

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067505.D
 Acq On : 03 Nov 2020 12:03
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 04 00:29:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	341839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	500694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	454101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	226494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	267369	89.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.90%	
35) Dibromofluoromethane	7.92	113	276740	91.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.48%	
50) Toluene-d8	10.34	98	972055	91.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.38%	
62) 4-Bromofluorobenzene	12.64	95	341185	93.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	266058	85.115	ug/l	96
3) Chloromethane	2.21	50	192356	90.363	ug/l	99
4) Vinyl Chloride	2.35	62	216800	91.349	ug/l	98
5) Bromomethane	2.76	94	169769	88.255	ug/l	94
6) Chloroethane	2.93	64	132361	90.461	ug/l	98
7) Trichlorofluoromethane	3.28	101	550042	89.509	ug/l	96
8) Diethyl Ether	3.71	74	120462	97.286	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	285060	91.899	ug/l	99
10) Methyl Iodide	4.30	142	368025	110.700	ug/l	98
11) Tert butyl alcohol	5.22	59	59019	389.963	ug/l	99
12) 1,1-Dichloroethene	4.07	96	269308	94.389	ug/l	96
13) Acrolein	3.92	56	70941	653.231	ug/l	97
14) Allyl chloride	4.72	41	302516	99.069	ug/l	99
15) Acrylonitrile	5.42	53	218655	477.709	ug/l	99
16) Acetone	4.16	43	231903	518.464	ug/l	99
17) Carbon Disulfide	4.41	76	817543	93.510	ug/l	99
18) Methyl Acetate	4.72	43	83167	89.978	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	570225	101.322	ug/l	95
20) Methylene Chloride	4.97	84	279438	88.441	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	312942	94.170	ug/l	99
22) Diisopropyl ether	6.37	45	574368	96.522	ug/l	96
23) Vinyl Acetate	6.31	43	1629514	522.146	ug/l	100
24) 1,1-Dichloroethane	6.27	63	460260	94.545	ug/l	99
25) 2-Butanone	7.21	43	232417	486.290	ug/l	97
26) 2,2-Dichloropropane	7.21	77	484517	94.304	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	328179	95.143	ug/l	97
28) Bromochloromethane	7.55	49	171956	99.304	ug/l	99
29) Tetrahydrofuran	7.57	42	139820	488.390	ug/l	98
30) Chloroform	7.71	83	542147	93.350	ug/l	98
31) Cyclohexane	7.99	56	374327	86.347	ug/l	89
32) 1,1,1-Trichloroethane	7.91	97	551635	92.058	ug/l	99
36) 1,1-Dichloropropene	8.11	75	405955	94.720	ug/l	99
37) Ethyl Acetate	7.30	43	107302	96.437	ug/l	98
38) Carbon Tetrachloride	8.10	117	524168	94.131	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	498887	98.900	ug/l	97
40) Benzene	8.36	78	1092947	94.143	ug/l	98
41) Methacrylonitrile	7.56	41	150542	268.978	ug/l #	36
42) 1,2-Dichloroethane	8.43	62	339056	94.526	ug/l	99
43) Isopropyl Acetate	8.46	43	213812	97.163	ug/l	99
44) Trichloroethene	9.12	130	356579	93.413	ug/l	96
45) 1,2-Dichloropropane	9.39	63	238887	95.173	ug/l	98
46) Dibromomethane	9.48	93	149394	93.609	ug/l	97
47) Bromodichloromethane	9.67	83	407926	94.040	ug/l	97
48) Methyl methacrylate	9.46	41	108417	95.421	ug/l	93
49) 1,4-Dioxane	9.47	88	30182	1862.906	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	519060	493.205	ug/l	100
52) Toluene	10.41	92	759031	97.613	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	369231	99.386	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	430854	97.611	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	199610	94.529	ug/l	99
56) Ethyl methacrylate	10.67	69	223822	102.642	ug/l	96
57) 1,3-Dichloropropane	10.95	76	327282	96.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	519696	511.067	ug/l	99
59) 2-Hexanone	10.99	43	383622	521.329	ug/l	99
60) Dibromochloromethane	11.14	129	295166	94.493	ug/l	97
61) 1,2-Dibromoethane	11.26	107	200054	94.396	ug/l	98
64) Tetrachloroethene	10.88	164	301190	89.559	ug/l	97
65) Chlorobenzene	11.68	112	819386	93.674	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	320672	93.014	ug/l	100
67) Ethyl Benzene	11.75	91	1463947	97.804	ug/l	100
68) m/p-Xylenes	11.86	106	1121978	192.670	ug/l	100
69) o-Xylene	12.18	106	517822	99.597	ug/l	98
70) Styrene	12.20	104	872639	96.321	ug/l	99
71) Bromoform	12.37	173	164814	93.735	ug/l #	99
73) Isopropylbenzene	12.48	105	1461872	99.869	ug/l	100
74) N-amyl acetate	12.30	43	193653	100.541	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	189724	95.050	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	266823	186.809	ug/l #	100
77) Bromobenzene	12.77	156	339470	94.431	ug/l	99
78) n-propylbenzene	12.83	91	1633645	97.570	ug/l	100
79) 2-Chlorotoluene	12.91	91	926714	97.437	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1237852	98.993	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	62390	92.706	ug/l	95
82) 4-Chlorotoluene	13.01	91	970191	95.112	ug/l	100
83) tert-Butylbenzene	13.23	119	1070944	101.055	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1216247	97.714	ug/l	97
85) sec-Butylbenzene	13.41	105	1425171	99.619	ug/l	99
86) p-Isopropyltoluene	13.52	119	1359463	98.404	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	638854	93.133	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	635054	91.430	ug/l	99
89) n-Butylbenzene	13.85	91	1190562	99.771	ug/l	98
90) Hexachloroethane	14.12	117	257857	99.114	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	558165	94.019	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	34870	98.668	ug/l	98

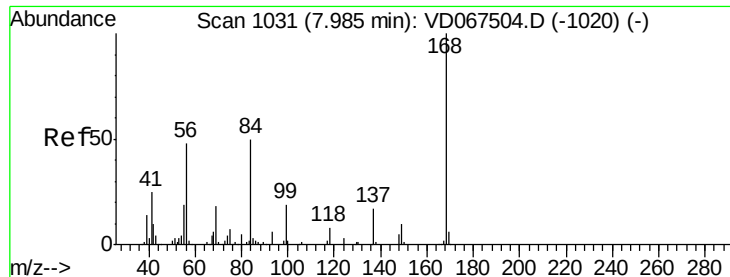
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110320\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:25:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	403935	100.248	ug/l	99
94) Hexachlorobutadiene	15.27	225	259361	96.176	ug/l	99
95) Naphthalene	15.41	128	670667	107.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	343978	99.690	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

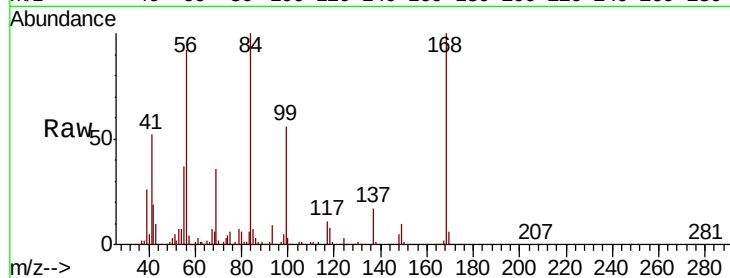
VSTDIC100

Tot Ion:168 Resp: 341839

Ion Ratio Lower Upper

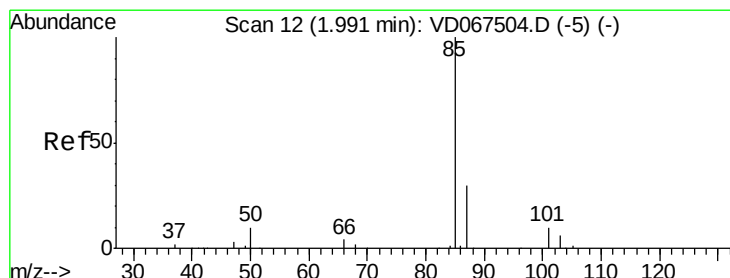
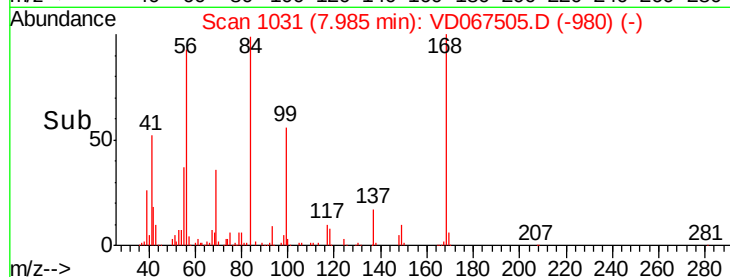
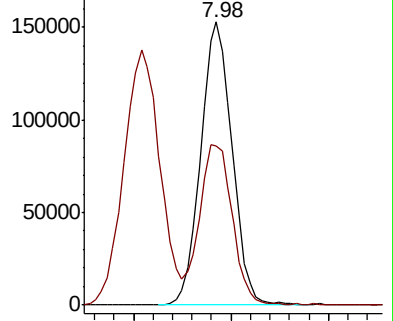
168 100

99 55.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 85.115 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067505.D

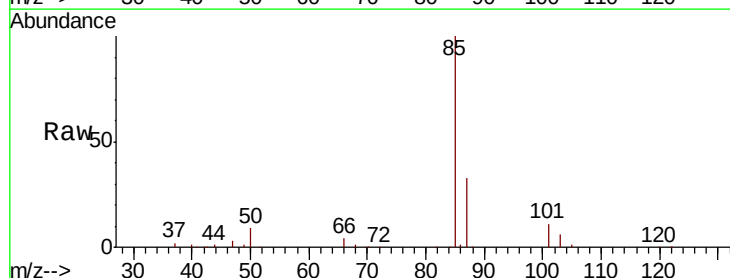
Acq: 03 Nov 2020 12:03

Tgt Ion: 85 Resp: 266058

Ion Ratio Lower Upper

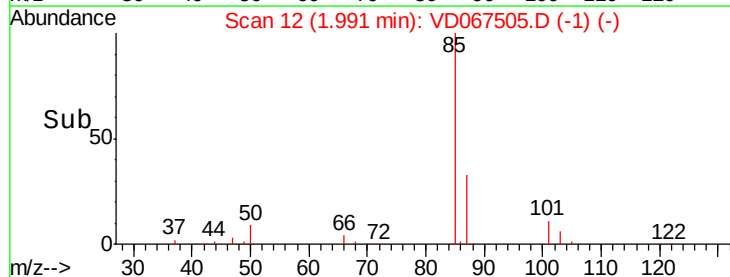
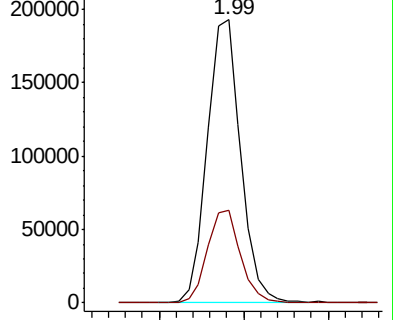
85 100

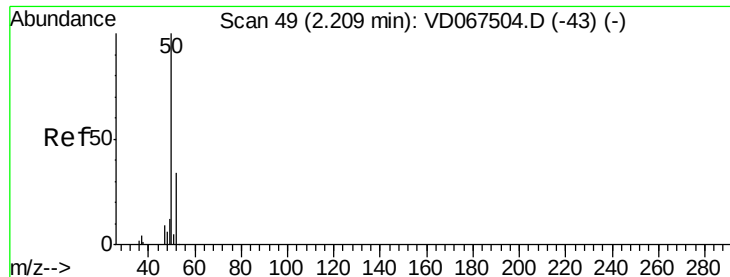
87 32.6 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 90.363 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

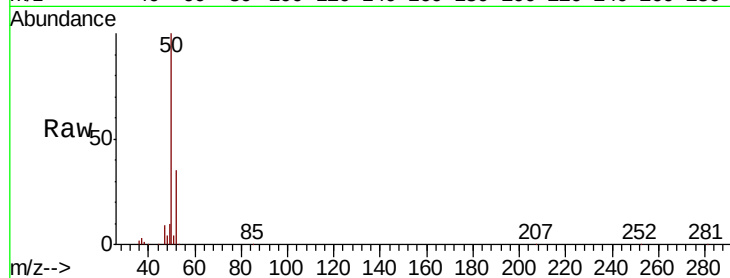
VSTDIC100

Tot Ion: 50 Resp: 192356

Ion Ratio Lower Upper

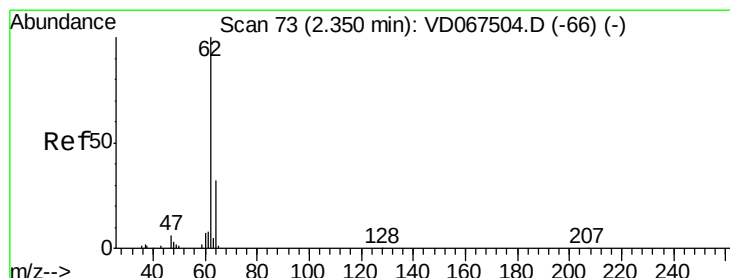
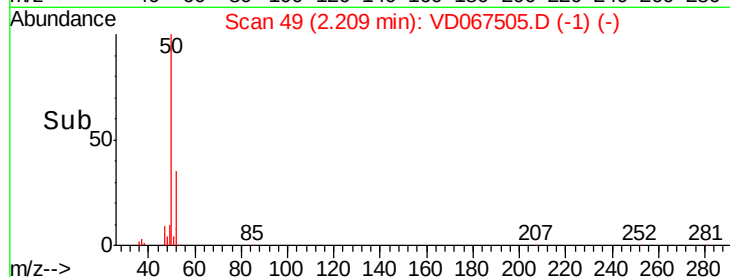
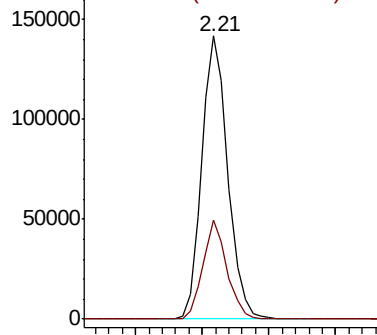
50 100

52 34.9 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 91.349 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067505.D

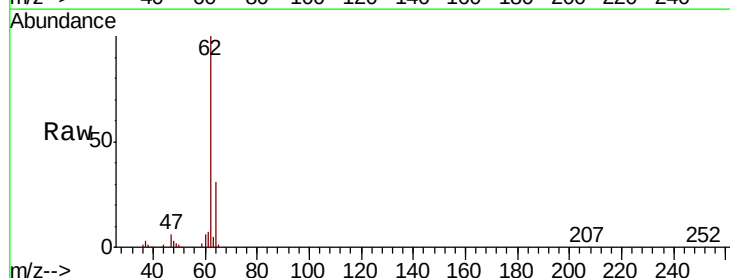
Acq: 03 Nov 2020 12:03

Tgt Ion: 62 Resp: 216800

Ion Ratio Lower Upper

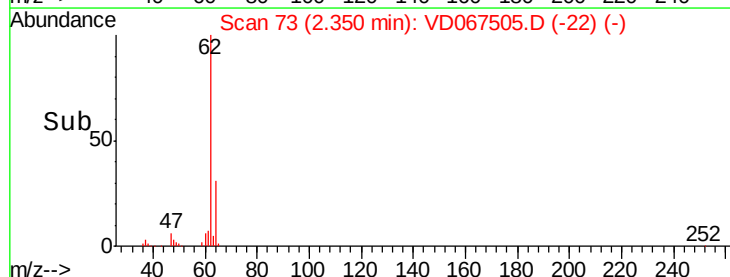
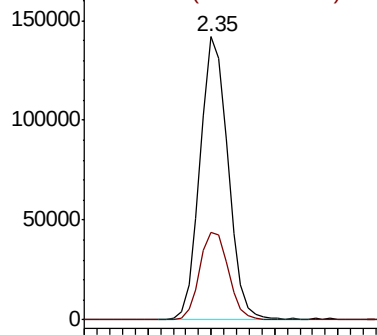
62 100

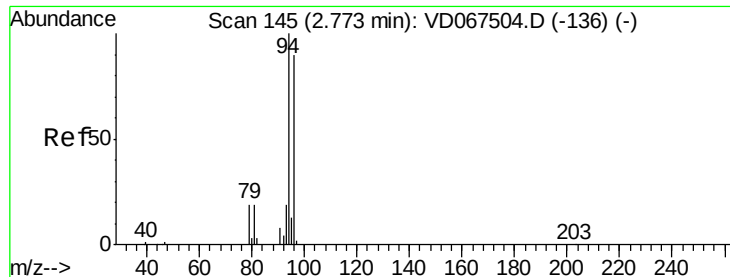
64 31.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 88.255 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

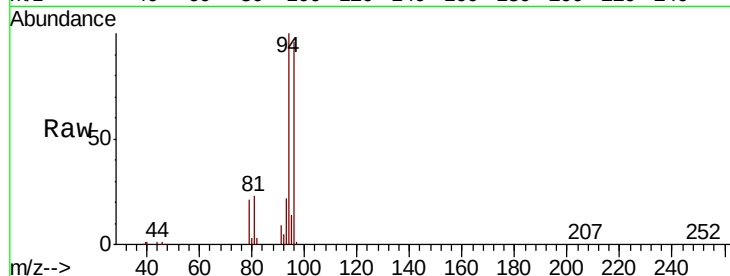
VSTDIC100

Tot Ion: 94 Resp: 169769

Ion Ratio Lower Upper

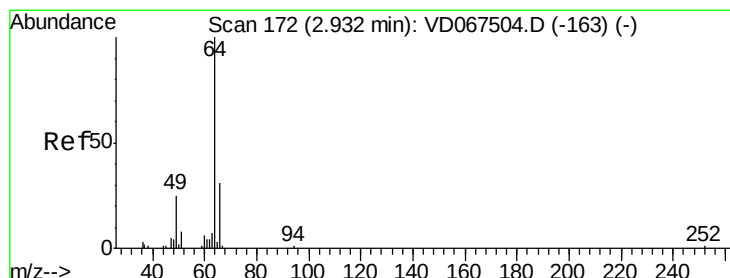
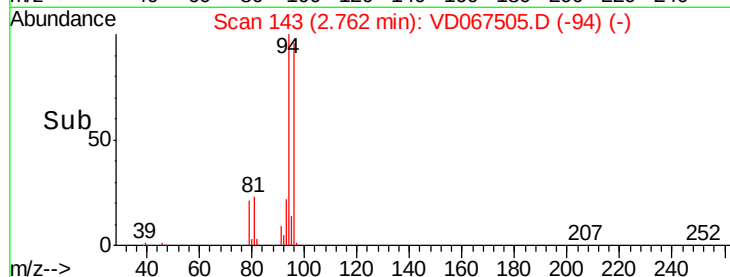
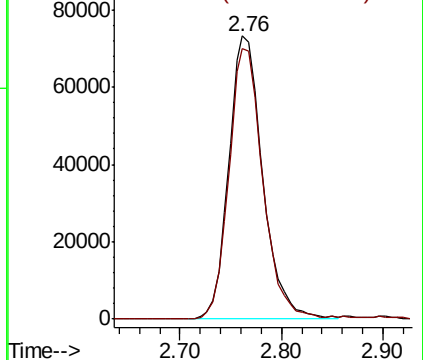
94 100

96 95.8 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 90.461 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067505.D

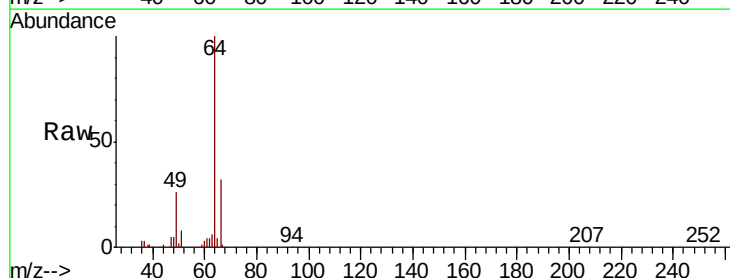
Acq: 03 Nov 2020 12:03

Tgt Ion: 64 Resp: 132361

Ion Ratio Lower Upper

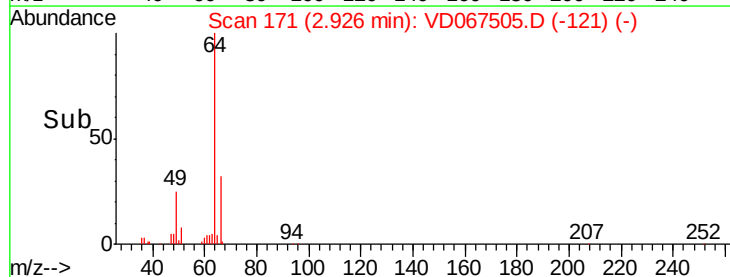
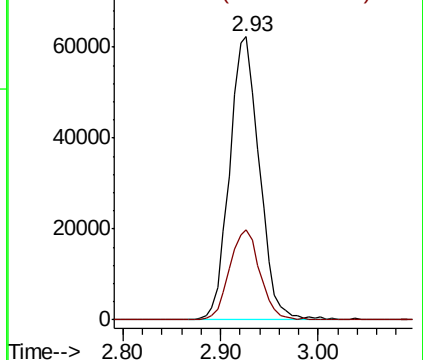
64 100

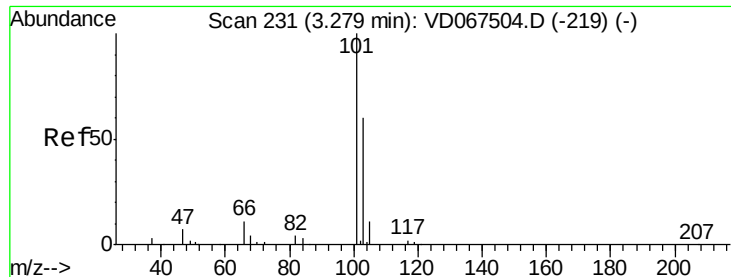
66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



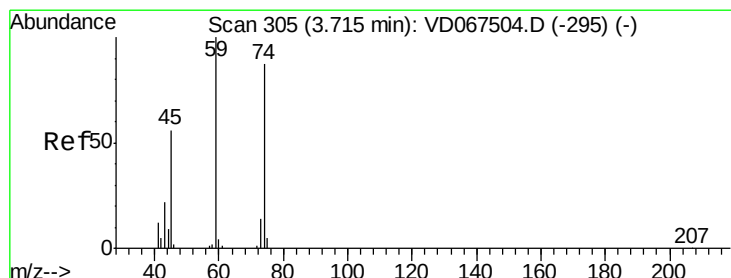
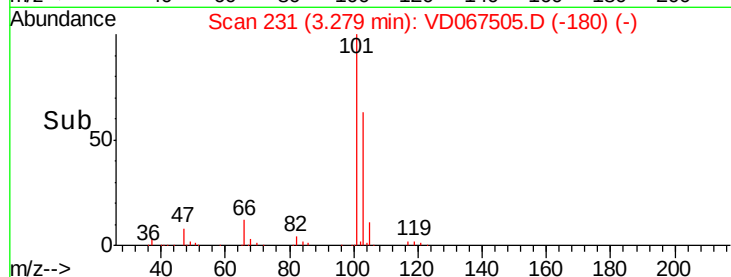
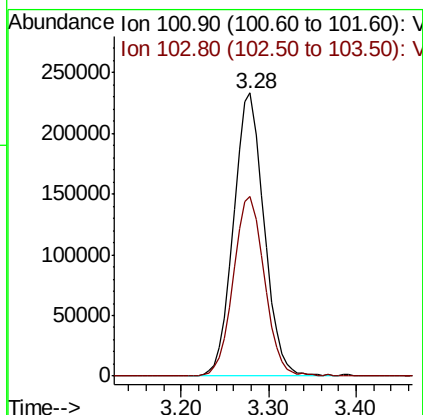
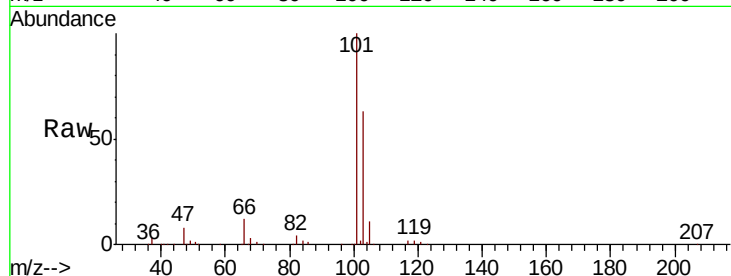


#7

Trichlorofluoromethane
Concen: 89.509 ug/l
RT: 3.28 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

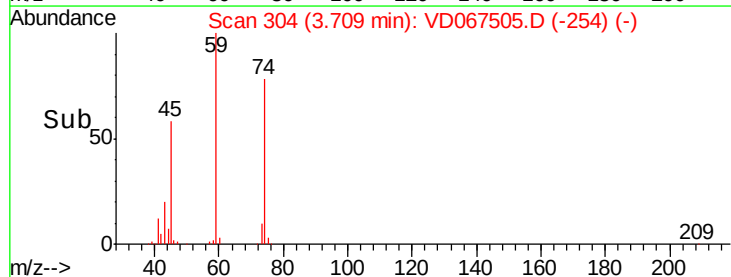
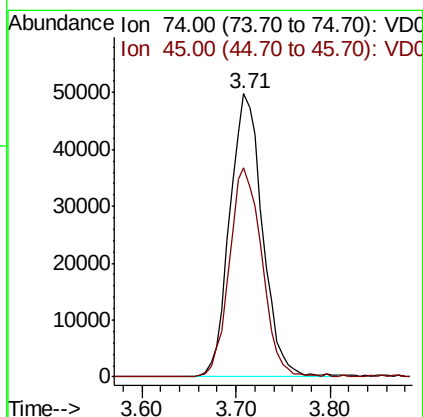
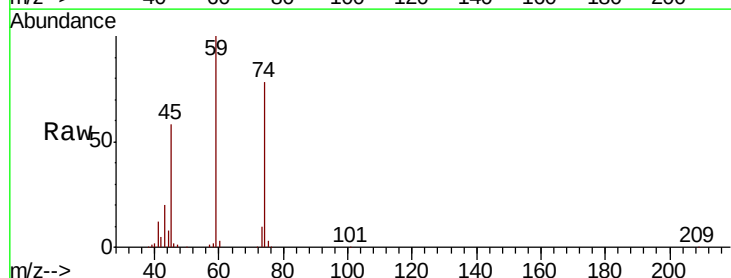
Tot Ion:101 Resp: 550042
Ion Ratio Lower Upper
101 100
103 63.4 48.1 72.1

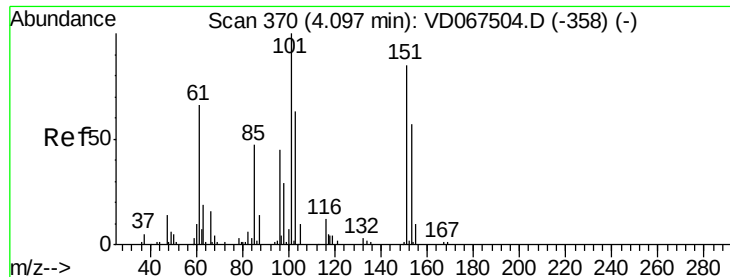


#8

Diethyl Ether
Concen: 97.286 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 74 Resp: 120462
Ion Ratio Lower Upper
74 100
45 73.2 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.899 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

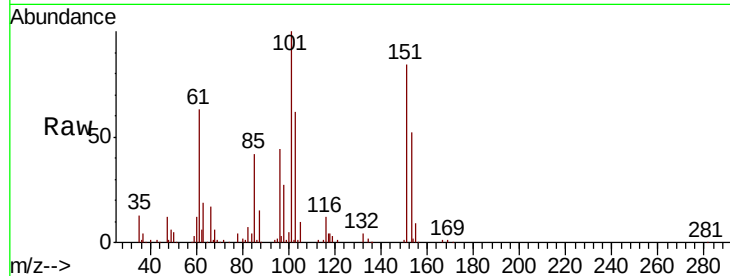
Tot Ion:101 Resp: 285060

Ion Ratio Lower Upper

101 100

85 42.9 34.4 51.6

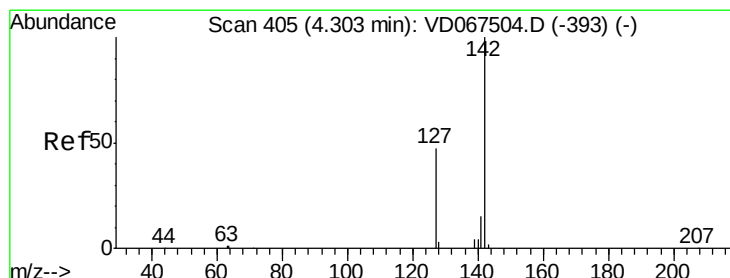
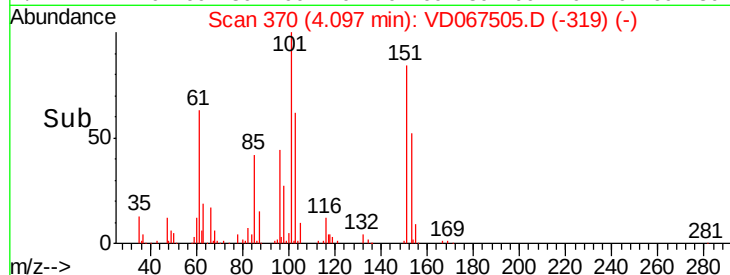
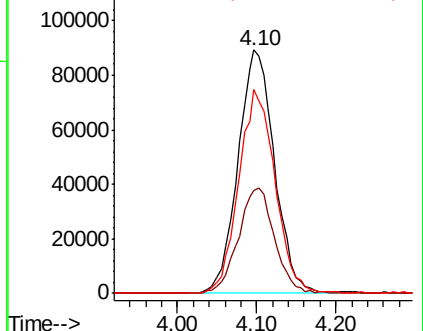
151 83.2 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 110.700 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

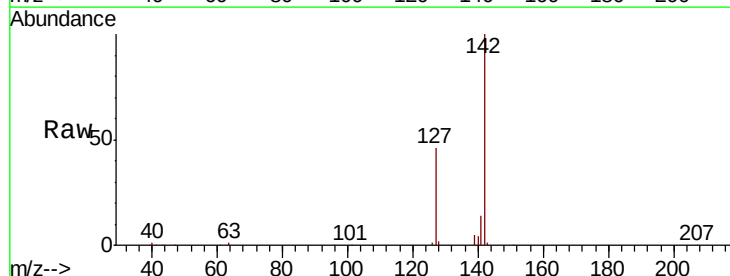
Tgt Ion:142 Resp: 368025

Ion Ratio Lower Upper

142 100

127 48.7 40.0 60.0

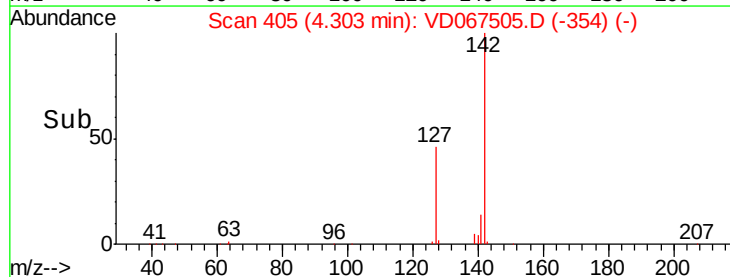
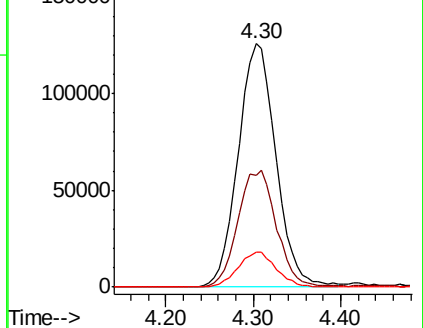
141 14.5 11.7 17.5

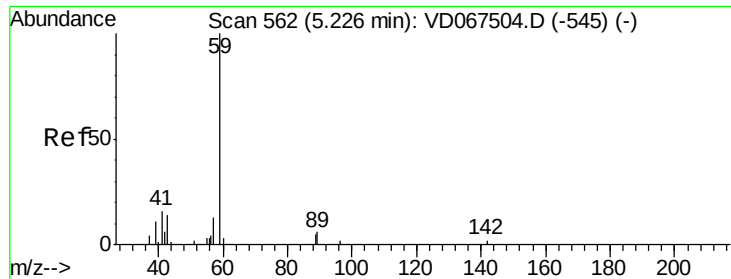


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 389.963 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

