

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
 Data File : VD065406.D
 Acq On : 04 Mar 2020 11:32
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 04 15:59:06 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	459022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	629251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	79363	20.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.10%	
35) Dibromofluoromethane	7.92	113	82327	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	
50) Toluene-d8	10.34	98	316077	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	
62) 4-Bromofluorobenzene	12.64	95	99304	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90740	22.80	ug/l	99
3) Chloromethane	2.21	50	103356	21.68	ug/l	99
4) Vinyl Chloride	2.35	62	100561	21.33	ug/l	97
5) Bromomethane	2.76	94	63689	21.02	ug/l	99
6) Chloroethane	2.92	64	62131	21.59	ug/l	98
7) Trichlorofluoromethane	3.27	101	147758	21.26	ug/l	98
8) Diethyl Ether	3.70	74	44359	21.37	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	92417	20.66	ug/l	99
10) Methyl Iodide	4.30	142	98124	21.24	ug/l	99
11) Tert butyl alcohol	5.24	59	30164	140.88	ug/l	98
12) 1,1-Dichloroethene	4.06	96	87768	20.50	ug/l	92
13) Acrolein	3.92	56	41788	106.97	ug/l	98
14) Allyl chloride	4.71	41	135731	20.58	ug/l	98
15) Acrylonitrile	5.43	53	96484	105.82	ug/l	99
16) Acetone	4.17	43	83467	103.36	ug/l	99
17) Carbon Disulfide	4.40	76	303669	21.25	ug/l	98
18) Methyl Acetate	4.73	43	43432	21.04	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	177328	21.31	ug/l	94
20) Methylene Chloride	4.97	84	103232	20.62	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	100974	21.14	ug/l	95
22) Diisopropyl ether	6.37	45	273600	22.11	ug/l	99
23) Vinyl Acetate	6.31	43	725543	105.71	ug/l	98
24) 1,1-Dichloroethane	6.27	63	168216	21.40	ug/l	99
25) 2-Butanone	7.23	43	114507	103.65	ug/l	97
26) 2,2-Dichloropropane	7.21	77	139056	20.24	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	104662	21.37	ug/l	99
28) Bromochloromethane	7.55	49	69217	21.70	ug/l	99
29) Tetrahydrofuran	7.57	42	75396	106.23	ug/l	100
30) Chloroform	7.71	83	169512	21.44	ug/l	99
31) Cyclohexane	7.98	56	155641	19.90	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	150679	20.77	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132752	20.53	ug/l	99
37) Ethyl Acetate	7.30	43	54652	21.60	ug/l	98
38) Carbon Tetrachloride	8.10	117	136244	20.42	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153516	19.87	ug/l	92
40) Benzene	8.36	78	385294	21.26	ug/l	99
41) Methacrylonitrile	7.53	41	28794	22.39	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	103657	21.74	ug/l	99
43) Isopropyl Acetate	8.46	43	93717	20.24	ug/l	98
44) Trichloroethene	9.11	130	106323	20.90	ug/l	100
45) 1,2-Dichloropropane	9.39	63	93906	21.33	ug/l	95
46) Dibromomethane	9.48	93	50477	22.06	ug/l	100
47) Bromodichloromethane	9.67	83	128344	21.60	ug/l	92
48) Methyl methacrylate	9.46	41	45303	20.68	ug/l	96
49) 1,4-Dioxane	9.47	88	11481	435.83	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	253359	108.18	ug/l	97
52) Toluene	10.41	92	242043	21.18	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	119719	21.42	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	145024	21.48	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	69952	21.61	ug/l	97
56) Ethyl methacrylate	10.67	69	78032	21.27	ug/l	99
57) 1,3-Dichloropropane	10.95	76	119151	21.69	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	200081	153.38	ug/l	100
59) 2-Hexanone	10.99	43	168415	103.73	ug/l	99
60) Dibromochloromethane	11.14	129	90344	21.68	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67152	21.72	ug/l	99
64) Tetrachloroethene	10.88	164	93192	20.62	ug/l	97
65) Chlorobenzene	11.68	112	260678	20.82	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96160	21.04	ug/l	98
67) Ethyl Benzene	11.75	91	443867	20.57	ug/l	100
68) m/p-Xylenes	11.86	106	348693	41.91	ug/l	98
69) o-Xylene	12.18	106	149990	20.50	ug/l	97
70) Styrene	12.20	104	273192	21.17	ug/l	99
71) Bromoform	12.37	173	54086	20.98	ug/l #	100
73) Isopropylbenzene	12.48	105	407995	19.84	ug/l	100
74) N-amyl acetate	12.30	43	85249	20.07	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	76819	21.06	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	95713	22.13	ug/l #	100
77) Bromobenzene	12.77	156	104564	20.28	ug/l	98
78) n-propylbenzene	12.83	91	500261	20.44	ug/l	99
79) 2-Chlorotoluene	12.91	91	284138	20.64	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	348890	20.61	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23179	19.75	ug/l	97
82) 4-Chlorotoluene	13.01	91	300553	20.70	ug/l	99
83) tert-Butylbenzene	13.23	119	278812	19.50	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	350683	20.98	ug/l	100
85) sec-Butylbenzene	13.41	105	409375	20.06	ug/l	100
86) p-Isopropyltoluene	13.53	119	378142	20.30	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	201214	20.43	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203202	20.68	ug/l	99
89) n-Butylbenzene	13.85	91	346055	20.13	ug/l	99
90) Hexachloroethane	14.12	117	78773	20.48	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	174662	20.69	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11178	19.96	ug/l	98

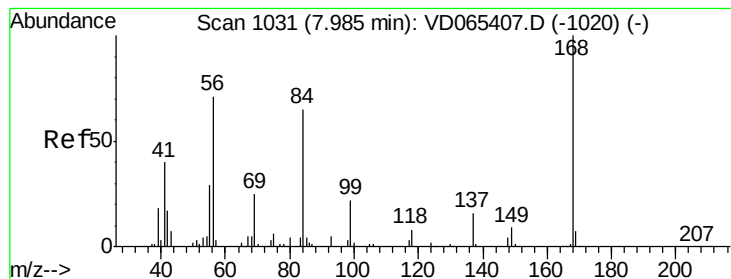
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114069	20.08	ug/l	99
94) Hexachlorobutadiene	15.28	225	72719	19.57	ug/l	99
95) Naphthalene	15.41	128	173698	19.02	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99143	20.10	ug/l	98

(#) = 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: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

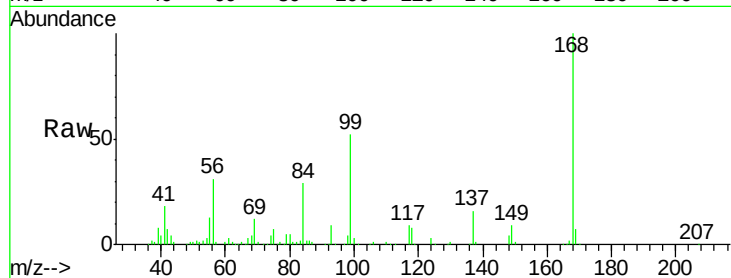
VSTDIC020

Tgt Ion:168 Resp: 459022

Ion Ratio Lower Upper

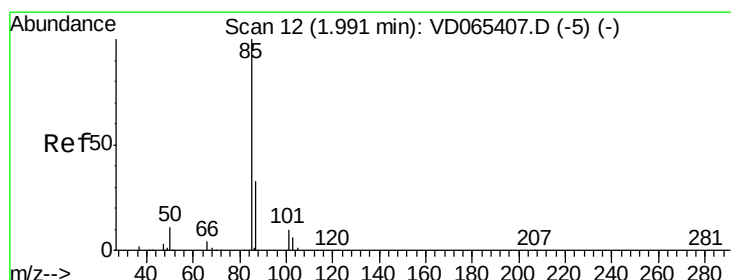
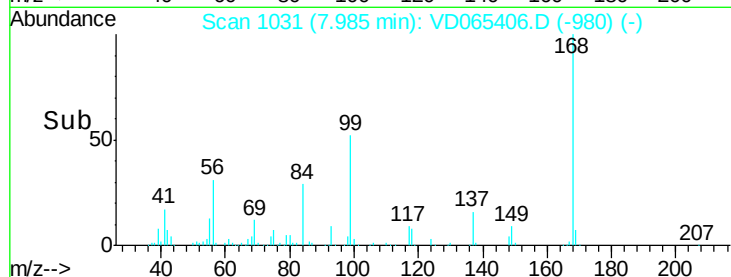
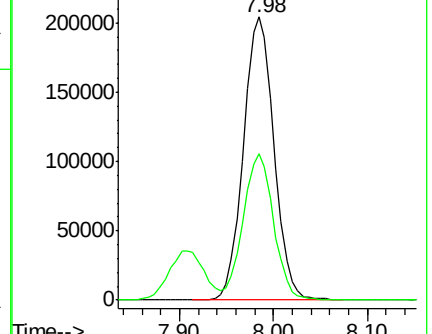
168 100

99 51.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.80 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065406.D

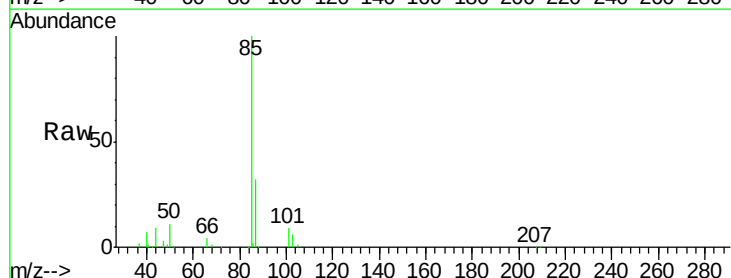
Acq: 04 Mar 2020 11:32

Tgt Ion: 85 Resp: 90740

Ion Ratio Lower Upper

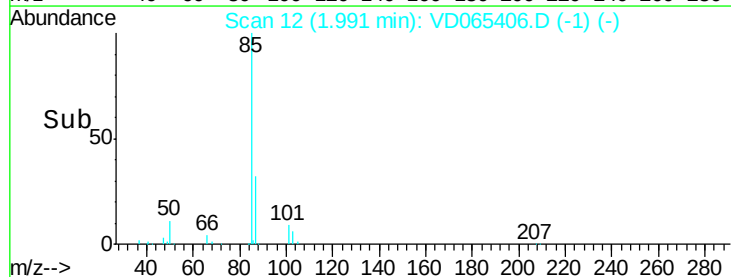
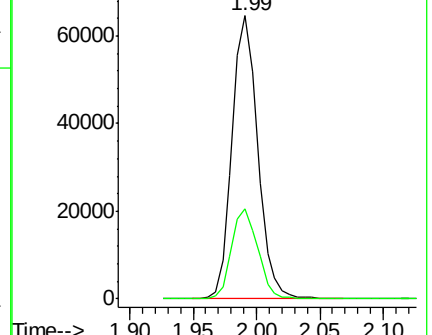
85 100

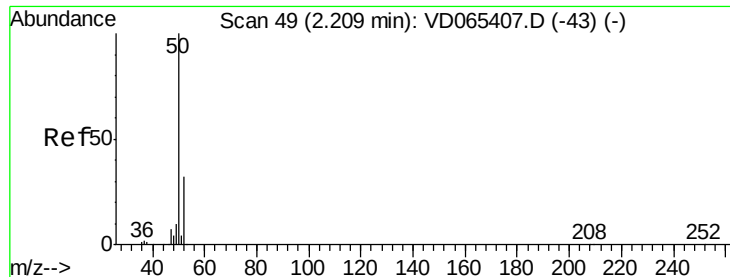
87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.68 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

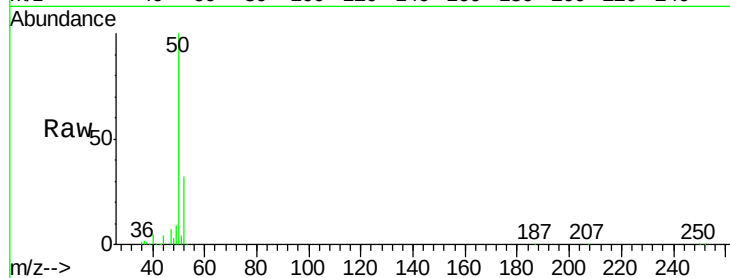
VSTDIC020

Tgt Ion: 50 Resp: 103356

Ion Ratio Lower Upper

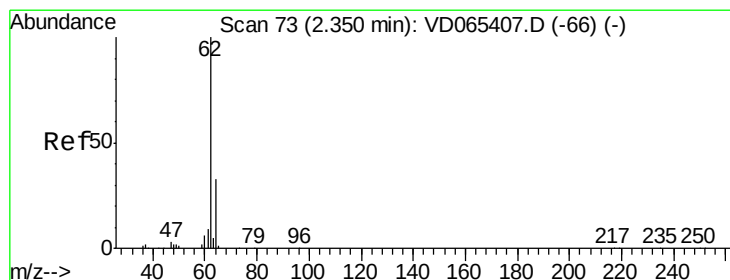
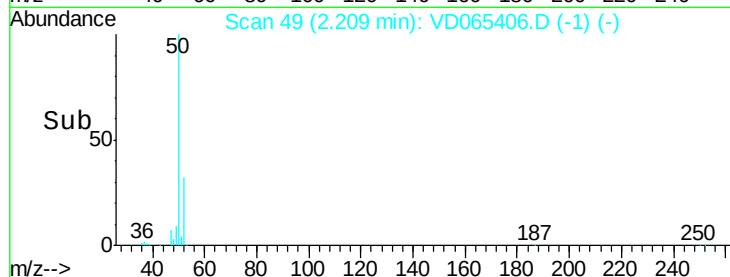
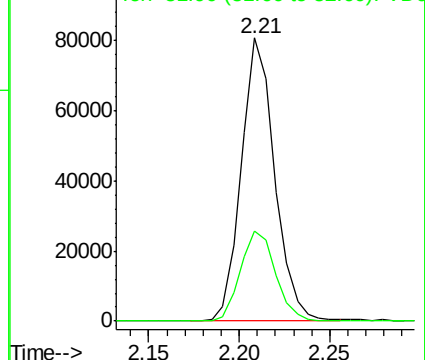
50 100

52 31.7 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: 21.33 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065406.D

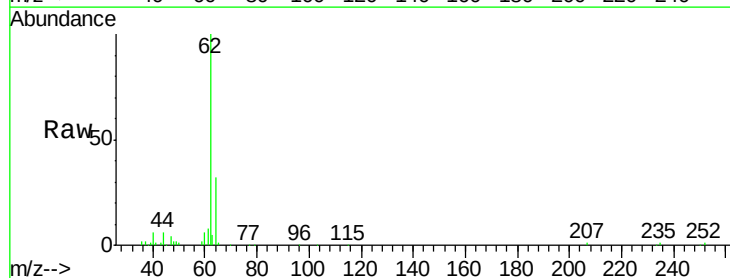
Acq: 04 Mar 2020 11:32

Tgt Ion: 62 Resp: 100561

Ion Ratio Lower Upper

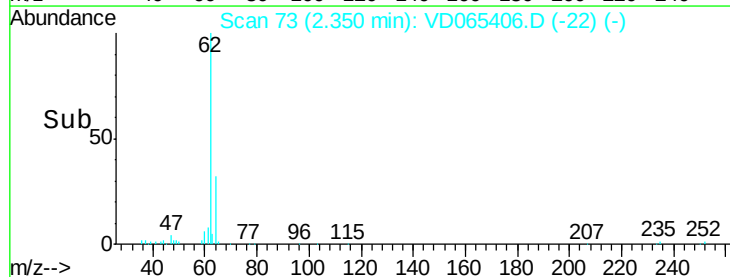
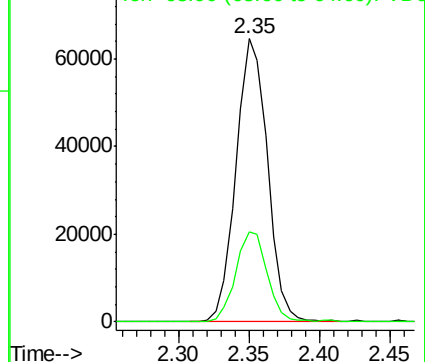
62 100

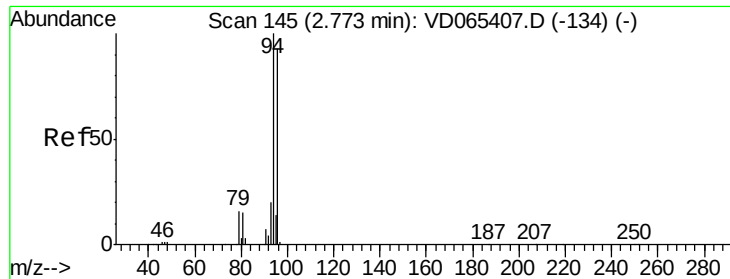
64 31.7 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.02 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

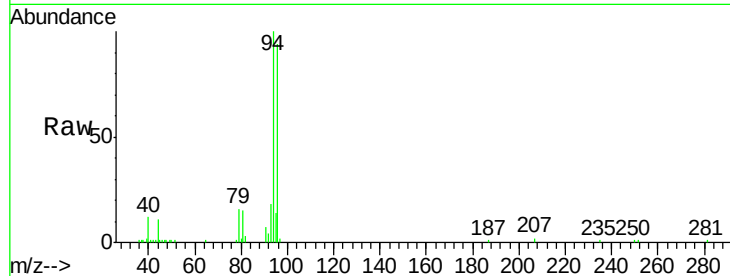
VSTDIC020

Tgt Ion: 94 Resp: 63689

Ion Ratio Lower Upper

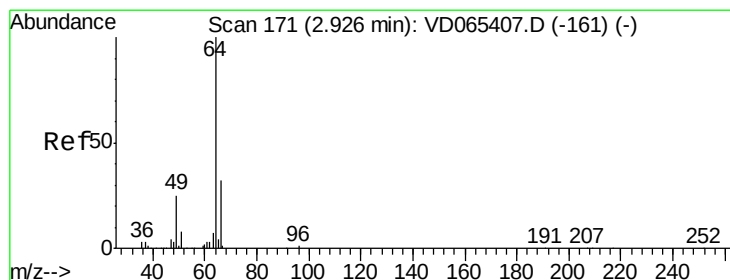
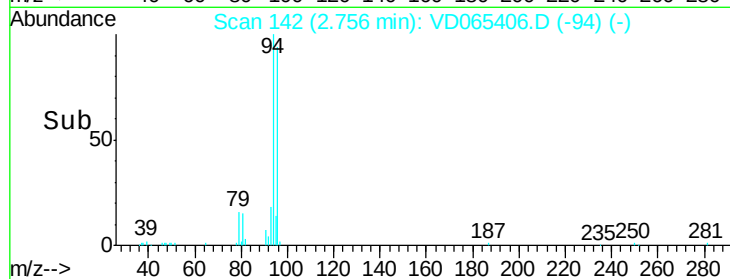
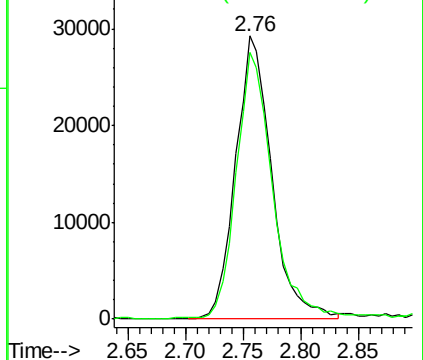
94 100

96 93.8 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: 21.59 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065406.D

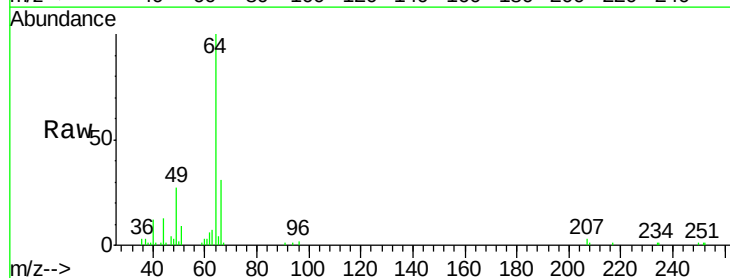
Acq: 04 Mar 2020 11:32

Tgt Ion: 64 Resp: 62131

Ion Ratio Lower Upper

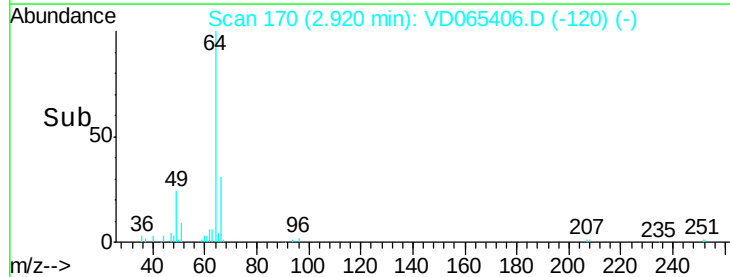
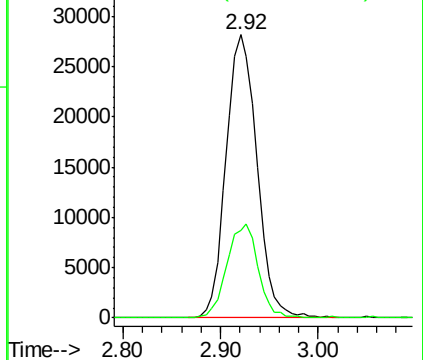
64 100

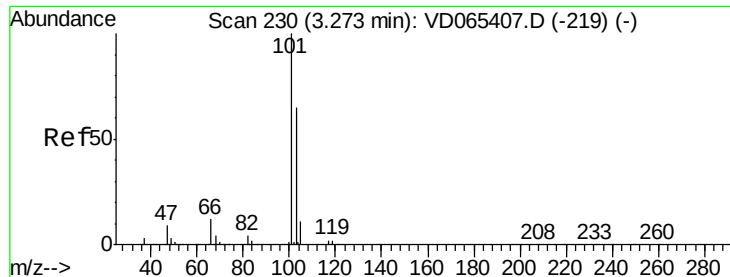
66 31.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



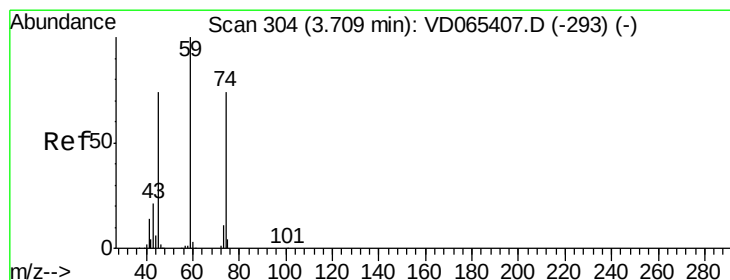
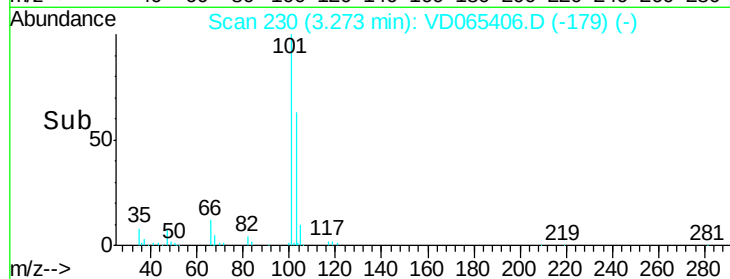
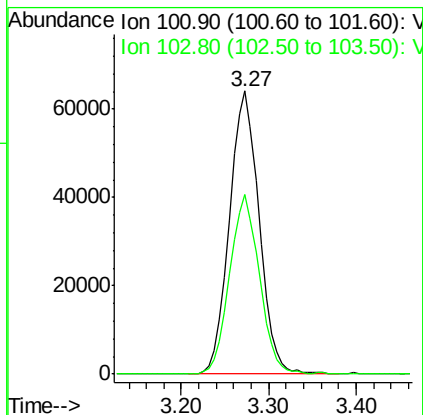
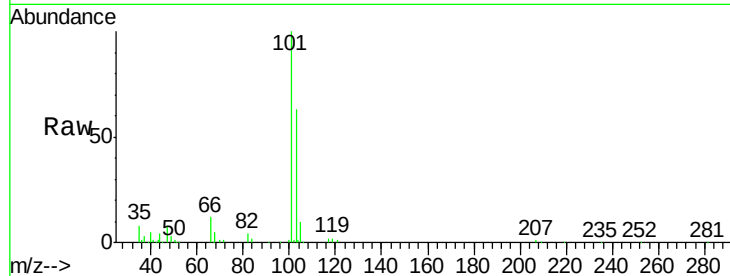


#7

Trichlorofluoromethane
Concen: 21.26 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

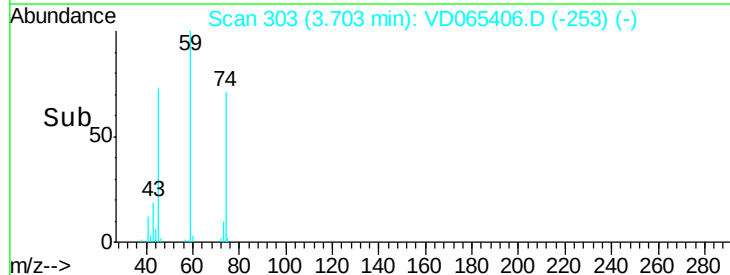
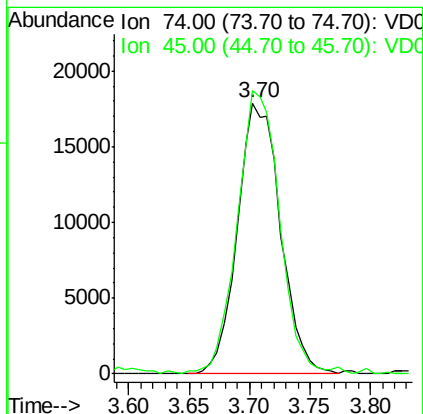
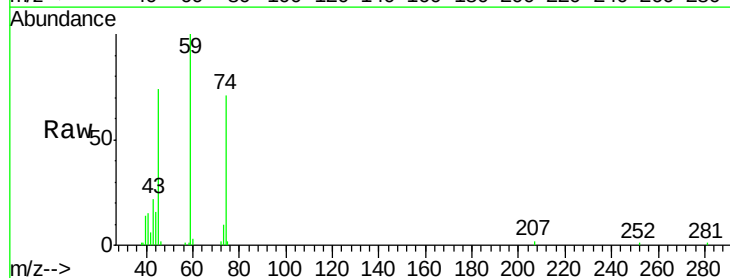
Tgt Ion: 101 Resp: 147758
Ion Ratio Lower Upper
101 100
103 63.5 52.1 78.1

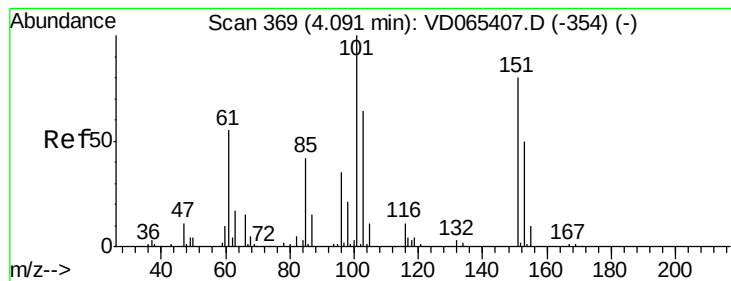


#8

Diethyl Ether
Concen: 21.37 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 74 Resp: 44359
Ion Ratio Lower Upper
74 100
45 103.2 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.66 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

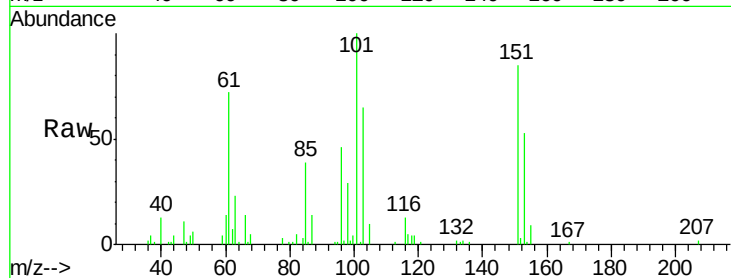
Tgt Ion:101 Resp: 92417

Ion Ratio Lower Upper

101 100

85 41.1 34.2 51.2

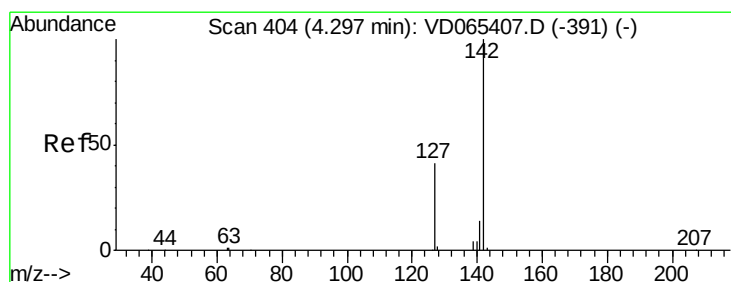
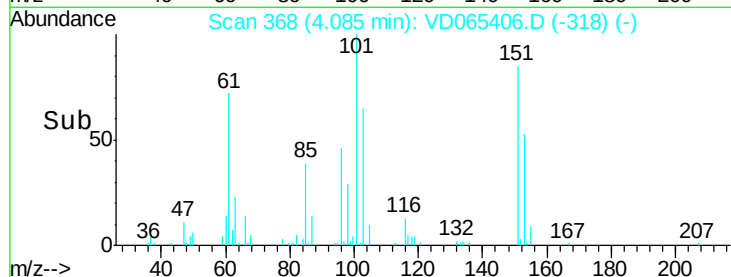
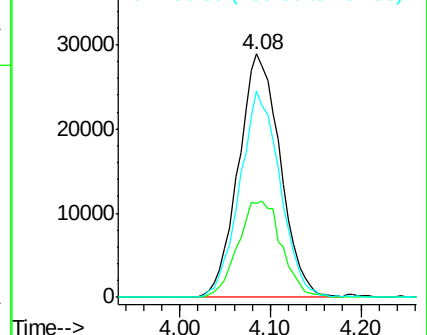
151 81.9 65.1 97.7



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: 21.24 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

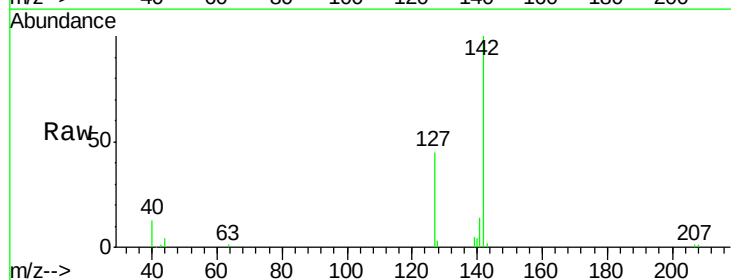
Tgt Ion:142 Resp: 98124

Ion Ratio Lower Upper

142 100

127 43.5 35.0 52.6

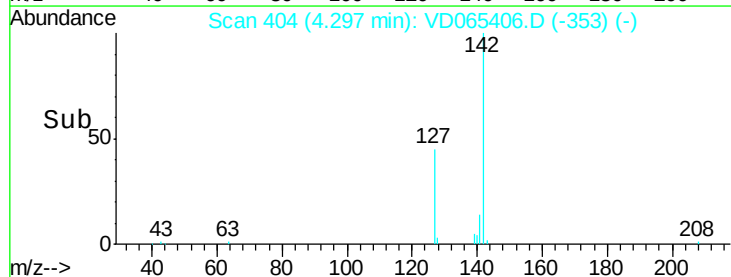
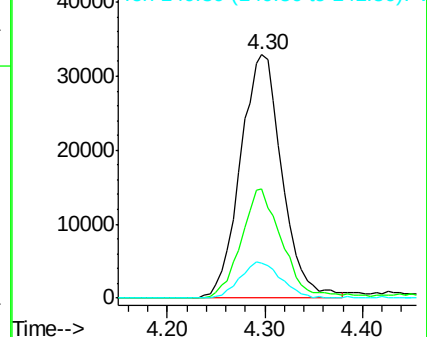
141 14.4 12.4 18.6

