

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067739.D
 Acq On : 23 Nov 2020 11:50
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 24 00:37:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	265318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	379401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	352226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	182574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	51596	19.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.58%#
35) Dibromofluoromethane	7.91	113	46898	19.31	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	38.62%#
50) Toluene-d8	10.34	98	180002	20.42	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	40.84%#
62) 4-Bromofluorobenzene	12.63	95	62004	20.47	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	40.94%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	43388	18.558	ug/l	98
3) Chloromethane	2.21	50	24818	18.678	ug/l	95
4) Vinyl Chloride	2.34	62	30811	18.578	ug/l	99
5) Bromomethane	2.75	94	27315	19.231	ug/l	92
6) Chloroethane	2.91	64	20495	18.720	ug/l	99
7) Trichlorofluoromethane	3.27	101	98956	19.711	ug/l	95
8) Diethyl Ether	3.71	74	20221	19.959	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46930	19.621	ug/l	99
10) Methyl Iodide	4.30	142	42474	17.308	ug/l	96
11) Tert butyl alcohol	5.22	59	18912	97.117	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	43064	19.577	ug/l	91
13) Acrolein	3.92	56	11512	106.960	ug/l	98
14) Allyl chloride	4.71	41	39411	18.646	ug/l	93
15) Acrylonitrile	5.41	53	35203	102.521	ug/l #	88
16) Acetone	4.16	43	32684	94.625	ug/l	97
17) Carbon Disulfide	4.41	76	127099	19.716	ug/l	98
18) Methyl Acetate	4.71	43	13053	19.582	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	94503	20.089	ug/l	97
20) Methylene Chloride	4.96	84	61967	18.097	ug/l #	96
21) trans-1,2-Dichloroethene	5.47	96	48946	19.879	ug/l	94
22) Diisopropyl ether	6.37	45	85837	20.634	ug/l	96
23) Vinyl Acetate	6.31	43	237578	100.579	ug/l	95
24) 1,1-Dichloroethane	6.26	63	72540	20.150	ug/l	97
25) 2-Butanone	7.21	43	36373	98.629	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	82143	19.488	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	52705	19.834	ug/l	99
28) Bromochloromethane	7.56	49	22404	19.490	ug/l	100
29) Tetrahydrofuran	7.56	42	21241	98.260	ug/l	90
30) Chloroform	7.71	83	92096	19.726	ug/l	96
31) Cyclohexane	7.98	56	61280	19.687	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	99906	20.083	ug/l	100
36) 1,1-Dichloropropene	8.11	75	64326	19.585	ug/l	100
37) Ethyl Acetate	7.30	43	16877	19.561	ug/l	95
38) Carbon Tetrachloride	8.10	117	95781	19.874	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76171	19.528	ug/l	96
40) Benzene	8.35	78	181329	20.018	ug/l	99
41) Methacrylonitrile	7.53	41	8149	20.336	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	62295	20.471	ug/l	100
43) Isopropyl Acetate	8.46	43	34658	19.852	ug/l	97
44) Trichloroethene	9.11	130	59822	19.809	ug/l	98
45) 1,2-Dichloropropane	9.39	63	37620	20.427	ug/l	100
46) Dibromomethane	9.48	93	25111	20.301	ug/l	94
47) Bromodichloromethane	9.67	83	70851	20.265	ug/l	99
48) Methyl methacrylate	9.46	41	16738	19.354	ug/l	90
49) 1,4-Dioxane	9.46	88	5728	426.957	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	86432	106.104	ug/l	99
52) Toluene	10.41	92	129156	21.137	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	62269	20.449	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	71195	20.652	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	33526	19.965	ug/l	96
56) Ethyl methacrylate	10.67	69	35724	20.584	ug/l	97
57) 1,3-Dichloropropane	10.95	76	54046	20.548	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	74975	92.505	ug/l	99
59) 2-Hexanone	10.99	43	58803	101.151	ug/l	100
60) Dibromochloromethane	11.14	129	53251	20.803	ug/l	100
61) 1,2-Dibromoethane	11.25	107	34086	20.529	ug/l	96
64) Tetrachloroethene	10.88	164	54370	19.632	ug/l	92
65) Chlorobenzene	11.67	112	141294	20.252	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	54710	19.574	ug/l	96
67) Ethyl Benzene	11.75	91	238812	19.941	ug/l	99
68) m/p-Xylenes	11.86	106	191543	40.907	ug/l	97
69) o-Xylene	12.18	106	83607	19.637	ug/l	95
70) Styrene	12.20	104	150413	20.450	ug/l	98
71) Bromoform	12.36	173	31081	20.425	ug/l #	97
73) Isopropylbenzene	12.48	105	241698	19.734	ug/l	100
74) N-amyl acetate	12.29	43	31912	20.112	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	31933	19.564	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	47912	33.673	ug/l #	100
77) Bromobenzene	12.76	156	61517	20.172	ug/l	97
78) n-propylbenzene	12.83	91	271506	19.988	ug/l	98
79) 2-Chlorotoluene	12.91	91	161223	20.174	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	210542	19.583	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	10100	18.537	ug/l	83
82) 4-Chlorotoluene	13.01	91	168619	19.771	ug/l	100
83) tert-Butylbenzene	13.23	119	179317	19.792	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	214088	20.240	ug/l	100
85) sec-Butylbenzene	13.40	105	234733	19.620	ug/l	100
86) p-Isopropyltoluene	13.52	119	232823	20.123	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	119771	20.154	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	115942	19.578	ug/l	99
89) n-Butylbenzene	13.84	91	195716	19.760	ug/l	100
90) Hexachloroethane	14.11	117	41694	18.911	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	101580	19.875	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7052	20.301	ug/l	90

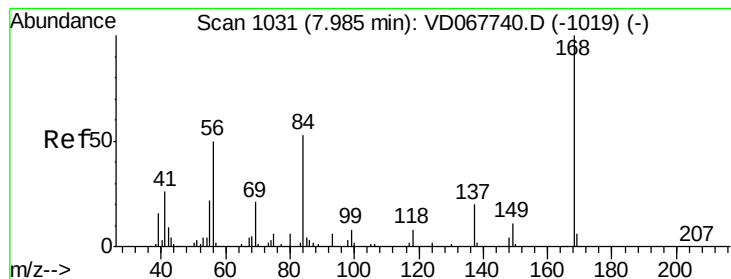
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112320\
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Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:34:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	71031	19.625	ug/l	97
94) Hexachlorobutadiene	15.27	225	44394	19.121	ug/l	96
95) Naphthalene	15.40	128	113373	19.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	58969	19.187	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

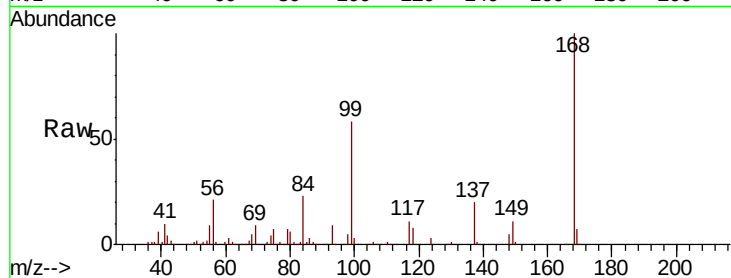
VSTDIC020

Tot Ion:168 Resp: 265318

Ion Ratio Lower Upper

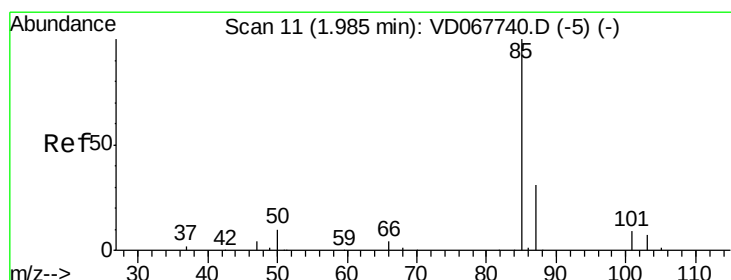
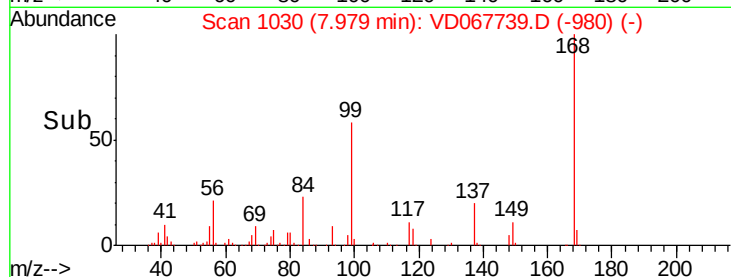
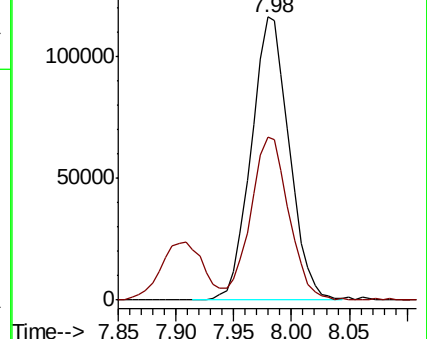
168 100

99 57.4 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.558 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD067739.D

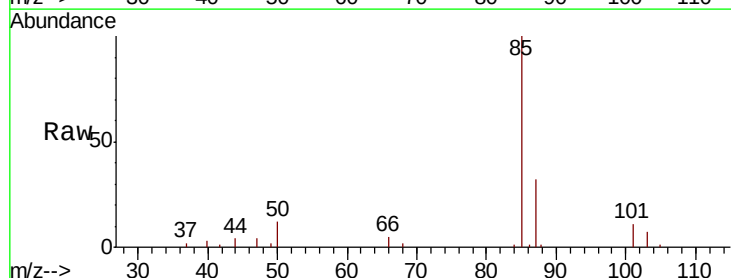
Acq: 23 Nov 2020 11:50

Tgt Ion: 85 Resp: 43388

Ion Ratio Lower Upper

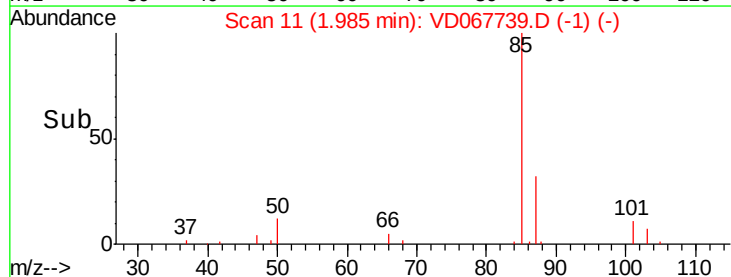
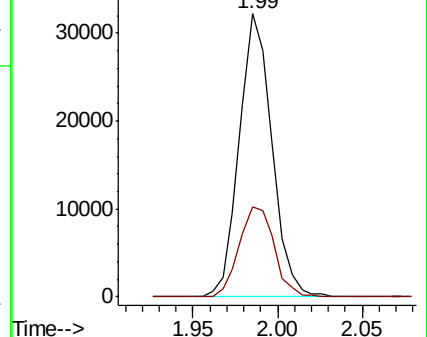
85 100

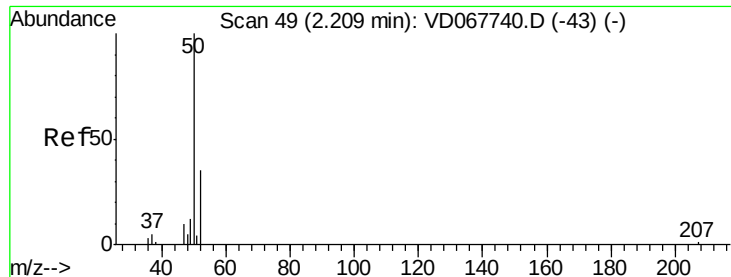
87 32.0 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.678 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

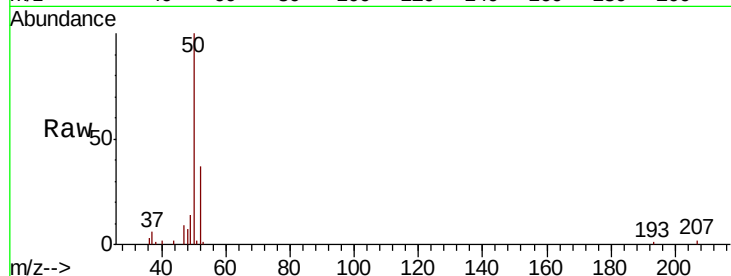
VSTDIC020

Tot Ion: 50 Resp: 24818

Ion Ratio Lower Upper

50 100

52 37.5 27.8 41.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

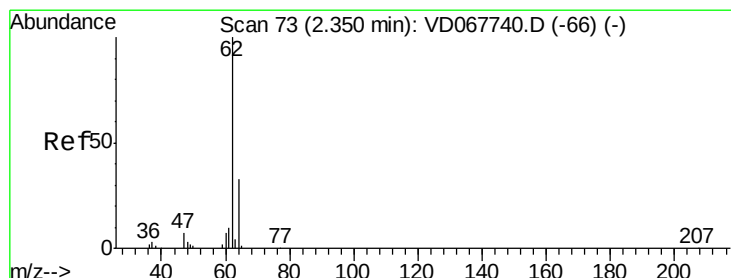
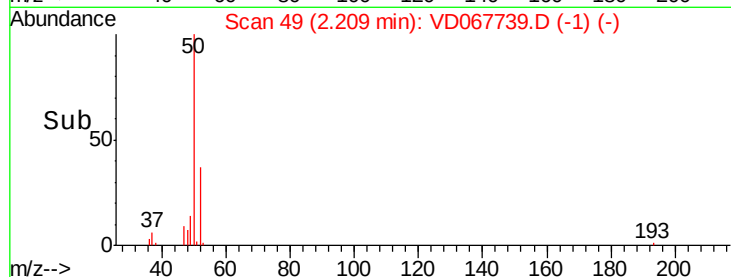
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 18.578 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067739.D

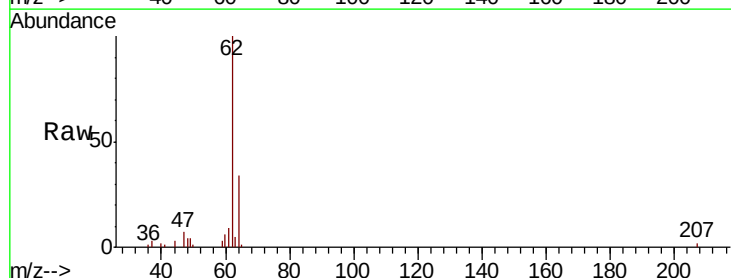
Acq: 23 Nov 2020 11:50

Tgt Ion: 62 Resp: 30811

Ion Ratio Lower Upper

62 100

64 33.8 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

20000

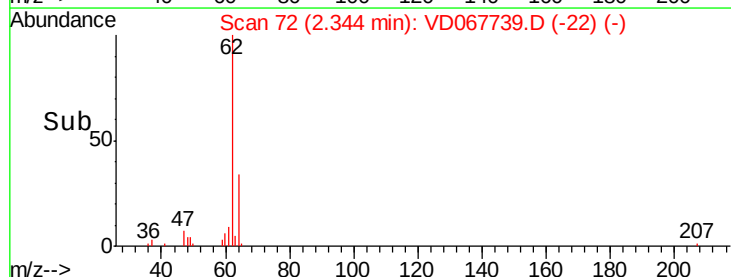
15000

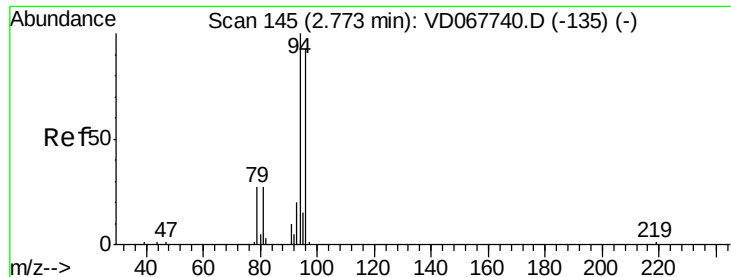
10000

5000

0

Time-->





#5

Bromomethane

Concen: 19.231 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

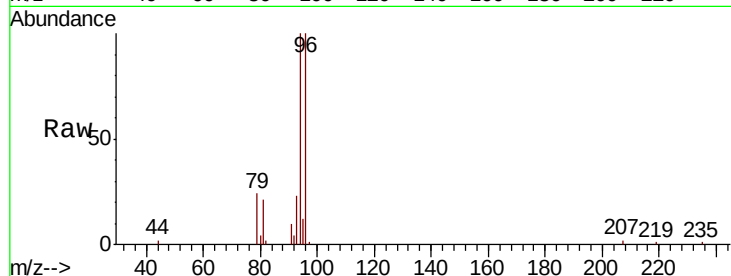
VSTDIC020

Tot Ion: 94 Resp: 27315

Ion Ratio Lower Upper

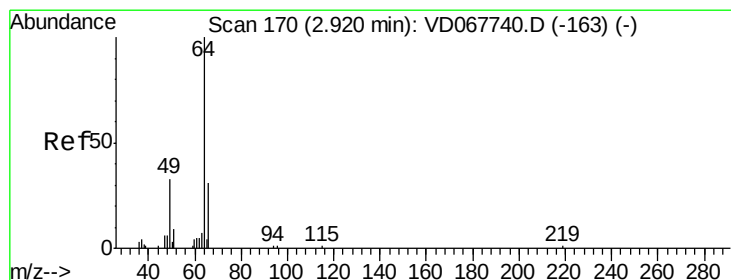
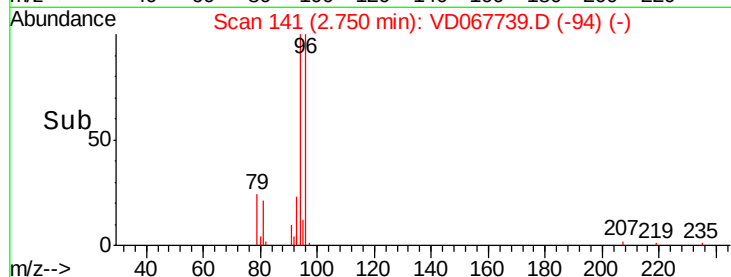
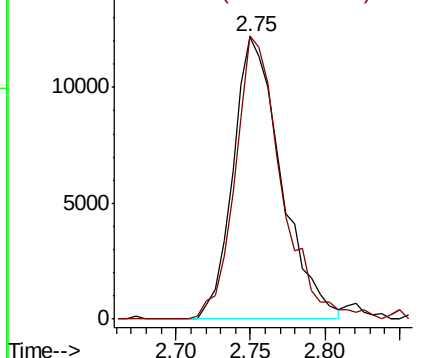
94 100

96 100.2 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.720 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067739.D

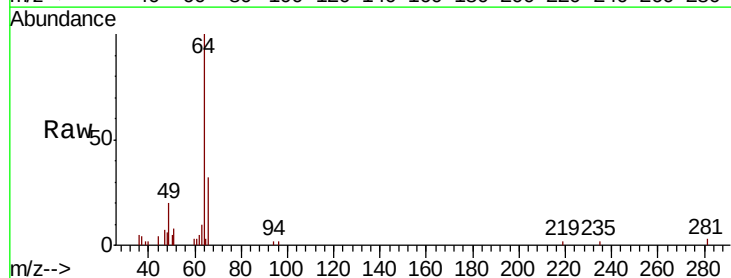
Acq: 23 Nov 2020 11:50

Tgt Ion: 64 Resp: 20495

Ion Ratio Lower Upper

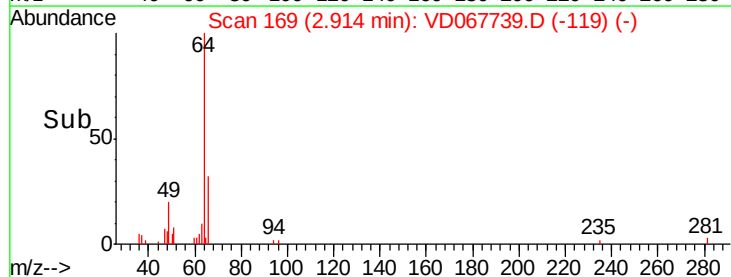
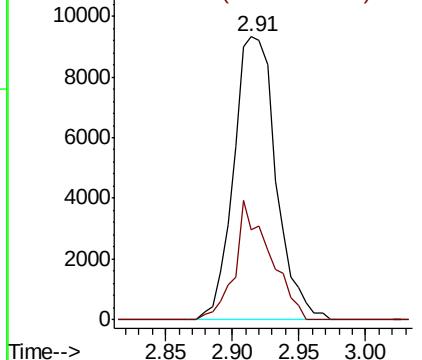
64 100

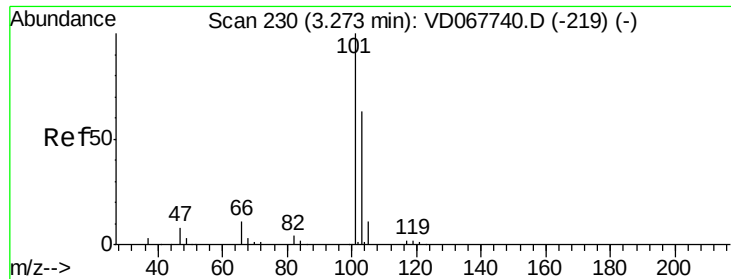
66 31.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



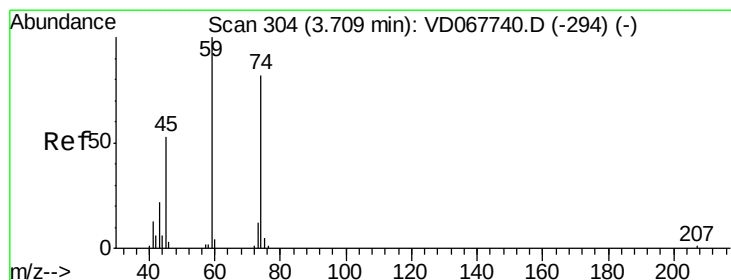
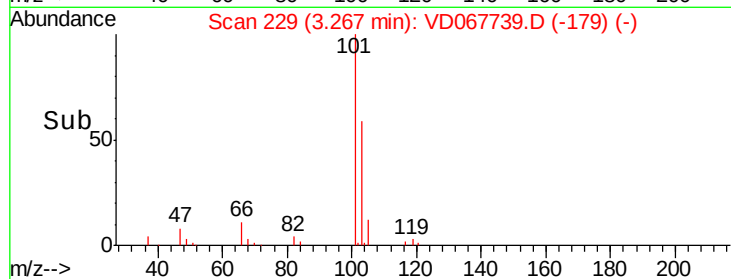
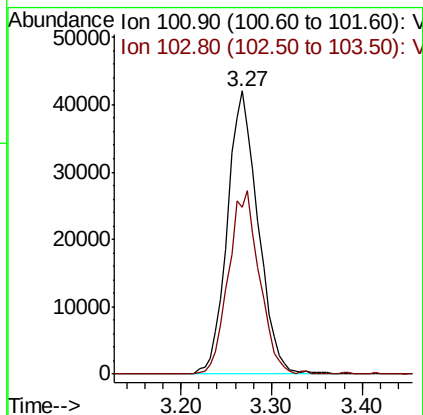
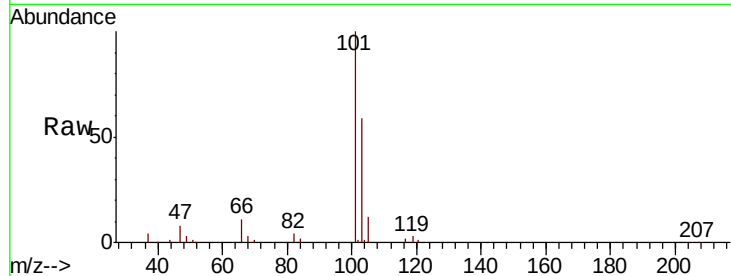


#7

Trichlorofluoromethane
 Concen: 19.711 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

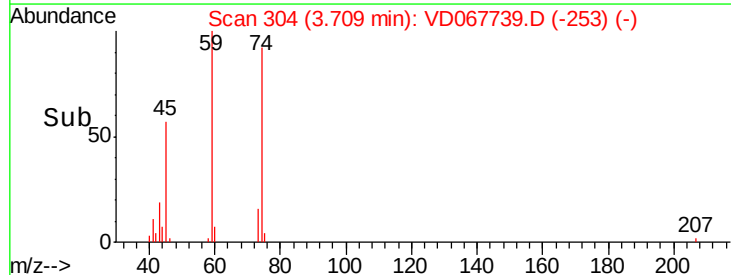
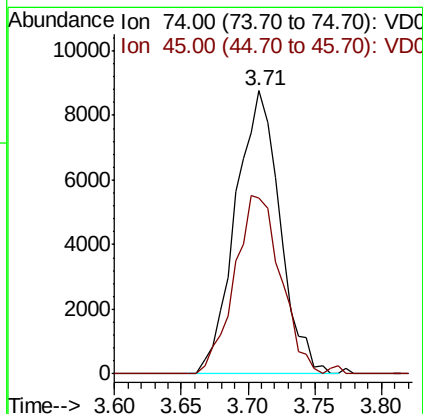
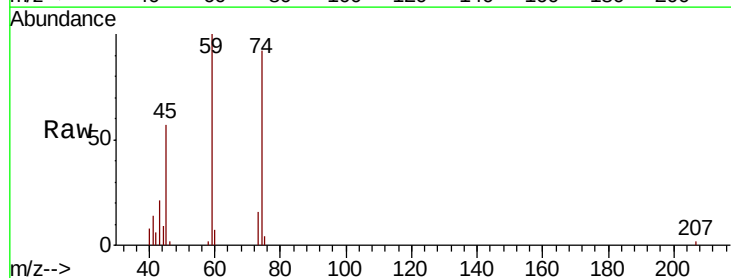
Tot Ion:101 Resp: 98956
 Ion Ratio Lower Upper
 101 100
 103 59.2 50.3 75.5

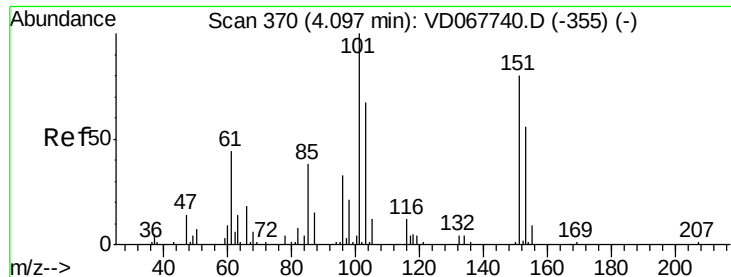


#8

Diethyl Ether
 Concen: 19.959 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion: 74 Resp: 20221
 Ion Ratio Lower Upper
 74 100
 45 65.6 35.9 107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.621 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

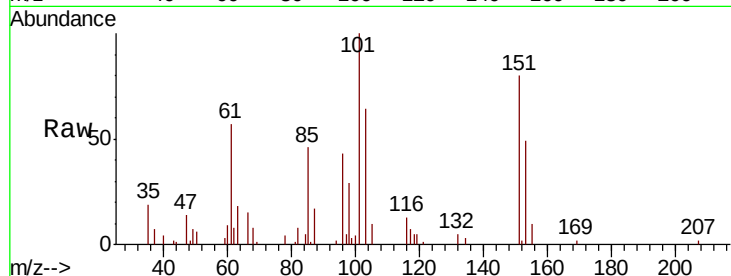
Tot Ion:101 Resp: 46930

Ion Ratio Lower Upper

101 100

85 43.5 35.5 53.3

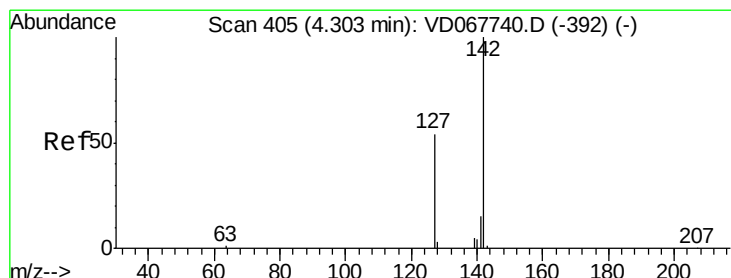
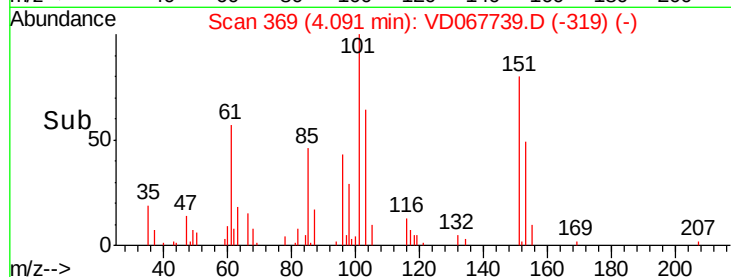
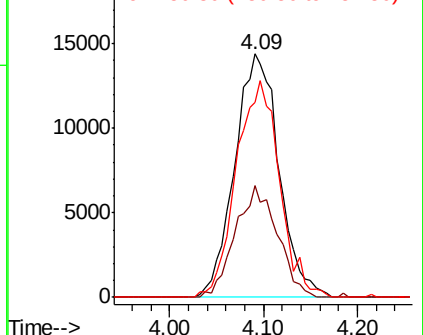
151 87.0 69.4 104.0



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: 17.308 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

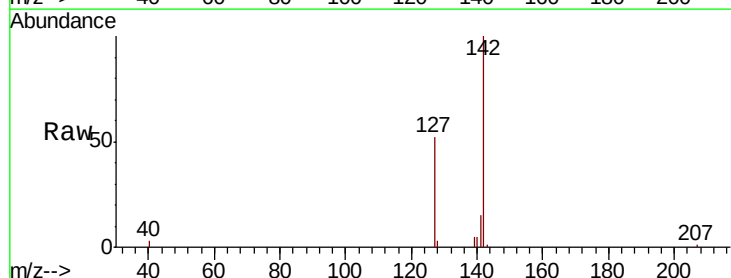
Tgt Ion:142 Resp: 42474

Ion Ratio Lower Upper

142 100

127 55.7 42.2 63.2

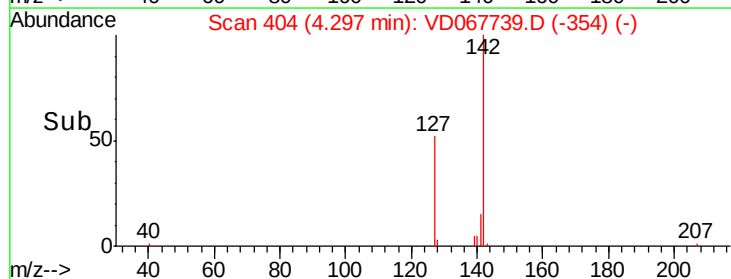
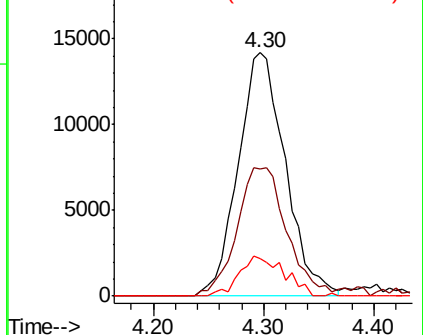
141 15.7 11.8 17.6

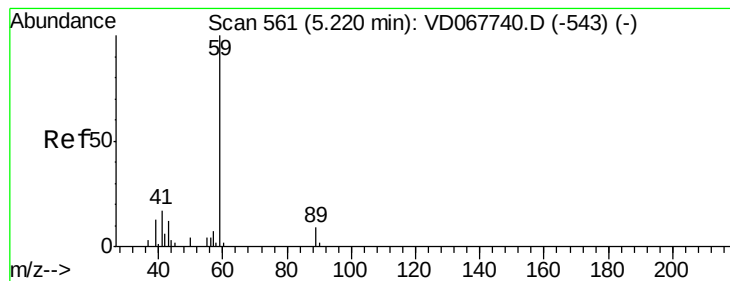


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 97.117 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

