

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
 Data File : VD065411.D
 Acq On : 04 Mar 2020 14:15
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 04 16:01:29 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	484489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	729390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317664	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	24145	5.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.56%	
35) Dibromofluoromethane	7.92	113	25815	5.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.42%	
50) Toluene-d8	10.34	98	93220	5.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.74%	
62) 4-Bromofluorobenzene	12.64	95	27862	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.99	85	22413	5.33	ug/l	92
3) Chloromethane	2.21	50	29675	5.90	ug/l	100
4) Vinyl Chloride	2.35	62	28224	5.67	ug/l	97
5) Bromomethane	2.77	94	19915	6.23	ug/l	99
6) Chloroethane	2.92	64	17118	5.64	ug/l	89
7) Trichlorofluoromethane	3.27	101	41783	5.70	ug/l	97
8) Diethyl Ether	3.70	74	12463	5.69	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	28029	5.94	ug/l	98
10) Methyl Iodide	4.29	142	20594	4.22	ug/l	97
11) Tert butyl alcohol	5.19	59	5829	25.79	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	26656	5.90	ug/l	90
13) Acrolein	3.93	56	11599	28.13	ug/l	97
14) Allyl chloride	4.72	41	37886	5.44	ug/l	98
15) Acrylonitrile	5.43	53	26506	27.54	ug/l	97
16) Acetone	4.16	43	26652	31.27	ug/l	99
17) Carbon Disulfide	4.40	76	85583	5.67	ug/l	97
18) Methyl Acetate	4.73	43	12610	5.79	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	44491	5.07	ug/l	98
20) Methylene Chloride	4.97	84	34621	6.55	ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	28751	5.70	ug/l	96
22) Diisopropyl ether	6.37	45	63942	4.89	ug/l	96
23) Vinyl Acetate	6.31	43	170589	23.55	ug/l	99
24) 1,1-Dichloroethane	6.26	63	45911	5.53	ug/l	99
25) 2-Butanone	7.23	43	32096	27.52	ug/l	99
26) 2,2-Dichloropropane	7.21	77	42634	5.88	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	27403	5.30	ug/l	96
28) Bromochloromethane	7.55	49	18464	5.49	ug/l	100
29) Tetrahydrofuran	7.57	42	19313	25.78	ug/l	97
31) Cyclohexane	7.98	56	49839	6.04	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	43978	5.74	ug/l	99
36) 1,1-Dichloropropene	8.11	75	39357	5.61	ug/l	97
37) Ethyl Acetate	7.30	43	15151	5.52	ug/l	97
38) Carbon Tetrachloride	8.10	117	41188	5.69	ug/l	95
39) Methylcyclohexane	9.36	83	43117	5.14	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
 Data File : VD065411.D
 Acq On : 04 Mar 2020 14:15
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 04 16:01:29 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)
40) Benzene	8.36	78	106460	5.41	ug/l	100
41) Methacrylonitrile	7.54	41	7535	5.40	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	27680	5.35	ug/l	99
43) Isopropyl Acetate	8.46	43	26497	5.27	ug/l	98
44) Trichloroethene	9.11	130	30111	5.45	ug/l	95
45) 1,2-Dichloropropane	9.40	63	25154	5.27	ug/l	94
46) Dibromomethane	9.48	93	13226	5.33	ug/l	97
47) Bromodichloromethane	9.67	83	33490	5.20	ug/l	94
48) Methyl methacrylate	9.46	41	12560	5.28	ug/l	94
49) 1,4-Dioxane	9.47	88	2938	102.79	ug/l #	92
51) 4-Methyl-2-Pentanone	10.24	43	61334	24.14	ug/l	98
52) Toluene	10.41	92	65908	5.31	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	30628	5.05	ug/l	92
54) cis-1,3-Dichloropropene	10.10	75	35056	4.79	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	19136	5.45	ug/l	97
56) Ethyl methacrylate	10.67	69	17288	4.34	ug/l	94
57) 1,3-Dichloropropane	10.96	76	32004	5.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	26133	18.46	ug/l	97
59) 2-Hexanone	10.99	43	42226	23.97	ug/l	94
60) Dibromochloromethane	11.14	129	24555	5.43	ug/l	99
61) 1,2-Dibromoethane	11.25	107	18101	5.40	ug/l	96
64) Tetrachloroethene	10.88	164	26166	5.54	ug/l	96
65) Chlorobenzene	11.67	112	71987	5.50	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	25792	5.40	ug/l	99
67) Ethyl Benzene	11.75	91	115514	5.12	ug/l	99
68) m/p-Xylenes	11.86	106	87326	10.05	ug/l	99
69) o-Xylene	12.18	106	36846	4.82	ug/l	98
70) Styrene	12.20	104	64527	4.78	ug/l	99
71) Bromoform	12.37	173	14642	5.44	ug/l #	100
73) Isopropylbenzene	12.48	105	103697	4.97	ug/l	98
74) N-amyl acetate	12.30	43	20348	4.72	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	20594	5.56	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	25956	5.92	ug/l #	100
77) Bromobenzene	12.77	156	28057	5.36	ug/l	96
78) n-propylbenzene	12.83	91	122915	4.95	ug/l	98
79) 2-Chlorotoluene	12.91	91	71526	5.12	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	84323	4.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	5953	5.00	ug/l	92
82) 4-Chlorotoluene	13.01	91	76589	5.20	ug/l	98
83) tert-Butylbenzene	13.23	119	72135	4.97	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	80152	4.73	ug/l	100
85) sec-Butylbenzene	13.41	105	104301	5.04	ug/l	99
86) p-Isopropyltoluene	13.53	119	90691	4.80	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	55735	5.58	ug/l	95
88) 1,4-Dichlorobenzene	13.61	146	56131	5.63	ug/l	96
89) n-Butylbenzene	13.86	91	86792	4.98	ug/l	99
90) Hexachloroethane	14.13	117	22113	5.67	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	47271	5.52	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3258	5.73	ug/l	97
93) 1,2,4-Trichlorobenzene	15.17	180	29168	5.06	ug/l	99

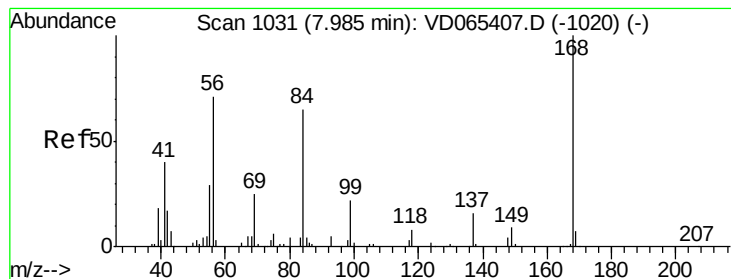
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
Data File : VD065411.D
Acq On : 04 Mar 2020 14:15
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Mar 04 16:01:29 2020
Quant Method : Z:\V0ASRV\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)
94) Hexachlorobutadiene	15.28	225	21885	5.81	ug/l	97
95) Naphthalene	15.41	128	43301	4.67	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	24850	4.97	ug/l	94

(#) = 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: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

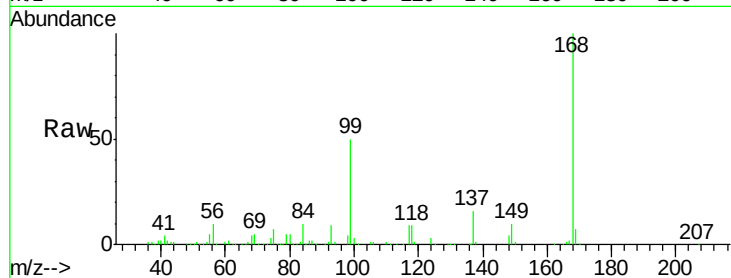
VSTDIC005

Tgt Ion:168 Resp: 484489

Ion Ratio Lower Upper

168 100

99 50.2 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

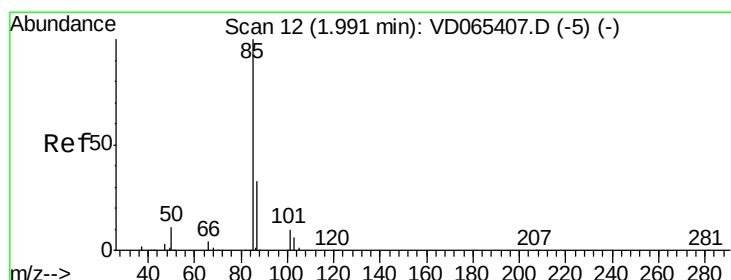
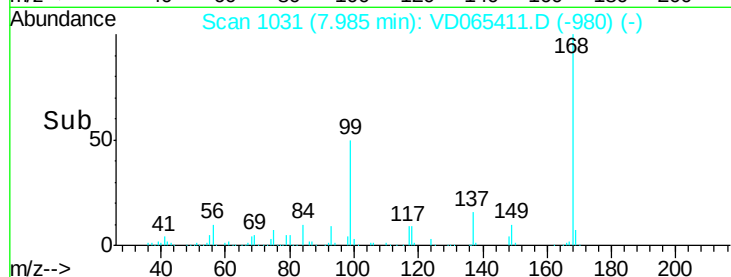
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.33 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065411.D

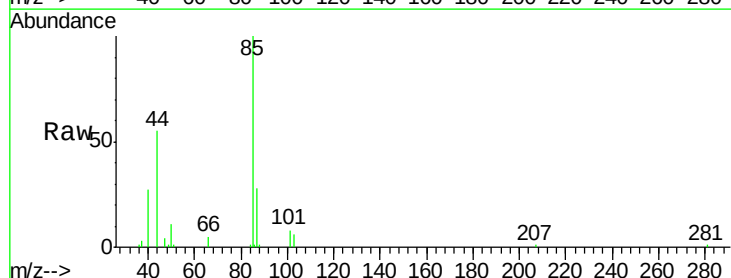
Acq: 04 Mar 2020 14:15

Tgt Ion: 85 Resp: 22413

Ion Ratio Lower Upper

85 100

87 28.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

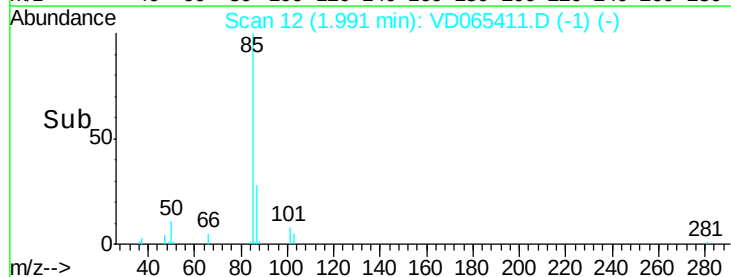
15000

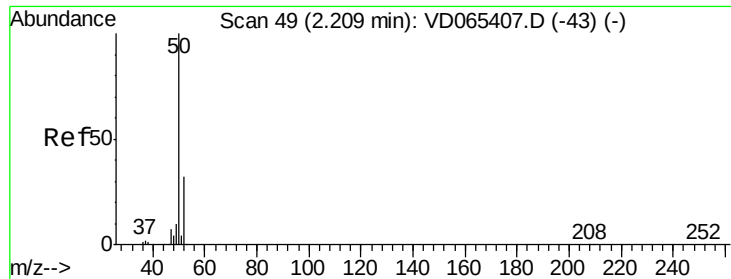
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.90 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

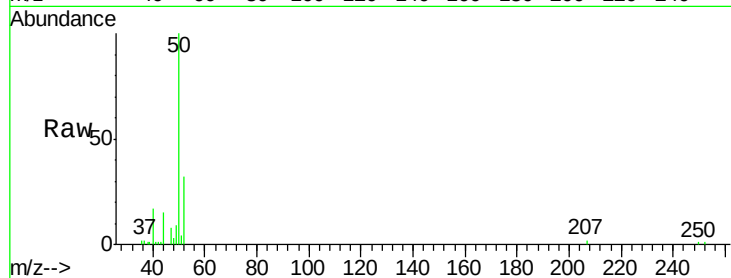
VSTDIC005

Tgt Ion: 50 Resp: 29675

Ion Ratio Lower Upper

50 100

52 32.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

15000

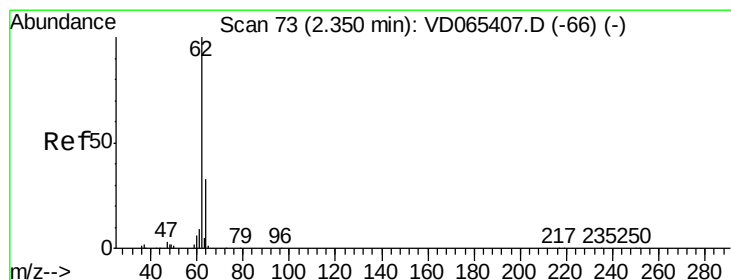
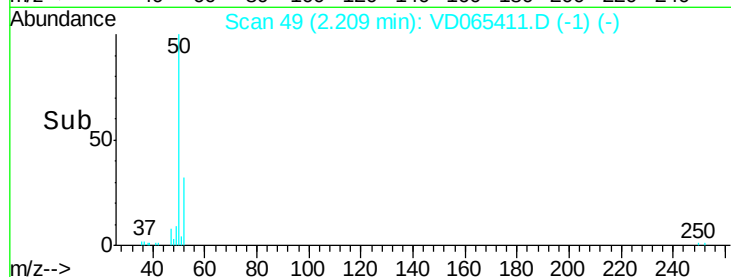
10000

5000

0

Time-->

2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 5.67 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065411.D

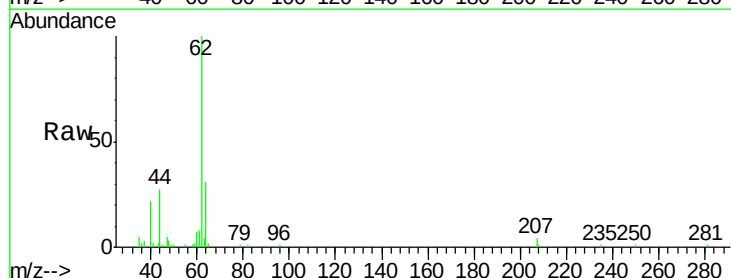
Acq: 04 Mar 2020 14:15

Tgt Ion: 62 Resp: 28224

Ion Ratio Lower Upper

62 100

64 31.3 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

20000

15000

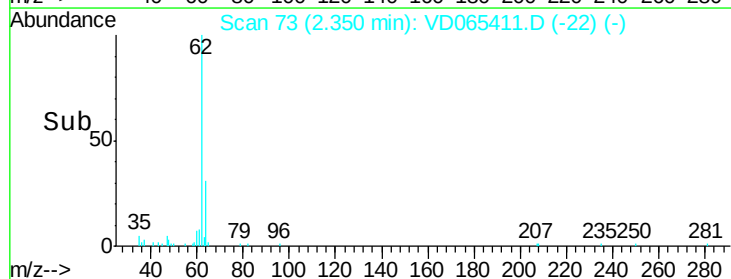
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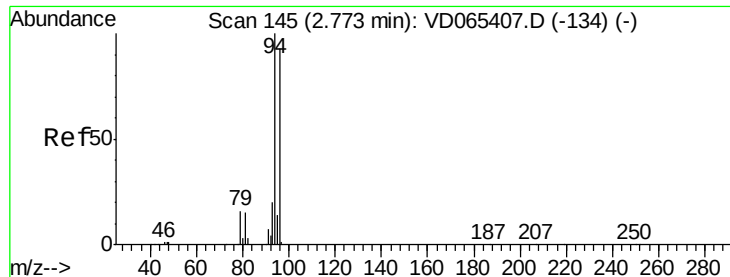
5000

0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 6.23 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

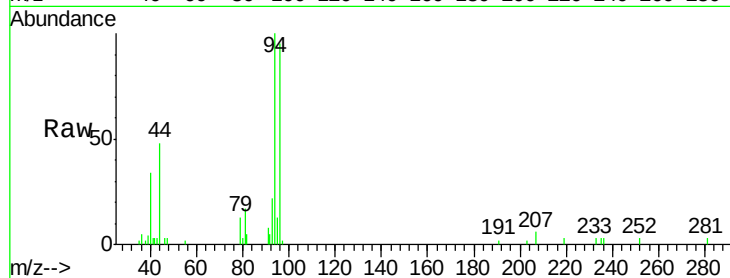
VSTDIC005

Tgt Ion: 94 Resp: 19915

Ion Ratio Lower Upper

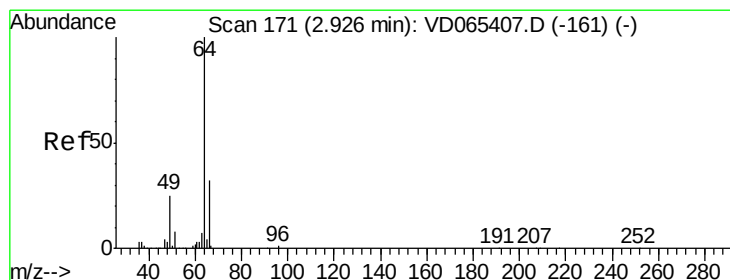
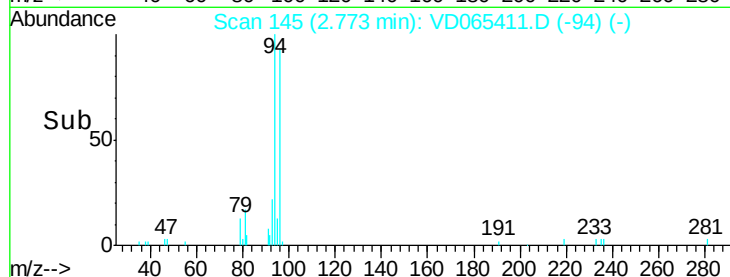
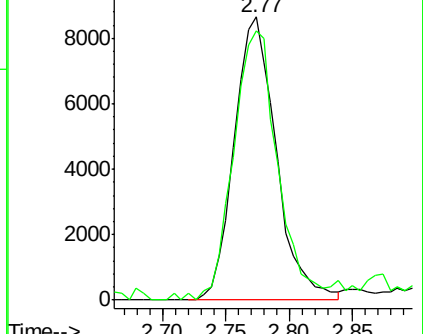
94 100

96 92.4 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: 5.64 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065411.D

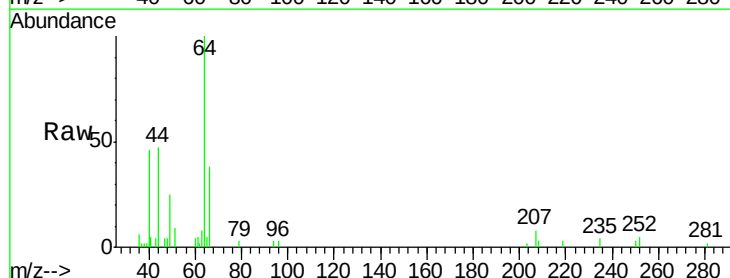
Acq: 04 Mar 2020 14:15

Tgt Ion: 64 Resp: 17118

Ion Ratio Lower Upper

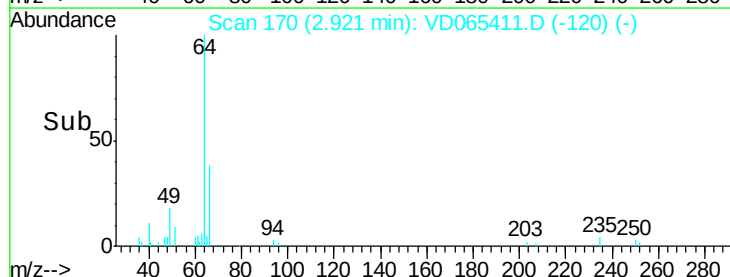
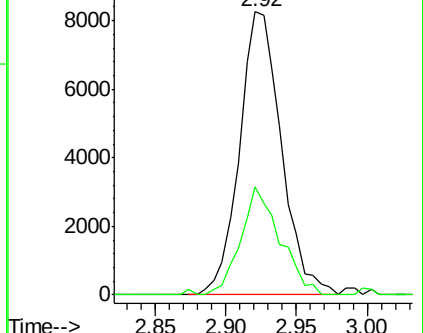
64 100

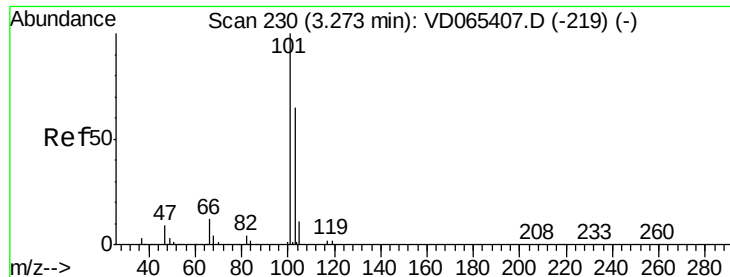
66 38.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



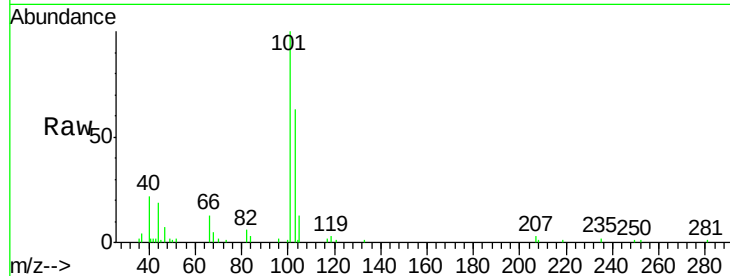


#7

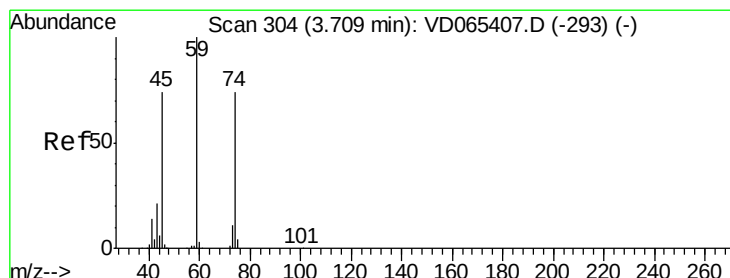
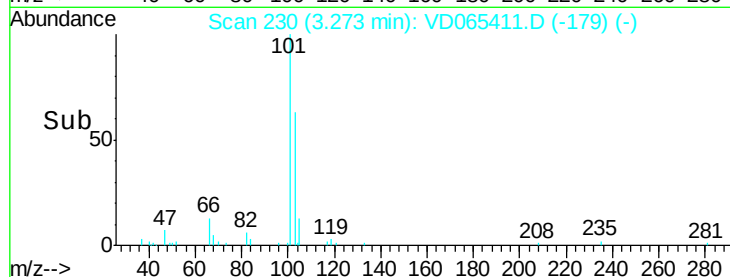
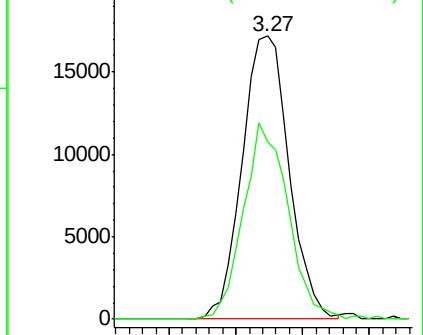
Trichlorofluoromethane
Concen: 5.70 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 101 Resp: 41783
Ion Ratio Lower Upper
101 100
103 62.7 52.1 78.1



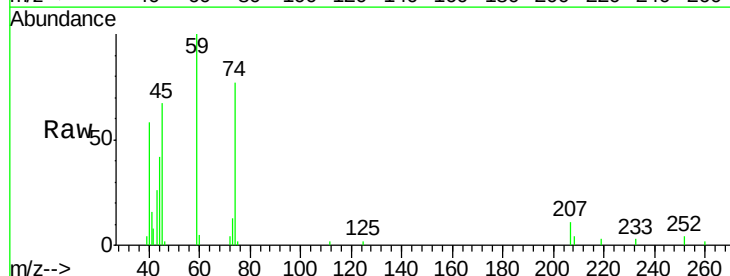
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



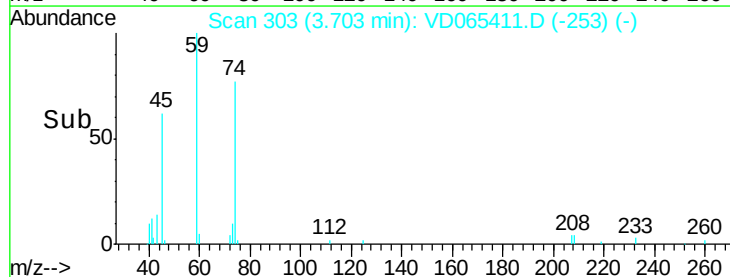
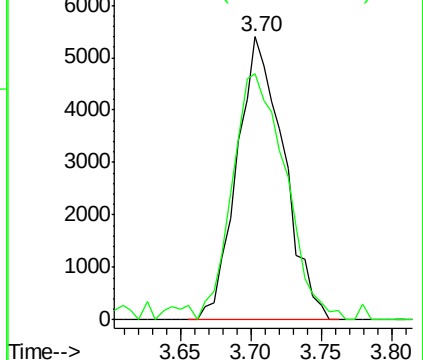
#8

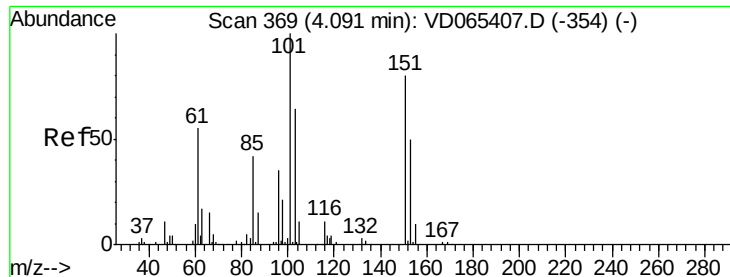
Diethyl Ether
Concen: 5.69 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 74 Resp: 12463
Ion Ratio Lower Upper
74 100
45 99.5 49.5 148.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.94 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

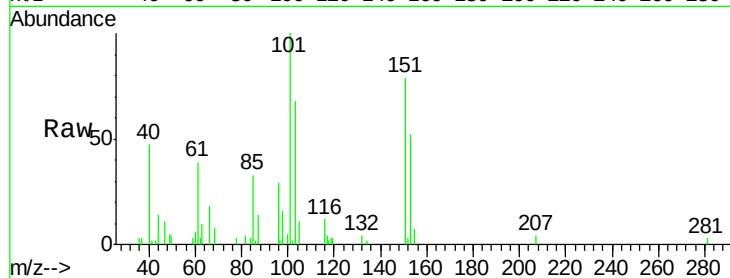
Tgt Ion:101 Resp: 28029

Ion Ratio Lower Upper

101 100

85 40.2 34.2 51.2

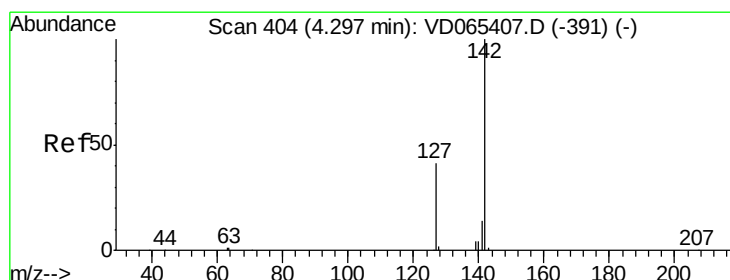
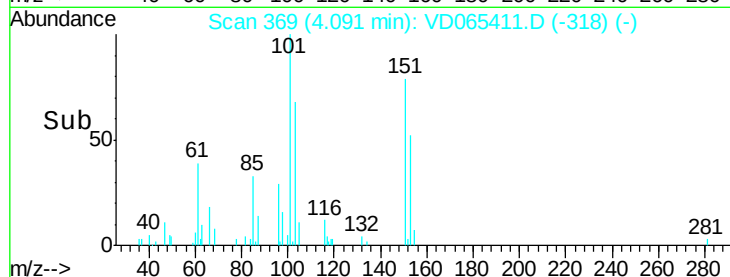
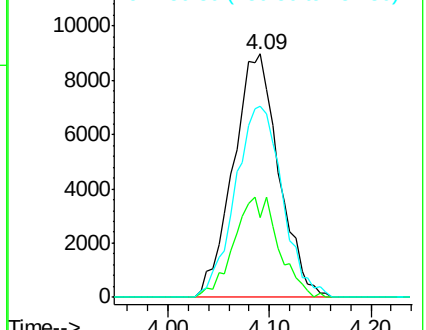
151 81.6 65.1 97.7



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: 4.22 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

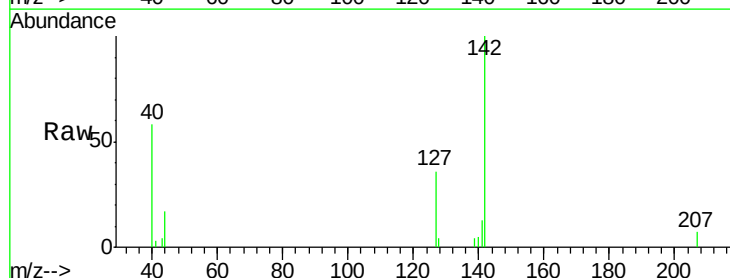
Tgt Ion:142 Resp: 20594

Ion Ratio Lower Upper

142 100

127 41.1 35.0 52.6

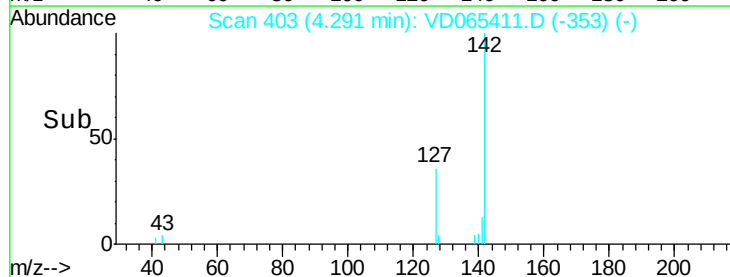
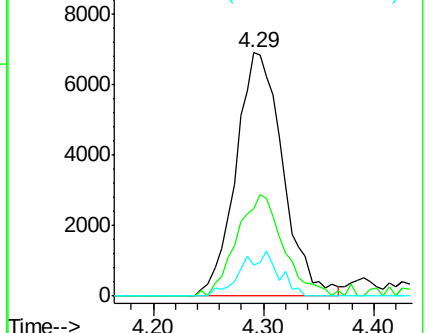
141 14.8 12.4 18.6

