

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064823.D
 Acq On : 09 Jan 2020 18:25
 Operator : VA/SY
 Sample : L1051-10MS
 Misc : 6.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 10 05:42:36 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	7.99	168	860187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1269183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1099119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	525420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	322238	42.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.96%	
35) Dibromofluoromethane	7.92	113	182477	23.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.86%	
50) Toluene-d8	10.34	98	1619583	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
62) 4-Bromofluorobenzene	12.64	95	464898	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	122035	18.255	ug/l	94
3) Chloromethane	2.21	50	191879	20.524	ug/l	96
4) Vinyl Chloride	2.35	62	225347	19.769	ug/l	96
5) Bromomethane	2.77	94	150441	18.151	ug/l	95
6) Chloroethane	2.92	64	156333	20.467	ug/l	96
7) Trichlorofluoromethane	3.27	101	388734	20.253	ug/l	99
8) Diethyl Ether	3.71	74	66919	17.557	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	162944	20.499	ug/l	99
10) Methyl Iodide	4.29	142	165844	19.423	ug/l	100
11) Tert butyl alcohol	5.24	59	29428	67.697	ug/l	96
12) 1,1-Dichloroethene	4.06	96	164848	21.783	ug/l	90
13) Acrolein	3.93	56	5332	8.801	ug/l	87
14) Allyl chloride	4.71	41	243139	20.606	ug/l	98
15) Acrylonitrile	5.43	53	118044	74.353	ug/l	98
16) Acetone	4.17	43	150221	89.934	ug/l	90
17) Carbon Disulfide	4.40	76	450442	18.408	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	293203	17.443	ug/l	93
20) Methylene Chloride	4.96	84	174589	19.528	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	178297	20.688	ug/l	93
22) Diisopropyl ether	6.37	45	462238	19.641	ug/l	96
23) Vinyl Acetate	6.37	43	245811	18.413	ug/l #	74
24) 1,1-Dichloroethane	6.26	63	313995	22.224	ug/l	99
25) 2-Butanone	7.22	43	162621	77.998	ug/l	99
26) 2,2-Dichloropropane	7.21	77	278840	21.227	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	192008	20.643	ug/l	98
28) Bromochloromethane	7.55	49	106540	19.399	ug/l	98
29) Tetrahydrofuran	7.57	42	93863	72.393	ug/l	97
30) Chloroform	7.71	83	318614	21.494	ug/l	98
31) Cyclohexane	7.99	56	285807	20.209	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	305034	21.909	ug/l	99
36) 1,1-Dichloropropene	8.11	75	253909	20.785	ug/l	100
37) Ethyl Acetate	7.22	43	162621	33.886	ug/l #	1
38) Carbon Tetrachloride	8.10	117	280974	21.571	ug/l	95
39) Methylcyclohexane	9.36	83	285480	19.295	ug/l	95

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Quant Time: Jan 10 05:42:36 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)
40) Benzene	8.35	78	705311	21.150	ug/l	95
41) Methacrylonitrile	7.53	41	36074	12.956	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	179727	18.650	ug/l	99
43) Isopropyl Acetate	8.46	43	65465	6.854	ug/l #	62
44) Trichloroethene	9.11	130	375549	38.335	ug/l	98
45) 1,2-Dichloropropane	9.38	63	167728	21.065	ug/l	97
46) Dibromomethane	9.48	93	76428	17.216	ug/l	99
47) Bromodichloromethane	9.66	83	234006	19.810	ug/l	99
48) Methyl methacrylate	9.46	41	8442	1.877	ug/l	92
49) 1,4-Dioxane	9.47	88	15719	307.088	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	355995	75.401	ug/l	100
52) Toluene	10.41	92	456116	20.847	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	201711	18.315	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	253847	19.548	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	95028	15.884	ug/l	96
56) Ethyl methacrylate	10.66	69	44619	5.972	ug/l #	73
57) 1,3-Dichloropropane	10.95	76	180582	17.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	220866	77.590	ug/l	100
59) 2-Hexanone	10.99	43	258387	80.633	ug/l	98
60) Dibromochloromethane	11.14	129	142287	17.199	ug/l	98
61) 1,2-Dibromoethane	11.25	107	96771	16.400	ug/l	99
64) Tetrachloroethene	10.88	164	312611	37.073	ug/l	98
65) Chlorobenzene	11.67	112	487473	21.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	176618	20.537	ug/l	99
67) Ethyl Benzene	11.75	91	885476	21.386	ug/l	98
68) m/p-Xylenes	11.86	106	684962	42.860	ug/l	98
69) o-Xylene	12.18	106	303104	20.997	ug/l	98
70) Stvrene	12.20	104	530340	20.931	ug/l	99
71) Bromoform	12.37	173	80168	16.347	ug/l #	98
73) Isopropylbenzene	12.48	105	834592	22.228	ug/l	99
74) N-amyl acetate	12.30	43	12925	1.610	ug/l #	93
76) 1,2,3-Trichloropropane	12.78	75	137416	33.120	ug/l #	100
77) Bromobenzene	12.77	156	187833	20.359	ug/l	97
78) n-propylbenzene	12.83	91	974816	22.254	ug/l	99
79) 2-Chlorotoluene	12.91	91	527273	21.912	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	683691	22.166	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	31052	15.653	ug/l	96
82) 4-Chlorotoluene	13.01	91	559680	21.856	ug/l	100
83) tert-Butylbenzene	13.23	119	585309	21.856	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	668308	21.756	ug/l	99
85) sec-Butylbenzene	13.41	105	813618	22.161	ug/l	98
86) p-Isopropyltoluene	13.52	119	763920	21.761	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	374602	21.299	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	365913	21.178	ug/l	98
89) n-Butylbenzene	13.85	91	683048	21.606	ug/l	99
90) Hexachloroethane	14.12	117	141101	21.041	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	302046	20.140	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13474	14.091	ug/l	94
93) 1,2,4-Trichlorobenzene	15.17	180	208763	18.905	ug/l	99
94) Hexachlorobutadiene	15.27	225	135186	19.454	ug/l	98

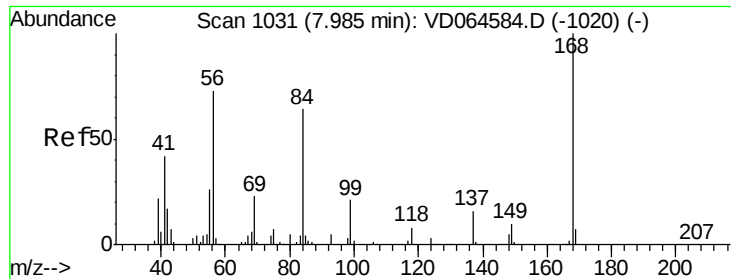
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.41	128	289830	16.591	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	170261	18.061	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

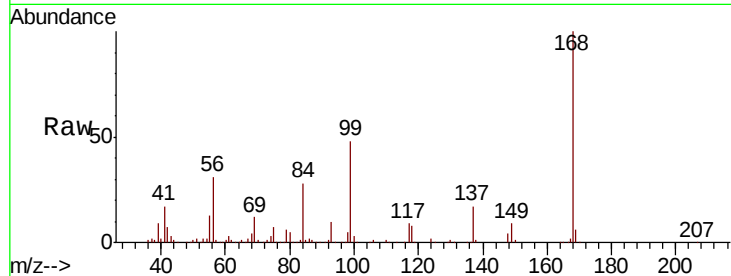
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 860187

Ion Ratio Lower Upper

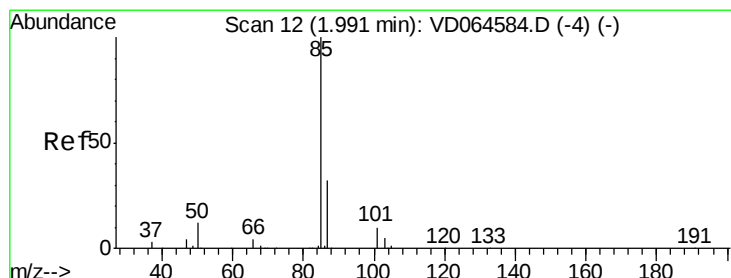
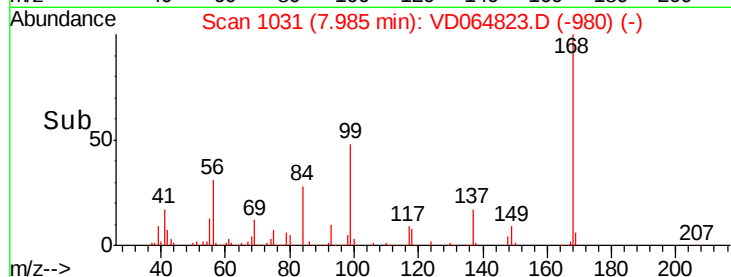
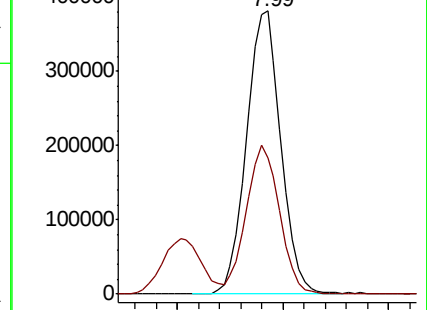
168 100

99 48.1 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.255 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064823.D

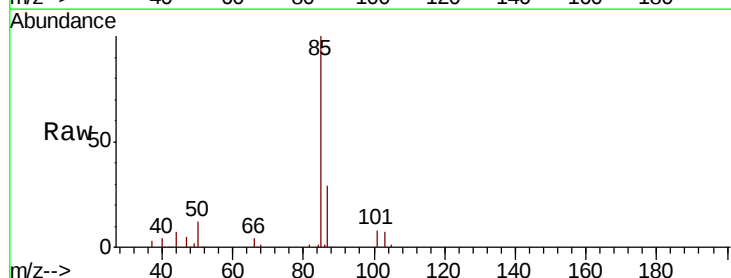
Acq: 09 Jan 2020 18:25

Tgt Ion: 85 Resp: 122035

Ion Ratio Lower Upper

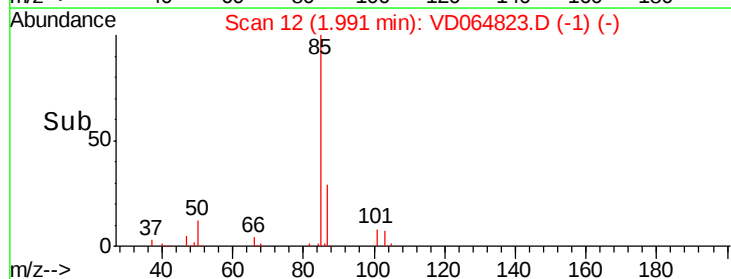
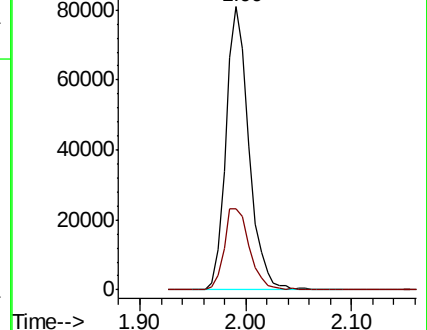
85 100

87 28.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.524 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

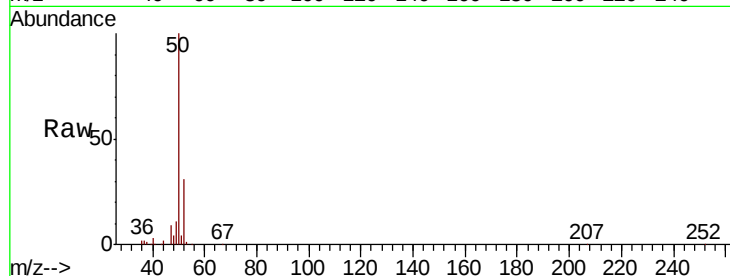
ClientSampleId :

Tot Ion: 50 Resp: 191879

Ion Ratio Lower Upper

50 100

52 30.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

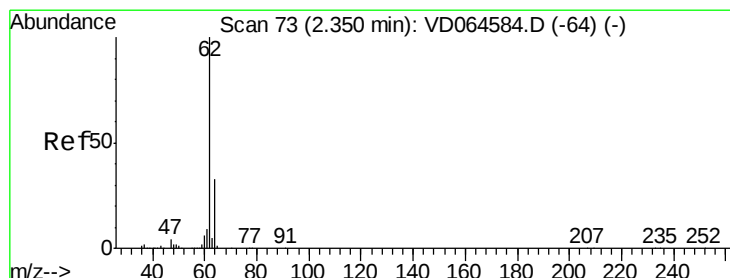
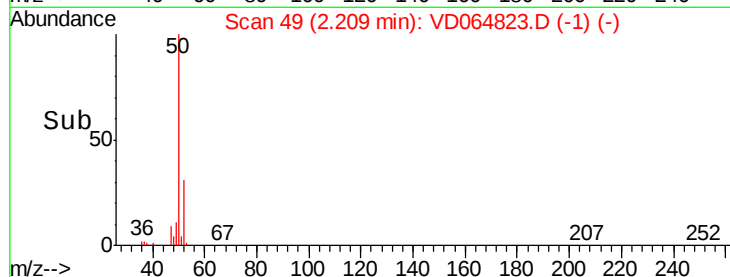
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.769 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064823.D

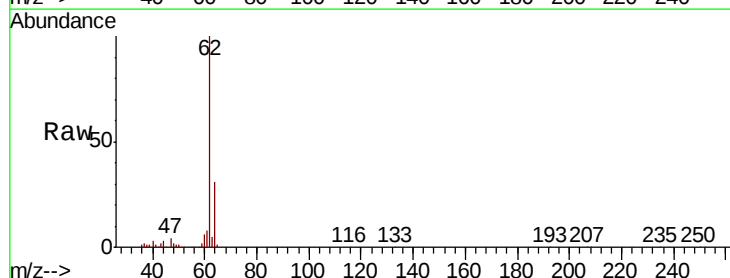
Acq: 09 Jan 2020 18:25

Tgt Ion: 62 Resp: 225347

Ion Ratio Lower Upper

62 100

64 30.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

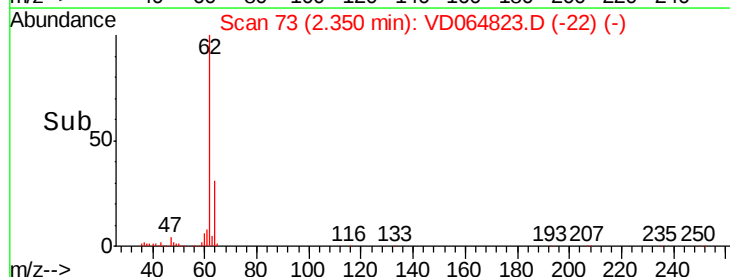
150000

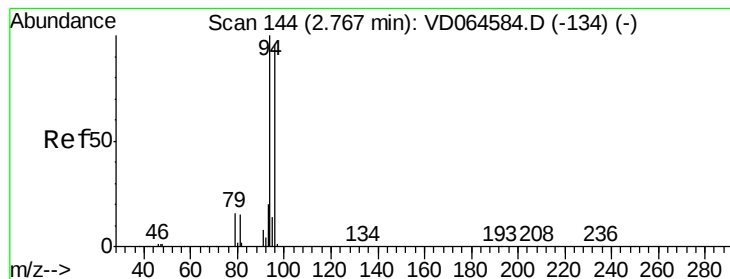
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.151 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

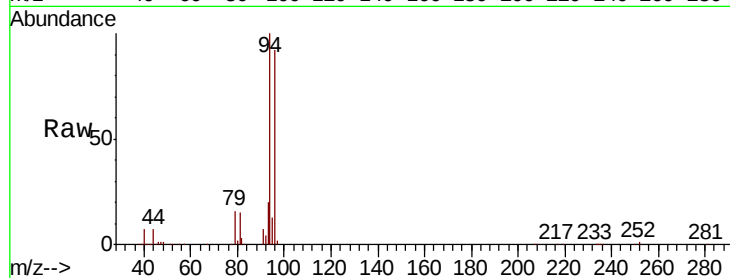
ClientSampleId :

Tot Ion: 94 Resp: 150441

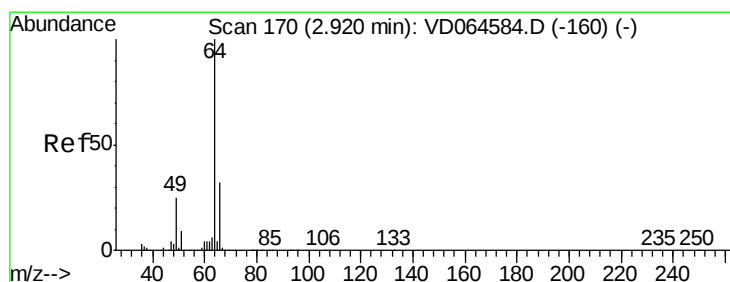
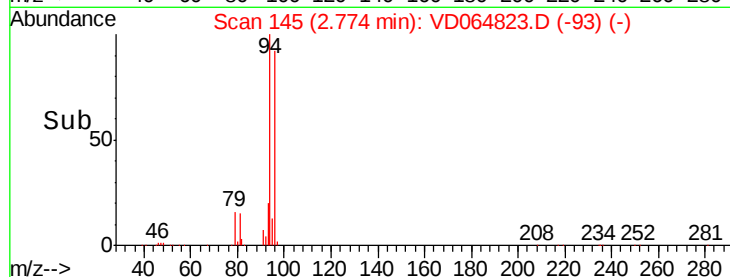
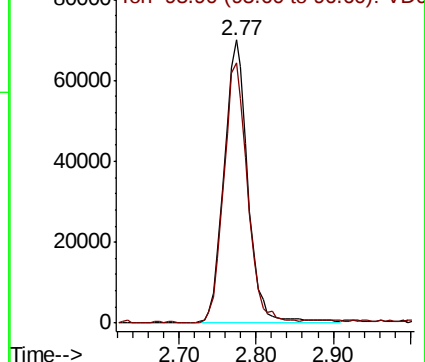
Ion Ratio Lower Upper

94 100

96 91.9 77.2 115.8



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



#6

Chloroethane

Concen: 20.467 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064823.D

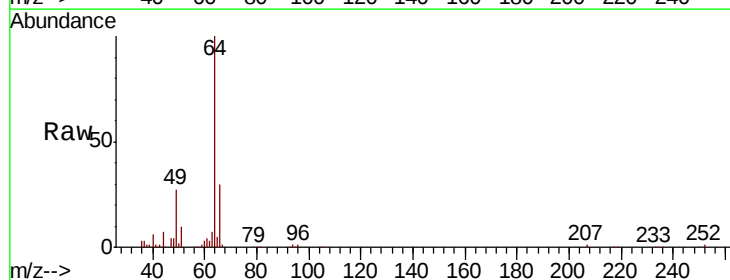
Acq: 09 Jan 2020 18:25

Tgt Ion: 64 Resp: 156333

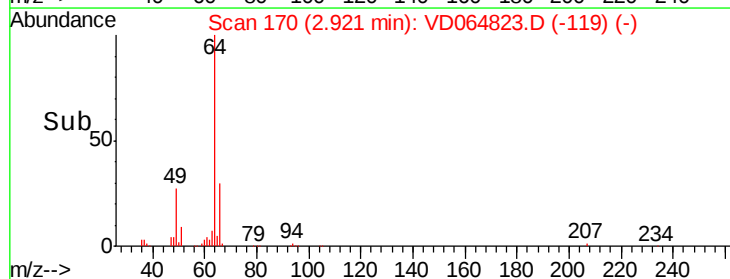
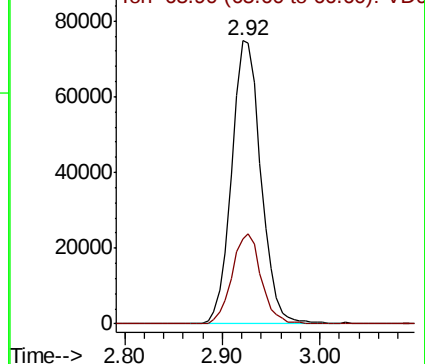
Ion Ratio Lower Upper

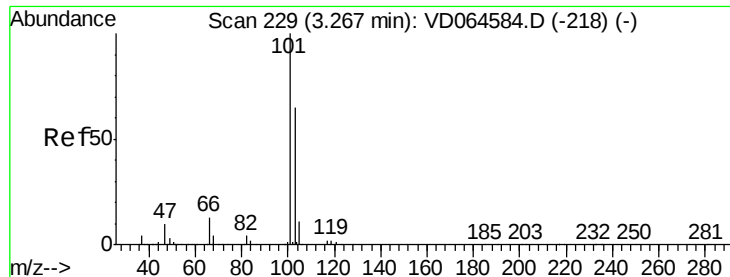
64 100

66 30.3 25.9 38.9



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



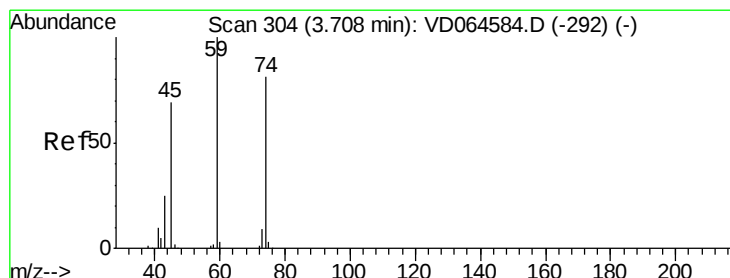
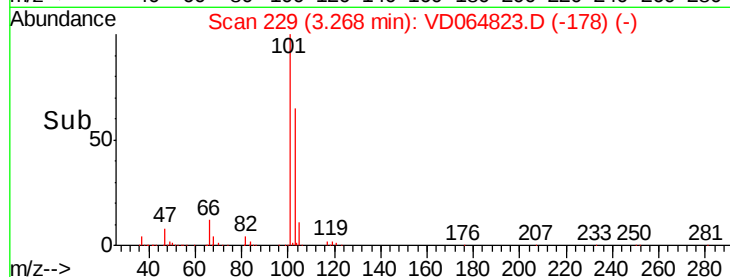
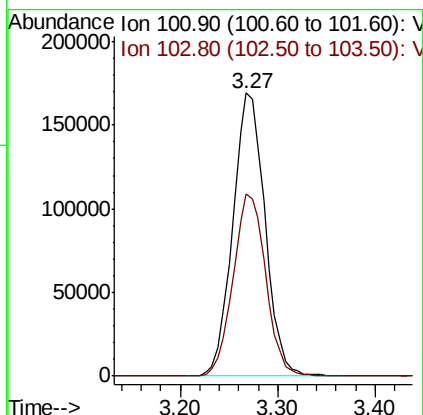
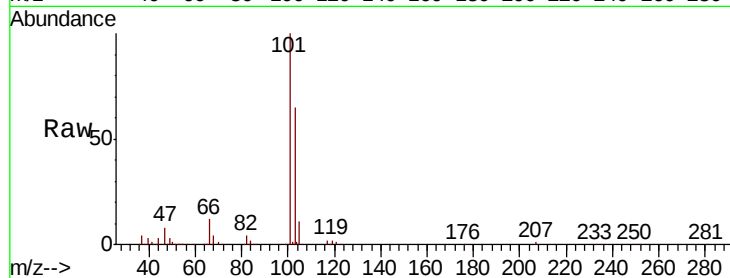


#7

Trichlorofluoromethane
 Concen: 20.253 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :

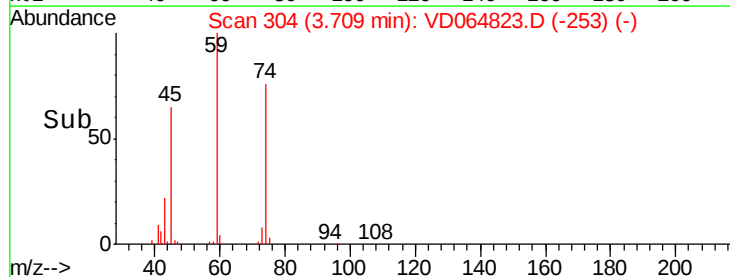
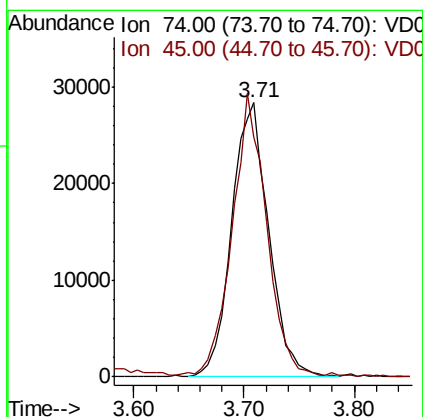
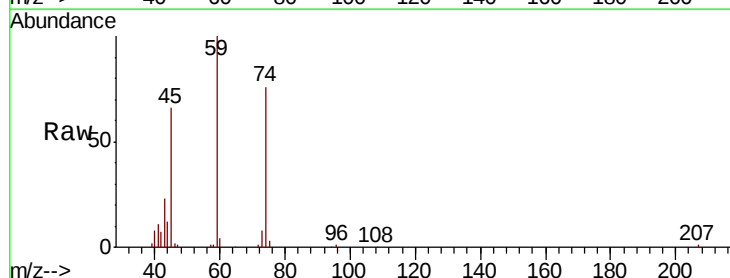
Tot Ion:101 Resp: 388734
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.4



#8

Diethyl Ether
 Concen: 17.557 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion: 74 Resp: 66919
 Ion Ratio Lower Upper
 74 100
 45 94.1 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.499 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampled :

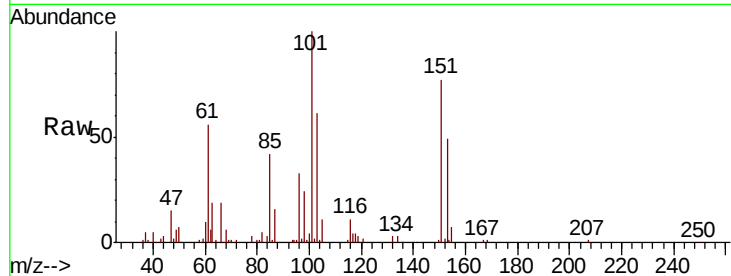
Tot Ion:101 Resp: 162944

Ion Ratio Lower Upper

101 100

85 45.7 35.2 52.8

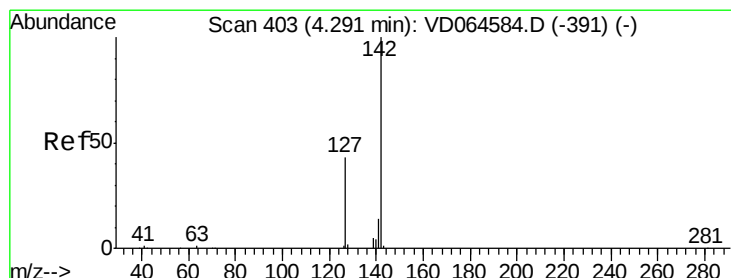
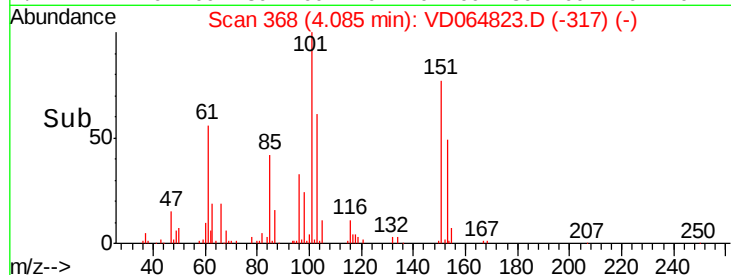
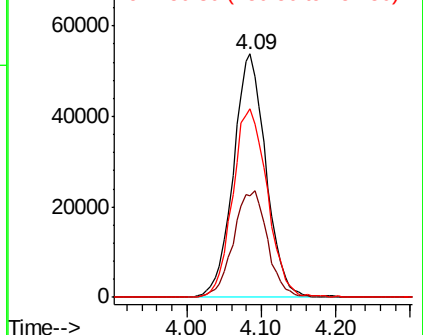
151 82.5 66.2 99.4



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: 19.423 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

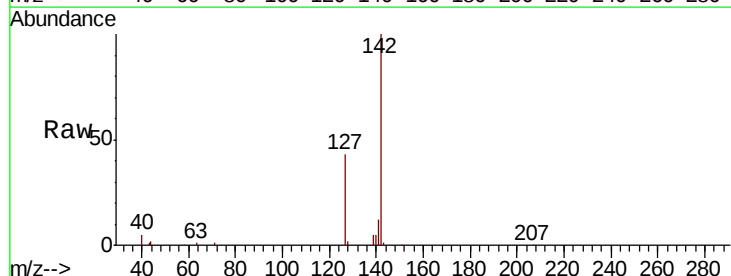
Tgt Ion:142 Resp: 165844

Ion Ratio Lower Upper

142 100

127 45.2 36.2 54.4

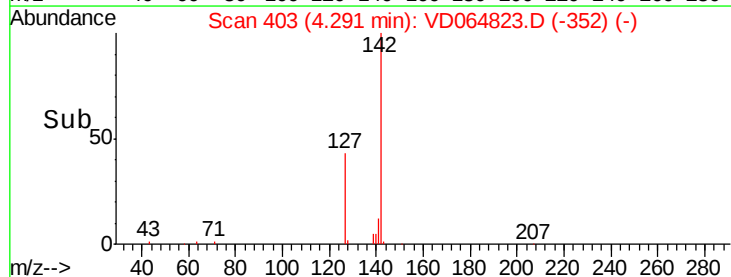
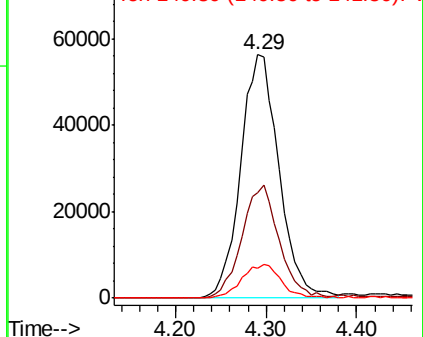
141 14.3 11.8 17.8

