

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064913.D
 Acq On : 21 Jan 2020 17:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 22 05:28:28 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	352343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	509409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	463164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232916	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	155744	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.92	113	163445	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	10.34	98	623855	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.64	95	199098	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	116526	42.555	ug/l	95
3) Chloromethane	2.21	50	166261	43.415	ug/l	99
4) Vinyl Chloride	2.35	62	208745	44.706	ug/l	98
5) Bromomethane	2.77	94	141831	41.776	ug/l	98
6) Chloroethane	2.93	64	142475	45.538	ug/l	97
7) Trichlorofluoromethane	3.27	101	356340	45.324	ug/l	99
8) Diethyl Ether	3.71	74	71466	45.776	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	170076	52.235	ug/l	98
10) Methyl Iodide	4.30	142	165691	47.375	ug/l	99
11) Tert butyl alcohol	5.25	59	39925	224.224	ug/l	97
12) 1,1-Dichloroethene	4.06	96	147129	47.463	ug/l	90
13) Acrolein	3.93	56	22817	91.948	ug/l	95
14) Allyl chloride	4.71	41	241672	50.004	ug/l	98
15) Acrylonitrile	5.43	53	141573	217.703	ug/l	98
16) Acetone	4.17	43	151868	230.266	ug/l	97
17) Carbon Disulfide	4.40	76	412856	41.190	ug/l	99
18) Methyl Acetate	4.73	43	72629	41.522	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	324442	47.121	ug/l	96
20) Methylene Chloride	4.96	84	180718	57.618	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	173845	49.244	ug/l	100
22) Diisopropyl ether	6.37	45	503113	52.190	ug/l	97
23) Vinyl Acetate	6.31	43	1300235	237.773	ug/l	99
24) 1,1-Dichloroethane	6.27	63	308392	53.289	ug/l	97
25) 2-Butanone	7.22	43	192515	225.423	ug/l	97
26) 2,2-Dichloropropane	7.21	77	289289	53.764	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	188925	49.587	ug/l	95
28) Bromochloromethane	7.55	49	115741	51.448	ug/l	97
29) Tetrahydrofuran	7.57	42	115964	218.350	ug/l	96
30) Chloroform	7.71	83	322458	53.108	ug/l	100
31) Cyclohexane	7.98	56	275614	47.577	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	304705	53.429	ug/l	100
36) 1,1-Dichloropropene	8.11	75	253370	51.676	ug/l	98
37) Ethyl Acetate	7.30	43	84923	44.089	ug/l	98
38) Carbon Tetrachloride	8.10	117	278866	53.340	ug/l	96

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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)
39) Methylcyclohexane	9.36	83	294325	49.562	ug/l	99
40) Benzene	8.36	78	687702	51.379	ug/l	100
41) Methacrylonitrile	7.53	41	57010	51.013	ug/l	93
42) 1,2-Dichloroethane	8.43	62	192586	49.791	ug/l	99
43) Isopropyl Acetate	8.46	43	171416	44.711	ug/l	99
44) Trichloroethene	9.11	130	196441	49.959	ug/l	99
45) 1,2-Dichloropropane	9.39	63	165027	51.639	ug/l	99
46) Dibromomethane	9.48	93	84745	47.562	ug/l	97
47) Bromodichloromethane	9.67	83	245593	51.800	ug/l	91
48) Methyl methacrylate	9.46	41	82890	45.917	ug/l	97
49) 1,4-Dioxane	9.47	88	16935	824.290	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	426154	224.883	ug/l	99
52) Toluene	10.41	92	444166	50.580	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	217836	49.280	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	267588	51.339	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	115174	47.965	ug/l	96
56) Ethyl methacrylate	10.67	69	138967	46.340	ug/l	97
57) 1,3-Dichloropropane	10.95	76	200416	48.475	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	258291	226.070	ug/l	99
59) 2-Hexanone	10.99	43	291059	226.298	ug/l	100
60) Dibromochloromethane	11.14	129	162700	48.997	ug/l	100
61) 1,2-Dibromoethane	11.25	107	109098	46.064	ug/l	99
64) Tetrachloroethene	10.88	164	167322	47.089	ug/l	96
65) Chlorobenzene	11.67	112	475814	49.497	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	181406	50.058	ug/l	99
67) Ethyl Benzene	11.75	91	895544	51.326	ug/l	98
68) m/p-Xylenes	11.86	106	683330	101.466	ug/l	98
69) o-Xylene	12.18	106	312579	51.386	ug/l	100
70) Styrene	12.20	104	540450	50.616	ug/l	99
71) Bromoform	12.37	173	92876	44.941	ug/l #	99
73) Isopropylbenzene	12.48	105	857488	51.517	ug/l	100
74) N-amyl acetate	12.30	43	156432	43.966	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	118447	45.300	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	160697	87.371	ug/l #	100
77) Bromobenzene	12.77	156	197078	48.187	ug/l	99
78) n-propylbenzene	12.83	91	1014209	52.230	ug/l	99
79) 2-Chlorotoluene	12.91	91	543589	50.959	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	700090	51.203	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	38114	43.341	ug/l	95
82) 4-Chlorotoluene	13.01	91	568108	50.045	ug/l	100
83) tert-Butylbenzene	13.23	119	631939	53.232	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	702667	51.601	ug/l	98
85) sec-Butylbenzene	13.41	105	869119	53.402	ug/l	100
86) p-Isopropyltoluene	13.53	119	815976	52.434	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	387419	49.691	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	381159	49.765	ug/l	99
89) n-Butylbenzene	13.85	91	749855	53.507	ug/l	99
90) Hexachloroethane	14.12	117	152530	51.311	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	325346	48.937	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19121	45.110	ug/l	95

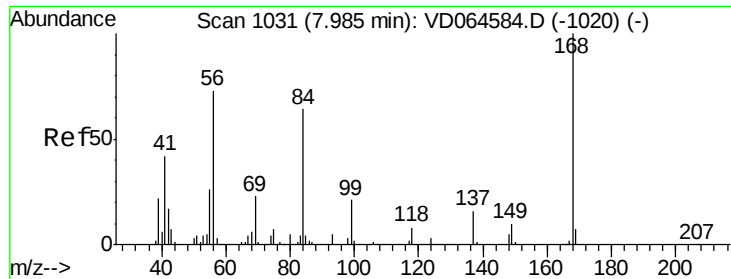
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	234756	47.957	ug/l	98
94) Hexachlorobutadiene	15.28	225	151264	49.106	ug/l	98
95) Naphthalene	15.41	128	343466	44.351	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	195911	46.880	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

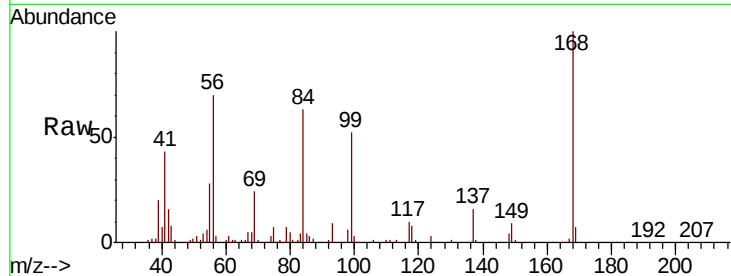
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 352343

Ion Ratio Lower Upper

168 100

99 51.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

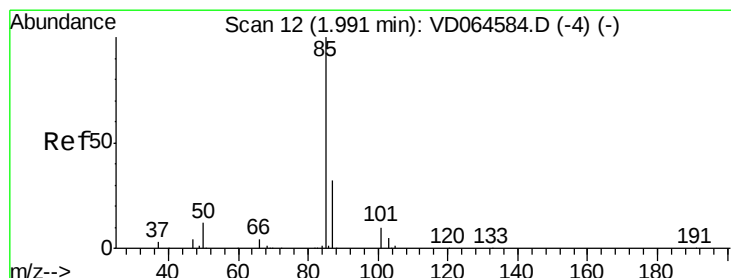
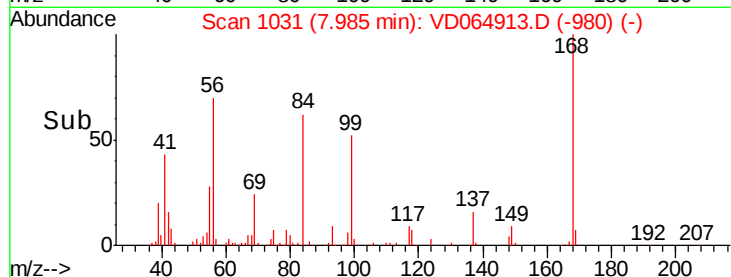
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.555 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064913.D

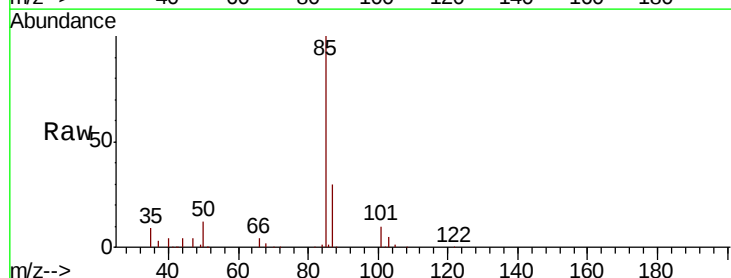
Acq: 21 Jan 2020 17:06

Tgt Ion: 85 Resp: 116526

Ion Ratio Lower Upper

85 100

87 29.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

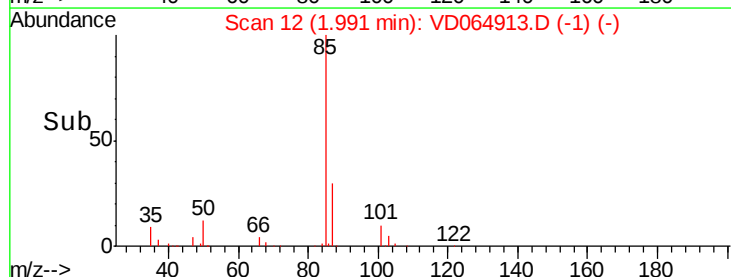
40000

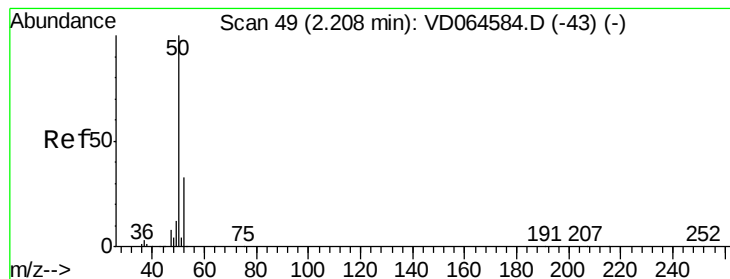
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 43.415 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

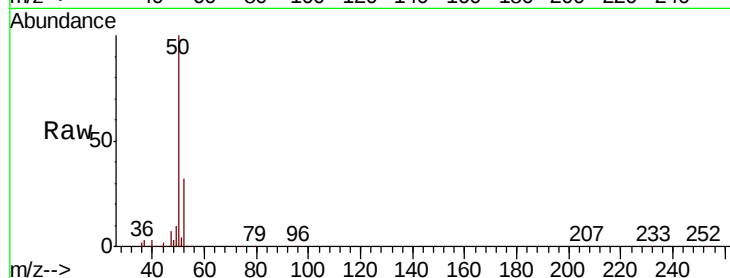
ClientSampleId :

Tot Ion: 50 Resp: 166261

Ion Ratio Lower Upper

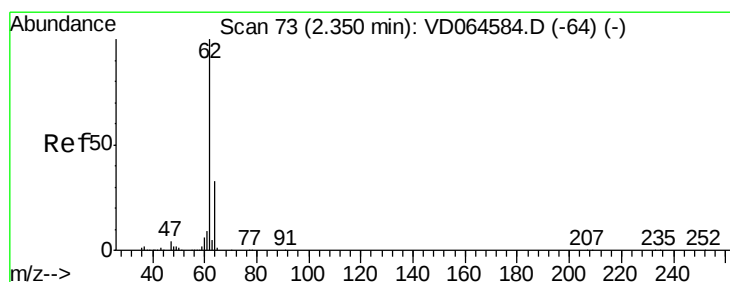
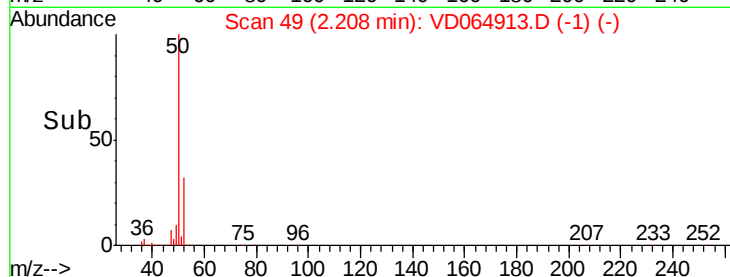
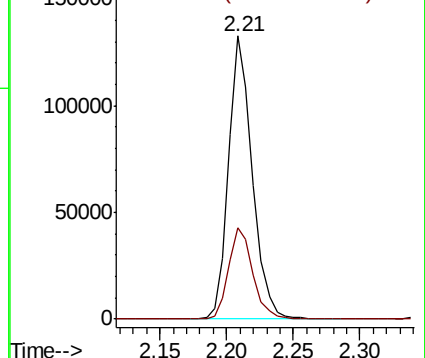
50 100

52 32.3 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: 44.706 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064913.D

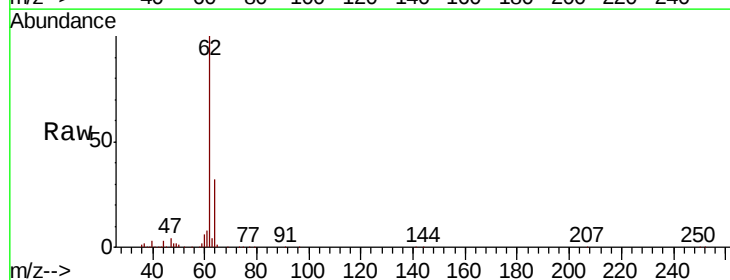
Acq: 21 Jan 2020 17:06

Tgt Ion: 62 Resp: 208745

Ion Ratio Lower Upper

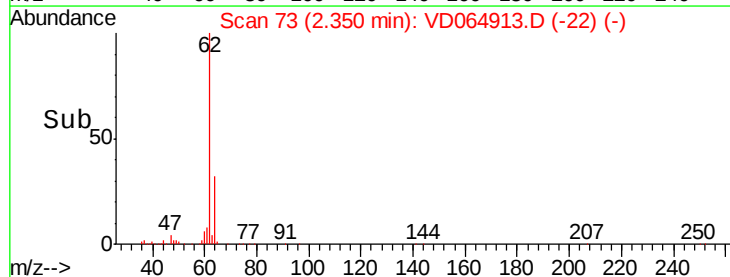
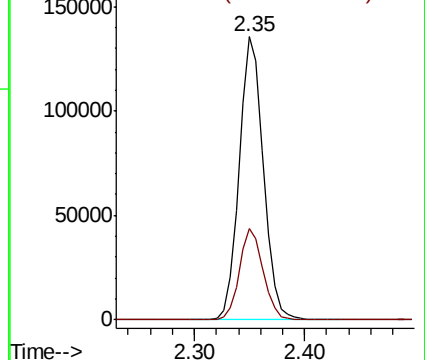
62 100

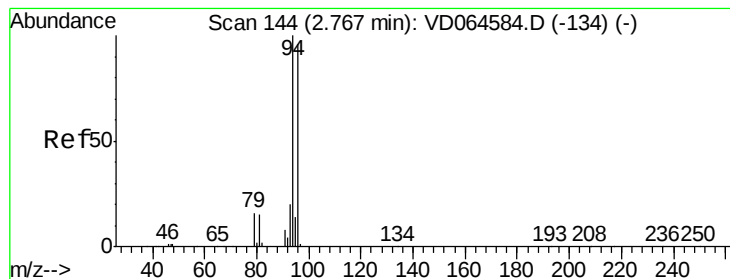
64 32.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 41.776 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

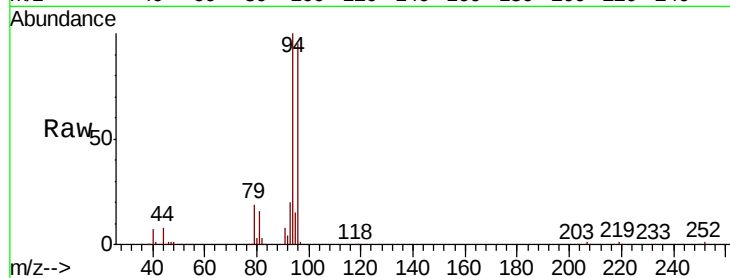
ClientSampleId :

Tot Ion: 94 Resp: 141831

Ion Ratio Lower Upper

94 100

96 95.0 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

60000

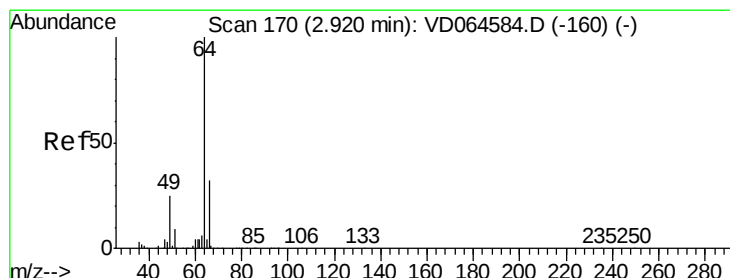
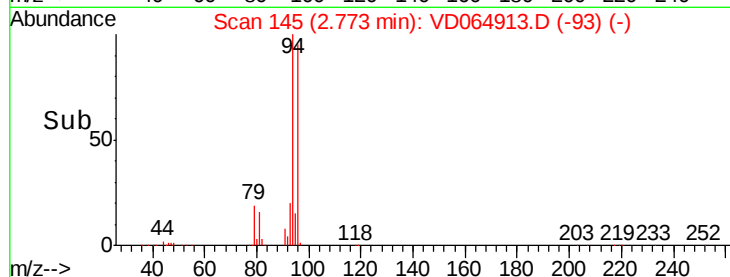
40000

20000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 45.538 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064913.D

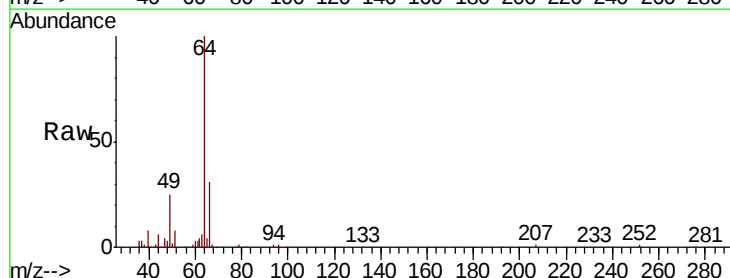
Acq: 21 Jan 2020 17:06

Tgt Ion: 64 Resp: 142475

Ion Ratio Lower Upper

64 100

66 30.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

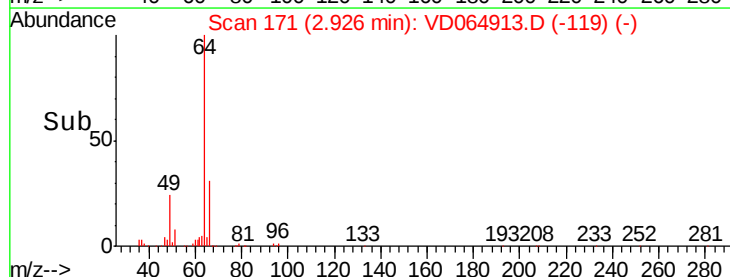
40000

20000

0

2.85 2.90 2.95 3.00

Time-->



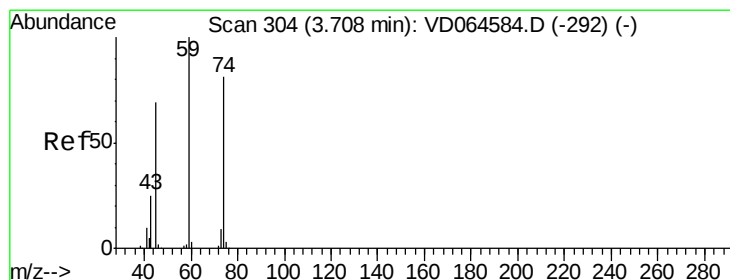
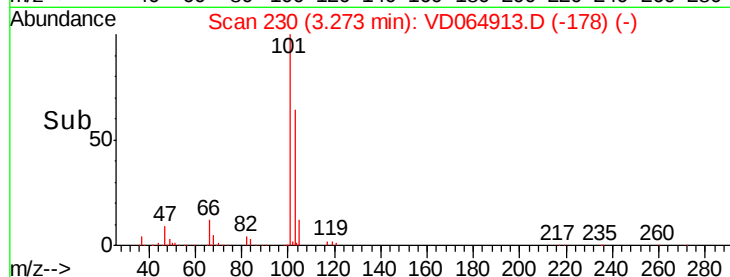
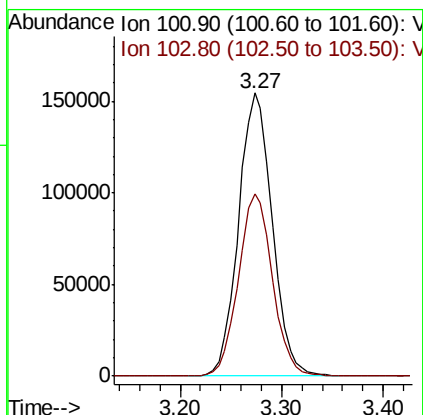
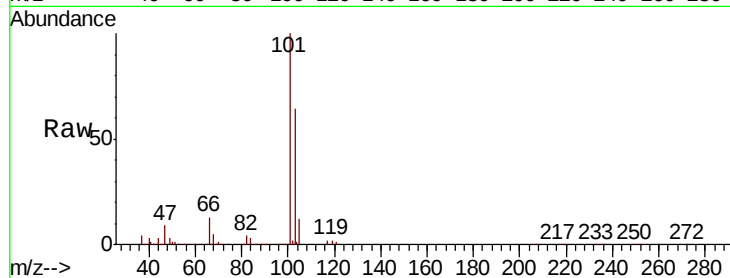


#7

Trichlorofluoromethane
Concen: 45.324 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :

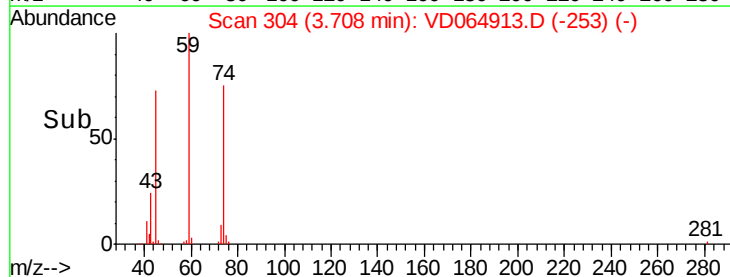
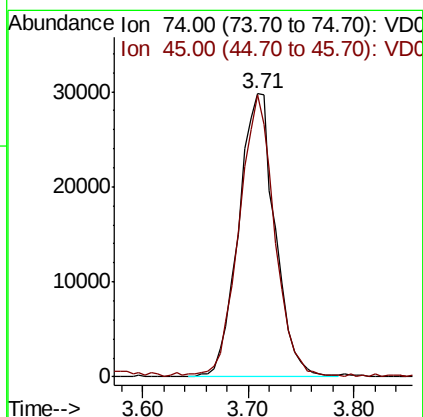
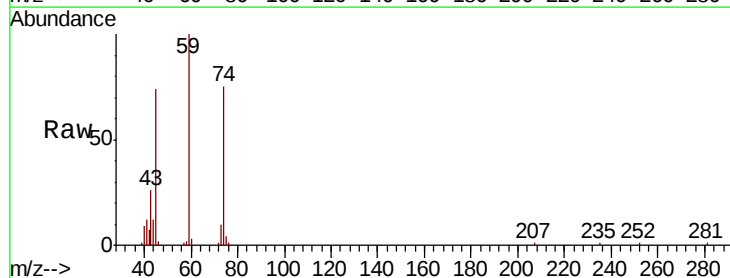
Tot Ion:101 Resp: 356340
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.4



#8

Diethyl Ether
Concen: 45.776 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 74 Resp: 71466
Ion Ratio Lower Upper
74 100
45 97.0 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.235 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

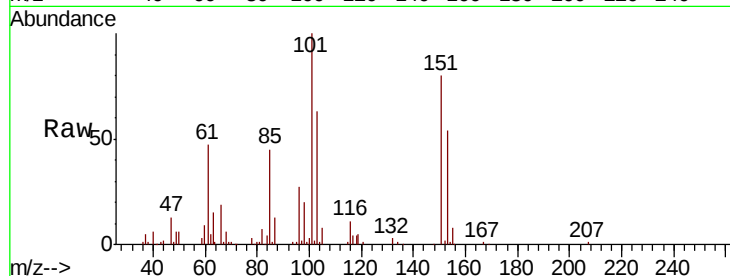
Tot Ion:101 Resp: 170076

Ion Ratio Lower Upper

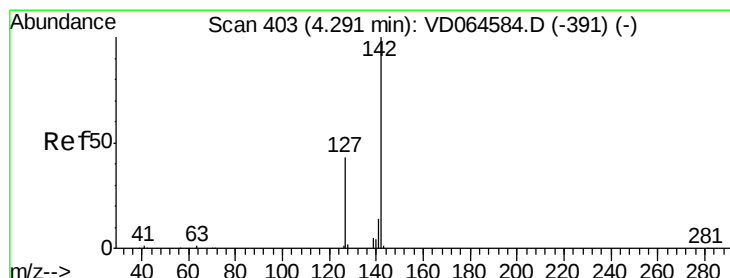
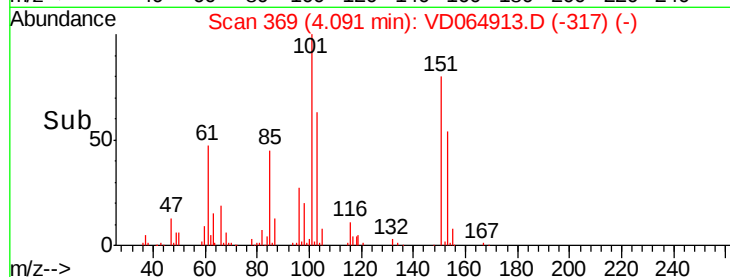
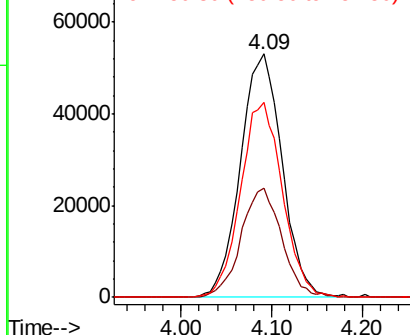
101 100

85 43.6 35.2 52.8

151 80.4 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.375 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

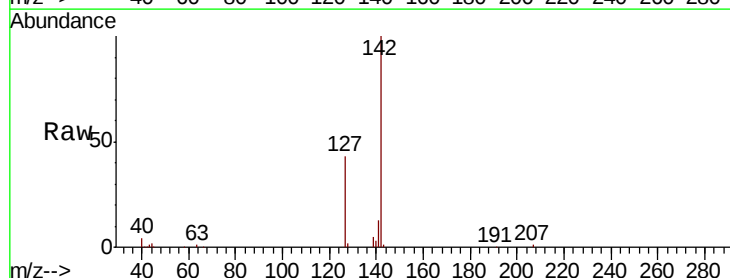
Tgt Ion:142 Resp: 165691

Ion Ratio Lower Upper

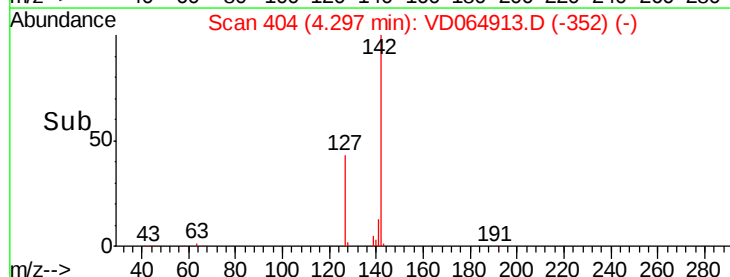
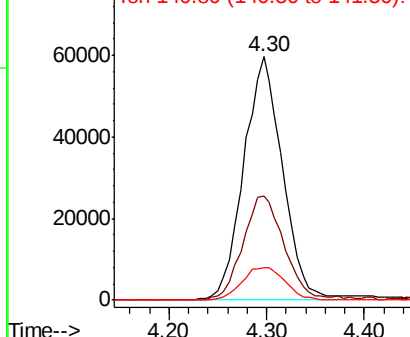
142 100

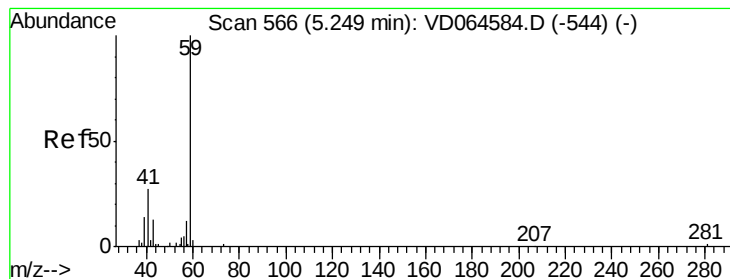
127 46.1 36.2 54.4

141 15.1 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



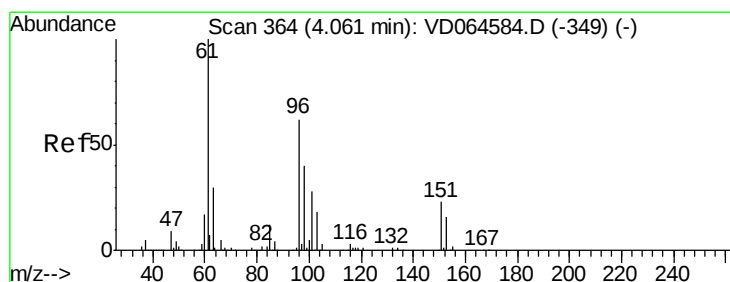
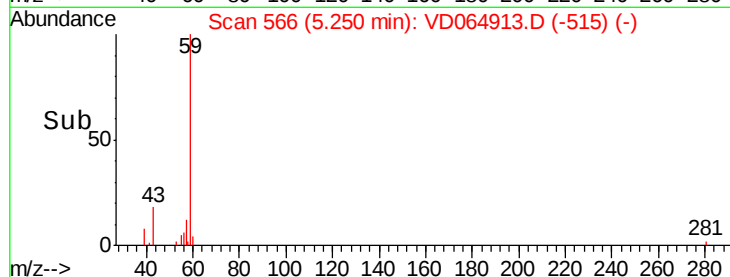
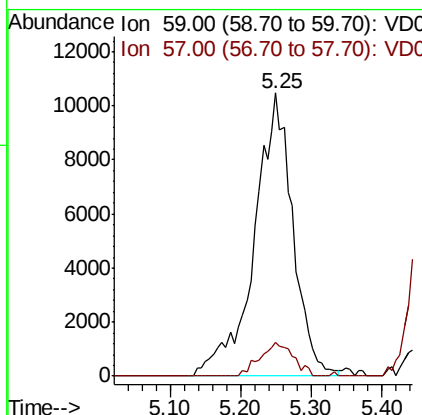
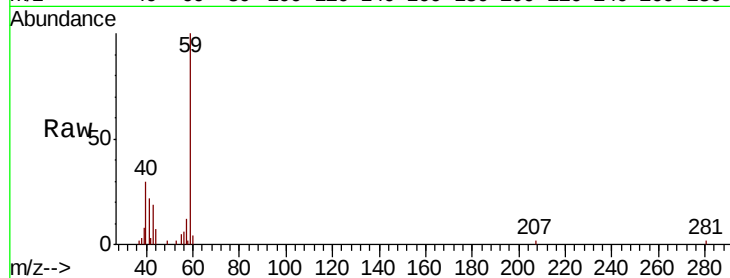