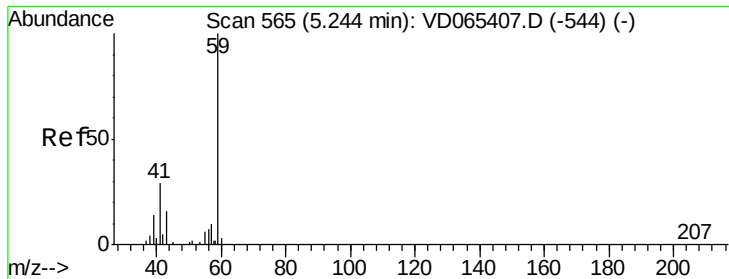


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 25.79 ug/l

RT: 5.19 min Scan# 555

Delta R.T. -0.06 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

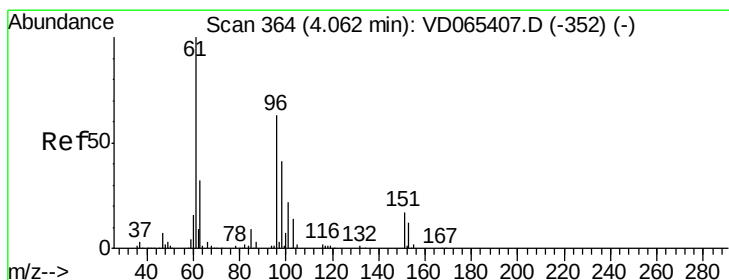
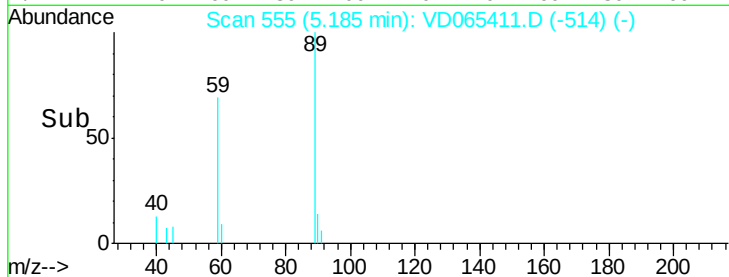
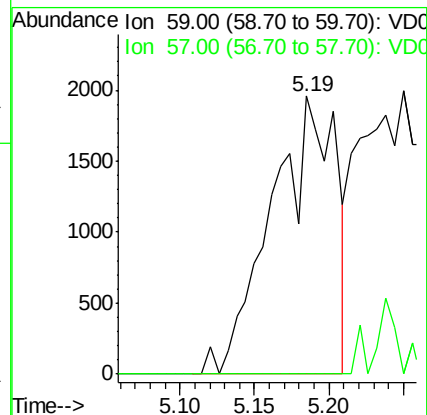
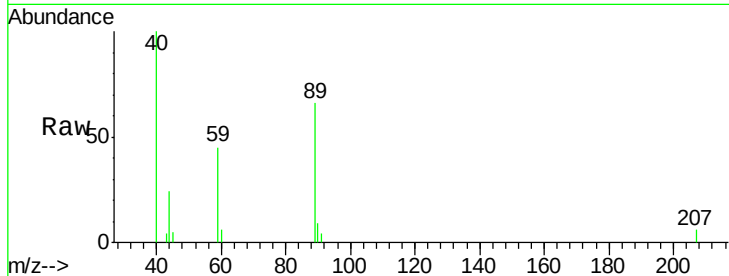
VSTDIC005

Tgt Ion: 59 Resp: 5829

Ion Ratio Lower Upper

59 100

57 0.0 6.9 10.3#



#12

1,1-Dichloroethene

Concen: 5.90 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

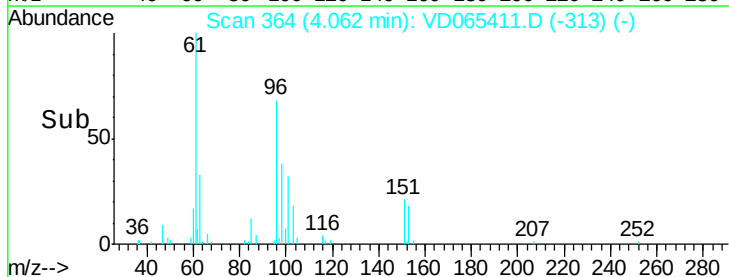
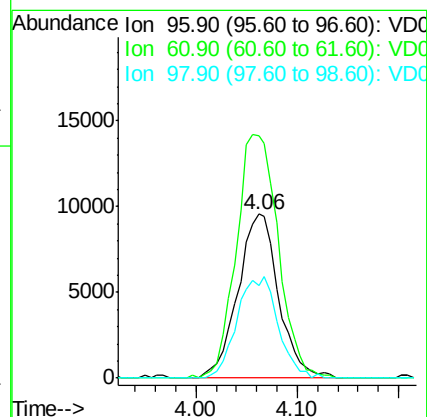
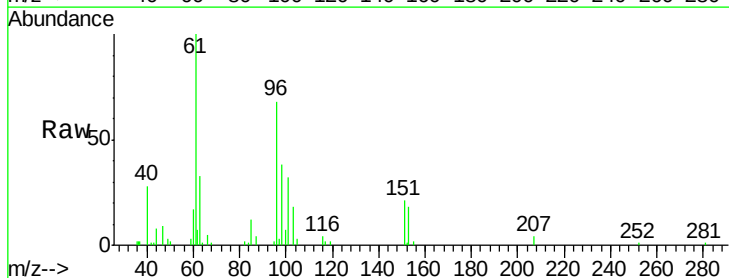
Tgt Ion: 96 Resp: 26656

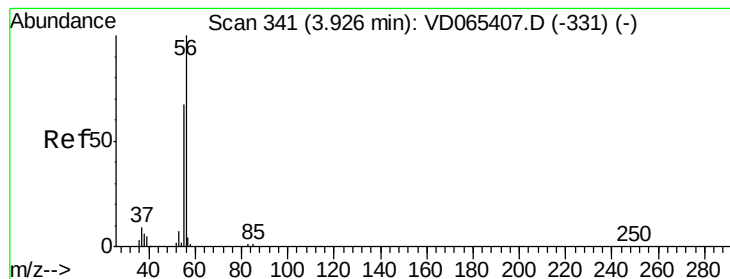
Ion Ratio Lower Upper

96 100

61 147.5 128.0 192.0

98 56.4 51.9 77.9





#13

Acrolein

Concen: 28.13 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

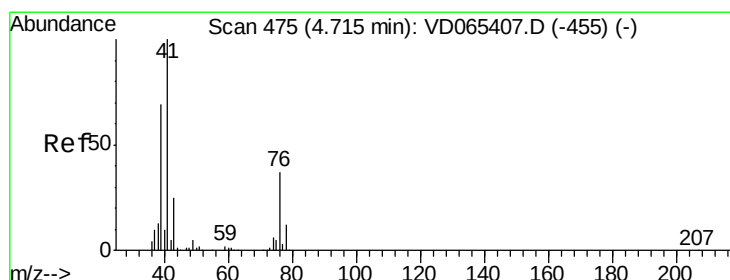
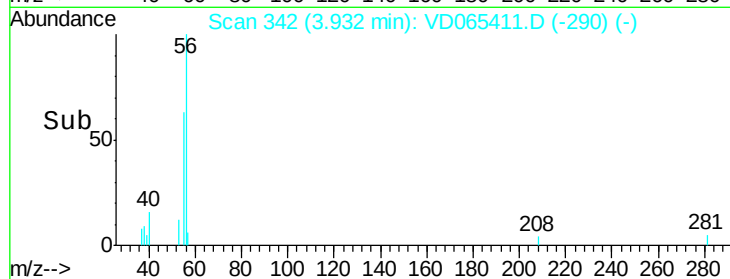
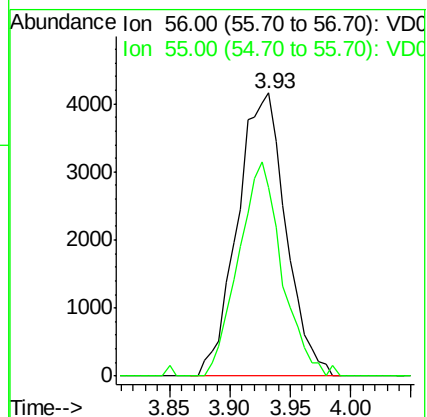
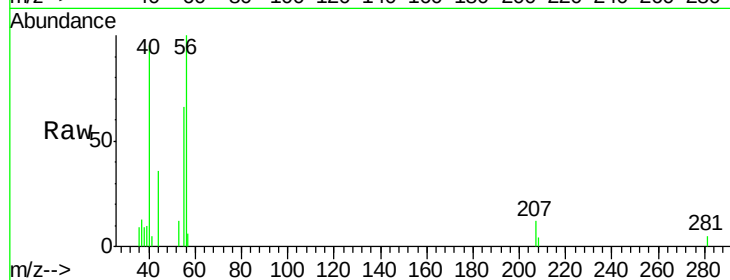
VSTDIC005

Tgt Ion: 56 Resp: 11599

Ion Ratio Lower Upper

56 100

55 67.9 56.6 85.0



#14

Allyl chloride

Concen: 5.44 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

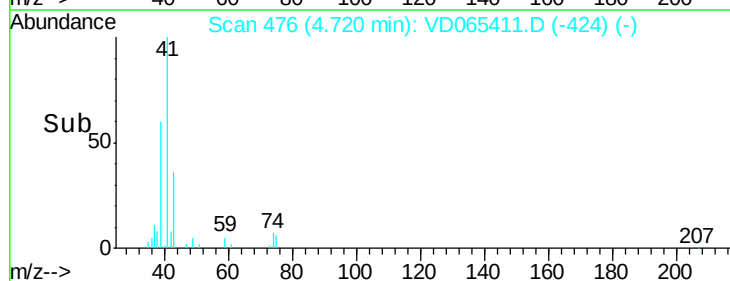
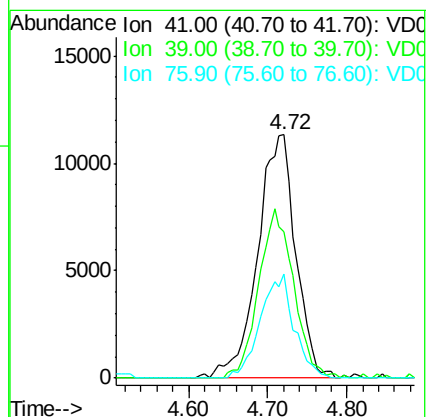
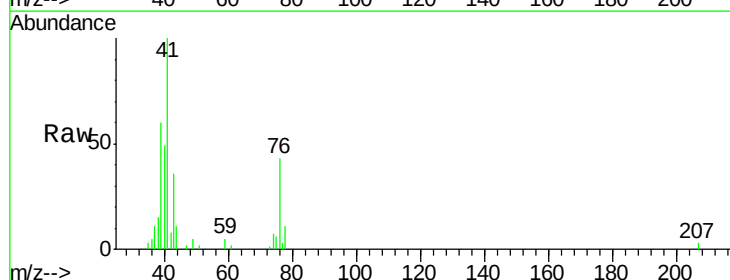
Tgt Ion: 41 Resp: 37886

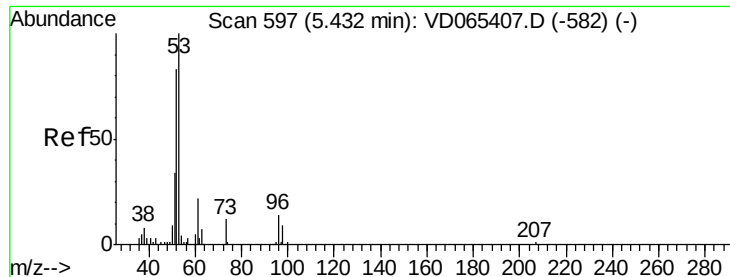
Ion Ratio Lower Upper

41 100

39 64.0 52.6 79.0

76 37.6 29.2 43.8





#15

Acrylonitrile

Concen: 27.54 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

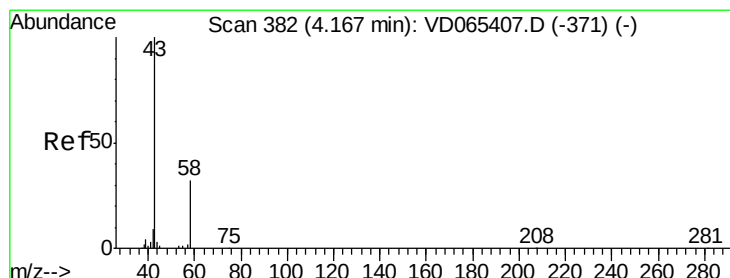
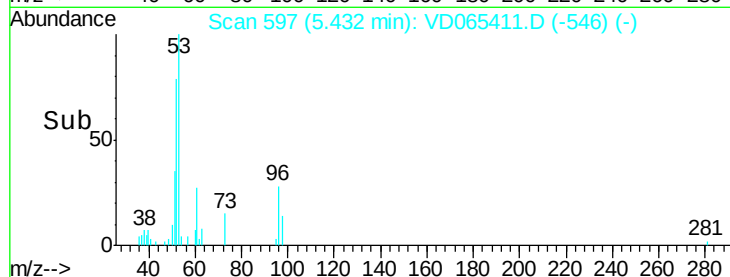
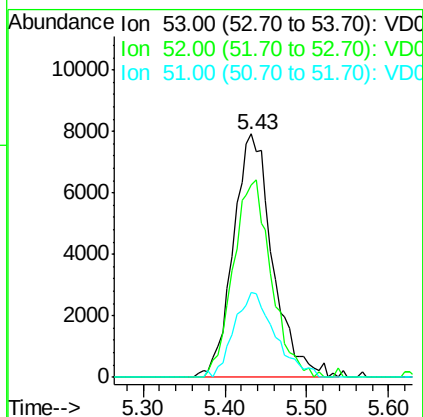
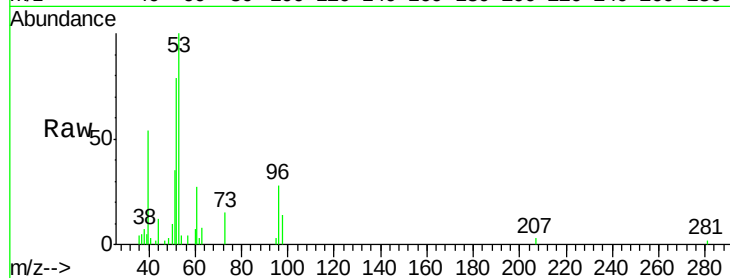
Tgt Ion: 53 Resp: 26506

Ion Ratio Lower Upper

53 100

52 78.0 65.1 97.7

51 36.1 28.5 42.7



#16

Acetone

Concen: 31.27 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065411.D

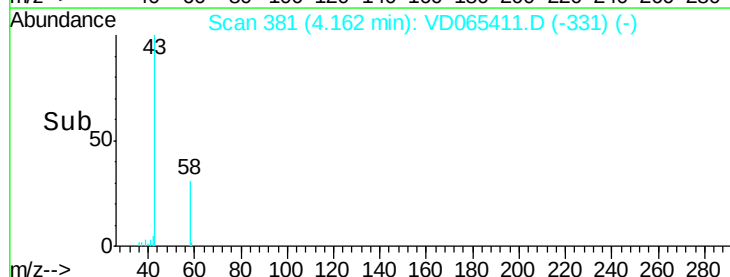
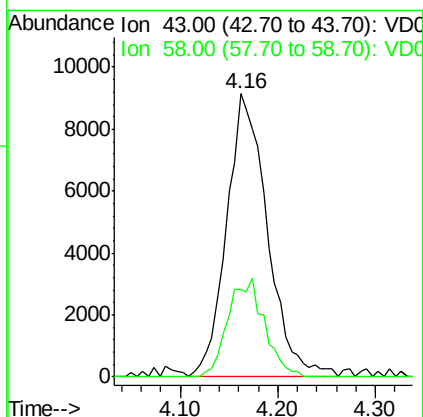
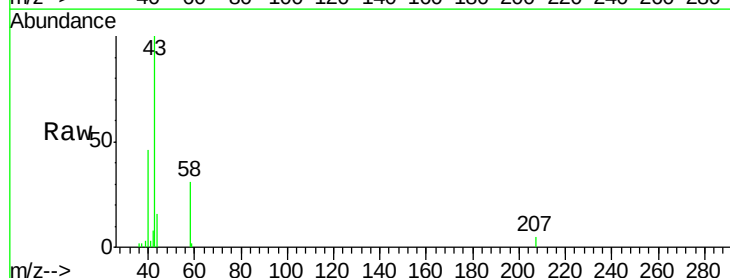
Acq: 04 Mar 2020 14:15

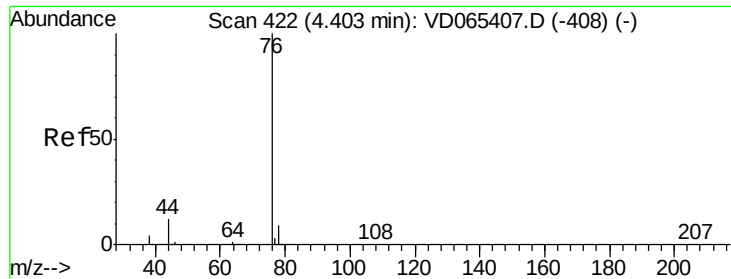
Tgt Ion: 43 Resp: 26652

Ion Ratio Lower Upper

43 100

58 31.1 25.1 37.7

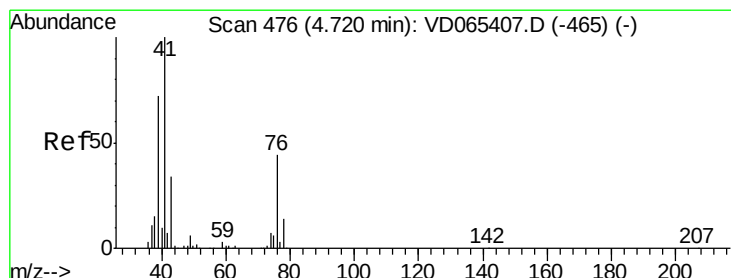
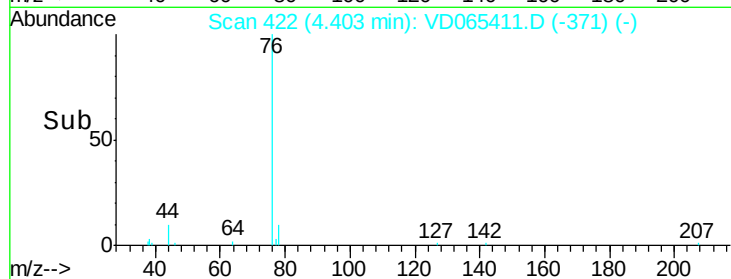
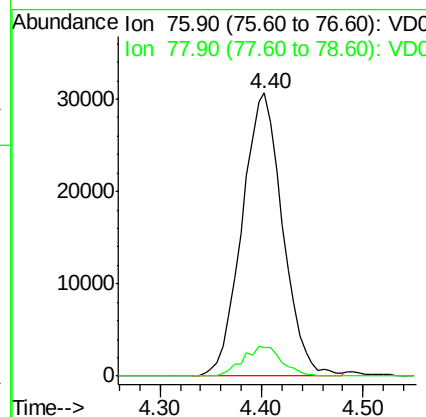
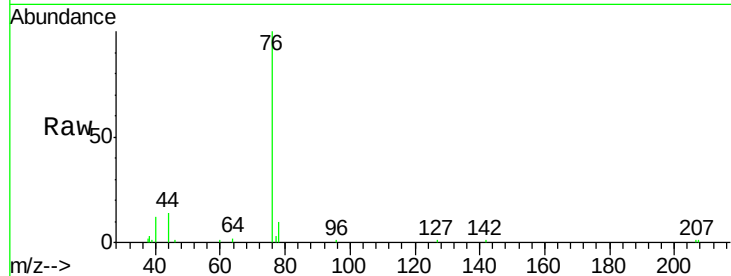




#17
Carbon Disulfide
Concen: 5.67 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

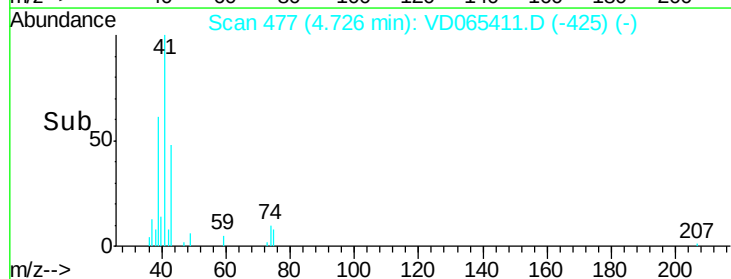
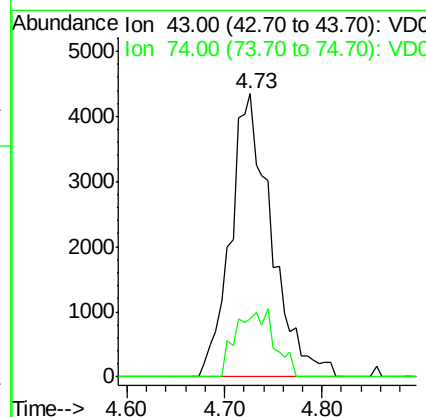
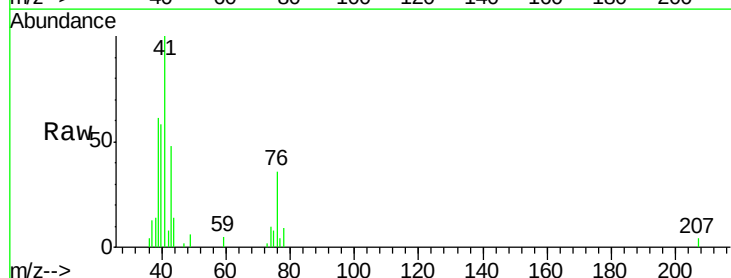
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

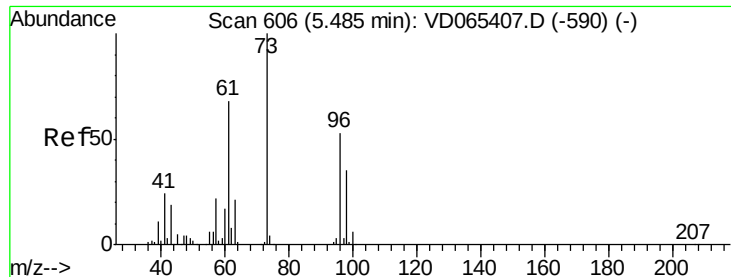
Tgt Ion: 76 Resp: 85583
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0



#18
Methyl Acetate
Concen: 5.79 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 43 Resp: 12610
Ion Ratio Lower Upper
43 100
74 22.4 19.6 29.4

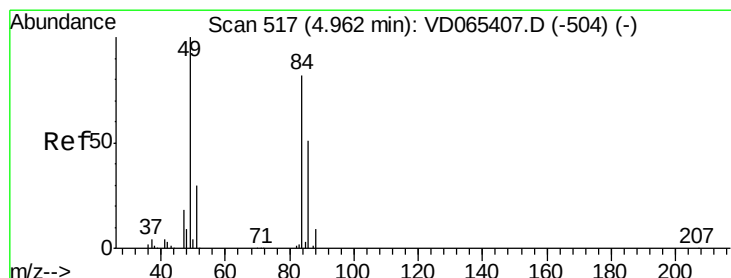
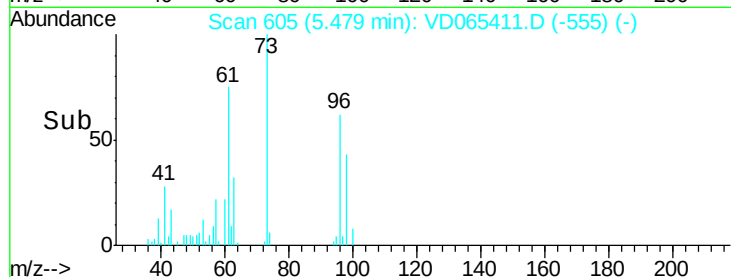
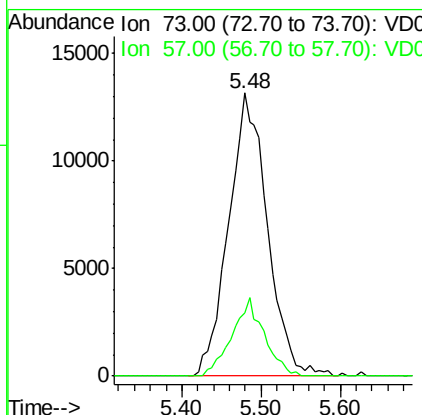
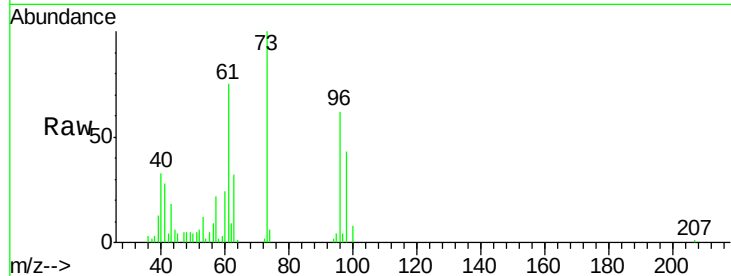




#19
Methyl tert-butyl Ether
Concen: 5.07 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

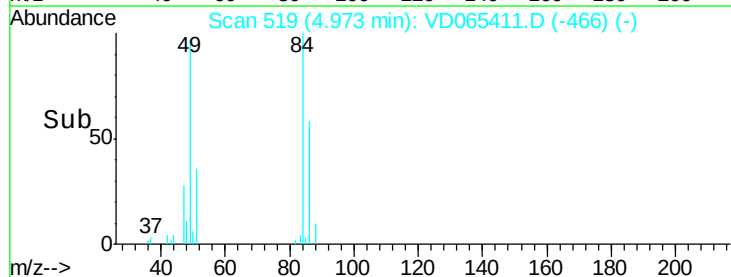
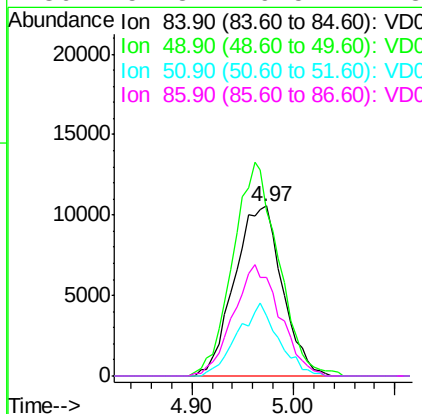
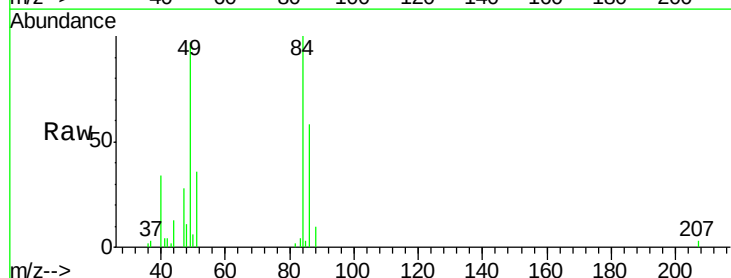
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

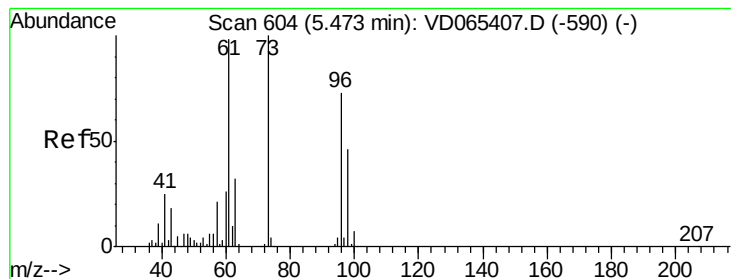
Tgt Ion: 73 Resp: 44491
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9



#20
Methylene Chloride
Concen: 6.55 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 84 Resp: 34621
Ion Ratio Lower Upper
84 100
49 97.3 97.7 146.5#
51 35.7 28.8 43.2
86 57.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 5.70 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

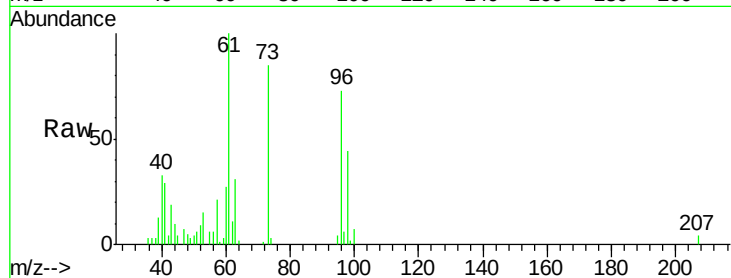
Tgt Ion: 96 Resp: 28751

Ion Ratio Lower Upper

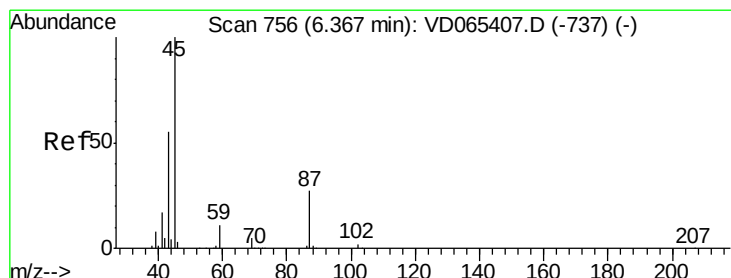
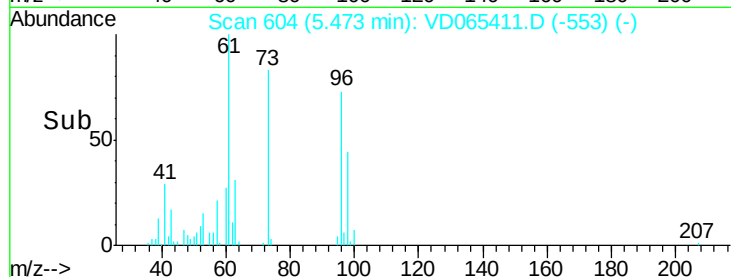
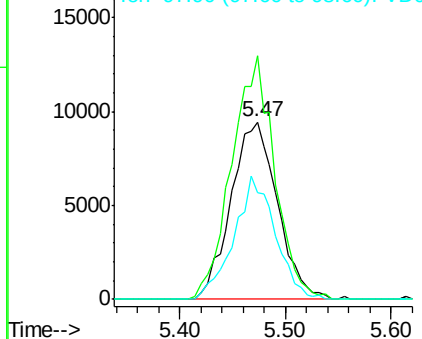
96 100

61 137.4 106.3 159.5

98 60.1 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: 4.89 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Tgt Ion: 45 Resp: 63942

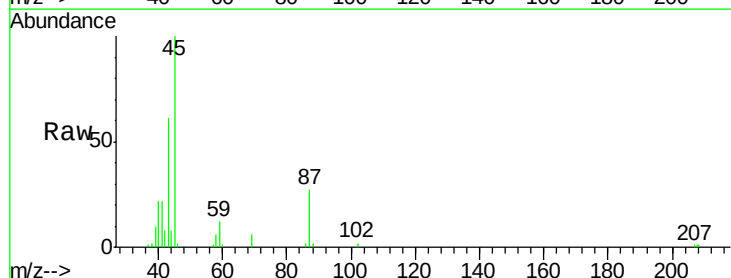
Ion Ratio Lower Upper

45 100

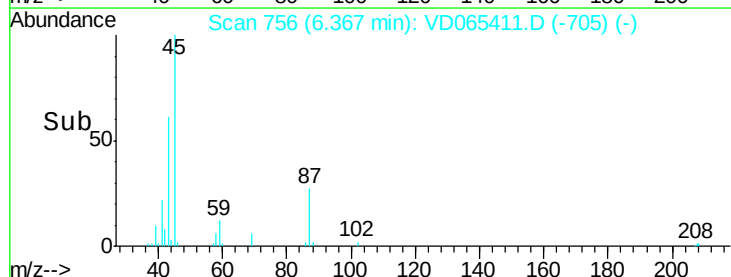
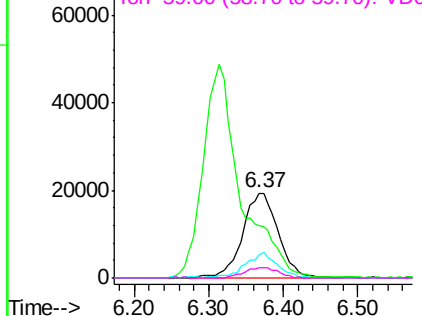
43 59.6 44.4 66.6