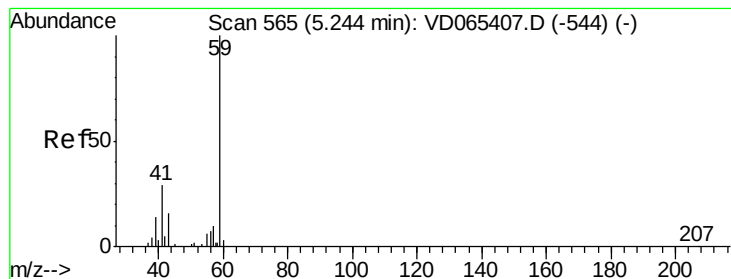


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 140.88 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

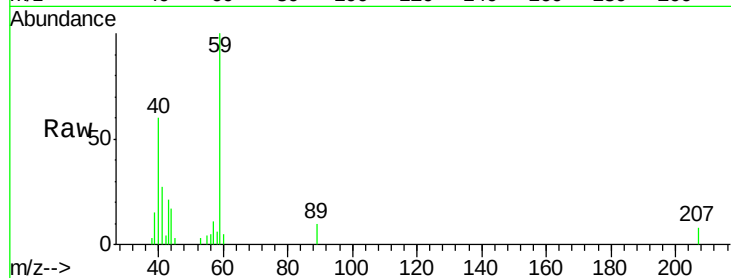
VSTDIC020

Tgt Ion: 59 Resp: 30164

Ion Ratio Lower Upper

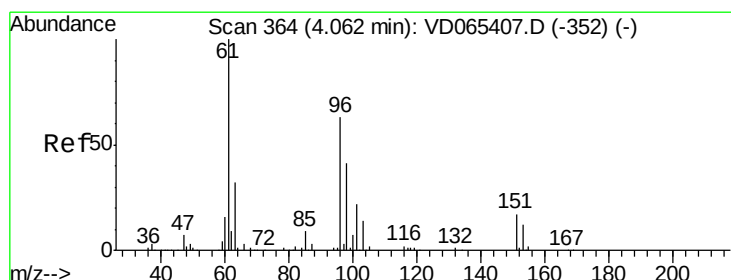
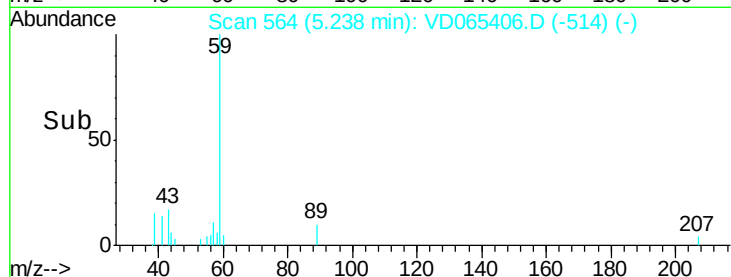
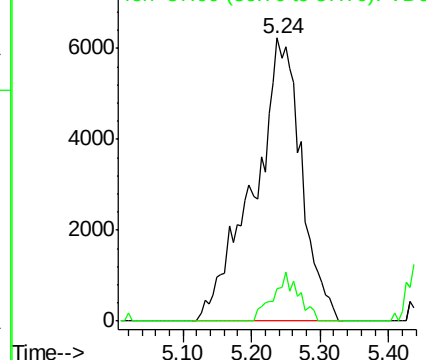
59 100

57 9.3 6.9 10.3



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.50 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

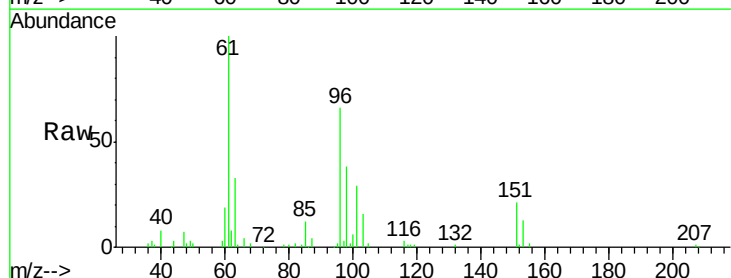
Tgt Ion: 96 Resp: 87768

Ion Ratio Lower Upper

96 100

61 151.1 128.0 192.0

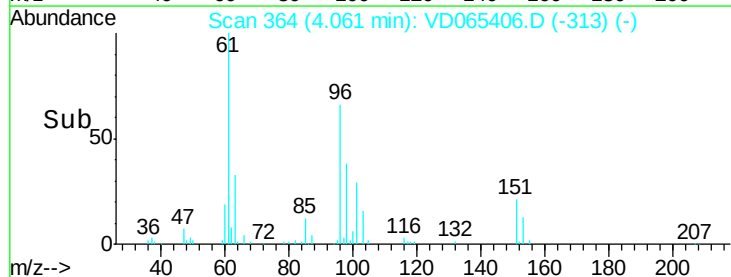
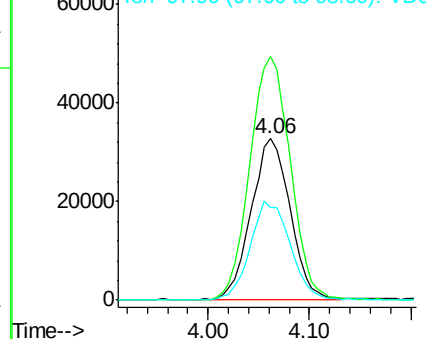
98 57.3 51.9 77.9

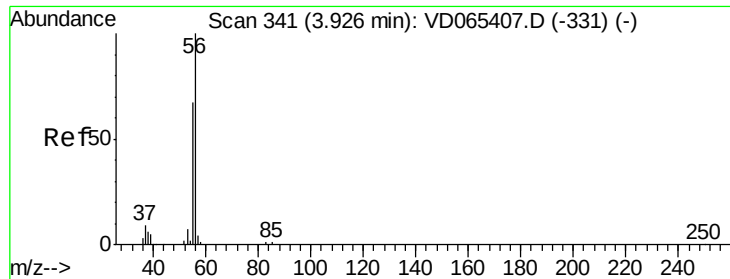


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 106.97 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

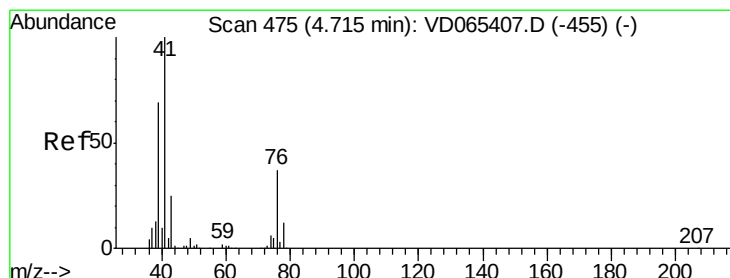
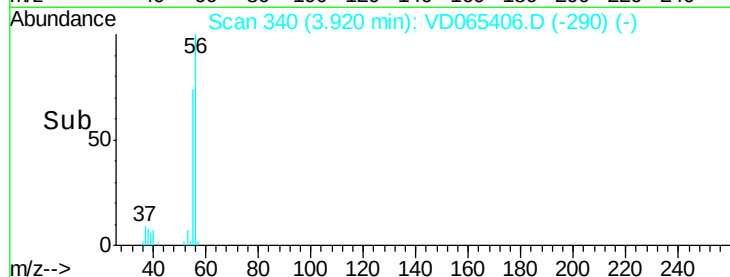
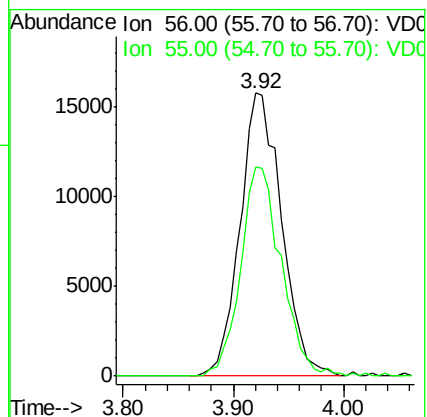
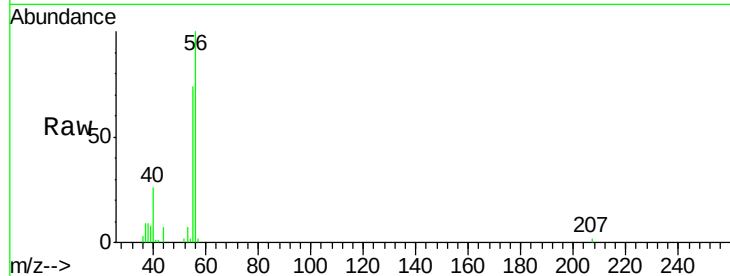
VSTDIC020

Tgt Ion: 56 Resp: 41788

Ion Ratio Lower Upper

56 100

55 72.1 56.6 85.0



#14

Allyl chloride

Concen: 20.58 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

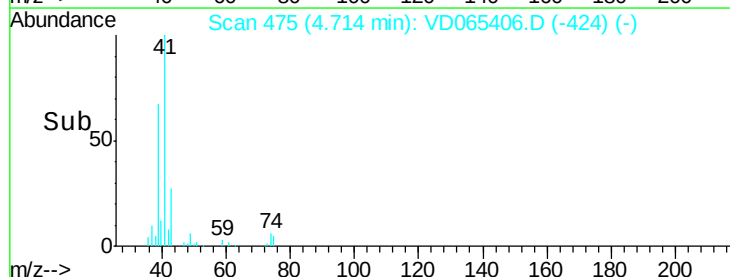
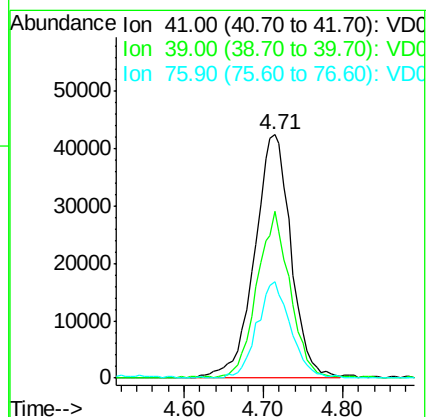
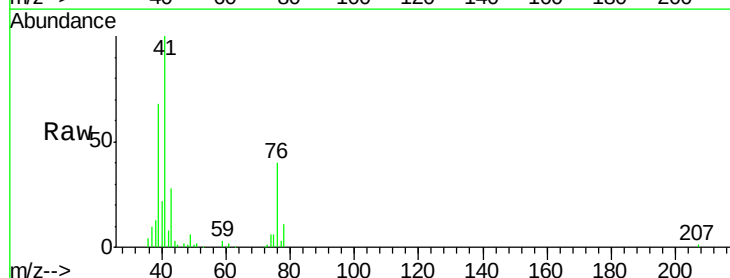
Tgt Ion: 41 Resp: 135731

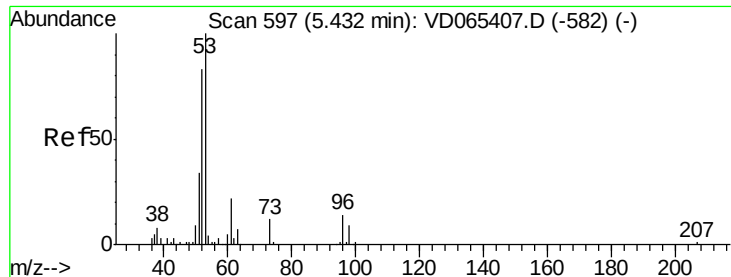
Ion Ratio Lower Upper

41 100

39 62.9 52.6 79.0

76 36.5 29.2 43.8





#15

Acrylonitrile

Concen: 105.82 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

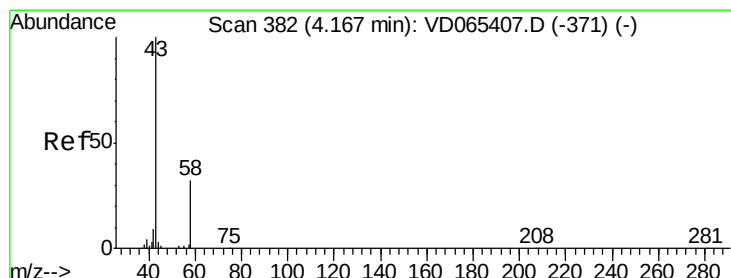
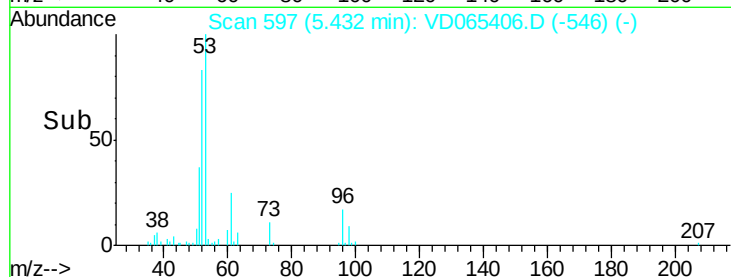
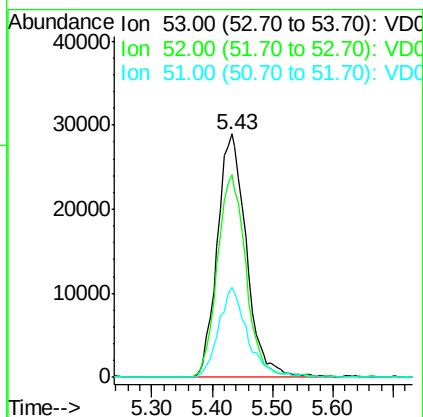
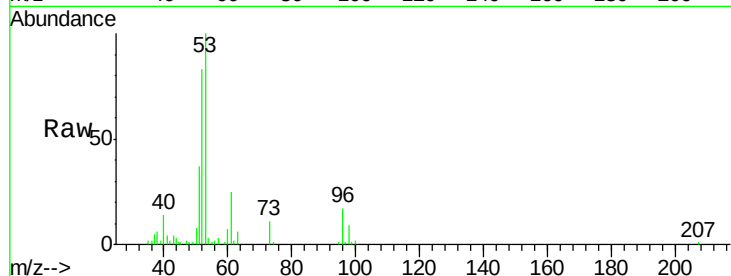
Tgt Ion: 53 Resp: 96484

Ion Ratio Lower Upper

53 100

52 81.7 65.1 97.7

51 36.8 28.5 42.7



#16

Acetone

Concen: 103.36 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065406.D

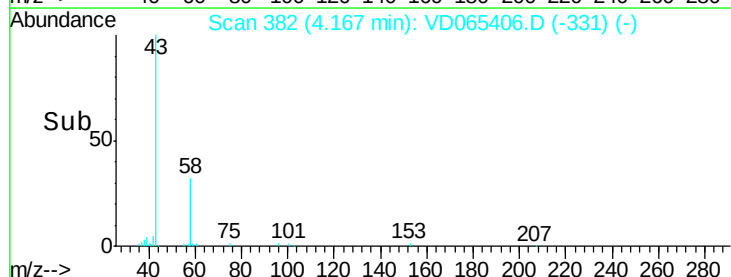
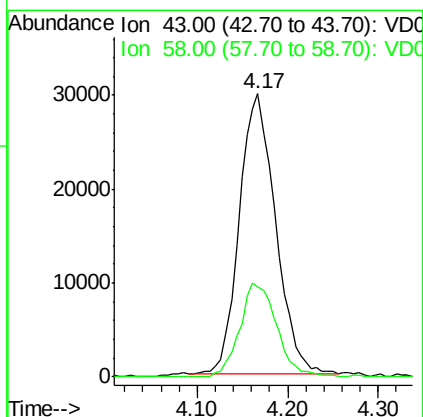
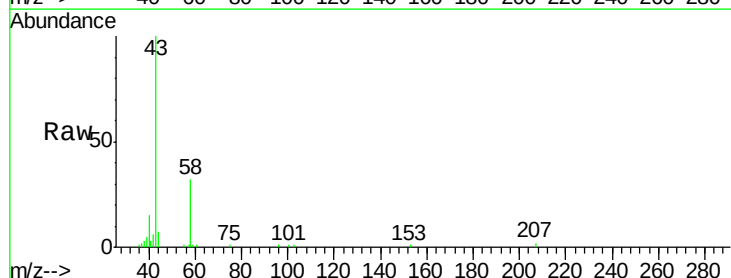
Acq: 04 Mar 2020 11:32

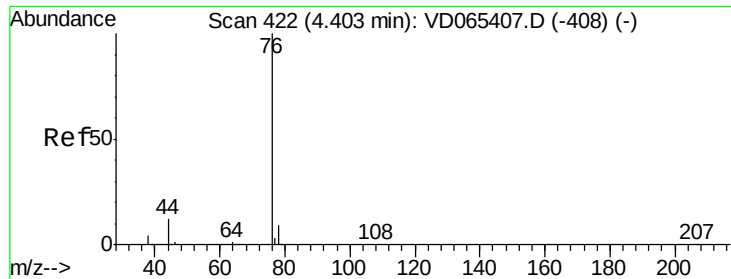
Tgt Ion: 43 Resp: 83467

Ion Ratio Lower Upper

43 100

58 31.9 25.1 37.7

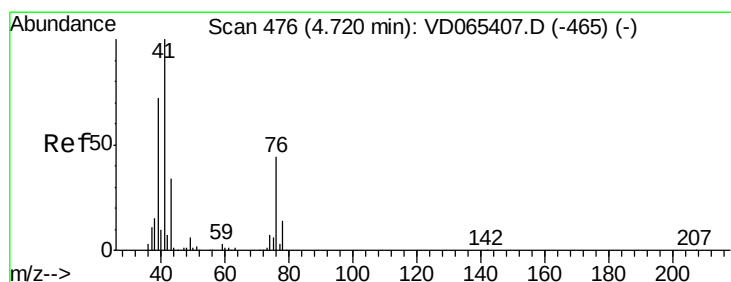
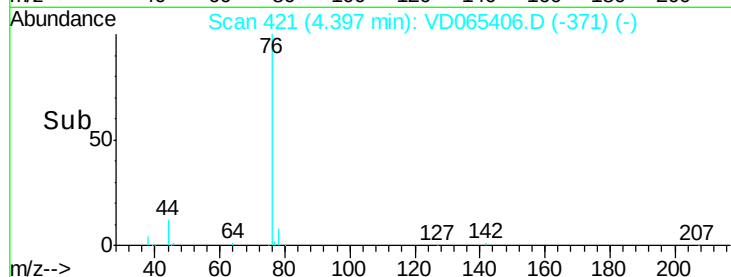
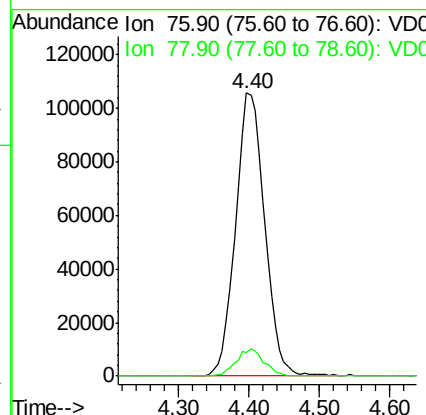
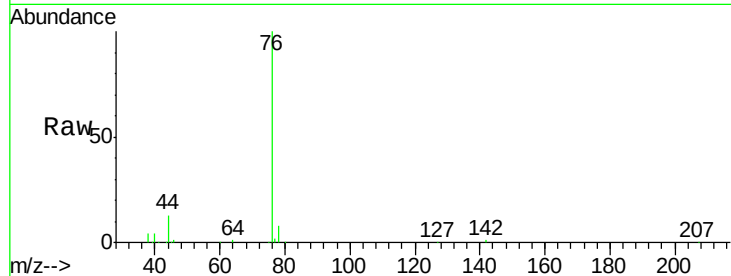




#17
Carbon Disulfide
Concen: 21.25 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

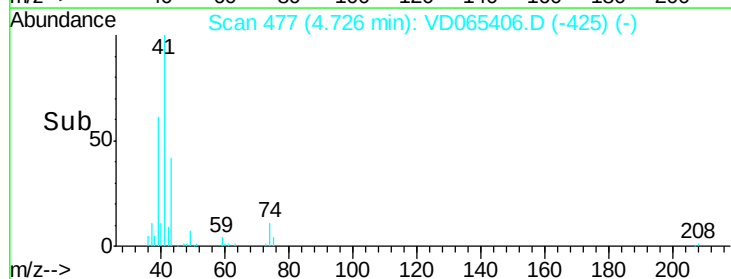
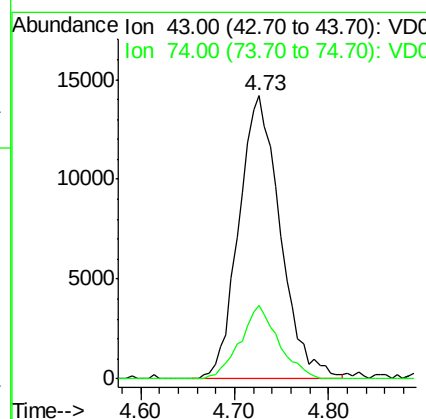
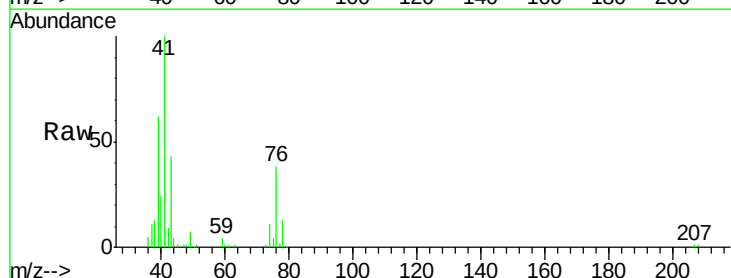
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

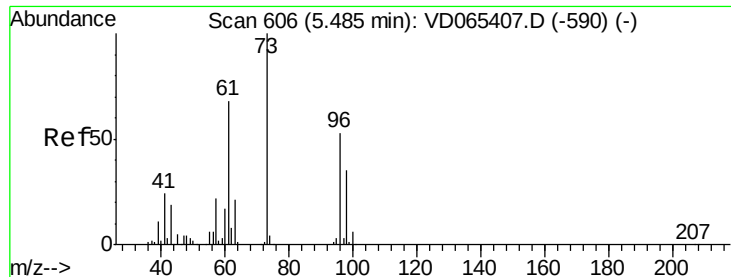
Tgt Ion: 76 Resp: 303669
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#18
Methyl Acetate
Concen: 21.04 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 43 Resp: 43432
Ion Ratio Lower Upper
43 100
74 24.0 19.6 29.4

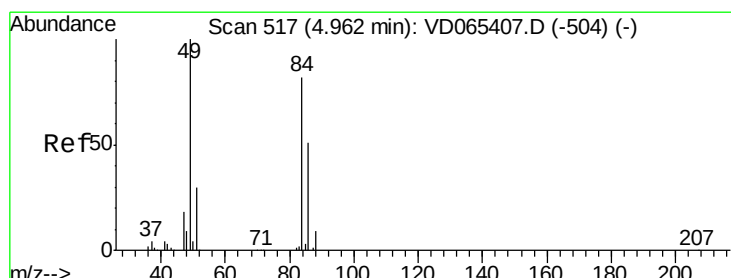
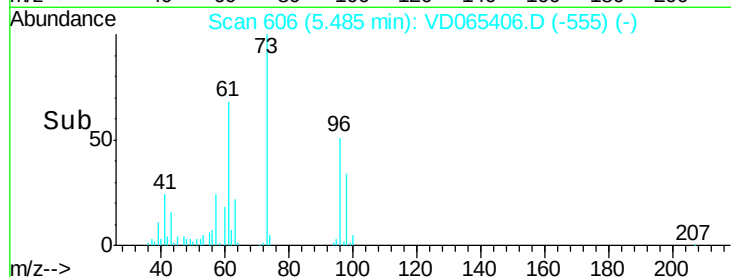
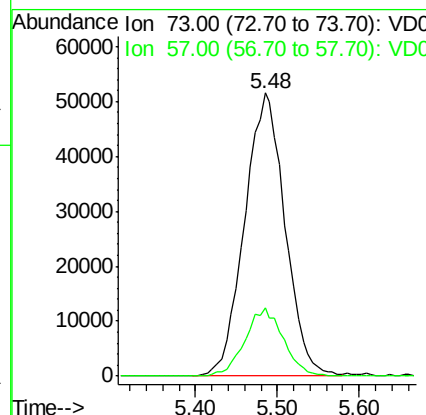
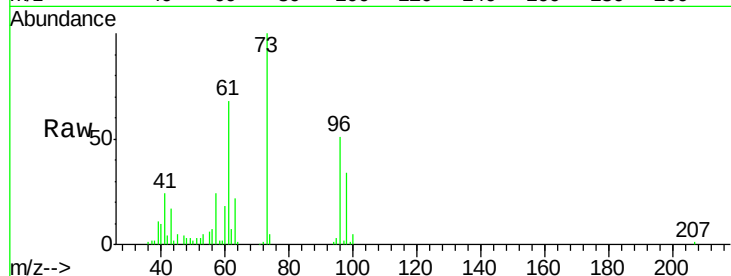




#19
Methyl tert-butyl Ether
Concen: 21.31 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

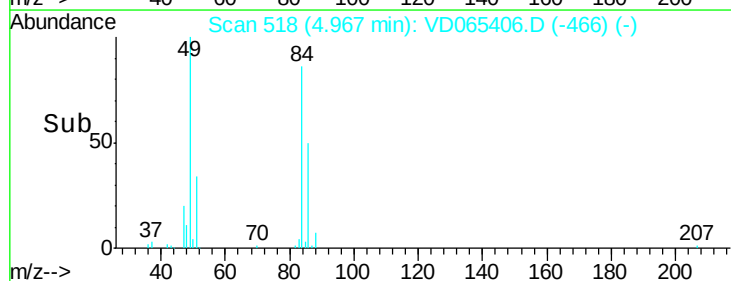
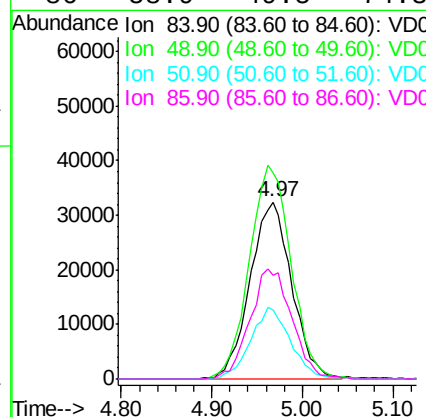
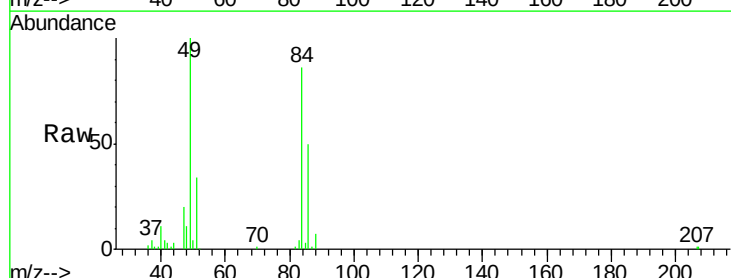
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

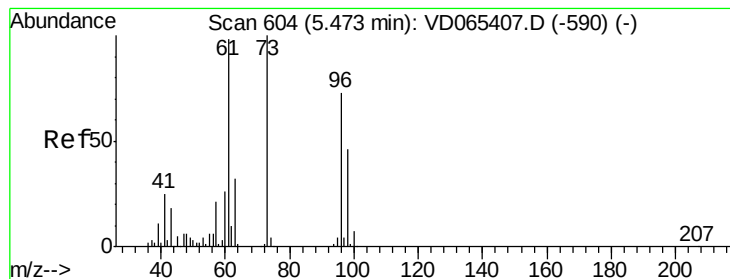
Tgt Ion: 73 Resp: 177328
Ion Ratio Lower Upper
73 100
57 24.4 17.3 25.9



#20
Methylene Chloride
Concen: 20.62 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 84 Resp: 103232
Ion Ratio Lower Upper
84 100
49 116.7 97.7 146.5
51 39.2 28.8 43.2
86 58.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.14 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

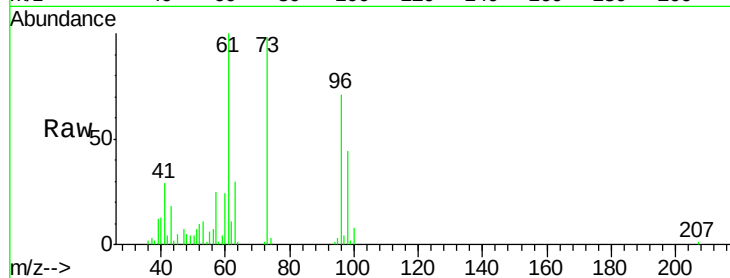
Tgt Ion: 96 Resp: 100974

Ion Ratio Lower Upper

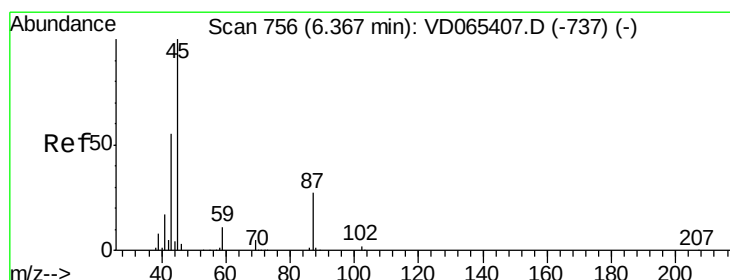
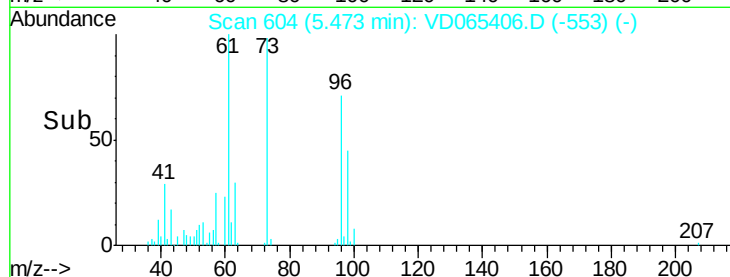
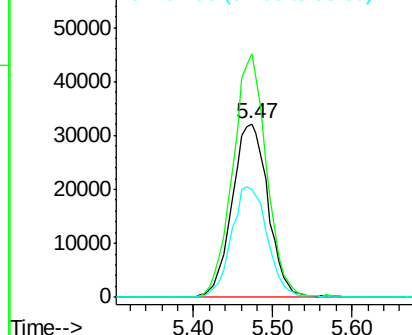
96 100

61 140.6 106.3 159.5

98 62.4 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: 22.11 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Tgt Ion: 45 Resp: 273600

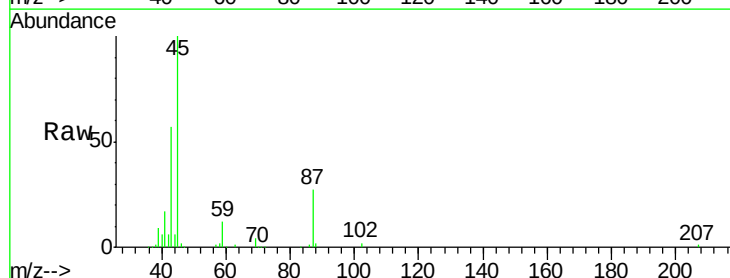
Ion Ratio Lower Upper

45 100

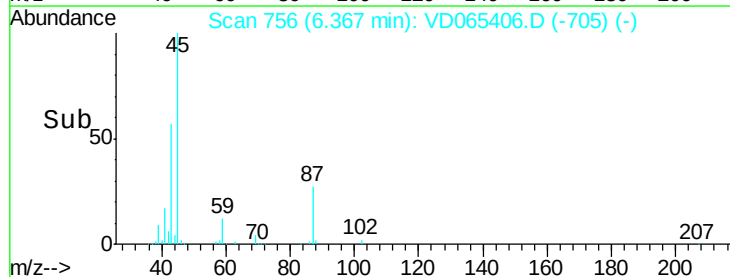
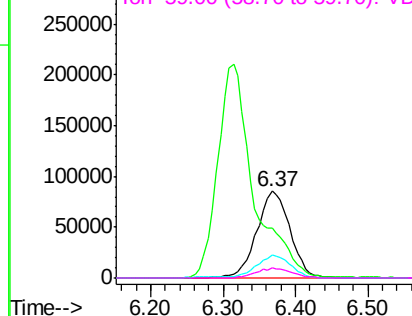
43 56.1 44.4 66.6

