

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067701.D
 Acq On : 19 Nov 2020 12:00
 Operator : VA/SY
 Sample : VD1119SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Quant Time: Nov 20 00:29:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	273823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	402873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	365637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	185174	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	112465	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
35) Dibromofluoromethane	7.92	113	113799	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
50) Toluene-d8	10.34	98	390897	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
62) 4-Bromofluorobenzene	12.64	95	142237	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	51556	20.584	ug/l	99
3) Chloromethane	2.21	50	31431	18.433	ug/l	95
4) Vinyl Chloride	2.36	62	35656	18.756	ug/l	97
5) Bromomethane	2.77	94	30614	19.868	ug/l	97
6) Chloroethane	2.93	64	24170	20.622	ug/l	98
7) Trichlorofluoromethane	3.28	101	103468	21.020	ug/l	93
8) Diethyl Ether	3.71	74	20753	20.924	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	52321	21.057	ug/l	99
10) Methyl Iodide	4.30	142	51571	19.365	ug/l	99
11) Tert butyl alcohol	5.19	59	20231	191.337	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	46593	20.387	ug/l #	88
13) Acrolein	3.93	56	4169	63.134	ug/l #	81
14) Allyl chloride	4.72	41	48098	19.664	ug/l	95
15) Acrylonitrile	5.43	53	35448	96.682	ug/l	93
16) Acetone	4.16	43	35094	97.948	ug/l #	88
17) Carbon Disulfide	4.41	76	129812	18.536	ug/l	96
18) Methyl Acetate	4.72	43	16025	21.644	ug/l	89
19) Methyl tert-butyl Ether	5.48	73	96436	21.392	ug/l #	90
20) Methylene Chloride	4.97	84	58081	22.949	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	54303	20.400	ug/l	97
22) Diisopropyl ether	6.37	45	99882	20.954	ug/l	96
23) Vinyl Acetate	6.31	43	258249	103.503	ug/l	95
24) 1,1-Dichloroethane	6.27	63	80256	20.581	ug/l	93
25) 2-Butanone	7.21	43	39679	103.643	ug/l	92
26) 2,2-Dichloropropane	7.21	77	90925	22.093	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	58765	21.269	ug/l	97
28) Bromochloromethane	7.55	49	27426	19.773	ug/l	97
29) Tetrahydrofuran	7.57	42	23745	103.543	ug/l	97
30) Chloroform	7.71	83	100005	21.497	ug/l	98
31) Cyclohexane	7.98	56	66373	19.113	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	102487	21.352	ug/l	98
36) 1,1-Dichloropropene	8.11	75	71918	20.855	ug/l	99
37) Ethyl Acetate	7.30	43	18491	20.653	ug/l	97
38) Carbon Tetrachloride	8.10	117	99798	22.273	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81079	19.976	ug/l	93
40) Benzene	8.36	78	204306	21.871	ug/l	98
41) Methacrylonitrile	7.53	41	11947	22.324	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	64877	22.479	ug/l	100
43) Isopropyl Acetate	8.46	43	37713	21.299	ug/l	100
44) Trichloroethene	9.12	130	65250	21.244	ug/l	93
45) 1,2-Dichloropropane	9.39	63	42816	21.200	ug/l	94
46) Dibromomethane	9.48	93	27895	21.723	ug/l	97
47) Bromodichloromethane	9.67	83	76662	21.964	ug/l	91
48) Methyl methacrylate	9.46	41	17778	19.446	ug/l #	89
49) 1,4-Dioxane	9.46	88	5703	437.472	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	91668	108.251	ug/l	99
52) Toluene	10.41	92	139529	22.301	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	65169	21.801	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	76316	21.488	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	37940	22.330	ug/l	98
56) Ethyl methacrylate	10.66	69	35627	20.305	ug/l	96
57) 1,3-Dichloropropane	10.95	76	60516	22.134	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	87812	107.321	ug/l	99
59) 2-Hexanone	10.99	43	63809	107.769	ug/l	96
60) Dibromochloromethane	11.14	129	56208	22.363	ug/l	97
61) 1,2-Dibromoethane	11.26	107	37742	22.133	ug/l	100
64) Tetrachloroethene	10.88	164	58431	21.578	ug/l	95
65) Chlorobenzene	11.67	112	153222	21.755	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	61930	22.310	ug/l	98
67) Ethyl Benzene	11.75	91	259416	21.524	ug/l	98
68) m/p-Xylenes	11.86	106	210718	44.940	ug/l	97
69) o-Xylene	12.18	106	94047	22.465	ug/l	96
70) Styrene	12.20	104	161365	22.121	ug/l	100
71) Bromoform	12.36	173	31014	21.906	ug/l #	95
73) Isopropylbenzene	12.48	105	262872	21.966	ug/l	100
74) N-amyl acetate	12.29	43	31596	20.064	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	36809	22.556	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	22406	20.058	ug/l #	100
77) Bromobenzene	12.77	156	64584	21.974	ug/l	98
78) n-propylbenzene	12.83	91	300378	21.943	ug/l	100
79) 2-Chlorotoluene	12.91	91	167799	21.580	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	234460	22.934	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11176	20.312	ug/l	92
82) 4-Chlorotoluene	13.01	91	186259	22.334	ug/l	100
83) tert-Butylbenzene	13.23	119	196815	22.716	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	228857	22.489	ug/l	100
85) sec-Butylbenzene	13.41	105	257224	21.992	ug/l	97
86) p-Isopropyltoluene	13.52	119	253310	22.427	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	125545	22.386	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	123897	21.818	ug/l	99
89) n-Butylbenzene	13.84	91	212412	21.772	ug/l	98
90) Hexachloroethane	14.11	117	46116	21.681	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	107688	22.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6271	21.704	ug/l	92

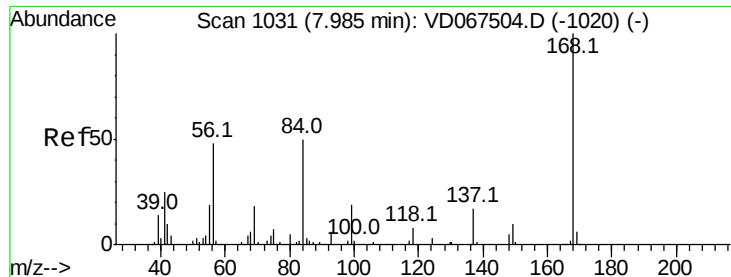
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72416	21.982	ug/l	99
94) Hexachlorobutadiene	15.27	225	47325	21.465	ug/l	98
95) Naphthalene	15.40	128	111813	21.994	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	60536	21.459	ug/l	94

(#) = 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: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

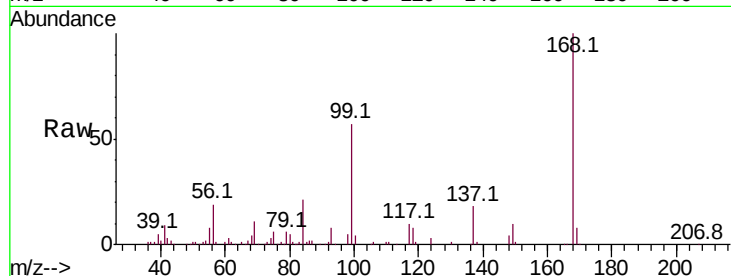
VD1119SBSD01

Tot Ion:168 Resp: 273823

Ion Ratio Lower Upper

168 100

99 56.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

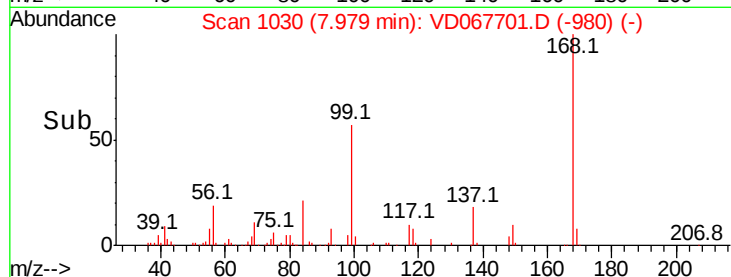
7.98

100000

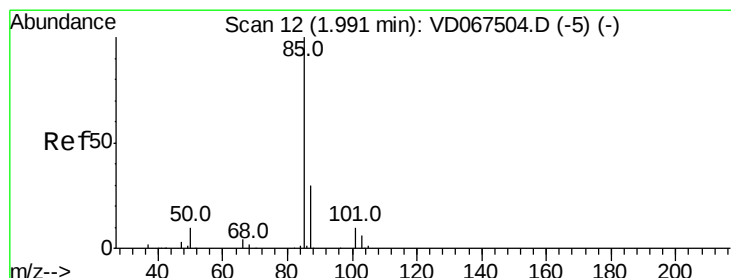
50000

0

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 20.584 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067701.D

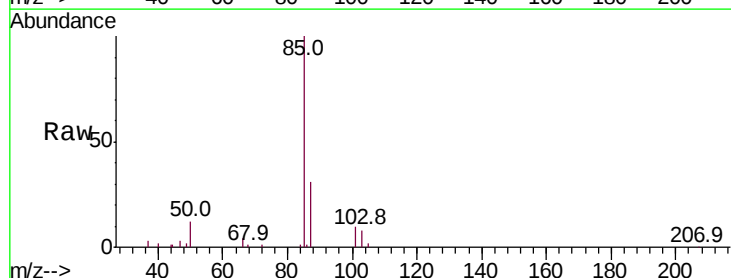
Acq: 19 Nov 2020 12:00

Tgt Ion: 85 Resp: 51556

Ion Ratio Lower Upper

85 100

87 31.3 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

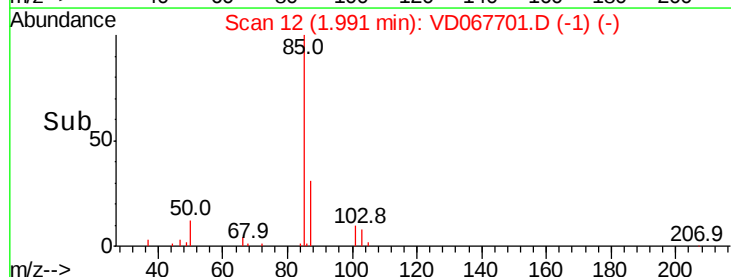
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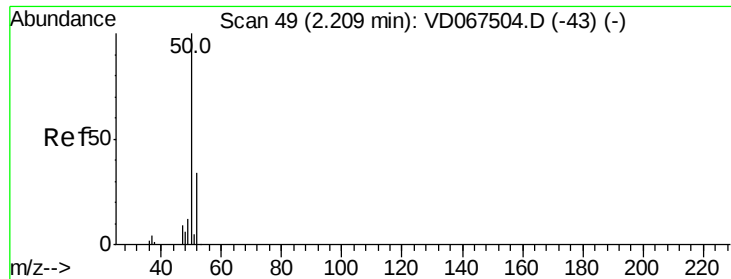
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.433 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

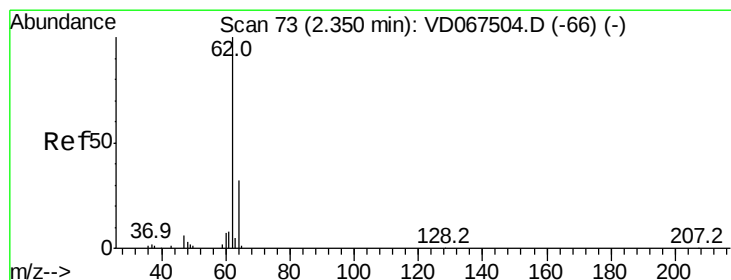
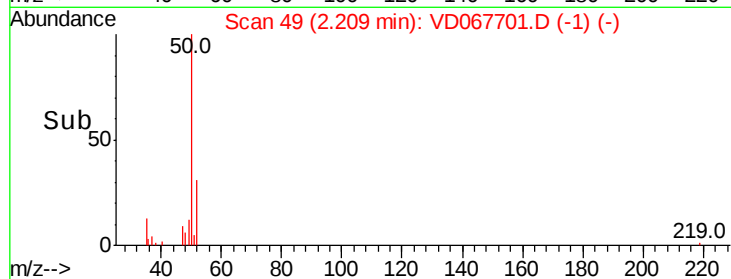
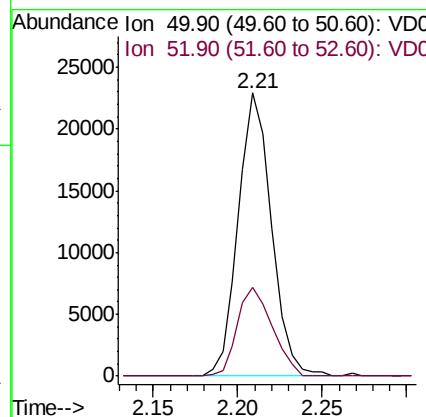
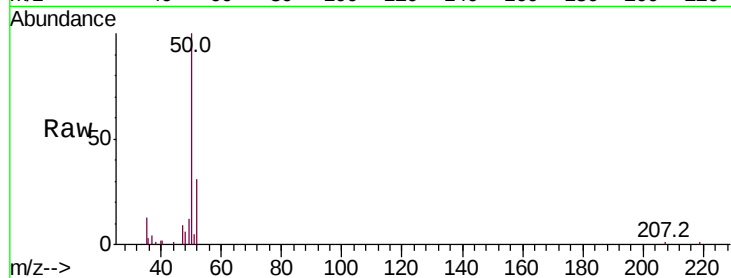
VD1119SBSD01

Tot Ion: 50 Resp: 31431

Ion Ratio Lower Upper

50 100

52 31.5 27.3 40.9



#4

Vinyl Chloride

Concen: 18.756 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067701.D

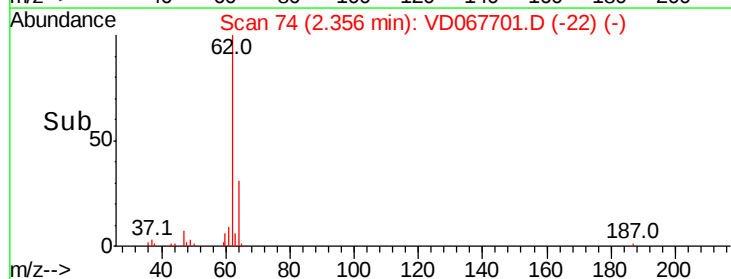
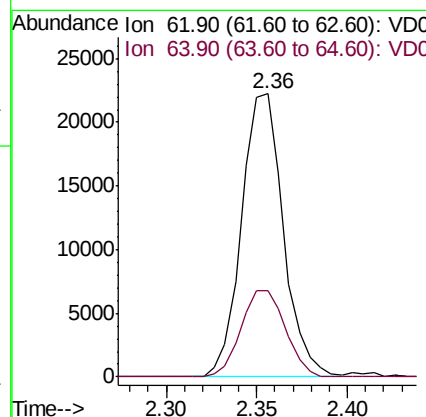
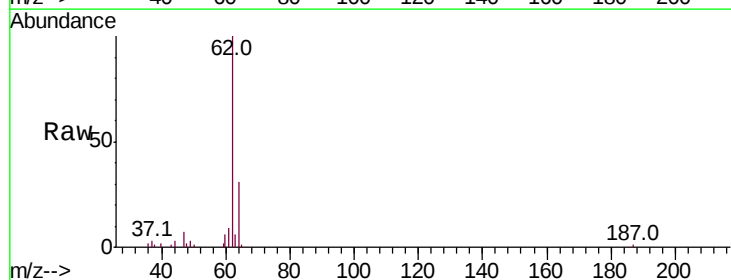
Acq: 19 Nov 2020 12:00

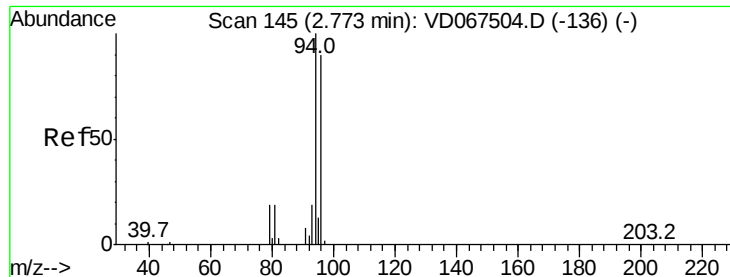
Tgt Ion: 62 Resp: 35656

Ion Ratio Lower Upper

62 100

64 30.6 25.6 38.4





#5

Bromomethane

Concen: 19.868 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

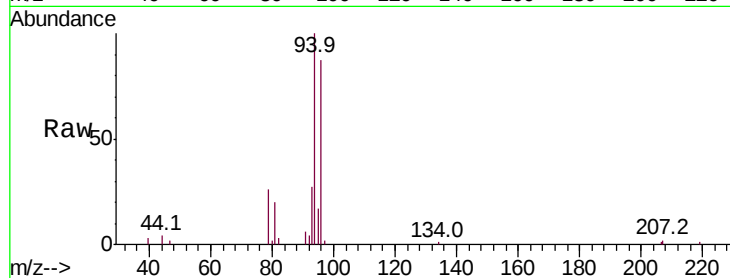
VD1119SBS01

Tot Ion: 94 Resp: 30614

Ion Ratio Lower Upper

94 100

96 87.2 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

15000

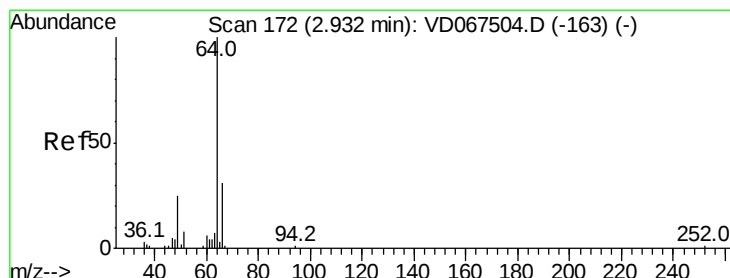
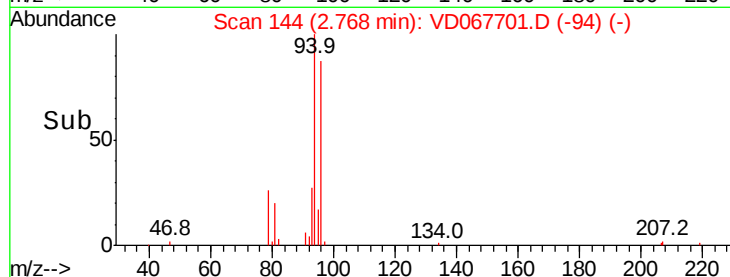
10000

5000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 20.622 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067701.D

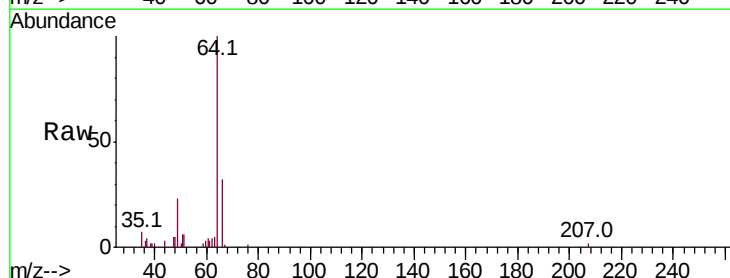
Acq: 19 Nov 2020 12:00

Tgt Ion: 64 Resp: 24170

Ion Ratio Lower Upper

64 100

66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

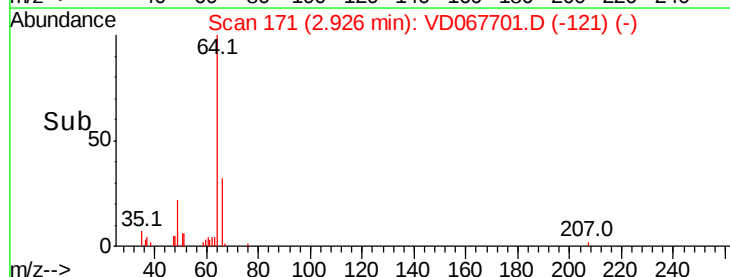
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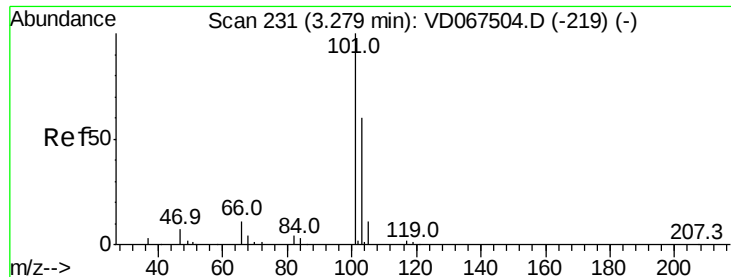
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0

2.85 2.90 2.95 3.00

Time-->



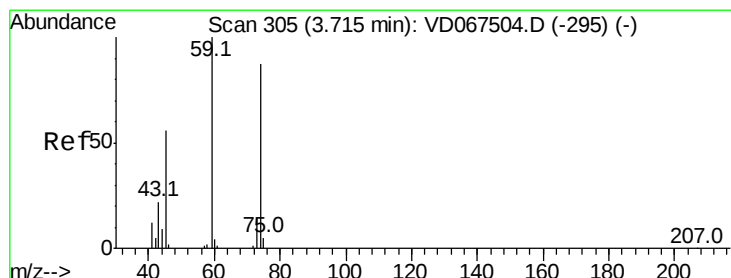
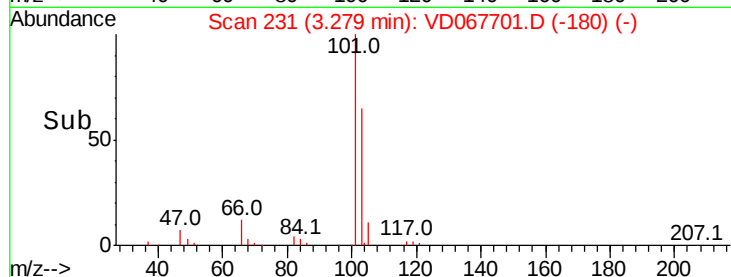
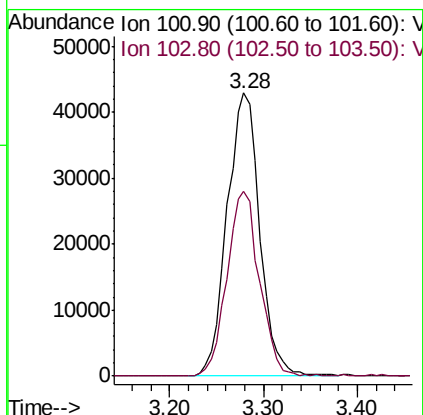
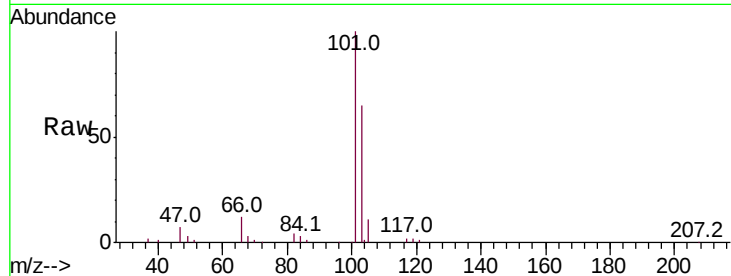


#7

Trichlorofluoromethane
 Concen: 21.020 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

Instrument :
 MSVOA_D
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 VD1119SBSD01

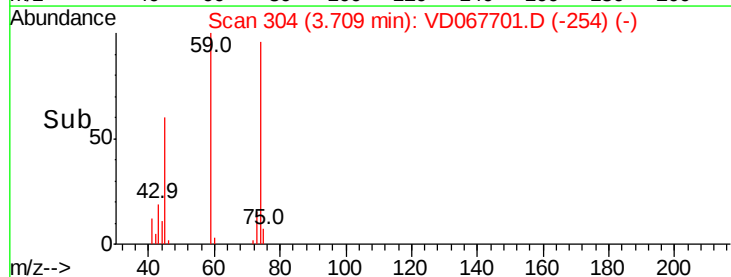
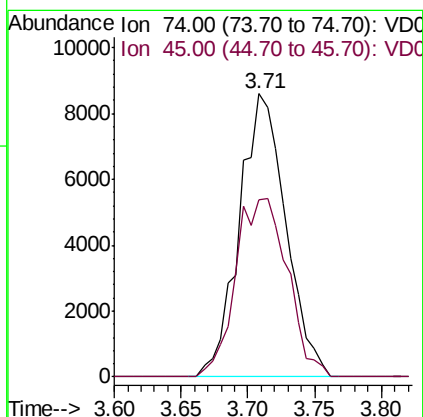
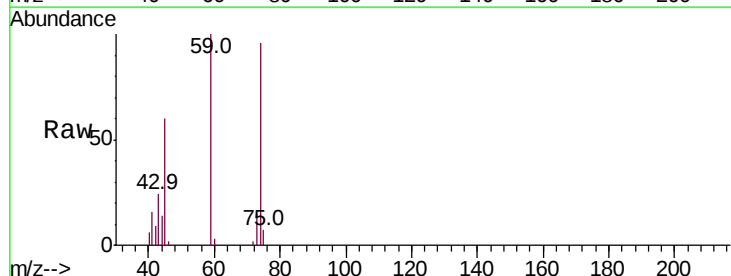
Tot Ion:101 Resp: 103468
 Ion Ratio Lower Upper
 101 100
 103 65.5 48.1 72.1

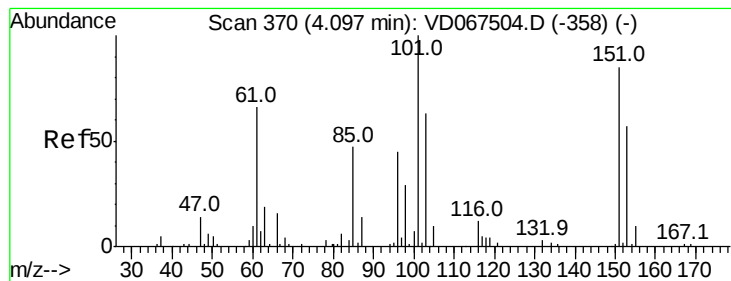


#8

Diethyl Ether
 Concen: 20.924 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

Tgt Ion: 74 Resp: 20753
 Ion Ratio Lower Upper
 74 100
 45 70.4 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.057 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

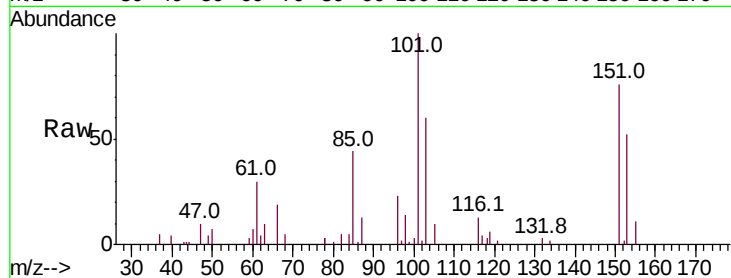
Tot Ion:101 Resp: 52321

Ion Ratio Lower Upper

101 100

85 44.0 34.4 51.6

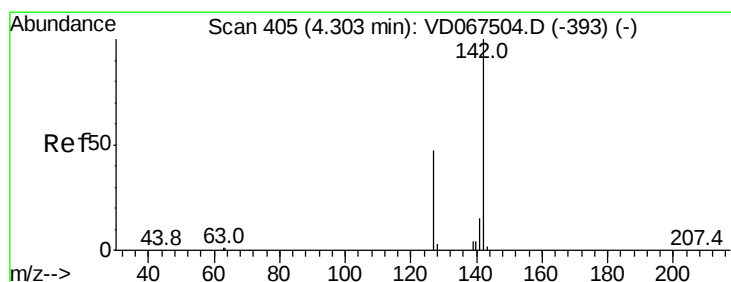
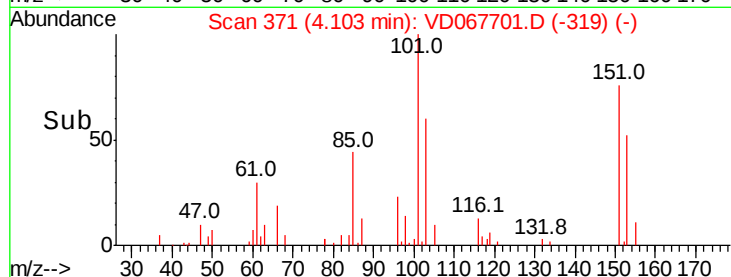
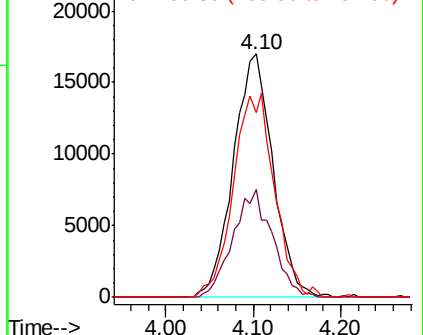
151 86.3 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.365 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

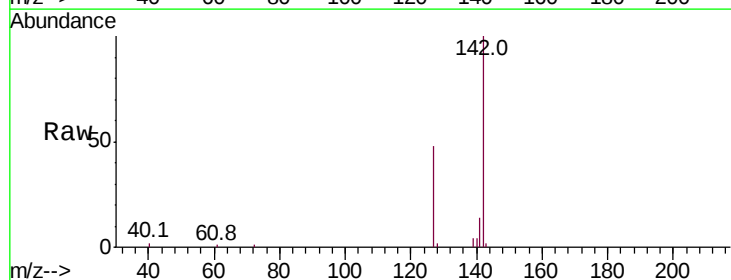
Tgt Ion:142 Resp: 51571

Ion Ratio Lower Upper

142 100

127 51.0 40.0 60.0

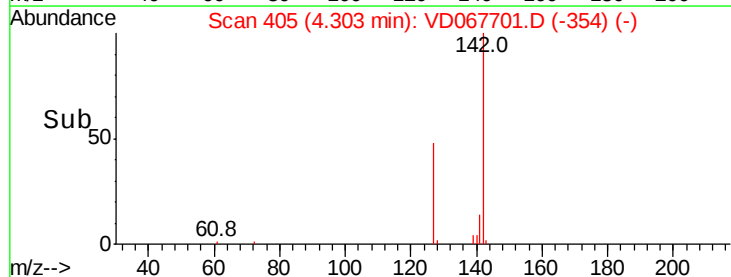
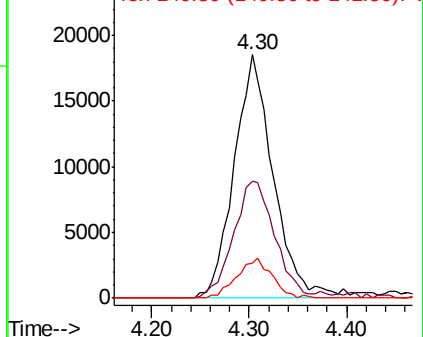
141 14.5 11.7 17.5