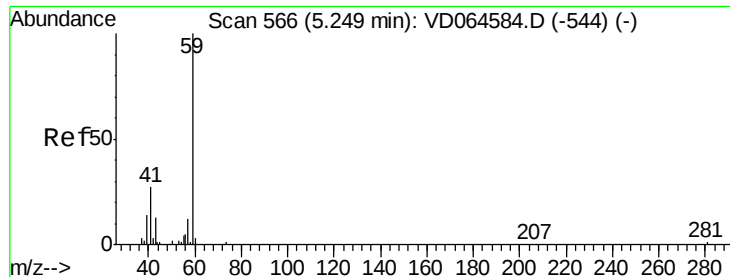


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



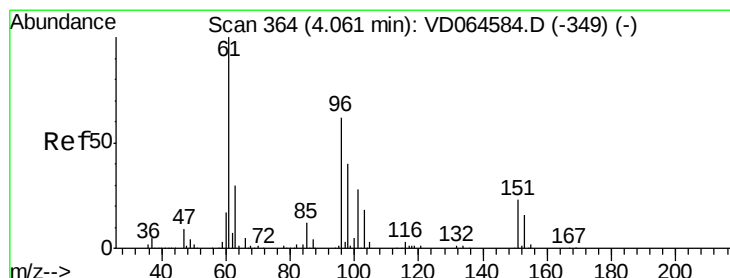
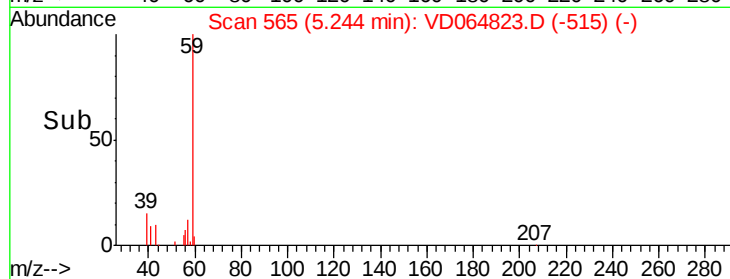
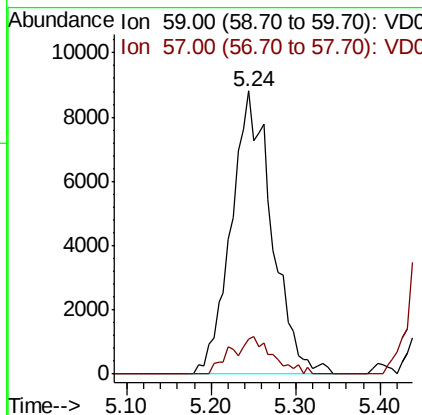
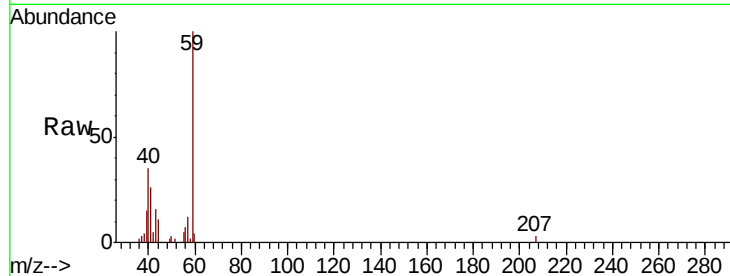


#11

Tert butyl alcohol
 Concen: 67.697 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :

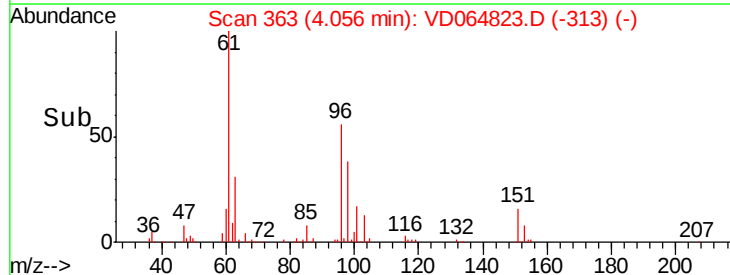
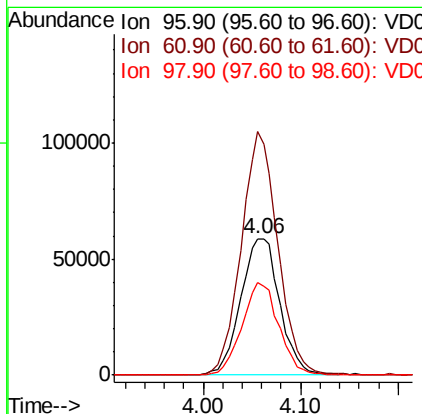
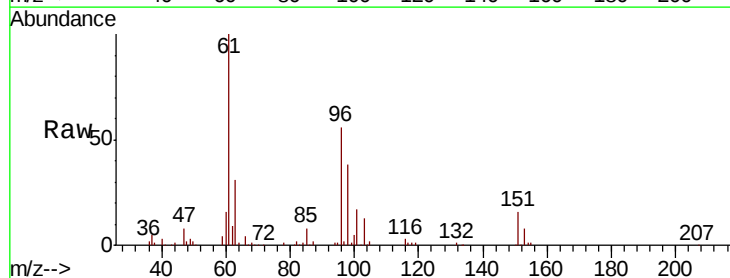
Tot Ion: 59 Resp: 29428
 Ion Ratio Lower Upper
 59 100
 57 13.3 9.3 13.9

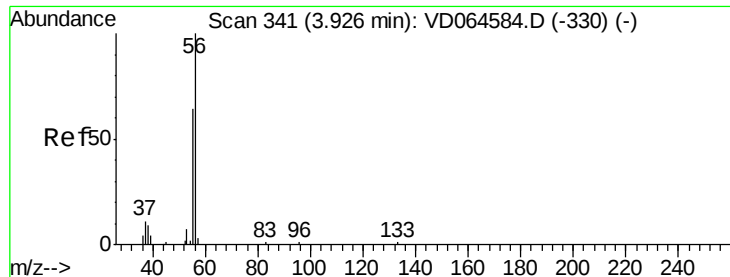


#12

1,1-Dichloroethene
 Concen: 21.783 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion: 96 Resp: 164848
 Ion Ratio Lower Upper
 96 100
 61 178.1 129.4 194.0
 98 67.6 51.4 77.0





#13

Acrolein

Concen: 8.801 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

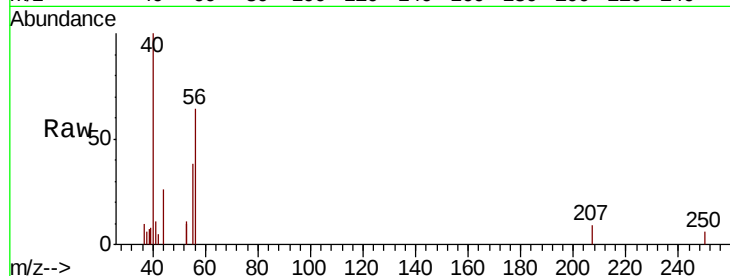
ClientSampleId :

Tot Ion: 56 Resp: 5332

Ion Ratio Lower Upper

56 100

55 81.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

2000

1500

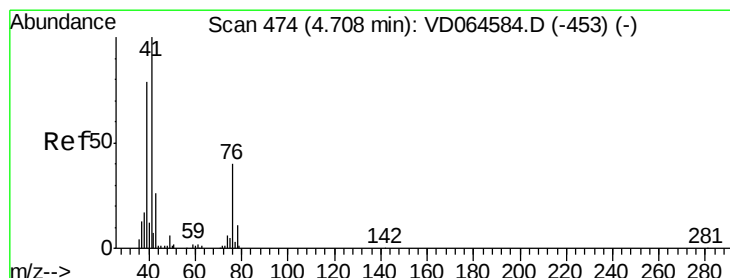
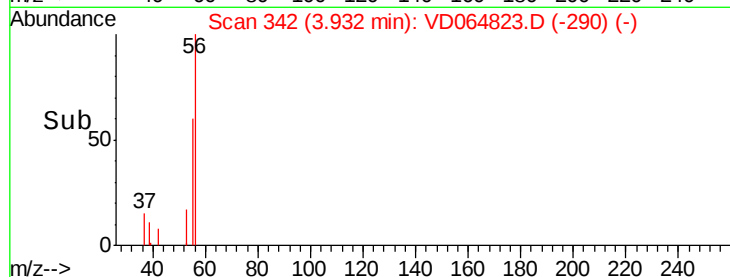
1000

500

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 20.606 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

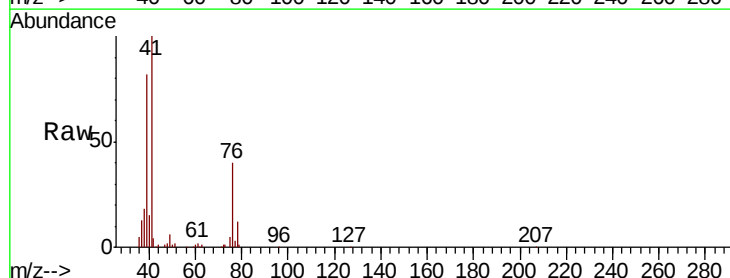
Tgt Ion: 41 Resp: 243139

Ion Ratio Lower Upper

41 100

39 80.1 62.3 93.5

76 38.3 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

100000

80000

60000

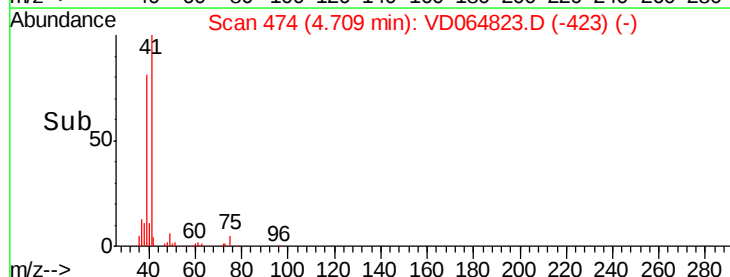
40000

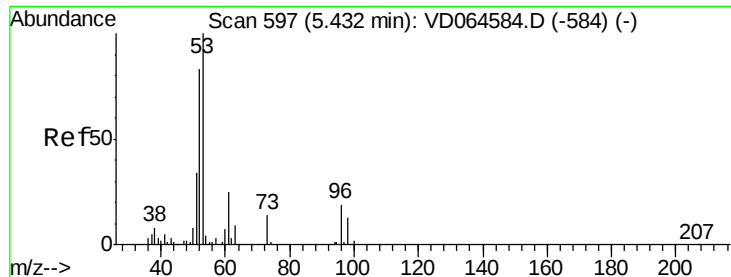
20000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 74.353 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

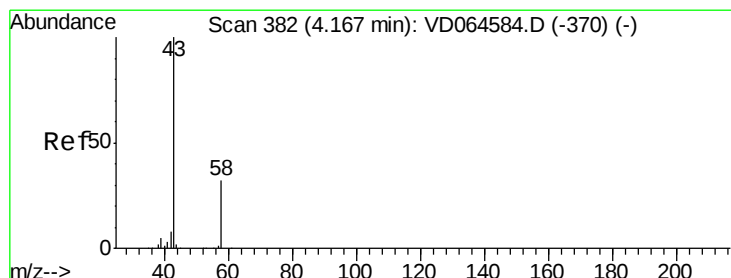
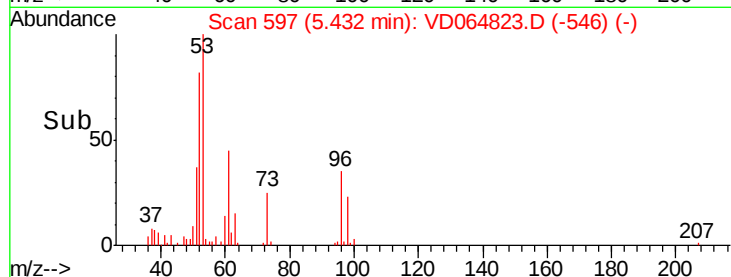
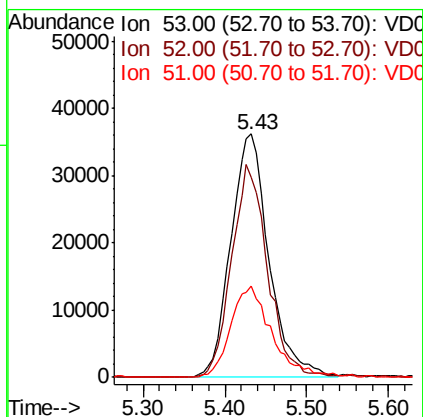
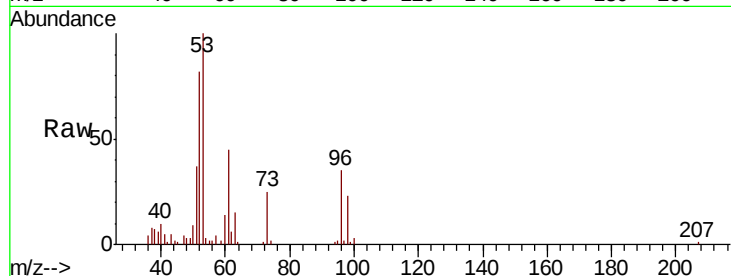
Tot Ion: 53 Resp: 118044

Ion Ratio Lower Upper

53 100

52 82.0 66.2 99.2

51 39.8 30.1 45.1



#16

Acetone

Concen: 89.934 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064823.D

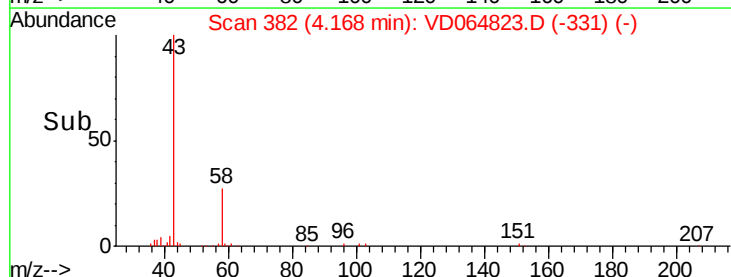
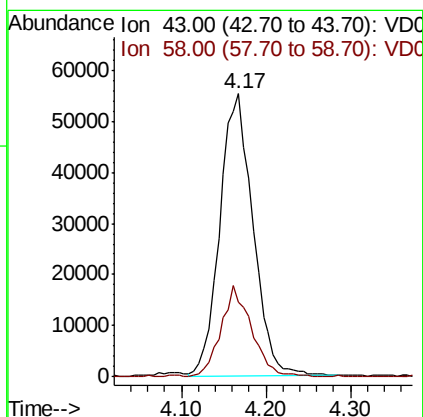
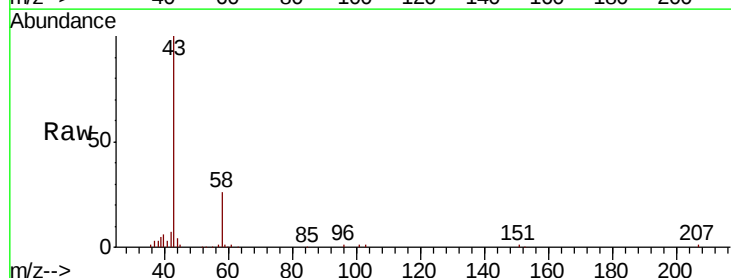
Acq: 09 Jan 2020 18:25

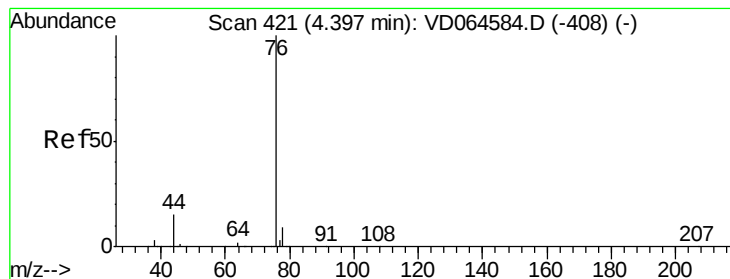
Tgt Ion: 43 Resp: 150221

Ion Ratio Lower Upper

43 100

58 26.5 25.8 38.6





#17

Carbon Disulfide

Concen: 18.408 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

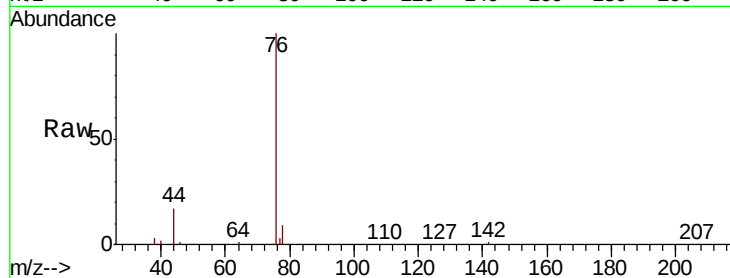
ClientSampleId :

Tot Ion: 76 Resp: 450442

Ion Ratio Lower Upper

76 100

78 8.8 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

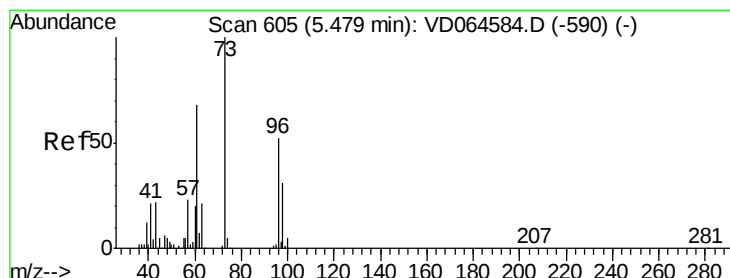
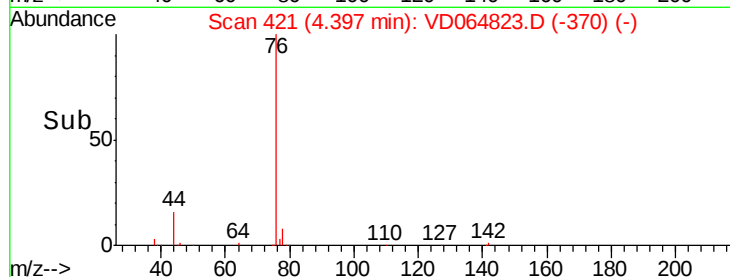
150000

100000

50000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 17.443 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD064823.D

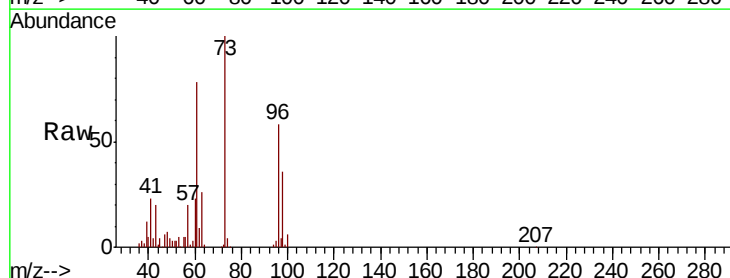
Acq: 09 Jan 2020 18:25

Tgt Ion: 73 Resp: 293203

Ion Ratio Lower Upper

73 100

57 19.8 18.6 27.8



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.48

100000

80000

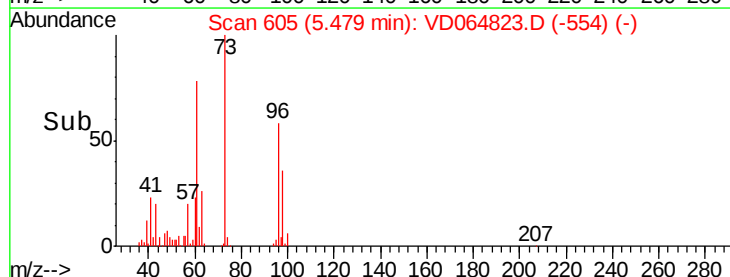
60000

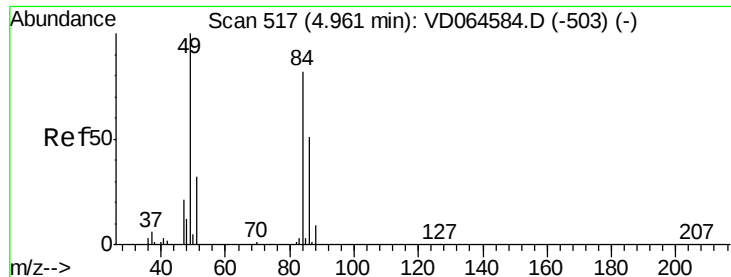
40000

20000

0

Time-->





#20

Methylene Chloride

Concen: 19.528 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 174589

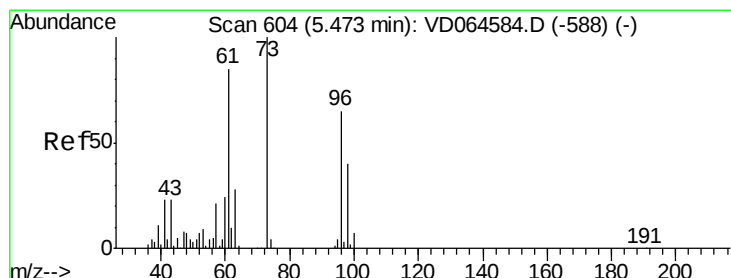
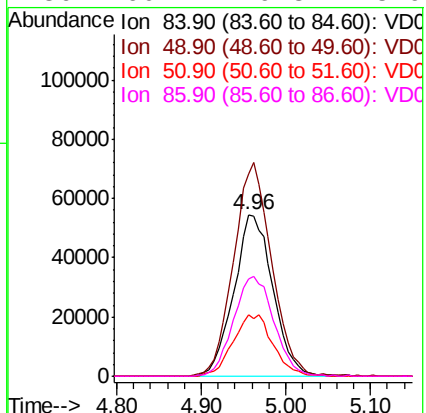
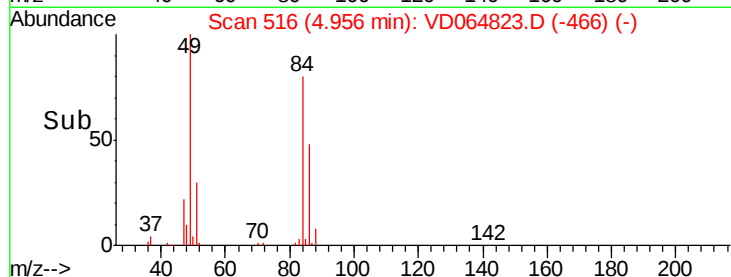
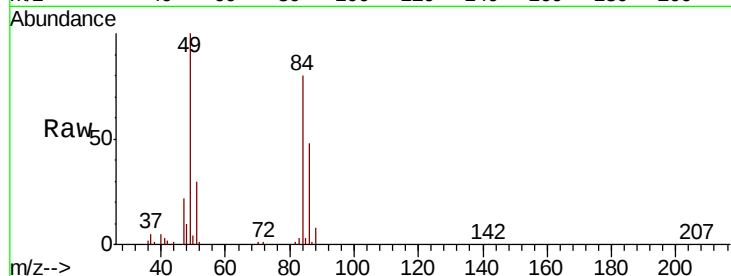
Ion	Ratio	Lower	Upper
84	100		
49	125.2	97.2	145.8
51	37.9	31.4	47.0
86	60.4	49.3	73.9

84 100

49 125.2 97.2 145.8

51 37.9 31.4 47.0

86 60.4 49.3 73.9



#21

trans-1,2-Dichloroethene

Concen: 20.688 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

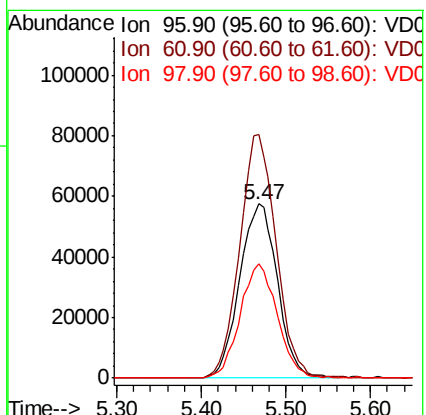
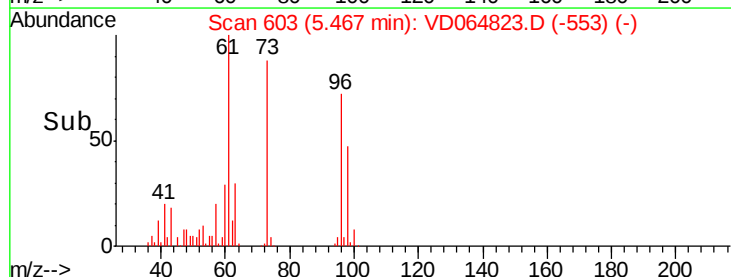
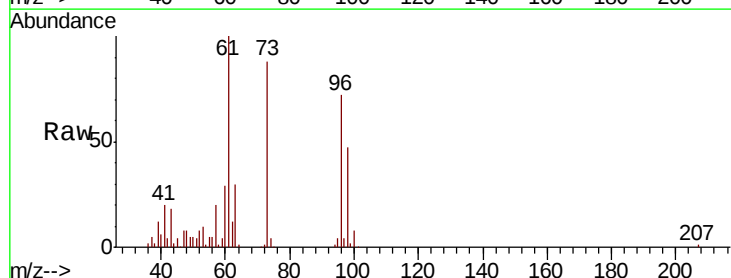
Tgt Ion: 96 Resp: 178297

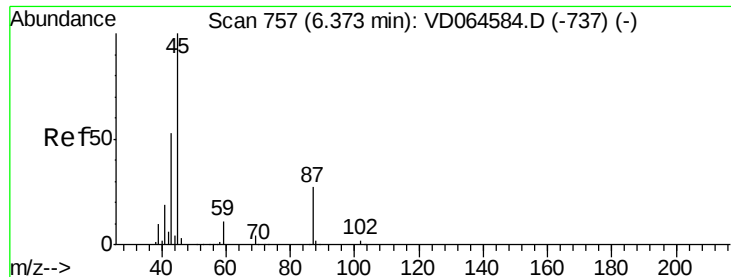
Ion	Ratio	Lower	Upper
96	100		
61	139.6	104.7	157.1
98	65.4	49.4	74.2

96 100

61 139.6 104.7 157.1

98 65.4 49.4 74.2





#22

Diisopropyl ether

Concen: 19.641 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 45 Resp: 462238

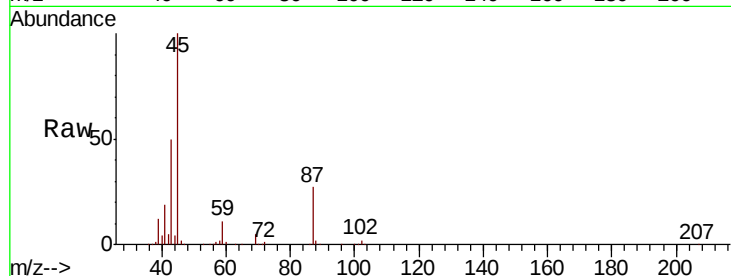
Ion Ratio Lower Upper

45 100

43 50.4 43.2 64.8

87 26.6 21.9 32.9

59 10.6 9.0 13.4

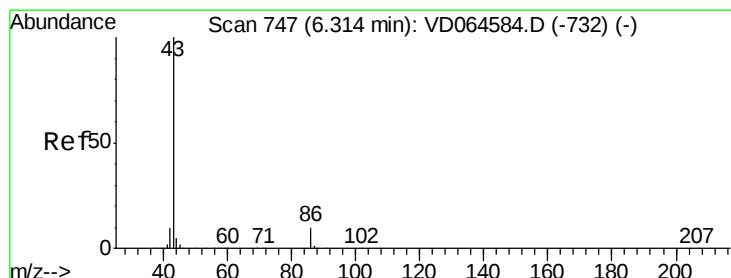
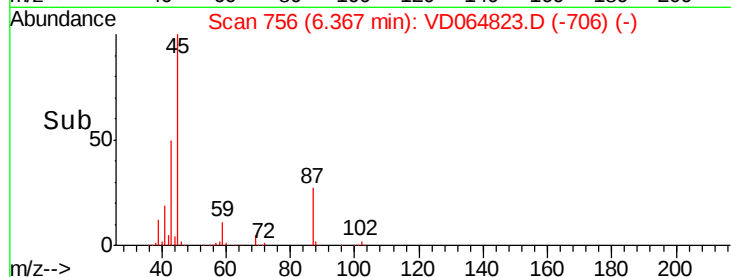
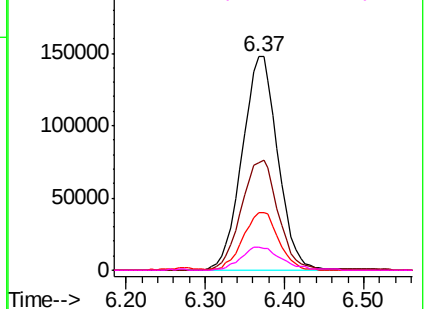


Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 18.413 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.06 min

Lab File: VD064823.D

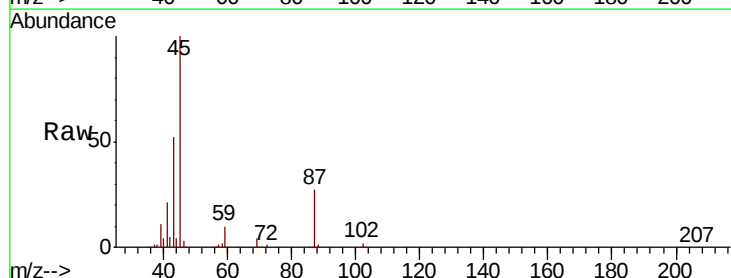
Acq: 09 Jan 2020 18:25

Tgt Ion: 43 Resp: 245811

Ion Ratio Lower Upper

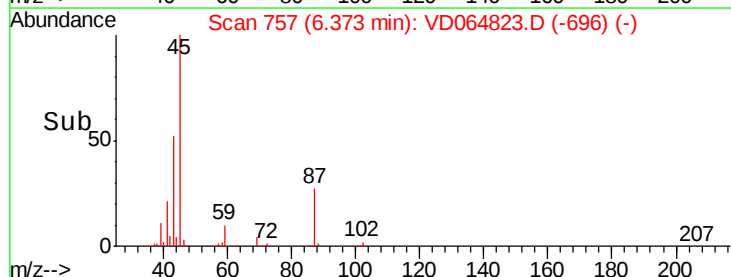
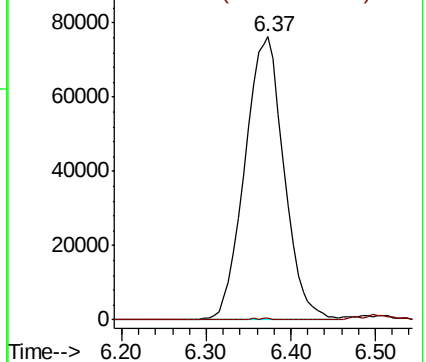
43 100

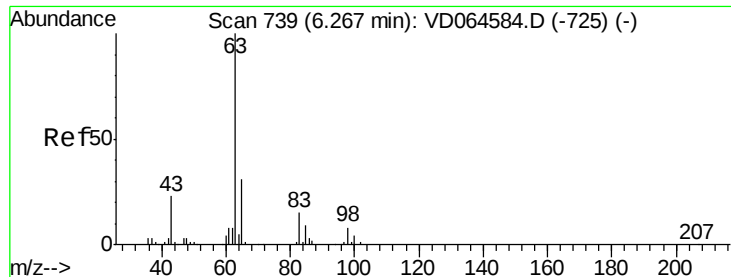
86 0.6 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 22.224 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampled :

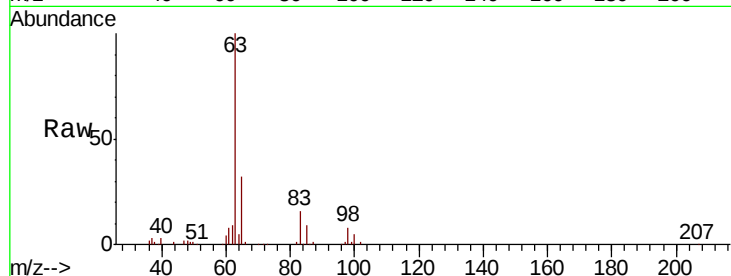
Tot Ion: 63 Resp: 313995

Ion Ratio Lower Upper

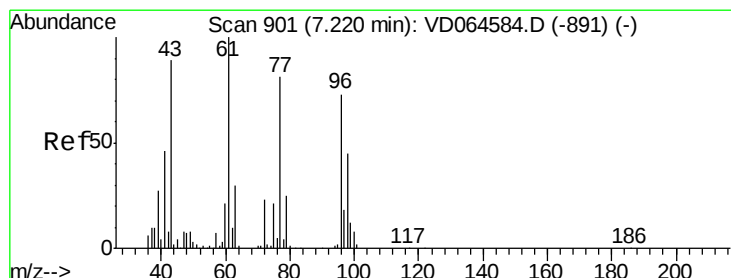
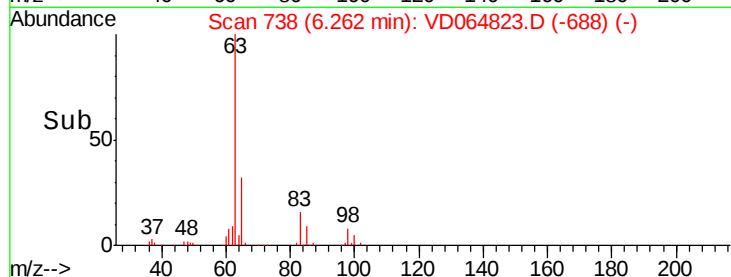
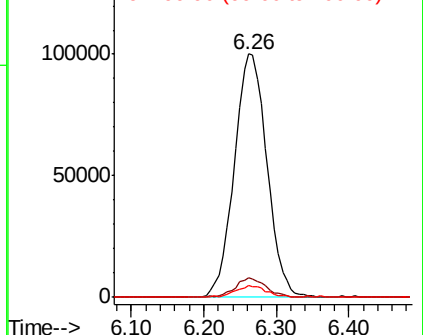
63 100