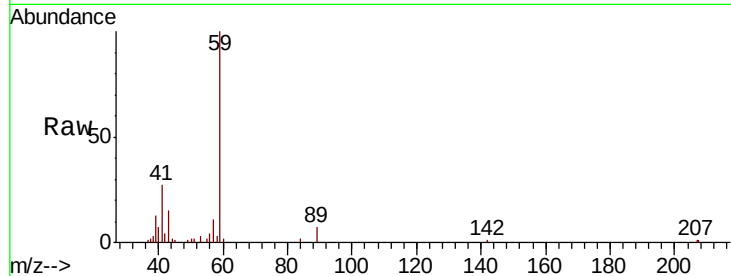
VSTDIC100

Tot Ion: 59 Resp: 59019

Ion Ratio Lower Upper

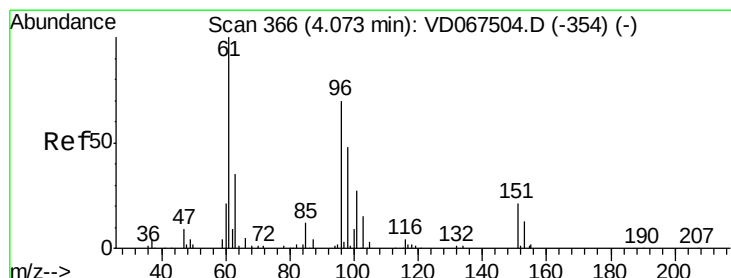
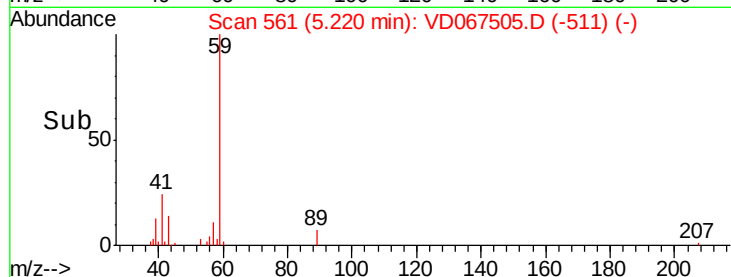
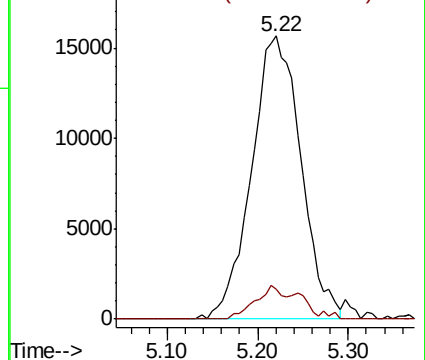
59 100

57 6.9 5.9 8.9



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 94.389 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

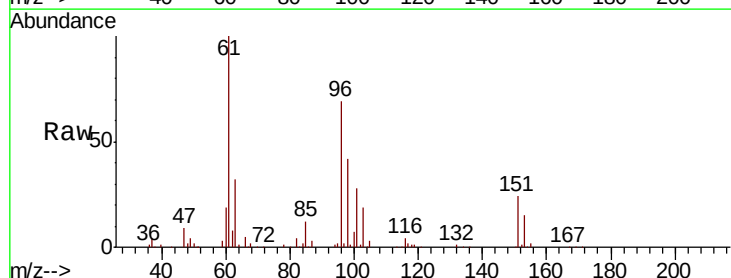
Tgt Ion: 96 Resp: 269308

Ion Ratio Lower Upper

96 100

61 144.8 114.5 171.7

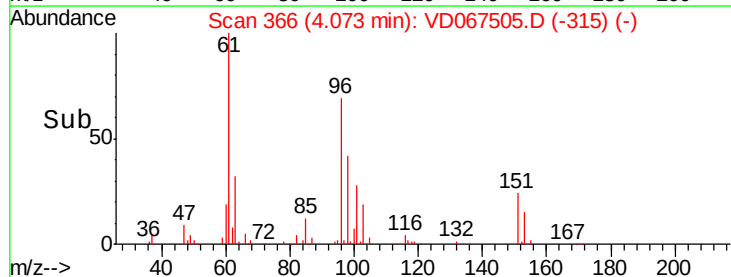
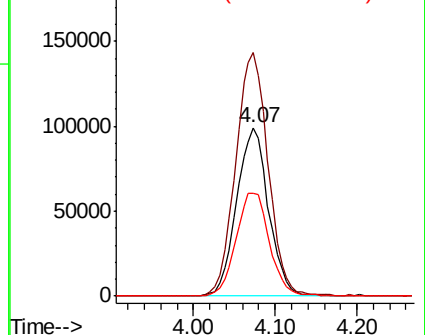
98 61.5 54.5 81.7

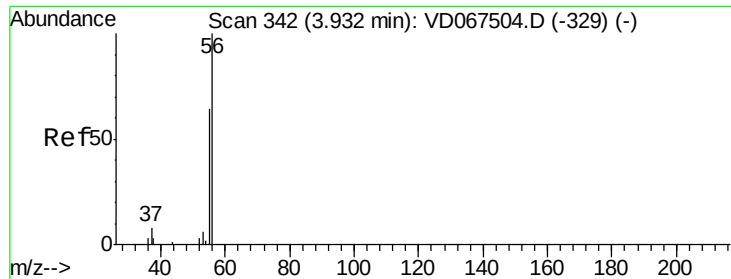


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 653.231 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

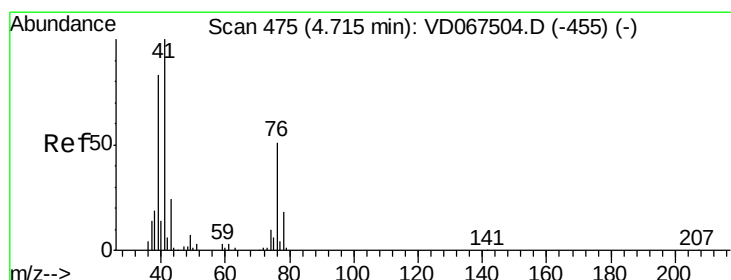
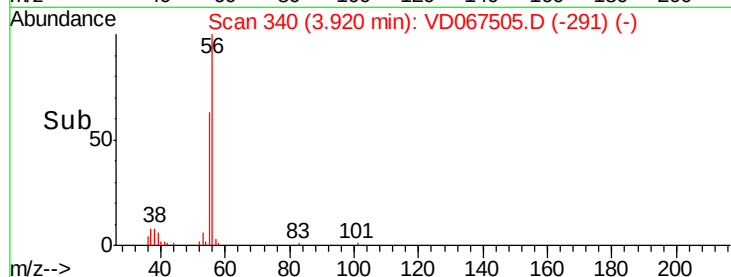
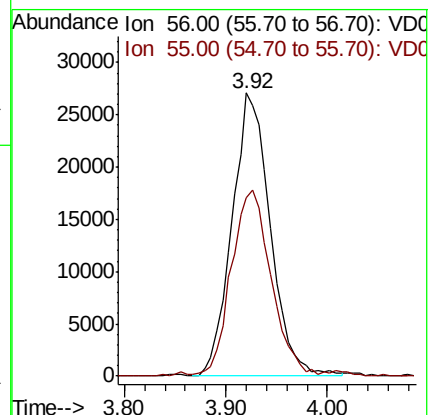
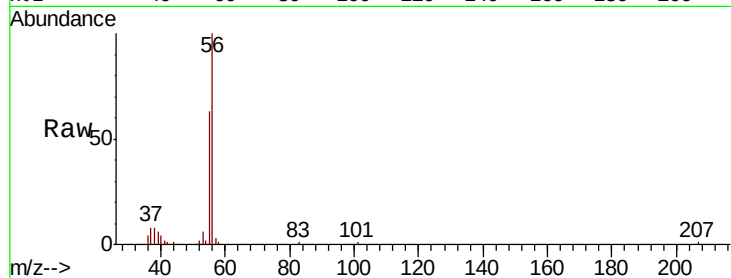
VSTDIC100

Tot Ion: 56 Resp: 70941

Ion Ratio Lower Upper

56 100

55 67.3 55.8 83.8



#14

Allyl chloride

Concen: 99.069 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

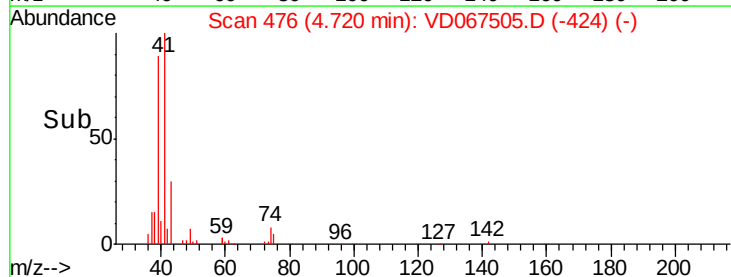
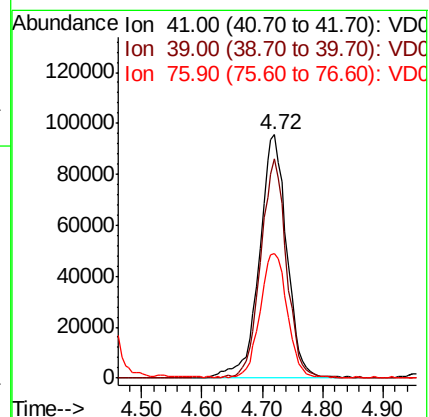
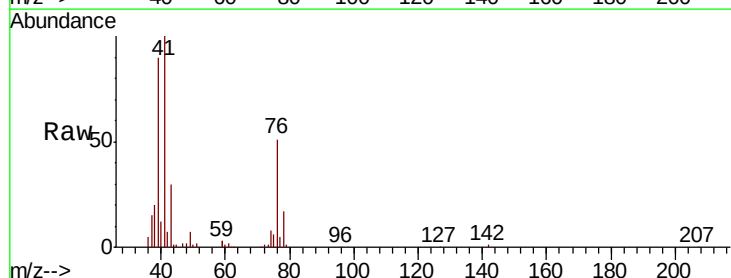
Tgt Ion: 41 Resp: 302516

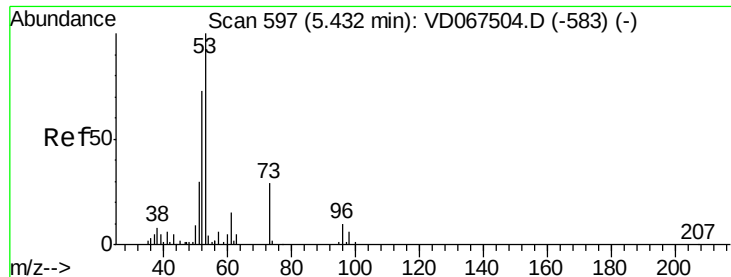
Ion Ratio Lower Upper

41 100

39 84.5 67.4 101.0

76 50.5 42.2 63.2





#15

Acrylonitrile

Concen: 477.709 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

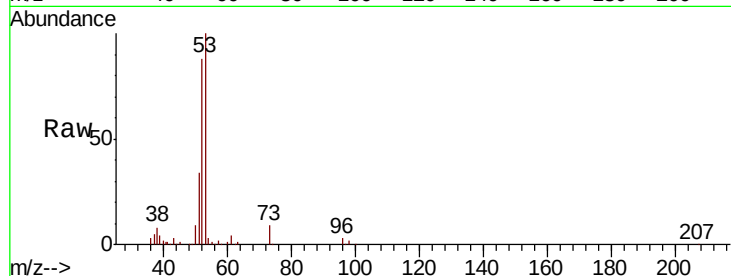
Tot Ion: 53 Resp: 218655

Ion Ratio Lower Upper

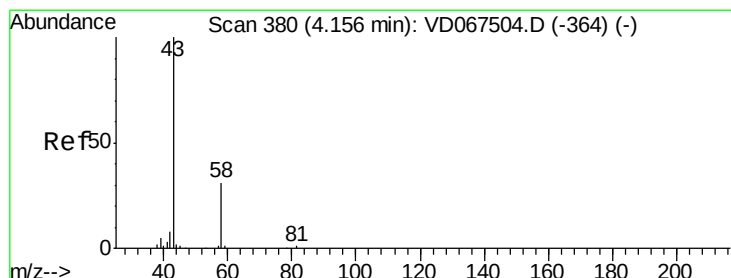
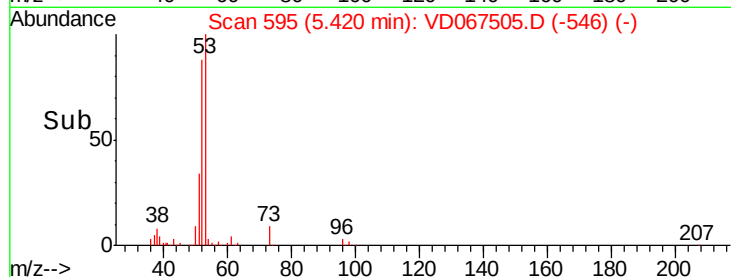
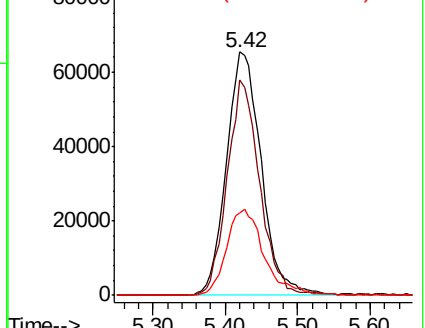
53 100

52 82.3 64.8 97.2

51 37.8 29.5 44.3



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



#16

Acetone

Concen: 518.464 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067505.D

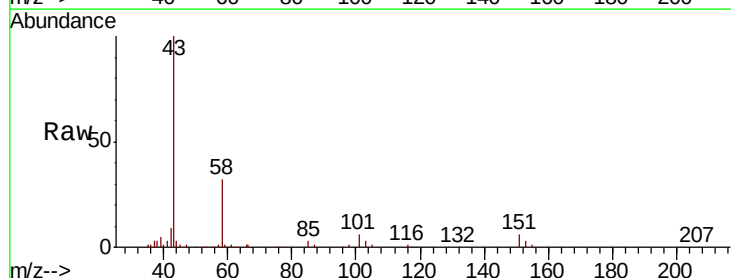
Acq: 03 Nov 2020 12:03

Tgt Ion: 43 Resp: 231903

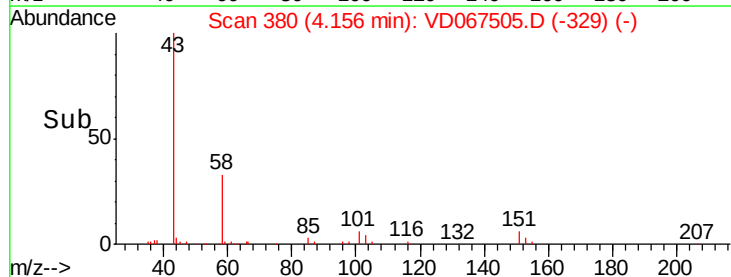
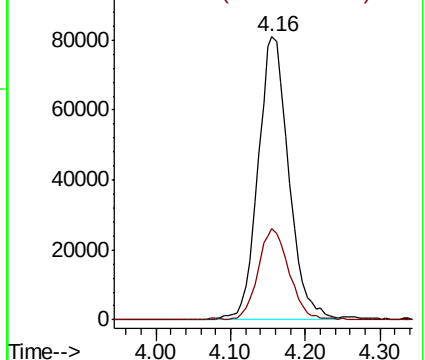
Ion Ratio Lower Upper

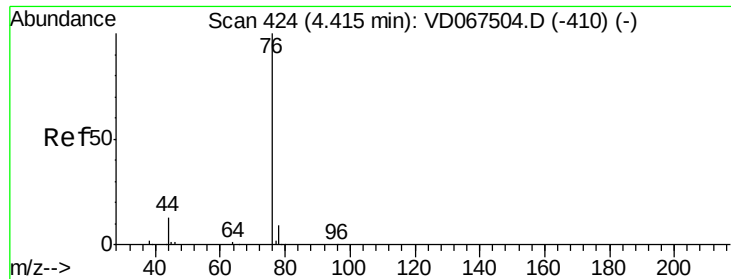
43 100

58 32.2 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

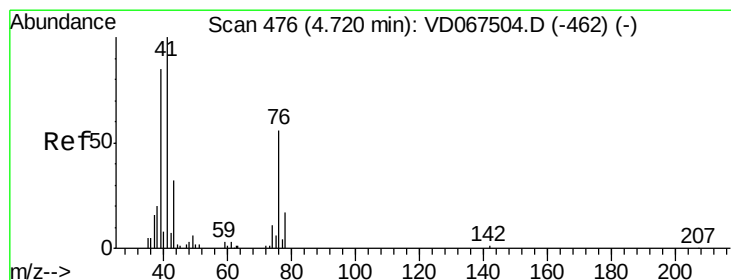
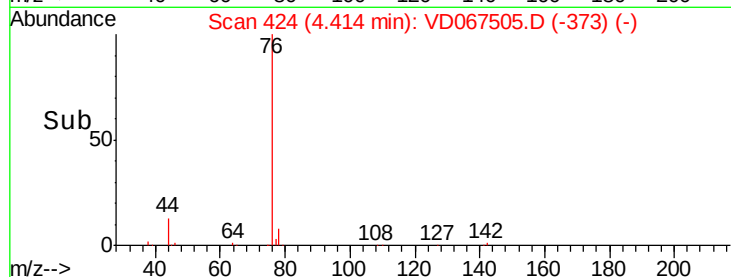
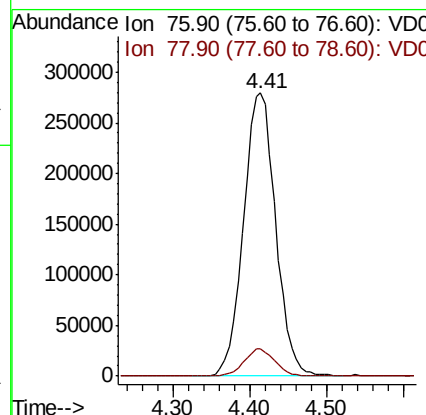
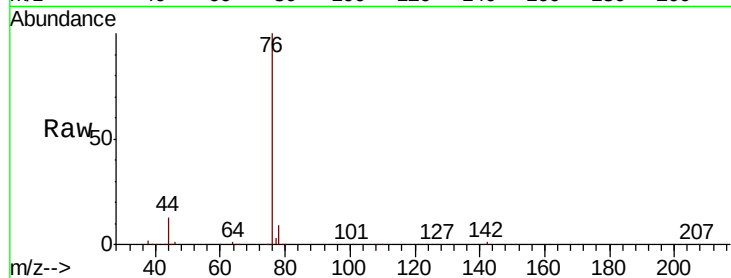




#17
Carbon Disulfide
Concen: 93.510 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

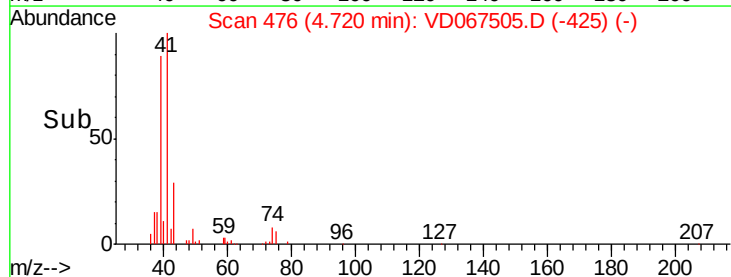
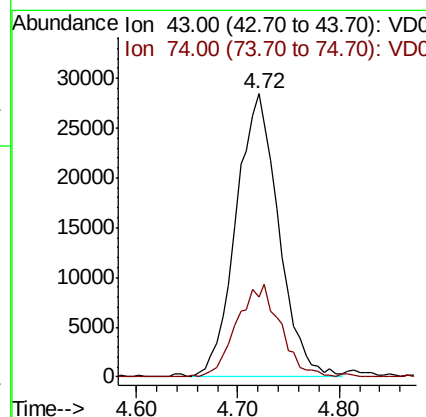
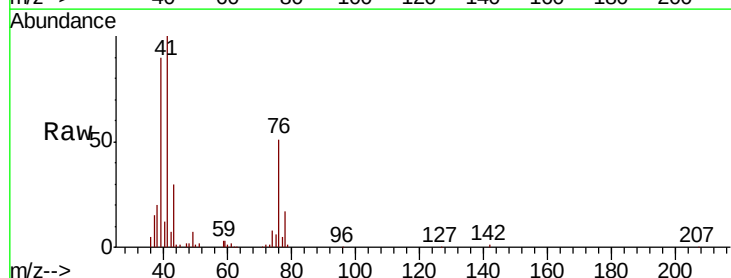
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

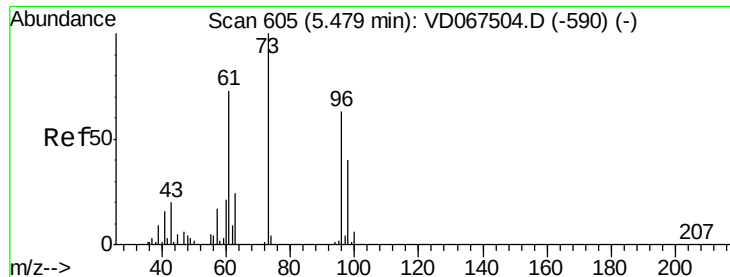
Tot Ion: 76 Resp: 817543
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#18
Methyl Acetate
Concen: 89.978 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 43 Resp: 83167
Ion Ratio Lower Upper
43 100
74 33.3 27.2 40.8

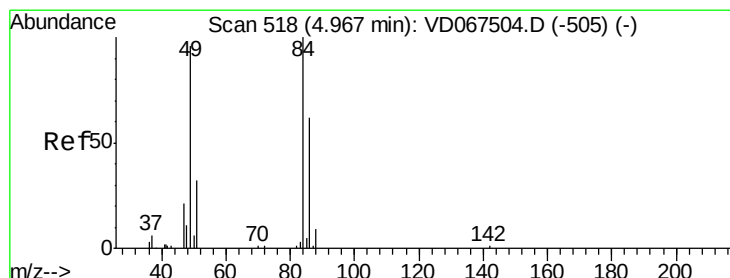
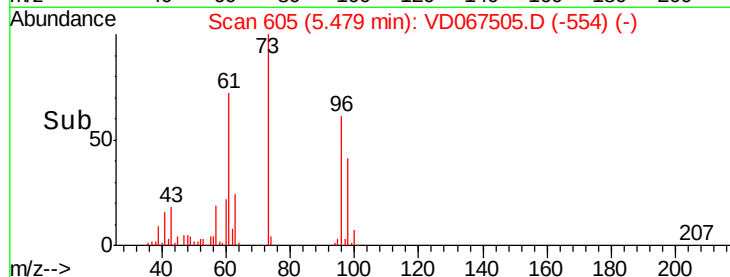
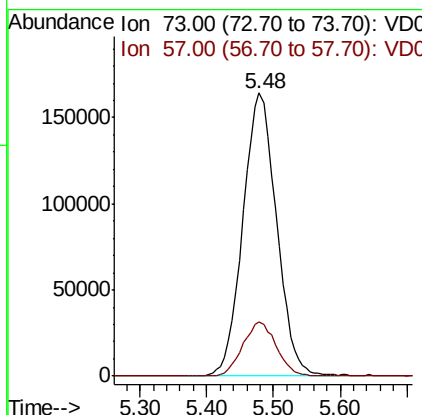
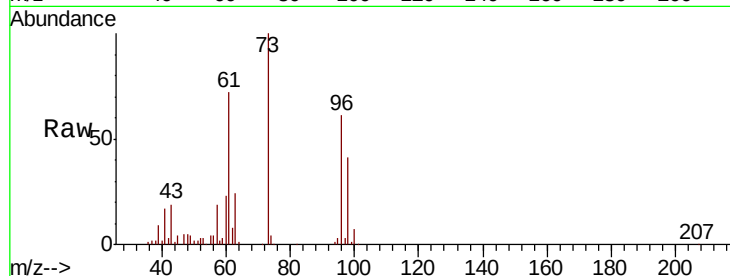




#19
Methyl tert-butyl Ether
Concen: 101.322 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

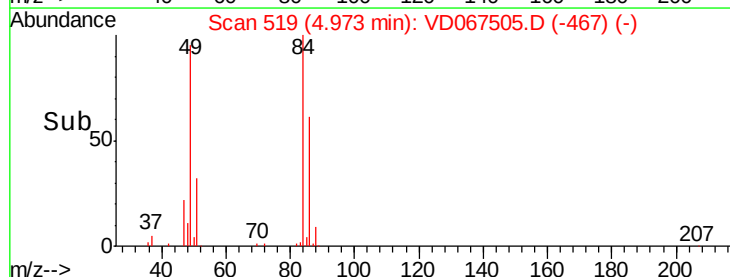
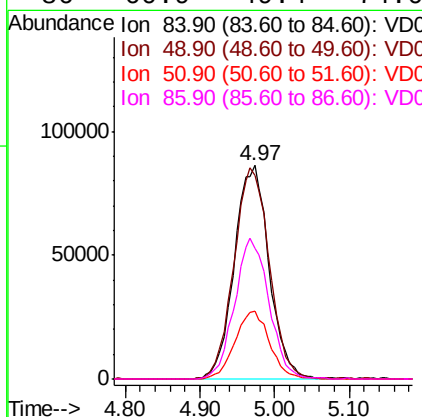
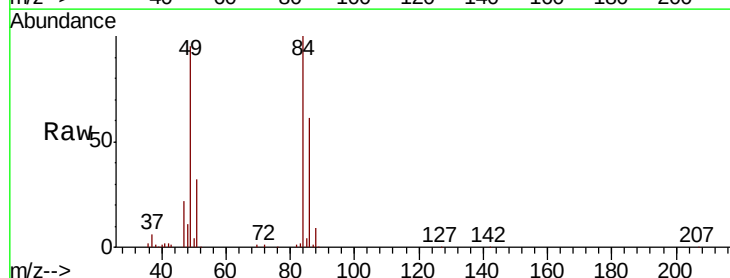
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

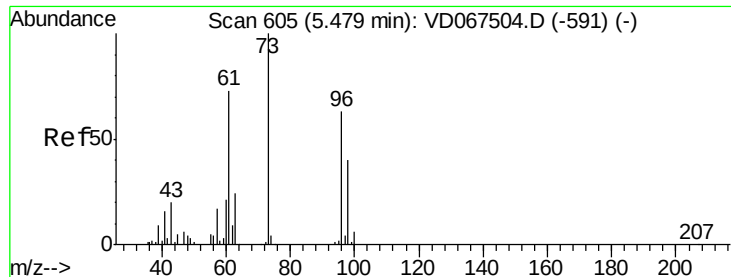
Tot Ion: 73 Resp: 570225
Ion Ratio Lower Upper
73 100
57 19.1 13.4 20.0



#20
Methylene Chloride
Concen: 88.441 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 84 Resp: 279438
Ion Ratio Lower Upper
84 100
49 95.5 77.0 115.4
51 31.8 25.4 38.2
86 60.9 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 94.170 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

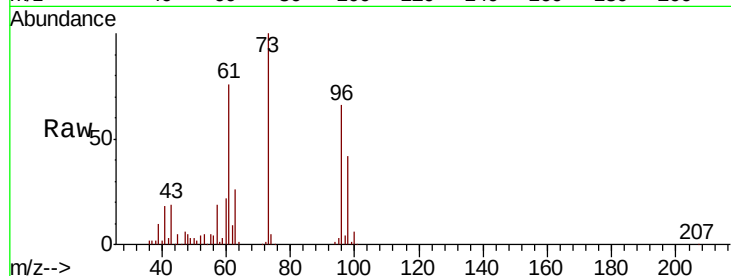
Tot Ion: 96 Resp: 312942

Ion Ratio Lower Upper

96 100

61 116.3 93.0 139.6

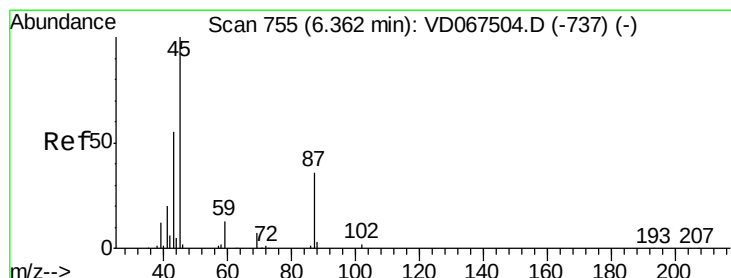
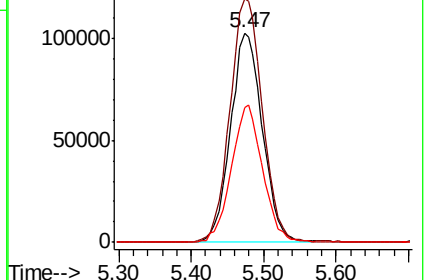
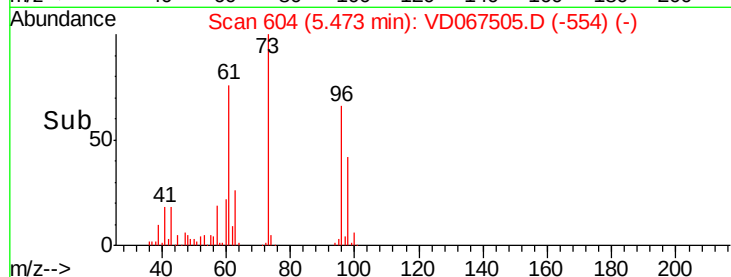
98 64.7 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 96.522 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Tgt Ion: 45 Resp: 574368

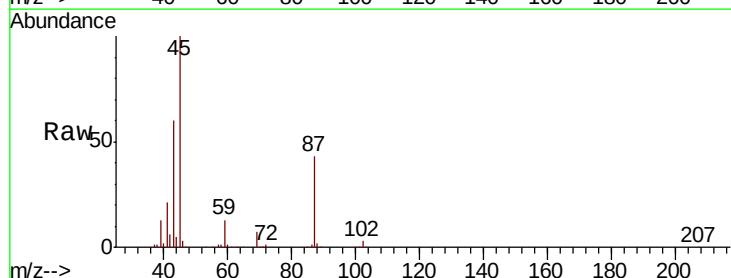
Ion Ratio Lower Upper

45 100

43 58.7 46.2 69.4

87 42.4 29.4 44.2

59 13.0 10.8 16.2

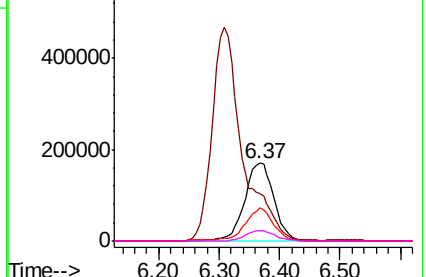
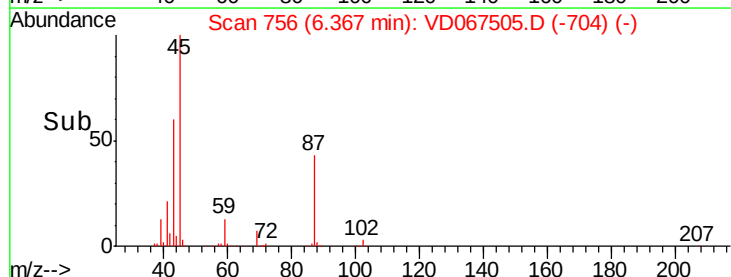


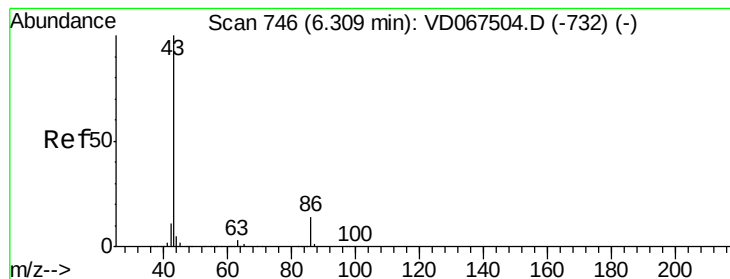
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 522.146 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

