

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065425.D
 Acq On : 05 Mar 2020 12:23
 Operator : VA/SY
 Sample : VD0305SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 06 03:47:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	480347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	709751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	633972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	314050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207315	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.92	113	222241	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.34	98	881997	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.64	95	276200	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93557	22.663	ug/l	99
3) Chloromethane	2.21	50	108916	21.853	ug/l	98
4) Vinyl Chloride	2.35	62	105980	21.558	ug/l	98
5) Bromomethane	2.77	94	66886	21.560	ug/l	97
6) Chloroethane	2.93	64	64647	21.471	ug/l	99
7) Trichlorofluoromethane	3.27	101	154921	21.387	ug/l	100
8) Diethyl Ether	3.70	74	43428	20.160	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	98593	21.133	ug/l	98
10) Methyl Iodide	4.30	142	96600	19.931	ug/l	98
11) Tert butyl alcohol	5.23	59	19099	80.810	ug/l	97
12) 1,1-Dichloroethene	4.06	96	93928	21.026	ug/l	96
13) Acrolein	3.92	56	37603	92.253	ug/l	98
14) Allyl chloride	4.71	41	141037	20.552	ug/l	100
15) Acrylonitrile	5.43	53	87281	93.135	ug/l	98
16) Acetone	4.16	43	78020	93.626	ug/l	91
17) Carbon Disulfide	4.40	76	318980	21.441	ug/l	99
18) Methyl Acetate	4.72	43	40273	19.052	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	168698	19.637	ug/l	100
20) Methylene Chloride	4.96	84	120816	24.968	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	103097	20.746	ug/l	96
22) Diisopropyl ether	6.37	45	275009	21.557	ug/l	94
23) Vinyl Acetate	6.31	43	690958	97.547	ug/l	100
24) 1,1-Dichloroethane	6.27	63	172969	21.139	ug/l	95
25) 2-Butanone	7.22	43	101802	89.521	ug/l	99
26) 2,2-Dichloropropane	7.21	77	148471	20.763	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	104930	20.657	ug/l	98
28) Bromochloromethane	7.55	49	69788	21.318	ug/l	98
29) Tetrahydrofuran	7.57	42	67709	93.235	ug/l	98
30) Chloroform	7.71	83	174648	21.354	ug/l	97
31) Cyclohexane	7.98	56	169164	20.675	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	158599	20.984	ug/l	98
36) 1,1-Dichloropropene	8.11	75	144359	21.219	ug/l	100
37) Ethyl Acetate	7.30	43	48638	18.496	ug/l	98
38) Carbon Tetrachloride	8.10	117	148922	21.109	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	167197	20.348	ug/l	94
40) Benzene	8.35	78	403708	21.223	ug/l	100
41) Methacrylonitrile	7.57	41	65867	47.363	ug/l #	26
42) 1,2-Dichloroethane	8.43	62	101798	20.494	ug/l	100
43) Isopropyl Acetate	8.46	43	89993	18.534	ug/l	97
44) Trichloroethene	9.11	130	115053	21.417	ug/l	99
45) 1,2-Dichloropropane	9.39	63	95828	20.797	ug/l	99
46) Dibromomethane	9.48	93	48693	20.373	ug/l	98
47) Bromodichloromethane	9.67	83	130758	21.029	ug/l #	99
48) Methyl methacrylate	9.46	41	42243	18.496	ug/l	99
49) 1,4-Dioxane	9.47	88	9919	362.816	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	226239	92.593	ug/l	98
52) Toluene	10.41	92	257301	21.472	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118061	20.318	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	145564	20.696	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67508	19.942	ug/l	97
56) Ethyl methacrylate	10.67	69	72394	18.970	ug/l	97
57) 1,3-Dichloropropane	10.95	76	115271	20.126	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	111318	94.697	ug/l	99
59) 2-Hexanone	10.99	43	155559	91.971	ug/l	98
60) Dibromochloromethane	11.14	129	88680	20.437	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65478	20.279	ug/l	96
64) Tetrachloroethene	10.88	164	97144	21.384	ug/l	97
65) Chlorobenzene	11.67	112	266656	21.255	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	97257	21.286	ug/l	98
67) Ethyl Benzene	11.75	91	461651	21.296	ug/l	99
68) m/p-Xylenes	11.86	106	366386	43.834	ug/l	98
69) o-Xylene	12.18	106	157665	21.444	ug/l	100
70) Styrene	12.20	104	284141	21.958	ug/l	99
71) Bromoform	12.37	173	51118	19.917	ug/l #	99
73) Isopropylbenzene	12.48	105	437671	21.188	ug/l	99
74) N-amyl acetate	12.30	43	80219	18.969	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	71436	19.674	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	91242	36.819	ug/l #	100
77) Bromobenzene	12.77	156	104610	20.383	ug/l	98
78) n-propylbenzene	12.83	91	530524	21.646	ug/l	99
79) 2-Chlorotoluene	12.91	91	293047	21.215	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	370946	21.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22128	18.844	ug/l	97
82) 4-Chlorotoluene	13.01	91	312609	21.537	ug/l	100
83) tert-Butylbenzene	13.23	119	301510	20.986	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	360031	21.508	ug/l	98
85) sec-Butylbenzene	13.41	105	438504	21.383	ug/l	100
86) p-Isopropyltoluene	13.53	119	404021	21.590	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	206279	20.906	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	206520	21.041	ug/l	98
89) n-Butylbenzene	13.85	91	369710	21.370	ug/l	99
90) Hexachloroethane	14.12	117	79651	20.669	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	175359	20.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9824	17.766	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

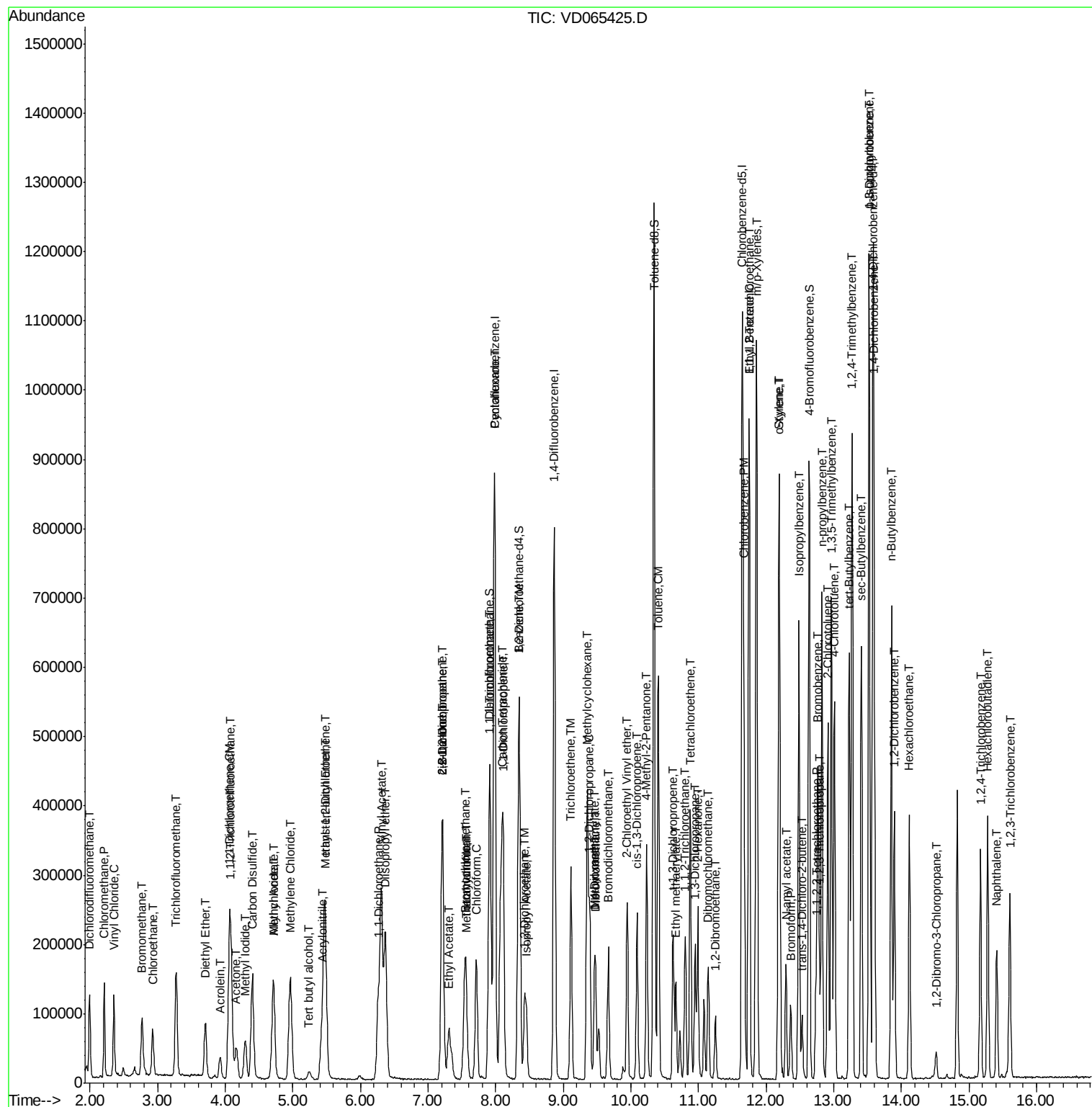
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	115945	20.373	ug/l	99
94) Hexachlorobutadiene	15.28	225	77040	20.602	ug/l	98
95) Naphthalene	15.41	128	166922	19.413	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102808	20.906	ug/l	99

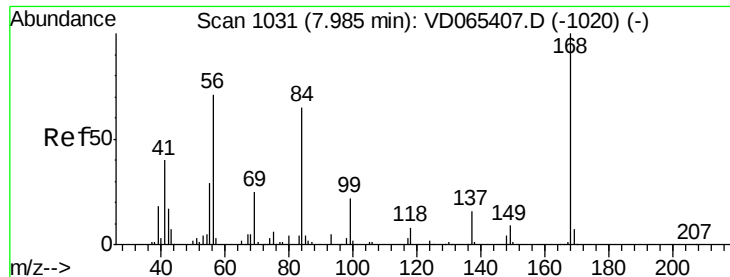
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

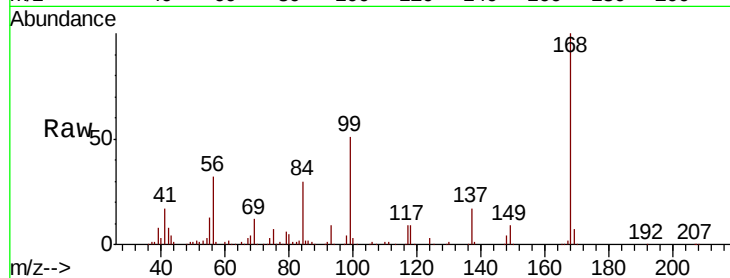
ClientSampleId :

Tot Ion:168 Resp: 480347

Ion Ratio Lower Upper

168 100

99 51.0 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

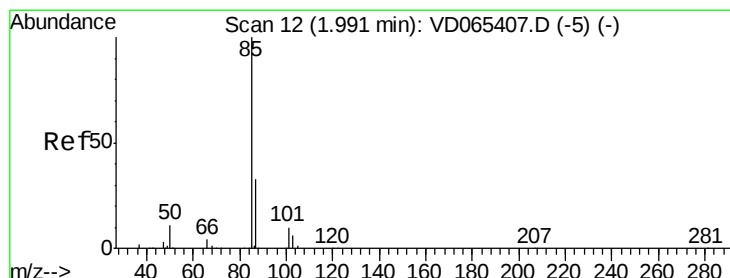
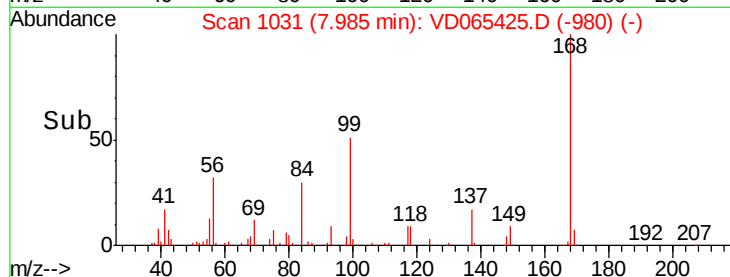
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.663 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065425.D

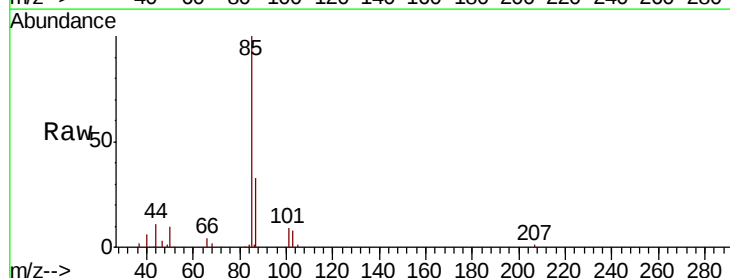
Acq: 05 Mar 2020 12:23

Tgt Ion: 85 Resp: 93557

Ion Ratio Lower Upper

85 100

87 33.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

40000

20000

0

1.90

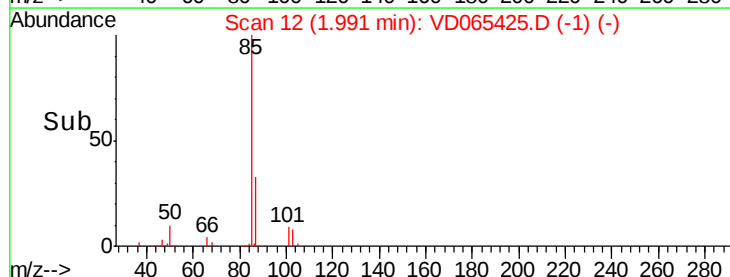
1.95

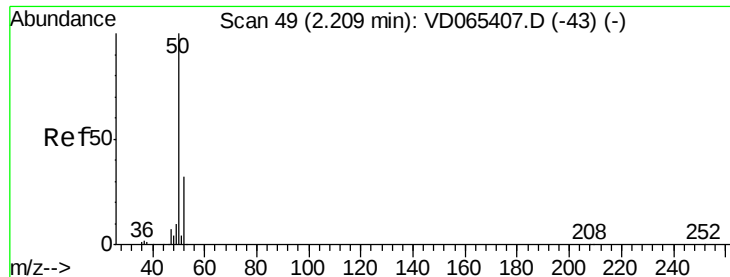
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 21.853 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

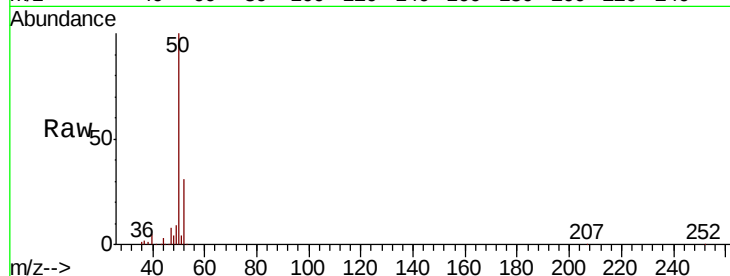
ClientSampleId :

Tot Ion: 50 Resp: 108916

Ion Ratio Lower Upper

50 100

52 31.4 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

80000

60000

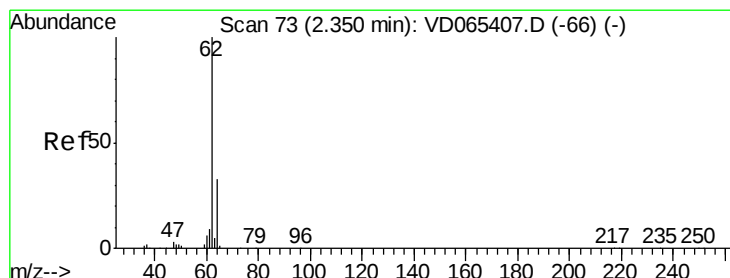
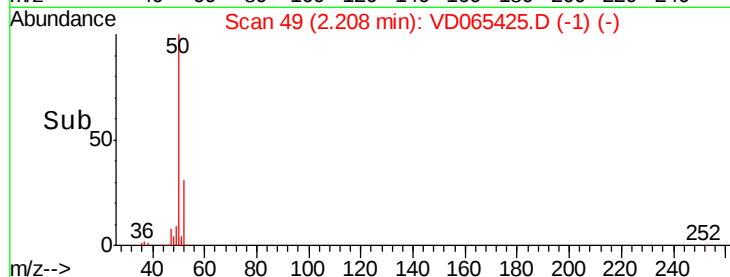
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 21.558 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065425.D

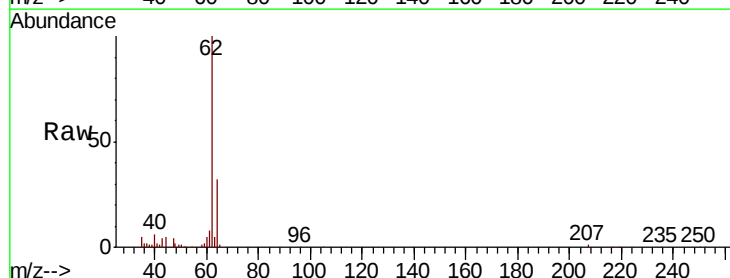
Acq: 05 Mar 2020 12:23

Tgt Ion: 62 Resp: 105980

Ion Ratio Lower Upper

62 100

64 32.3 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

60000

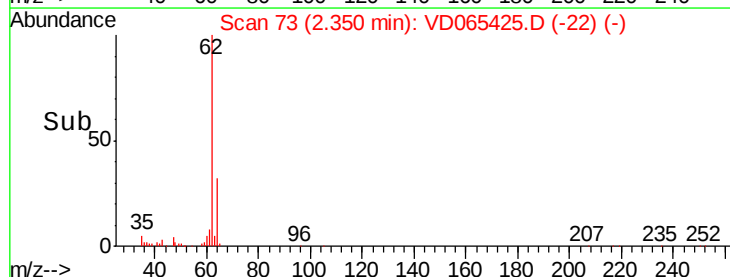
40000

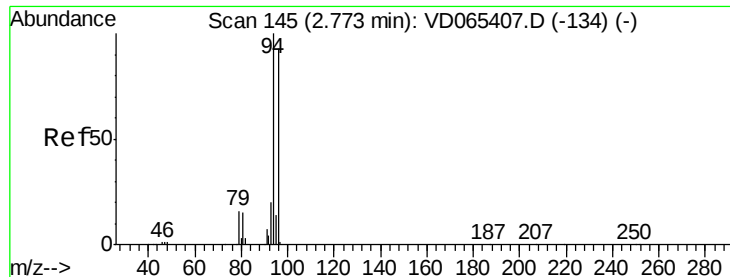
20000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 21.560 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

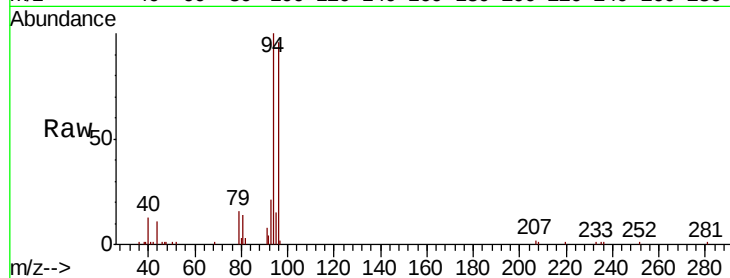
ClientSampleId :

Tot Ion: 94 Resp: 66886

Ion Ratio Lower Upper

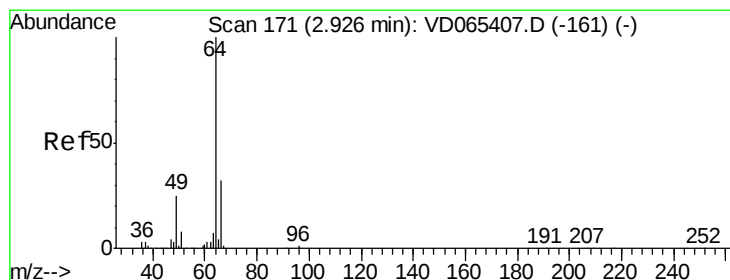
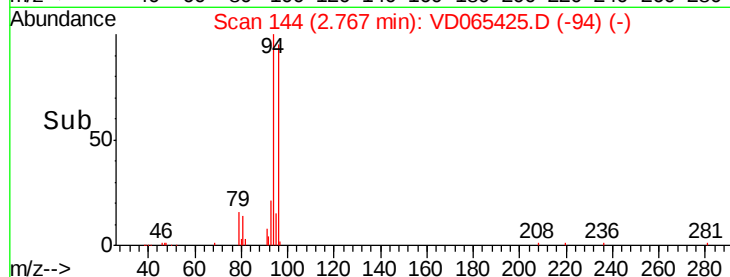
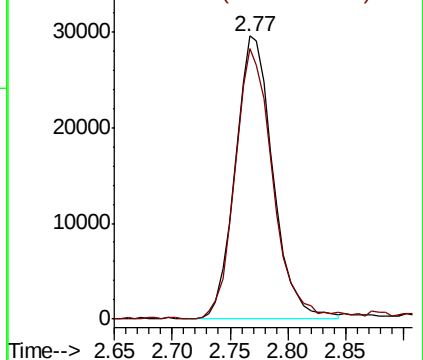
94 100

96 95.7 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.471 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065425.D

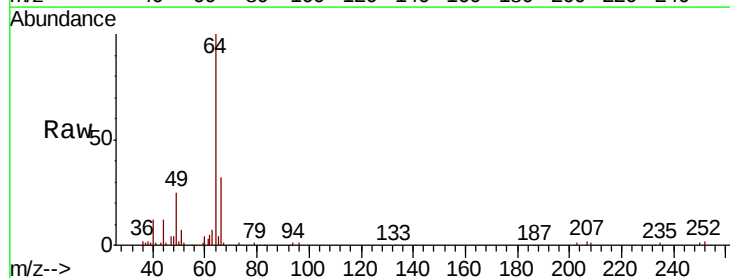
Acq: 05 Mar 2020 12:23

Tgt Ion: 64 Resp: 64647

Ion Ratio Lower Upper

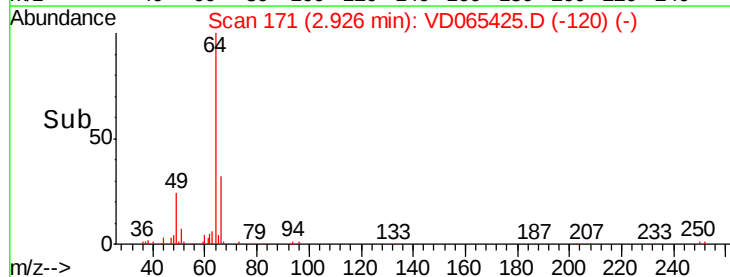
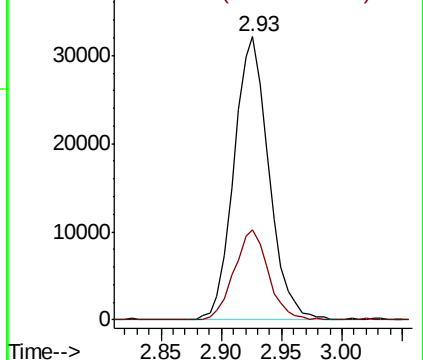
64 100

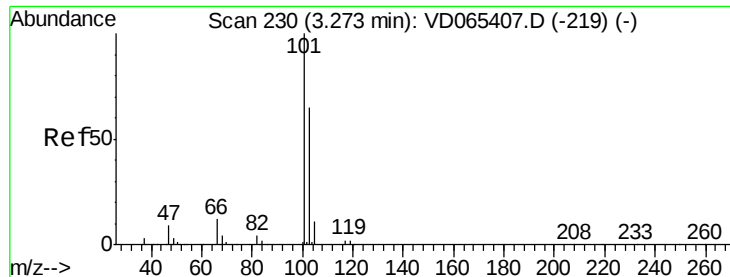
66 31.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



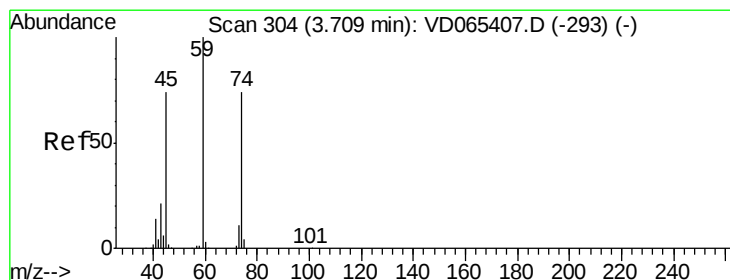
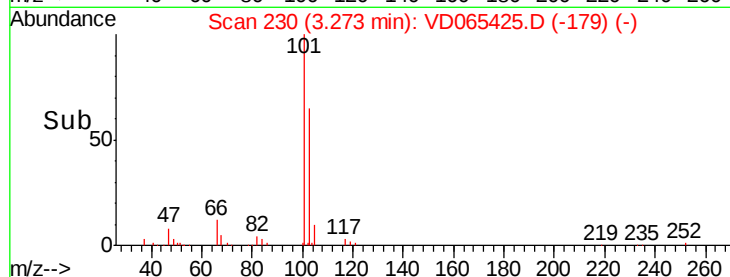
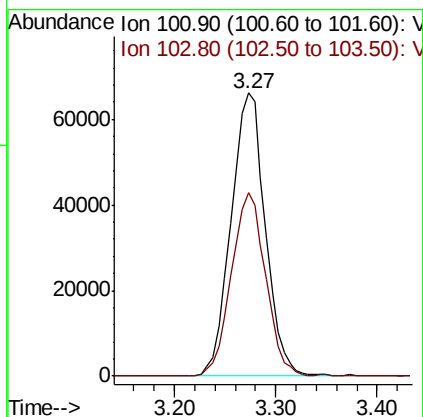
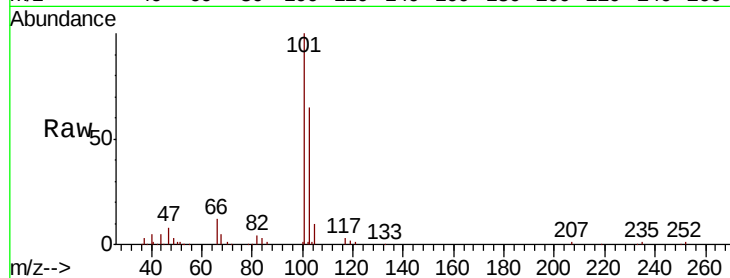


#7

Trichlorofluoromethane
 Concen: 21.387 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :

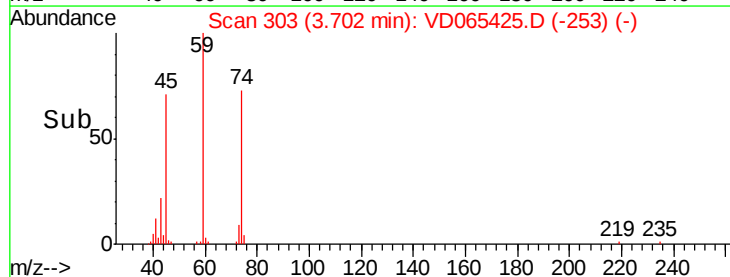
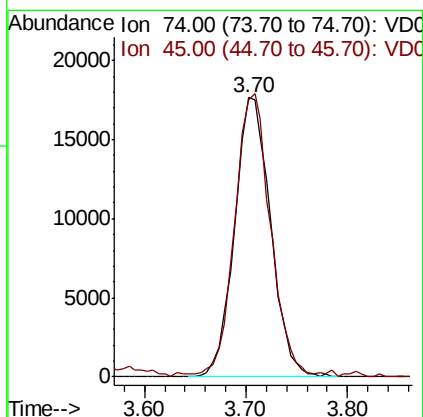
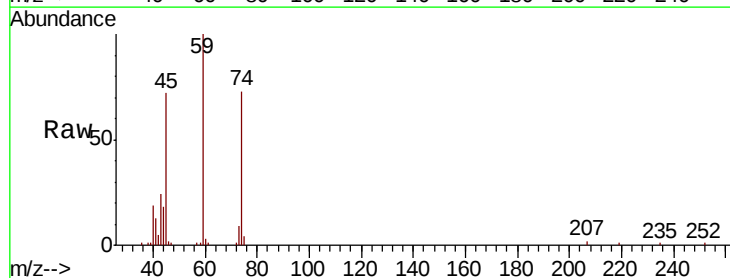
Tot Ion:101 Resp: 154921
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.1 78.1

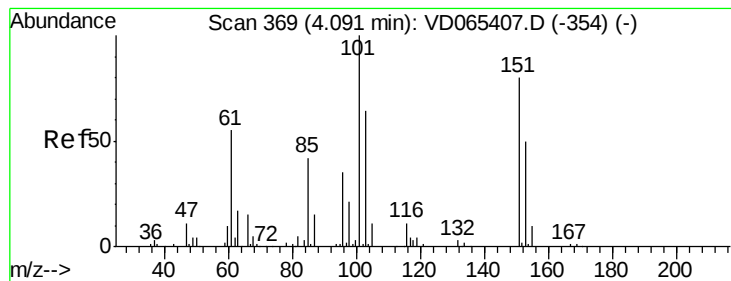


#8

Diethyl Ether
 Concen: 20.160 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion: 74 Resp: 43428
 Ion Ratio Lower Upper
 74 100
 45 101.7 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.133 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

