

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064881.D
 Acq On : 20 Jan 2020 10:50
 Operator : VA/SY
 Sample : VD0120SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 21 04:07:22 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	372310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	533523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	457220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	161168	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.92	113	170075	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.34	98	646765	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.64	95	199790	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58946	20.373	ug/l	99
3) Chloromethane	2.21	50	87195	21.548	ug/l	95
4) Vinyl Chloride	2.36	62	103034	20.883	ug/l	97
5) Bromomethane	2.77	94	71303	19.876	ug/l	97
6) Chloroethane	2.93	64	70901	21.446	ug/l	97
7) Trichlorofluoromethane	3.27	101	174056	20.952	ug/l	96
8) Diethyl Ether	3.70	74	31711	19.222	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	80127	23.289	ug/l	98
10) Methyl Iodide	4.30	142	79034	21.386	ug/l	99
11) Tert butyl alcohol	5.24	59	20244	107.595	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	76213	23.267	ug/l	90
13) Acrolein	3.92	56	14561	55.531	ug/l	88
14) Allyl chloride	4.71	41	114605	22.441	ug/l	98
15) Acrylonitrile	5.43	53	64568	93.964	ug/l	99
16) Acetone	4.17	43	67202	92.934	ug/l	96
17) Carbon Disulfide	4.40	76	223893	21.139	ug/l	100
18) Methyl Acetate	4.72	43	32094	17.364	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	142193	19.544	ug/l	94
20) Methylene Chloride	4.97	84	100569	27.781	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	85124	22.819	ug/l	99
22) Diisopropyl ether	6.37	45	218311	21.432	ug/l	95
23) Vinyl Acetate	6.31	43	558371	96.633	ug/l	98
24) 1,1-Dichloroethane	6.27	63	142619	23.322	ug/l	97
25) 2-Butanone	7.23	43	82509	91.431	ug/l	92
26) 2,2-Dichloropropane	7.21	77	135194	23.778	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	88628	22.015	ug/l	97
28) Bromochloromethane	7.56	49	47474	19.971	ug/l	96
29) Tetrahydrofuran	7.57	42	48282	86.035	ug/l	100
30) Chloroform	7.72	83	146202	22.788	ug/l	98
31) Cyclohexane	7.98	56	135108	22.072	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	141913	23.550	ug/l	98
36) 1,1-Dichloropropene	8.11	75	119015	23.177	ug/l	99
37) Ethyl Acetate	7.30	43	37275	18.477	ug/l	98
38) Carbon Tetrachloride	8.10	117	132041	24.115	ug/l	97

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Quant Time: Jan 21 04:07:22 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	140301	22.558	ug/l	94
40) Benzene	8.36	78	318881	22.747	ug/l	99
41) Methacrylonitrile	7.53	41	23514	20.089	ug/l	99
42) 1,2-Dichloroethane	8.43	62	87504	21.601	ug/l	96
43) Isopropyl Acetate	8.46	43	73426	18.286	ug/l	96
44) Trichloroethene	9.11	130	93158	22.621	ug/l	99
45) 1,2-Dichloropropane	9.39	63	76945	22.989	ug/l	100
46) Dibromomethane	9.48	93	38346	20.549	ug/l	100
47) Bromodichloromethane	9.67	83	111215	22.397	ug/l	96
48) Methyl methacrylate	9.46	41	36615	19.366	ug/l	98
49) 1,4-Dioxane	9.47	88	7388	343.349	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	176047	88.702	ug/l	100
52) Toluene	10.41	92	208233	22.641	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	95275	20.580	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	116987	21.430	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	50398	20.040	ug/l	97
56) Ethyl methacrylate	10.67	69	56219	17.900	ug/l	97
57) 1,3-Dichloropropane	10.95	76	89100	20.577	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	119774	100.094	ug/l	100
59) 2-Hexanone	10.99	43	121886	90.483	ug/l	96
60) Dibromochloromethane	11.14	129	69825	20.078	ug/l	99
61) 1,2-Dibromoethane	11.25	107	47378	19.100	ug/l	99
64) Tetrachloroethene	10.88	164	80754	23.022	ug/l	97
65) Chlorobenzene	11.67	112	217444	22.914	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	80019	22.368	ug/l	98
67) Ethyl Benzene	11.75	91	391734	22.743	ug/l	99
68) m/p-Xylenes	11.86	106	297864	44.804	ug/l	96
69) o-Xylene	12.19	106	129765	21.610	ug/l	99
70) Styrene	12.20	104	228218	21.652	ug/l	98
71) Bromoform	12.37	173	38822	19.029	ug/l #	94
73) Isopropylbenzene	12.48	105	370051	23.215	ug/l	99
74) N-amyl acetate	12.30	43	64348	18.884	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	49656	19.830	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	69161	39.264	ug/l #	100
77) Bromobenzene	12.77	156	86575	22.104	ug/l	98
78) n-propylbenzene	12.83	91	442064	23.771	ug/l	99
79) 2-Chlorotoluene	12.91	91	243469	23.833	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	302779	23.123	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	15985	18.980	ug/l	93
82) 4-Chlorotoluene	13.01	91	252905	23.263	ug/l	100
83) tert-Butylbenzene	13.23	119	261496	23.001	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	300526	23.045	ug/l	100
85) sec-Butylbenzene	13.41	105	366682	23.526	ug/l	98
86) p-Isopropyltoluene	13.53	119	341553	22.918	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	167600	22.446	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	163985	22.356	ug/l	99
89) n-Butylbenzene	13.86	91	316624	23.591	ug/l	98
90) Hexachloroethane	14.12	117	66042	23.198	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	139673	21.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7694	18.954	ug/l	89

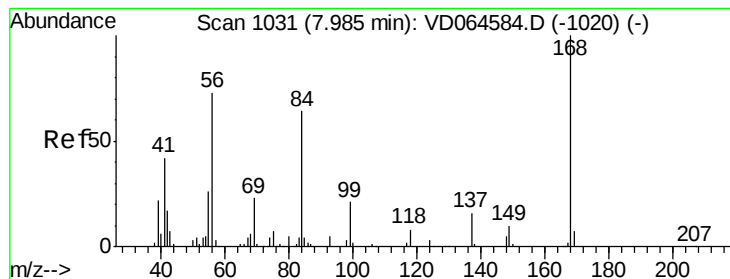
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97178	20.729	ug/l	99
94) Hexachlorobutadiene	15.28	225	65658	22.257	ug/l	98
95) Naphthalene	15.41	128	129272	17.430	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	80783	20.185	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

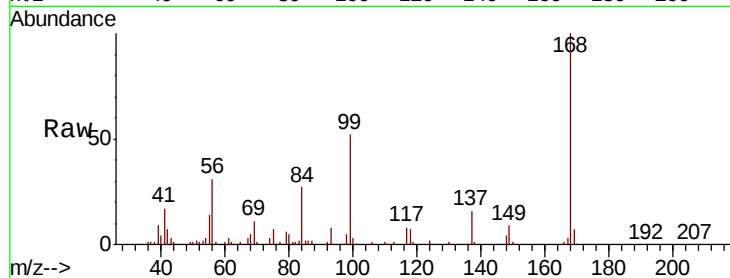
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 372310

Ion Ratio Lower Upper

168 100

99 52.0 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

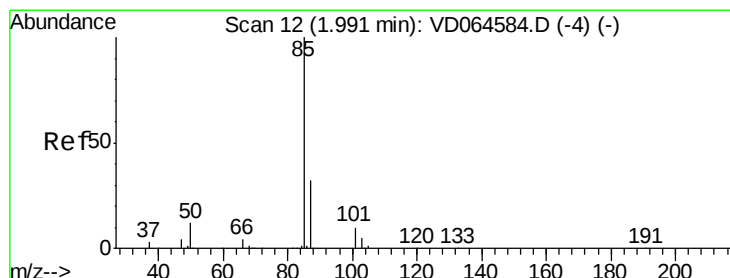
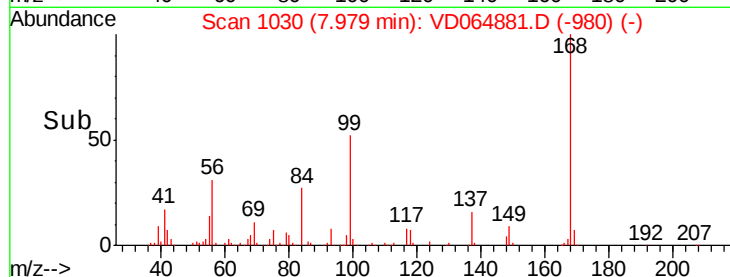
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.373 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064881.D

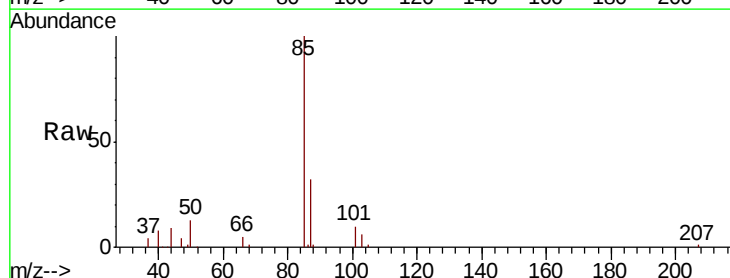
Acq: 20 Jan 2020 10:50

Tgt Ion: 85 Resp: 58946

Ion Ratio Lower Upper

85 100

87 31.5 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

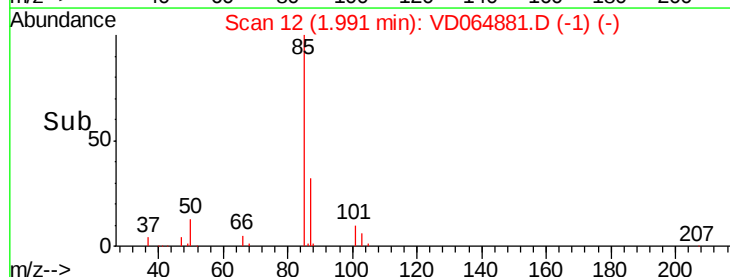
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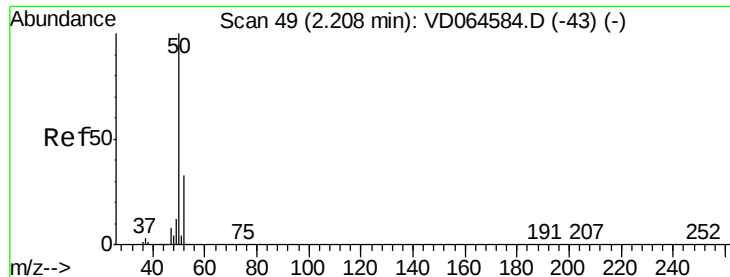
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.548 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

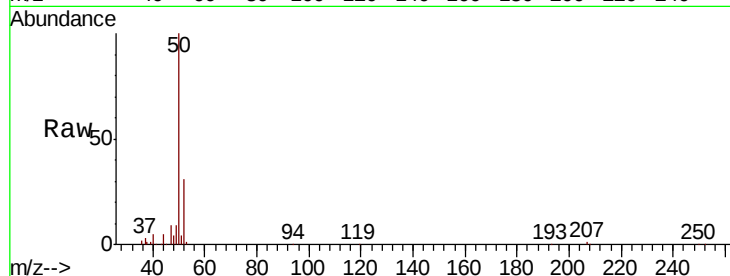
ClientSampleId :

Tot Ion: 50 Resp: 87195

Ion Ratio Lower Upper

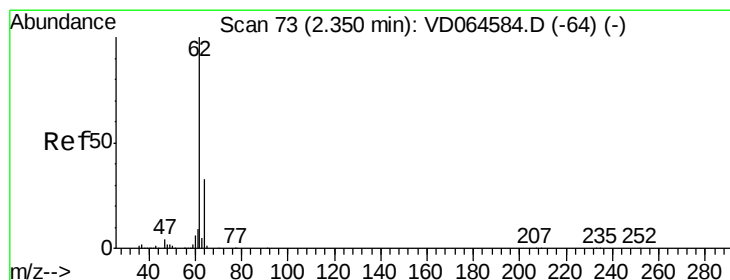
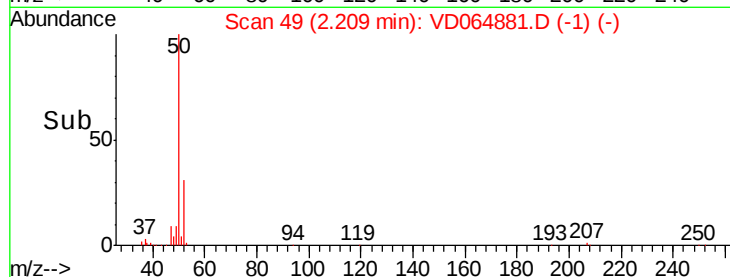
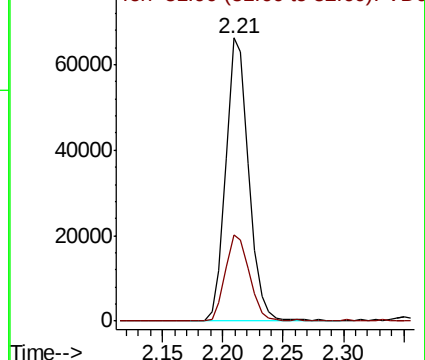
50 100

52 30.5 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.883 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064881.D

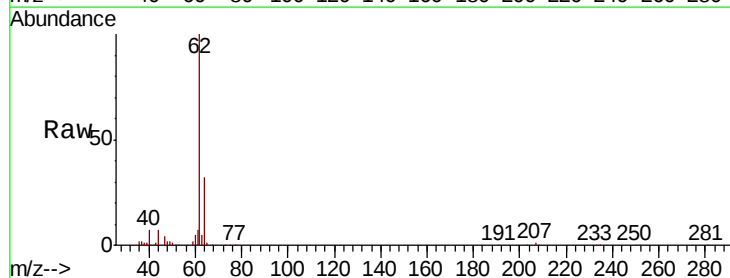
Acq: 20 Jan 2020 10:50

Tgt Ion: 62 Resp: 103034

Ion Ratio Lower Upper

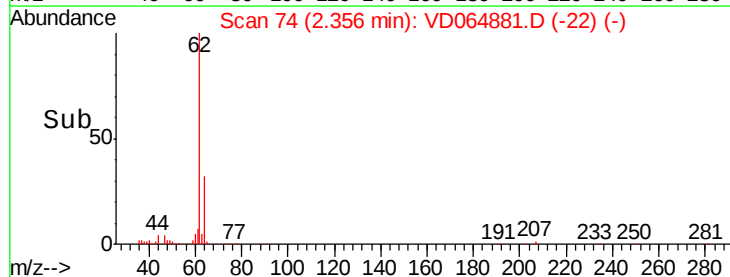
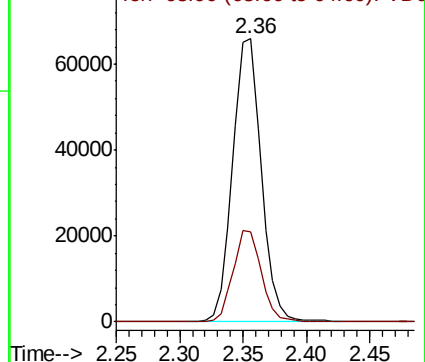
62 100

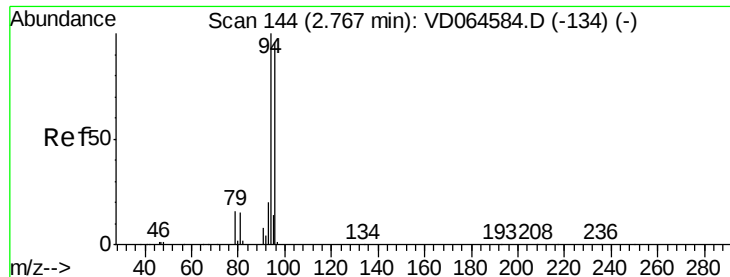
64 31.8 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.876 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

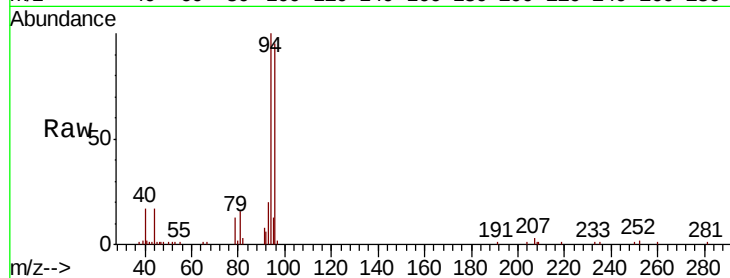
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 71303

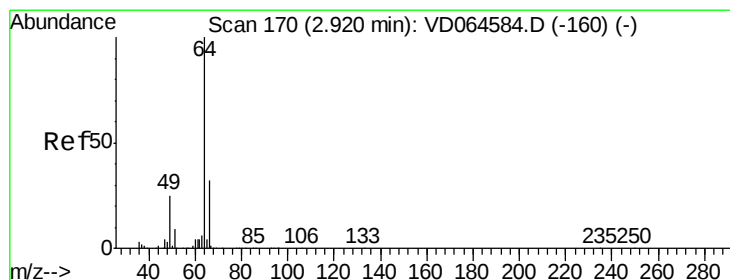
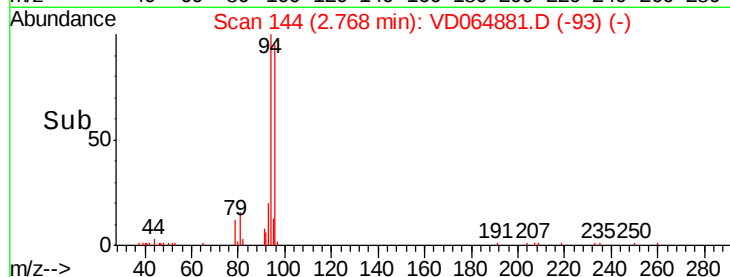
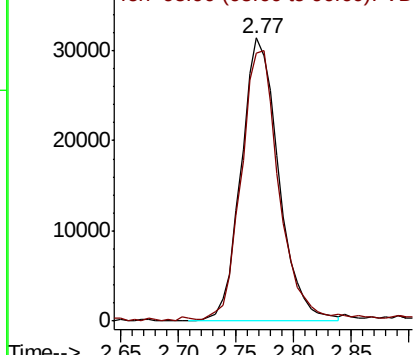
Ion Ratio Lower Upper

94 100

96 93.3 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.446 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064881.D

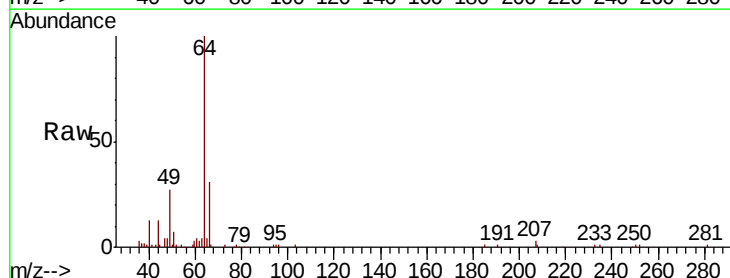
Acq: 20 Jan 2020 10:50

Tgt Ion: 64 Resp: 70901

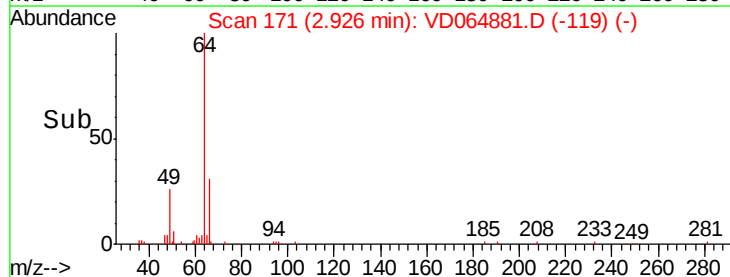
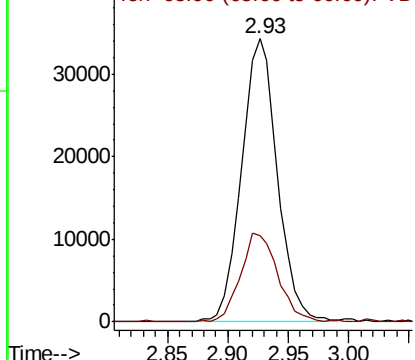
Ion Ratio Lower Upper

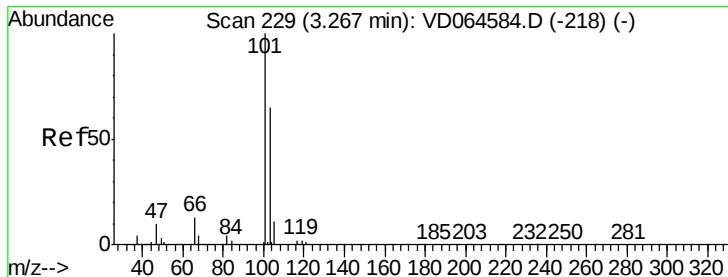
64 100

66 30.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



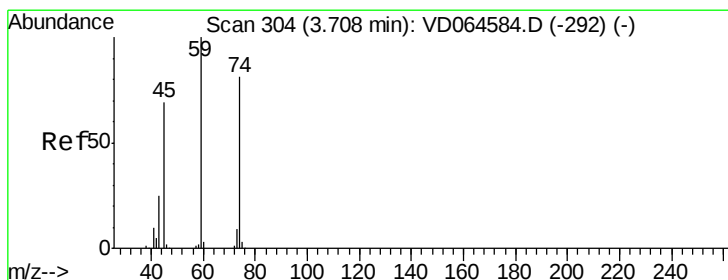
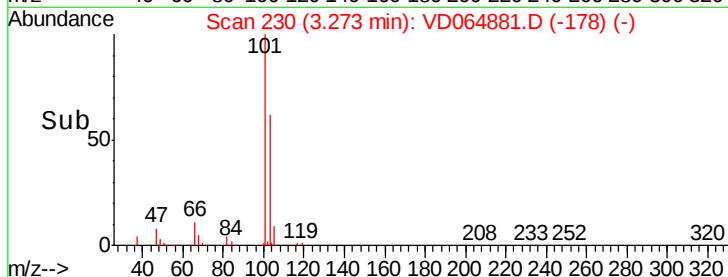
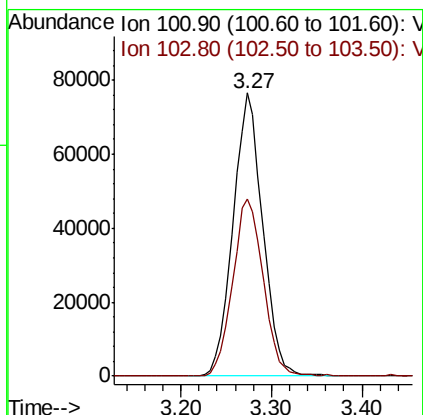
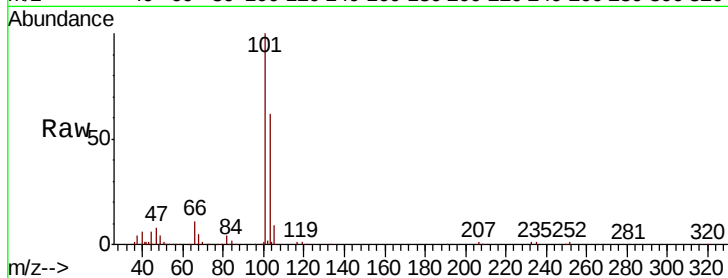


#7

Trichlorofluoromethane
 Concen: 20.952 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :

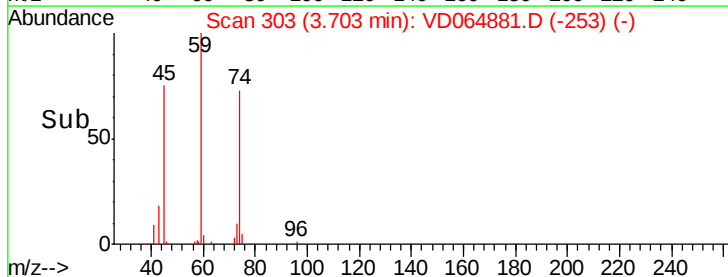
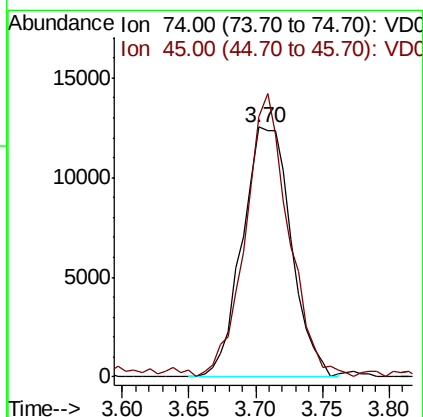
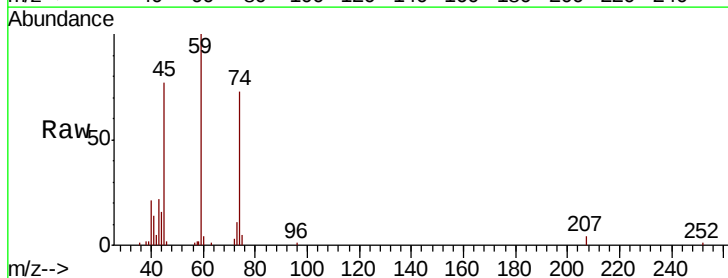
Tot Ion:101 Resp: 174056
 Ion Ratio Lower Upper
 101 100
 103 62.4 52.2 78.4

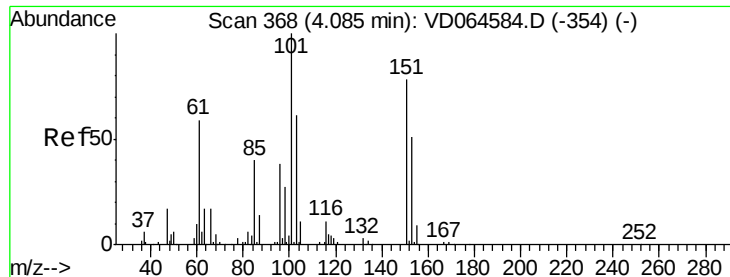


#8

Diethyl Ether
 Concen: 19.222 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion: 74 Resp: 31711
 Ion Ratio Lower Upper
 74 100
 45 100.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.289 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

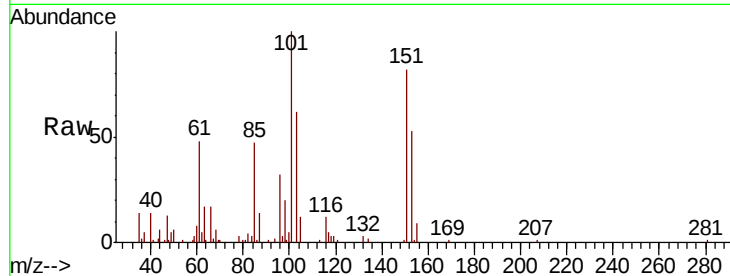
Tot Ion:101 Resp: 80127

Ion Ratio Lower Upper

101 100

85 46.8 35.2 52.8

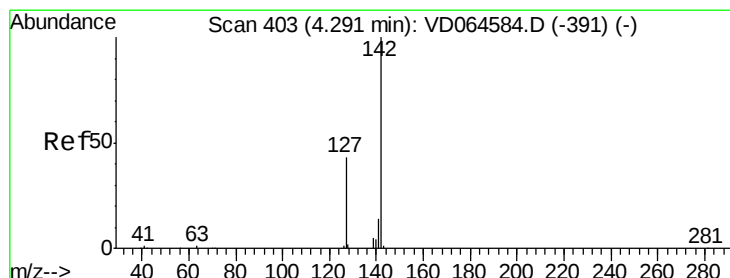
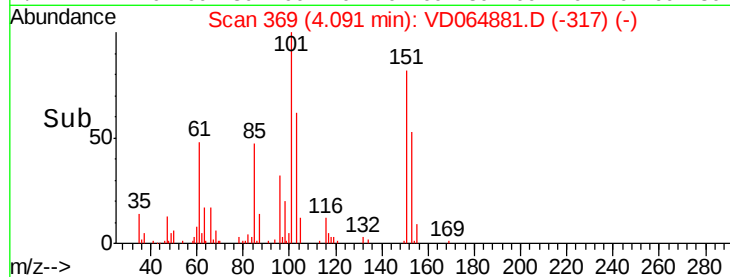
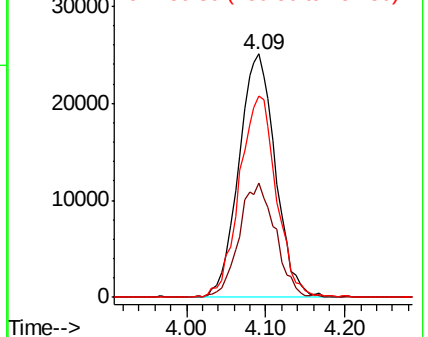
151 83.7 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VD

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.386 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

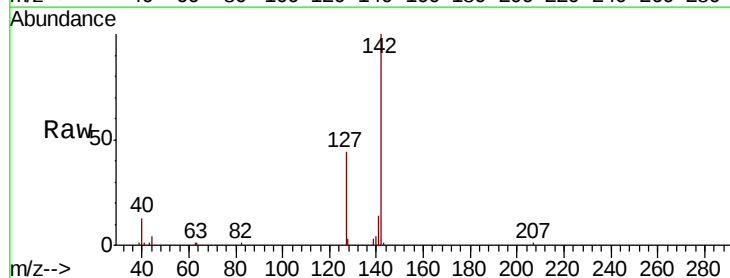
Tgt Ion:142 Resp: 79034

Ion Ratio Lower Upper

142 100

127 45.8 36.2 54.4

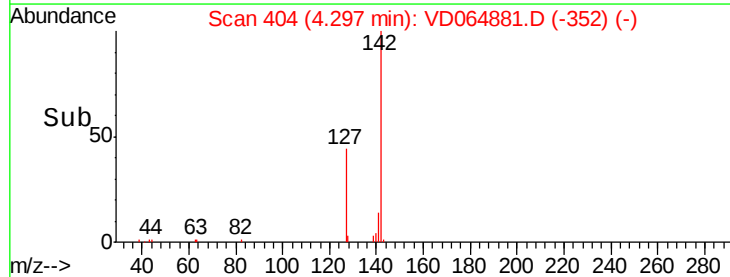
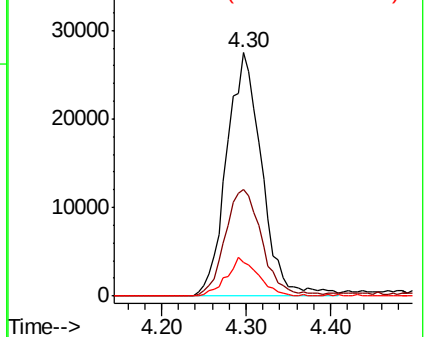
141 14.1 11.8 17.8

