

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022119\
 Data File : VD060887.D
 Acq On : 21 Feb 2019 17:55
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Feb 22 07:44:04 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	1914608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.96	114	2777154	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	2319787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	1221392	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.21	65	270334	13.89	ug/l	0.00
Spiked Amount			Recovery	=	27.78%	
35) Dibromofluoromethane	6.67	113	416631	19.60	ug/l	0.01
Spiked Amount			Recovery	=	39.20%	
50) Toluene-d8	10.18	98	1089619	20.65	ug/l	0.00
Spiked Amount			Recovery	=	41.30%	
62) 4-Bromofluorobenzene	13.35	95	423943	18.86	ug/l	0.00
Spiked Amount			Recovery	=	37.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	476701	17.532	ug/l	99
3) Chloromethane	1.74	50	296945	17.242	ug/l	99
4) Vinyl Chloride	1.83	62	259994	18.041	ug/l	98
5) Bromomethane	2.12	94	46438	6.057	ug/l	98
6) Chloroethane	2.22	64	49324	7.148	ug/l	95
7) Trichlorofluoromethane	2.47	101	353034	11.601	ug/l	96
8) Diethyl Ether	2.79	74	149257	30.267	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.04	101	475972	28.480	ug/l	96
10) Methyl Iodide	3.20	142	684546	34.496	ug/l	99
11) Tert butyl alcohol	3.89	59	94610	89.498	ug/l #	95
12) 1,1-Dichloroethene	3.03	96	405236	33.716	ug/l	98
13) Acrolein	2.94	56	154132	151.339	ug/l	98
14) Allyl chloride	3.48	41	700362	25.926	ug/l	97
15) Acrylonitrile	4.03	53	340139	87.931	ug/l	96
16) Acetone	3.12	43	403394	97.216	ug/l	99
17) Carbon Disulfide	3.27	76	1534815	34.667	ug/l	98
18) Methyl Acetate	3.50	43	172530	24.823	ug/l	97
19) Methyl tert-butyl Ether	4.06	73	709861	17.514	ug/l	98
20) Methylene Chloride	3.67	84	528829	20.404	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	418972	20.859	ug/l	96
22) Diisopropyl ether	4.86	45	1292230	17.829	ug/l	97
23) Vinyl Acetate	4.80	43	3722001	86.737	ug/l	99
24) 1,1-Dichloroethane	4.75	63	702271	18.035	ug/l	99
25) 2-Butanone	5.82	43	503069	81.667	ug/l	99
26) 2,2-Dichloropropane	5.78	77	610376	16.699	ug/l	98
27) cis-1,2-Dichloroethene	5.79	96	468670	22.533	ug/l	94
28) Bromochloromethane	6.18	49	254139	15.299	ug/l	98
29) Tetrahydrofuran	6.21	42	277582	90.674	ug/l	98
30) Chloroform	6.41	83	810741	19.785	ug/l	99
31) Cyclohexane	6.70	56	620282	18.974	ug/l	98
32) 1,1,1-Trichloroethane	6.61	97	591139	16.449	ug/l	98
36) 1,1-Dichloropropene	6.89	75	600631	17.743	ug/l	100
37) Ethyl Acetate	5.92	43	266379	15.337	ug/l	99
38) Carbon Tetrachloride	6.86	117	531658	15.367	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	712439	21.659	ug/l	97
40) Benzene	7.21	78	1483051	19.376	ug/l	98
41) Methacrylonitrile	6.18	41	116133m	9.800	ug/l	
42) 1,2-Dichloroethane	7.32	62	383356	13.035	ug/l	99
43) Isopropyl Acetate	8.99	43	376076	17.045	ug/l	97
44) Trichloroethene	8.30	130	491835	21.573	ug/l	95
45) 1,2-Dichloropropane	8.69	63	351465	17.200	ug/l	98
46) Dibromomethane	8.82	93	241355	18.420	ug/l	98
47) Bromodichloromethane	9.13	83	602060	18.362	ug/l	99
48) Methyl methacrylate	8.88	41	220241	14.812	ug/l	96
49) 1,4-Dioxane	8.84	88	48886	443.355	ug/l #	95
51) 4-Methyl-2-Pentanone	10.06	43	1158173	81.478	ug/l	99
52) Toluene	10.28	92	946325	21.479	ug/l	97
53) t-1,3-Dichloropropene	10.68	75	527892	17.990	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	606849	18.029	ug/l	98
55) 1,1,2-Trichloroethane	10.97	97	280364	21.424	ug/l	98
56) Ethyl methacrylate	10.81	69	287786	17.197	ug/l	97
57) 1,3-Dichloropropane	11.18	76	497731	20.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.62	63	821162	97.294	ug/l	98
59) 2-Hexanone	11.31	43	847623	80.959	ug/l	98
60) Dibromochloromethane	11.47	129	405413	19.226	ug/l	98
61) 1,2-Dibromoethane	11.59	107	315715	20.360	ug/l	94
64) Tetrachloroethene	11.03	164	431226	19.786	ug/l	96
65) Chlorobenzene	12.19	112	938265	19.475	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.30	131	410455	19.718	ug/l	97
67) Ethyl Benzene	12.31	91	1828271	20.127	ug/l	99
68) m/p-Xylenes	12.45	106	1215721	39.821	ug/l	97
69) o-Xylene	12.85	106	572447	19.714	ug/l	96
70) Styrene	12.87	104	990245	21.124	ug/l	99
71) Bromoform	13.02	173	266953	17.568	ug/l	98
73) Isopropylbenzene	13.20	105	1672471	18.766	ug/l	99
74) N-amyl acetate	13.06	43	451683	13.963	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.50	83	336506	19.061	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	345869	17.196	ug/l	100
77) Bromobenzene	13.47	156	498398	20.308	ug/l	96
78) n-propylbenzene	13.57	91	2039962	17.595	ug/l	99
79) 2-Chlorotoluene	13.63	91	1145181	17.850	ug/l	96
80) 1,3,5-Trimethylbenzene	14.04	105	1312081	17.752	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	103155	19.425	ug/l	97
82) 4-Chlorotoluene	13.74	91	1269093	17.404	ug/l	98
83) tert-Butylbenzene	13.99	119	1475956	17.936	ug/l	98
84) 1,2,4-Trimethylbenzene	14.04	105	1312081	17.752	ug/l	100
85) sec-Butylbenzene	14.17	105	1709826	18.977	ug/l	99
86) p-Isopropyltoluene	14.29	119	1428100	18.896	ug/l	99
87) 1,3-Dichlorobenzene	14.25	146	868849	20.500	ug/l	99
88) 1,4-Dichlorobenzene	14.33	146	871209	20.419	ug/l	98
89) n-Butylbenzene	14.60	91	1495309	19.371	ug/l	98
90) Hexachloroethane	14.81	117	380299	18.685	ug/l	92
91) 1,2-Dichlorobenzene	14.61	146	769843	21.264	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.18	75	43126	14.912	ug/l	94

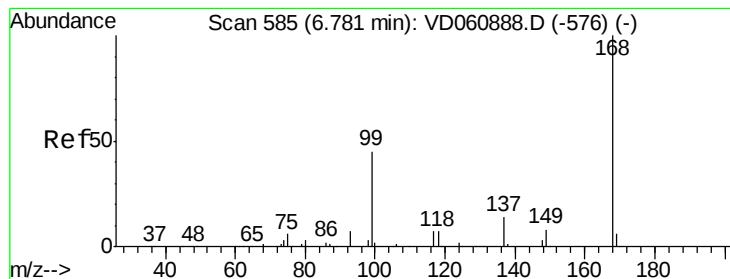
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	465916	15.541	ug/l	99
94) Hexachlorobutadiene	15.84	225	304320	11.722	ug/l	100
95) Naphthalene	15.93	128	673770	16.849	ug/l	98
96) 1,2,3-Trichlorobenzene	16.08	180	312326	12.890	ug/l	99

(#) = 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: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

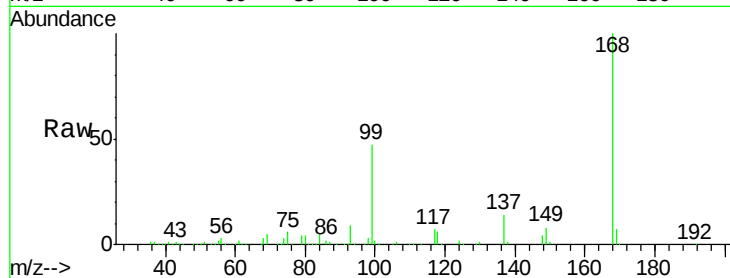
VSTDIC020

Tot Ion:168 Resp: 1914608

Ion Ratio Lower Upper

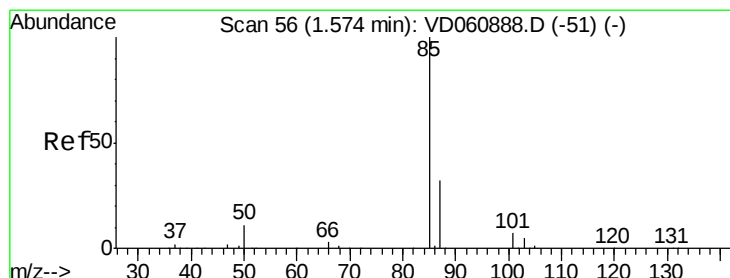
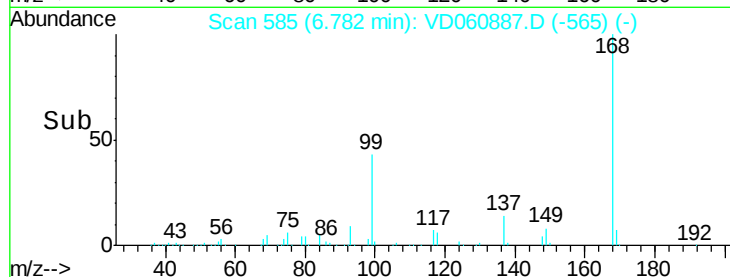
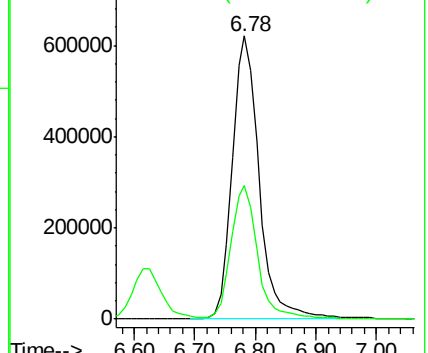
168 100

99 47.1 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: 17.532 ug/l

RT: 1.57 min Scan# 56

Delta R.T. 0.00 min

Lab File: VD060887.D

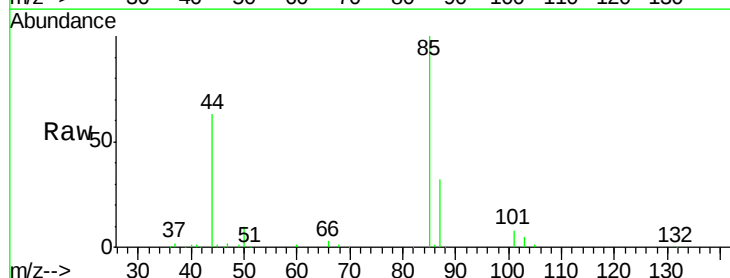
Acq: 21 Feb 2019 17:55

Tgt Ion: 85 Resp: 476701

Ion Ratio Lower Upper

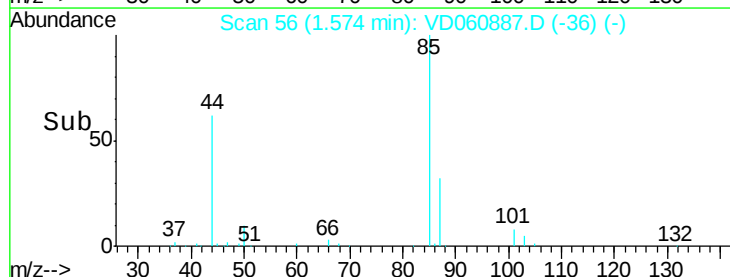
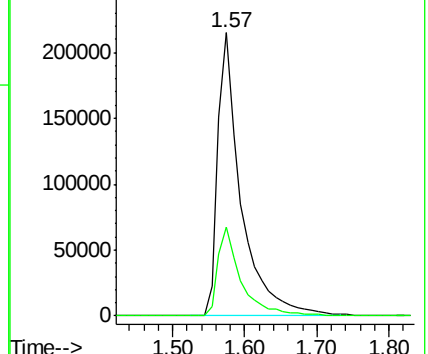
85 100

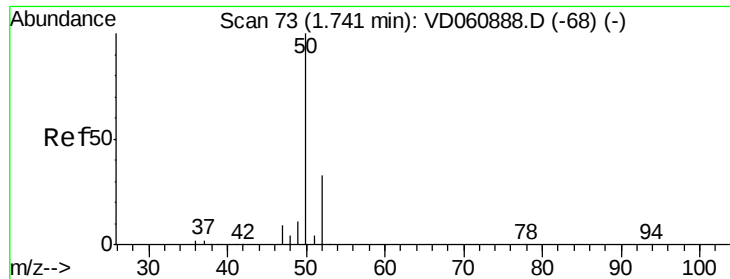
87 31.6 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

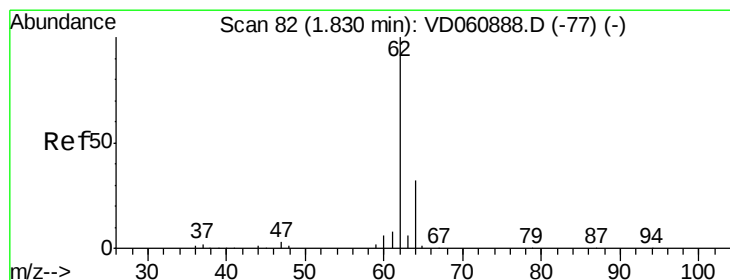
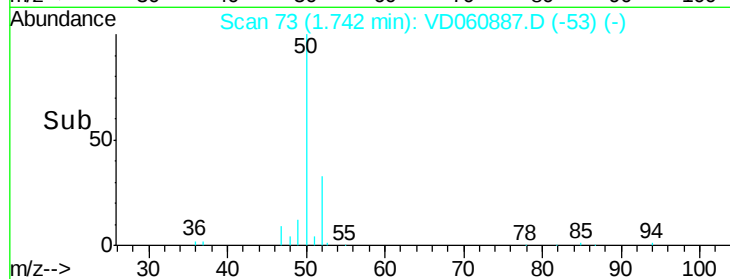
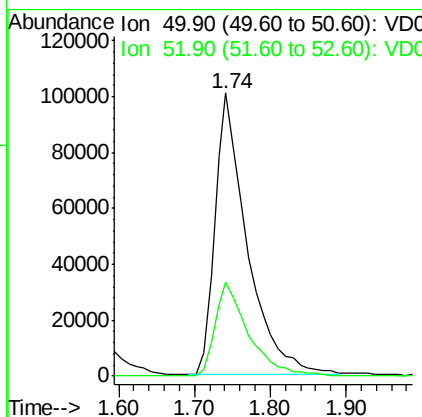
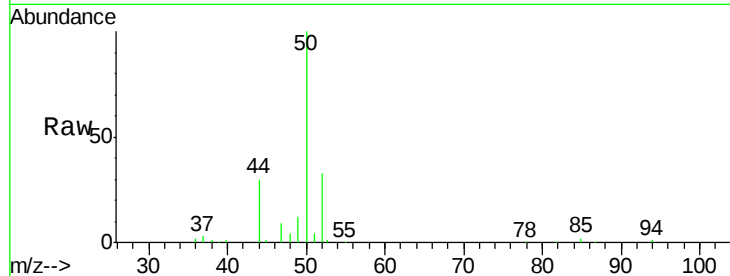




#3
Chloromethane
Concen: 17.242 ug/l
RT: 1.74 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

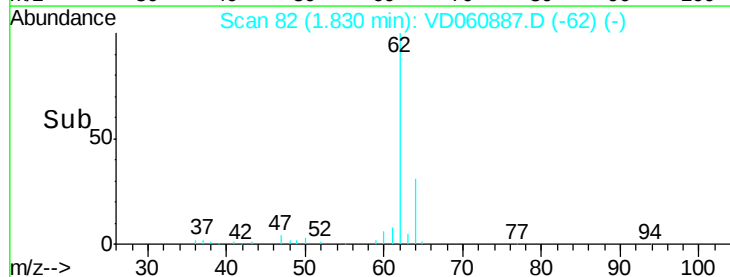
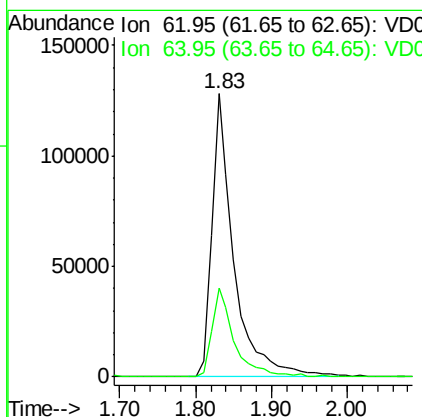
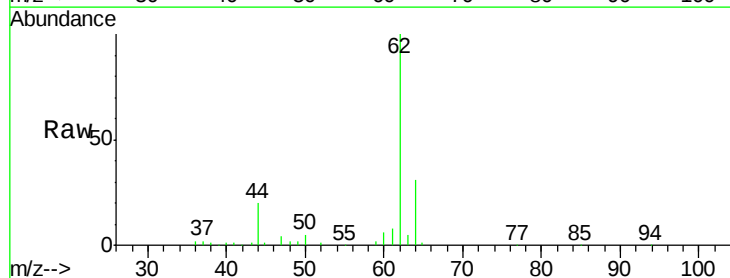
Instrument :
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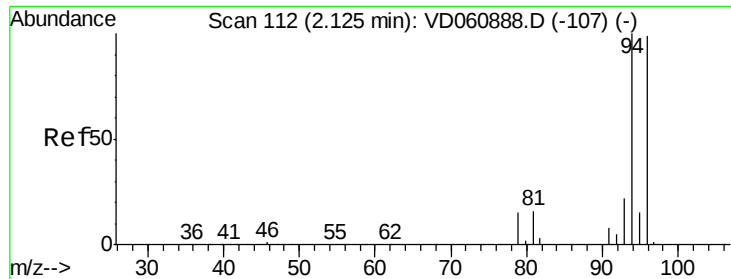
Tot Ion: 50 Resp: 296945
Ion Ratio Lower Upper
50 100
52 33.2 26.0 39.0



#4
Vinyl Chloride
Concen: 18.041 ug/l
RT: 1.83 min Scan# 82
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Tgt Ion: 62 Resp: 259994
Ion Ratio Lower Upper
62 100
64 31.2 26.0 39.0

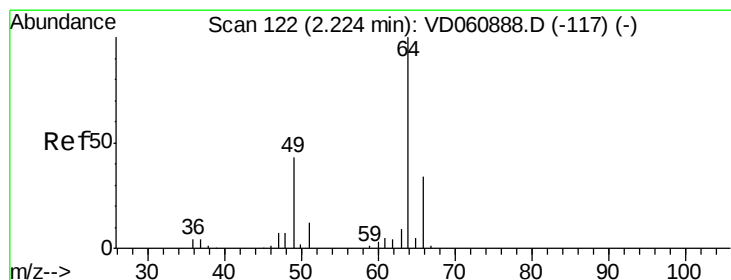
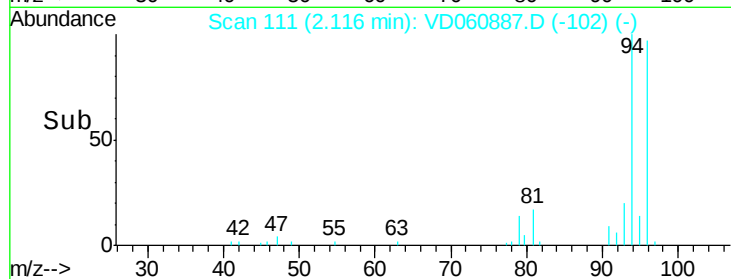
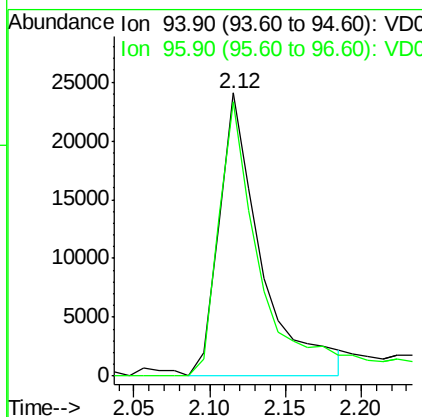
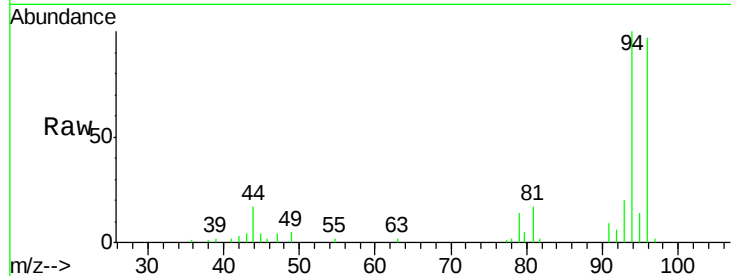




#5
Bromomethane
Concen: 6.057 ug/l
RT: 2.12 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

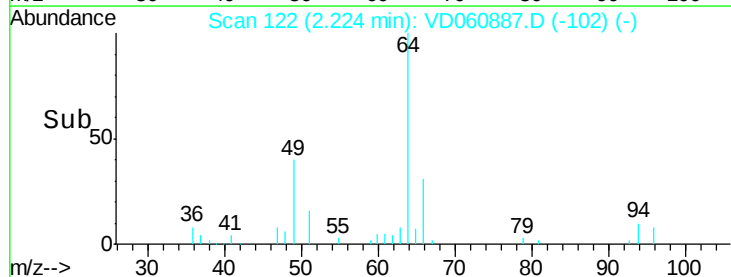
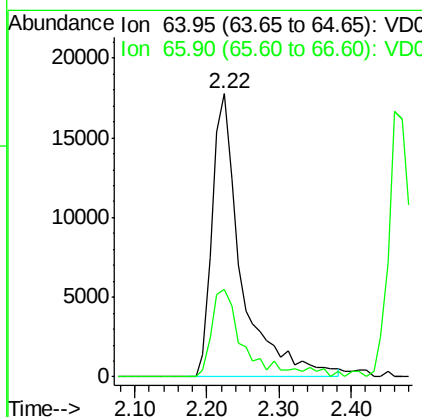
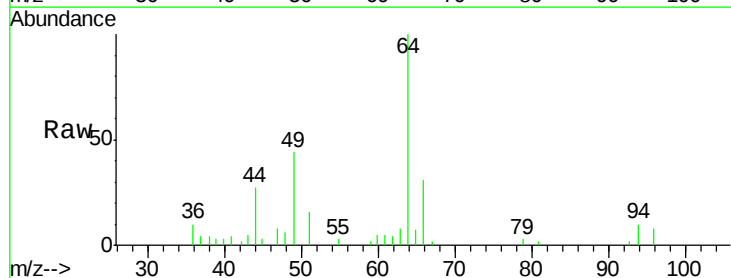
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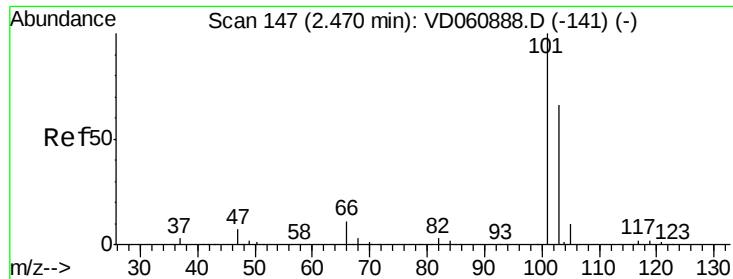
Tot Ion: 94 Resp: 46438
Ion Ratio Lower Upper
94 100
96 96.9 79.0 118.6



#6
Chloroethane
Concen: 7.148 ug/l
RT: 2.22 min Scan# 122
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Tgt Ion: 64 Resp: 49324
Ion Ratio Lower Upper
64 100
66 30.9 27.0 40.6



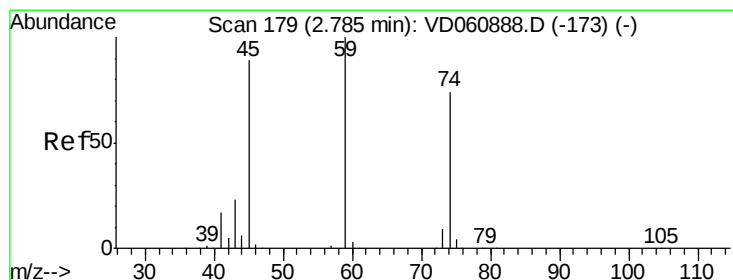
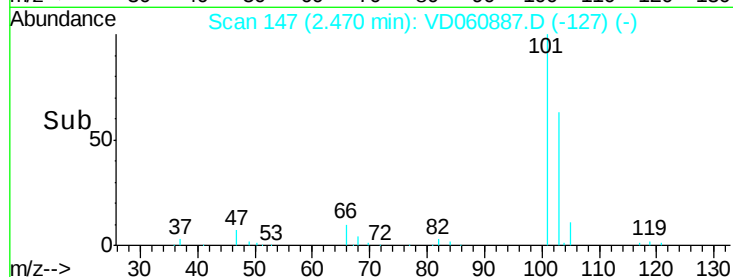
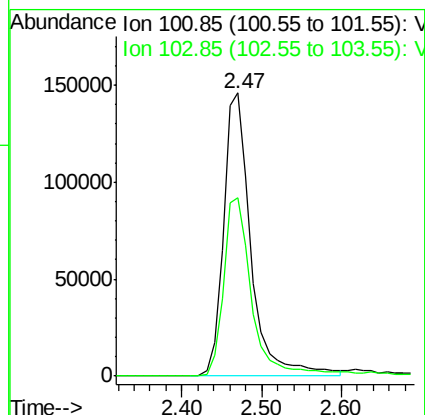
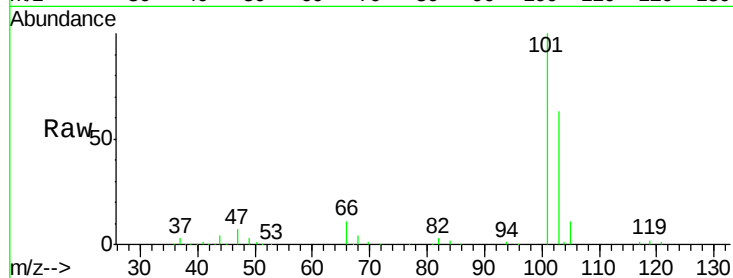


#7

Trichlorofluoromethane
 Concen: 11.601 ug/l
 RT: 2.47 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Instrument :
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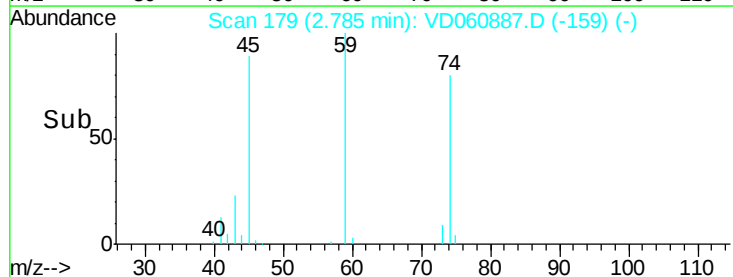
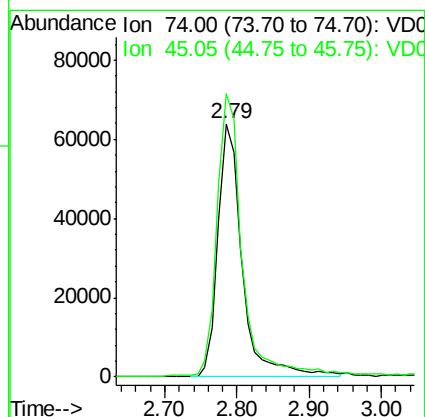
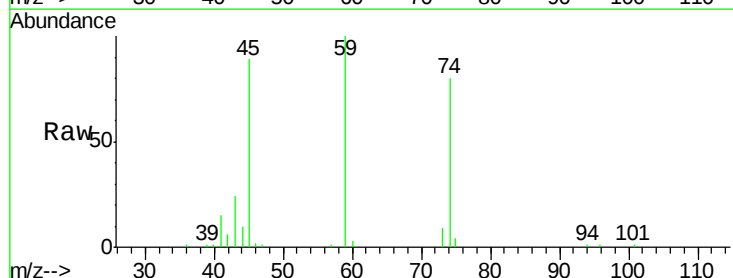
Tot Ion:101 Resp: 353034
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.6 79.0

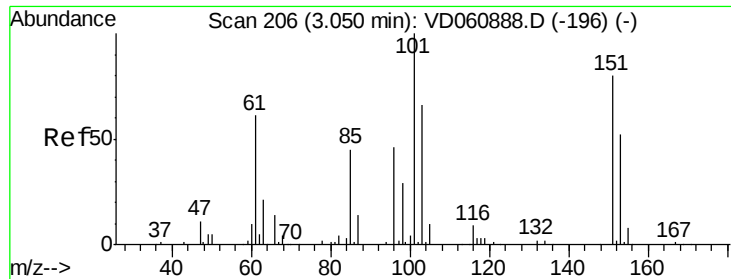


#8

Diethyl Ether
 Concen: 30.267 ug/l
 RT: 2.79 min Scan# 179
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Tgt Ion: 74 Resp: 149257
 Ion Ratio Lower Upper
 74 100
 45 112.0 60.2 180.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.480 ug/l

RT: 3.04 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

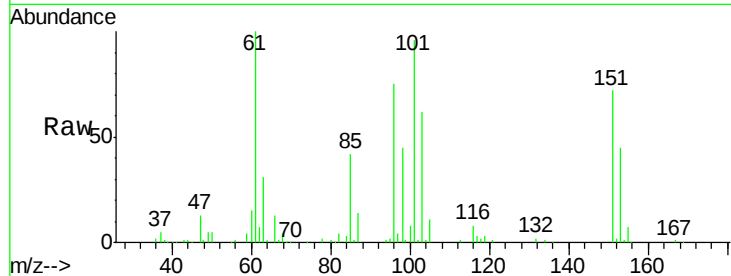
Tot Ion:101 Resp: 475972

Ion Ratio Lower Upper

101 100

85 43.6 35.9 53.9

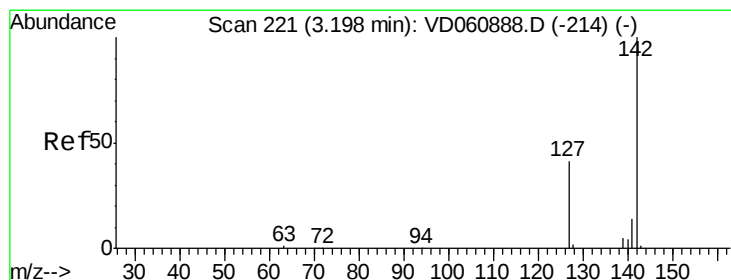
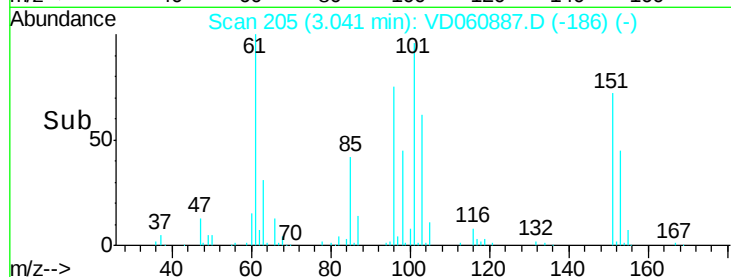
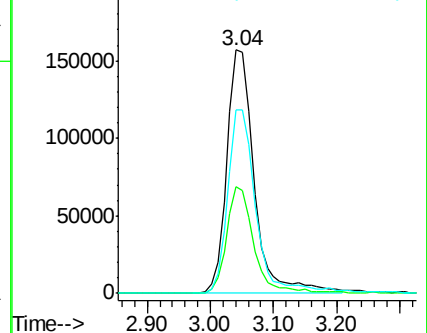
151 75.6 63.7 95.5