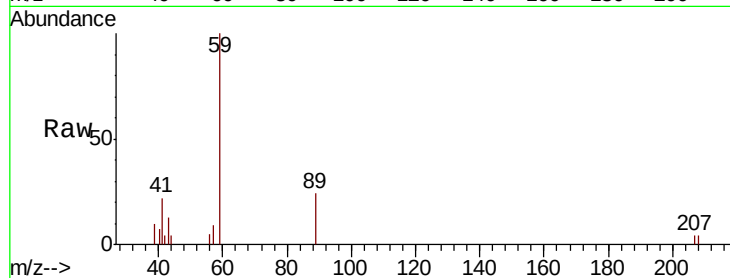
VSTDIC020

Tot Ion: 59 Resp: 18912

Ion Ratio Lower Upper

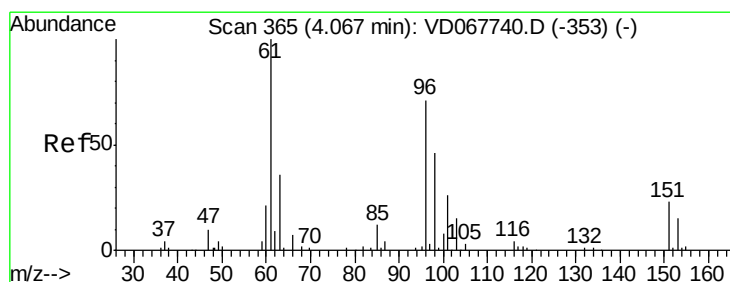
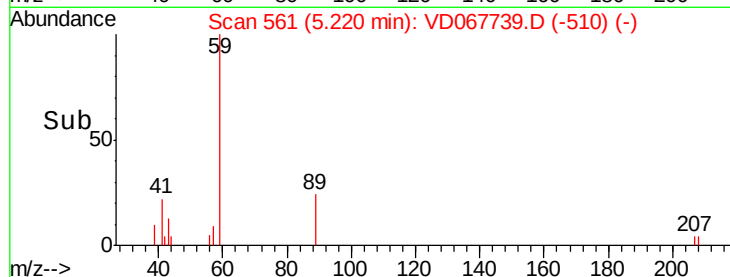
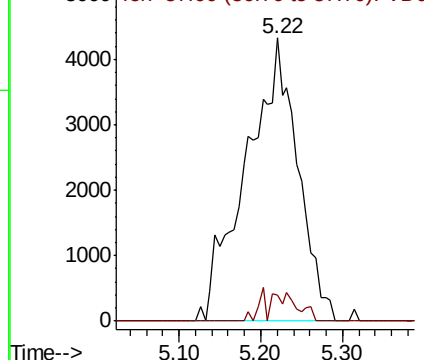
59 100

57 0.0 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.577 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

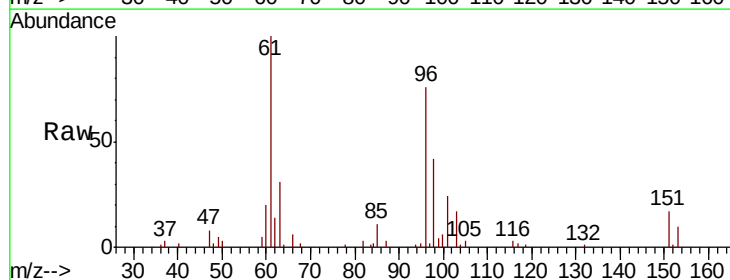
Tgt Ion: 96 Resp: 43064

Ion Ratio Lower Upper

96 100

61 132.3 112.9 169.3

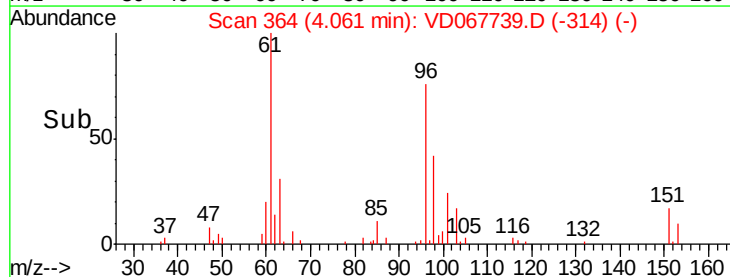
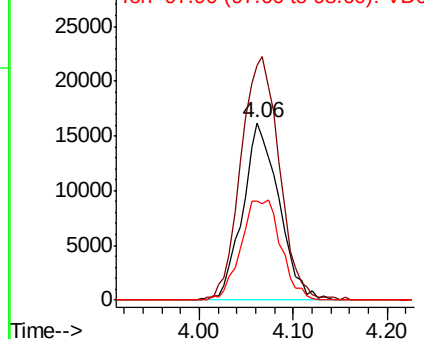
98 55.7 52.4 78.6

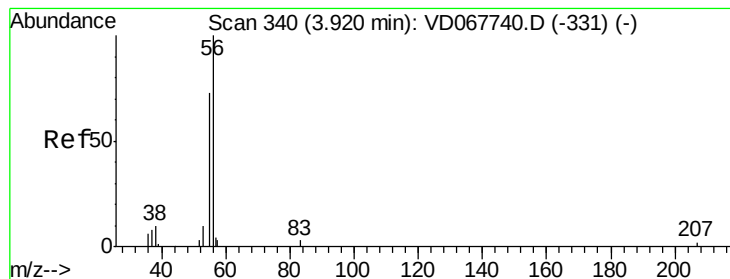


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 106.960 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

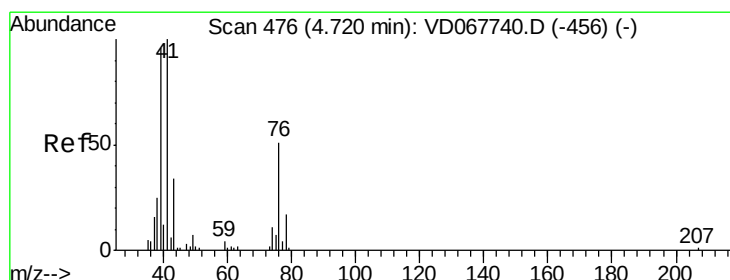
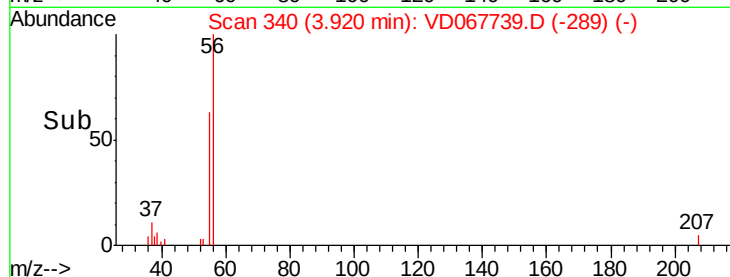
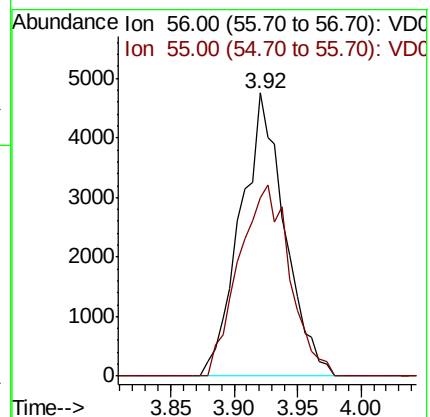
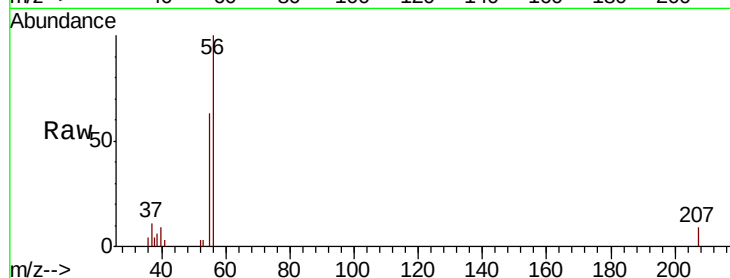
VSTDIC020

Tot Ion: 56 Resp: 11512

Ion Ratio Lower Upper

56 100

55 78.0 61.2 91.8



#14

Allyl chloride

Concen: 18.646 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

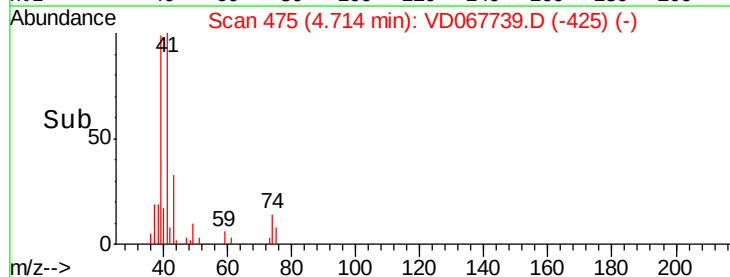
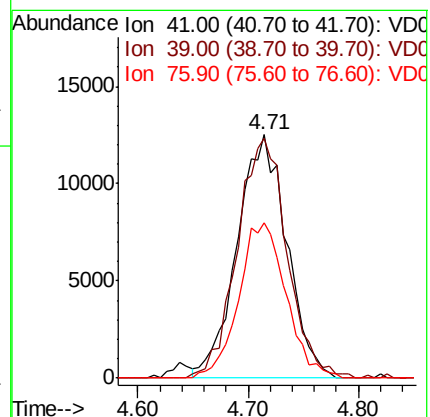
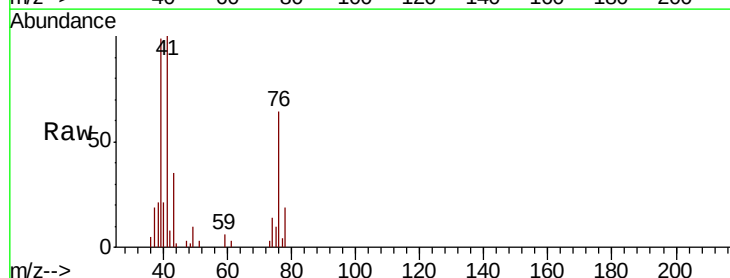
Tgt Ion: 41 Resp: 39411

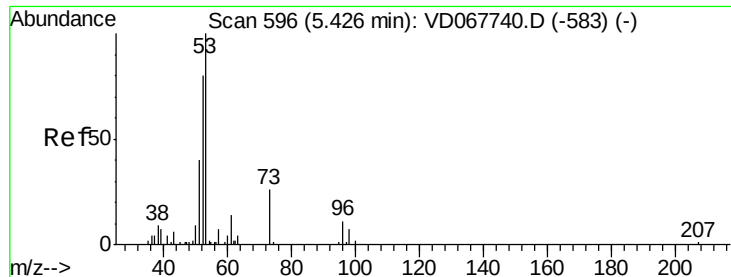
Ion Ratio Lower Upper

41 100

39 99.2 74.6 111.8

76 60.8 43.3 64.9





#15

Acrylonitrile

Concen: 102.521 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

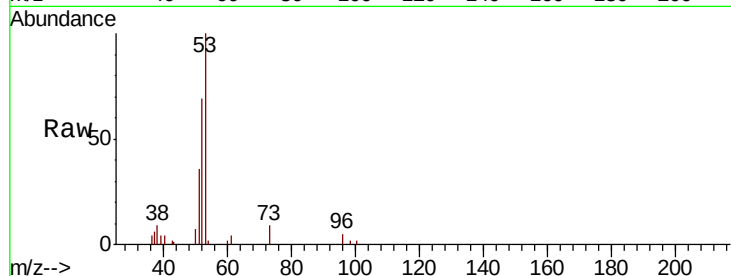
Tot Ion: 53 Resp: 35203

Ion Ratio Lower Upper

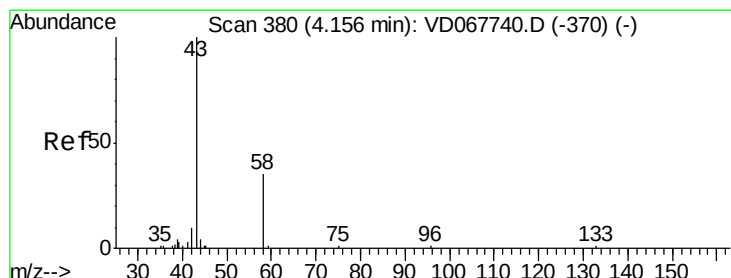
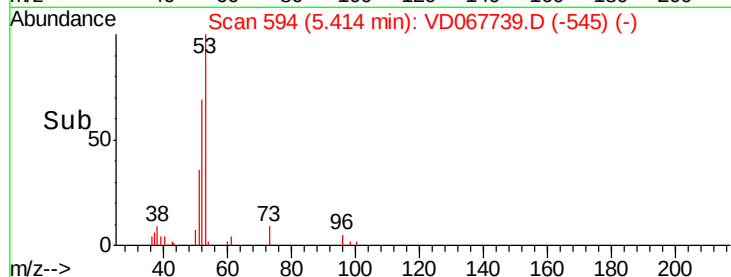
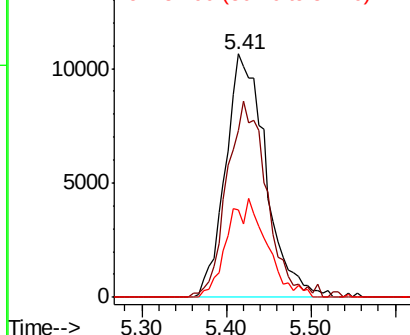
53 100

52 79.7 63.4 95.2

51 18.3 31.4 47.2#



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: 94.625 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067739.D

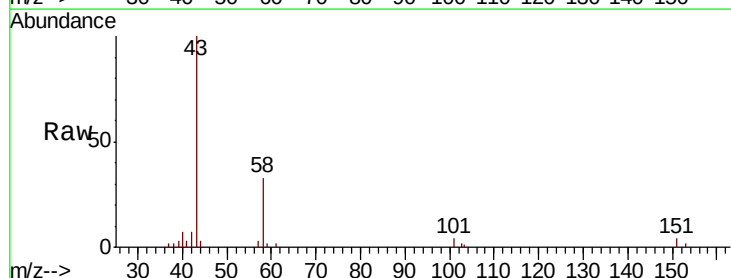
Acq: 23 Nov 2020 11:50

Tgt Ion: 43 Resp: 32684

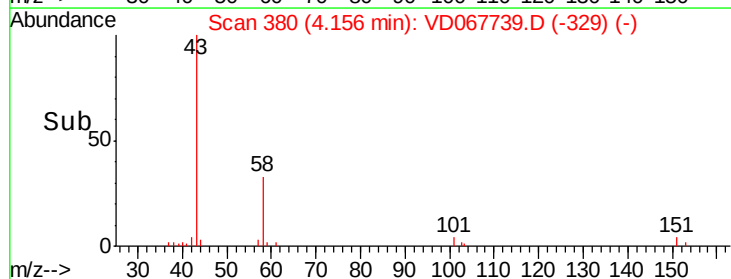
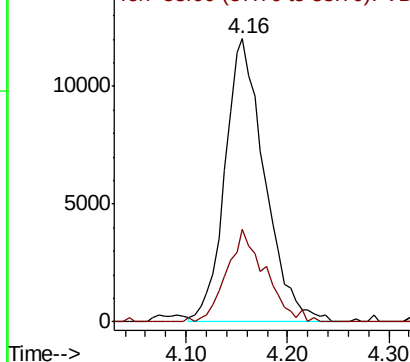
Ion Ratio Lower Upper

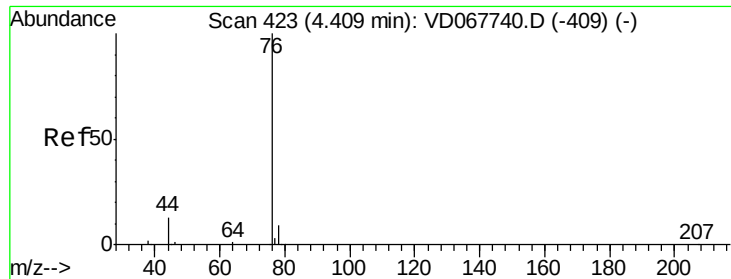
43 100

58 32.7 27.6 41.4



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





#17

Carbon Disulfide

Concen: 19.716 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

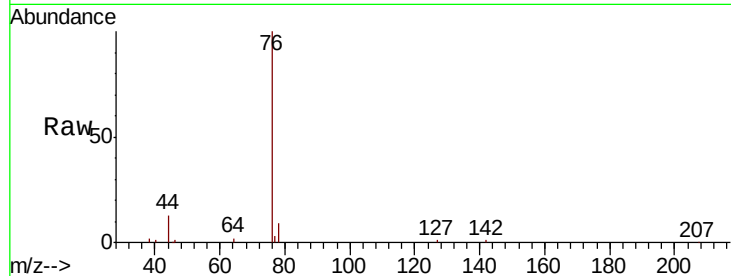
VSTDIC020

Tot Ion: 76 Resp: 127099

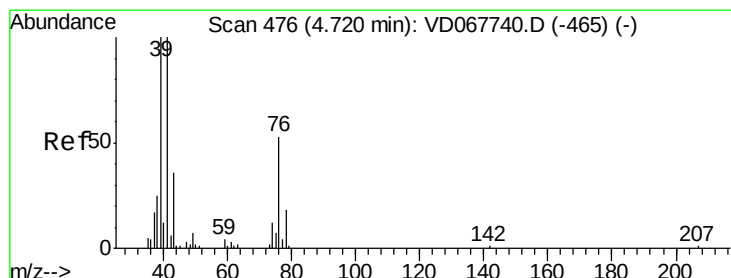
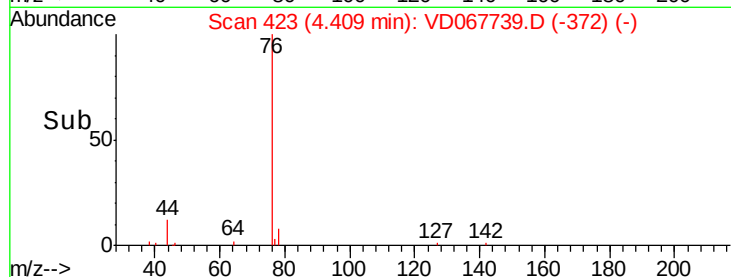
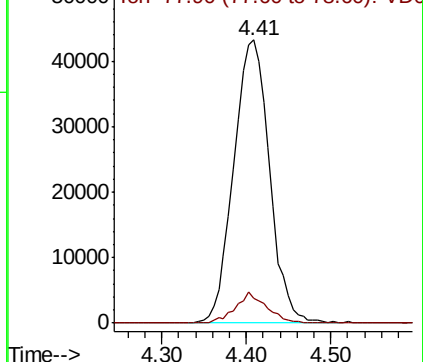
Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.582 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067739.D

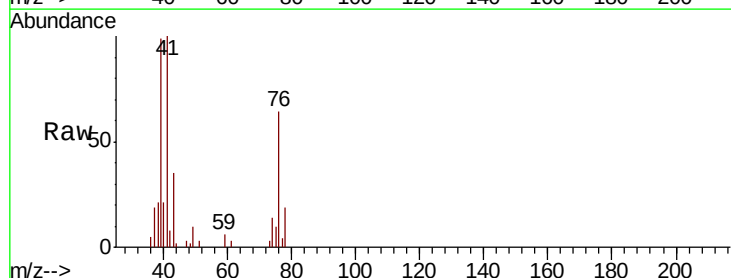
Acq: 23 Nov 2020 11:50

Tgt Ion: 43 Resp: 13053

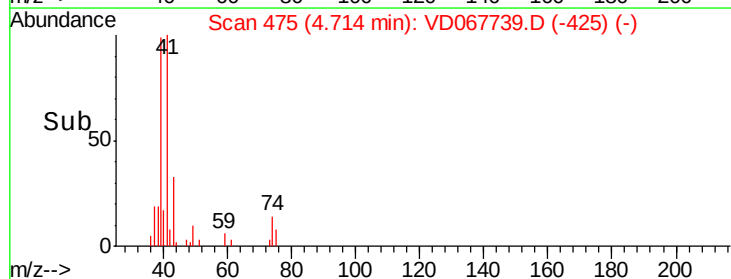
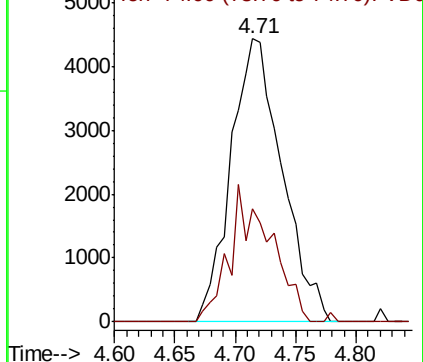
Ion Ratio Lower Upper

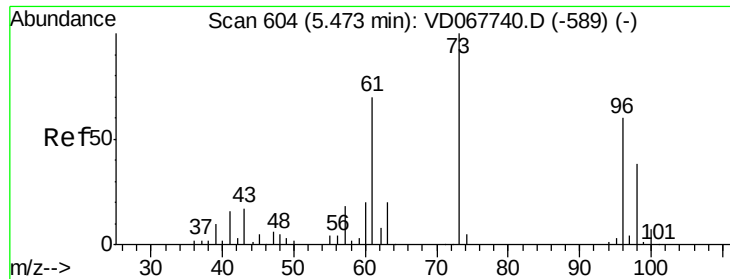
43 100

74 38.7 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

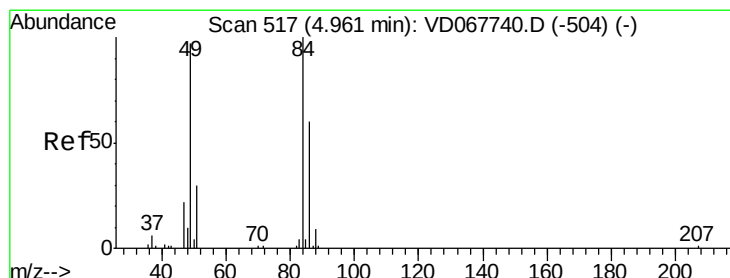
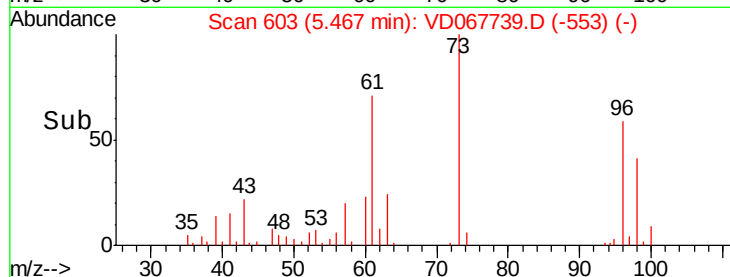
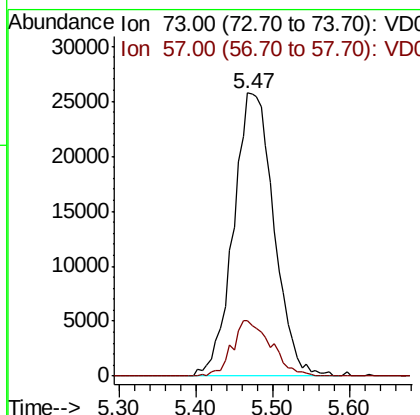
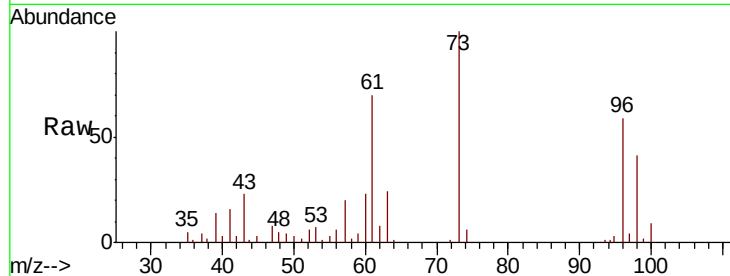




#19
Methyl tert-butyl Ether
Concen: 20.089 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

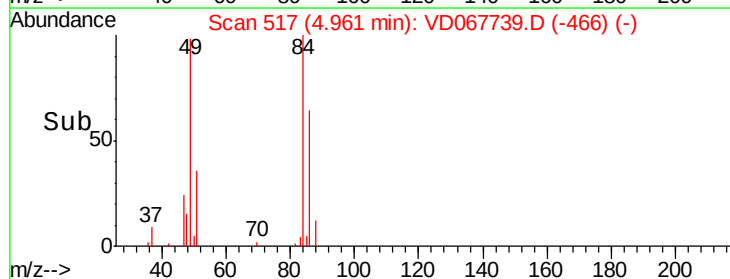
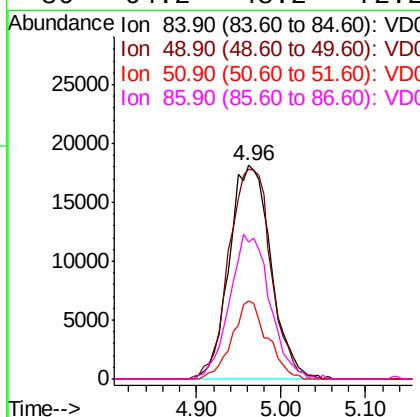
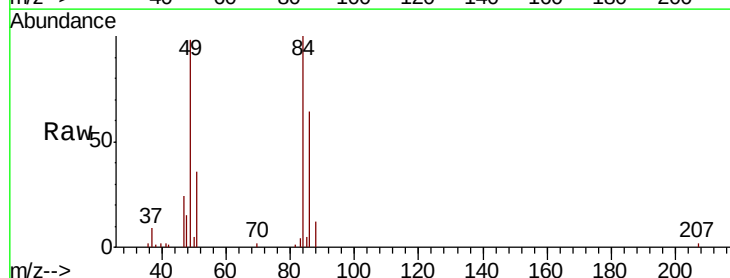
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

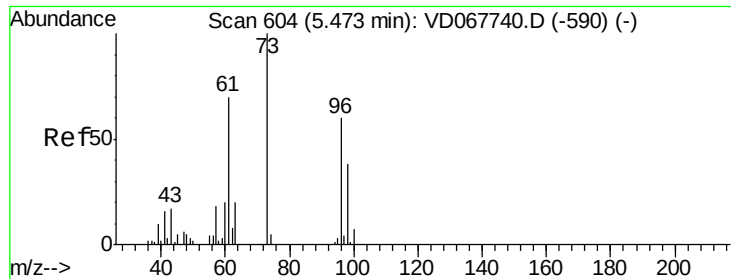
Tot Ion: 73 Resp: 94503
Ion Ratio Lower Upper
73 100
57 19.8 14.8 22.2



#20
Methylene Chloride
Concen: 18.097 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 84 Resp: 61967
Ion Ratio Lower Upper
84 100
49 98.4 77.4 116.2
51 36.5 24.1 36.1#
86 64.2 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 19.879 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

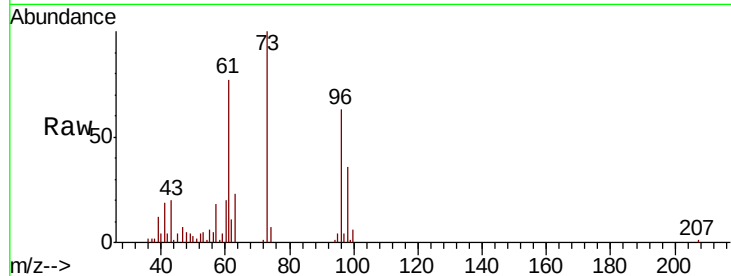
Tot Ion: 96 Resp: 48946

Ion Ratio Lower Upper

96 100

61 121.5 94.0 141.0

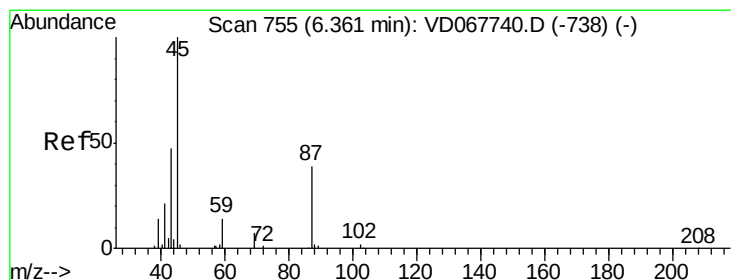
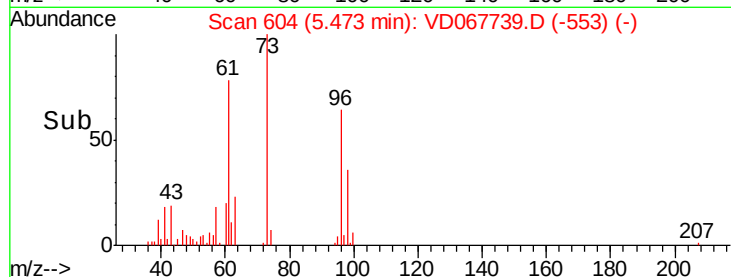
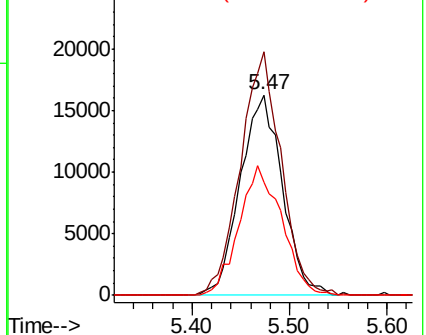
98 56.4 51.3 76.9



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: 20.634 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Tgt Ion: 45 Resp: 85837

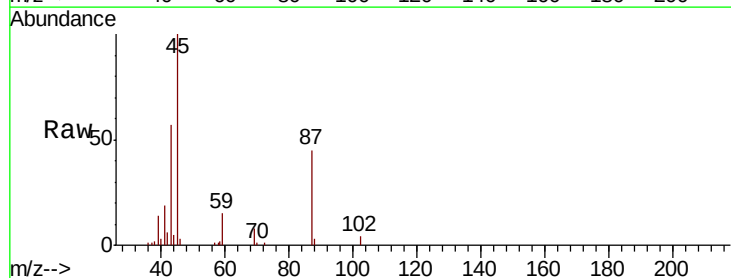
Ion Ratio Lower Upper

45 100

43 55.9 46.8 70.2

87 43.8 32.9 49.3

59 15.0 11.2 16.8

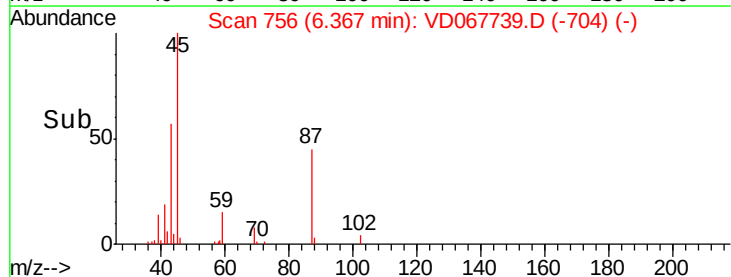
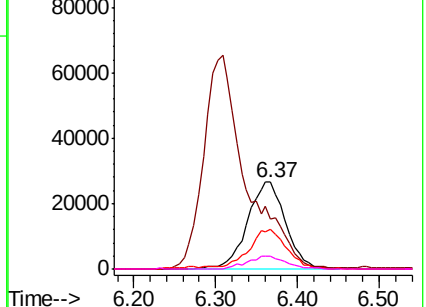


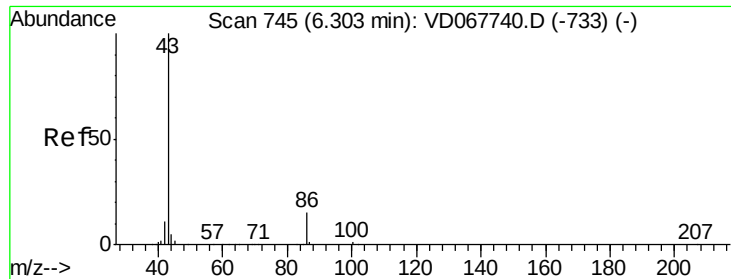
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 100.579 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

