

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
 Data File : VD065412.D
 Acq On : 04 Mar 2020 15:30
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 04 16:01:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	519586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	755497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	677436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	84345	18.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.64%	
35) Dibromofluoromethane	7.92	113	90007	19.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.42%	
50) Toluene-d8	10.34	98	347059	19.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.58%	
62) 4-Bromofluorobenzene	12.64	95	104658	18.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	95301	21.15	ug/l	99
3) Chloromethane	2.21	50	111906	20.73	ug/l	98
4) Vinyl Chloride	2.36	62	109192	20.46	ug/l	96
5) Bromomethane	2.77	94	67394	19.65	ug/l	99
6) Chloroethane	2.92	64	65368	20.07	ug/l	99
7) Trichlorofluoromethane	3.27	101	158405	20.13	ug/l	98
8) Diethyl Ether	3.70	74	45242	19.26	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100672	19.88	ug/l	98
10) Methyl Iodide	4.30	142	97803	18.70	ug/l	97
11) Tert butyl alcohol	5.26	59	21070	86.94	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	94973	19.60	ug/l	98
13) Acrolein	3.92	56	43552	98.50	ug/l	100
14) Allyl chloride	4.71	41	144291	19.33	ug/l	98
15) Acrylonitrile	5.43	53	90705	87.88	ug/l	97
16) Acetone	4.17	43	82637	90.41	ug/l	93
17) Carbon Disulfide	4.40	76	319407	19.74	ug/l	98
18) Methyl Acetate	4.73	43	41994	17.97	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	175539	18.64	ug/l	97
20) Methylene Chloride	4.96	84	106101	18.72	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	106088	19.63	ug/l	97
22) Diisopropyl ether	6.37	45	275743	19.68	ug/l	95
23) Vinyl Acetate	6.31	43	723835	93.17	ug/l	99
24) 1,1-Dichloroethane	6.26	63	176872	19.88	ug/l	97
25) 2-Butanone	7.22	43	109603	87.64	ug/l	96
26) 2,2-Dichloropropane	7.20	77	151651	19.50	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	107535	19.40	ug/l	98
28) Bromochloromethane	7.55	49	67864	18.80	ug/l	100
29) Tetrahydrofuran	7.57	42	70332	87.55	ug/l	97
30) Chloroform	7.71	83	172261	19.25	ug/l	94
31) Cyclohexane	7.98	56	173087	19.55	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	159823	19.46	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142700	19.64	ug/l	99
37) Ethyl Acetate	7.30	43	51299	18.04	ug/l	98
38) Carbon Tetrachloride	8.10	117	150628	20.08	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172694	19.89	ug/l	95
40) Benzene	8.35	78	400773	19.68	ug/l	99
41) Methacrylonitrile	7.52	41	29284	20.26	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	102318	19.09	ug/l	99
43) Isopropyl Acetate	8.46	43	96342	18.51	ug/l	97
44) Trichloroethene	9.11	130	114003	19.94	ug/l	98
45) 1,2-Dichloropropane	9.39	63	97506	19.71	ug/l	94
46) Dibromomethane	9.48	93	48839	18.99	ug/l	98
47) Bromodichloromethane	9.67	83	130808	19.59	ug/l	98
48) Methyl methacrylate	9.46	41	43932	17.84	ug/l	96
49) 1,4-Dioxane	9.47	88	10802	364.87	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	243123	92.37	ug/l	98
52) Toluene	10.41	92	251657	19.59	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	115197	18.34	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	145207	19.14	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	70403	19.36	ug/l	100
56) Ethyl methacrylate	10.67	69	74940	18.17	ug/l	99
57) 1,3-Dichloropropane	10.95	76	117528	19.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	120029	81.87	ug/l	99
59) 2-Hexanone	10.99	43	167155	91.61	ug/l	98
60) Dibromochloromethane	11.14	129	88114	18.81	ug/l	100
61) 1,2-Dibromoethane	11.25	107	65770	18.93	ug/l	97
64) Tetrachloroethene	10.88	164	98763	20.30	ug/l	99
65) Chlorobenzene	11.67	112	264701	19.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	97044	19.72	ug/l	99
67) Ethyl Benzene	11.75	91	461684	19.87	ug/l	99
68) m/p-Xylenes	11.86	106	361858	40.40	ug/l	97
69) o-Xylene	12.19	106	156691	19.89	ug/l	100
70) Styrene	12.20	104	282995	20.37	ug/l	98
71) Bromoform	12.37	173	52624	18.96	ug/l #	98
73) Isopropylbenzene	12.49	105	435691	19.87	ug/l	100
74) N-amyl acetate	12.30	43	82002	18.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	72952	18.76	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	93310	20.24	ug/l #	100
77) Bromobenzene	12.77	156	105527	19.20	ug/l	99
78) n-propylbenzene	12.83	91	522145	20.01	ug/l	99
79) 2-Chlorotoluene	12.91	91	293598	20.00	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	360491	19.97	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23437	18.74	ug/l	98
82) 4-Chlorotoluene	13.01	91	309958	20.03	ug/l	100
83) tert-Butylbenzene	13.23	119	299072	19.63	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	359642	20.19	ug/l	99
85) sec-Butylbenzene	13.41	105	429200	19.73	ug/l	99
86) p-Isopropyltoluene	13.53	119	400227	20.16	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	208033	19.82	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	205258	19.60	ug/l	99
89) n-Butylbenzene	13.86	91	360953	19.70	ug/l	100
90) Hexachloroethane	14.12	117	78383	19.12	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	173589	19.29	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10049	16.83	ug/l	95

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Quant Title : SW846 8260
QLast Update : Wed Mar 04 15:55:15 2020
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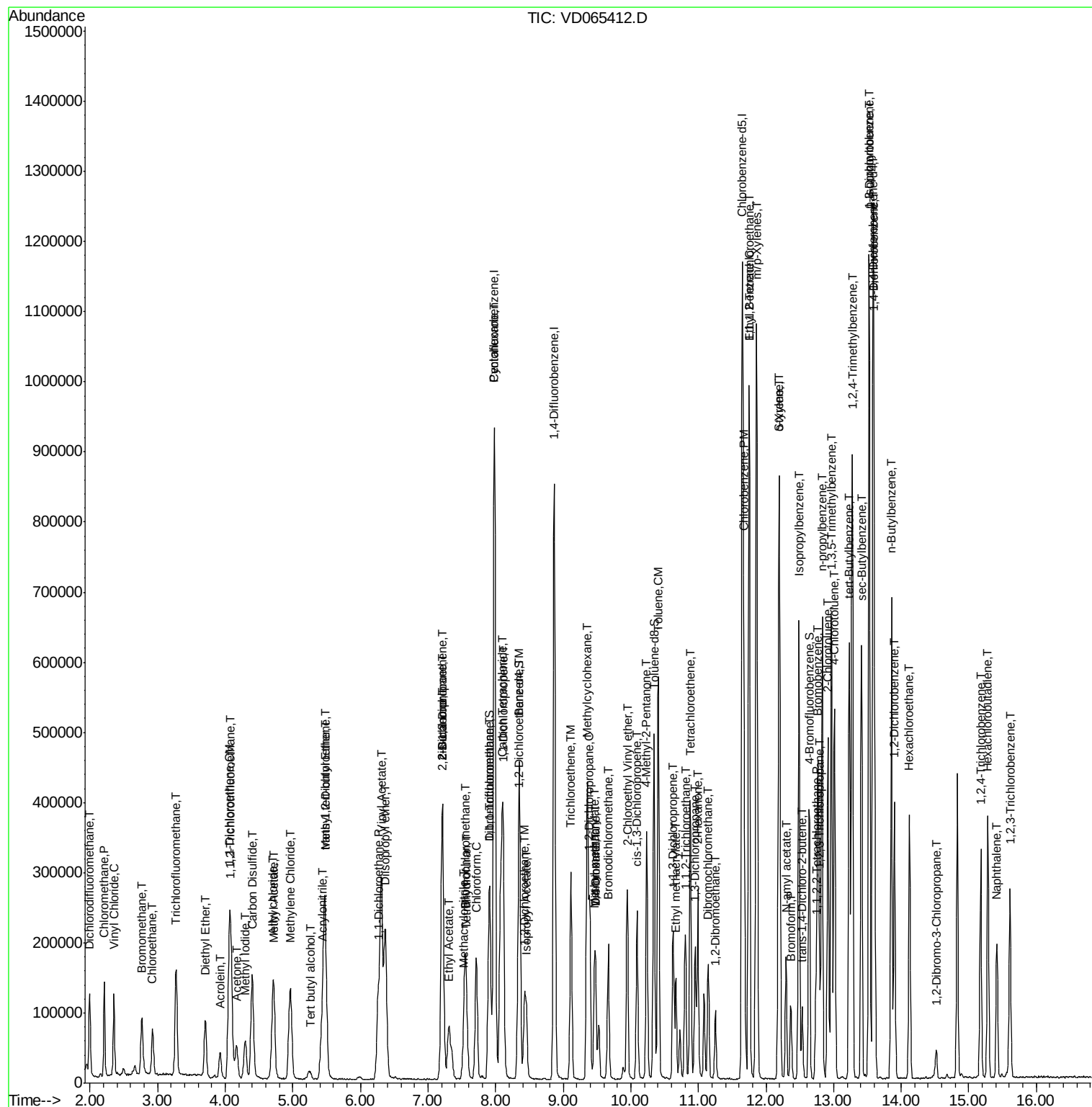
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	117696	19.44	ug/l	98
94) Hexachlorobutadiene	15.28	225	77614	19.60	ug/l	97
95) Naphthalene	15.41	128	173664	17.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	100507	19.11	ug/l	98

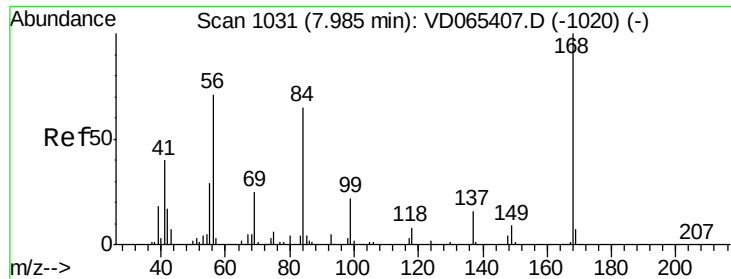
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
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QLast Update : Wed Mar 04 15:55:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

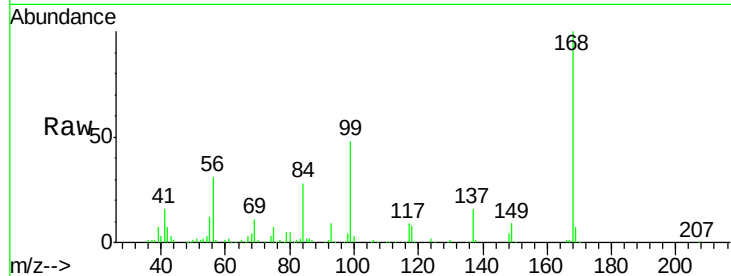
VSTDIC020

Tgt Ion:168 Resp: 519586

Ion Ratio Lower Upper

168 100

99 48.1 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

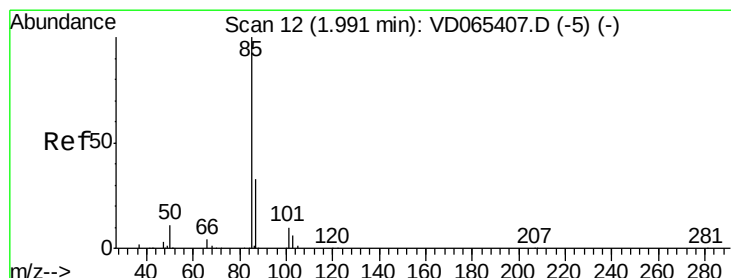
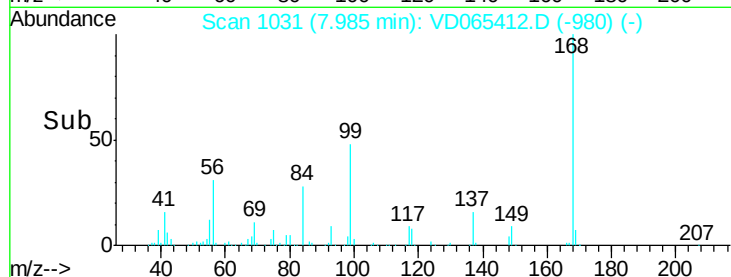
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.15 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065412.D

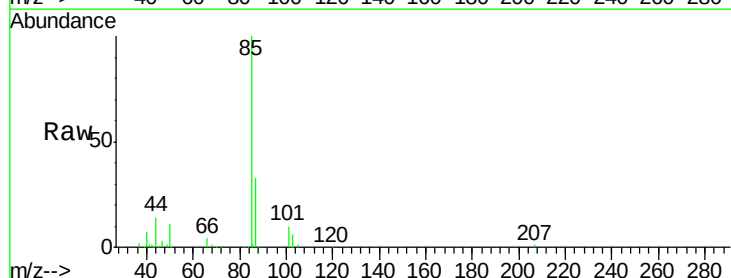
Acq: 04 Mar 2020 15:30

Tgt Ion: 85 Resp: 95301

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

40000

20000

0

1.90

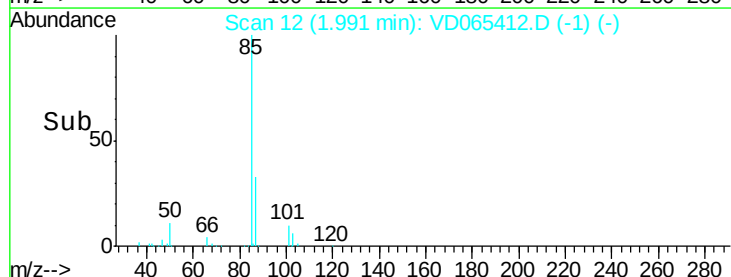
1.95

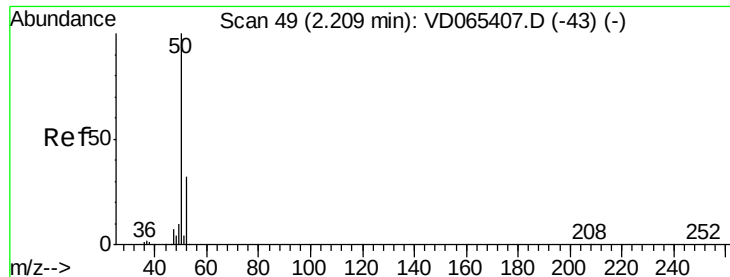
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 20.73 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

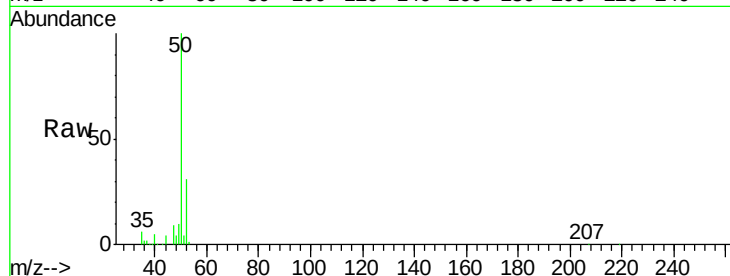
VSTDIC020

Tgt Ion: 50 Resp: 111906

Ion Ratio Lower Upper

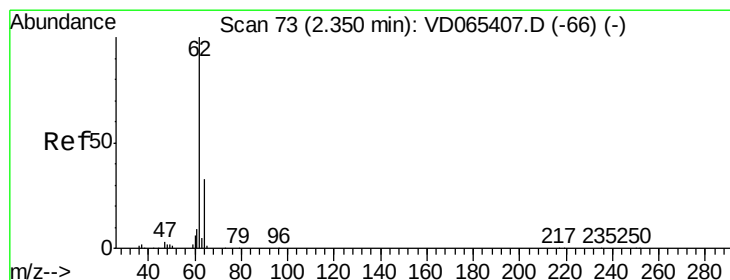
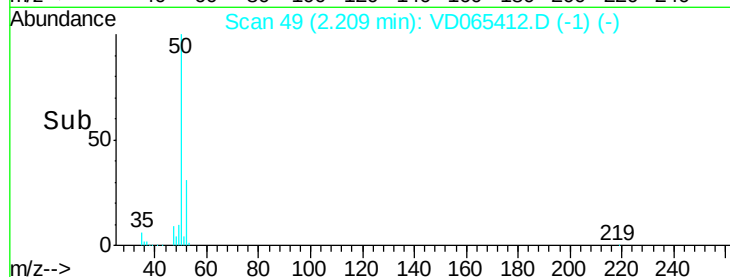
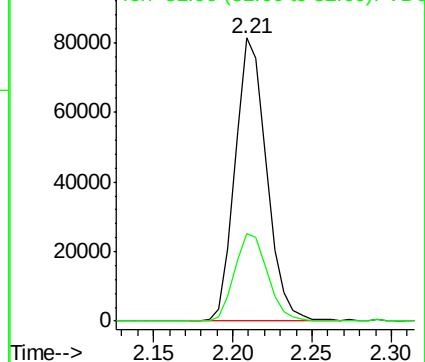
50 100

52 31.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.46 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065412.D

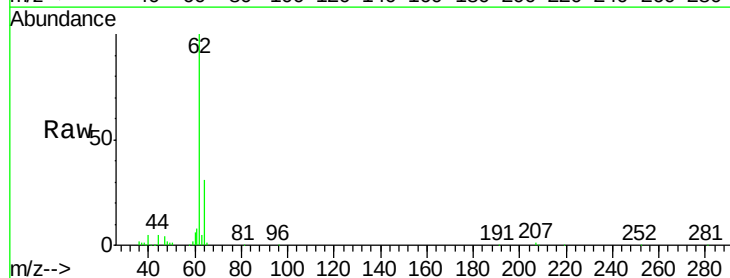
Acq: 04 Mar 2020 15:30

Tgt Ion: 62 Resp: 109192

Ion Ratio Lower Upper

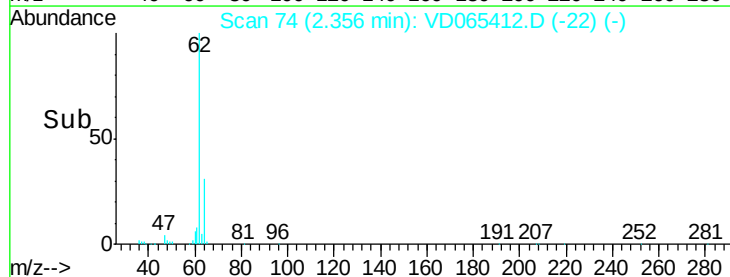
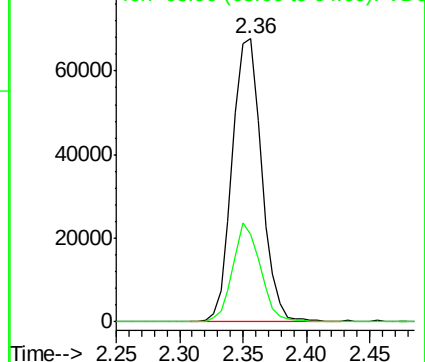
62 100

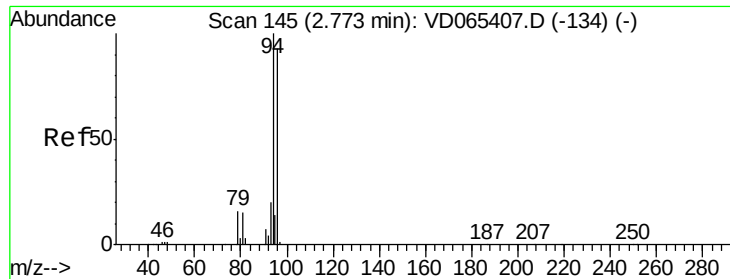
64 30.8 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.65 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

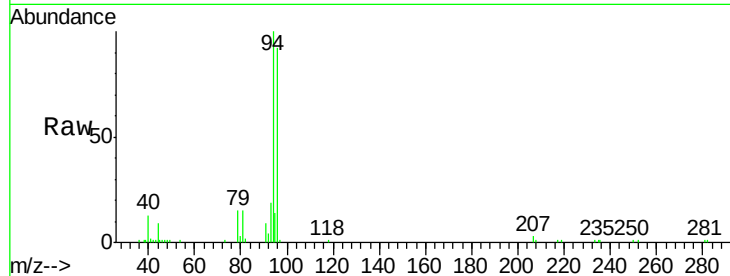
VSTDIC020

Tgt Ion: 94 Resp: 67394

Ion Ratio Lower Upper

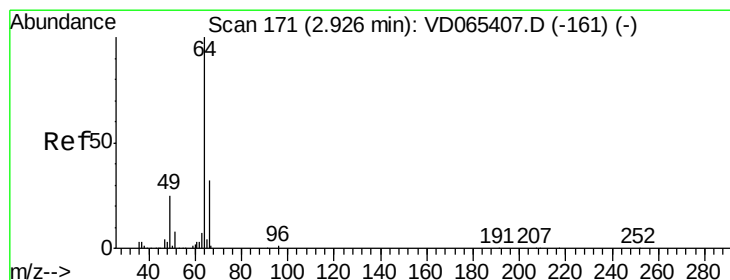
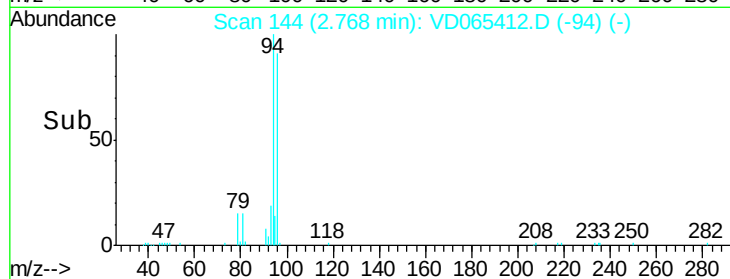
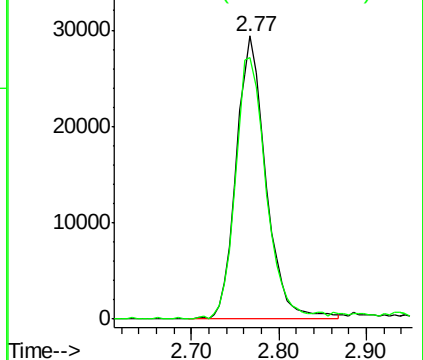
94 100

96 92.2 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.07 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065412.D

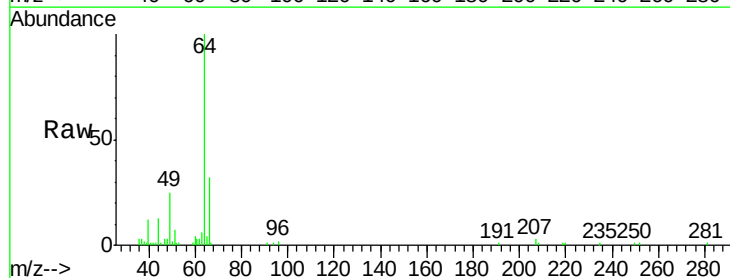
Acq: 04 Mar 2020 15:30

Tgt Ion: 64 Resp: 65368

Ion Ratio Lower Upper

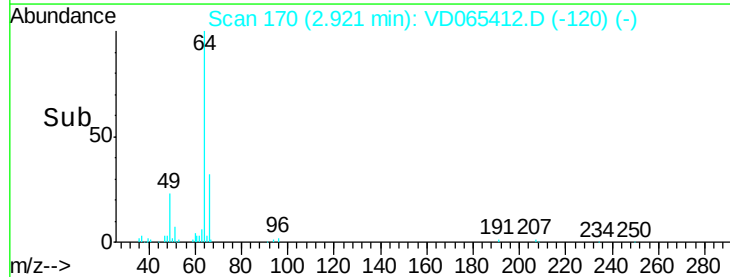
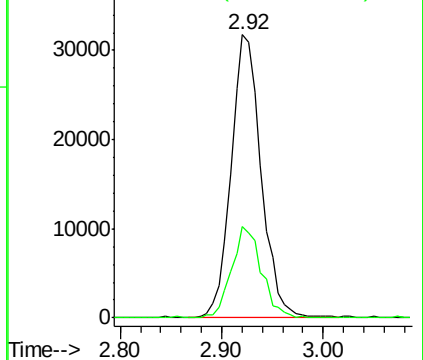
64 100

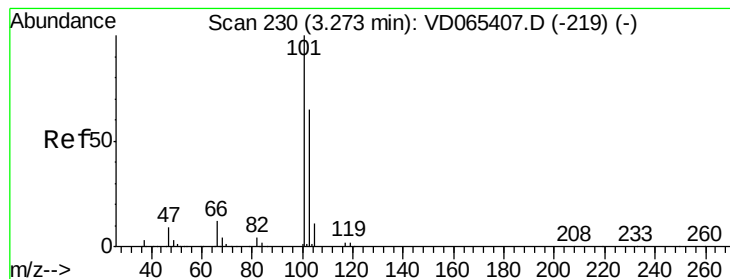
66 32.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



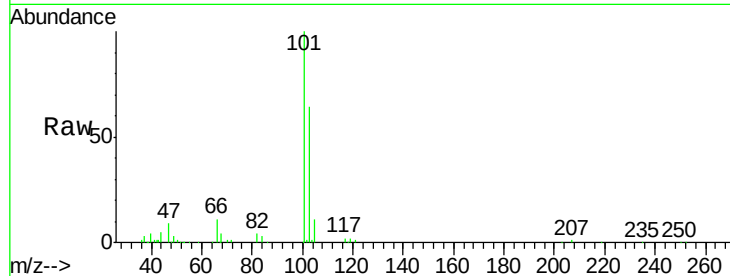


#7

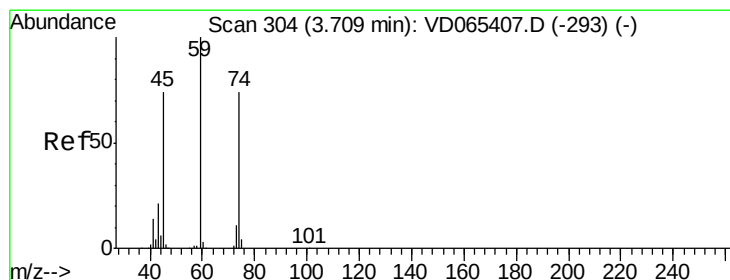
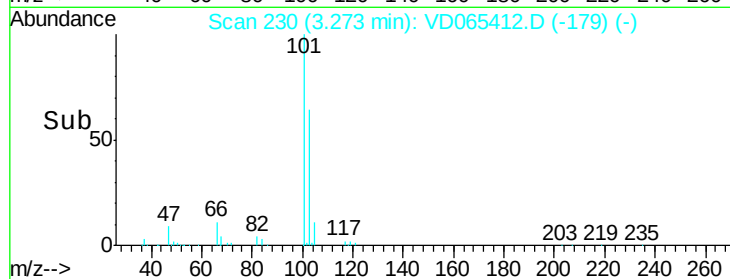
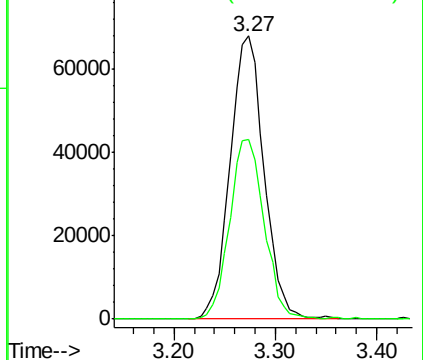
Trichlorofluoromethane
 Concen: 20.13 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:101 Resp: 158405
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.1 78.1



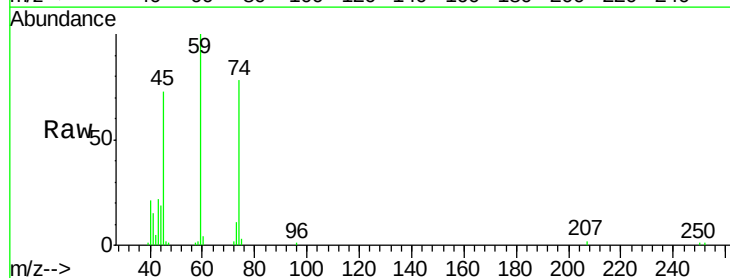
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



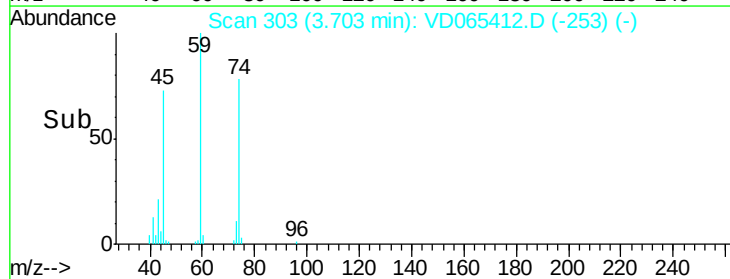
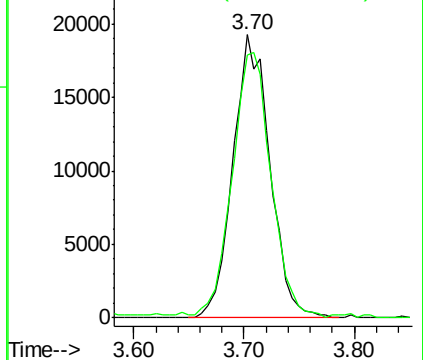
#8

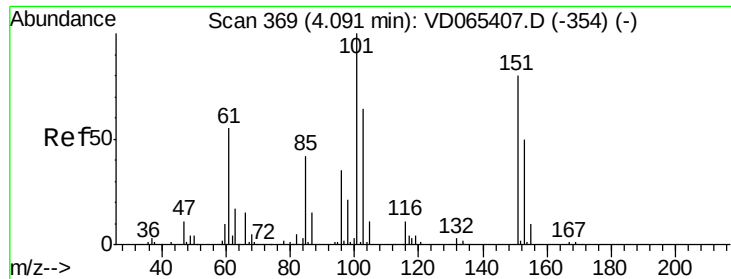
Diethyl Ether
 Concen: 19.26 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion: 74 Resp: 45242
 Ion Ratio Lower Upper
 74 100
 45 99.1 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.88 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

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VSTDIC020

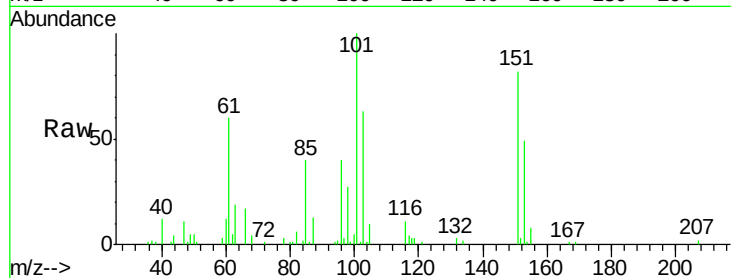
Tgt Ion:101 Resp: 100672

Ion Ratio Lower Upper

101 100

85 40.9 34.2 51.2

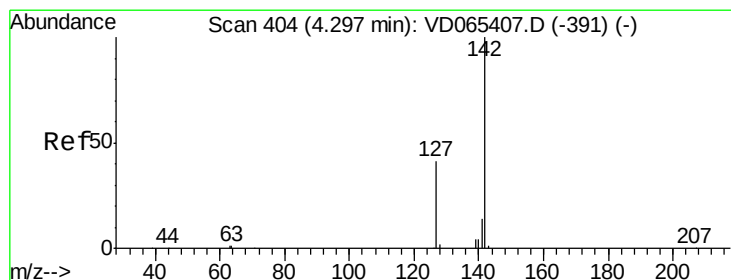
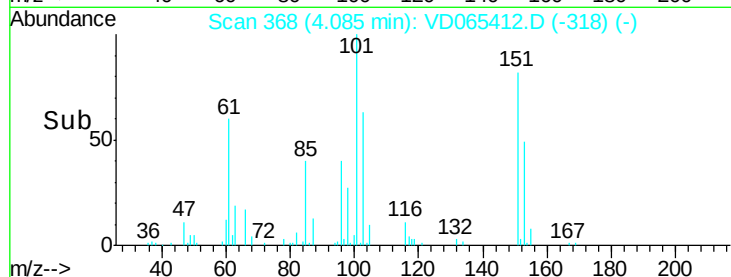
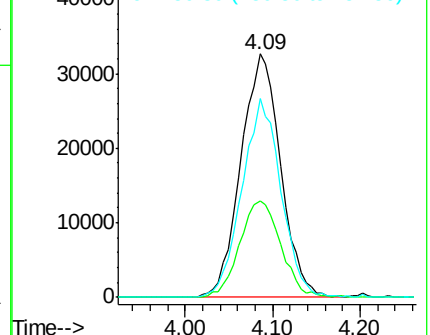
151 80.4 65.1 97.7