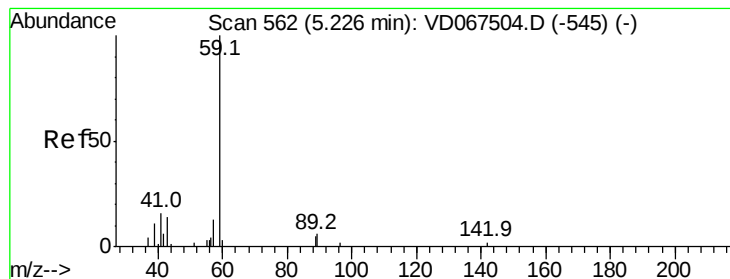


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



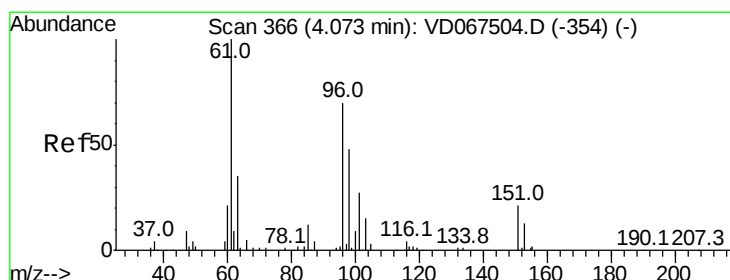
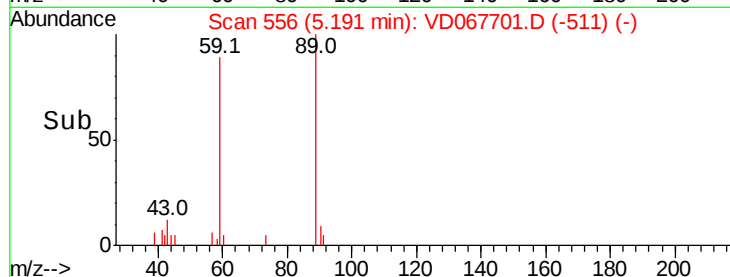
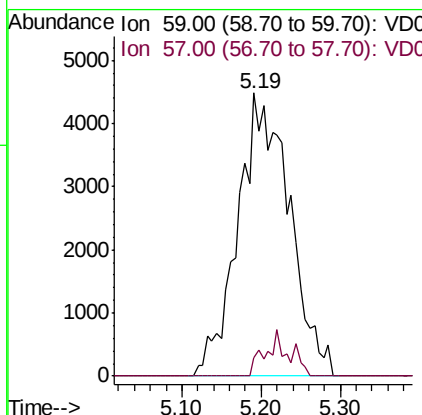
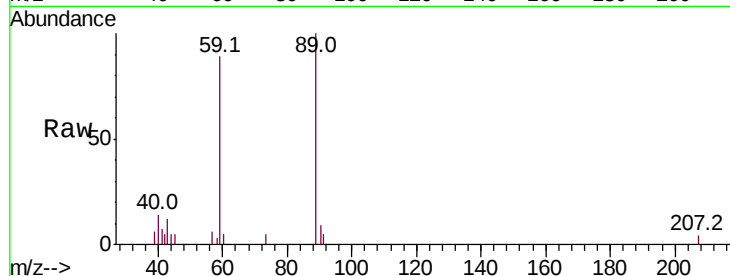


#11

Tert butyl alcohol
Concen: 191.337 ug/l
RT: 5.19 min Scan# 556
Delta R.T. -0.04 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

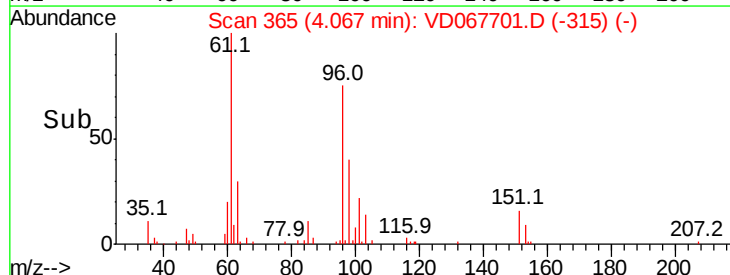
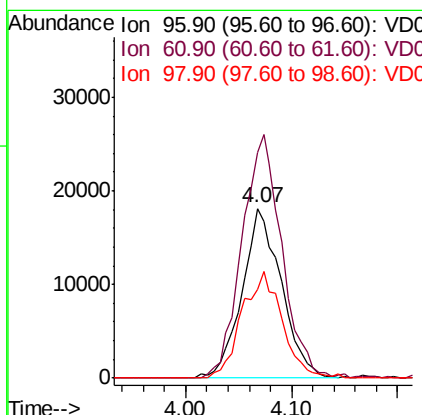
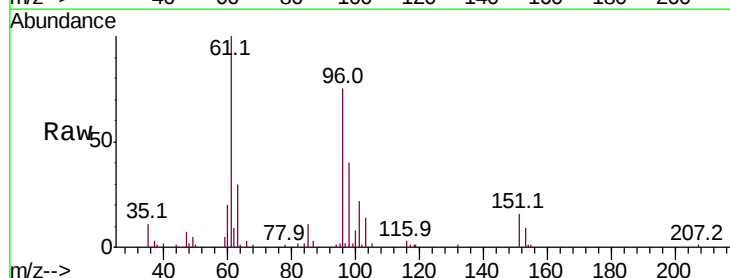
Tot Ion: 59 Resp: 20231
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#

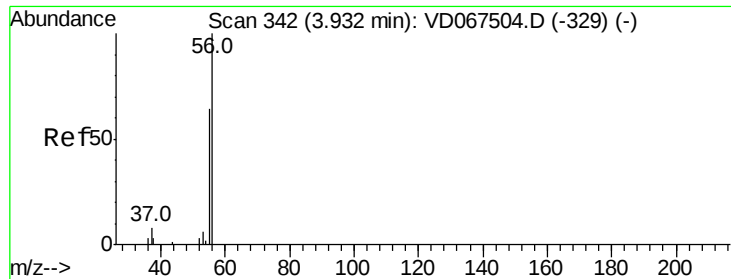


#12

1,1-Dichloroethene
Concen: 20.387 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion: 96 Resp: 46593
Ion Ratio Lower Upper
96 100
61 132.5 114.5 171.7
98 52.6 54.5 81.7#





#13

Acrolein

Concen: 63.134 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

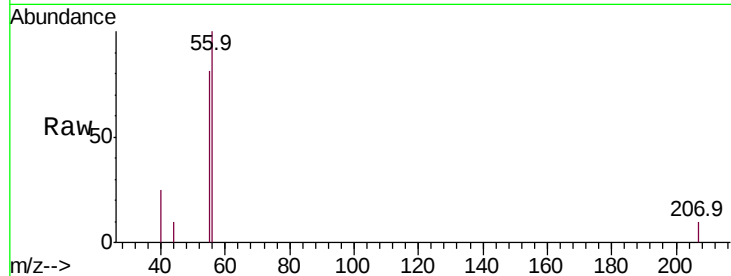
VD1119SBSD01

Tot Ion: 56 Resp: 4169

Ion Ratio Lower Upper

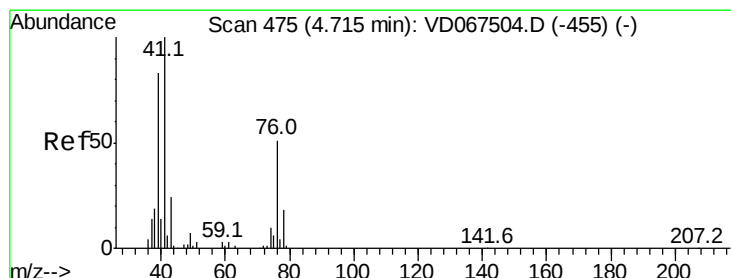
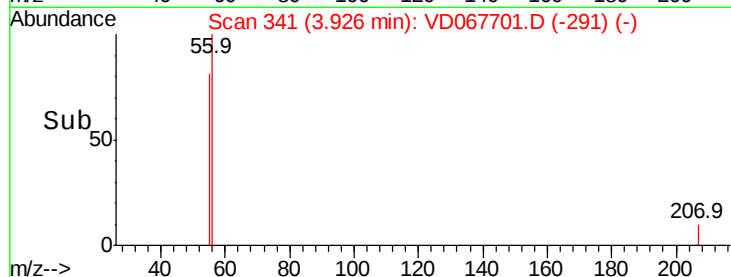
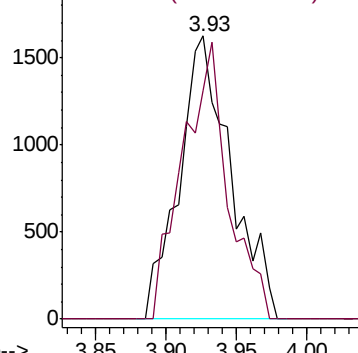
56 100

55 85.7 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.664 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

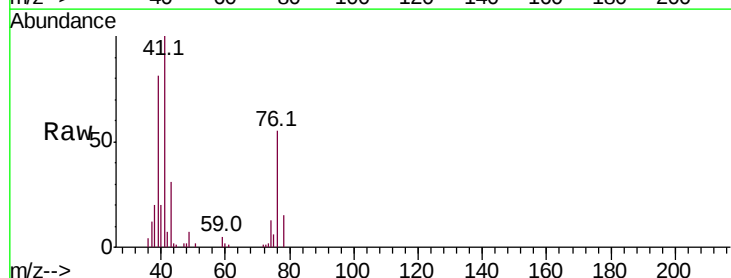
Tgt Ion: 41 Resp: 48098

Ion Ratio Lower Upper

41 100

39 89.8 67.4 101.0

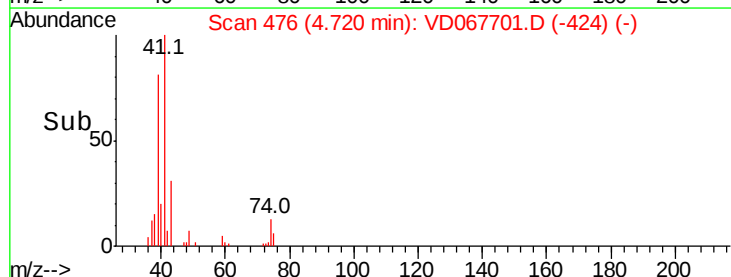
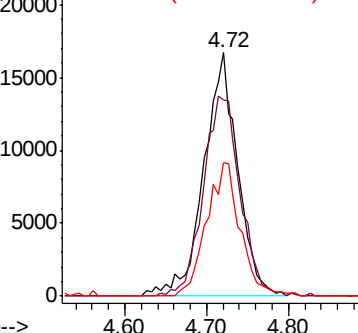
76 54.7 42.2 63.2

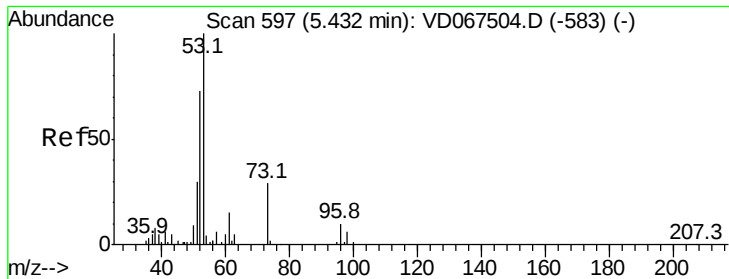


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 96.682 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

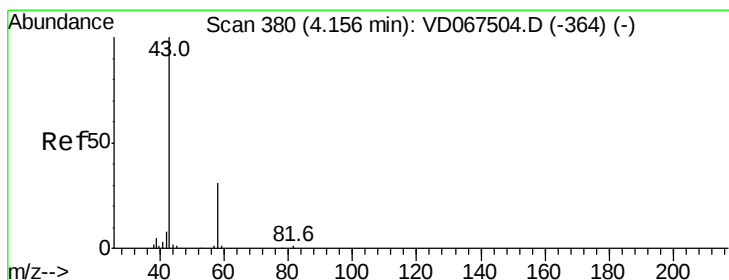
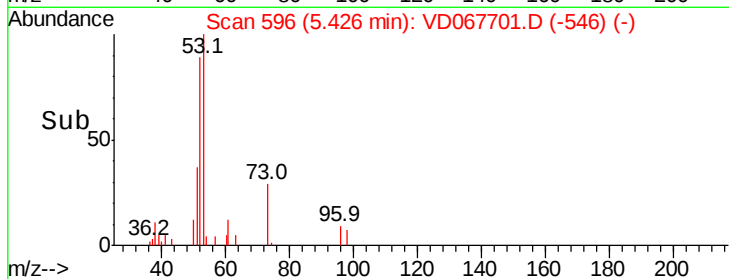
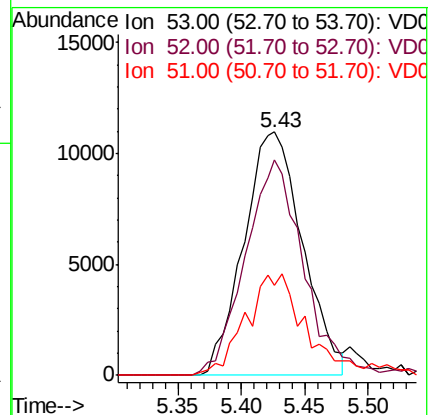
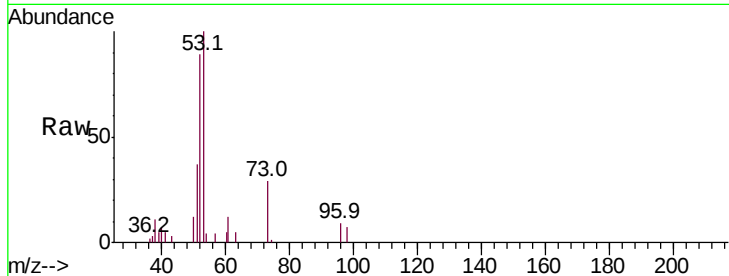
Tot Ion: 53 Resp: 35448

Ion Ratio Lower Upper

53 100

52 87.1 64.8 97.2

51 41.8 29.5 44.3



#16

Acetone

Concen: 97.948 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067701.D

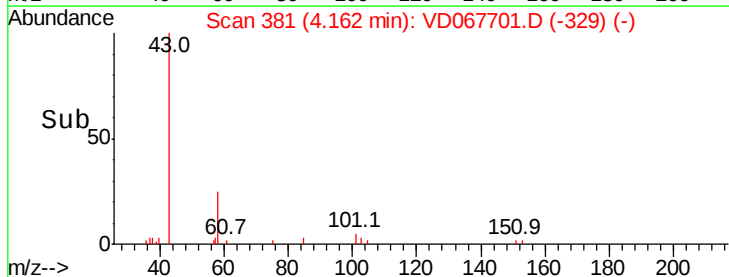
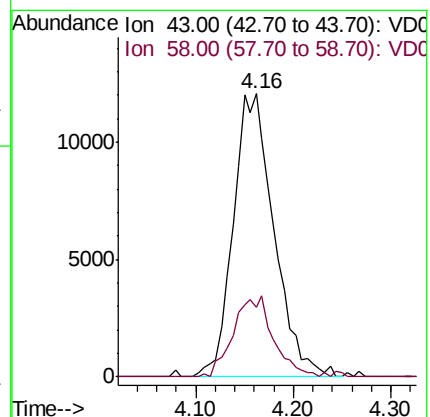
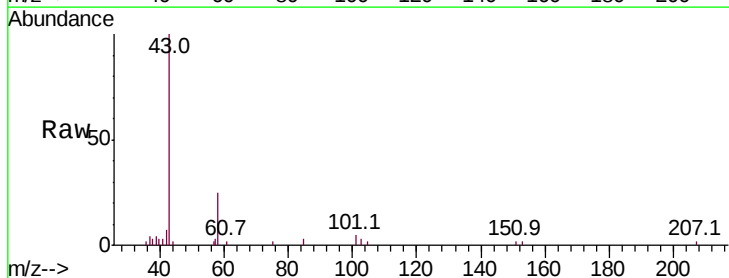
Acq: 19 Nov 2020 12:00

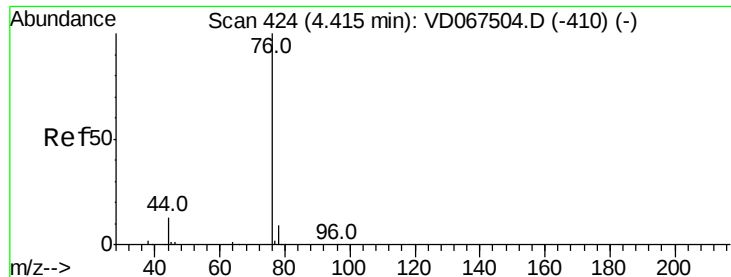
Tgt Ion: 43 Resp: 35094

Ion Ratio Lower Upper

43 100

58 24.7 25.2 37.8#

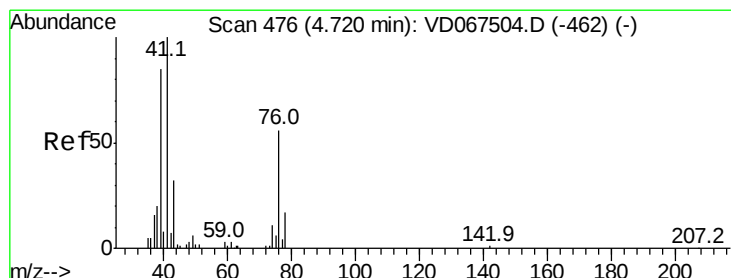
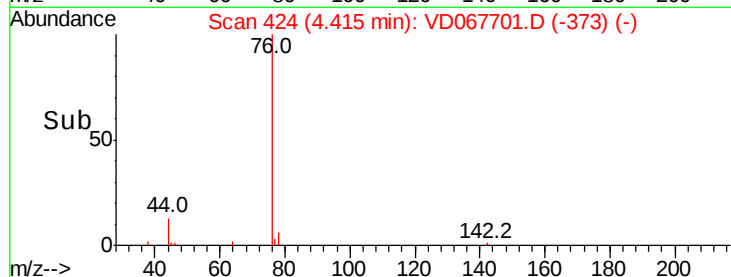
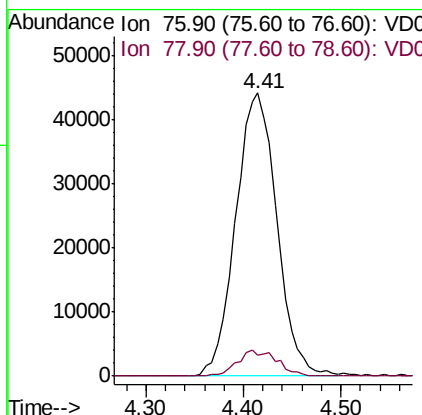
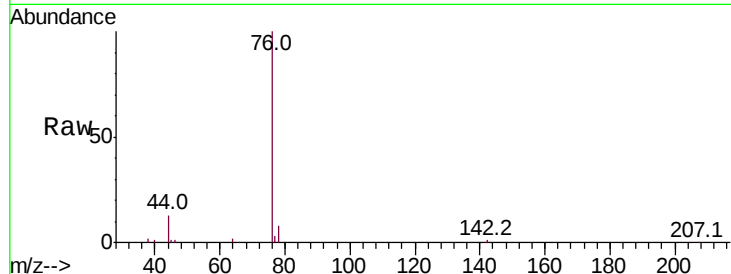




#17
Carbon Disulfide
Concen: 18.536 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

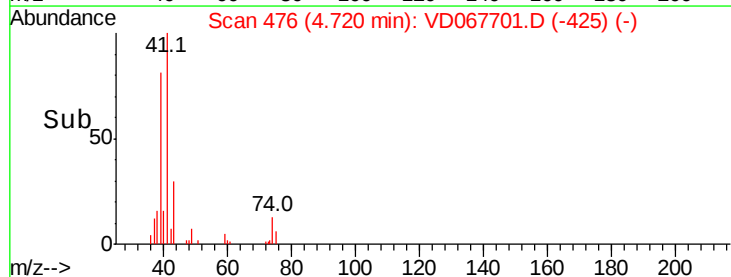
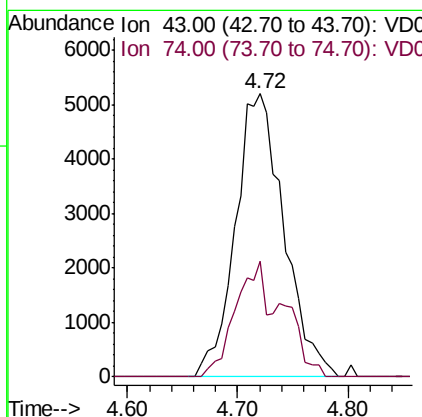
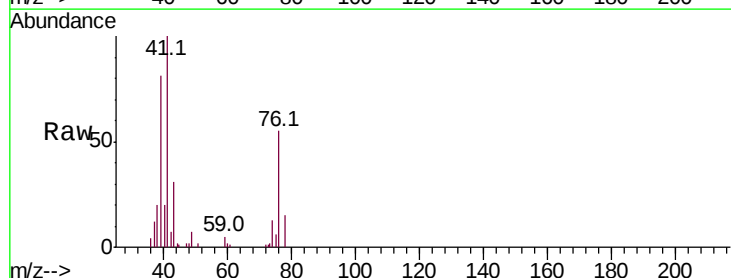
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

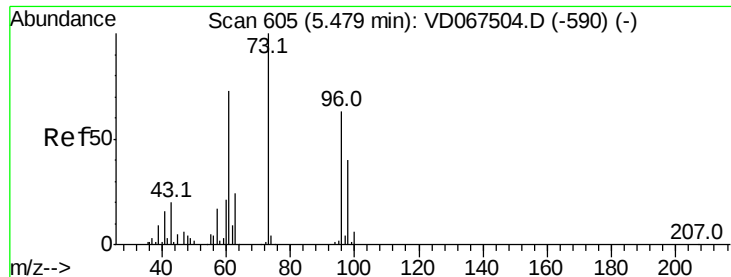
Tot Ion: 76 Resp: 129812
Ion Ratio Lower Upper
76 100
78 7.6 7.2 10.8



#18
Methyl Acetate
Concen: 21.644 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion: 43 Resp: 16025
Ion Ratio Lower Upper
43 100
74 27.6 27.2 40.8

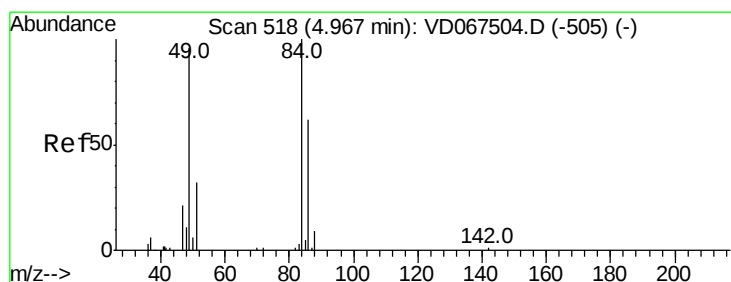
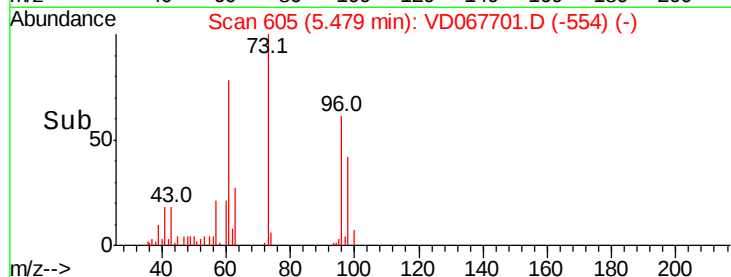
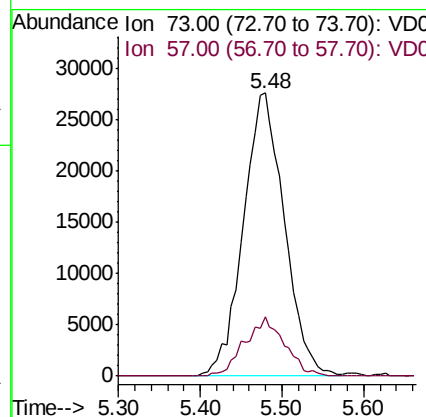
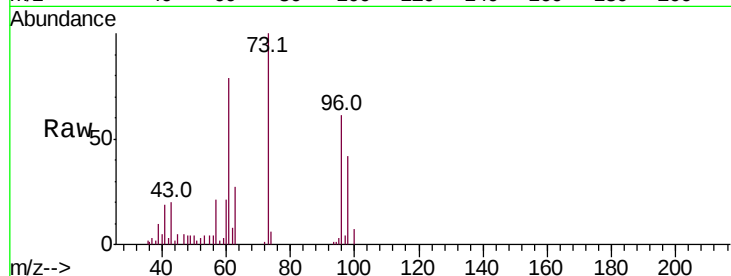




#19
Methvl tert-butvl Ether
Concen: 21.392 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

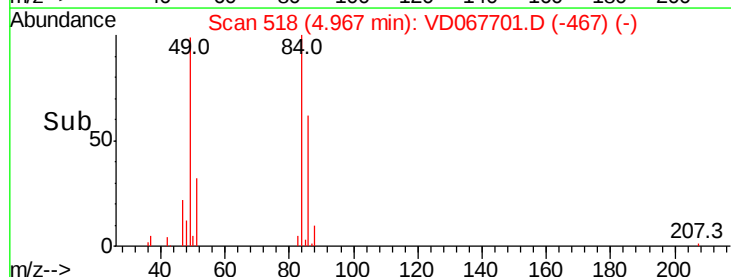
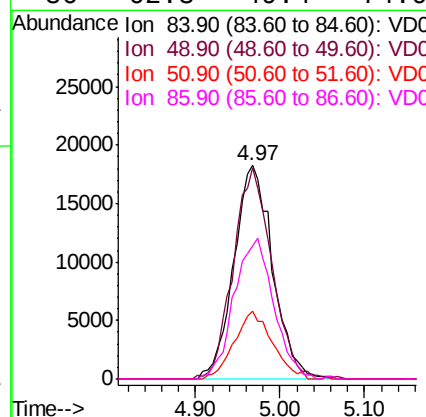
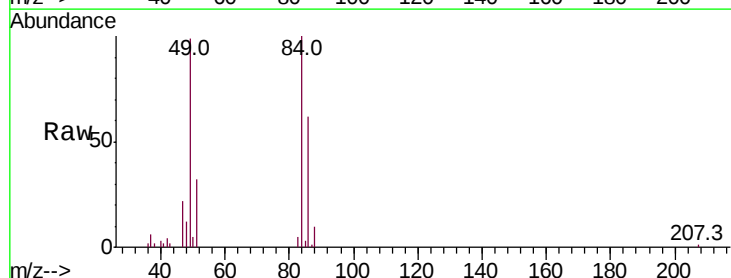
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

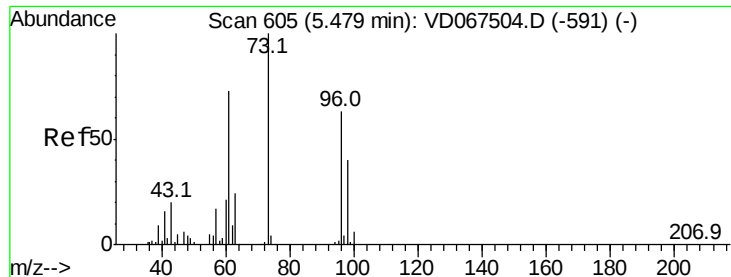
Tot Ion: 73 Resp: 96436
Ion Ratio Lower Upper
73 100
57 20.9 13.4 20.0#



#20
Methylene Chloride
Concen: 22.949 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion: 84 Resp: 58081
Ion Ratio Lower Upper
84 100
49 99.0 77.0 115.4
51 31.9 25.4 38.2
86 62.3 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.400 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

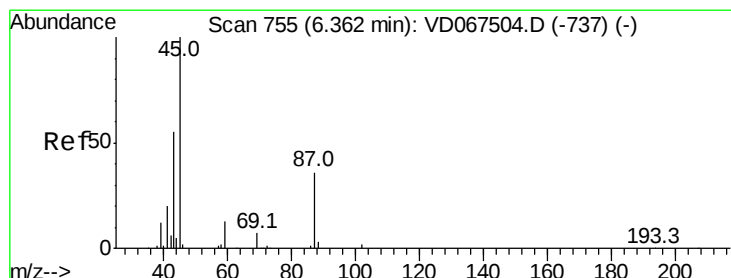
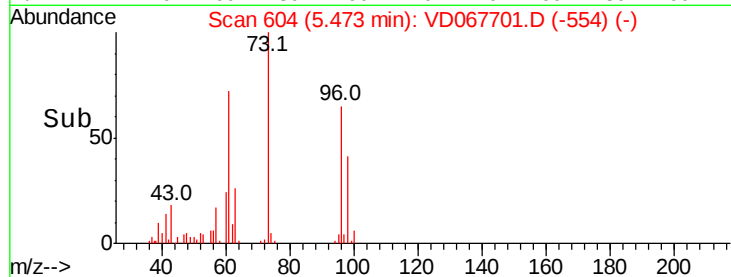
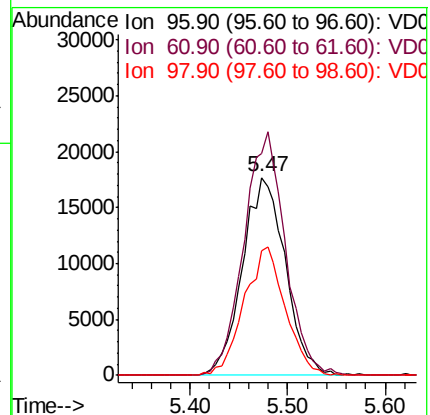
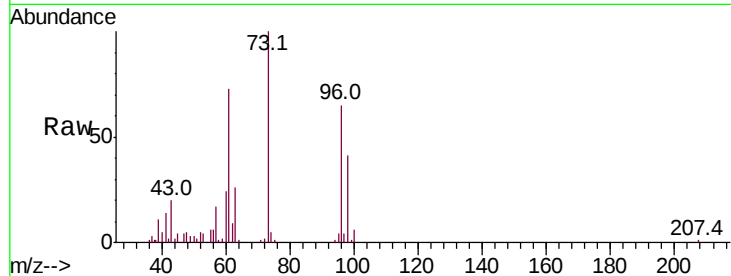
Tot Ion: 96 Resp: 54303

Ion Ratio Lower Upper

96 100

61 112.3 93.0 139.6

98 62.7 50.9 76.3



#22

Diisopropyl ether

Concen: 20.954 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Tgt Ion: 45 Resp: 99882

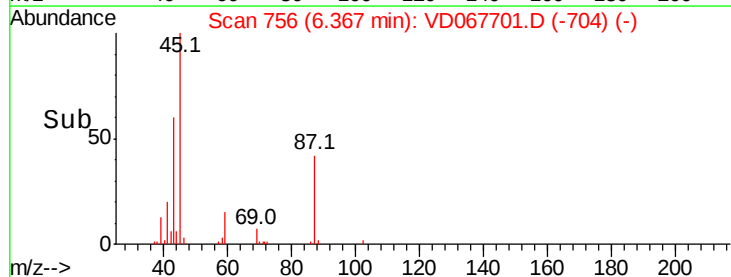
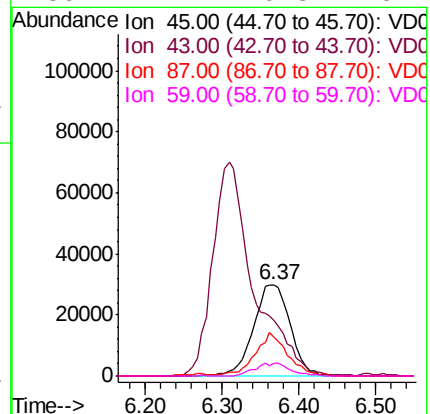
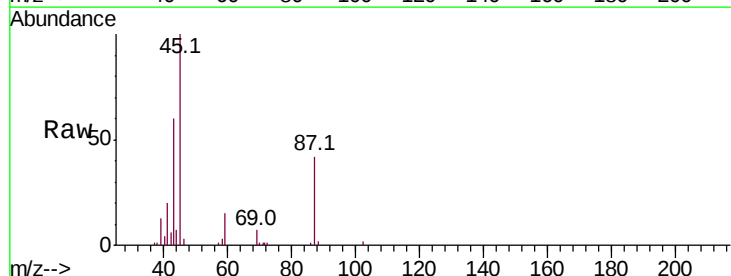
Ion Ratio Lower Upper