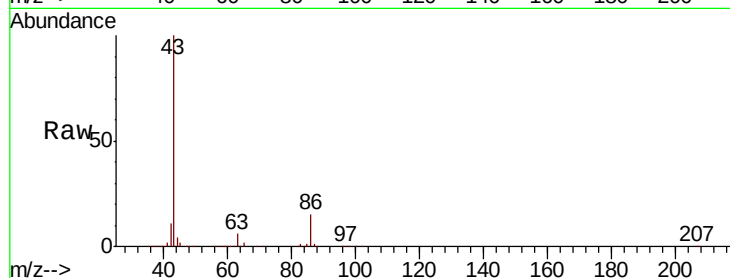
VSTDICC100

Tot Ion: 43 Resp: 1629514

Ion Ratio Lower Upper

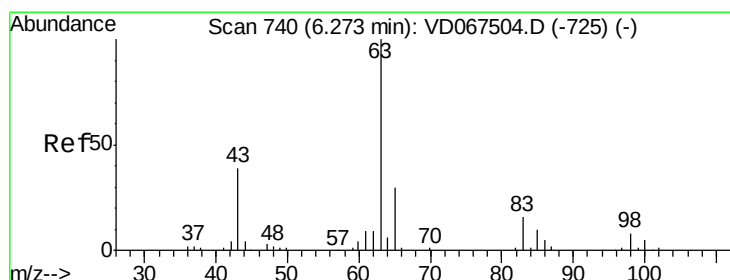
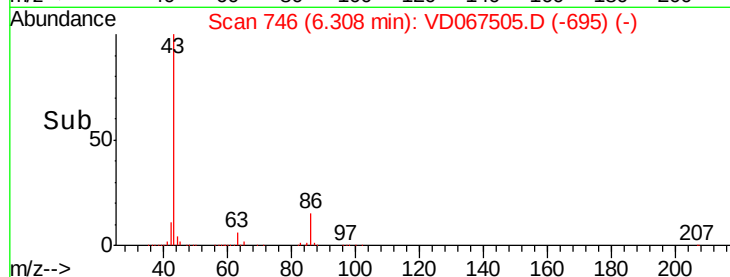
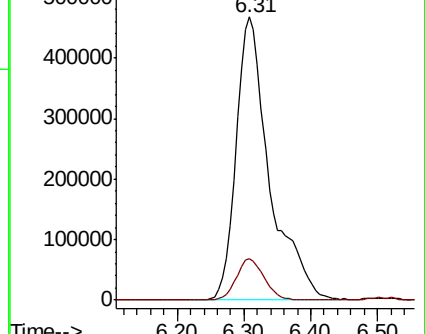
43 100

86 14.6 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 94.545 ug/l

RT: 6.27 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

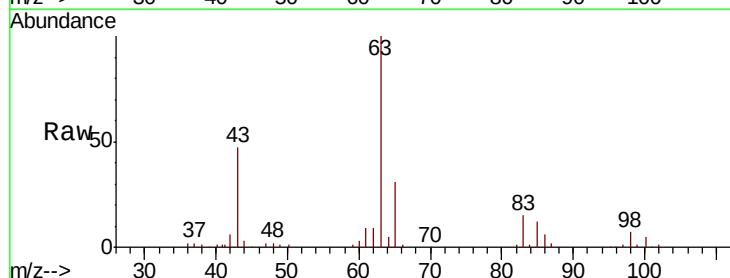
Tgt Ion: 63 Resp: 460260

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

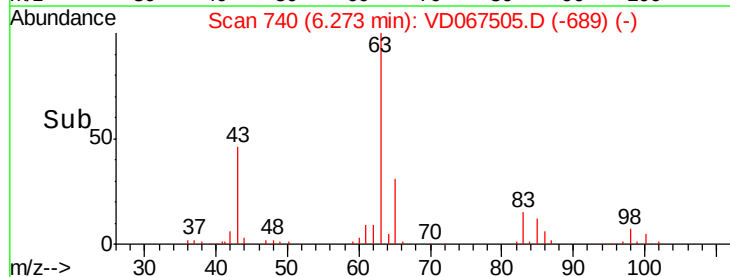
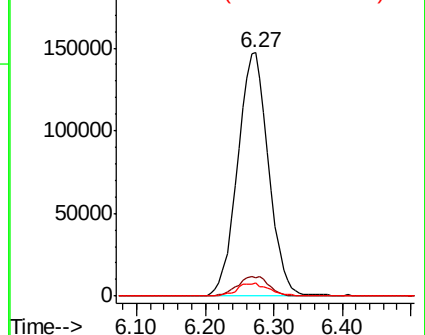
100 5.3 2.6 7.8

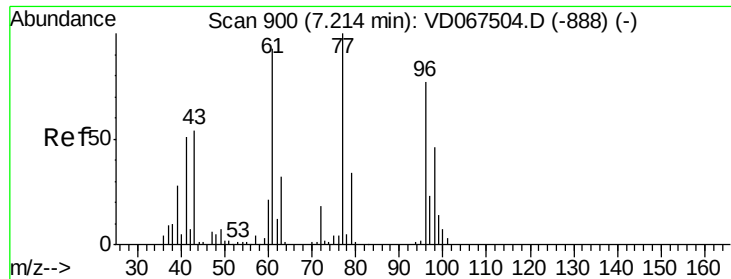


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 486.290 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

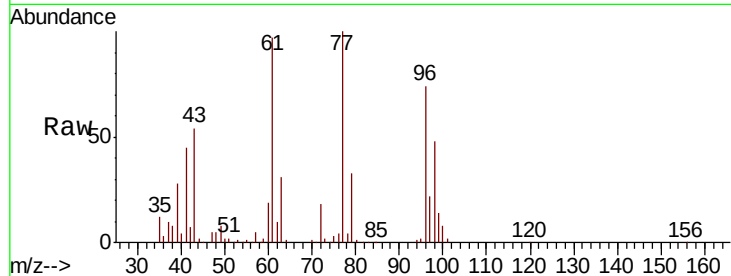
VSTDIC100

Tot Ion: 43 Resp: 232417

Ion Ratio Lower Upper

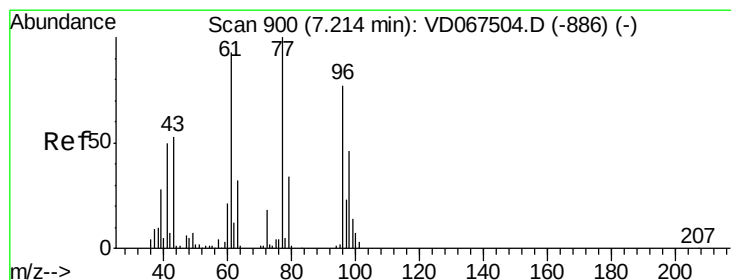
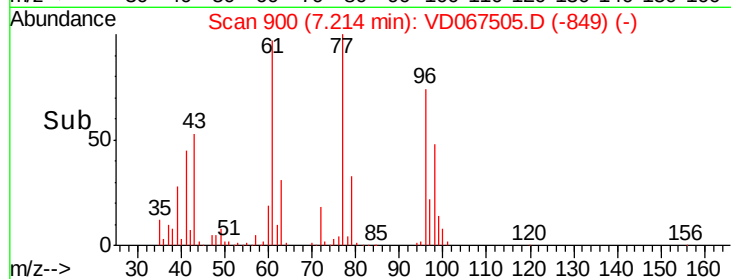
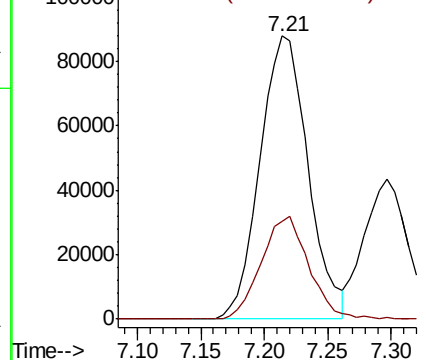
43 100

72 34.5 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 94.304 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067505.D

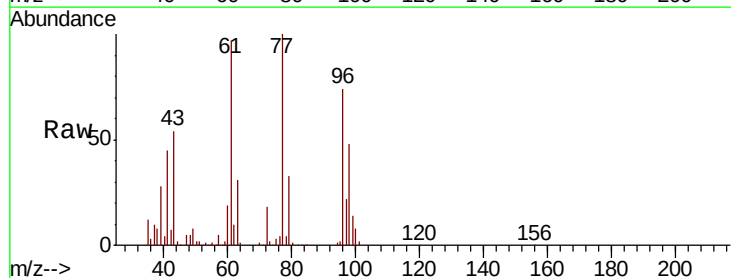
Acq: 03 Nov 2020 12:03

Tgt Ion: 77 Resp: 484517

Ion Ratio Lower Upper

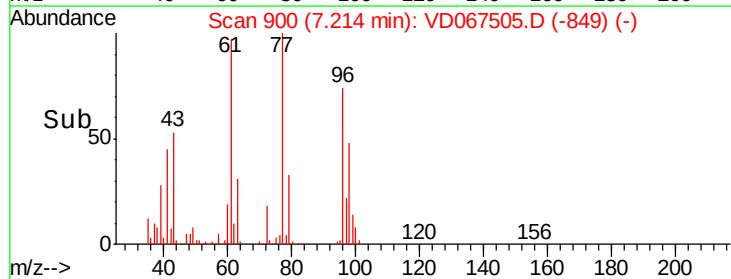
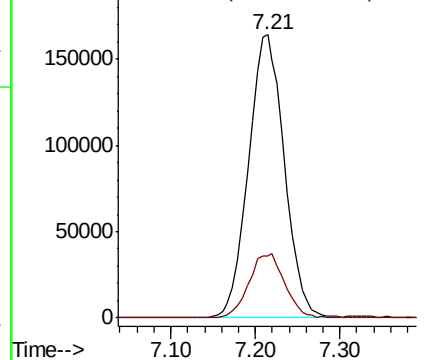
77 100

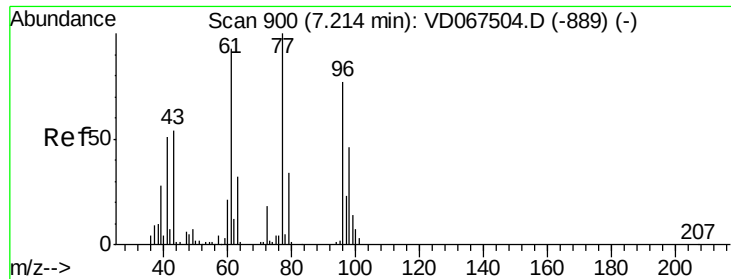
97 22.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



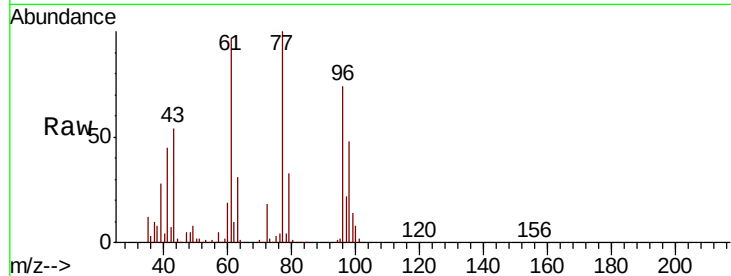


#27

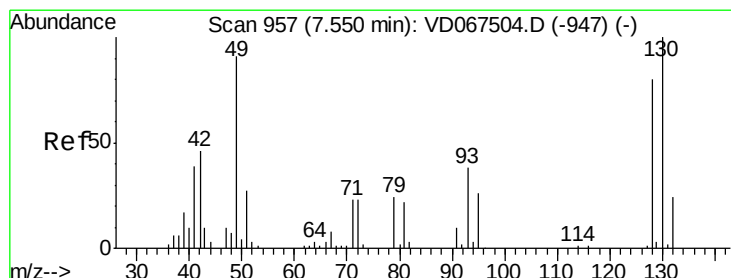
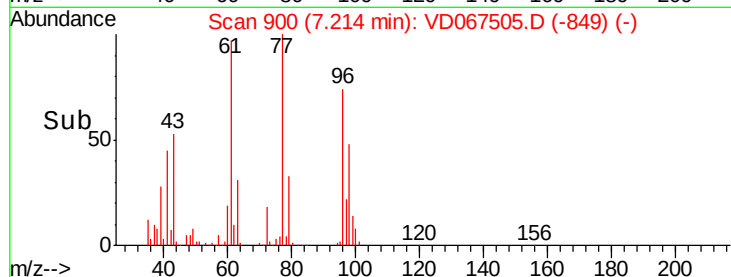
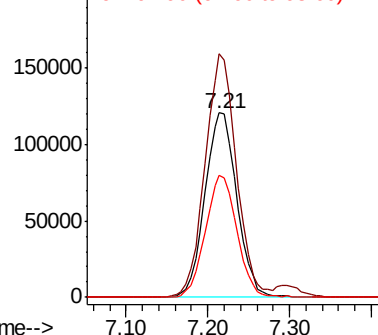
cis-1,2-Dichloroethene
Concen: 95.143 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 328179
Ion Ratio Lower Upper
96 100
61 129.5 0.0 251.6
98 65.1 0.0 128.0



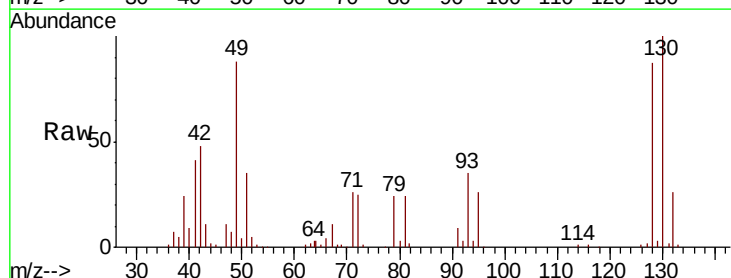
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



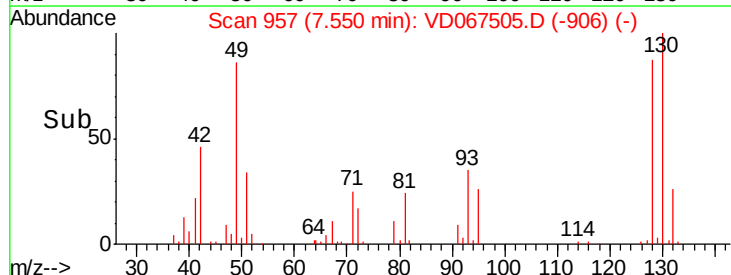
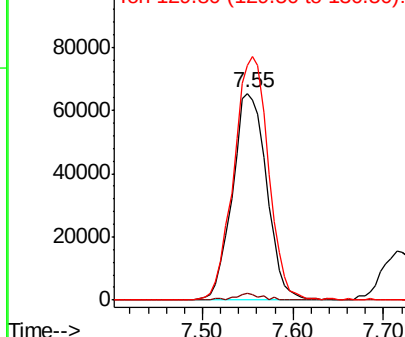
#28

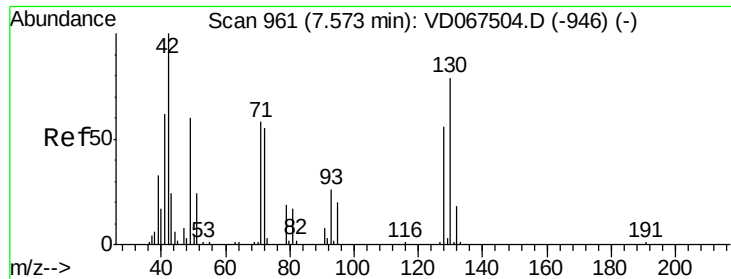
Bromochloromethane
Concen: 99.304 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 49 Resp: 171956
Ion Ratio Lower Upper
49 100
129 2.6 0.0 6.4
130 118.9 94.6 142.0



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

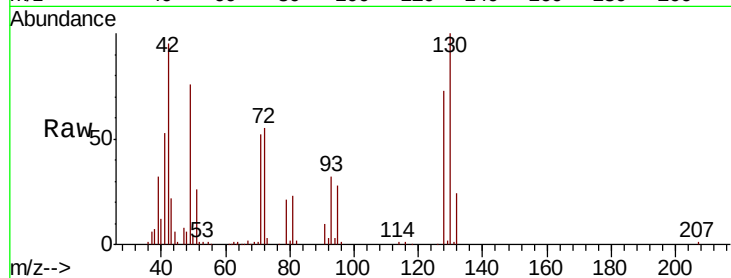




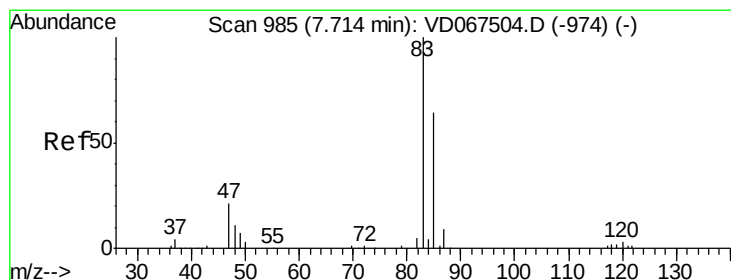
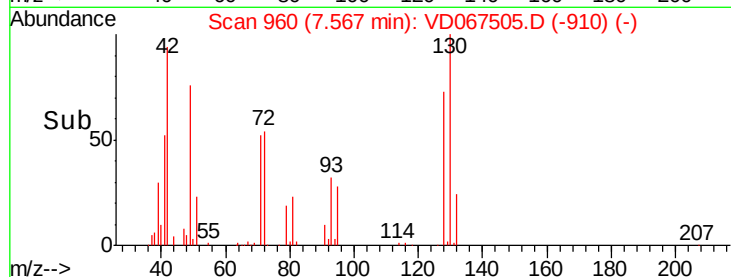
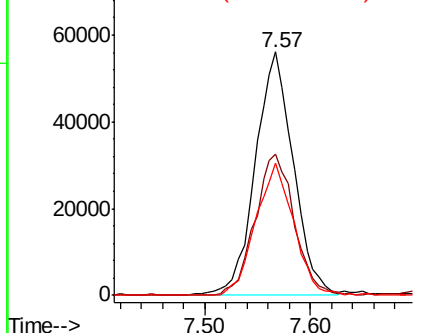
#29
Tetrahydrofuran
Concen: 488.390 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 139820
Ion Ratio Lower Upper
42 100
72 60.1 46.3 69.5
71 54.2 44.0 66.0

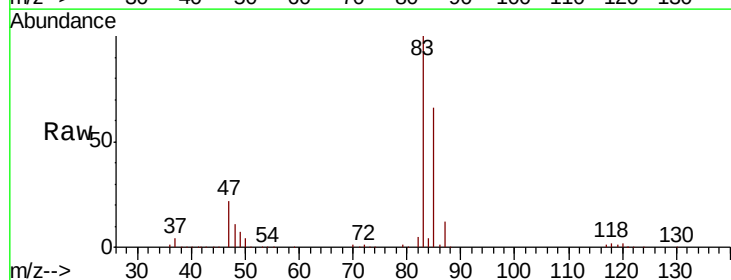


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

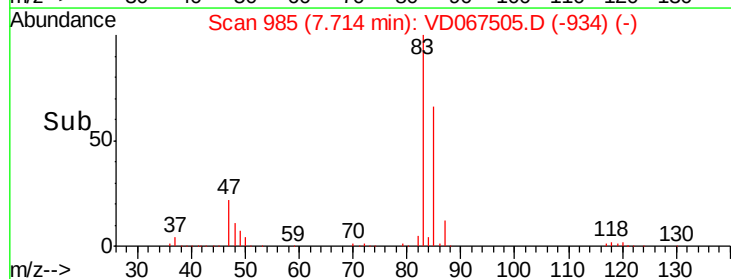
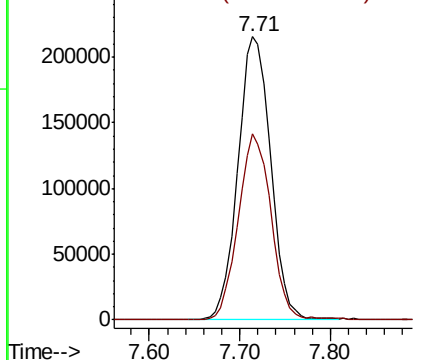


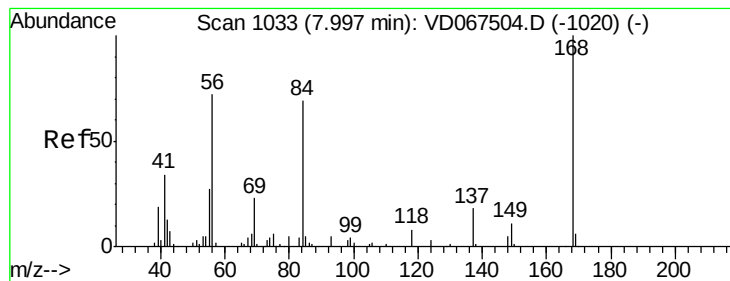
#30
Chloroform
Concen: 93.350 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 83 Resp: 542147
Ion Ratio Lower Upper
83 100
85 65.7 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 86.347 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

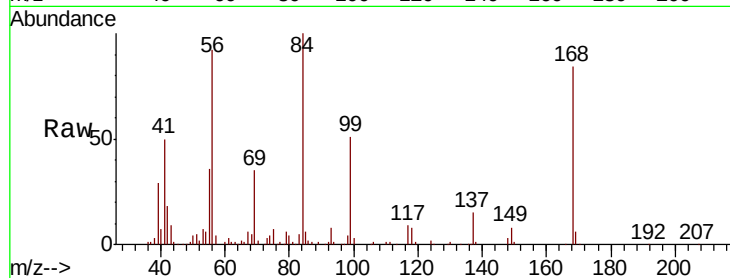
Tot Ion: 56 Resp: 374327

Ion Ratio Lower Upper

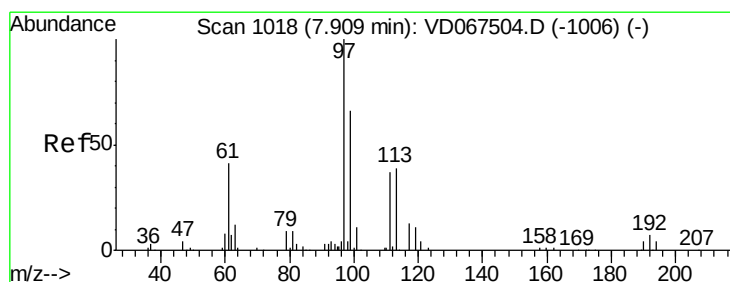
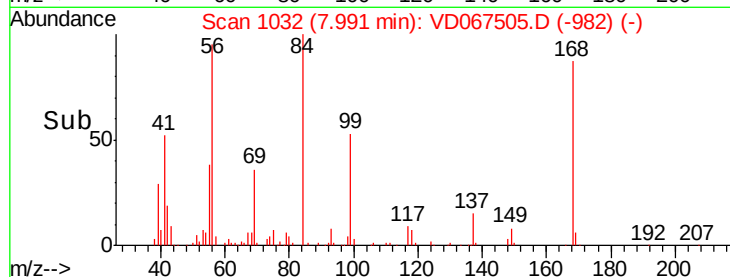
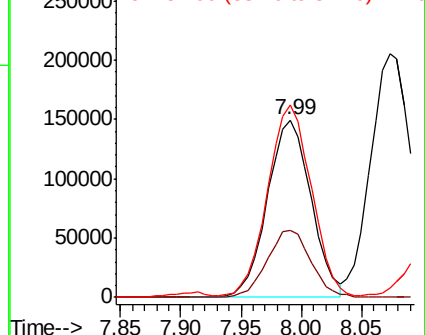
56 100

69 38.0 25.9 38.9

84 105.9 76.2 114.4



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 92.058 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

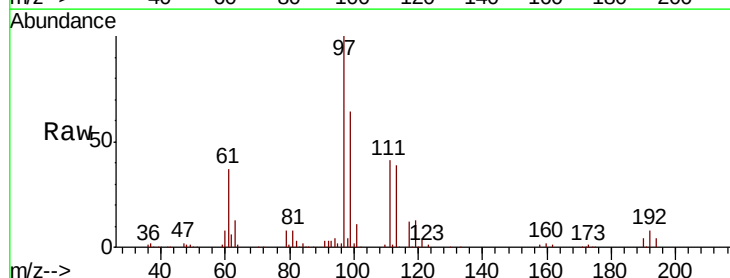
Tgt Ion: 97 Resp: 551635

Ion Ratio Lower Upper

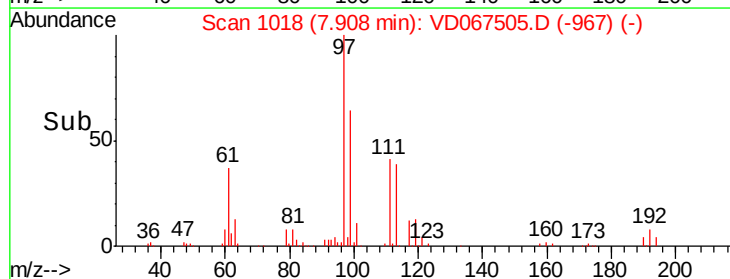
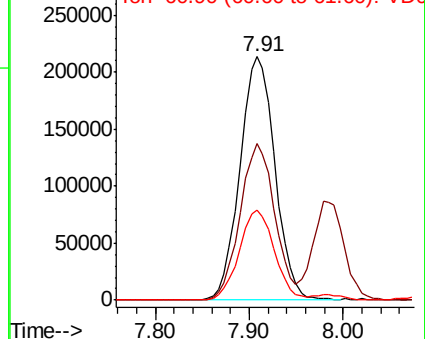
97 100

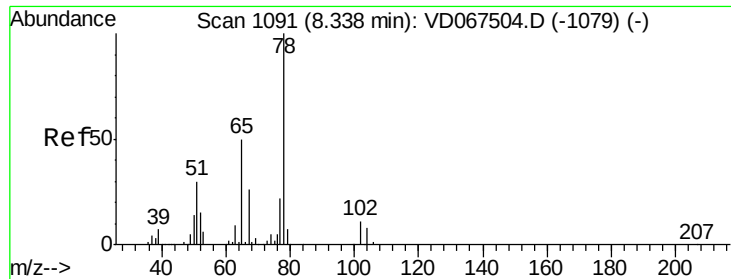
99 63.9 51.8 77.6

61 37.2 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

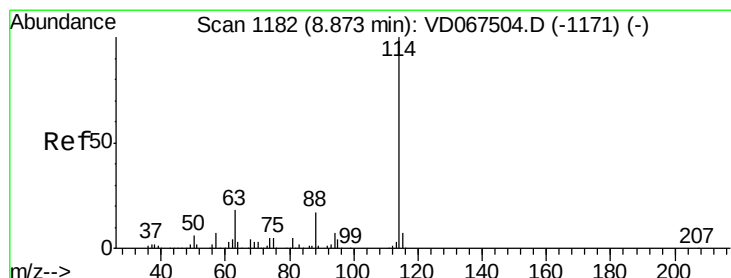
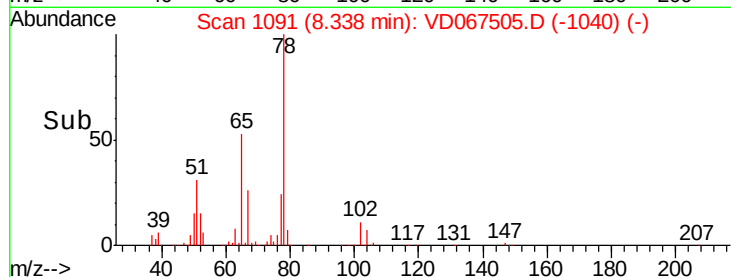
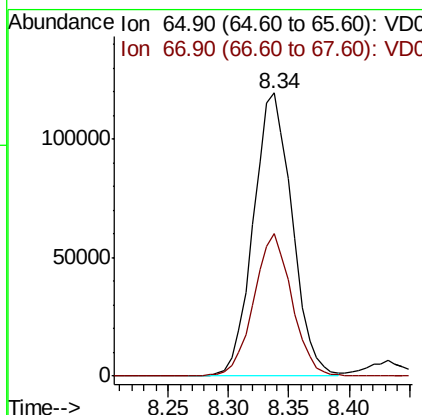
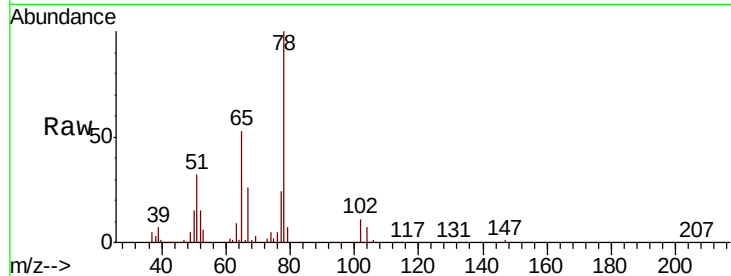




#33
 1,2-Dichloroethane-d4
 Concen: 89.451 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

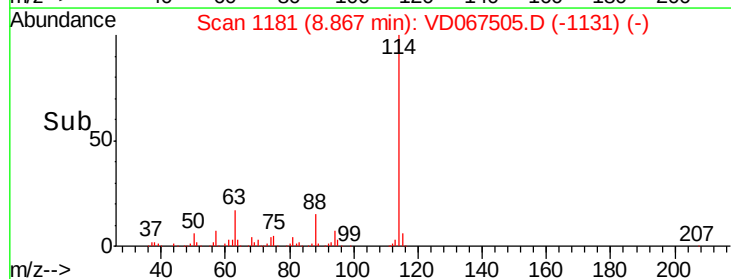
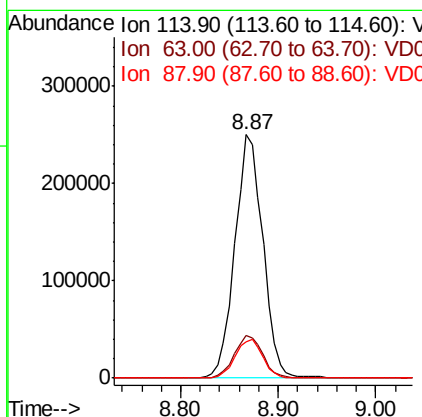
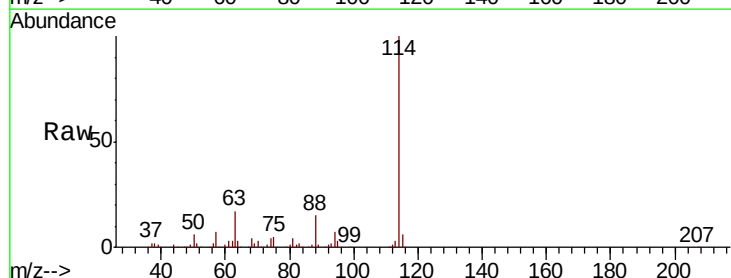
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

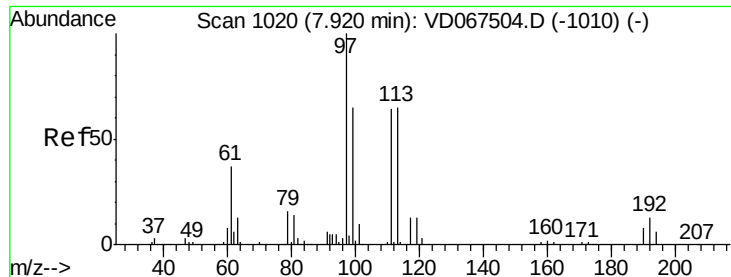
Tot Ion: 65 Resp: 267369
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion: 114 Resp: 500694
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.0
 88 15.1 0.0 33.0

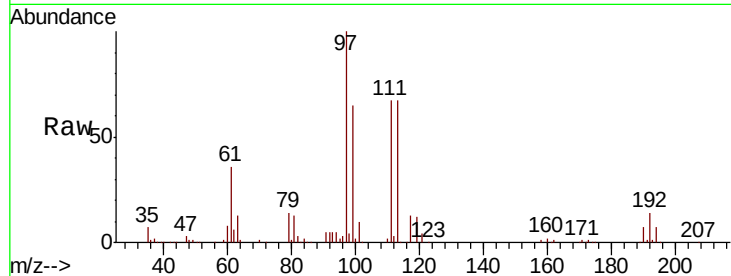




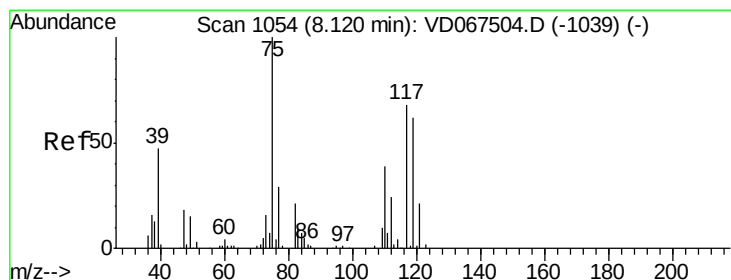
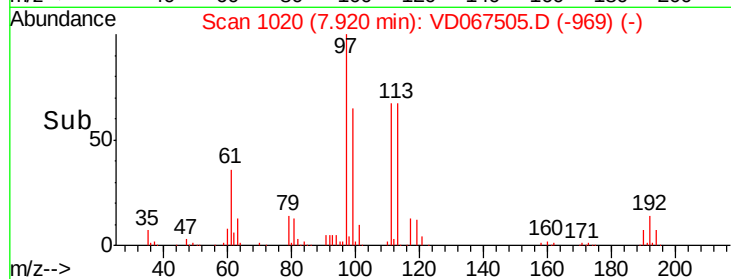
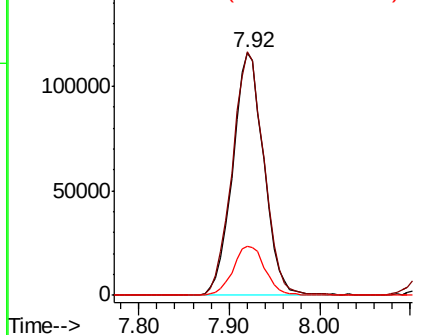
#35
 Dibromofluoromethane
 Concen: 91.737 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:113 Resp: 276740
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.0 120.0
 192 20.7 16.3 24.5