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: 34.496 ug/l

RT: 3.20 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

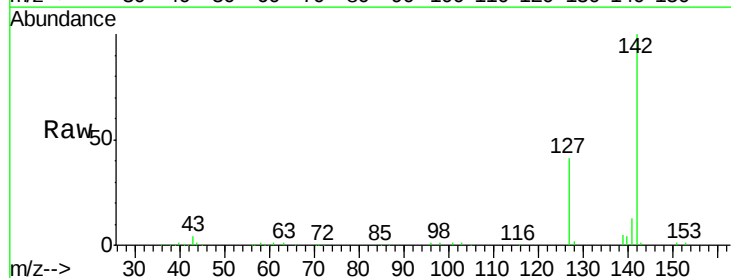
Tgt Ion:142 Resp: 684546

Ion Ratio Lower Upper

142 100

127 41.0 33.0 49.4

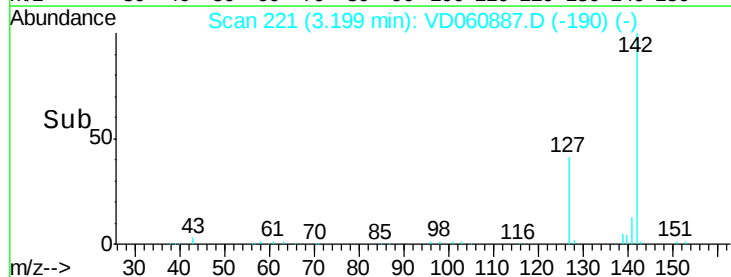
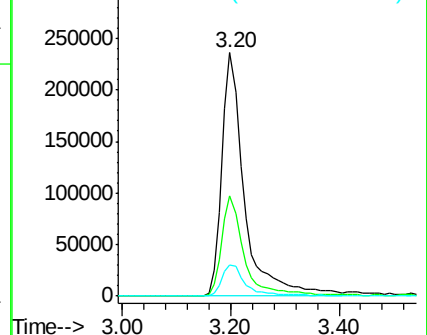
141 13.0 11.4 17.2

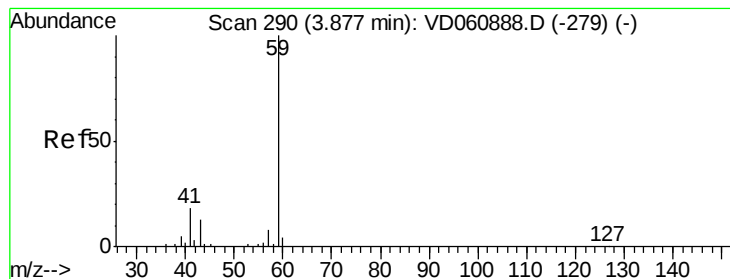


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



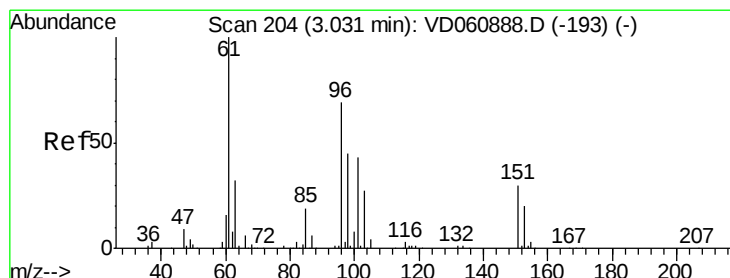
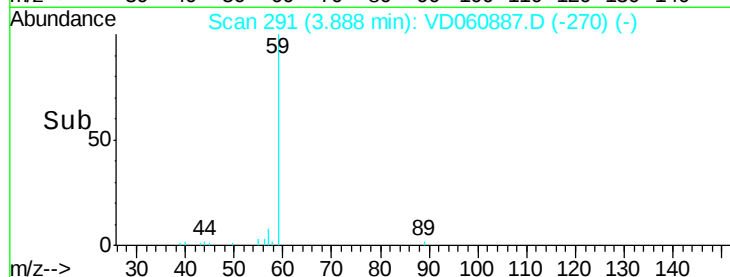
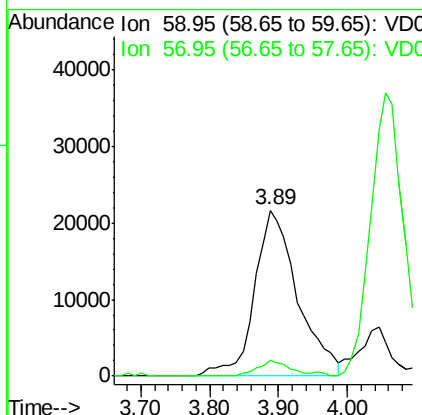
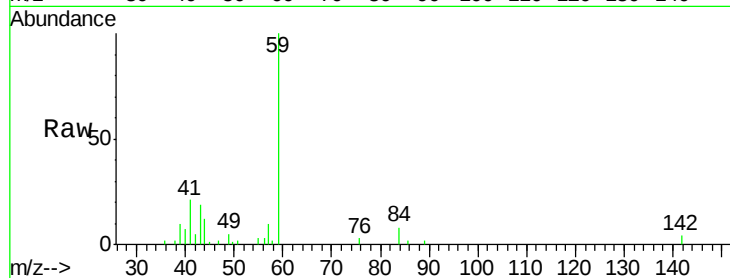


#11

Tert butyl alcohol
 Concen: 89.498 ug/l
 RT: 3.89 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

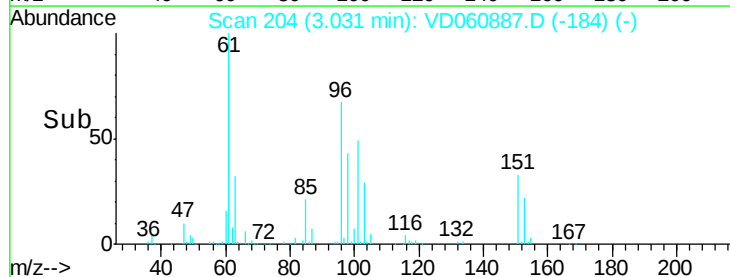
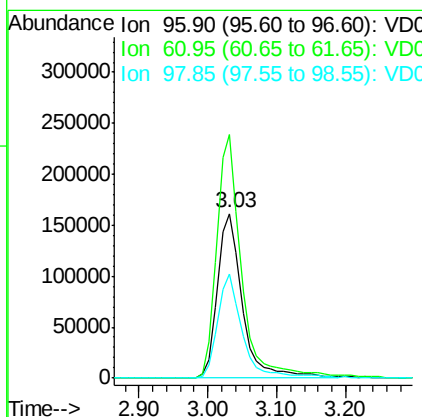
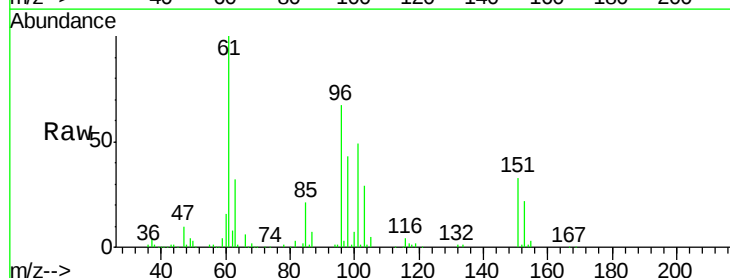
Tot Ion: 59 Resp: 94610
 Ion Ratio Lower Upper
 59 100
 57 9.7 6.3 9.5#

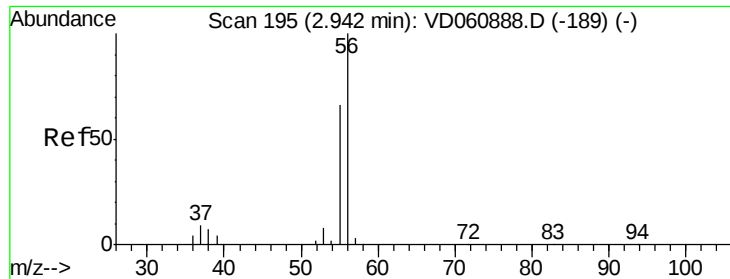


#12

1,1-Dichloroethene
 Concen: 33.716 ug/l
 RT: 3.03 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Tgt Ion: 96 Resp: 405236
 Ion Ratio Lower Upper
 96 100
 61 148.2 116.1 174.1
 98 63.4 51.8 77.6





#13

Acrolein

Concen: 151.339 ug/l

RT: 2.94 min Scan# 195

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

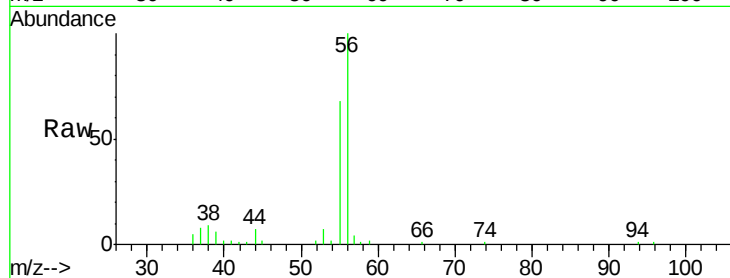
VSTDIC020

Tot Ion: 56 Resp: 154132

Ion Ratio Lower Upper

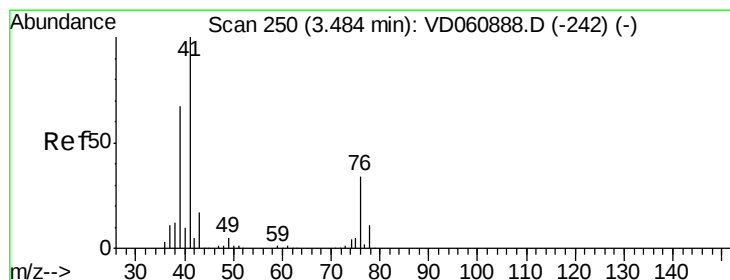
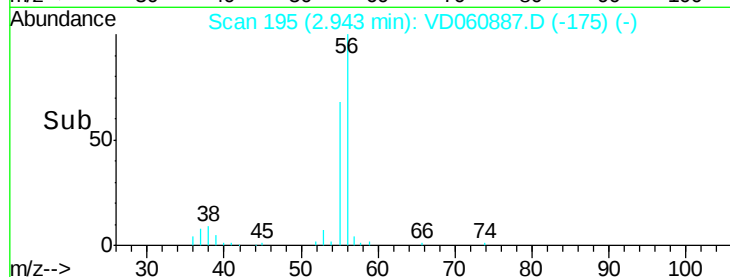
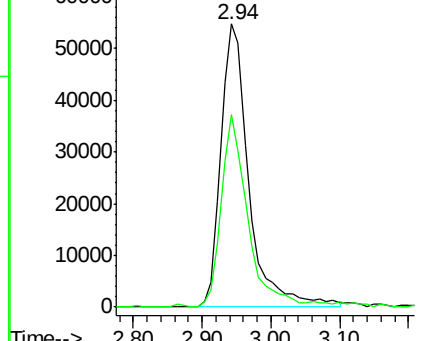
56 100

55 68.1 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: 25.926 ug/l

RT: 3.48 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

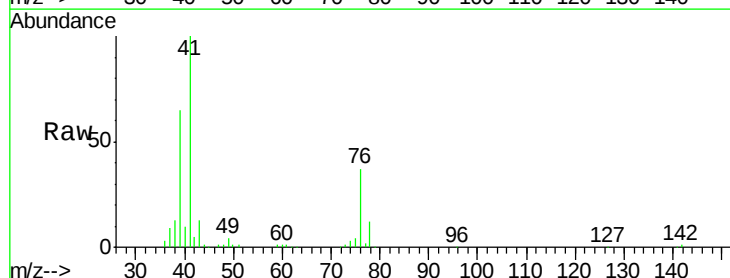
Tgt Ion: 41 Resp: 700362

Ion Ratio Lower Upper

41 100

39 64.9 53.7 80.5

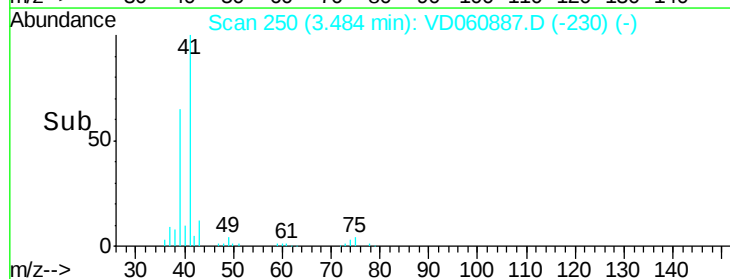
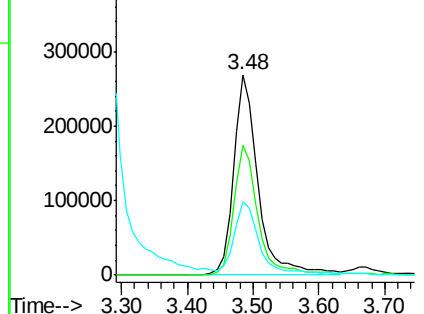
76 36.7 30.9 46.3

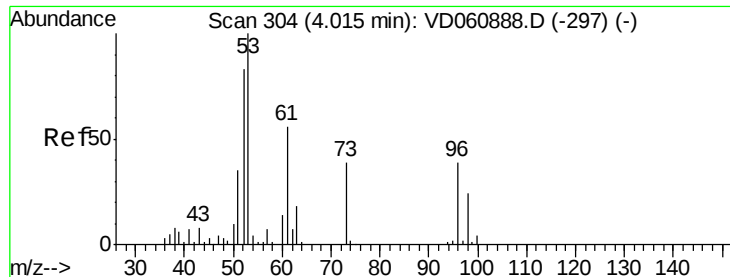


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 87.931 ug/l

RT: 4.03 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

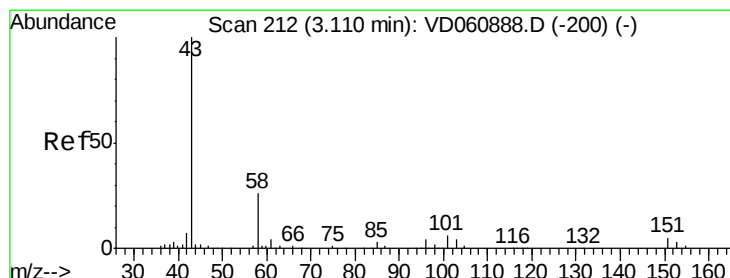
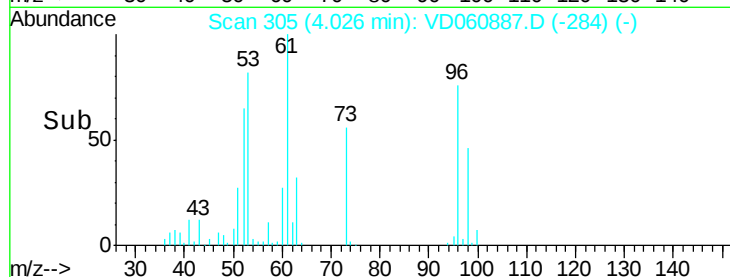
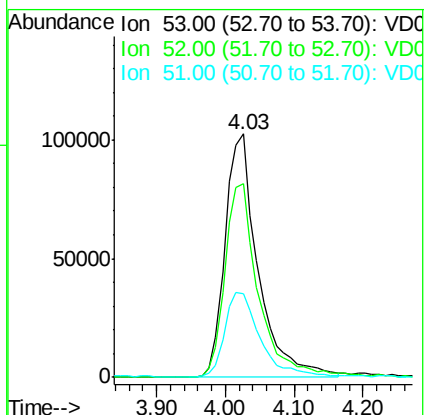
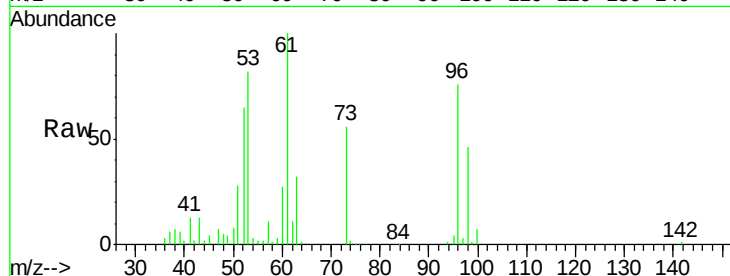
Tot Ion: 53 Resp: 340139

Ion Ratio Lower Upper

53 100

52 79.5 66.7 100.1

51 34.3 28.4 42.6



#16

Acetone

Concen: 97.216 ug/l

RT: 3.12 min Scan# 213

Delta R.T. 0.01 min

Lab File: VD060887.D

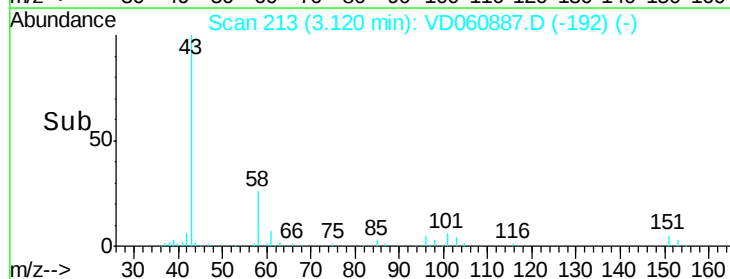
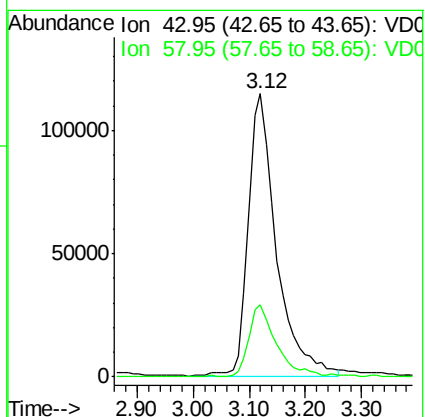
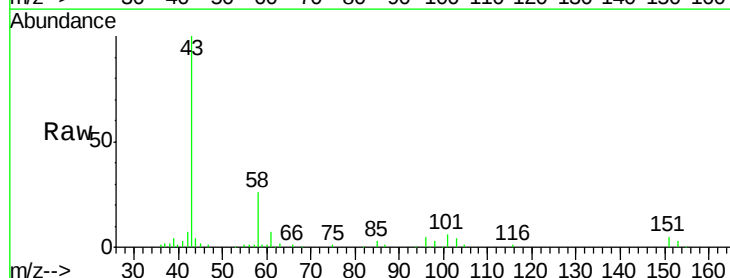
Acq: 21 Feb 2019 17:55

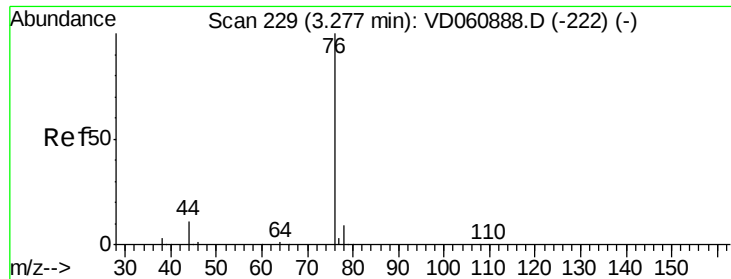
Tgt Ion: 43 Resp: 403394

Ion Ratio Lower Upper

43 100

58 25.7 21.0 31.4





#17

Carbon Disulfide

Concen: 34.667 ug/l

RT: 3.27 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

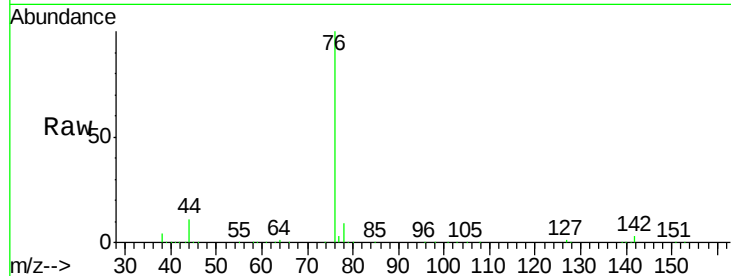
VSTDIC020

Tot Ion: 76 Resp: 1534815

Ion Ratio Lower Upper

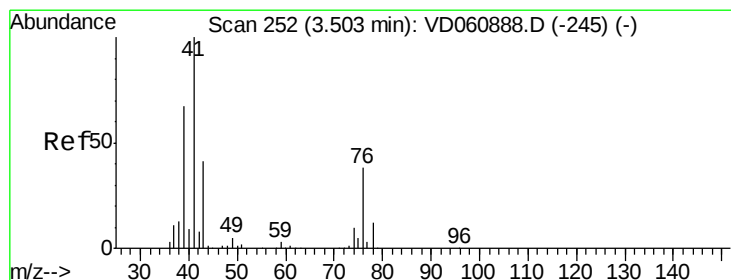
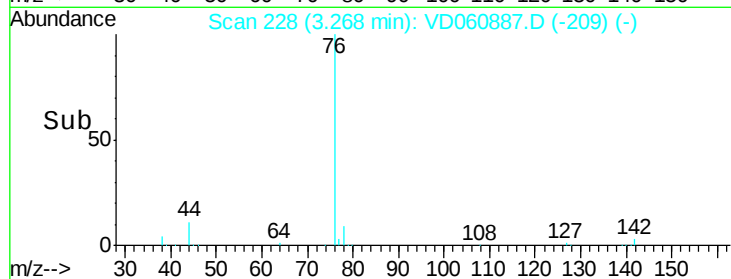
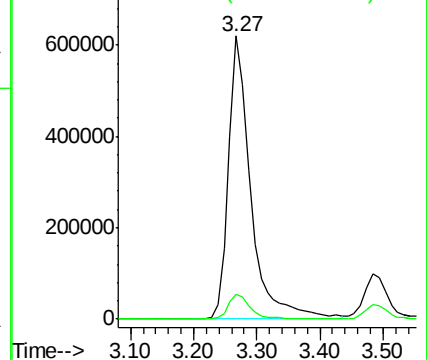
76 100

78 8.7 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 24.823 ug/l

RT: 3.50 min Scan# 252

Delta R.T. 0.00 min

Lab File: VD060887.D

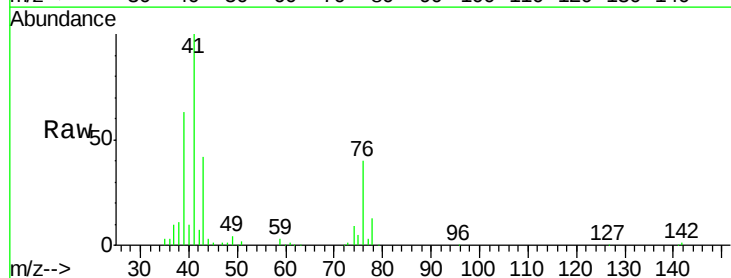
Acq: 21 Feb 2019 17:55

Tgt Ion: 43 Resp: 172530

Ion Ratio Lower Upper

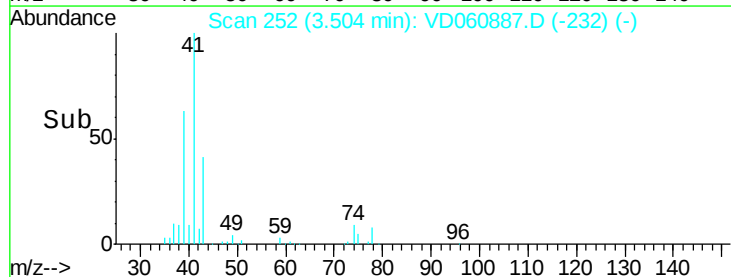
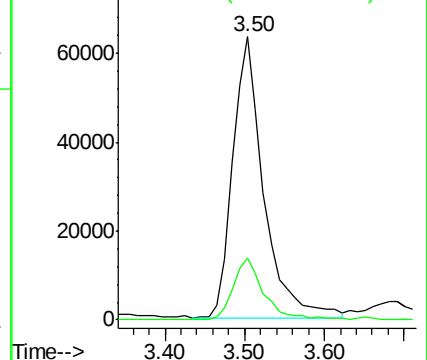
43 100

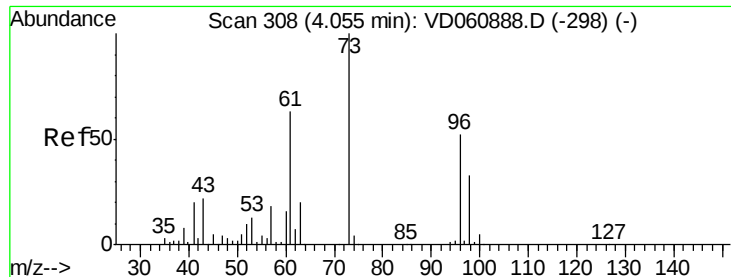
74 21.7 18.6 28.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



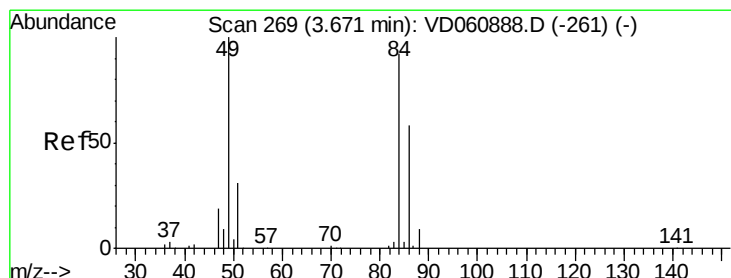
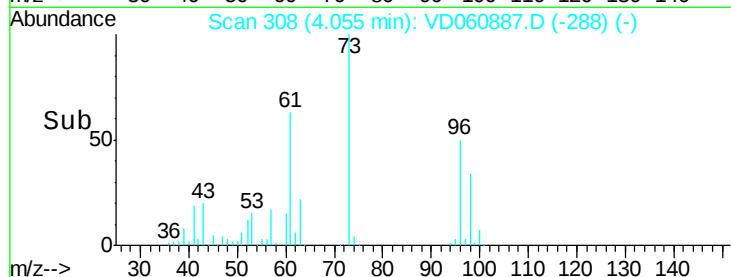
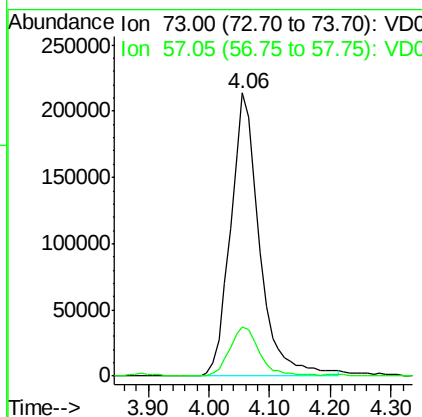
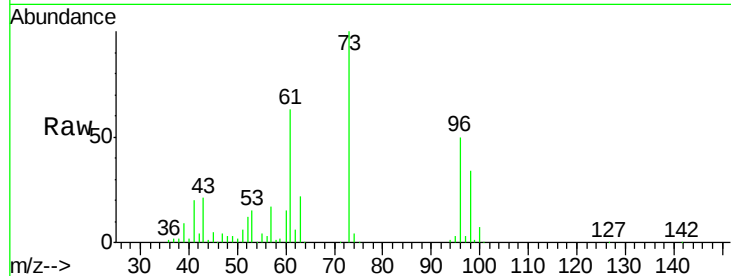


#19

Methyl tert-butyl Ether
 Concen: 17.514 ug/l
 RT: 4.06 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

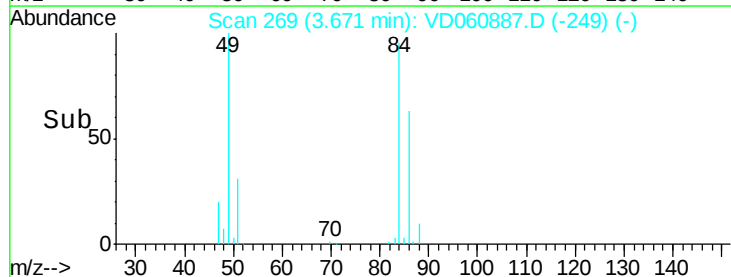
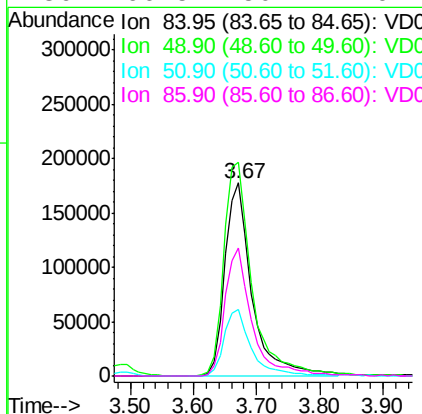
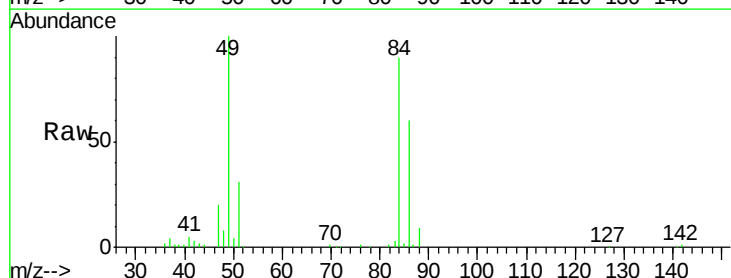
Tot Ion: 73 Resp: 709861
 Ion Ratio Lower Upper
 73 100
 57 17.3 14.5 21.7

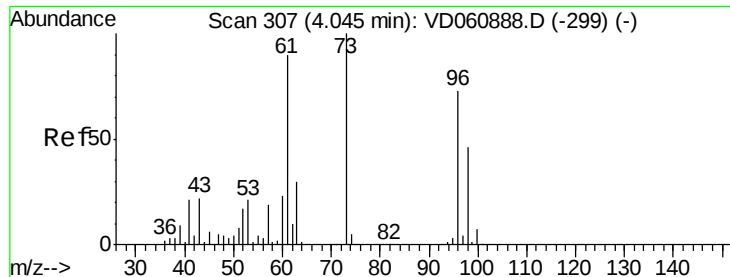


#20

Methylene Chloride
 Concen: 20.404 ug/l
 RT: 3.67 min Scan# 269
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Tgt Ion: 84 Resp: 528829
 Ion Ratio Lower Upper
 84 100
 49 110.7 87.2 130.8
 51 34.3 27.4 41.0
 86 66.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 20.859 ug/l

RT: 4.05 min Scan# 307

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

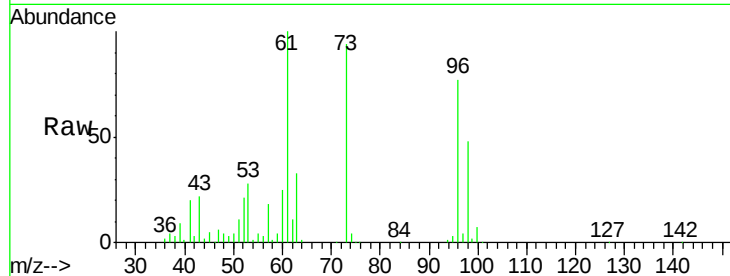
Tot Ion: 96 Resp: 418972

Ion Ratio Lower Upper

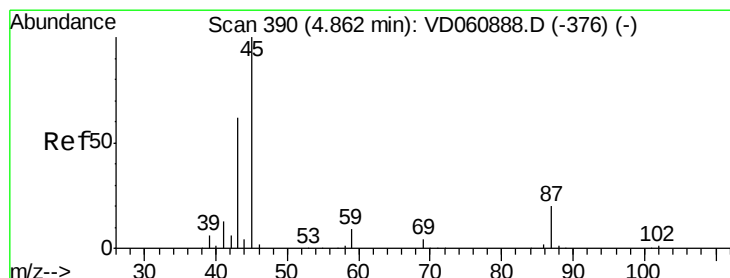
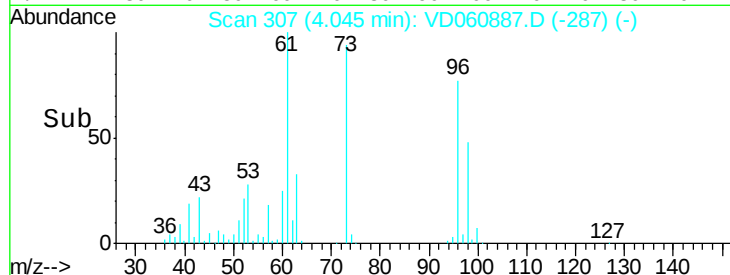
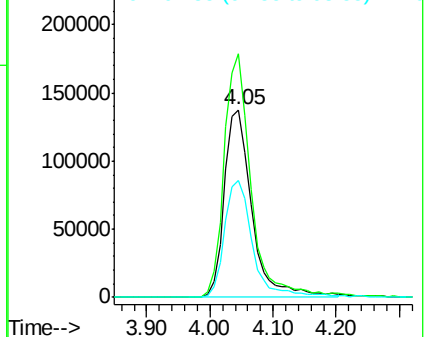
96 100

