

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064811.D
 Acq On : 09 Jan 2020 12:28
 Operator : VA/SY
 Sample : VD0109SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 09 13:07:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	394755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	578531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245984	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	192711	55.36	ug/l	0.00
Spiked Amount			Recovery	=	110.72%	
35) Dibromofluoromethane	7.92	113	191653	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	
50) Toluene-d8	10.34	98	731738	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	
62) 4-Bromofluorobenzene	12.64	95	230705	53.67	ug/l	0.00
Spiked Amount			Recovery	=	107.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	65950	21.497	ug/l	99
3) Chloromethane	2.21	50	97665	22.763	ug/l	98
4) Vinyl Chloride	2.35	62	114509	21.889	ug/l	97
5) Bromomethane	2.76	94	81516	21.431	ug/l	97
6) Chloroethane	2.92	64	80106	22.853	ug/l	99
7) Trichlorofluoromethane	3.27	101	193327	21.948	ug/l	95
8) Diethyl Ether	3.71	74	36443	20.835	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.08	101	85496	23.437	ug/l	98
10) Methyl Iodide	4.29	142	82380	21.024	ug/l	99
11) Tert butyl alcohol	5.25	59	21082	105.678	ug/l	98
12) 1,1-Dichloroethene	4.06	96	77618	22.349	ug/l	98
13) Acrolein	3.92	56	23579	84.810	ug/l	97
14) Allyl chloride	4.71	41	121731	22.481	ug/l	99
15) Acrylonitrile	5.43	53	83124	114.090	ug/l	99
16) Acetone	4.17	43	84787	110.649	ug/l #	88
17) Carbon Disulfide	4.40	76	238155	21.207	ug/l	98
18) Methyl Acetate	4.72	43	43848	22.375	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	167561	21.722	ug/l	96
20) Methylene Chloride	4.96	84	93392	23.659	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	86859	21.961	ug/l	99
22) Diisopropyl ether	6.37	45	243606	22.555	ug/l	97
23) Vinyl Acetate	6.31	43	671741	109.643	ug/l	99
24) 1,1-Dichloroethane	6.27	63	148363	22.882	ug/l	100
25) 2-Butanone	7.22	43	106857	111.680	ug/l	99
26) 2,2-Dichloropropane	7.21	77	140067	23.235	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	94897	22.231	ug/l	96
28) Bromochloromethane	7.55	49	52052	20.652	ug/l	98
29) Tetrahydrofuran	7.57	42	62226	104.578	ug/l	100
30) Chloroform	7.71	83	155104	22.801	ug/l	98
31) Cyclohexane	7.98	56	141080	21.737	ug/l #	89
32) 1,1,1-Trichloroethane	7.90	97	146909	22.992	ug/l	99
36) 1,1-Dichloropropene	8.11	75	124126	22.291	ug/l	98
37) Ethyl Acetate	7.30	43	49563	22.657	ug/l	98
38) Carbon Tetrachloride	8.10	117	133315	22.453	ug/l	98

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 MSVOA_D
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Quant Time: Jan 09 13:07:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	144202	21.381	ug/l	93
40) Benzene	8.35	78	342677	22.543	ug/l	100
41) Methacrylonitrile	7.53	41	27344	21.544	ug/l	93
42) 1,2-Dichloroethane	8.43	62	98210	22.358	ug/l	100
43) Isopropyl Acetate	8.46	43	92717	21.294	ug/l	100
44) Trichloroethene	9.11	130	100691	22.548	ug/l	95
45) 1,2-Dichloropropane	9.39	63	83080	22.891	ug/l	97
46) Dibromomethane	9.48	93	44742	22.111	ug/l	97
47) Bromodichloromethane	9.67	83	119107	22.120	ug/l	100
48) Methyl methacrylate	9.46	41	43840	21.384	ug/l	93
49) 1,4-Dioxane	9.47	88	9668	414.354	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	235461	109.408	ug/l	100
52) Toluene	10.41	92	218821	21.941	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	109887	21.889	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	133727	22.591	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	58849	21.580	ug/l	97
56) Ethyl methacrylate	10.66	69	72791	21.373	ug/l	96
57) 1,3-Dichloropropane	10.96	76	101706	21.661	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	148028	114.082	ug/l	99
59) 2-Hexanone	10.99	43	166503	113.989	ug/l	97
60) Dibromochloromethane	11.14	129	81826	21.698	ug/l	98
61) 1,2-Dibromoethane	11.25	107	58387	21.707	ug/l	97
64) Tetrachloroethene	10.88	164	85360	21.978	ug/l	92
65) Chlorobenzene	11.67	112	233500	22.223	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	87658	22.130	ug/l	99
67) Ethyl Benzene	11.75	91	421453	22.099	ug/l	98
68) m/p-Xylenes	11.86	106	320385	43.524	ug/l	97
69) o-Xylene	12.18	106	142195	21.386	ug/l	99
70) Styrene	12.20	104	249932	21.415	ug/l	99
71) Bromoform	12.37	173	48280	21.373	ug/l #	100
73) Isopropylbenzene	12.48	105	403251	22.940	ug/l	98
74) N-amyl acetate	12.30	43	83629	22.256	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	63056	22.835	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	83940	43.214	ug/l #	100
77) Bromobenzene	12.77	156	96272	22.289	ug/l	98
78) n-propylbenzene	12.83	91	475086	23.166	ug/l	98
79) 2-Chlorotoluene	12.91	91	252997	22.457	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	325405	22.535	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21828	23.503	ug/l	99
82) 4-Chlorotoluene	13.01	91	272118	22.698	ug/l	99
83) tert-Butylbenzene	13.23	119	281419	22.446	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	325398	22.627	ug/l	99
85) sec-Butylbenzene	13.41	105	389988	22.689	ug/l	99
86) p-Isopropyltoluene	13.53	119	359583	21.879	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	181643	22.060	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	179653	22.210	ug/l	98
89) n-Butylbenzene	13.85	91	334788	22.620	ug/l	98
90) Hexachloroethane	14.12	117	70889	22.580	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	157870	22.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9659	21.577	ug/l	89

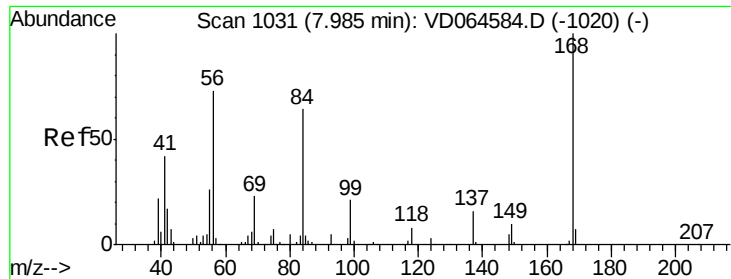
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
Data File : VD064811.D
Acq On : 09 Jan 2020 12:28
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Quant Time: Jan 09 13:07:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	109192	21.121	ug/l	99
94) Hexachlorobutadiene	15.28	225	71026	21.833	ug/l	97
95) Naphthalene	15.41	128	162675	19.890	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	91936	20.831	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

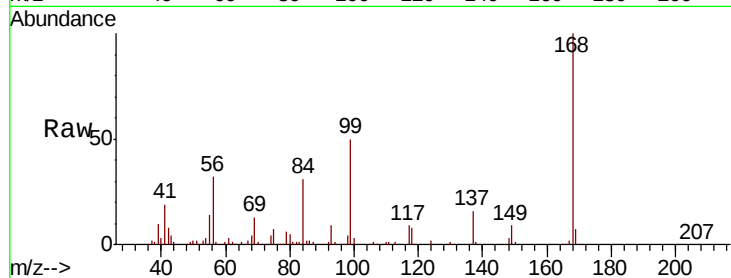
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 394755

Ion Ratio Lower Upper

168 100

99 49.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

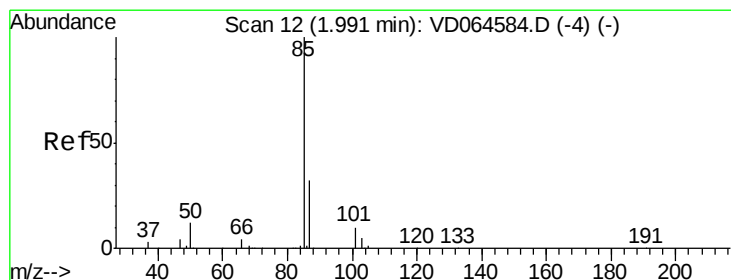
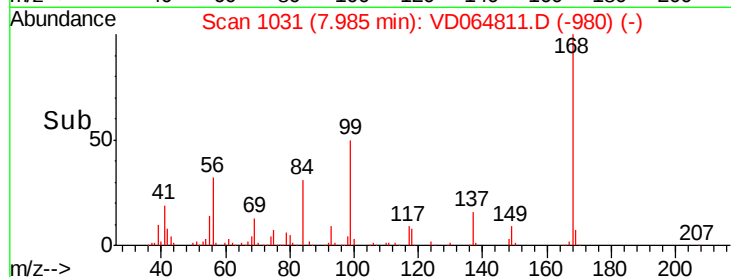
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.497 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064811.D

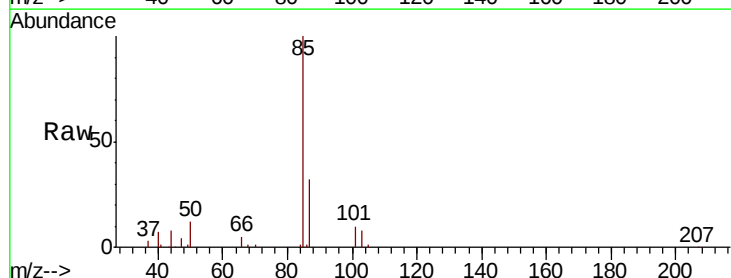
Acq: 09 Jan 2020 12:28

Tgt Ion: 85 Resp: 65950

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

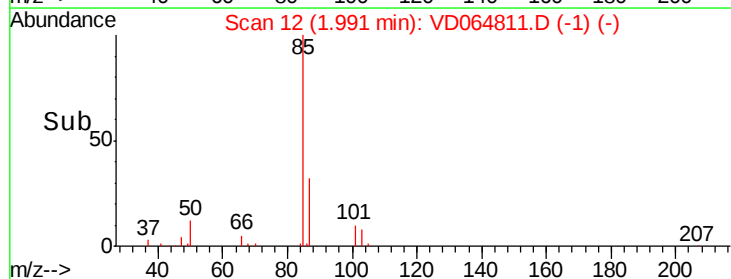
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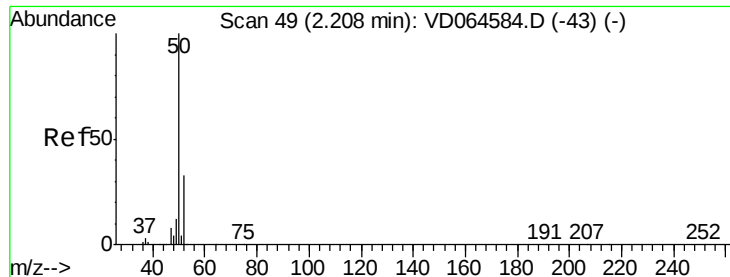
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.763 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

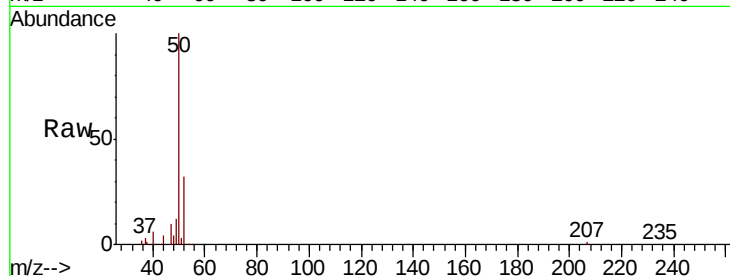
ClientSampleId :

Tot Ion: 50 Resp: 97665

Ion Ratio Lower Upper

50 100

52 32.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

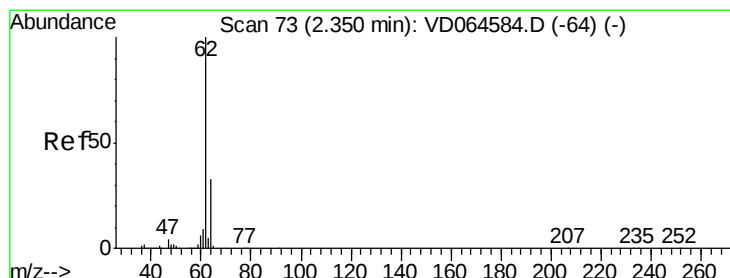
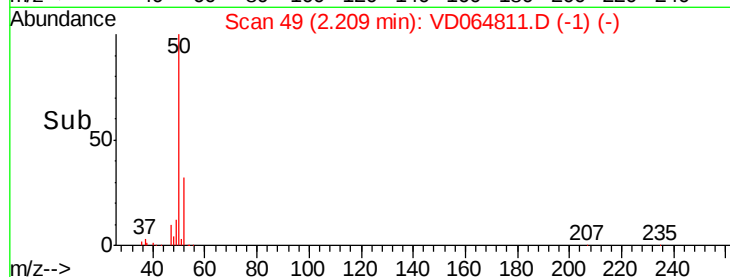
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.889 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064811.D

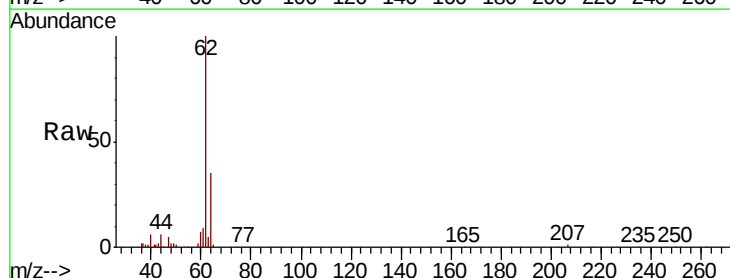
Acq: 09 Jan 2020 12:28

Tgt Ion: 62 Resp: 114509

Ion Ratio Lower Upper

62 100

64 35.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

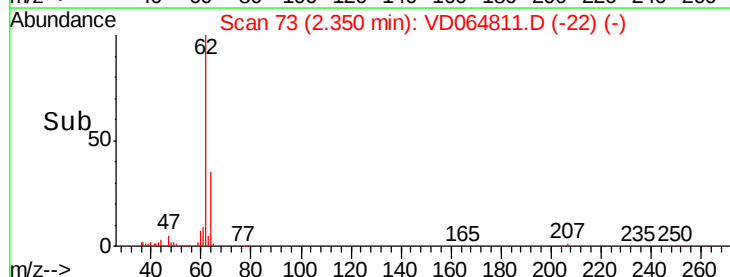
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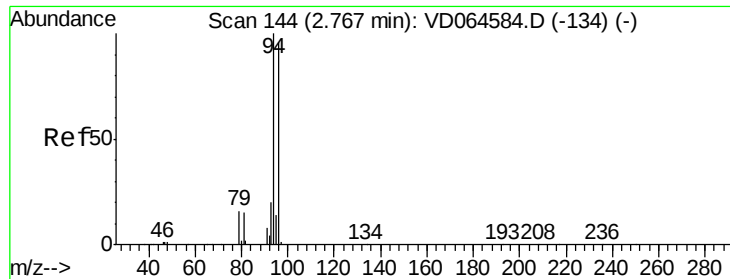
40000

20000

0

Time-->





#5

Bromomethane

Concen: 21.431 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

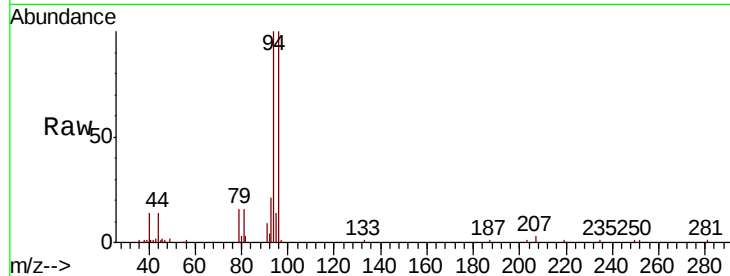
ClientSampleId :

Tot Ion: 94 Resp: 81516

Ion Ratio Lower Upper

94 100

96 99.2 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

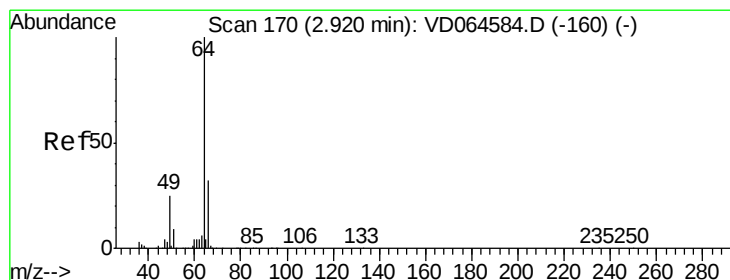
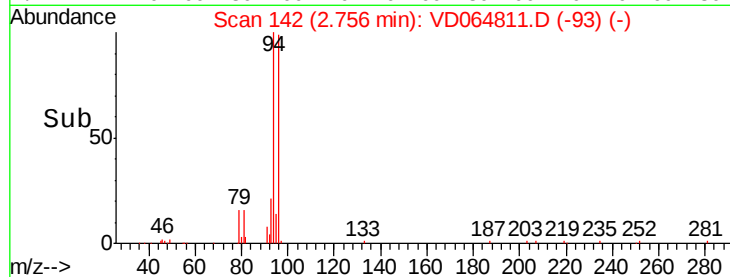
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 22.853 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064811.D

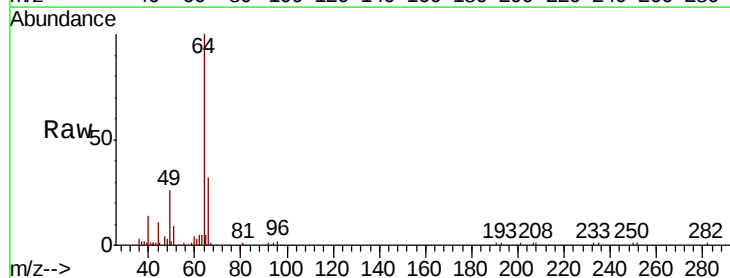
Acq: 09 Jan 2020 12:28

Tgt Ion: 64 Resp: 80106

Ion Ratio Lower Upper

64 100

66 32.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

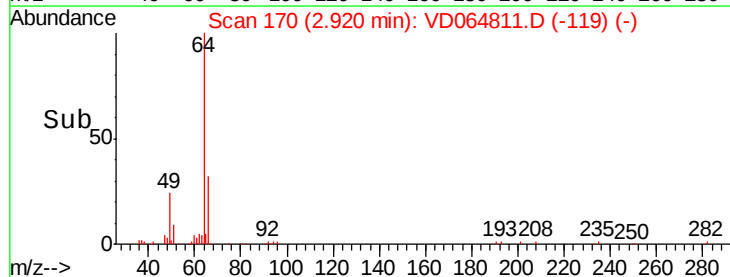
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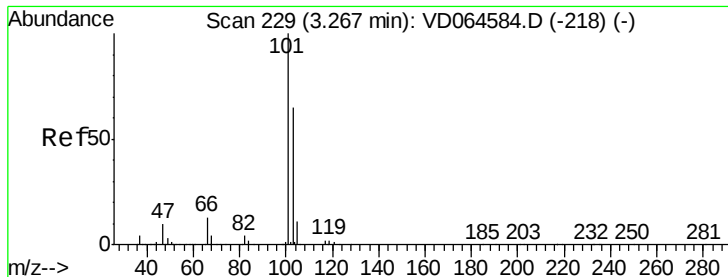
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10000

0

Time-->



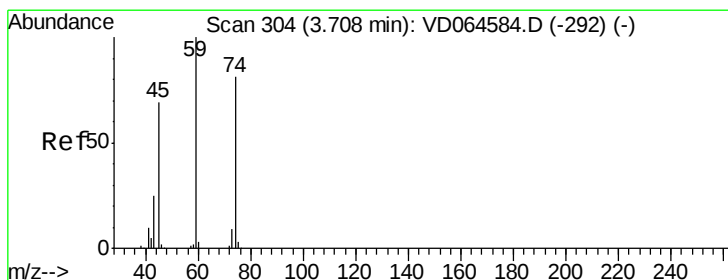
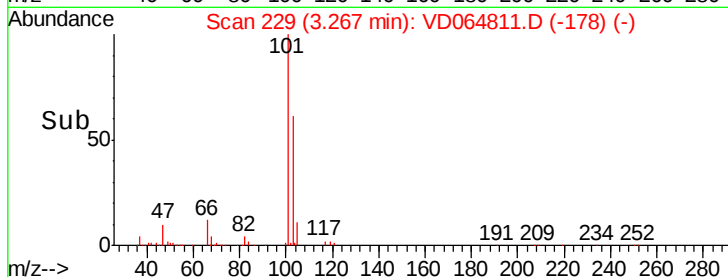
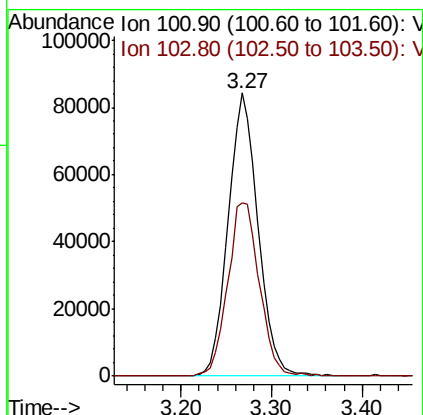
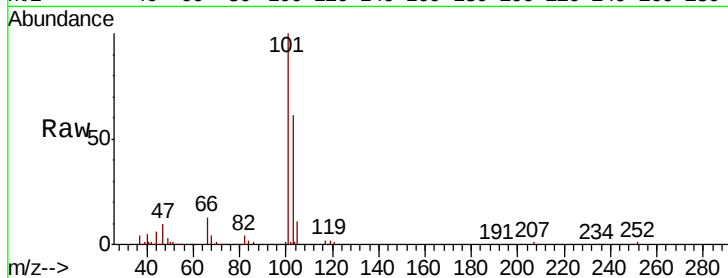


#7

Trichlorofluoromethane
 Concen: 21.948 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :

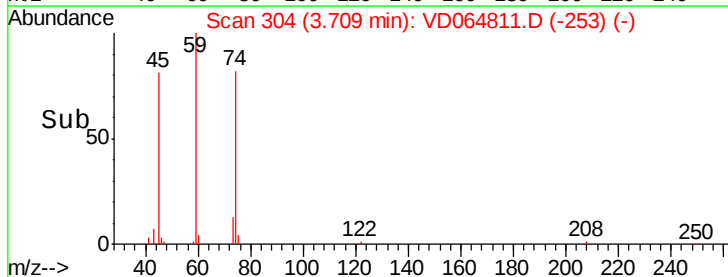
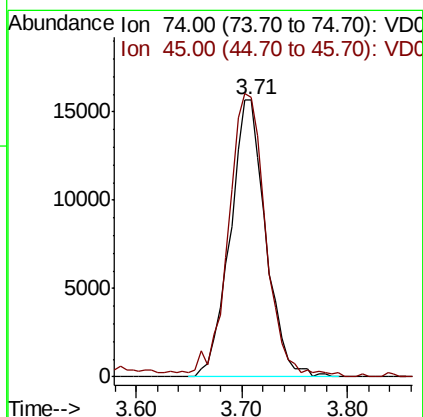
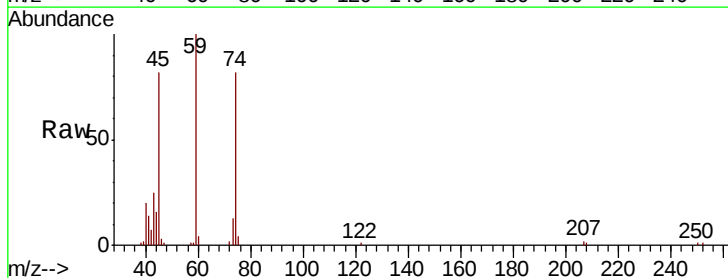
Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	52.2	78.4

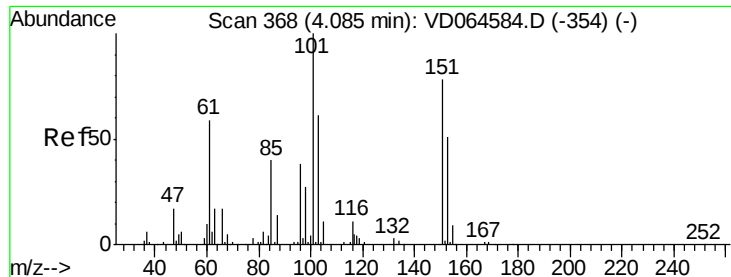


#8

Diethyl Ether
 Concen: 20.835 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.7	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.437 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

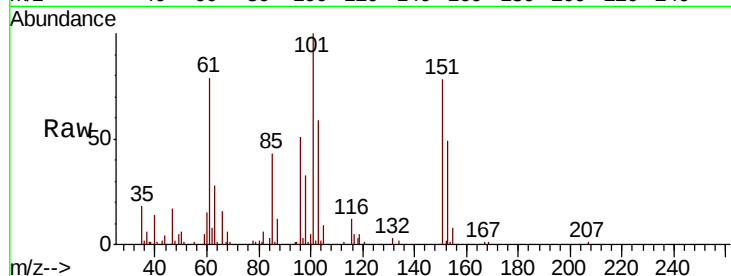
Tot Ion:101 Resp: 85496

Ion Ratio Lower Upper

101 100

85 43.9 35.2 52.8

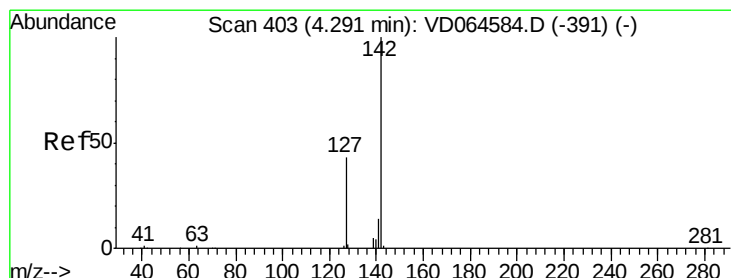
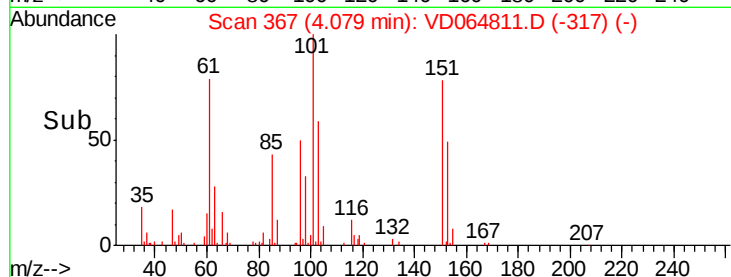
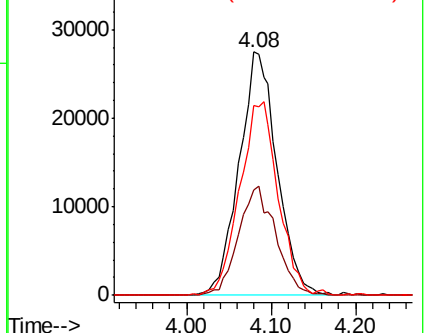
151 80.3 66.2 99.4



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: 21.024 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

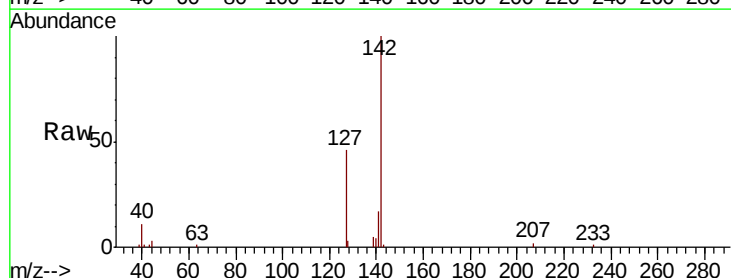
Tgt Ion:142 Resp: 82380

Ion Ratio Lower Upper

142 100

127 45.8 36.2 54.4

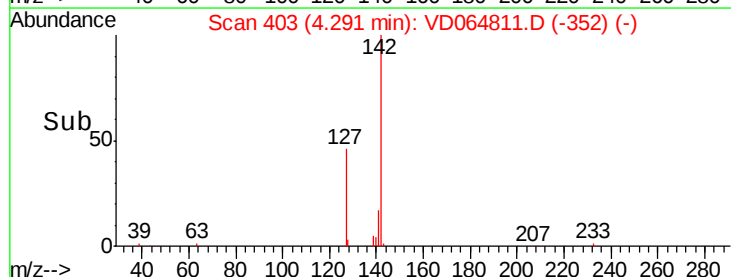
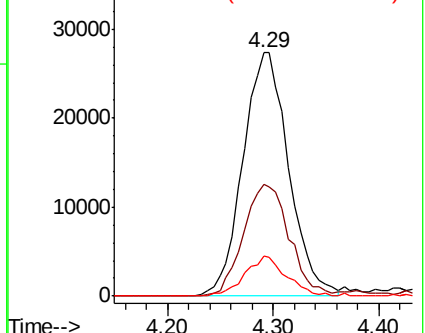
141 14.8 11.8 17.8



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

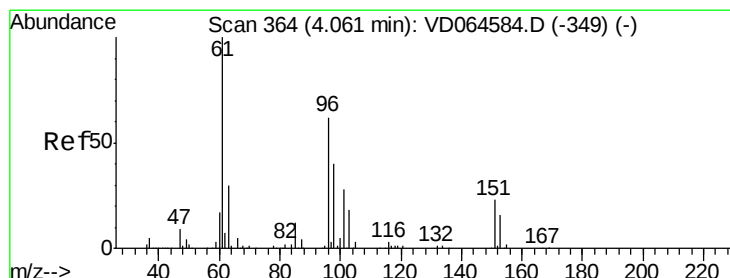
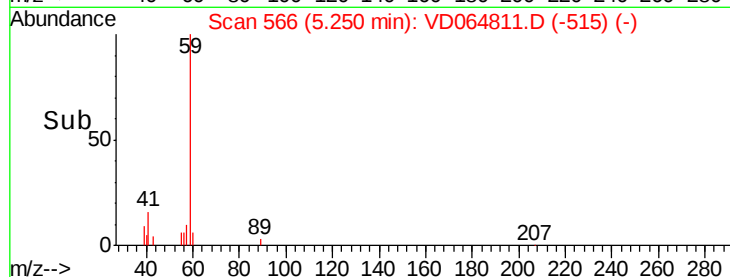
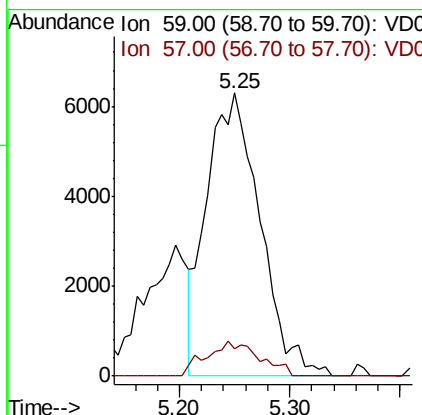
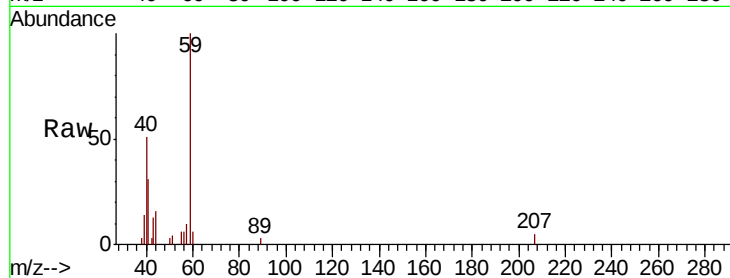