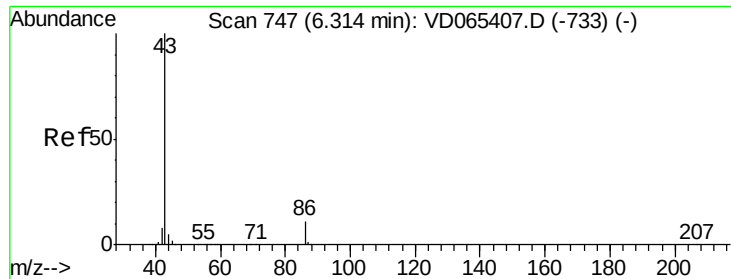
87 27.3 21.9 32.9

59 12.0 9.2 13.8



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

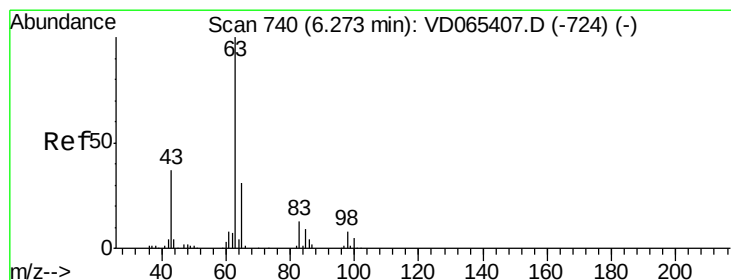
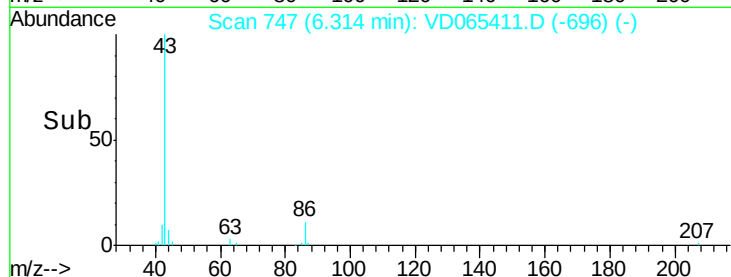
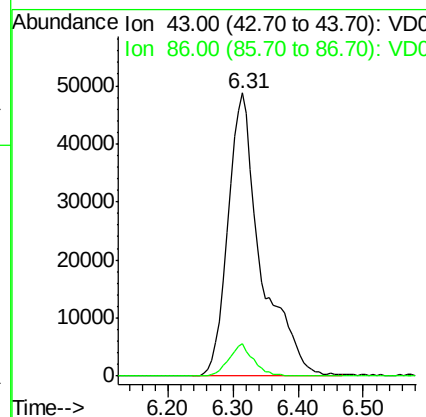
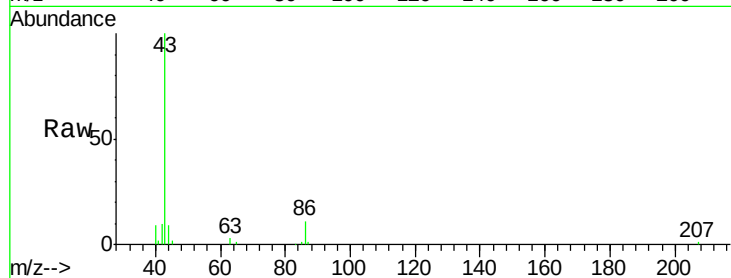




#23
 Vinyl Acetate
 Concen: 23.55 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

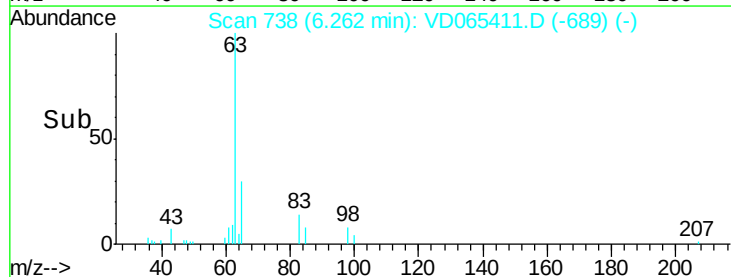
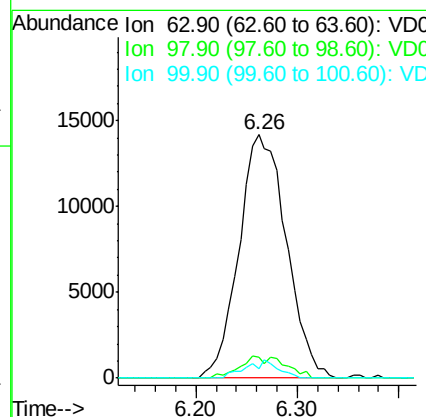
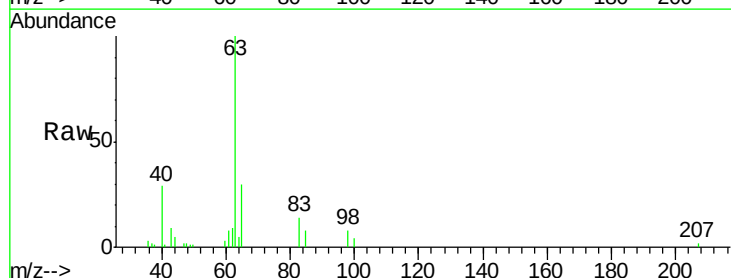
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

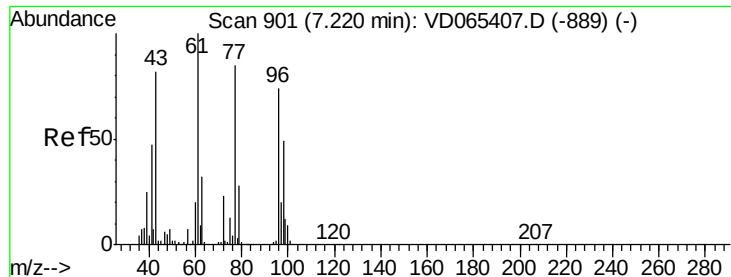
Tgt Ion: 43 Resp: 170589
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 5.53 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion: 63 Resp: 45911
 Ion Ratio Lower Upper
 63 100
 98 8.4 4.2 12.6
 100 4.0 2.4 7.2





#25

2-Butanone

Concen: 27.52 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

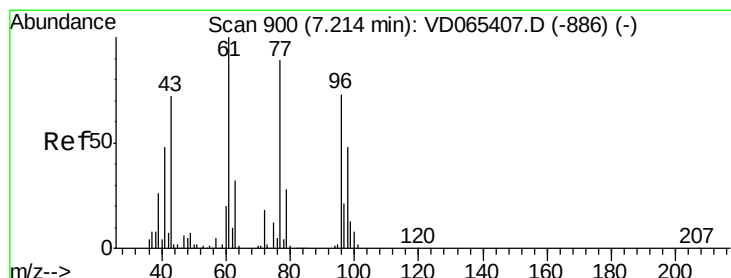
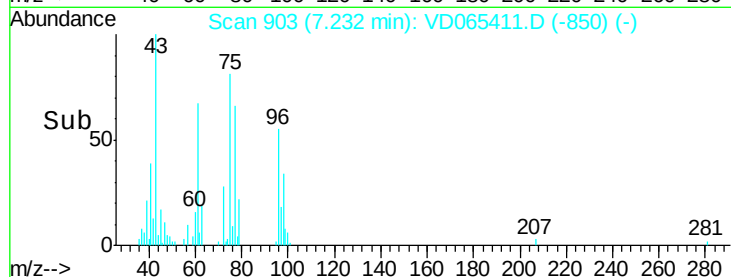
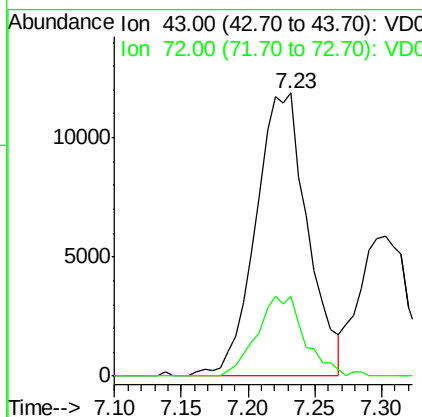
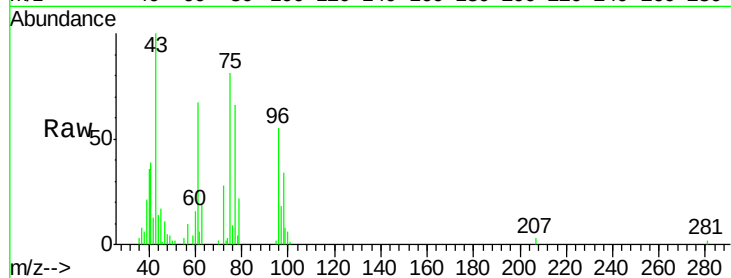
VSTDIC005

Tgt Ion: 43 Resp: 32096

Ion Ratio Lower Upper

43 100

72 28.3 22.3 33.5



#26

2,2-Dichloropropane

Concen: 5.88 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065411.D

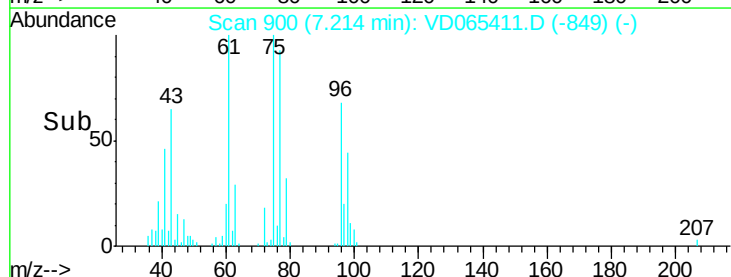
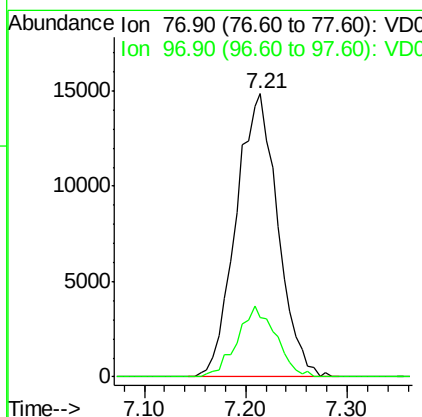
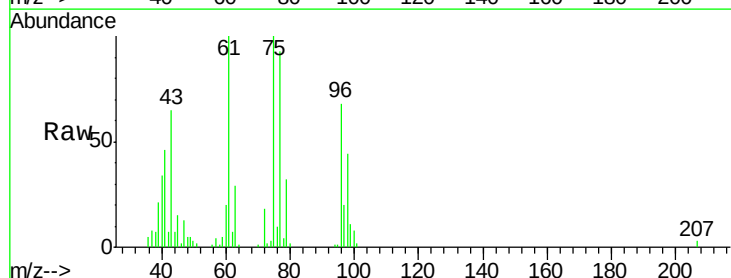
Acq: 04 Mar 2020 14:15

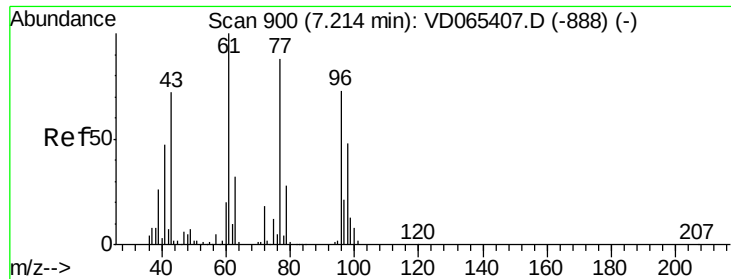
Tgt Ion: 77 Resp: 42634

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.4

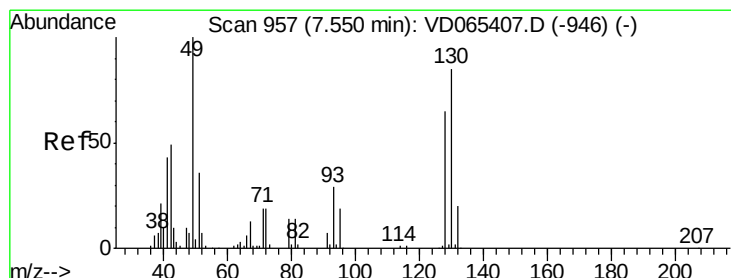
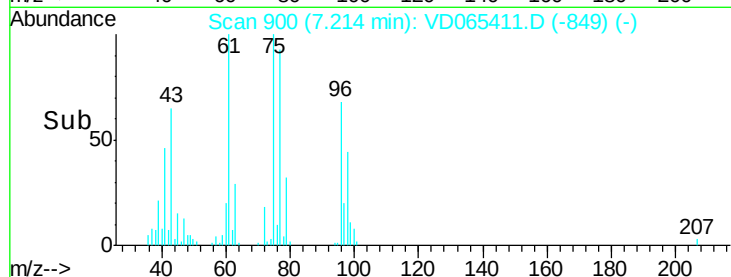
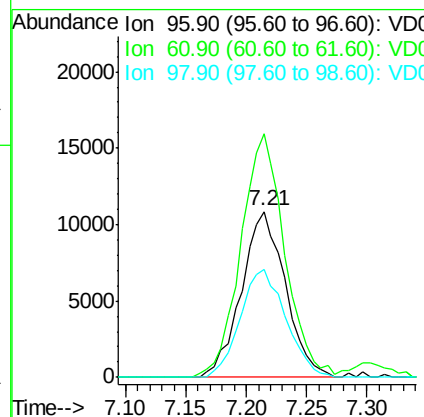
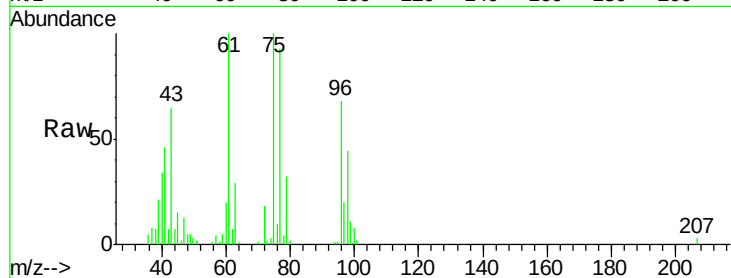




#27
 cis-1,2-Dichloroethene
 Concen: 5.30 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

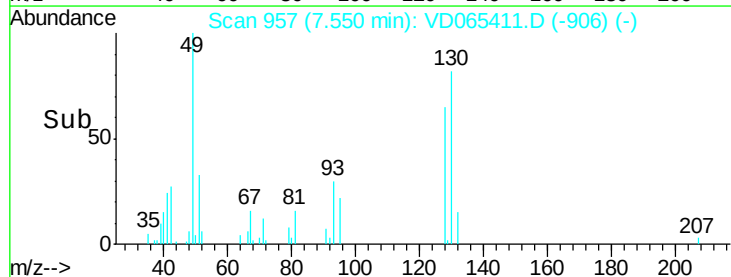
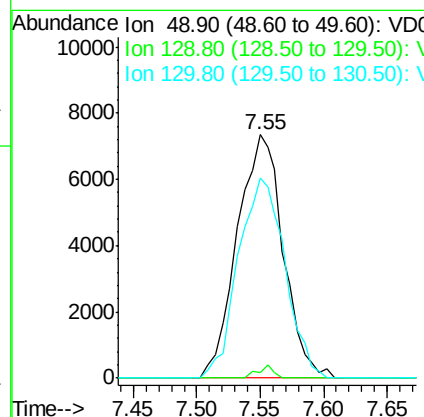
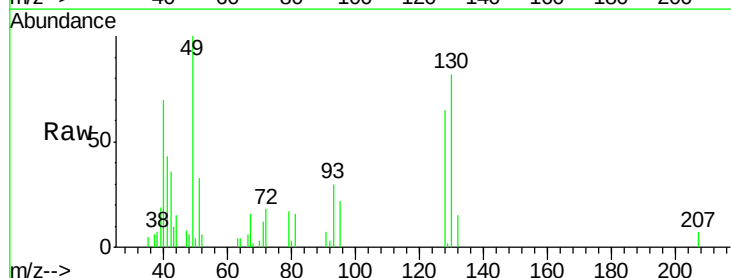
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

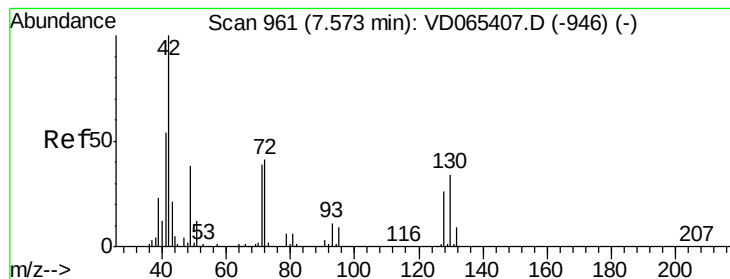
Tgt Ion: 96 Resp: 27403
 Ion Ratio Lower Upper
 96 100
 61 146.5 0.0 280.4
 98 67.7 0.0 132.6



#28
 Bromochloromethane
 Concen: 5.49 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion: 49 Resp: 18464
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 4.6
 130 83.5 66.6 100.0





#29

Tetrahydrofuran

Concen: 25.78 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

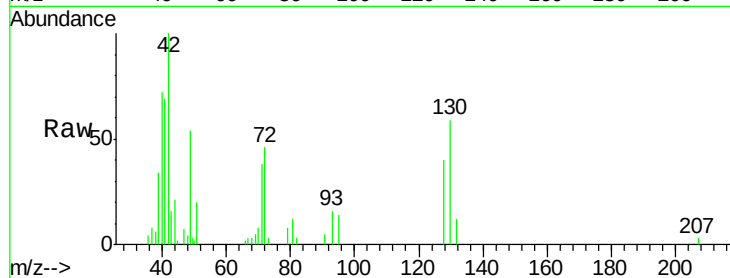
Tgt Ion: 42 Resp: 19313

Ion Ratio Lower Upper

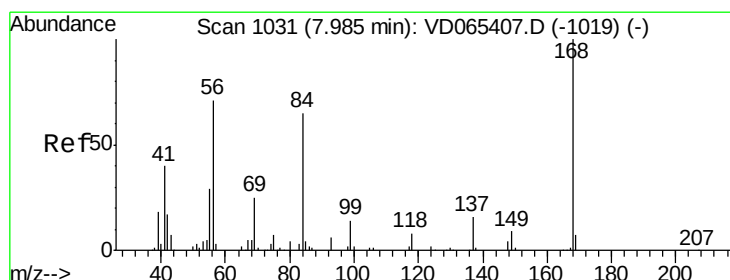
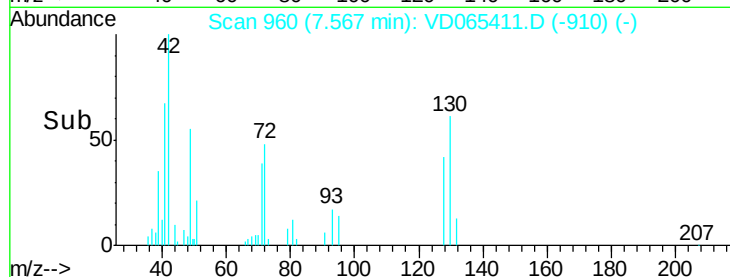
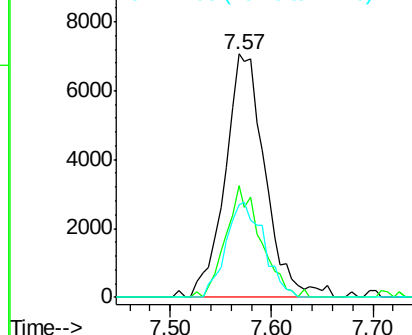
42 100

72 40.1 33.0 49.6

71 37.1 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



#31

Cyclohexane

Concen: 6.04 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

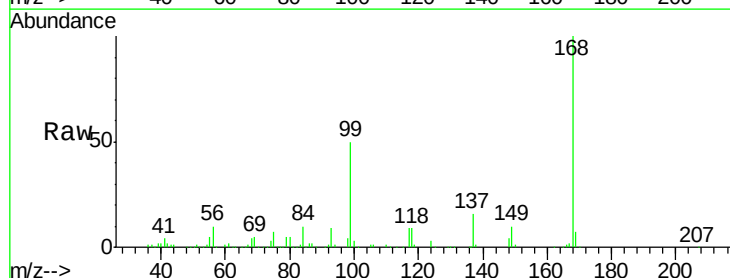
Tgt Ion: 56 Resp: 49839

Ion Ratio Lower Upper

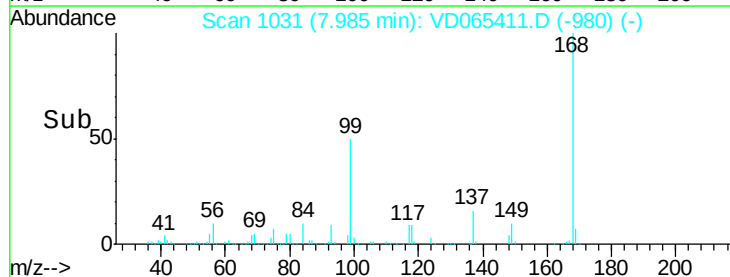
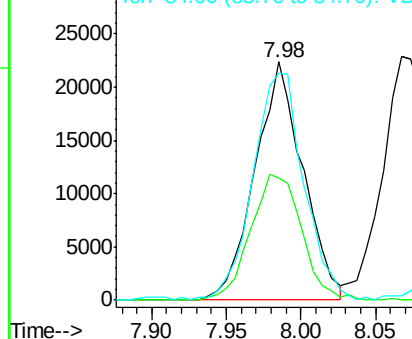
56 100

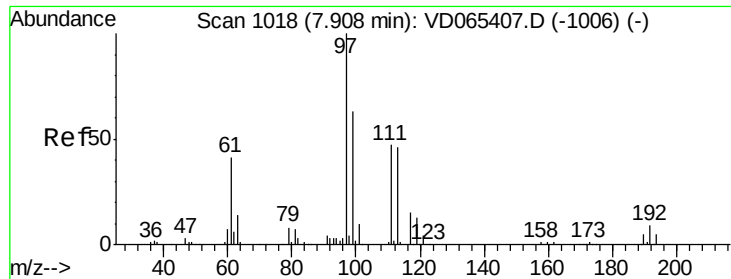
69 51.2 28.3 42.5#

84 95.6 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: 5.74 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

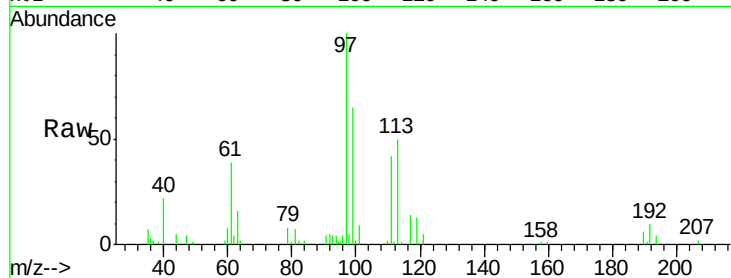
Tgt Ion: 97 Resp: 43978

Ion Ratio Lower Upper

97 100

99 64.7 50.9 76.3

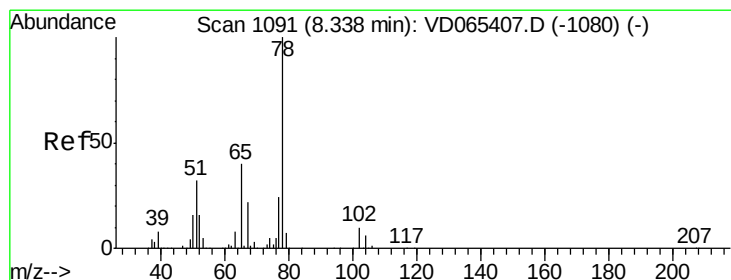
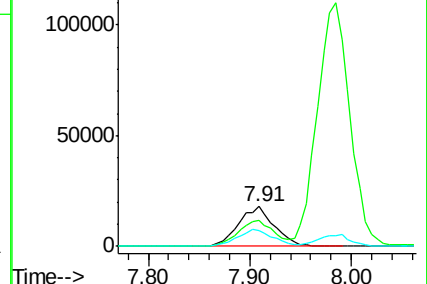
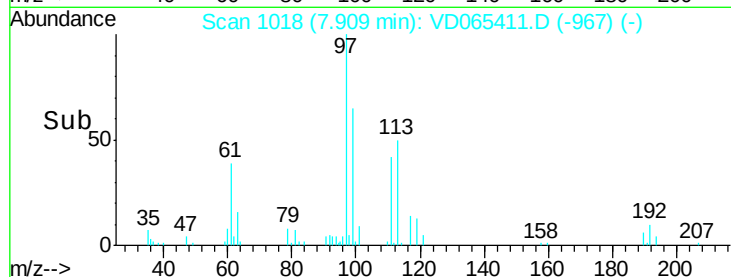
61 41.5 33.2 49.8



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: 5.78 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065411.D

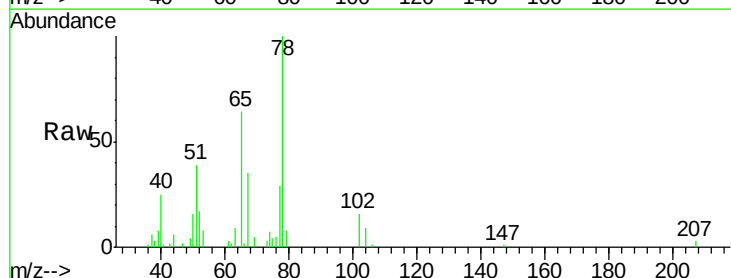
Acq: 04 Mar 2020 14:15

Tgt Ion: 65 Resp: 24145

Ion Ratio Lower Upper

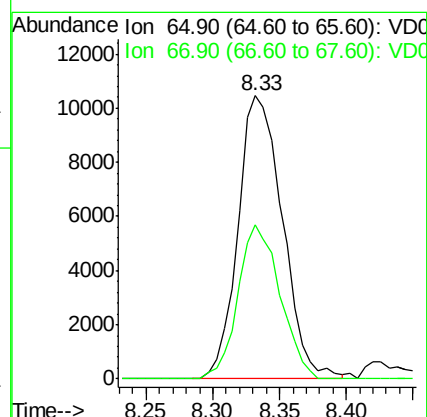
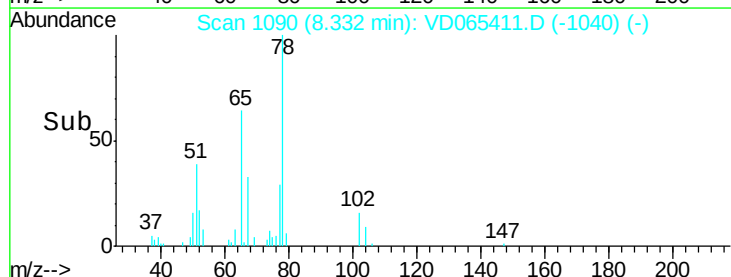
65 100

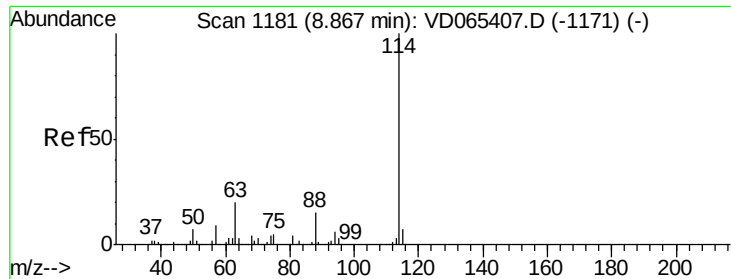
67 51.5 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

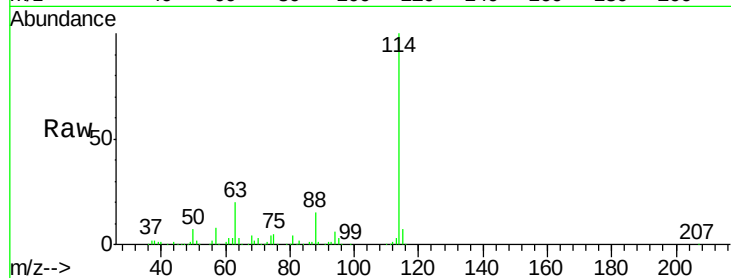




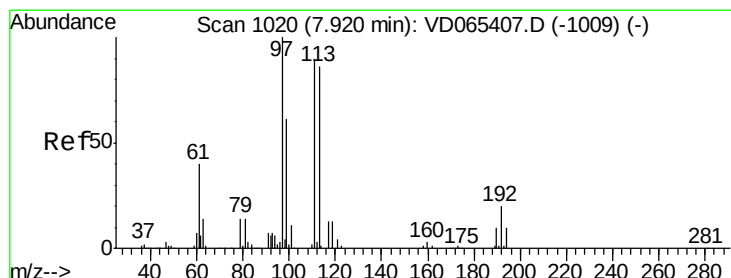
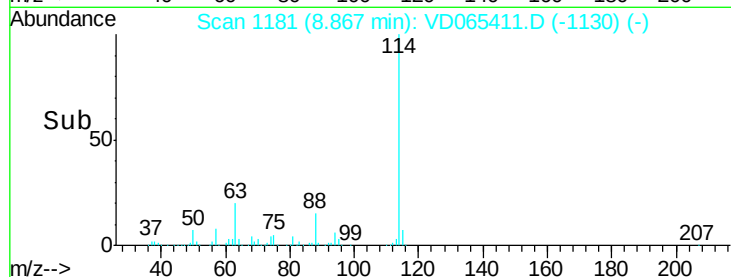
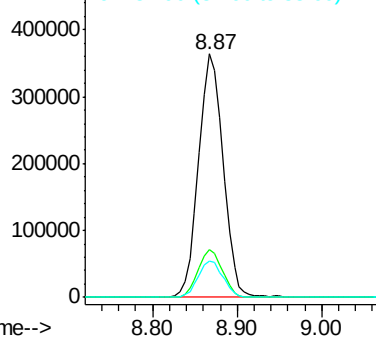
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.6
88	14.9	0.0	30.4

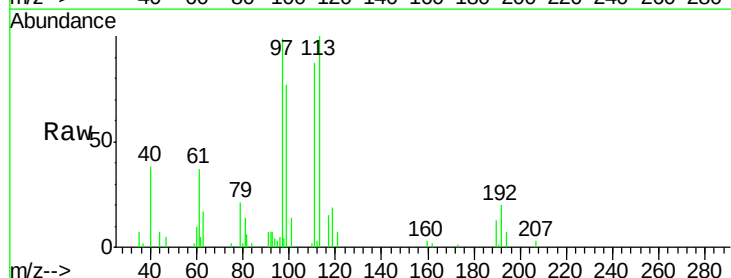


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

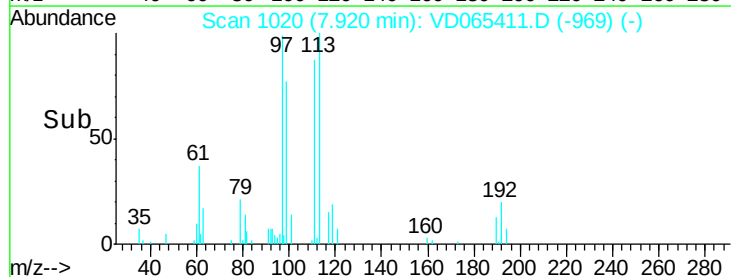
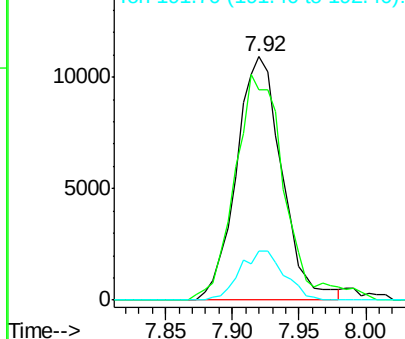


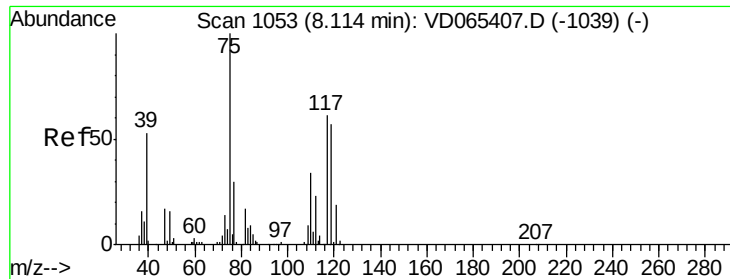
#35
 Dibromofluoromethane
 Concen: 5.71 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.1	123.1
192	19.8	17.2	25.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