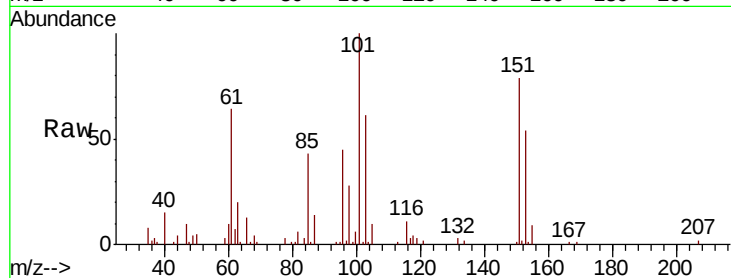
Tot Ion:101 Resp: 98593

Ion Ratio Lower Upper

101 100

85 41.4 34.2 51.2

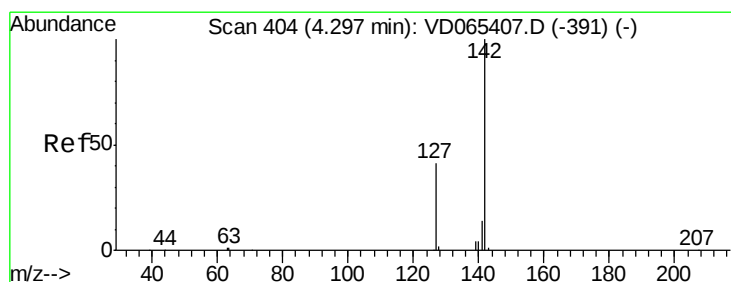
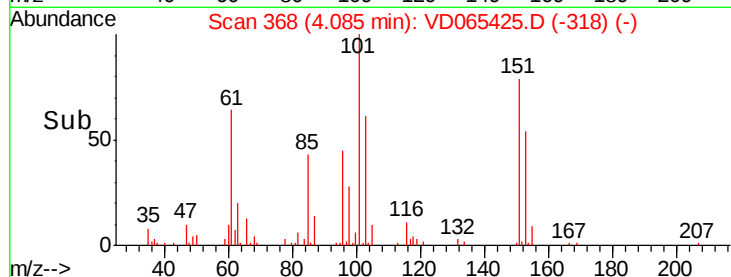
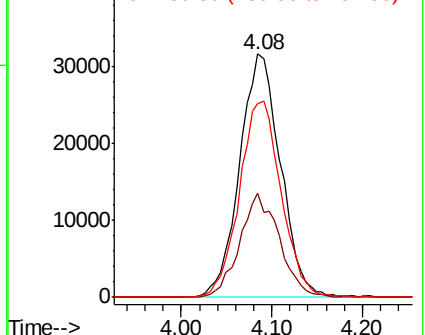
151 82.6 65.1 97.7



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: 19.931 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

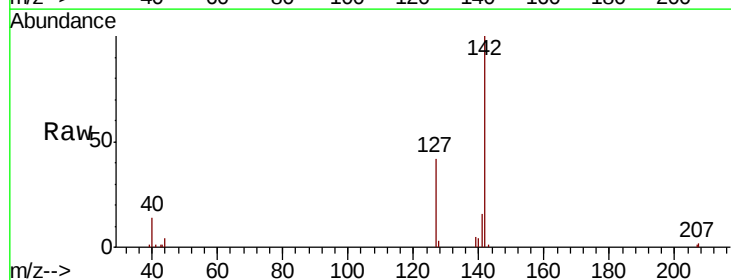
Tgt Ion:142 Resp: 96600

Ion Ratio Lower Upper

142 100

127 42.4 35.0 52.6

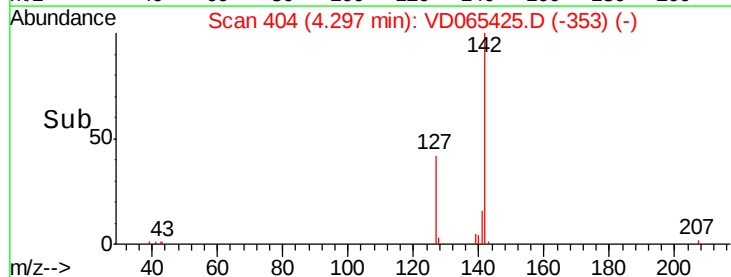
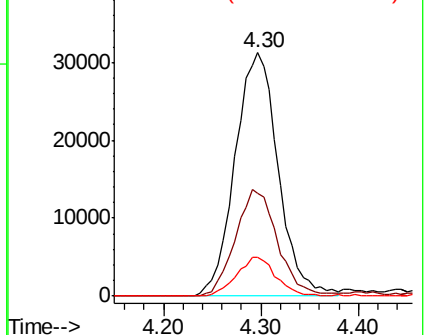
141 14.7 12.4 18.6

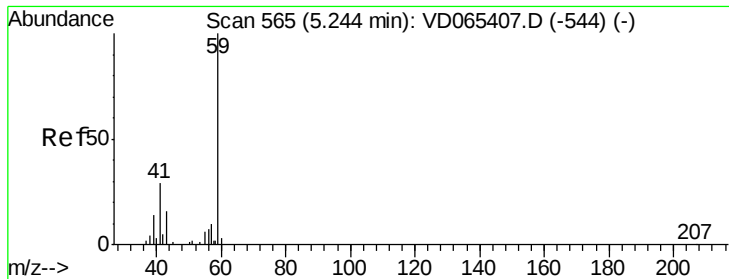


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



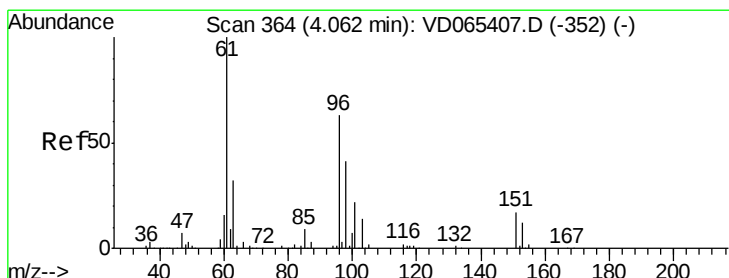
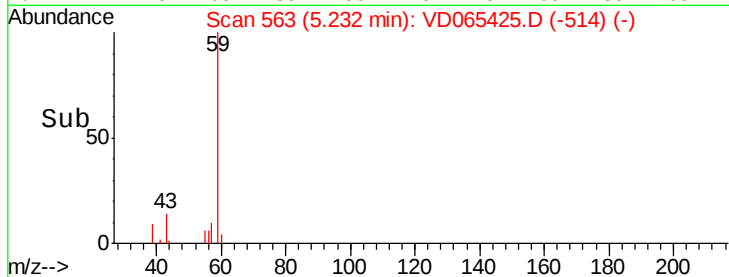
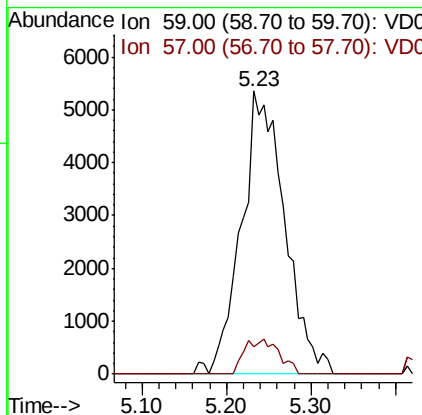
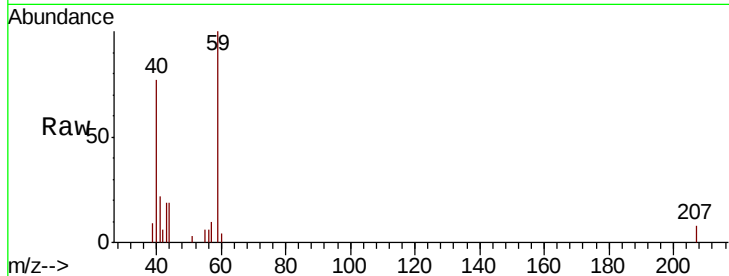


#11

Tert butyl alcohol
Concen: 80.810 ug/l
RT: 5.23 min Scan# 563
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampled :

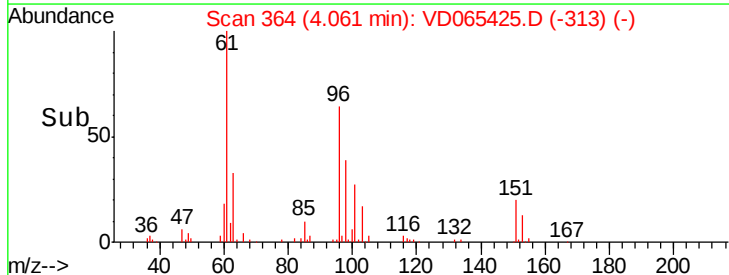
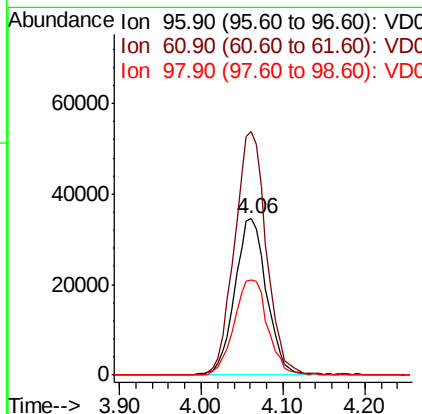
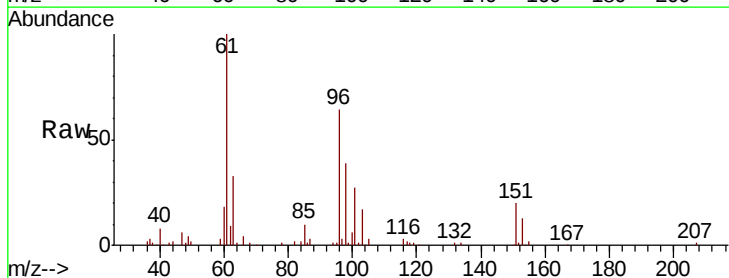
Tot Ion: 59 Resp: 19099
Ion Ratio Lower Upper
59 100
57 9.7 6.9 10.3

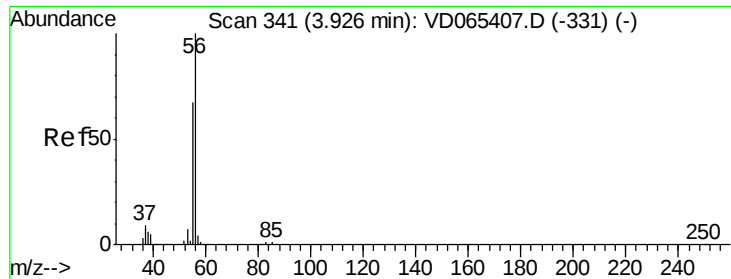


#12

1,1-Dichloroethene
Concen: 21.026 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion: 96 Resp: 93928
Ion Ratio Lower Upper
96 100
61 155.8 128.0 192.0
98 60.9 51.9 77.9





#13

Acrolein

Concen: 92.253 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

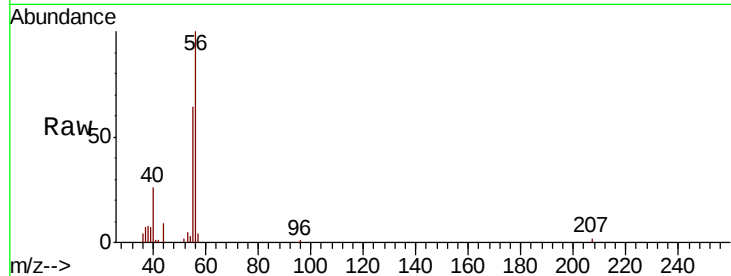
ClientSampleId :

Tot Ion: 56 Resp: 37603

Ion Ratio Lower Upper

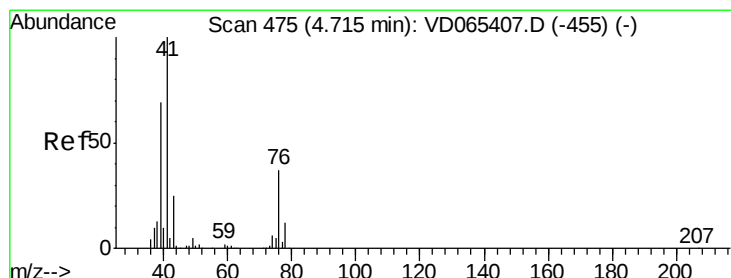
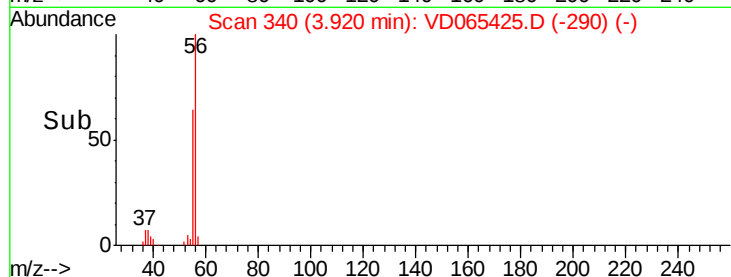
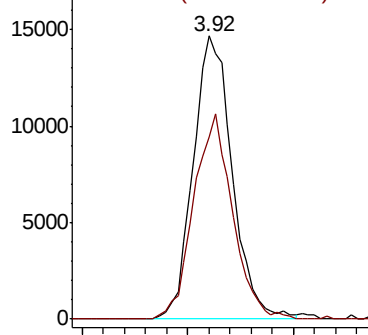
56 100

55 72.2 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.552 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

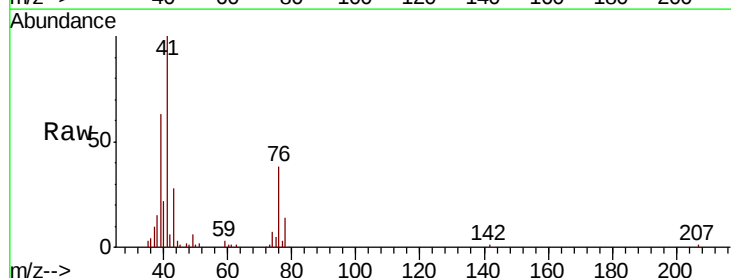
Tgt Ion: 41 Resp: 141037

Ion Ratio Lower Upper

41 100

39 65.9 52.6 79.0

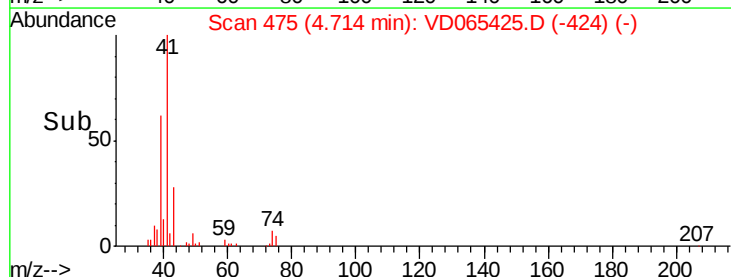
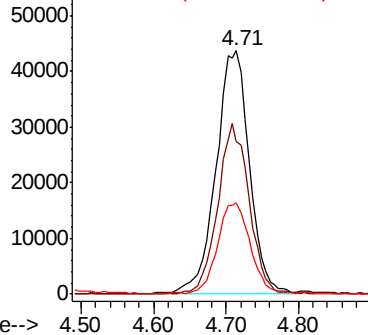
76 36.4 29.2 43.8

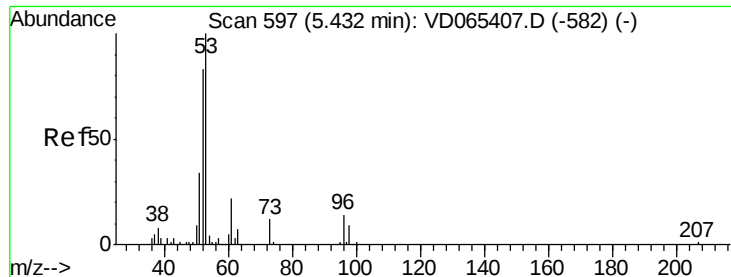


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 93.135 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

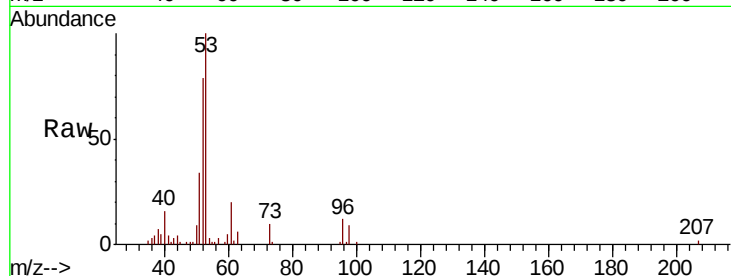
Tot Ion: 53 Resp: 87281

Ion Ratio Lower Upper

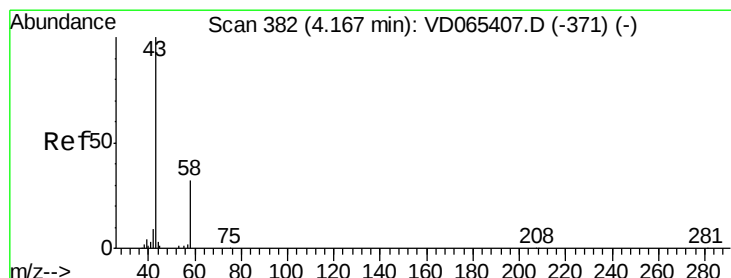
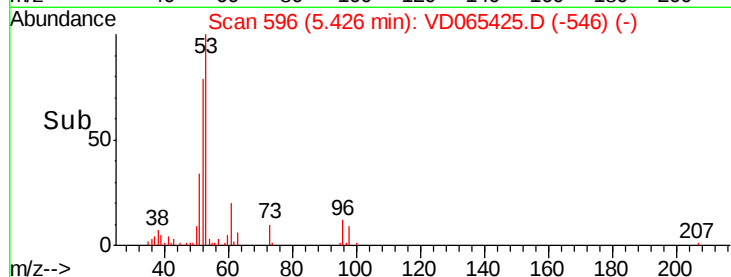
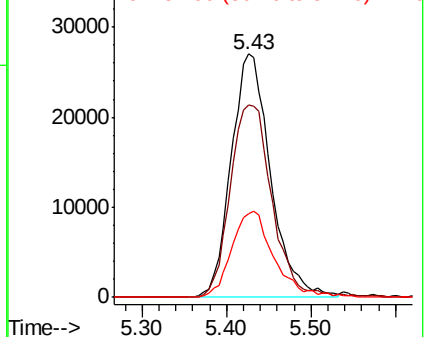
53 100

52 83.0 65.1 97.7

51 37.7 28.5 42.7



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



#16

Acetone

Concen: 93.626 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065425.D

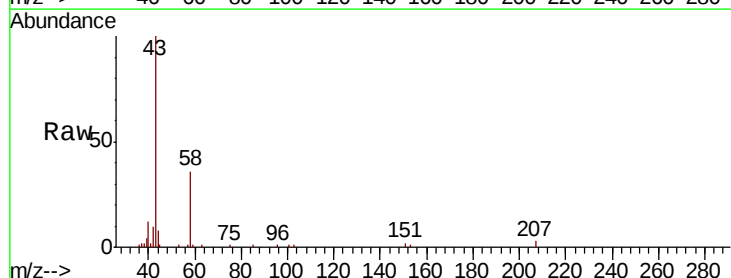
Acq: 05 Mar 2020 12:23

Tgt Ion: 43 Resp: 78020

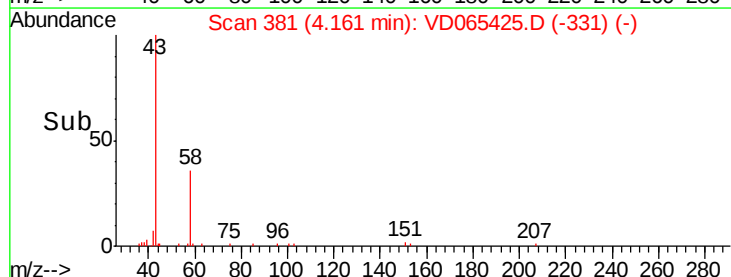
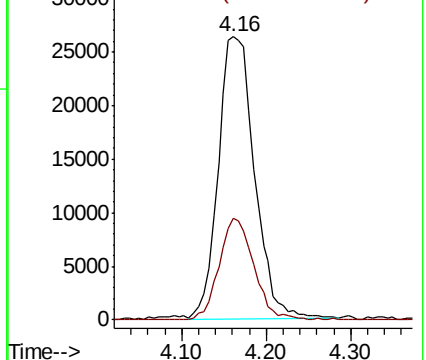
Ion Ratio Lower Upper

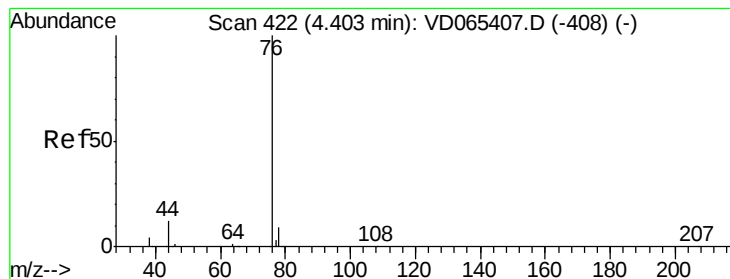
43 100

58 36.4 25.1 37.7



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





#17

Carbon Disulfide

Concen: 21.441 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

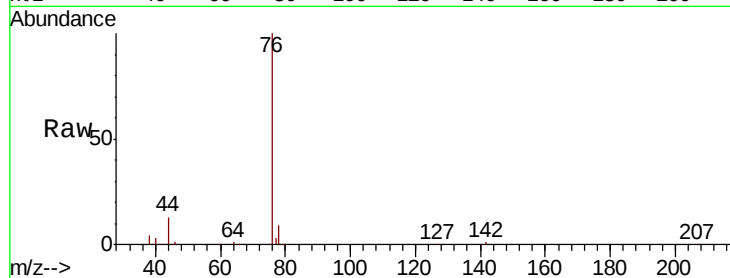
ClientSampleId :

Tot Ion: 76 Resp: 318980

Ion Ratio Lower Upper

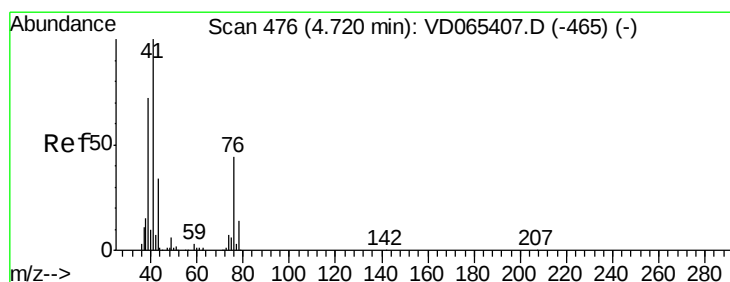
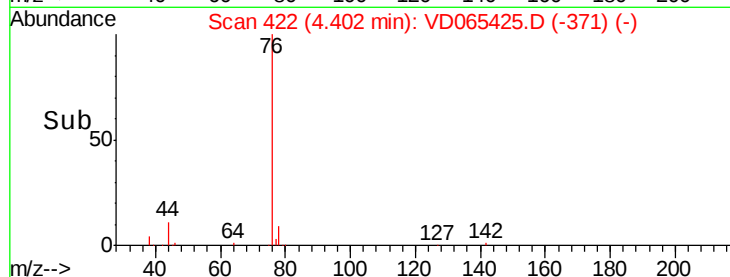
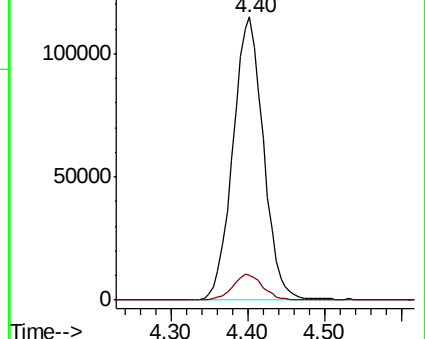
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.052 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065425.D

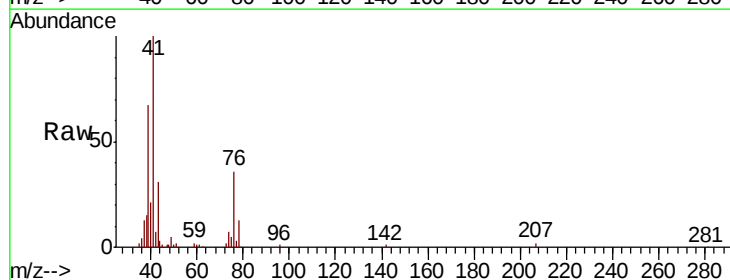
Acq: 05 Mar 2020 12:23

Tgt Ion: 43 Resp: 40273

Ion Ratio Lower Upper

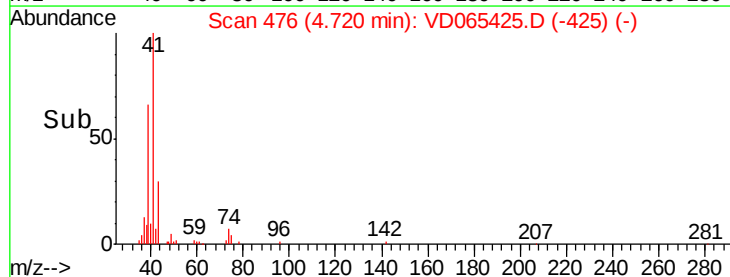
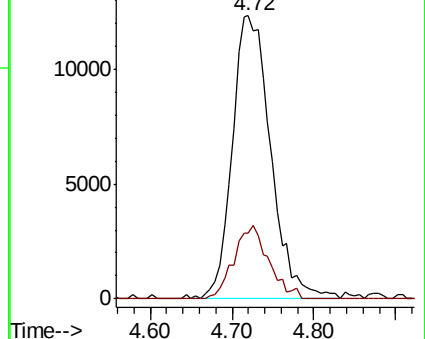
43 100

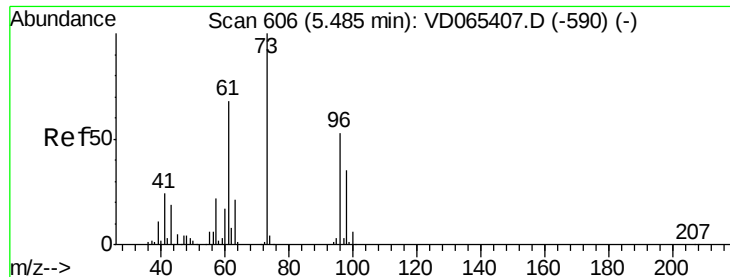
74 23.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

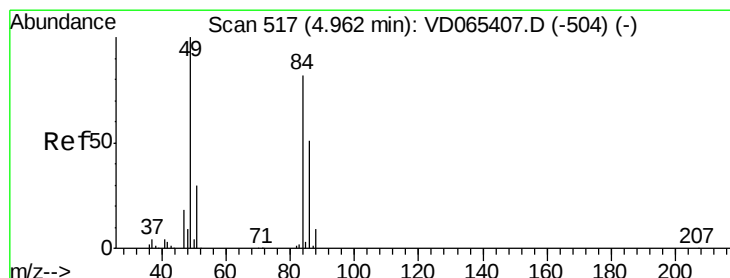
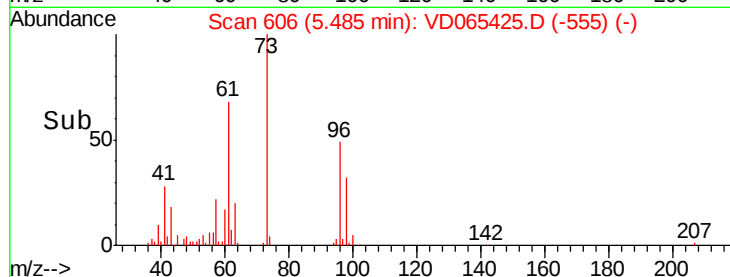
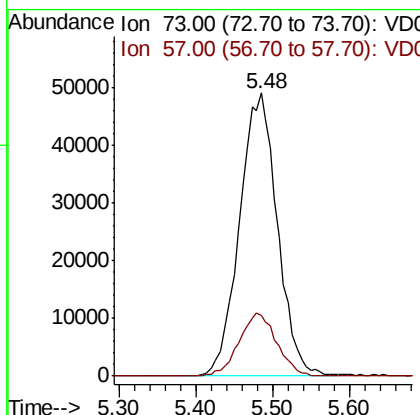
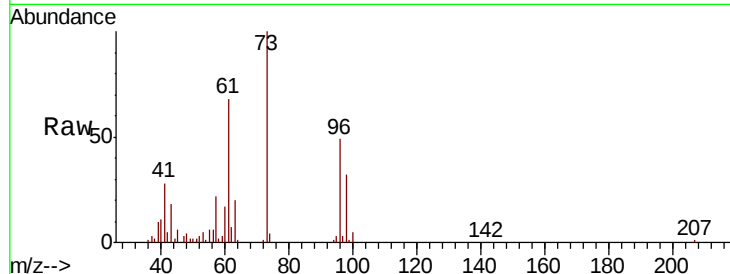




#19
Methvl tert-butvl Ether
Concen: 19.637 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

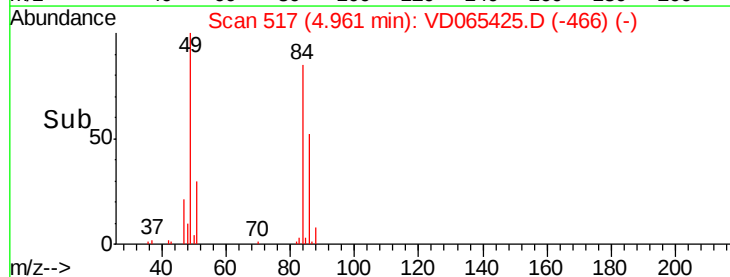
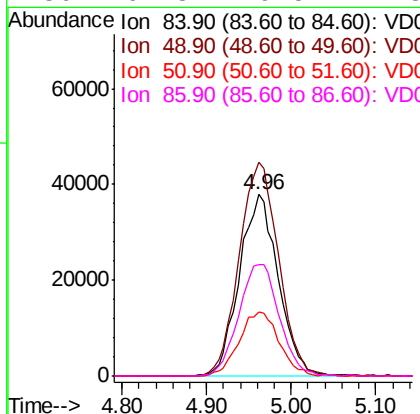
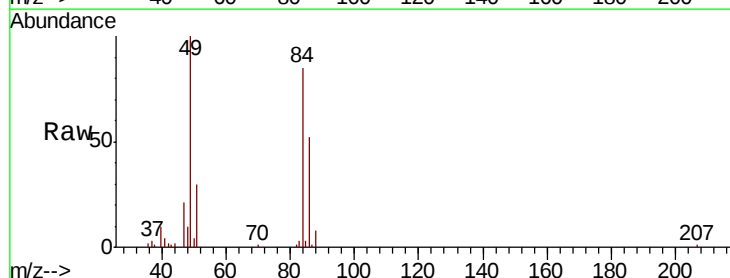
Instrument :
MSVOA_D
ClientSampleId :