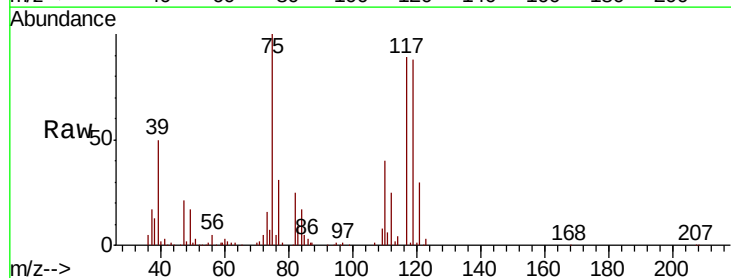


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

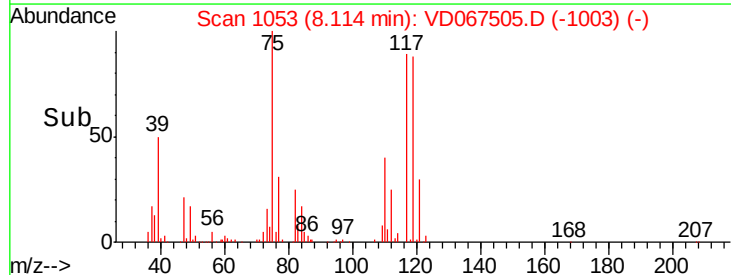
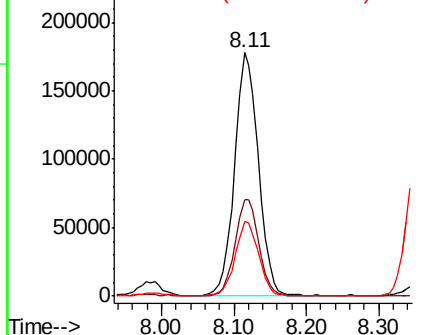


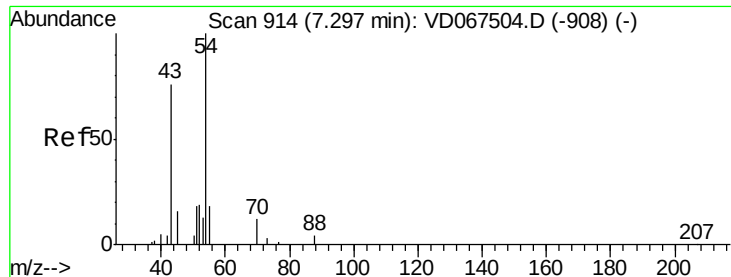
#36
 1,1-Dichloropropene
 Concen: 94.720 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion: 75 Resp: 405955
 Ion Ratio Lower Upper
 75 100
 110 39.7 19.9 59.7
 77 30.5 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

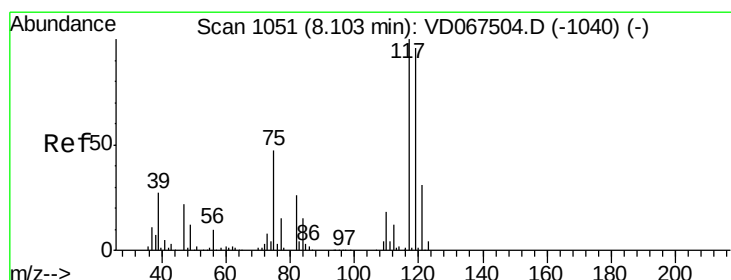
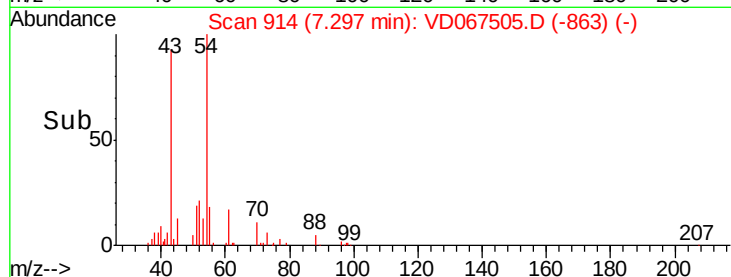
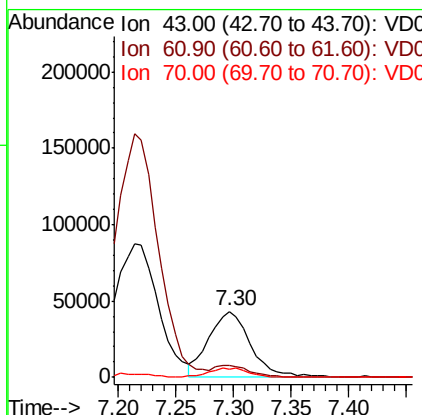
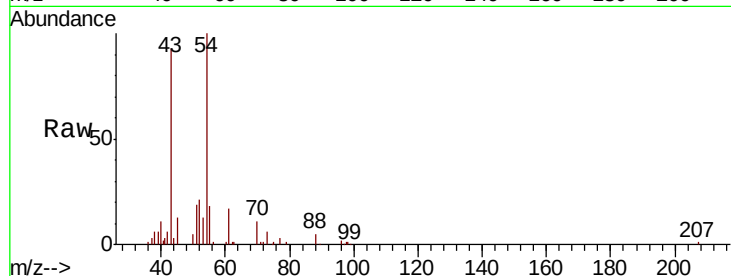




#37
Ethyl Acetate
Concen: 96.437 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

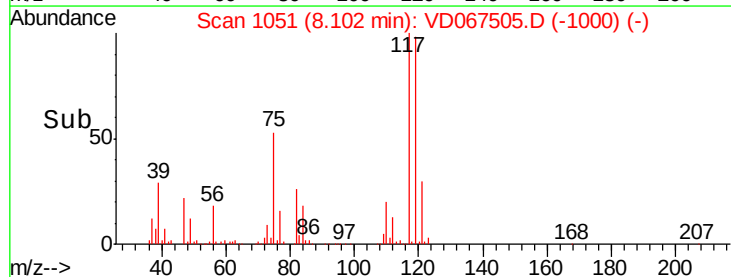
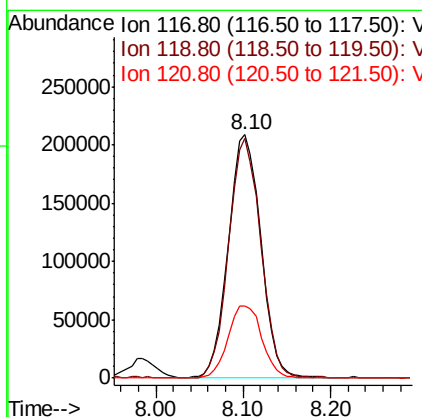
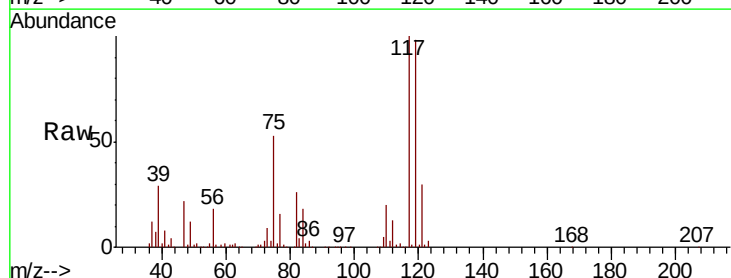
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

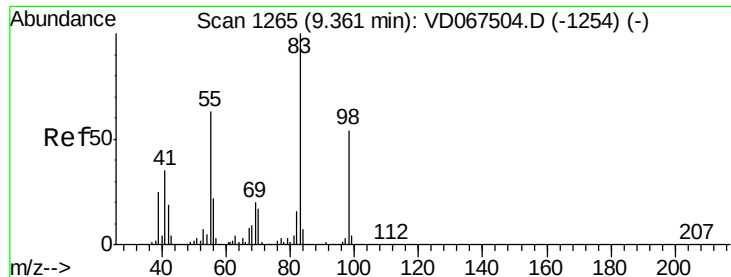
Tot Ion: 43 Resp: 107302
Ion Ratio Lower Upper
43 100
61 15.3 12.8 19.2
70 13.6 11.7 17.5



#38
Carbon Tetrachloride
Concen: 94.131 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 117 Resp: 524168
Ion Ratio Lower Upper
117 100
119 98.6 76.9 115.3
121 29.9 24.5 36.7

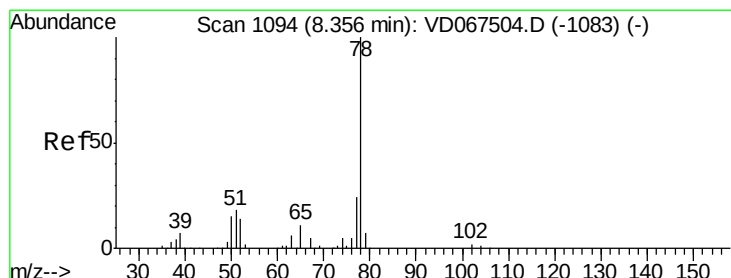
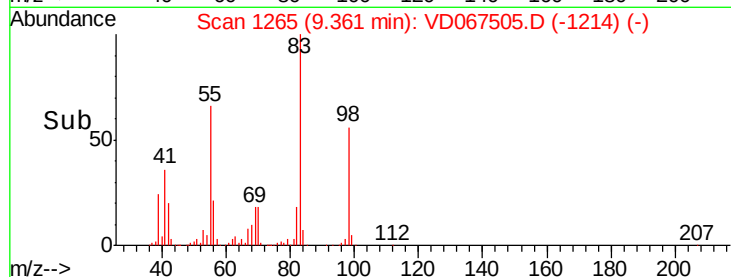
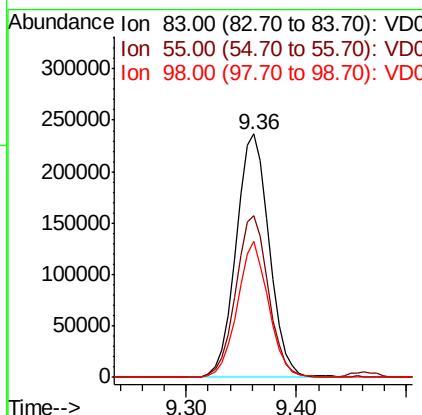
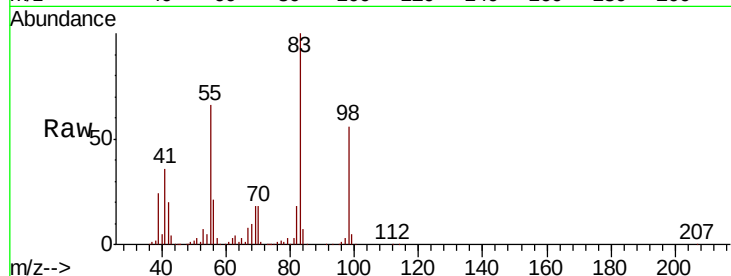




#39
Methylvlcyclohexane
Concen: 98.900 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

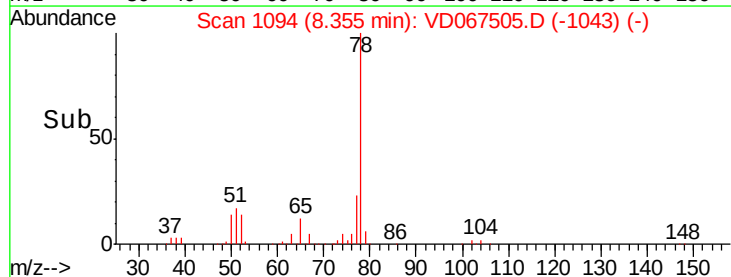
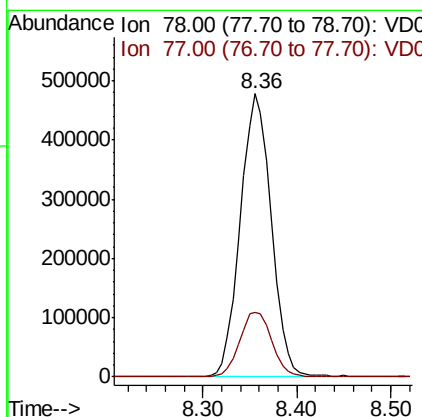
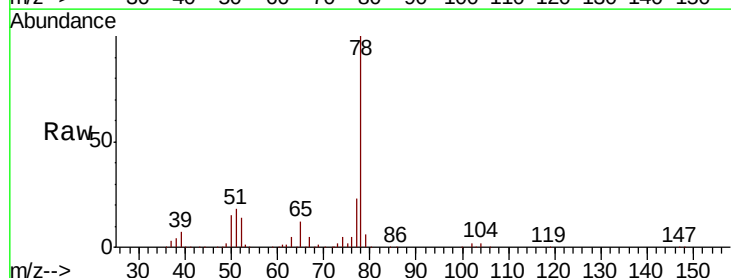
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

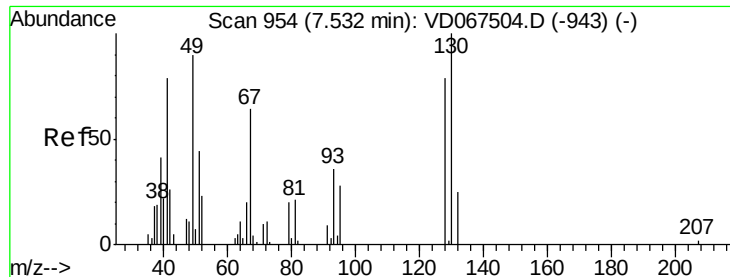
Tot Ion: 83 Resp: 498887
Ion Ratio Lower Upper
83 100
55 66.3 50.5 75.7
98 55.7 43.4 65.0



#40
Benzene
Concen: 94.143 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 78 Resp: 1092947
Ion Ratio Lower Upper
78 100
77 22.7 19.1 28.7





#41

Methacrylonitrile

Concen: 268.978 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 150542

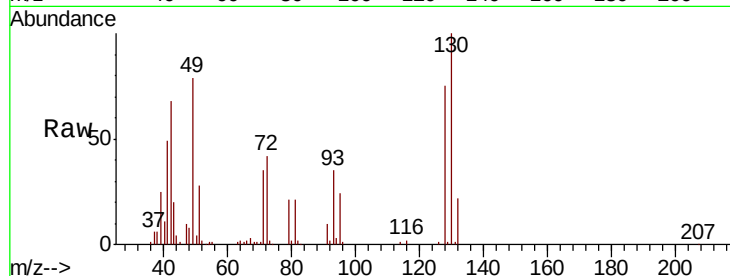
Ion Ratio Lower Upper

41 100

39 56.1 51.3 76.9

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#

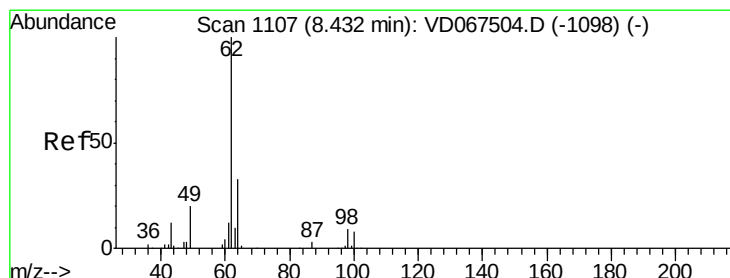
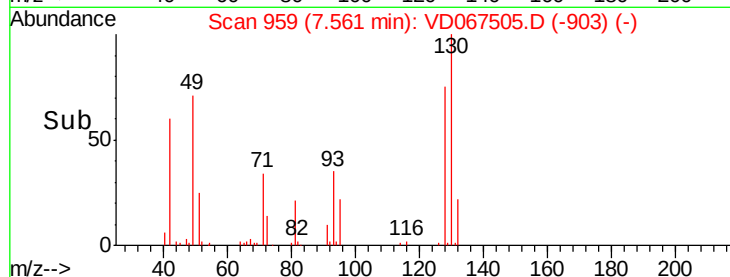
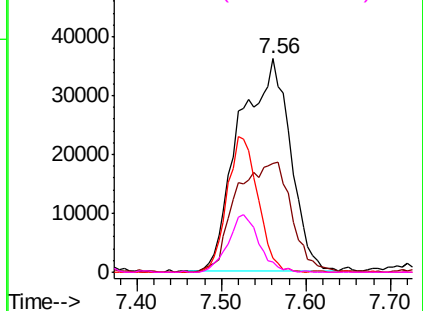


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 94.526 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067505.D

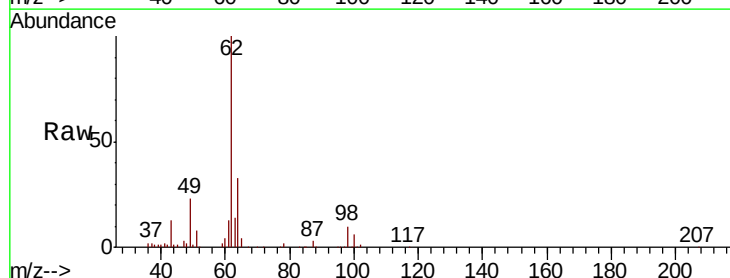
Acq: 03 Nov 2020 12:03

Tgt Ion: 62 Resp: 339056

Ion Ratio Lower Upper

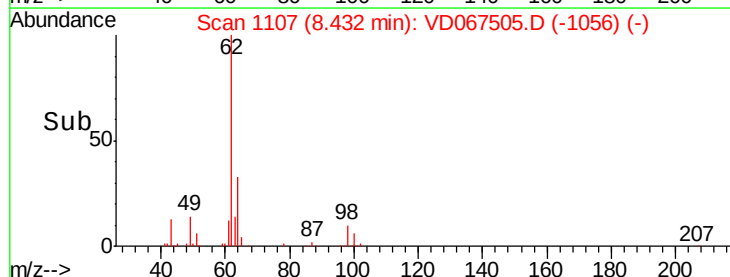
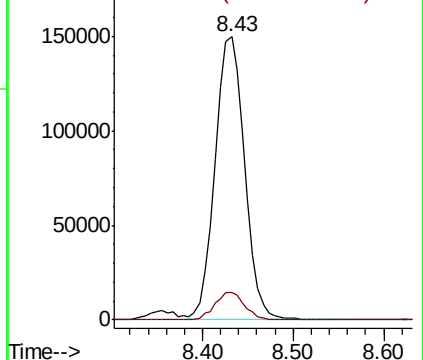
62 100

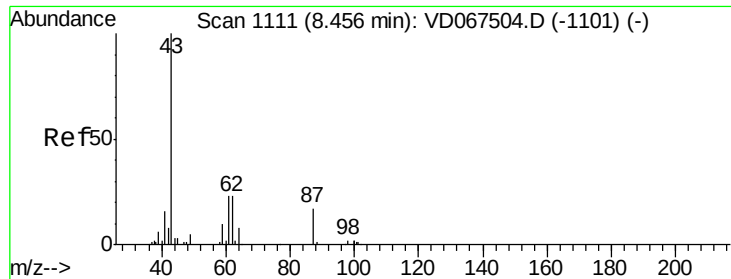
98 9.7 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 97.163 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

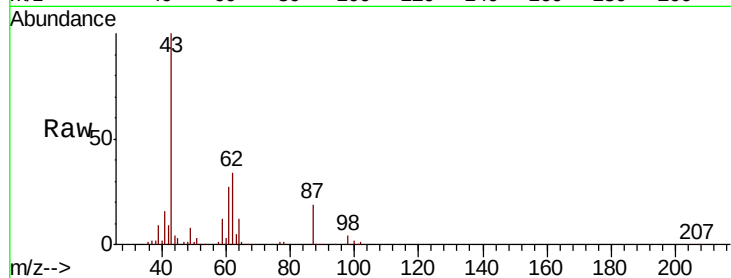
Tot Ion: 43 Resp: 213812

Ion Ratio Lower Upper

43 100

61 38.7 30.5 45.7

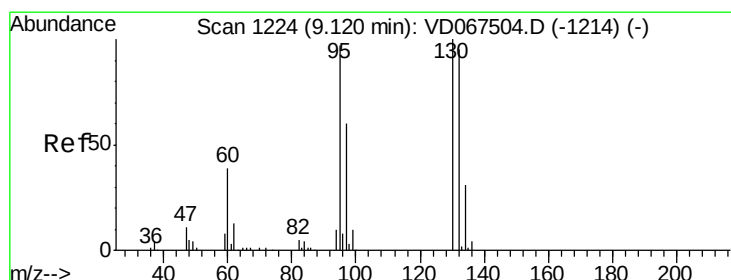
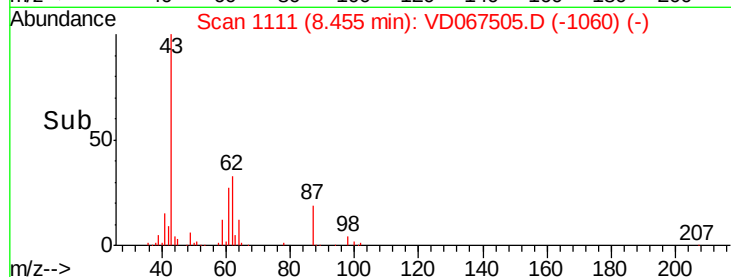
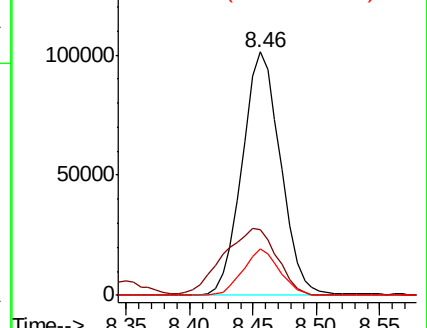
87 18.2 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 93.413 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD067505.D

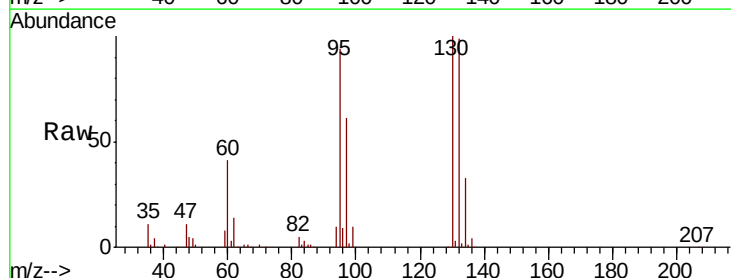
Acq: 03 Nov 2020 12:03

Tgt Ion:130 Resp: 356579

Ion Ratio Lower Upper

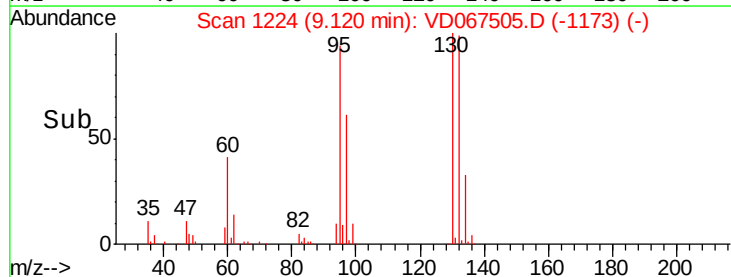
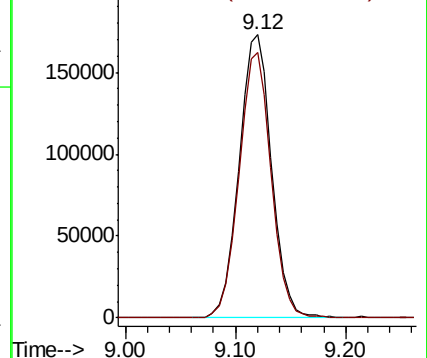
130 100

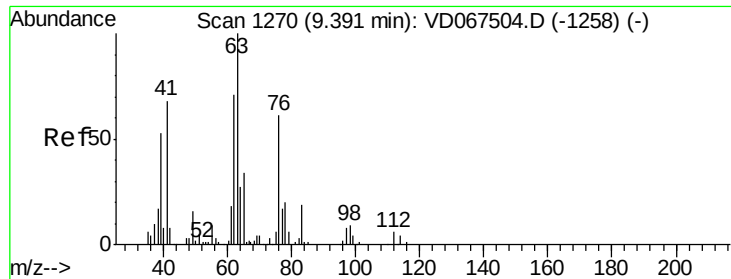
95 93.6 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

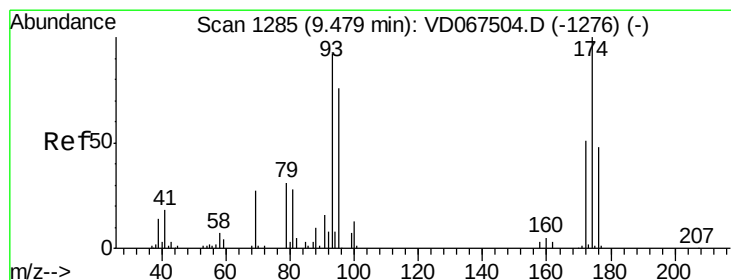
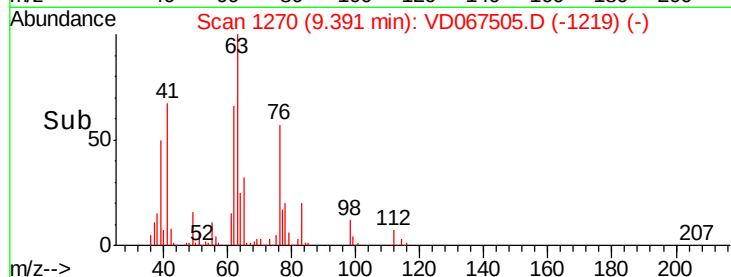
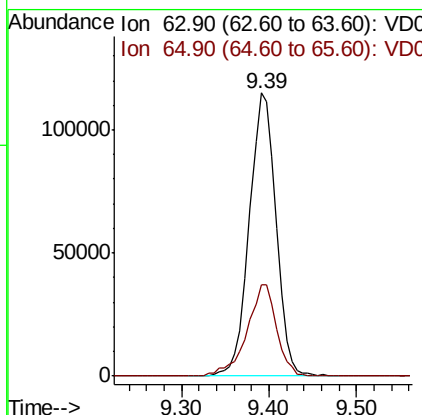
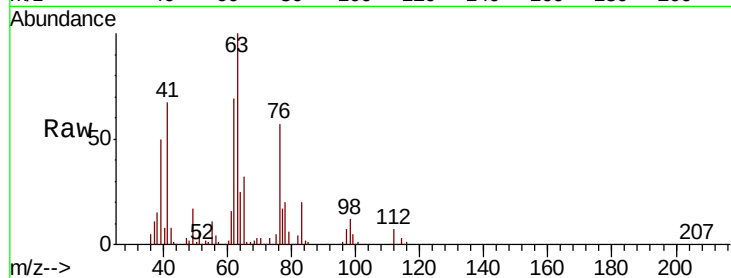




#45
 1,2-Dichloropropane
 Concen: 95.173 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

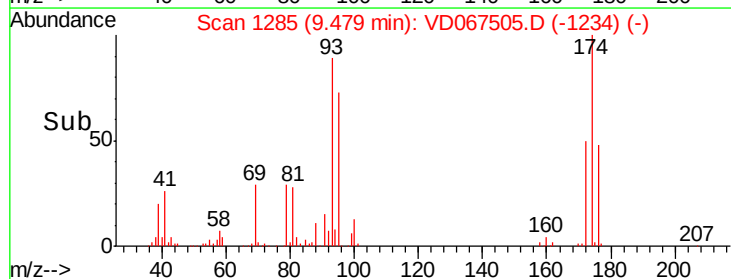
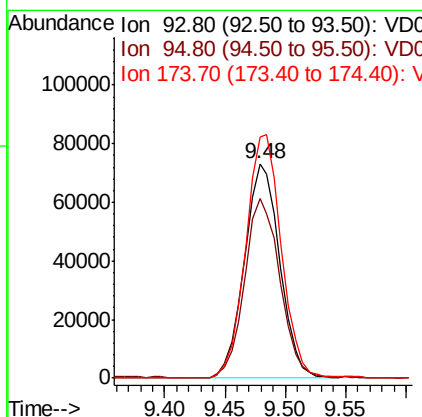
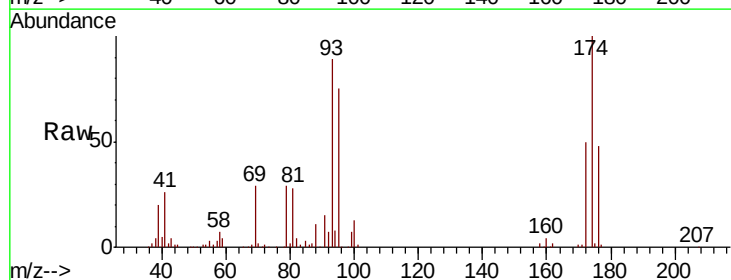
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

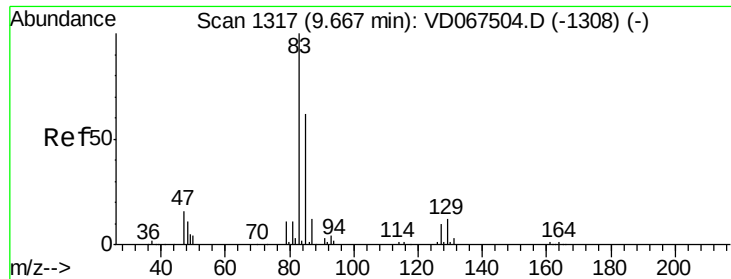
Tot Ion: 63 Resp: 238887
 Ion Ratio Lower Upper
 63 100
 65 32.5 26.9 40.3



#46
 Dibromomethane
 Concen: 93.609 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion: 93 Resp: 149394
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.4 99.6
 174 114.4 88.2 132.4

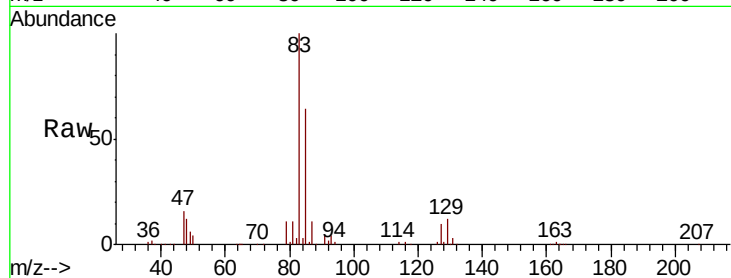




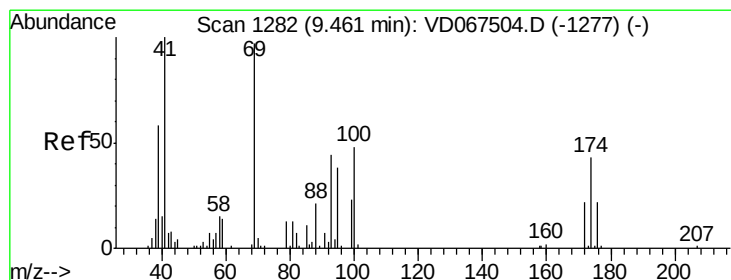
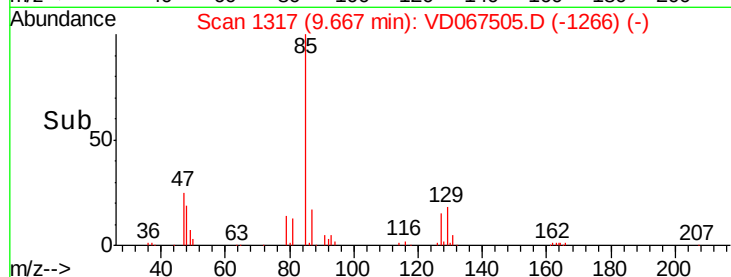
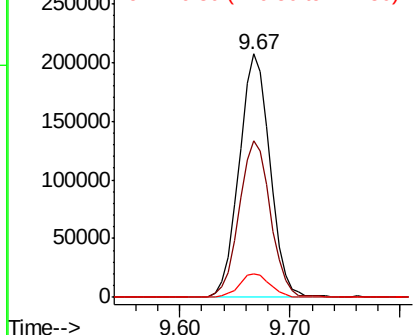
#47
Bromodichloromethane
Concen: 94.040 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 407926
Ion Ratio Lower Upper
83 100
85 64.5 49.4 74.2
127 9.8 7.7 11.5