#11

Tert butyl alcohol
 Concen: 224.224 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :

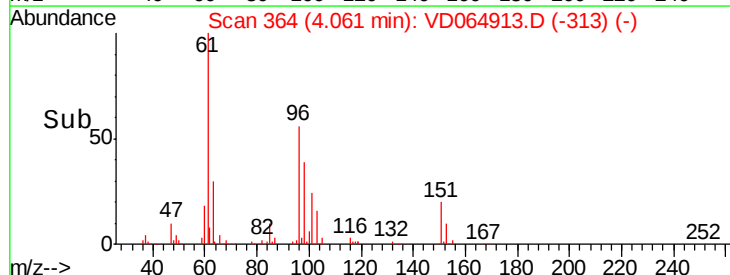
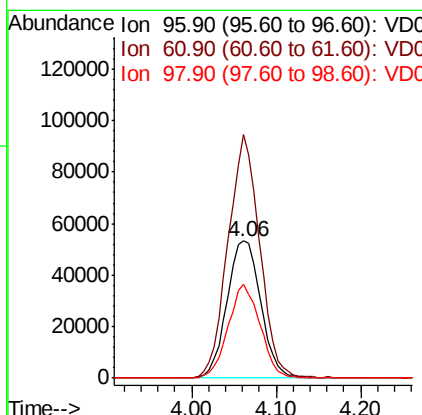
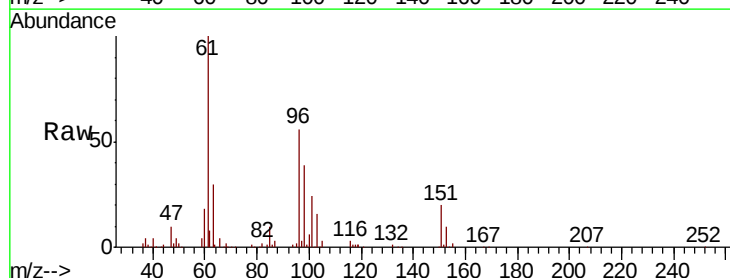
Tot Ion: 59 Resp: 39925
 Ion Ratio Lower Upper
 59 100
 57 10.3 9.3 13.9

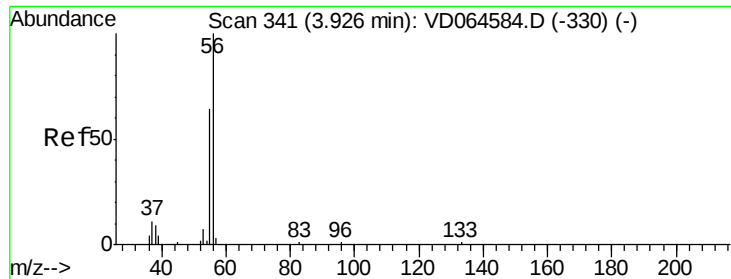


#12

1,1-Dichloroethene
 Concen: 47.463 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion: 96 Resp: 147129
 Ion Ratio Lower Upper
 96 100
 61 177.6 129.4 194.0
 98 68.6 51.4 77.0





#13

Acrolein

Concen: 91.948 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

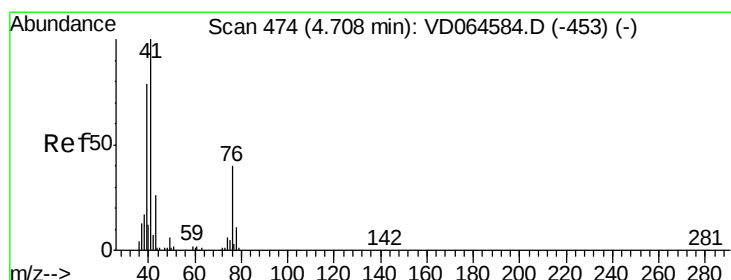
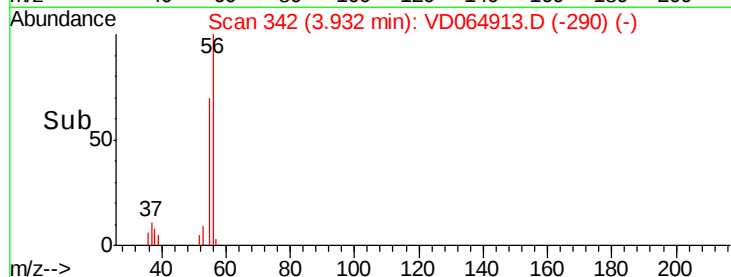
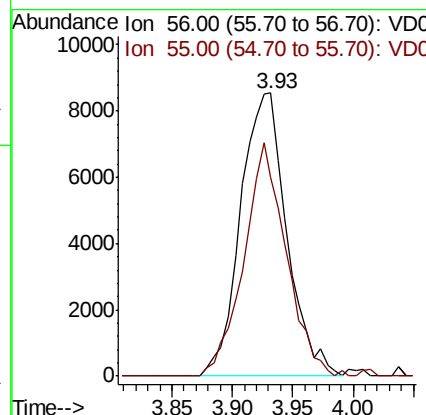
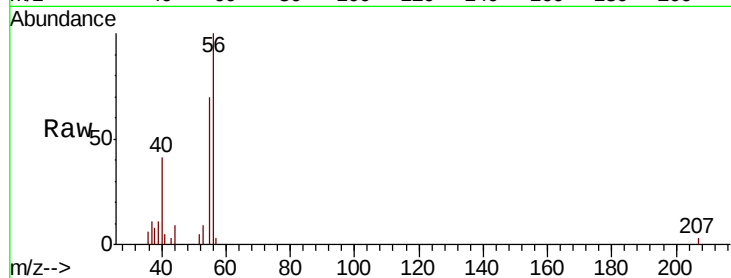
ClientSampleId :

Tot Ion: 56 Resp: 22817

Ion Ratio Lower Upper

56 100

55 75.0 56.7 85.1



#14

Allyl chloride

Concen: 50.004 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

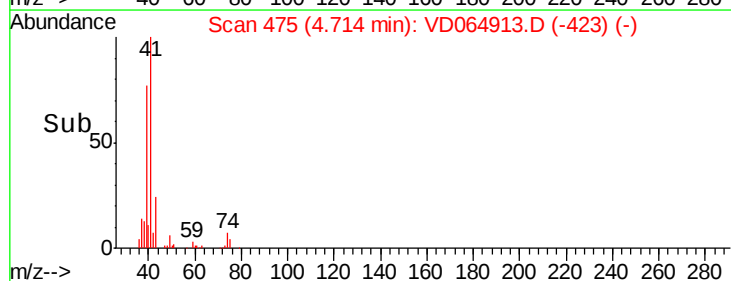
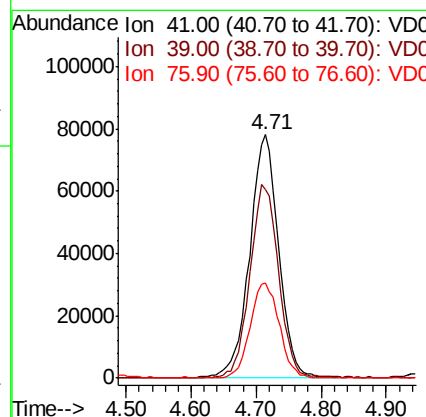
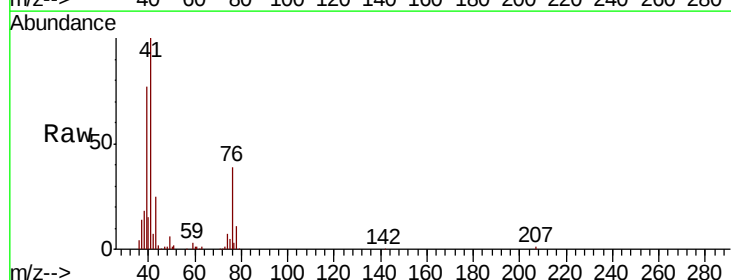
Tgt Ion: 41 Resp: 241672

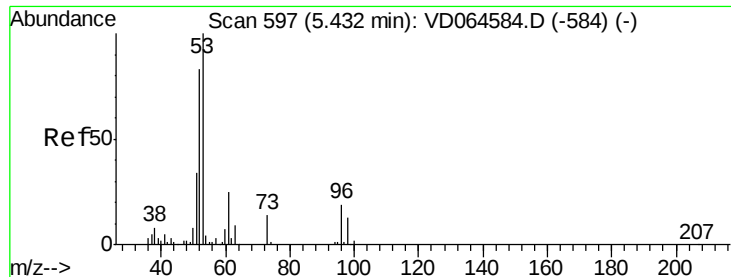
Ion Ratio Lower Upper

41 100

39 79.0 62.3 93.5

76 39.1 29.7 44.5





#15

Acrylonitrile

Concen: 217.703 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

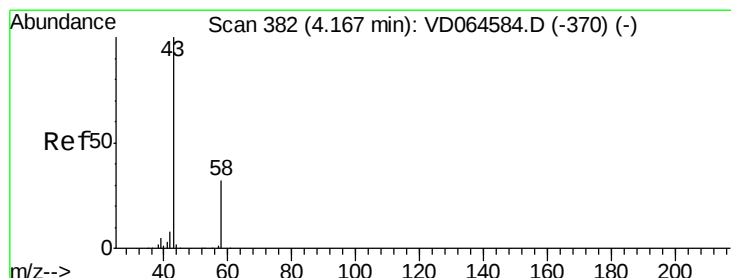
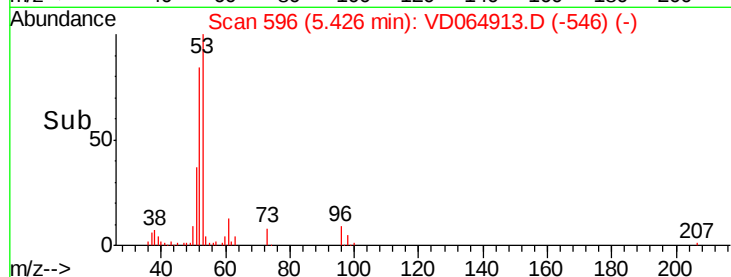
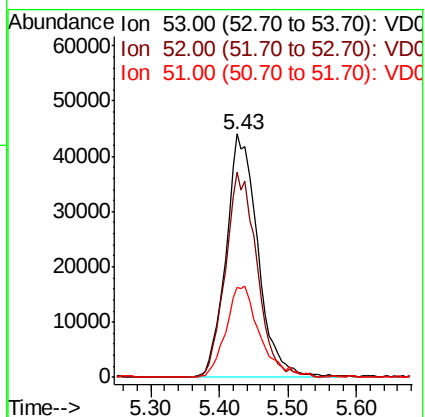
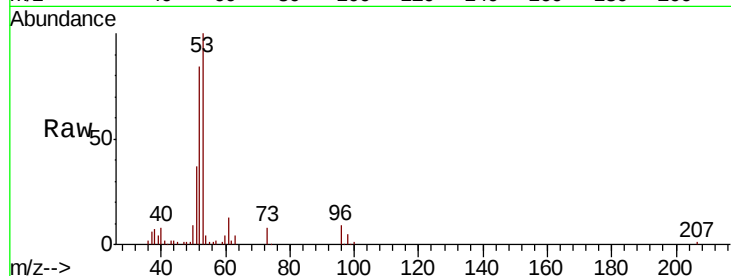
Tot Ion: 53 Resp: 141573

Ion Ratio Lower Upper

53 100

52 83.5 66.2 99.2

51 39.9 30.1 45.1



#16

Acetone

Concen: 230.266 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064913.D

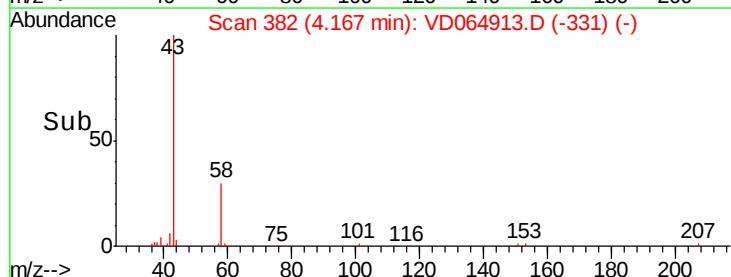
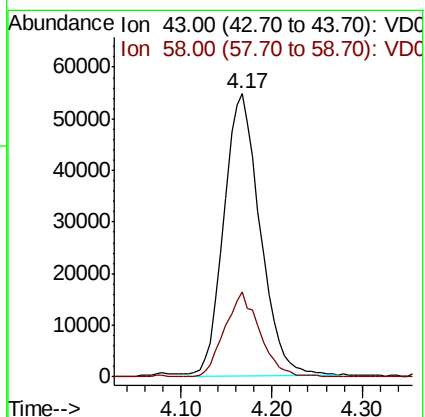
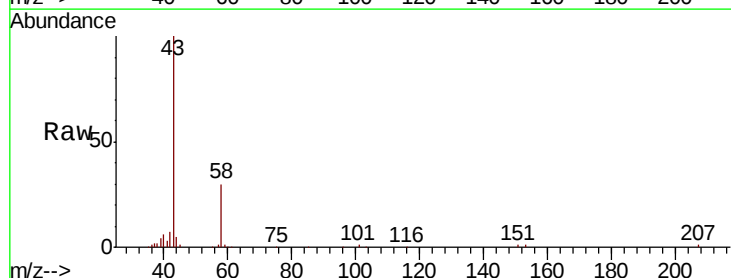
Acq: 21 Jan 2020 17:06

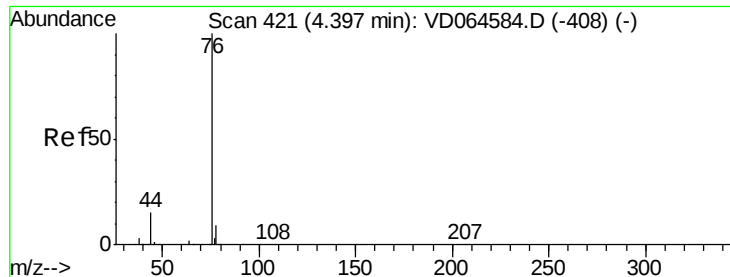
Tgt Ion: 43 Resp: 151868

Ion Ratio Lower Upper

43 100

58 30.3 25.8 38.6





#17

Carbon Disulfide

Concen: 41.190 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

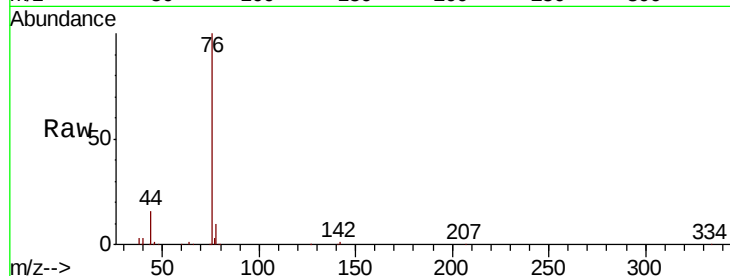
ClientSampleId :

Tot Ion: 76 Resp: 412856

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

150000

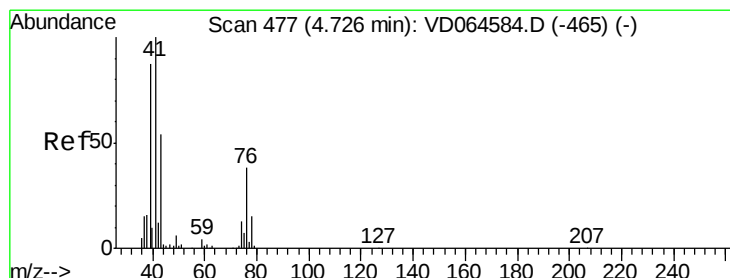
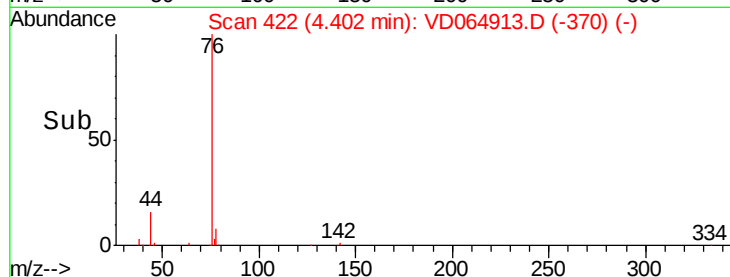
100000

50000

0

Time-->

4.30 4.40 4.50



#18

Methyl Acetate

Concen: 41.522 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064913.D

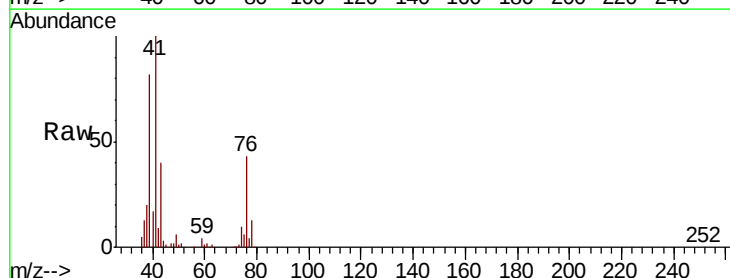
Acq: 21 Jan 2020 17:06

Tgt Ion: 43 Resp: 72629

Ion Ratio Lower Upper

43 100

74 24.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

25000

20000

15000

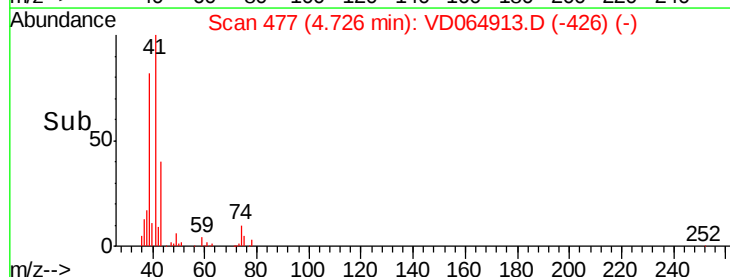
10000

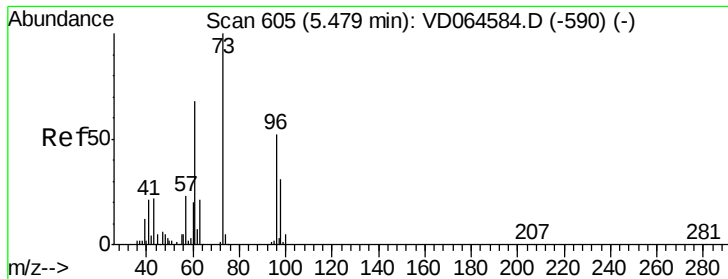
5000

0

Time-->

4.60 4.70 4.80

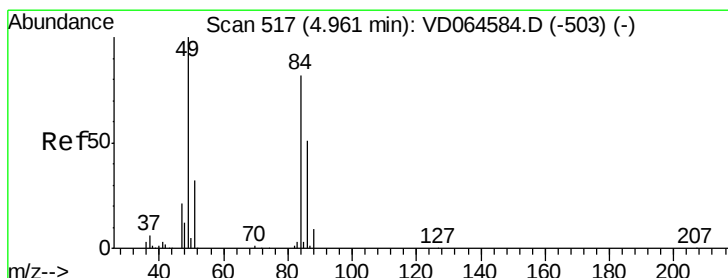
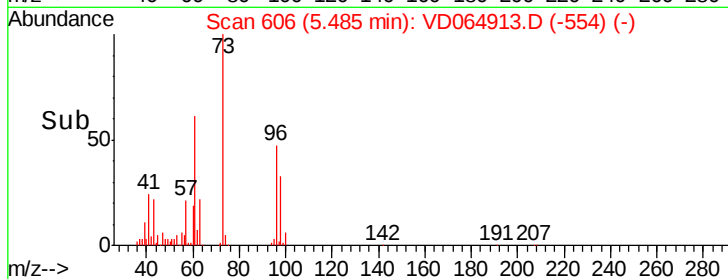
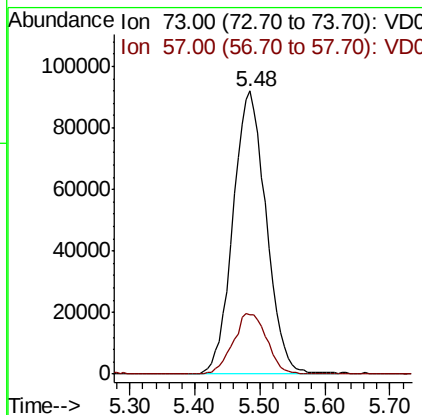
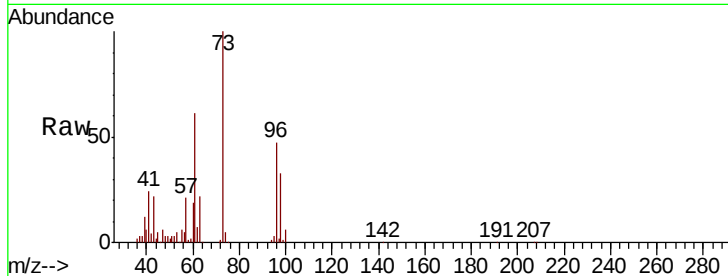




#19
Methyl tert-butyl Ether
Concen: 47.121 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

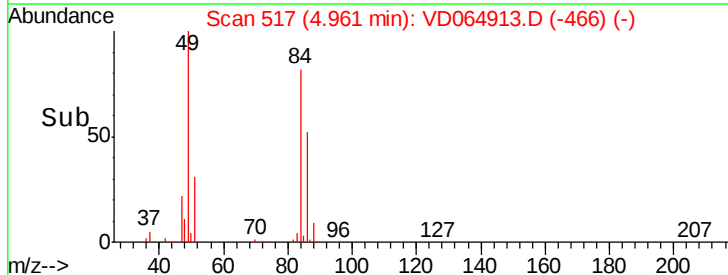
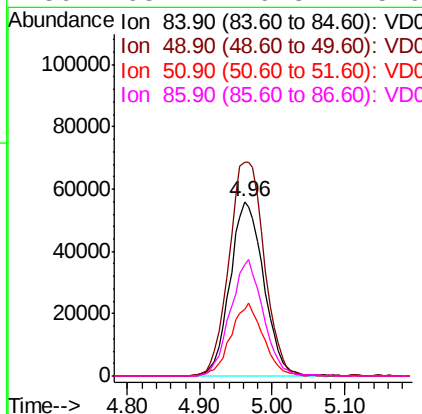
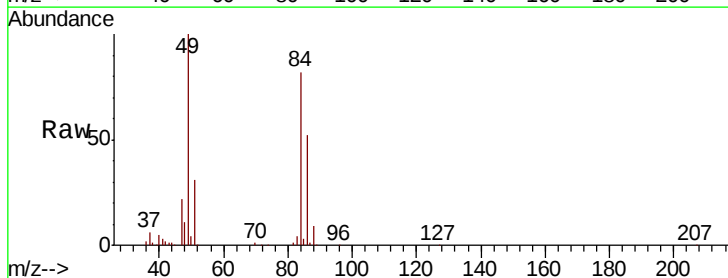
Instrument :
MSVOA_D
ClientSampled :

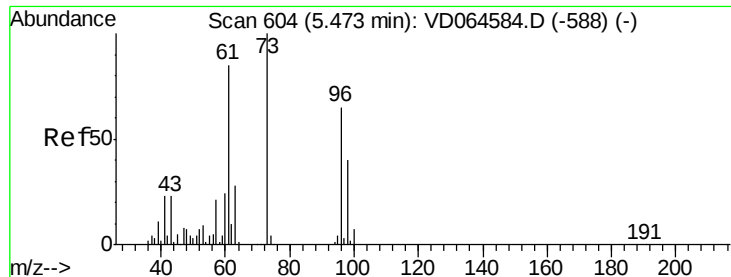
Tot Ion: 73 Resp: 324442
Ion Ratio Lower Upper
73 100
57 21.2 18.6 27.8



#20
Methylene Chloride
Concen: 57.618 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 84 Resp: 180718
Ion Ratio Lower Upper
84 100
49 122.0 97.2 145.8
51 38.0 31.4 47.0
86 63.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.244 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

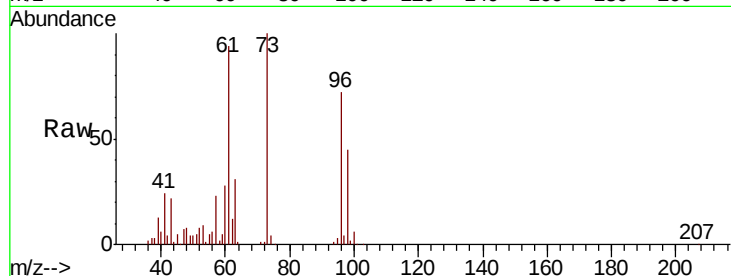
Tot Ion: 96 Resp: 173845

Ion Ratio Lower Upper

96 100

61 130.6 104.7 157.1

98 62.6 49.4 74.2

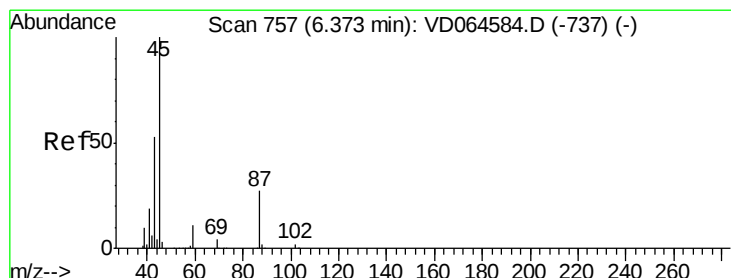
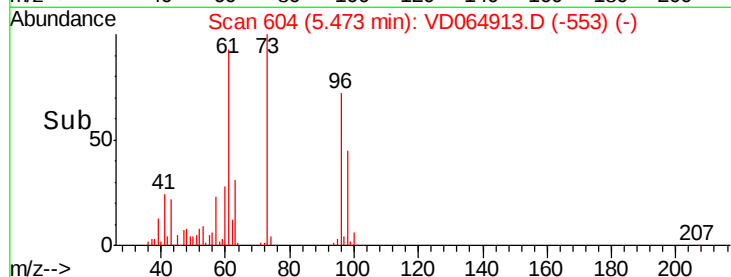
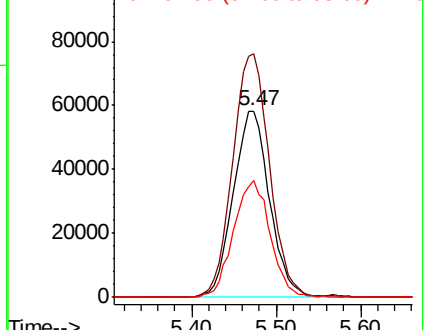


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 52.190 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Tgt Ion: 45 Resp: 503113

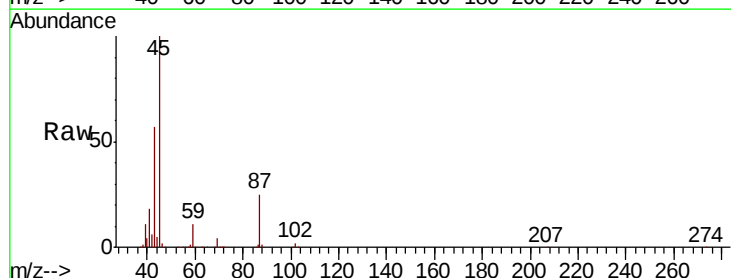
Ion Ratio Lower Upper

45 100

43 56.1 43.2 64.8

87 24.5 21.9 32.9

59 11.2 9.0 13.4



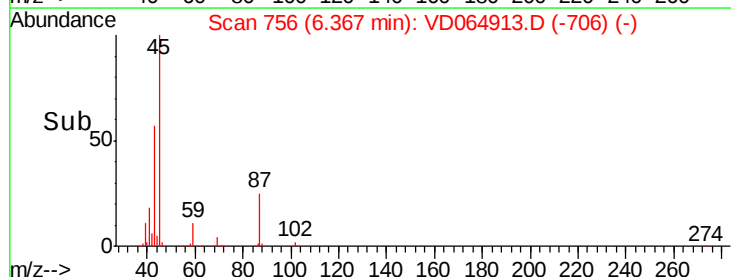
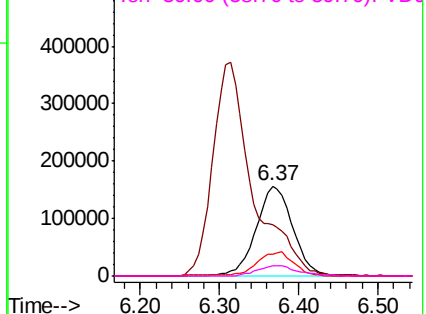
Abundance

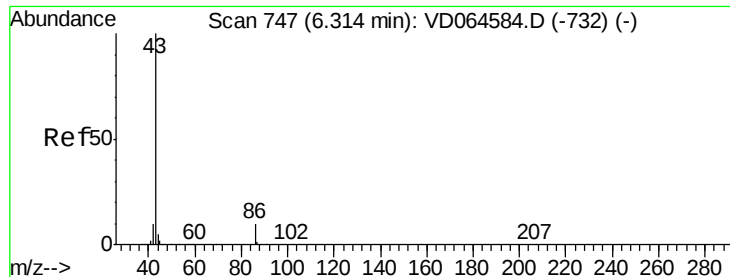
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 237.773 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

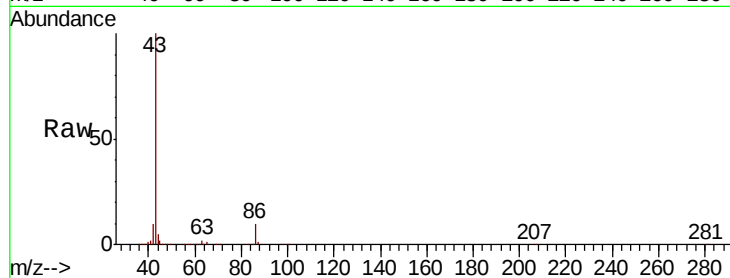
ClientSampleId :

