

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
 Data File : VD065405.D
 Acq On : 04 Mar 2020 11:04
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Mar 04 15:58:37 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	481955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	732542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	673683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327948	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	42367	10.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.38%	
35) Dibromofluoromethane	7.92	113	44610	9.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.64%	
50) Toluene-d8	10.34	98	164911	9.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.92%	
62) 4-Bromofluorobenzene	12.64	95	50299	9.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	50380	12.06	ug/l	100
3) Chloromethane	2.21	50	56294	11.24	ug/l	99
4) Vinyl Chloride	2.36	62	52585	10.62	ug/l	100
5) Bromomethane	2.77	94	36652	11.52	ug/l	95
6) Chloroethane	2.93	64	33046	10.94	ug/l	96
7) Trichlorofluoromethane	3.27	101	80734	11.06	ug/l	98
8) Diethyl Ether	3.71	74	21728	9.97	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	49621	10.56	ug/l	99
10) Methyl Iodide	4.30	142	47814	9.86	ug/l	97
11) Tert butyl alcohol	5.23	59	9243	41.11	ug/l	96
12) 1,1-Dichloroethene	4.06	96	46337	10.31	ug/l	84
13) Acrolein	3.93	56	20024	48.82	ug/l	95
14) Allyl chloride	4.71	41	68120	9.84	ug/l	98
15) Acrylonitrile	5.43	53	45983	48.03	ug/l	99
16) Acetone	4.17	43	40138	47.34	ug/l	94
17) Carbon Disulfide	4.40	76	157124	10.47	ug/l	99
18) Methyl Acetate	4.73	43	20859	9.62	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	80880	9.26	ug/l	97
20) Methylene Chloride	4.97	84	58960	11.22	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	49452	9.86	ug/l	98
22) Diisopropyl ether	6.37	45	127657	9.82	ug/l	97
23) Vinyl Acetate	6.31	43	313748	43.54	ug/l	100
24) 1,1-Dichloroethane	6.27	63	85833	10.40	ug/l	99
25) 2-Butanone	7.23	43	53452	46.08	ug/l	91
26) 2,2-Dichloropropane	7.21	77	72527	10.05	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	50772	9.87	ug/l	97
28) Bromochloromethane	7.55	49	33377	9.97	ug/l	98
29) Tetrahydrofuran	7.57	42	33380	44.80	ug/l	98
30) Chloroform	7.71	83	87631	10.56	ug/l	98
31) Cyclohexane	7.98	56	83122	10.12	ug/l	88
32) 1,1,1-Trichloroethane	7.91	97	79063	10.38	ug/l	98
36) 1,1-Dichloropropene	8.11	75	68386	9.71	ug/l	99
37) Ethyl Acetate	7.30	43	24576	8.91	ug/l	96
38) Carbon Tetrachloride	8.10	117	72558	9.98	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76623	9.10	ug/l	97
40) Benzene	8.36	78	198548	10.05	ug/l	99
41) Methacrylonitrile	7.54	41	12525	8.94	ug/l	88
42) 1,2-Dichloroethane	8.43	62	52965	10.19	ug/l	99
43) Isopropyl Acetate	8.46	43	45332	8.98	ug/l	97
44) Trichloroethene	9.12	130	55038	9.93	ug/l	93
45) 1,2-Dichloropropane	9.40	63	48175	10.04	ug/l	99
46) Dibromomethane	9.48	93	24706	9.91	ug/l	98
47) Bromodichloromethane	9.67	83	66300	10.24	ug/l #	95
48) Methyl methacrylate	9.46	41	20762	8.70	ug/l	100
49) 1,4-Dioxane	9.47	88	4859	169.27	ug/l #	89
51) 4-Methyl-2-Pentanone	10.24	43	114240	44.76	ug/l	97
52) Toluene	10.41	92	120133	9.65	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	57183	9.39	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	71689	9.74	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	34920	9.90	ug/l	97
56) Ethyl methacrylate	10.67	69	34335	8.59	ug/l	97
57) 1,3-Dichloropropane	10.95	76	57343	9.58	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	90726	63.82	ug/l	97
59) 2-Hexanone	10.99	43	74579	42.16	ug/l	98
60) Dibromochloromethane	11.14	129	43985	9.69	ug/l	97
61) 1,2-Dibromoethane	11.26	107	32366	9.61	ug/l	99
64) Tetrachloroethene	10.88	164	46795	9.67	ug/l	99
65) Chlorobenzene	11.67	112	134150	10.01	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	48735	9.96	ug/l	99
67) Ethyl Benzene	11.75	91	214932	9.30	ug/l	96
68) m/p-Xylenes	11.86	106	168804	18.95	ug/l	98
69) o-Xylene	12.19	106	71940	9.18	ug/l	98
70) Styrene	12.20	104	127870	9.25	ug/l	99
71) Bromoform	12.37	173	26649	9.65	ug/l #	99
73) Isopropylbenzene	12.48	105	192933	8.96	ug/l	99
74) N-amyl acetate	12.30	43	37872	8.52	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36831	9.64	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	46126	10.18	ug/l #	100
77) Bromobenzene	12.77	156	51962	9.62	ug/l	98
78) n-propylbenzene	12.83	91	237872	9.28	ug/l	99
79) 2-Chlorotoluene	12.91	91	139309	9.66	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	166534	9.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	10892	8.86	ug/l	95
82) 4-Chlorotoluene	13.01	91	145712	9.58	ug/l	99
83) tert-Butylbenzene	13.23	119	134818	9.01	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	164317	9.39	ug/l	100
85) sec-Butylbenzene	13.41	105	197345	9.24	ug/l	99
86) p-Isopropyltoluene	13.53	119	177276	9.09	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	101470	9.84	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	101019	9.82	ug/l	96
89) n-Butylbenzene	13.86	91	162468	9.03	ug/l	98
90) Hexachloroethane	14.13	117	38844	9.64	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	85816	9.71	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5797	9.88	ug/l	81

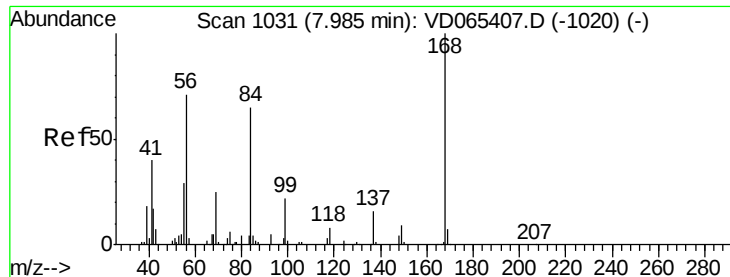
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	54221	9.12	ug/l	100
94) Hexachlorobutadiene	15.28	225	35708	9.18	ug/l	95
95) Naphthalene	15.41	128	74158	7.75	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	47318	9.16	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

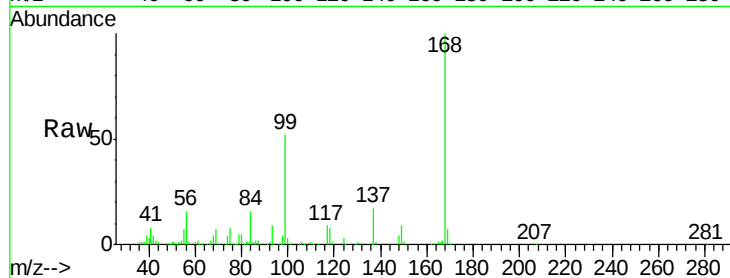
VSTDIC010

Tgt Ion: 168 Resp: 481955

Ion Ratio Lower Upper

168 100

99 52.0 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

200000

150000

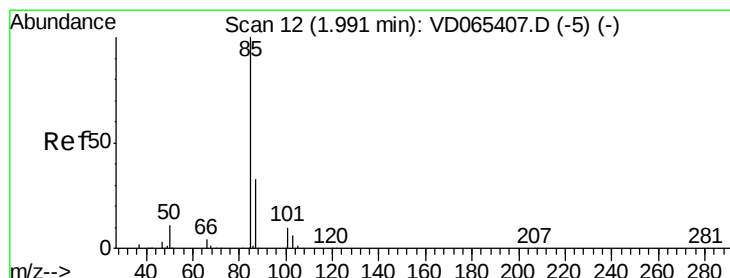
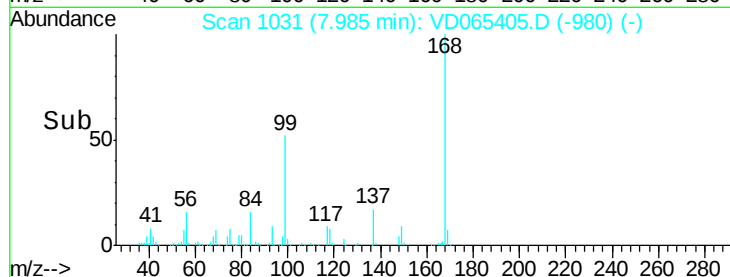
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 12.06 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065405.D

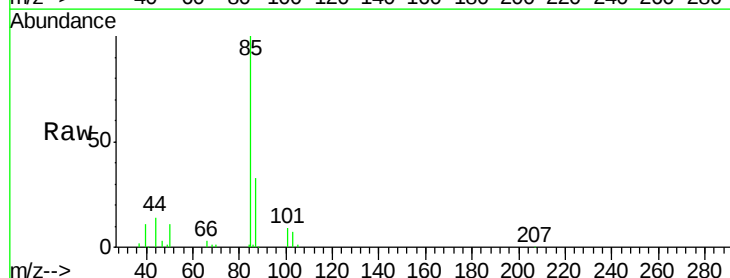
Acq: 04 Mar 2020 11:04

Tgt Ion: 85 Resp: 50380

Ion Ratio Lower Upper

85 100

87 32.7 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

40000

30000

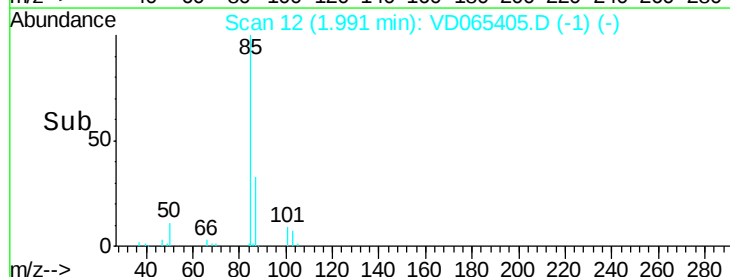
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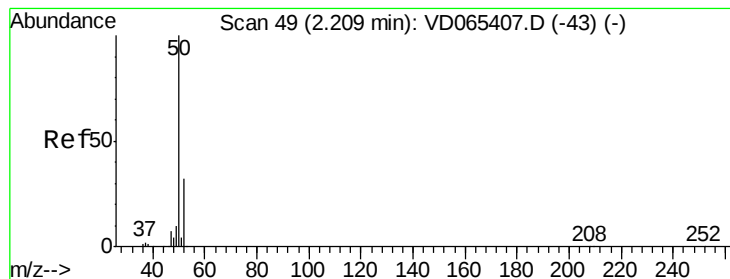
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 11.24 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

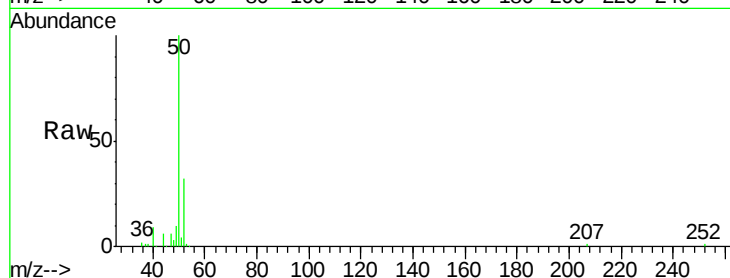
VSTDIC010

Tgt Ion: 50 Resp: 56294

Ion Ratio Lower Upper

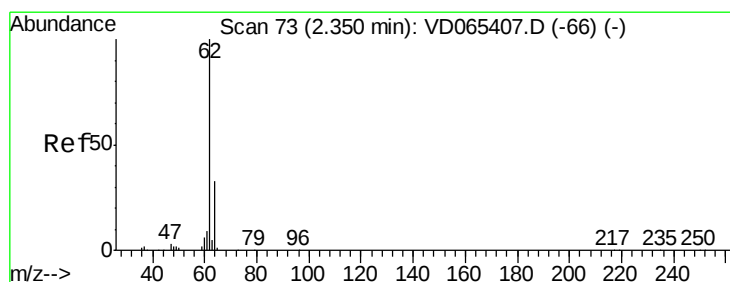
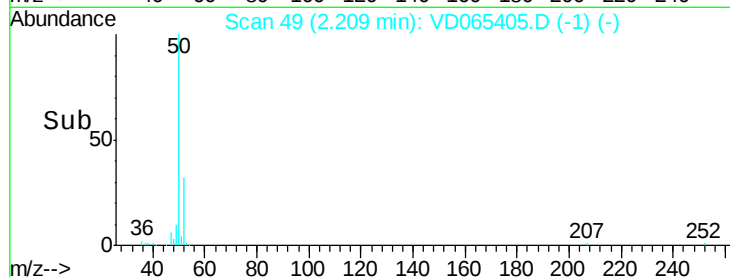
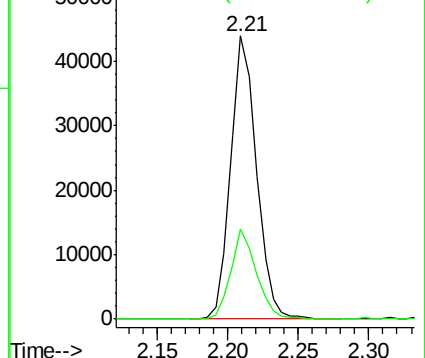
50 100

52 31.8 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: 10.62 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065405.D

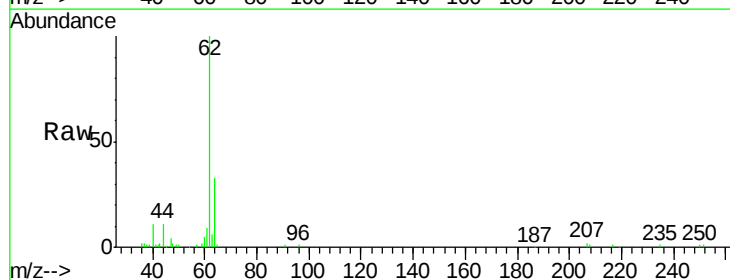
Acq: 04 Mar 2020 11:04

Tgt Ion: 62 Resp: 52585

Ion Ratio Lower Upper

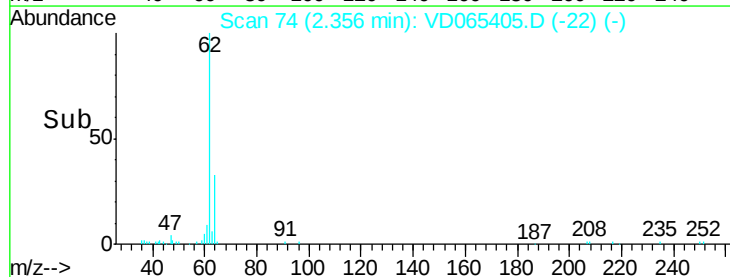
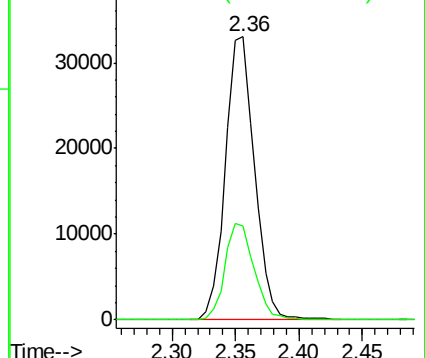
62 100

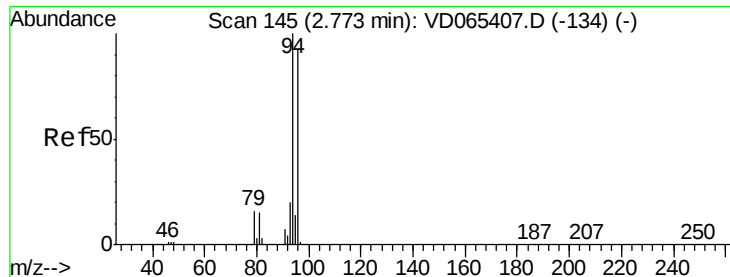
64 33.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 11.52 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

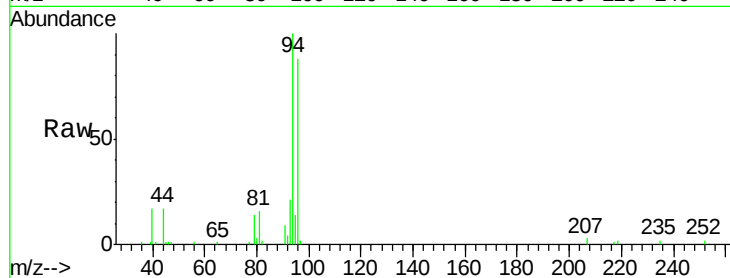
VSTDIC010

Tgt Ion: 94 Resp: 36652

Ion Ratio Lower Upper

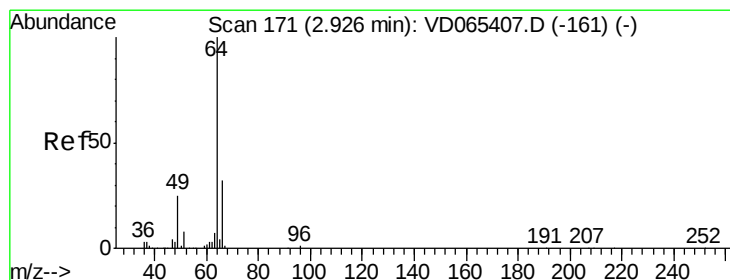
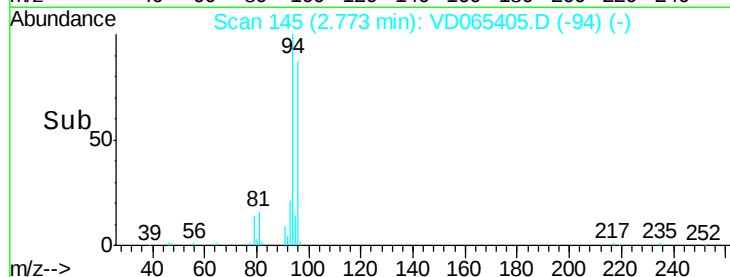
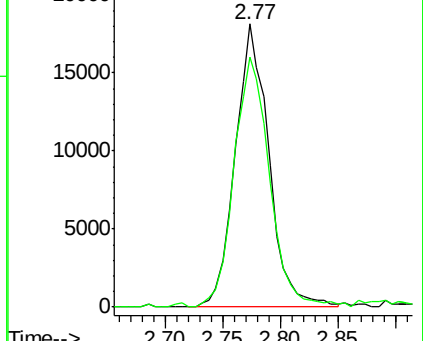
94 100

96 88.2 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: 10.94 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065405.D

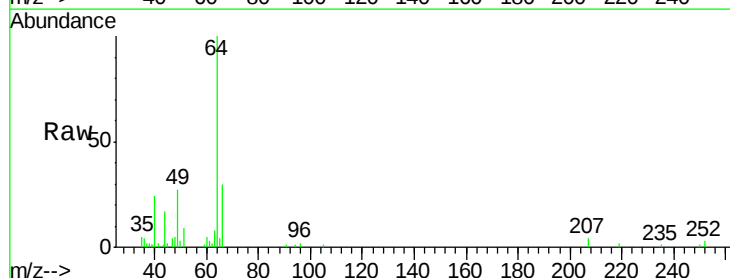
Acq: 04 Mar 2020 11:04

Tgt Ion: 64 Resp: 33046

Ion Ratio Lower Upper

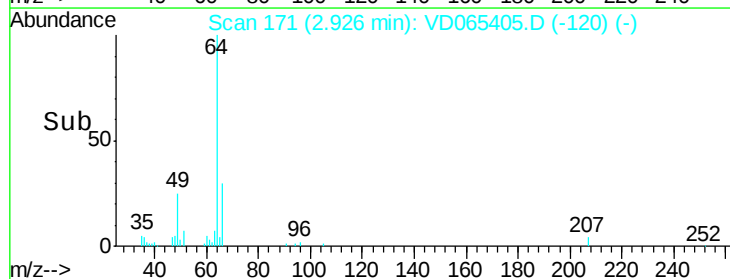
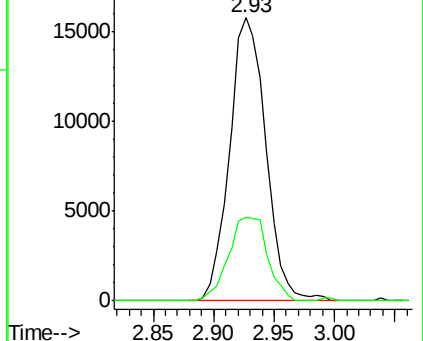
64 100

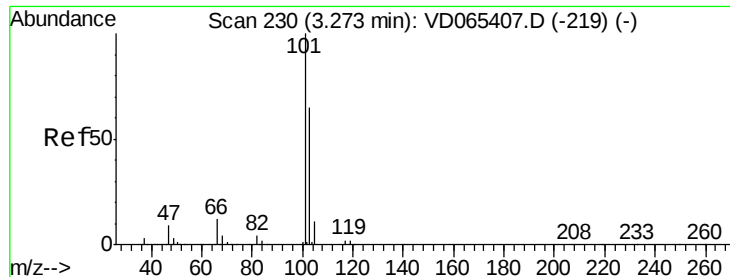
66 29.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 11.06 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

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ClientSampleId :

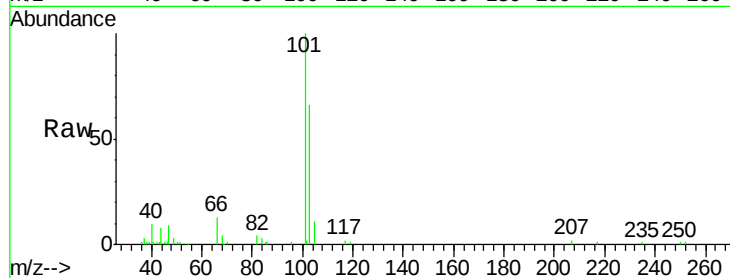
VSTDIC010

Tgt Ion:101 Resp: 80734

Ion Ratio Lower Upper

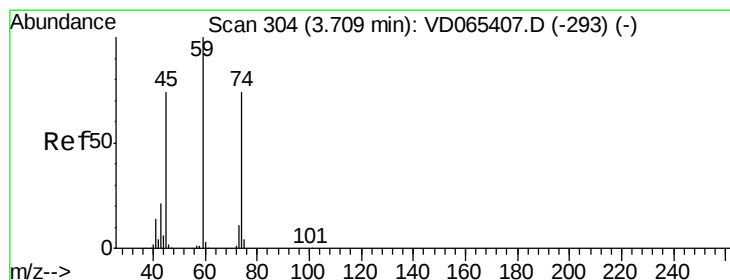
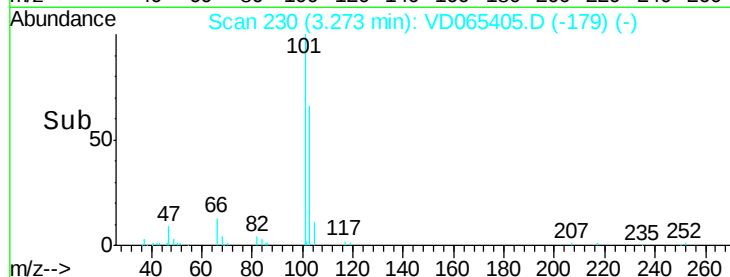
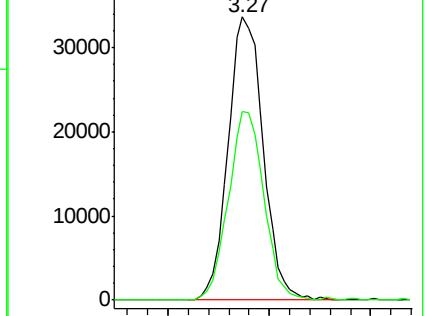
101 100

103 66.4 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: 9.97 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065405.D

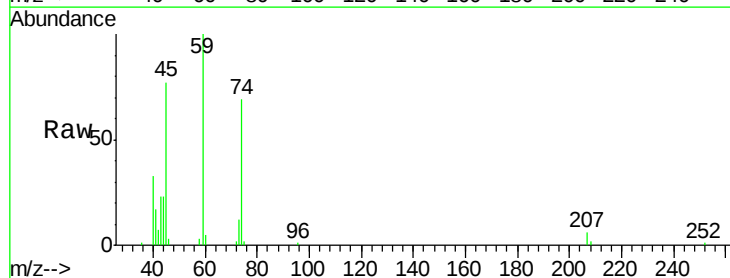
Acq: 04 Mar 2020 11:04

Tgt Ion: 74 Resp: 21728

Ion Ratio Lower Upper

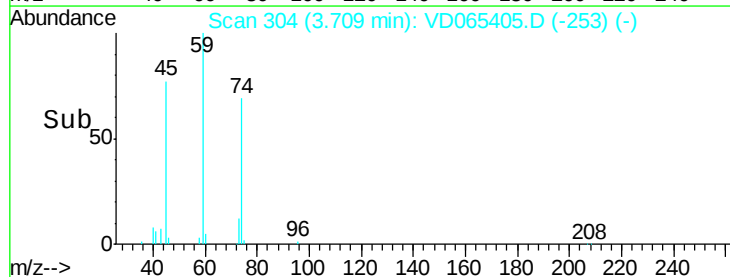
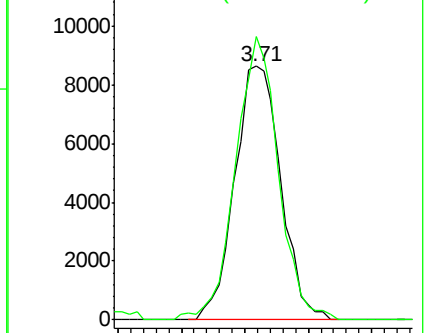
74 100

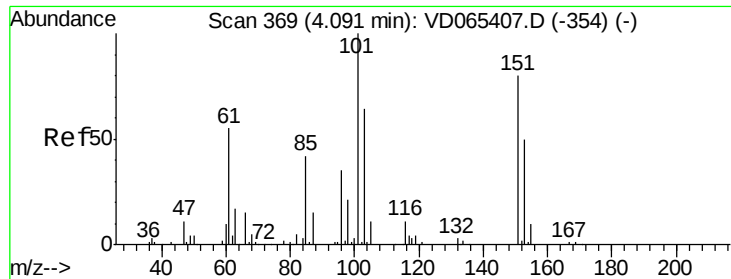
45 104.0 49.5 148.5



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: 10.56 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

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VSTDIC010

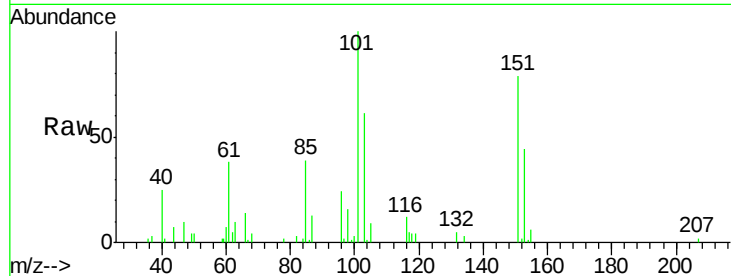
Tgt Ion:101 Resp: 49621

Ion Ratio Lower Upper

101 100

85 41.5 34.2 51.2

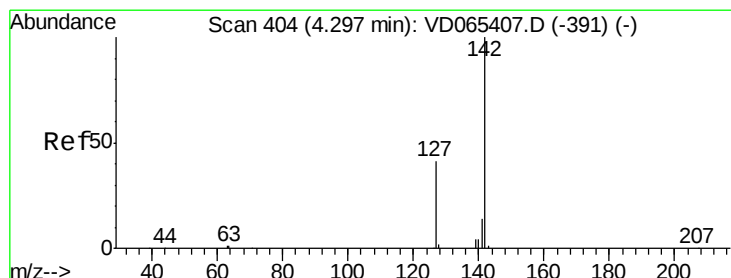
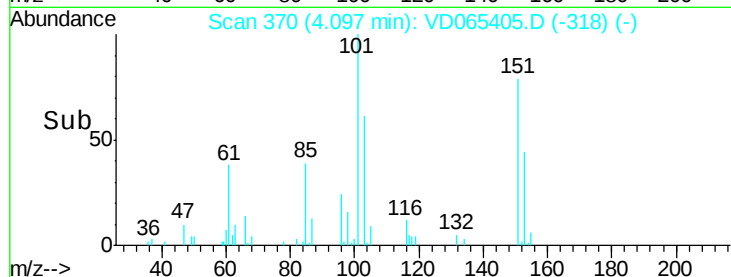
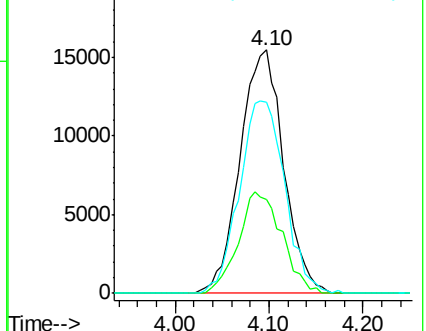
151 82.2 65.1 97.7



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: 9.86 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

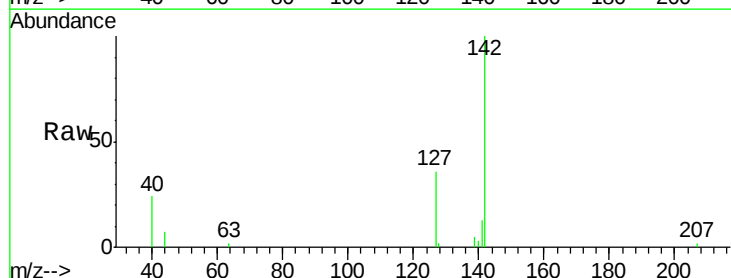
Tgt Ion:142 Resp: 47814

Ion Ratio Lower Upper

142 100

127 41.7 35.0 52.6

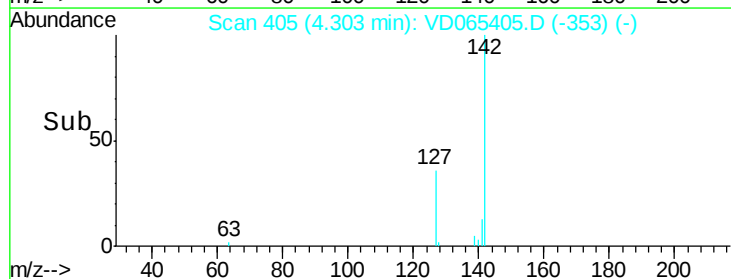
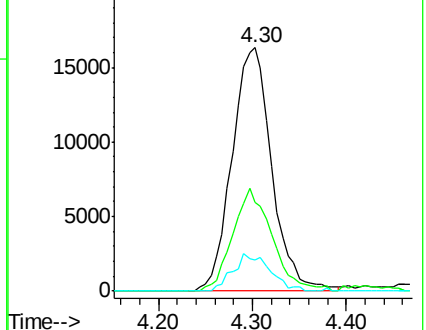
141 14.2 12.4 18.6