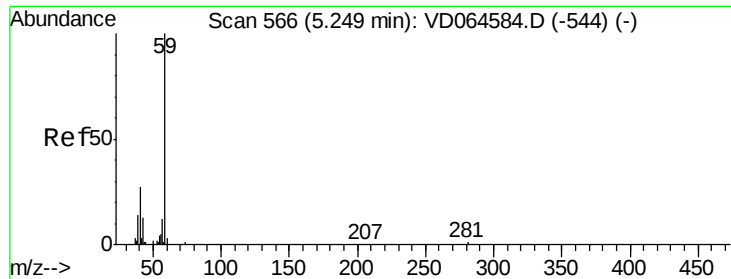


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



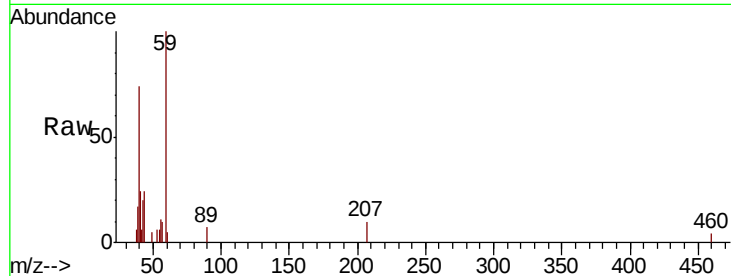


#11

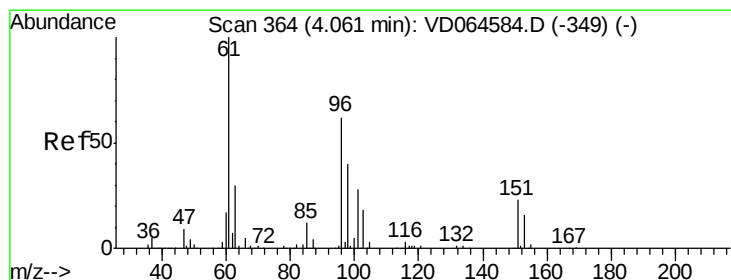
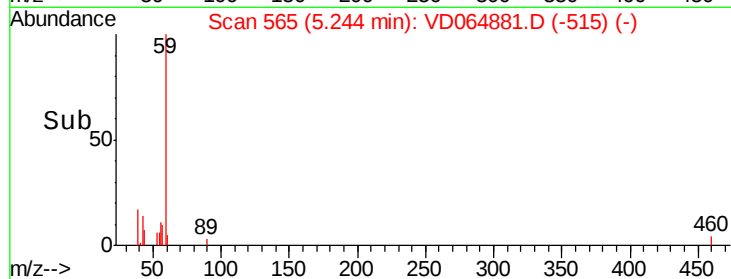
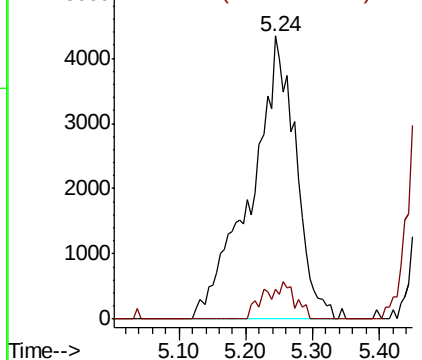
Tert butyl alcohol
 Concen: 107.595 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 20244
 Ion Ratio Lower Upper
 59 100
 57 5.7 9.3 13.9#



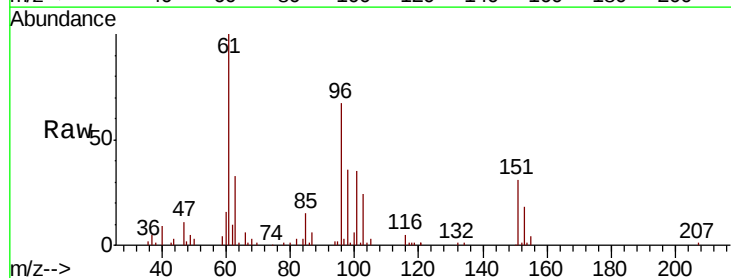
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



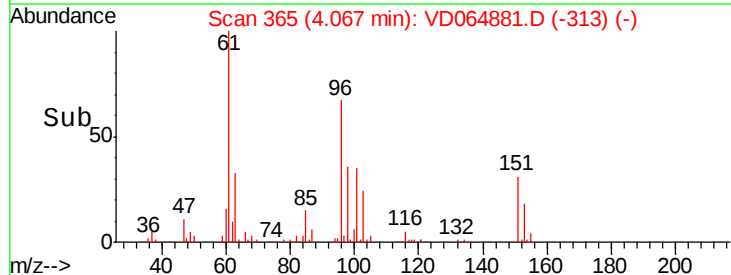
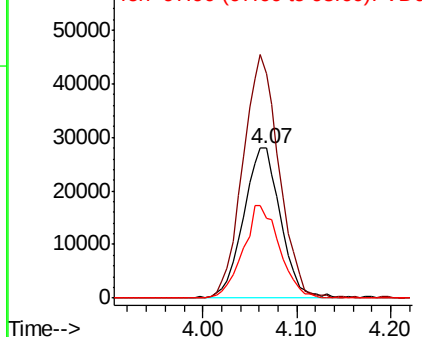
#12

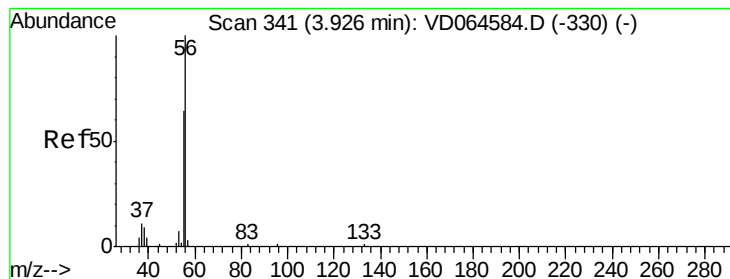
1,1-Dichloroethene
 Concen: 23.267 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion: 96 Resp: 76213
 Ion Ratio Lower Upper
 96 100
 61 149.9 129.4 194.0
 98 53.5 51.4 77.0



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





#13

Acrolein

Concen: 55.531 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

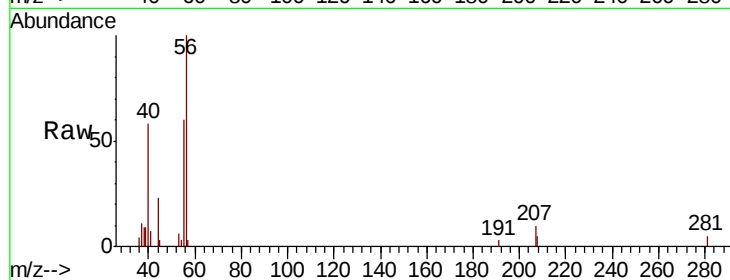
ClientSampleId :

Tot Ion: 56 Resp: 14561

Ion Ratio Lower Upper

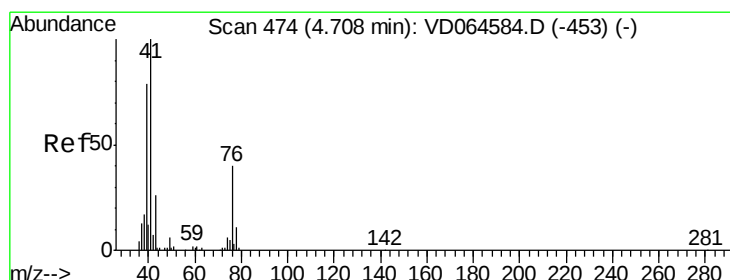
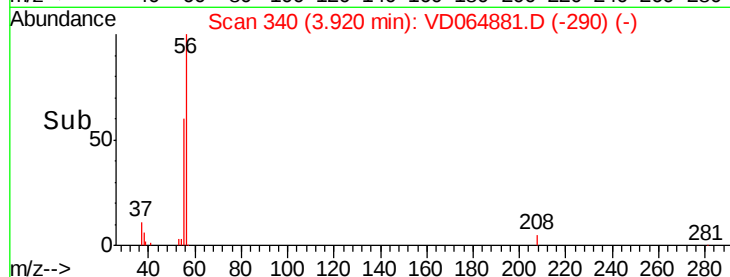
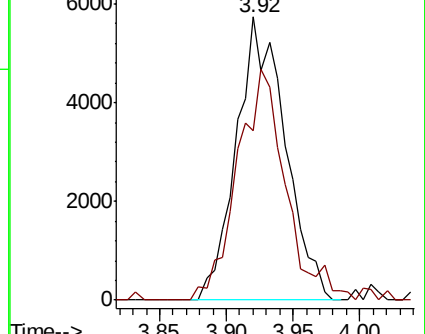
56 100

55 80.4 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.441 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

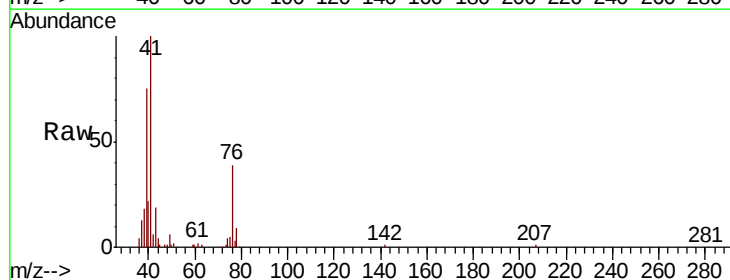
Tgt Ion: 41 Resp: 114605

Ion Ratio Lower Upper

41 100

39 79.5 62.3 93.5

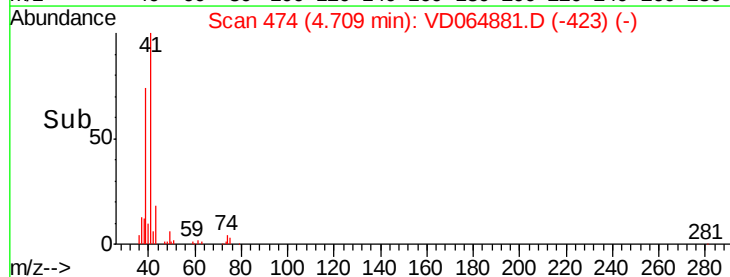
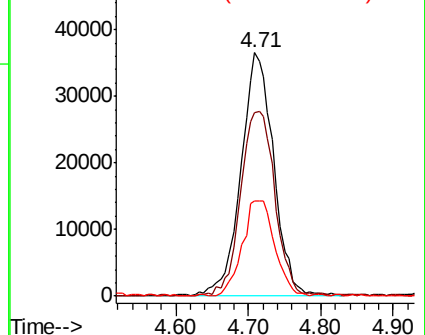
76 38.9 29.7 44.5

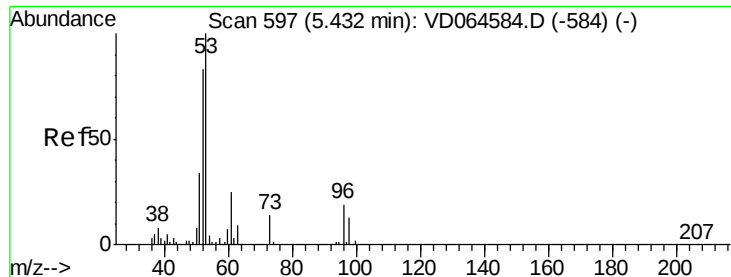


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 93.964 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

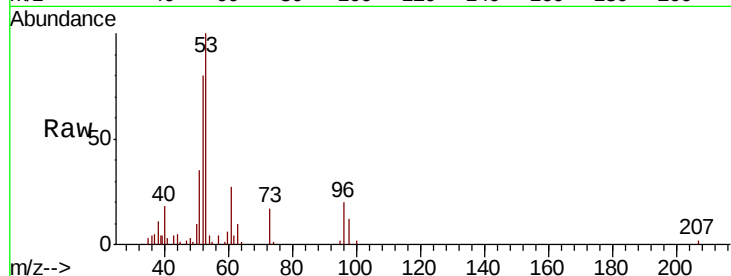
Tot Ion: 53 Resp: 64568

Ion Ratio Lower Upper

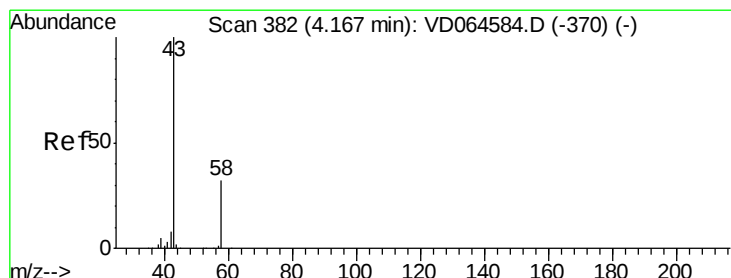
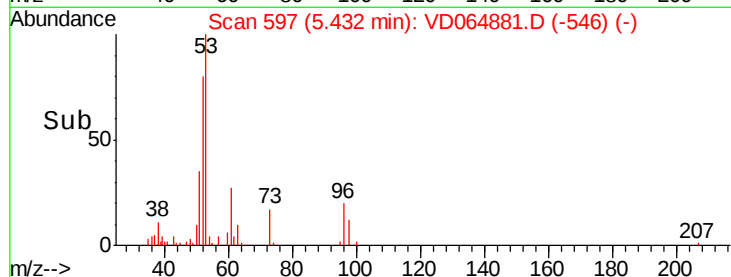
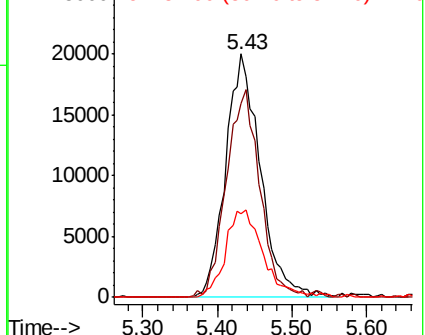
53 100

52 82.2 66.2 99.2

51 38.6 30.1 45.1



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



#16

Acetone

Concen: 92.934 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064881.D

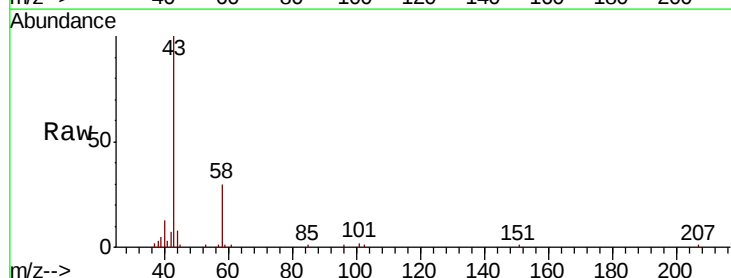
Acq: 20 Jan 2020 10:50

Tgt Ion: 43 Resp: 67202

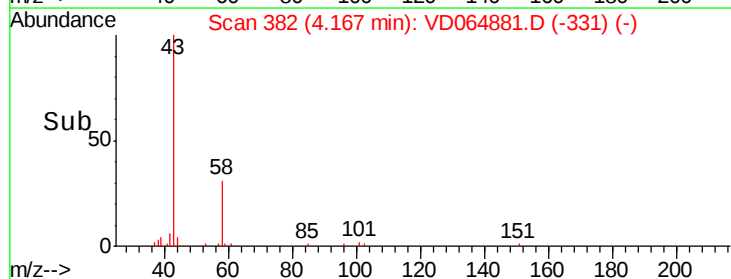
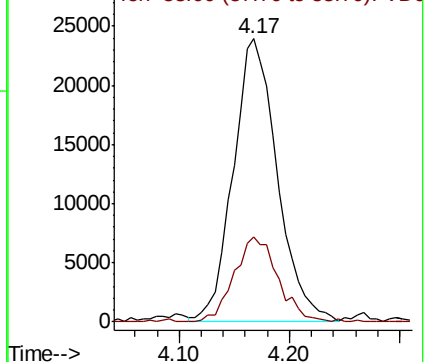
Ion Ratio Lower Upper

43 100

58 30.1 25.8 38.6



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

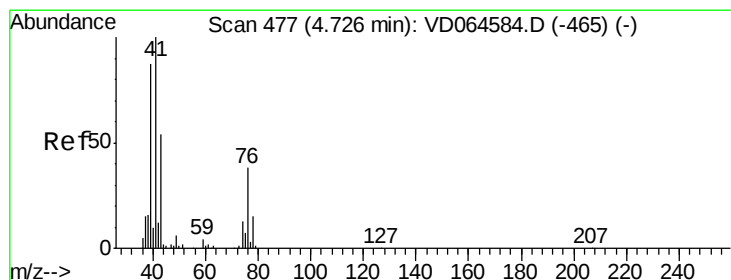
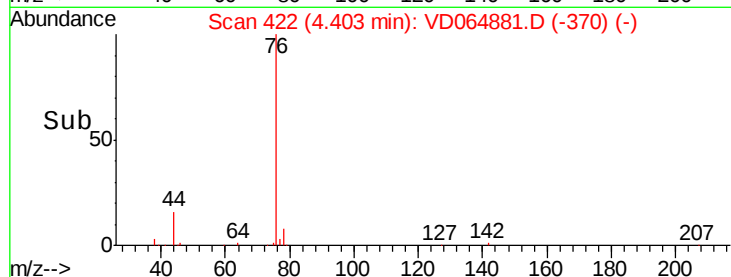
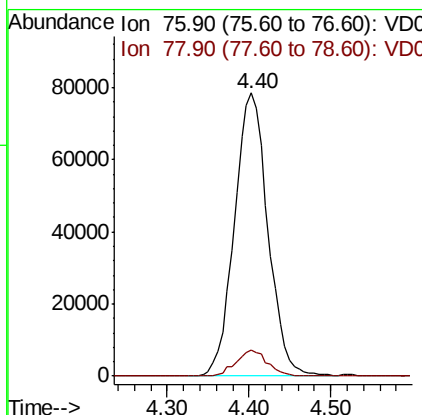
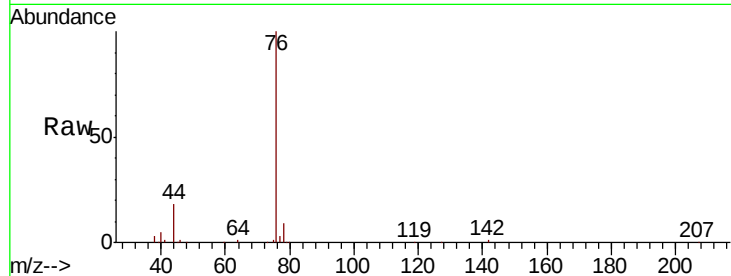




#17
Carbon Disulfide
Concen: 21.139 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

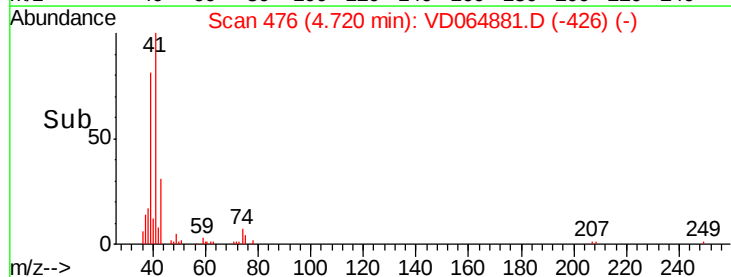
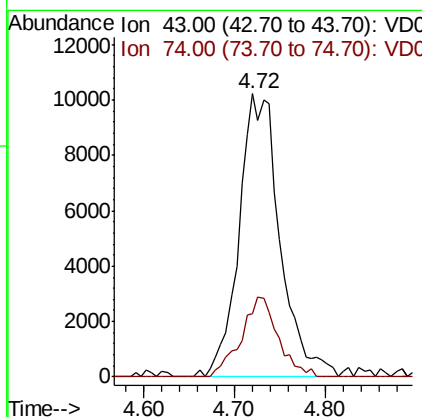
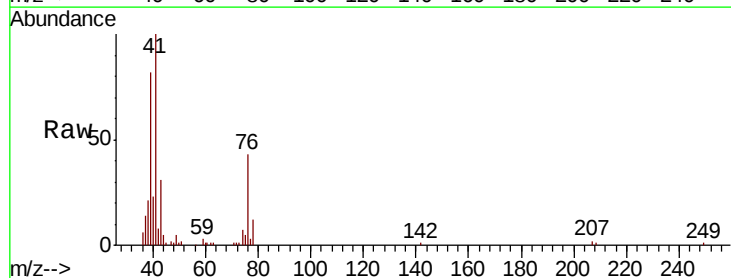
Instrument :
MSVOA_D
ClientSampleId :

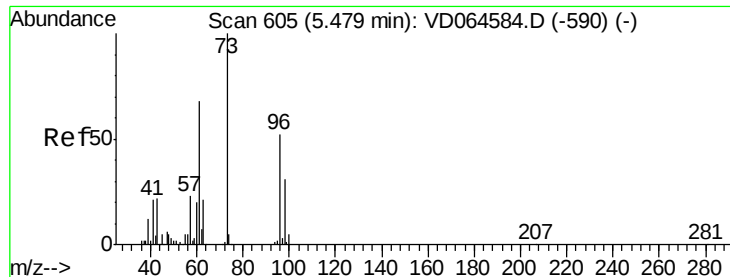
Tot Ion: 76 Resp: 223893
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 17.364 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion: 43 Resp: 32094
Ion Ratio Lower Upper
43 100
74 25.4 19.2 28.8



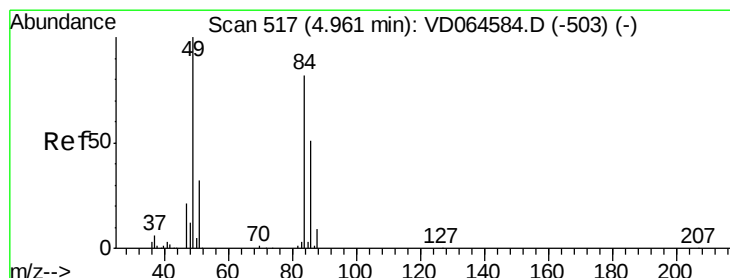
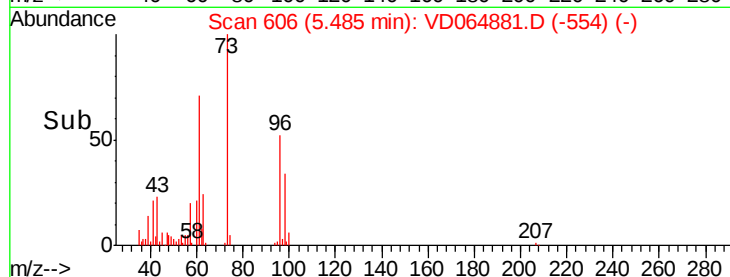
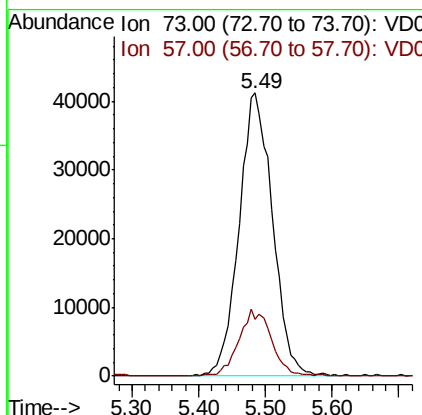
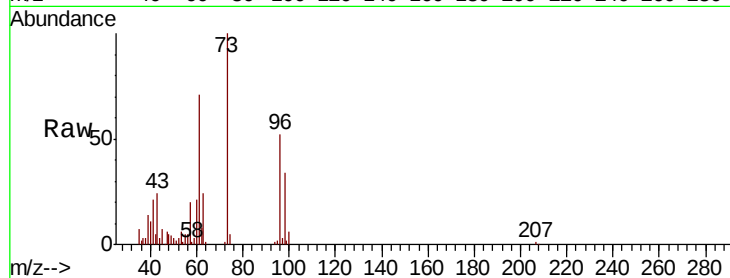


#19

Methyl tert-butyl Ether
 Concen: 19.544 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampled :

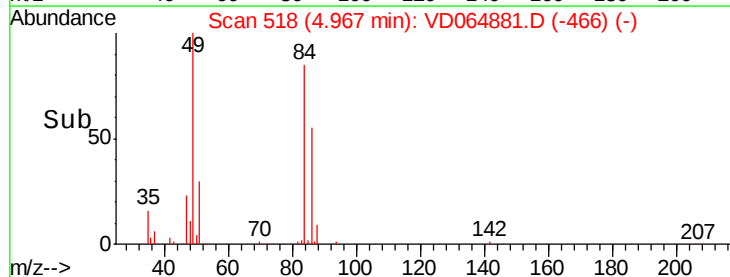
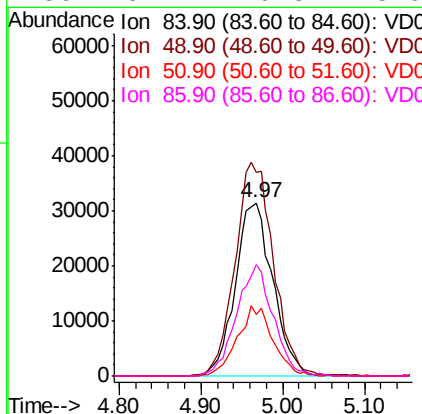
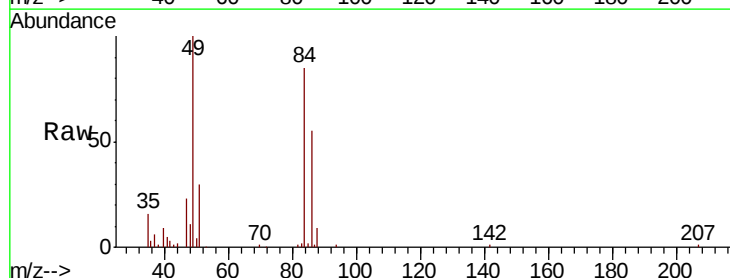
Tot Ion: 73 Resp: 142193
 Ion Ratio Lower Upper
 73 100
 57 20.2 18.6 27.8

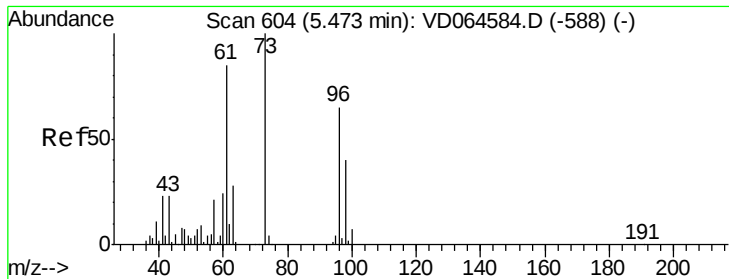


#20

Methylene Chloride
 Concen: 27.781 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion: 84 Resp: 100569
 Ion Ratio Lower Upper
 84 100
 49 118.0 97.2 145.8
 51 35.4 31.4 47.0
 86 64.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.819 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampled :

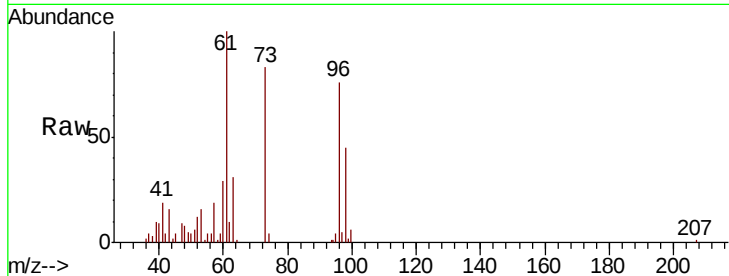
Tot Ion: 96 Resp: 85124

Ion Ratio Lower Upper

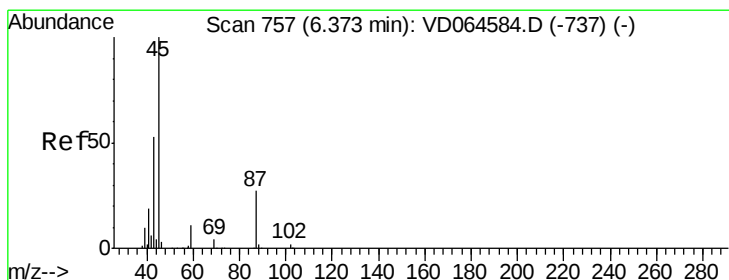
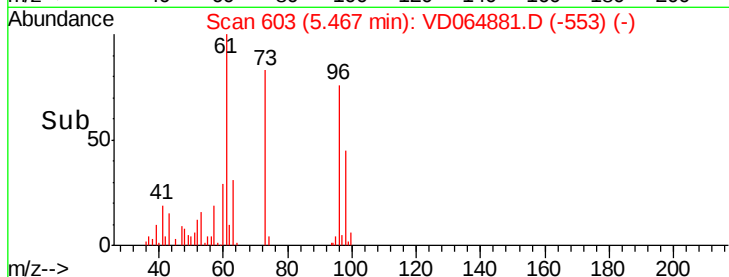
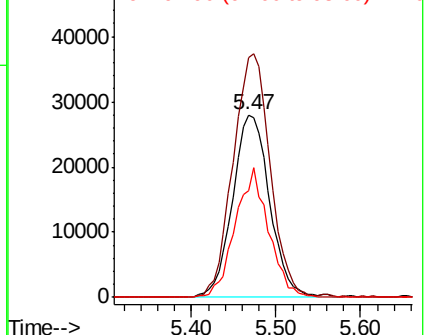
96 100

61 131.0 104.7 157.1

98 58.4 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: 21.432 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Tgt Ion: 45 Resp: 218311

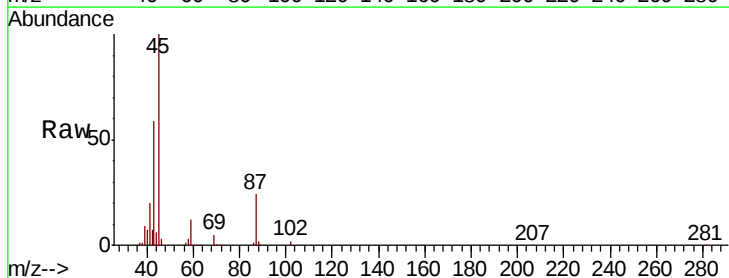
Ion Ratio Lower Upper

45 100

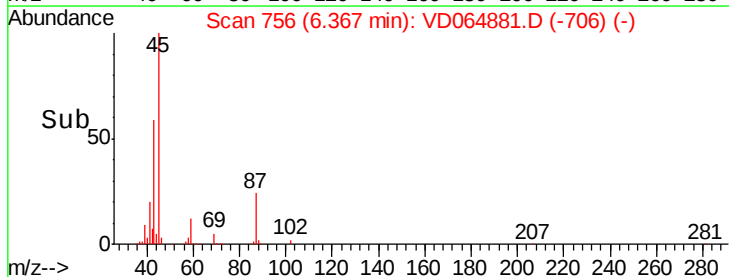
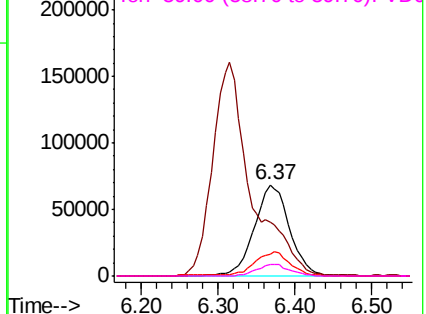
43 57.9 43.2 64.8

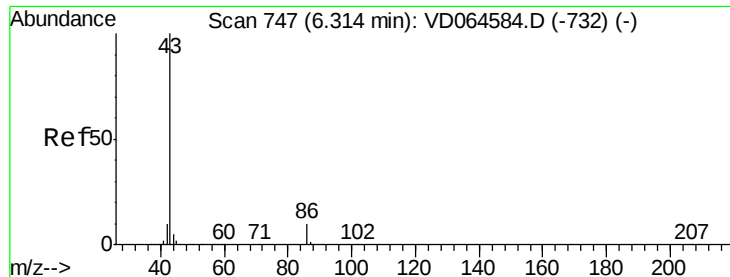
87 24.3 21.9 32.9

59 12.1 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: 96.633 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