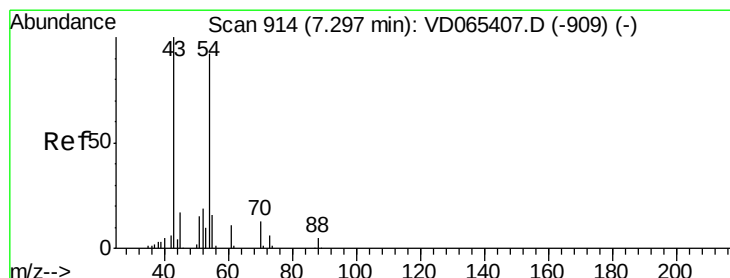
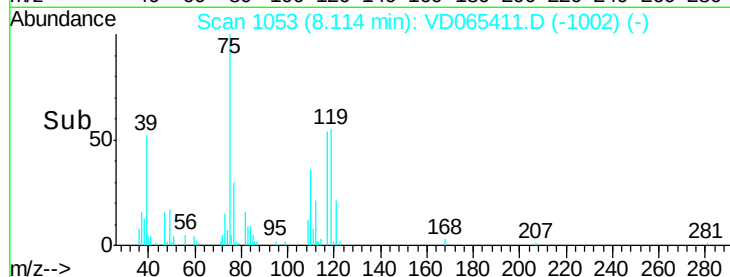
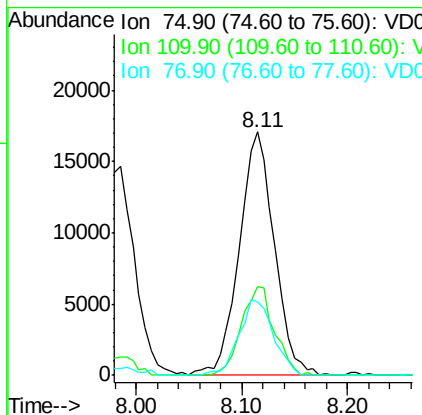
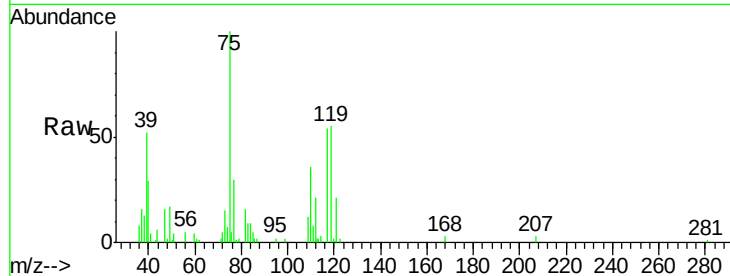




#36
 1,1-Dichloropropene
 Concen: 5.61 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

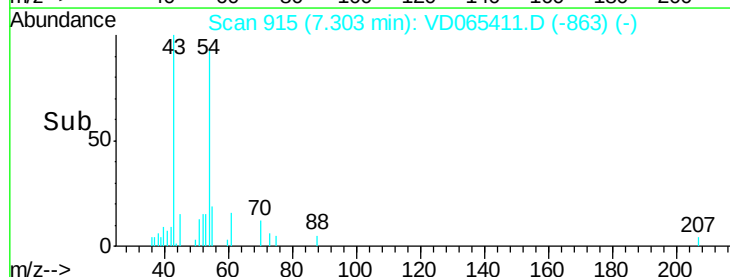
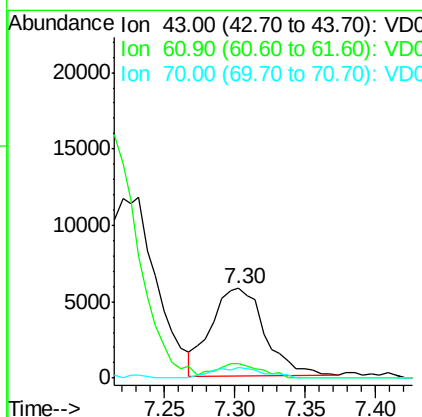
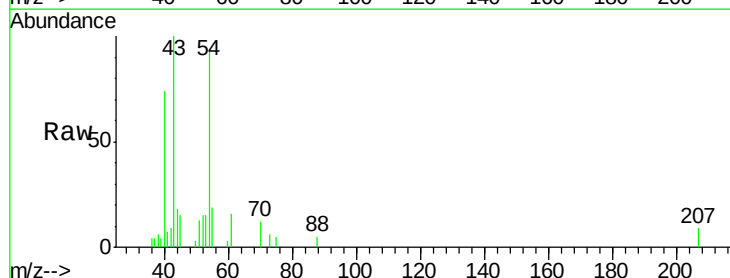
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

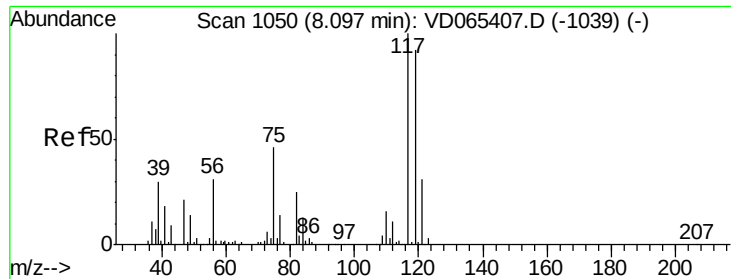
Tgt Ion: 75 Resp: 39357
 Ion Ratio Lower Upper
 75 100
 110 34.4 18.1 54.1
 77 30.4 25.2 37.8



#37
 Ethyl Acetate
 Concen: 5.52 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion: 43 Resp: 15151
 Ion Ratio Lower Upper
 43 100
 61 12.2 11.4 17.0
 70 11.7 9.0 13.4

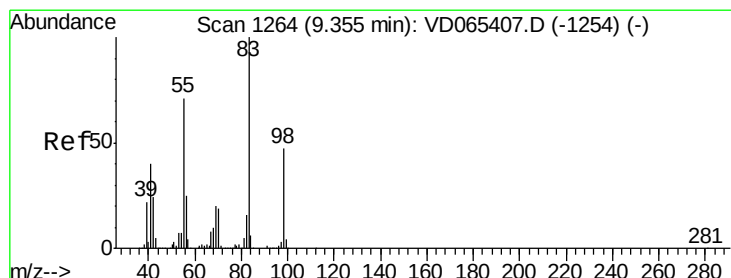
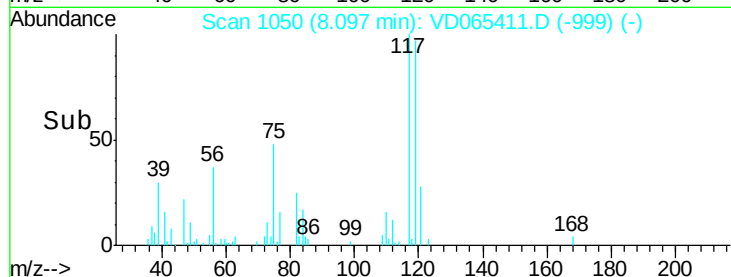
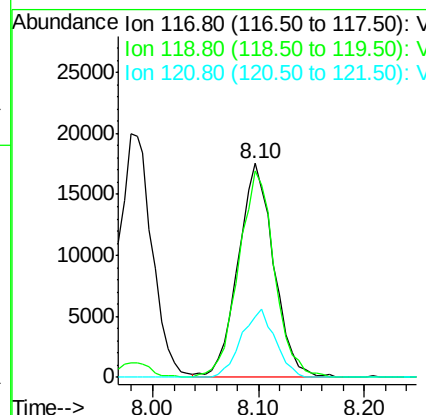
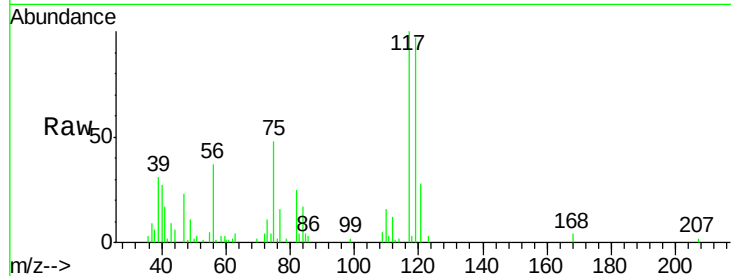




#38
Carbon Tetrachloride
Concen: 5.69 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

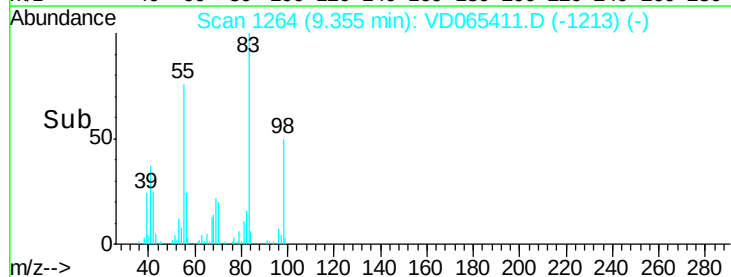
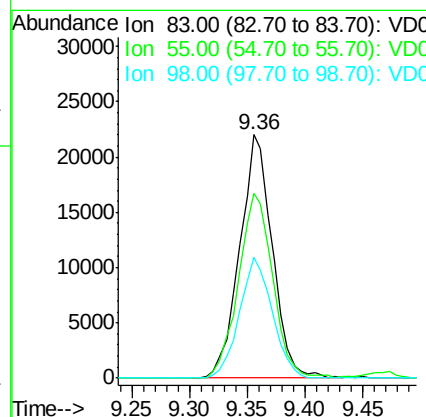
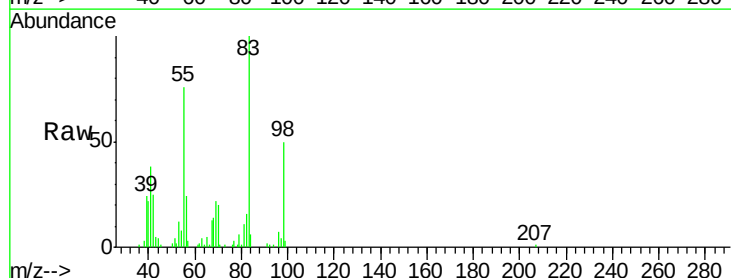
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

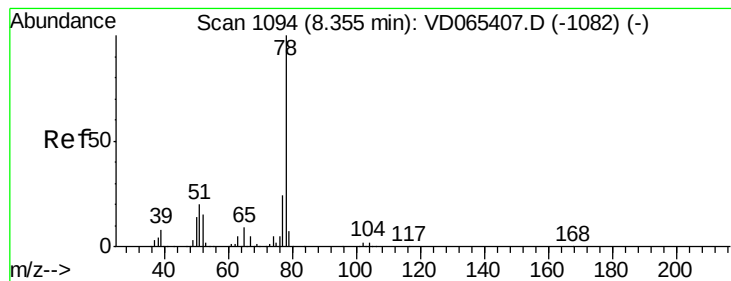
Tgt Ion: 117 Resp: 41188
Ion Ratio Lower Upper
117 100
119 96.6 73.3 109.9
121 28.1 25.0 37.4



#39
Methylcyclohexane
Concen: 5.14 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 83 Resp: 43117
Ion Ratio Lower Upper
83 100
55 76.0 57.1 85.7
98 49.6 37.8 56.8





#40

Benzene

Concen: 5.41 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

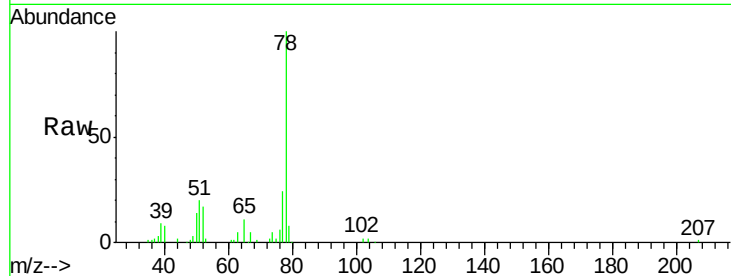
VSTDIC005

Tgt Ion: 78 Resp: 106460

Ion Ratio Lower Upper

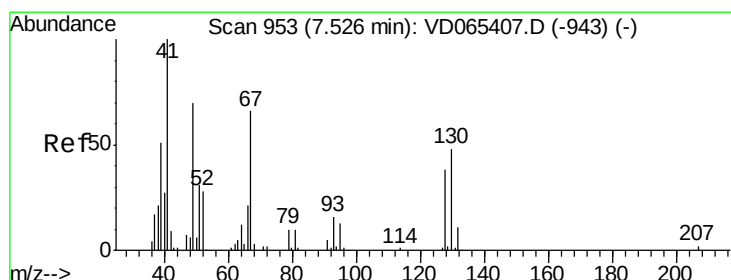
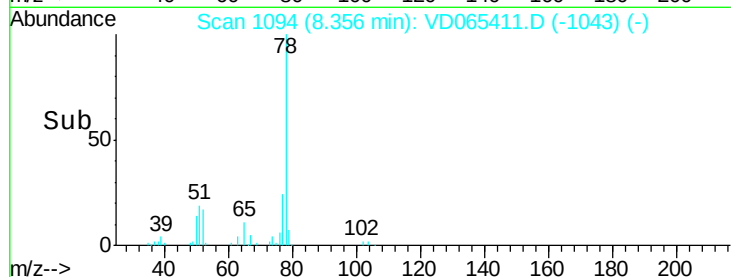
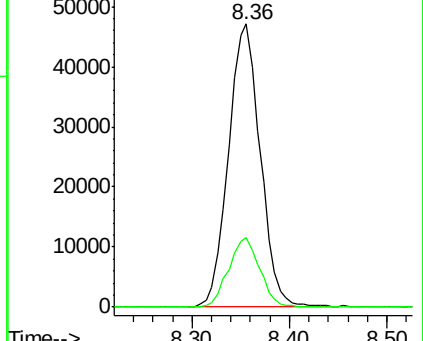
78 100

77 24.4 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC



#41

Methacrylonitrile

Concen: 5.40 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Tgt Ion: 41 Resp: 7535

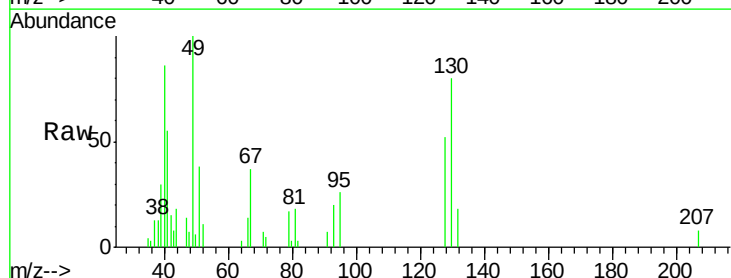
Ion Ratio Lower Upper

41 100

39 60.8 55.0 82.6

67 80.6 70.3 105.5

52 30.4 30.7 46.1#

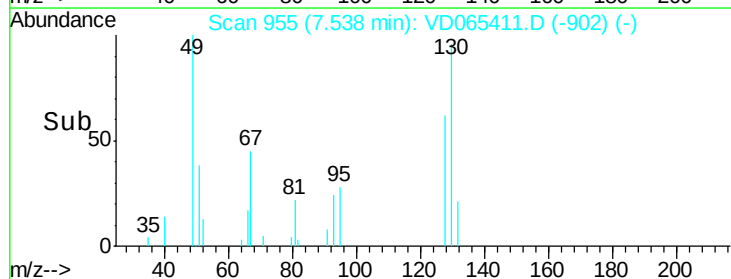
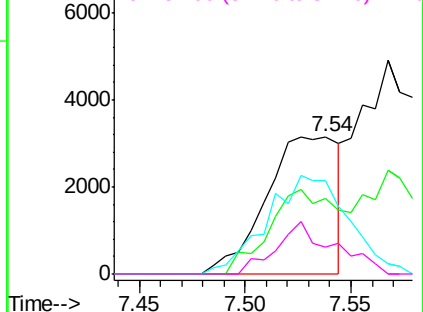


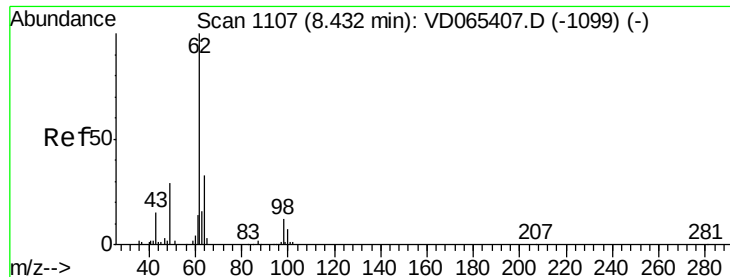
Abundance Ion 41.00 (40.70 to 41.70): VDC

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

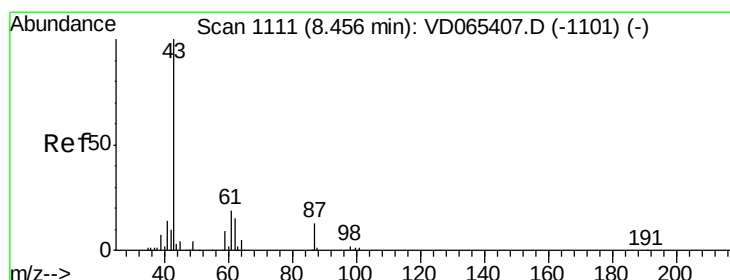
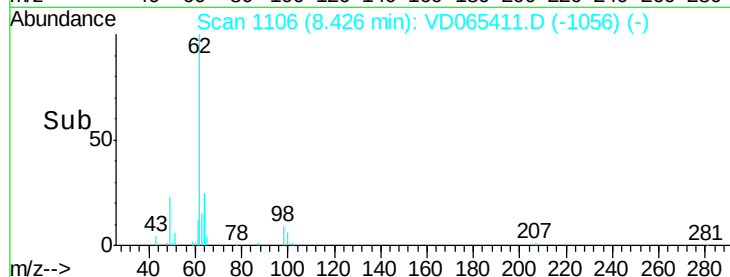
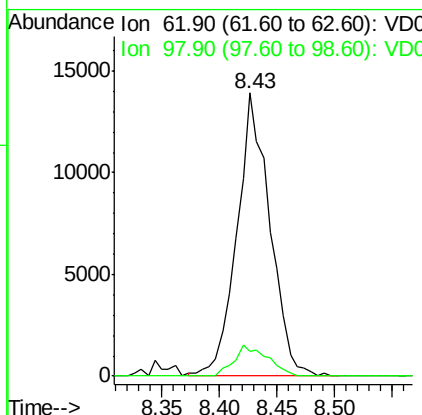
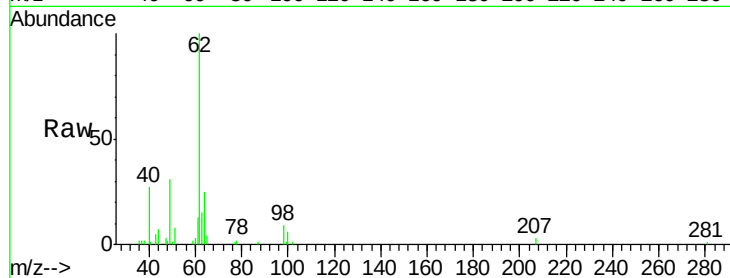




#42
 1,2-Dichloroethane
 Concen: 5.35 ug/l
 RT: 8.43 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

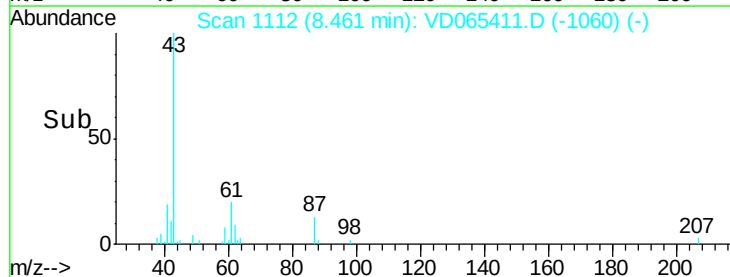
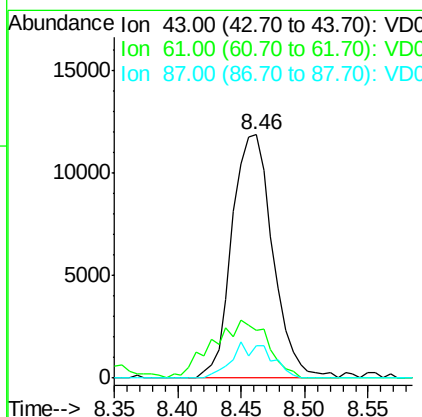
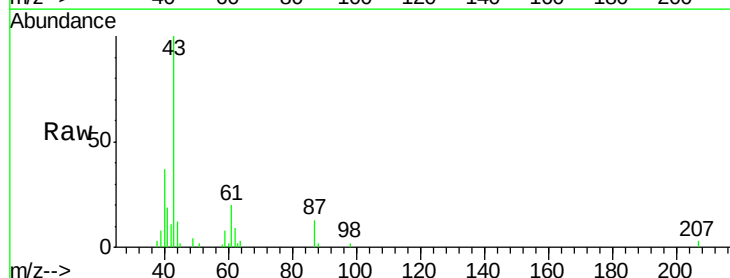
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

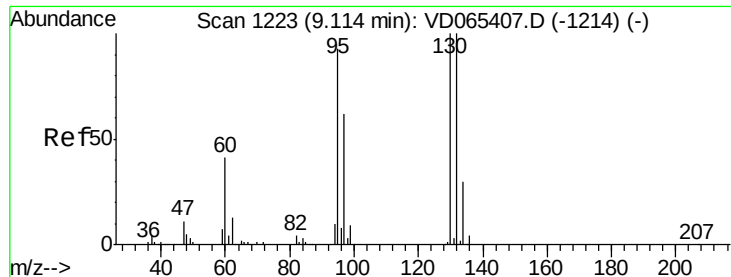
Tgt Ion: 62 Resp: 27680
 Ion Ratio Lower Upper
 62 100
 98 11.1 0.0 21.4



#43
 Isopropyl Acetate
 Concen: 5.27 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion: 43 Resp: 26497
 Ion Ratio Lower Upper
 43 100
 61 32.5 25.0 37.6
 87 13.8 11.0 16.4

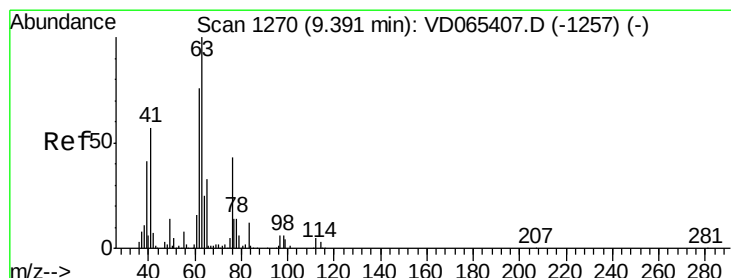
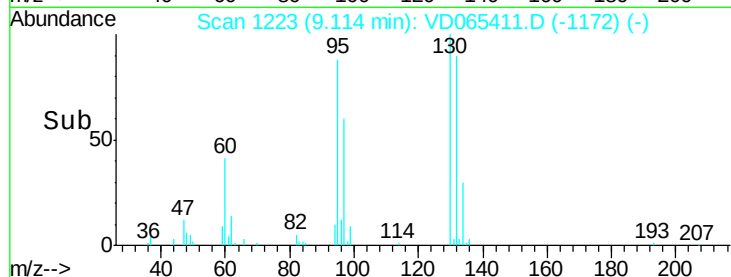
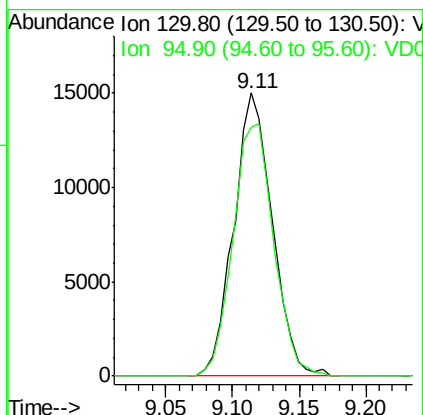
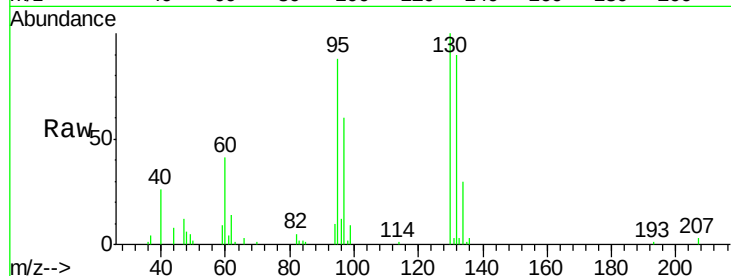




#44
 Trichloroethene
 Concen: 5.45 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

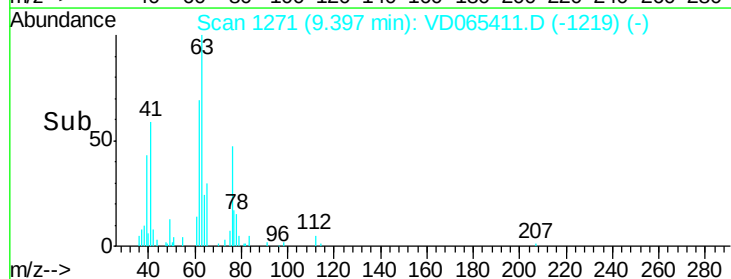
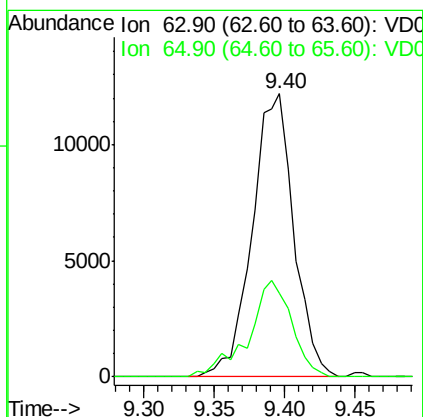
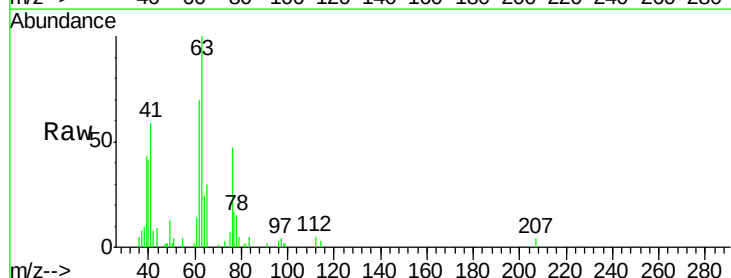
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

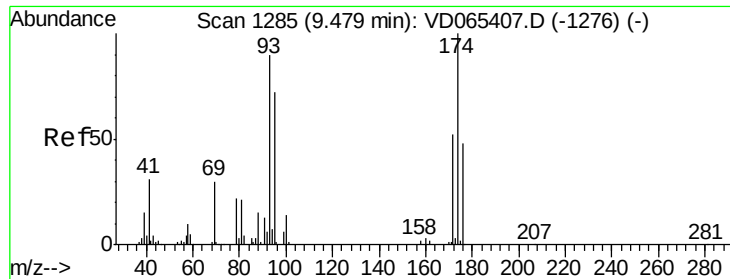
Tgt Ion: 130 Resp: 30111
 Ion Ratio Lower Upper
 130 100
 95 87.8 0.0 186.0



#45
 1,2-Dichloropropane
 Concen: 5.27 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion: 63 Resp: 25154
 Ion Ratio Lower Upper
 63 100
 65 29.5 26.4 39.6

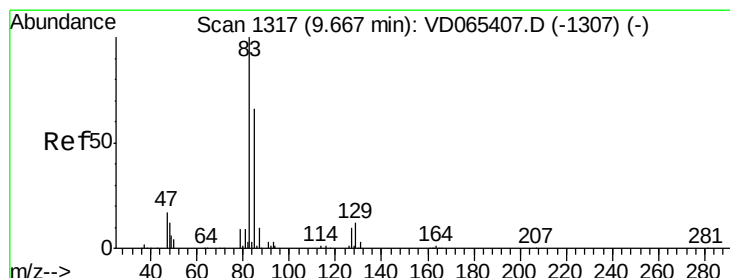
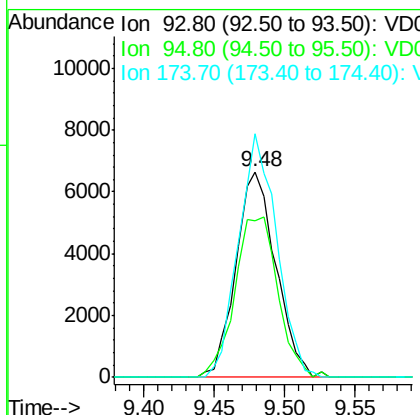
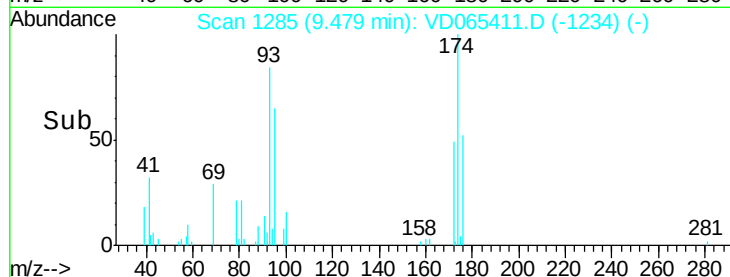
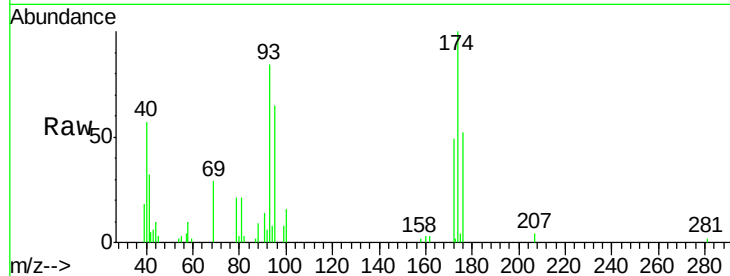




#46
Dibromomethane
Concen: 5.33 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

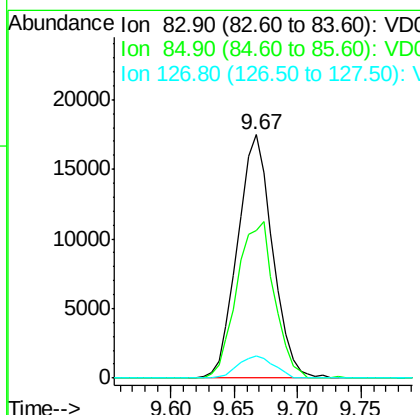
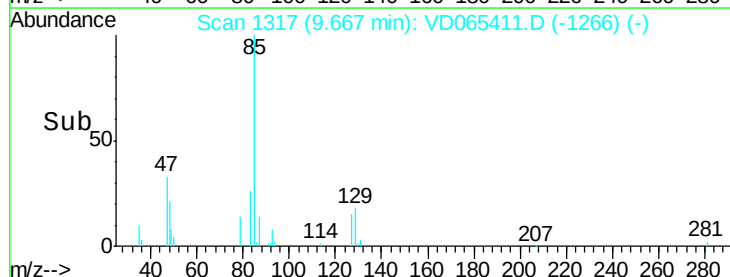
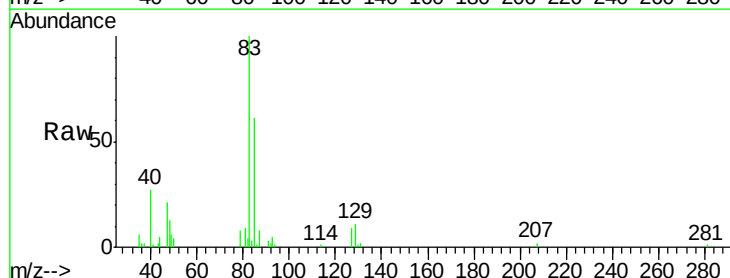
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