98 8.0 4.1 12.3

100 5.1 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: 77.998 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064823.D

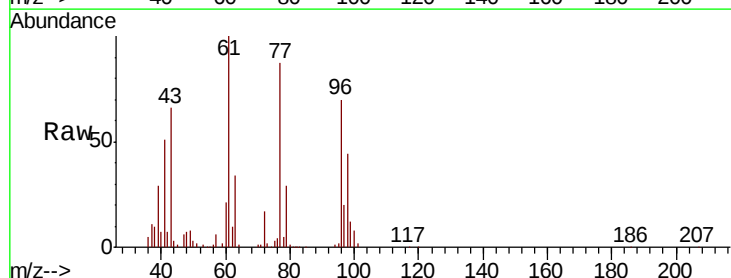
Acq: 09 Jan 2020 18:25

Tgt Ion: 43 Resp: 162621

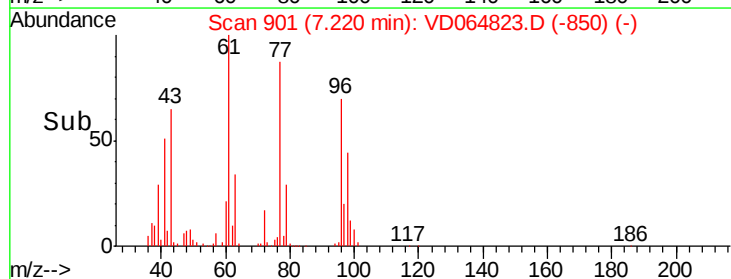
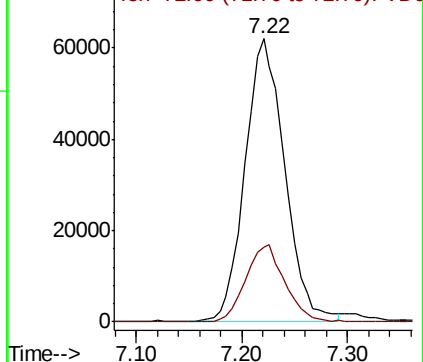
Ion Ratio Lower Upper

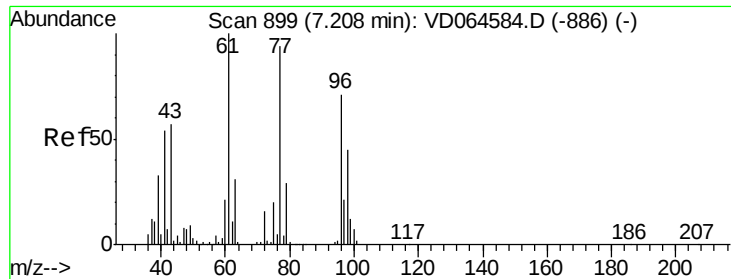
43 100

72 26.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

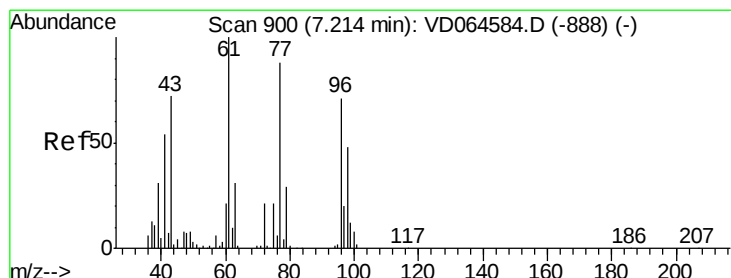
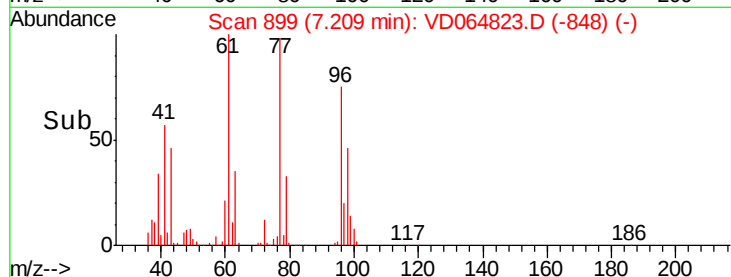
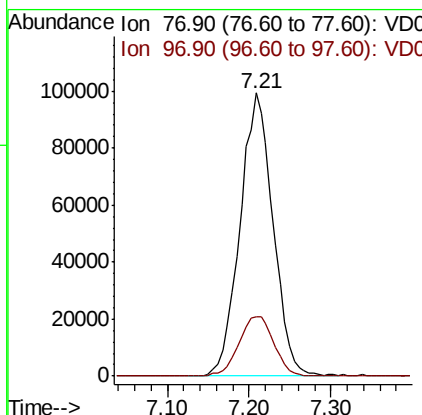
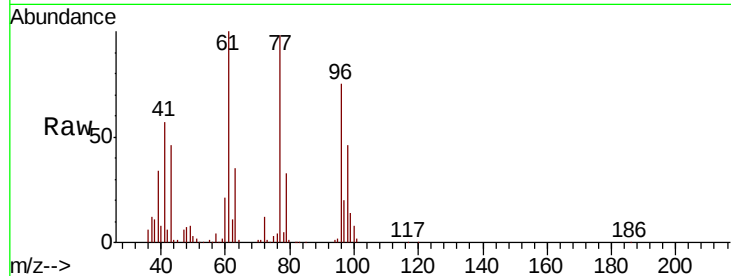




#26
 2,2-Dichloropropane
 Concen: 21.227 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

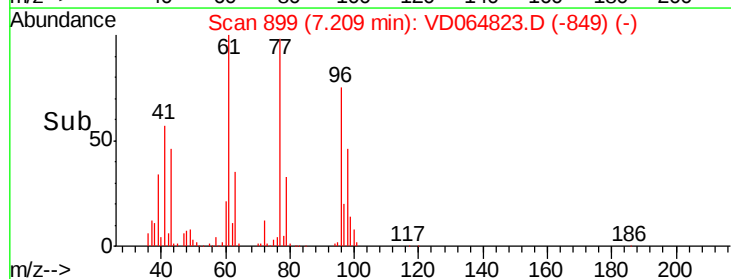
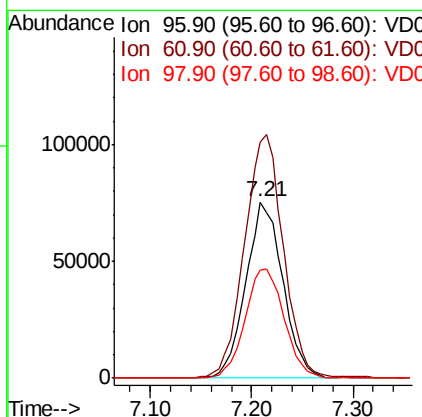
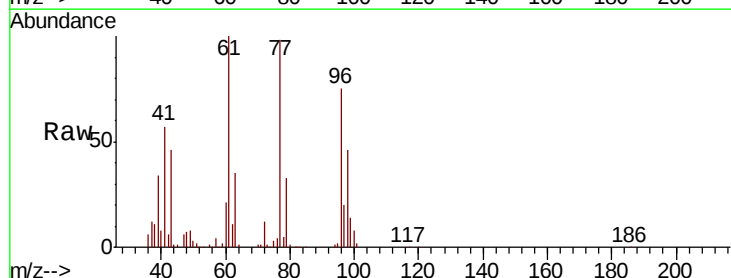
Instrument :
 MSVOA_D
 ClientSampled :

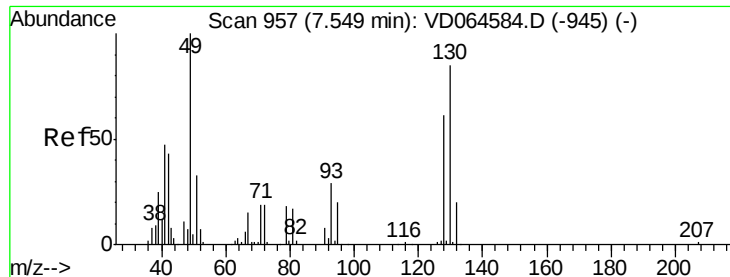
Tot Ion: 77 Resp: 278840
 Ion Ratio Lower Upper
 77 100
 97 22.4 11.2 33.6



#27
 cis-1,2-Dichloroethene
 Concen: 20.643 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion: 96 Resp: 192008
 Ion Ratio Lower Upper
 96 100
 61 145.5 0.0 282.6
 98 65.5 0.0 130.8





#28

Bromochloromethane

Concen: 19.399 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampled :

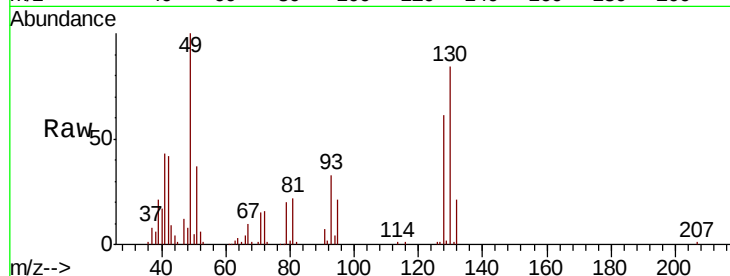
Tot Ion: 49 Resp: 106540

Ion Ratio Lower Upper

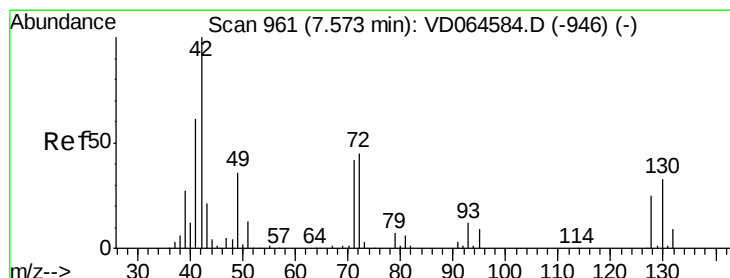
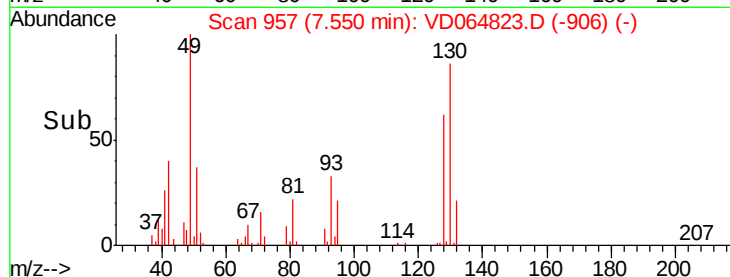
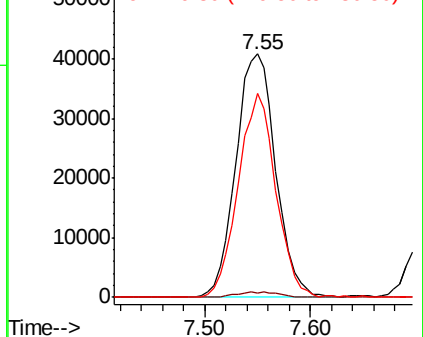
49 100

129 2.2 0.0 4.8

130 79.1 65.0 97.6



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



#29

Tetrahydrofuran

Concen: 72.393 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

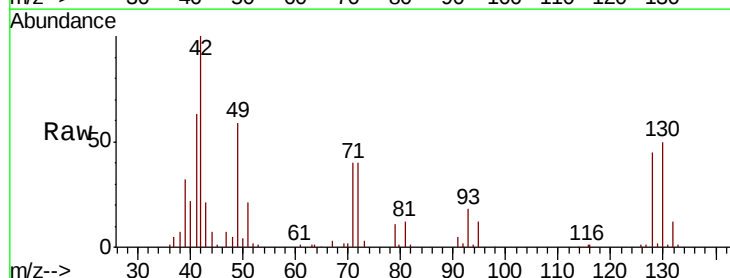
Tgt Ion: 42 Resp: 93863

Ion Ratio Lower Upper

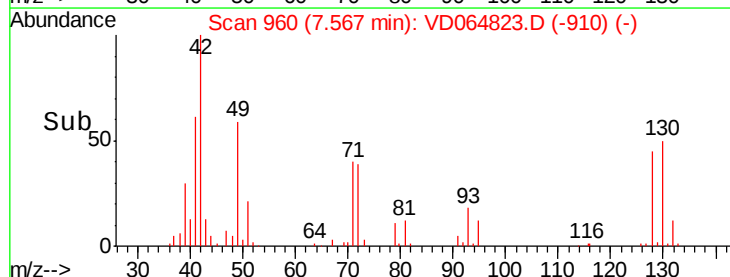
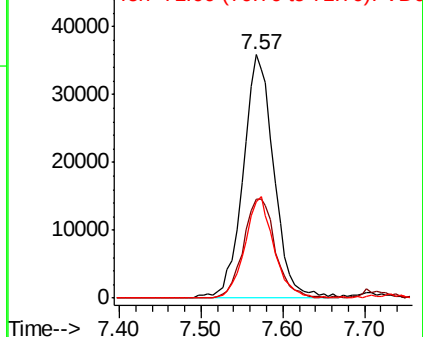
42 100

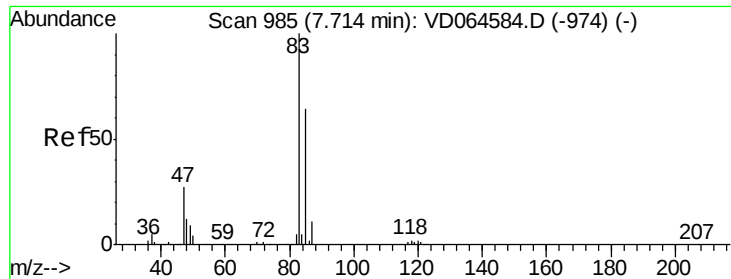
72 42.1 35.0 52.4

71 39.0 32.9 49.3



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

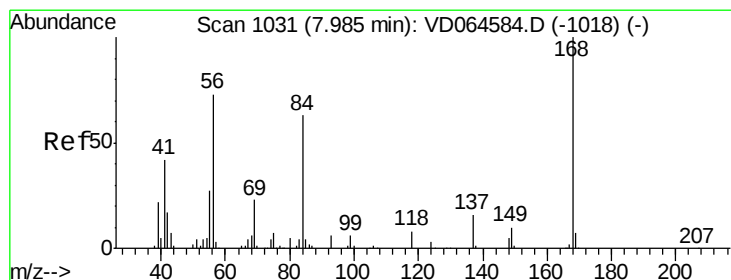
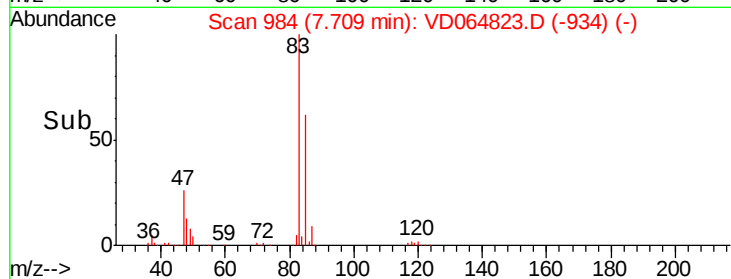
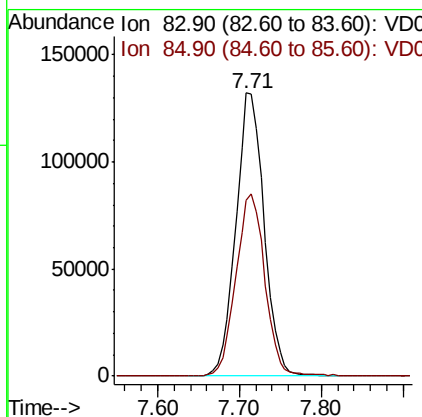
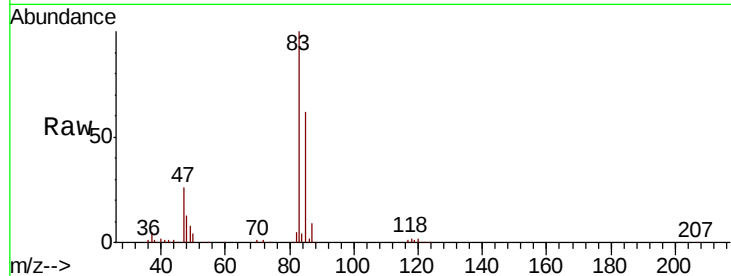




#30
Chloroform
Concen: 21.494 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

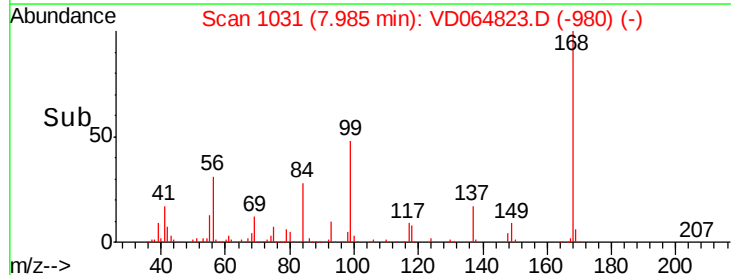
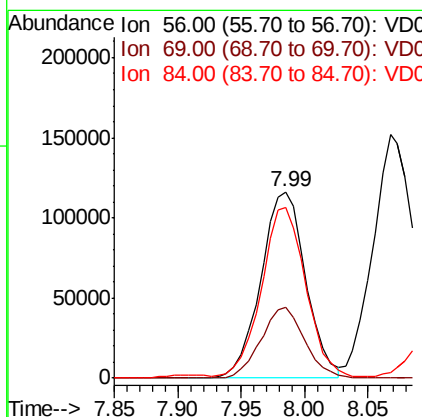
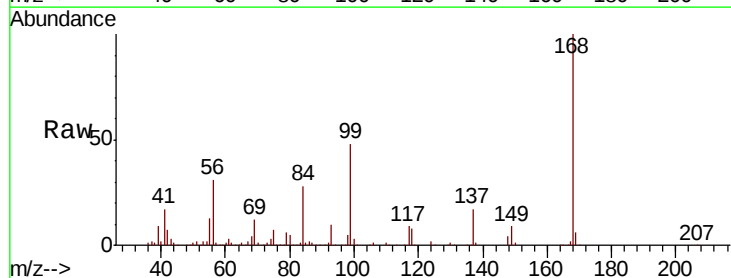
Instrument :
MSVOA_D
ClientSampled :

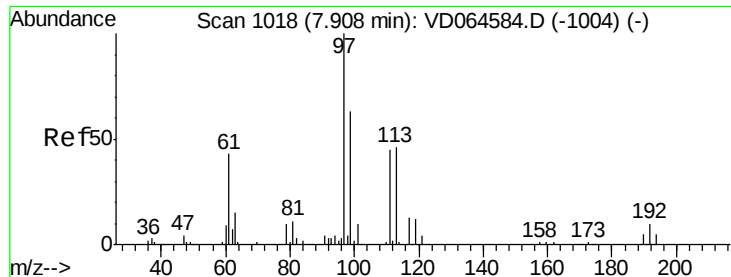
Tot Ion: 83 Resp: 318614
Ion Ratio Lower Upper
83 100
85 62.1 51.1 76.7



#31
Cyclohexane
Concen: 20.209 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion: 56 Resp: 285807
Ion Ratio Lower Upper
56 100
69 37.7 24.7 37.1#
84 89.5 69.4 104.2





#32

1,1,1-Trichloroethane

Concen: 21.909 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

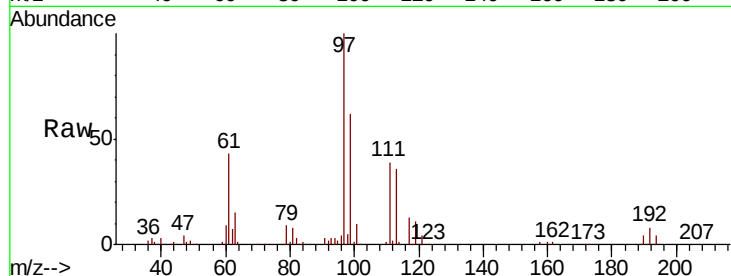
Tot Ion: 97 Resp: 305034

Ion Ratio Lower Upper

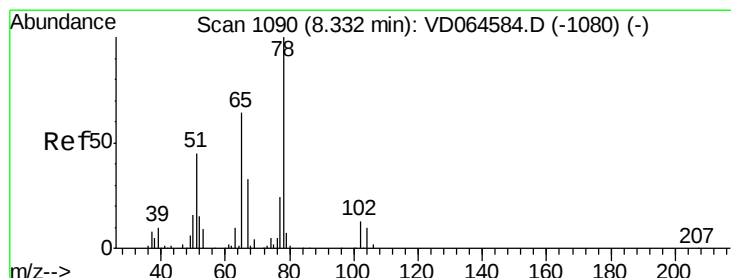
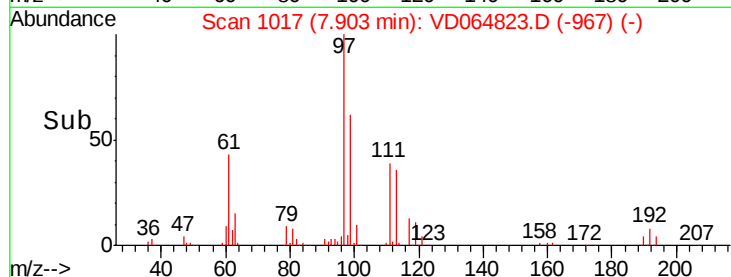
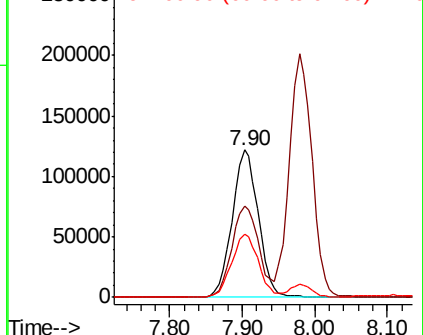
97 100

99 64.5 51.0 76.6

61 43.8 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: 42.483 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064823.D

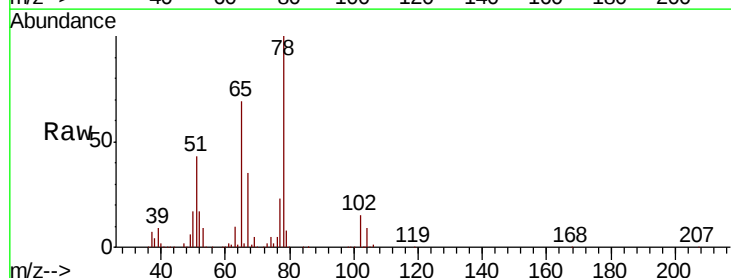
Acq: 09 Jan 2020 18:25

Tgt Ion: 65 Resp: 322238

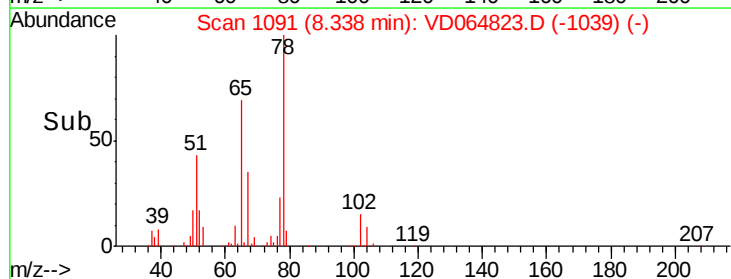
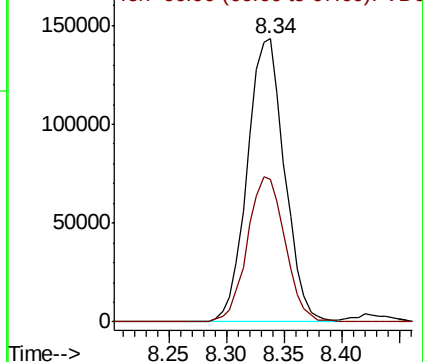
Ion Ratio Lower Upper

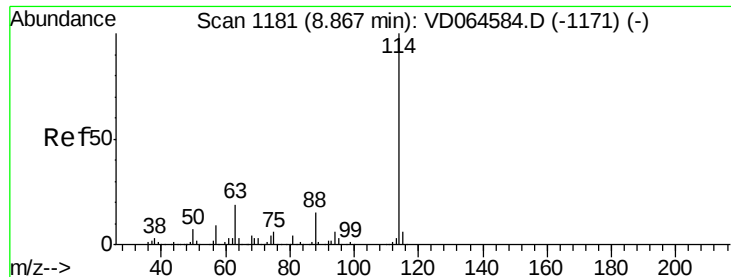
65 100

67 52.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

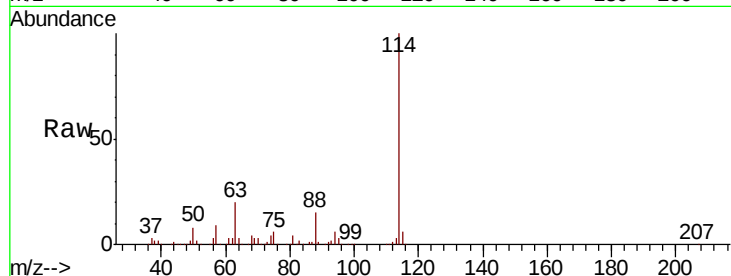




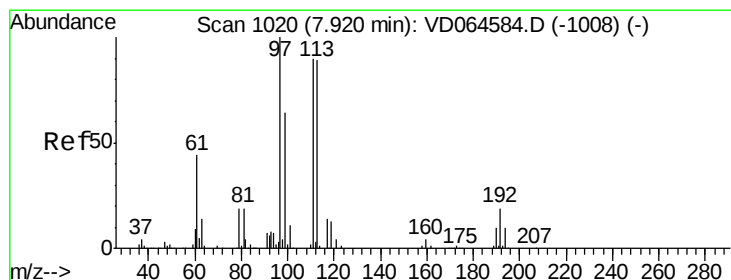
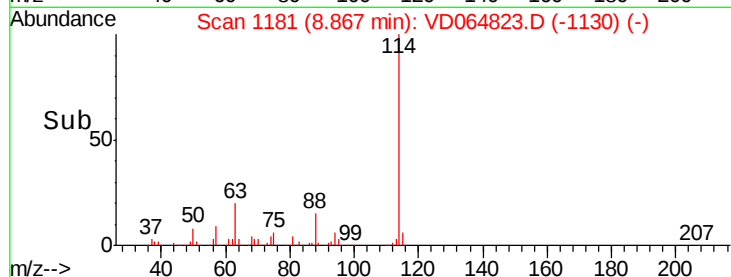
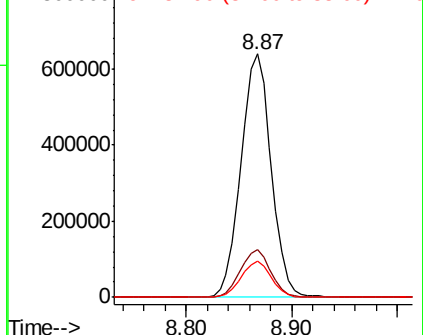
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1269183
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.0
 88 14.8 0.0 29.2

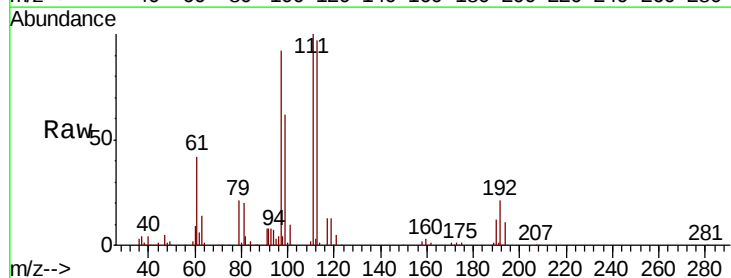


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

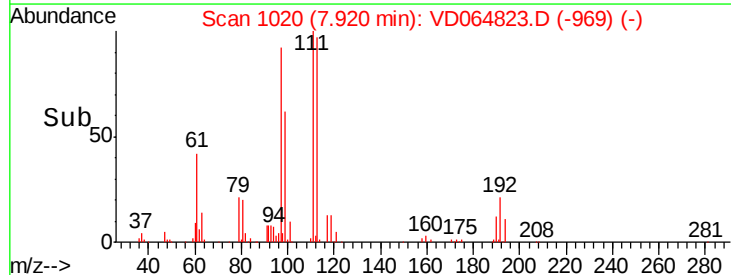
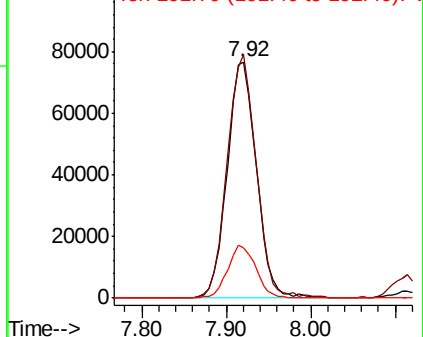


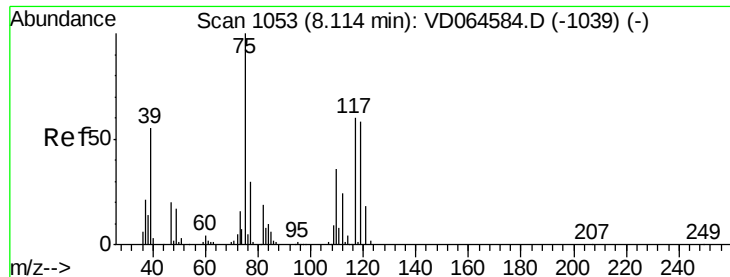
#35
 Dibromofluoromethane
 Concen: 23.435 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion:113 Resp: 182477
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.6 121.0
 192 21.5 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: 20.785 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