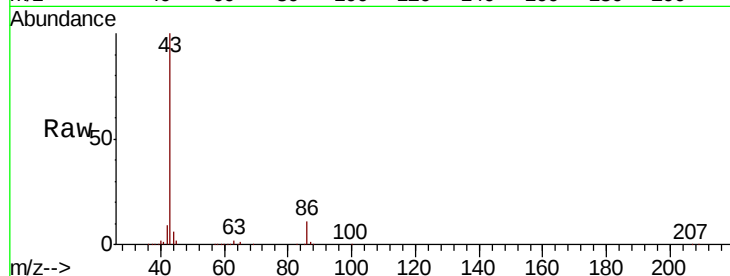
ClientSampleId :

Tot Ion: 43 Resp: 558371

Ion Ratio Lower Upper

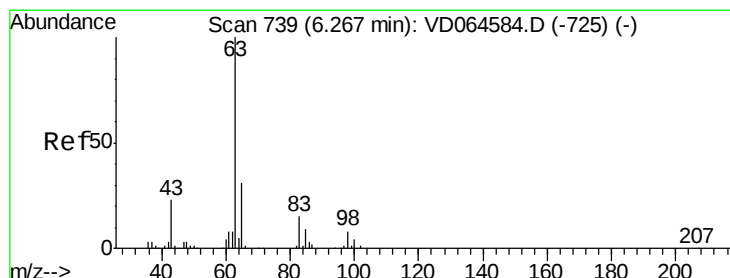
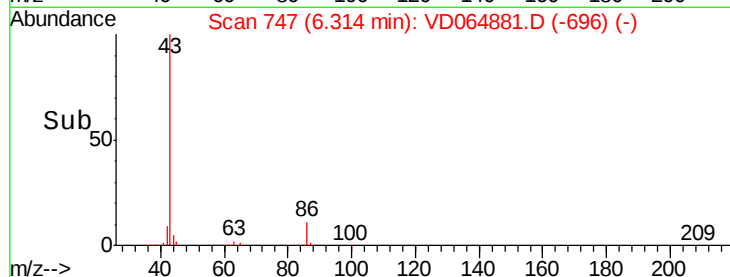
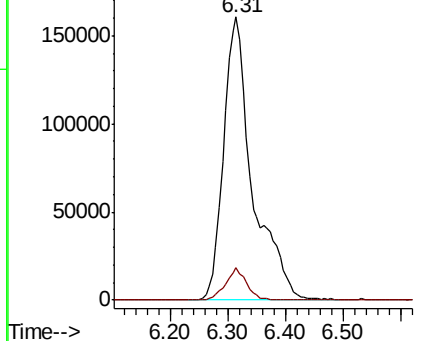
43 100

86 11.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.322 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

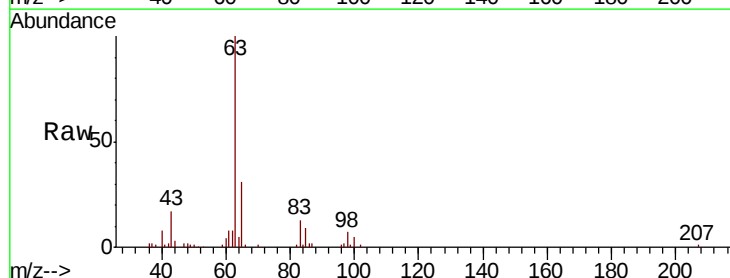
Tgt Ion: 63 Resp: 142619

Ion Ratio Lower Upper

63 100

98 6.9 4.1 12.3

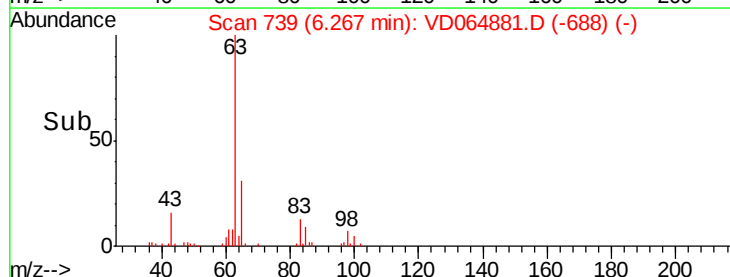
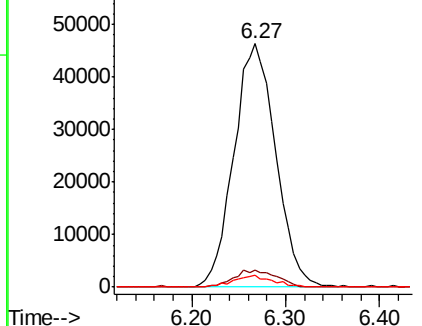
100 5.0 2.2 6.6

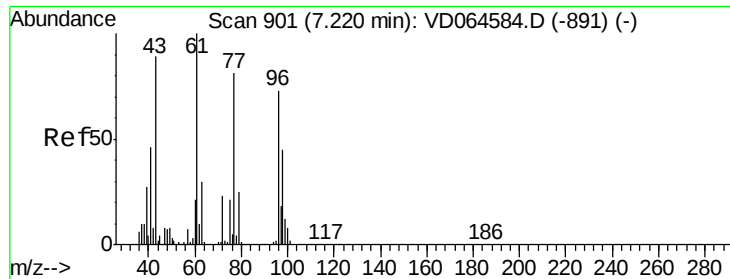


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 91.431 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

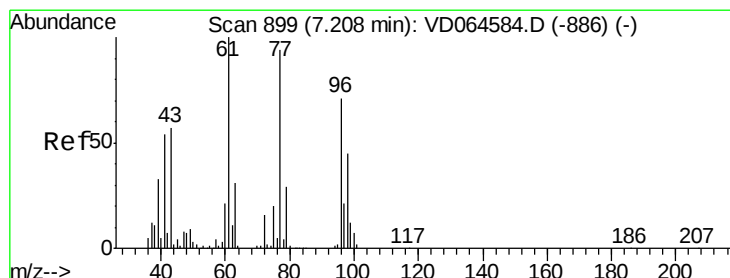
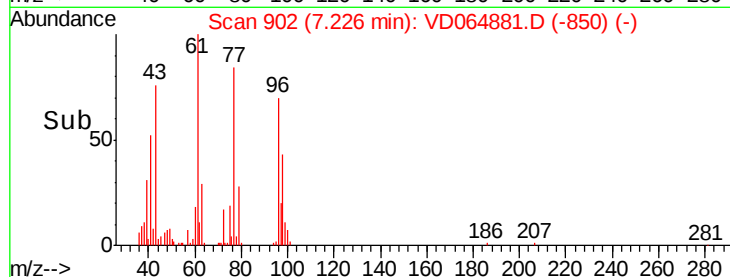
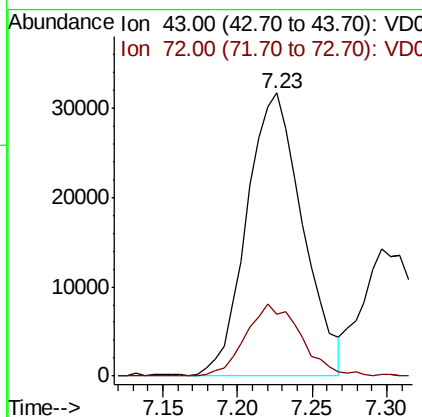
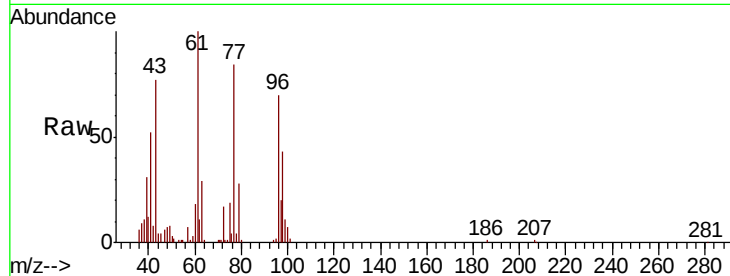
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 82509

Ion Ratio Lower Upper

43 100

72 21.8 20.7 31.1



#26

2,2-Dichloropropane

Concen: 23.778 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064881.D

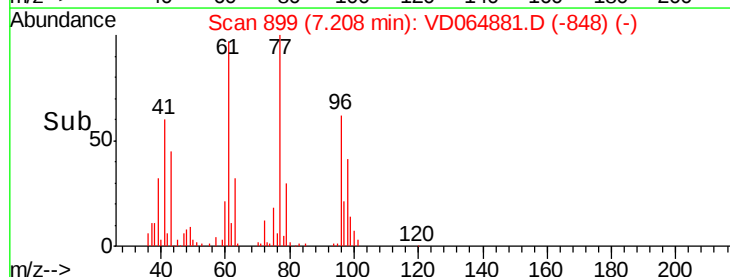
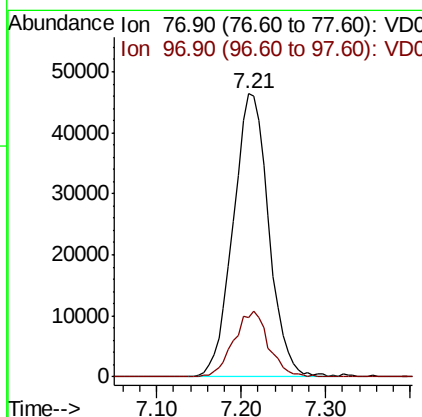
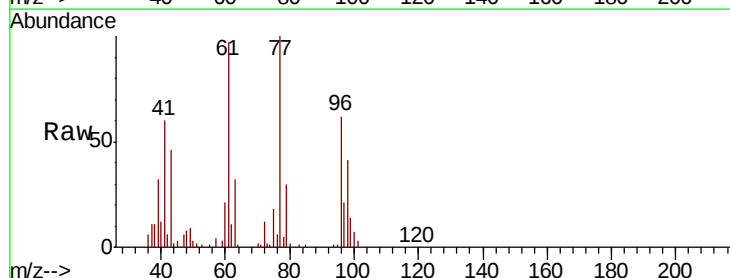
Acq: 20 Jan 2020 10:50

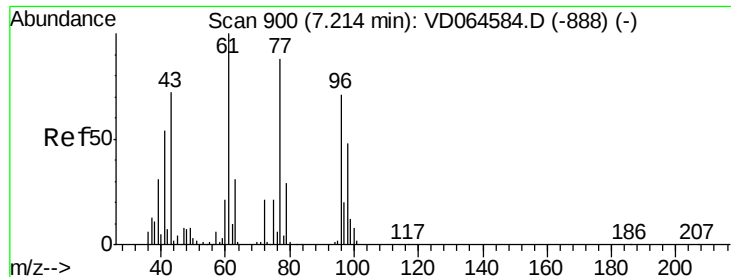
Tgt Ion: 77 Resp: 135194

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6



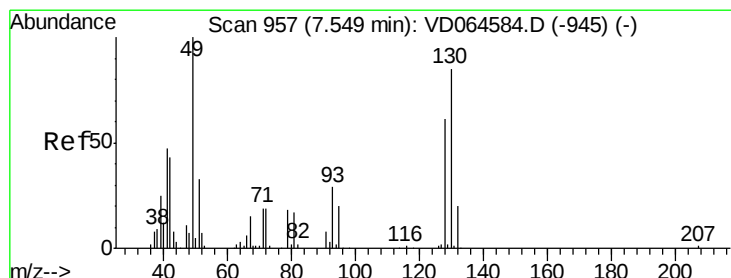
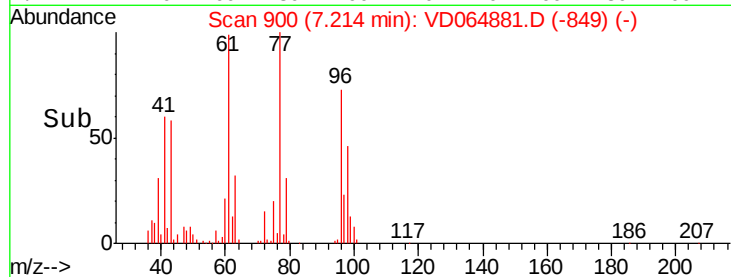
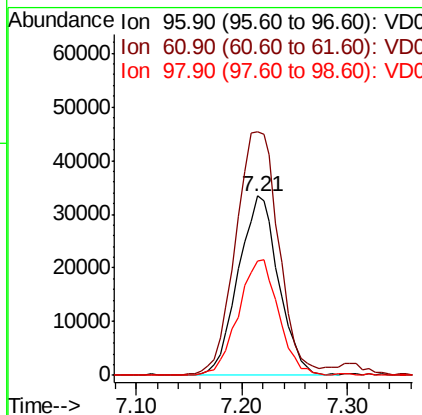
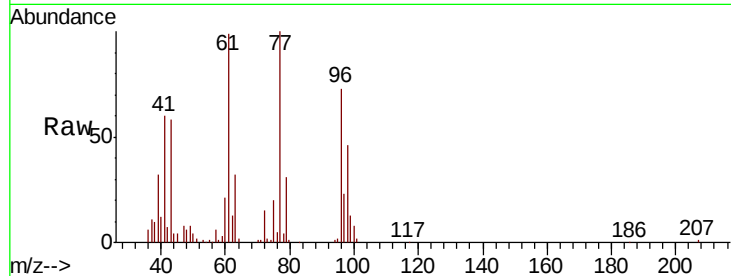


#27

cis-1,2-Dichloroethene
 Concen: 22.015 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampled :

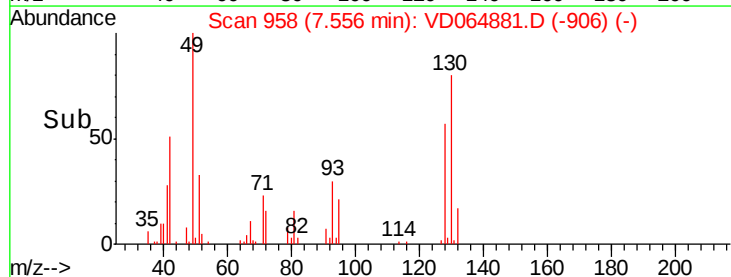
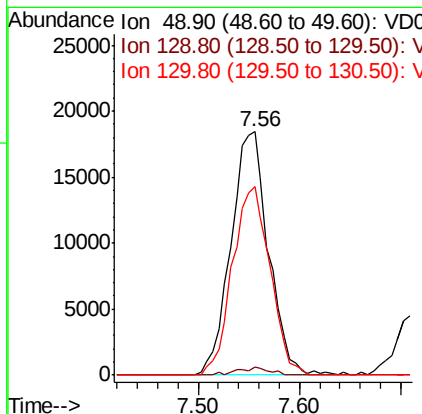
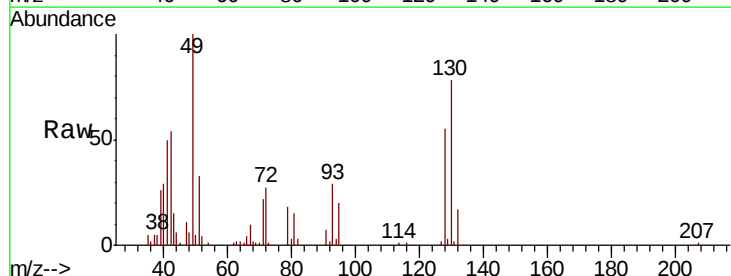
Tot Ion: 96 Resp: 88628
 Ion Ratio Lower Upper
 96 100
 61 145.1 0.0 282.6
 98 64.2 0.0 130.8

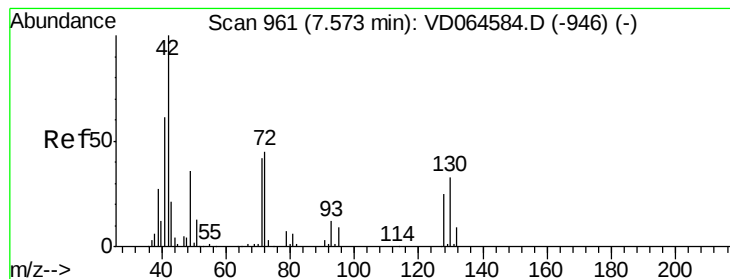


#28

Bromochloromethane
 Concen: 19.971 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion: 49 Resp: 47474
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 4.8
 130 77.3 65.0 97.6





#29

Tetrahydrofuran

Concen: 86.035 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :

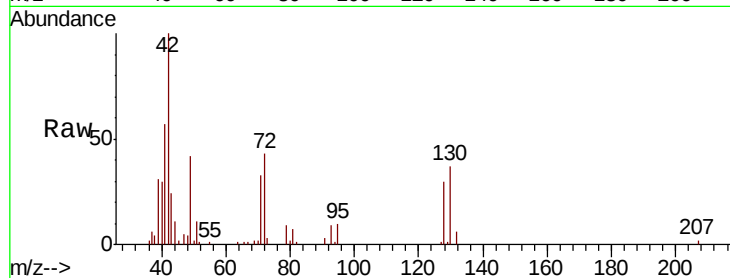
Tot Ion: 42 Resp: 48282

Ion Ratio Lower Upper

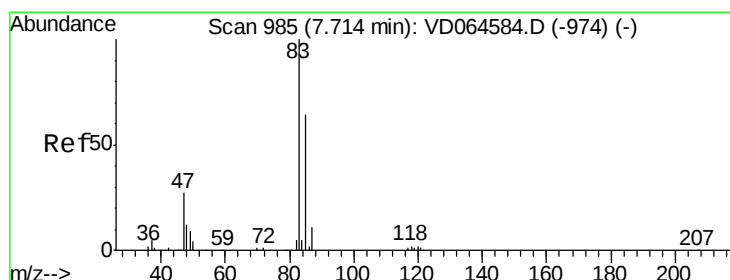
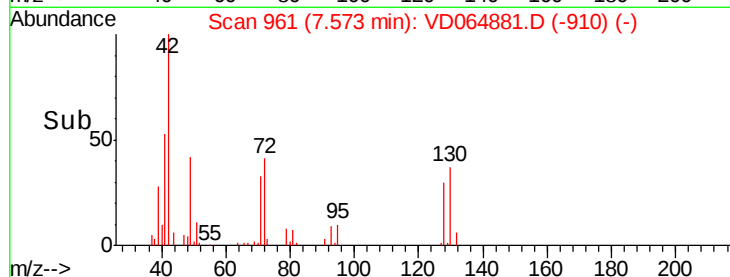
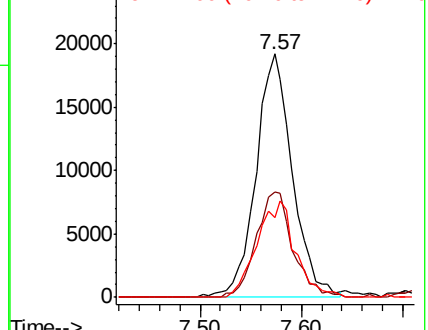
42 100

72 43.3 35.0 52.4

71 41.3 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: 22.788 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD064881.D

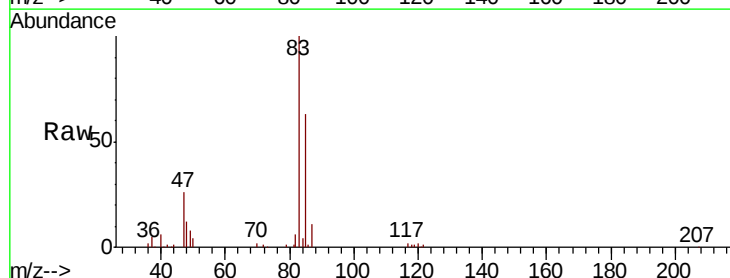
Acq: 20 Jan 2020 10:50

Tgt Ion: 83 Resp: 146202

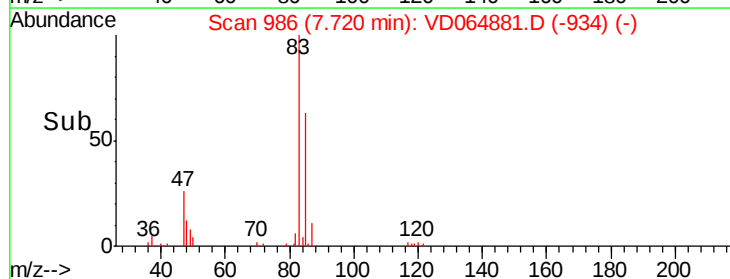
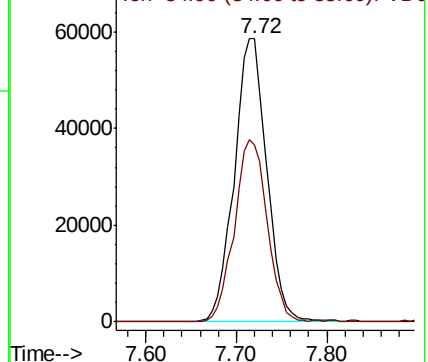
Ion Ratio Lower Upper

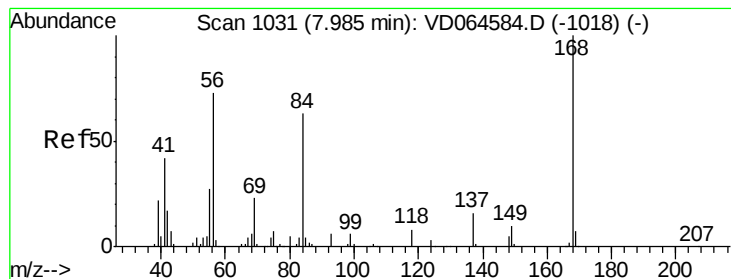
83 100

85 62.6 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: 22.072 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampled :

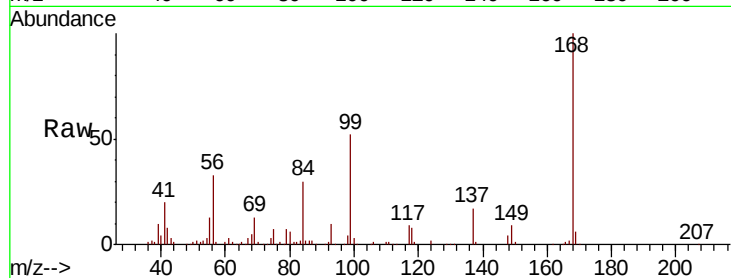
Tot Ion: 56 Resp: 135108

Ion Ratio Lower Upper

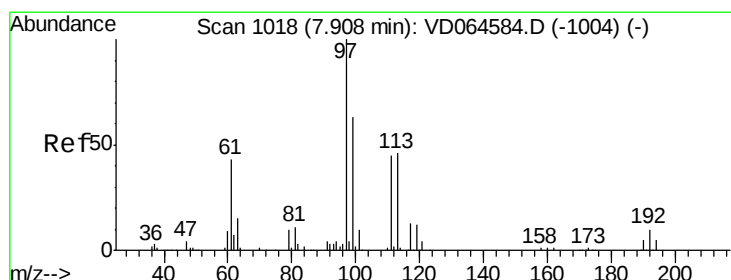
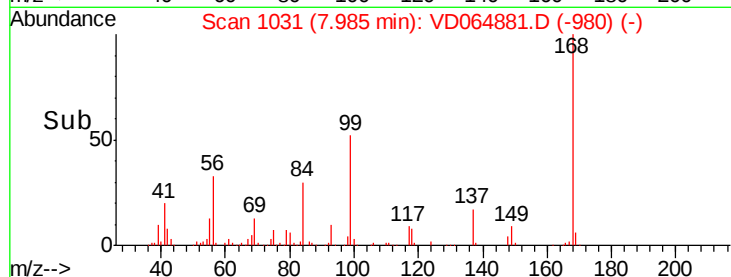
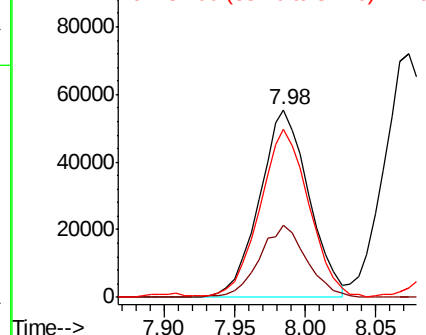
56 100

69 38.3 24.7 37.1#

84 88.6 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: 23.550 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

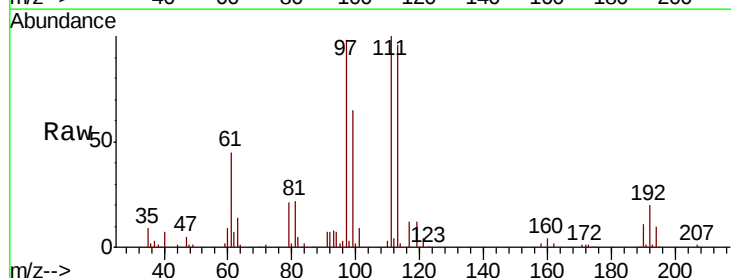
Tgt Ion: 97 Resp: 141913

Ion Ratio Lower Upper

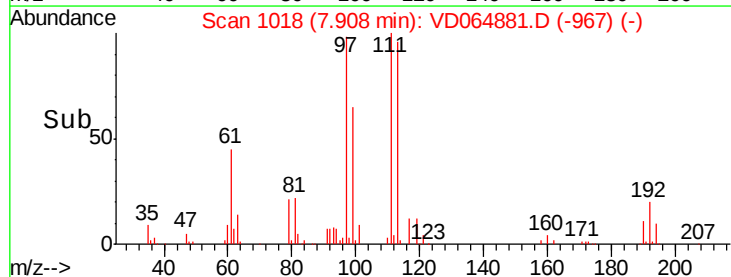
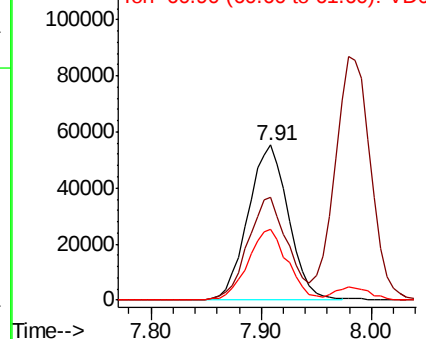
97 100

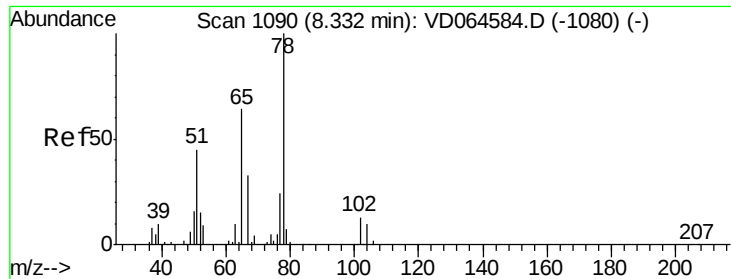
99 65.3 51.0 76.6

61 45.1 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

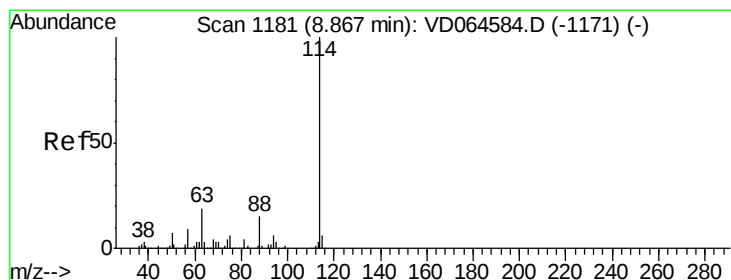
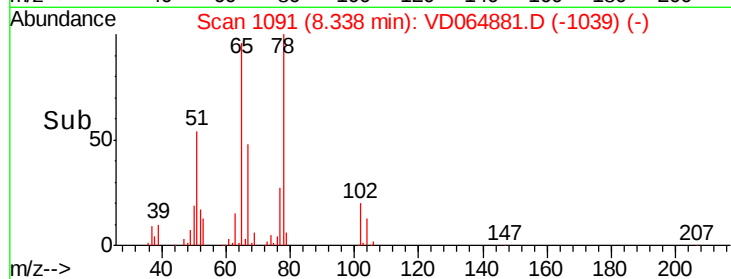
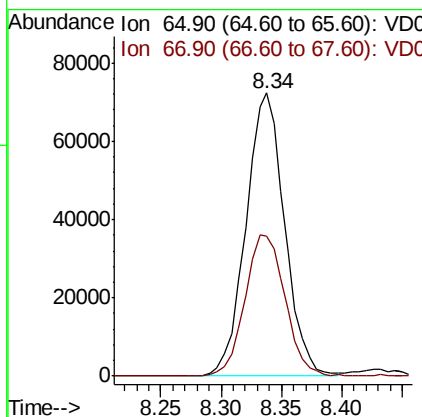
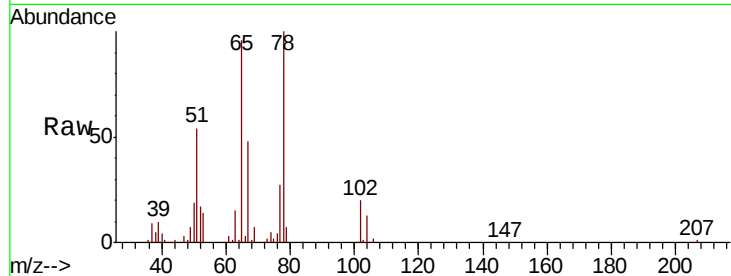




#33
 1,2-Dichloroethane-d4
 Concen: 49.092 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

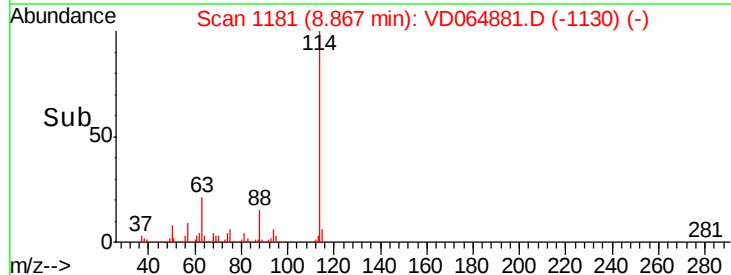
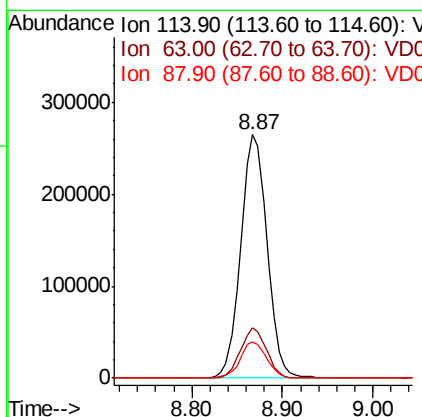
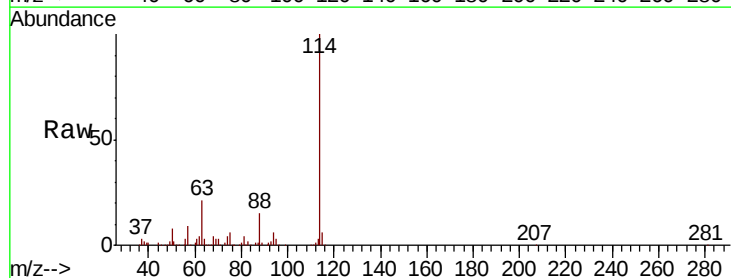
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 161168
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion: 114 Resp: 533523
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.0
 88 14.8 0.0 29.2