#11
Tert butyl alcohol
Concen: 105.678 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

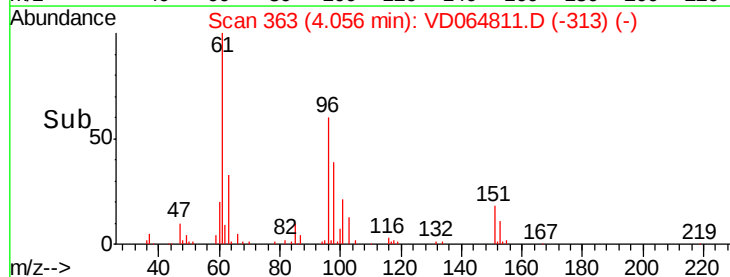
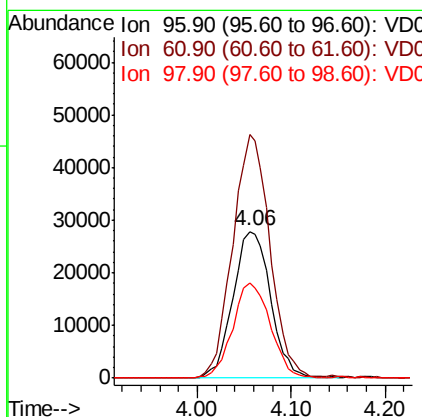
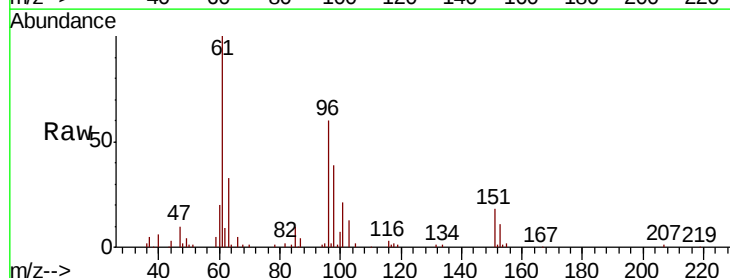
Instrument :
MSVOA_D
ClientSampleId :

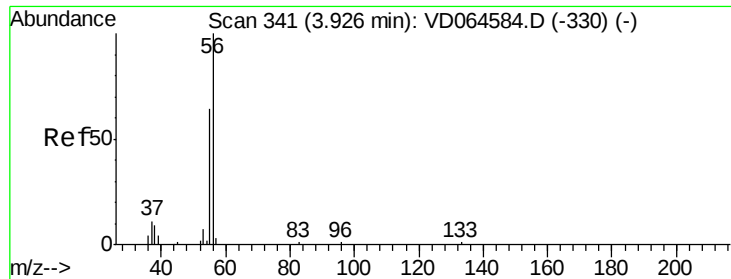
Tot Ion: 59 Resp: 21082
Ion Ratio Lower Upper
59 100
57 12.2 9.3 13.9



#12
1,1-Dichloroethene
Concen: 22.349 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion: 96 Resp: 77618
Ion Ratio Lower Upper
96 100
61 165.8 129.4 194.0
98 64.9 51.4 77.0





#13

Acrolein

Concen: 84.810 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

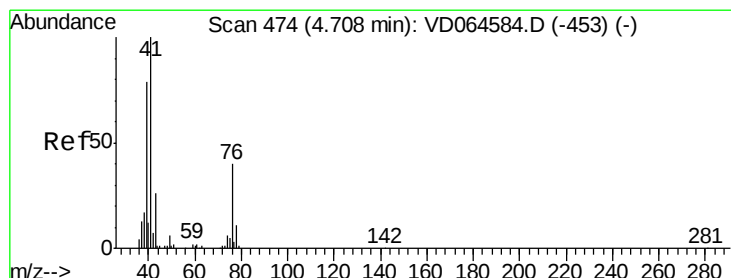
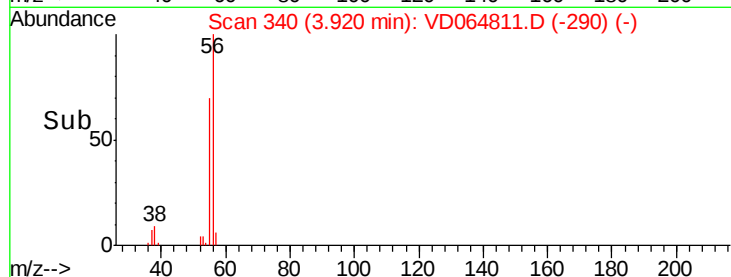
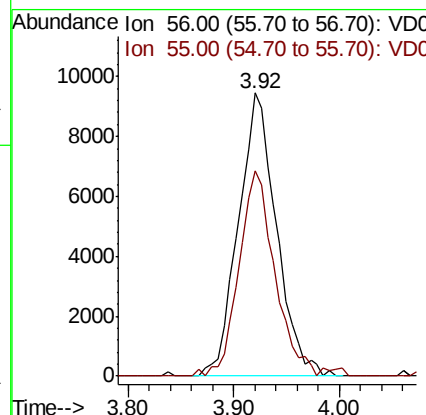
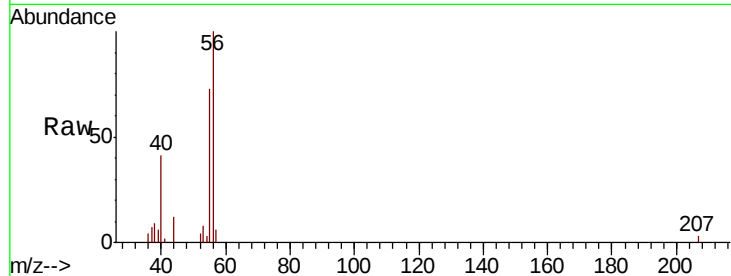
ClientSampled :

Tot Ion: 56 Resp: 23579

Ion Ratio Lower Upper

56 100

55 68.1 56.7 85.1



#14

Allyl chloride

Concen: 22.481 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

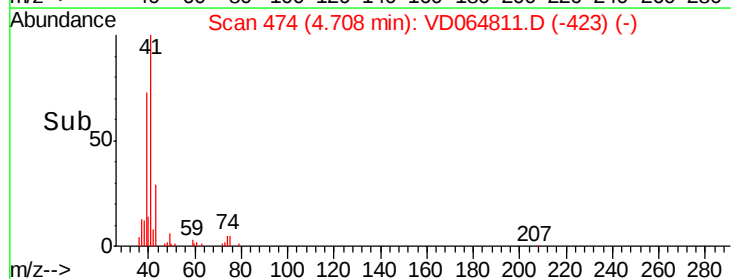
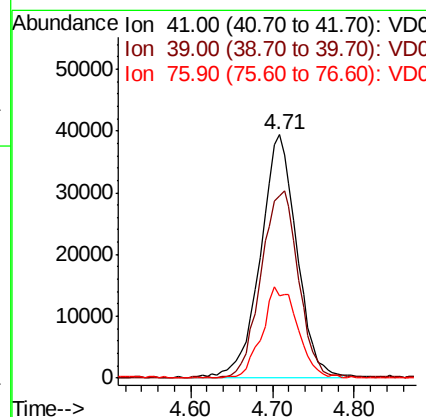
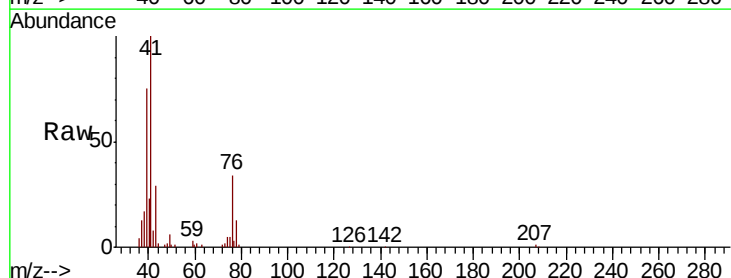
Tgt Ion: 41 Resp: 121731

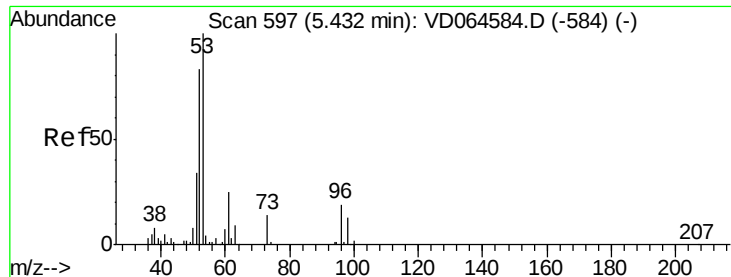
Ion Ratio Lower Upper

41 100

39 79.2 62.3 93.5

76 36.5 29.7 44.5





#15

Acrylonitrile

Concen: 114.090 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

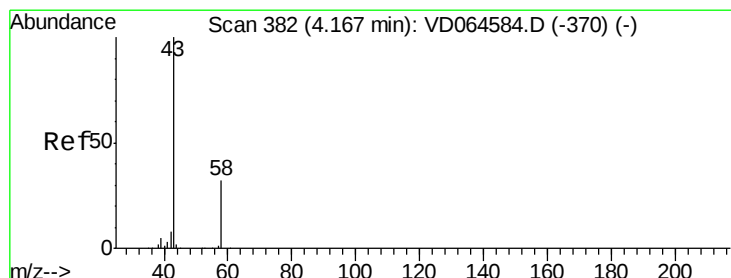
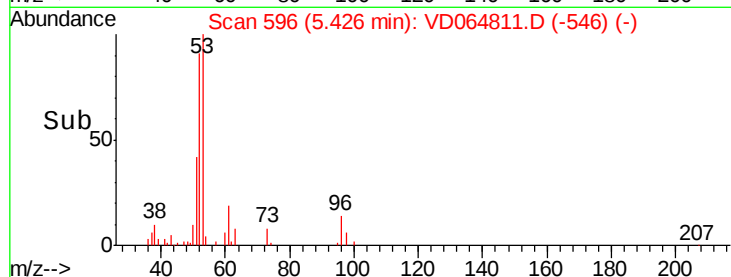
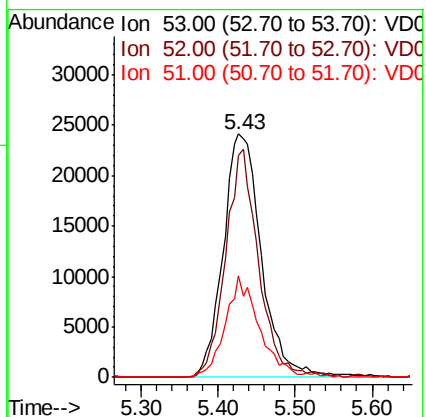
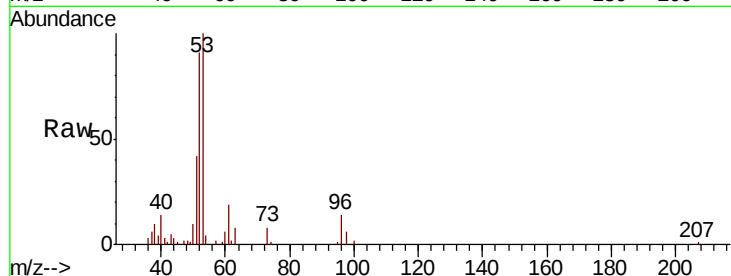
Tot Ion: 53 Resp: 83124

Ion Ratio Lower Upper

53 100

52 81.7 66.2 99.2

51 36.8 30.1 45.1



#16

Acetone

Concen: 110.649 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064811.D

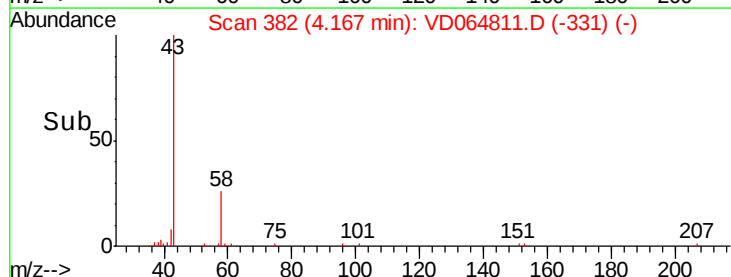
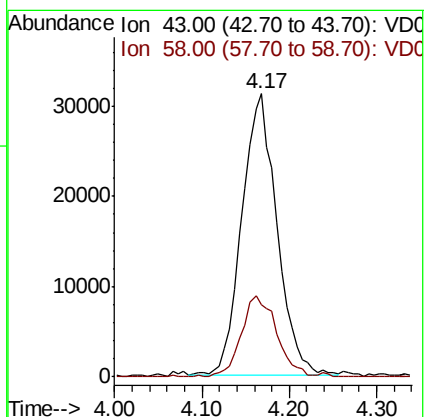
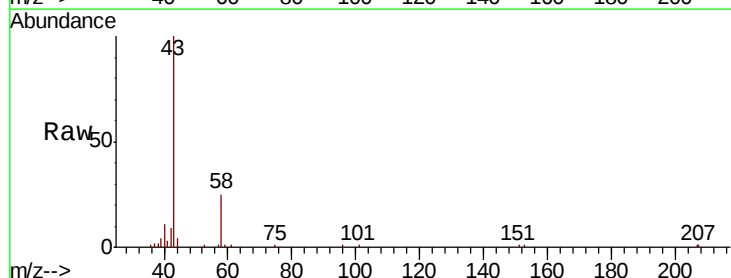
Acq: 09 Jan 2020 12:28

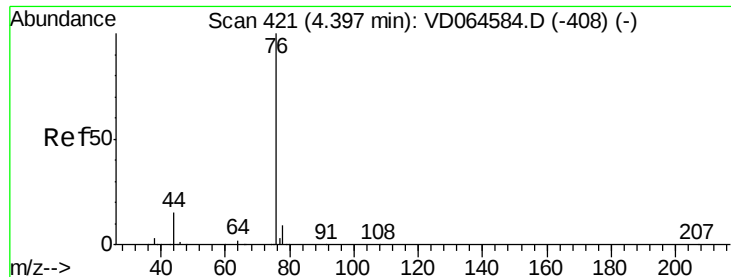
Tgt Ion: 43 Resp: 84787

Ion Ratio Lower Upper

43 100

58 25.5 25.8 38.6#

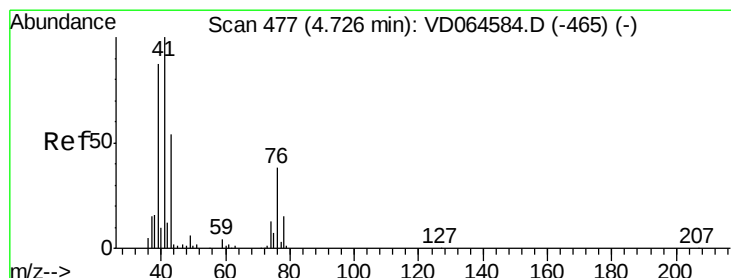
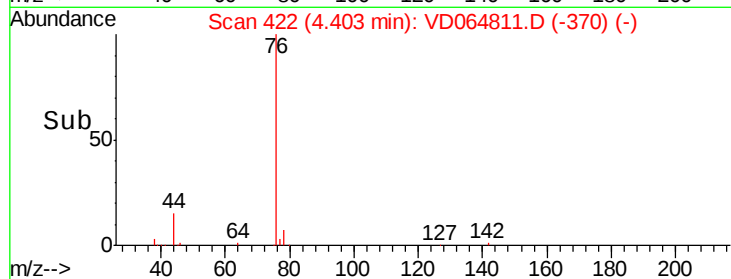
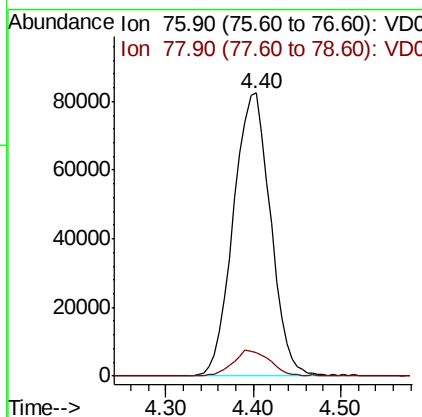
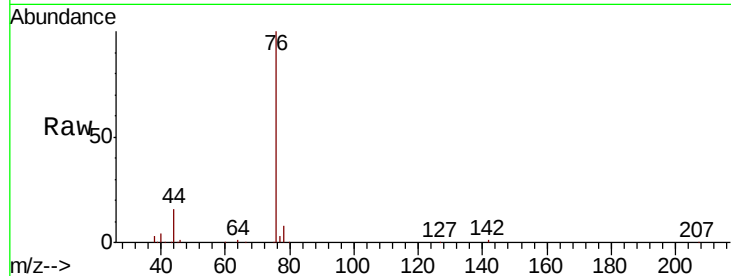




#17
Carbon Disulfide
Concen: 21.207 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

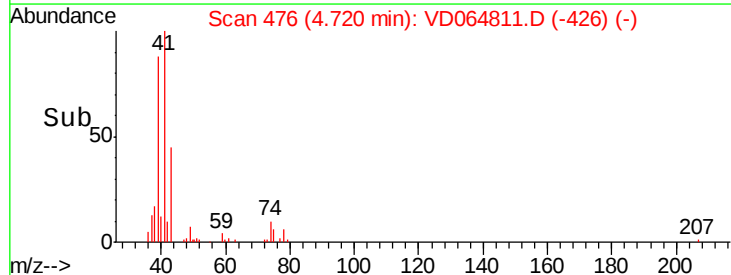
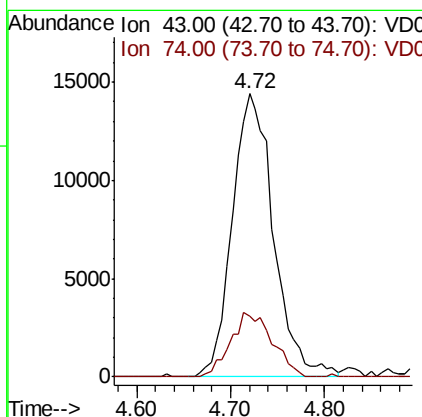
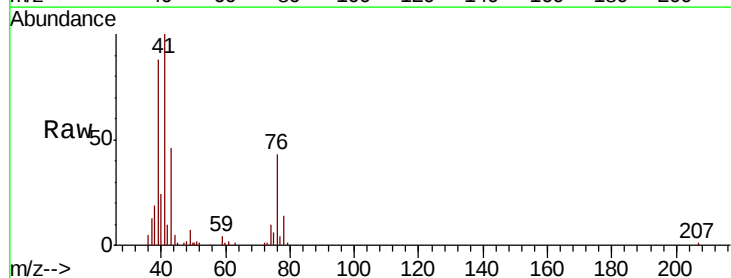
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 238155
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9



#18
Methyl Acetate
Concen: 22.375 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion: 43 Resp: 43848
Ion Ratio Lower Upper
43 100
74 22.9 19.2 28.8



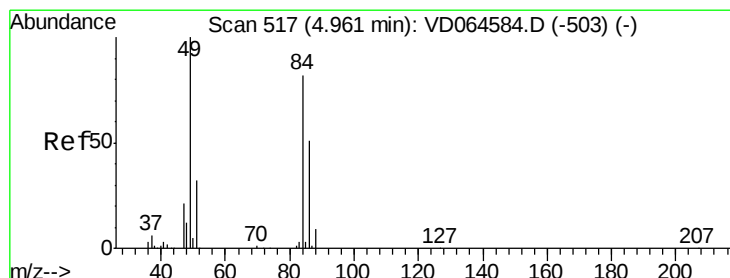
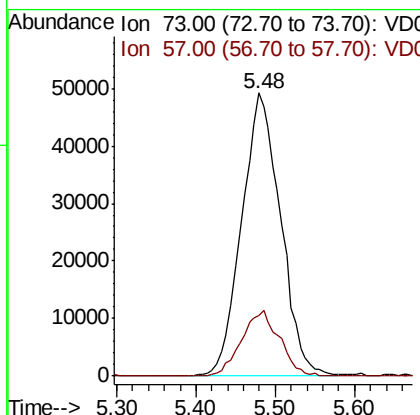
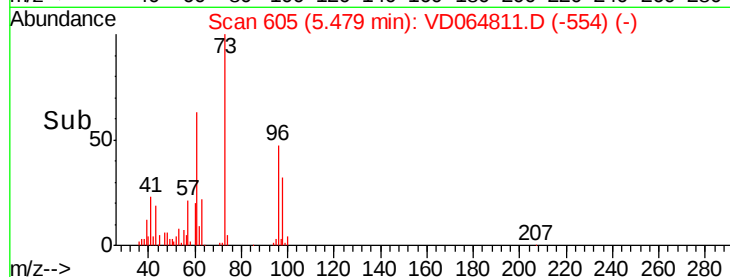
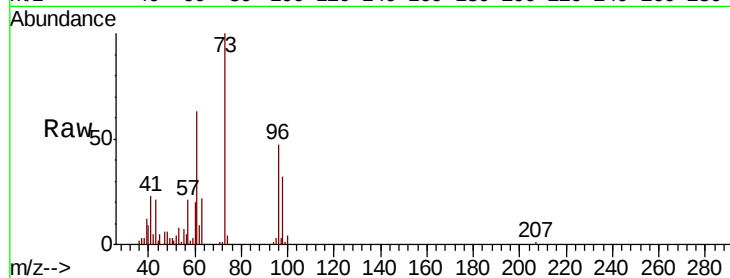


#19

Methyl tert-butyl Ether
 Concen: 21.722 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampled :

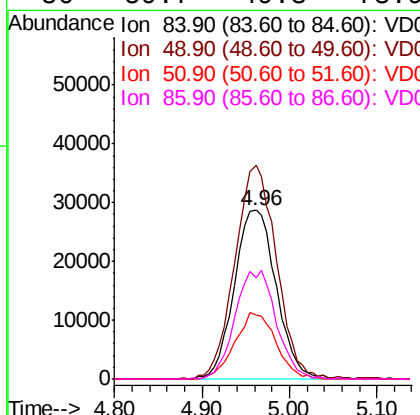
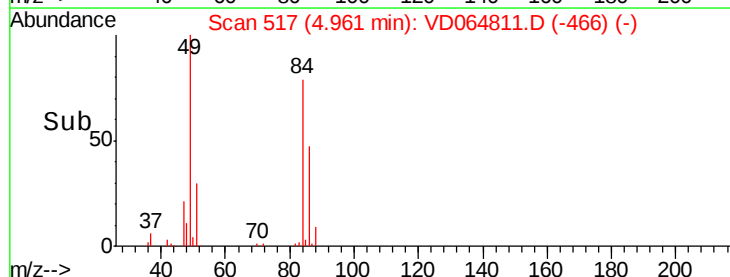
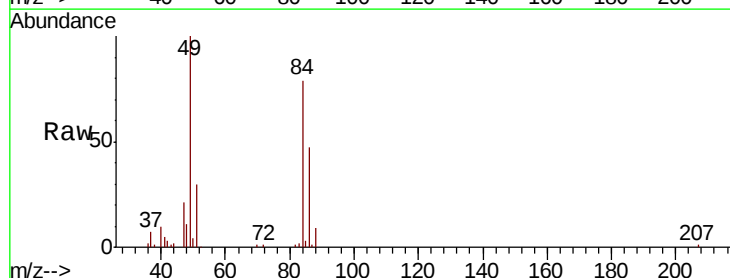
Tot Ion: 73 Resp: 167561
 Ion Ratio Lower Upper
 73 100
 57 21.3 18.6 27.8

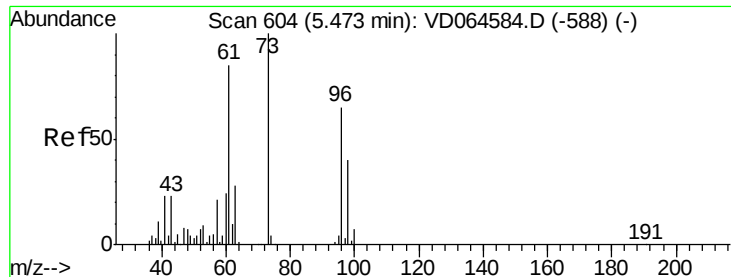


#20

Methylene Chloride
 Concen: 23.659 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Tgt Ion: 84 Resp: 93392
 Ion Ratio Lower Upper
 84 100
 49 126.5 97.2 145.8
 51 38.0 31.4 47.0
 86 59.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.961 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

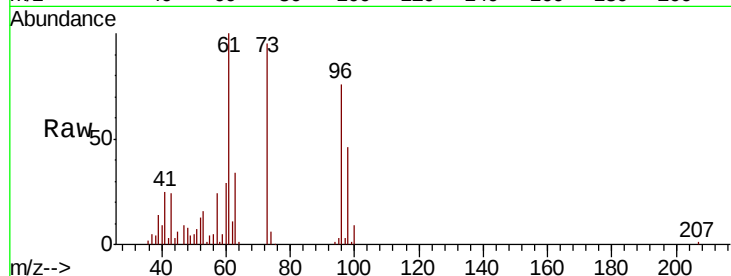
Tot Ion: 96 Resp: 86859

Ion Ratio Lower Upper

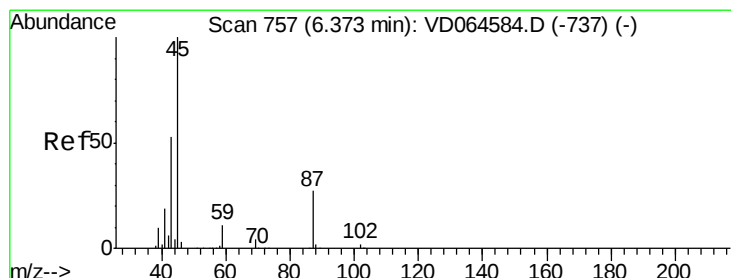
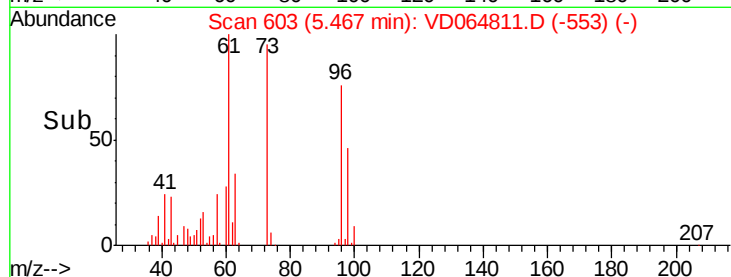
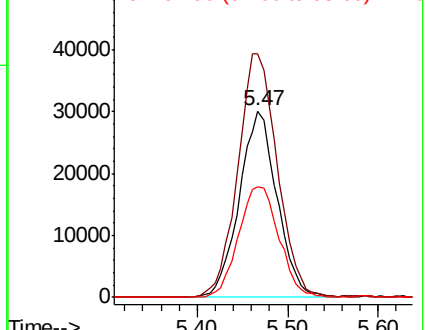
96 100

61 130.8 104.7 157.1

98 59.6 49.4 74.2



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



#22

Diisopropyl ether

Concen: 22.555 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Tgt Ion: 45 Resp: 243606

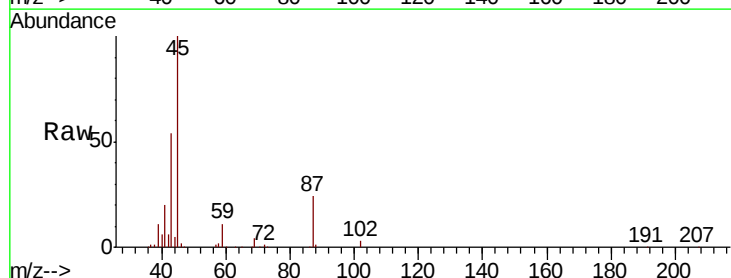
Ion Ratio Lower Upper

45 100

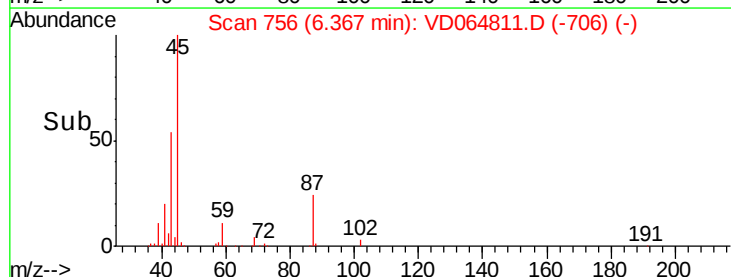
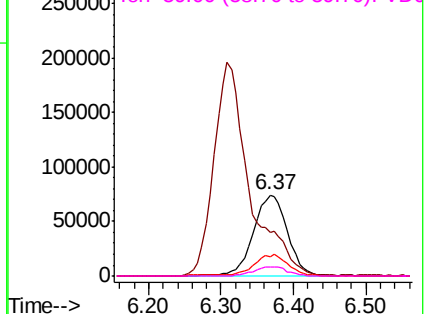
43 53.2 43.2 64.8

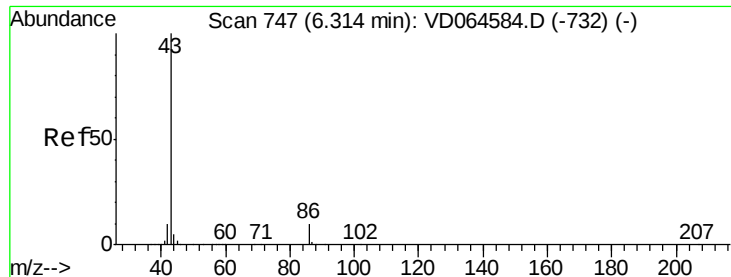
87 24.2 21.9 32.9

59 10.2 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 109.643 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

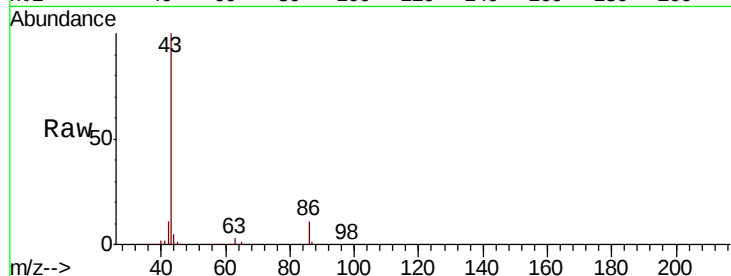
ClientSampleId :