61 129.7 99.4 149.2

98 62.0 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: 17.829 ug/l

RT: 4.86 min Scan# 390

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Tgt Ion: 45 Resp: 1292230

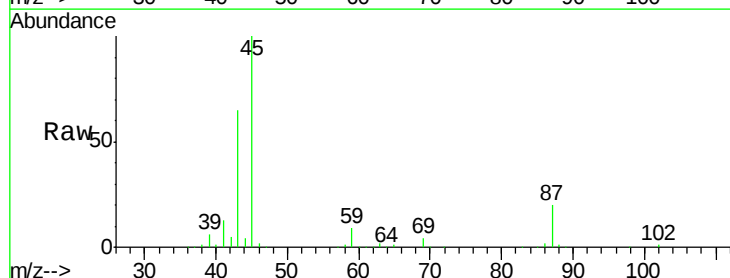
Ion Ratio Lower Upper

45 100

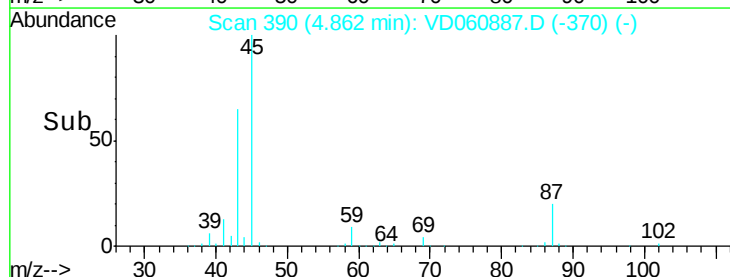
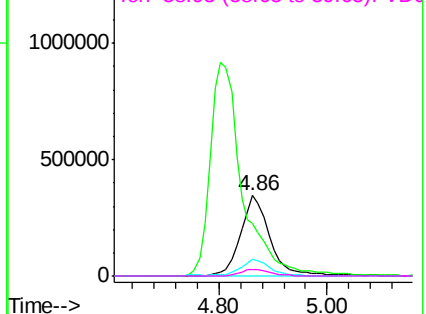
43 65.3 49.8 74.8

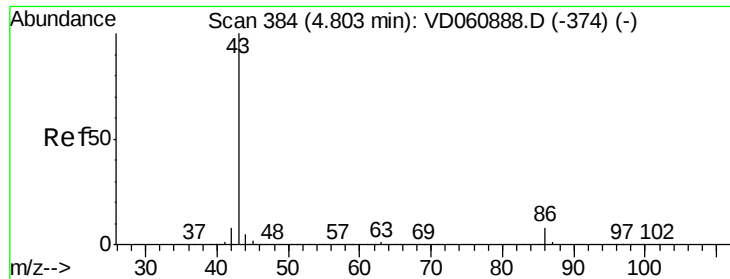
87 20.0 16.7 25.1

59 8.6 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

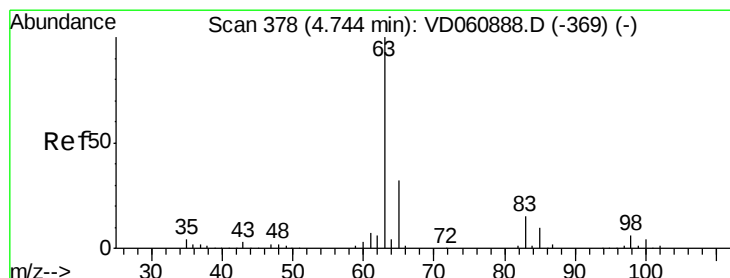
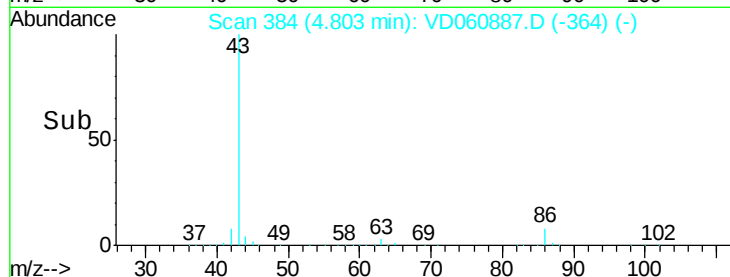
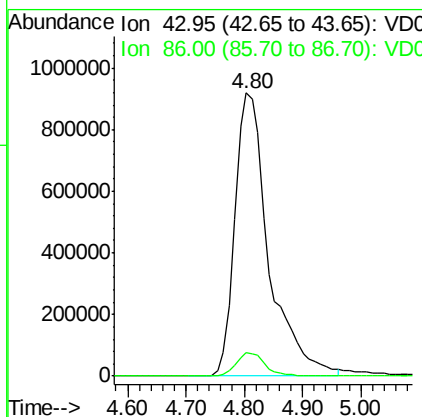
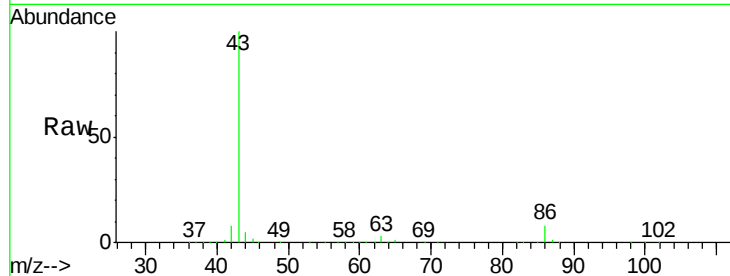




#23
 Vinyl Acetate
 Concen: 86.737 ug/l
 RT: 4.80 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

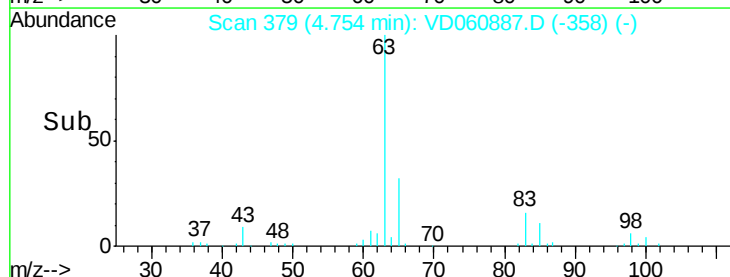
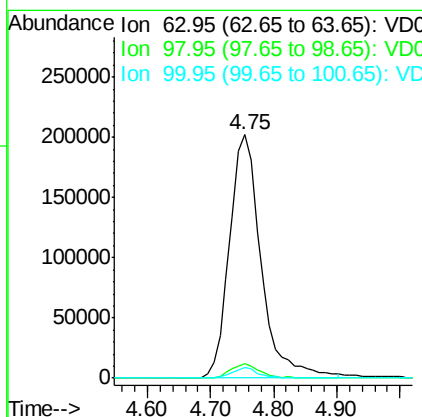
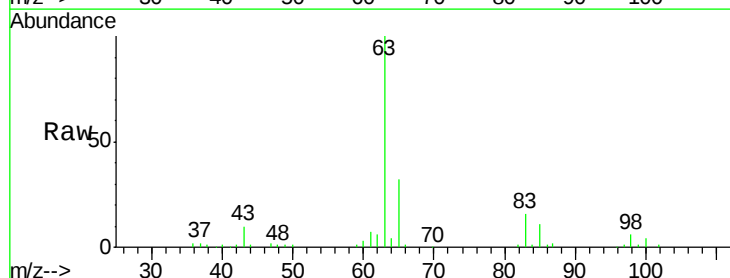
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

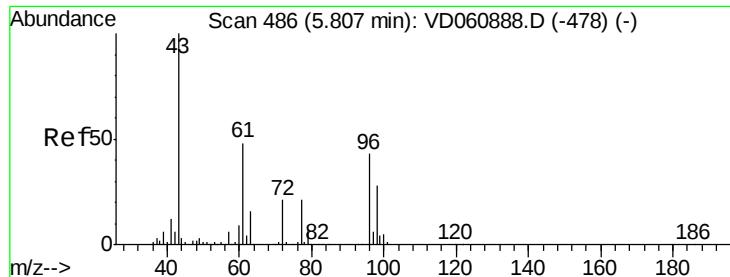
Tot Ion: 43 Resp: 3722001
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 18.035 ug/l
 RT: 4.75 min Scan# 379
 Delta R.T. 0.01 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Tgt Ion: 63 Resp: 702271
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 4.2 1.8 5.4





#25

2-Butanone

Concen: 81.667 ug/l

RT: 5.82 min Scan# 487

Delta R.T. 0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

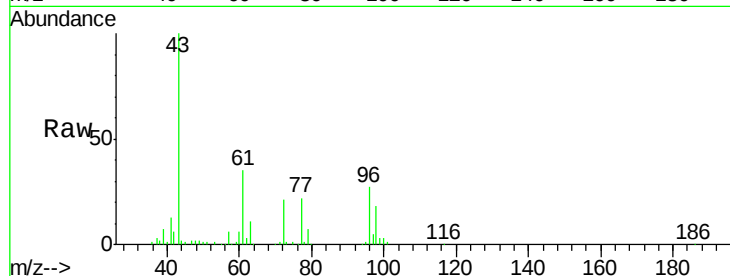
VSTDIC020

Tot Ion: 43 Resp: 503069

Ion Ratio Lower Upper

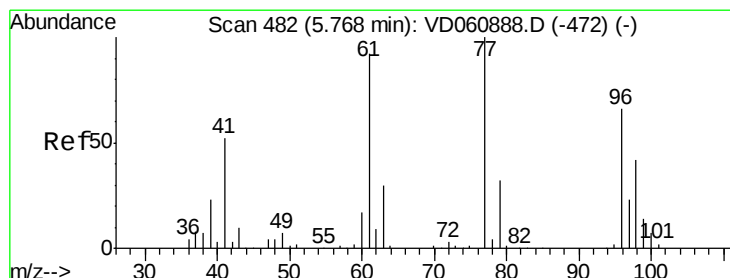
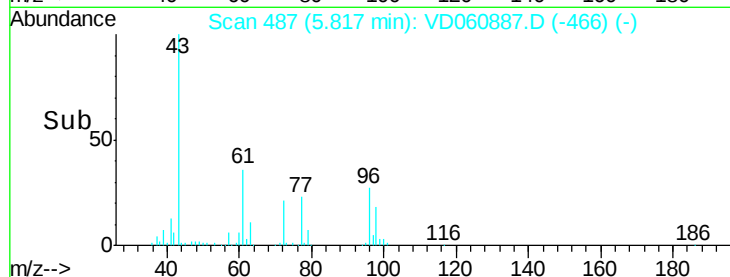
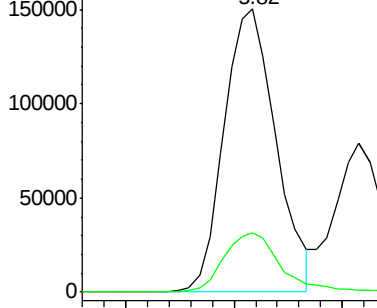
43 100

72 20.9 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: 16.699 ug/l

RT: 5.78 min Scan# 483

Delta R.T. 0.01 min

Lab File: VD060887.D

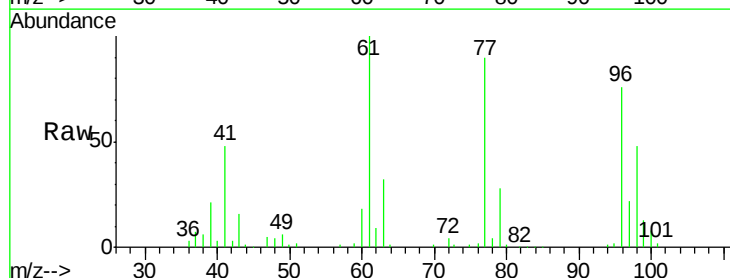
Acq: 21 Feb 2019 17:55

Tgt Ion: 77 Resp: 610376

Ion Ratio Lower Upper

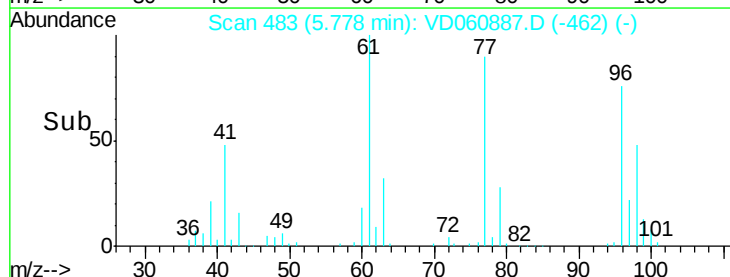
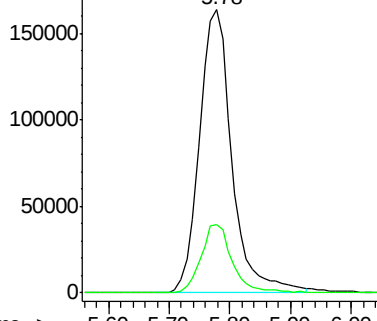
77 100

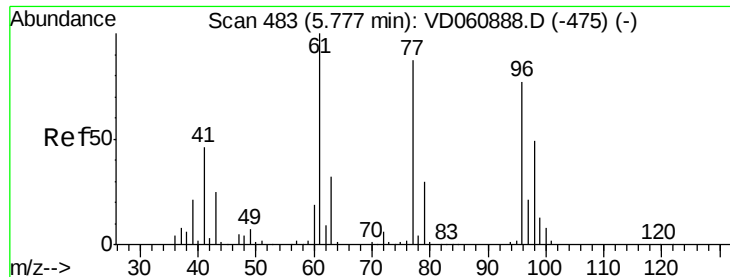
97 24.1 11.6 34.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



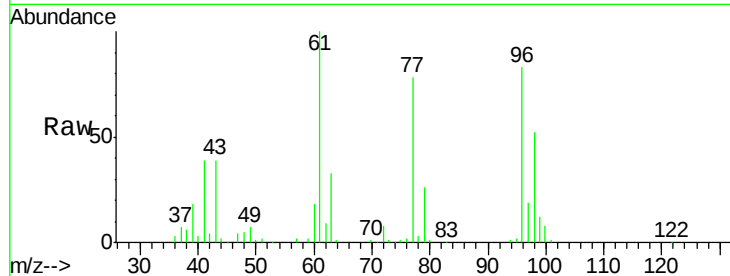


#27

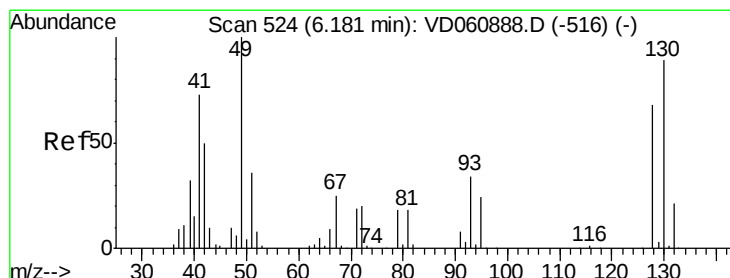
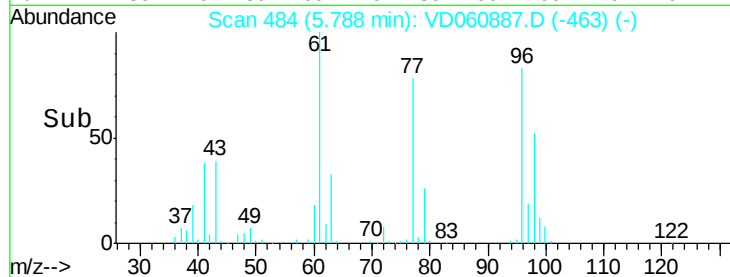
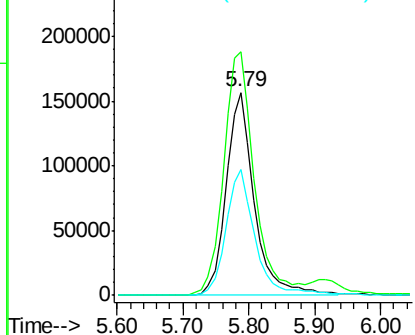
cis-1,2-Dichloroethene
Concen: 22.533 ug/l
RT: 5.79 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 468670
Ion Ratio Lower Upper
96 100
61 119.9 0.0 259.4
98 62.1 0.0 127.4



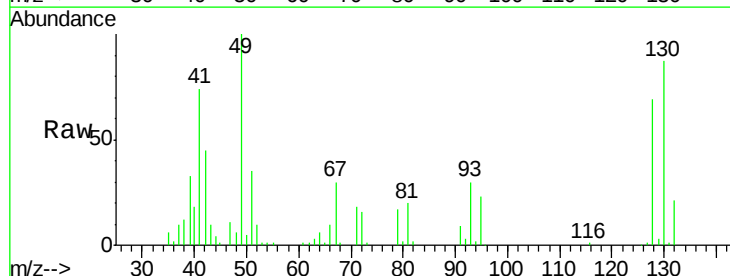
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



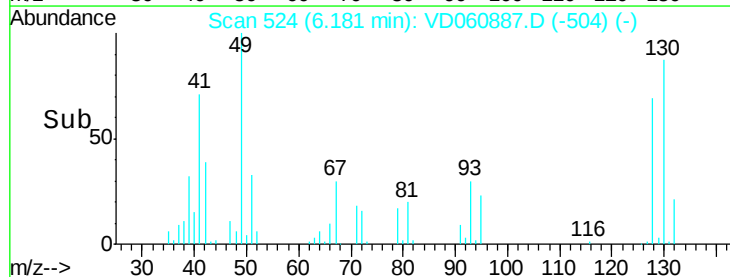
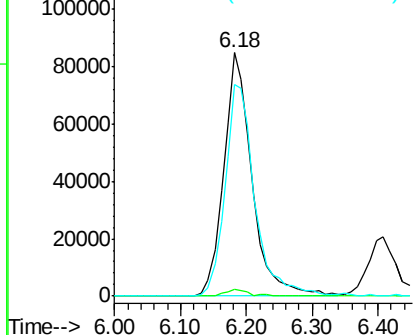
#28

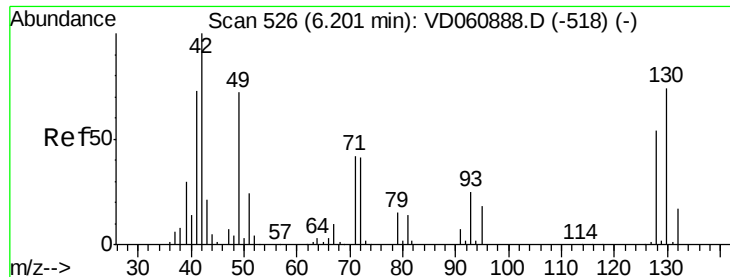
Bromochloromethane
Concen: 15.299 ug/l
RT: 6.18 min Scan# 524
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Tgt Ion: 49 Resp: 254139
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.0
130 87.0 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: 90.674 ug/l

RT: 6.21 min Scan# 527

Delta R.T. 0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

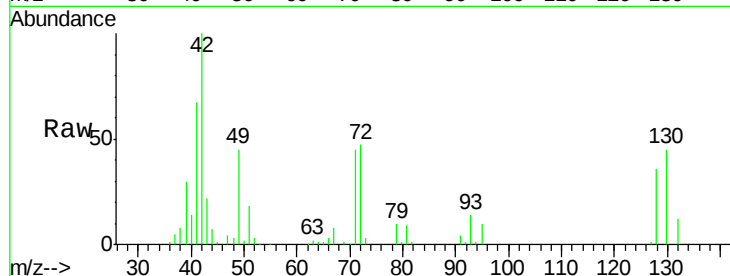
Tot Ion: 42 Resp: 277582

Ion Ratio Lower Upper

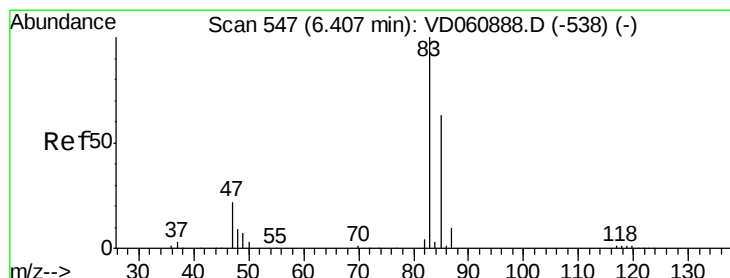
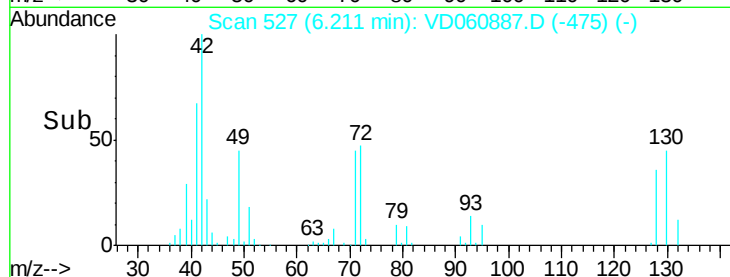
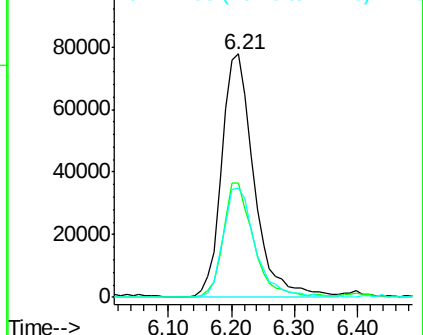
42 100

72 44.3 35.0 52.4

71 44.7 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: 19.785 ug/l

RT: 6.41 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD060887.D

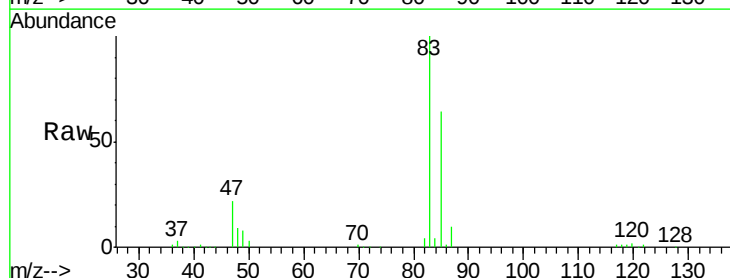
Acq: 21 Feb 2019 17:55

Tgt Ion: 83 Resp: 810741

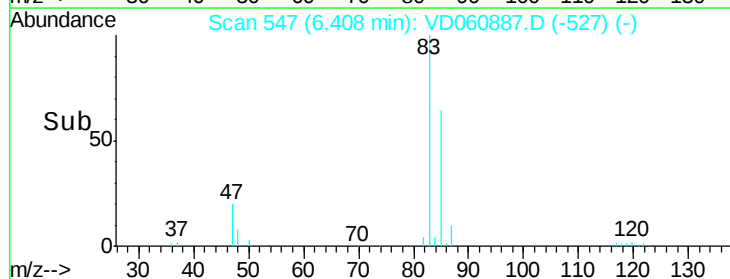
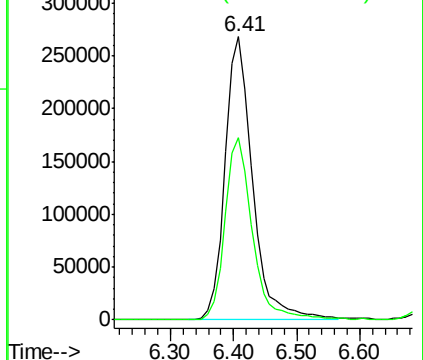
Ion Ratio Lower Upper

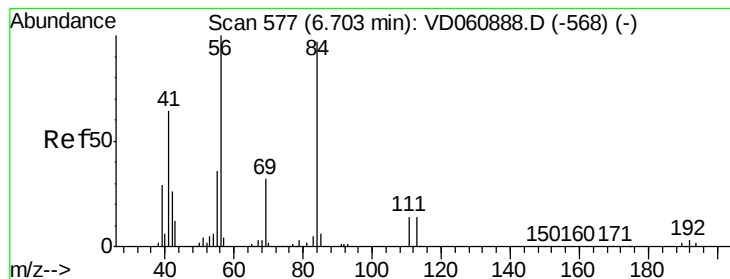
83 100

85 64.3 50.7 76.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 18.974 ug/l

RT: 6.70 min Scan# 577

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

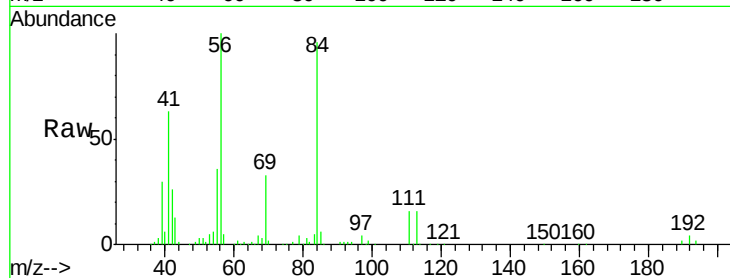
Tot Ion: 56 Resp: 620282

Ion Ratio Lower Upper

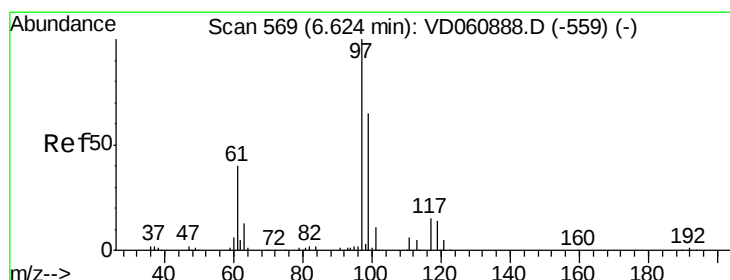
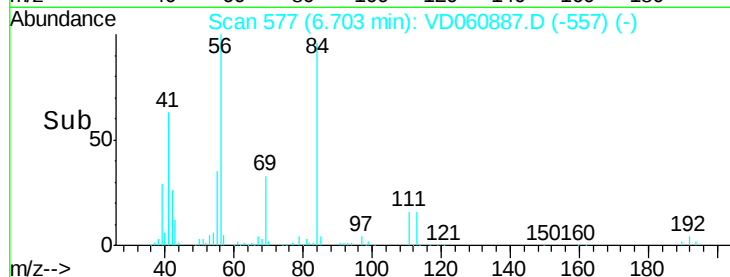
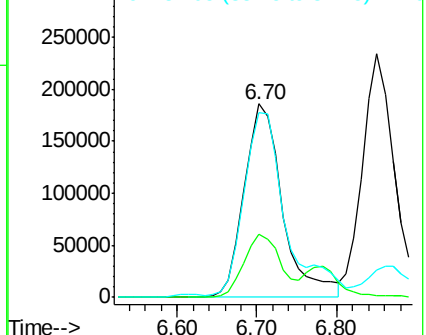
56 100

69 32.5 25.8 38.8

84 95.9 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: 16.449 ug/l

RT: 6.61 min Scan# 568

Delta R.T. -0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

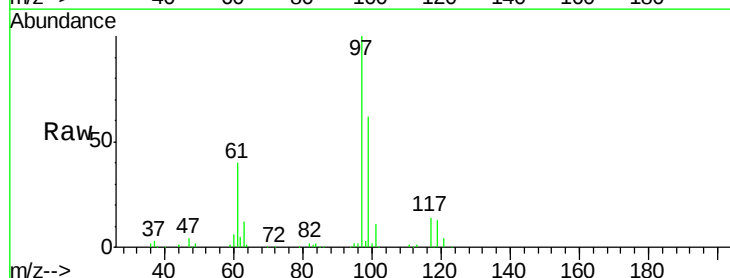
Tgt Ion: 97 Resp: 591139

Ion Ratio Lower Upper

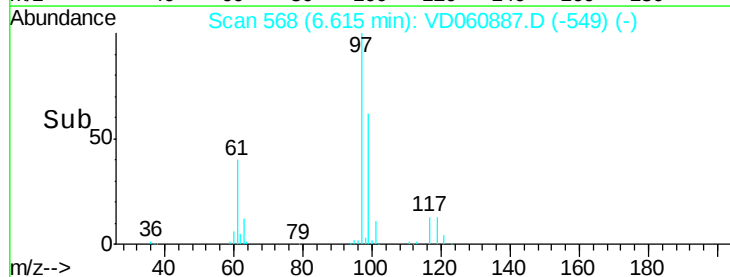
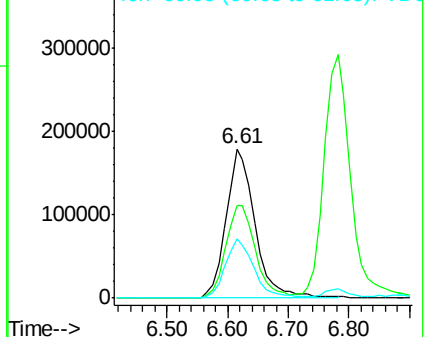
97 100

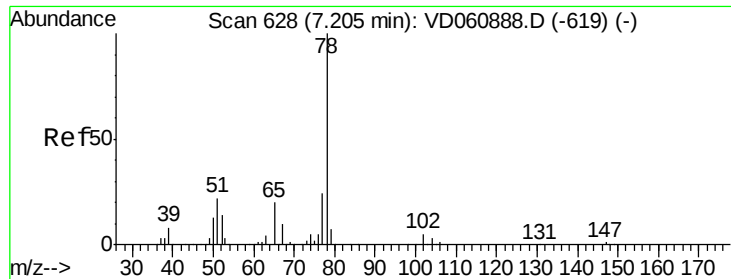
99 61.8 51.9 77.9

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: 16.449 ug/l

RT: 7.21 min Scan# 628

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

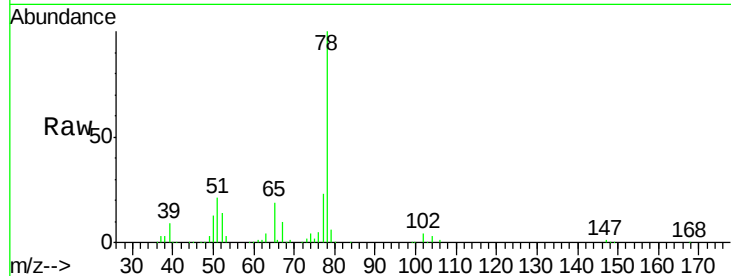
VSTDIC020

Tot Ion: 65 Resp: 270334

Ion Ratio Lower Upper

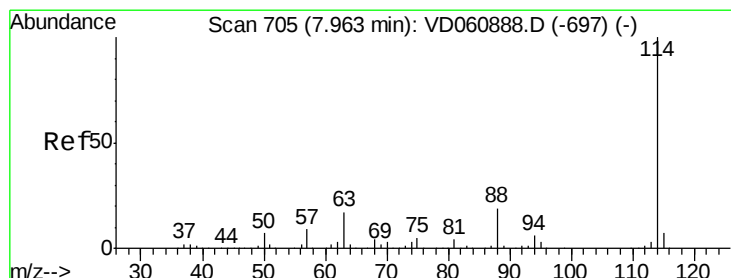
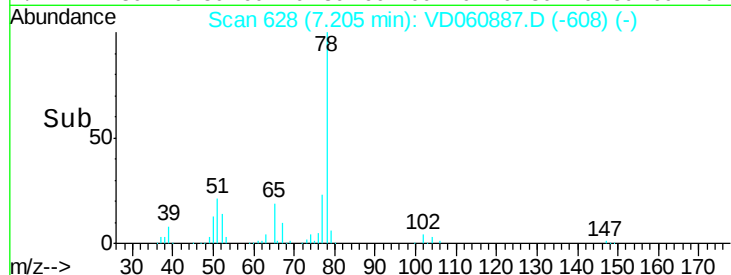
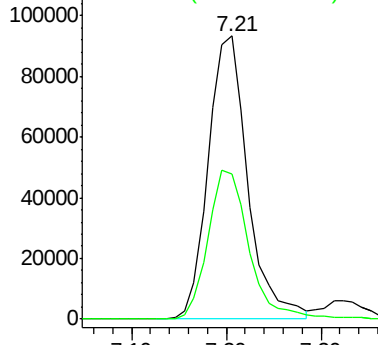
65 100

67 51.4 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: VD060887.D

Acq: 21 Feb 2019 17:55

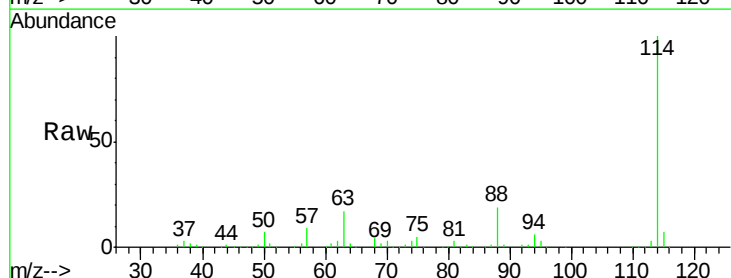
Tgt Ion: 114 Resp: 2777154

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.4

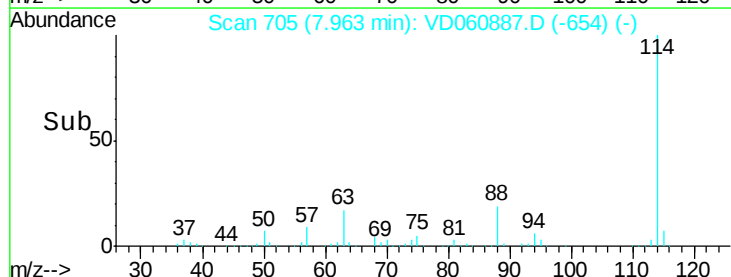
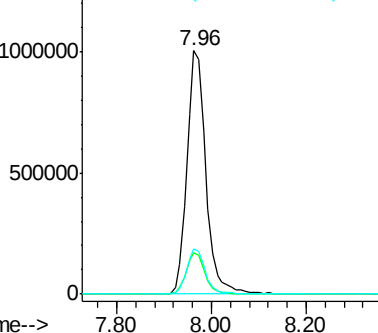
88 18.8 0.0 37.2