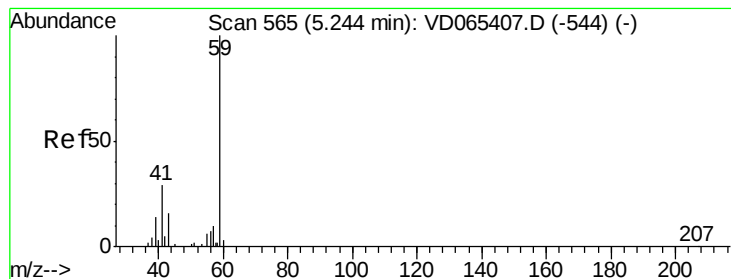


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 41.11 ug/l

RT: 5.23 min Scan# 563

Delta R.T. -0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

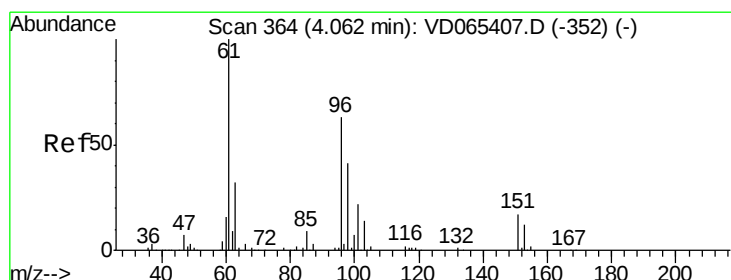
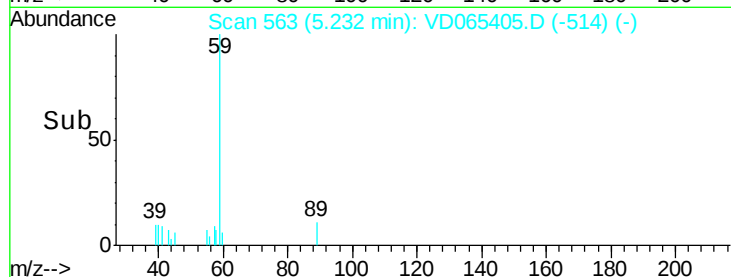
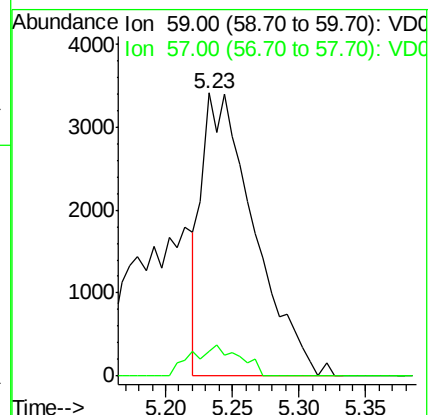
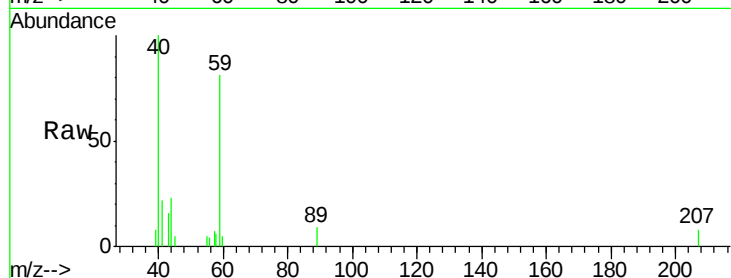
VSTDIC010

Tgt Ion: 59 Resp: 9243

Ion Ratio Lower Upper

59 100

57 10.2 6.9 10.3



#12

1,1-Dichloroethene

Concen: 10.31 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

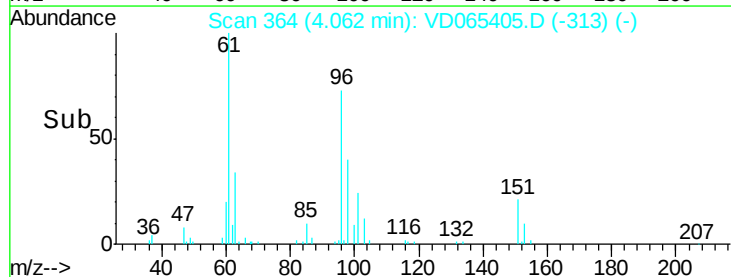
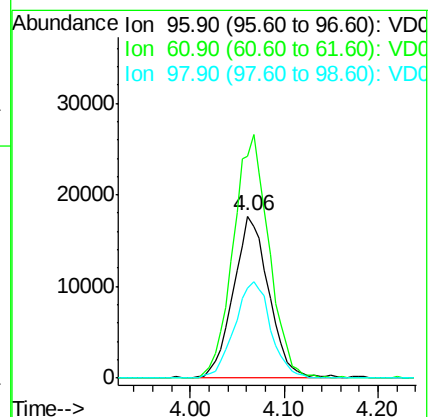
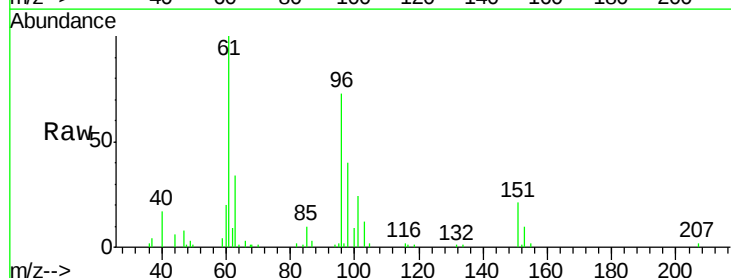
Tgt Ion: 96 Resp: 46337

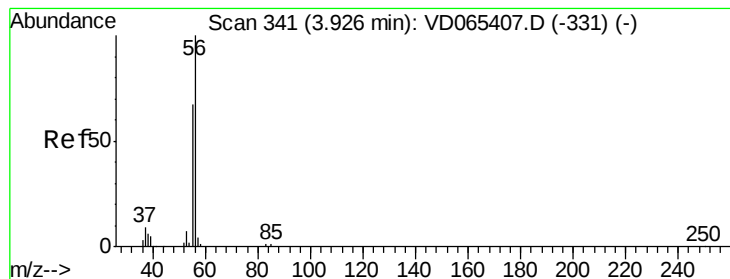
Ion Ratio Lower Upper

96 100

61 137.3 128.0 192.0

98 55.5 51.9 77.9





#13

Acrolein

Concen: 48.82 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

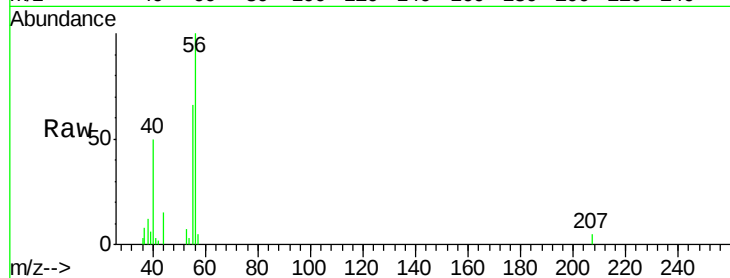
VSTDIC010

Tgt Ion: 56 Resp: 20024

Ion Ratio Lower Upper

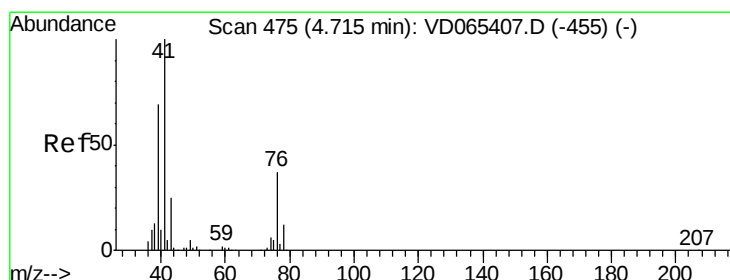
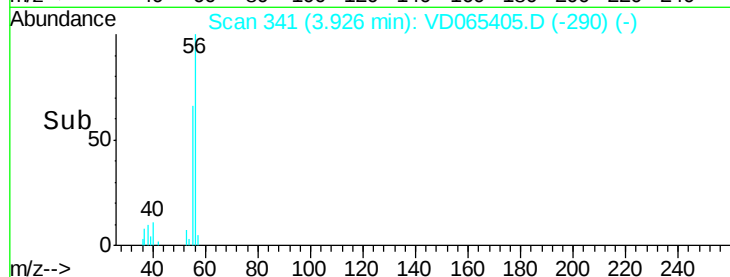
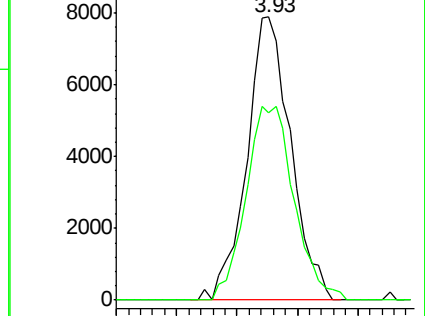
56 100

55 74.9 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.84 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

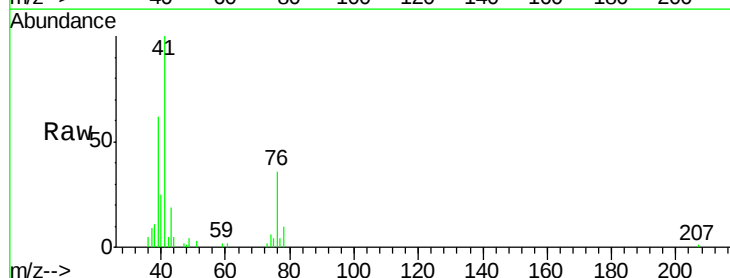
Tgt Ion: 41 Resp: 68120

Ion Ratio Lower Upper

41 100

39 63.3 52.6 79.0

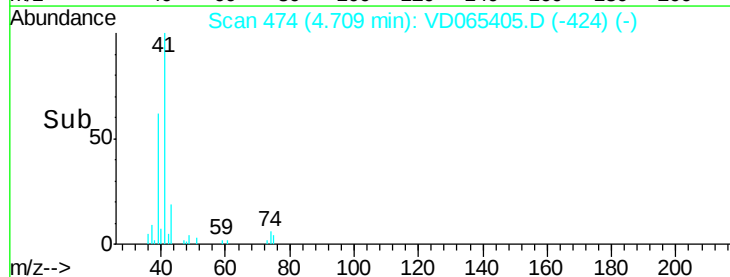
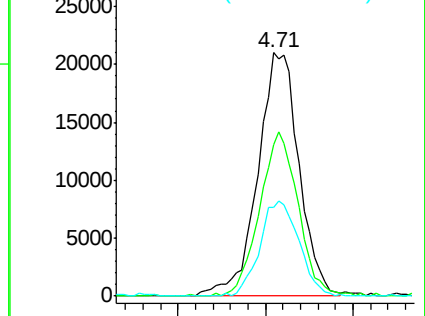
76 37.2 29.2 43.8

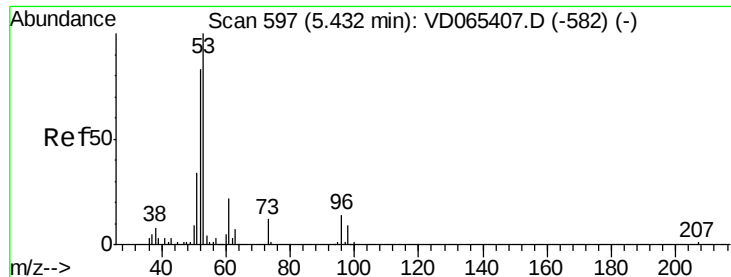


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 48.03 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

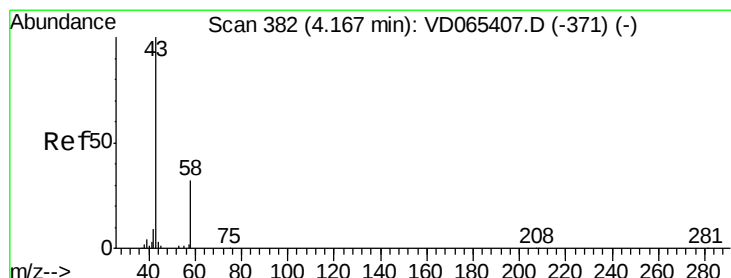
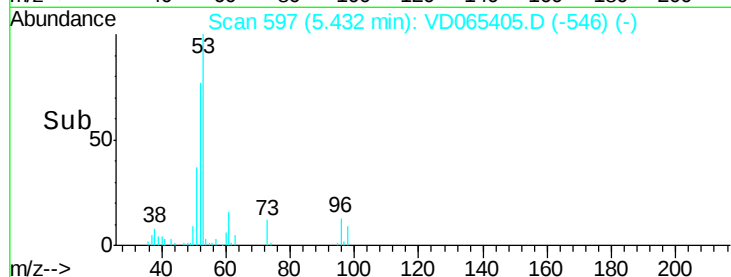
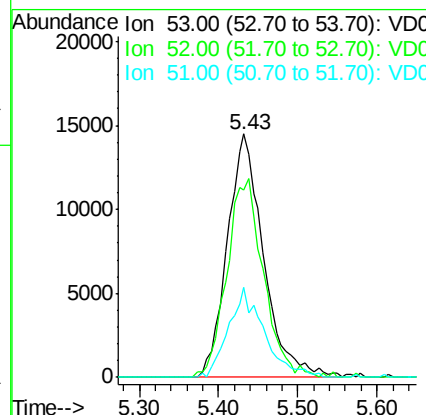
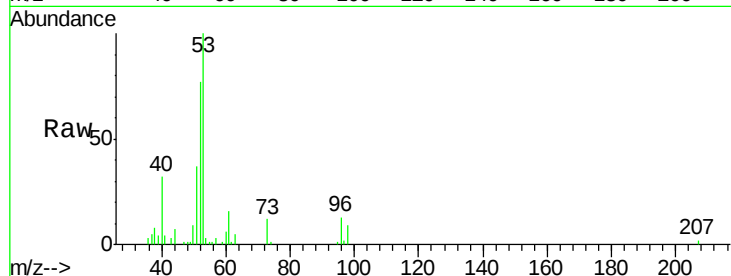
Tgt Ion: 53 Resp: 45983

Ion Ratio Lower Upper

53 100

52 81.8 65.1 97.7

51 36.2 28.5 42.7



#16

Acetone

Concen: 47.34 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065405.D

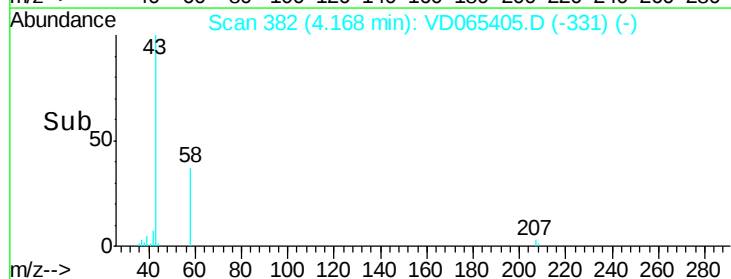
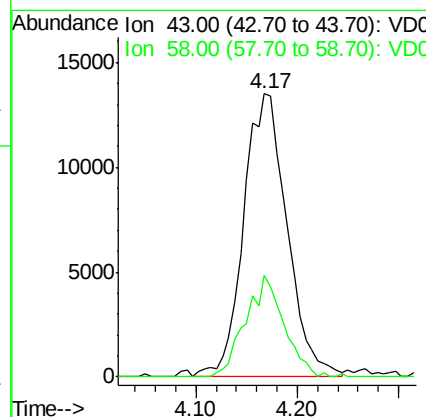
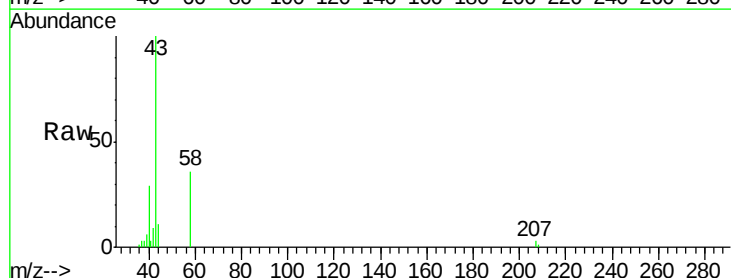
Acq: 04 Mar 2020 11:04

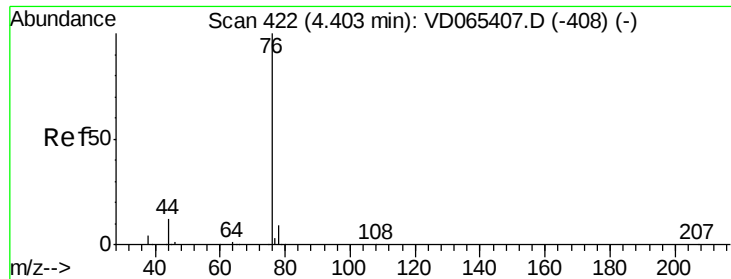
Tgt Ion: 43 Resp: 40138

Ion Ratio Lower Upper

43 100

58 34.7 25.1 37.7





#17

Carbon Disulfide

Concen: 10.47 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

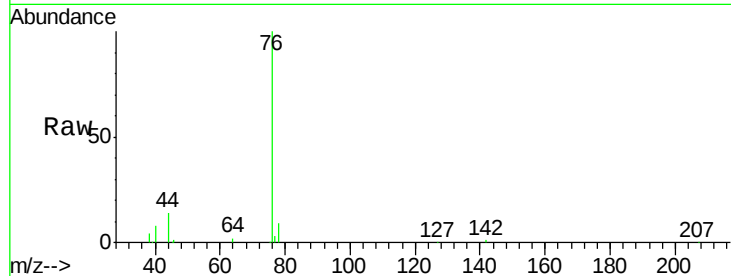
VSTDIC010

Tgt Ion: 76 Resp: 157124

Ion Ratio Lower Upper

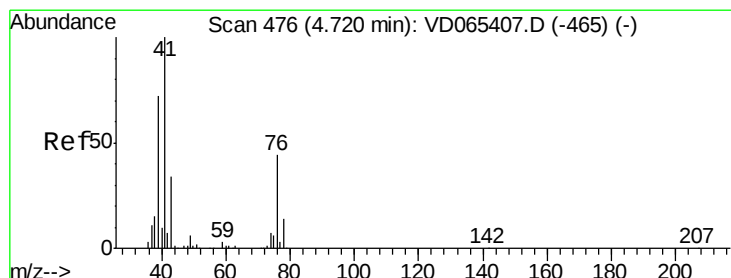
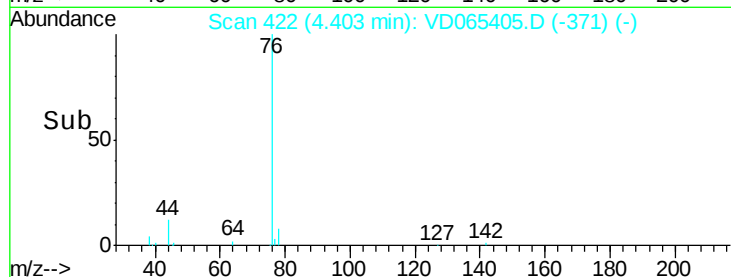
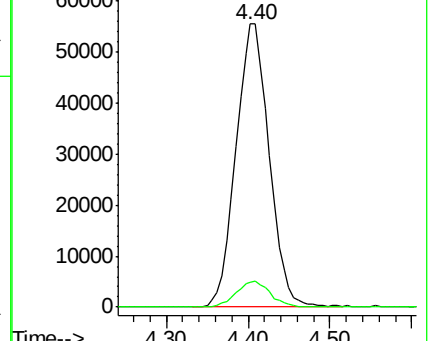
76 100

78 8.8 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: 9.62 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065405.D

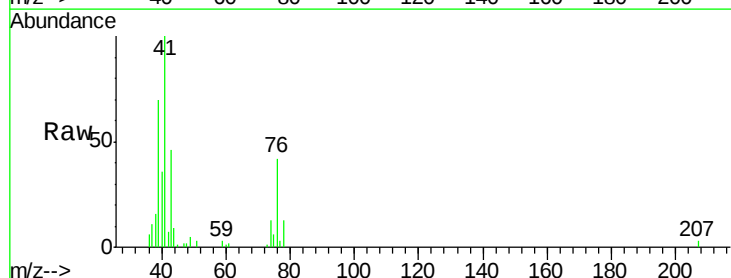
Acq: 04 Mar 2020 11:04

Tgt Ion: 43 Resp: 20859

Ion Ratio Lower Upper

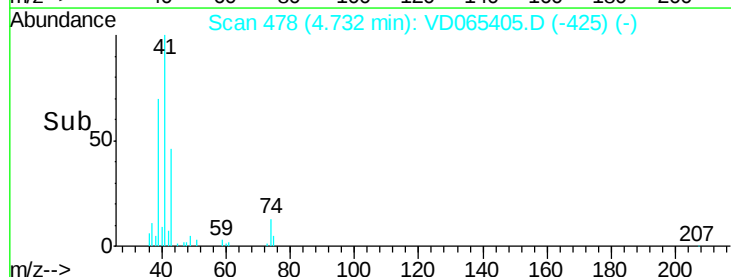
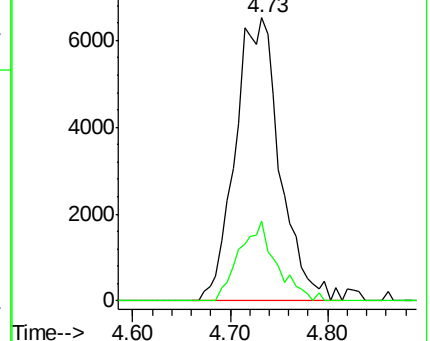
43 100

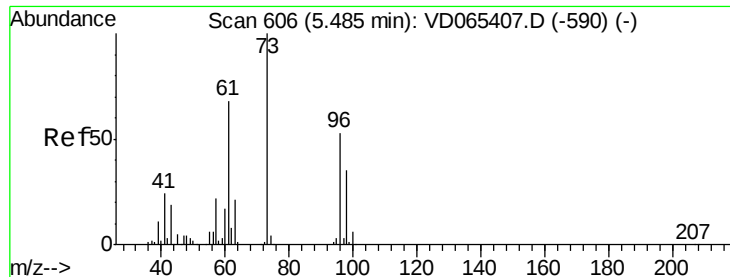
74 23.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

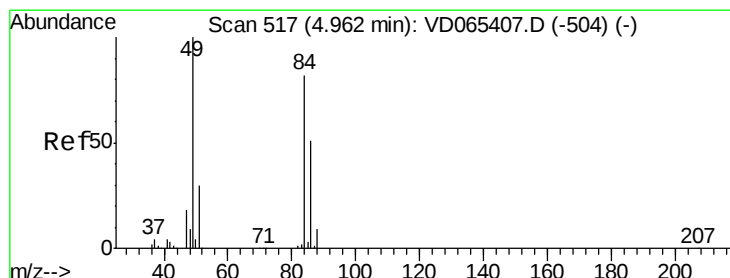
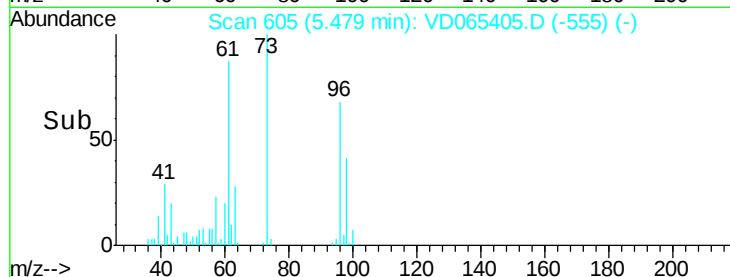
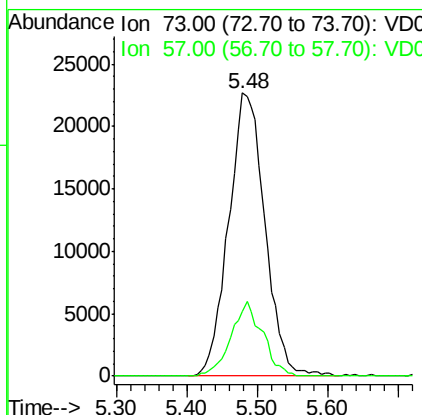
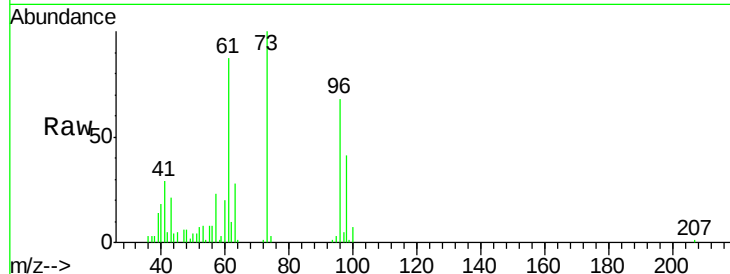




#19
Methyl tert-butyl Ether
Concen: 9.26 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

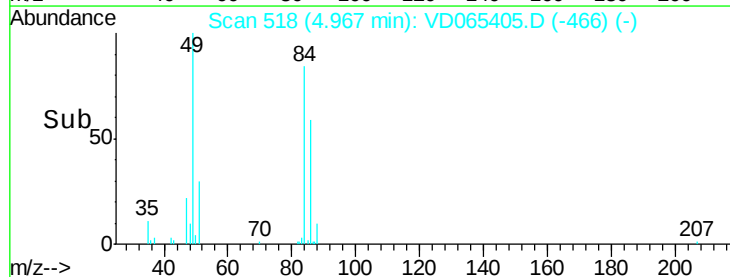
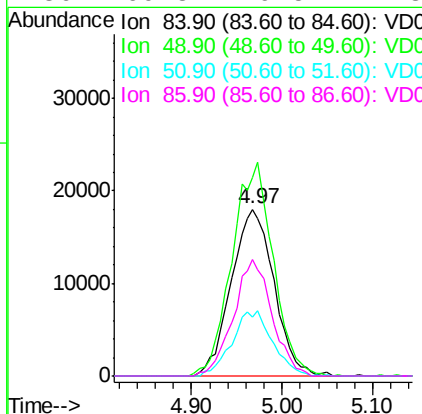
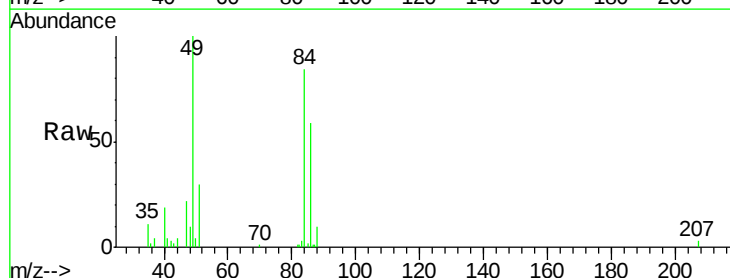
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

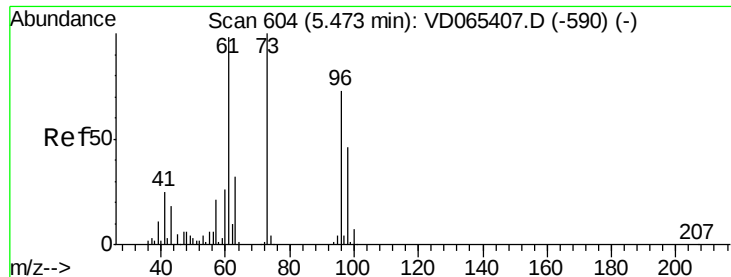
Tgt Ion: 73 Resp: 80880
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9



#20
Methylene Chloride
Concen: 11.22 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion: 84 Resp: 58960
Ion Ratio Lower Upper
84 100
49 119.0 97.7 146.5
51 35.5 28.8 43.2
86 69.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 9.86 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

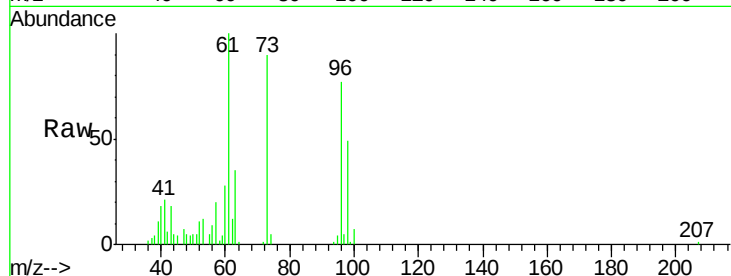
Tgt Ion: 96 Resp: 49452

Ion Ratio Lower Upper

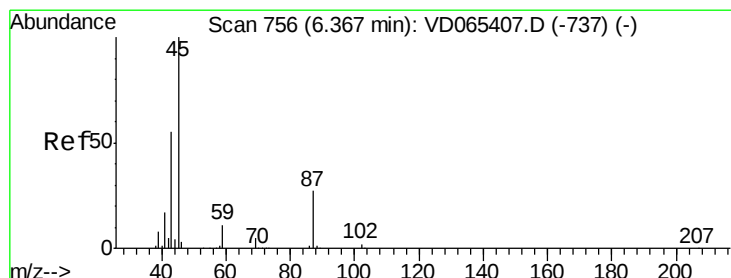
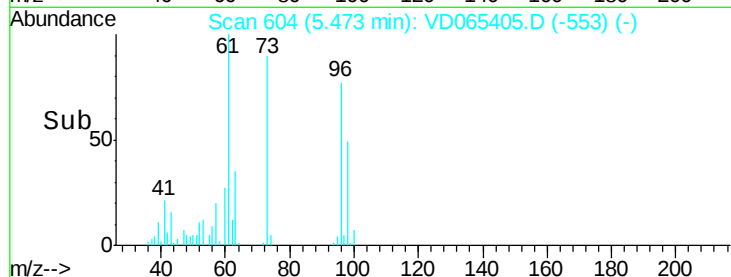
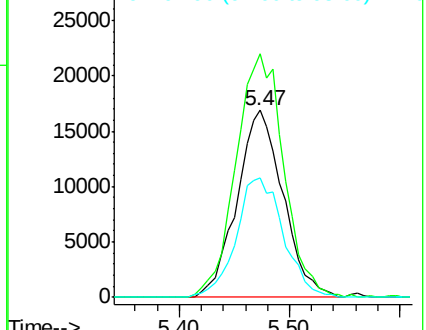
96 100

61 130.4 106.3 159.5

98 64.3 50.2 75.4



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



#22

Diisopropyl ether

Concen: 9.82 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion: 45 Resp: 127657

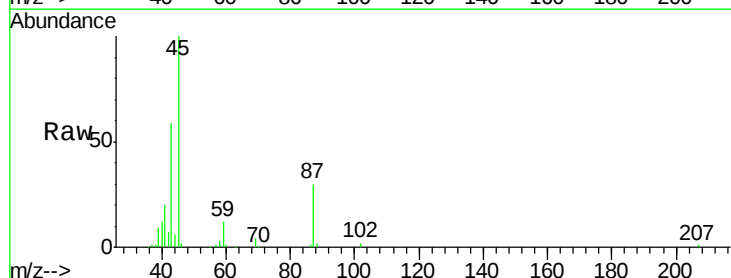
Ion Ratio Lower Upper

45 100

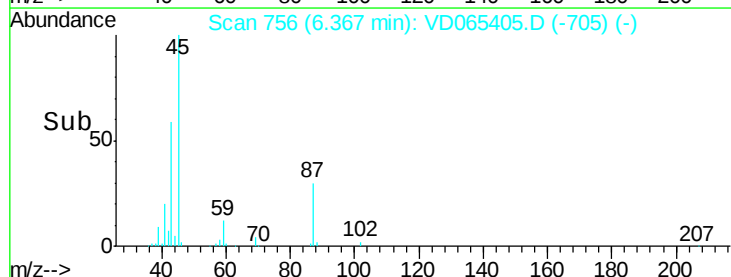
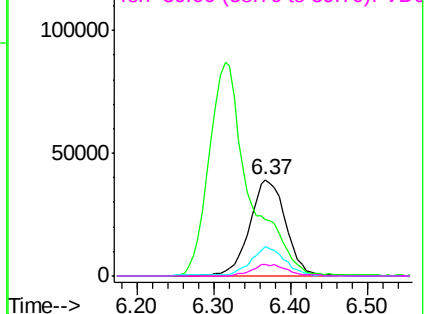
43 57.4 44.4 66.6