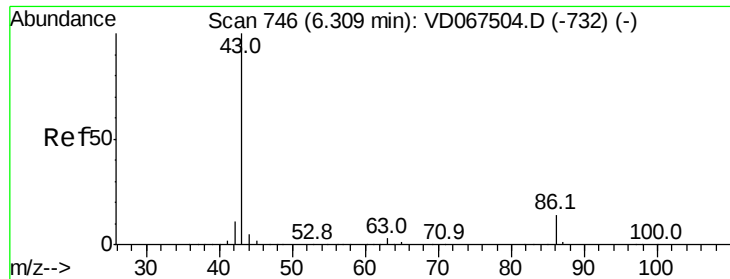
45 100

43 58.9 46.2 69.4

87 42.0 29.4 44.2

59 14.7 10.8 16.2





#23

Vinyl Acetate

Concen: 103.503 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

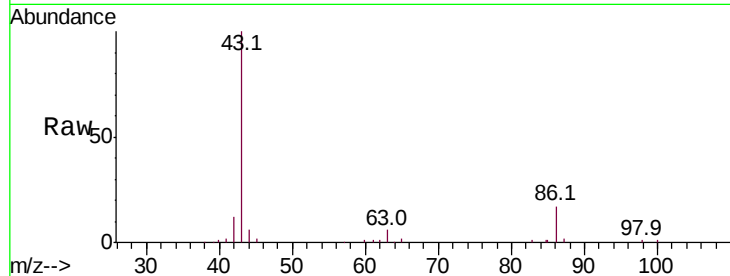
VD1119SBS01

Tot Ion: 43 Resp: 258249

Ion Ratio Lower Upper

43 100

86 16.5 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

80000

60000

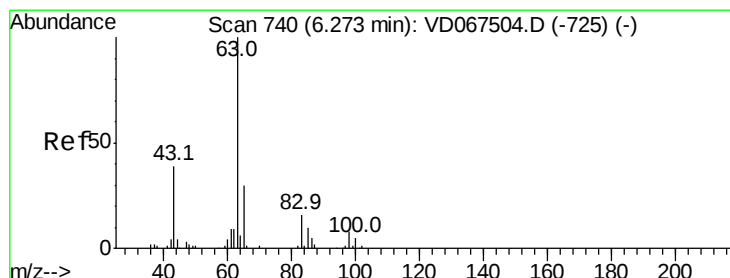
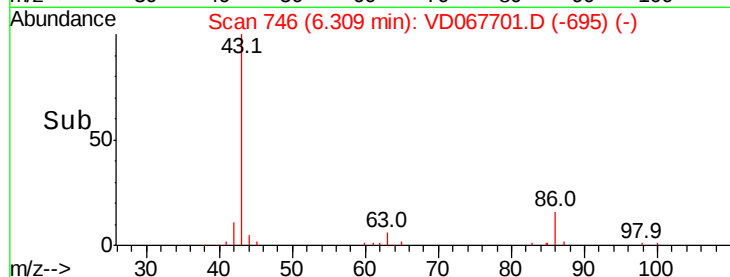
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.581 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

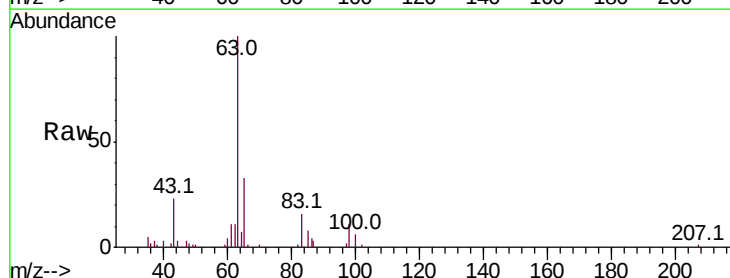
Tgt Ion: 63 Resp: 80256

Ion Ratio Lower Upper

63 100

98 11.0 3.9 11.5

100 6.0 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

30000

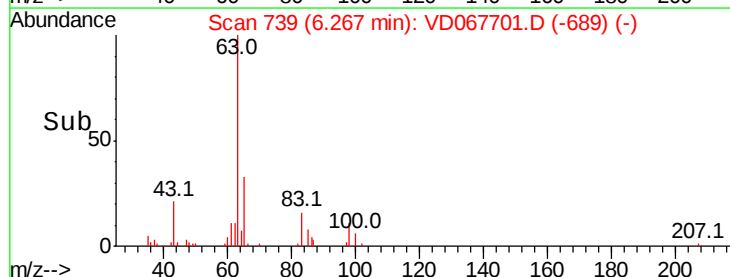
20000

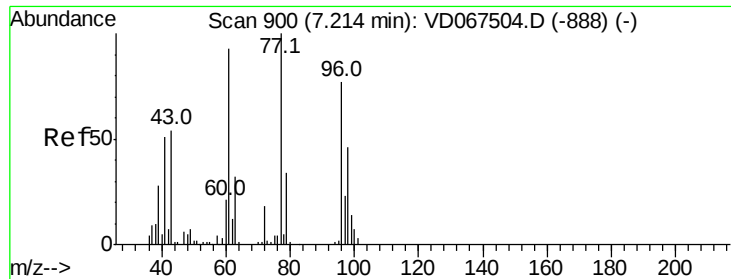
10000

0

Time-->

6.20 6.30





#25

2-Butanone

Concen: 103.643 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

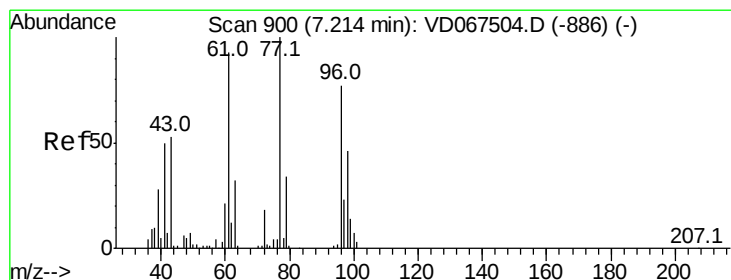
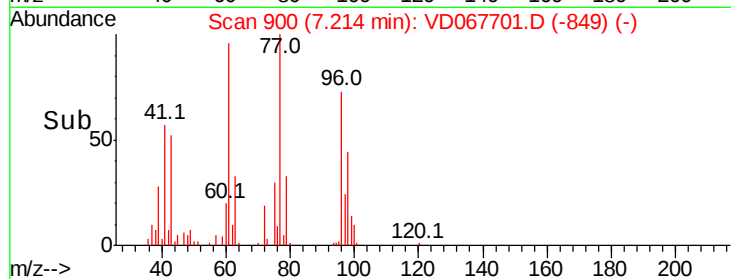
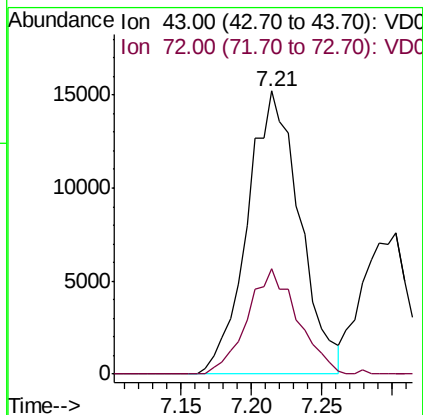
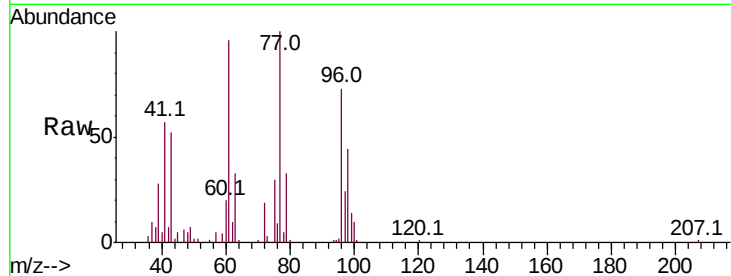
VD1119SBS01

Tot Ion: 43 Resp: 39679

Ion Ratio Lower Upper

43 100

72 37.4 26.4 39.6



#26

2,2-Dichloropropane

Concen: 22.093 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067701.D

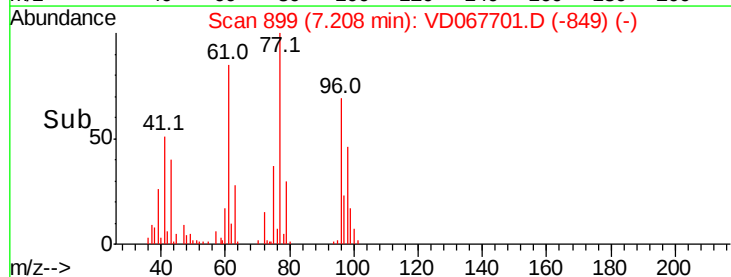
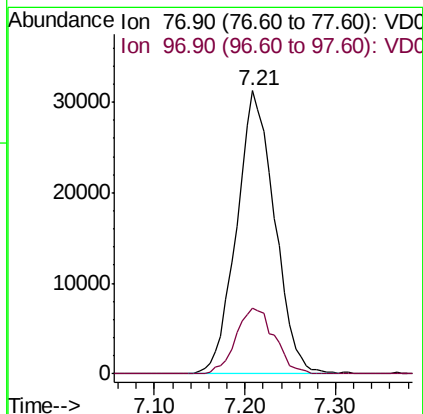
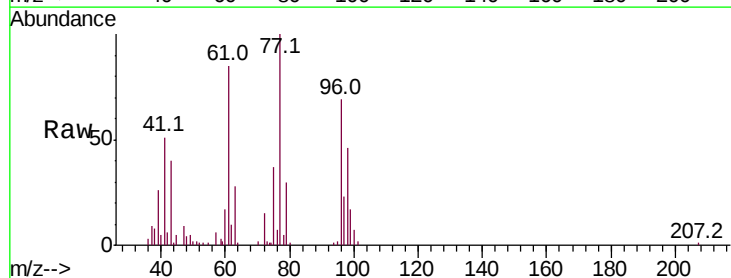
Acq: 19 Nov 2020 12:00

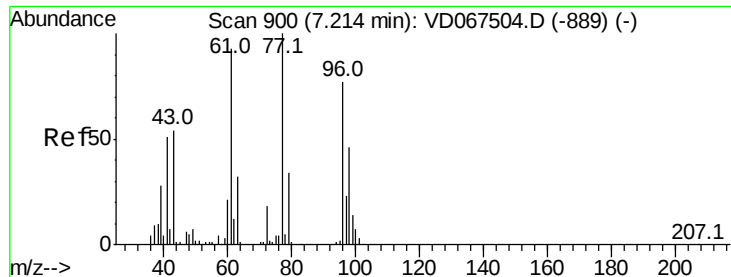
Tgt Ion: 77 Resp: 90925

Ion Ratio Lower Upper

77 100

97 23.6 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 21.269 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

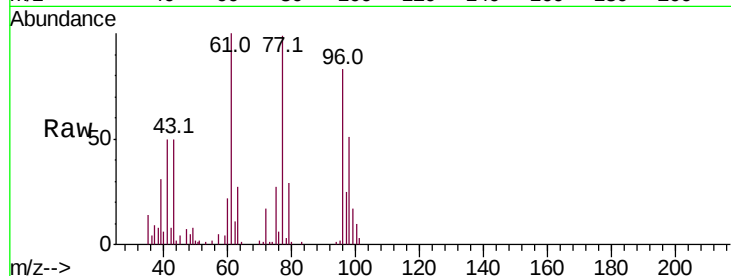
Tot Ion: 96 Resp: 58765

Ion Ratio Lower Upper

96 100

61 129.6 0.0 251.6

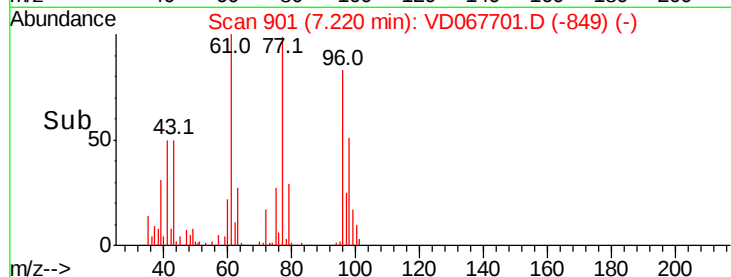
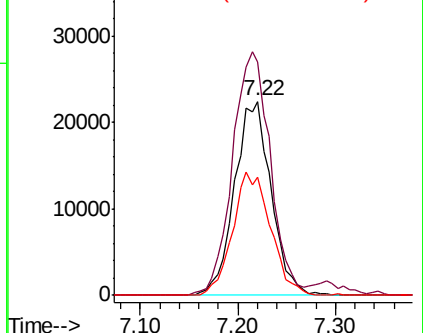
98 65.5 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 19.773 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

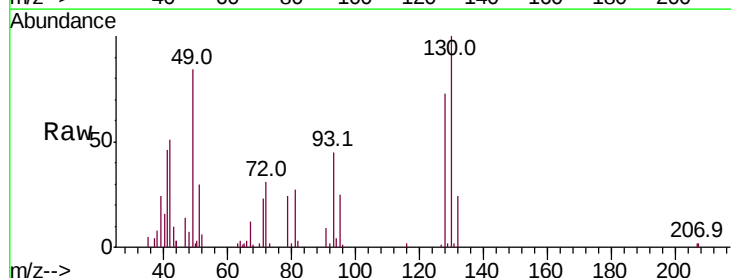
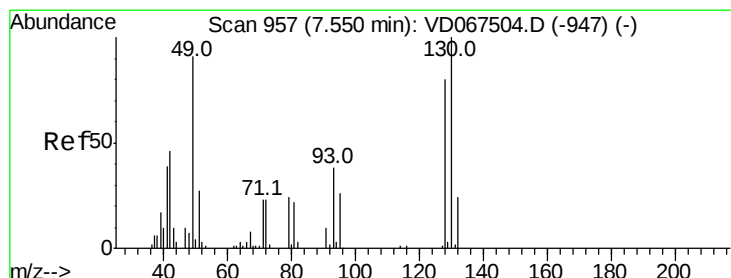
Tgt Ion: 49 Resp: 27426

Ion Ratio Lower Upper

49 100

129 1.8 0.0 6.4

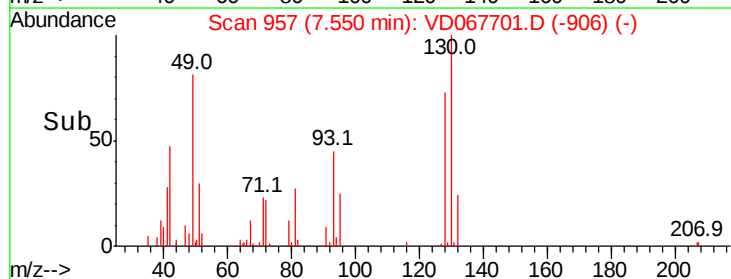
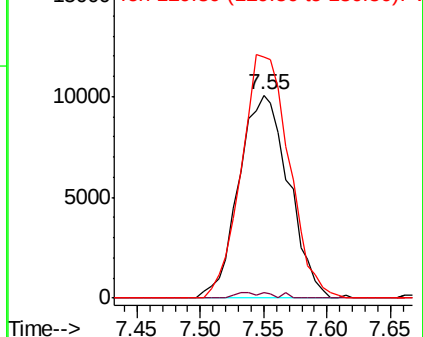
130 115.6 94.6 142.0

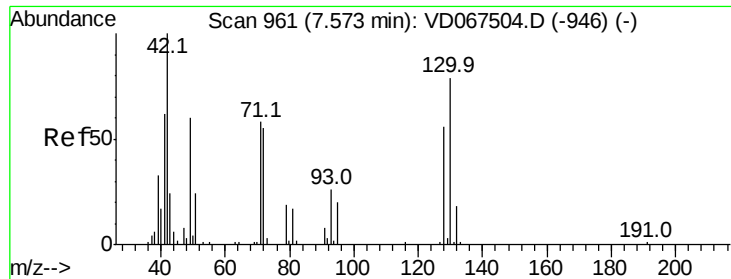


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

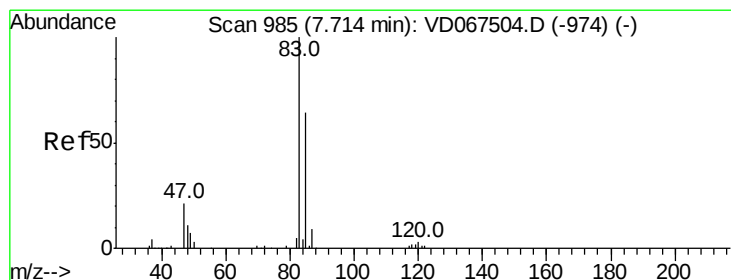
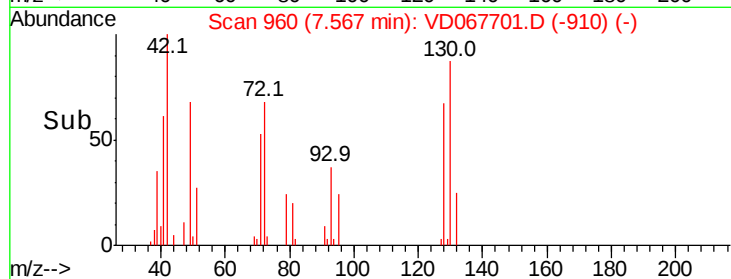
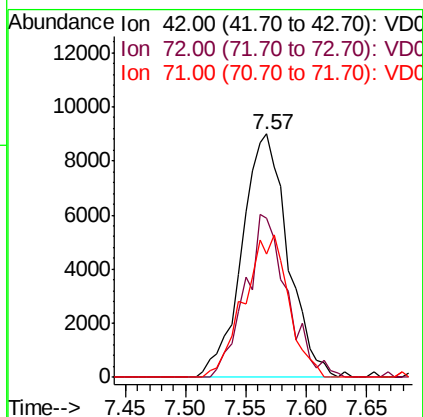
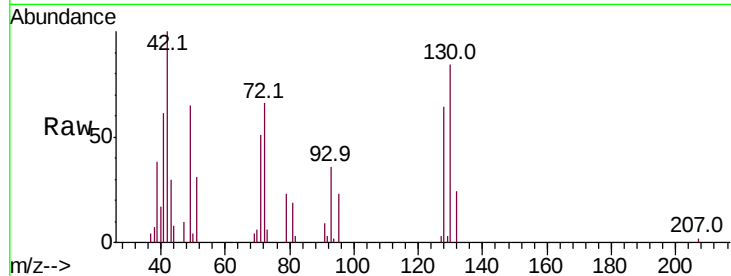




#29
Tetrahydrofuran
Concen: 103.543 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

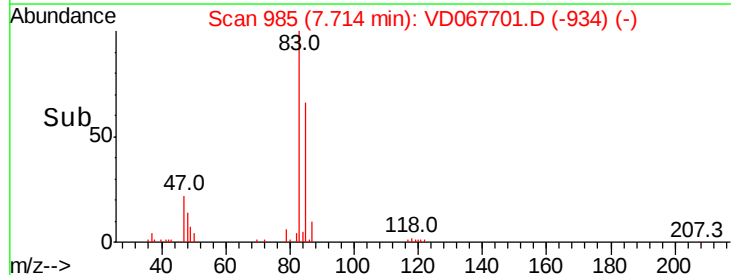
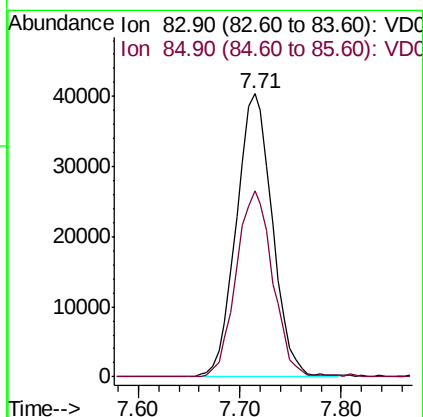
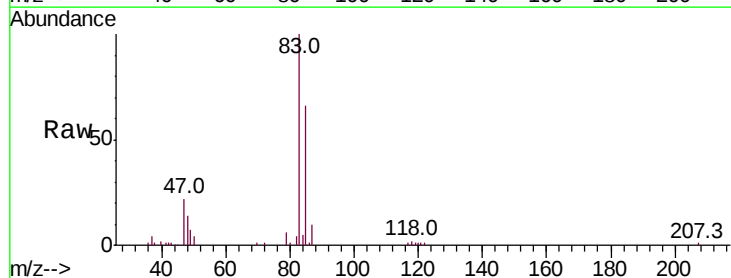
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

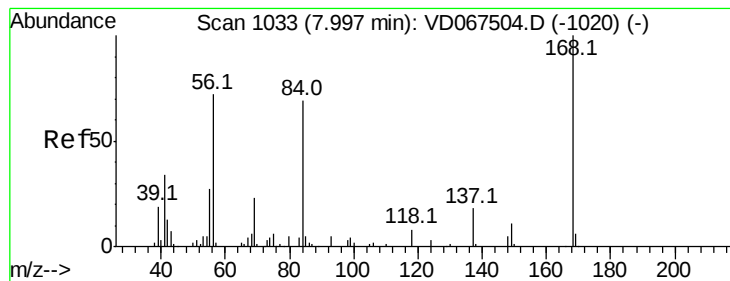
Tot Ion: 42 Resp: 23745
Ion Ratio Lower Upper
42 100
72 61.3 46.3 69.5
71 56.5 44.0 66.0



#30
Chloroform
Concen: 21.497 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion: 83 Resp: 100005
Ion Ratio Lower Upper
83 100
85 65.7 51.5 77.3





#31

Cyclohexane

Concen: 19.113 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

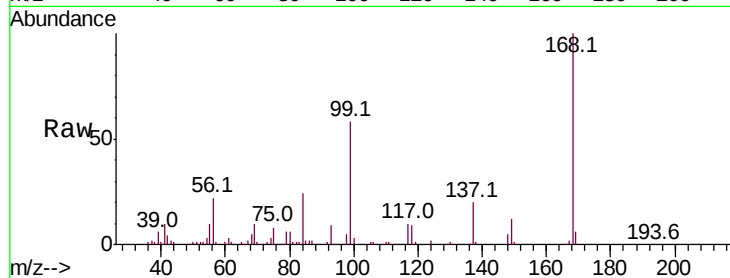
Tot Ion: 56 Resp: 66373

Ion Ratio Lower Upper

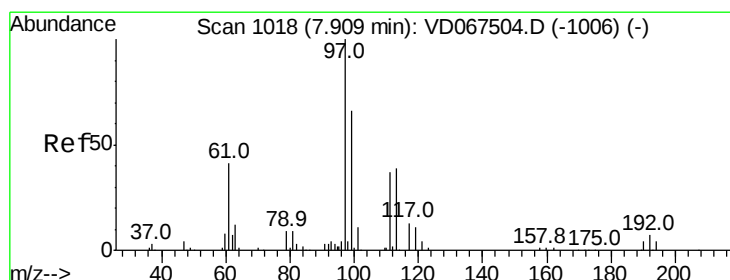
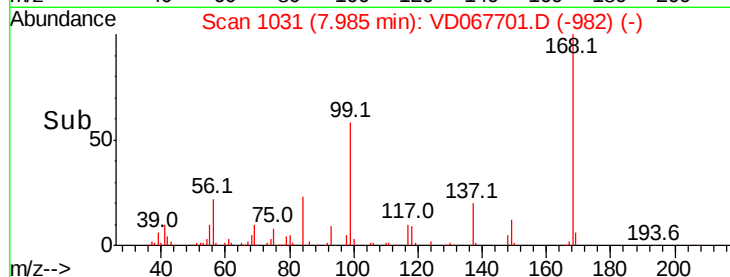
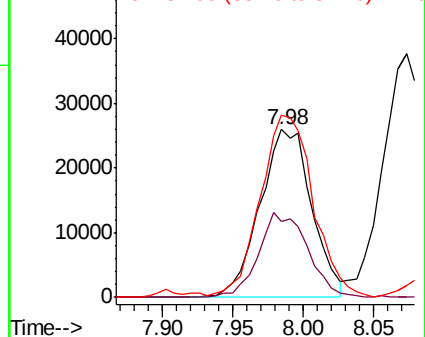
56 100

69 44.4 25.9 38.9#

84 105.9 76.2 114.4



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



#32

1,1,1-Trichloroethane

Concen: 21.352 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

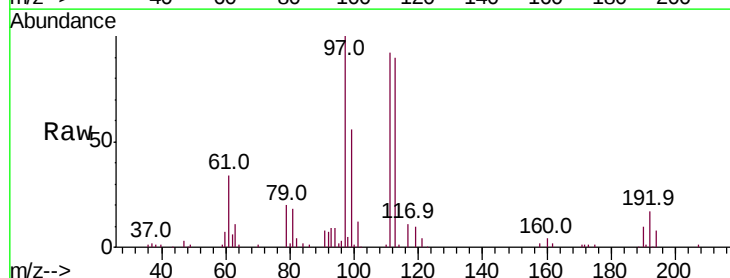
Tgt Ion: 97 Resp: 102487

Ion Ratio Lower Upper

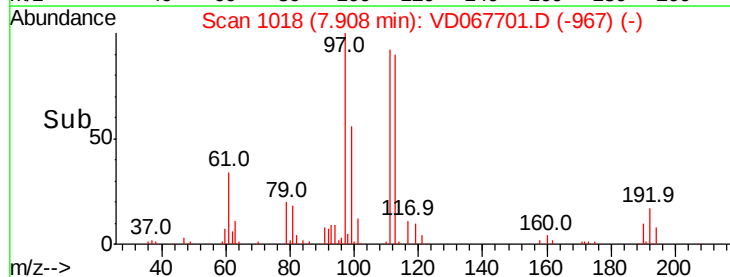
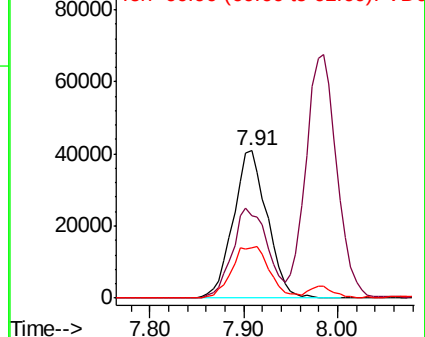
97 100

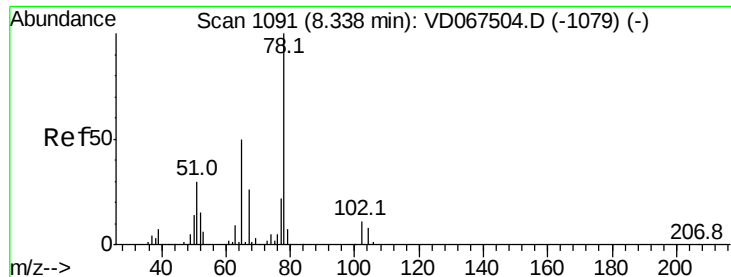
99 63.4 51.8 77.6

61 39.1 30.5 45.7



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





#33

1,2-Dichloroethane-d4

Concen: 46.972 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

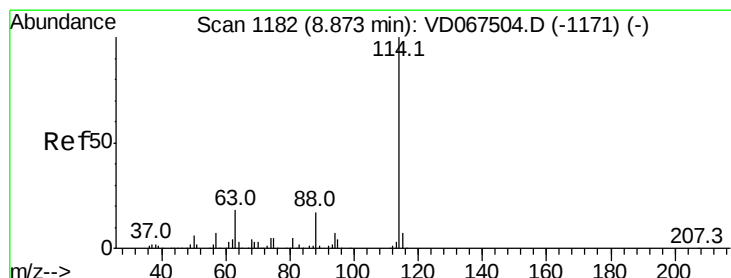
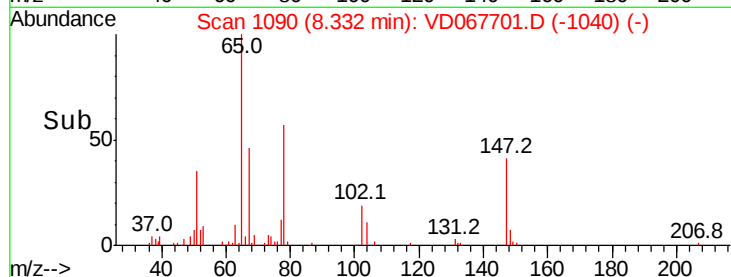
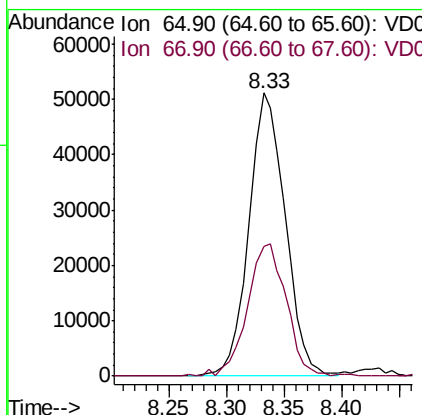
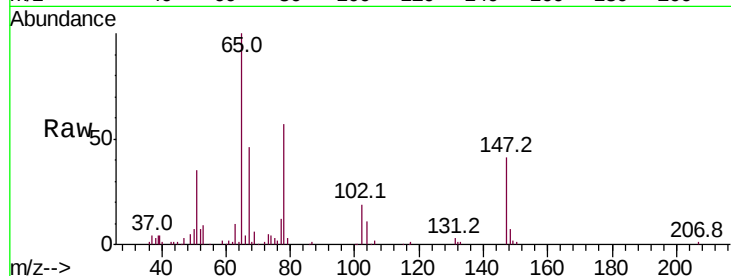
Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion: 65 Resp: 112465

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

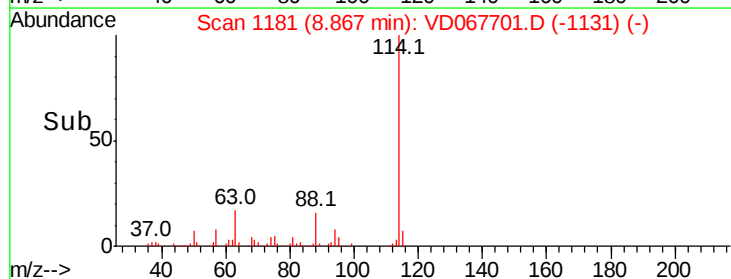
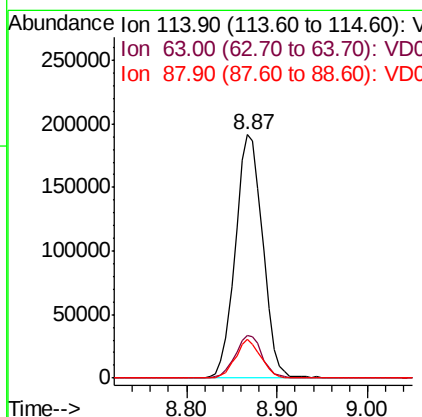
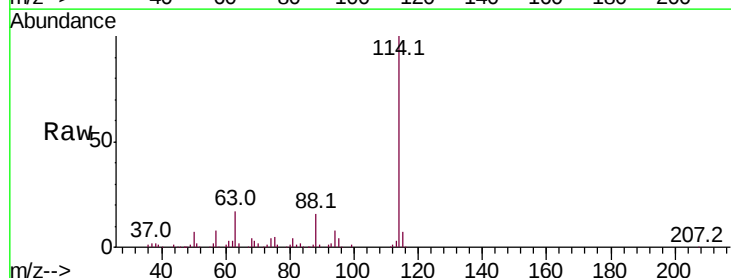
Delta R.T. -0.01 min

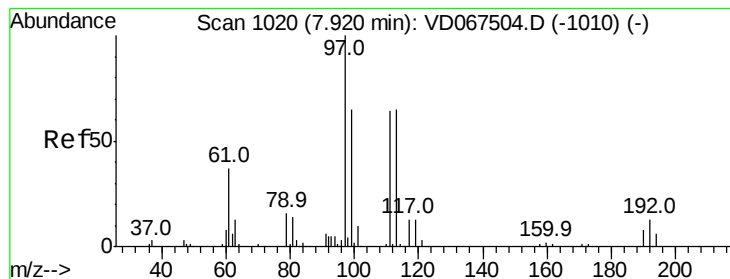
Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Tgt Ion: 114 Resp: 402873