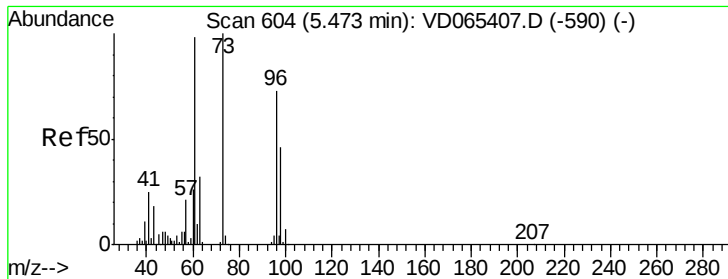
Tot Ion: 73 Resp: 168698
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9



#20
Methylene Chloride
Concen: 24.968 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion: 84 Resp: 120816
Ion Ratio Lower Upper
84 100
49 117.8 97.7 146.5
51 35.2 28.8 43.2
86 61.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.746 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :

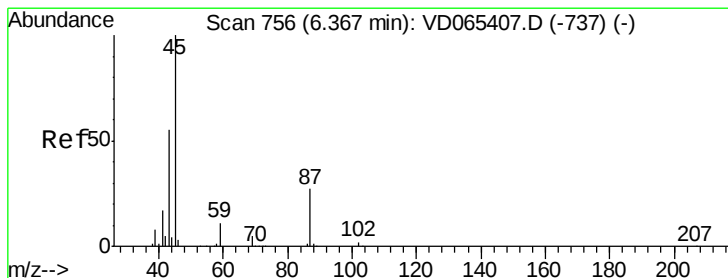
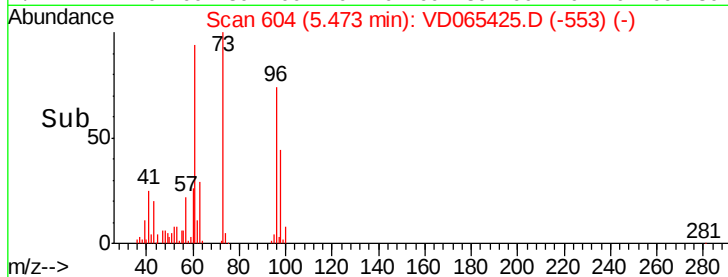
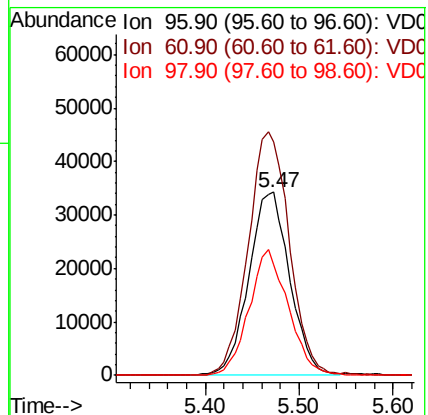
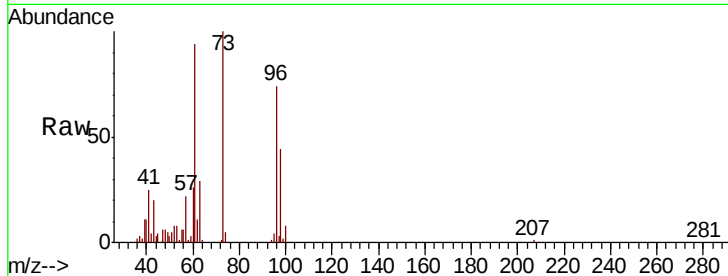
Tot Ion: 96 Resp: 103097

Ion Ratio Lower Upper

96 100

61 127.3 106.3 159.5

98 60.1 50.2 75.4



#22

Diisopropyl ether

Concen: 21.557 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Tgt Ion: 45 Resp: 275009

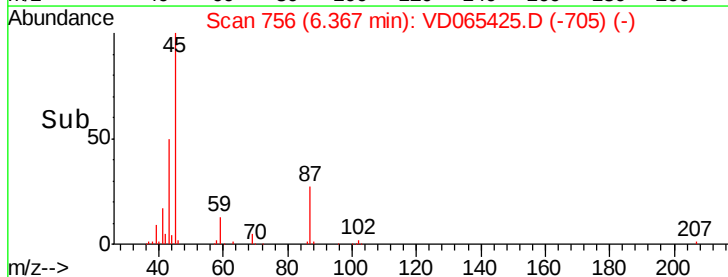
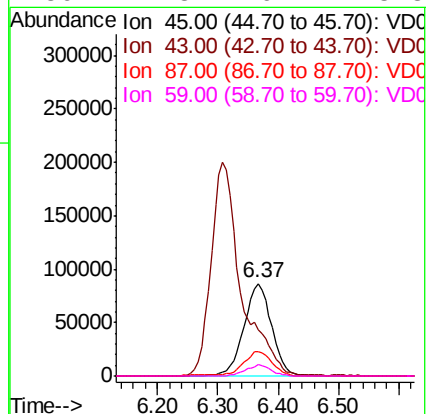
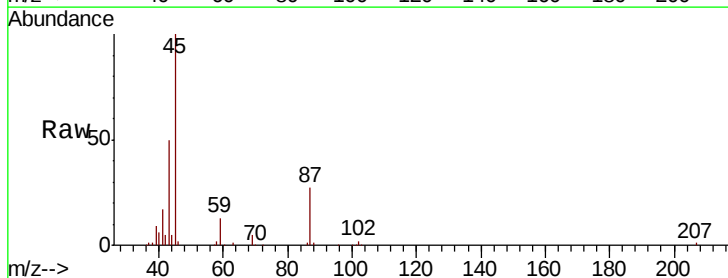
Ion Ratio Lower Upper

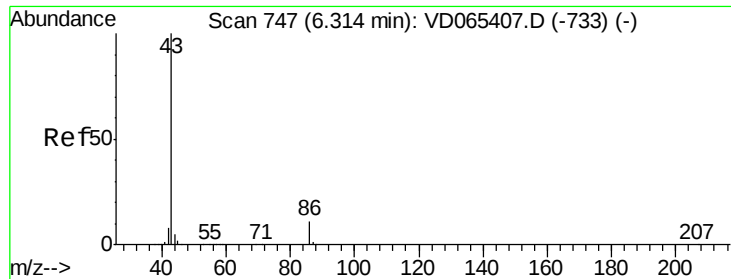
45 100

43 49.2 44.4 66.6

87 26.6 21.9 32.9

59 12.8 9.2 13.8





#23

Vinyl Acetate

Concen: 97.547 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

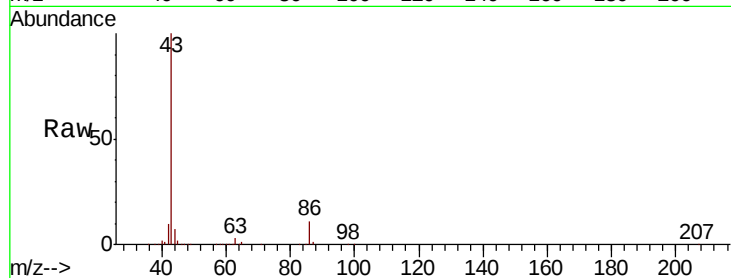
ClientSampleId :

Tot Ion: 43 Resp: 690958

Ion Ratio Lower Upper

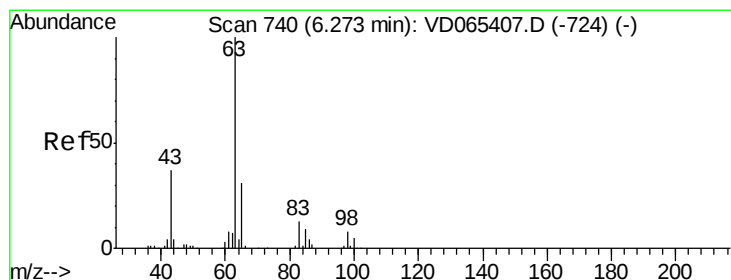
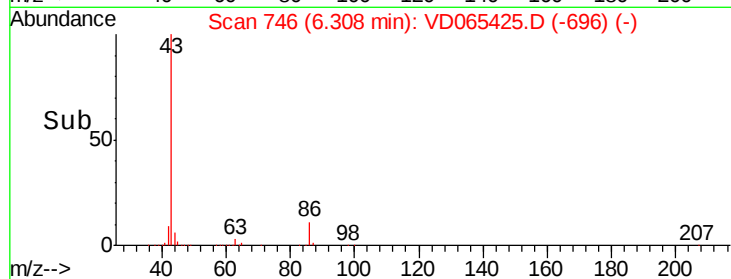
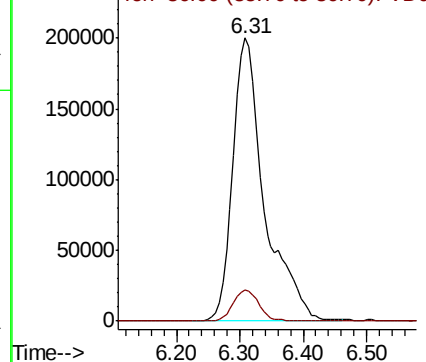
43 100

86 11.2 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.139 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

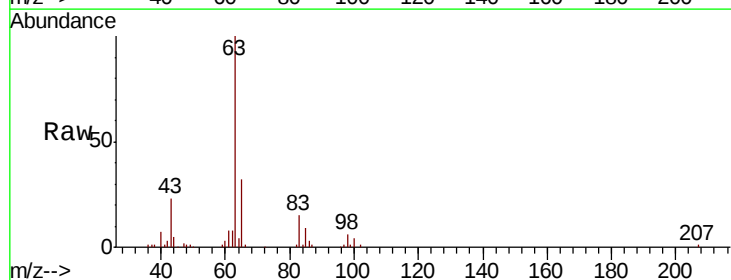
Tgt Ion: 63 Resp: 172969

Ion Ratio Lower Upper

63 100

98 5.8 4.2 12.6

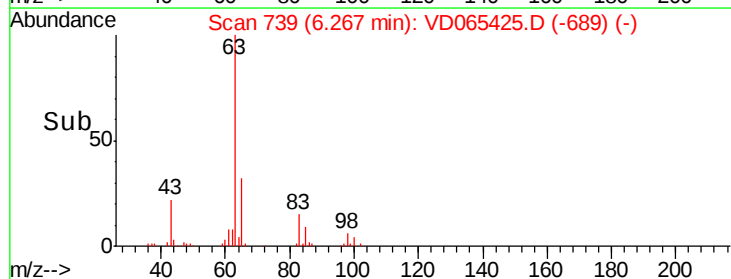
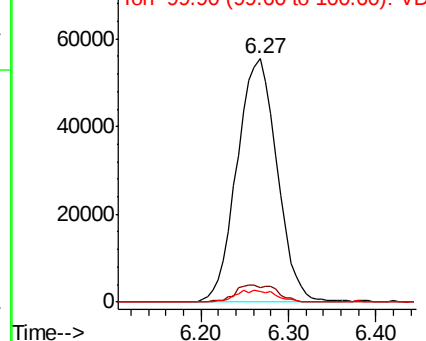
100 4.2 2.4 7.2

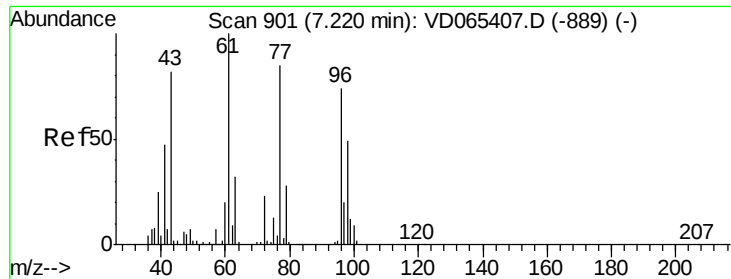


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 89.521 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

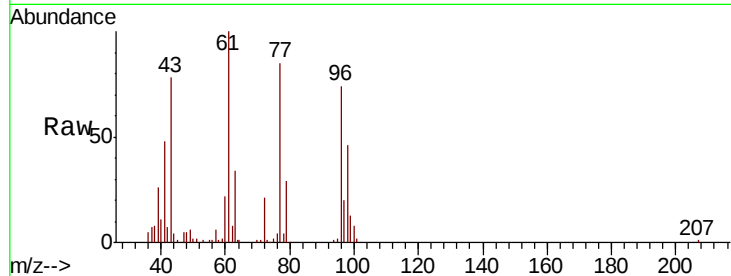
ClientSampleId :

Tot Ion: 43 Resp: 101802

Ion Ratio Lower Upper

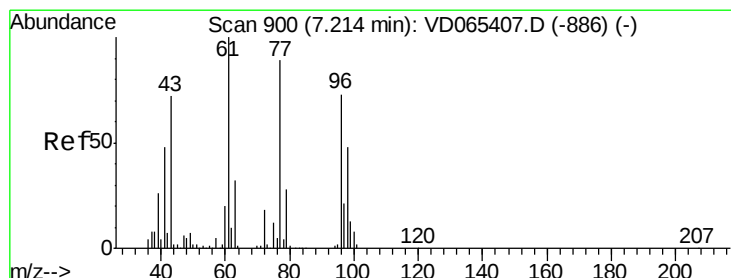
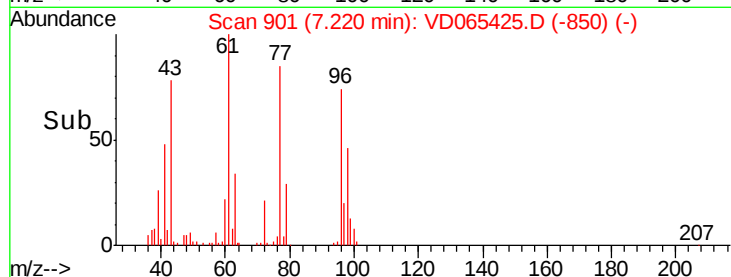
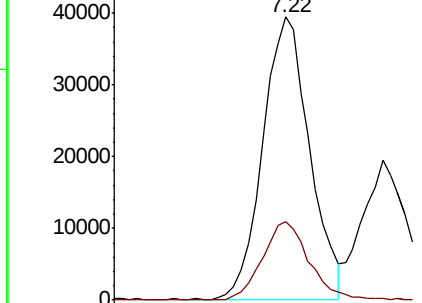
43 100

72 27.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.763 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065425.D

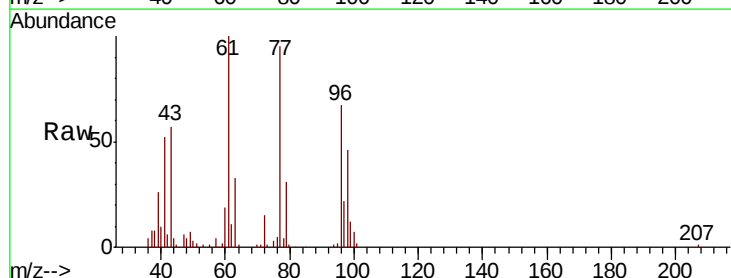
Acq: 05 Mar 2020 12:23

Tgt Ion: 77 Resp: 148471

Ion Ratio Lower Upper

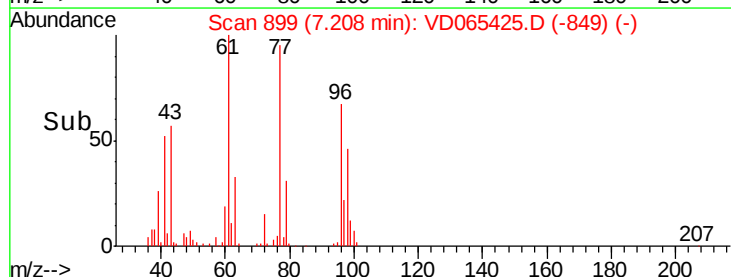
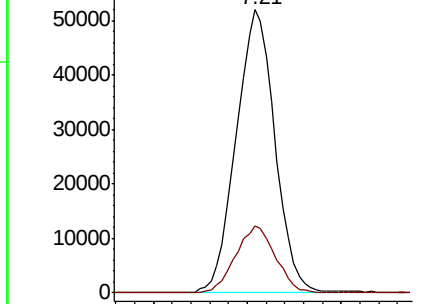
77 100

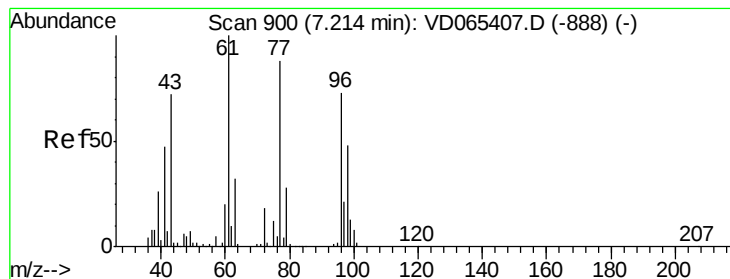
97 24.1 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 20.657 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampled :

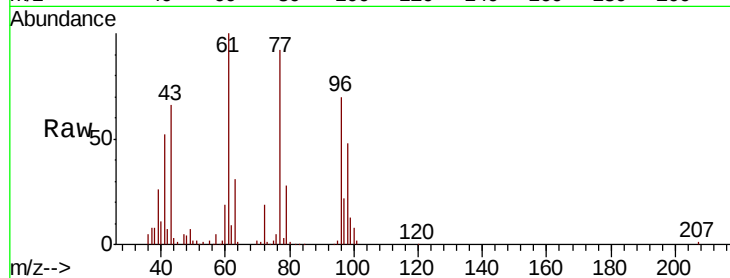
Tot Ion: 96 Resp: 104930

Ion Ratio Lower Upper

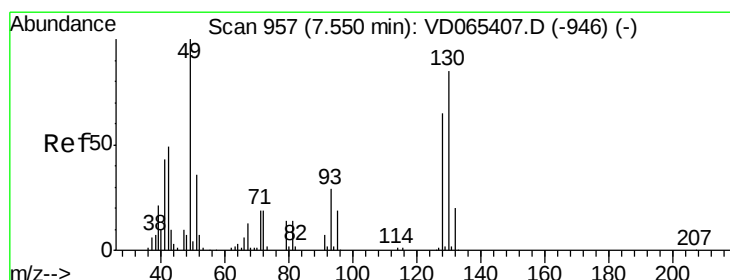
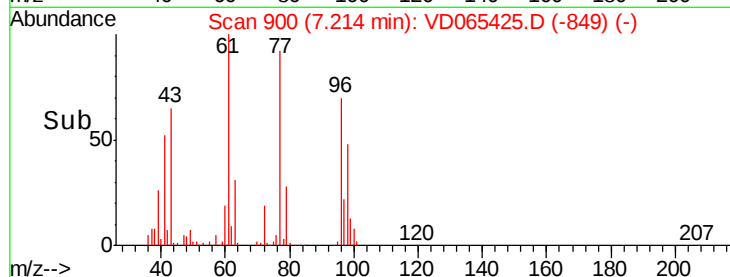
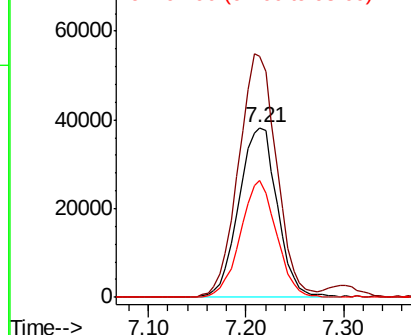
96 100

61 141.9 0.0 280.4

98 64.6 0.0 132.6



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



#28

Bromochloromethane

Concen: 21.318 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

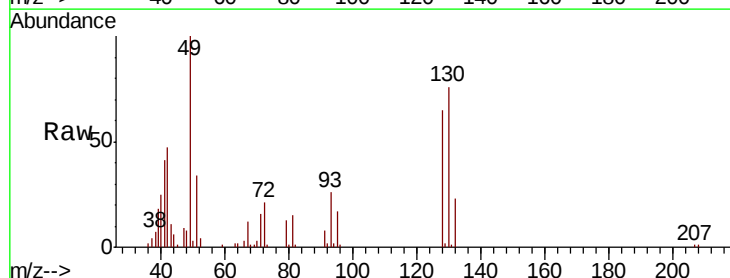
Tgt Ion: 49 Resp: 69788

Ion Ratio Lower Upper

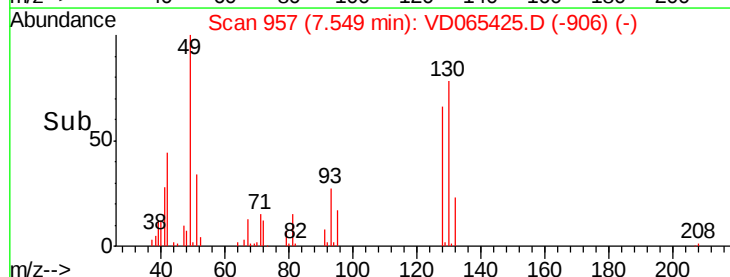
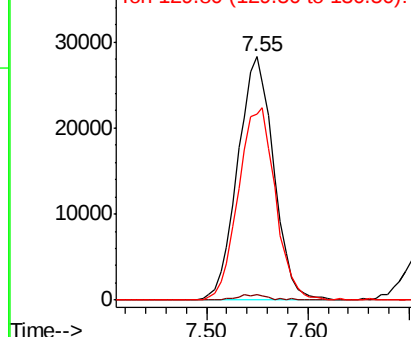
49 100

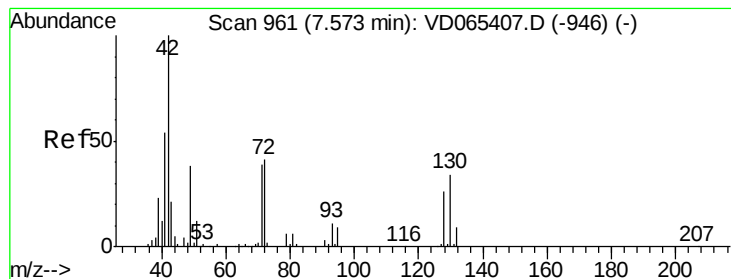
129 1.9 0.0 4.6

130 81.3 66.6 100.0



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





#29

Tetrahydrofuran

Concen: 93.235 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

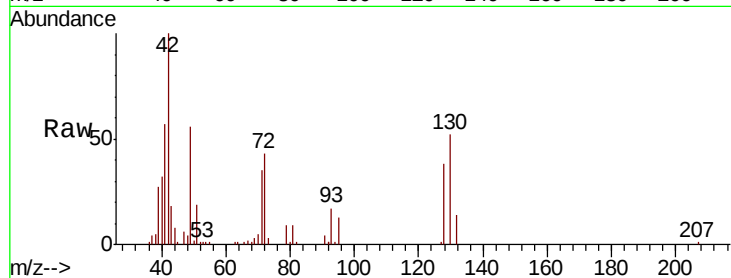
Tot Ion: 42 Resp: 67709

Ion Ratio Lower Upper

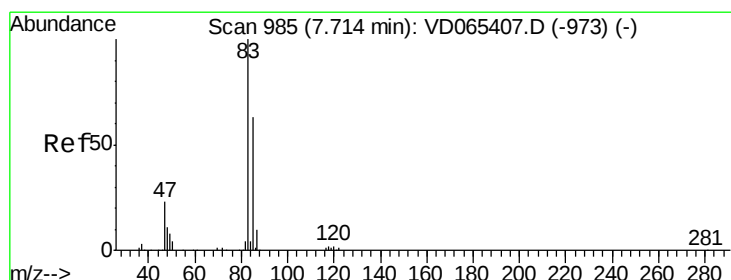
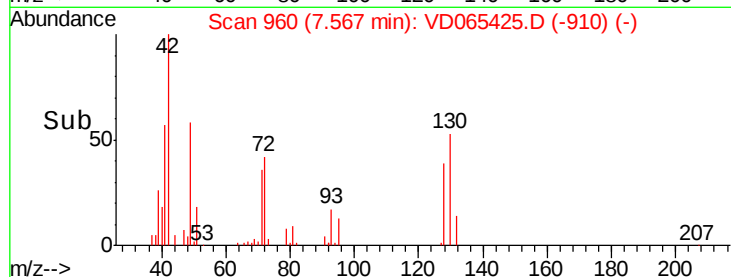
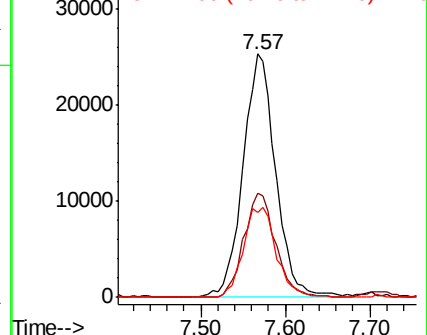
42 100

72 41.7 33.0 49.6

71 37.3 32.0 48.0



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



#30

Chloroform

Concen: 21.354 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065425.D

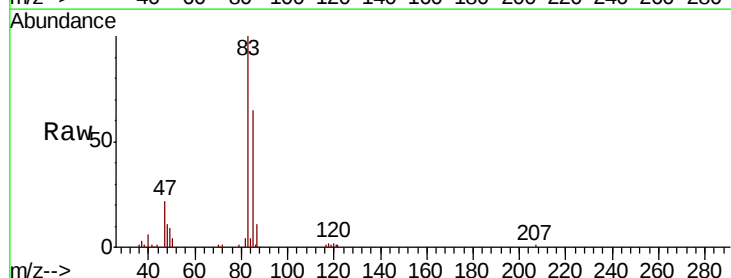
Acq: 05 Mar 2020 12:23

Tgt Ion: 83 Resp: 174648

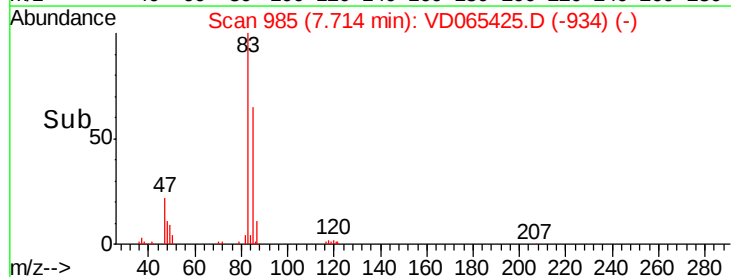
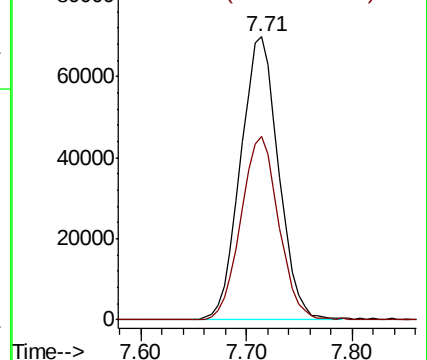
Ion Ratio Lower Upper

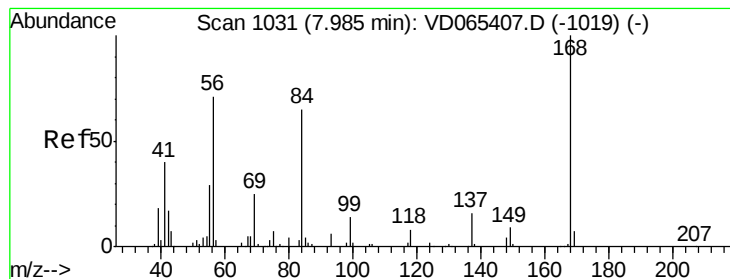
83 100

85 64.9 50.3 75.5



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





#31

Cyclohexane

Concen: 20.675 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :

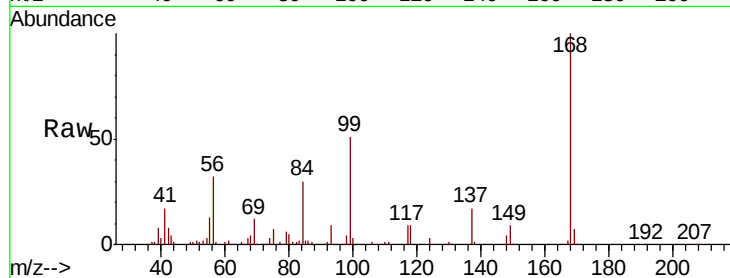
Tot Ion: 56 Resp: 169164

Ion Ratio Lower Upper

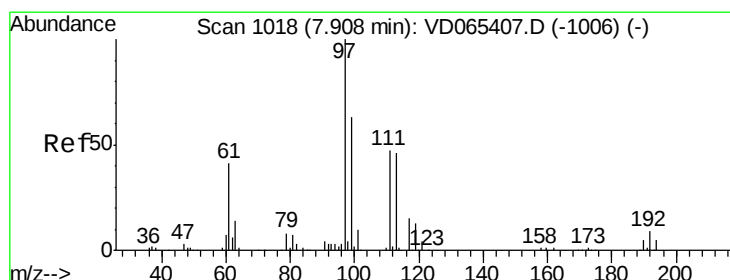
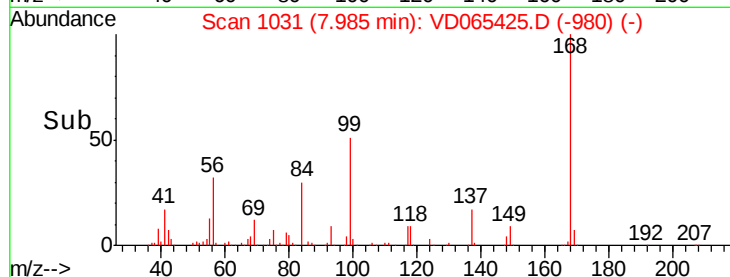
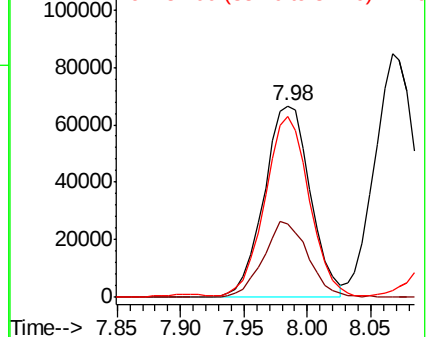
56 100