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: 18.70 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

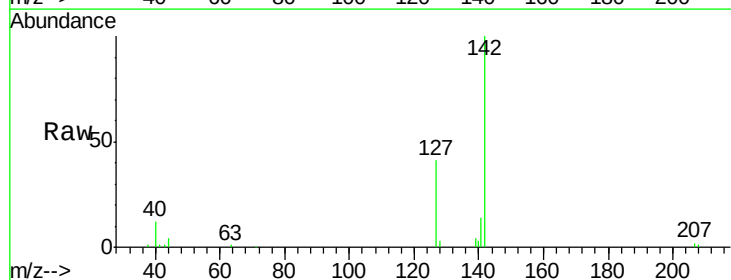
Tgt Ion:142 Resp: 97803

Ion Ratio Lower Upper

142 100

127 41.6 35.0 52.6

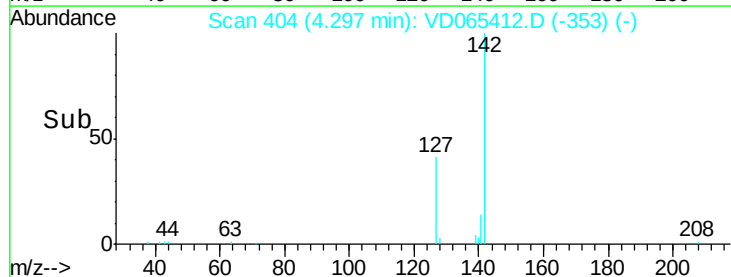
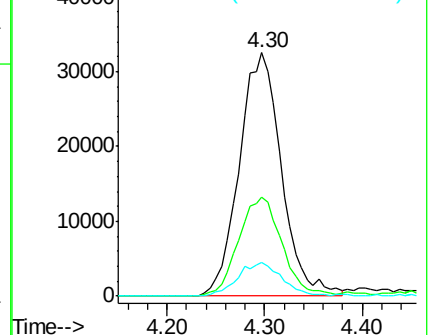
141 14.4 12.4 18.6

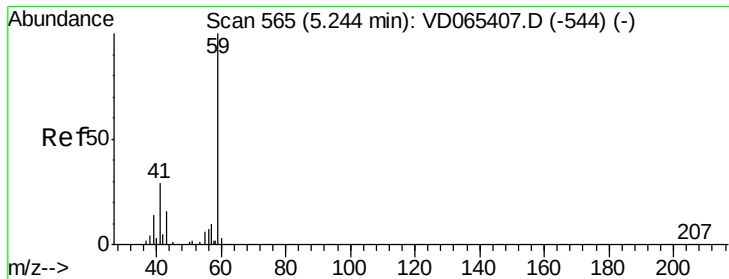


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 86.94 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

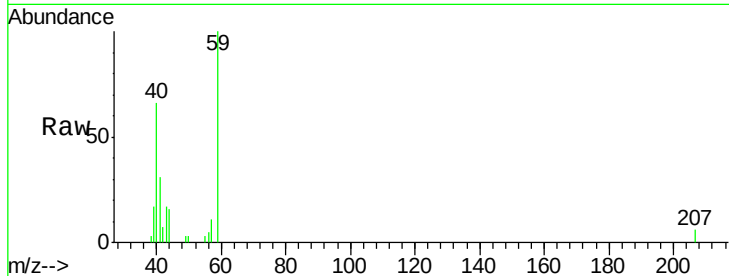
VSTDIC020

Tgt Ion: 59 Resp: 21070

Ion Ratio Lower Upper

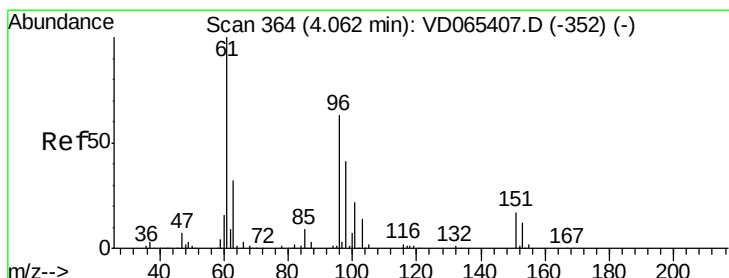
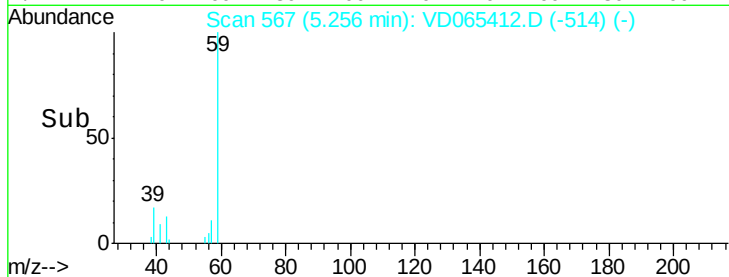
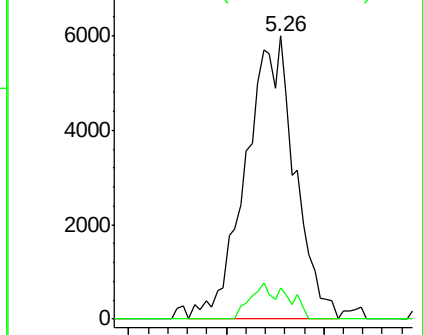
59 100

57 5.7 6.9 10.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.60 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

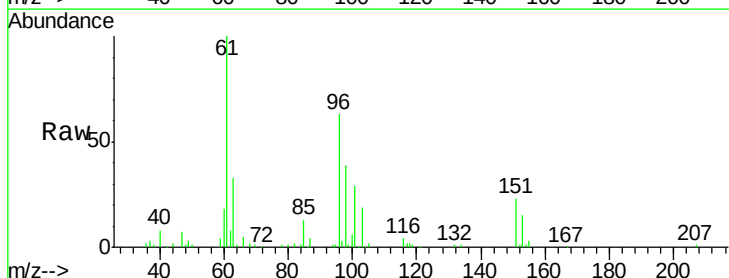
Tgt Ion: 96 Resp: 94973

Ion Ratio Lower Upper

96 100

61 157.6 128.0 192.0

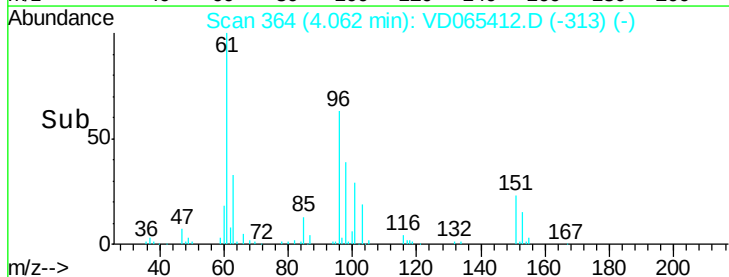
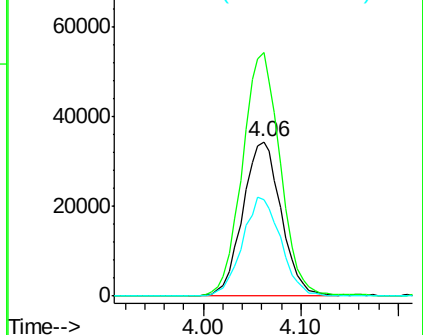
98 62.2 51.9 77.9

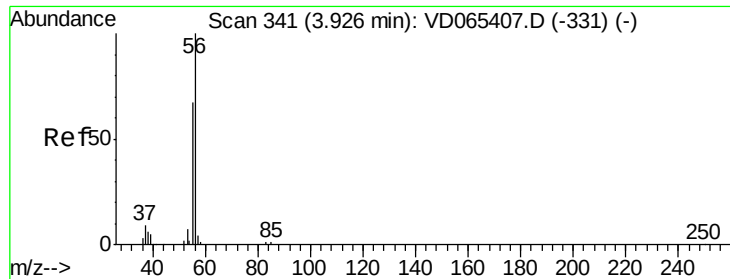


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 98.50 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

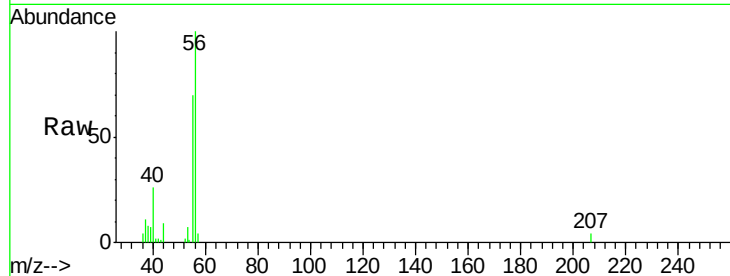
VSTDIC020

Tgt Ion: 56 Resp: 43552

Ion Ratio Lower Upper

56 100

55 71.2 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

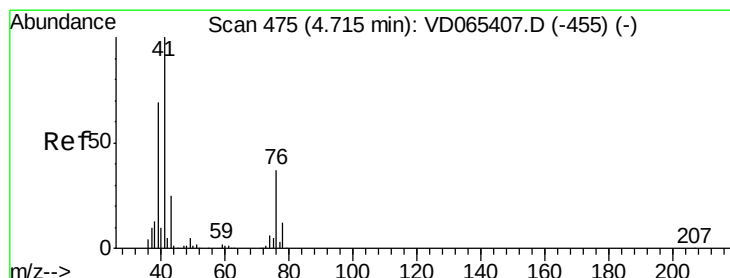
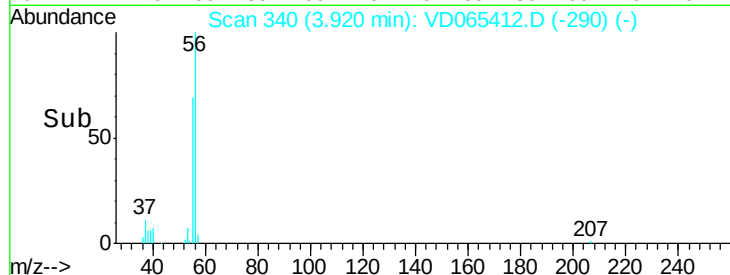
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 19.33 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

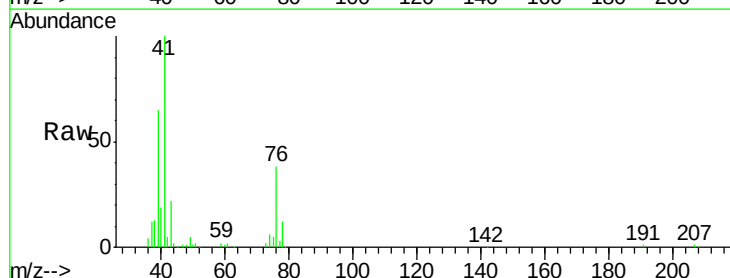
Tgt Ion: 41 Resp: 144291

Ion Ratio Lower Upper

41 100

39 64.0 52.6 79.0

76 37.4 29.2 43.8



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

4.71

60000

50000

40000

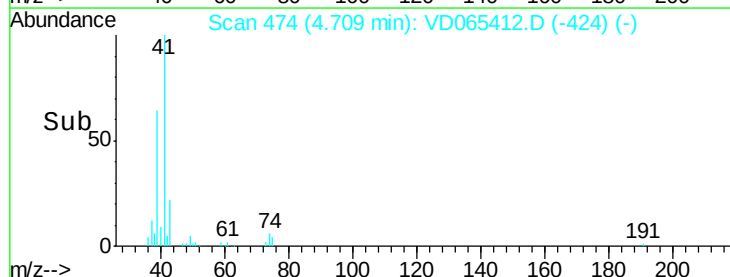
30000

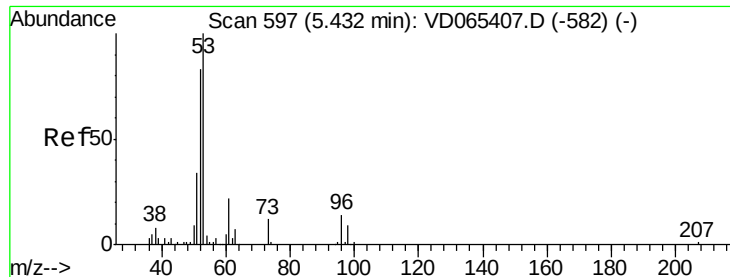
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 87.88 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

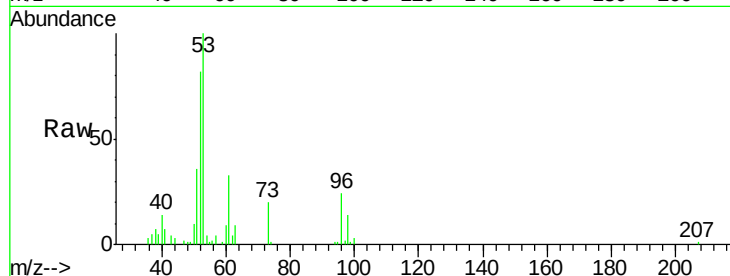
Tgt Ion: 53 Resp: 90705

Ion Ratio Lower Upper

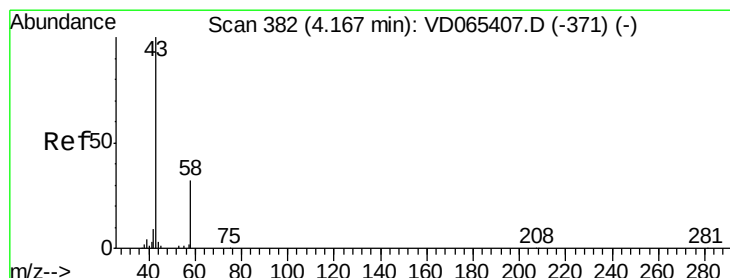
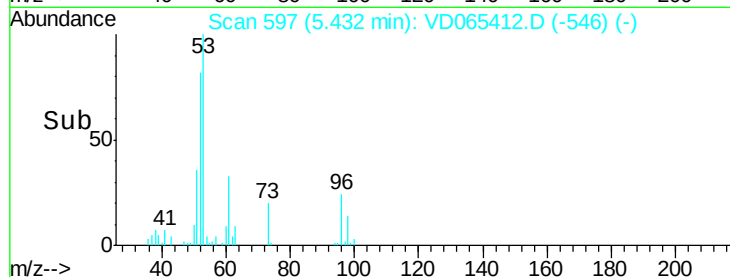
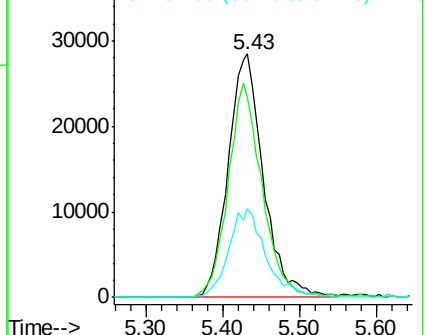
53 100

52 84.0 65.1 97.7

51 38.3 28.5 42.7



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



#16

Acetone

Concen: 90.41 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065412.D

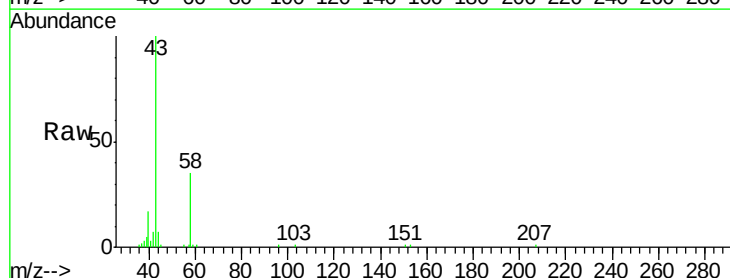
Acq: 04 Mar 2020 15:30

Tgt Ion: 43 Resp: 82637

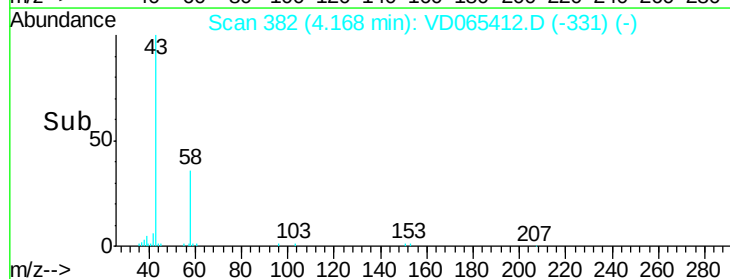
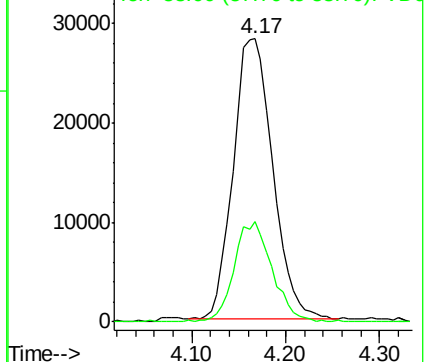
Ion Ratio Lower Upper

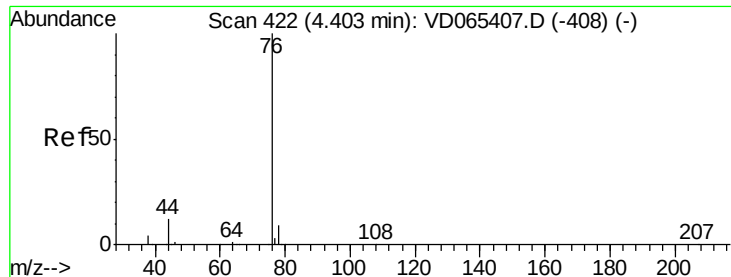
43 100

58 35.1 25.1 37.7



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





#17

Carbon Disulfide

Concen: 19.74 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

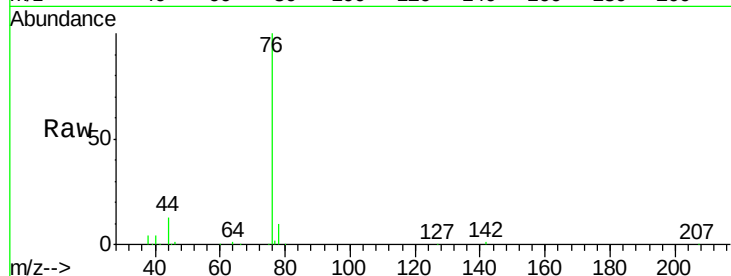
VSTDIC020

Tgt Ion: 76 Resp: 319407

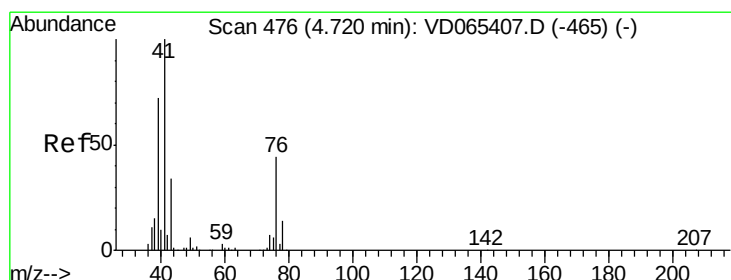
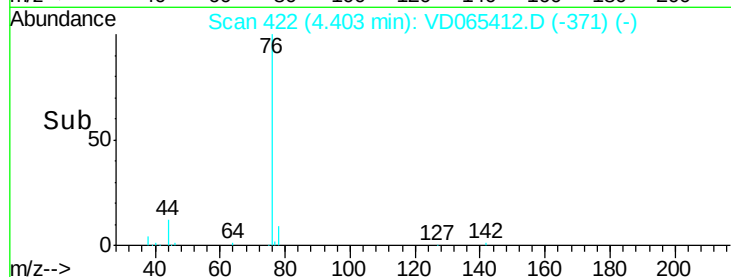
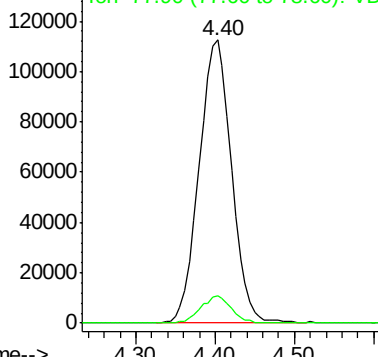
Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0



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



#18

Methyl Acetate

Concen: 17.97 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065412.D

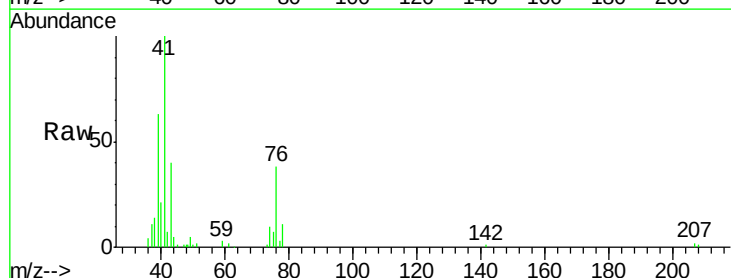
Acq: 04 Mar 2020 15:30

Tgt Ion: 43 Resp: 41994

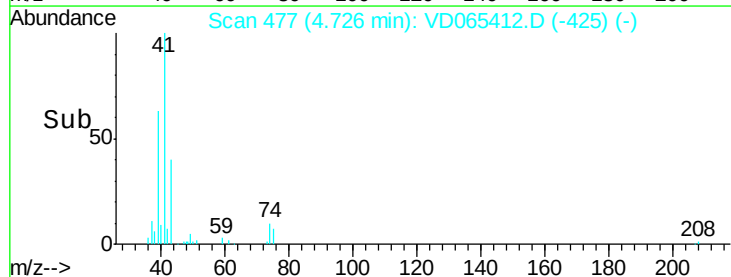
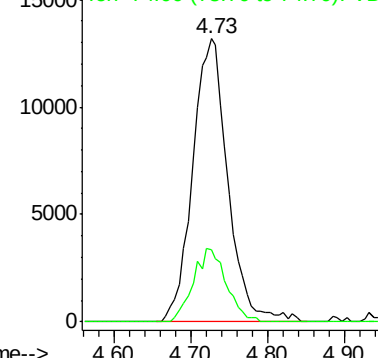
Ion Ratio Lower Upper

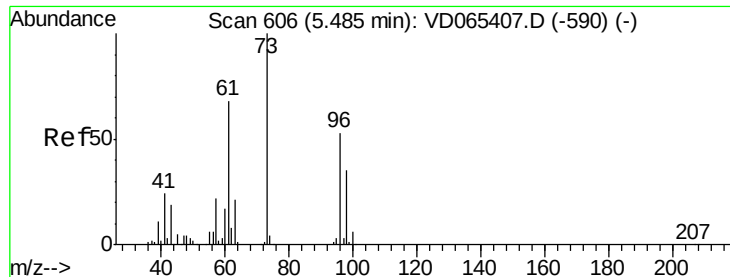
43 100

74 24.2 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

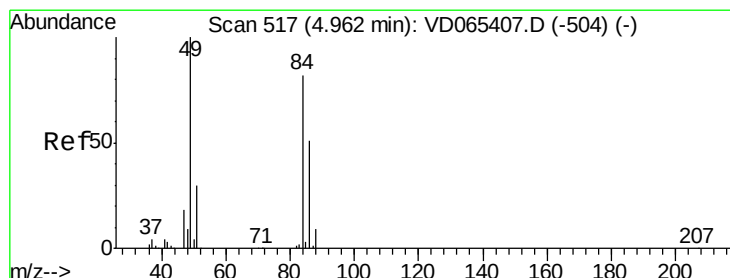
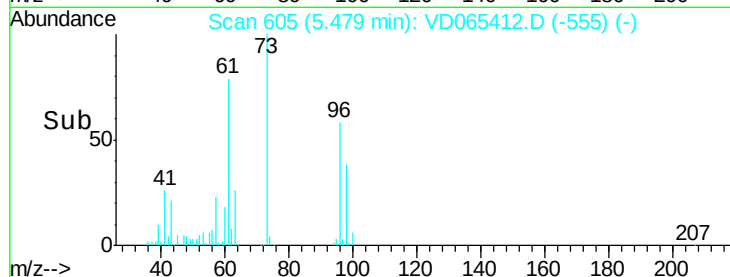
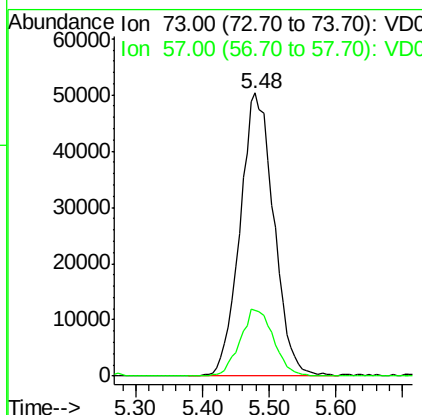
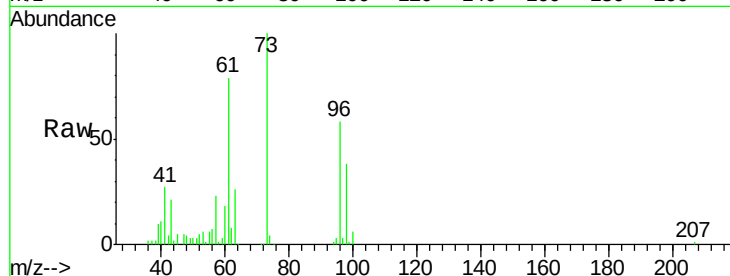




#19
Methyl tert-butyl Ether
Concen: 18.64 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

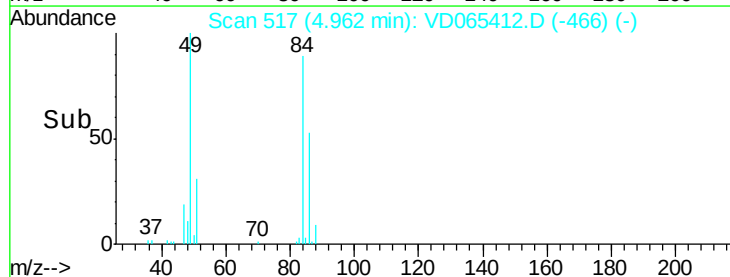
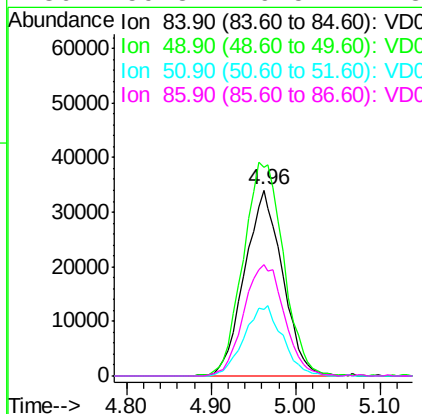
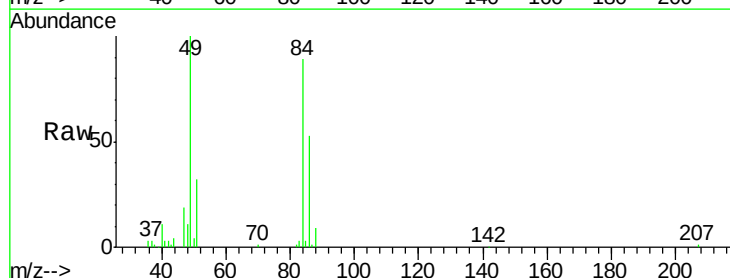
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

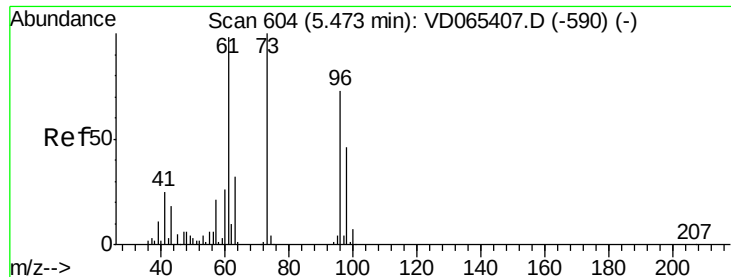
Tgt Ion: 73 Resp: 175539
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9



#20
Methylene Chloride
Concen: 18.72 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion: 84 Resp: 106101
Ion Ratio Lower Upper
84 100
49 112.2 97.7 146.5
51 35.5 28.8 43.2
86 59.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.63 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

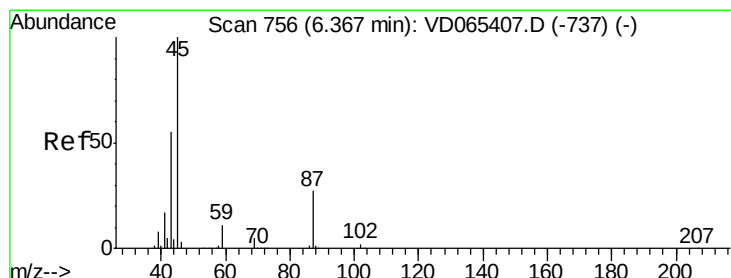
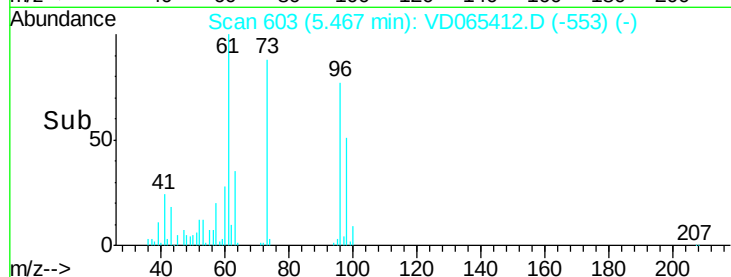
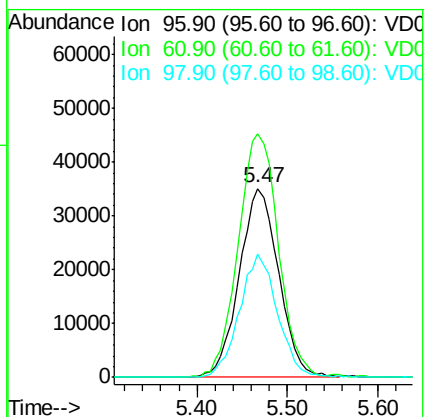
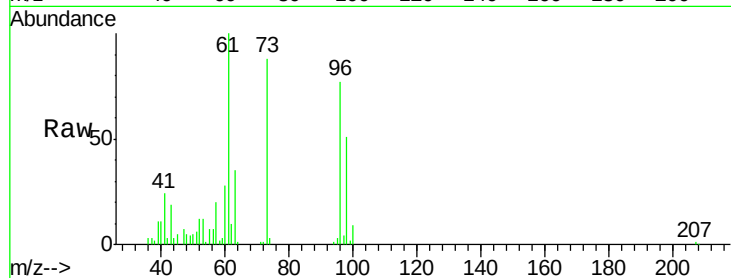
Tgt Ion: 96 Resp: 106088

Ion Ratio Lower Upper

96 100

61 129.1 106.3 159.5

98 65.2 50.2 75.4



#22

Diisopropyl ether

Concen: 19.68 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion: 45 Resp: 275743

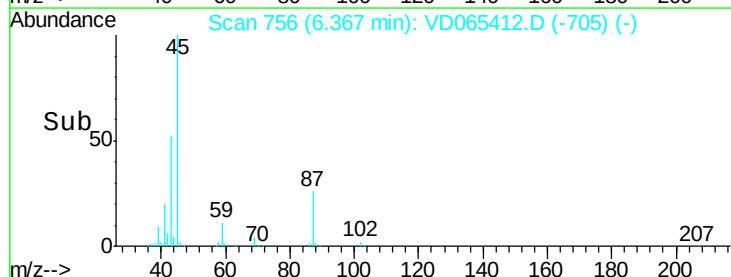
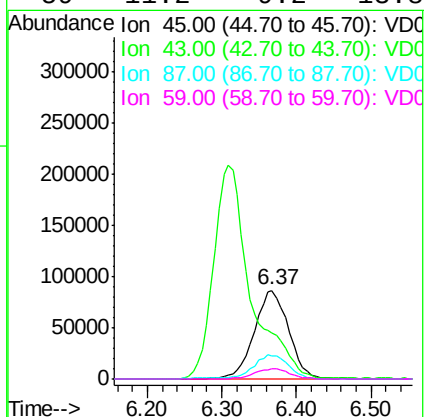
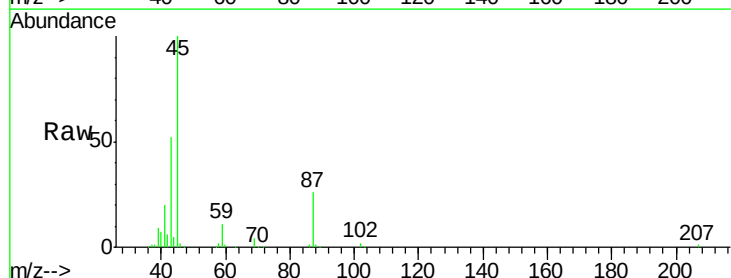
Ion Ratio Lower Upper

