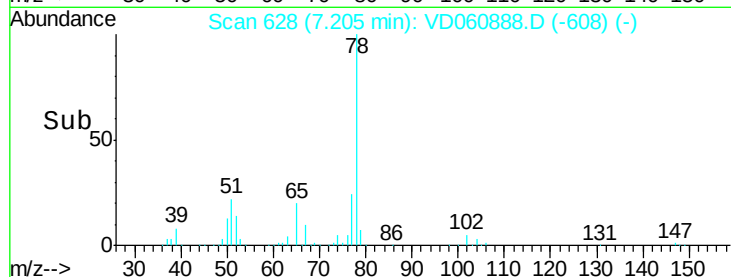
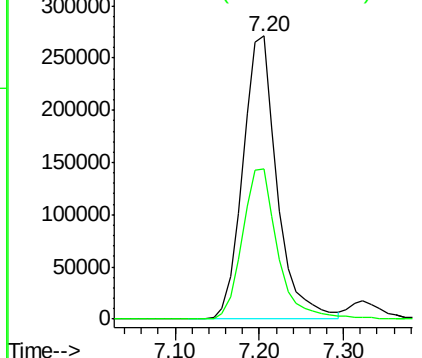
#33
 1,2-Dichloroethane-d4
 Concen: 42.732 ug/l
 RT: 7.20 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 770770
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.0

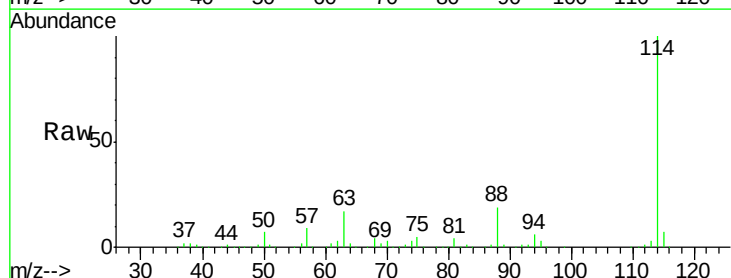


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

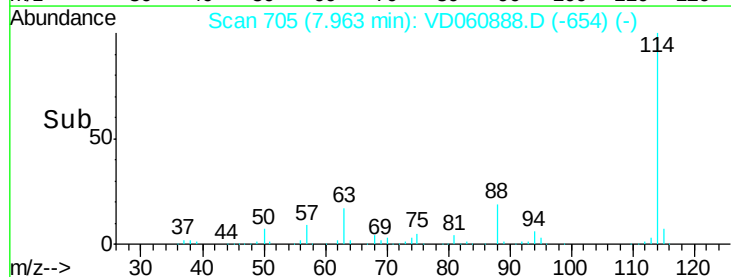
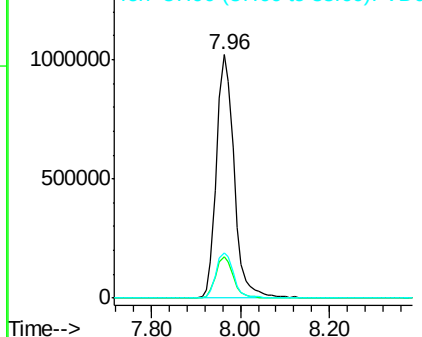


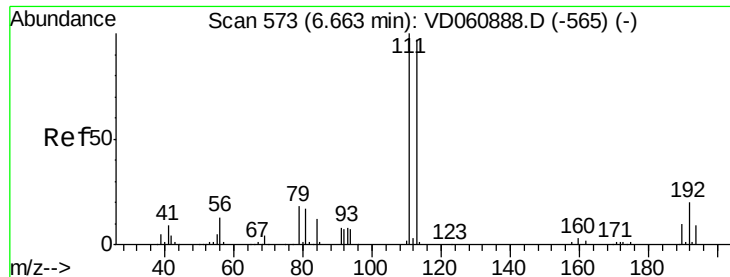
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.96 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion: 114 Resp: 2814699
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 33.4
 88 18.6 0.0 37.2



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.66 min Scan# 573

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

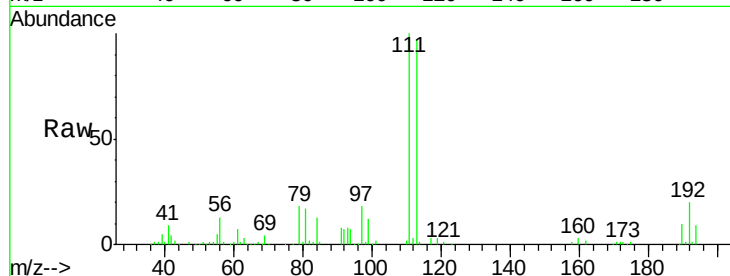
Tot Ion:113 Resp: 1119394

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	20.7	16.6	24.8

113 100

111 103.2 82.6 123.8

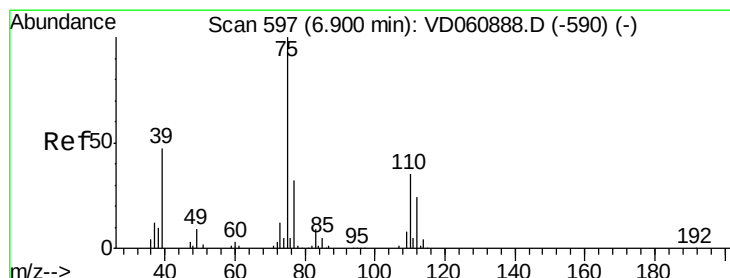
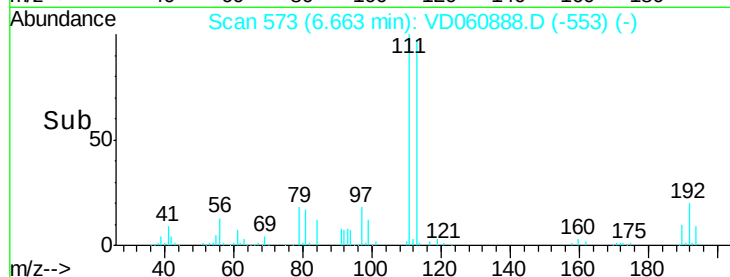
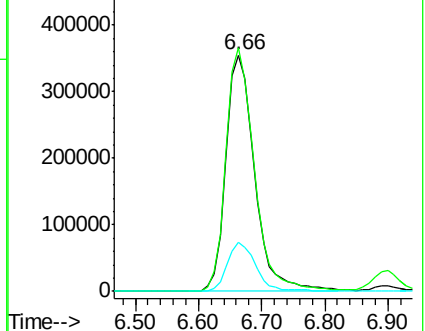
192 20.7 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 44.210 ug/l

RT: 6.90 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

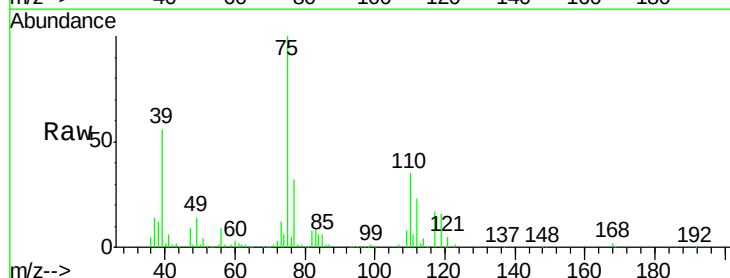
Tgt Ion: 75 Resp: 1516857

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.5	52.5
77	32.0	25.6	38.4

75 100

110 35.0 17.5 52.5

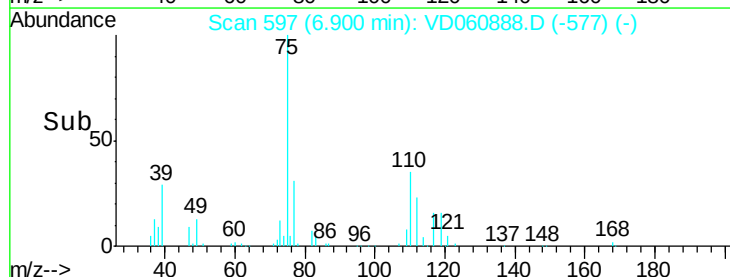
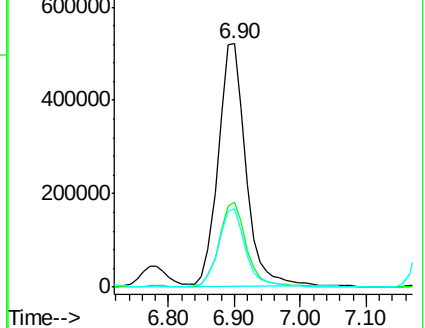
77 32.0 25.6 38.4

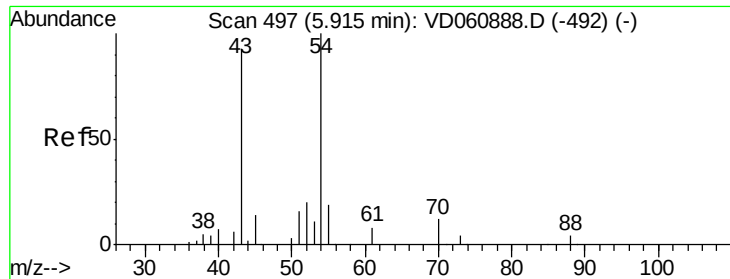


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

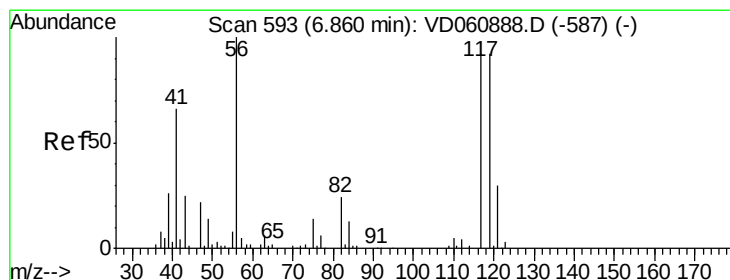
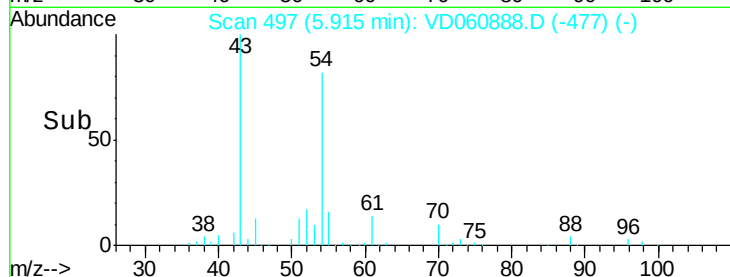
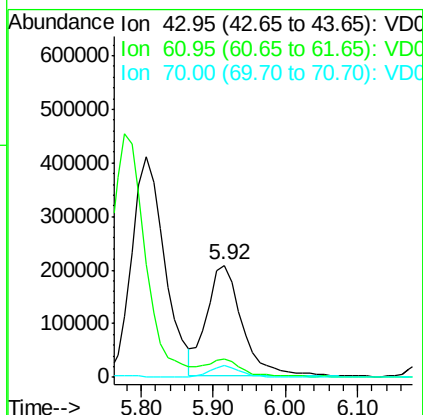
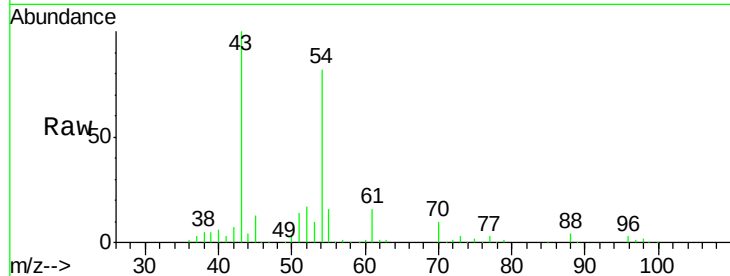




#37
Ethyl Acetate
Concen: 39.701 ug/l
RT: 5.92 min Scan# 497
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

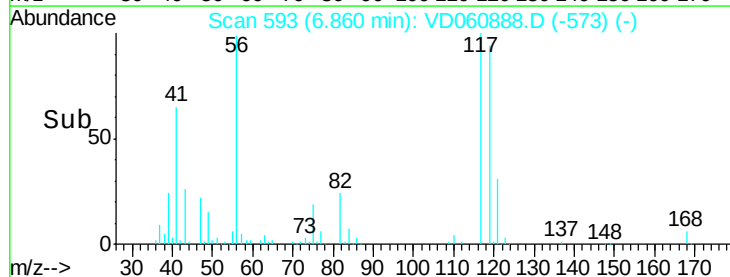
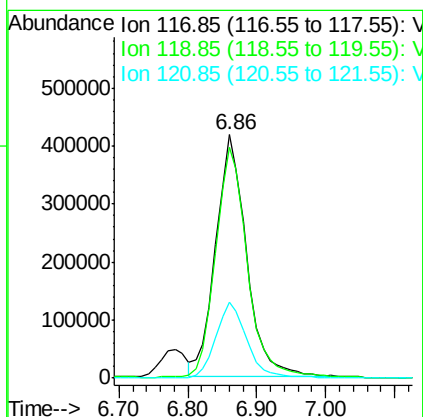
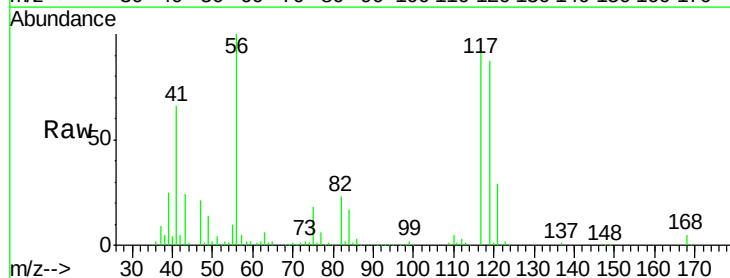
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

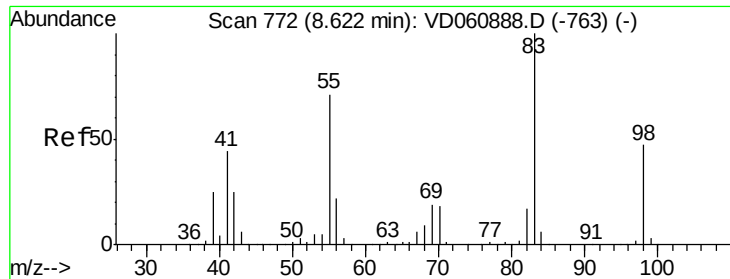
Tot Ion: 43 Resp: 698842
Ion Ratio Lower Upper
43 100
61 16.1 12.9 19.3
70 10.1 8.1 12.1



#38
Carbon Tetrachloride
Concen: 36.740 ug/l
RT: 6.86 min Scan# 593
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion: 117 Resp: 1288325
Ion Ratio Lower Upper
117 100
119 94.6 75.7 113.5
121 31.1 24.9 37.3

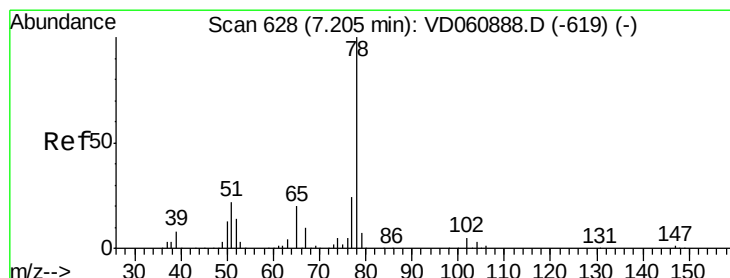
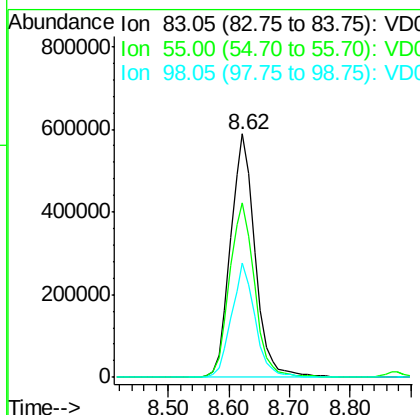
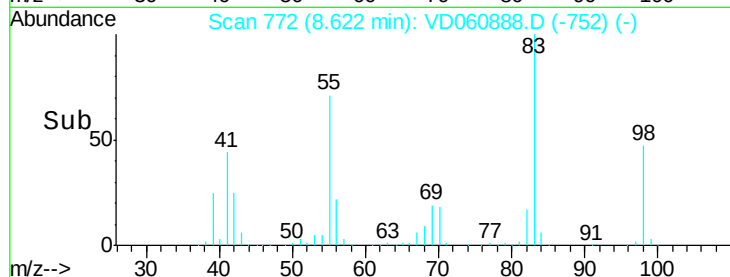
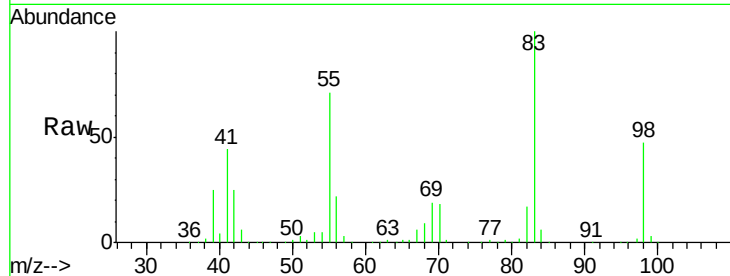




#39
Methylvlcyclohexane
Concen: 49.584 ug/l
RT: 8.62 min Scan# 772
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

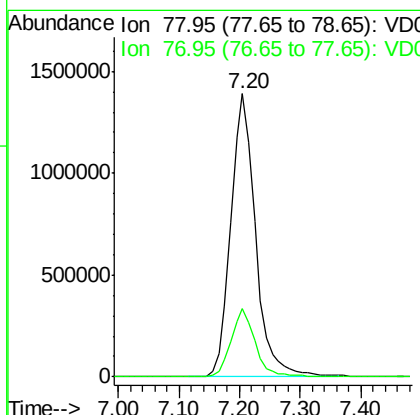
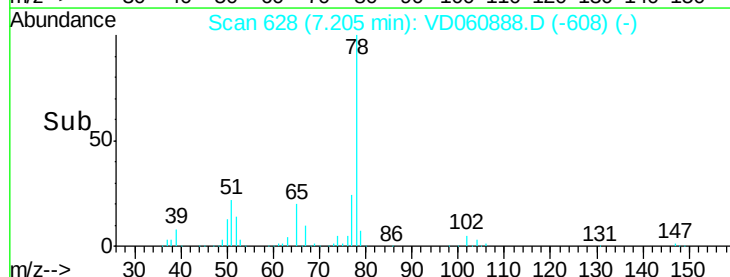
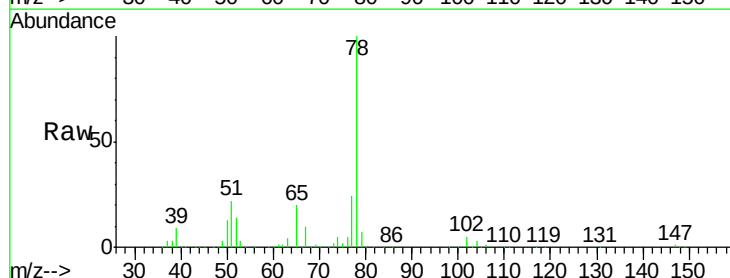
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

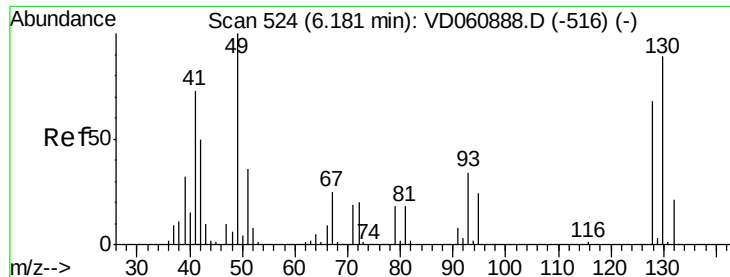
Tot Ion: 83 Resp: 1653062
Ion Ratio Lower Upper
83 100
55 71.4 57.1 85.7
98 46.9 37.5 56.3



#40
Benzene
Concen: 50.993 ug/l
RT: 7.20 min Scan# 628
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion: 78 Resp: 3955704
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