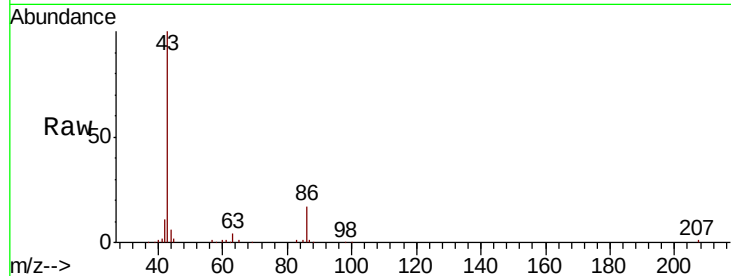
VSTDIC020

Tot Ion: 43 Resp: 237578

Ion Ratio Lower Upper

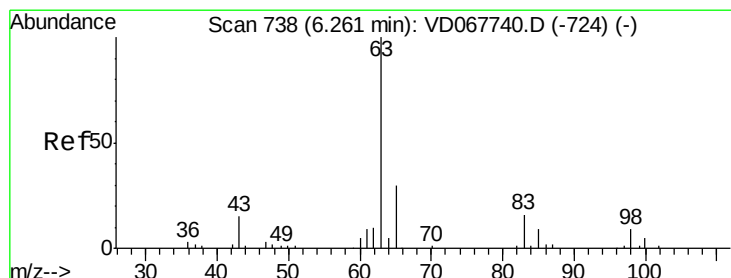
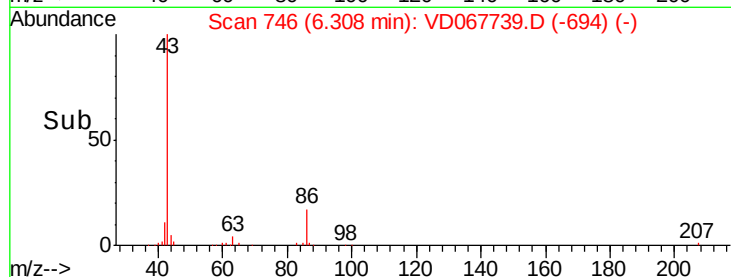
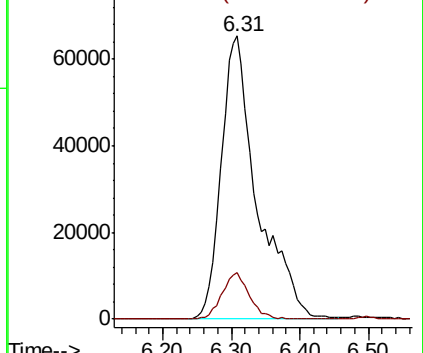
43 100

86 16.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.150 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

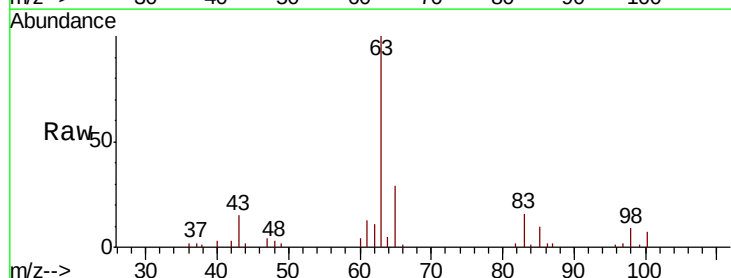
Tgt Ion: 63 Resp: 72540

Ion Ratio Lower Upper

63 100

98 9.3 4.4 13.2

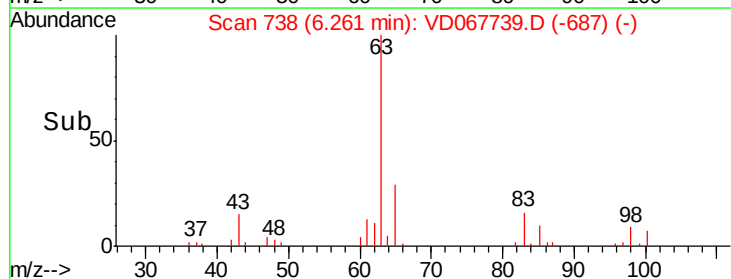
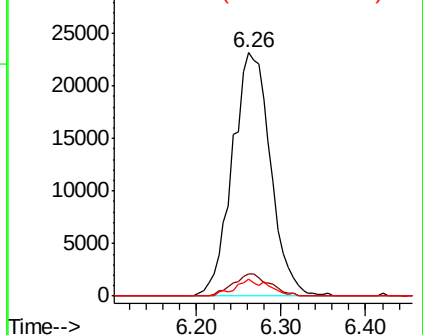
100 6.8 2.6 8.0

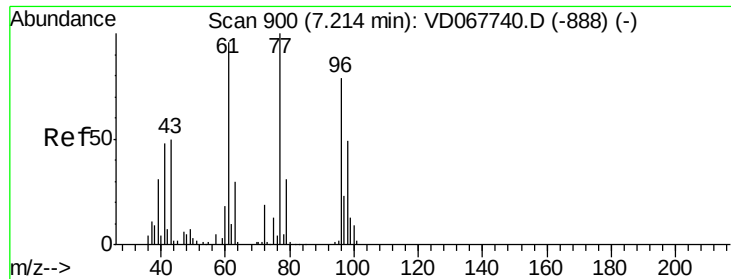


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

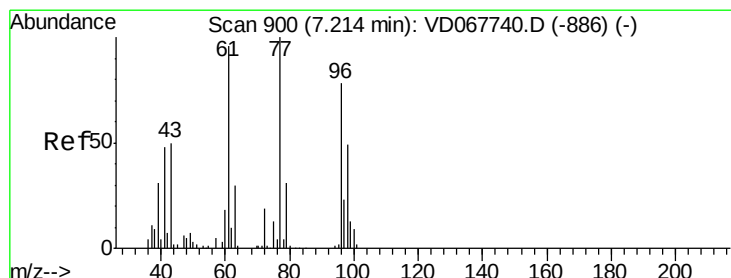
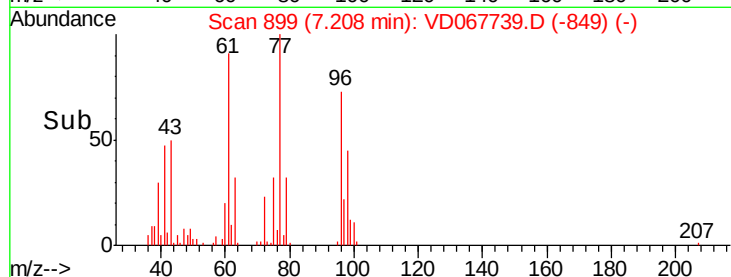
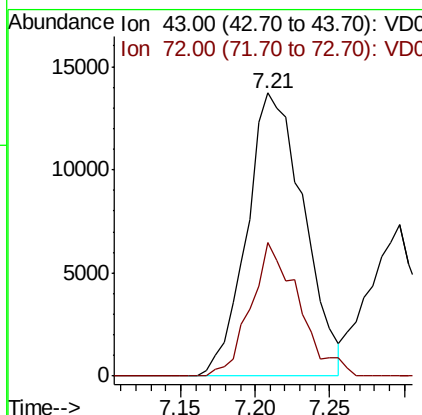
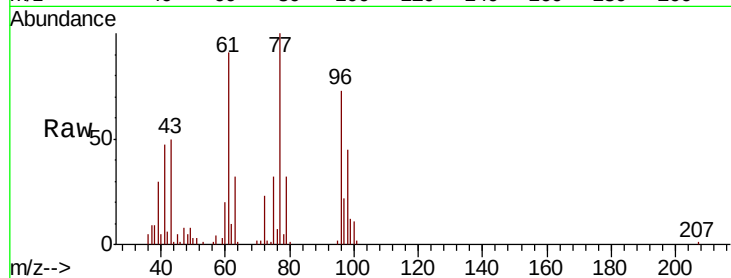




#25
 2-Butanone
 Concen: 98.629 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

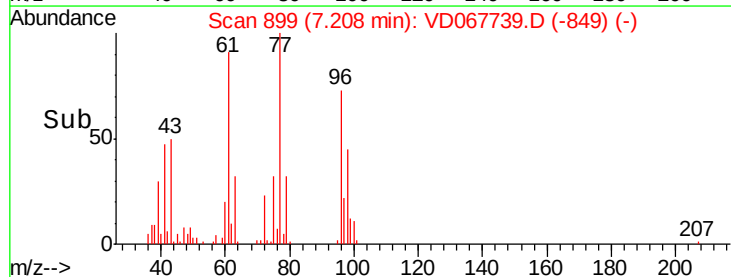
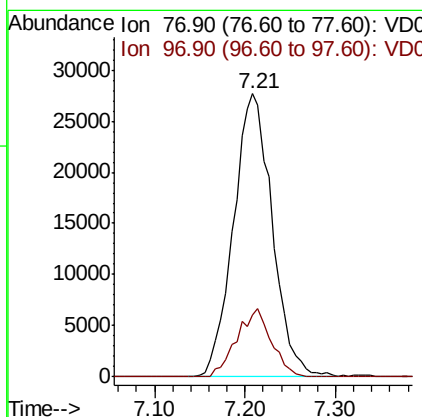
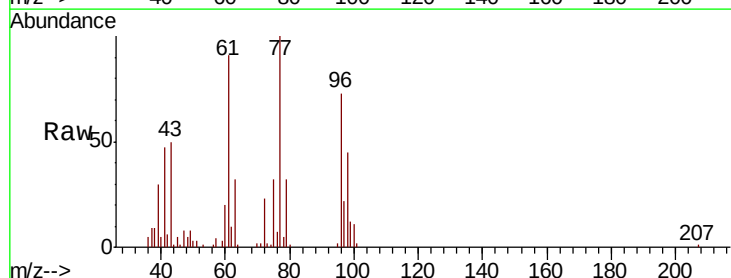
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

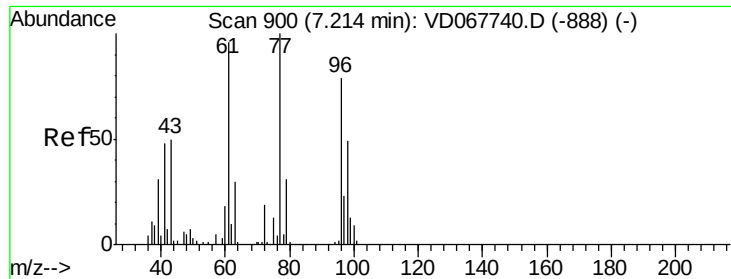
Tot Ion: 43 Resp: 36373
 Ion Ratio Lower Upper
 43 100
 72 47.1 30.8 46.2#



#26
 2,2-Dichloropropane
 Concen: 19.488 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion: 77 Resp: 82143
 Ion Ratio Lower Upper
 77 100
 97 21.4 11.1 33.3

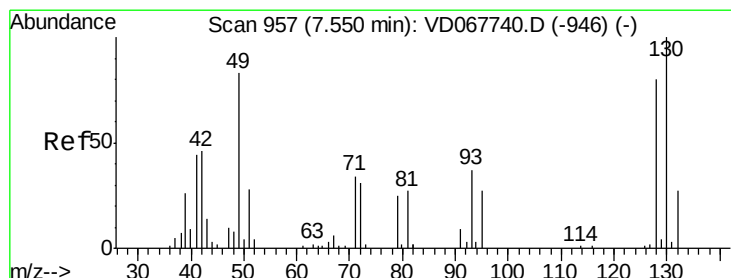
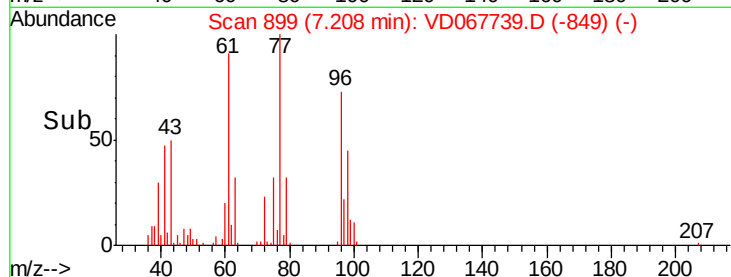
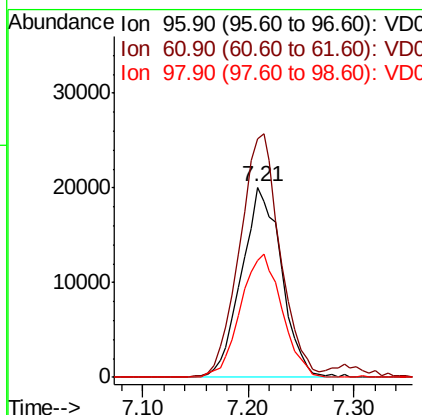
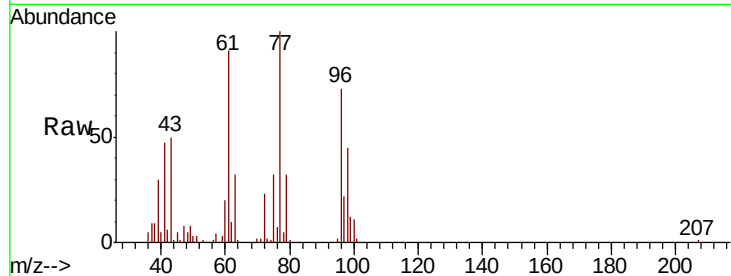




#27
 cis-1,2-Dichloroethene
 Concen: 19.834 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

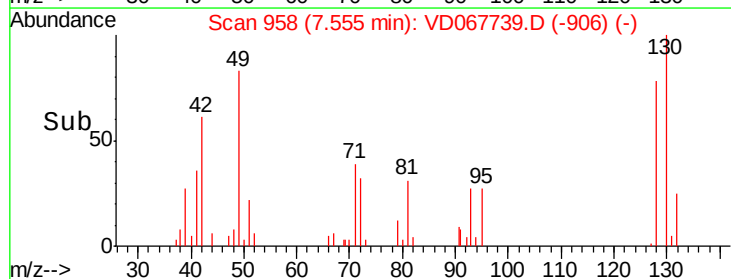
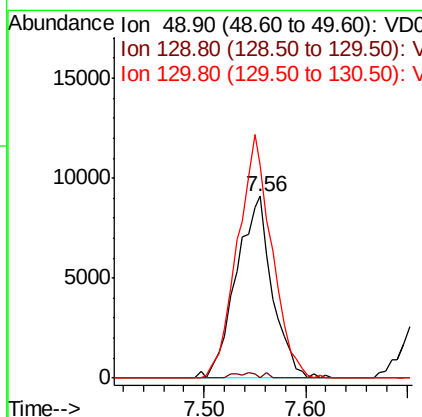
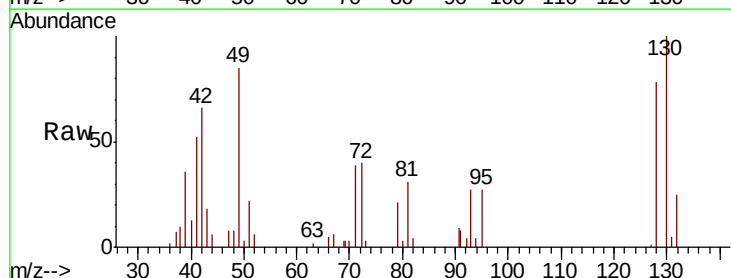
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

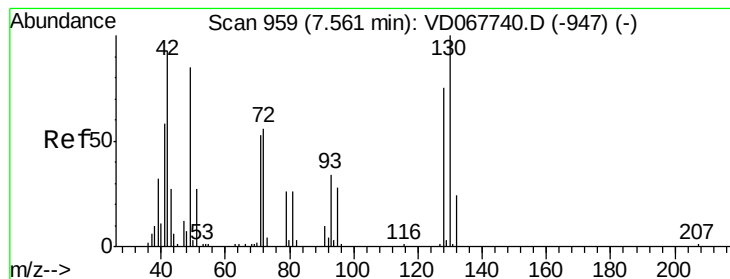
Tot Ion: 96 Resp: 52705
 Ion Ratio Lower Upper
 96 100
 61 130.1 0.0 258.0
 98 67.2 0.0 131.8



#28
 Bromochloromethane
 Concen: 19.490 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion: 49 Resp: 22404
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 7.0
 130 128.1 102.2 153.4





#29

Tetrahydrofuran

Concen: 98.260 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

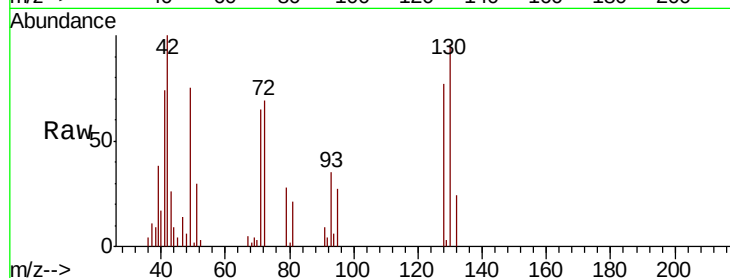
Tot Ion: 42 Resp: 21241

Ion Ratio Lower Upper

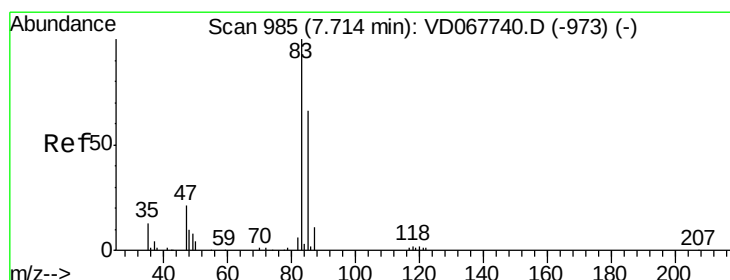
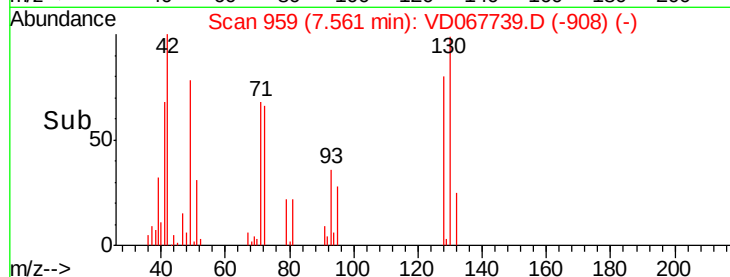
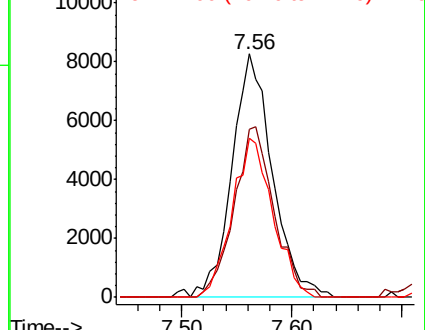
42 100

72 69.2 49.3 73.9

71 65.5 45.9 68.9



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



#30

Chloroform

Concen: 19.726 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD067739.D

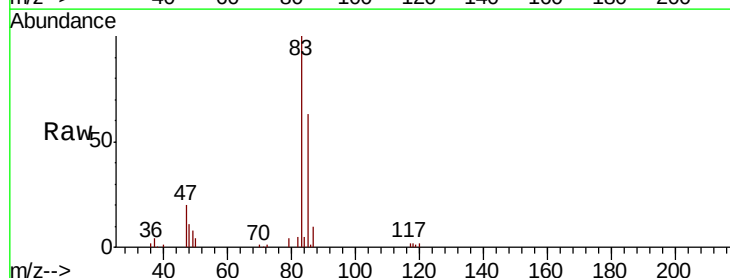
Acq: 23 Nov 2020 11:50

Tgt Ion: 83 Resp: 92096

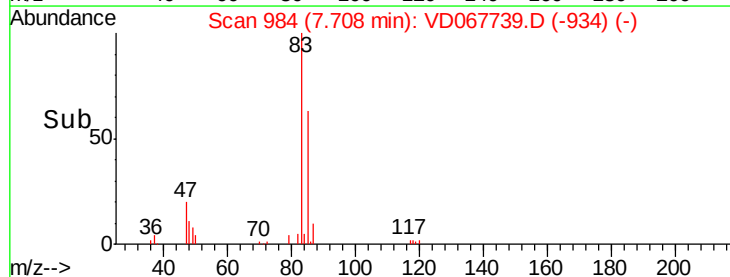
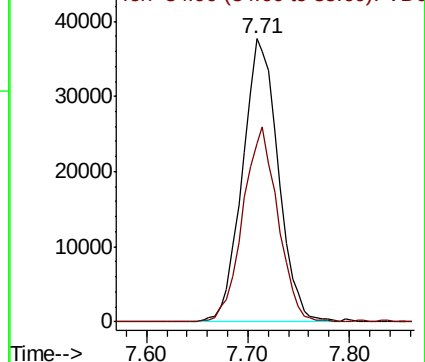
Ion Ratio Lower Upper

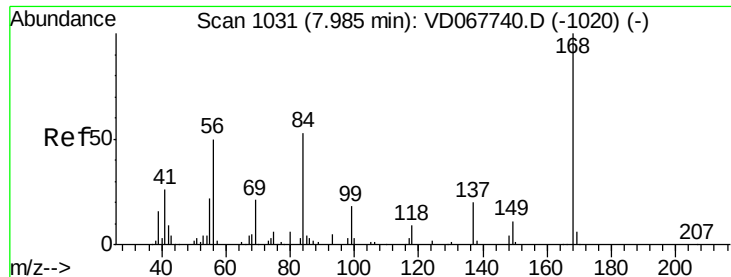
83 100

85 62.8 53.1 79.7



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

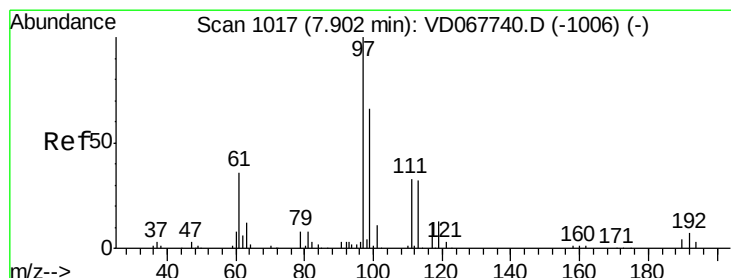
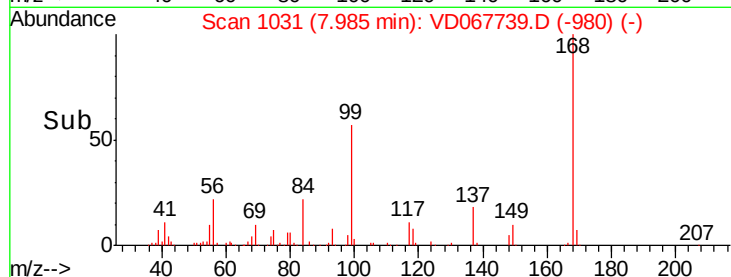
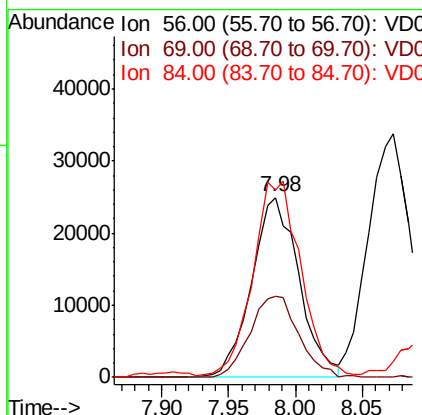
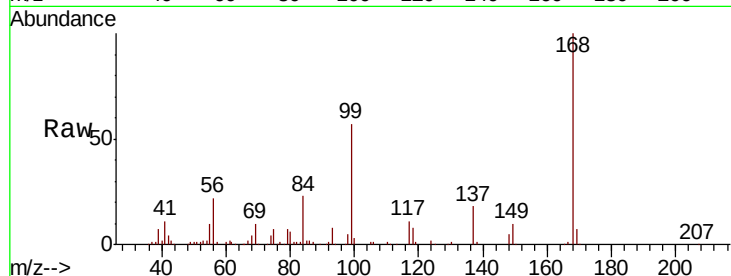




#31
Cyclohexane
Concen: 19.687 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

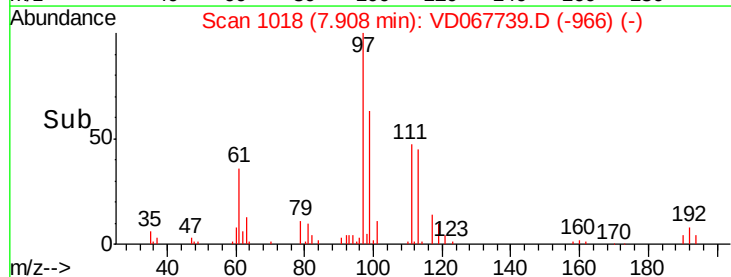
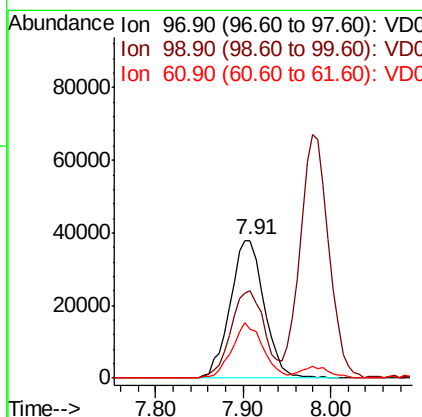
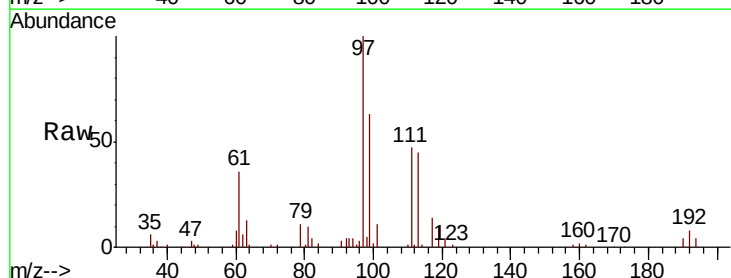
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

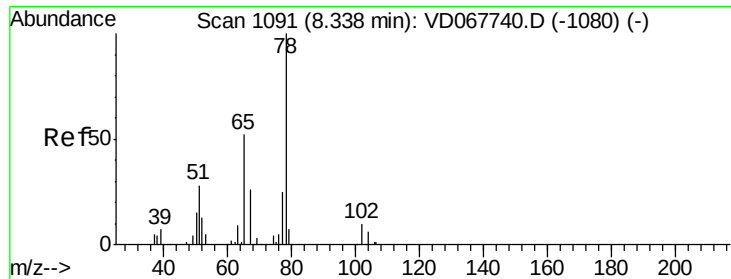
Tot Ion: 56 Resp: 61280
Ion Ratio Lower Upper
56 100
69 45.0 33.2 49.8
84 102.0 84.8 127.2



#32
1,1,1-Trichloroethane
Concen: 20.083 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 97 Resp: 99906
Ion Ratio Lower Upper
97 100
99 63.5 51.1 76.7
61 36.7 29.4 44.2

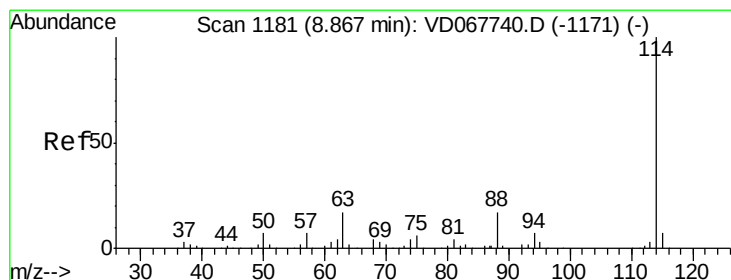
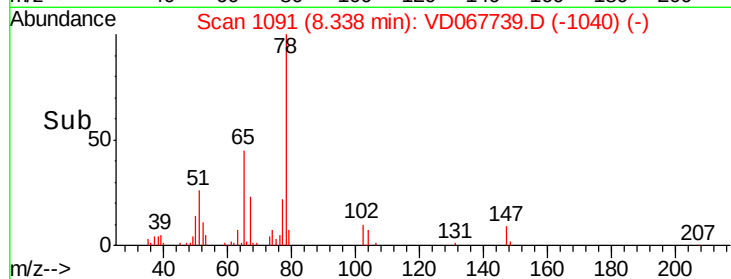
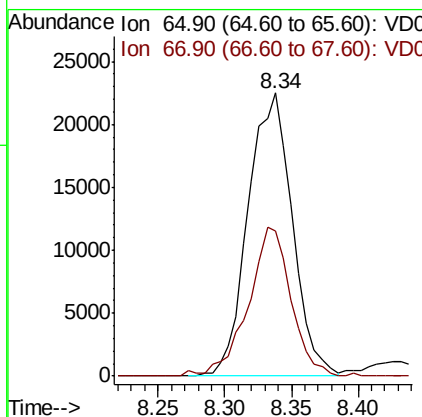
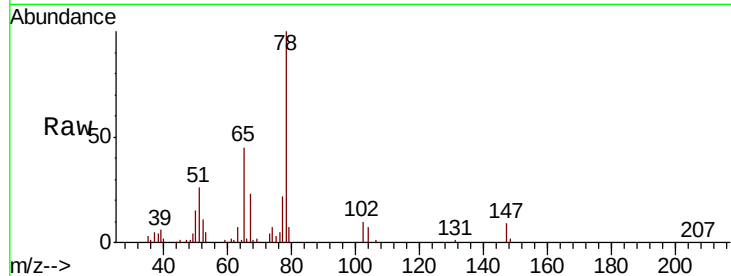




#33
 1,2-Dichloroethane-d4
 Concen: 19.787 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

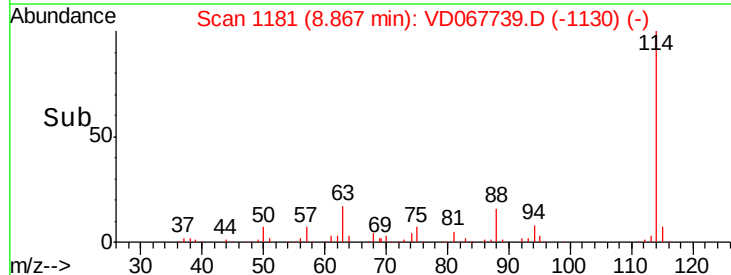
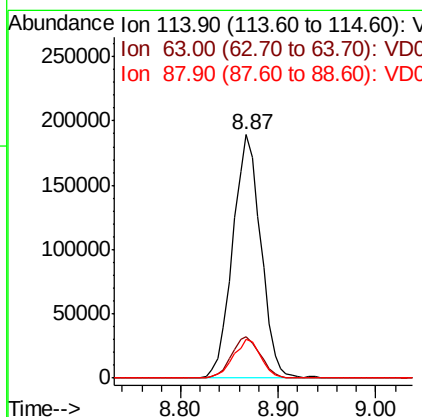
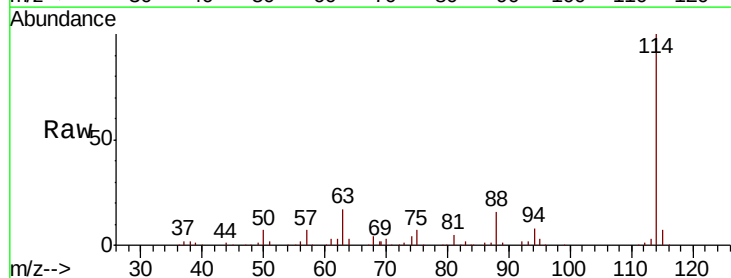
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

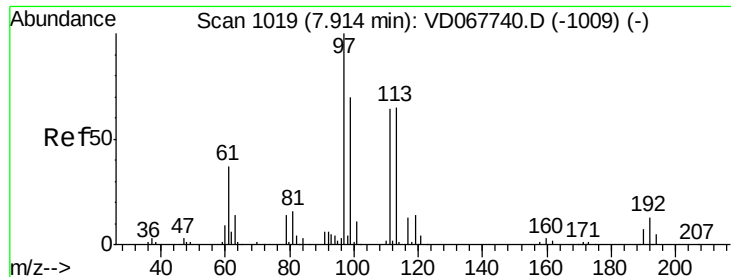
Tot Ion: 65 Resp: 51596
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion: 114 Resp: 379401
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 34.8
 88 16.2 0.0 34.4