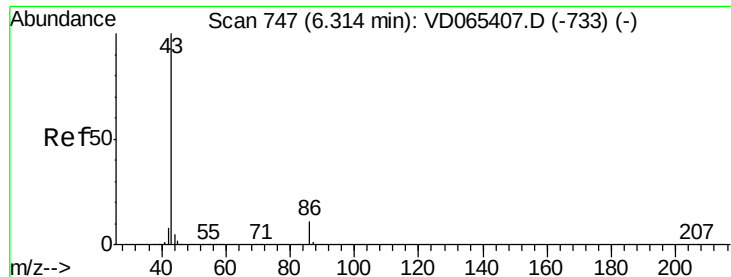
45 100

43 50.8 44.4 66.6

87 26.0 21.9 32.9

59 11.2 9.2 13.8





#23

Vinyl Acetate

Concen: 93.17 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

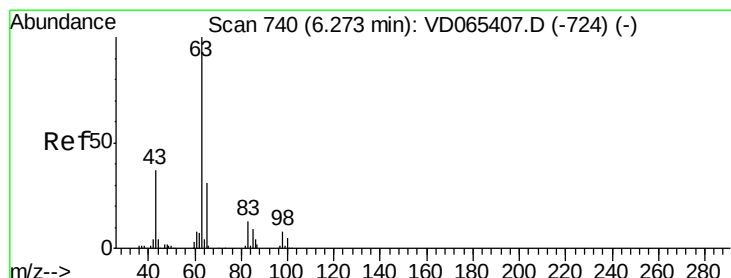
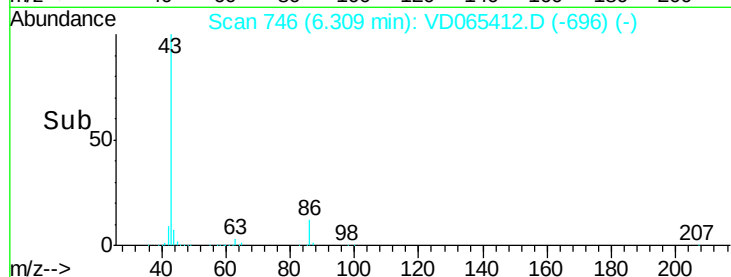
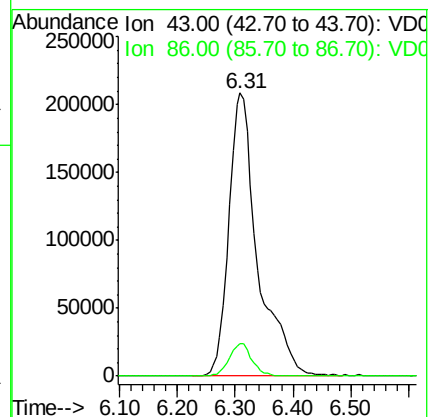
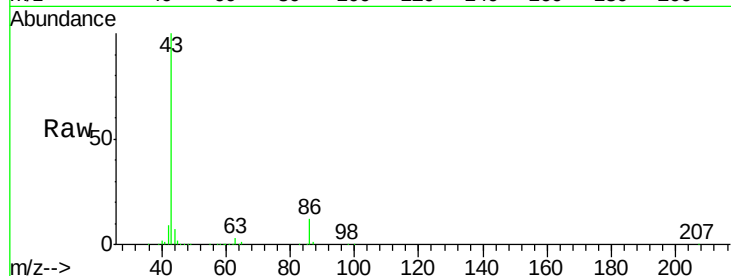
VSTDIC020

Tgt Ion: 43 Resp: 723835

Ion Ratio Lower Upper

43 100

86 11.5 8.9 13.3



#24

1,1-Dichloroethane

Concen: 19.88 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

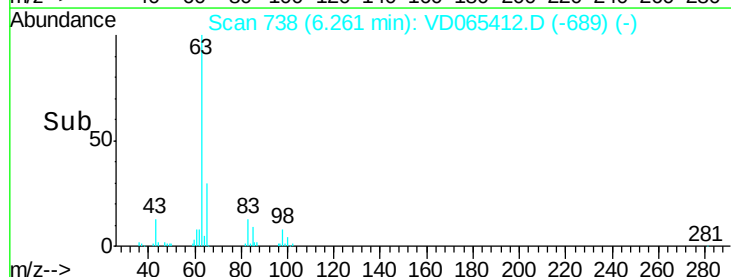
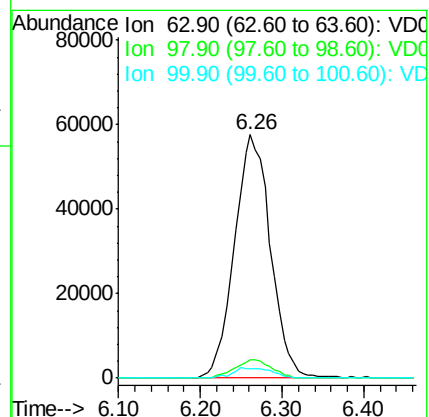
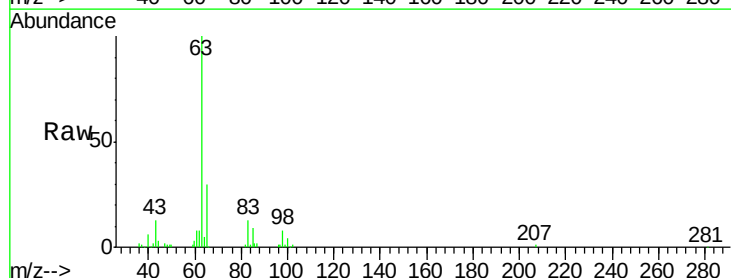
Tgt Ion: 63 Resp: 176872

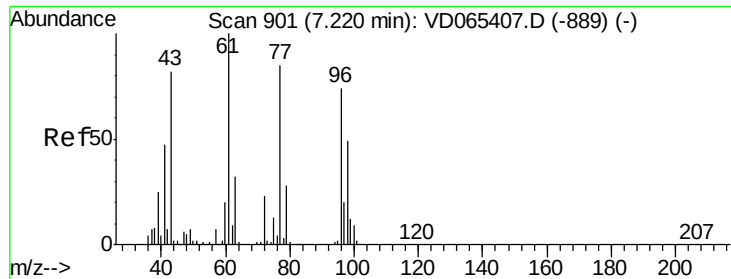
Ion Ratio Lower Upper

63 100

98 7.5 4.2 12.6

100 3.9 2.4 7.2

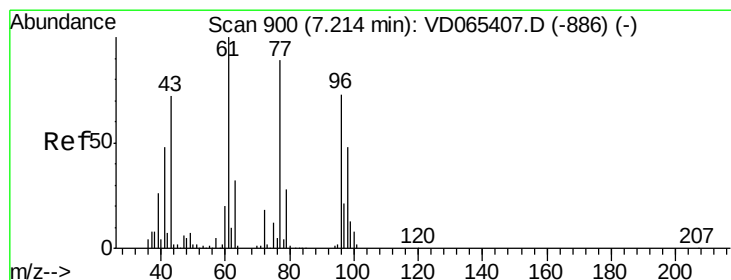
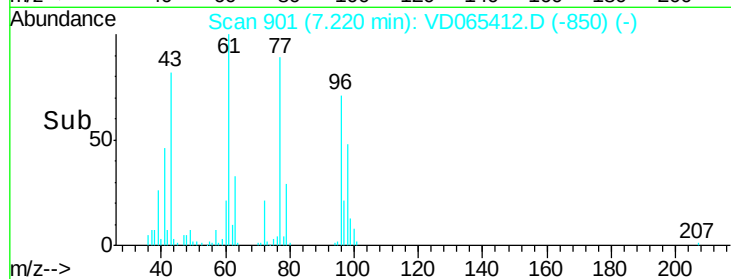
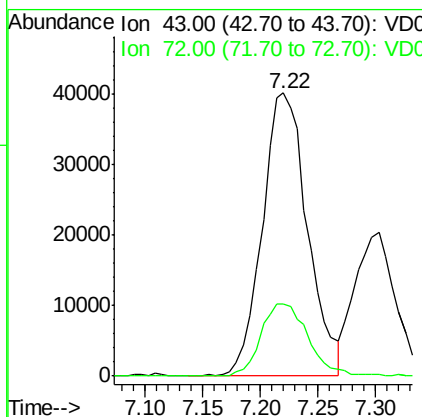
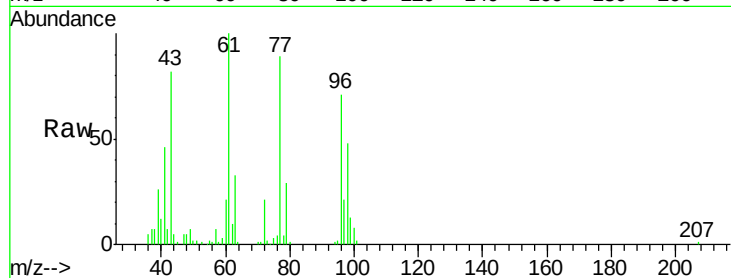




#25
 2-Butanone
 Concen: 87.64 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

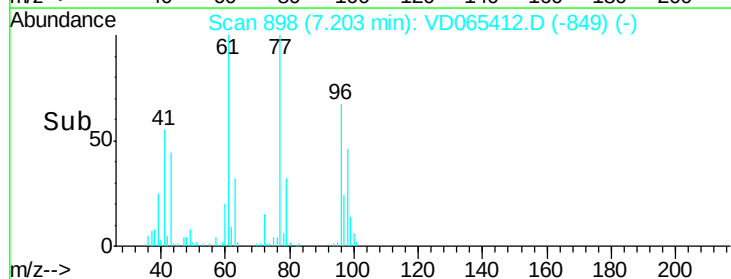
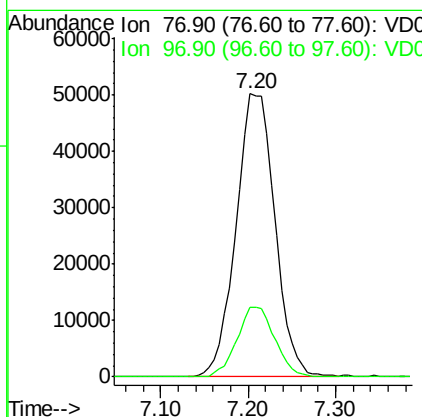
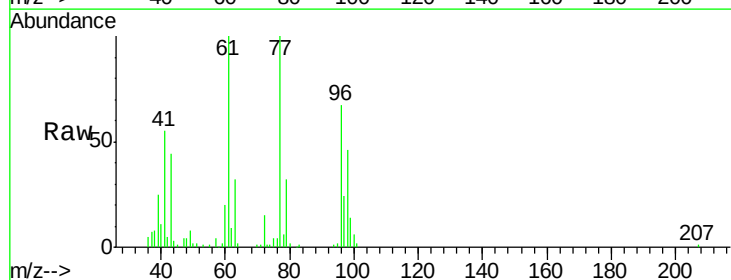
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

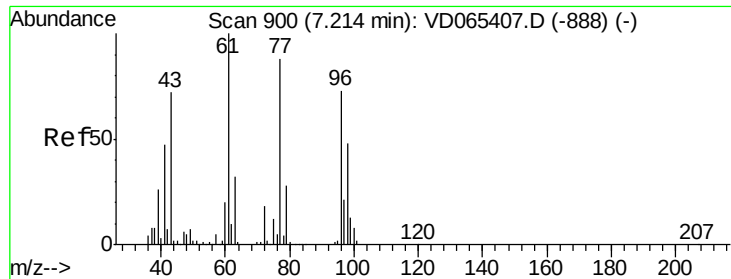
Tgt Ion: 43 Resp: 109603
 Ion Ratio Lower Upper
 43 100
 72 25.6 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 19.50 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion: 77 Resp: 151651
 Ion Ratio Lower Upper
 77 100
 97 24.0 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 19.40 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

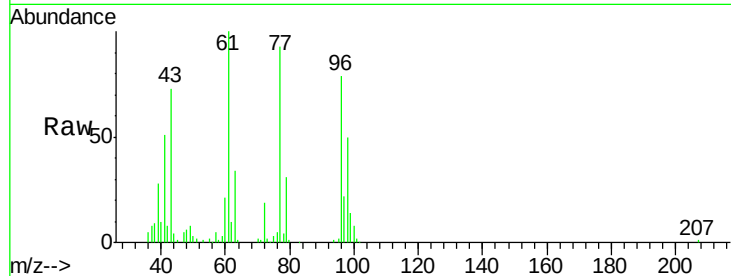
Tgt Ion: 96 Resp: 107535

Ion Ratio Lower Upper

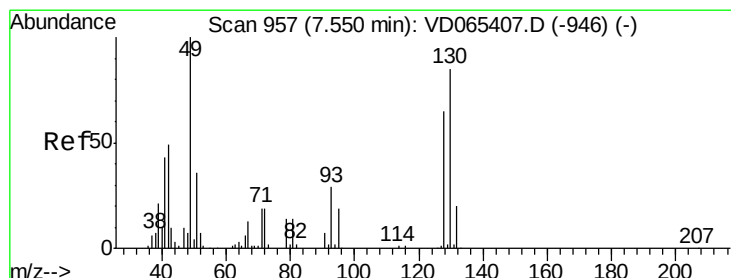
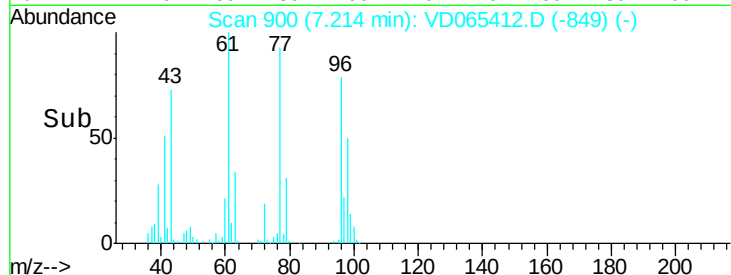
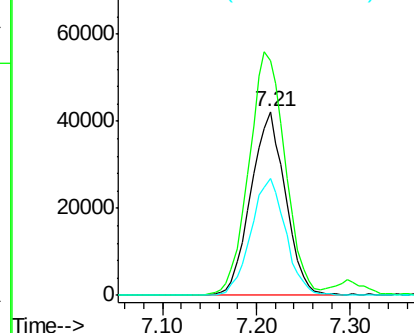
96 100

61 139.1 0.0 280.4

98 63.8 0.0 132.6



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



#28

Bromochloromethane

Concen: 18.80 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

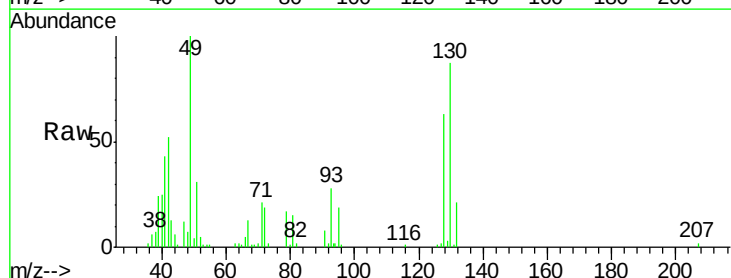
Tgt Ion: 49 Resp: 67864

Ion Ratio Lower Upper

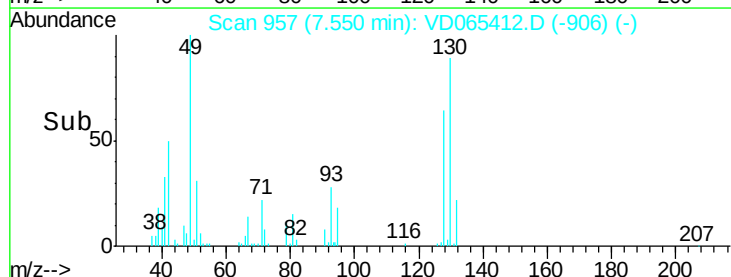
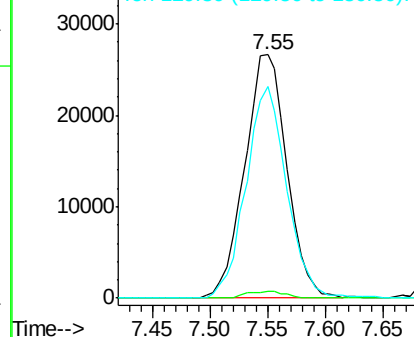
49 100

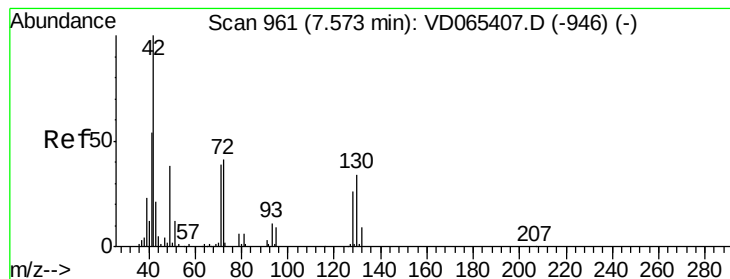
129 2.5 0.0 4.6

130 83.6 66.6 100.0



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: 87.55 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

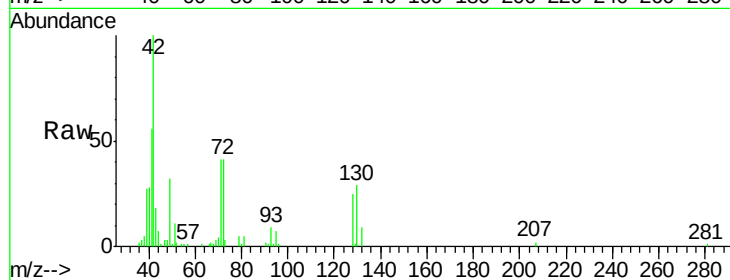
Tgt Ion: 42 Resp: 70332

Ion Ratio Lower Upper

42 100

72 43.2 33.0 49.6

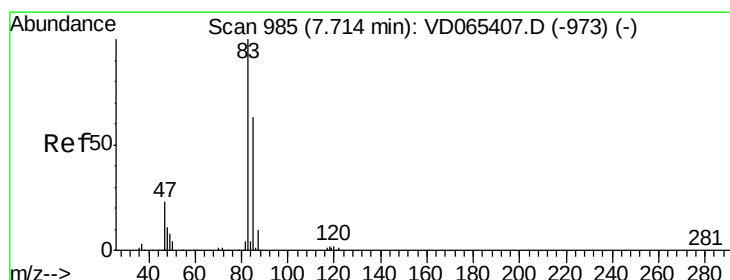
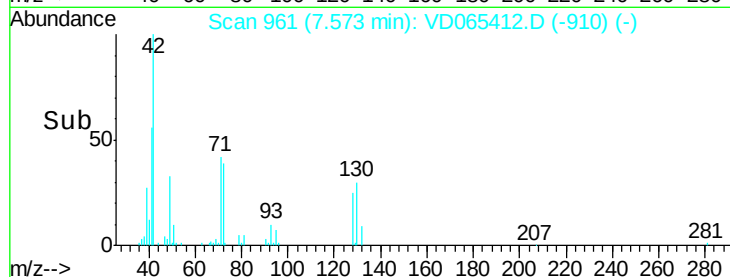
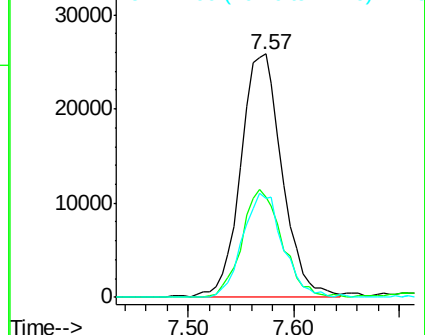
71 41.3 32.0 48.0



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: 19.25 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065412.D

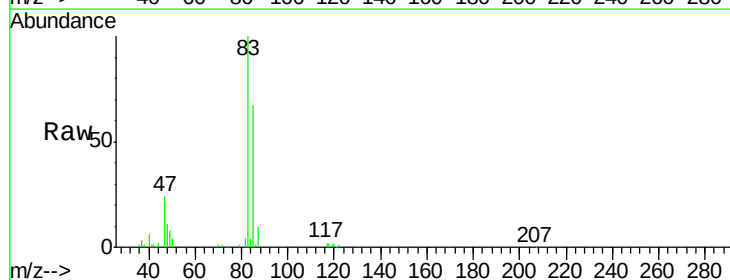
Acq: 04 Mar 2020 15:30

Tgt Ion: 83 Resp: 172261

Ion Ratio Lower Upper

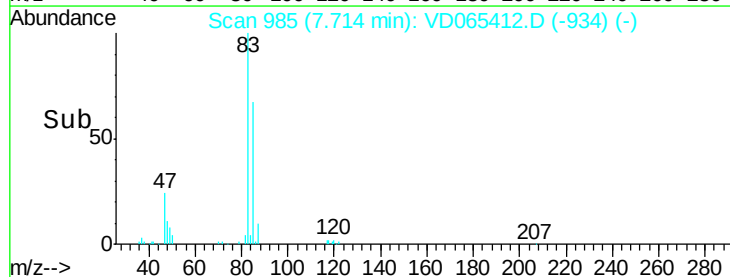
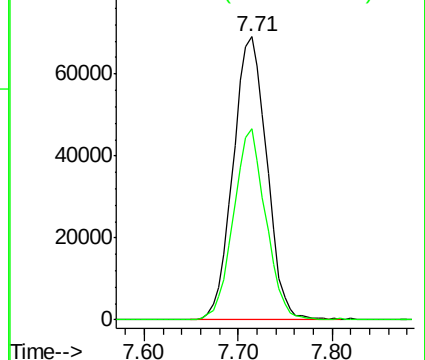
83 100

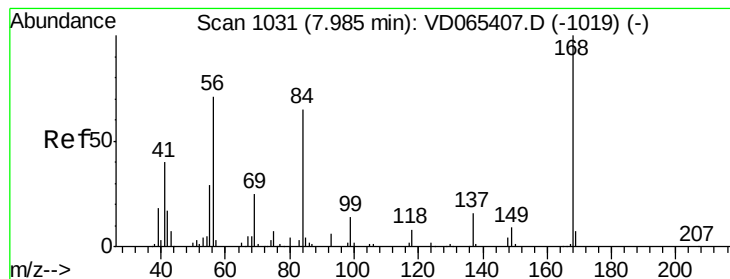
85 67.4 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 19.55 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

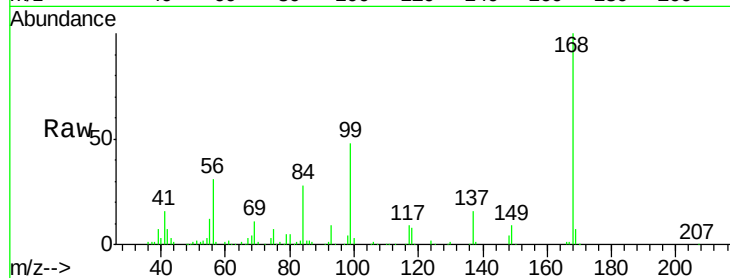
Tgt Ion: 56 Resp: 173087

Ion Ratio Lower Upper

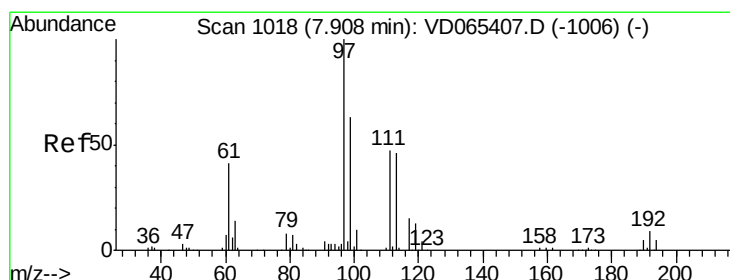
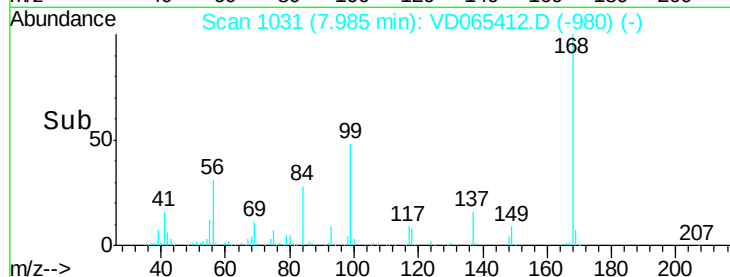
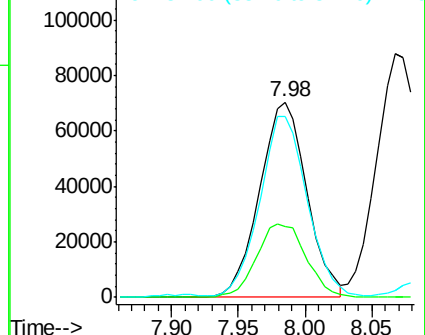
56 100

69 36.5 28.3 42.5

84 91.0 73.1 109.7



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



#32

1,1,1-Trichloroethane

Concen: 19.46 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

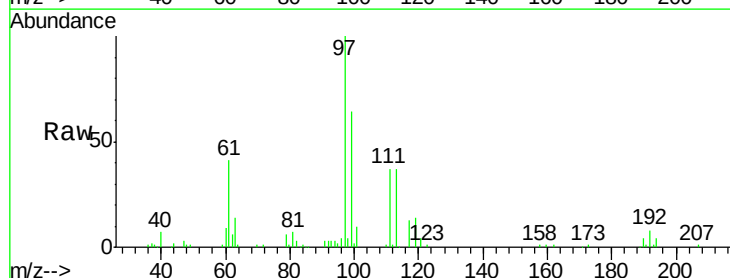
Tgt Ion: 97 Resp: 159823

Ion Ratio Lower Upper

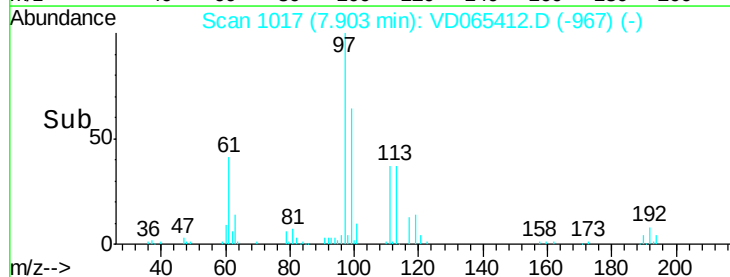
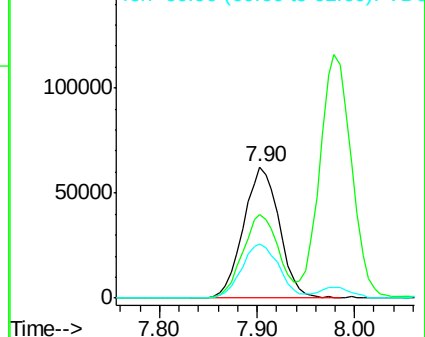
97 100

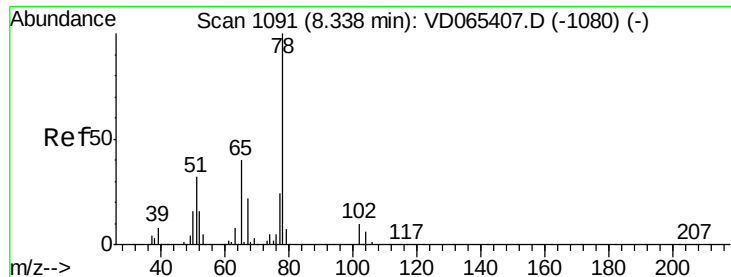
99 63.4 50.9 76.3

61 42.7 33.2 49.8



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

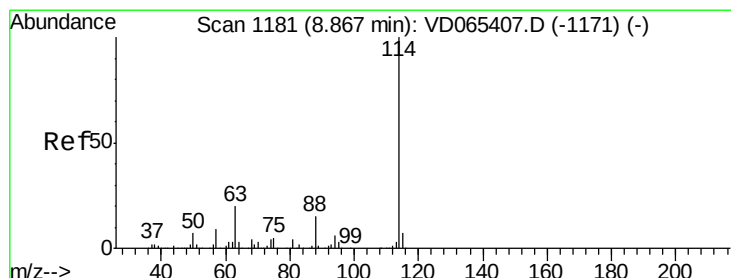
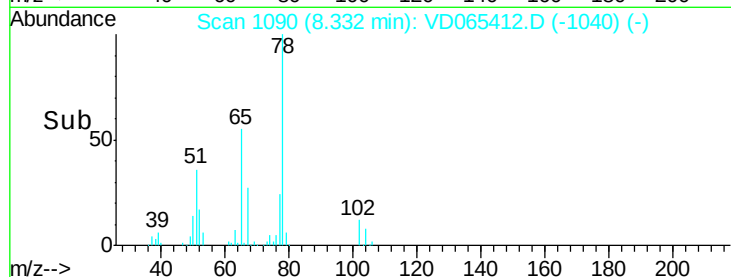
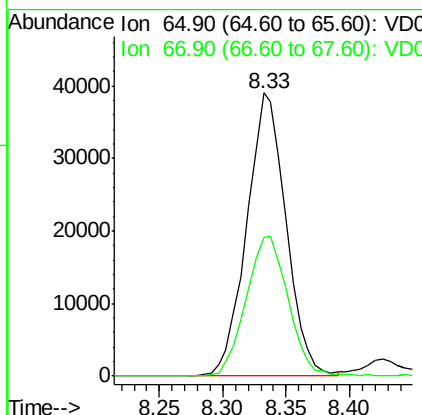
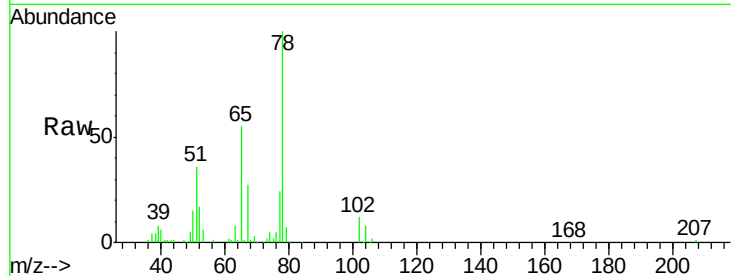




#33
 1,2-Dichloroethane-d4
 Concen: 18.82 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

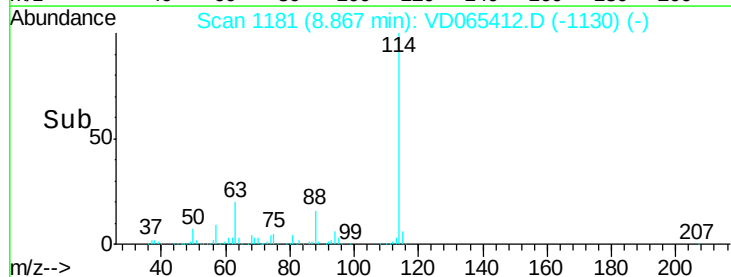
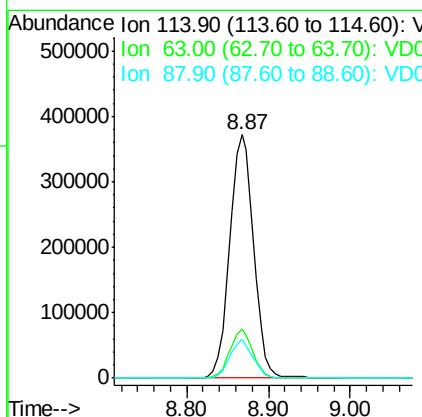
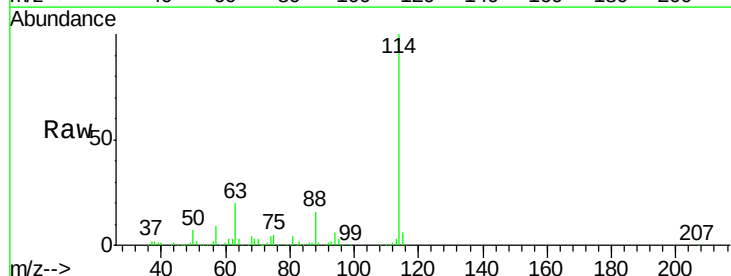
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

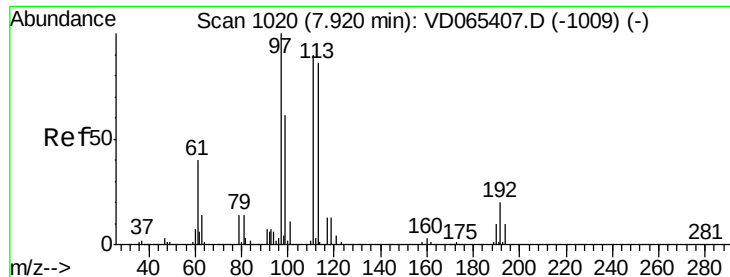
Tgt Ion: 65 Resp: 84345
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion: 114 Resp: 755497
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.6
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 19.21 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