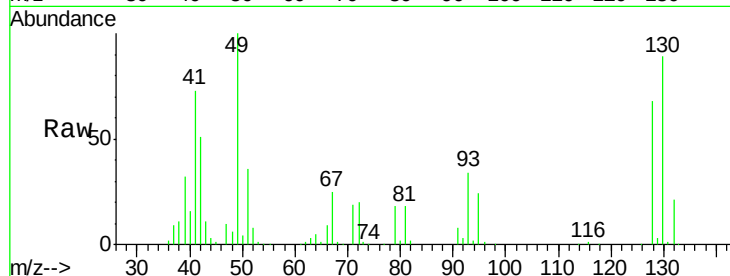




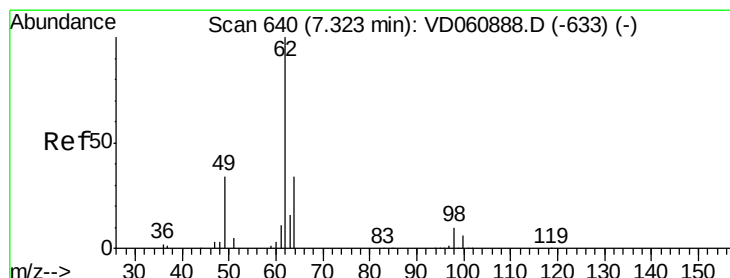
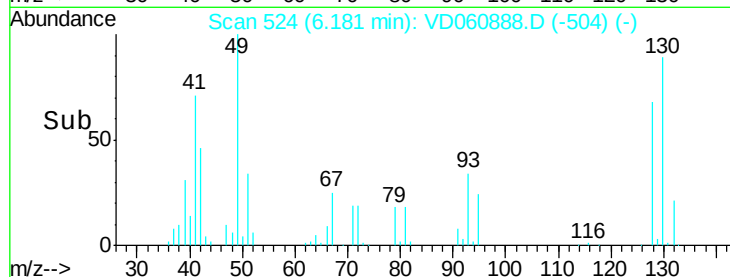
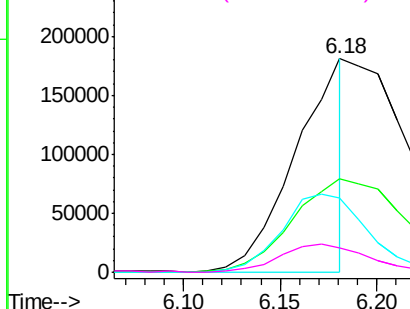
#41
Methacrylonitrile
Concen: 28.543 ug/l m
RT: 6.18 min Scan# 524
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 41 Resp: 342799
Ion Ratio Lower Upper
41 100
39 43.9 35.1 52.7
67 35.0 28.0 42.0
52 11.5 9.2 13.8

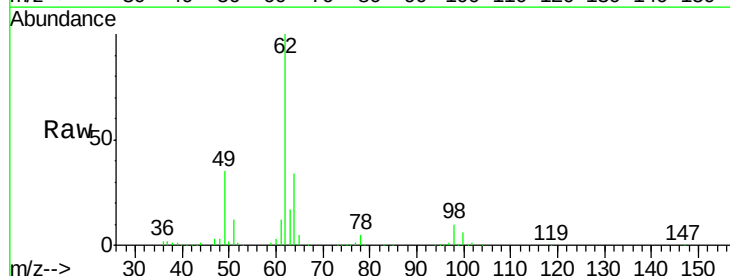


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

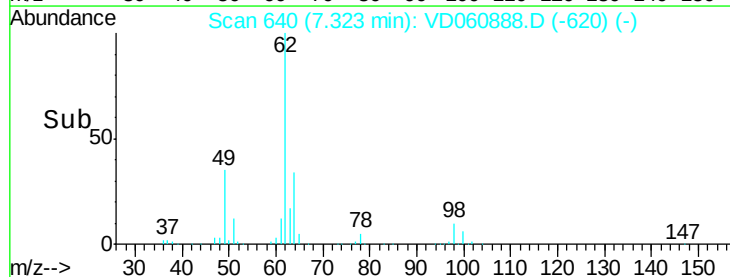
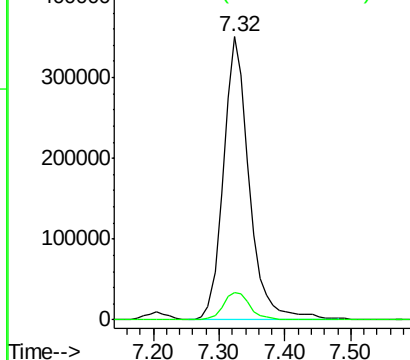


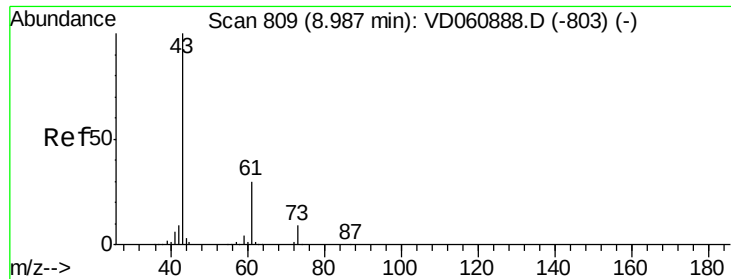
#42
1,2-Dichloroethane
Concen: 32.132 ug/l
RT: 7.32 min Scan# 640
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion: 62 Resp: 957788
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 39.743 ug/l

RT: 8.99 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

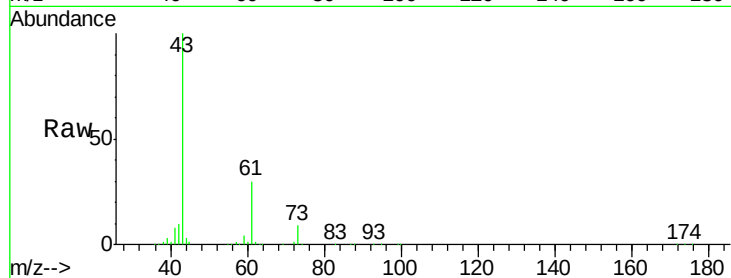
Tot Ion: 43 Resp: 888760

Ion Ratio Lower Upper

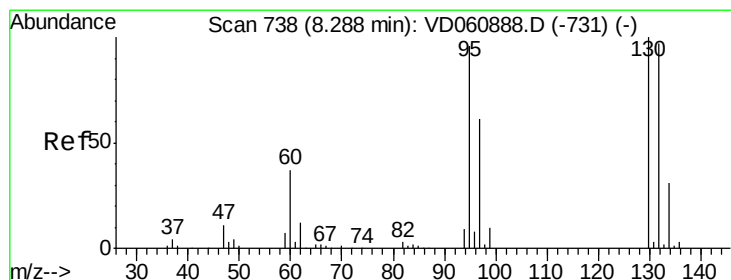
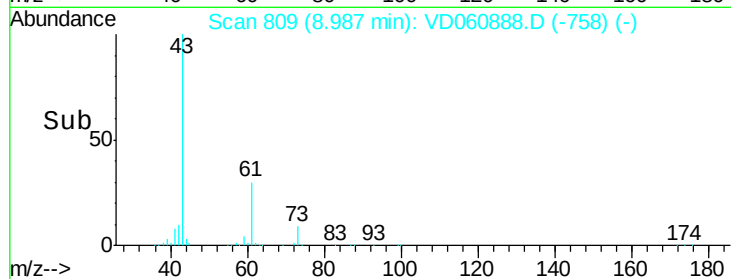
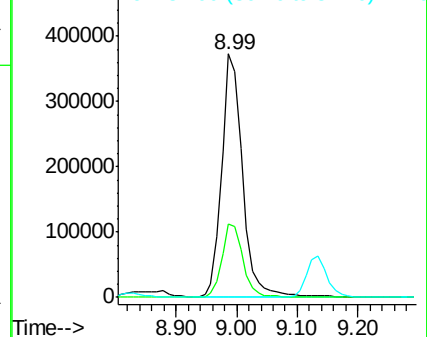
43 100

61 29.9 23.9 35.9

87 0.3 0.2 0.4



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: 49.777 ug/l

RT: 8.29 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD060888.D

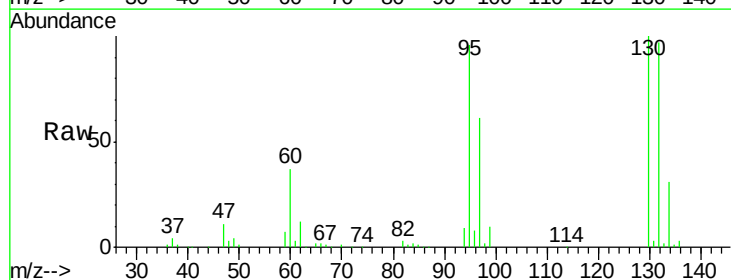
Acq: 21 Feb 2019 18:24

Tgt Ion:130 Resp: 1150184

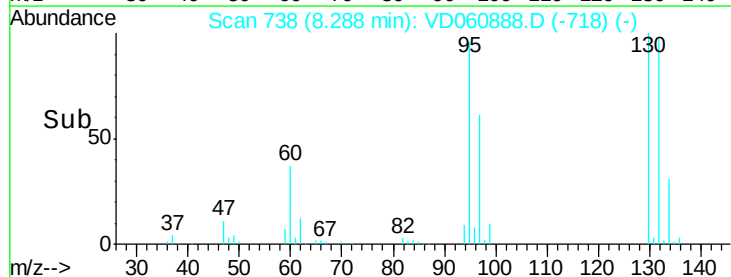
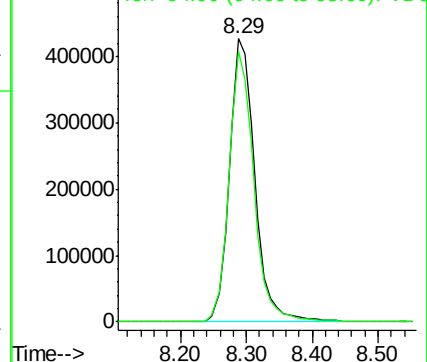
Ion Ratio Lower Upper

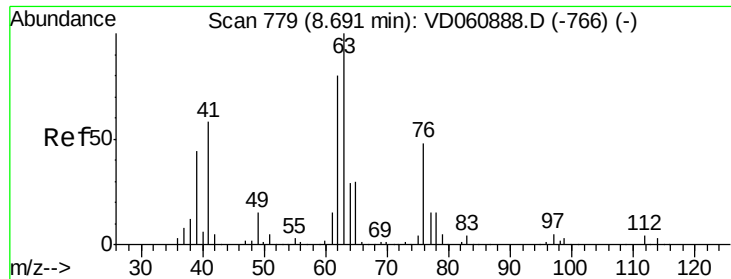
130 100

95 95.6 0.0 191.2



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

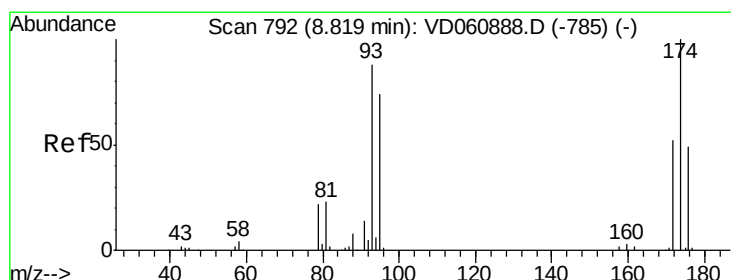
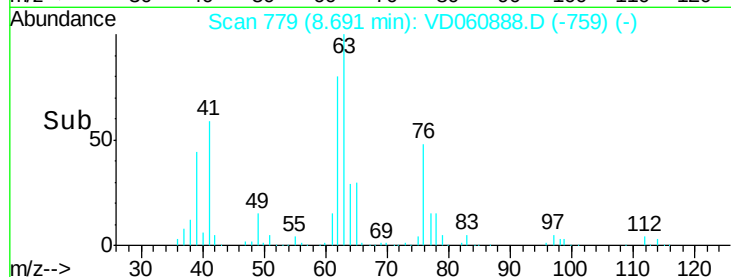
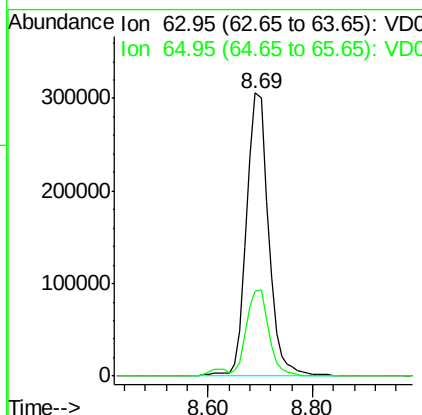
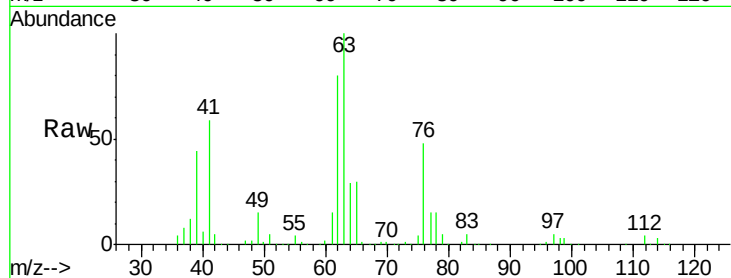




#45
 1,2-Dichloropropane
 Concen: 41.933 ug/l
 RT: 8.69 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

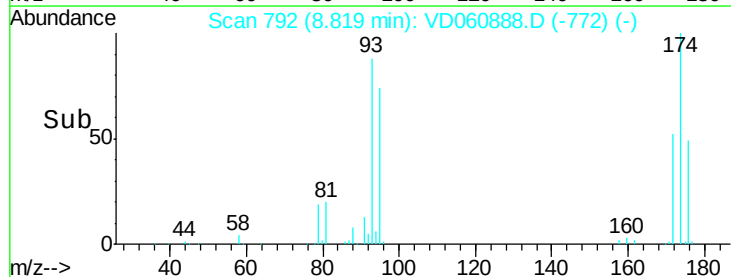
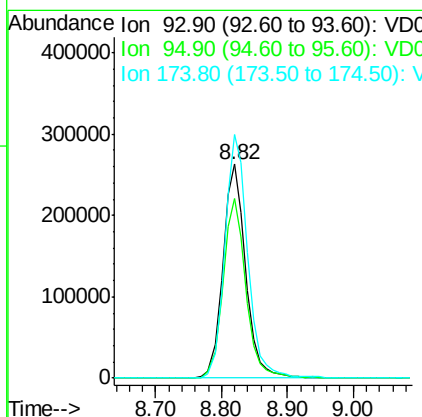
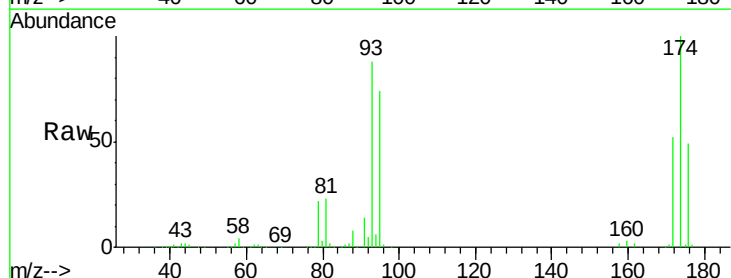
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

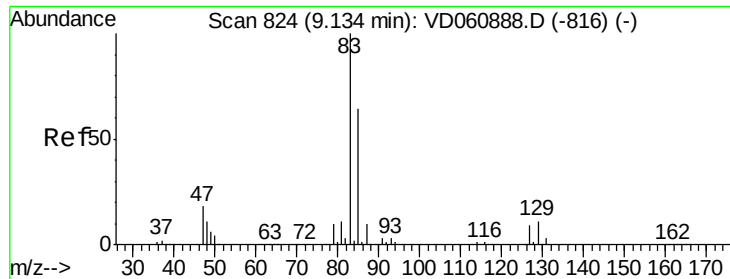
Tot Ion: 63 Resp: 868426
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.1 36.1



#46
 Dibromomethane
 Concen: 47.887 ug/l
 RT: 8.82 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion: 93 Resp: 635959
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.2 100.8
 174 113.9 91.1 136.7

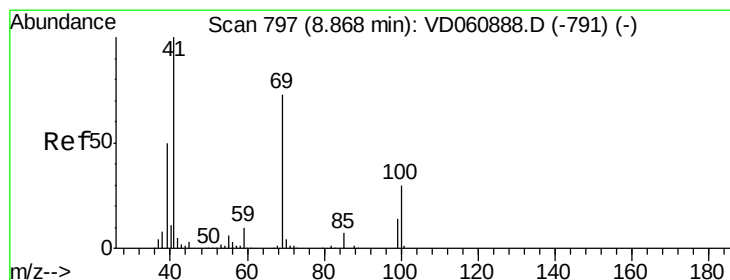
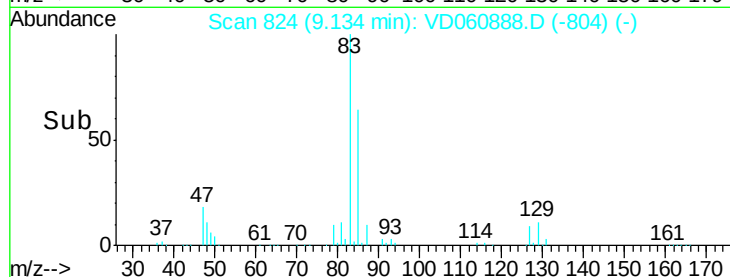
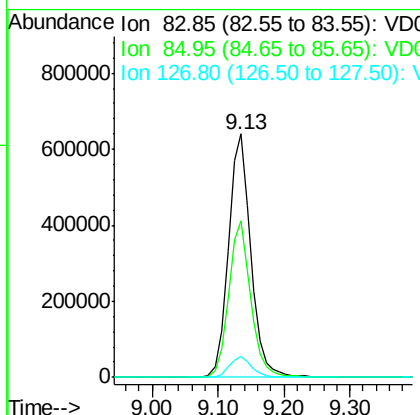
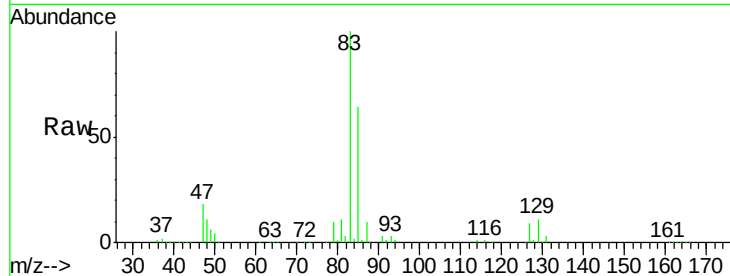




#47
Bromodichloromethane
Concen: 45.900 ug/l
RT: 9.13 min Scan# 824
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

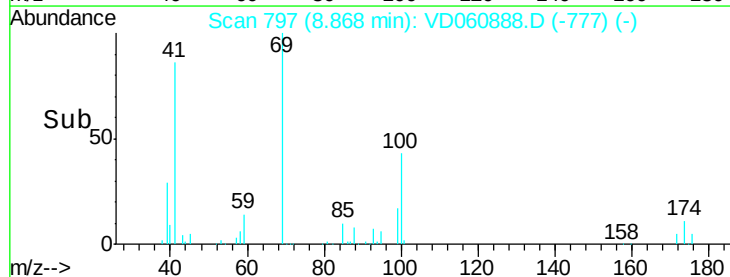
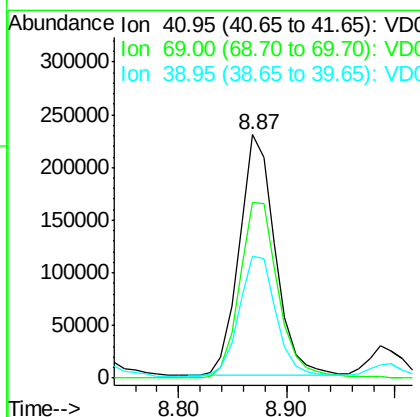
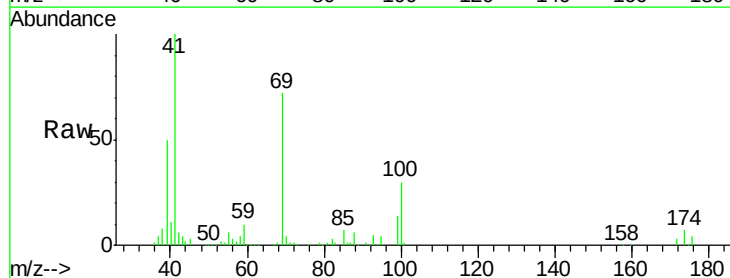
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

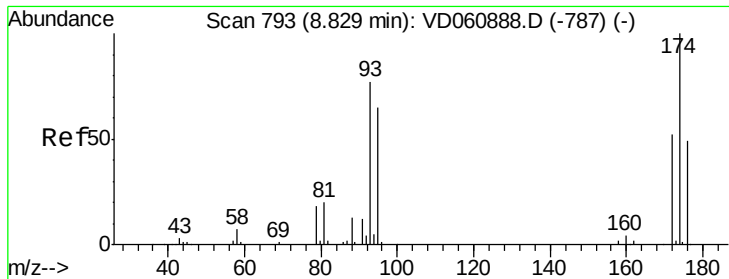
Tot Ion: 83 Resp: 1525333
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9
127 8.6 6.9 10.3



#48
Methyl methacrylate
Concen: 34.931 ug/l
RT: 8.87 min Scan# 797
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion: 41 Resp: 526425
Ion Ratio Lower Upper
41 100
69 72.2 57.8 86.6
39 50.0 40.0 60.0