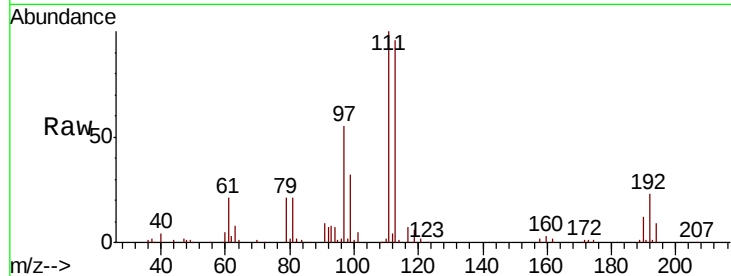




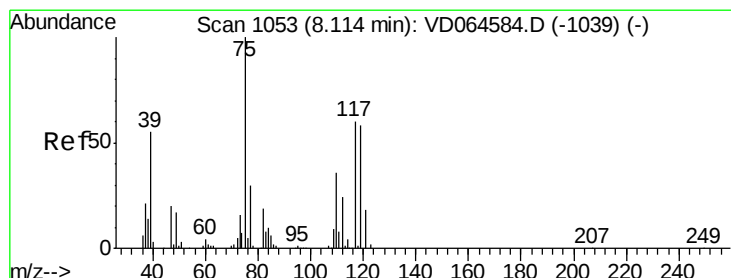
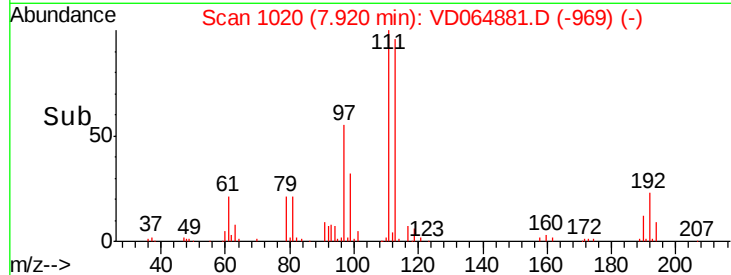
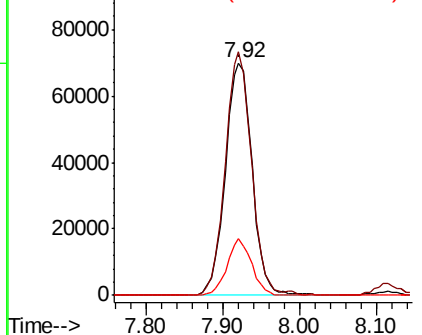
#35
 Dibromofluoromethane
 Concen: 51.959 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.6	121.0
192	22.2	17.9	26.9

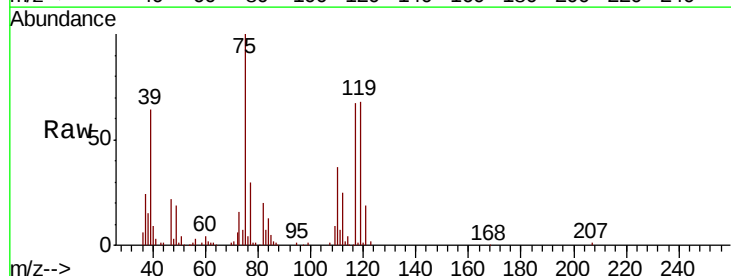


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

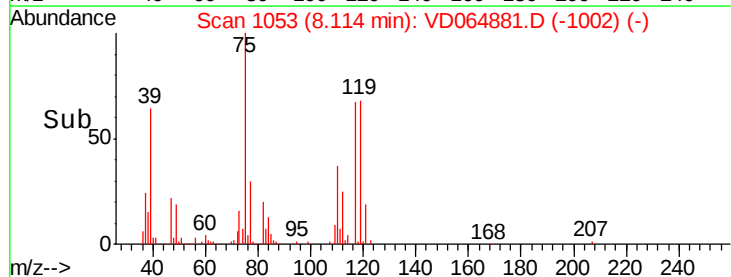
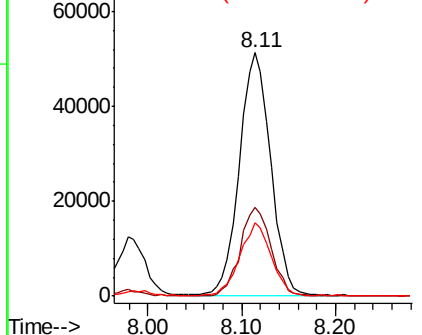


#36
 1,1-Dichloropropene
 Concen: 23.177 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.1	54.1
77	30.1	24.2	36.4



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

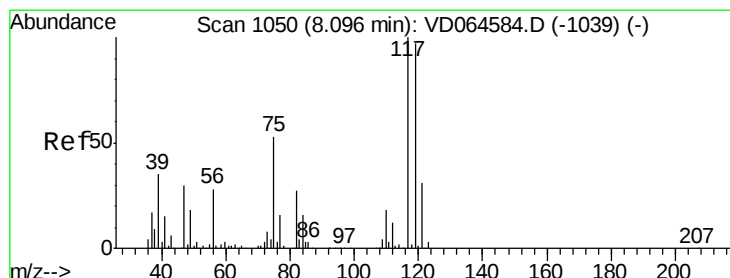
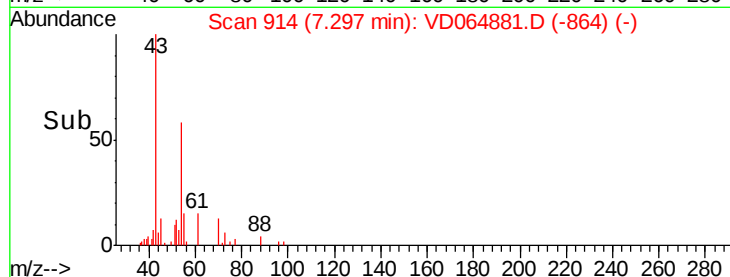
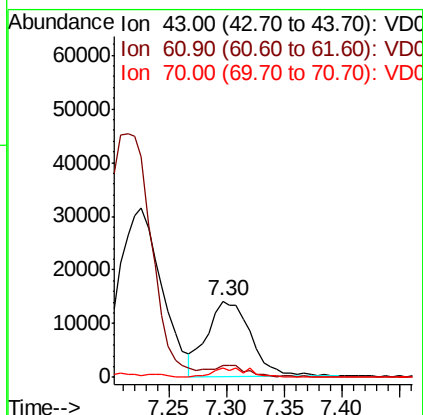
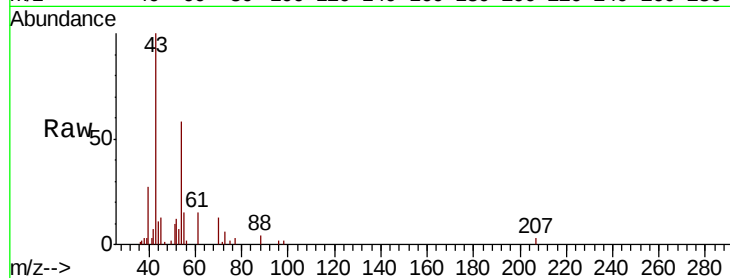




#37
Ethyl Acetate
Concen: 18.477 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

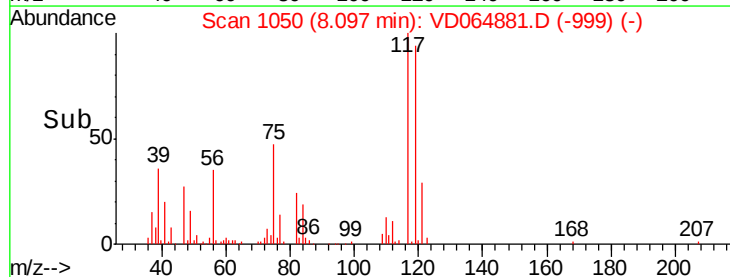
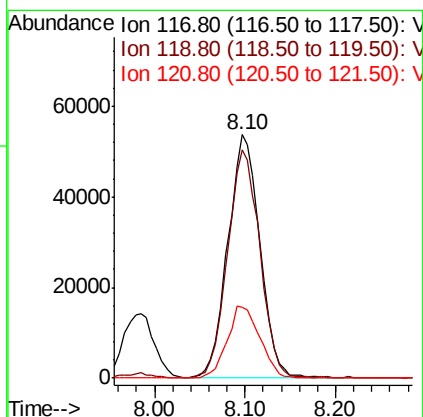
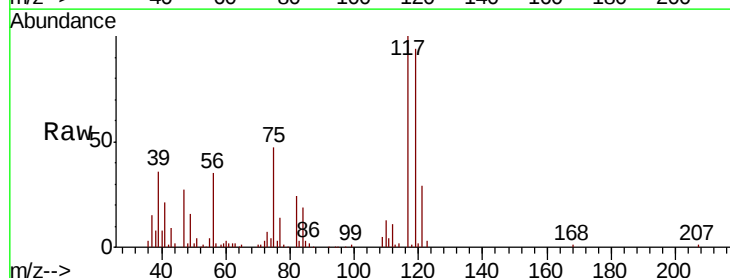
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 37275
Ion Ratio Lower Upper
43 100
61 12.3 10.3 15.5
70 10.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 24.115 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion: 117 Resp: 132041
Ion Ratio Lower Upper
117 100
119 93.9 77.3 115.9
121 29.0 25.0 37.6

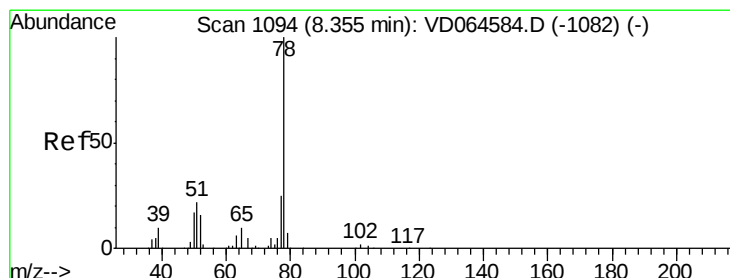
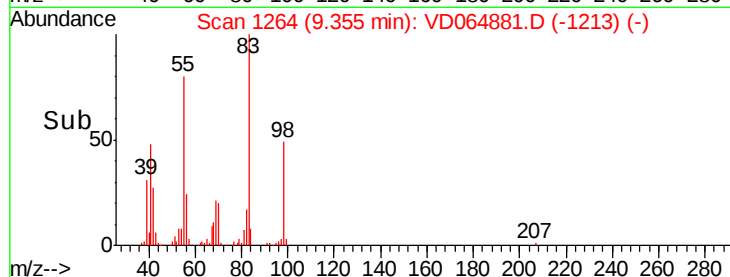
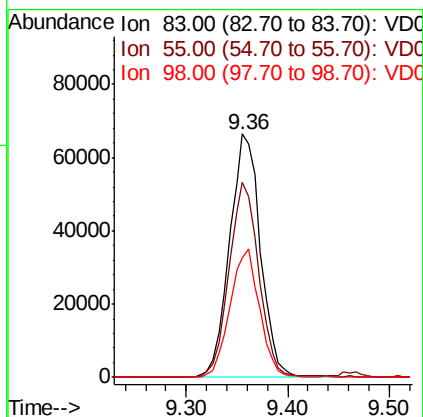
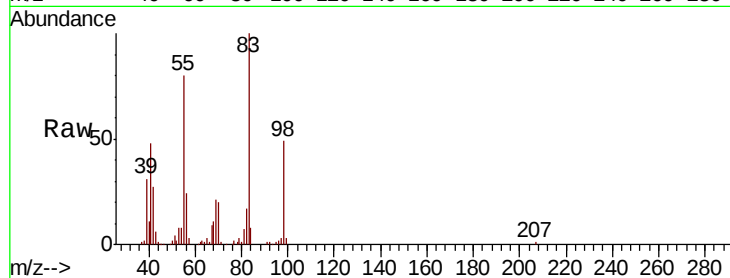




#39
Methvlcvclohexane
Concen: 22.558 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

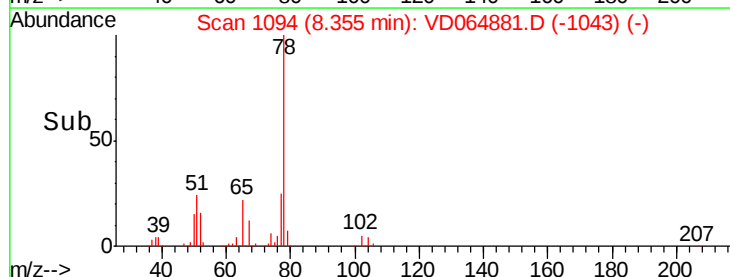
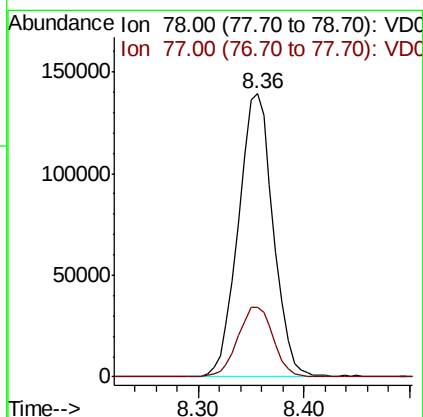
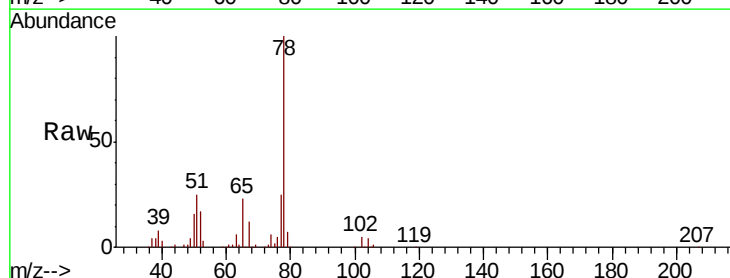
Instrument :
MSVOA_D
ClientSampleId :

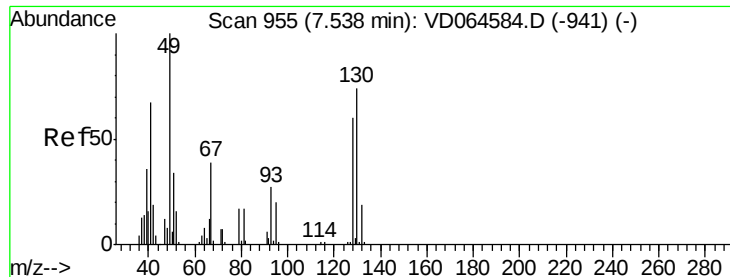
Tot Ion: 83 Resp: 140301
Ion Ratio Lower Upper
83 100
55 79.6 57.8 86.6
98 49.2 38.7 58.1



#40
Benzene
Concen: 22.747 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion: 78 Resp: 318881
Ion Ratio Lower Upper
78 100
77 24.6 19.9 29.9

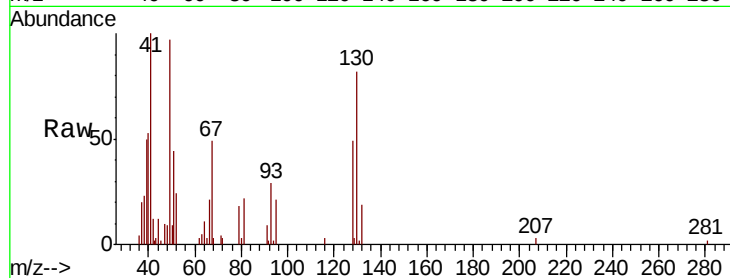




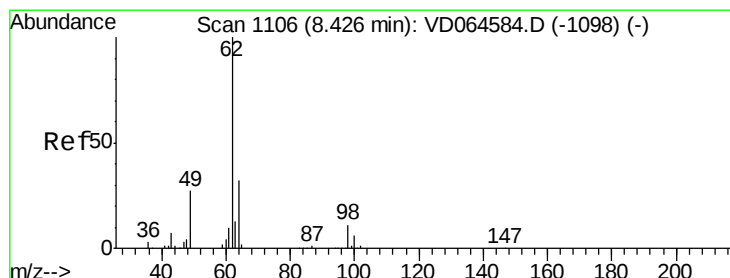
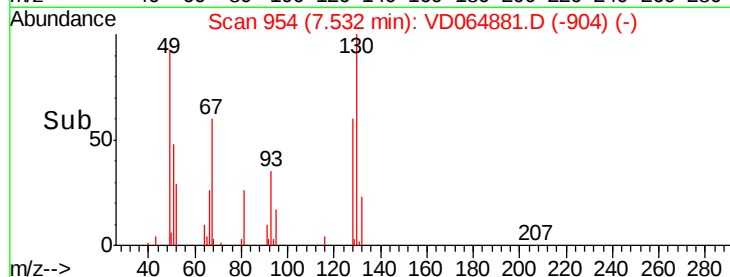
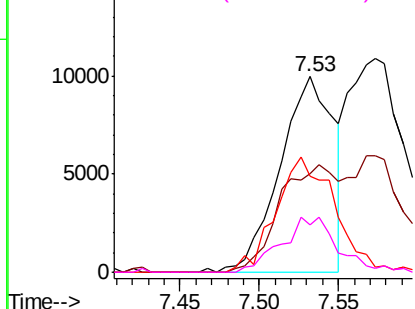
#41
Methacrylonitrile
Concen: 20.089 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	23514
Ion	Ratio	Lower	Upper
41	100		
39	58.6	46.7	70.1
67	65.0	52.5	78.7
52	29.5	24.1	36.1

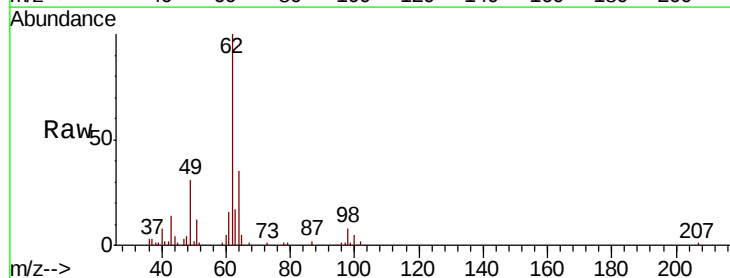


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

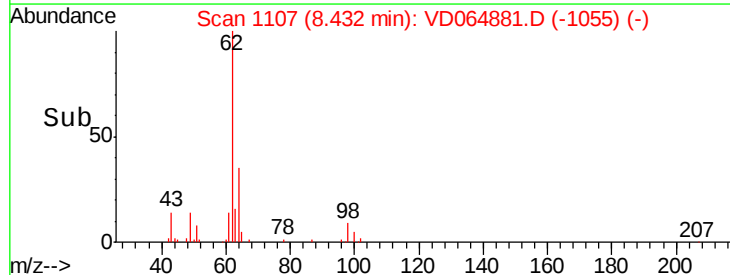
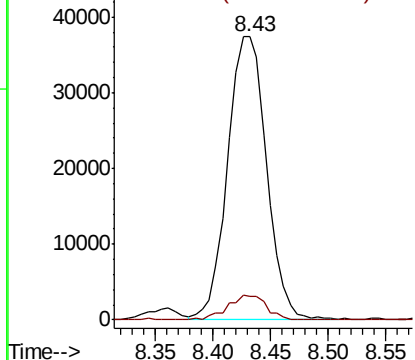


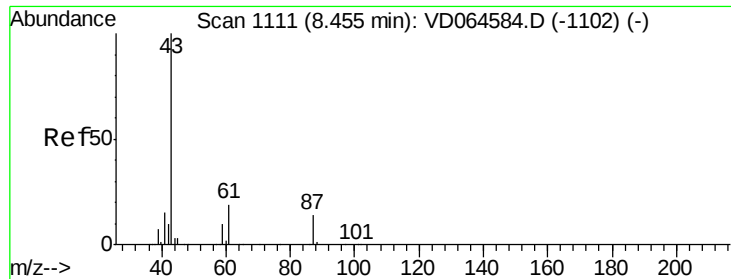
#42
1,2-Dichloroethane
Concen: 21.601 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion:	62	Resp:	87504
Ion	Ratio	Lower	Upper
62	100		
98	8.7	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: 18.286 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

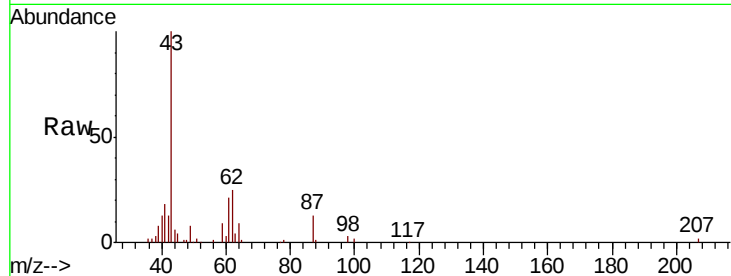
Tot Ion: 43 Resp: 73426

Ion Ratio Lower Upper

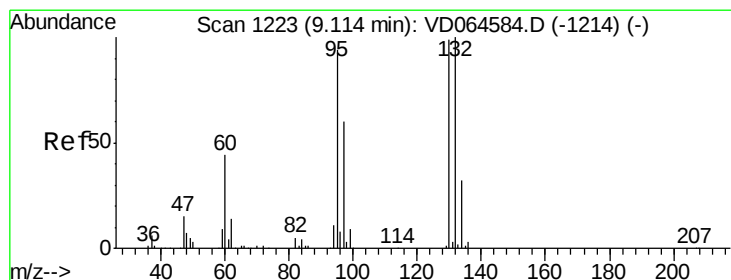
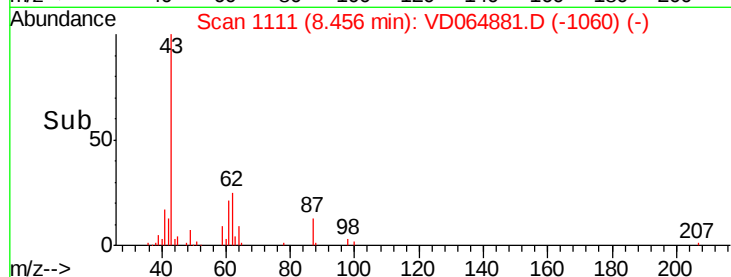
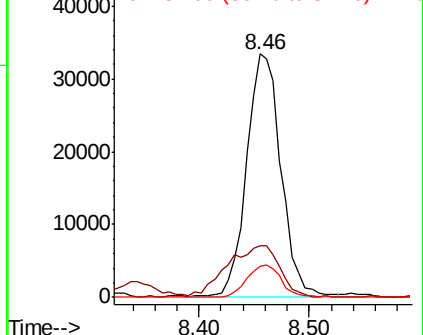
43 100

61 32.2 23.7 35.5

87 13.4 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.621 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064881.D

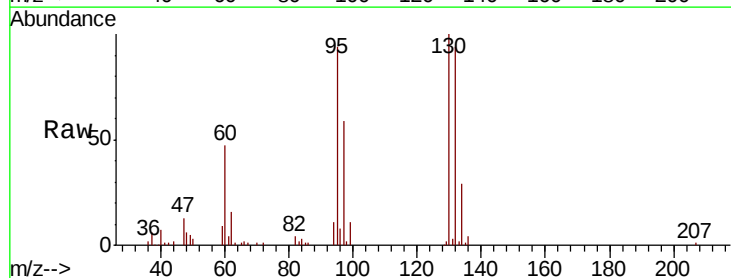
Acq: 20 Jan 2020 10:50

Tgt Ion:130 Resp: 93158

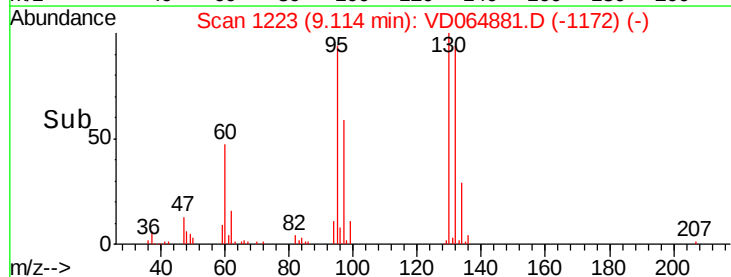
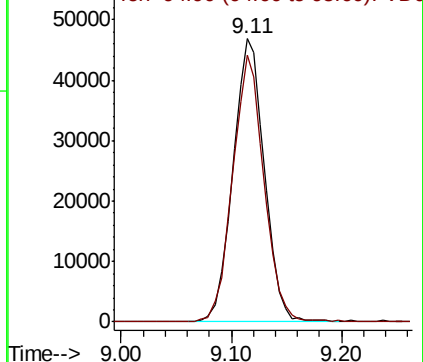
Ion Ratio Lower Upper

130 100

95 94.4 0.0 190.2



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

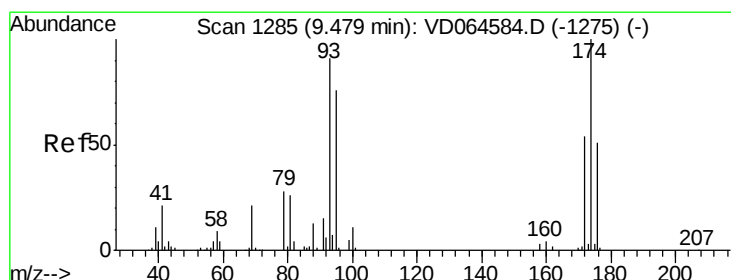
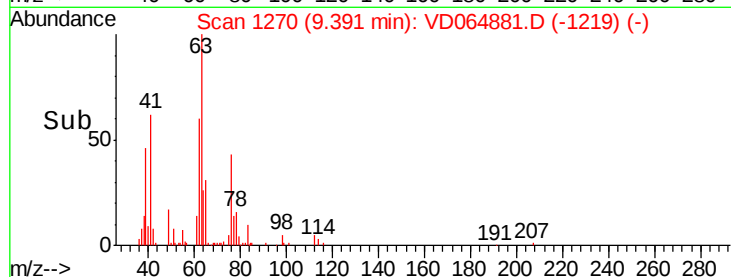
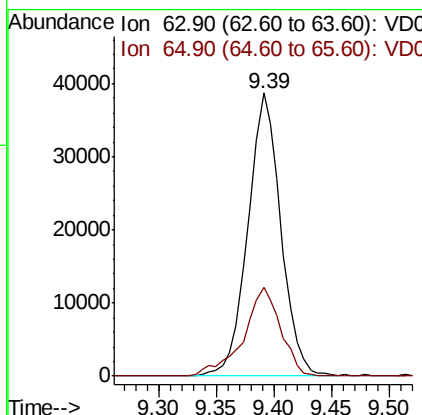
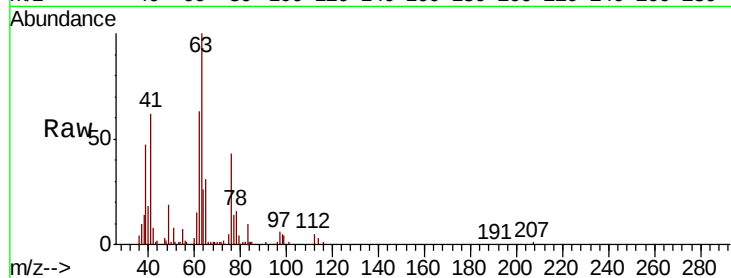




#45
 1,2-Dichloropropane
 Concen: 22.989 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

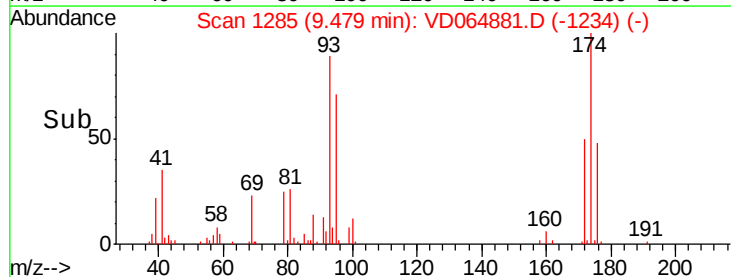
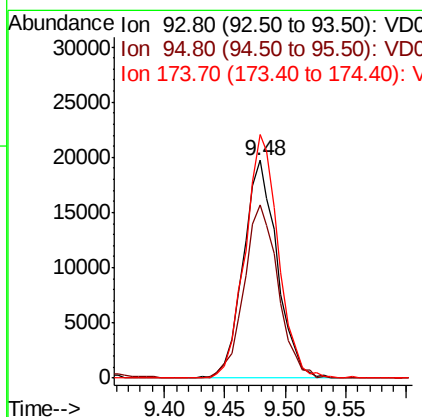
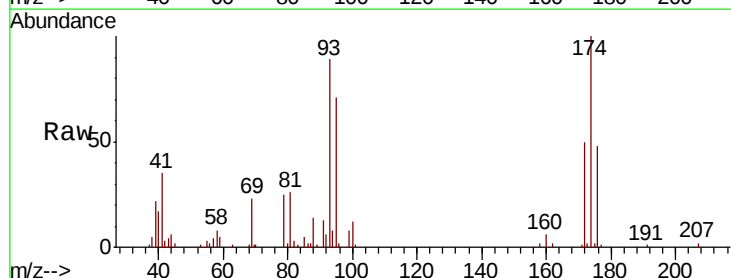
Instrument :
 MSVOA_D
 ClientSampleId :

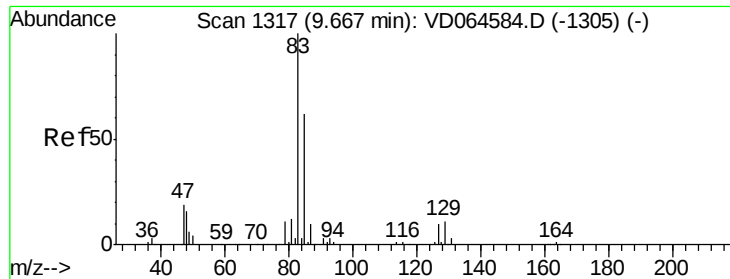
Tot Ion: 63 Resp: 76945
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.2 37.8



#46
 Dibromomethane
 Concen: 20.549 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion: 93 Resp: 38346
 Ion Ratio Lower Upper
 93 100
 95 80.4 64.6 97.0
 174 109.8 88.1 132.1





#47

Bromodichloromethane

Concen: 22.397 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

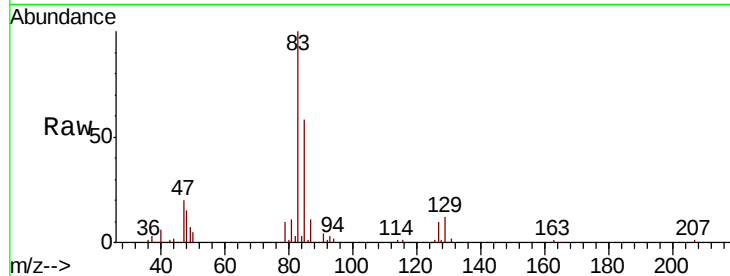
Tot Ion: 83 Resp: 111215

Ion Ratio Lower Upper

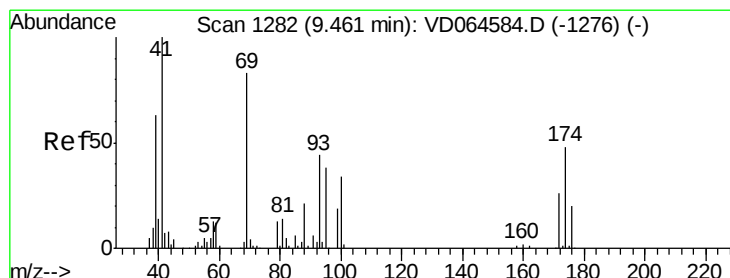
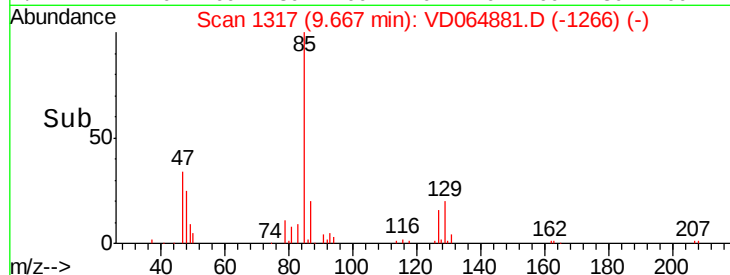
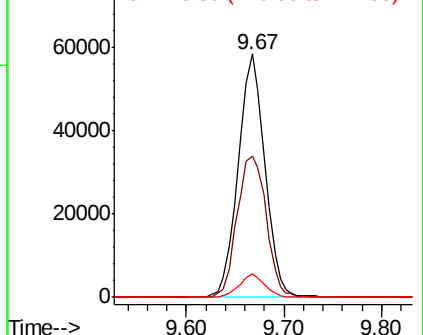
83 100