69 38.4 28.3 42.5

84 93.0 73.1 109.7



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



#32

1,1,1-Trichloroethane

Concen: 20.984 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

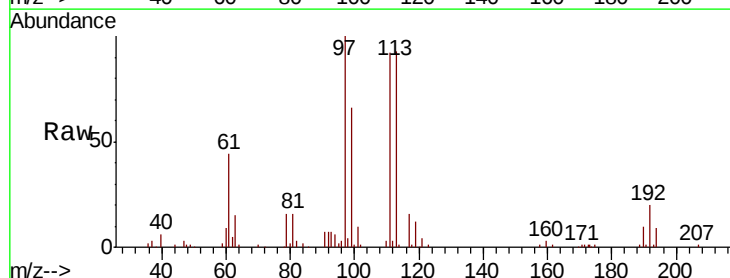
Tgt Ion: 97 Resp: 158599

Ion Ratio Lower Upper

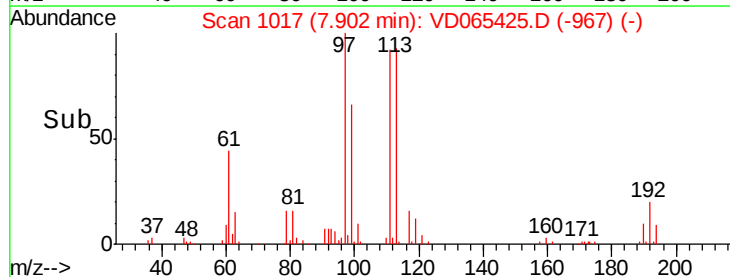
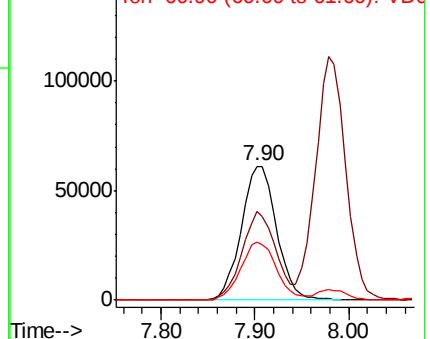
97 100

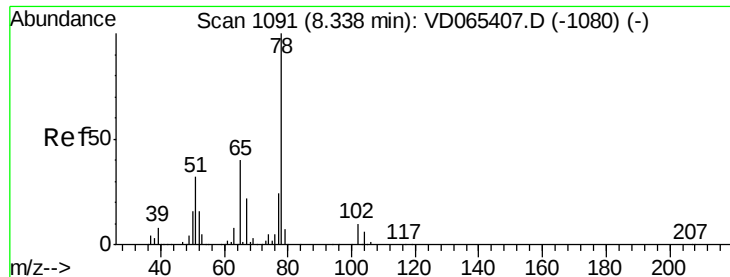
99 64.4 50.9 76.3

61 43.7 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.314 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

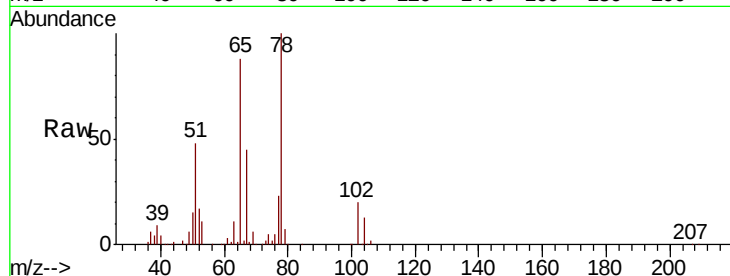
ClientSampleId :

Tot Ion: 65 Resp: 207315

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

60000

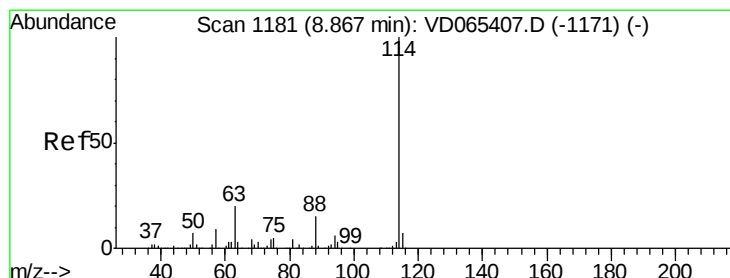
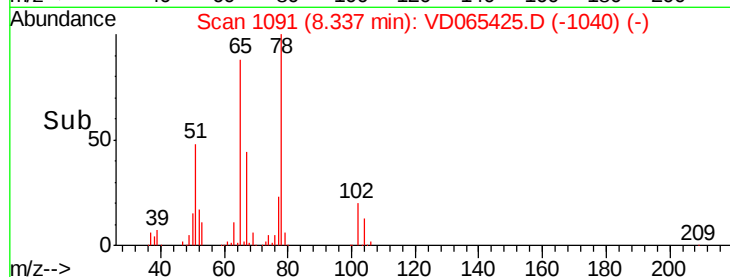
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

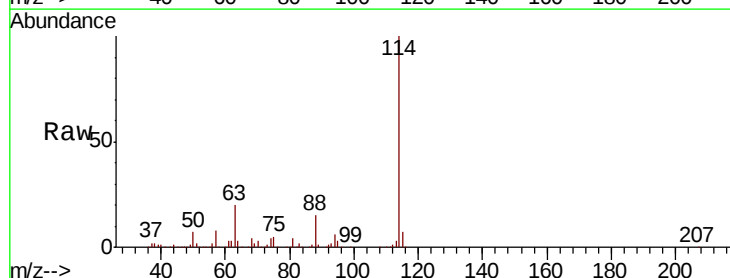
Tgt Ion: 114 Resp: 709751

Ion Ratio Lower Upper

114 100

63 19.7 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): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

300000

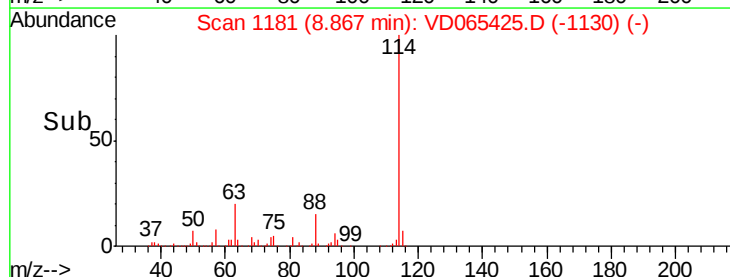
200000

100000

0

8.80 8.90

Time-->

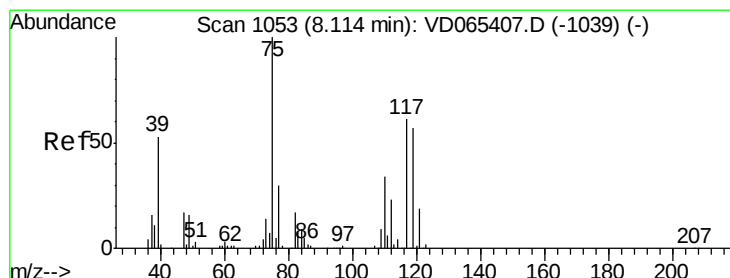
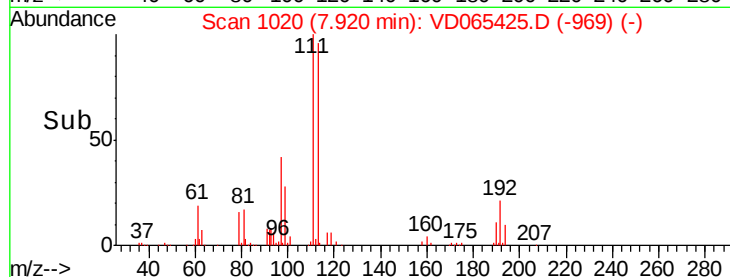
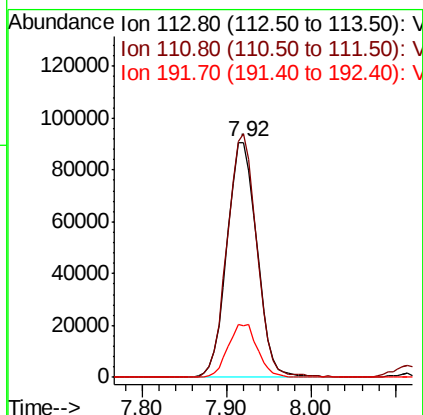
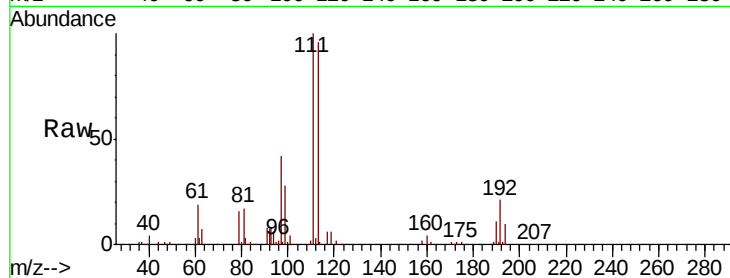




#35
Dibromofluoromethane
Concen: 50.634 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

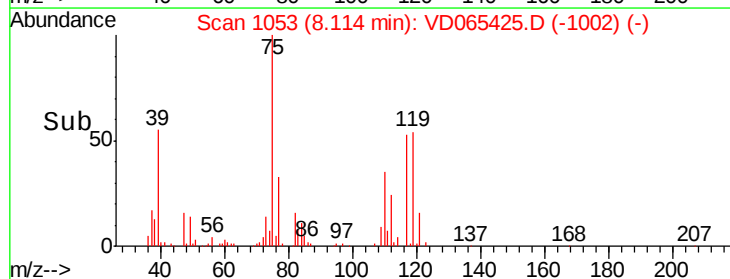
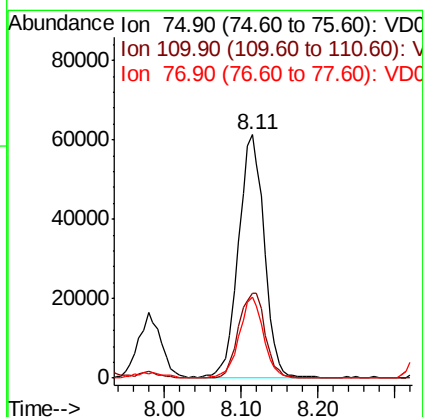
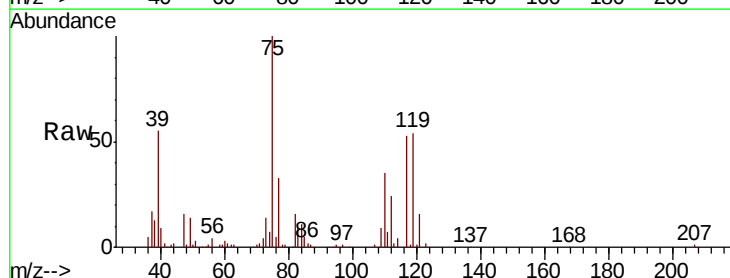
Instrument :
MSVOA_D
ClientSampled :

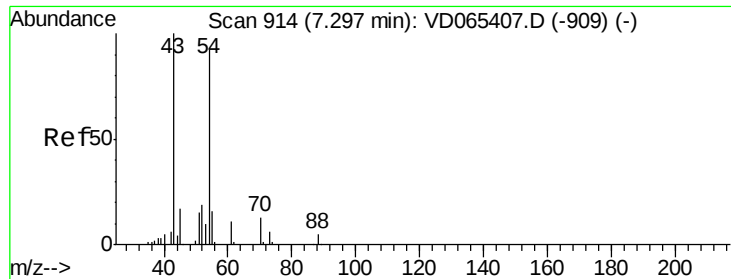
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.1	123.1
192	22.3	17.2	25.8



#36
1,1-Dichloropropene
Concen: 21.219 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.1
77	31.6	25.2	37.8

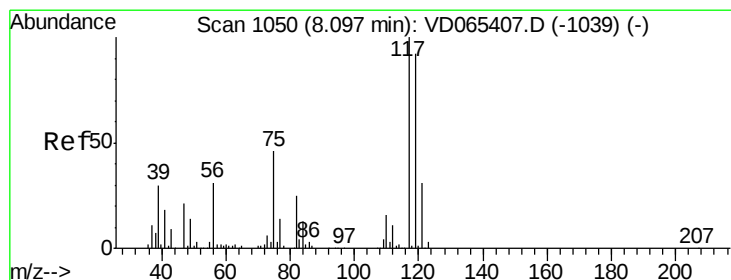
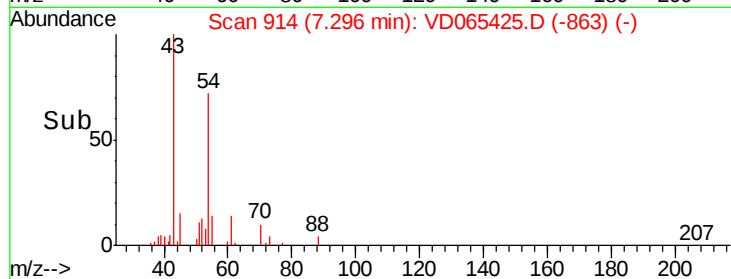
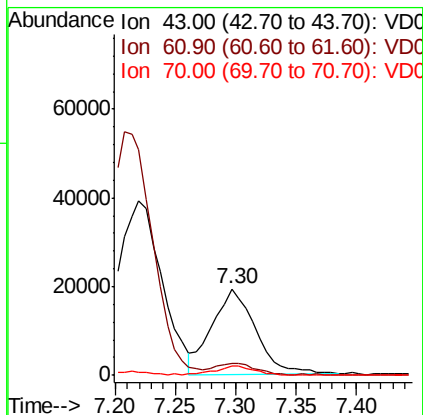
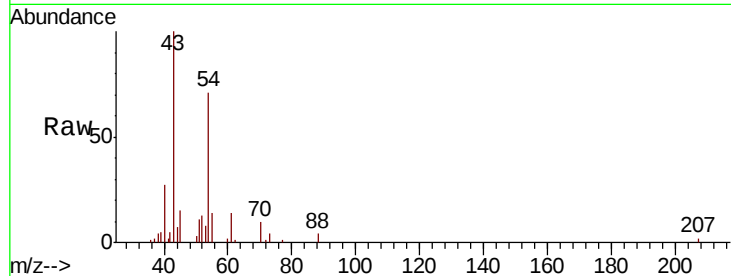




#37
Ethyl Acetate
Concen: 18.496 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

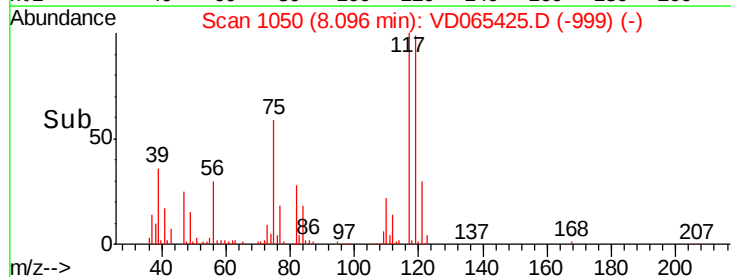
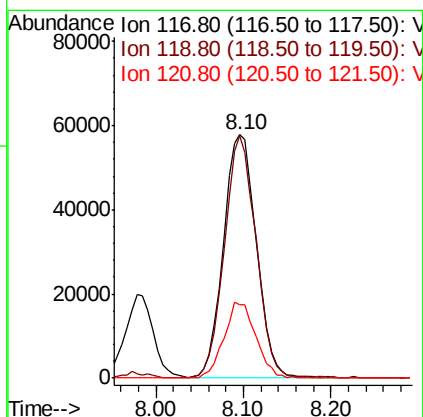
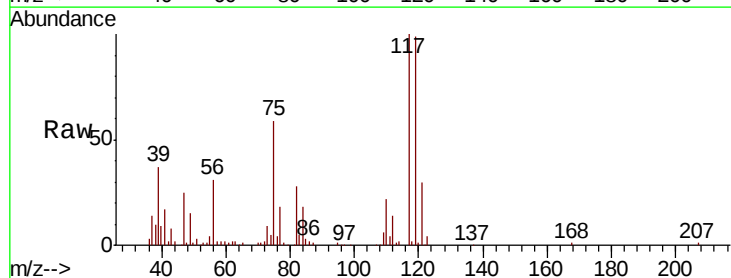
Instrument :
MSVOA_D
ClientSampleId :

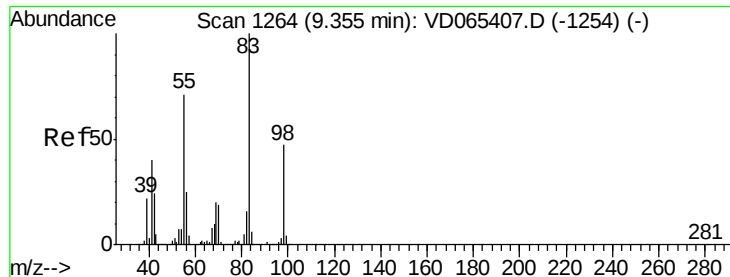
Tot Ion: 43 Resp: 48638
Ion Ratio Lower Upper
43 100
61 13.6 11.4 17.0
70 9.8 9.0 13.4



#38
Carbon Tetrachloride
Concen: 21.109 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion: 117 Resp: 148922
Ion Ratio Lower Upper
117 100
119 99.4 73.3 109.9
121 30.0 25.0 37.4

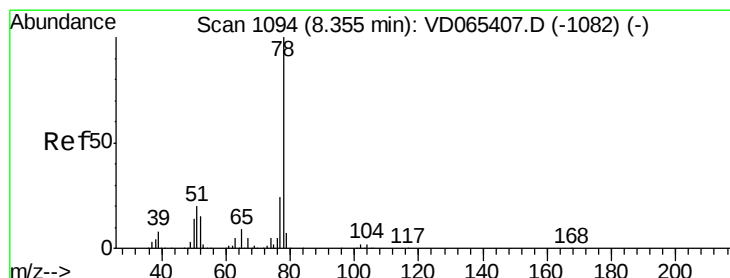
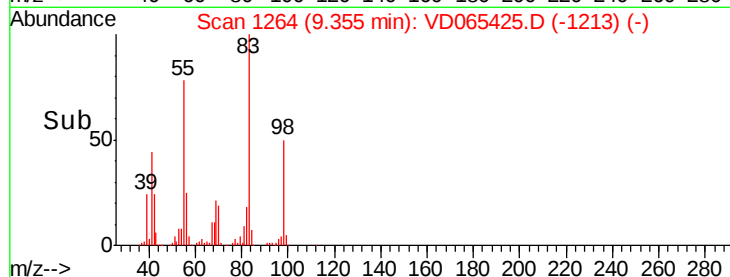
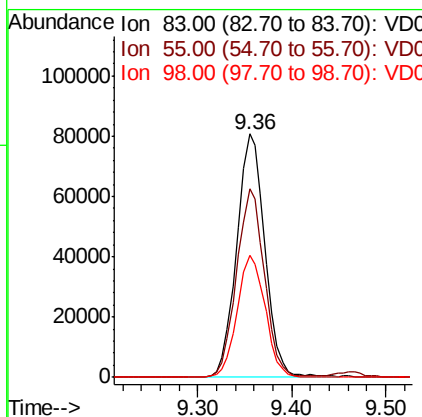
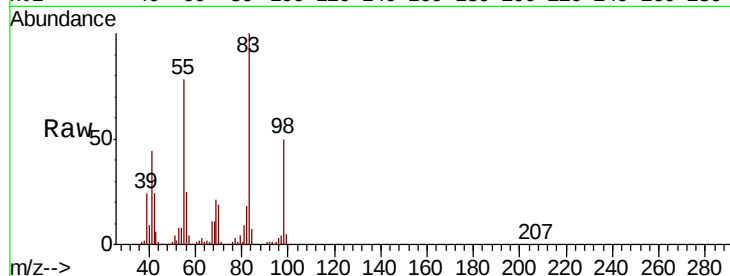




#39
Methvlcvclohexane
Concen: 20.348 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

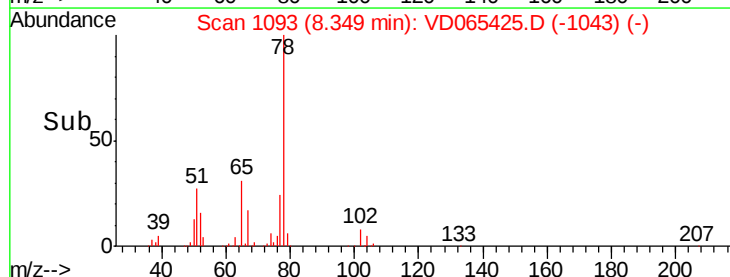
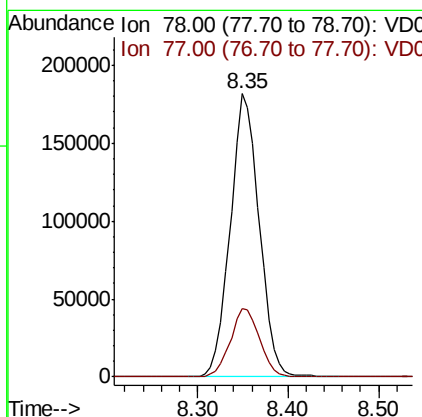
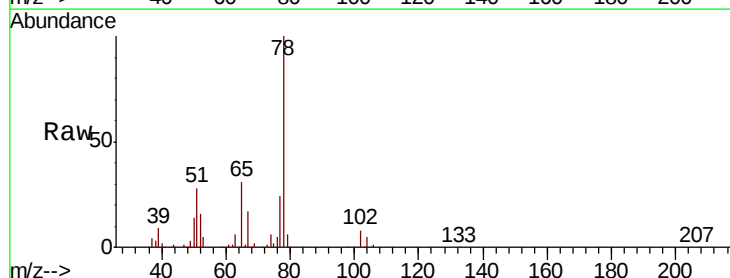
Instrument :
MSVOA_D
ClientSampleId :

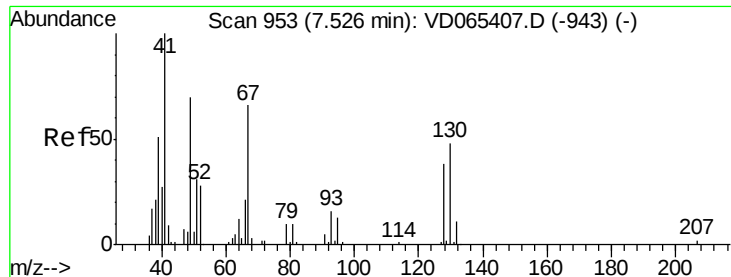
Tot Ion: 83 Resp: 167197
Ion Ratio Lower Upper
83 100
55 77.7 57.1 85.7
98 50.3 37.8 56.8



#40
Benzene
Concen: 21.223 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion: 78 Resp: 403708
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.0

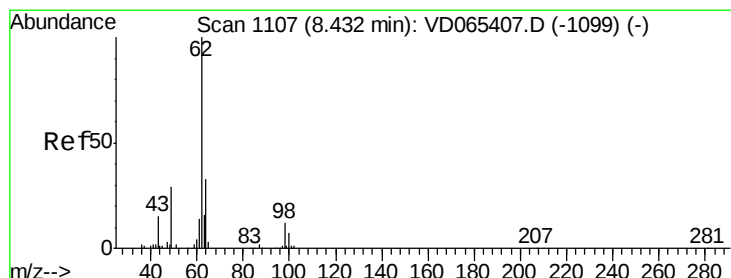
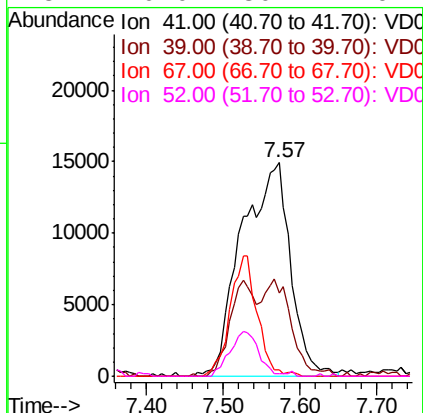
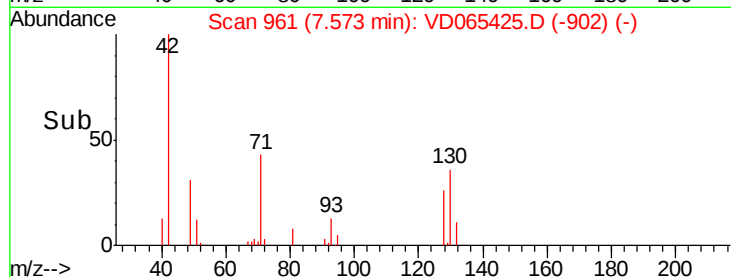
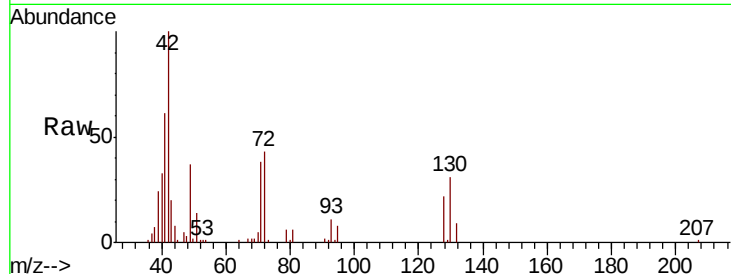




#41
Methacrylonitrile
Concen: 47.363 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.05 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

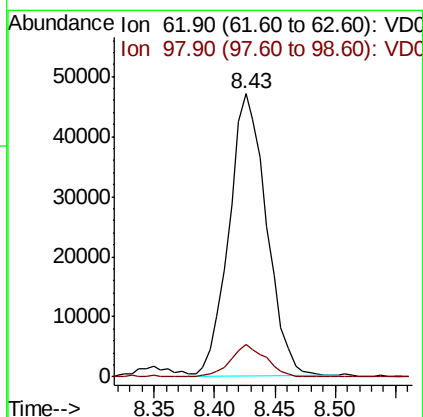
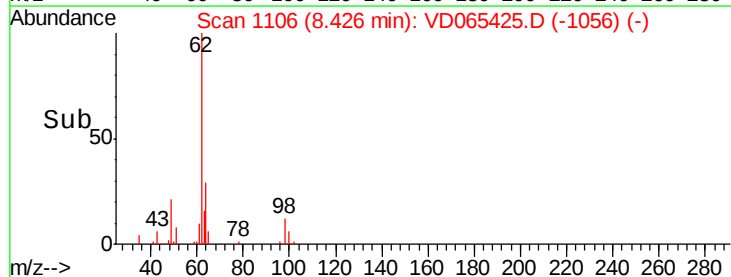
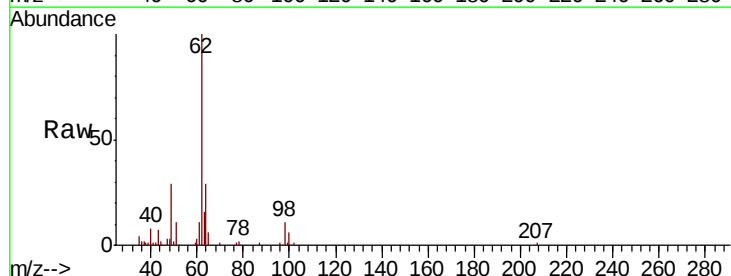
Instrument :
MSVOA_D
ClientSampleId :

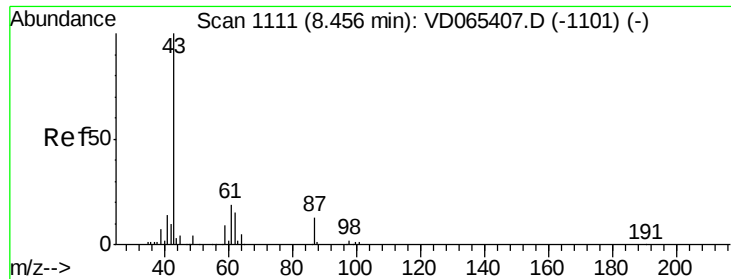
Tot Ion: 41 Resp: 65867
Ion Ratio Lower Upper
41 100
39 24.4 55.0 82.6#
67 0.0 70.3 105.5#
52 0.0 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 20.494 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion: 62 Resp: 101798
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.4

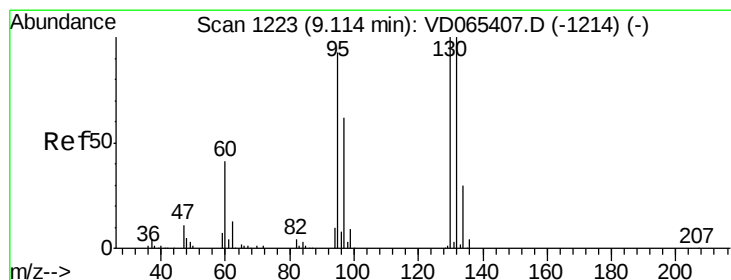
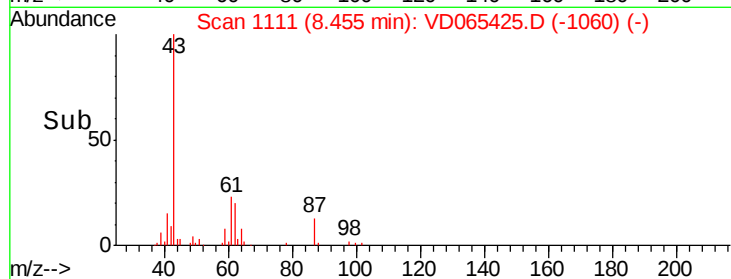
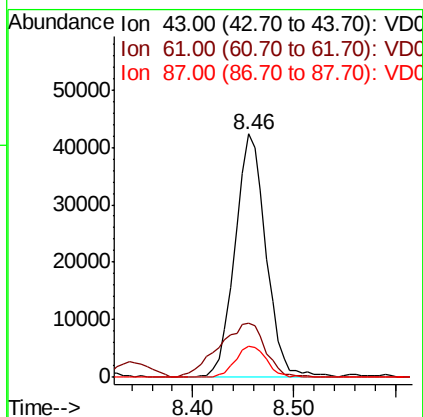
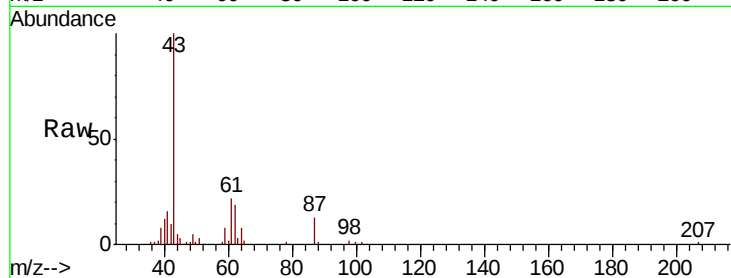