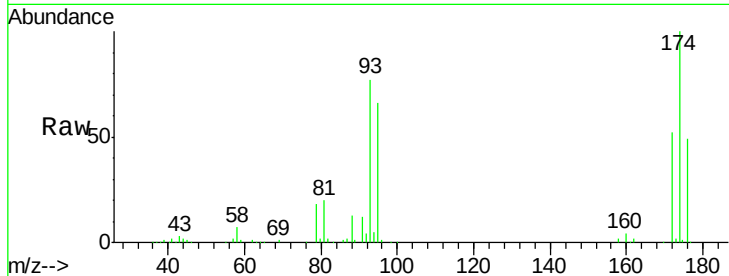




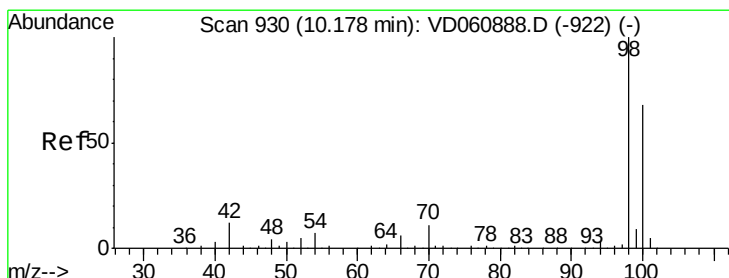
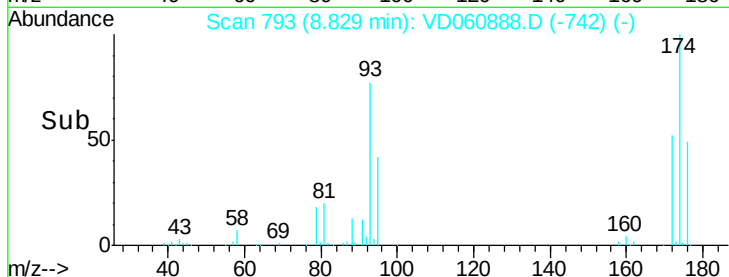
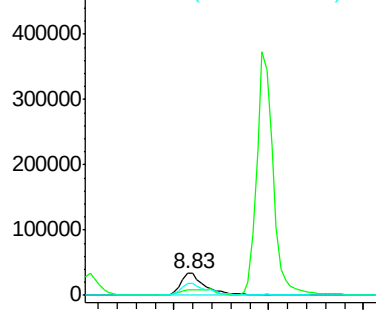
#49
 1,4-Dioxane
 Concen: 1130.390 ug/l
 RT: 8.83 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 88 Resp: 126326
 Ion Ratio Lower Upper
 88 100
 43 27.0 21.6 32.4
 58 53.8 43.0 64.6

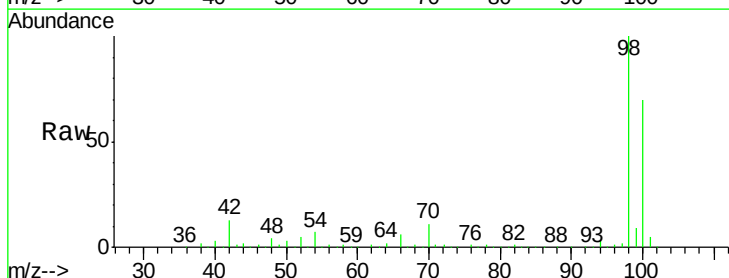


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

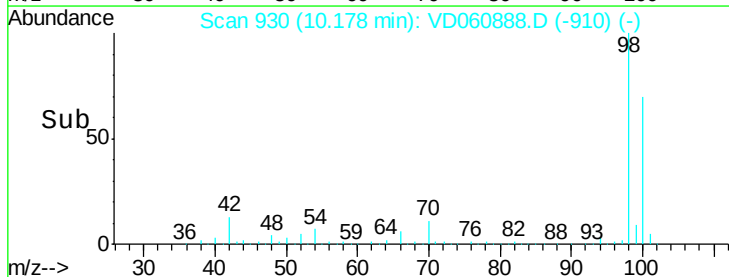
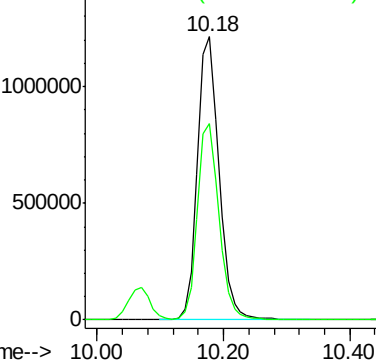


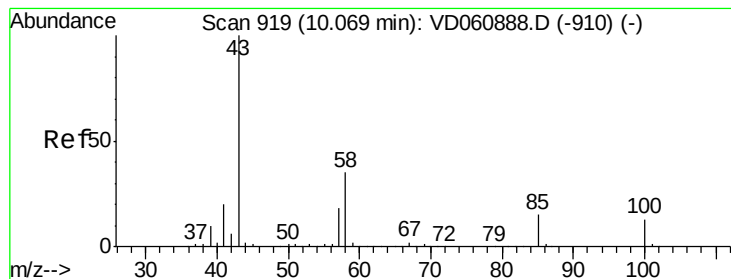
#50
 Toluene-d8
 Concen: 1130.390 ug/l
 RT: 10.18 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion: 98 Resp: 2877893
 Ion Ratio Lower Upper
 98 100
 100 69.6 55.7 83.5



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: 195.243 ug/l

RT: 10.07 min Scan# 919

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

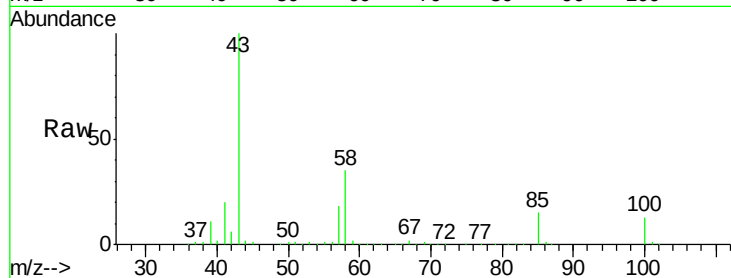
VSTDICCC050

Tot Ion: 43 Resp: 2812809

Ion Ratio Lower Upper

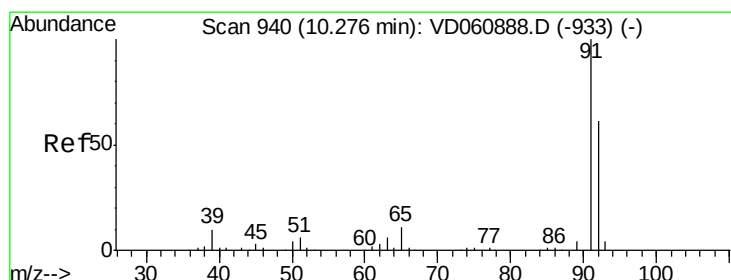
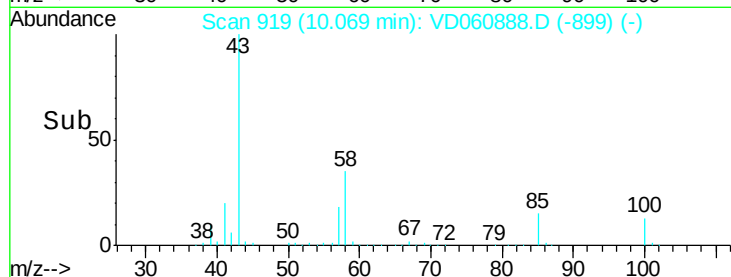
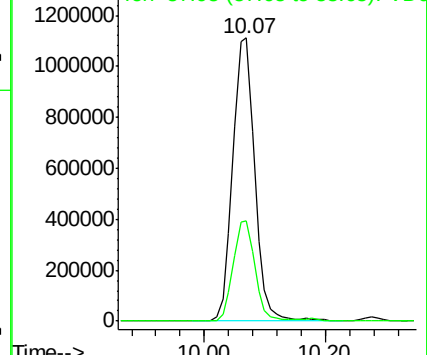
43 100

58 35.4 28.3 42.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.183 ug/l

RT: 10.28 min Scan# 940

Delta R.T. 0.00 min

Lab File: VD060888.D

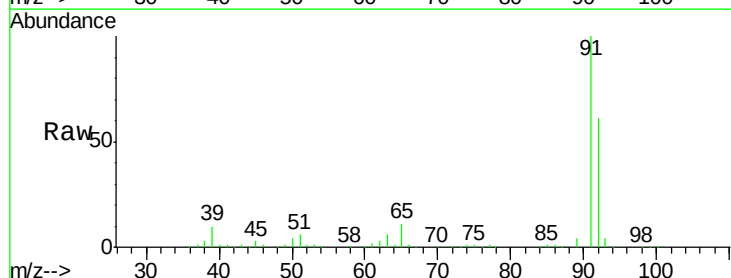
Acq: 21 Feb 2019 18:24

Tgt Ion: 92 Resp: 2240845

Ion Ratio Lower Upper

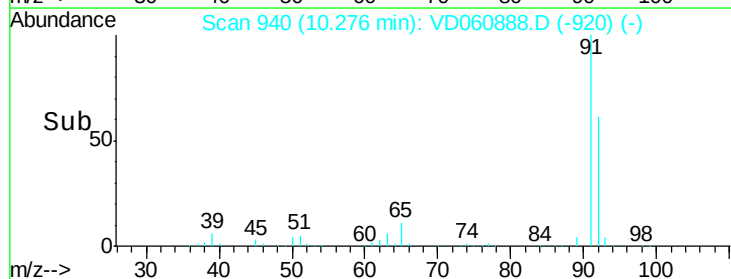
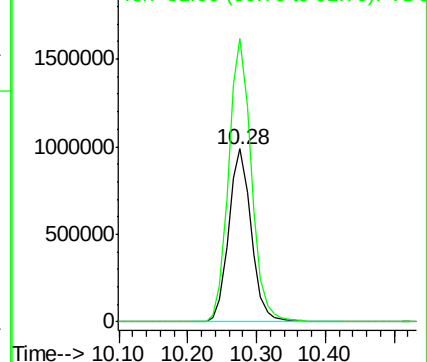
92 100

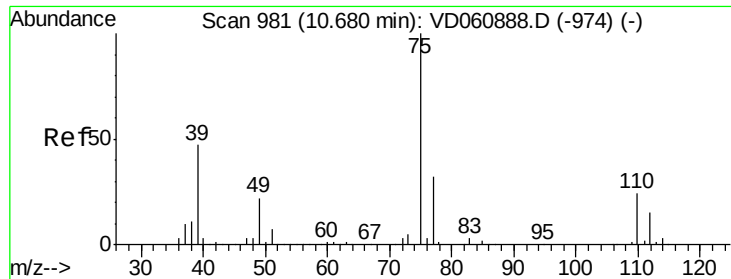
91 163.6 130.9 196.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

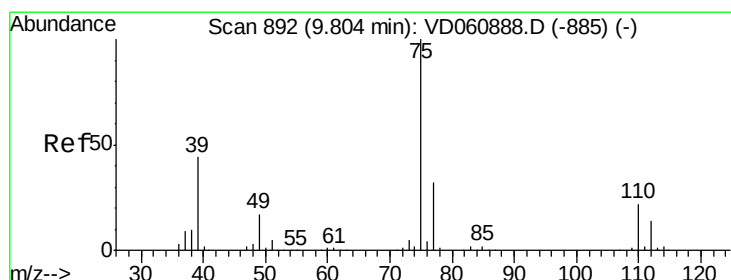
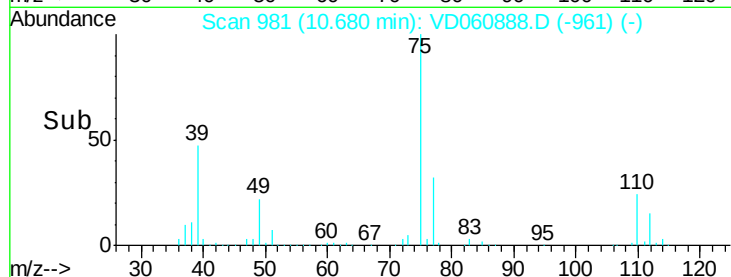
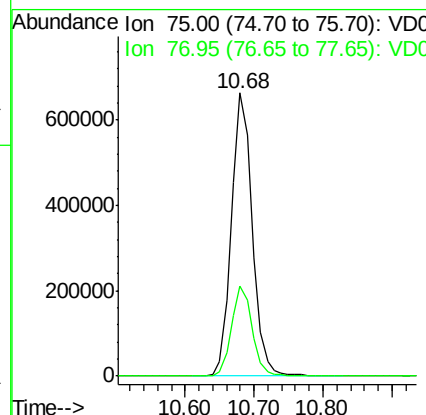
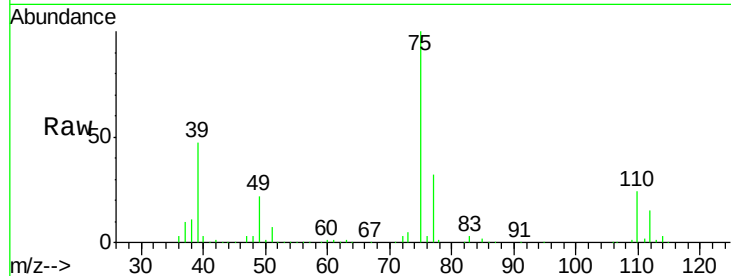




#53
 t-1,3-Dichloropropene
 Concen: 46.755 ug/l
 RT: 10.68 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

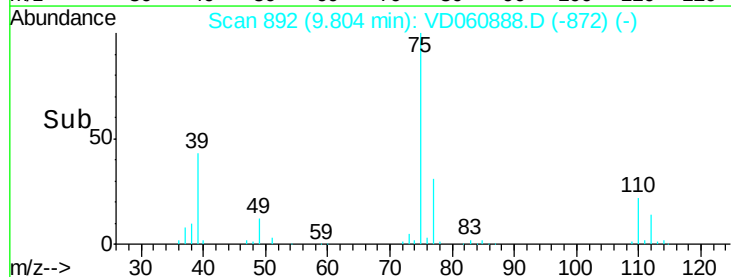
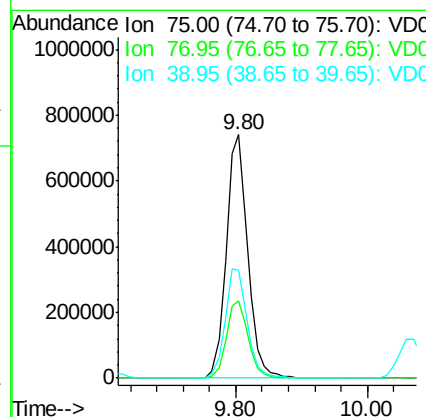
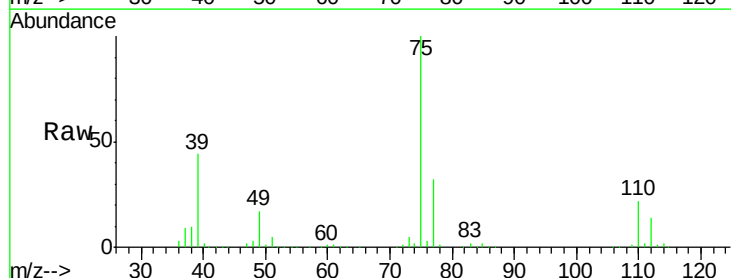
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

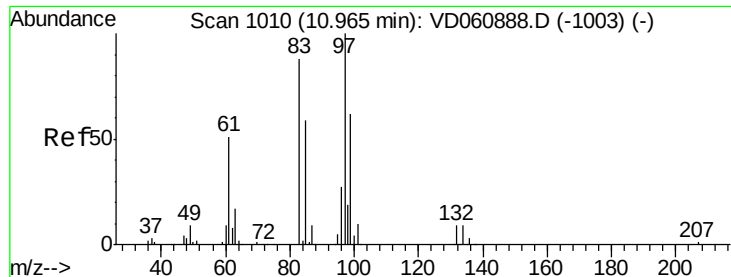
Tot Ion: 75 Resp: 1390522
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 49.323 ug/l
 RT: 9.80 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion: 75 Resp: 1682632
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9
 39 44.3 35.4 53.2

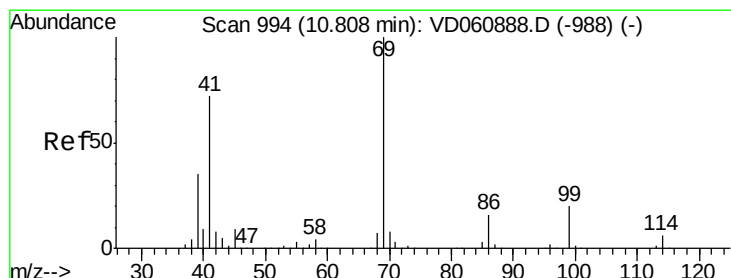
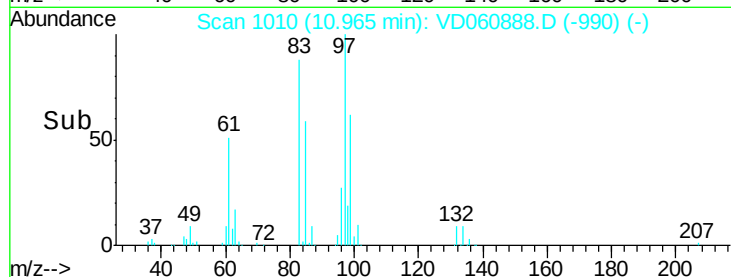
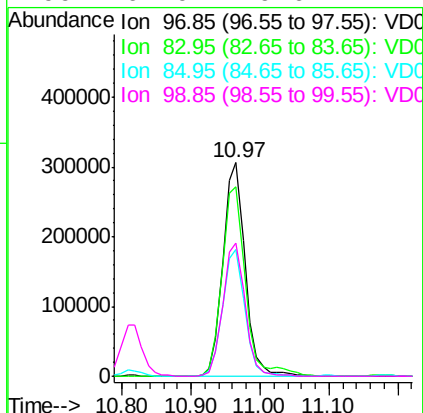
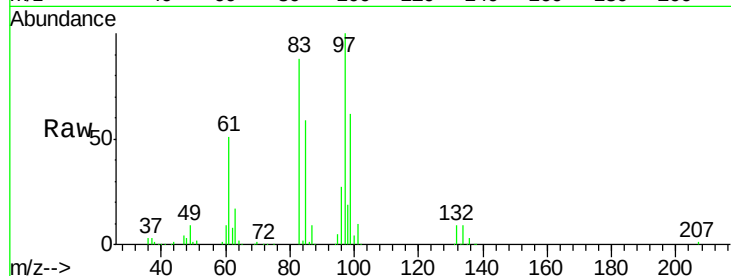




#55
 1,1,2-Trichloroethane
 Concen: 51.463 ug/l
 RT: 10.97 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

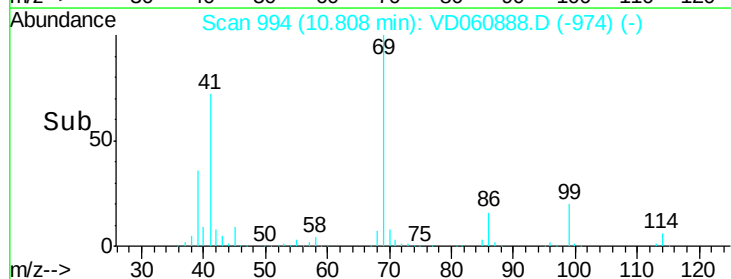
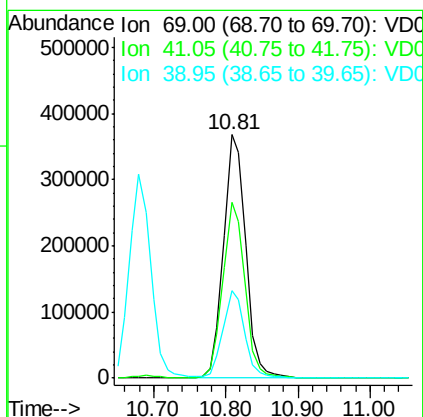
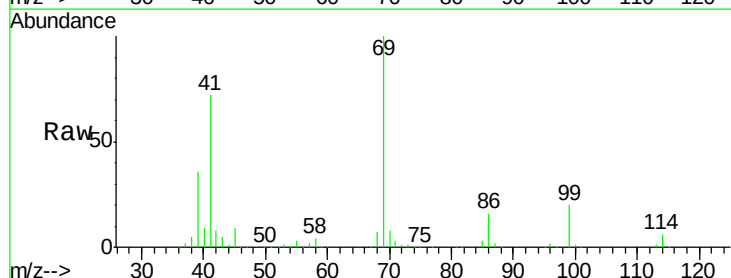
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