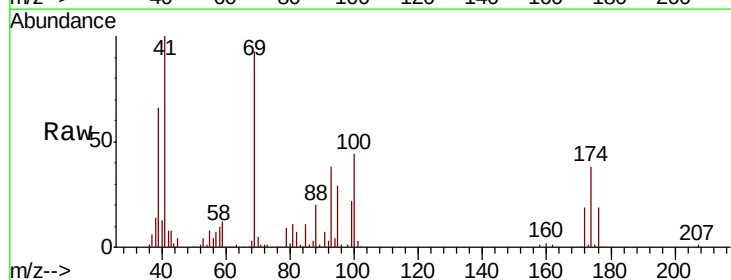


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

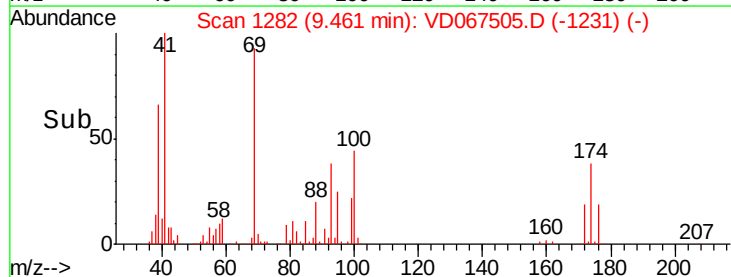
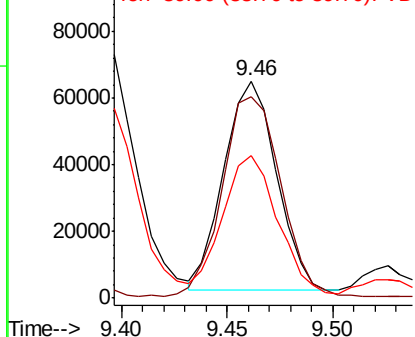


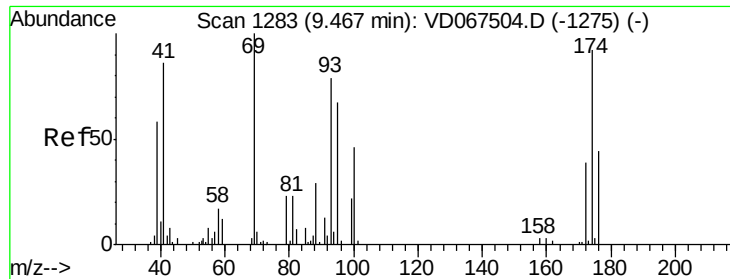
#48
Methyl methacrylate
Concen: 95.421 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 41 Resp: 108417
Ion Ratio Lower Upper
41 100
69 107.7 80.6 121.0
39 69.2 50.2 75.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1862.906 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

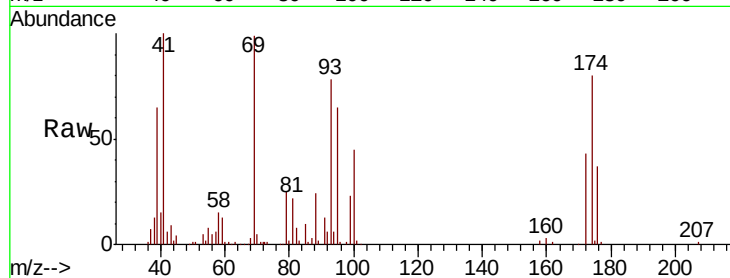
Tot Ion: 88 Resp: 30182

Ion Ratio Lower Upper

88 100

43 31.9 23.6 35.4

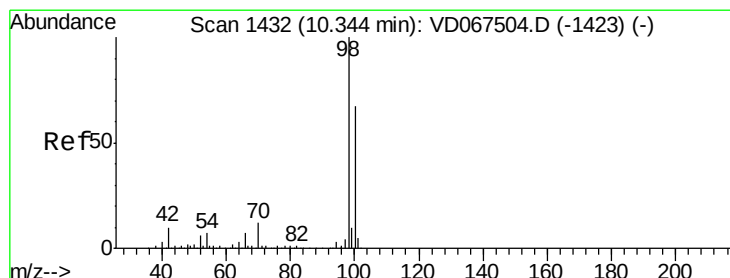
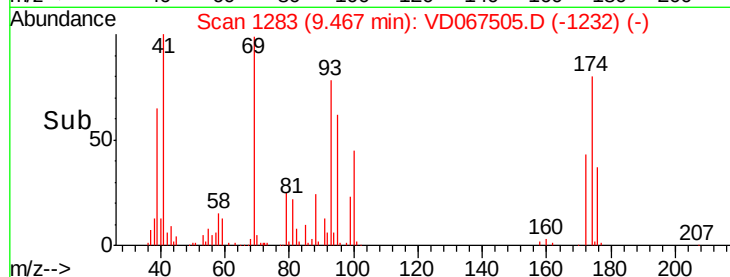
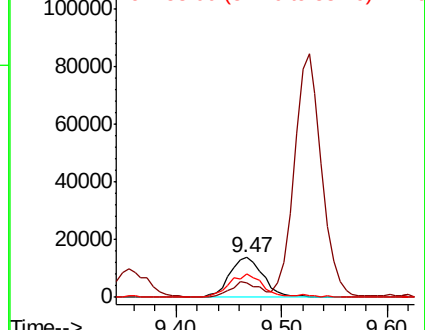
58 58.7 44.7 67.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 91.692 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067505.D

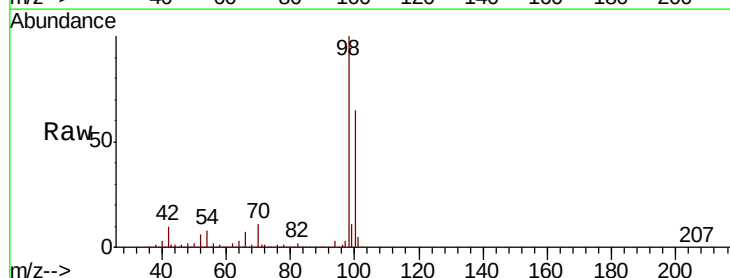
Acq: 03 Nov 2020 12:03

Tgt Ion: 98 Resp: 972055

Ion Ratio Lower Upper

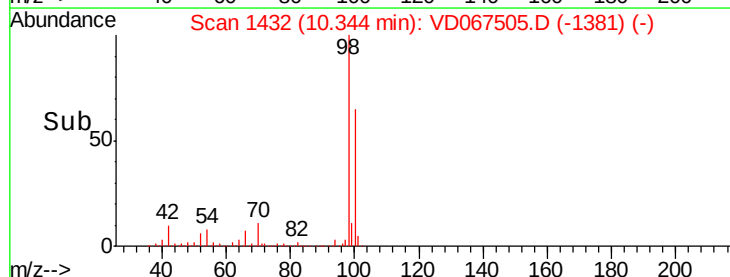
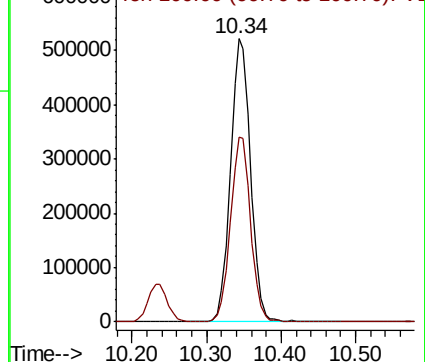
98 100

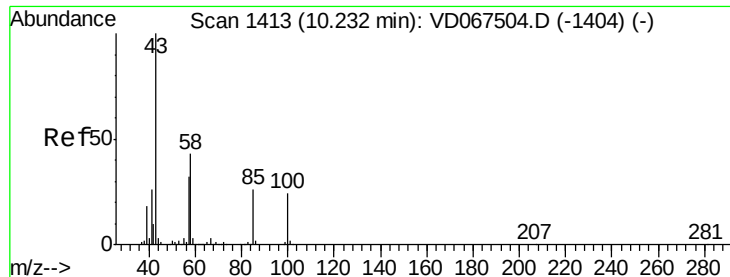
100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

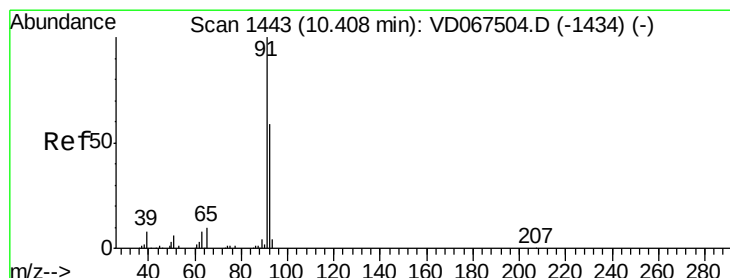
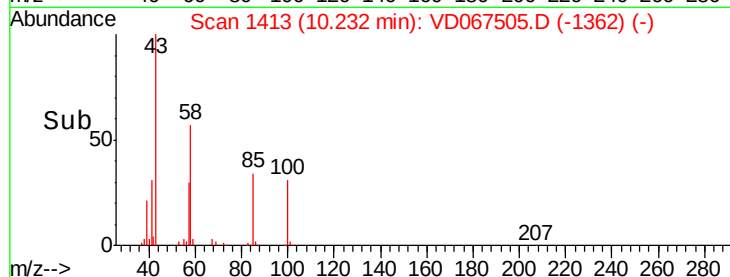
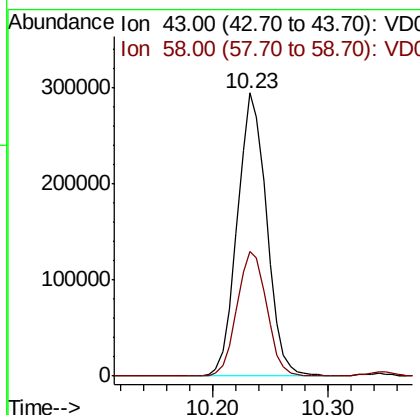
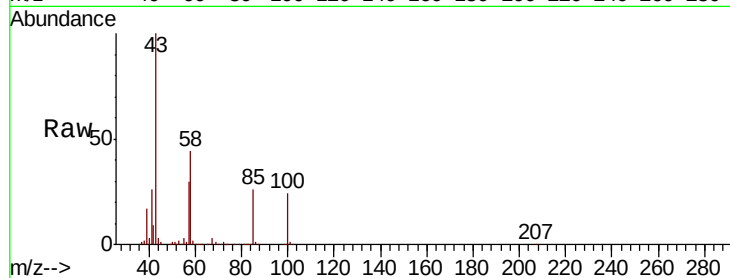




#51
4-Methyl-2-Pentanone
Concen: 493.205 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

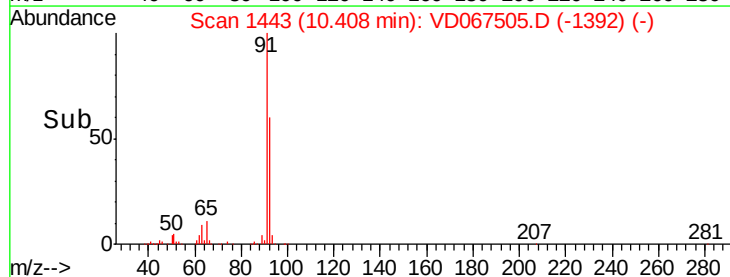
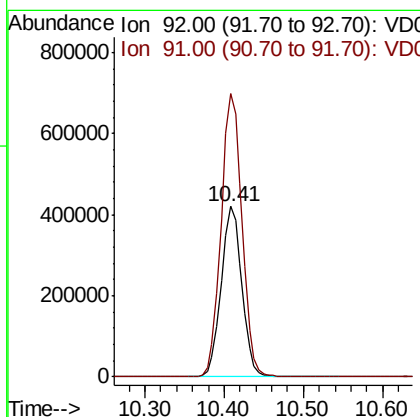
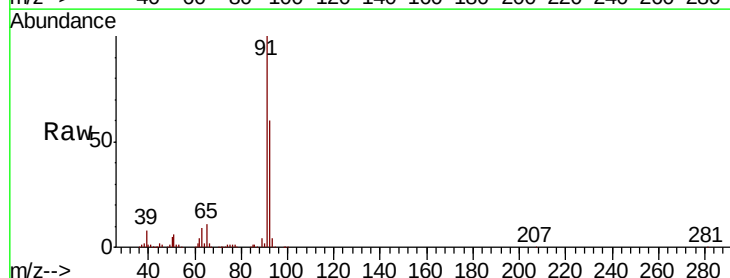
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

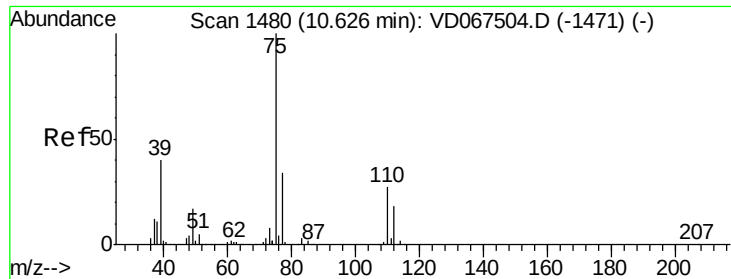
Tot Ion: 43 Resp: 519060
Ion Ratio Lower Upper
43 100
58 44.6 35.6 53.4



#52
Toluene
Concen: 97.613 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 92 Resp: 759031
Ion Ratio Lower Upper
92 100
91 168.1 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 99.386 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

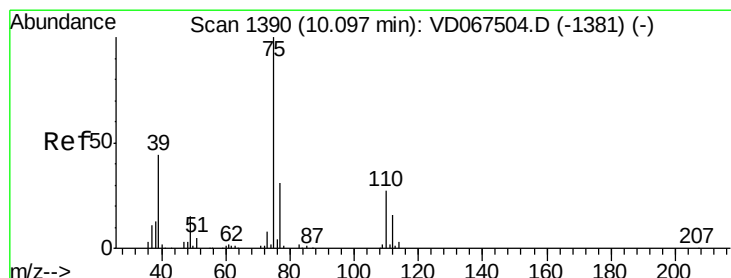
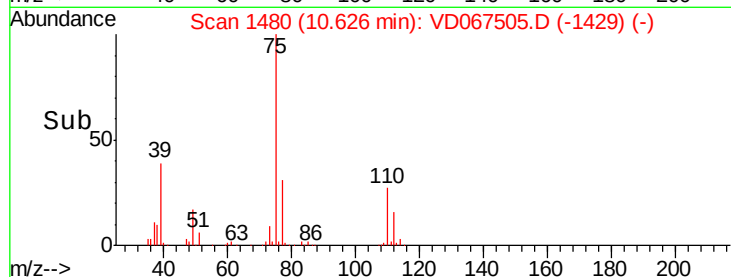
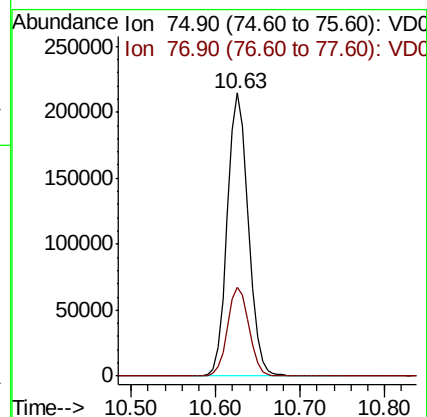
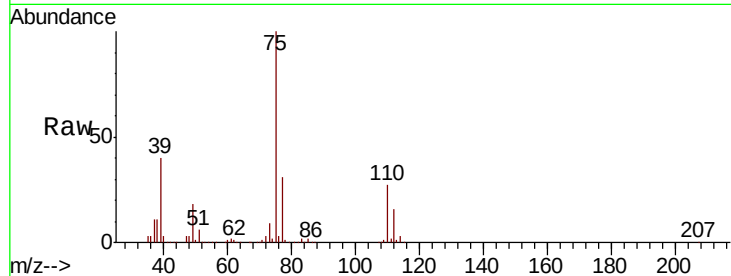
VSTDIC100

Tot Ion: 75 Resp: 369231

Ion Ratio Lower Upper

75 100

77 31.3 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 97.611 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

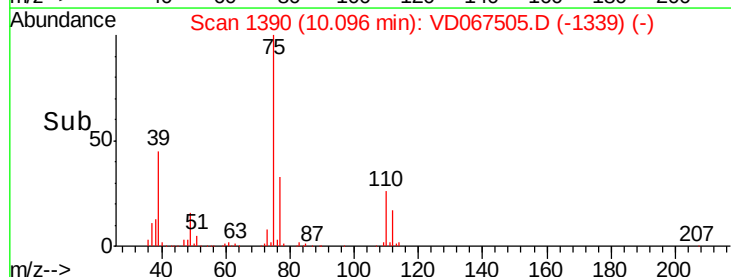
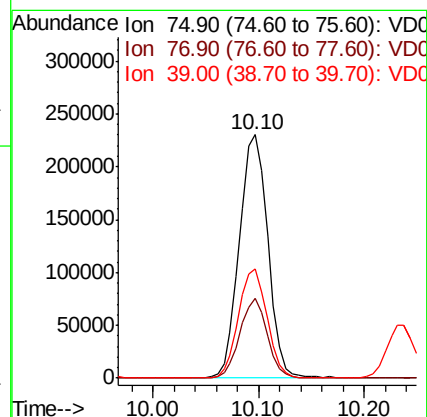
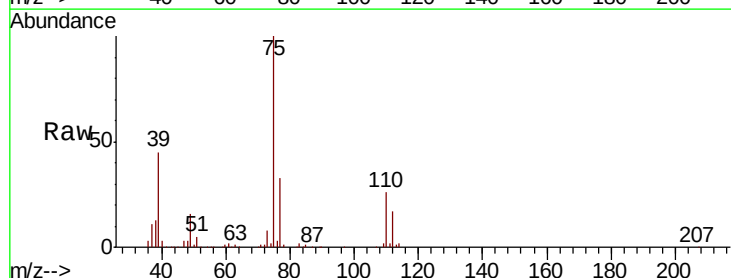
Tgt Ion: 75 Resp: 430854

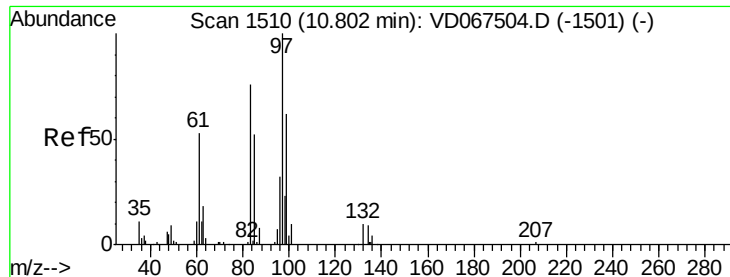
Ion Ratio Lower Upper

75 100

77 32.5 24.4 36.6

39 44.5 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 94.529 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 199610

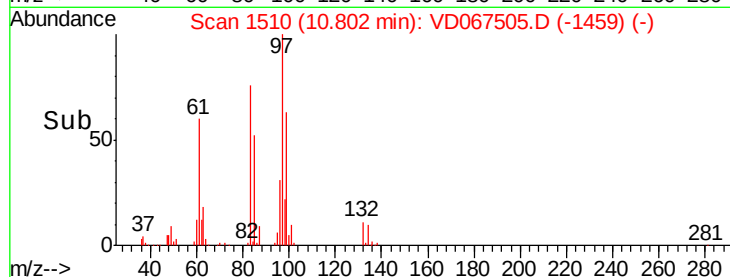
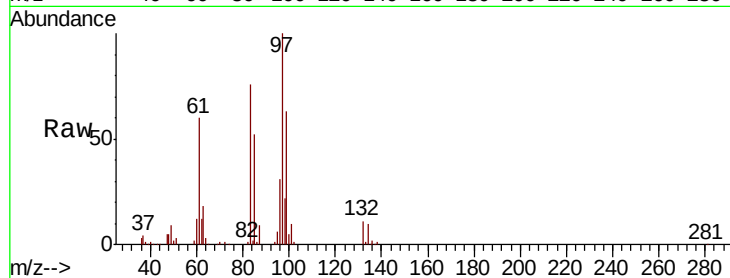
Ion	Ratio	Lower	Upper
97	100		
83	75.5	61.0	91.6
85	52.2	41.5	62.3
99	63.3	49.4	74.2

97 100

83 75.5 61.0 91.6

85 52.2 41.5 62.3

99 63.3 49.4 74.2



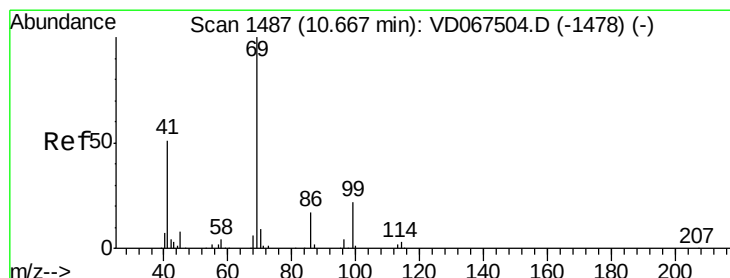
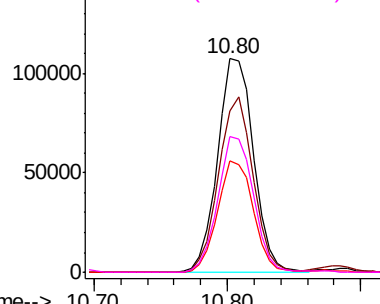
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 102.642 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

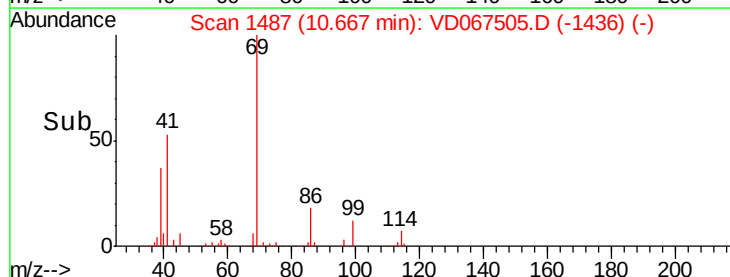
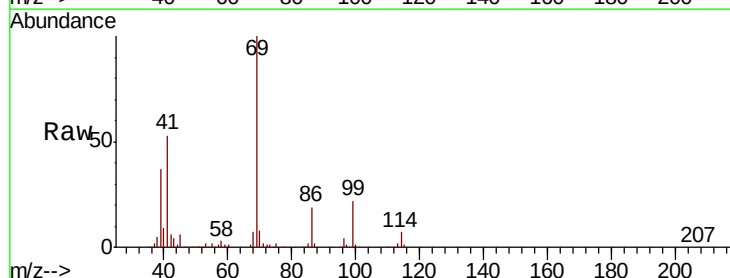
Tgt Ion: 69 Resp: 223822

Ion	Ratio	Lower	Upper
69	100		
41	52.7	45.4	68.0
39	35.2	27.4	41.0

69 100

41 52.7 45.4 68.0

39 35.2 27.4 41.0

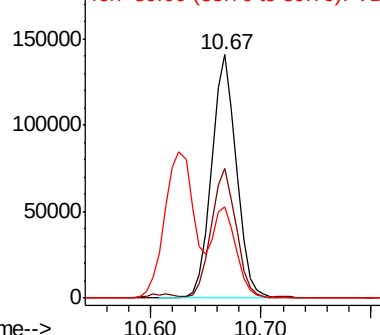


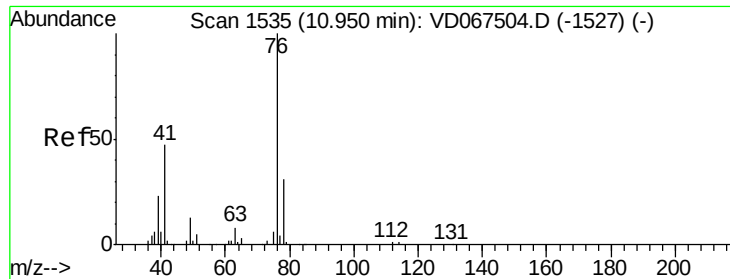
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 96.316 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

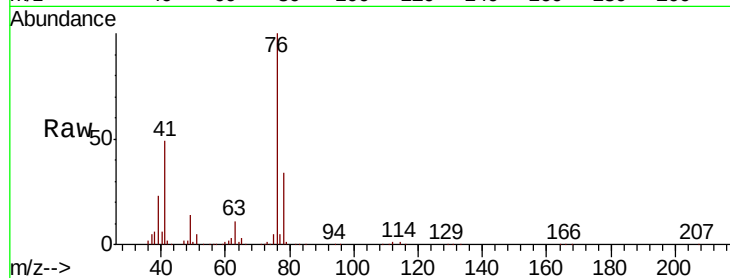
VSTDIC100

Tot Ion: 76 Resp: 327282

Ion Ratio Lower Upper

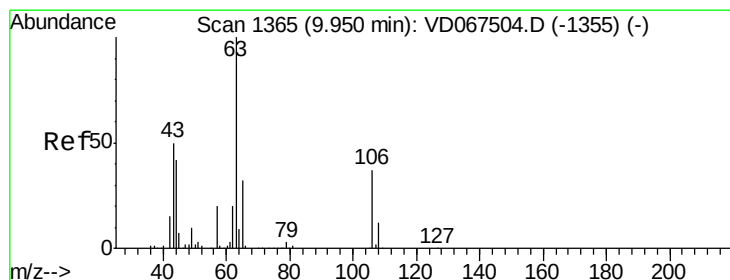
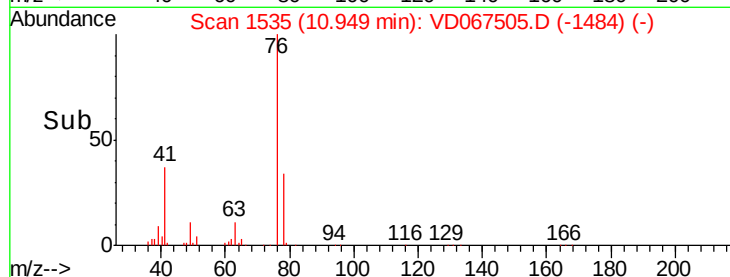
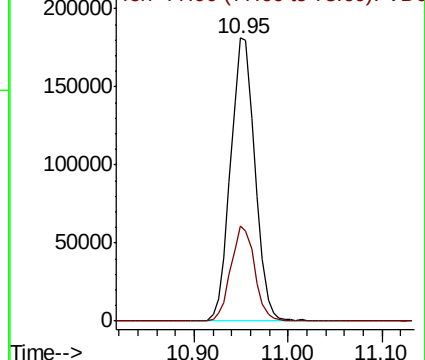
76 100

78 32.8 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 511.067 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067505.D

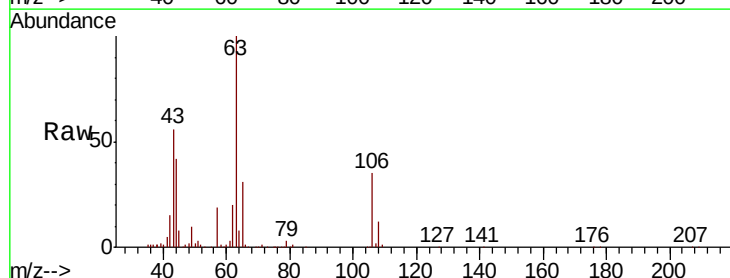
Acq: 03 Nov 2020 12:03

Tgt Ion: 63 Resp: 519696

Ion Ratio Lower Upper

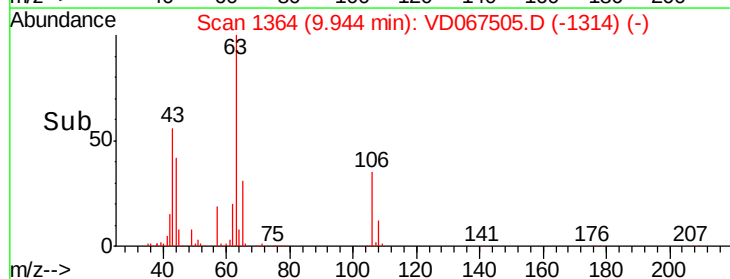
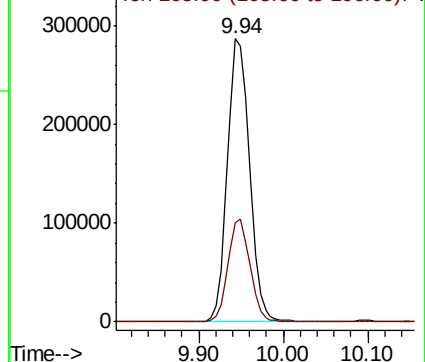
63 100

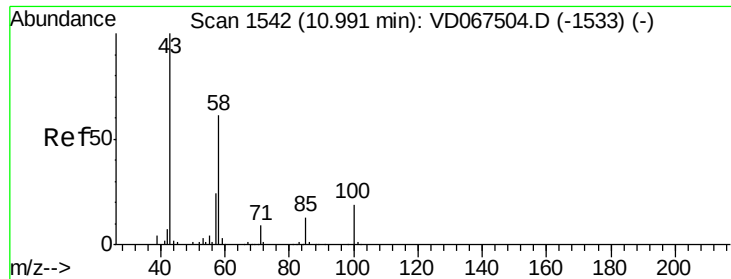
106 35.8 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

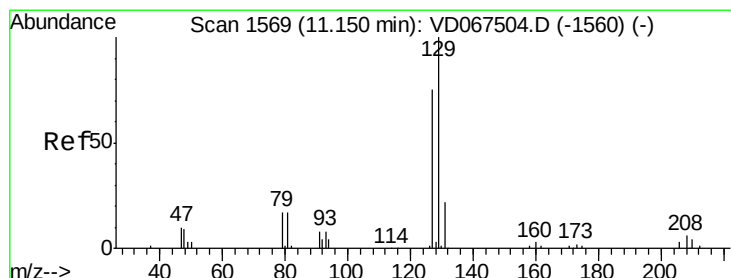
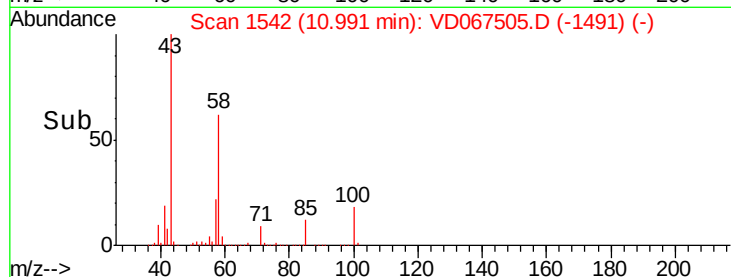
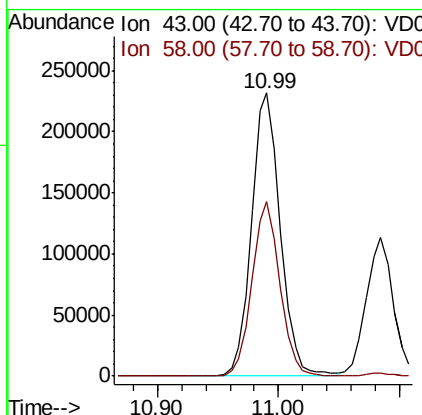
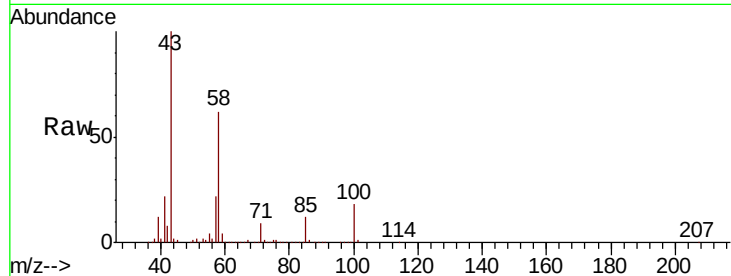