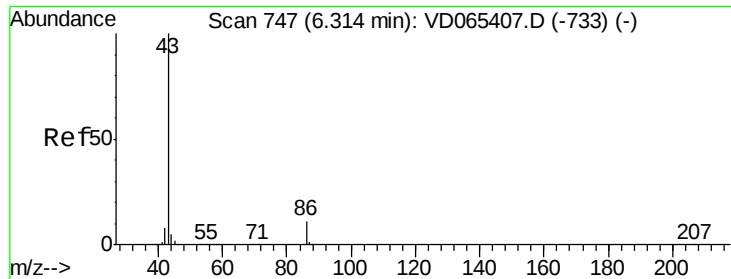
87 30.3 21.9 32.9

59 12.0 9.2 13.8



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

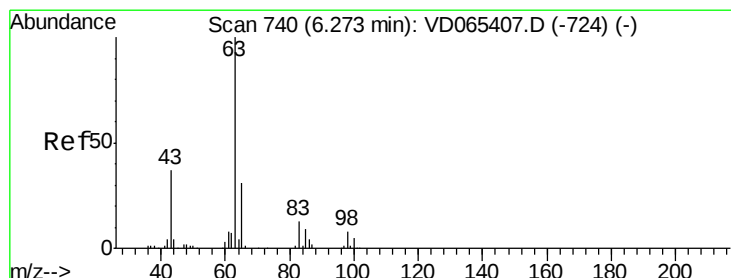
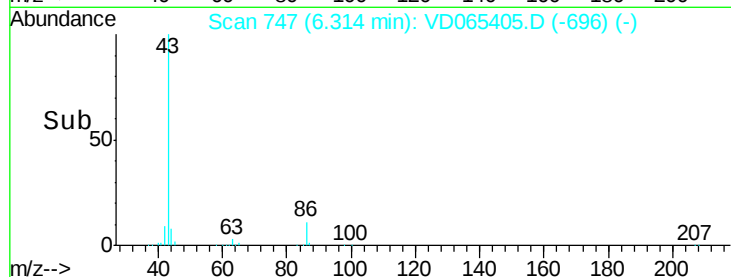
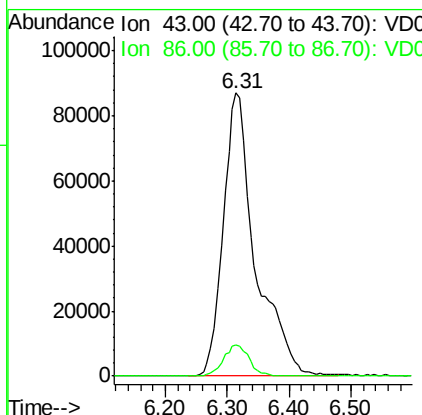
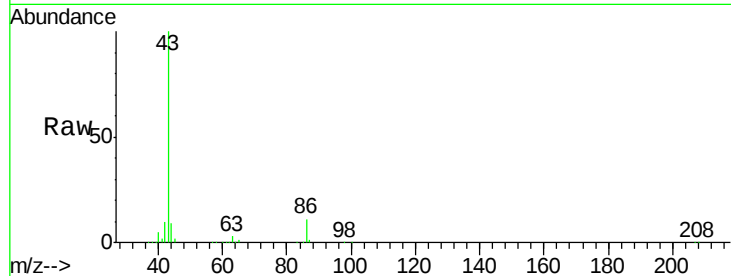




#23
 Vinyl Acetate
 Concen: 43.54 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

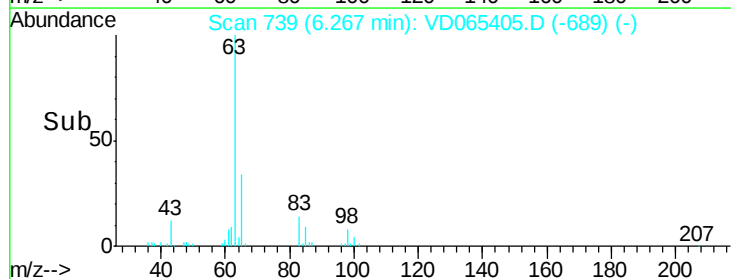
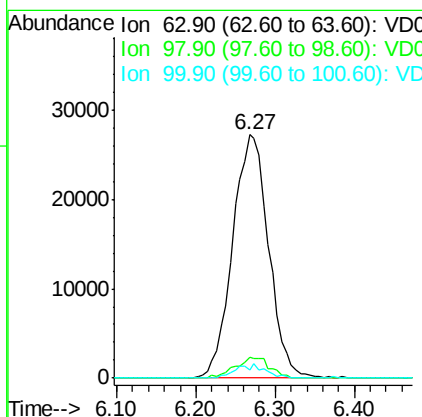
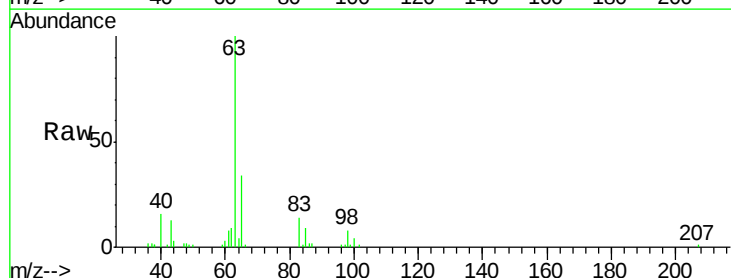
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

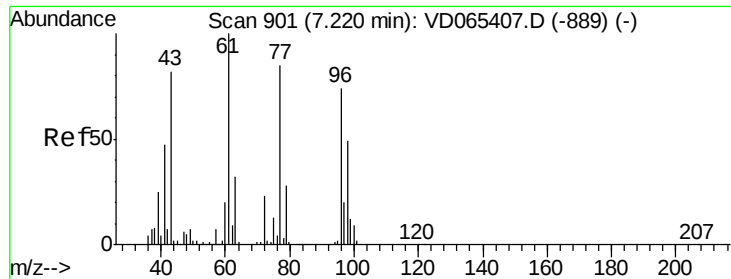
Tgt Ion: 43 Resp: 313748
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 10.40 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion: 63 Resp: 85833
 Ion Ratio Lower Upper
 63 100
 98 8.4 4.2 12.6
 100 3.5 2.4 7.2





#25

2-Butanone

Concen: 46.08 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

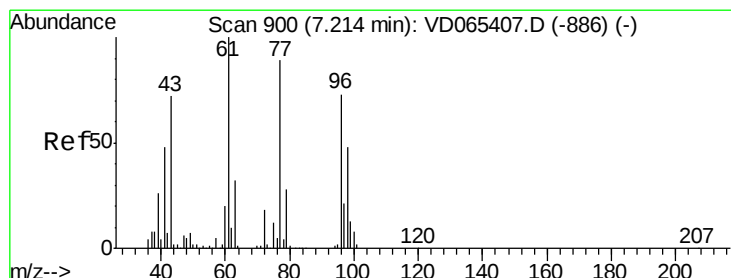
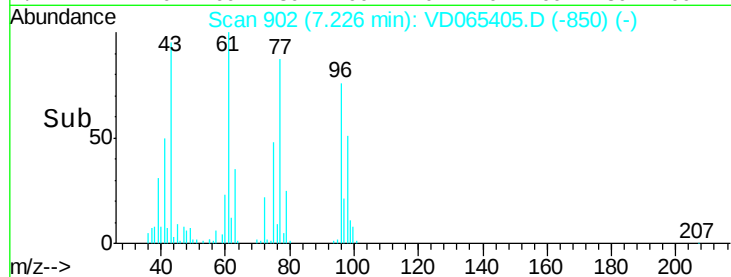
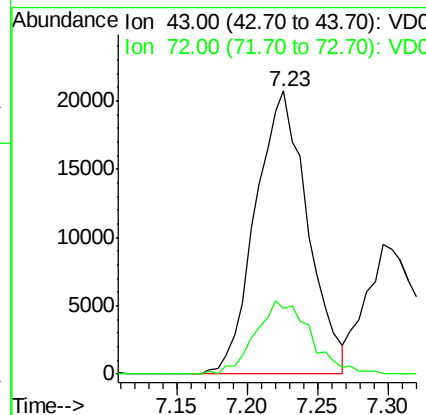
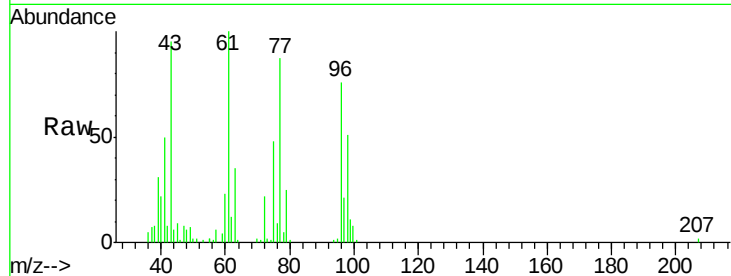
VSTDIC010

Tgt Ion: 43 Resp: 53452

Ion Ratio Lower Upper

43 100

72 23.2 22.3 33.5



#26

2,2-Dichloropropane

Concen: 10.05 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065405.D

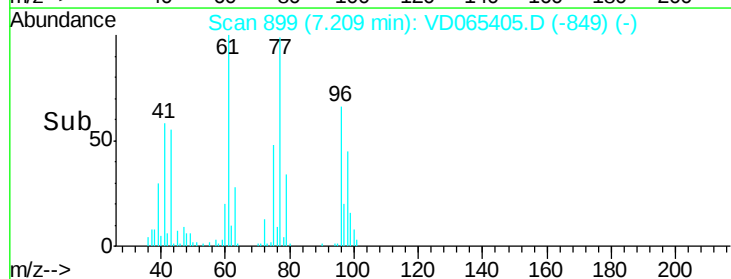
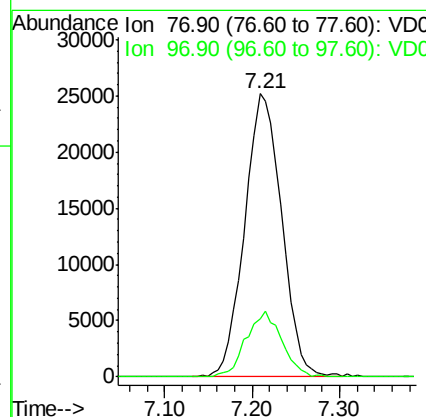
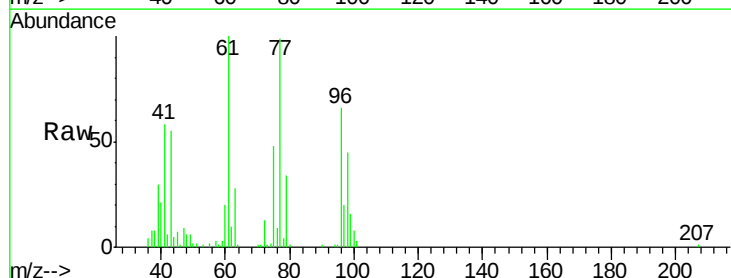
Acq: 04 Mar 2020 11:04

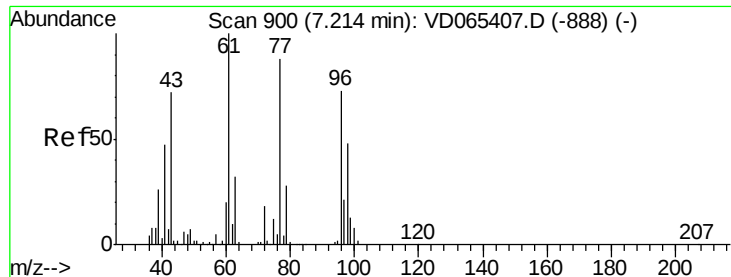
Tgt Ion: 77 Resp: 72527

Ion Ratio Lower Upper

77 100

97 22.2 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 9.87 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

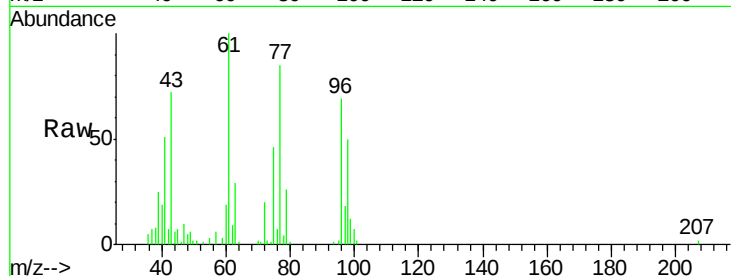
Tgt Ion: 96 Resp: 50772

Ion Ratio Lower Upper

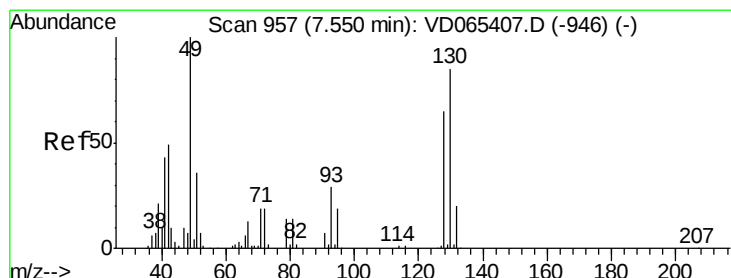
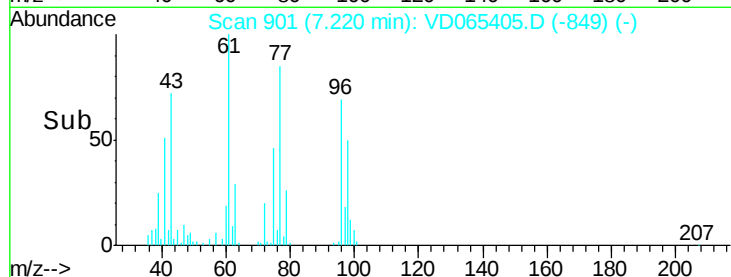
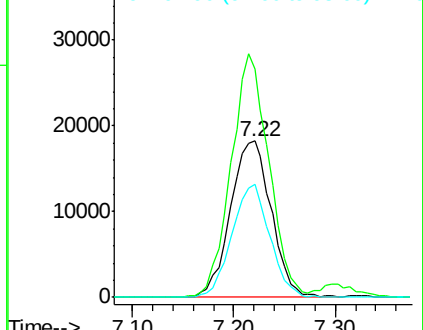
96 100

61 144.5 0.0 280.4

98 67.1 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: 9.97 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

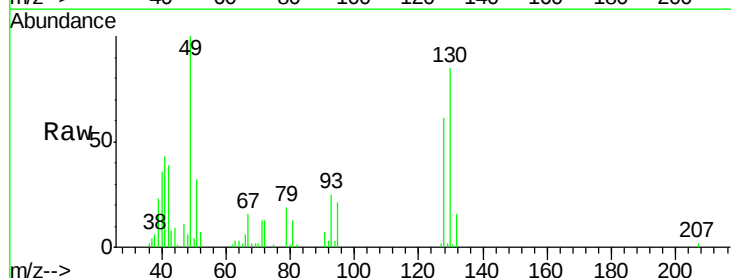
Tgt Ion: 49 Resp: 33377

Ion Ratio Lower Upper

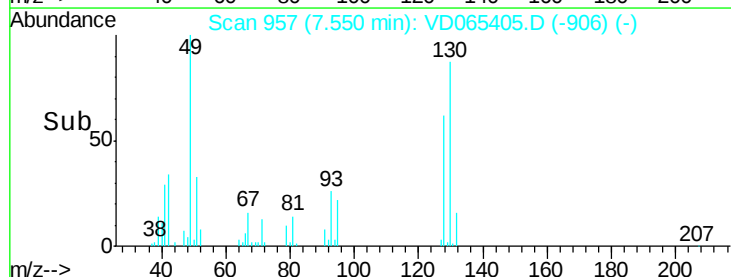
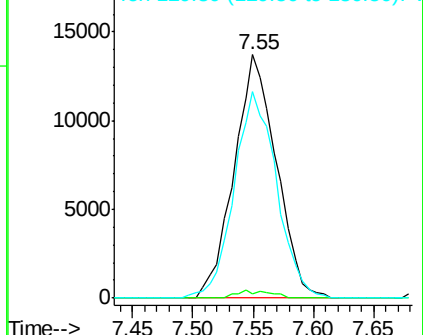
49 100

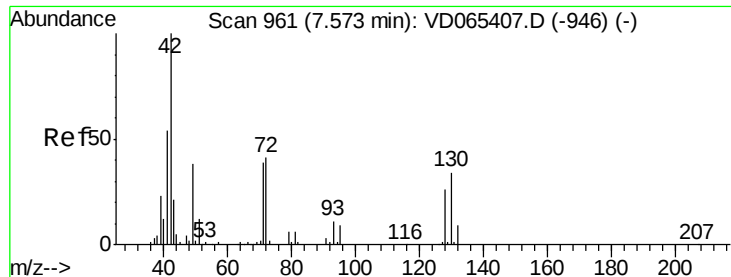
129 2.4 0.0 4.6

130 85.3 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

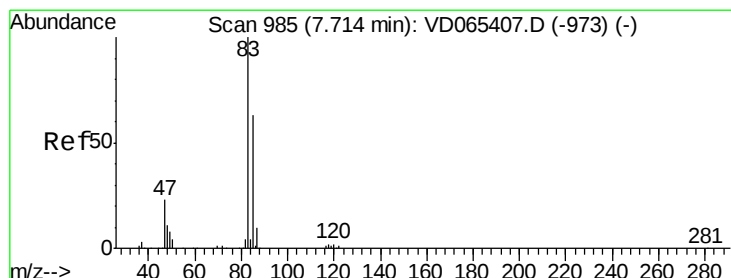
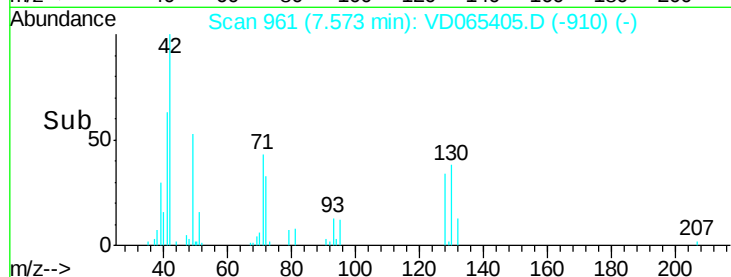
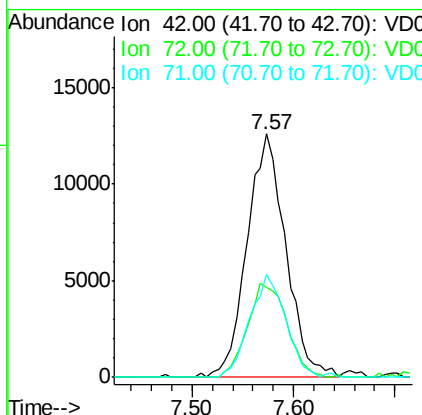
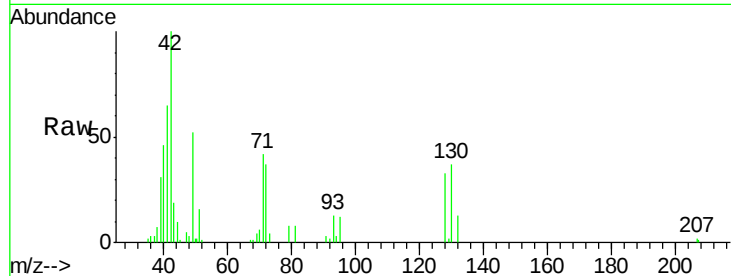




#29
Tetrahydrofuran
Concen: 44.80 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

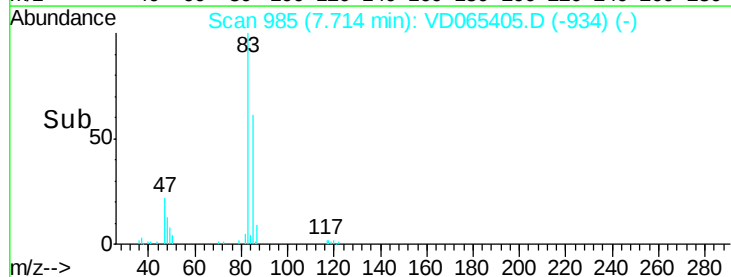
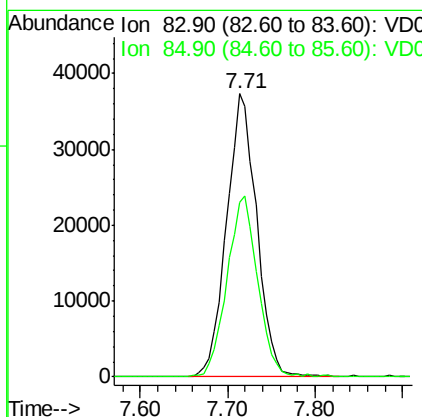
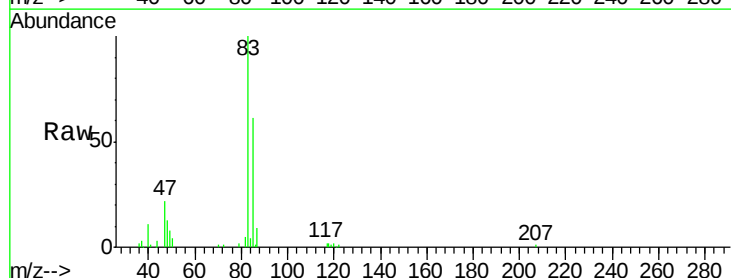
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

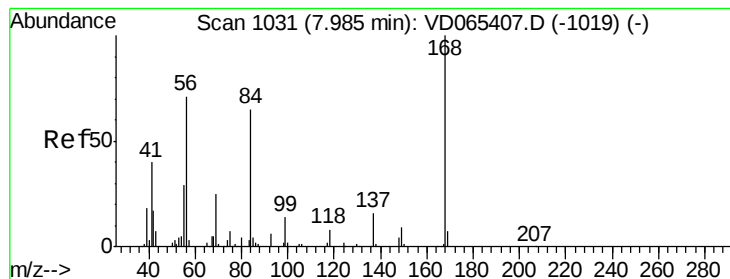
Tgt Ion: 42 Resp: 33380
Ion Ratio Lower Upper
42 100
72 39.4 33.0 49.6
71 38.9 32.0 48.0



#30
Chloroform
Concen: 10.56 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion: 83 Resp: 87631
Ion Ratio Lower Upper
83 100
85 61.5 50.3 75.5





#31

Cyclohexane

Concen: 10.12 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

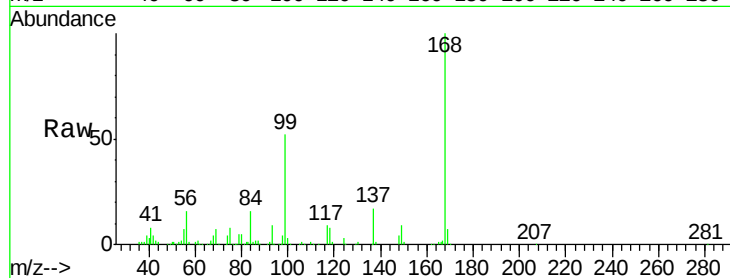
Tgt Ion: 56 Resp: 83122

Ion Ratio Lower Upper

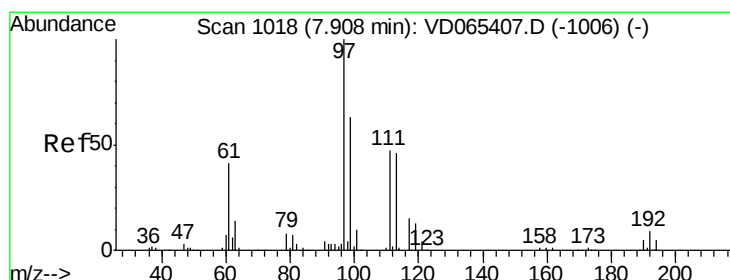
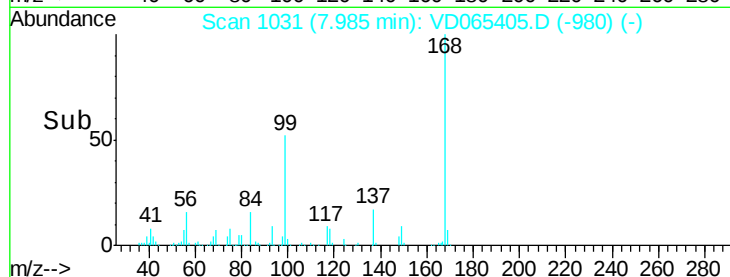
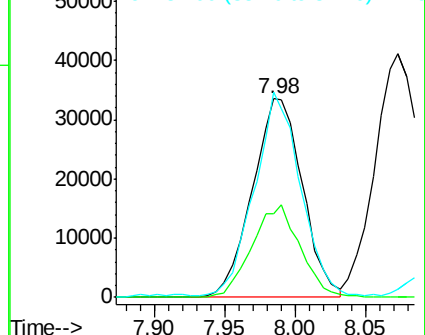
56 100

69 41.9 28.3 42.5

84 102.7 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: 10.38 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

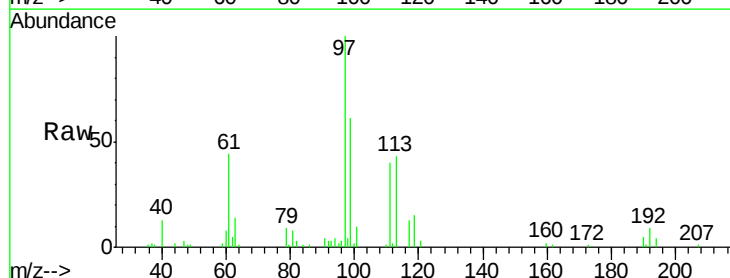
Tgt Ion: 97 Resp: 79063

Ion Ratio Lower Upper

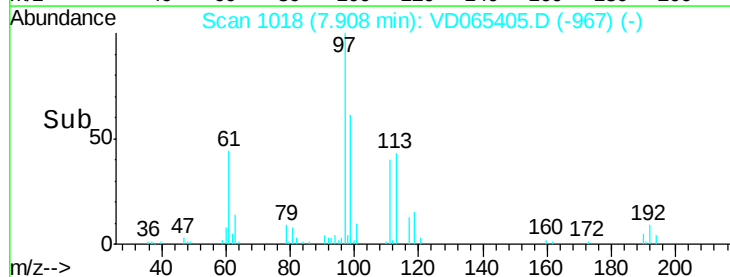
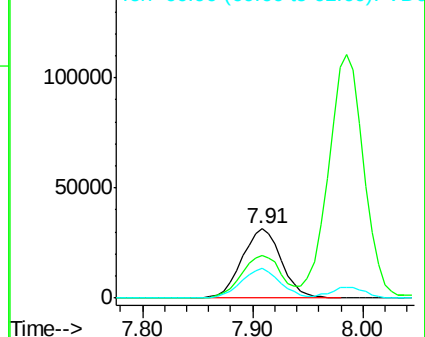
97 100

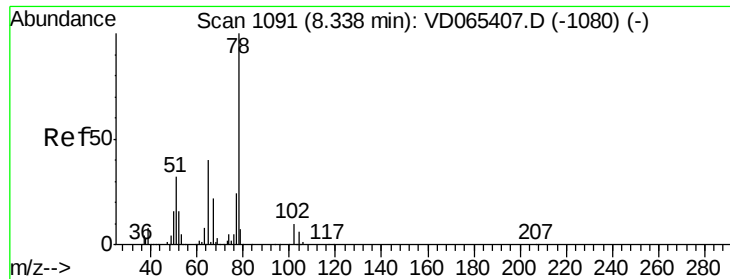
99 61.6 50.9 76.3

61 42.6 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

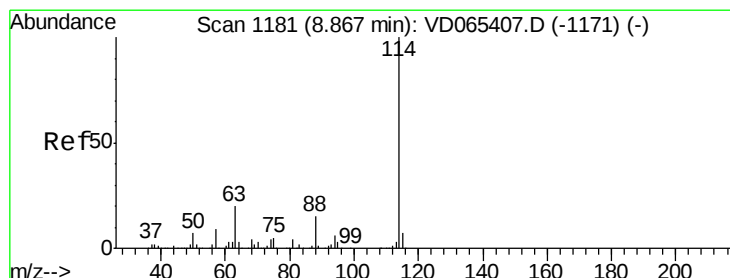
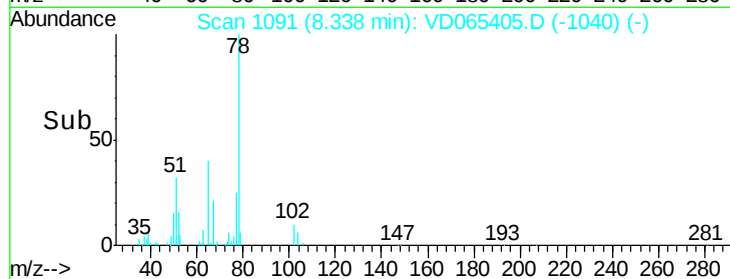
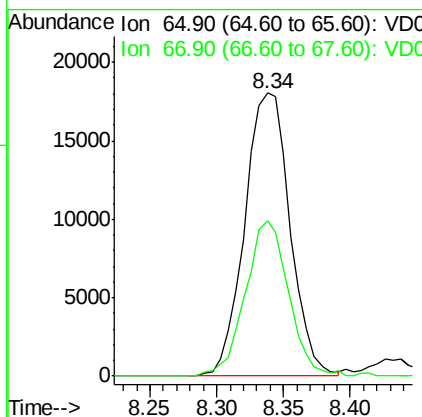
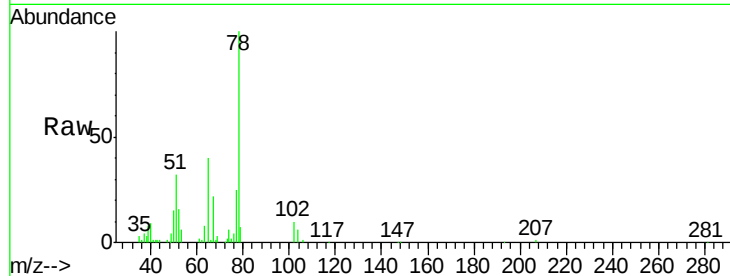




#33
 1,2-Dichloroethane-d4
 Concen: 10.19 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

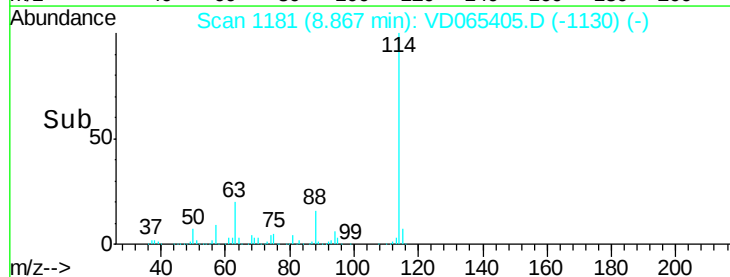
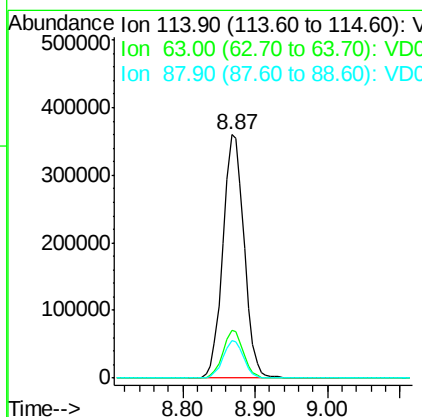
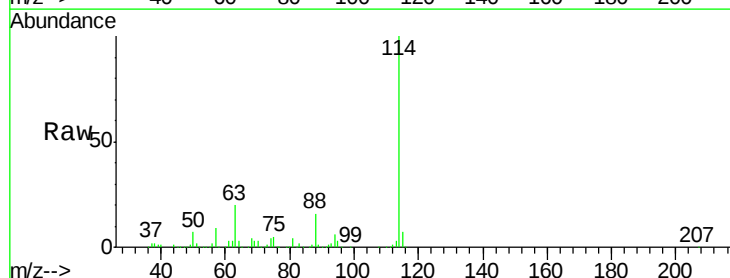
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 65 Resp: 42367
 Ion Ratio Lower Upper
 65 100
 67 52.2 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: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion: 114 Resp: 732542
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 15.7 0.0 30.4