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.0
88	16.0	0.0	33.0





#35

Dibromofluoromethane

Concen: 46.883 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

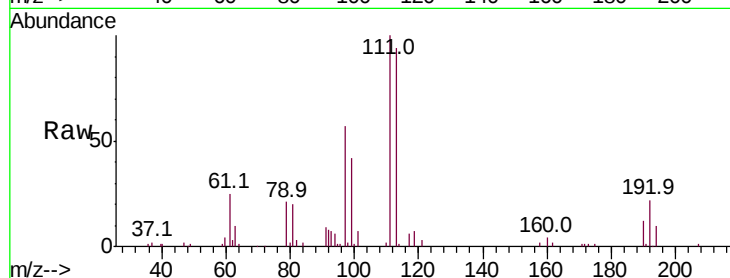
Tot Ion:113 Resp: 113799

Ion Ratio Lower Upper

113 100

111 102.1 80.0 120.0

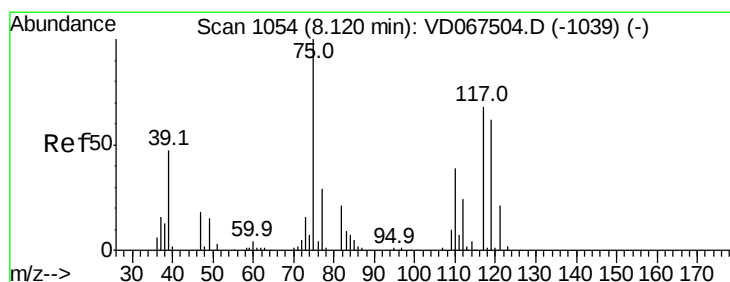
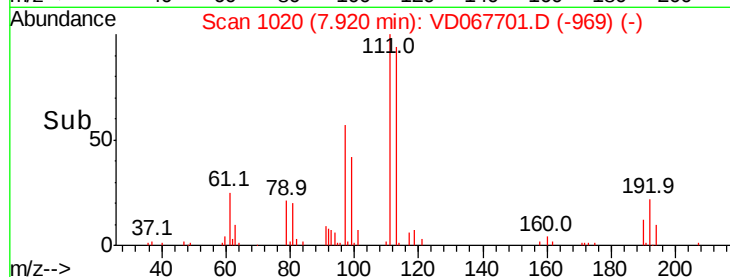
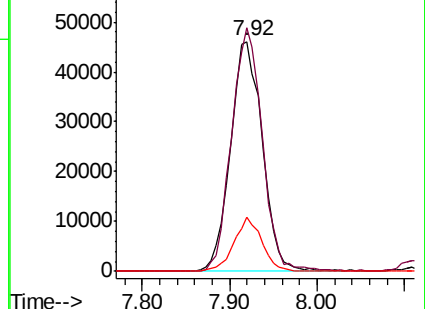
192 20.5 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.855 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

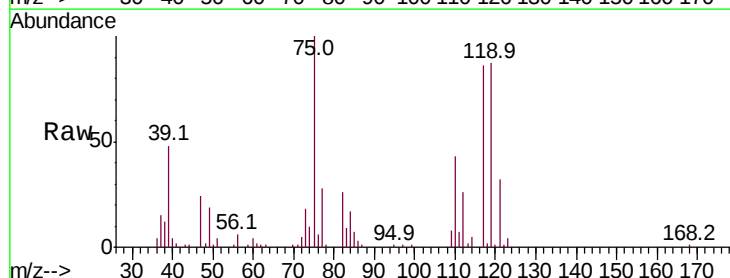
Tgt Ion: 75 Resp: 71918

Ion Ratio Lower Upper

75 100

110 39.4 19.9 59.7

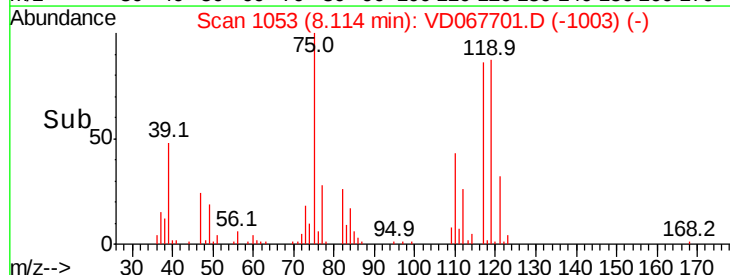
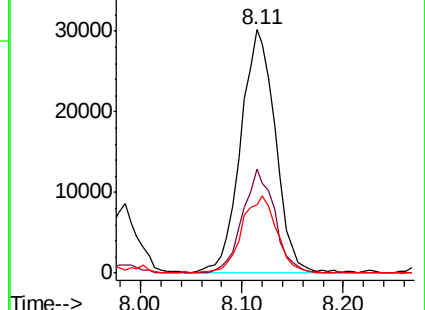
77 31.7 24.8 37.2

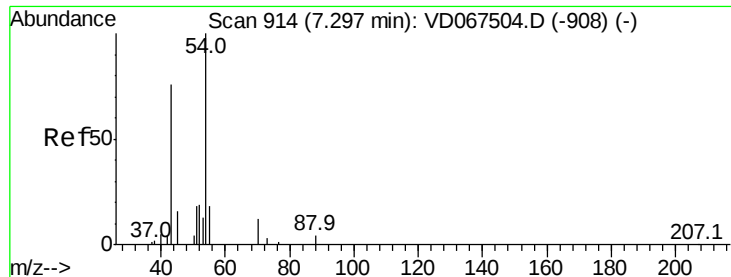


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 20.653 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

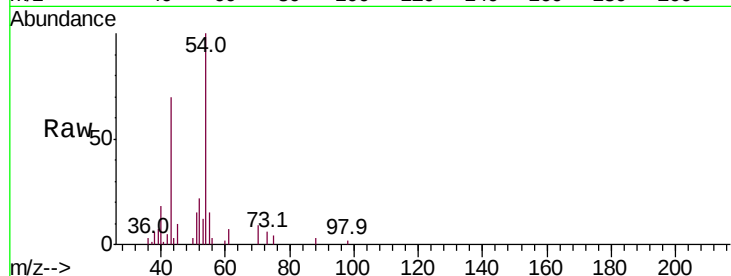
Tot Ion: 43 Resp: 18491

Ion Ratio Lower Upper

43 100

61 14.7 12.8 19.2

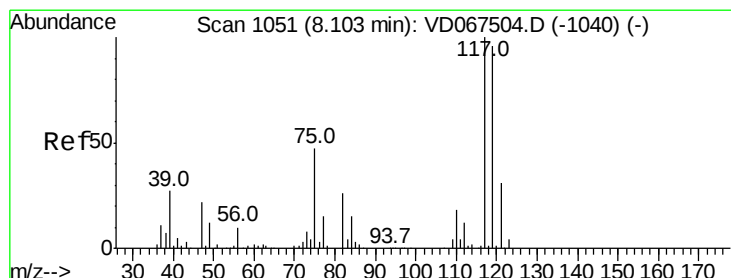
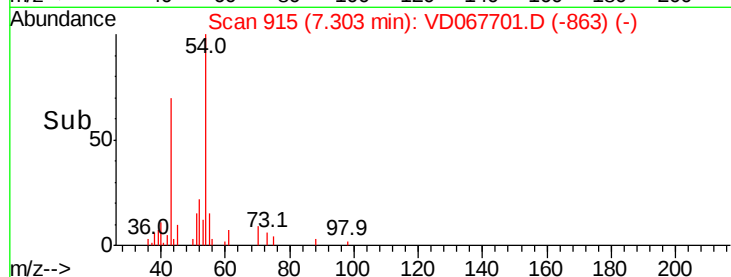
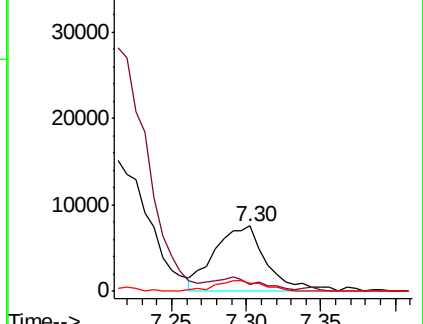
70 15.5 11.7 17.5



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: 22.273 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

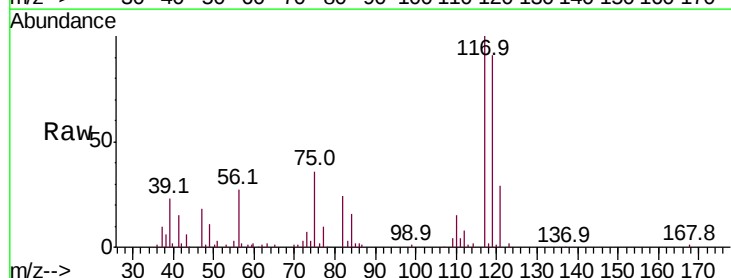
Tgt Ion: 117 Resp: 99798

Ion Ratio Lower Upper

117 100

119 91.4 76.9 115.3

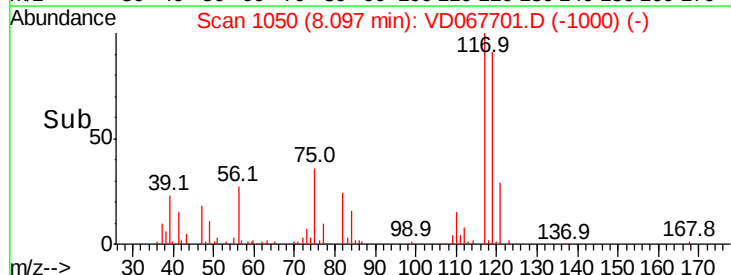
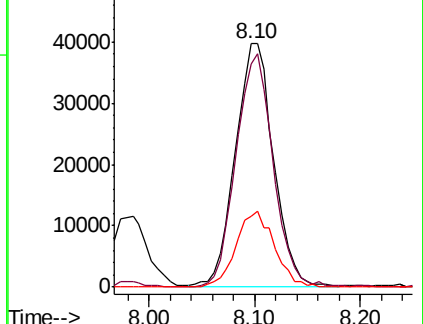
121 29.0 24.5 36.7

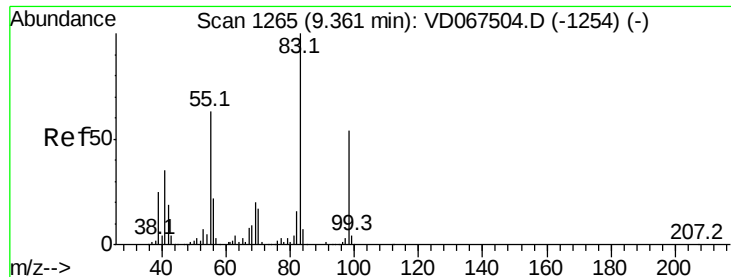


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

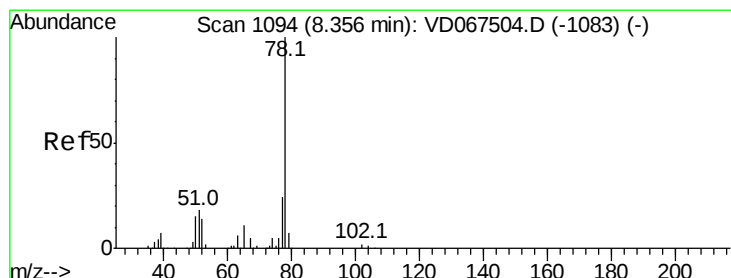
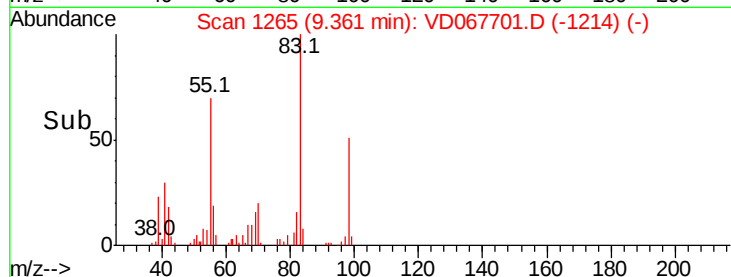
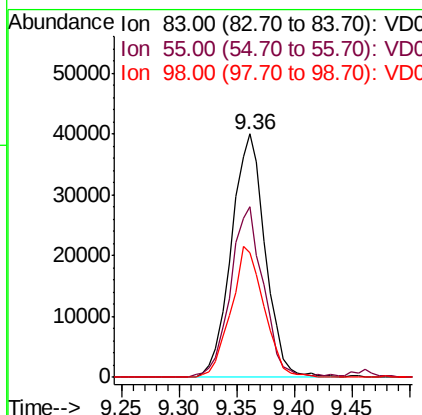
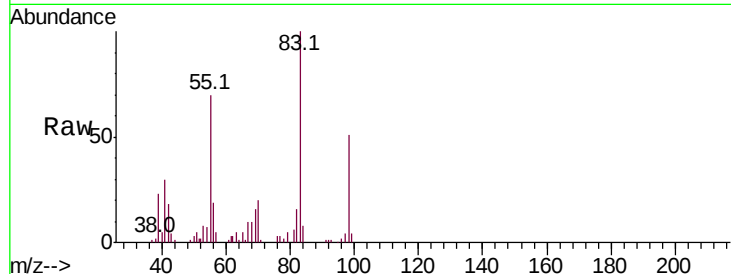




#39
Methvlcvclohexane
Concen: 19.976 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

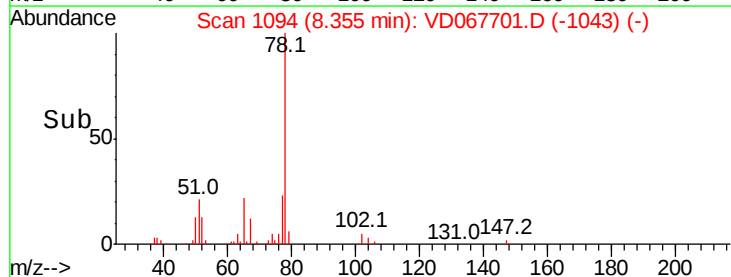
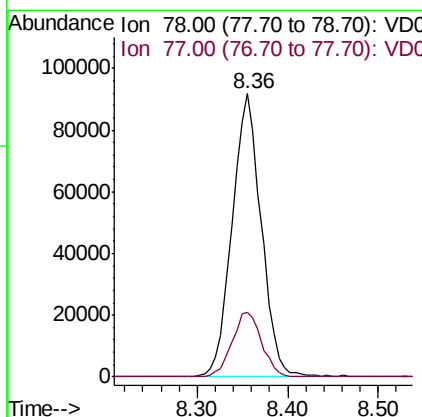
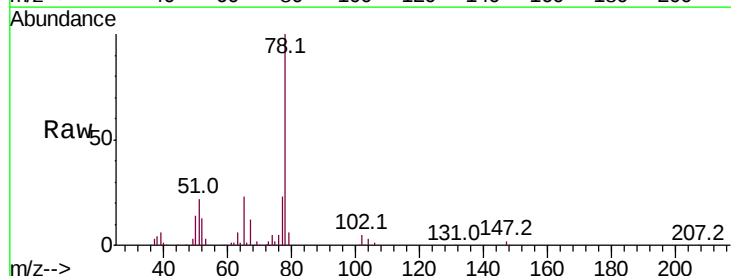
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

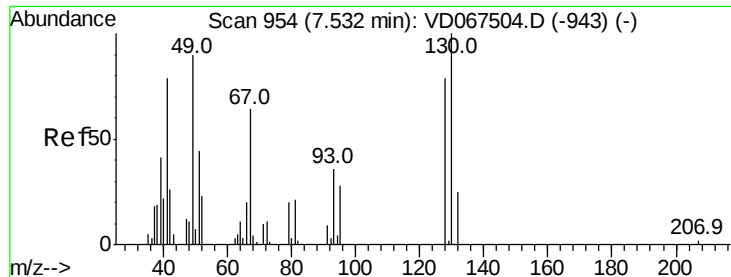
Tot Ion	83	Resp	81079
Ion Ratio	Lower	Upper	
83	100		
55	70.2	50.5	75.7
98	51.3	43.4	65.0



#40
Benzene
Concen: 21.871 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion	78	Resp	204306
Ion Ratio	Lower	Upper	
78	100		
77	23.0	19.1	28.7

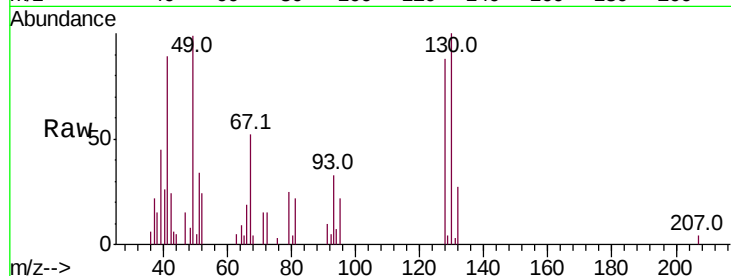




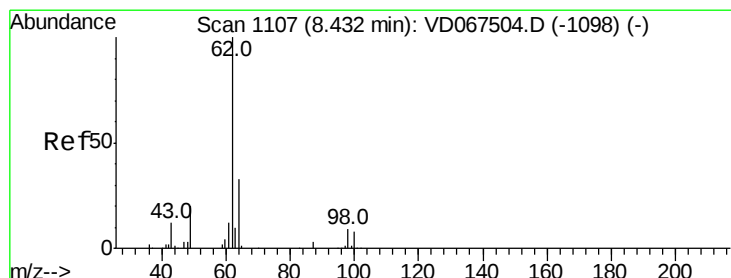
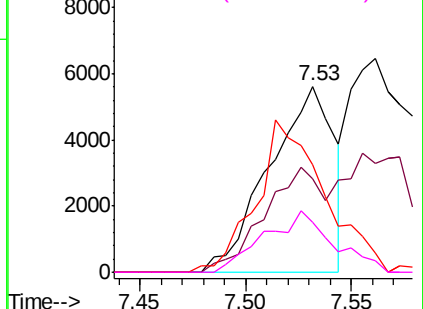
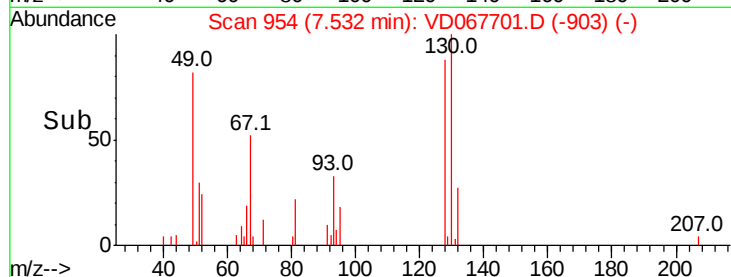
#41
Methacrylonitrile
Concen: 22.324 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion: 41 Resp: 11947
Ion Ratio Lower Upper
41 100
39 51.3 51.3 76.9#
67 86.9 78.9 118.3
52 34.9 31.4 47.2

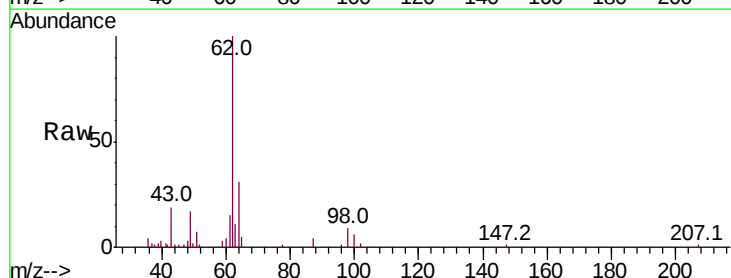


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

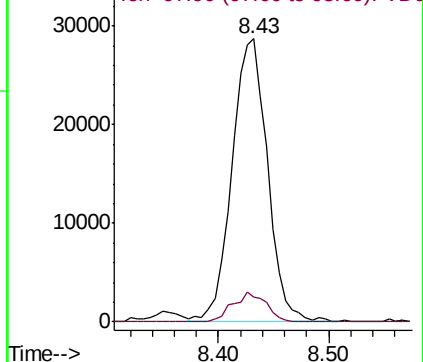
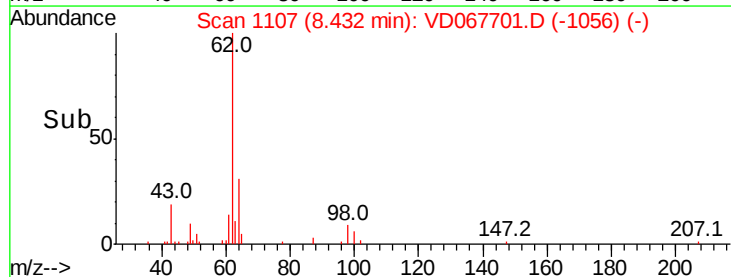


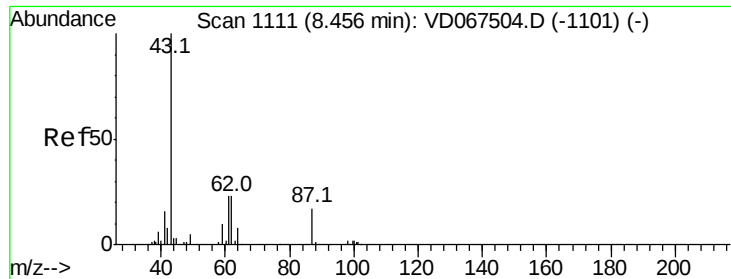
#42
1,2-Dichloroethane
Concen: 22.479 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion: 62 Resp: 64877
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.299 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

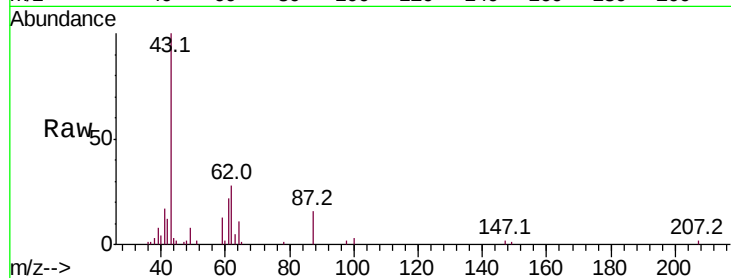
Tot Ion: 43 Resp: 37713

Ion Ratio Lower Upper

43 100

61 38.1 30.5 45.7

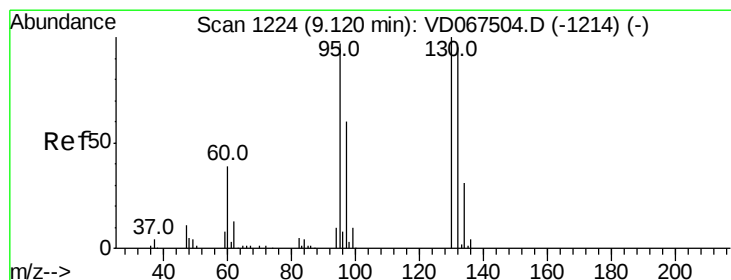
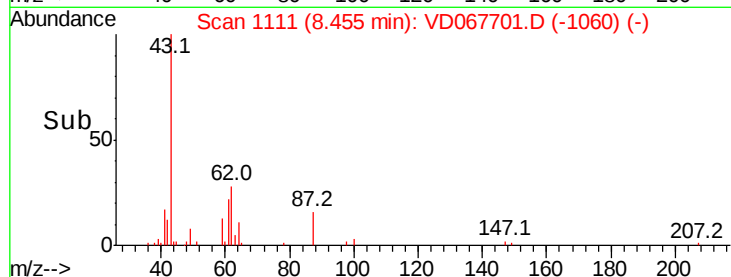
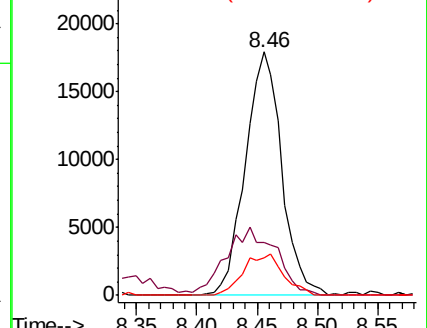
87 18.7 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.244 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD067701.D

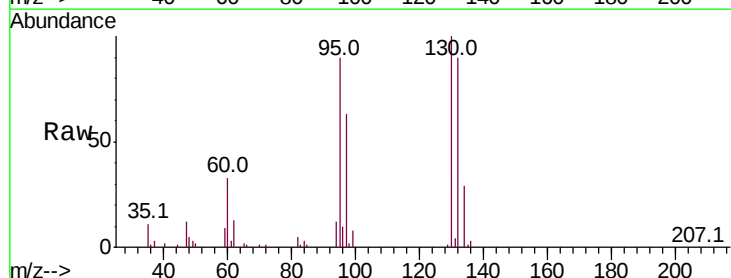
Acq: 19 Nov 2020 12:00

Tgt Ion: 130 Resp: 65250

Ion Ratio Lower Upper

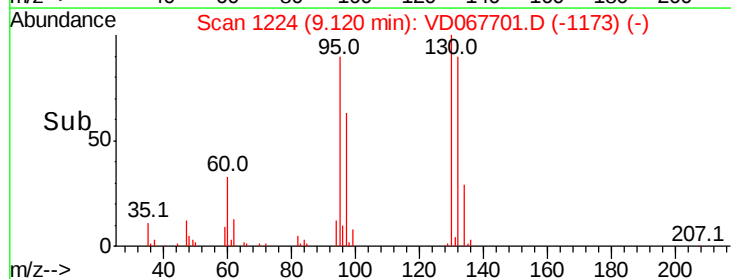
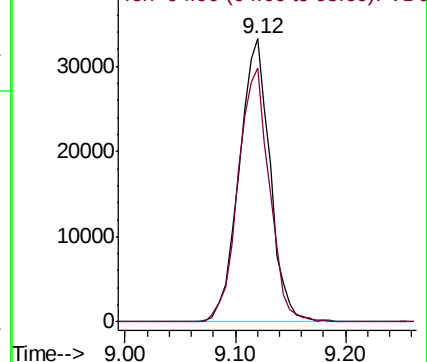
130 100

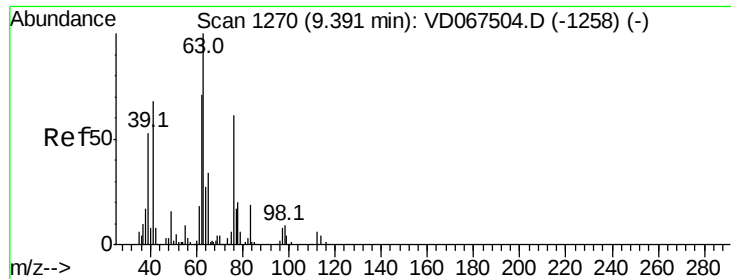
95 89.9 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.200 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

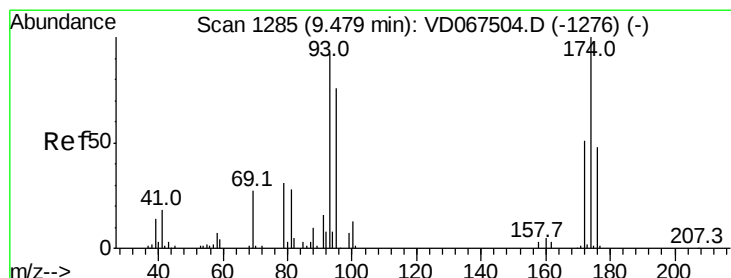
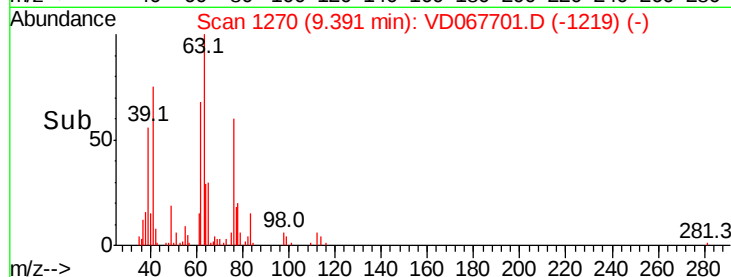
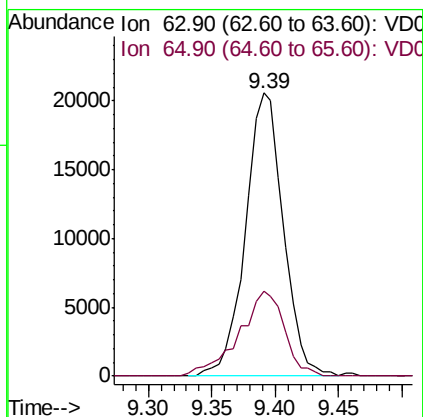
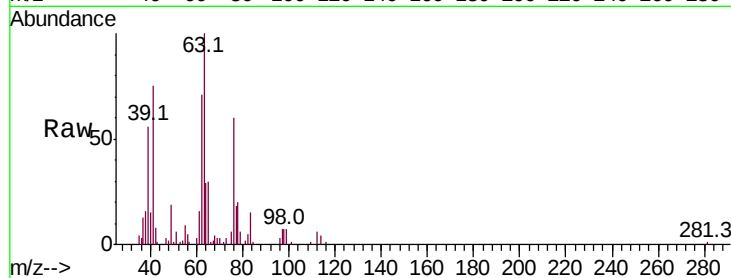
VD1119SBS01

Tot Ion: 63 Resp: 42816

Ion Ratio Lower Upper

63 100

65 30.2 26.9 40.3



#46

Dibromomethane

Concen: 21.723 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

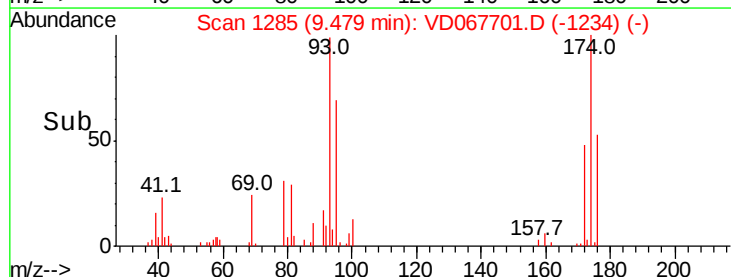
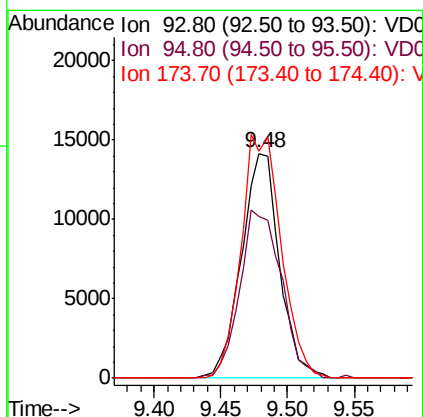
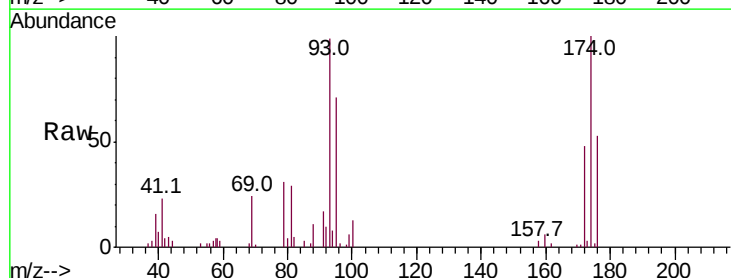
Tgt Ion: 93 Resp: 27895

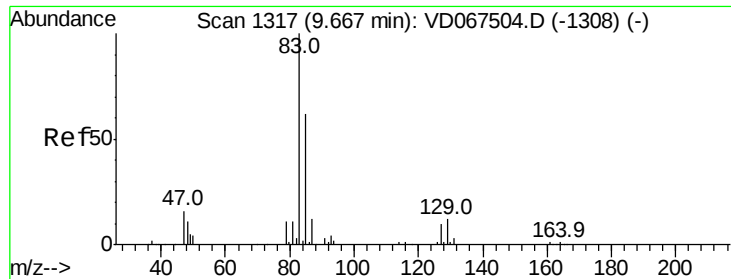
Ion Ratio Lower Upper

93 100

95 81.7 66.4 99.6

174 114.5 88.2 132.4





#47

Bromodichloromethane

Concen: 21.964 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBSD01

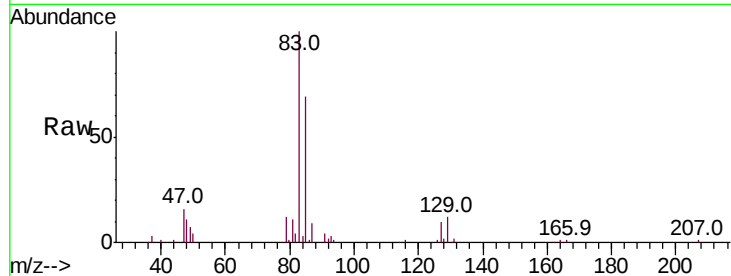
Tot Ion: 83 Resp: 76662

Ion Ratio Lower Upper

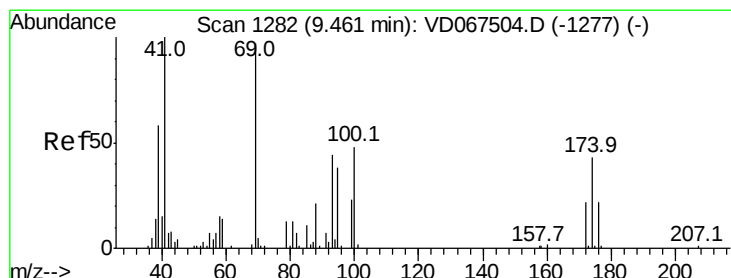
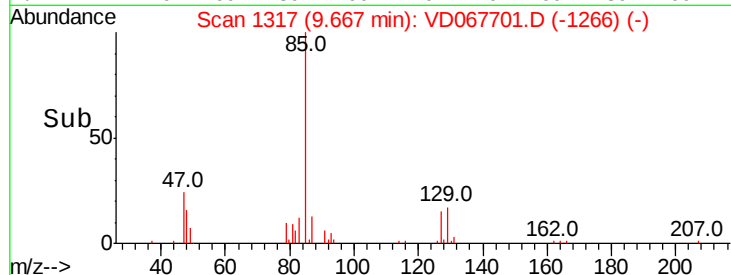
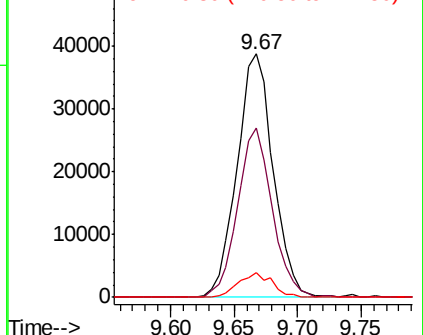
83 100