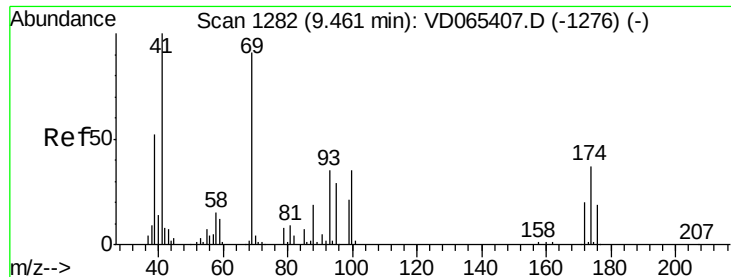
Tgt Ion: 93 Resp: 13226
Ion Ratio Lower Upper
93 100
95 83.8 65.0 97.6
174 113.0 88.3 132.5



#47
Bromodichloromethane
Concen: 5.20 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 83 Resp: 33490
Ion Ratio Lower Upper
83 100
85 60.7 52.8 79.2
127 8.9 8.0 12.0

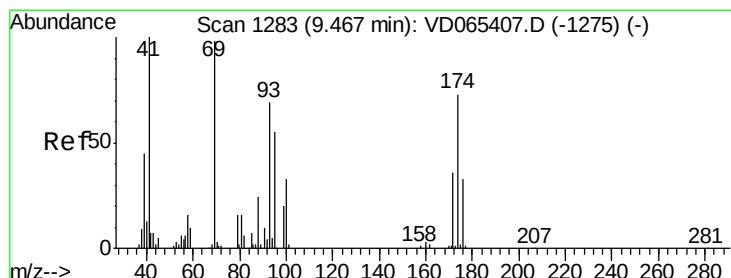
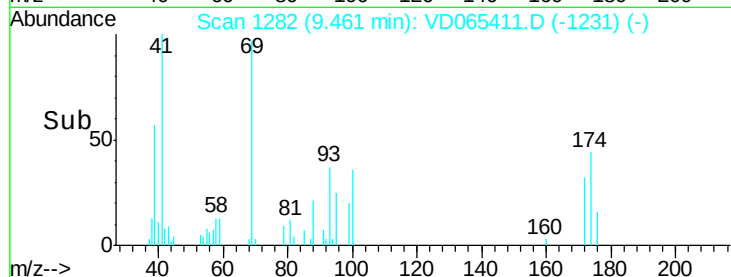
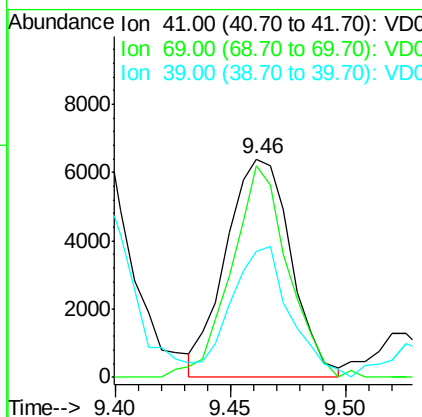
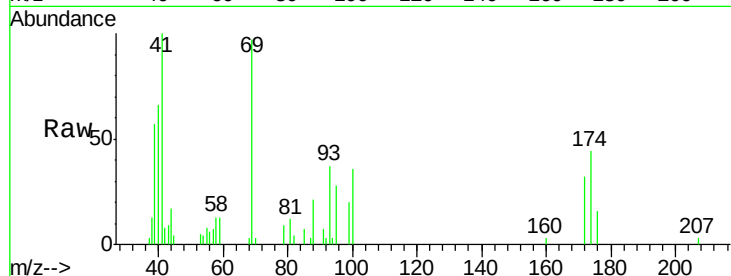




#48
Methyl methacrylate
Concen: 5.28 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

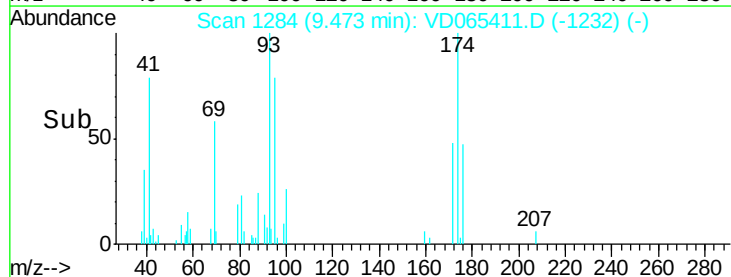
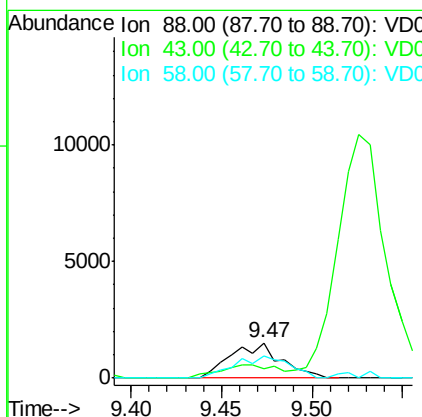
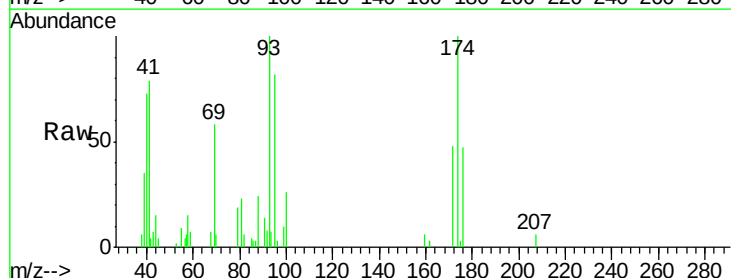
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

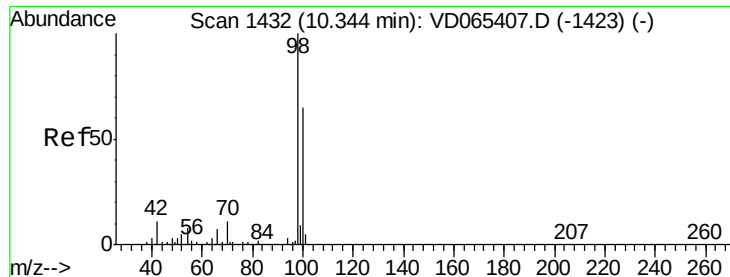
Tgt Ion: 41 Resp: 12560
Ion Ratio Lower Upper
41 100
69 84.1 72.5 108.7
39 54.3 41.6 62.4



#49
1,4-Dioxane
Concen: 102.79 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 88 Resp: 2938
Ion Ratio Lower Upper
88 100
43 41.8 24.5 36.7#
58 66.6 54.5 81.7





#50

Toluene-d8

Concen: 5.37 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

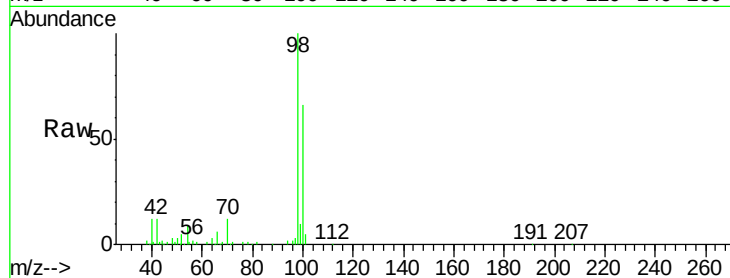
VSTDIC005

Tgt Ion: 98 Resp: 93220

Ion Ratio Lower Upper

98 100

100 65.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

60000

50000

40000

30000

20000

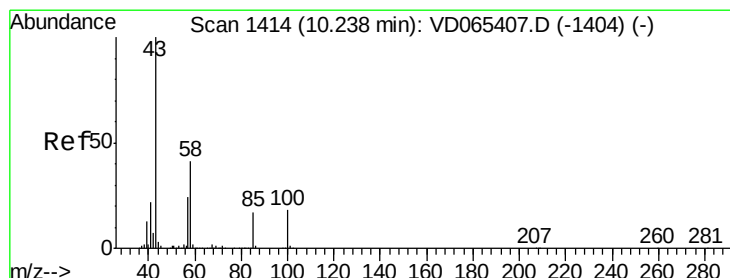
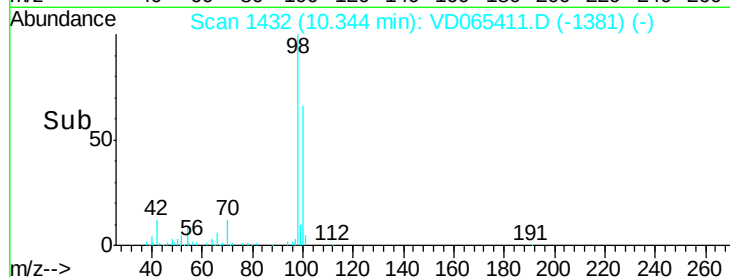
10000

0

Time-->

10.30

10.40



#51

4-Methyl-2-Pentanone

Concen: 24.14 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065411.D

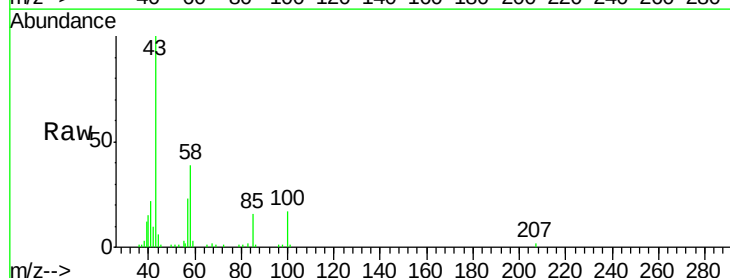
Acq: 04 Mar 2020 14:15

Tgt Ion: 43 Resp: 61334

Ion Ratio Lower Upper

43 100

58 38.4 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

40000

30000

20000

10000

0

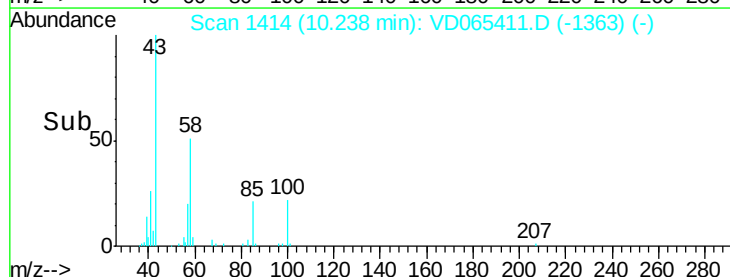
Time-->

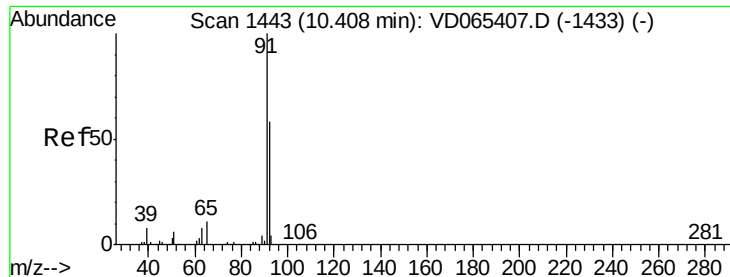
10.15

10.20

10.25

10.30





#52

Toluene

Concen: 5.31 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

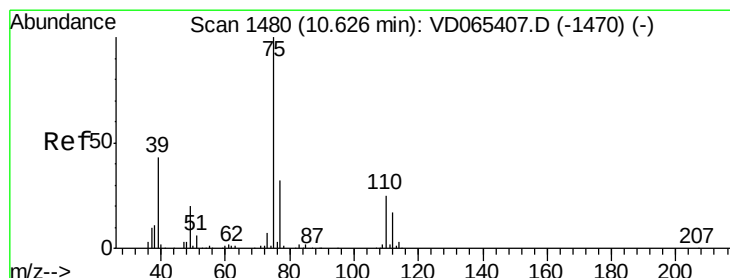
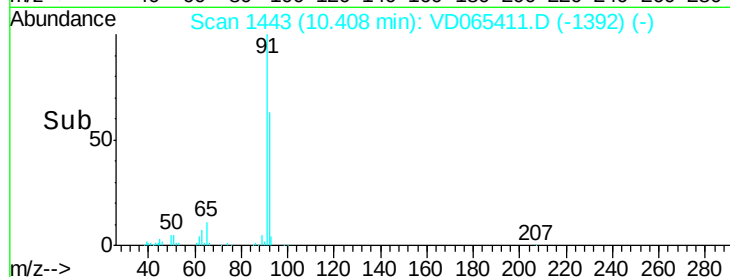
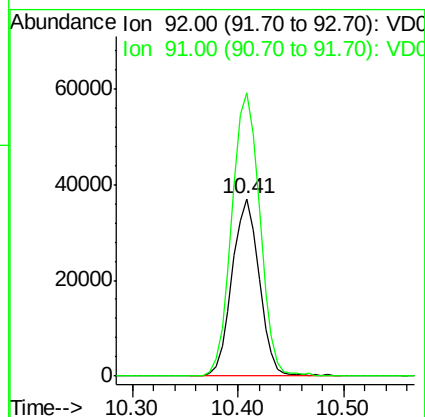
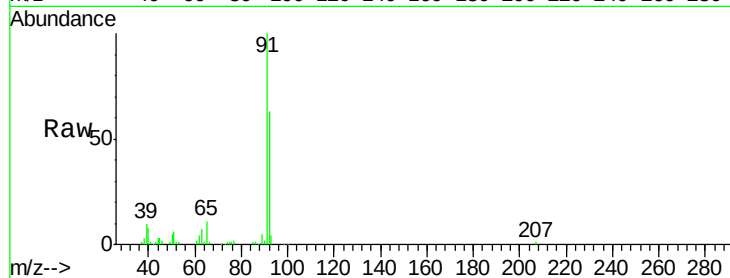
VSTDIC005

Tgt Ion: 92 Resp: 65908

Ion Ratio Lower Upper

92 100

91 164.9 137.8 206.8



#53

t-1,3-Dichloropropene

Concen: 5.05 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065411.D

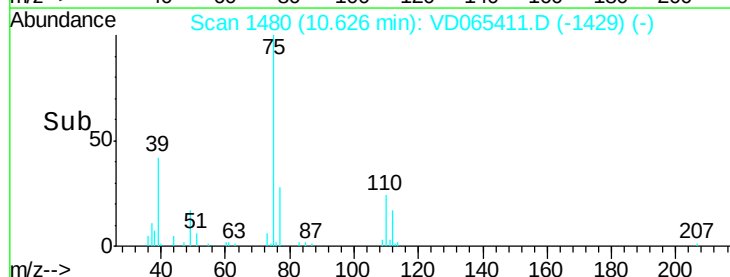
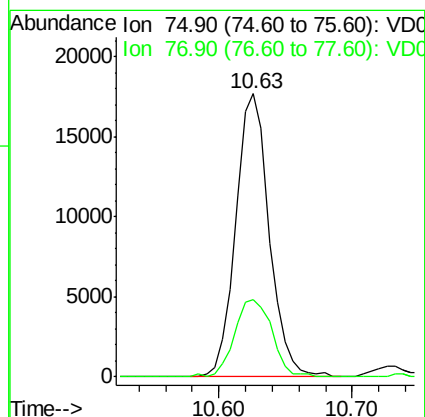
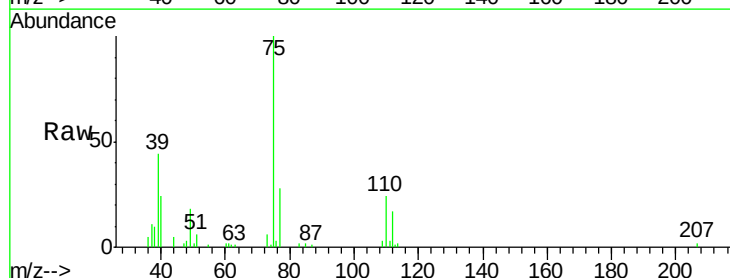
Acq: 04 Mar 2020 14:15

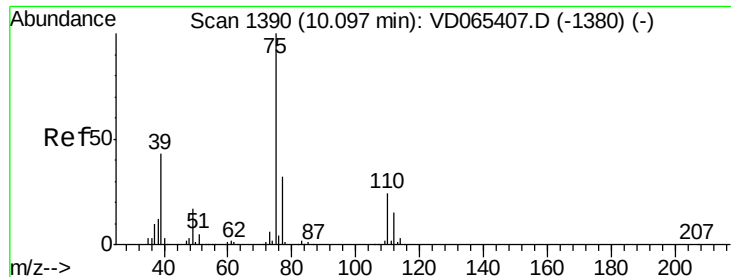
Tgt Ion: 75 Resp: 30628

Ion Ratio Lower Upper

75 100

77 27.5 25.4 38.2





#54

cis-1,3-Dichloropropene

Concen: 4.79 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

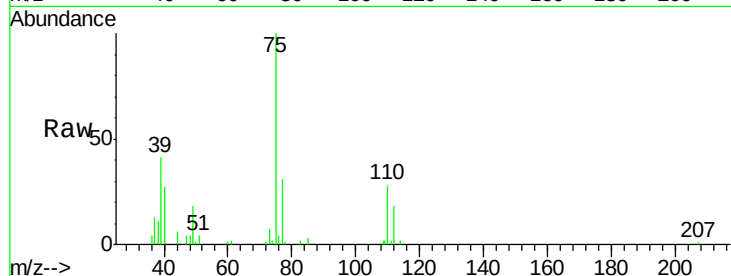
Tgt Ion: 75 Resp: 35056

Ion Ratio Lower Upper

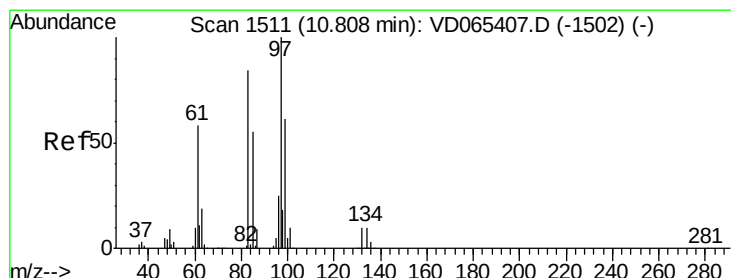
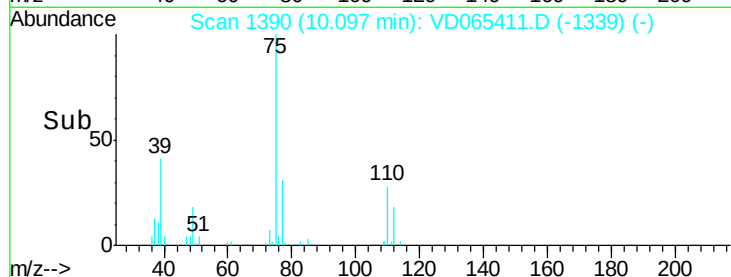
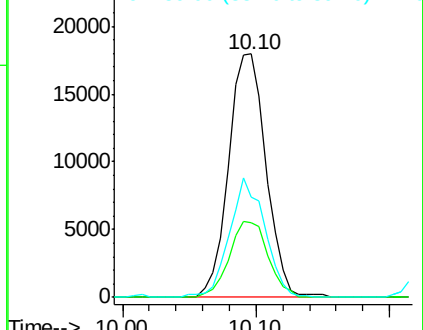
75 100

77 30.6 25.3 37.9

39 41.3 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 76.90 (76.60 to 77.60): VDC
Ion 39.00 (38.70 to 39.70): VDC



#55

1,1,2-Trichloroethane

Concen: 5.45 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Tgt Ion: 97 Resp: 19136

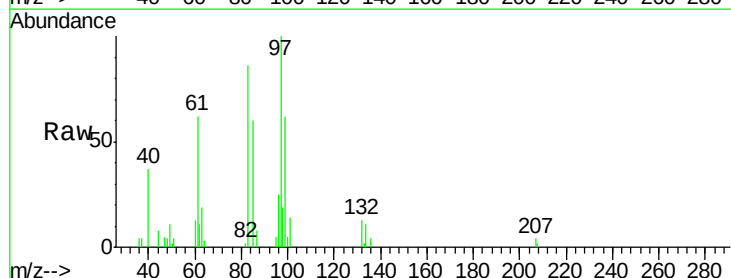
Ion Ratio Lower Upper

97 100

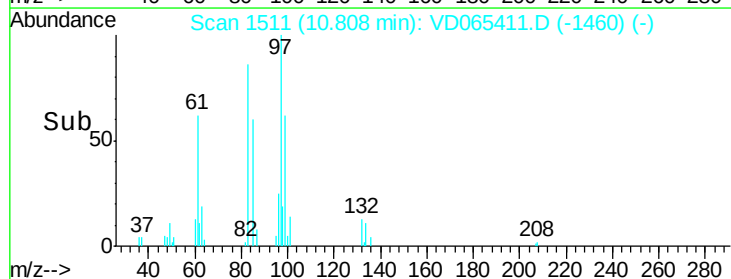
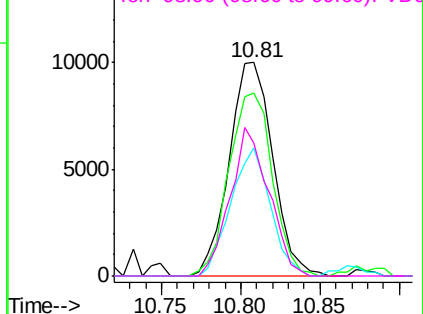
83 85.6 67.4 101.0

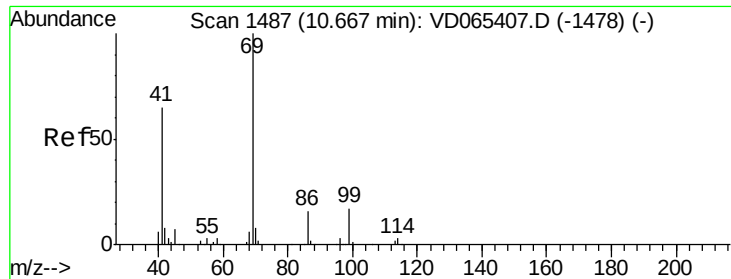
85 59.8 43.8 65.8

99 62.3 48.8 73.2



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

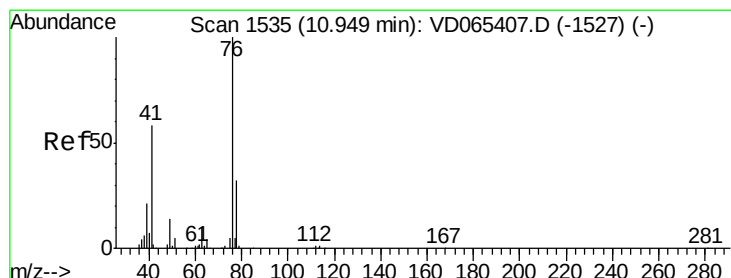
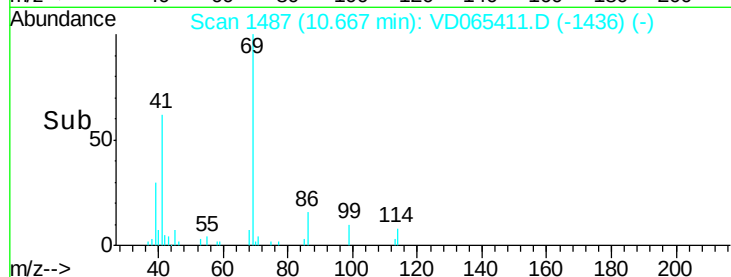
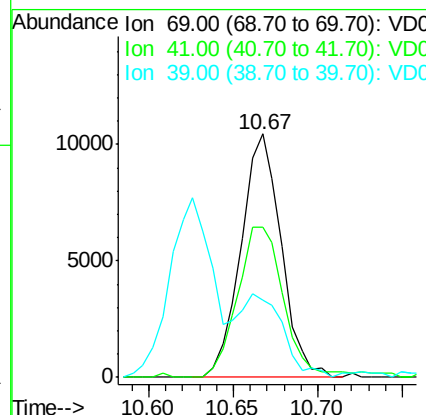
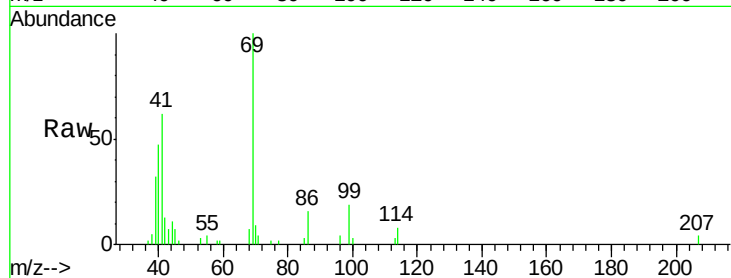




#56
Ethyl methacrylate
Concen: 4.34 ug/l
RT: 10.67 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

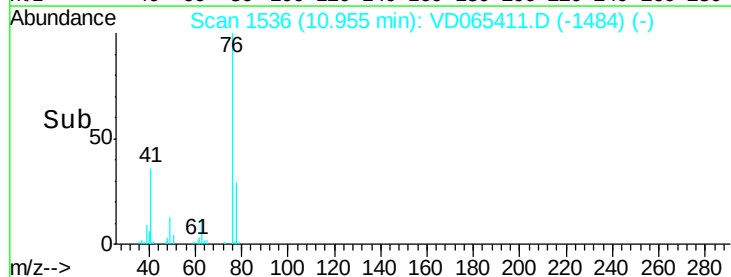
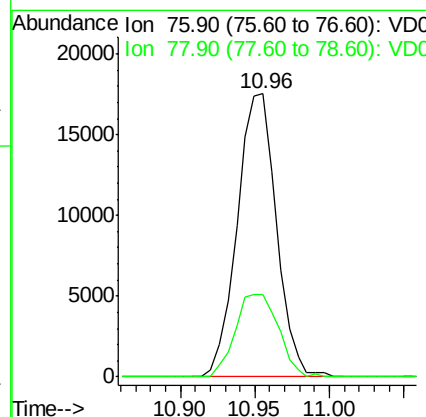
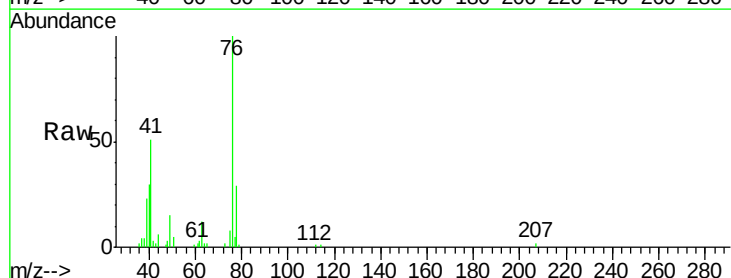
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

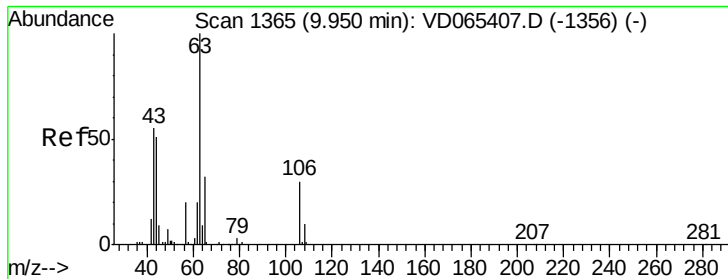
Tgt Ion: 69 Resp: 17288
Ion Ratio Lower Upper
69 100
41 71.0 53.0 79.6
39 35.1 26.0 39.0



#57
1,3-Dichloropropane
Concen: 5.37 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 76 Resp: 32004
Ion Ratio Lower Upper
76 100
78 32.0 26.0 39.0

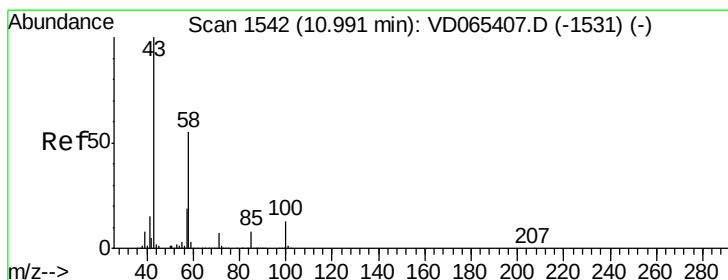
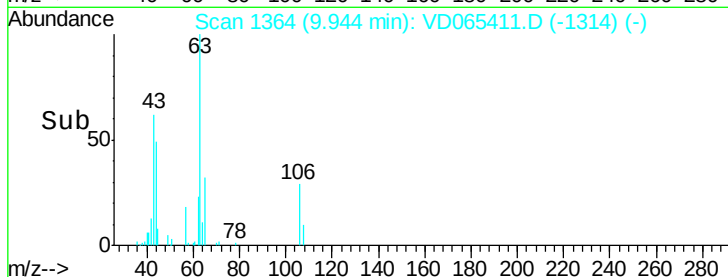
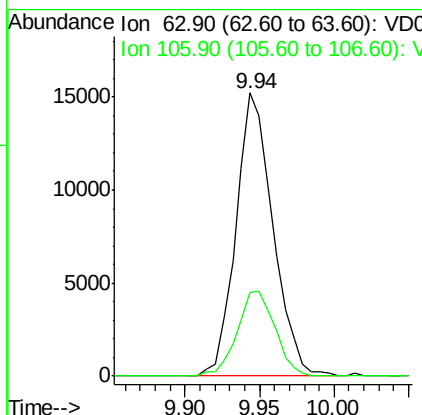
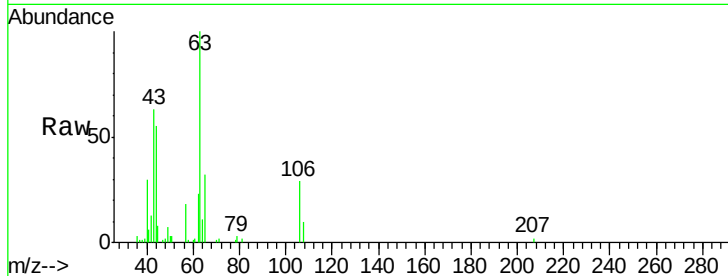




#58
 2-Chloroethyl Vinyl ether
 Concen: 18.46 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

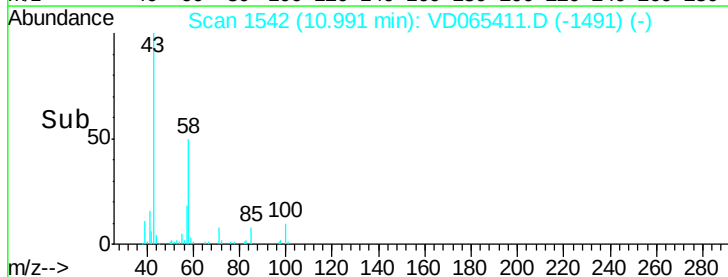
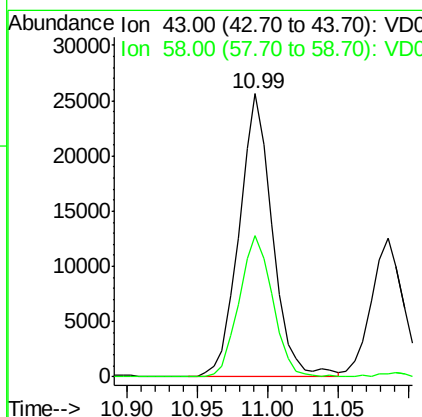
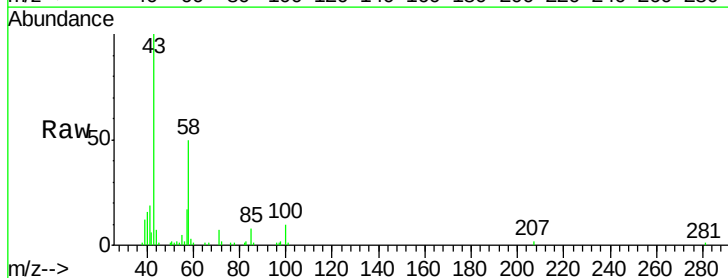
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