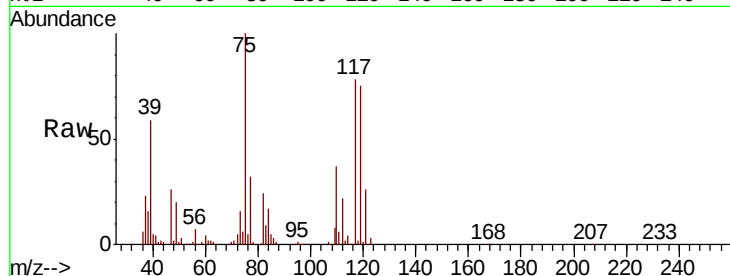
Tot Ion: 75 Resp: 253909

Ion Ratio Lower Upper

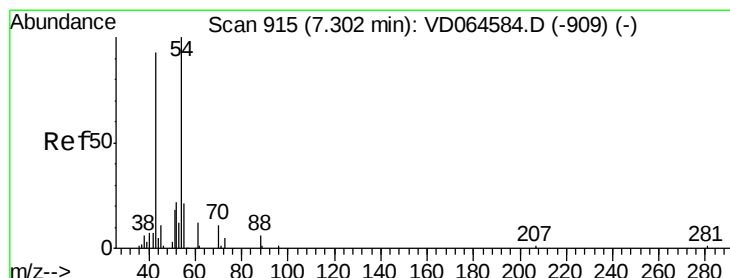
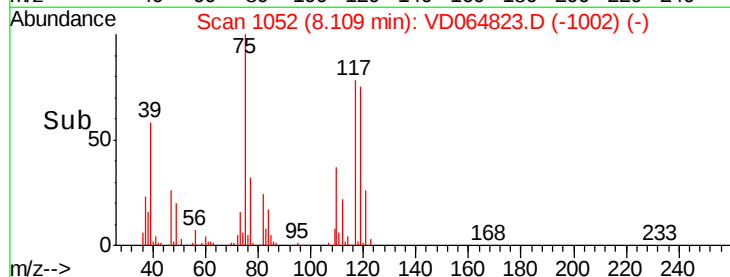
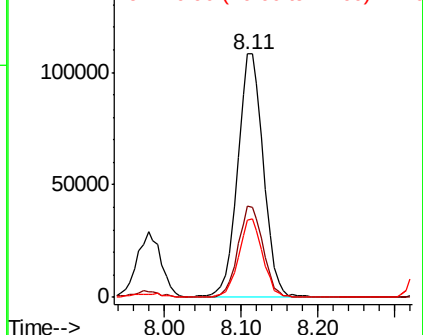
75 100

110 36.3 18.1 54.1

77 30.2 24.2 36.4



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



#37

Ethyl Acetate

Concen: 33.886 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

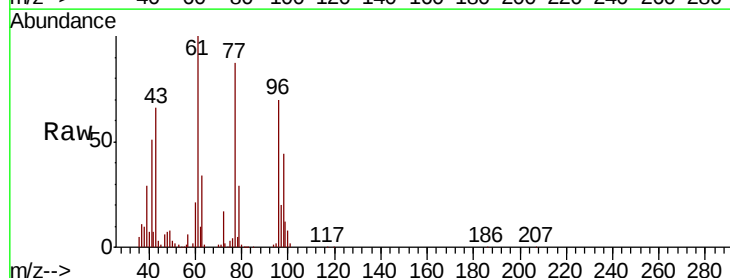
Tgt Ion: 43 Resp: 162621

Ion Ratio Lower Upper

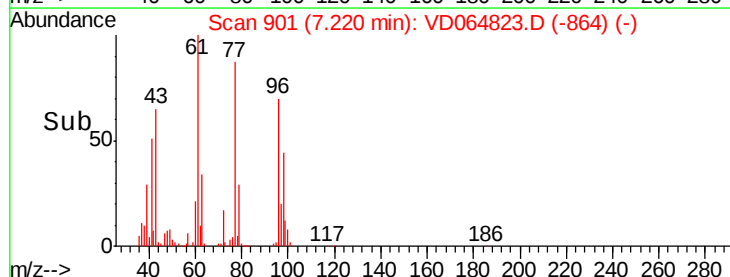
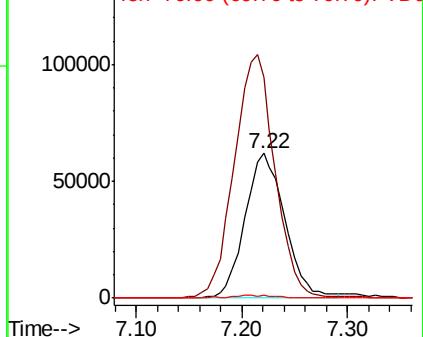
43 100

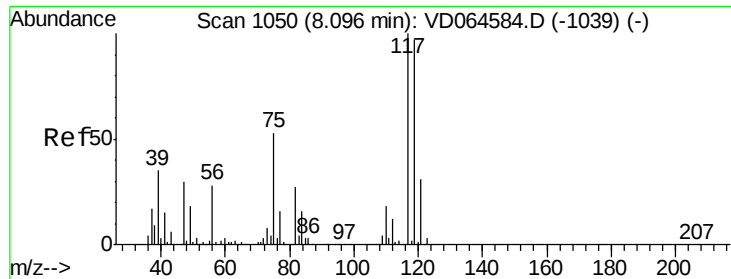
61 171.8 10.3 15.5#

70 2.4 7.6 11.4#



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

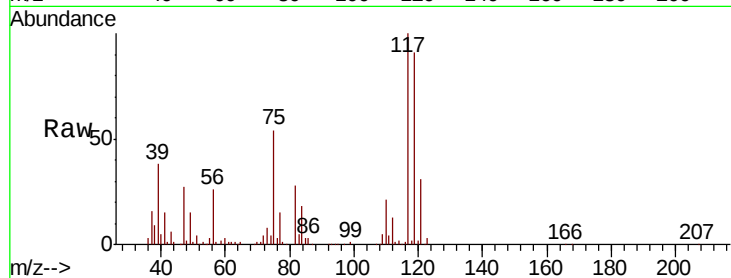




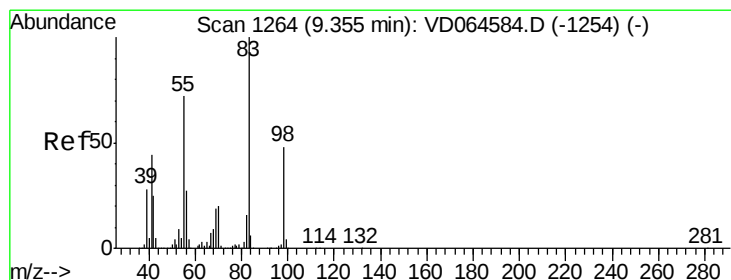
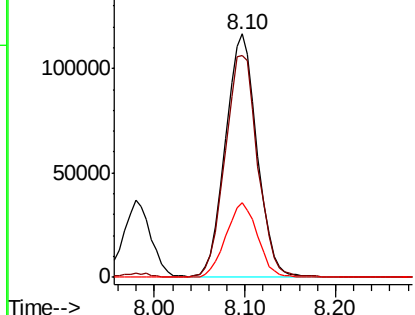
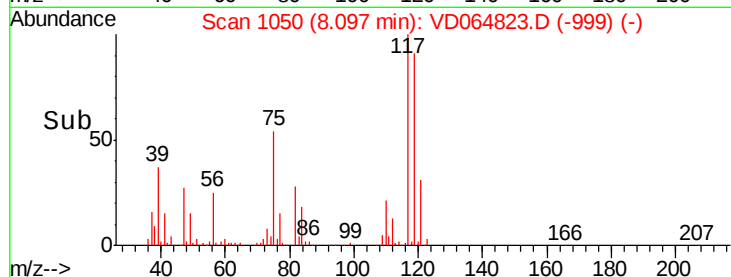
#38
Carbon Tetrachloride
Concen: 21.571 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 280974
Ion Ratio Lower Upper
117 100
119 90.9 77.3 115.9
121 30.7 25.0 37.6

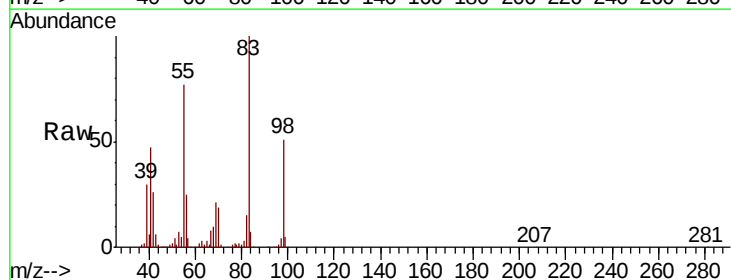


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

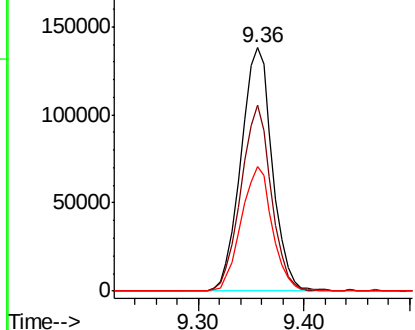
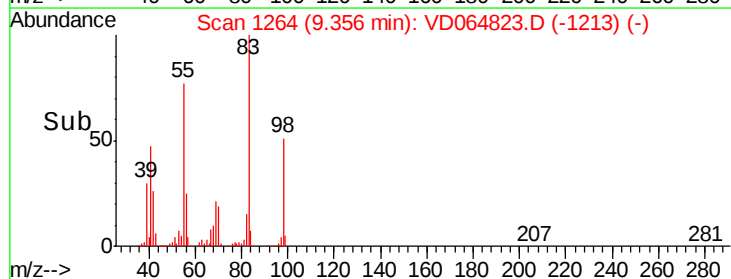


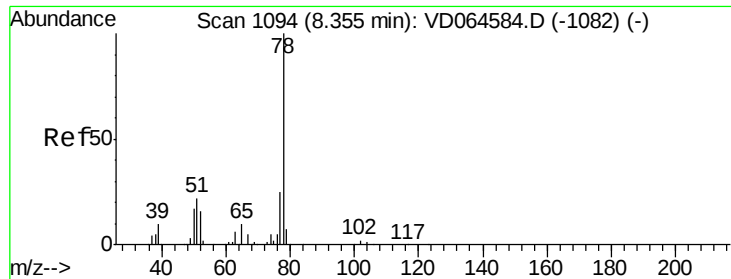
#39
Methylcyclohexane
Concen: 19.295 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion: 83 Resp: 285480
Ion Ratio Lower Upper
83 100
55 76.6 57.8 86.6
98 51.3 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

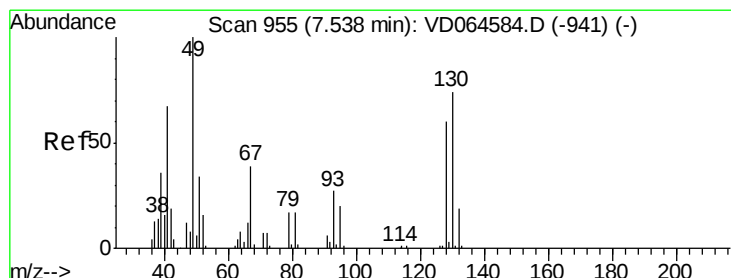
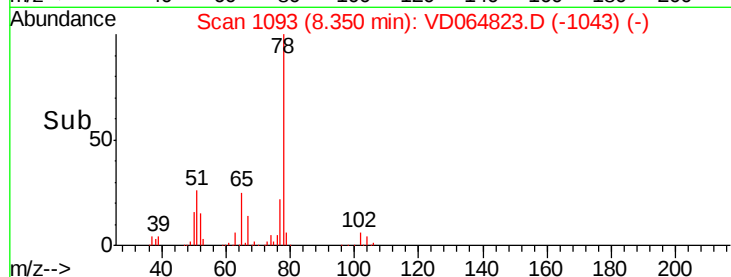
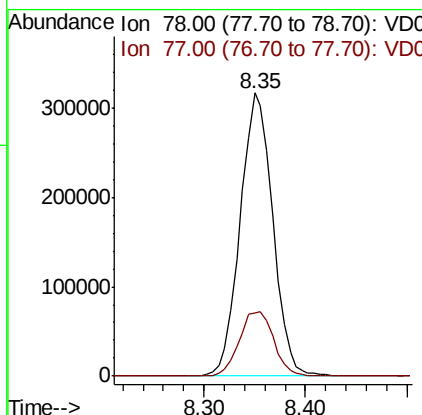
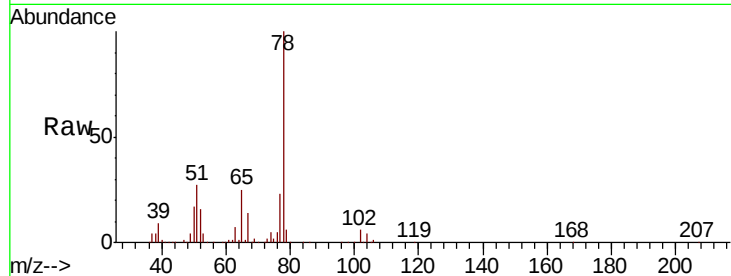




#40
Benzene
Concen: 21.150 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

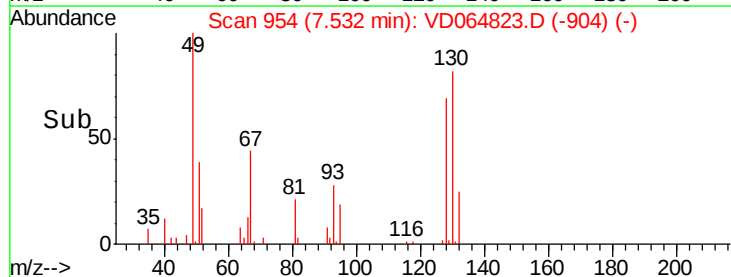
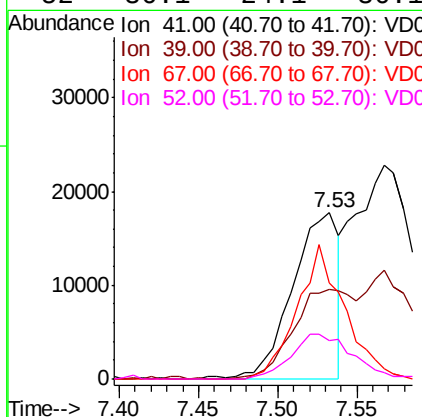
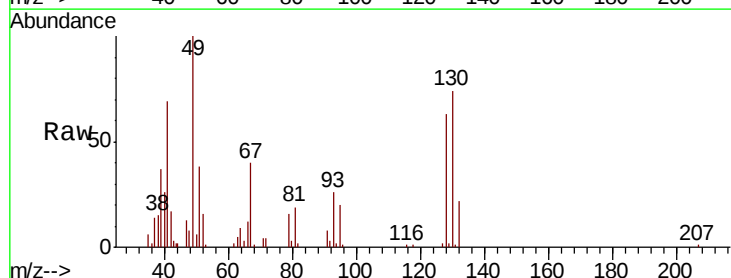
Instrument :
MSVOA_D
ClientSampleId :

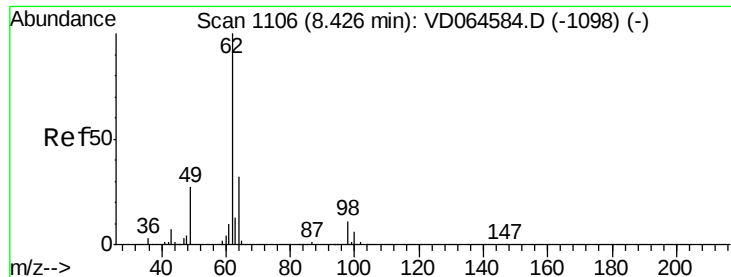
Tot Ion: 78 Resp: 705311
Ion Ratio Lower Upper
78 100
77 22.6 19.9 29.9



#41
Methacrylonitrile
Concen: 12.956 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion: 41 Resp: 36074
Ion Ratio Lower Upper
41 100
39 72.0 46.7 70.1#
67 82.5 52.5 78.7#
52 36.1 24.1 36.1





#42

1,2-Dichloroethane

Concen: 18.650 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

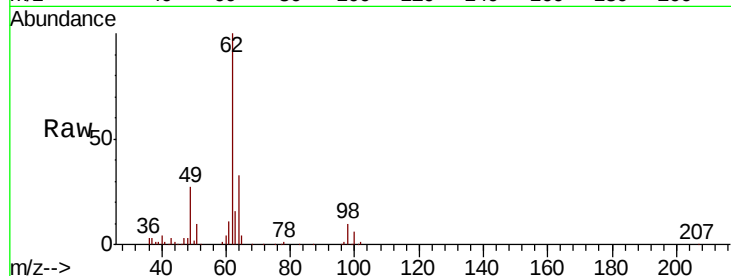
ClientSampleId :

Tot Ion: 62 Resp: 179727

Ion Ratio Lower Upper

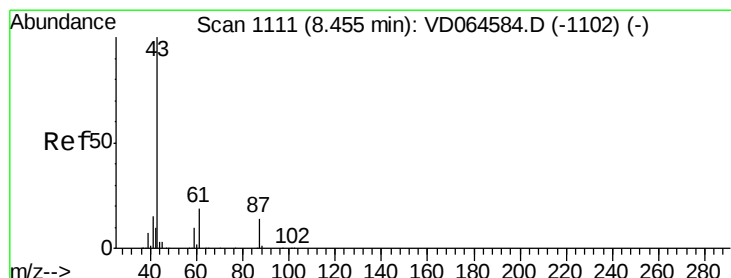
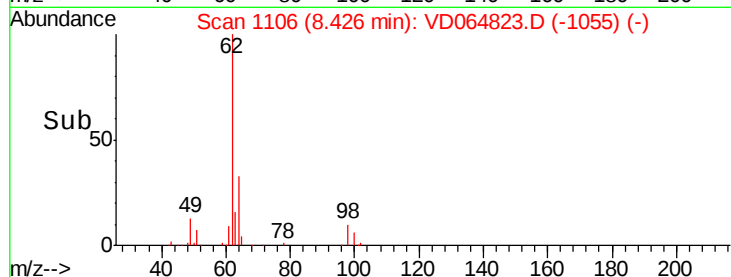
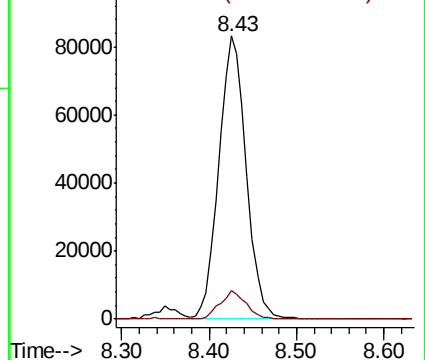
62 100

98 9.6 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: 6.854 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

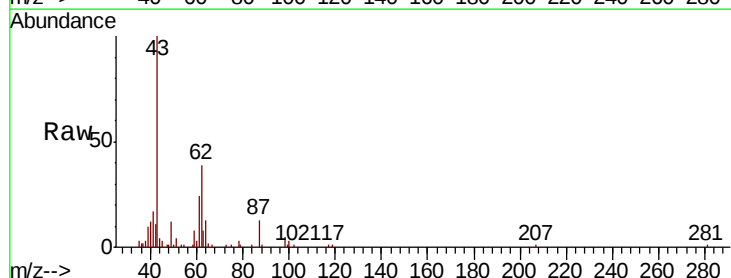
Tgt Ion: 43 Resp: 65465

Ion Ratio Lower Upper

43 100

61 0.0 23.7 35.5#

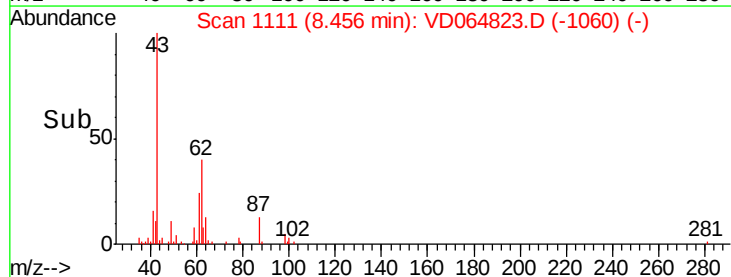
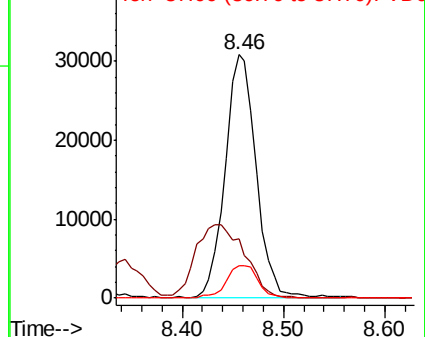
87 13.5 10.5 15.7

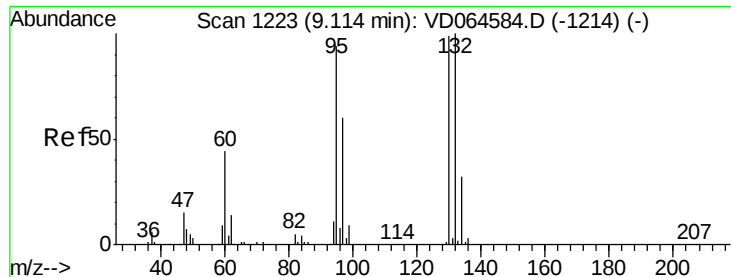


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

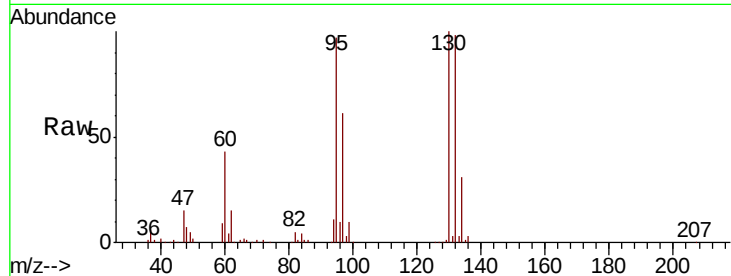




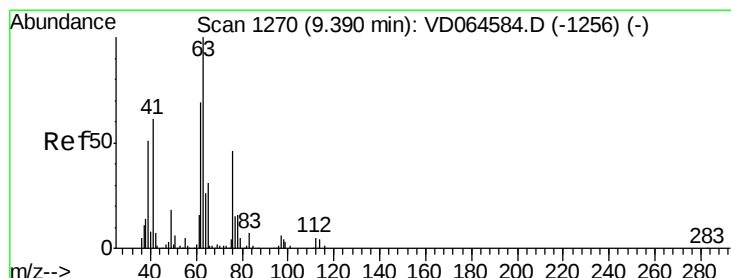
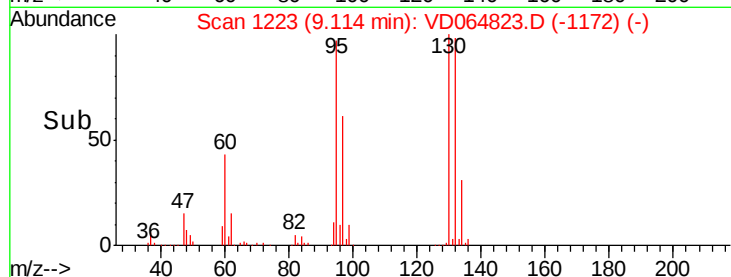
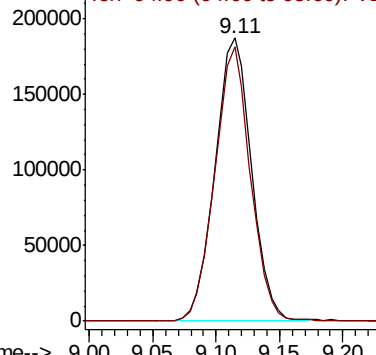
#44
 Trichloroethene
 Concen: 38.335 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:130 Resp: 375549
 Ion Ratio Lower Upper
 130 100
 95 96.9 0.0 190.2

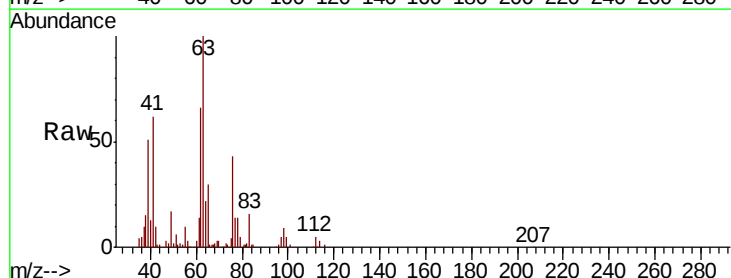


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC

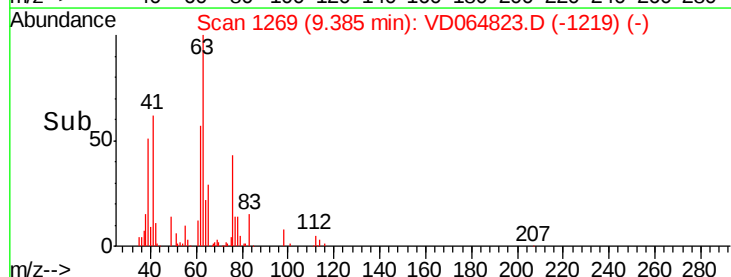
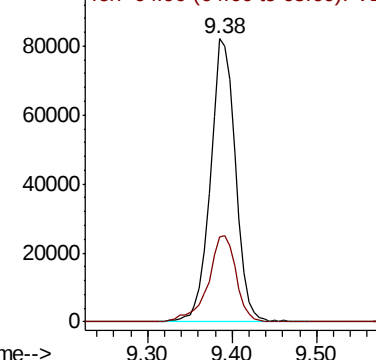


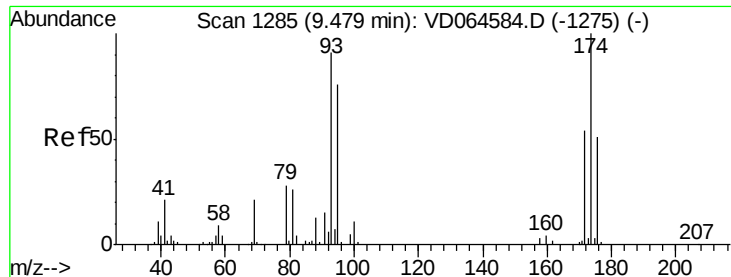
#45
 1,2-Dichloropropane
 Concen: 21.065 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion: 63 Resp: 167728
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC
 Ion 64.90 (64.60 to 65.60): VDC

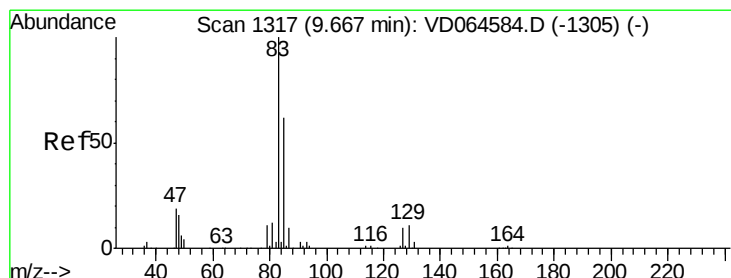
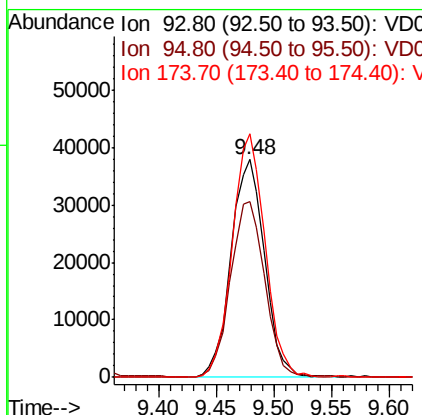
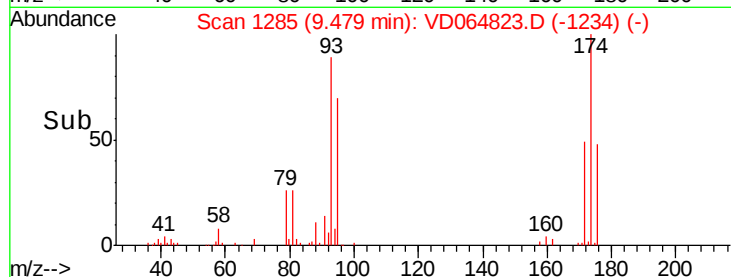
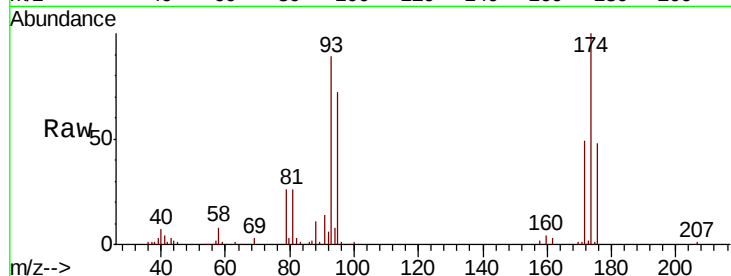




#46
Dibromomethane
Concen: 17.216 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

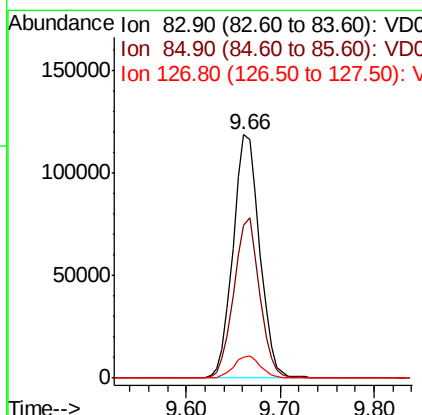
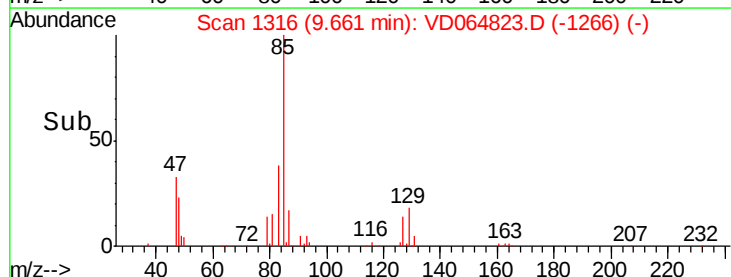
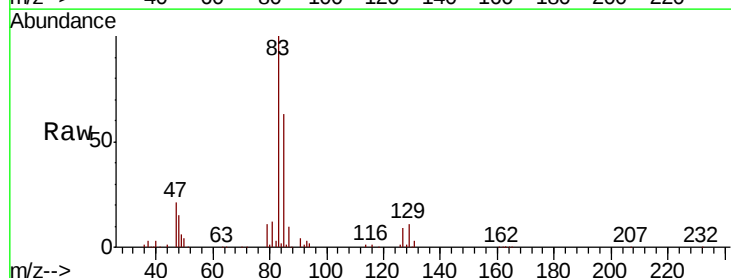
Instrument :
MSVOA_D
ClientSampled :

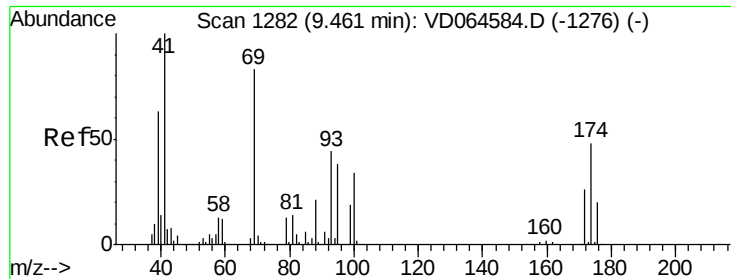
Tot Ion: 93 Resp: 76428
Ion Ratio Lower Upper
93 100
95 82.4 64.6 97.0
174 109.0 88.1 132.1



#47
Bromodichloromethane
Concen: 19.810 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion: 83 Resp: 234006
Ion Ratio Lower Upper
83 100
85 62.7 49.5 74.3
127 8.6 7.8 11.6