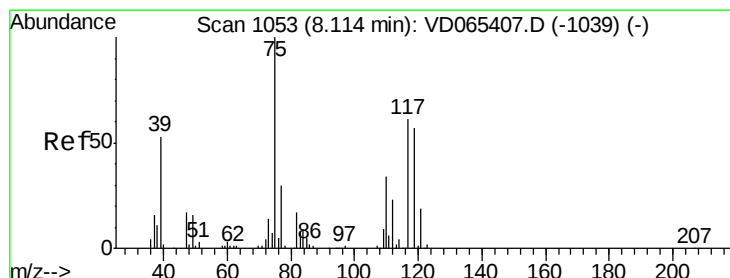
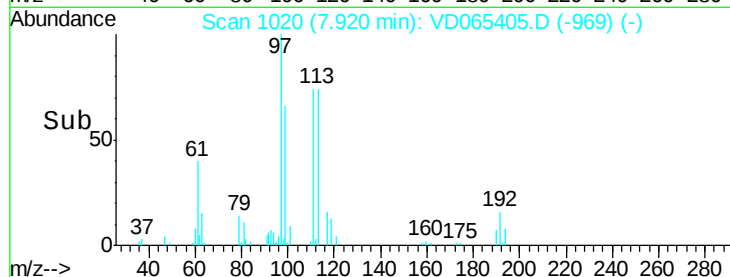
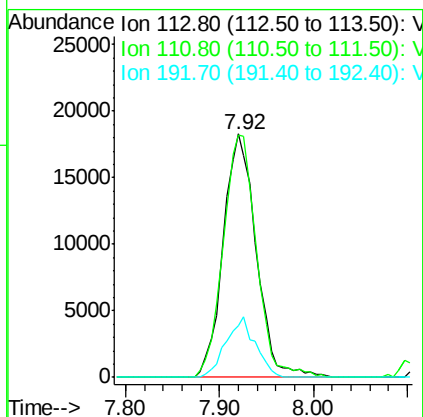
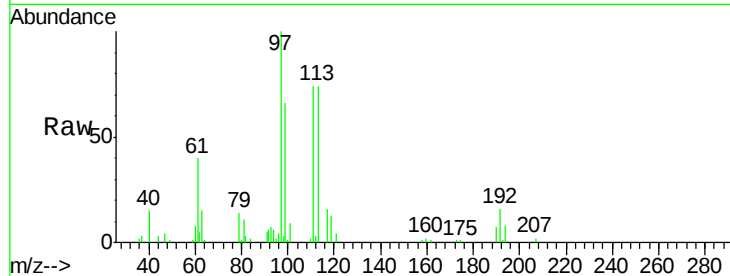




#35
 Dibromofluoromethane
 Concen: 9.82 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

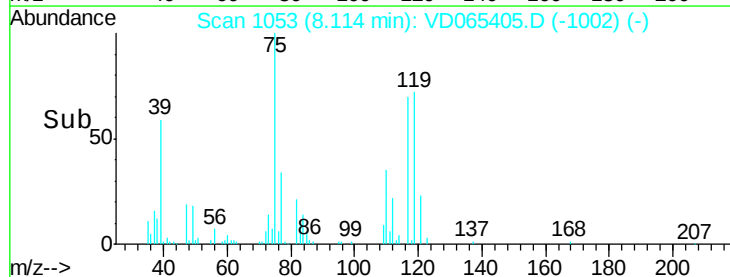
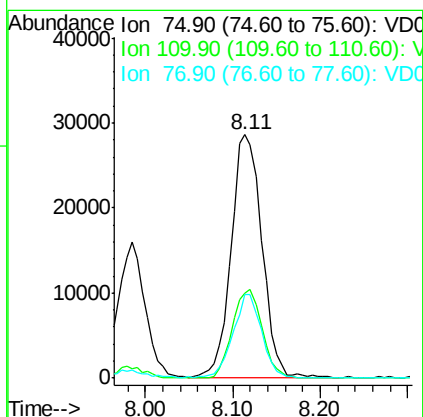
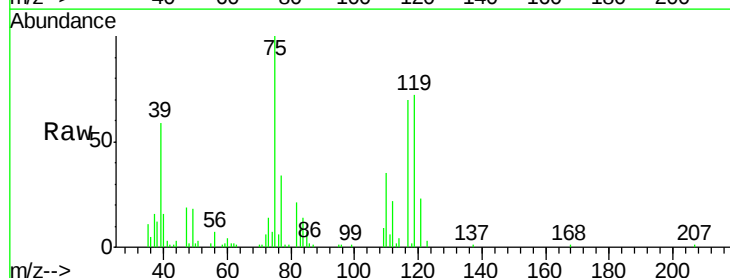
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

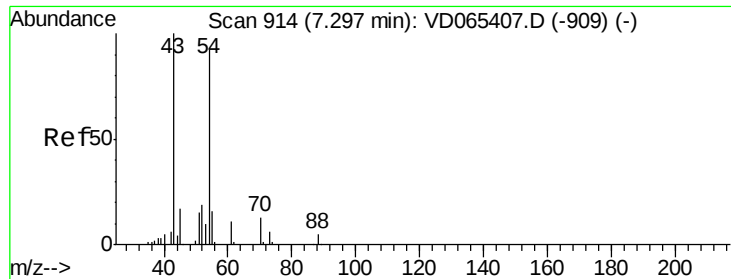
Tgt Ion: 113 Resp: 44610
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.1 123.1
 192 22.0 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 9.71 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion: 75 Resp: 68386
 Ion Ratio Lower Upper
 75 100
 110 35.0 18.1 54.1
 77 32.1 25.2 37.8

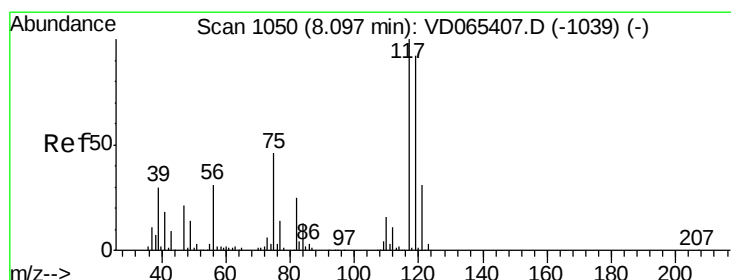
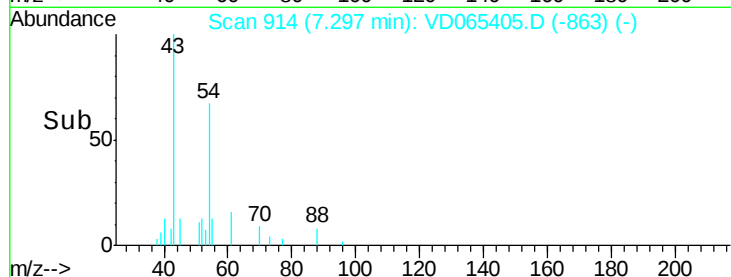
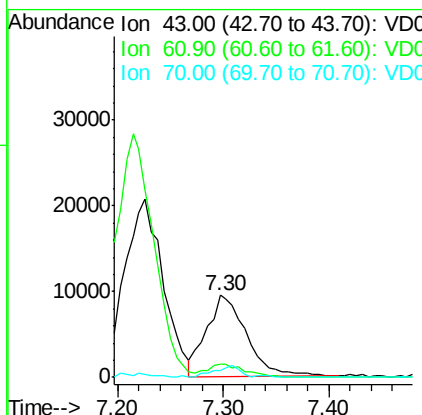
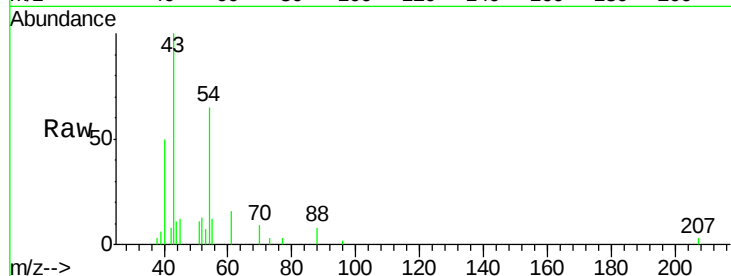




#37
Ethyl Acetate
Concen: 8.91 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

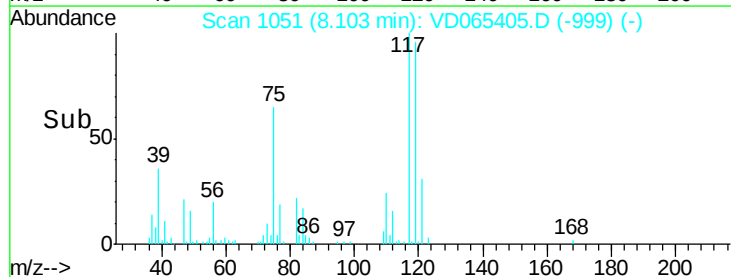
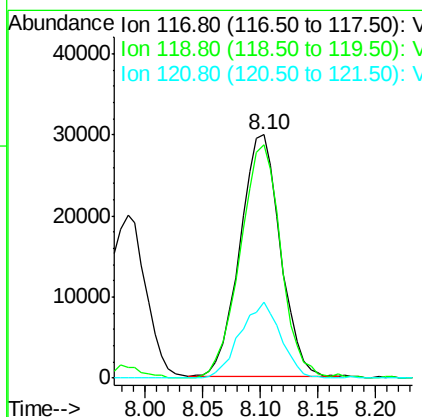
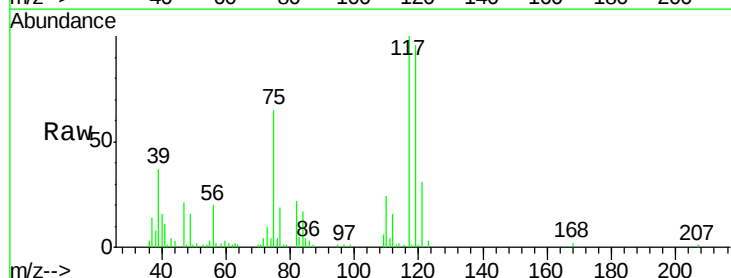
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

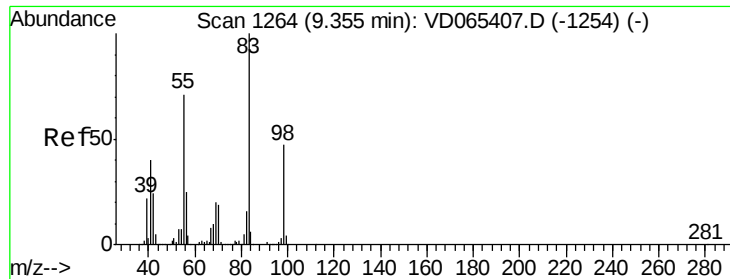
Tgt Ion: 43 Resp: 24576
Ion Ratio Lower Upper
43 100
61 15.7 11.4 17.0
70 9.2 9.0 13.4



#38
Carbon Tetrachloride
Concen: 9.98 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion: 117 Resp: 72558
Ion Ratio Lower Upper
117 100
119 96.6 73.3 109.9
121 31.6 25.0 37.4

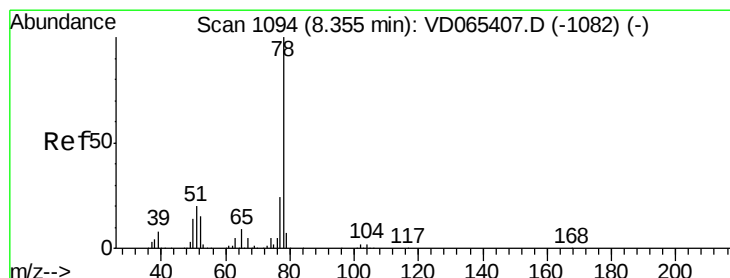
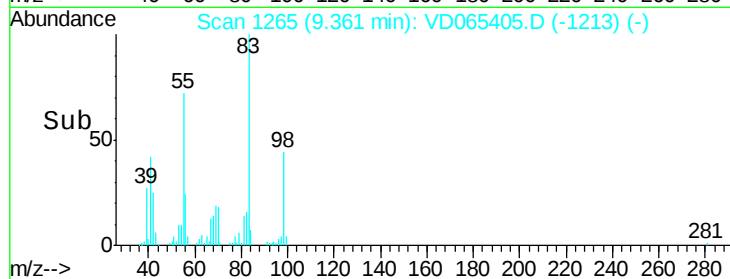
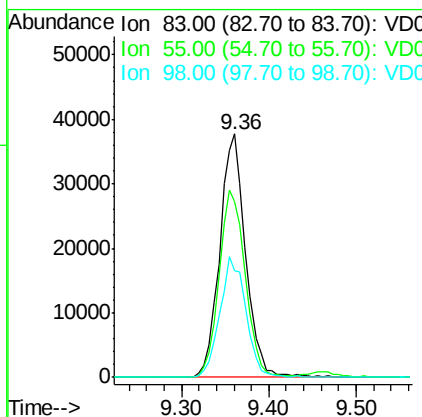
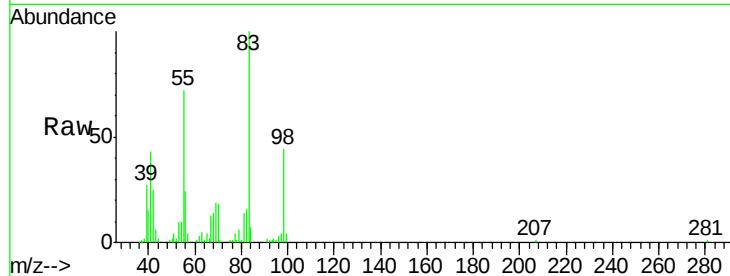




#39
Methylcyclohexane
Concen: 9.10 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

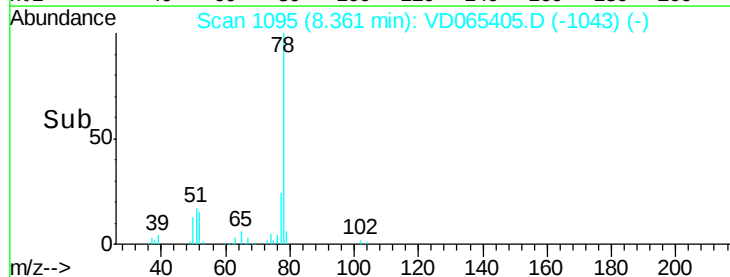
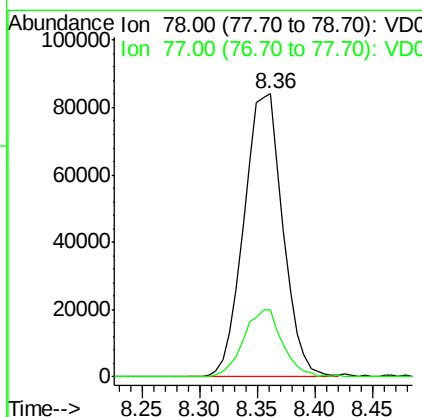
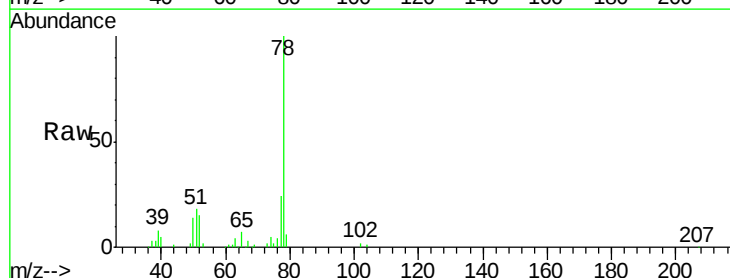
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

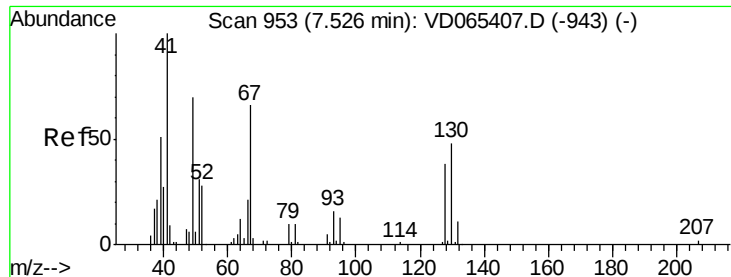
Tgt Ion: 83 Resp: 76623
Ion Ratio Lower Upper
83 100
55 72.3 57.1 85.7
98 43.6 37.8 56.8



#40
Benzene
Concen: 10.05 ug/l
RT: 8.36 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion: 78 Resp: 198548
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

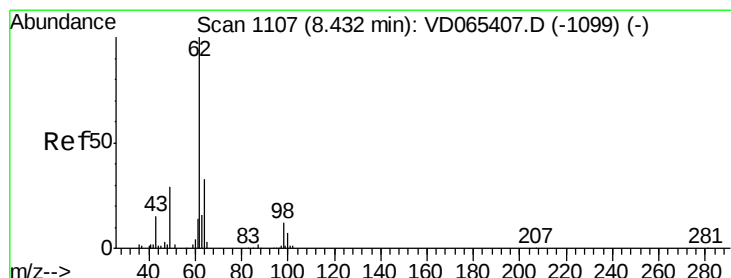
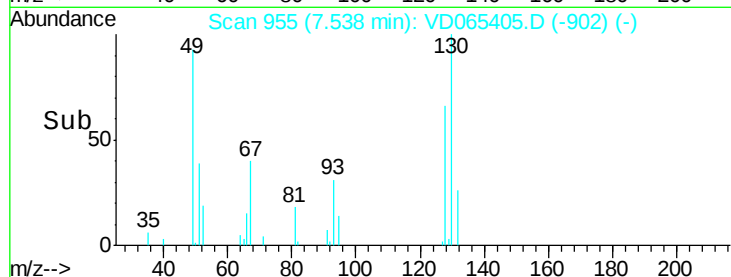
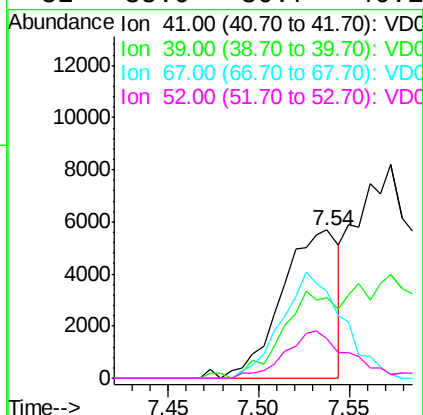
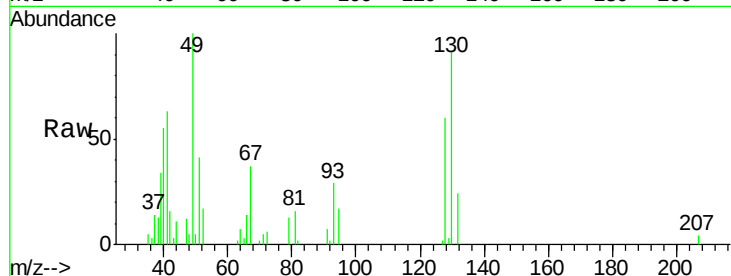




#41
Methacrylonitrile
Concen: 8.94 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

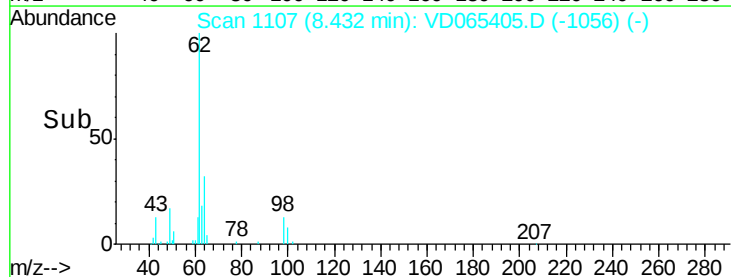
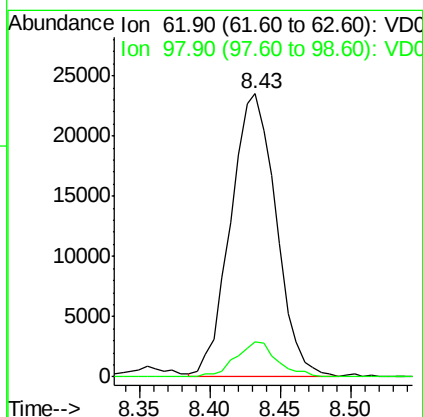
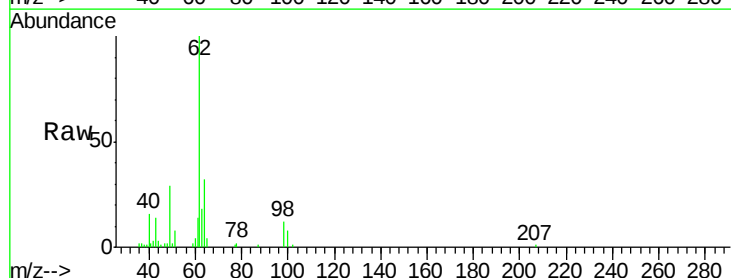
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

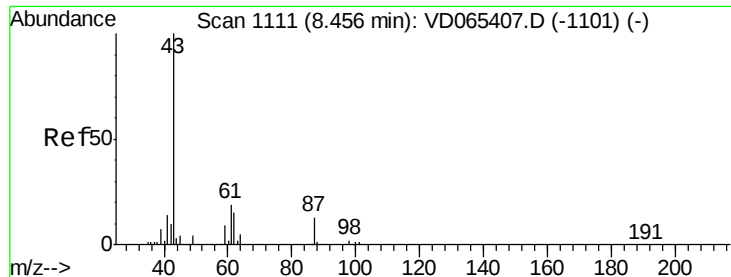
Tgt Ion:	41	Resp:	12525
Ion	Ratio	Lower	Upper
41	100		
39	55.6	55.0	82.6
67	76.2	70.3	105.5
52	35.9	30.7	46.1



#42
1,2-Dichloroethane
Concen: 10.19 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion:	62	Resp:	52965
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.4





#43

Isopropyl Acetate

Concen: 8.98 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

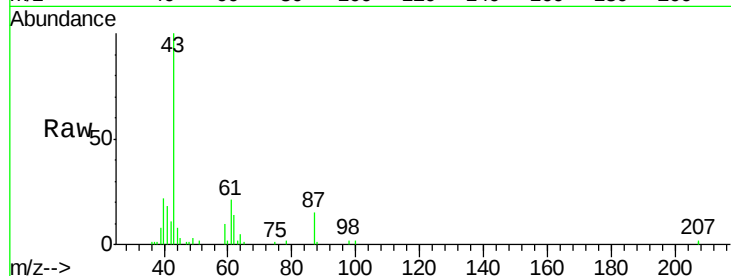
Tgt Ion: 43 Resp: 45332

Ion Ratio Lower Upper

43 100

61 33.7 25.0 37.6

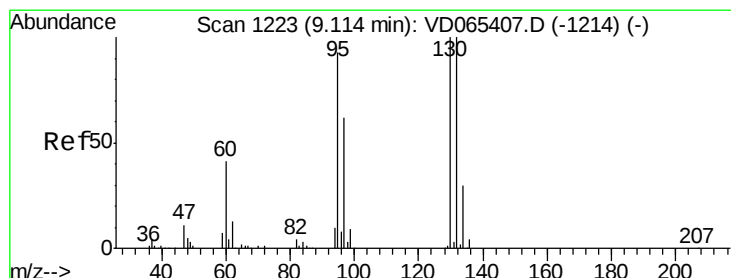
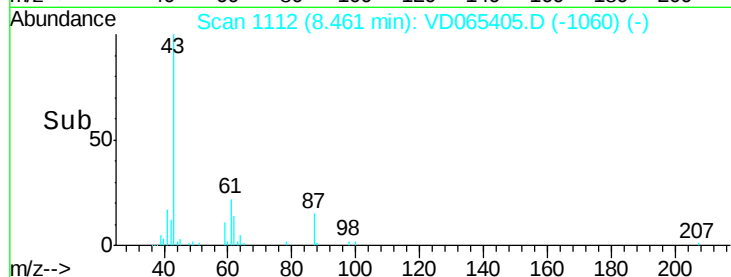
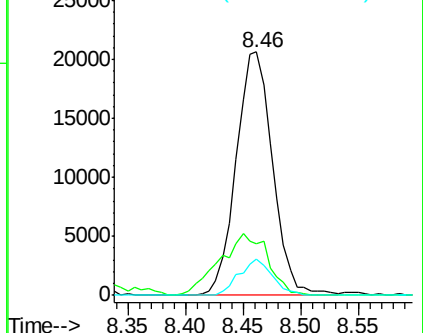
87 13.5 11.0 16.4



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: 9.93 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065405.D

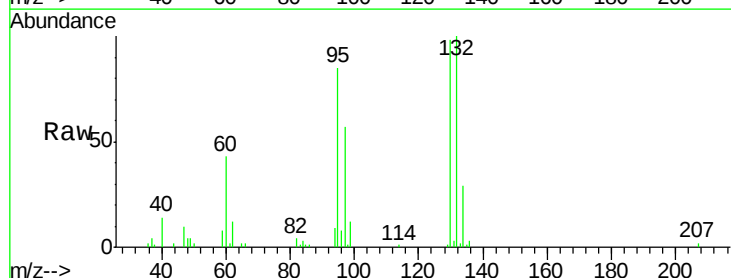
Acq: 04 Mar 2020 11:04

Tgt Ion: 130 Resp: 55038

Ion Ratio Lower Upper

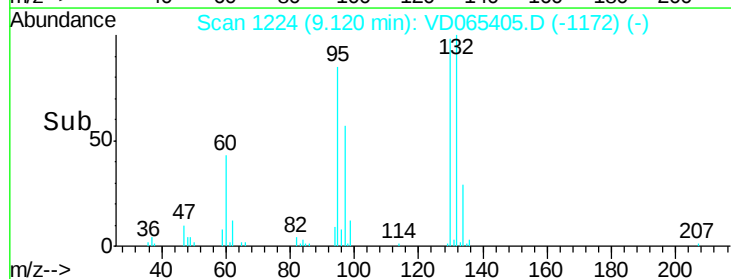
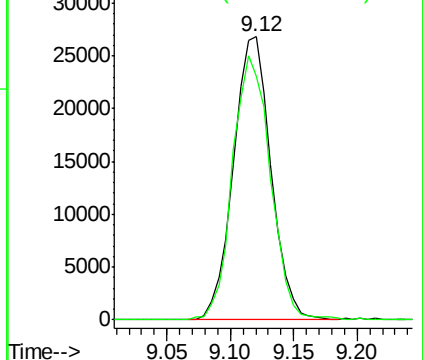
130 100

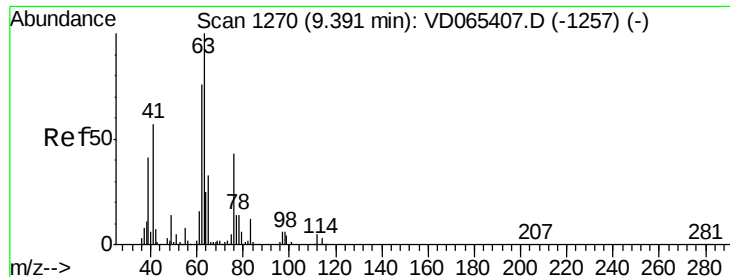
95 86.0 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

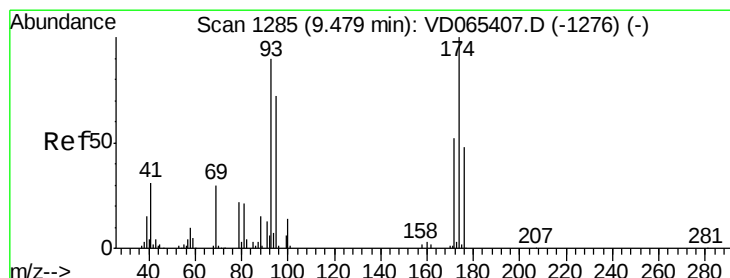
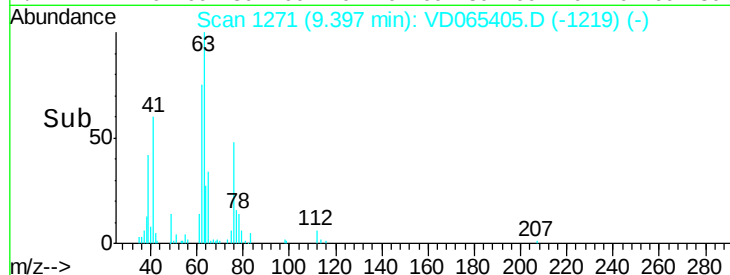
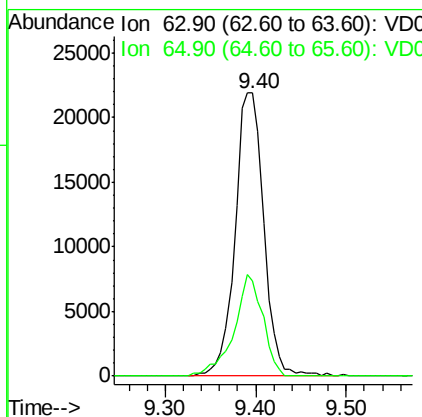
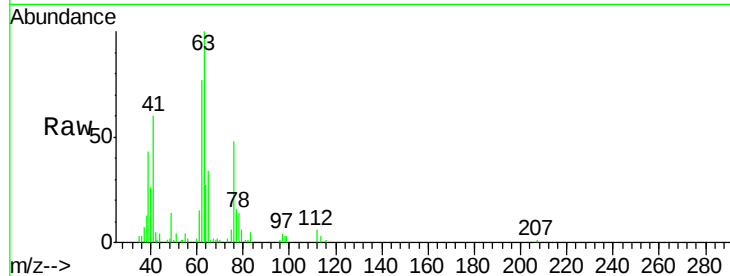




#45
 1,2-Dichloropropane
 Concen: 10.04 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

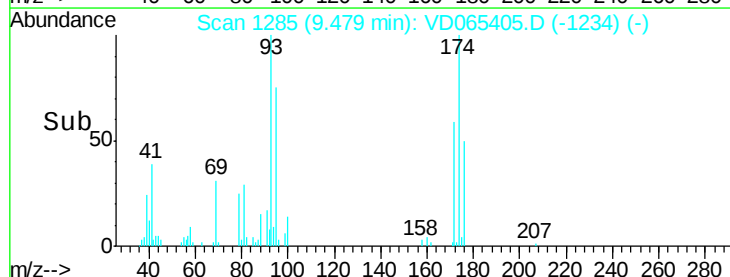
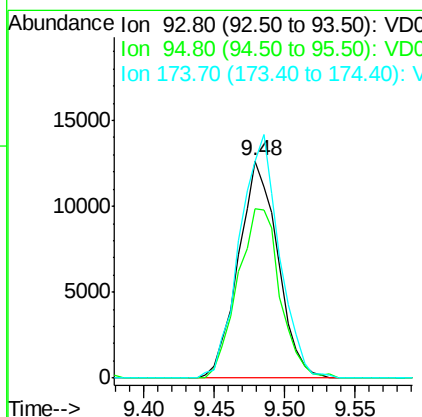
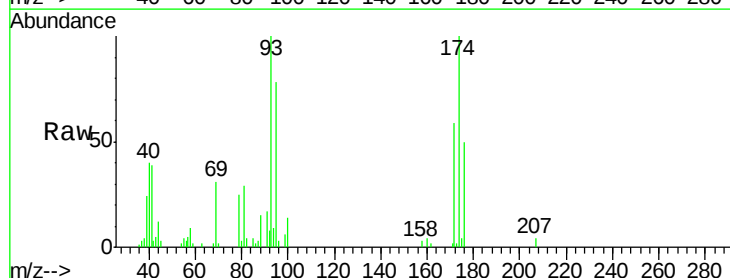
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 63 Resp: 48175
 Ion Ratio Lower Upper
 63 100
 65 33.8 26.4 39.6



#46
 Dibromomethane
 Concen: 9.91 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion: 93 Resp: 24706
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.0 97.6
 174 112.6 88.3 132.5