Tot Ion: 43 Resp: 1300235

Ion Ratio Lower Upper

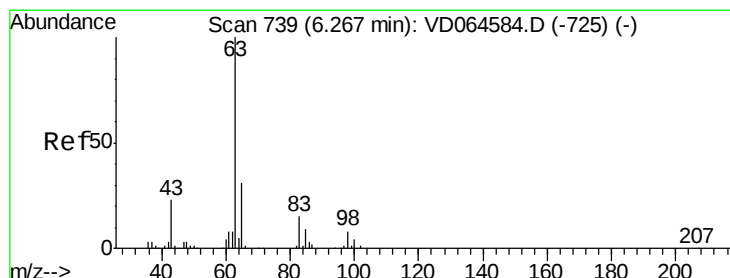
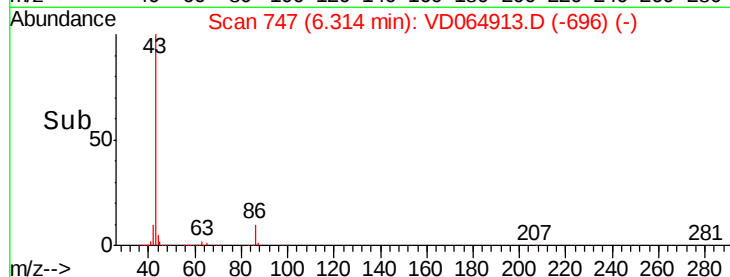
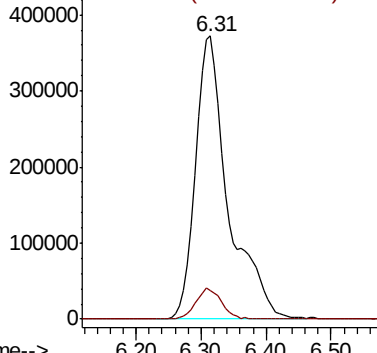
43 100

86 10.0 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: 53.289 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

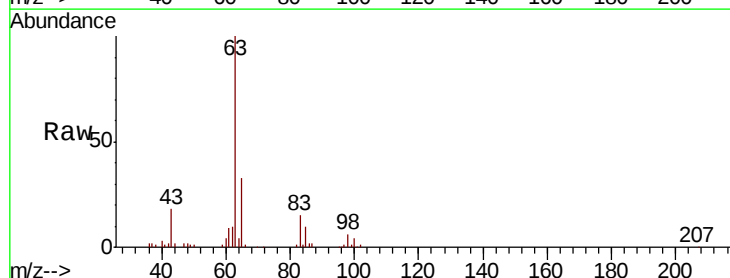
Tgt Ion: 63 Resp: 308392

Ion Ratio Lower Upper

63 100

98 6.5 4.1 12.3

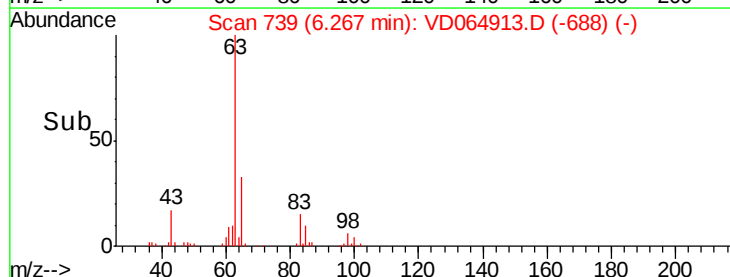
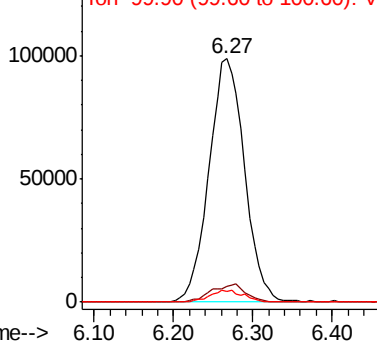
100 4.2 2.2 6.6

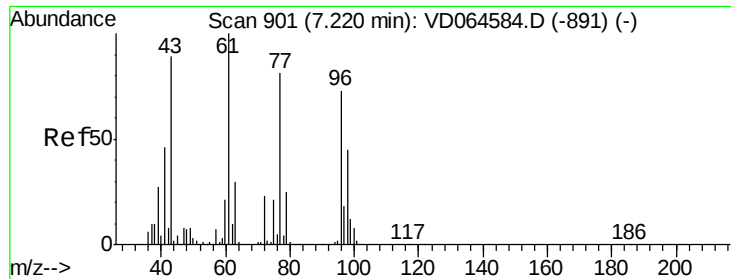


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 225.423 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

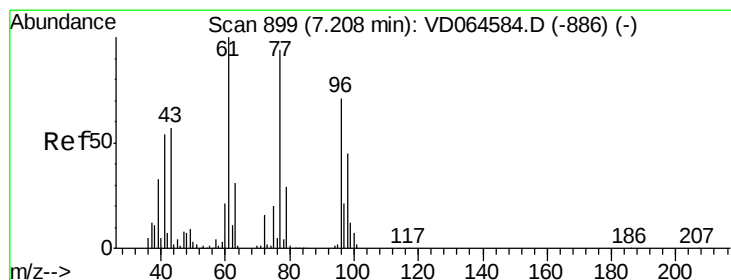
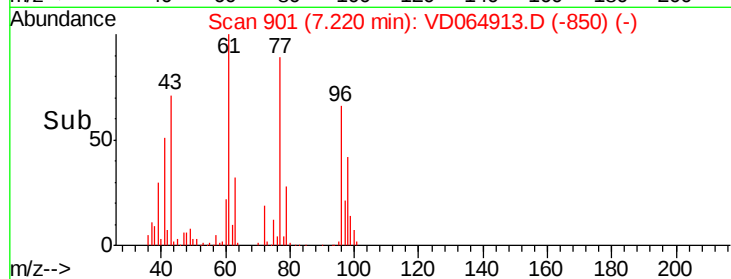
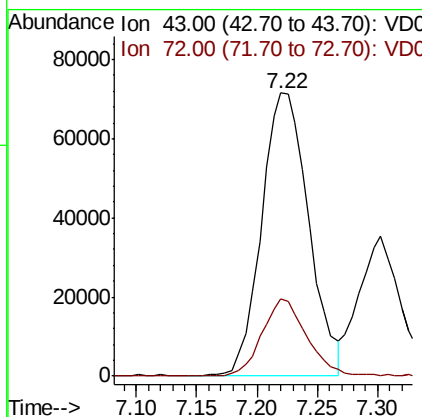
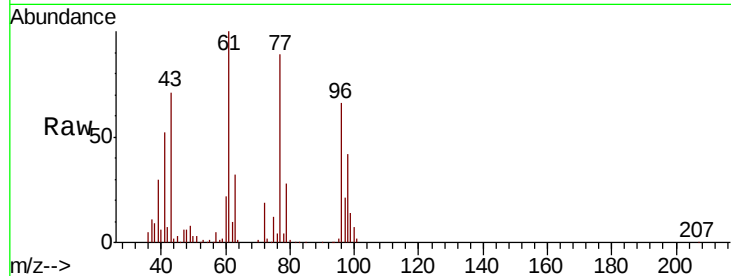
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 192515

Ion Ratio Lower Upper

43 100

72 27.4 20.7 31.1



#26

2,2-Dichloropropane

Concen: 53.764 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064913.D

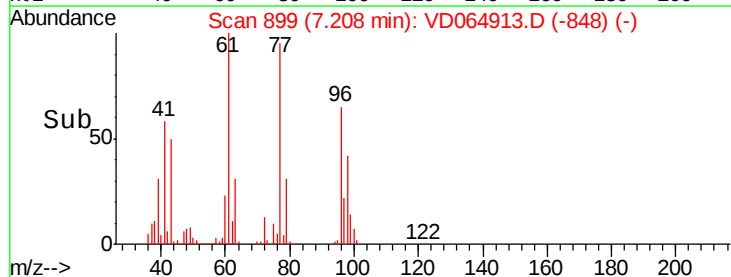
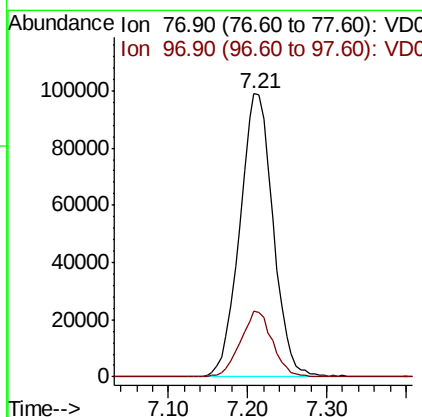
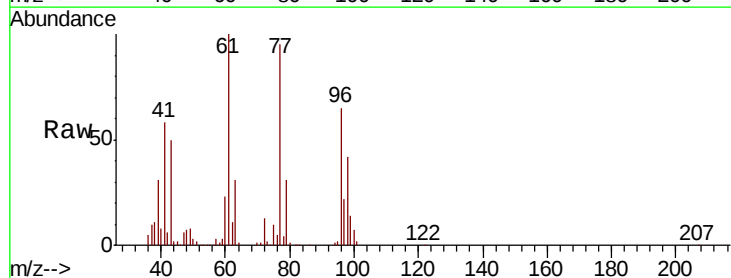
Acq: 21 Jan 2020 17:06

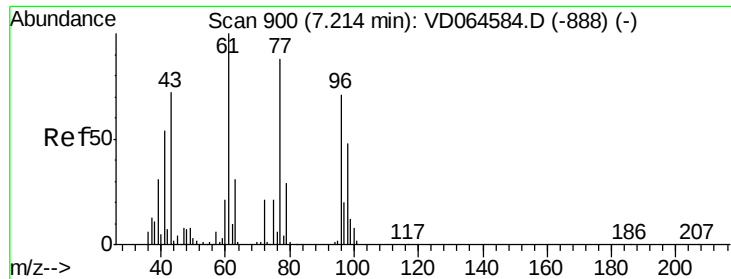
Tgt Ion: 77 Resp: 289289

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6



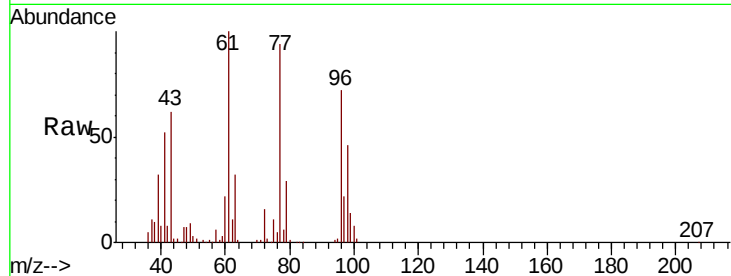


#27

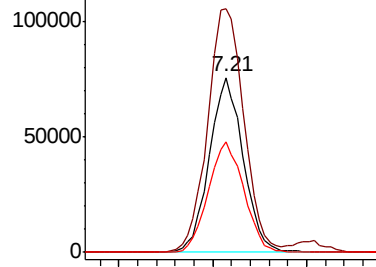
cis-1,2-Dichloroethene
 Concen: 49.587 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampled :

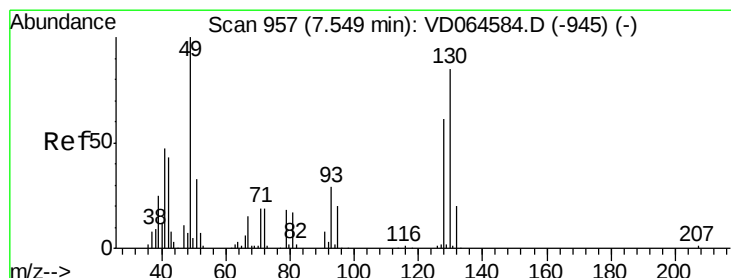
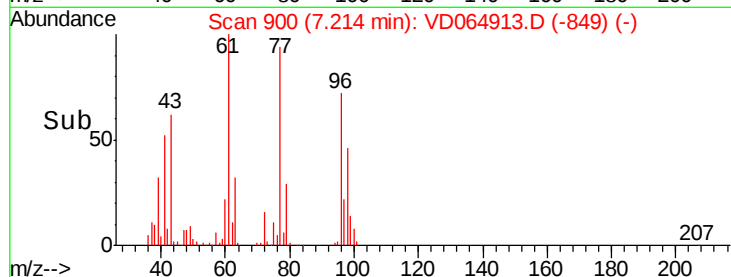
Tot Ion	96	Resp	188925
Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	282.6
98	66.3	0.0	130.8



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



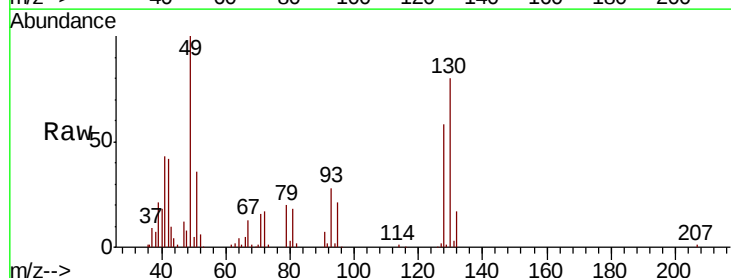
Time-->



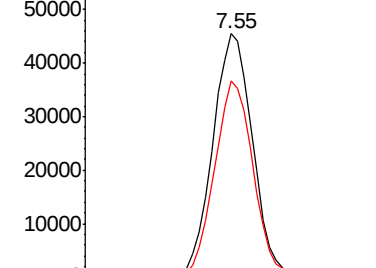
#28

Bromochloromethane
 Concen: 51.448 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

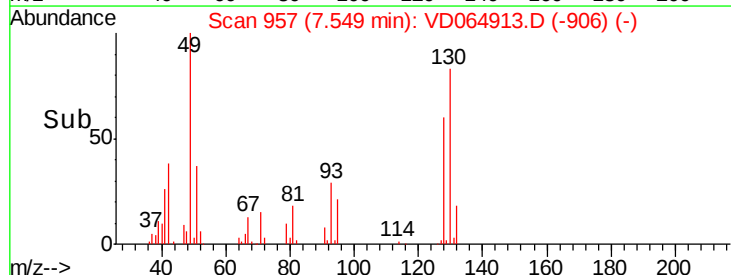
Tgt Ion	49	Resp	115741
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	78.3	65.0	97.6

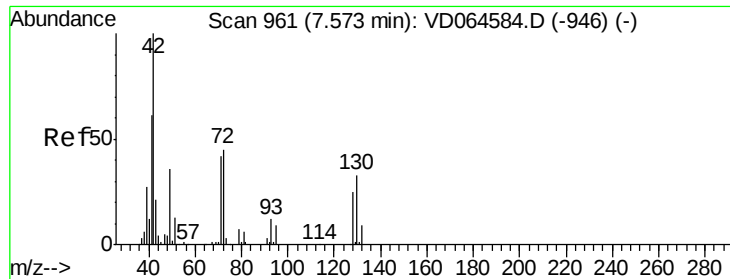


Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V



Time-->

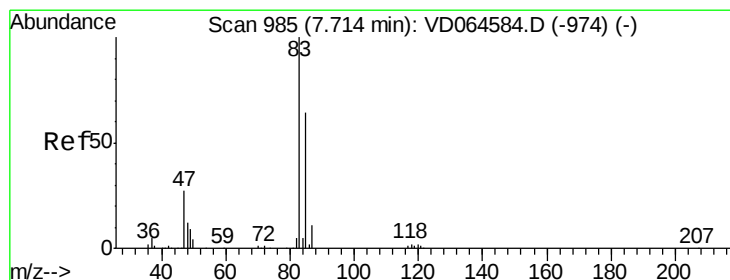
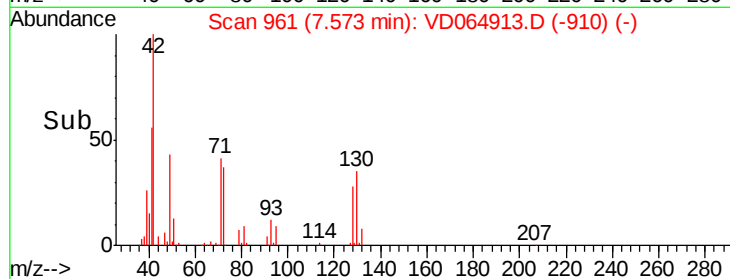
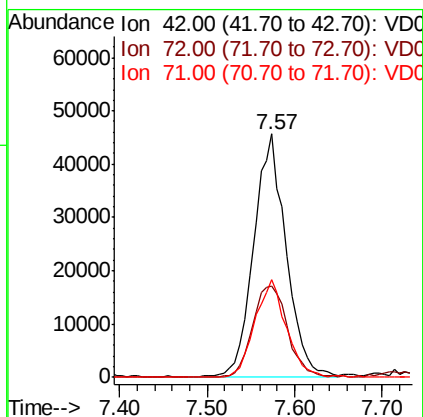
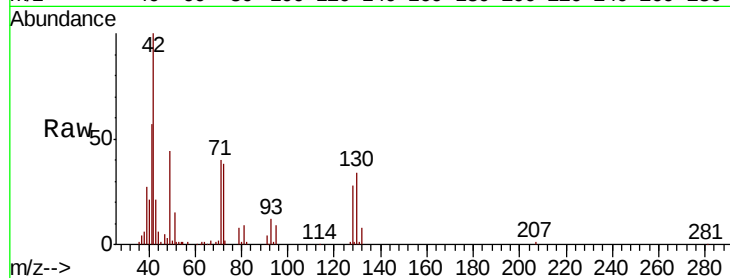




#29
Tetrahydrofuran
Concen: 218.350 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

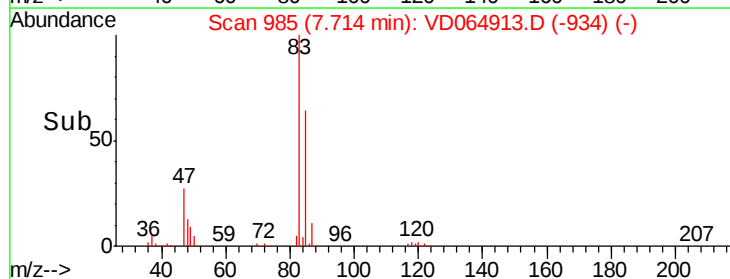
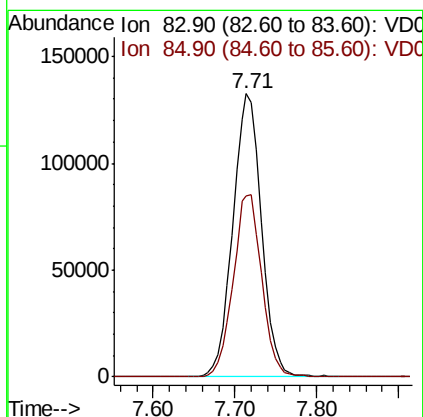
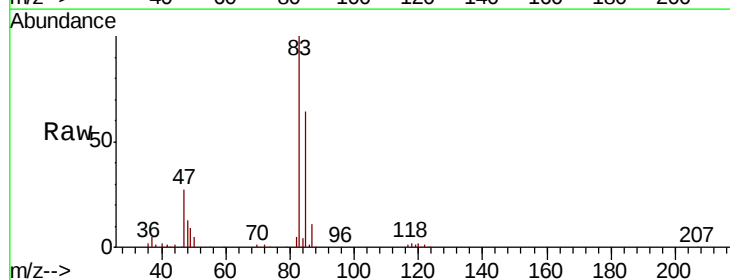
Instrument :
MSVOA_D
ClientSampled :

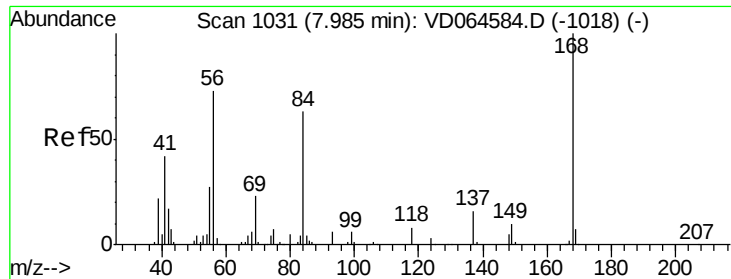
Tot Ion: 42 Resp: 115964
Ion Ratio Lower Upper
42 100
72 40.8 35.0 52.4
71 38.8 32.9 49.3



#30
Chloroform
Concen: 53.108 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 83 Resp: 322458
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7

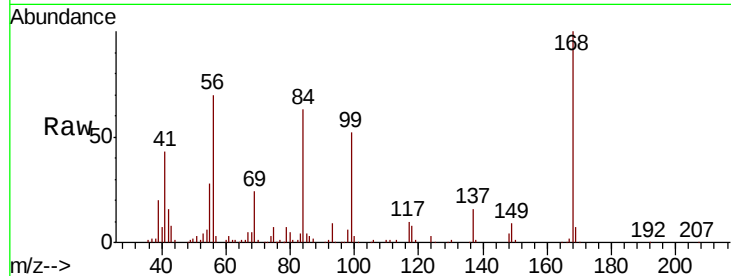




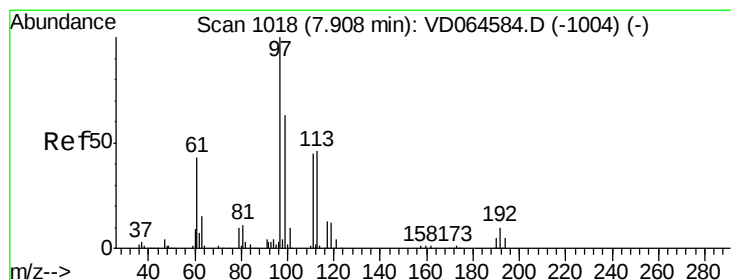
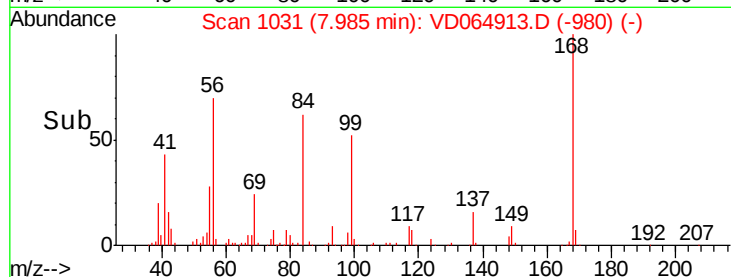
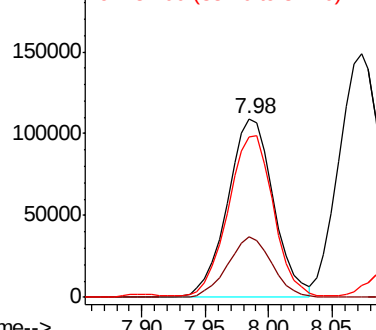
#31
Cyclohexane
Concen: 47.577 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 275614
Ion Ratio Lower Upper
56 100
69 34.0 24.7 37.1
84 88.8 69.4 104.2

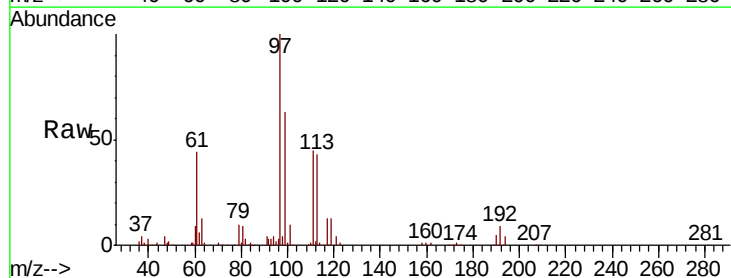


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

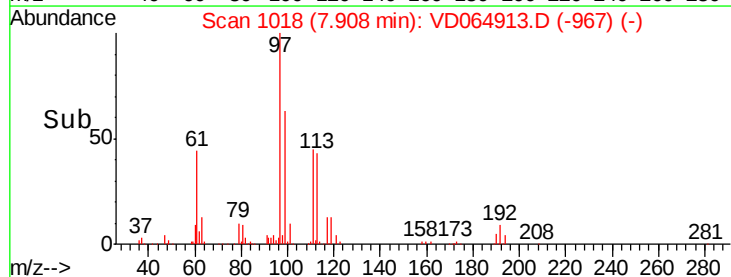
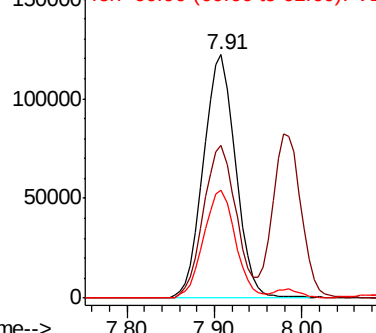


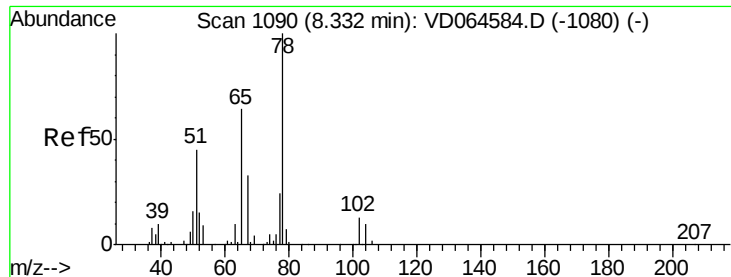
#32
1,1,1-Trichloroethane
Concen: 53.429 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 97 Resp: 304705
Ion Ratio Lower Upper
97 100
99 63.5 51.0 76.6
61 43.9 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

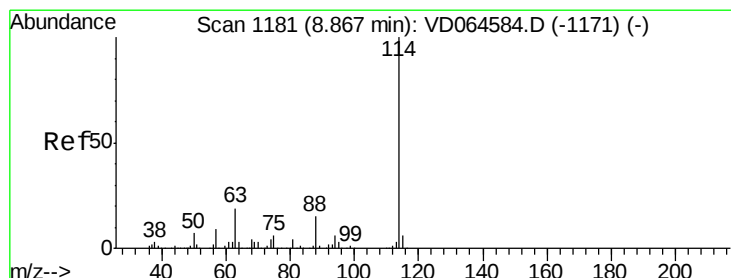
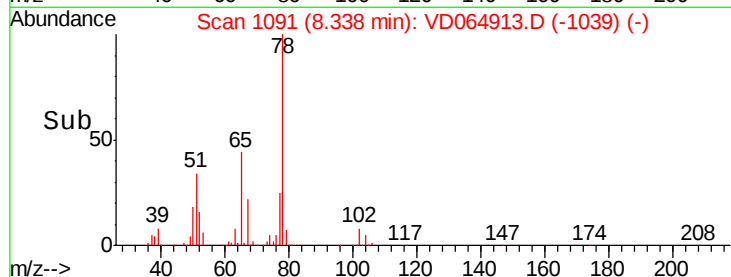
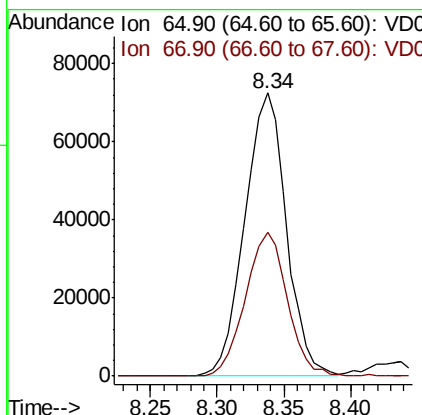
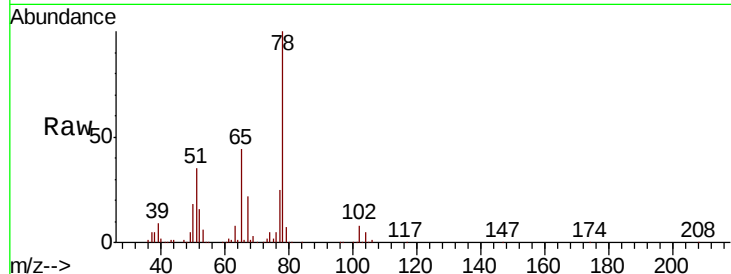




#33
 1,2-Dichloroethane-d4
 Concen: 50.128 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

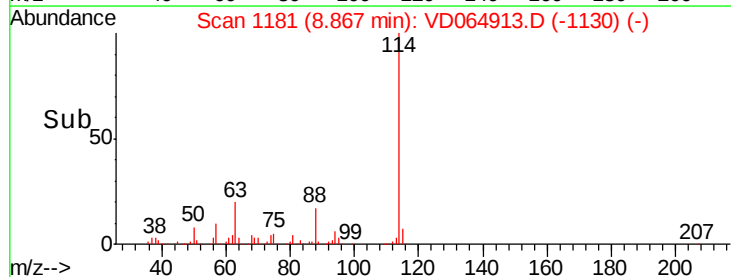
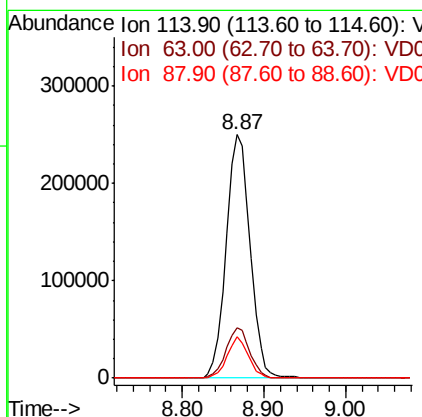
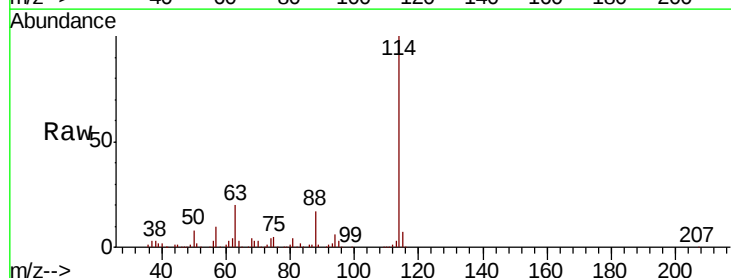
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 155744
 Ion Ratio Lower Upper
 65 100
 67 51.4 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: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion: 114 Resp: 509409
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.0
 88 16.9 0.0 29.2

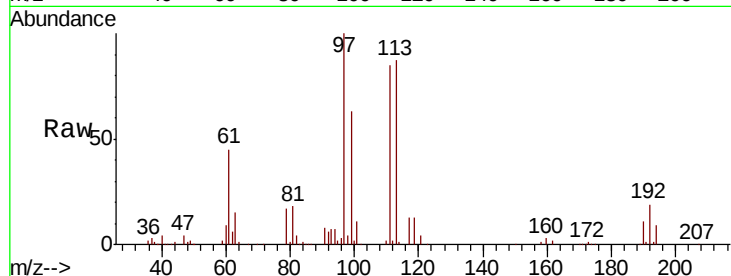




#35
 Dibromofluoromethane
 Concen: 52.297 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.6	121.0
192	22.5	17.9	26.9

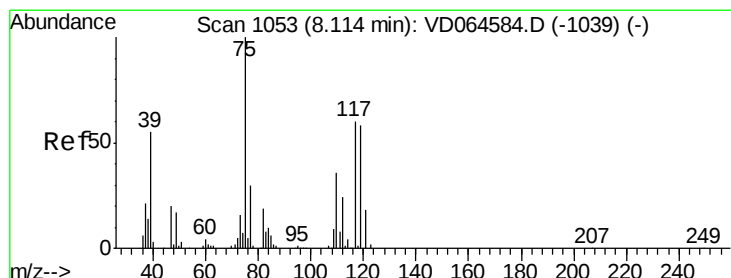
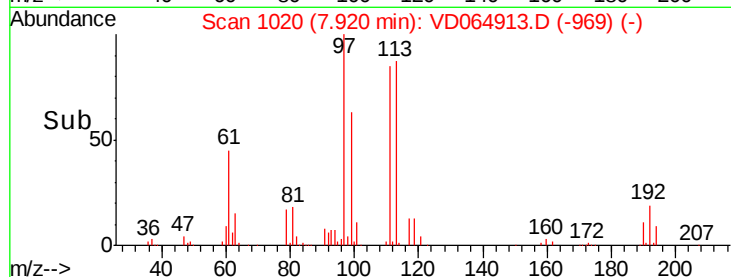
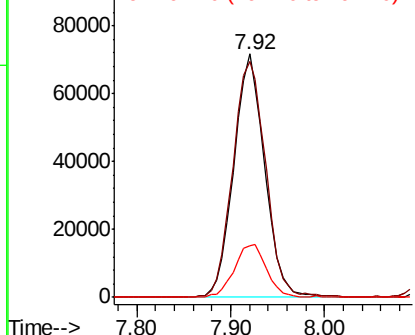