Tot Ion: 43 Resp: 671741

Ion Ratio Lower Upper

43 100

86 10.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

150000

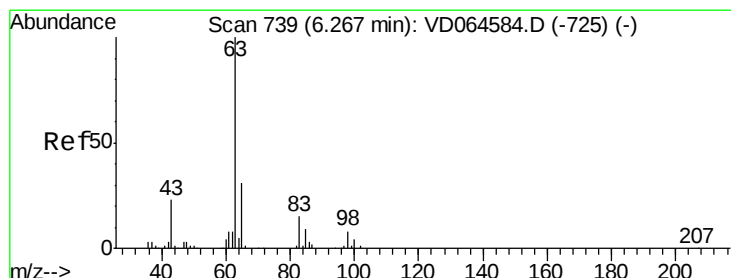
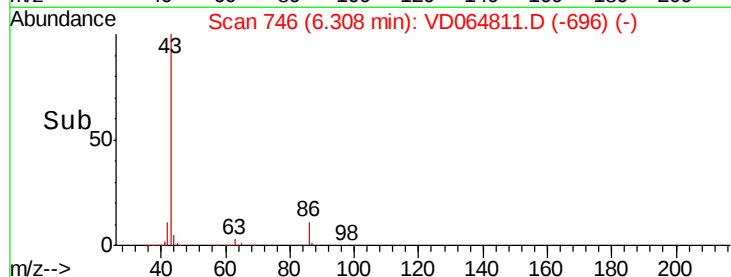
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 22.882 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

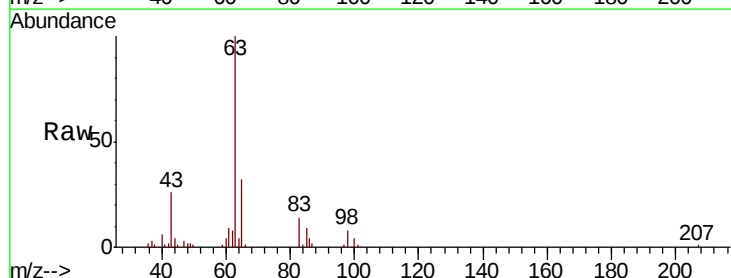
Tgt Ion: 63 Resp: 148363

Ion Ratio Lower Upper

63 100

98 8.1 4.1 12.3

100 4.4 2.2 6.6



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

60000

50000

40000

30000

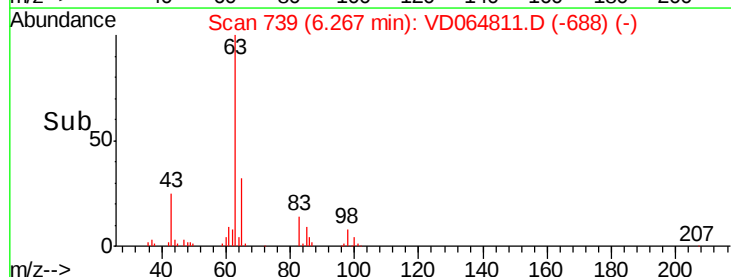
20000

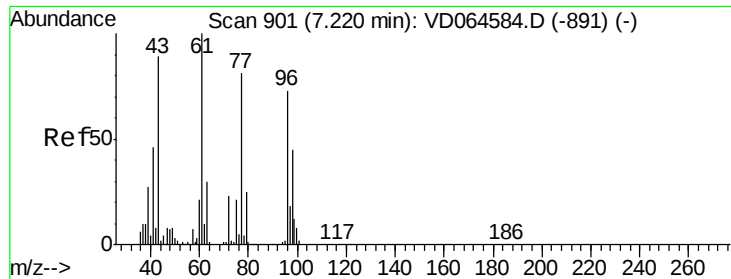
10000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 111.680 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

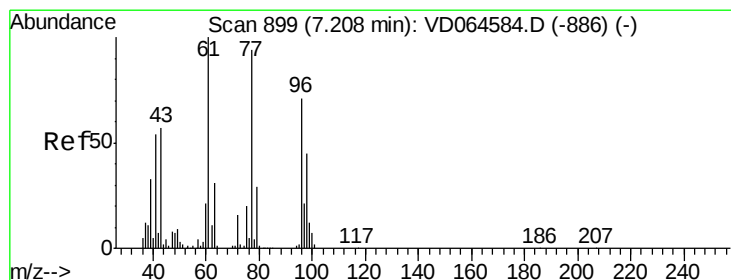
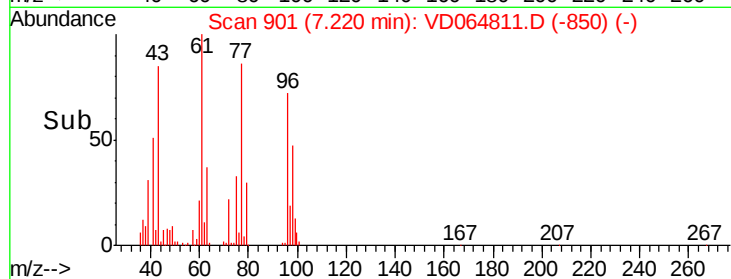
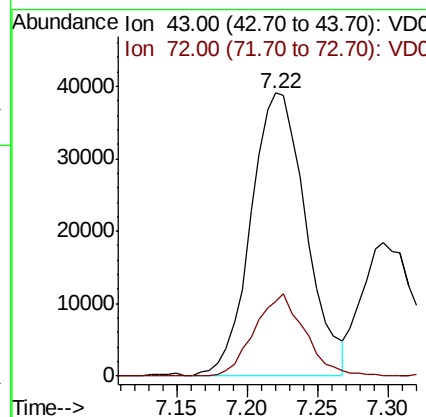
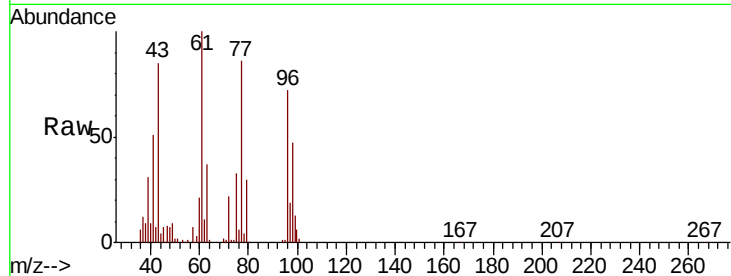
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 106857

Ion Ratio Lower Upper

43 100

72 26.2 20.7 31.1



#26

2,2-Dichloropropane

Concen: 23.235 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064811.D

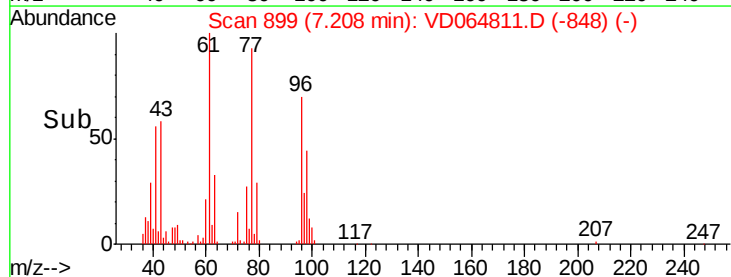
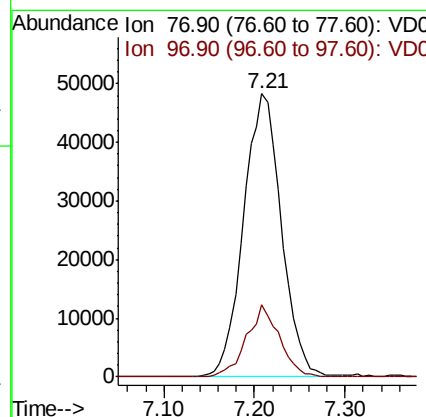
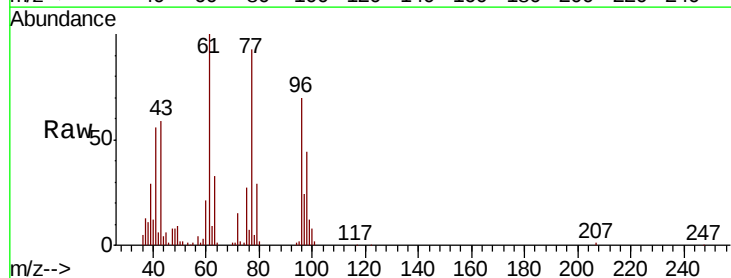
Acq: 09 Jan 2020 12:28

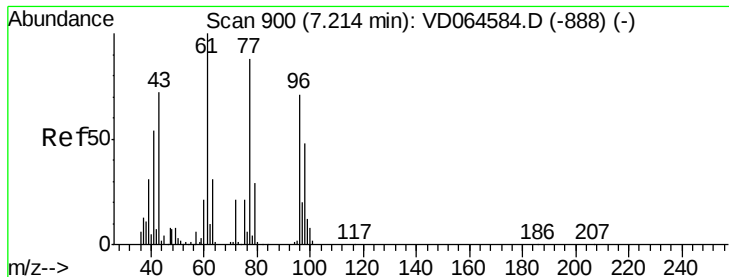
Tgt Ion: 77 Resp: 140067

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.6



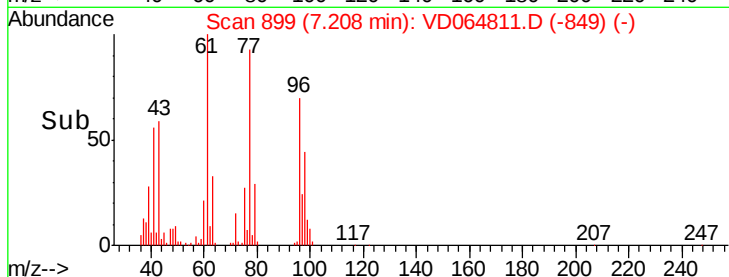
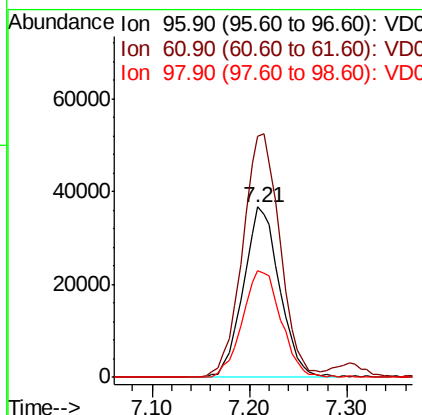
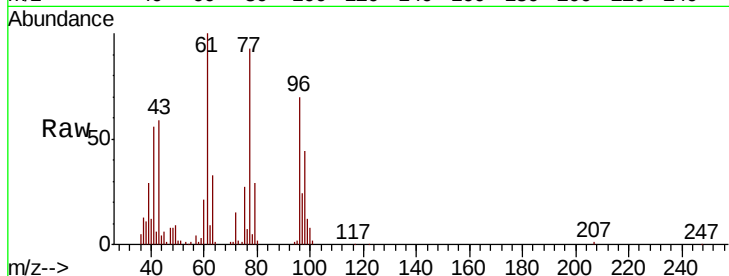


#27

cis-1,2-Dichloroethene
 Concen: 22.231 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :

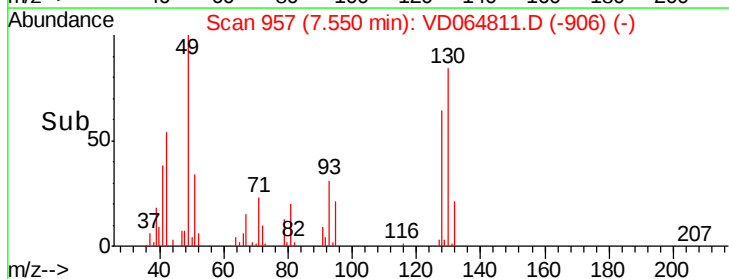
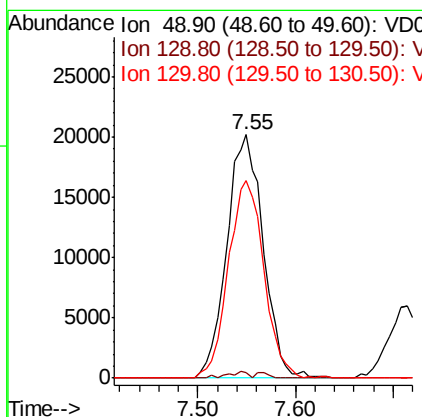
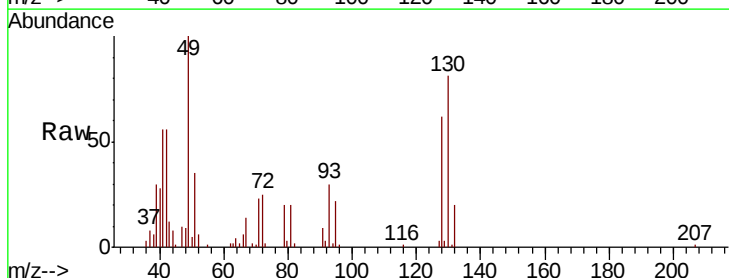
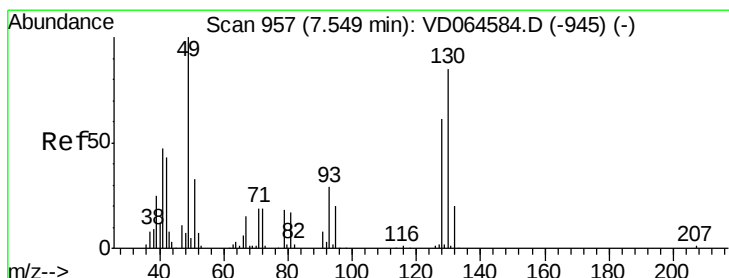
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	282.6
98	66.6	0.0	130.8

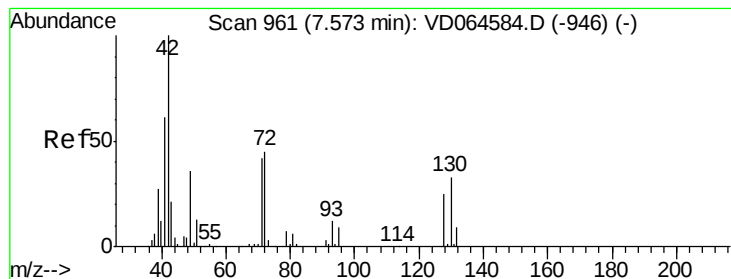


#28

Bromochloromethane
 Concen: 20.652 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.8
130	79.3	65.0	97.6





#29

Tetrahydrofuran

Concen: 104.578 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

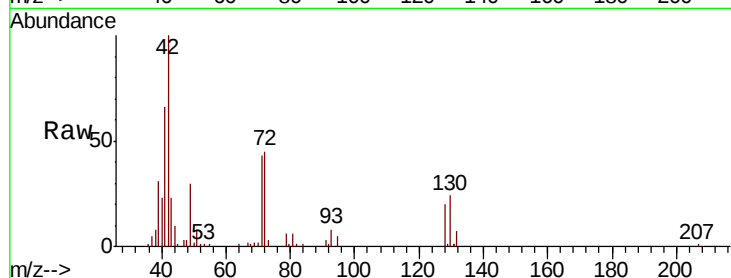
Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

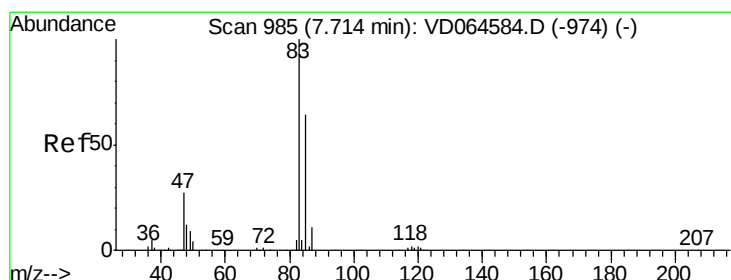
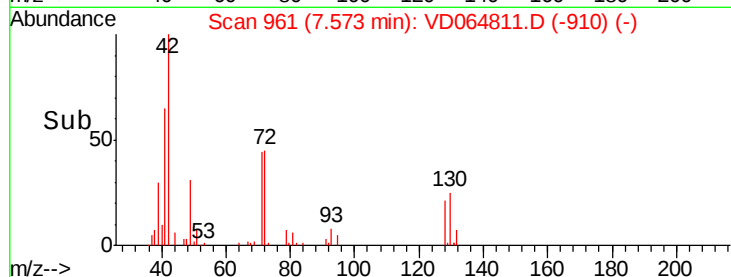
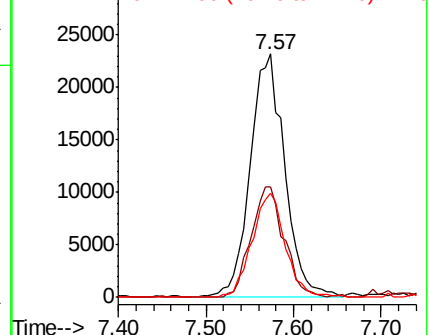
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 62226

Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	41.4	32.9	49.3



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



#30

Chloroform

Concen: 22.801 ug/l

RT: 7.71 min Scan# 985

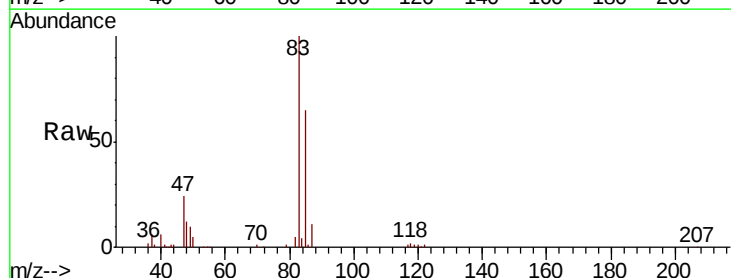
Delta R.T. 0.00 min

Lab File: VD064811.D

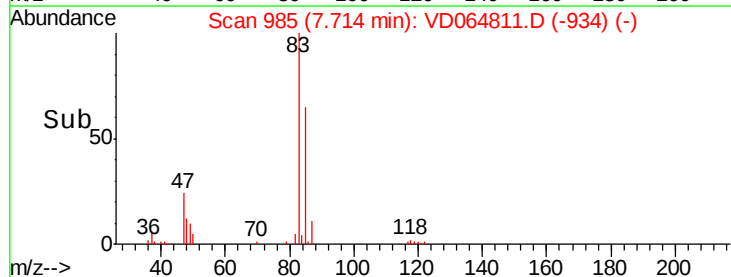
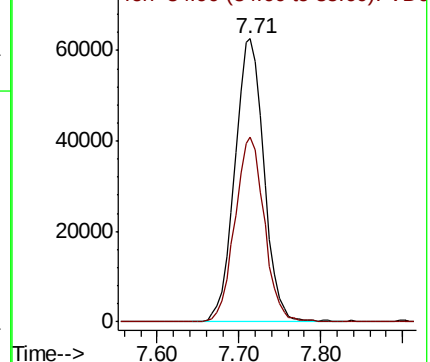
Acq: 09 Jan 2020 12:28

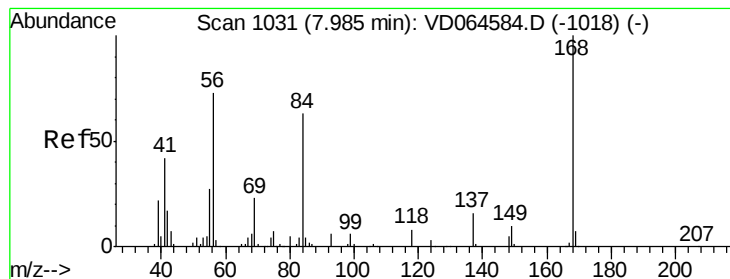
Tgt Ion: 83 Resp: 155104

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.1	76.7



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





#31

Cyclohexane

Concen: 21.737 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

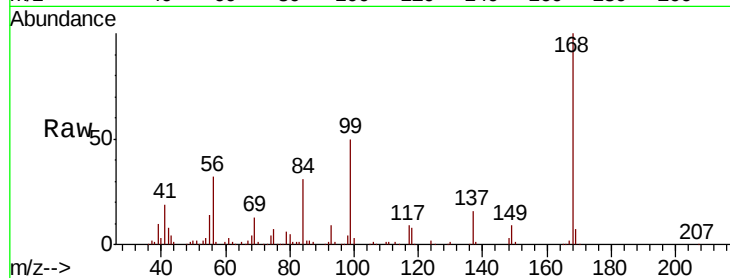
Tot Ion: 56 Resp: 141080

Ion Ratio Lower Upper

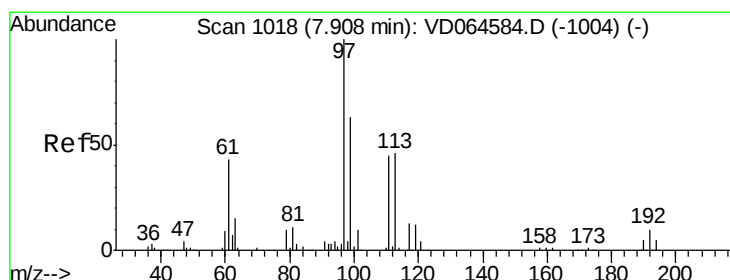
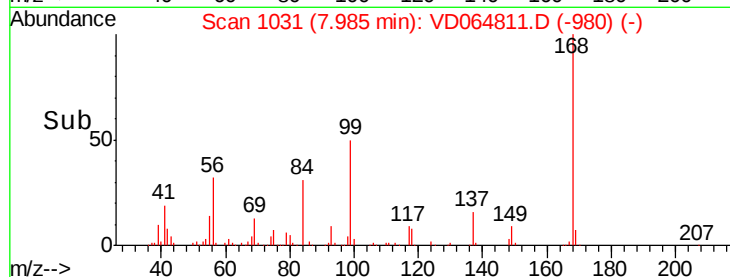
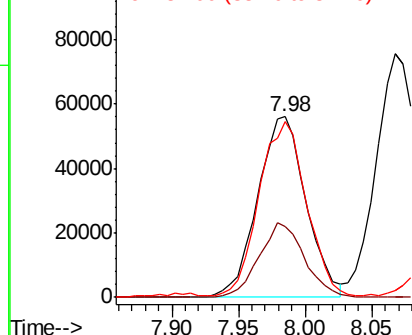
56 100

69 39.2 24.7 37.1#

84 95.2 69.4 104.2



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: 22.992 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

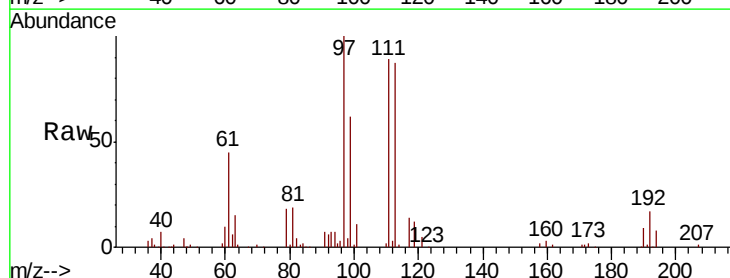
Tgt Ion: 97 Resp: 146909

Ion Ratio Lower Upper

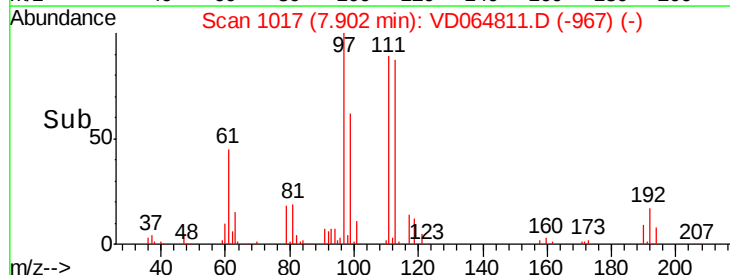
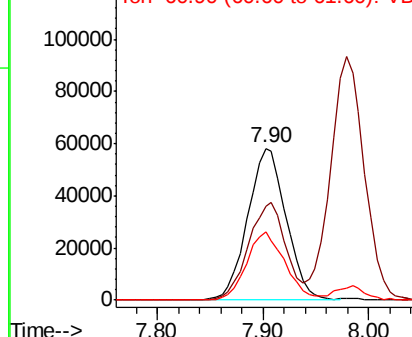
97 100

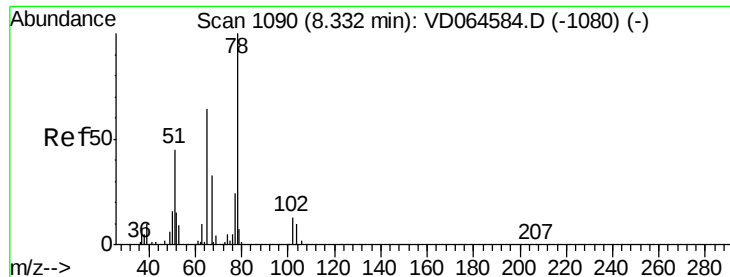
99 62.8 51.0 76.6

61 44.6 35.4 53.0



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: 55.362 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

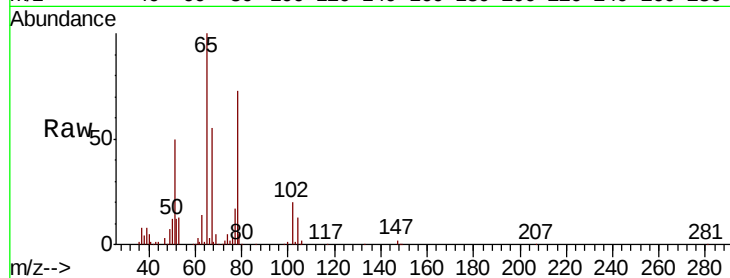
ClientSampleId :

Tot Ion: 65 Resp: 192711

Ion Ratio Lower Upper

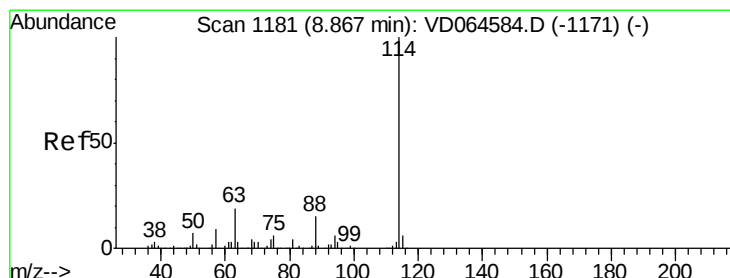
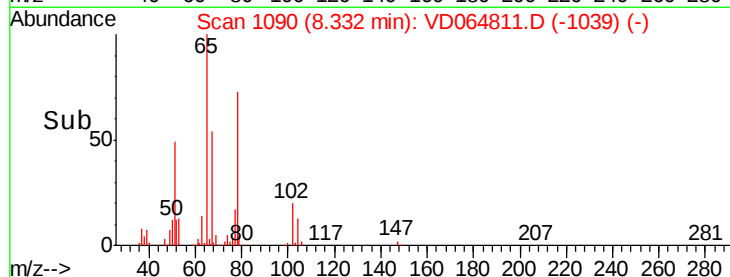
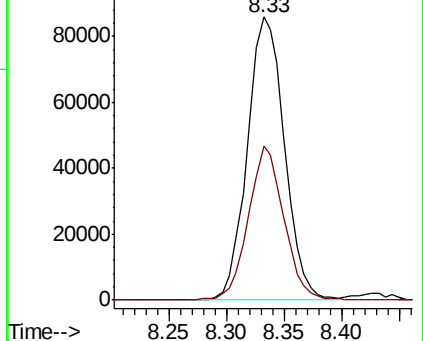
65 100

67 52.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

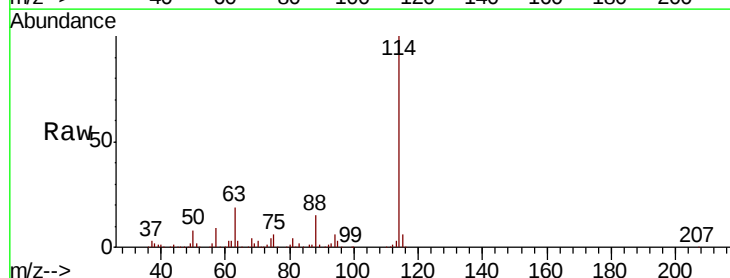
Tgt Ion: 114 Resp: 578531

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

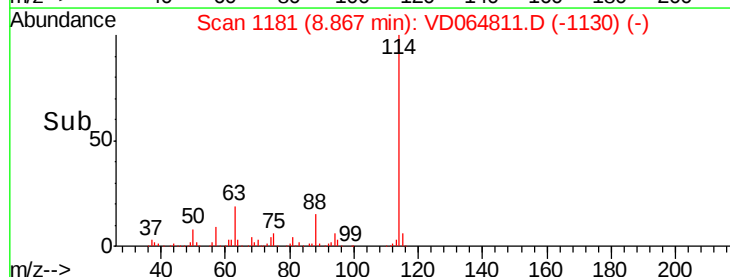
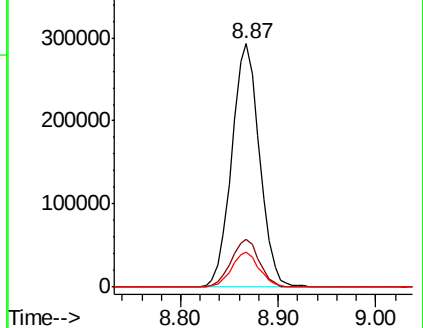
88 14.5 0.0 29.2

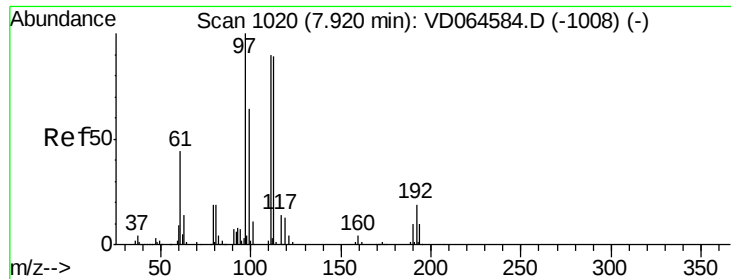


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

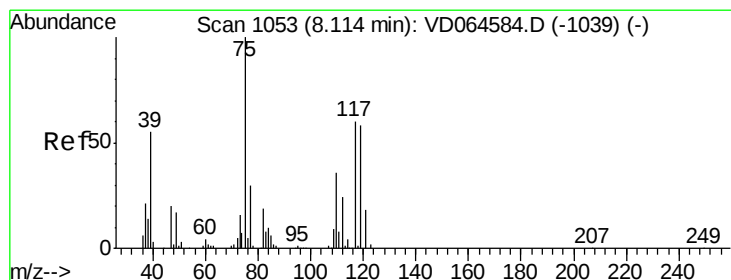
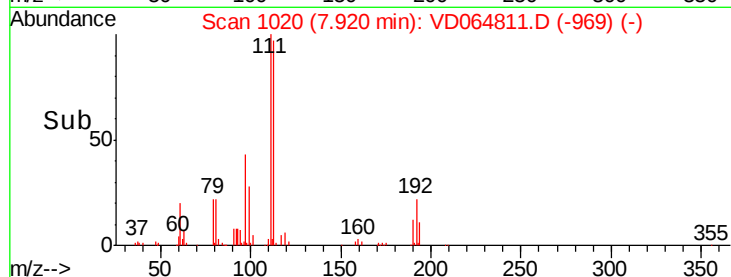
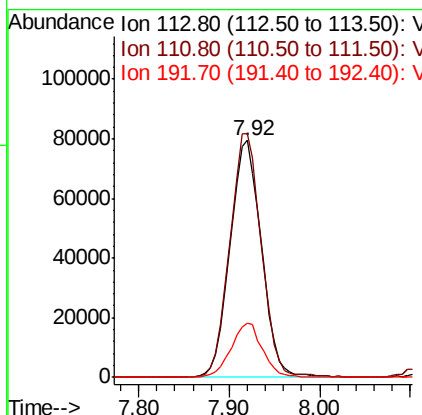
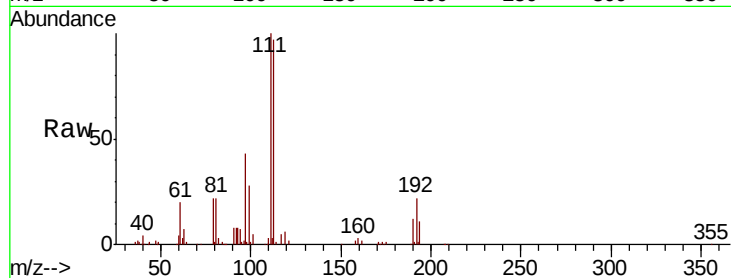