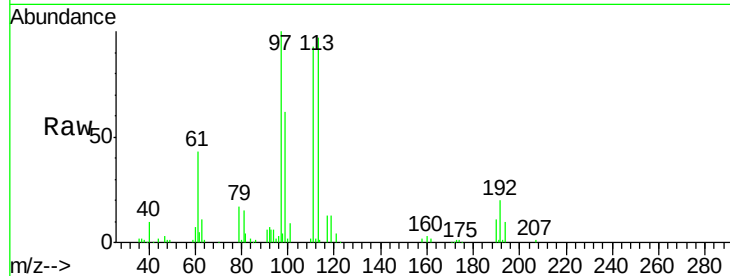
Tgt Ion:113 Resp: 90007

Ion Ratio Lower Upper

113 100

111 97.9 82.1 123.1

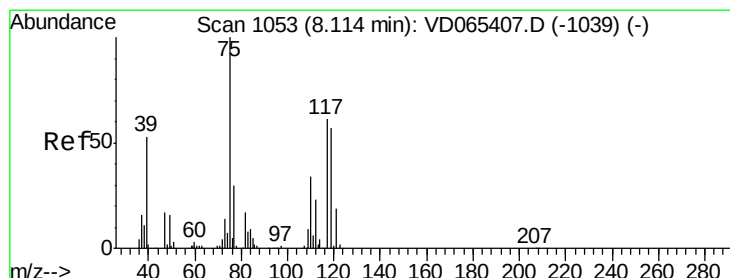
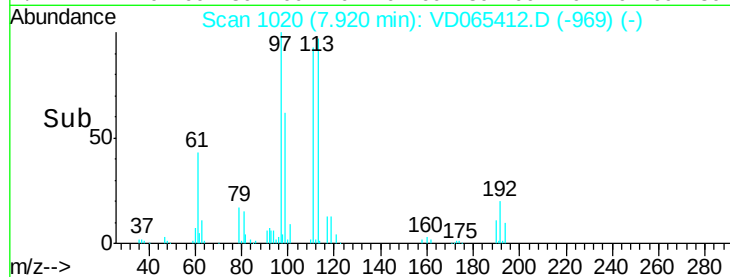
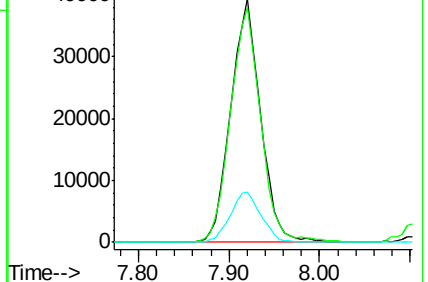
192 21.3 17.2 25.8



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: 19.64 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

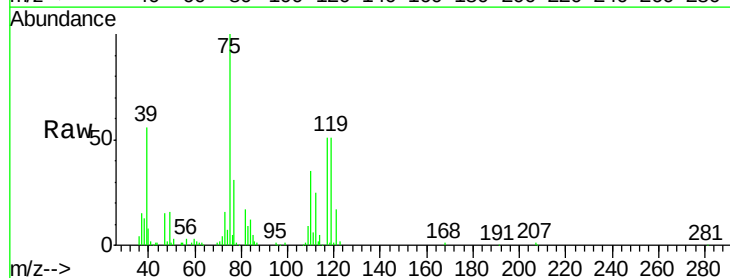
Tgt Ion: 75 Resp: 142700

Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.1

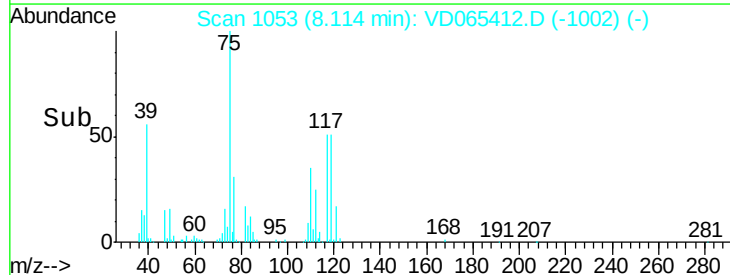
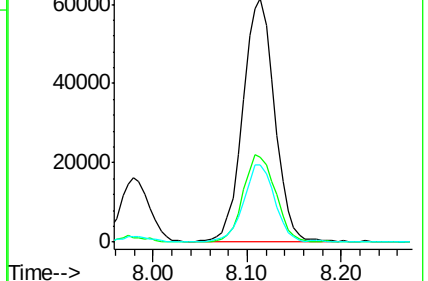
77 31.9 25.2 37.8

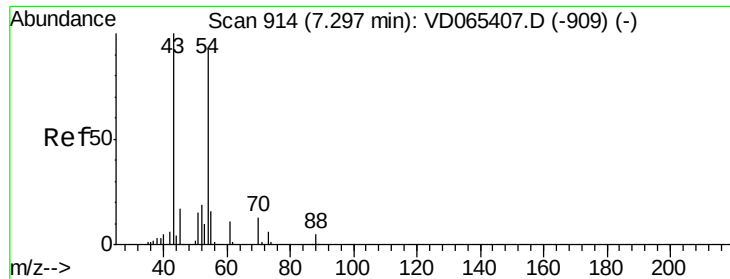


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

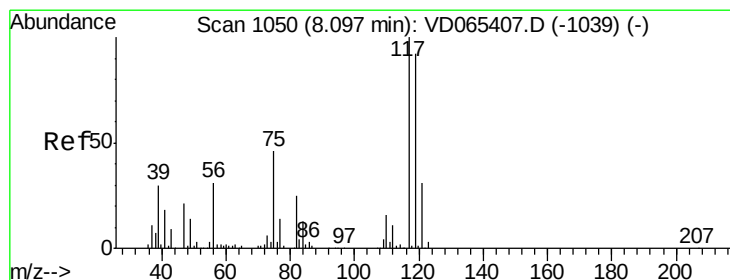
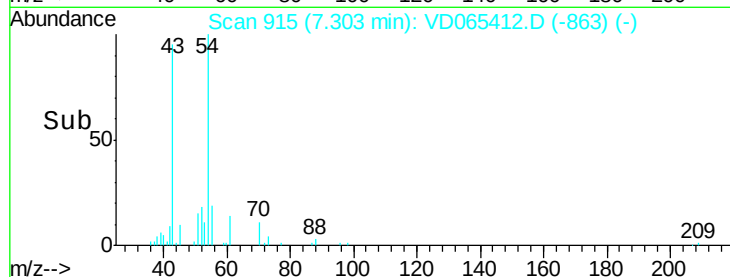
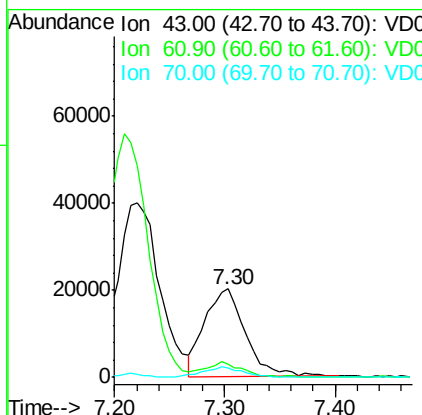
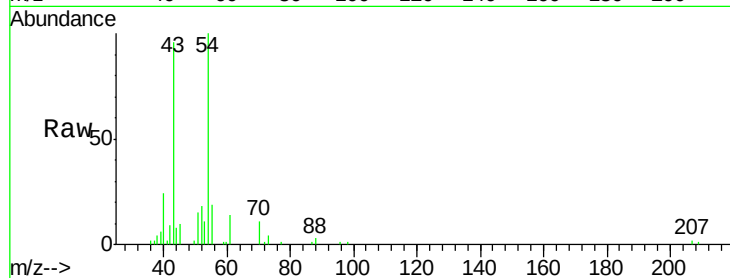




#37
Ethyl Acetate
Concen: 18.04 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

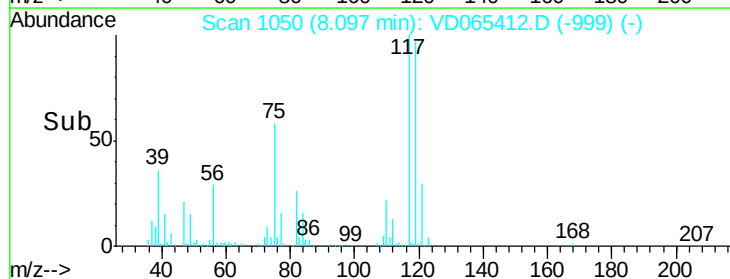
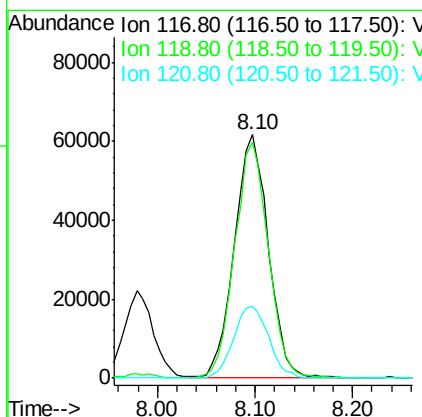
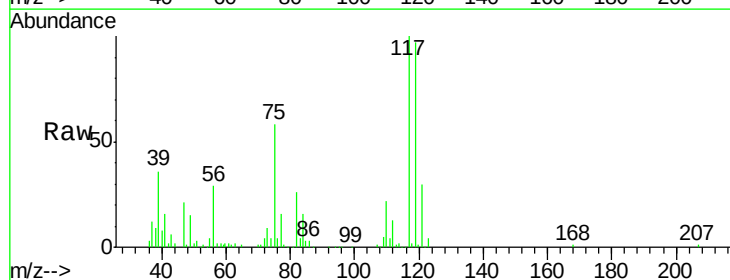
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

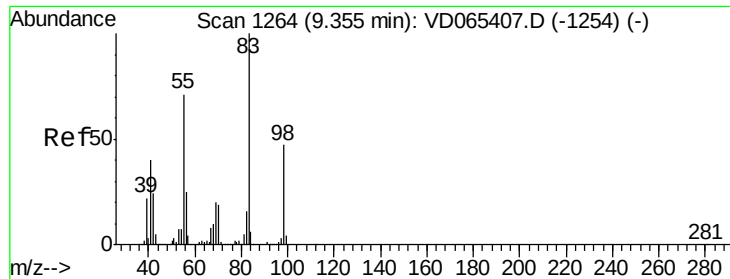
Tgt Ion: 43 Resp: 51299
Ion Ratio Lower Upper
43 100
61 15.6 11.4 17.0
70 11.6 9.0 13.4



#38
Carbon Tetrachloride
Concen: 20.08 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion: 117 Resp: 150628
Ion Ratio Lower Upper
117 100
119 97.1 73.3 109.9
121 29.7 25.0 37.4

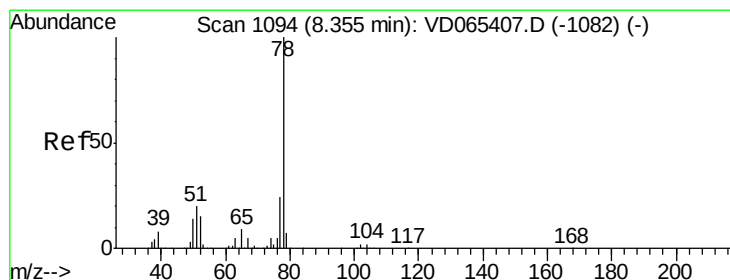
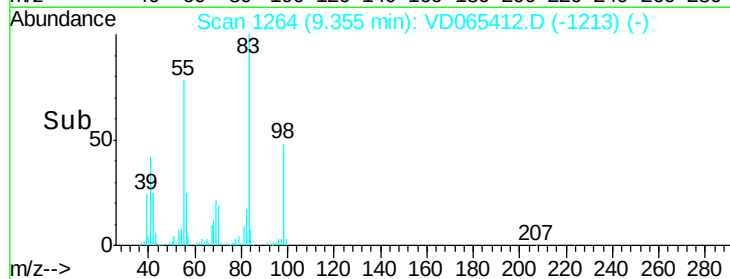
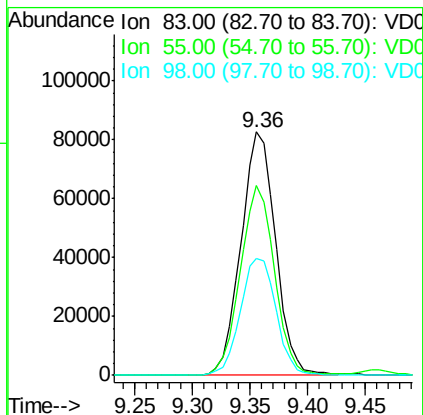
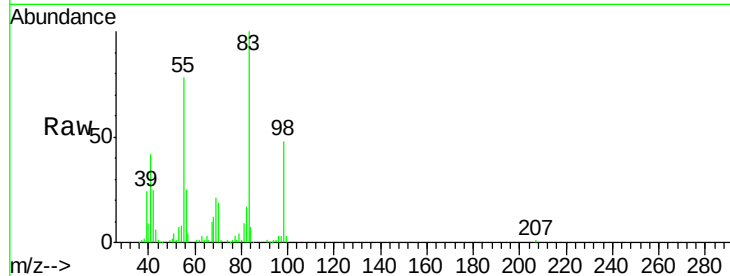




#39
Methylcyclohexane
Concen: 19.89 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

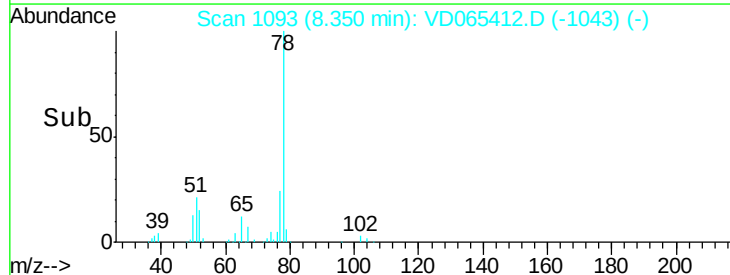
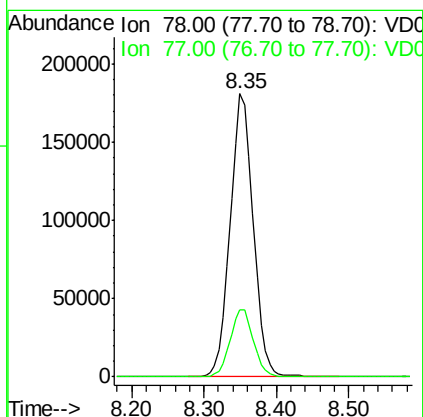
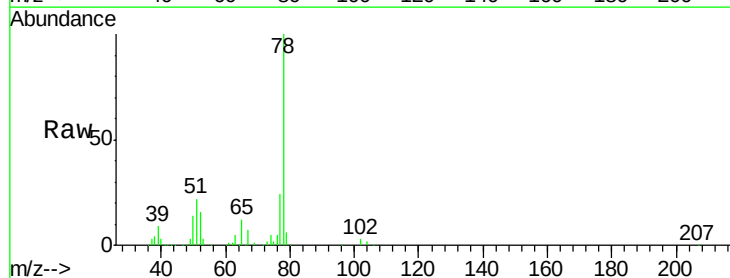
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

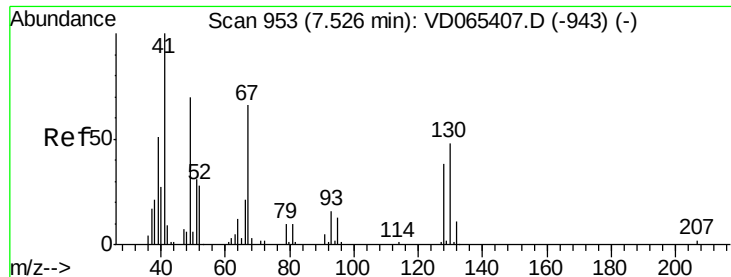
Tgt Ion: 83 Resp: 172694
Ion Ratio Lower Upper
83 100
55 78.1 57.1 85.7
98 47.8 37.8 56.8



#40
Benzene
Concen: 19.68 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion: 78 Resp: 400773
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0

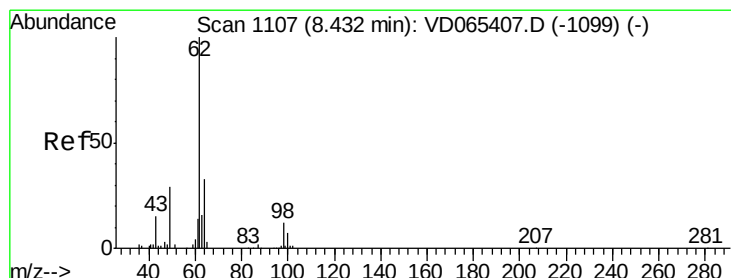
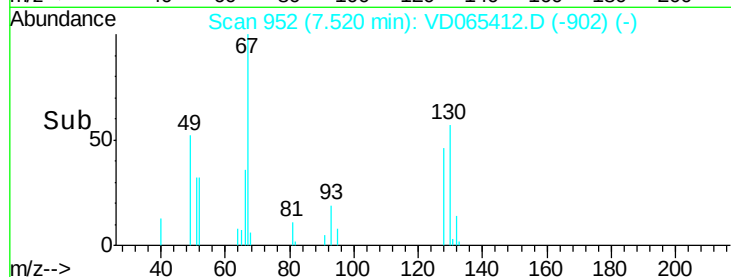
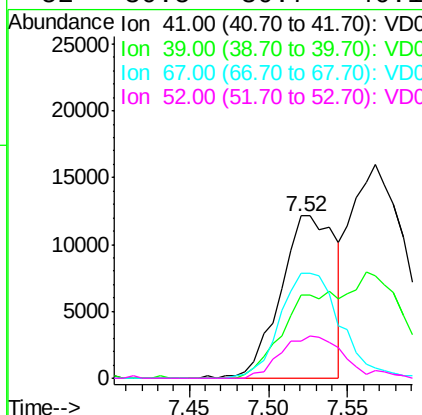
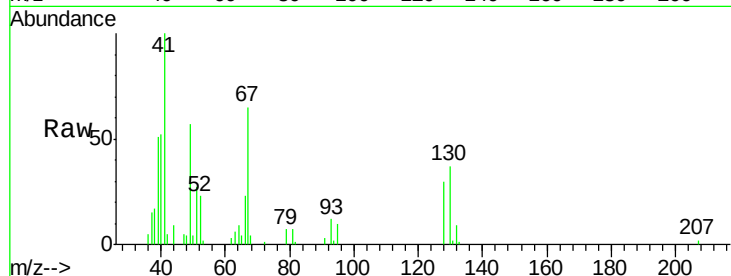




#41
Methacrylonitrile
Concen: 20.26 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

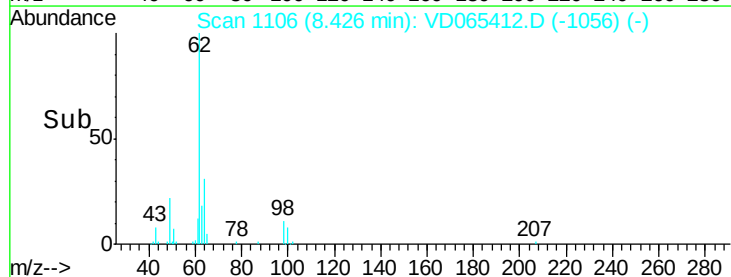
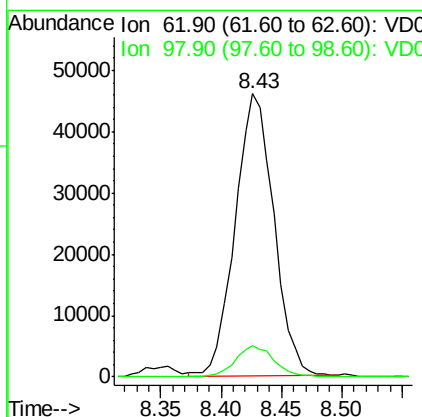
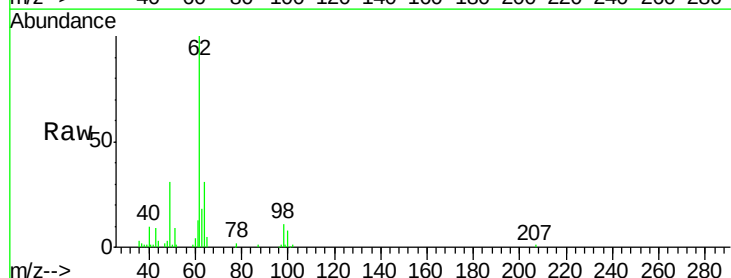
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

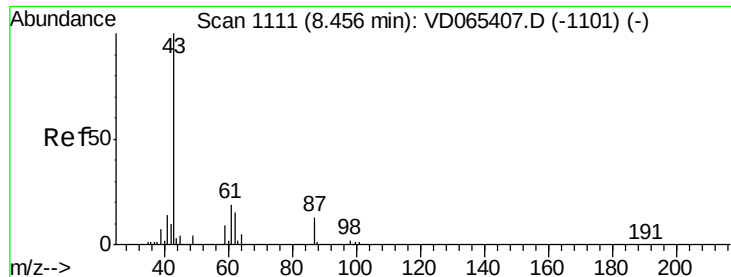
Tgt Ion: 41 Resp: 29284
Ion Ratio Lower Upper
41 100
39 38.0 55.0 82.6#
67 71.5 70.3 105.5
52 30.5 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 19.09 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion: 62 Resp: 102318
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.4





#43

Isopropyl Acetate

Concen: 18.51 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

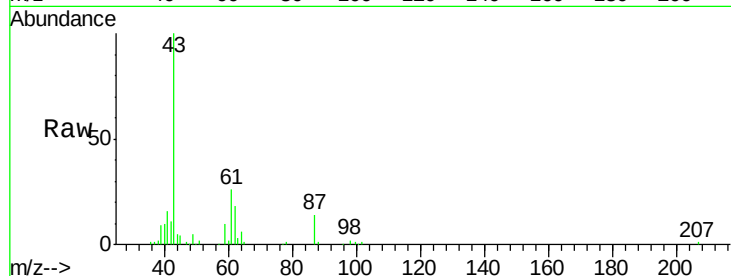
Tgt Ion: 43 Resp: 96342

Ion Ratio Lower Upper

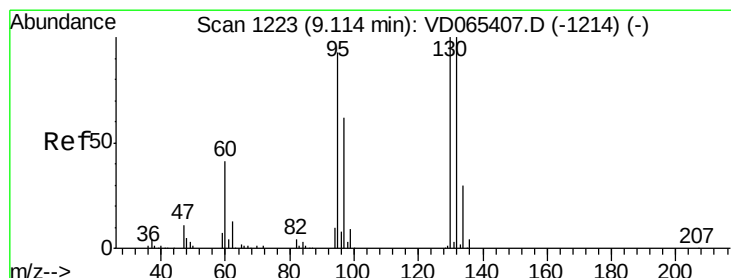
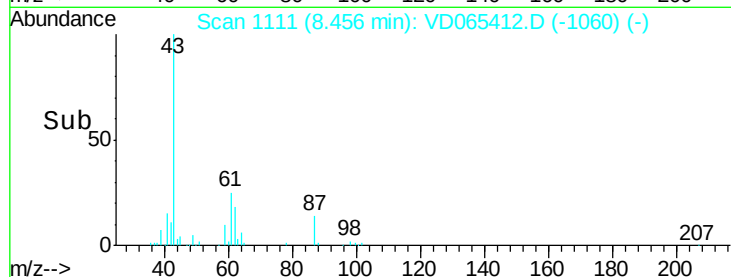
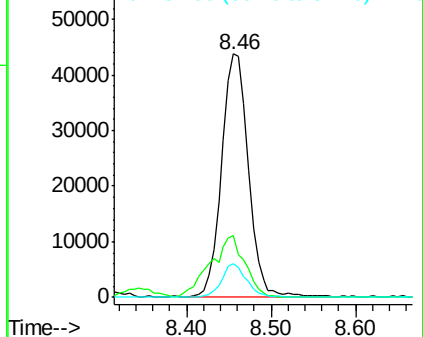
43 100

61 32.7 25.0 37.6

87 12.5 11.0 16.4



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: 19.94 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065412.D

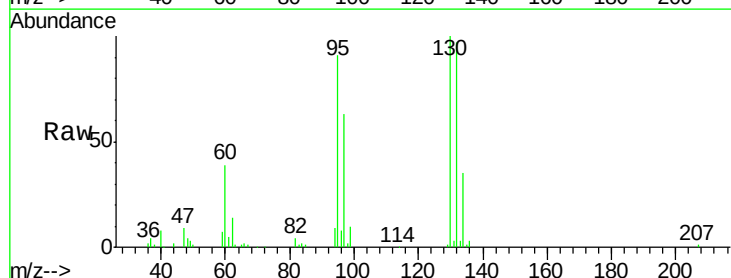
Acq: 04 Mar 2020 15:30

Tgt Ion: 130 Resp: 114003

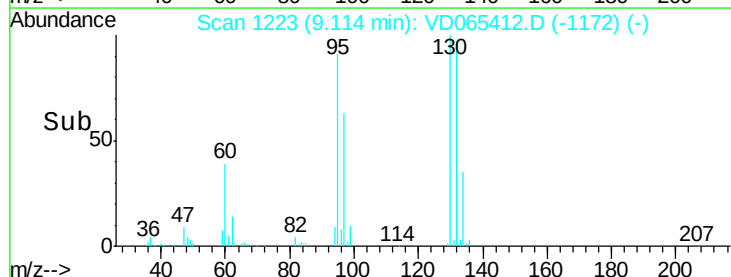
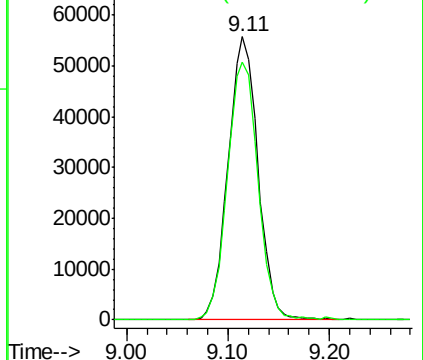
Ion Ratio Lower Upper

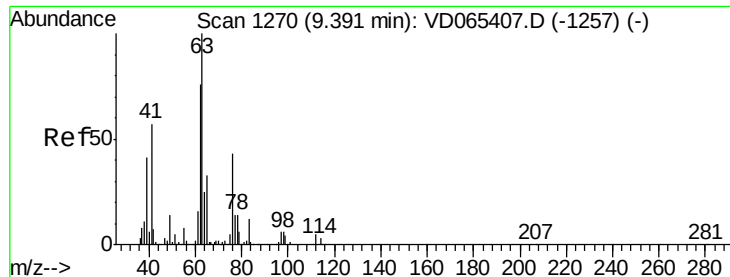
130 100

95 91.1 0.0 186.0



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

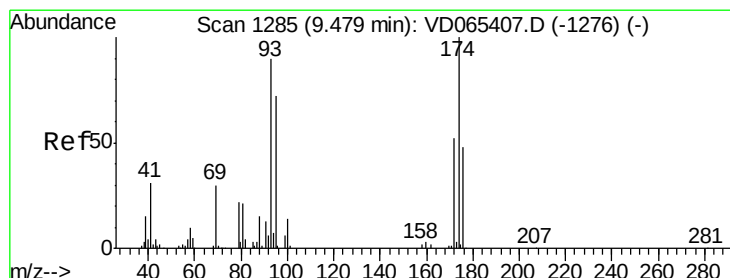
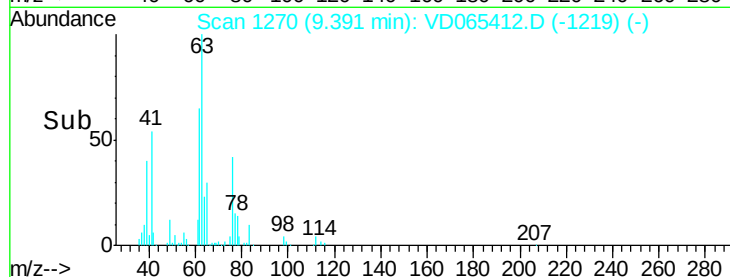
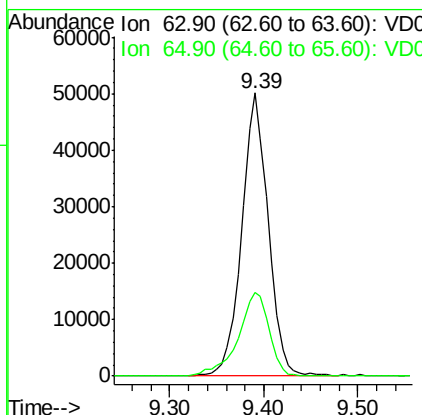
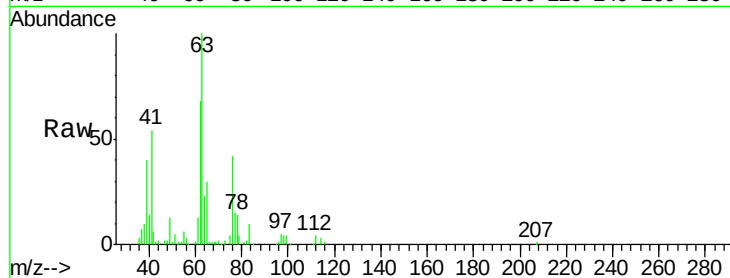




#45
 1,2-Dichloropropane
 Concen: 19.71 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

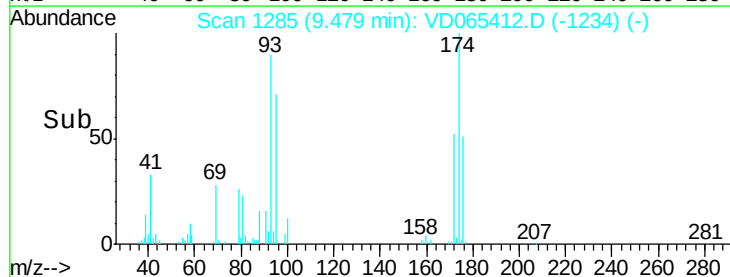
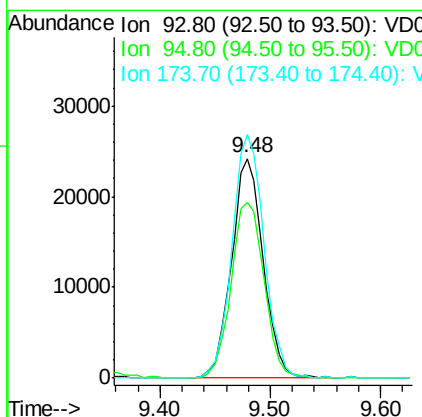
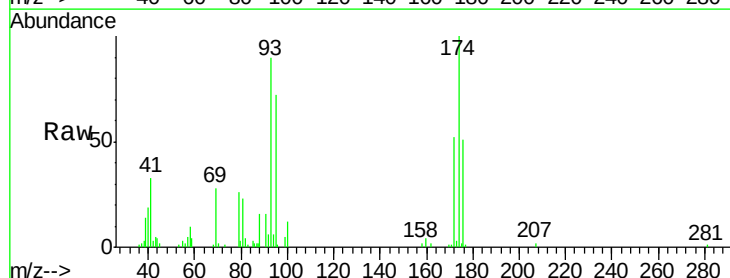
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

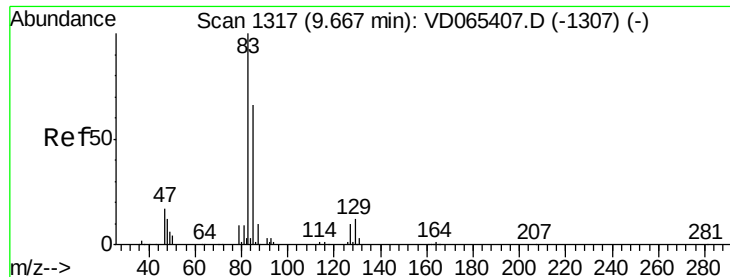
Tgt Ion: 63 Resp: 97506
 Ion Ratio Lower Upper
 63 100
 65 29.5 26.4 39.6



#46
 Dibromomethane
 Concen: 18.99 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion: 93 Resp: 48839
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.0 97.6
 174 111.7 88.3 132.5