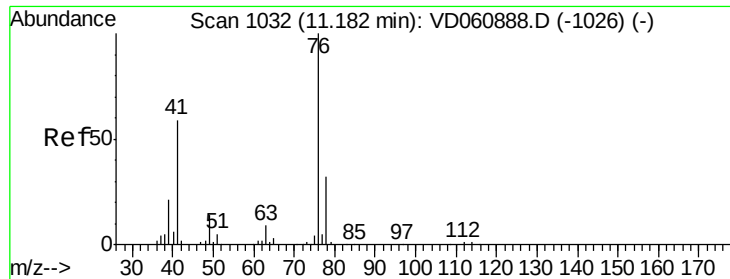
Tot Ion:	97	Resp:	682574
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.8	106.2
85	59.5	47.6	71.4
99	62.0	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 46.562 ug/l
 RT: 10.81 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion:	69	Resp:	789745
Ion	Ratio	Lower	Upper
69	100		
41	72.3	57.8	86.8
39	35.8	28.6	43.0

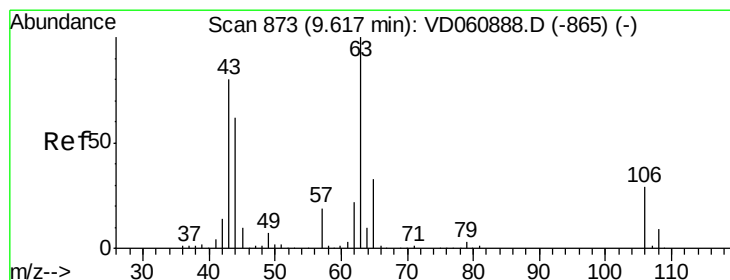
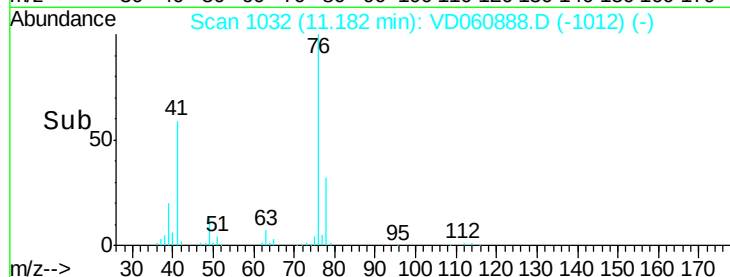
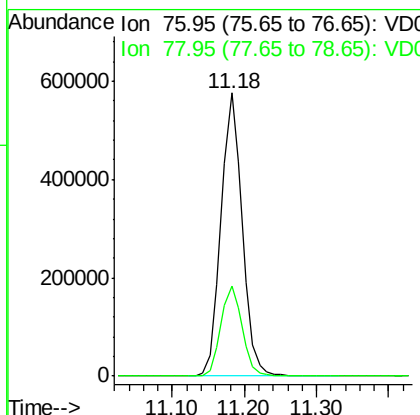
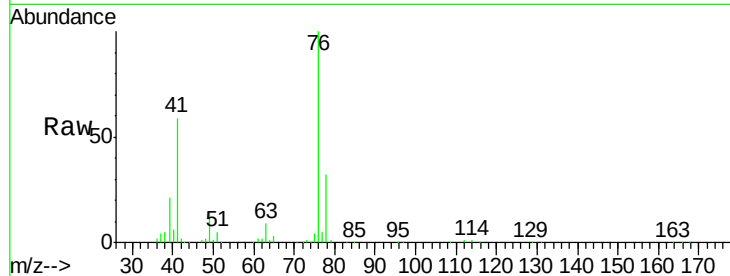




#57
 1,3-Dichloropropane
 Concen: 48.284 ug/l
 RT: 11.18 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

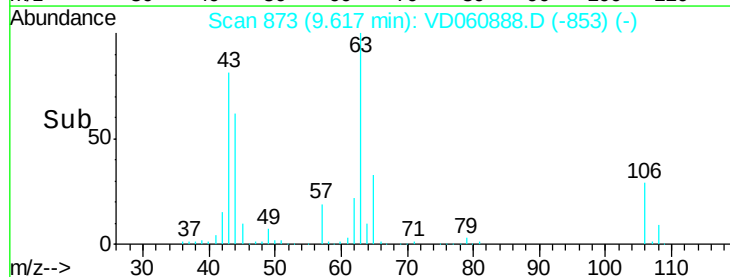
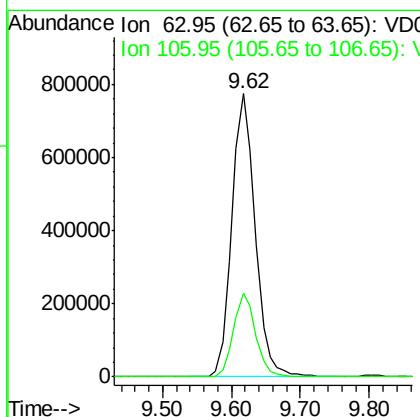
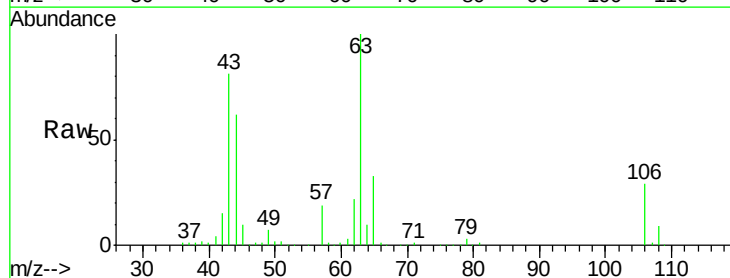
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

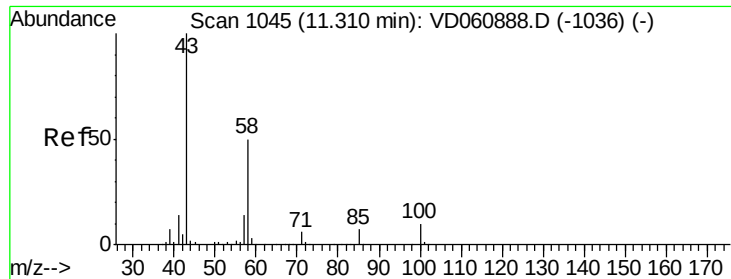
Tot Ion: 76 Resp: 1170928
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 212.252 ug/l
 RT: 9.62 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion: 63 Resp: 1815629
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.5 35.3





#59

2-Hexanone

Concen: 187.965 ug/l

RT: 11.31 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

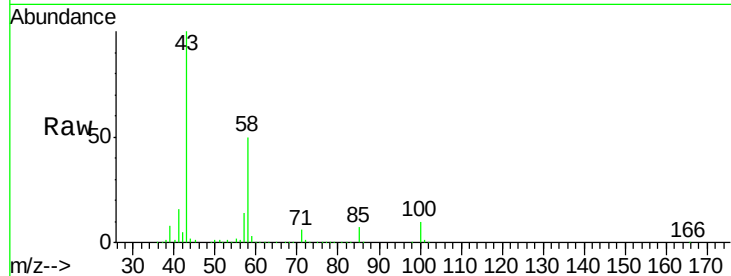
VSTDICCC050

Tot Ion: 43 Resp: 1994566

Ion Ratio Lower Upper

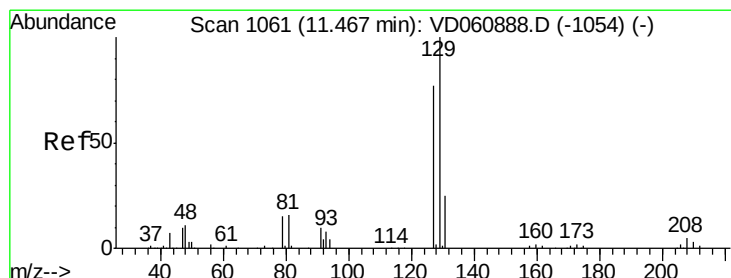
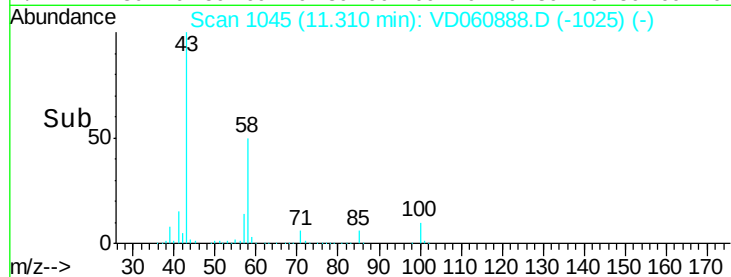
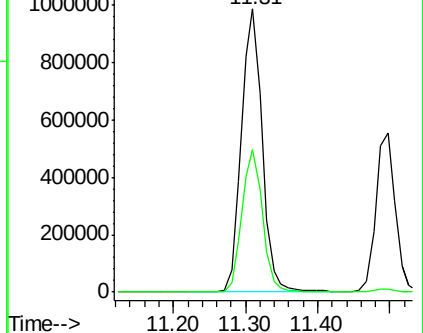
43 100

58 50.2 25.1 75.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 47.237 ug/l

RT: 11.47 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VD060888.D

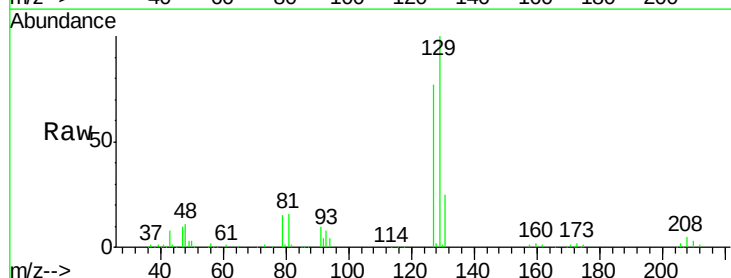
Acq: 21 Feb 2019 18:24

Tgt Ion:129 Resp: 1009514

Ion Ratio Lower Upper

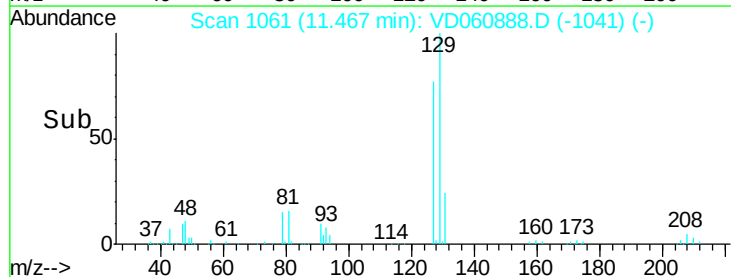
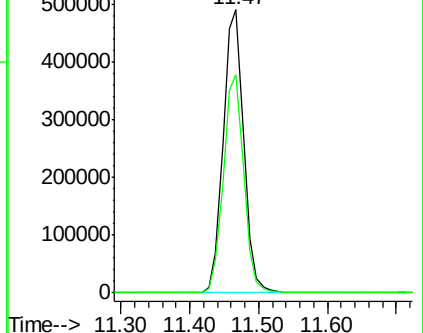
129 100

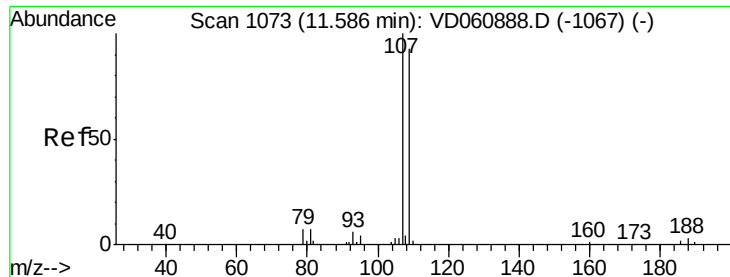
127 76.8 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

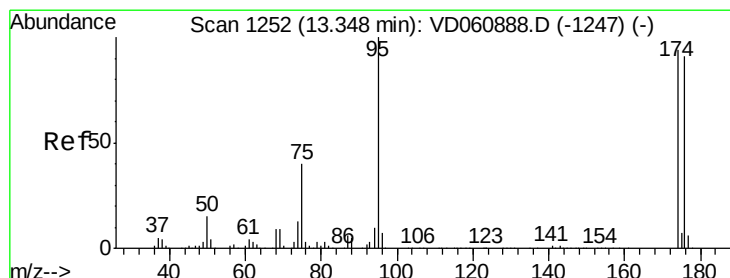
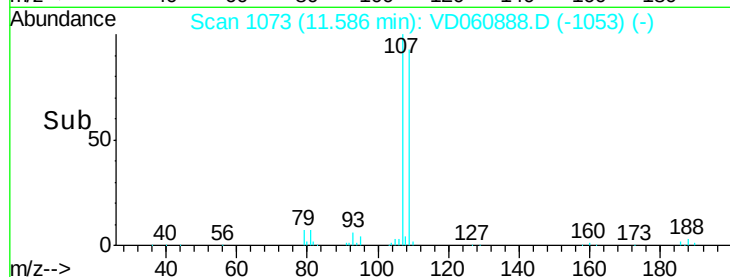
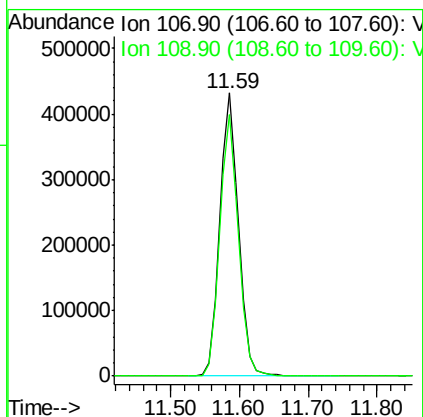
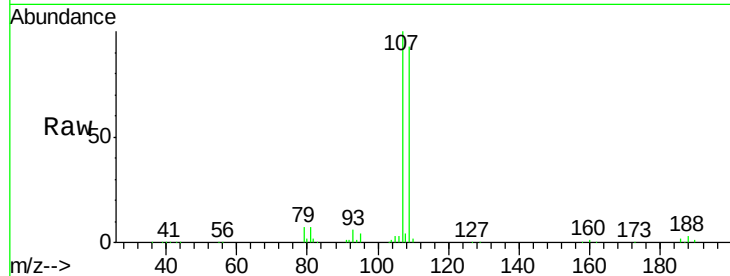




#61
 1,2-Dibromoethane
 Concen: 51.533 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

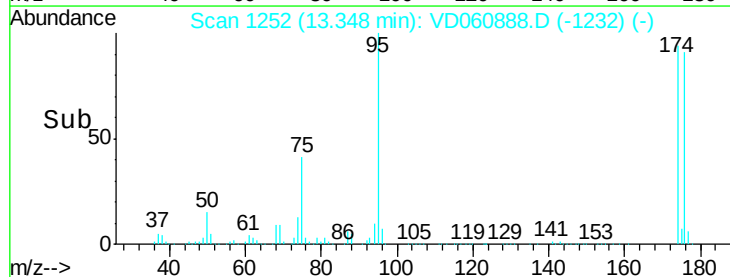
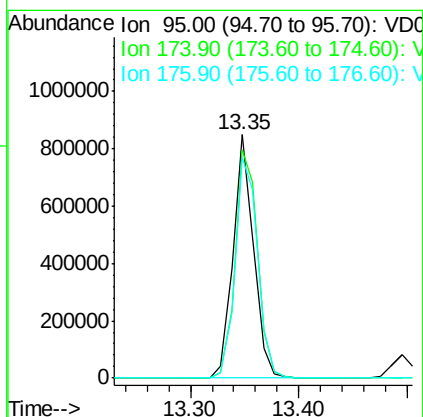
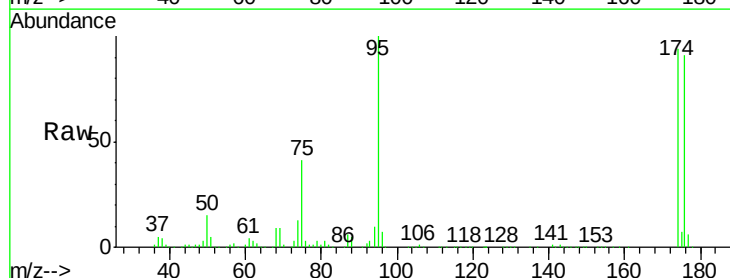
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

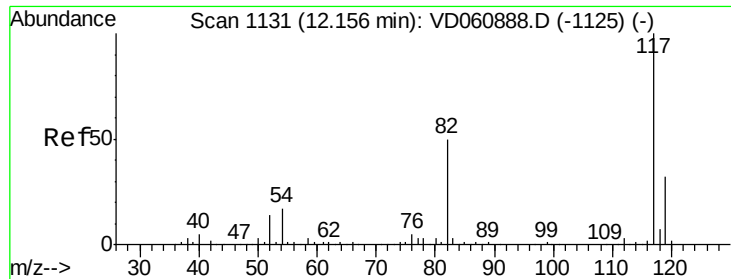
Tot Ion:107 Resp: 809914
 Ion Ratio Lower Upper
 107 100
 109 92.6 74.1 111.1



#62
 4-Bromofluorobenzene
 Concen: 51.533 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion: 95 Resp: 1122559
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 188.0
 176 90.6 0.0 181.2

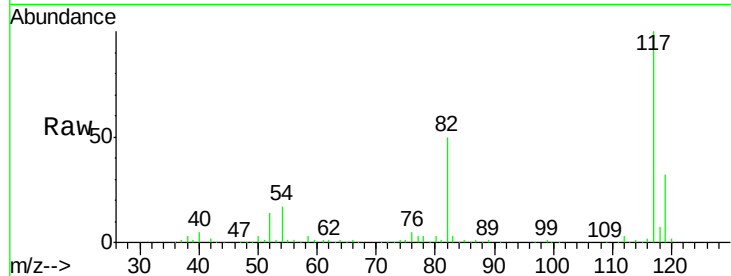




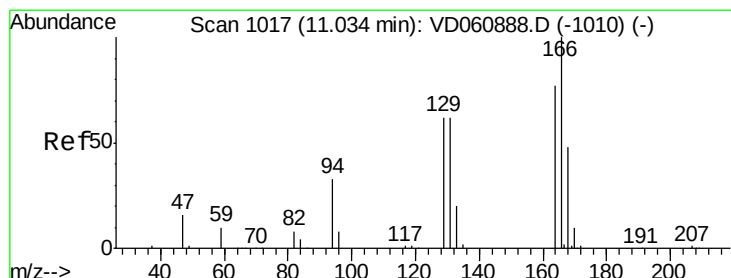
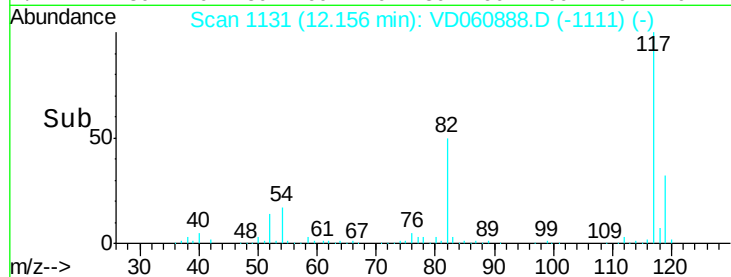
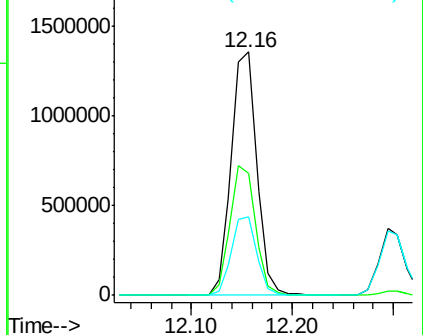
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 2389005
Ion Ratio Lower Upper
117 100
82 50.4 40.3 60.5
119 32.2 25.8 38.6

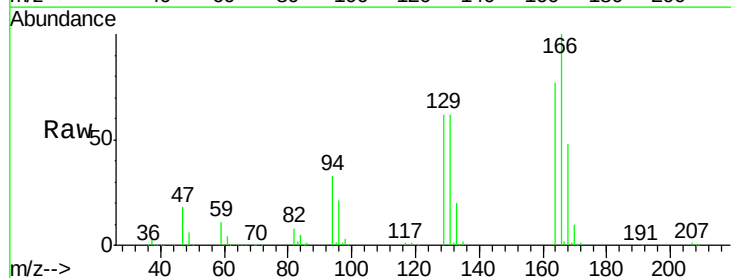


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

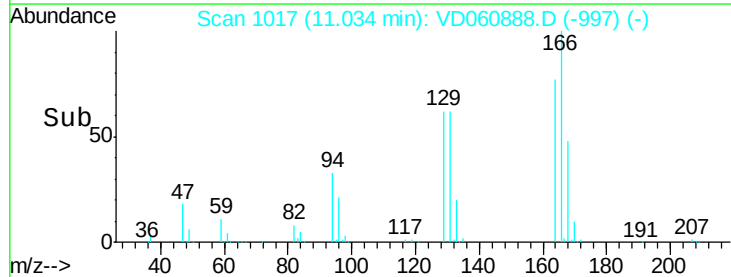
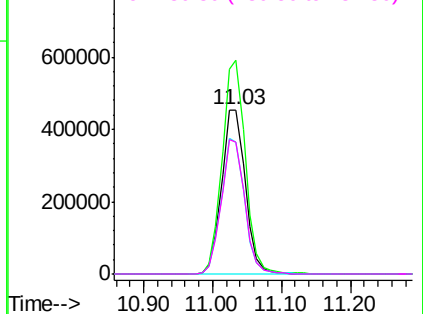