#35
 Dibromofluoromethane
 Concen: 53.996 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

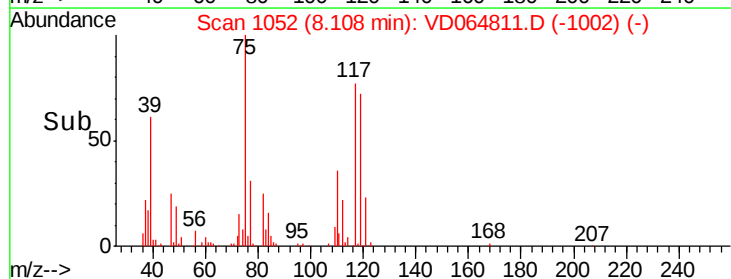
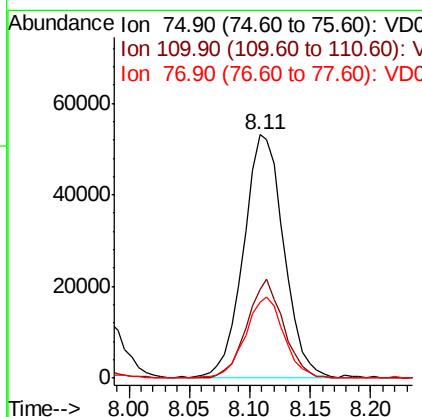
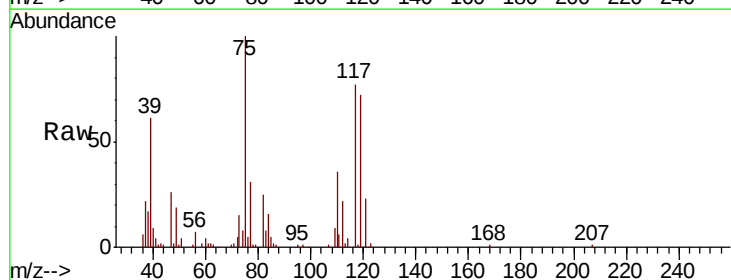
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.6	121.0
192	22.9	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 22.291 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.1
77	32.0	24.2	36.4

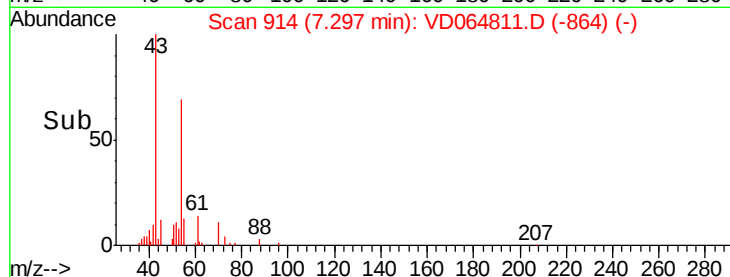
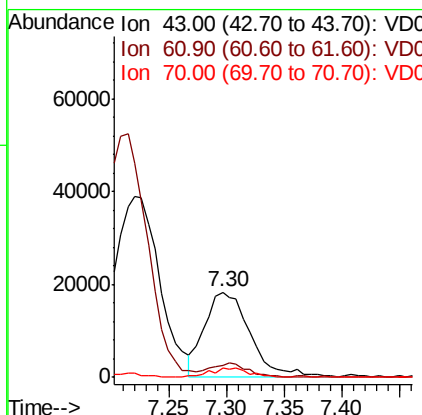
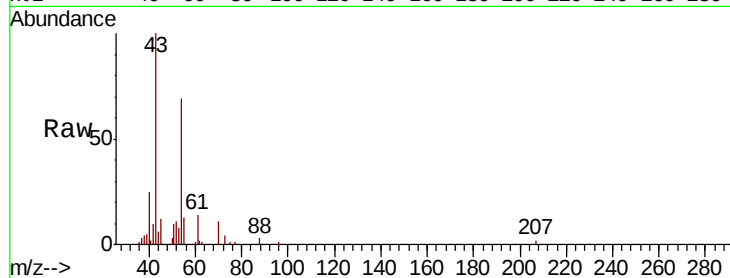




#37
Ethyl Acetate
Concen: 22.657 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

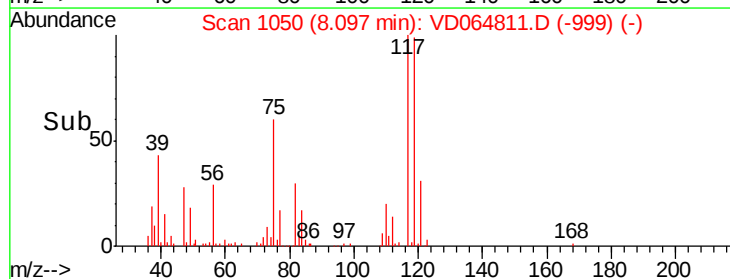
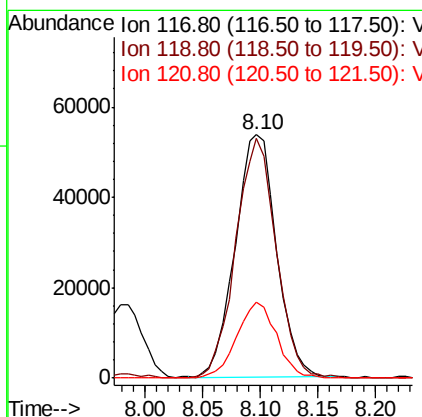
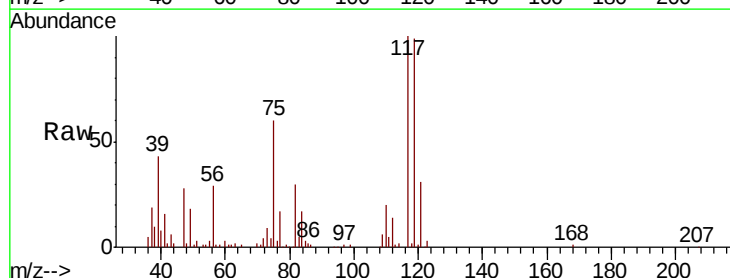
Instrument :
MSVOA_D
ClientSampleId :

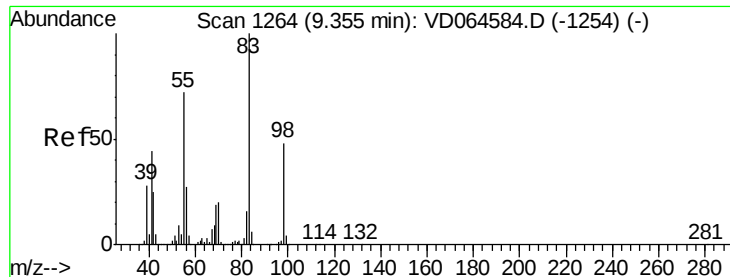
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.3	15.5
70	9.6	7.6	11.4



#38
Carbon Tetrachloride
Concen: 22.453 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	77.3	115.9
121	31.3	25.0	37.6

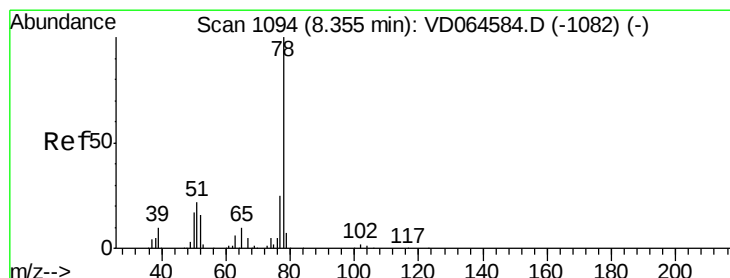
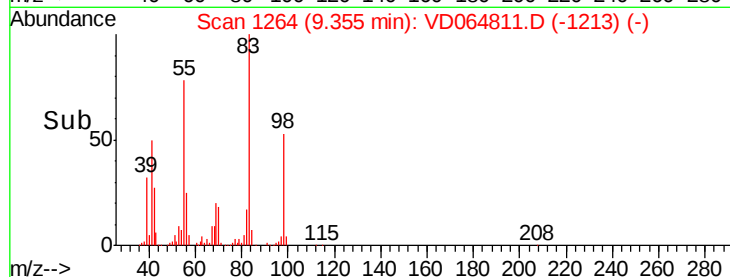
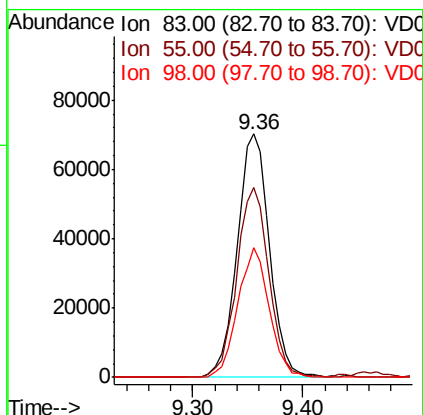
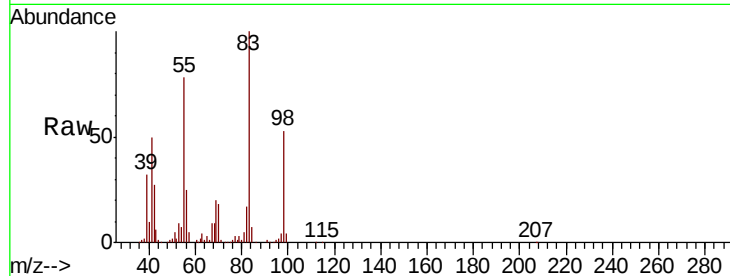




#39
Methvlcvclohexane
Concen: 21.381 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

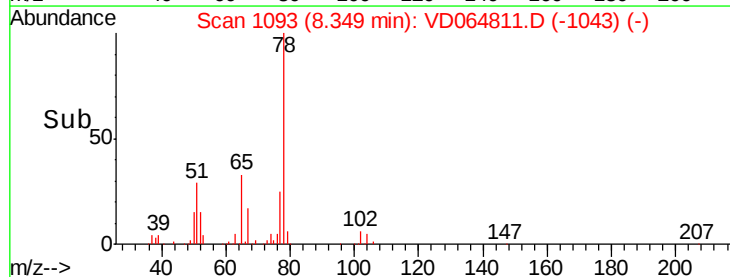
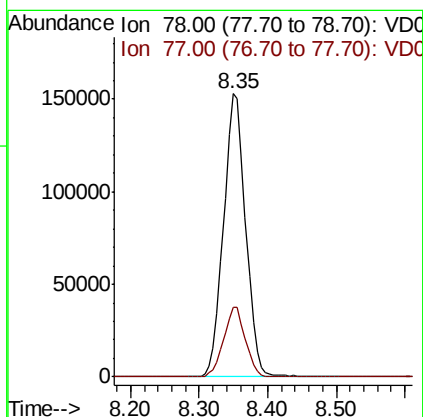
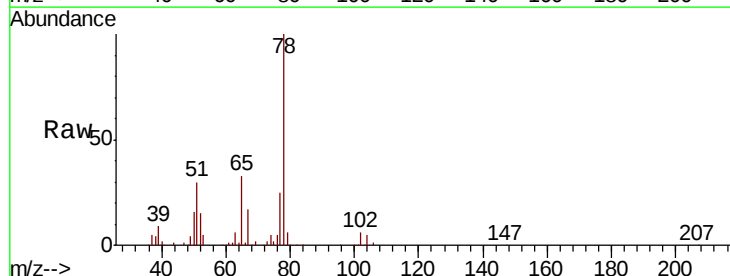
Instrument :
MSVOA_D
ClientSampled :

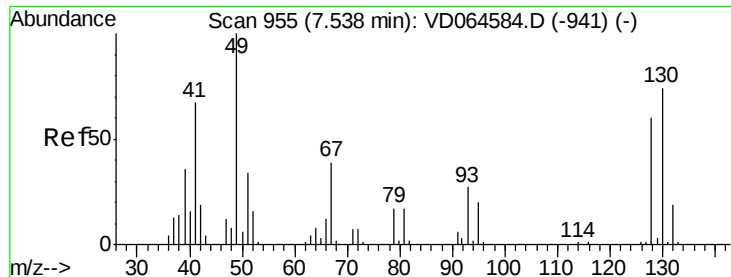
Tot Ion: 83 Resp: 144202
Ion Ratio Lower Upper
83 100
55 78.1 57.8 86.6
98 53.4 38.7 58.1



#40
Benzene
Concen: 22.543 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion: 78 Resp: 342677
Ion Ratio Lower Upper
78 100
77 24.7 19.9 29.9

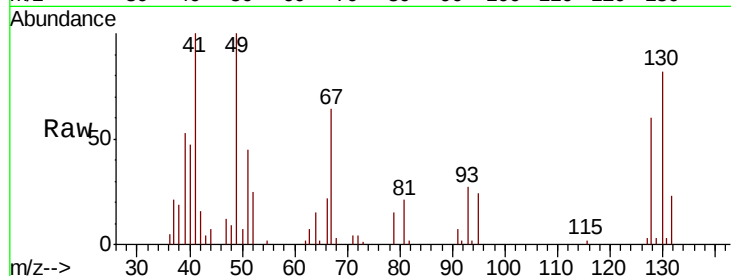




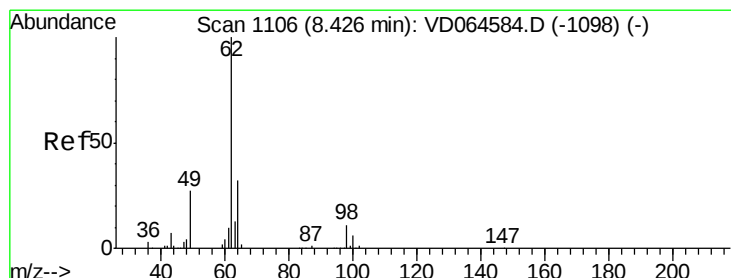
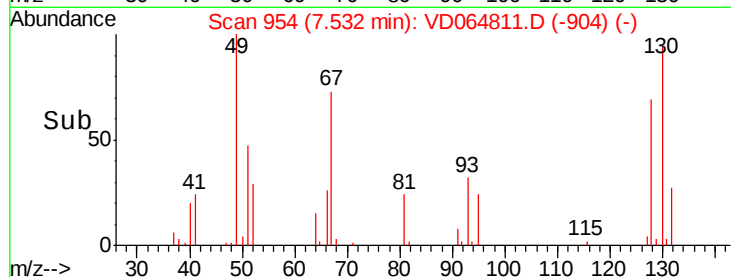
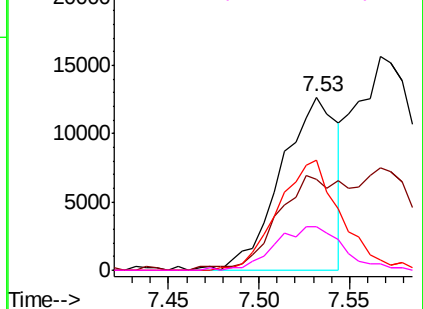
#41
Methacrylonitrile
Concen: 21.544 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 41 Resp: 27344
Ion Ratio Lower Upper
41 100
39 65.5 46.7 70.1
67 71.4 52.5 78.7
52 30.7 24.1 36.1

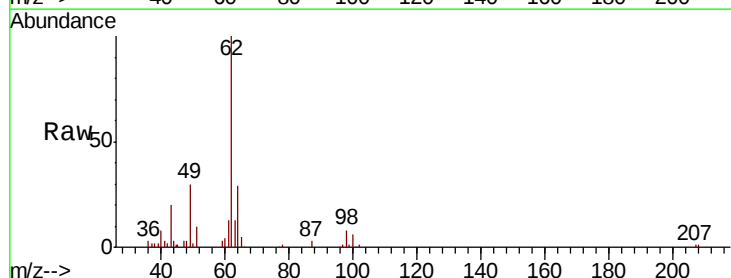


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

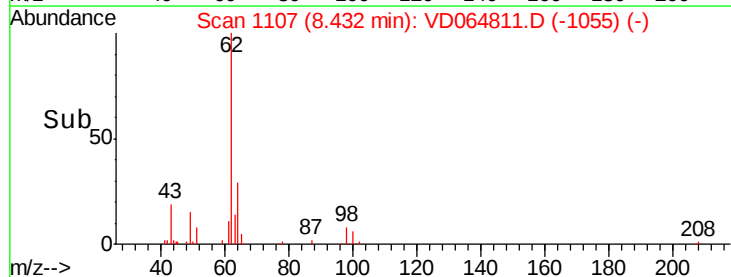
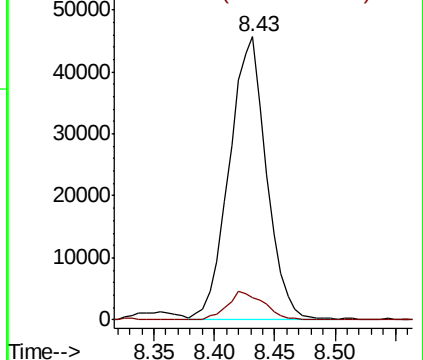


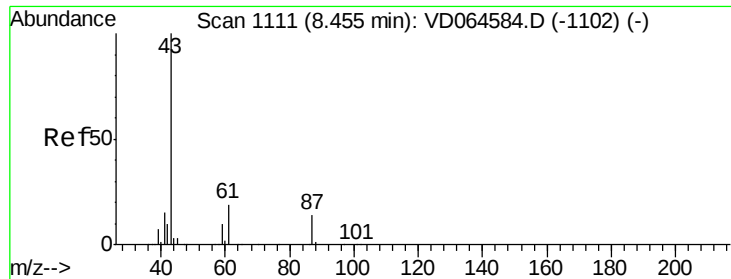
#42
1,2-Dichloroethane
Concen: 22.358 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion: 62 Resp: 98210
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 21.294 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

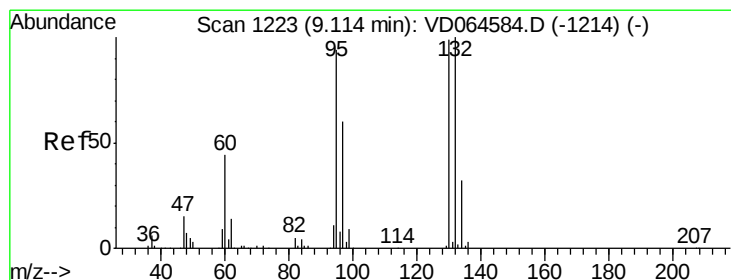
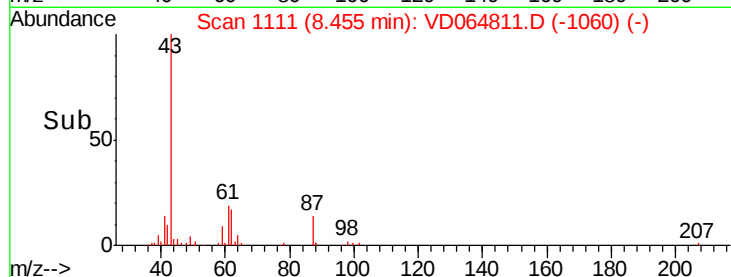
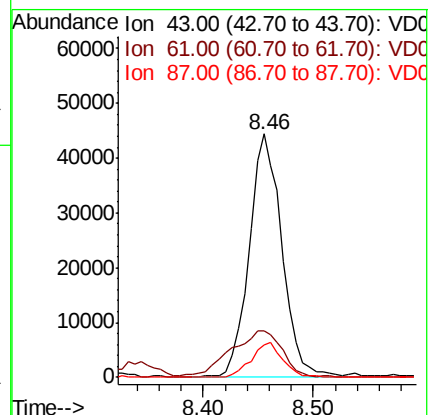
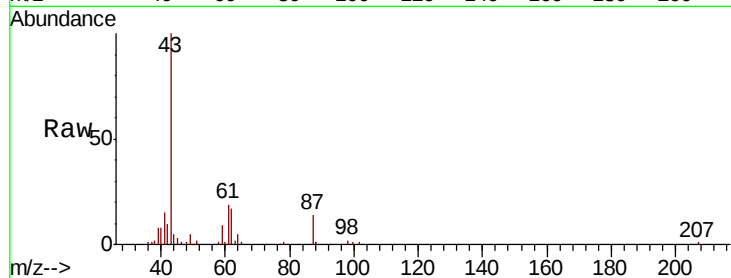
Tot Ion: 43 Resp: 92717

Ion Ratio Lower Upper

43 100

61 29.6 23.7 35.5

87 13.6 10.5 15.7



#44

Trichloroethene

Concen: 22.548 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064811.D

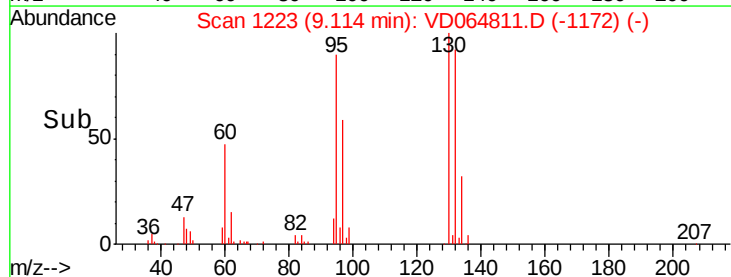
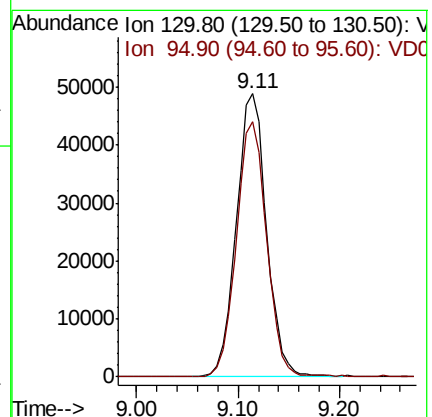
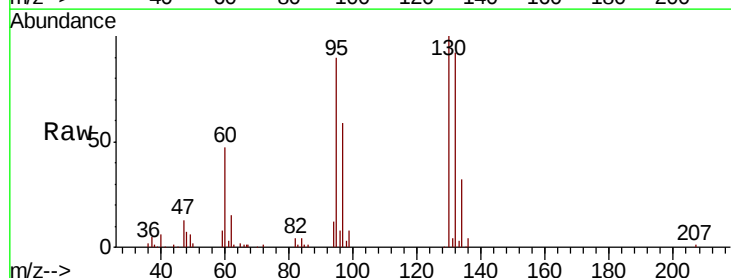
Acq: 09 Jan 2020 12:28

Tgt Ion:130 Resp: 100691

Ion Ratio Lower Upper

130 100

95 90.4 0.0 190.2

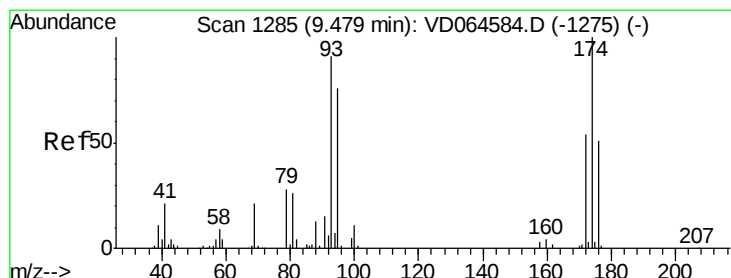
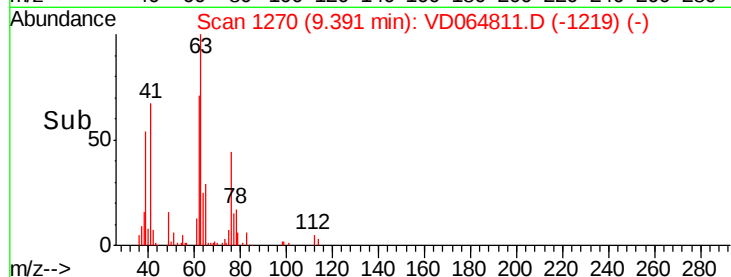
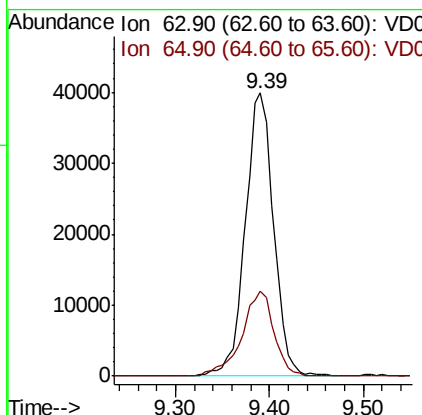
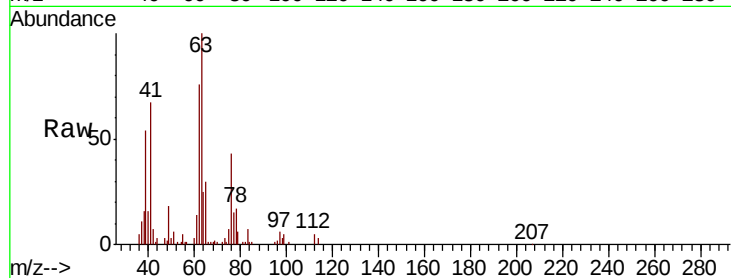




#45
 1,2-Dichloropropane
 Concen: 22.891 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

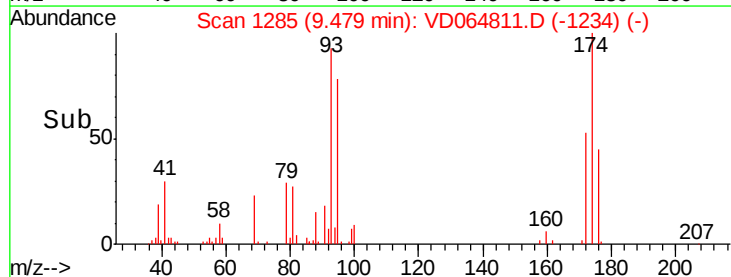
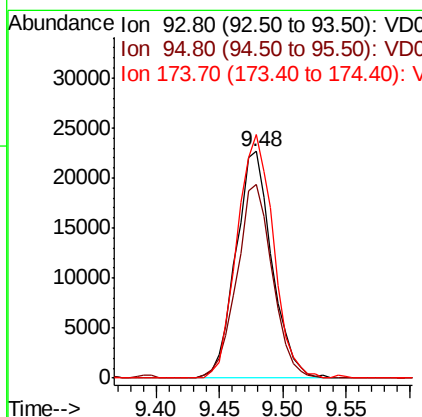
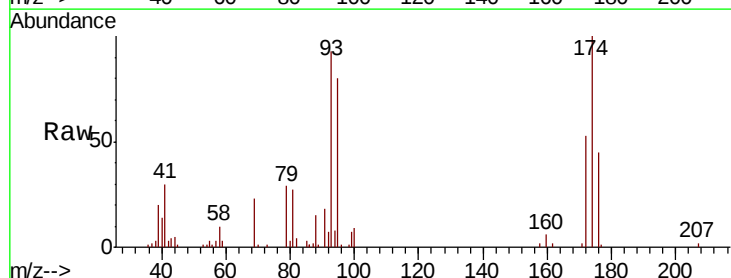
Instrument :
 MSVOA_D
 ClientSampleId :

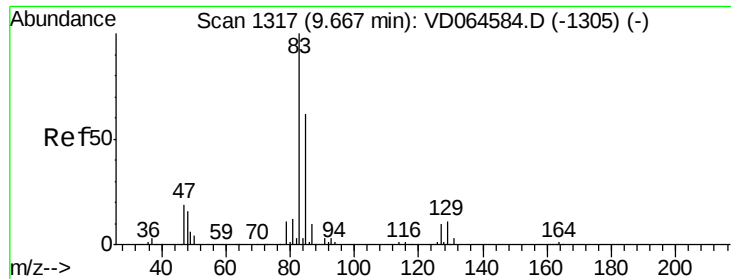
Tot Ion: 63 Resp: 83080
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.2 37.8



#46
 Dibromomethane
 Concen: 22.111 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Tgt Ion: 93 Resp: 44742
 Ion Ratio Lower Upper
 93 100
 95 84.4 64.6 97.0
 174 108.5 88.1 132.1

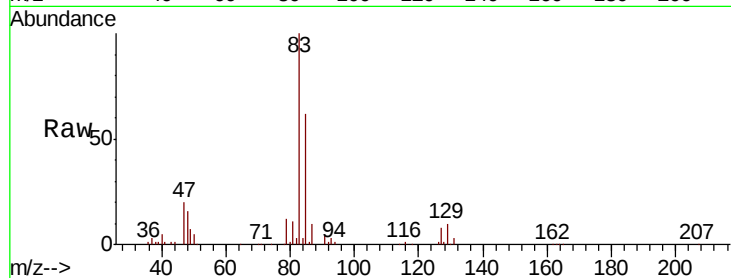




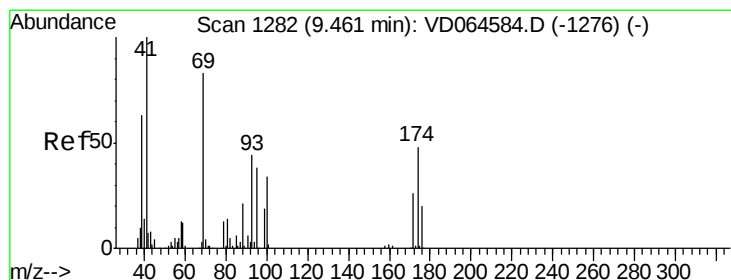
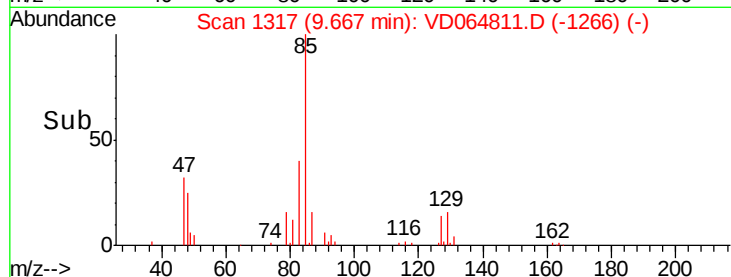
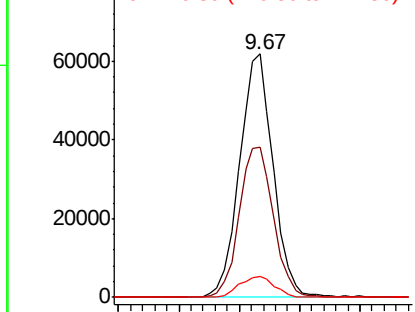
#47
Bromodichloromethane
Concen: 22.120 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 119107
Ion Ratio Lower Upper
83 100
85 61.9 49.5 74.3
127 8.5 7.8 11.6