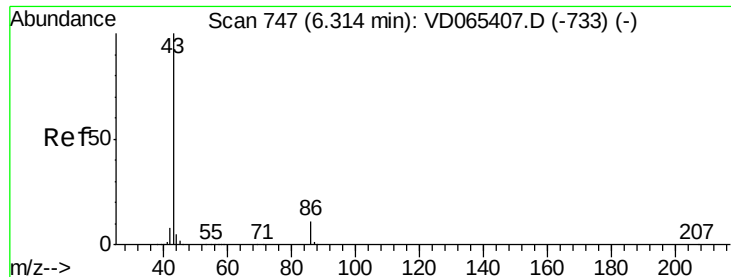
87 26.7 21.9 32.9

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: 105.71 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

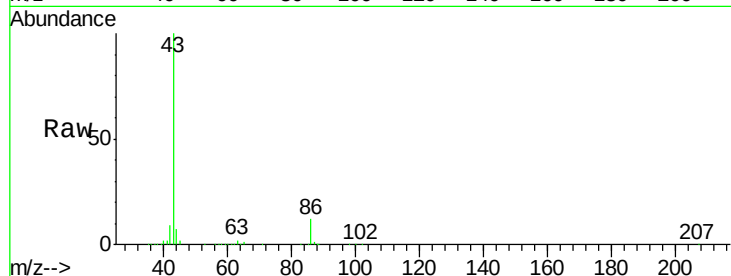
VSTDIC020

Tgt Ion: 43 Resp: 725543

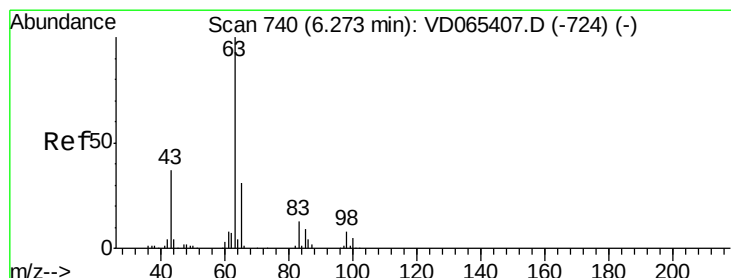
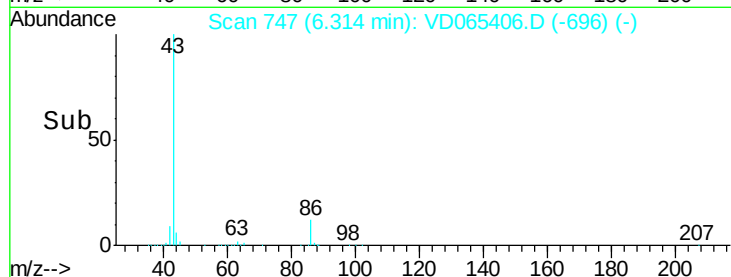
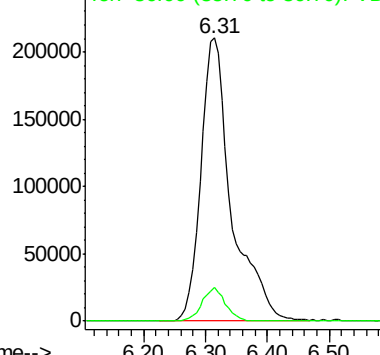
Ion Ratio Lower Upper

43 100

86 11.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.40 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

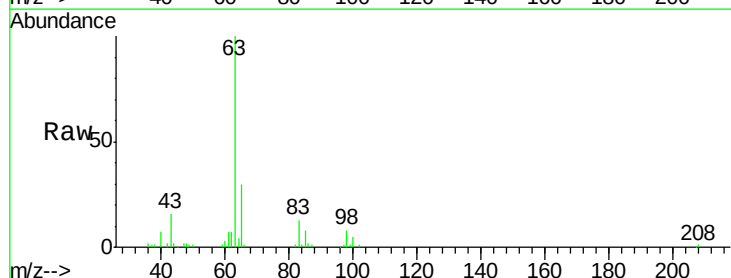
Tgt Ion: 63 Resp: 168216

Ion Ratio Lower Upper

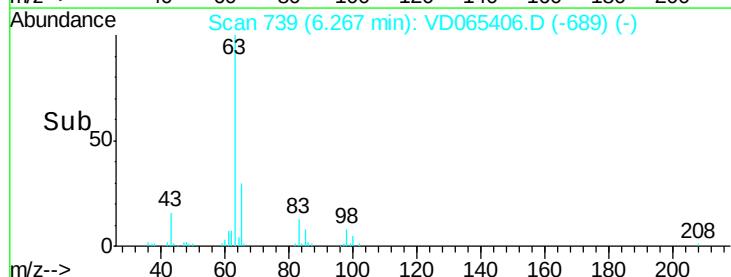
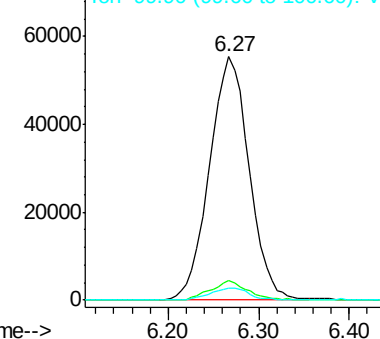
63 100

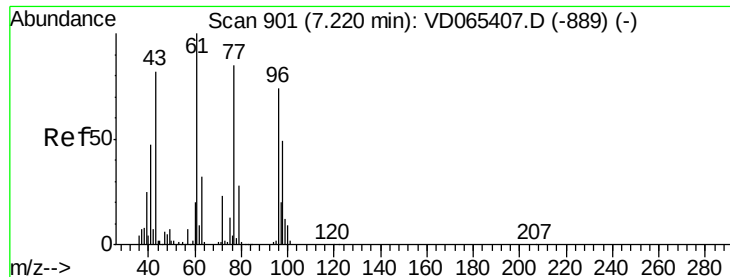
98 7.9 4.2 12.6

100 5.1 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.65 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

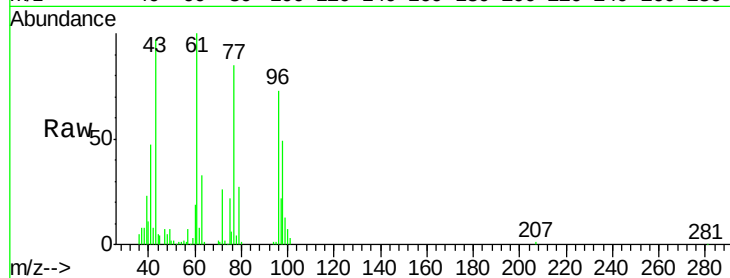
VSTDIC020

Tgt Ion: 43 Resp: 114507

Ion Ratio Lower Upper

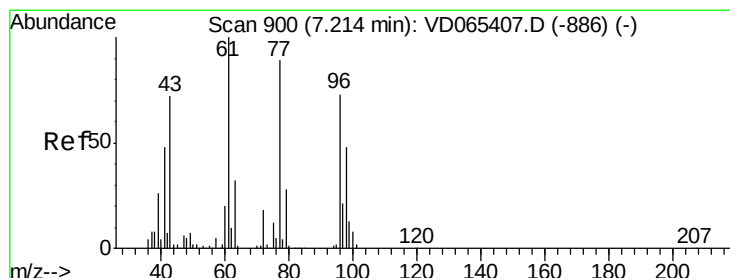
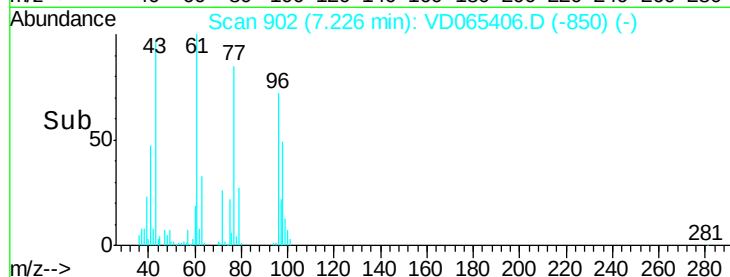
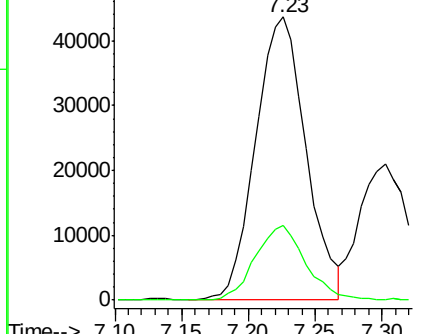
43 100

72 26.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.24 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065406.D

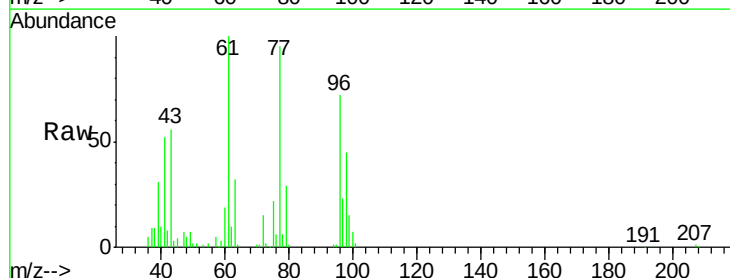
Acq: 04 Mar 2020 11:32

Tgt Ion: 77 Resp: 139056

Ion Ratio Lower Upper

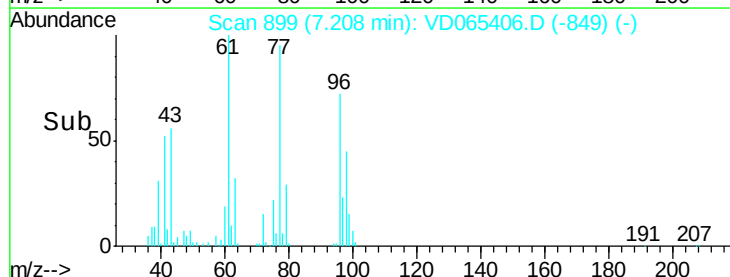
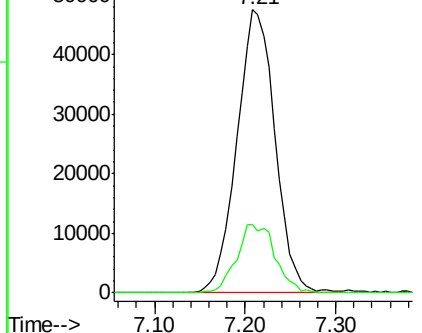
77 100

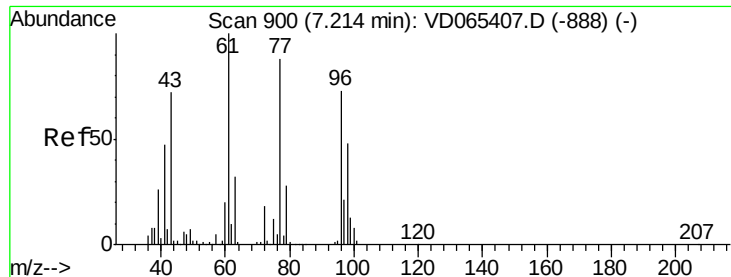
97 24.4 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 21.37 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

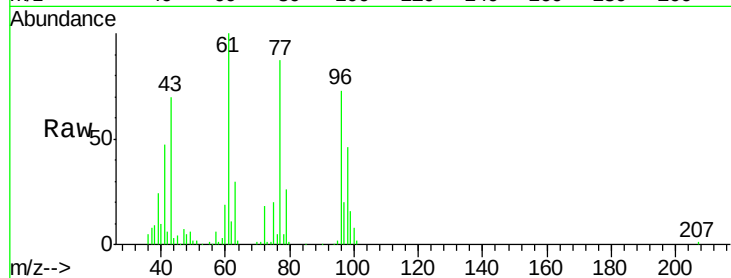
Tgt Ion: 96 Resp: 104662

Ion Ratio Lower Upper

96 100

61 139.1 0.0 280.4

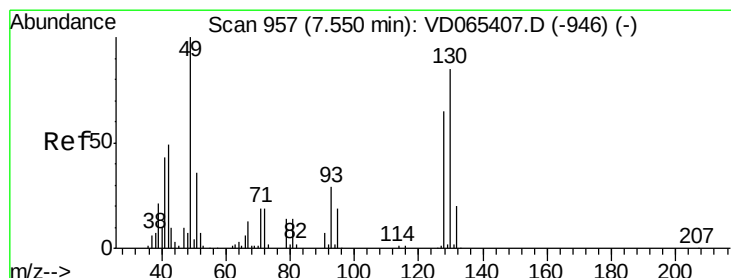
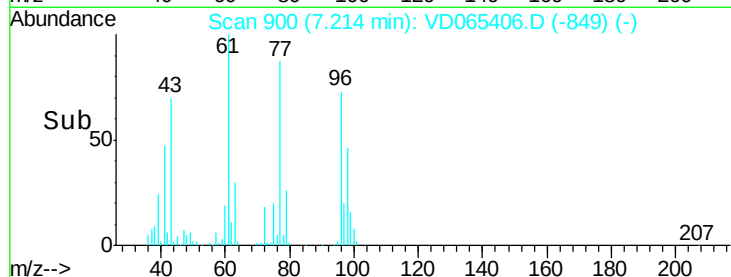
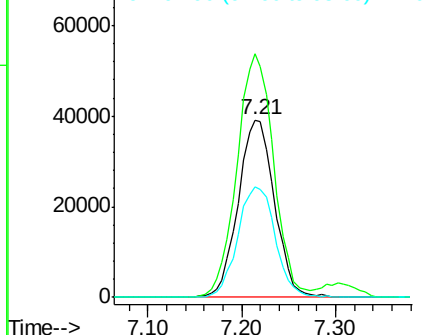
98 64.3 0.0 132.6



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: 21.70 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

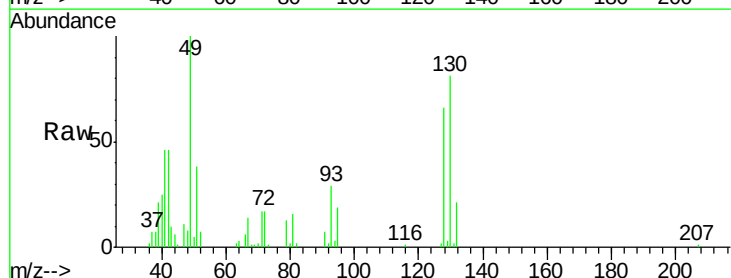
Tgt Ion: 49 Resp: 69217

Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.6

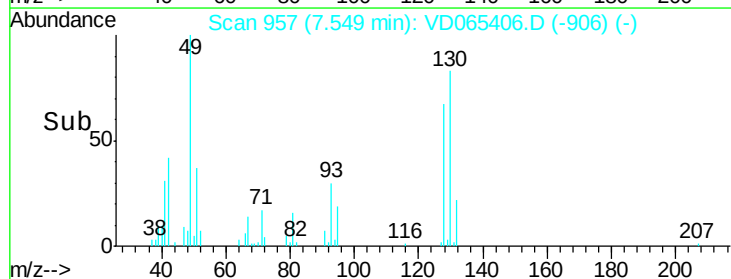
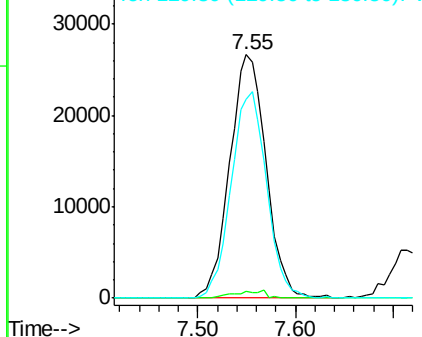
130 82.4 66.6 100.0

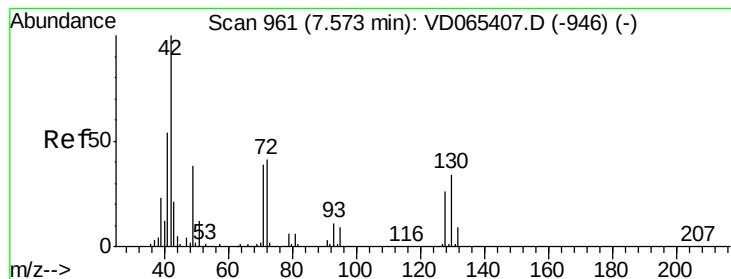


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 106.23 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

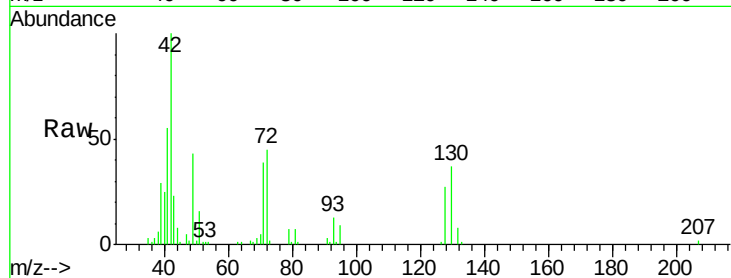
Tgt Ion: 42 Resp: 75396

Ion Ratio Lower Upper

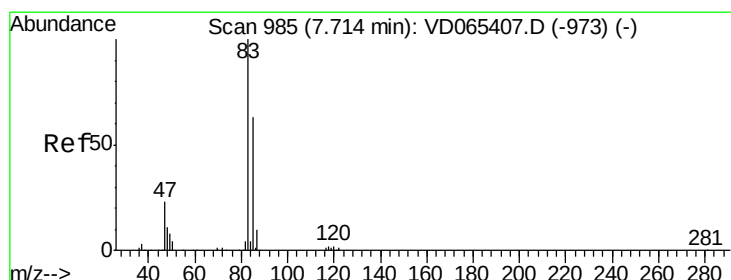
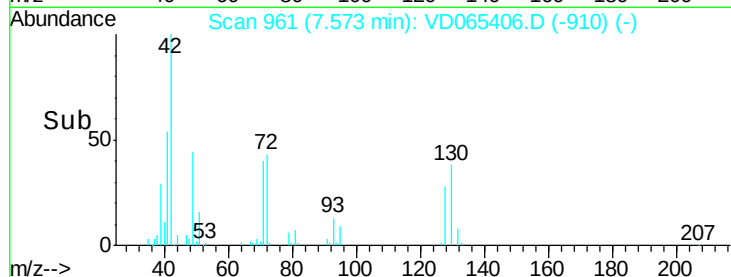
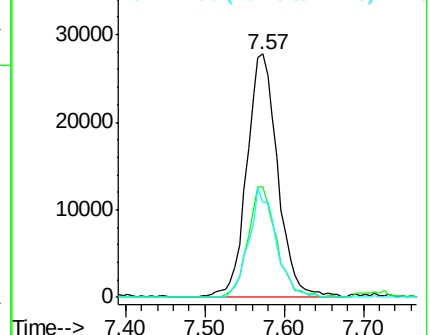
42 100

72 41.5 33.0 49.6

71 39.7 32.0 48.0



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



#30

Chloroform

Concen: 21.44 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065406.D

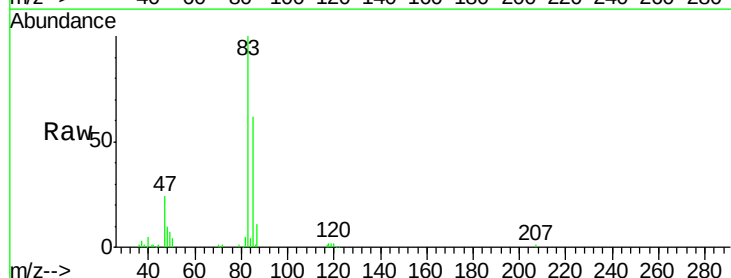
Acq: 04 Mar 2020 11:32

Tgt Ion: 83 Resp: 169512

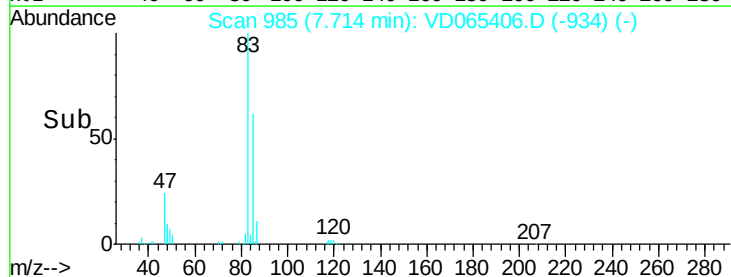
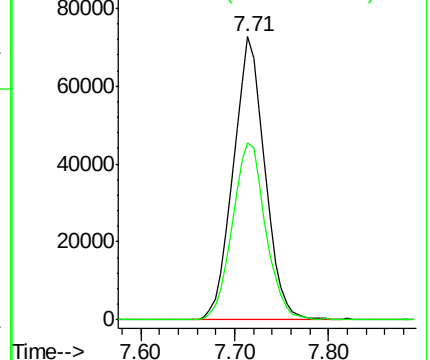
Ion Ratio Lower Upper

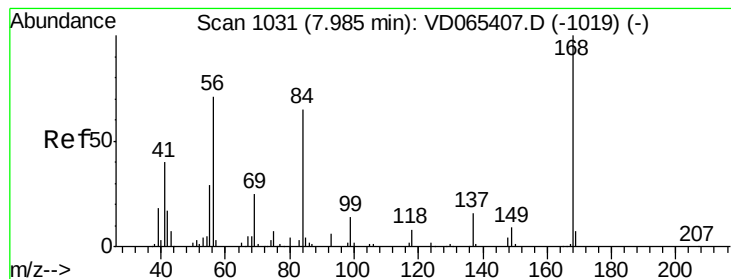
83 100

85 62.4 50.3 75.5



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





#31

Cyclohexane

Concen: 19.90 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

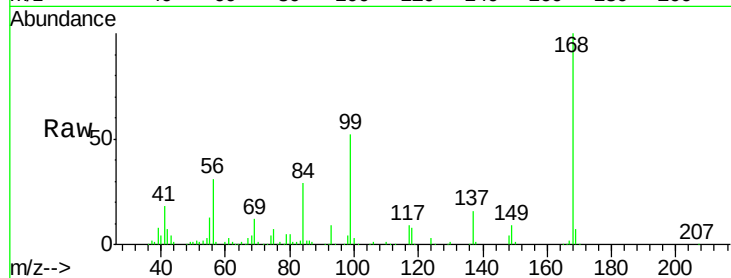
Tgt Ion: 56 Resp: 155641

Ion Ratio Lower Upper

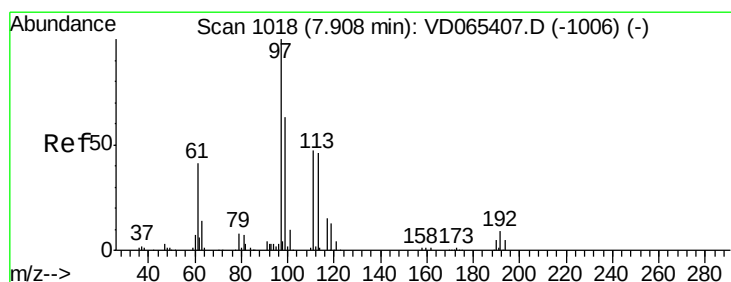
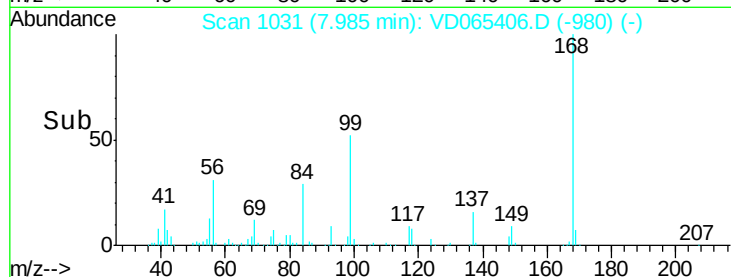
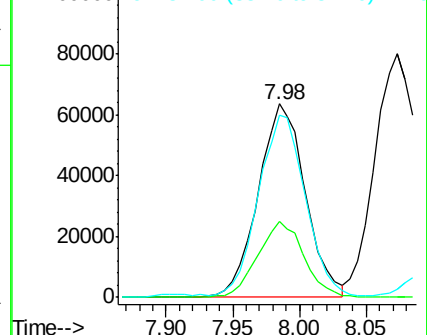
56 100

69 38.8 28.3 42.5

84 93.0 73.1 109.7



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



#32

1,1,1-Trichloroethane

Concen: 20.77 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

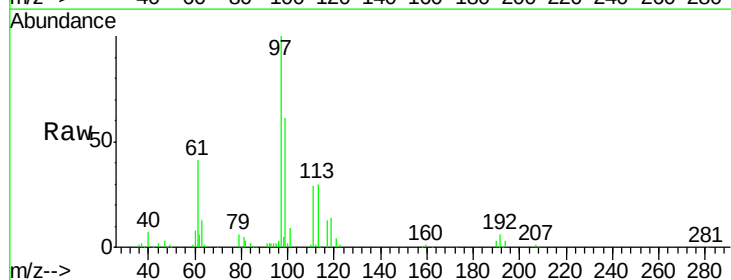
Tgt Ion: 97 Resp: 150679

Ion Ratio Lower Upper

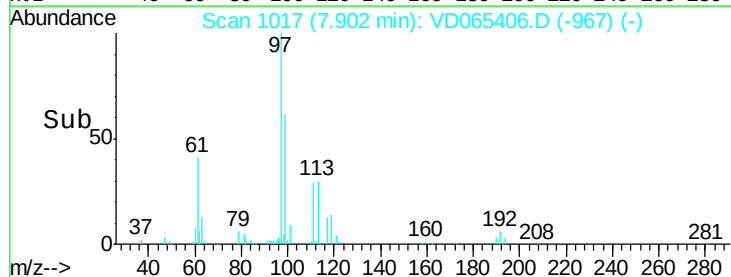
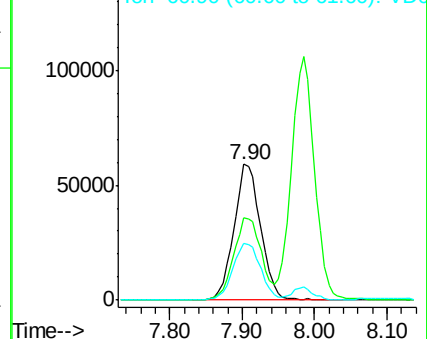
97 100

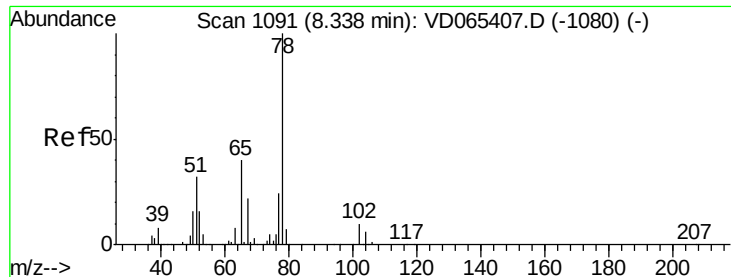
99 62.5 50.9 76.3

61 43.4 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: 20.05 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

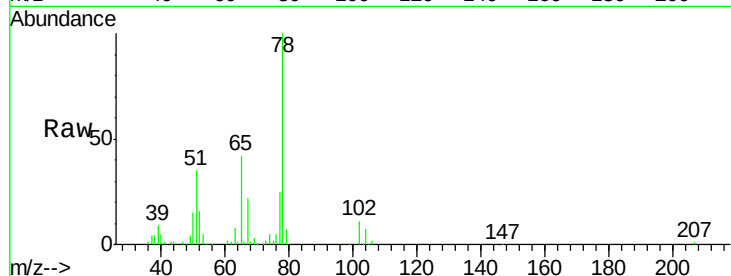
VSTDIC020

Tgt Ion: 65 Resp: 79363

Ion Ratio Lower Upper

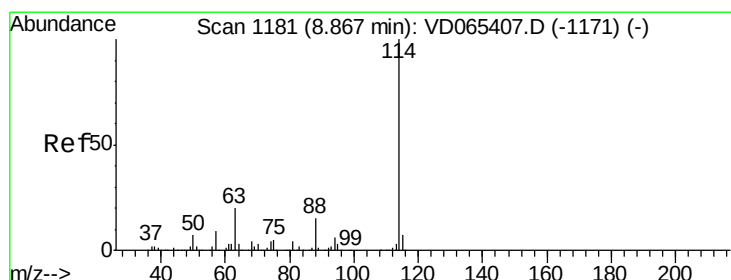
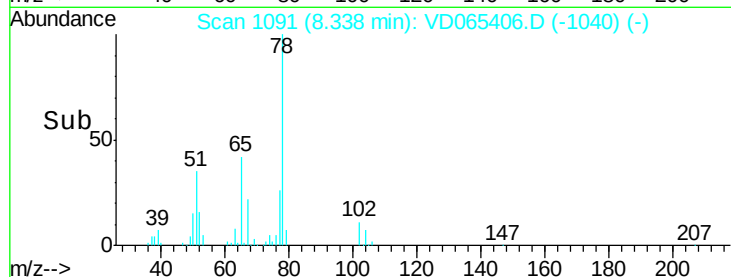
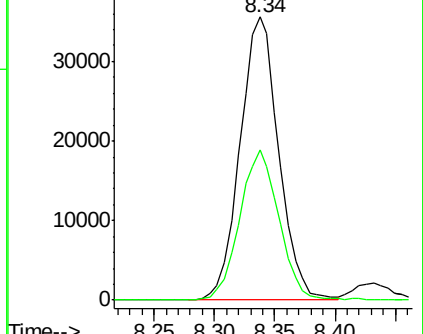
65 100

67 53.6 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

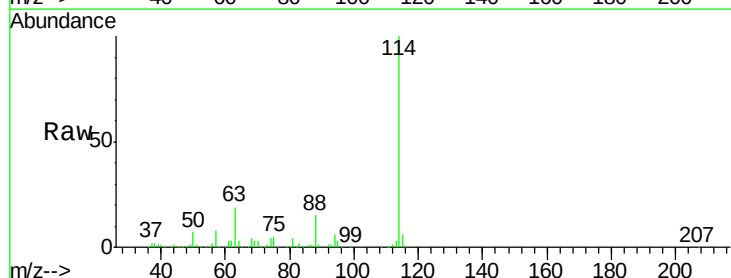
Tgt Ion: 114 Resp: 672250

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

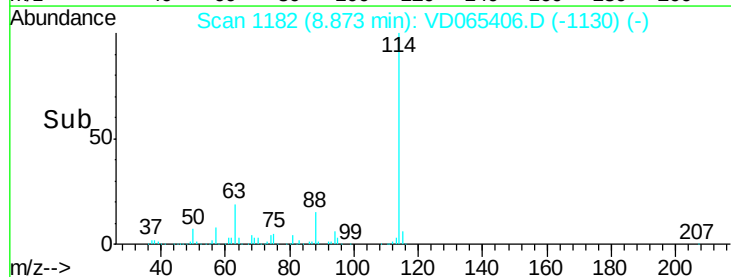
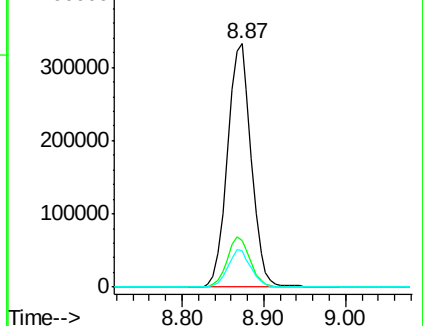
88 14.8 0.0 30.4