#47

Bromodichloromethane

Concen: 19.59 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

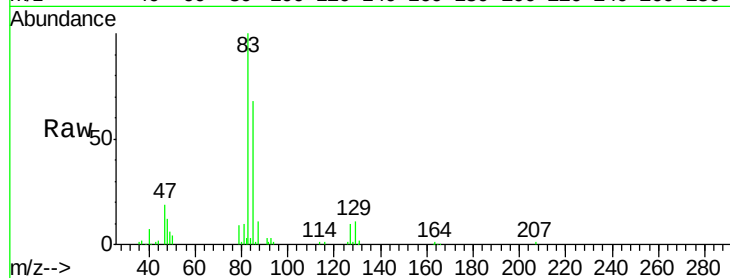
Tgt Ion: 83 Resp: 130808

Ion Ratio Lower Upper

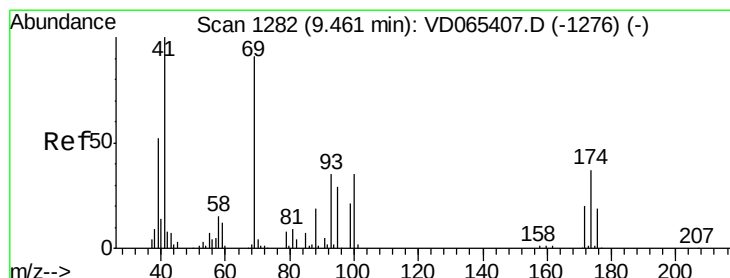
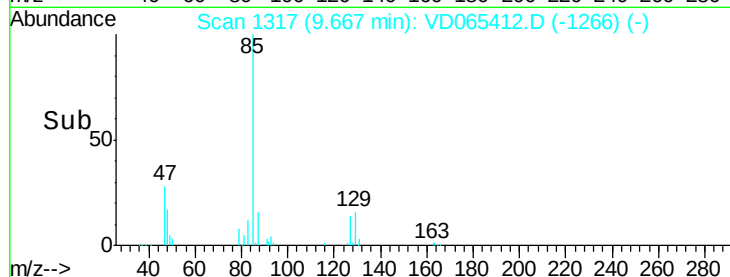
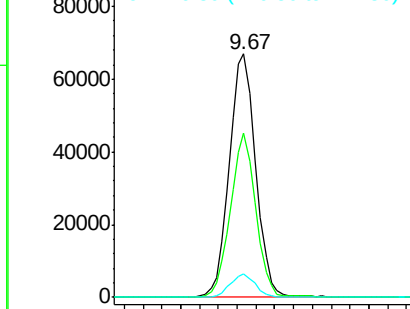
83 100

85 67.7 52.8 79.2

127 9.6 8.0 12.0



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



#48

Methyl methacrylate

Concen: 17.84 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

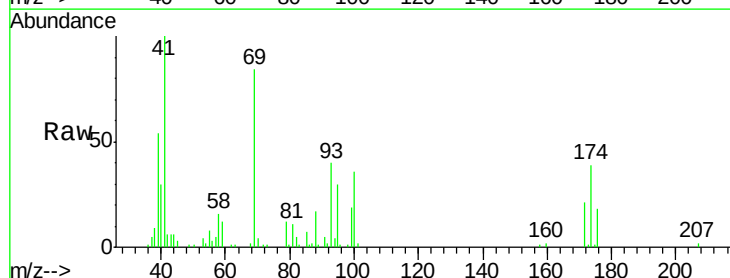
Tgt Ion: 41 Resp: 43932

Ion Ratio Lower Upper

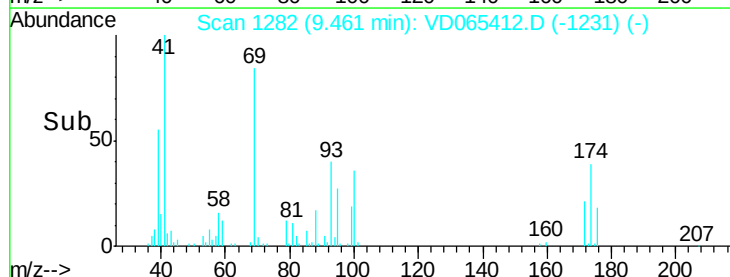
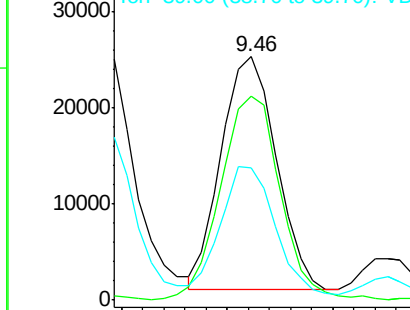
41 100

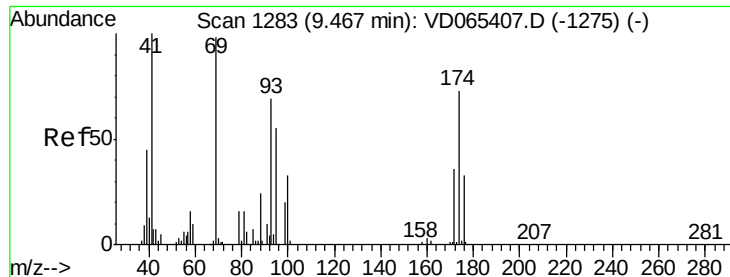
69 94.9 72.5 108.7

39 54.5 41.6 62.4



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





#49

1,4-Dioxane

Concen: 364.87 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

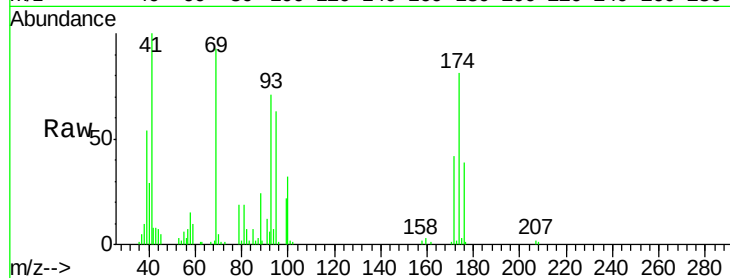
Tgt Ion: 88 Resp: 10802

Ion Ratio Lower Upper

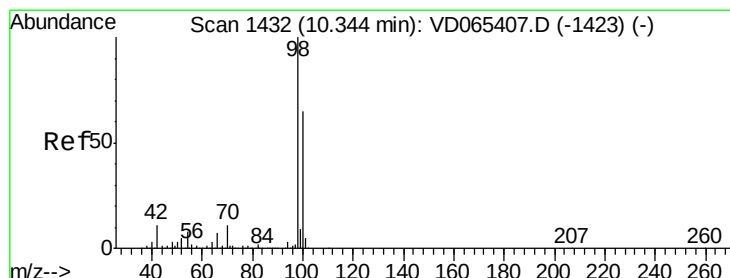
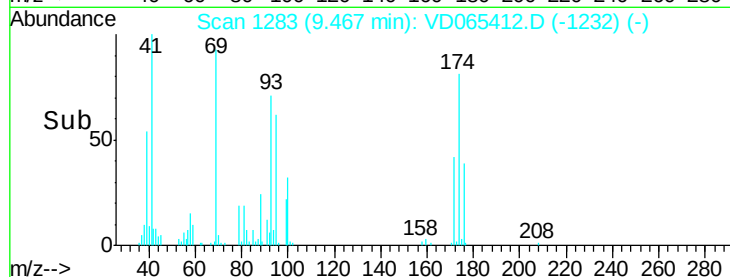
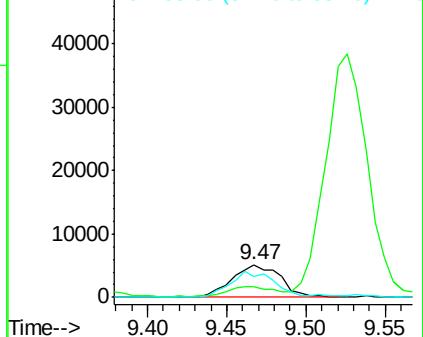
88 100

43 32.4 24.5 36.7

58 74.0 54.5 81.7



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: 19.29 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065412.D

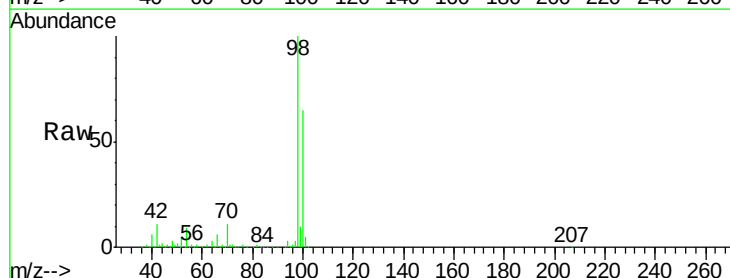
Acq: 04 Mar 2020 15:30

Tgt Ion: 98 Resp: 347059

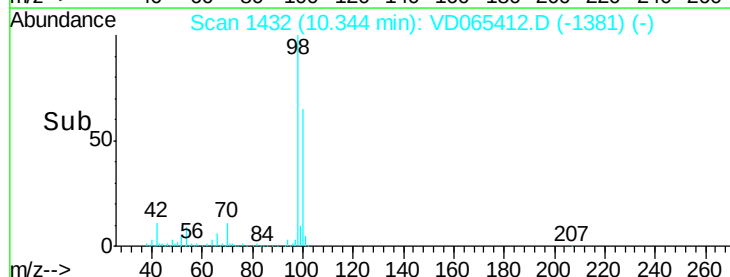
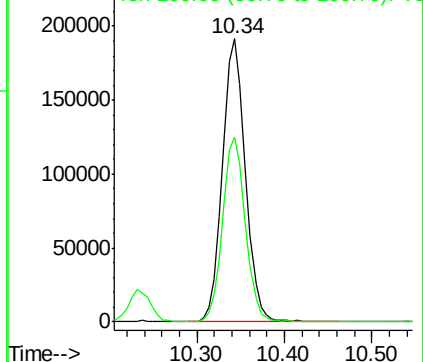
Ion Ratio Lower Upper

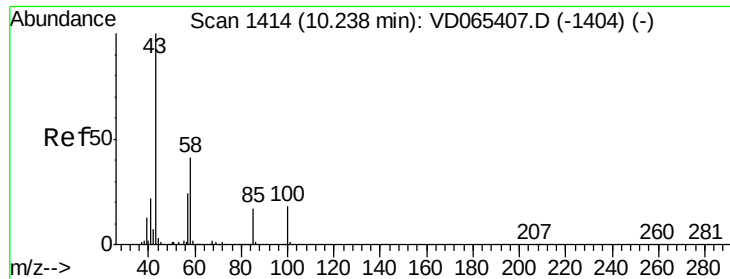
98 100

100 64.9 52.8 79.2



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

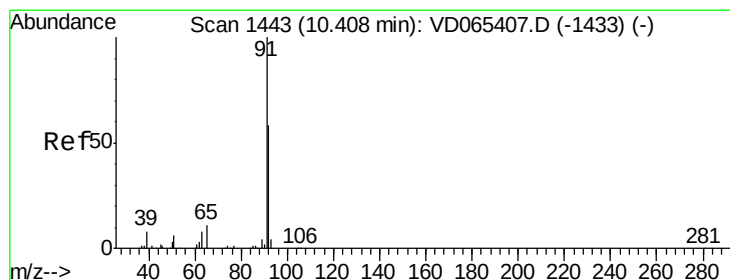
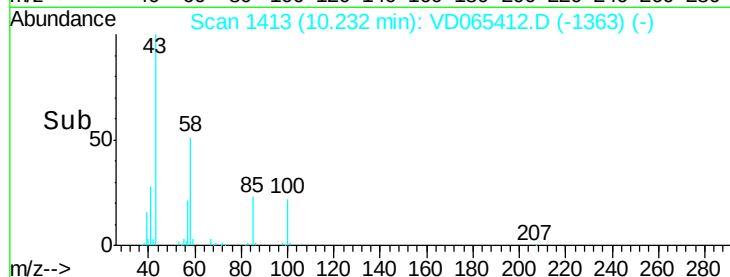
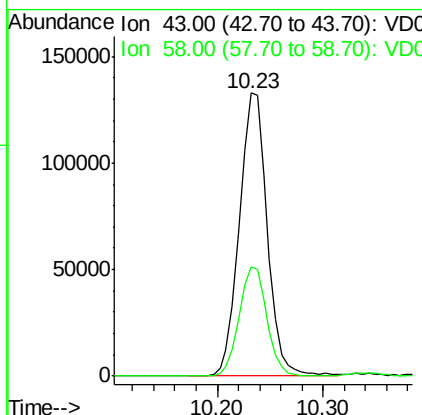
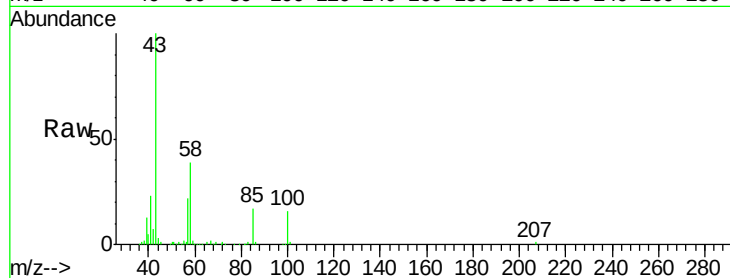




#51
4-Methyl-2-Pentanone
Concen: 92.37 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

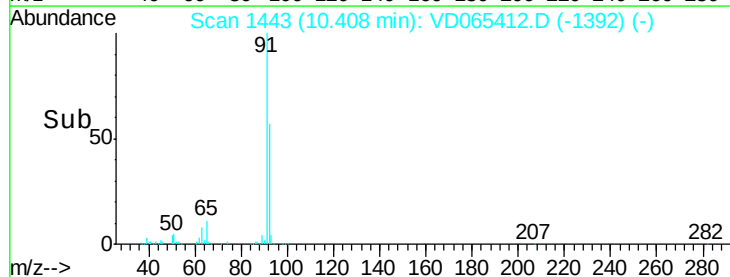
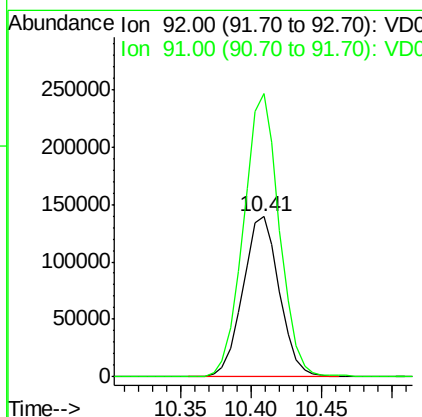
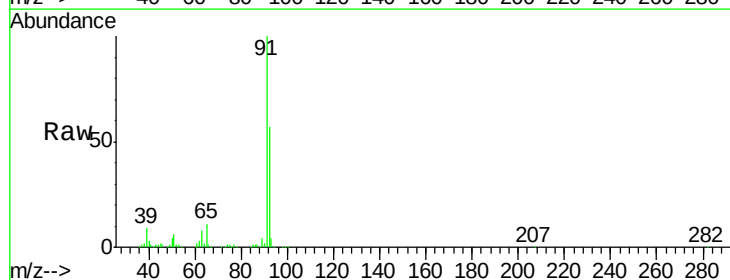
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

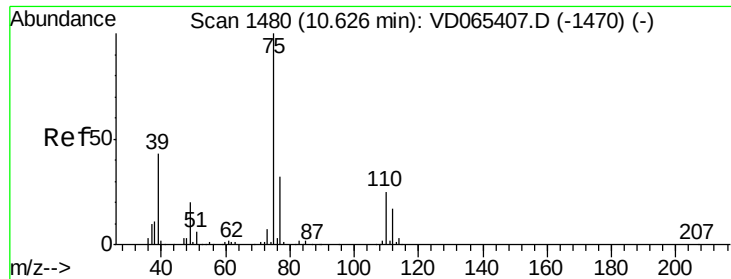
Tgt Ion: 43 Resp: 243123
Ion Ratio Lower Upper
43 100
58 38.5 31.8 47.6



#52
Toluene
Concen: 19.59 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion: 92 Resp: 251657
Ion Ratio Lower Upper
92 100
91 174.0 137.8 206.8

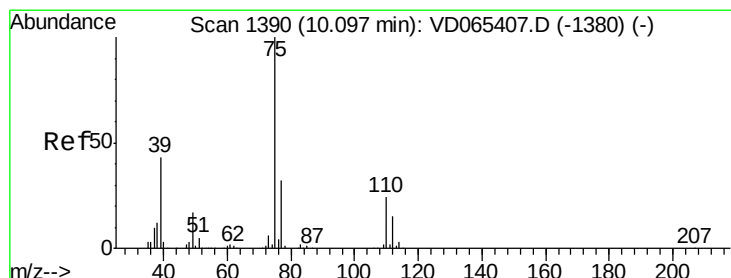
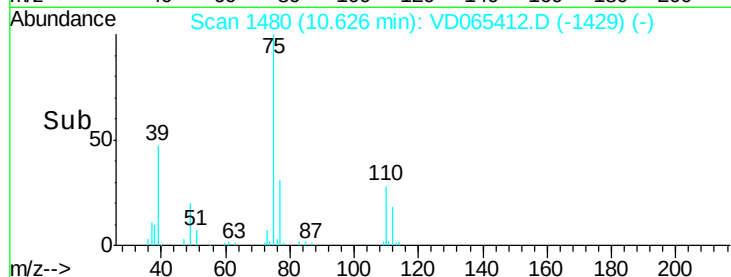
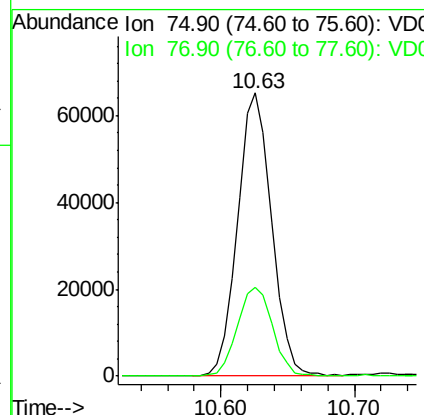
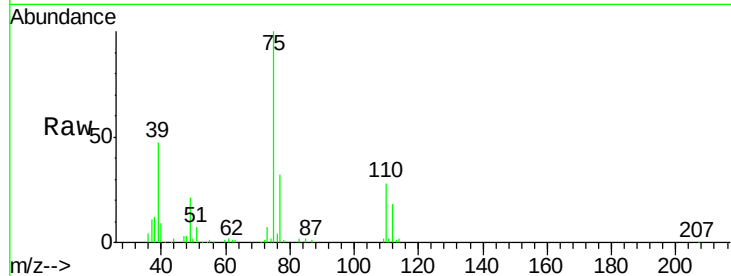




#53
t-1,3-Dichloropropene
Concen: 18.34 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

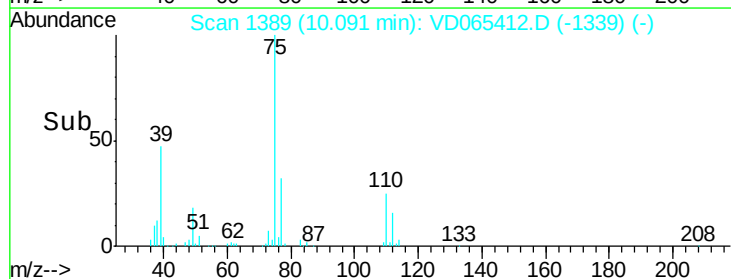
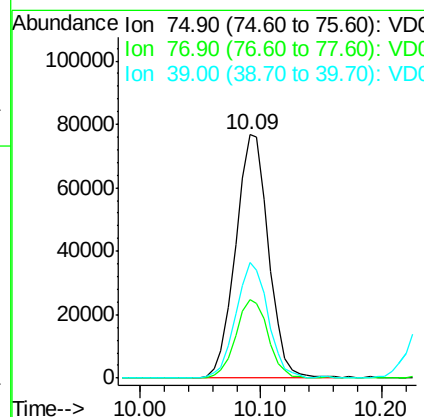
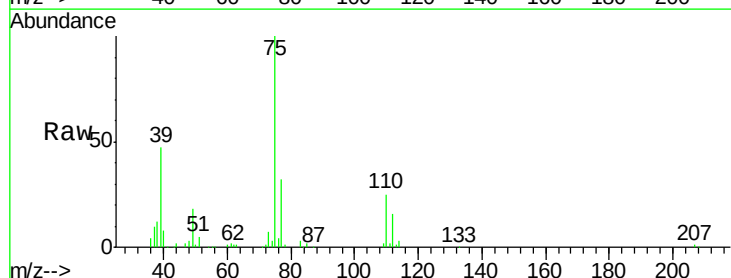
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

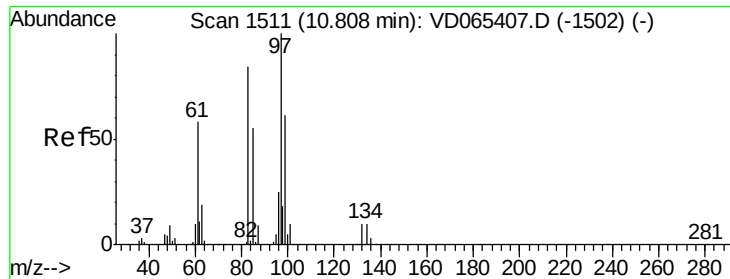
Tgt Ion: 75 Resp: 115197
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 19.14 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion: 75 Resp: 145207
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
39 47.1 34.6 52.0

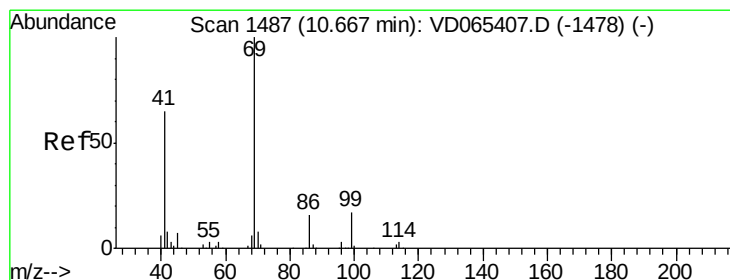
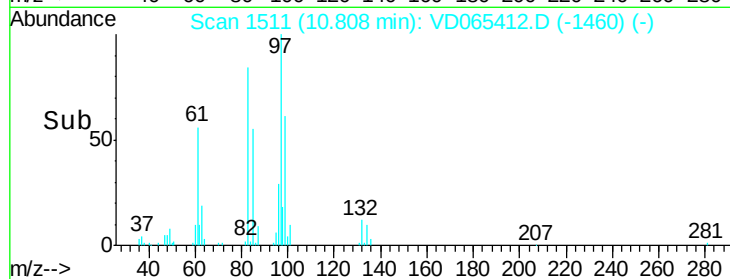
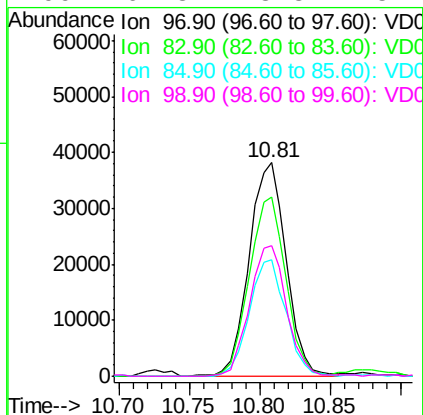
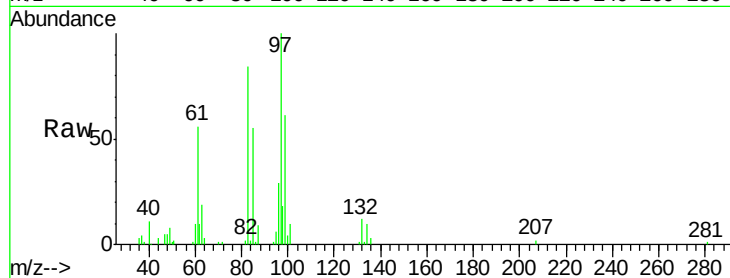




#55
 1,1,2-Trichloroethane
 Concen: 19.36 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

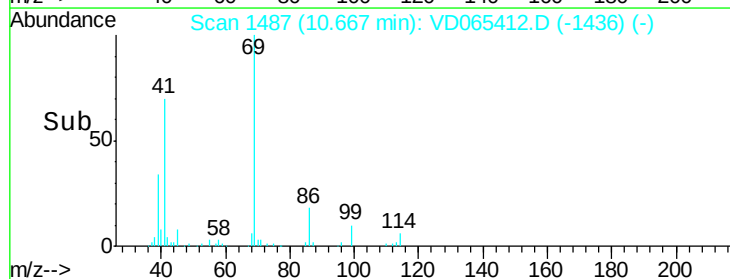
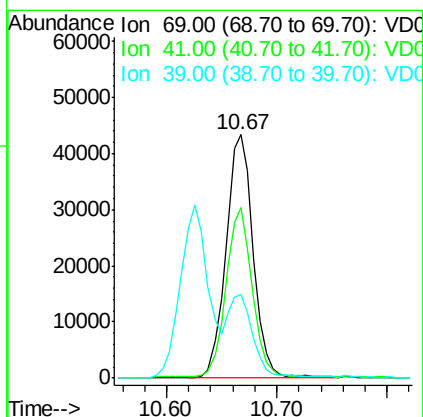
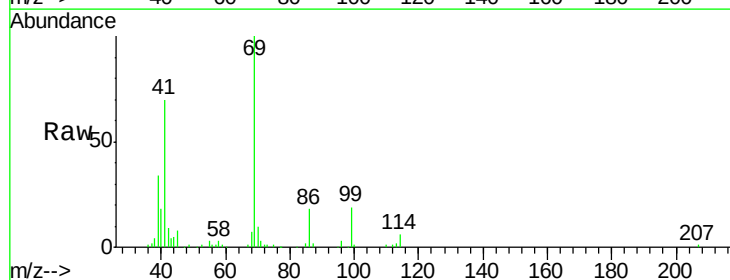
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

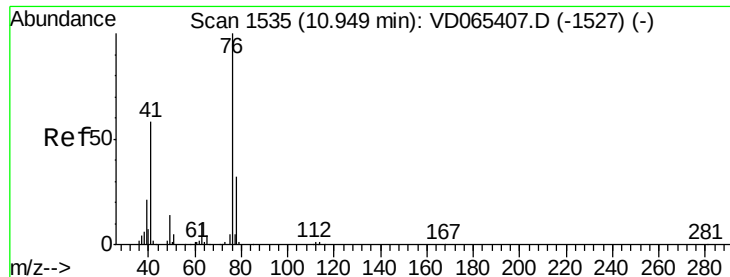
Tgt Ion:	97	Resp:	70403
Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.4	101.0
85	54.7	43.8	65.8
99	61.3	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 18.17 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion:	69	Resp:	74940
Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.0	79.6
39	30.5	26.0	39.0





#57

1,3-Dichloropropane

Concen: 19.04 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

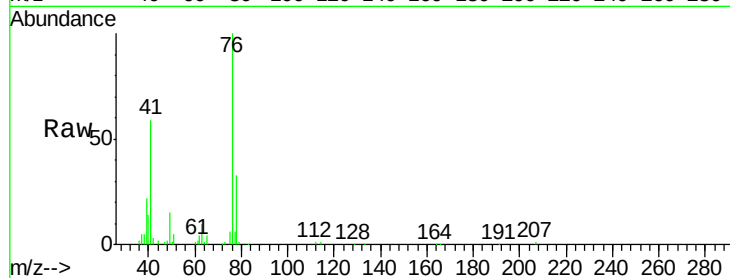
VSTDIC020

Tgt Ion: 76 Resp: 117528

Ion Ratio Lower Upper

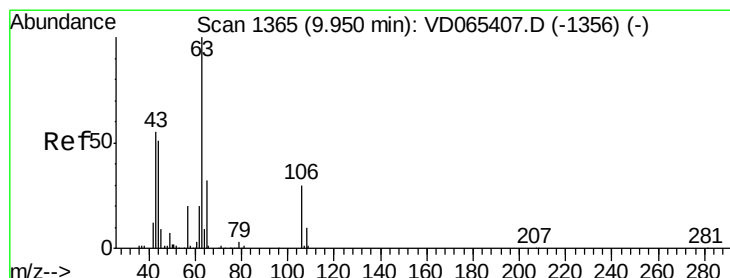
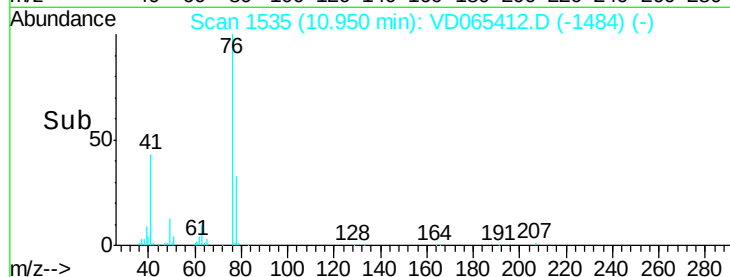
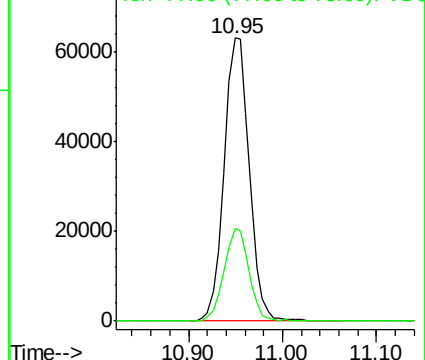
76 100

78 32.4 26.0 39.0



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: 81.87 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065412.D

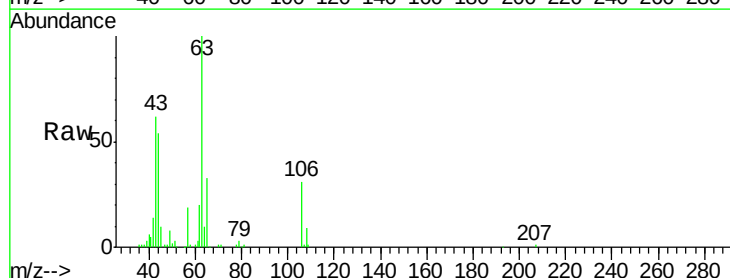
Acq: 04 Mar 2020 15:30

Tgt Ion: 63 Resp: 120029

Ion Ratio Lower Upper

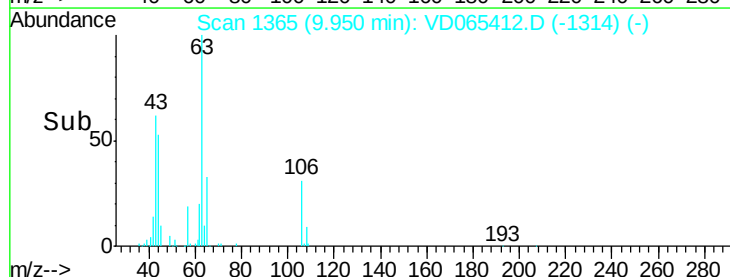
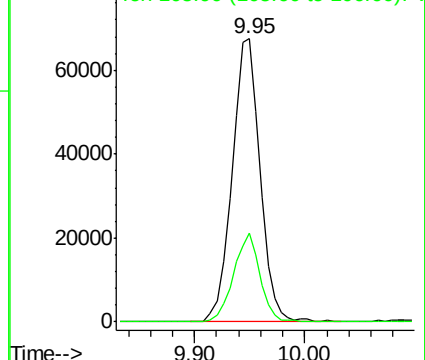
63 100

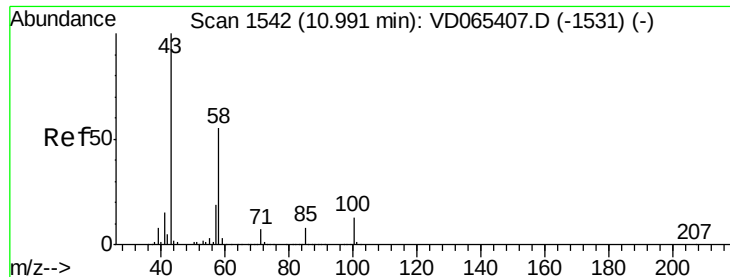
106 29.4 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