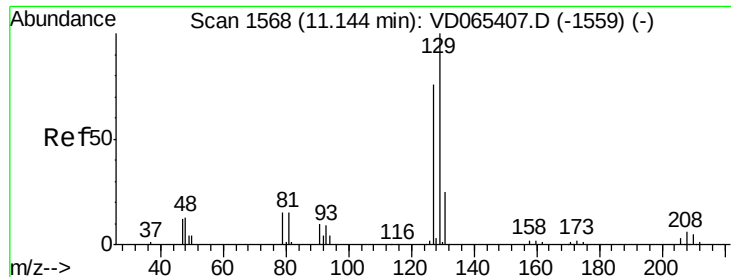
Tgt Ion: 63 Resp: 26133
 Ion Ratio Lower Upper
 63 100
 106 30.7 23.3 34.9



#59
 2-Hexanone
 Concen: 23.97 ug/l
 RT: 10.99 min Scan# 1542
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion: 43 Resp: 42226
 Ion Ratio Lower Upper
 43 100
 58 50.2 27.4 82.2





#60

Dibromochloromethane

Concen: 5.43 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

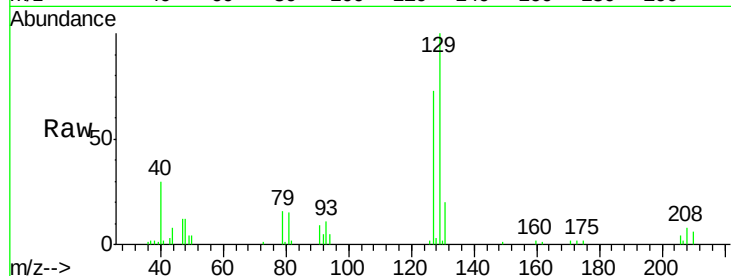
VSTDIC005

Tgt Ion:129 Resp: 24555

Ion Ratio Lower Upper

129 100

127 78.2 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.14

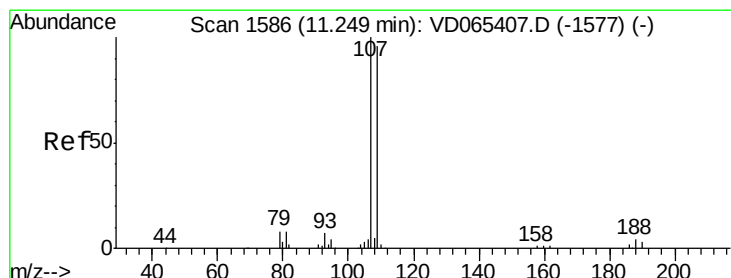
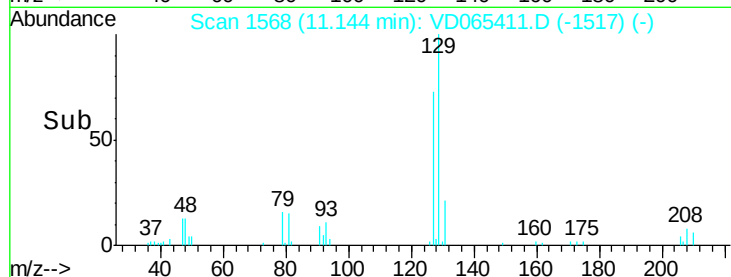
15000

10000

5000

0

Time-->



#61

1,2-Dibromoethane

Concen: 5.40 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065411.D

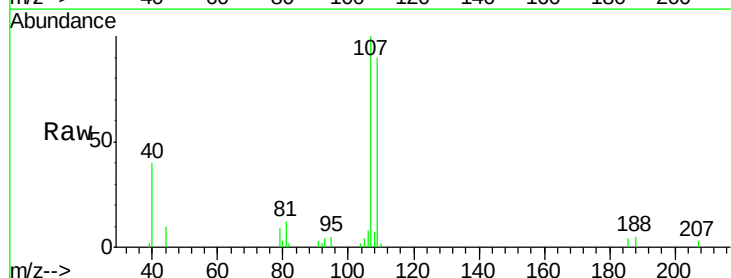
Acq: 04 Mar 2020 14:15

Tgt Ion:107 Resp: 18101

Ion Ratio Lower Upper

107 100

109 92.0 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

12000

10000

8000

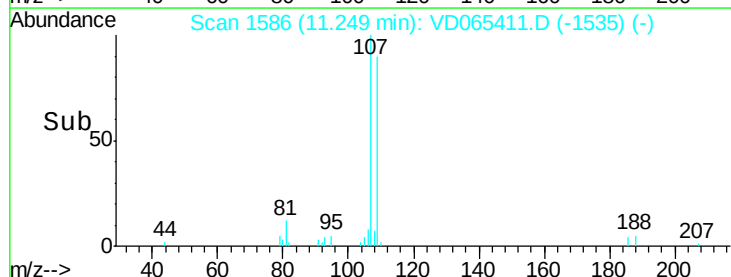
6000

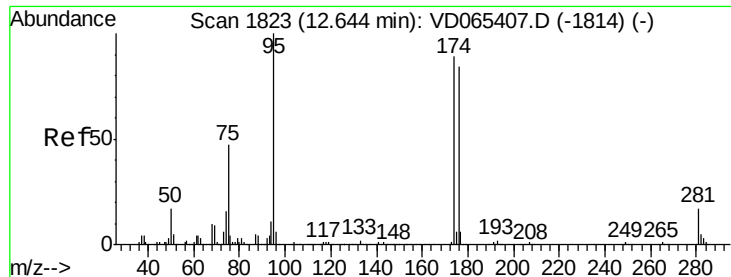
4000

2000

0

Time-->

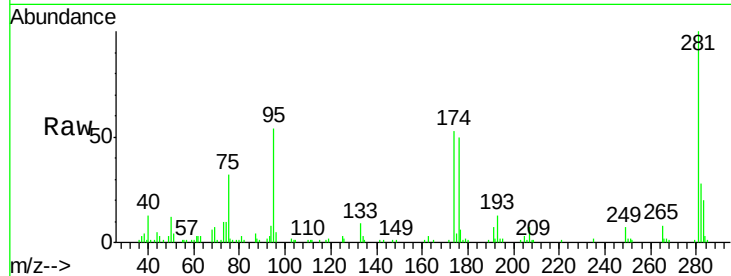




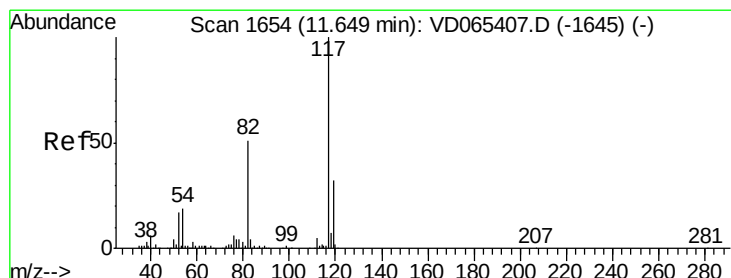
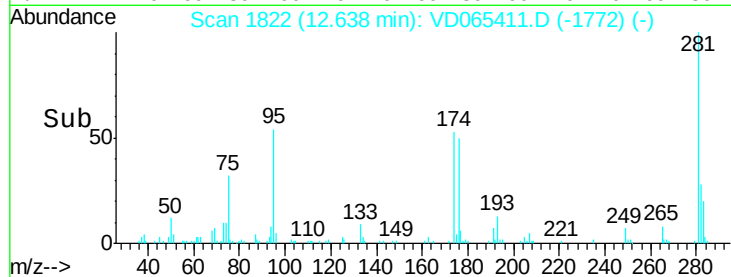
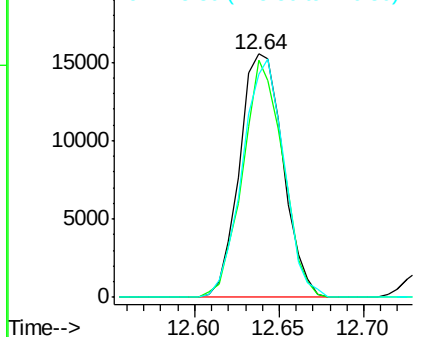
#62
4-Bromofluorobenzene
Concen: 5.13 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 95 Resp: 27862
Ion Ratio Lower Upper
95 100
174 90.7 0.0 176.8
176 93.2 0.0 171.4

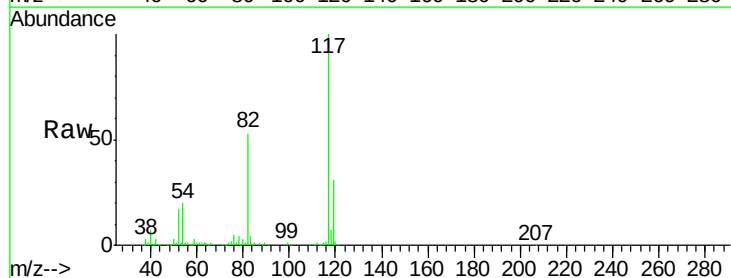


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

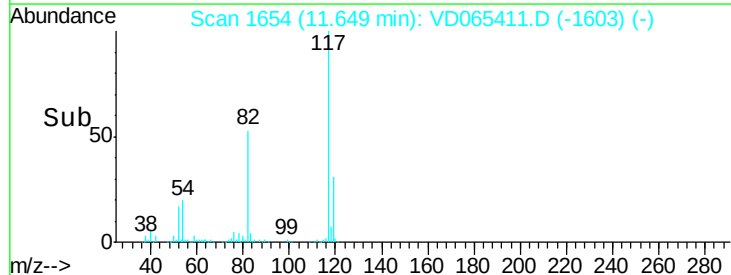
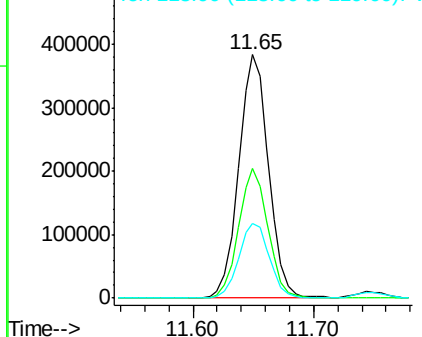


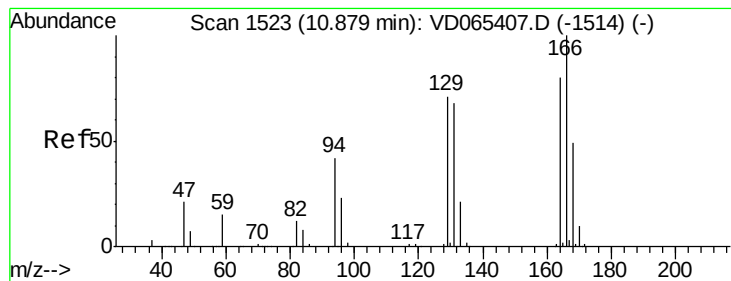
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 117 Resp: 657420
Ion Ratio Lower Upper
117 100
82 53.3 40.6 60.8
119 30.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 5.54 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 26166

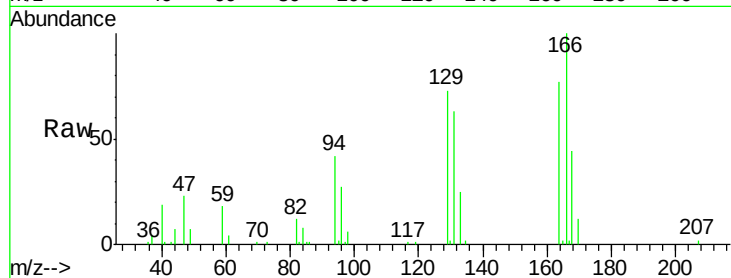
Ion Ratio Lower Upper

164 100

166 129.2 100.5 150.7

129 94.5 71.5 107.3

131 81.4 68.5 102.7



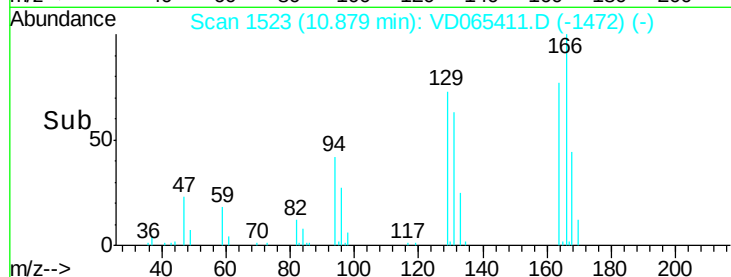
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Abundance

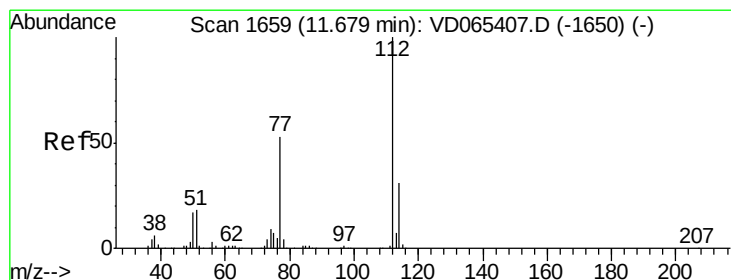
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#65

Chlorobenzene

Concen: 5.50 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065411.D

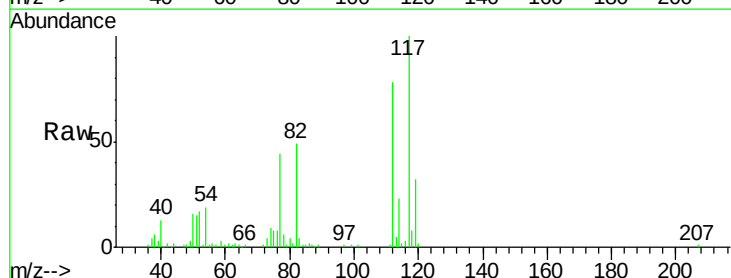
Acq: 04 Mar 2020 14:15

Tgt Ion:112 Resp: 71987

Ion Ratio Lower Upper

112 100

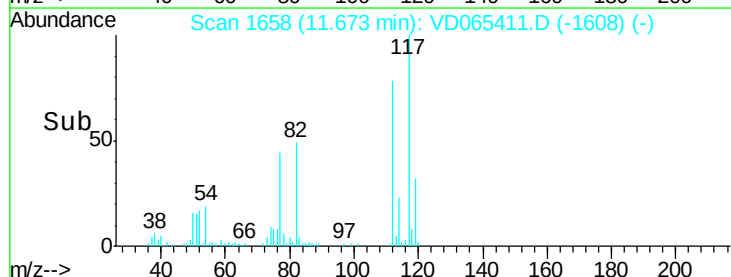
114 30.1 24.4 36.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->

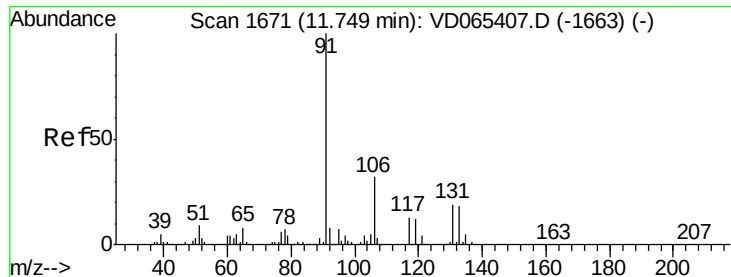


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 5.40 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

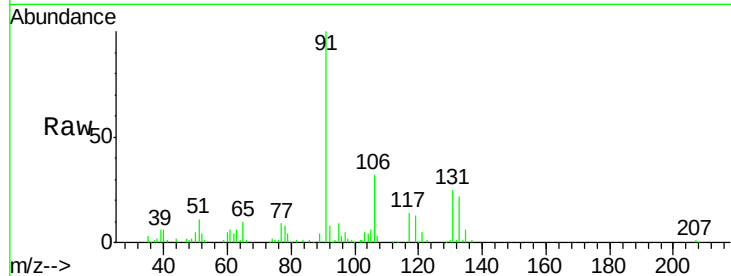
Tgt Ion:131 Resp: 25792

Ion Ratio Lower Upper

131 100

133 98.4 49.2 147.6

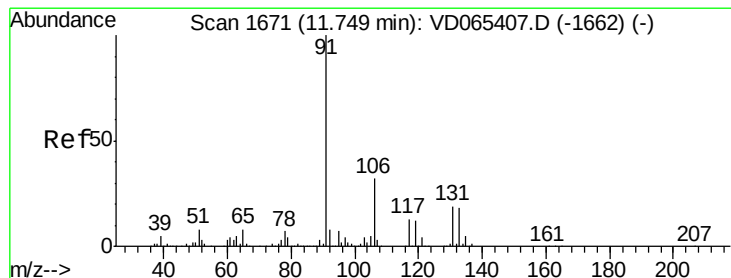
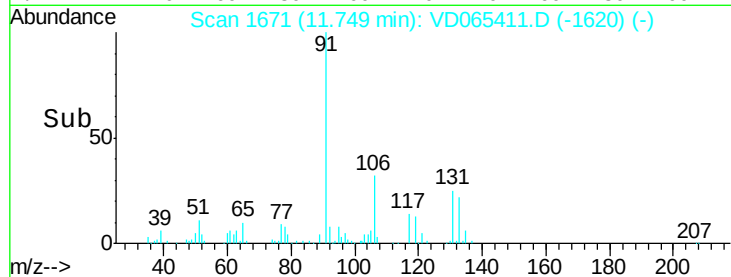
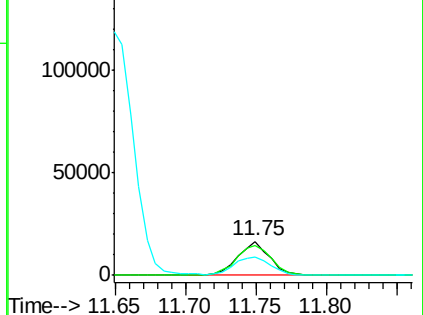
119 63.6 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 5.12 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065411.D

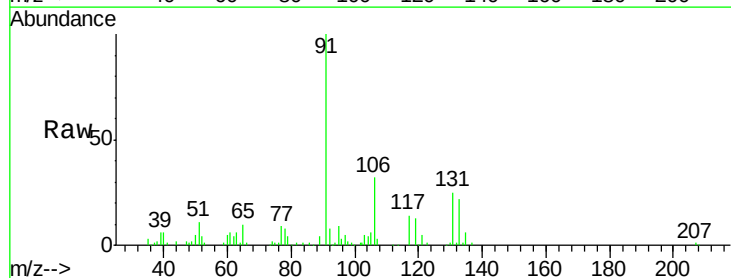
Acq: 04 Mar 2020 14:15

Tgt Ion: 91 Resp: 115514

Ion Ratio Lower Upper

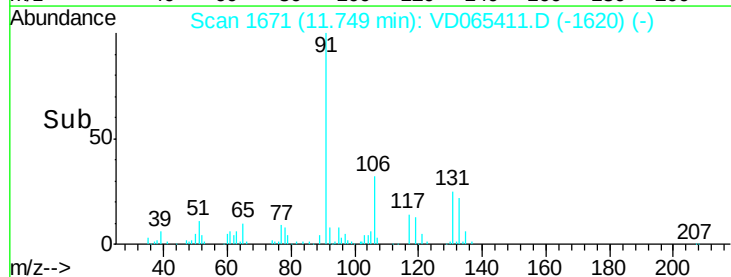
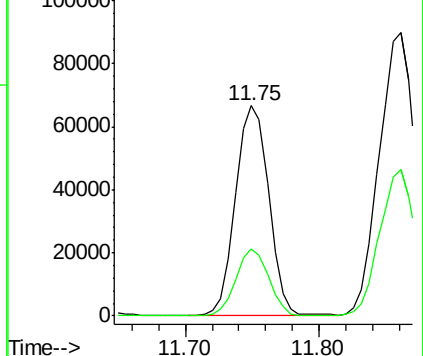
91 100

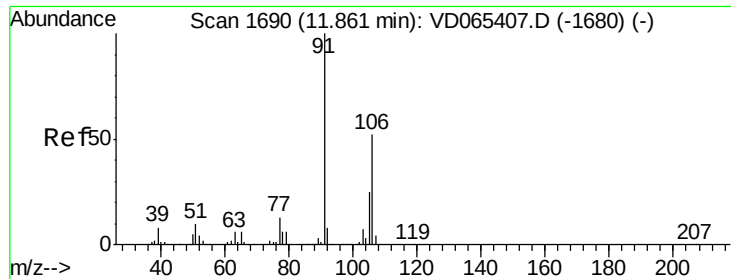
106 32.0 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

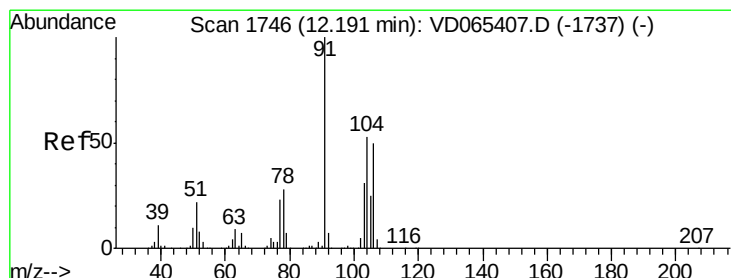
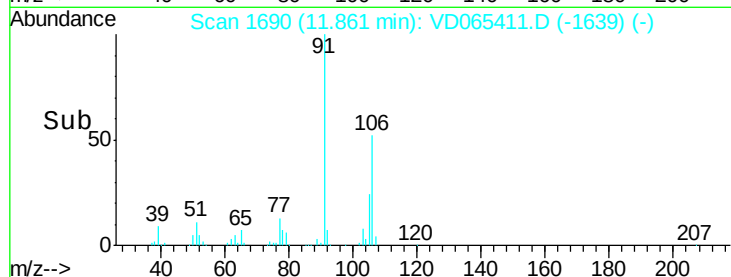
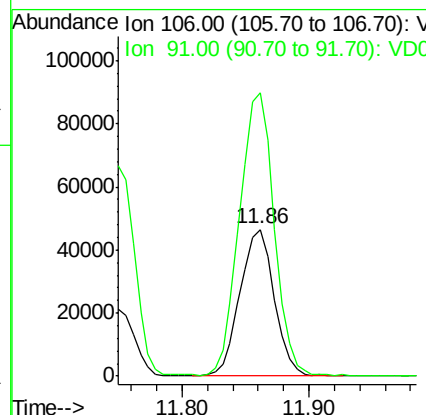
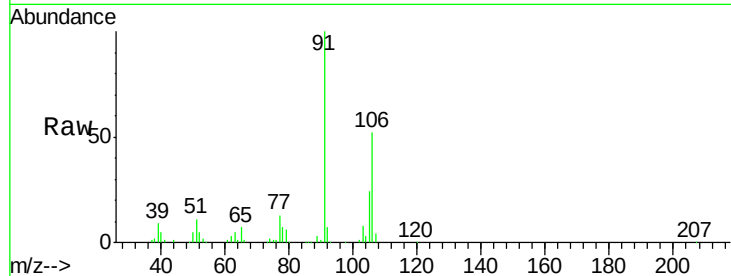




#68
m/p-Xylenes
Concen: 10.05 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

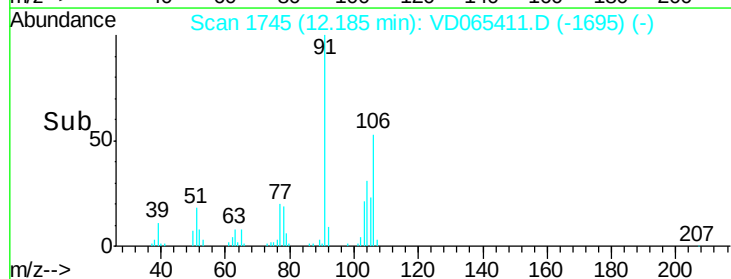
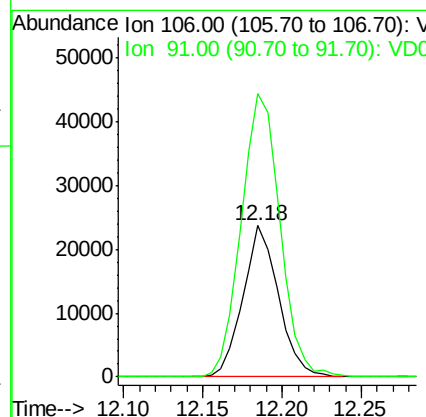
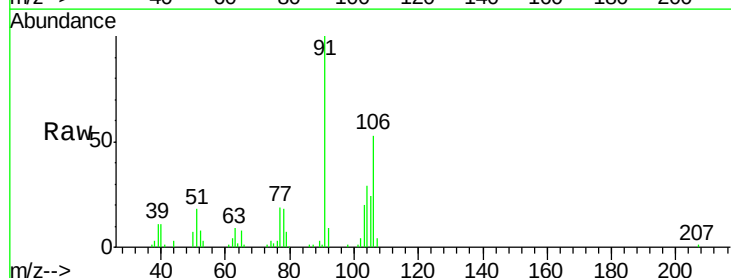
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

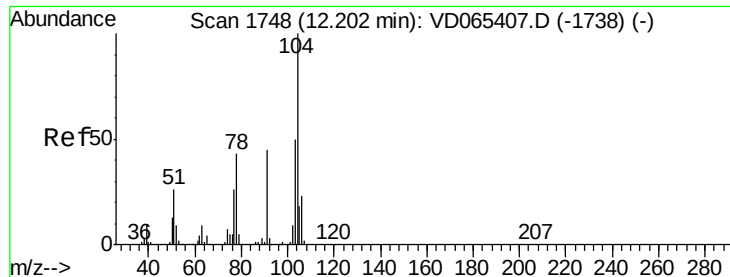
Tgt Ion:106 Resp: 87326
Ion Ratio Lower Upper
106 100
91 196.2 155.9 233.9



#69
o-Xylene
Concen: 4.82 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion:106 Resp: 36846
Ion Ratio Lower Upper
106 100
91 204.3 103.5 310.3





#70

Styrene

Concen: 4.78 ug/l

RT: 12.20 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

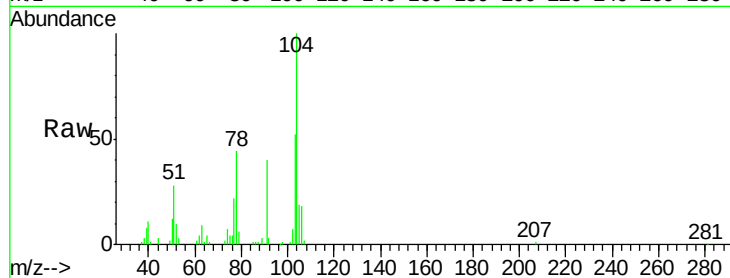
Tgt Ion:104 Resp: 64527

Ion Ratio Lower Upper

104 100

78 47.9 37.7 56.5

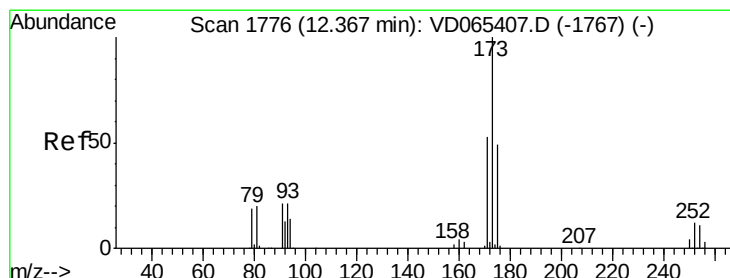
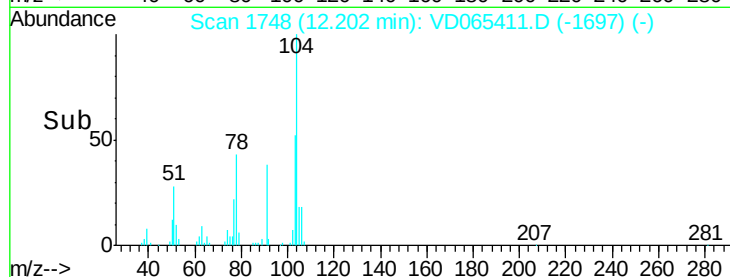
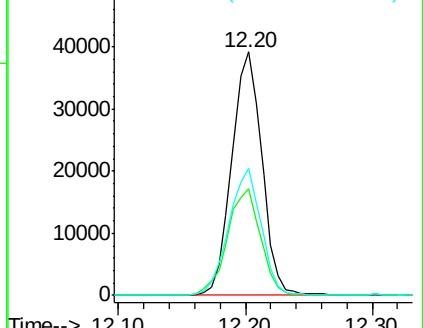
103 55.7 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 5.44 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

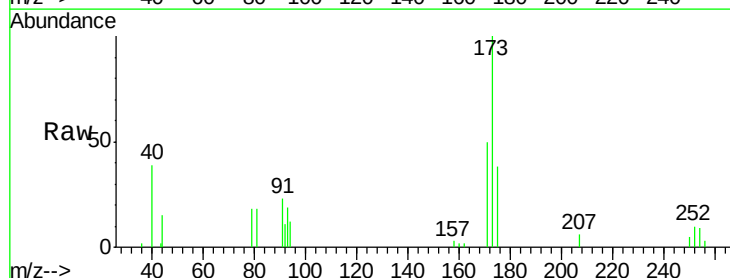
Tgt Ion:173 Resp: 14642

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

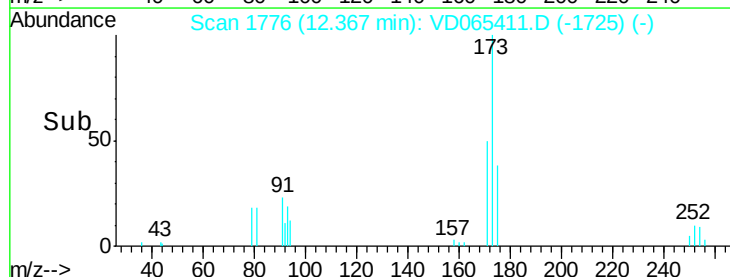
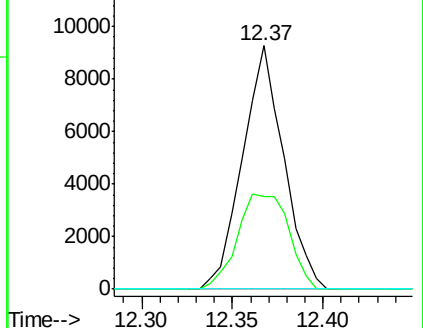
254 0.0 0.1 0.1#

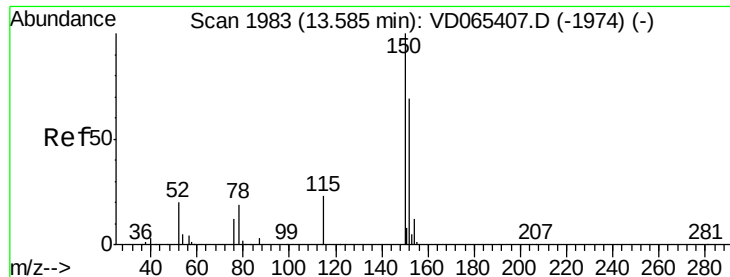


Abundance Ion 172.70 (172.40 to 173.40): V

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: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