85 57.9 49.5 74.3

127 9.6 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): VDC



#48

Methyl methacrylate

Concen: 19.366 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

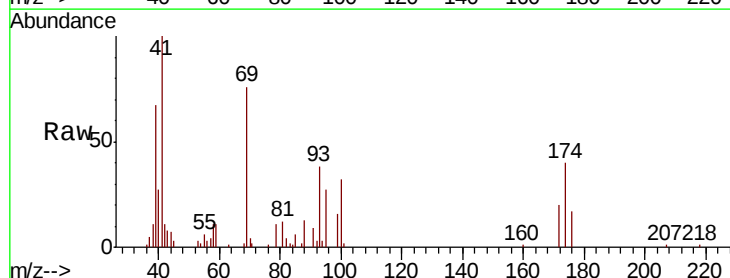
Tgt Ion: 41 Resp: 36615

Ion Ratio Lower Upper

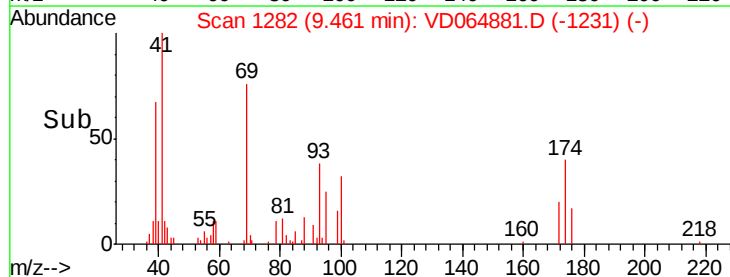
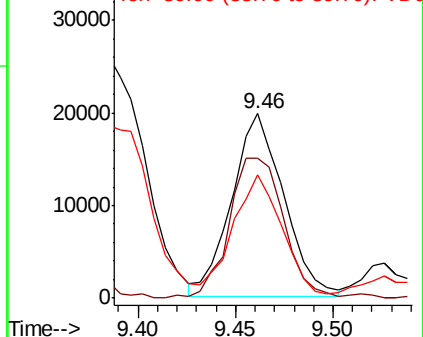
41 100

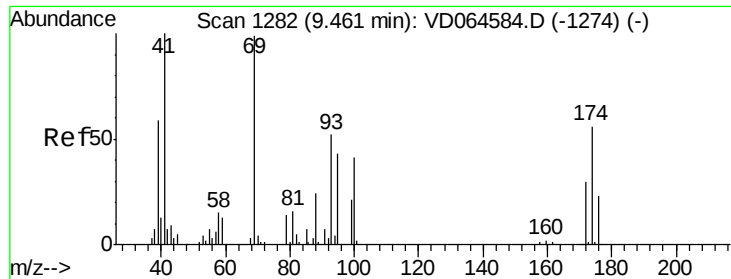
69 81.1 63.0 94.6

39 59.6 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

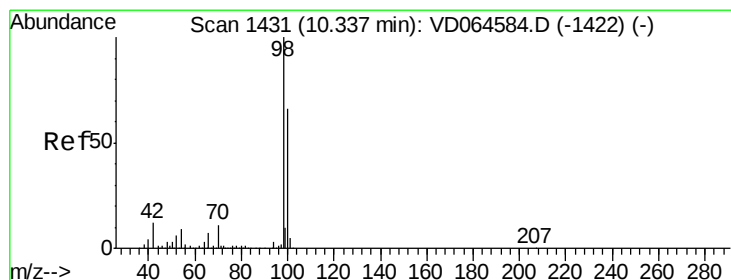
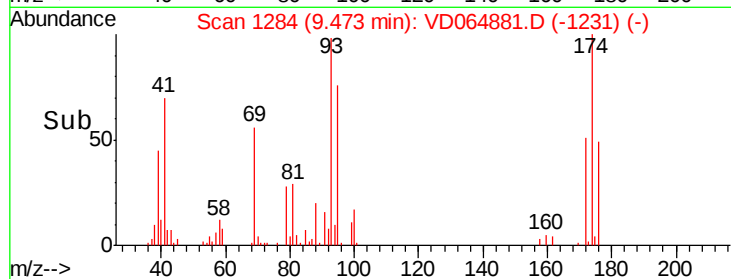
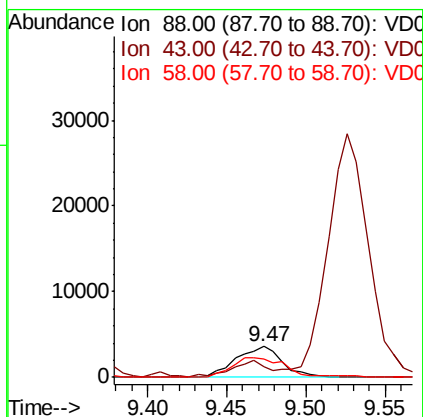
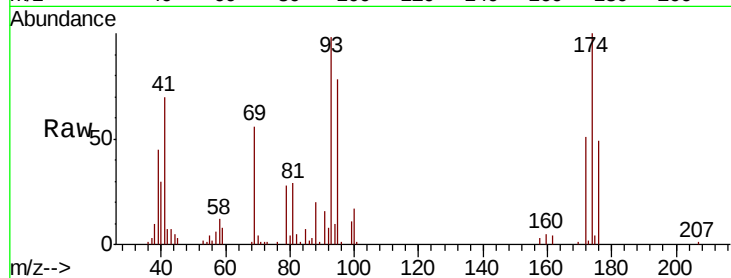




#49
1,4-Dioxane
Concen: 343.349 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

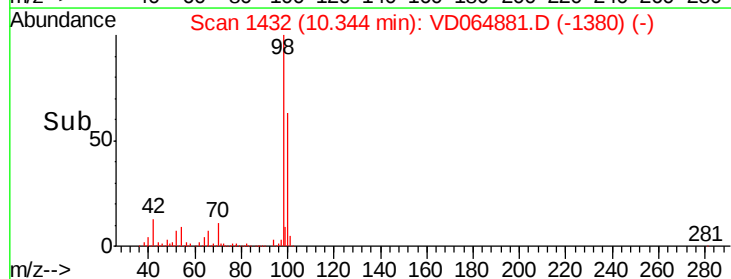
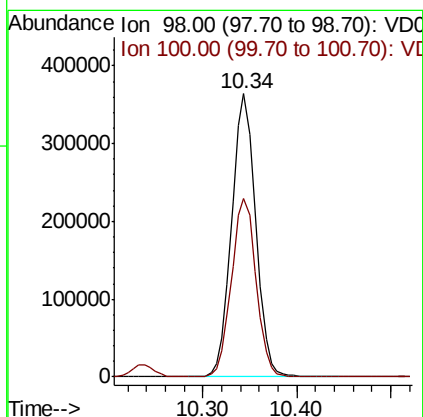
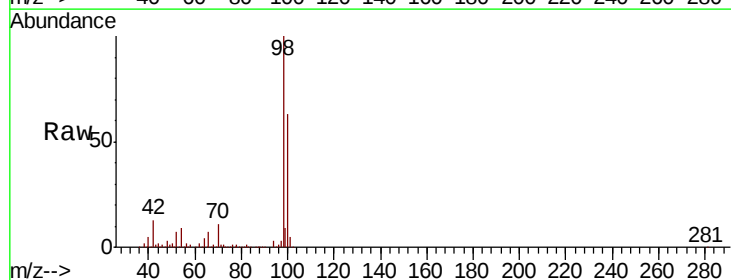
Instrument :
MSVOA_D
ClientSampleId :

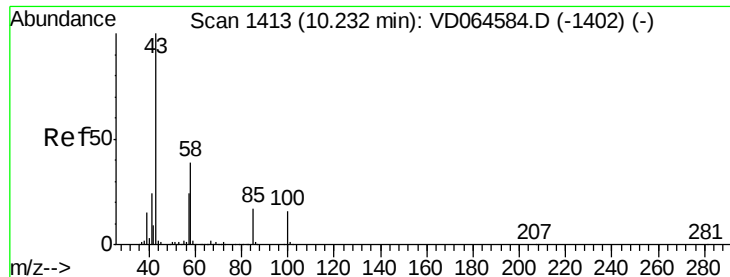
Tot Ion: 88 Resp: 7388
Ion Ratio Lower Upper
88 100
43 40.6 27.7 41.5
58 71.7 53.8 80.6



#50
Toluene-d8
Concen: 51.592 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion: 98 Resp: 646765
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 88.702 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

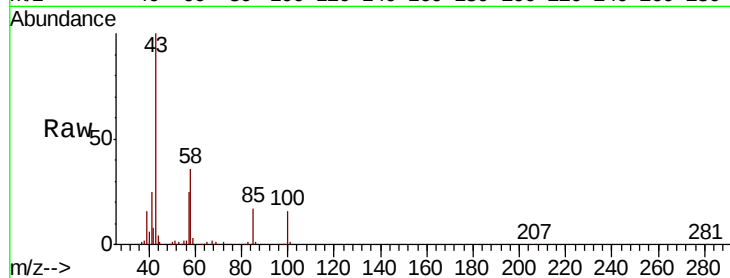
ClientSampleId :

Tot Ion: 43 Resp: 176047

Ion Ratio Lower Upper

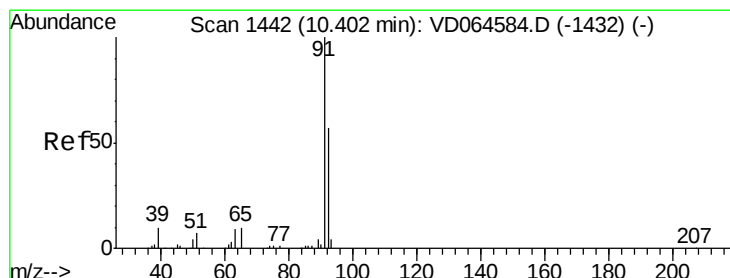
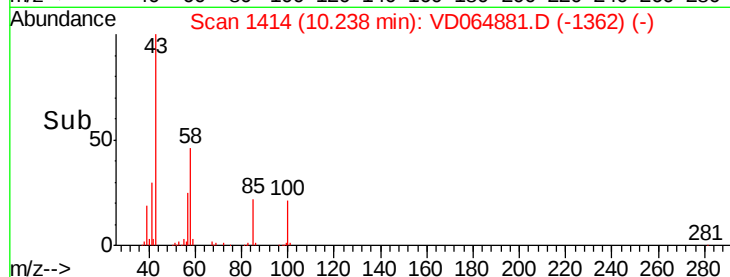
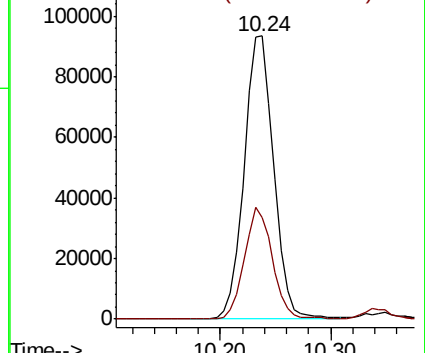
43 100

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: 22.641 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064881.D

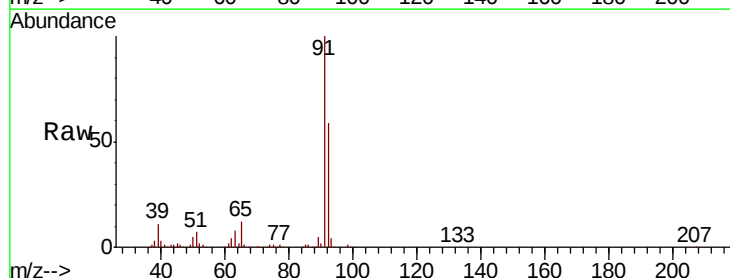
Acq: 20 Jan 2020 10:50

Tgt Ion: 92 Resp: 208233

Ion Ratio Lower Upper

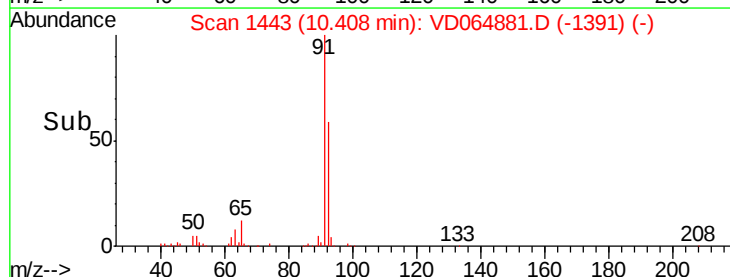
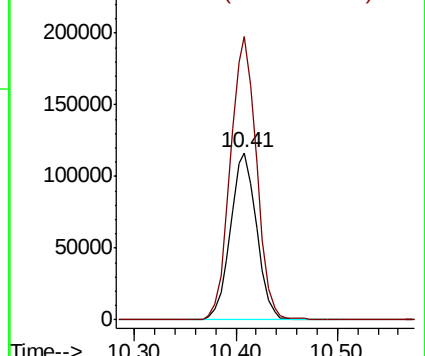
92 100

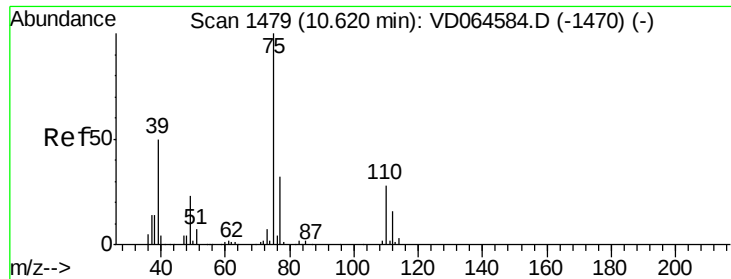
91 169.7 138.7 208.1



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: 20.580 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

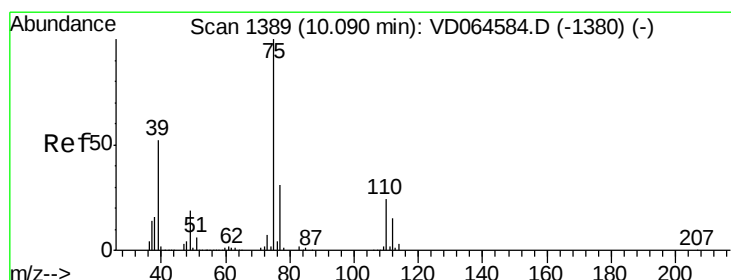
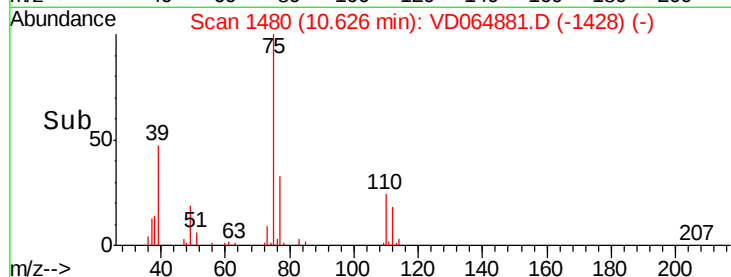
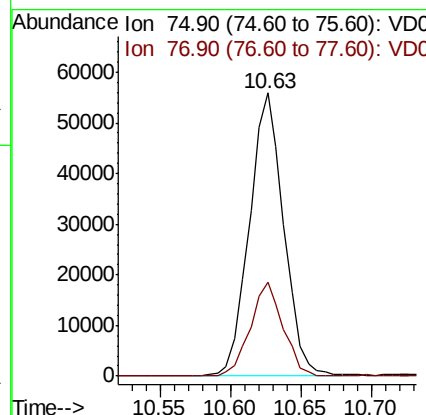
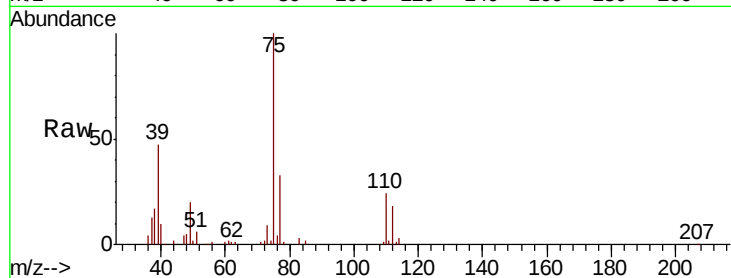
ClientSampleId :

Tot Ion: 75 Resp: 95275

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.430 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

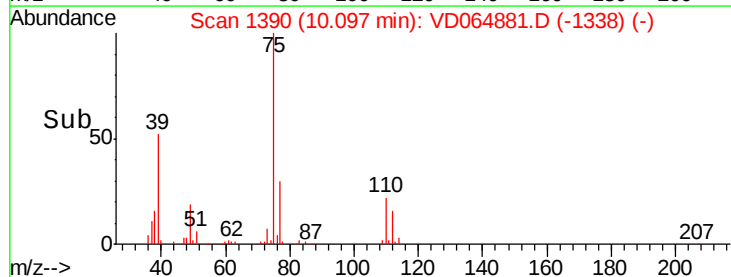
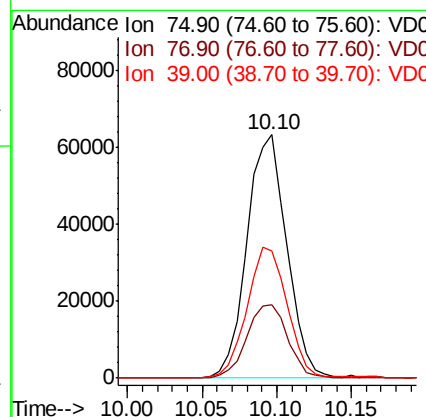
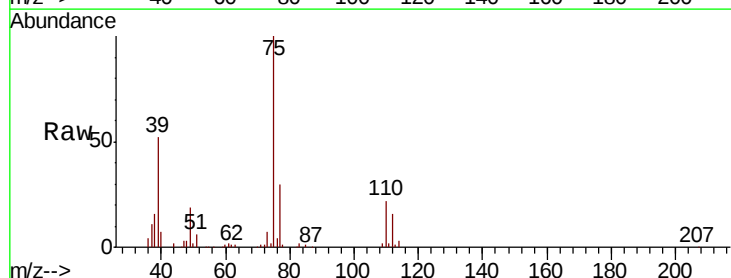
Tgt Ion: 75 Resp: 116987

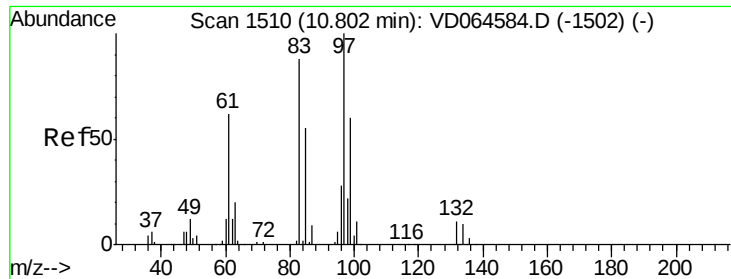
Ion Ratio Lower Upper

75 100

77 30.0 24.6 36.8

39 51.7 41.4 62.2

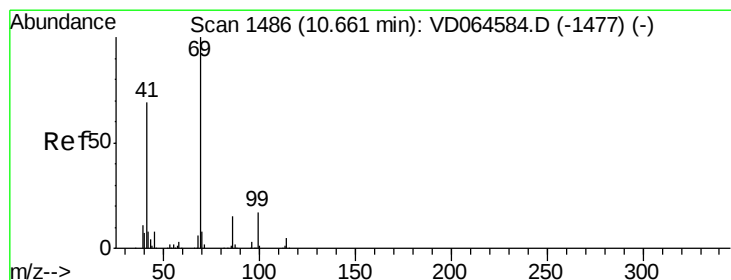
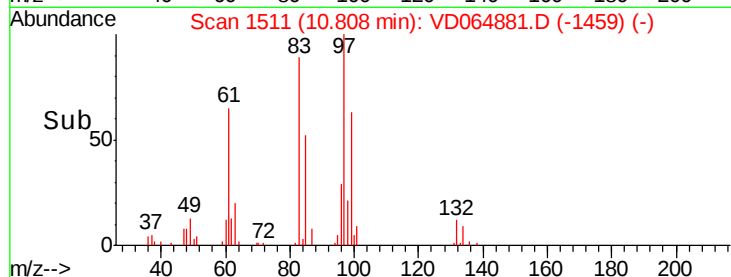
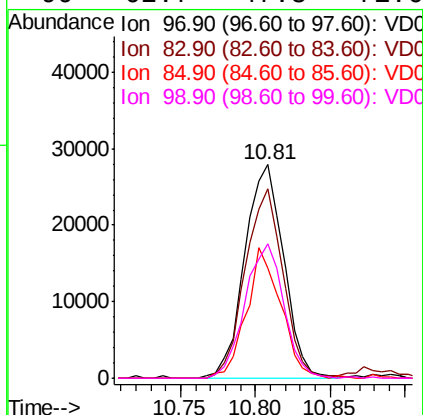
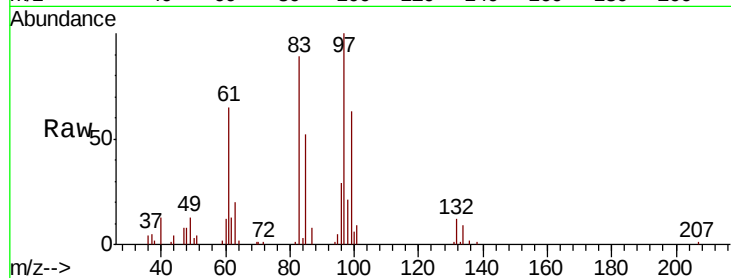




#55
 1,1,2-Trichloroethane
 Concen: 20.040 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

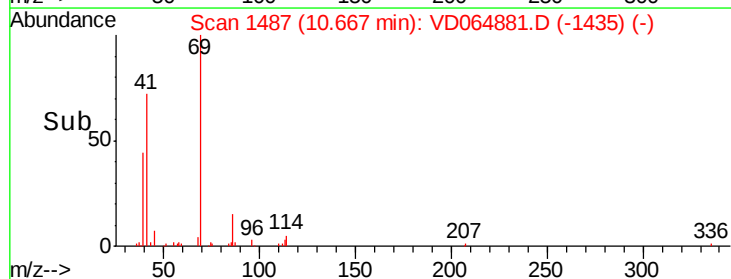
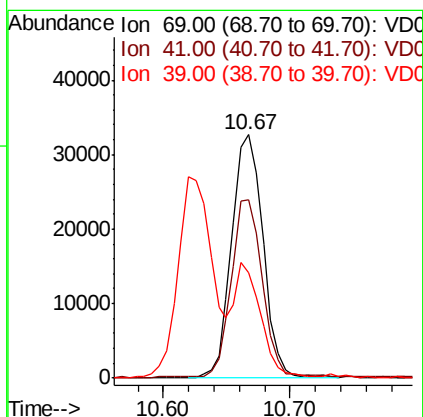
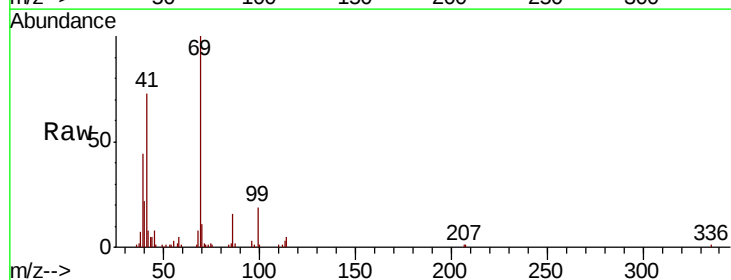
Instrument :
 MSVOA_D
 ClientSampleId :

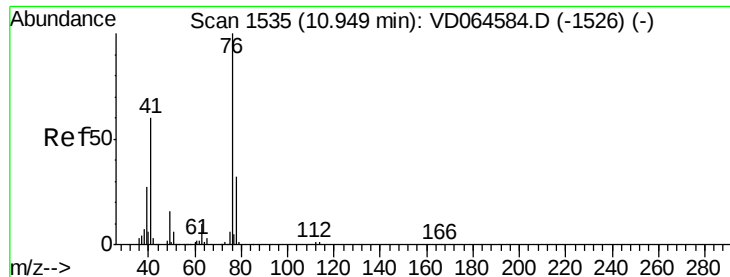
Tot Ion	97	Resp	50398
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.2	105.4
85	51.7	44.0	66.0
99	62.7	47.8	71.6



#56
 Ethyl methacrylate
 Concen: 17.900 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion	69	Resp	56219
Ion	Ratio	Lower	Upper
69	100		
41	70.5	55.3	82.9
39	39.0	33.8	50.8





#57

1,3-Dichloropropane

Concen: 20.577 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

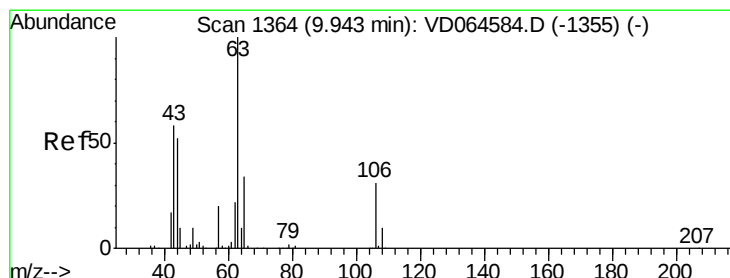
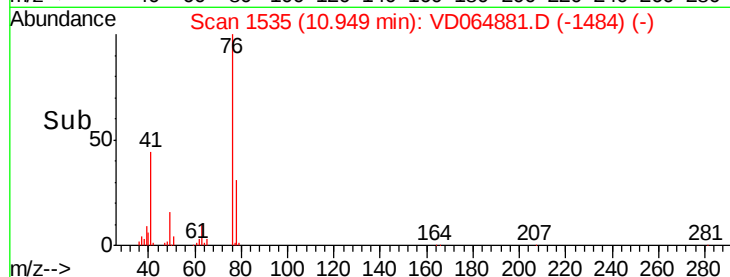
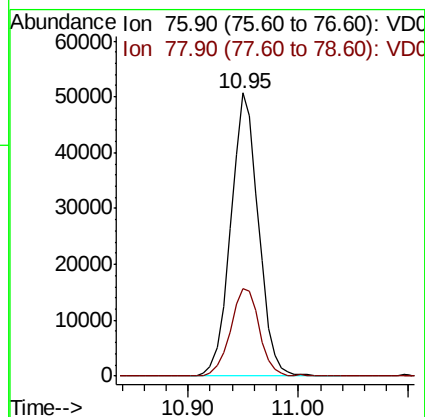
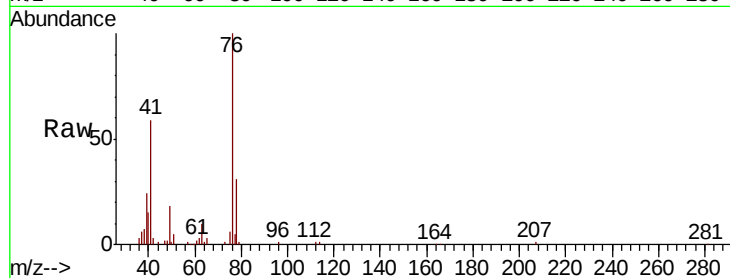
ClientSampleId :

Tot Ion: 76 Resp: 89100

Ion Ratio Lower Upper

76 100

78 31.9 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 100.094 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064881.D

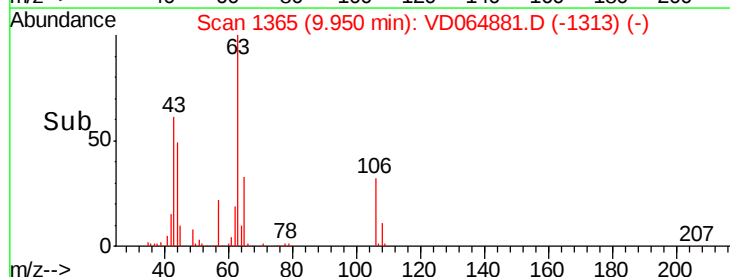
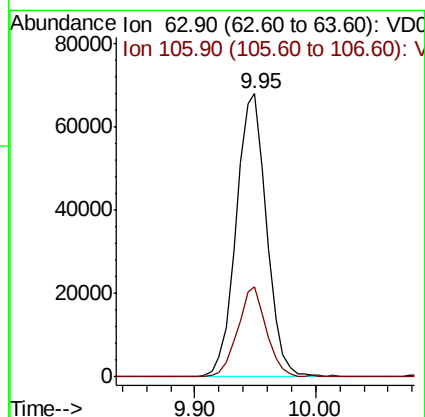
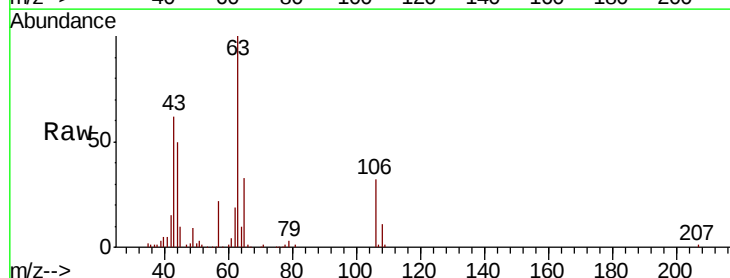
Acq: 20 Jan 2020 10:50

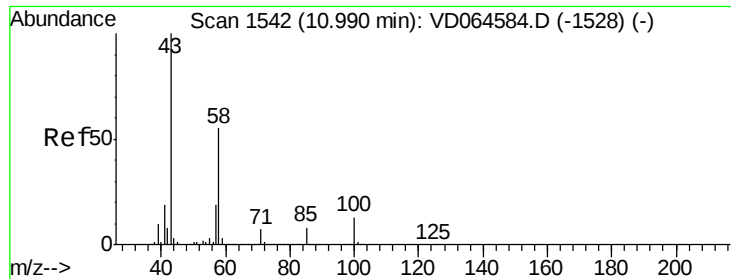
Tgt Ion: 63 Resp: 119774

Ion Ratio Lower Upper

63 100

106 30.0 23.8 35.8

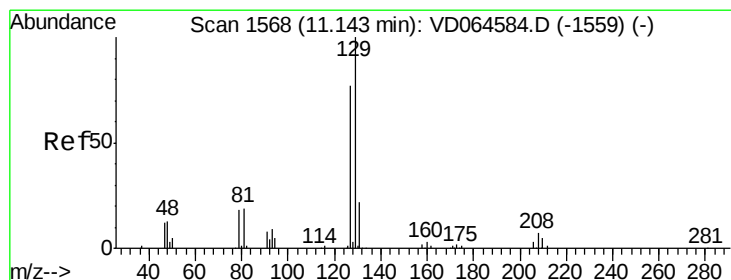
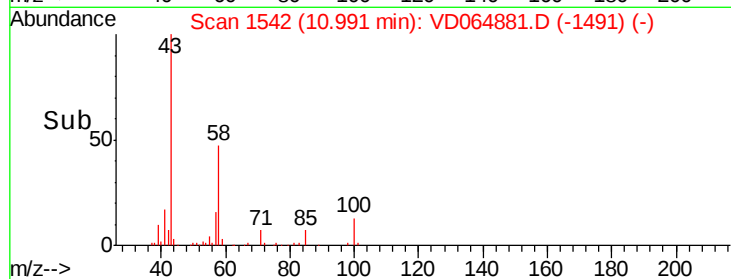
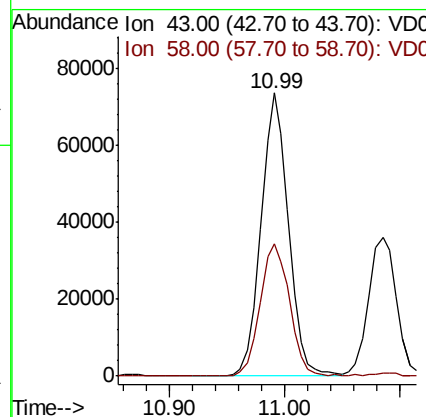
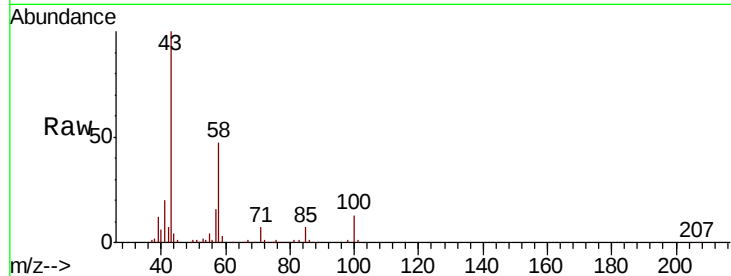