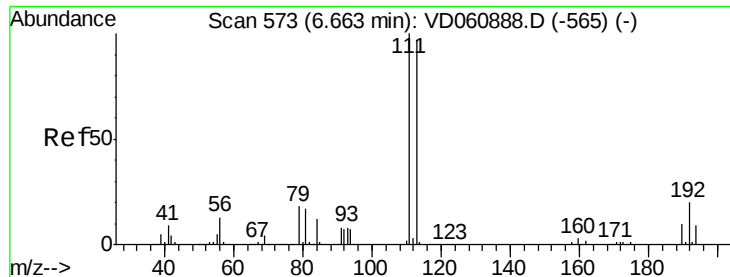


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.67 min Scan# 574

Delta R.T. 0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

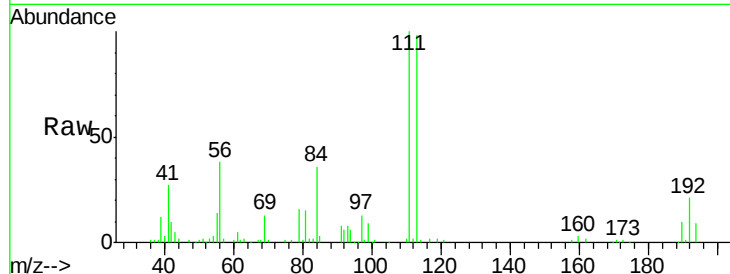
Tot Ion:113 Resp: 416631

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

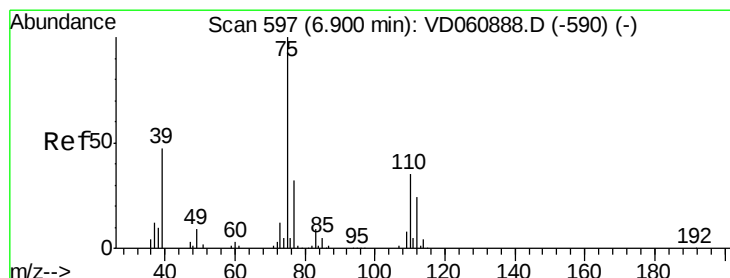
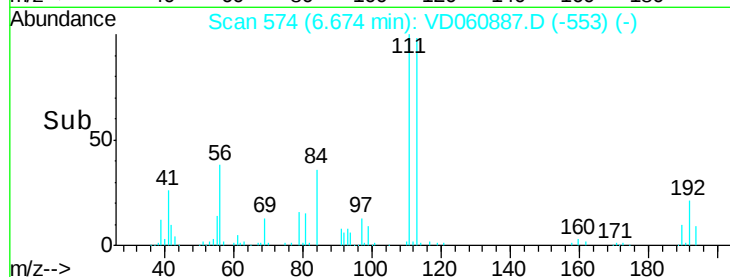
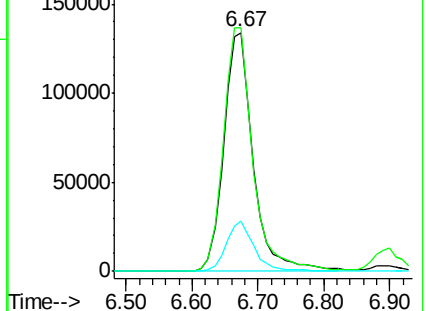
192 21.1 16.6 24.8



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: 17.743 ug/l

RT: 6.89 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

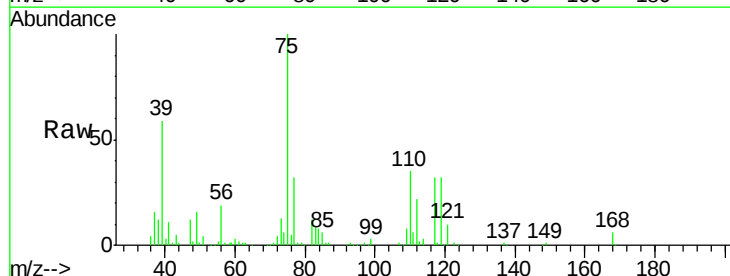
Tgt Ion: 75 Resp: 600631

Ion Ratio Lower Upper

75 100

110 34.8 17.5 52.5

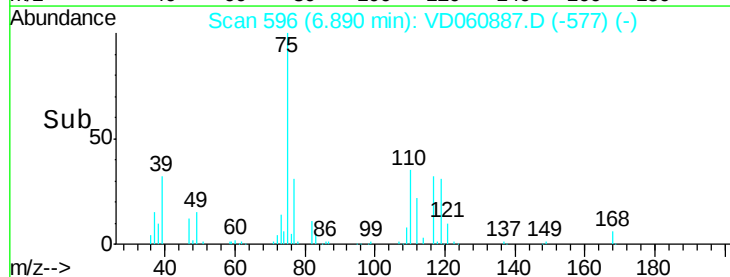
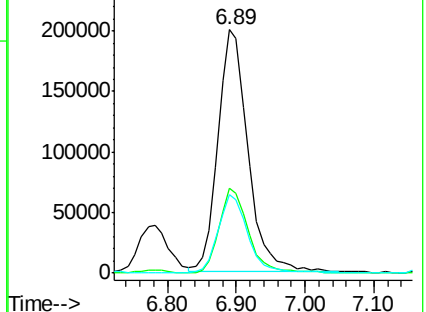
77 32.1 25.6 38.4

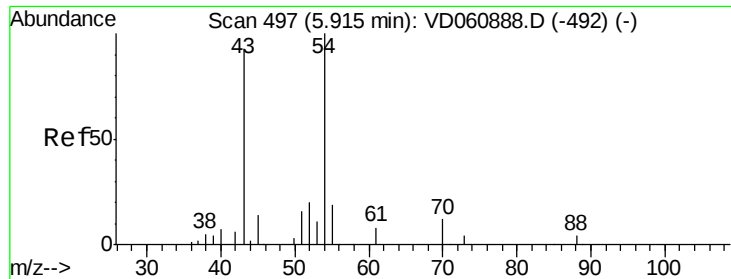


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

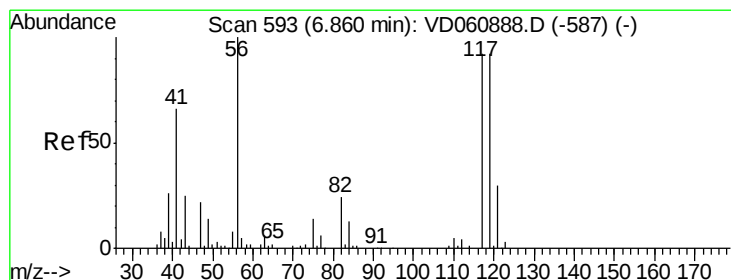
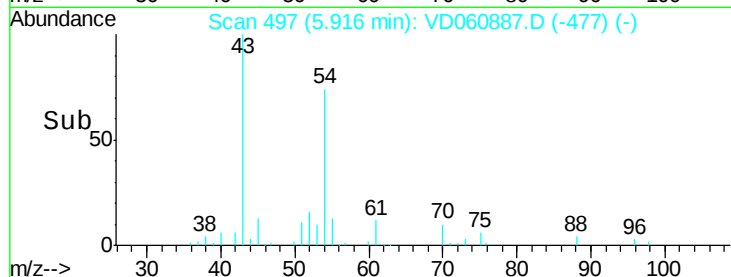
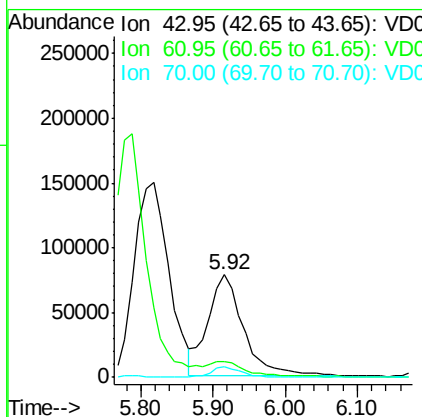
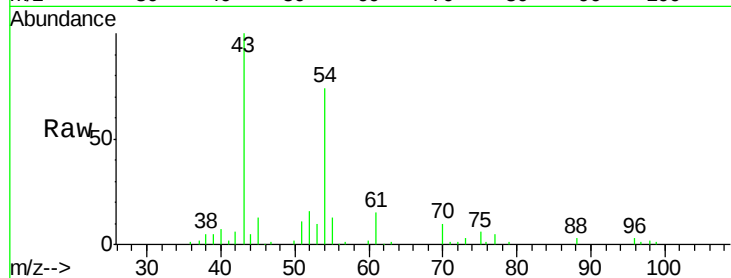




#37
Ethyl Acetate
Concen: 15.337 ug/l
RT: 5.92 min Scan# 497
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

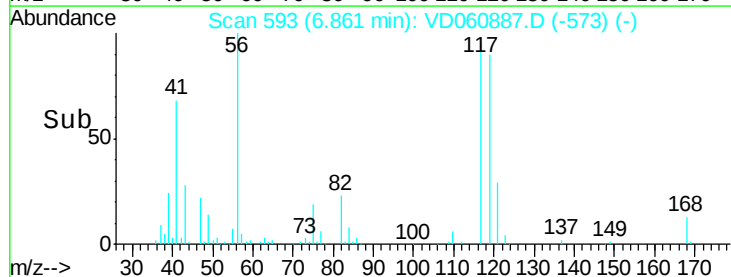
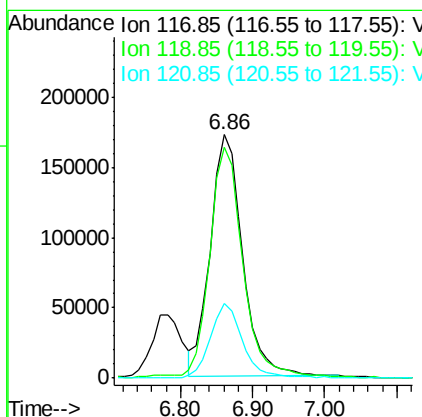
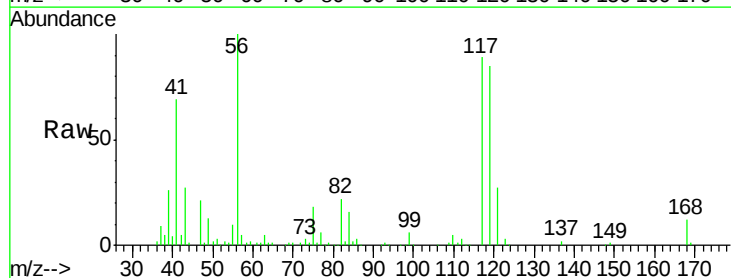
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

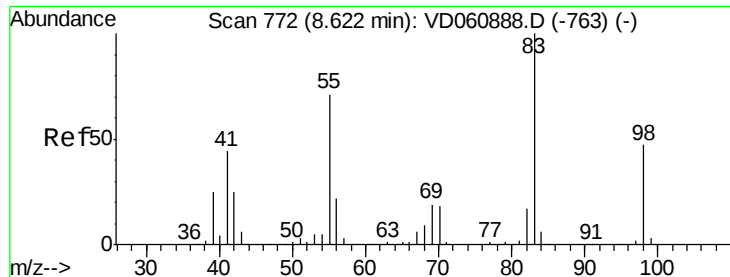
Tot Ion: 43 Resp: 266379
Ion Ratio Lower Upper
43 100
61 15.3 12.9 19.3
70 9.9 8.1 12.1



#38
Carbon Tetrachloride
Concen: 15.367 ug/l
RT: 6.86 min Scan# 593
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Tgt Ion: 117 Resp: 531658
Ion Ratio Lower Upper
117 100
119 94.9 75.7 113.5
121 30.5 24.9 37.3

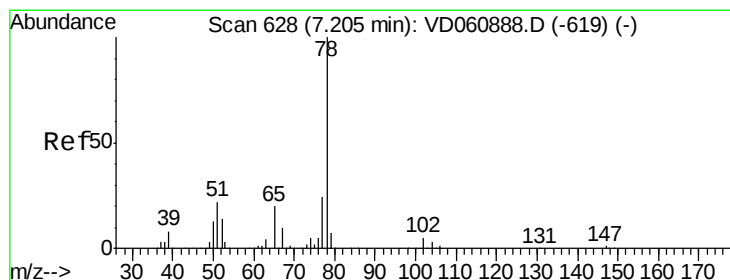
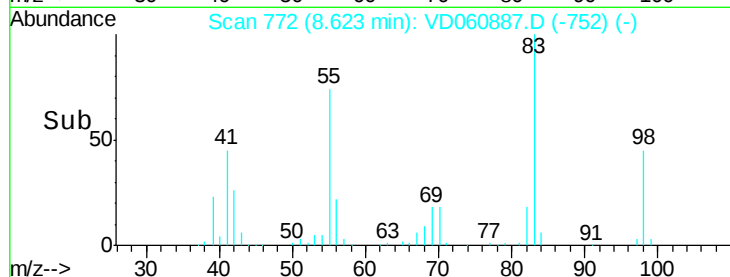
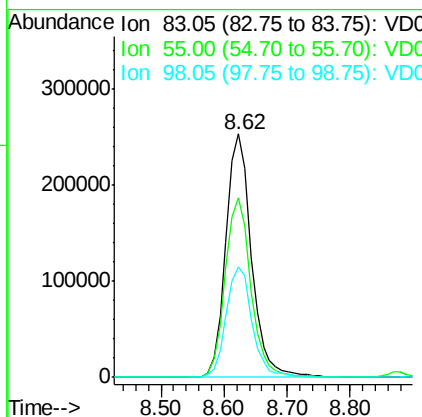
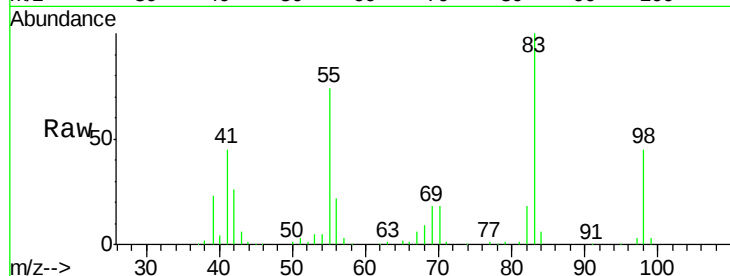




#39
Methvlcvclohexane
Concen: 21.659 ug/l
RT: 8.62 min Scan# 772
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

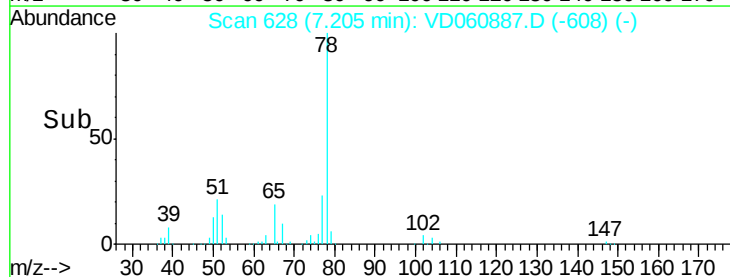
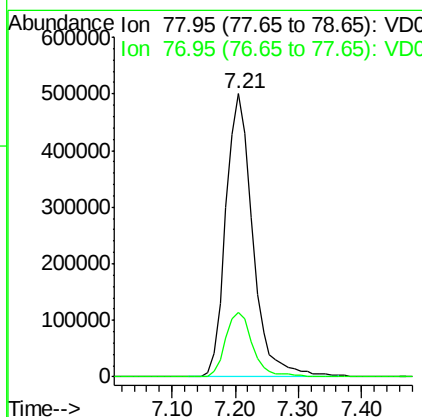
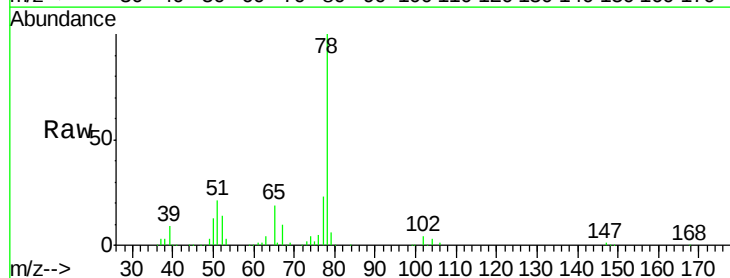
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

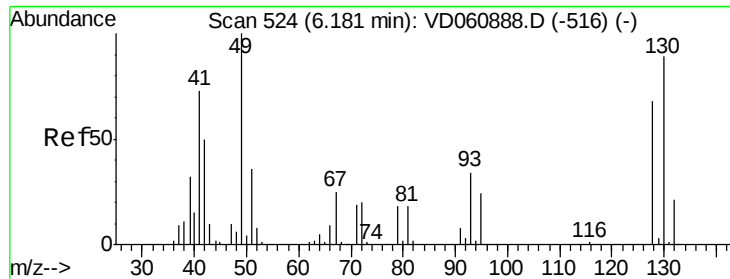
Tot Ion: 83 Resp: 712439
Ion Ratio Lower Upper
83 100
55 74.0 57.1 85.7
98 45.3 37.5 56.3



#40
Benzene
Concen: 19.376 ug/l
RT: 7.21 min Scan# 628
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Tgt Ion: 78 Resp: 1483051
Ion Ratio Lower Upper
78 100
77 22.9 19.1 28.7

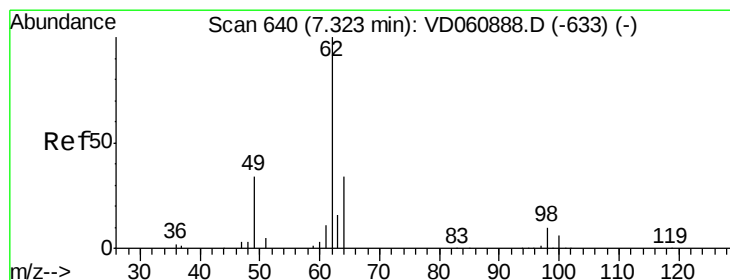
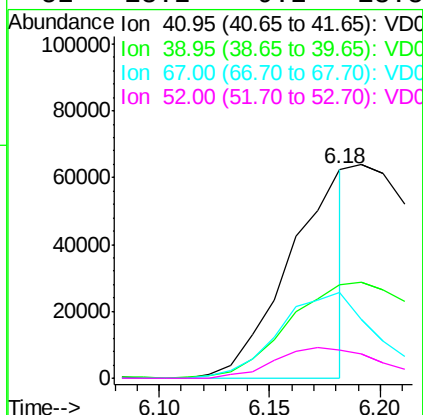
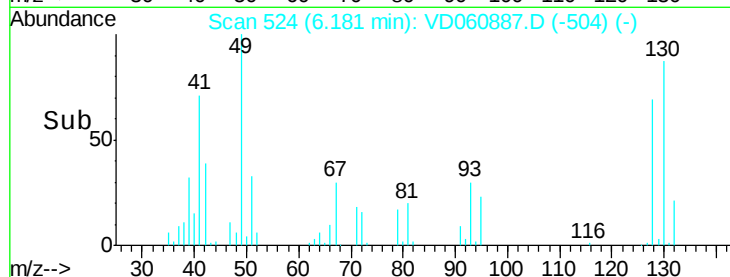
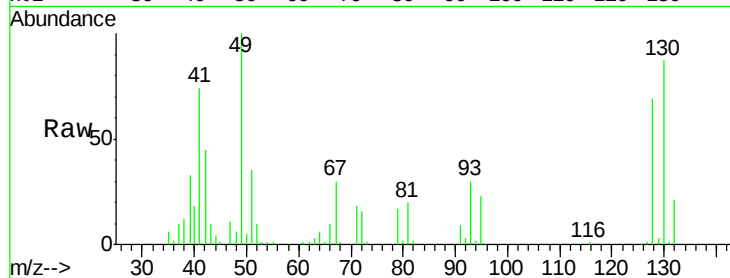




#41
Methacrylonitrile
Concen: 9.800 ug/l m
RT: 6.18 min Scan# 524
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

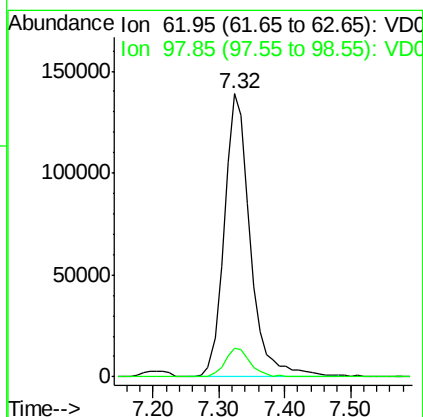
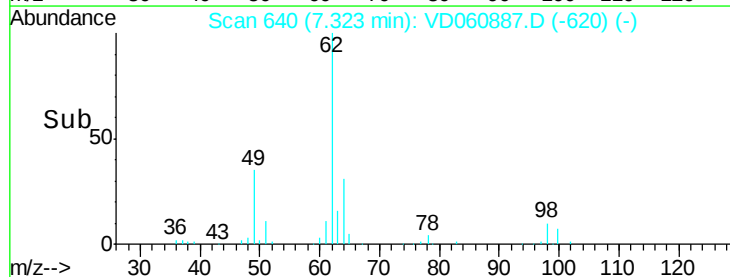
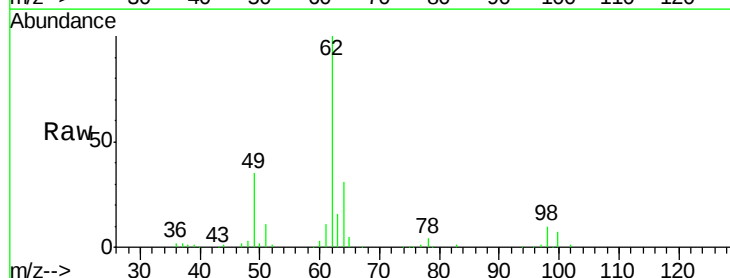
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

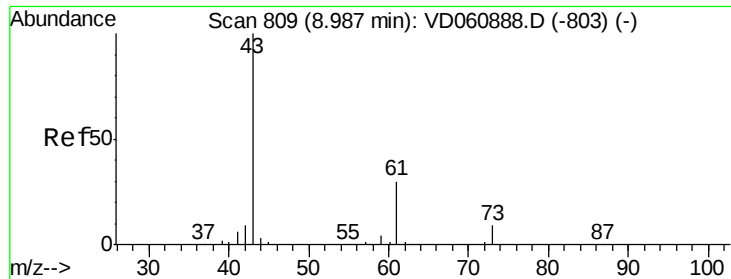
Tot Ion: 41 Resp: 116133
Ion Ratio Lower Upper
41 100
39 44.8 35.1 52.7
67 40.8 28.0 42.0
52 13.2 9.2 13.8



#42
1,2-Dichloroethane
Concen: 13.035 ug/l
RT: 7.32 min Scan# 640
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Tgt Ion: 62 Resp: 383356
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.4



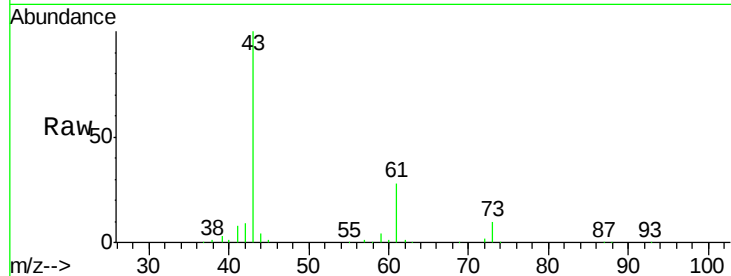


#43

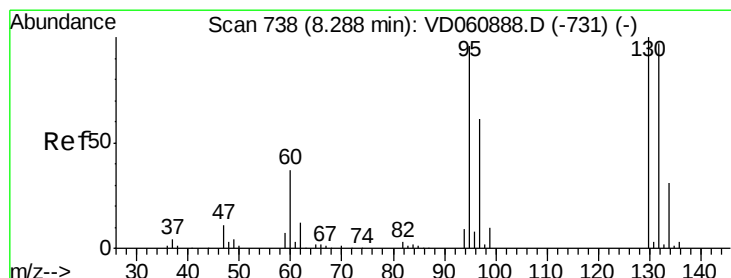
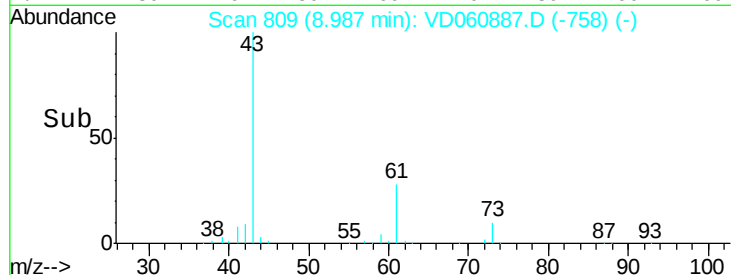
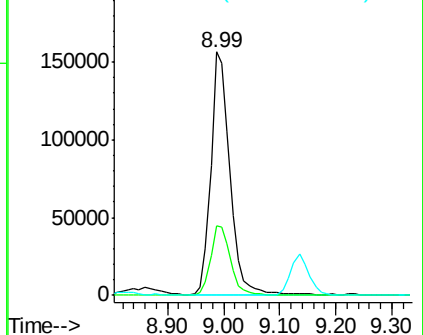
Isopropyl Acetate
 Concen: 17.045 ug/l
 RT: 8.99 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 376076
 Ion Ratio Lower Upper
 43 100
 61 28.3 23.9 35.9
 87 0.2 0.2 0.4



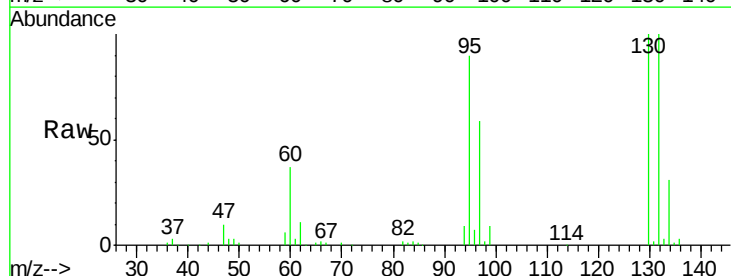
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



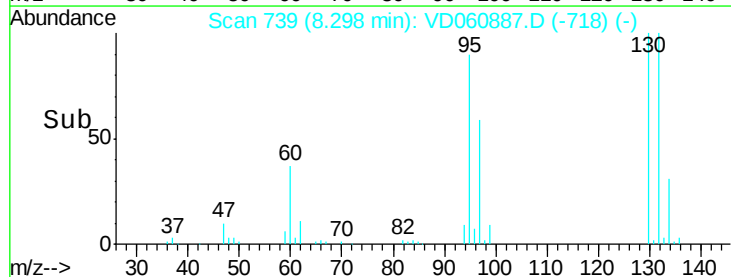
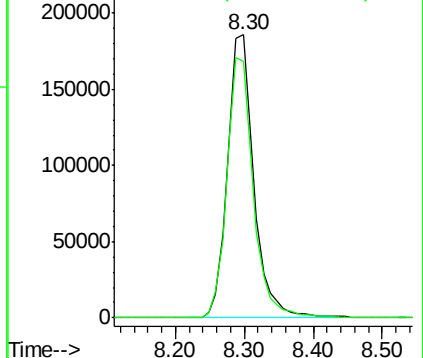
#44

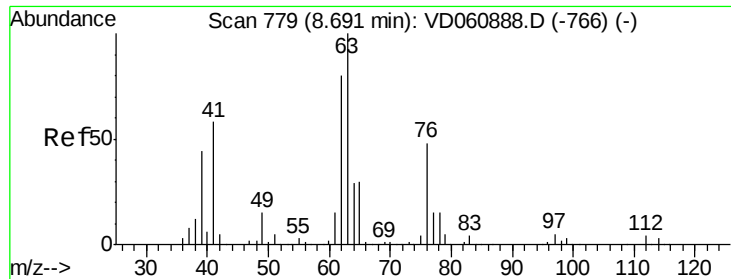
Trichloroethene
 Concen: 21.573 ug/l
 RT: 8.30 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Tgt Ion: 130 Resp: 491835
 Ion Ratio Lower Upper
 130 100
 95 90.5 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: 17.200 ug/l

RT: 8.69 min Scan# 779

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

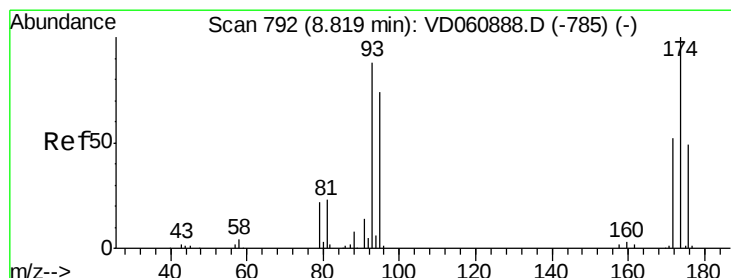
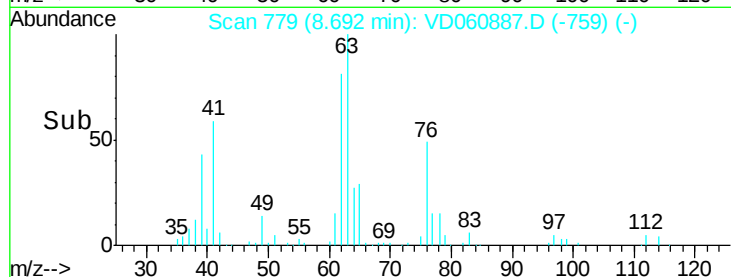
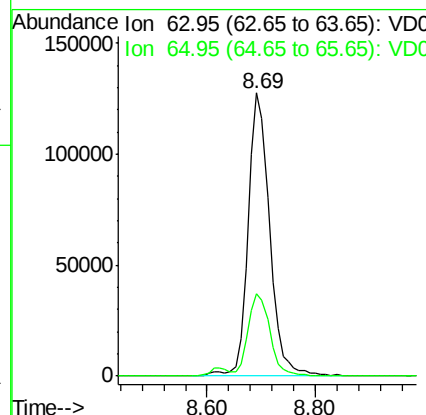
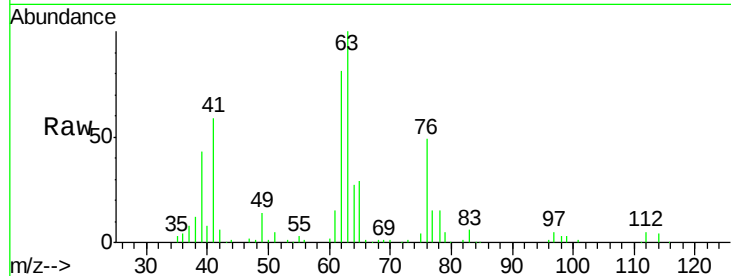
VSTDIC020

Tot Ion: 63 Resp: 351465

Ion Ratio Lower Upper

63 100

65 29.2 24.1 36.1



#46

Dibromomethane

Concen: 18.420 ug/l

RT: 8.82 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

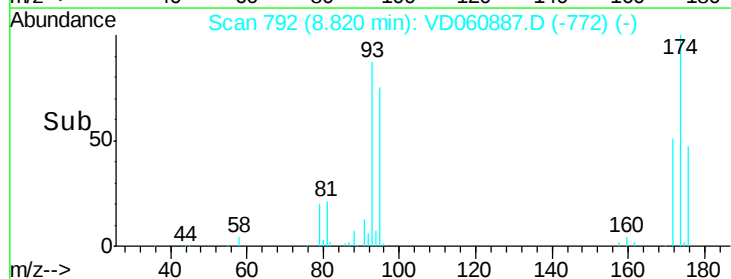
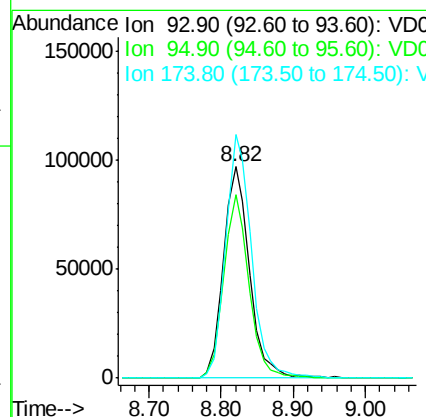
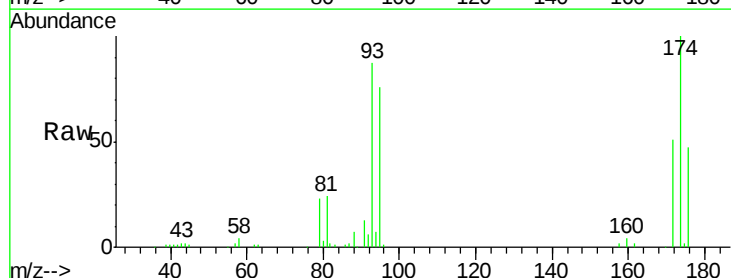
Tgt Ion: 93 Resp: 241355