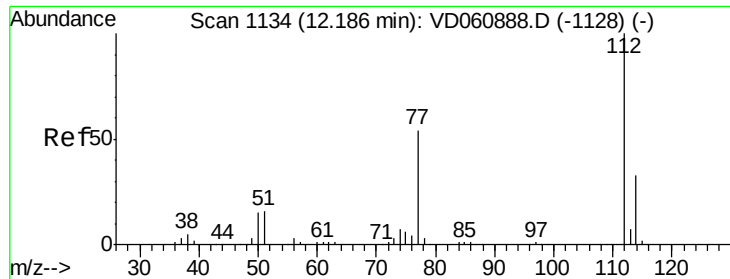
#64
Tetrachloroethene
Concen: 48.358 ug/l
RT: 11.03 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion:164 Resp: 1085359
Ion Ratio Lower Upper
164 100
166 129.9 103.9 155.9
129 80.5 64.4 96.6
131 80.3 64.2 96.4



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

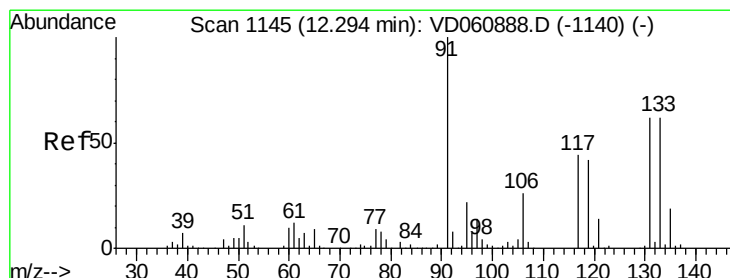
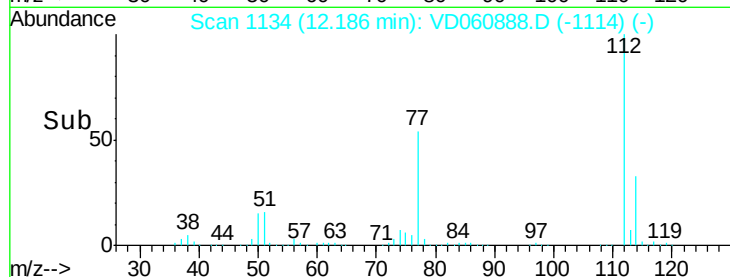
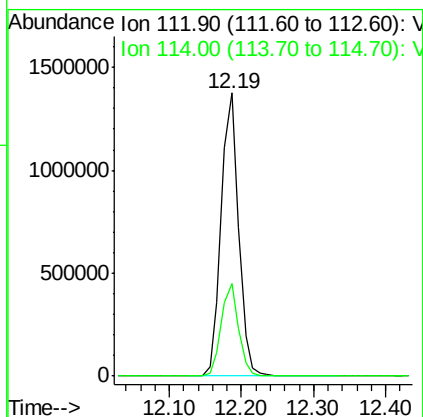
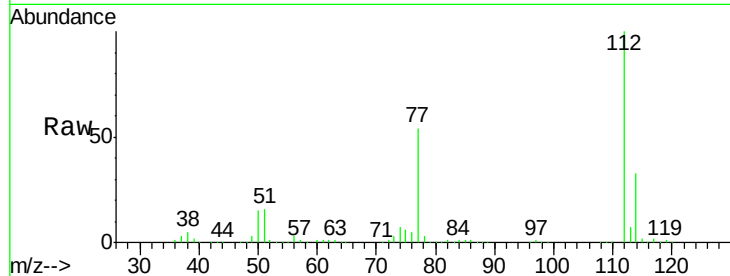




#65
Chlorobenzene
Concen: 46.378 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

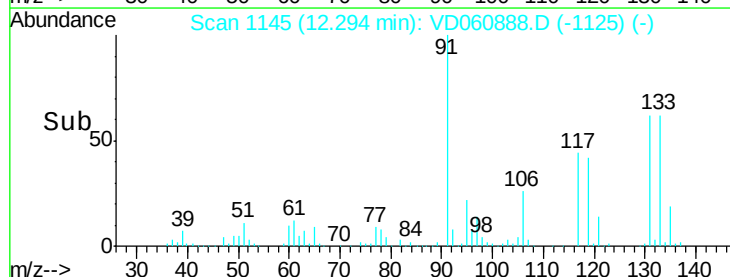
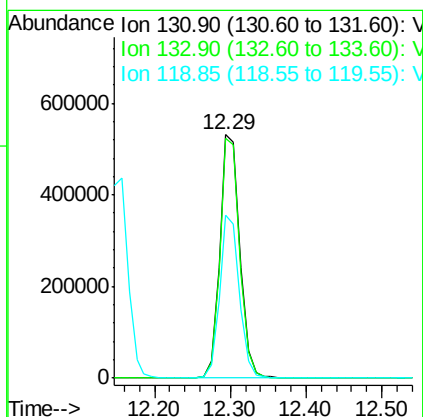
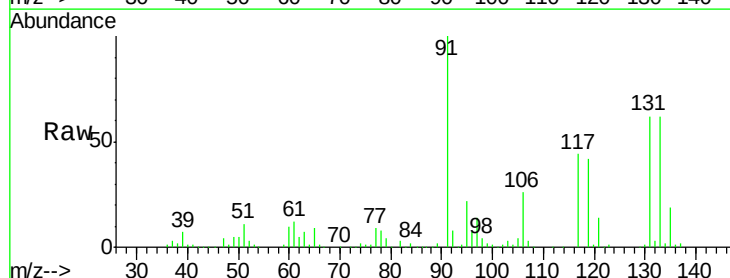
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

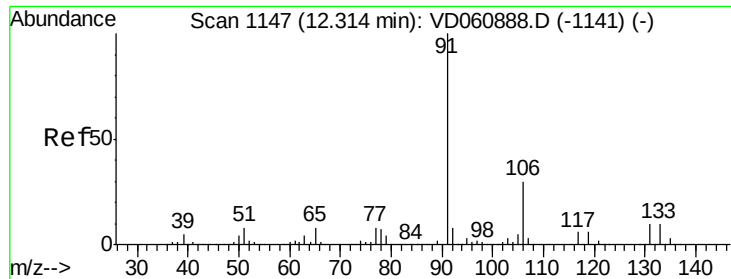
Tot Ion:112 Resp: 2301075
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 45.503 ug/l
RT: 12.29 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion:131 Resp: 975469
Ion Ratio Lower Upper
131 100
133 98.6 49.3 147.9
119 67.0 33.5 100.5

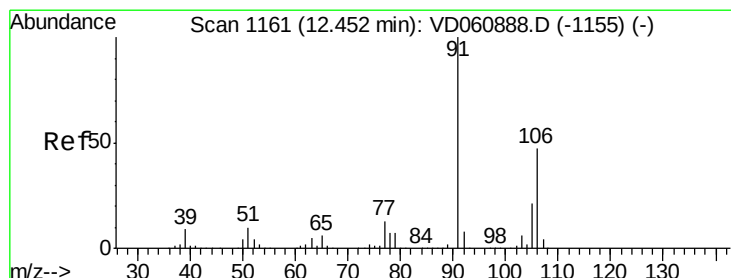
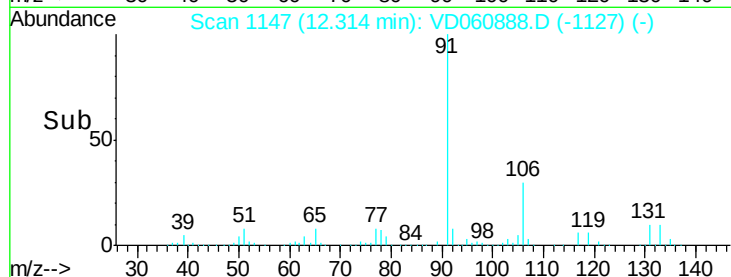
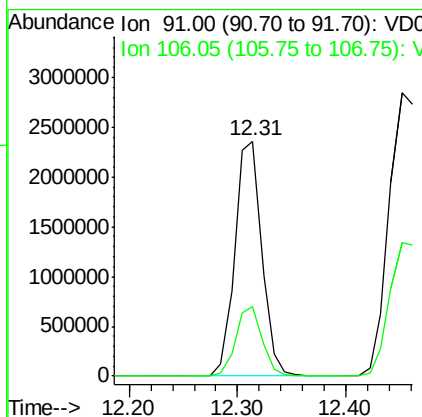
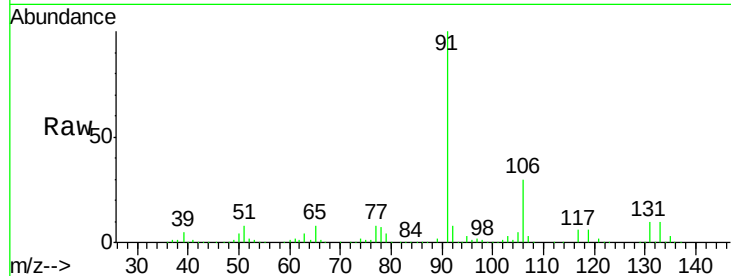




#67
Ethyl Benzene
Concen: 43.664 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

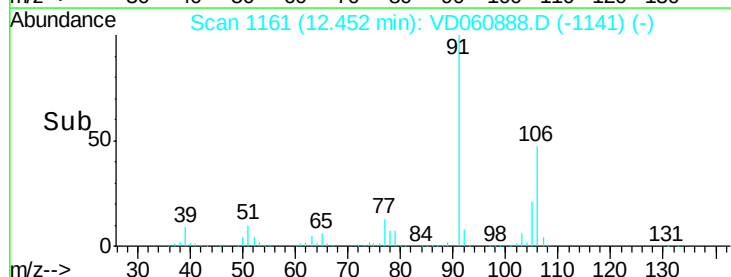
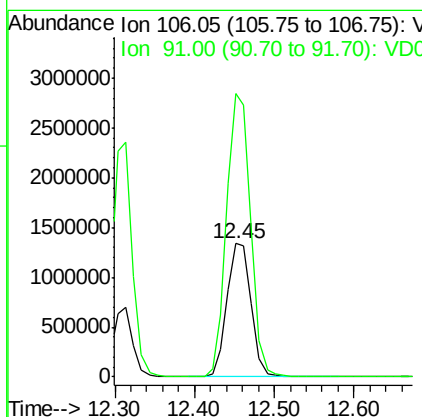
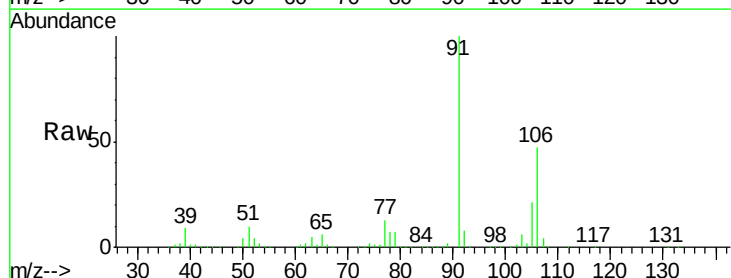
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

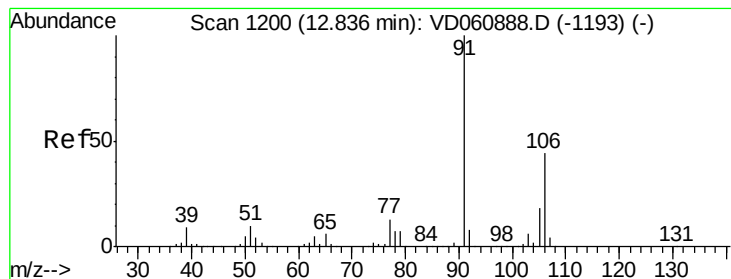
Tot Ion: 91 Resp: 4084600
Ion Ratio Lower Upper
91 100
106 29.6 23.7 35.5



#68
m/p-Xylenes
Concen: 90.528 ug/l
RT: 12.45 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion: 106 Resp: 2846247
Ion Ratio Lower Upper
106 100
91 212.0 169.6 254.4





#69

o-Xylene

Concen: 46.029 ug/l

RT: 12.84 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

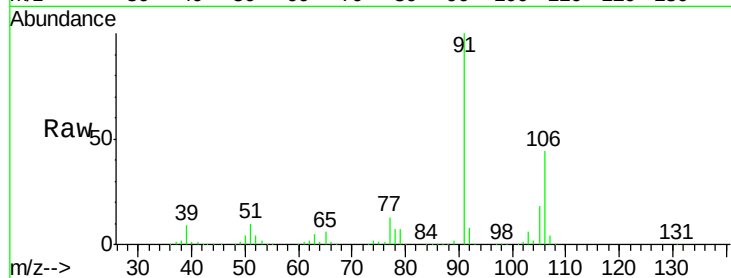
VSTDICCC050

Tot Ion:106 Resp: 1376445

Ion Ratio Lower Upper

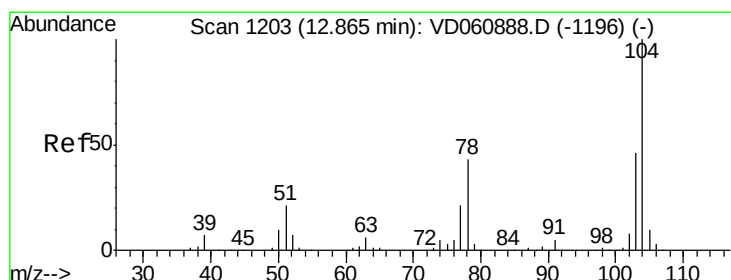
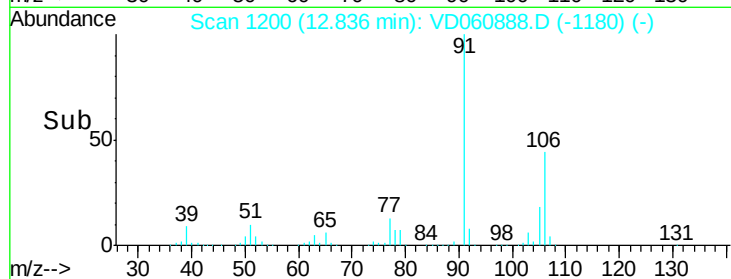
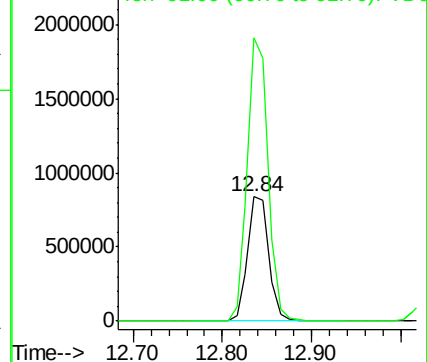
106 100

91 227.4 113.7 341.1



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 47.231 ug/l

RT: 12.87 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

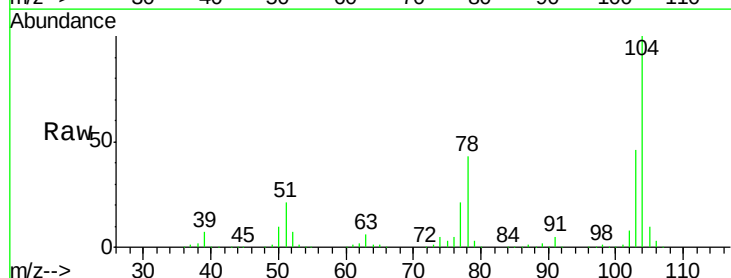
Tgt Ion:104 Resp: 2280101

Ion Ratio Lower Upper

104 100

78 43.4 34.7 52.1

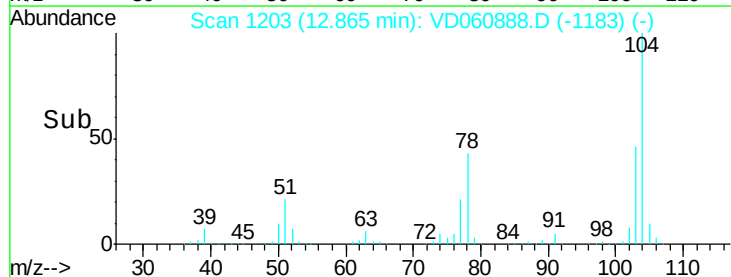
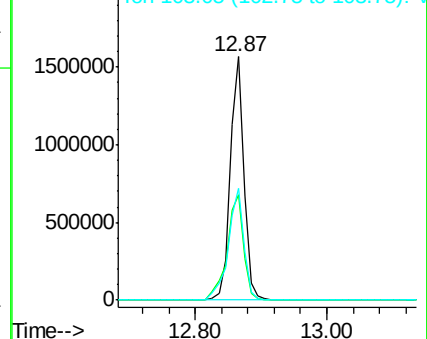
103 45.8 36.6 55.0

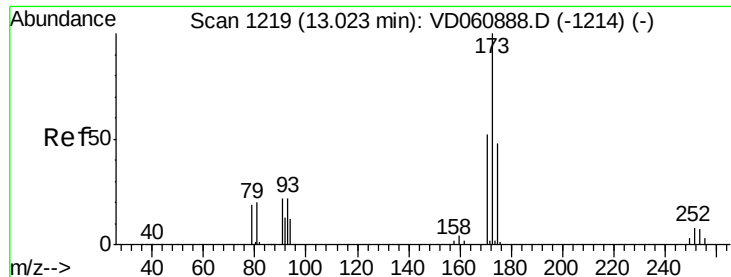


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 46.580 ug/l

RT: 13.02 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

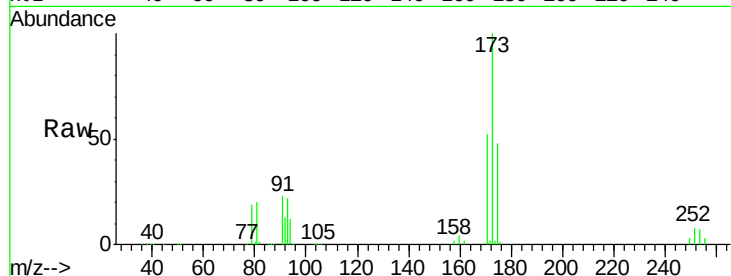
Tot Ion:173 Resp: 728909

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

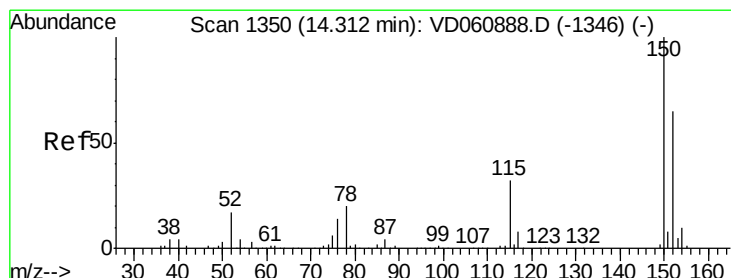
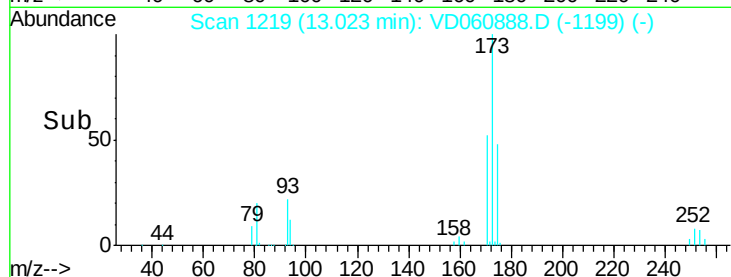
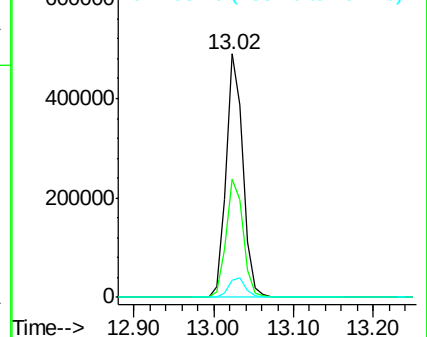
254 7.1 5.7 8.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.31 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