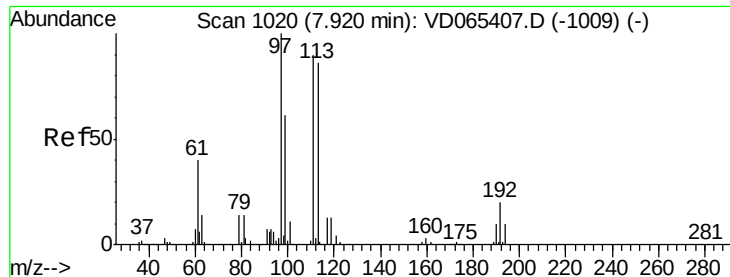


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

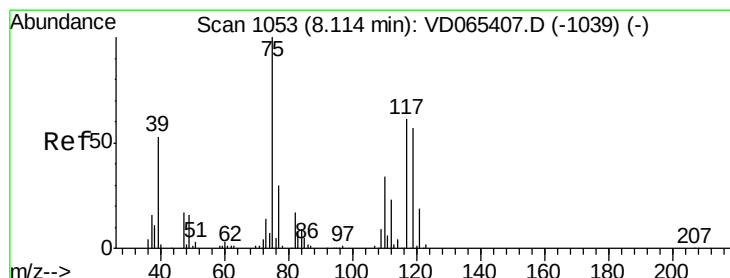
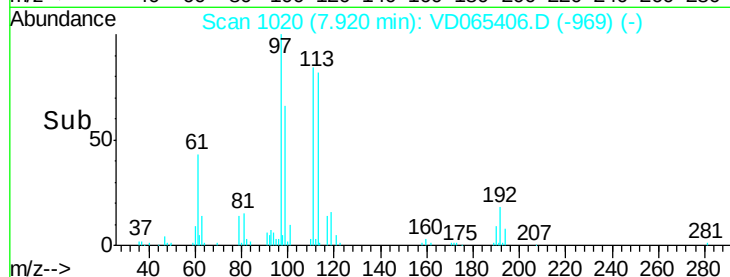
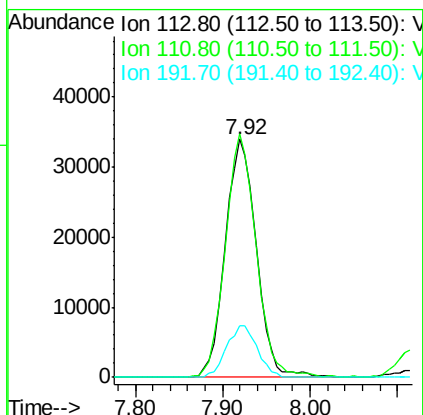
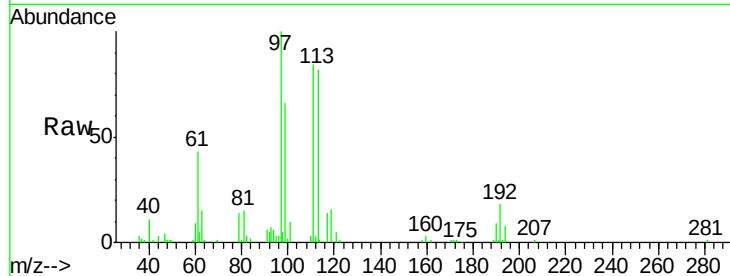




#35
 Dibromofluoromethane
 Concen: 19.75 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

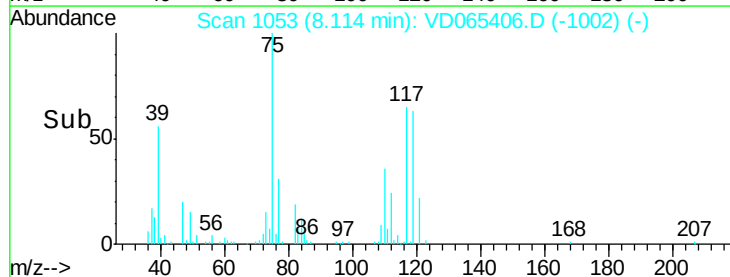
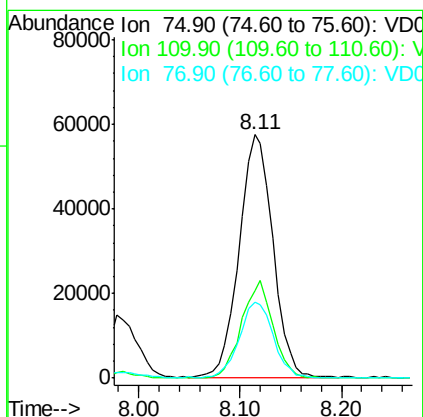
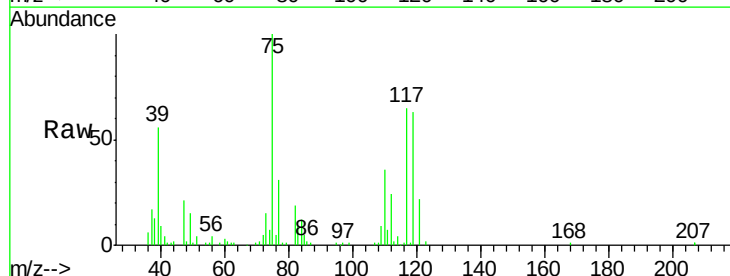
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

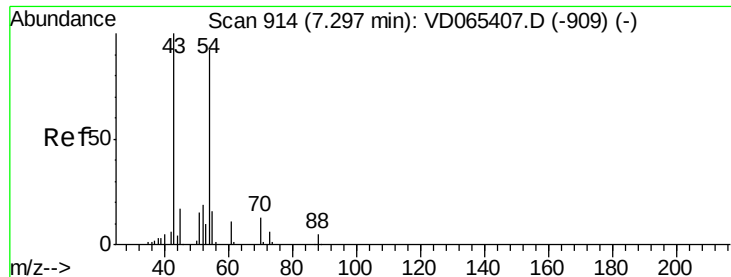
Tgt Ion: 113 Resp: 82327
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.1 123.1
 192 21.1 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 20.53 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion: 75 Resp: 132752
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.1 54.1
 77 31.7 25.2 37.8

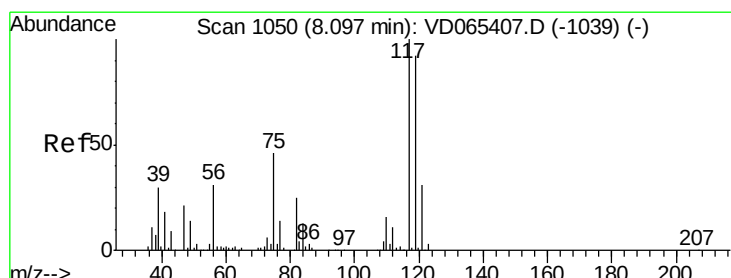
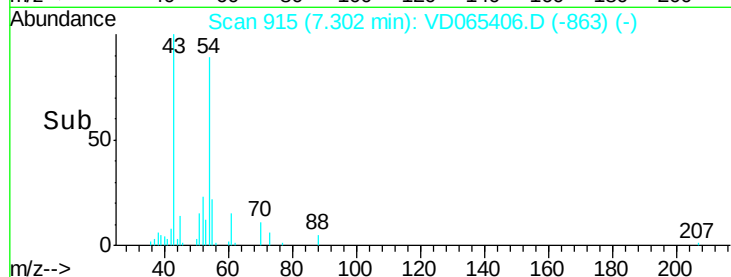
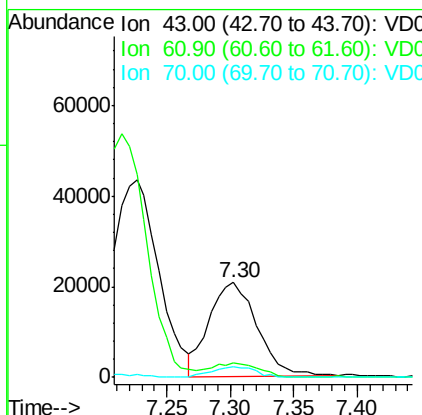
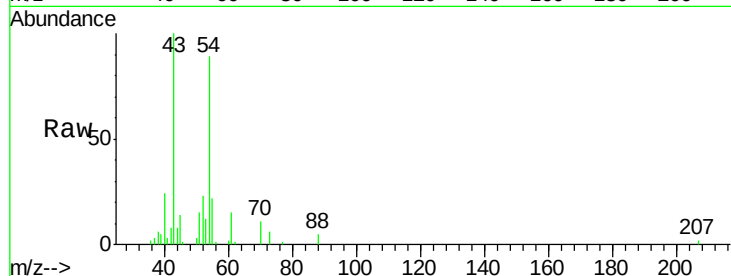




#37
Ethyl Acetate
Concen: 21.60 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

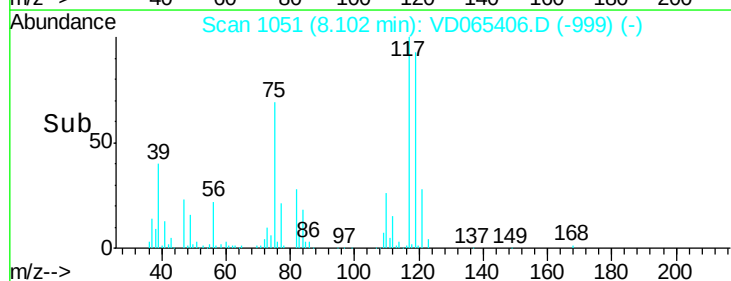
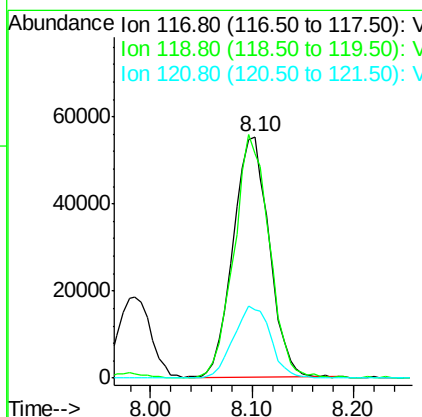
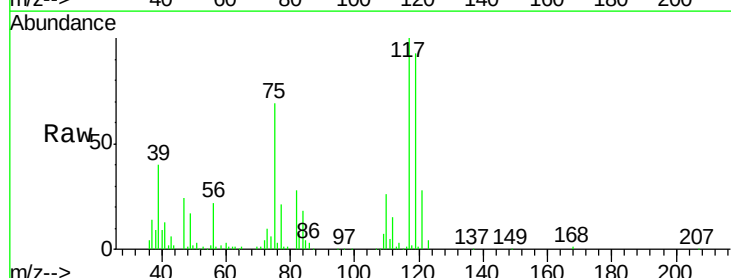
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

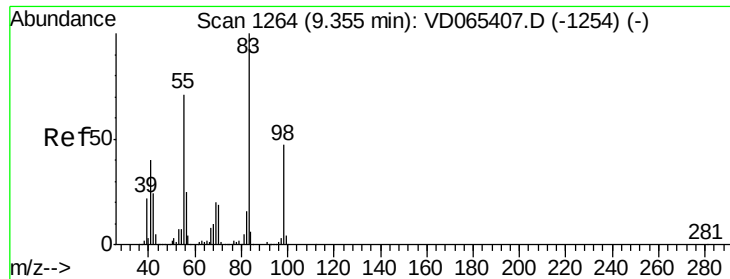
Tgt Ion: 43 Resp: 54652
Ion Ratio Lower Upper
43 100
61 14.9 11.4 17.0
70 10.6 9.0 13.4



#38
Carbon Tetrachloride
Concen: 20.42 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 117 Resp: 136244
Ion Ratio Lower Upper
117 100
119 93.8 73.3 109.9
121 28.4 25.0 37.4

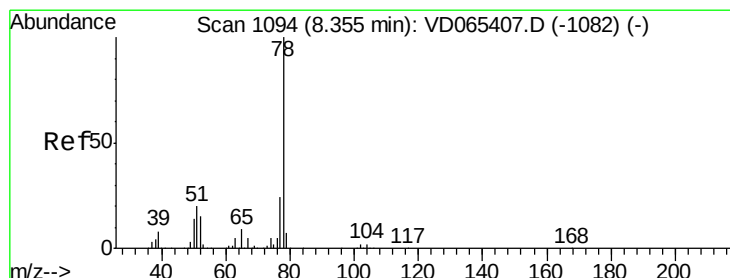
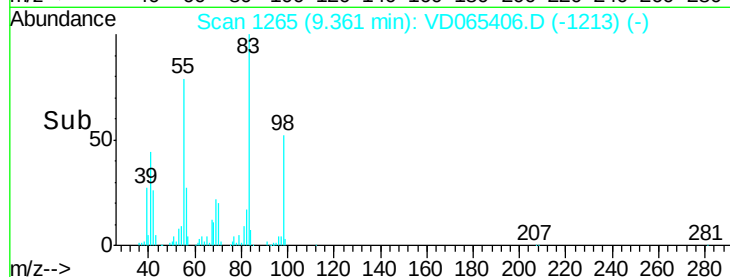
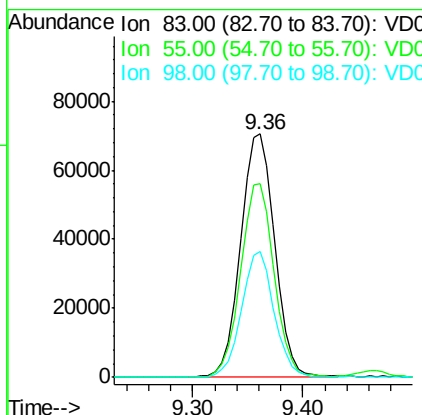
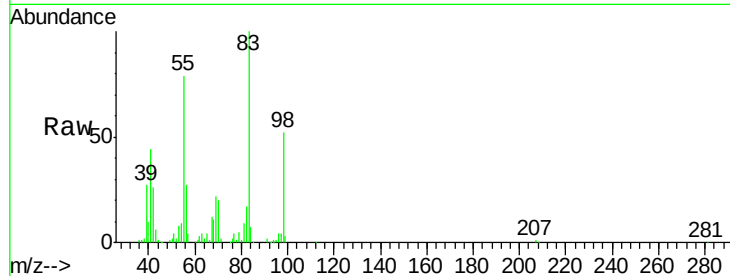




#39
Methylcyclohexane
Concen: 19.87 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

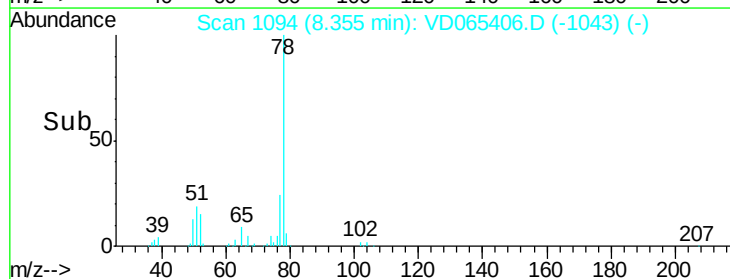
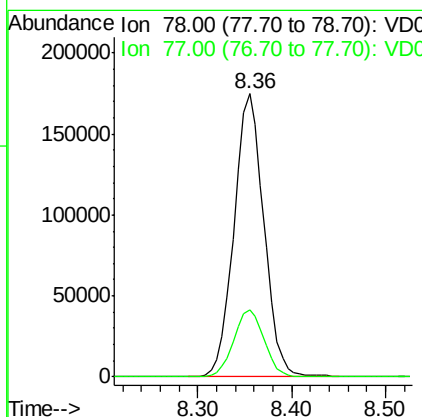
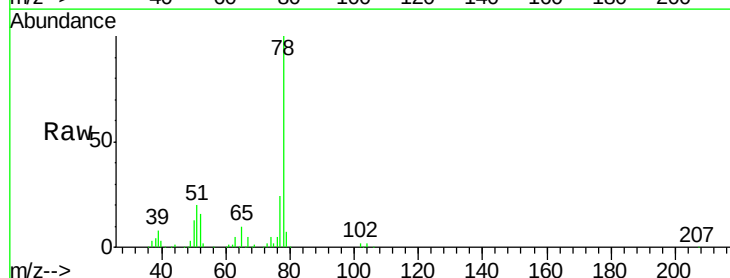
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

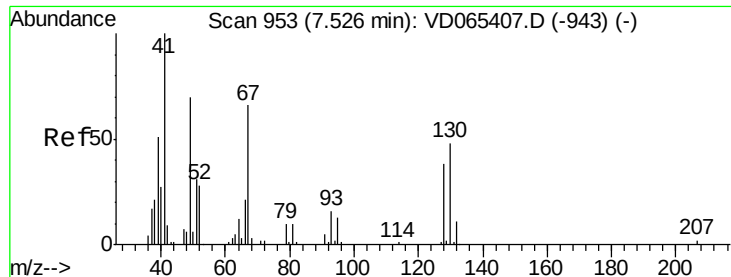
Tgt Ion: 83 Resp: 153516
Ion Ratio Lower Upper
83 100
55 79.3 57.1 85.7
98 51.9 37.8 56.8



#40
Benzene
Concen: 21.26 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 78 Resp: 385294
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0

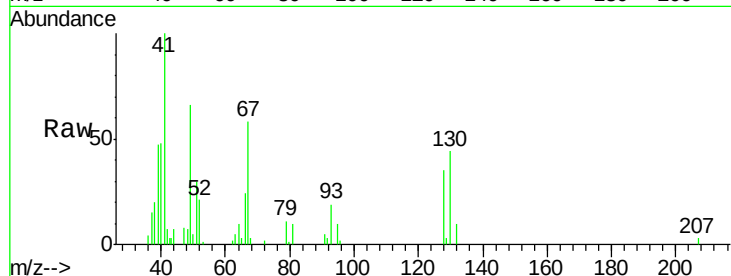




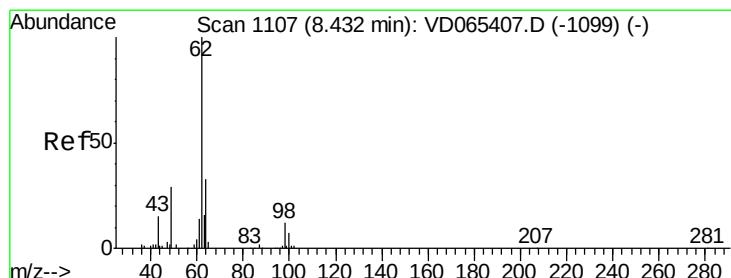
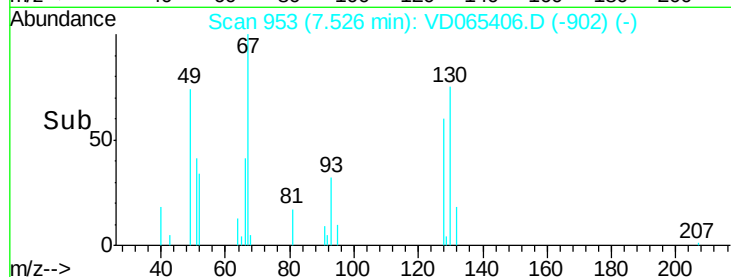
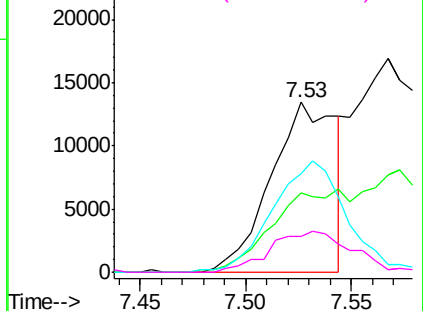
#41
Methacrylonitrile
Concen: 22.39 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 28794
Ion Ratio Lower Upper
41 100
39 56.6 55.0 82.6
67 74.2 70.3 105.5
52 30.2 30.7 46.1#

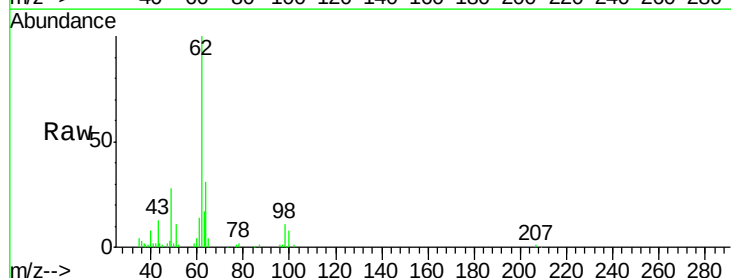


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

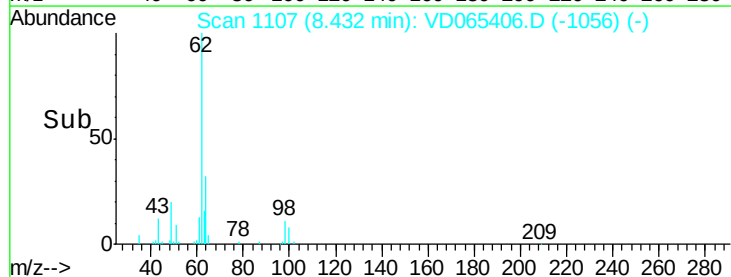
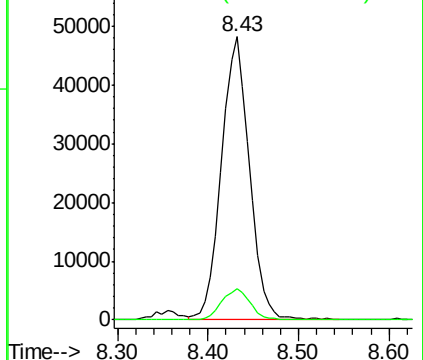


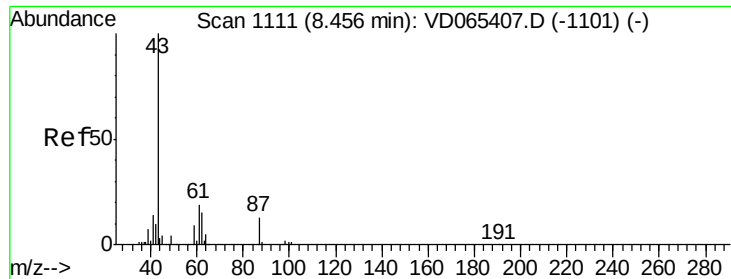
#42
1,2-Dichloroethane
Concen: 21.74 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 62 Resp: 103657
Ion Ratio Lower Upper
62 100
98 11.0 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.24 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

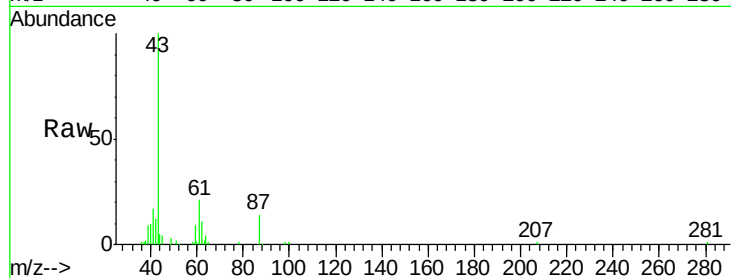
Tgt Ion: 43 Resp: 93717

Ion Ratio Lower Upper

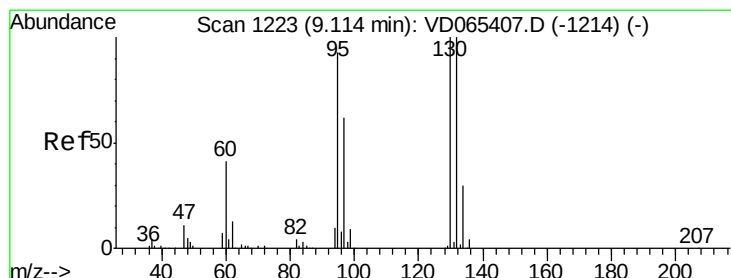
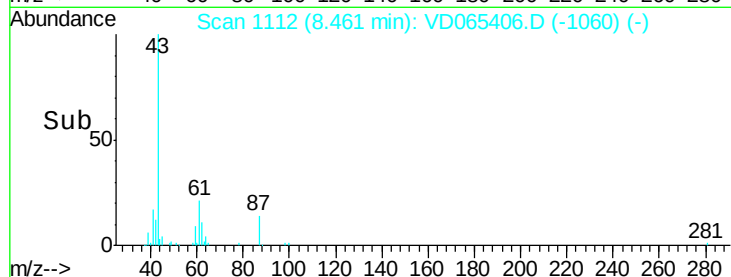
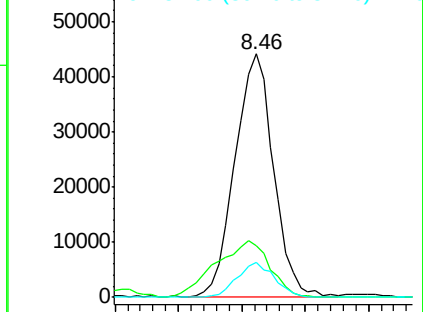
43 100

61 32.5 25.0 37.6

87 13.7 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: 20.90 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065406.D

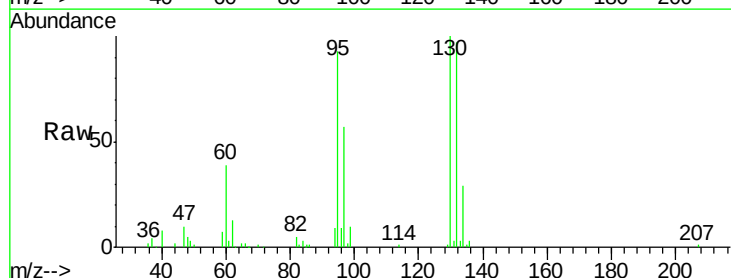
Acq: 04 Mar 2020 11:32

Tgt Ion: 130 Resp: 106323

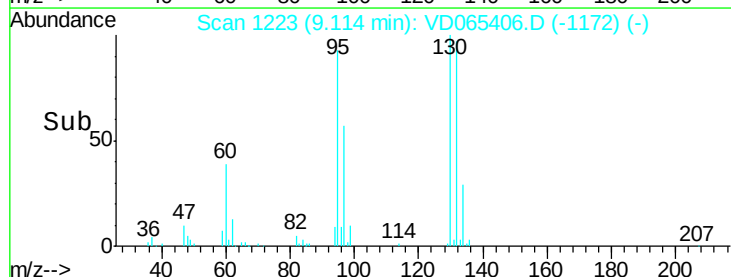
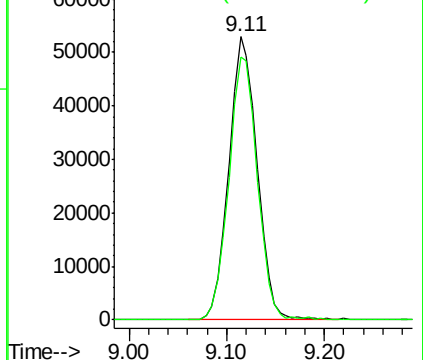
Ion Ratio Lower Upper

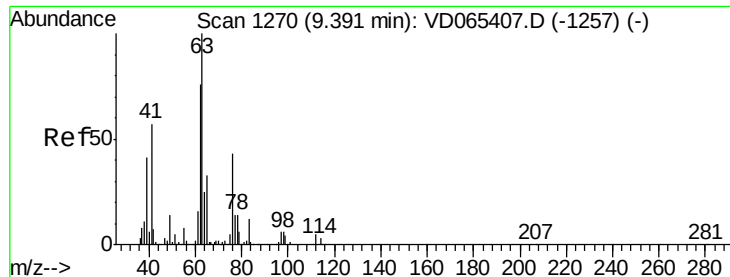
130 100

95 92.9 0.0 186.0



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

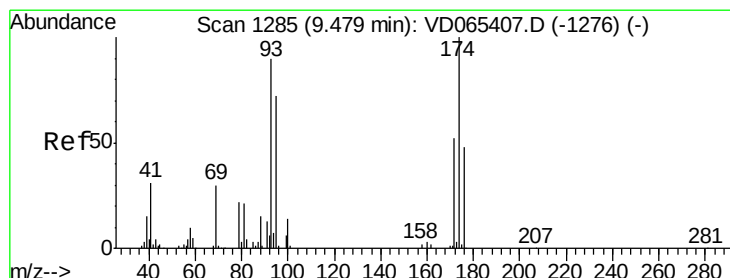
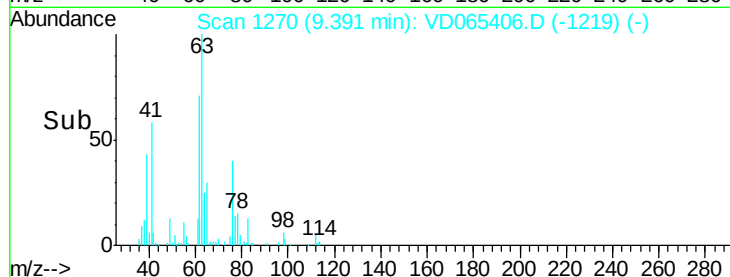
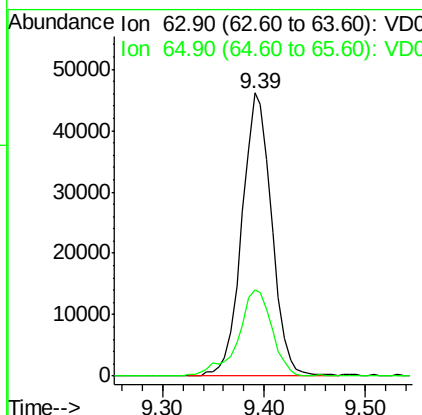
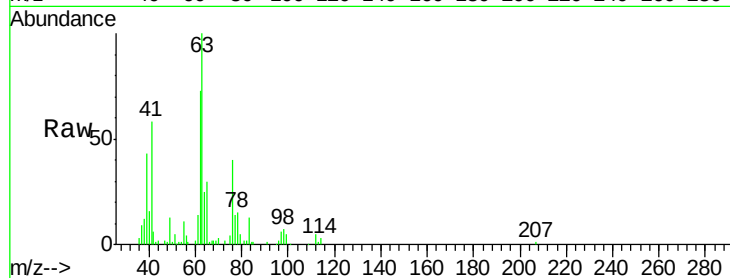




#45
 1,2-Dichloropropane
 Concen: 21.33 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

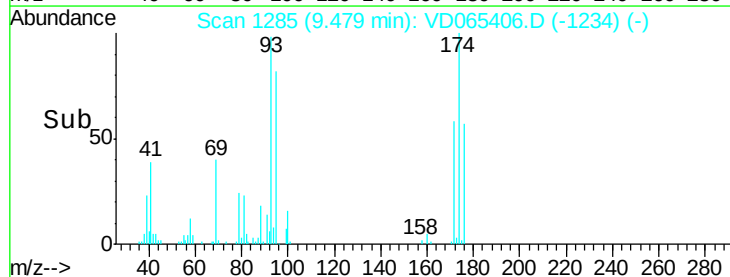
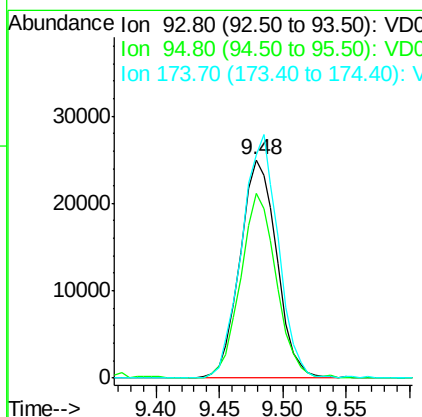
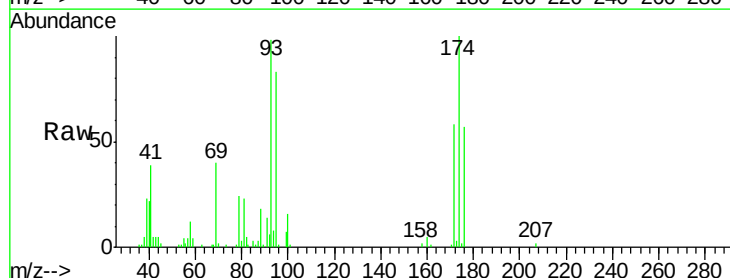
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

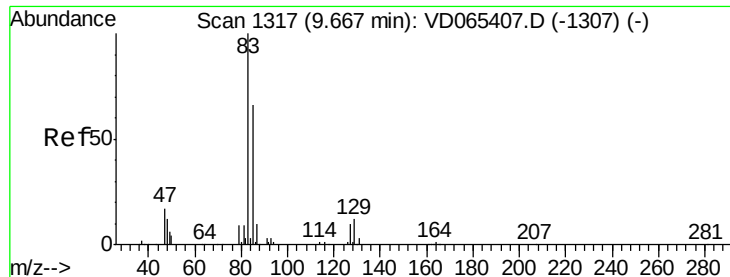
Tgt Ion: 63 Resp: 93906
 Ion Ratio Lower Upper
 63 100
 65 30.4 26.4 39.6



#46
 Dibromomethane
 Concen: 22.06 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion: 93 Resp: 50477
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.0 97.6
 174 110.5 88.3 132.5