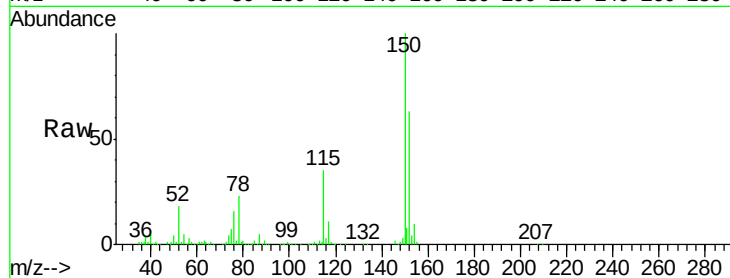
Tgt Ion:152 Resp: 317664

Ion Ratio Lower Upper

152 100

115 55.6 27.6 82.8

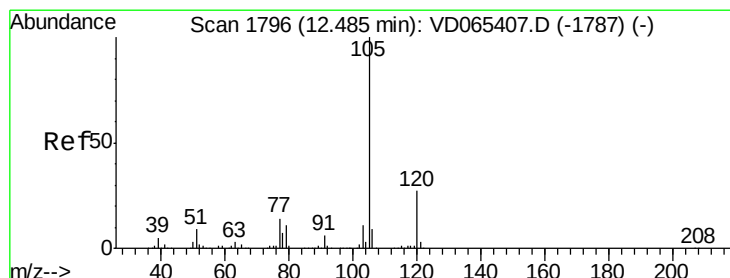
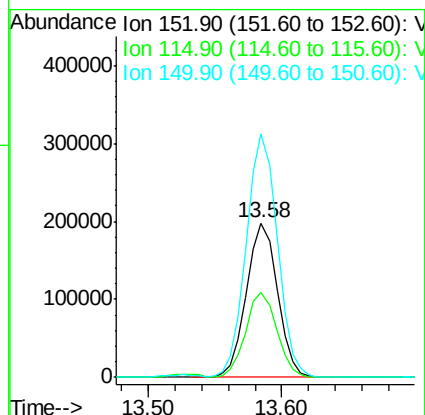
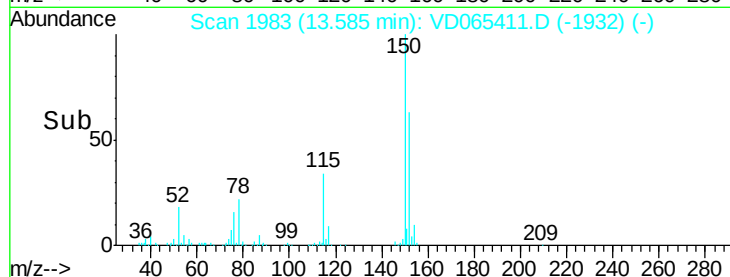
150 158.6 0.0 345.0



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: 4.97 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065411.D

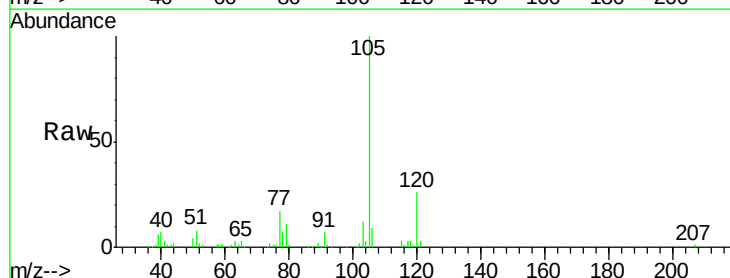
Acq: 04 Mar 2020 14:15

Tgt Ion:105 Resp: 103697

Ion Ratio Lower Upper

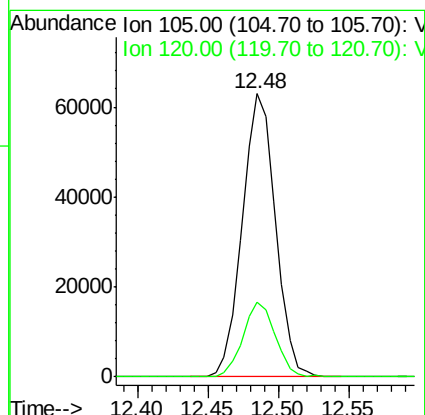
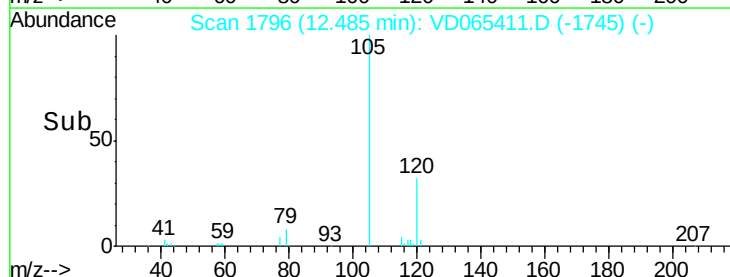
105 100

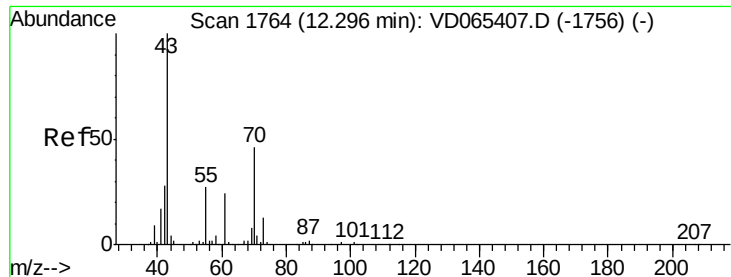
120 25.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 4.72 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 20348

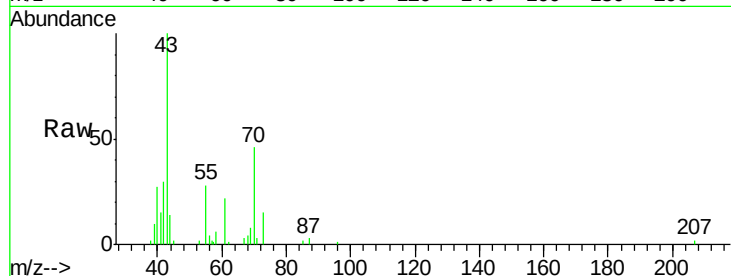
Ion Ratio Lower Upper

43 100

70 44.6 36.1 54.1

55 29.3 21.6 32.4

61 24.1 19.6 29.4

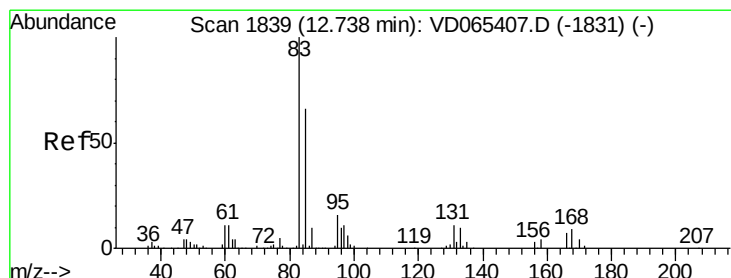
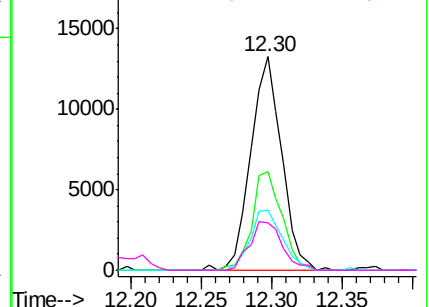
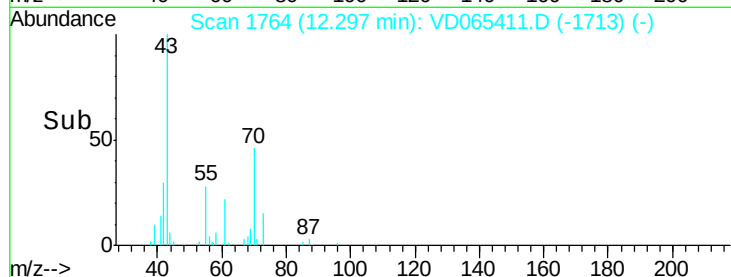


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 5.56 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

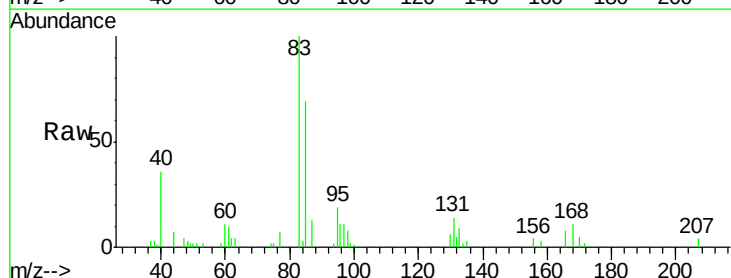
Tgt Ion: 83 Resp: 20594

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

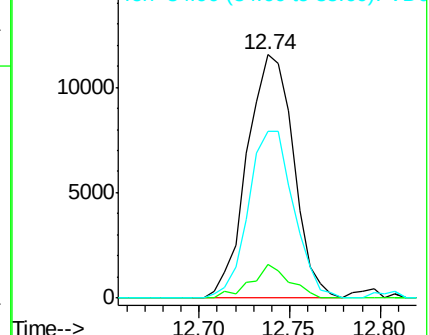
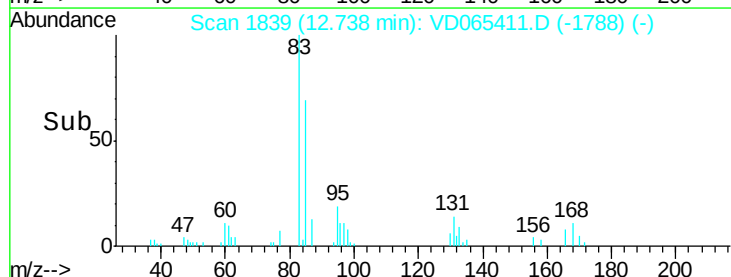
85 67.1 33.0 98.9

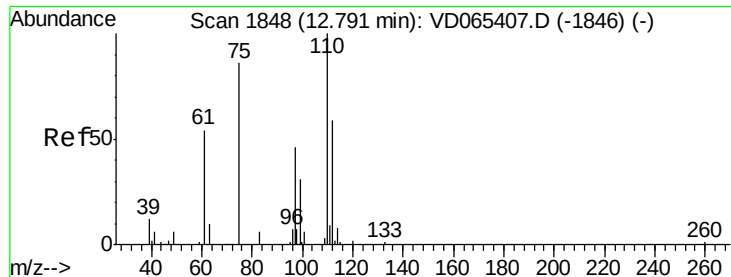


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VDC

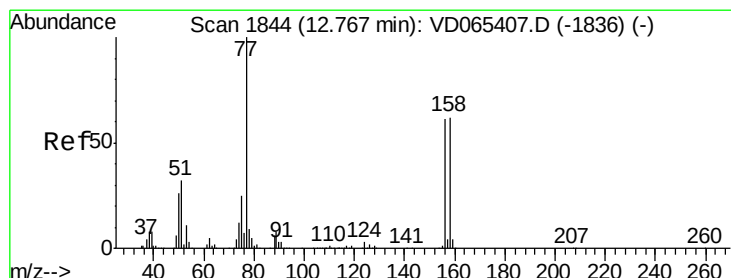
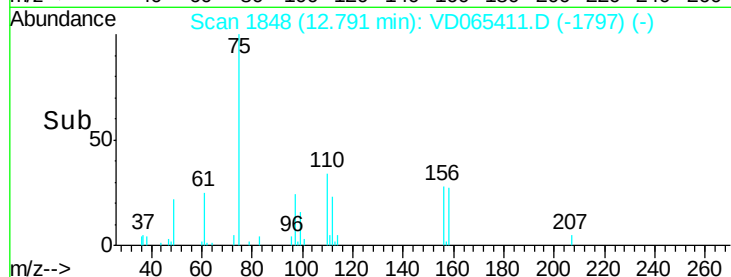
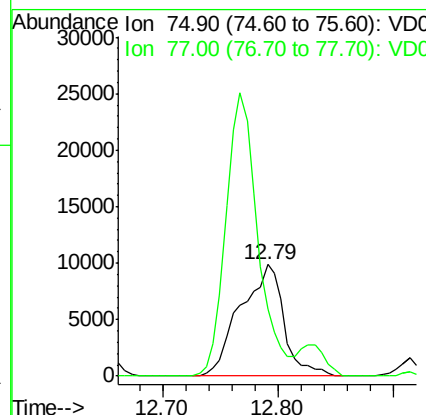
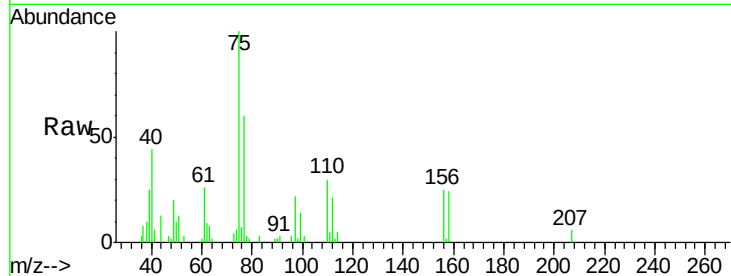




#76
 1,2,3-Trichloropropane
 Concen: 5.92 ug/l
 RT: 12.79 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

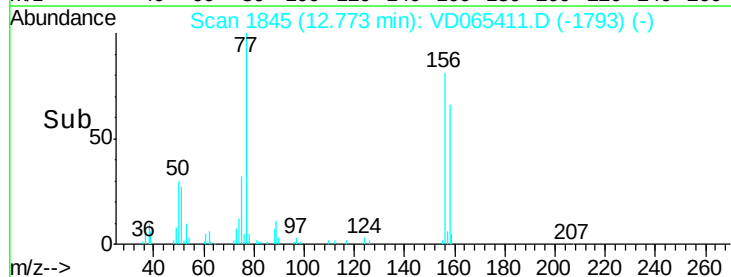
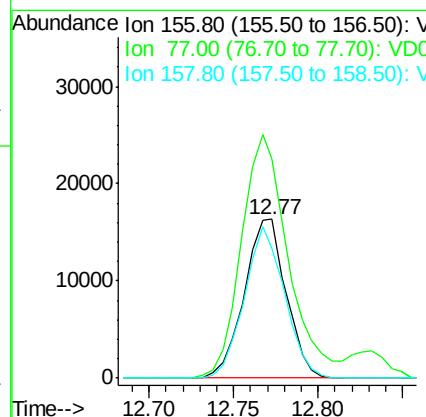
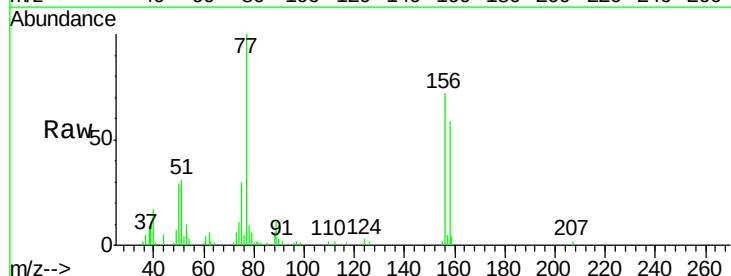
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

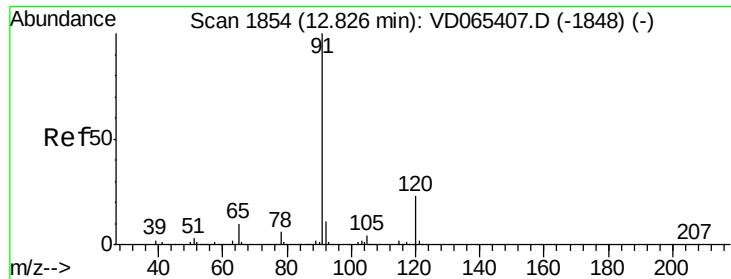
Tgt Ion: 75 Resp: 25956
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 5.36 ug/l
 RT: 12.77 min Scan# 1845
 Delta R.T. 0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion: 156 Resp: 28057
 Ion Ratio Lower Upper
 156 100
 77 172.7 84.9 254.6
 158 92.0 49.0 147.2





#78

n-propylbenzene

Concen: 4.95 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

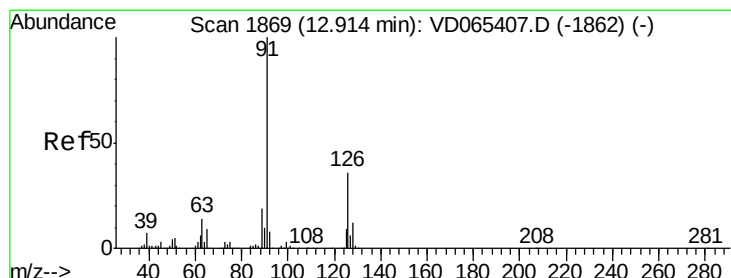
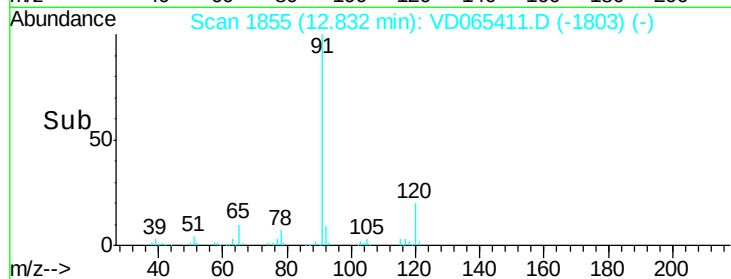
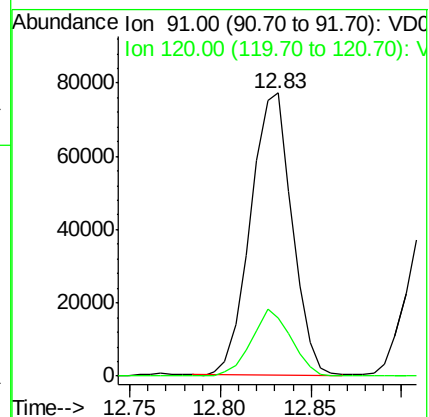
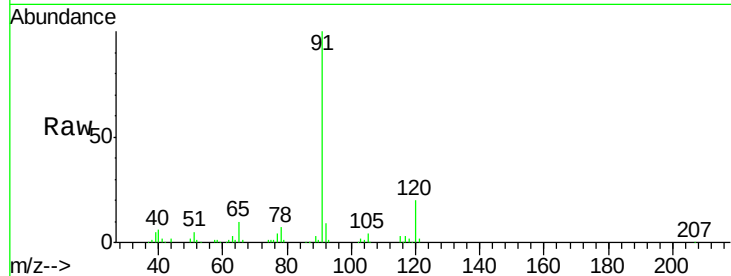
VSTDIC005

Tgt Ion: 91 Resp: 122915

Ion Ratio Lower Upper

91 100

120 22.5 11.9 35.5



#79

2-Chlorotoluene

Concen: 5.12 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065411.D

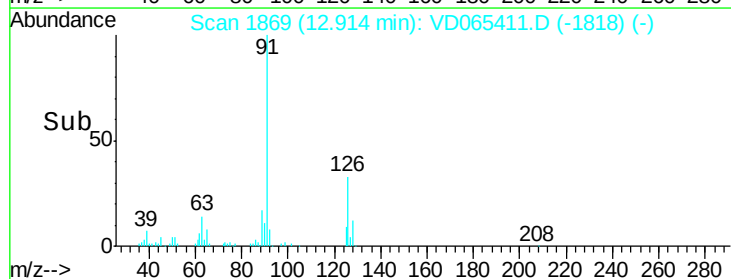
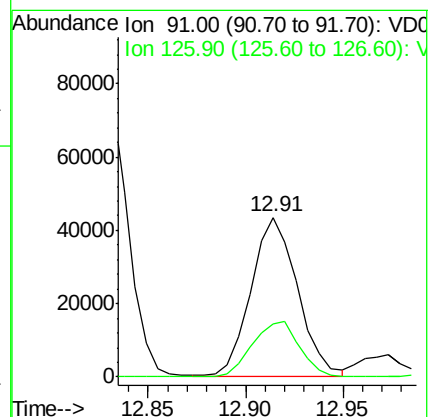
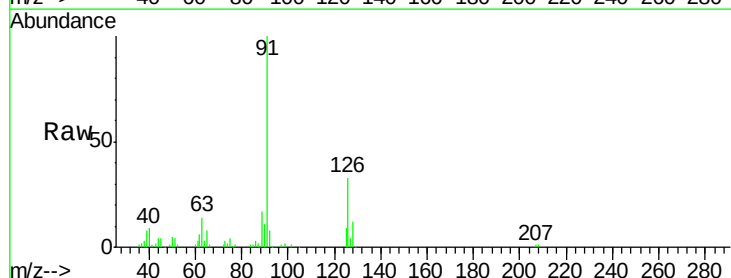
Acq: 04 Mar 2020 14:15

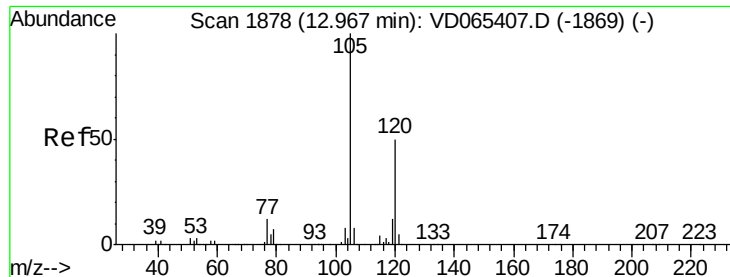
Tgt Ion: 91 Resp: 71526

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.8





#80

1,3,5-Trimethylbenzene

Concen: 4.91 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

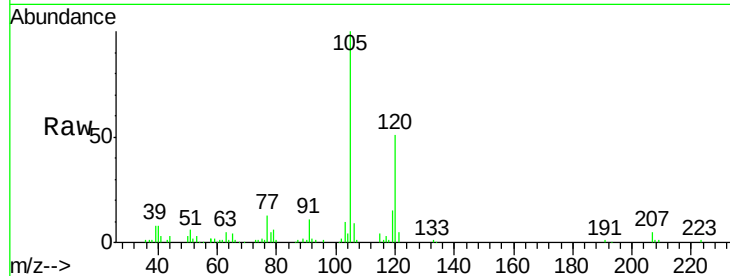
VSTDIC005

Tgt Ion:105 Resp: 84323

Ion Ratio Lower Upper

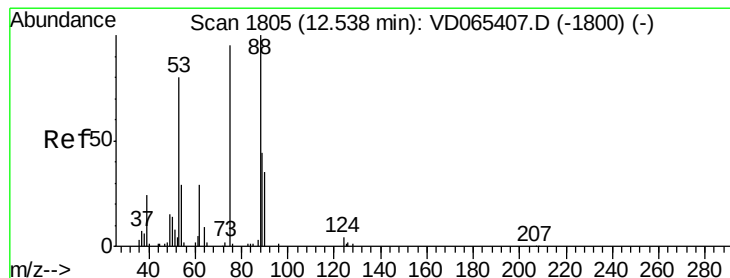
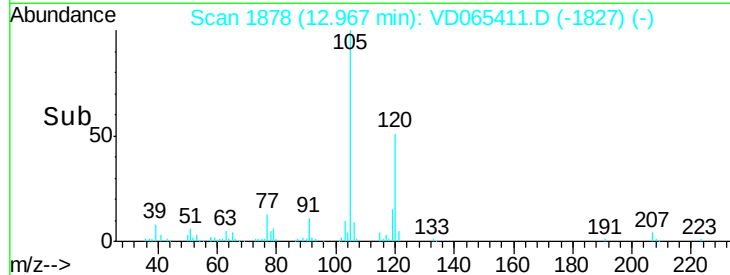
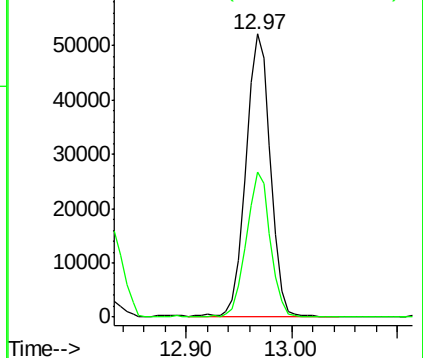
105 100

120 50.0 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 5.00 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

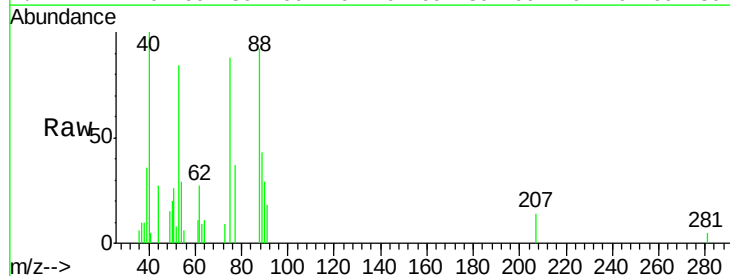
Tgt Ion: 75 Resp: 5953

Ion Ratio Lower Upper

75 100

53 98.3 71.3 106.9

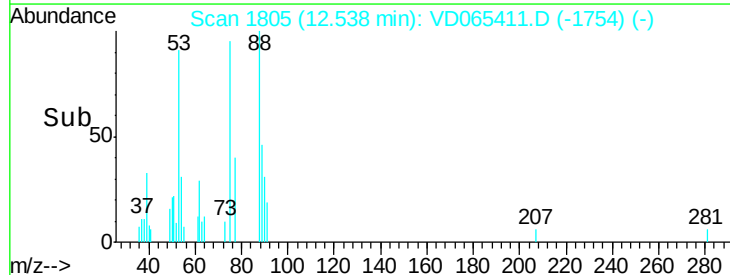
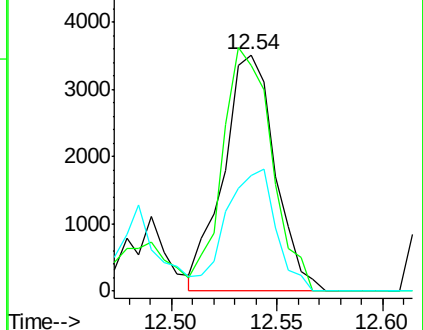
89 49.8 37.0 55.6

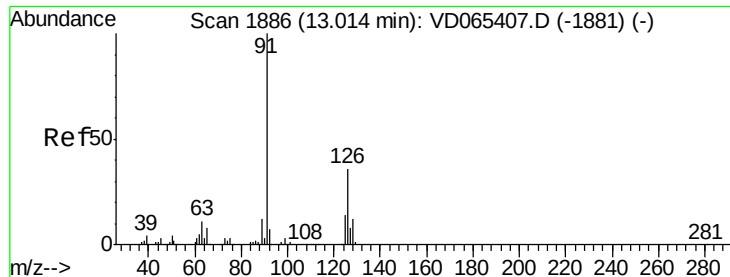


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

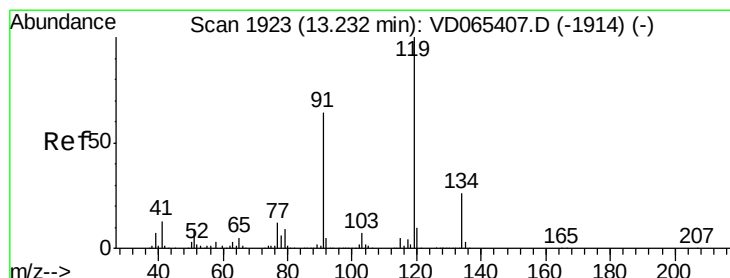
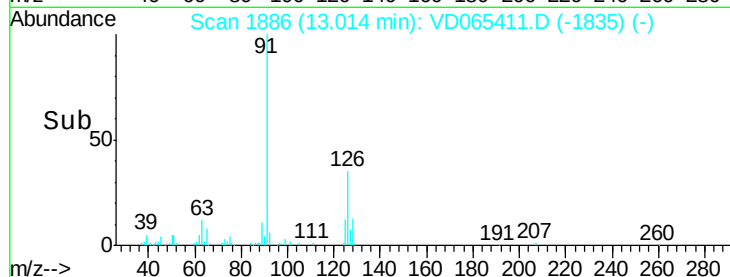
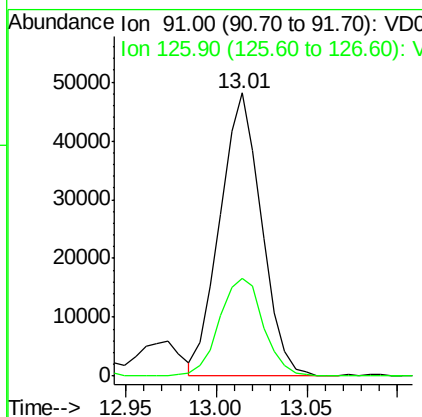
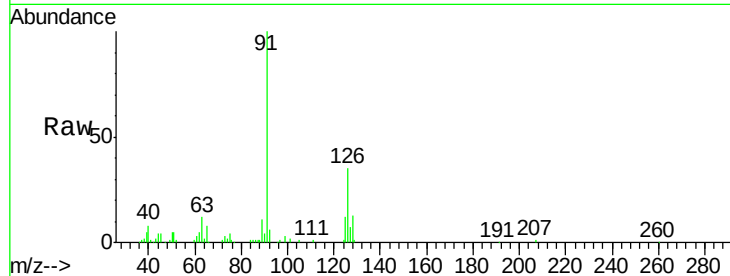




#82
4-Chlorotoluene
Concen: 5.20 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

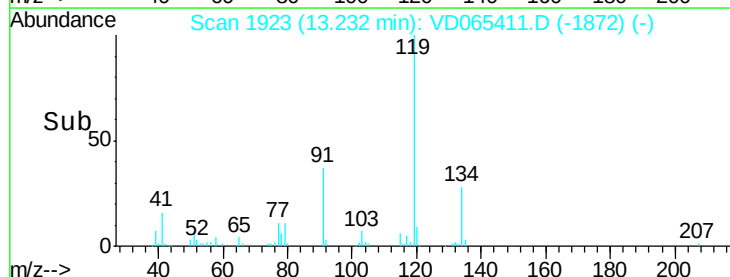
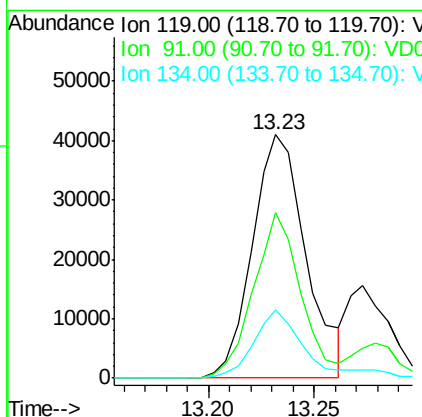
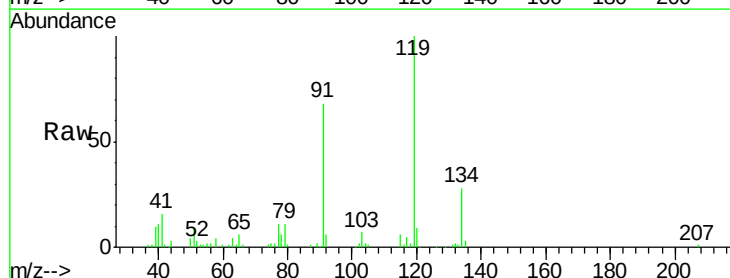
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

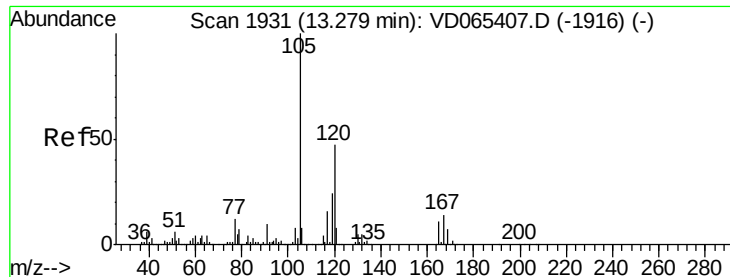
Tgt Ion: 91 Resp: 76589
Ion Ratio Lower Upper
91 100
126 36.6 17.6 52.8



#83
tert-Butylbenzene
Concen: 4.97 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion: 119 Resp: 72135
Ion Ratio Lower Upper
119 100
91 59.8 31.6 95.0
134 27.3 14.2 42.8