#43
Isopropyl Acetate
Concen: 18.534 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

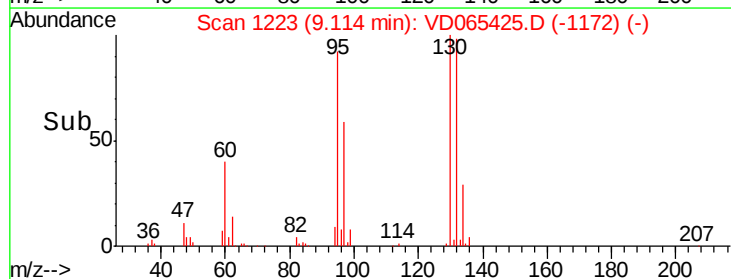
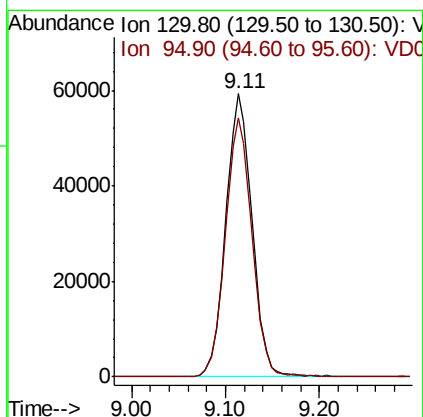
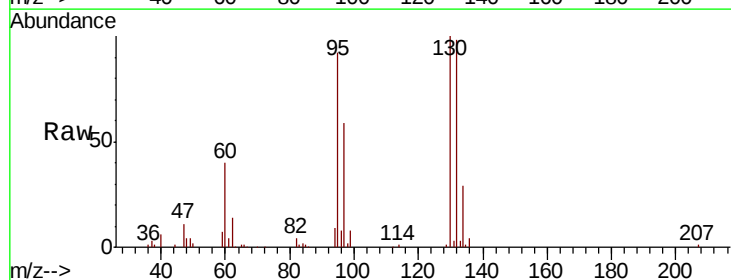
Instrument :
MSVOA_D
ClientSampleId :

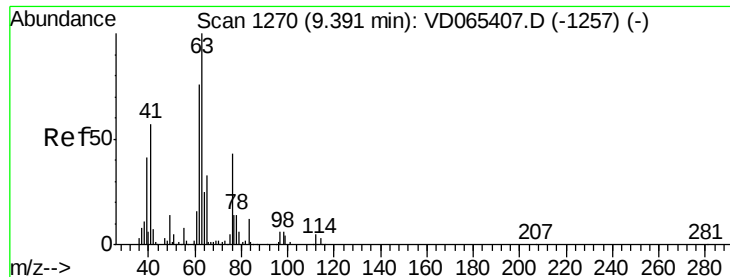
Tot Ion: 43 Resp: 89993
Ion Ratio Lower Upper
43 100
61 33.4 25.0 37.6
87 12.7 11.0 16.4



#44
Trichloroethene
Concen: 21.417 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion: 130 Resp: 115053
Ion Ratio Lower Upper
130 100
95 91.7 0.0 186.0





#45

1,2-Dichloropropane

Concen: 20.797 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

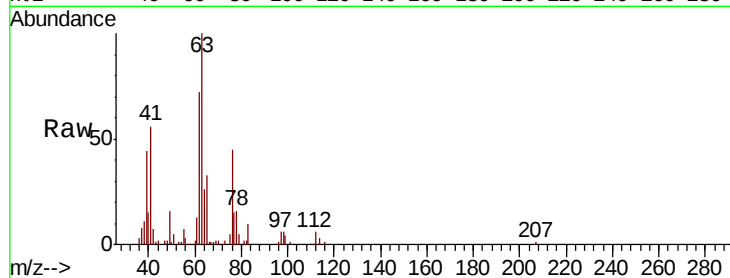
ClientSampled :

Tot Ion: 63 Resp: 95828

Ion Ratio Lower Upper

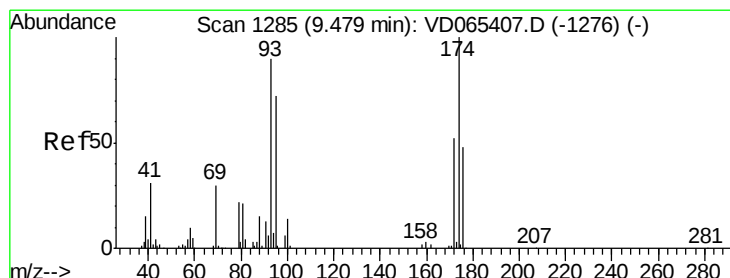
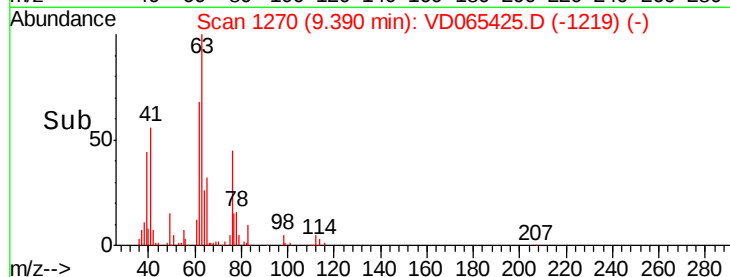
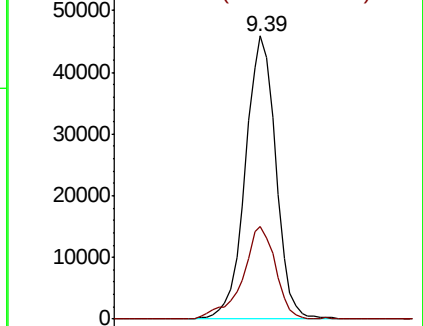
63 100

65 32.7 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.373 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

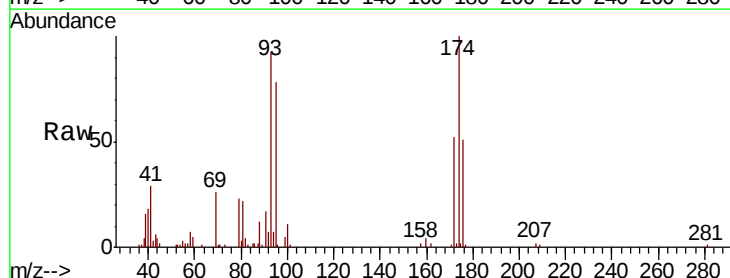
Tgt Ion: 93 Resp: 48693

Ion Ratio Lower Upper

93 100

95 83.2 65.0 97.6

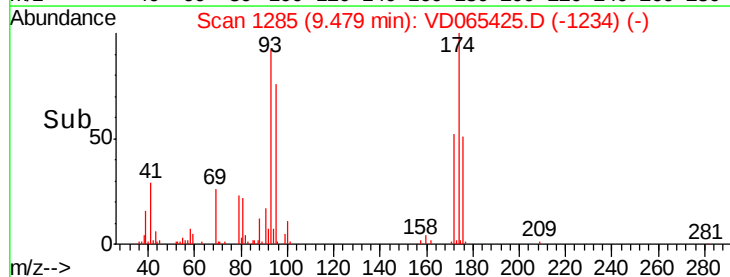
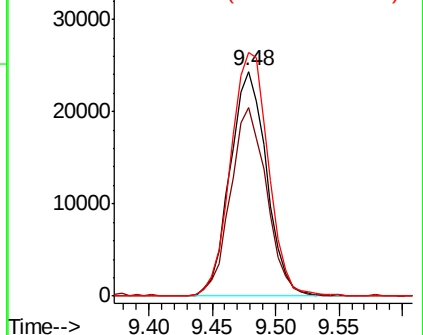
174 112.2 88.3 132.5

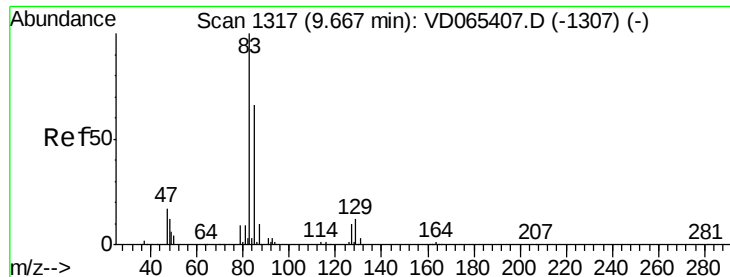


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.029 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

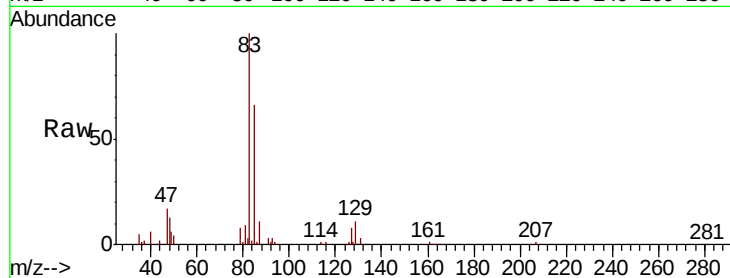
Tot Ion: 83 Resp: 130758

Ion Ratio Lower Upper

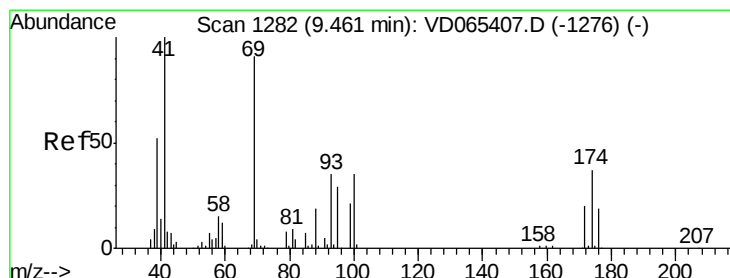
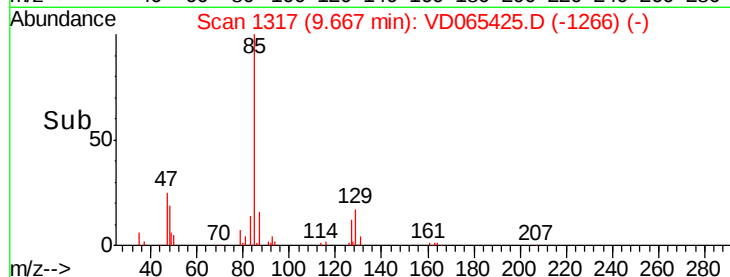
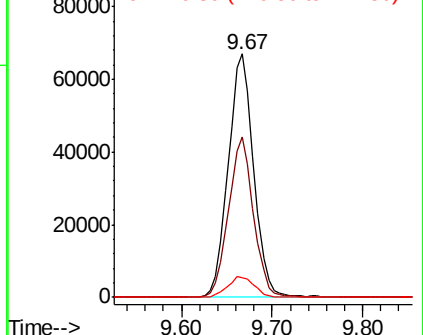
83 100

85 66.1 52.8 79.2

127 7.9 8.0 12.0#



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



#48

Methyl methacrylate

Concen: 18.496 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

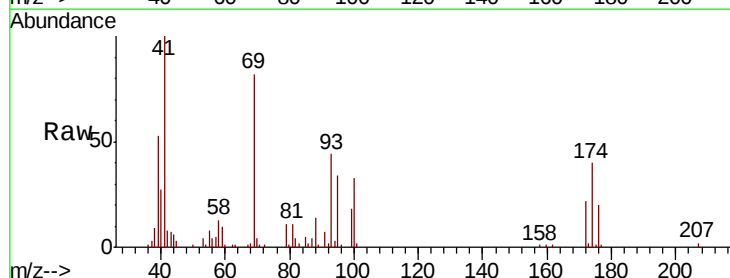
Tgt Ion: 41 Resp: 42243

Ion Ratio Lower Upper

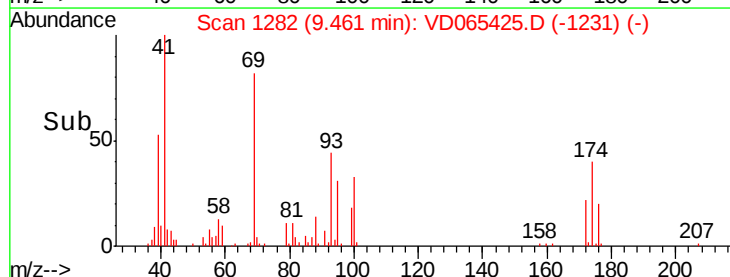
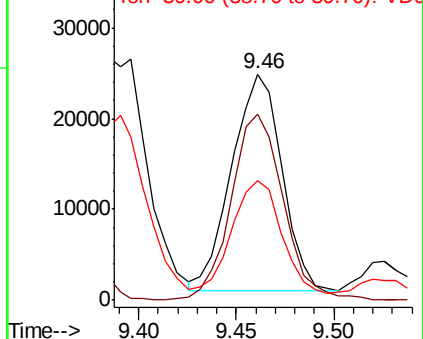
41 100

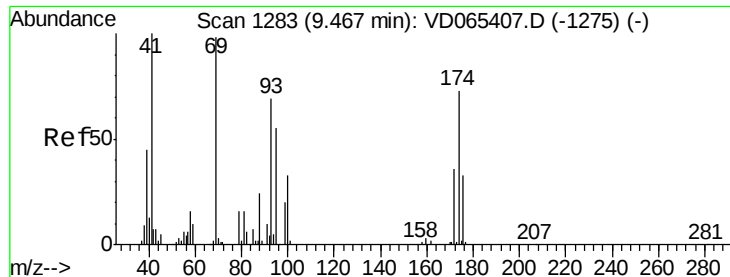
69 89.8 72.5 108.7

39 51.6 41.6 62.4



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

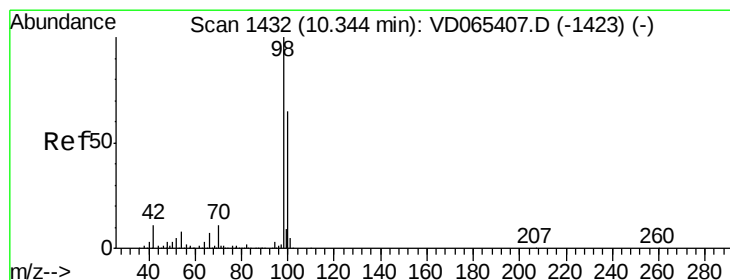
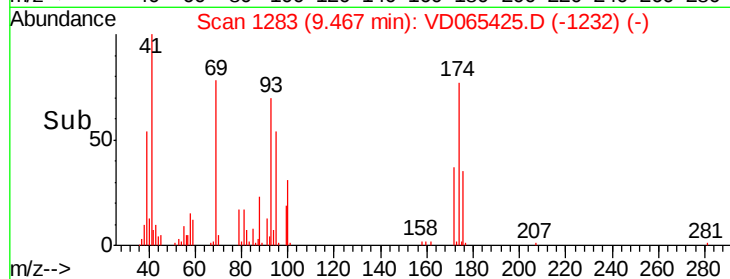
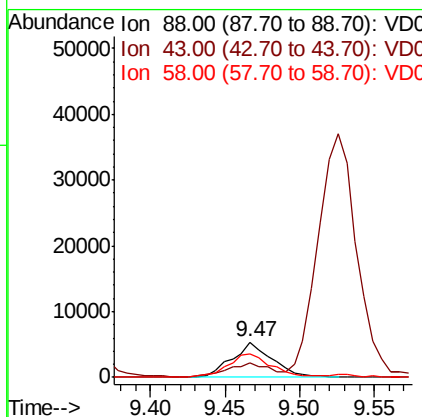
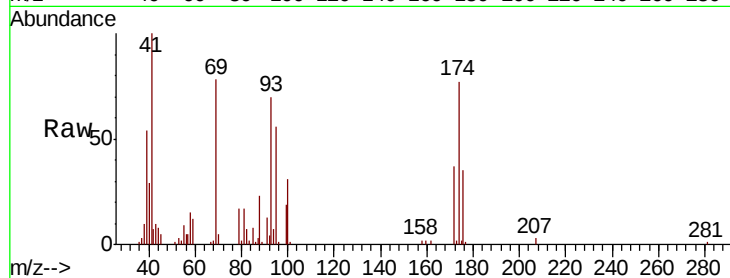




#49
1,4-Dioxane
Concen: 362.816 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

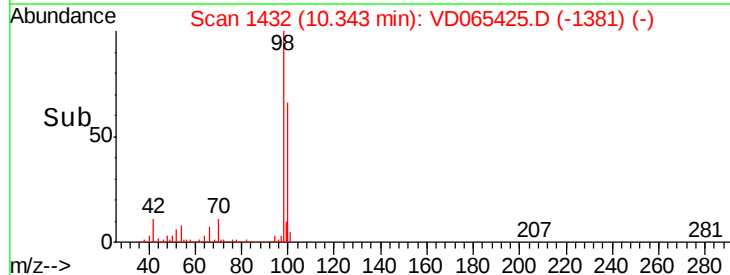
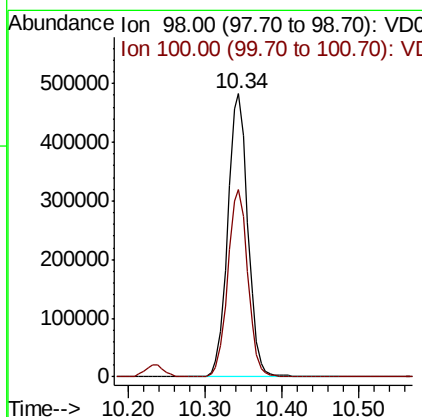
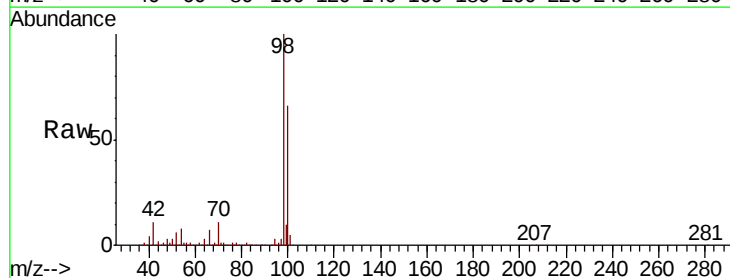
Instrument :
MSVOA_D
ClientSampleId :

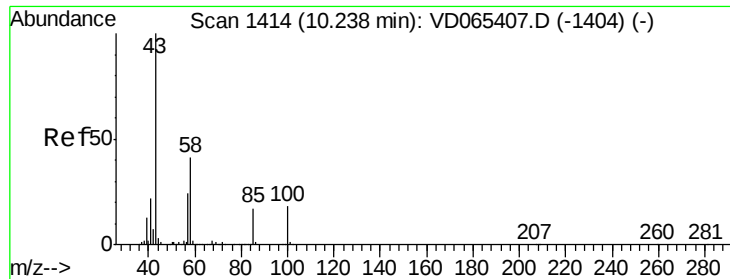
Tot Ion: 88 Resp: 9919
Ion Ratio Lower Upper
88 100
43 42.2 24.5 36.7#
58 72.2 54.5 81.7



#50
Toluene-d8
Concen: 52.380 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion: 98 Resp: 881997
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2

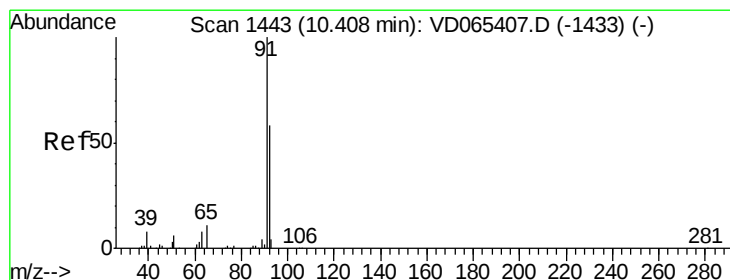
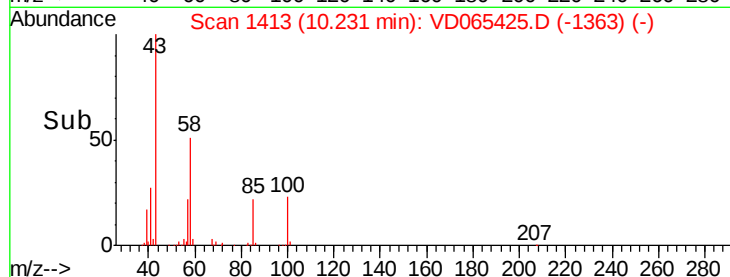
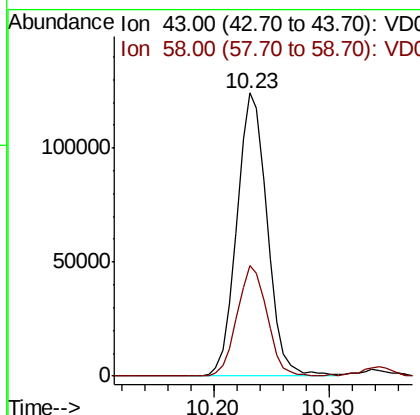
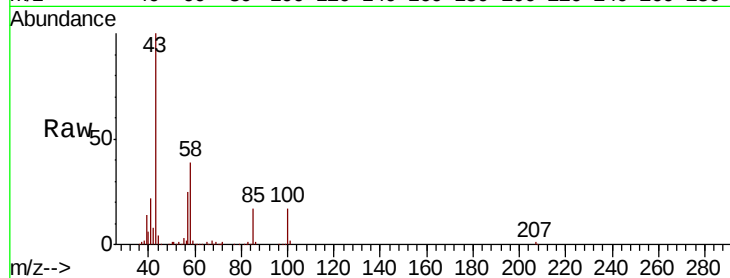




#51
 4-Methyl-2-Pentanone
 Concen: 92.593 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

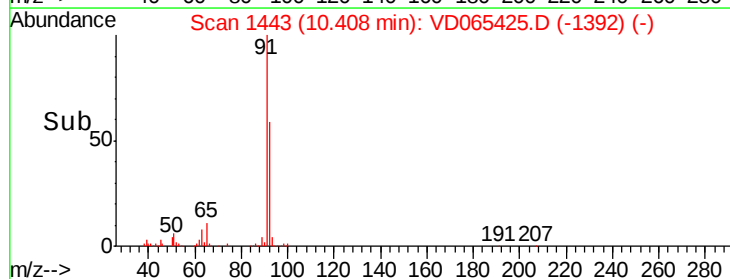
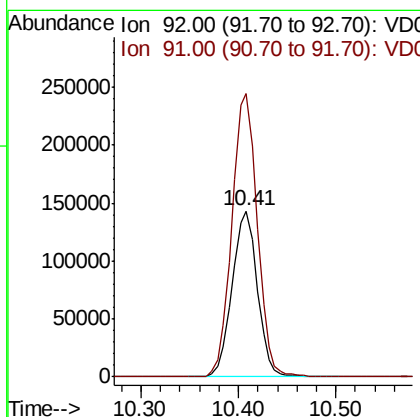
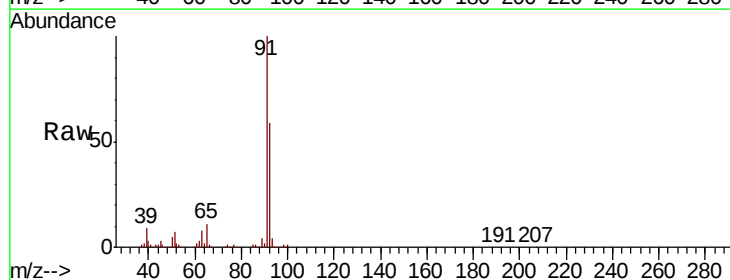
Instrument :
 MSVOA_D
 ClientSampleId :

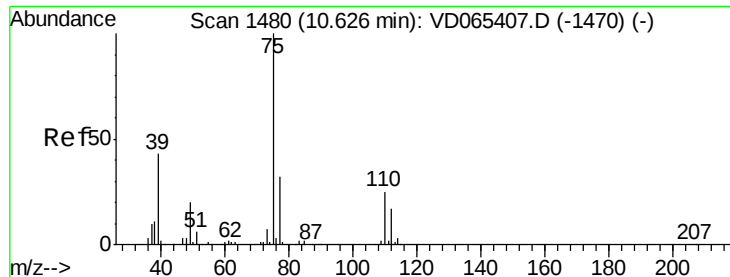
Tot Ion: 43 Resp: 226239
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.8 47.6



#52
 Toluene
 Concen: 21.472 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion: 92 Resp: 257301
 Ion Ratio Lower Upper
 92 100
 91 171.7 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 20.318 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

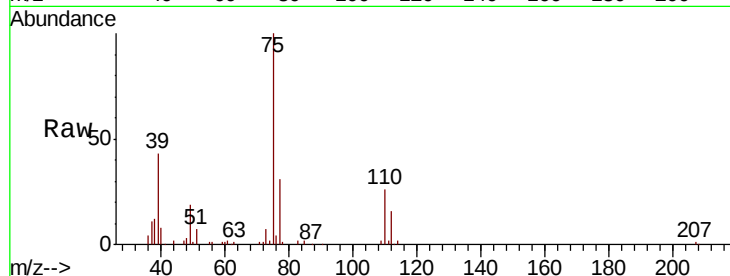
ClientSampleId :

Tot Ion: 75 Resp: 118061

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

80000

60000

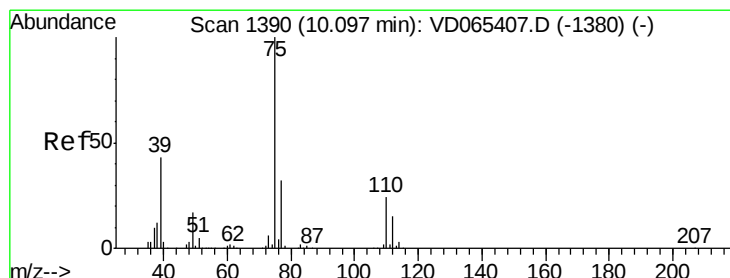
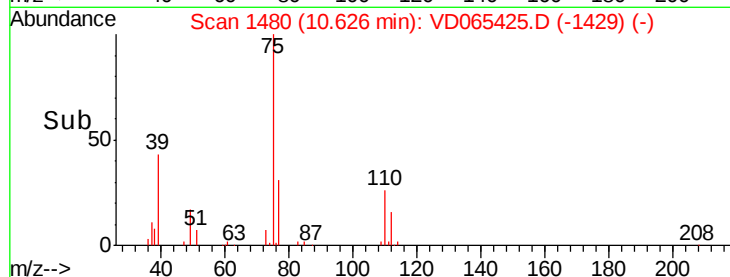
40000

20000

0

10.60 10.70

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.696 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

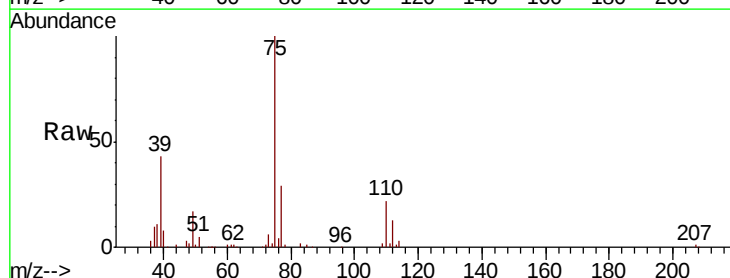
Tgt Ion: 75 Resp: 145564

Ion Ratio Lower Upper

75 100

77 28.7 25.3 37.9

39 43.5 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

10.09

100000

80000

60000

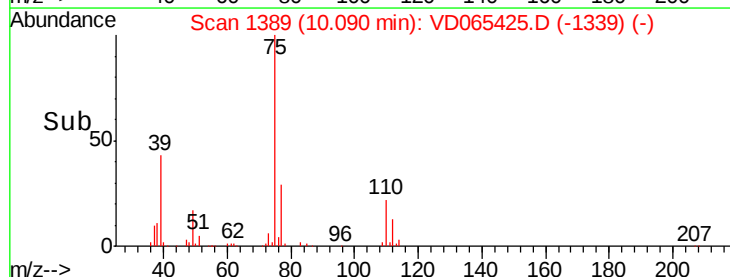
40000

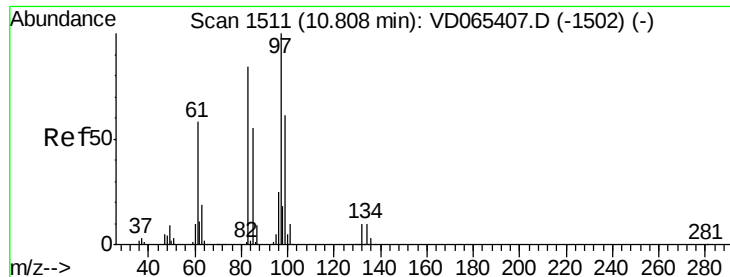
20000

0

10.00 10.05 10.10 10.15

Time-->

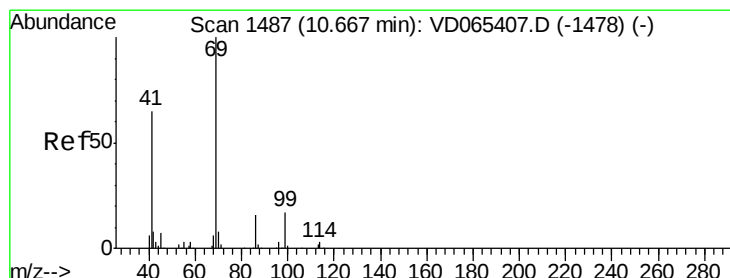
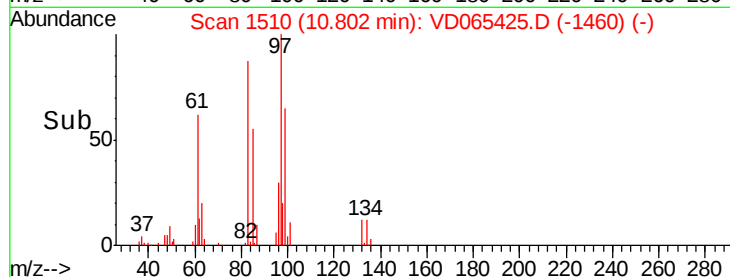
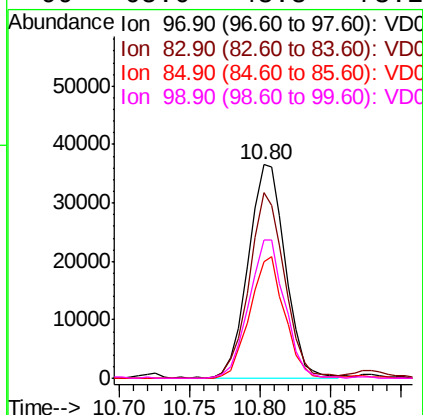
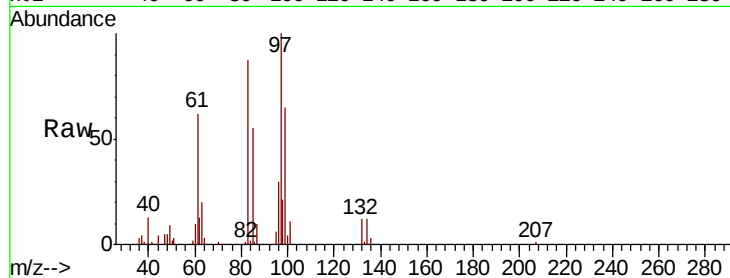