#47

Bromodichloromethane

Concen: 10.24 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

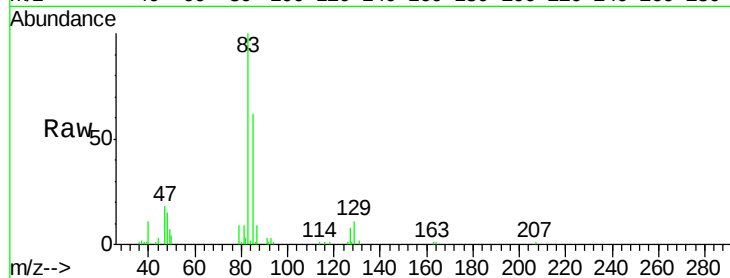
Tgt Ion: 83 Resp: 66300

Ion Ratio Lower Upper

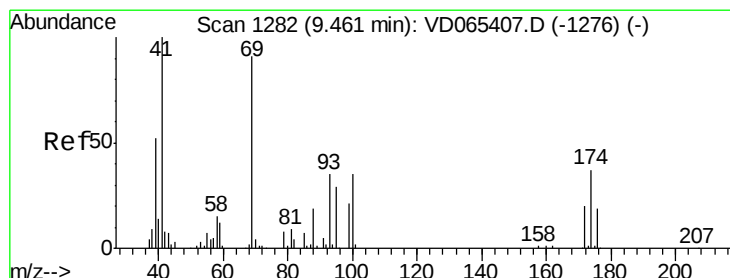
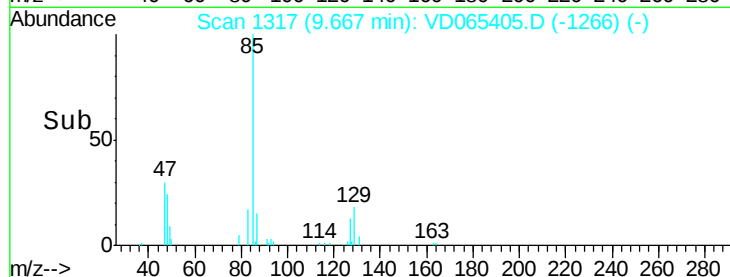
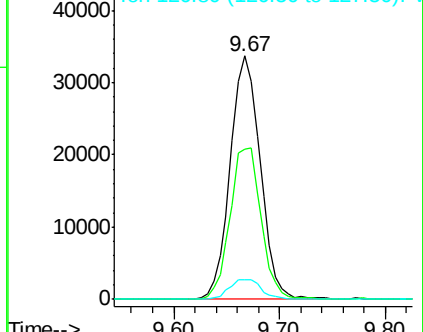
83 100

85 61.7 52.8 79.2

127 8.0 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: 8.70 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

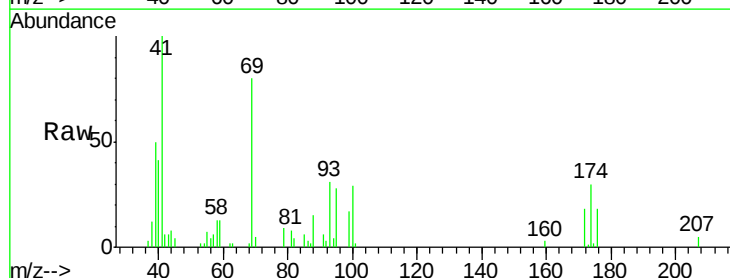
Tgt Ion: 41 Resp: 20762

Ion Ratio Lower Upper

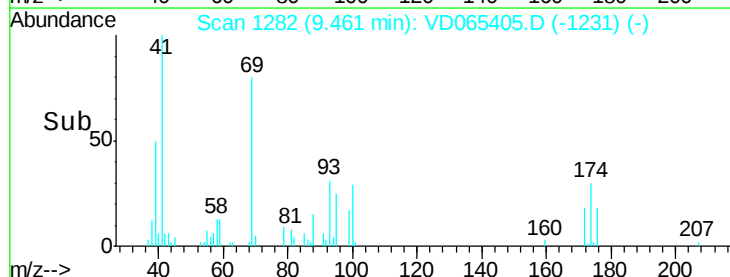
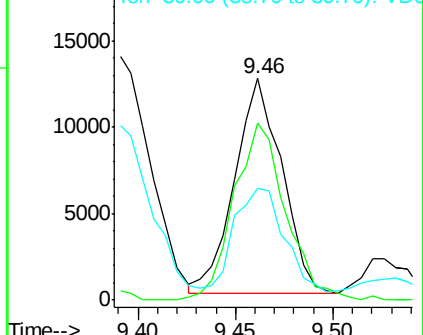
41 100

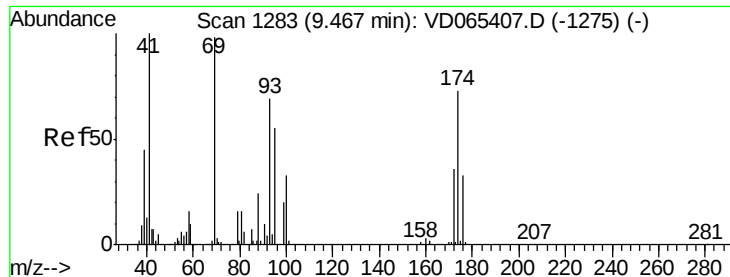
69 90.6 72.5 108.7

39 51.8 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

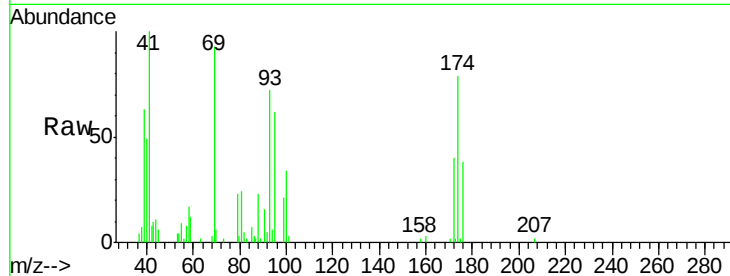




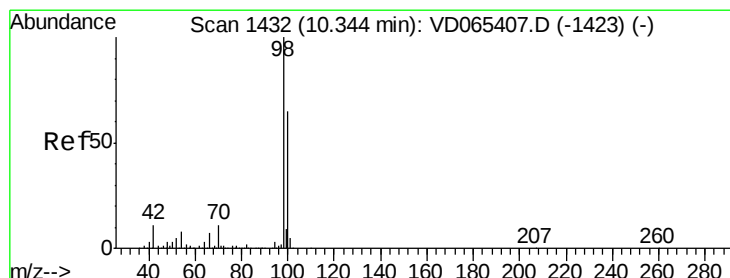
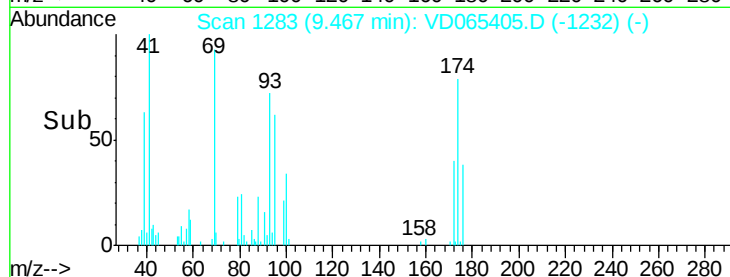
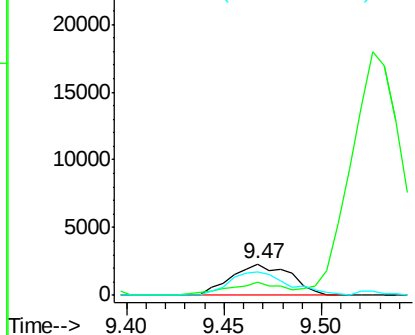
#49
1,4-Dioxane
Concen: 169.27 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 88 Resp: 4859
Ion Ratio Lower Upper
88 100
43 39.7 24.5 36.7#
58 75.3 54.5 81.7

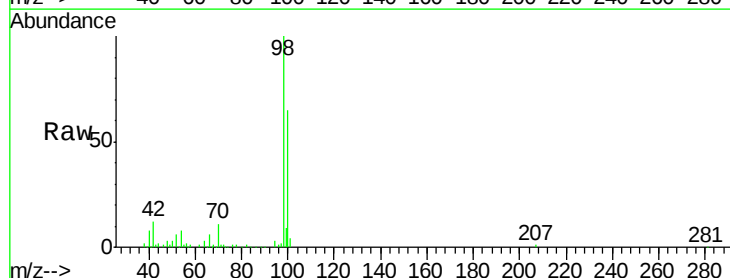


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

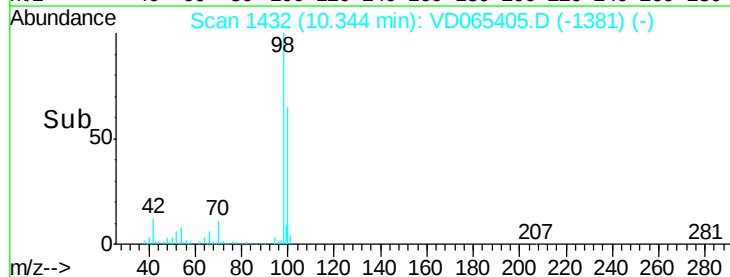
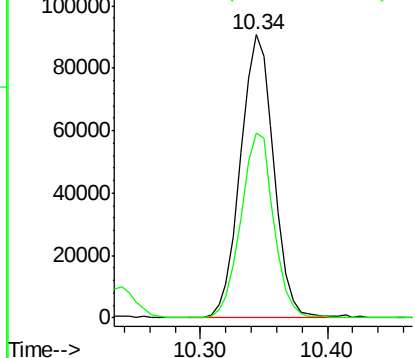


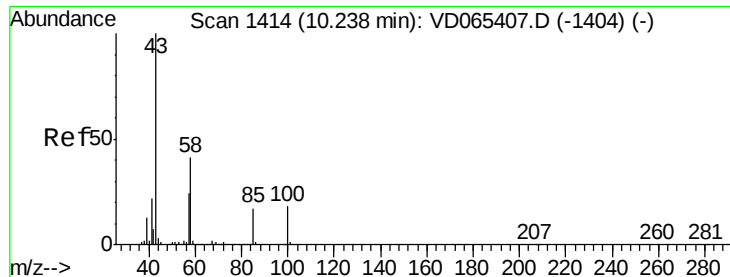
#50
Toluene-d8
Concen: 9.46 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion: 98 Resp: 164911
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2



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

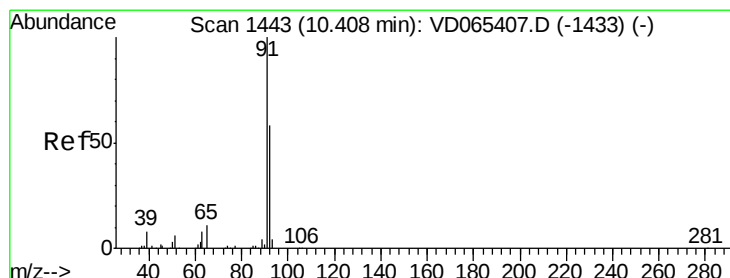
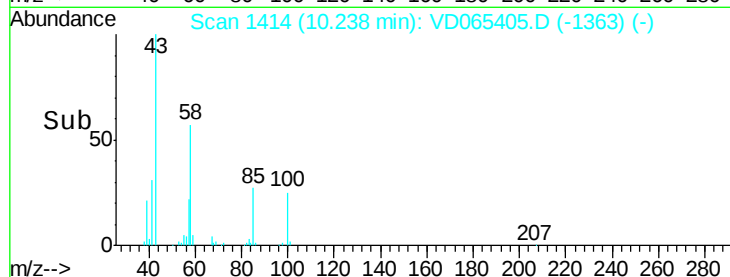
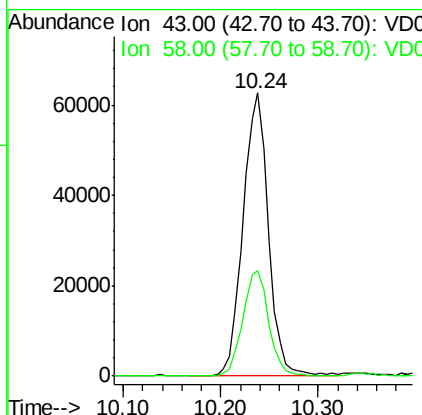
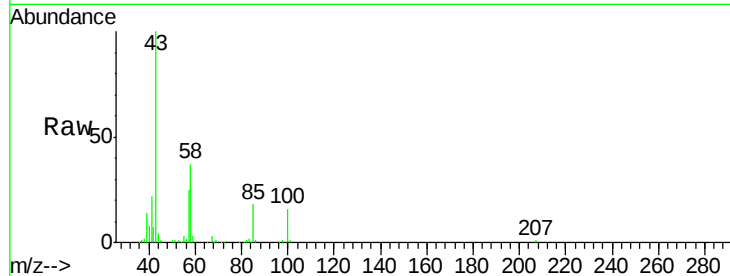




#51
 4-Methyl-2-Pentanone
 Concen: 44.76 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

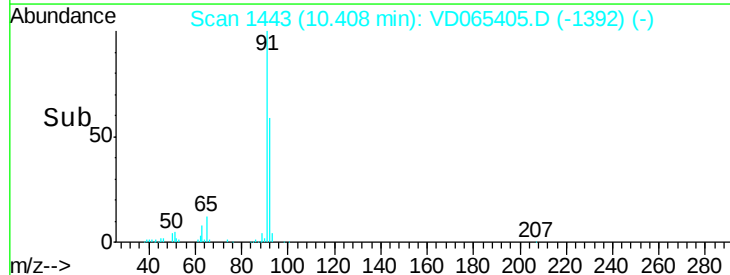
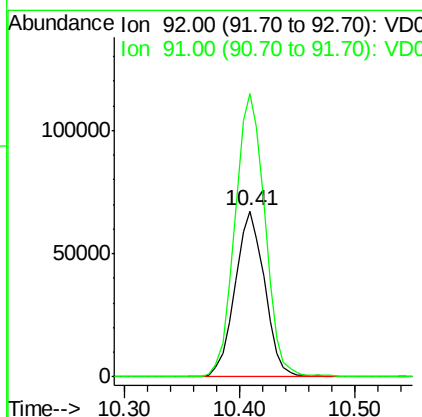
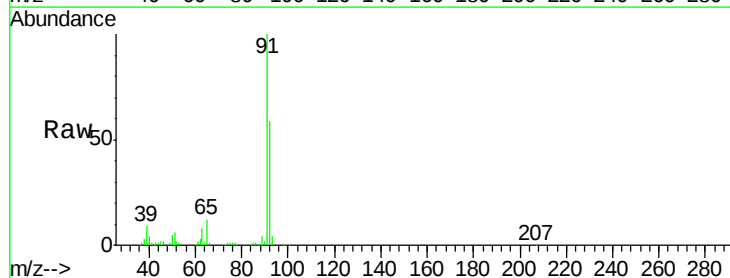
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

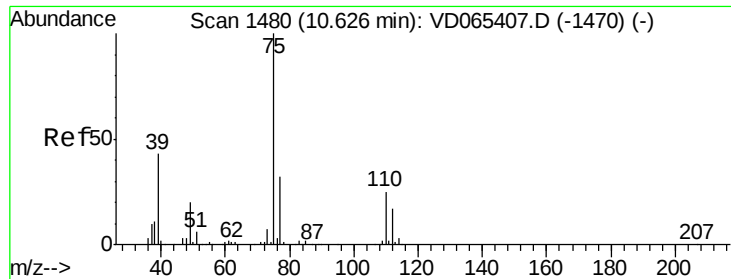
Tgt Ion: 43 Resp: 114240
 Ion Ratio Lower Upper
 43 100
 58 37.8 31.8 47.6



#52
 Toluene
 Concen: 9.65 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion: 92 Resp: 120133
 Ion Ratio Lower Upper
 92 100
 91 172.5 137.8 206.8

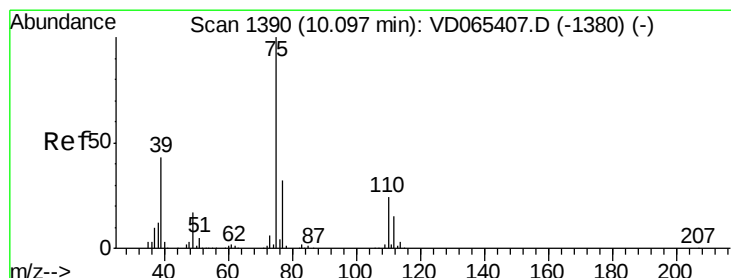
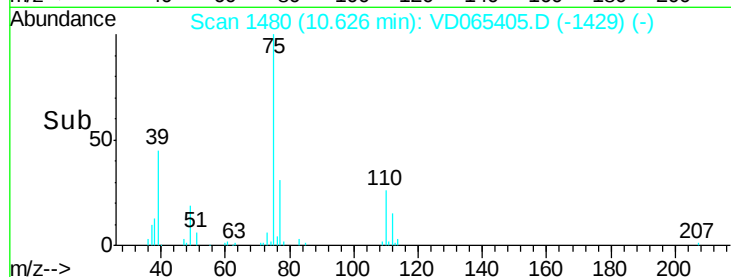
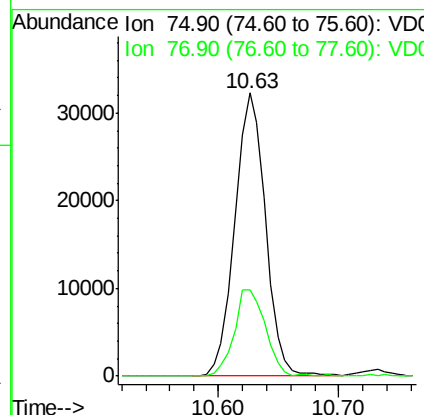
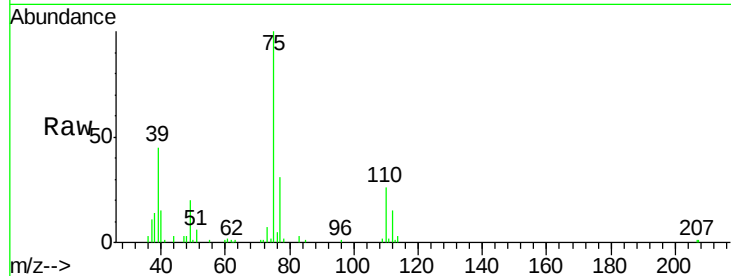




#53
t-1,3-Dichloropropene
Concen: 9.39 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

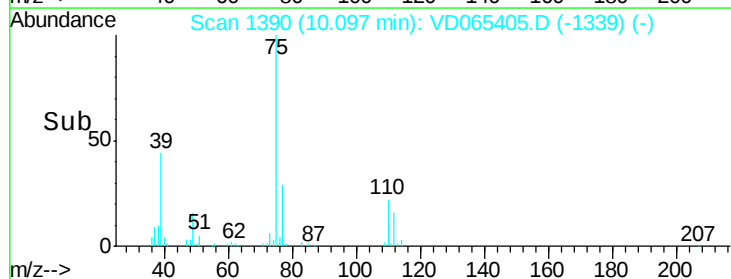
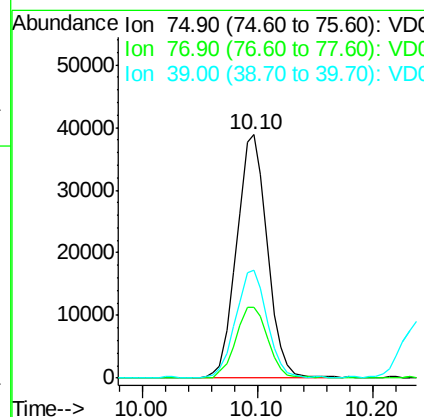
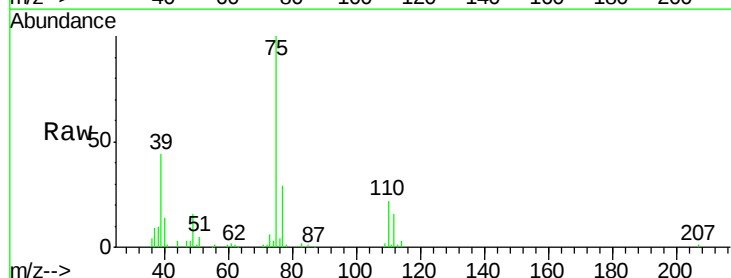
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

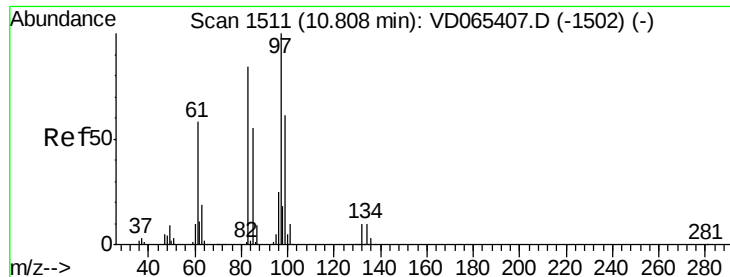
Tgt Ion: 75 Resp: 57183
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 9.74 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion: 75 Resp: 71689
Ion Ratio Lower Upper
75 100
77 28.9 25.3 37.9
39 44.3 34.6 52.0

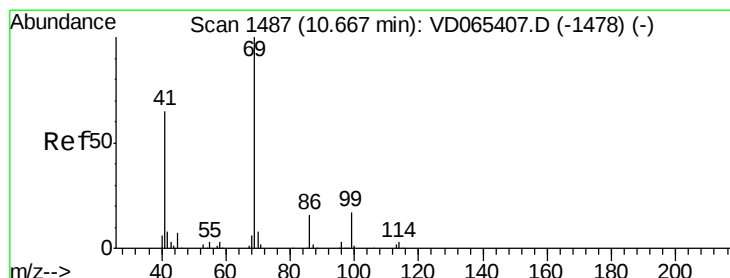
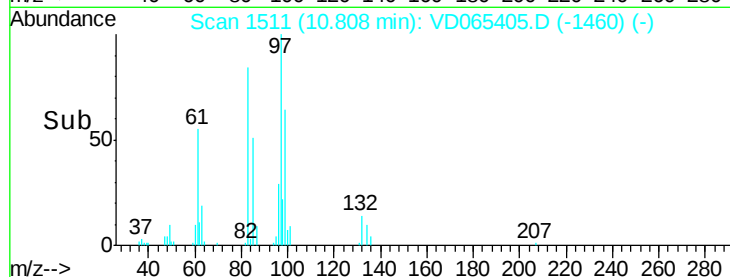
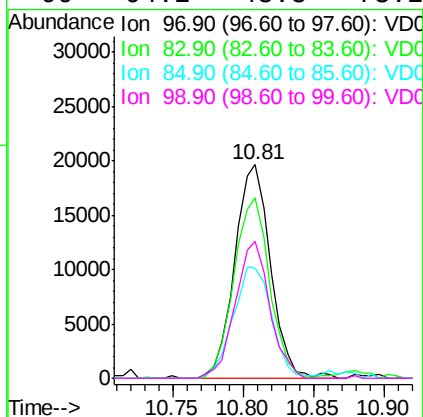
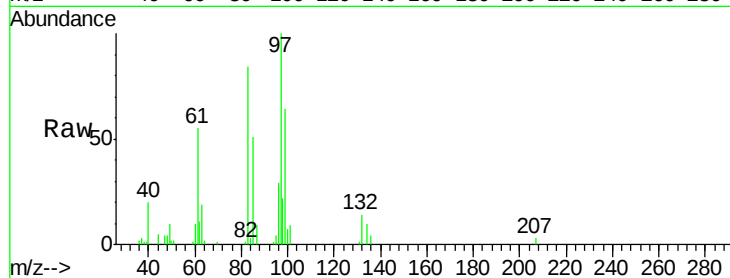




#55
 1,1,2-Trichloroethane
 Concen: 9.90 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

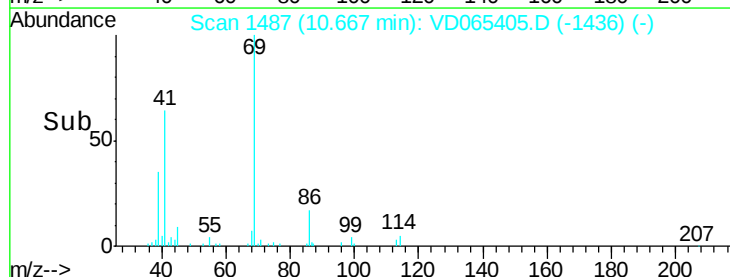
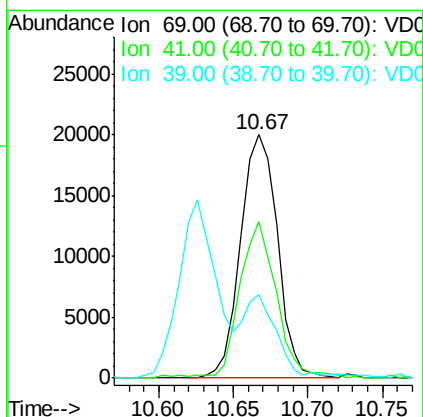
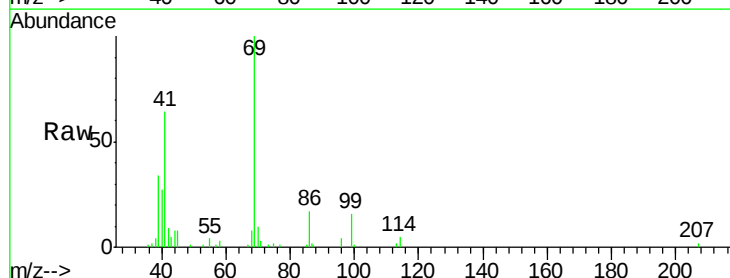
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

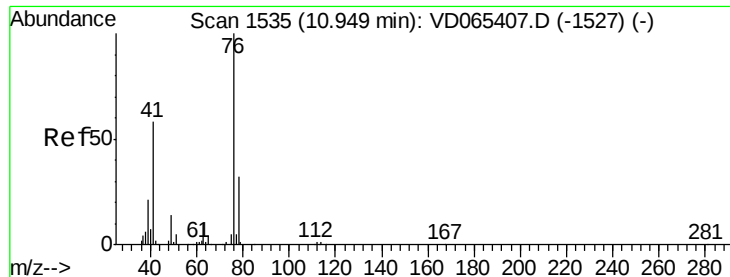
Tgt Ion: 97 Resp: 34920
 Ion Ratio Lower Upper
 97 100
 83 84.4 67.4 101.0
 85 51.4 43.8 65.8
 99 64.2 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 8.59 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion: 69 Resp: 34335
 Ion Ratio Lower Upper
 69 100
 41 64.7 53.0 79.6
 39 29.7 26.0 39.0

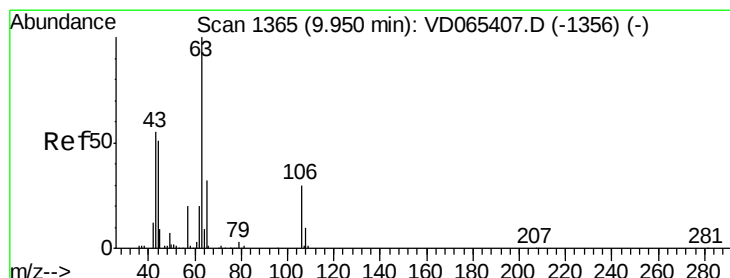
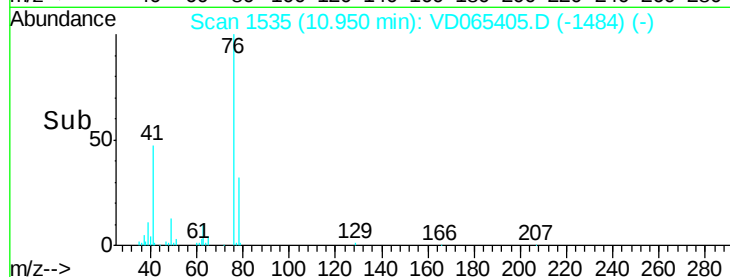
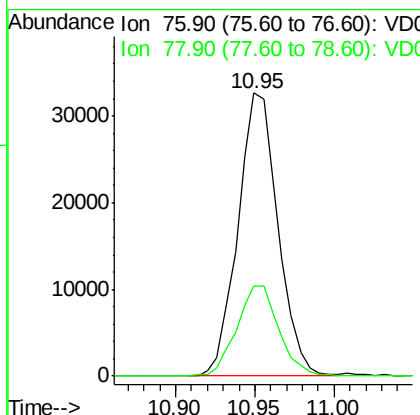
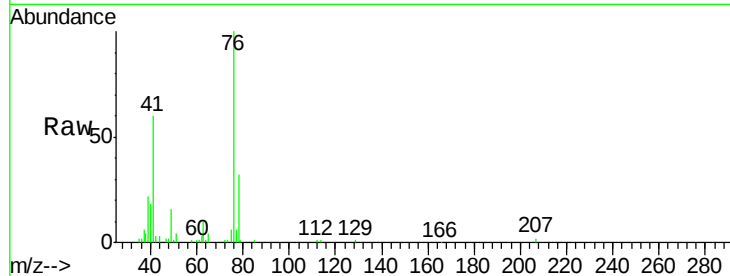




#57
 1,3-Dichloropropane
 Concen: 9.58 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

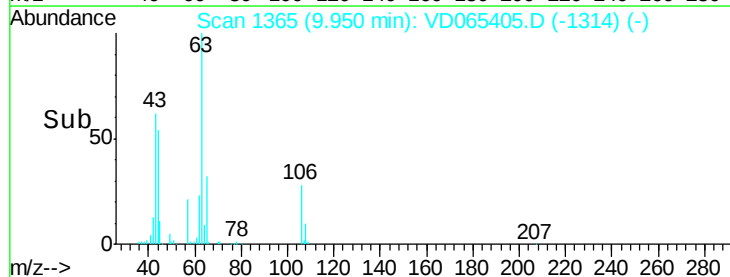
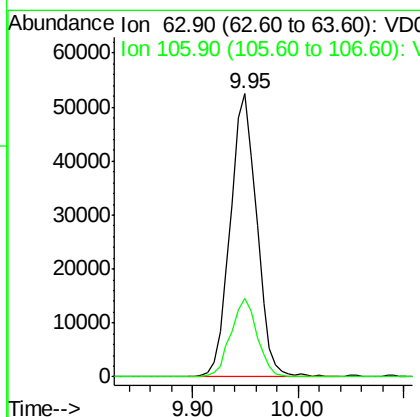
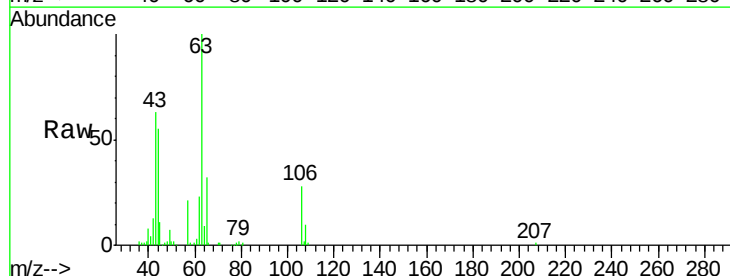
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

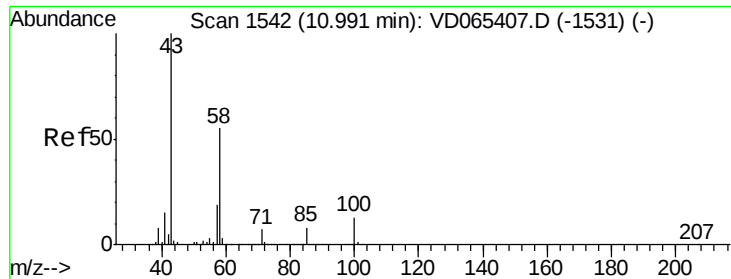
Tgt Ion: 76 Resp: 57343
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 63.82 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion: 63 Resp: 90726
 Ion Ratio Lower Upper
 63 100
 106 27.6 23.3 34.9