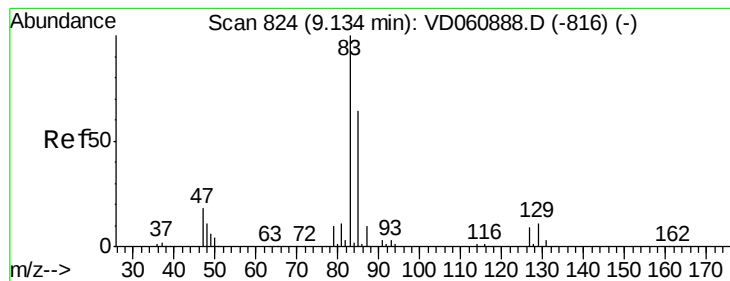
Ion Ratio Lower Upper

93 100

95 87.0 67.2 100.8

174 115.1 91.1 136.7





#47

Bromodichloromethane

Concen: 18.362 ug/l

RT: 9.13 min Scan# 824

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

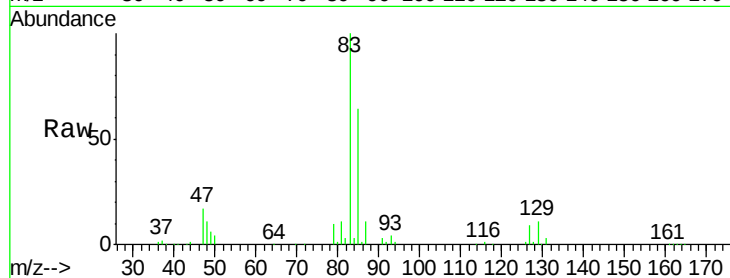
Tot Ion: 83 Resp: 602060

Ion Ratio Lower Upper

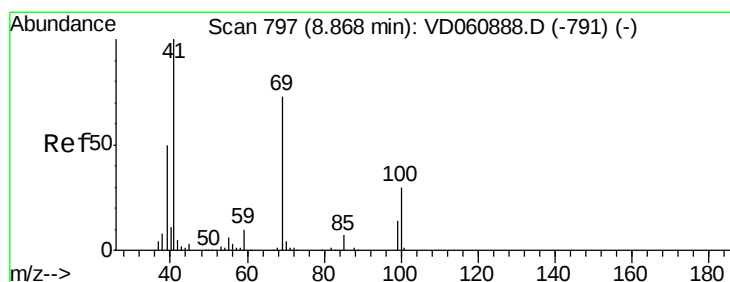
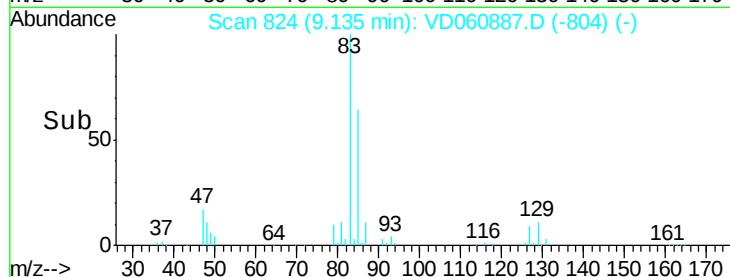
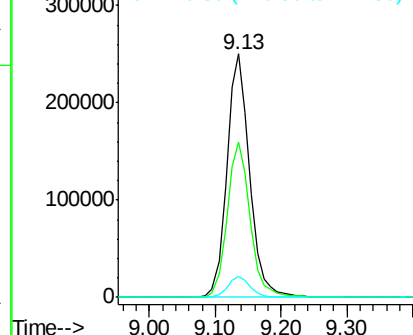
83 100

85 63.6 51.3 76.9

127 8.7 6.9 10.3



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



#48

Methyl methacrylate

Concen: 14.812 ug/l

RT: 8.88 min Scan# 798

Delta R.T. 0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

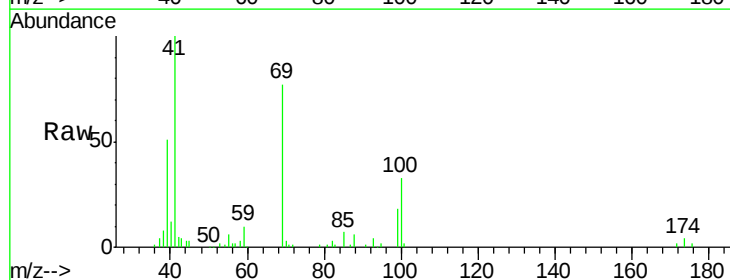
Tgt Ion: 41 Resp: 220241

Ion Ratio Lower Upper

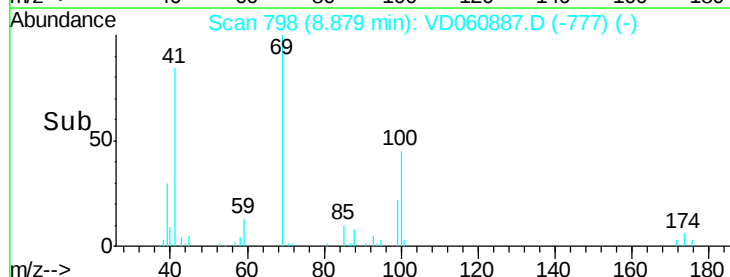
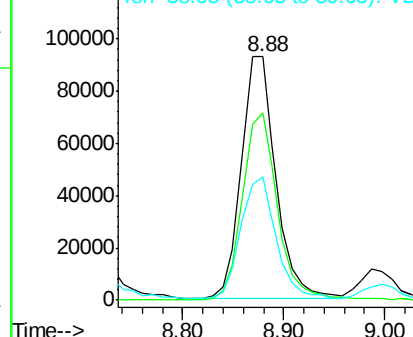
41 100

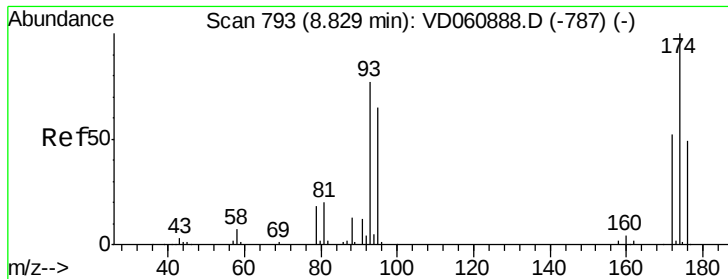
69 76.7 57.8 86.6

39 50.6 40.0 60.0



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





#49

1,4-Dioxane

Concen: 443.355 ug/l

RT: 8.84 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

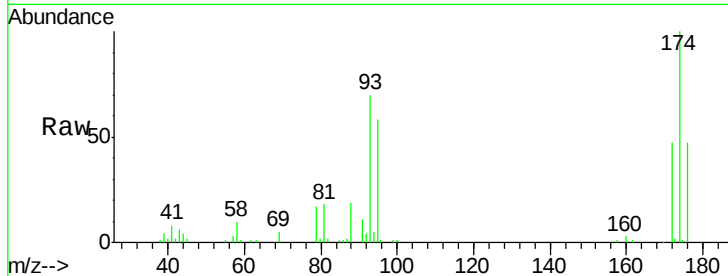
Tot Ion: 88 Resp: 48886

Ion Ratio Lower Upper

88 100

43 34.0 21.6 32.4#

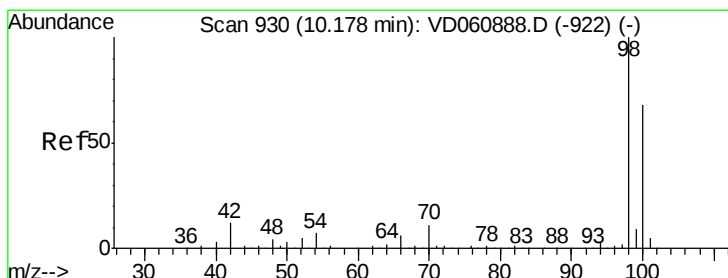
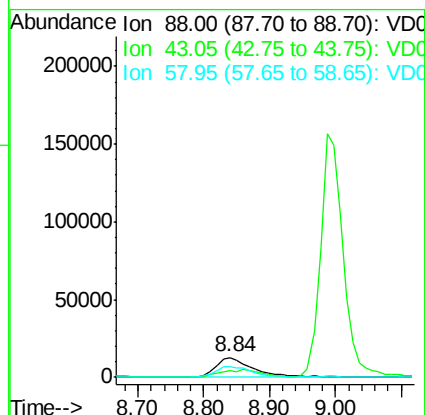
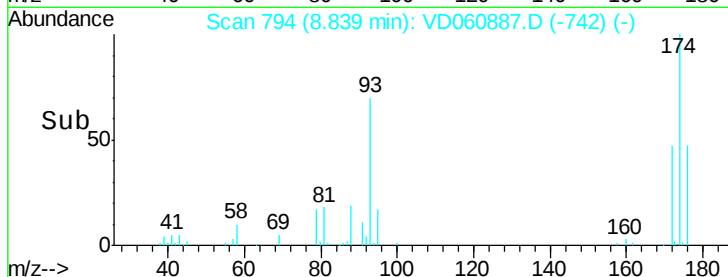
58 54.6 43.0 64.6



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: 443.355 ug/l

RT: 10.18 min Scan# 930

Delta R.T. 0.00 min

Lab File: VD060887.D

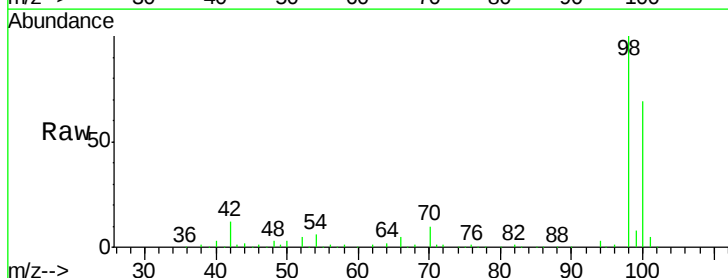
Acq: 21 Feb 2019 17:55

Tgt Ion: 98 Resp: 1089619

Ion Ratio Lower Upper

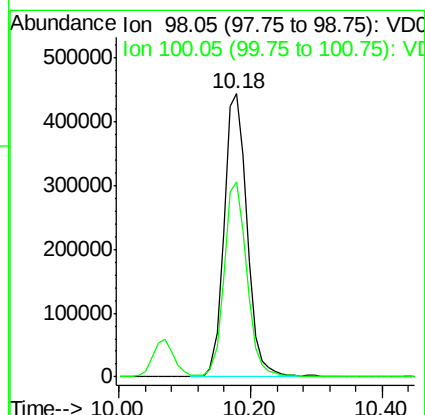
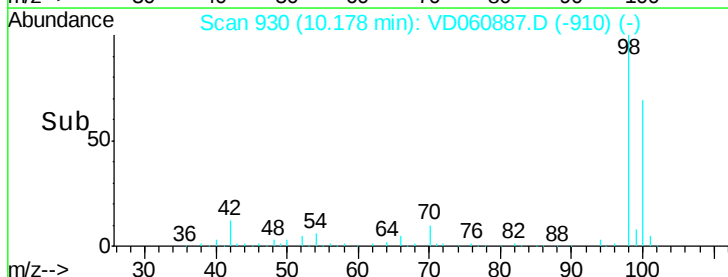
98 100

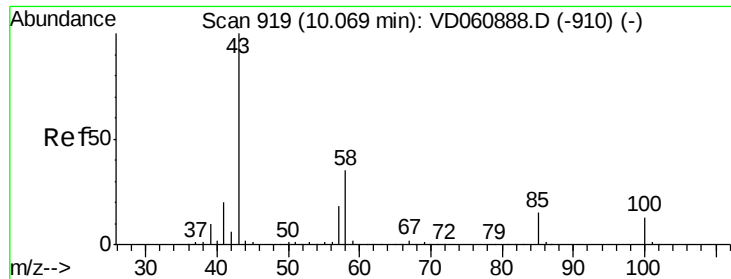
100 68.9 55.7 83.5



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: 81.478 ug/l

RT: 10.06 min Scan# 918

Delta R.T. -0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

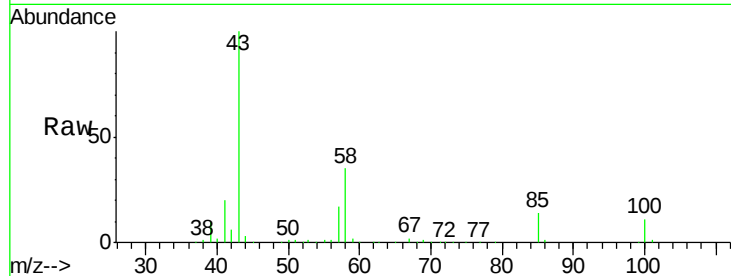
VSTDIC020

Tot Ion: 43 Resp: 1158173

Ion Ratio Lower Upper

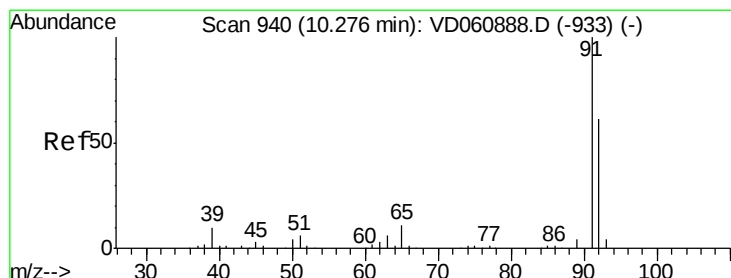
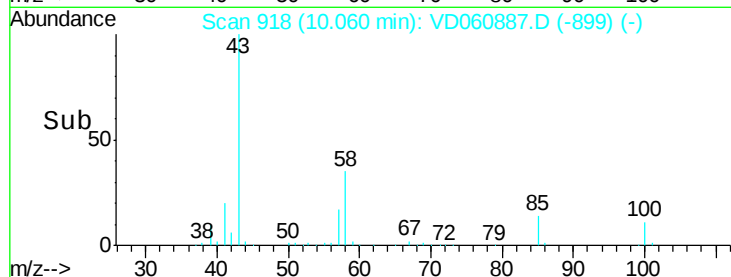
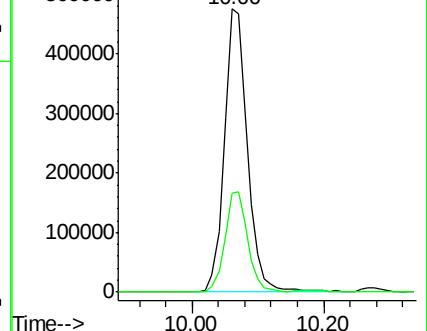
43 100

58 34.8 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: 21.479 ug/l

RT: 10.28 min Scan# 940

Delta R.T. 0.00 min

Lab File: VD060887.D

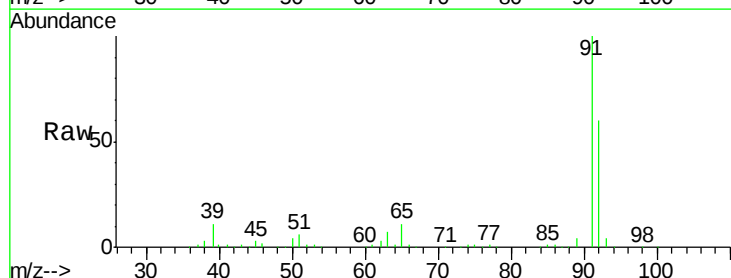
Acq: 21 Feb 2019 17:55

Tgt Ion: 92 Resp: 946325

Ion Ratio Lower Upper

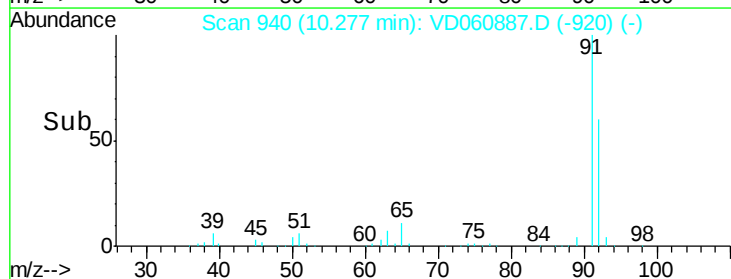
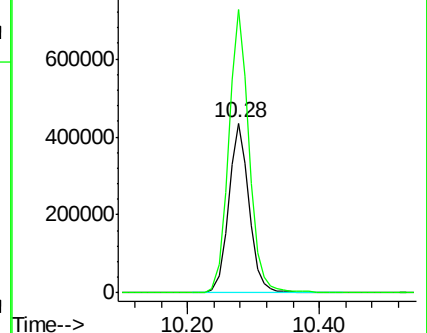
92 100

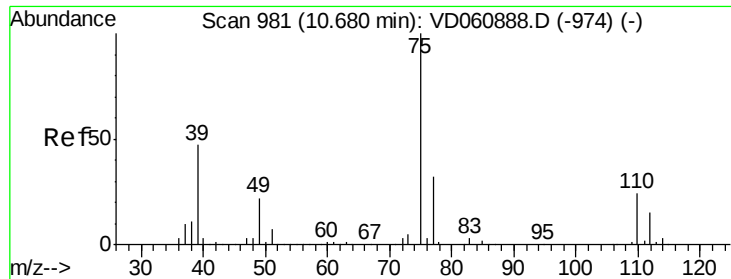
91 167.0 130.9 196.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

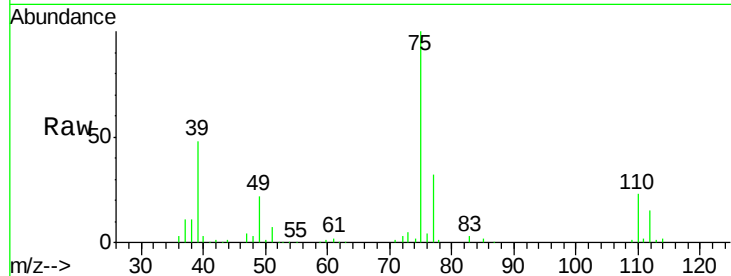




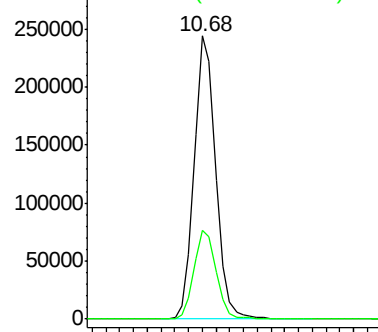
#53
 t-1,3-Dichloropropene
 Concen: 17.990 ug/l
 RT: 10.68 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

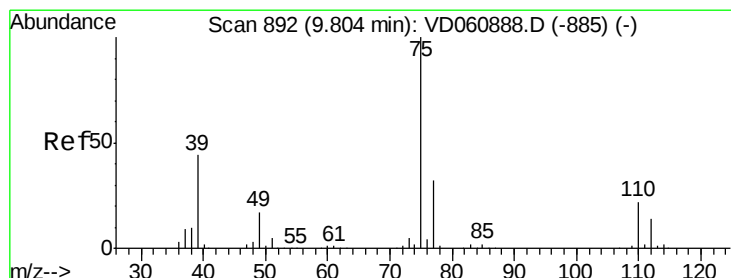
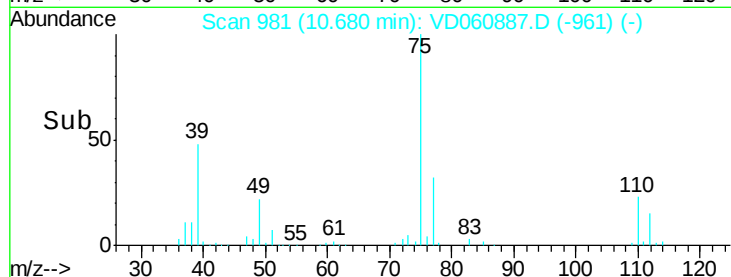
Tot Ion: 75 Resp: 527892
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

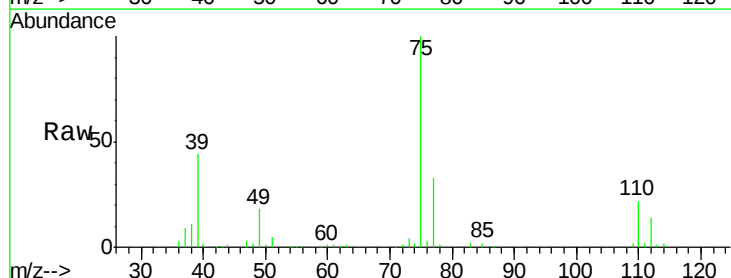


Time-->

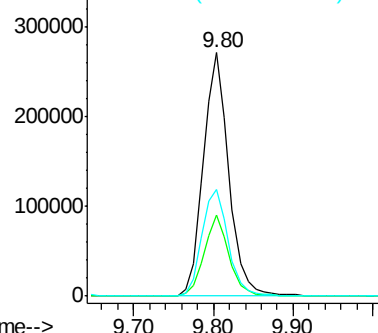


#54
 cis-1,3-Dichloropropene
 Concen: 18.029 ug/l
 RT: 9.80 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

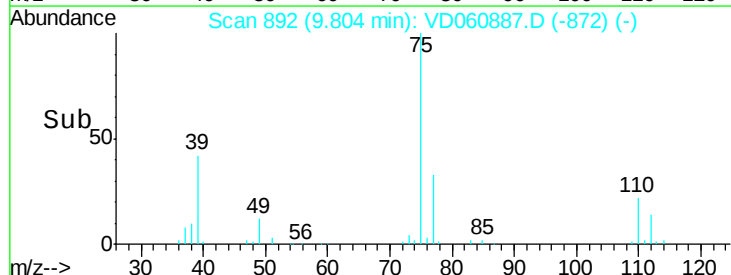
Tgt Ion: 75 Resp: 606849
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.3 37.9
 39 43.8 35.4 53.2

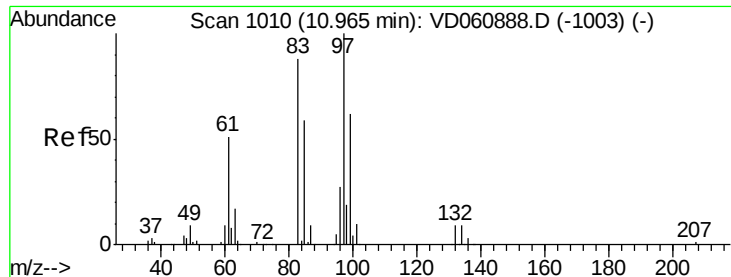


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC



Time-->





#55

1,1,2-Trichloroethane

Concen: 21.424 ug/l

RT: 10.97 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 280364

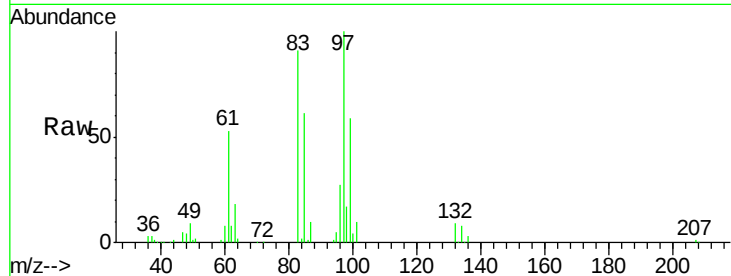
Ion Ratio Lower Upper

97 100

83 90.5 70.8 106.2

85 60.9 47.6 71.4

99 59.4 49.6 74.4

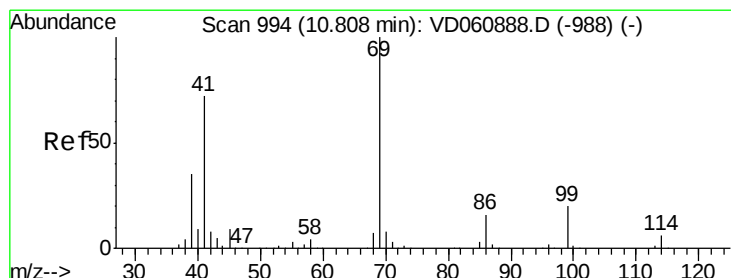
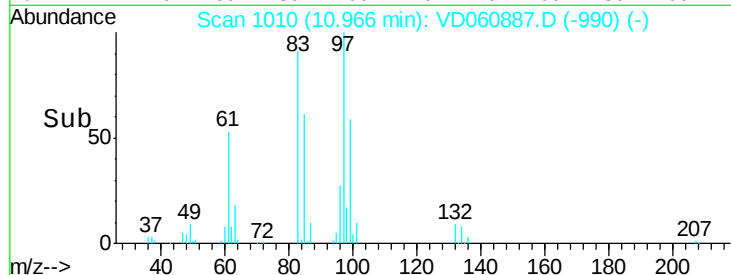
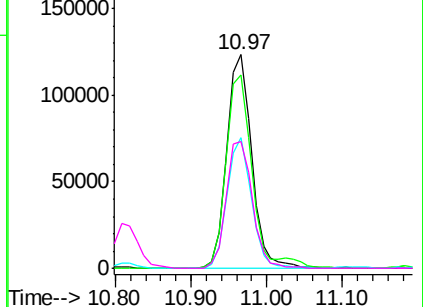


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 17.197 ug/l

RT: 10.81 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

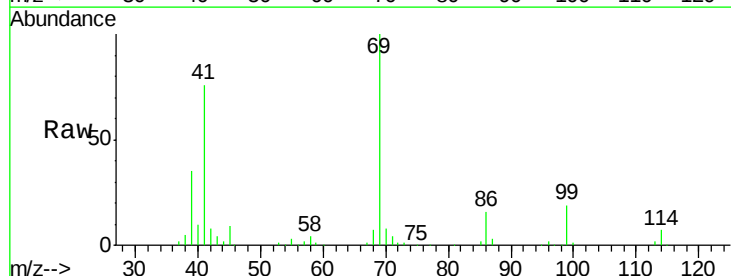
Tgt Ion: 69 Resp: 287786

Ion Ratio Lower Upper

69 100

41 76.1 57.8 86.8

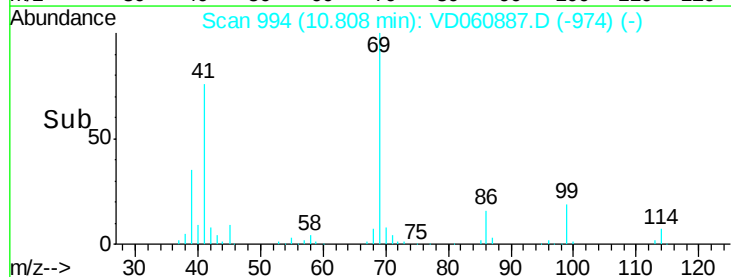
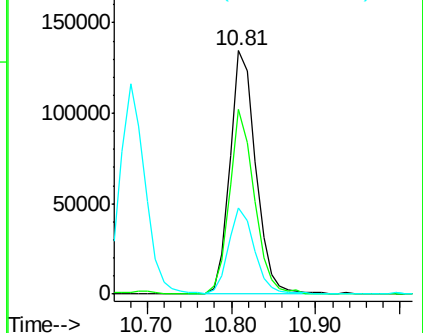
39 35.3 28.6 43.0

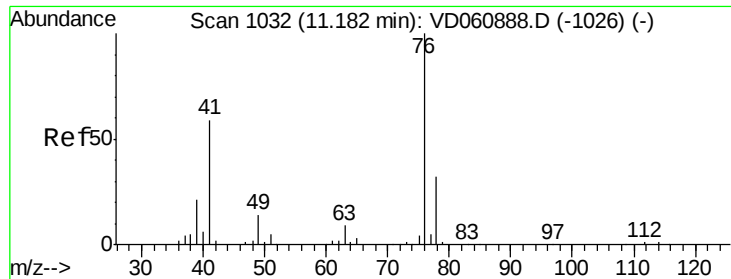


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.802 ug/l

RT: 11.18 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

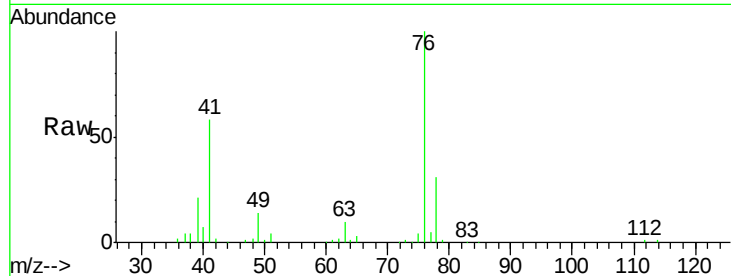
VSTDIC020

Tot Ion: 76 Resp: 497731

Ion Ratio Lower Upper

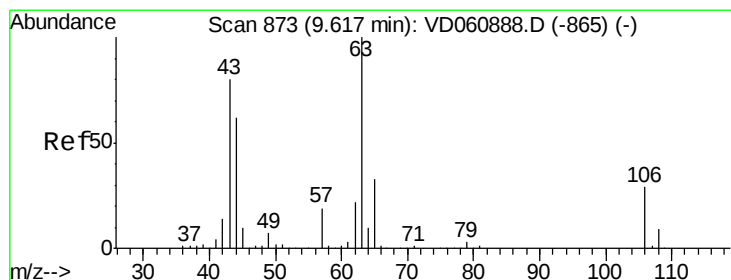
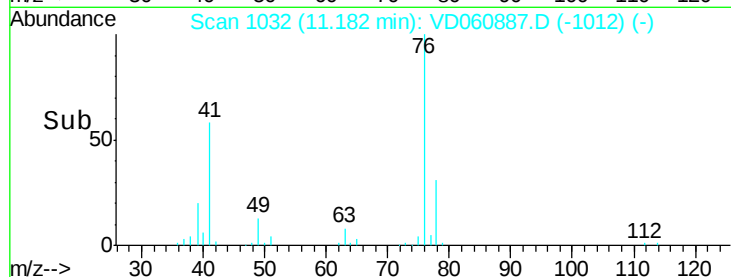
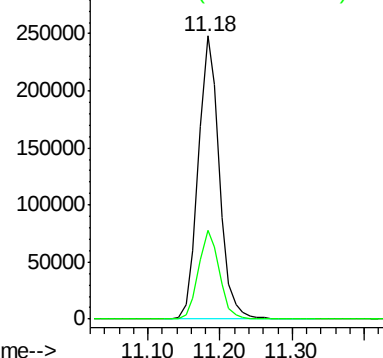
76 100

78 31.5 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 97.294 ug/l

RT: 9.62 min Scan# 873

Delta R.T. 0.00 min

Lab File: VD060887.D

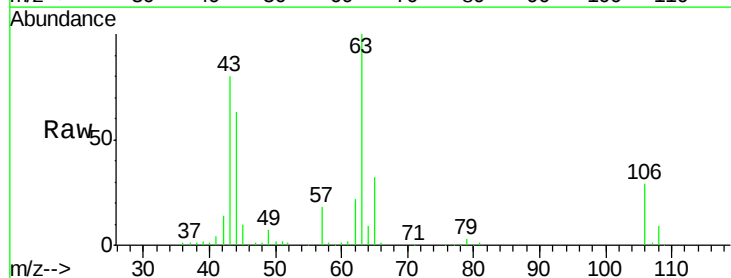
Acq: 21 Feb 2019 17:55

Tgt Ion: 63 Resp: 821162

Ion Ratio Lower Upper

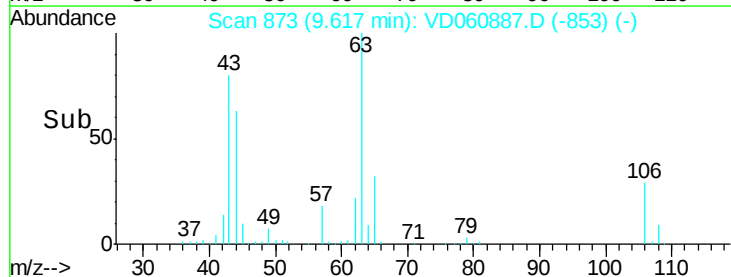
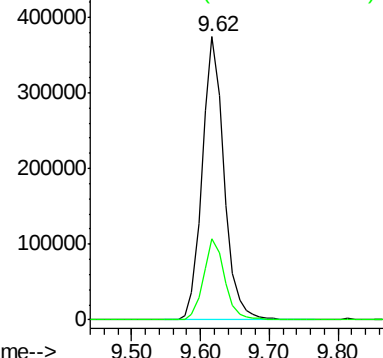
63 100