Abundance

Ion 112.80 (112.50 to 113.50): V

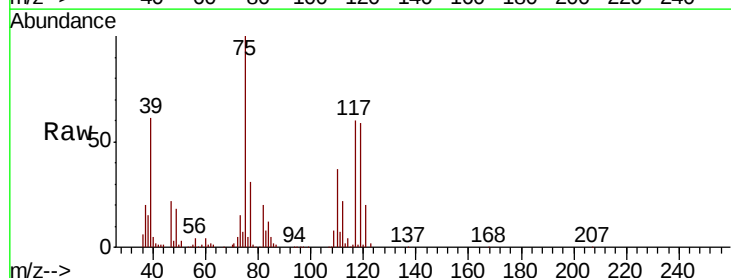
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 51.676 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	18.1	54.1
77	31.1	24.2	36.4

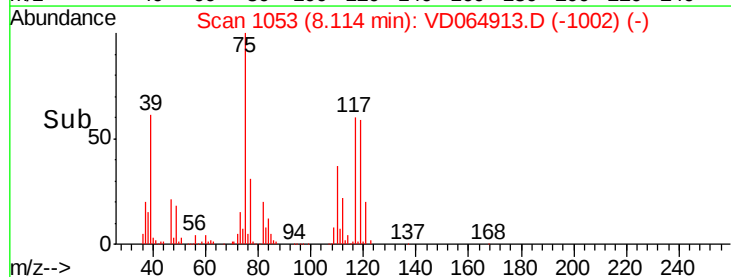
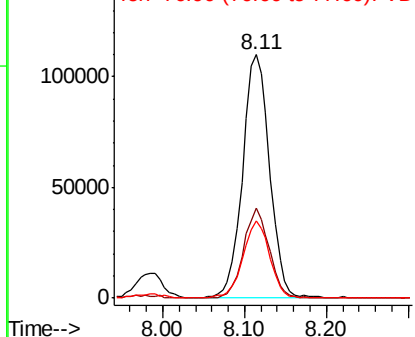


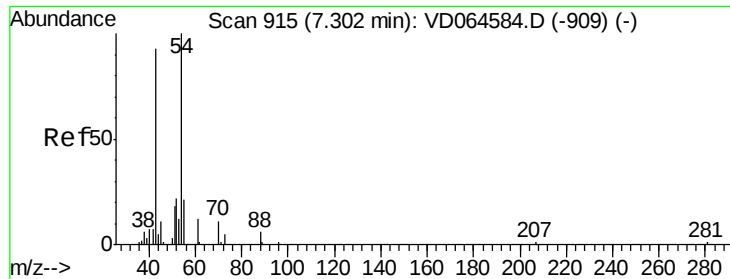
Abundance

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

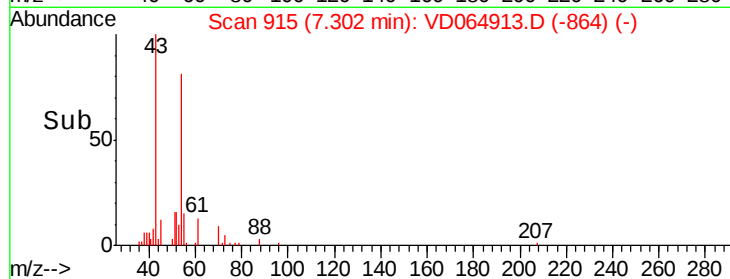
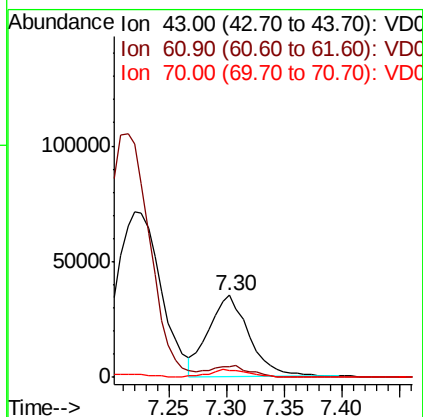
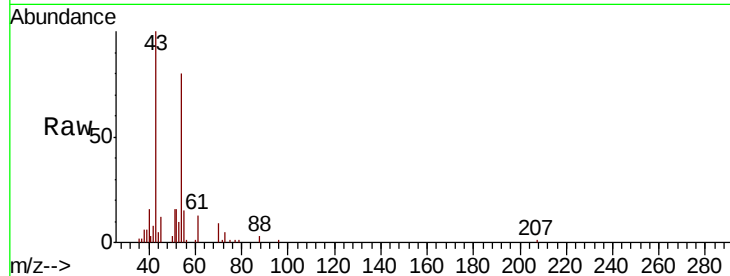




#37
Ethyl Acetate
Concen: 44.089 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

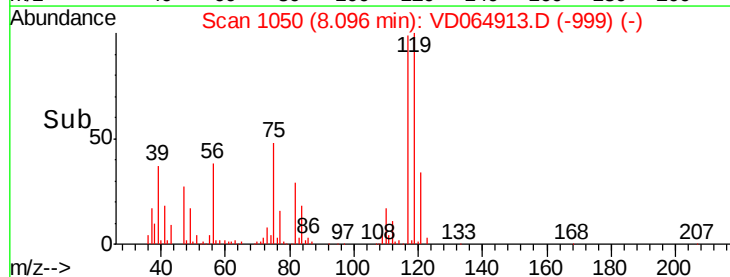
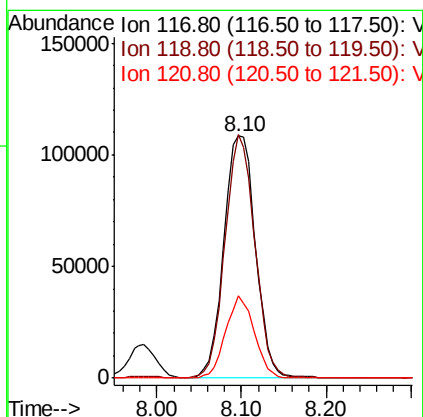
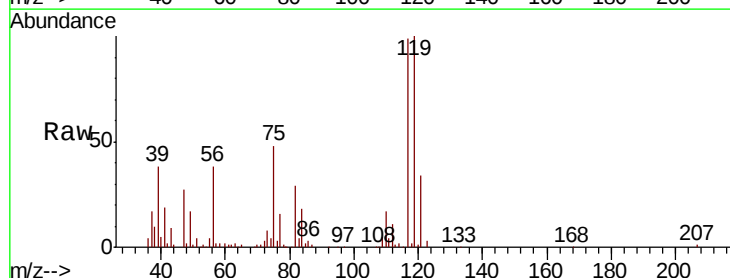
Instrument :
MSVOA_D
ClientSampleID :

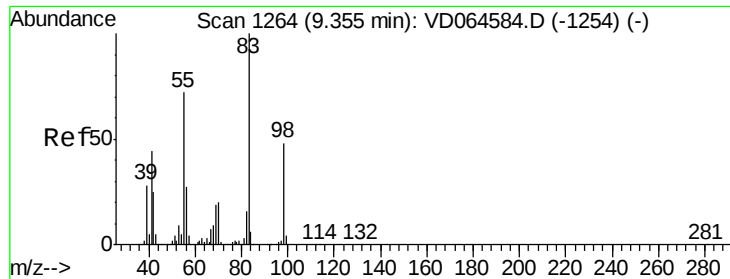
Tot Ion: 43 Resp: 84923
Ion Ratio Lower Upper
43 100
61 11.9 10.3 15.5
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 53.340 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 117 Resp: 278866
Ion Ratio Lower Upper
117 100
119 100.8 77.3 115.9
121 34.2 25.0 37.6

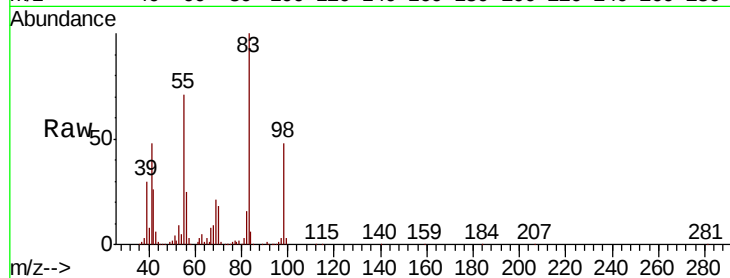




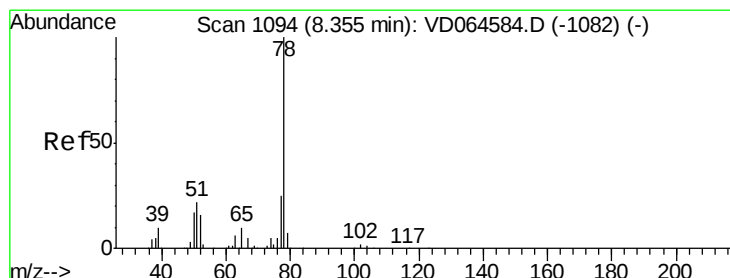
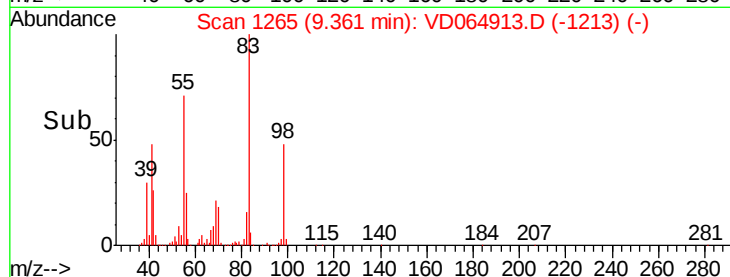
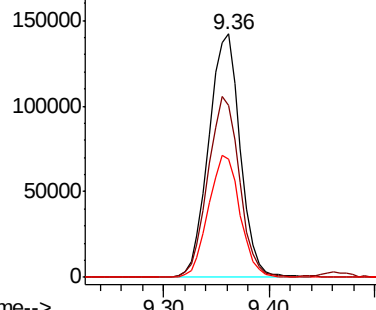
#39
Methvlcvclohexane
Concen: 49.562 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 294325
Ion Ratio Lower Upper
83 100
55 70.9 57.8 86.6
98 48.4 38.7 58.1

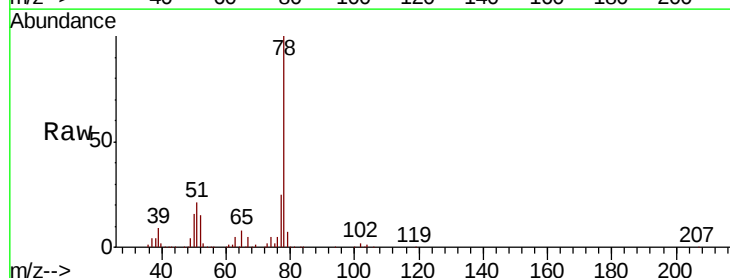


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

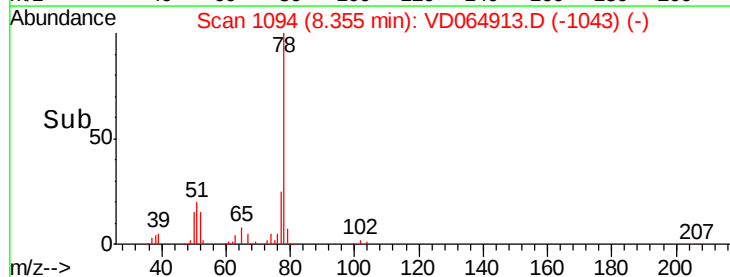
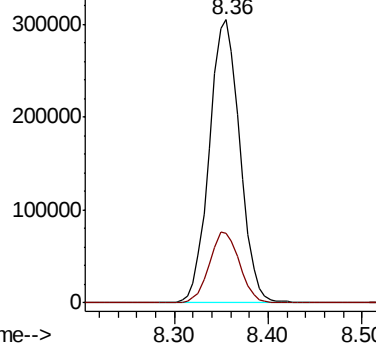


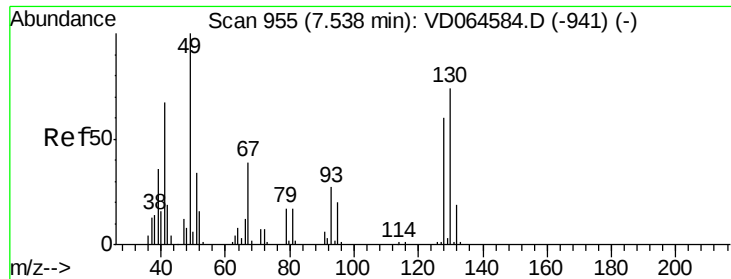
#40
Benzene
Concen: 51.379 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 78 Resp: 687702
Ion Ratio Lower Upper
78 100
77 24.7 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 51.013 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 57010

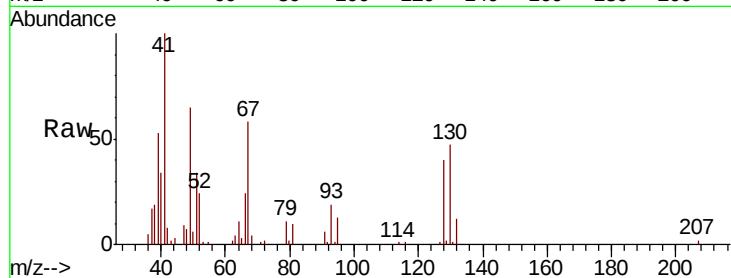
Ion Ratio Lower Upper

41 100

39 52.2 46.7 70.1

67 61.5 52.5 78.7

52 25.7 24.1 36.1



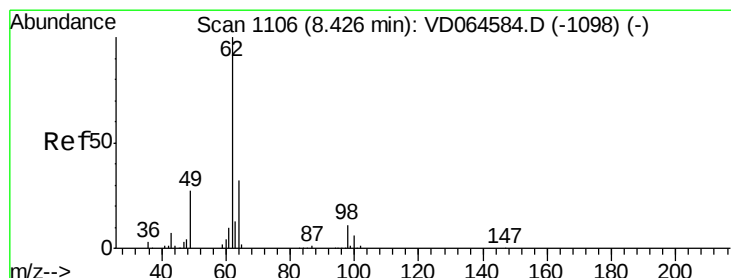
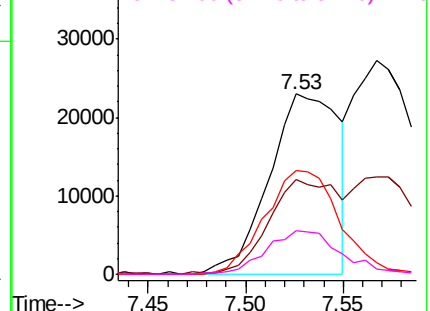
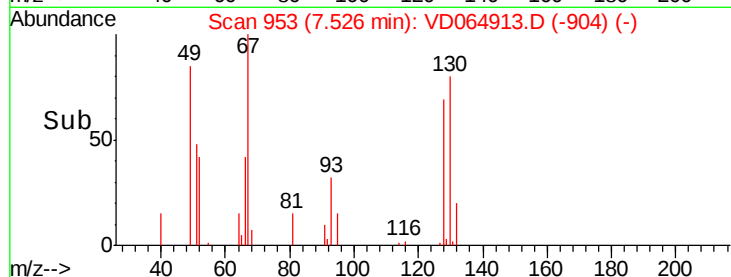
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.791 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064913.D

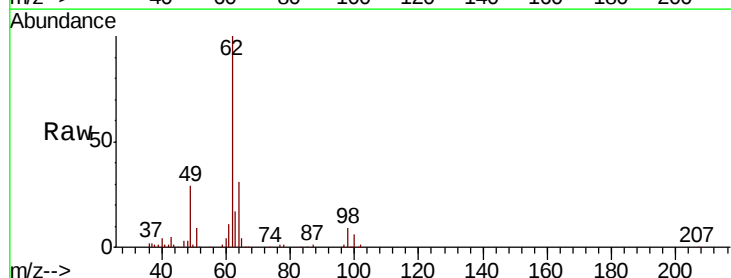
Acq: 21 Jan 2020 17:06

Tgt Ion: 62 Resp: 192586

Ion Ratio Lower Upper

62 100

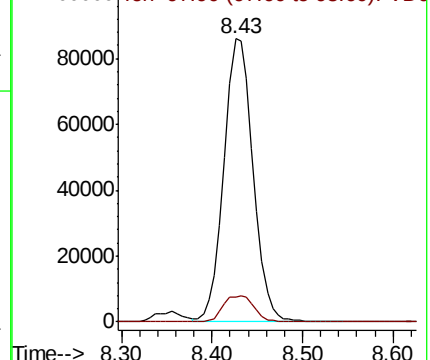
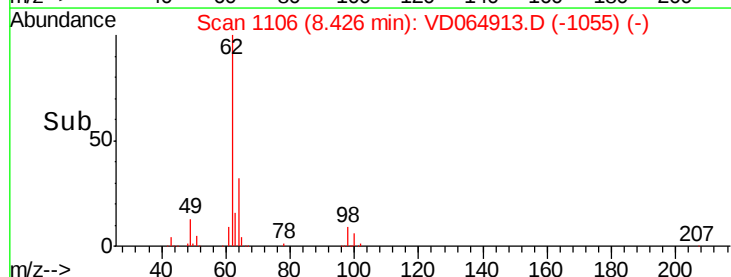
98 9.8 0.0 20.0

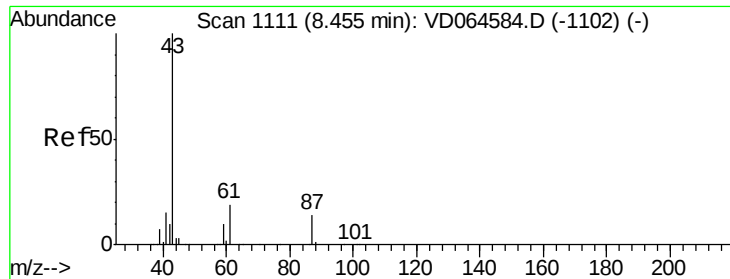


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



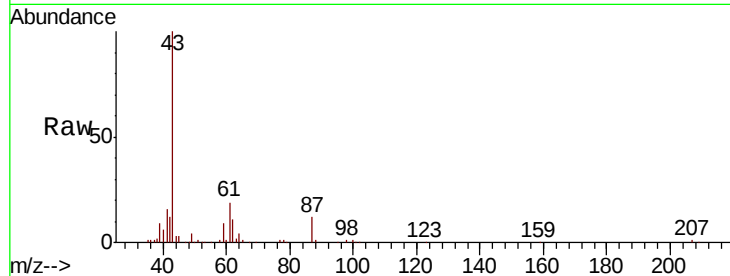


#43

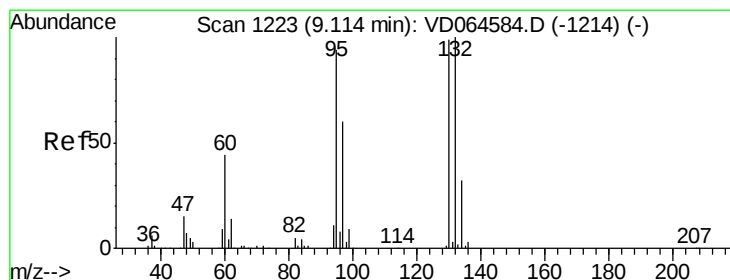
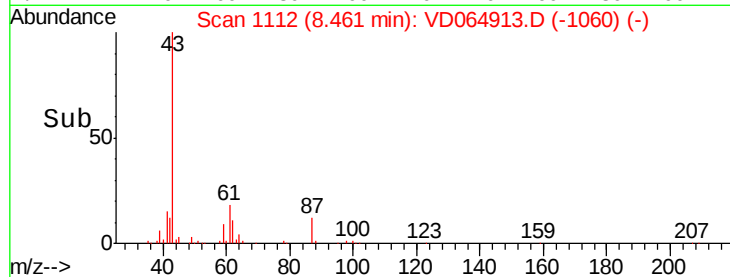
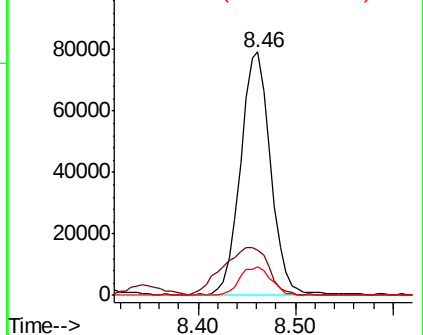
Isopropyl Acetate
 Concen: 44.711 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 171416
 Ion Ratio Lower Upper
 43 100
 61 30.0 23.7 35.5
 87 12.2 10.5 15.7



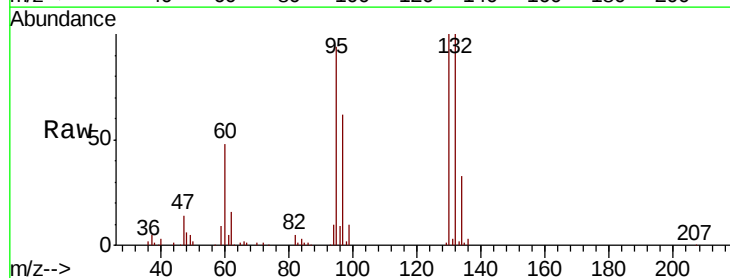
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



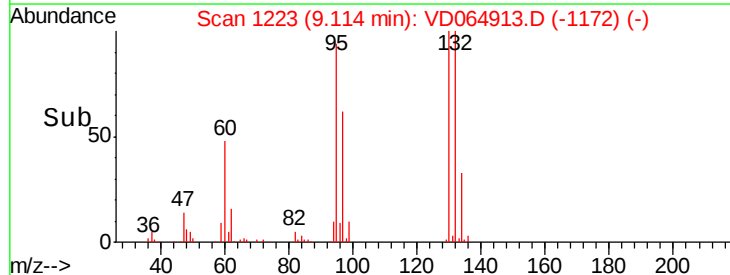
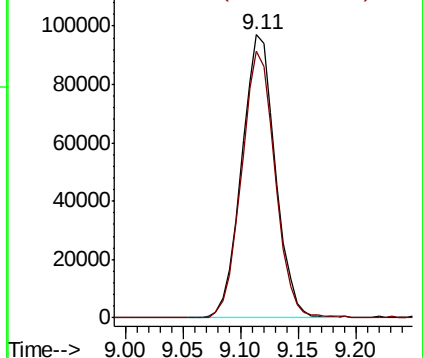
#44

Trichloroethene
 Concen: 49.959 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion:130 Resp: 196441
 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: 51.639 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

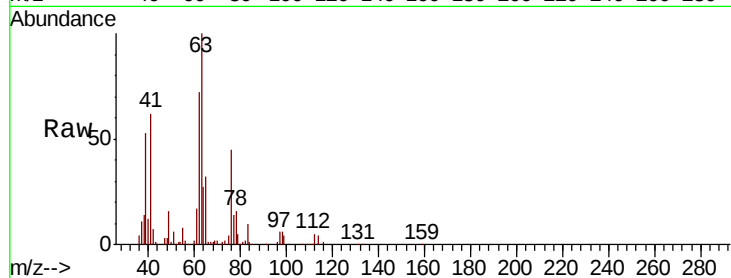
ClientSampleId :

Tot Ion: 63 Resp: 165027

Ion Ratio Lower Upper

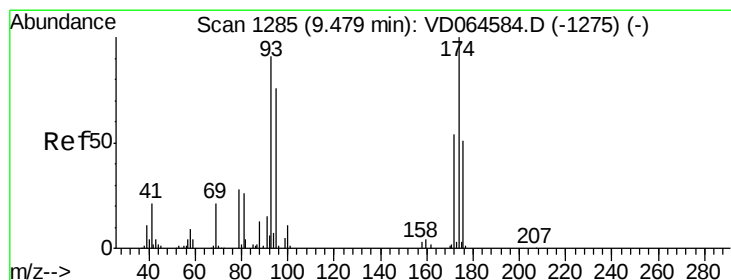
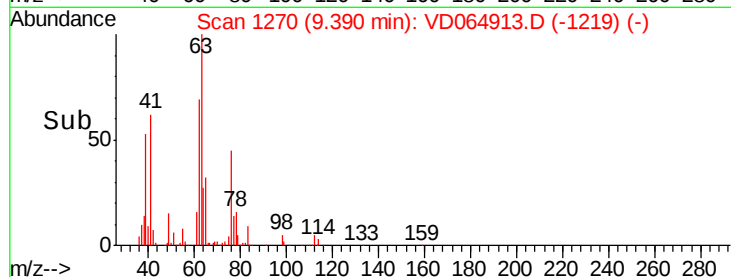
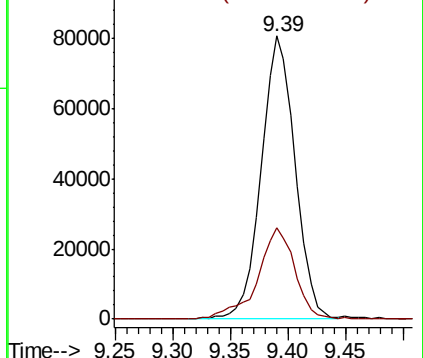
63 100

65 32.1 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.562 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

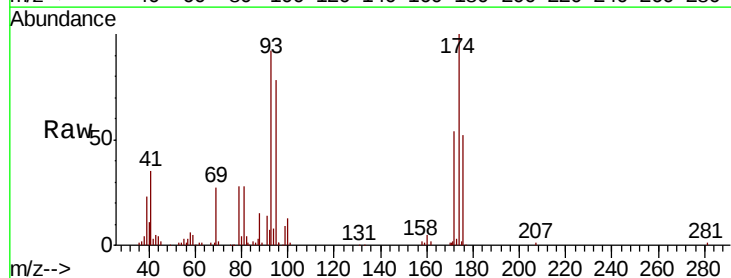
Tgt Ion: 93 Resp: 84745

Ion Ratio Lower Upper

93 100

95 80.4 64.6 97.0

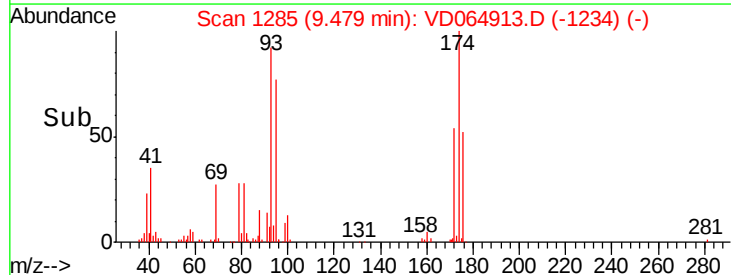
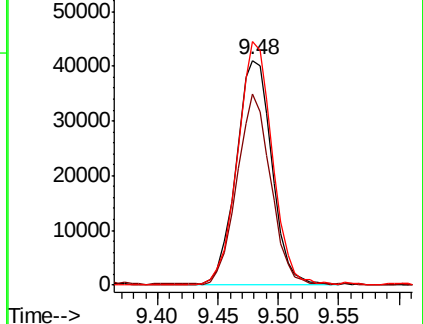
174 105.5 88.1 132.1

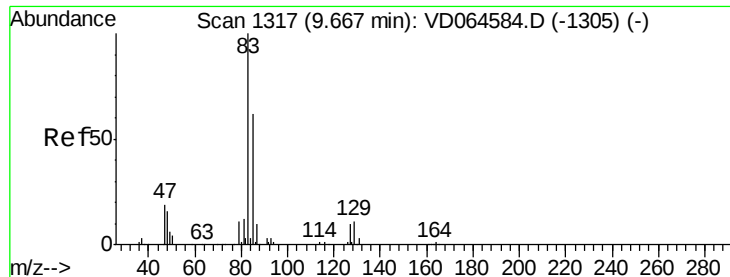


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.800 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

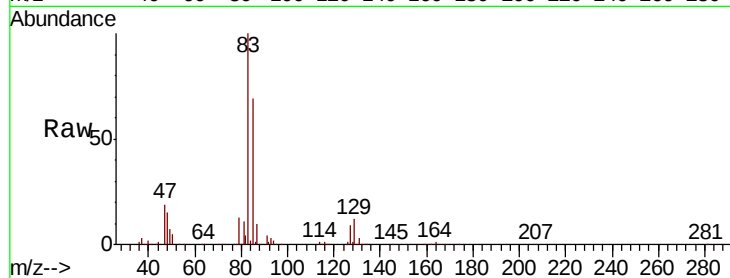
Tot Ion: 83 Resp: 245593

Ion Ratio Lower Upper

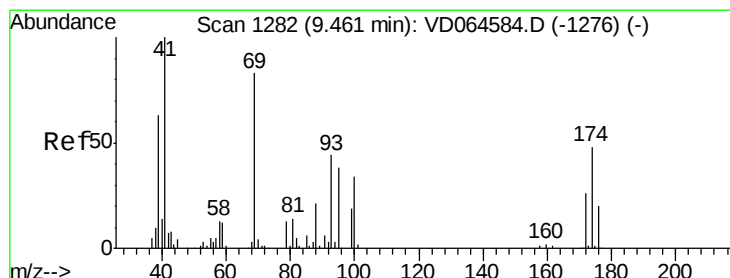
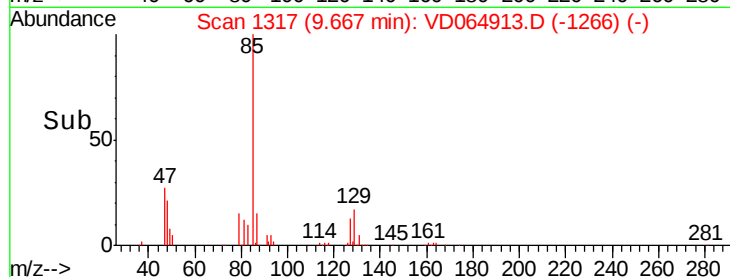
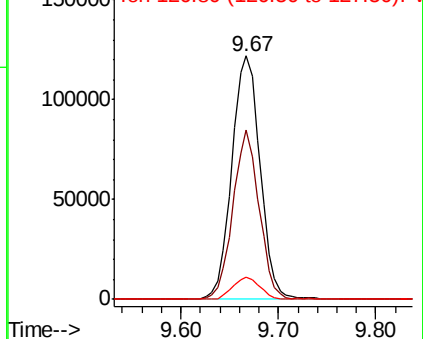
83 100

85 69.4 49.5 74.3

127 9.0 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: 45.917 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