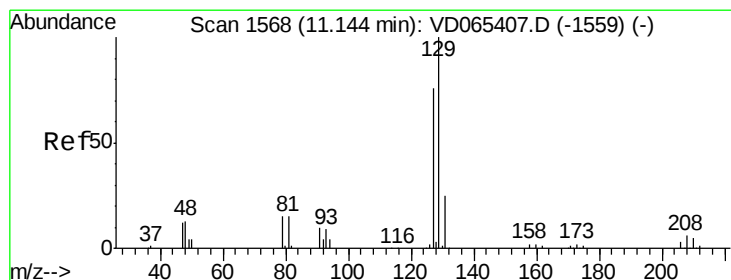
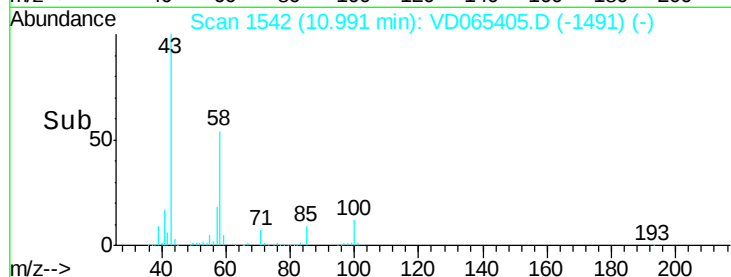
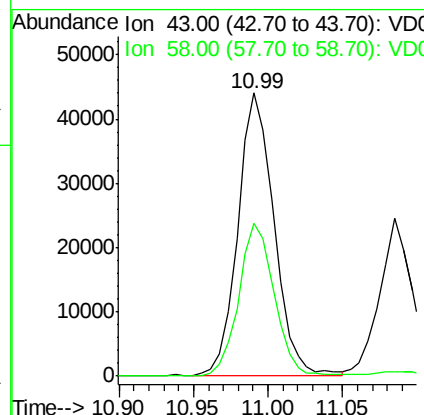
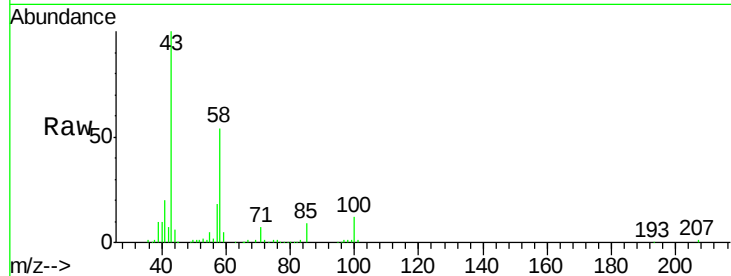




#59
2-Hexanone
Concen: 42.16 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

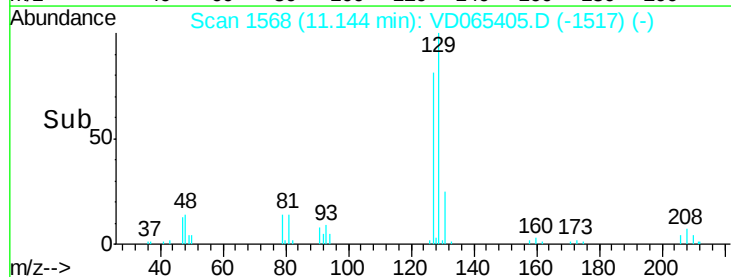
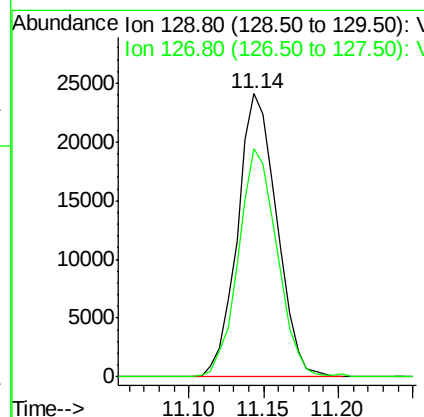
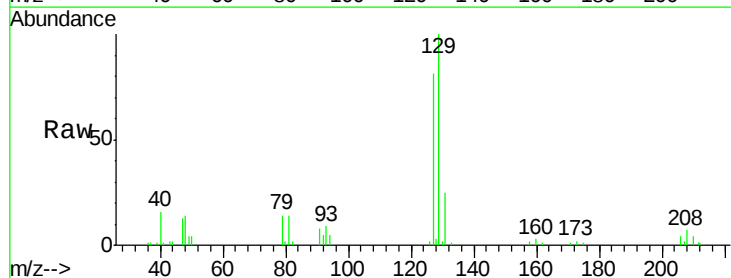
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

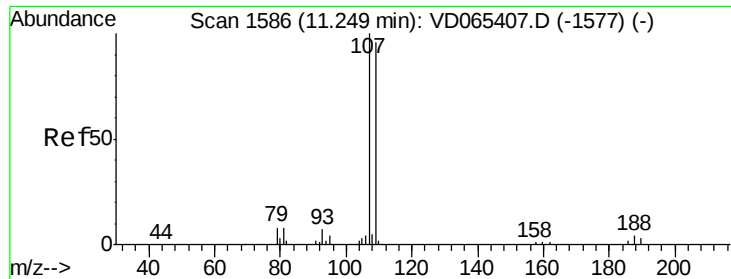
Tgt Ion: 43 Resp: 74579
Ion Ratio Lower Upper
43 100
58 53.3 27.4 82.2



#60
Dibromochloromethane
Concen: 9.69 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion: 129 Resp: 43985
Ion Ratio Lower Upper
129 100
127 79.9 38.5 115.5

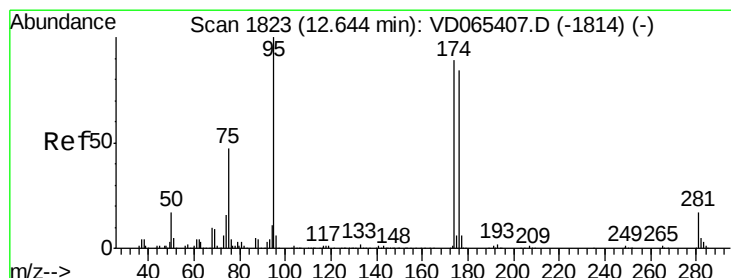
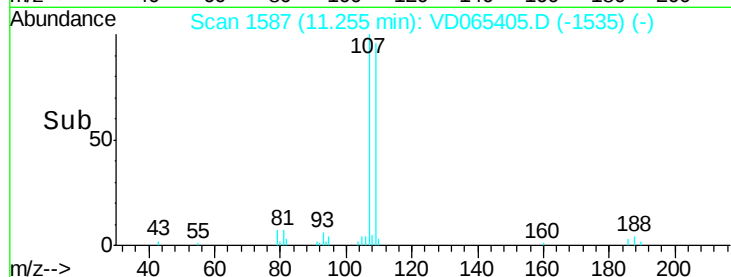
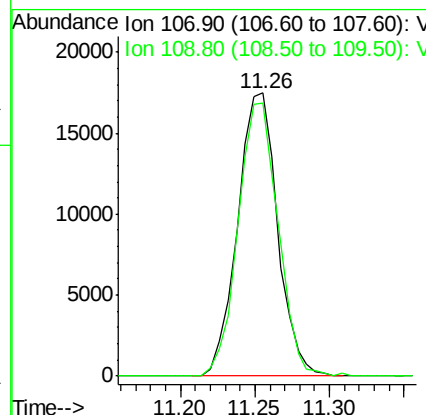
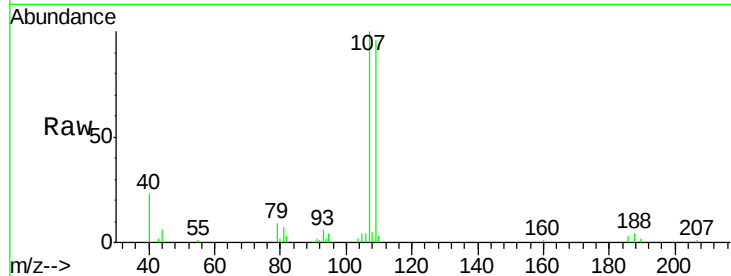




#61
 1,2-Dibromoethane
 Concen: 9.61 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

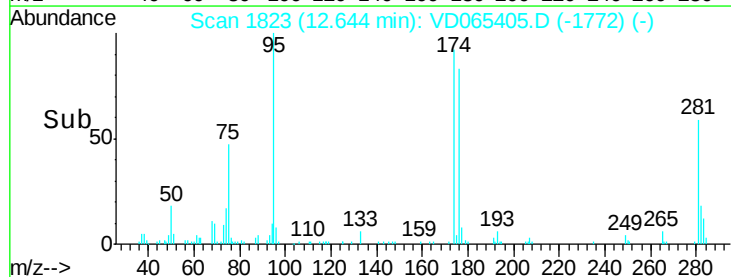
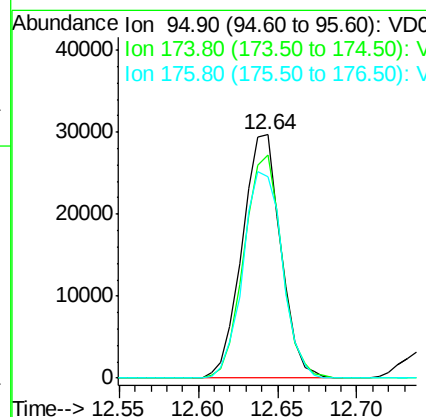
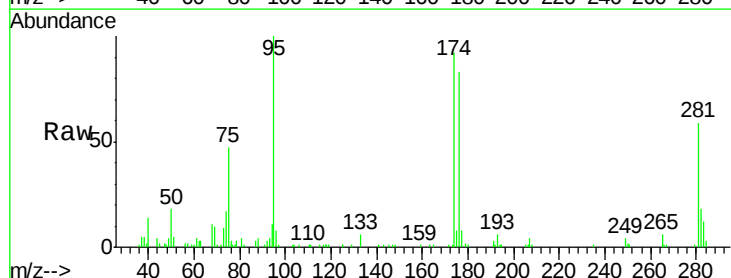
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 107 Resp: 32366
 Ion Ratio Lower Upper
 107 100
 109 97.2 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 9.23 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion: 95 Resp: 50299
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 176.8
 176 86.3 0.0 171.4

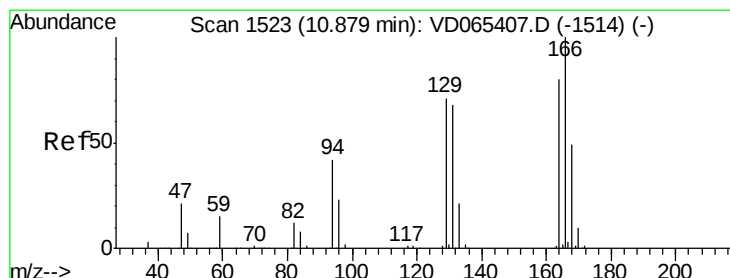
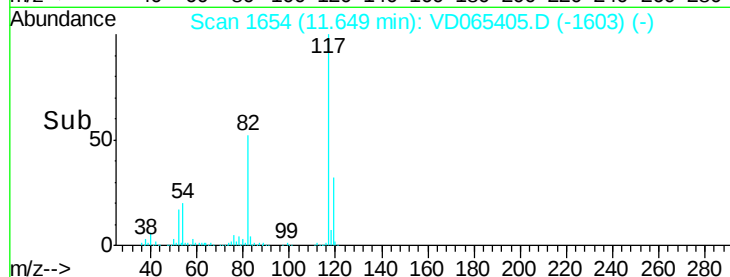
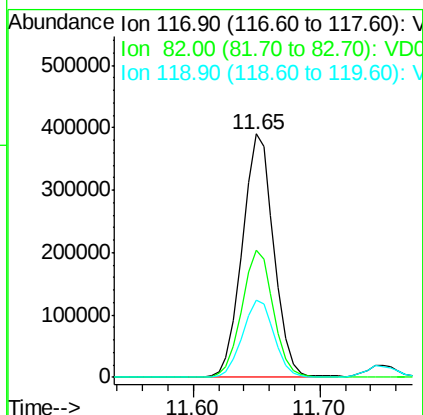
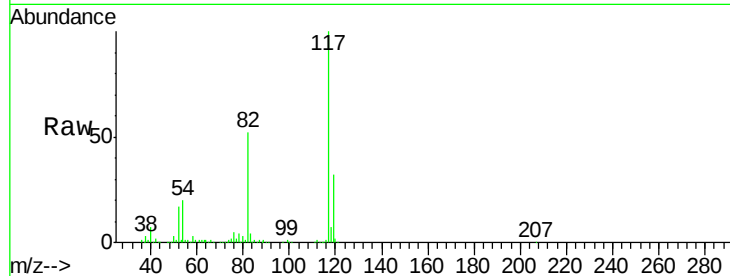




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

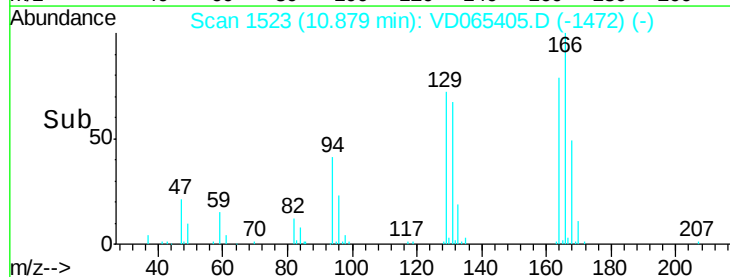
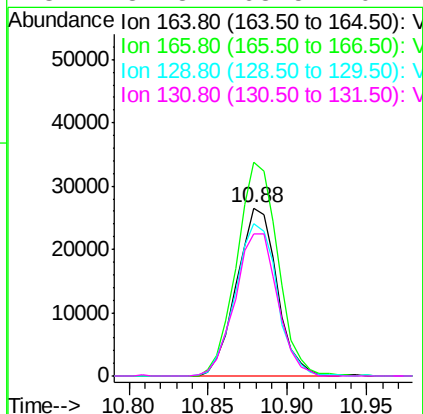
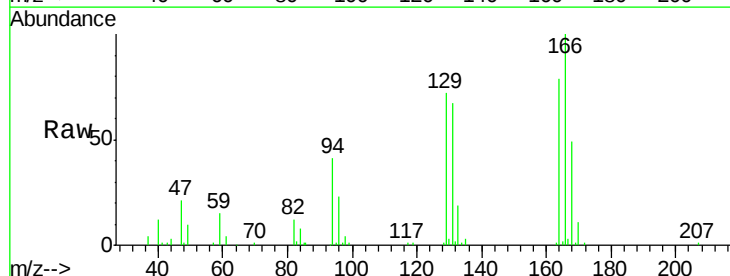
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

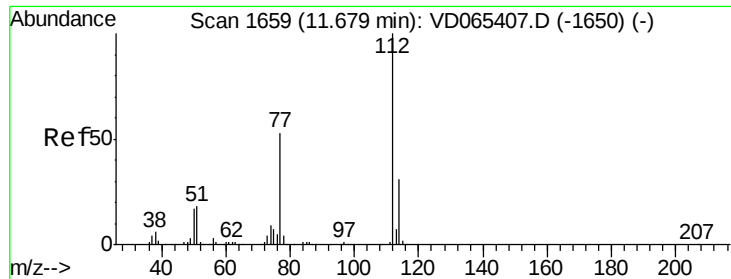
Tgt Ion:117 Resp: 673683
Ion Ratio Lower Upper
117 100
82 52.1 40.6 60.8
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 9.67 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion:164 Resp: 46795
Ion Ratio Lower Upper
164 100
166 126.9 100.5 150.7
129 90.9 71.5 107.3
131 84.8 68.5 102.7

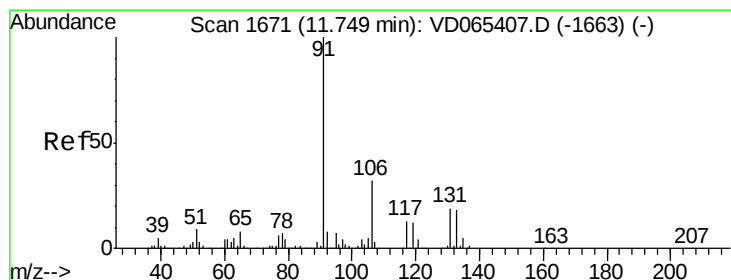
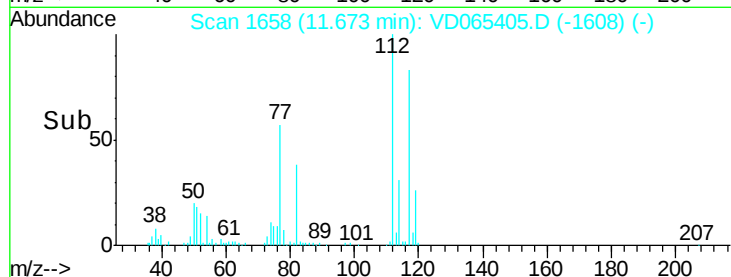
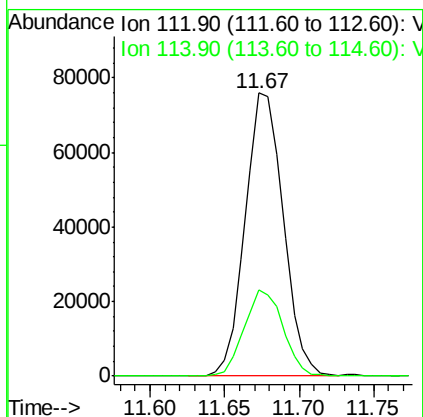
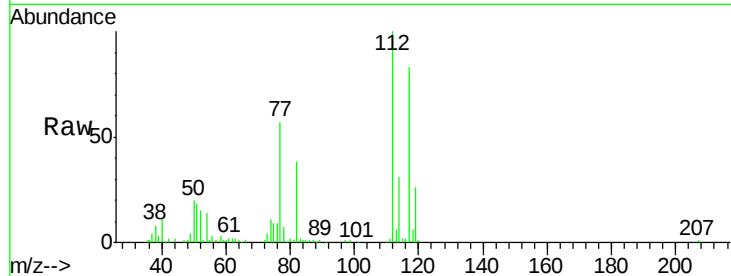




#65
Chlorobenzene
Concen: 10.01 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

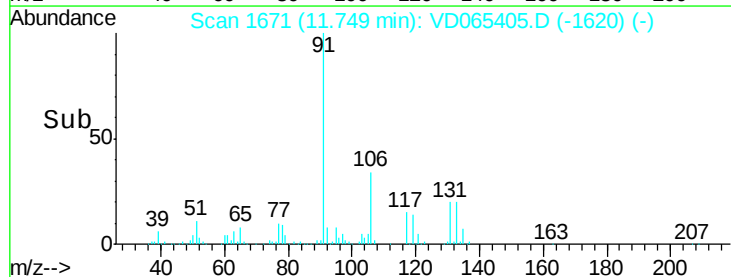
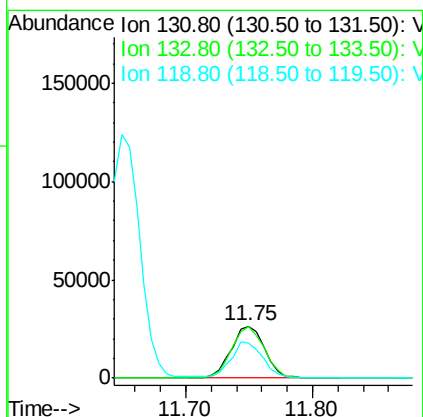
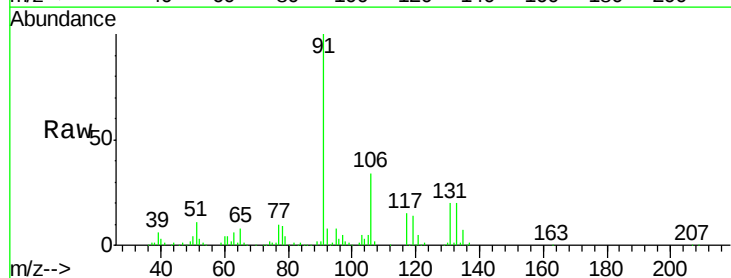
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

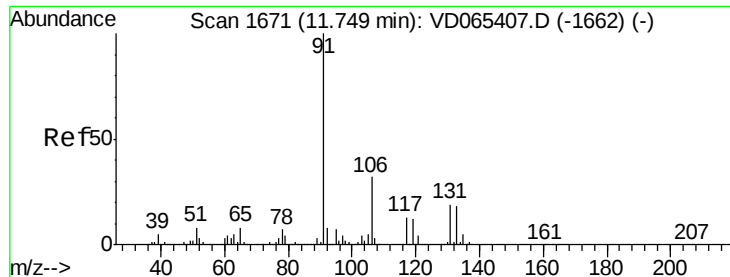
Tgt Ion:112 Resp: 134150
Ion Ratio Lower Upper
112 100
114 30.5 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 9.96 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion:131 Resp: 48735
Ion Ratio Lower Upper
131 100
133 97.2 49.2 147.6
119 65.3 33.3 99.8





#67

Ethyl Benzene

Concen: 9.30 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

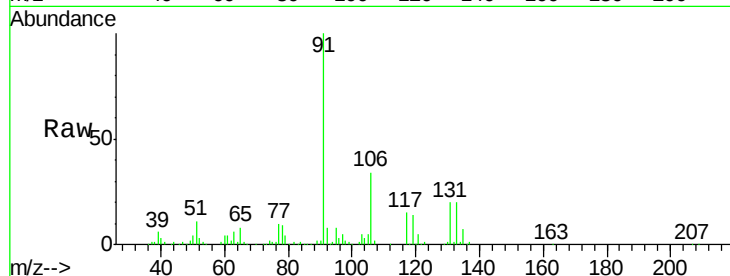
VSTDIC010

Tgt Ion: 91 Resp: 214932

Ion Ratio Lower Upper

91 100

106 33.8 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

200000

150000

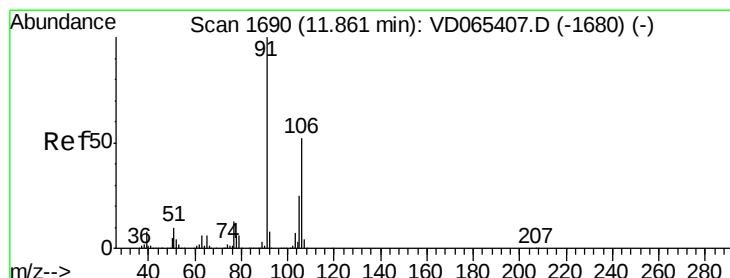
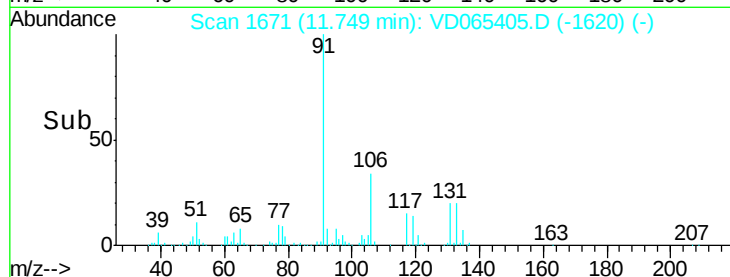
100000

50000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 18.95 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065405.D

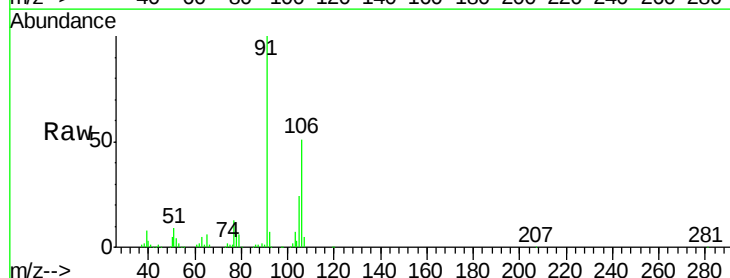
Acq: 04 Mar 2020 11:04

Tgt Ion: 106 Resp: 168804

Ion Ratio Lower Upper

106 100

91 197.6 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

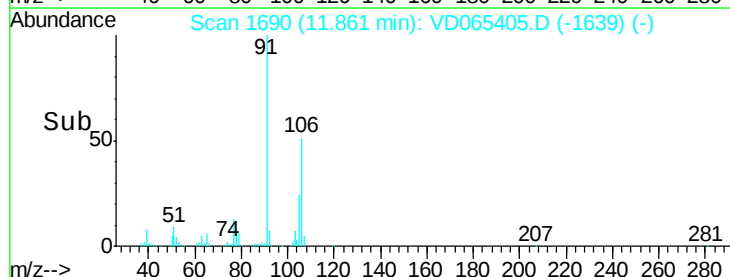
100000

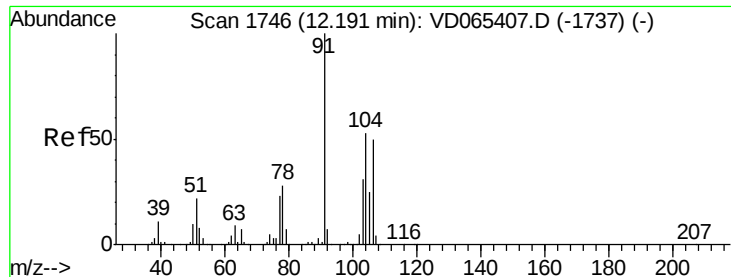
50000

0

11.80 11.86 11.90

Time-->

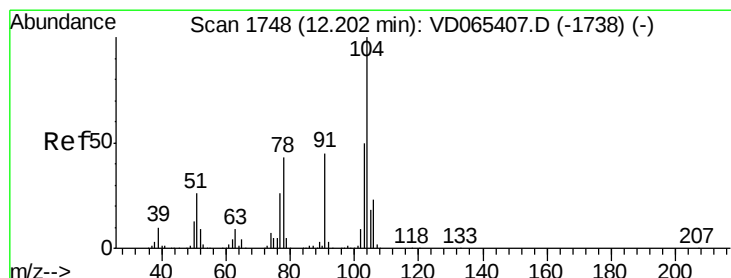
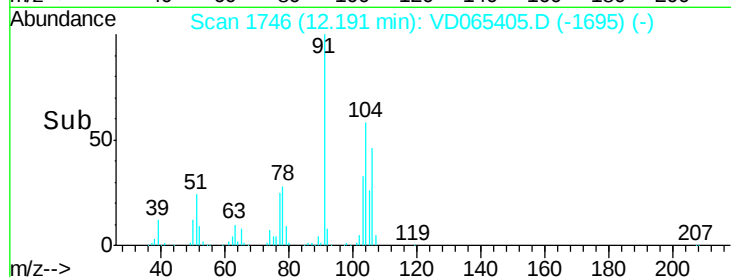
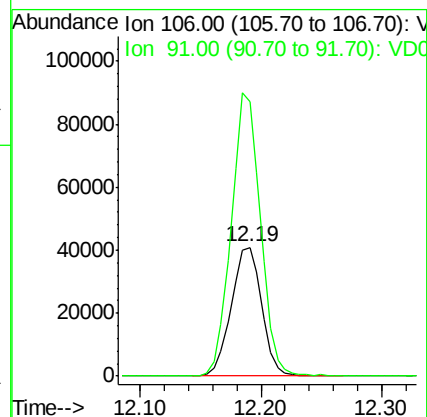
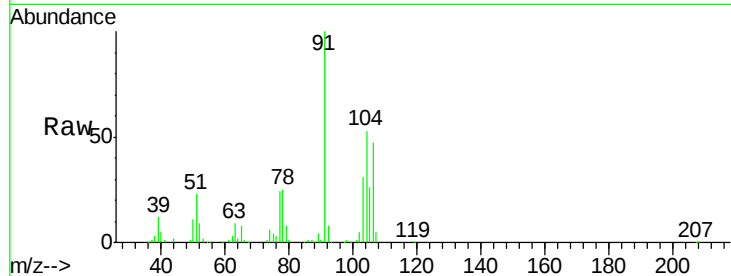




#69
o-Xylene
Concen: 9.18 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

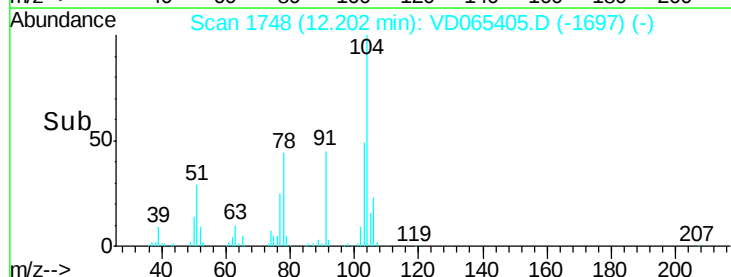
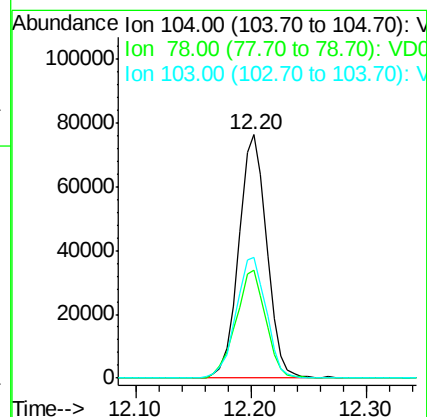
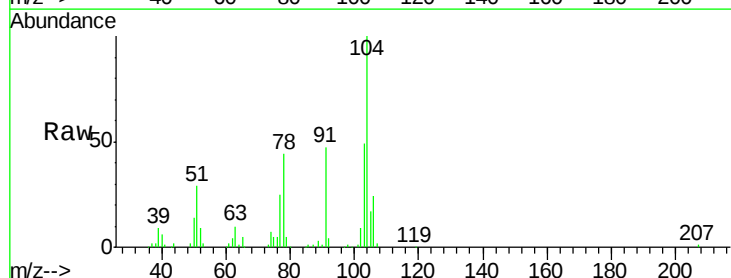
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

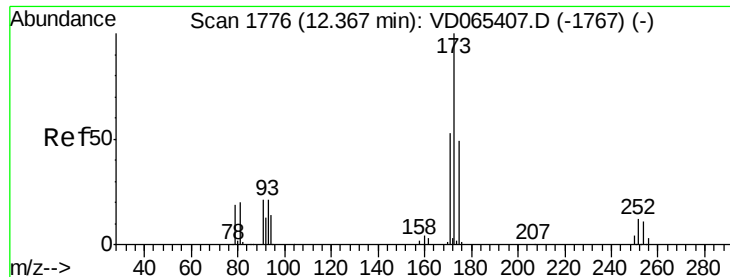
Tgt Ion:106 Resp: 71940
Ion Ratio Lower Upper
106 100
91 210.2 103.5 310.3



#70
Styrene
Concen: 9.25 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion:104 Resp: 127870
Ion Ratio Lower Upper
104 100
78 47.2 37.7 56.5
103 53.6 43.6 65.4