#47

Bromodichloromethane

Concen: 21.60 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

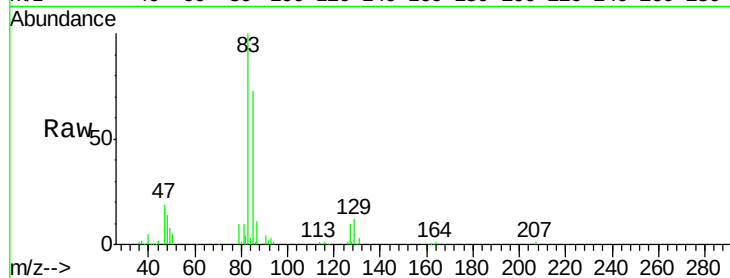
Tgt Ion: 83 Resp: 128344

Ion Ratio Lower Upper

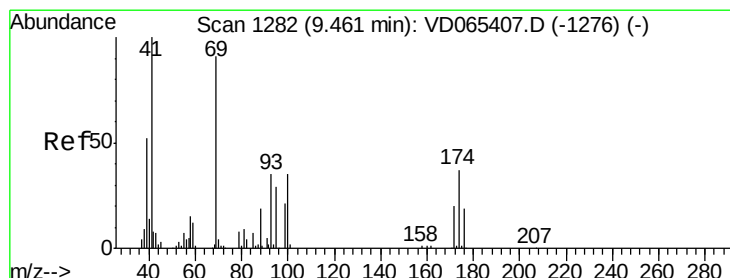
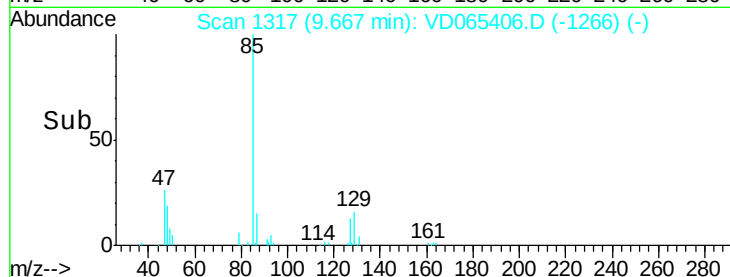
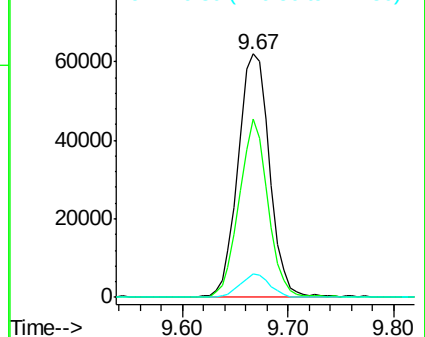
83 100

85 73.4 52.8 79.2

127 9.7 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: 20.68 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

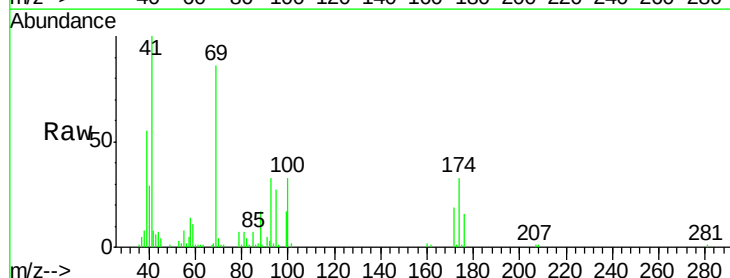
Tgt Ion: 41 Resp: 45303

Ion Ratio Lower Upper

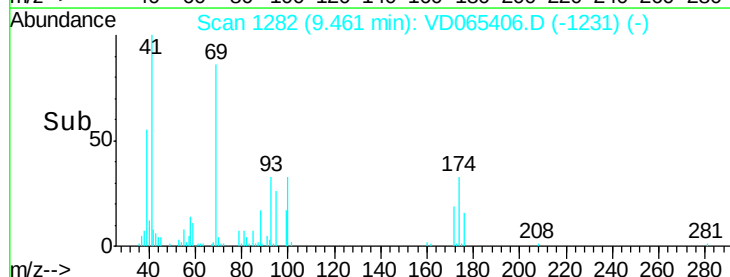
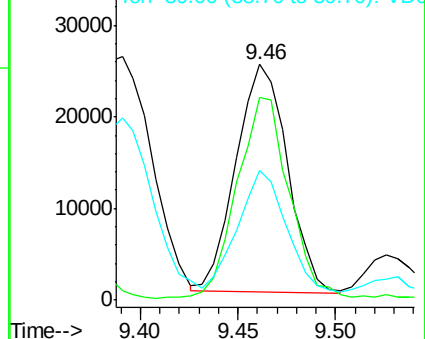
41 100

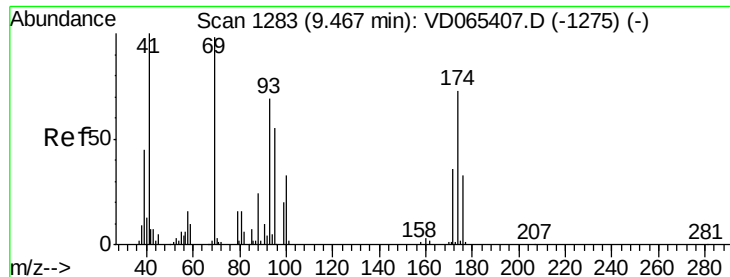
69 89.1 72.5 108.7

39 58.5 41.6 62.4



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

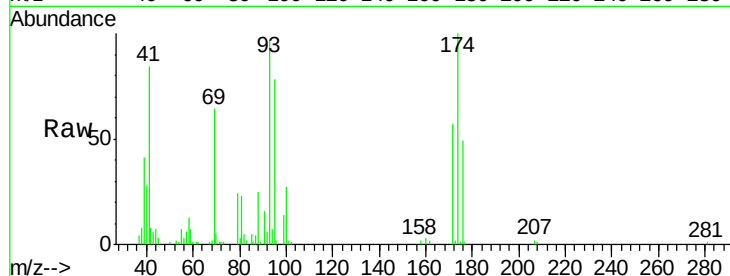




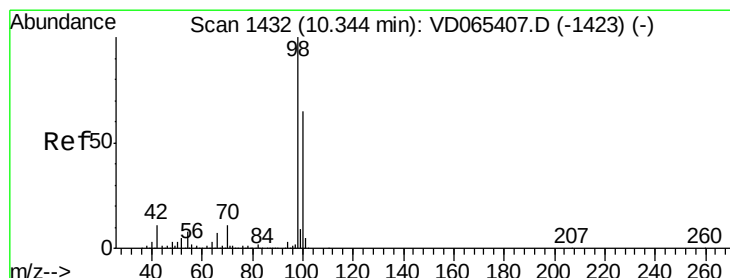
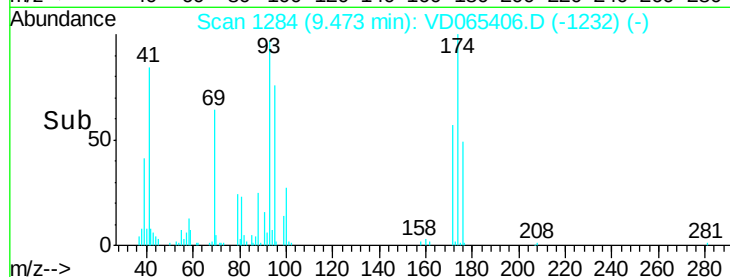
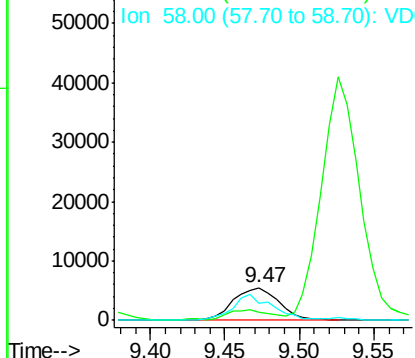
#49
1,4-Dioxane
Concen: 435.83 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 11481
Ion Ratio Lower Upper
88 100
43 33.3 24.5 36.7
58 70.5 54.5 81.7

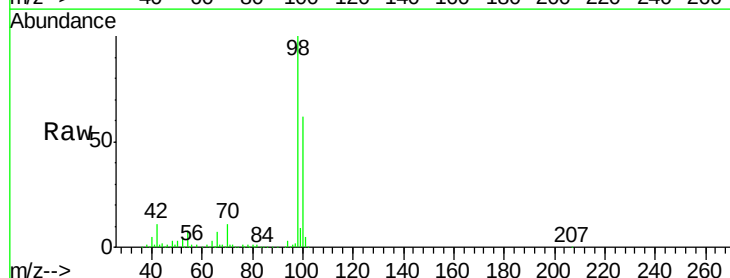


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

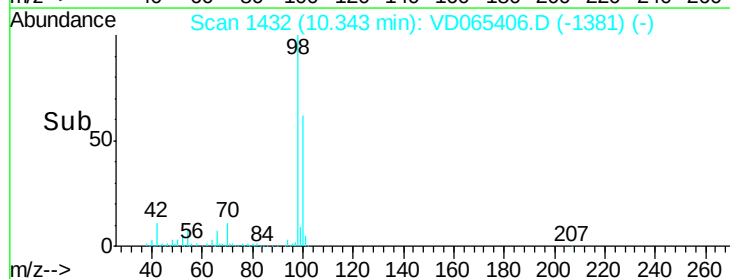
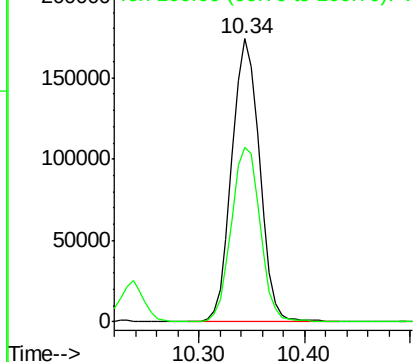


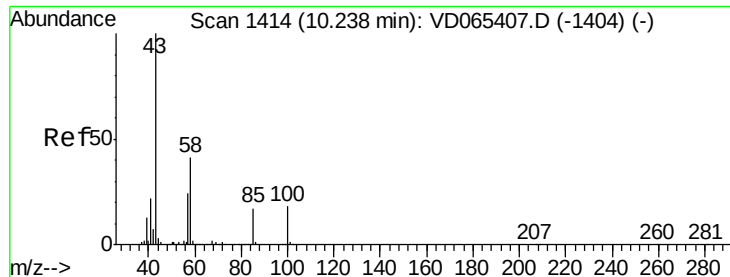
#50
Toluene-d8
Concen: 19.75 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 98 Resp: 316077
Ion Ratio Lower Upper
98 100
100 63.6 52.8 79.2



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

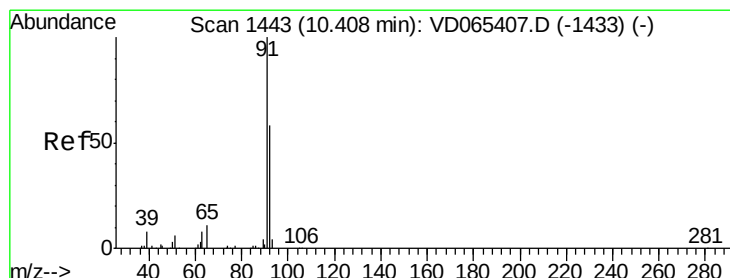
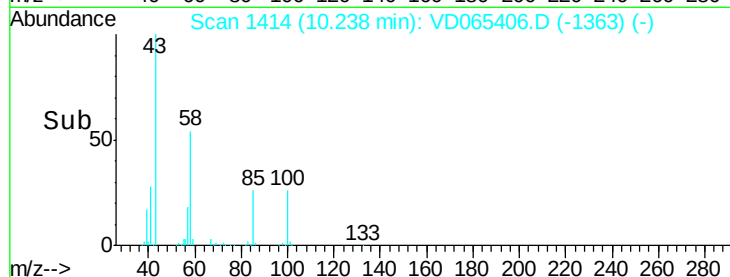
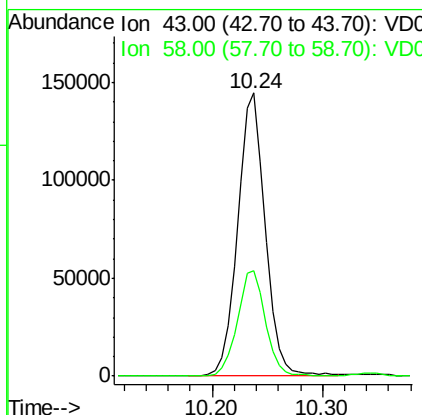
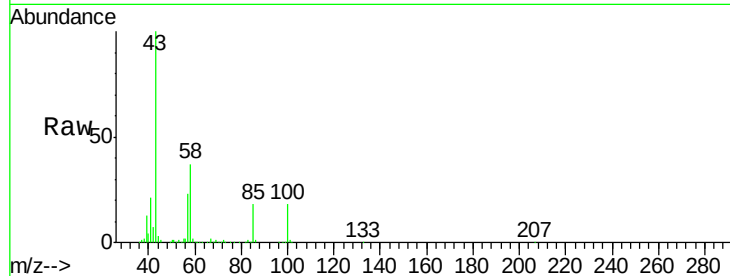




#51
 4-Methyl-2-Pentanone
 Concen: 108.18 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

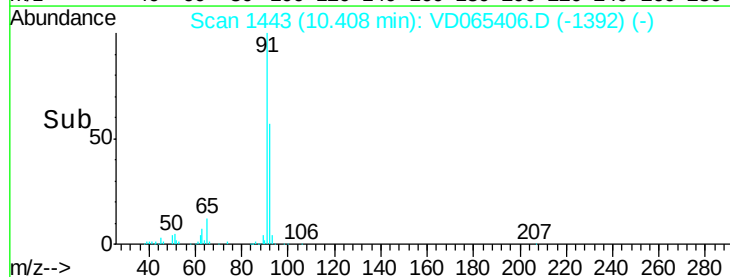
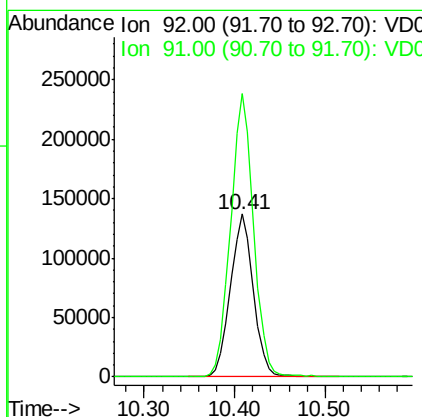
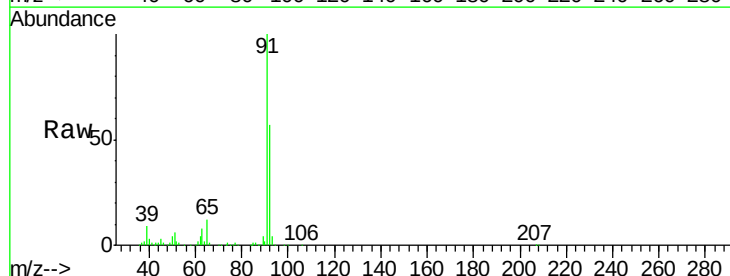
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

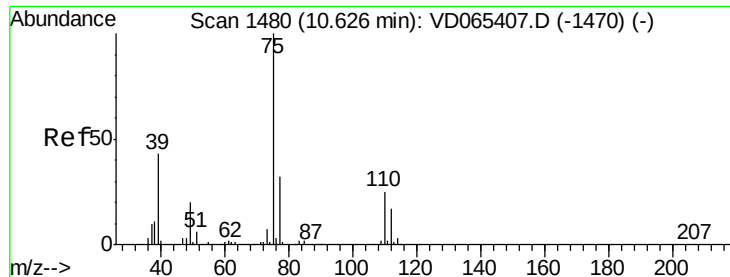
Tgt Ion: 43 Resp: 253359
 Ion Ratio Lower Upper
 43 100
 58 37.8 31.8 47.6



#52
 Toluene
 Concen: 21.18 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion: 92 Resp: 242043
 Ion Ratio Lower Upper
 92 100
 91 173.7 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 21.42 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

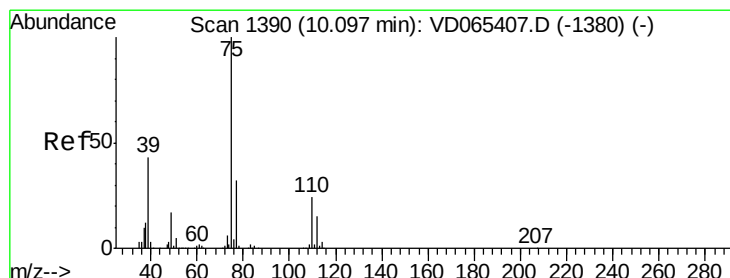
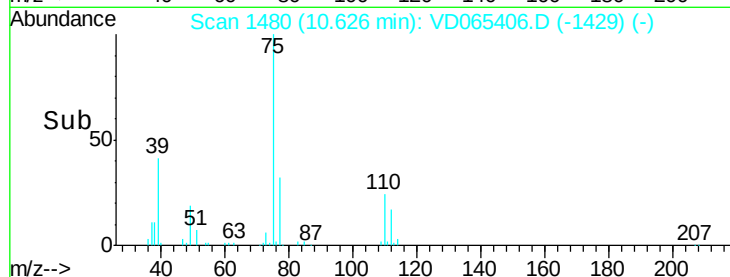
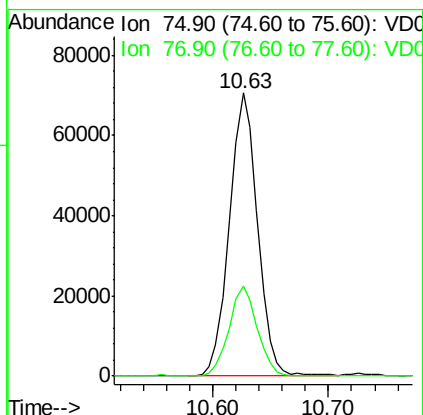
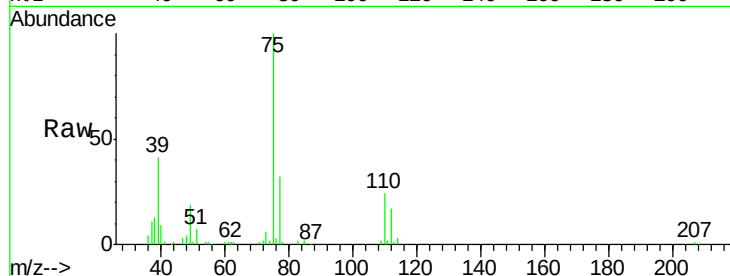
VSTDIC020

Tgt Ion: 75 Resp: 119719

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.48 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

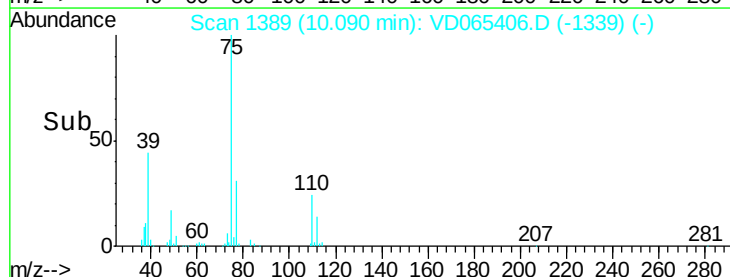
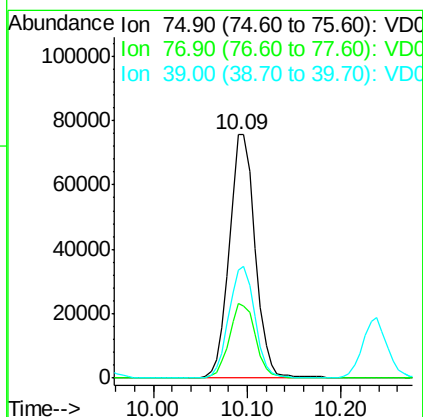
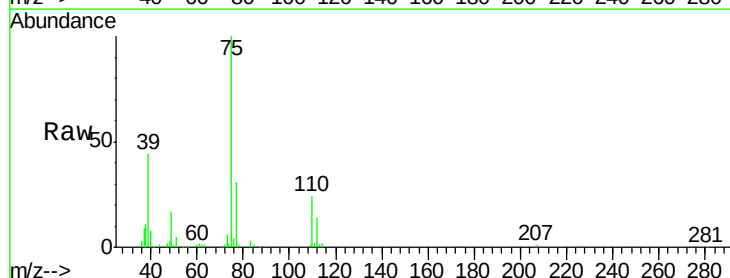
Tgt Ion: 75 Resp: 145024

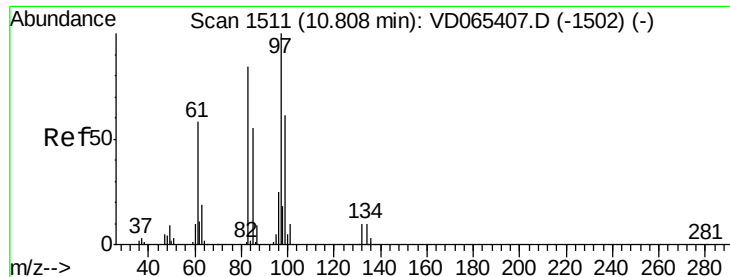
Ion Ratio Lower Upper

75 100

77 30.6 25.3 37.9

39 44.2 34.6 52.0

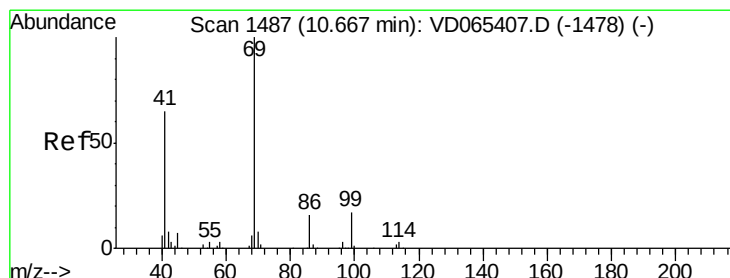
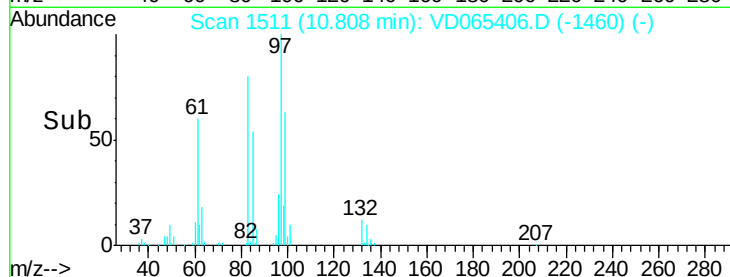
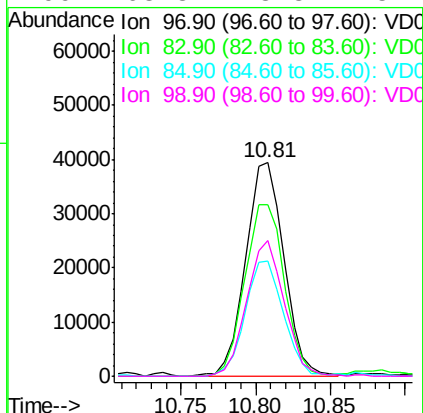
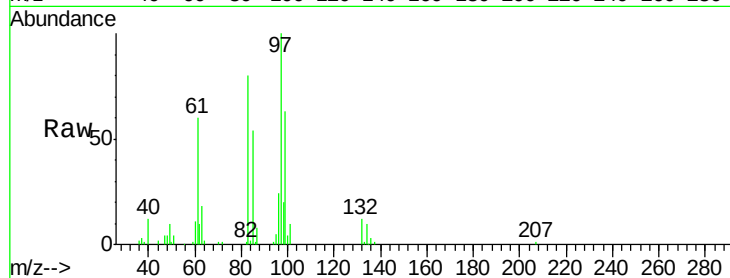




#55
 1,1,2-Trichloroethane
 Concen: 21.61 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

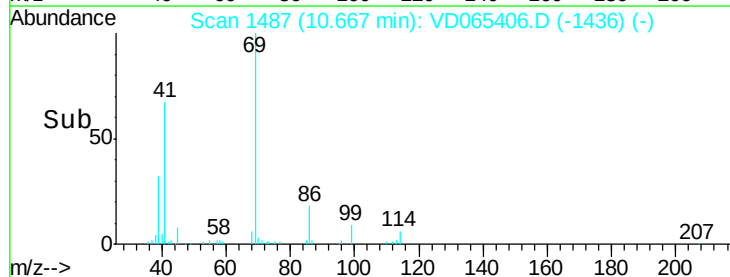
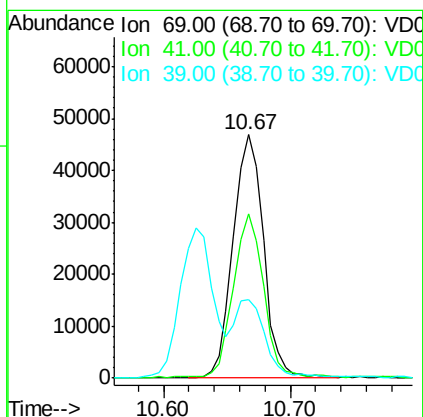
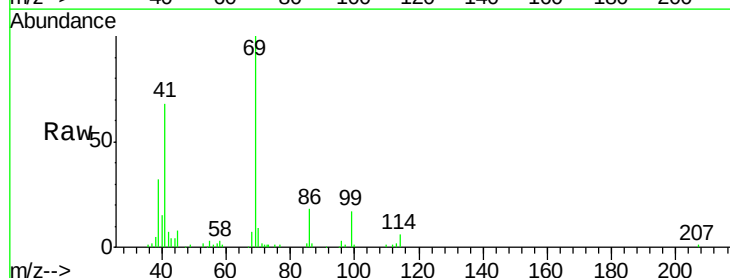
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

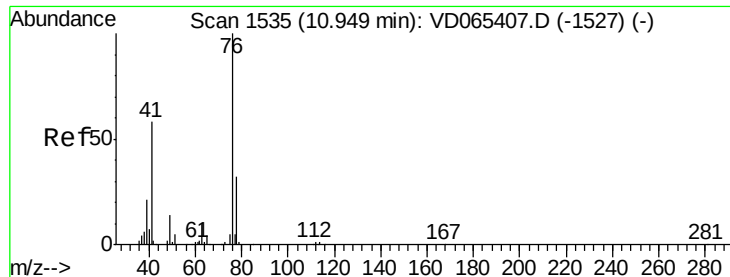
Tgt Ion: 97 Resp: 69952
 Ion Ratio Lower Upper
 97 100
 83 80.4 67.4 101.0
 85 53.7 43.8 65.8
 99 63.3 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 21.27 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion: 69 Resp: 78032
 Ion Ratio Lower Upper
 69 100
 41 67.4 53.0 79.6
 39 32.0 26.0 39.0





#57

1,3-Dichloropropane

Concen: 21.69 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

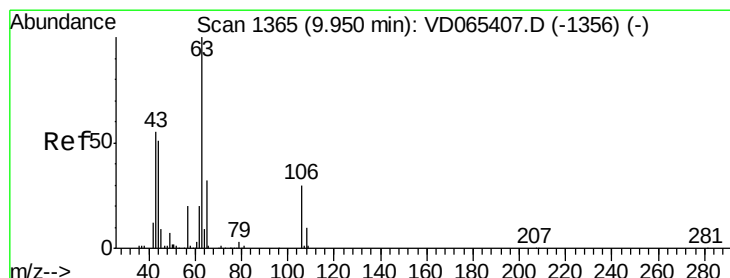
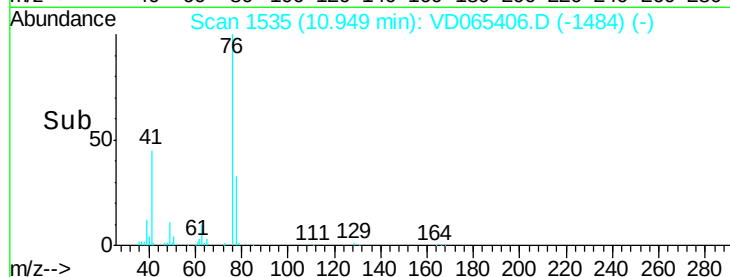
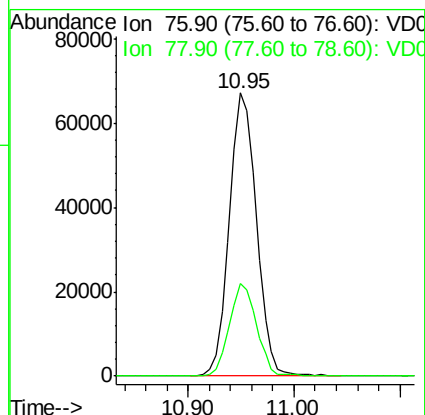
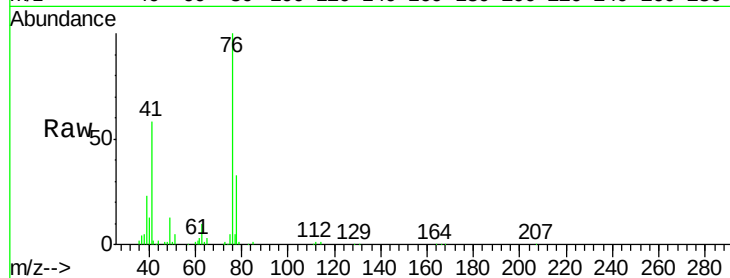
VSTDIC020

Tgt Ion: 76 Resp: 119151

Ion Ratio Lower Upper

76 100

78 32.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 153.38 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065406.D

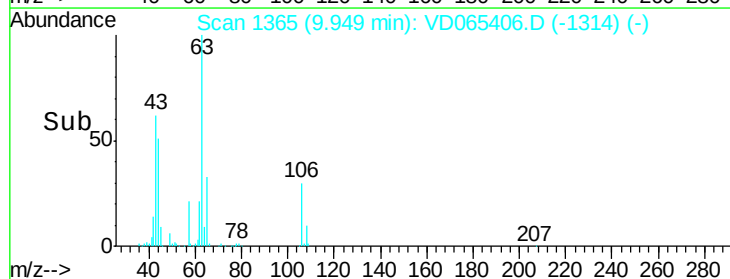
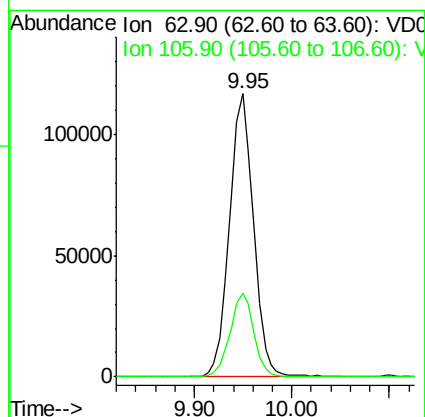
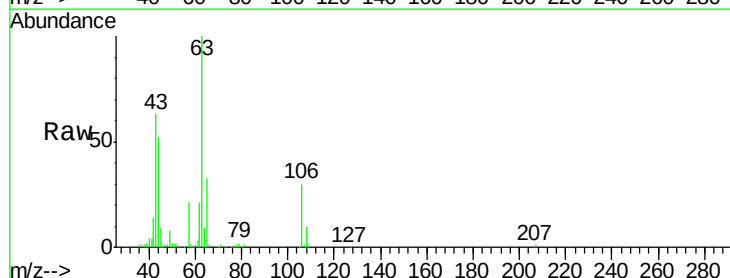
Acq: 04 Mar 2020 11:32