#59
2-Hexanone
Concen: 521.329 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

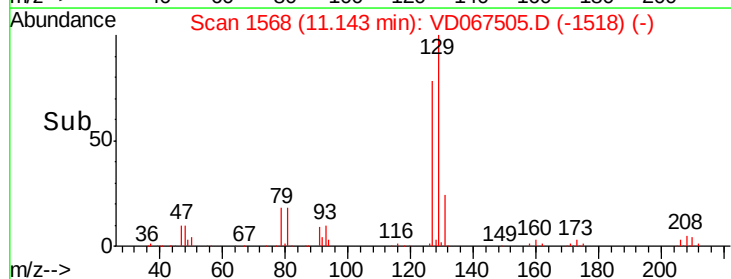
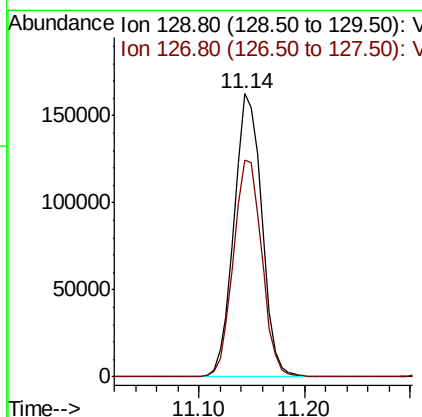
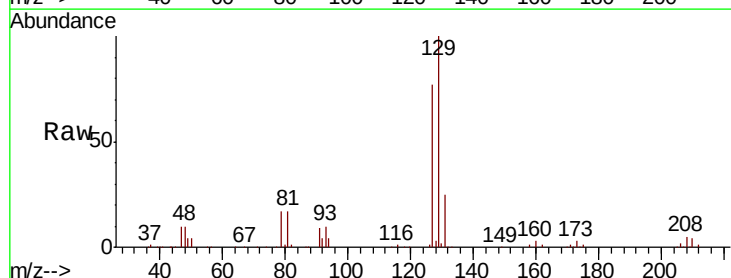
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

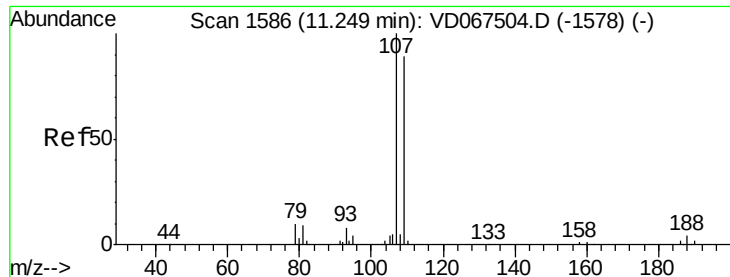
Tot Ion: 43 Resp: 383622
Ion Ratio Lower Upper
43 100
58 59.9 30.3 90.9



#60
Dibromochloromethane
Concen: 94.493 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 129 Resp: 295166
Ion Ratio Lower Upper
129 100
127 78.4 38.0 114.1

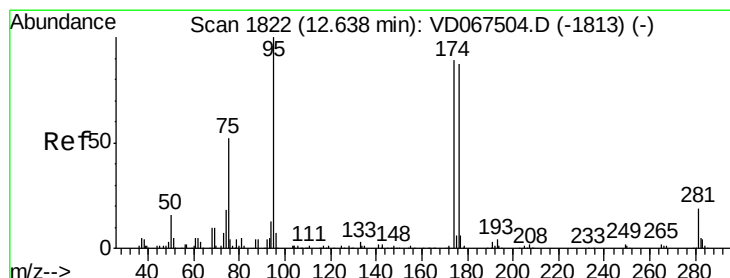
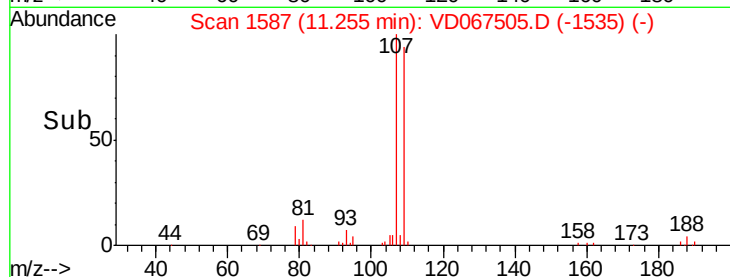
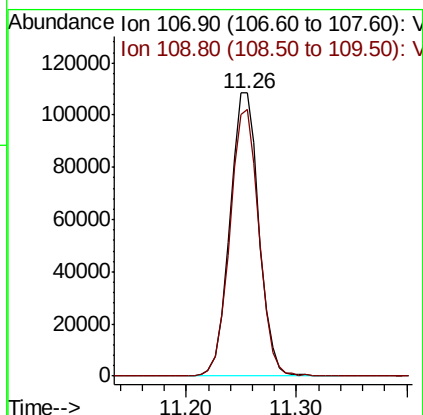
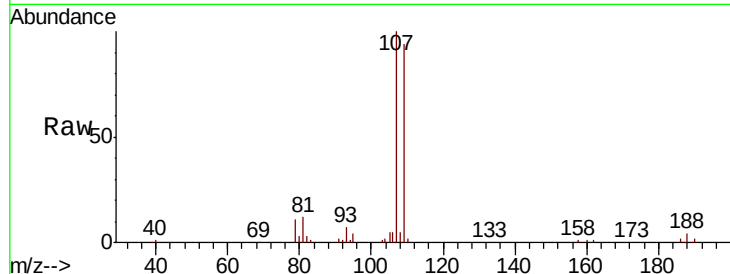




#61
 1,2-Dibromoethane
 Concen: 94.396 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

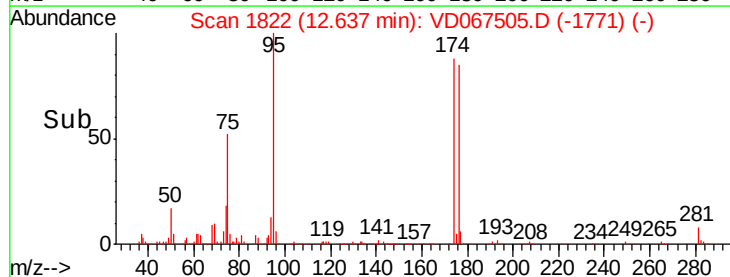
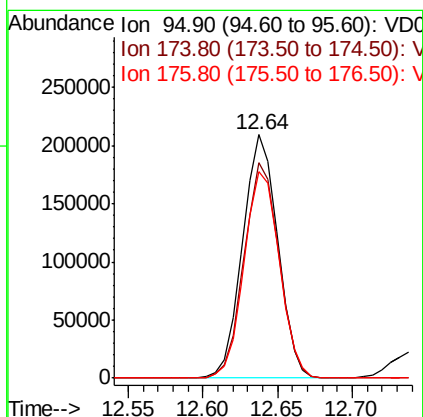
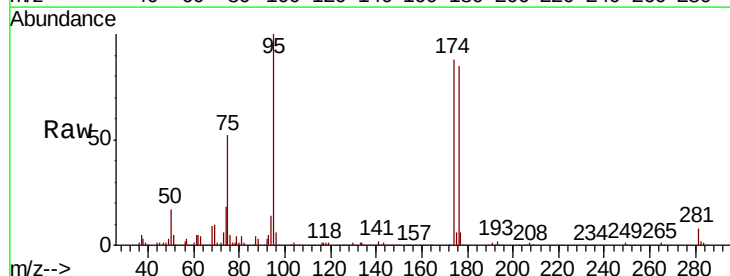
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

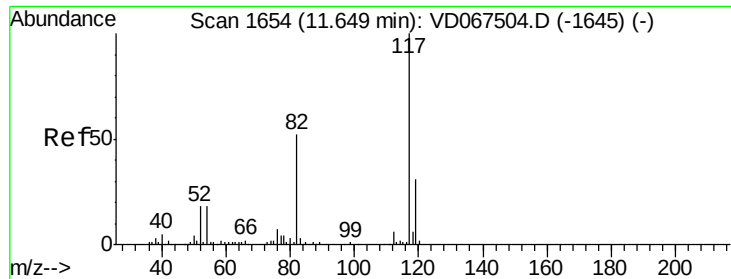
Tot Ion:107 Resp: 200054
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 93.219 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion: 95 Resp: 341185
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 177.8
 176 85.5 0.0 172.0

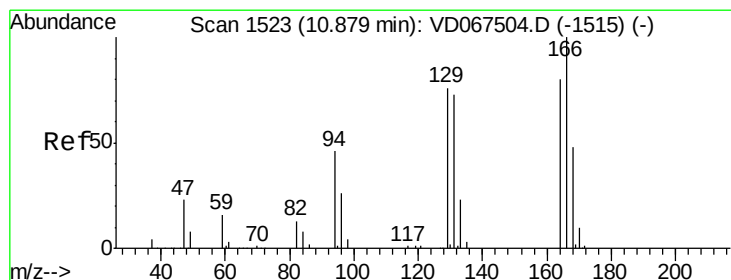
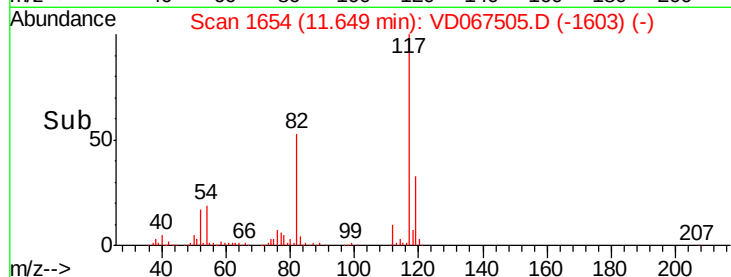
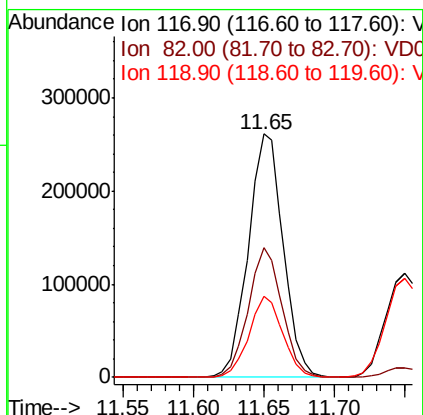
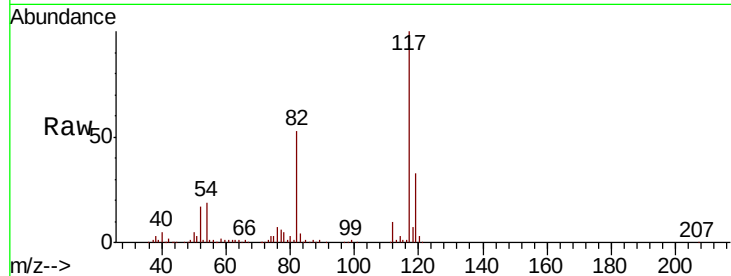




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

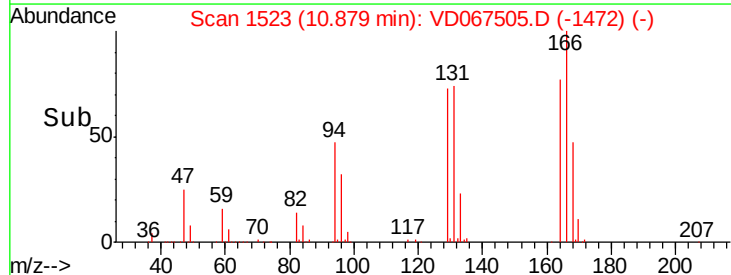
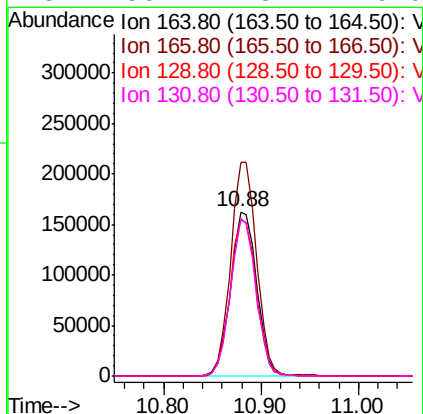
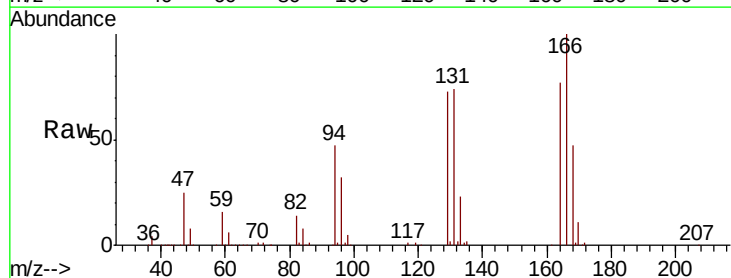
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

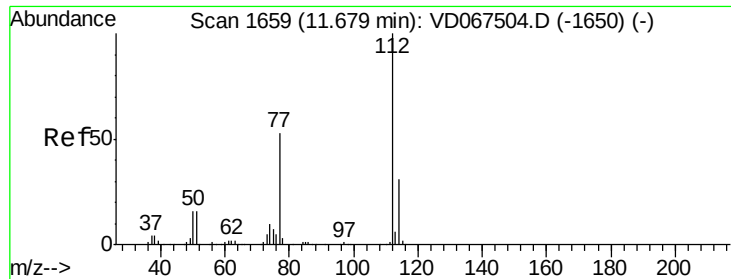
Tot Ion:117 Resp: 454101
Ion Ratio Lower Upper
117 100
82 53.5 41.6 62.4
119 33.1 25.1 37.7



#64
Tetrachloroethene
Concen: 89.559 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion:164 Resp: 301190
Ion Ratio Lower Upper
164 100
166 130.1 99.9 149.9
129 95.2 75.5 113.3
131 96.2 73.4 110.0

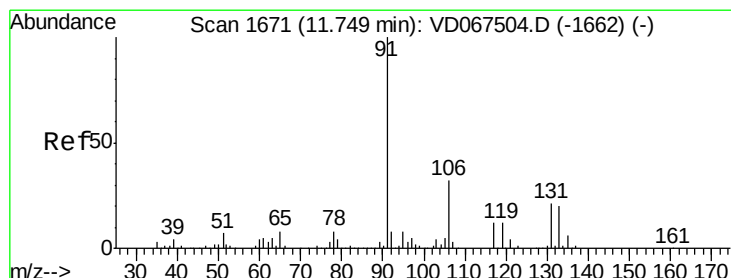
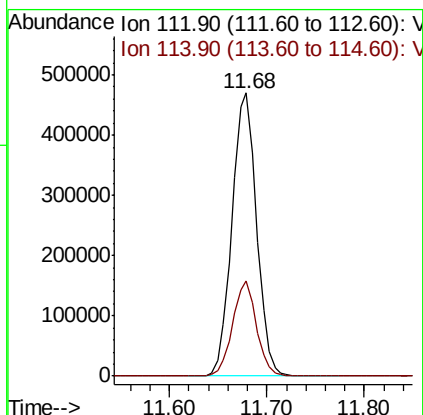
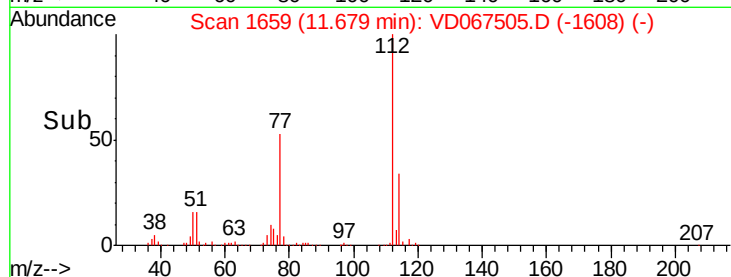
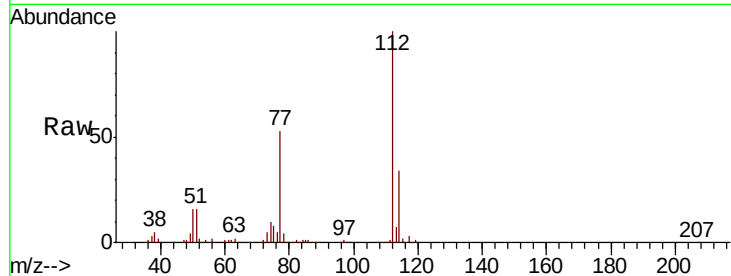




#65
Chlorobenzene
Concen: 93.674 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

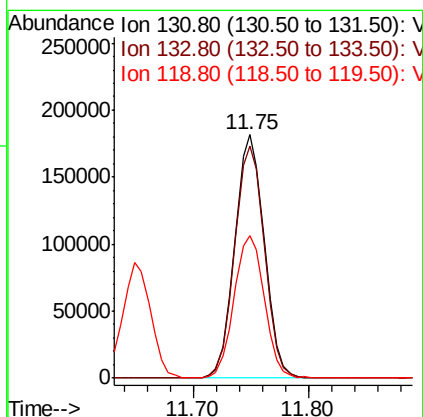
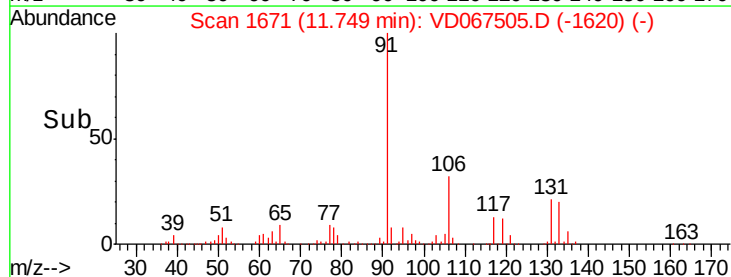
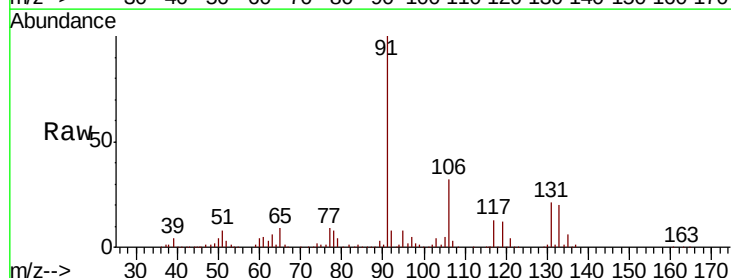
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

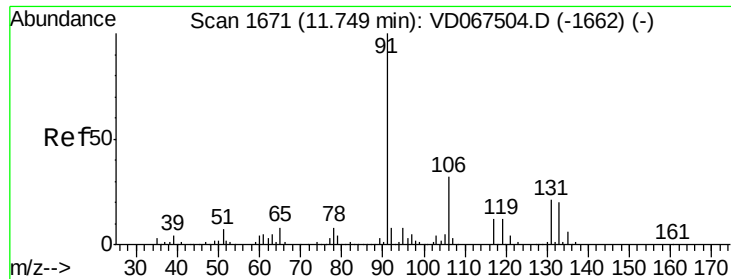
Tot Ion:112 Resp: 819386
Ion Ratio Lower Upper
112 100
114 33.5 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 93.014 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion:131 Resp: 320672
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 60.1 30.1 90.5

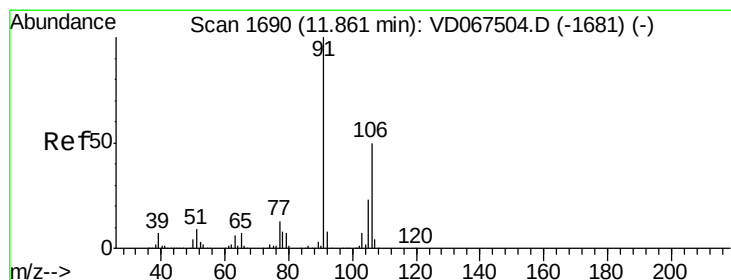
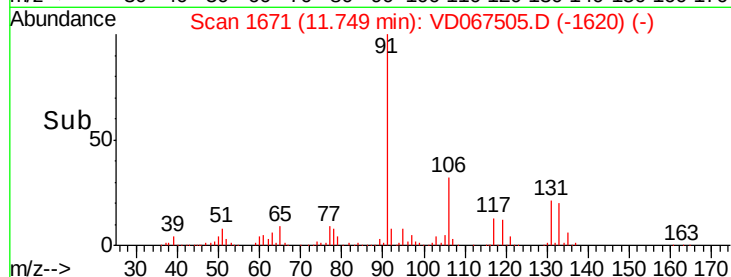
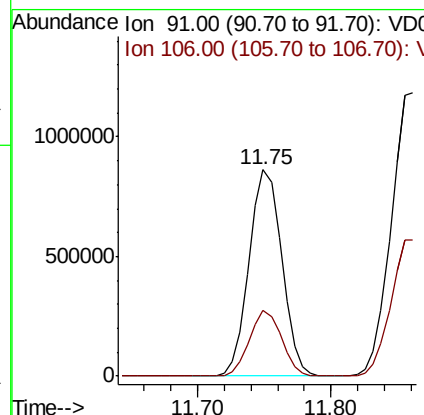
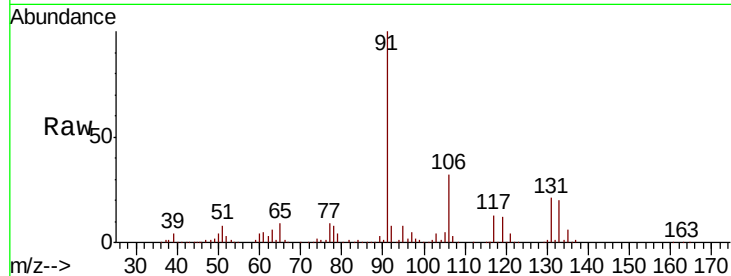




#67
Ethyl Benzene
Concen: 97.804 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

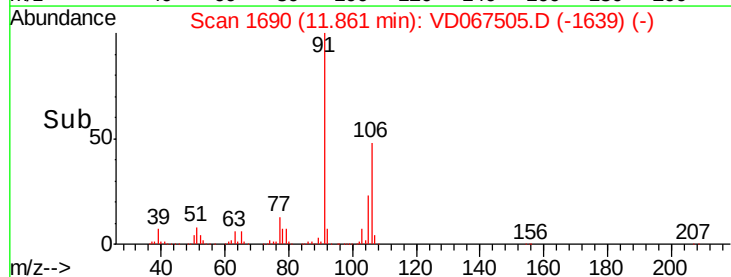
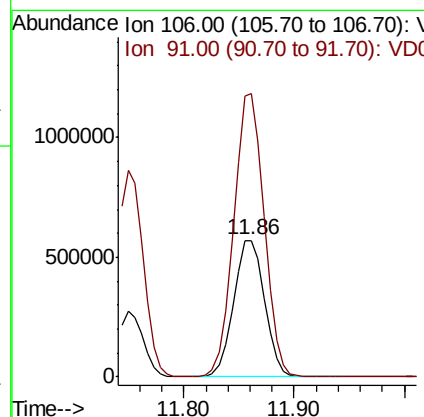
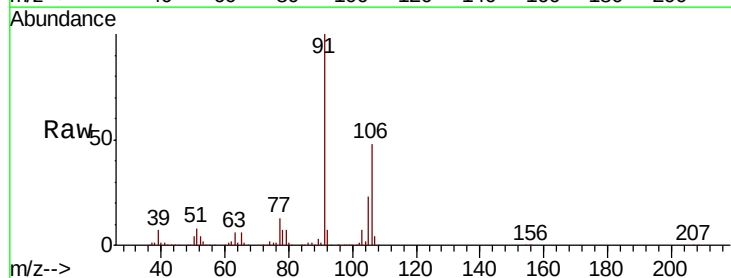
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

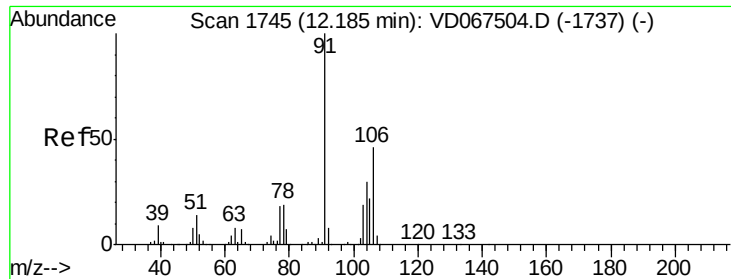
Tot Ion: 91 Resp: 1463947
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5



#68
m/p-Xylenes
Concen: 192.670 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 106 Resp: 1121978
Ion Ratio Lower Upper
106 100
91 203.3 162.6 244.0

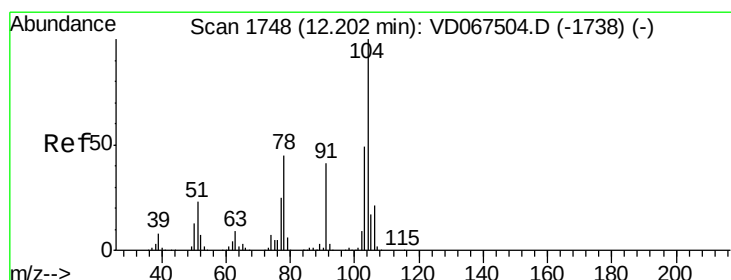
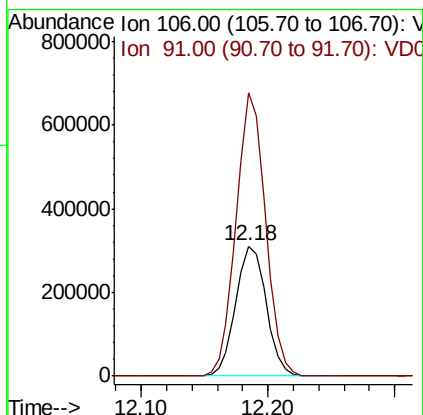
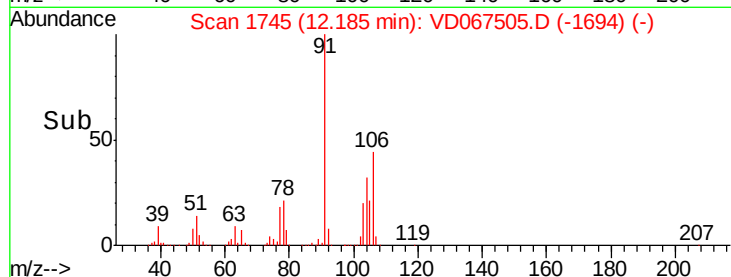
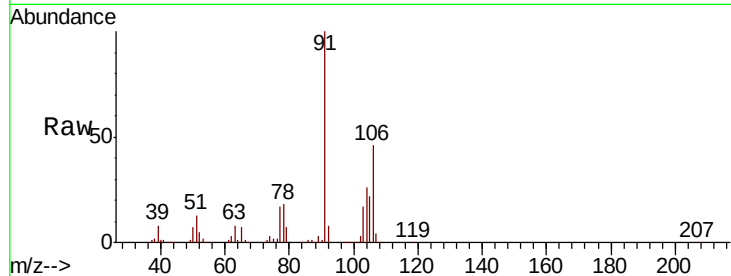




#69
o-Xylene
Concen: 99.597 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

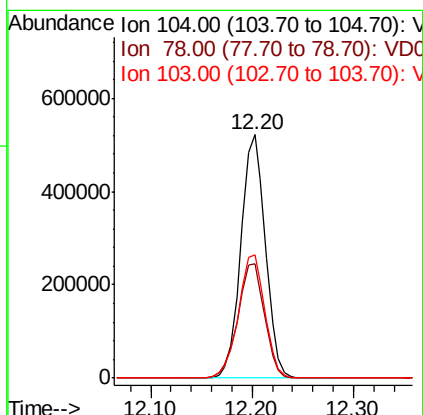
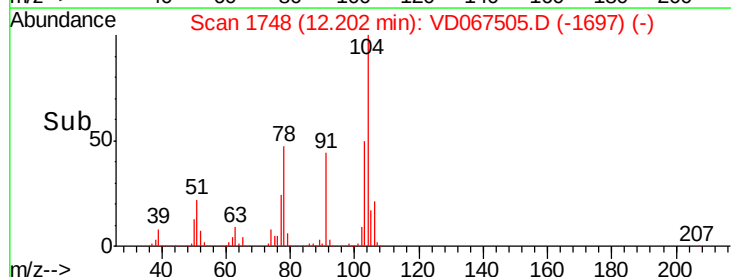
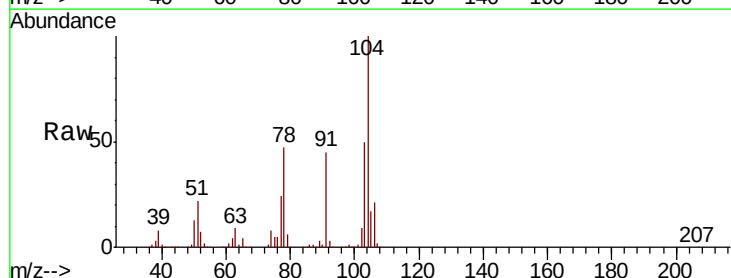
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

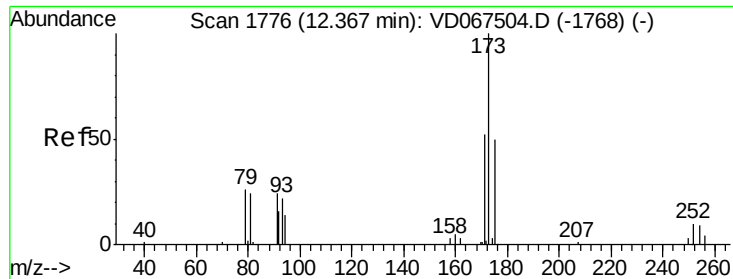
Tot Ion:106 Resp: 517822
Ion Ratio Lower Upper
106 100
91 210.6 107.1 321.1



#70
Styrene
Concen: 96.321 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion:104 Resp: 872639
Ion Ratio Lower Upper
104 100
78 51.5 39.8 59.8
103 54.6 43.9 65.9





#71

Bromoform

Concen: 93.735 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

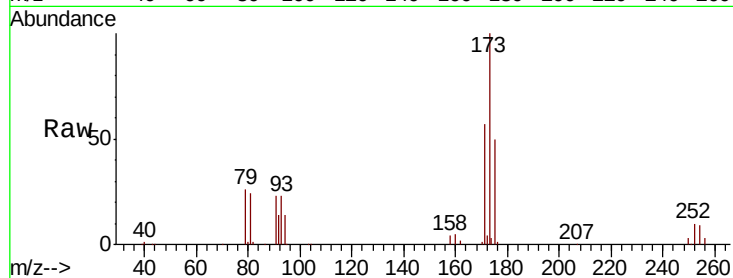
Tot Ion:173 Resp: 164814

Ion Ratio Lower Upper

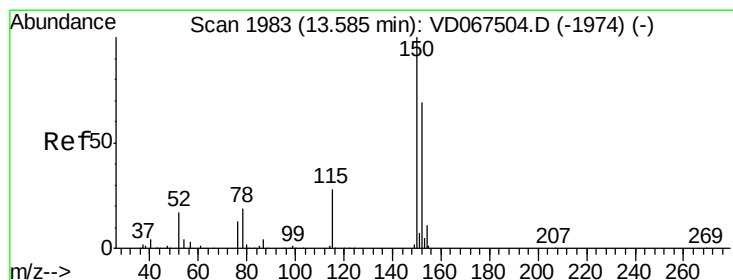
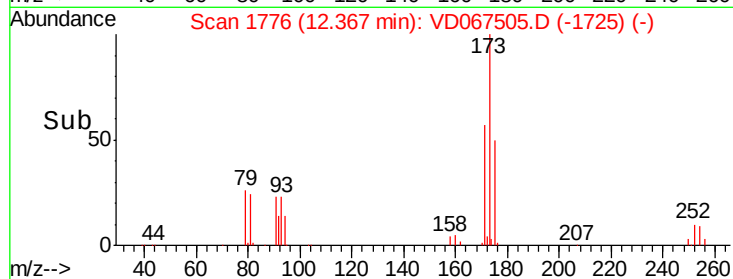
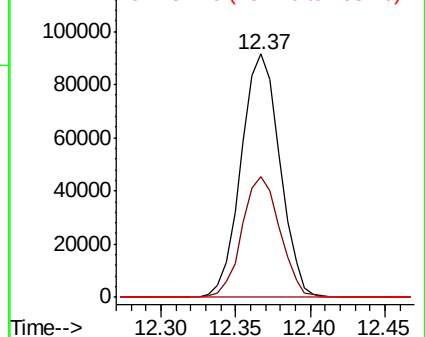
173 100