#71

Bromoform

Concen: 9.65 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

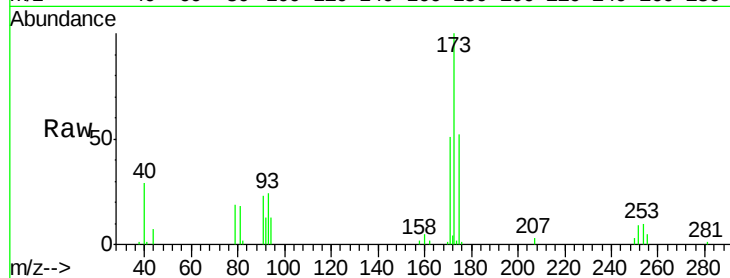
Tgt Ion:173 Resp: 26649

Ion Ratio Lower Upper

173 100

175 48.0 24.3 73.0

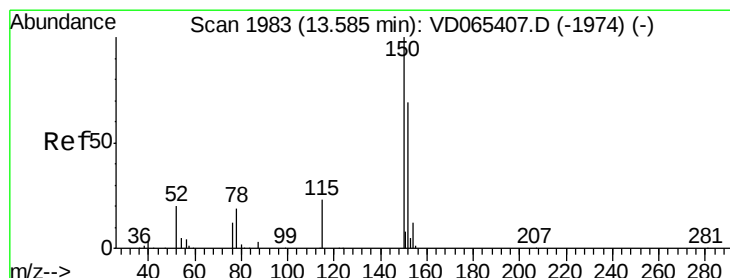
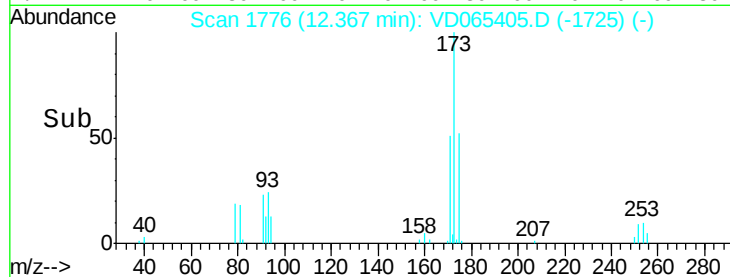
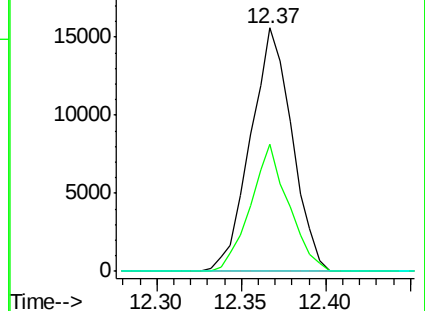
254 0.0 0.1 0.1#



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: VD065405.D

Acq: 04 Mar 2020 11:04

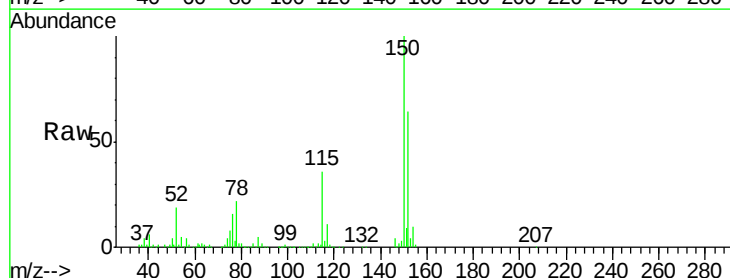
Tgt Ion:152 Resp: 327948

Ion Ratio Lower Upper

152 100

115 55.6 27.6 82.8

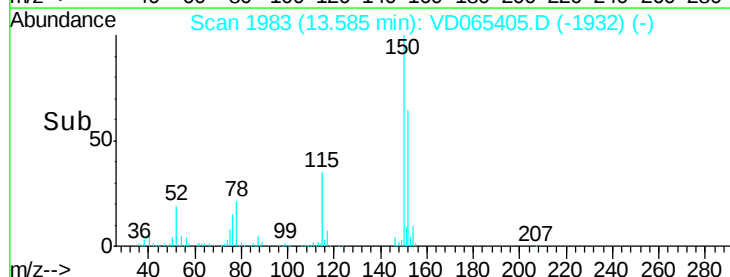
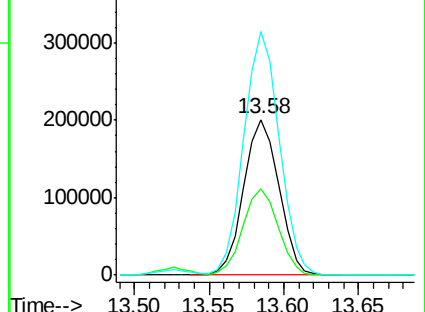
150 158.1 0.0 345.0



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: 8.96 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

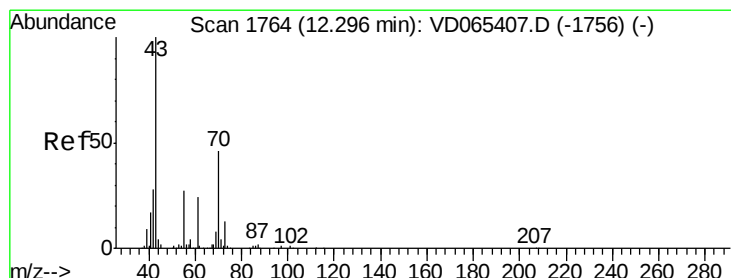
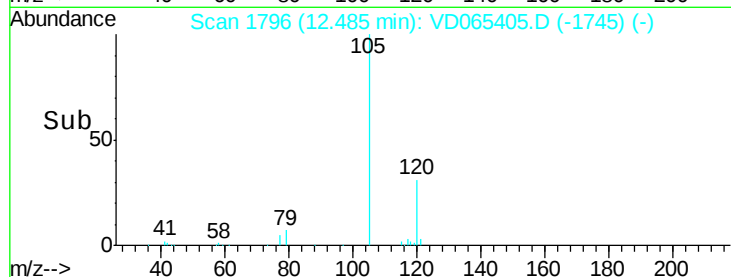
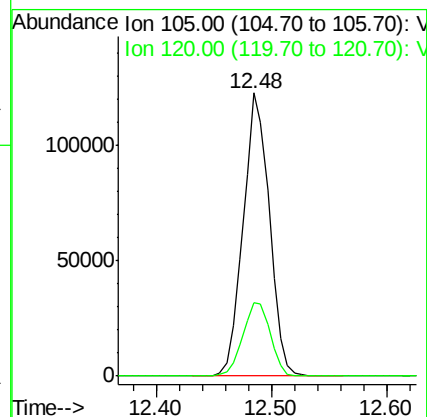
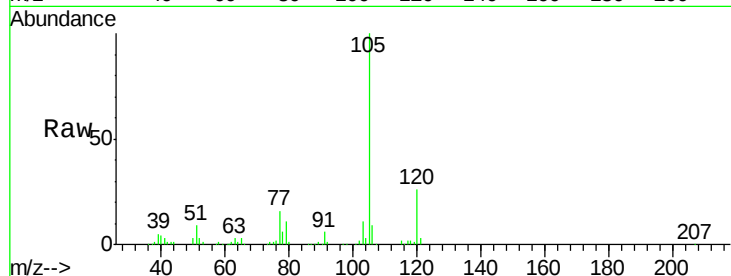
VSTDIC010

Tgt Ion: 105 Resp: 192933

Ion Ratio Lower Upper

105 100

120 27.4 13.5 40.4



#74

N-ethyl acetate

Concen: 8.52 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion: 43 Resp: 37872

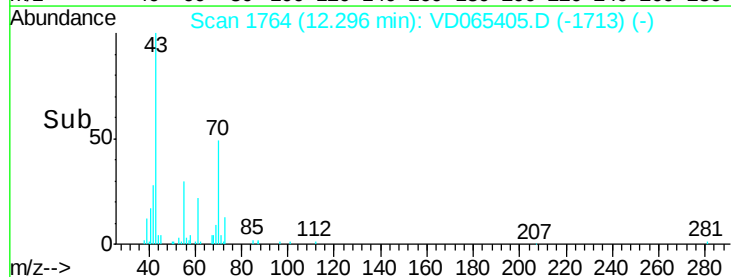
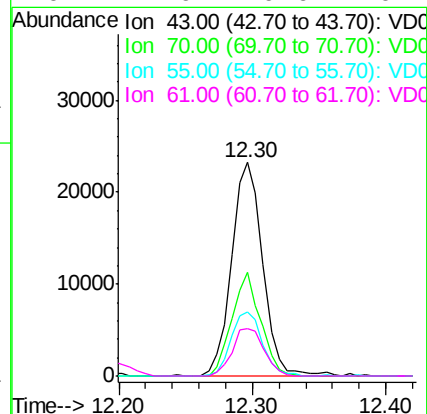
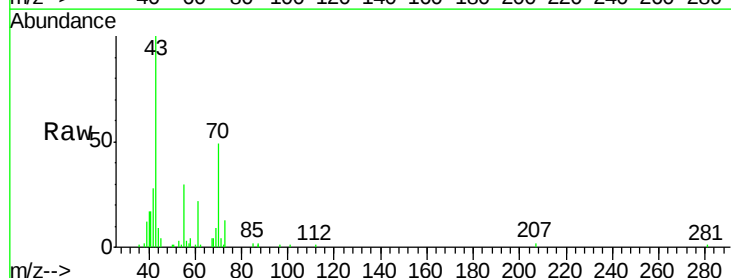
Ion Ratio Lower Upper

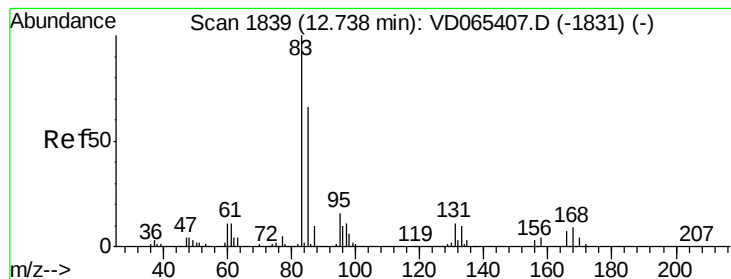
43 100

70 44.5 36.1 54.1

55 30.2 21.6 32.4

61 22.9 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 9.64 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

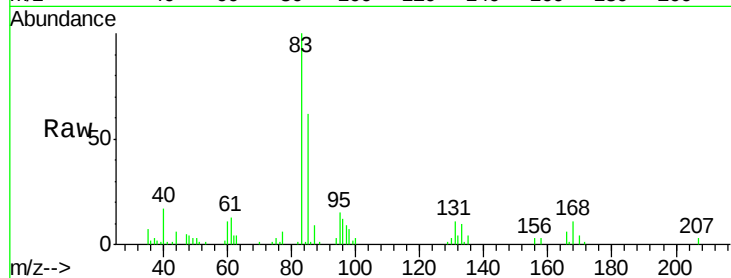
Tgt Ion: 83 Resp: 36831

Ion Ratio Lower Upper

83 100

131 11.6 5.4 16.2

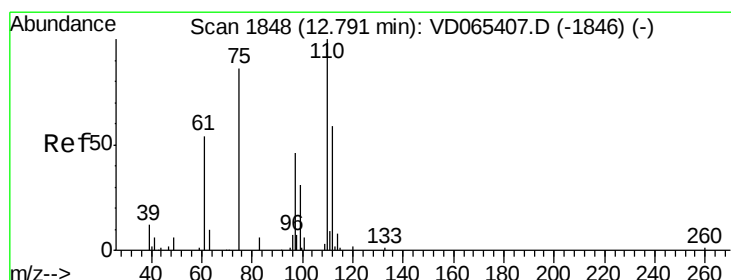
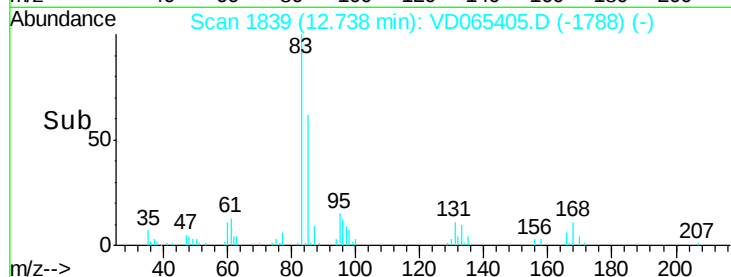
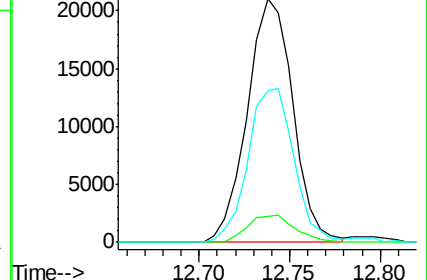
85 63.4 33.0 98.9



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: 10.18 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065405.D

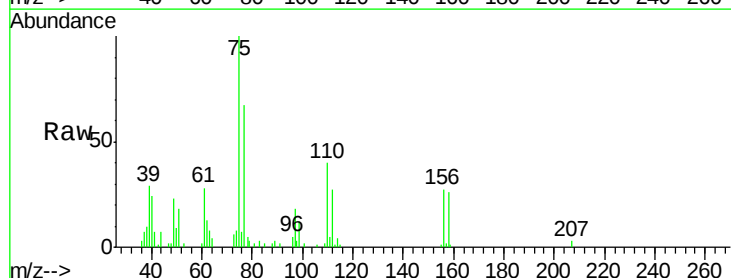
Acq: 04 Mar 2020 11:04

Tgt Ion: 75 Resp: 46126

Ion Ratio Lower Upper

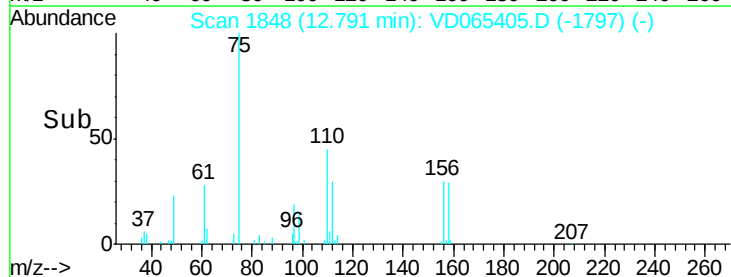
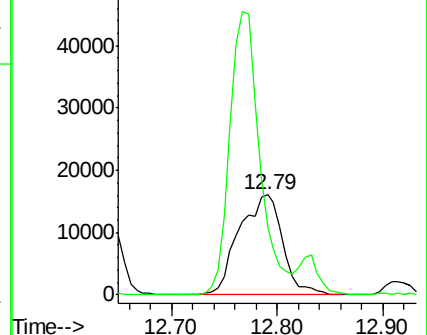
75 100

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: 9.62 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

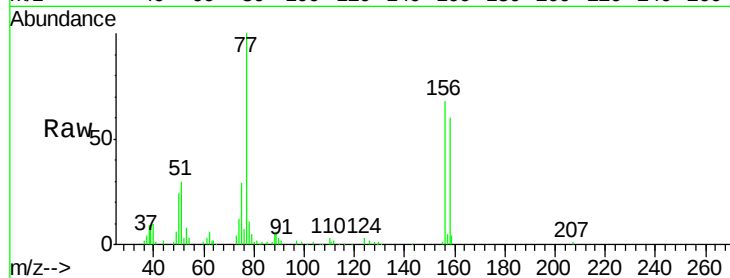
Tgt Ion:156 Resp: 51962

Ion Ratio Lower Upper

156 100

77 172.8 84.9 254.6

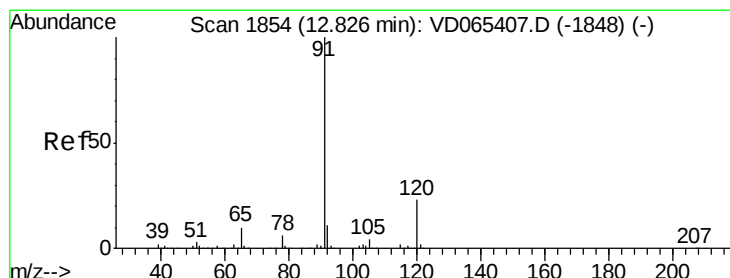
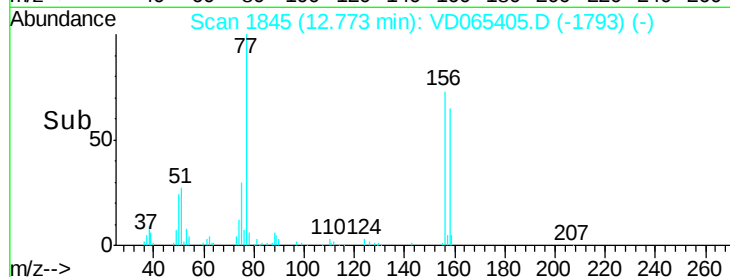
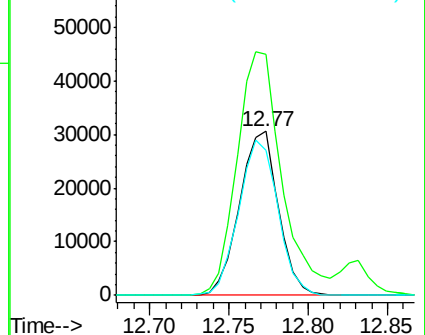
158 95.8 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.28 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065405.D

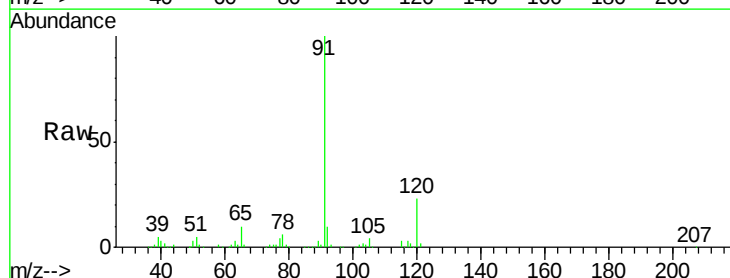
Acq: 04 Mar 2020 11:04

Tgt Ion: 91 Resp: 237872

Ion Ratio Lower Upper

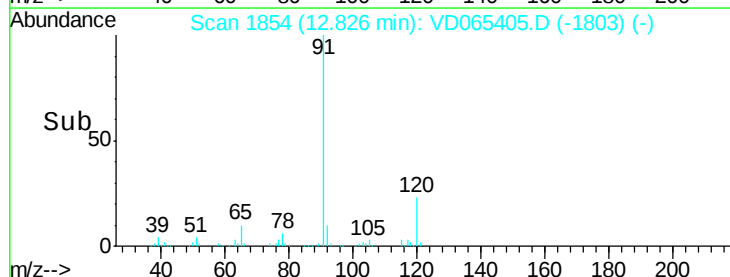
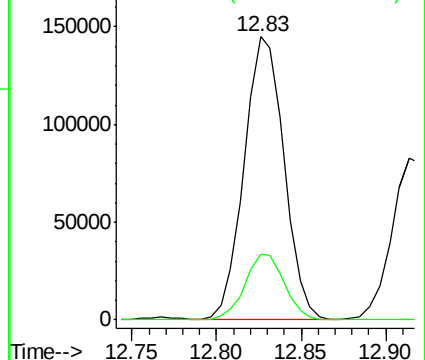
91 100

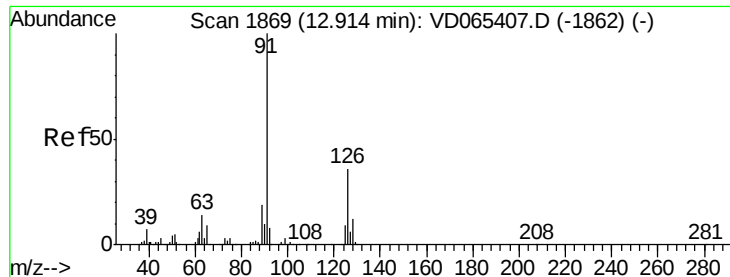
120 23.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.66 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

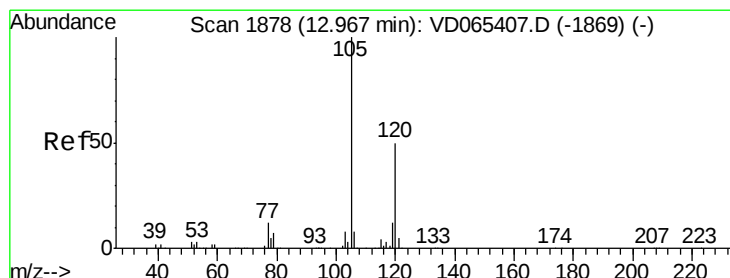
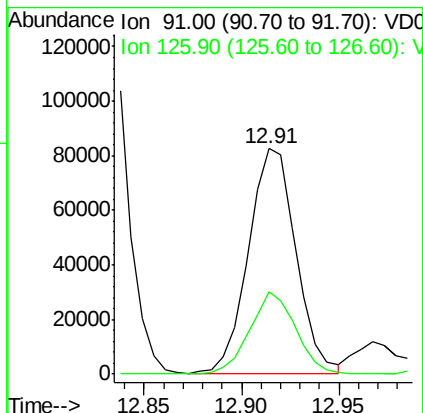
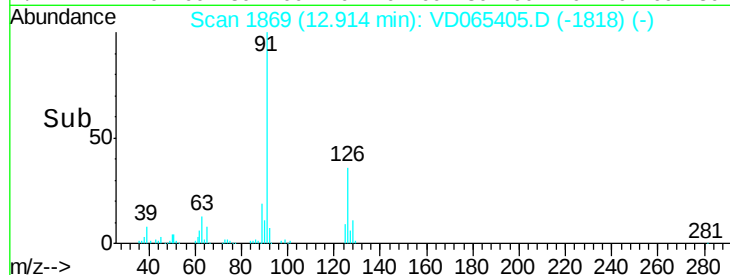
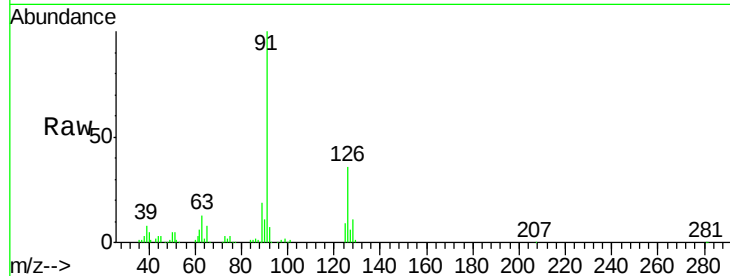
VSTDIC010

Tgt Ion: 91 Resp: 139309

Ion Ratio Lower Upper

91 100

126 35.0 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 9.39 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065405.D

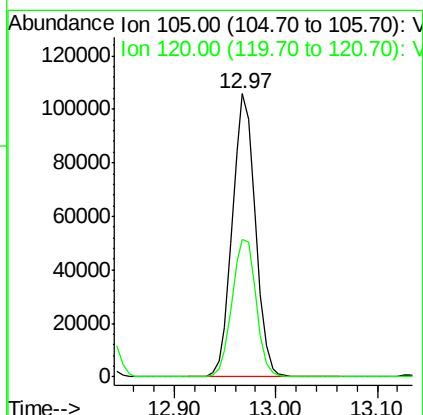
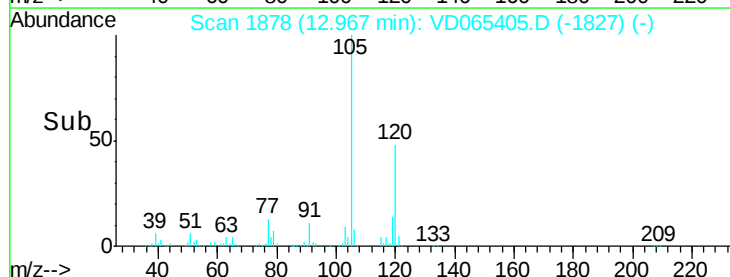
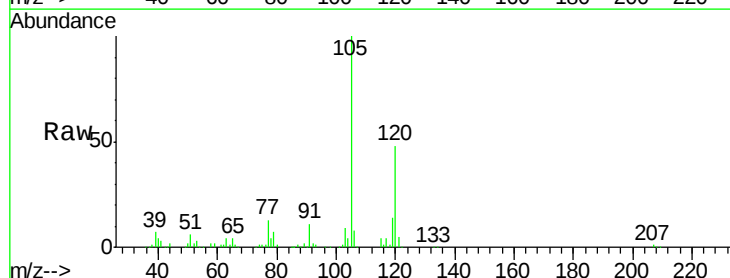
Acq: 04 Mar 2020 11:04

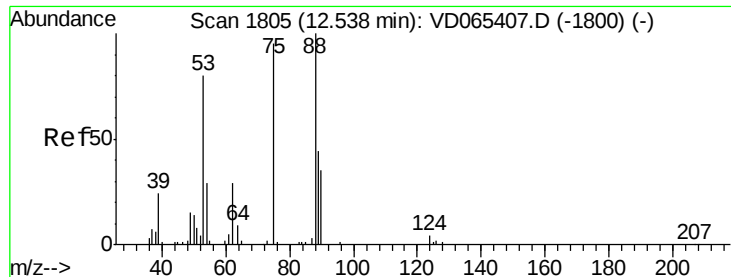
Tgt Ion: 105 Resp: 166534

Ion Ratio Lower Upper

105 100

120 50.6 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 8.86 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

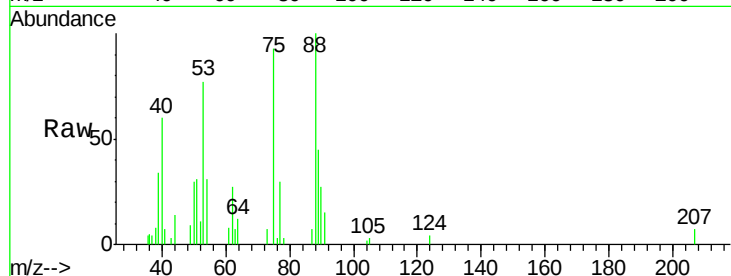
Tgt Ion: 75 Resp: 10892

Ion Ratio Lower Upper

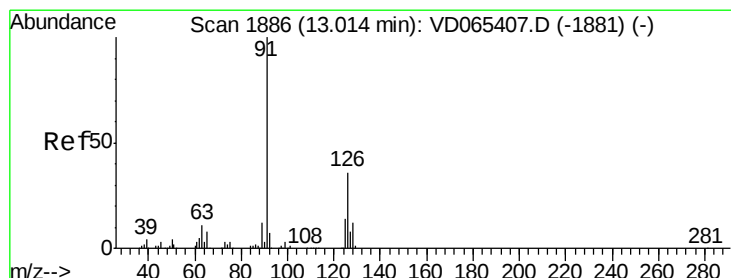
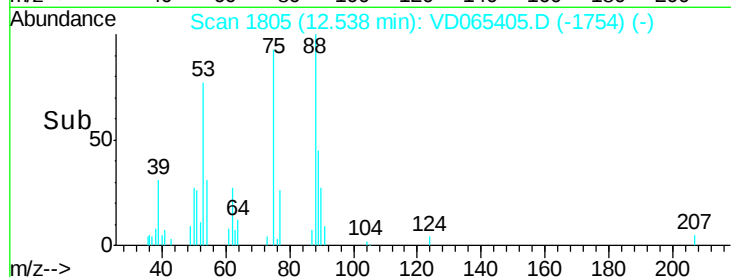
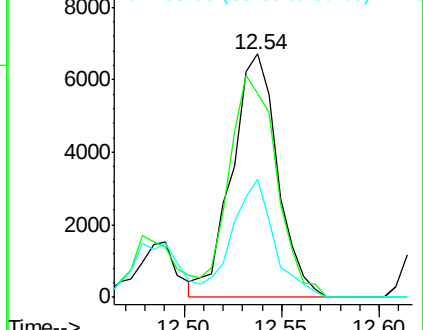
75 100

53 94.7 71.3 106.9

89 44.4 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: 9.58 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065405.D

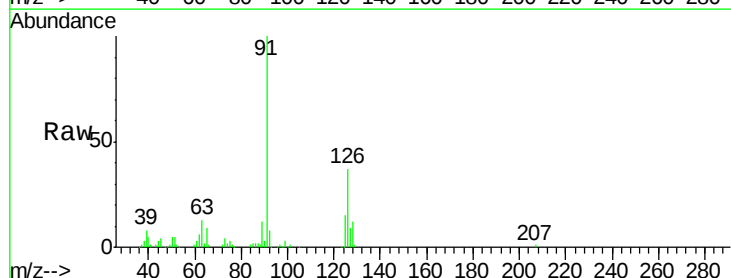
Acq: 04 Mar 2020 11:04

Tgt Ion: 91 Resp: 145712

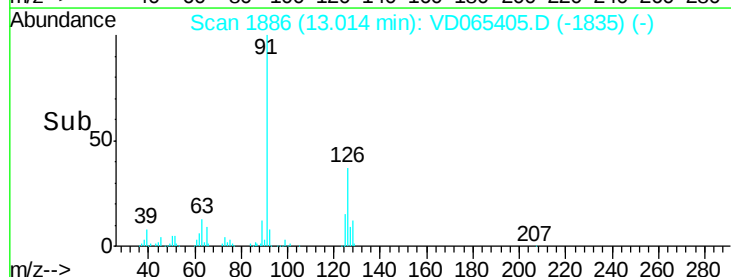
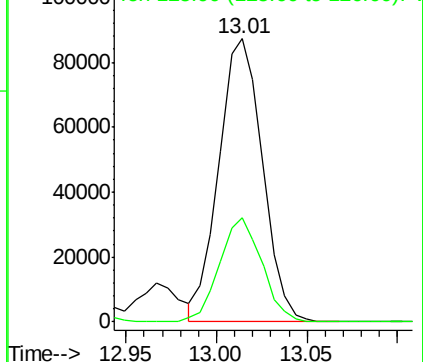
Ion Ratio Lower Upper

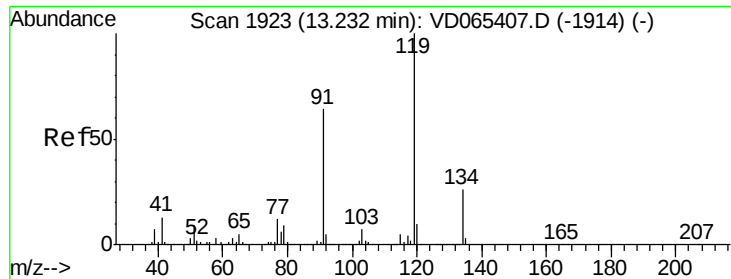
91 100

126 35.8 17.6 52.8



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

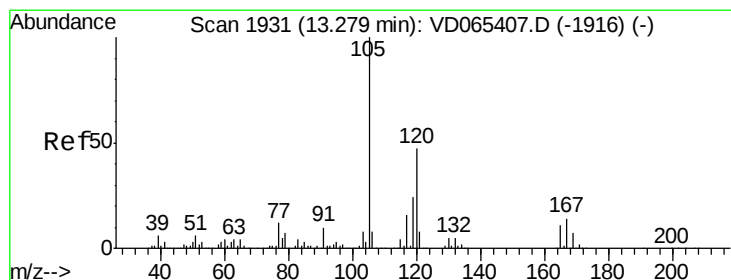
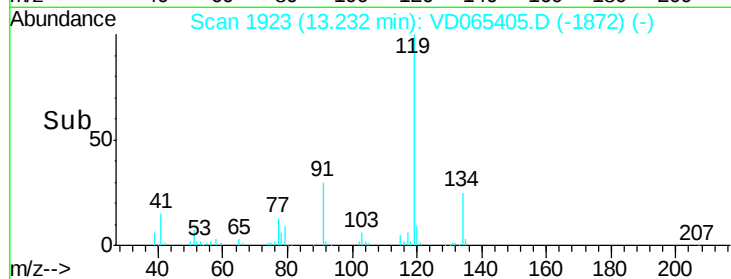
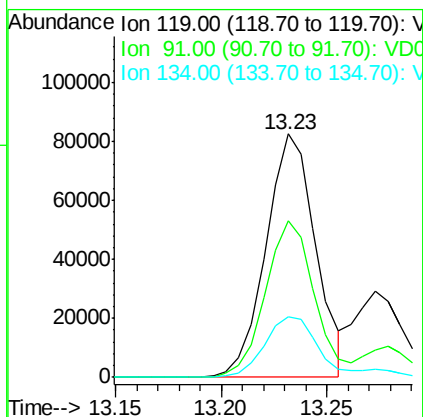
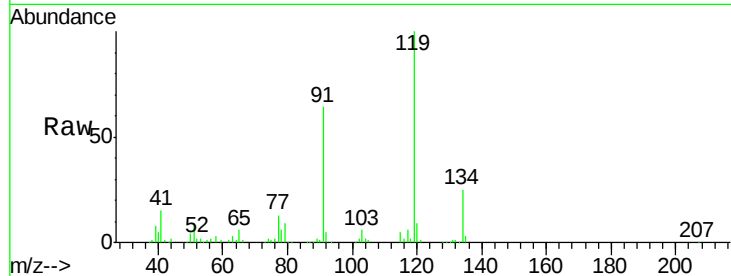