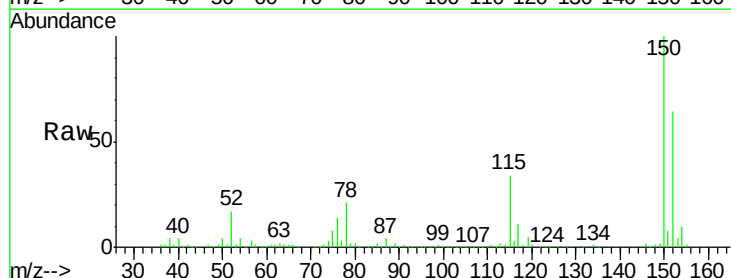
Tgt Ion:152 Resp: 1220768

Ion Ratio Lower Upper

152 100

115 52.6 26.3 78.9

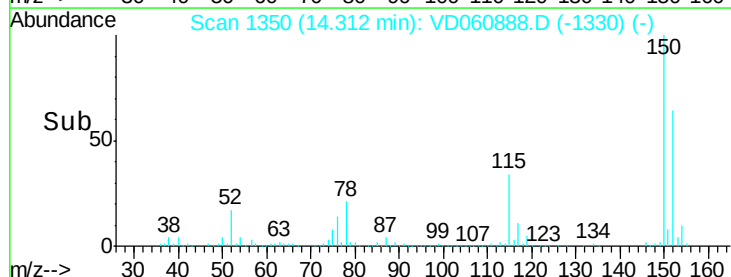
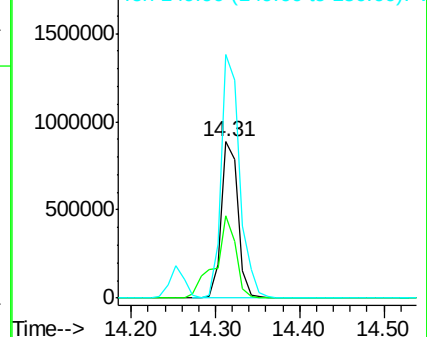
150 156.0 0.0 312.0

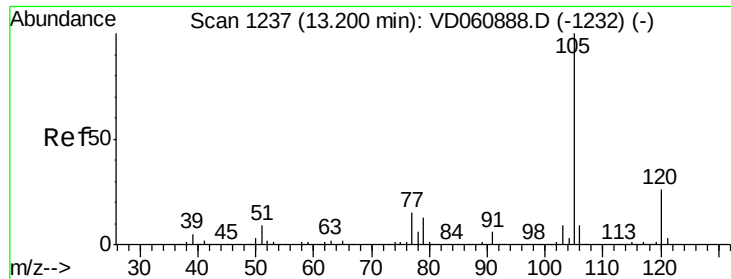


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 42.670 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

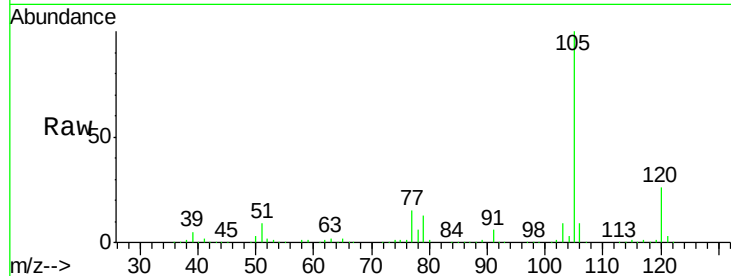
VSTDICCC050

Tot Ion:105 Resp: 3800801

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

3000000

2500000

2000000

1500000

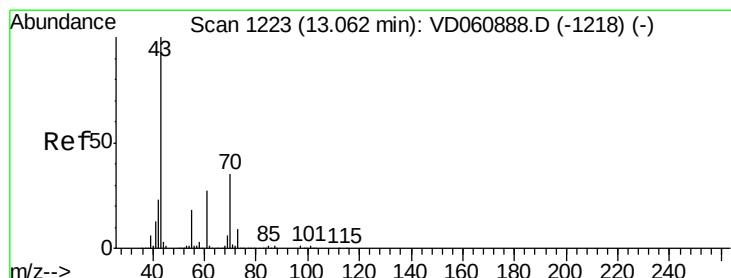
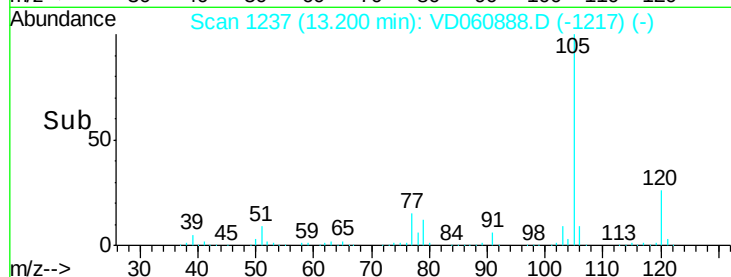
1000000

500000

0

13.10 13.20 13.30

Time-->



#74

N-ethyl acetate

Concen: 33.867 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Tgt Ion: 43 Resp: 1095026

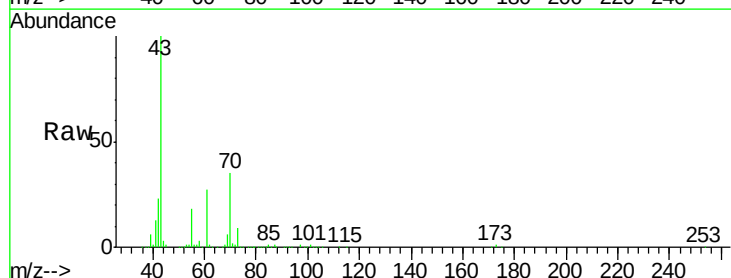
Ion Ratio Lower Upper

43 100

70 35.5 28.4 42.6

55 17.5 14.0 21.0

61 26.8 21.4 32.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

1200000

1000000

800000

600000

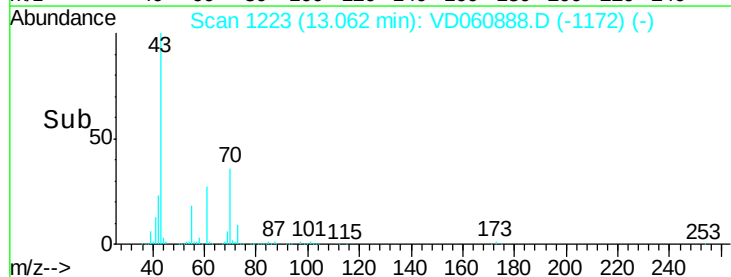
400000

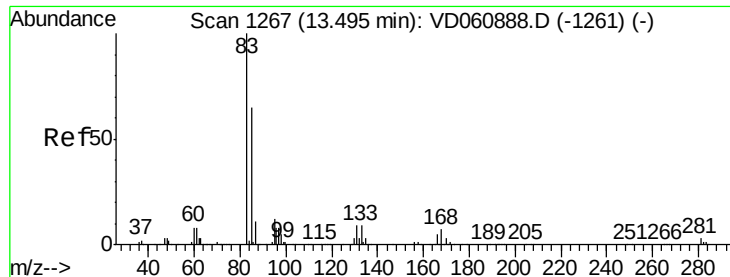
200000

0

13.00 13.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.056 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

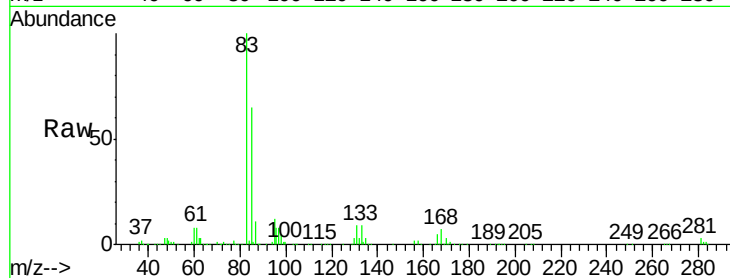
Tot Ion: 83 Resp: 883261

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.4

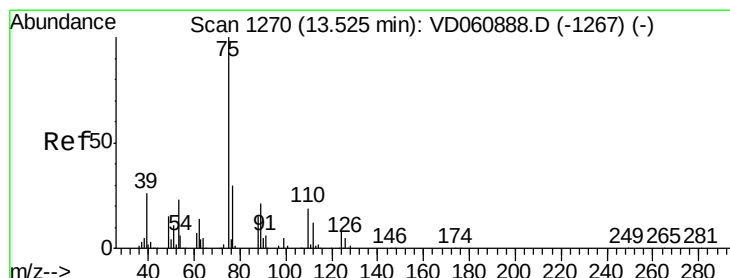
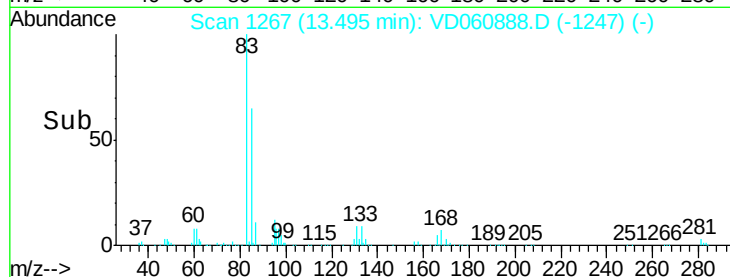
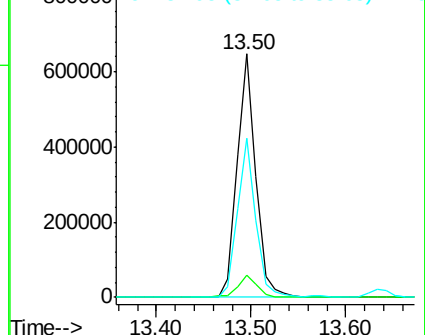
85 65.4 32.7 98.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 45.782 ug/l

RT: 13.52 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD060888.D

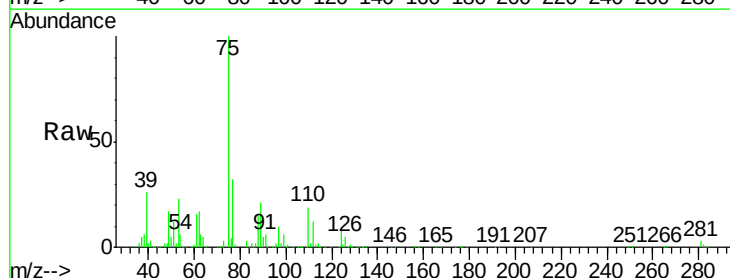
Acq: 21 Feb 2019 18:24

Tgt Ion: 75 Resp: 920324

Ion Ratio Lower Upper

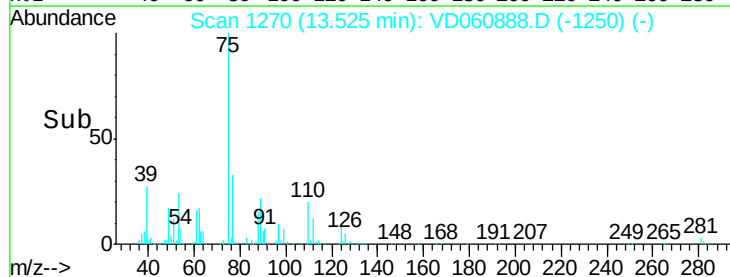
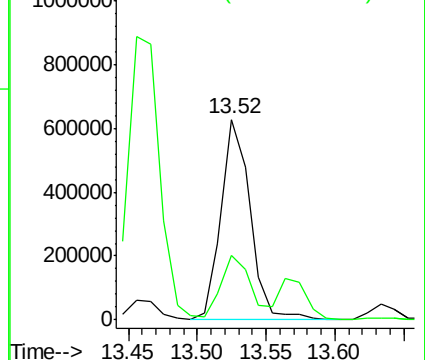
75 100

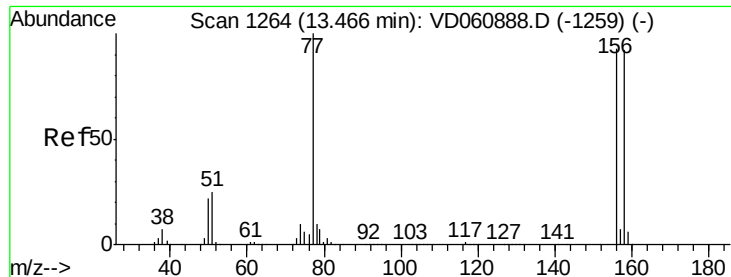
77 32.2 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

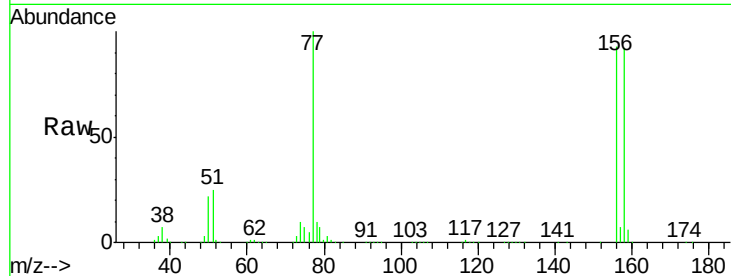




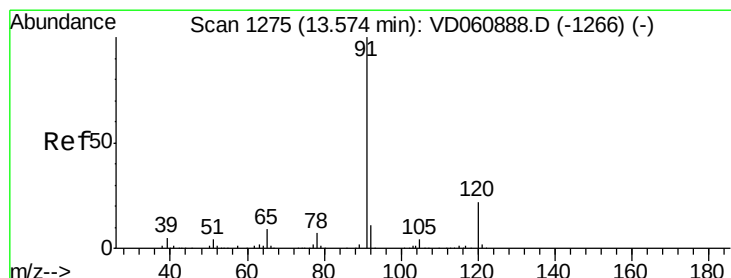
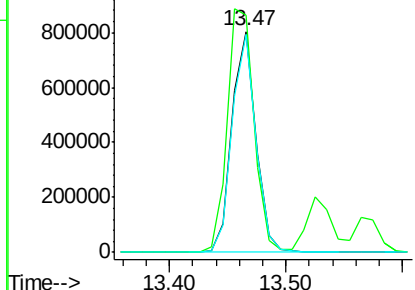
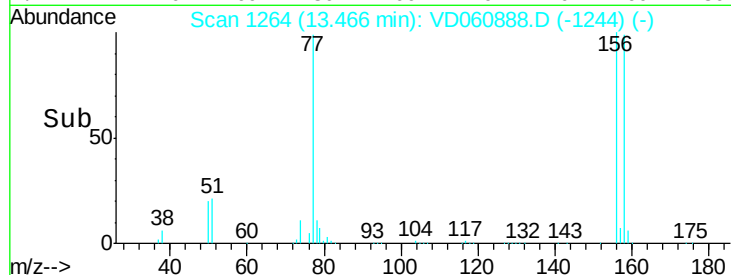
#77
Bromobenzene
Concen: 46.759 ug/l
RT: 13.47 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:156 Resp: 1146979
Ion Ratio Lower Upper
156 100
77 107.6 53.8 161.4
158 98.6 49.3 147.9

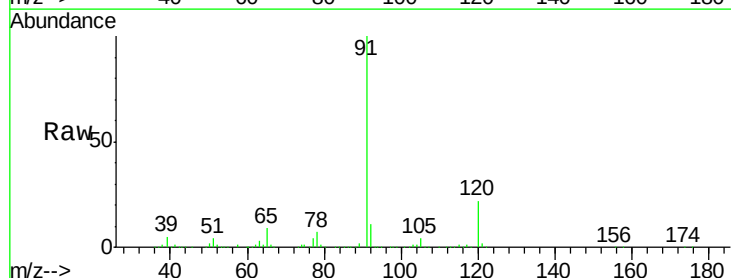


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

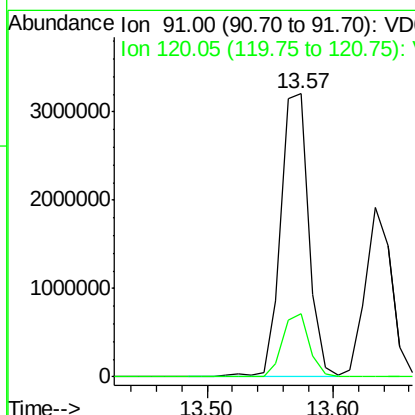
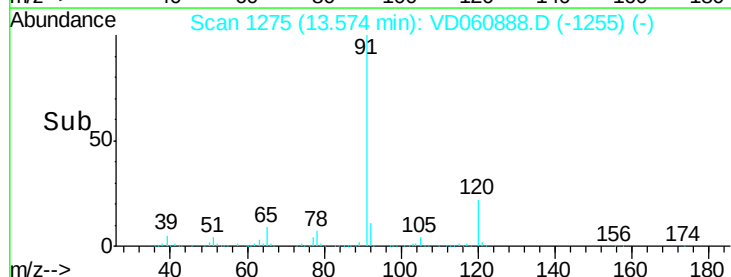


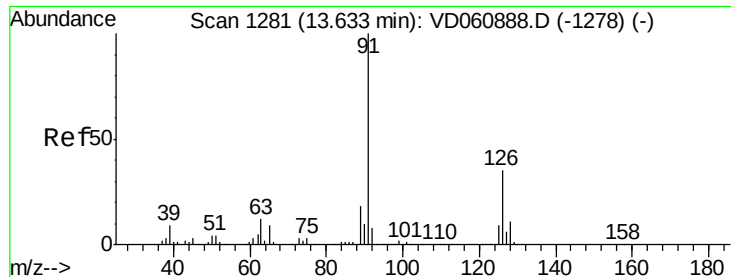
#78
n-propylbenzene
Concen: 42.905 ug/l
RT: 13.57 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion: 91 Resp: 4971828
Ion Ratio Lower Upper
91 100
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 42.889 ug/l

RT: 13.63 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

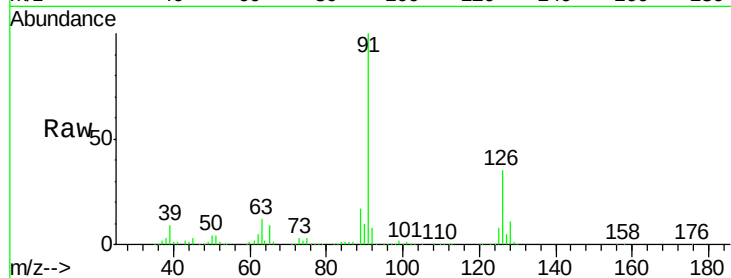
VSTDICCC050

Tot Ion: 91 Resp: 2750217

Ion Ratio Lower Upper

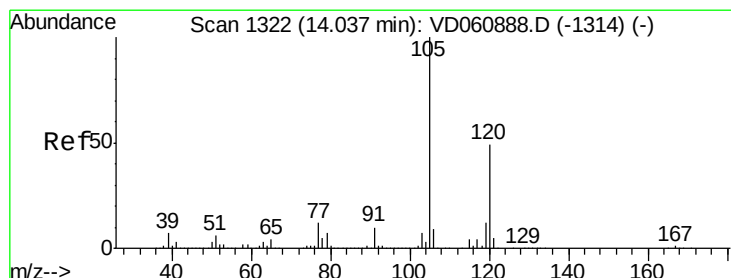
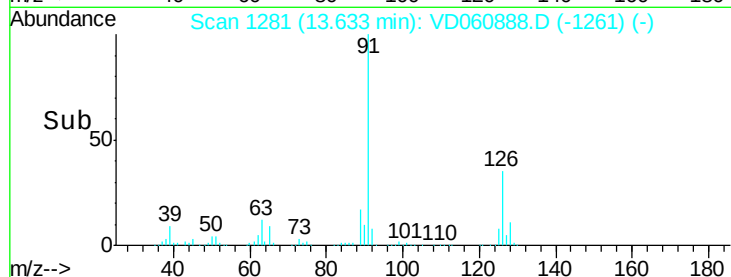
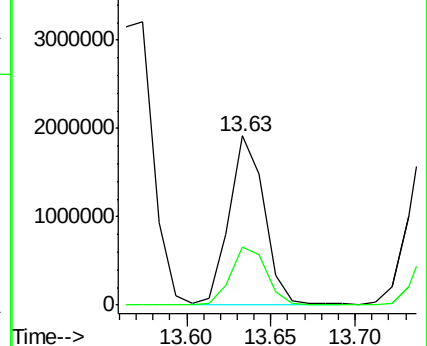
91 100

126 34.5 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 41.675 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VD060888.D

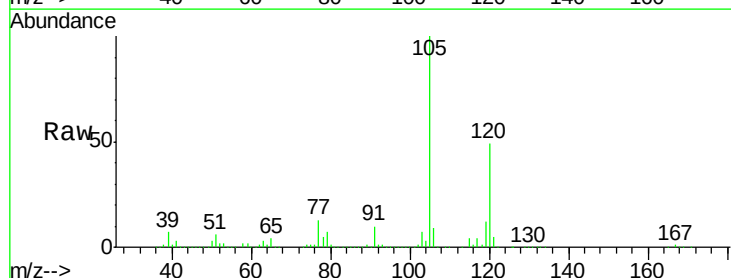
Acq: 21 Feb 2019 18:24

Tgt Ion:105 Resp: 3078695

Ion Ratio Lower Upper

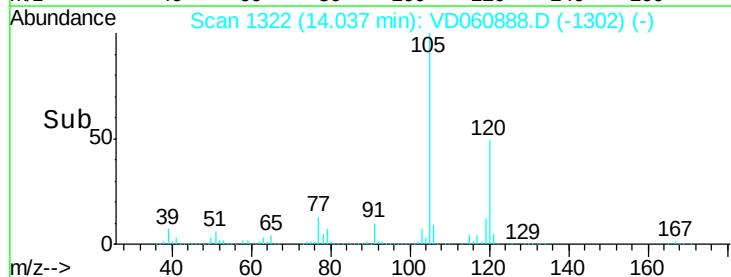
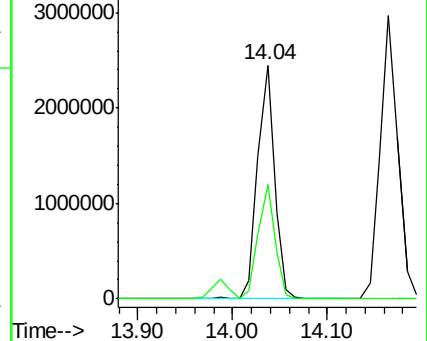
105 100