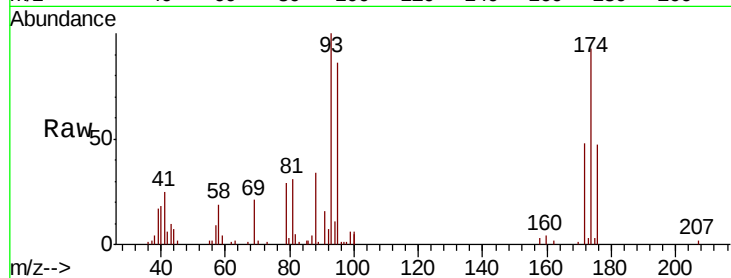




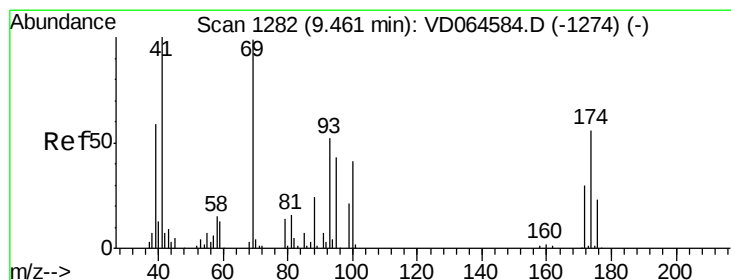
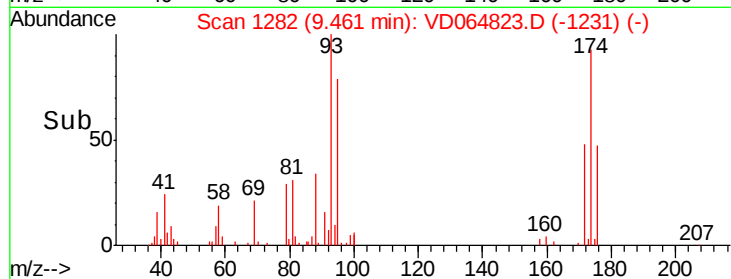
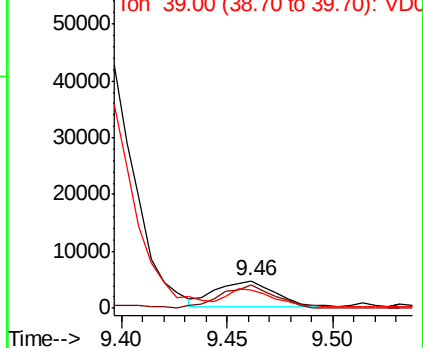
#48
Methvl methacrylate
Concen: 1.877 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 8442
Ion Ratio Lower Upper
41 100
69 84.8 63.0 94.6
39 52.4 47.4 71.2

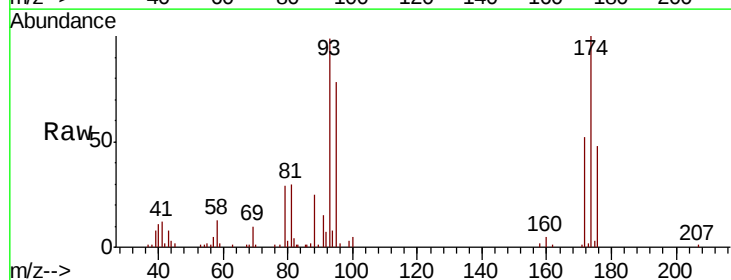


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

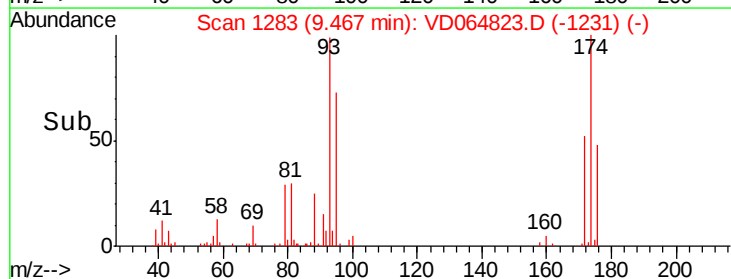
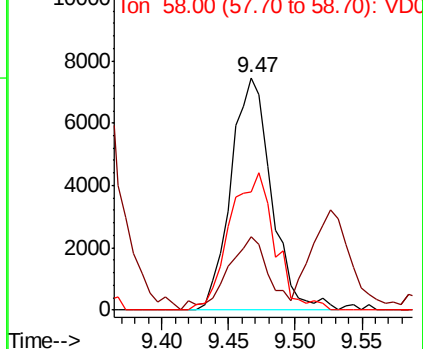


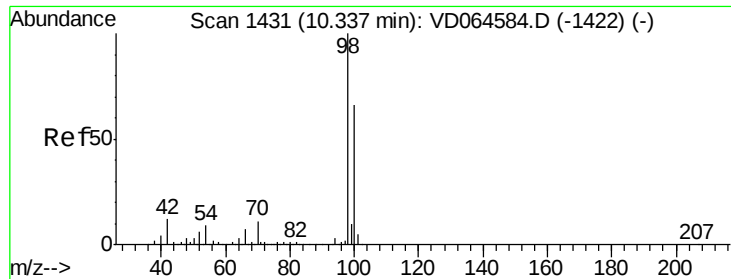
#49
1,4-Dioxane
Concen: 307.088 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion: 88 Resp: 15719
Ion Ratio Lower Upper
88 100
43 31.8 27.7 41.5
58 65.6 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

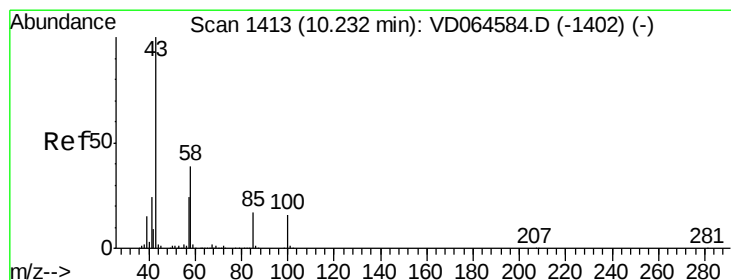
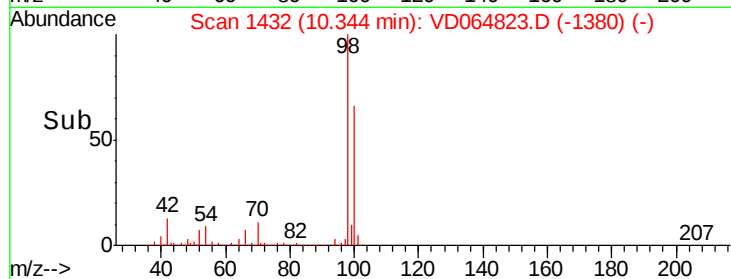
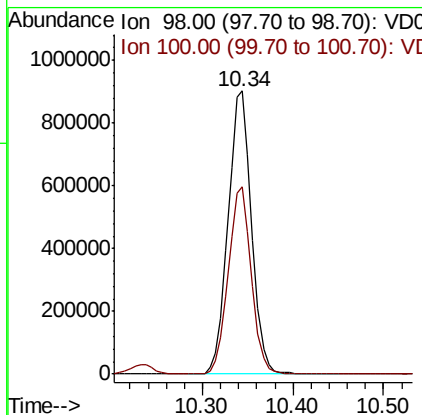
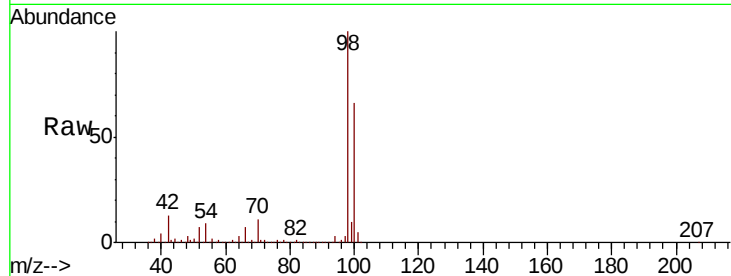




#50
Toluene-d8
Concen: 54.308 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

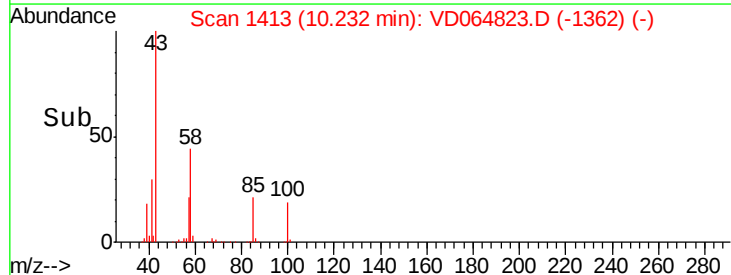
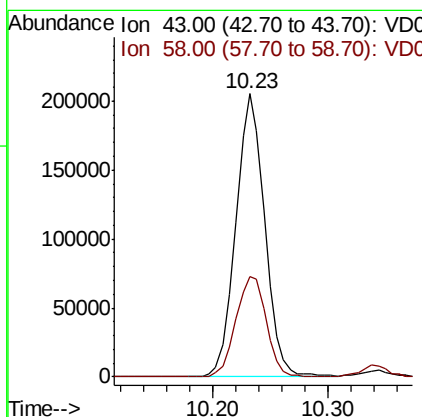
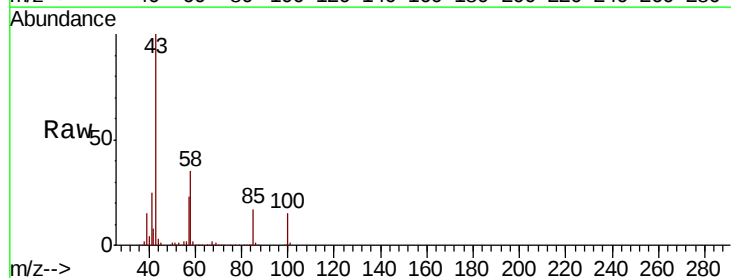
Instrument :
MSVOA_D
ClientSampled :

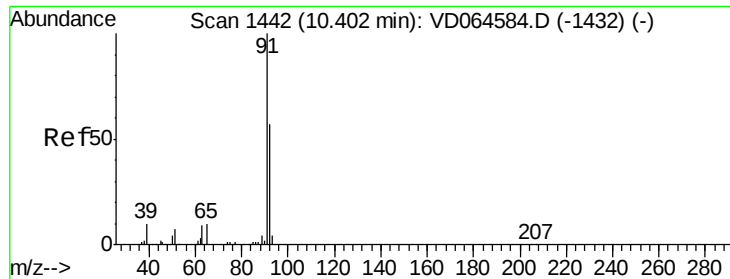
Tot Ion: 98 Resp: 1619583
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 75.401 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion: 43 Resp: 355995
Ion Ratio Lower Upper
43 100
58 37.5 30.2 45.2





#52

Toluene

Concen: 20.847 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

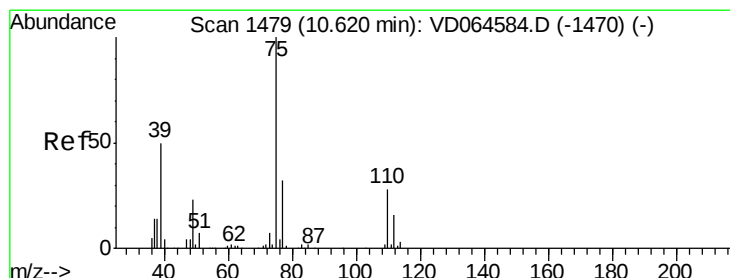
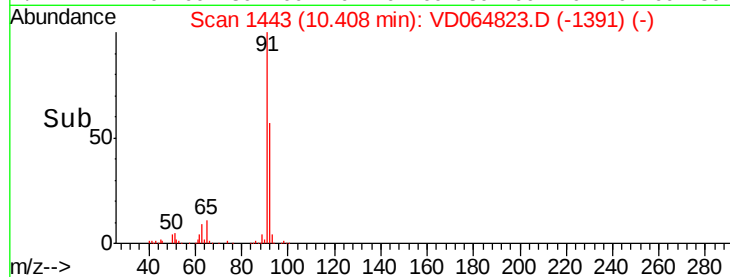
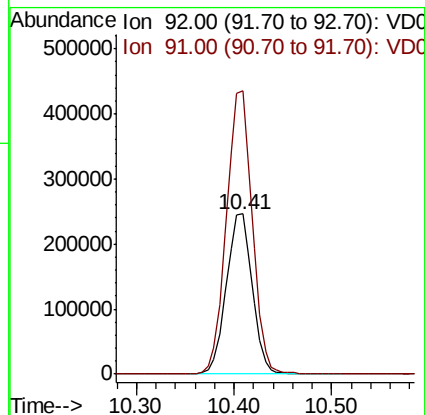
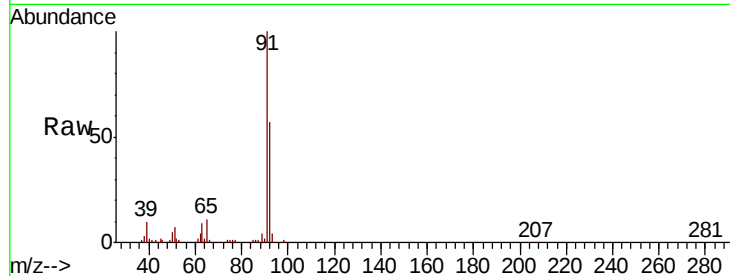
ClientSampled :

Tot Ion: 92 Resp: 456116

Ion Ratio Lower Upper

92 100

91 175.3 138.7 208.1



#53

t-1,3-Dichloropropene

Concen: 18.315 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064823.D

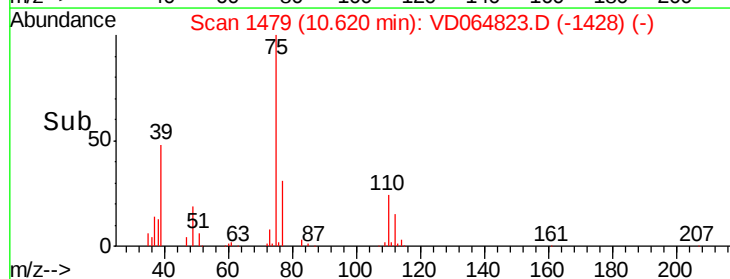
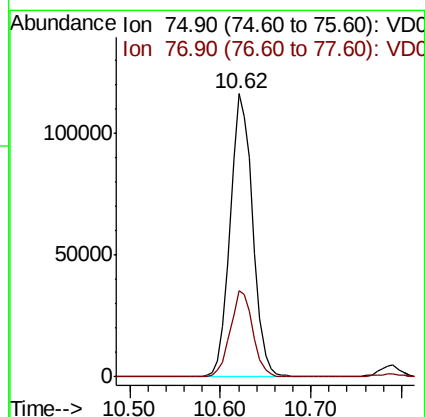
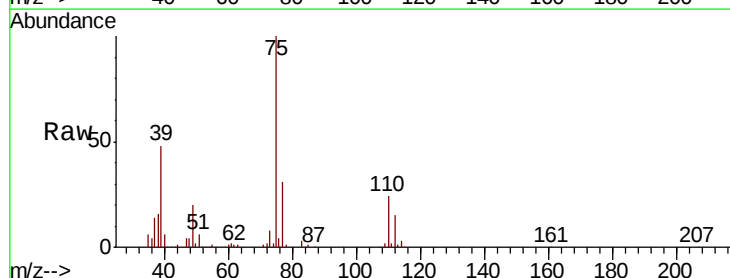
Acq: 09 Jan 2020 18:25

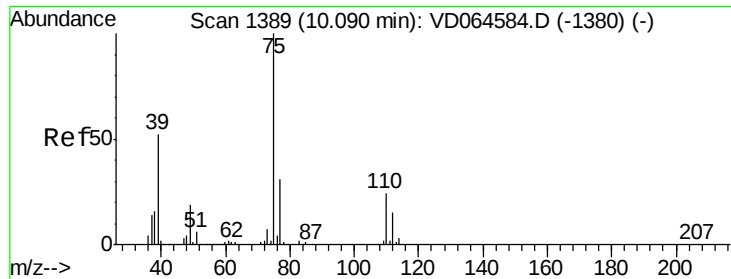
Tgt Ion: 75 Resp: 201711

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.2





#54

cis-1,3-Dichloropropene

Concen: 19.548 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

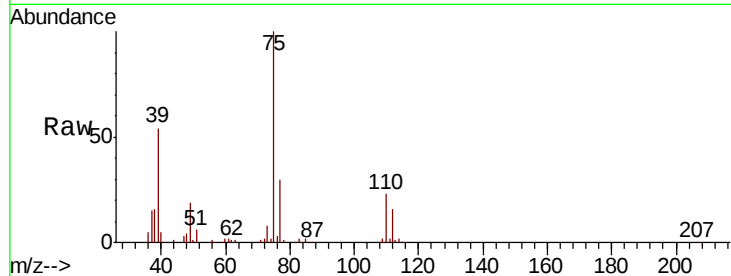
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 253847

Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.6	36.8
39	54.1	41.4	62.2

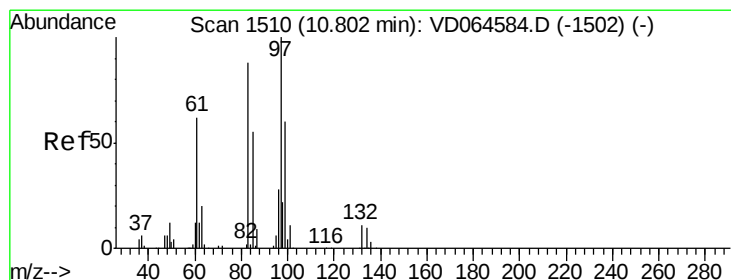
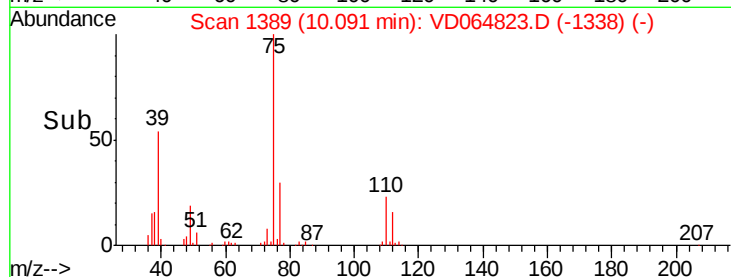
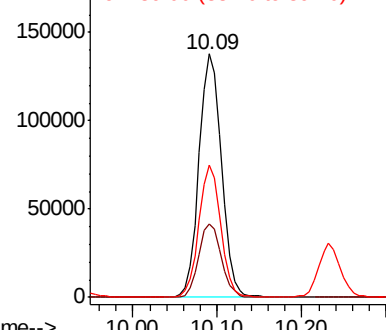


Abundance

Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC



#55

1,1,2-Trichloroethane

Concen: 15.884 ug/l

RT: 10.80 min Scan# 1510

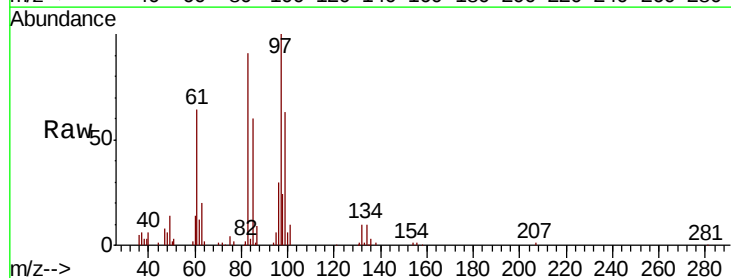
Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Tgt Ion: 97 Resp: 95028

Ion	Ratio	Lower	Upper
97	100		
83	90.5	70.2	105.4
85	59.8	44.0	66.0
99	62.7	47.8	71.6



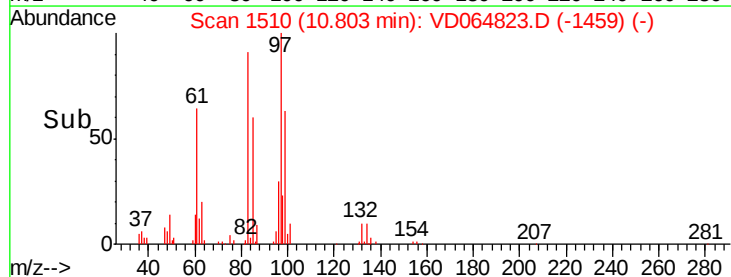
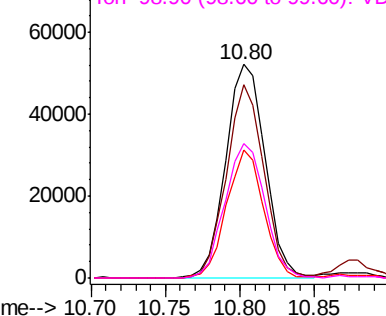
Abundance

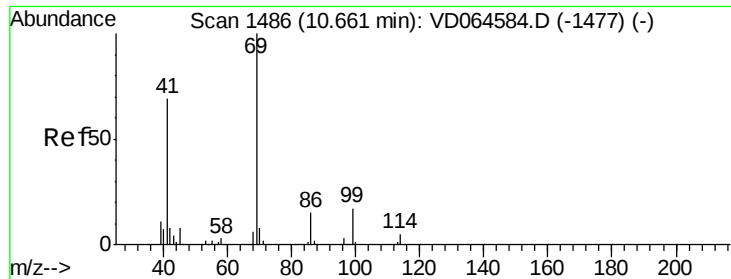
Ion 96.90 (96.60 to 97.60): VDC

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: 5.972 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampled :

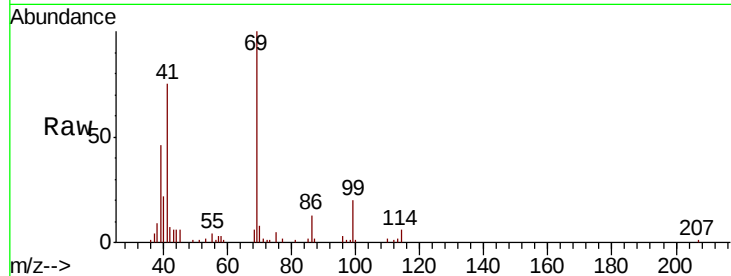
Tot Ion: 69 Resp: 44619

Ion Ratio Lower Upper

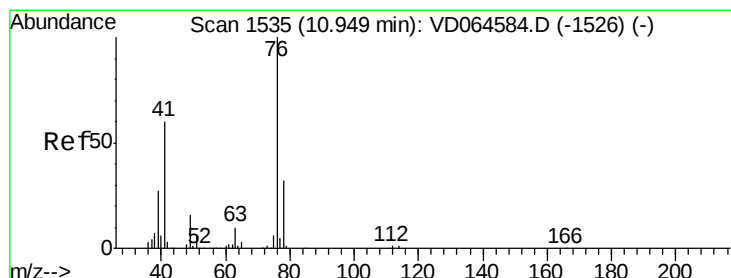
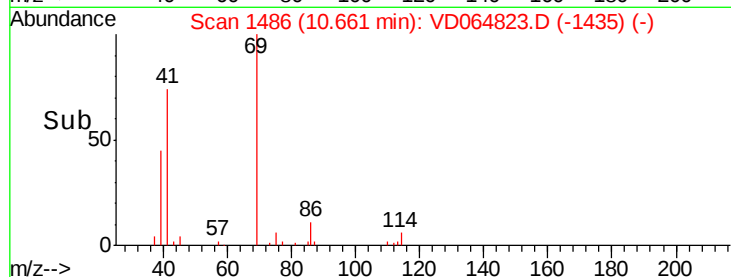
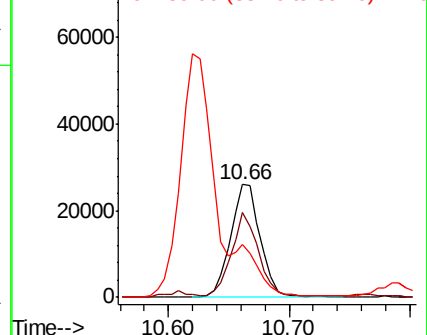
69 100

41 67.1 55.3 82.9

39 0.0 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: 17.531 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064823.D

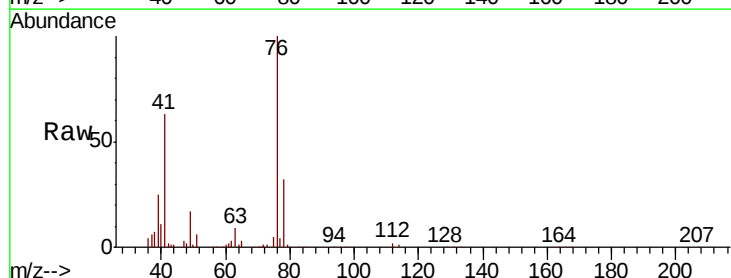
Acq: 09 Jan 2020 18:25

Tgt Ion: 76 Resp: 180582

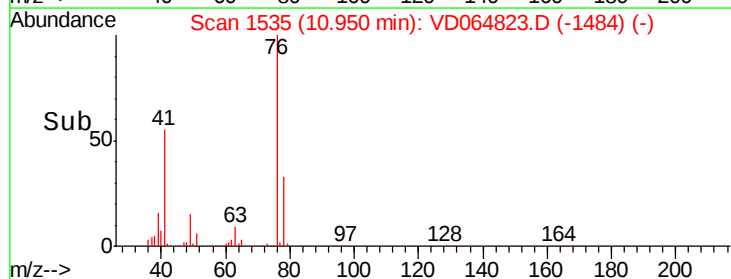
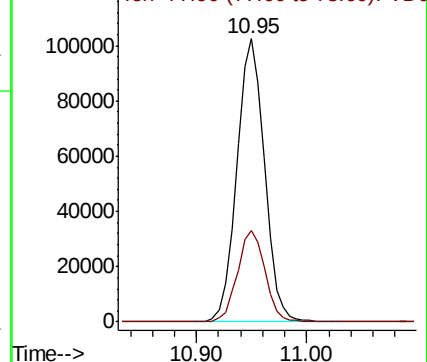
Ion Ratio Lower Upper

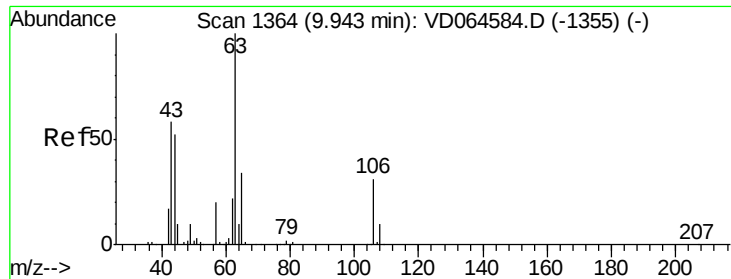
76 100

78 32.3 26.2 39.4



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

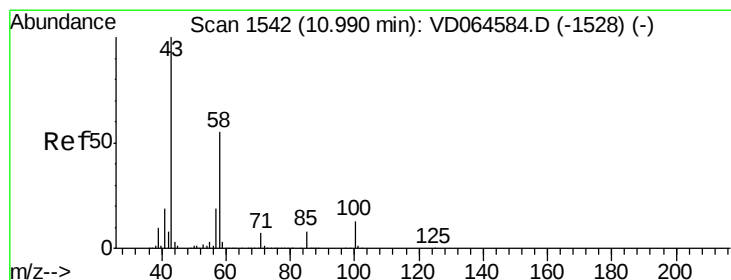
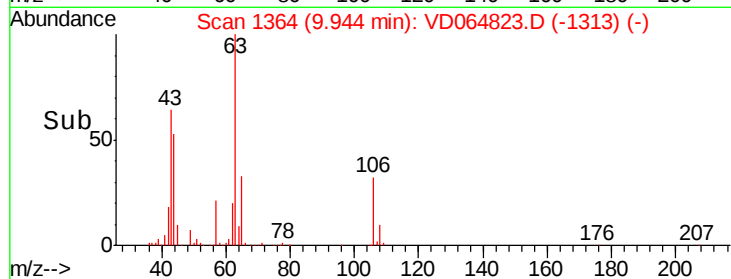
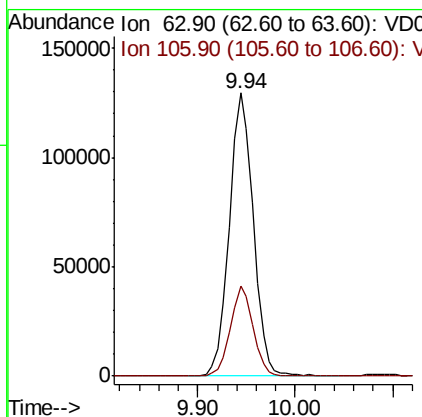
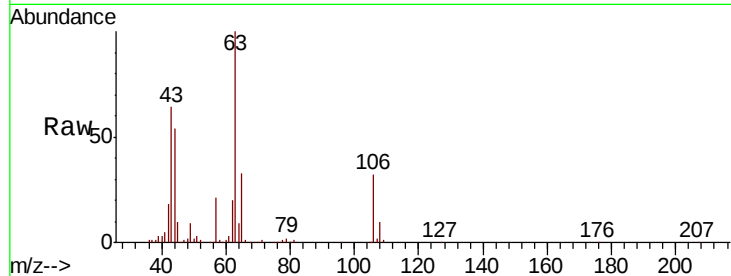




#58
 2-Chloroethyl Vinyl ether
 Concen: 77.590 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

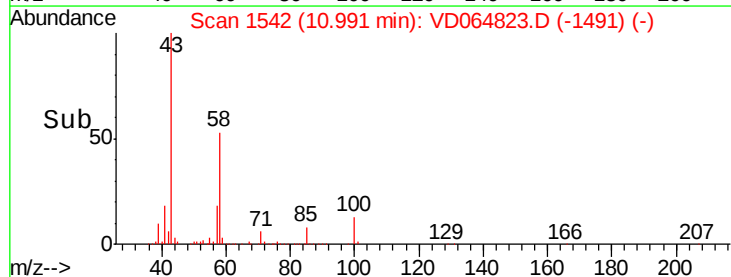
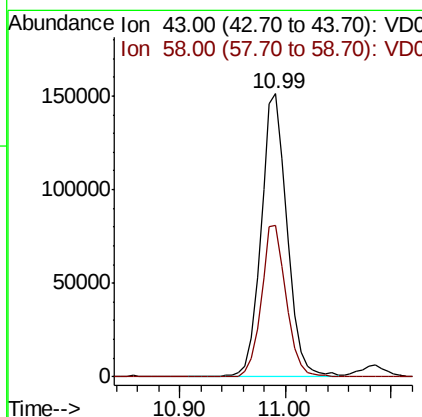
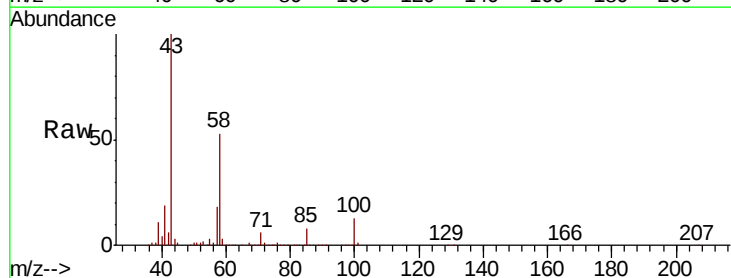
Instrument :
 MSVOA_D
 ClientSampled :