85 69.4 49.4 74.2

127 10.3 7.7 11.5



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



#48

Methyl methacrylate

Concen: 19.446 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

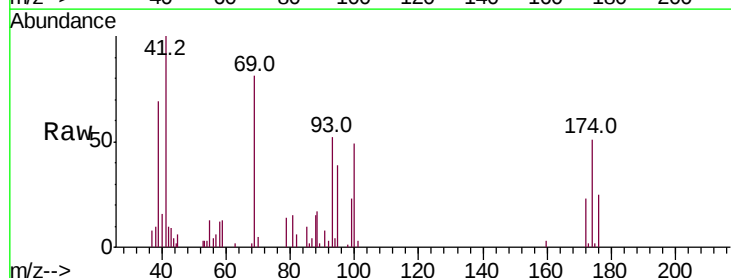
Tgt Ion: 41 Resp: 17778

Ion Ratio Lower Upper

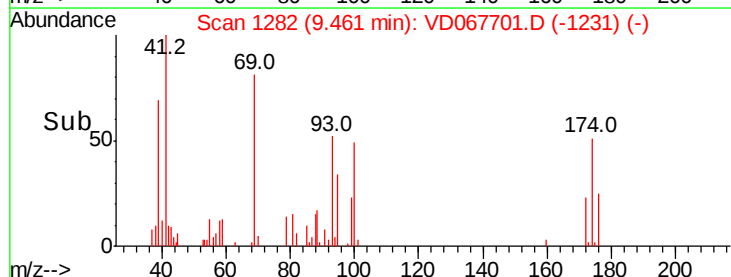
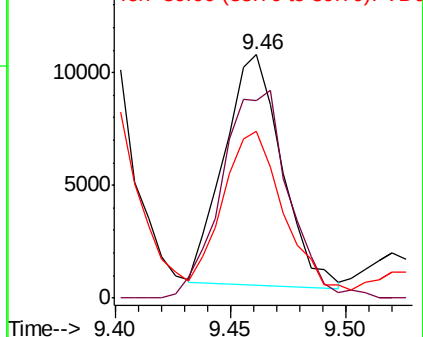
41 100

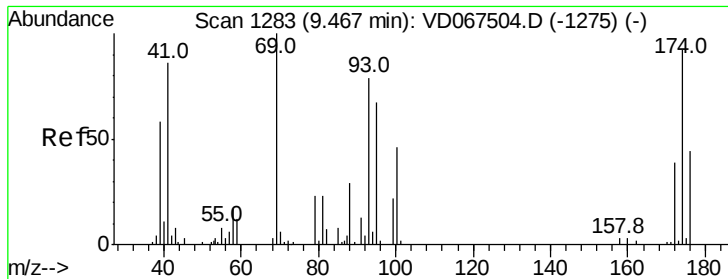
69 104.8 80.6 121.0

39 79.8 50.2 75.4#



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

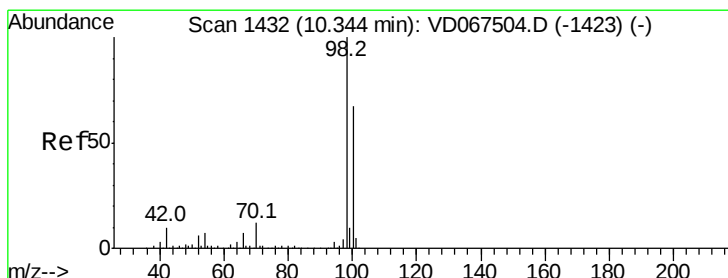
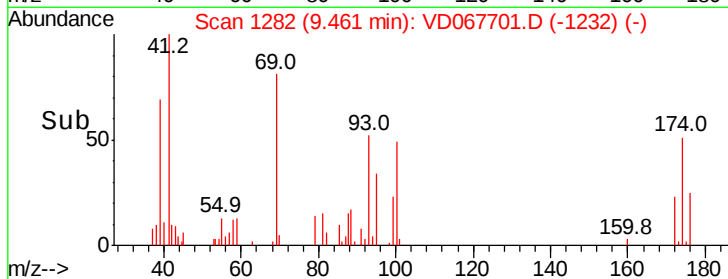
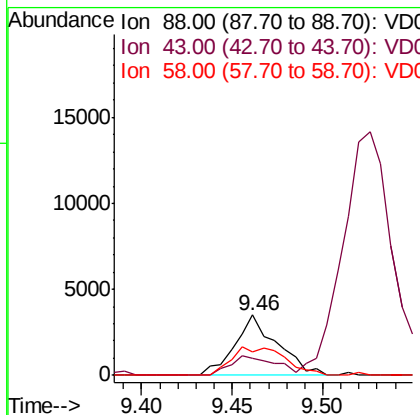
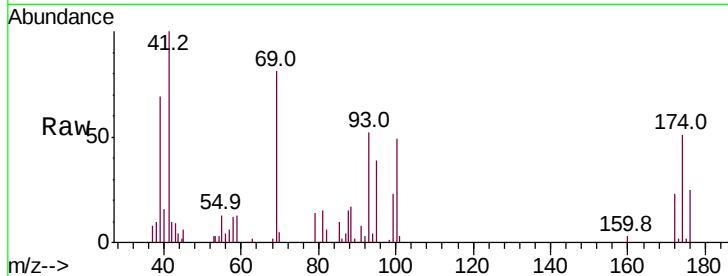




#49
 1,4-Dioxane
 Concen: 437.472 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

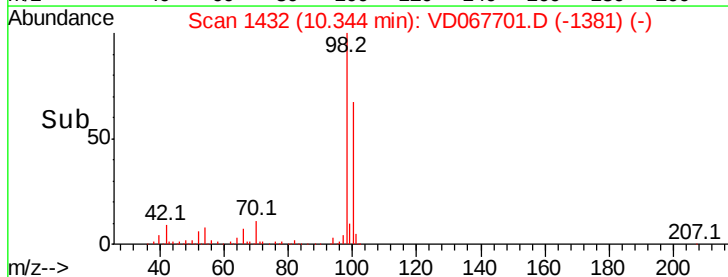
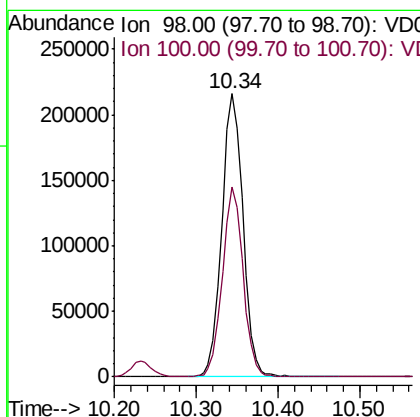
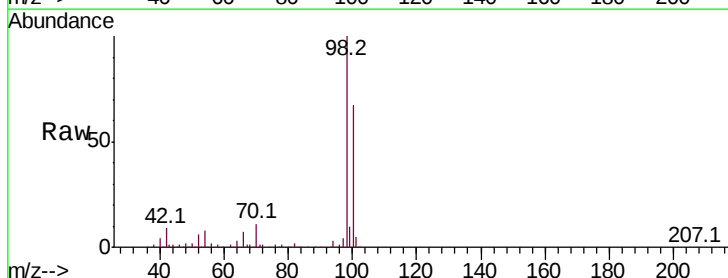
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

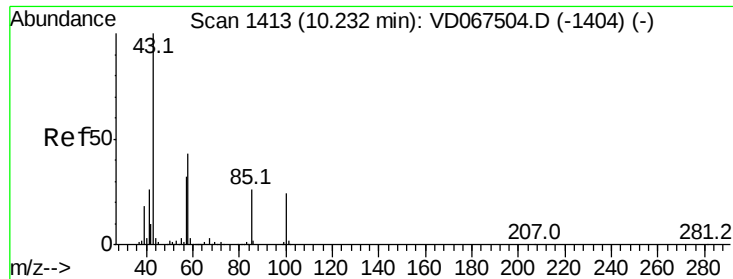
Tot Ion: 88 Resp: 5703
 Ion Ratio Lower Upper
 88 100
 43 34.3 23.6 35.4
 58 58.8 44.7 67.1



#50
 Toluene-d8
 Concen: 45.826 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

Tgt Ion: 98 Resp: 390897
 Ion Ratio Lower Upper
 98 100
 100 65.7 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 108.251 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

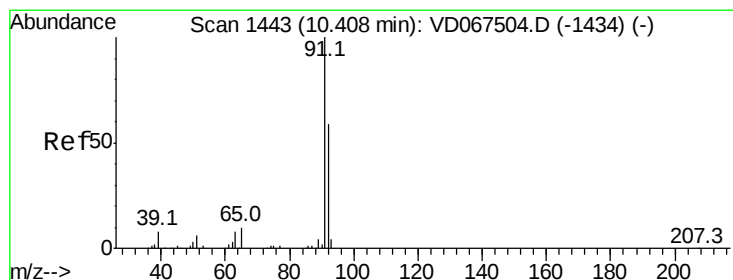
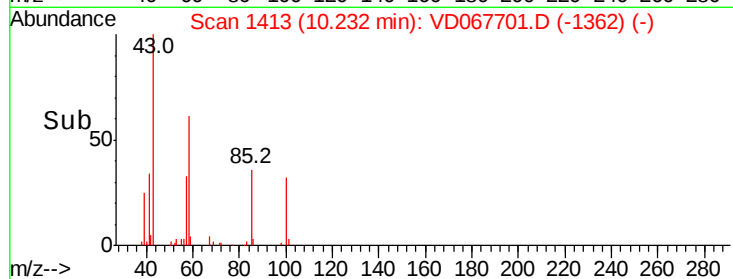
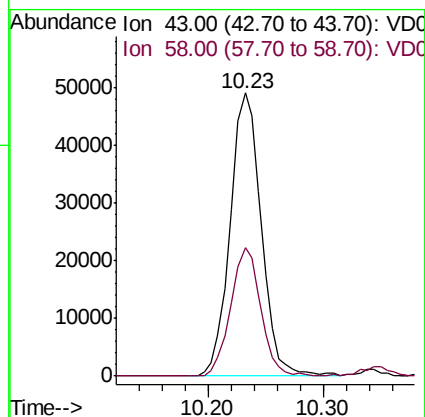
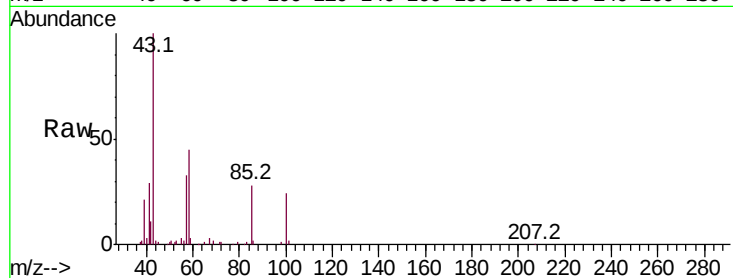
VD1119SBS01

Tot Ion: 43 Resp: 91668

Ion Ratio Lower Upper

43 100

58 43.7 35.6 53.4



#52

Toluene

Concen: 22.301 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067701.D

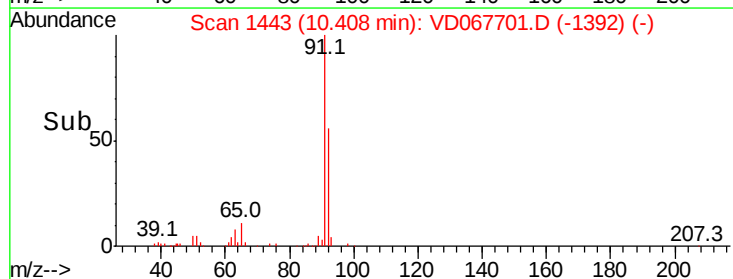
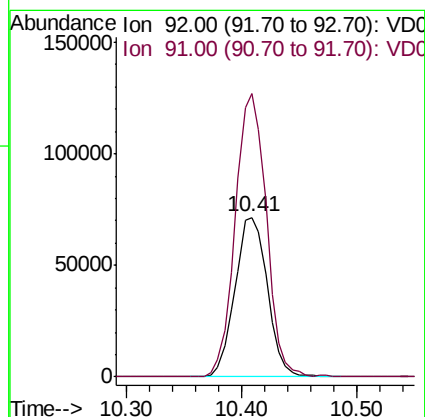
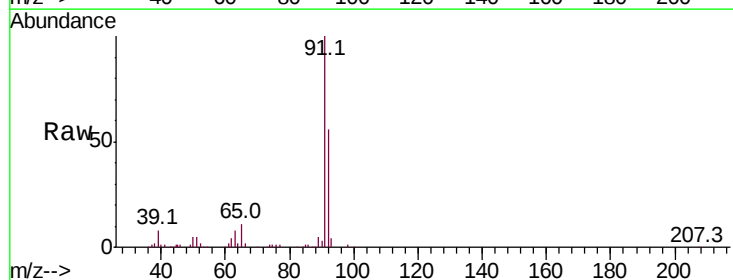
Acq: 19 Nov 2020 12:00

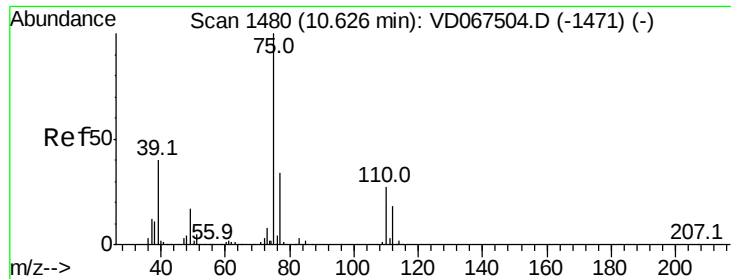
Tgt Ion: 92 Resp: 139529

Ion Ratio Lower Upper

92 100

91 170.1 137.0 205.6

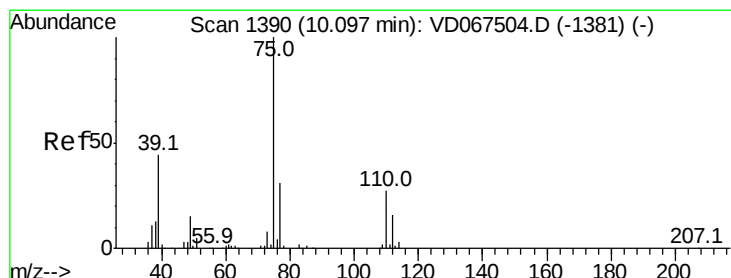
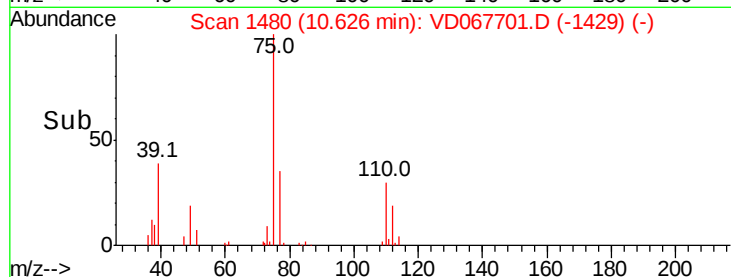
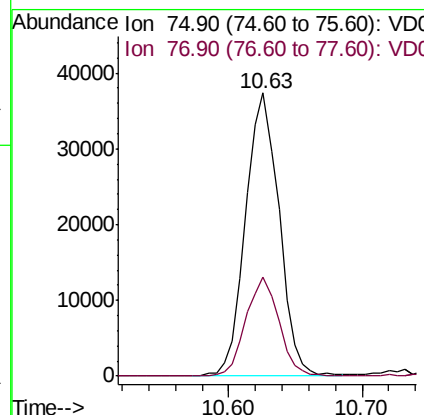
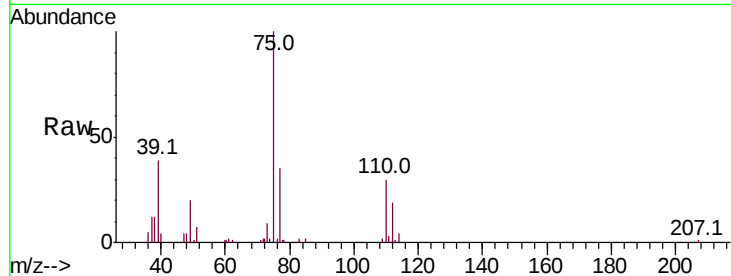




#53
 t-1,3-Dichloropropene
 Concen: 21.801 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

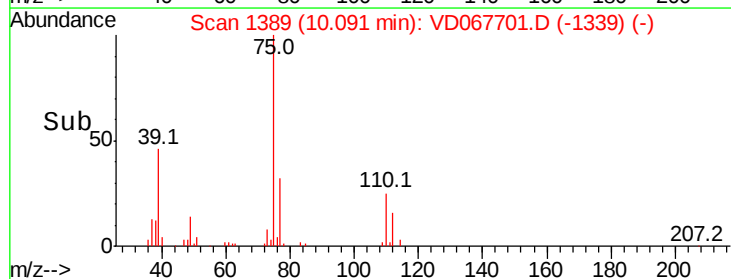
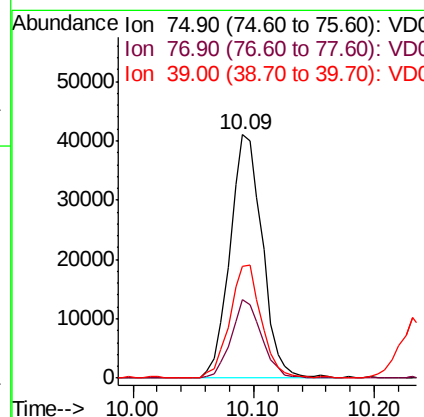
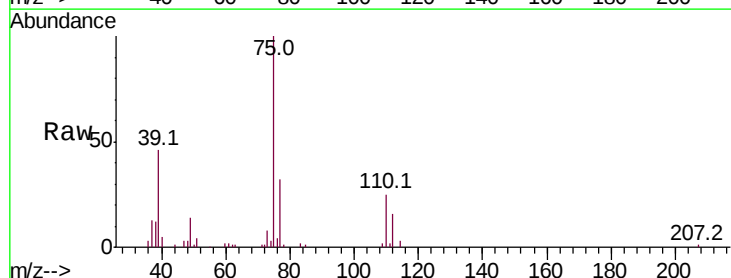
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBSD01

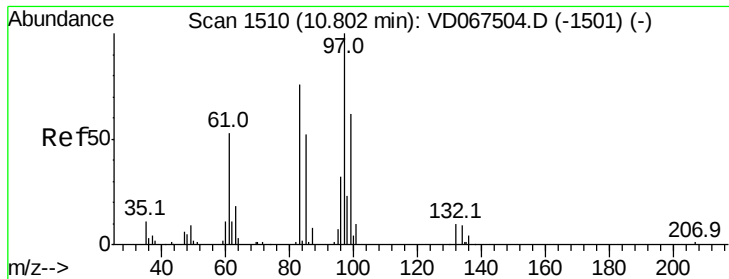
Tot Ion: 75 Resp: 65169
 Ion Ratio Lower Upper
 75 100
 77 35.1 27.0 40.6



#54
 cis-1,3-Dichloropropene
 Concen: 21.488 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

Tgt Ion: 75 Resp: 76316
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.4 36.6
 39 46.1 35.6 53.4

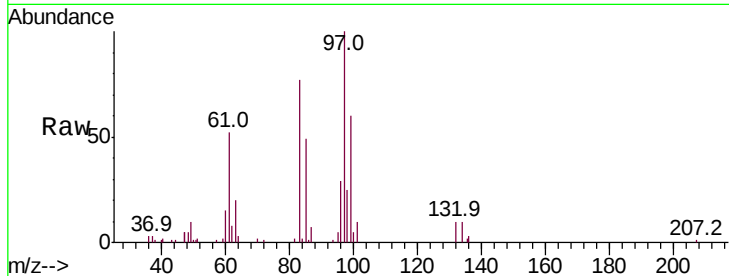




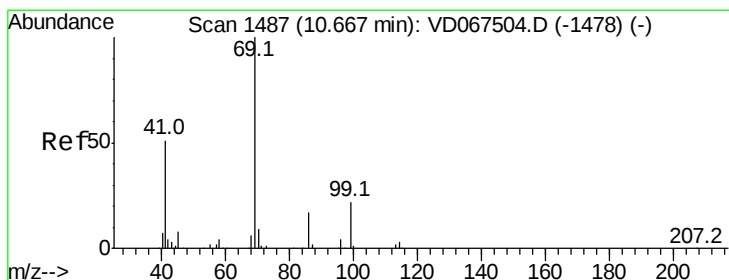
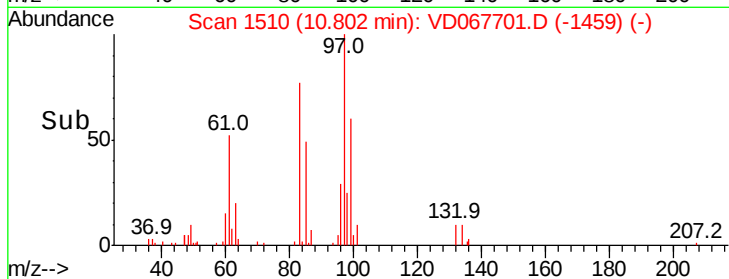
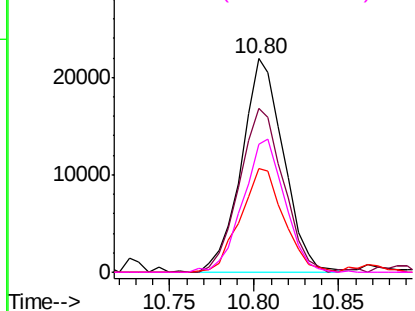
#55
 1,1,2-Trichloroethane
 Concen: 22.330 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBSD01

Tot Ion:	97	Resp:	37940
Ion	Ratio	Lower	Upper
97	100		
83	76.9	61.0	91.6
85	48.5	41.5	62.3
99	59.7	49.4	74.2

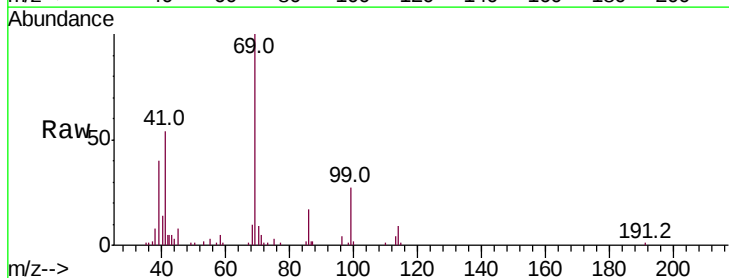


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

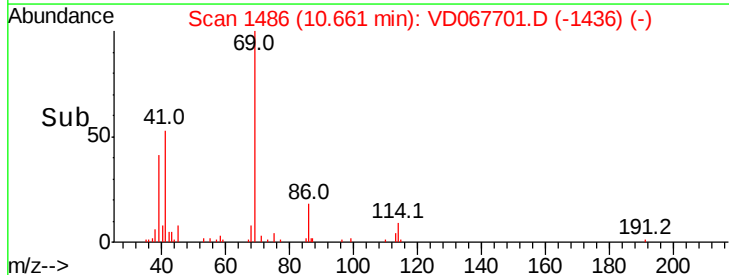
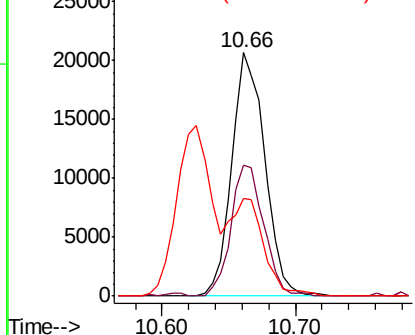


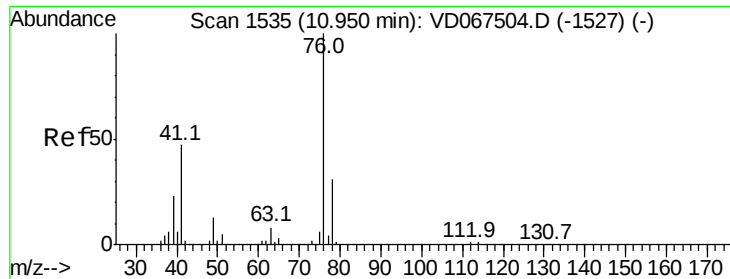
#56
 Ethyl methacrylate
 Concen: 20.305 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

Tgt Ion:	69	Resp:	35627
Ion	Ratio	Lower	Upper
69	100		
41	53.3	45.4	68.0
39	35.7	27.4	41.0



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





#57

1,3-Dichloropropane

Concen: 22.134 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

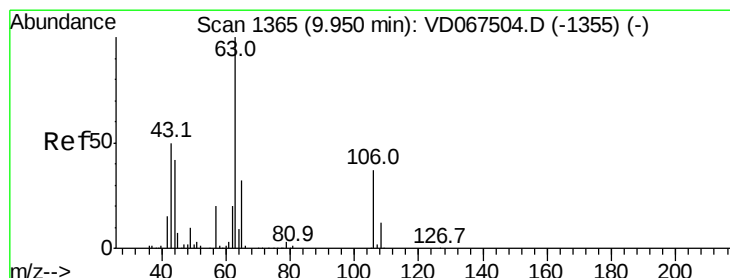
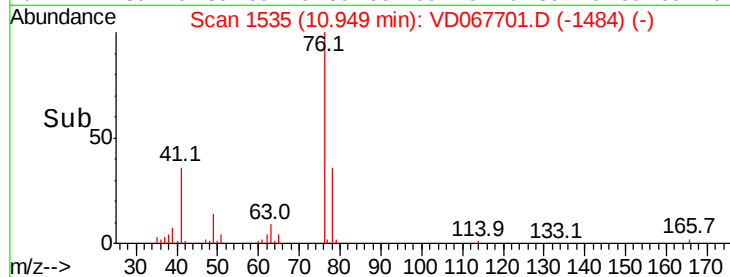
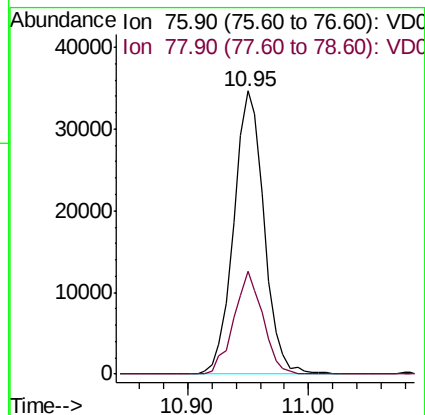
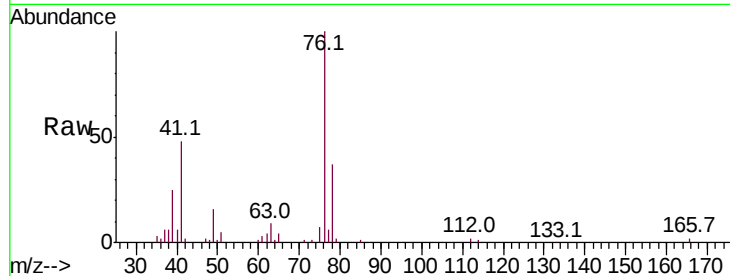
VD1119SBS01

Tot Ion: 76 Resp: 60516

Ion Ratio Lower Upper

76 100

78 34.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 107.321 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD067701.D

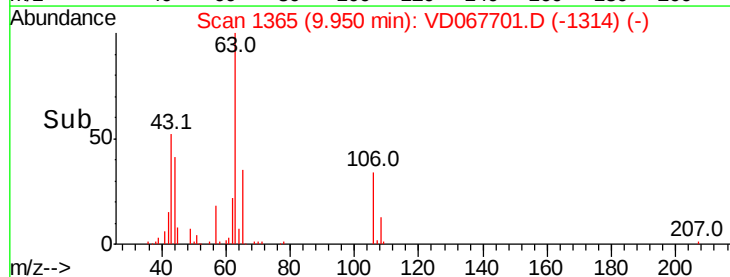
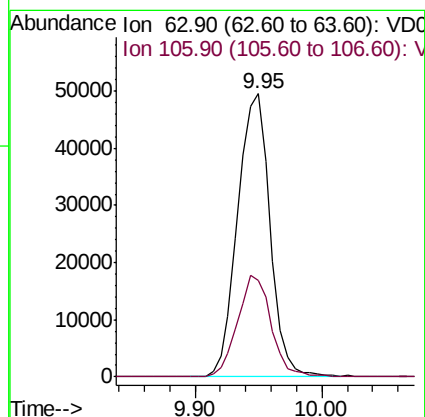
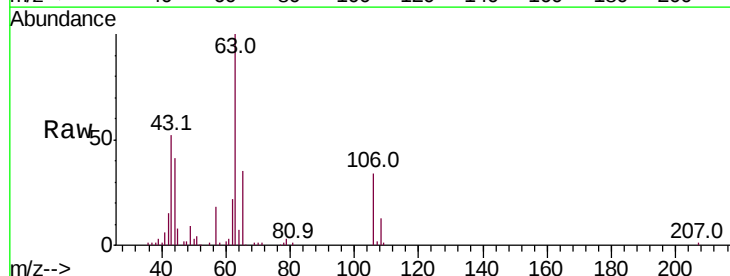
Acq: 19 Nov 2020 12:00

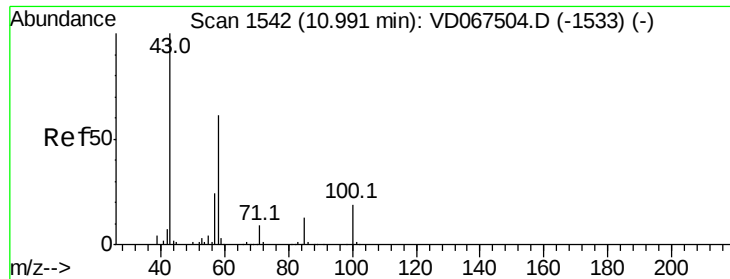
Tgt Ion: 63 Resp: 87812

Ion Ratio Lower Upper

63 100

106 36.9 29.2 43.8

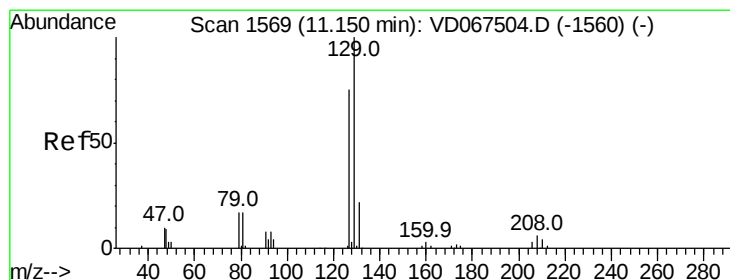
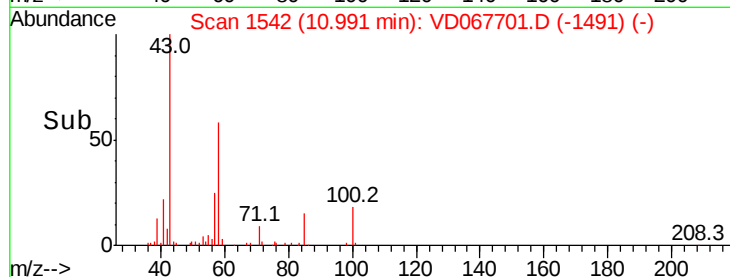
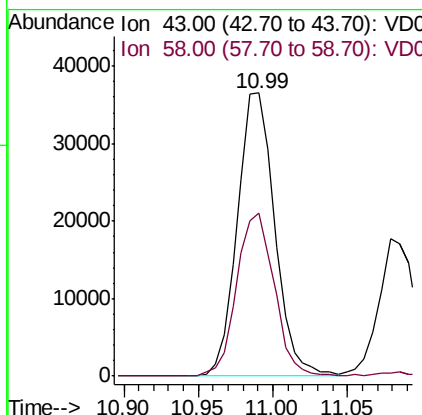
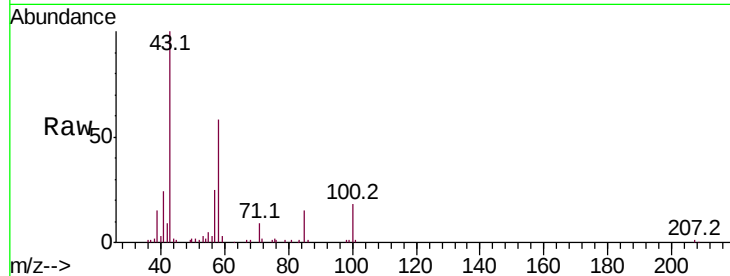