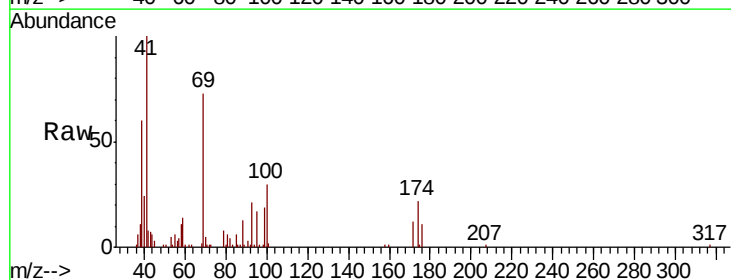


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

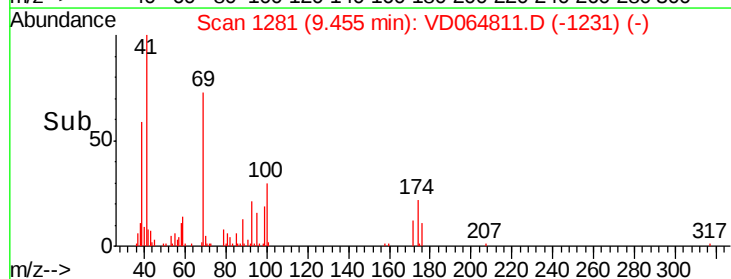
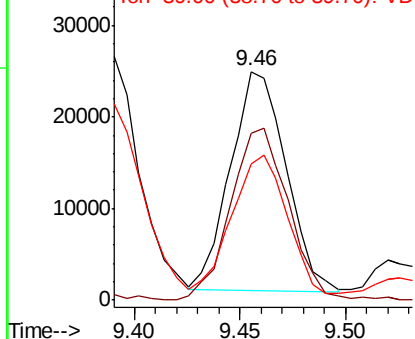


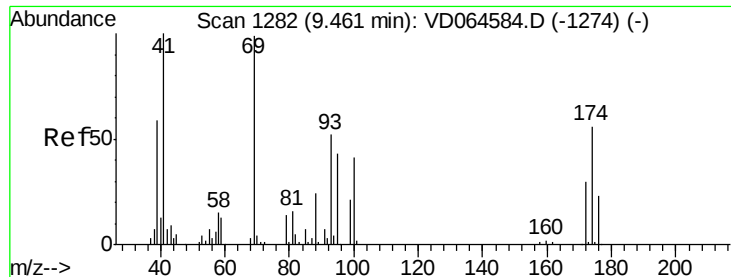
#48
Methyl methacrylate
Concen: 21.384 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion: 41 Resp: 43840
Ion Ratio Lower Upper
41 100
69 81.5 63.0 94.6
39 68.8 47.4 71.2



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

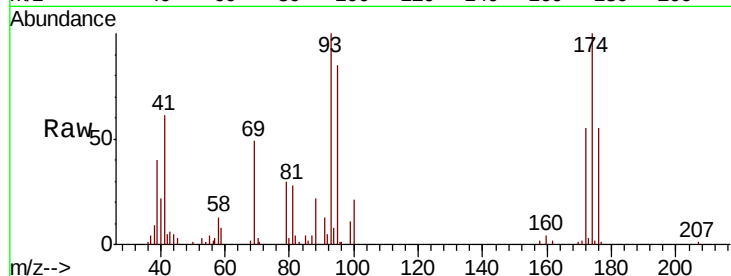




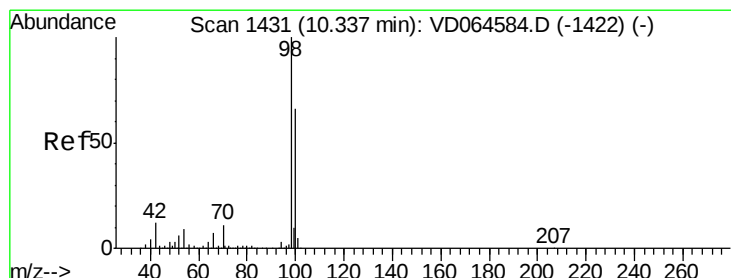
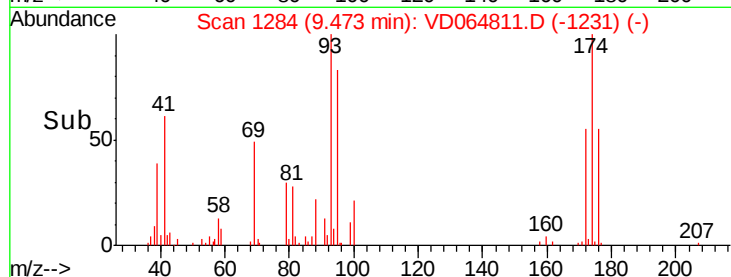
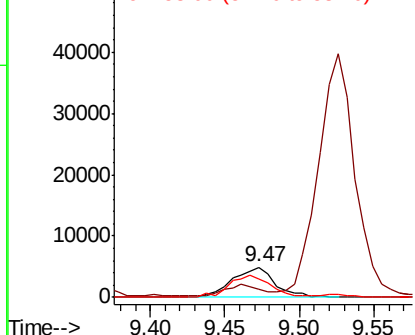
#49
1,4-Dioxane
Concen: 414.354 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 9668
Ion Ratio Lower Upper
88 100
43 33.5 27.7 41.5
58 72.5 53.8 80.6

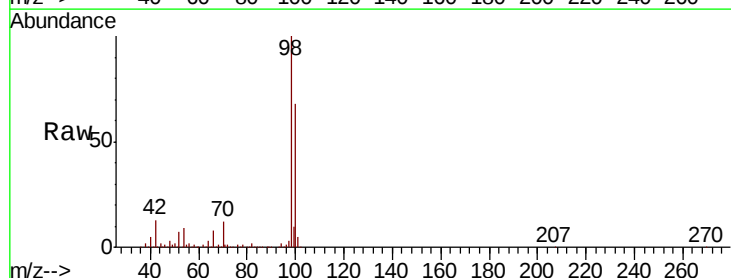


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

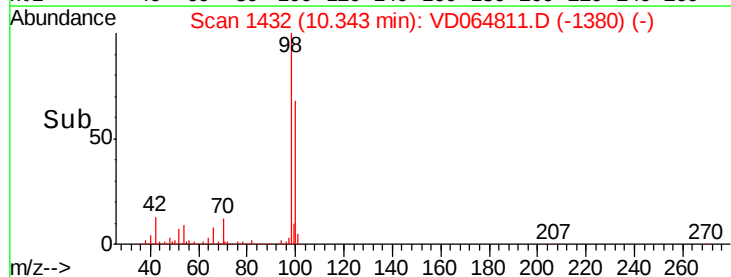
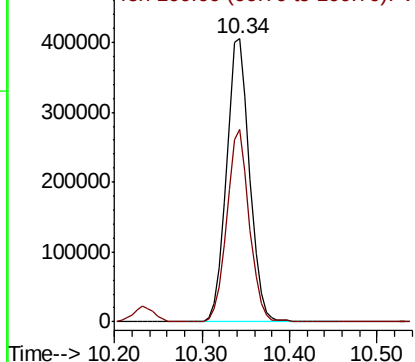


#50
Toluene-d8
Concen: 53.829 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion: 98 Resp: 731738
Ion Ratio Lower Upper
98 100
100 65.9 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 109.408 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

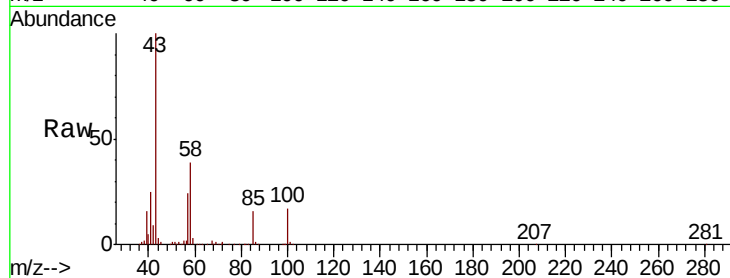
ClientSampled :

Tot Ion: 43 Resp: 235461

Ion Ratio Lower Upper

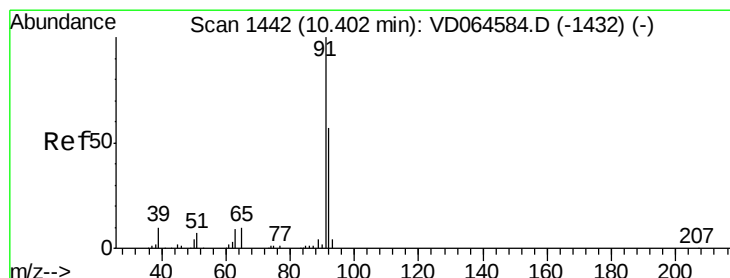
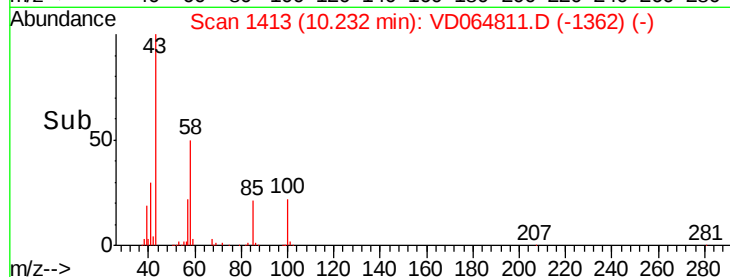
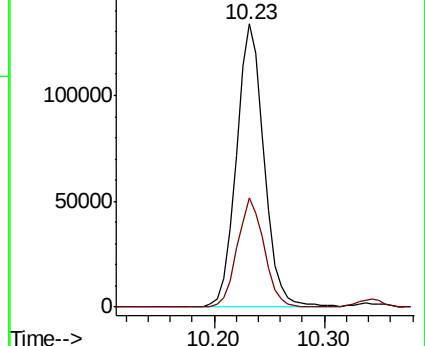
43 100

58 37.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.941 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064811.D

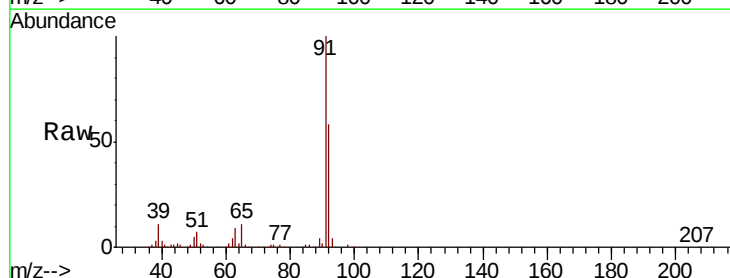
Acq: 09 Jan 2020 12:28

Tgt Ion: 92 Resp: 218821

Ion Ratio Lower Upper

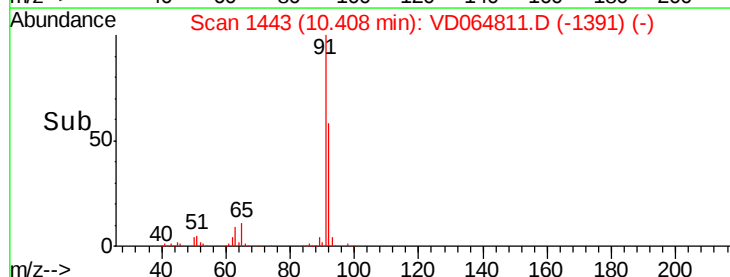
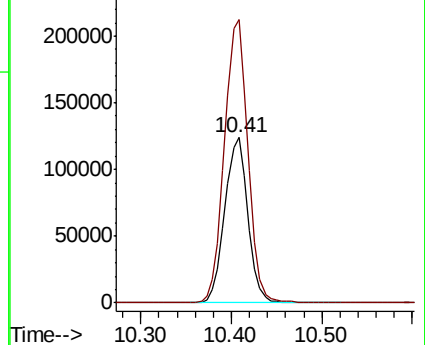
92 100

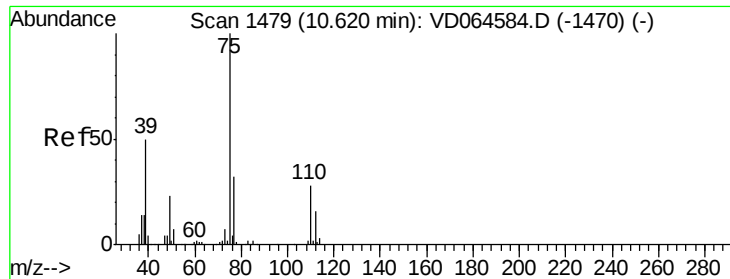
91 173.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.889 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

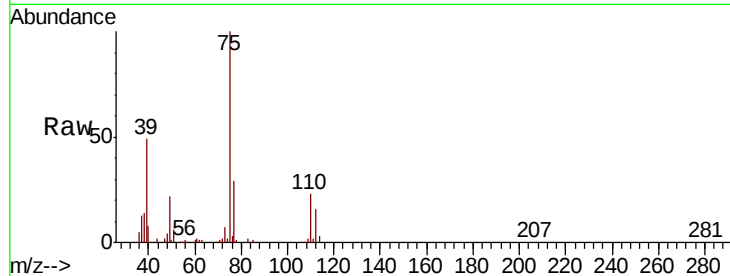
ClientSampleId :

Tot Ion: 75 Resp: 109887

Ion Ratio Lower Upper

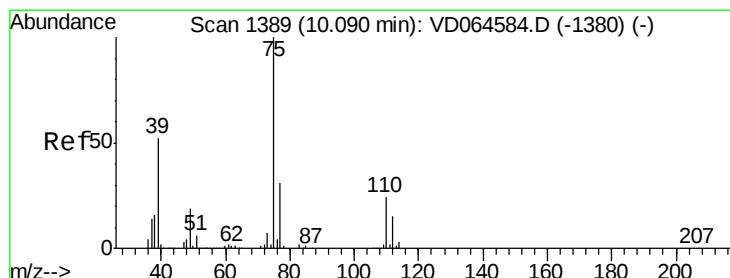
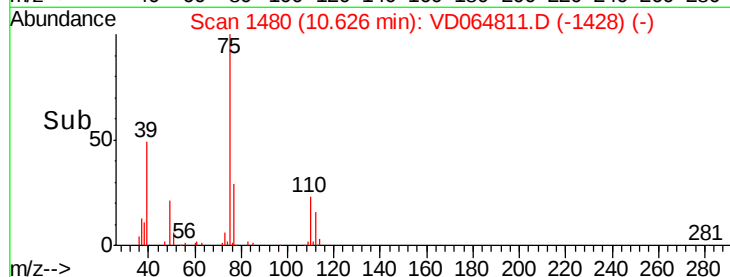
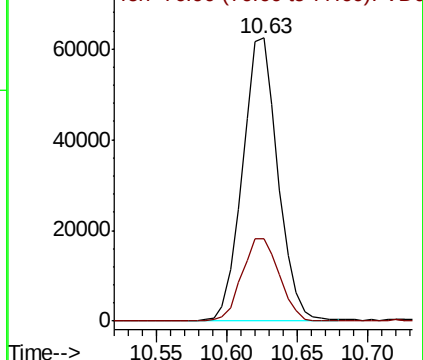
75 100

77 29.1 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.591 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

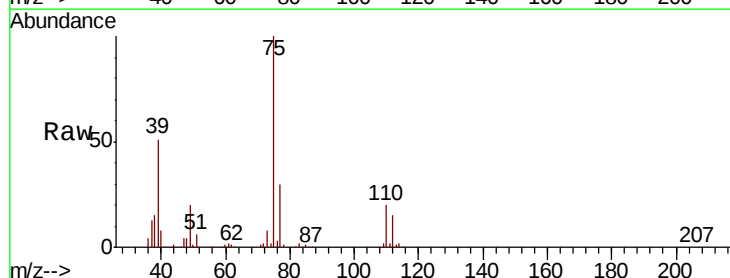
Tgt Ion: 75 Resp: 133727

Ion Ratio Lower Upper

75 100

77 30.0 24.6 36.8

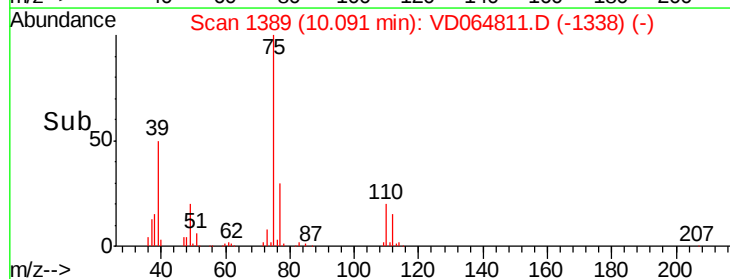
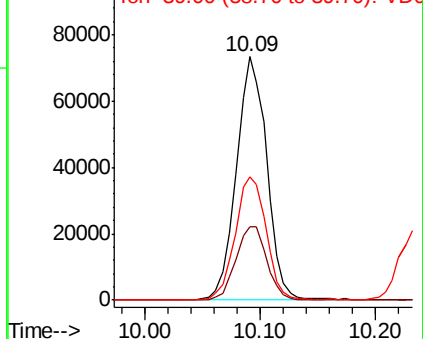
39 50.5 41.4 62.2

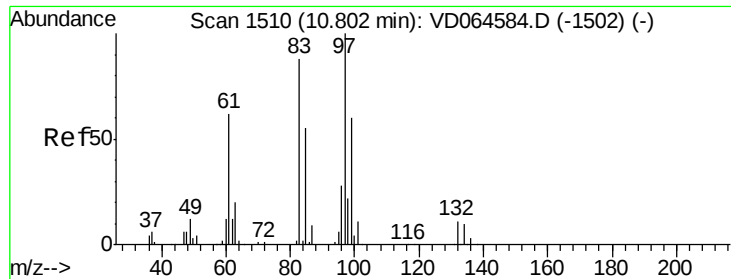


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

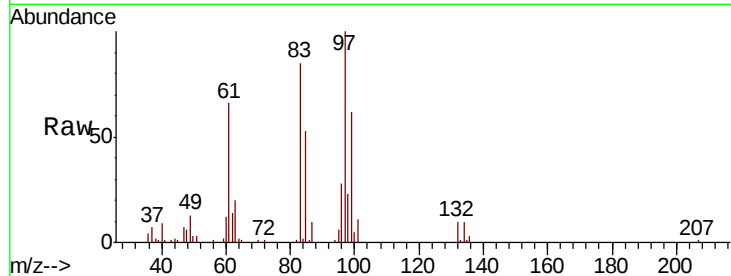




#55
 1,1,2-Trichloroethane
 Concen: 21.580 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	97	Resp	58849
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.2	105.4
85	53.3	44.0	66.0
99	62.0	47.8	71.6



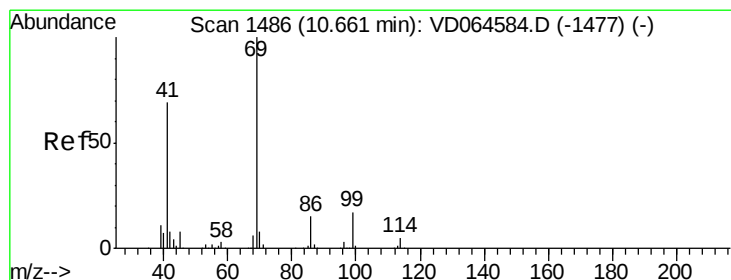
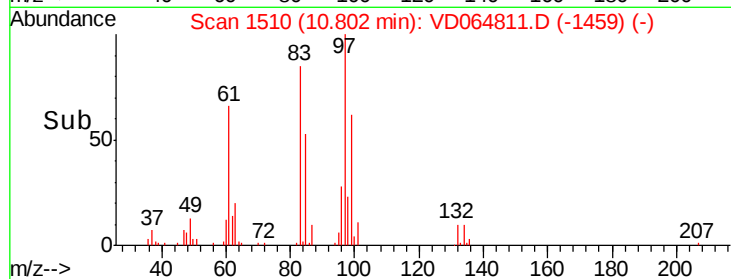
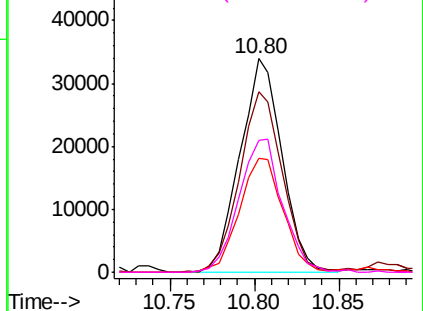
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

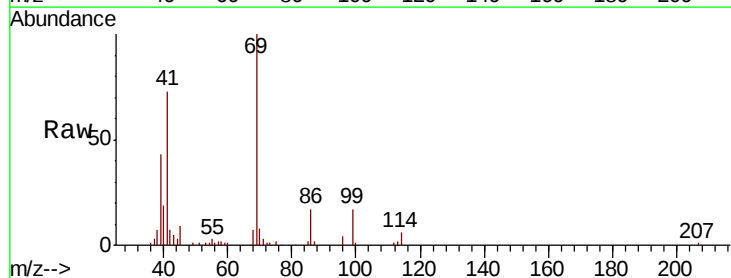
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 21.373 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Tgt Ion	69	Resp	72791
Ion	Ratio	Lower	Upper
69	100		
41	71.3	55.3	82.9
39	38.5	33.8	50.8

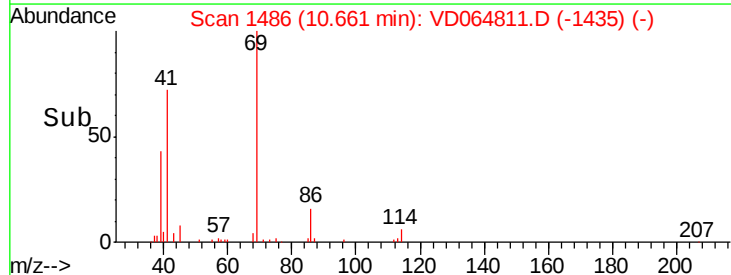
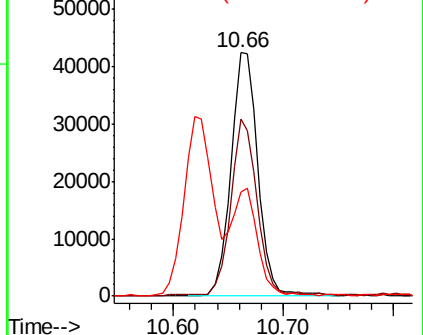


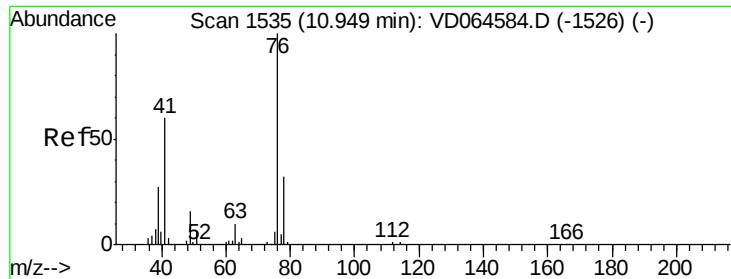
Abundance

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

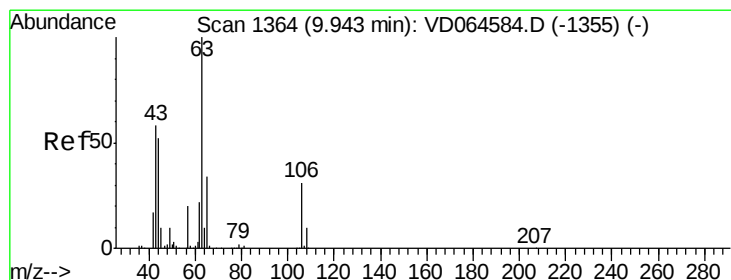
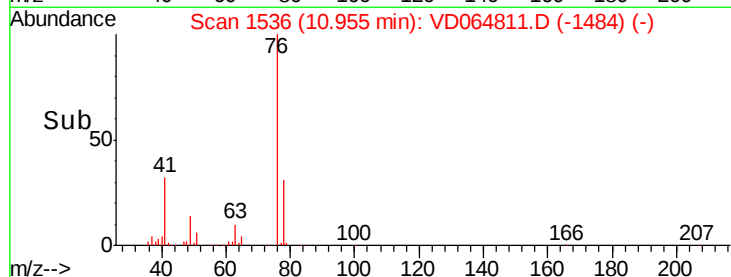
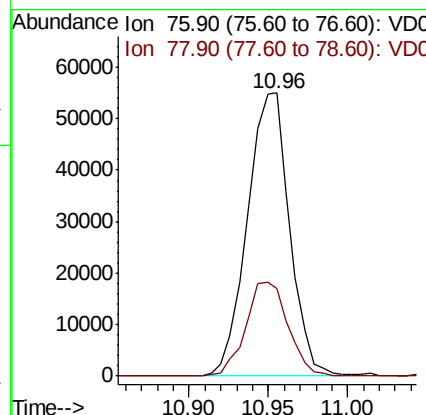
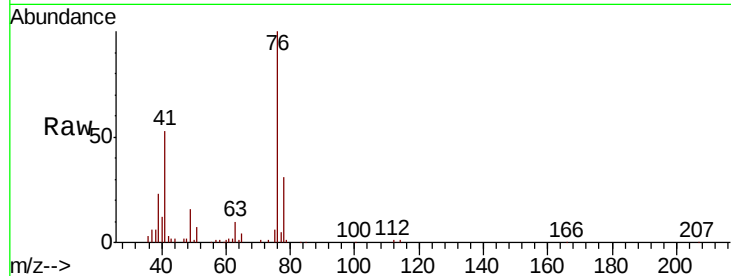




#57
 1,3-Dichloropropane
 Concen: 21.661 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

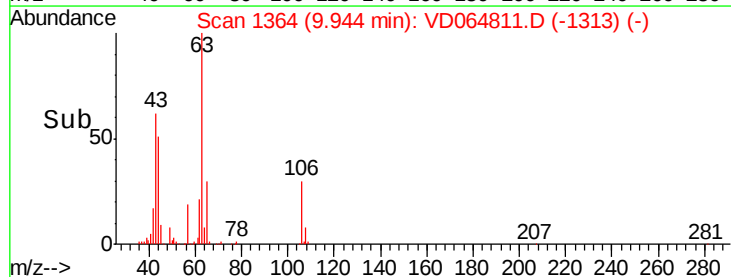
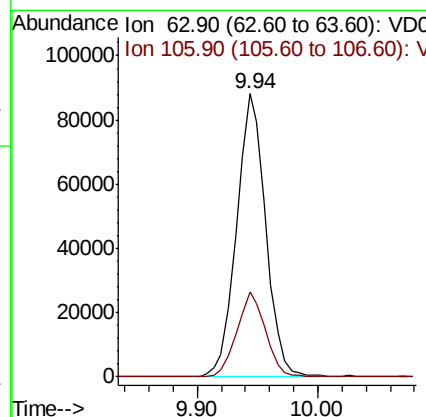
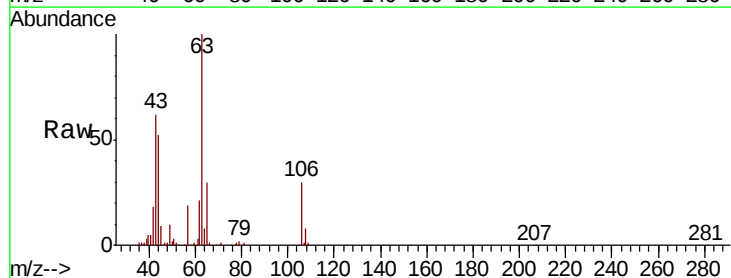
Instrument :
 MSVOA_D
 ClientSampleId :

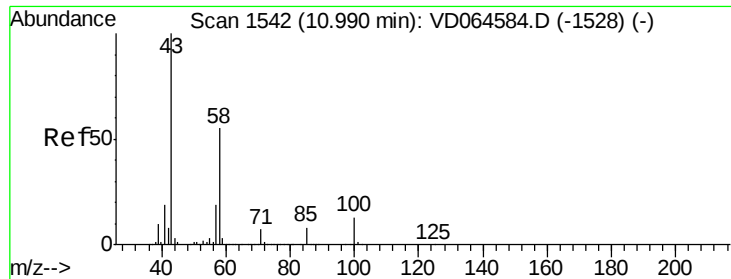
Tot Ion: 76 Resp: 101706
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.082 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Tgt Ion: 63 Resp: 148028
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.8

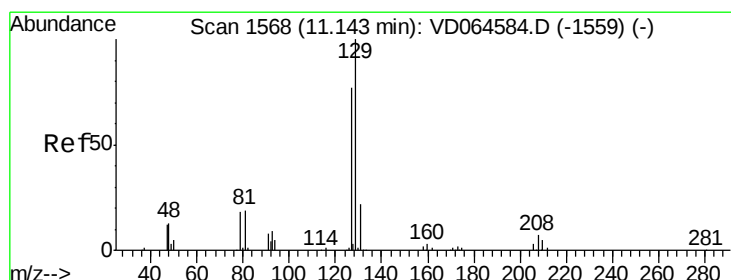
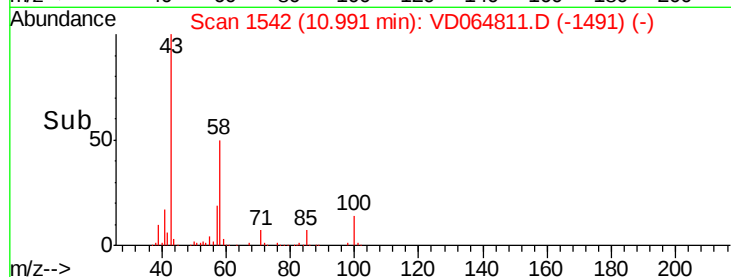
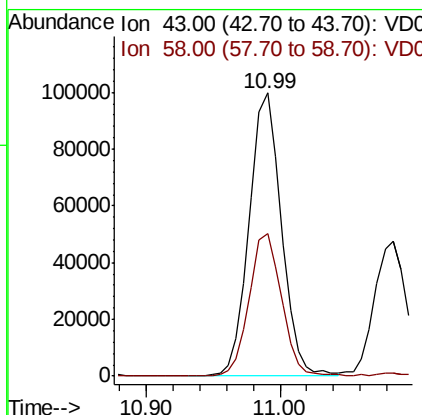
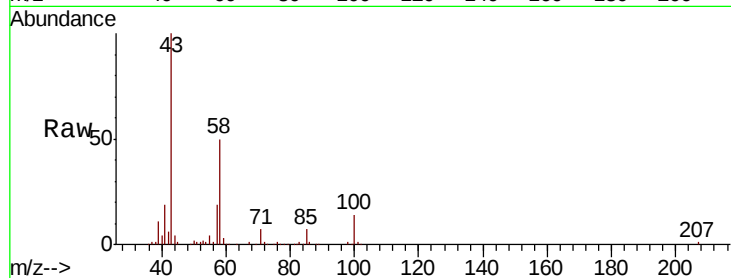




#59
2-Hexanone
Concen: 113.989 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