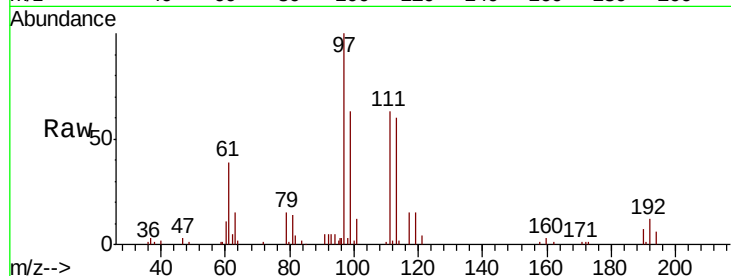




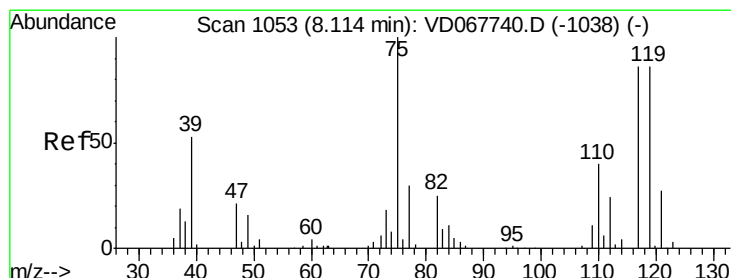
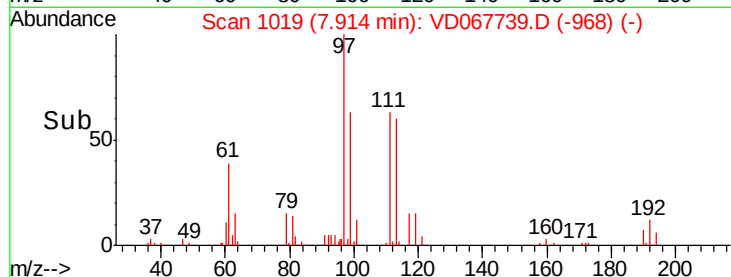
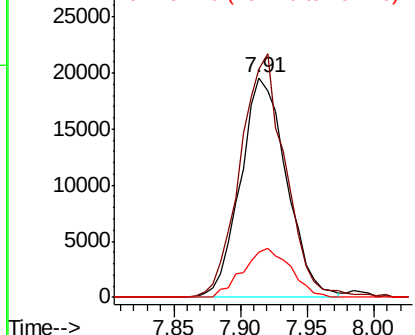
#35
Dibromofluoromethane
Concen: 19.308 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:113 Resp: 46898
Ion Ratio Lower Upper
113 100
111 109.1 81.4 122.0
192 23.0 17.0 25.4

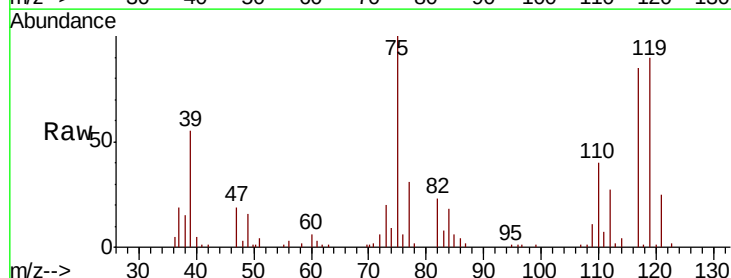


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

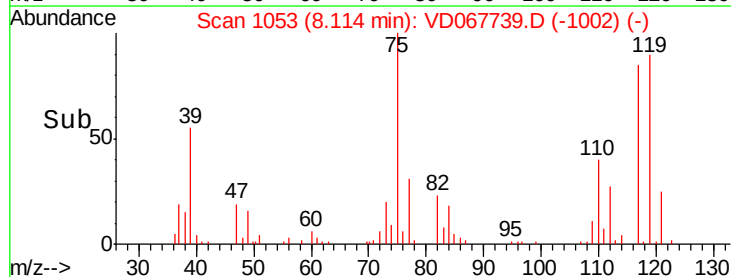
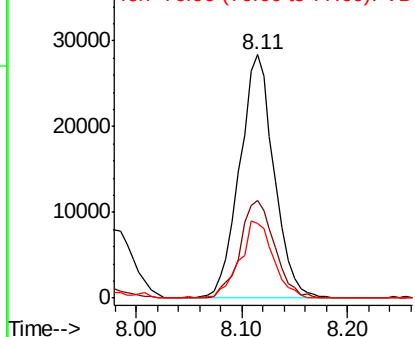


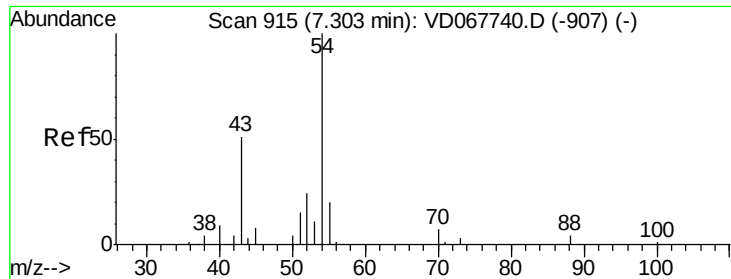
#36
1,1-Dichloropropene
Concen: 19.585 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 75 Resp: 64326
Ion Ratio Lower Upper
75 100
110 40.0 20.1 60.2
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

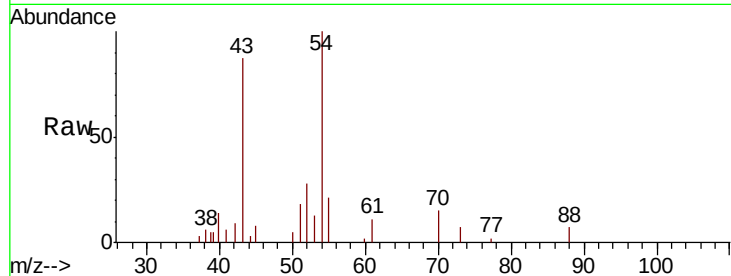




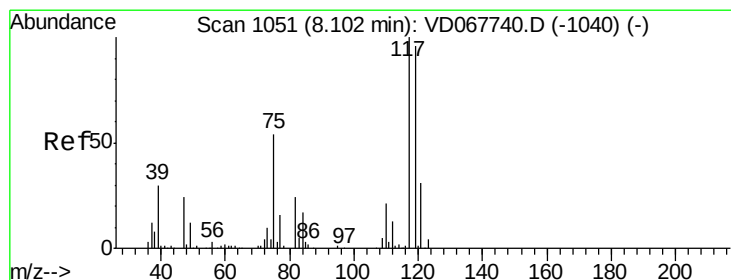
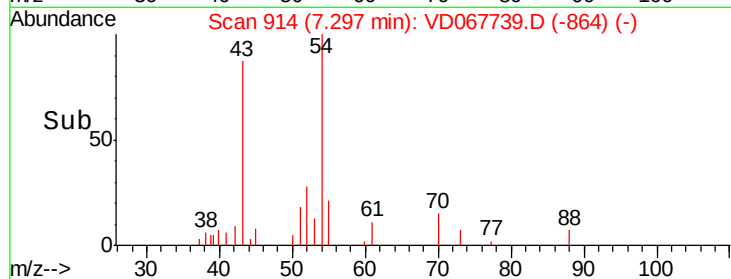
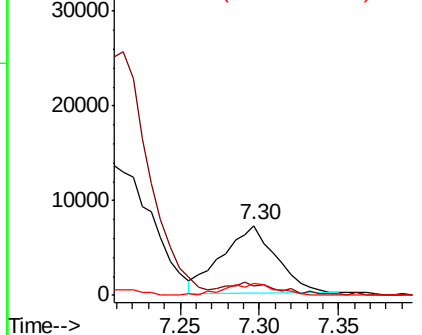
#37
Ethyl Acetate
Concen: 19.561 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 16877
Ion Ratio Lower Upper
43 100
61 19.2 12.9 19.3
70 16.4 12.2 18.2

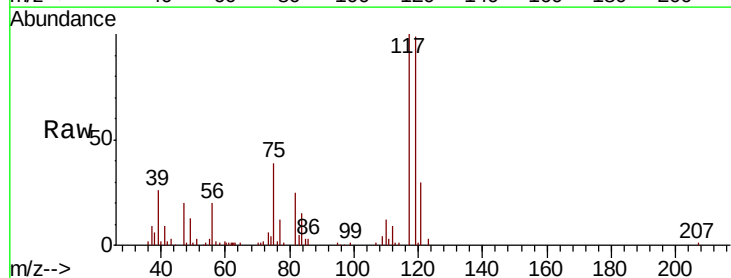


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

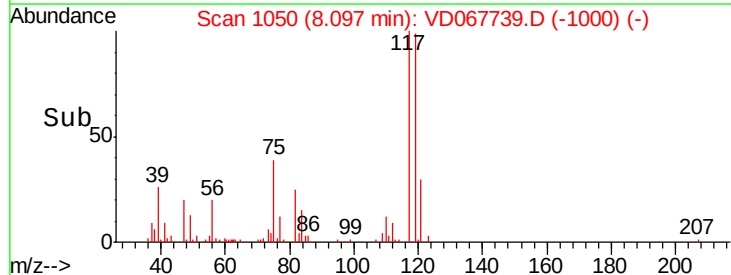
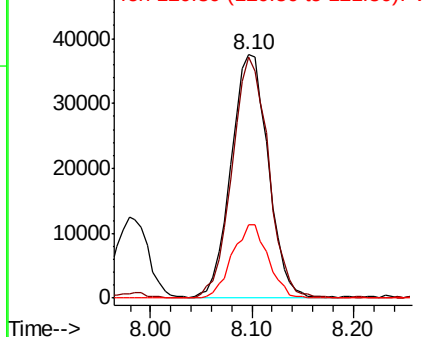


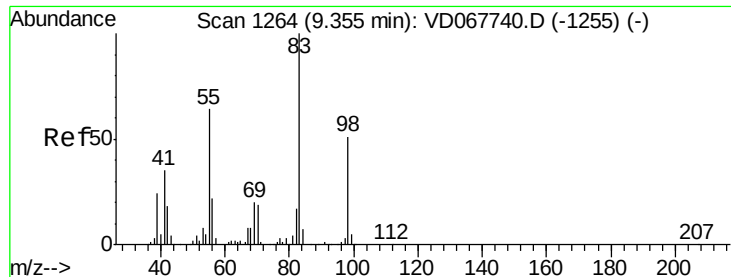
#38
Carbon Tetrachloride
Concen: 19.874 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 117 Resp: 95781
Ion Ratio Lower Upper
117 100
119 99.3 76.6 115.0
121 30.1 24.5 36.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

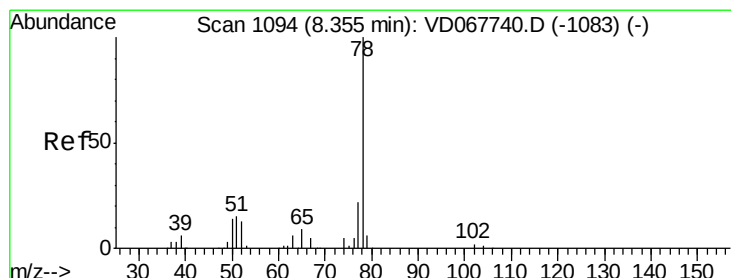
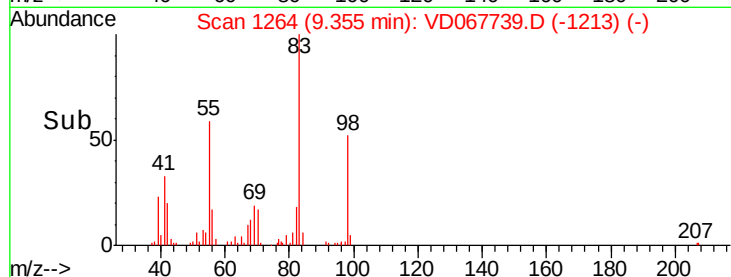
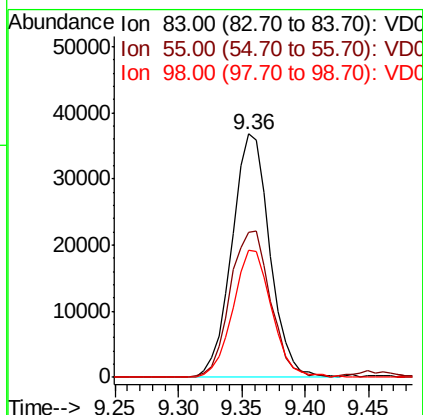
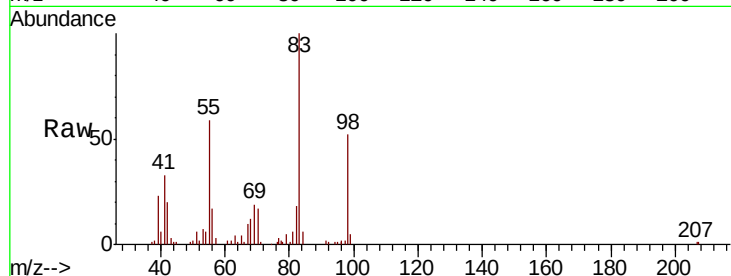




#39
Methylvlcyclohexane
Concen: 19.528 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

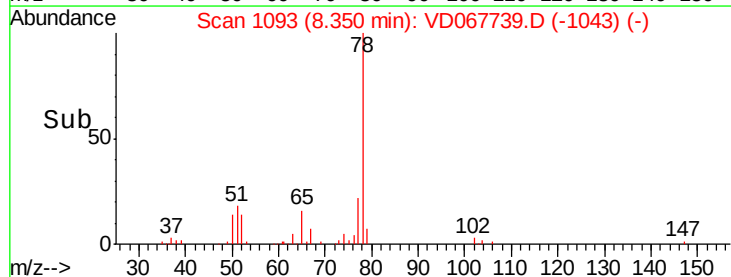
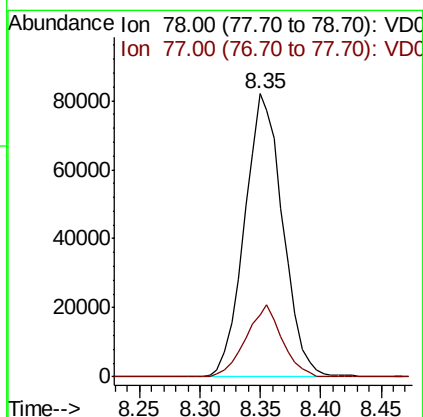
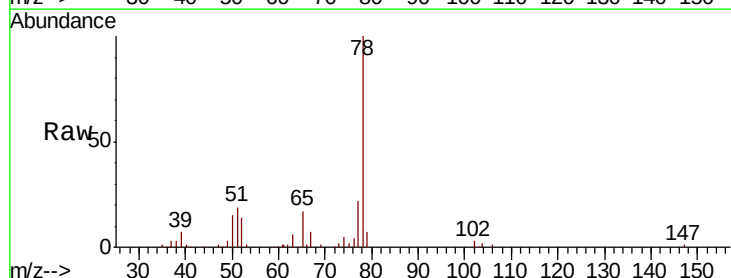
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

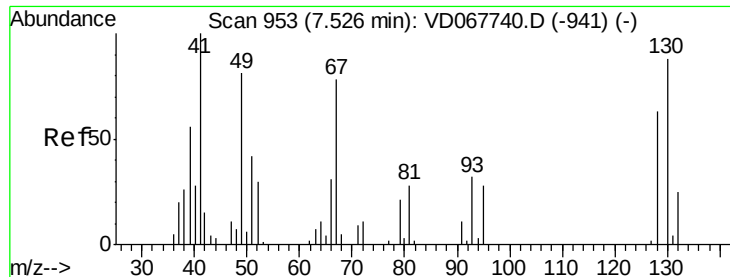
Tot Ion: 83 Resp: 76171
Ion Ratio Lower Upper
83 100
55 59.3 51.0 76.4
98 52.3 40.4 60.6



#40
Benzene
Concen: 20.018 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 78 Resp: 181329
Ion Ratio Lower Upper
78 100
77 22.0 17.8 26.6

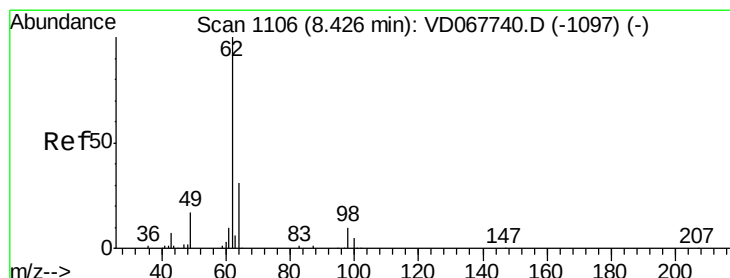
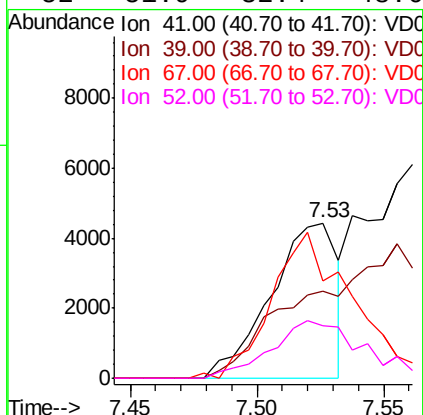
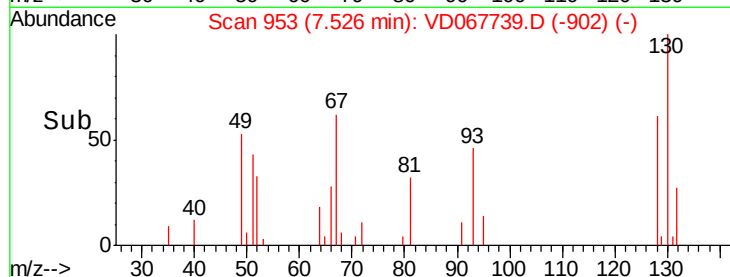
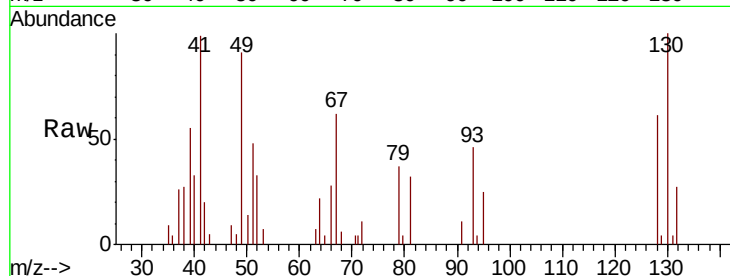




#41
Methacrylonitrile
Concen: 20.336 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

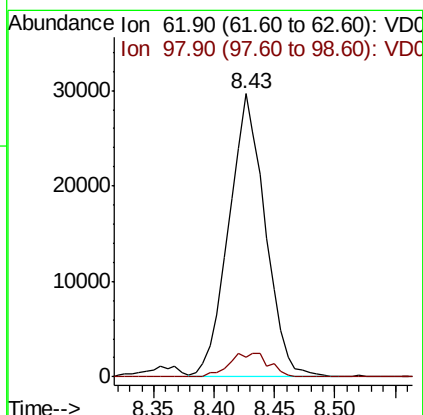
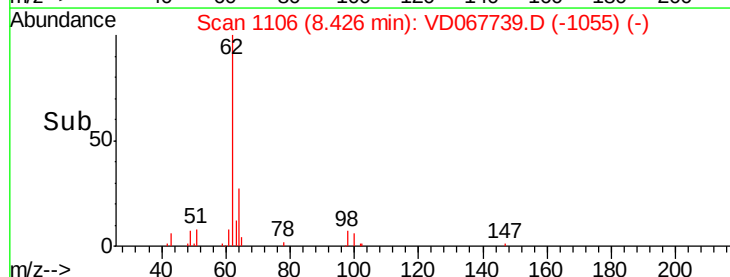
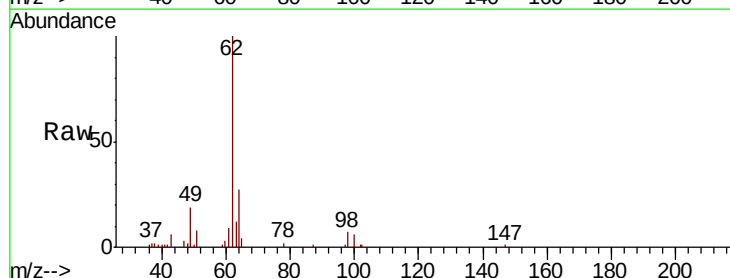
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

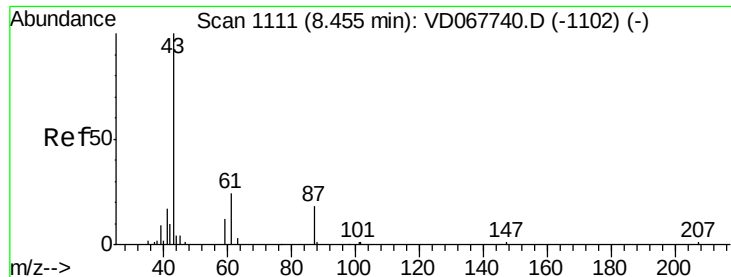
Tot Ion: 41 Resp: 8149
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.4#
67 113.7 79.0 118.6
52 51.9 32.4 48.6#



#42
1,2-Dichloroethane
Concen: 20.471 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 62 Resp: 62295
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.2





#43

Isopropyl Acetate

Concen: 19.852 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

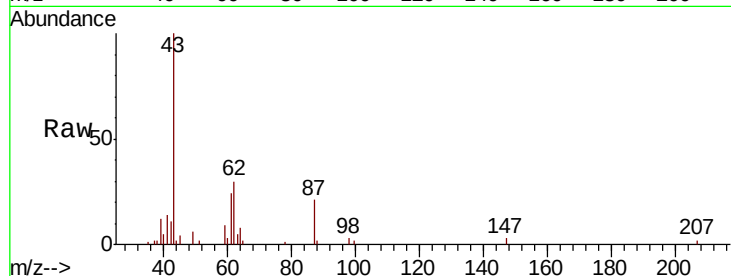
Tot Ion: 43 Resp: 34658

Ion Ratio Lower Upper

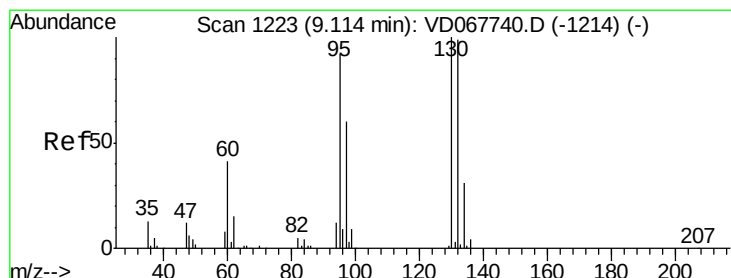
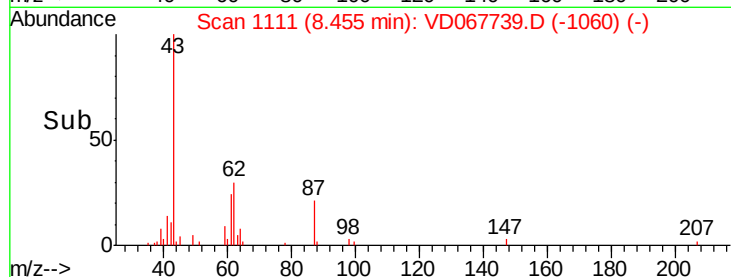
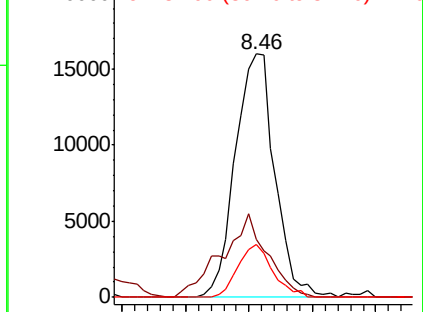
43 100

61 39.3 30.2 45.4

87 19.0 14.2 21.4



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: 19.809 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD067739.D

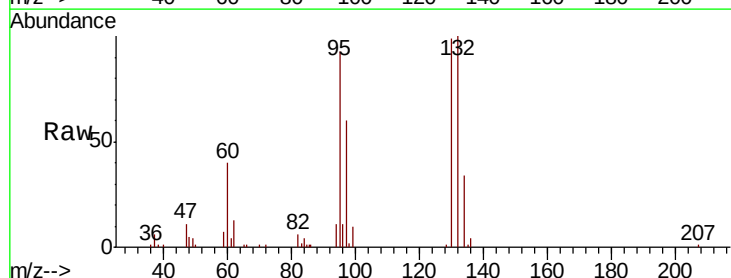
Acq: 23 Nov 2020 11:50

Tgt Ion:130 Resp: 59822

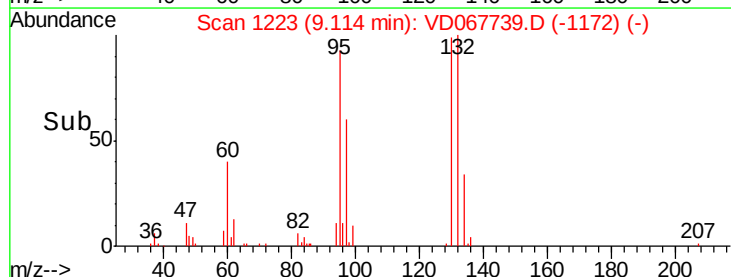
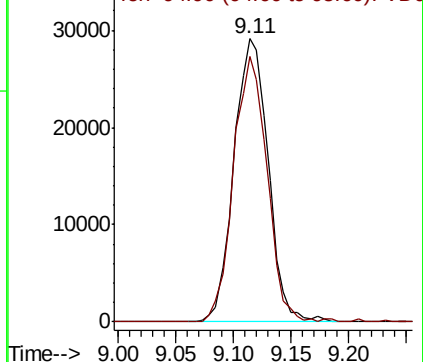
Ion Ratio Lower Upper

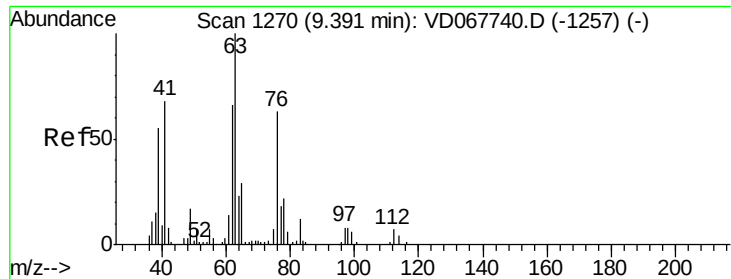
130 100

95 93.7 0.0 184.2



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

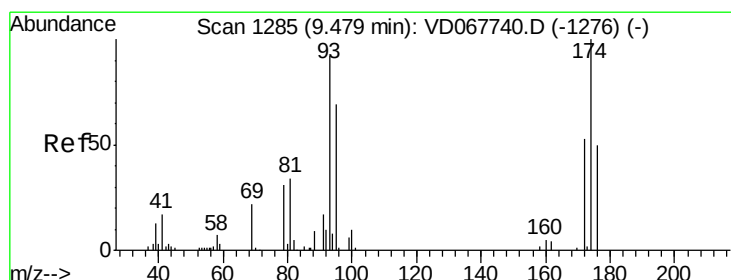
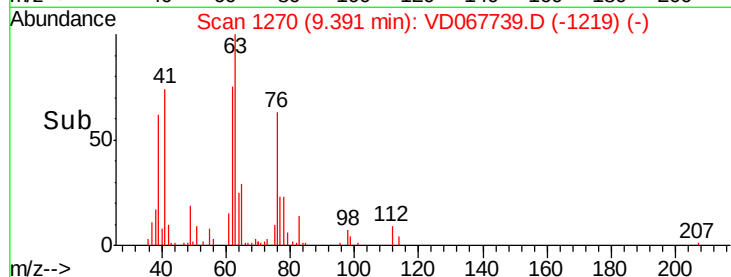
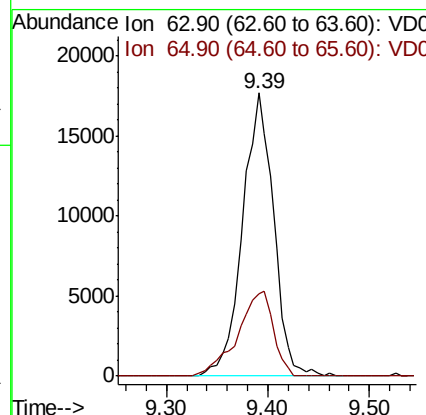
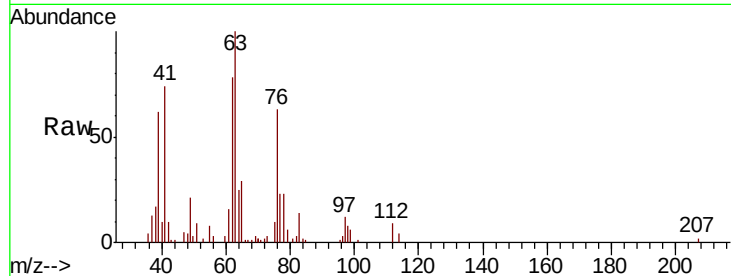




#45
 1,2-Dichloropropane
 Concen: 20.427 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

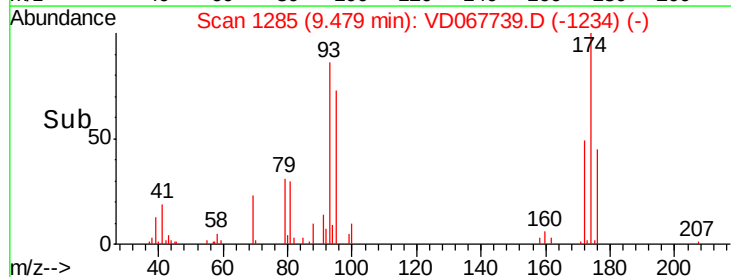
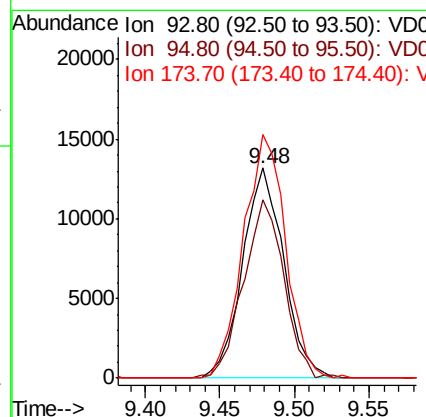
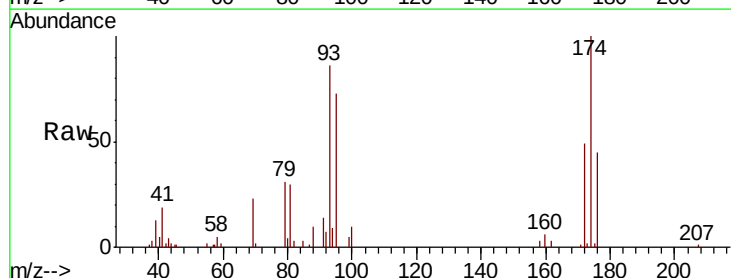
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

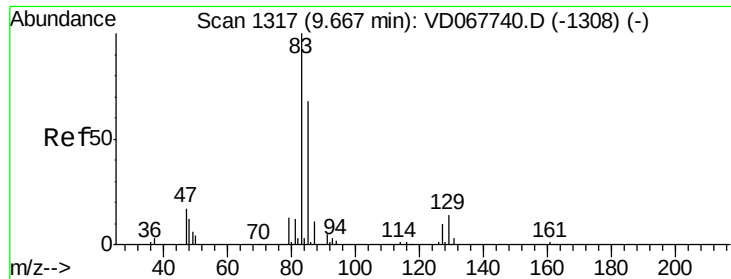
Tot Ion: 63 Resp: 37620
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.1 34.7



#46
 Dibromomethane
 Concen: 20.301 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion: 93 Resp: 25111
 Ion Ratio Lower Upper
 93 100
 95 83.5 63.4 95.2
 174 119.4 89.6 134.4