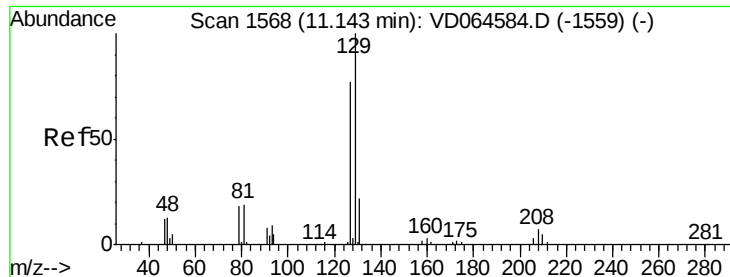
Tot Ion: 63 Resp: 220866
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.8 35.8



#59
 2-Hexanone
 Concen: 80.633 ug/l
 RT: 10.99 min Scan# 1542
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion: 43 Resp: 258387
 Ion Ratio Lower Upper
 43 100
 58 51.2 26.4 79.0





#60

Dibromochloromethane

Concen: 17.199 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

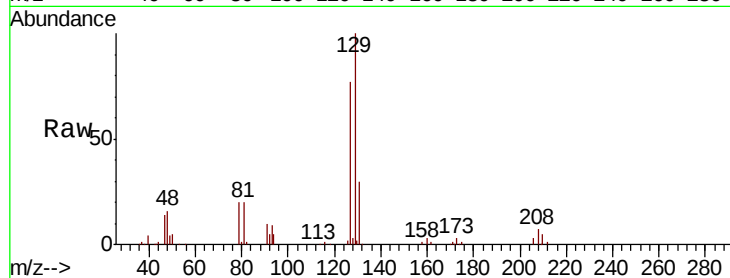
ClientSampleId :

Tot Ion:129 Resp: 142287

Ion Ratio Lower Upper

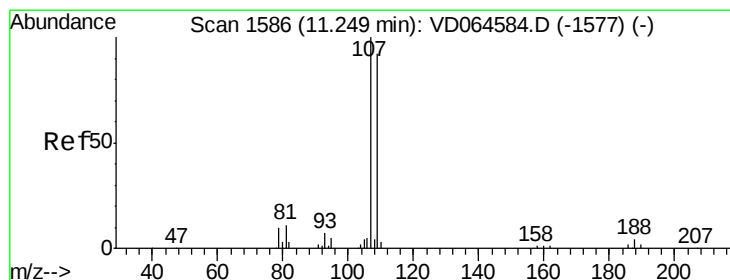
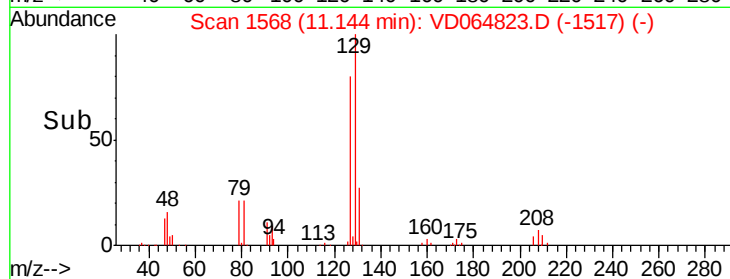
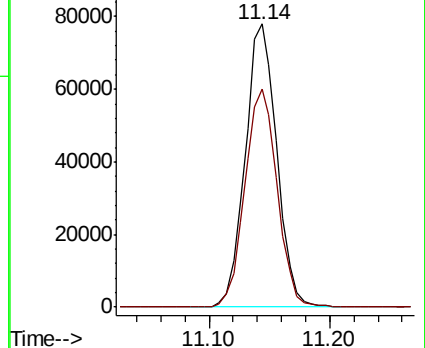
129 100

127 78.9 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 16.400 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064823.D

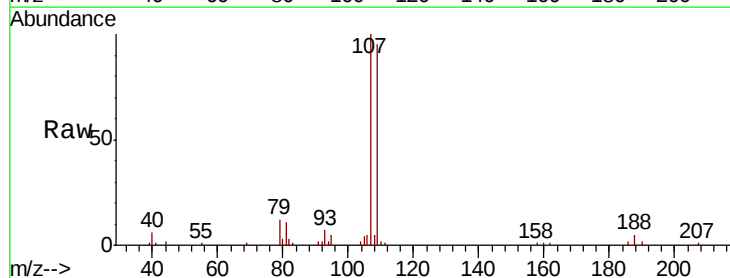
Acq: 09 Jan 2020 18:25

Tgt Ion:107 Resp: 96771

Ion Ratio Lower Upper

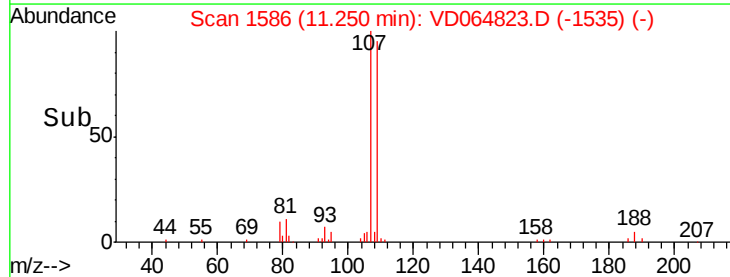
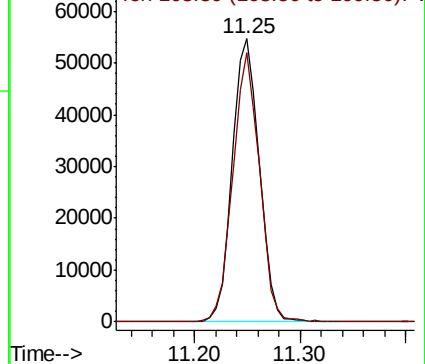
107 100

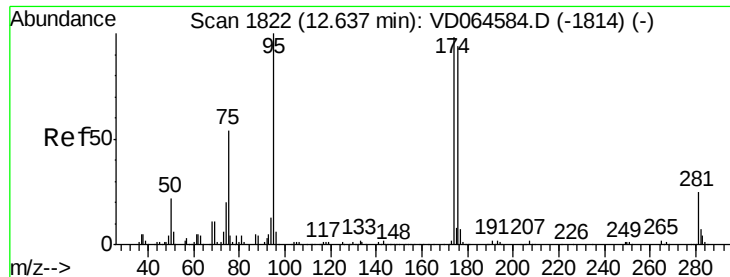
109 93.1 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

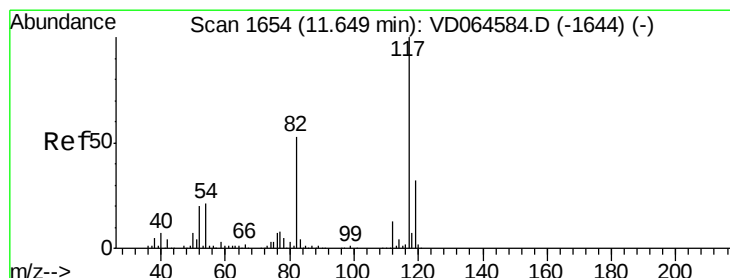
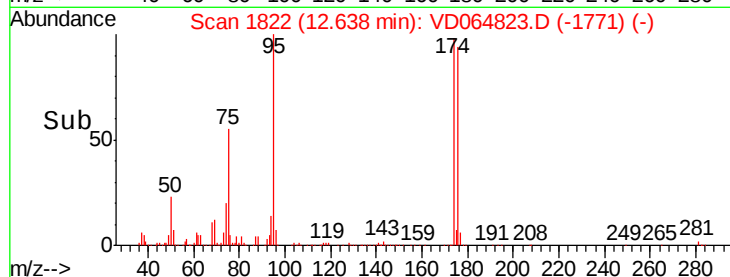
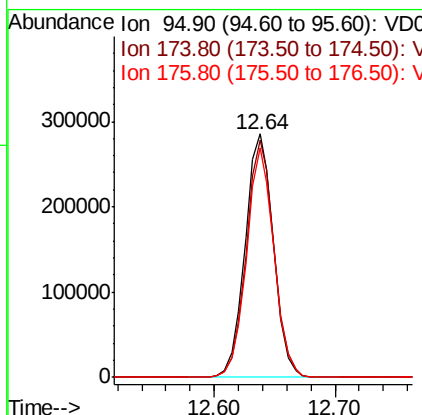
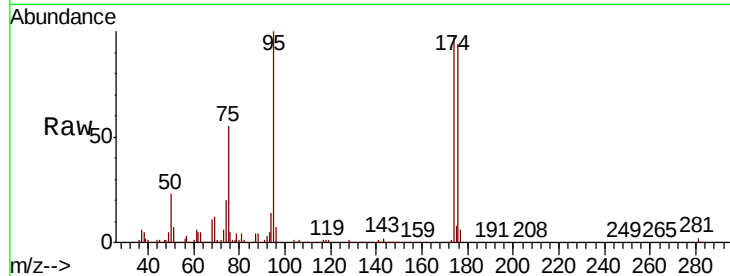




#62
4-Bromofluorobenzene
Concen: 49.300 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

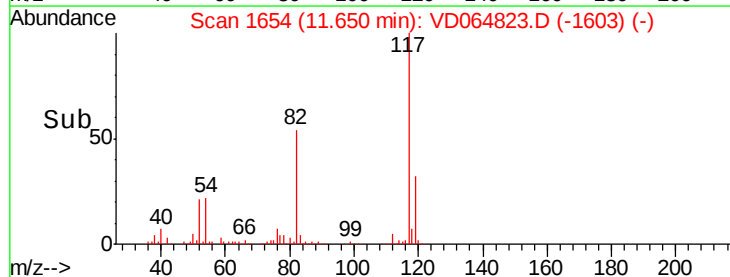
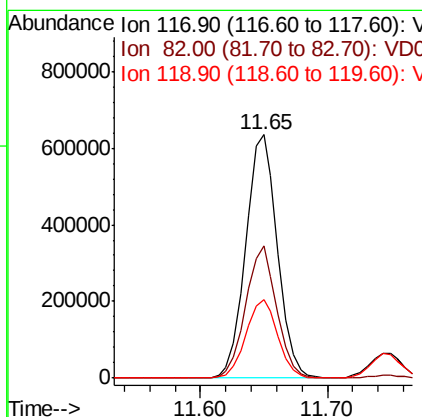
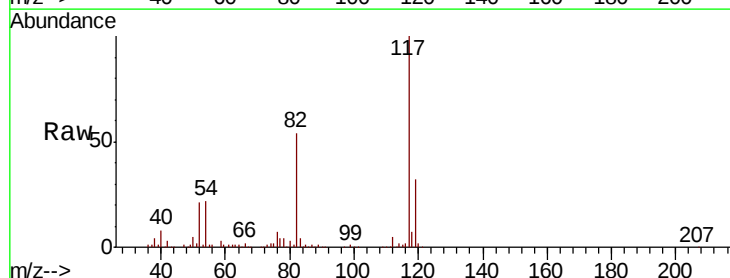
Instrument :
MSVOA_D
ClientSampleId :

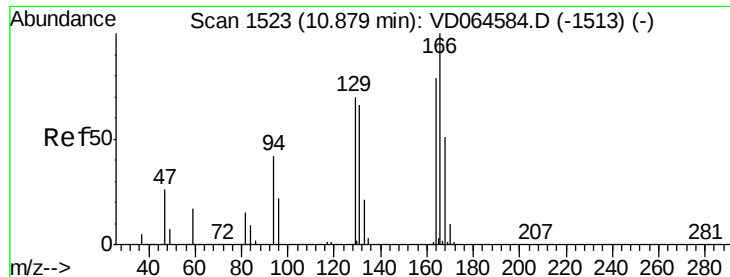
Tot Ion: 95 Resp: 464898
Ion Ratio Lower Upper
95 100
174 95.7 0.0 193.2
176 91.6 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion: 117 Resp: 1099119
Ion Ratio Lower Upper
117 100
82 54.1 42.2 63.4
119 32.4 26.0 39.0

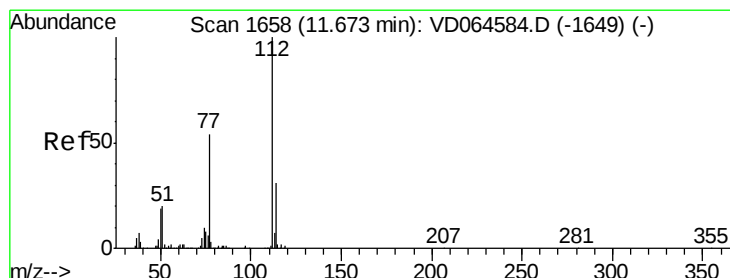
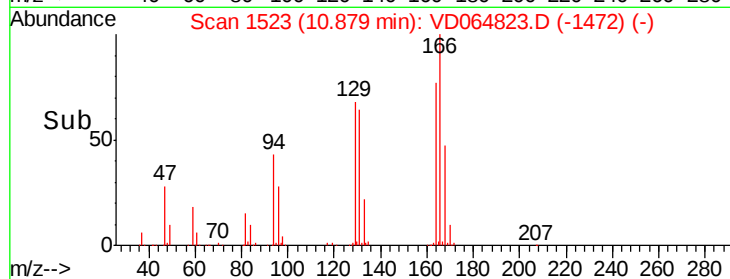
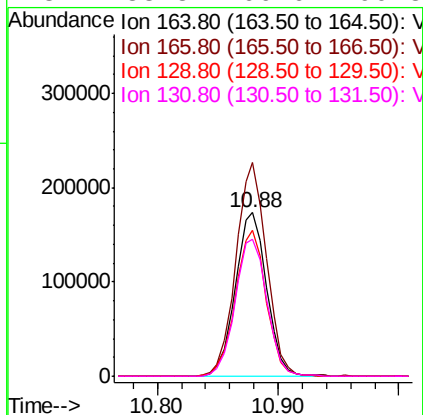
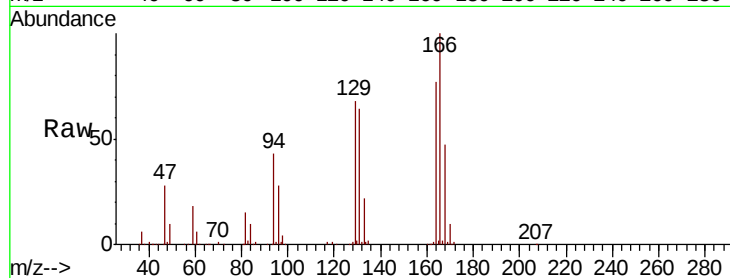




#64
Tetrachloroethene
Concen: 37.073 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

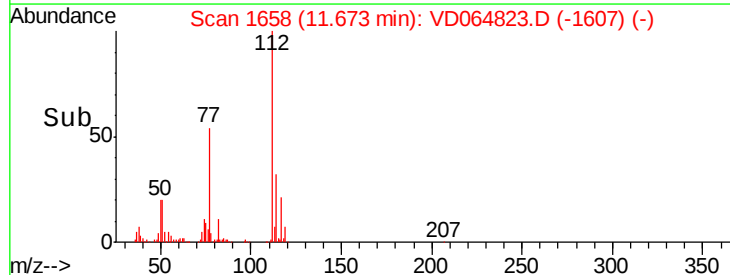
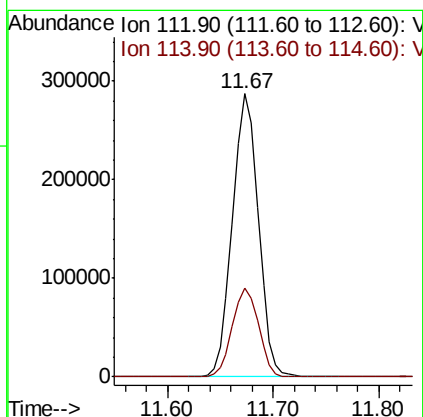
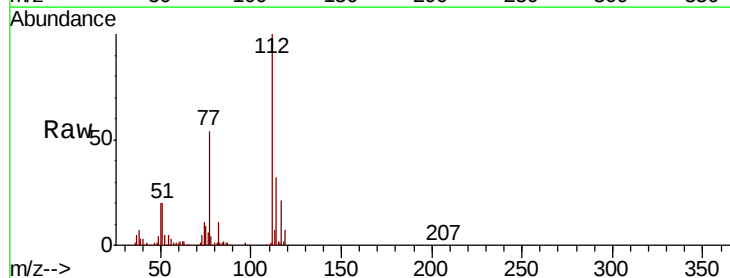
Instrument :
MSVOA_D
ClientSampleId :

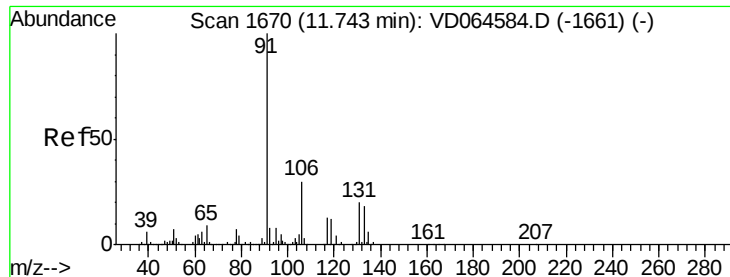
Tot Ion	Ratio	Lower	Upper
164	100		
166	130.7	101.3	151.9
129	89.2	70.5	105.7
131	83.8	66.6	99.8



#65
Chlorobenzene
Concen: 21.369 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.8	37.2





#66

1,1,1,2-Tetrachloroethane

Concen: 20.537 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampled :

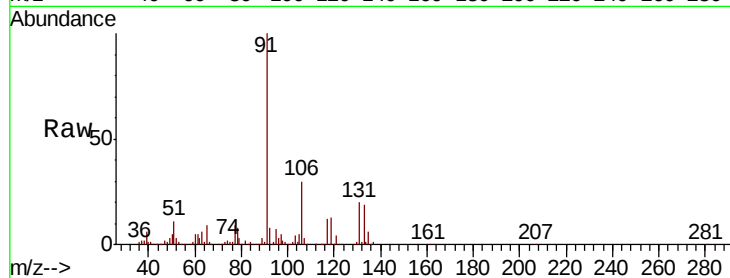
Tot Ion:131 Resp: 176618

Ion Ratio Lower Upper

131 100

133 96.4 48.3 144.8

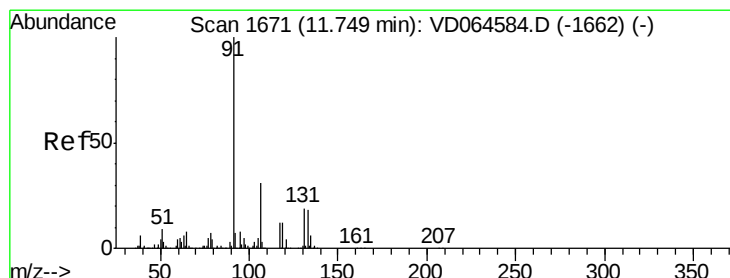
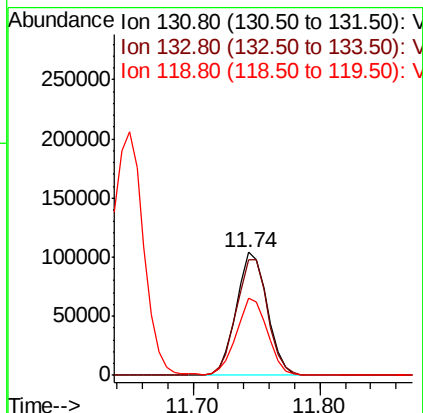
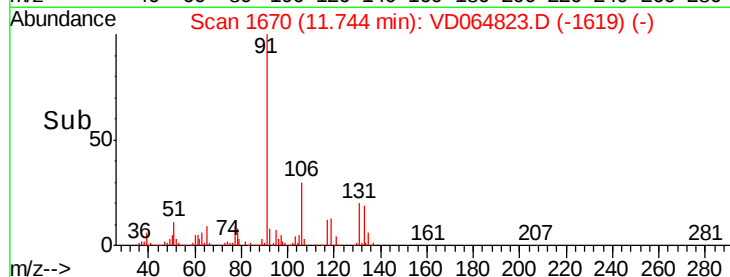
119 63.1 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 21.386 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064823.D

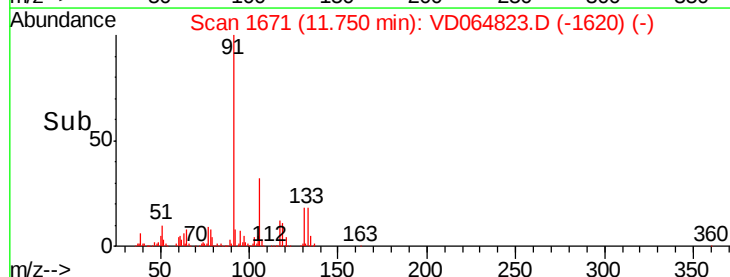
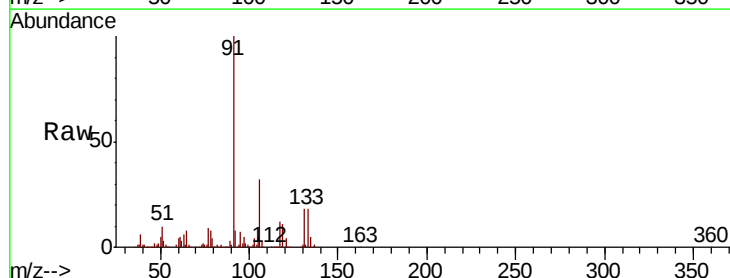
Acq: 09 Jan 2020 18:25

Tgt Ion: 91 Resp: 885476

Ion Ratio Lower Upper

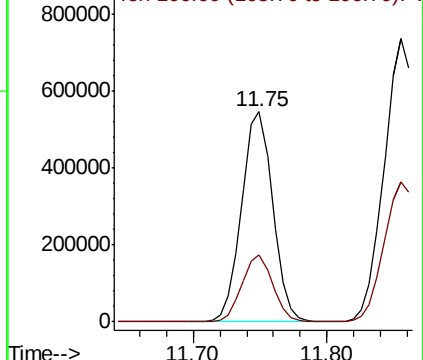
91 100

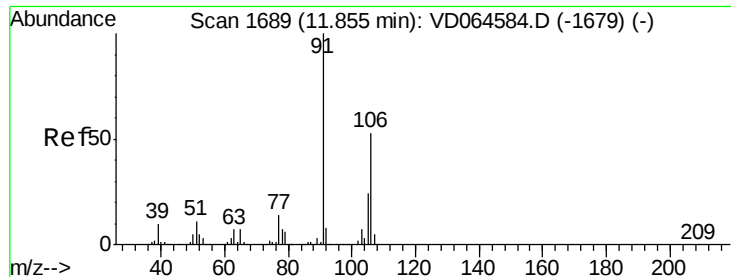
106 31.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

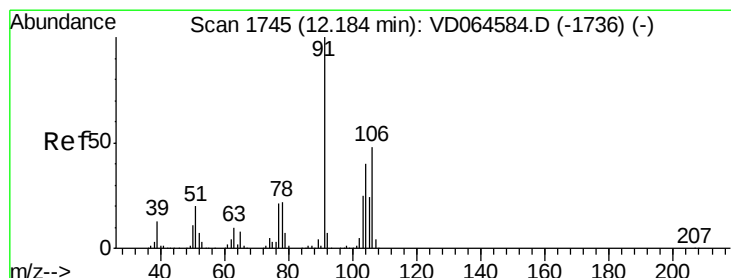
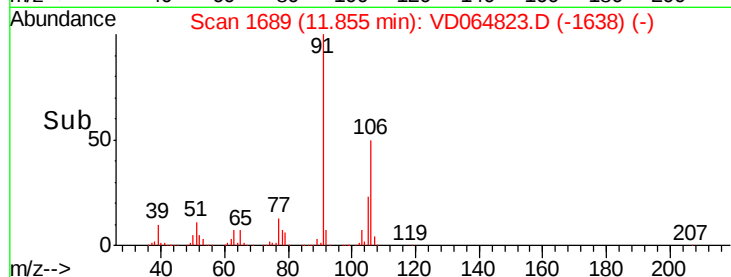
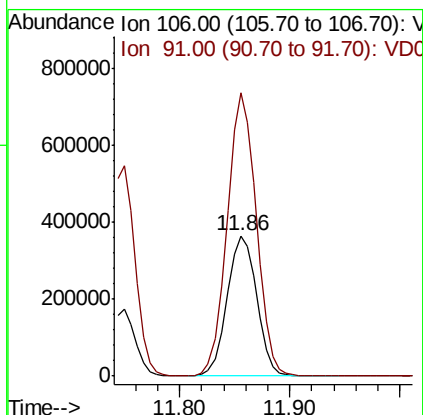
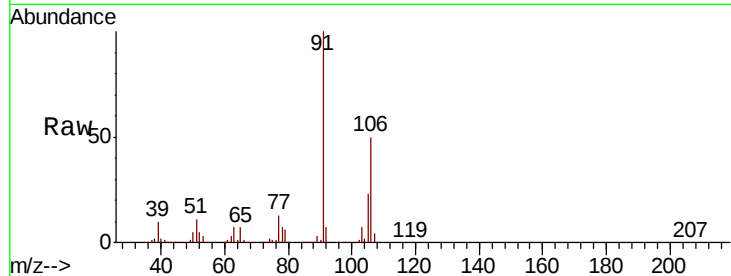




#68
m/p-Xylenes
Concen: 42.860 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

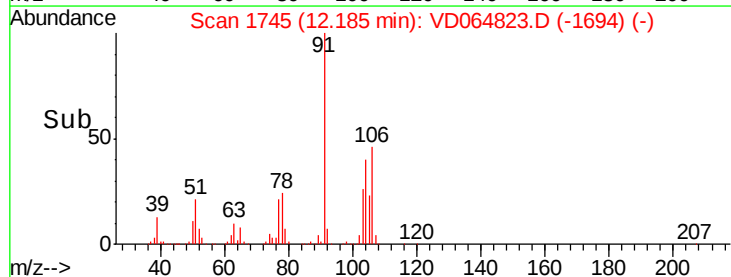
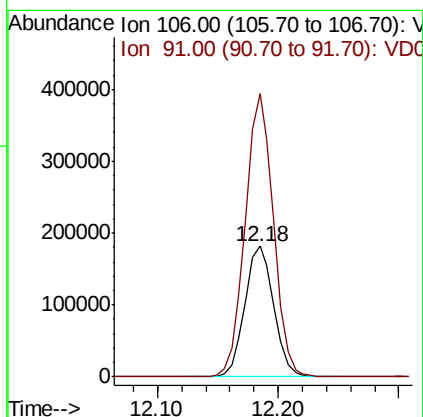
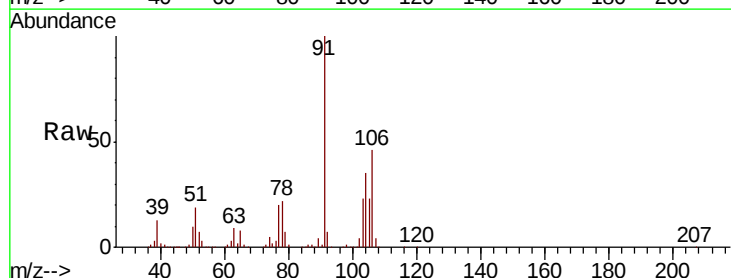
Instrument :
MSVOA_D
ClientSampleId :

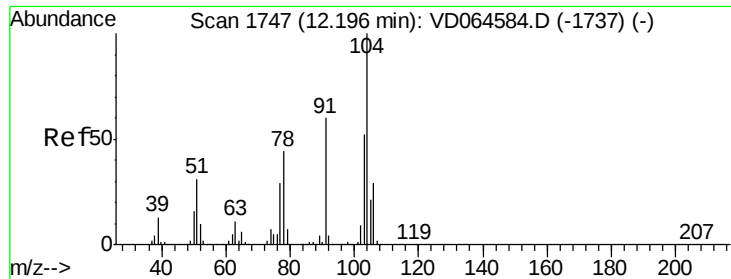
Tot Ion:106 Resp: 684962
Ion Ratio Lower Upper
106 100
91 198.9 156.3 234.5



#69
o-Xylene
Concen: 20.997 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion:106 Resp: 303104
Ion Ratio Lower Upper
106 100
91 212.1 104.8 314.4

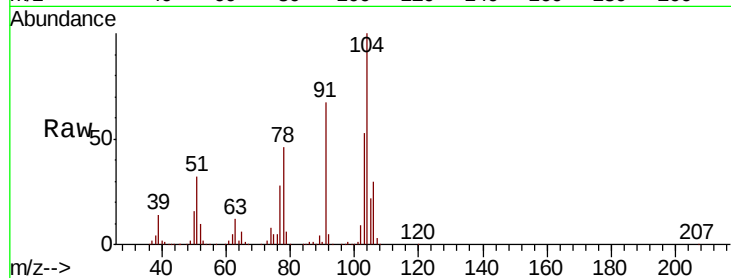




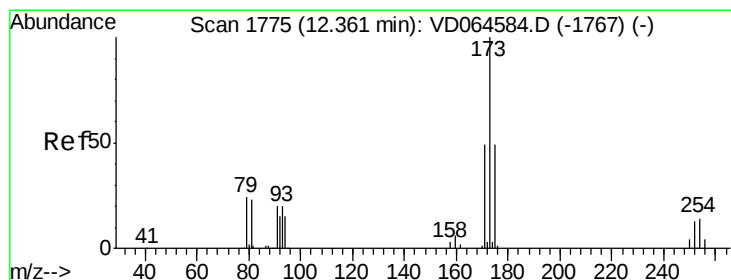
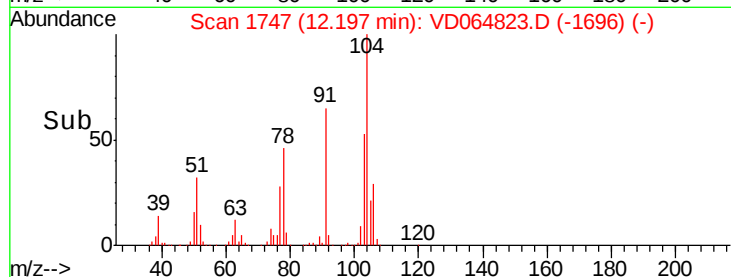
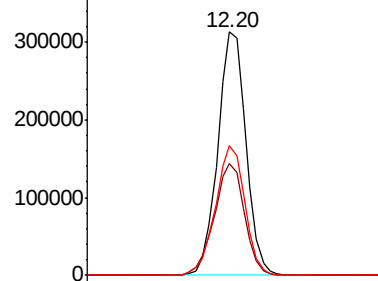
#70
Stvrene
Concen: 20.931 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:104 Resp: 530340
Ion Ratio Lower Upper
104 100
78 49.0 38.2 57.2
103 55.7 44.6 67.0

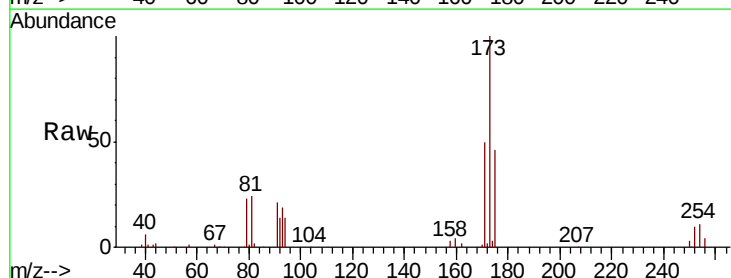


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

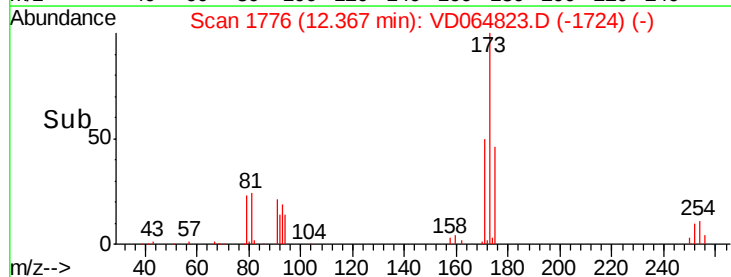
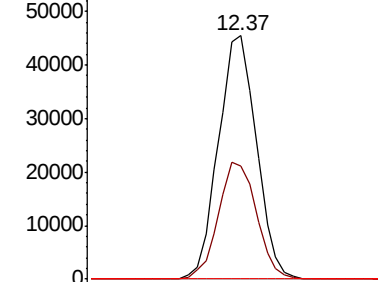