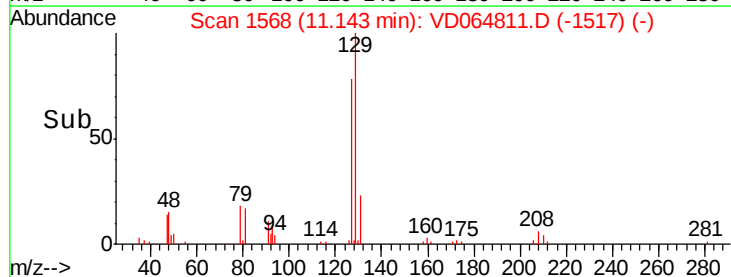
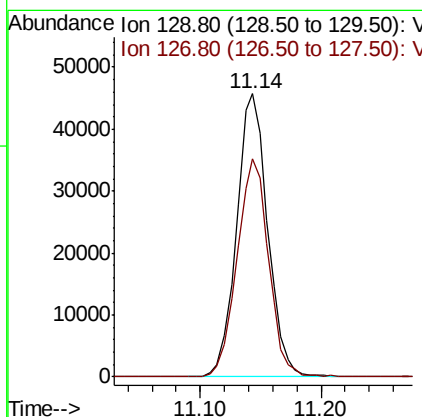
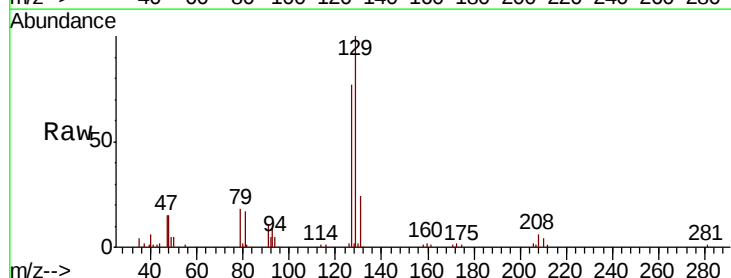
Instrument :
MSVOA_D
ClientSampleId :

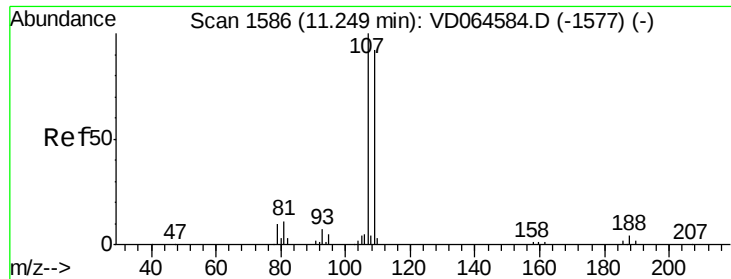
Tot Ion: 43 Resp: 166503
Ion Ratio Lower Upper
43 100
58 50.6 26.4 79.0



#60
Dibromochloromethane
Concen: 21.698 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion:129 Resp: 81826
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 21.707 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

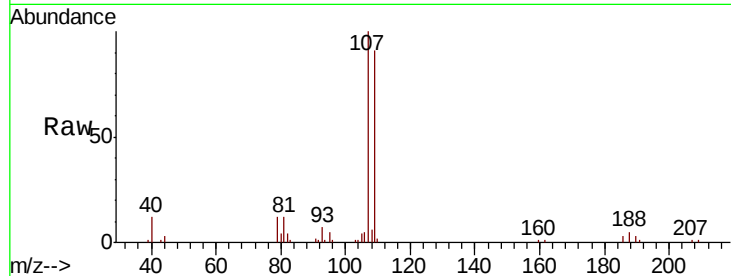
ClientSampleId :

Tot Ion:107 Resp: 58387

Ion Ratio Lower Upper

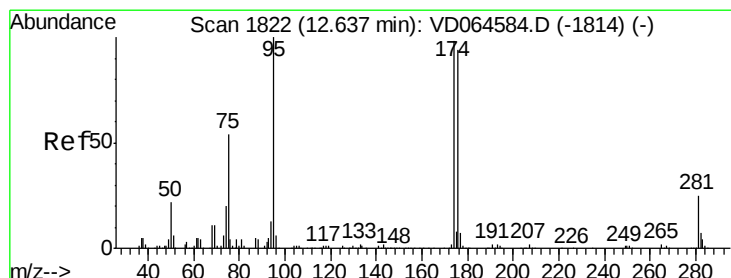
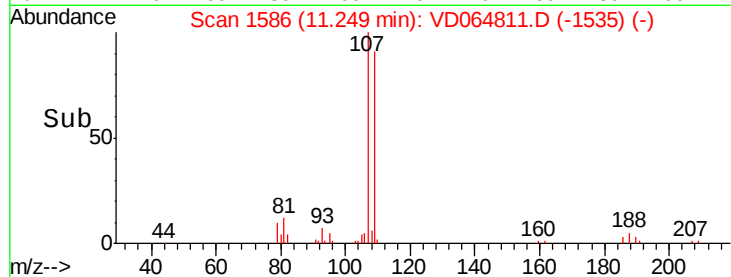
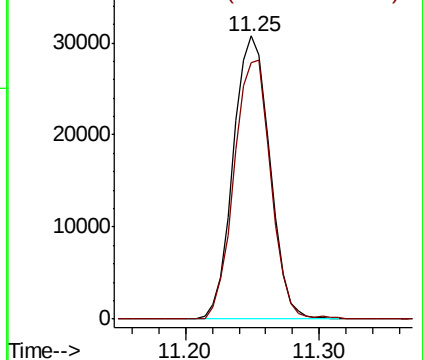
107 100

109 91.8 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.671 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

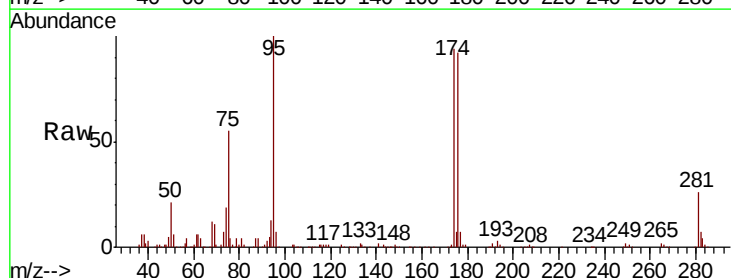
Tgt Ion: 95 Resp: 230705

Ion Ratio Lower Upper

95 100

174 94.8 0.0 193.2

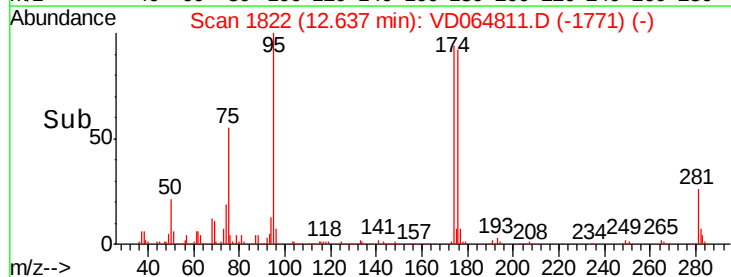
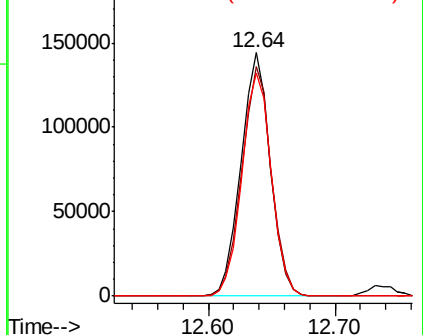
176 92.4 0.0 184.2

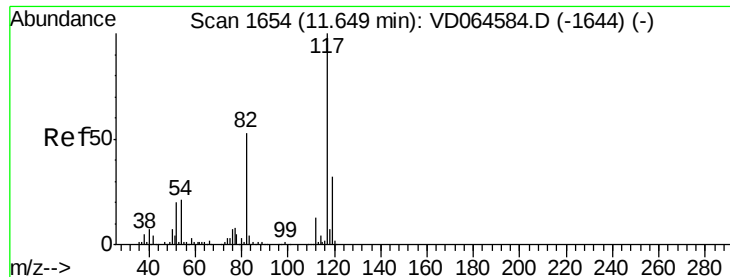


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

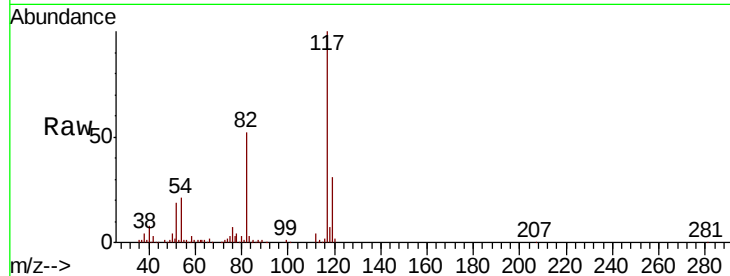
Tot Ion:117 Resp: 506250

Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.4

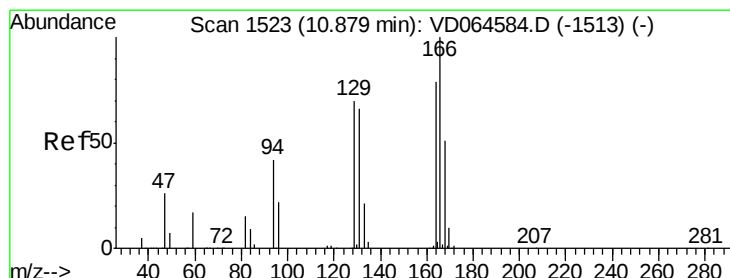
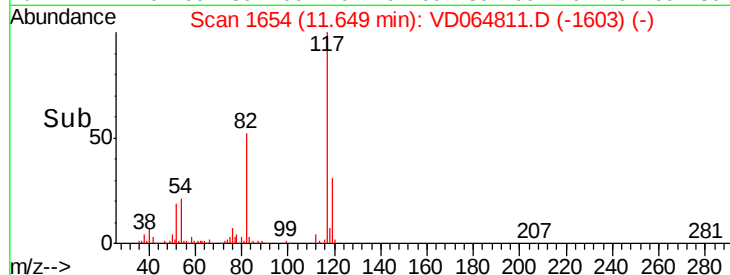
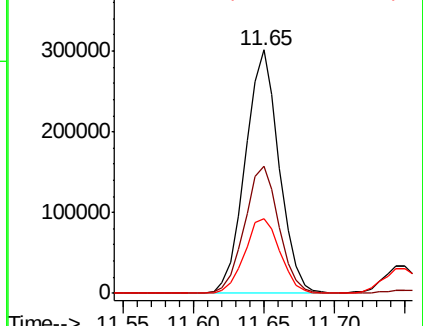
119 30.8 26.0 39.0



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: 21.978 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Tgt Ion:164 Resp: 85360

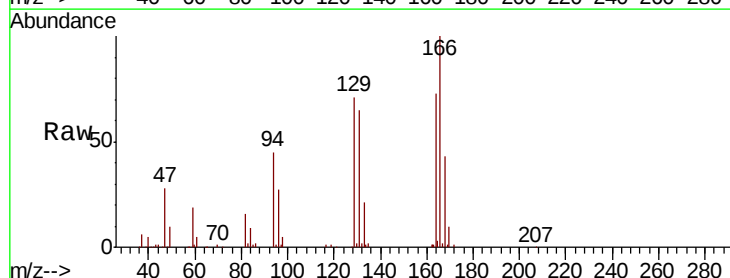
Ion Ratio Lower Upper

164 100

166 136.1 101.3 151.9

129 97.0 70.5 105.7

131 88.6 66.6 99.8

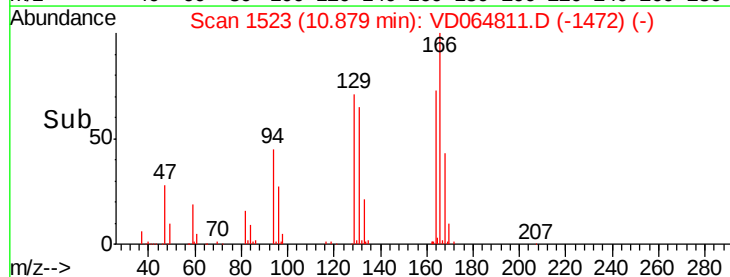
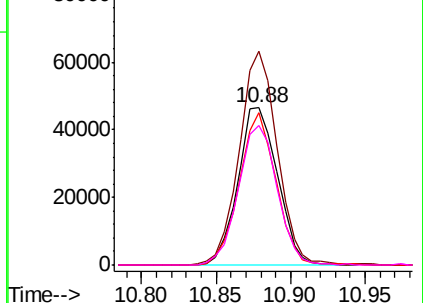


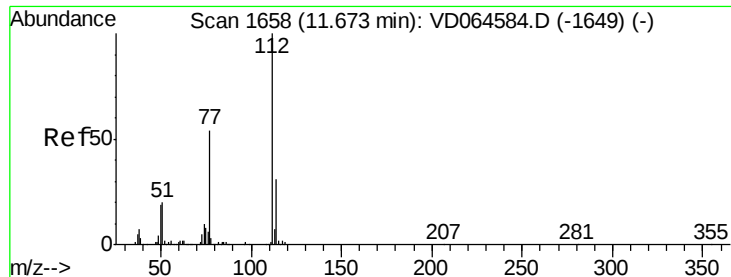
Abundance Ion 163.80 (163.50 to 164.50): V

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

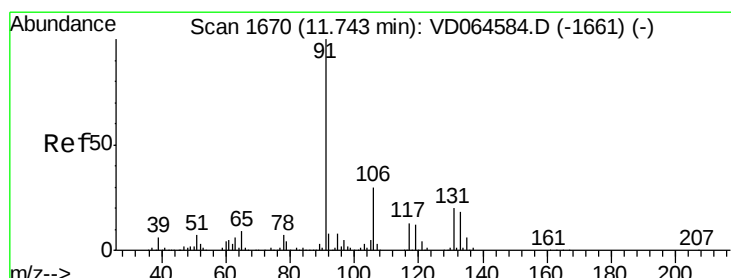
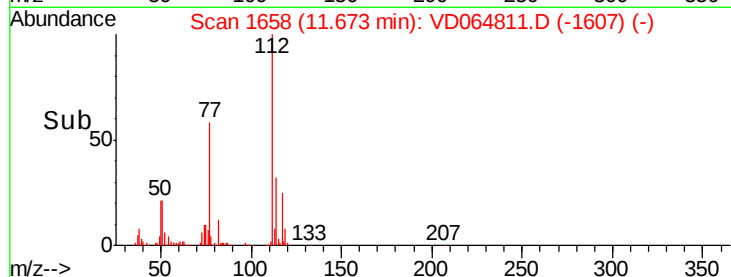
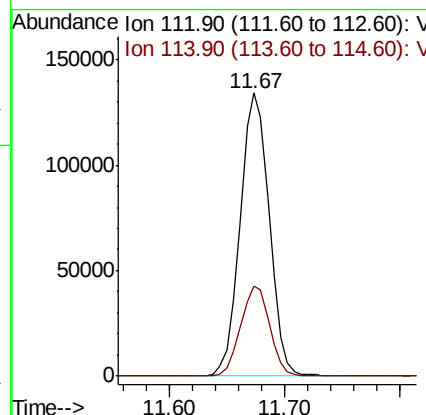
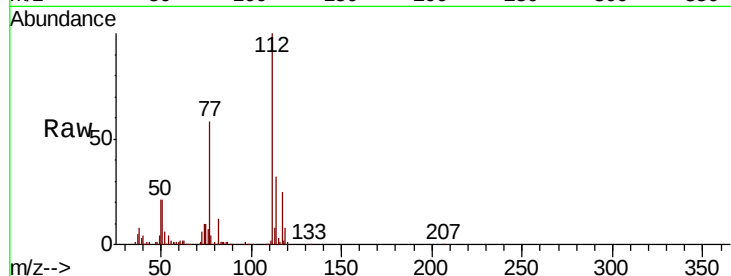




#65
Chlorobenzene
Concen: 22.223 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

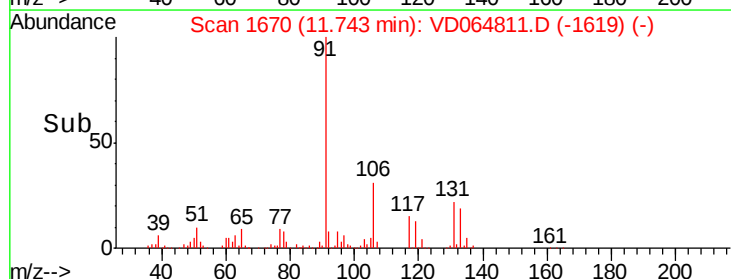
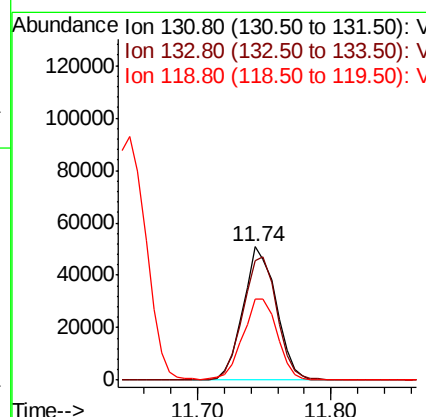
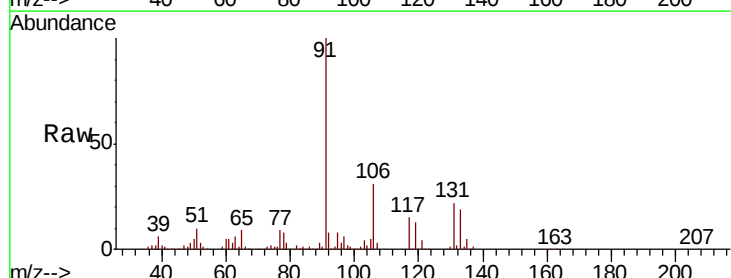
Instrument :
MSVOA_D
ClientSampleId :

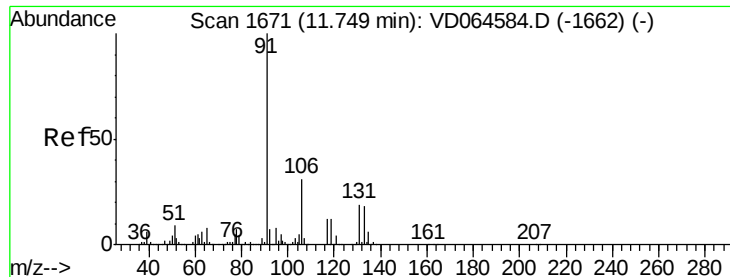
Tot Ion:112 Resp: 233500
Ion Ratio Lower Upper
112 100
114 31.9 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.130 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion:131 Resp: 87658
Ion Ratio Lower Upper
131 100
133 95.1 48.3 144.8
119 63.3 32.1 96.3

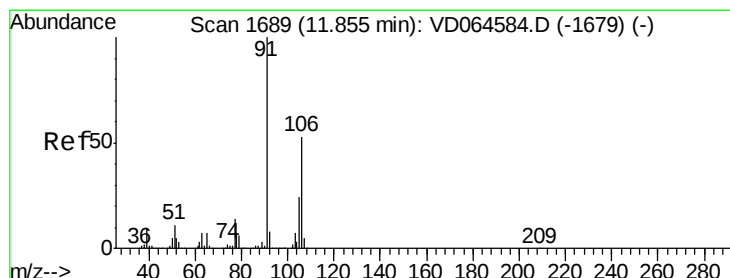
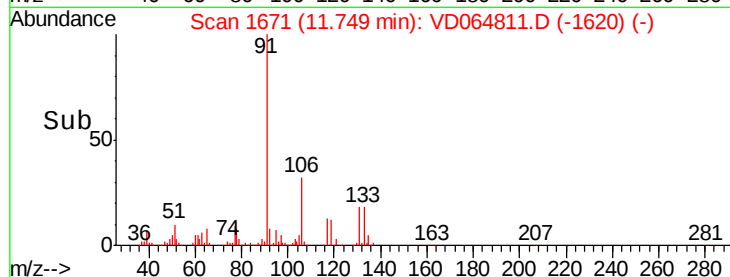
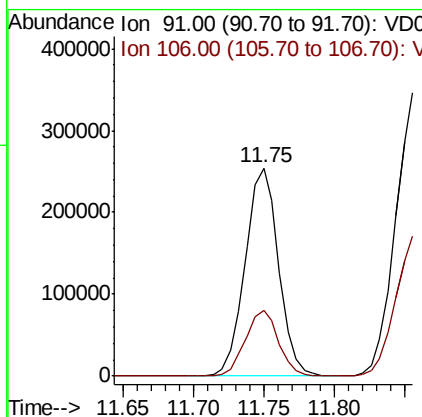
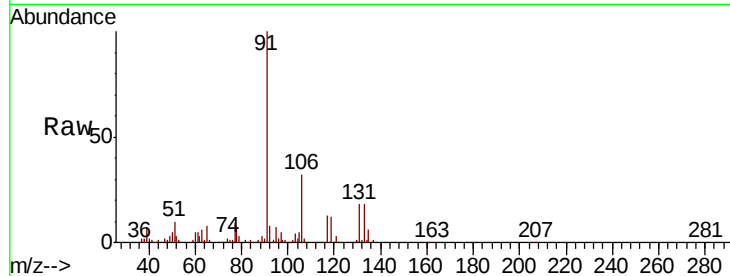




#67
Ethyl Benzene
Concen: 22.099 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

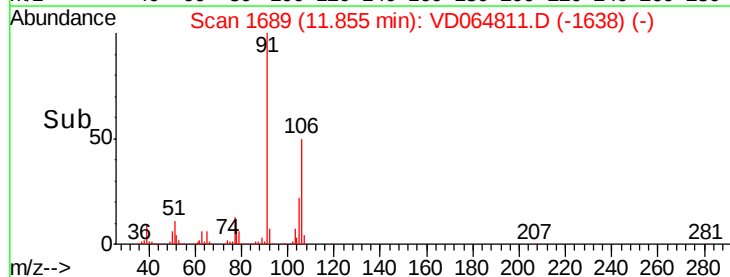
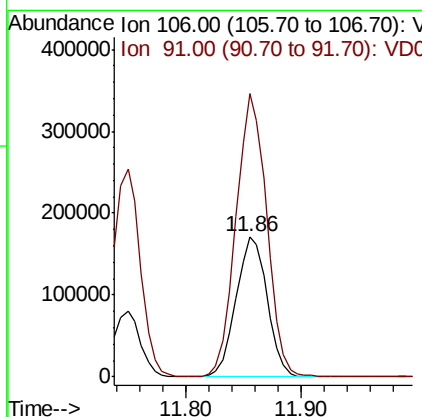
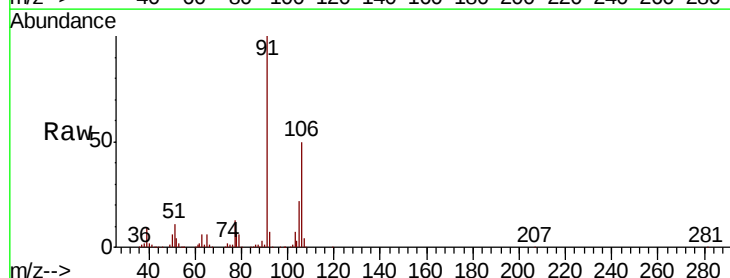
Instrument :
MSVOA_D
ClientSampled :

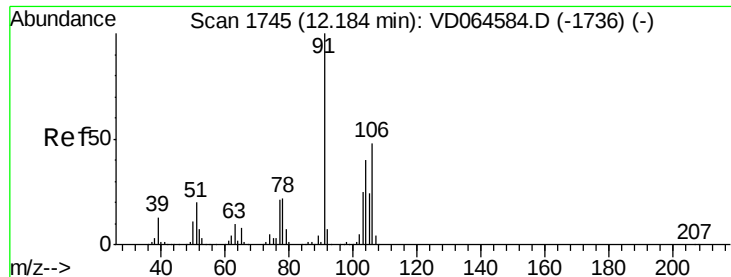
Tot Ion: 91 Resp: 421453
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8



#68
m/p-Xylenes
Concen: 43.524 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion: 106 Resp: 320385
Ion Ratio Lower Upper
106 100
91 199.7 156.3 234.5

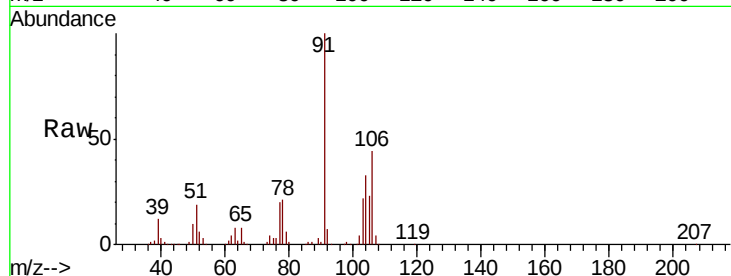




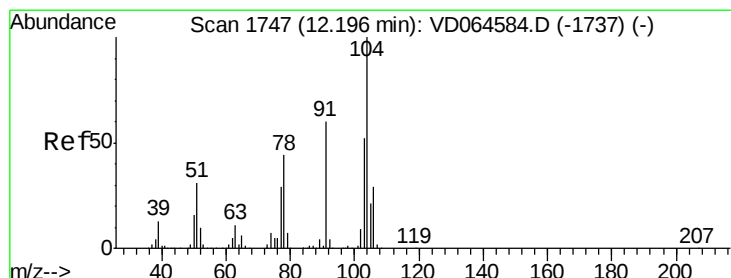
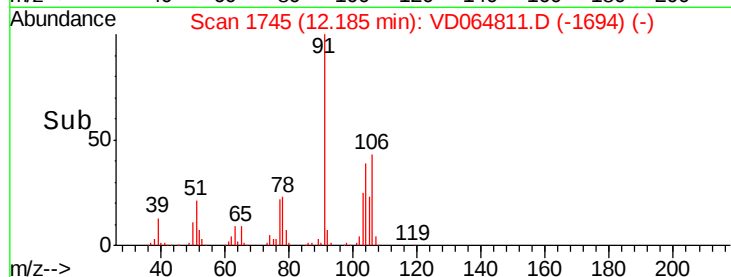
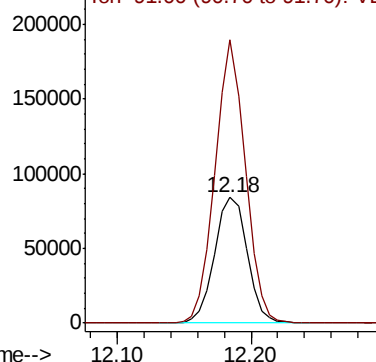
#69
o-Xylene
Concen: 21.386 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 142195
Ion Ratio Lower Upper
106 100
91 208.6 104.8 314.4

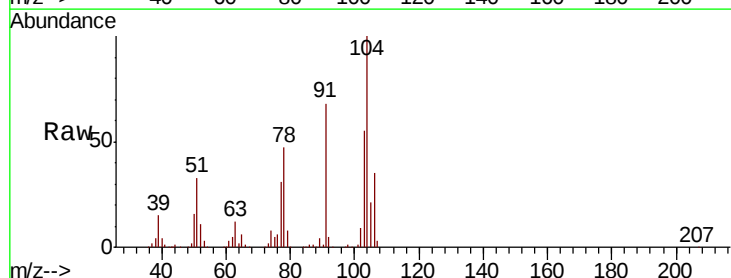


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

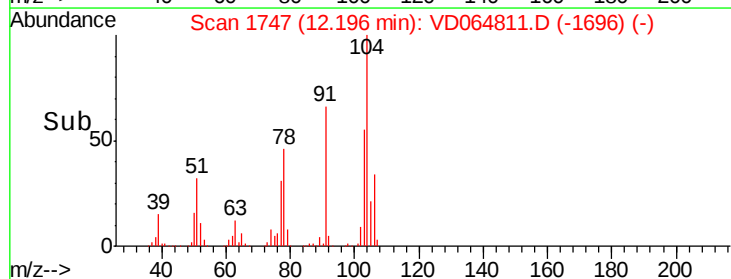
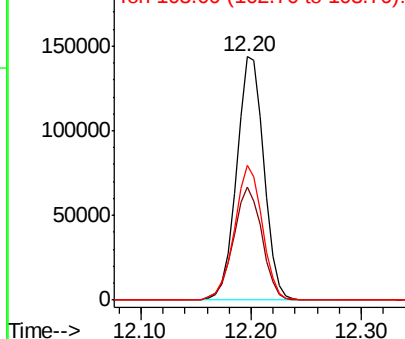


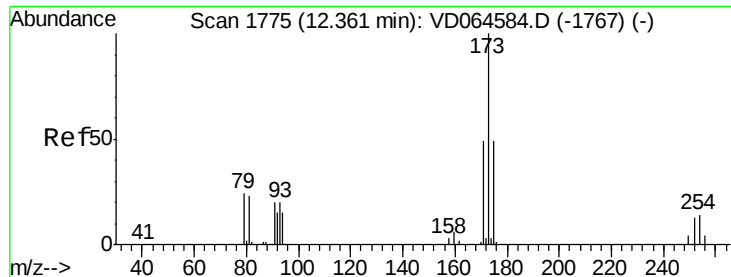
#70
Styrene
Concen: 21.415 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion:104 Resp: 249932
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.2
103 56.6 44.6 67.0



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





#71

Bromoform

Concen: 21.373 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

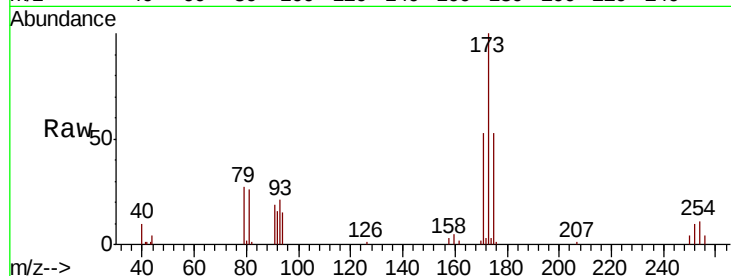
Tot Ion:173 Resp: 48280

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.8

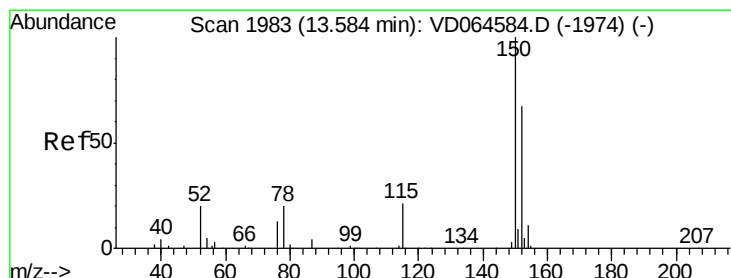
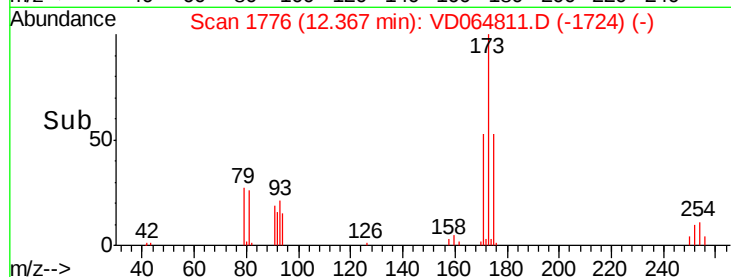
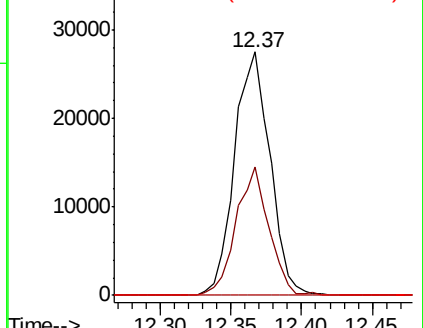
254 0.0 0.1 0.1#