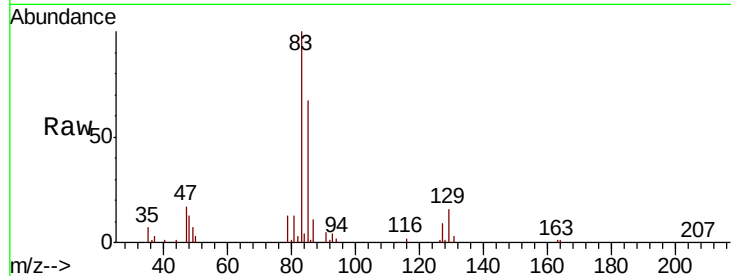




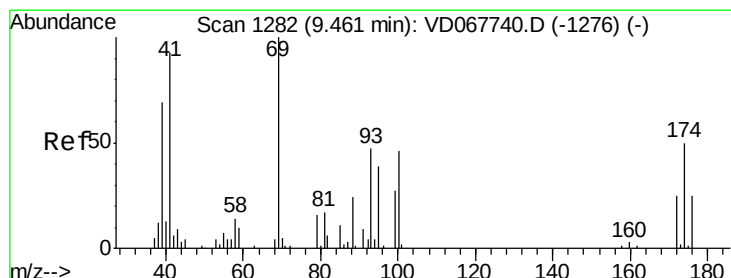
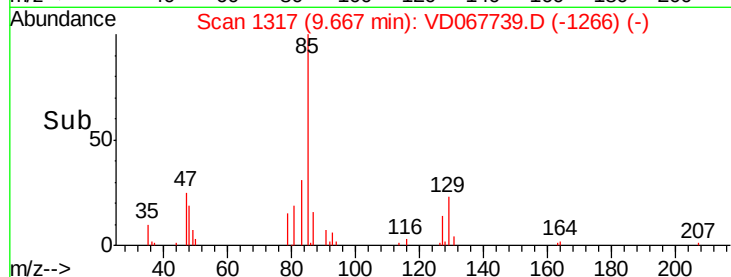
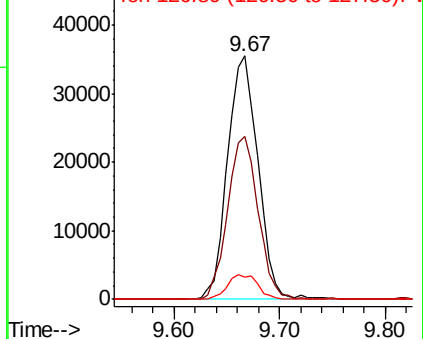
#47
Bromodichloromethane
Concen: 20.265 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 70851
Ion Ratio Lower Upper
83 100
85 67.0 54.2 81.2
127 9.1 7.6 11.4

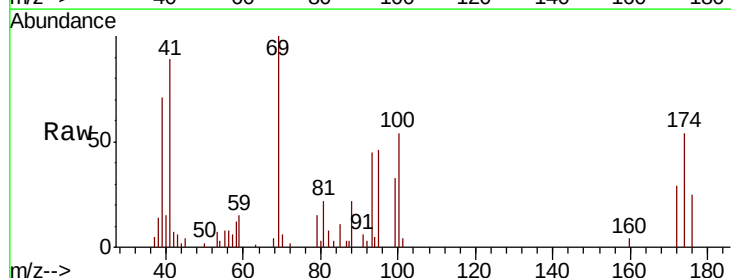


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

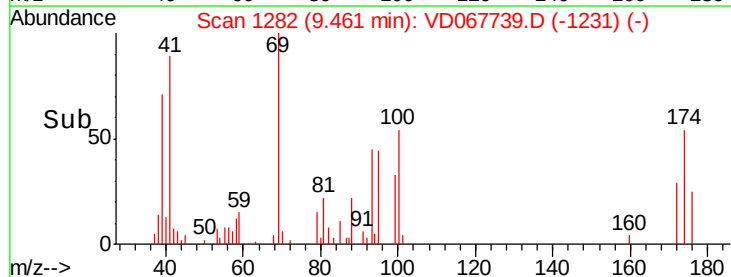
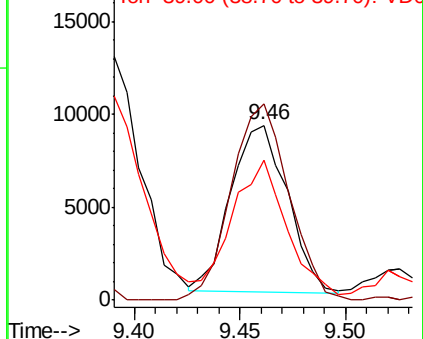


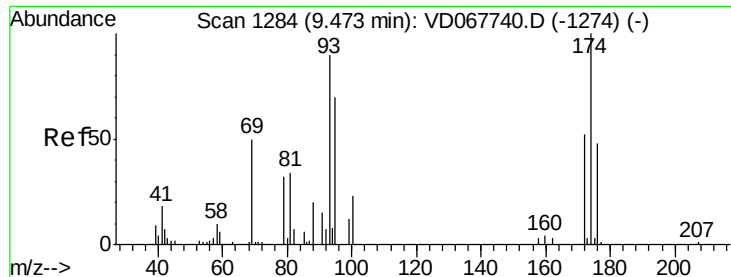
#48
Methyl methacrylate
Concen: 19.354 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 41 Resp: 16738
Ion Ratio Lower Upper
41 100
69 119.8 87.8 131.6
39 83.9 60.5 90.7



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

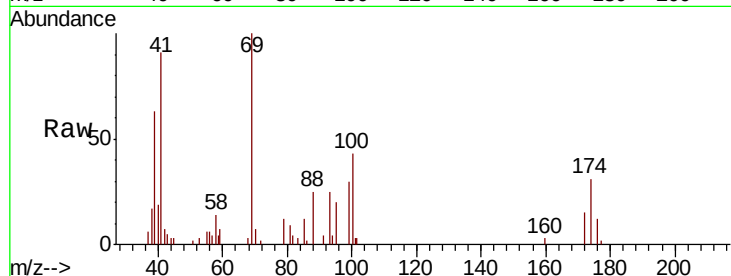




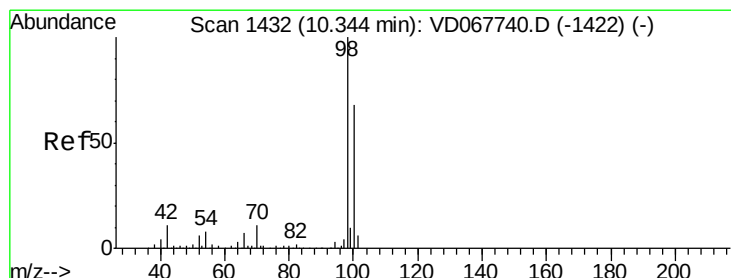
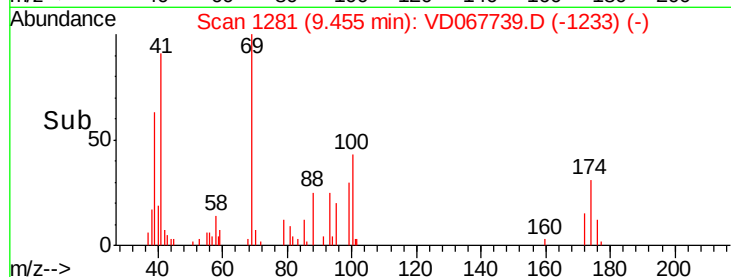
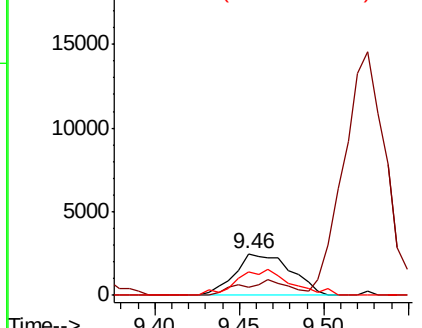
#49
1,4-Dioxane
Concen: 426.957 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.02 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 5728
Ion Ratio Lower Upper
88 100
43 32.3 25.2 37.8
58 59.4 48.2 72.2

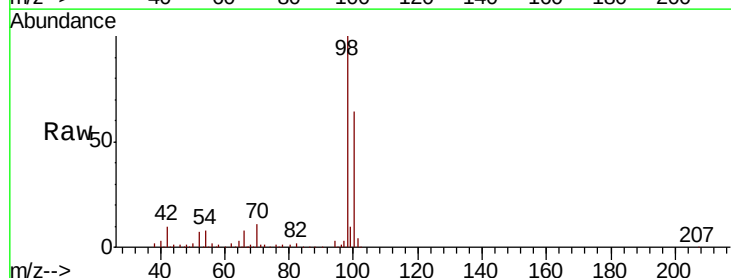


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

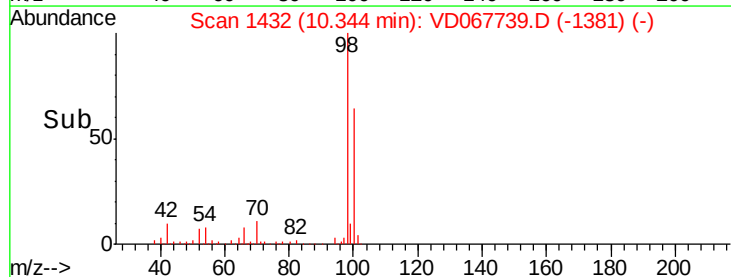
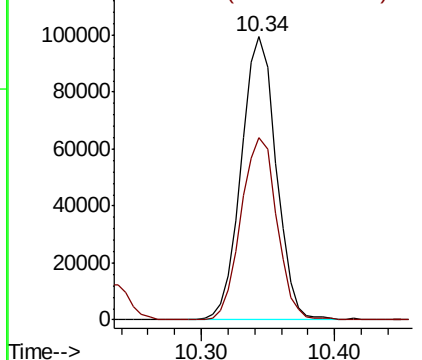


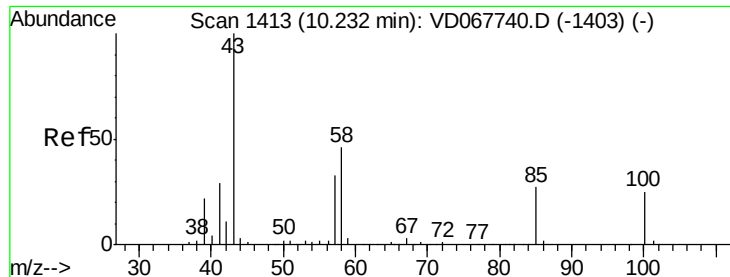
#50
Toluene-d8
Concen: 20.418 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 98 Resp: 180002
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

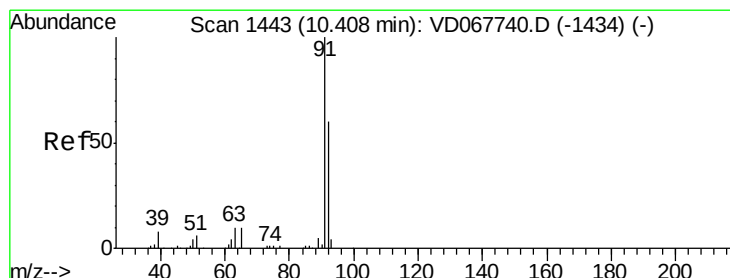
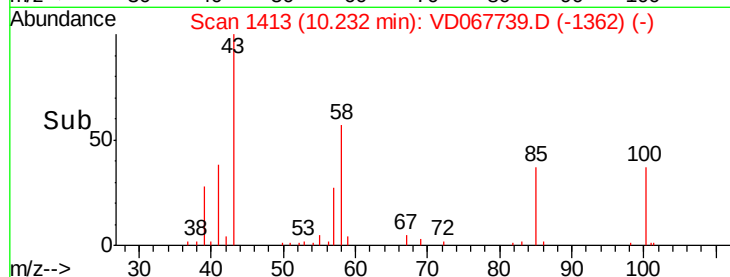
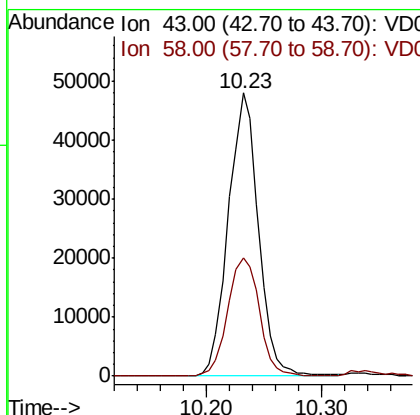
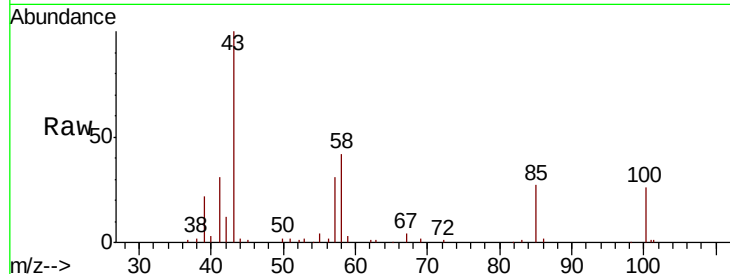




#51
4-Methyl-2-Pentanone
Concen: 106.104 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

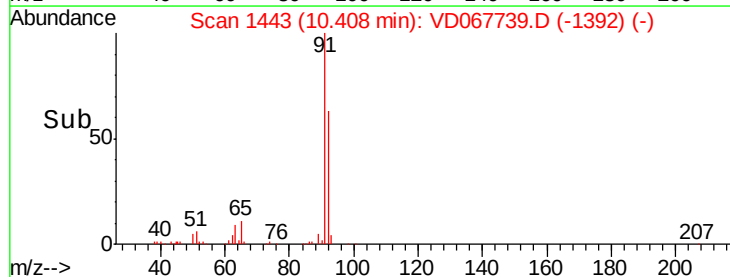
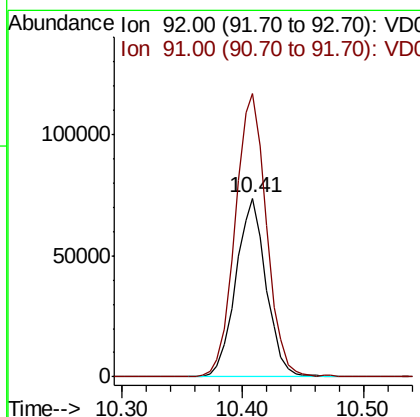
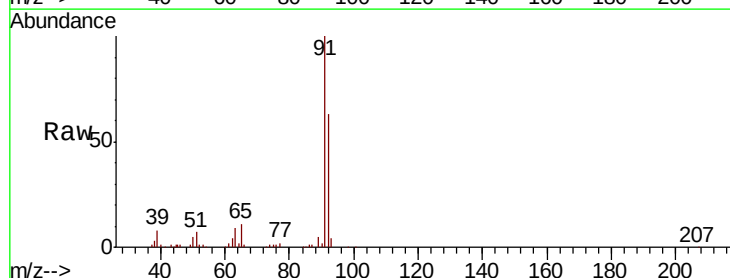
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

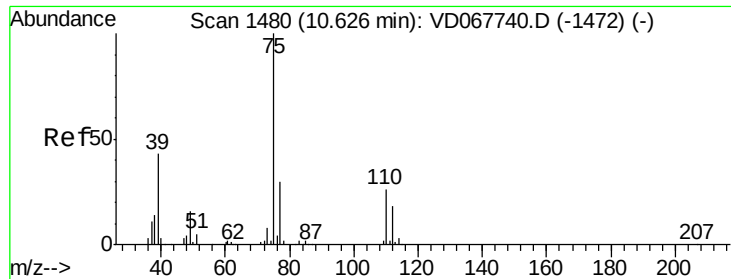
Tot Ion: 43 Resp: 86432
Ion Ratio Lower Upper
43 100
58 44.1 34.7 52.1



#52
Toluene
Concen: 21.137 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 92 Resp: 129156
Ion Ratio Lower Upper
92 100
91 162.9 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 20.449 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

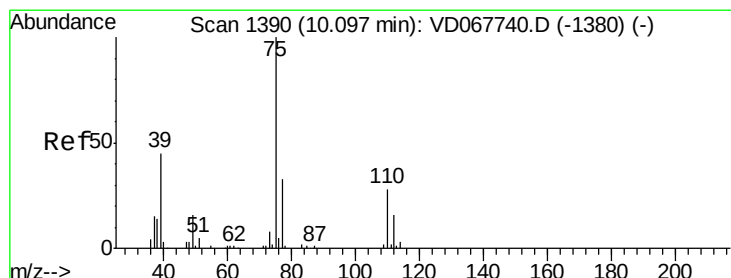
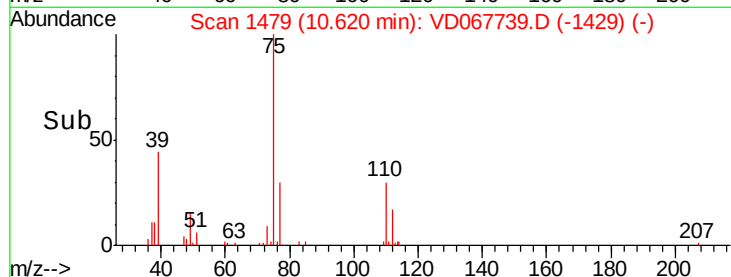
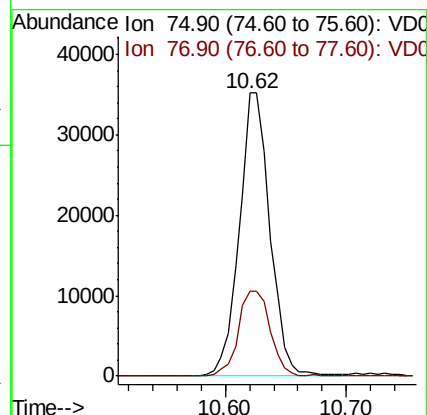
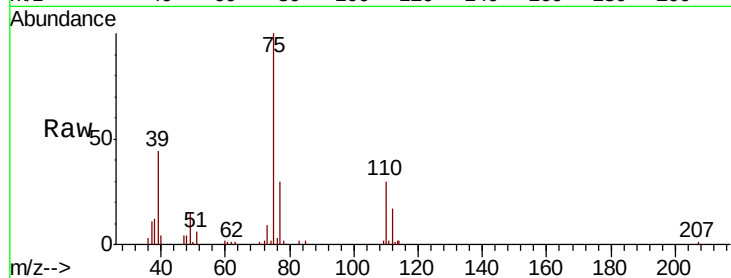
VSTDIC020

Tot Ion: 75 Resp: 62269

Ion Ratio Lower Upper

75 100

77 30.2 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 20.652 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

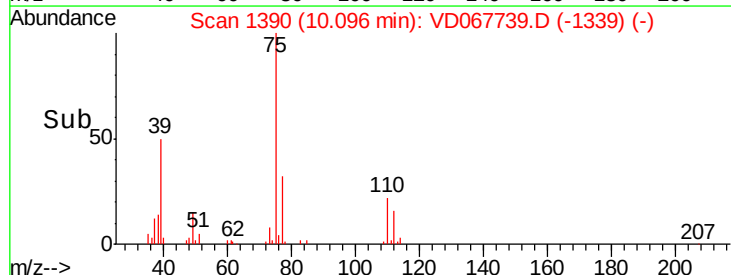
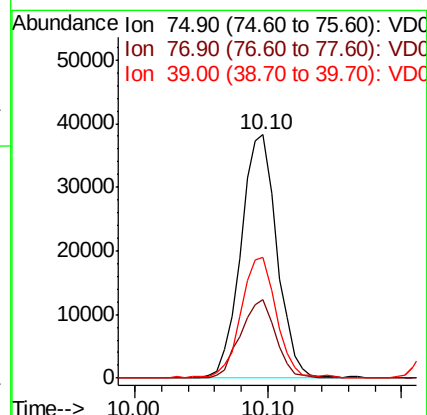
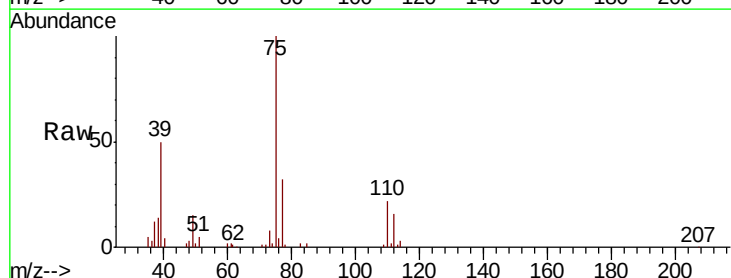
Tgt Ion: 75 Resp: 71195

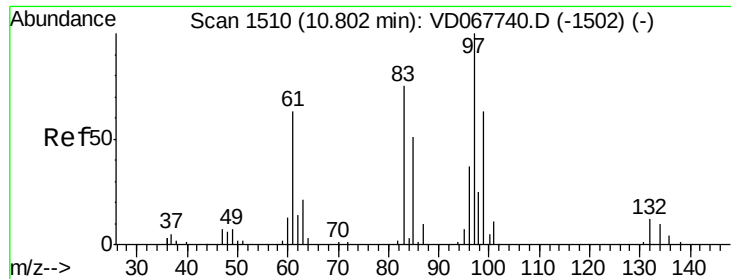
Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1

39 49.6 35.8 53.6

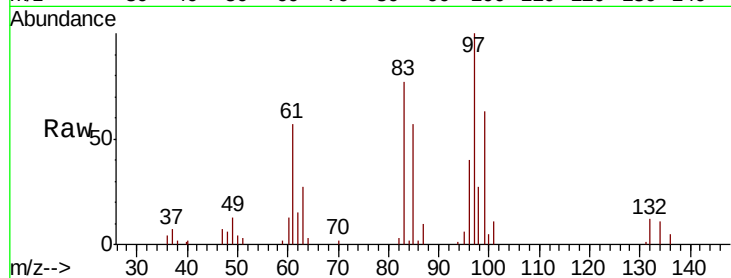




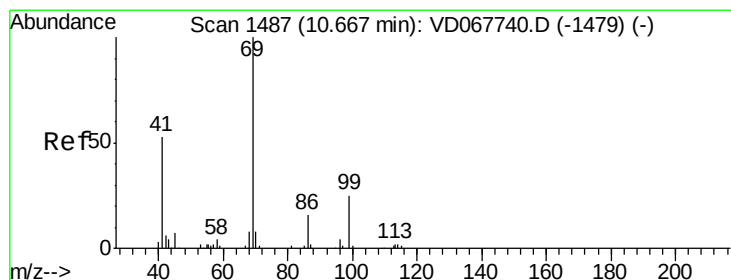
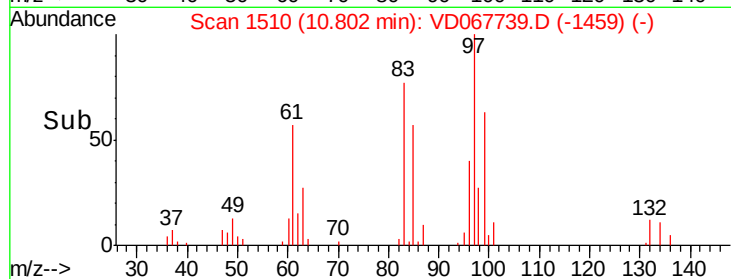
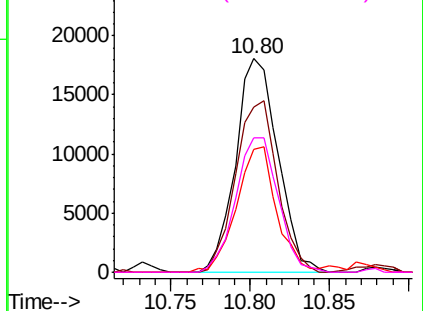
#55
 1,1,2-Trichloroethane
 Concen: 19.965 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	33526
Ion	Ratio	Lower	Upper
97	100		
83	77.3	60.2	90.4
85	57.3	40.5	60.7
99	62.8	50.6	76.0

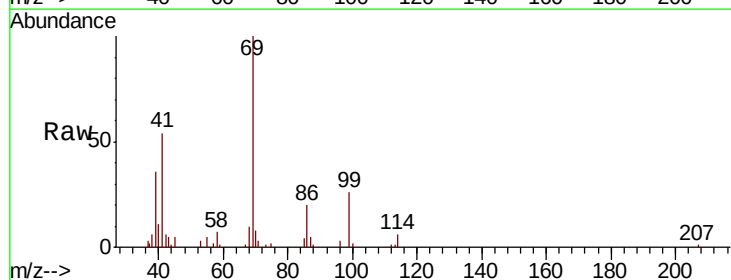


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

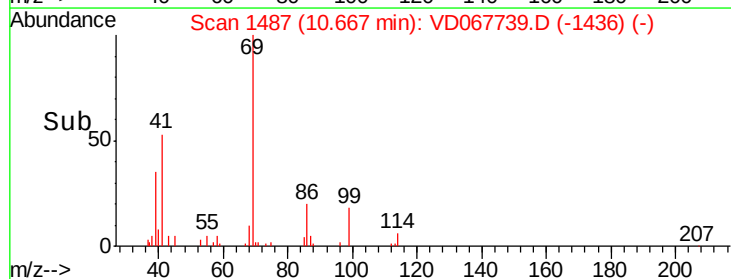
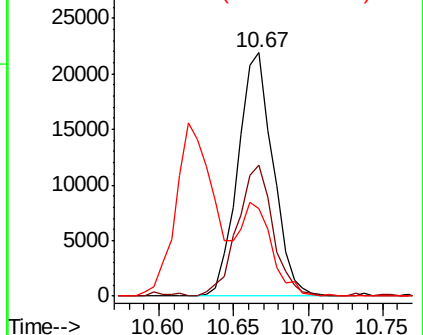


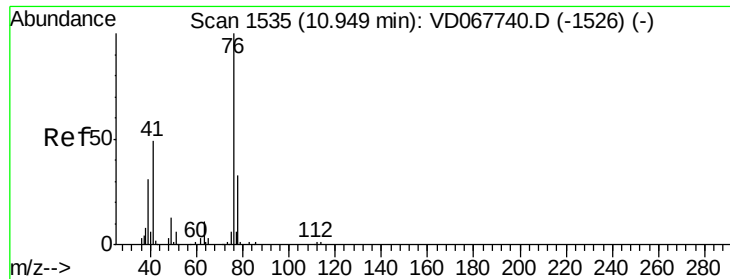
#56
 Ethyl methacrylate
 Concen: 20.584 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion:	69	Resp:	35724
Ion	Ratio	Lower	Upper
69	100		
41	54.6	43.4	65.0
39	33.5	29.6	44.4



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: 20.548 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

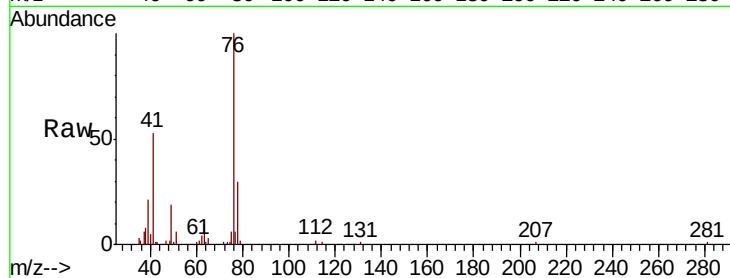
VSTDIC020

Tot Ion: 76 Resp: 54046

Ion Ratio Lower Upper

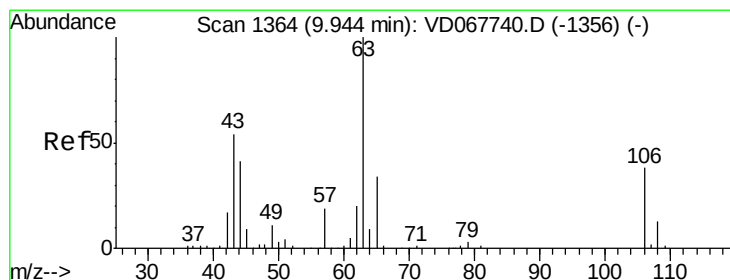
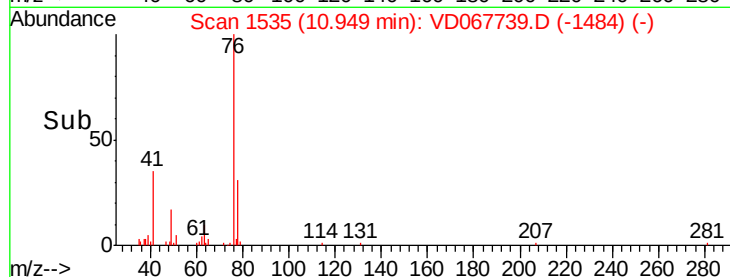
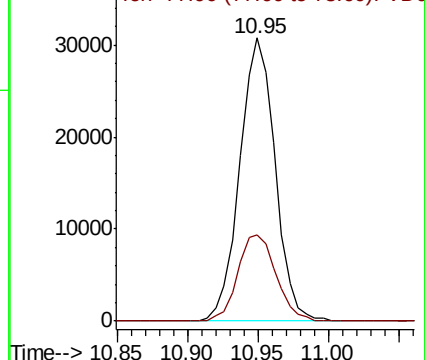
76 100

78 32.6 25.7 38.5



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: 92.505 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD067739.D

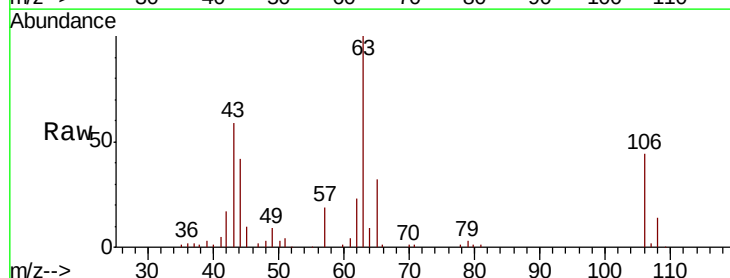
Acq: 23 Nov 2020 11:50

Tgt Ion: 63 Resp: 74975

Ion Ratio Lower Upper

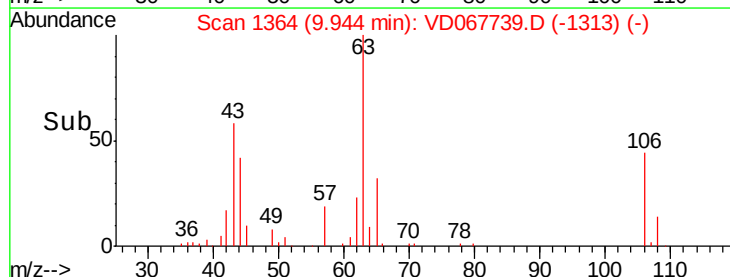
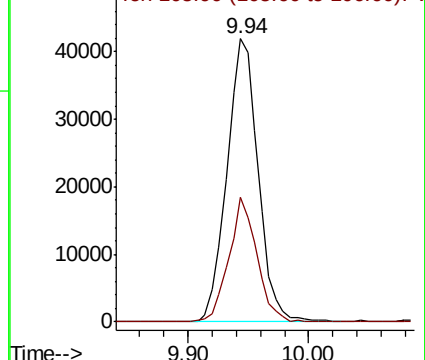
63 100

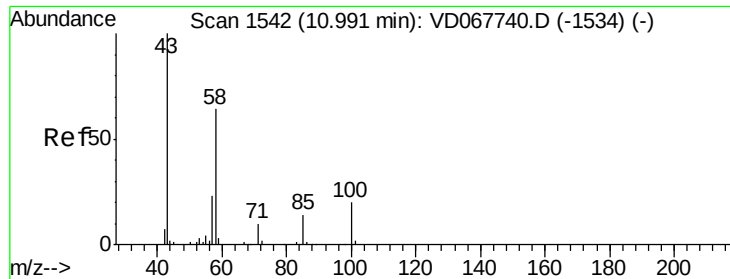
106 39.5 31.0 46.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

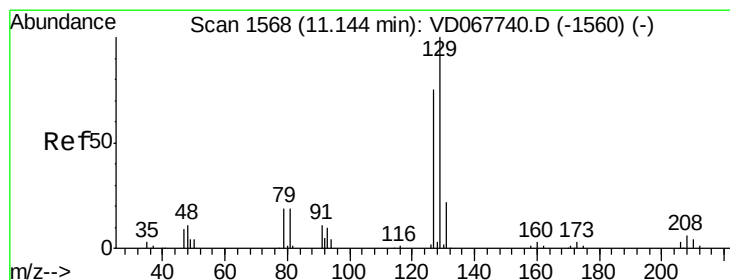
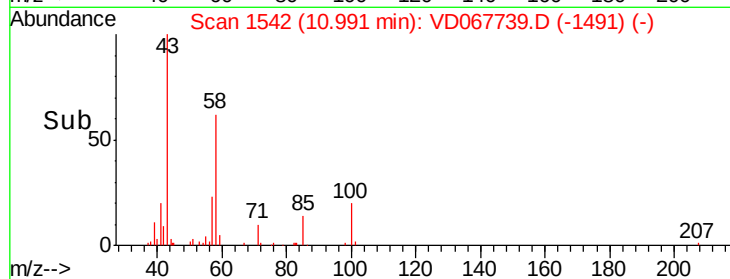
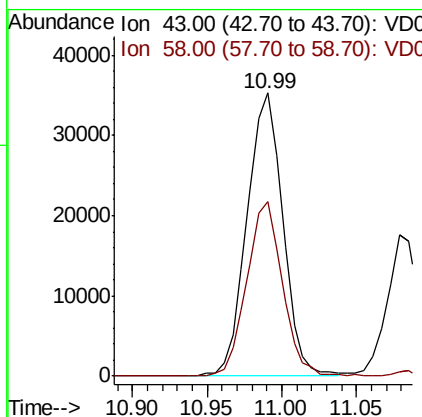
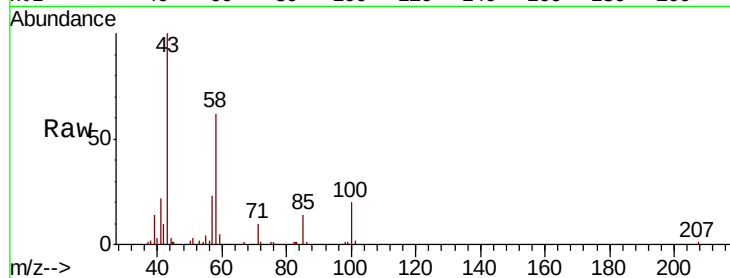