#55
 1,1,2-Trichloroethane
 Concen: 19.942 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

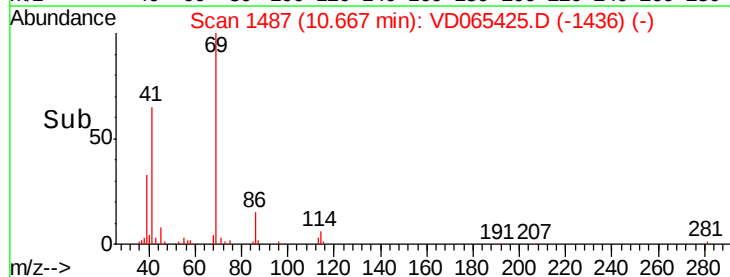
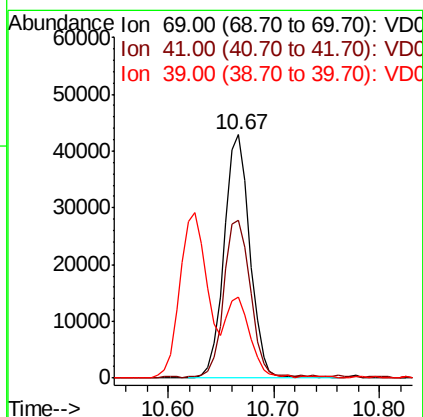
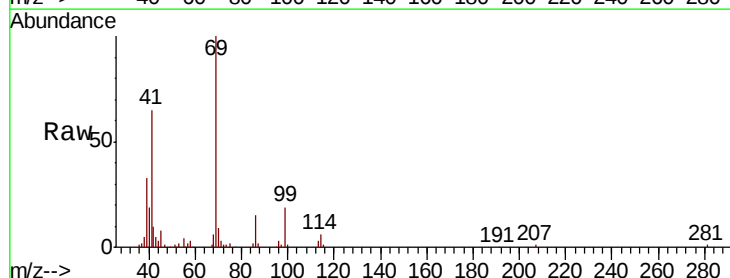
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:	97	Resp:	67508
Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.4	101.0
85	54.5	43.8	65.8
99	65.0	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 18.970 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion:	69	Resp:	72394
Ion	Ratio	Lower	Upper
69	100		
41	68.0	53.0	79.6
39	30.2	26.0	39.0





#57

1,3-Dichloropropane

Concen: 20.126 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

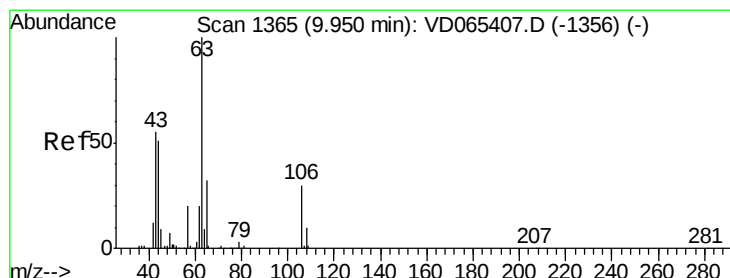
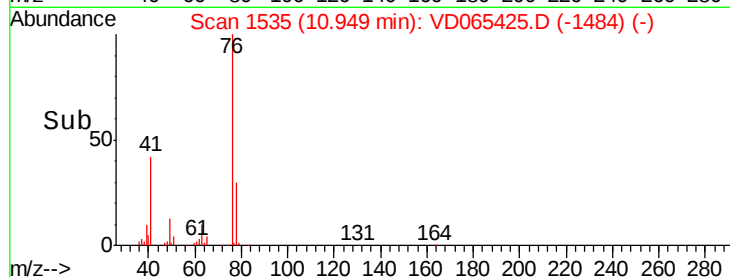
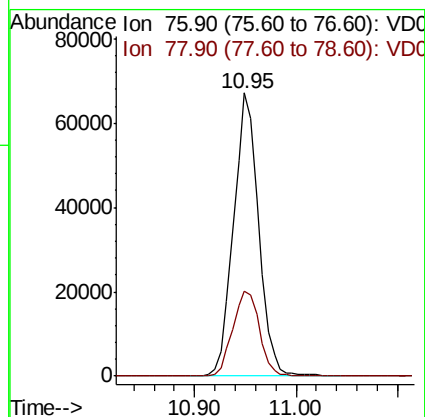
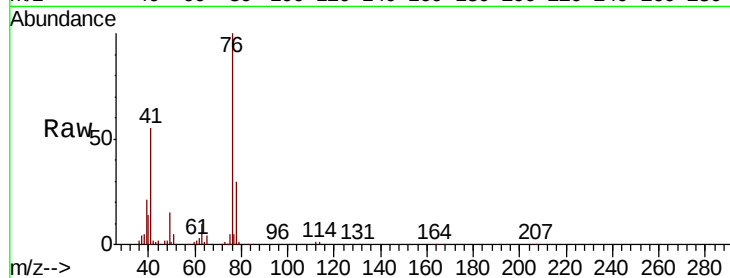
ClientSampleId :

Tot Ion: 76 Resp: 115271

Ion Ratio Lower Upper

76 100

78 31.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 94.697 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065425.D

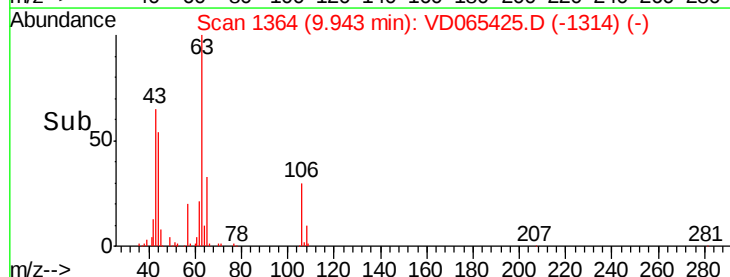
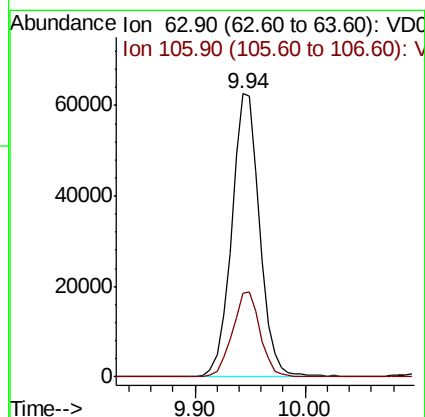
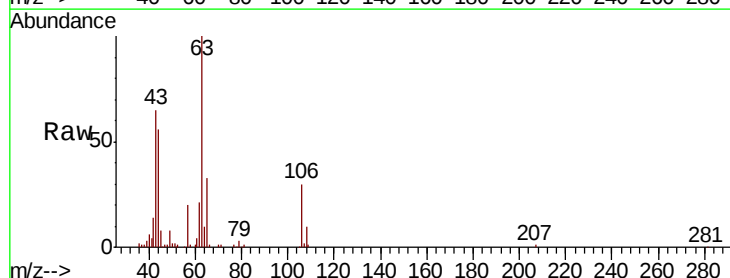
Acq: 05 Mar 2020 12:23

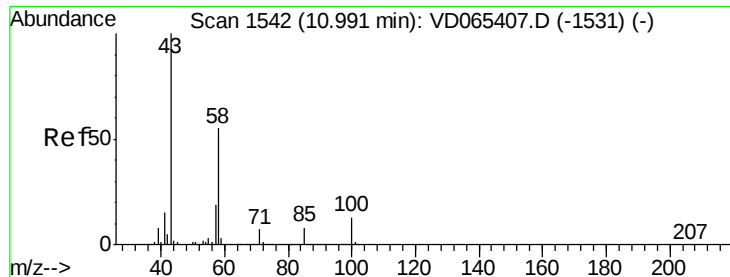
Tgt Ion: 63 Resp: 111318

Ion Ratio Lower Upper

63 100

106 29.5 23.3 34.9

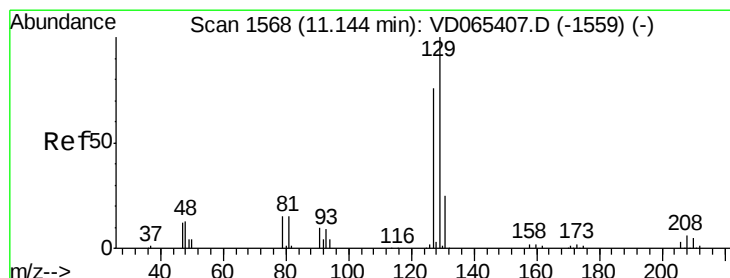
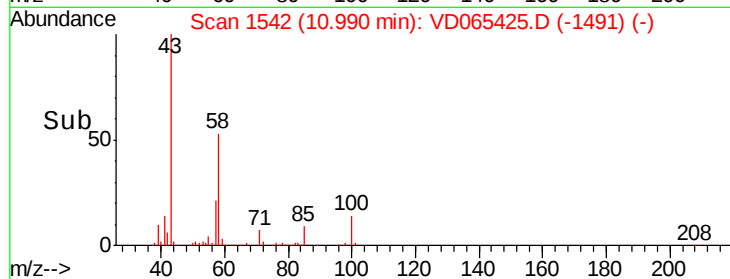
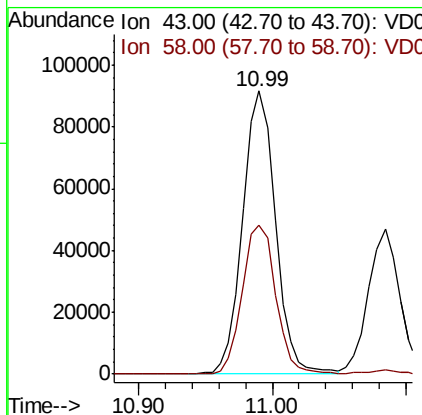
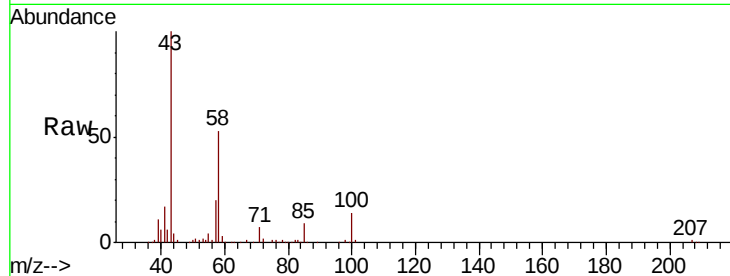




#59
2-Hexanone
Concen: 91.971 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

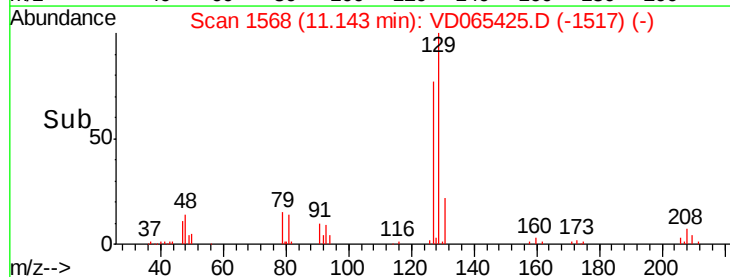
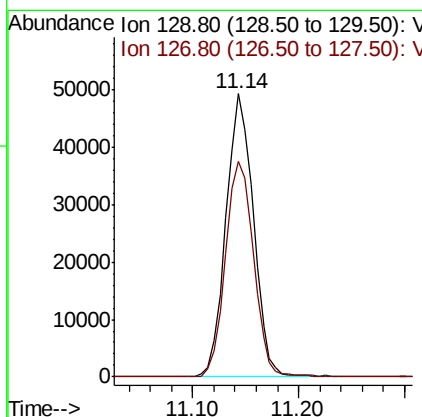
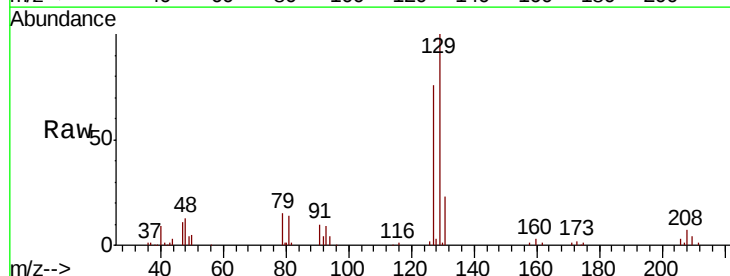
Instrument :
MSVOA_D
ClientSampled :

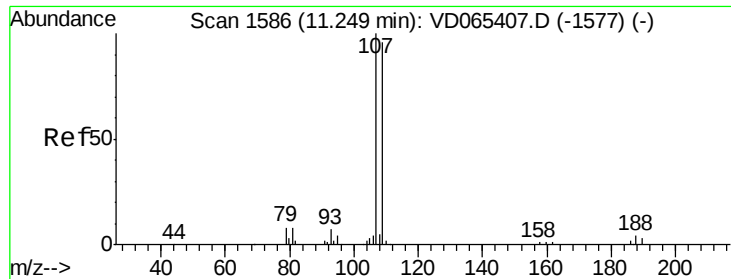
Tot Ion: 43 Resp: 155559
Ion Ratio Lower Upper
43 100
58 53.6 27.4 82.2



#60
Dibromochloromethane
Concen: 20.437 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion: 129 Resp: 88680
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5

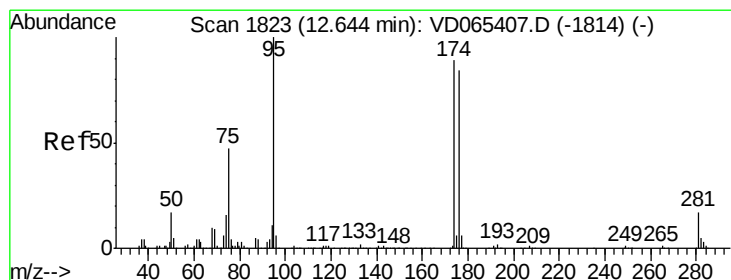
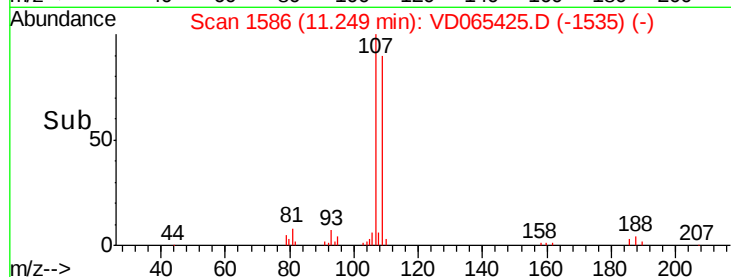
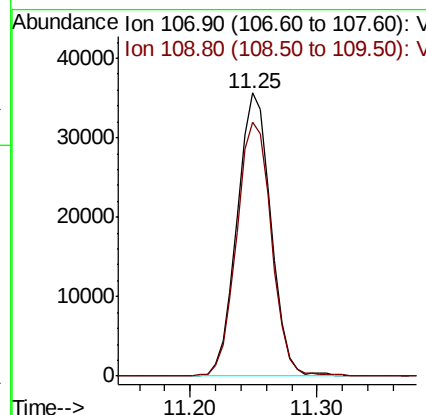
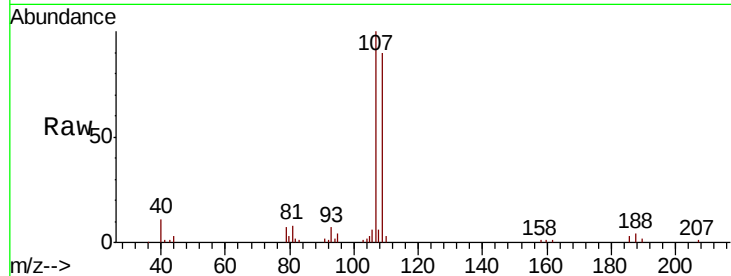




#61
 1,2-Dibromoethane
 Concen: 20.279 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

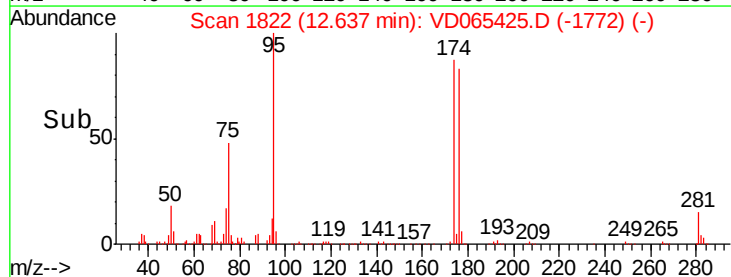
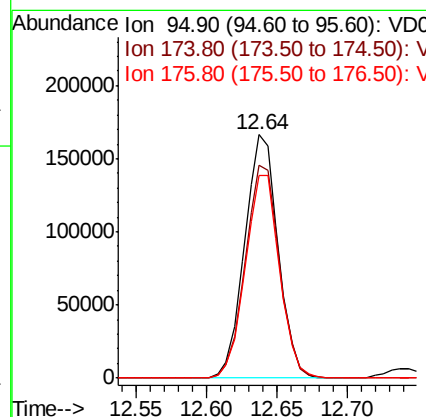
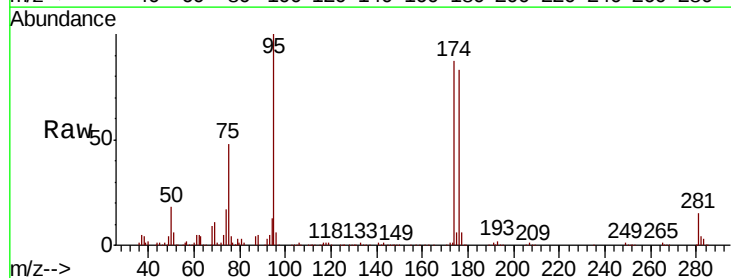
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:107 Resp: 65478
 Ion Ratio Lower Upper
 107 100
 109 92.4 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 53.134 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion: 95 Resp: 276200
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 176.8
 176 85.2 0.0 171.4

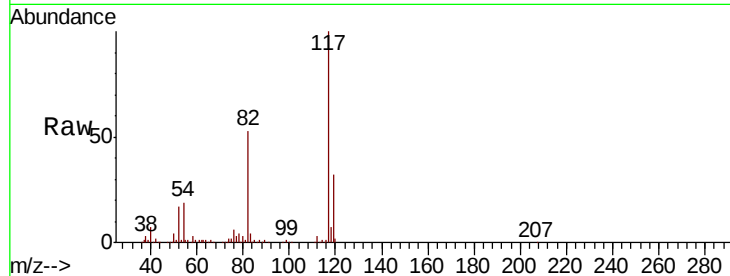




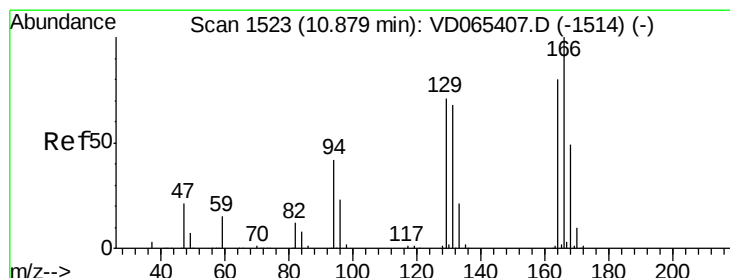
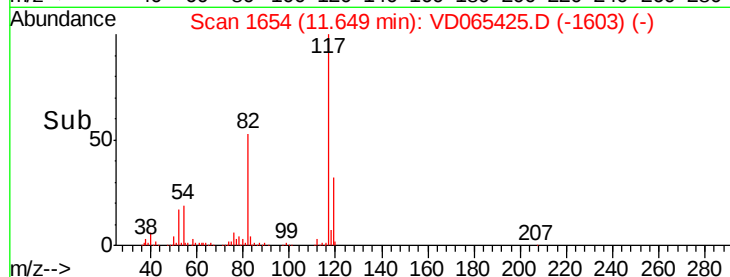
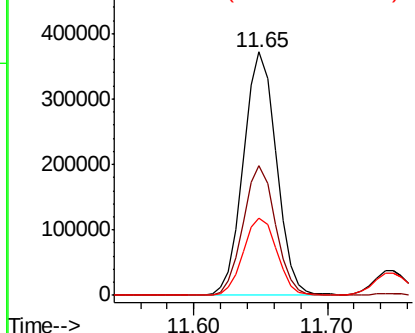
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 633972
Ion Ratio Lower Upper
117 100
82 53.1 40.6 60.8
119 31.7 25.4 38.2

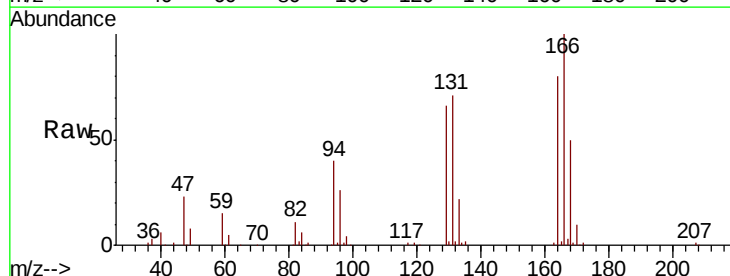


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

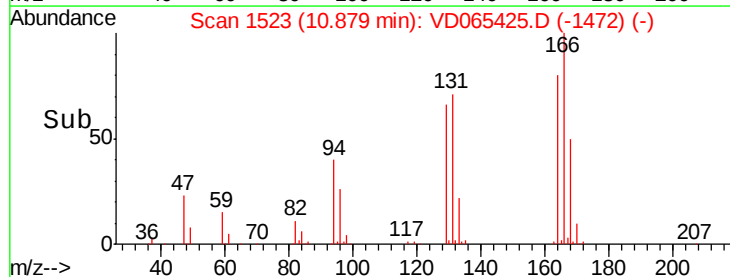
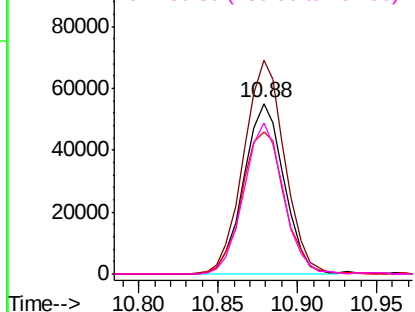


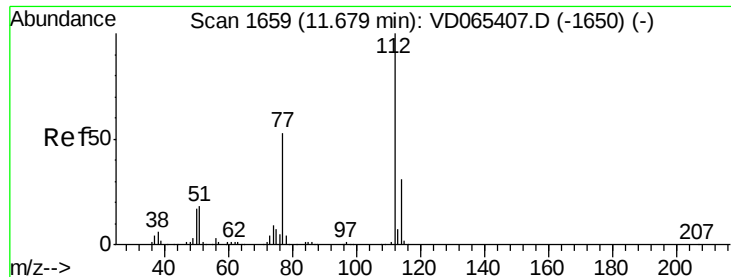
#64
Tetrachloroethene
Concen: 21.384 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion:164 Resp: 97144
Ion Ratio Lower Upper
164 100
166 125.0 100.5 150.7
129 83.1 71.5 107.3
131 88.3 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

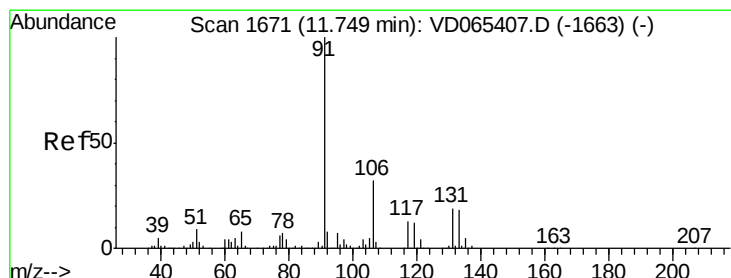
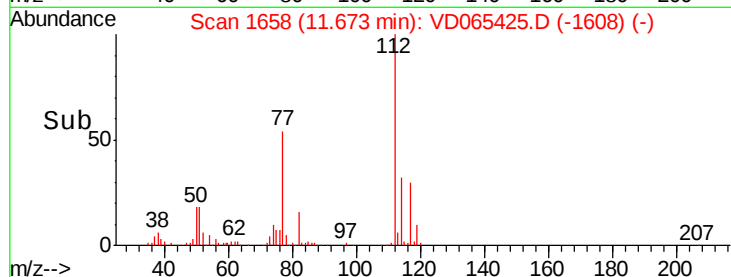
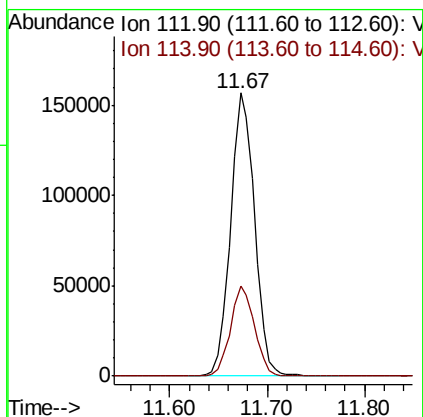
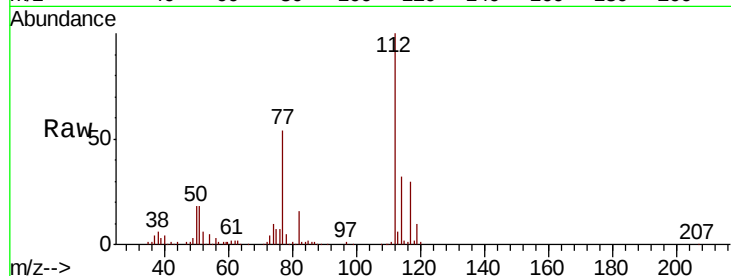




#65
Chlorobenzene
Concen: 21.255 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

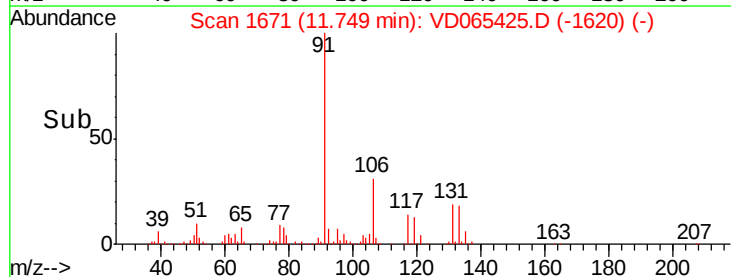
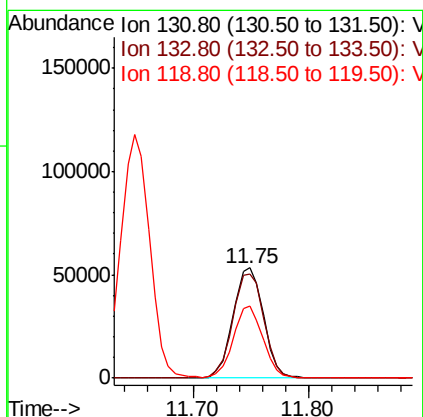
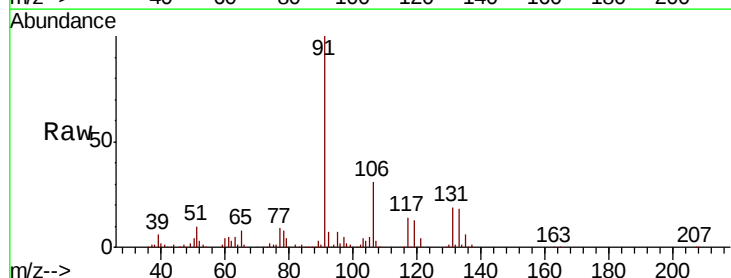
Instrument :
MSVOA_D
ClientSampleId :

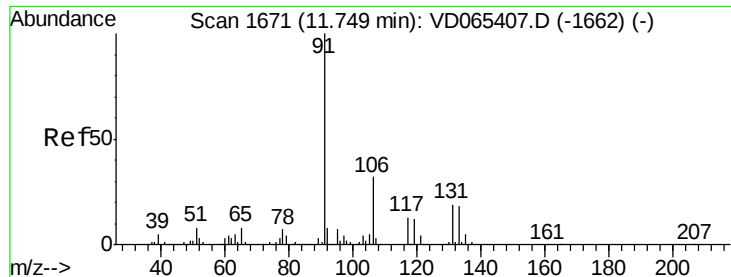
Tot Ion:112 Resp: 266656
Ion Ratio Lower Upper
112 100
114 31.8 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.286 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion:131 Resp: 97257
Ion Ratio Lower Upper
131 100
133 97.6 49.2 147.6
119 63.7 33.3 99.8