#59
2-Hexanone
Concen: 90.483 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

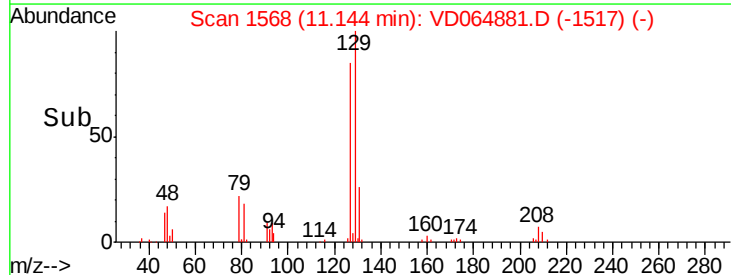
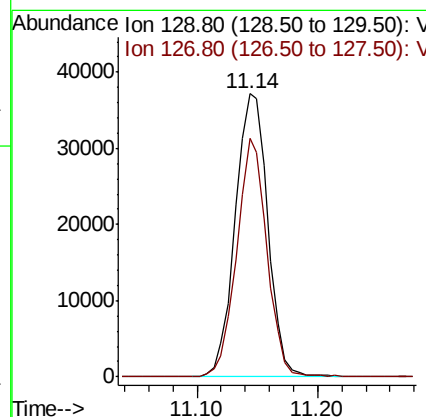
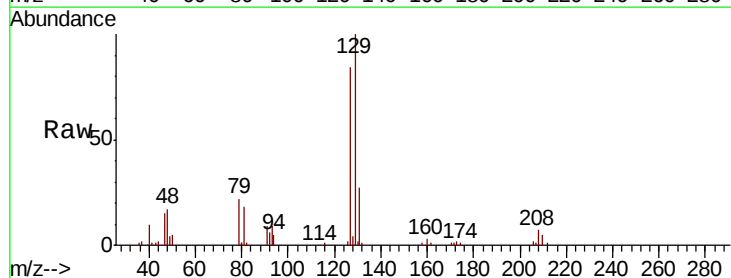
Instrument :
MSVOA_D
ClientSampleId :

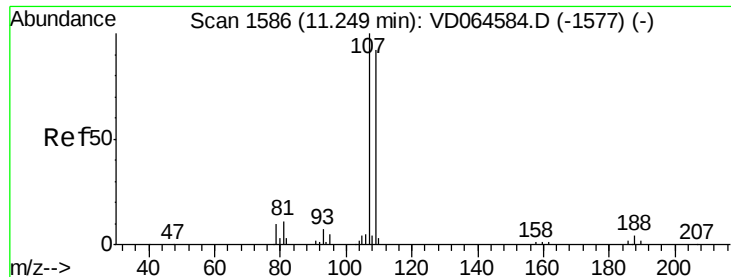
Tot Ion: 43 Resp: 121886
Ion Ratio Lower Upper
43 100
58 49.9 26.4 79.0



#60
Dibromochloromethane
Concen: 20.078 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion: 129 Resp: 69825
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.100 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

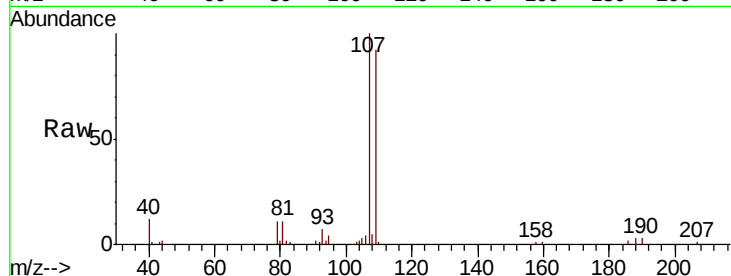
ClientSampleId :

Tot Ion:107 Resp: 47378

Ion Ratio Lower Upper

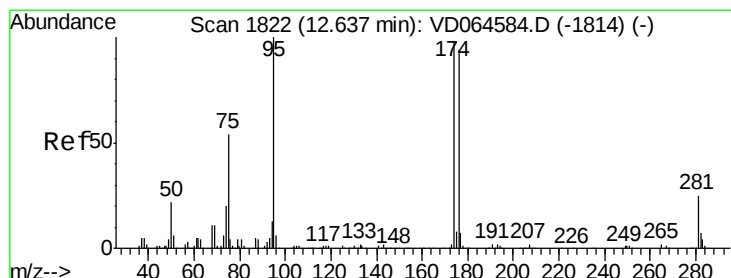
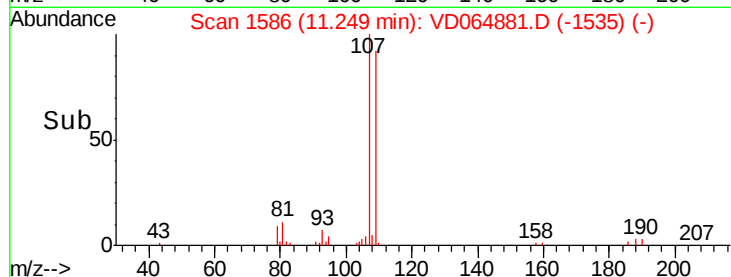
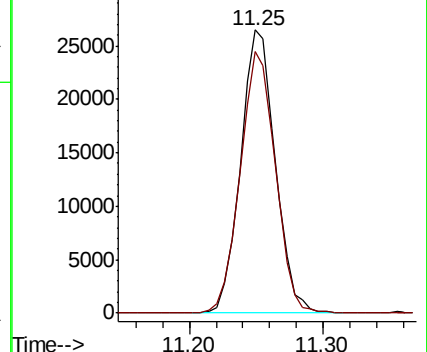
107 100

109 93.9 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: 50.400 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

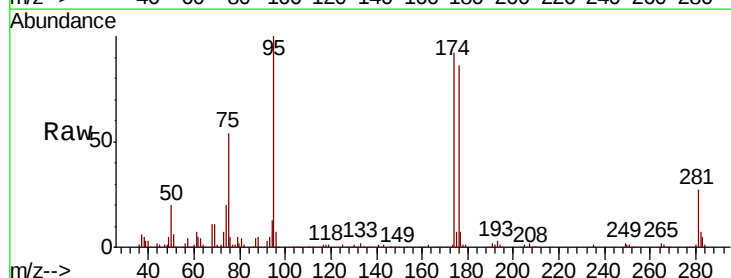
Tgt Ion: 95 Resp: 199790

Ion Ratio Lower Upper

95 100

174 92.7 0.0 193.2

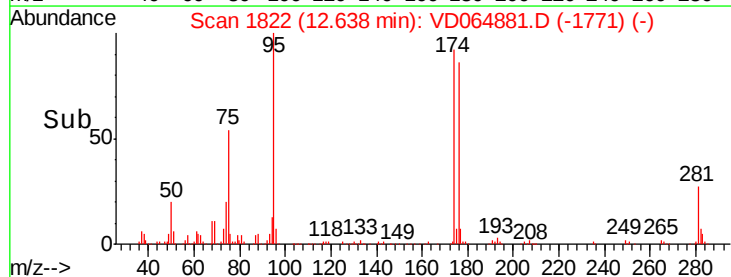
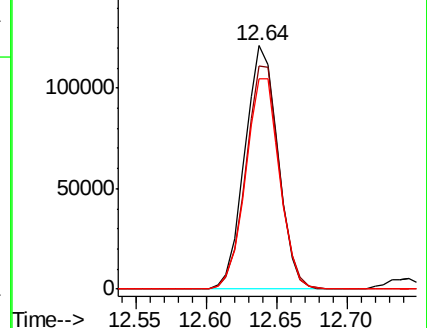
176 88.2 0.0 184.2

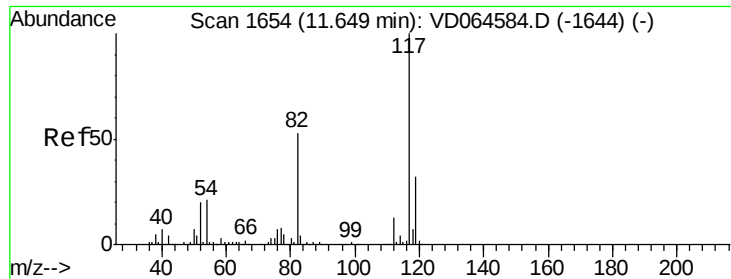


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

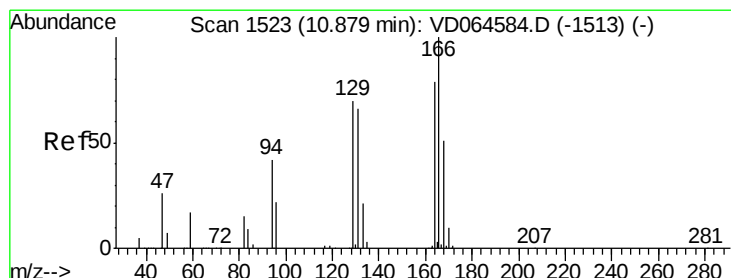
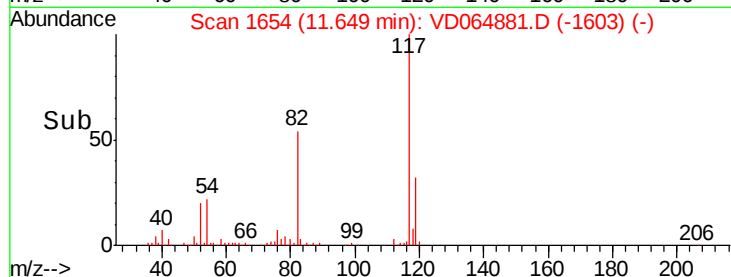
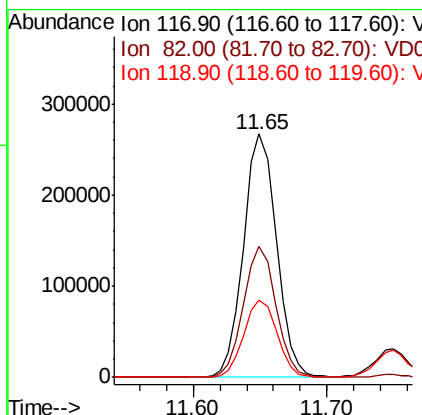
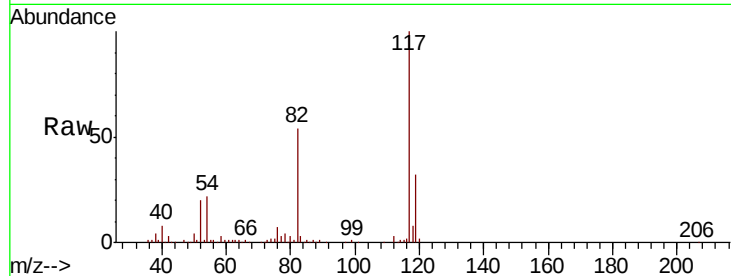




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

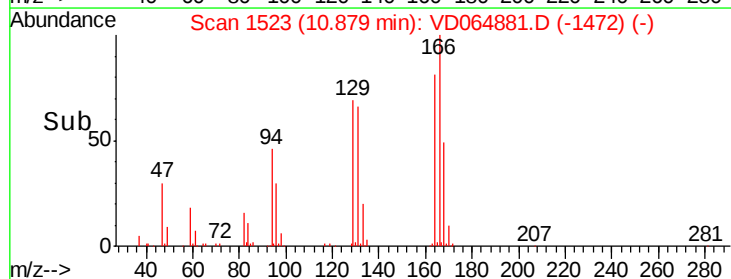
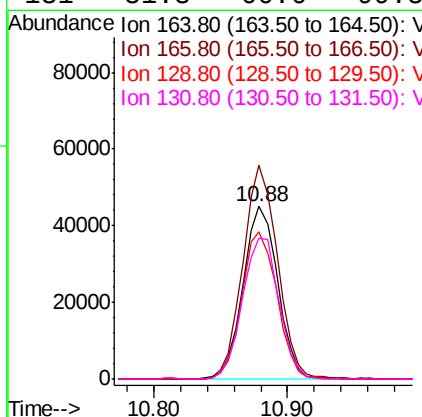
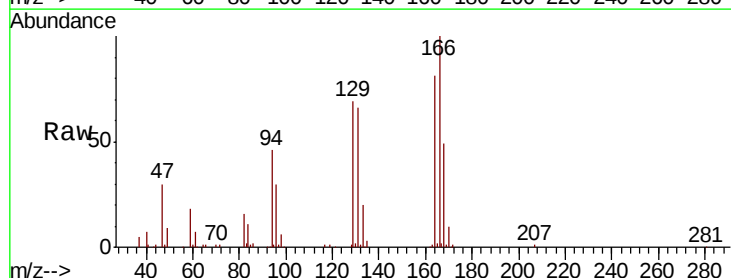
Instrument :
MSVOA_D
ClientSampleId :

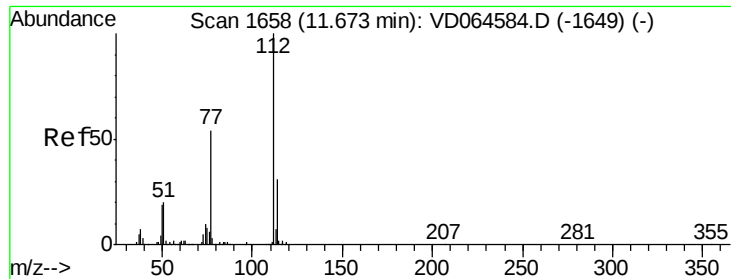
Tot Ion:117 Resp: 457220
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 31.6 26.0 39.0



#64
Tetrachloroethene
Concen: 23.022 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion:164 Resp: 80754
Ion Ratio Lower Upper
164 100
166 123.7 101.3 151.9
129 85.3 70.5 105.7
131 81.3 66.6 99.8

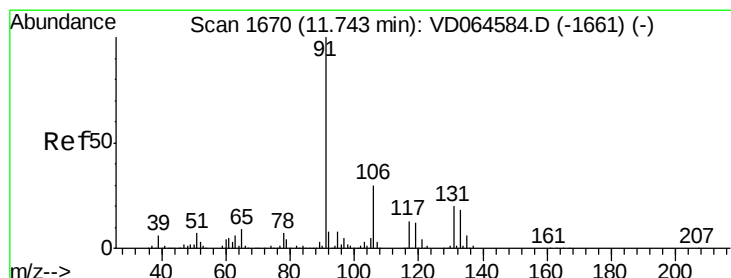
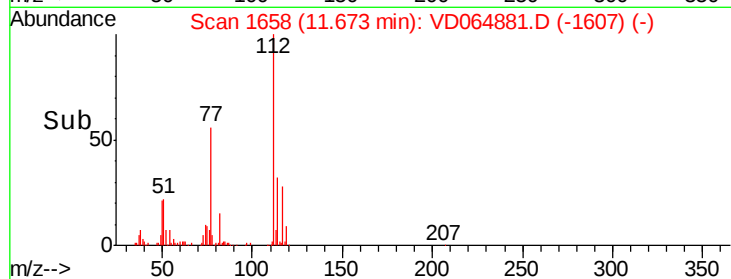
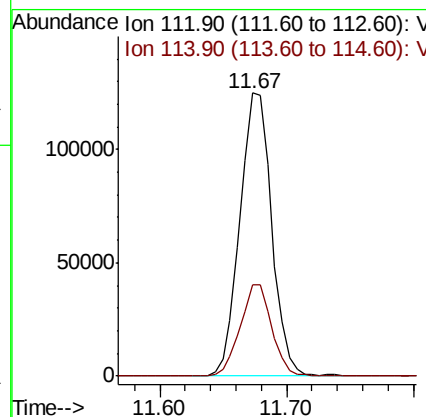
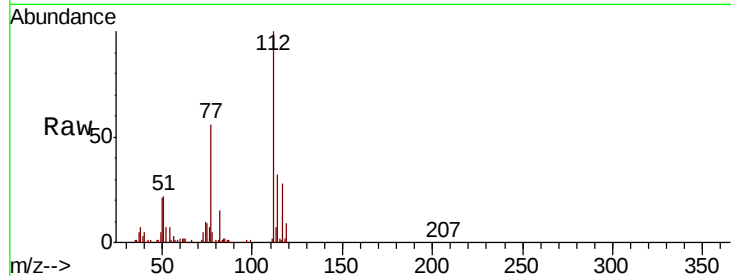




#65
Chlorobenzene
Concen: 22.914 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

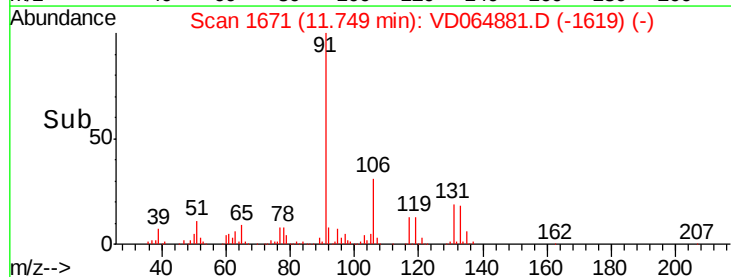
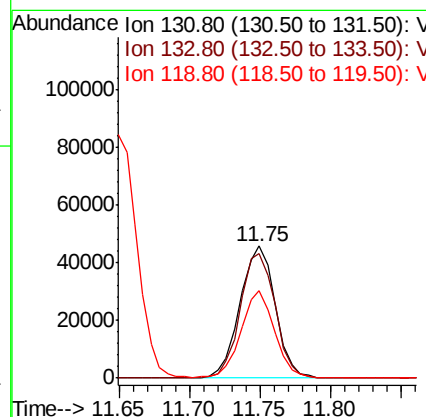
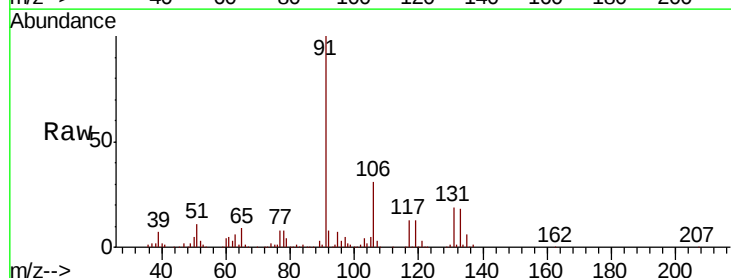
Instrument :
MSVOA_D
ClientSampled :

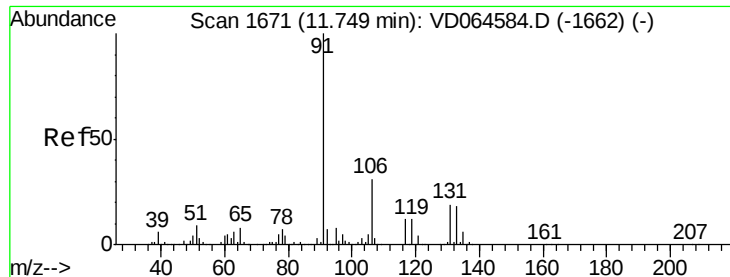
Tot Ion:112 Resp: 217444
Ion Ratio Lower Upper
112 100
114 32.3 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.368 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion:131 Resp: 80019
Ion Ratio Lower Upper
131 100
133 94.2 48.3 144.8
119 63.2 32.1 96.3

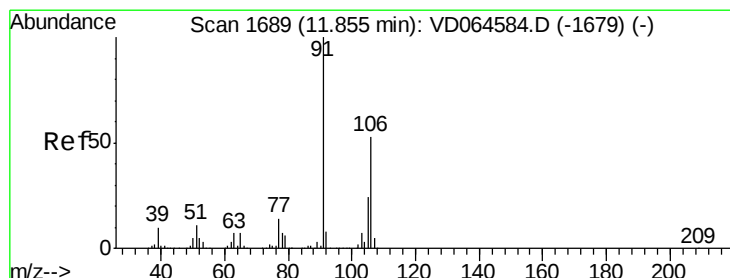
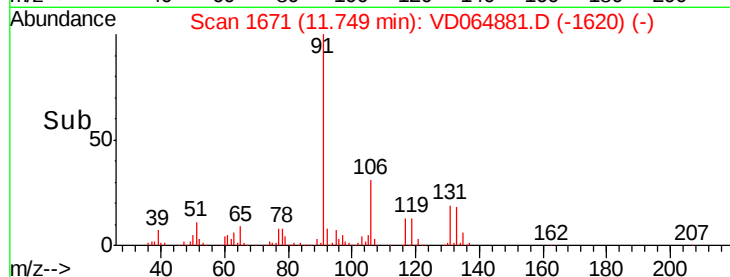
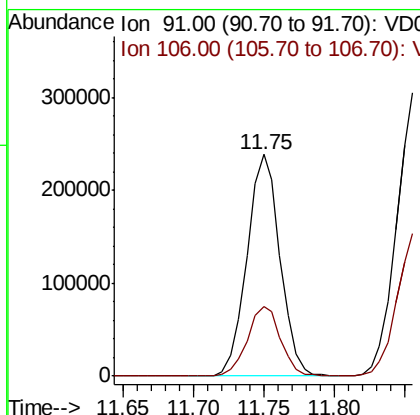
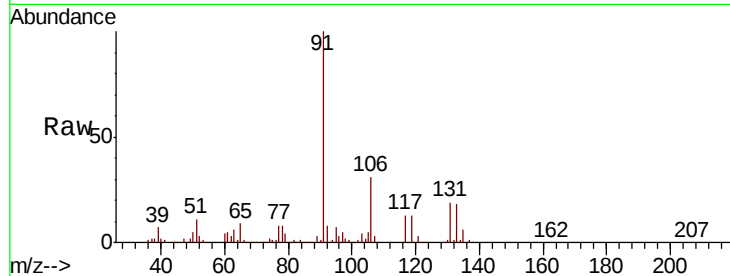




#67
Ethyl Benzene
Concen: 22.743 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

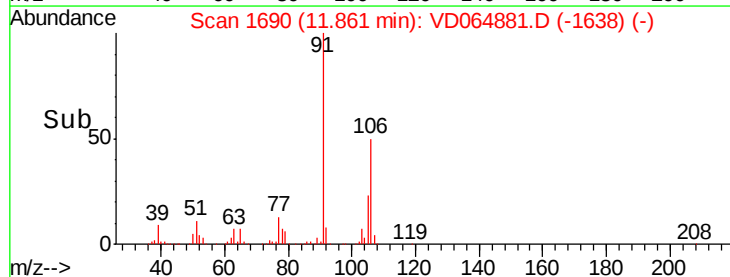
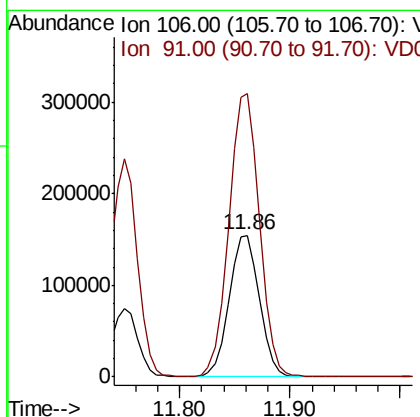
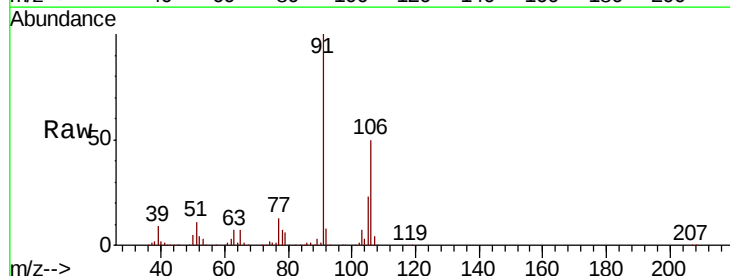
Instrument :
MSVOA_D
ClientSampleId :

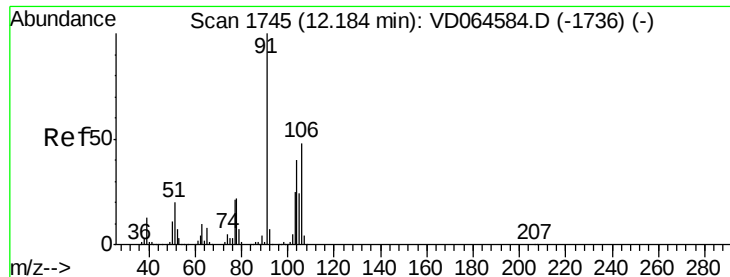
Tot Ion: 91 Resp: 391734
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8



#68
m/p-Xylenes
Concen: 44.804 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion: 106 Resp: 297864
Ion Ratio Lower Upper
106 100
91 201.7 156.3 234.5

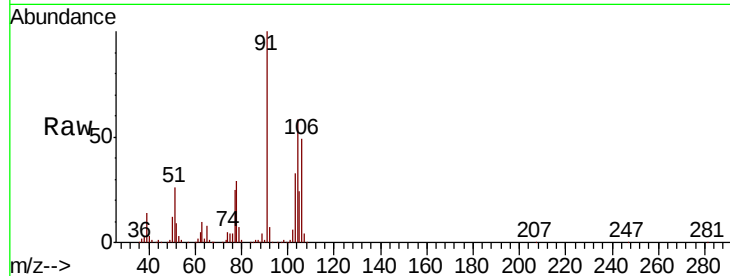




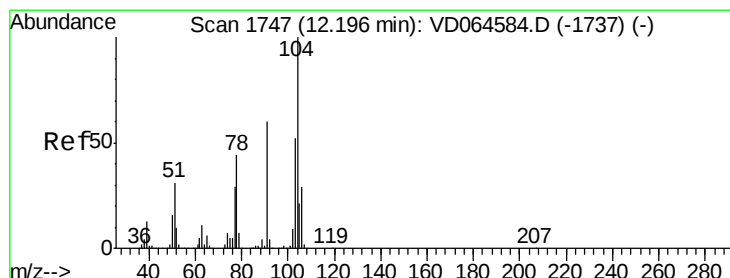
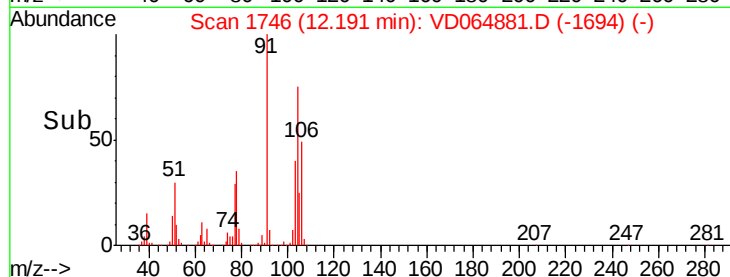
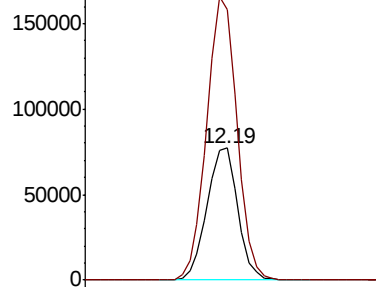
#69
o-Xylene
Concen: 21.610 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 129765
Ion Ratio Lower Upper
106 100
91 211.6 104.8 314.4

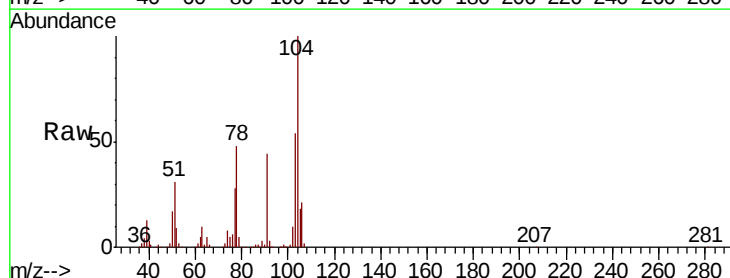


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

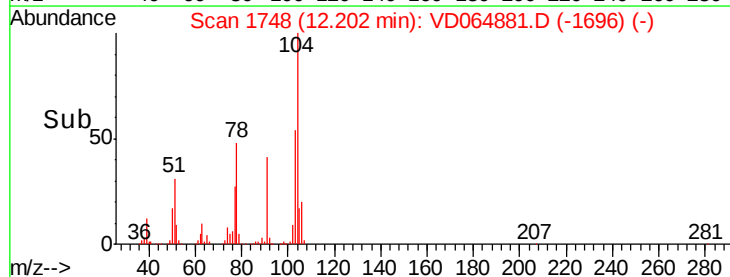
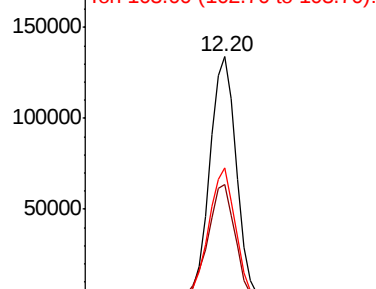


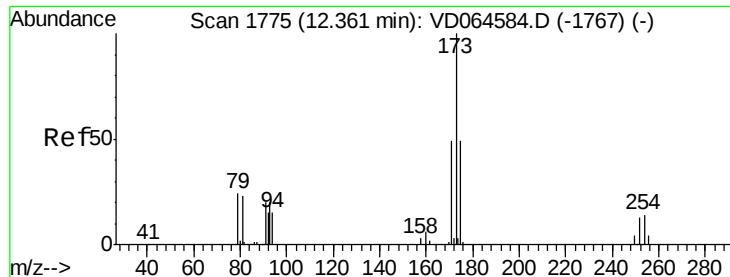
#70
Styrene
Concen: 21.652 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion:104 Resp: 228218
Ion Ratio Lower Upper
104 100
78 49.7 38.2 57.2
103 55.6 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: 19.029 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