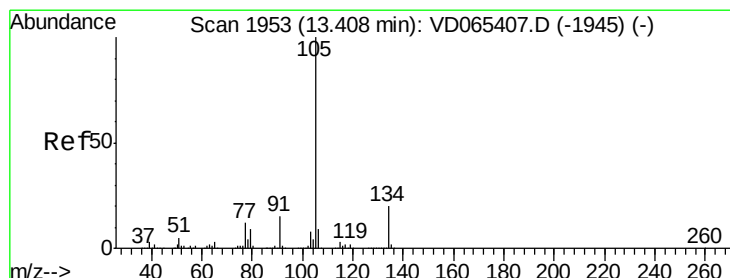
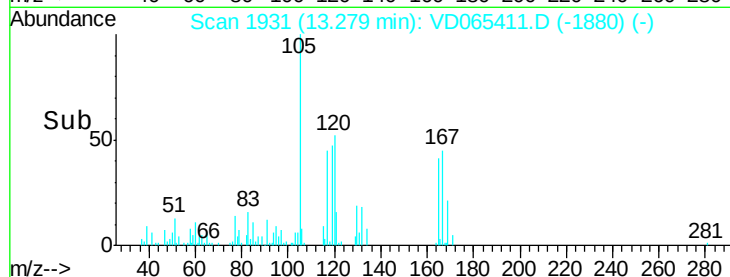
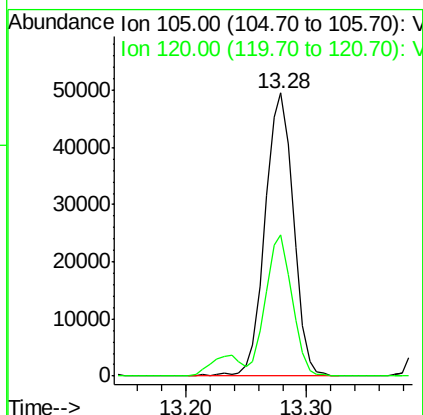
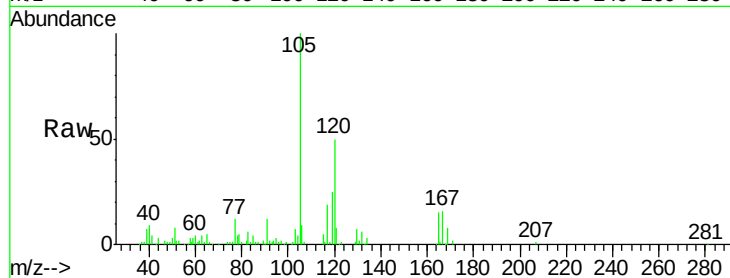




#84
 1,2,4-Trimethylbenzene
 Concen: 4.73 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

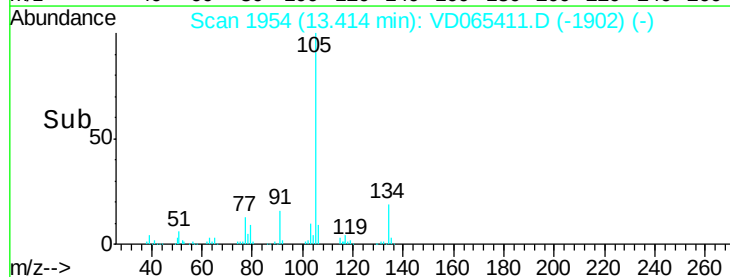
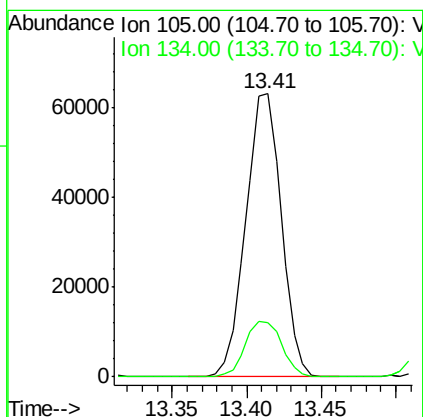
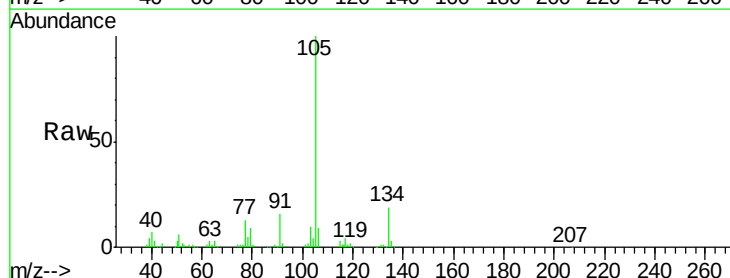
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

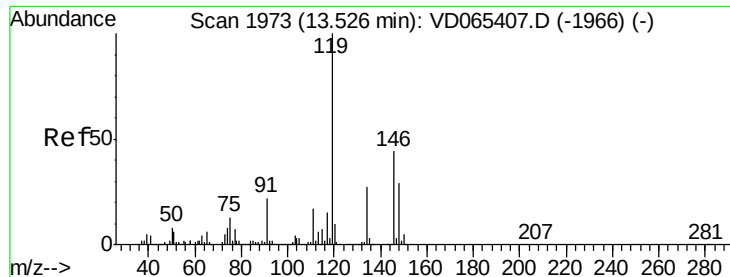
Tgt Ion:105 Resp: 80152
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 5.04 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion:105 Resp: 104301
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.9

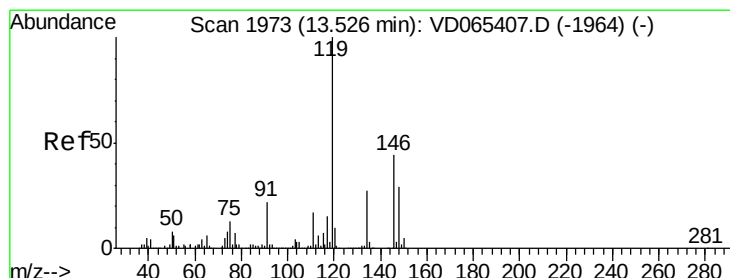
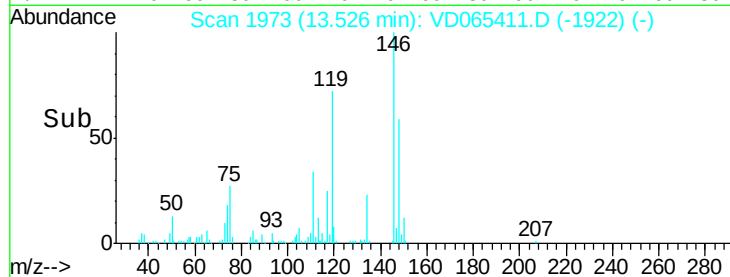
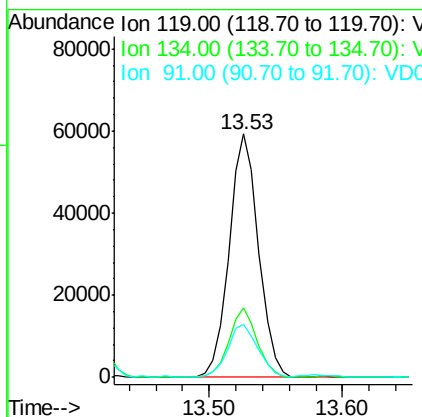
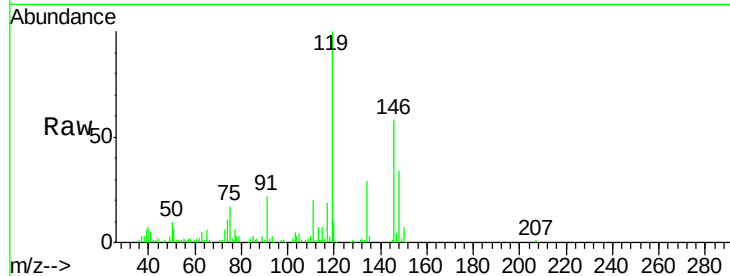




#86
p-Isopropyltoluene
Concen: 4.80 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

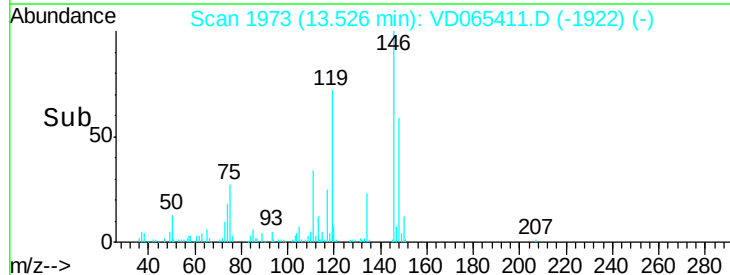
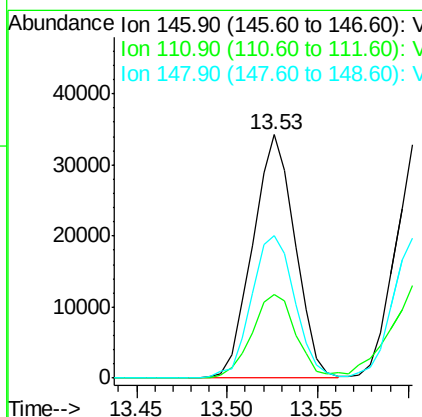
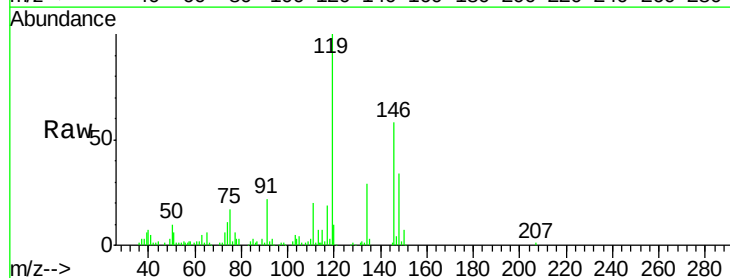
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

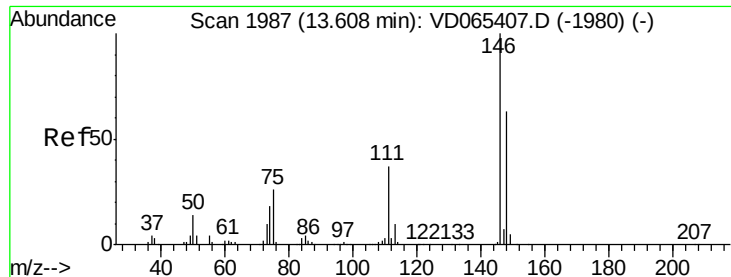
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.3	39.9
91	22.9	10.9	32.6



#87
1,3-Dichlorobenzene
Concen: 5.58 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD065411.D
Acq: 04 Mar 2020 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	19.1	57.1
148	60.0	32.3	96.8

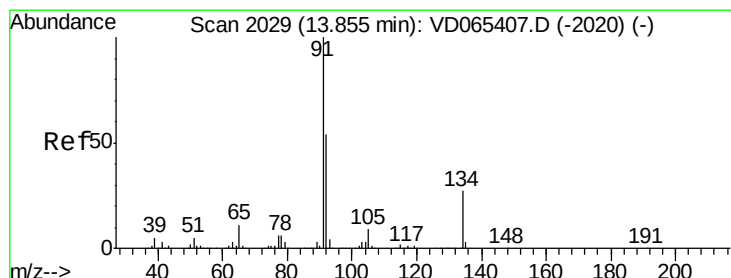
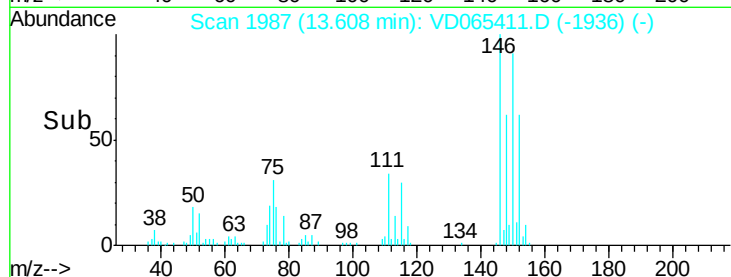
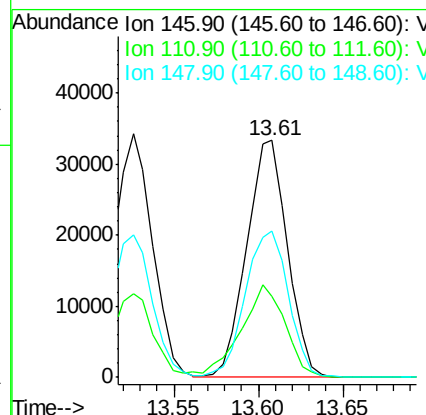
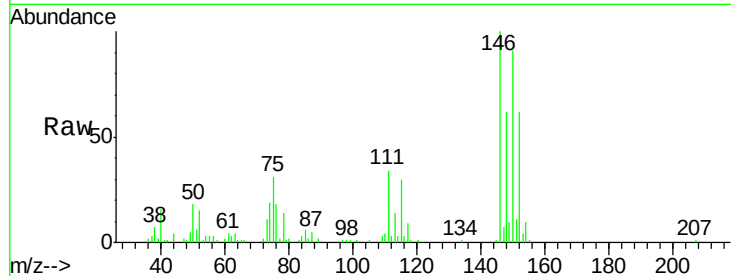




#88
 1,4-Dichlorobenzene
 Concen: 5.63 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

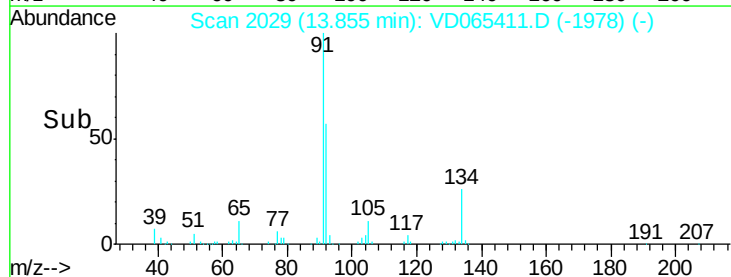
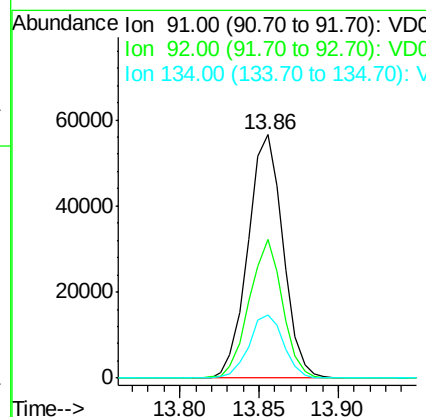
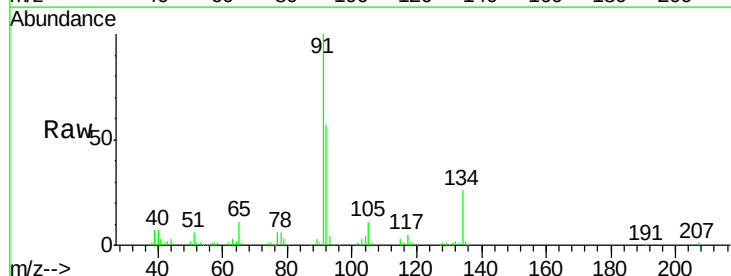
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

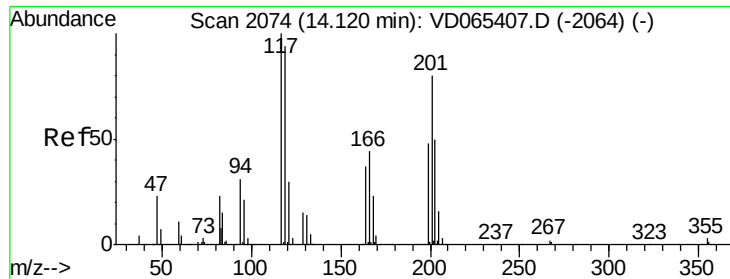
Tgt Ion:146 Resp: 56131
 Ion Ratio Lower Upper
 146 100
 111 42.5 18.5 55.5
 148 65.2 32.0 96.0



#89
 n-Butylbenzene
 Concen: 4.98 ug/l
 RT: 13.86 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Tgt Ion: 91 Resp: 86792
 Ion Ratio Lower Upper
 91 100
 92 54.0 26.8 80.4
 134 25.7 13.4 40.2





#90

Hexachloroethane

Concen: 5.67 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

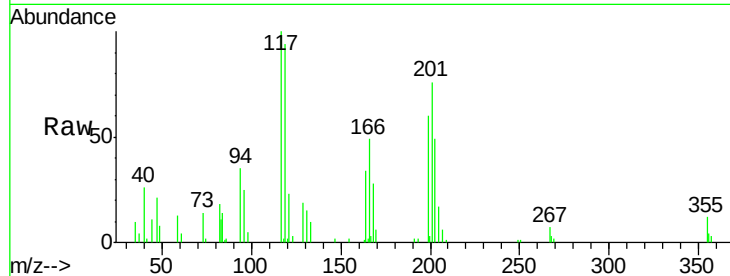
VSTDIC005

Tgt Ion:117 Resp: 22113

Ion Ratio Lower Upper

117 100

201 82.1 41.9 125.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

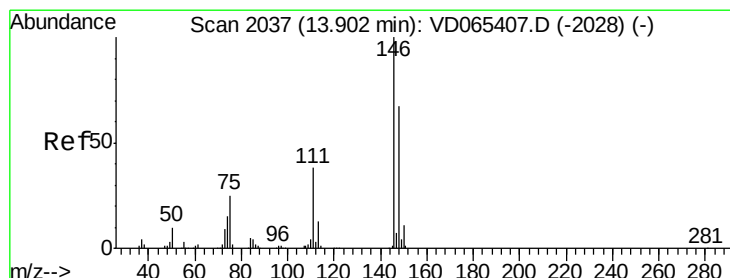
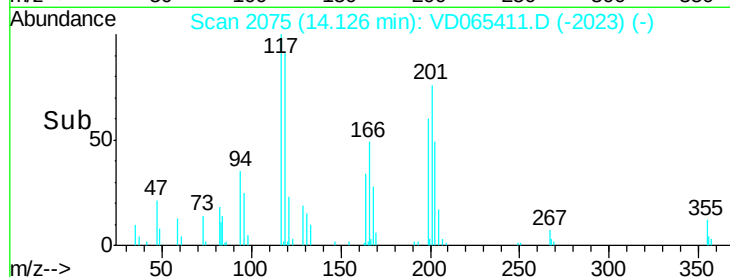
14.13

10000

5000

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 5.52 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

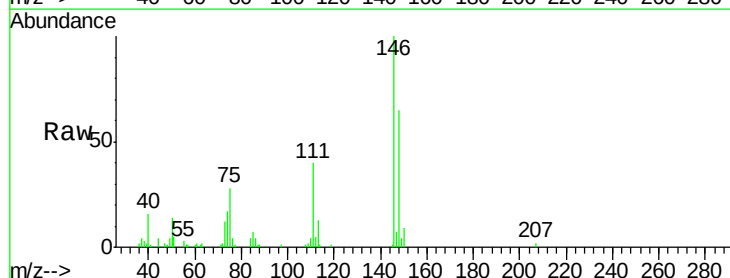
Tgt Ion:146 Resp: 47271

Ion Ratio Lower Upper

146 100

111 39.1 19.8 59.3

148 63.4 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.90

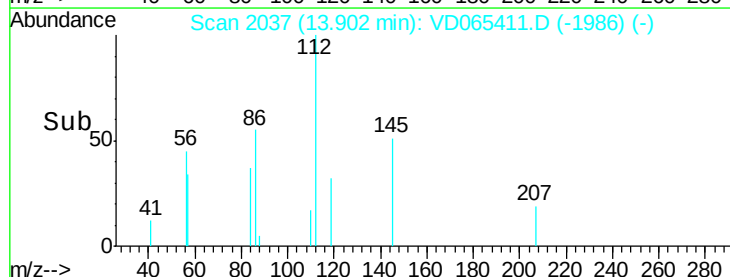
30000

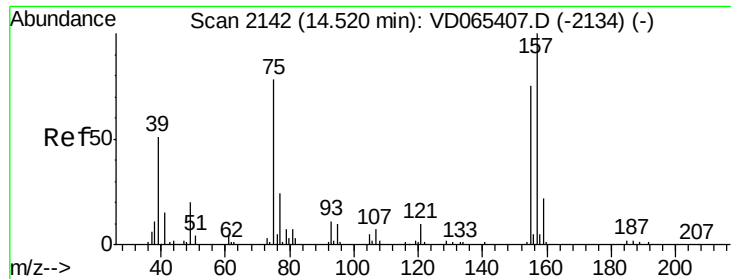
20000

10000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.73 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

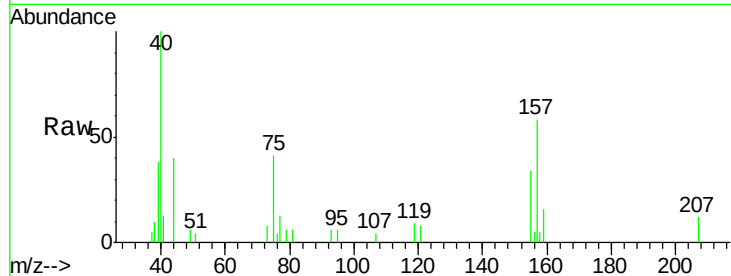
Tgt Ion: 75 Resp: 3258

Ion Ratio Lower Upper

75 100

155 91.4 46.4 139.1

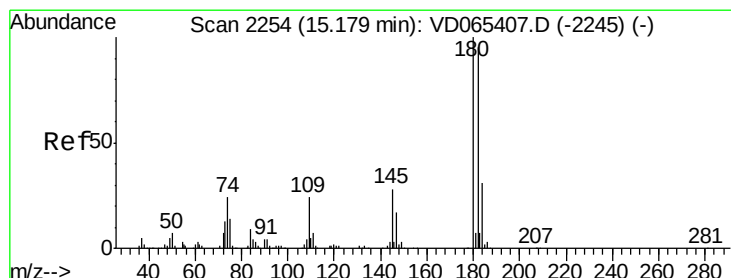
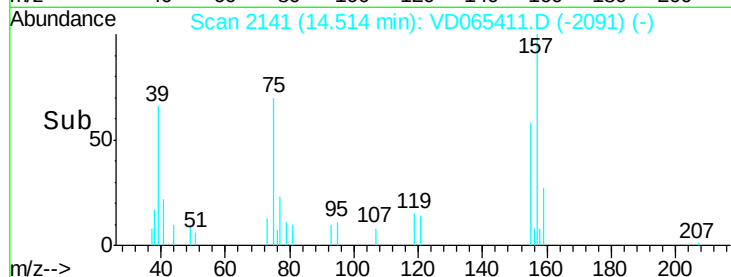
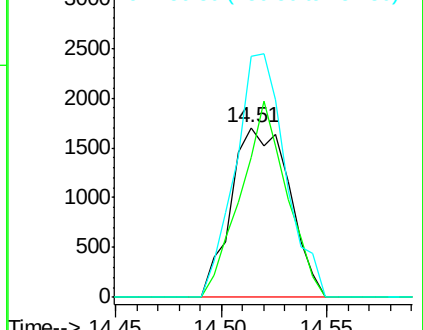
157 124.3 60.2 180.4



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 5.06 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. -0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

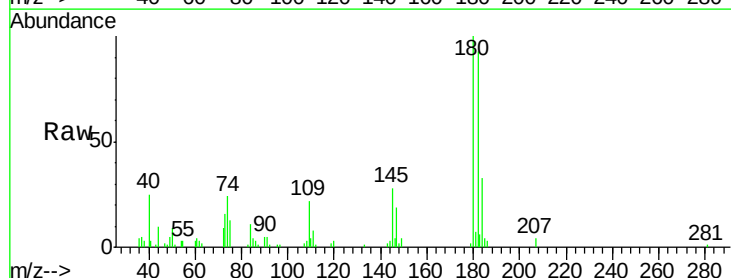
Tgt Ion: 180 Resp: 29168

Ion Ratio Lower Upper

180 100

182 96.1 48.3 144.9

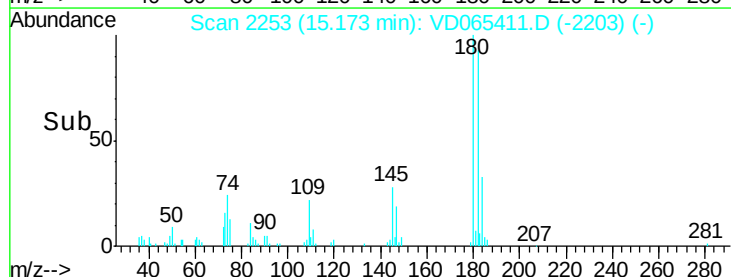
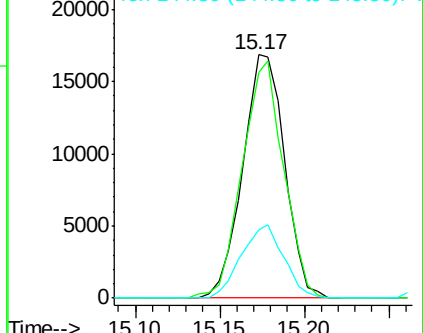
145 30.3 14.4 43.4

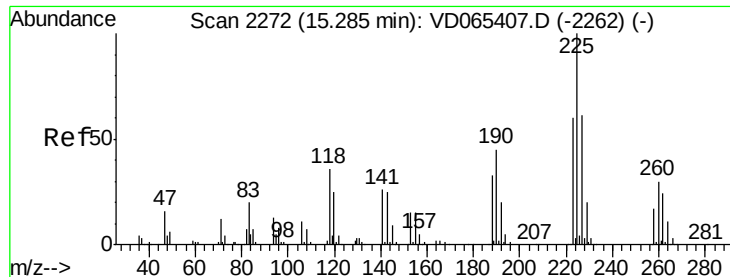


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 5.81 ug/l

RT: 15.28 min Scan# 2271

Delta R.T. -0.01 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

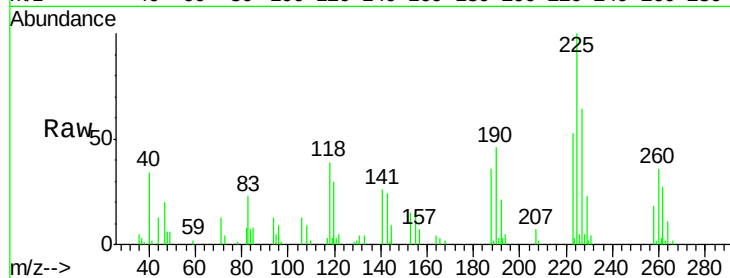
Tgt Ion:225 Resp: 21885

Ion Ratio Lower Upper

225 100

223 61.9 30.9 92.5

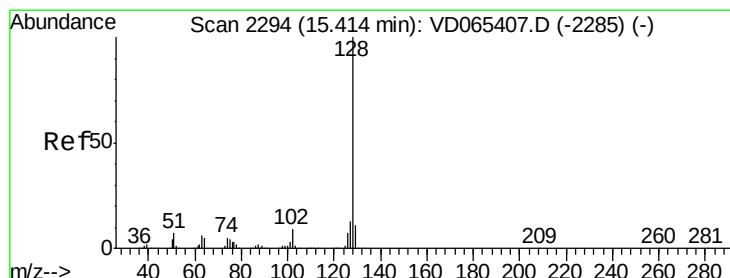
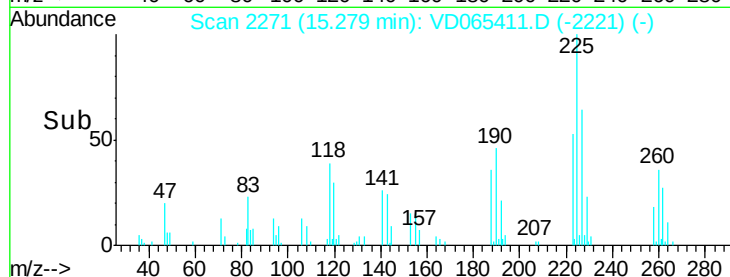
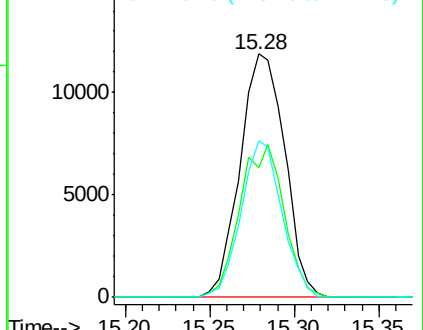
227 58.8 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.67 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065411.D

Acq: 04 Mar 2020 14:15

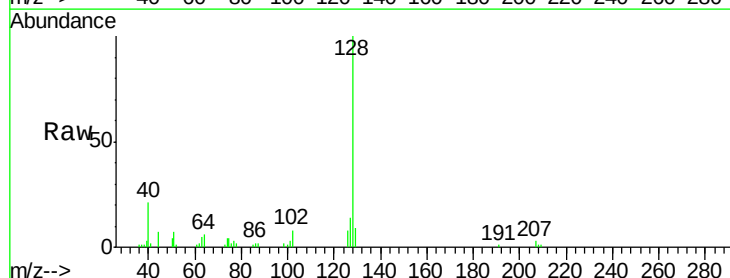
Tgt Ion:128 Resp: 43301

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

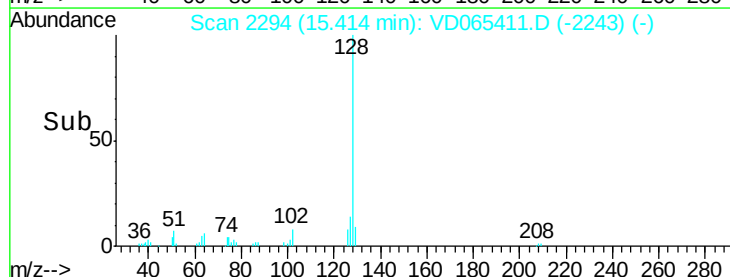
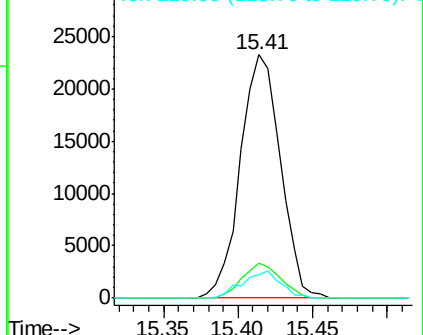
129 10.5 8.7 13.1

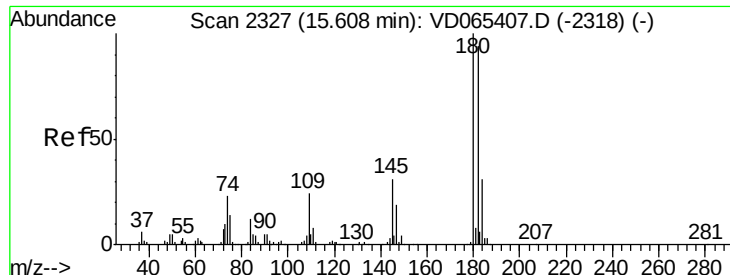


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

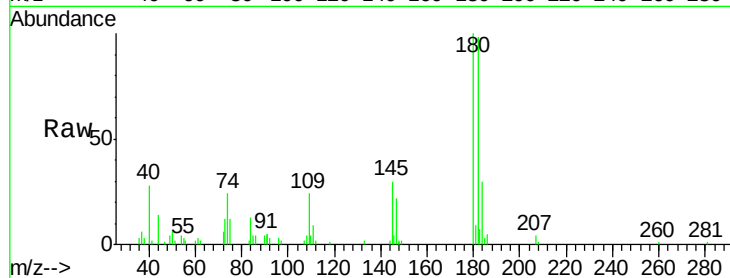




#96
 1,2,3-Trichlorobenzene
 Concen: 4.97 ug/l
 RT: 15.61 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VD065411.D
 Acq: 04 Mar 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.6	46.9	140.6
145	32.5	15.0	45.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