#67

Ethyl Benzene

Concen: 21.296 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

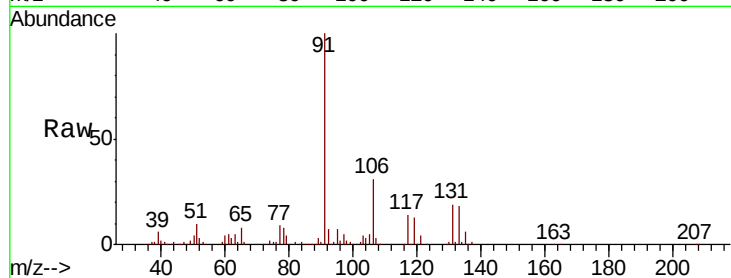
ClientSampleId :

Tot Ion: 91 Resp: 461651

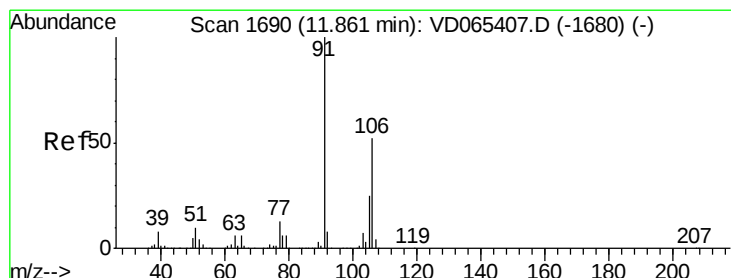
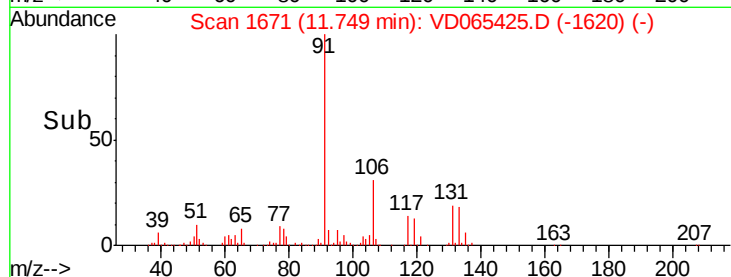
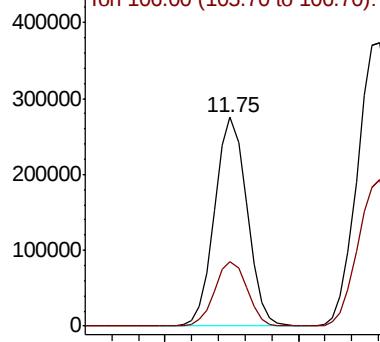
Ion Ratio Lower Upper

91 100

106 30.9 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 43.834 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065425.D

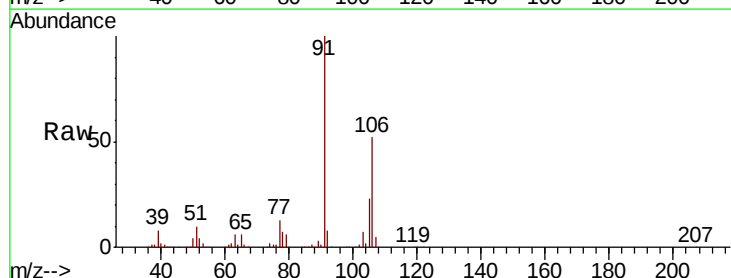
Acq: 05 Mar 2020 12:23

Tgt Ion: 106 Resp: 366386

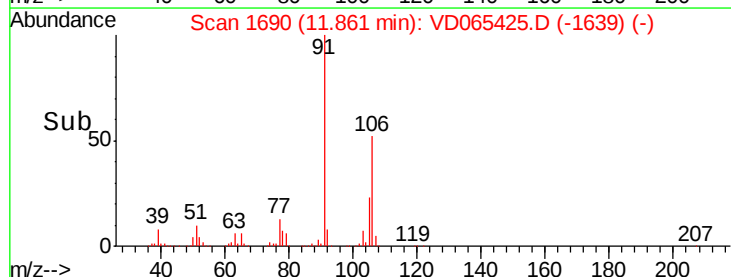
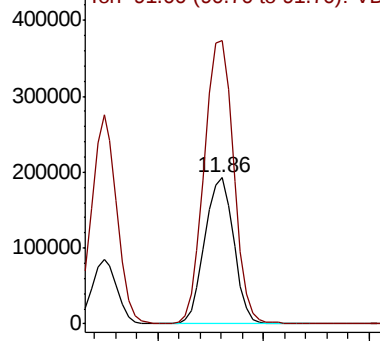
Ion Ratio Lower Upper

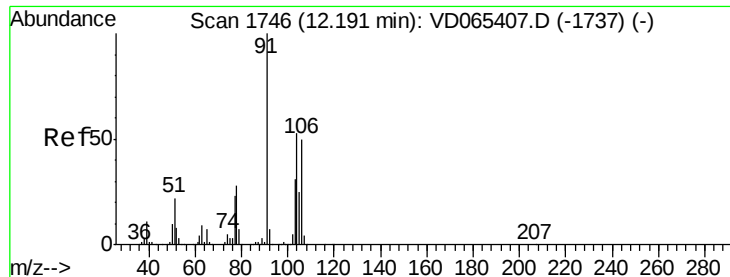
106 100

91 197.6 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

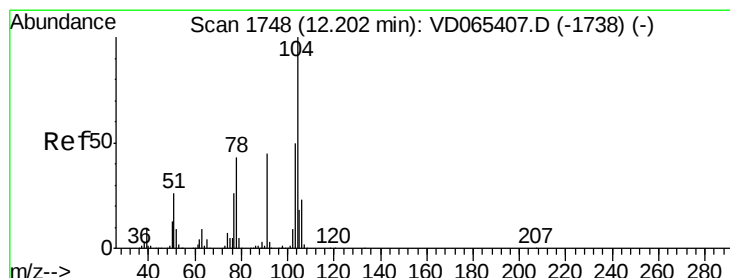
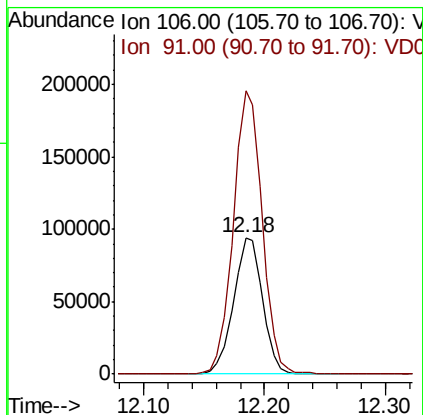
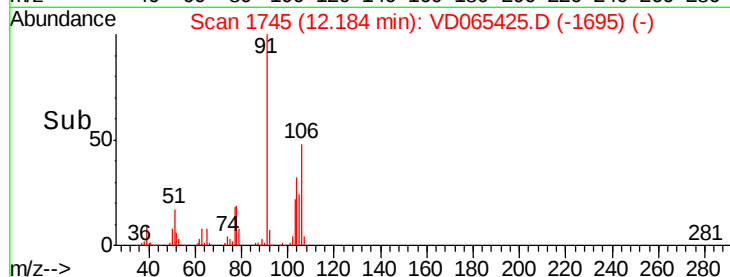
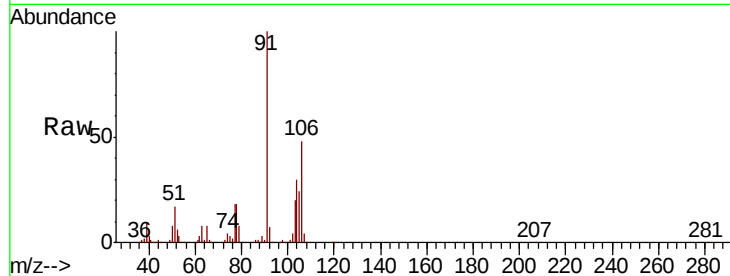




#69
o-Xylene
Concen: 21.444 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

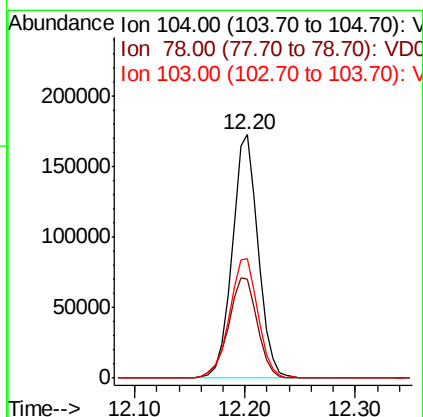
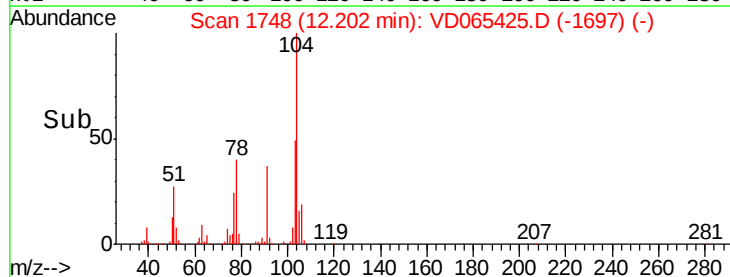
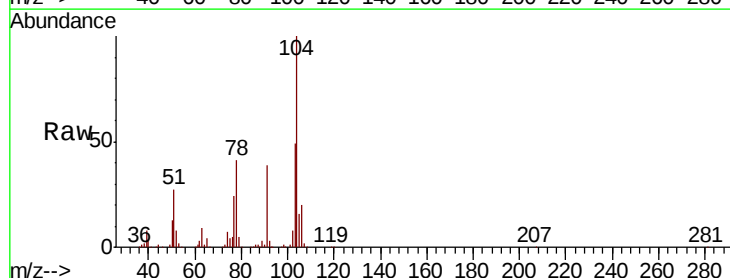
Instrument :
MSVOA_D
ClientSampleId :

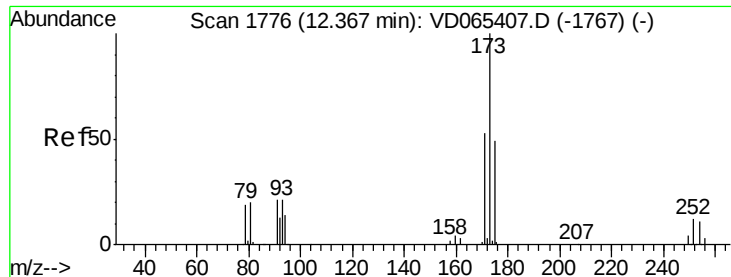
Tot Ion:106 Resp: 157665
Ion Ratio Lower Upper
106 100
91 206.7 103.5 310.3



#70
Styrene
Concen: 21.958 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion:104 Resp: 284141
Ion Ratio Lower Upper
104 100
78 45.9 37.7 56.5
103 54.0 43.6 65.4





#71

Bromoform

Concen: 19.917 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

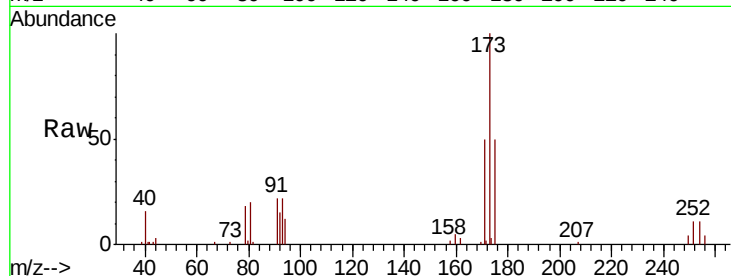
Tot Ion:173 Resp: 51118

Ion Ratio Lower Upper

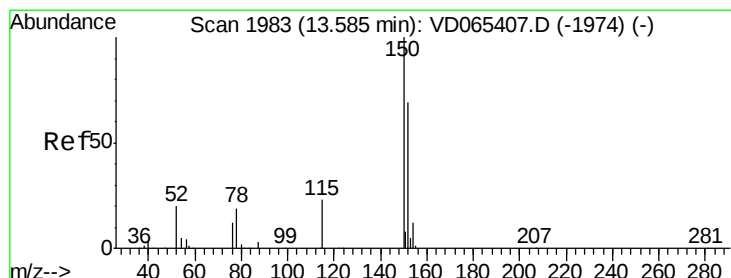
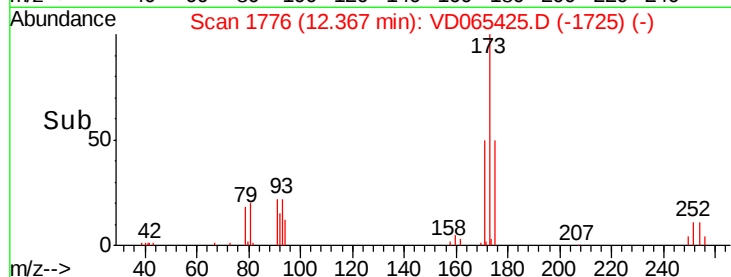
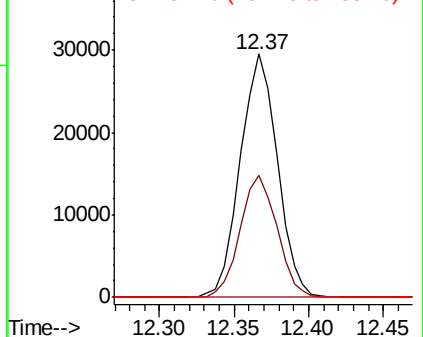
173 100

175 49.6 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: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

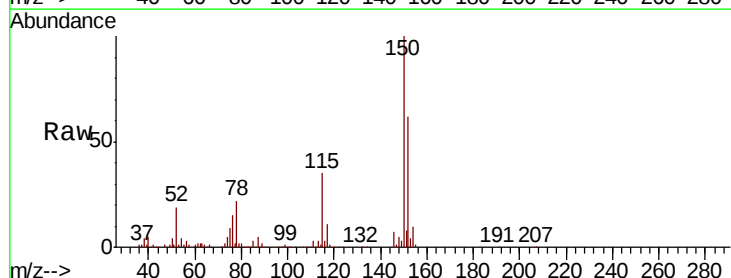
Tgt Ion:152 Resp: 314050

Ion Ratio Lower Upper

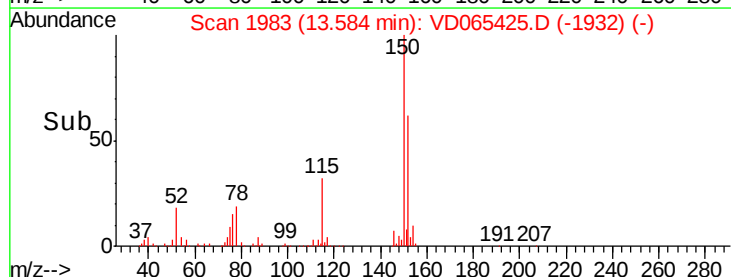
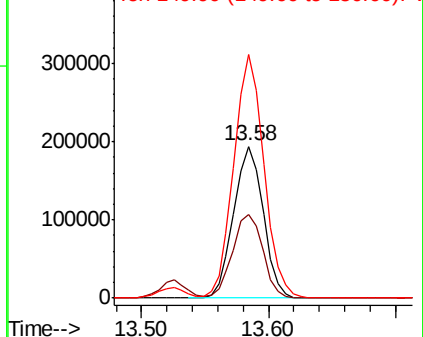
152 100

115 56.2 27.6 82.8

150 162.8 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.188 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

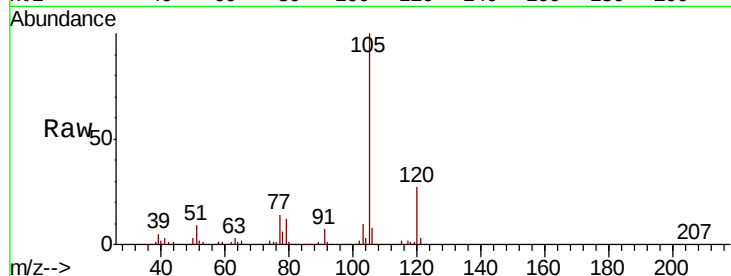
ClientSampleId :

Tot Ion:105 Resp: 437671

Ion Ratio Lower Upper

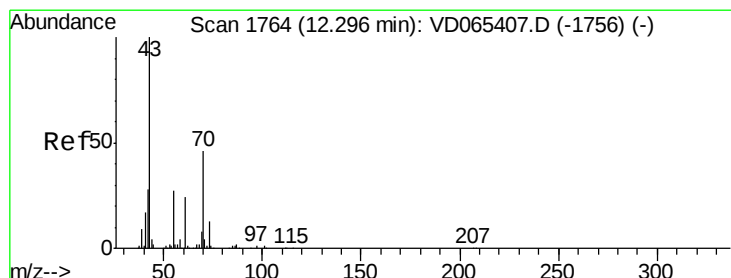
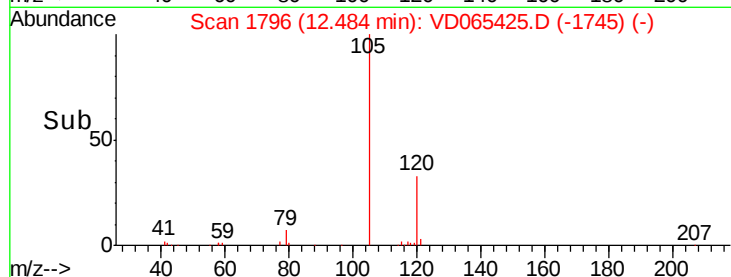
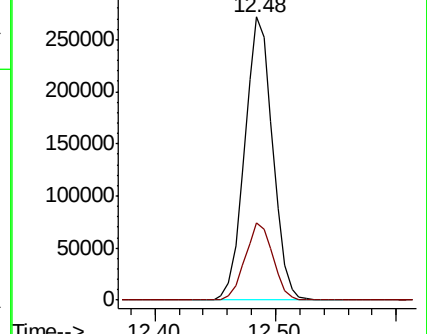
105 100

120 27.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.969 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Tgt Ion: 43 Resp: 80219

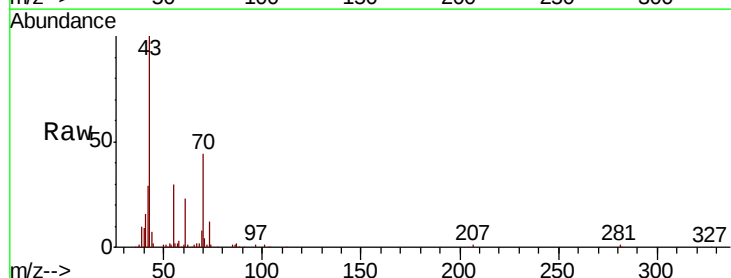
Ion Ratio Lower Upper

43 100

70 42.9 36.1 54.1

55 29.0 21.6 32.4

61 24.0 19.6 29.4

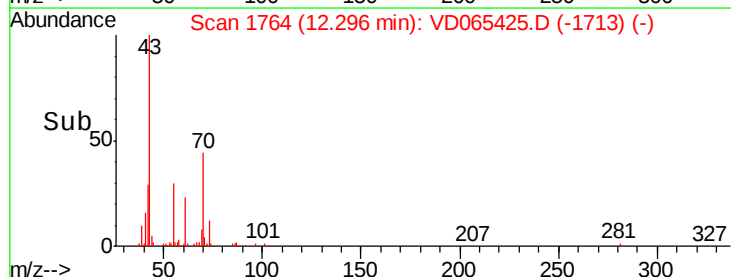
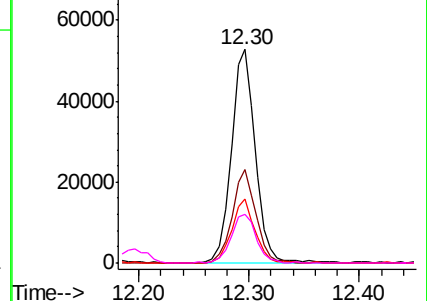


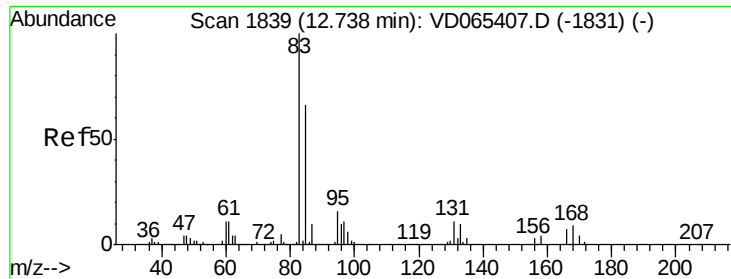
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 19.674 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampled :

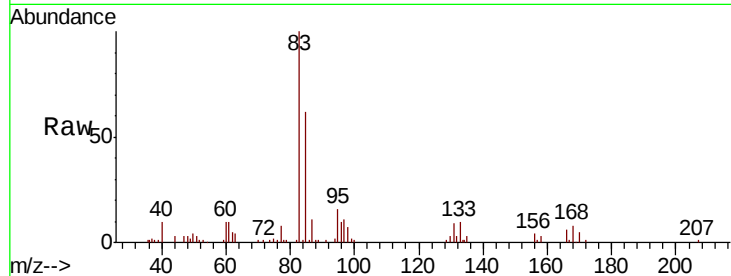
Tot Ion: 83 Resp: 71436

Ion Ratio Lower Upper

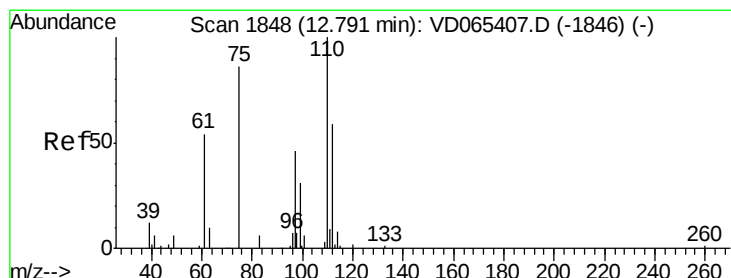
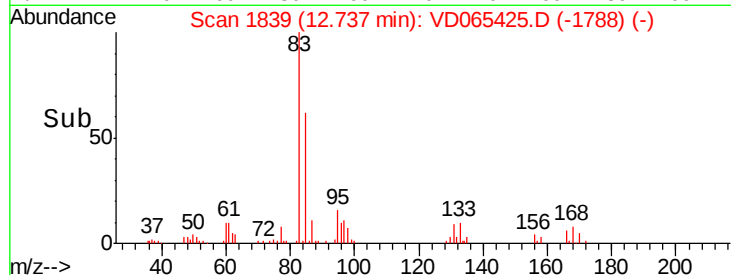
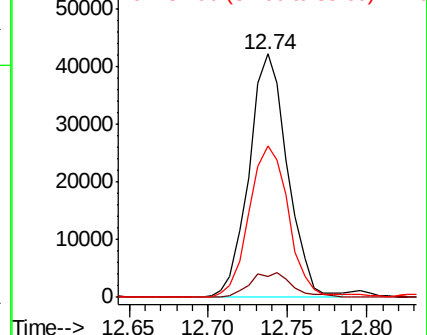
83 100

131 11.0 5.4 16.2

85 63.7 33.0 98.9



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



#76

1,2,3-Trichloropropane

Concen: 36.819 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065425.D

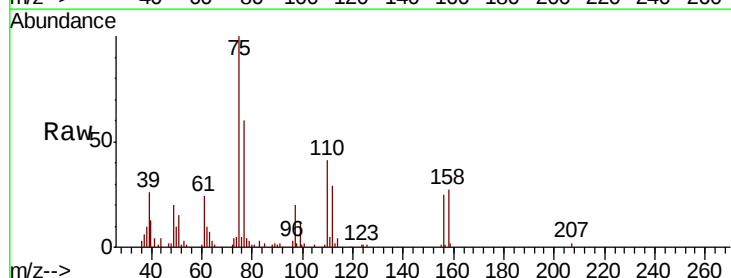
Acq: 05 Mar 2020 12:23

Tgt Ion: 75 Resp: 91242

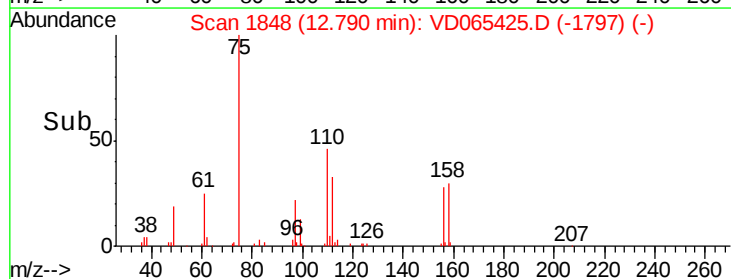
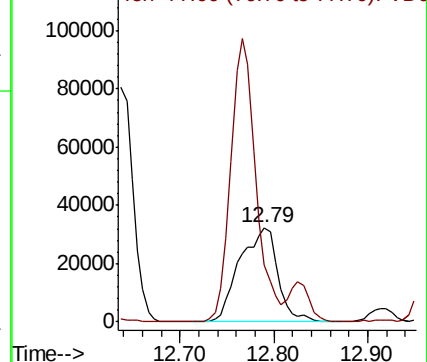
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.383 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

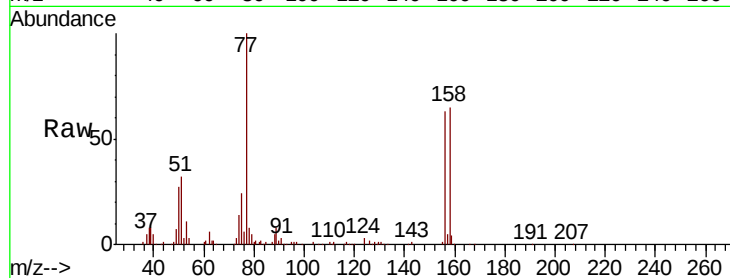
Tot Ion:156 Resp: 104610

Ion Ratio Lower Upper

156 100

77 173.2 84.9 254.6

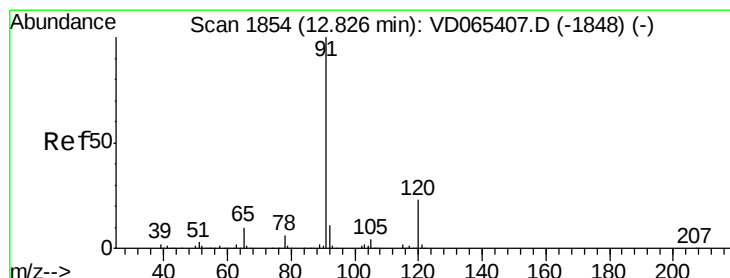
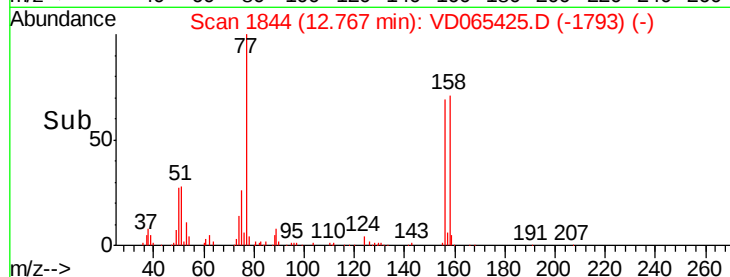
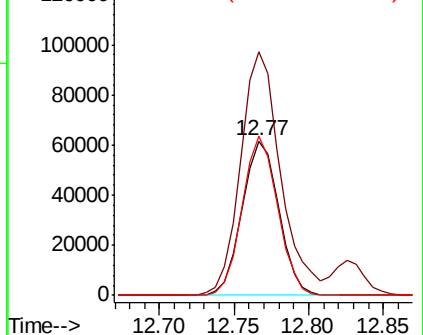
158 100.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.646 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065425.D

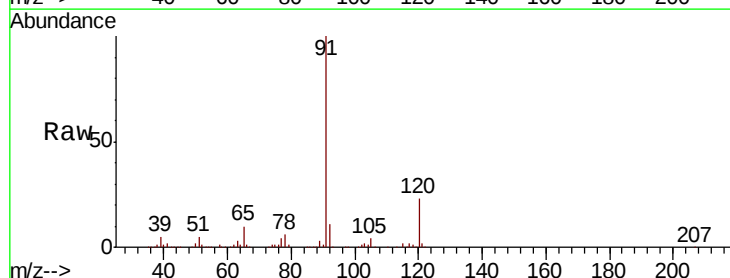
Acq: 05 Mar 2020 12:23

Tgt Ion: 91 Resp: 530524

Ion Ratio Lower Upper

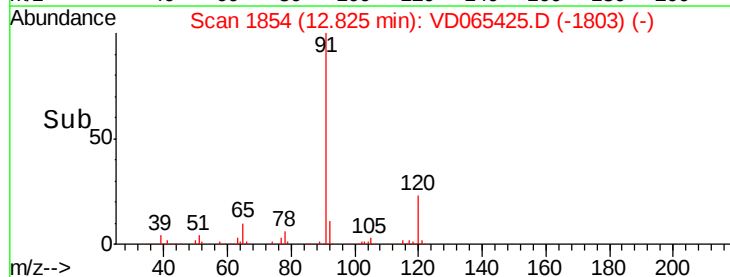
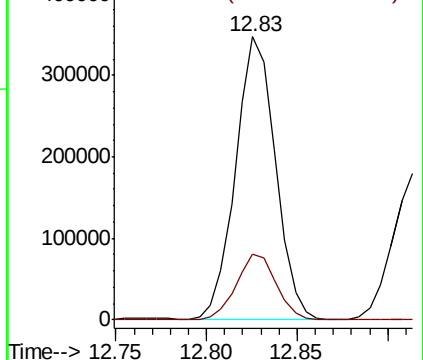
91 100

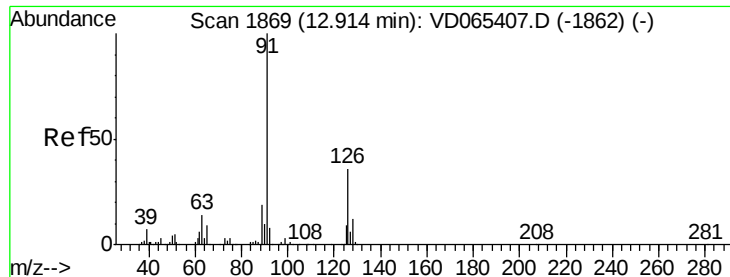
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