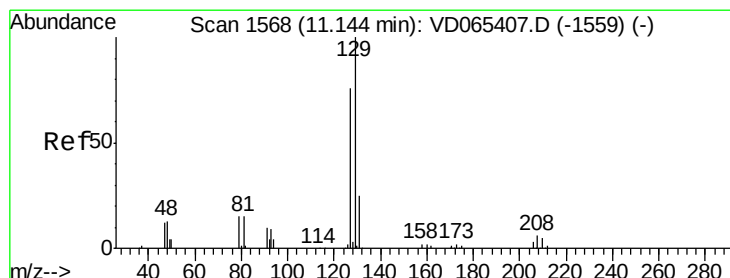
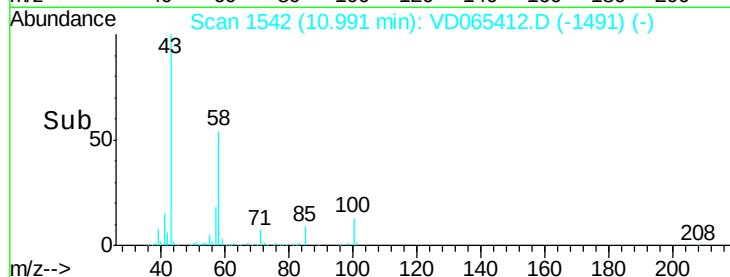
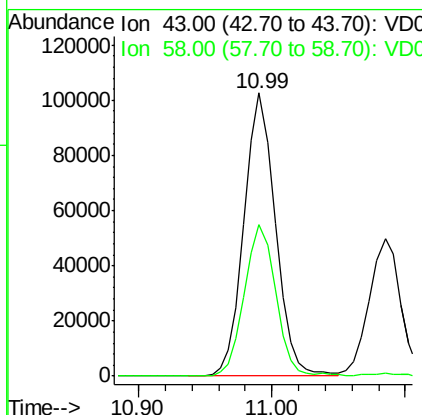
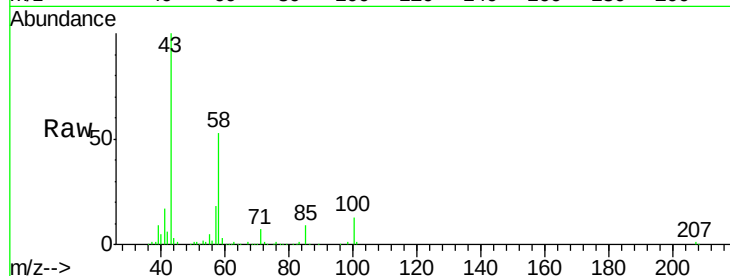




#59
2-Hexanone
Concen: 91.61 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

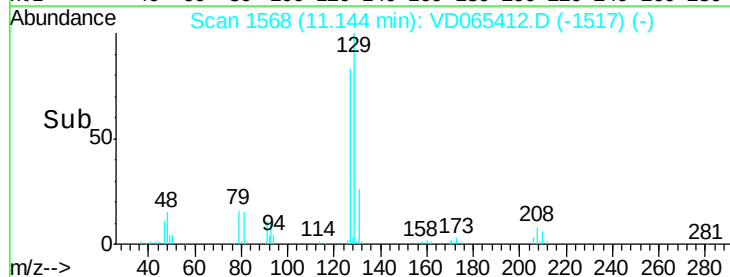
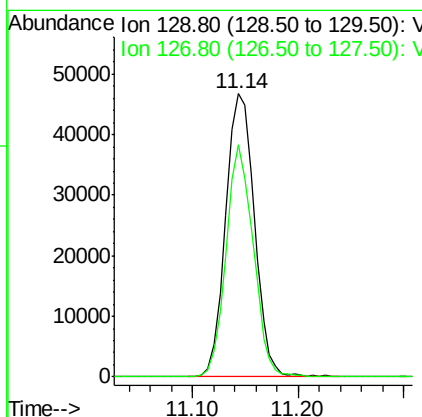
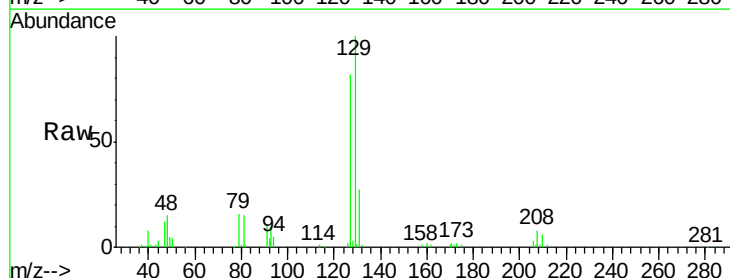
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

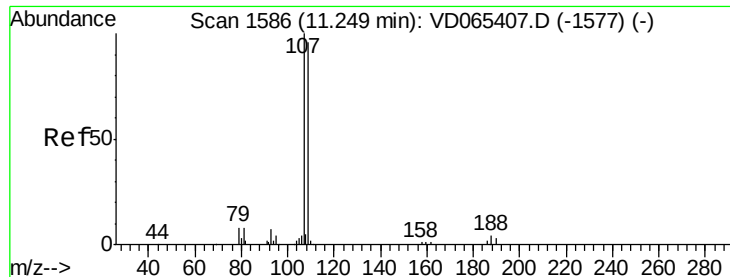
Tgt Ion: 43 Resp: 167155
Ion Ratio Lower Upper
43 100
58 53.5 27.4 82.2



#60
Dibromochloromethane
Concen: 18.81 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion: 129 Resp: 88114
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

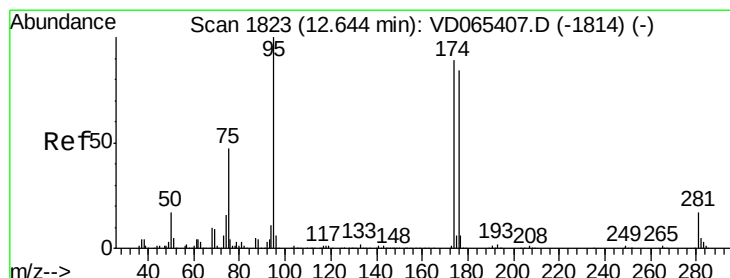
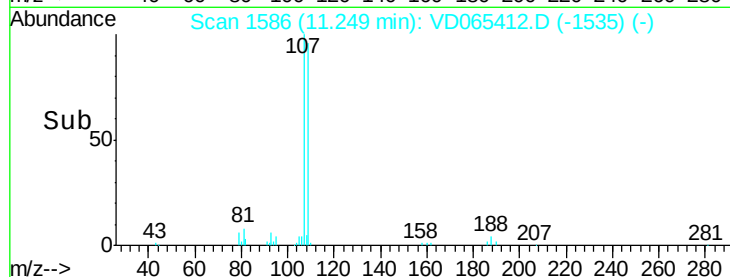
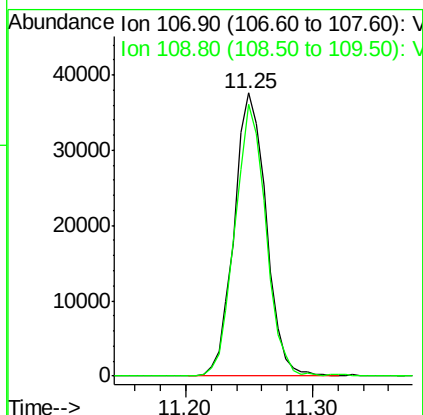
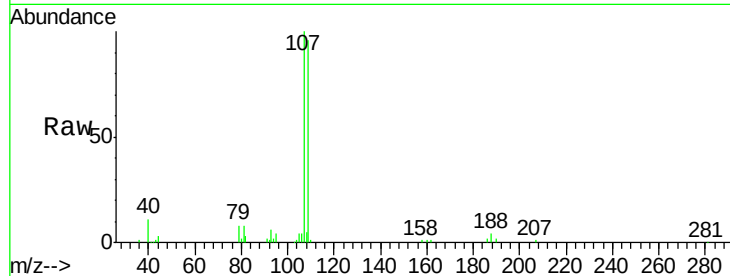




#61
 1,2-Dibromoethane
 Concen: 18.93 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

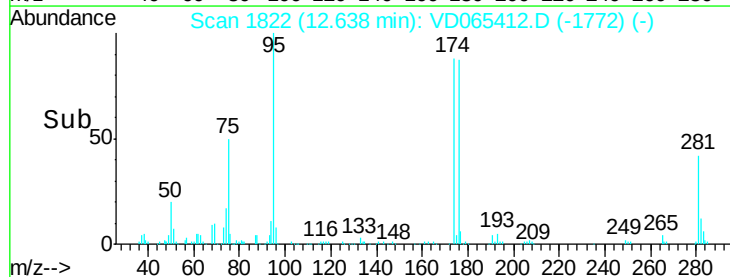
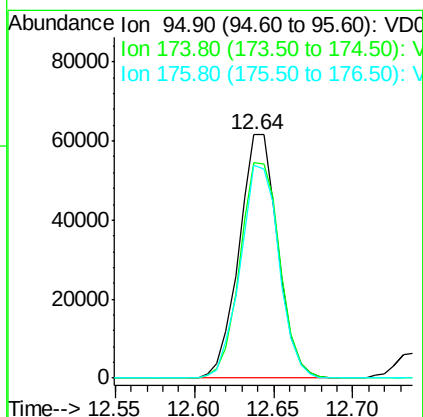
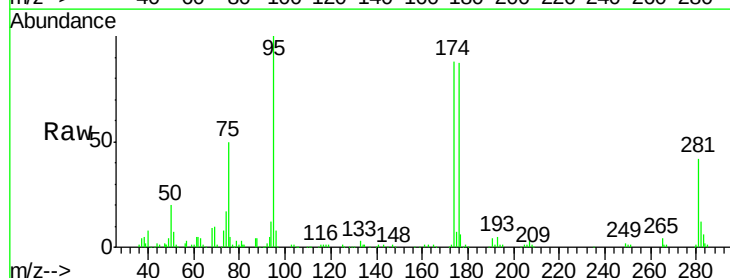
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

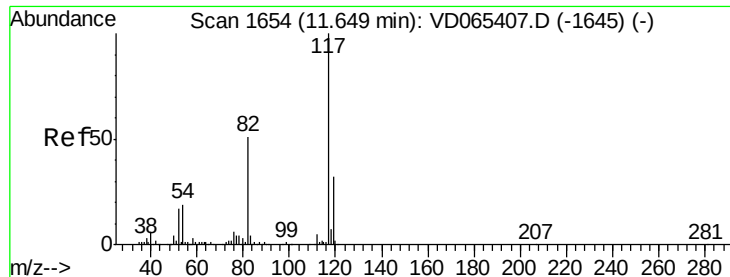
Tgt Ion: 107 Resp: 65770
 Ion Ratio Lower Upper
 107 100
 109 92.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 18.62 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion: 95 Resp: 104658
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 176.8
 176 87.3 0.0 171.4

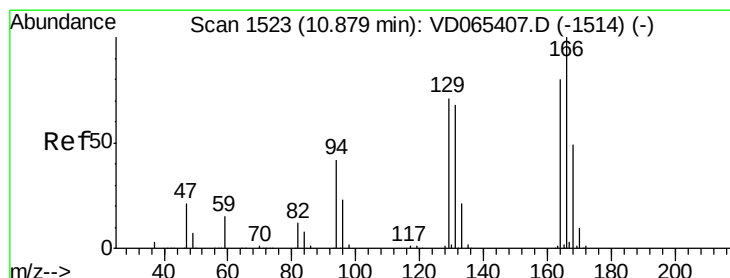
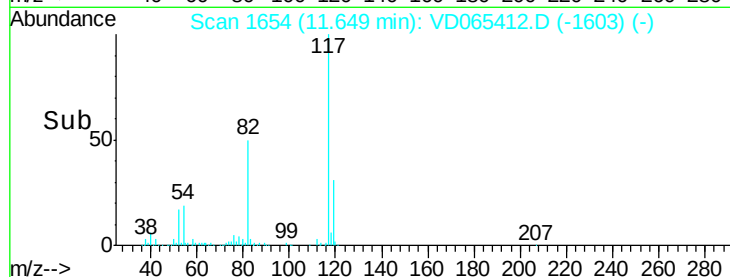
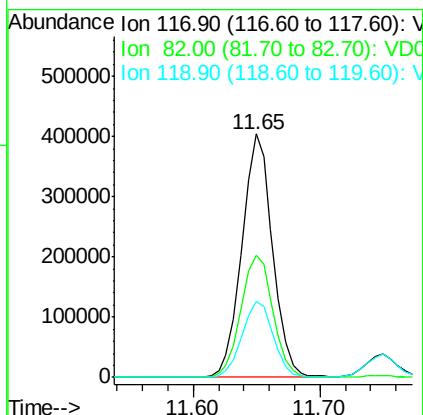
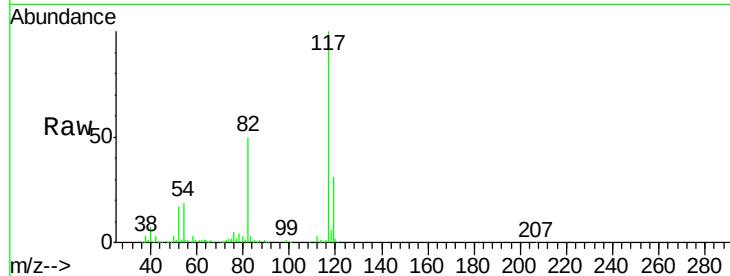




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

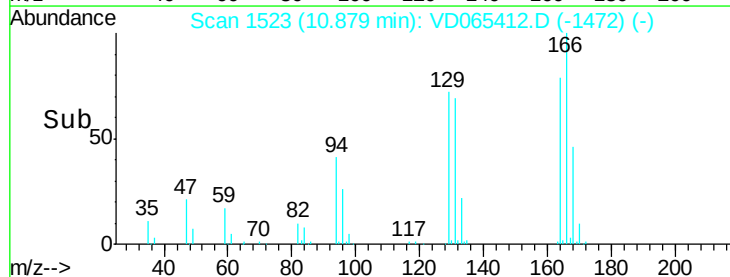
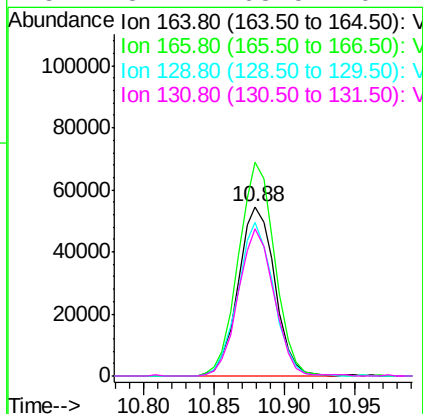
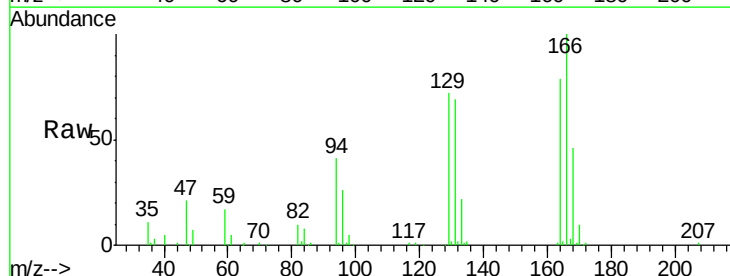
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

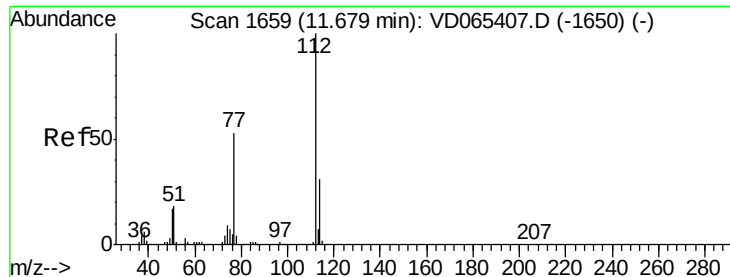
Tgt Ion:117 Resp: 677436
Ion Ratio Lower Upper
117 100
82 50.0 40.6 60.8
119 31.4 25.4 38.2



#64
Tetrachloroethene
Concen: 20.30 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion:164 Resp: 98763
Ion Ratio Lower Upper
164 100
166 126.4 100.5 150.7
129 91.1 71.5 107.3
131 87.4 68.5 102.7

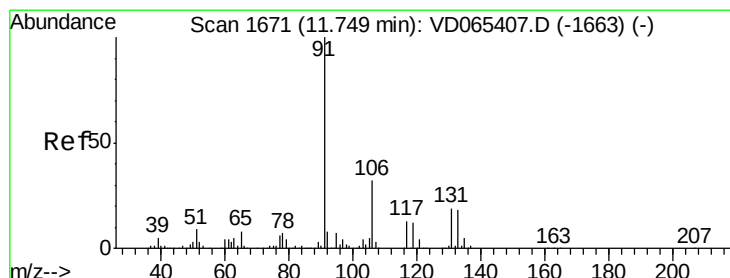
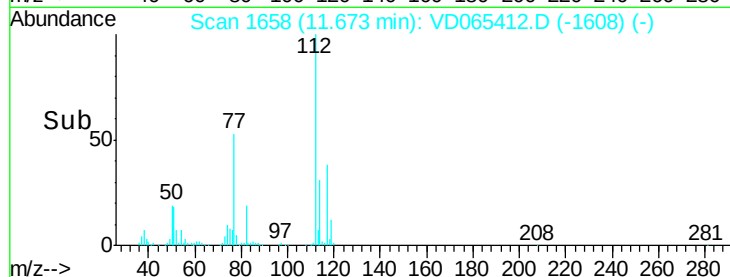
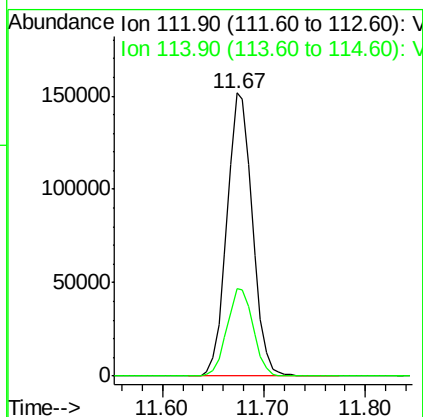
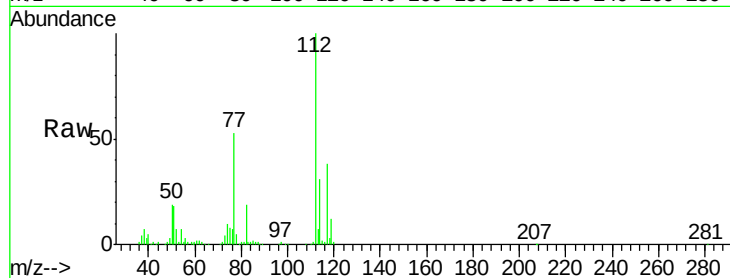




#65
Chlorobenzene
Concen: 19.64 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

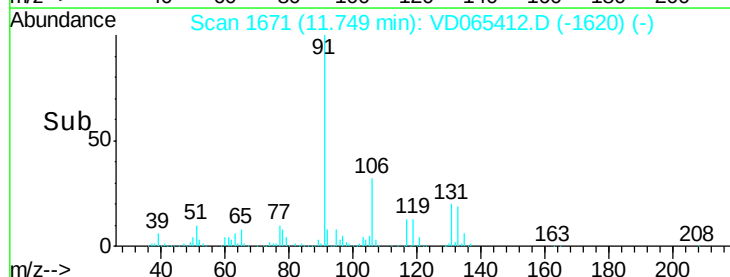
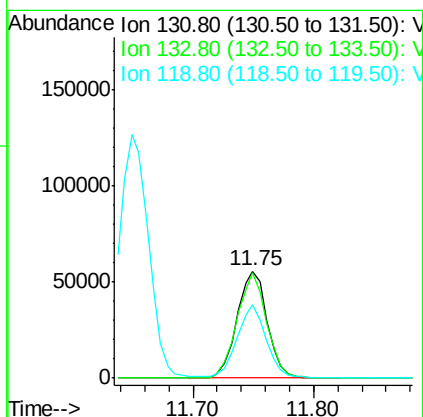
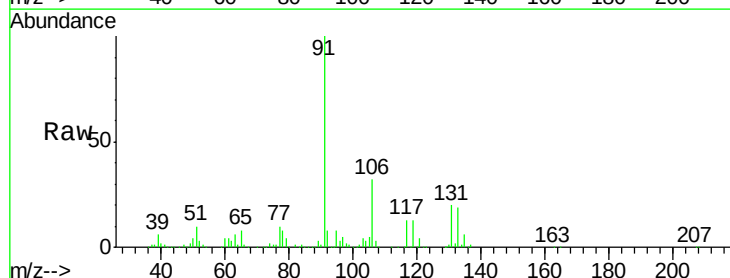
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

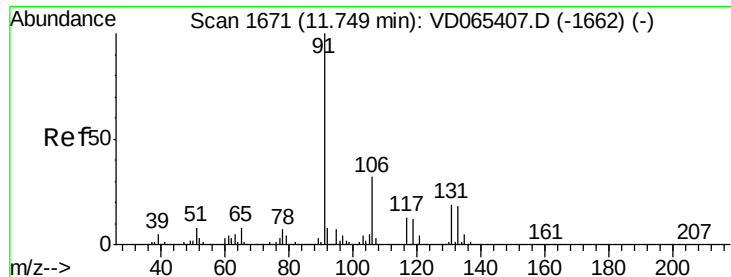
Tgt Ion:112 Resp: 264701
Ion Ratio Lower Upper
112 100
114 31.1 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.72 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion:131 Resp: 97044
Ion Ratio Lower Upper
131 100
133 96.8 49.2 147.6
119 66.8 33.3 99.8





#67

Ethyl Benzene

Concen: 19.87 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

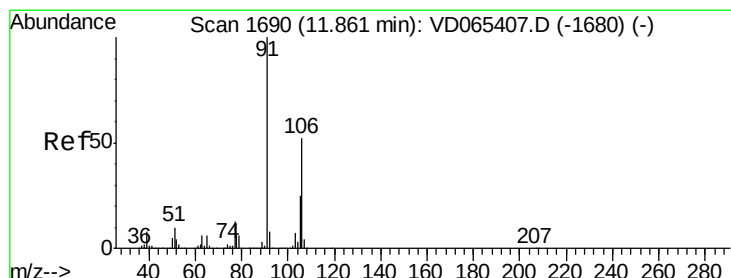
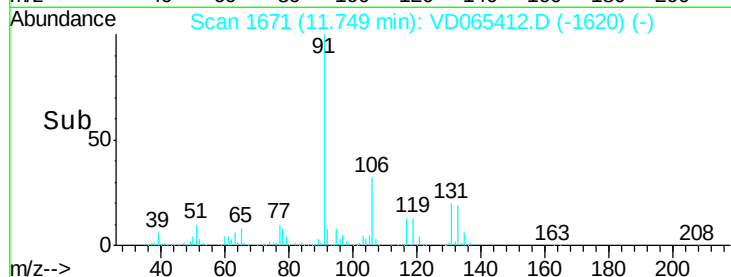
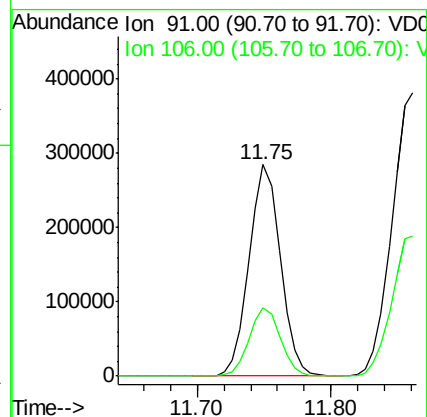
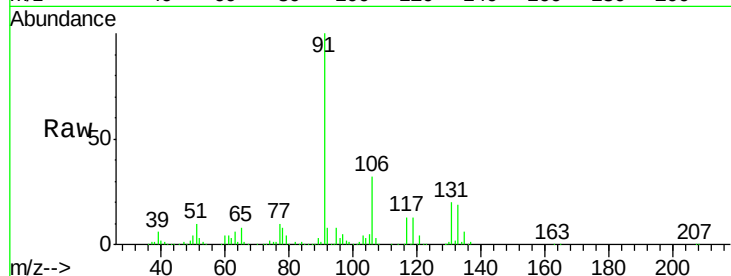
VSTDIC020

Tgt Ion: 91 Resp: 461684

Ion Ratio Lower Upper

91 100

106 32.3 25.2 37.8



#68

m/p-Xylenes

Concen: 40.40 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065412.D

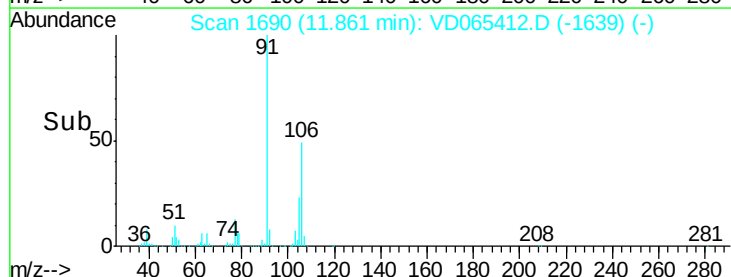
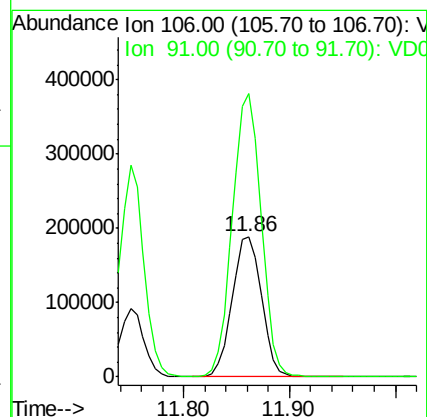
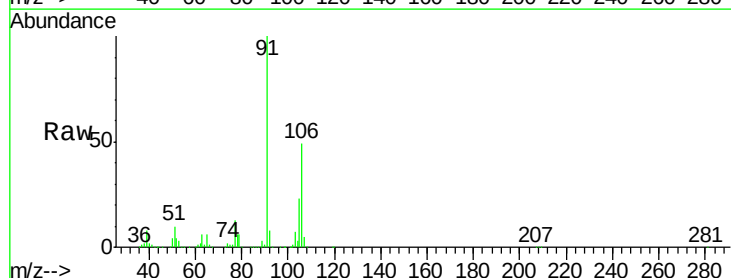
Acq: 04 Mar 2020 15:30

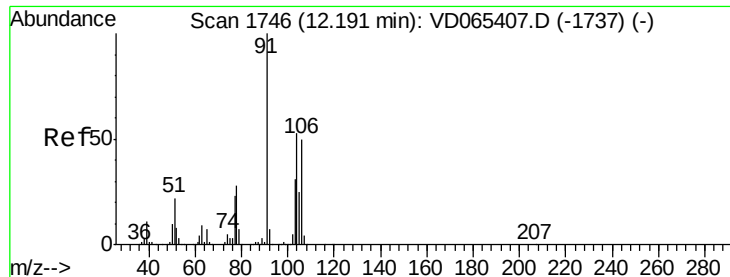
Tgt Ion: 106 Resp: 361858

Ion Ratio Lower Upper

106 100

91 198.9 155.9 233.9

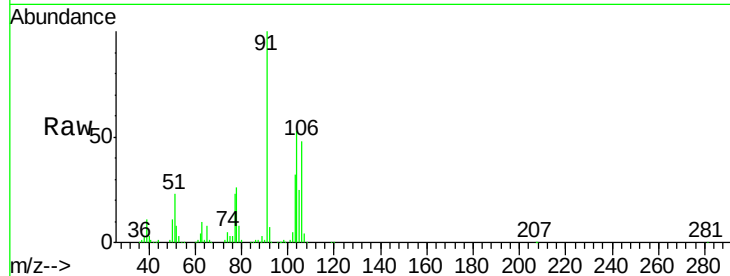




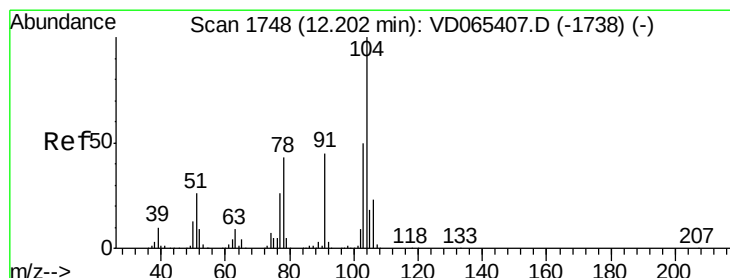
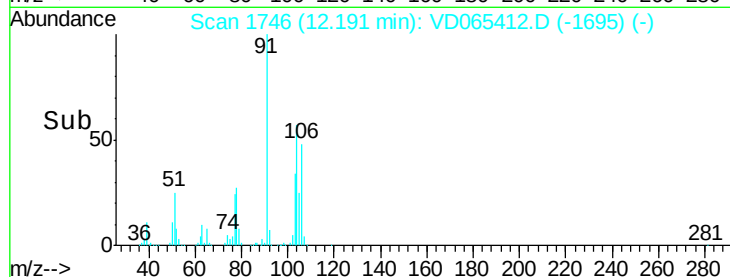
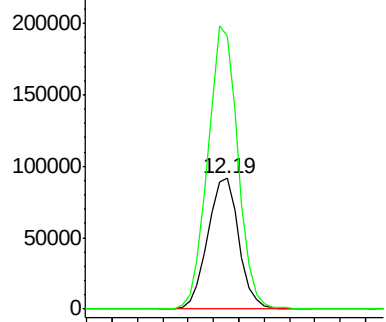
#69
o-Xylene
Concen: 19.89 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 156691
Ion Ratio Lower Upper
106 100
91 207.3 103.5 310.3

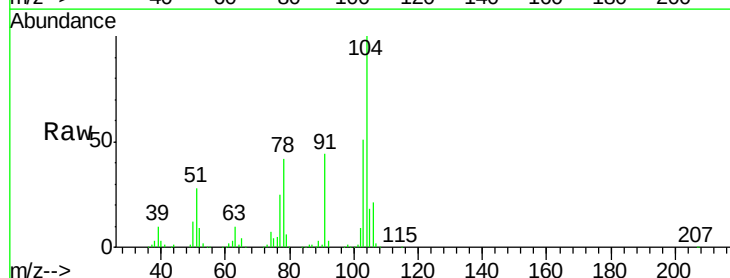


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

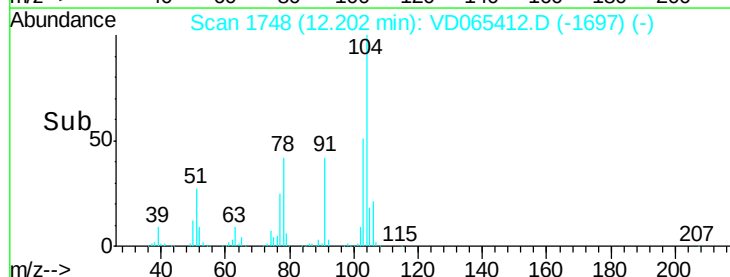
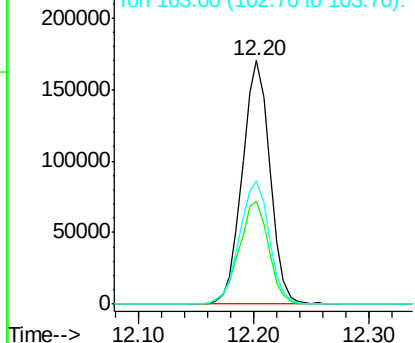


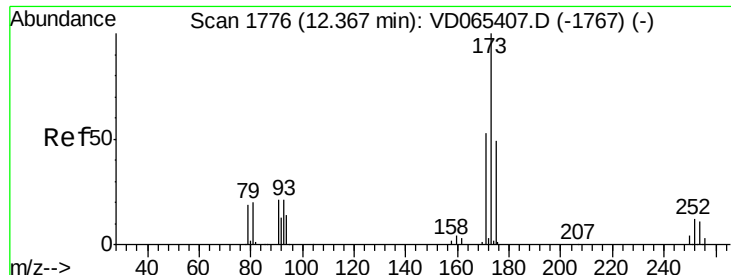
#70
Styrene
Concen: 20.37 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion:104 Resp: 282995
Ion Ratio Lower Upper
104 100
78 45.1 37.7 56.5
103 54.7 43.6 65.4