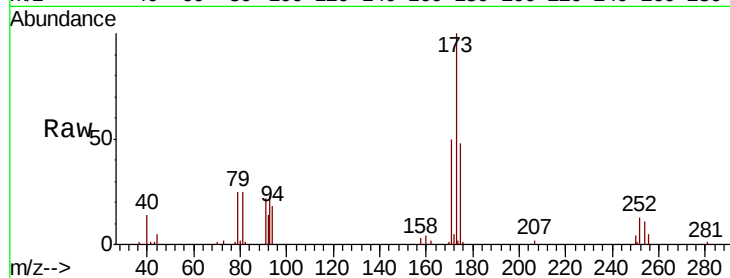
Tot Ion:173 Resp: 38822

Ion Ratio Lower Upper

173 100

175 53.3 24.6 73.8

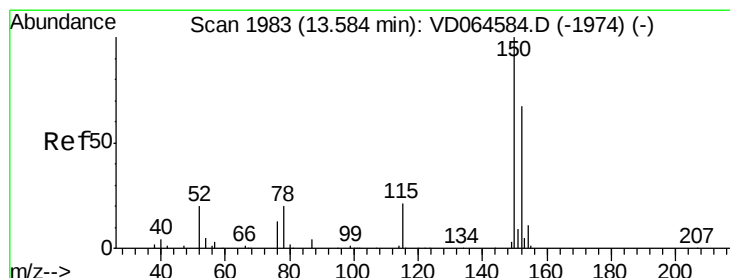
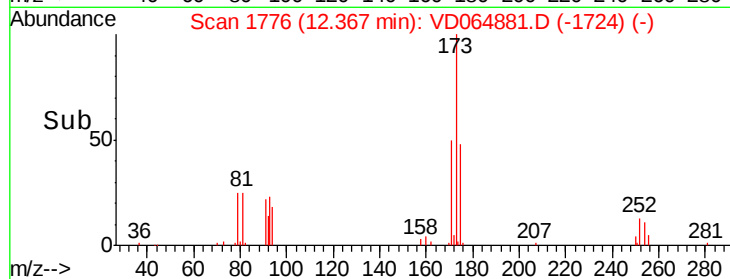
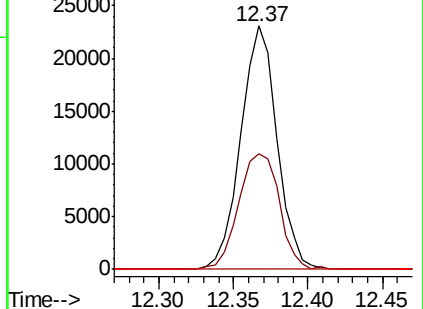
254 0.0 0.1 0.1#



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: VD064881.D

Acq: 20 Jan 2020 10:50

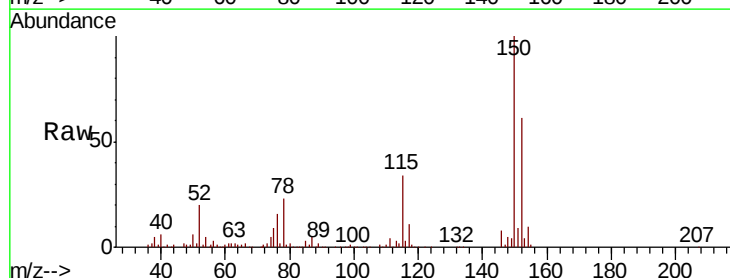
Tgt Ion:152 Resp: 223060

Ion Ratio Lower Upper

152 100

115 54.6 27.8 83.4

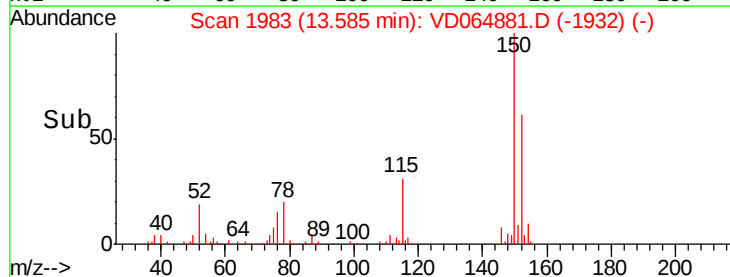
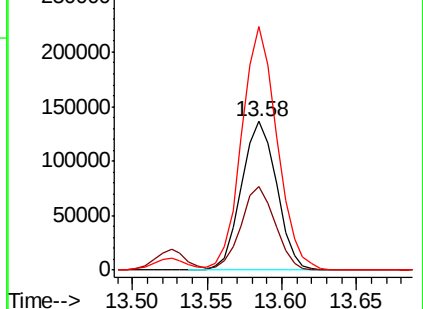
150 163.9 0.0 351.4

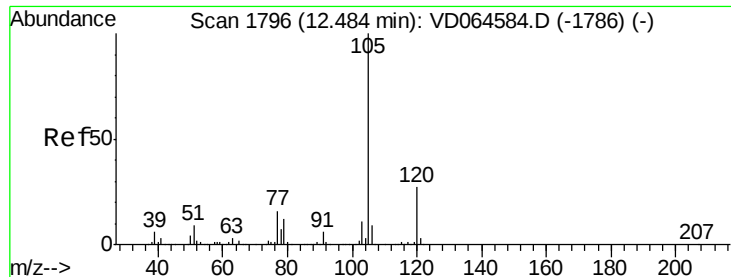


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.215 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

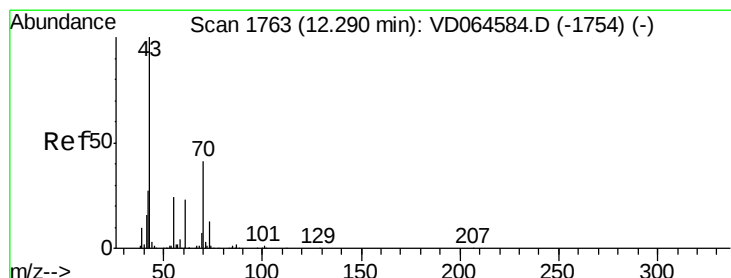
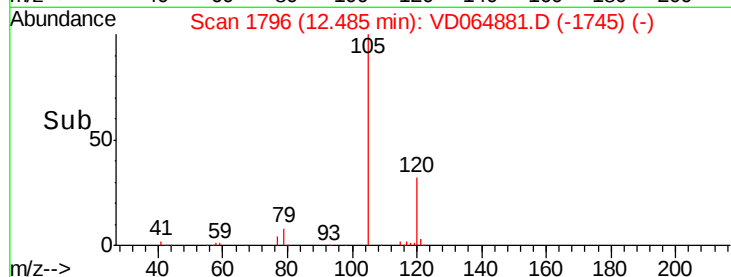
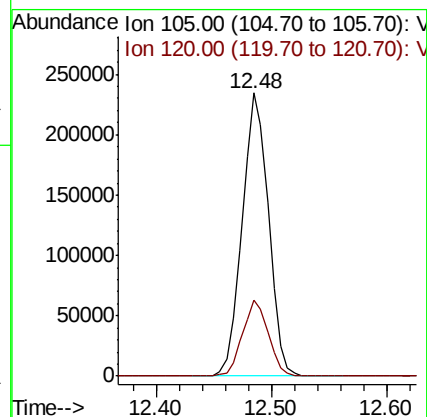
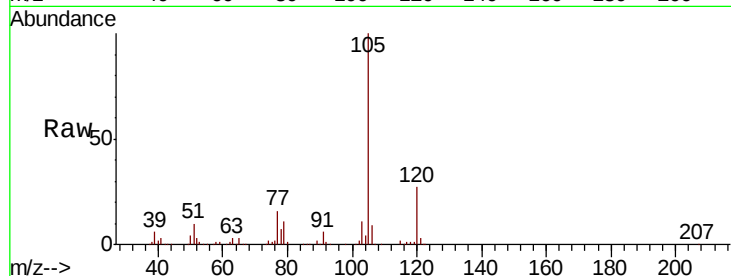
ClientSampled :

Tot Ion:105 Resp: 370051

Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.5



#74

N-ethyl acetate

Concen: 18.884 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Tgt Ion: 43 Resp: 64348

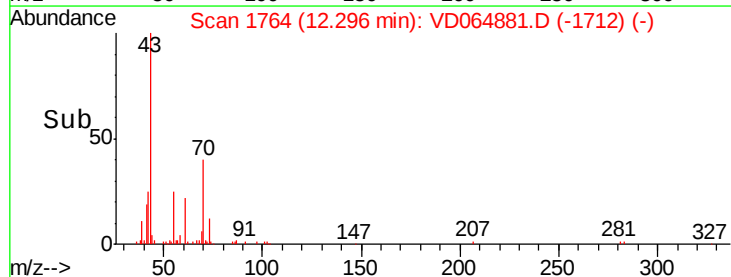
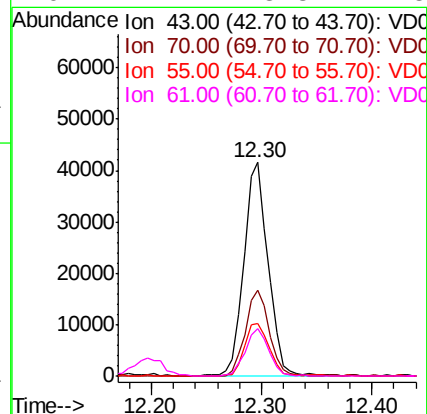
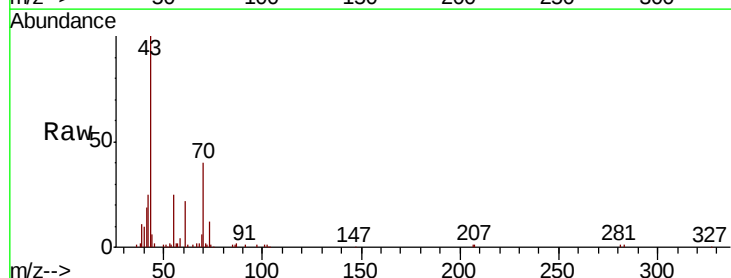
Ion Ratio Lower Upper

43 100

70 39.3 33.4 50.0

55 24.9 19.4 29.0

61 21.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.830 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

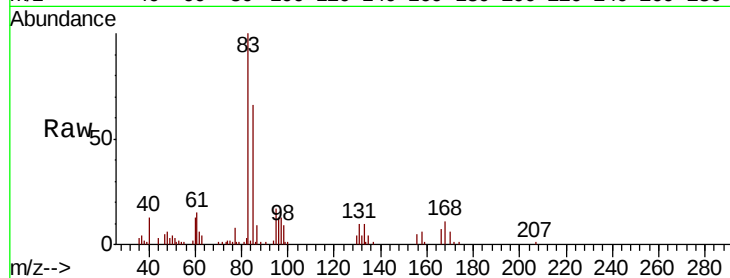
Tot Ion: 83 Resp: 49656

Ion Ratio Lower Upper

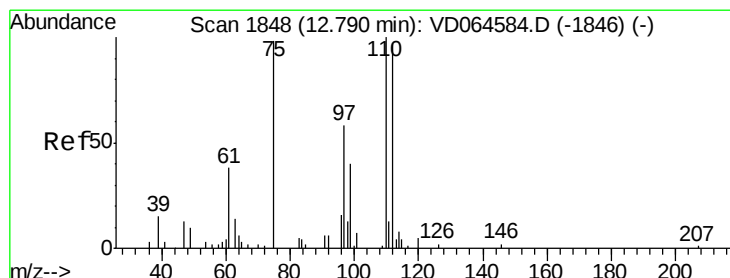
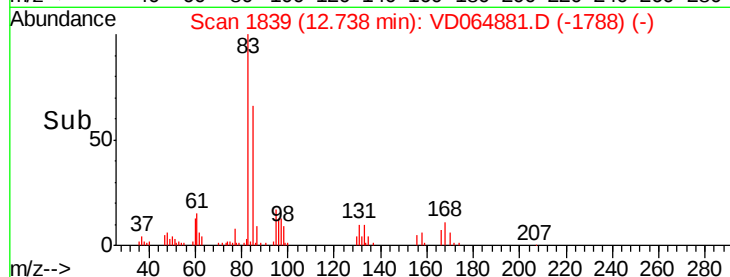
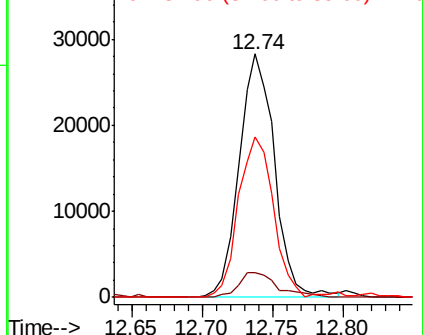
83 100

131 11.2 5.8 17.4

85 65.1 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: 39.264 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064881.D

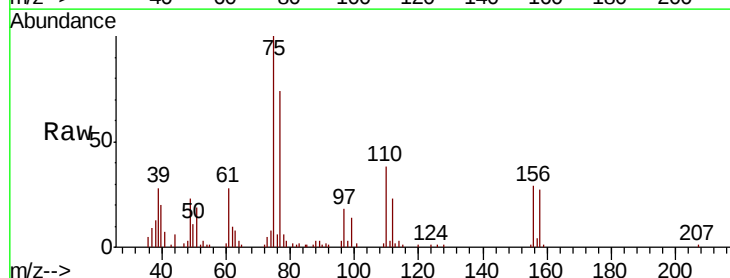
Acq: 20 Jan 2020 10:50

Tgt Ion: 75 Resp: 69161

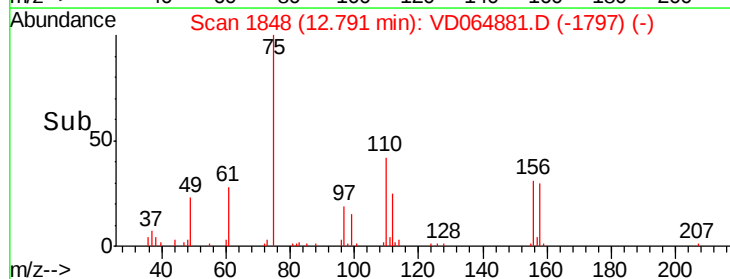
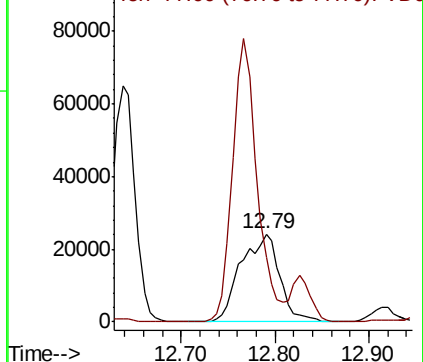
Ion Ratio Lower Upper

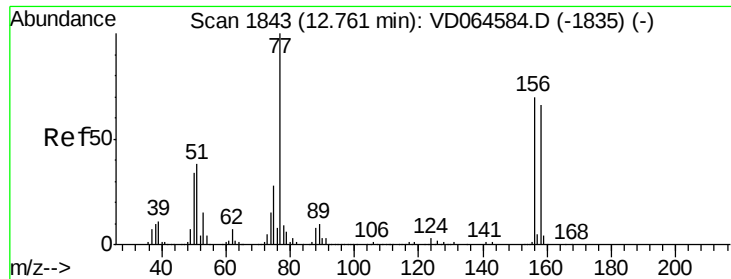
75 100

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: 22.104 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

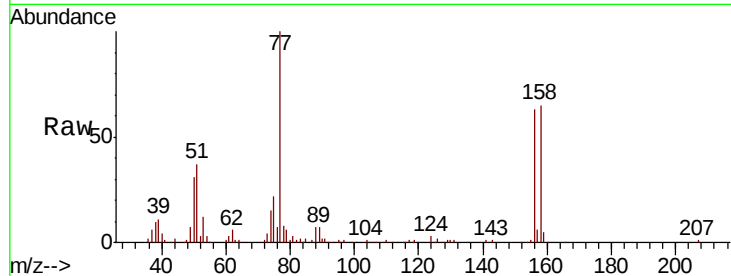
Tot Ion:156 Resp: 86575

Ion Ratio Lower Upper

156 100

77 164.3 80.9 242.7

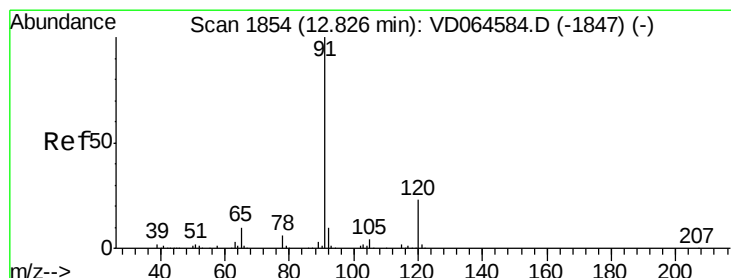
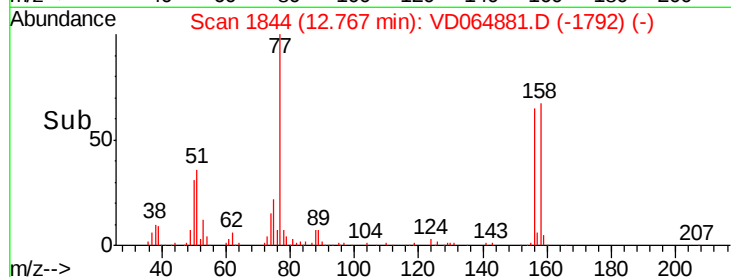
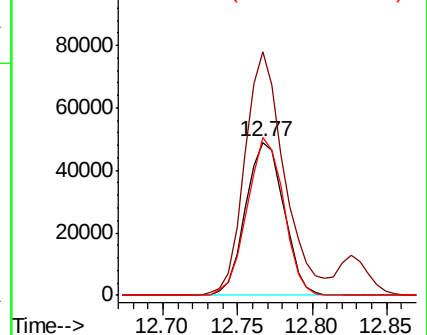
158 98.8 48.0 144.2



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: 23.771 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064881.D

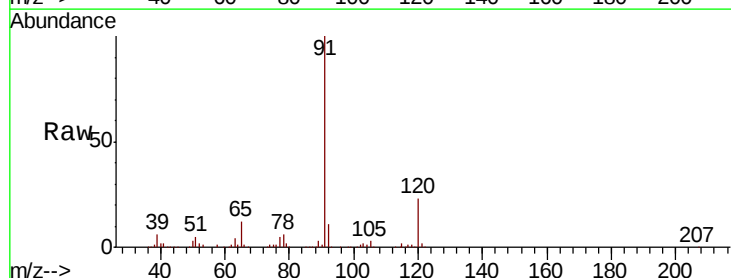
Acq: 20 Jan 2020 10:50

Tgt Ion: 91 Resp: 442064

Ion Ratio Lower Upper

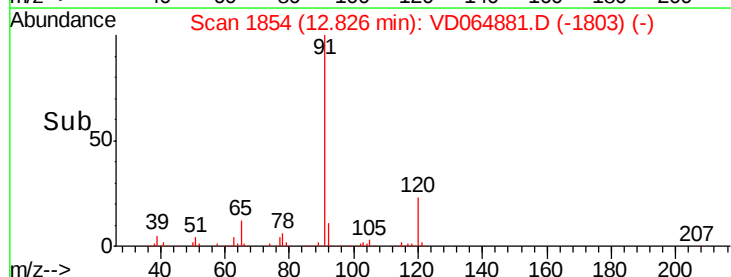
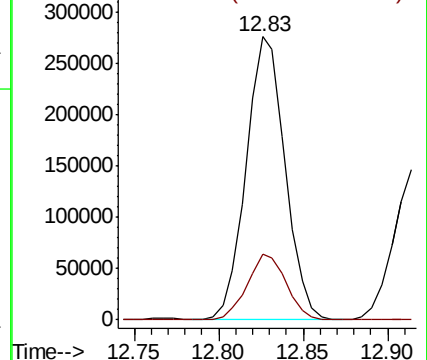
91 100

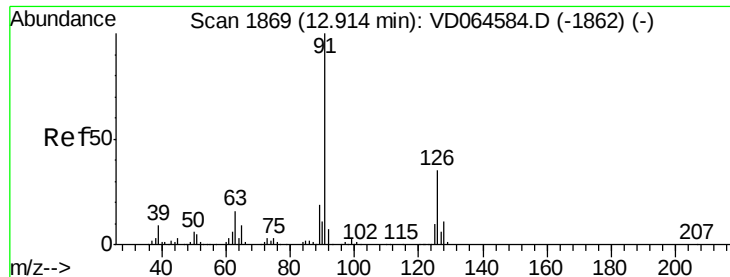
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.833 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

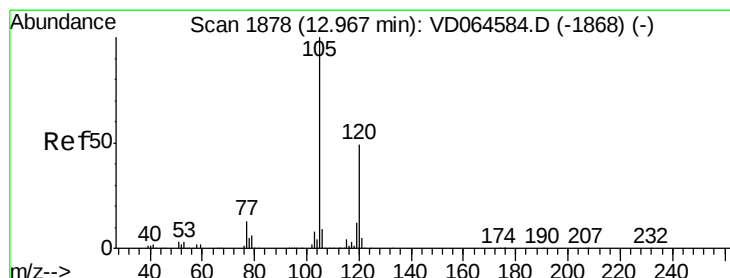
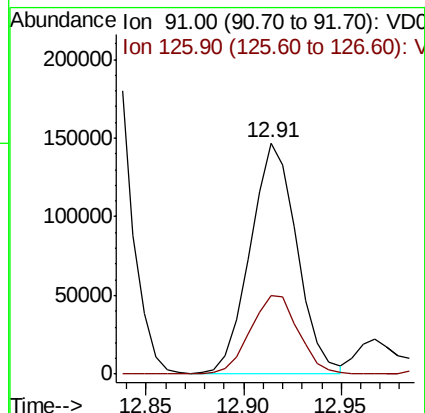
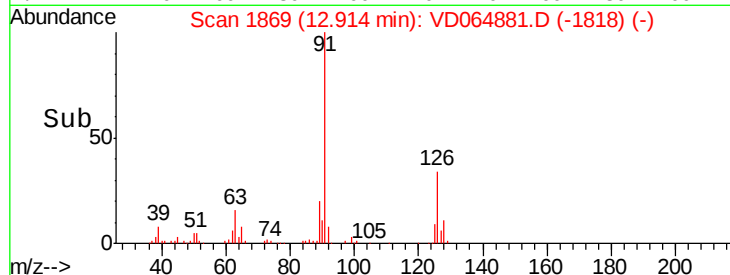
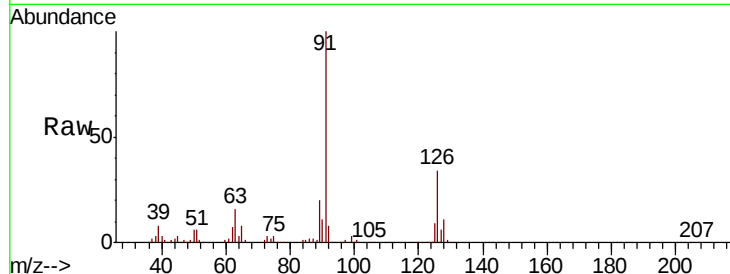
ClientSampleId :

Tot Ion: 91 Resp: 243469

Ion Ratio Lower Upper

91 100

126 35.0 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 23.123 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064881.D

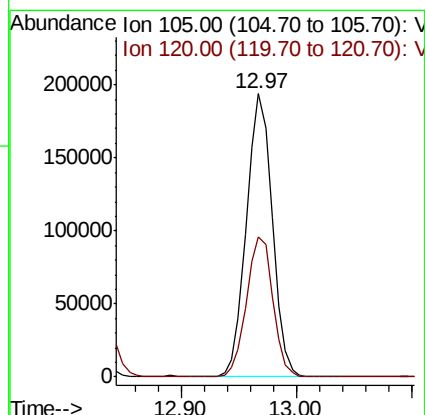
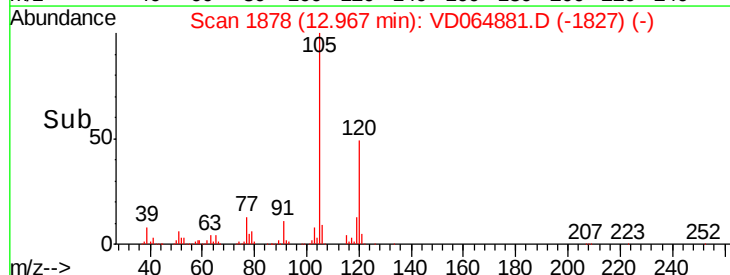
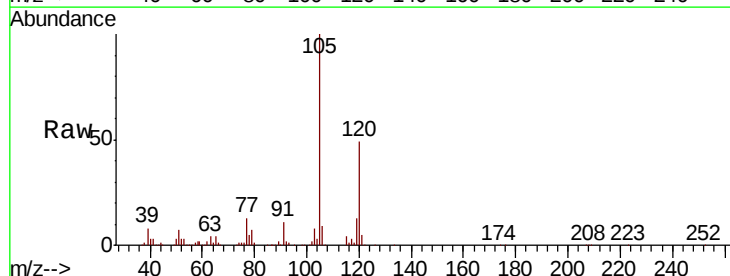
Acq: 20 Jan 2020 10:50

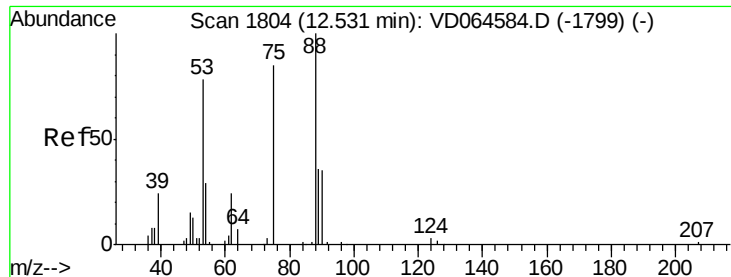
Tgt Ion:105 Resp: 302779

Ion Ratio Lower Upper

105 100

120 50.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.980 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

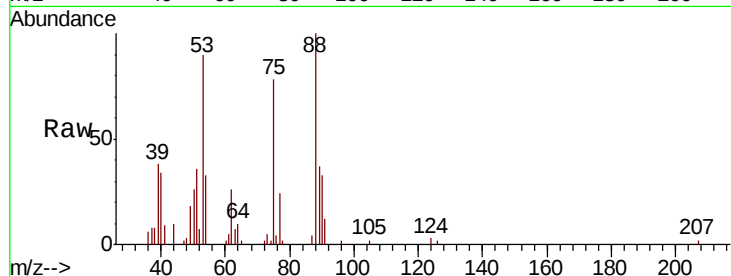
Instrument :

MSVOA_D

ClientSampleID :

Tot Ion: 75 Resp: 15985

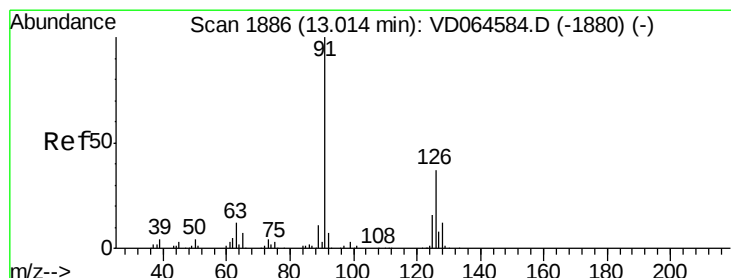
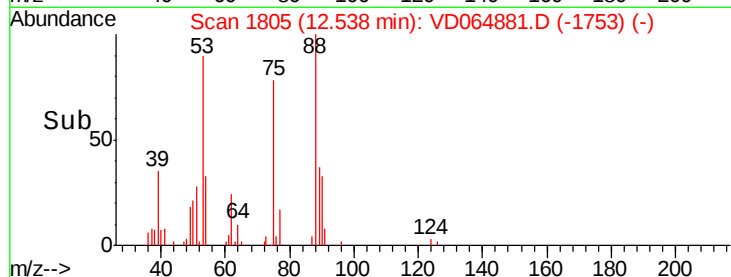
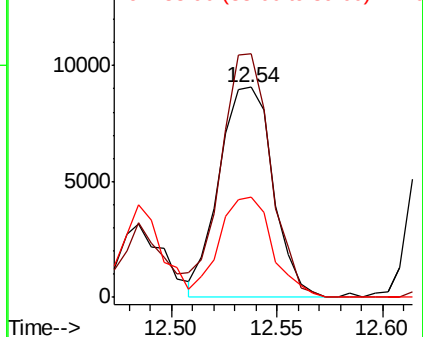
Ion	Ratio	Lower	Upper
75	100		
53	108.9	78.8	118.2
89	47.2	38.3	57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 23.263 ug/l

RT: 13.01 min Scan# 1886

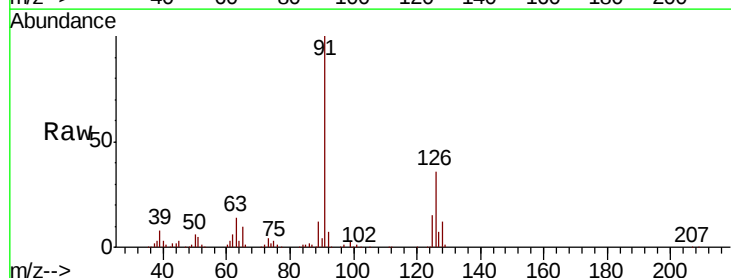
Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

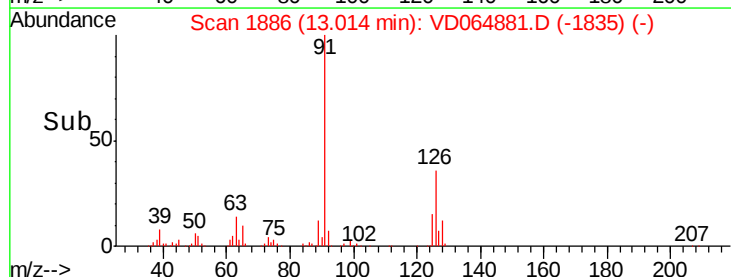
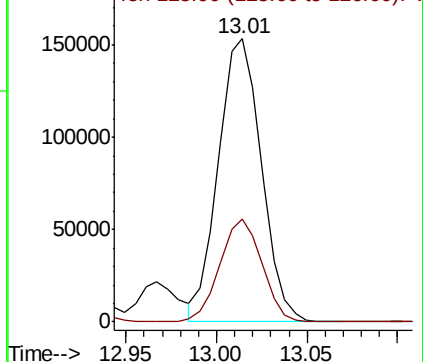
Tgt Ion: 91 Resp: 252905

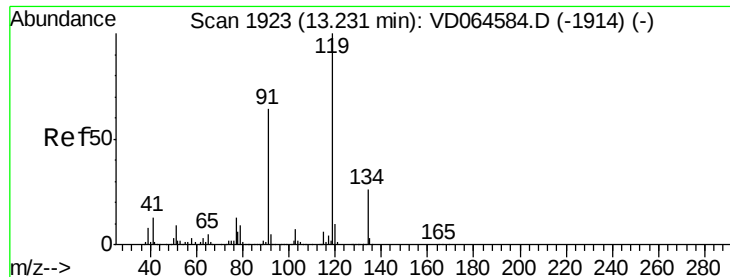
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 23.001 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