#59
2-Hexanone
Concen: 107.769 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

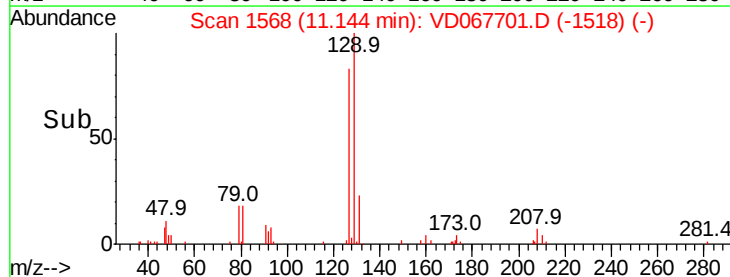
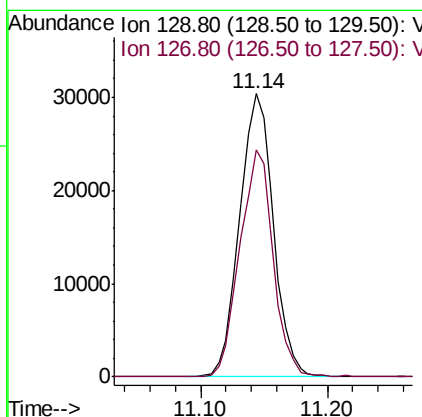
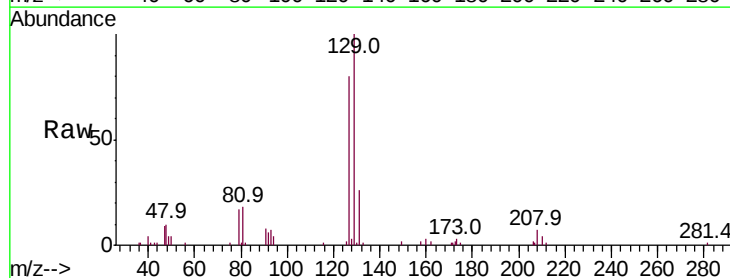
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

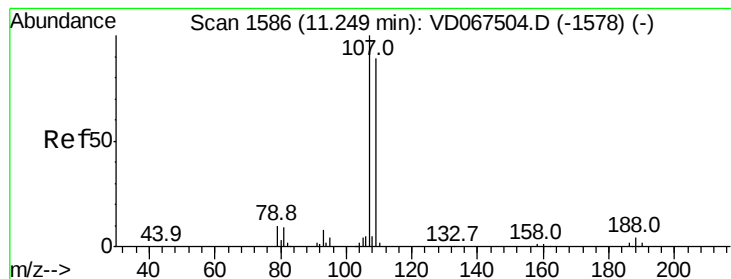
Tot Ion: 43 Resp: 63809
Ion Ratio Lower Upper
43 100
58 57.4 30.3 90.9



#60
Dibromochloromethane
Concen: 22.363 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion: 129 Resp: 56208
Ion Ratio Lower Upper
129 100
127 79.0 38.0 114.1





#61

1,2-Dibromoethane

Concen: 22.133 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

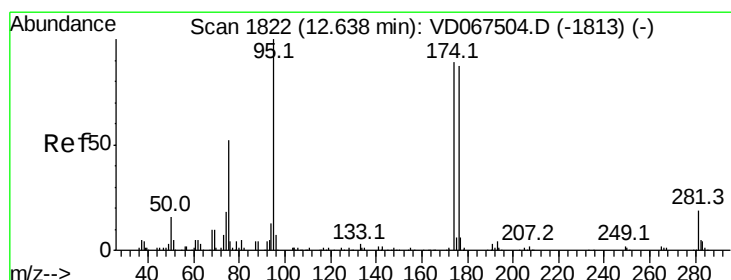
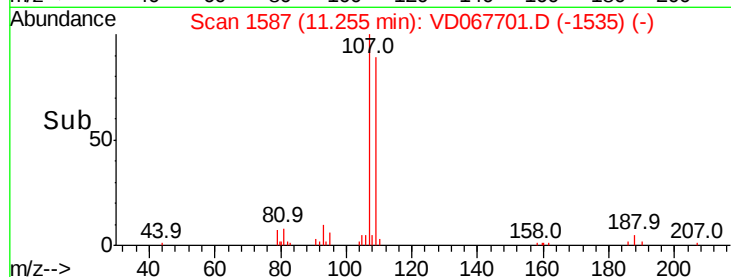
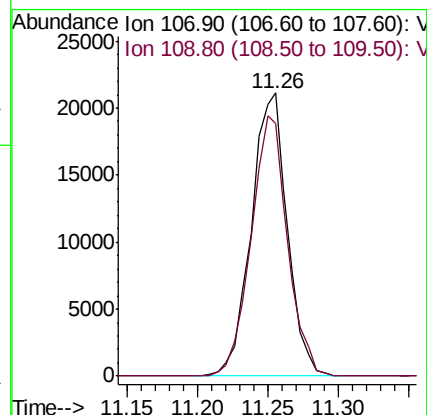
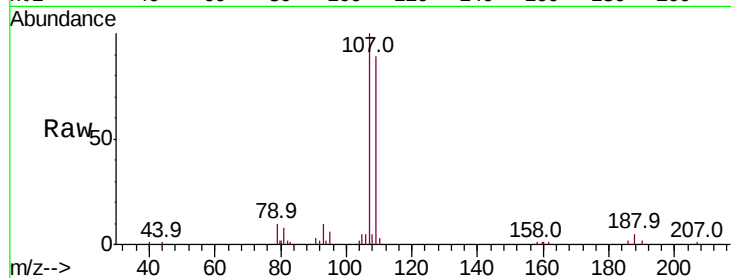
VD1119SBS01

Tot Ion:107 Resp: 37742

Ion Ratio Lower Upper

107 100

109 93.3 74.6 111.8



#62

4-Bromofluorobenzene

Concen: 48.298 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

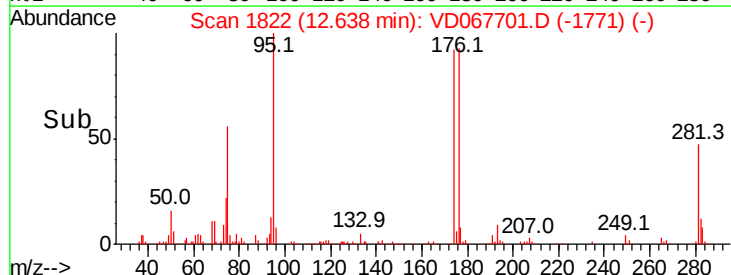
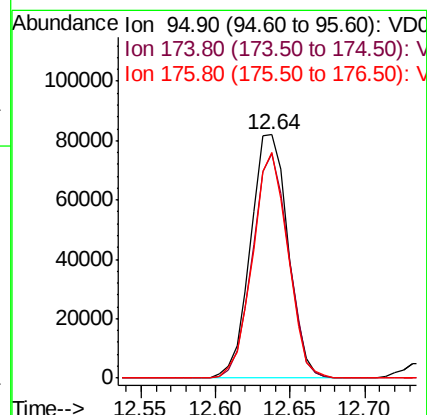
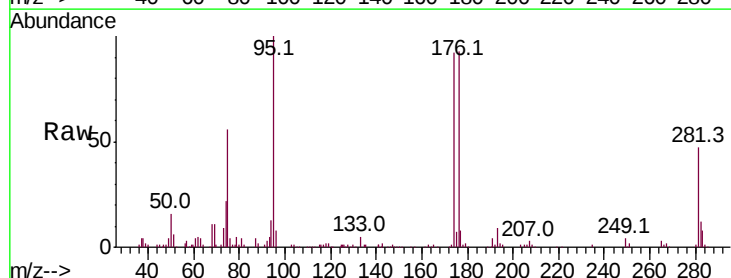
Tgt Ion: 95 Resp: 142237

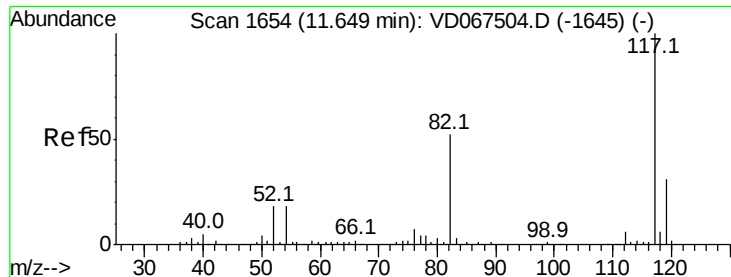
Ion Ratio Lower Upper

95 100

174 88.1 0.0 177.8

176 87.1 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

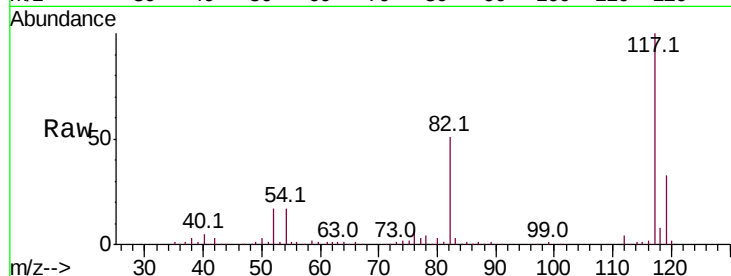
Tot Ion:117 Resp: 365637

Ion Ratio Lower Upper

117 100

82 51.0 41.6 62.4

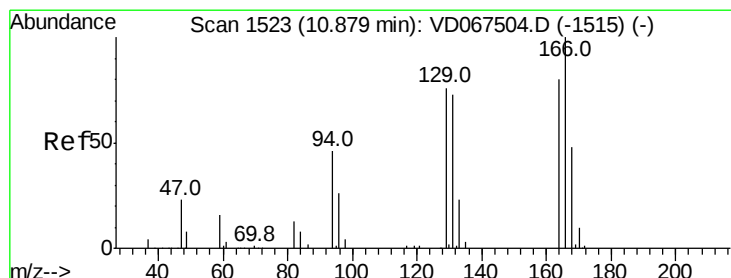
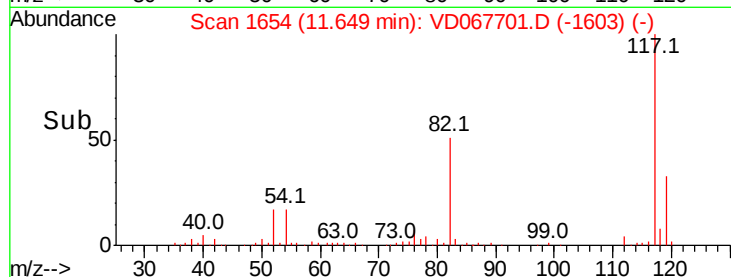
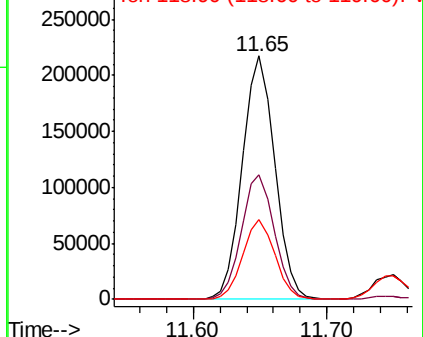
119 32.5 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.578 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Tgt Ion:164 Resp: 58431

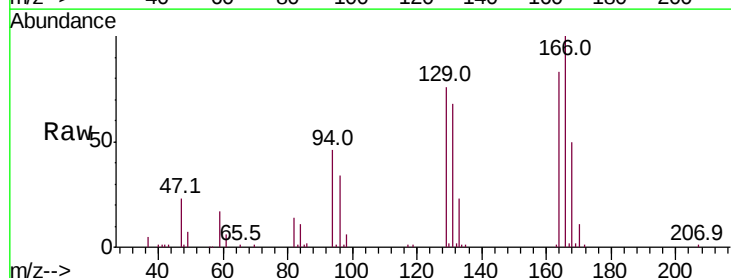
Ion Ratio Lower Upper

164 100

166 120.8 99.9 149.9

129 91.9 75.5 113.3

131 82.1 73.4 110.0

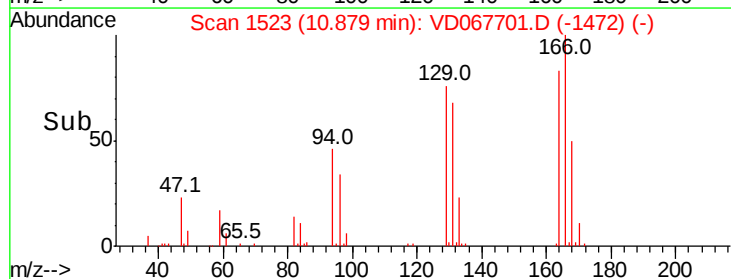
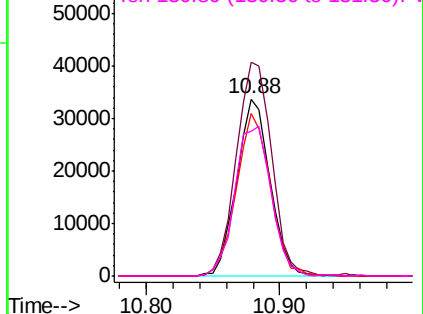


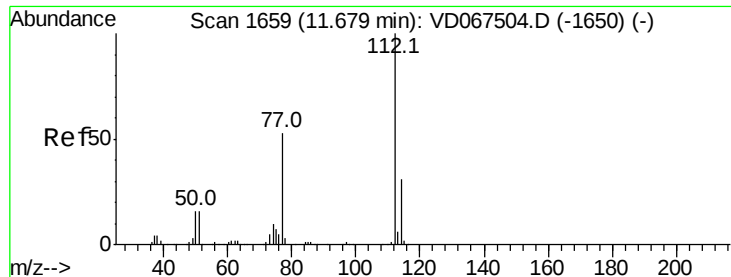
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.755 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

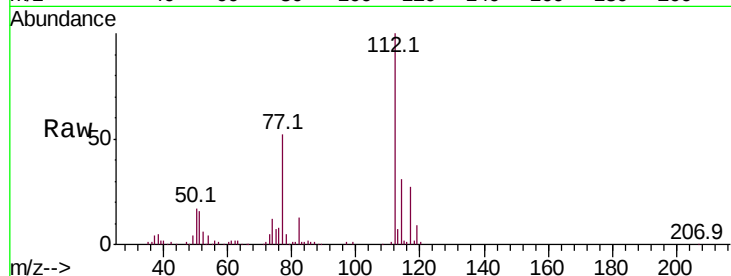
VD1119SBS01

Tot Ion:112 Resp: 153222

Ion Ratio Lower Upper

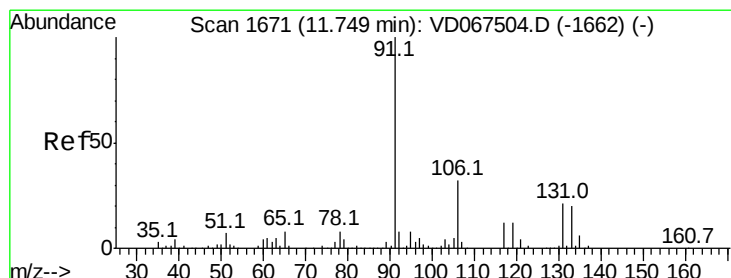
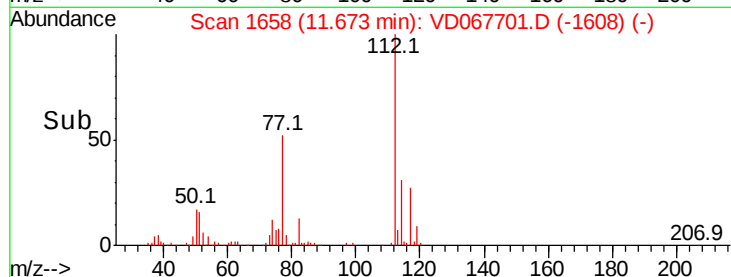
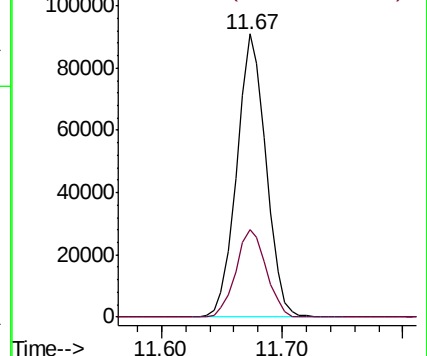
112 100

114 31.0 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.310 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

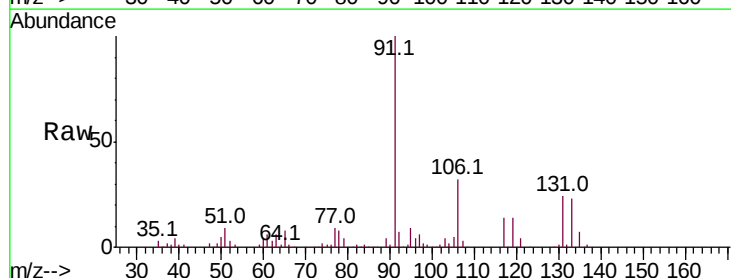
Tgt Ion:131 Resp: 61930

Ion Ratio Lower Upper

131 100

133 97.4 48.0 144.0

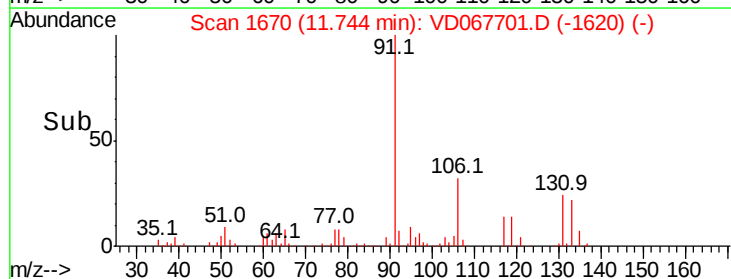
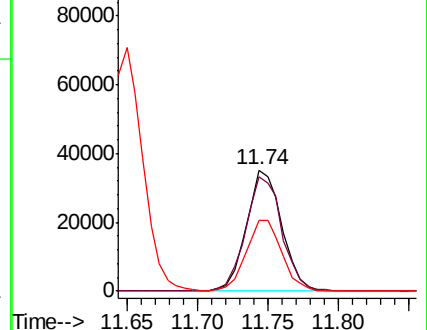
119 59.0 30.1 90.5

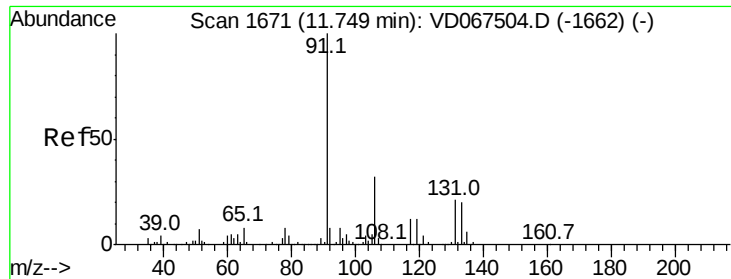


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.524 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

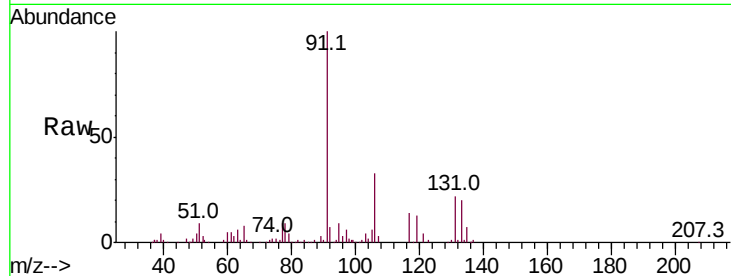
VD1119SBS01

Tot Ion: 91 Resp: 259416

Ion Ratio Lower Upper

91 100

106 33.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VD067701.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD067701.D (-1662) (-)

250000

200000

150000

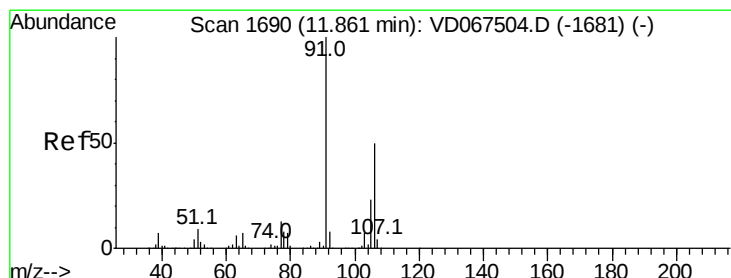
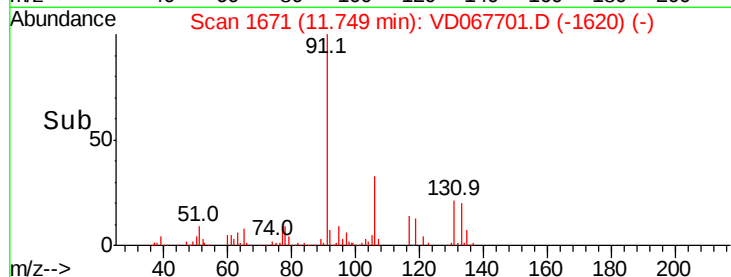
100000

50000

0

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 44.940 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067701.D

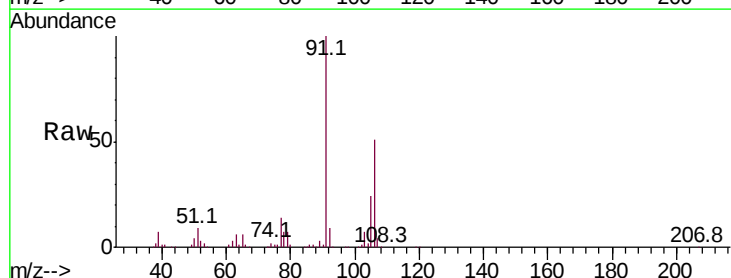
Acq: 19 Nov 2020 12:00

Tgt Ion: 106 Resp: 210718

Ion Ratio Lower Upper

106 100

91 198.1 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): VD067701.D (-1681) (-)

Ion 91.00 (90.70 to 91.70): VD067701.D (-1681) (-)

250000

200000

150000

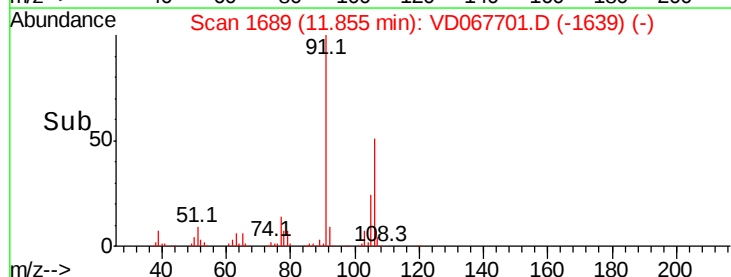
100000

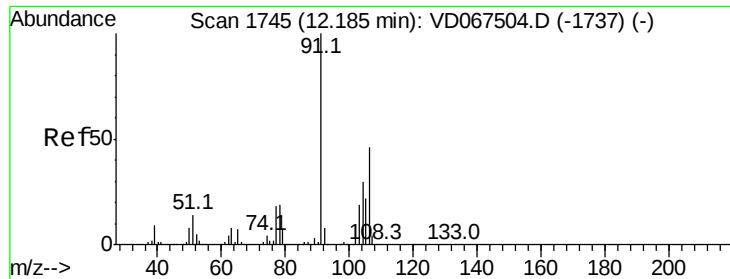
50000

0

11.80 11.85 11.90

Time-->

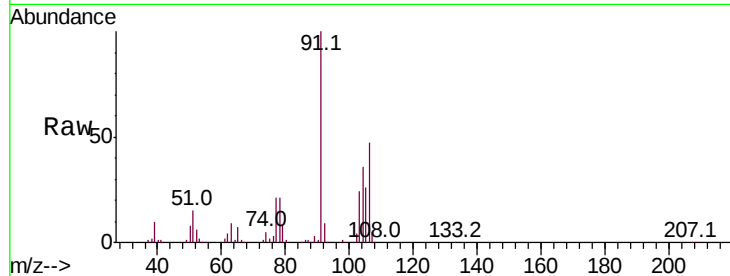




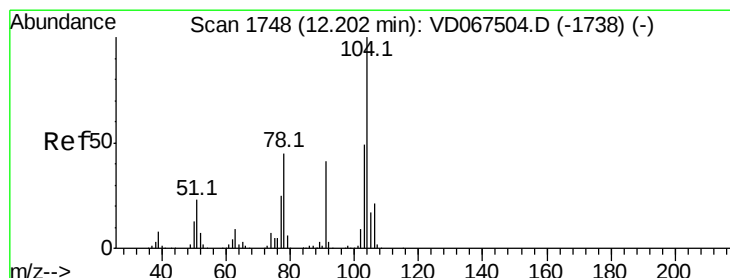
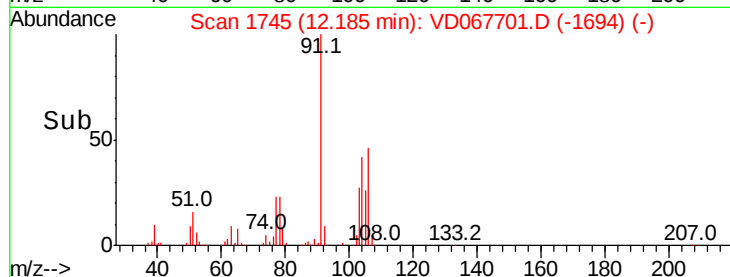
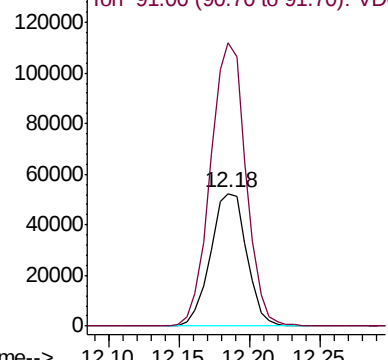
#69
o-Xylene
Concen: 22.465 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBSD01

Tot Ion:106 Resp: 94047
Ion Ratio Lower Upper
106 100
91 208.5 107.1 321.1

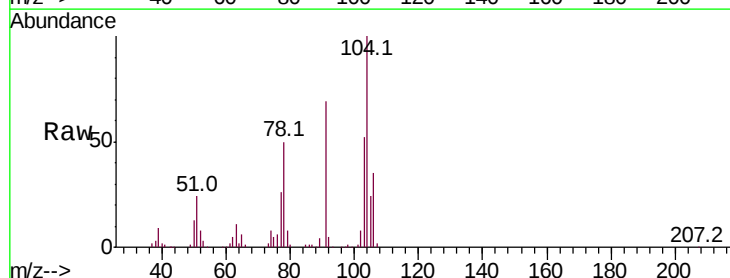


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

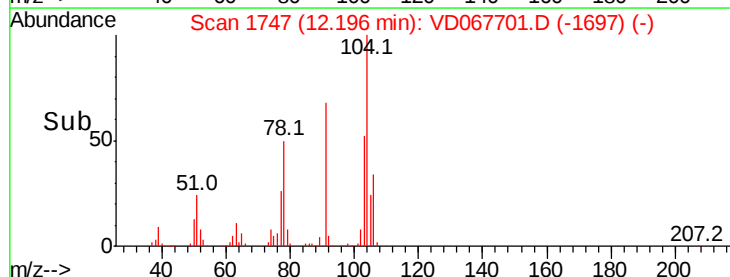
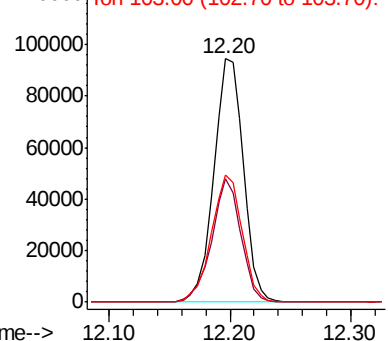


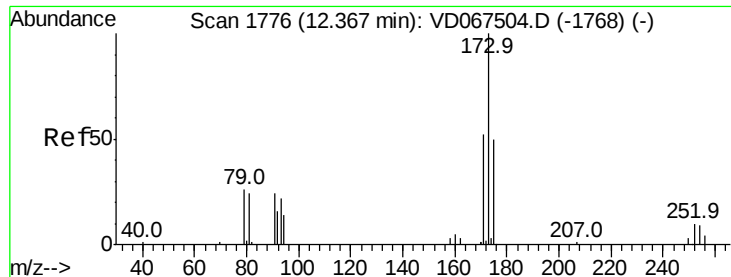
#70
Styrene
Concen: 22.121 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion:104 Resp: 161365
Ion Ratio Lower Upper
104 100
78 49.8 39.8 59.8
103 54.5 43.9 65.9



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

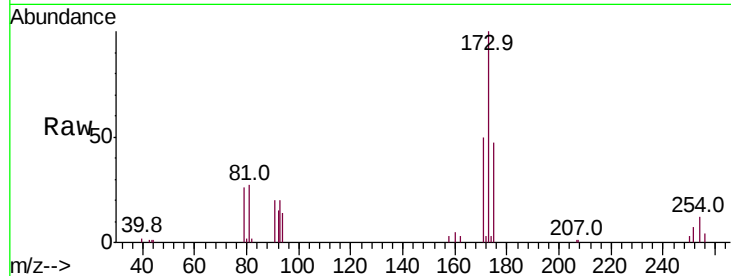




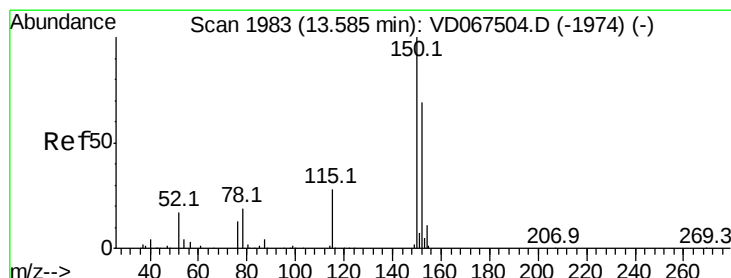
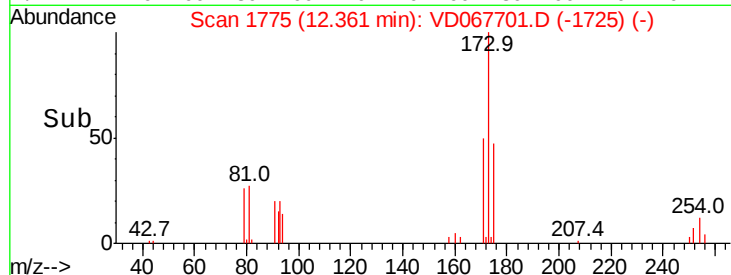
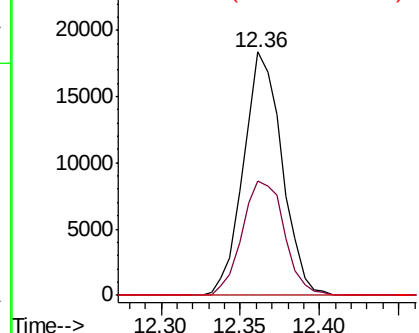
#71
Bromoform
Concen: 21.906 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion:173 Resp: 31014
Ion Ratio Lower Upper
173 100
175 51.3 24.1 72.2
254 0.0 0.0 0.0