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





#71

Bromoform

Concen: 18.96 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

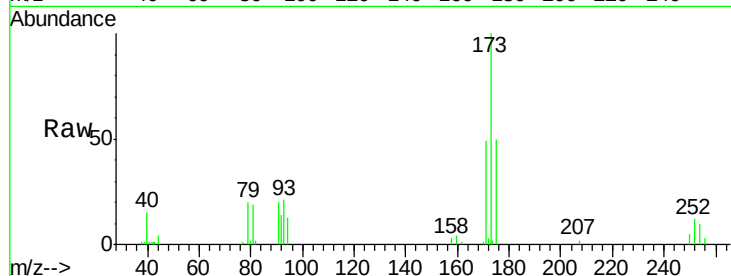
Tgt Ion:173 Resp: 52624

Ion Ratio Lower Upper

173 100

175 47.5 24.3 73.0

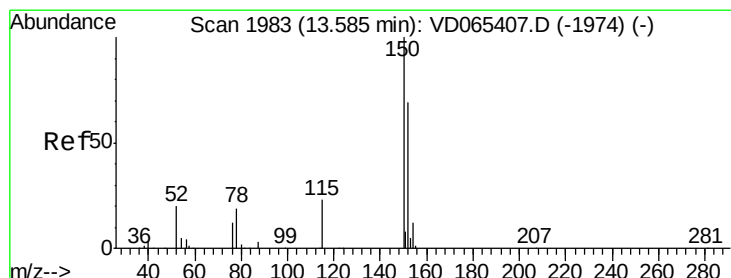
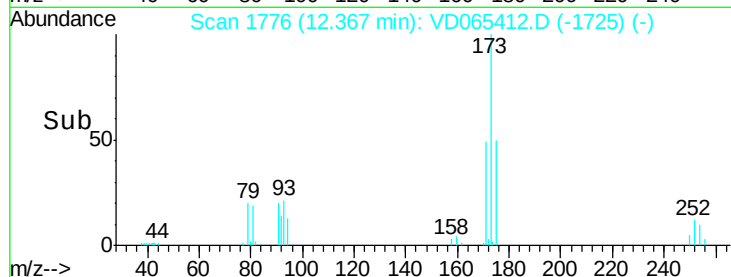
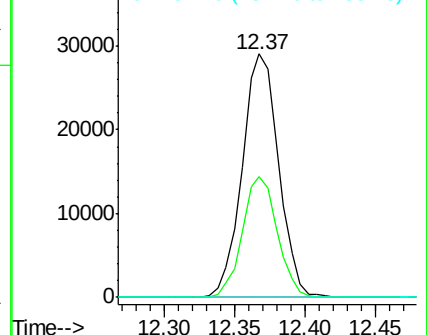
254 0.0 0.1 0.1#



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: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

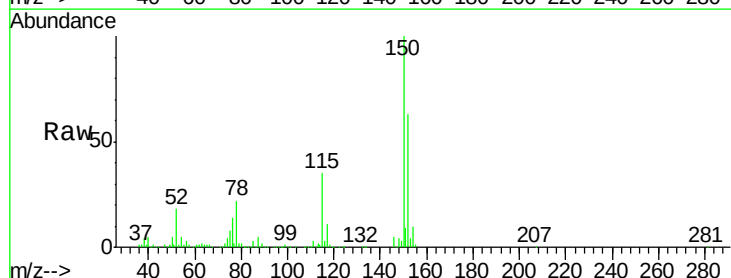
Tgt Ion:152 Resp: 333783

Ion Ratio Lower Upper

152 100

115 54.3 27.6 82.8

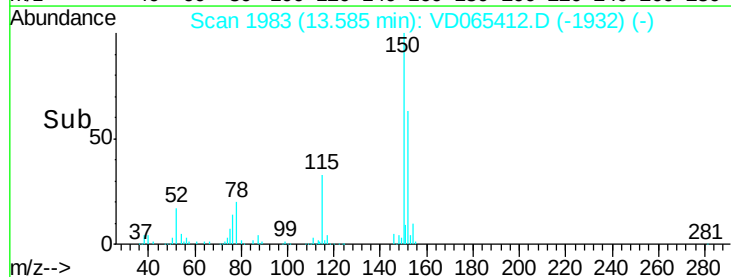
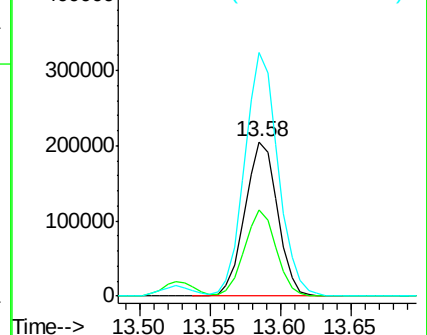
150 161.5 0.0 345.0

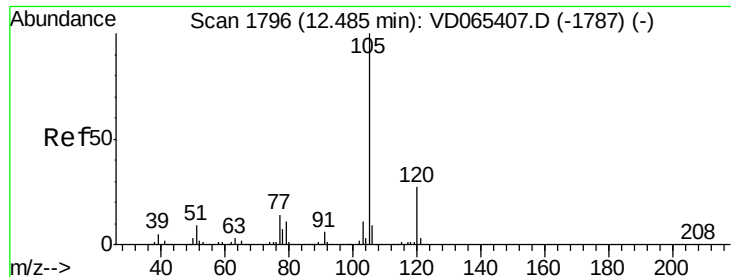


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.87 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

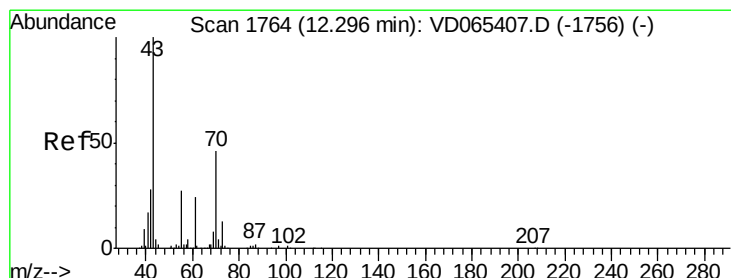
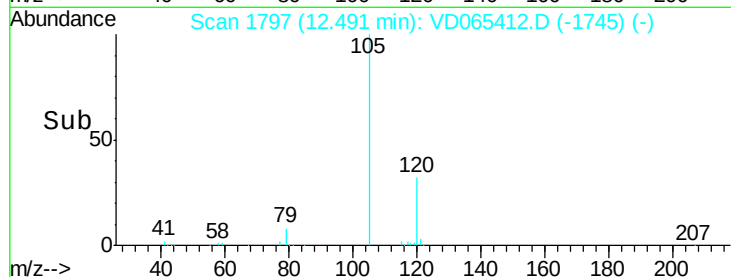
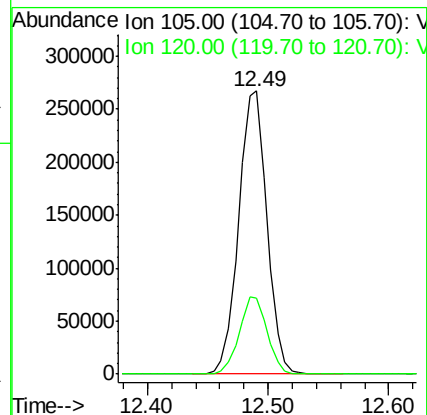
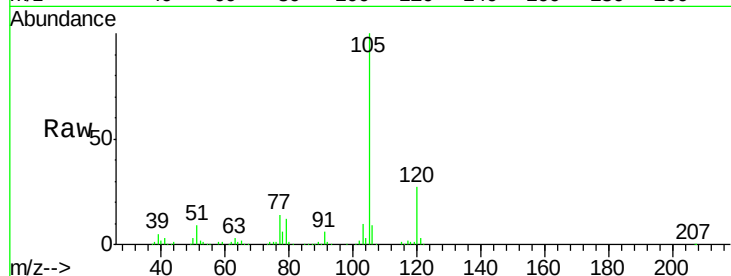
VSTDIC020

Tgt Ion: 105 Resp: 435691

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



#74

N-ethyl acetate

Concen: 18.11 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Tgt Ion: 43 Resp: 82002

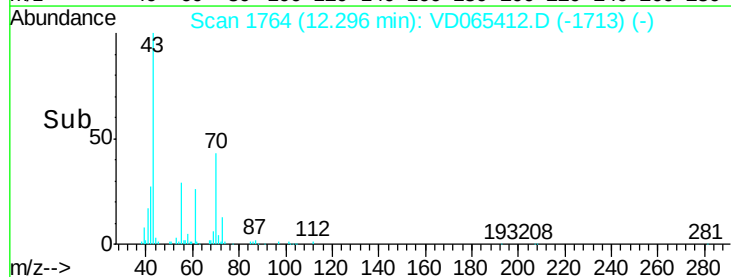
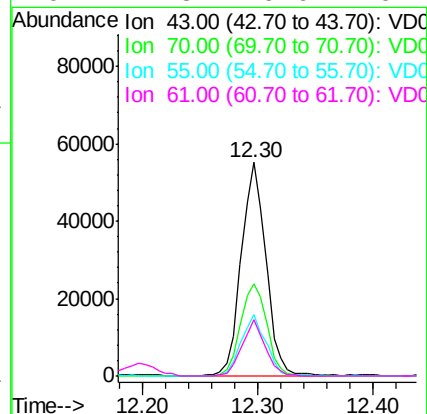
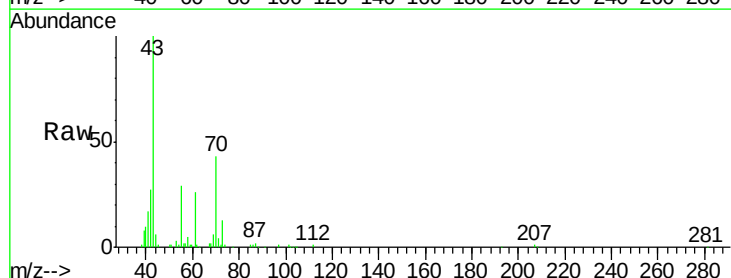
Ion Ratio Lower Upper

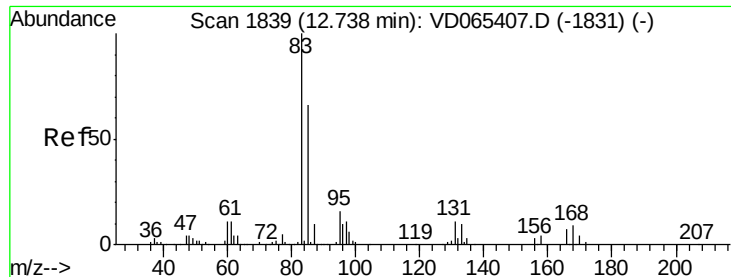
43 100

70 45.8 36.1 54.1

55 29.2 21.6 32.4

61 24.8 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.76 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

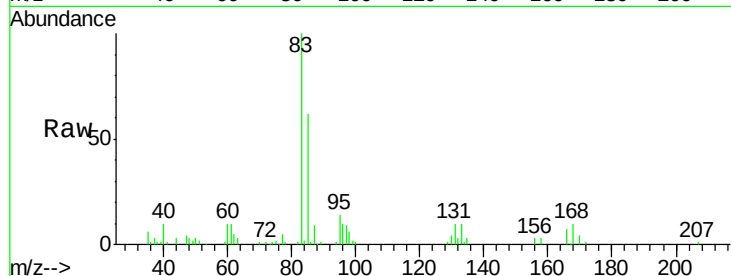
Tgt Ion: 83 Resp: 72952

Ion Ratio Lower Upper

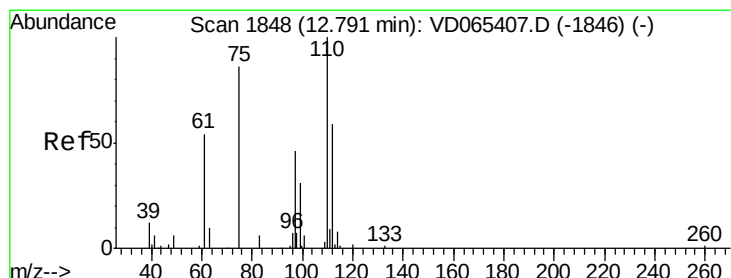
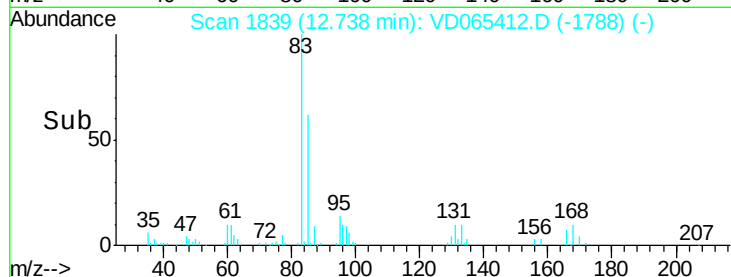
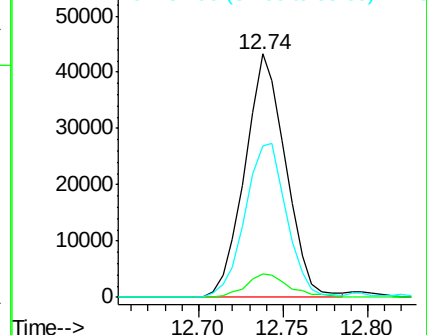
83 100

131 10.2 5.4 16.2

85 64.3 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 20.24 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065412.D

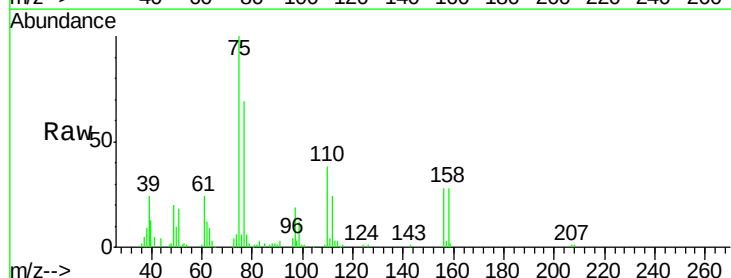
Acq: 04 Mar 2020 15:30

Tgt Ion: 75 Resp: 93310

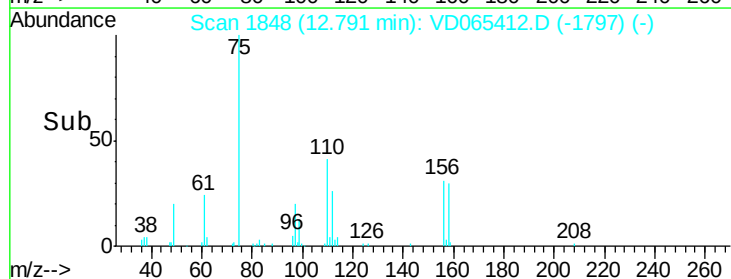
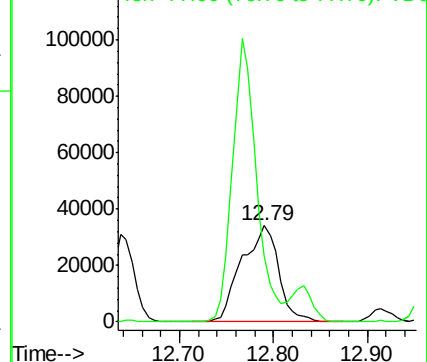
Ion Ratio Lower Upper

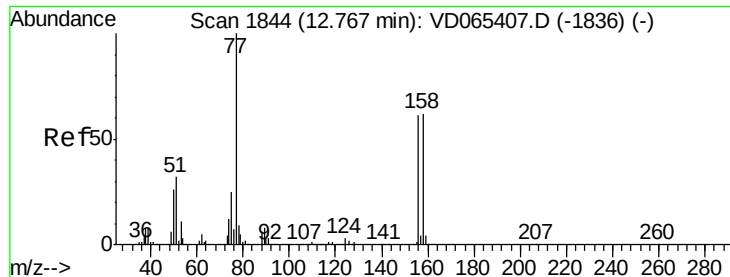
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.20 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

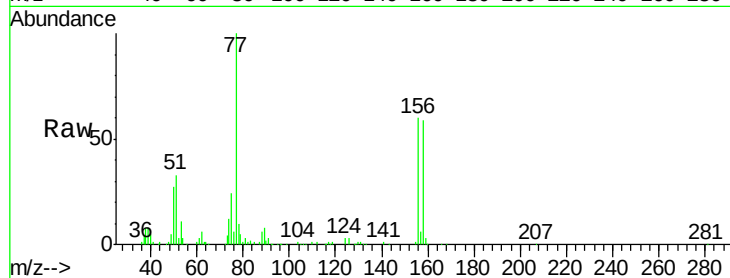
Tgt Ion:156 Resp: 105527

Ion Ratio Lower Upper

156 100

77 169.1 84.9 254.6

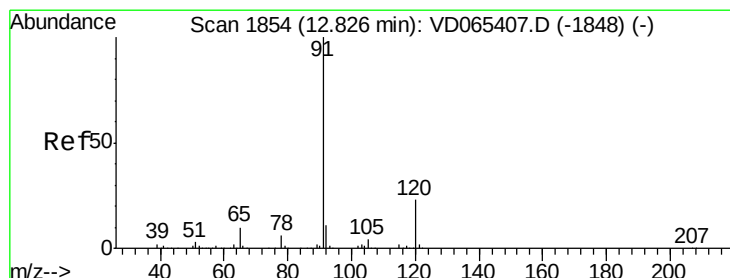
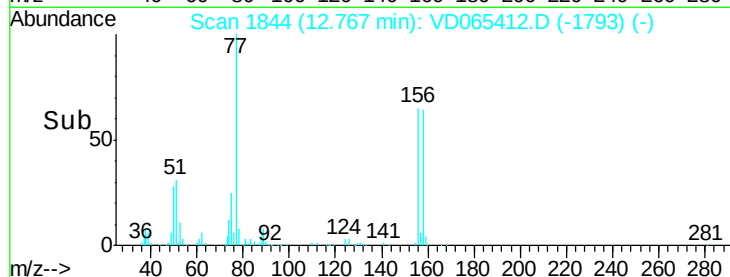
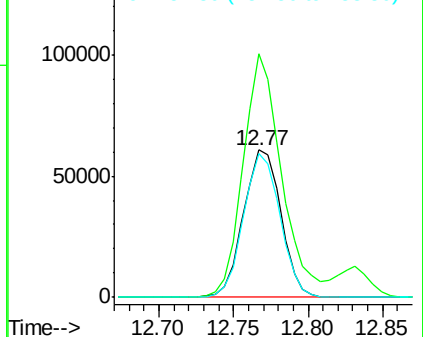
158 95.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.01 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065412.D

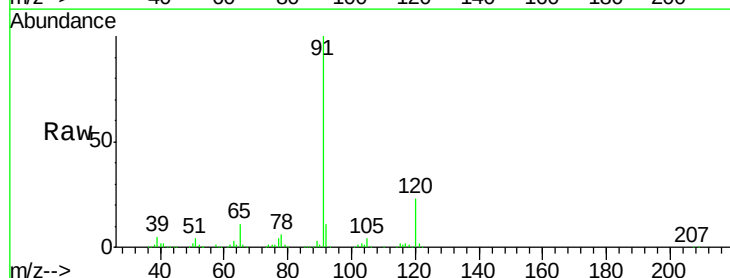
Acq: 04 Mar 2020 15:30

Tgt Ion: 91 Resp: 522145

Ion Ratio Lower Upper

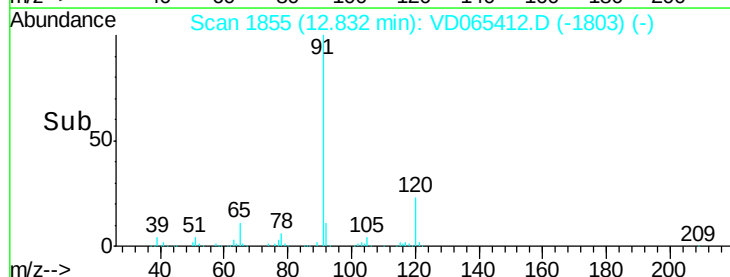
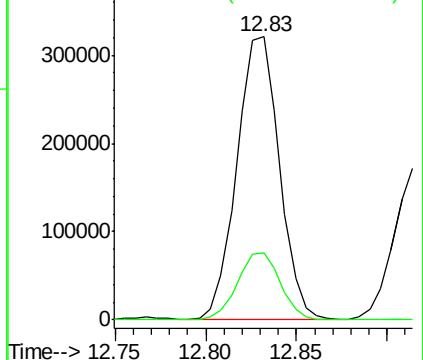
91 100

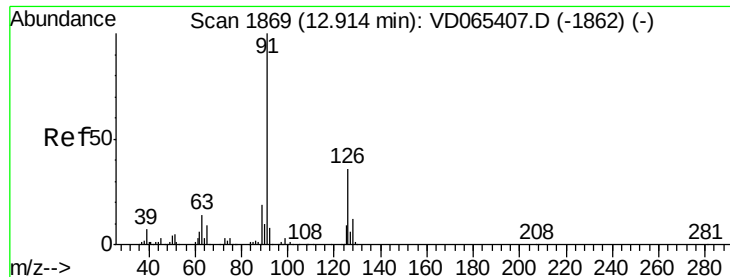
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.00 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

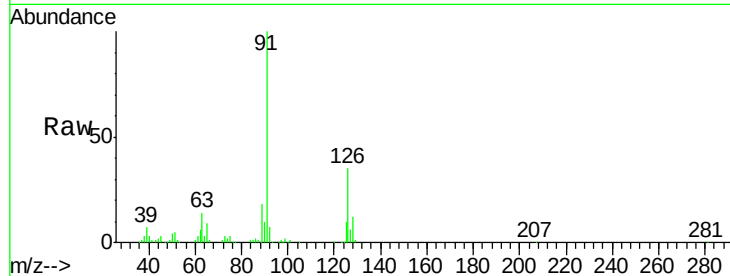
VSTDIC020

Tgt Ion: 91 Resp: 293598

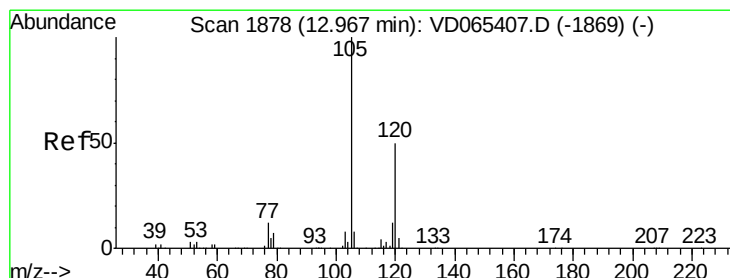
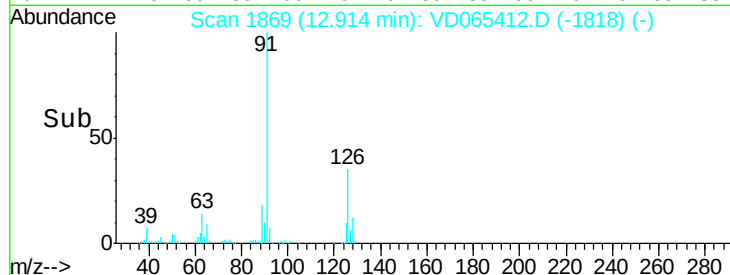
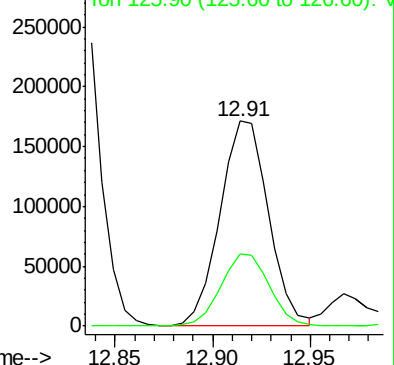
Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD065412.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.97 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065412.D

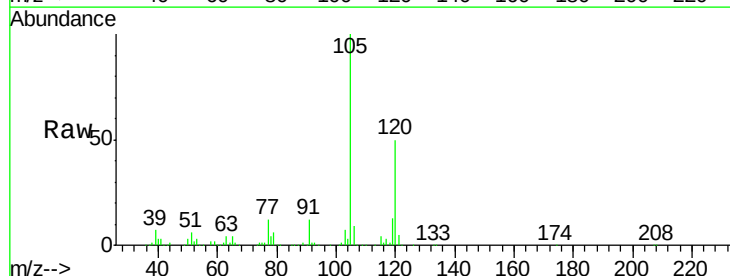
Acq: 04 Mar 2020 15:30

Tgt Ion: 105 Resp: 360491

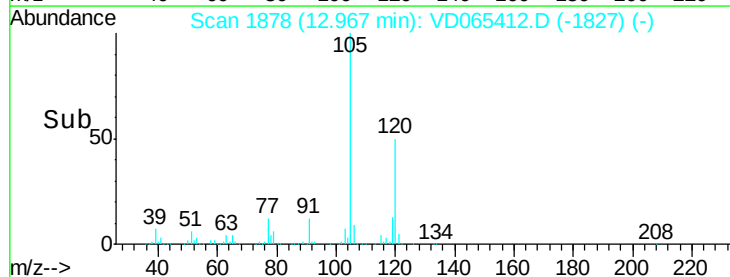
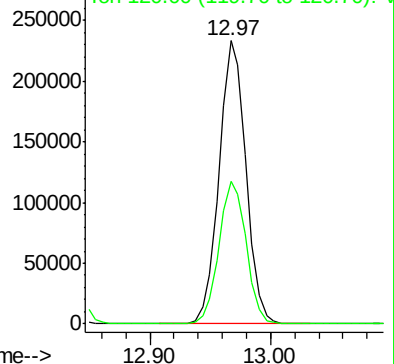
Ion Ratio Lower Upper

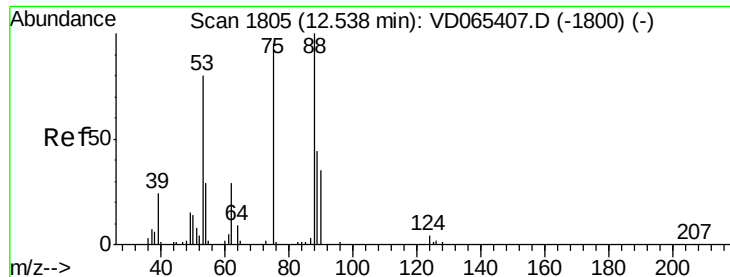
105 100

120 51.3 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065412.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.74 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

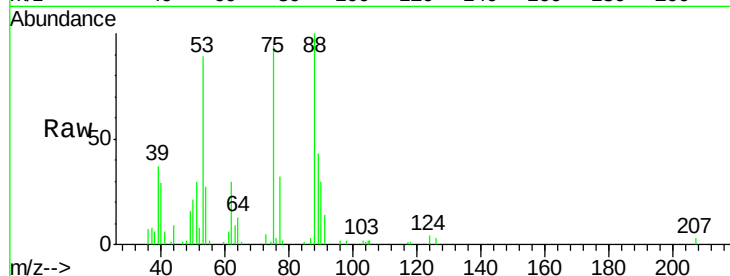
Tgt Ion: 75 Resp: 23437

Ion Ratio Lower Upper

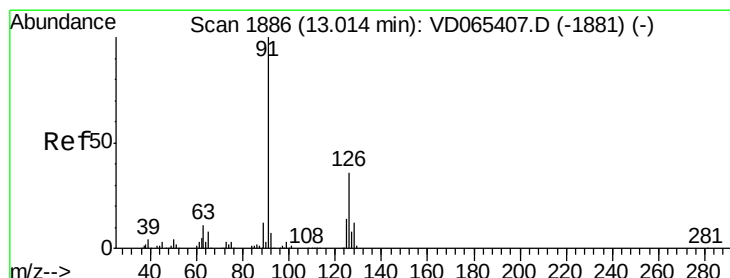
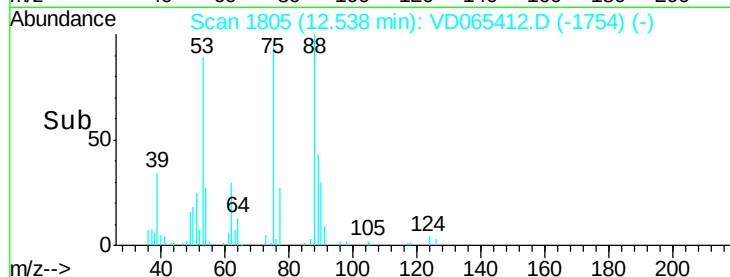
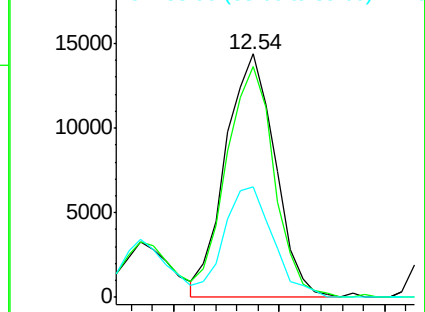
75 100

53 91.6 71.3 106.9

89 45.0 37.0 55.6



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.03 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065412.D

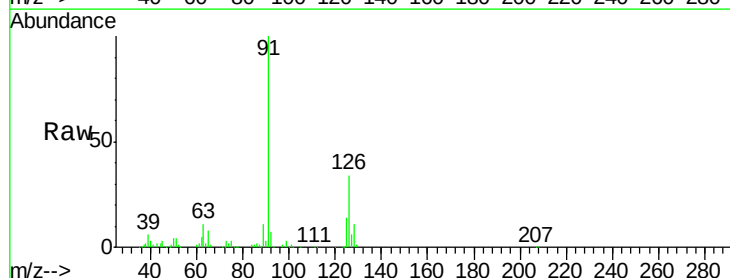
Acq: 04 Mar 2020 15:30

Tgt Ion: 91 Resp: 309958

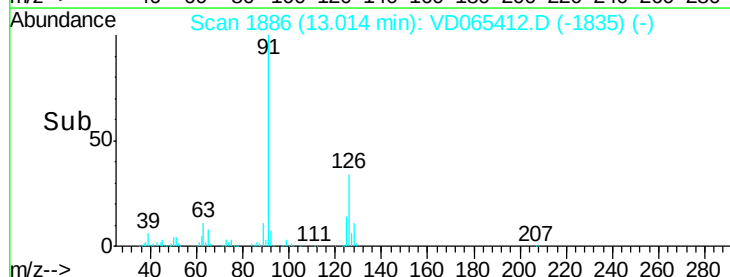
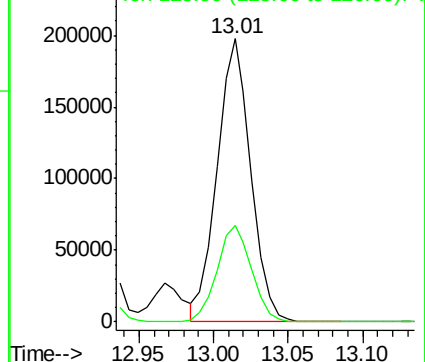
Ion Ratio Lower Upper

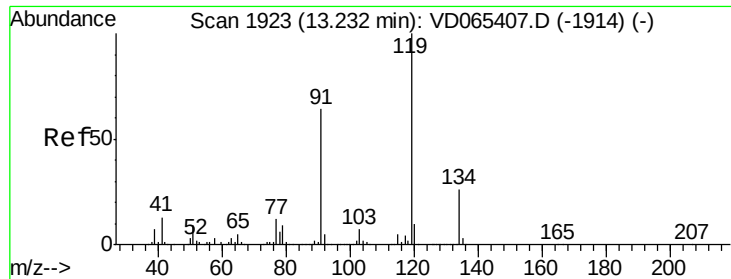
91 100

126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

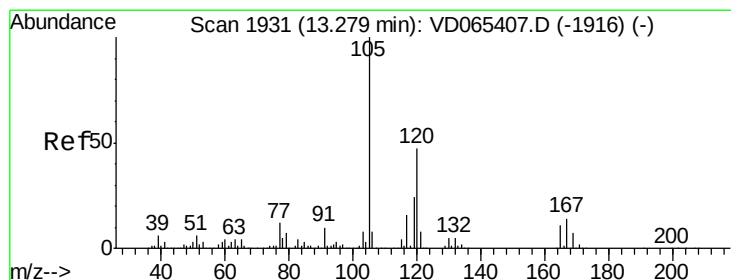
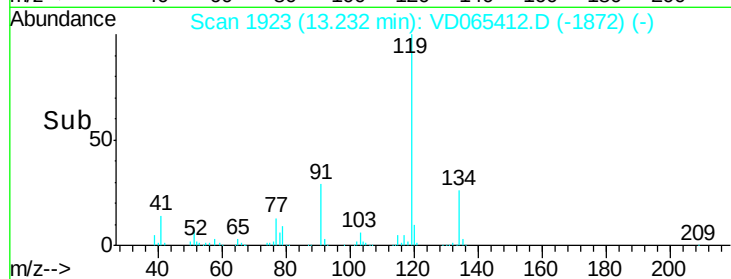
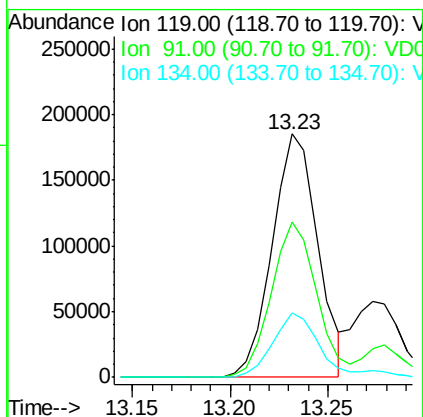
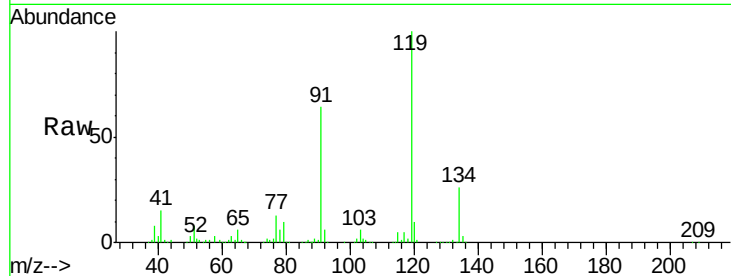