#59
2-Hexanone
Concen: 101.151 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

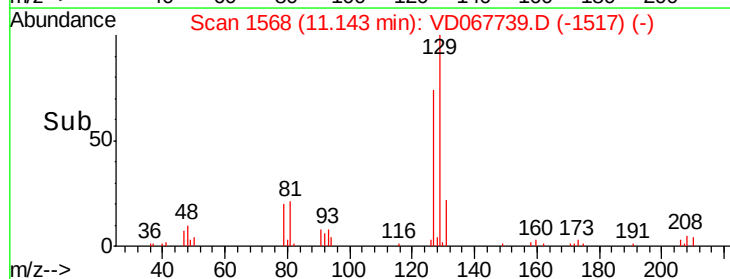
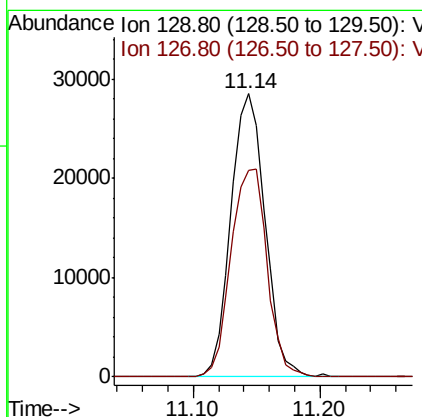
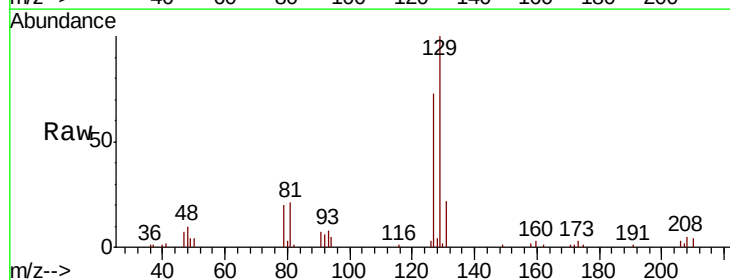
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

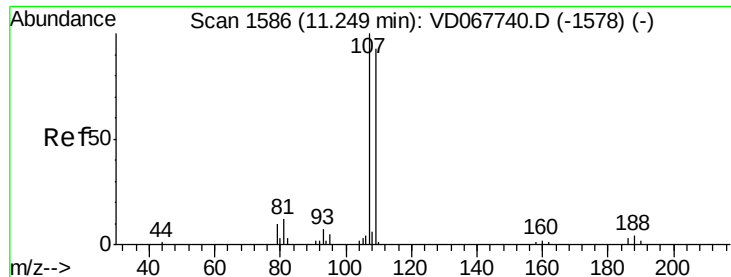
Tot Ion: 43 Resp: 58803
Ion Ratio Lower Upper
43 100
58 61.2 30.5 91.5



#60
Dibromochloromethane
Concen: 20.803 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 129 Resp: 53251
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.7





#61

1,2-Dibromoethane

Concen: 20.529 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

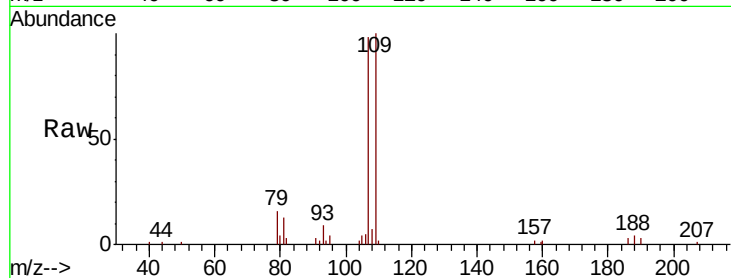
VSTDIC020

Tot Ion:107 Resp: 34086

Ion Ratio Lower Upper

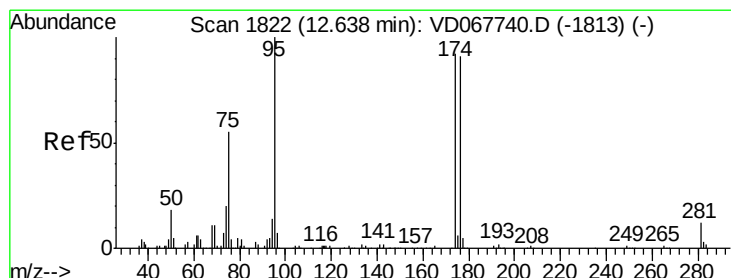
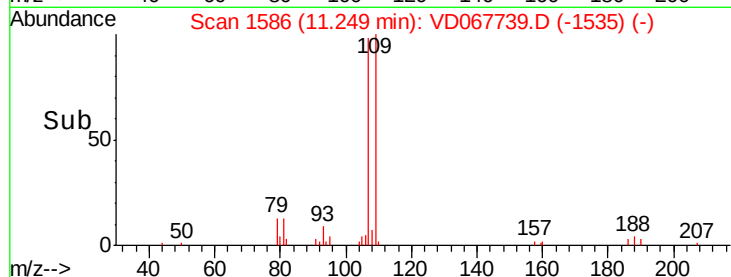
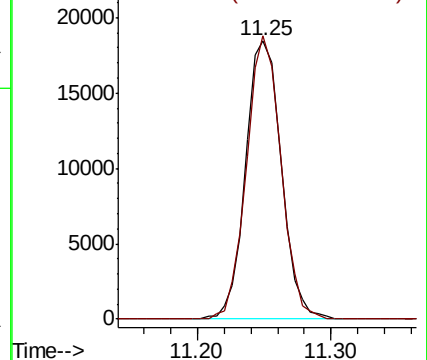
107 100

109 97.8 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.473 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

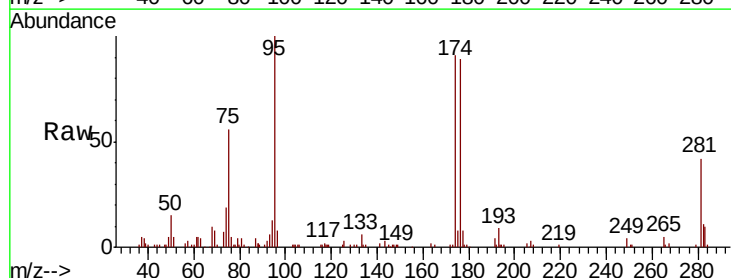
Tgt Ion: 95 Resp: 62004

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.4

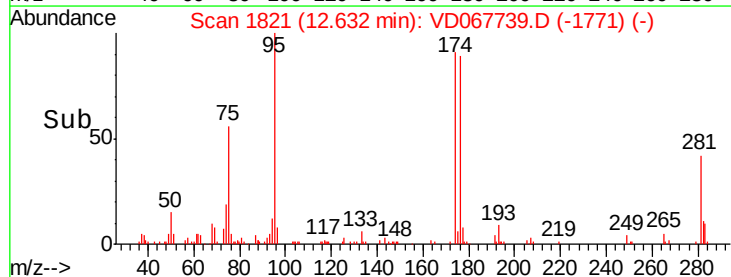
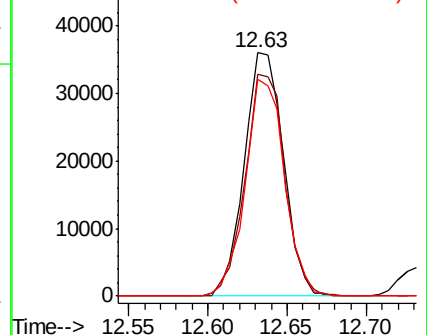
176 88.7 0.0 178.2

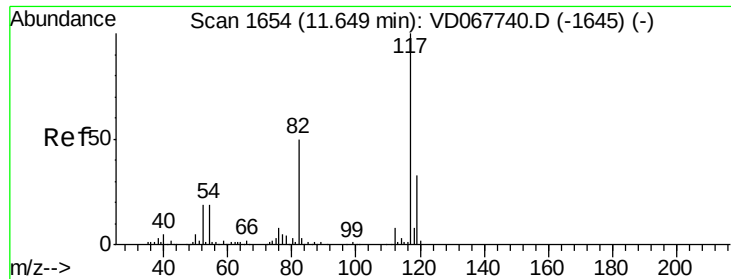


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

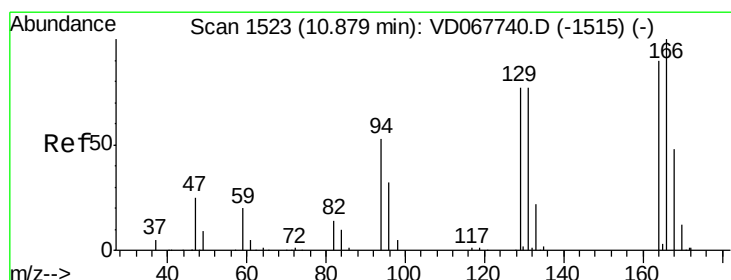
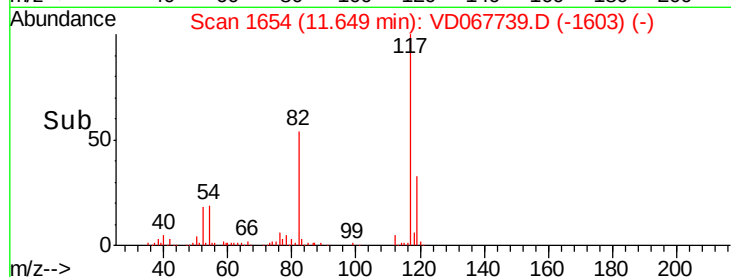
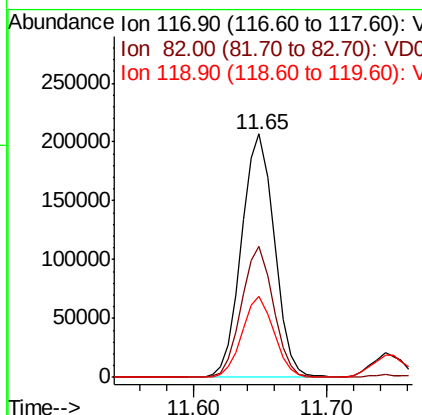
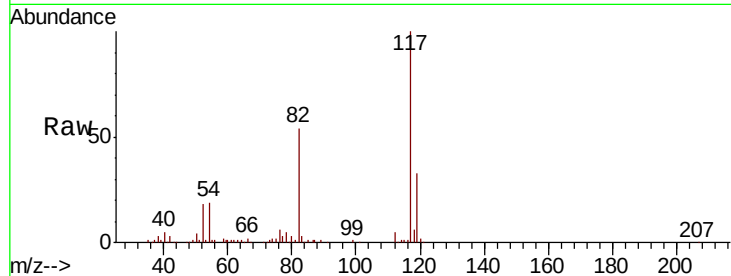




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

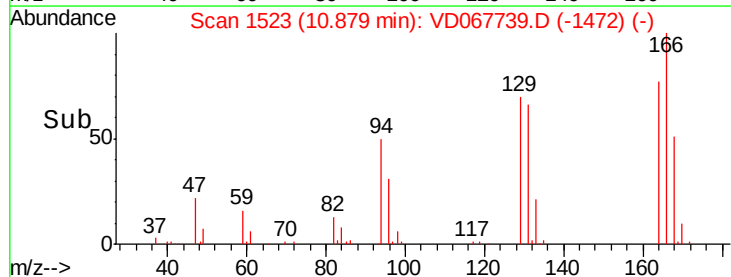
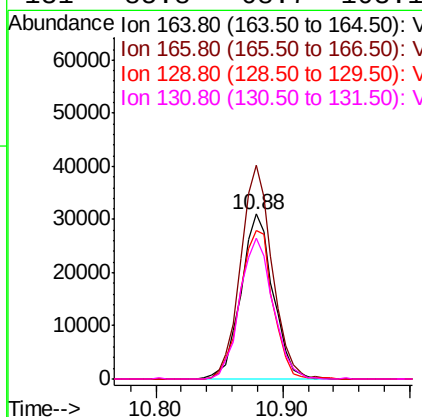
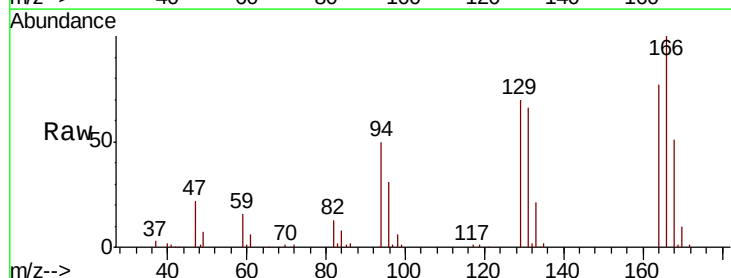
Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

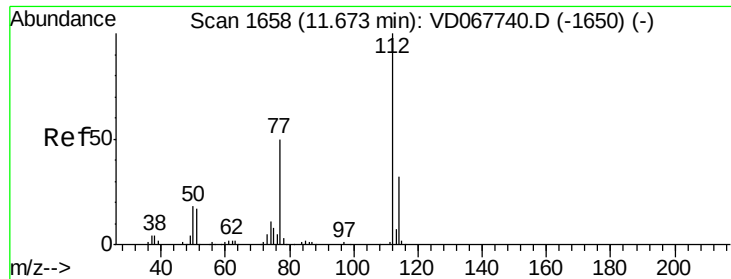
Tot Ion:117 Resp: 352226
Ion Ratio Lower Upper
117 100
82 53.8 40.2 60.4
119 33.1 26.5 39.7



#64
Tetrachloroethene
Concen: 19.632 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion:164 Resp: 54370
Ion Ratio Lower Upper
164 100
166 129.7 89.2 133.8
129 90.3 68.4 102.6
131 85.8 68.7 103.1

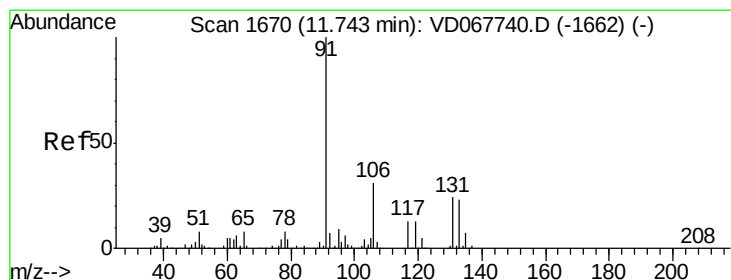
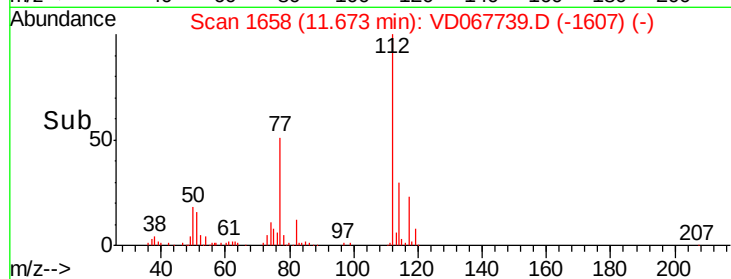
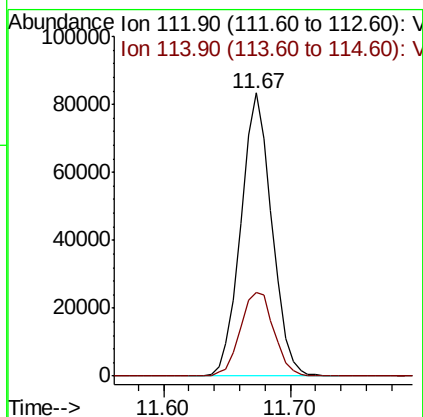
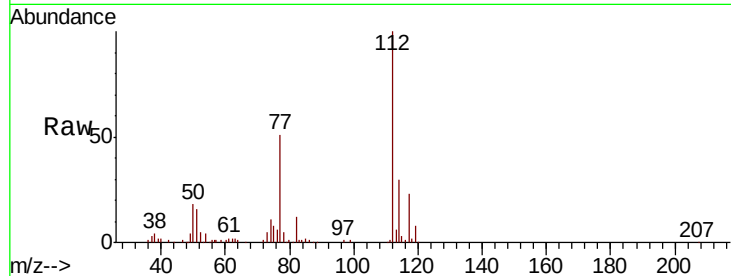




#65
Chlorobenzene
Concen: 20.252 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

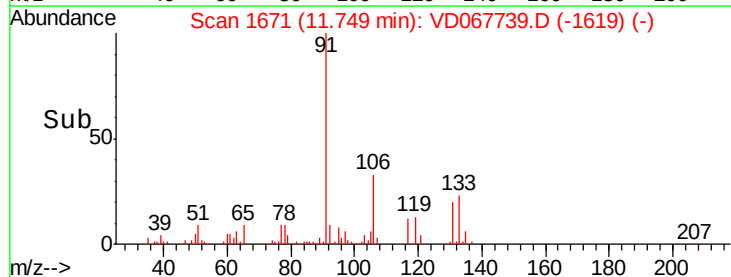
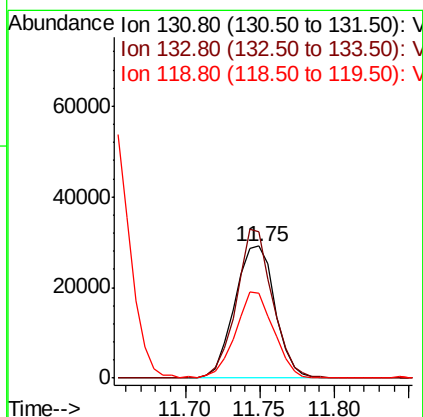
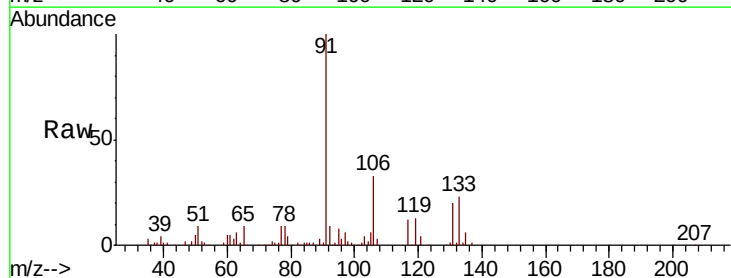
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

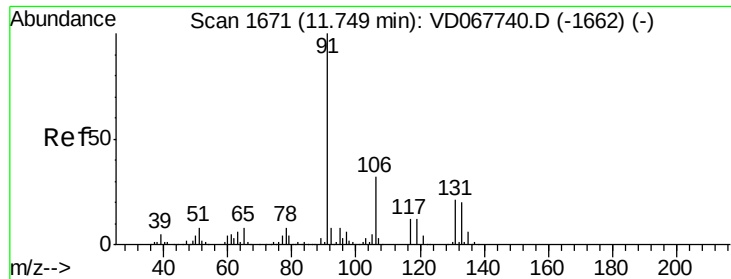
Tot Ion:112 Resp: 141294
Ion Ratio Lower Upper
112 100
114 29.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.574 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion:131 Resp: 54710
Ion Ratio Lower Upper
131 100
133 100.7 49.0 147.0
119 61.5 28.8 86.5

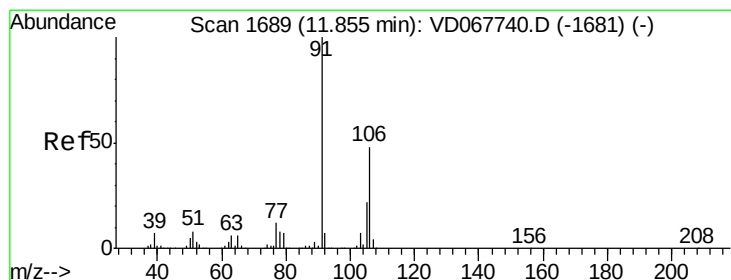
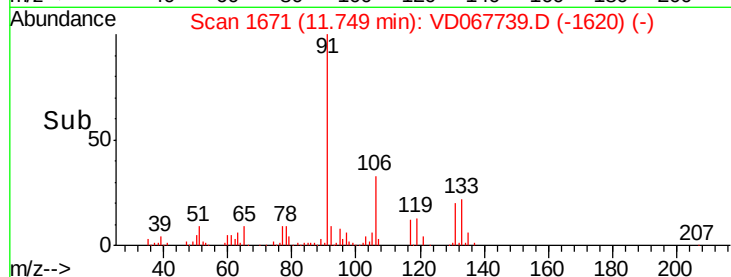
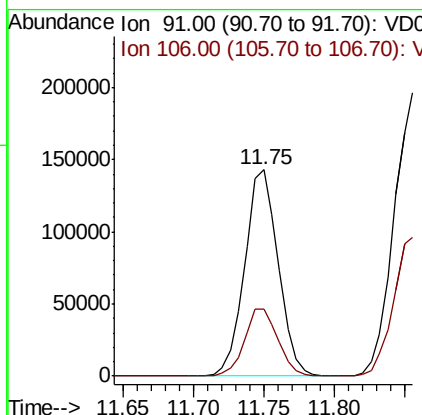
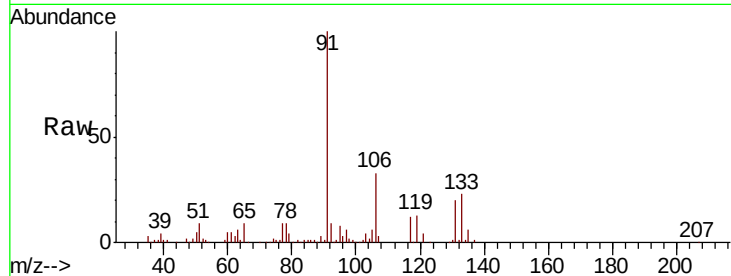




#67
Ethyl Benzene
Concen: 19.941 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

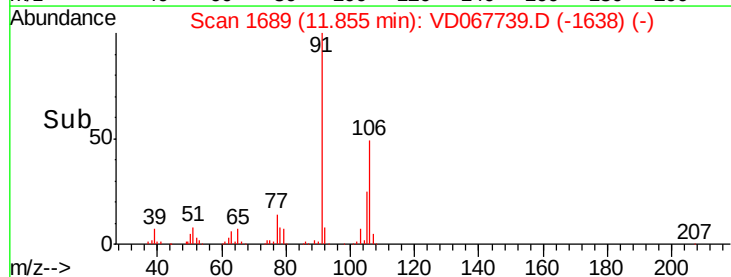
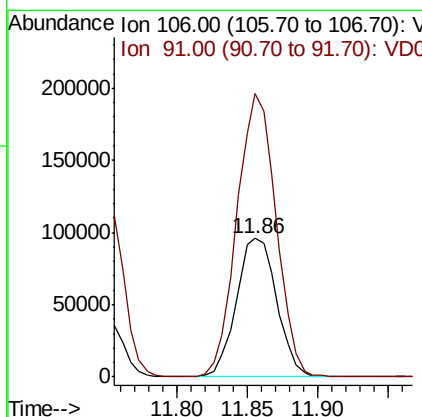
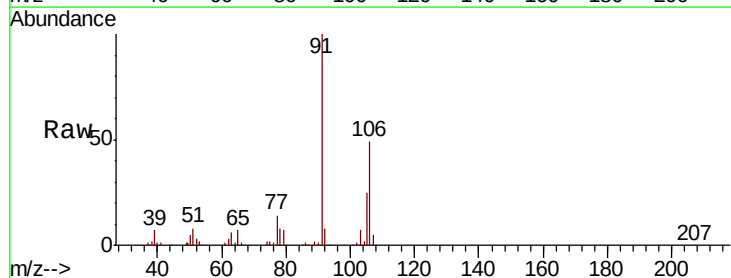
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

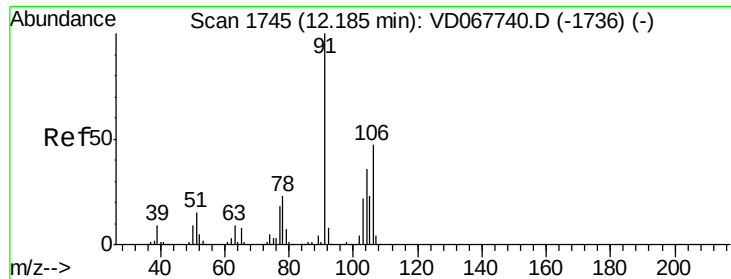
Tot Ion: 91 Resp: 238812
Ion Ratio Lower Upper
91 100
106 32.7 25.7 38.5



#68
m/p-Xylenes
Concen: 40.907 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 106 Resp: 191543
Ion Ratio Lower Upper
106 100
91 199.0 163.0 244.6

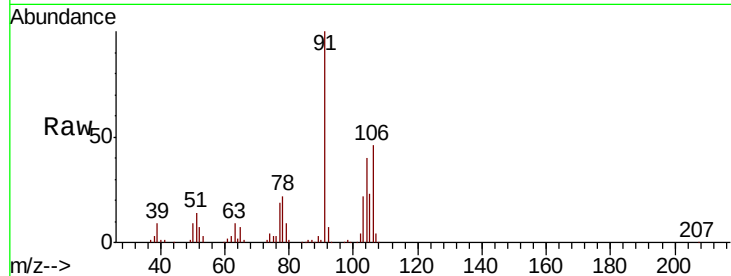




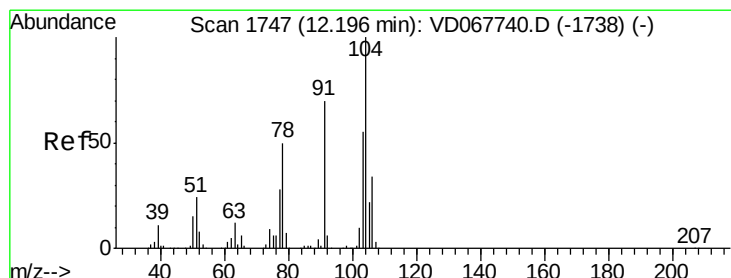
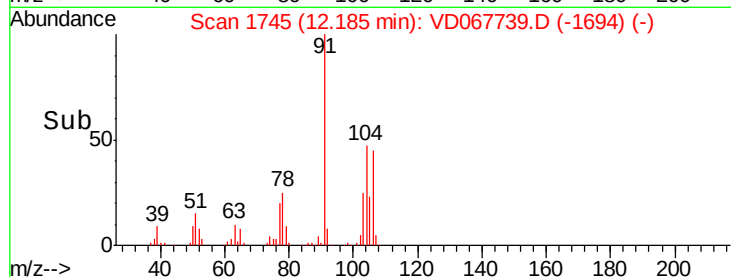
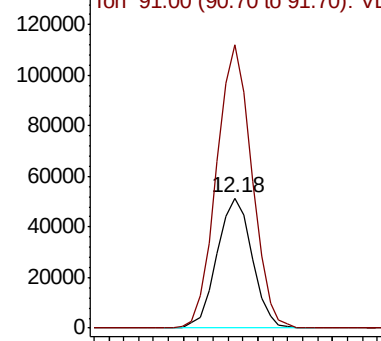
#69
o-Xylene
Concen: 19.637 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 83607
Ion Ratio Lower Upper
106 100
91 219.7 106.2 318.6

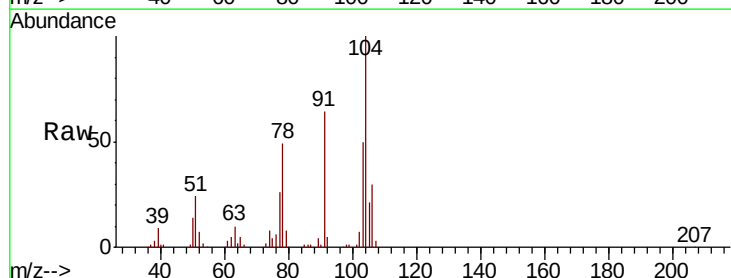


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

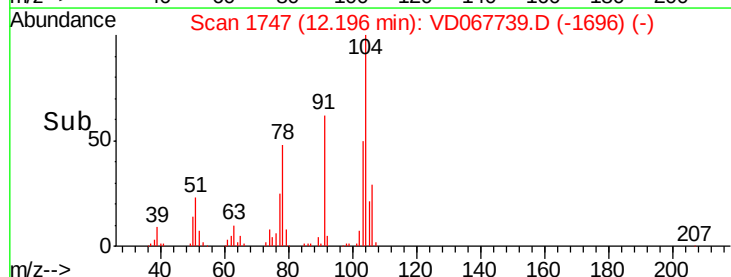
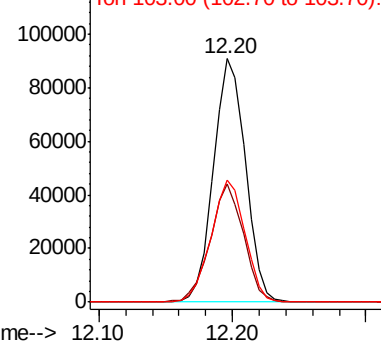


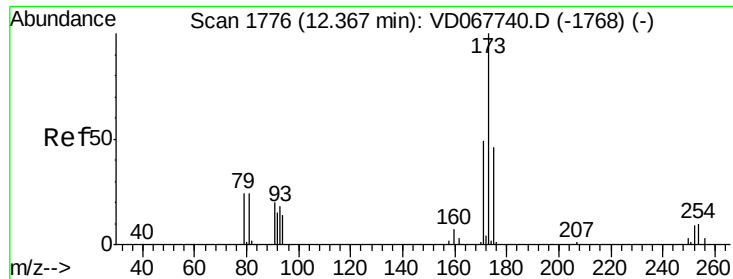
#70
Styrene
Concen: 20.450 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion:104 Resp: 150413
Ion Ratio Lower Upper
104 100
78 50.8 41.9 62.9
103 53.6 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.425 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

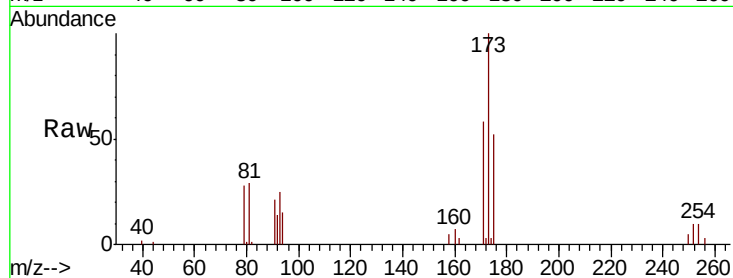
Tot Ion:173 Resp: 31081

Ion Ratio Lower Upper

173 100

175 49.8 23.9 71.7

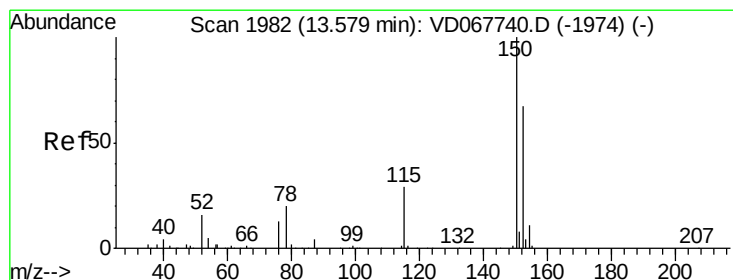
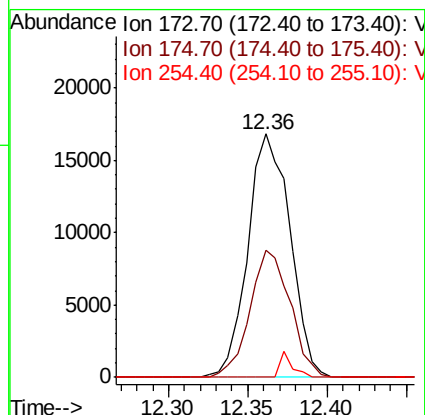
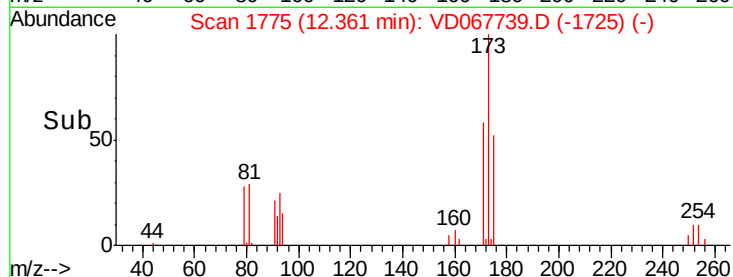
254 3.1 0.0 0.0#