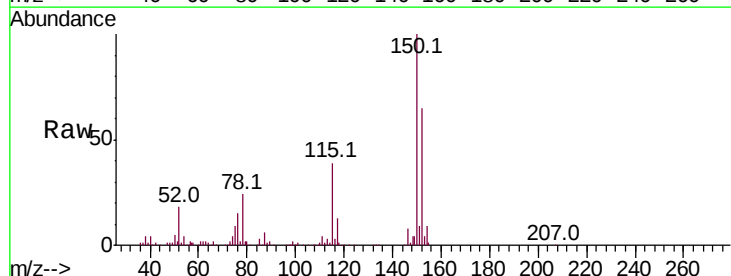


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

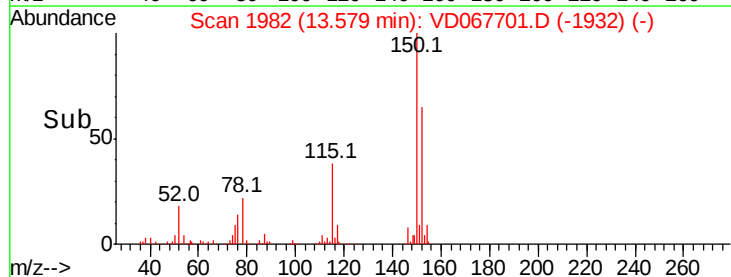
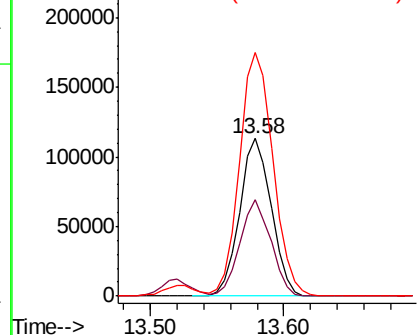


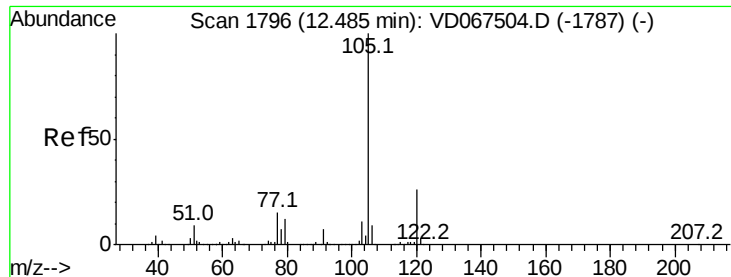
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion:152 Resp: 185174
Ion Ratio Lower Upper
152 100
115 60.1 29.3 88.0
150 164.1 0.0 338.2



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

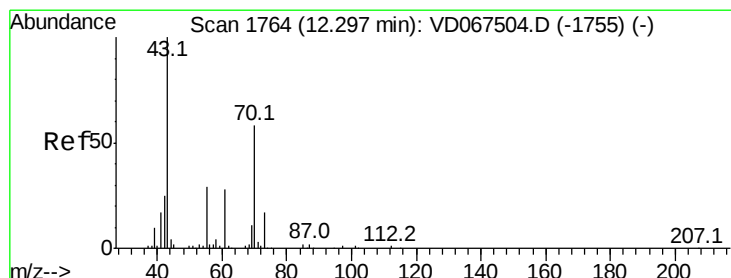
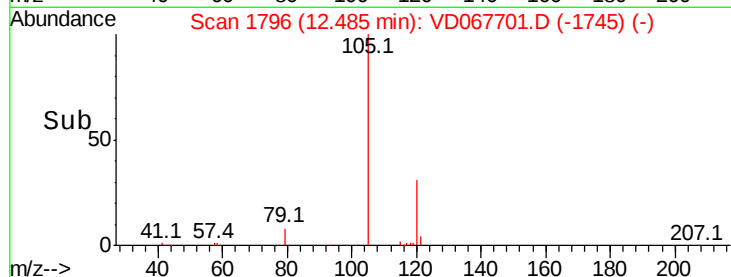
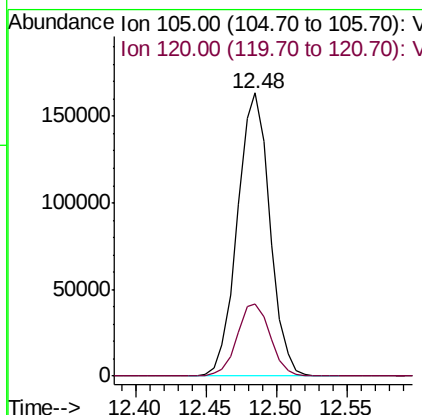
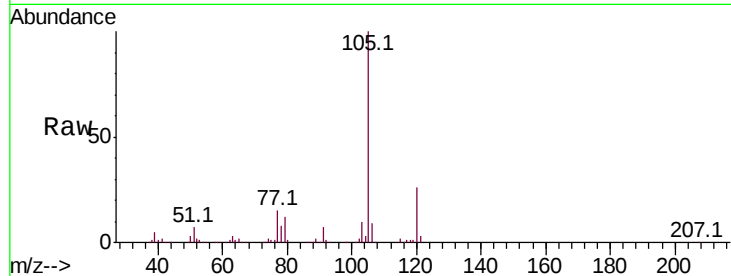




#73
Isopropylbenzene
Concen: 21.966 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

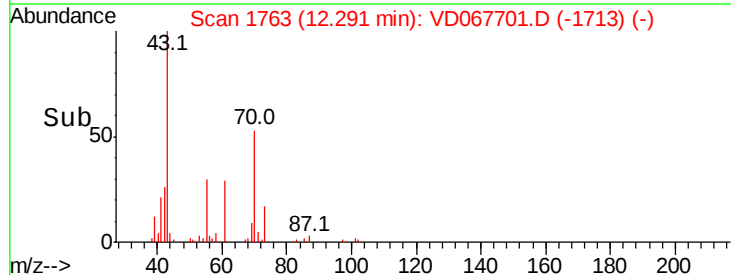
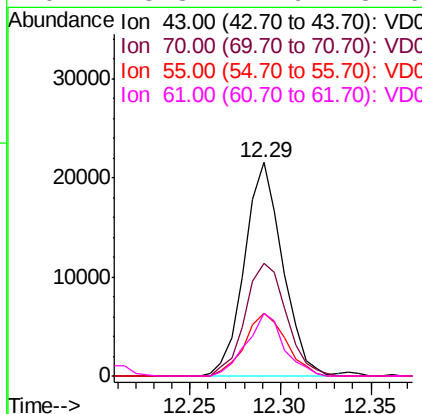
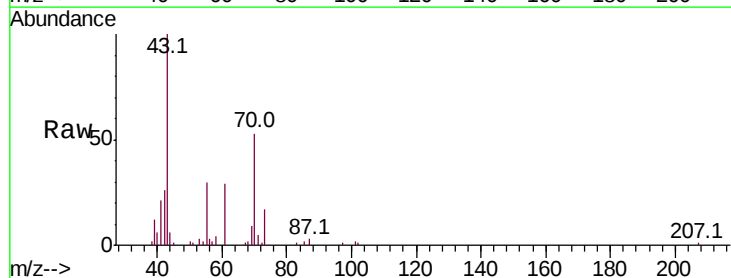
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

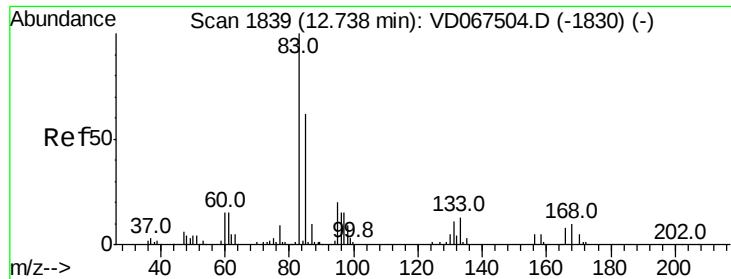
Tot Ion:105 Resp: 262872
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6



#74
N-ethyl acetate
Concen: 20.064 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion: 43 Resp: 31596
Ion Ratio Lower Upper
43 100
70 57.2 42.6 64.0
55 31.7 23.7 35.5
61 28.3 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.556 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

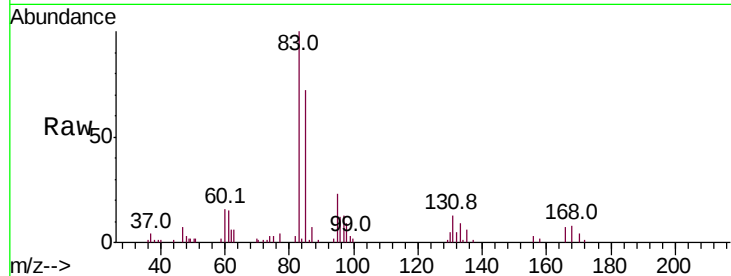
Tot Ion: 83 Resp: 36809

Ion Ratio Lower Upper

83 100

131 12.5 7.1 21.3

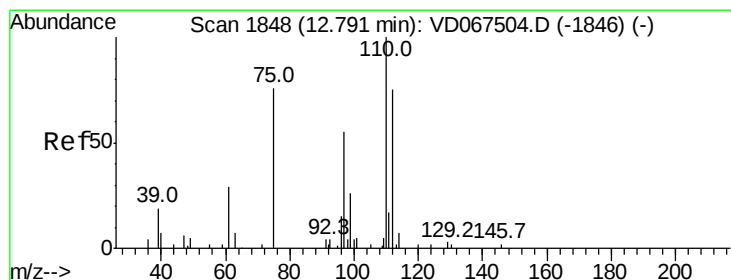
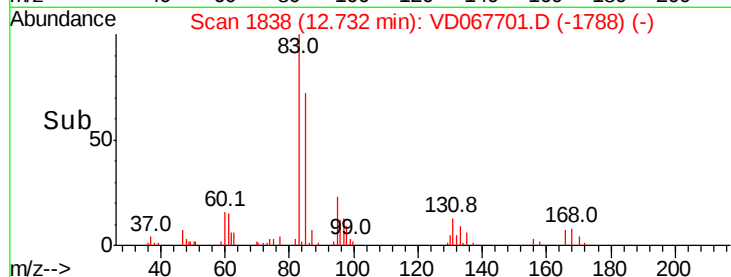
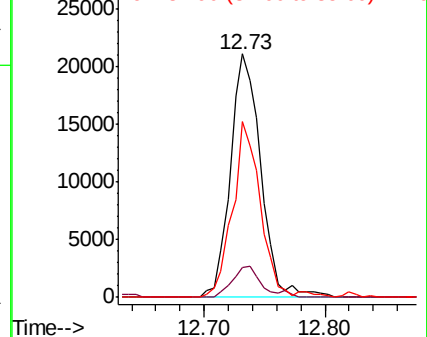
85 65.5 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 20.058 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.02 min

Lab File: VD067701.D

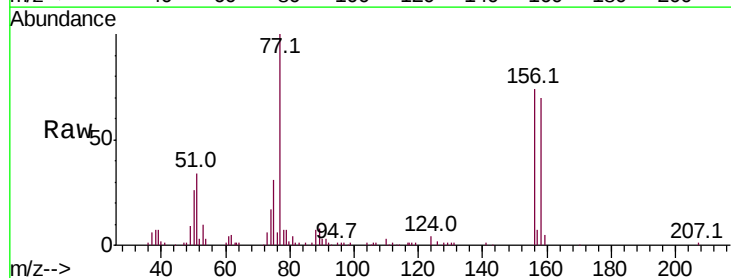
Acq: 19 Nov 2020 12:00

Tgt Ion: 75 Resp: 22406

Ion Ratio Lower Upper

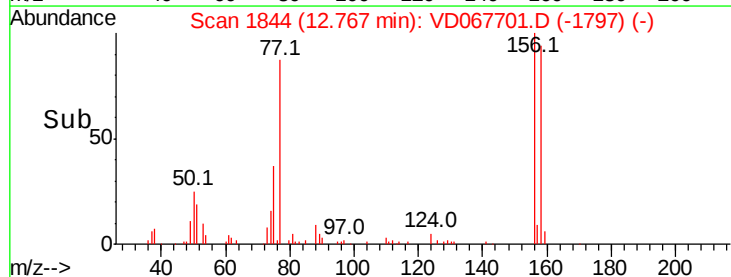
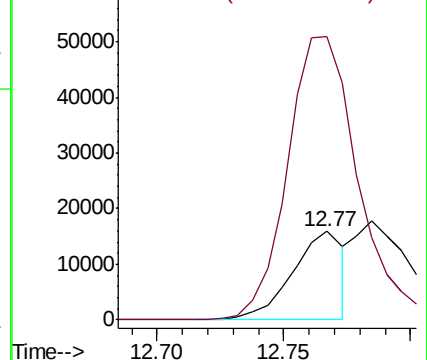
75 100

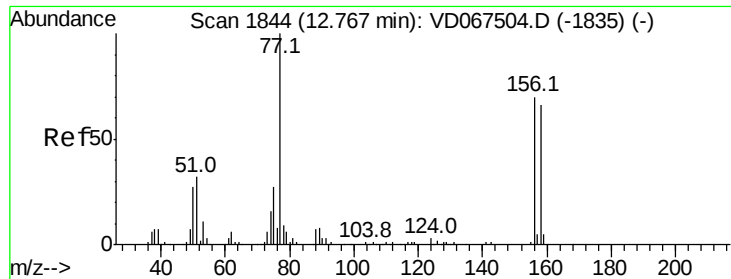
77 439.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.974 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBSD01

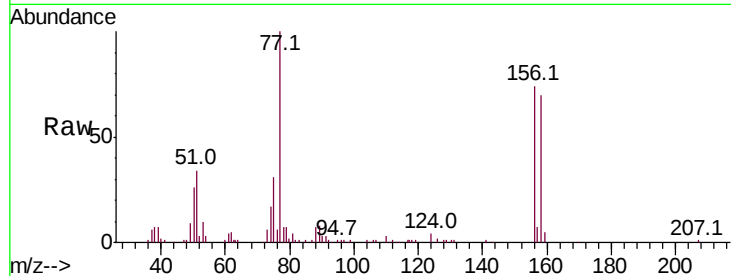
Tot Ion:156 Resp: 64584

Ion Ratio Lower Upper

156 100

77 152.5 77.8 233.5

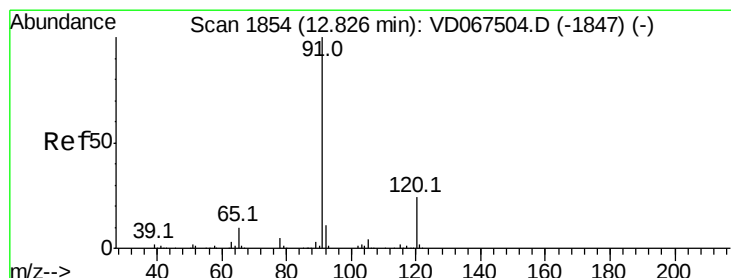
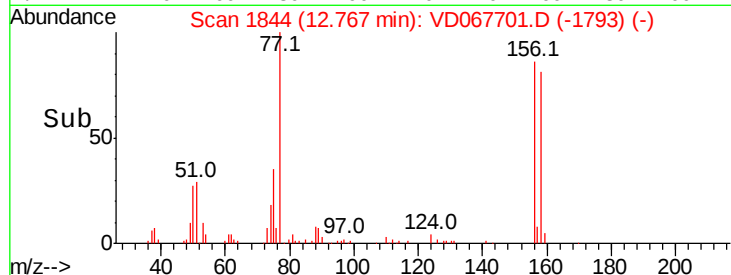
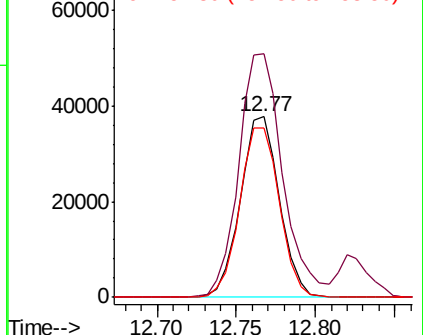
158 95.8 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.943 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067701.D

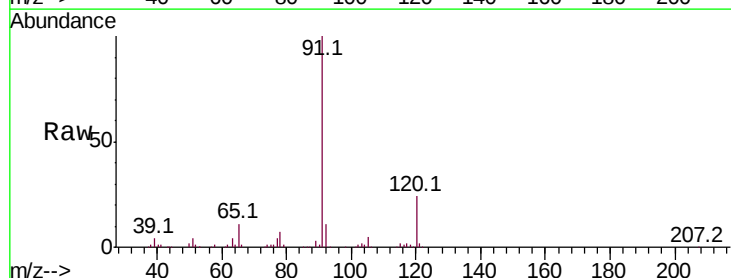
Acq: 19 Nov 2020 12:00

Tgt Ion: 91 Resp: 300378

Ion Ratio Lower Upper

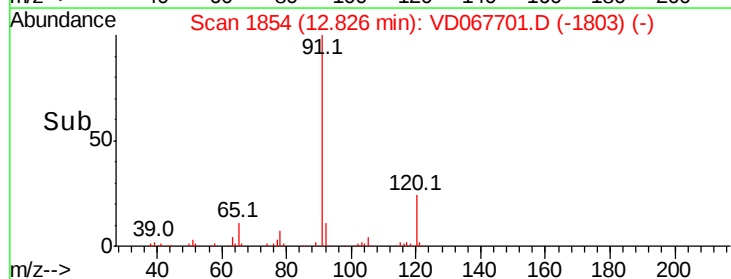
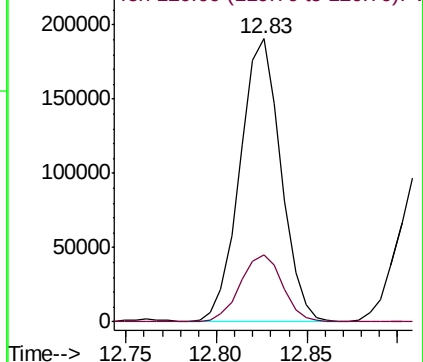
91 100

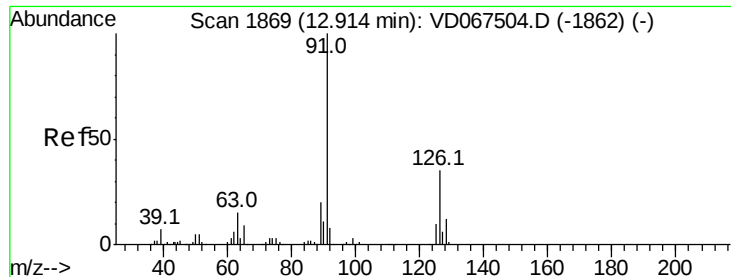
120 24.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.580 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

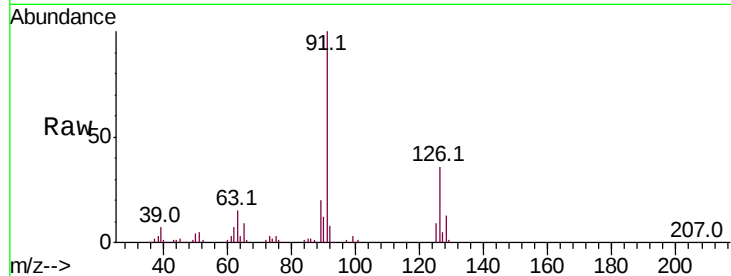
VD1119SBSD01

Tot Ion: 91 Resp: 167799

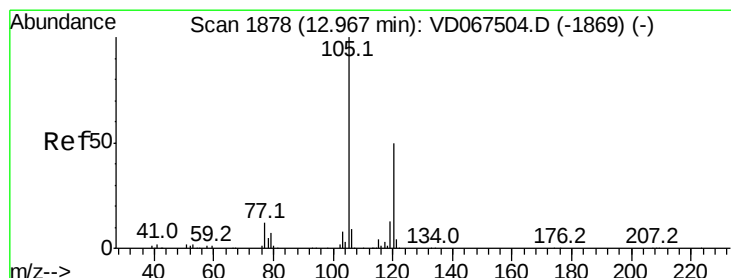
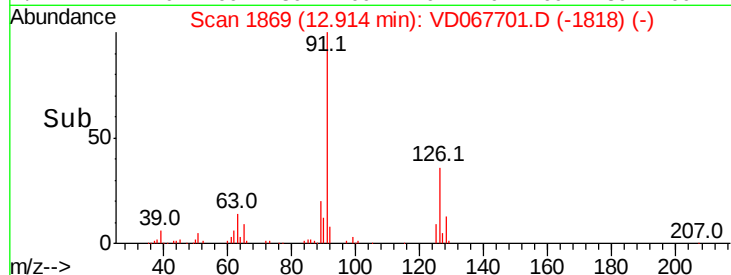
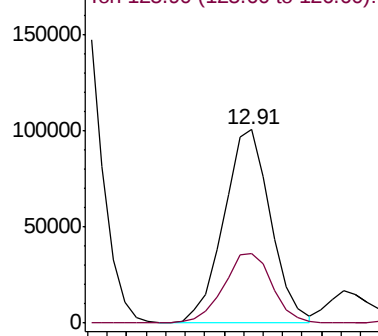
Ion Ratio Lower Upper

91 100

126 37.3 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.934 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067701.D

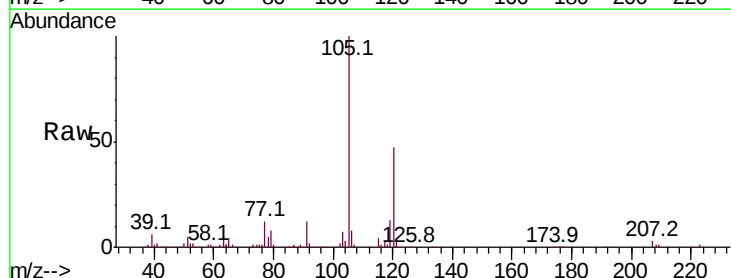
Acq: 19 Nov 2020 12:00

Tgt Ion:105 Resp: 234460

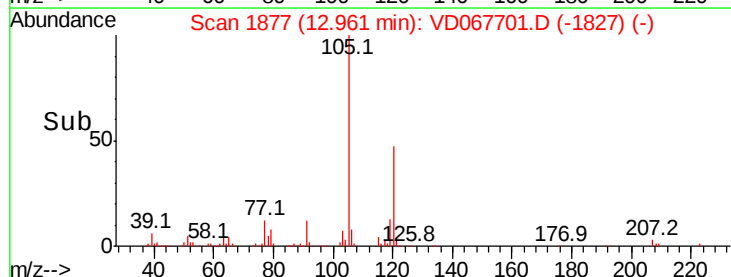
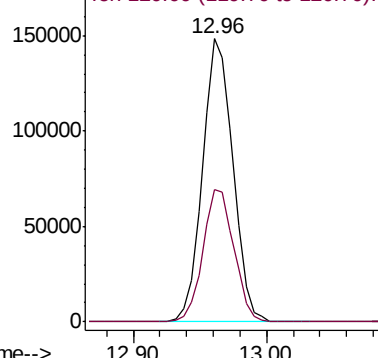
Ion Ratio Lower Upper

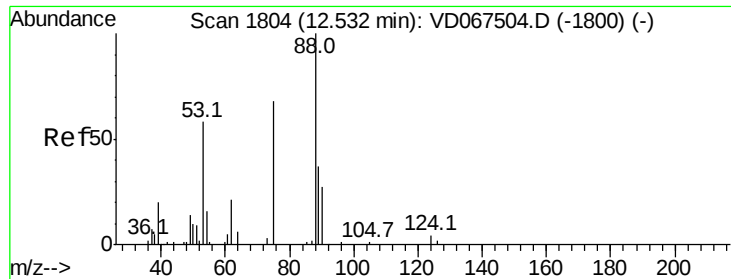
105 100

120 47.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.312 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

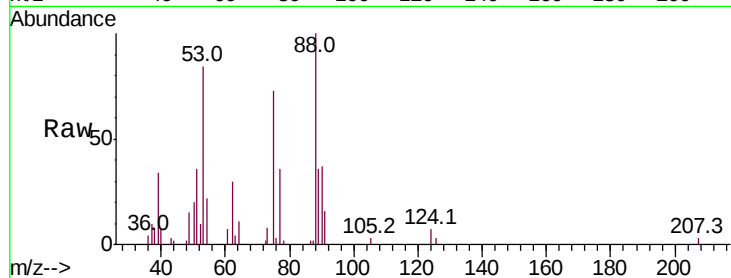
Tot Ion: 75 Resp: 11176

Ion	Ratio	Lower	Upper
75	100		
53	103.8	75.9	113.9
89	59.7	44.6	67.0

75 100

53 103.8 75.9 113.9

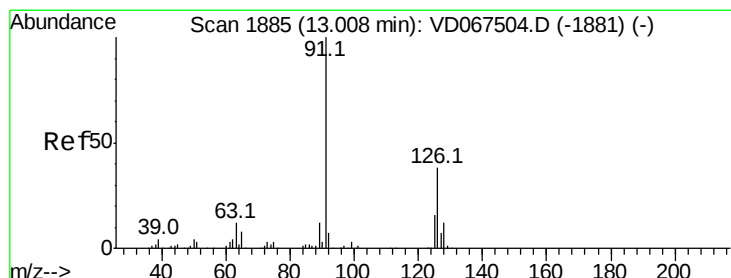
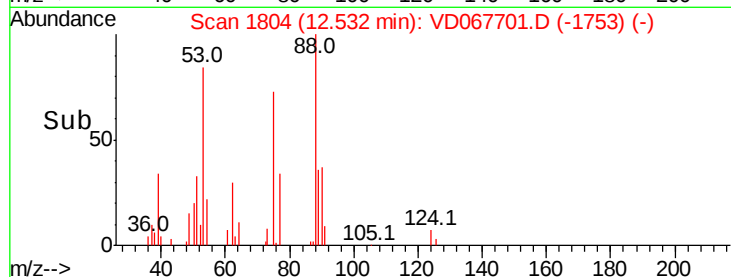
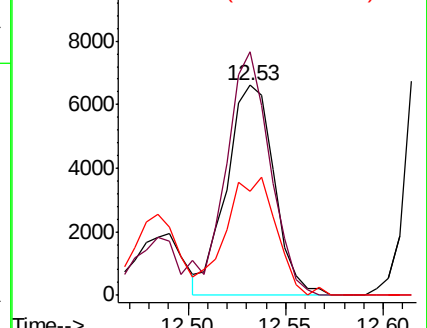
89 59.7 44.6 67.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 22.334 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067701.D

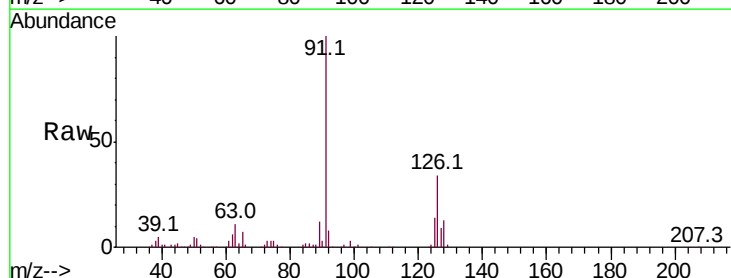
Acq: 19 Nov 2020 12:00

Tgt Ion: 91 Resp: 186259

Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.7

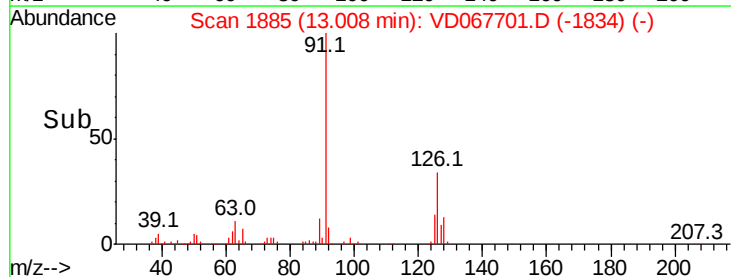
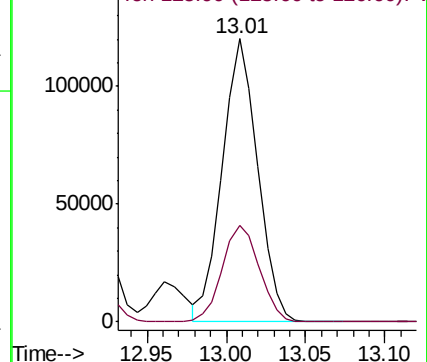
91 100

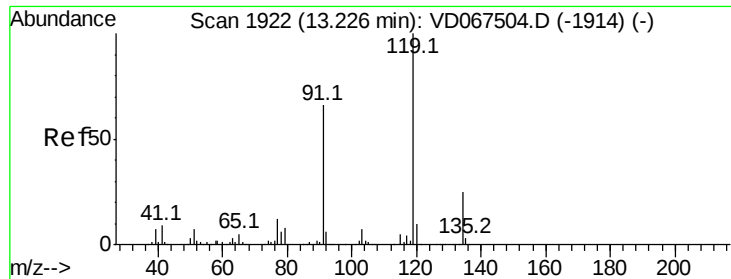
126 36.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

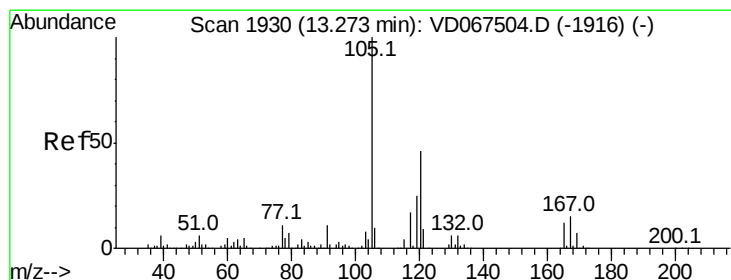
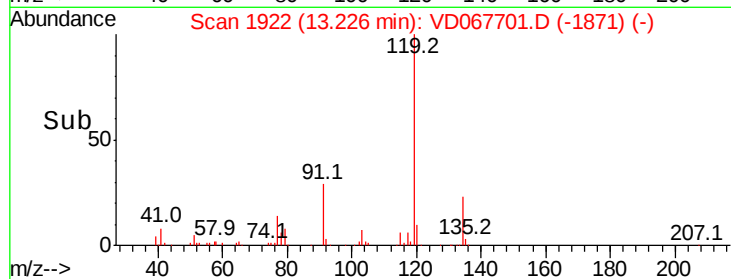
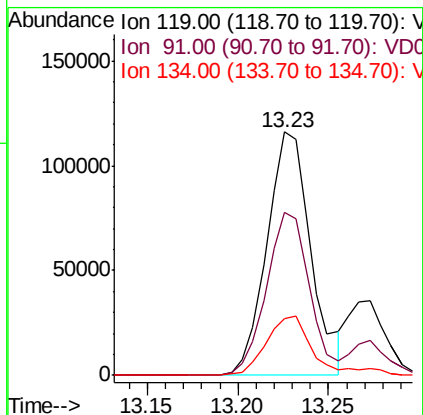
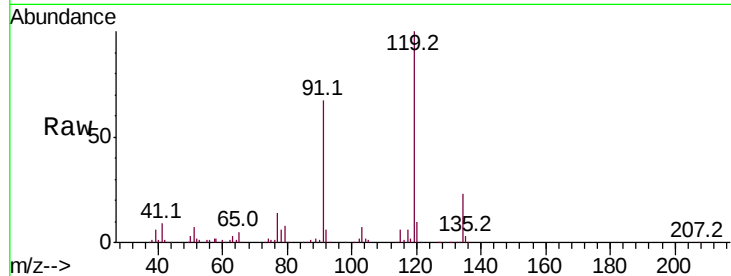




#83
tert-Butylbenzene
Concen: 22.716 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