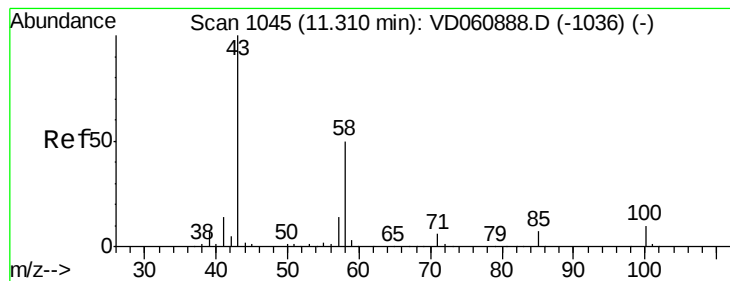
106 28.5 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 80.959 ug/l

RT: 11.31 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

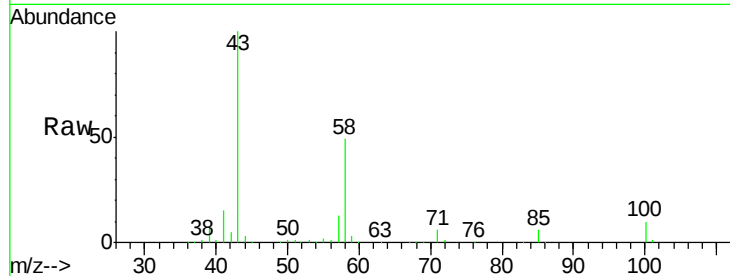
VSTDIC020

Tot Ion: 43 Resp: 847623

Ion Ratio Lower Upper

43 100

58 48.8 25.1 75.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

11.31

400000

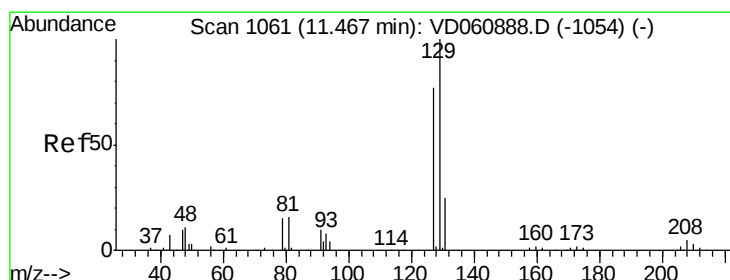
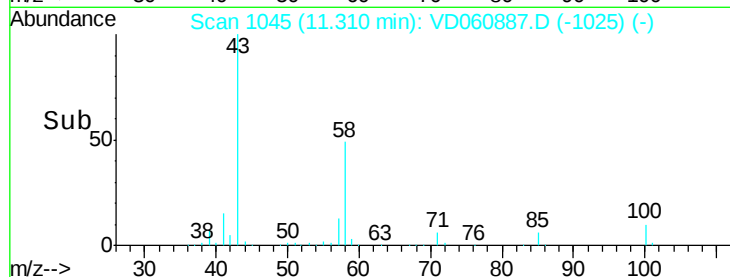
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 19.226 ug/l

RT: 11.47 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VD060887.D

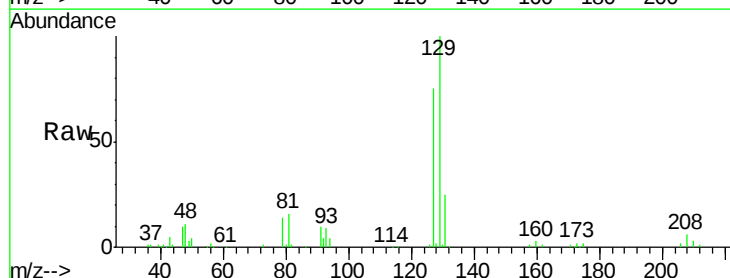
Acq: 21 Feb 2019 17:55

Tgt Ion: 129 Resp: 405413

Ion Ratio Lower Upper

129 100

127 74.9 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.47

200000

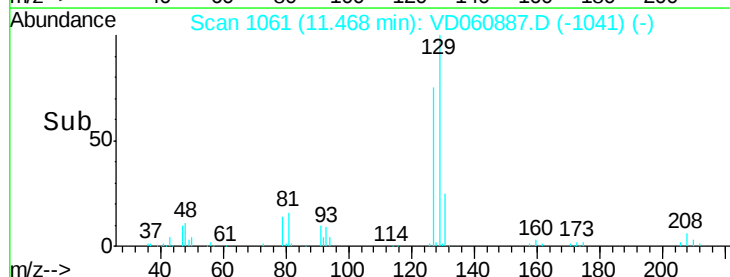
150000

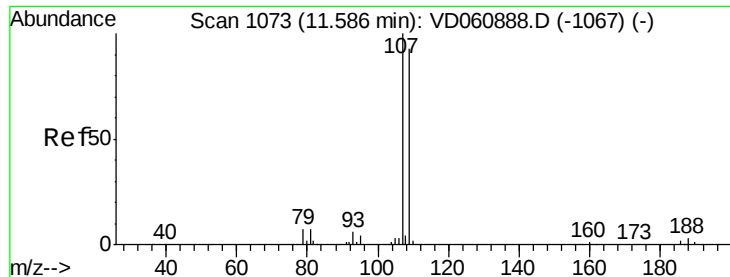
100000

50000

0

Time-->

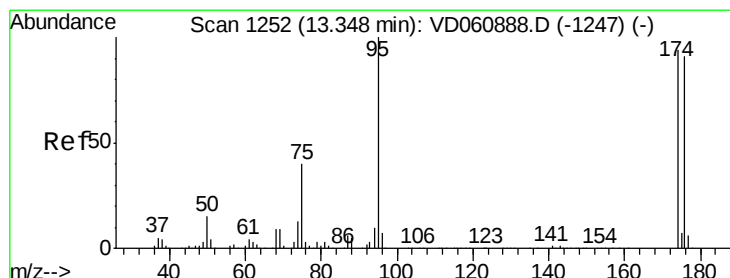
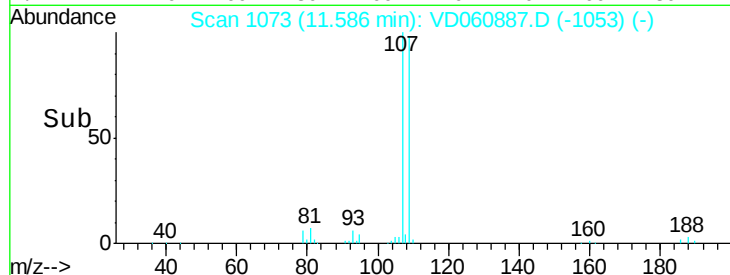
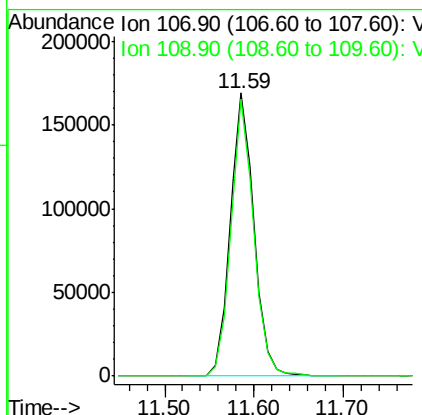
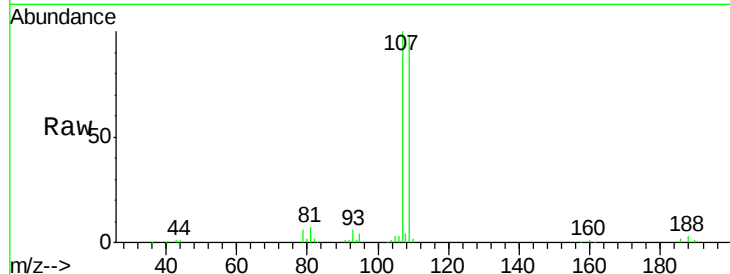




#61
 1,2-Dibromoethane
 Concen: 20.360 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

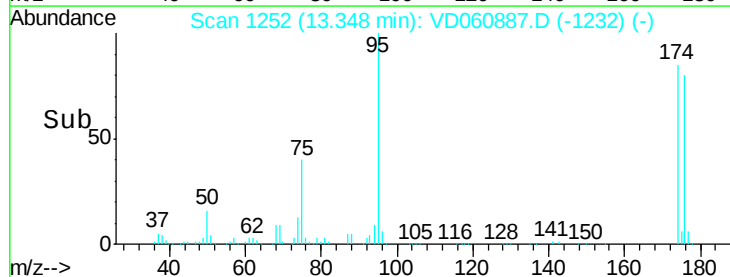
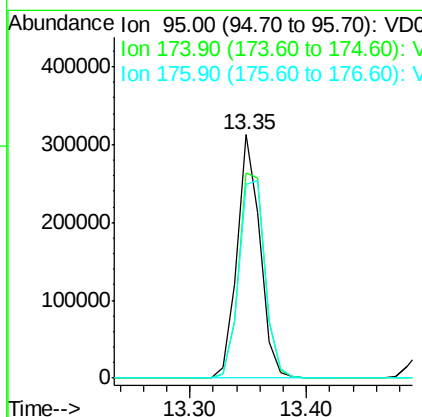
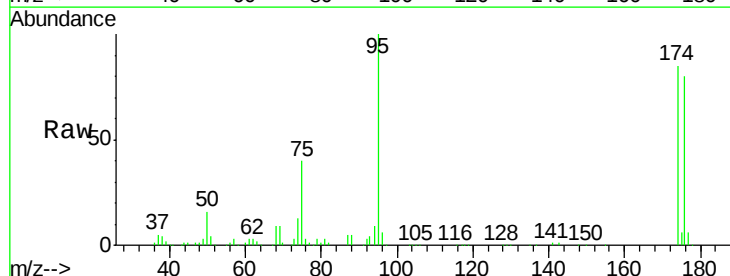
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

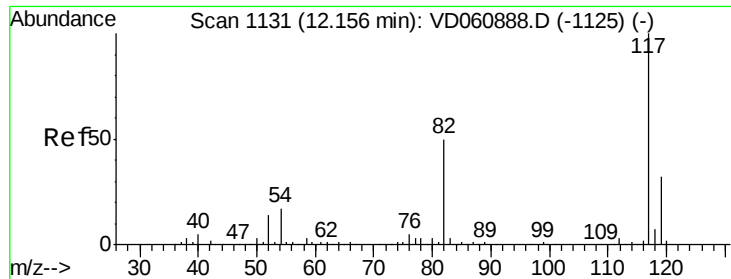
Tot Ion:107 Resp: 315715
 Ion Ratio Lower Upper
 107 100
 109 97.9 74.1 111.1



#62
 4-Bromofluorobenzene
 Concen: 20.360 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Tgt Ion: 95 Resp: 423943
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 188.0
 176 79.6 0.0 181.2

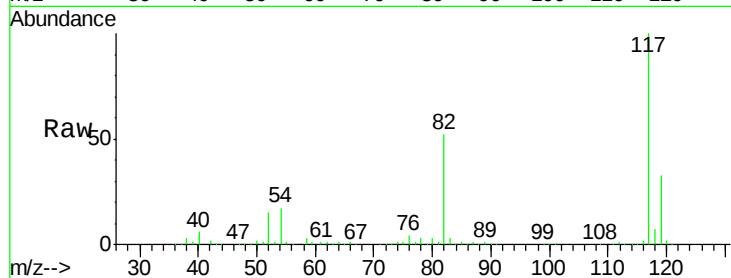




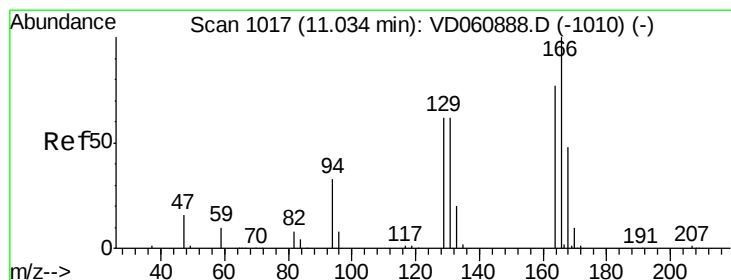
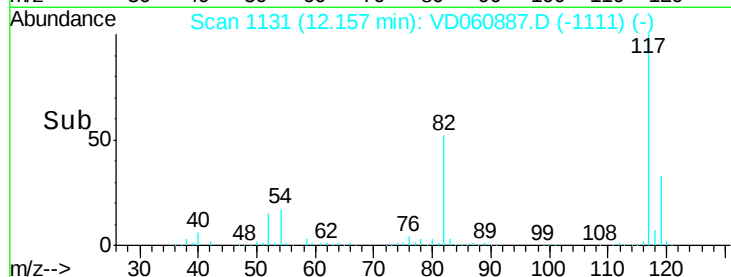
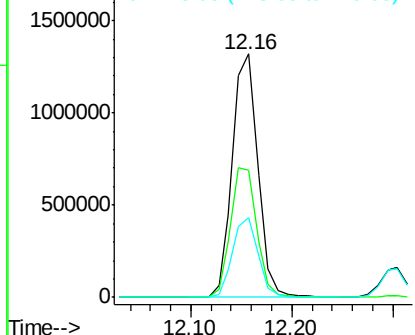
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 2319787
Ion Ratio Lower Upper
117 100
82 52.3 40.3 60.5
119 32.9 25.8 38.6

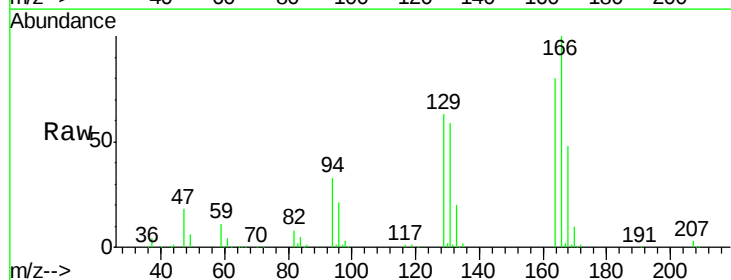


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

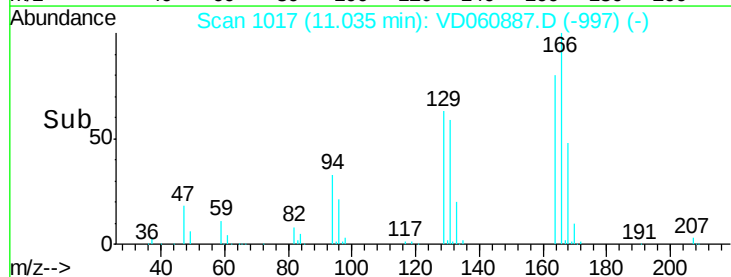
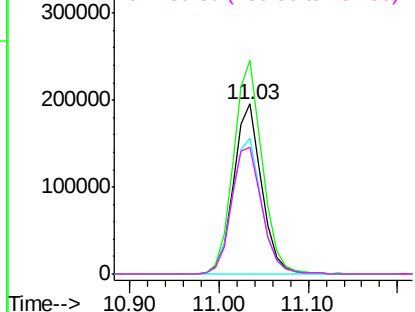


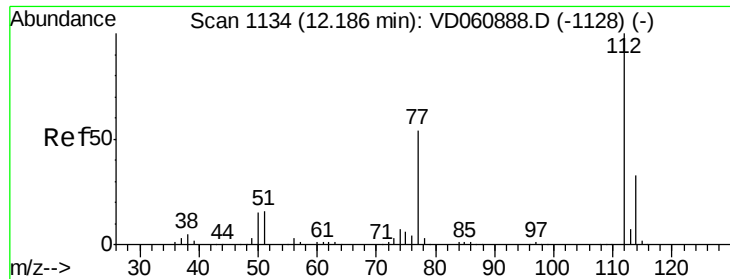
#64
Tetrachloroethene
Concen: 19.786 ug/l
RT: 11.03 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Tgt Ion:164 Resp: 431226
Ion Ratio Lower Upper
164 100
166 125.7 103.9 155.9
129 79.6 64.4 96.6
131 74.6 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

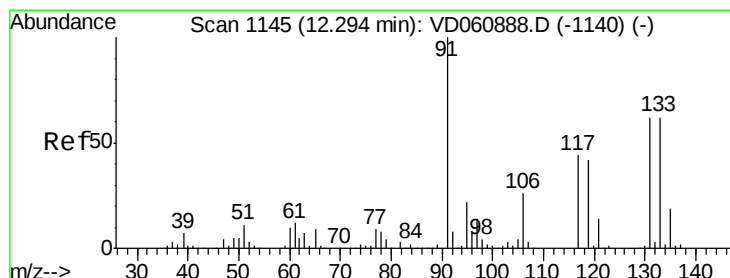
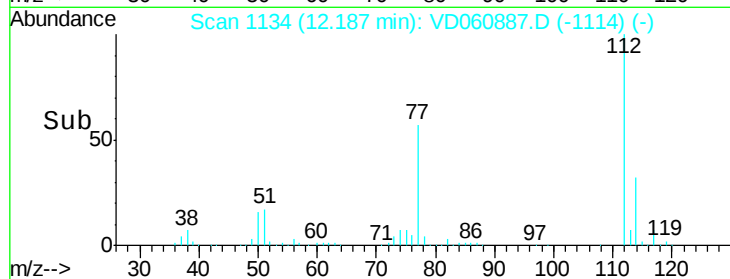
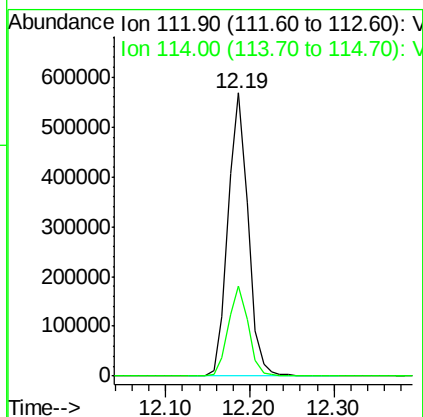
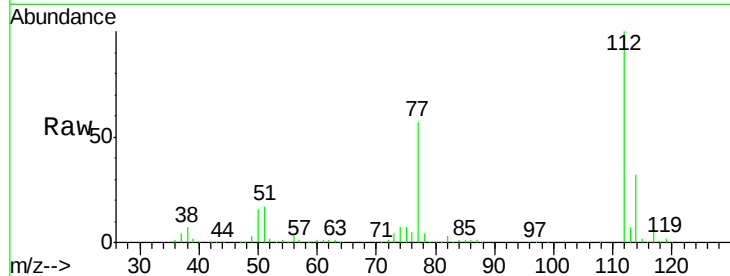




#65
Chlorobenzene
Concen: 19.475 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

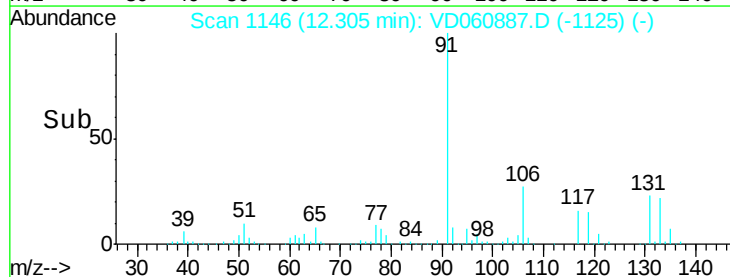
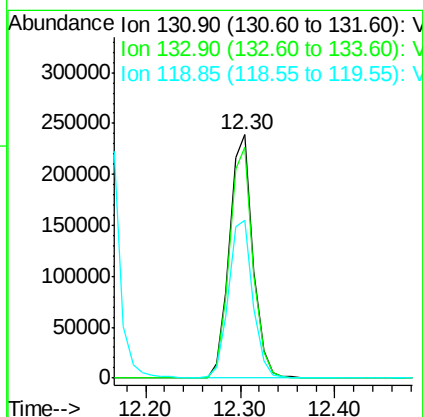
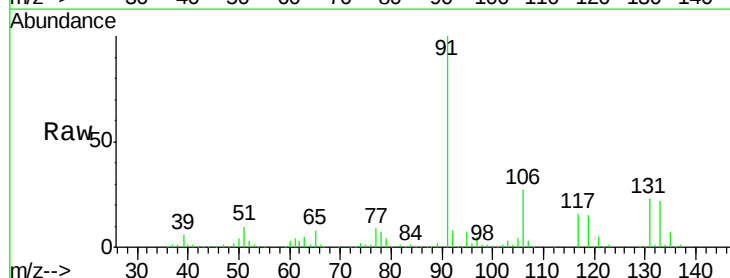
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

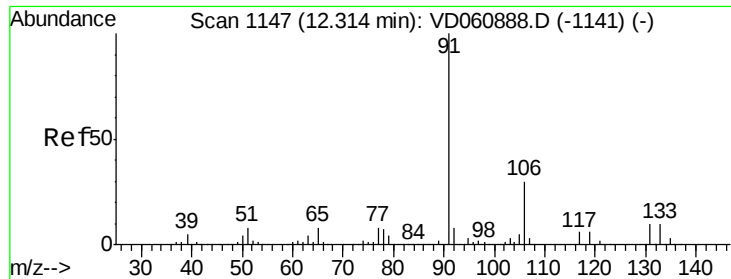
Tot Ion:112 Resp: 938265
Ion Ratio Lower Upper
112 100
114 31.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.718 ug/l
RT: 12.30 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Tgt Ion:131 Resp: 410455
Ion Ratio Lower Upper
131 100
133 95.0 49.3 147.9
119 65.0 33.5 100.5

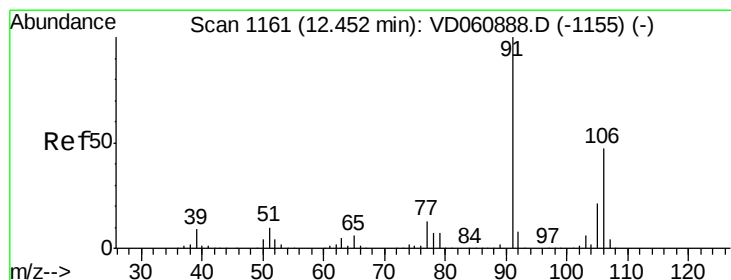
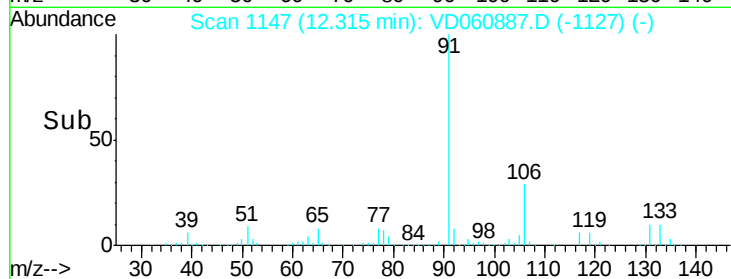
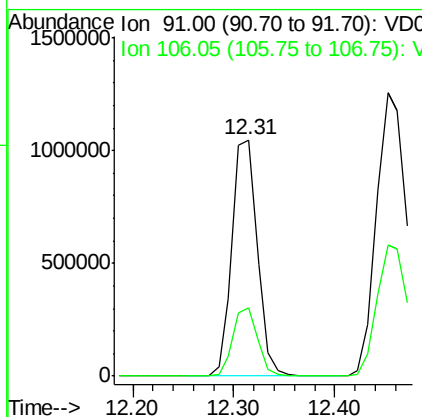
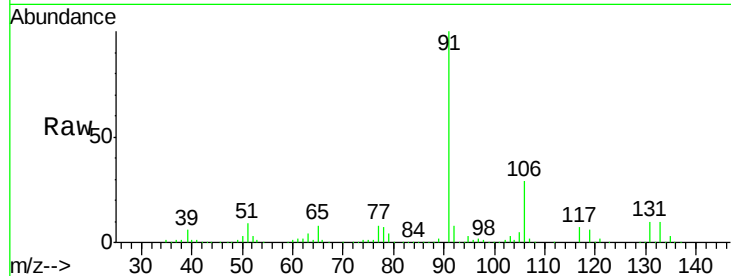




#67
Ethyl Benzene
Concen: 20.127 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

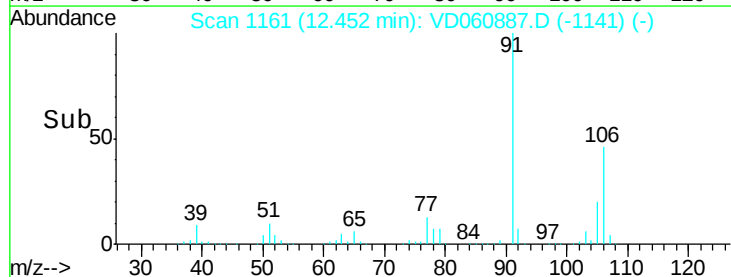
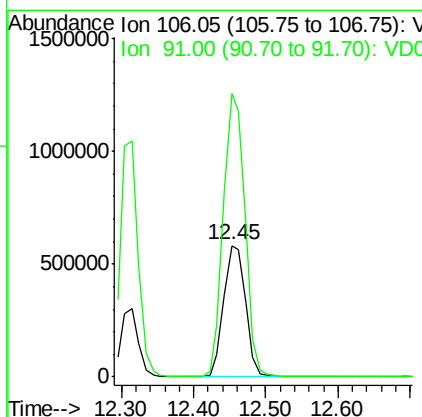
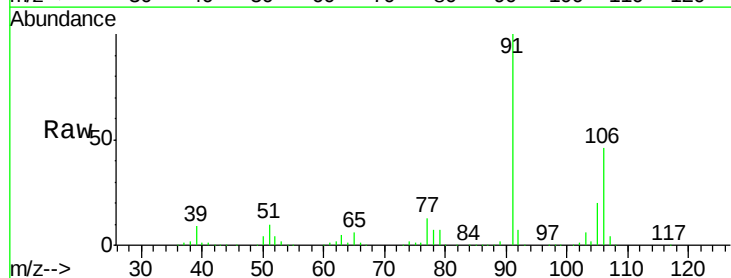
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

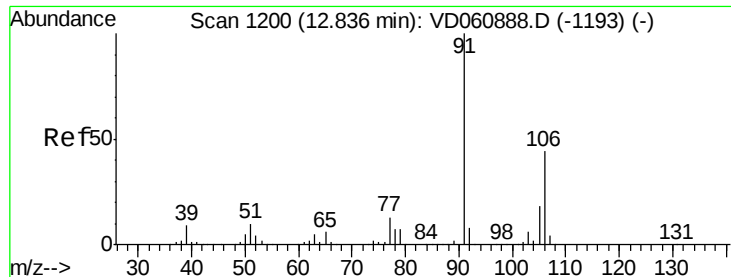
Tot Ion: 91 Resp: 1828271
Ion Ratio Lower Upper
91 100
106 28.9 23.7 35.5



#68
m/p-Xylenes
Concen: 39.821 ug/l
RT: 12.45 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Tgt Ion: 106 Resp: 1215721
Ion Ratio Lower Upper
106 100
91 216.0 169.6 254.4

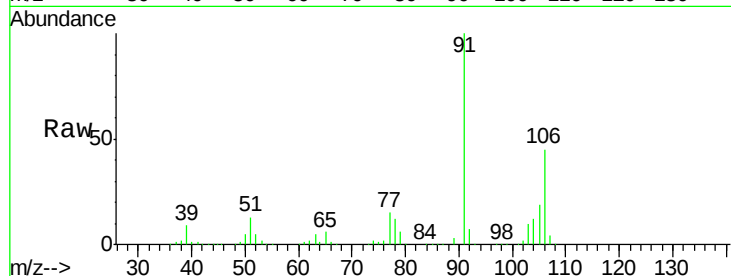




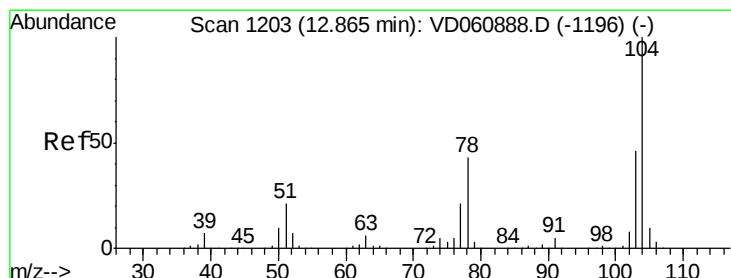
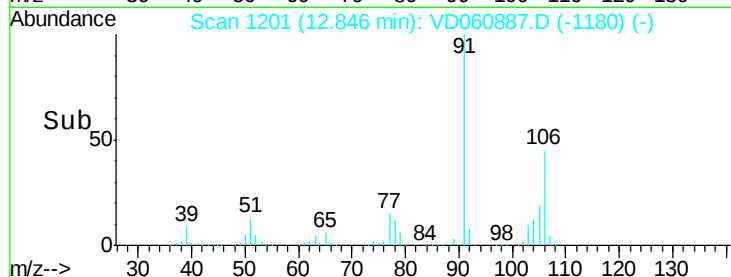
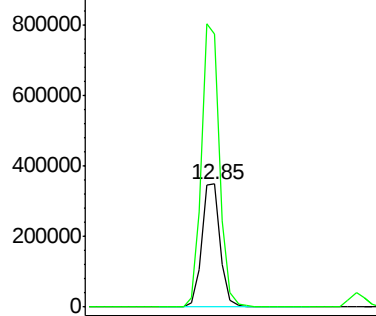
#69
o-Xylene
Concen: 19.714 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 572447
Ion Ratio Lower Upper
106 100
91 221.5 113.7 341.1

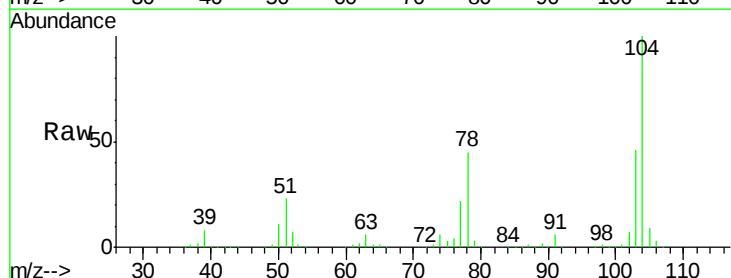


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

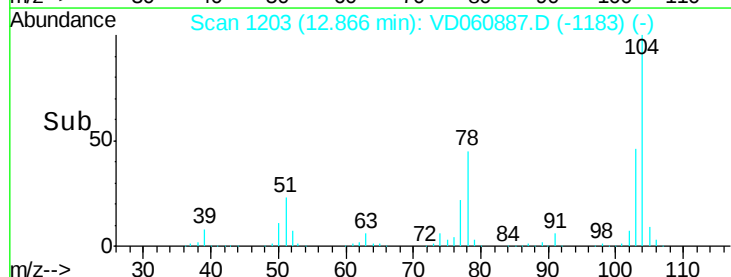
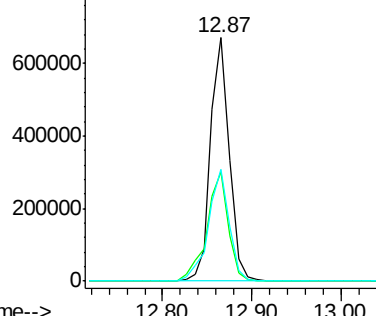


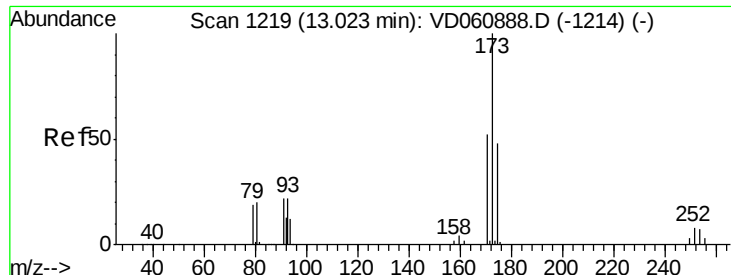
#70
Styrene
Concen: 21.124 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Tgt Ion:104 Resp: 990245
Ion Ratio Lower Upper
104 100
78 44.6 34.7 52.1
103 46.1 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: 17.568 ug/l

RT: 13.02 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

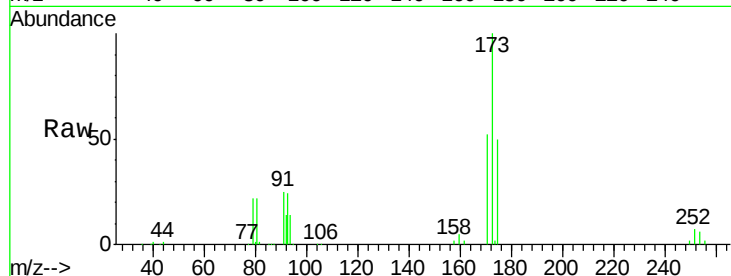
Tot Ion:173 Resp: 266953

Ion Ratio Lower Upper

173 100

175 49.9 24.3 72.8

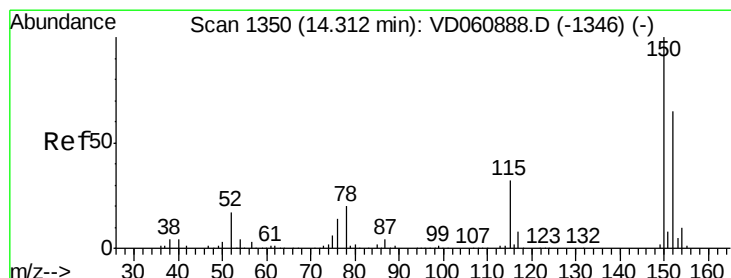
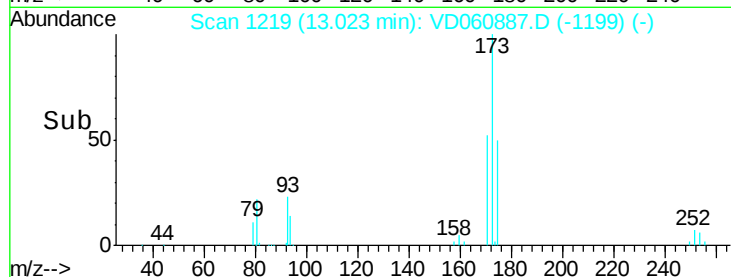
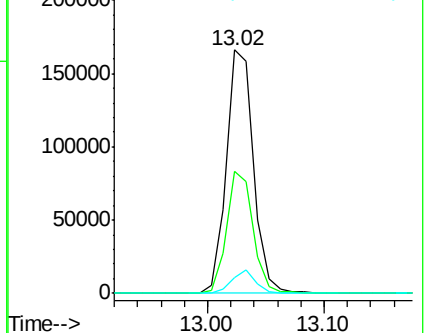
254 6.3 5.7 8.5