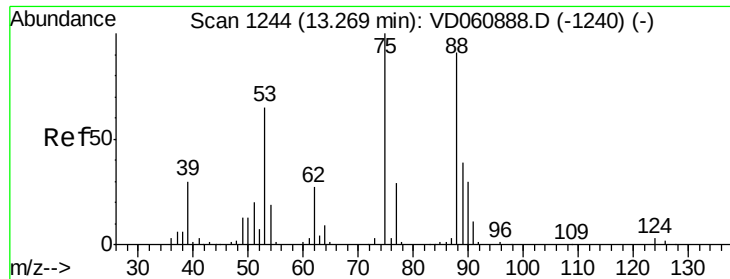
120 48.7 24.3 73.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

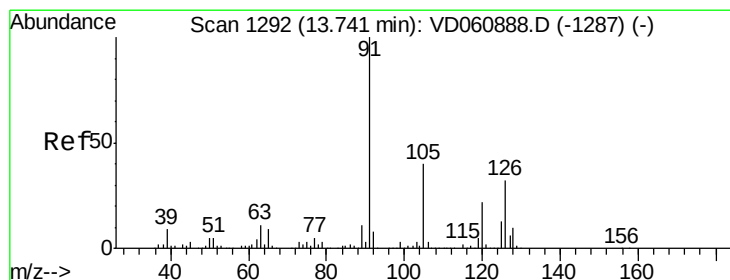
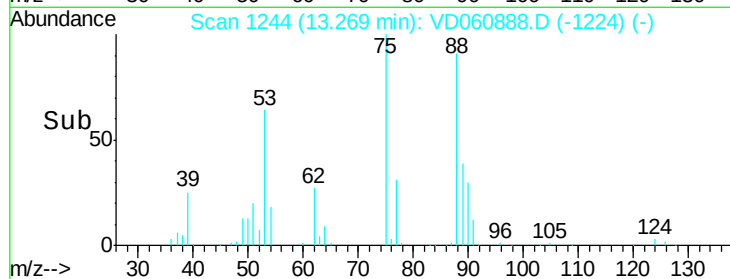
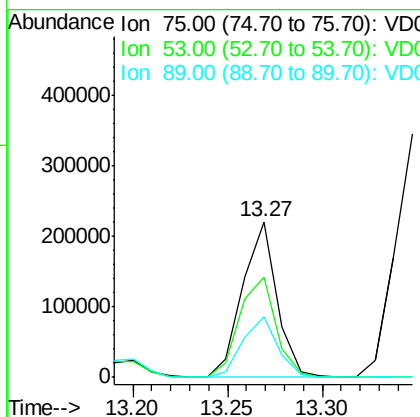
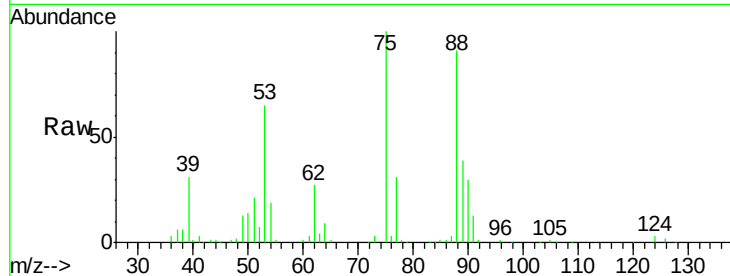




#81
trans-1,4-Dichloro-2-butene
Concen: 52.130 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

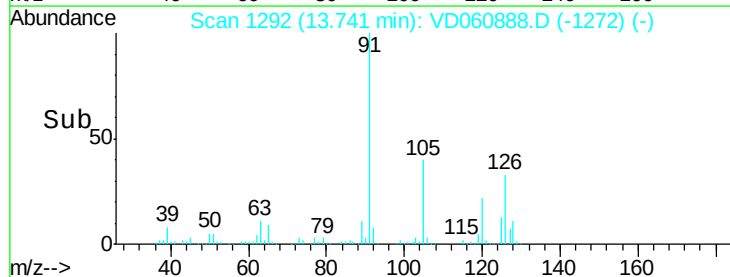
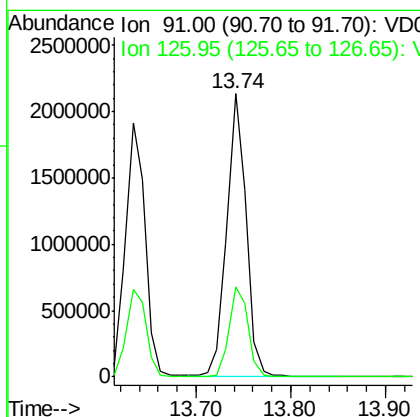
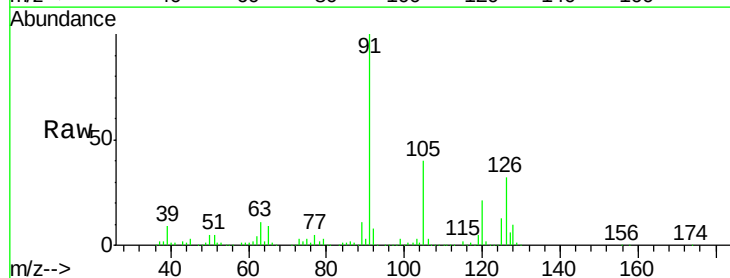
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

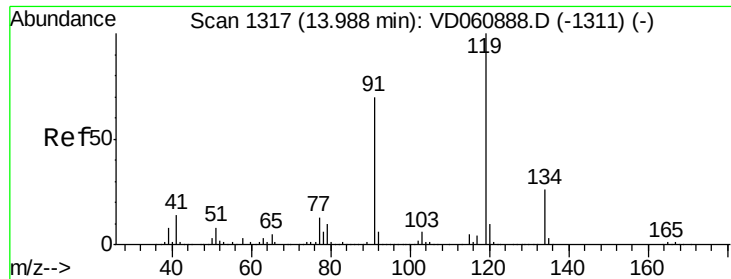
Tot Ion: 75 Resp: 276687
Ion Ratio Lower Upper
75 100
53 64.7 51.8 77.6
89 38.7 31.0 46.4



#82
4-Chlorotoluene
Concen: 41.368 ug/l
RT: 13.74 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion: 91 Resp: 3015001
Ion Ratio Lower Upper
91 100
126 32.0 16.0 48.0

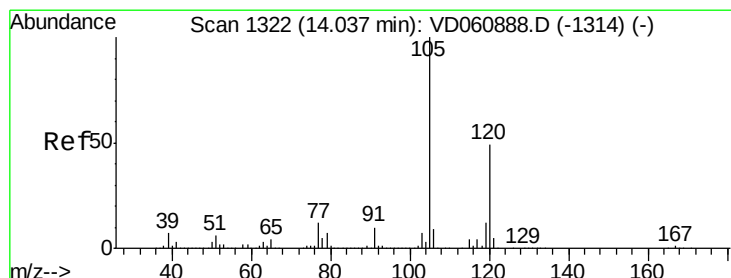
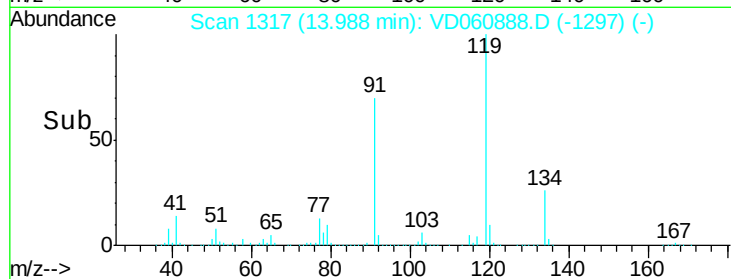
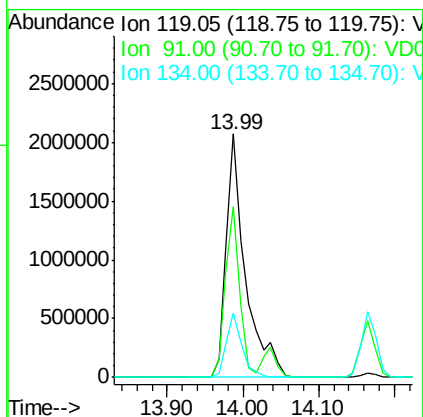
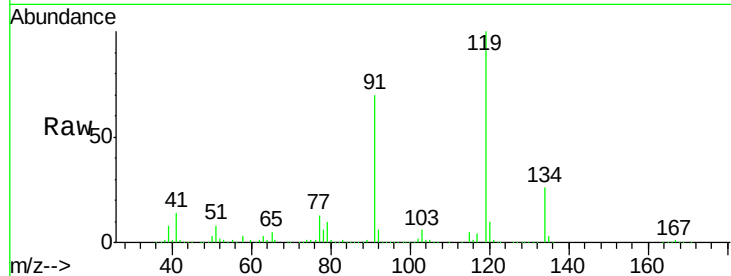




#83
 tert-Butylbenzene
 Concen: 44.336 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

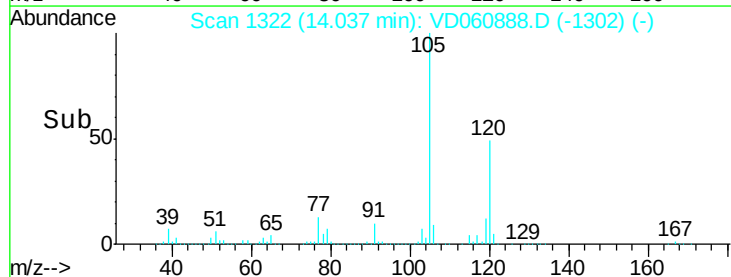
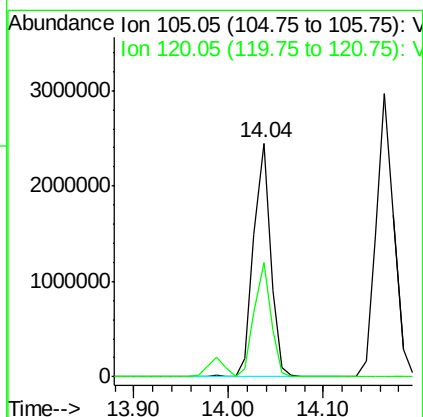
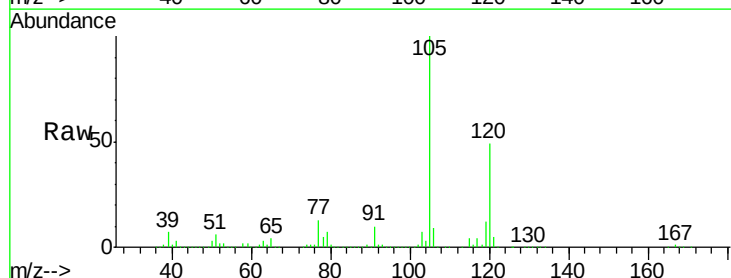
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

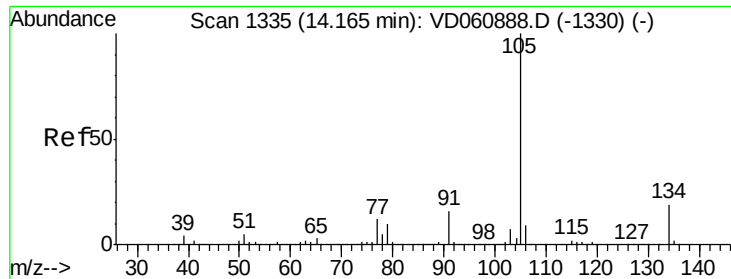
Tot Ion:119 Resp: 3646575
 Ion Ratio Lower Upper
 119 100
 91 69.9 34.9 104.8
 134 26.4 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 41.675 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion:105 Resp: 3078695
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 73.0





#85

sec-Butylbenzene

Concen: 43.464 ug/l

RT: 14.16 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

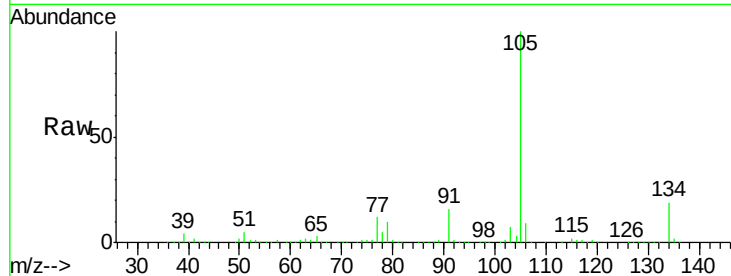
VSTDICCC050

Tot Ion:105 Resp: 3914016

Ion Ratio Lower Upper

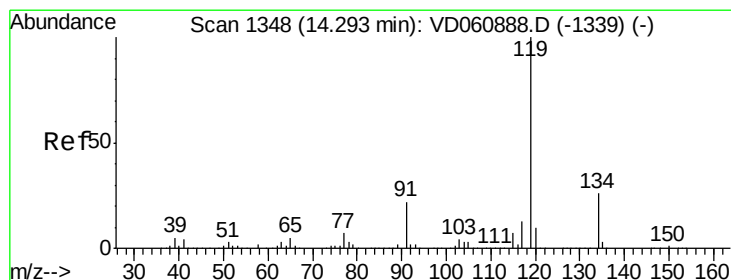
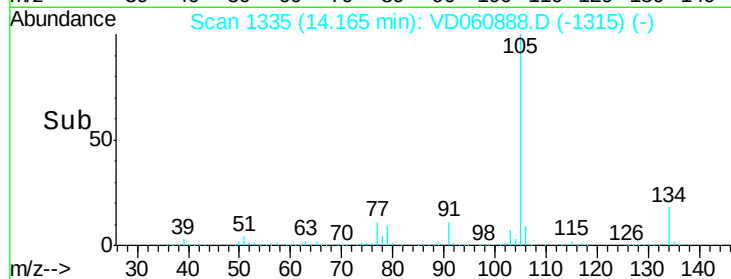
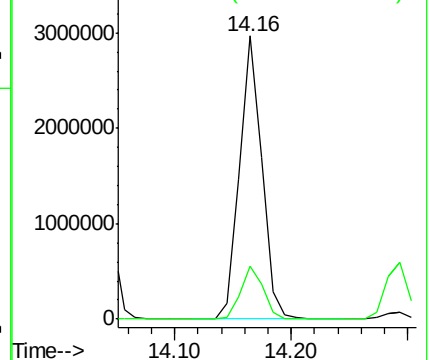
105 100

134 18.9 9.4 28.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 40.917 ug/l

RT: 14.29 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VD060888.D

Acq: 21 Feb 2019 18:24

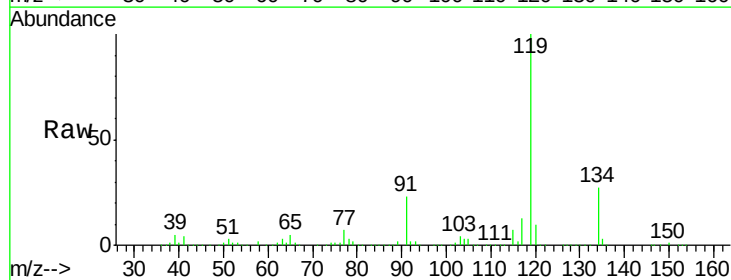
Tgt Ion:119 Resp: 3090793

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

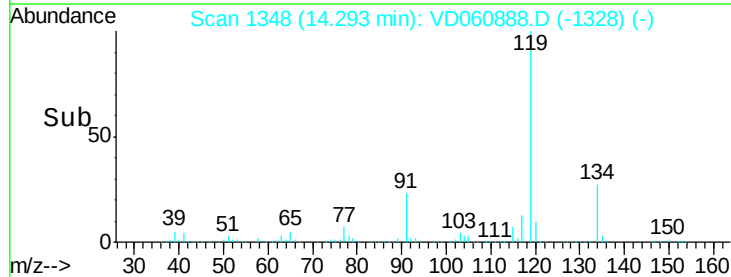
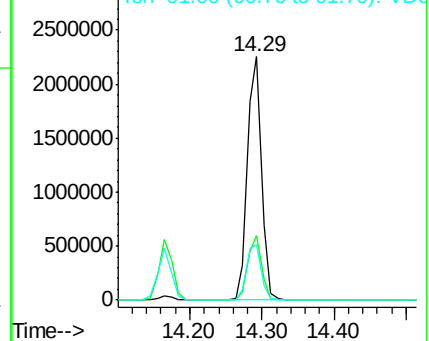
91 22.6 11.3 33.9

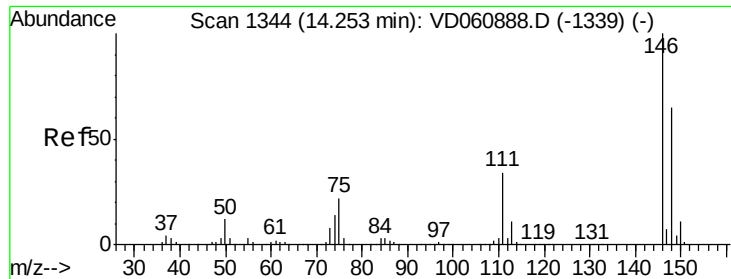


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

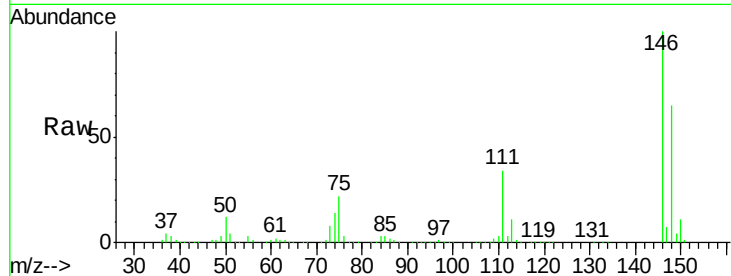




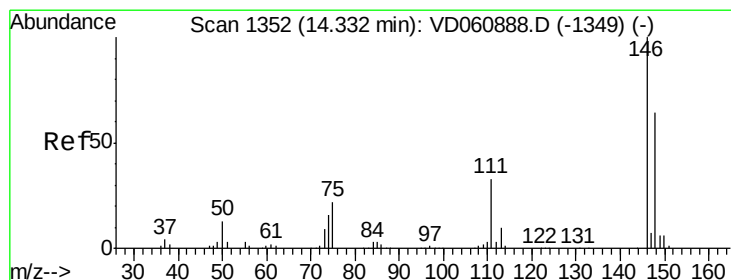
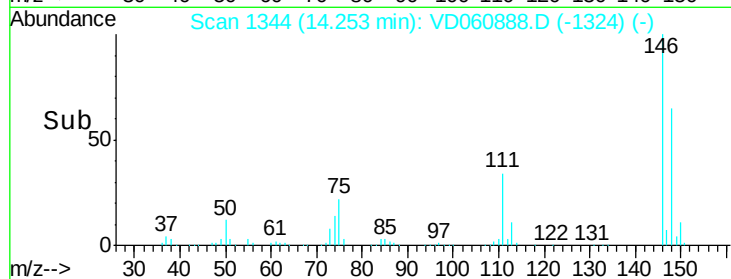
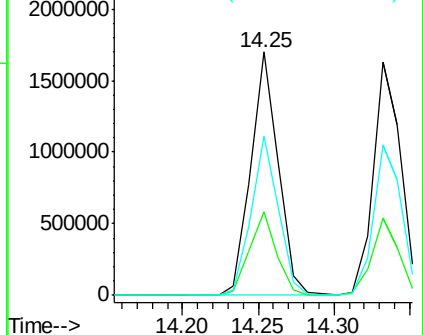
#87
 1,3-Dichlorobenzene
 Concen: 50.824 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 2152959
 Ion Ratio Lower Upper
 146 100
 111 34.5 17.3 51.7
 148 65.3 32.6 98.0

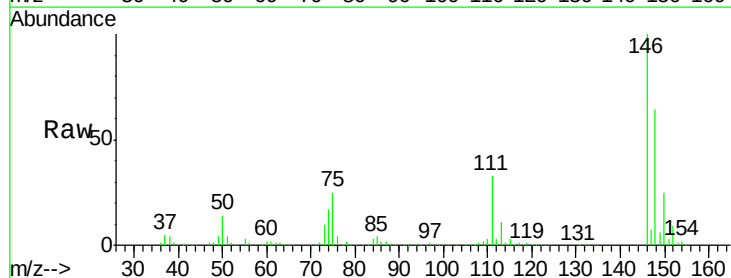


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

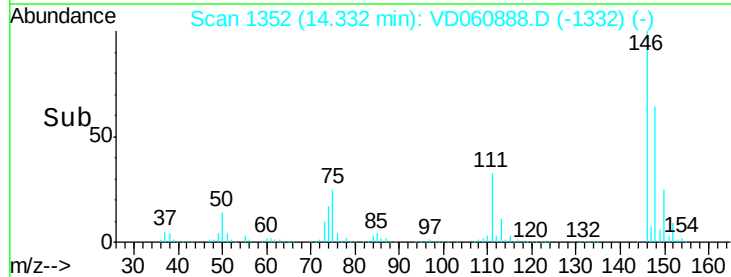
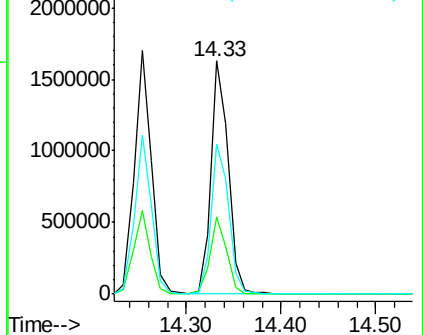