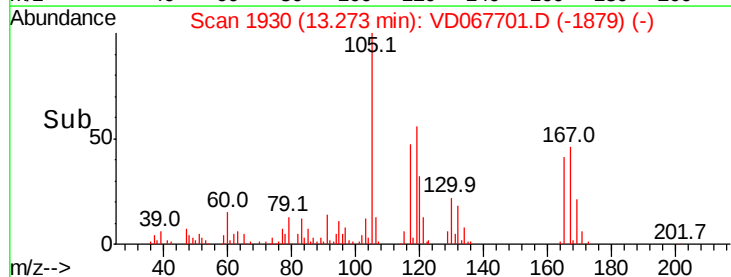
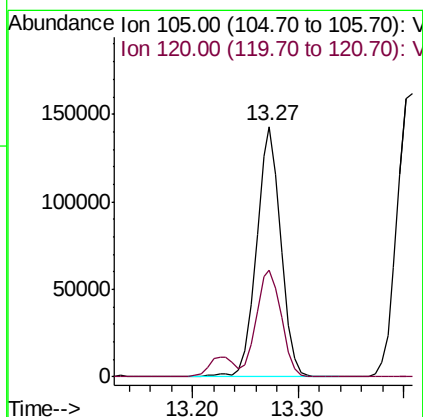
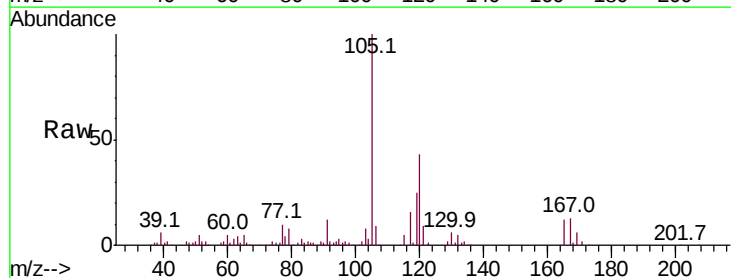
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

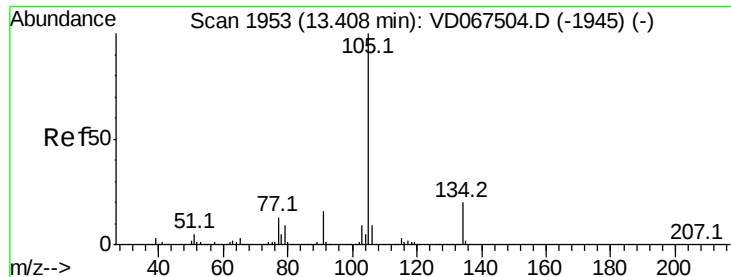
Tot Ion:119 Resp: 196815
Ion Ratio Lower Upper
119 100
91 65.5 32.7 98.1
134 26.2 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 22.489 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion:105 Resp: 228857
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1

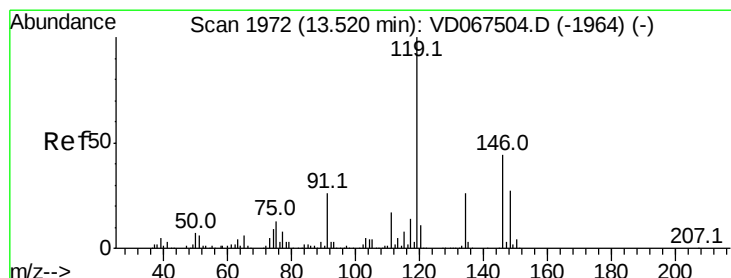
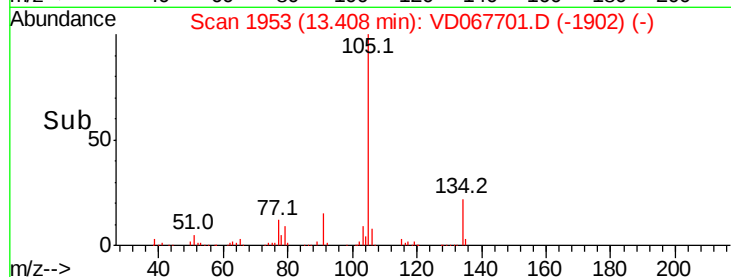
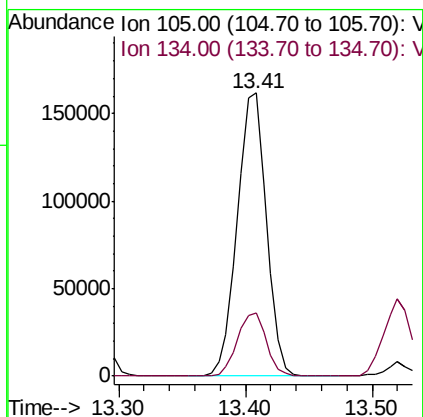
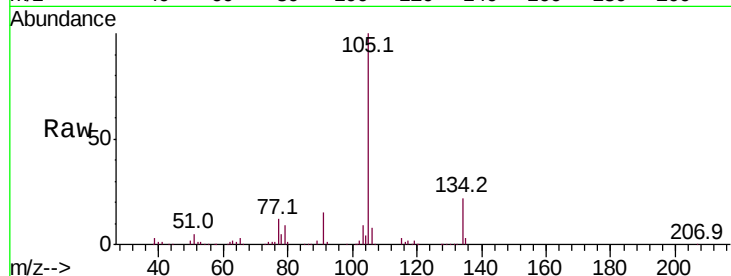




#85
 sec-Butylbenzene
 Concen: 21.992 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

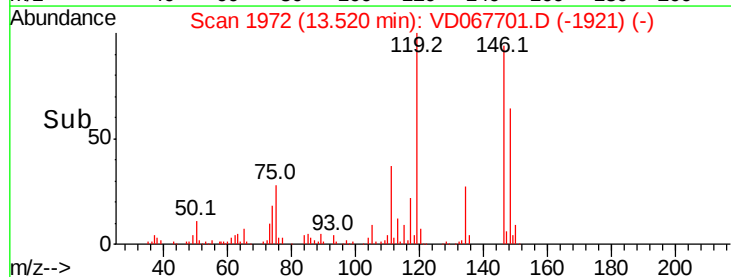
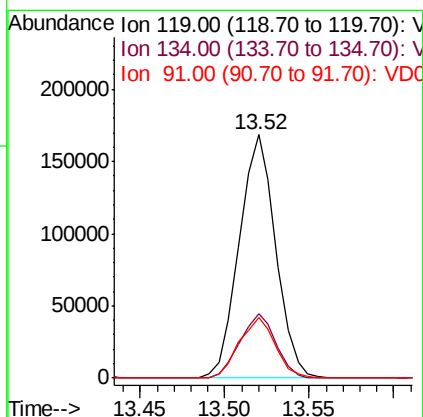
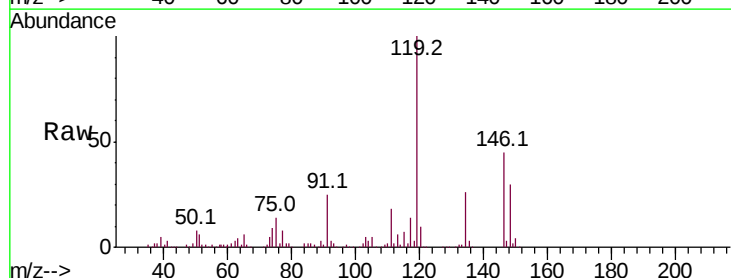
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

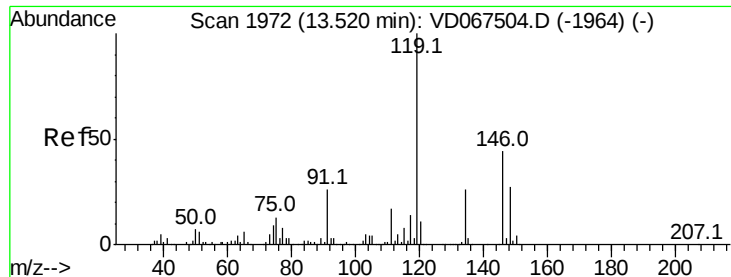
Tot Ion:105 Resp: 257224
 Ion Ratio Lower Upper
 105 100
 134 22.2 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 22.427 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

Tgt Ion:119 Resp: 253310
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.3
 91 24.3 12.2 36.4

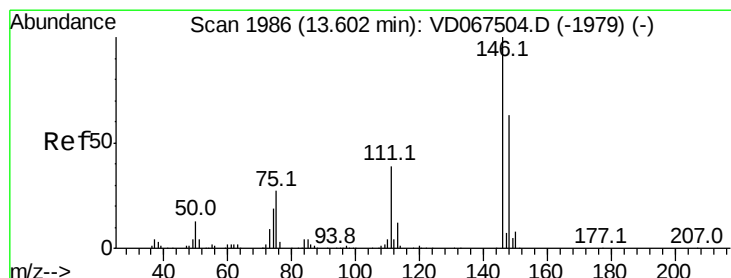
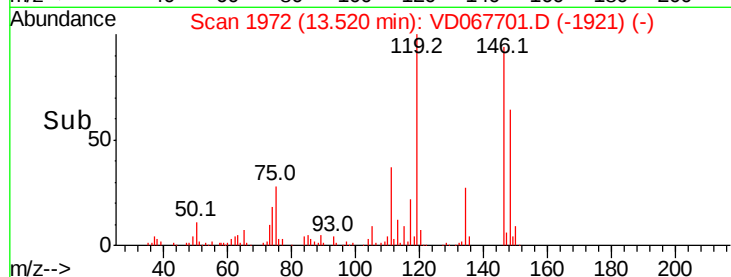
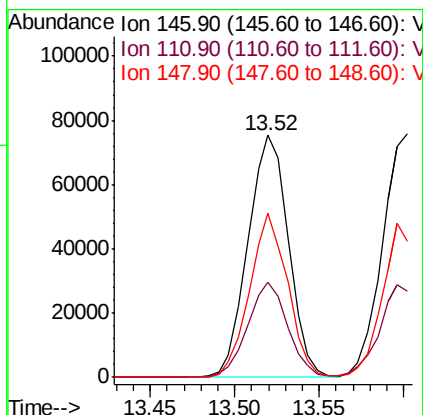
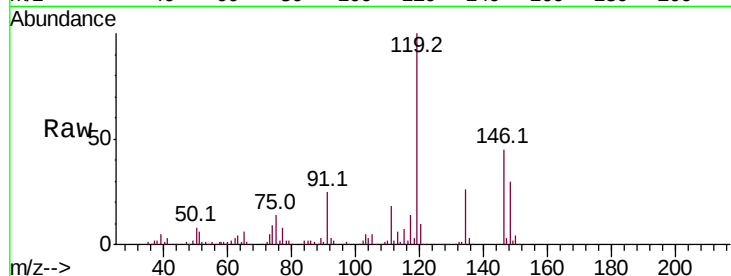




#87
 1,3-Dichlorobenzene
 Concen: 22.386 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

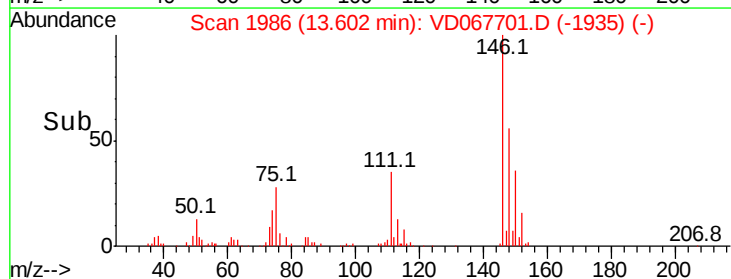
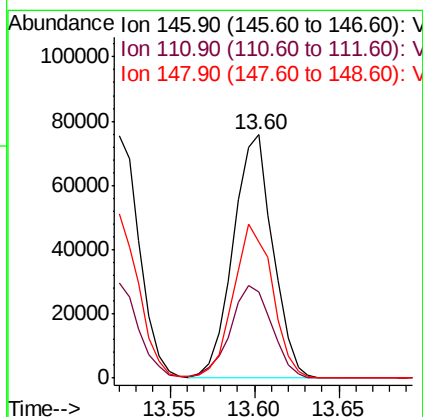
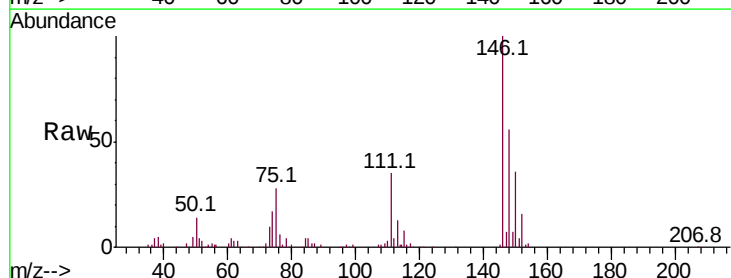
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

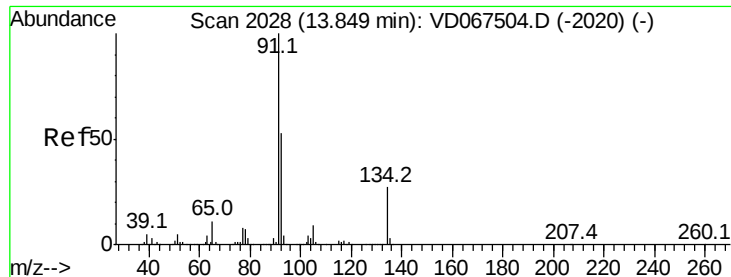
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.3	60.8
148	63.9	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.818 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	62.9	31.8	95.4

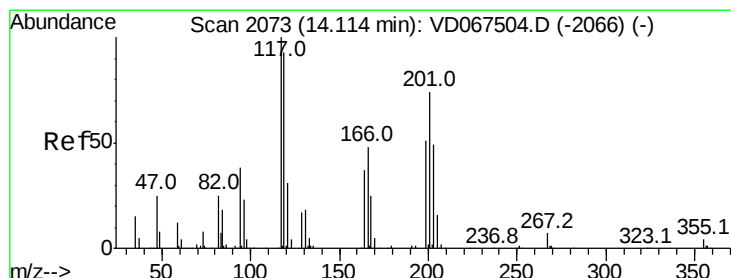
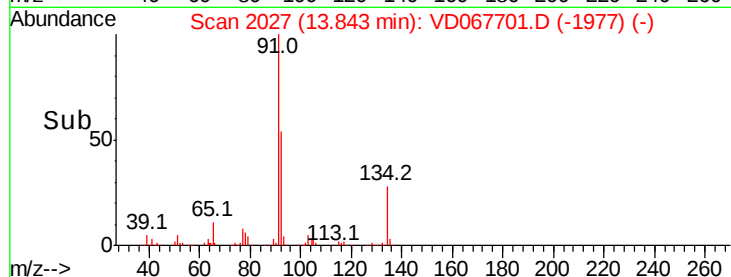
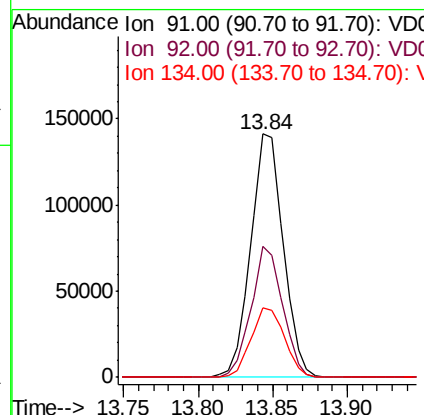
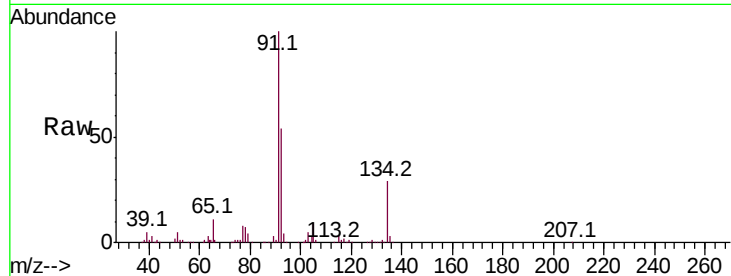




#89
n-Butylbenzene
Concen: 21.772 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

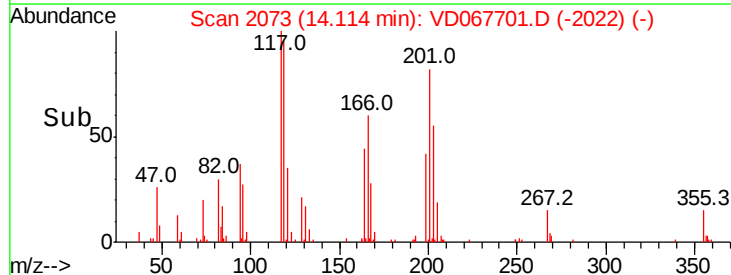
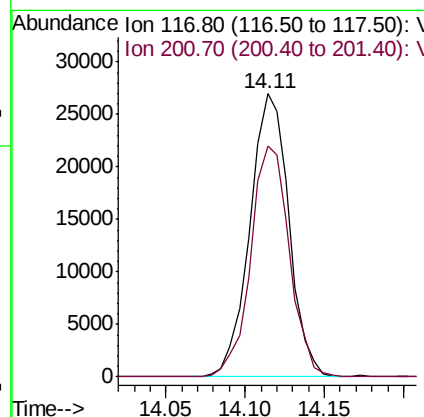
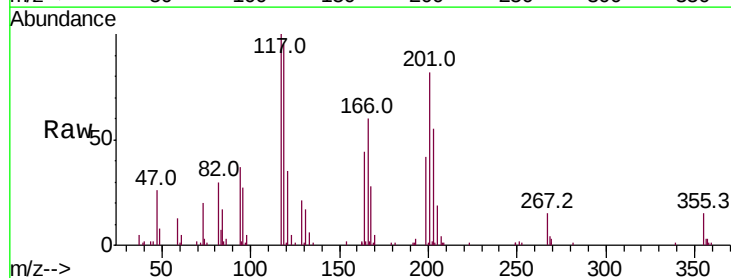
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

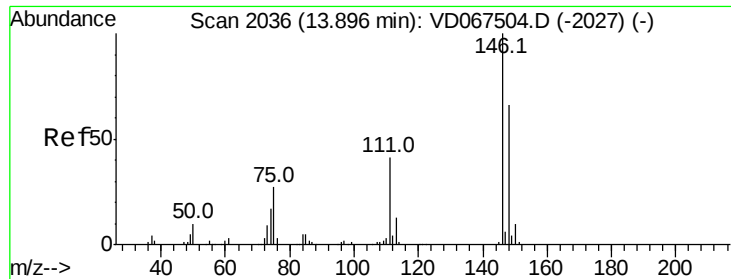
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.6	79.8
134	29.4	14.1	42.2



#90
Hexachloroethane
Concen: 21.681 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067701.D
Acq: 19 Nov 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	40.7	122.1





#91

1,2-Dichlorobenzene

Concen: 22.187 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

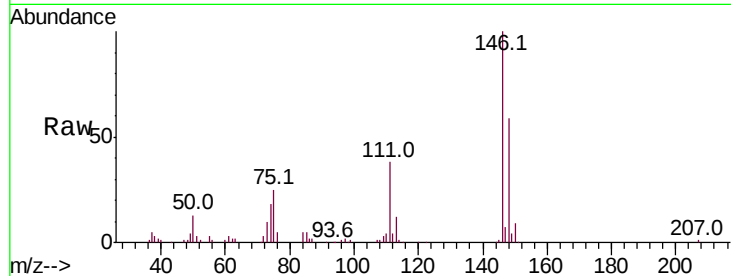
Tot Ion:146 Resp: 107688

Ion Ratio Lower Upper

146 100

111 40.7 20.7 62.1

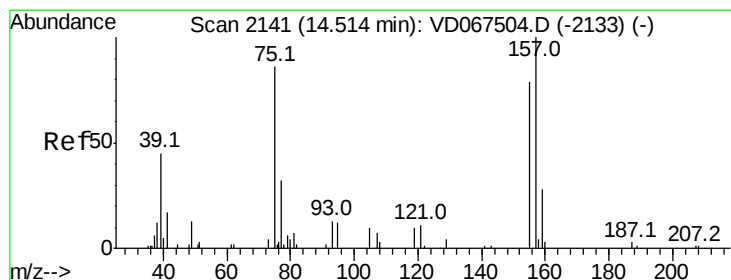
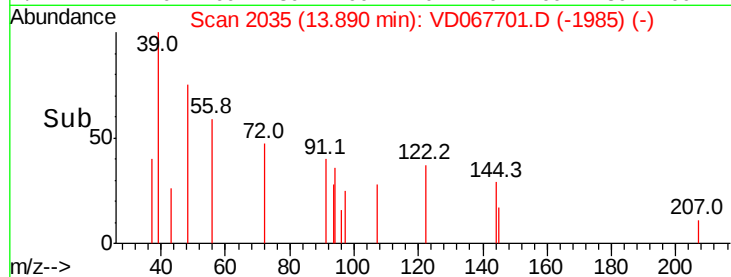
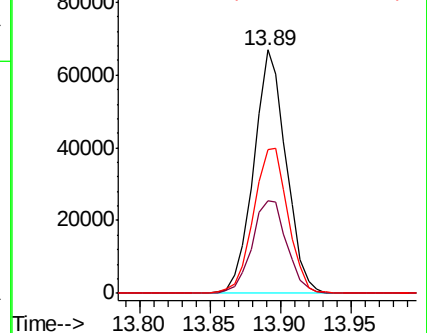
148 63.8 31.5 94.5



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: 21.704 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

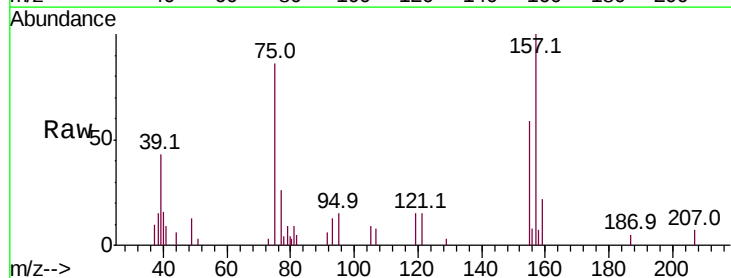
Tgt Ion: 75 Resp: 6271

Ion Ratio Lower Upper

75 100

155 96.1 46.6 139.8

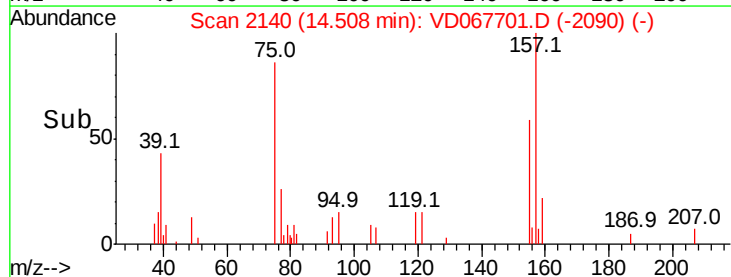
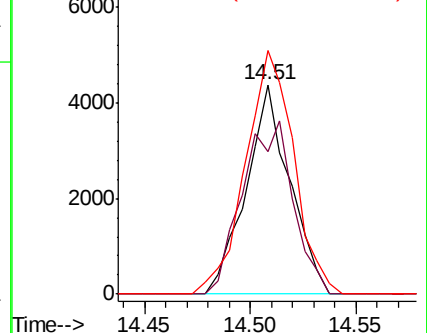
157 128.8 58.1 174.2

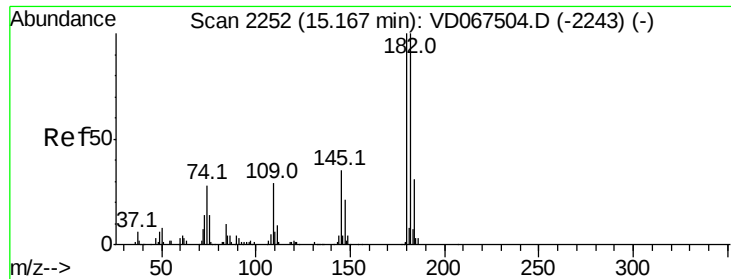


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

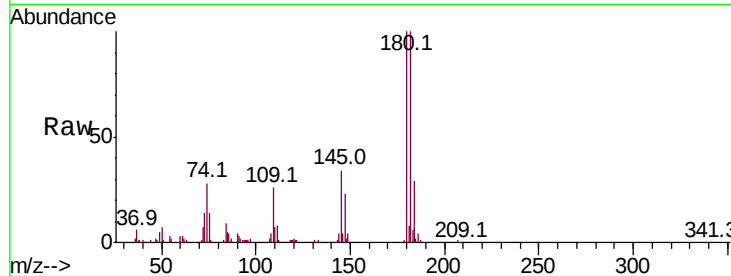




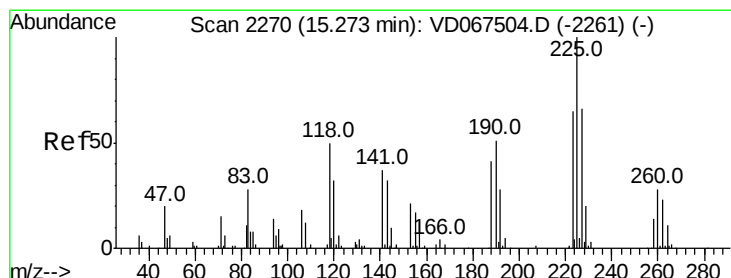
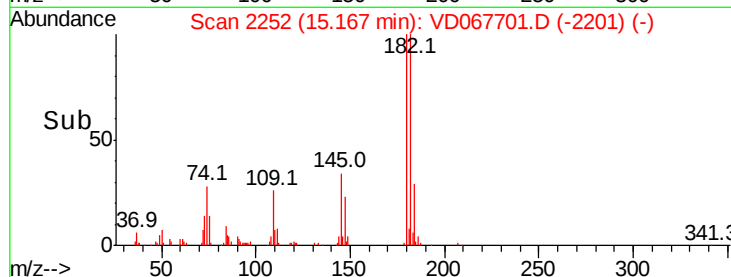
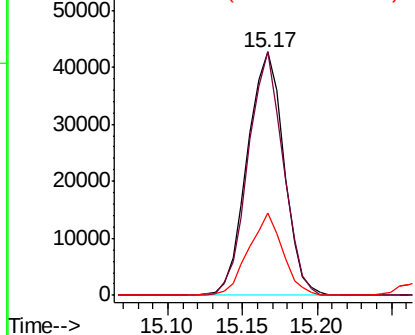
#93
 1,2,4-Trichlorobenzene
 Concen: 21.982 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.4	142.3
145	31.5	16.2	48.6

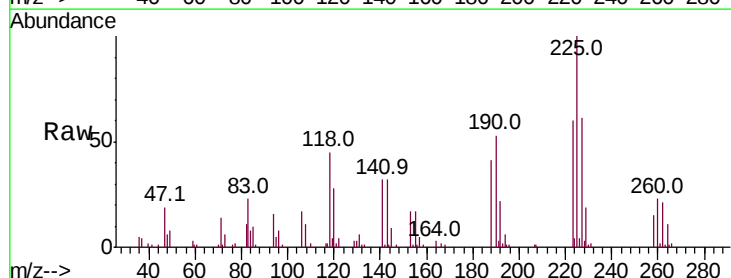


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

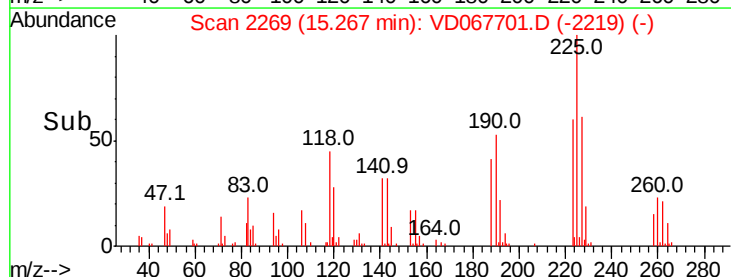
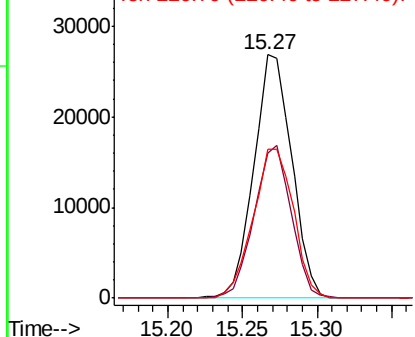


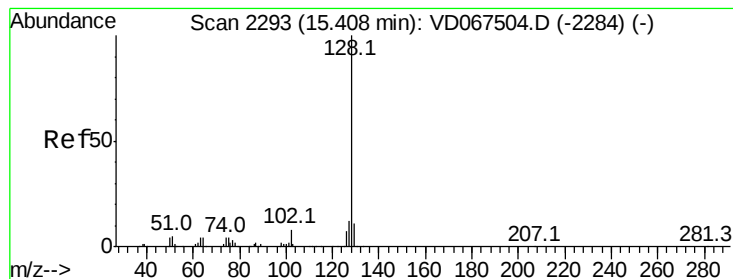
#94
 Hexachlorobutadiene
 Concen: 21.465 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067701.D
 Acq: 19 Nov 2020 12:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.9	95.5
227	65.0	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.994 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

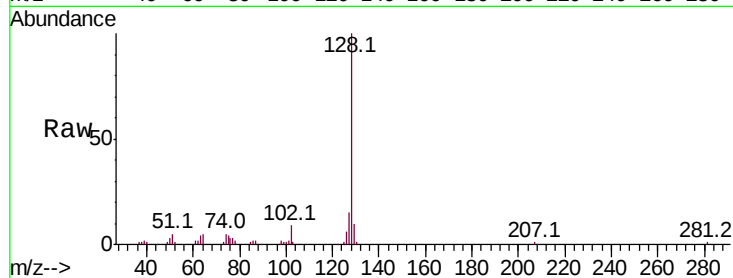
Tot Ion:128 Resp: 111813

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

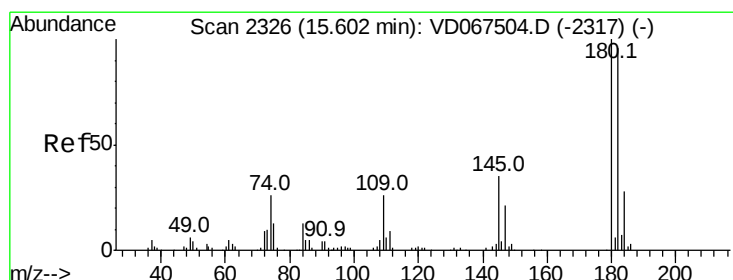
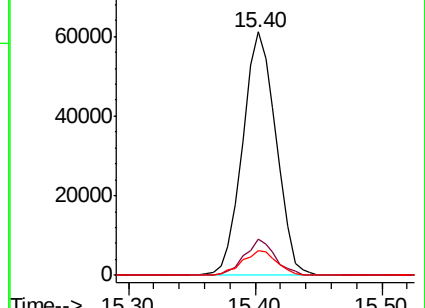
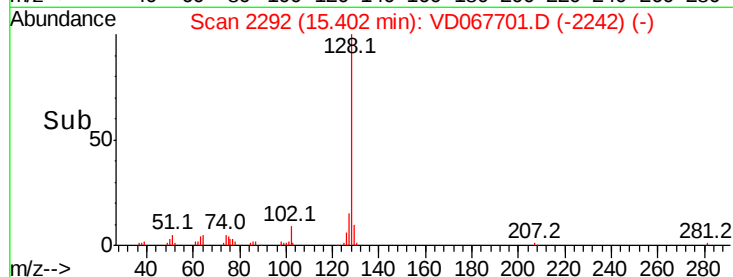
129 10.4 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.459 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067701.D

Acq: 19 Nov 2020 12:00

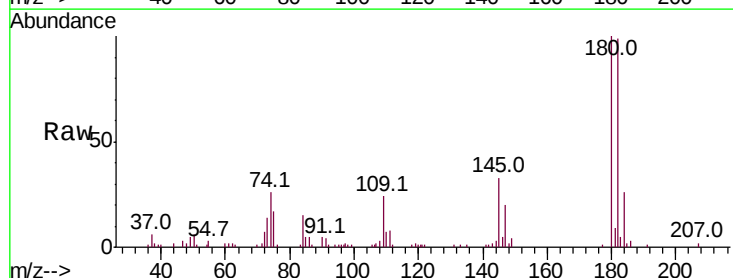
Tgt Ion:180 Resp: 60536

Ion Ratio Lower Upper

180 100

182 100.0 46.9 140.8

145 37.4 17.1 51.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