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: 14.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

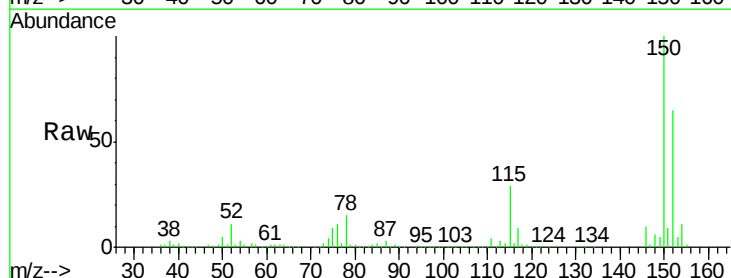
Tgt Ion:152 Resp: 1221392

Ion Ratio Lower Upper

152 100

115 44.3 26.3 78.9

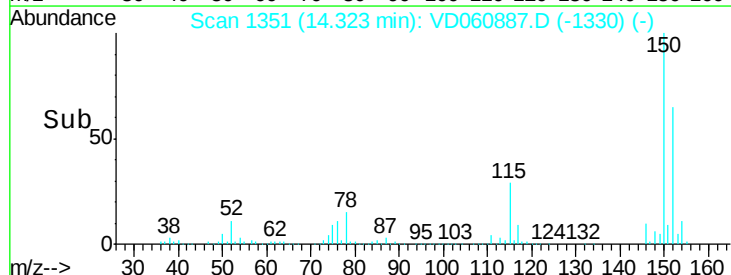
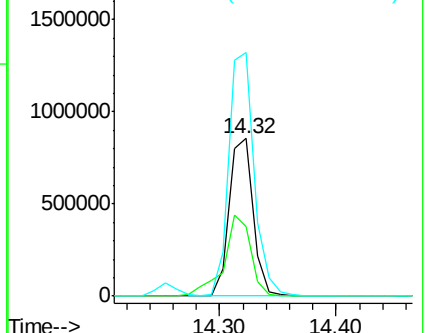
150 154.7 0.0 312.0

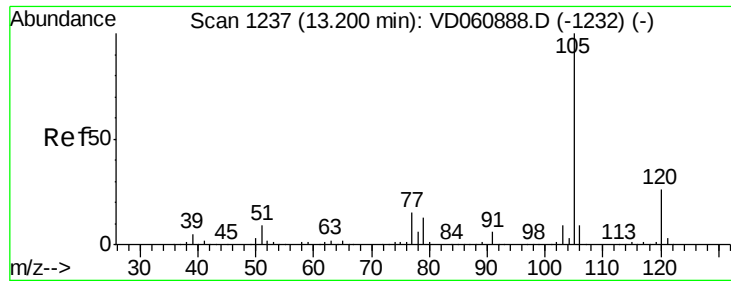


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.766 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

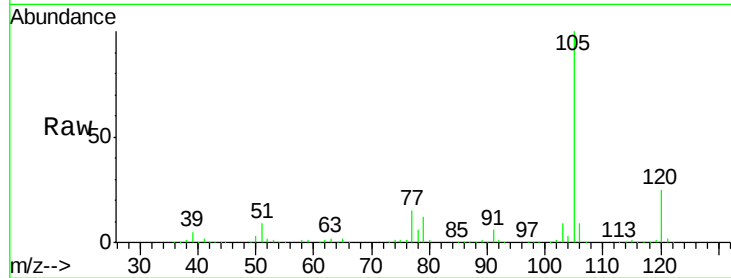
VSTDIC020

Tot Ion:105 Resp: 1672471

Ion Ratio Lower Upper

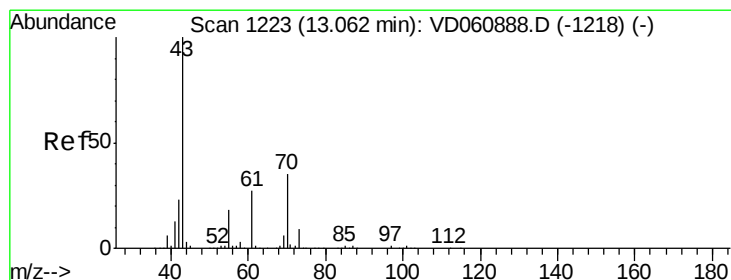
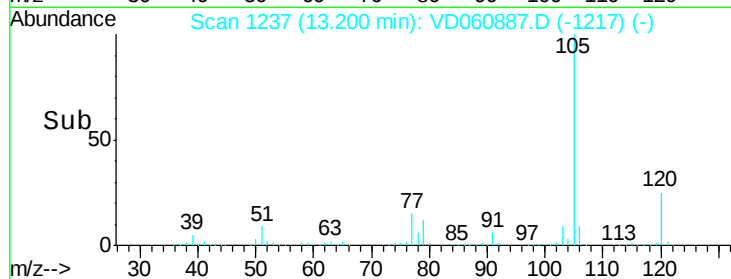
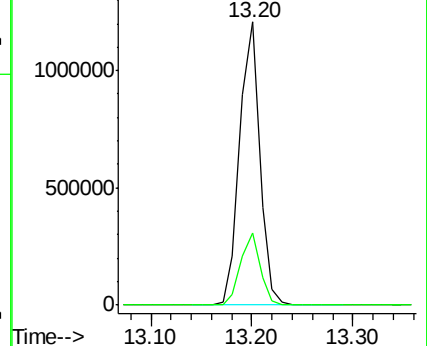
105 100

120 25.5 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 13.963 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Tgt Ion: 43 Resp: 451683

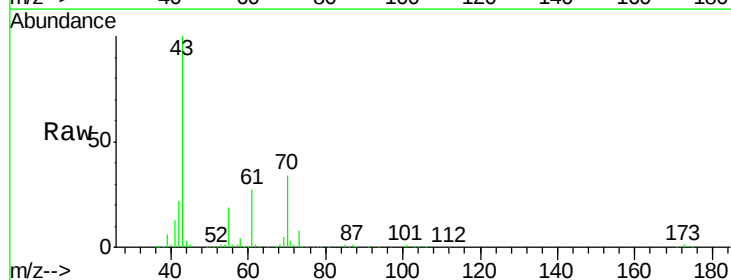
Ion Ratio Lower Upper

43 100

70 34.3 28.4 42.6

55 18.5 14.0 21.0

61 26.6 21.4 32.2

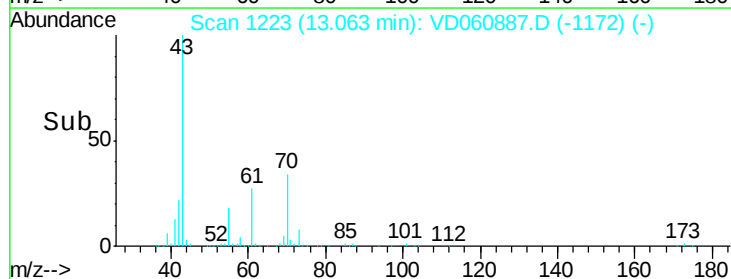
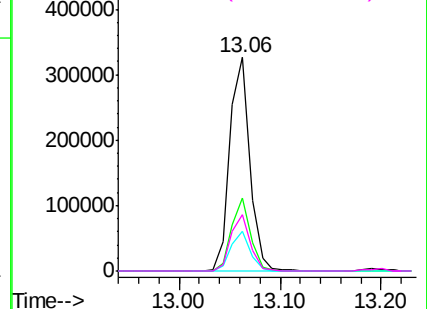


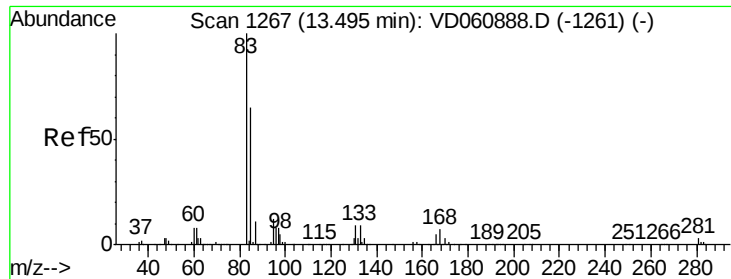
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.061 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

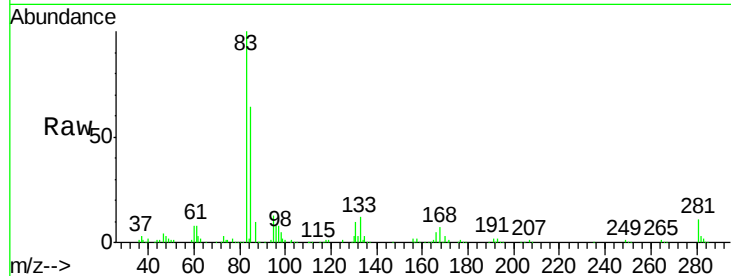
Tot Ion: 83 Resp: 336506

Ion Ratio Lower Upper

83 100

131 9.6 4.5 13.4

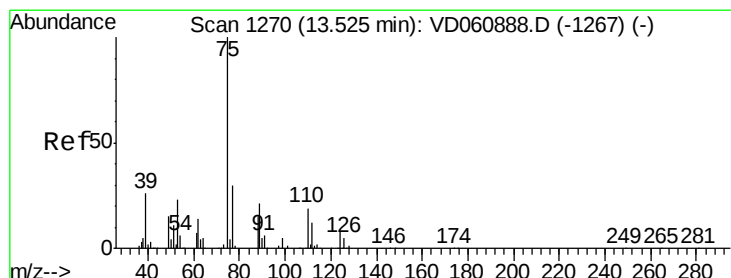
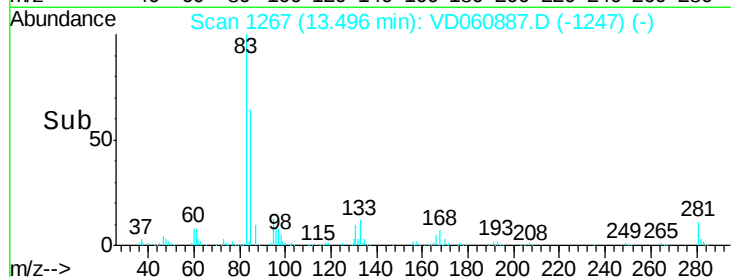
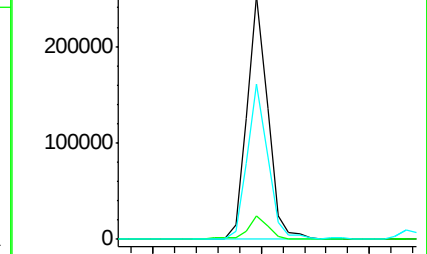
85 63.8 32.7 98.1



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: 17.196 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD060887.D

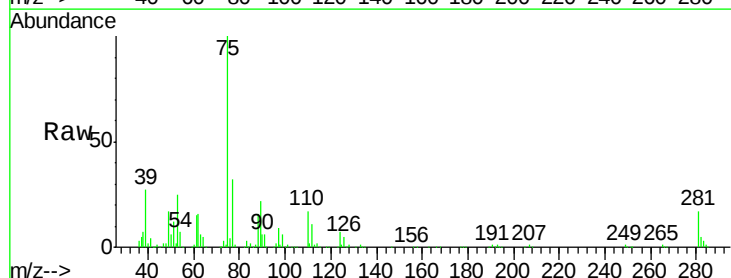
Acq: 21 Feb 2019 17:55

Tgt Ion: 75 Resp: 345869

Ion Ratio Lower Upper

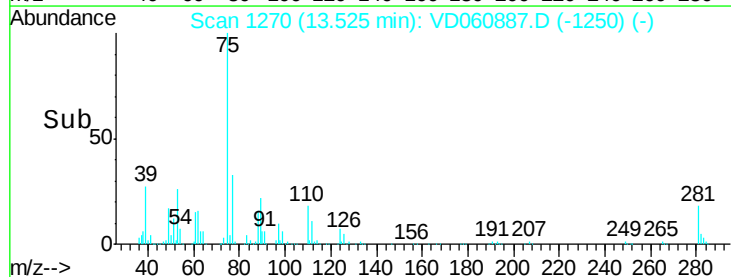
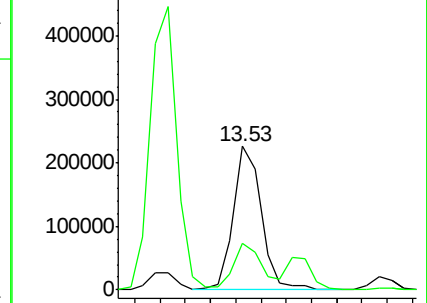
75 100

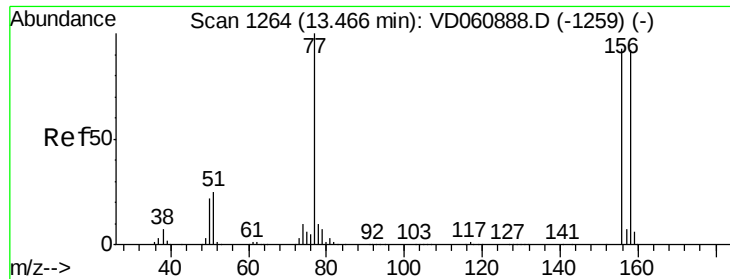
77 32.0 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.308 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

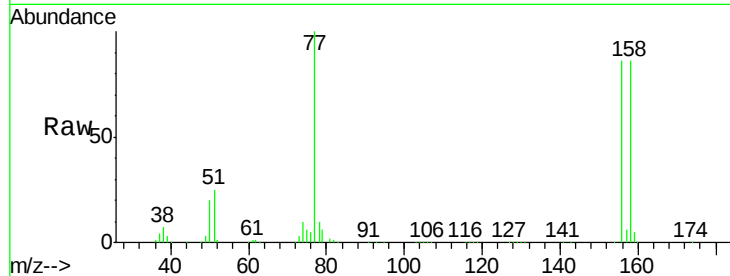
Tot Ion:156 Resp: 498398

Ion Ratio Lower Upper

156 100

77 115.9 53.8 161.4

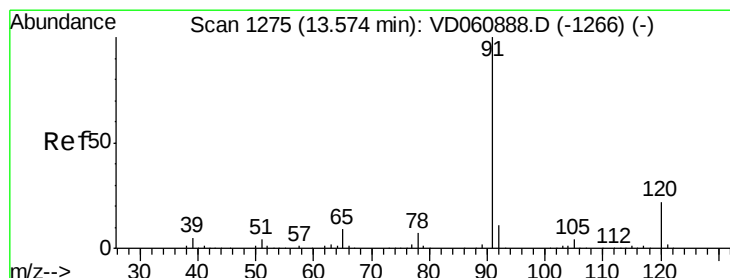
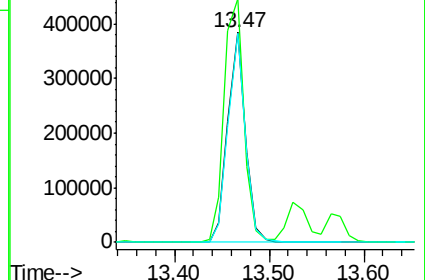
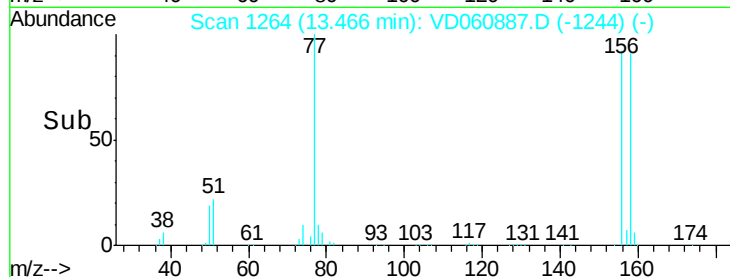
158 99.3 49.3 147.9



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: 17.595 ug/l

RT: 13.57 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060887.D

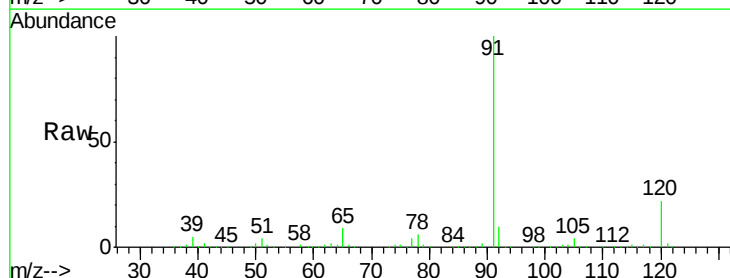
Acq: 21 Feb 2019 17:55

Tgt Ion: 91 Resp: 2039962

Ion Ratio Lower Upper

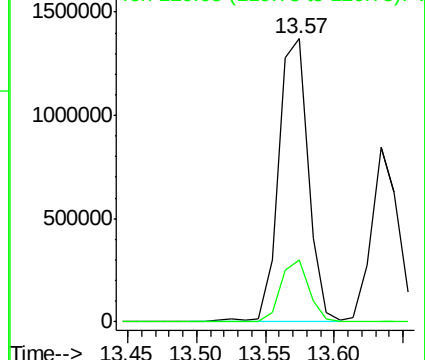
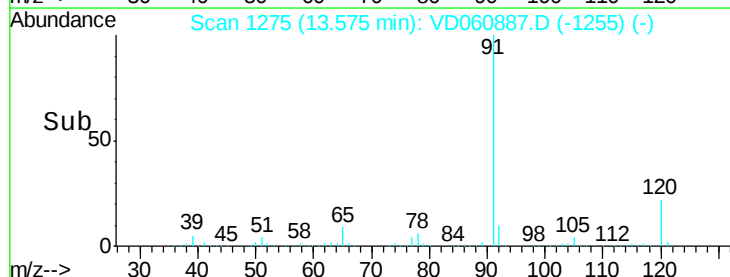
91 100

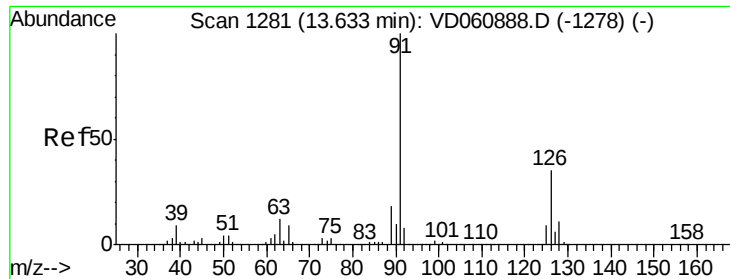
120 21.8 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 17.850 ug/l

RT: 13.63 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

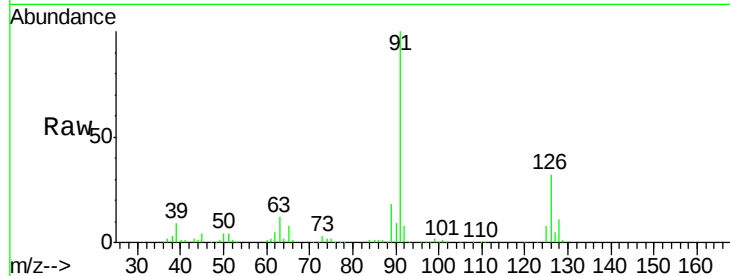
VSTDIC020

Tot Ion: 91 Resp: 1145181

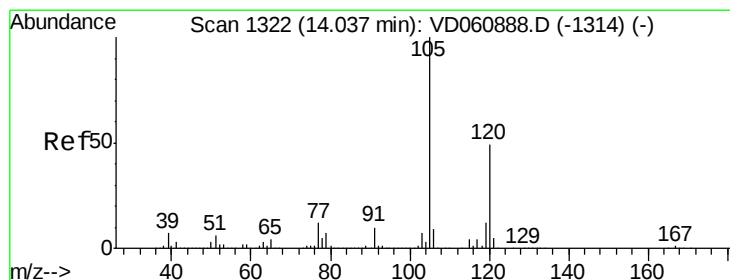
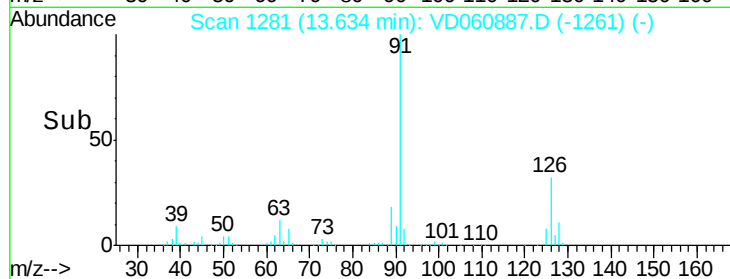
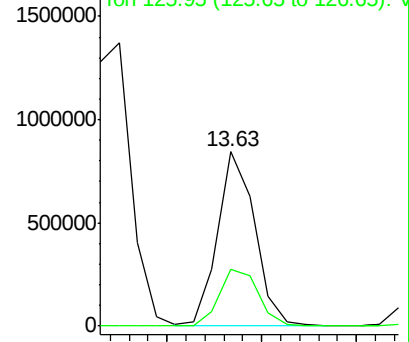
Ion Ratio Lower Upper

91 100

126 32.3 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VD060887.D (-1278) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.752 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VD060887.D

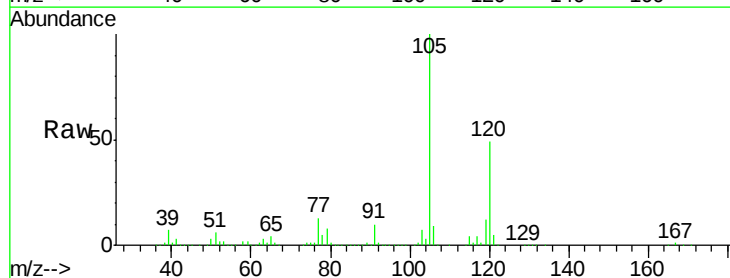
Acq: 21 Feb 2019 17:55

Tgt Ion: 105 Resp: 1312081

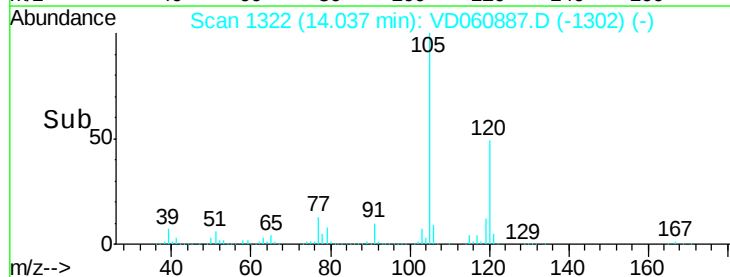
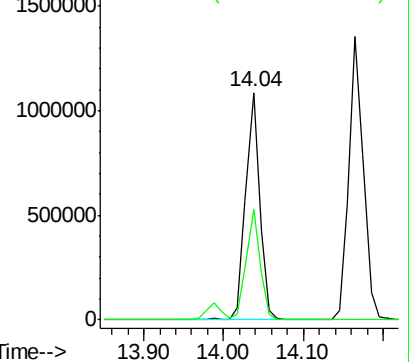
Ion Ratio Lower Upper

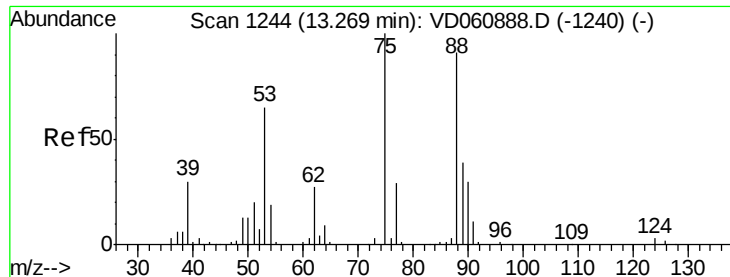
105 100

120 48.8 24.3 73.0



Abundance Ion 105.05 (104.75 to 105.75): VD060887.D (-1302) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.425 ug/l

RT: 13.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

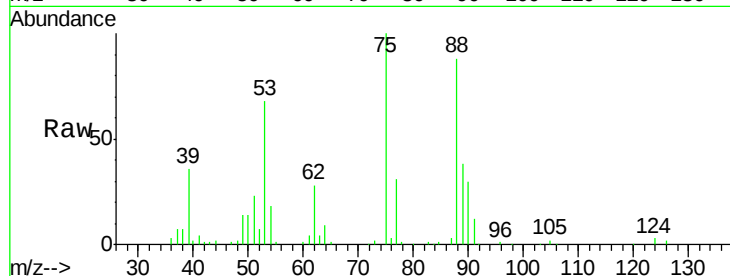
Tot Ion: 75 Resp: 103155

Ion Ratio Lower Upper

75 100

53 67.7 51.8 77.6

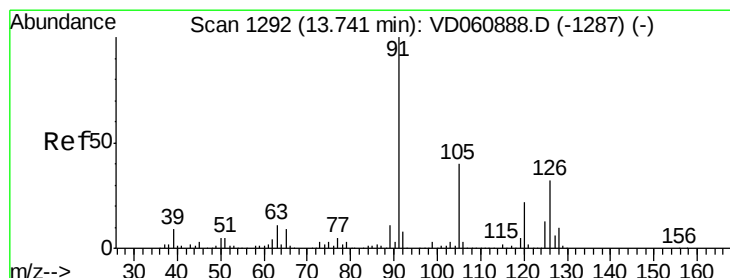
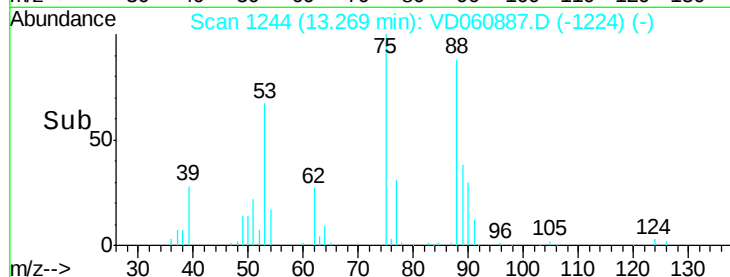
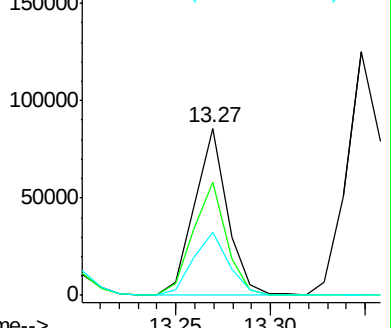
89 37.8 31.0 46.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 17.404 ug/l

RT: 13.74 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VD060887.D

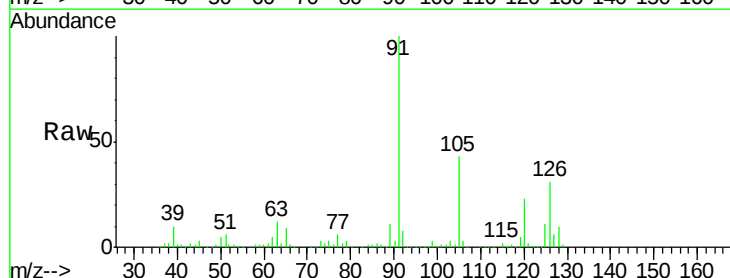
Acq: 21 Feb 2019 17:55

Tgt Ion: 91 Resp: 1269093

Ion Ratio Lower Upper

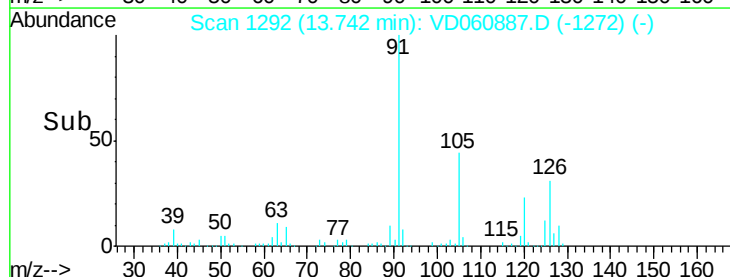
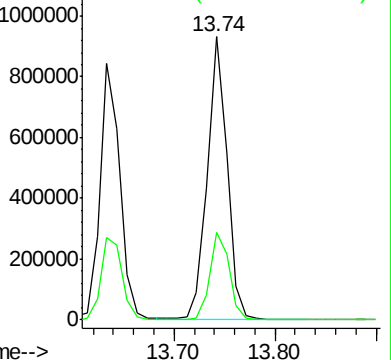
91 100

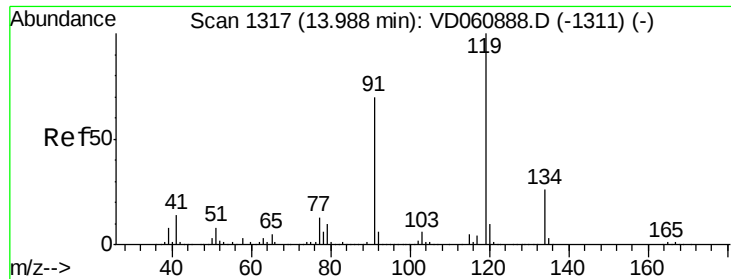
126 30.7 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 17.936 ug/l

RT: 13.99 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

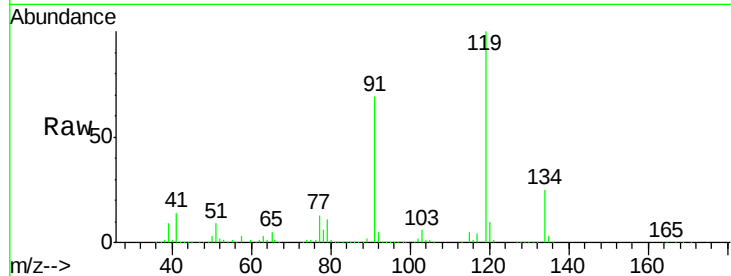
Tot Ion:119 Resp: 1475956

Ion Ratio Lower Upper

119 100

91 68.7 34.9 104.8

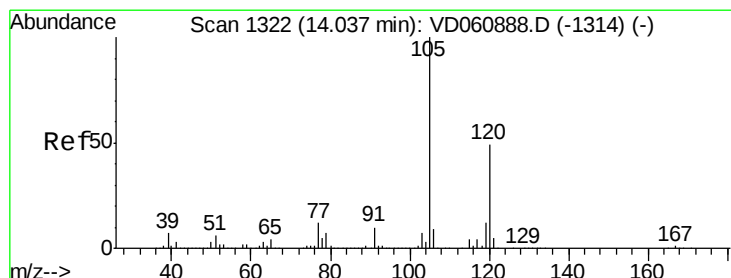
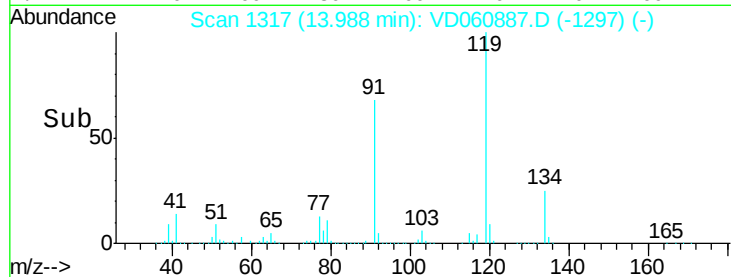
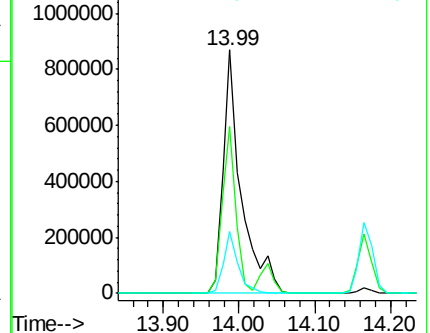
134 25.4 13.2 39.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.752 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VD060887.D