#83
 tert-Butylbenzene
 Concen: 19.63 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

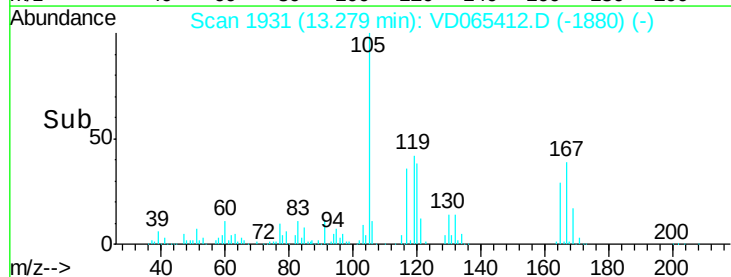
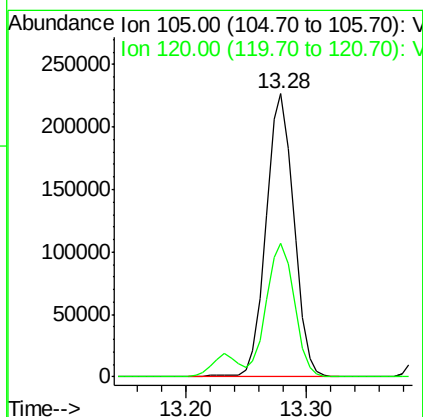
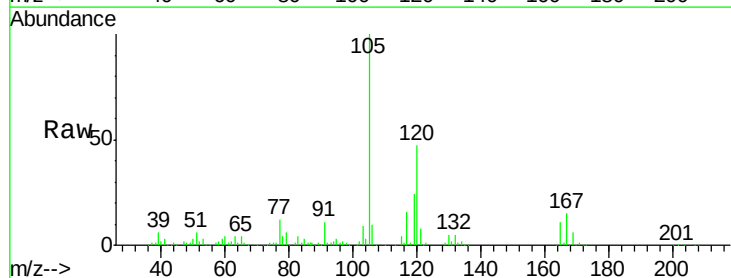
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

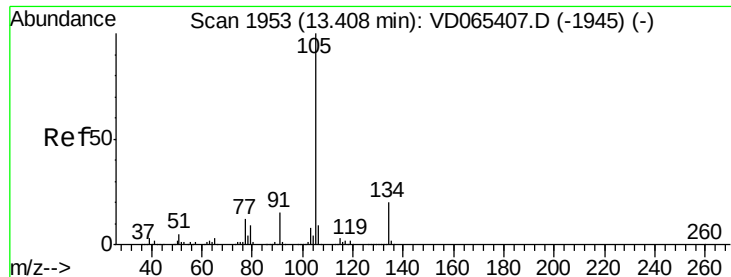
Tgt Ion:119 Resp: 299072
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.6 95.0
 134 27.9 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.19 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion:105 Resp: 359642
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.73 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

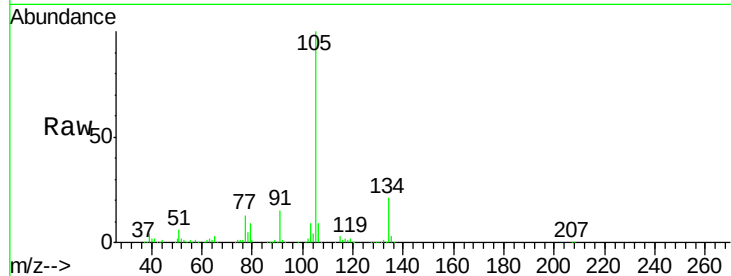
VSTDIC020

Tgt Ion:105 Resp: 429200

Ion Ratio Lower Upper

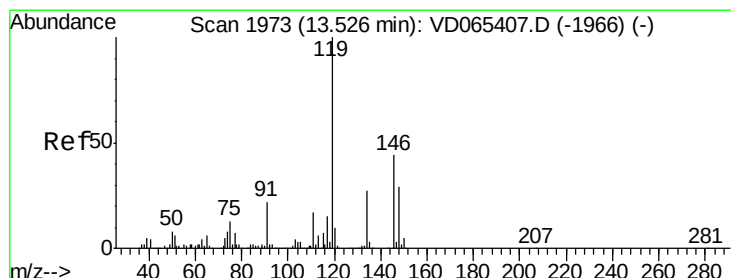
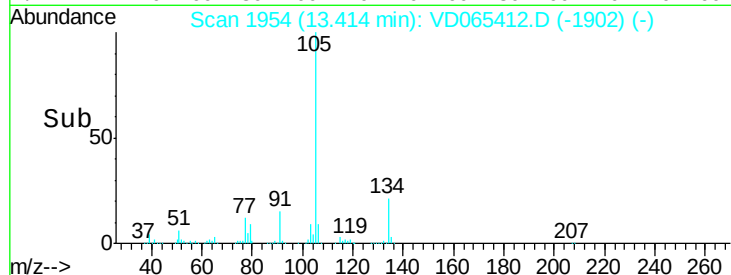
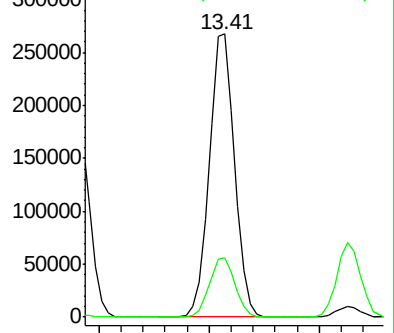
105 100

134 21.2 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.16 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

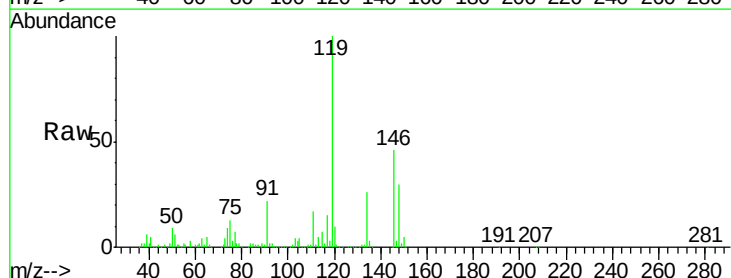
Tgt Ion:119 Resp: 400227

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

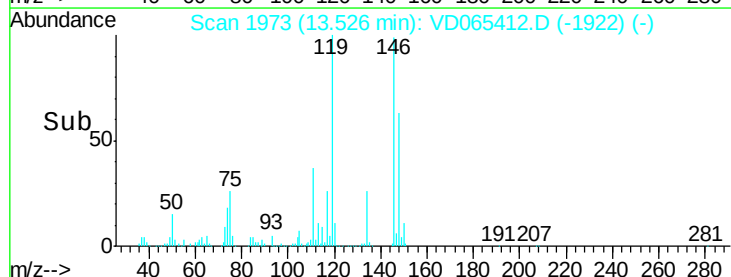
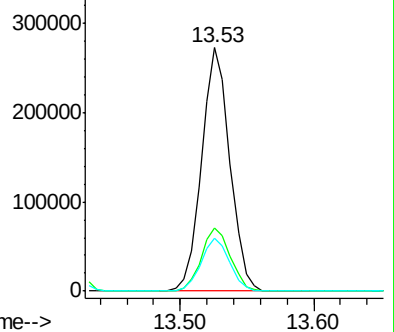
91 21.8 10.9 32.6

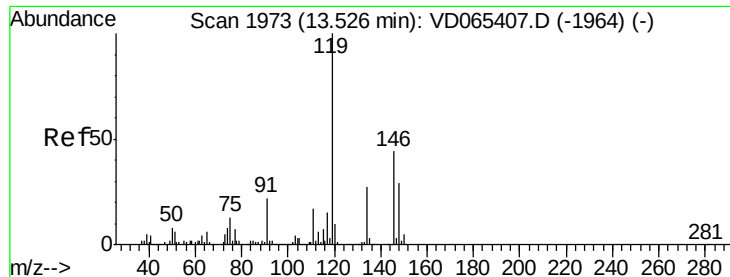


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

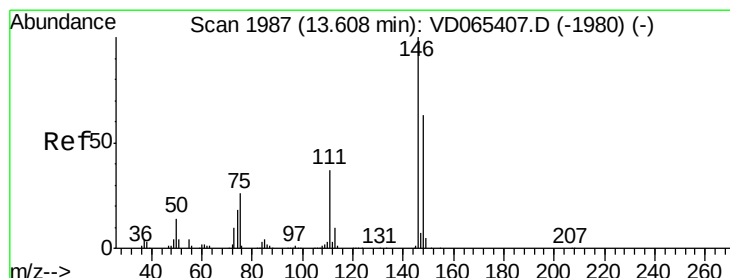
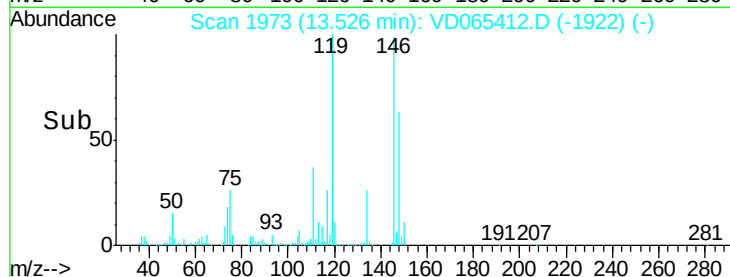
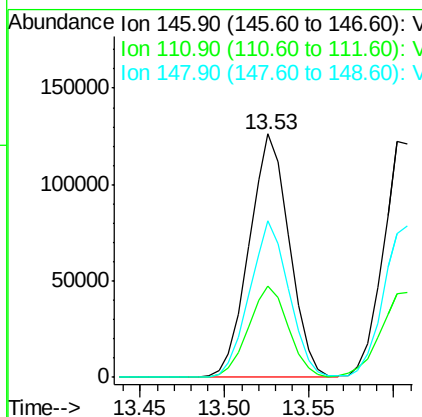
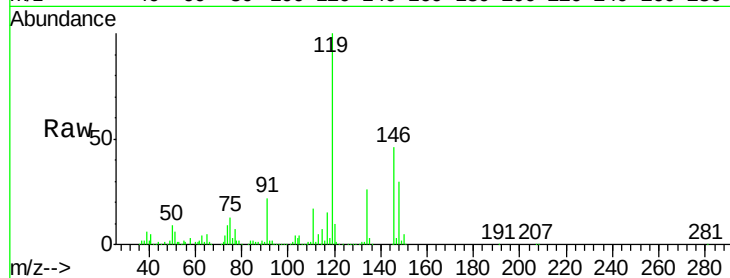




#87
 1,3-Dichlorobenzene
 Concen: 19.82 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

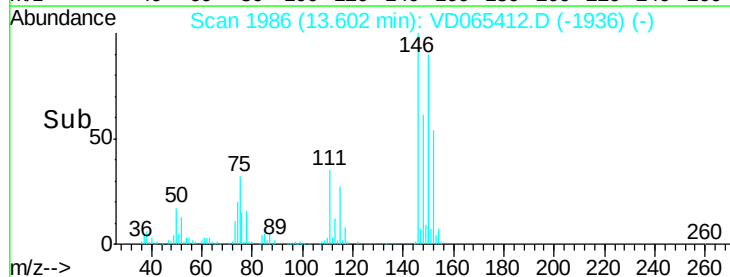
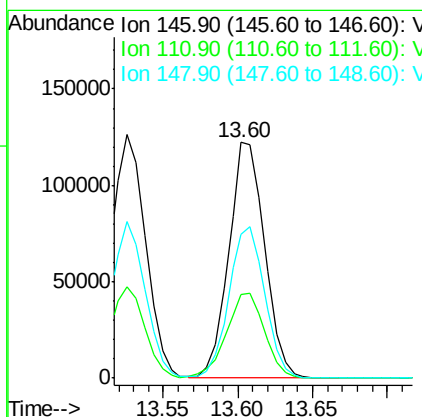
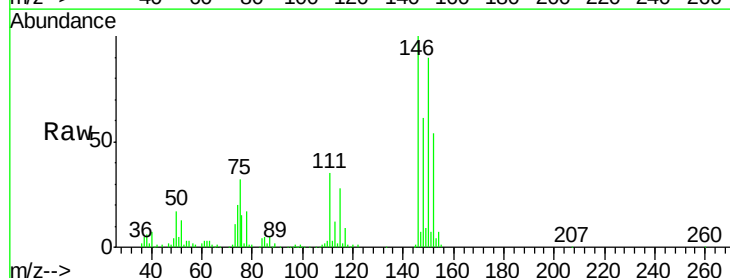
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

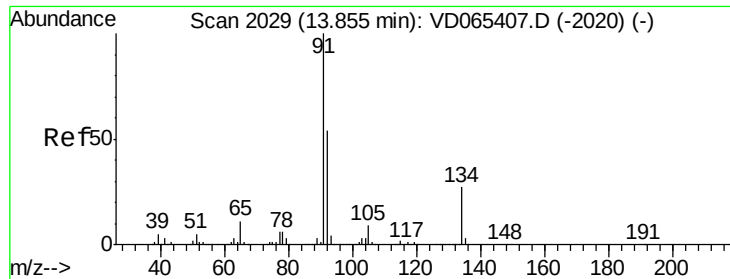
Tgt Ion:146 Resp: 208033
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.1 57.1
 148 62.9 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 19.60 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion:146 Resp: 205258
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.5 55.5
 148 64.5 32.0 96.0

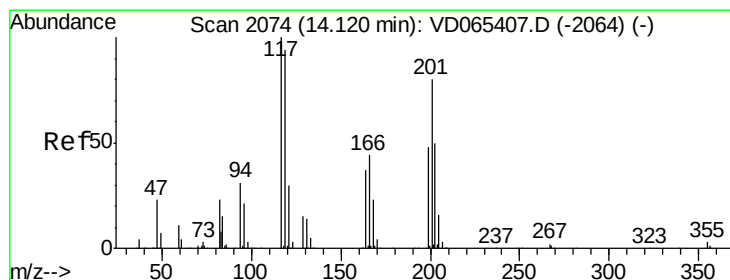
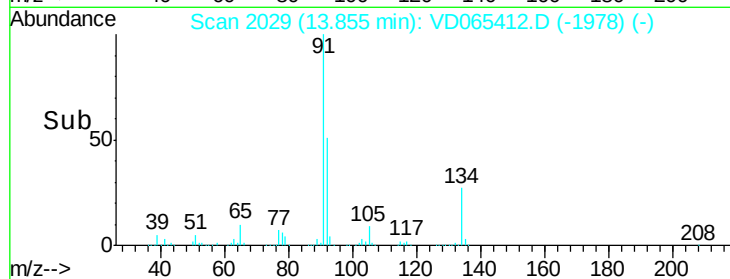
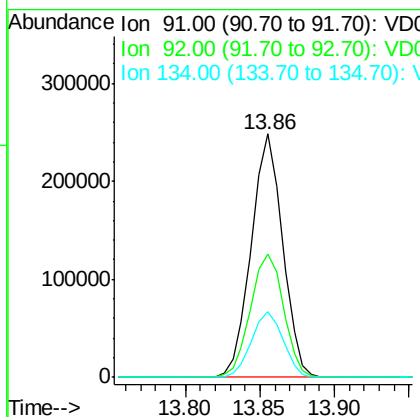
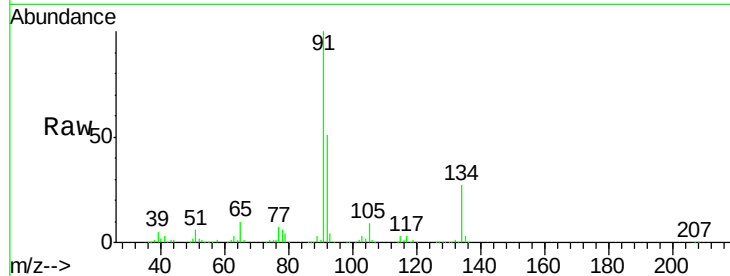




#89
n-Butylbenzene
Concen: 19.70 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

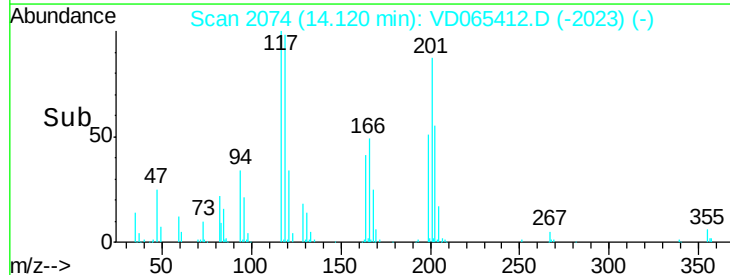
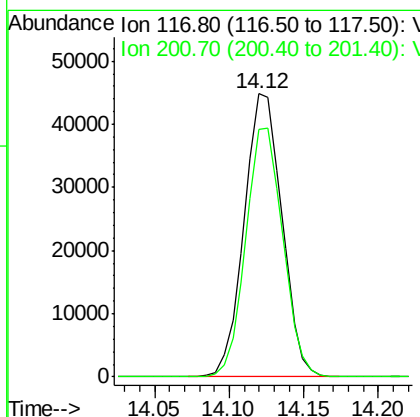
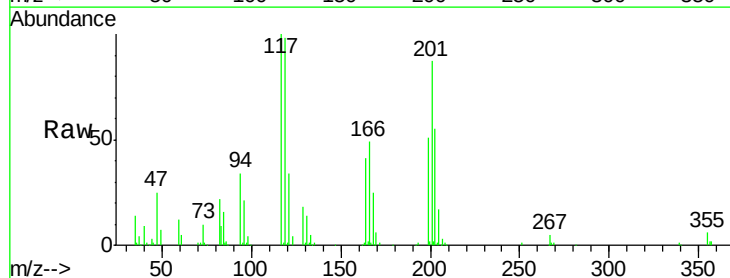
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

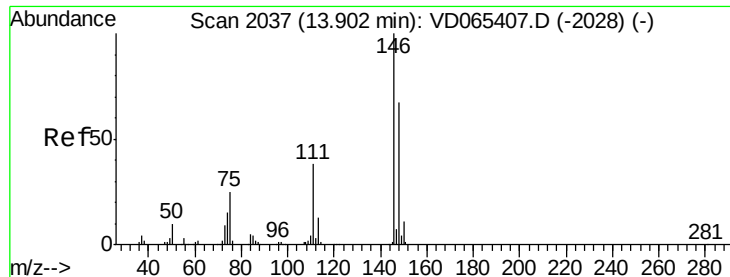
Tgt Ion: 91 Resp: 360953
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.4
134 27.4 13.4 40.2



#90
Hexachloroethane
Concen: 19.12 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065412.D
Acq: 04 Mar 2020 15:30

Tgt Ion: 117 Resp: 78383
Ion Ratio Lower Upper
117 100
201 86.0 41.9 125.6

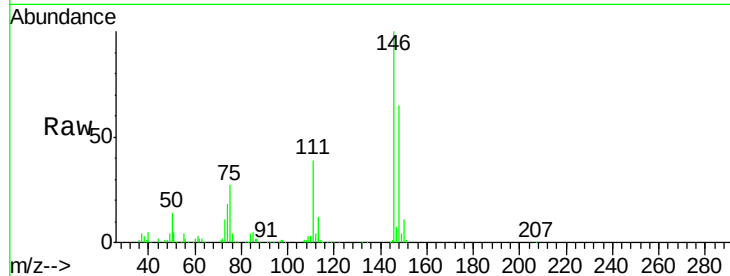




#91
 1,2-Dichlorobenzene
 Concen: 19.29 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

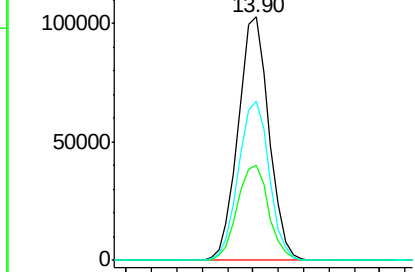
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.3
148	65.4	32.6	97.8

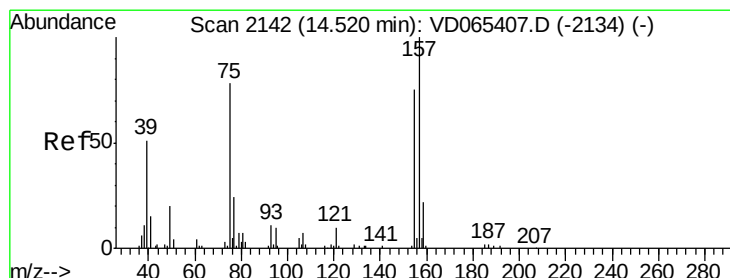
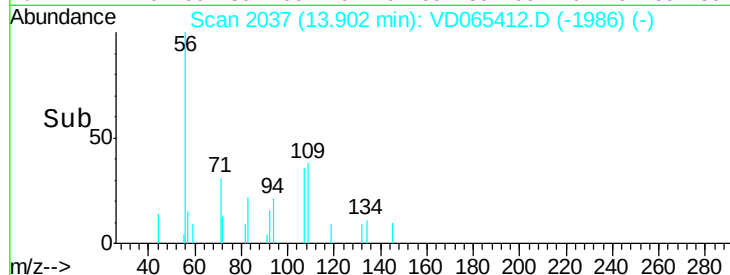


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

13.90

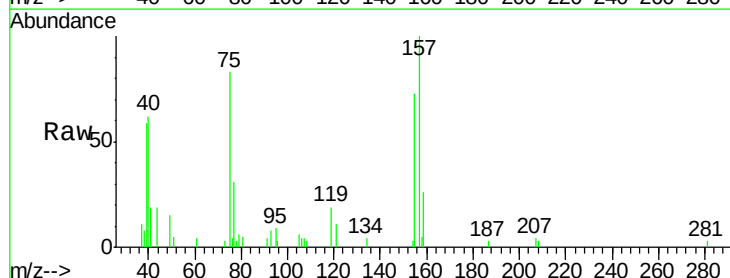


Time--> 13.80 13.90 14.00



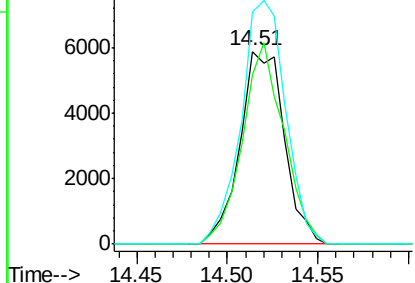
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.83 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	46.4	139.1
157	126.6	60.2	180.4

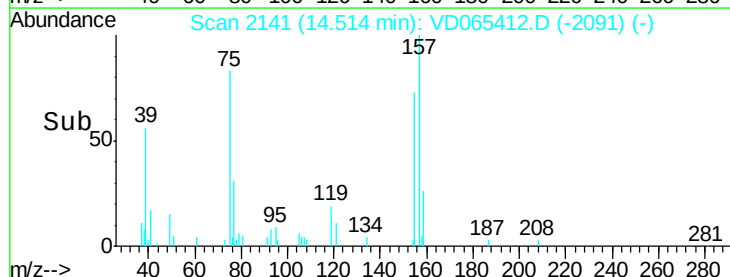


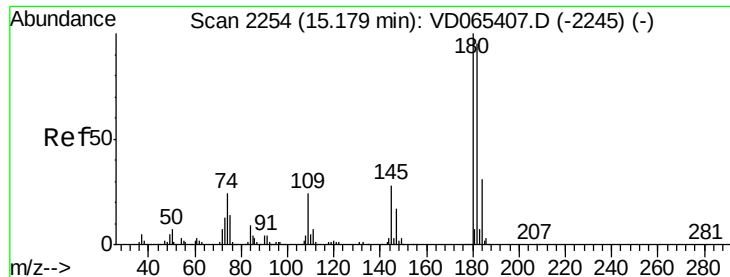
Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

14.51



Time--> 14.45 14.50 14.55

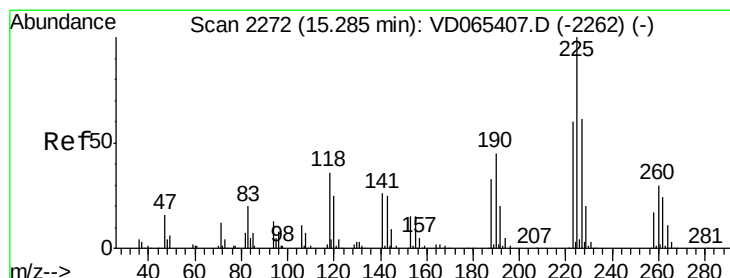
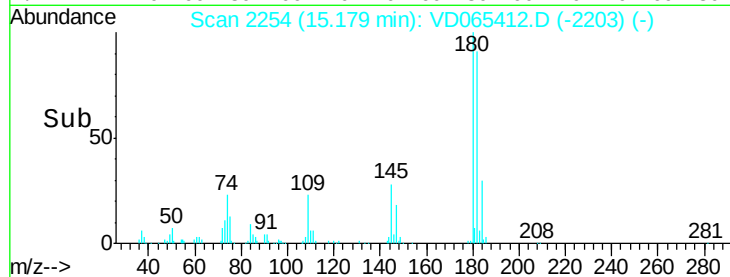
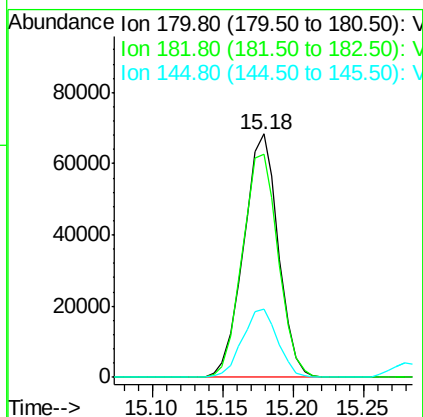
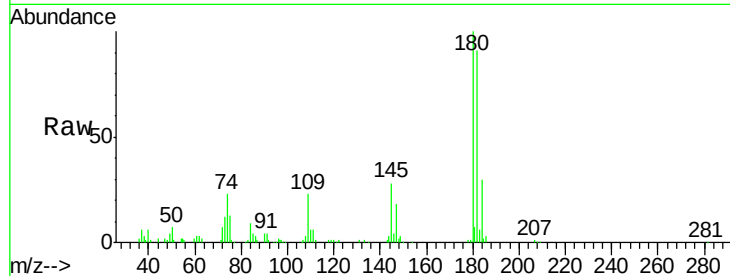




#93
 1,2,4-Trichlorobenzene
 Concen: 19.44 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

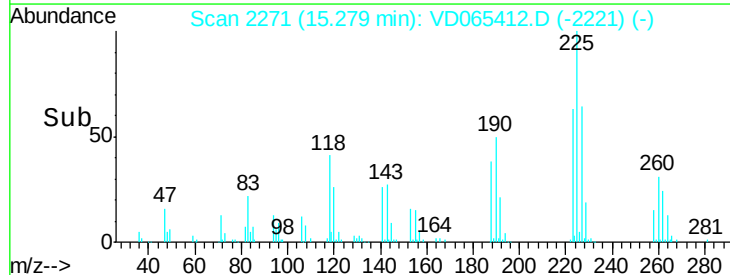
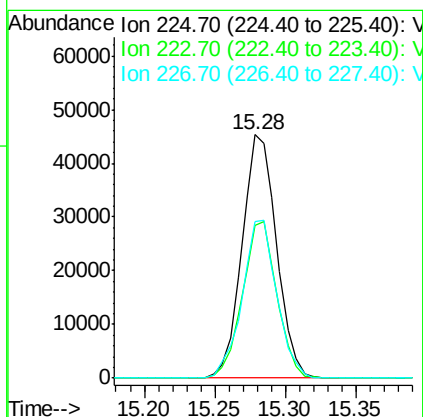
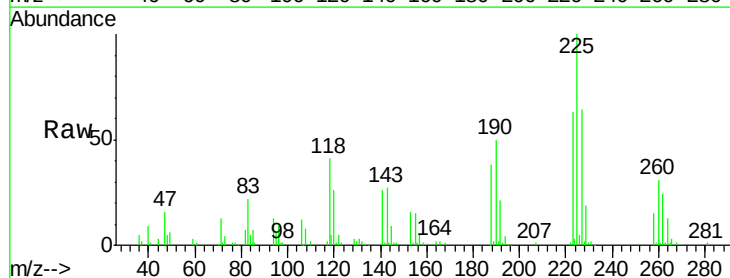
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

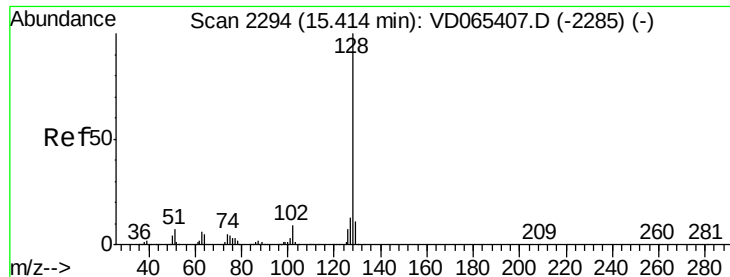
Tgt Ion:180 Resp: 117696
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.3 144.9
 145 28.5 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 19.60 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065412.D
 Acq: 04 Mar 2020 15:30

Tgt Ion:225 Resp: 77614
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.9 92.5
 227 65.1 31.6 94.7





#95

Naphthalene

Concen: 17.84 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

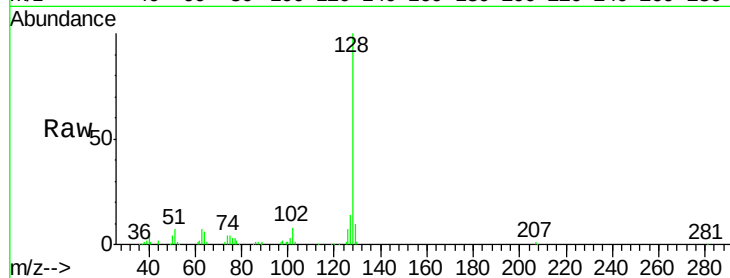
Tgt Ion:128 Resp: 173664

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

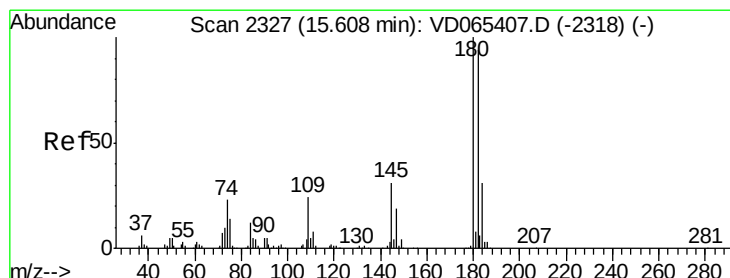
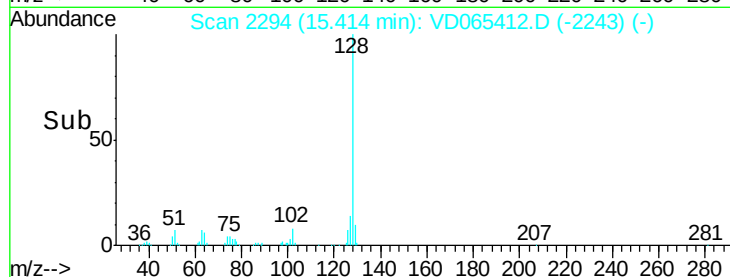
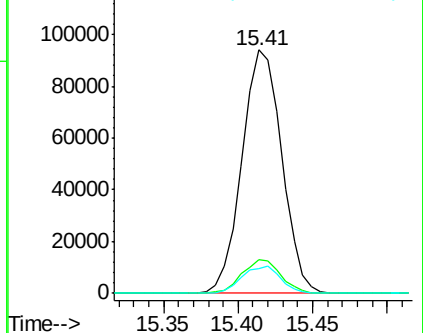
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.11 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065412.D

Acq: 04 Mar 2020 15:30

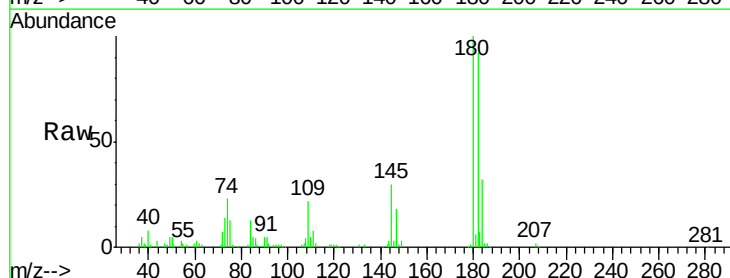
Tgt Ion:180 Resp: 100507

Ion Ratio Lower Upper

180 100

182 95.6 46.9 140.6

145 31.8 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