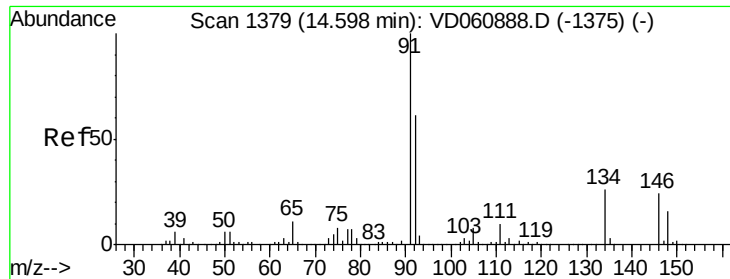
#88
 1,4-Dichlorobenzene
 Concen: 48.856 ug/l
 RT: 14.33 min Scan# 1352
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion:146 Resp: 2083518
 Ion Ratio Lower Upper
 146 100
 111 33.0 16.5 49.5
 148 64.2 32.1 96.3



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

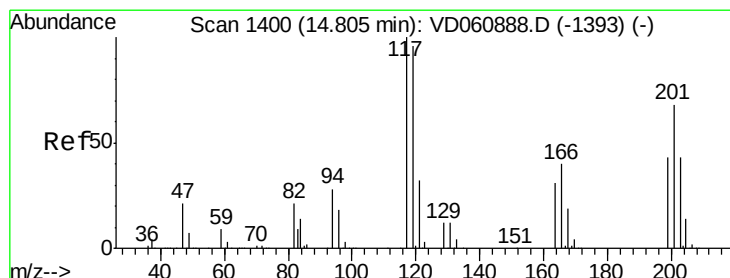
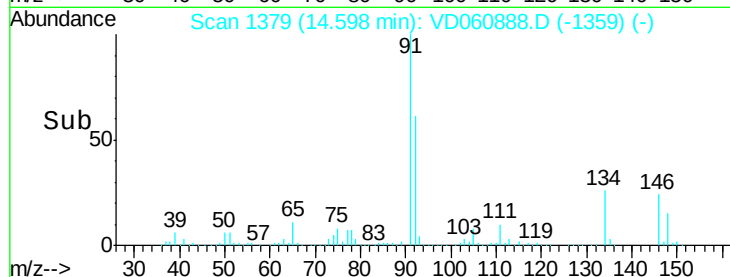
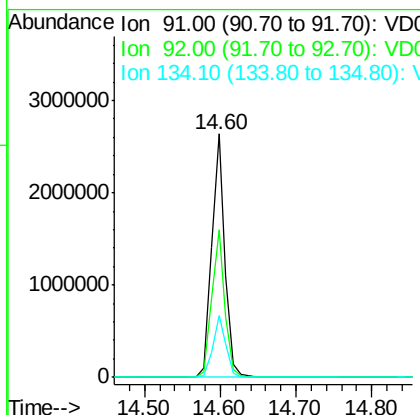
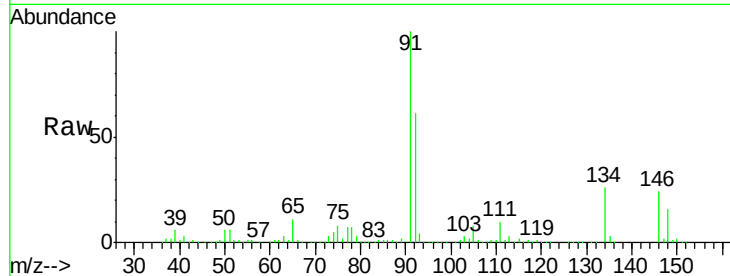




#89
n-Butylbenzene
Concen: 41.910 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

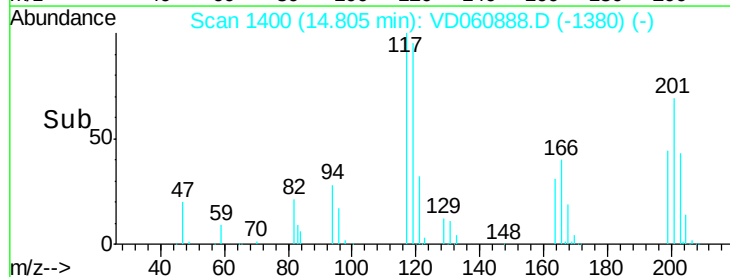
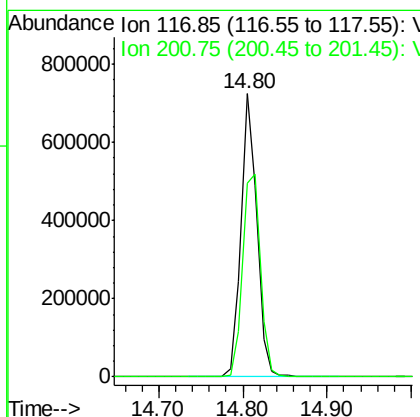
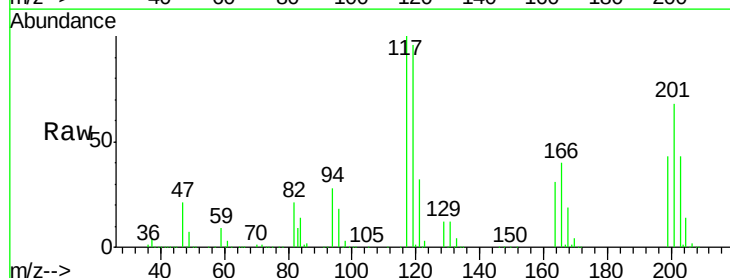
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

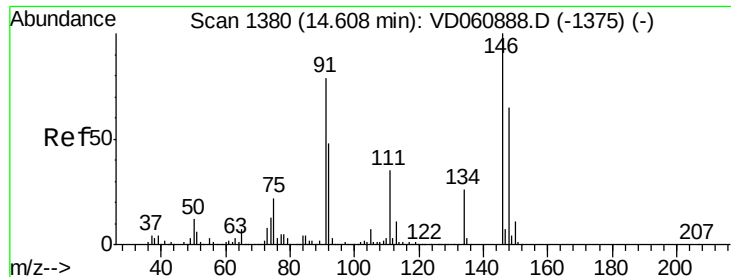
Tot Ion: 91 Resp: 3233613
Ion Ratio Lower Upper
91 100
92 60.5 30.3 90.8
134 25.5 12.8 38.3



#90
Hexachloroethane
Concen: 46.647 ug/l
RT: 14.80 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion: 117 Resp: 948923
Ion Ratio Lower Upper
117 100
201 68.4 34.2 102.6

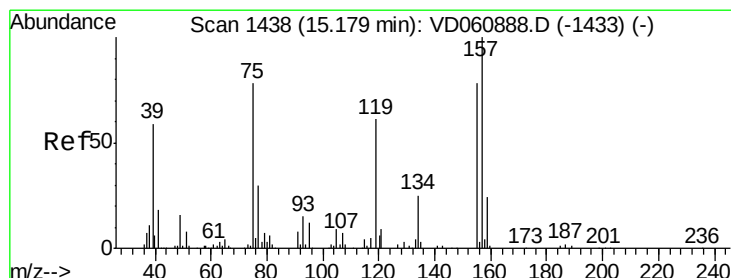
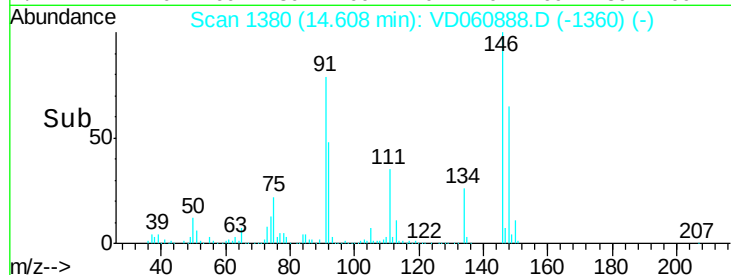
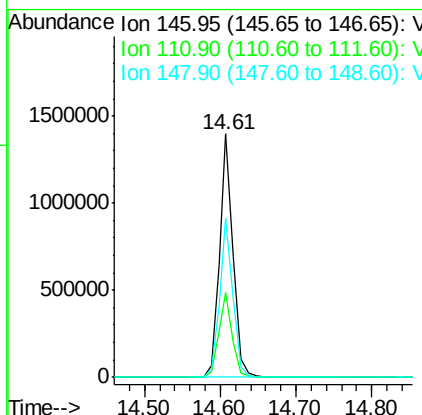
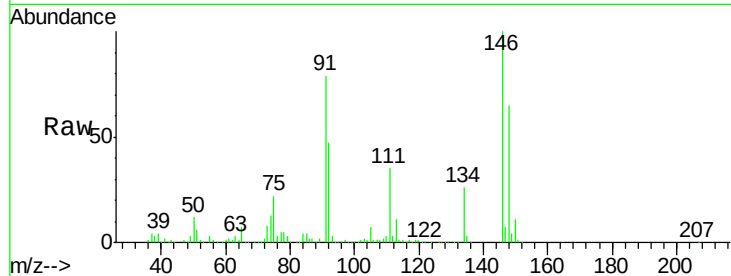




#91
 1,2-Dichlorobenzene
 Concen: 48.037 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

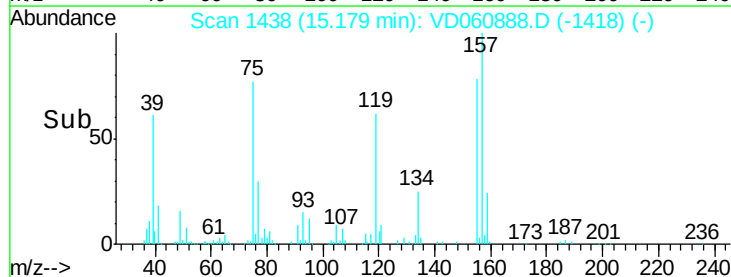
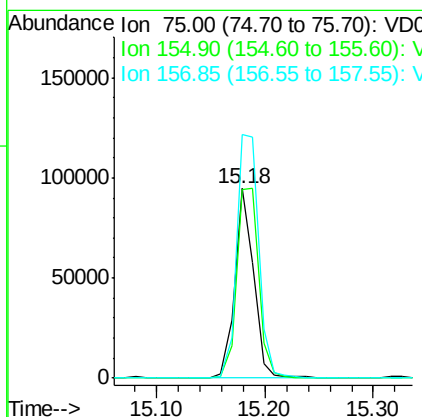
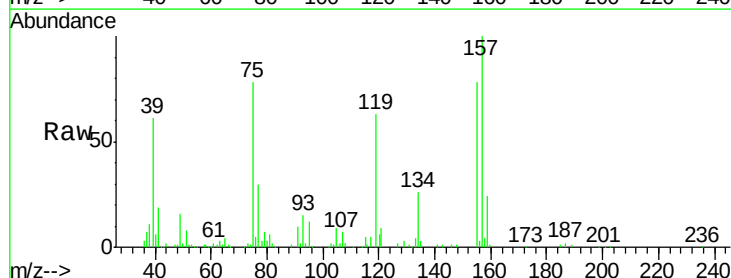
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

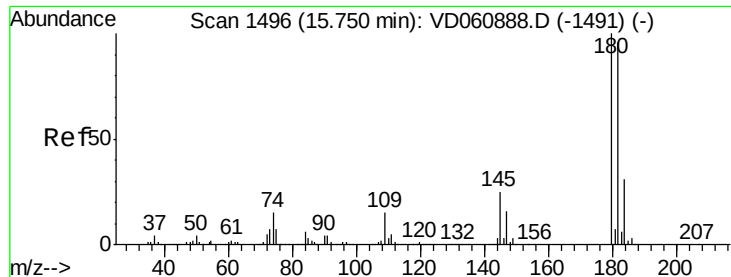
Tot Ion:146 Resp: 1738268
 Ion Ratio Lower Upper
 146 100
 111 34.8 17.4 52.2
 148 65.1 32.6 97.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.056 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion: 75 Resp: 115788
 Ion Ratio Lower Upper
 75 100
 155 99.7 49.9 149.6
 157 128.6 64.3 192.9

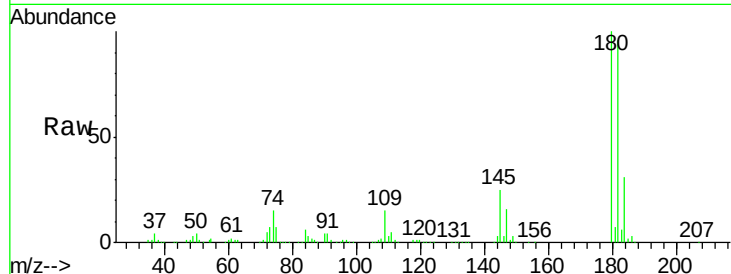




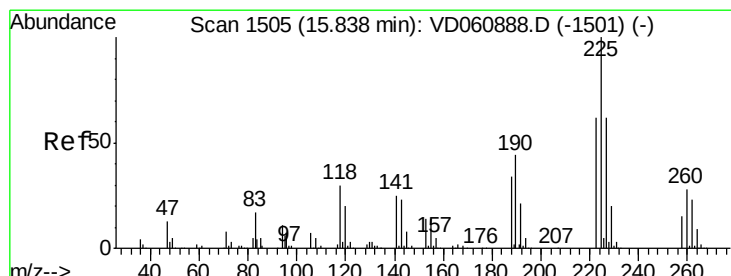
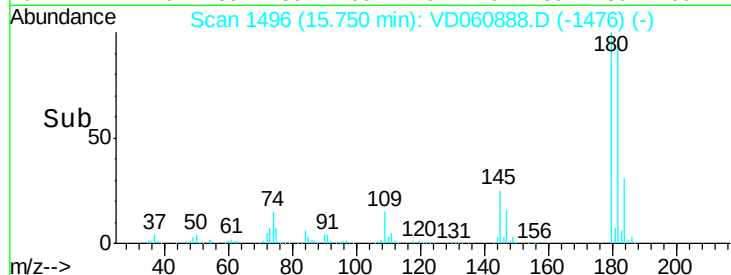
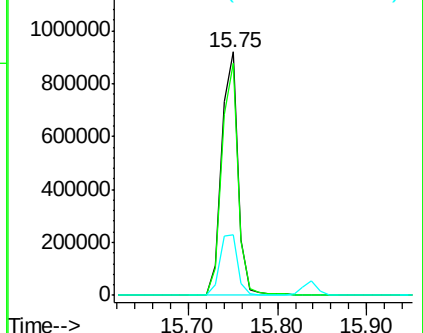
#93
 1,2,4-Trichlorobenzene
 Concen: 40.304 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 1207671
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.8 143.3
 145 24.9 12.4 37.4

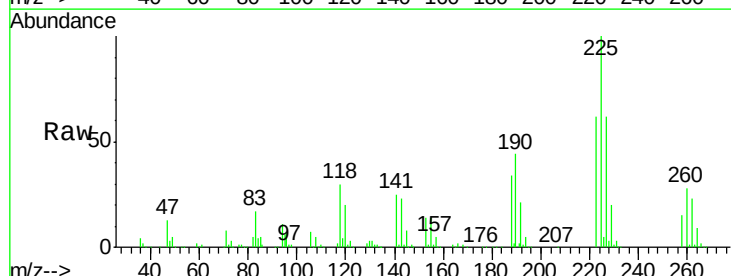


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

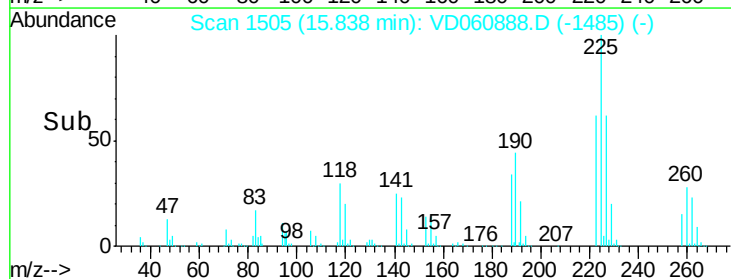
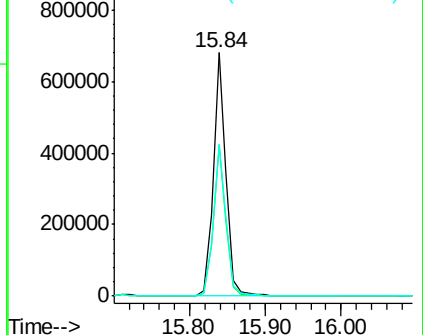


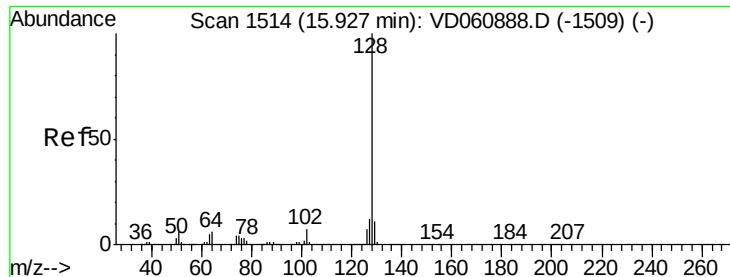
#94
 Hexachlorobutadiene
 Concen: 30.943 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060888.D
 Acq: 21 Feb 2019 18:24

Tgt Ion:225 Resp: 802876
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.5
 227 62.4 31.2 93.6



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

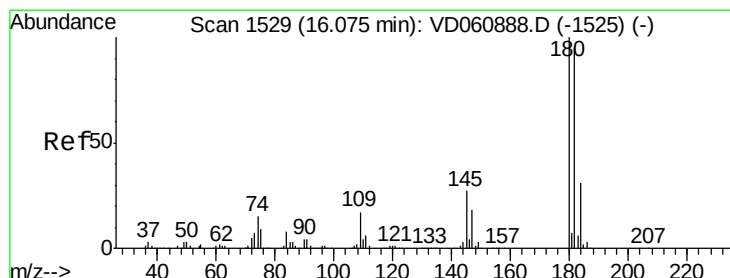
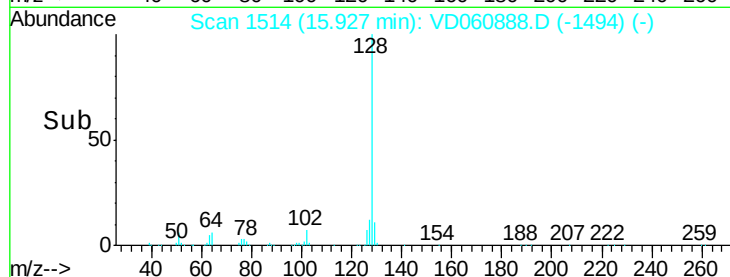
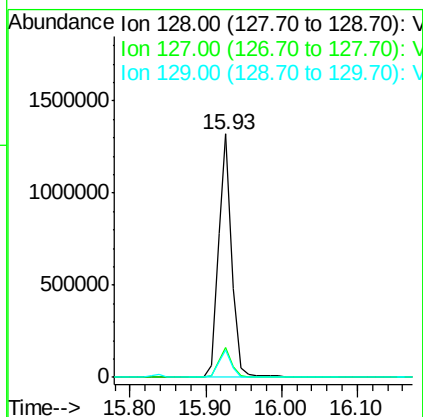
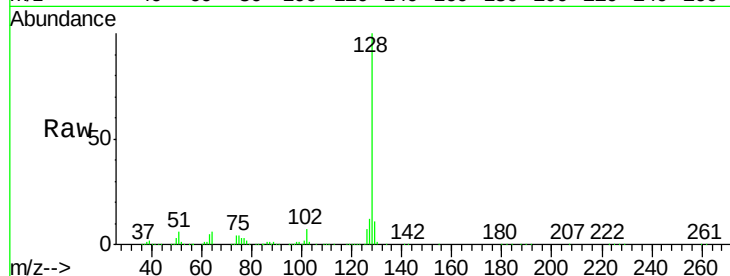




#95
Naphthalene
Concen: 40.987 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 1638201
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 11.2 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 32.947 ug/l
RT: 16.07 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VD060888.D
Acq: 21 Feb 2019 18:24

Tgt Ion:180 Resp: 797887
Ion Ratio Lower Upper
180 100
182 95.4 47.7 143.1
145 26.9 13.5 40.4