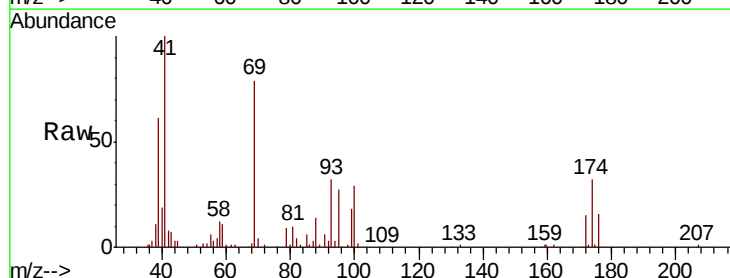
Tgt Ion: 41 Resp: 82890

Ion Ratio Lower Upper

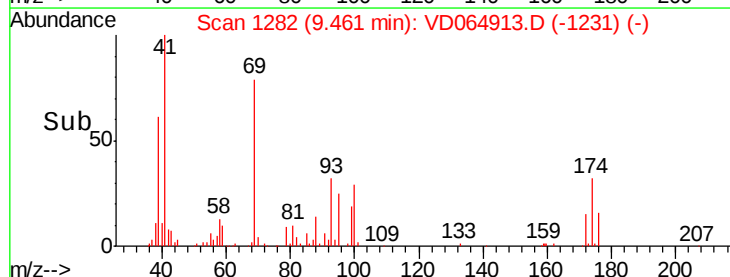
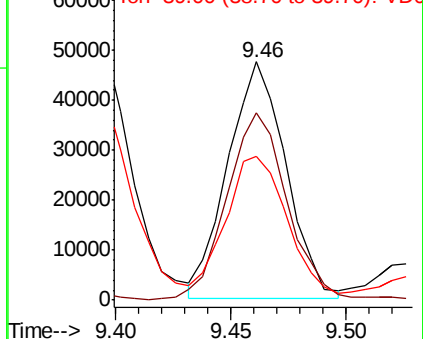
41 100

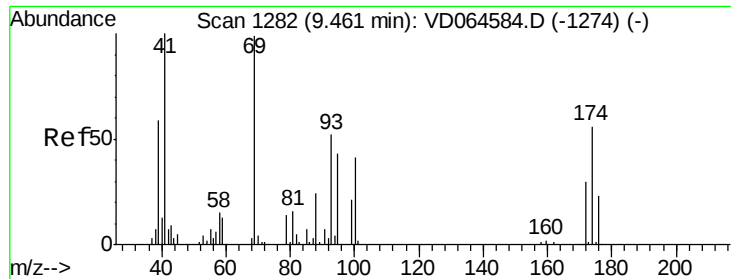
69 83.0 63.0 94.6

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

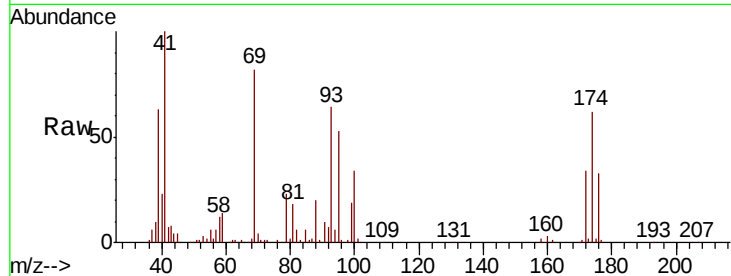




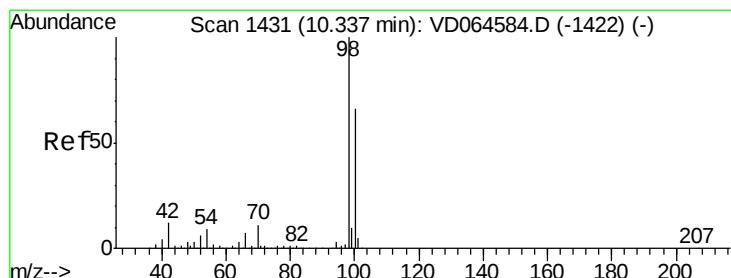
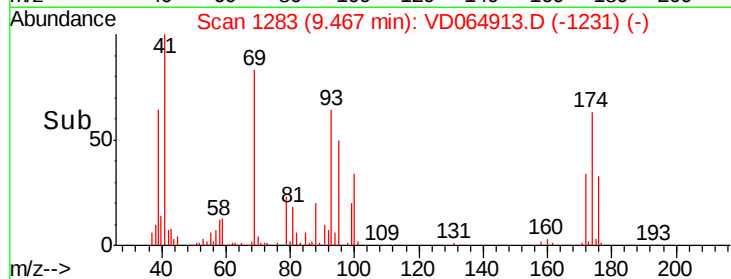
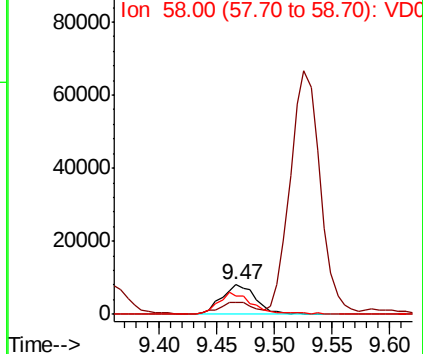
#49
1,4-Dioxane
Concen: 824.290 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 16935
Ion Ratio Lower Upper
88 100
43 43.6 27.7 41.5#
58 69.4 53.8 80.6

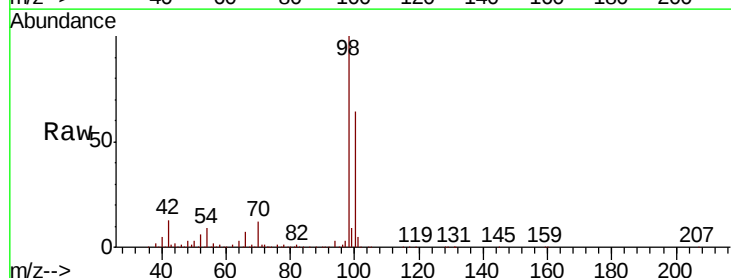


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

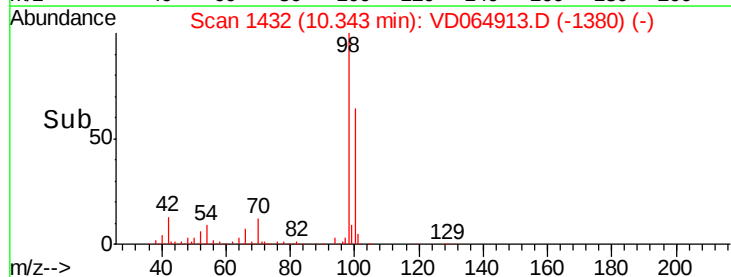
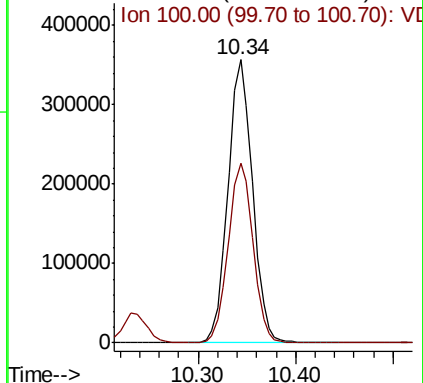


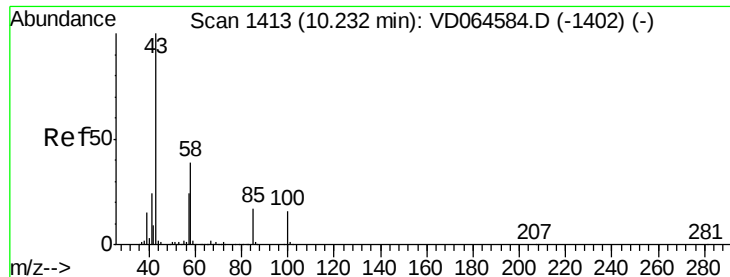
#50
Toluene-d8
Concen: 52.120 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 98 Resp: 623855
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



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

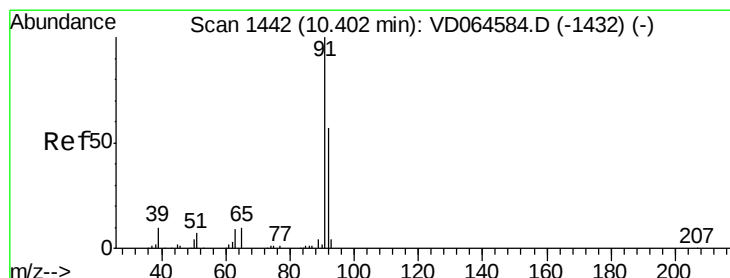
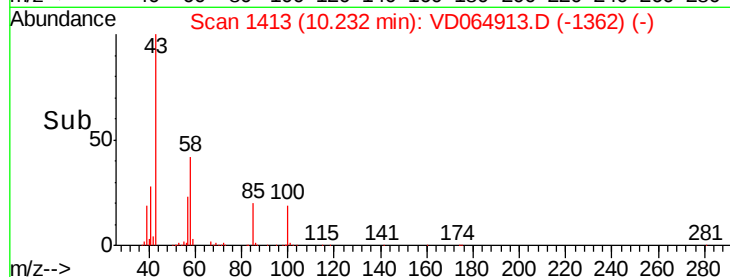
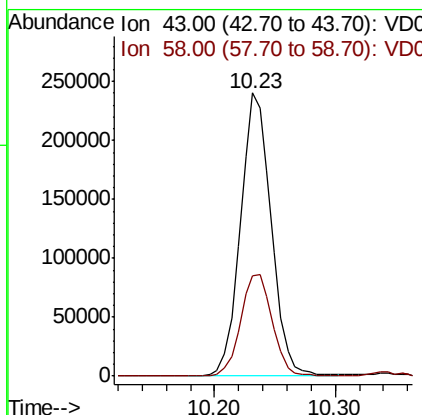
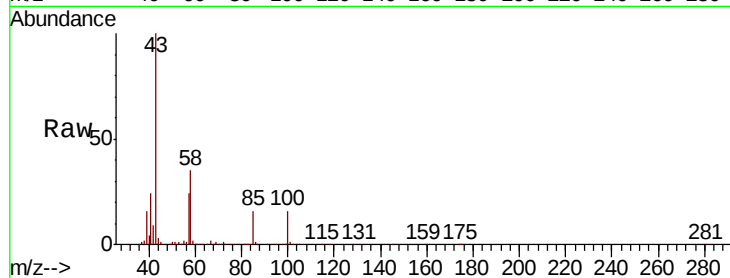




#51
4-Methyl-2-Pentanone
Concen: 224.883 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

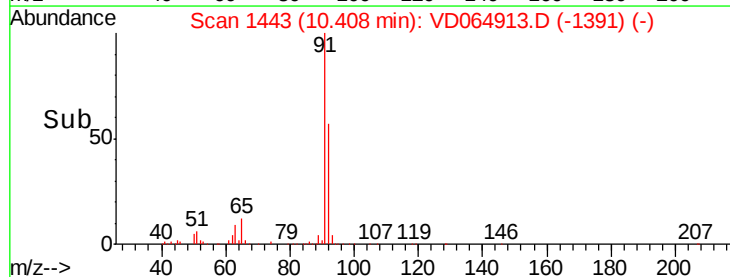
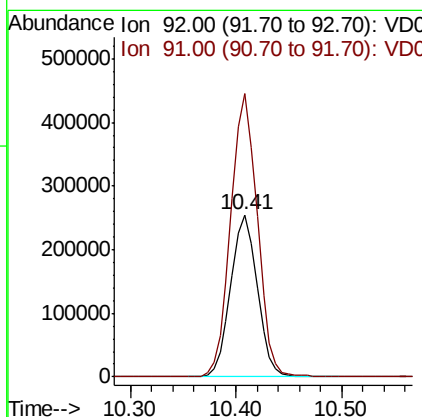
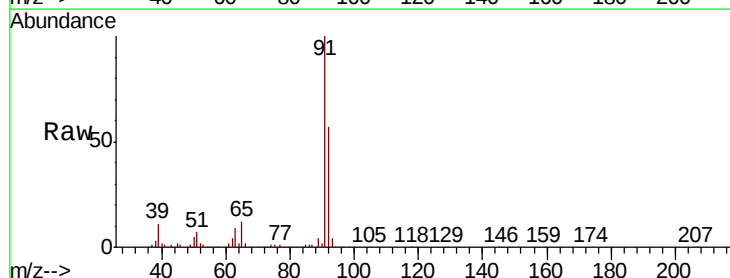
Instrument :
MSVOA_D
ClientSampleId :

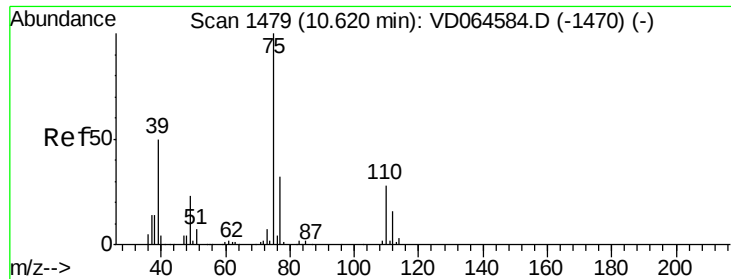
Tot Ion: 43 Resp: 426154
Ion Ratio Lower Upper
43 100
58 37.0 30.2 45.2



#52
Toluene
Concen: 50.580 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 92 Resp: 444166
Ion Ratio Lower Upper
92 100
91 174.1 138.7 208.1

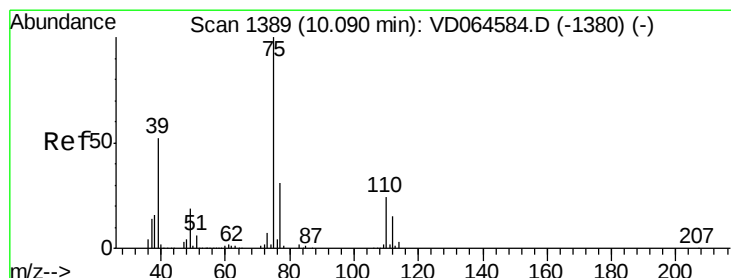
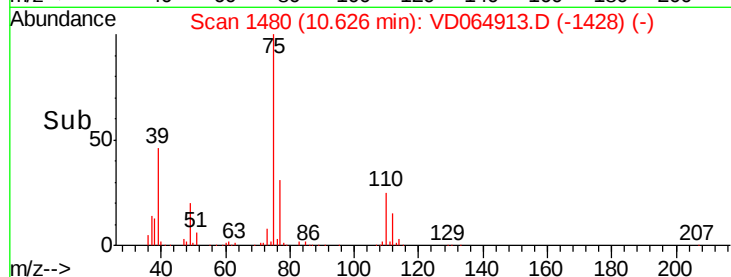
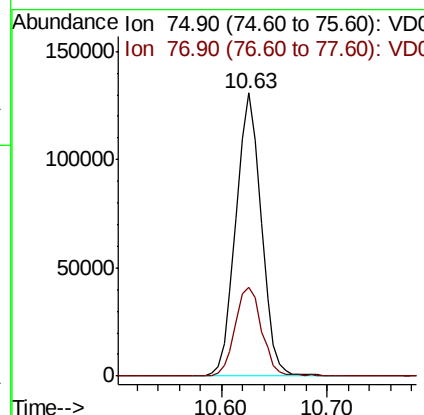
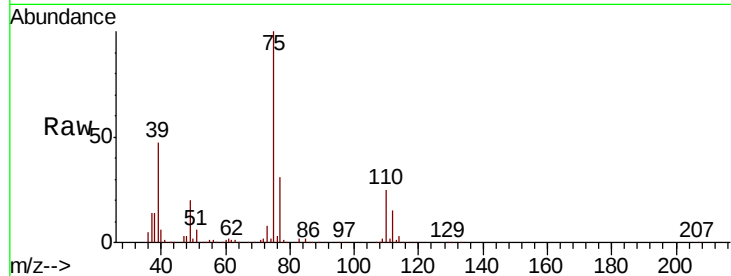




#53
t-1,3-Dichloropropene
Concen: 49.280 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

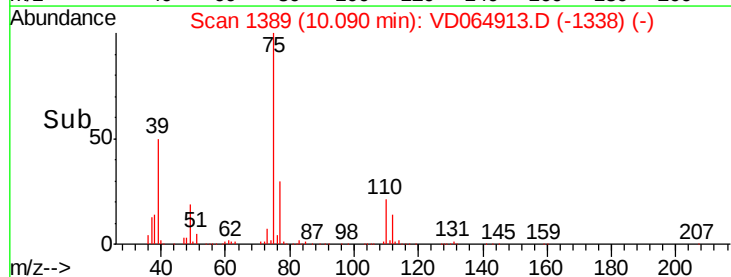
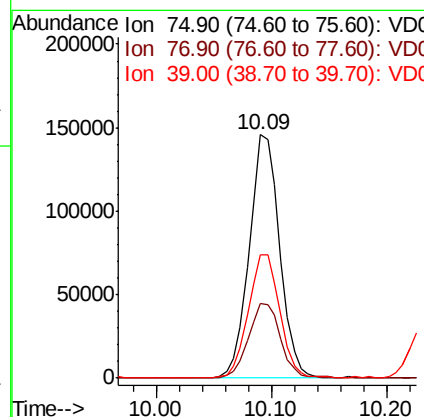
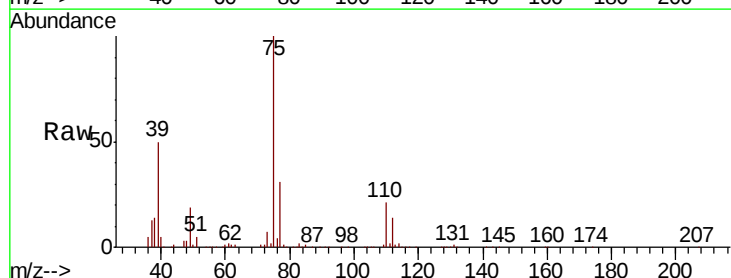
Instrument :
MSVOA_D
ClientSampleID :

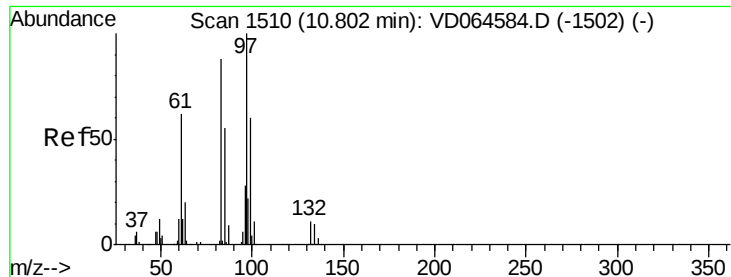
Tot Ion: 75 Resp: 217836
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 51.339 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 75 Resp: 267588
Ion Ratio Lower Upper
75 100
77 30.3 24.6 36.8
39 50.2 41.4 62.2

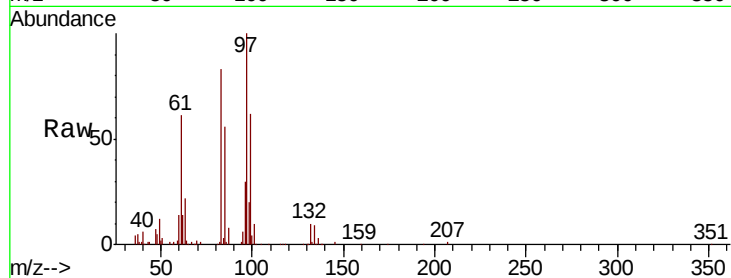




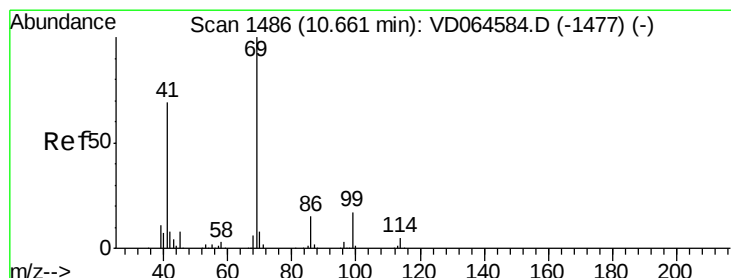
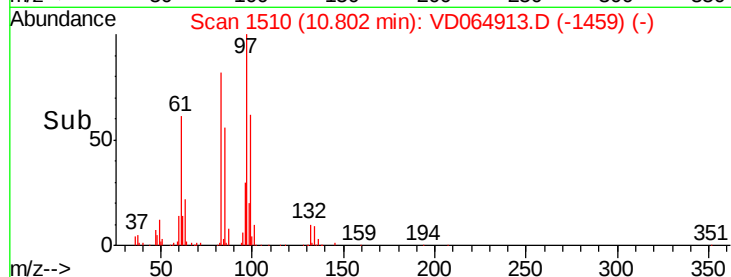
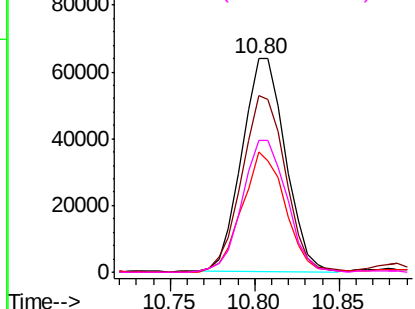
#55
 1,1,2-Trichloroethane
 Concen: 47.965 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 115174
 Ion Ratio Lower Upper
 97 100
 83 82.8 70.2 105.4
 85 56.6 44.0 66.0
 99 62.2 47.8 71.6

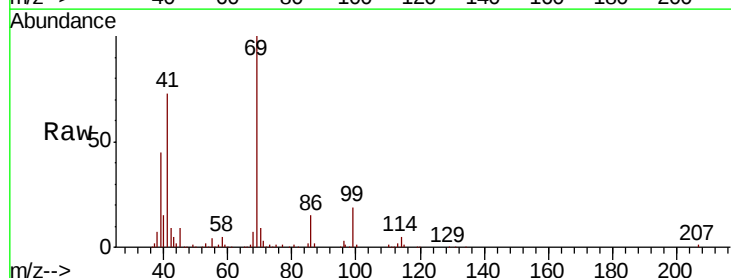


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

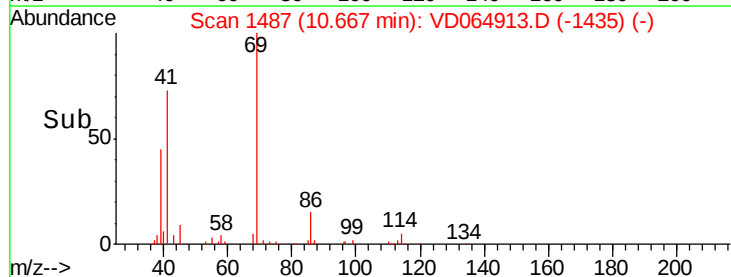
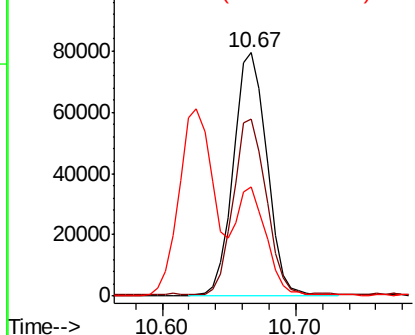


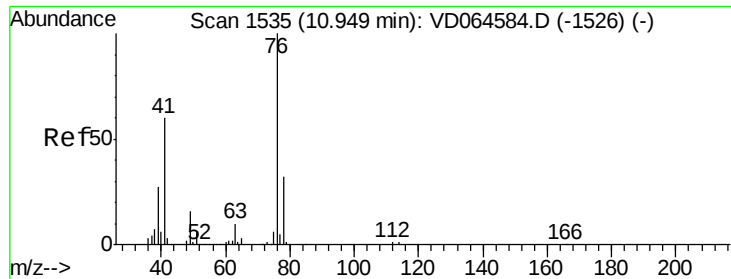
#56
 Ethyl methacrylate
 Concen: 46.340 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion: 69 Resp: 138967
 Ion Ratio Lower Upper
 69 100
 41 71.1 55.3 82.9
 39 40.2 33.8 50.8



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





#57

1,3-Dichloropropane

Concen: 48.475 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

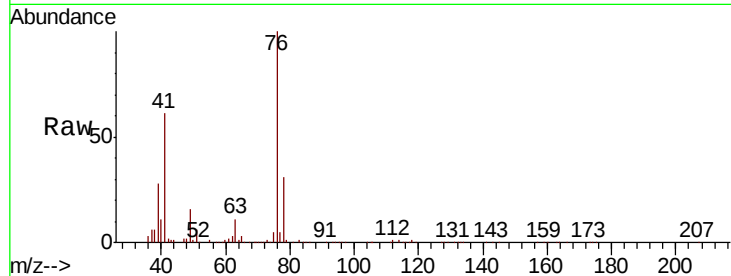
ClientSampleId :

Tot Ion: 76 Resp: 200416

Ion Ratio Lower Upper

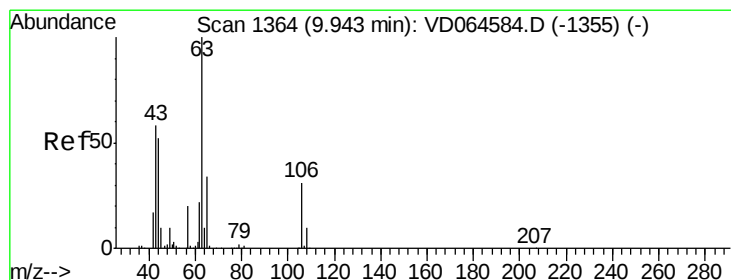
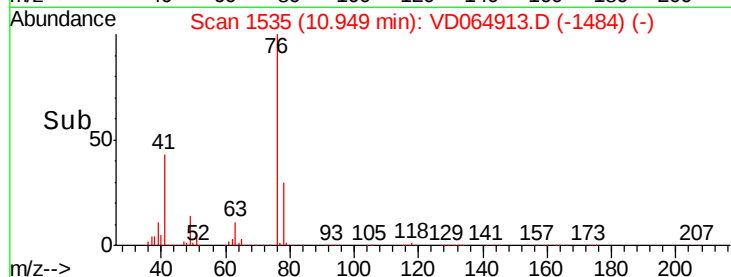
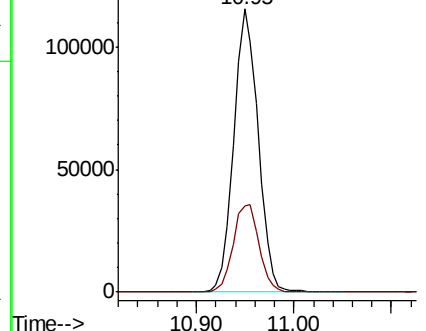
76 100

78 33.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 226.070 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064913.D

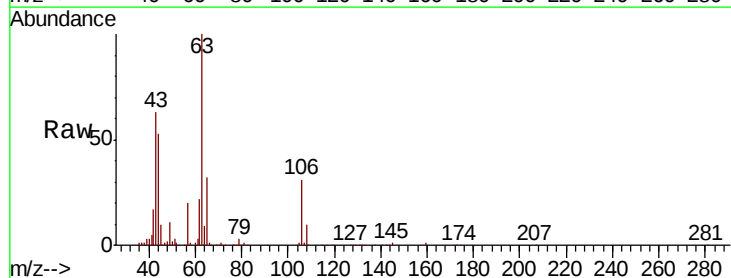
Acq: 21 Jan 2020 17:06

Tgt Ion: 63 Resp: 258291

Ion Ratio Lower Upper

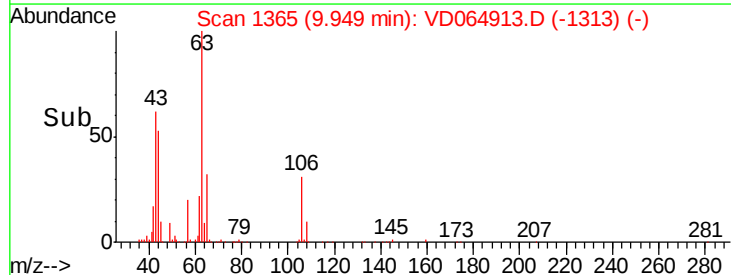
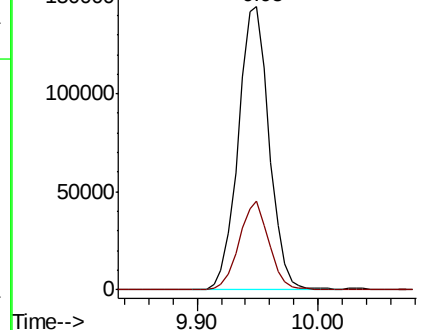
63 100

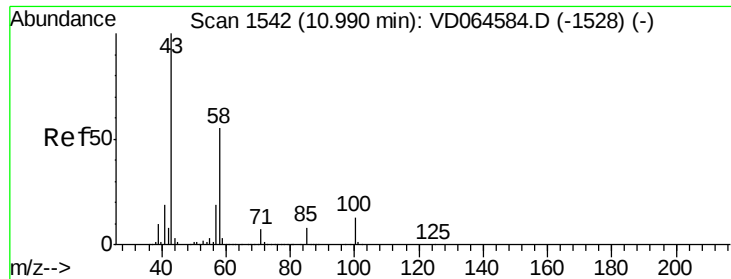
106 30.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

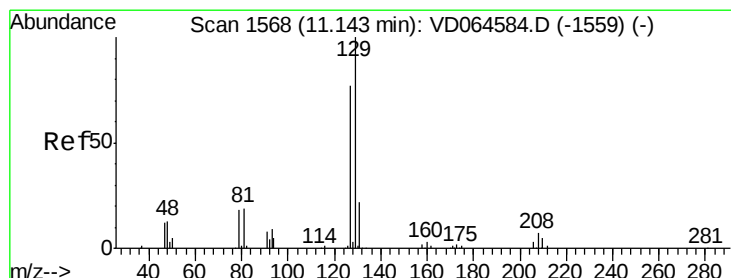
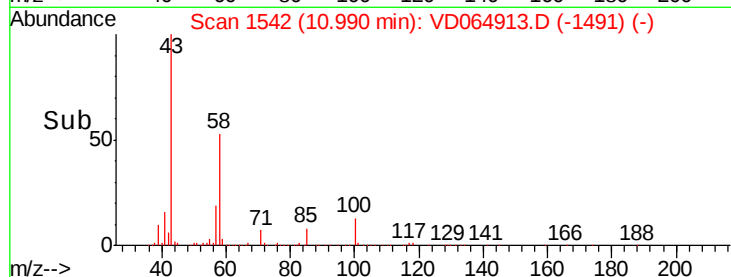
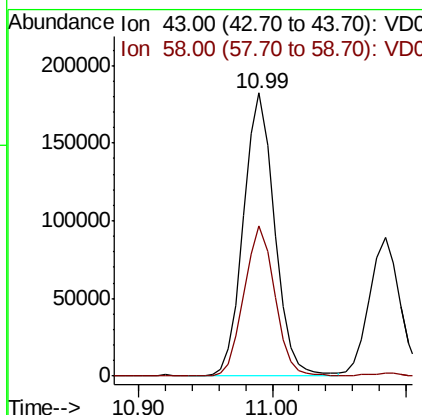
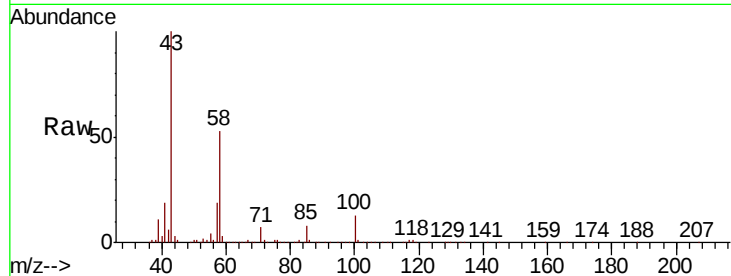