#83
 tert-Butylbenzene
 Concen: 9.01 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

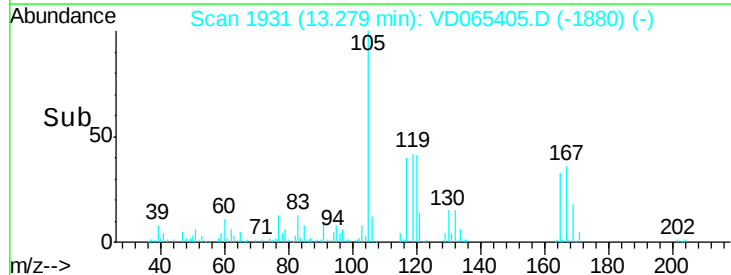
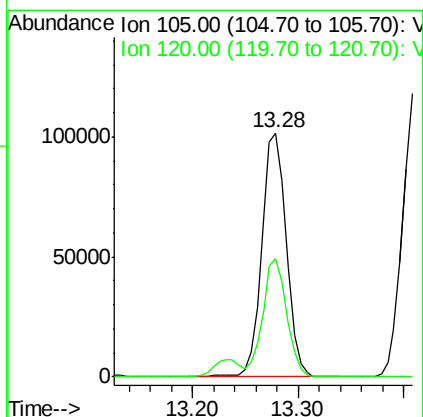
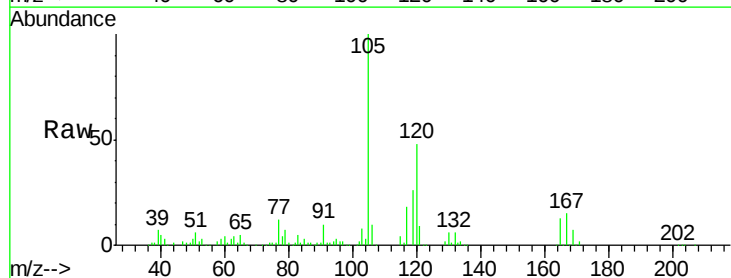
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

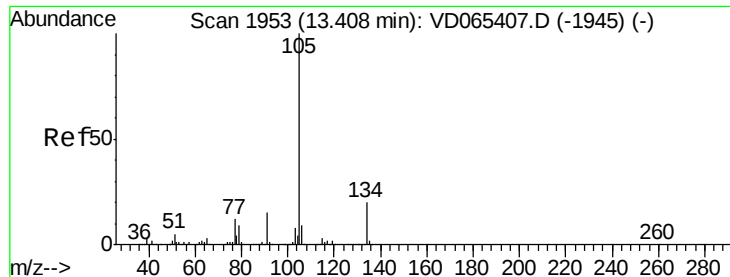
Tgt Ion:119 Resp: 134818
 Ion Ratio Lower Upper
 119 100
 91 63.7 31.6 95.0
 134 28.8 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 9.39 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion:105 Resp: 164317
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 9.24 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

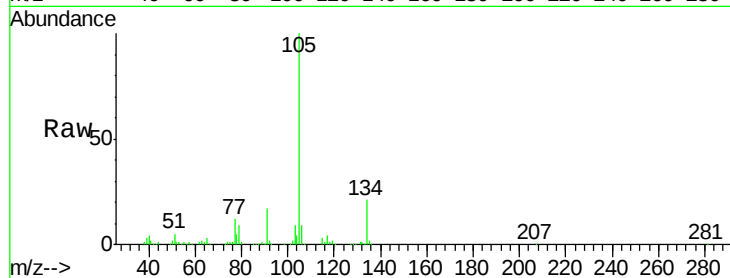
VSTDIC010

Tgt Ion:105 Resp: 197345

Ion Ratio Lower Upper

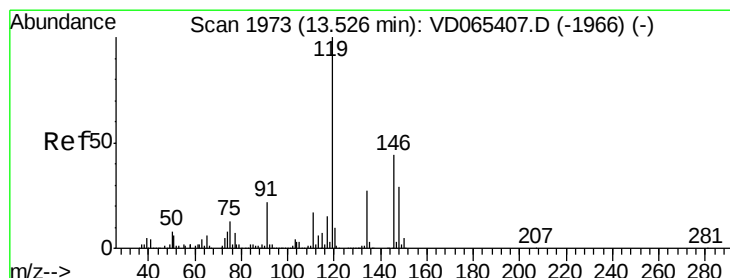
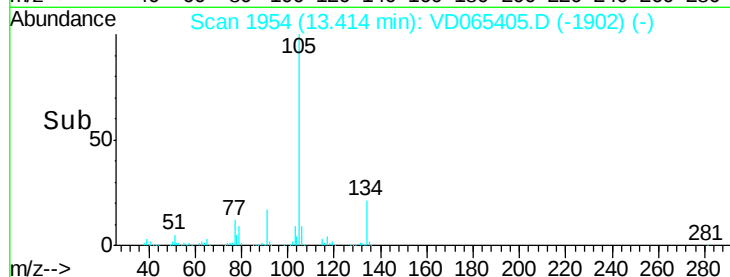
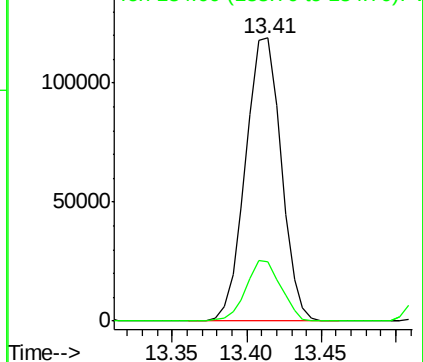
105 100

134 20.9 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: 9.09 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

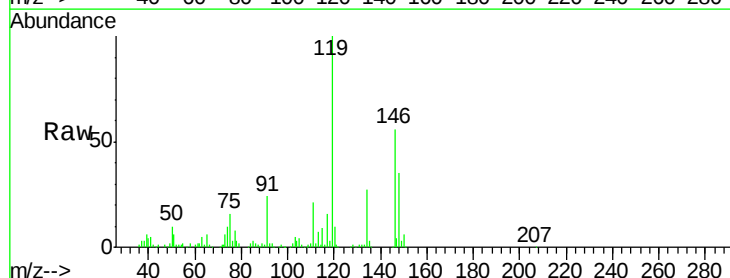
Tgt Ion:119 Resp: 177276

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

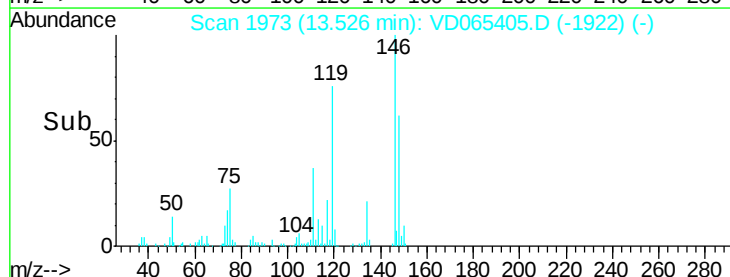
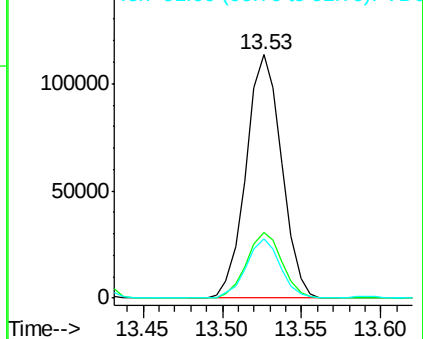
91 23.4 10.9 32.6



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

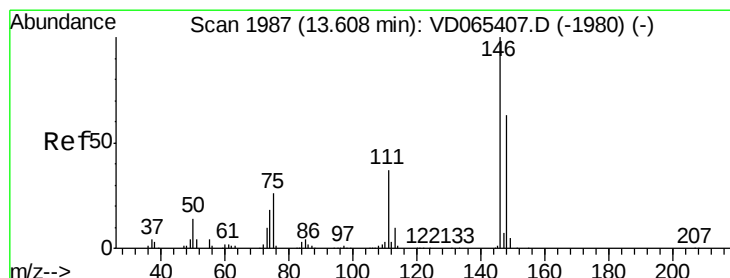
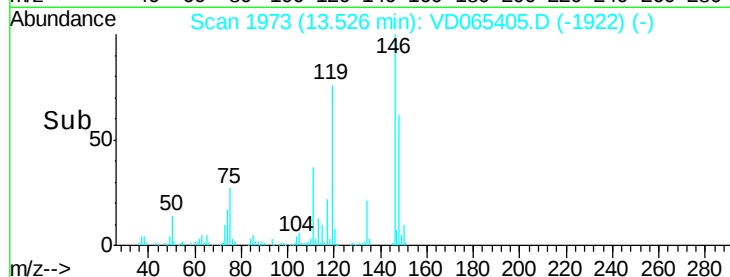
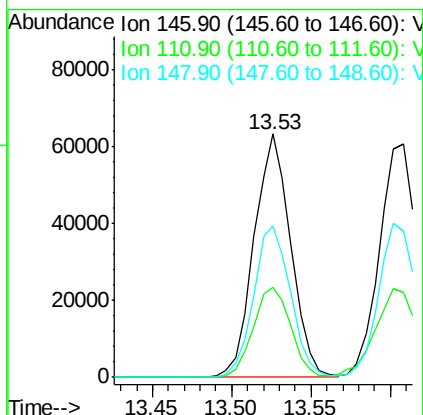
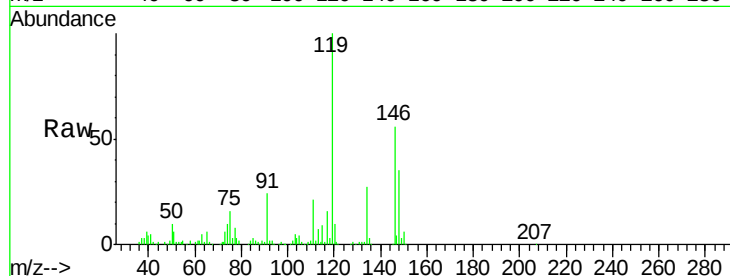




#87
 1,3-Dichlorobenzene
 Concen: 9.84 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

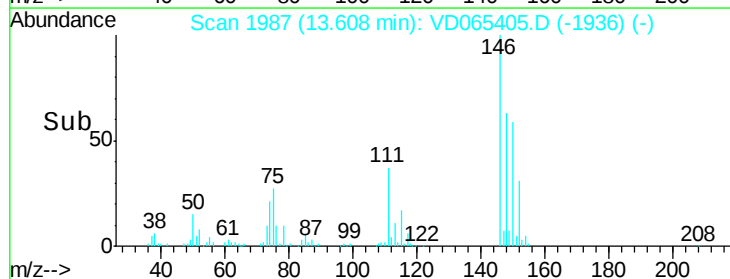
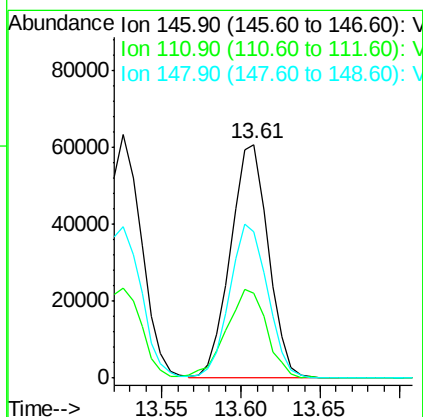
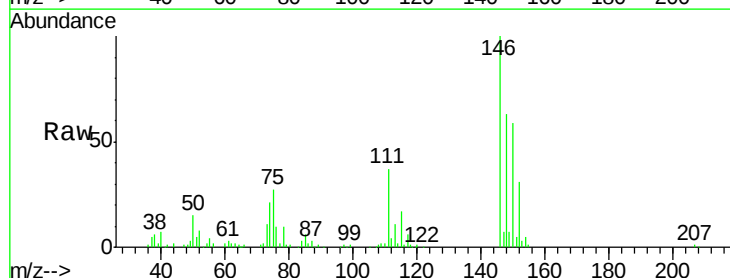
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

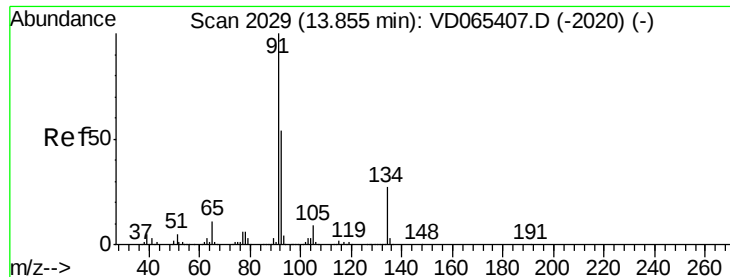
Tgt Ion:146 Resp: 101470
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 62.7 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 9.82 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion:146 Resp: 101019
 Ion Ratio Lower Upper
 146 100
 111 40.8 18.5 55.5
 148 66.1 32.0 96.0





#89

n-Butylbenzene

Concen: 9.03 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

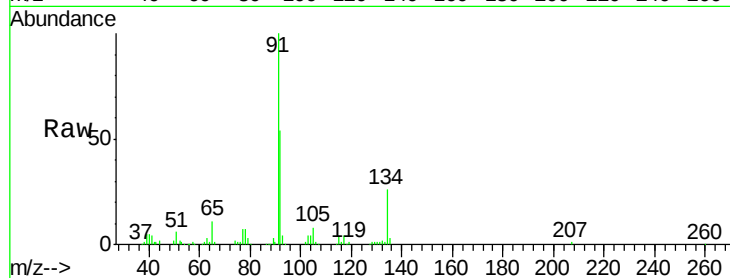
Tgt Ion: 91 Resp: 162468

Ion Ratio Lower Upper

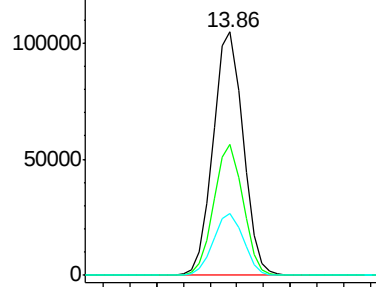
91 100

92 52.2 26.8 80.4

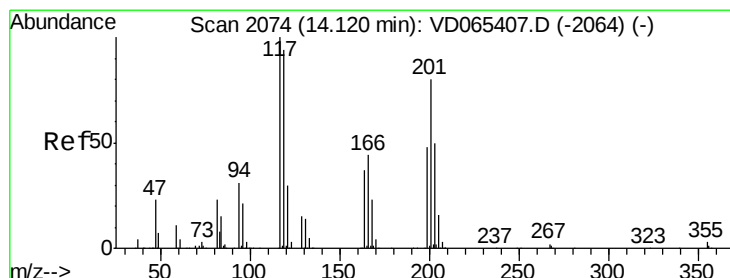
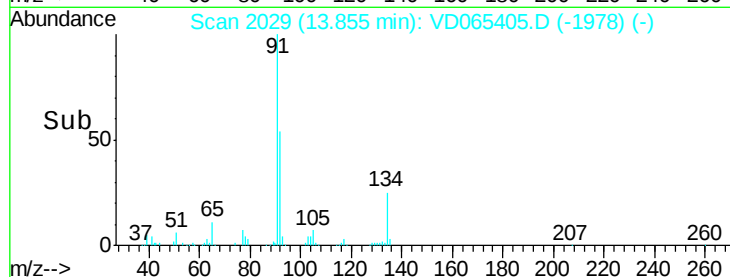
134 25.9 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): VDC



Time-->



#90

Hexachloroethane

Concen: 9.64 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065405.D

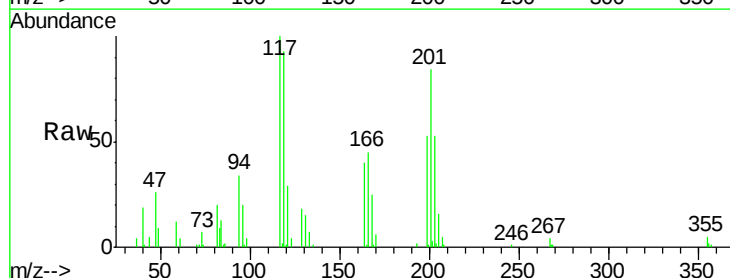
Acq: 04 Mar 2020 11:04

Tgt Ion: 117 Resp: 38844

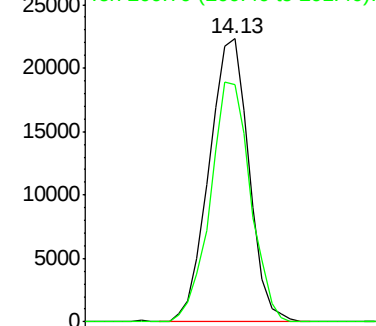
Ion Ratio Lower Upper

117 100

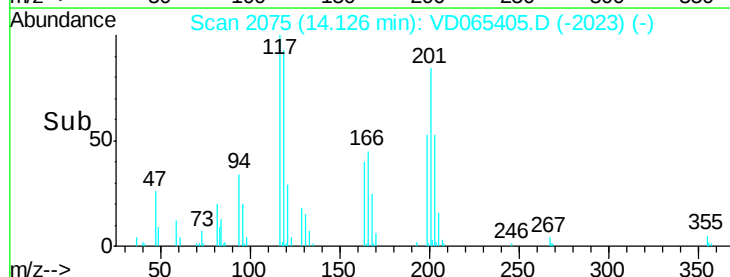
201 85.4 41.9 125.6

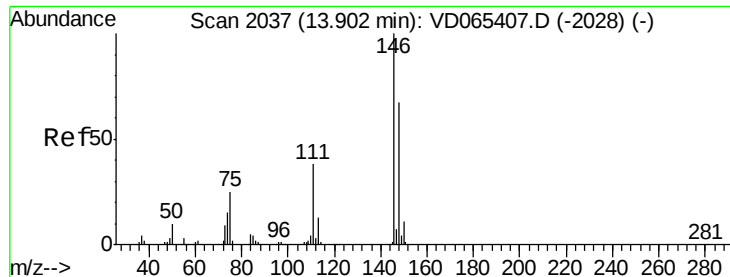


Abundance Ion 116.80 (116.50 to 117.50): VDC
Ion 200.70 (200.40 to 201.40): VDC



Time-->

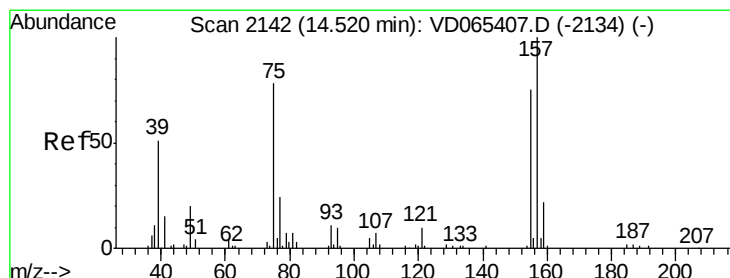
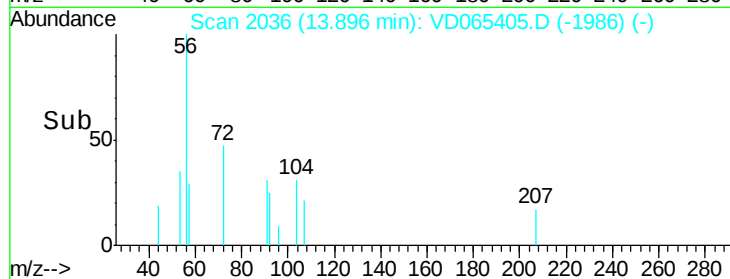
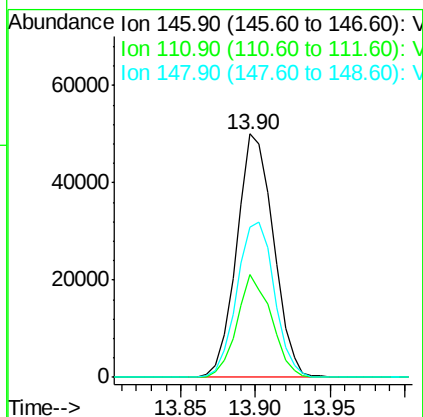
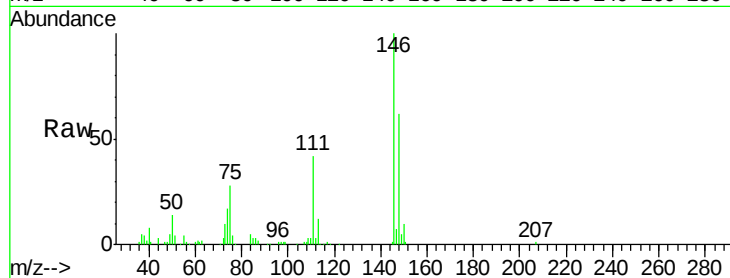




#91
 1,2-Dichlorobenzene
 Concen: 9.71 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

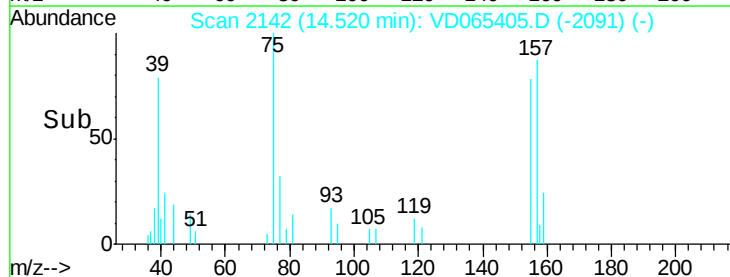
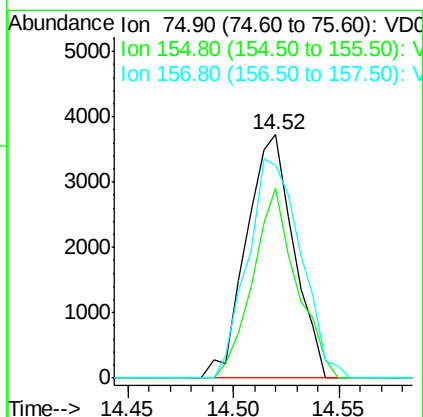
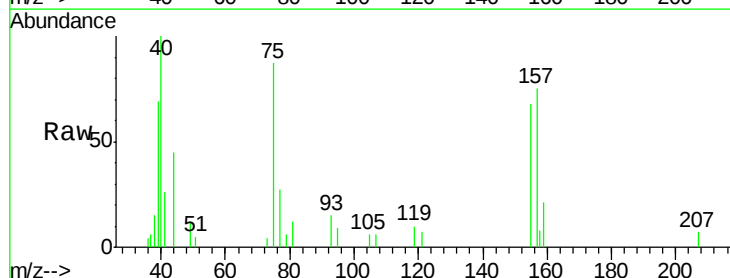
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

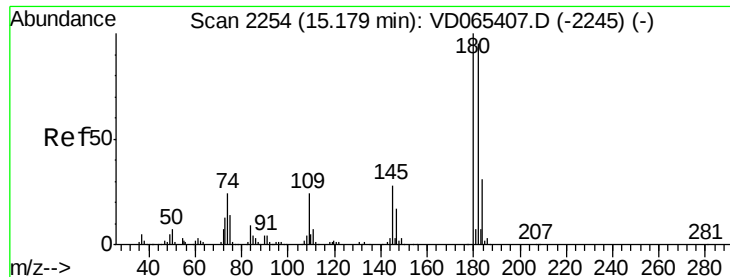
Tgt Ion: 146 Resp: 85816
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.8 59.3
 148 64.8 32.6 97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.88 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion: 75 Resp: 5797
 Ion Ratio Lower Upper
 75 100
 155 72.2 46.4 139.1
 157 101.2 60.2 180.4

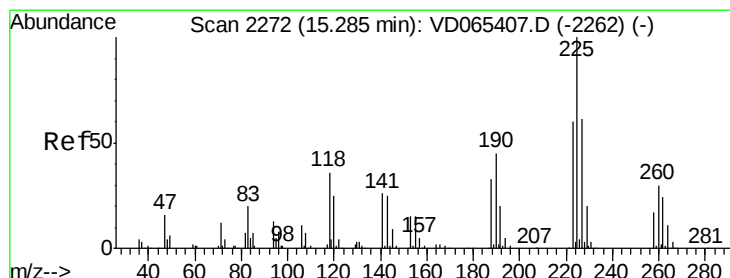
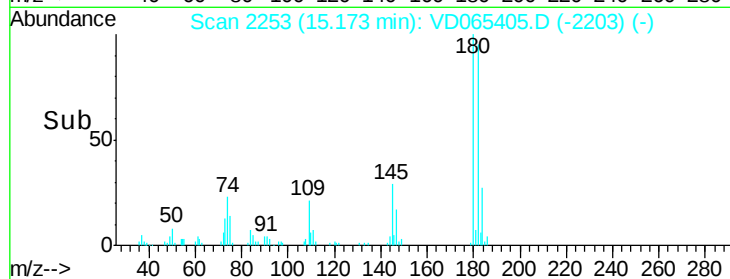
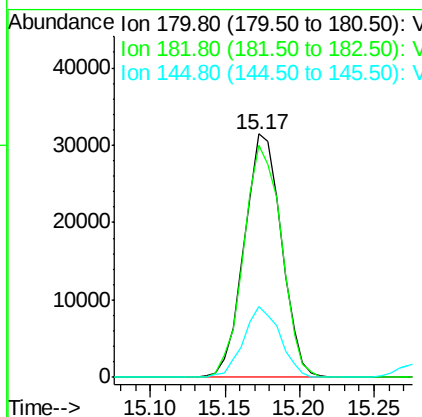
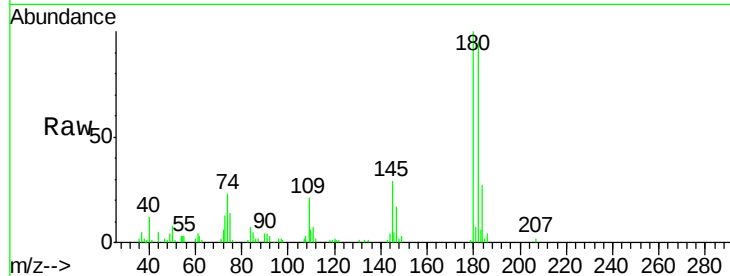




#93
 1,2,4-Trichlorobenzene
 Concen: 9.12 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

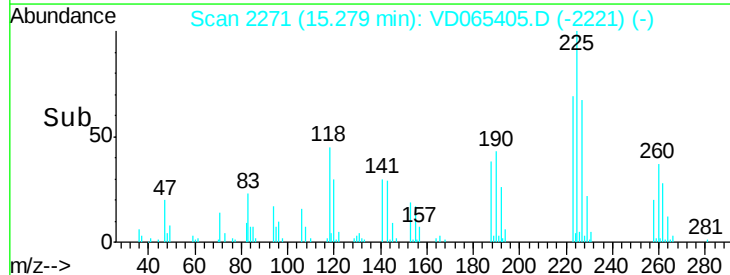
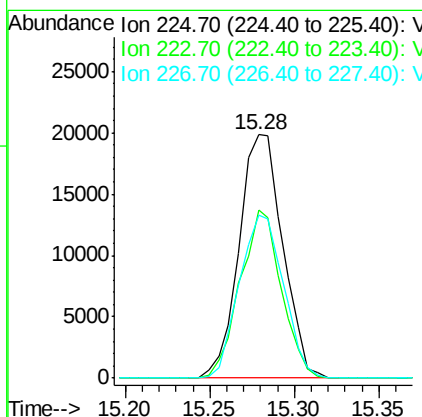
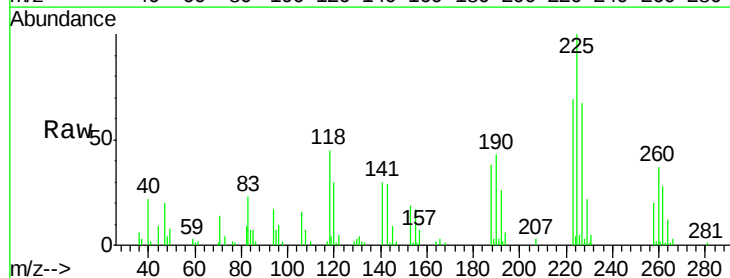
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

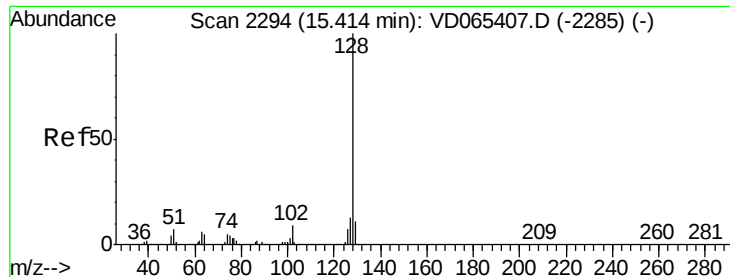
Tgt Ion:180 Resp: 54221
 Ion Ratio Lower Upper
 180 100
 182 96.8 48.3 144.9
 145 28.5 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 9.18 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion:225 Resp: 35708
 Ion Ratio Lower Upper
 225 100
 223 65.3 30.9 92.5
 227 67.6 31.6 94.7

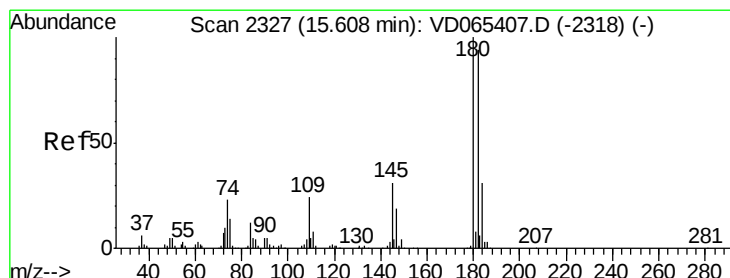
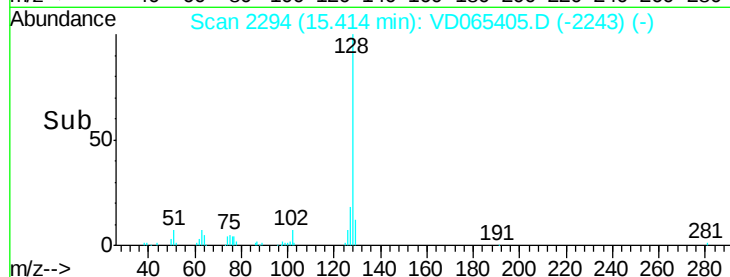
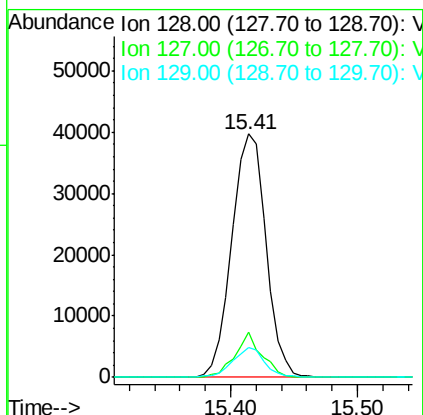
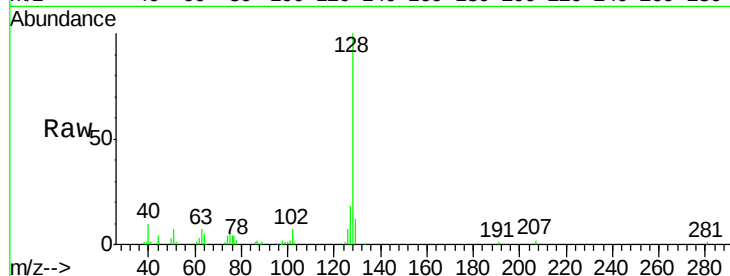




#95
Naphthalene
Concen: 7.75 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 74158
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 11.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 9.16 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion:180 Resp: 47318
Ion Ratio Lower Upper
180 100
182 93.7 46.9 140.6
145 30.1 15.0 45.1