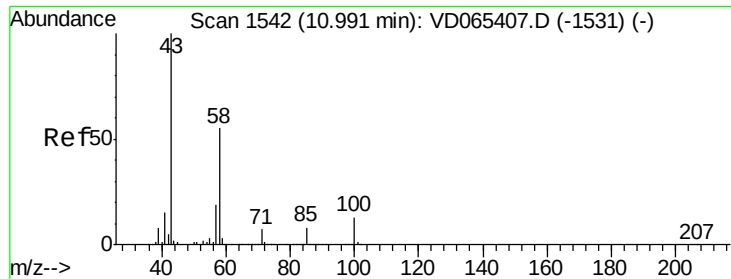
Tgt Ion: 63 Resp: 200081

Ion Ratio Lower Upper

63 100

106 29.3 23.3 34.9

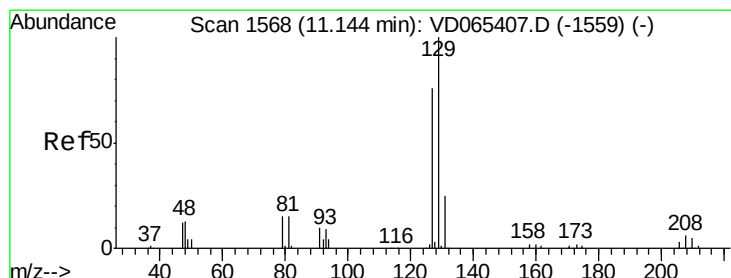
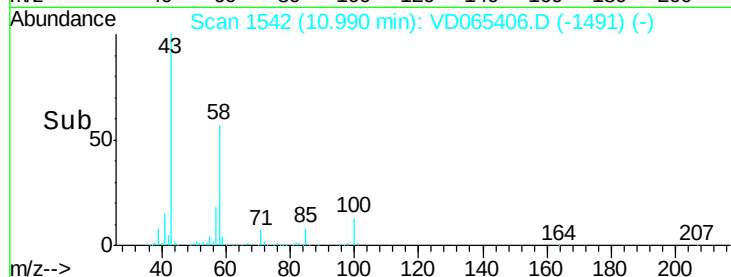
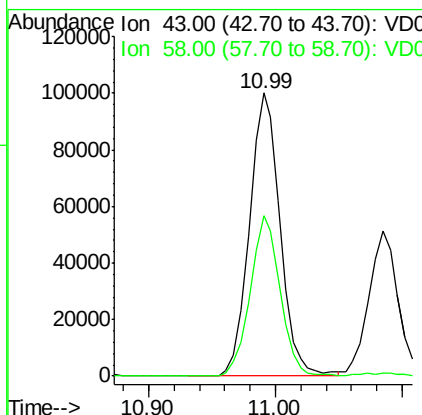
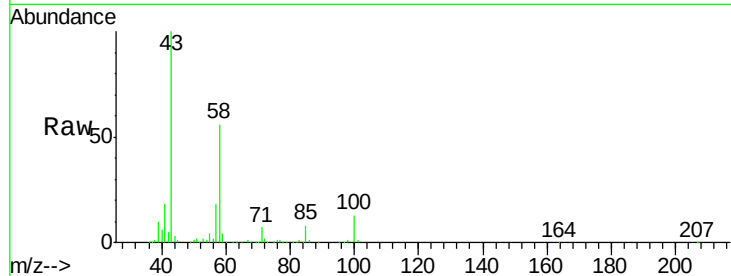




#59
2-Hexanone
Concen: 103.73 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

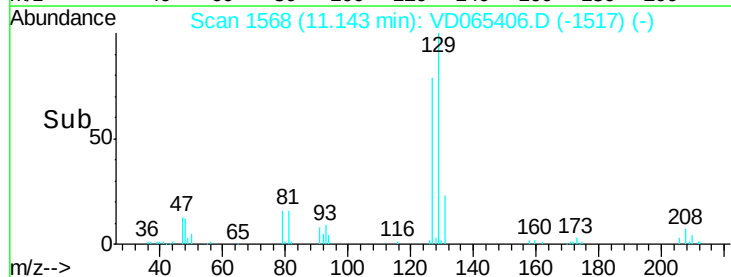
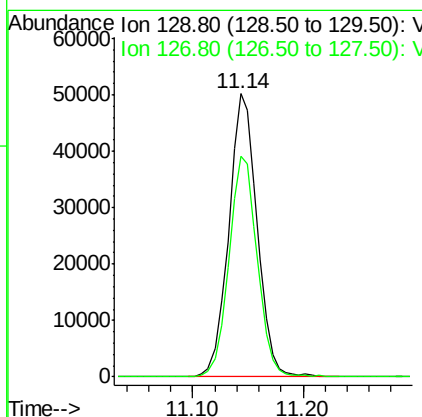
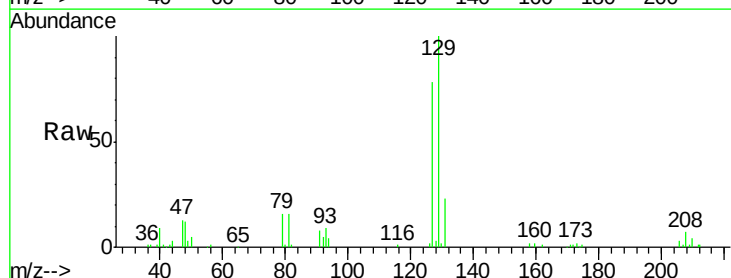
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

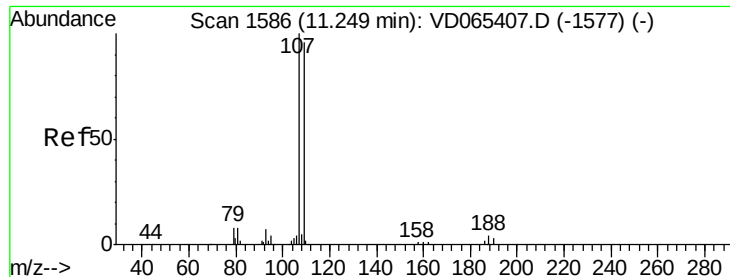
Tgt Ion: 43 Resp: 168415
Ion Ratio Lower Upper
43 100
58 55.7 27.4 82.2



#60
Dibromochloromethane
Concen: 21.68 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 129 Resp: 90344
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5

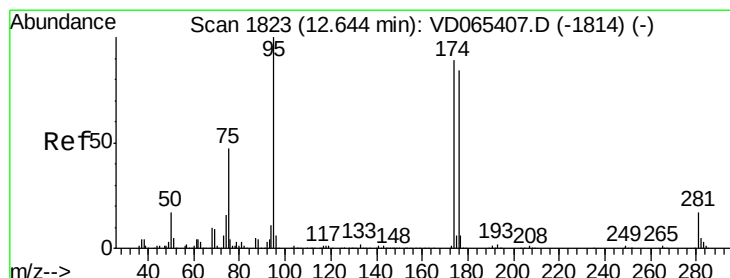
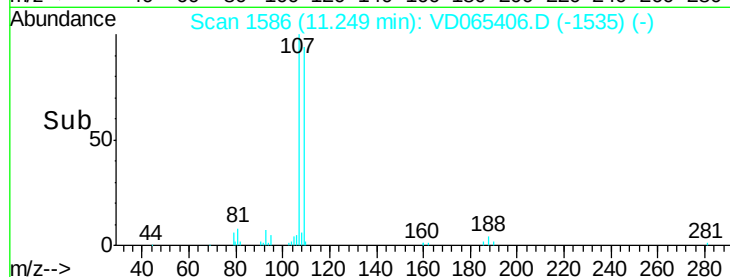
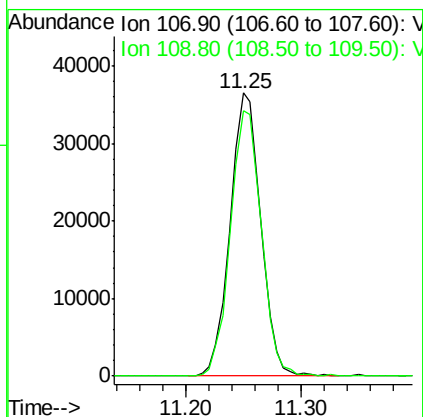
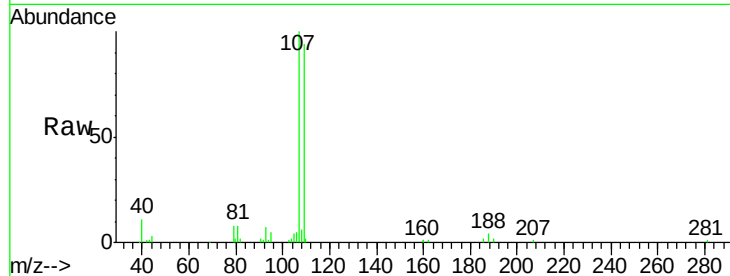




#61
 1,2-Dibromoethane
 Concen: 21.72 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

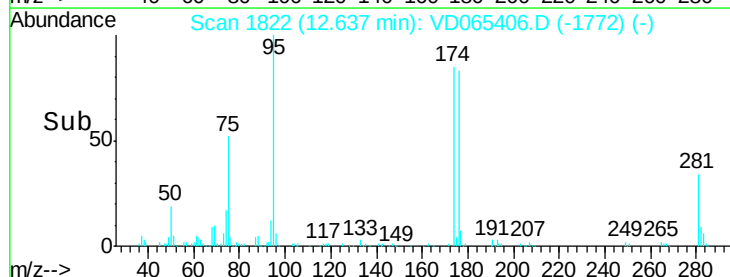
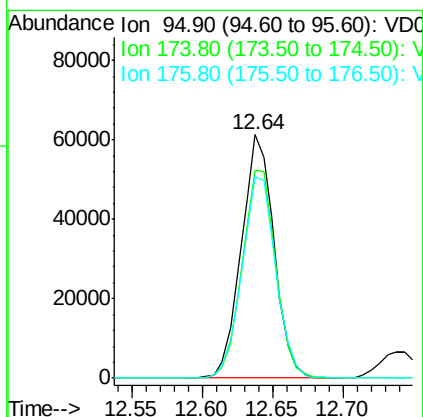
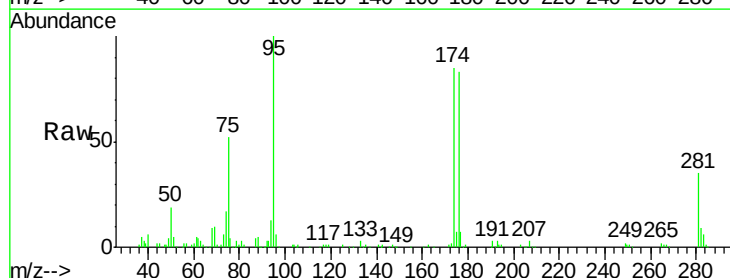
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

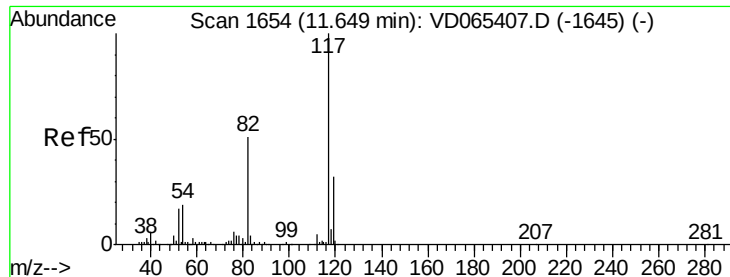
Tgt Ion: 107 Resp: 67152
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 19.85 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion: 95 Resp: 99304
 Ion Ratio Lower Upper
 95 100
 174 88.1 0.0 176.8
 176 86.0 0.0 171.4

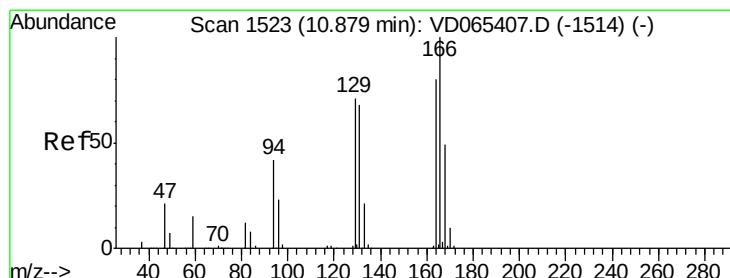
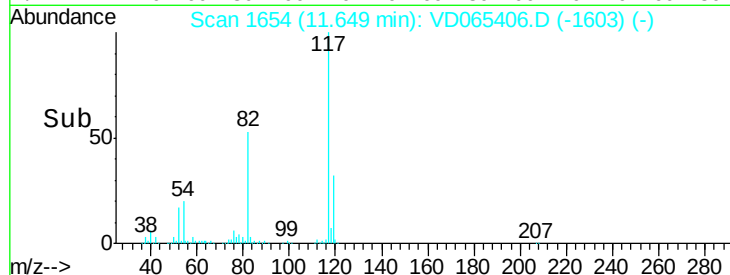
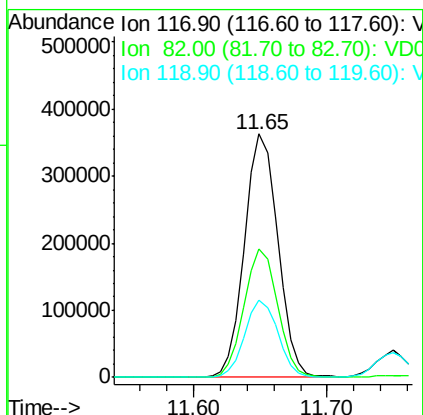
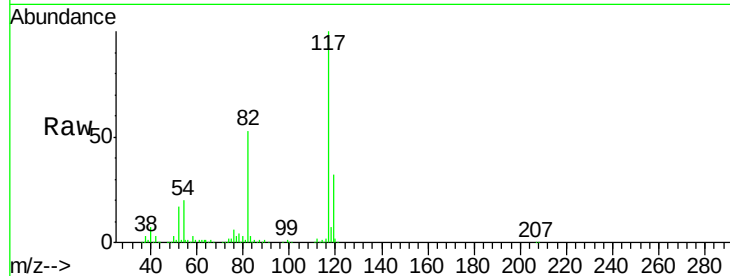




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

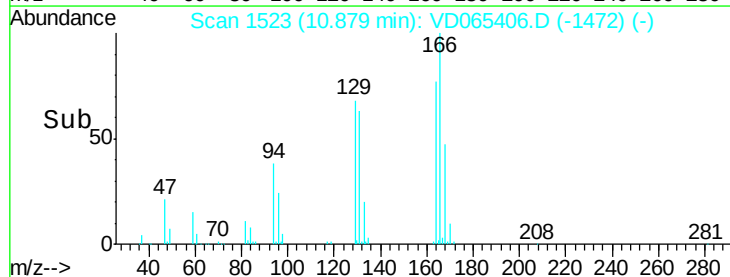
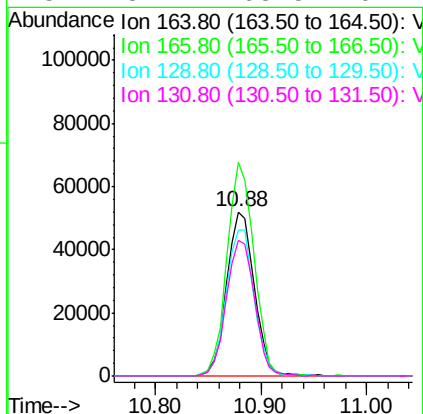
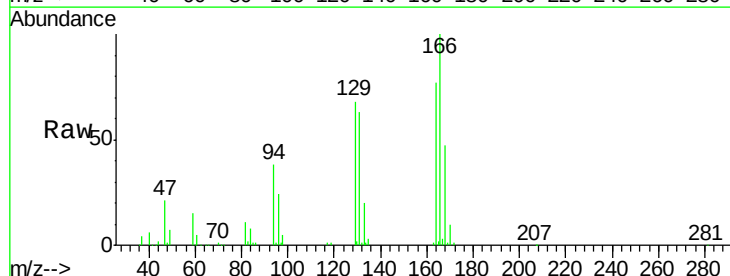
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

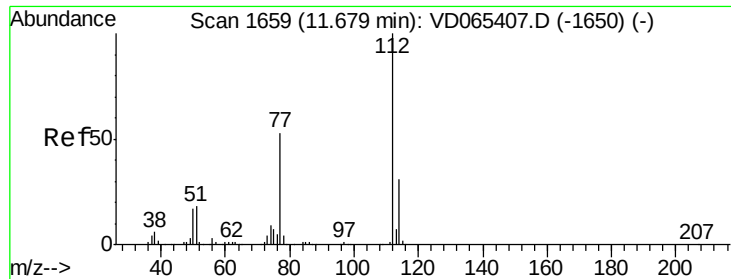
Tgt Ion:117 Resp: 629251
Ion Ratio Lower Upper
117 100
82 52.8 40.6 60.8
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 20.62 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion:164 Resp: 93192
Ion Ratio Lower Upper
164 100
166 130.3 100.5 150.7
129 88.9 71.5 107.3
131 82.4 68.5 102.7

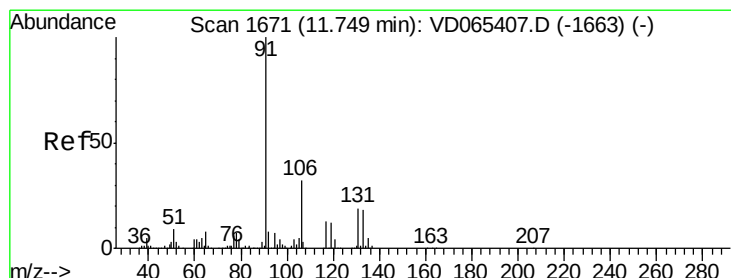
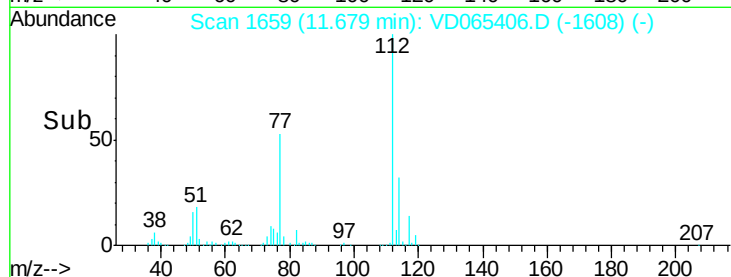
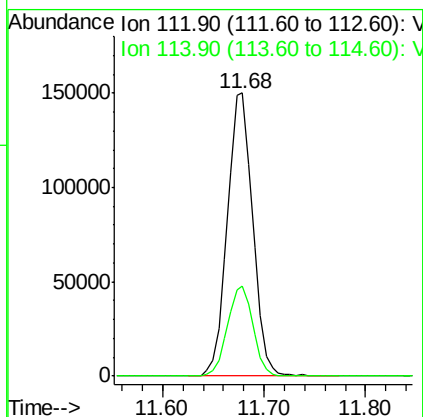
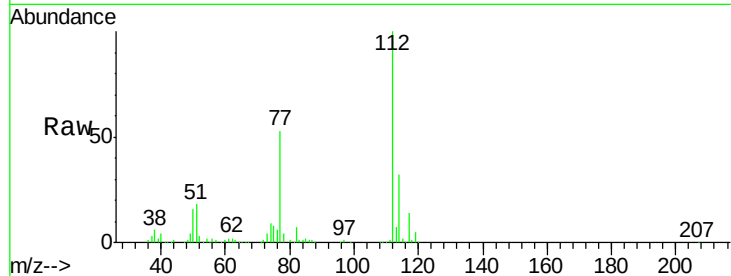




#65
Chlorobenzene
Concen: 20.82 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

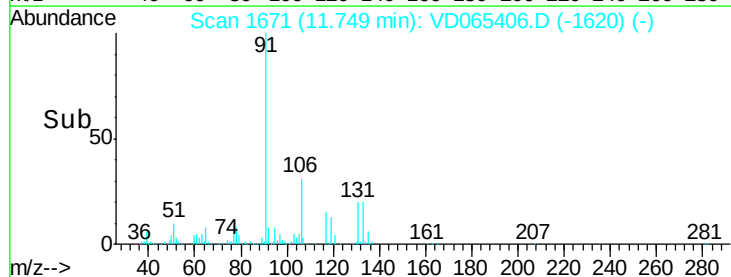
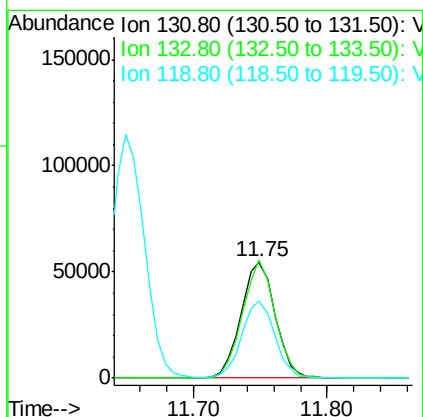
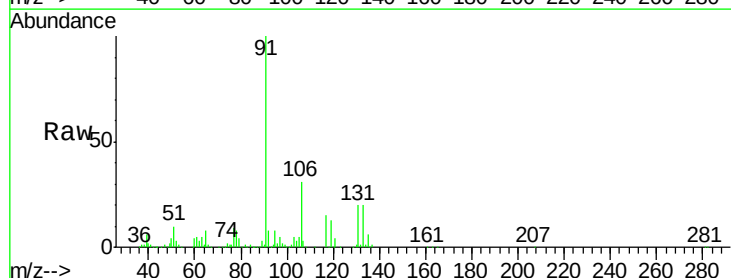
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

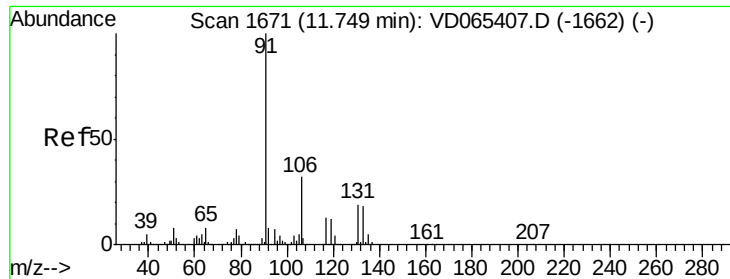
Tgt Ion:112 Resp: 260678
Ion Ratio Lower Upper
112 100
114 32.0 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.04 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion:131 Resp: 96160
Ion Ratio Lower Upper
131 100
133 96.5 49.2 147.6
119 65.1 33.3 99.8





#67

Ethyl Benzene

Concen: 20.57 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

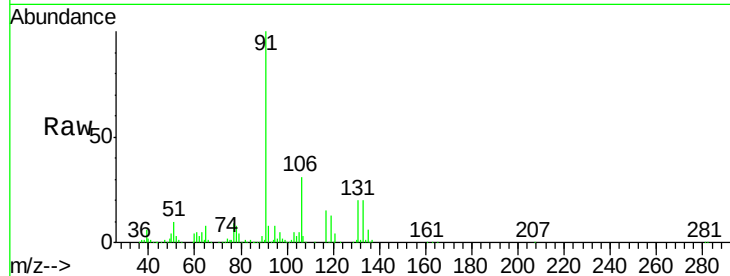
VSTDIC020

Tgt Ion: 91 Resp: 443867

Ion Ratio Lower Upper

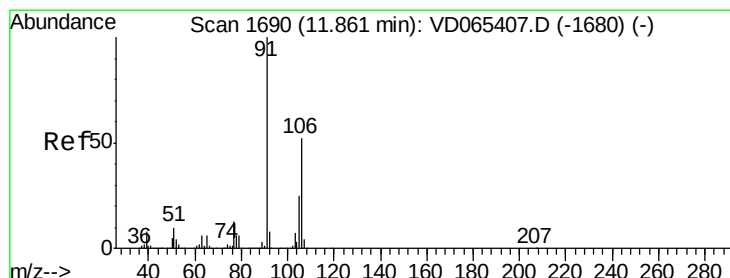
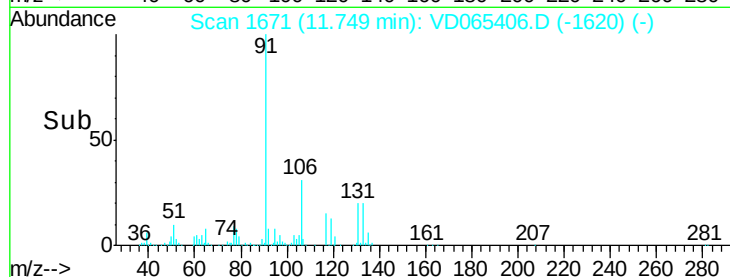
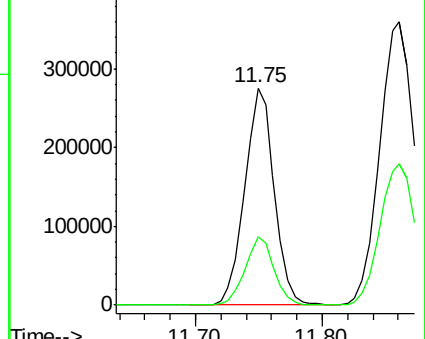
91 100

106 31.4 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 41.91 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065406.D

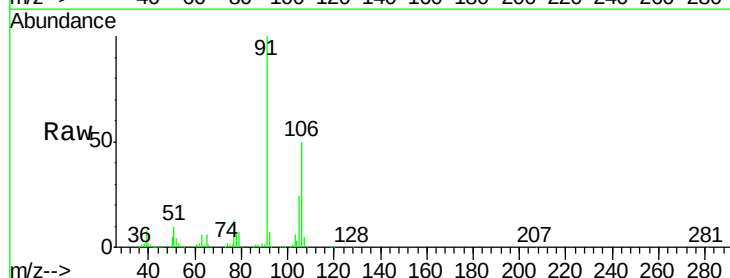
Acq: 04 Mar 2020 11:32

Tgt Ion: 106 Resp: 348693

Ion Ratio Lower Upper

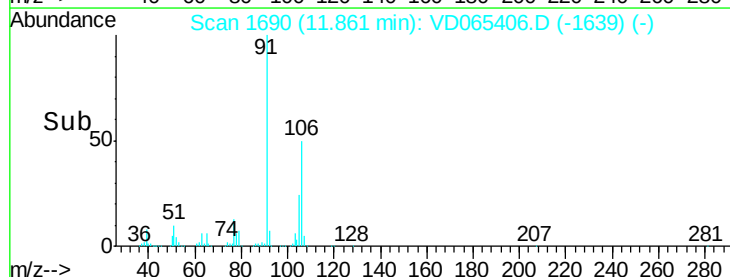
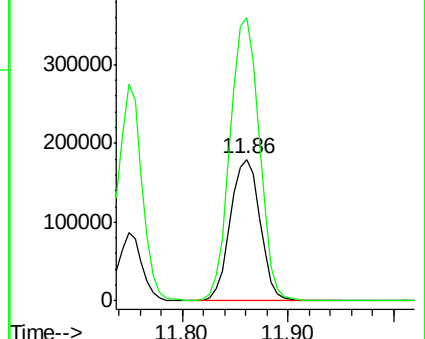
106 100

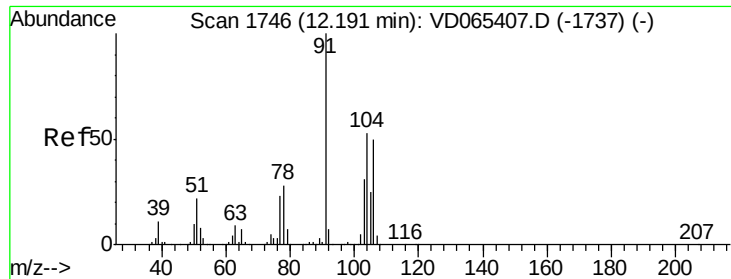
91 198.1 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

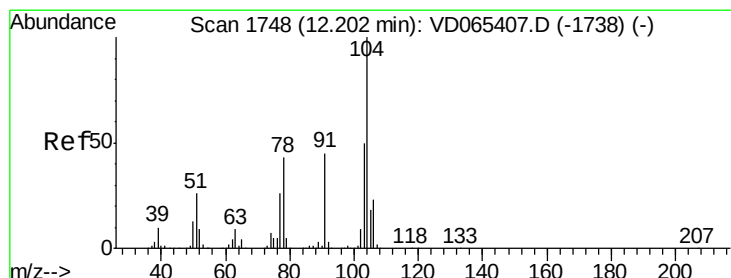
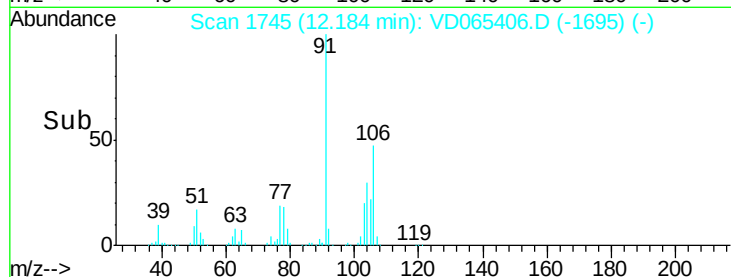
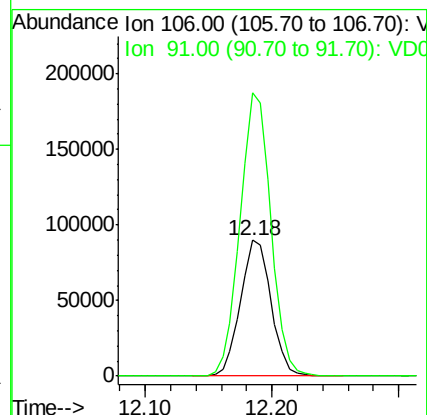
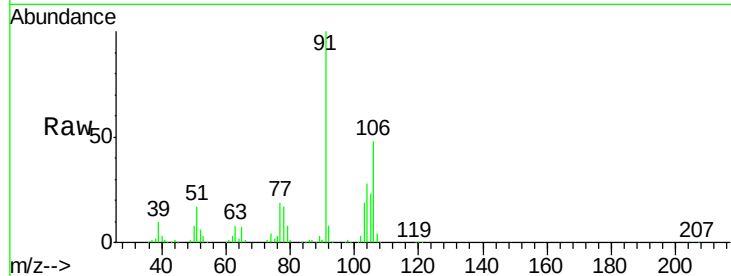




#69
o-Xylene
Concen: 20.50 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

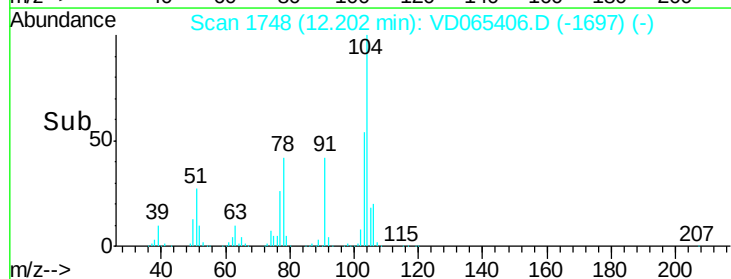
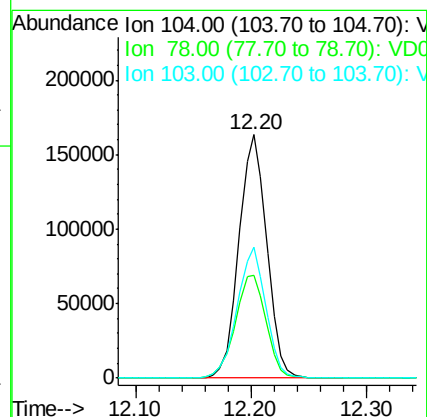
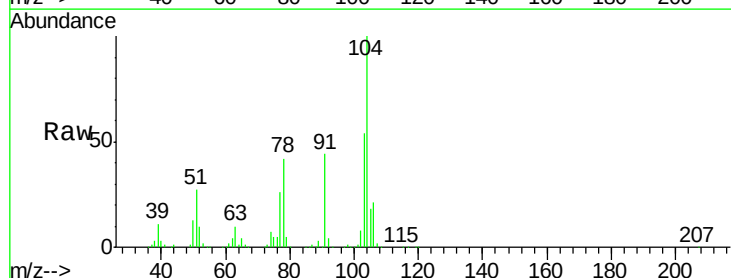
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

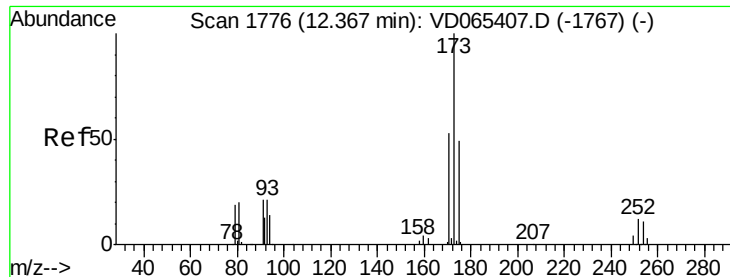
Tgt Ion:106 Resp: 149990
Ion Ratio Lower Upper
106 100
91 210.8 103.5 310.3