175 48.5 24.1 72.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

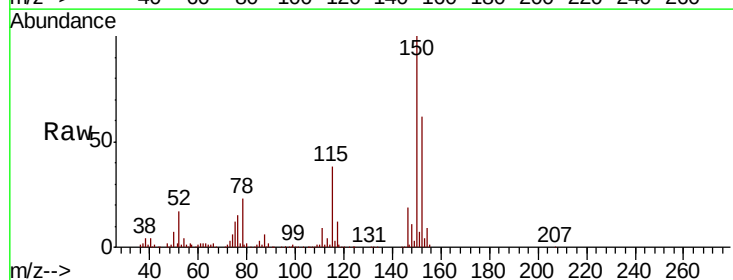
Tgt Ion:152 Resp: 226494

Ion Ratio Lower Upper

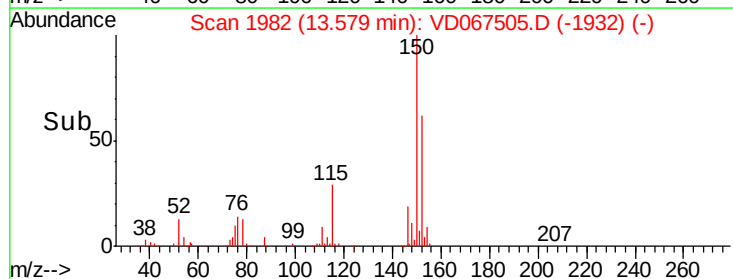
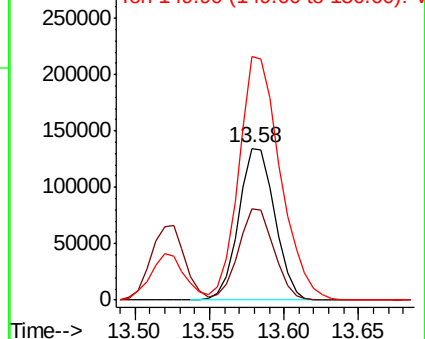
152 100

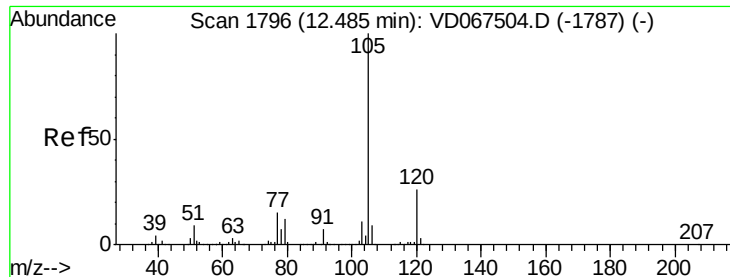
115 59.3 29.3 88.0

150 183.4 0.0 338.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 99.869 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

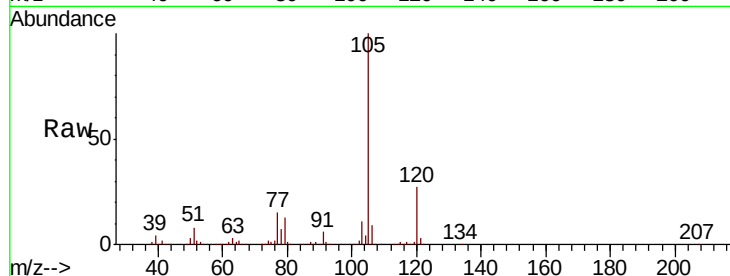
VSTDIC100

Tot Ion:105 Resp: 1461872

Ion Ratio Lower Upper

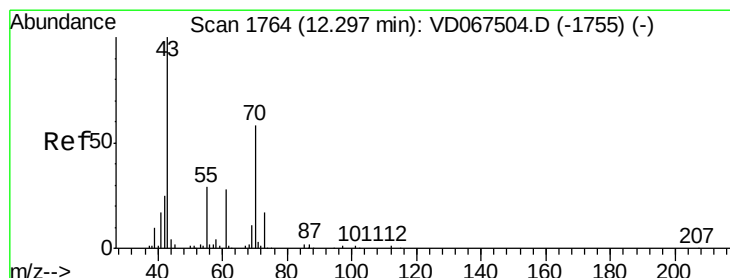
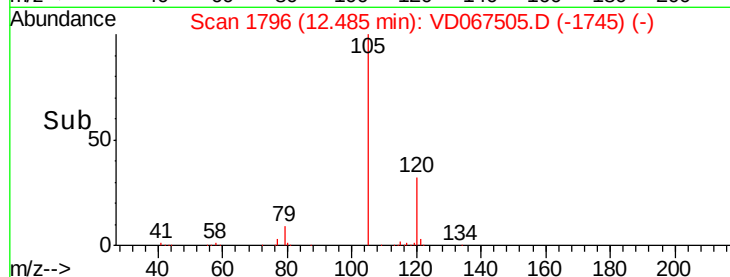
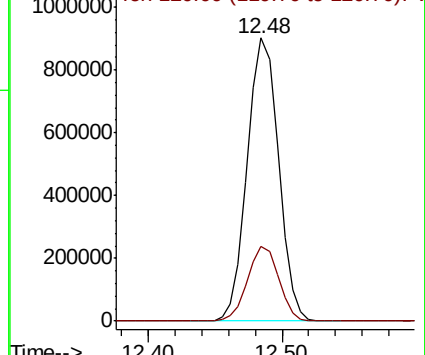
105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 100.541 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Tgt Ion: 43 Resp: 193653

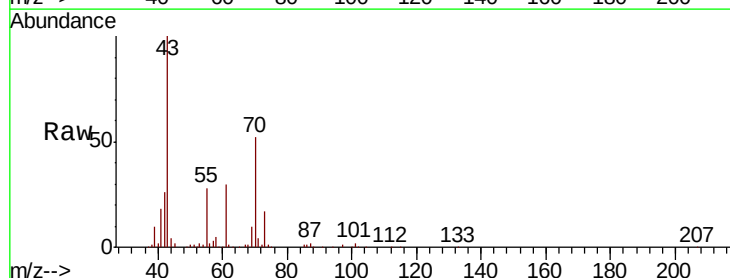
Ion Ratio Lower Upper

43 100

70 53.0 42.6 64.0

55 29.0 23.7 35.5

61 27.6 21.9 32.9

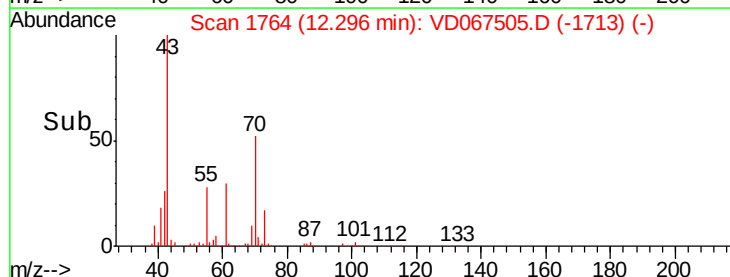
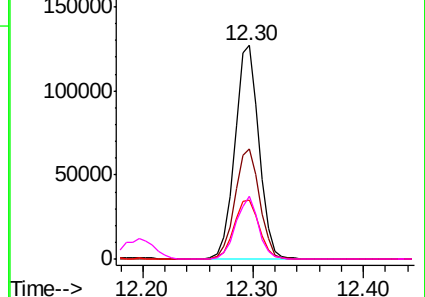


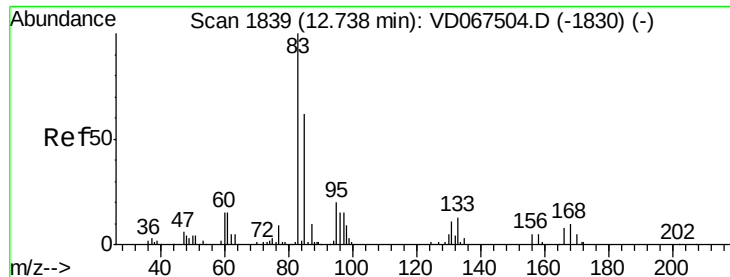
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 95.050 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

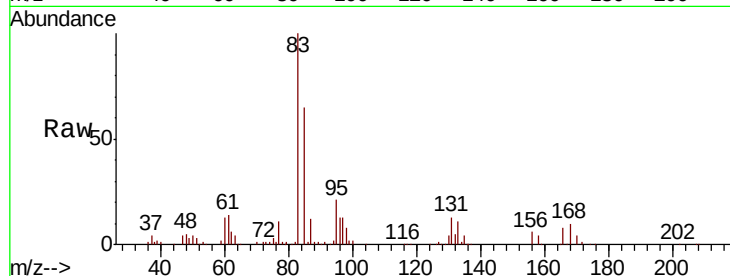
Tot Ion: 83 Resp: 189724

Ion Ratio Lower Upper

83 100

131 13.9 7.1 21.3

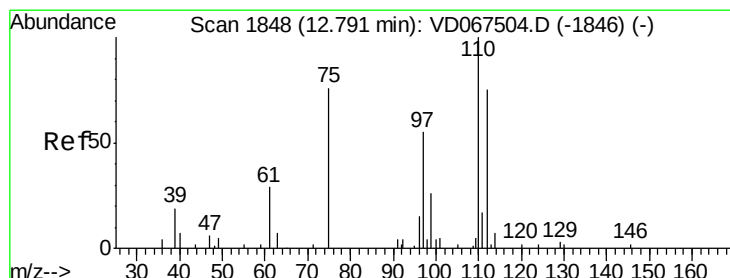
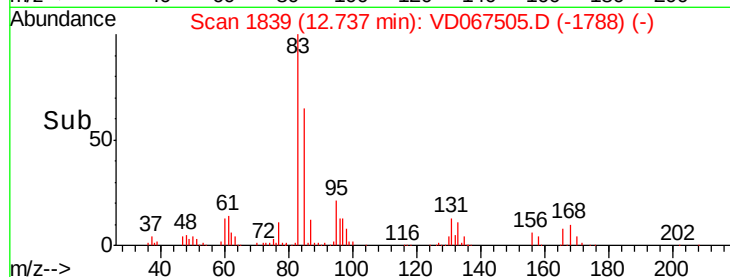
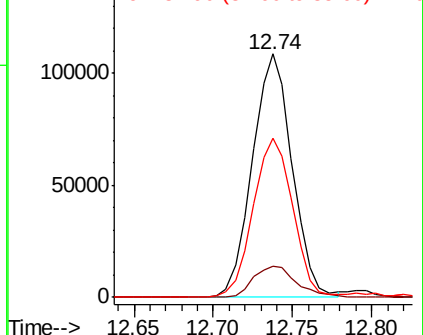
85 65.2 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 186.809 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD067505.D

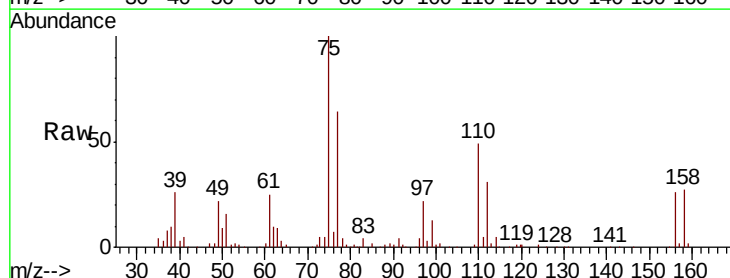
Acq: 03 Nov 2020 12:03

Tgt Ion: 75 Resp: 266823

Ion Ratio Lower Upper

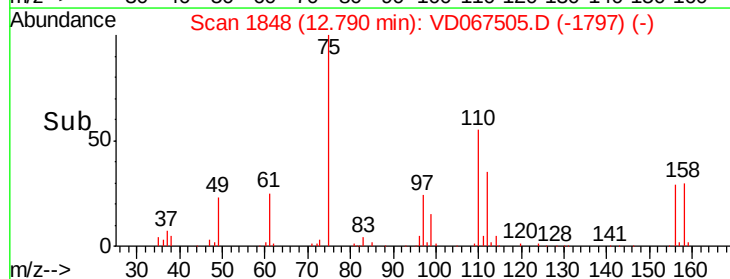
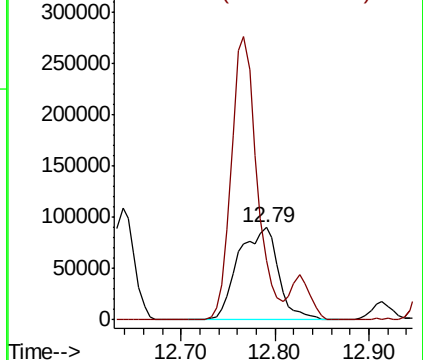
75 100

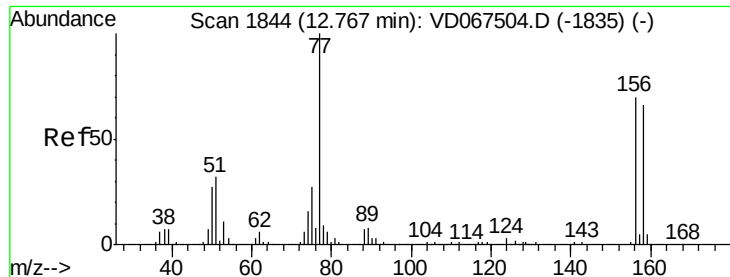
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 94.431 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

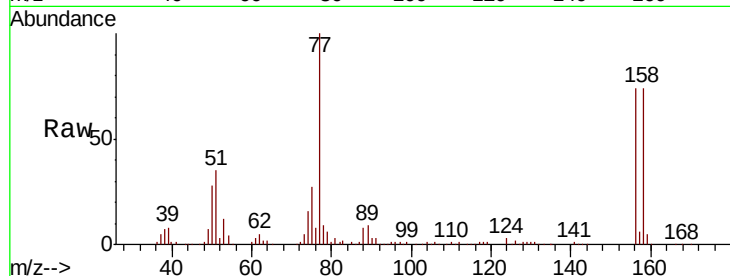
Tot Ion:156 Resp: 339470

Ion Ratio Lower Upper

156 100

77 155.1 77.8 233.5

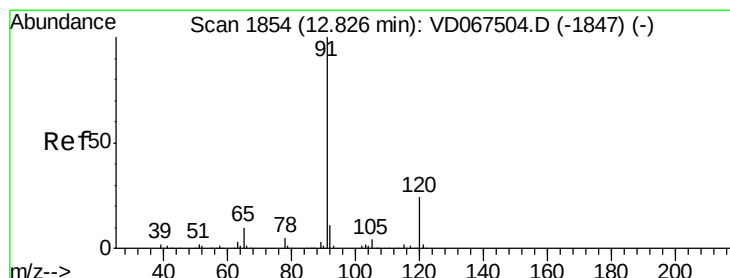
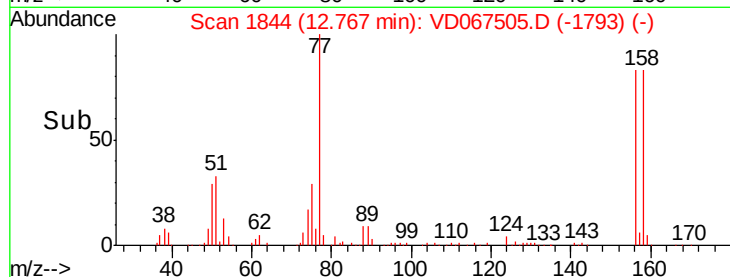
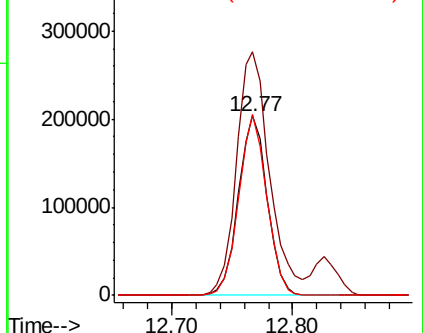
158 97.6 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 97.570 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067505.D

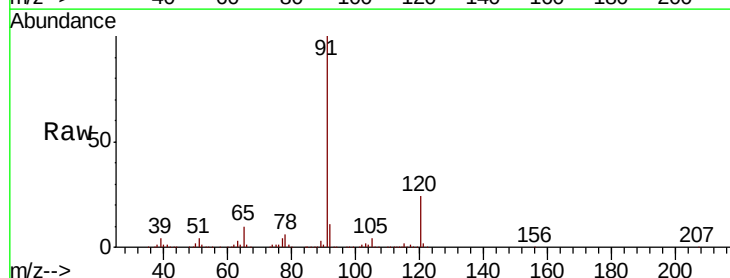
Acq: 03 Nov 2020 12:03

Tgt Ion: 91 Resp: 1633645

Ion Ratio Lower Upper

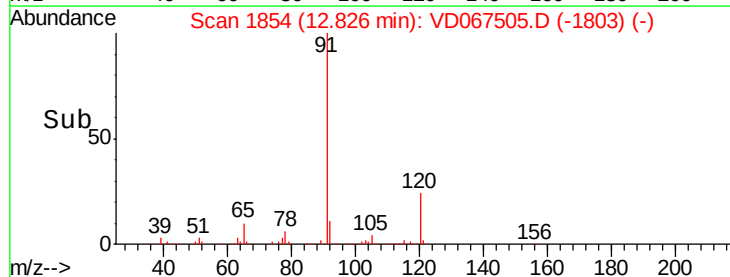
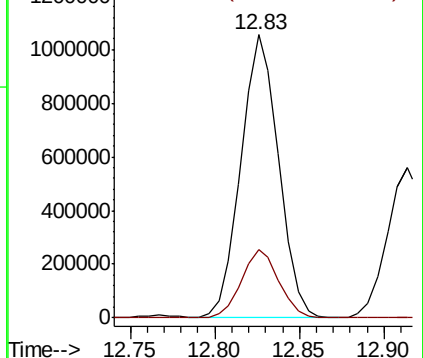
91 100

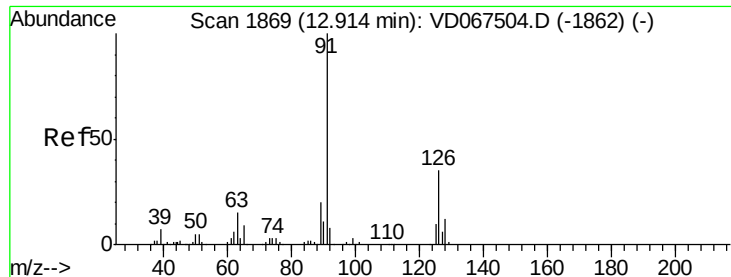
120 24.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

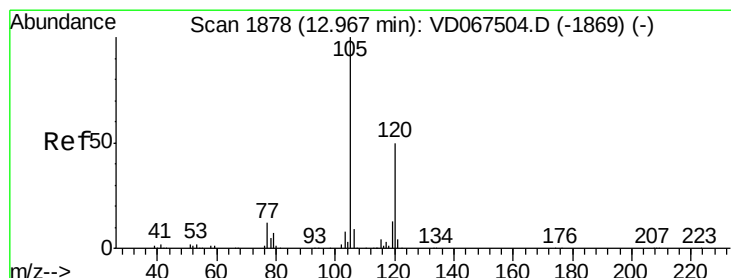
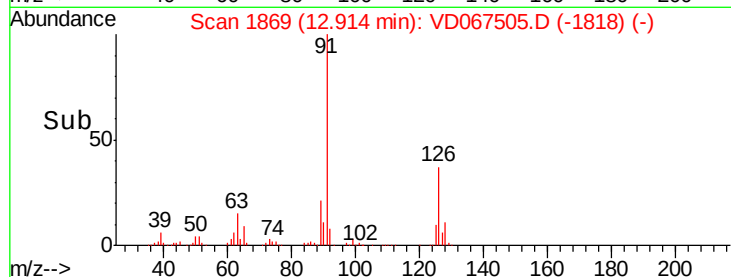
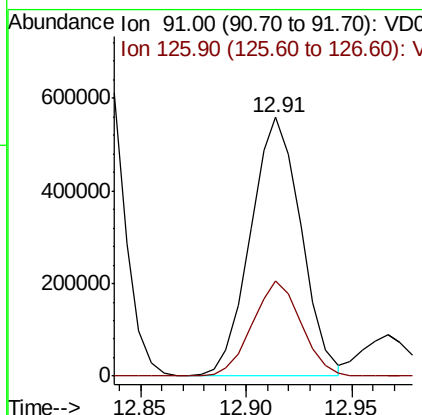
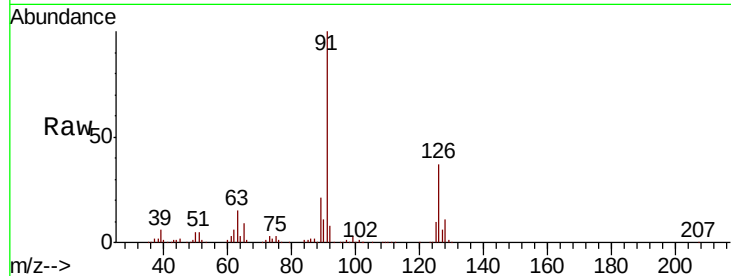




#79
 2-Chlorotoluene
 Concen: 97.437 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

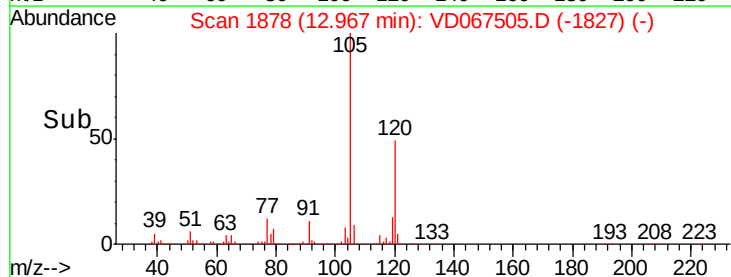
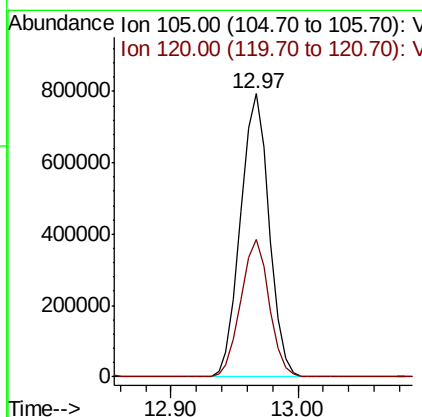
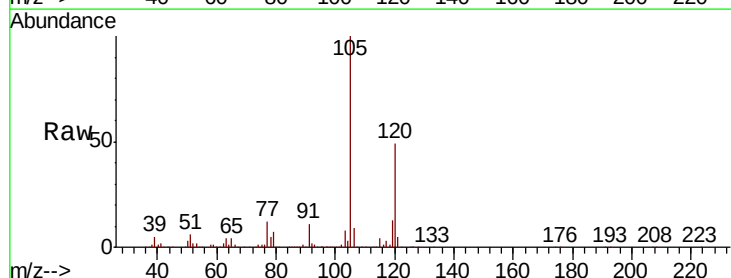
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

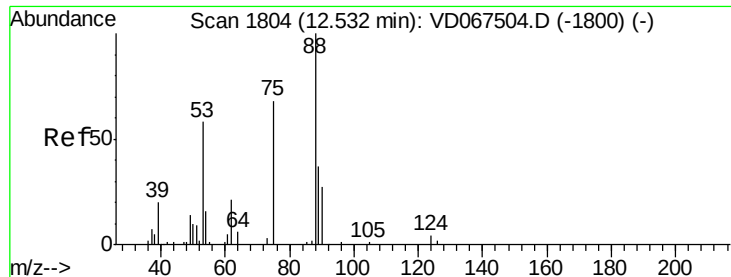
Tot Ion: 91 Resp: 926714
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 98.993 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion: 105 Resp: 1237852
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 92.706 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067505.D

Acq: 03 Nov 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

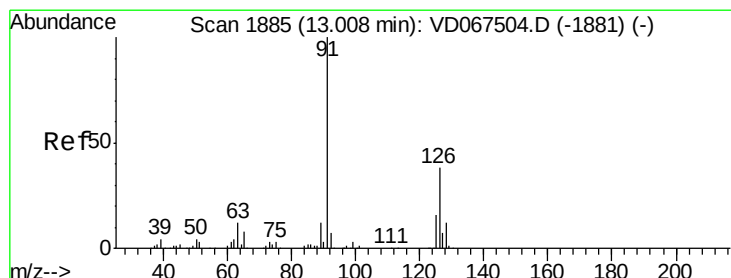
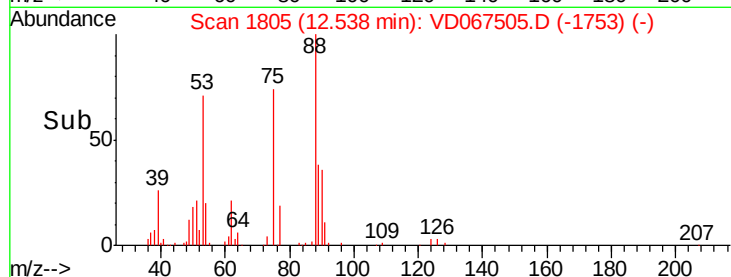
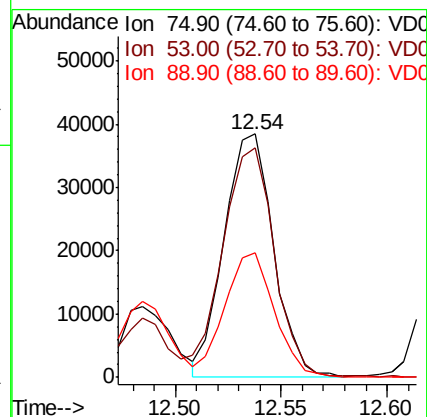
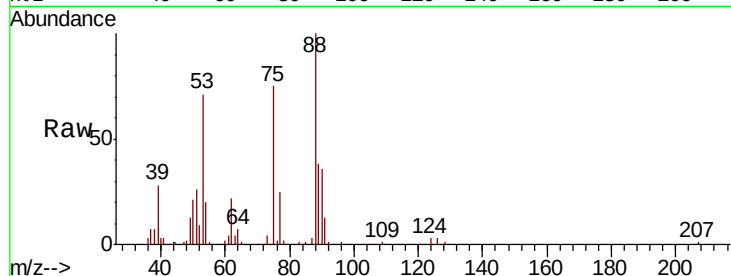
Tot Ion: 75 Resp: 62390

Ion Ratio Lower Upper

75 100

53 99.2 75.9 113.9

89 51.4 44.6 67.0



#82

4-Chlorotoluene

Concen: 95.112 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD067505.D

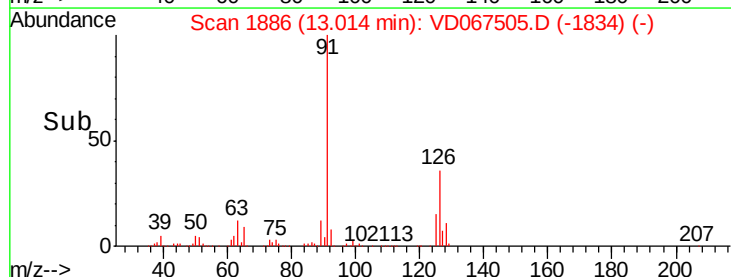
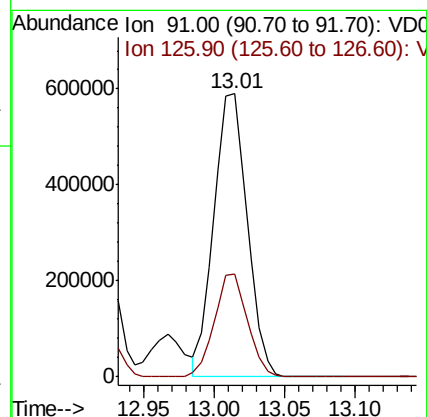
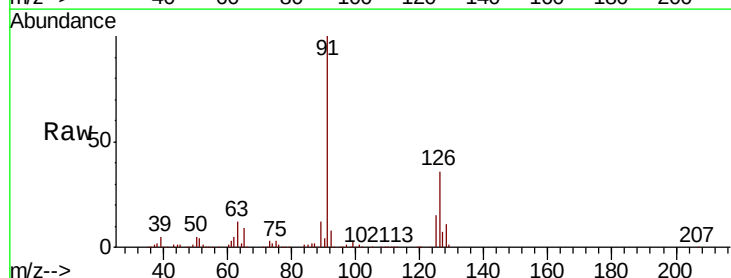
Acq: 03 Nov 2020 12:03

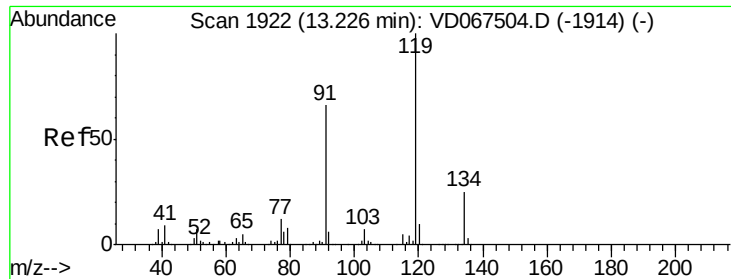
Tgt Ion: 91 Resp: 970191

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7

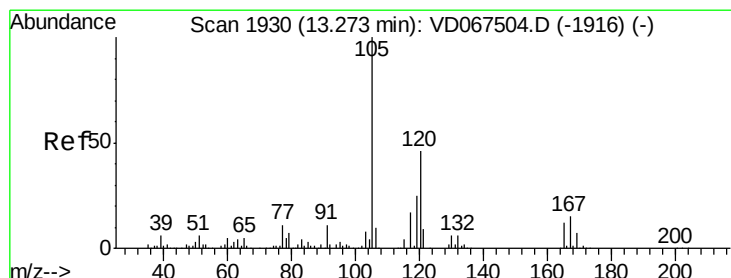
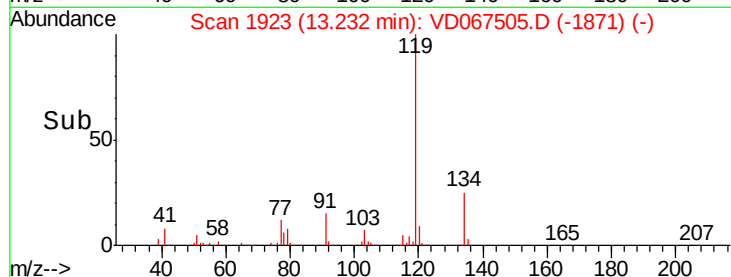
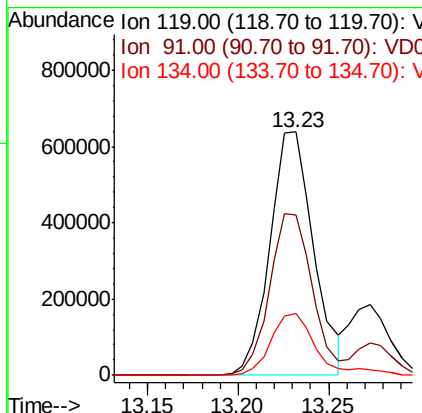
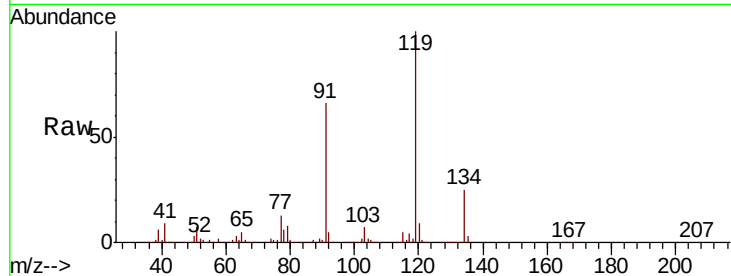




#83
 tert-Butylbenzene
 Concen: 101.055 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