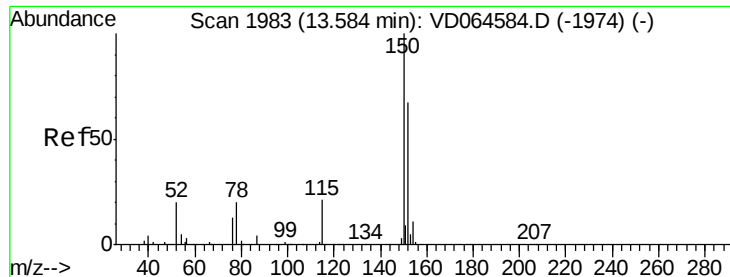
#71
Bromoform
Concen: 16.347 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion:173 Resp: 80168
Ion Ratio Lower Upper
173 100
175 48.1 24.6 73.8
254 0.0 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

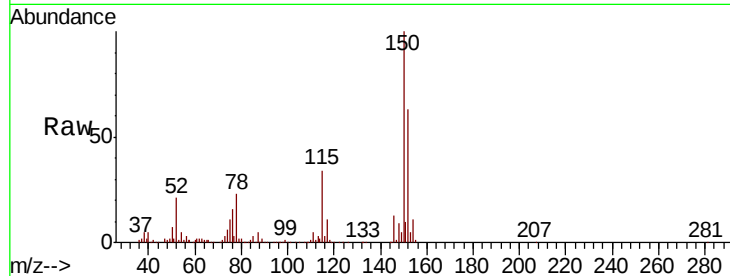
Tot Ion:152 Resp: 525420

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

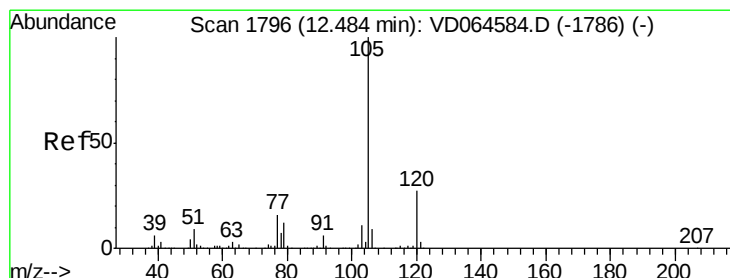
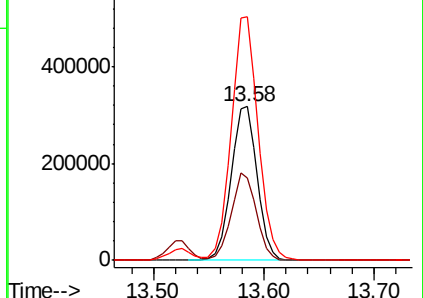
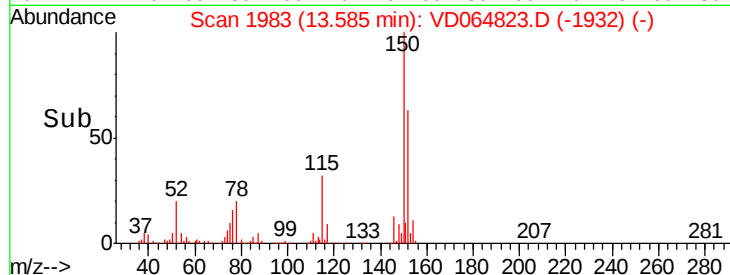
150 163.5 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 22.228 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064823.D

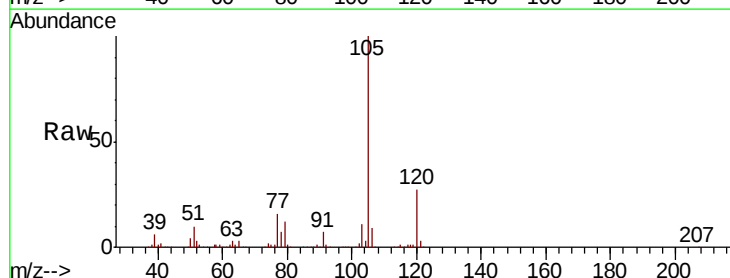
Acq: 09 Jan 2020 18:25

Tgt Ion:105 Resp: 834592

Ion Ratio Lower Upper

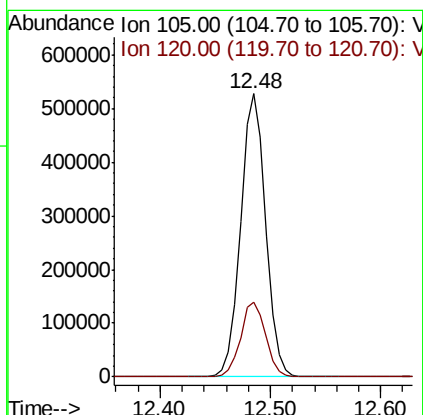
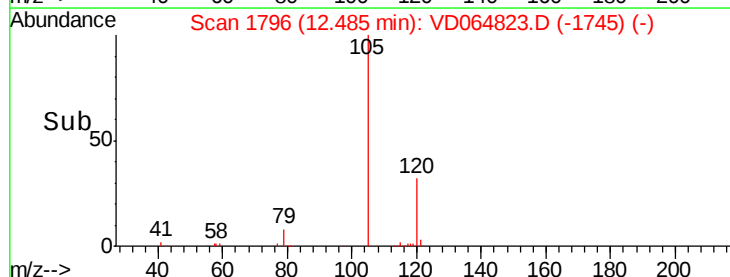
105 100

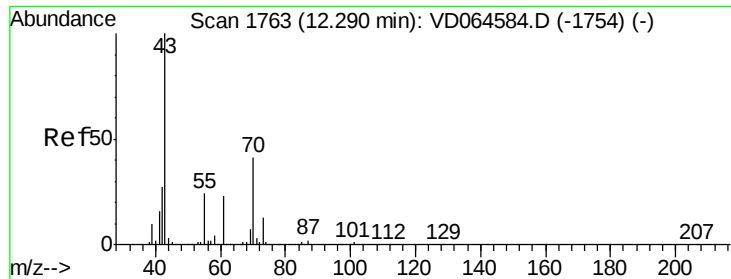
120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.610 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 12925

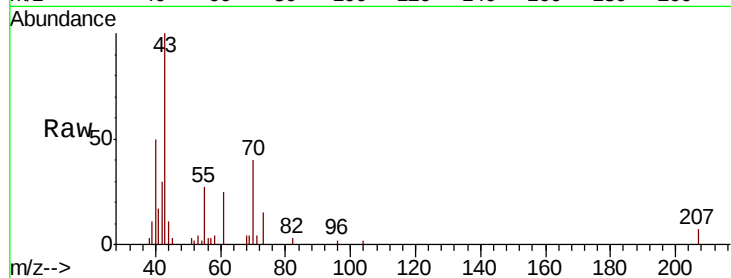
Ion Ratio Lower Upper

43 100

70 37.8 33.4 50.0

55 31.4 19.4 29.0#

61 22.3 18.3 27.5

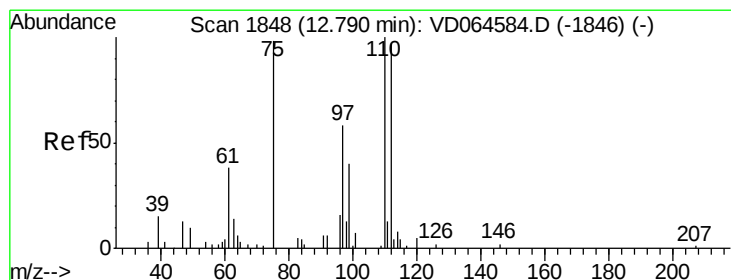
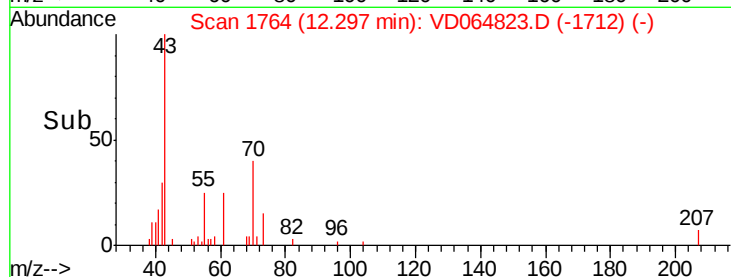
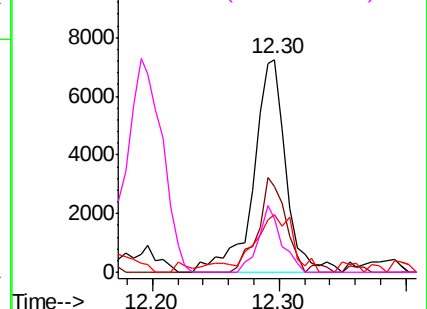


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 33.120 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064823.D

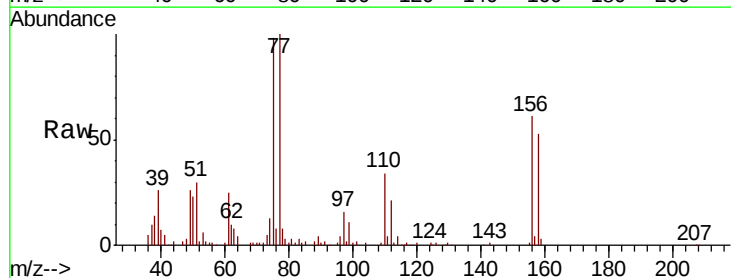
Acq: 09 Jan 2020 18:25

Tgt Ion: 75 Resp: 137416

Ion Ratio Lower Upper

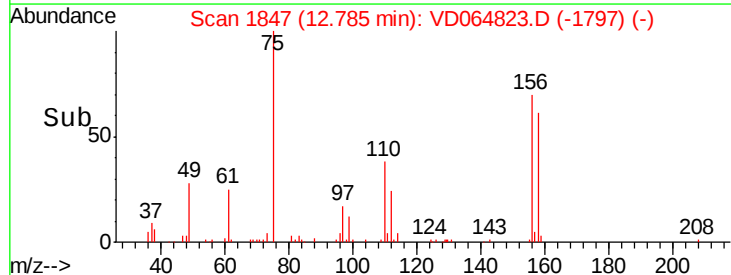
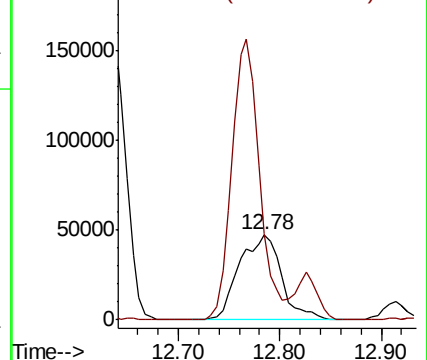
75 100

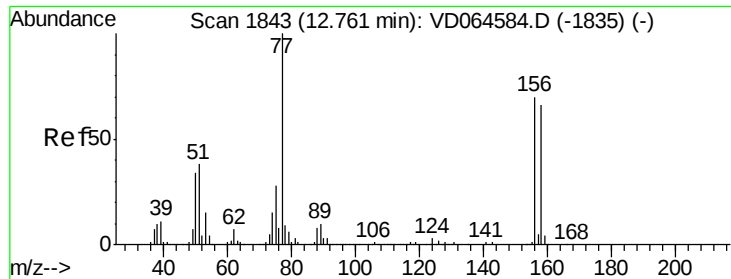
77 214.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.359 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

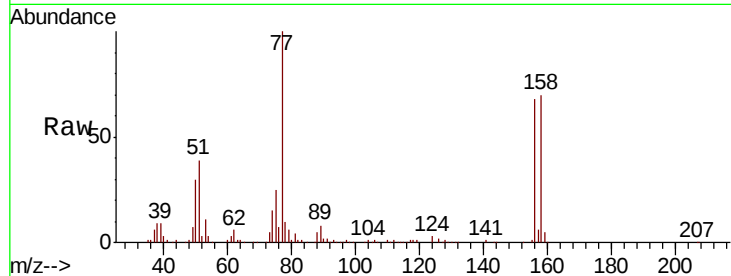
Tot Ion:156 Resp: 187833

Ion Ratio Lower Upper

156 100

77 156.9 80.9 242.7

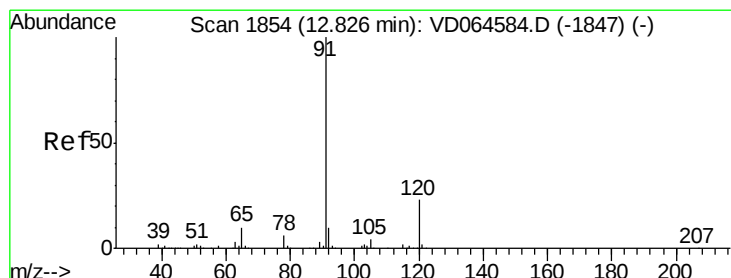
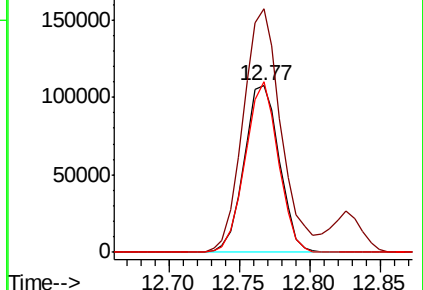
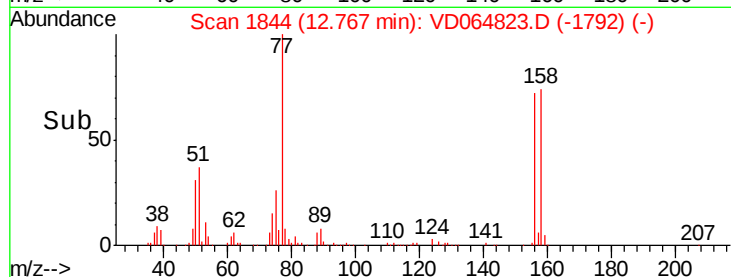
158 96.7 48.0 144.2



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: 22.254 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064823.D

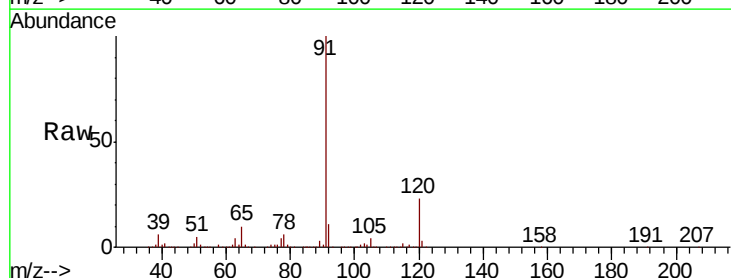
Acq: 09 Jan 2020 18:25

Tgt Ion: 91 Resp: 974816

Ion Ratio Lower Upper

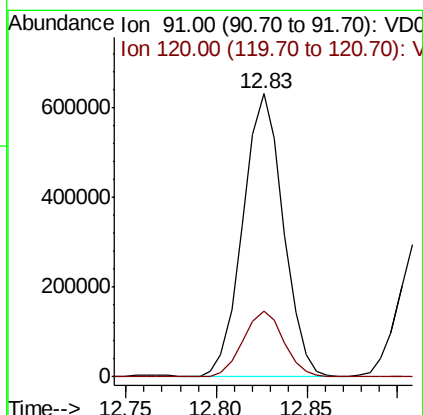
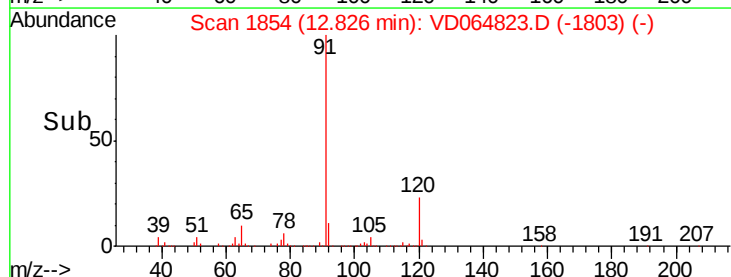
91 100

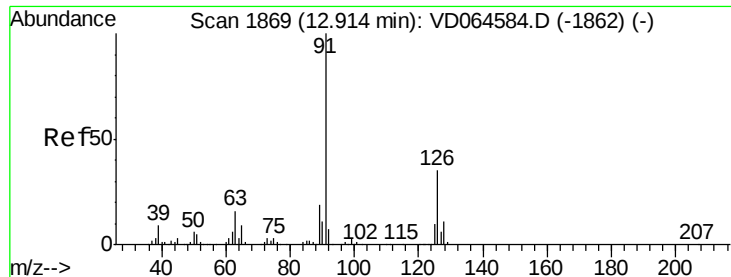
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.912 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

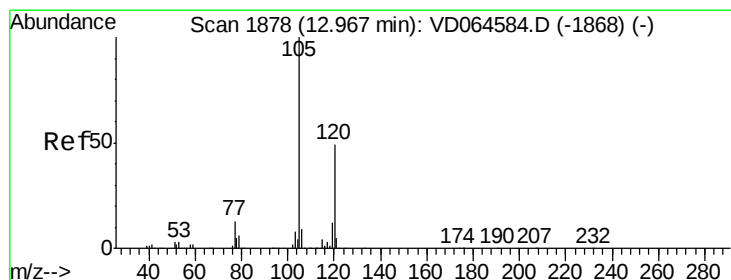
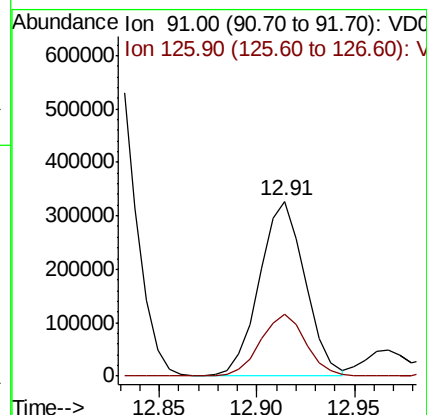
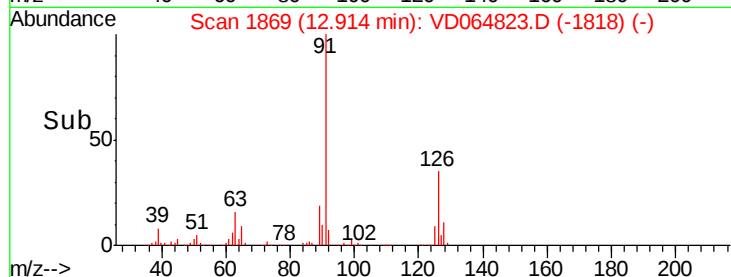
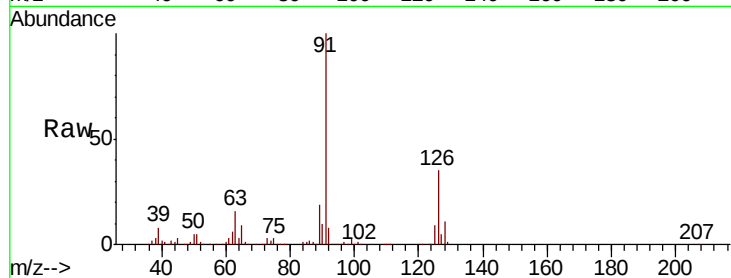
ClientSampleId :

Tot Ion: 91 Resp: 527273

Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 22.166 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064823.D

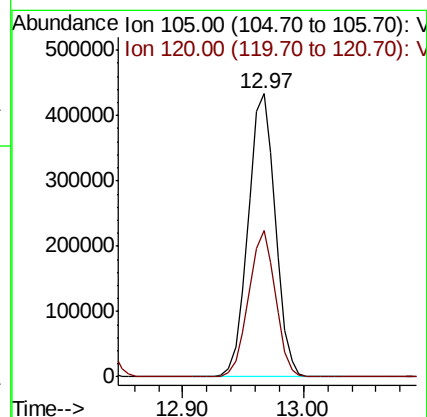
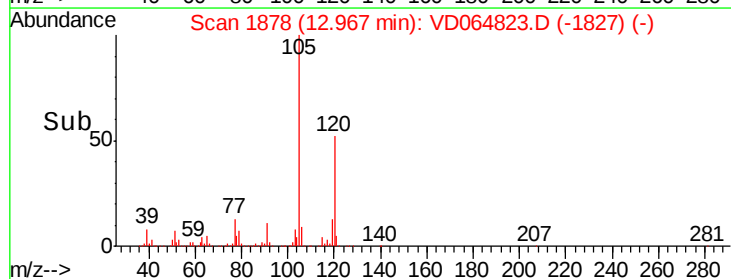
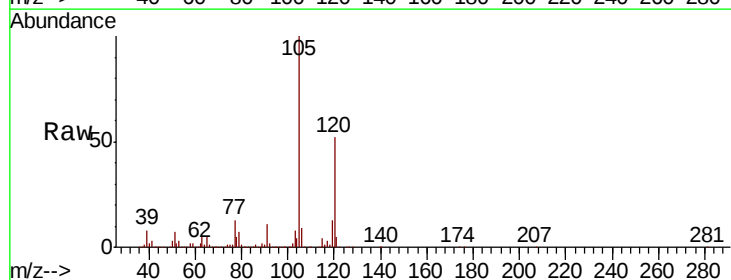
Acq: 09 Jan 2020 18:25

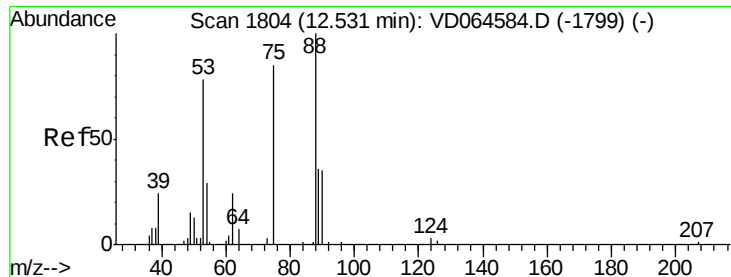
Tgt Ion: 105 Resp: 683691

Ion Ratio Lower Upper

105 100

120 50.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.653 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064823.D

Acq: 09 Jan 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

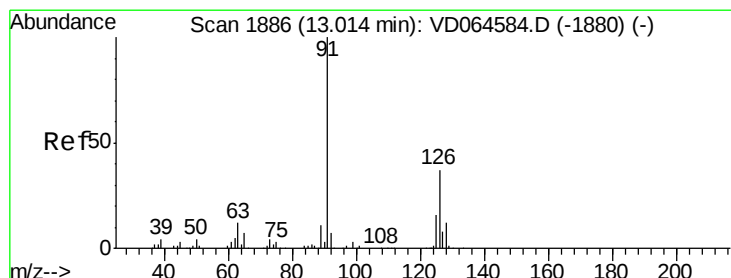
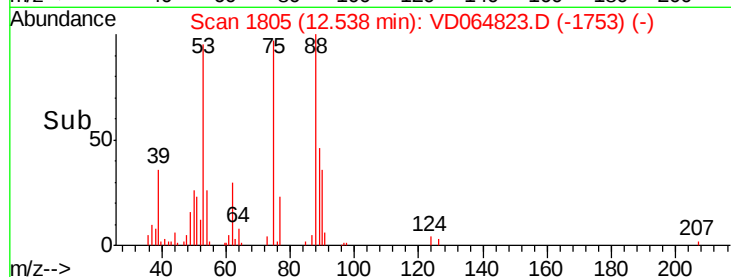
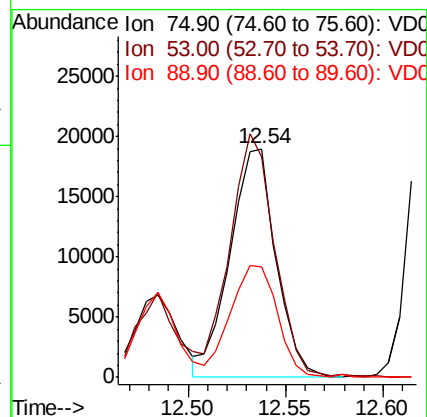
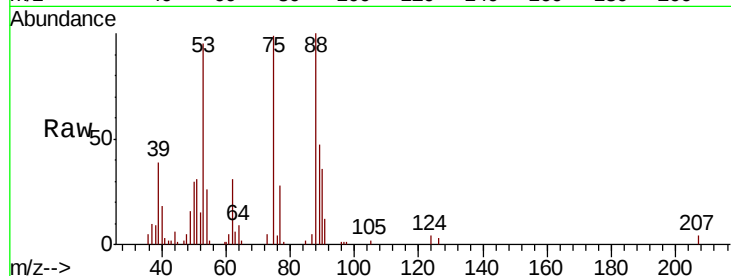
Tot Ion: 75 Resp: 31052

Ion Ratio Lower Upper

75 100

53 103.1 78.8 118.2

89 49.9 38.3 57.5



#82

4-Chlorotoluene

Concen: 21.856 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064823.D

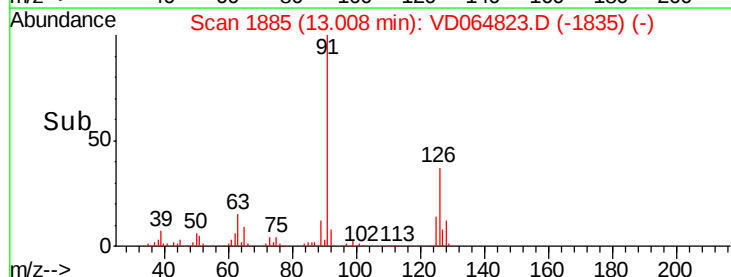
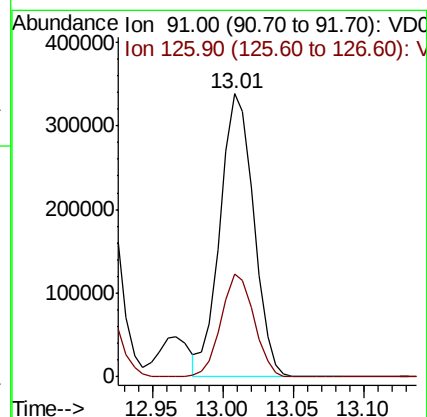
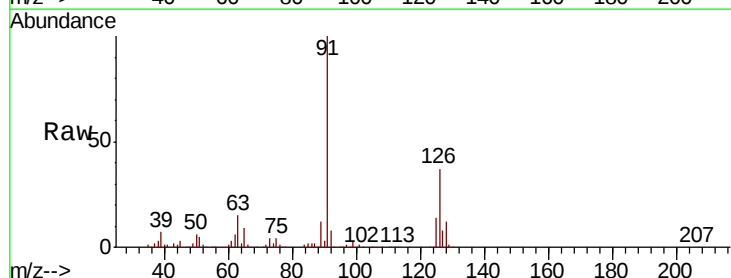
Acq: 09 Jan 2020 18:25

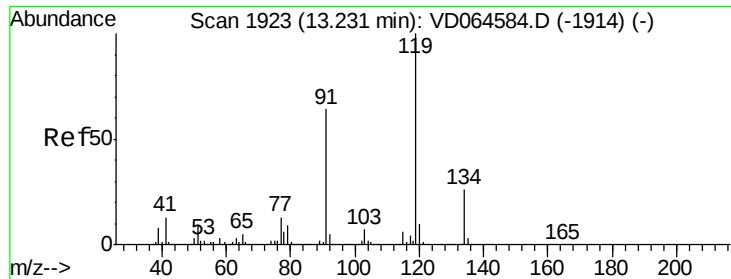
Tgt Ion: 91 Resp: 559680

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5

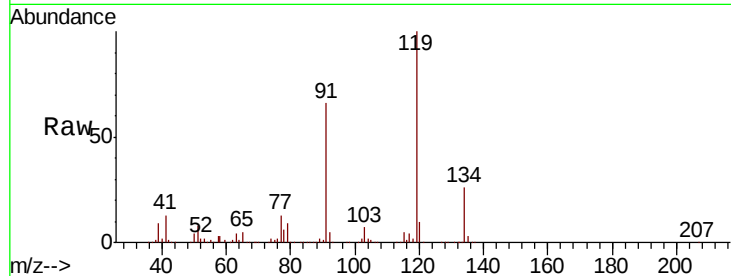




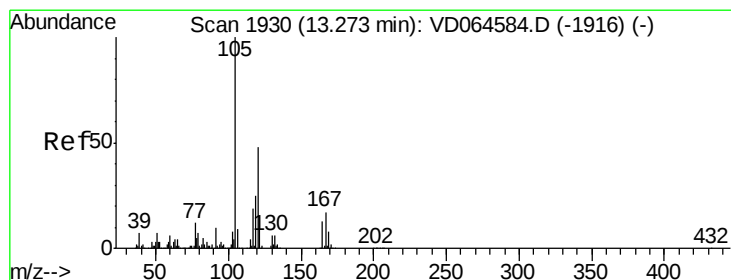
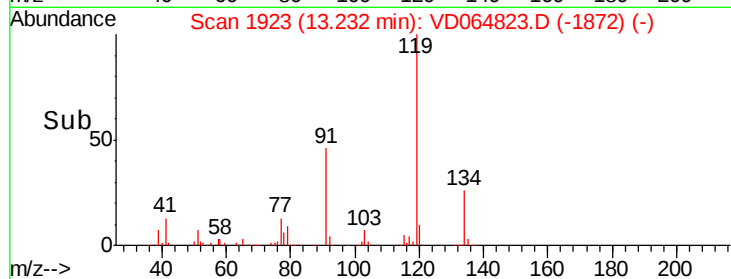
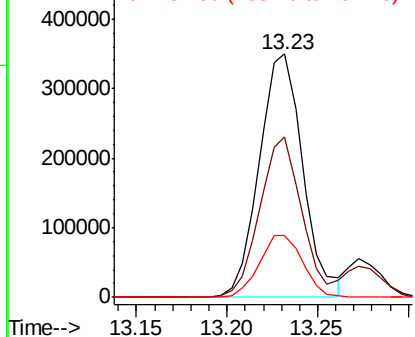
#83
tert-Butylbenzene
Concen: 21.856 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 585309
Ion Ratio Lower Upper
119 100
91 62.9 30.8 92.4
134 25.4 12.8 38.3