#70
Styrene
Concen: 21.17 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion:104 Resp: 273192
Ion Ratio Lower Upper
104 100
78 46.7 37.7 56.5
103 55.4 43.6 65.4





#71

Bromoform

Concen: 20.98 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

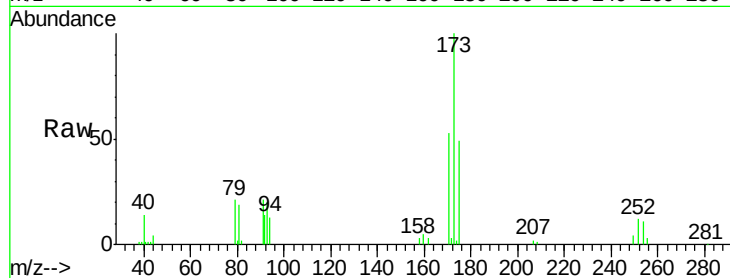
Tgt Ion:173 Resp: 54086

Ion Ratio Lower Upper

173 100

175 48.8 24.3 73.0

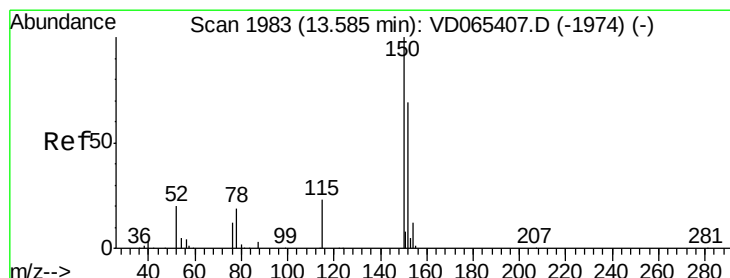
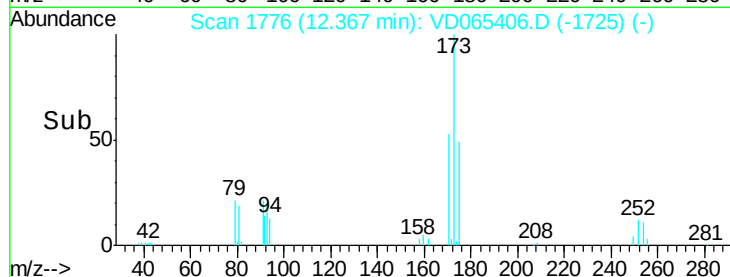
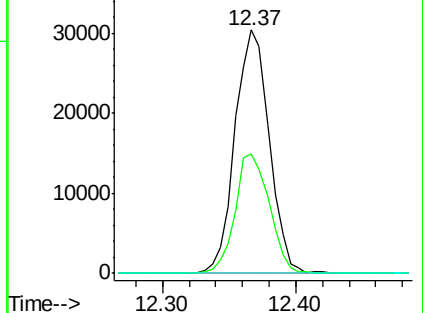
254 0.0 0.1 0.1#



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: VD065406.D

Acq: 04 Mar 2020 11:32

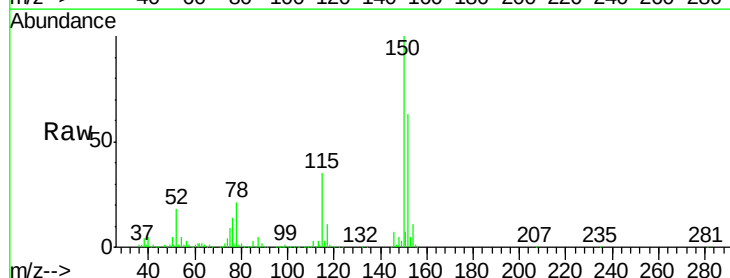
Tgt Ion:152 Resp: 313129

Ion Ratio Lower Upper

152 100

115 55.0 27.6 82.8

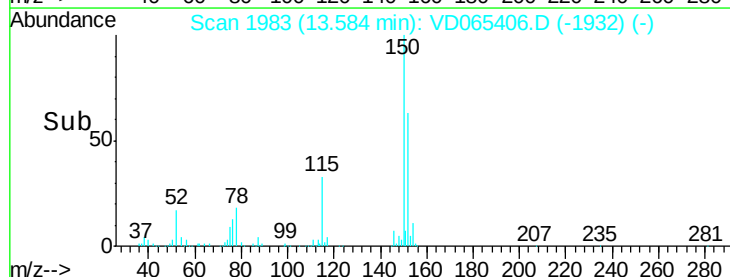
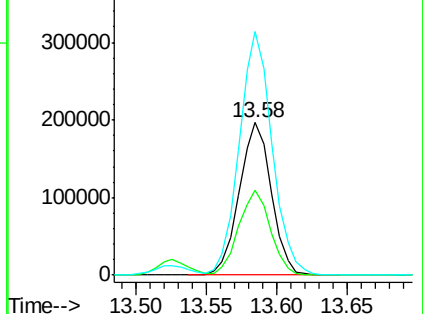
150 162.8 0.0 345.0

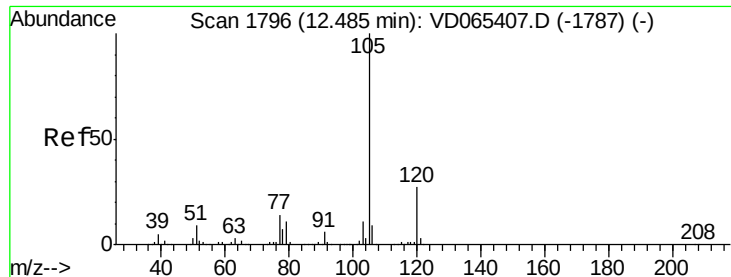


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.84 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

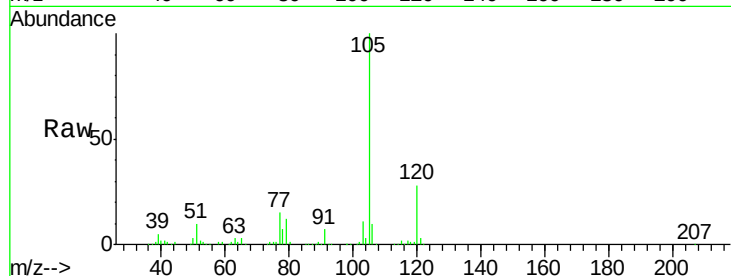
VSTDIC020

Tgt Ion: 105 Resp: 407995

Ion Ratio Lower Upper

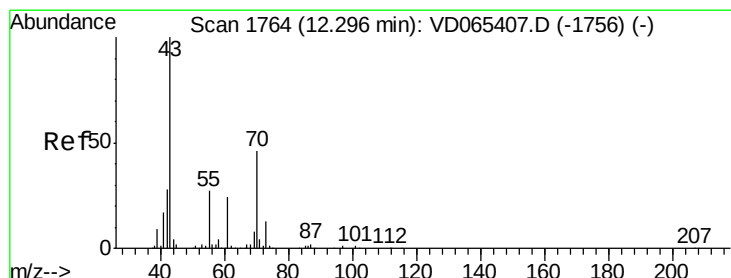
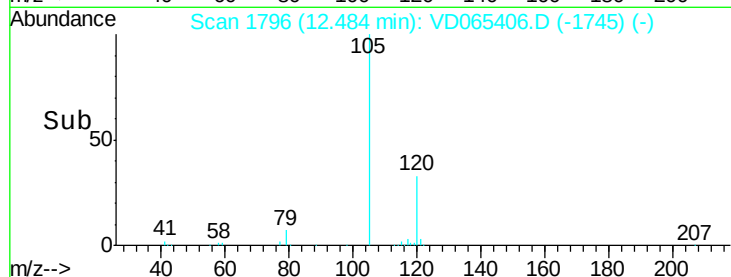
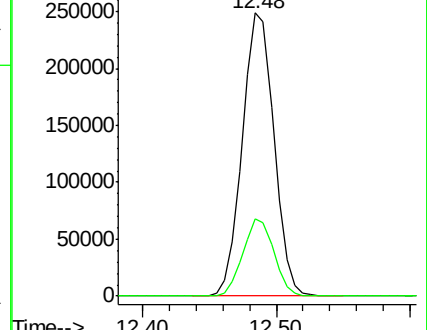
105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.07 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Tgt Ion: 43 Resp: 85249

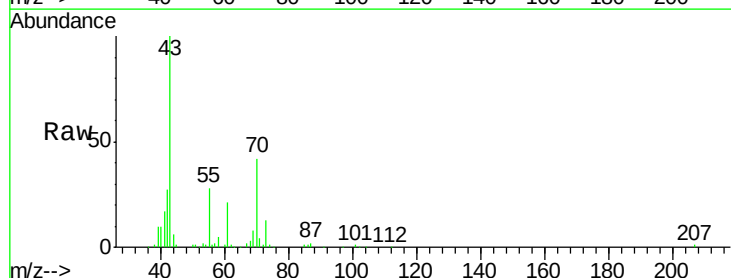
Ion Ratio Lower Upper

43 100

70 45.1 36.1 54.1

55 29.5 21.6 32.4

61 24.1 19.6 29.4

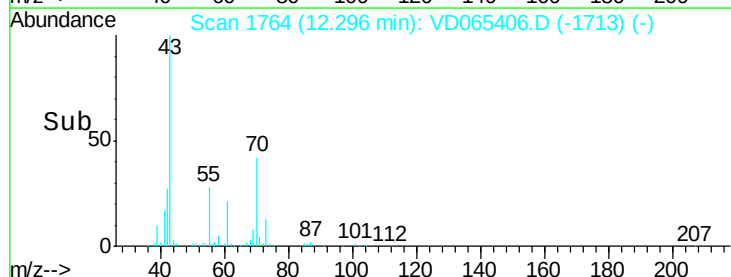
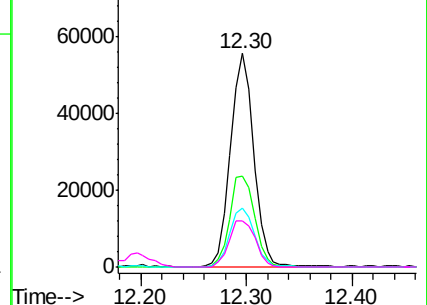


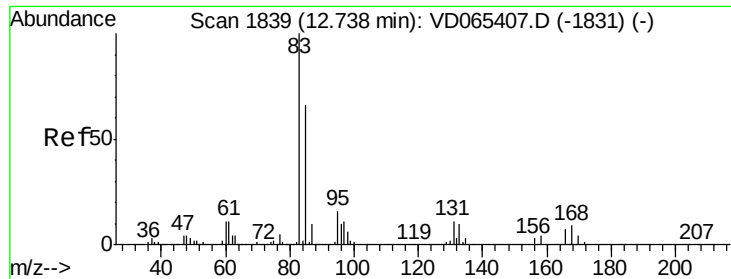
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.06 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

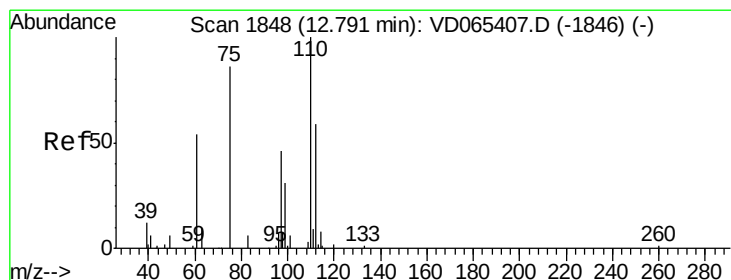
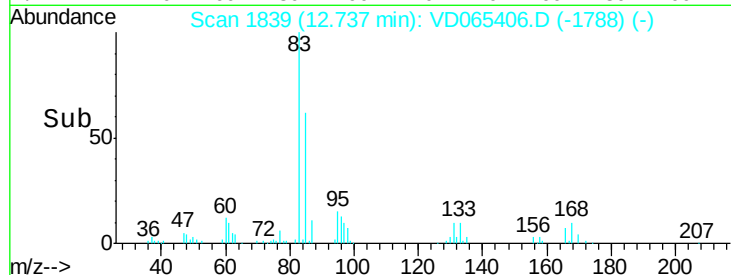
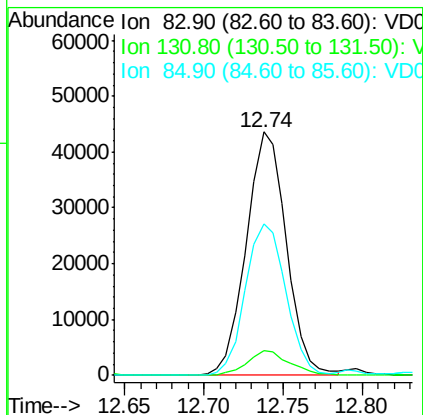
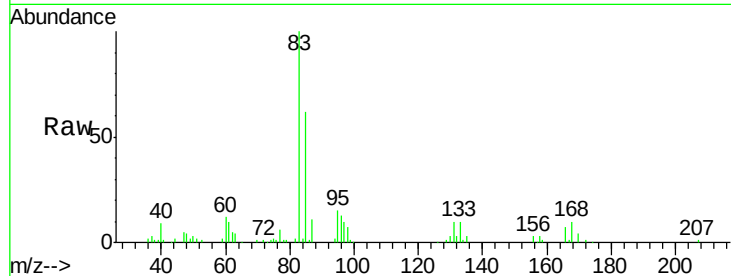
Tgt Ion: 83 Resp: 76819

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

85 62.7 33.0 98.9



#76

1,2,3-Trichloropropane

Concen: 22.13 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065406.D

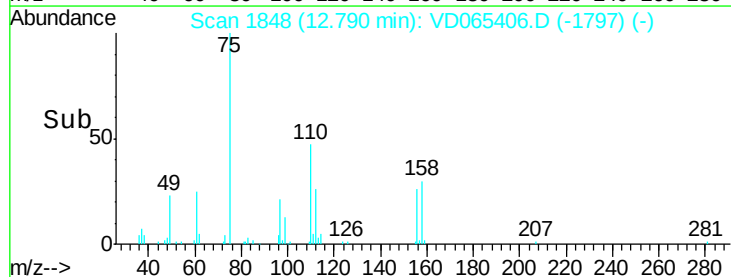
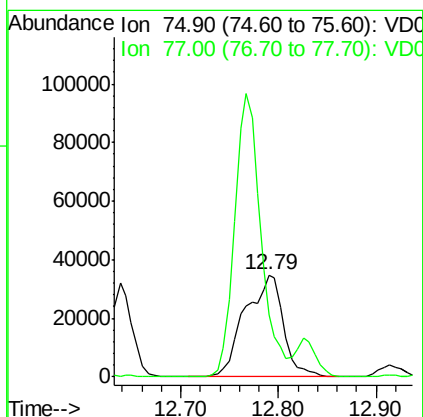
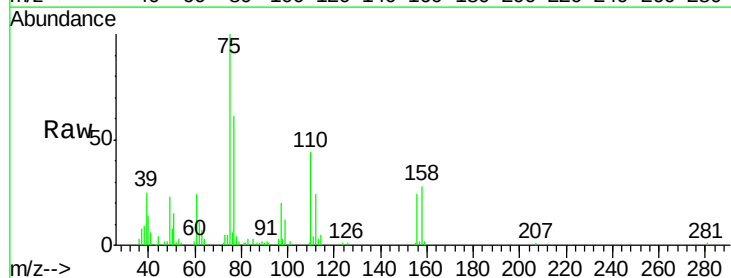
Acq: 04 Mar 2020 11:32

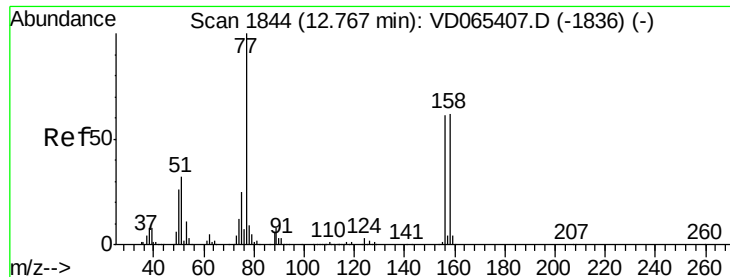
Tgt Ion: 75 Resp: 95713

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.28 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

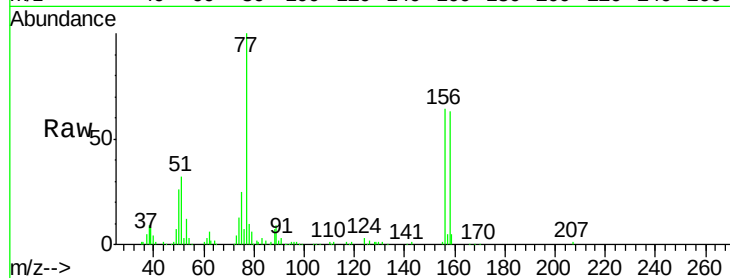
Tgt Ion:156 Resp: 104564

Ion Ratio Lower Upper

156 100

77 172.9 84.9 254.6

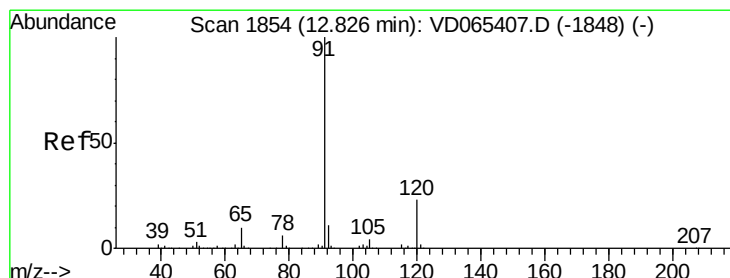
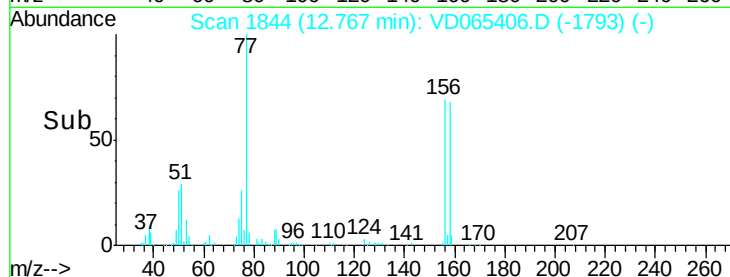
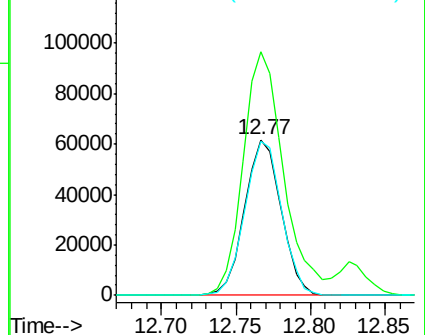
158 99.8 49.0 147.2



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: 20.44 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065406.D

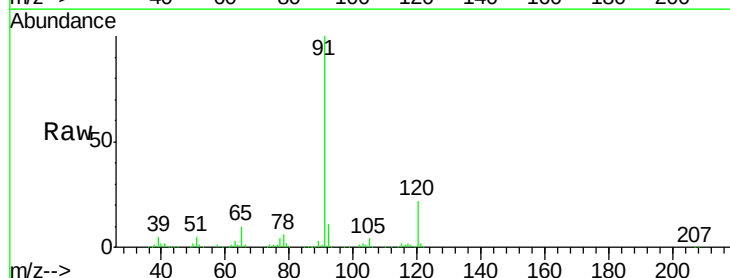
Acq: 04 Mar 2020 11:32

Tgt Ion: 91 Resp: 500261

Ion Ratio Lower Upper

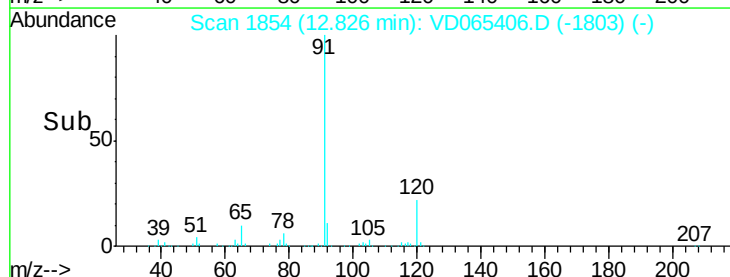
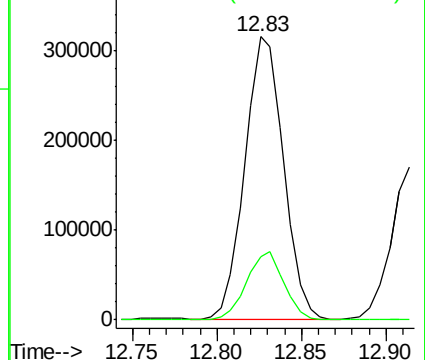
91 100

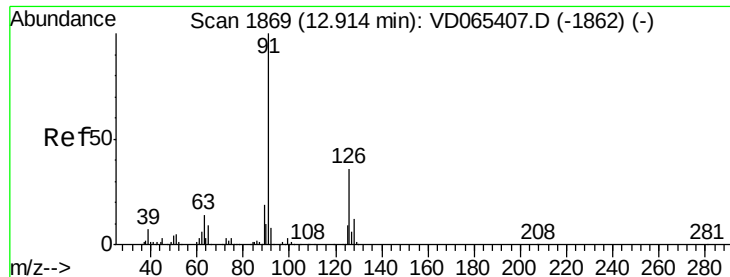
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.64 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

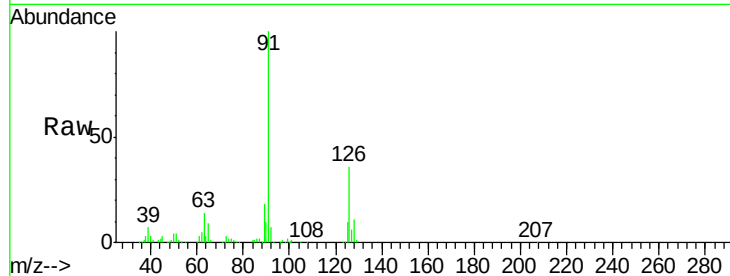
VSTDIC020

Tgt Ion: 91 Resp: 284138

Ion Ratio Lower Upper

91 100

126 34.9 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

250000

200000

150000

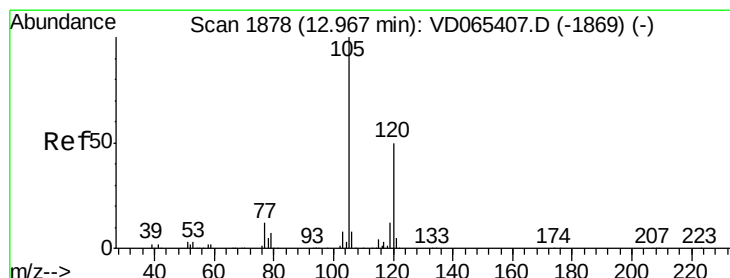
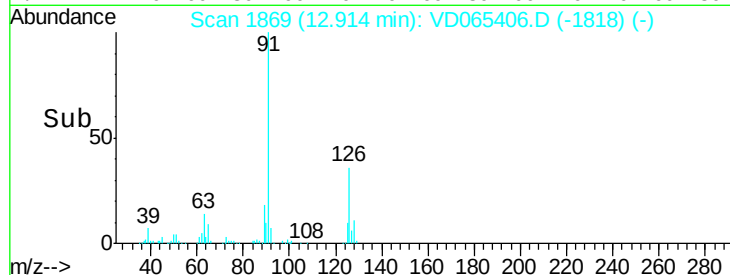
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.61 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065406.D

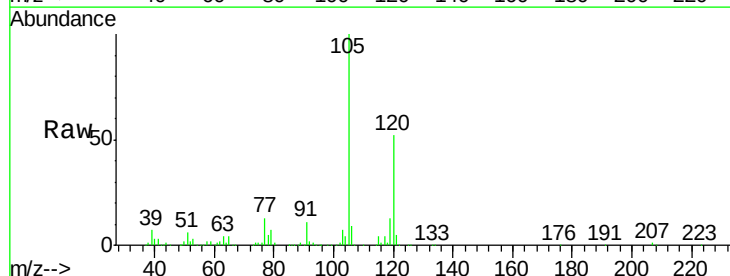
Acq: 04 Mar 2020 11:32

Tgt Ion: 105 Resp: 348890

Ion Ratio Lower Upper

105 100

120 51.6 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

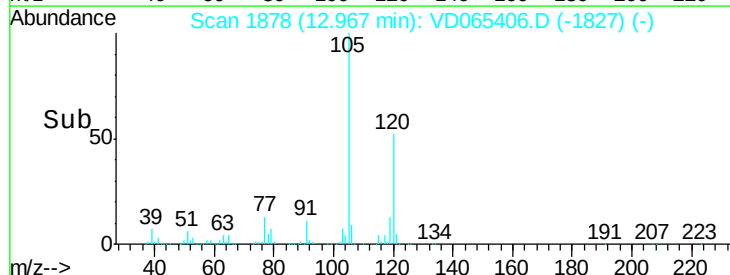
100000

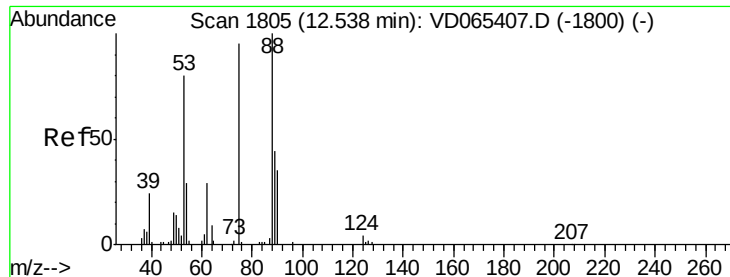
50000

0

12.90 13.00 13.10

Time-->

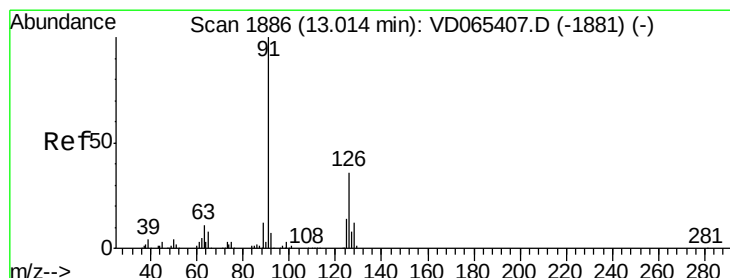
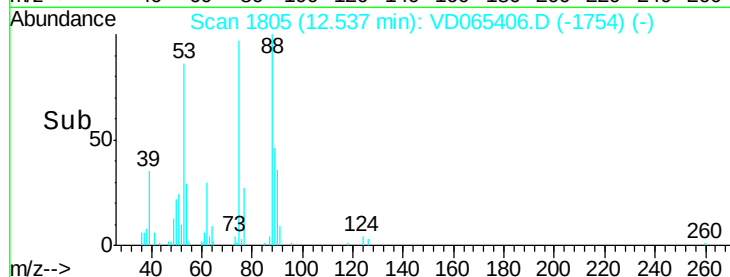
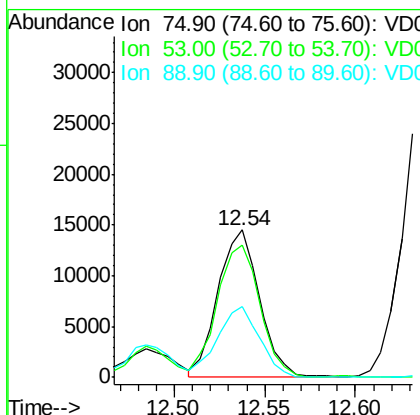
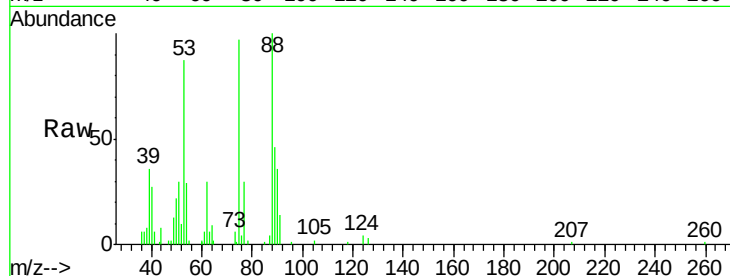




#81
trans-1,4-Dichloro-2-butene
Concen: 19.75 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

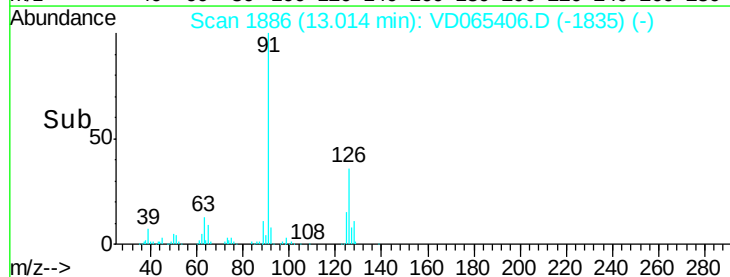
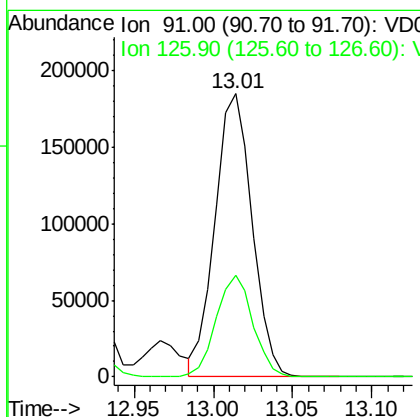
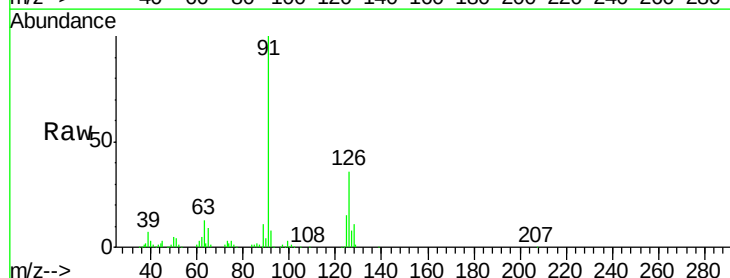
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

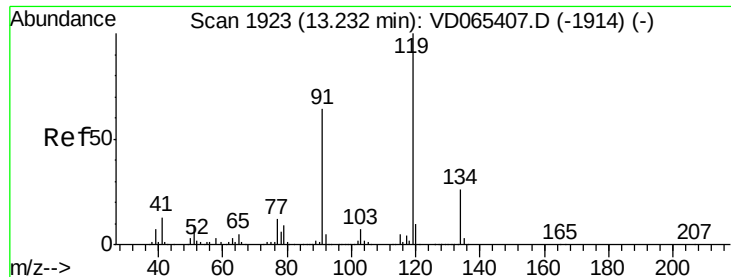
Tgt Ion: 75 Resp: 23179
Ion Ratio Lower Upper
75 100
53 92.1 71.3 106.9
89 48.4 37.0 55.6



#82
4-Chlorotoluene
Concen: 20.70 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 91 Resp: 300553
Ion Ratio Lower Upper
91 100
126 35.6 17.6 52.8