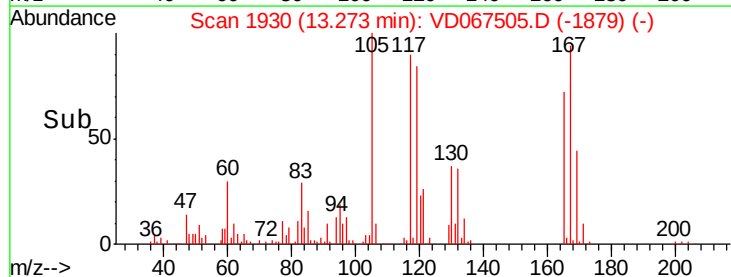
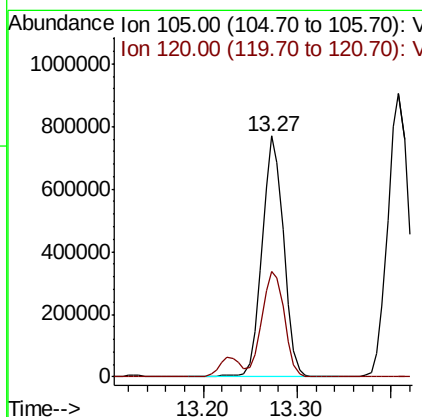
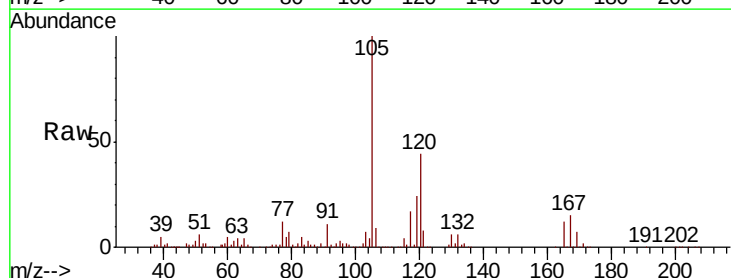
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

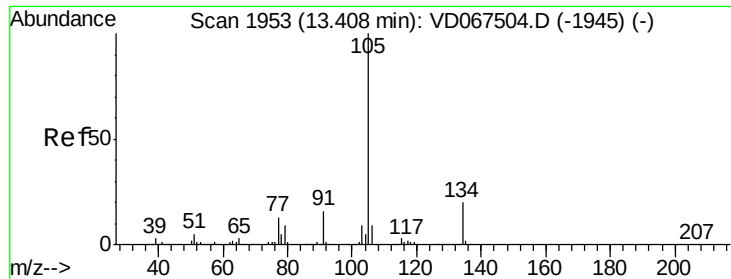
Tot Ion:119 Resp: 1070944
 Ion Ratio Lower Upper
 119 100
 91 65.0 32.7 98.1
 134 26.5 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 97.714 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion:105 Resp: 1216247
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.1 66.1

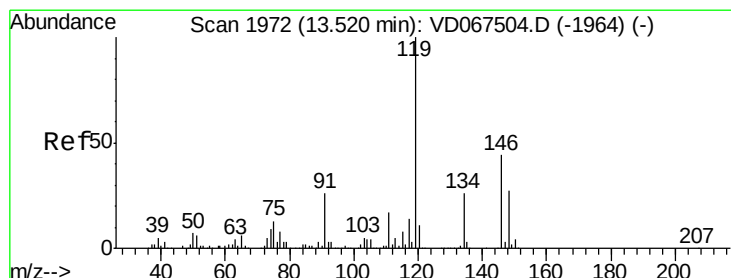
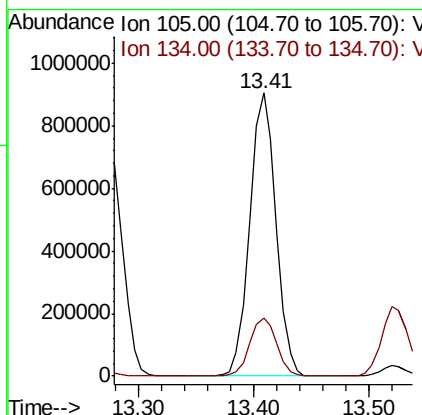
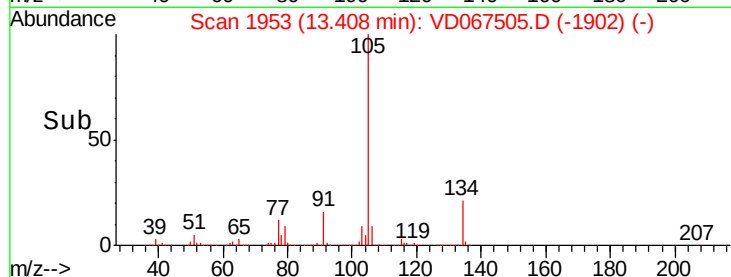
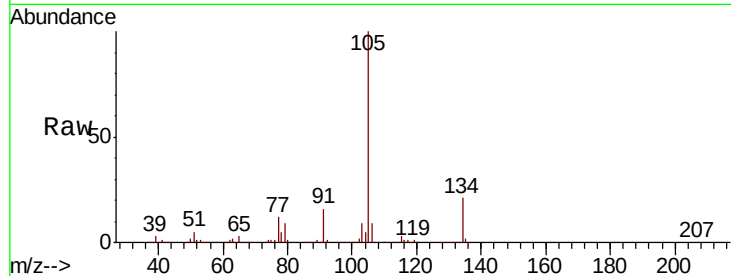




#85
 sec-Butylbenzene
 Concen: 99.619 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

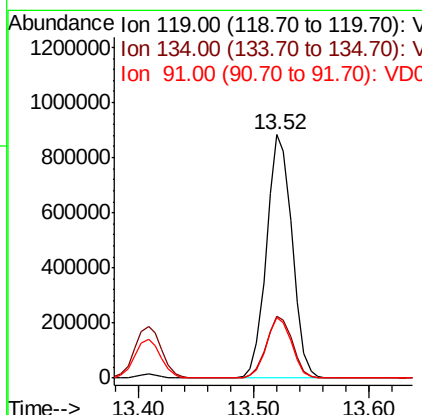
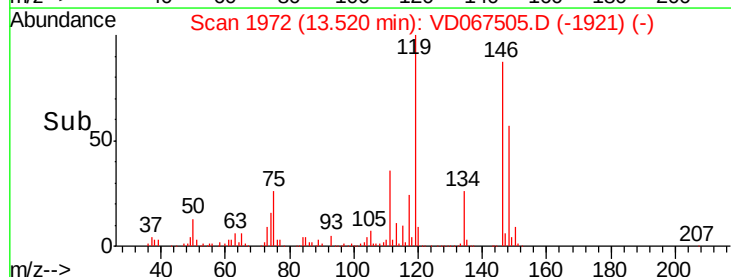
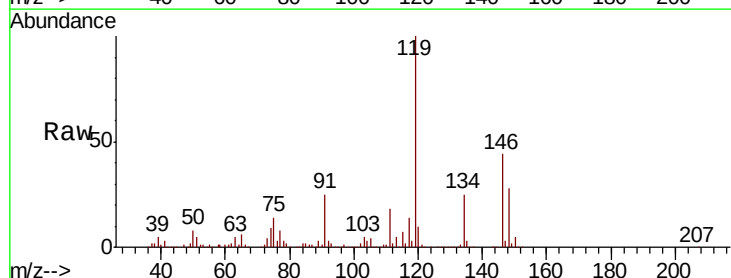
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

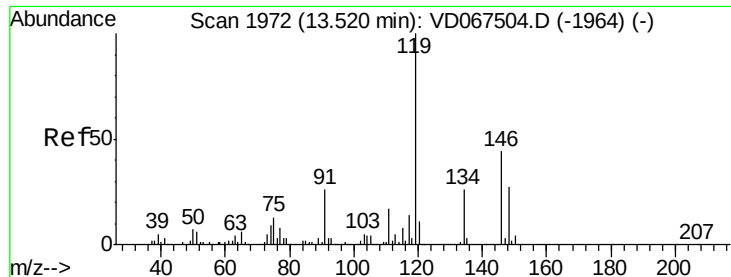
Tot Ion:105 Resp: 1425171
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 98.404 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion:119 Resp: 1359463
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 24.7 12.2 36.4

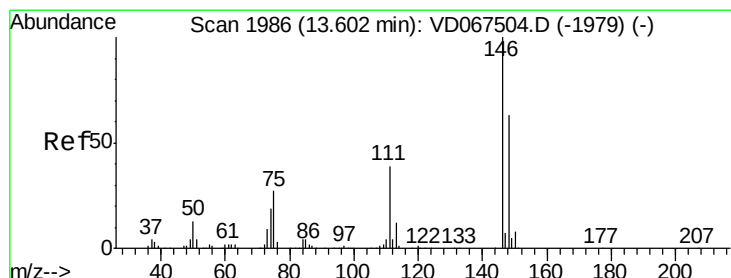
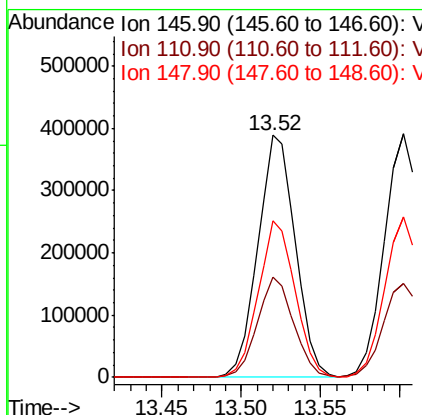
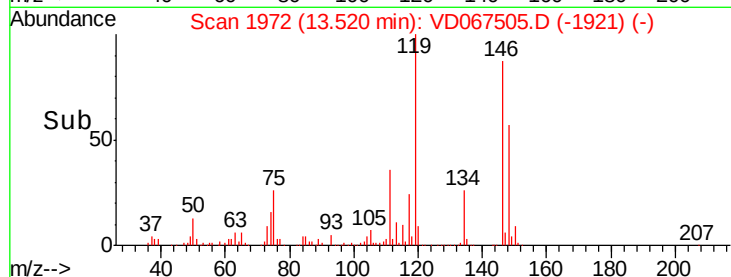
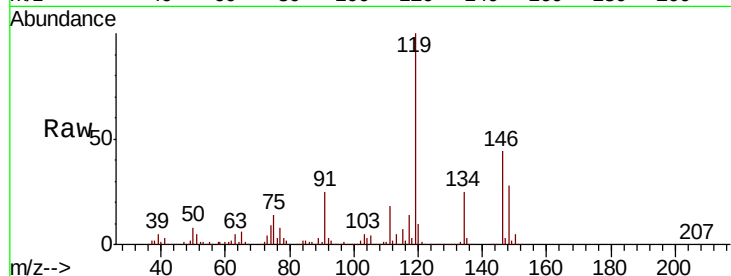




#87
1,3-Dichlorobenzene
Concen: 93.133 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

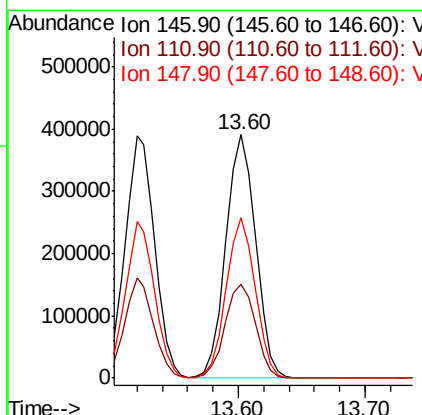
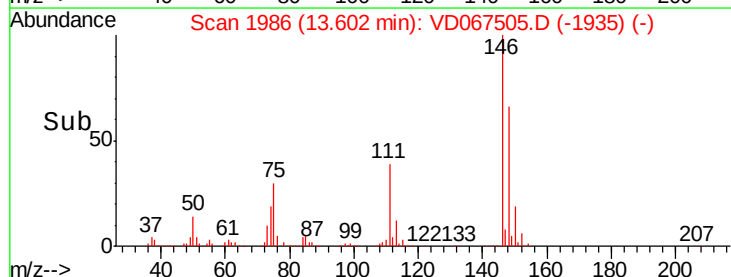
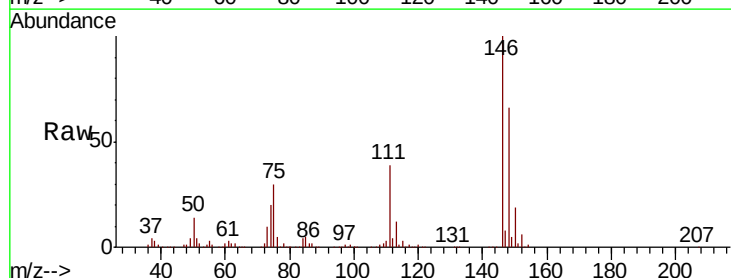
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

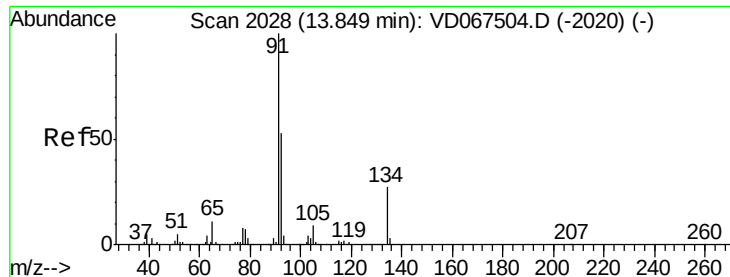
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.8
148	63.5	31.9	95.9



#88
1,4-Dichlorobenzene
Concen: 91.430 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	64.2	31.8	95.4

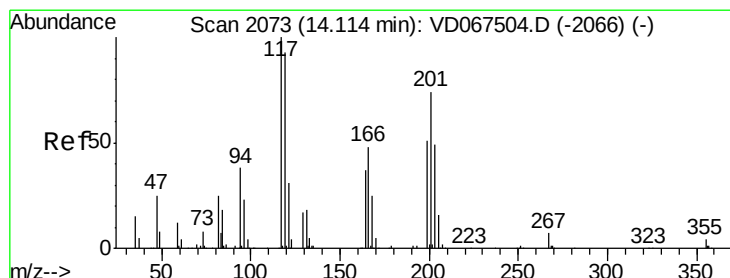
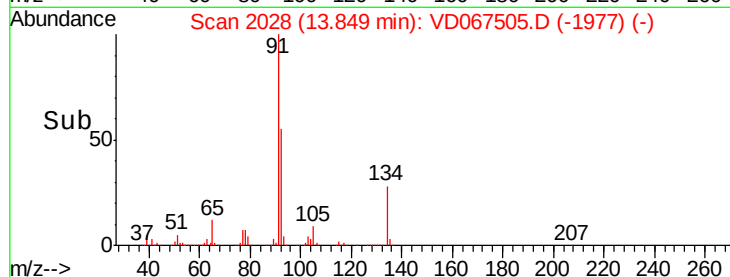
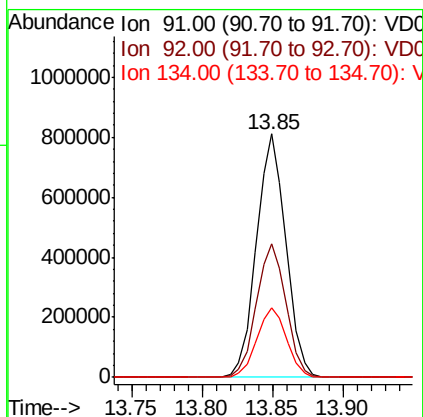
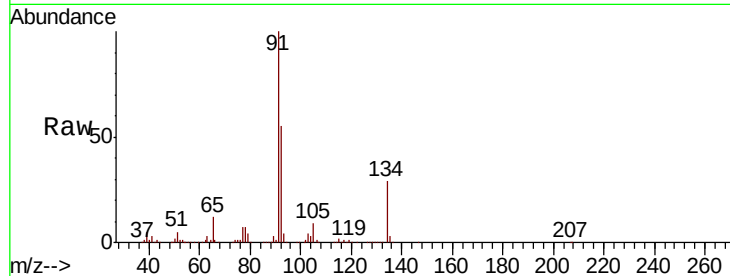




#89
n-Butylbenzene
Concen: 99.771 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

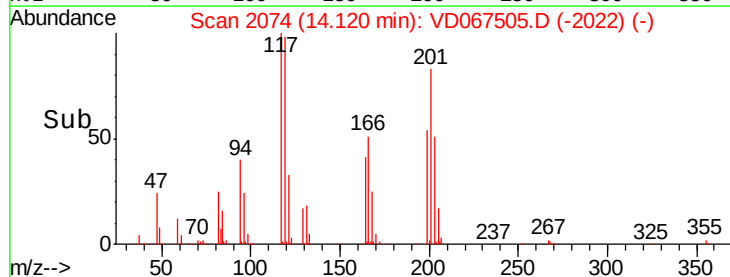
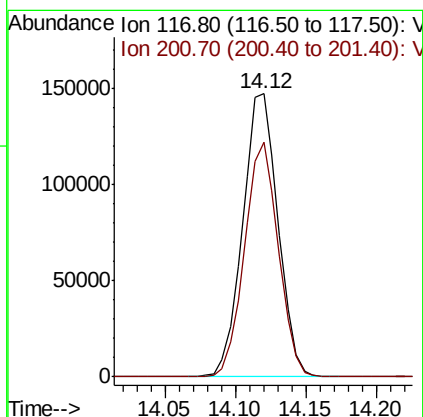
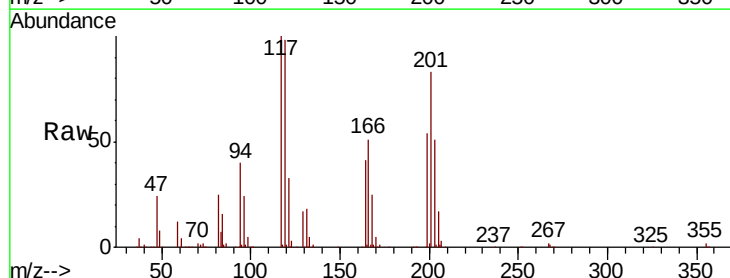
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

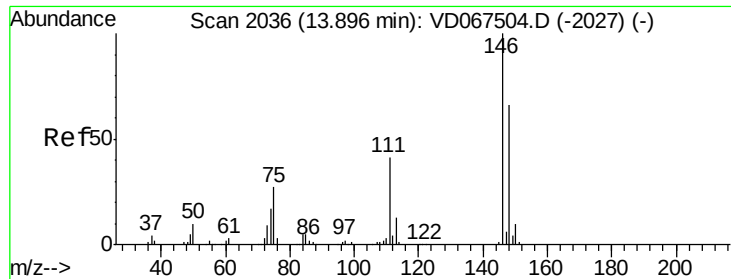
Tot Ion: 91 Resp: 1190562
Ion Ratio Lower Upper
91 100
92 55.2 26.6 79.8
134 29.0 14.1 42.2



#90
Hexachloroethane
Concen: 99.114 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion: 117 Resp: 257857
Ion Ratio Lower Upper
117 100
201 79.6 40.7 122.1

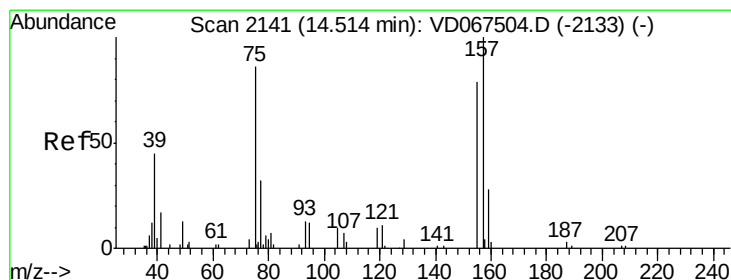
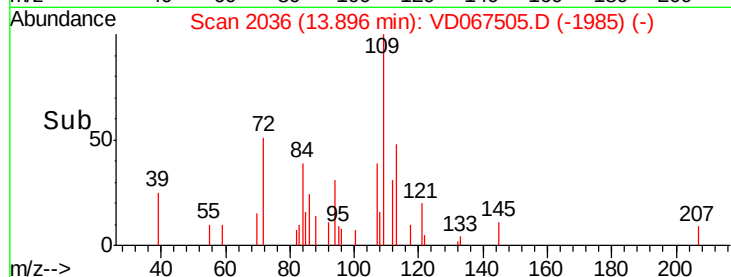
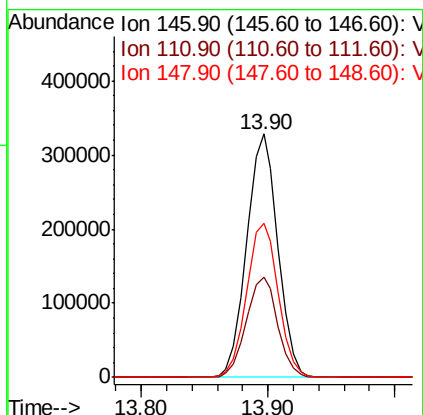
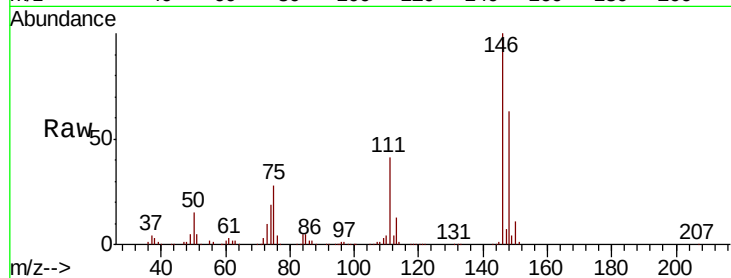




#91
 1,2-Dichlorobenzene
 Concen: 94.019 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

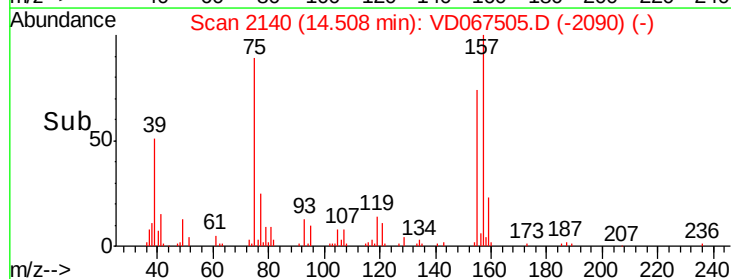
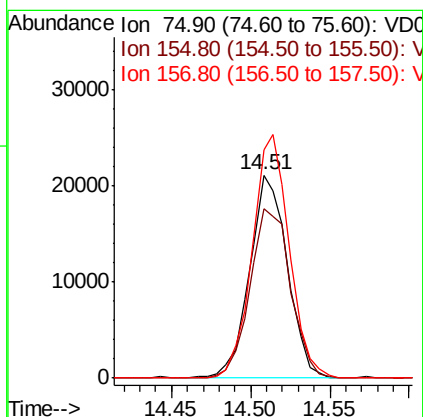
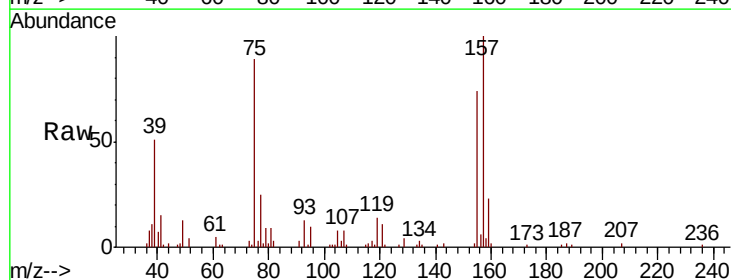
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

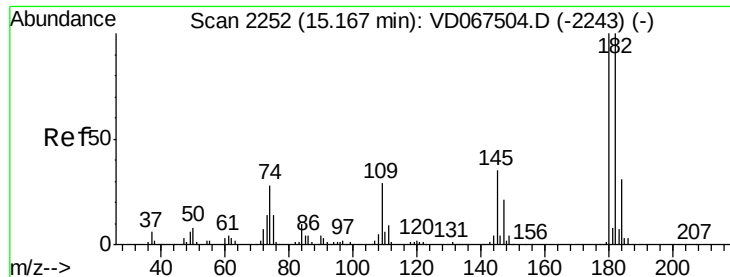
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	64.4	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.668 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	46.6	139.8
157	117.3	58.1	174.2

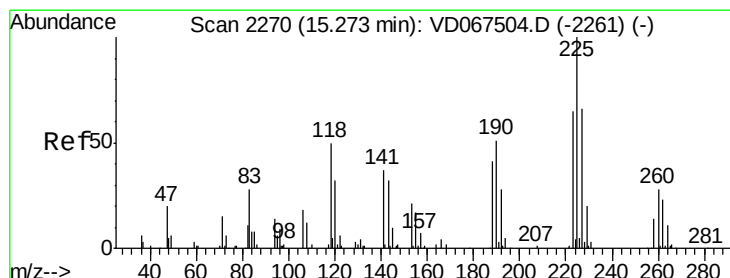
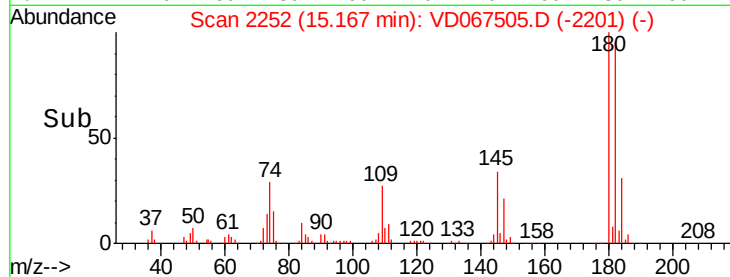
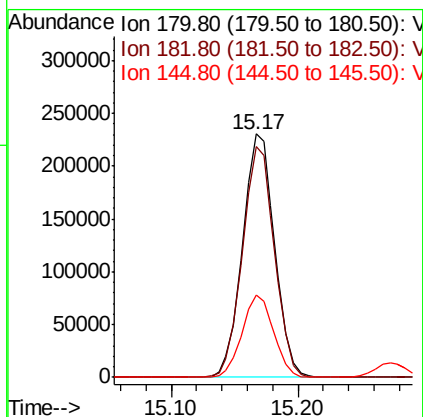
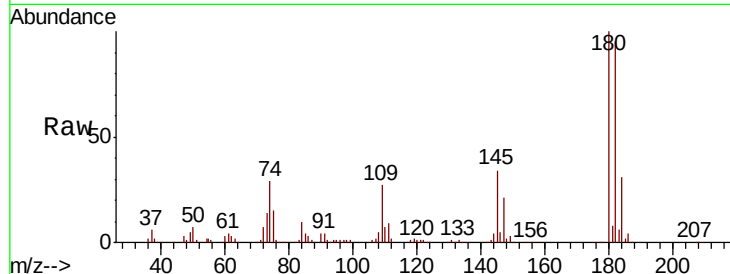




#93
 1,2,4-Trichlorobenzene
 Concen: 100.248 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

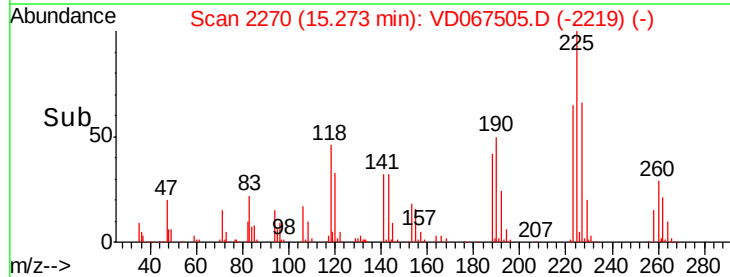
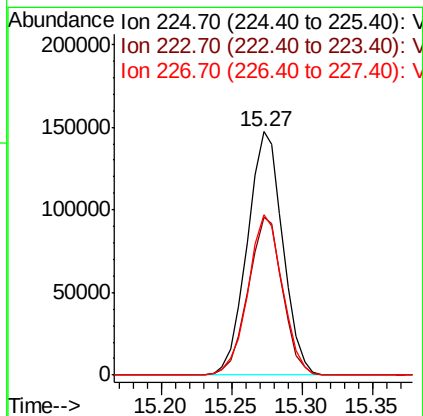
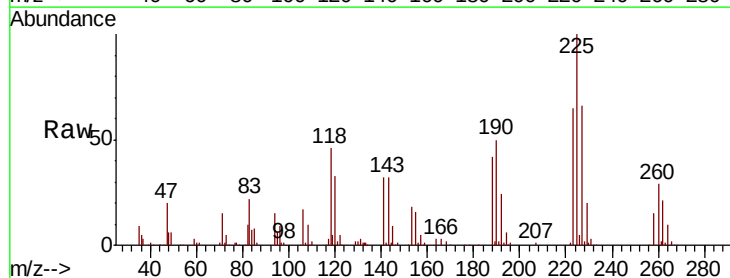
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

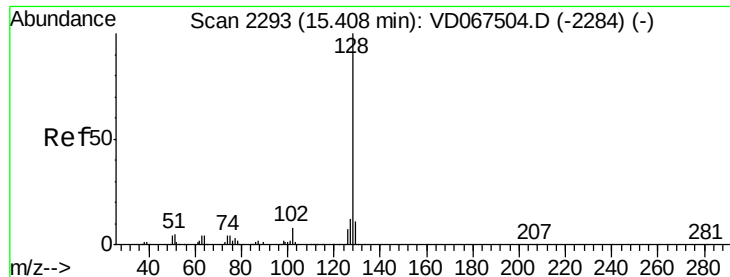
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.3
145	33.2	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 96.176 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067505.D
 Acq: 03 Nov 2020 12:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	64.0	32.5	97.4

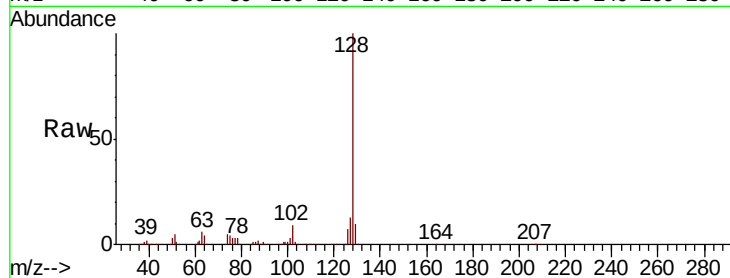




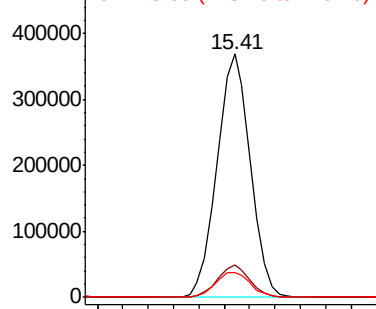
#95
Naphthalene
Concen: 107.854 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

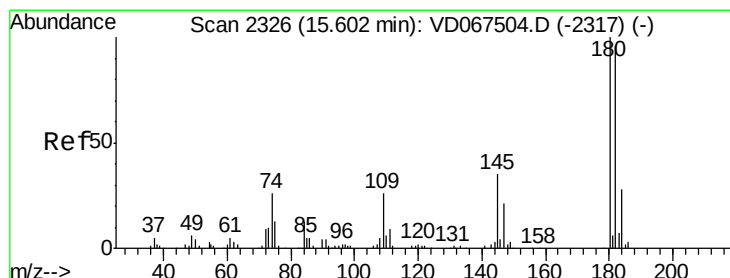
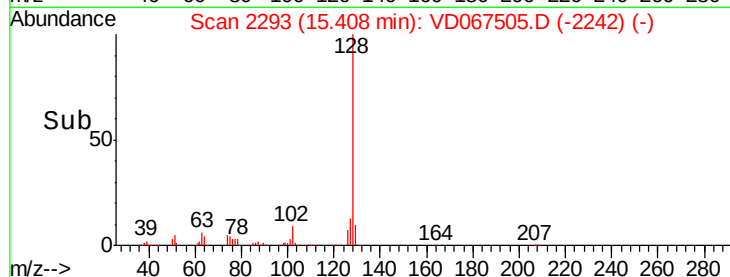
Tot Ion:128 Resp: 670667
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.8 8.9 13.3



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

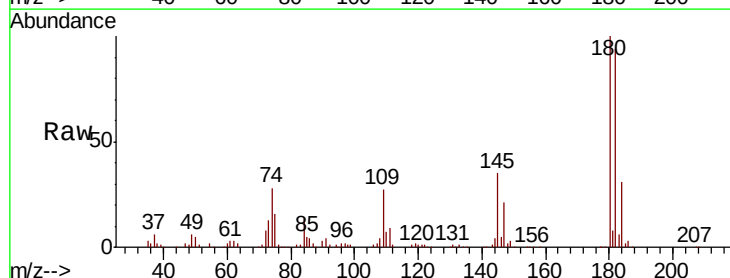


Time--> 15.30 15.40 15.50

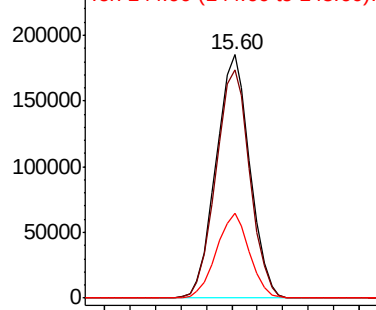


#96
1,2,3-Trichlorobenzene
Concen: 99.690 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067505.D
Acq: 03 Nov 2020 12:03

Tgt Ion:180 Resp: 343978
Ion Ratio Lower Upper
180 100
182 94.0 46.9 140.8
145 33.9 17.1 51.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60