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. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

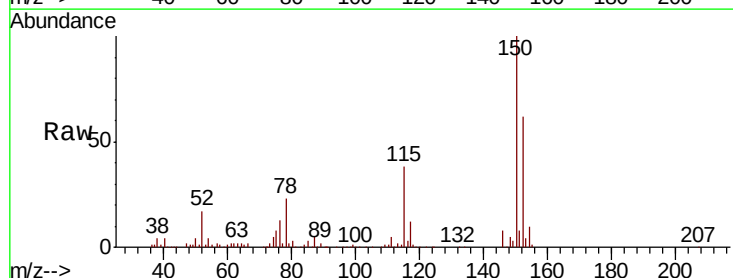
Tgt Ion:152 Resp: 182574

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.3

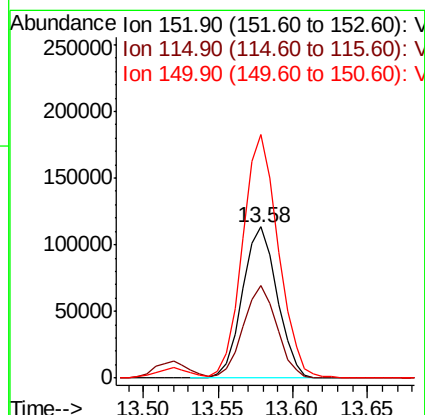
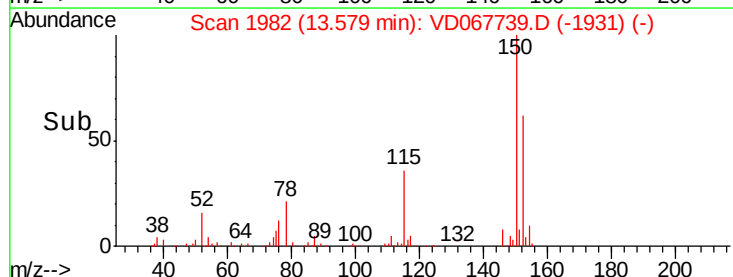
150 165.6 0.0 340.6

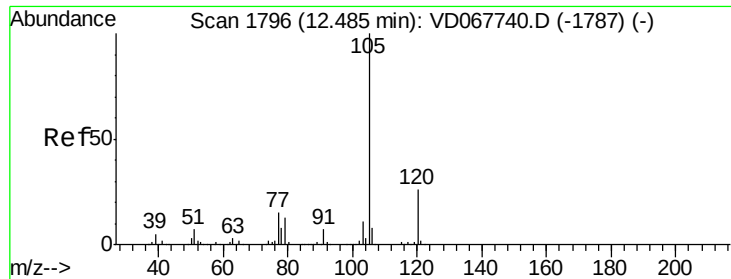


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.734 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

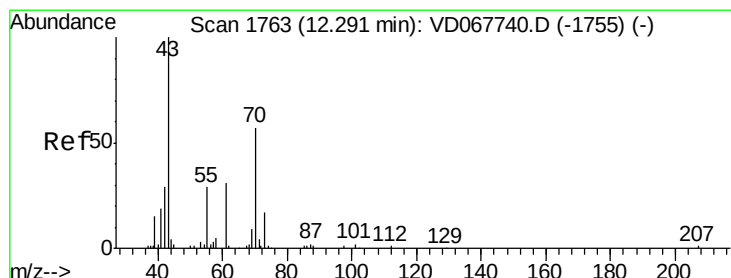
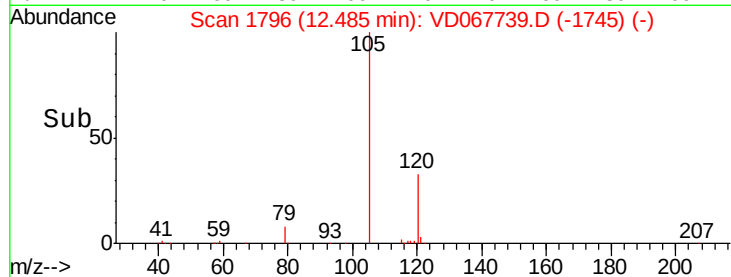
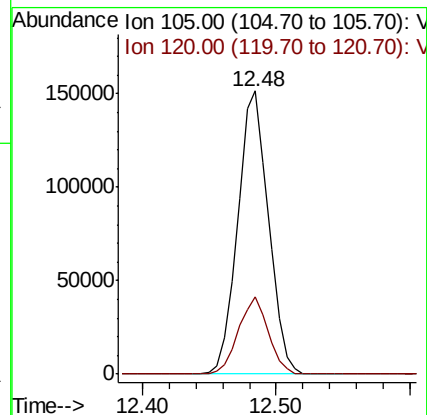
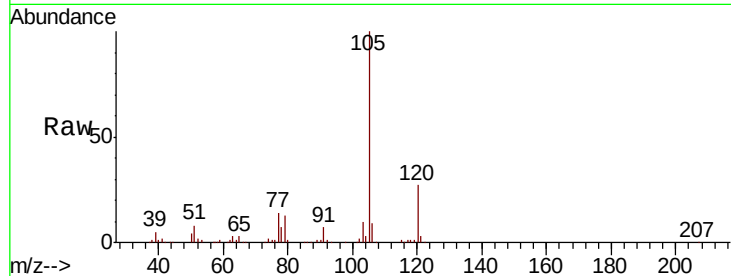
VSTDIC020

Tot Ion:105 Resp: 241698

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



#74

N-ethyl acetate

Concen: 20.112 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Tgt Ion: 43 Resp: 31912

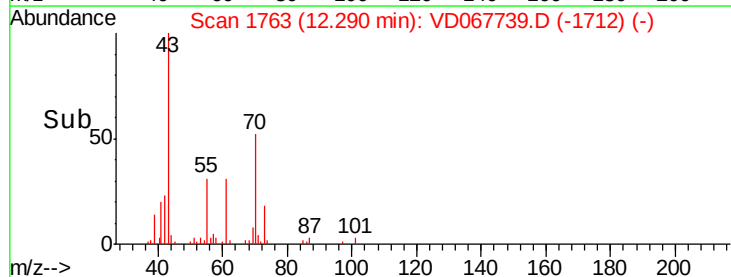
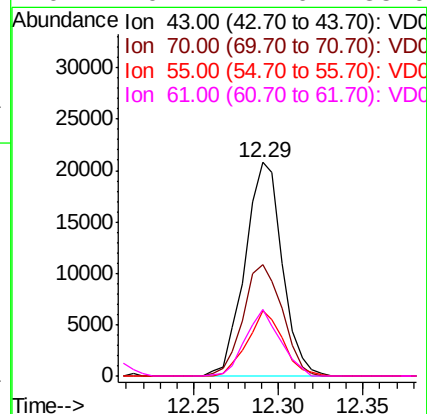
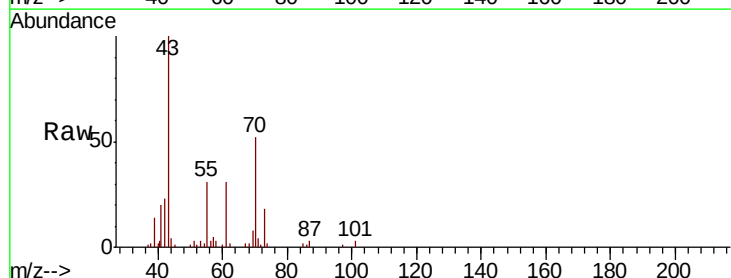
Ion Ratio Lower Upper

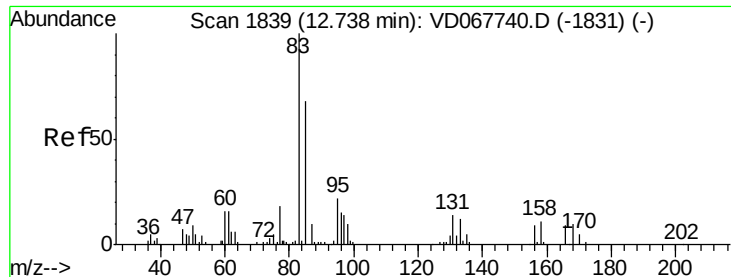
43 100

70 54.6 44.6 66.8

55 29.3 24.2 36.2

61 29.1 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.564 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

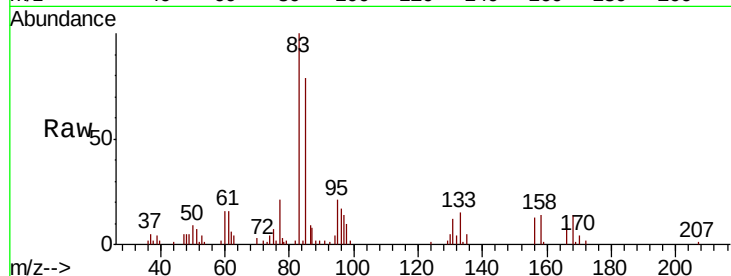
Tot Ion: 83 Resp: 31933

Ion Ratio Lower Upper

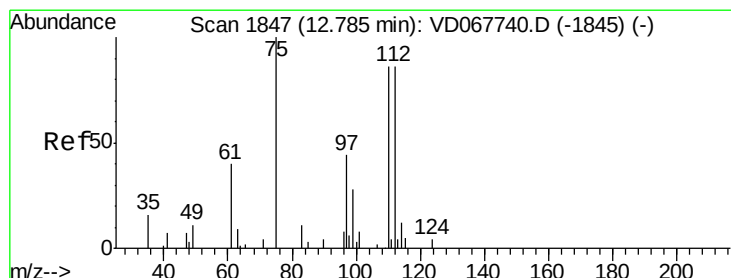
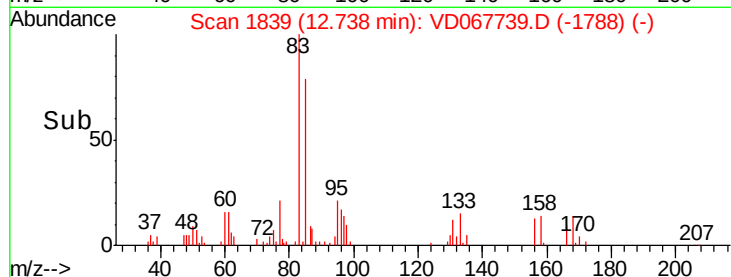
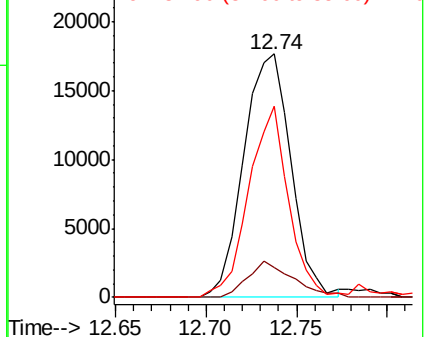
83 100

131 14.4 8.1 24.1

85 66.8 33.9 101.7



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: 33.673 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD067739.D

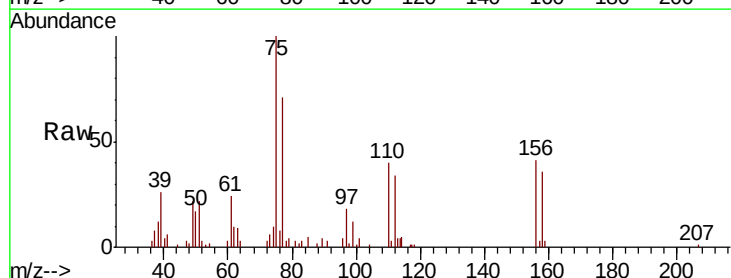
Acq: 23 Nov 2020 11:50

Tgt Ion: 75 Resp: 47912

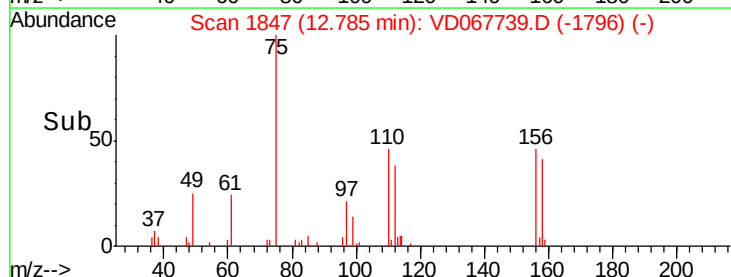
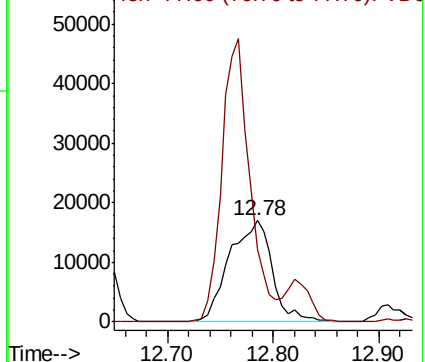
Ion Ratio Lower Upper

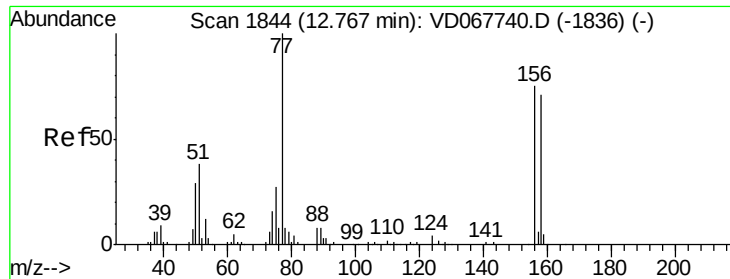
75 100

77 183.0 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: 20.172 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

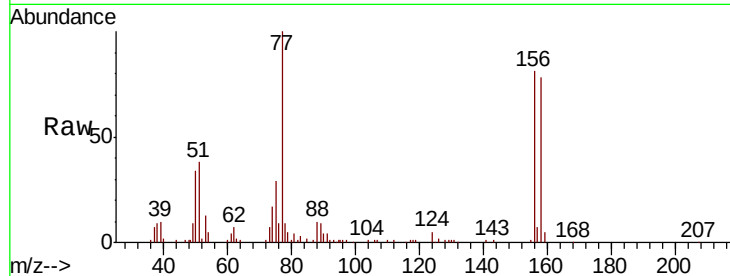
Tot Ion:156 Resp: 61517

Ion Ratio Lower Upper

156 100

77 142.5 73.5 220.3

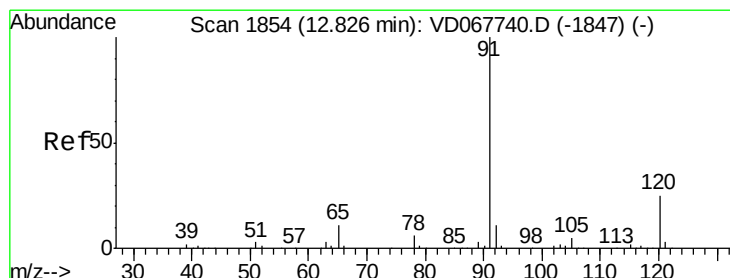
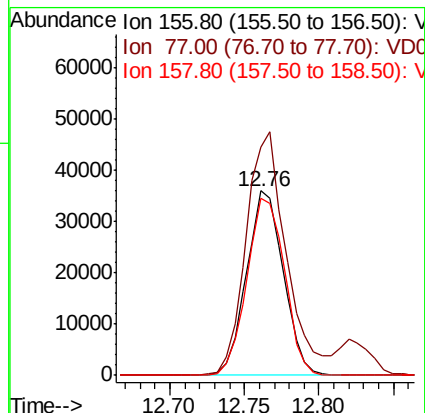
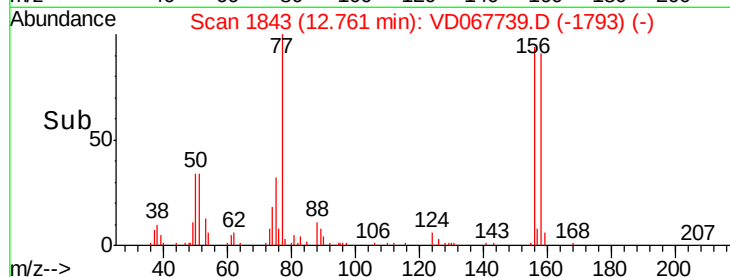
158 98.0 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.988 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067739.D

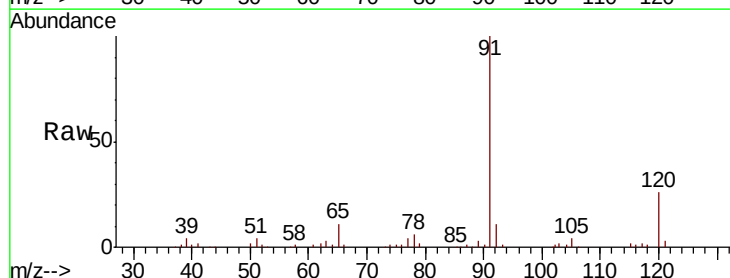
Acq: 23 Nov 2020 11:50

Tgt Ion: 91 Resp: 271506

Ion Ratio Lower Upper

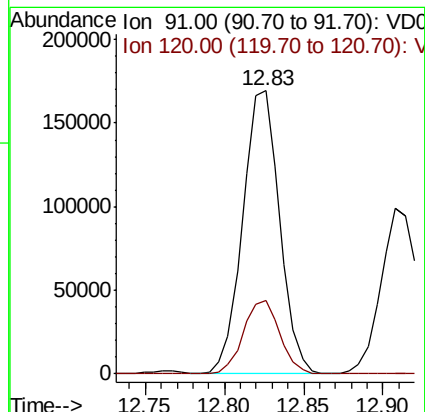
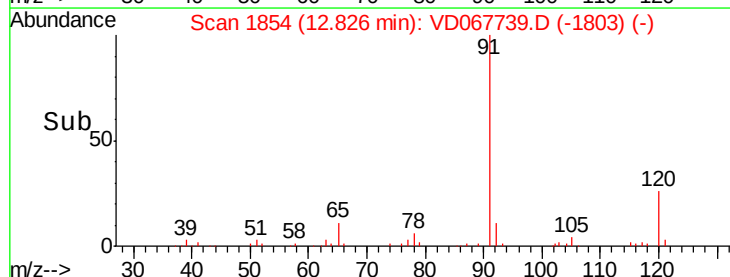
91 100

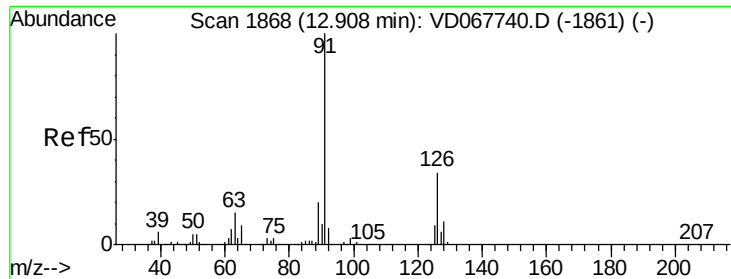
120 25.8 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

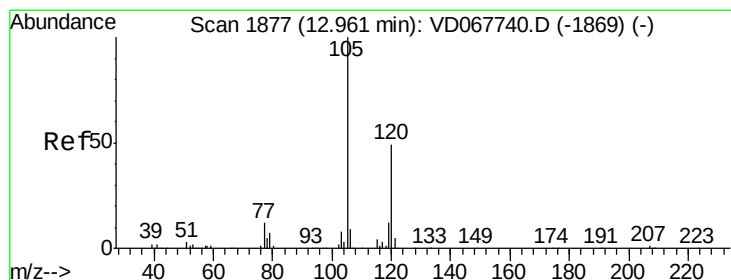
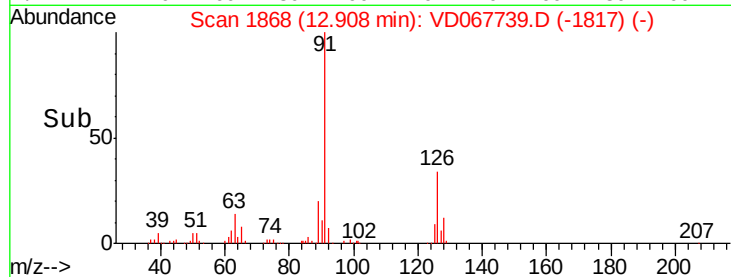
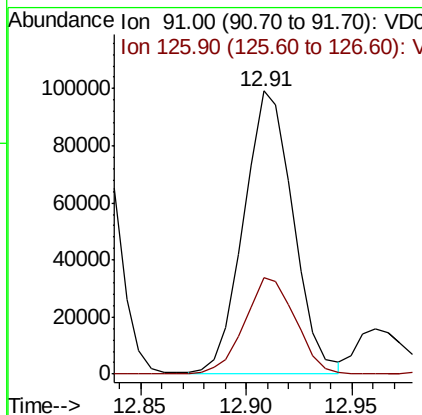
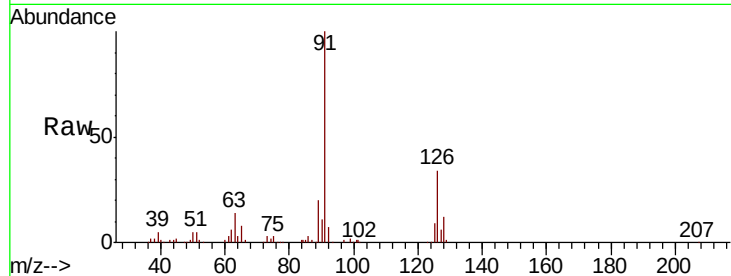




#79
 2-Chlorotoluene
 Concen: 20.174 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

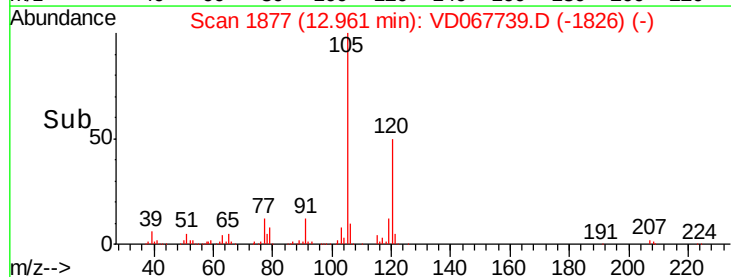
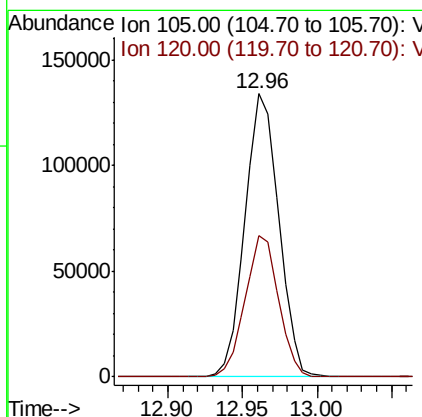
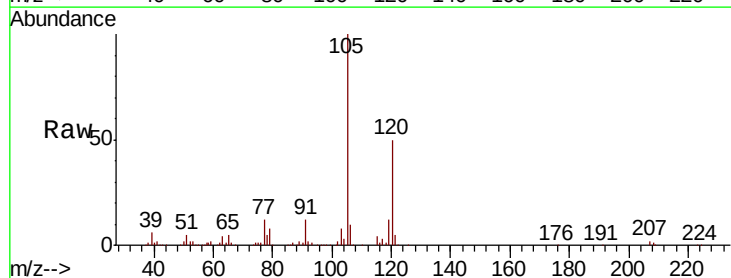
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

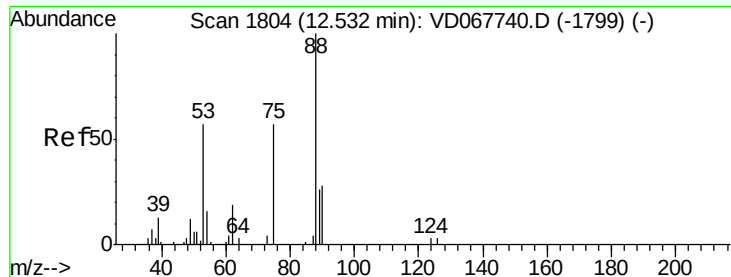
Tot Ion: 91 Resp: 161223
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 19.583 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion: 105 Resp: 210542
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.537 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

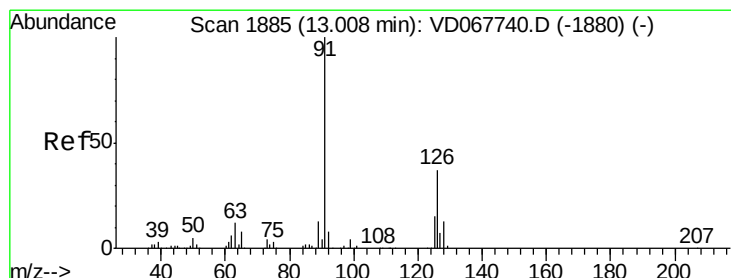
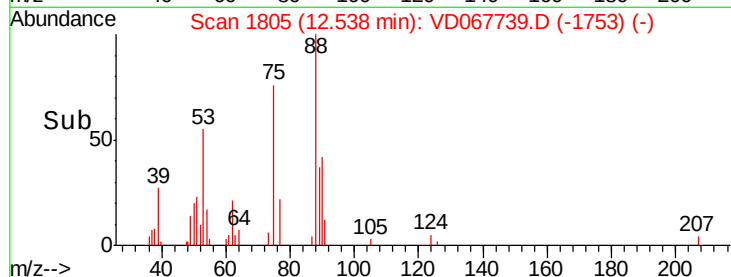
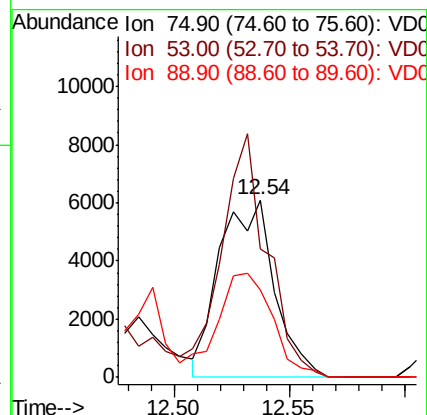
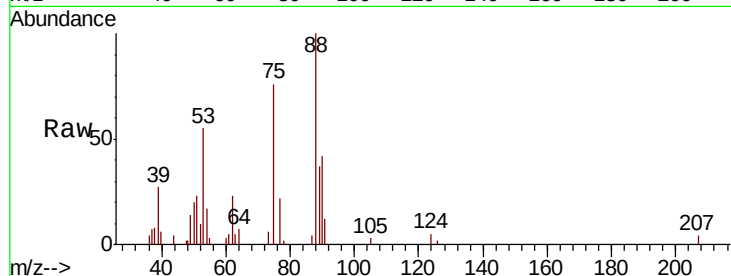
Tot Ion: 75 Resp: 10100

Ion Ratio Lower Upper

75 100

53 113.8 76.0 114.0

89 59.1 40.2 60.4



#82

4-Chlorotoluene

Concen: 19.771 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067739.D

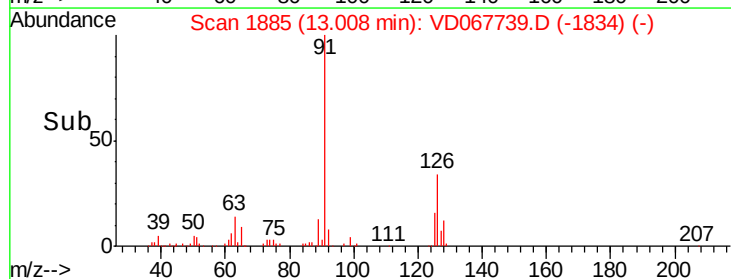
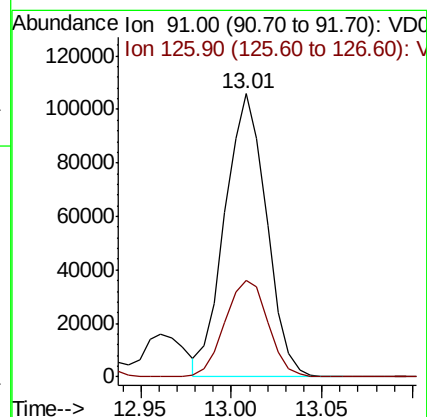
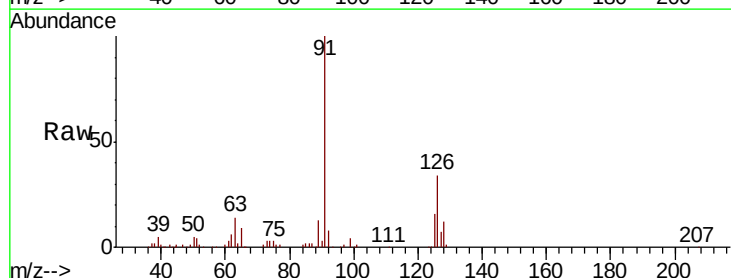
Acq: 23 Nov 2020 11:50

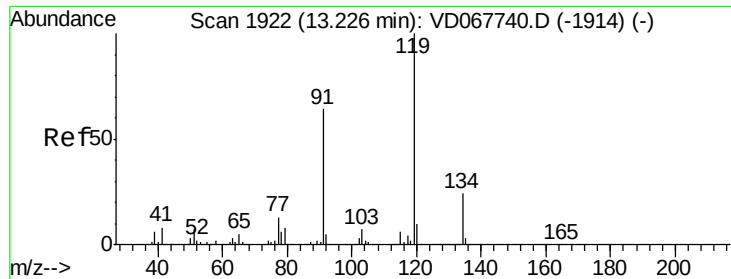
Tgt Ion: 91 Resp: 168619

Ion Ratio Lower Upper

91 100

126 35.5 17.7 53.1

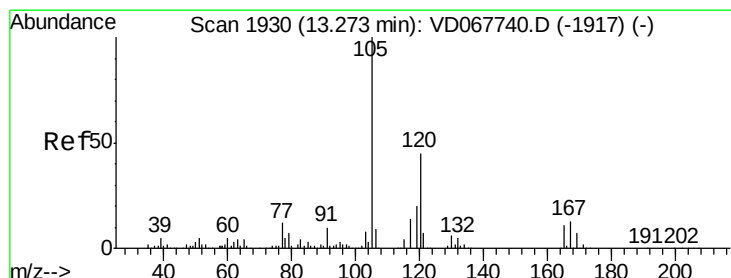
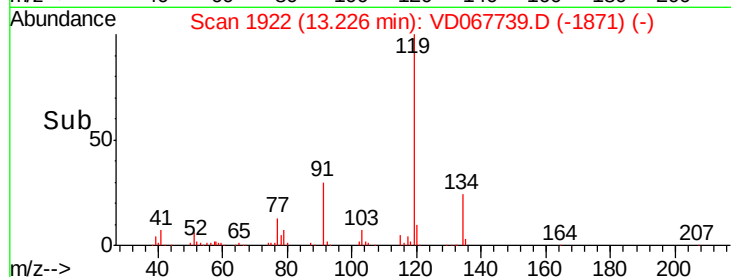
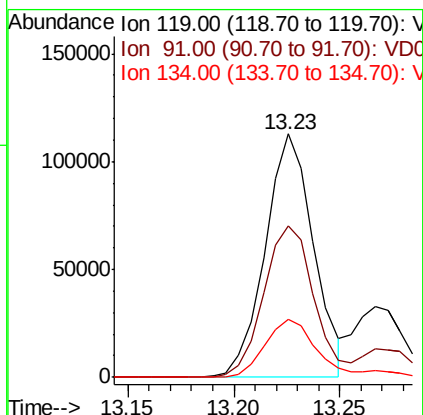
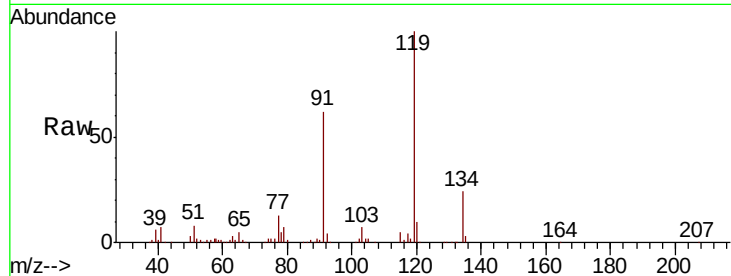