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# 1983

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

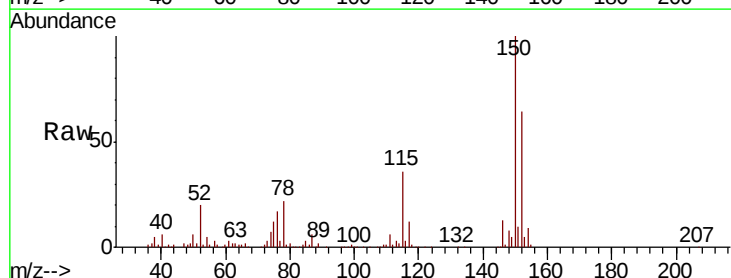
Tgt Ion:152 Resp: 245984

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.4

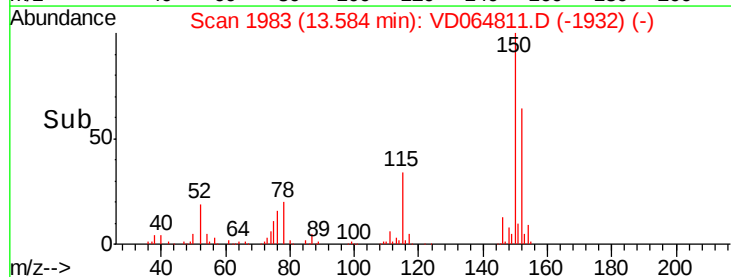
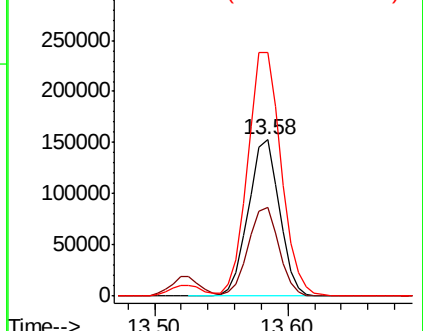
150 167.2 0.0 351.4

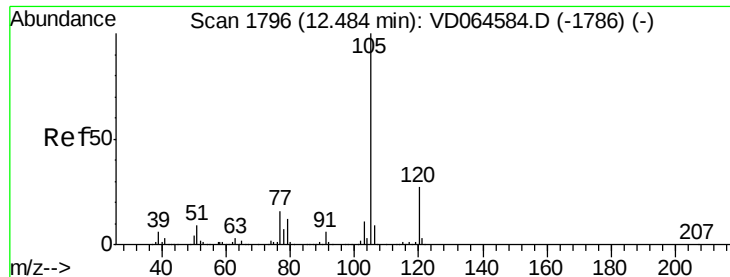


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

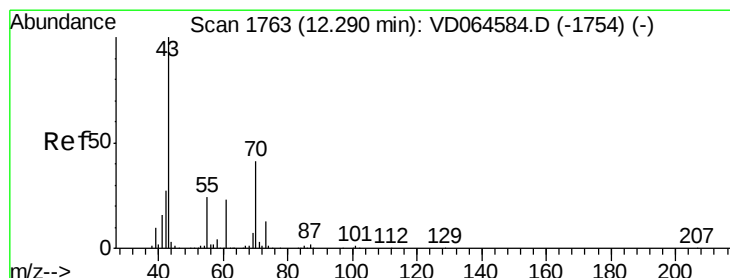
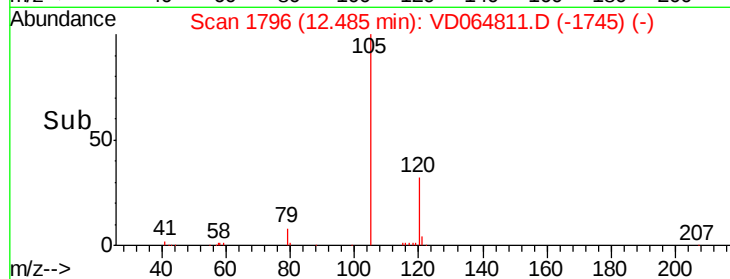
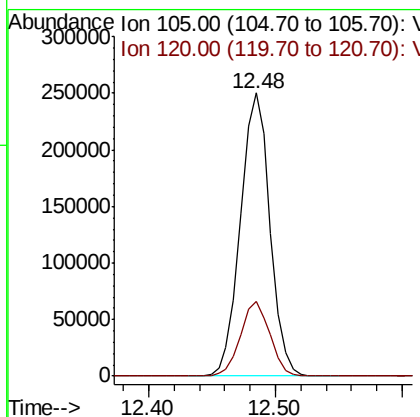
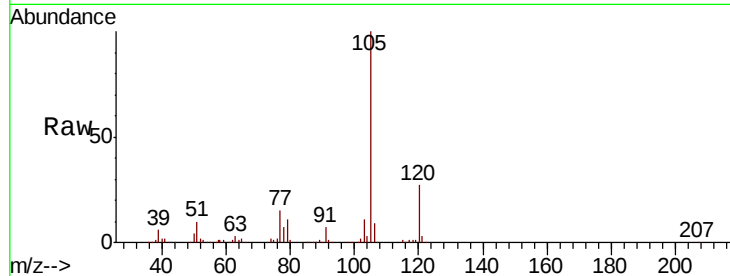




#73
Isopropylbenzene
Concen: 22.940 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

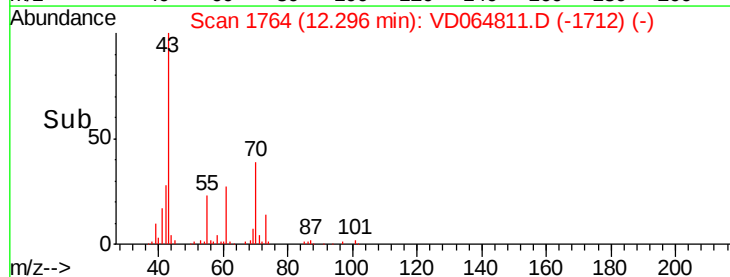
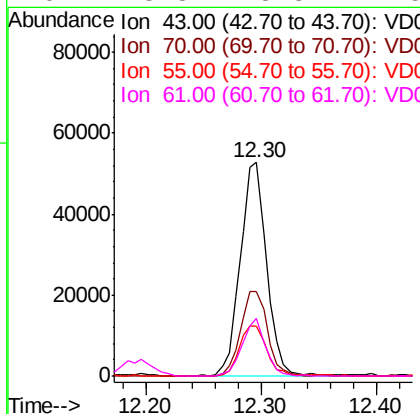
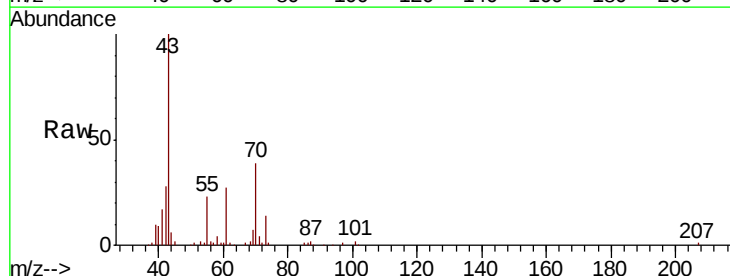
Instrument :
MSVOA_D
ClientSampleId :

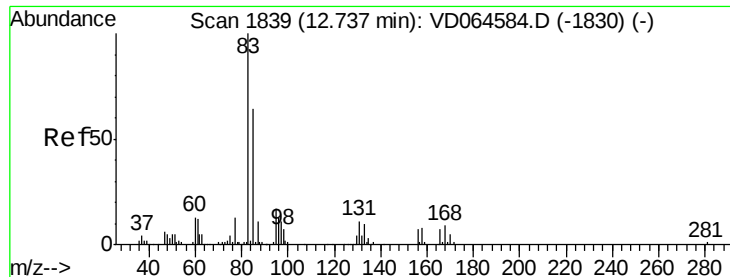
Tot Ion:105 Resp: 403251
Ion Ratio Lower Upper
105 100
120 26.2 13.5 40.5



#74
N-ethyl acetate
Concen: 22.256 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion: 43 Resp: 83629
Ion Ratio Lower Upper
43 100
70 39.9 33.4 50.0
55 24.4 19.4 29.0
61 23.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.835 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

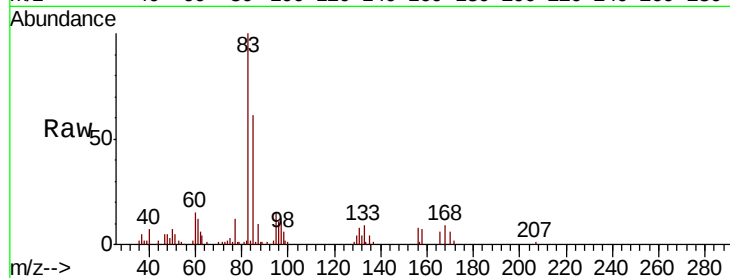
Tot Ion: 83 Resp: 63056

Ion Ratio Lower Upper

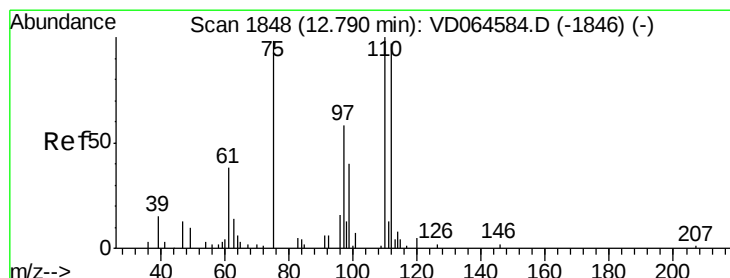
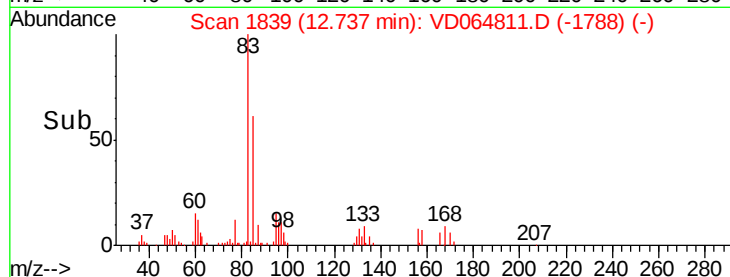
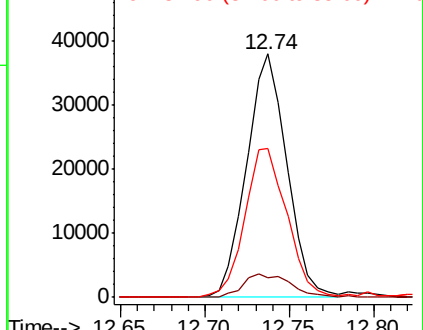
83 100

131 11.3 5.8 17.4

85 64.1 32.3 96.9



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: 43.214 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064811.D

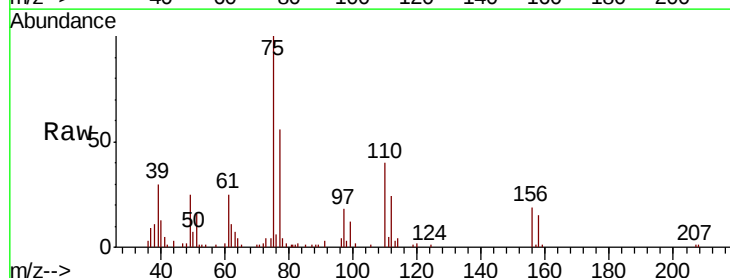
Acq: 09 Jan 2020 12:28

Tgt Ion: 75 Resp: 83940

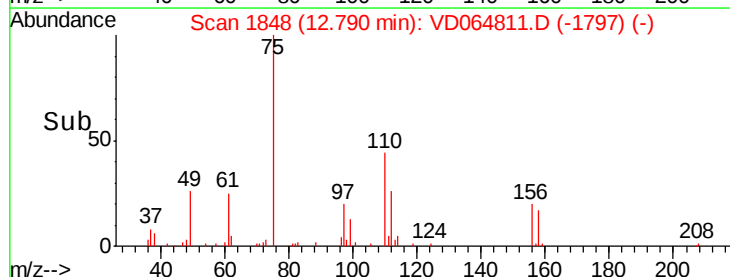
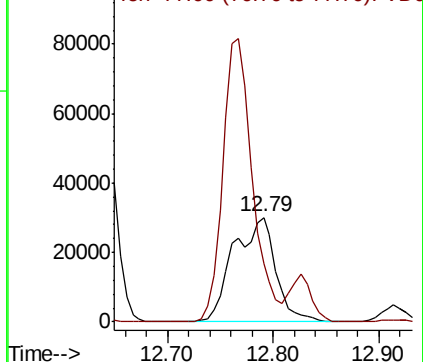
Ion Ratio Lower Upper

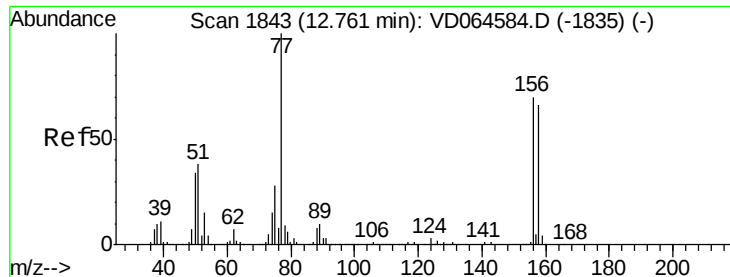
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.289 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

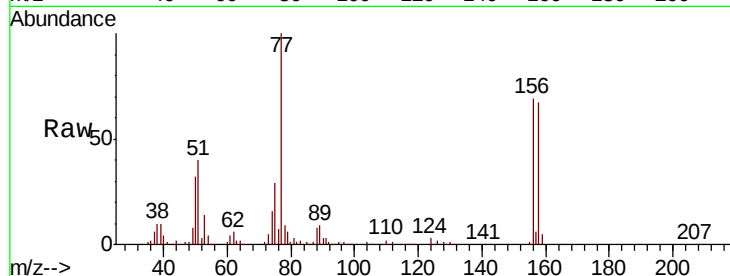
Tot Ion:156 Resp: 96272

Ion Ratio Lower Upper

156 100

77 165.1 80.9 242.7

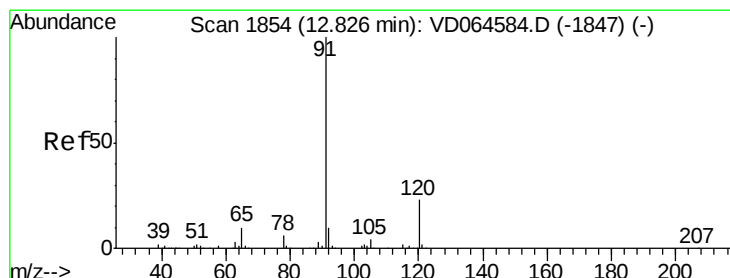
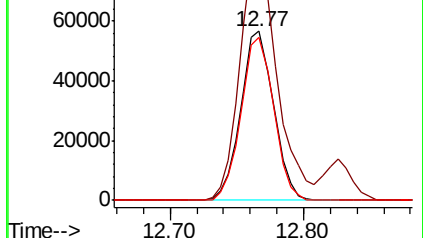
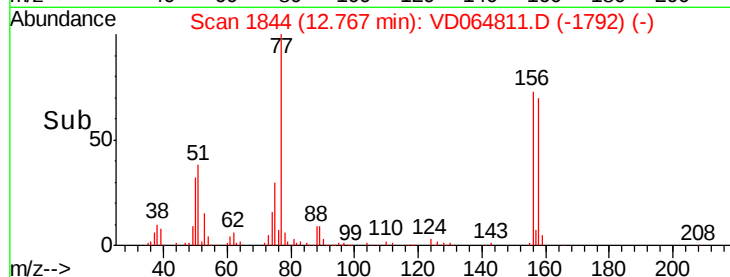
158 95.5 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.166 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064811.D

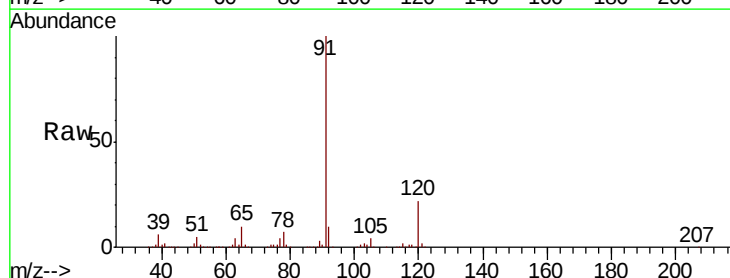
Acq: 09 Jan 2020 12:28

Tgt Ion: 91 Resp: 475086

Ion Ratio Lower Upper

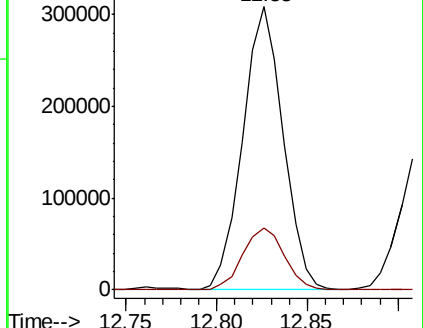
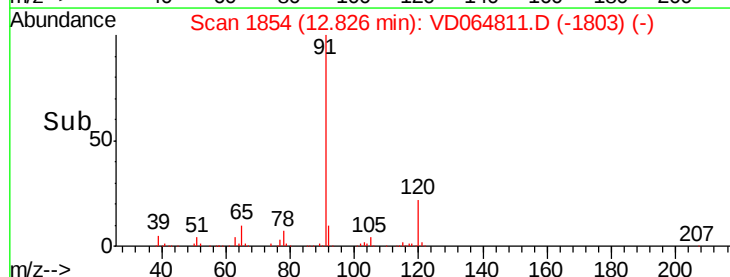
91 100

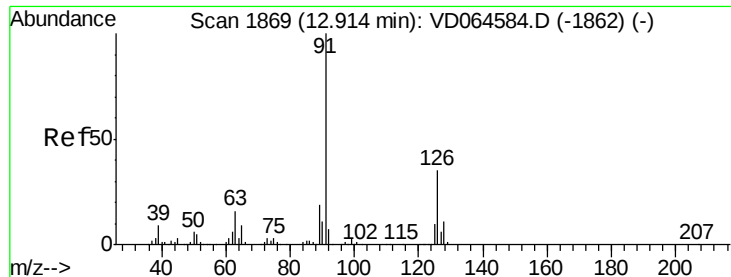
120 22.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.457 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

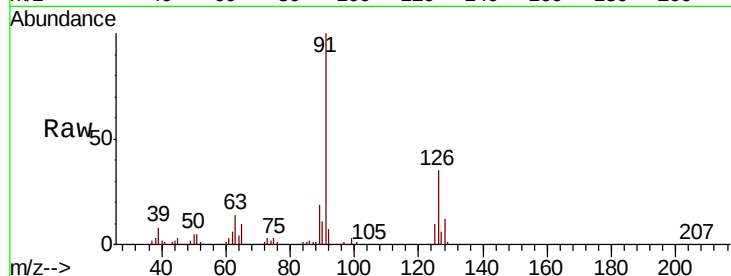
ClientSampleId :

Tot Ion: 91 Resp: 252997

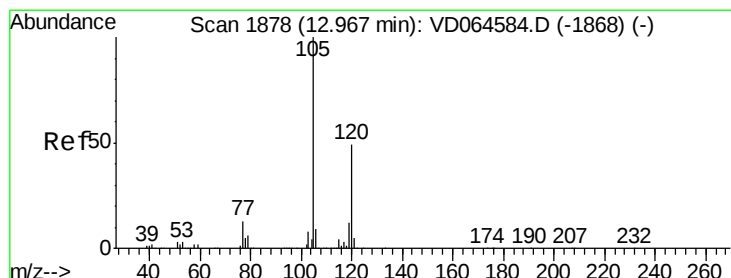
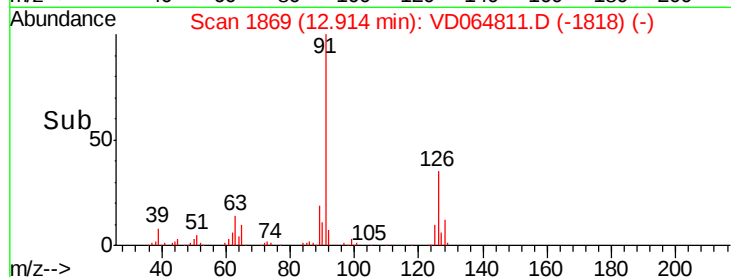
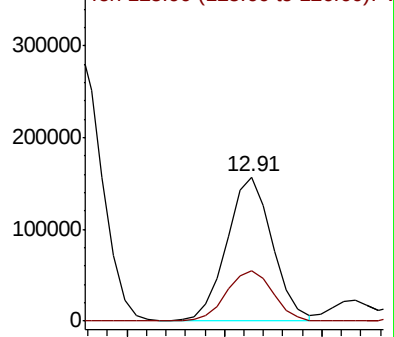
Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.535 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064811.D

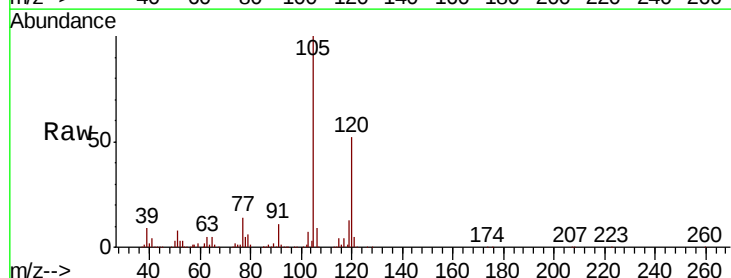
Acq: 09 Jan 2020 12:28

Tgt Ion: 105 Resp: 325405

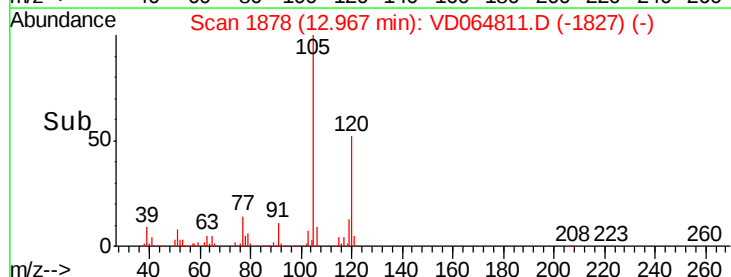
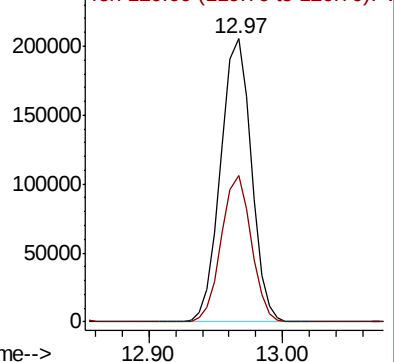
Ion Ratio Lower Upper

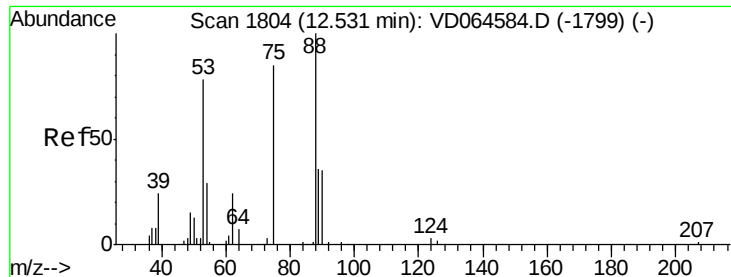
105 100

120 50.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 23.503 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

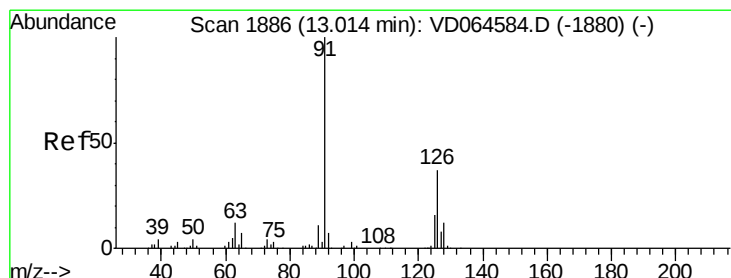
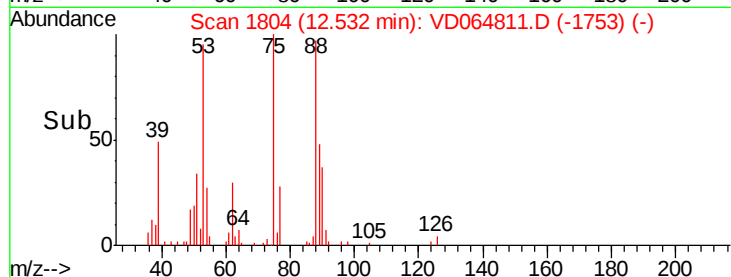
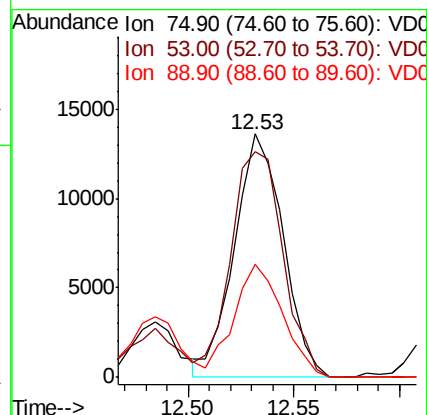
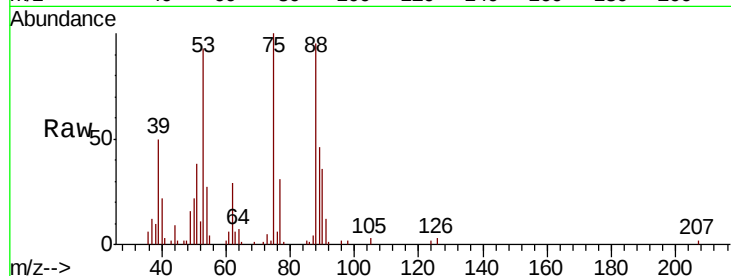
Tot Ion: 75 Resp: 21828

Ion Ratio Lower Upper

75 100

53 99.2 78.8 118.2

89 46.1 38.3 57.5



#82

4-Chlorotoluene

Concen: 22.698 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064811.D

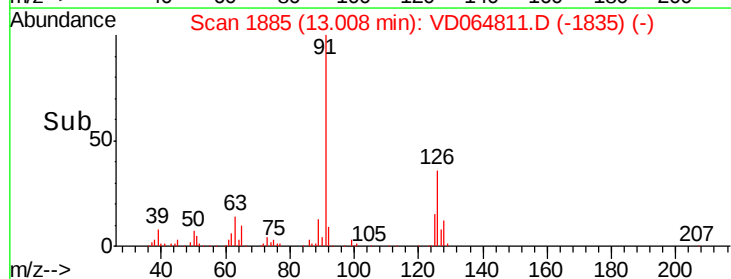
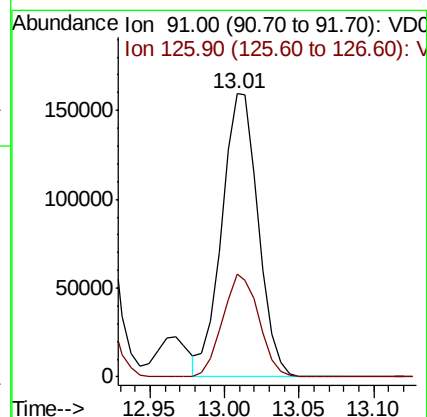
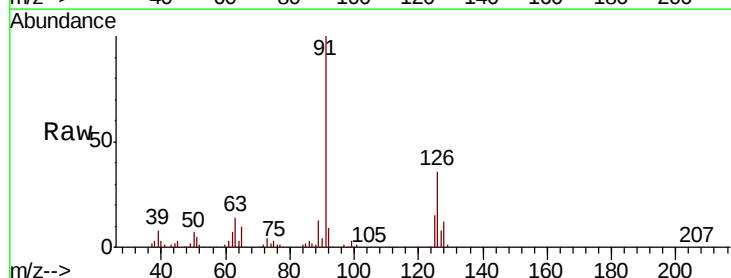
Acq: 09 Jan 2020 12:28

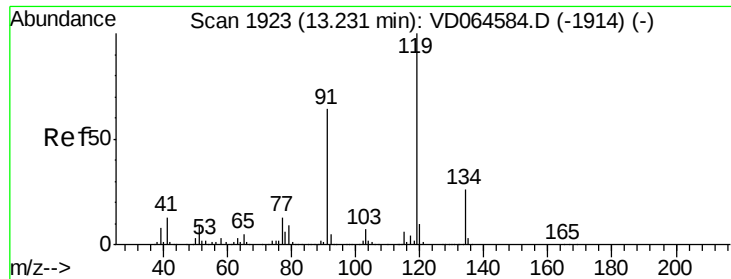
Tgt Ion: 91 Resp: 272118

Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.5

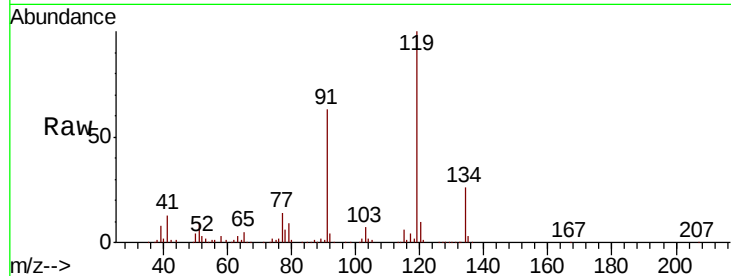




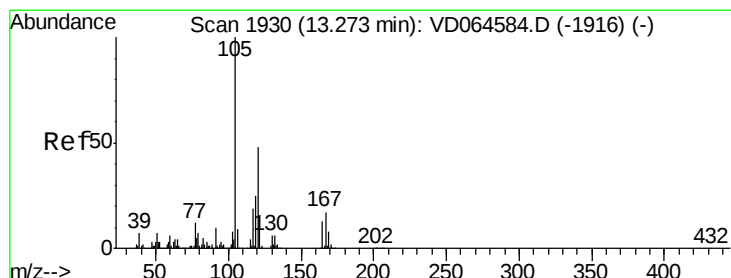
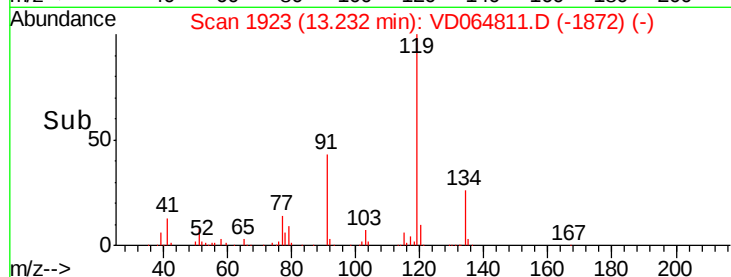
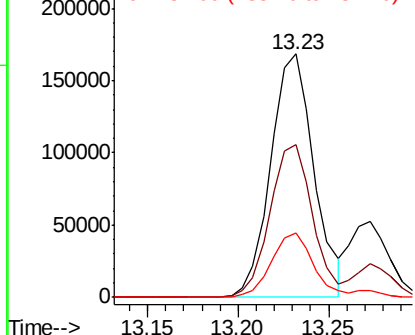
#83
tert-Butylbenzene
Concen: 22.446 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 281419
Ion Ratio Lower Upper
119 100
91 61.7 30.8 92.4
134 25.6 12.8 38.3