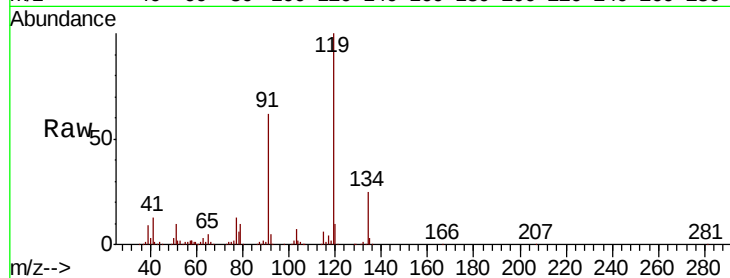
Tot Ion:119 Resp: 261496

Ion Ratio Lower Upper

119 100

91 64.8 30.8 92.4

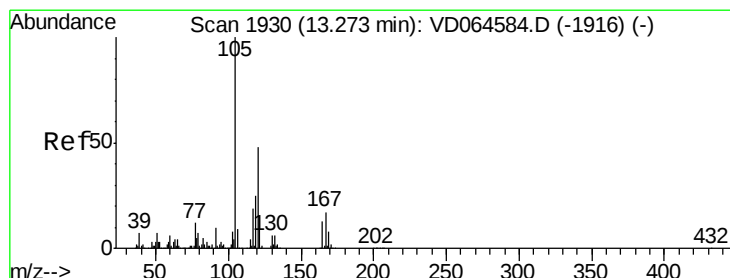
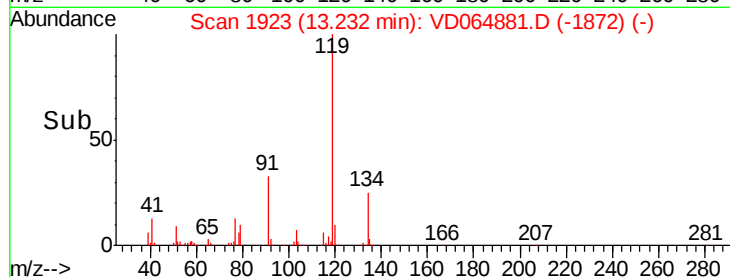
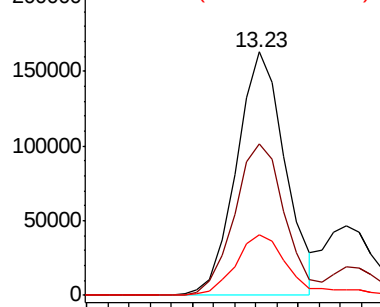
134 27.6 12.8 38.3



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: 23.045 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.01 min

Lab File: VD064881.D

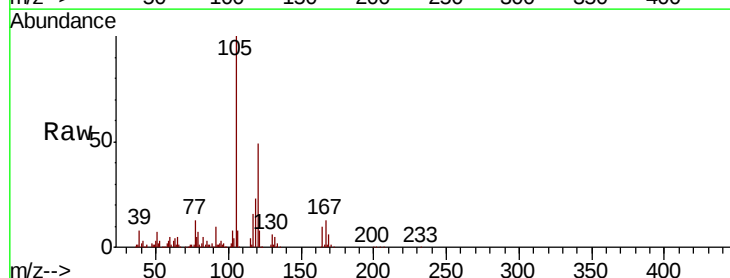
Acq: 20 Jan 2020 10:50

Tgt Ion:105 Resp: 300526

Ion Ratio Lower Upper

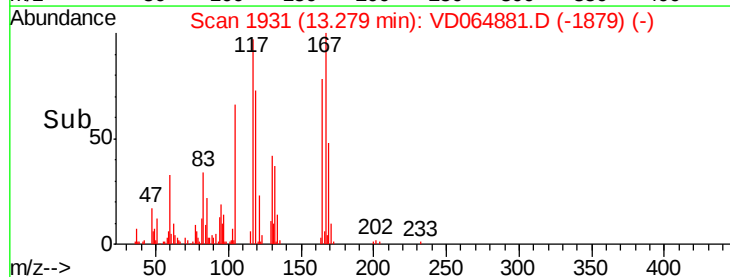
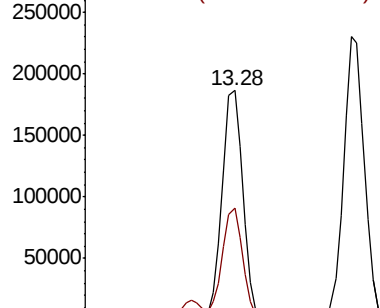
105 100

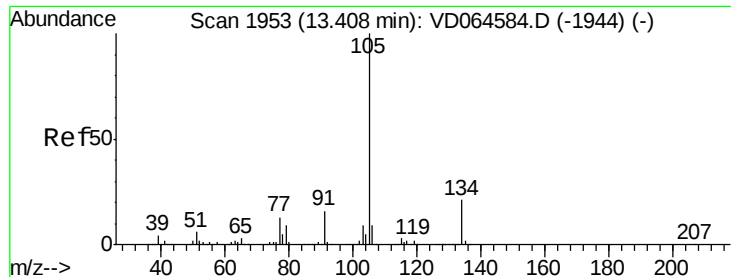
120 47.7 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 23.526 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

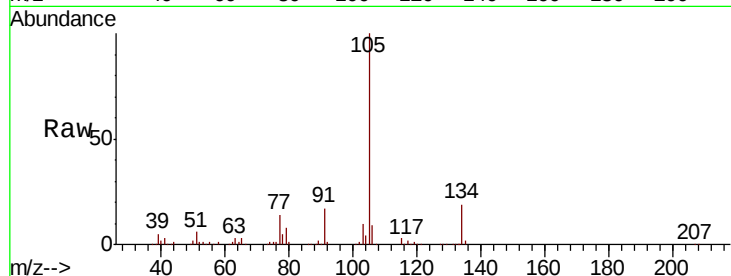
ClientSampled :

Tot Ion:105 Resp: 366682

Ion Ratio Lower Upper

105 100

134 20.3 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

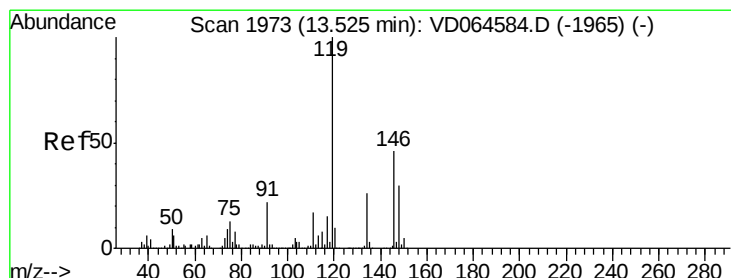
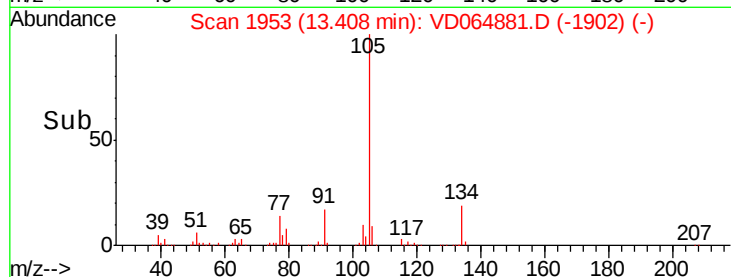
150000

100000

50000

0

Time--> 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 22.918 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

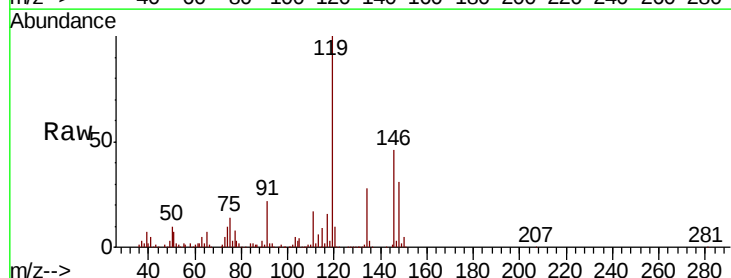
Tgt Ion:119 Resp: 341553

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.6 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

300000

250000

200000

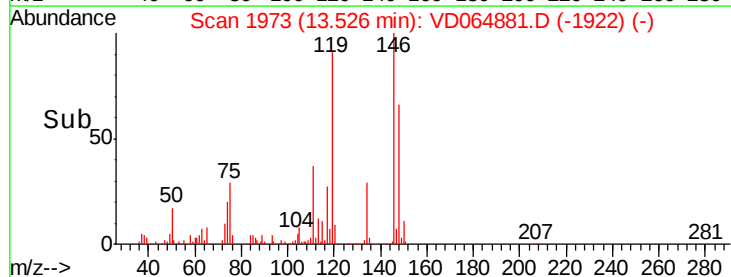
150000

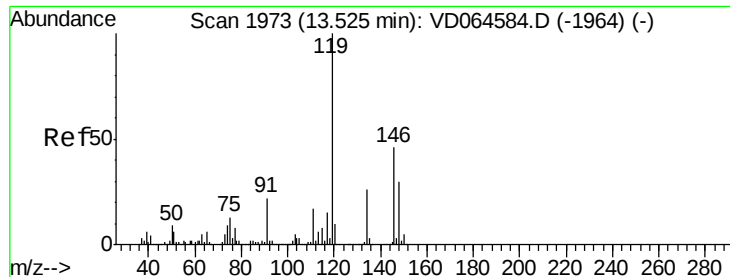
100000

50000

0

Time--> 13.45 13.50 13.55 13.60

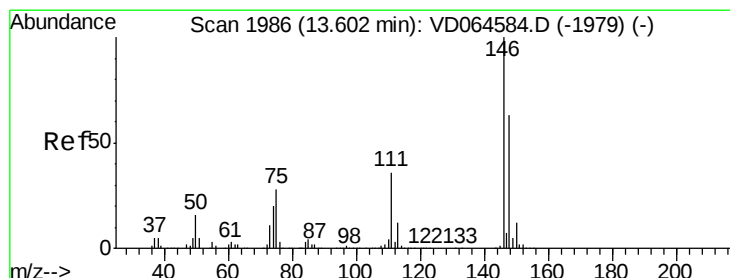
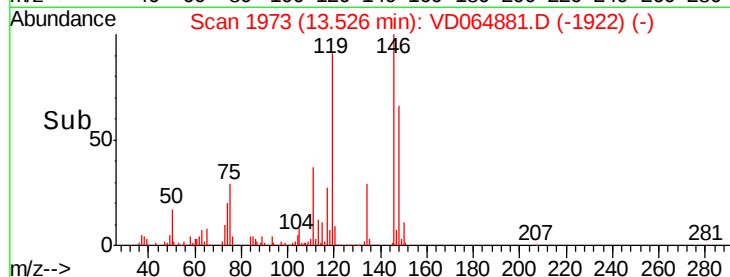
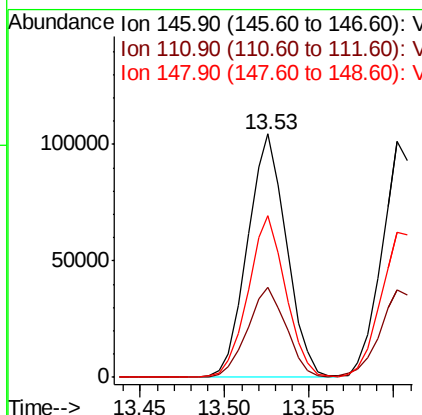
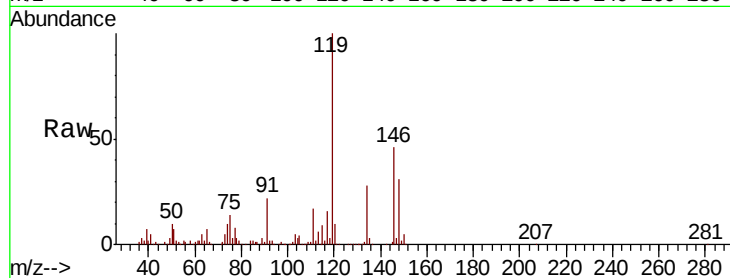




#87
 1,3-Dichlorobenzene
 Concen: 22.446 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

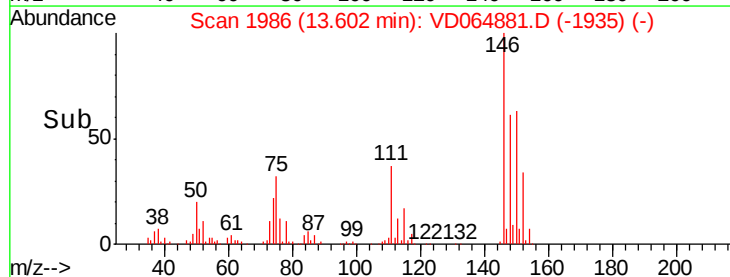
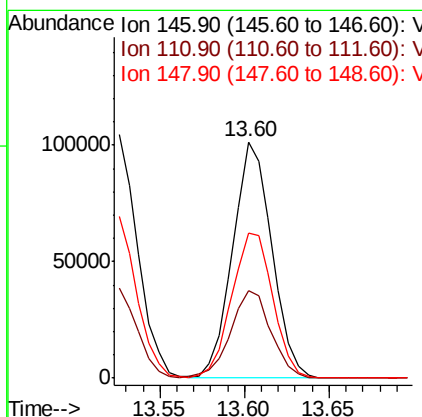
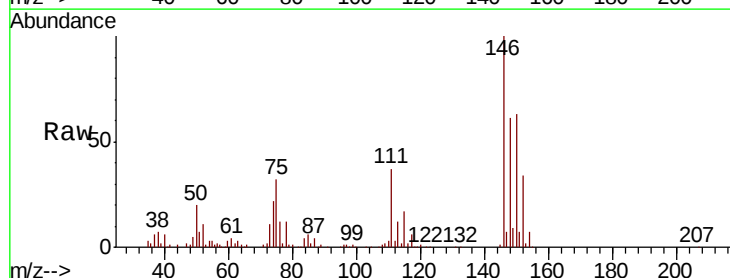
Instrument :
 MSVOA_D
 ClientSampleID :

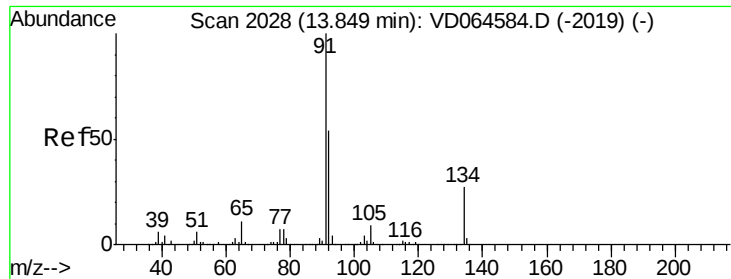
Tot Ion:146 Resp: 167600
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.4
 148 64.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 22.356 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion:146 Resp: 163985
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.1 54.1
 148 64.5 32.3 96.9

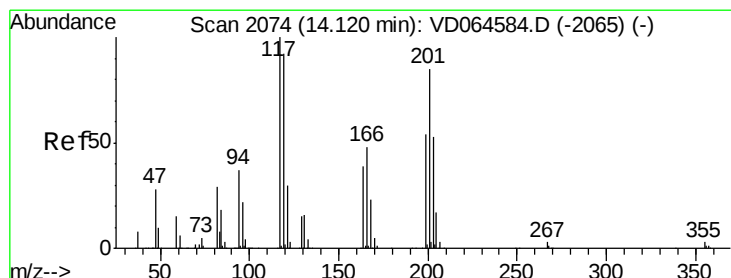
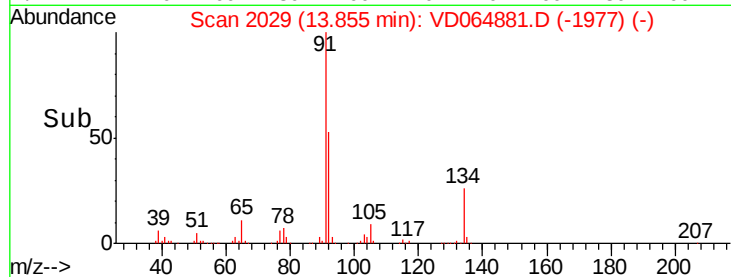
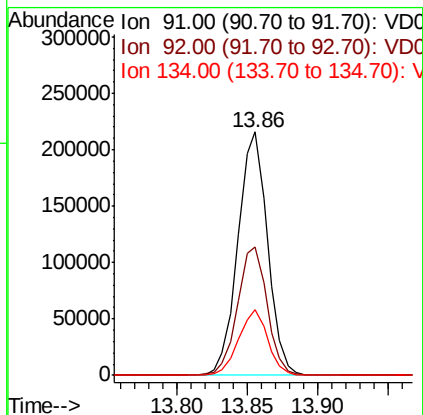
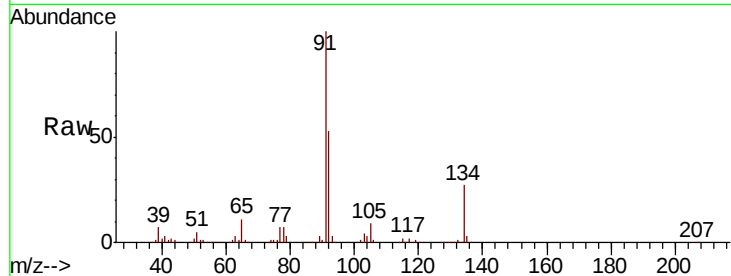




#89
n-Butylbenzene
Concen: 23.591 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

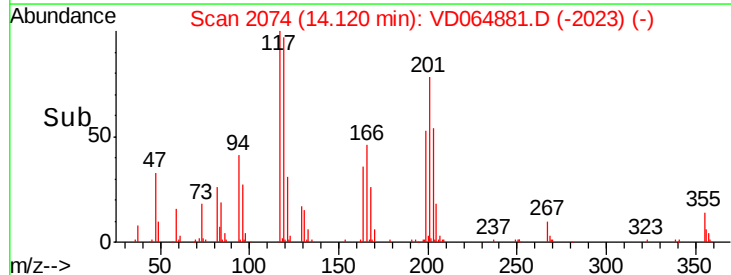
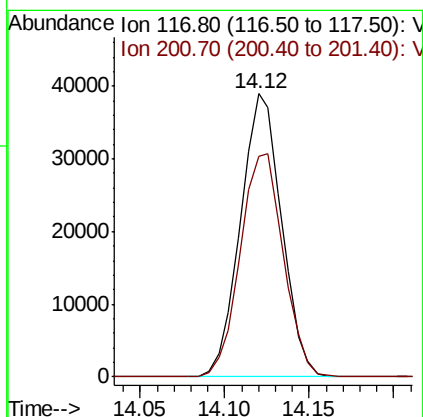
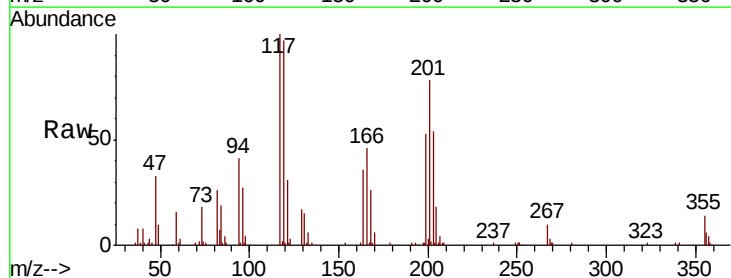
Instrument :
MSVOA_D
ClientSampleId :

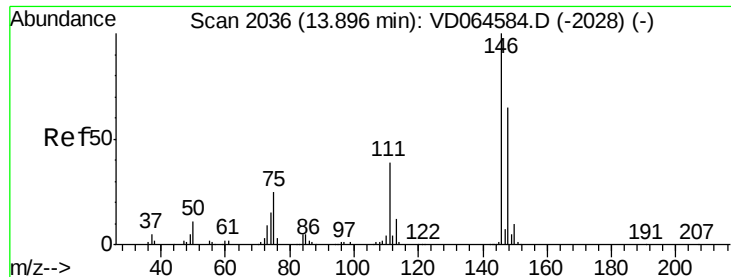
Tot Ion: 91 Resp: 316624
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.4
134 26.5 14.0 41.9



#90
Hexachloroethane
Concen: 23.198 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion: 117 Resp: 66042
Ion Ratio Lower Upper
117 100
201 82.6 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 21.937 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

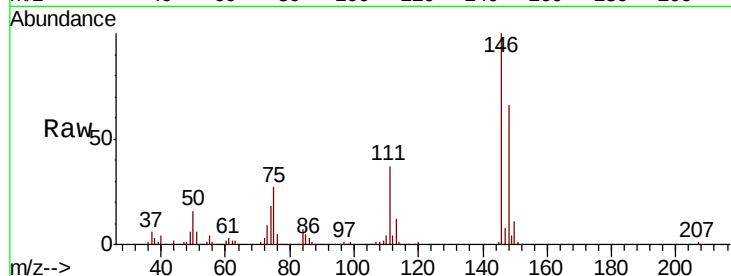
Tot Ion:146 Resp: 139673

Ion Ratio Lower Upper

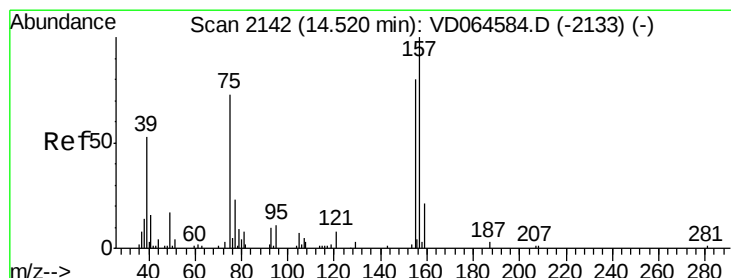
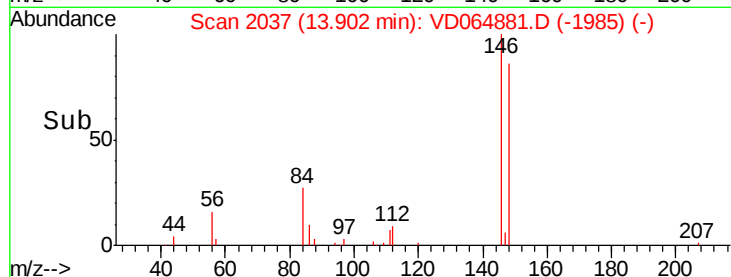
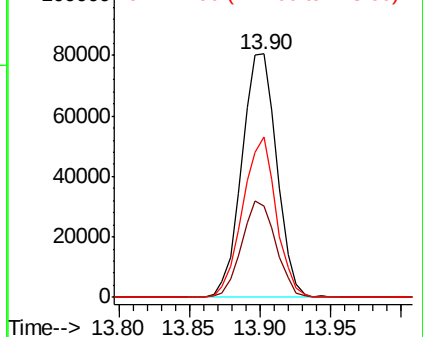
146 100

111 39.0 19.3 57.9

148 63.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.954 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064881.D

Acq: 20 Jan 2020 10:50

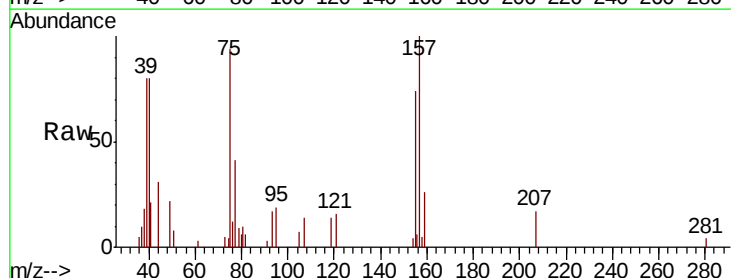
Tgt Ion: 75 Resp: 7694

Ion Ratio Lower Upper

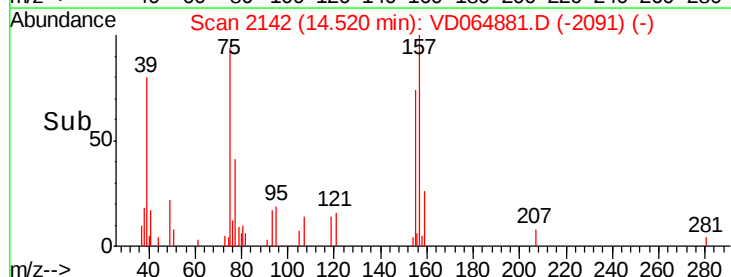
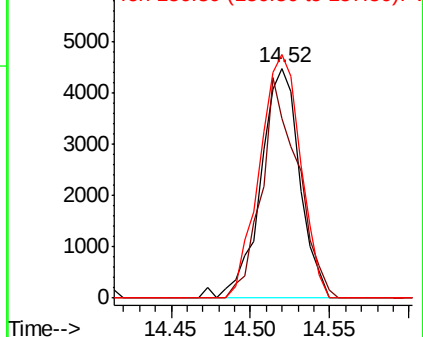
75 100

155 89.7 48.0 144.0

157 111.1 64.1 192.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

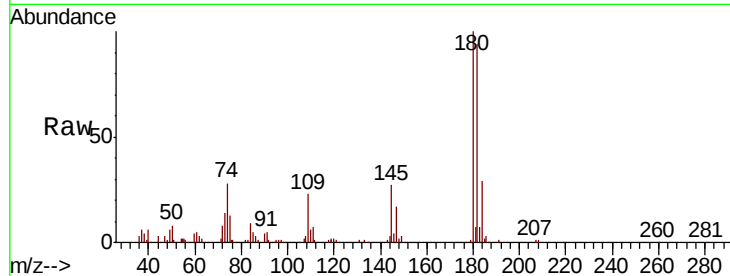




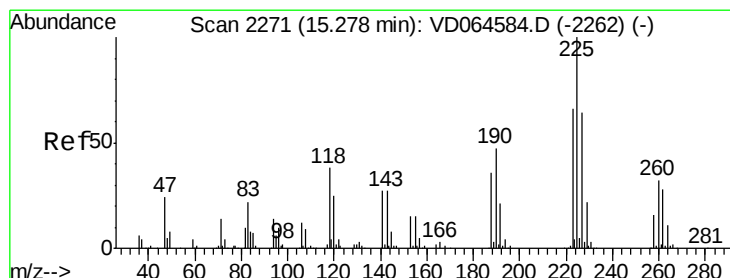
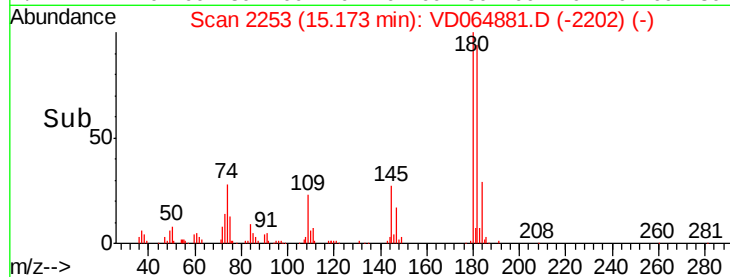
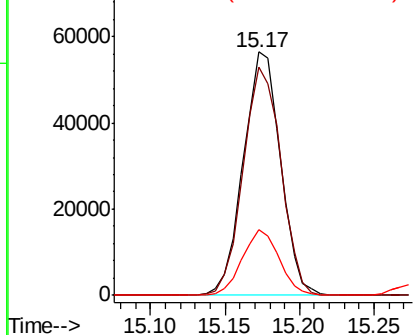
#93
 1,2,4-Trichlorobenzene
 Concen: 20.729 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 97178
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.2
 145 26.7 13.8 41.4

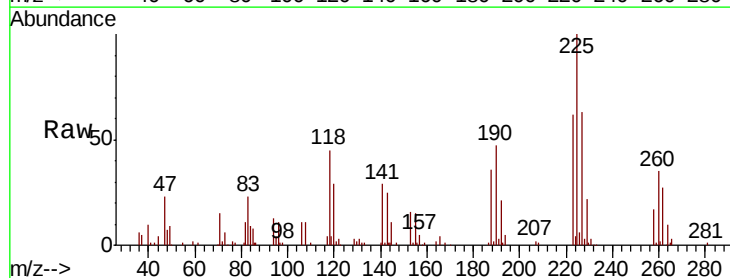


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

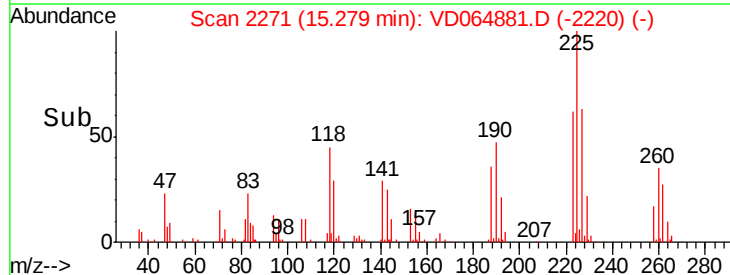
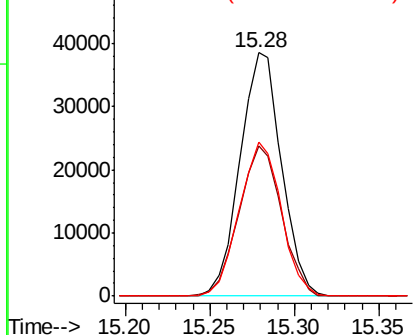


#94
 Hexachlorobutadiene
 Concen: 22.257 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064881.D
 Acq: 20 Jan 2020 10:50

Tgt Ion:225 Resp: 65658
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.1 93.2
 227 63.9 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

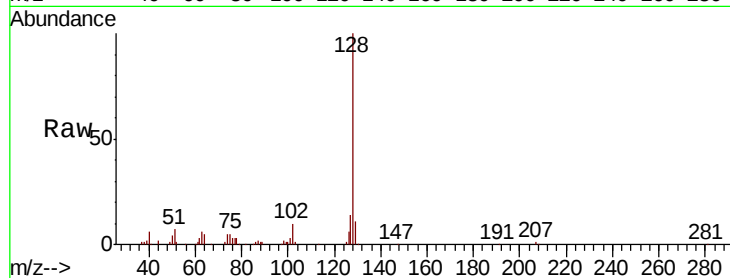




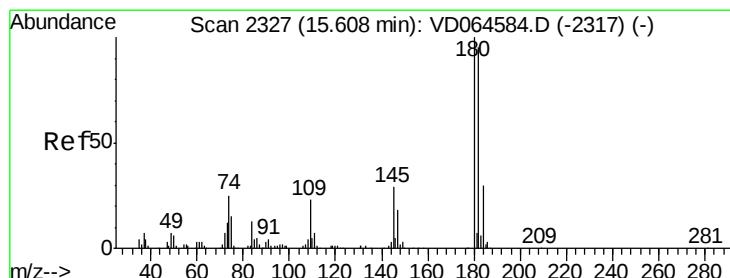
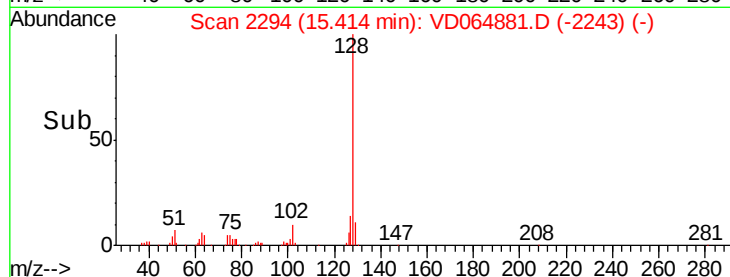
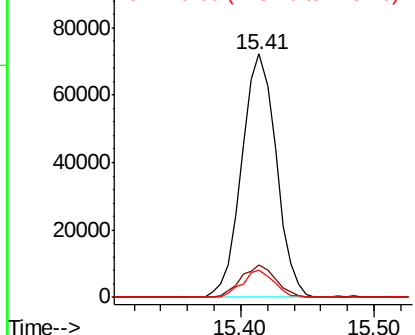
#95
Naphthalene
Concen: 17.430 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 129272
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 10.5 8.5 12.7

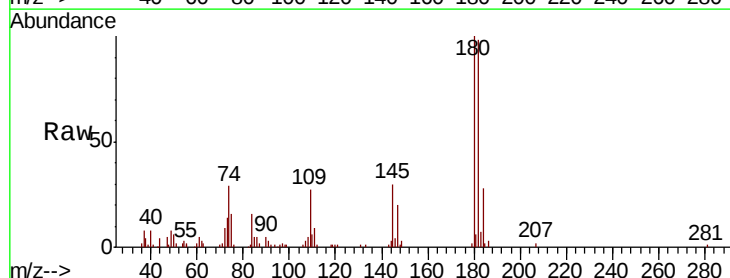


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.185 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064881.D
Acq: 20 Jan 2020 10:50

Tgt Ion:180 Resp: 80783
Ion Ratio Lower Upper
180 100
182 93.3 47.9 143.7
145 30.6 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