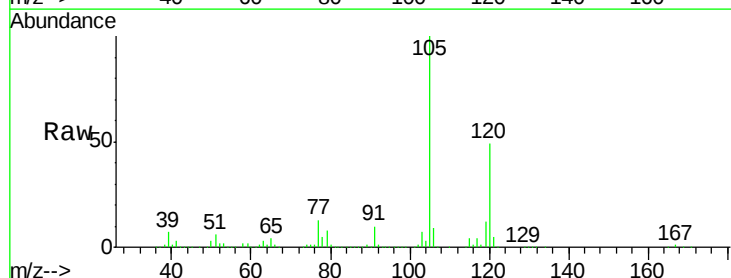
Acq: 21 Feb 2019 17:55

Tgt Ion:105 Resp: 1312081

Ion Ratio Lower Upper

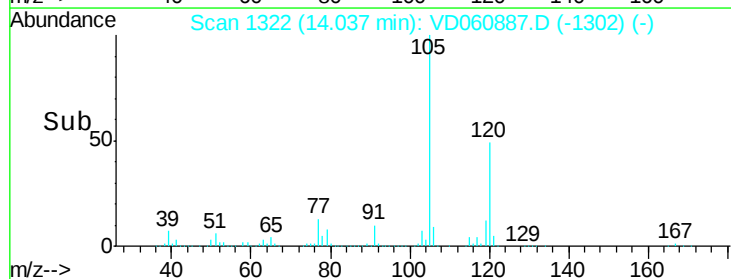
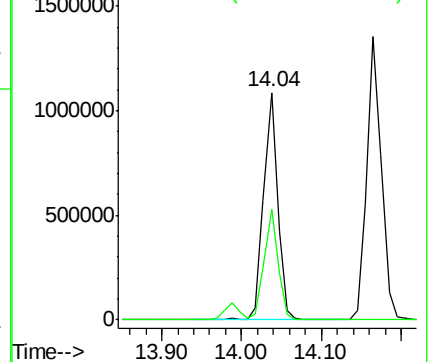
105 100

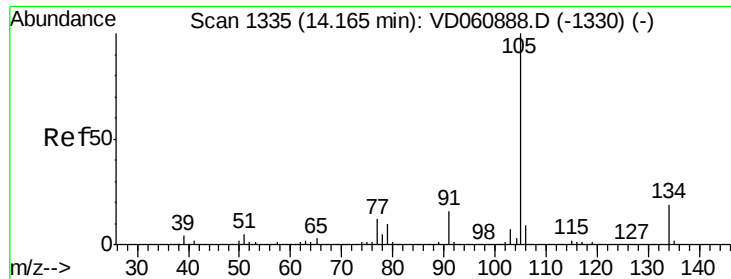
120 48.8 24.3 73.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

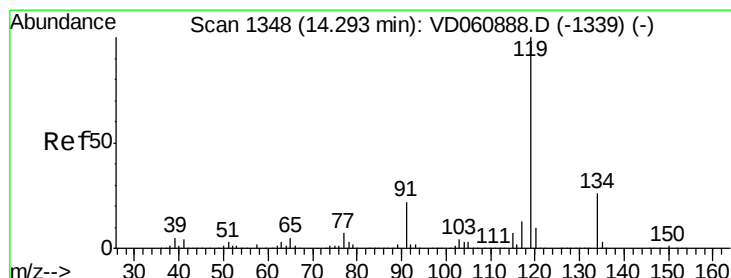
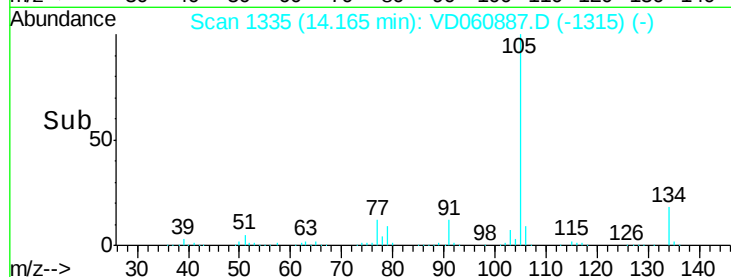
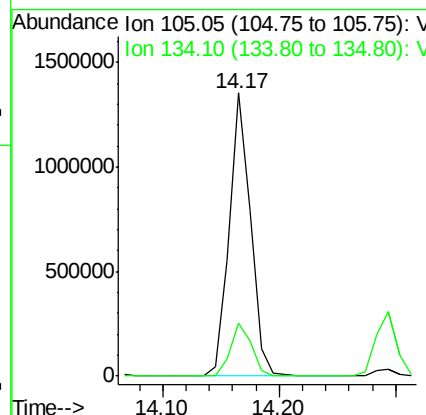
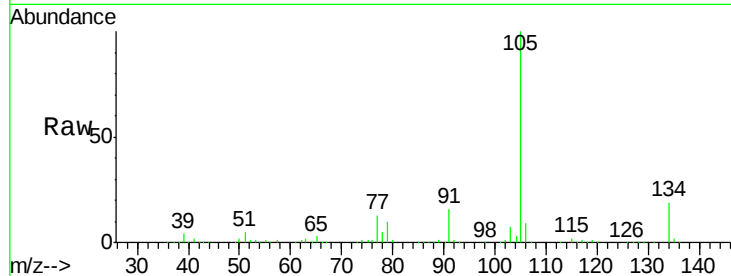




#85
 sec-Butylbenzene
 Concen: 18.977 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

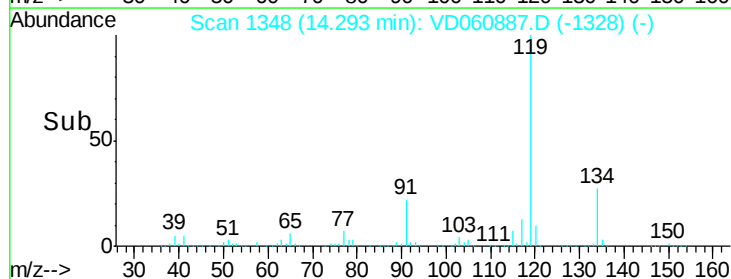
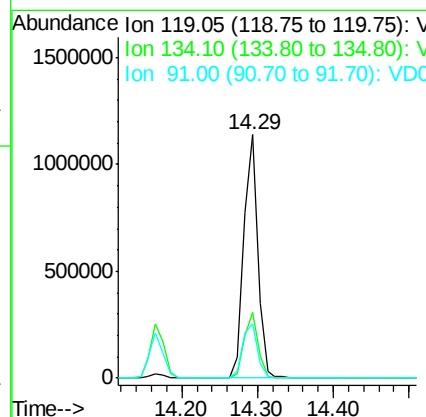
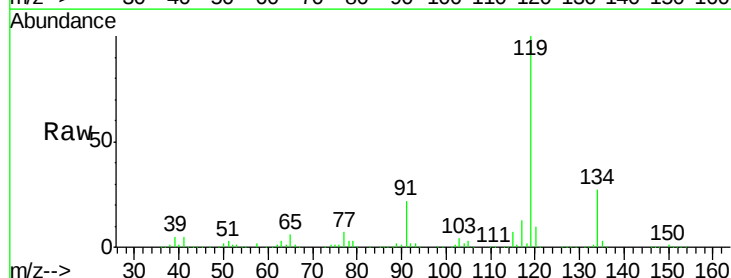
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

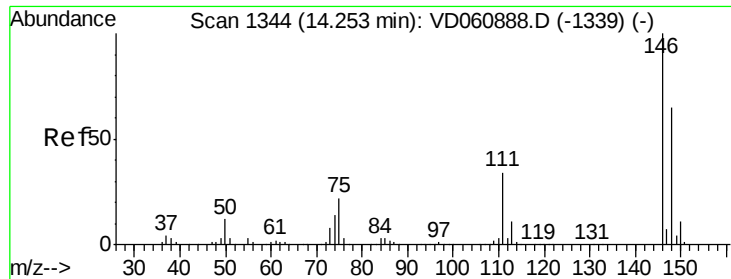
Tot Ion:105 Resp: 1709826
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 18.896 ug/l
 RT: 14.29 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Tgt Ion:119 Resp: 1428100
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.8
 91 22.5 11.3 33.9

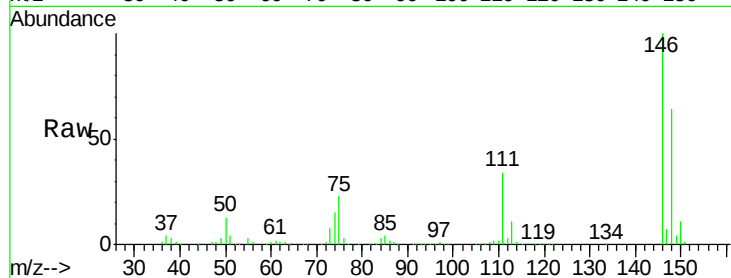




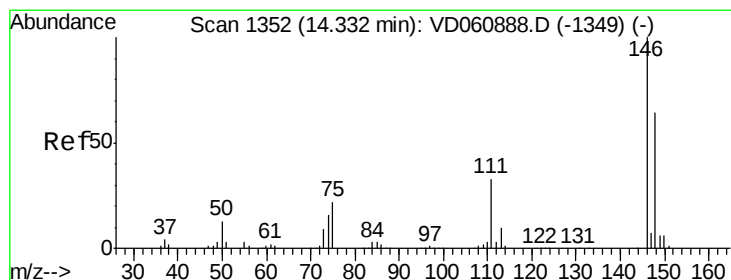
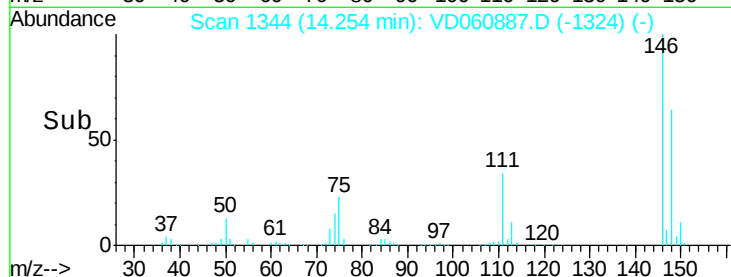
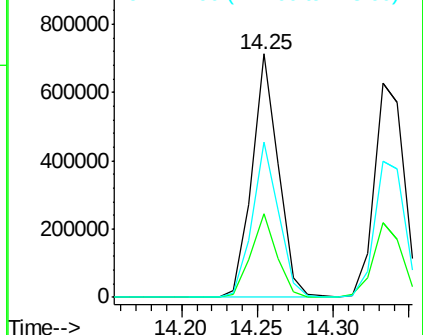
#87
 1,3-Dichlorobenzene
 Concen: 20.500 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:146 Resp: 868849
 Ion Ratio Lower Upper
 146 100
 111 34.4 17.3 51.7
 148 63.6 32.6 98.0

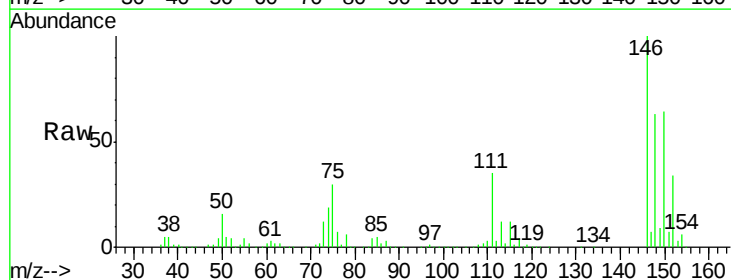


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

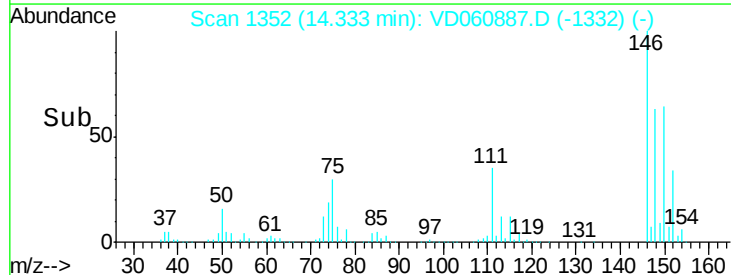
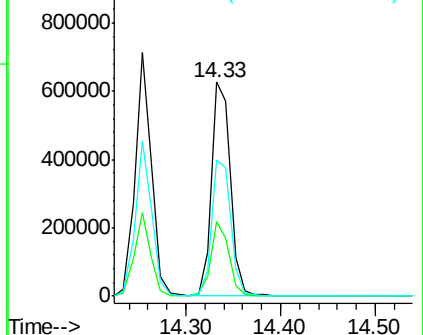


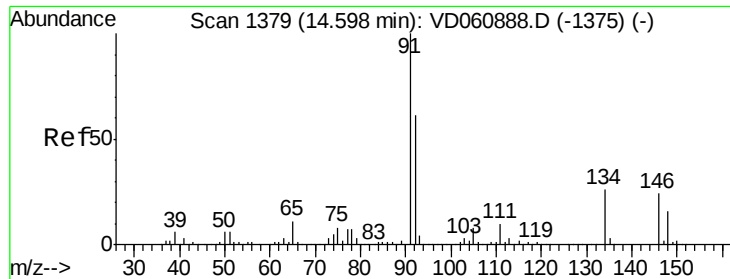
#88
 1,4-Dichlorobenzene
 Concen: 20.419 ug/l
 RT: 14.33 min Scan# 1352
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Tgt Ion:146 Resp: 871209
 Ion Ratio Lower Upper
 146 100
 111 35.1 16.5 49.5
 148 63.5 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

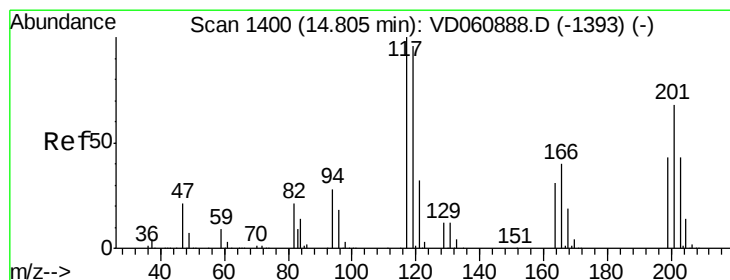
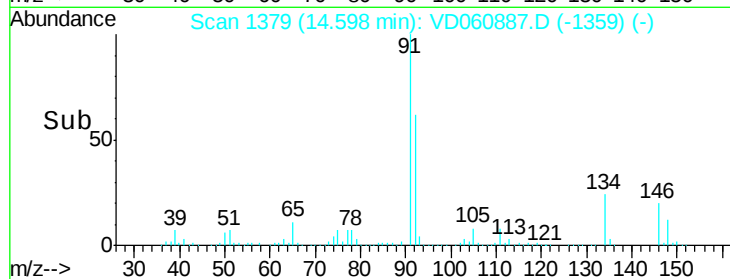
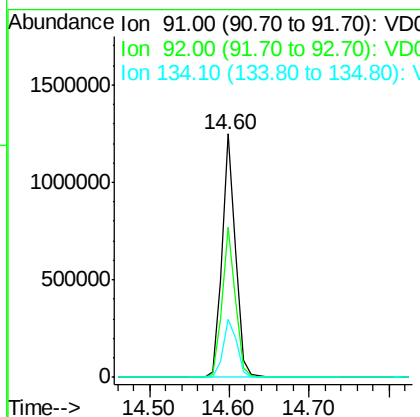
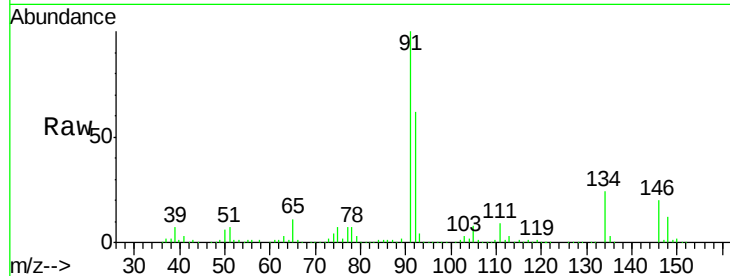




#89
n-Butylbenzene
Concen: 19.371 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

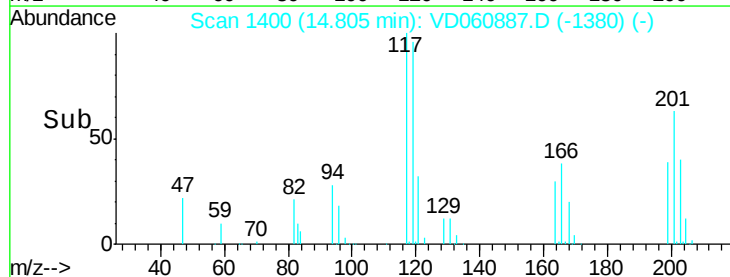
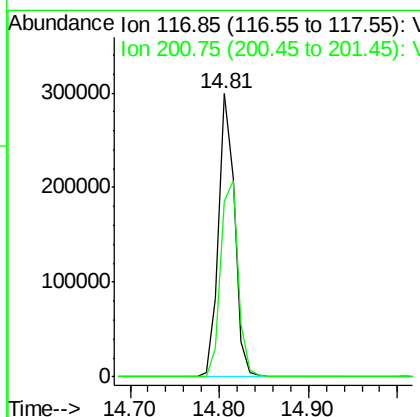
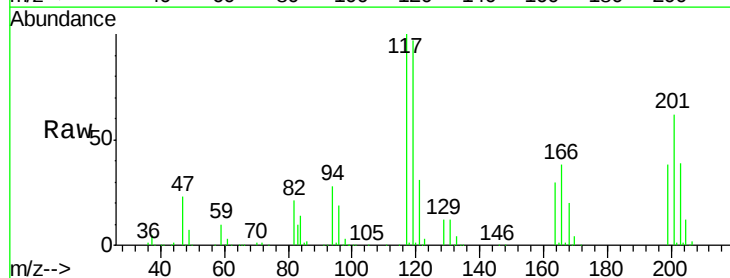
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

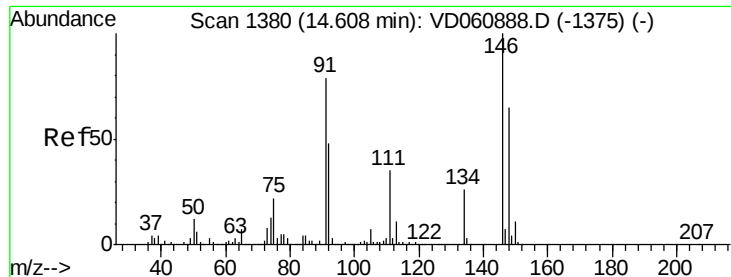
Tot Ion: 91 Resp: 1495309
Ion Ratio Lower Upper
91 100
92 61.6 30.3 90.8
134 23.9 12.8 38.3



#90
Hexachloroethane
Concen: 18.685 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VD060887.D
Acq: 21 Feb 2019 17:55

Tgt Ion: 117 Resp: 380299
Ion Ratio Lower Upper
117 100
201 62.3 34.2 102.6





#91

1,2-Dichlorobenzene

Concen: 21.264 ug/l

RT: 14.61 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

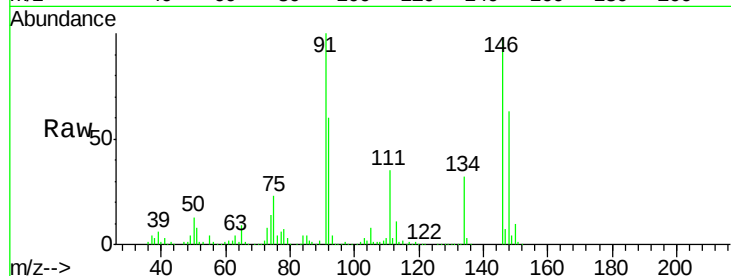
Tot Ion:146 Resp: 769843

Ion Ratio Lower Upper

146 100

111 36.6 17.4 52.2

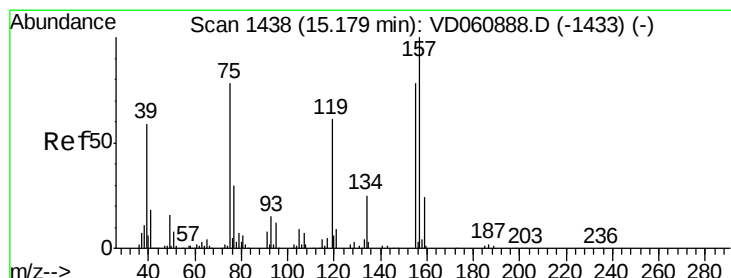
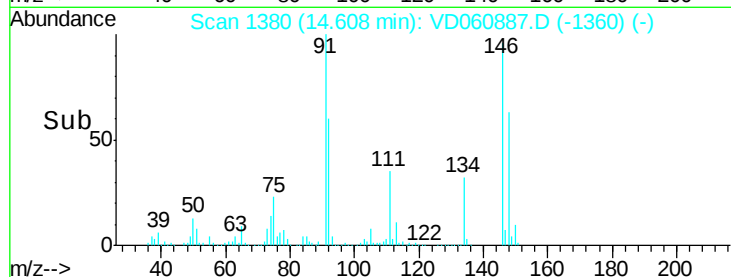
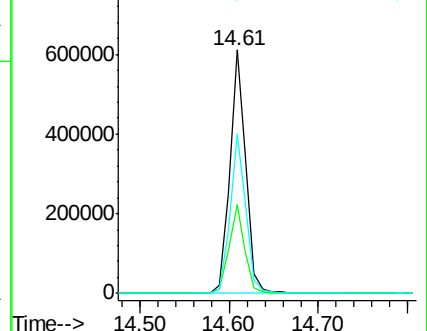
148 65.5 32.6 97.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.912 ug/l

RT: 15.18 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

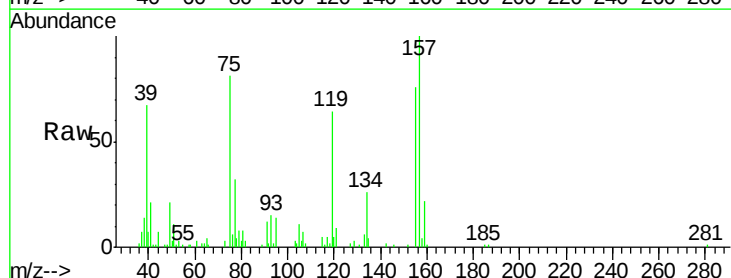
Tgt Ion: 75 Resp: 43126

Ion Ratio Lower Upper

75 100

155 93.3 49.9 149.6

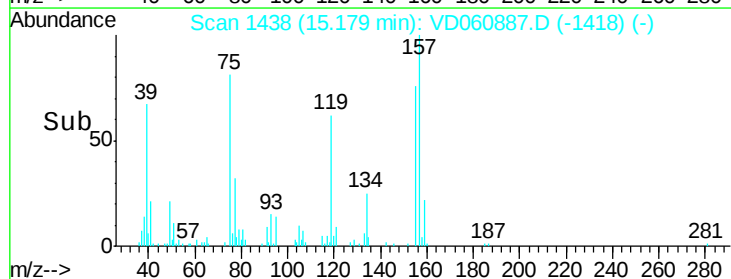
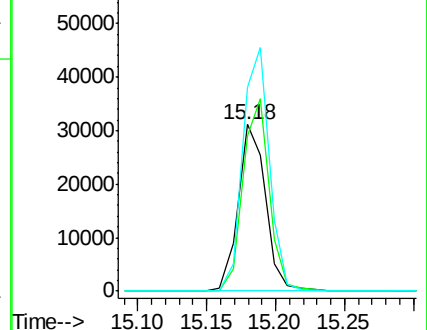
157 122.7 64.3 192.9

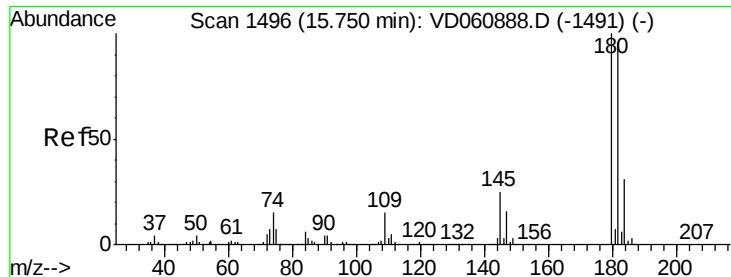


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

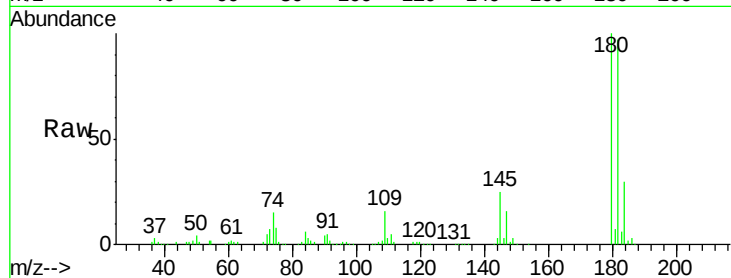




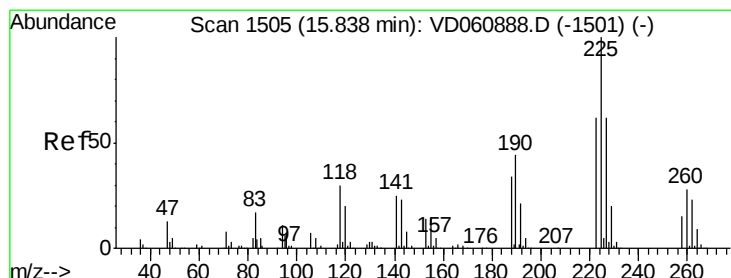
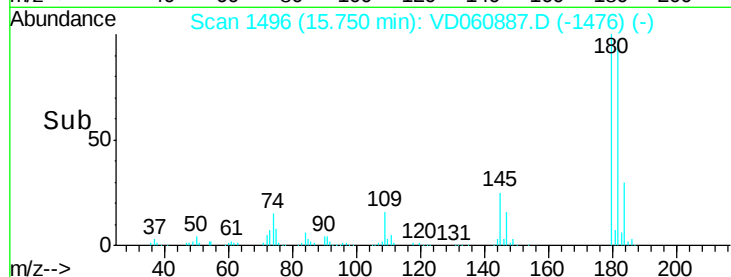
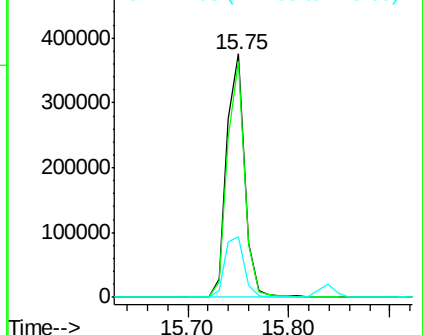
#93
 1,2,4-Trichlorobenzene
 Concen: 15.541 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 465916
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.8 143.3
 145 24.8 12.4 37.4

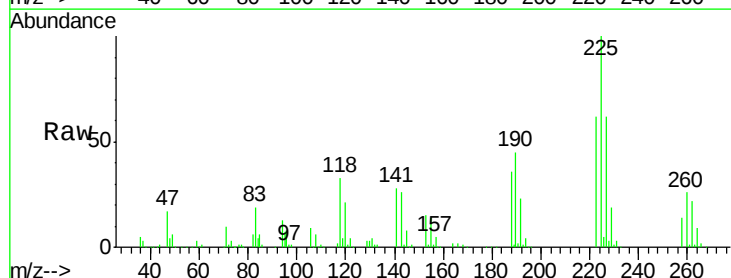


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

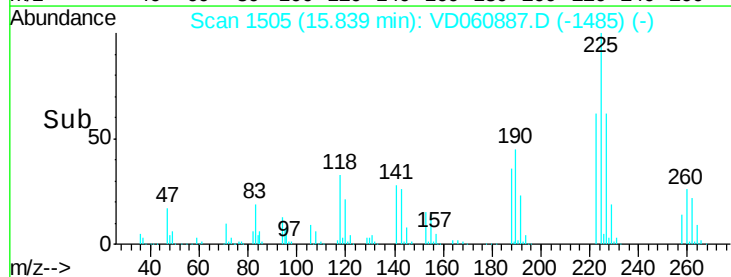
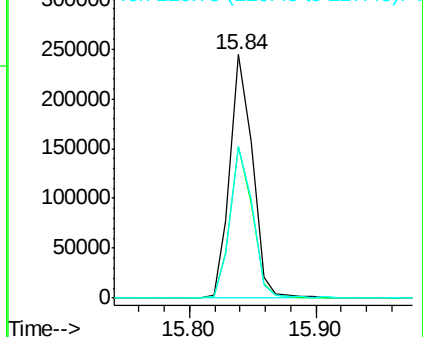


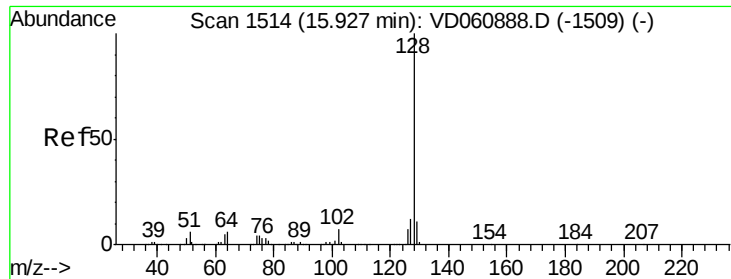
#94
 Hexachlorobutadiene
 Concen: 11.722 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060887.D
 Acq: 21 Feb 2019 17:55

Tgt Ion:225 Resp: 304320
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.5
 227 62.2 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: 16.849 ug/l

RT: 15.93 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

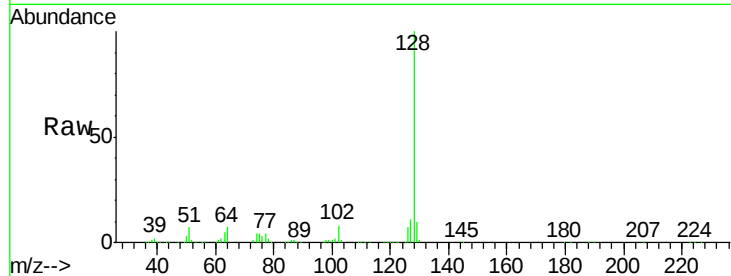
Tot Ion:128 Resp: 673770

Ion Ratio Lower Upper

128 100

127 11.5 9.8 14.6

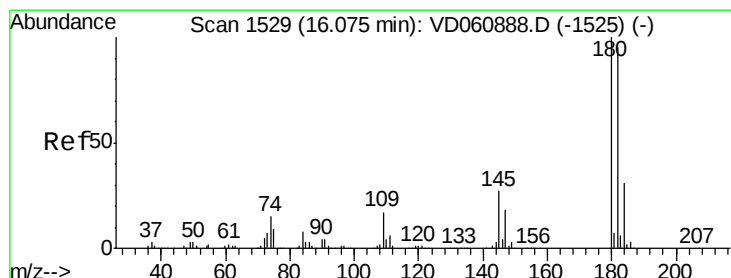
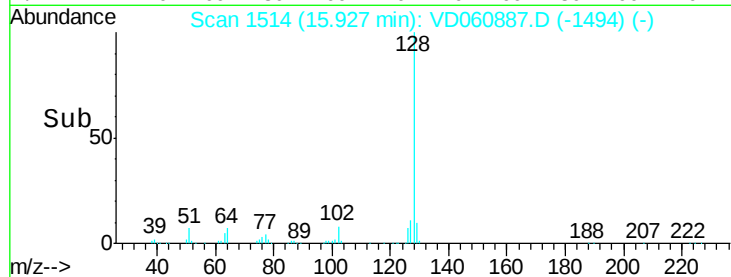
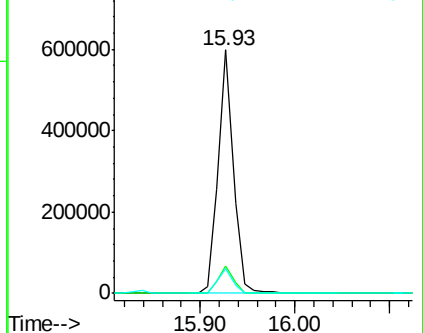
129 10.3 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 12.890 ug/l

RT: 16.08 min Scan# 1529

Delta R.T. 0.00 min

Lab File: VD060887.D

Acq: 21 Feb 2019 17:55

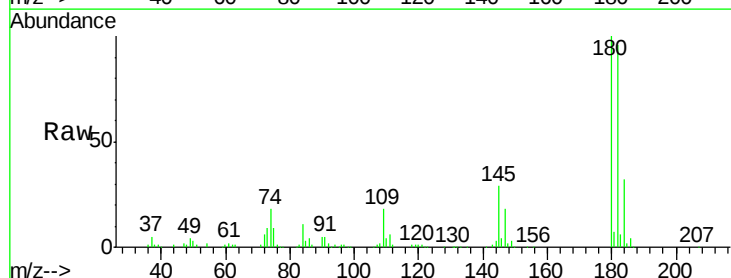
Tgt Ion:180 Resp: 312326

Ion Ratio Lower Upper

180 100

182 95.9 47.7 143.1

145 28.8 13.5 40.4



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