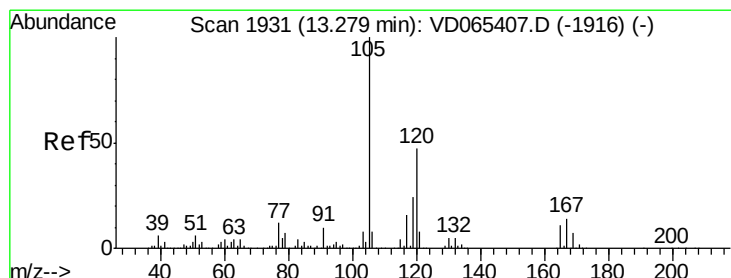
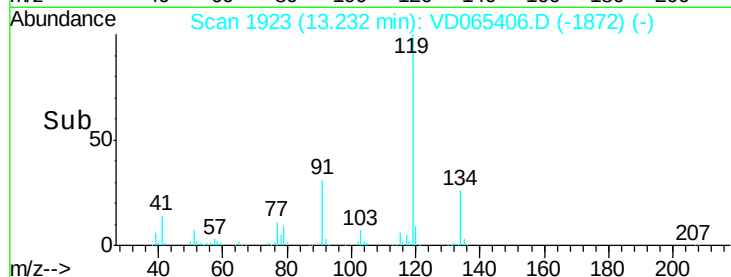
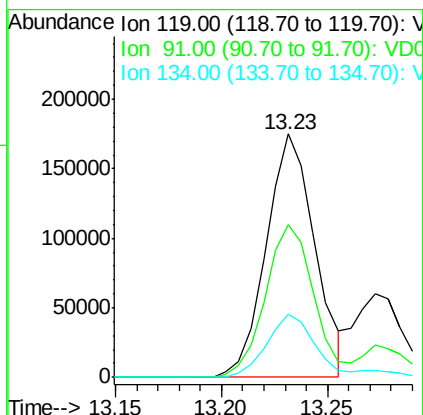
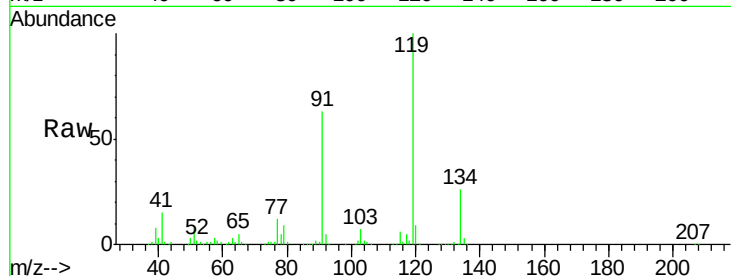




#83
 tert-Butylbenzene
 Concen: 19.50 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

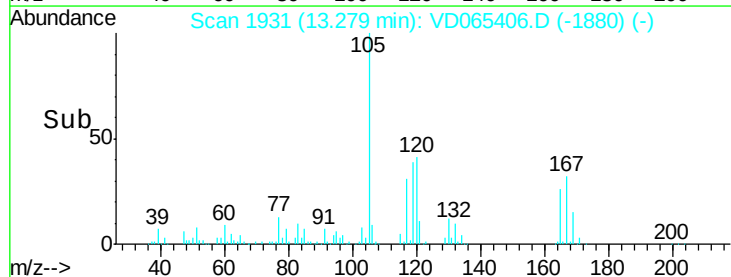
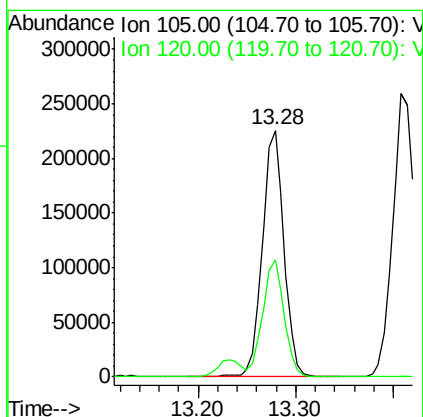
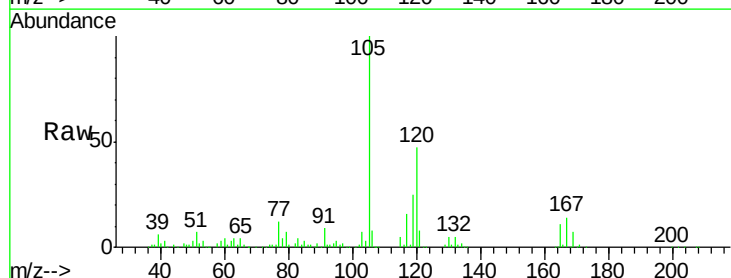
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

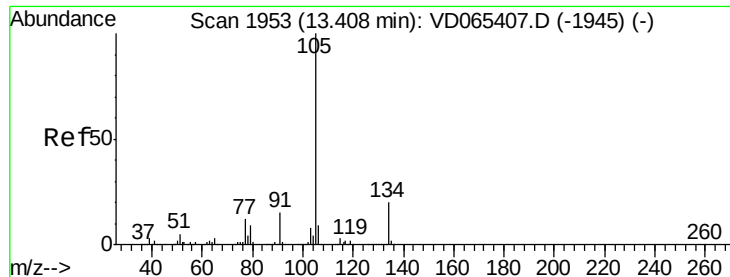
Tgt Ion:119 Resp: 278812
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.6 95.0
 134 25.5 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.98 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion:105 Resp: 350683
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.06 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

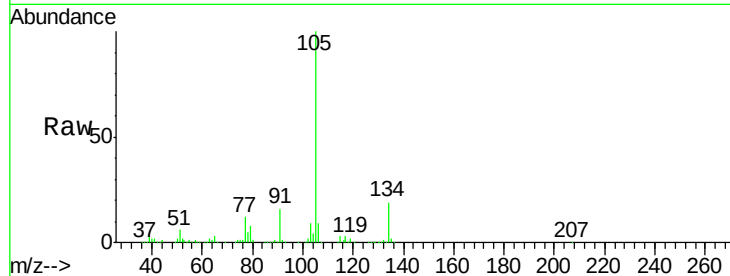
VSTDIC020

Tgt Ion:105 Resp: 409375

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

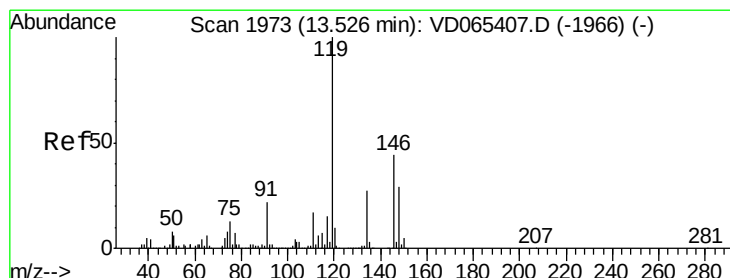
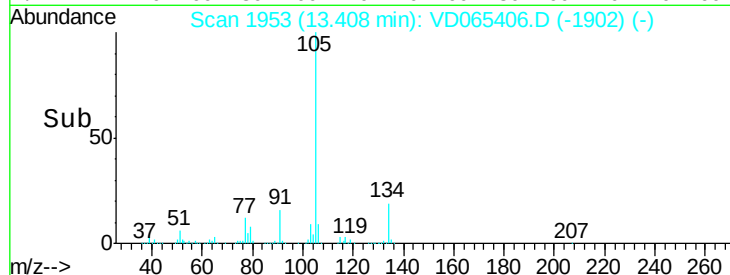
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.30 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065406.D

Acq: 04 Mar 2020 11:32

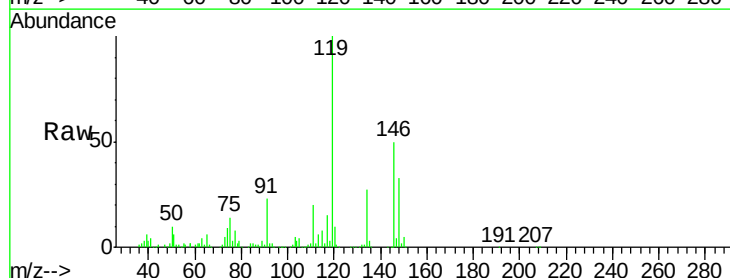
Tgt Ion:119 Resp: 378142

Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

91 22.4 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

13.53

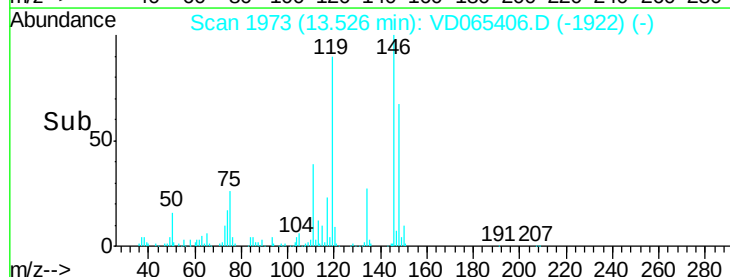
300000

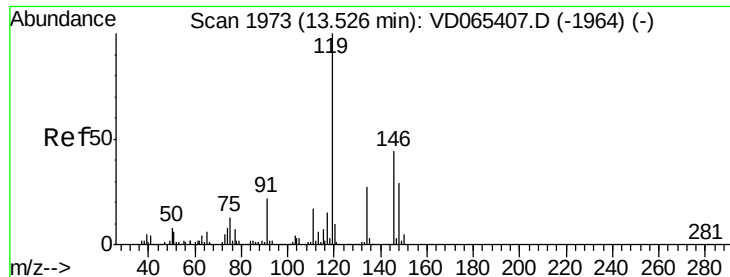
200000

100000

0

Time-->

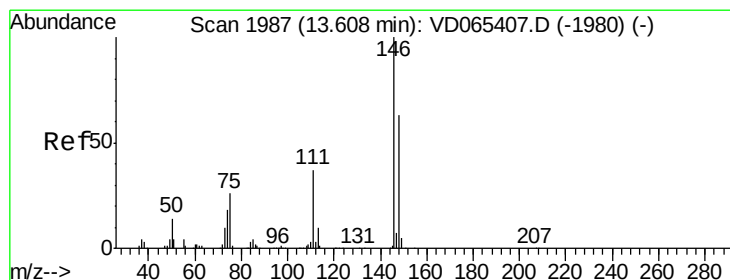
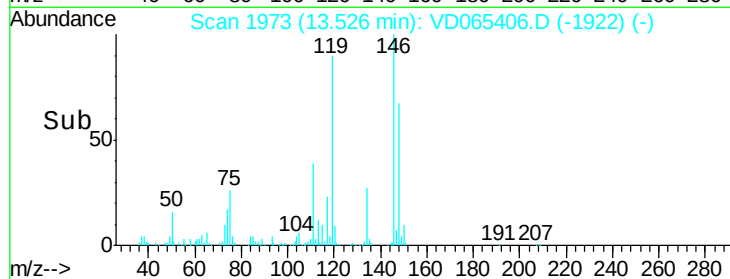
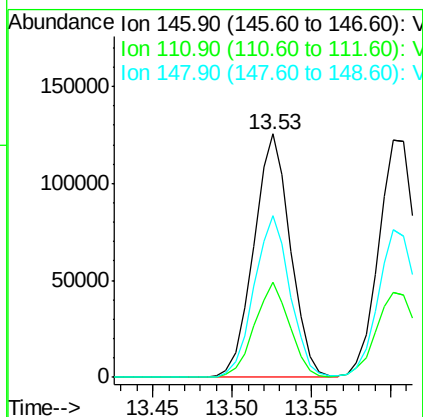
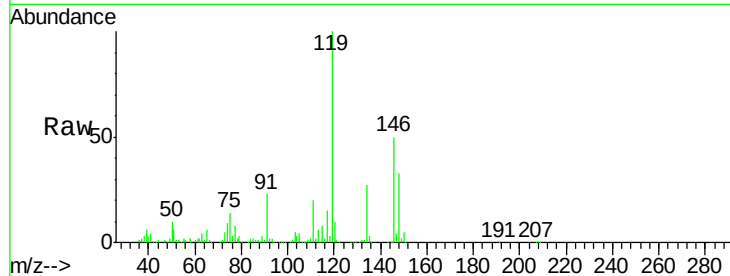




#87
 1,3-Dichlorobenzene
 Concen: 20.43 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

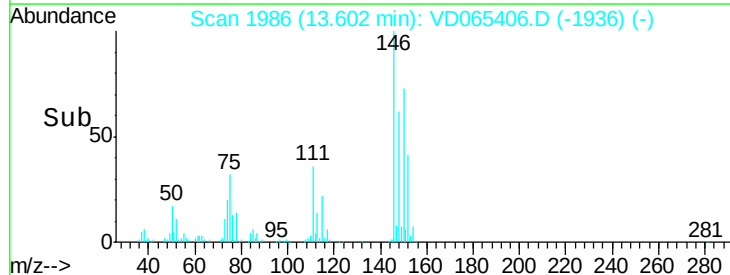
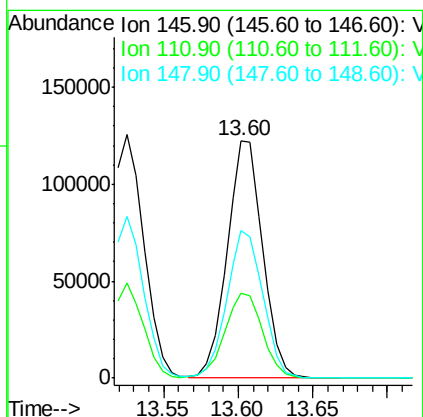
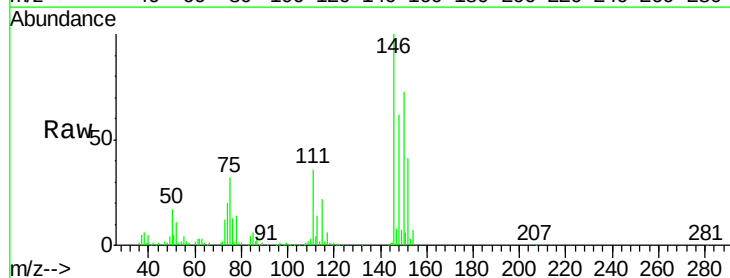
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

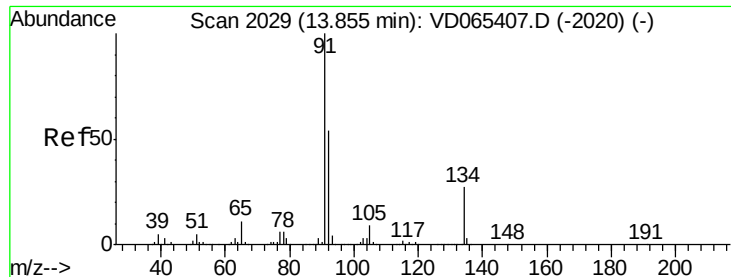
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	65.4	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.68 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.5	55.5
148	63.3	32.0	96.0

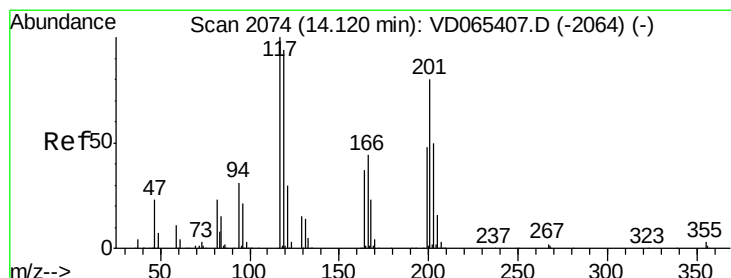
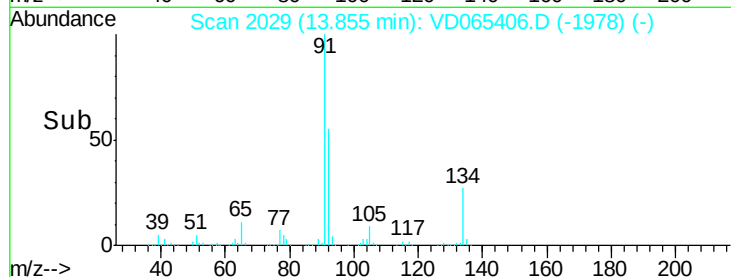
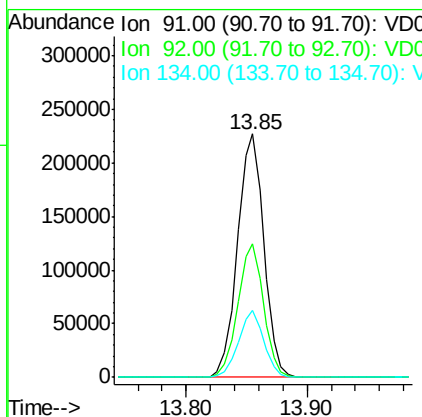
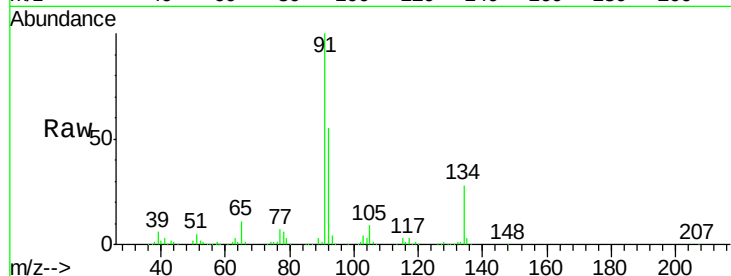




#89
n-Butylbenzene
Concen: 20.13 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

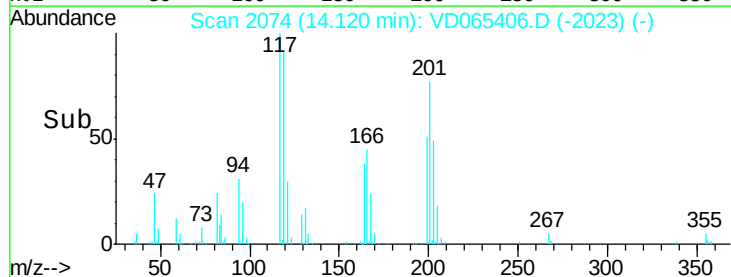
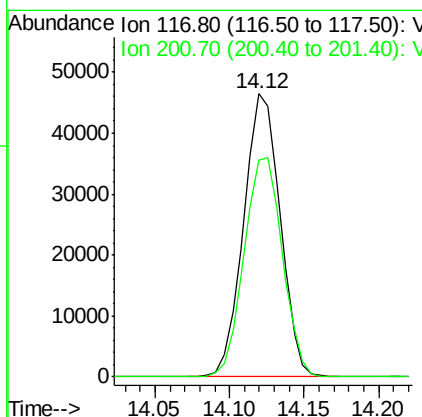
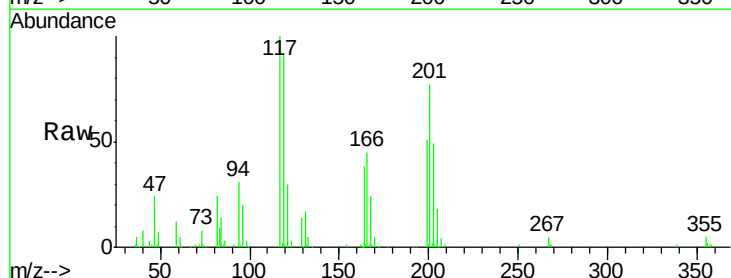
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

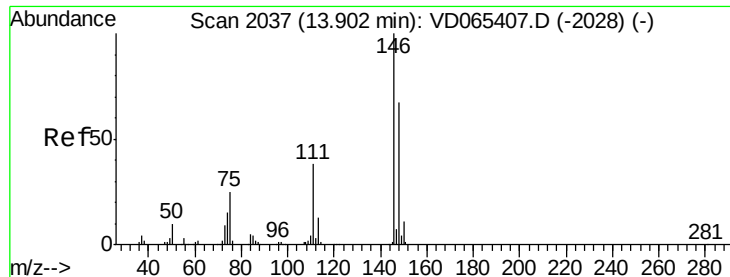
Tgt Ion: 91 Resp: 346055
Ion Ratio Lower Upper
91 100
92 53.4 26.8 80.4
134 26.3 13.4 40.2



#90
Hexachloroethane
Concen: 20.48 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion: 117 Resp: 78773
Ion Ratio Lower Upper
117 100
201 80.9 41.9 125.6

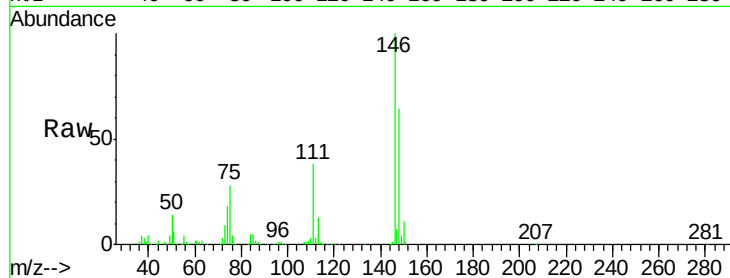




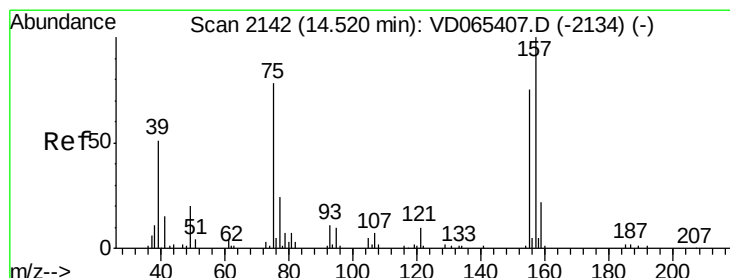
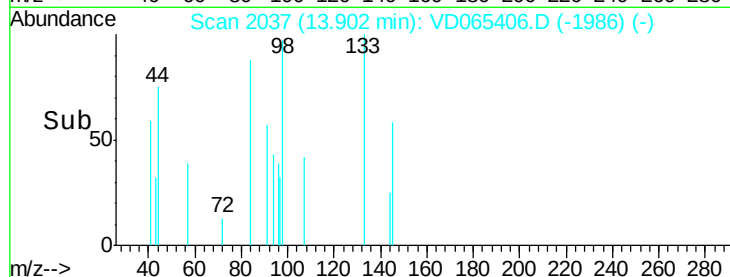
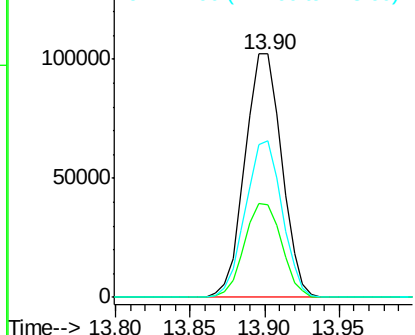
#91
 1,2-Dichlorobenzene
 Concen: 20.69 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	64.2	32.6	97.8

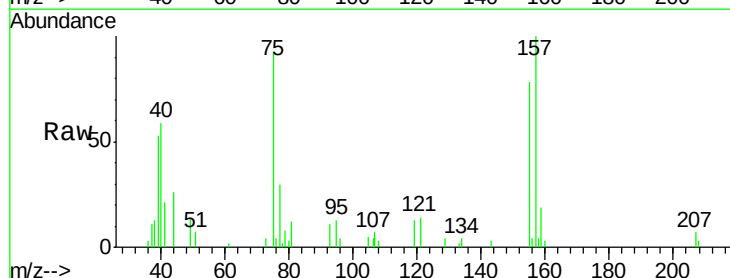


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

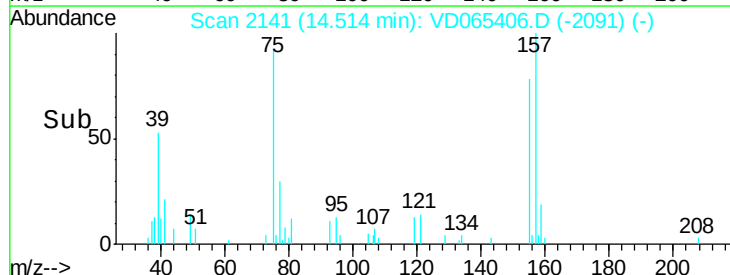
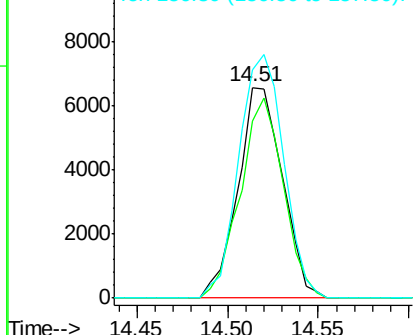


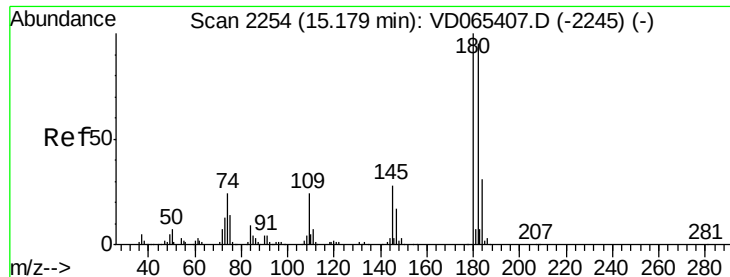
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.96 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	46.4	139.1
157	117.2	60.2	180.4



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

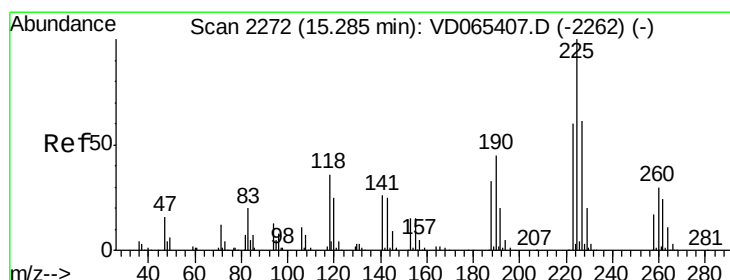
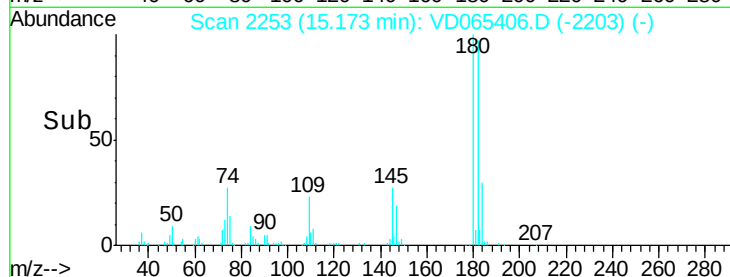
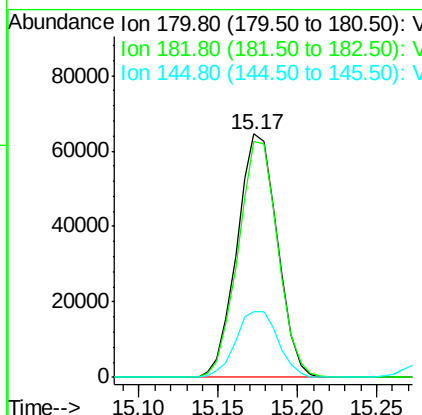
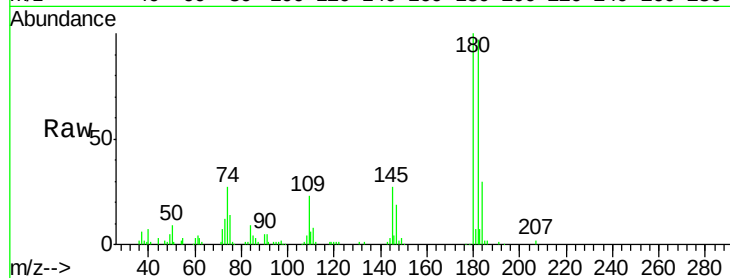




#93
 1,2,4-Trichlorobenzene
 Concen: 20.08 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

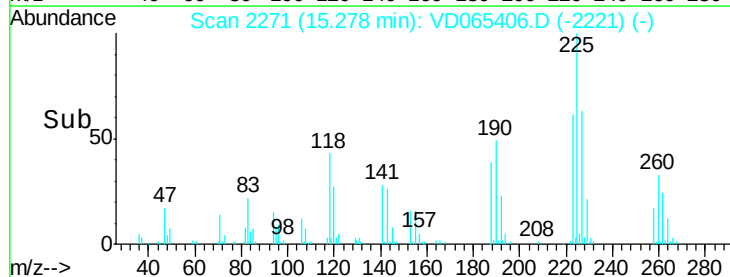
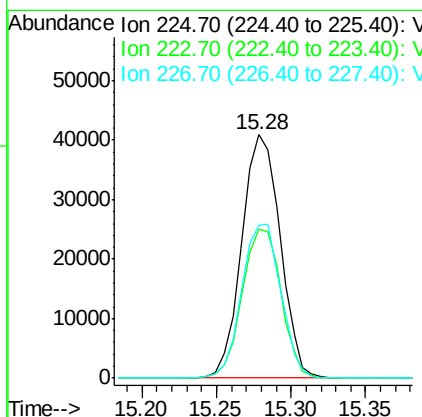
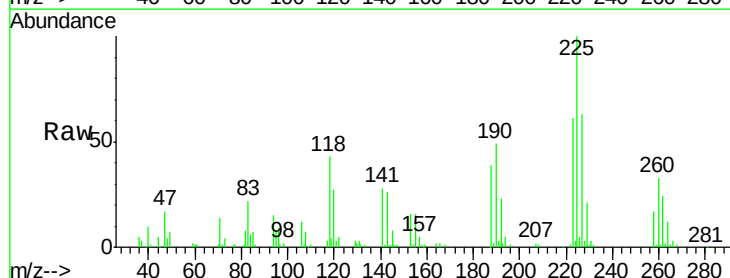
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

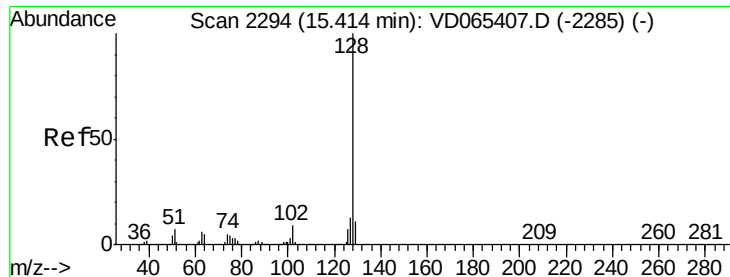
Tgt Ion:180 Resp: 114069
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.3 144.9
 145 28.4 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 19.57 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065406.D
 Acq: 04 Mar 2020 11:32

Tgt Ion:225 Resp: 72719
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.9 92.5
 227 64.4 31.6 94.7

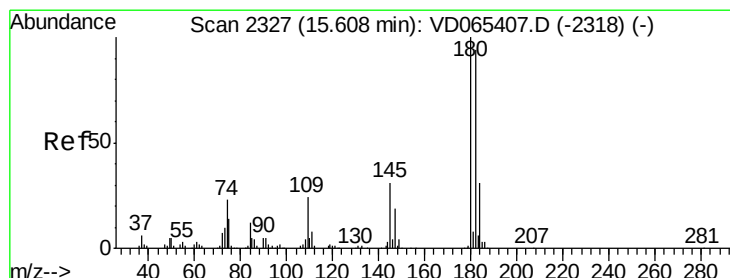
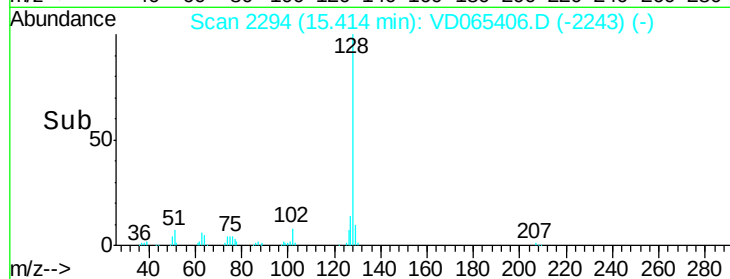
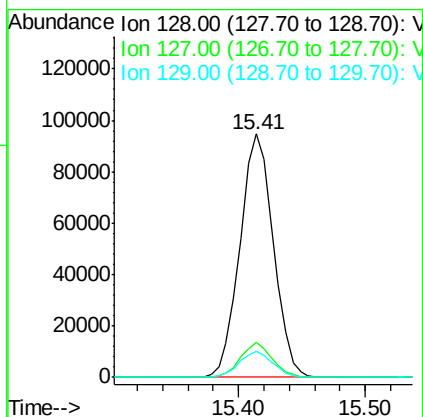
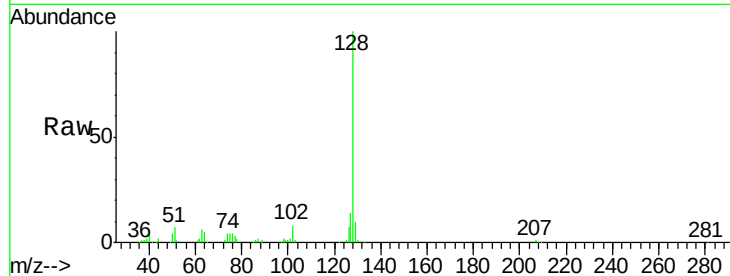




#95
Naphthalene
Concen: 19.02 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 173698
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.10 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065406.D
Acq: 04 Mar 2020 11:32

Tgt Ion:180 Resp: 99143
Ion Ratio Lower Upper
180 100
182 96.7 46.9 140.6
145 29.8 15.0 45.1