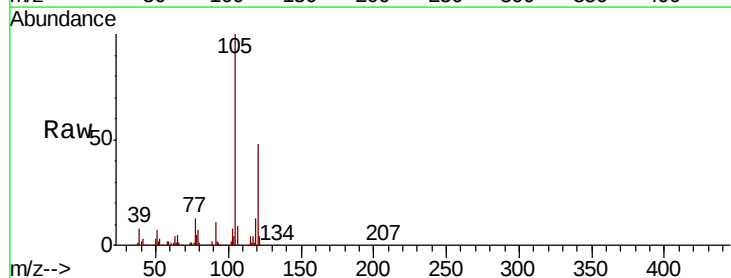


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

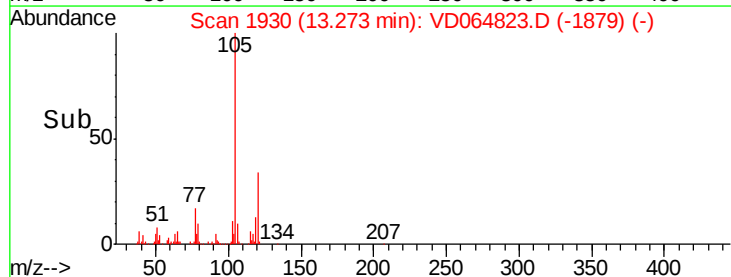
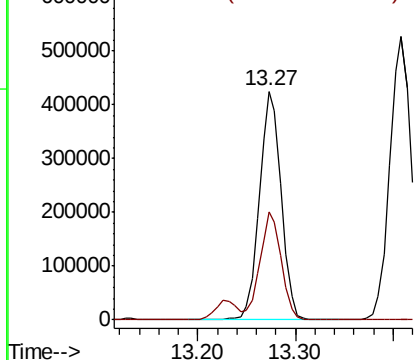


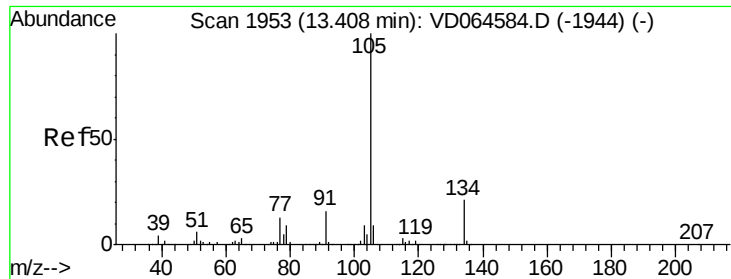
#84
1,2,4-Trimethylbenzene
Concen: 21.756 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion:105 Resp: 668308
Ion Ratio Lower Upper
105 100
120 46.7 23.8 71.2



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

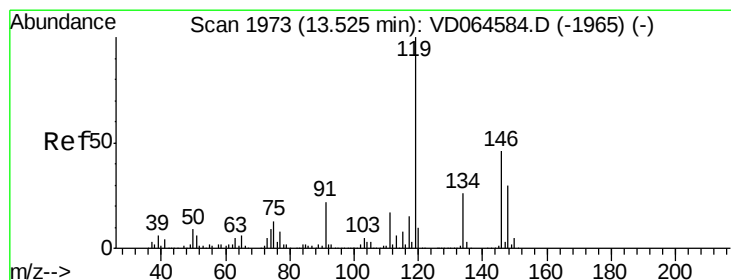
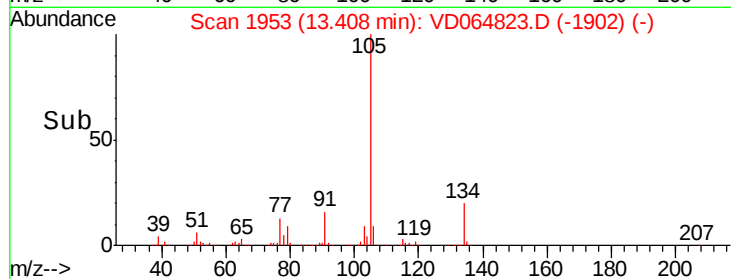
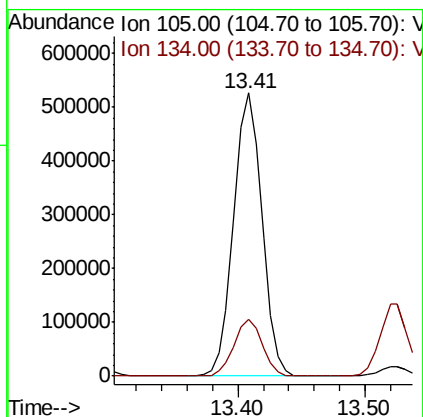
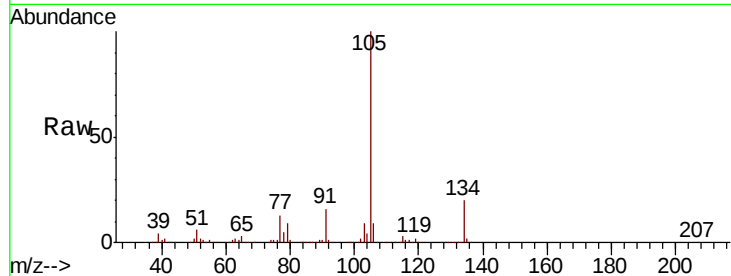




#85
 sec-Butylbenzene
 Concen: 22.161 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

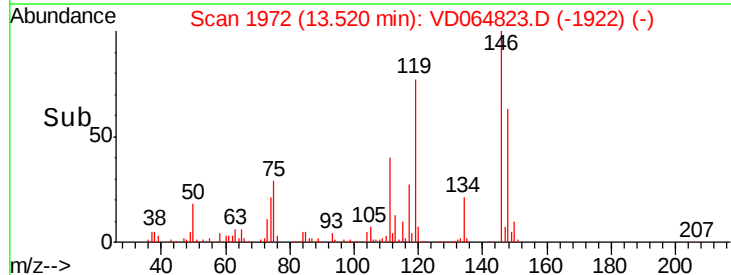
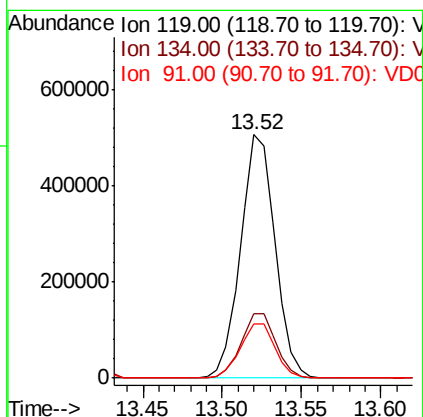
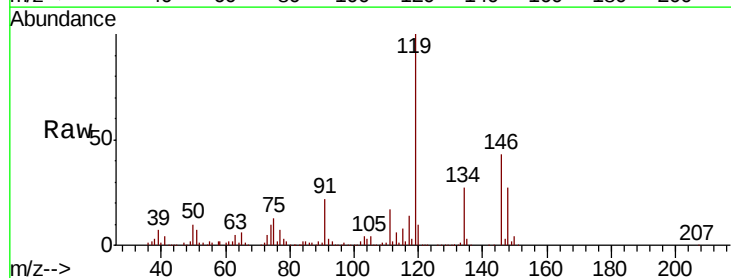
Instrument :
 MSVOA_D
 ClientSampleId :

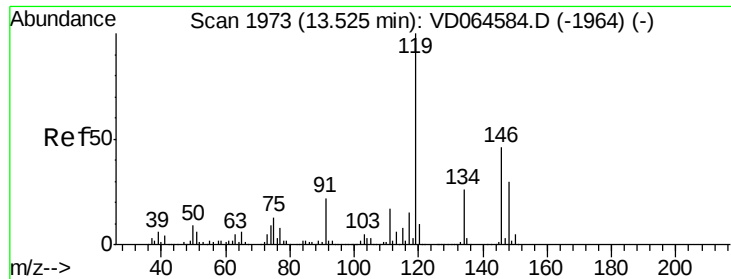
Tot Ion:105 Resp: 813618
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 21.761 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion:119 Resp: 763920
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.1
 91 22.9 11.2 33.6

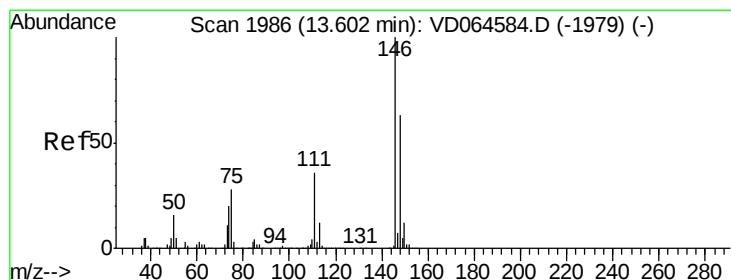
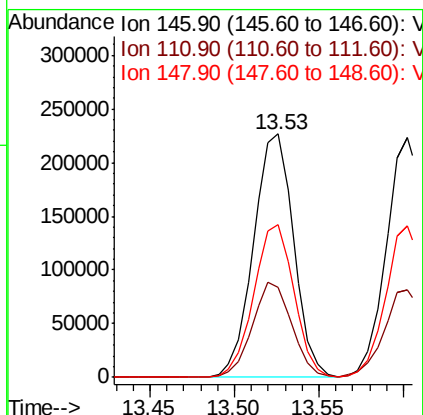
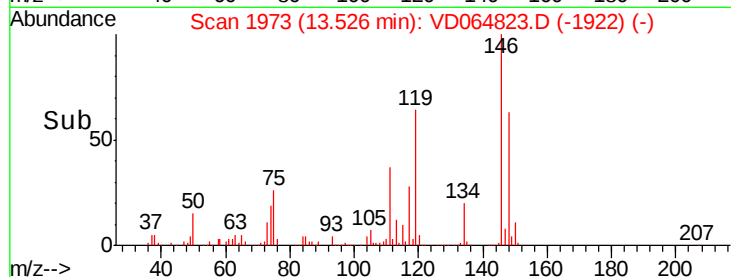
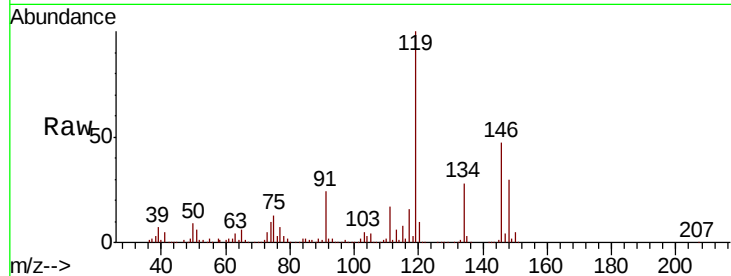




#87
 1,3-Dichlorobenzene
 Concen: 21.299 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

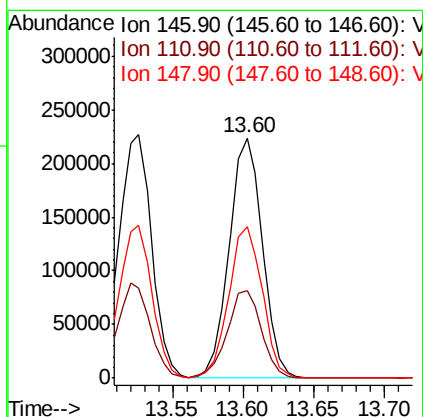
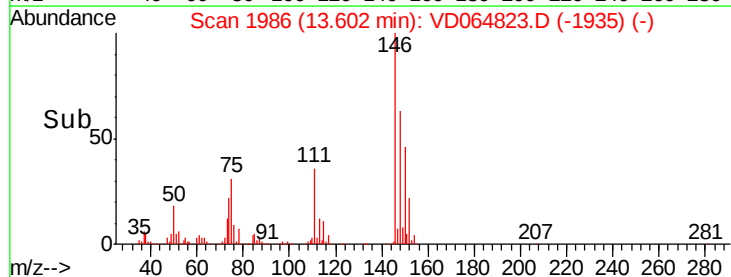
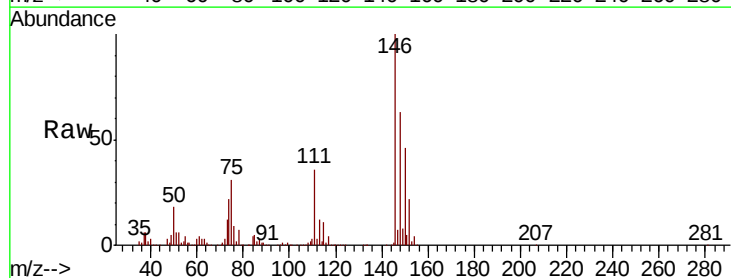
Instrument :
 MSVOA_D
 ClientSampleId :

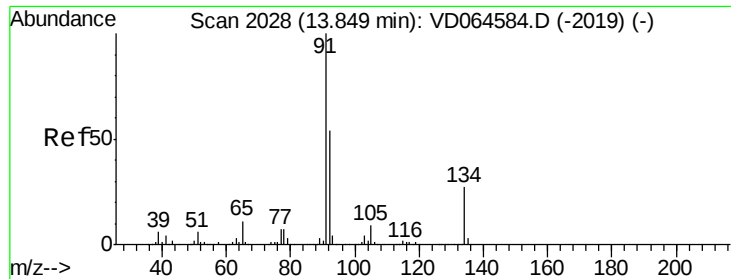
Tot Ion:146 Resp: 374602
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.8 56.4
 148 63.2 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 21.178 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion:146 Resp: 365913
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.1 54.1
 148 63.8 32.3 96.9

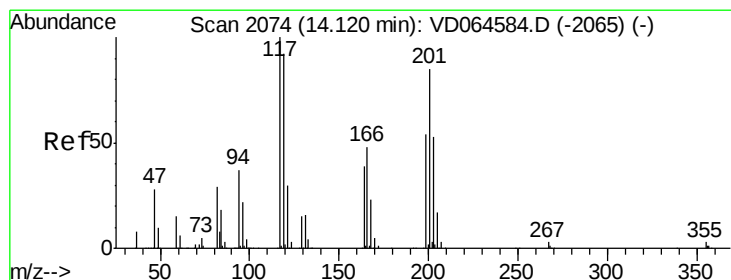
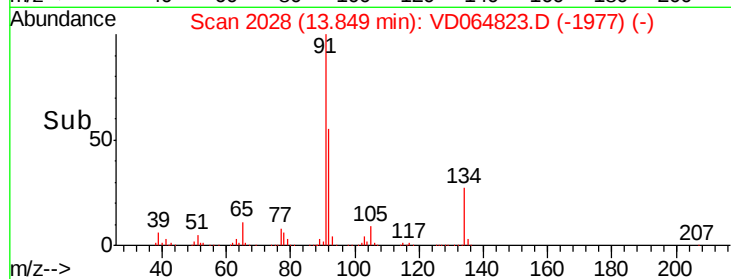
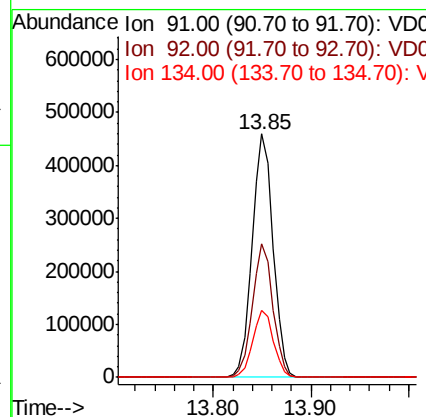
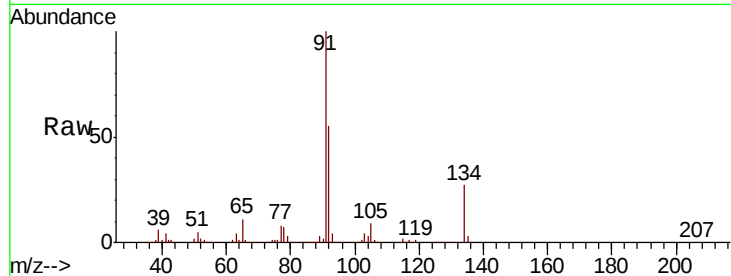




#89
n-Butylbenzene
Concen: 21.606 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

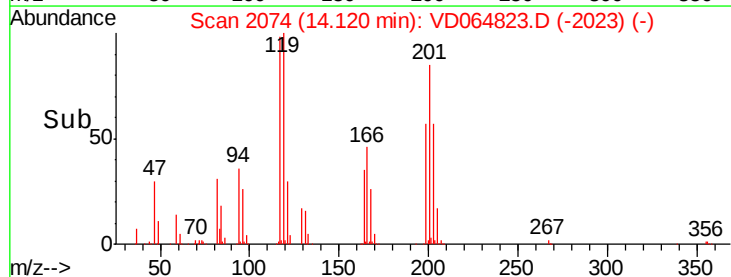
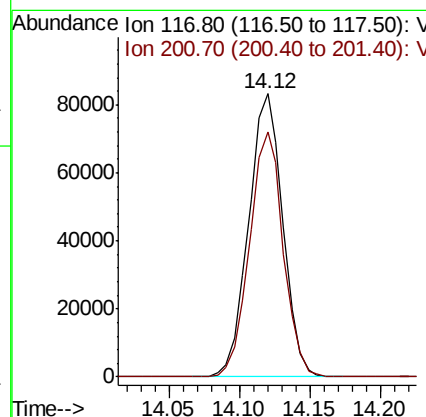
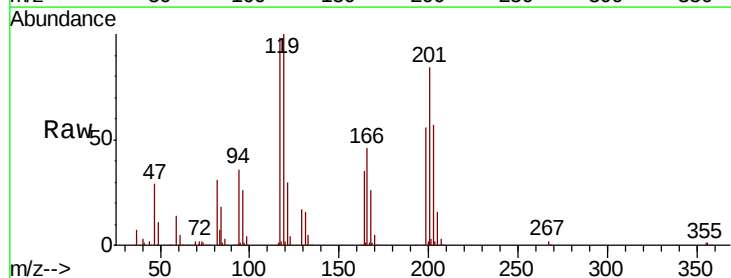
Instrument :
MSVOA_D
ClientSampleId :

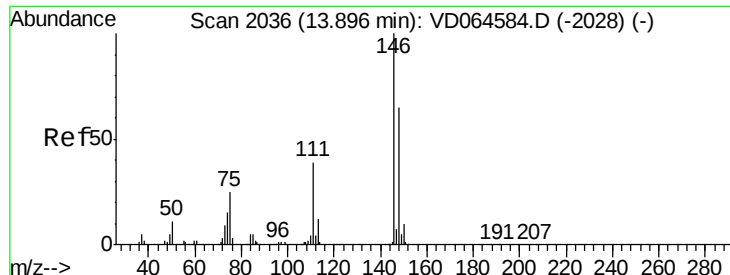
Tot Ion: 91 Resp: 683048
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.4
134 27.1 14.0 41.9



#90
Hexachloroethane
Concen: 21.041 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion: 117 Resp: 141101
Ion Ratio Lower Upper
117 100
201 85.3 44.0 131.8

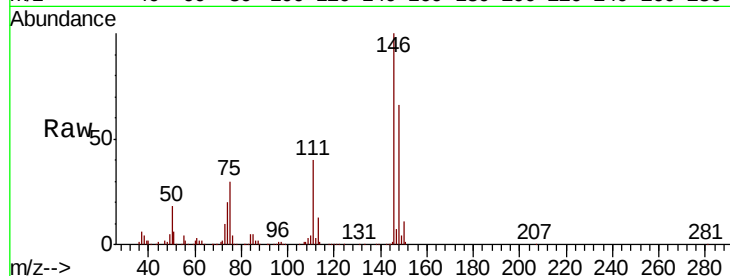




#91
 1,2-Dichlorobenzene
 Concen: 20.140 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.9
148	65.0	31.9	95.5

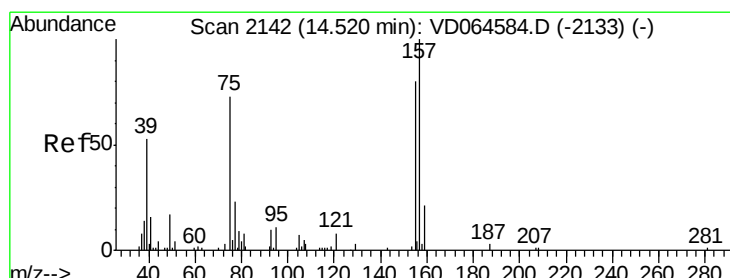
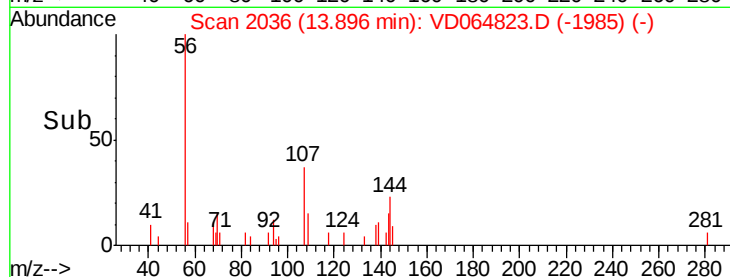
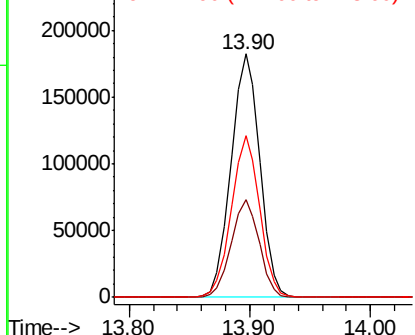


Abundance

Ion 145.90 (145.60 to 146.60): V

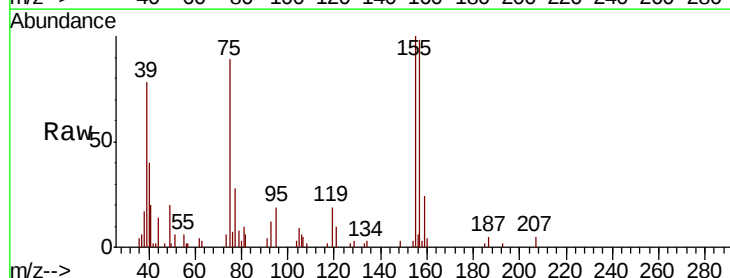
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.091 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	48.0	144.0
157	116.4	64.1	192.3

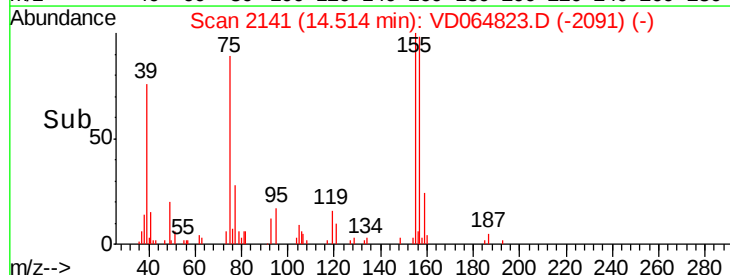
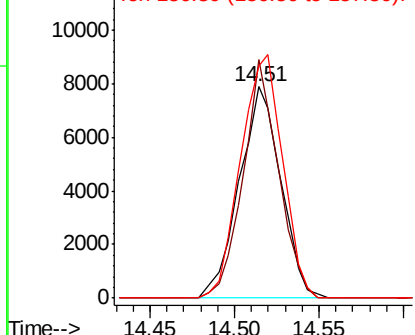


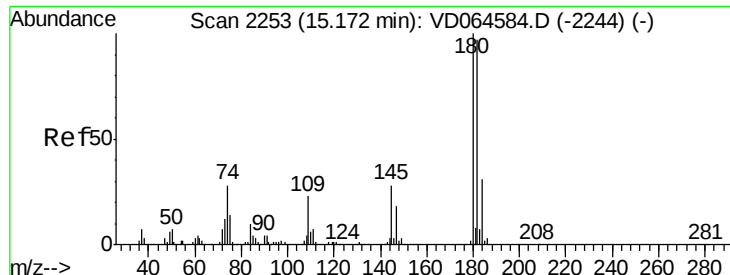
Abundance

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

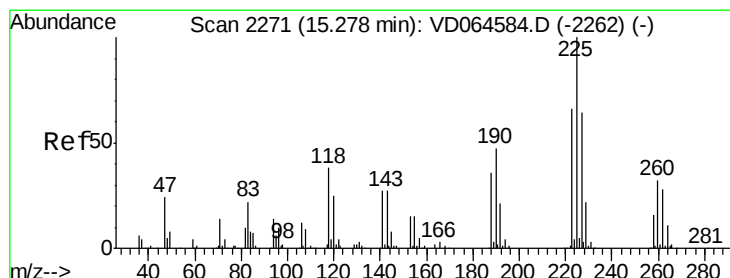
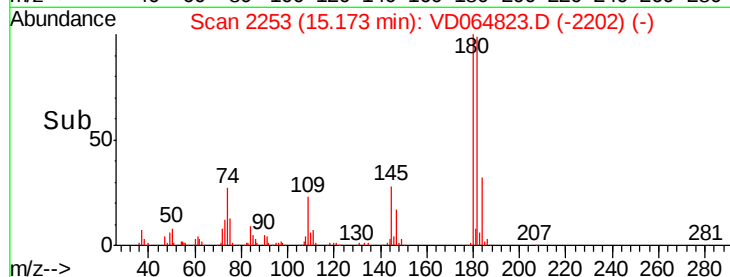
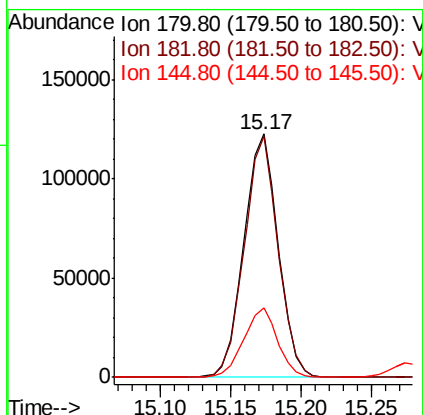
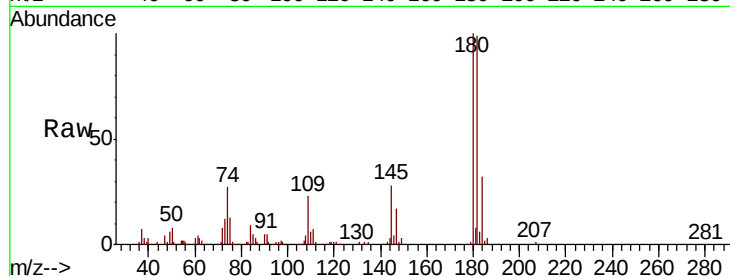




#93
 1,2,4-Trichlorobenzene
 Concen: 18.905 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

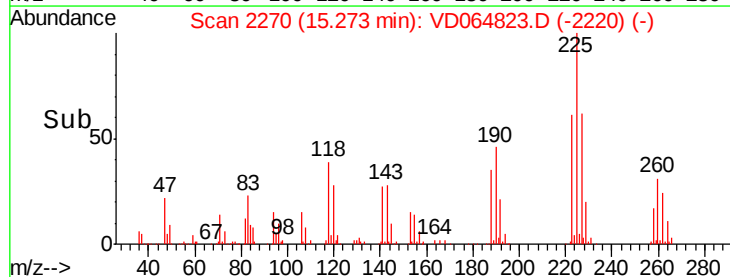
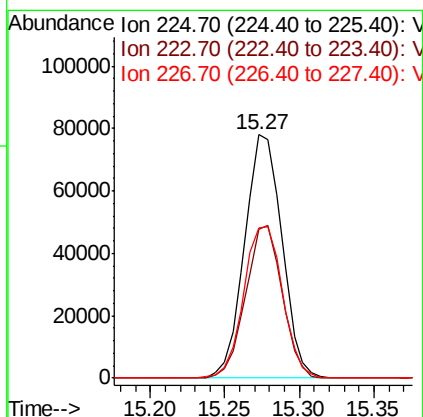
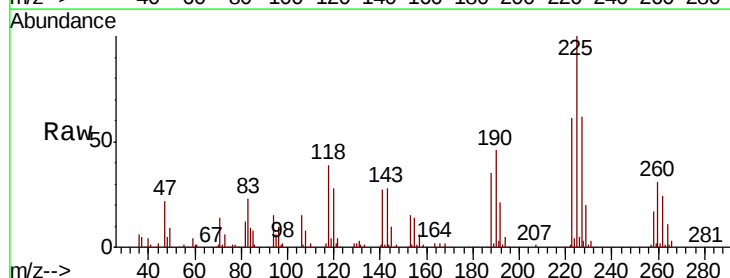
Instrument :
 MSVOA_D
 ClientSampleId :

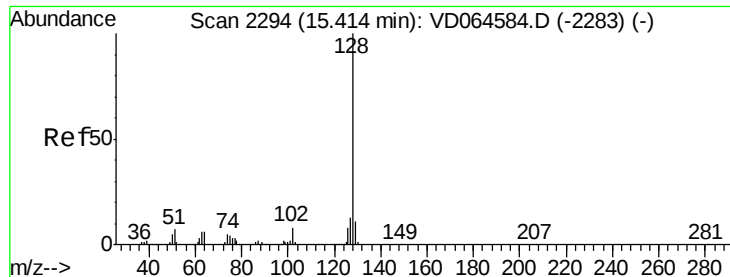
Tot Ion:180 Resp: 208763
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.0 144.2
 145 28.2 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 19.454 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD064823.D
 Acq: 09 Jan 2020 18:25

Tgt Ion:225 Resp: 135186
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.1 93.2
 227 64.5 30.9 92.7

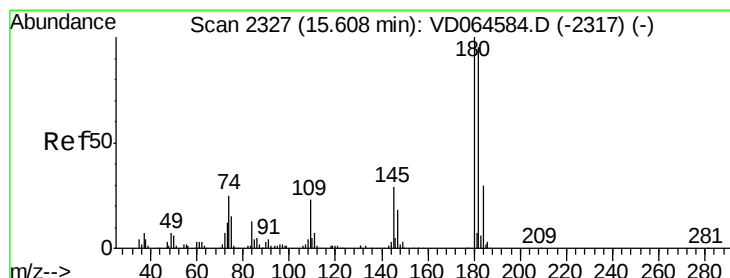
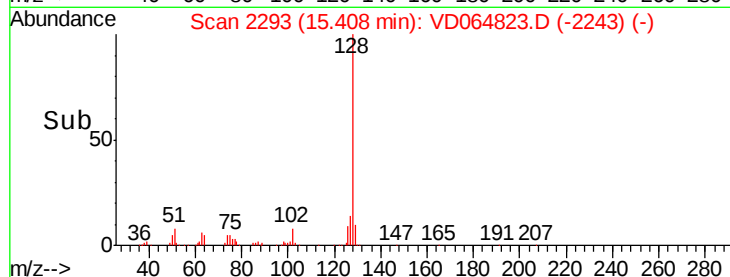
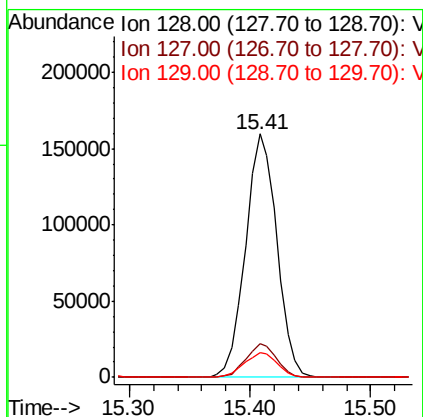
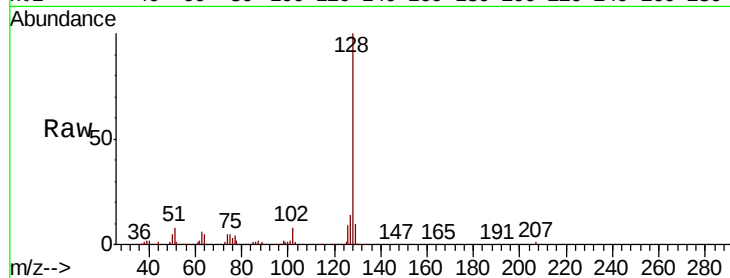




#95
Naphthalene
Concen: 16.591 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 289830
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.061 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064823.D
Acq: 09 Jan 2020 18:25

Tgt Ion:180 Resp: 170261
Ion Ratio Lower Upper
180 100
182 96.8 47.9 143.7
145 31.1 14.9 44.7