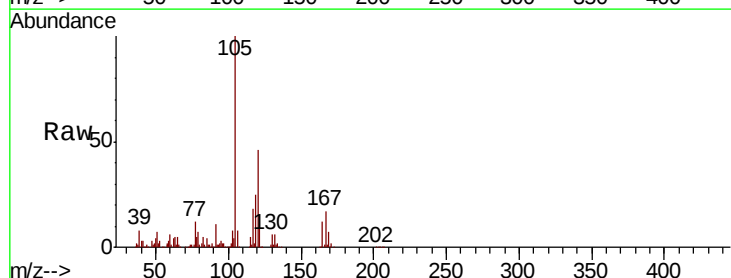


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

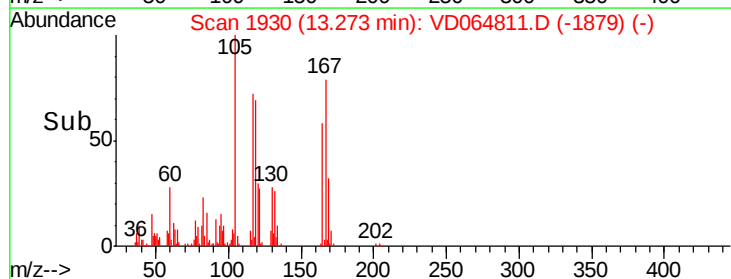
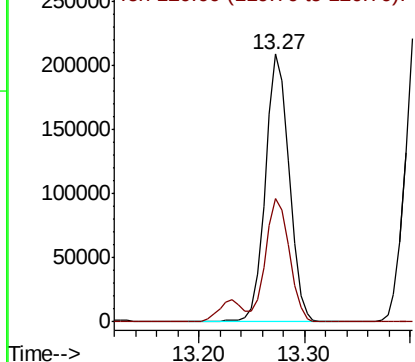


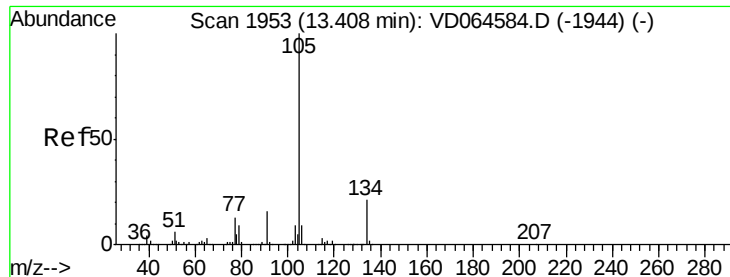
#84
1,2,4-Trimethylbenzene
Concen: 22.627 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion:105 Resp: 325398
Ion Ratio Lower Upper
105 100
120 46.6 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.689 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

Instrument :

MSVOA_D

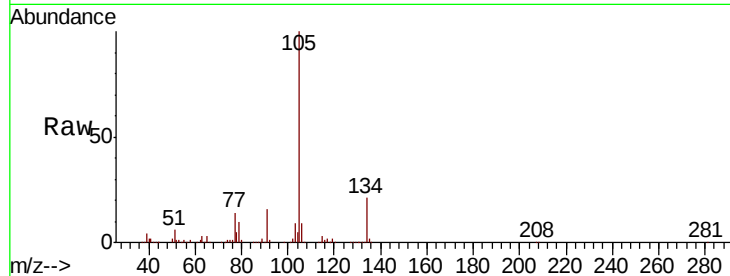
ClientSampled :

Tot Ion:105 Resp: 389988

Ion Ratio Lower Upper

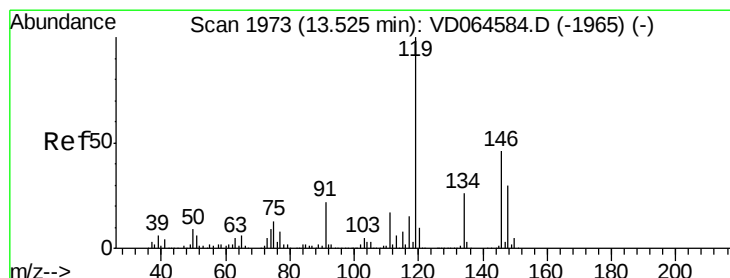
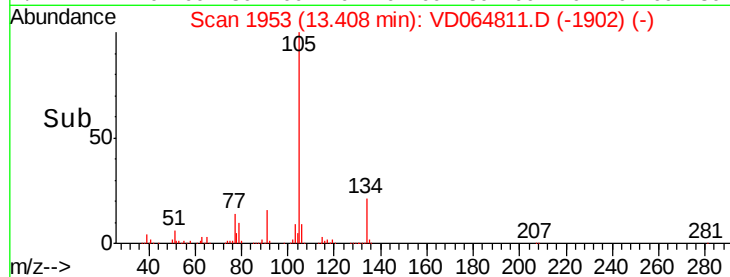
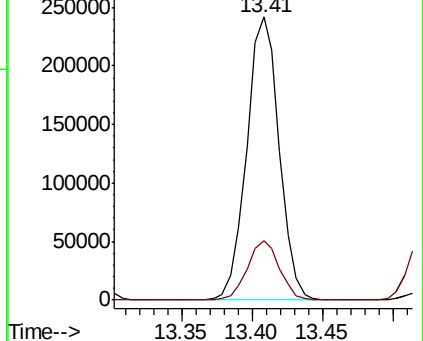
105 100

134 20.6 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.879 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064811.D

Acq: 09 Jan 2020 12:28

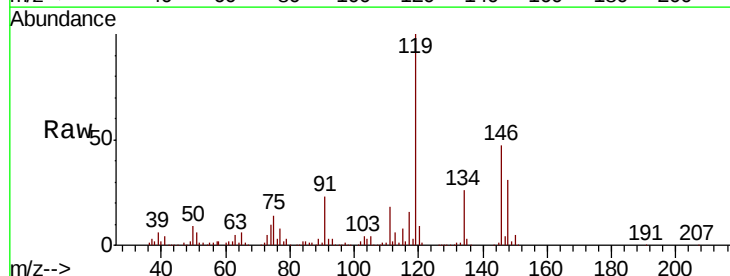
Tgt Ion:119 Resp: 359583

Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.1

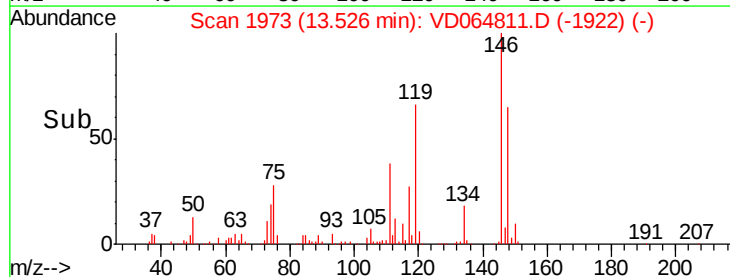
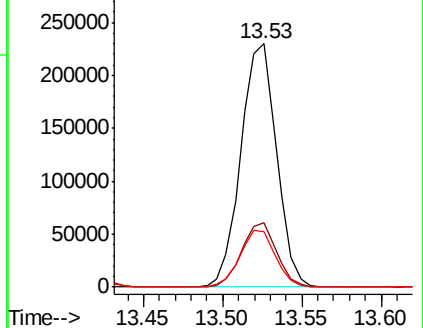
91 23.3 11.2 33.6

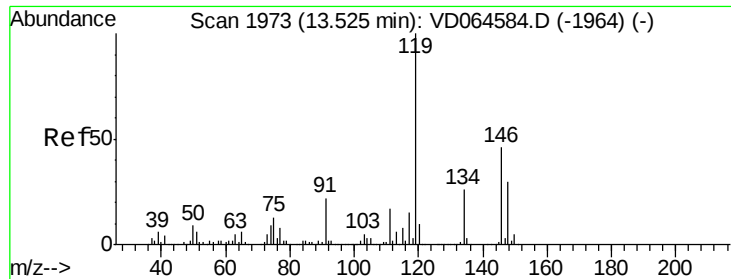


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

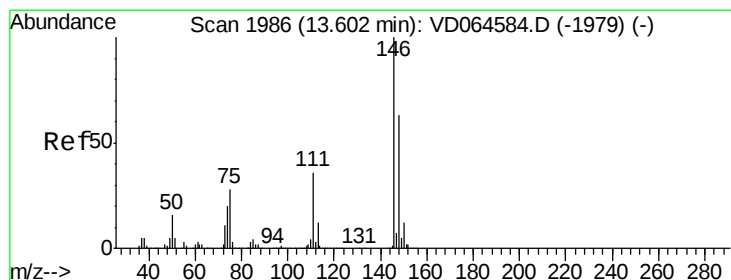
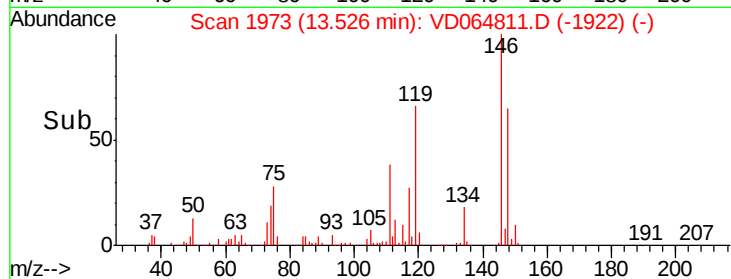
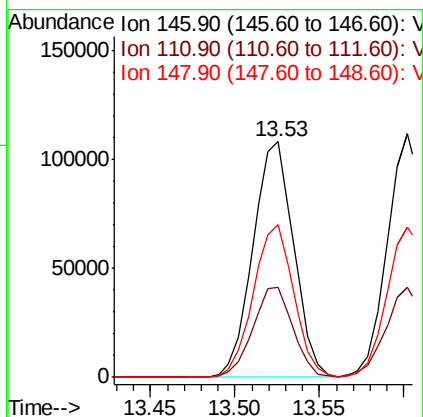
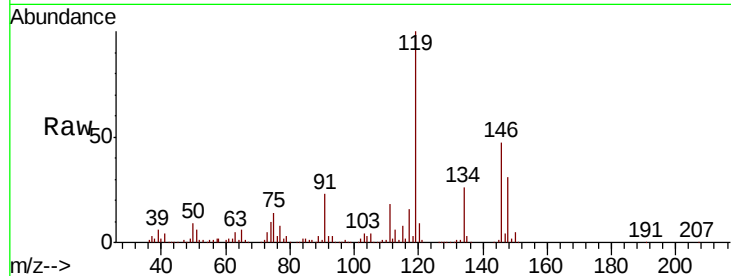




#87
 1,3-Dichlorobenzene
 Concen: 22.060 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

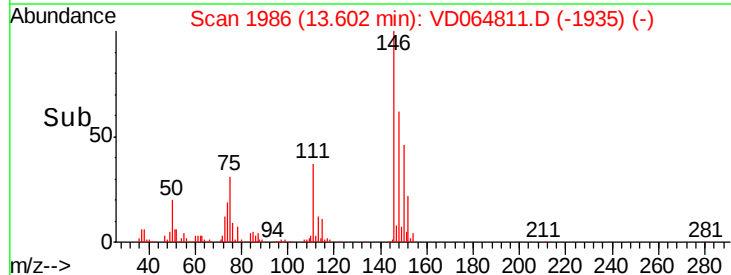
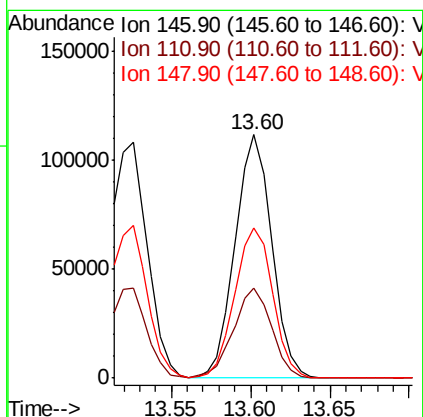
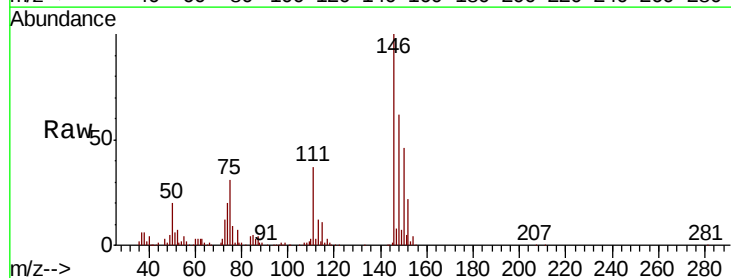
Instrument :
 MSVOA_D
 ClientSampleId :

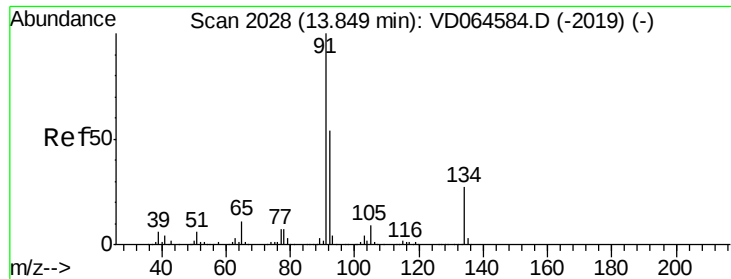
Tot Ion:146 Resp: 181643
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.4
 148 64.0 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 22.210 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Tgt Ion:146 Resp: 179653
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.1 54.1
 148 63.9 32.3 96.9

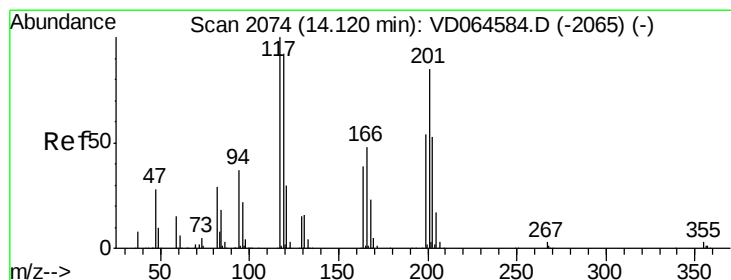
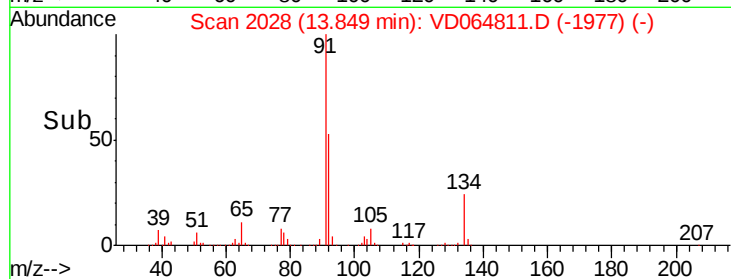
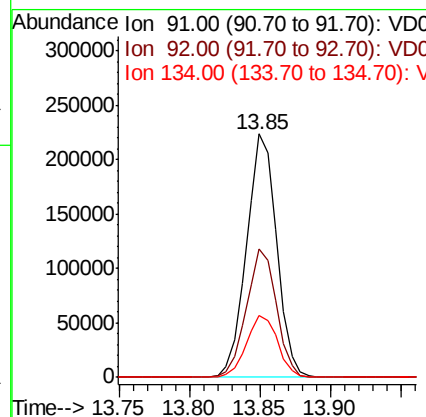
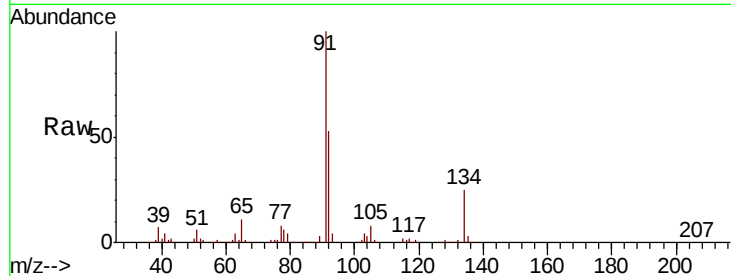




#89
n-Butylbenzene
Concen: 22.620 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

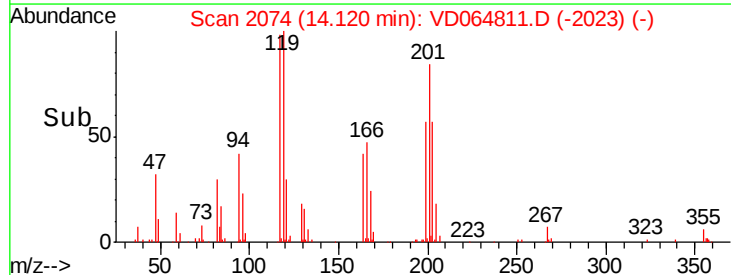
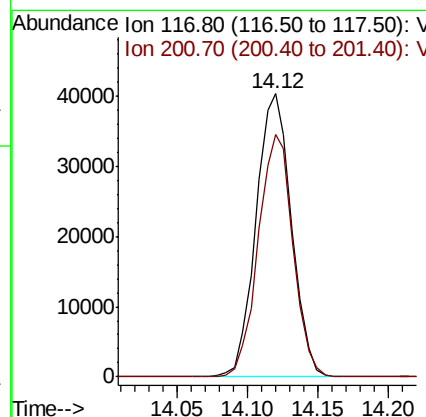
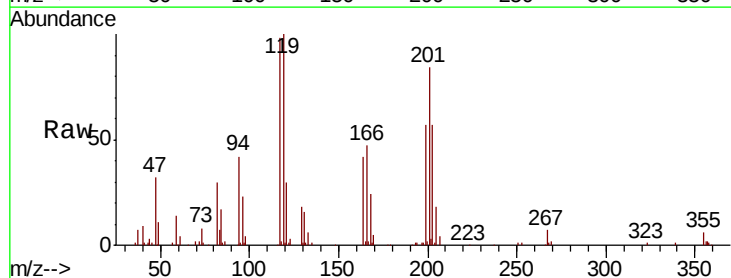
Instrument :
MSVOA_D
ClientSampled :

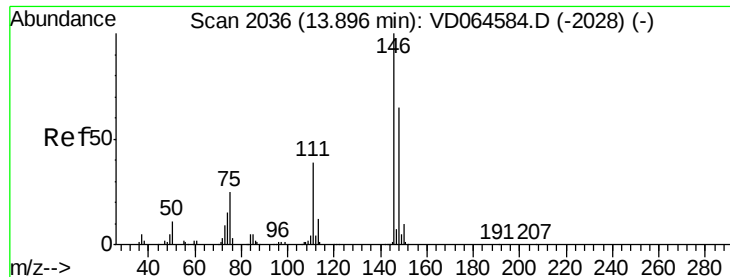
Tot Ion: 91 Resp: 334788
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.4
134 26.3 14.0 41.9



#90
Hexachloroethane
Concen: 22.580 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion: 117 Resp: 70889
Ion Ratio Lower Upper
117 100
201 83.9 44.0 131.8

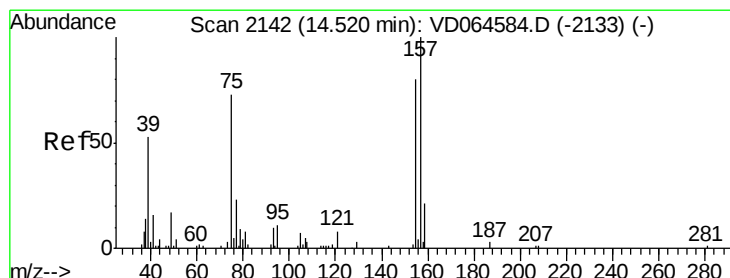
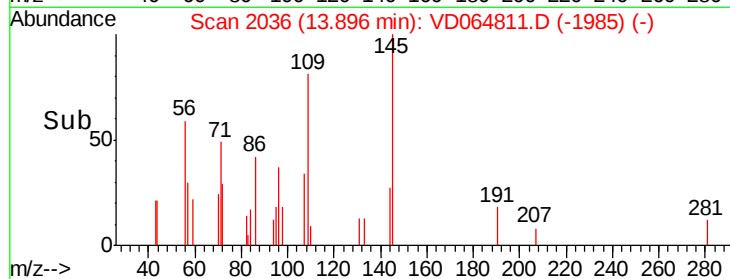
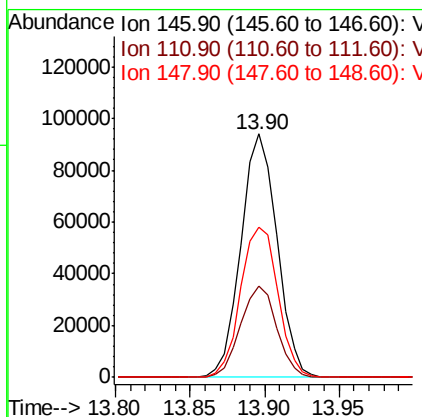
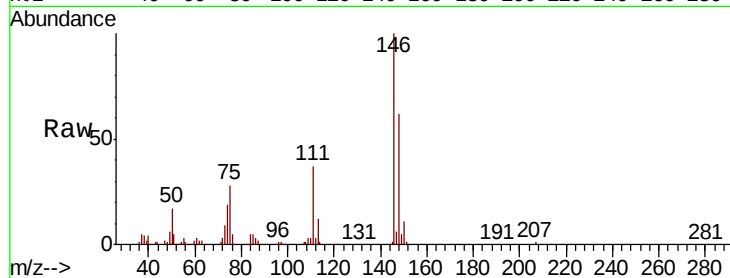




#91
 1,2-Dichlorobenzene
 Concen: 22.485 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

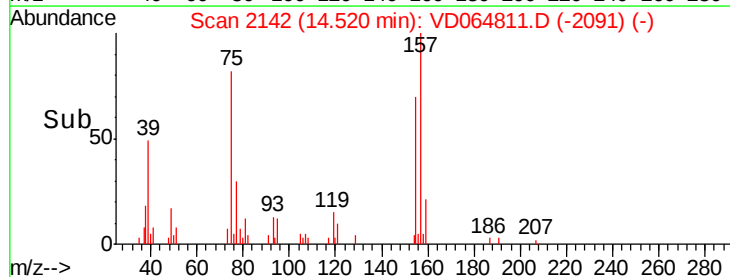
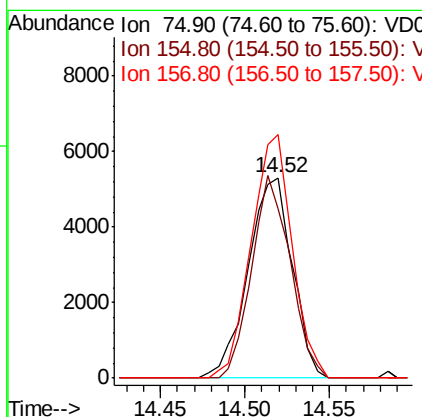
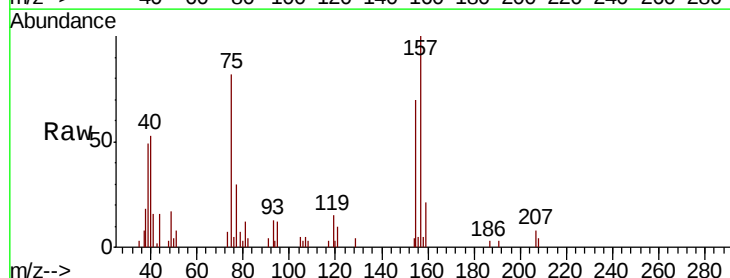
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.3	57.9
148	63.9	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.577 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	48.0	144.0
157	112.7	64.1	192.3

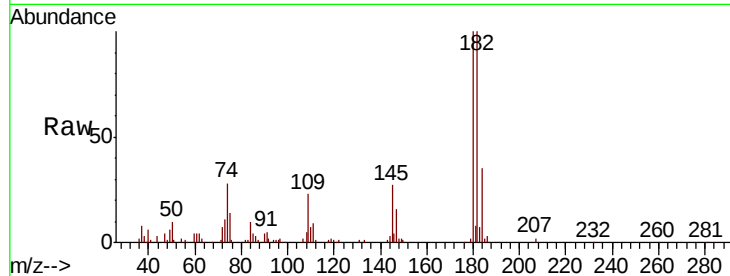




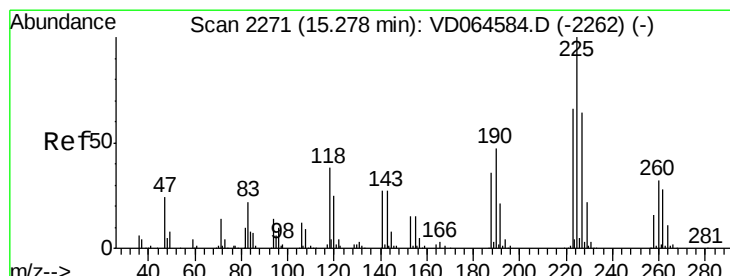
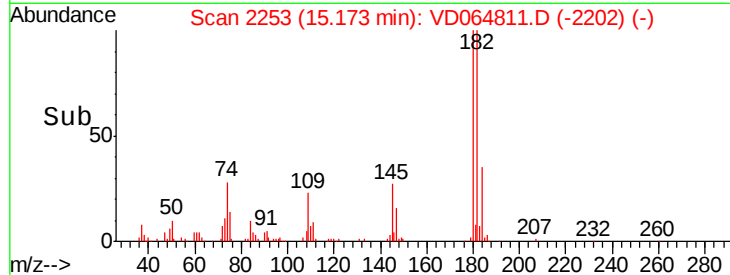
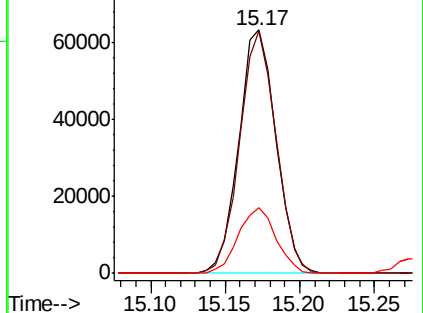
#93
 1,2,4-Trichlorobenzene
 Concen: 21.121 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.0	144.2
145	27.7	13.8	41.4

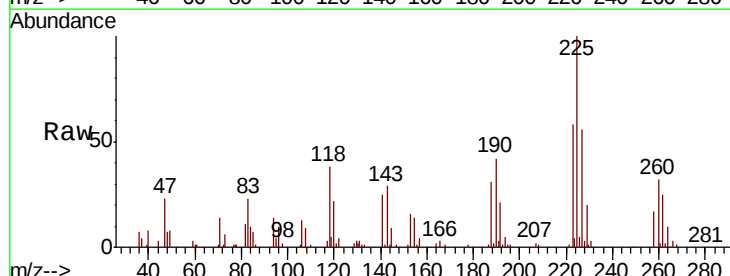


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

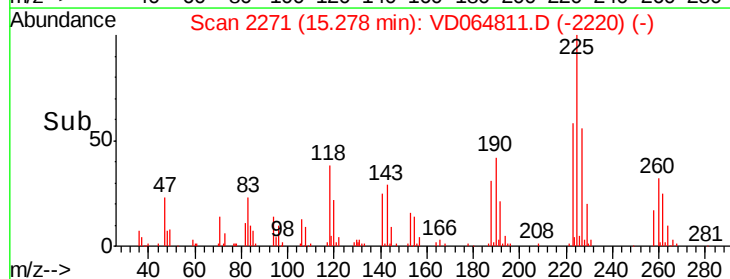
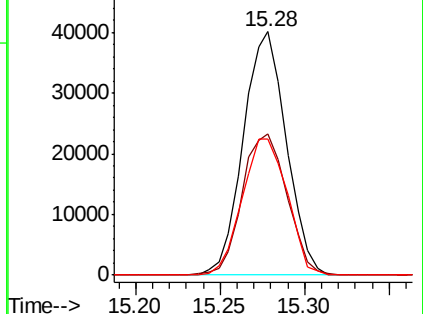


#94
 Hexachlorobutadiene
 Concen: 21.833 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064811.D
 Acq: 09 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.1	93.2
227	58.6	30.9	92.7



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

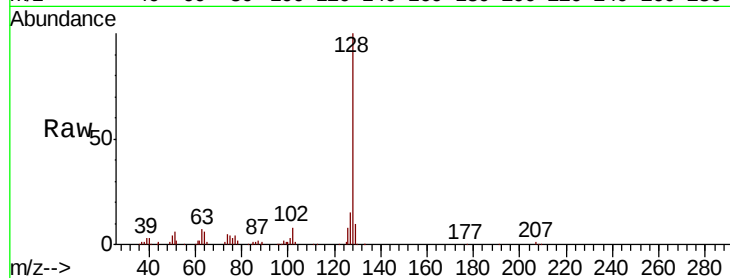




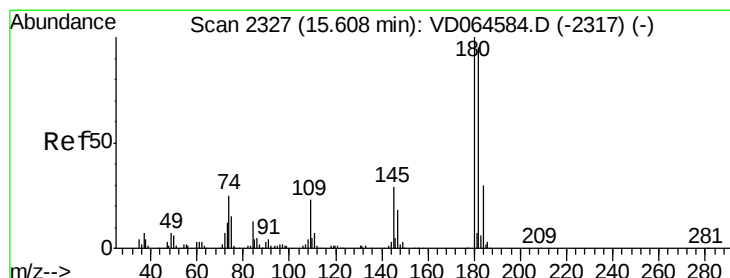
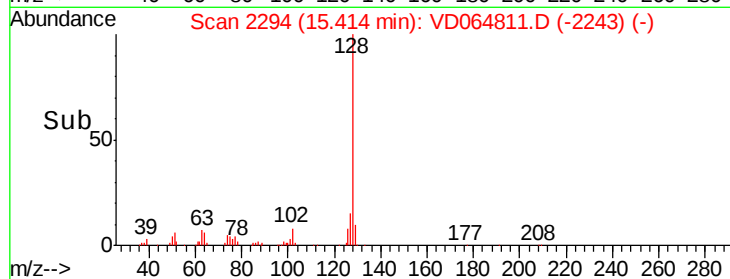
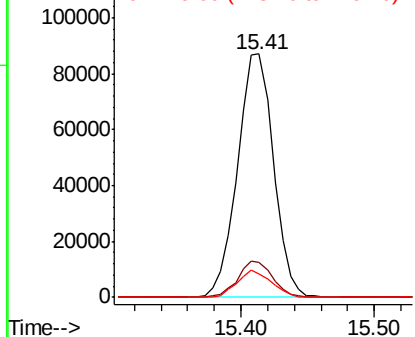
#95
Naphthalene
Concen: 19.890 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 162675
Ion Ratio Lower Upper
128 100
127 14.4 10.3 15.5
129 10.7 8.5 12.7

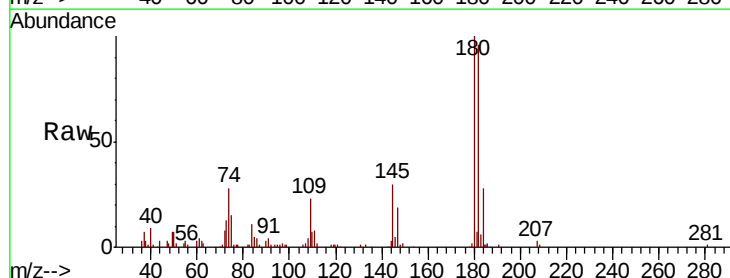


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.831 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064811.D
Acq: 09 Jan 2020 12:28

Tgt Ion:180 Resp: 91936
Ion Ratio Lower Upper
180 100
182 98.0 47.9 143.7
145 30.2 14.9 44.7



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