#59
2-Hexanone
Concen: 226.298 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

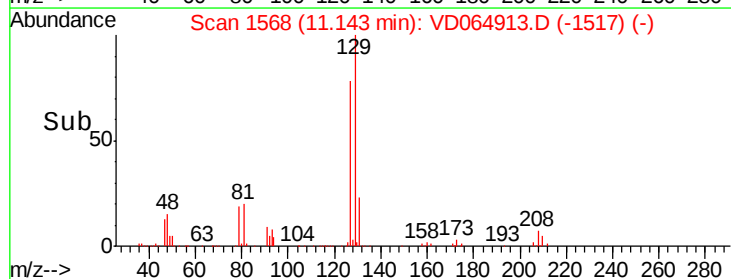
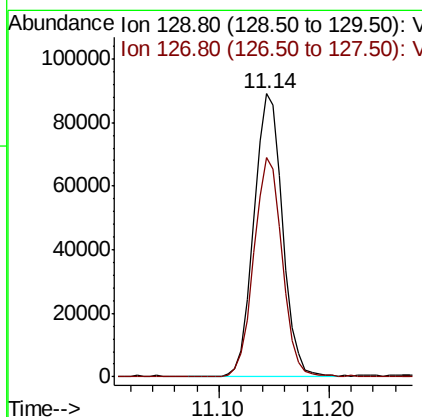
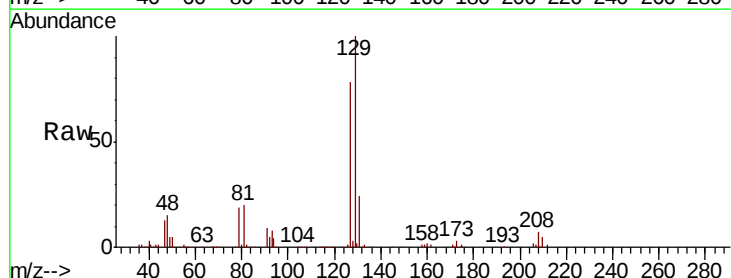
Instrument :
MSVOA_D
ClientSampled :

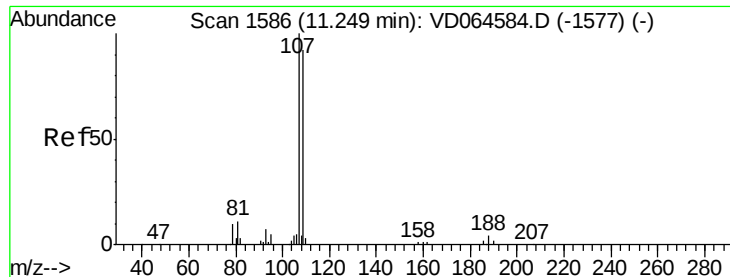
Tot Ion: 43 Resp: 291059
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0



#60
Dibromochloromethane
Concen: 48.997 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 129 Resp: 162700
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 46.064 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

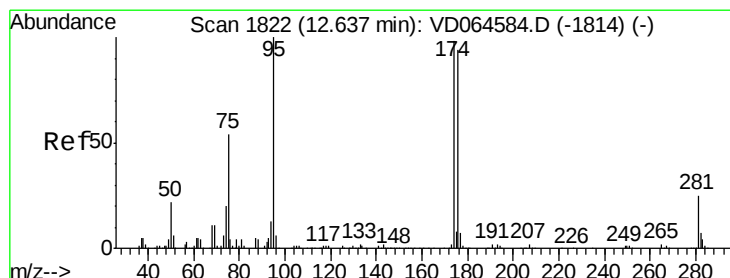
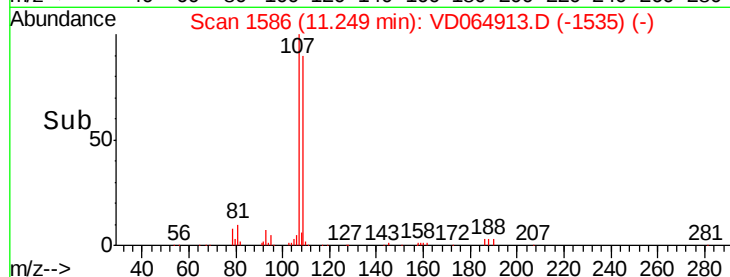
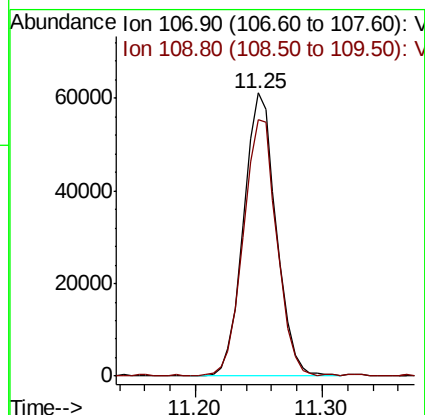
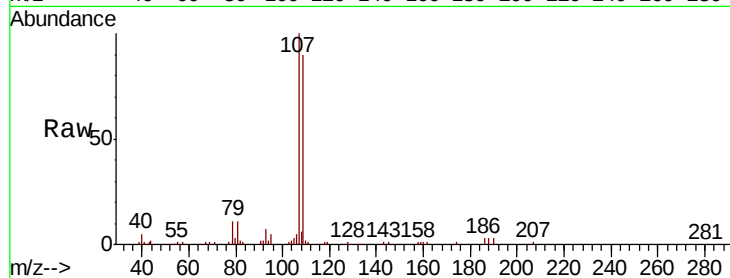
ClientSampleId :

Tot Ion:107 Resp: 109098

Ion Ratio Lower Upper

107 100

109 93.2 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 52.603 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

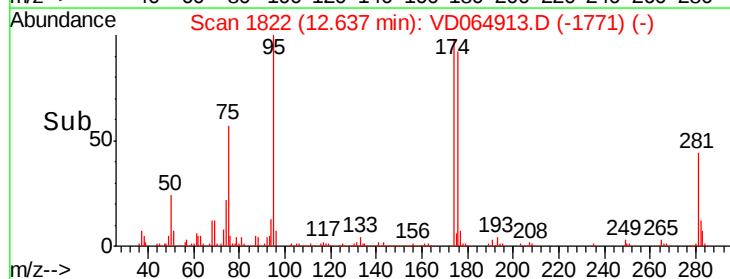
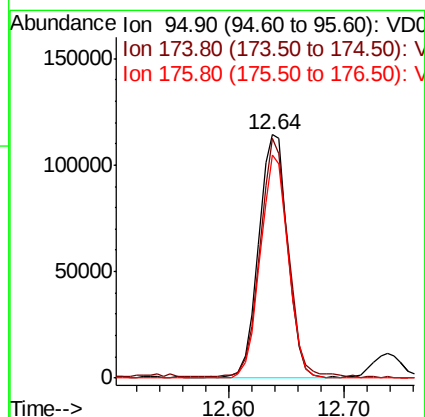
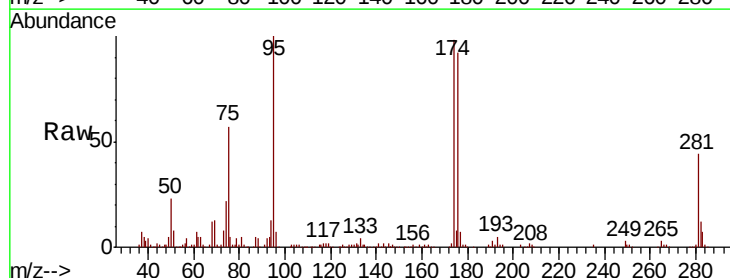
Tgt Ion: 95 Resp: 199098

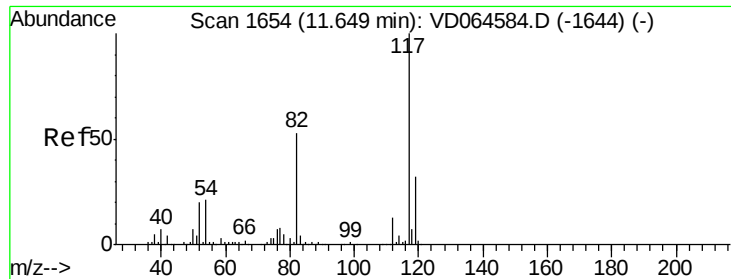
Ion Ratio Lower Upper

95 100

174 97.7 0.0 193.2

176 88.8 0.0 184.2

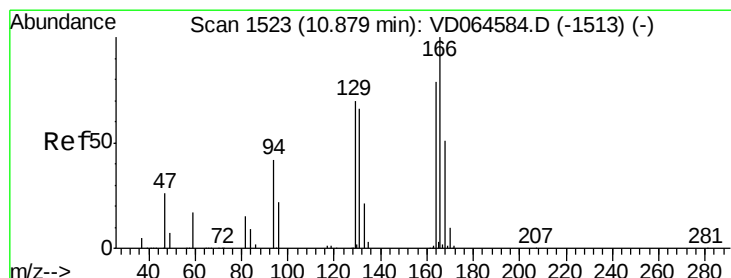
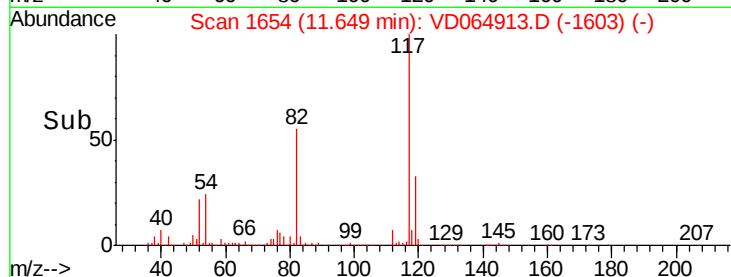
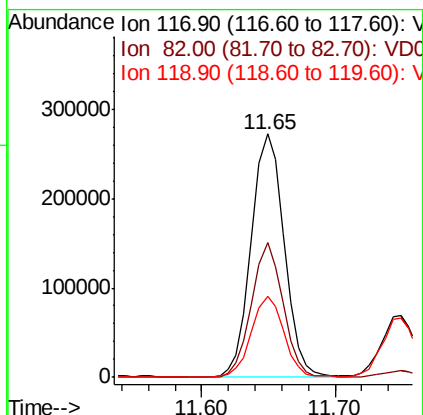
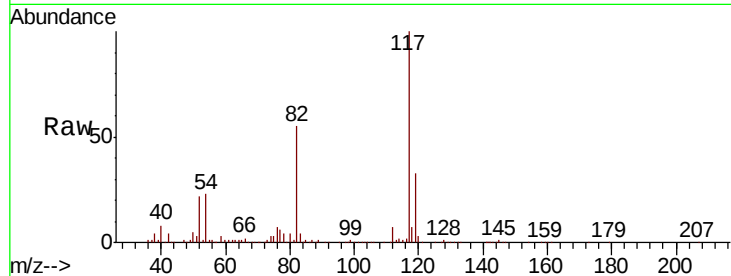




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

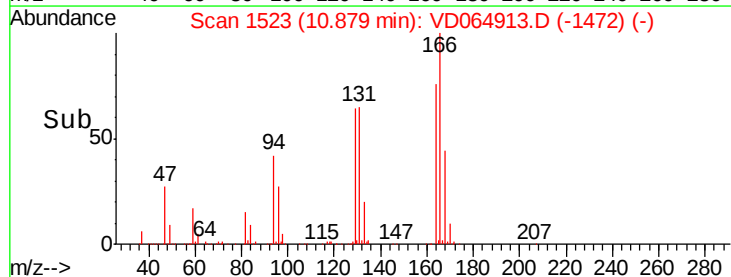
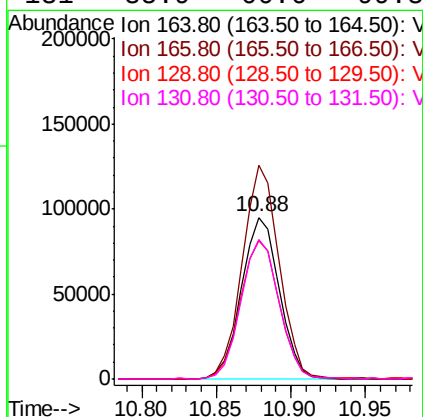
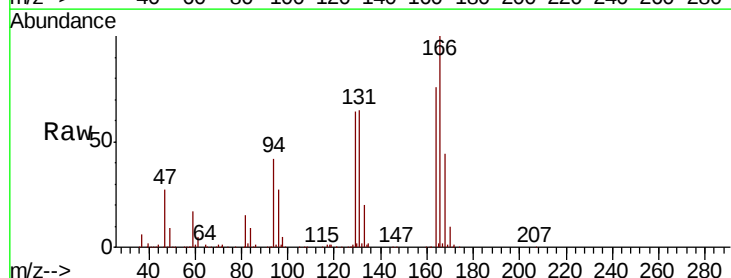
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 463164
Ion Ratio Lower Upper
117 100
82 55.3 42.2 63.4
119 33.3 26.0 39.0



#64
Tetrachloroethene
Concen: 47.089 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion:164 Resp: 167322
Ion Ratio Lower Upper
164 100
166 132.4 101.3 151.9
129 85.4 70.5 105.7
131 85.9 66.6 99.8

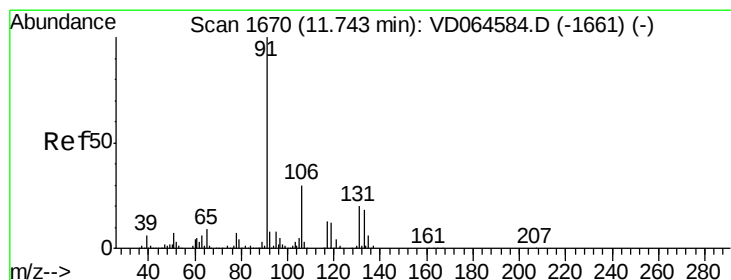
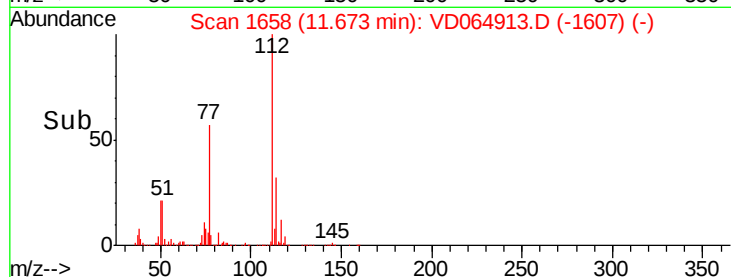
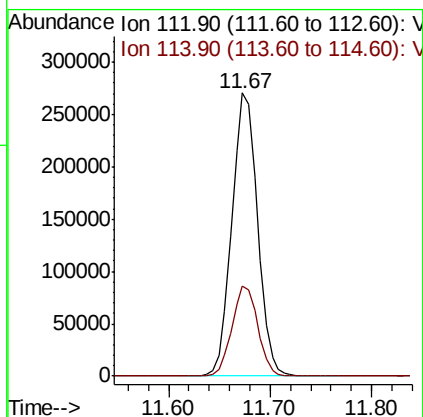
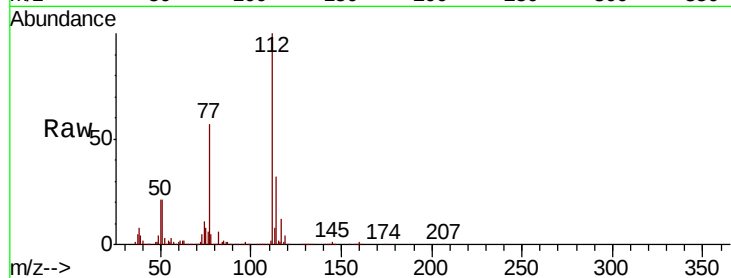




#65
Chlorobenzene
Concen: 49.497 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

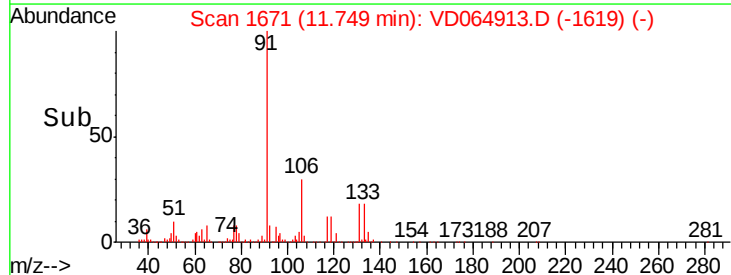
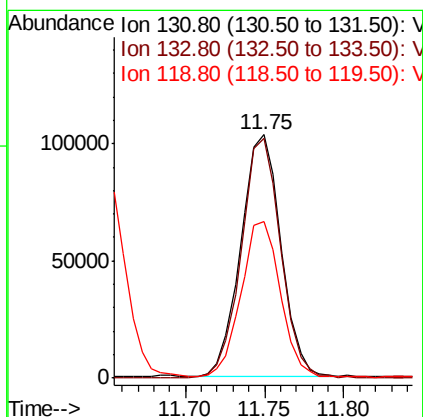
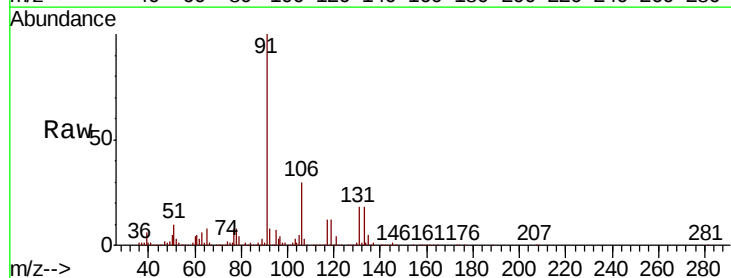
Instrument :
MSVOA_D
ClientSampleId :

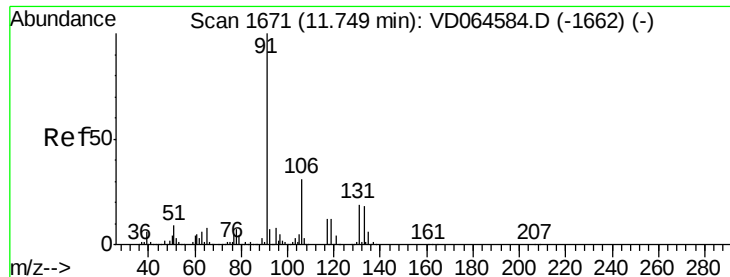
Tot Ion:112 Resp: 475814
Ion Ratio Lower Upper
112 100
114 31.9 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.058 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion:131 Resp: 181406
Ion Ratio Lower Upper
131 100
133 98.1 48.3 144.8
119 63.2 32.1 96.3





#67

Ethyl Benzene

Concen: 51.326 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

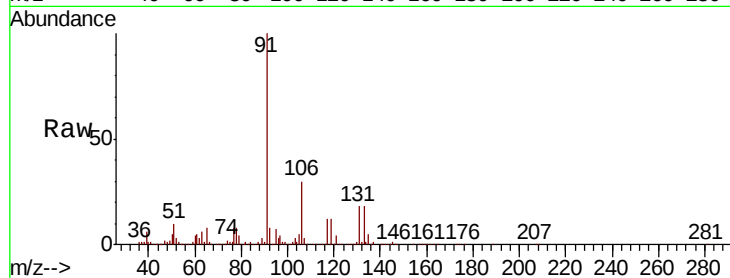
ClientSampled :

Tot Ion: 91 Resp: 895544

Ion Ratio Lower Upper

91 100

106 29.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

800000

600000

400000

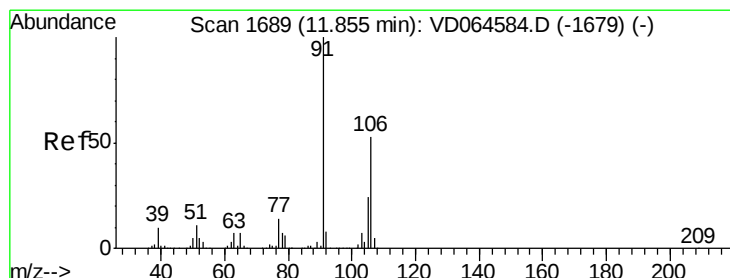
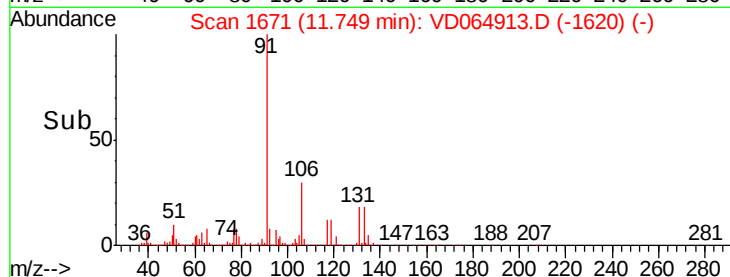
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 101.466 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064913.D

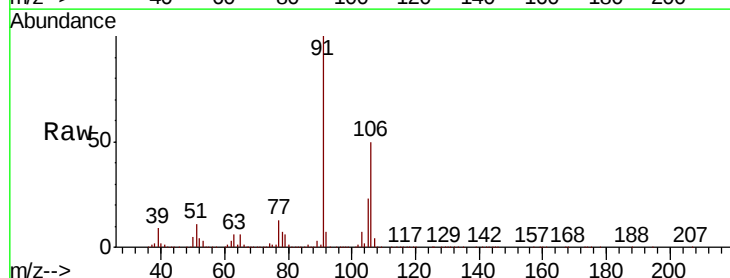
Acq: 21 Jan 2020 17:06

Tgt Ion: 106 Resp: 683330

Ion Ratio Lower Upper

106 100

91 197.9 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

400000

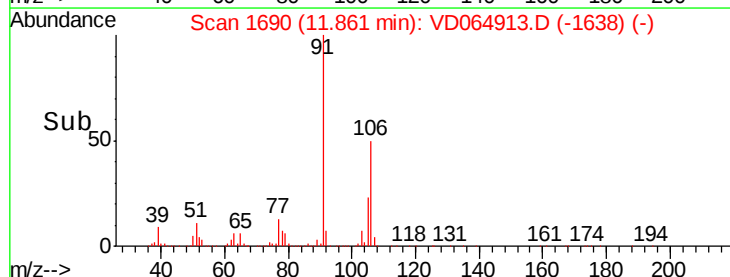
200000

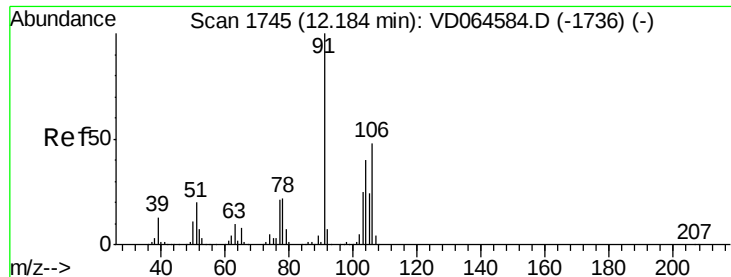
0

11.86

11.90

Time-->

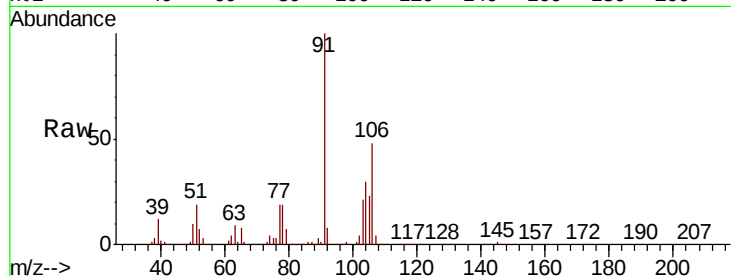




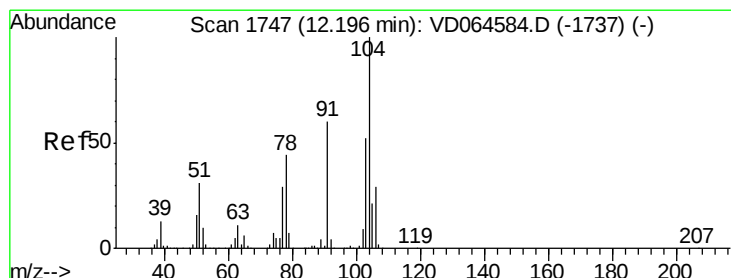
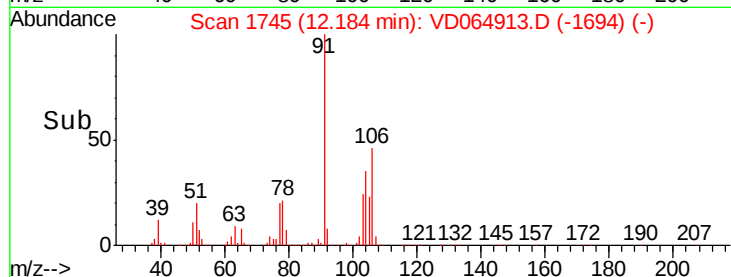
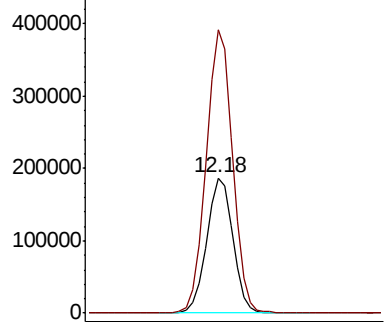
#69
o-Xylene
Concen: 51.386 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 312579
Ion Ratio Lower Upper
106 100
91 209.5 104.8 314.4

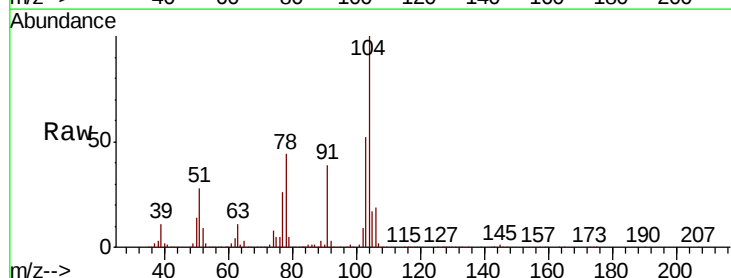


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

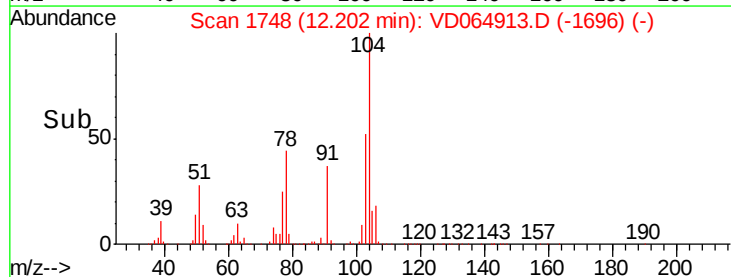
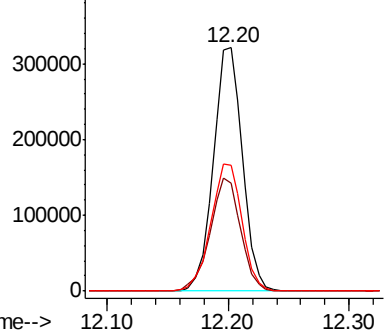


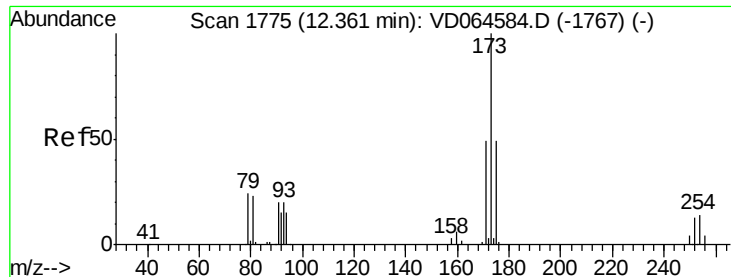
#70
Styrene
Concen: 50.616 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion:104 Resp: 540450
Ion Ratio Lower Upper
104 100
78 48.8 38.2 57.2
103 56.0 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: 44.941 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

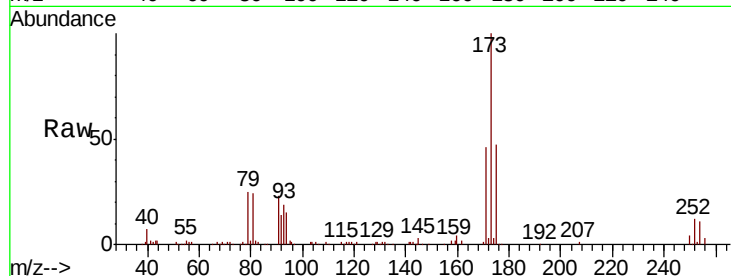
Tot Ion:173 Resp: 92876

Ion Ratio Lower Upper

173 100

175 48.6 24.6 73.8

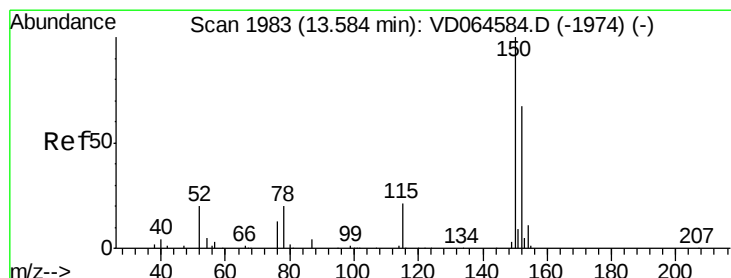
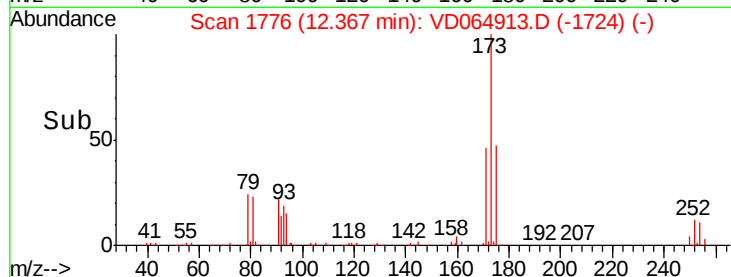
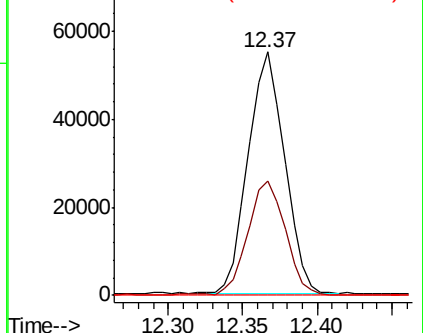
254 0.1 0.1 0.1#