#83
 tert-Butylbenzene
 Concen: 19.792 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

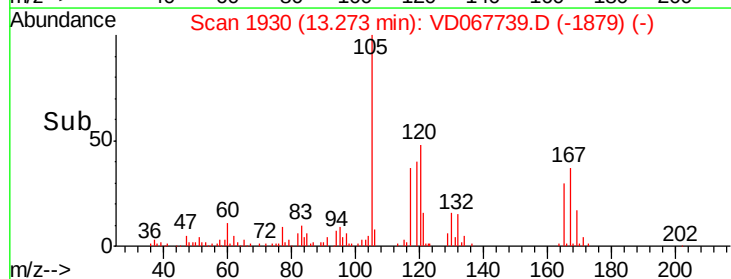
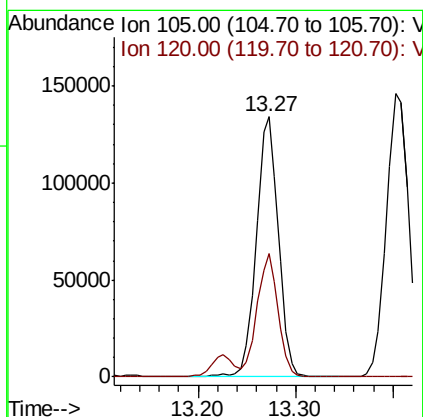
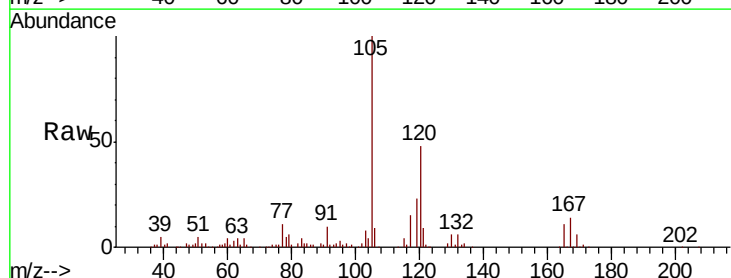
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

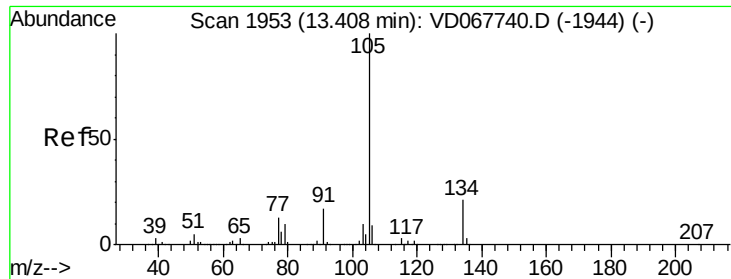
Tot Ion:119 Resp: 179317
 Ion Ratio Lower Upper
 119 100
 91 65.0 32.9 98.7
 134 27.0 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.240 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion:105 Resp: 214088
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.6 67.7





#85

sec-Butylbenzene

Concen: 19.620 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

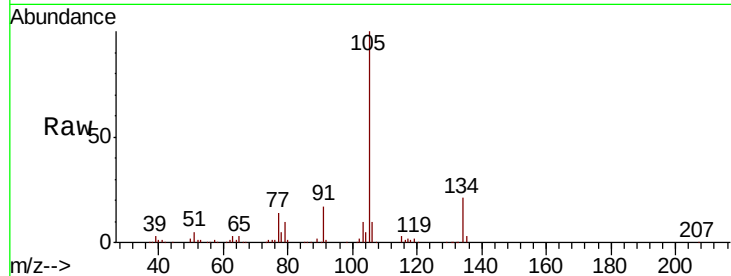
VSTDIC020

Tot Ion:105 Resp: 234733

Ion Ratio Lower Upper

105 100

134 21.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

100000

50000

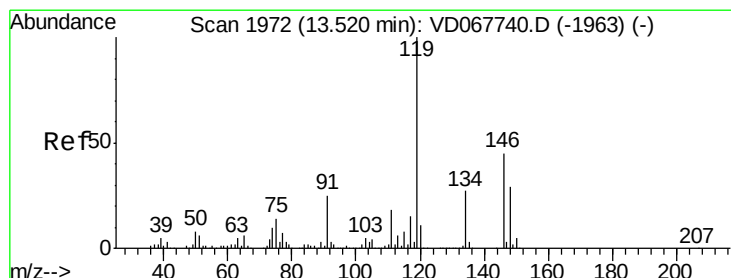
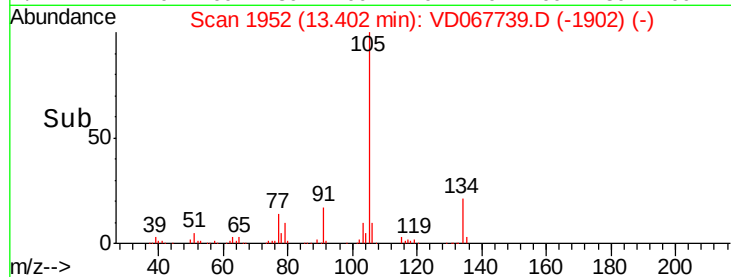
0

13.40

13.40

13.50

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 20.123 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

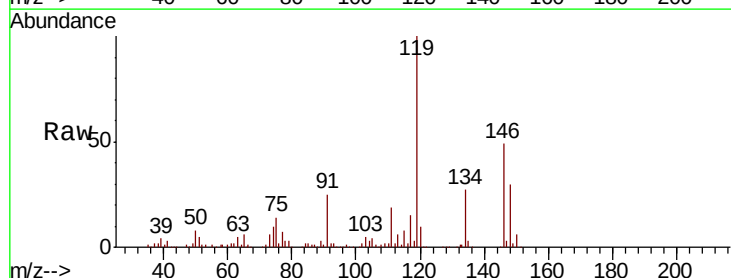
Tgt Ion:119 Resp: 232823

Ion Ratio Lower Upper

119 100

134 26.9 13.0 38.9

91 25.2 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

100000

50000

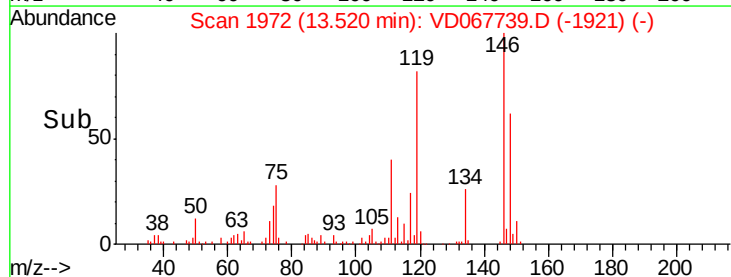
0

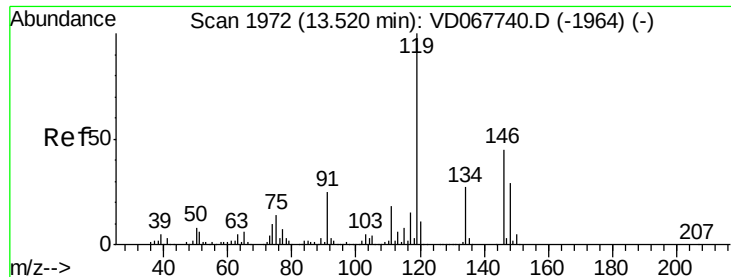
13.52

13.52

13.60

Time--> 13.45 13.50 13.55 13.60

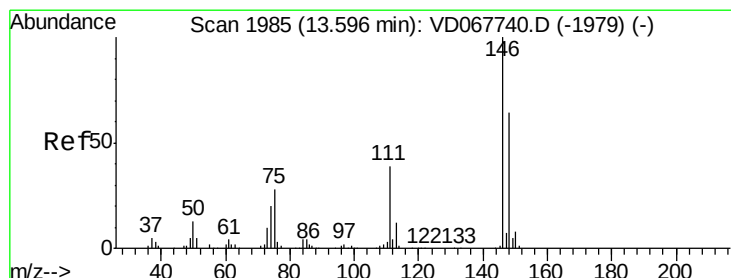
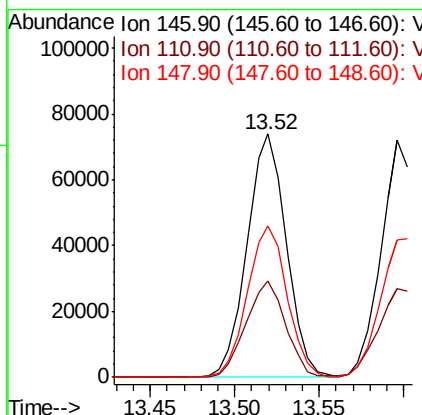
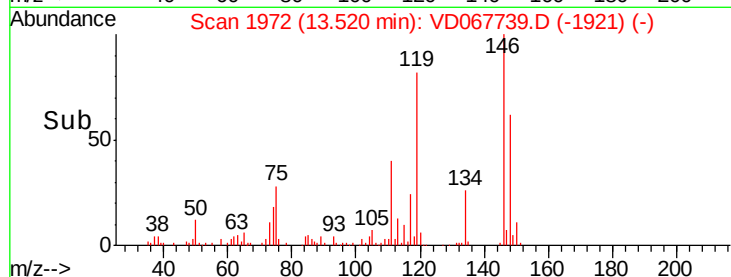
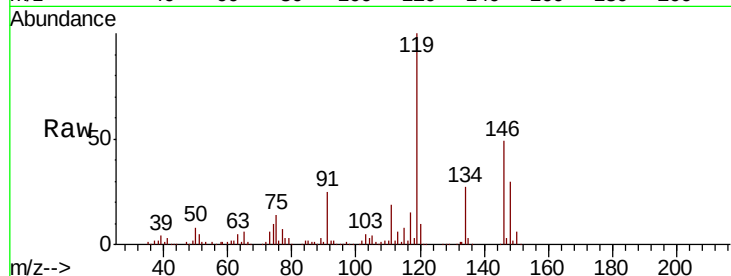




#87
 1,3-Dichlorobenzene
 Concen: 20.154 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

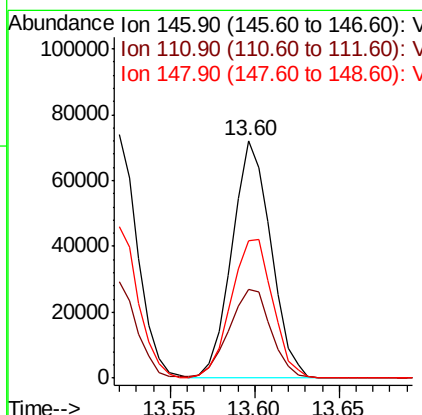
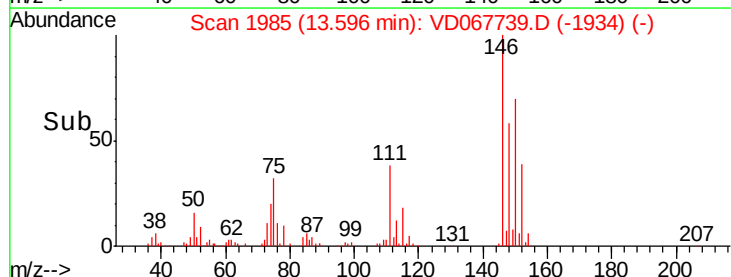
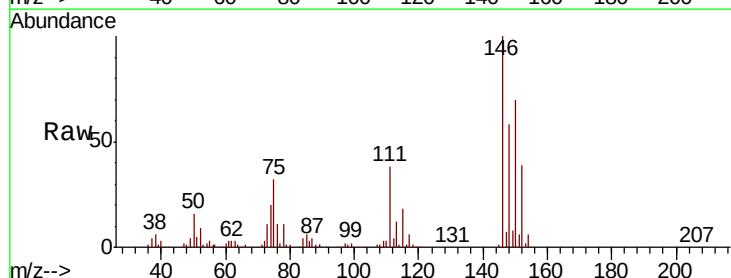
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

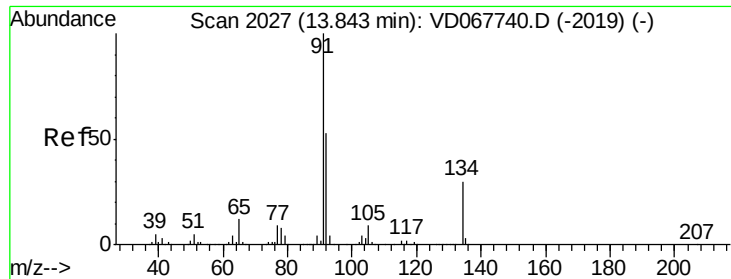
Tot Ion:146 Resp: 119771
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.2 60.6
 148 63.2 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 19.578 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion:146 Resp: 115942
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.4 58.4
 148 62.7 31.6 94.8

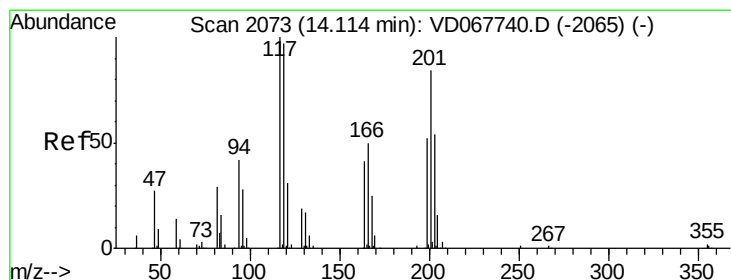
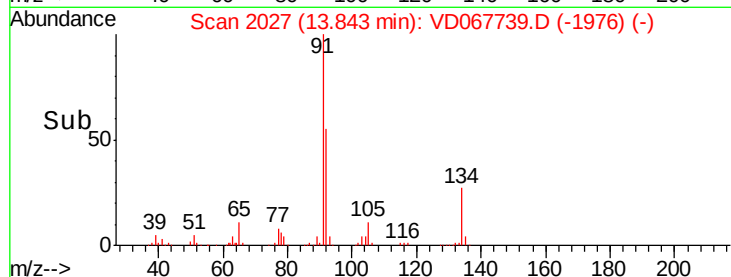
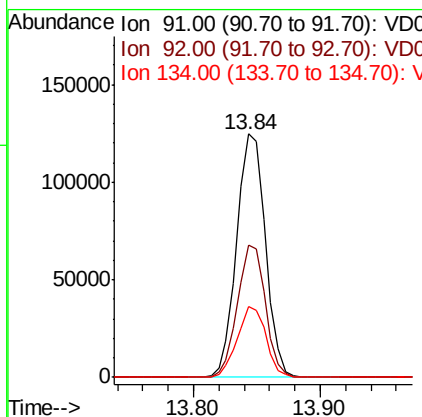
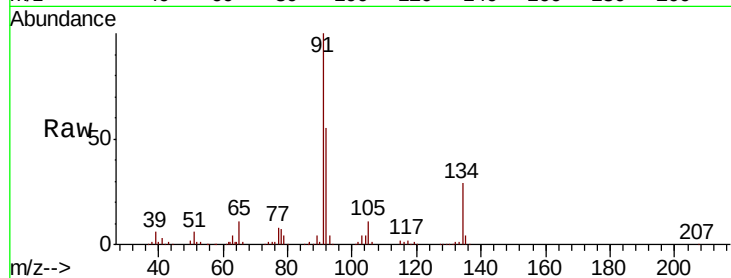




#89
n-Butylbenzene
Concen: 19.760 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

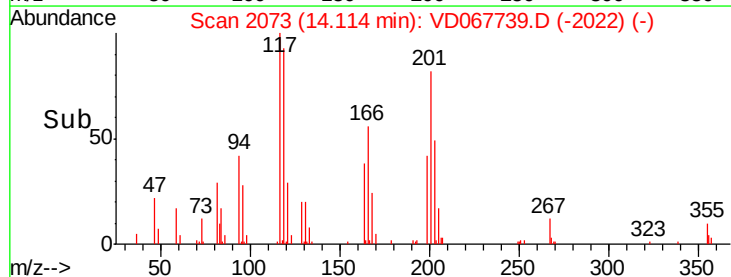
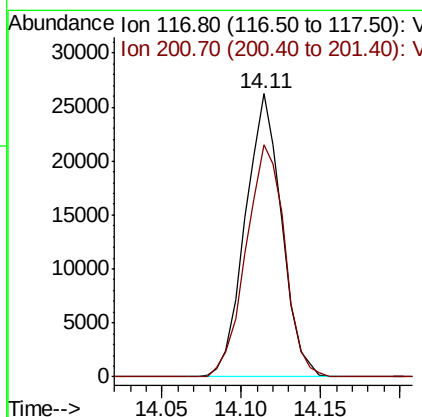
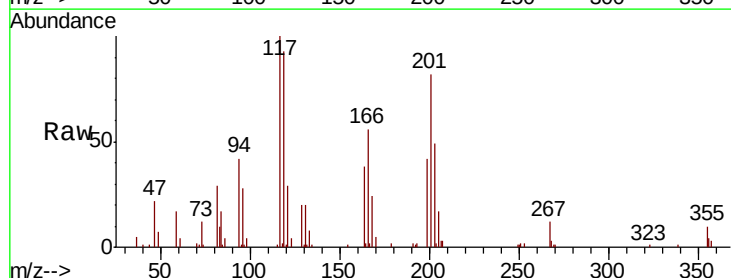
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

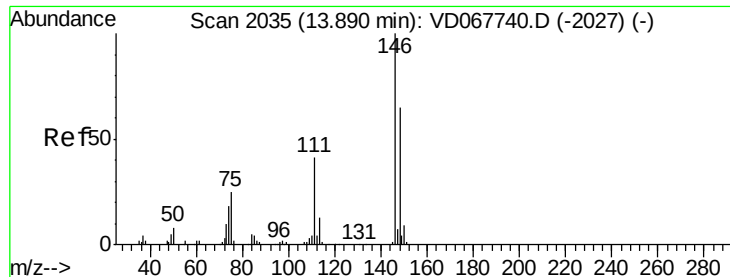
Tot Ion: 91 Resp: 195716
Ion Ratio Lower Upper
91 100
92 52.9 26.6 79.7
134 29.2 14.8 44.3



#90
Hexachloroethane
Concen: 18.911 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 117 Resp: 41694
Ion Ratio Lower Upper
117 100
201 87.6 42.2 126.6





#91

1,2-Dichlorobenzene

Concen: 19.875 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

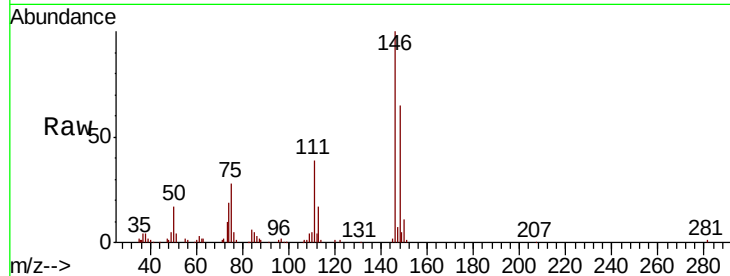
Tot Ion:146 Resp: 101580

Ion Ratio Lower Upper

146 100

111 38.6 20.8 62.5

148 62.2 32.4 97.2

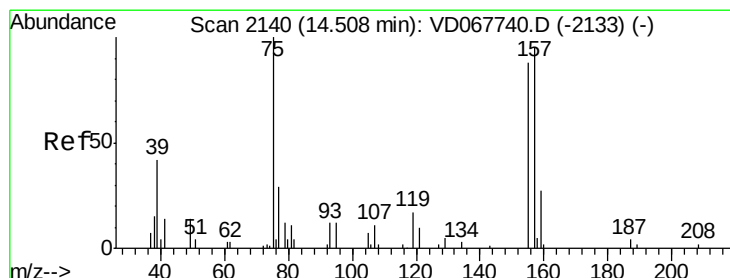
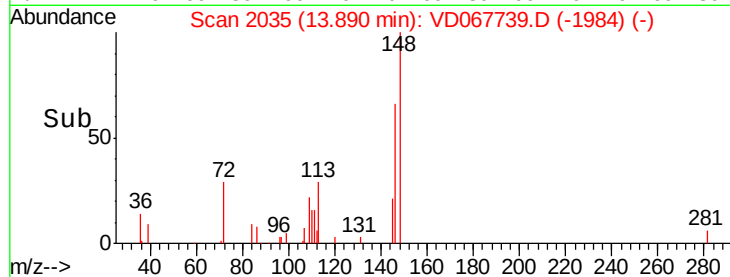
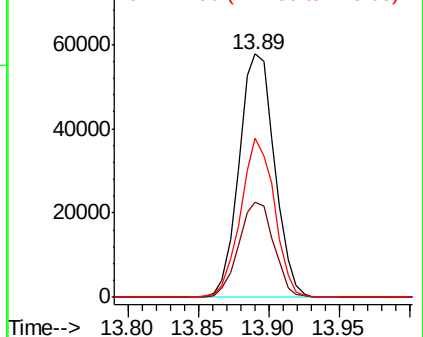


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.301 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

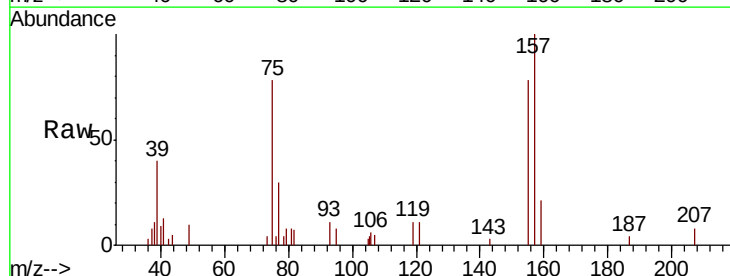
Tgt Ion: 75 Resp: 7052

Ion Ratio Lower Upper

75 100

155 91.7 41.0 123.0

157 111.8 51.1 153.4

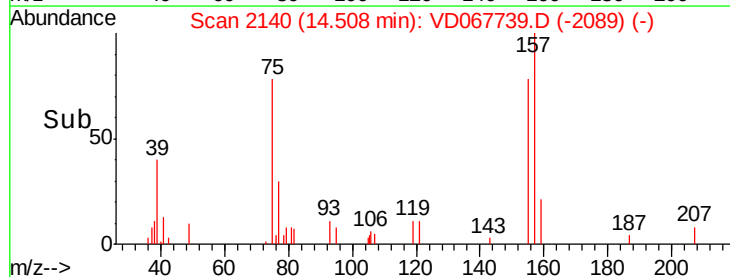
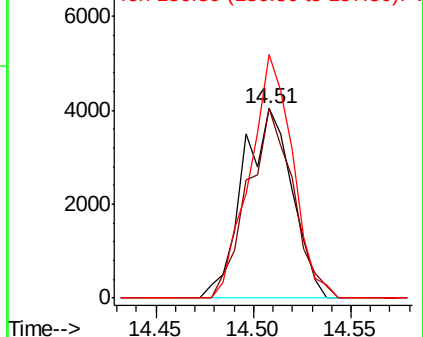


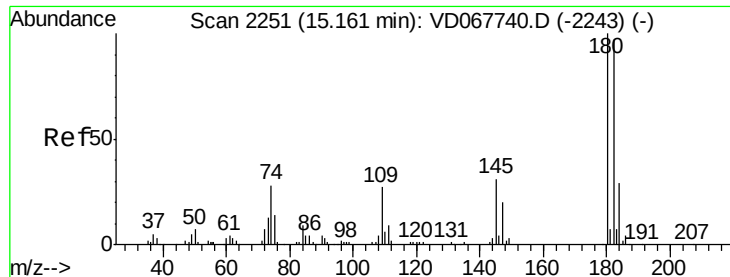
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

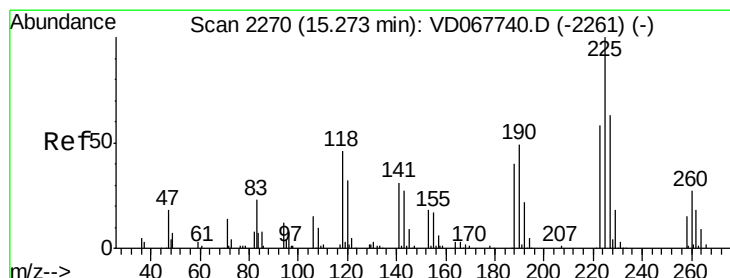
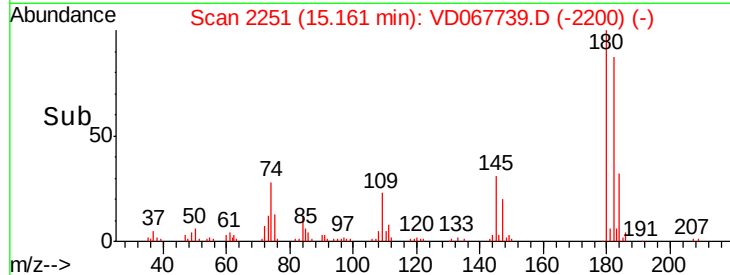
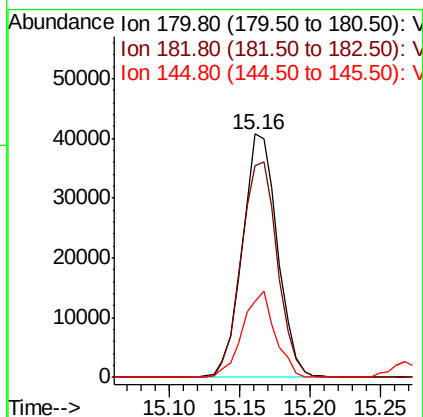
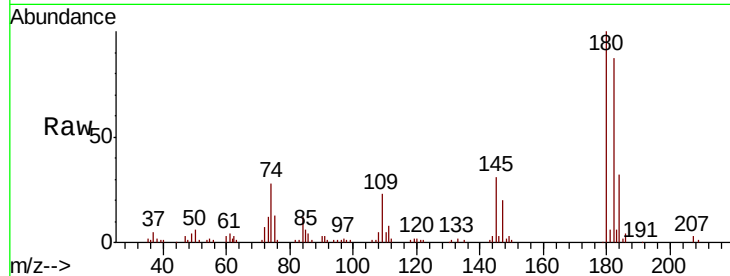




#93
 1,2,4-Trichlorobenzene
 Concen: 19.625 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

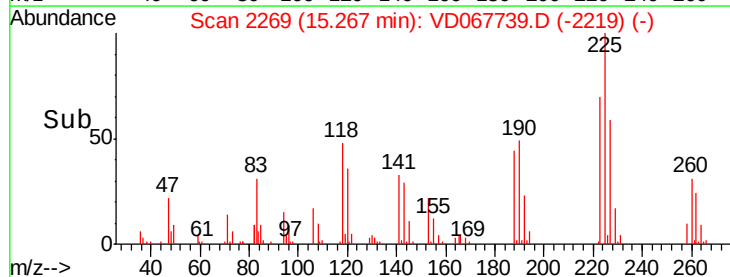
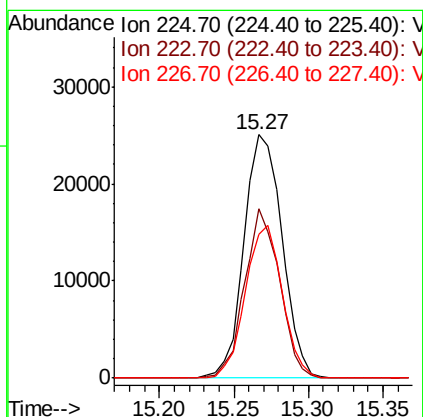
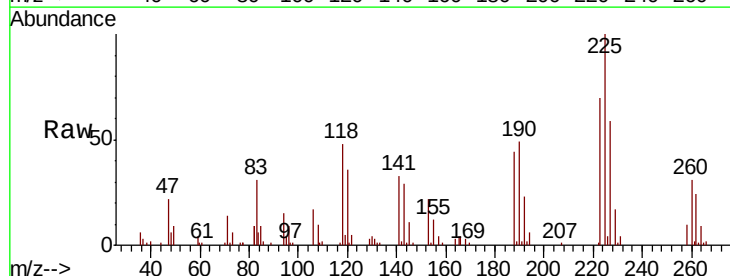
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

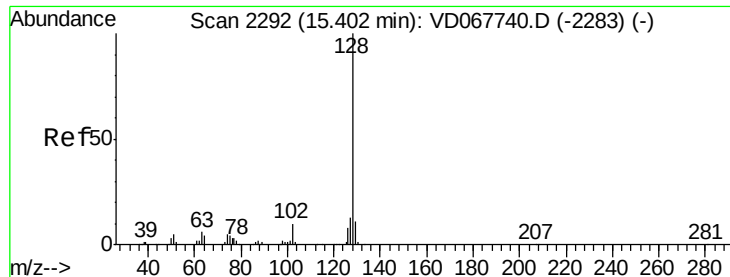
Tot Ion:180 Resp: 71031
 Ion Ratio Lower Upper
 180 100
 182 91.4 47.4 142.2
 145 32.8 16.1 48.3



#94
 Hexachlorobutadiene
 Concen: 19.121 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion:225 Resp: 44394
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.5 94.5
 227 60.7 32.9 98.7





#95

Naphthalene

Concen: 19.331 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

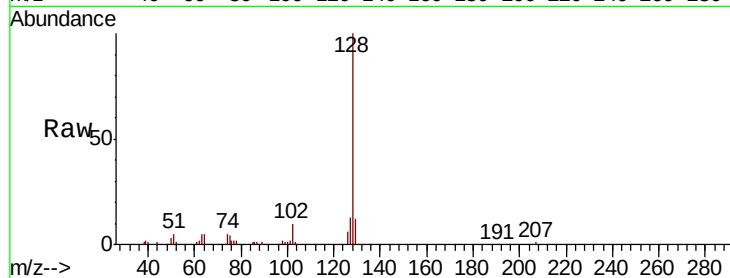
Tot Ion:128 Resp: 113373

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

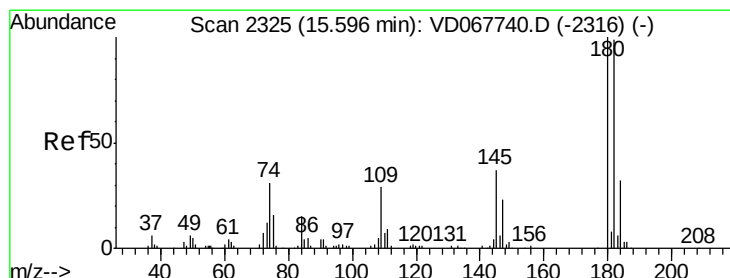
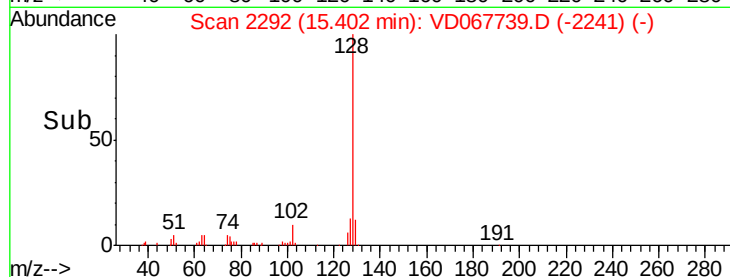
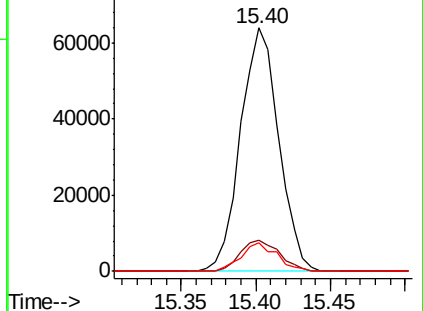
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.187 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

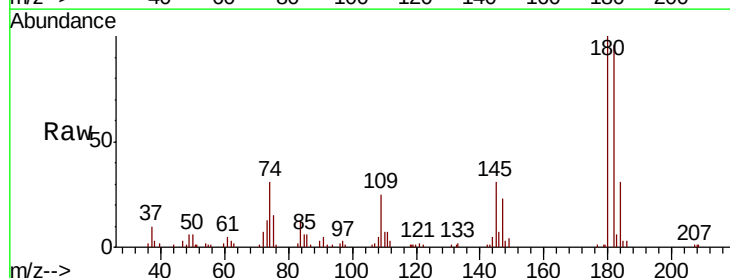
Tgt Ion:180 Resp: 58969

Ion Ratio Lower Upper

180 100

182 96.2 48.0 144.0

145 33.9 16.8 50.4



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