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: VD064913.D

Acq: 21 Jan 2020 17:06

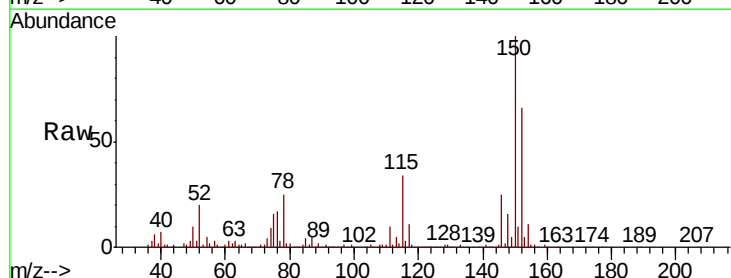
Tgt Ion:152 Resp: 232916

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.4

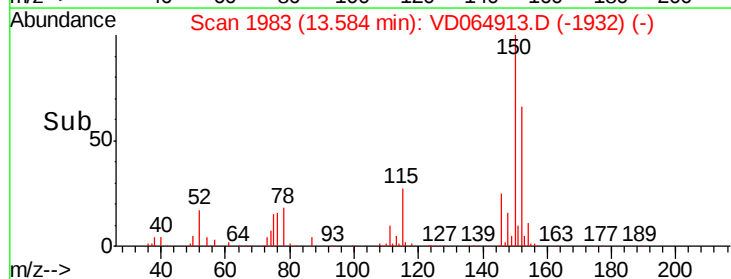
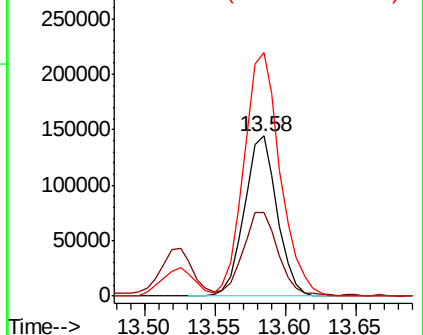
150 169.8 0.0 351.4

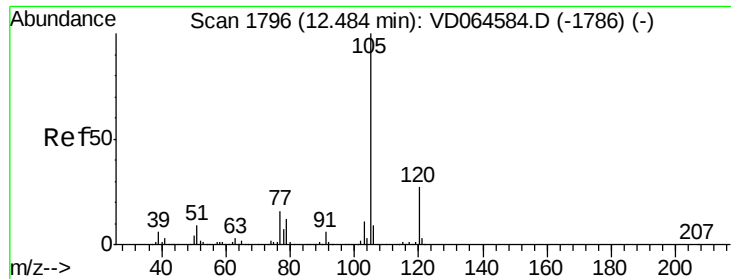


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

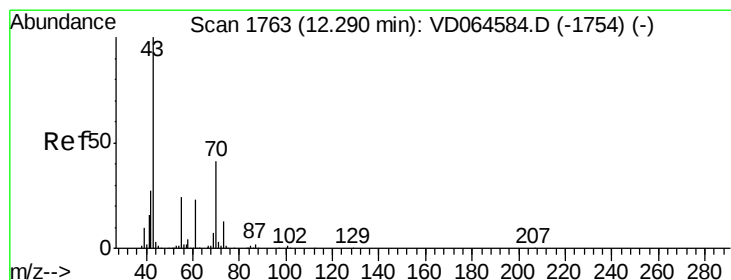
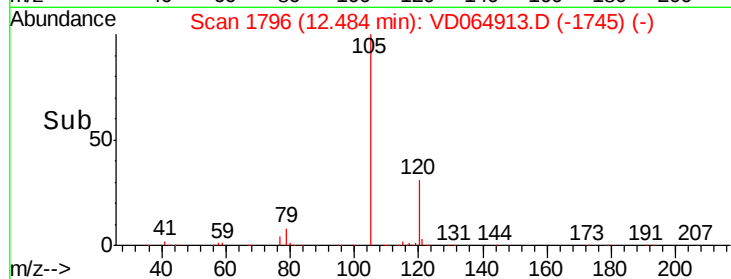
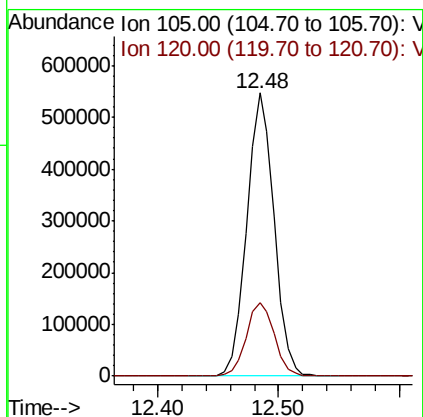
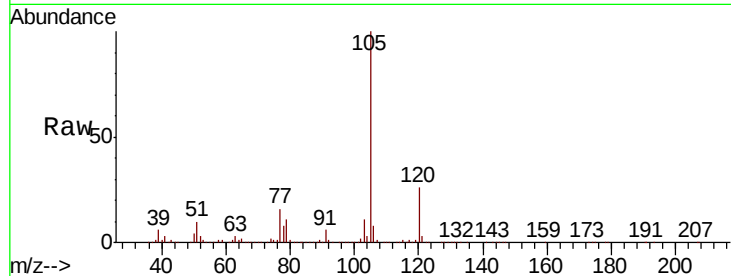




#73
Isopropylbenzene
Concen: 51.517 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

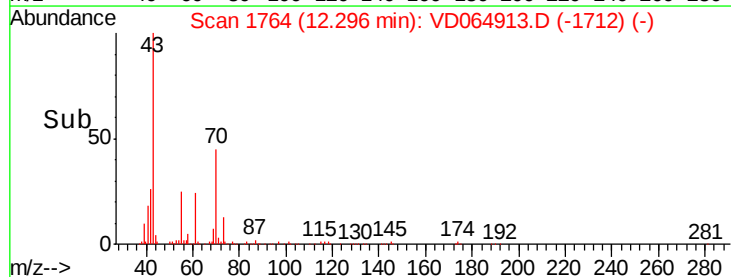
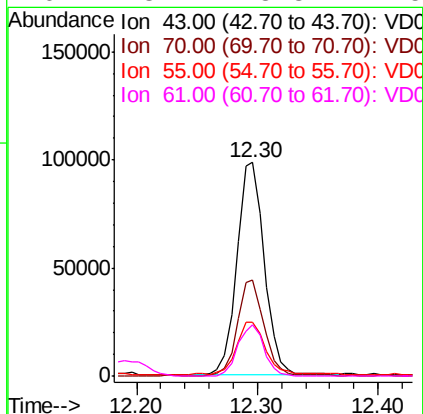
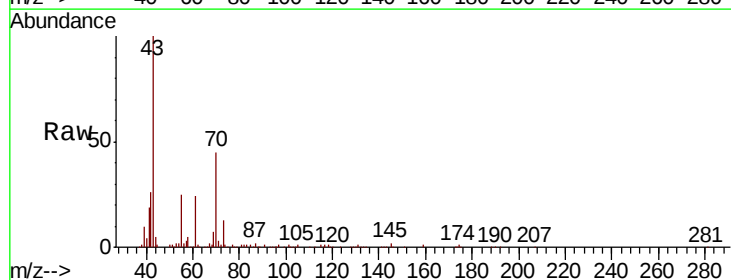
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:105 Resp: 857488
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.5



#74
N-ethyl acetate
Concen: 43.966 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 43 Resp: 156432
Ion Ratio Lower Upper
43 100
70 43.0 33.4 50.0
55 26.8 19.4 29.0
61 23.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.300 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

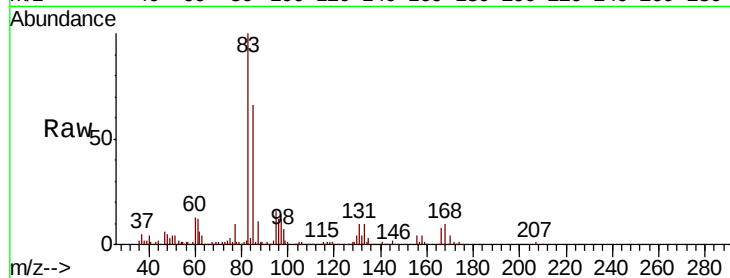
Tot Ion: 83 Resp: 118447

Ion Ratio Lower Upper

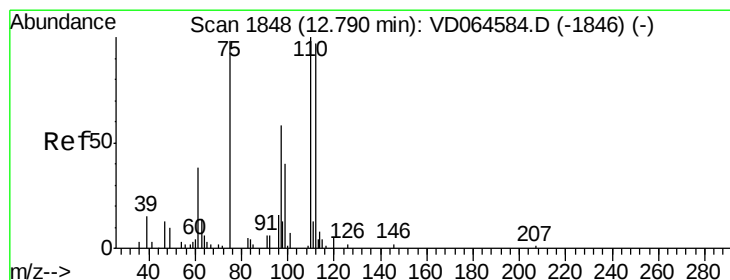
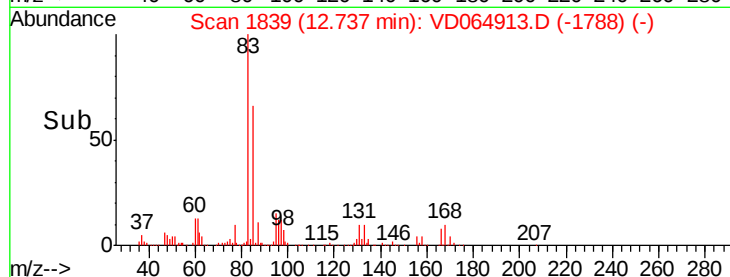
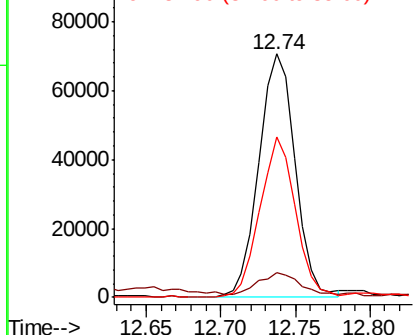
83 100

131 11.5 5.8 17.4

85 64.9 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: 87.371 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064913.D

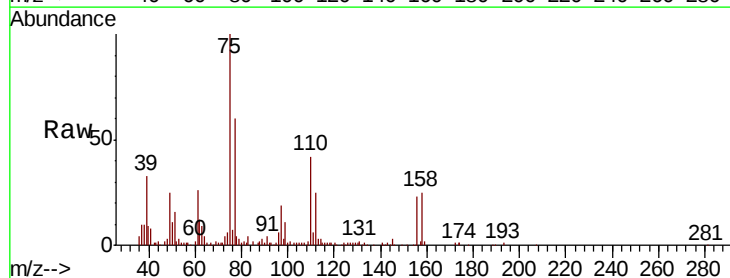
Acq: 21 Jan 2020 17:06

Tgt Ion: 75 Resp: 160697

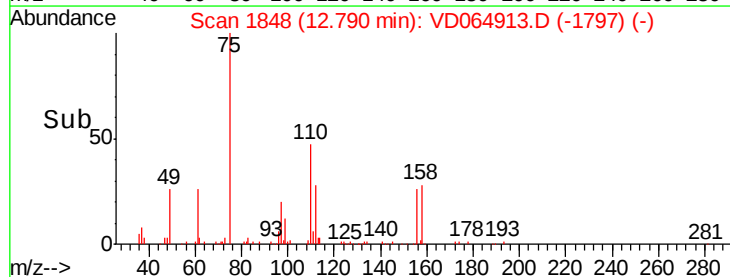
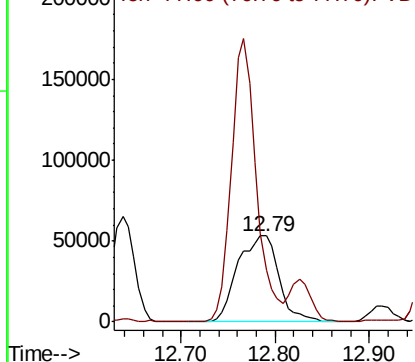
Ion Ratio Lower Upper

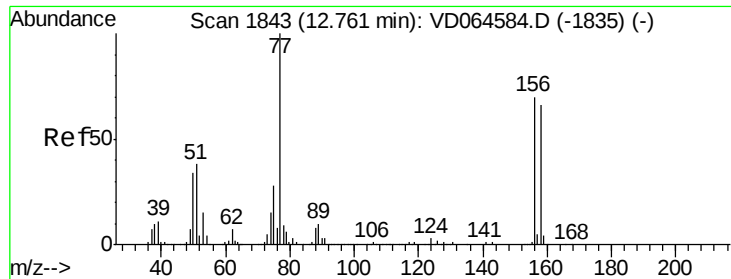
75 100

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: 48.187 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

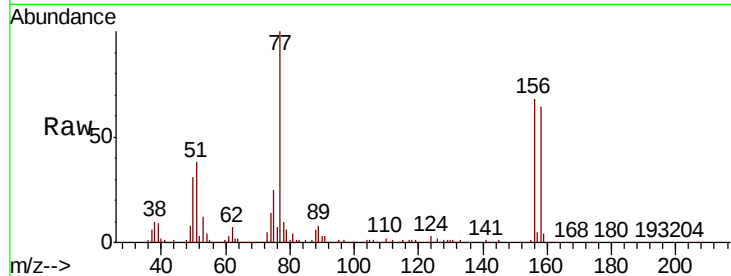
Tot Ion:156 Resp: 197078

Ion Ratio Lower Upper

156 100

77 163.6 80.9 242.7

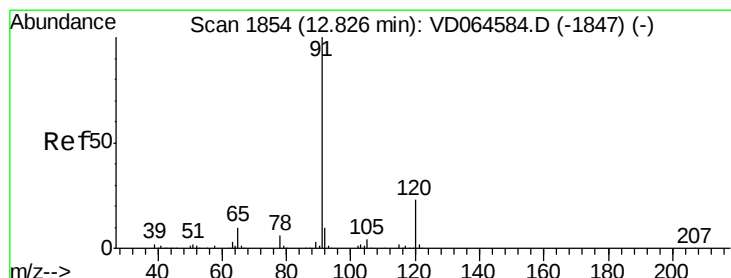
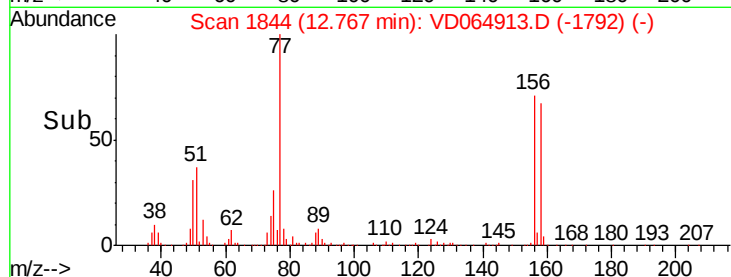
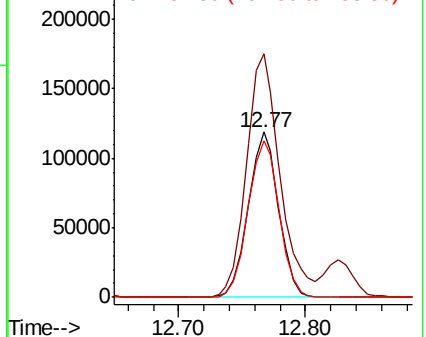
158 97.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.230 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064913.D

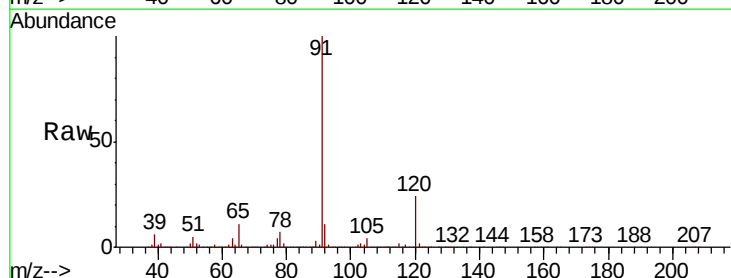
Acq: 21 Jan 2020 17:06

Tgt Ion: 91 Resp: 1014209

Ion Ratio Lower Upper

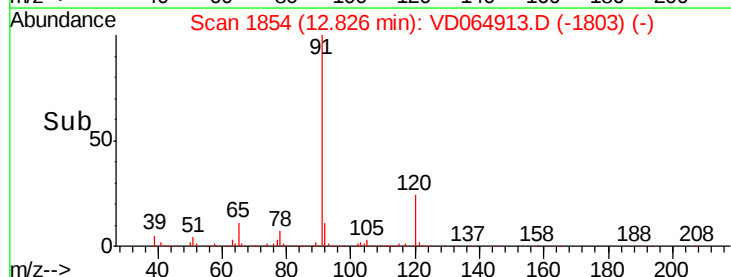
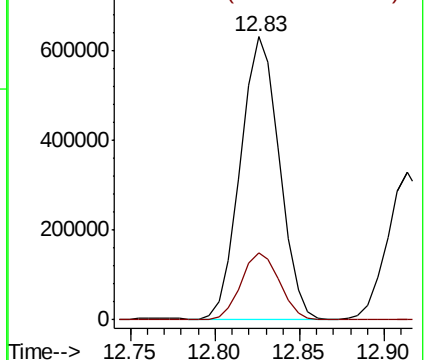
91 100

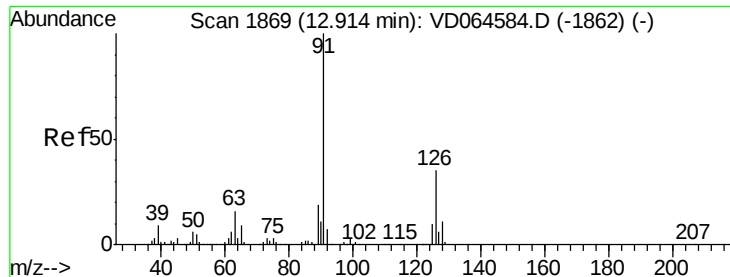
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

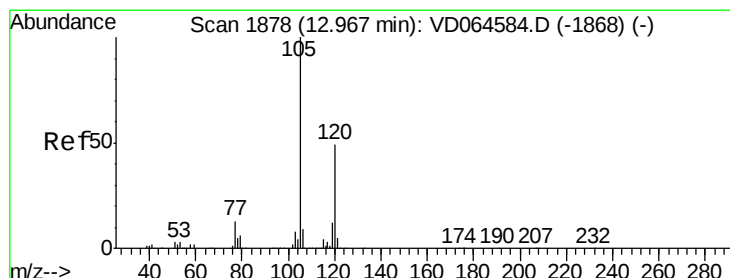
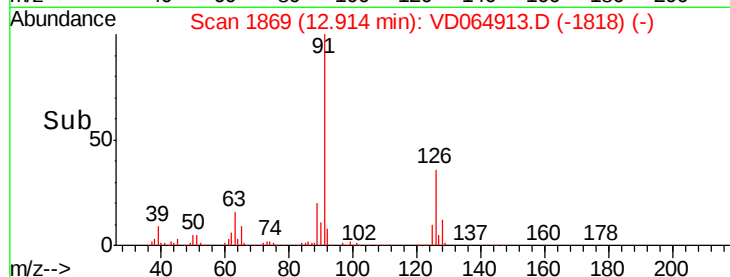
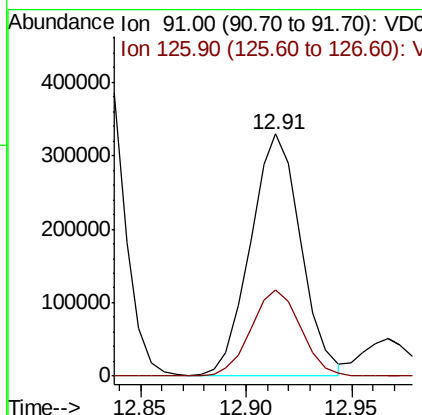
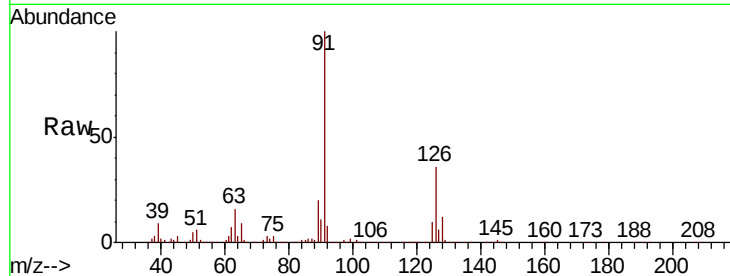




#79
2-Chlorotoluene
Concen: 50.959 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

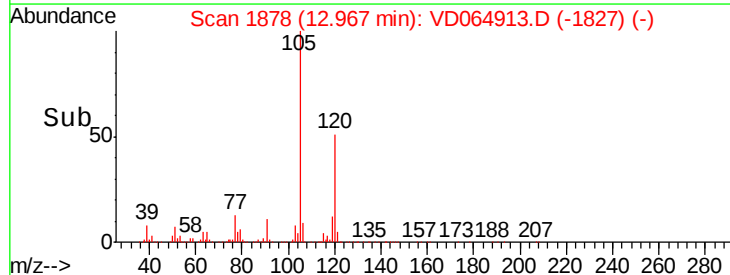
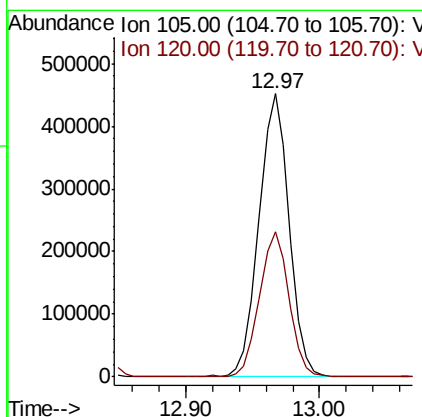
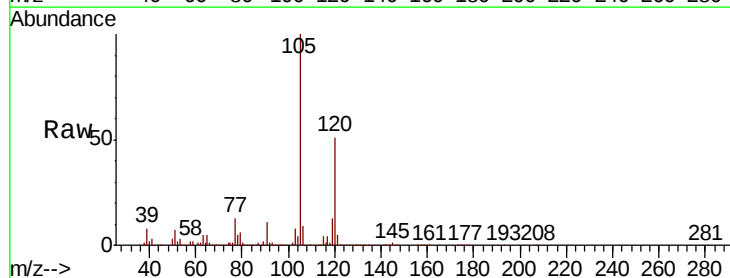
Instrument :
MSVOA_D
ClientSampleId :

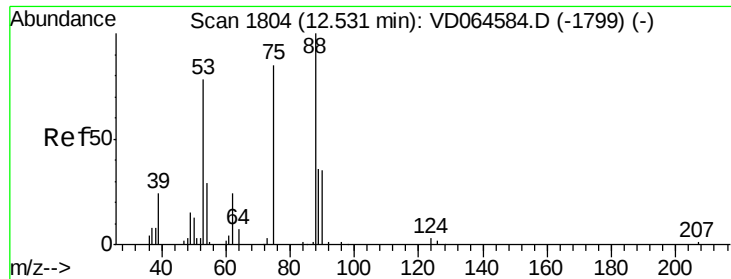
Tot Ion: 91 Resp: 543589
Ion Ratio Lower Upper
91 100
126 35.4 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 51.203 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion:105 Resp: 700090
Ion Ratio Lower Upper
105 100
120 50.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 43.341 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

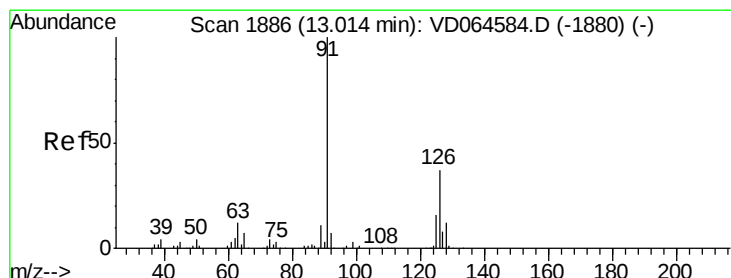
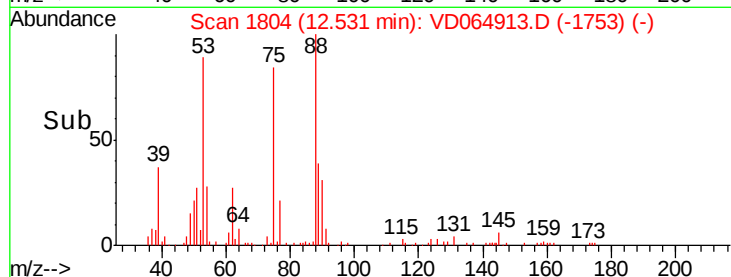
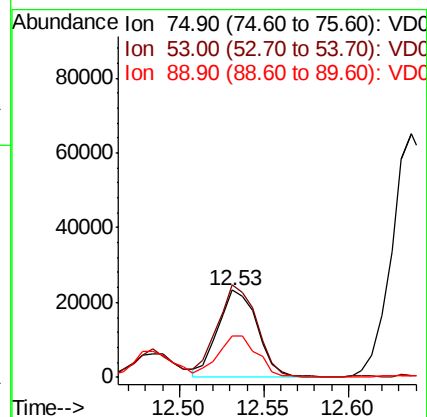
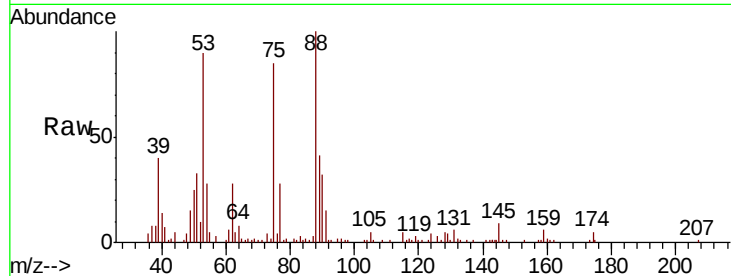
Tot Ion: 75 Resp: 38114

Ion Ratio Lower Upper

75 100

53 106.4 78.8 118.2

89 47.9 38.3 57.5



#82

4-Chlorotoluene

Concen: 50.045 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064913.D

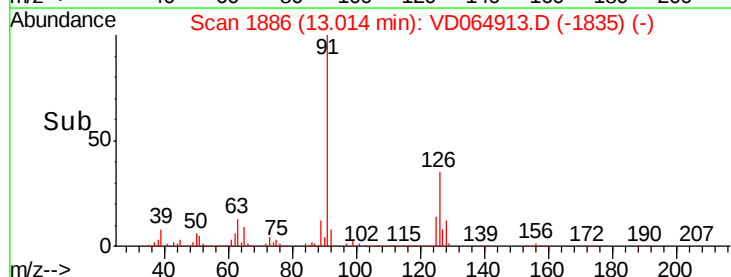
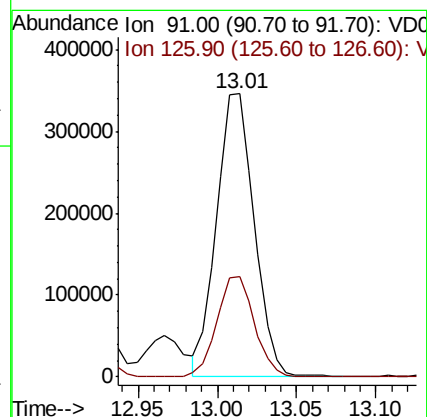
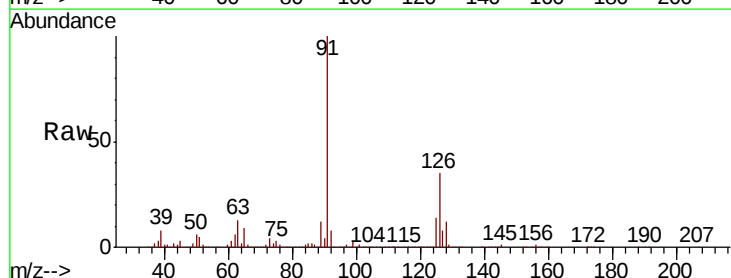
Acq: 21 Jan 2020 17:06

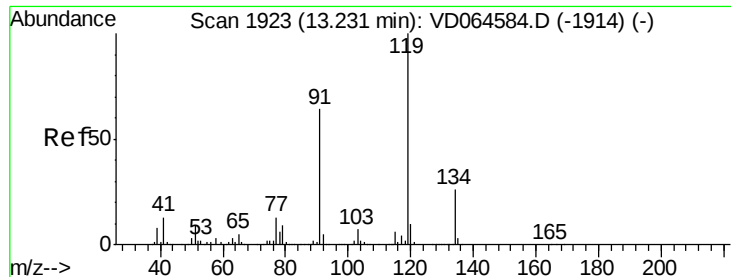
Tgt Ion: 91 Resp: 568108

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5

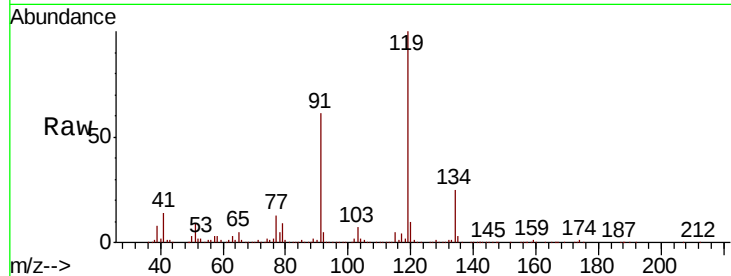




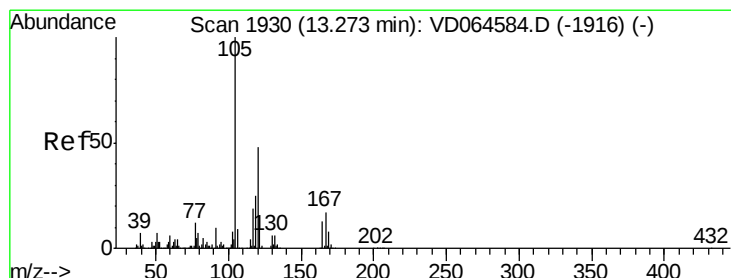
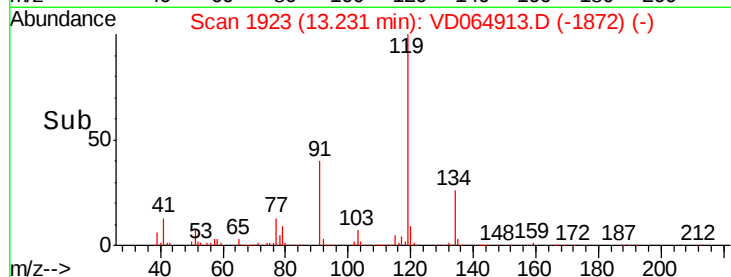
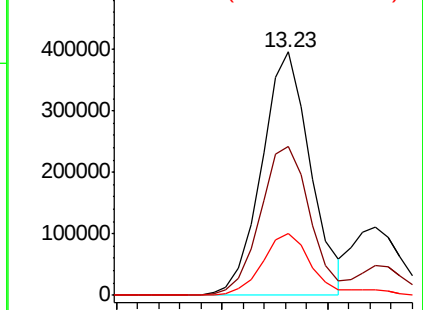
#83
tert-Butylbenzene
Concen: 53.232 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 631939
Ion Ratio Lower Upper
119 100
91 62.3 30.8 92.4
134 27.0 12.8 38.3

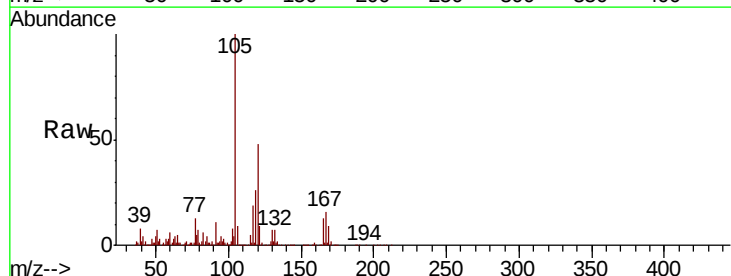


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

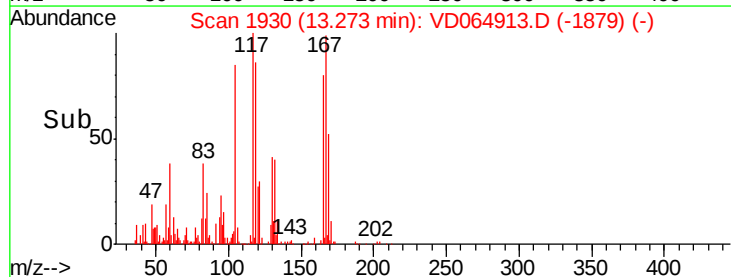
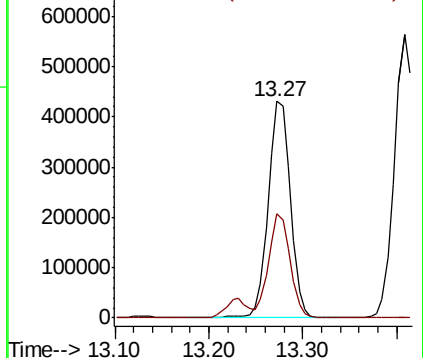


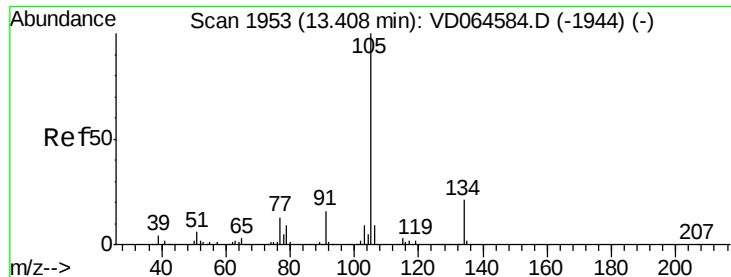
#84
1,2,4-Trimethylbenzene
Concen: 51.601 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion:105 Resp: 702667
Ion Ratio Lower Upper
105 100
120 46.3 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: 53.402 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

Instrument :

MSVOA_D

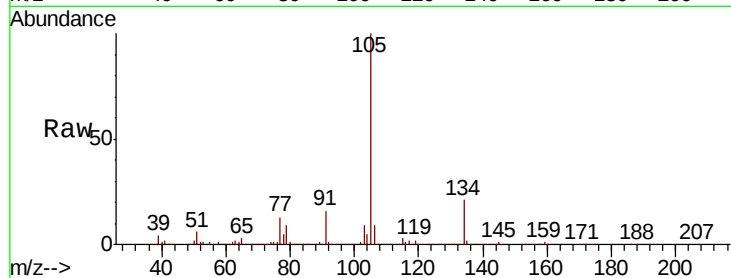
ClientSampled :

Tot Ion:105 Resp: 869119

Ion Ratio Lower Upper

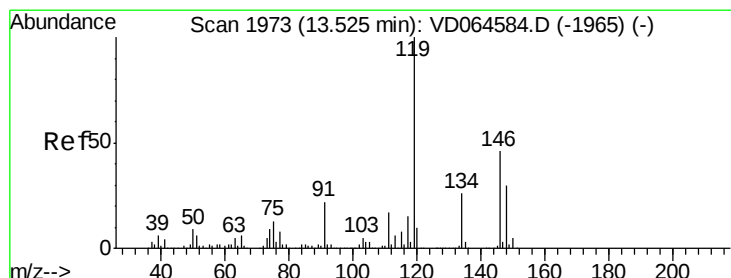
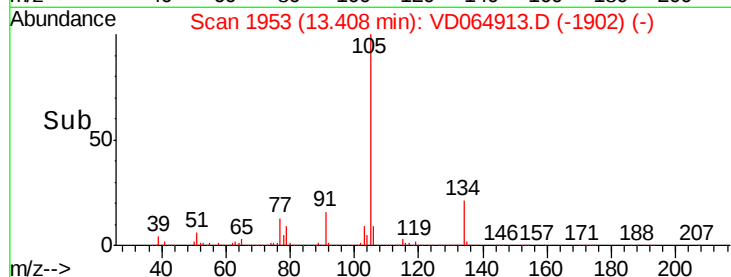
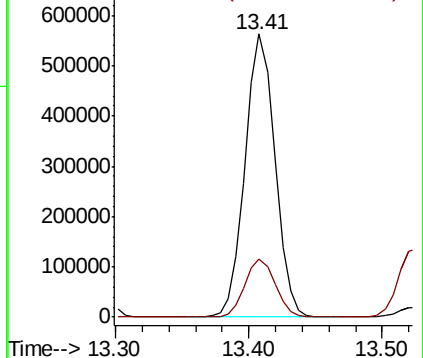
105 100

134 21.1 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.434 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064913.D

Acq: 21 Jan 2020 17:06

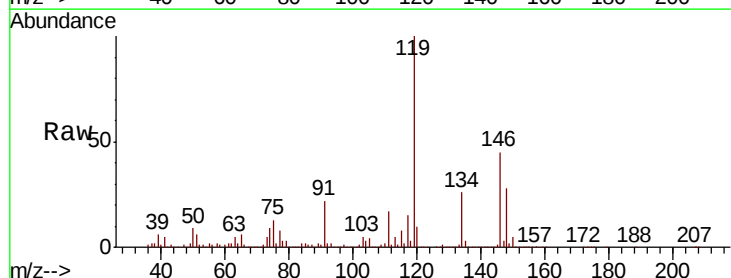
Tgt Ion:119 Resp: 815976

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

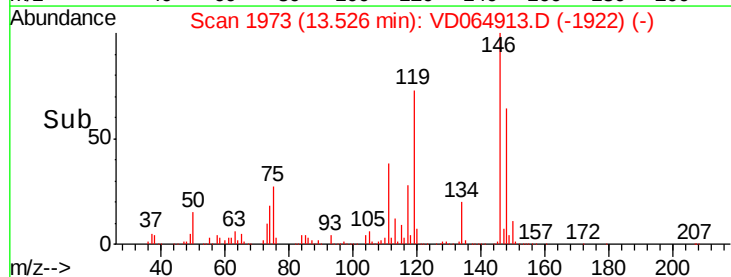
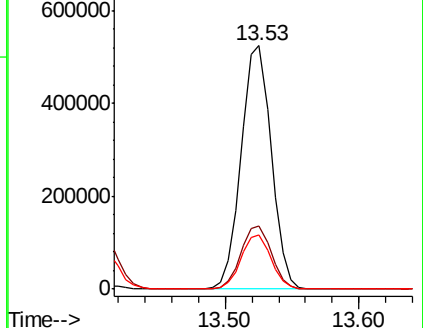
91 21.9 11.2 33.6

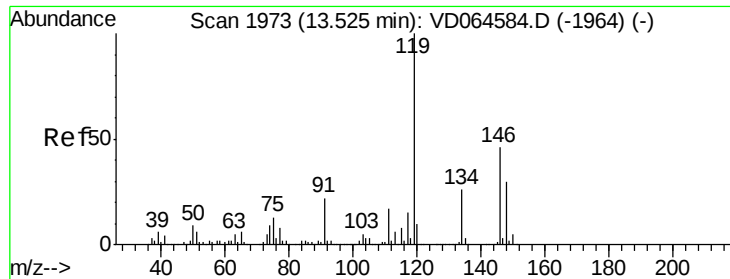


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

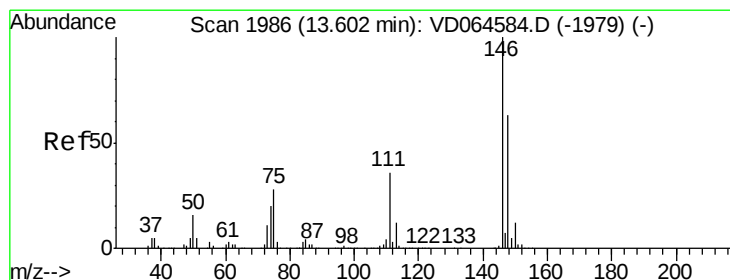
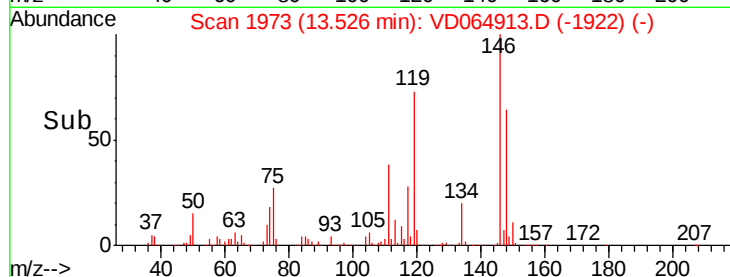
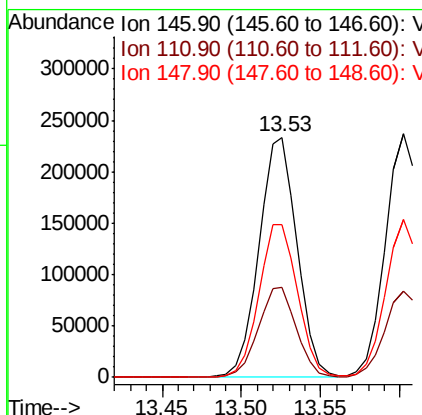
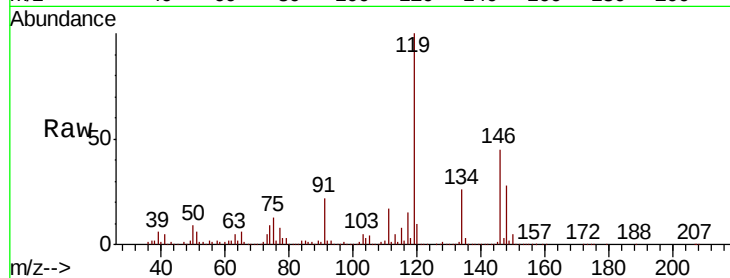




#87
 1,3-Dichlorobenzene
 Concen: 49.691 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

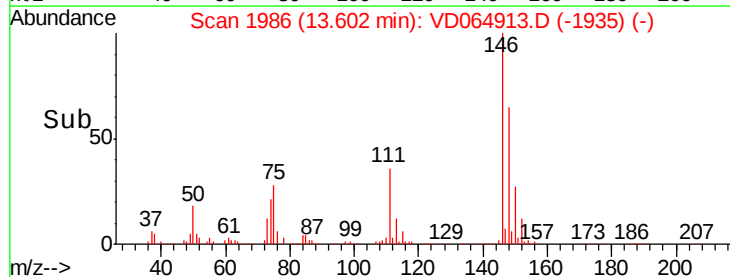
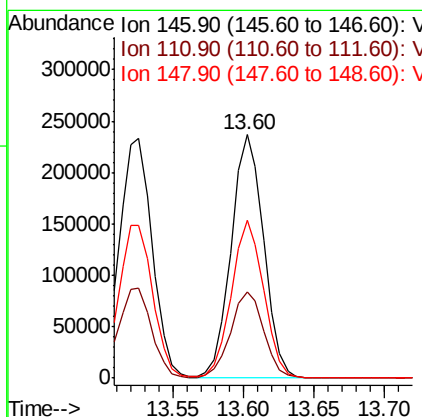
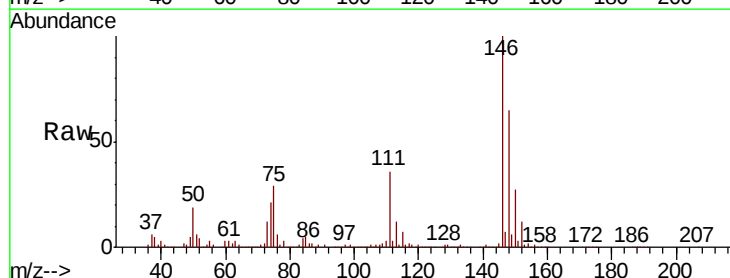
Instrument :
 MSVOA_D
 ClientSampleId :

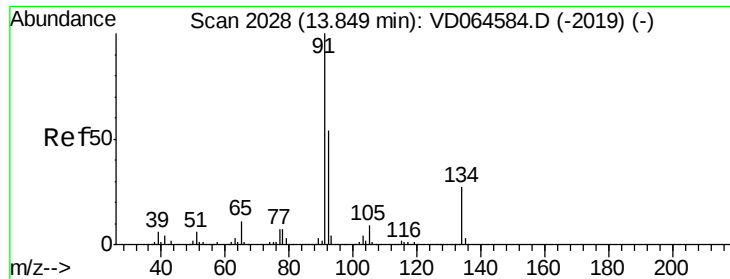
Tot Ion:146 Resp: 387419
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.4
 148 64.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 49.765 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion:146 Resp: 381159
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.1 54.1
 148 63.9 32.3 96.9

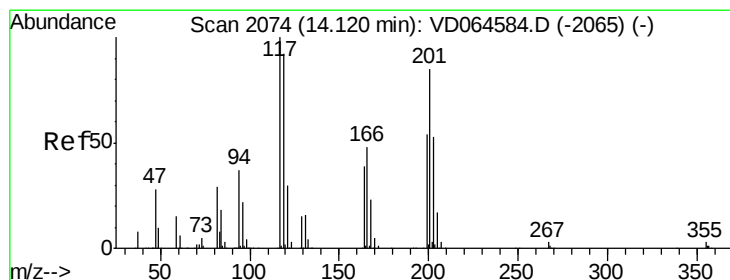
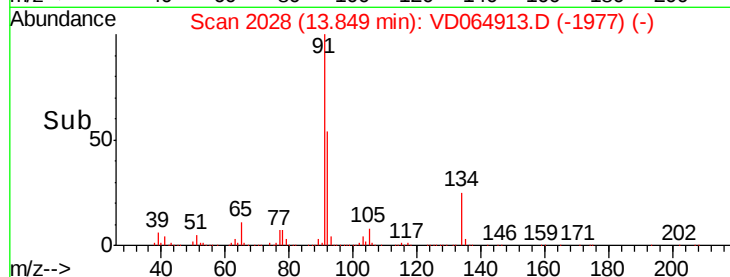
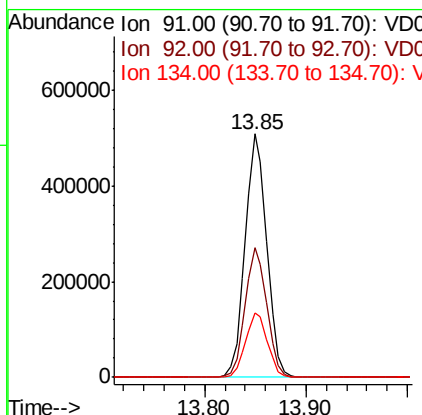
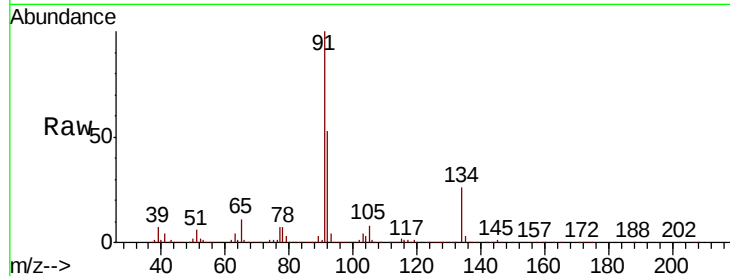




#89
n-Butylbenzene
Concen: 53.507 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

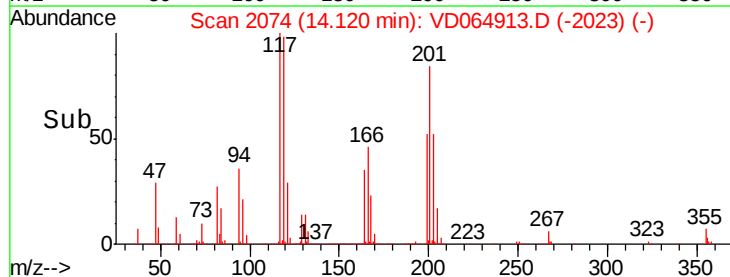
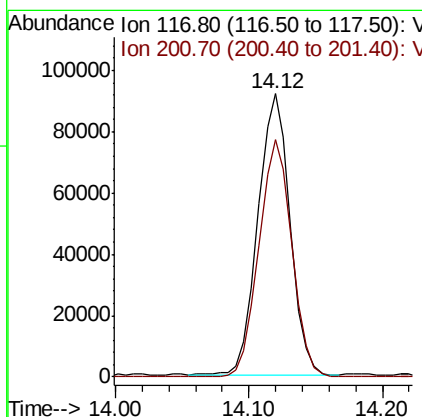
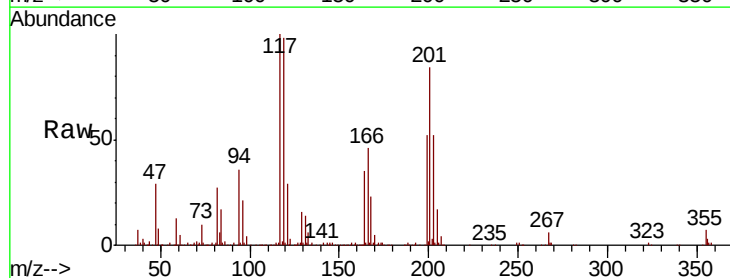
Instrument :
MSVOA_D
ClientSampleId :

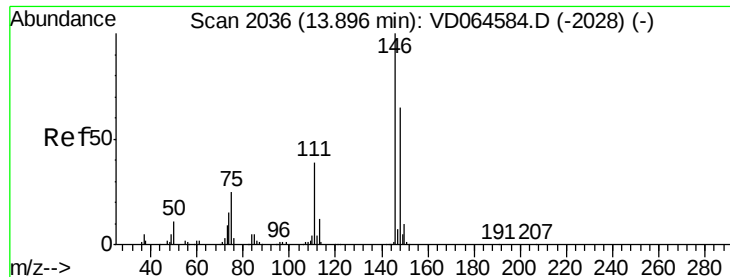
Tot Ion: 91 Resp: 749855
Ion Ratio Lower Upper
91 100
92 53.4 26.8 80.4
134 26.8 14.0 41.9



#90
Hexachloroethane
Concen: 51.311 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion: 117 Resp: 152530
Ion Ratio Lower Upper
117 100
201 86.1 44.0 131.8

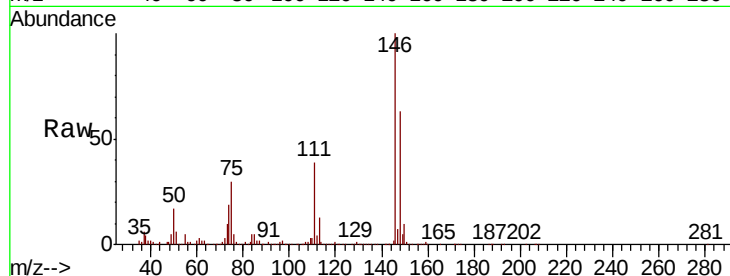




#91
 1,2-Dichlorobenzene
 Concen: 48.937 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	63.7	31.9	95.5

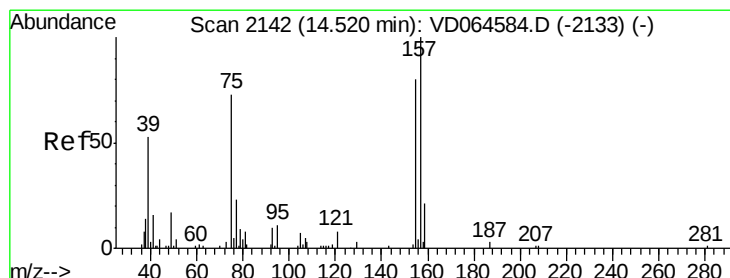
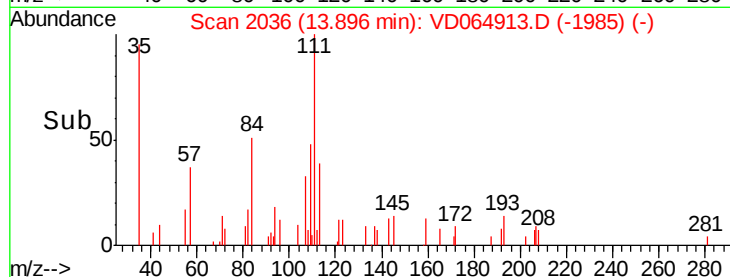
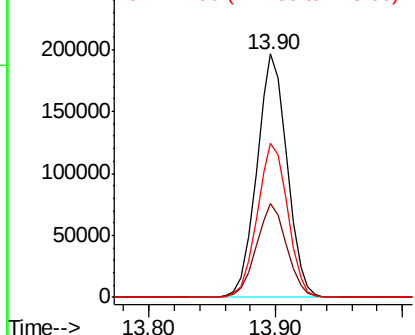


Abundance

Ion 145.90 (145.60 to 146.60): V

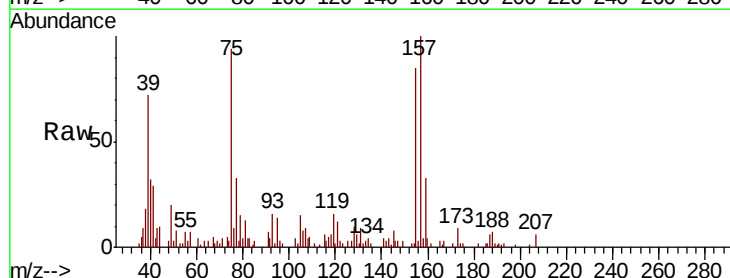
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.110 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	48.0	144.0
157	117.5	64.1	192.3

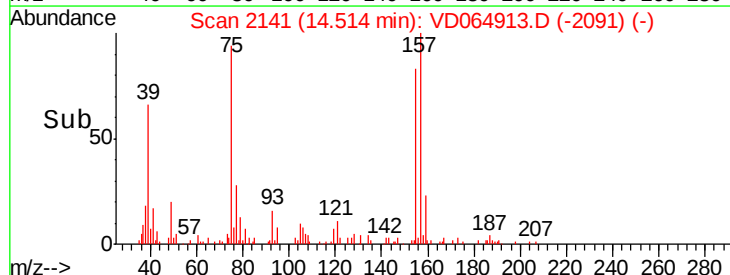
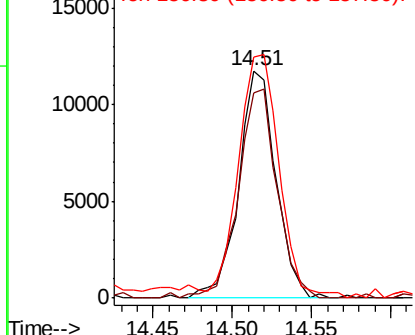


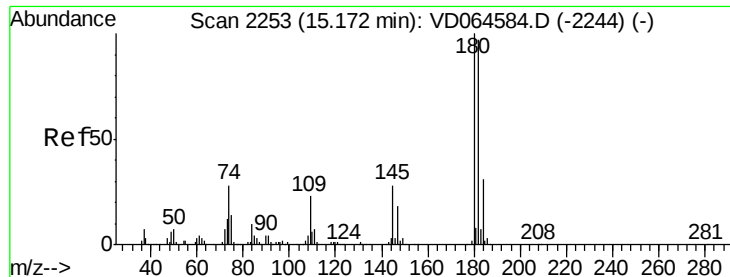
Abundance

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

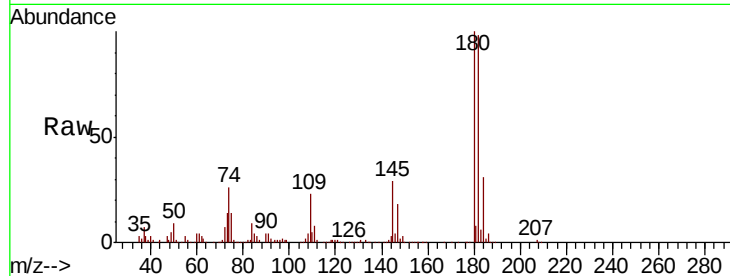




#93
 1,2,4-Trichlorobenzene
 Concen: 47.957 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.0	144.2
145	28.8	13.8	41.4

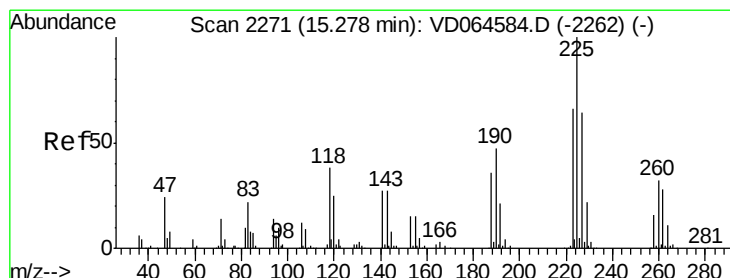
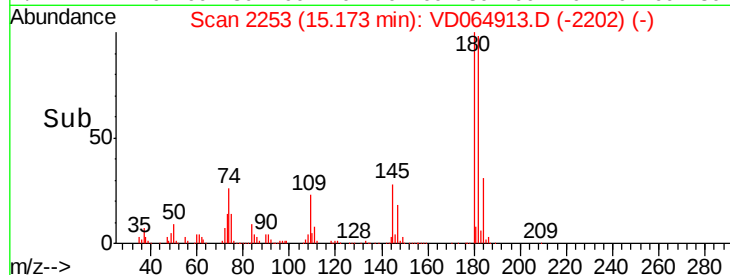
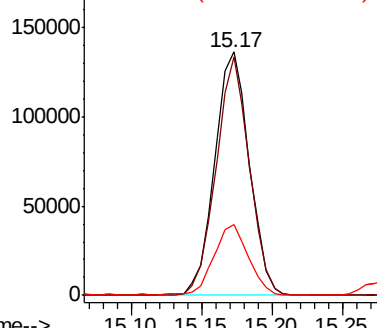


Abundance

Ion 179.80 (179.50 to 180.50): V

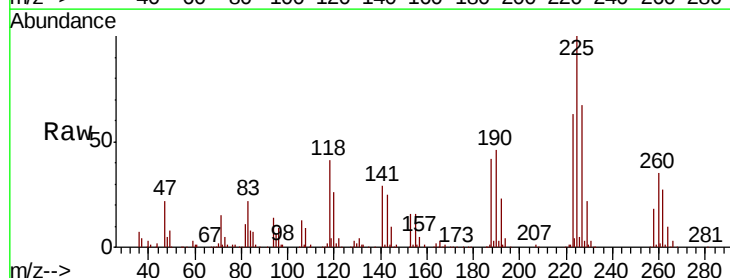
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.106 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064913.D
 Acq: 21 Jan 2020 17:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.1	93.2
227	64.7	30.9	92.7

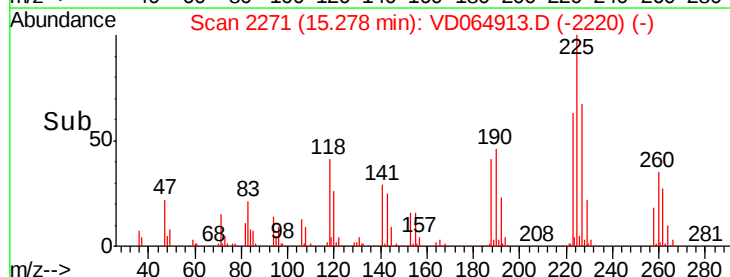
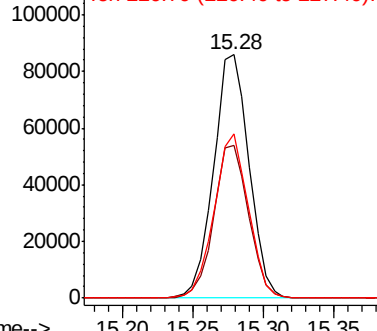


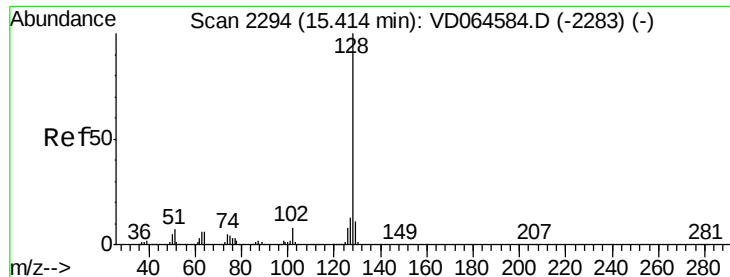
Abundance

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

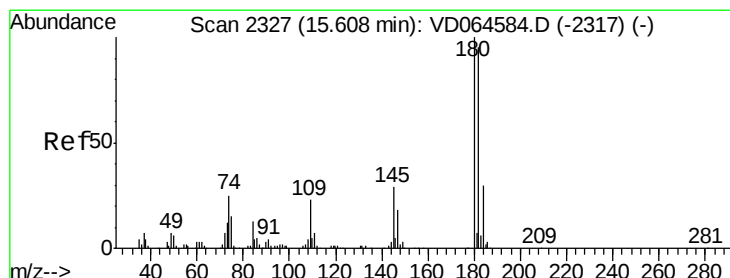
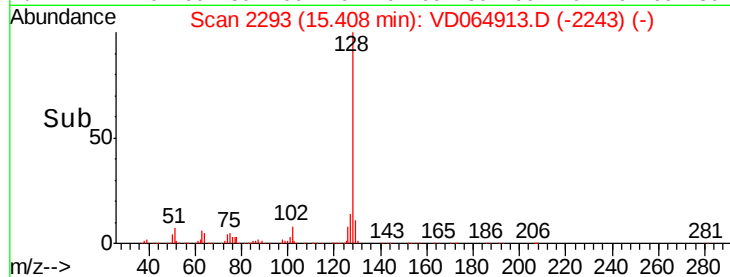
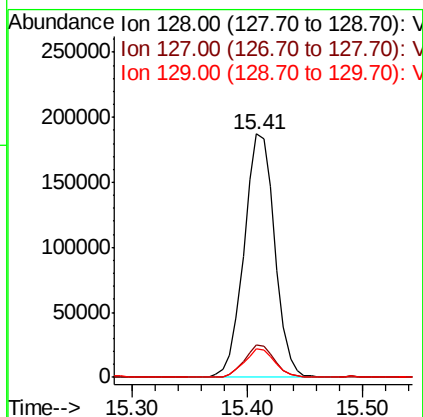
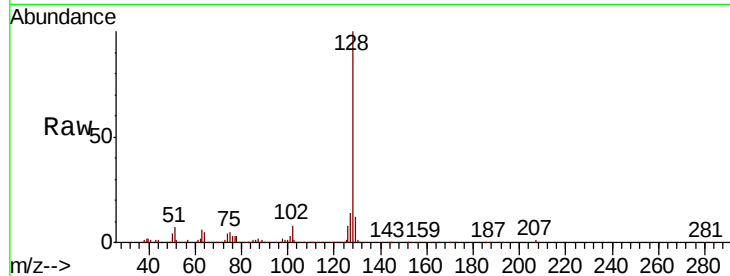




#95
Naphthalene
Concen: 44.351 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 343466
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 46.880 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064913.D
Acq: 21 Jan 2020 17:06

Tgt Ion:180 Resp: 195911
Ion Ratio Lower Upper
180 100
182 92.7 47.9 143.7
145 30.9 14.9 44.7