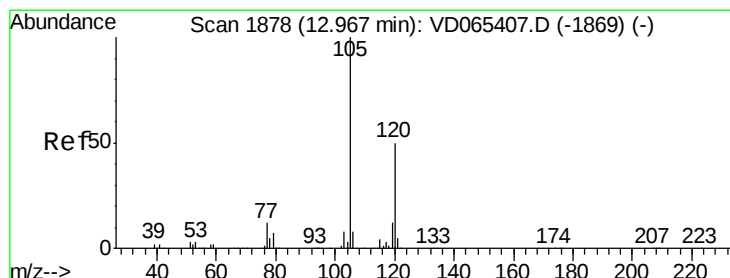
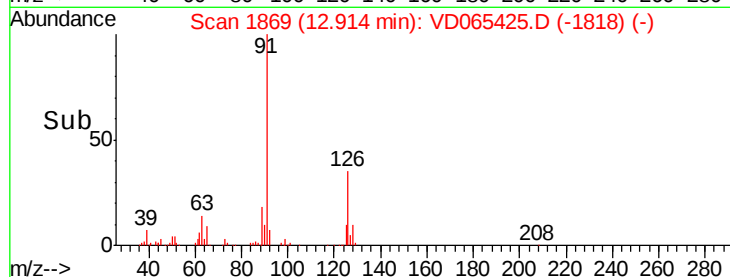
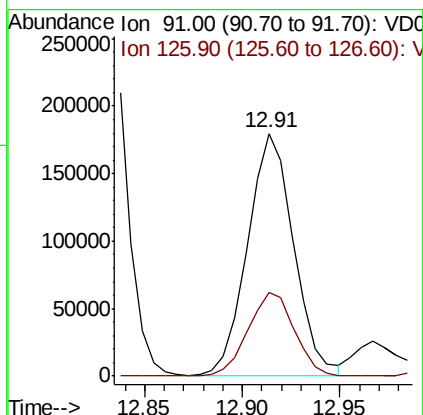
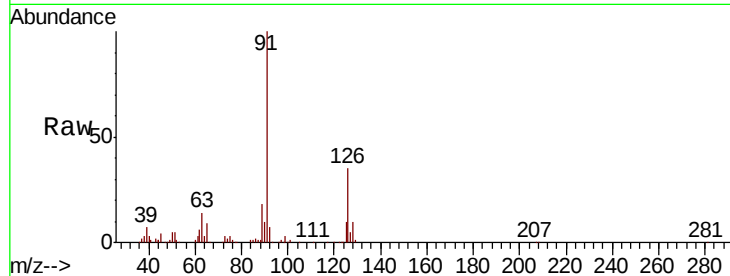




#79
 2-Chlorotoluene
 Concen: 21.215 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

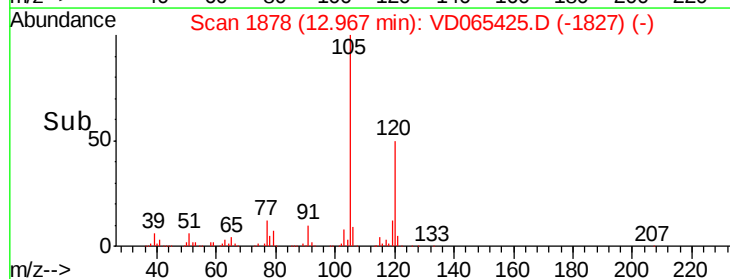
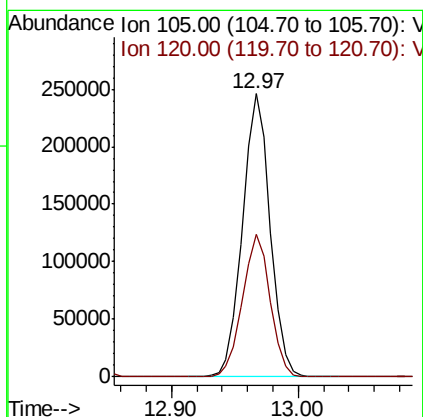
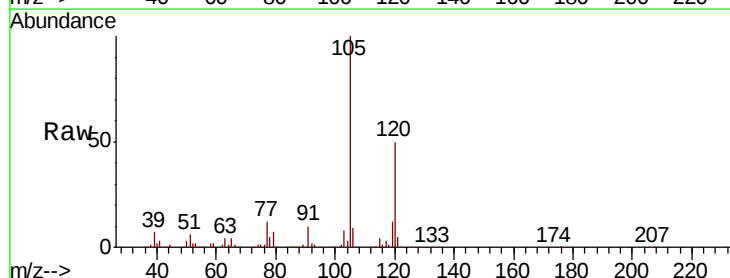
Instrument :
 MSVOA_D
 ClientSampleID :

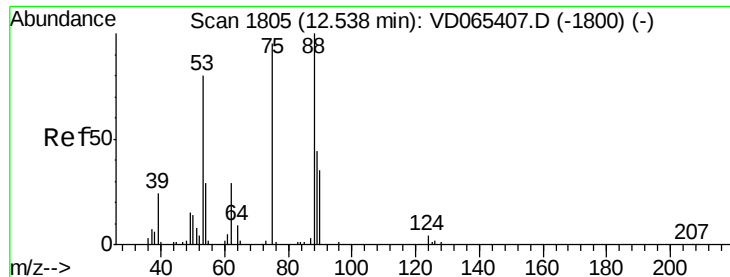
Tot Ion: 91 Resp: 293047
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.843 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion: 105 Resp: 370946
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.844 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

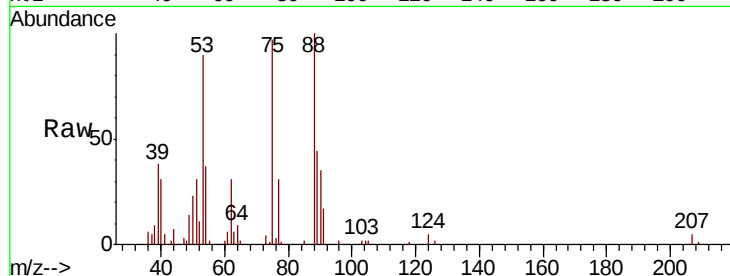
Tot Ion: 75 Resp: 22128

Ion Ratio Lower Upper

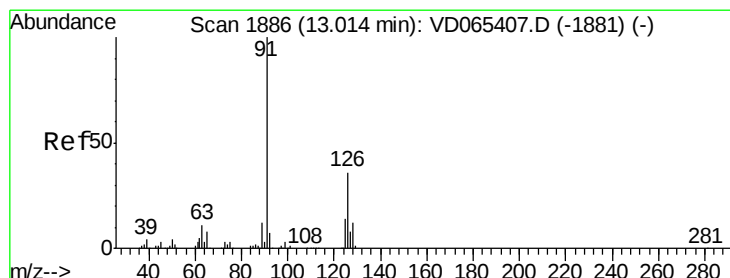
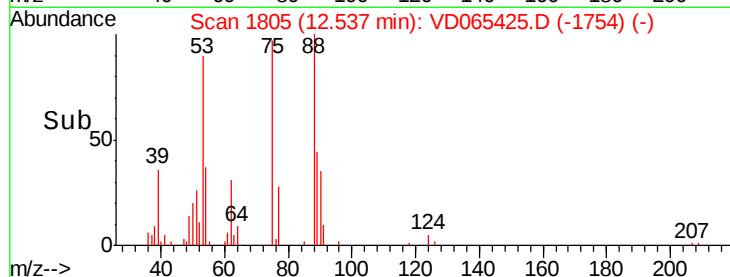
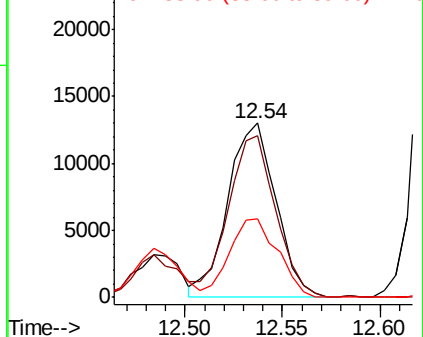
75 100

53 92.5 71.3 106.9

89 45.5 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: 21.537 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065425.D

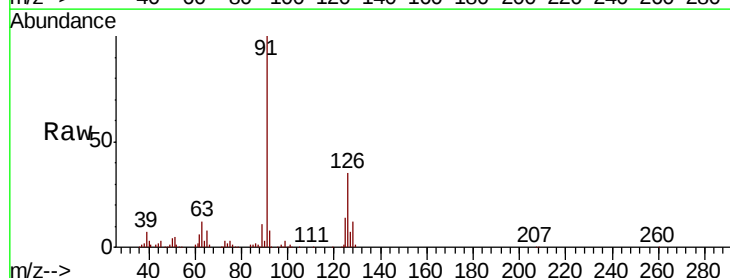
Acq: 05 Mar 2020 12:23

Tgt Ion: 91 Resp: 312609

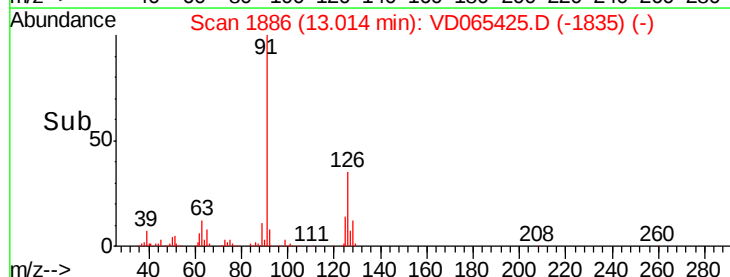
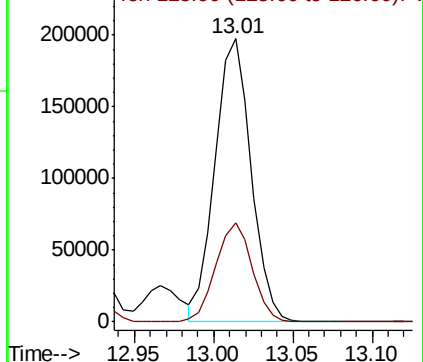
Ion Ratio Lower Upper

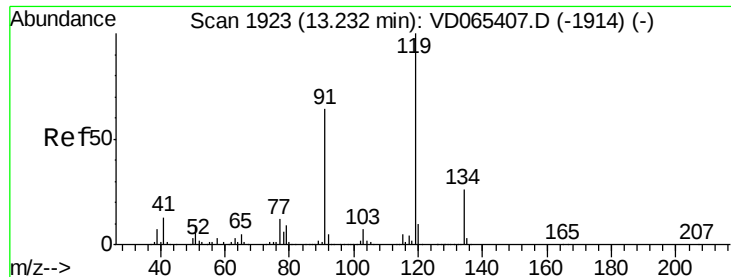
91 100

126 35.2 17.6 52.8



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

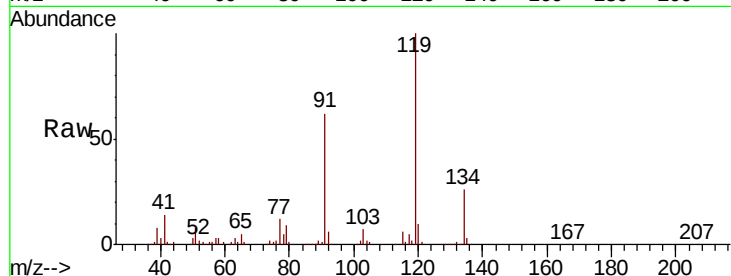




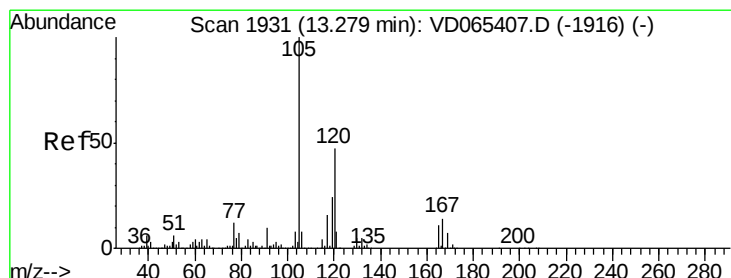
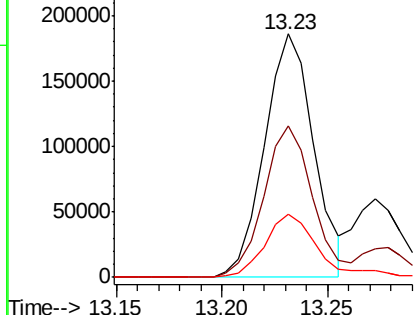
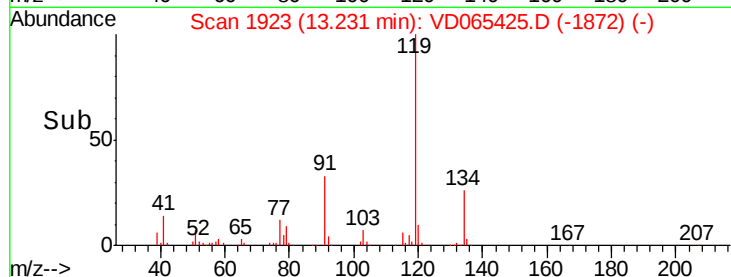
#83
 tert-Butylbenzene
 Concen: 20.986 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 301510
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.6 95.0
 134 28.0 14.2 42.8

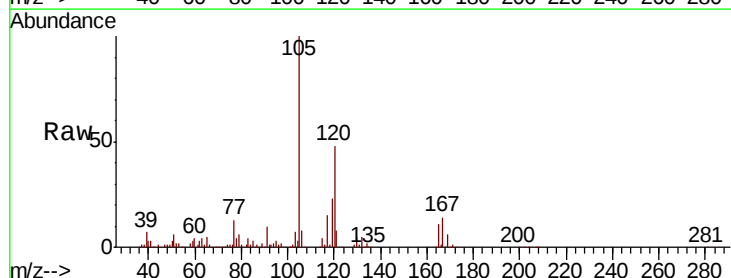


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

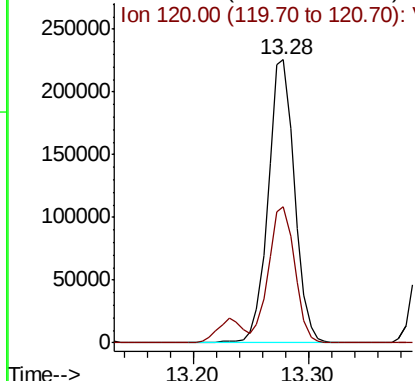
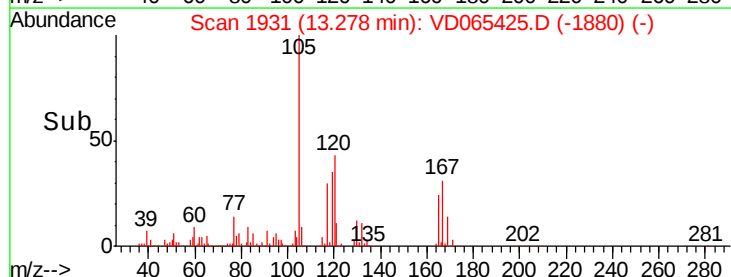


#84
 1,2,4-Trimethylbenzene
 Concen: 21.508 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion:105 Resp: 360031
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 21.383 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

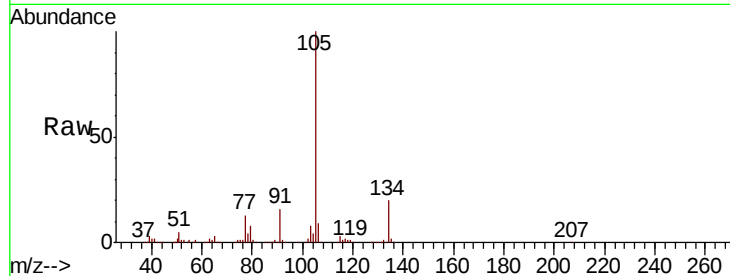
ClientSampled :

Tot Ion:105 Resp: 438504

Ion Ratio Lower Upper

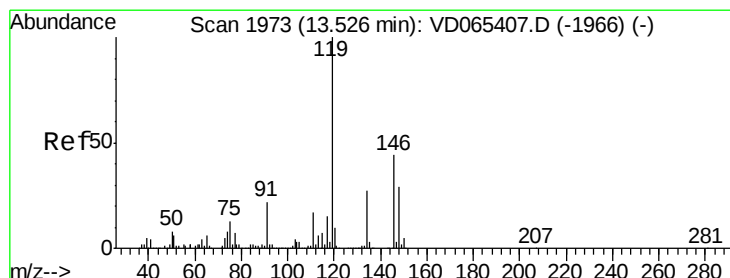
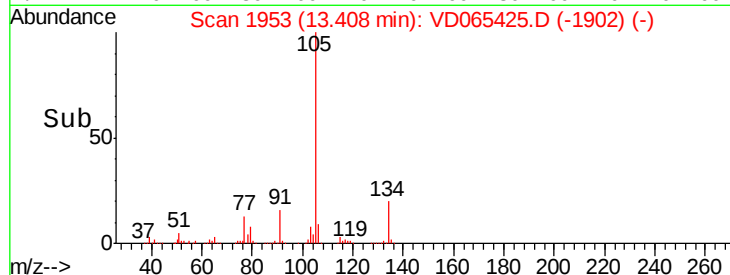
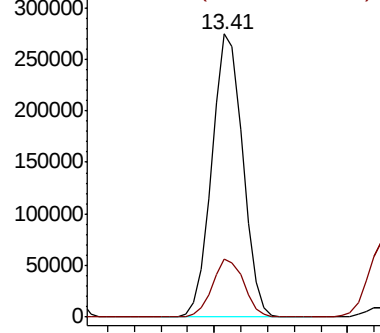
105 100

134 20.8 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.590 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

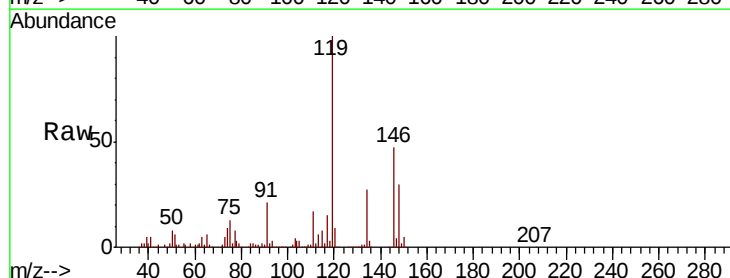
Tgt Ion:119 Resp: 404021

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

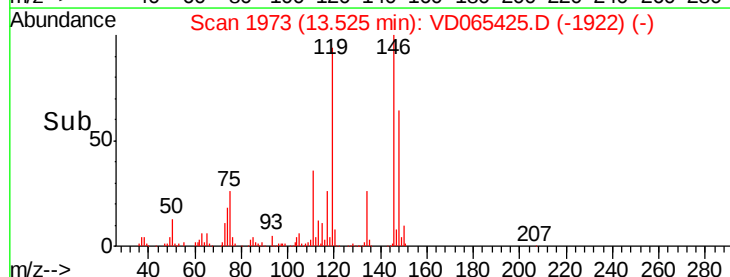
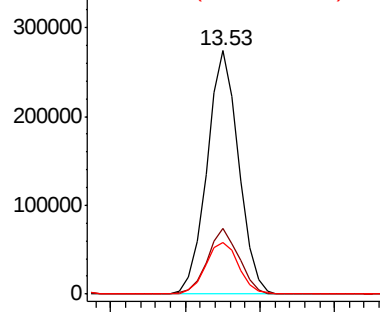
91 22.1 10.9 32.6

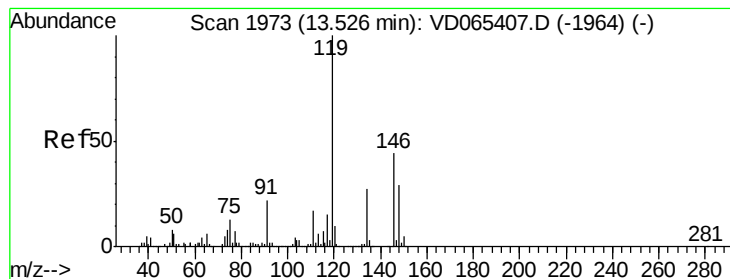


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.906 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

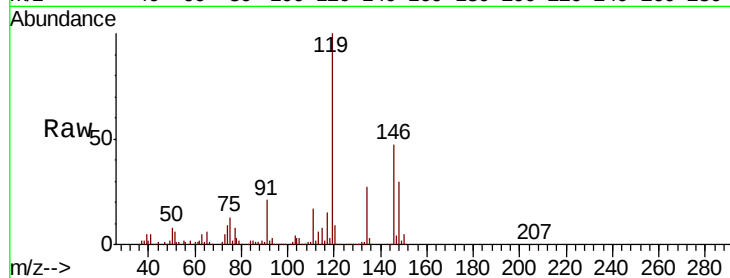
Tot Ion:146 Resp: 206279

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.1

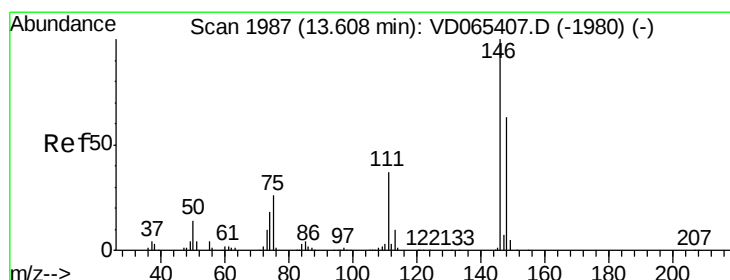
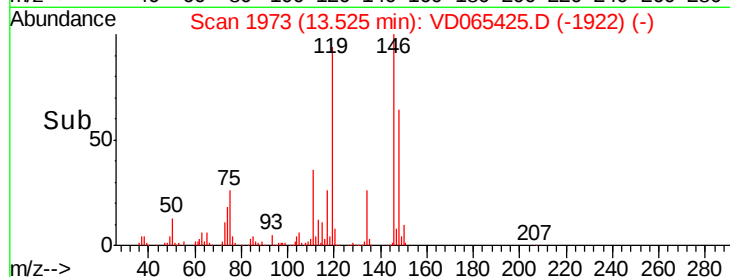
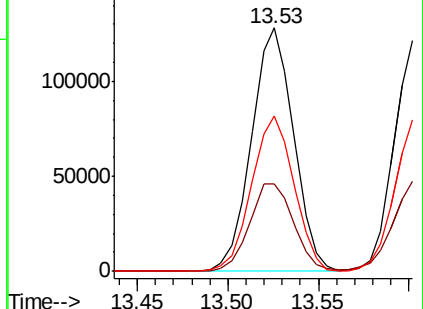
148 64.5 32.3 96.8



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



#88

1,4-Dichlorobenzene

Concen: 21.041 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.01 min

Lab File: VD065425.D

Acq: 05 Mar 2020 12:23

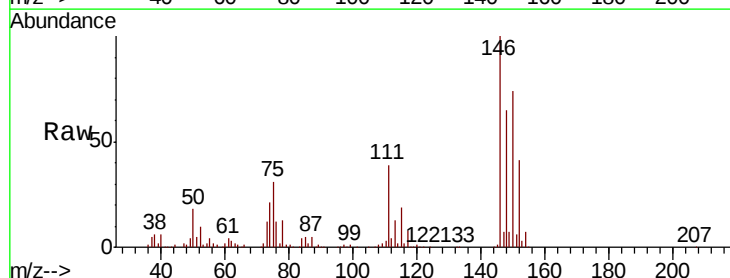
Tgt Ion:146 Resp: 206520

Ion Ratio Lower Upper

146 100

111 39.3 18.5 55.5

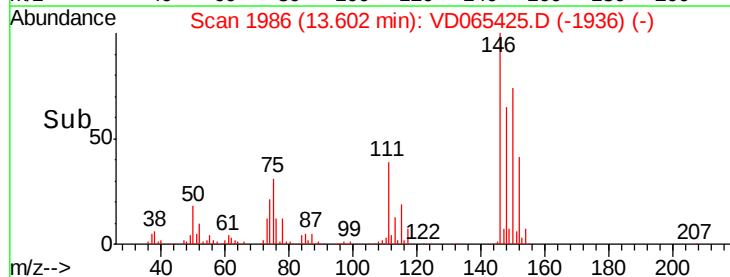
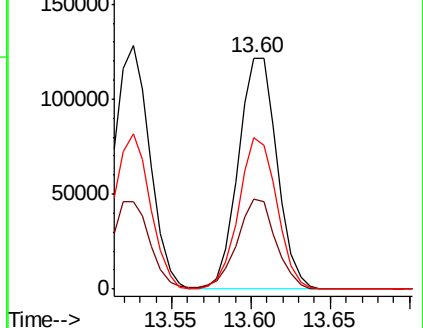
148 64.6 32.0 96.0

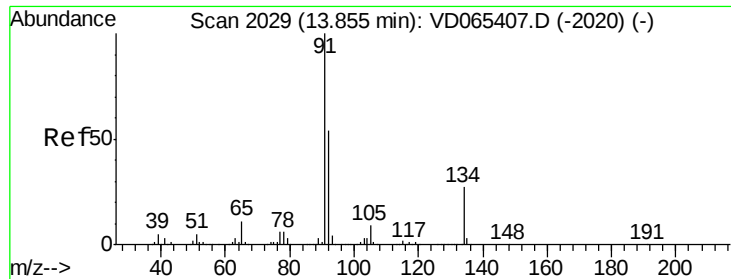


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

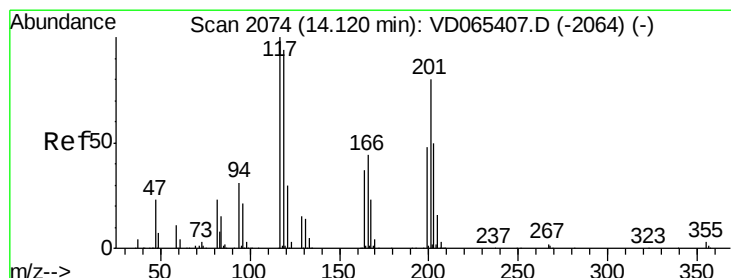
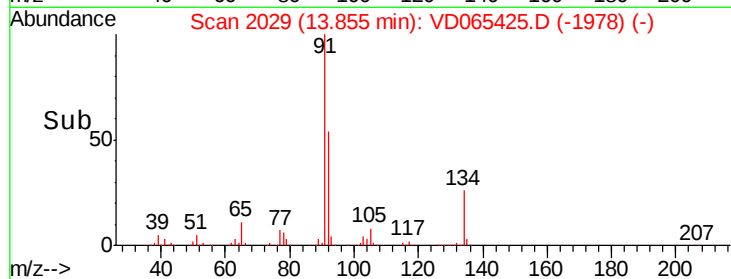
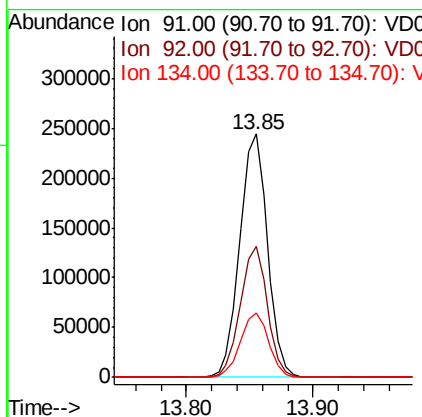
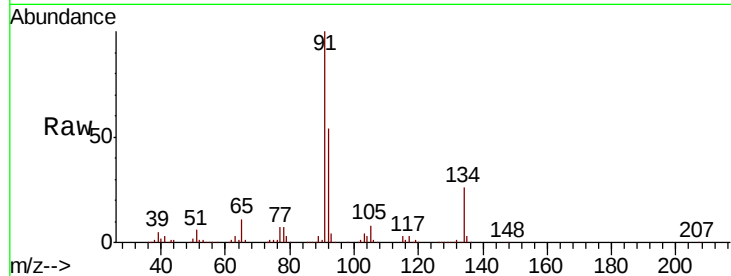




#89
n-Butylbenzene
Concen: 21.370 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

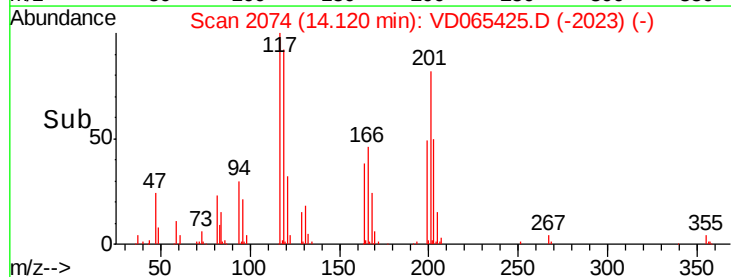
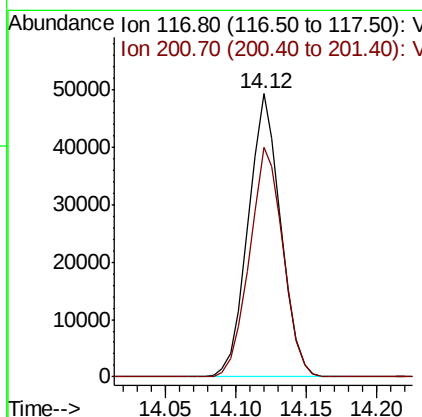
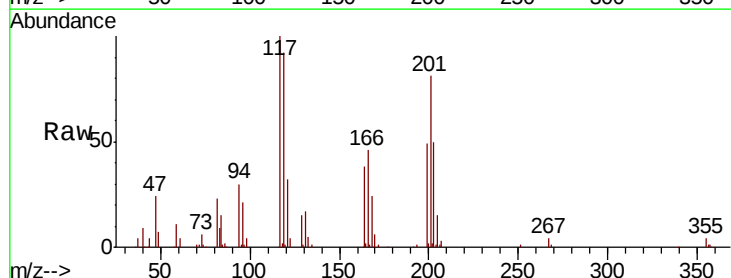
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 369710
Ion Ratio Lower Upper
91 100
92 52.8 26.8 80.4
134 26.9 13.4 40.2



#90
Hexachloroethane
Concen: 20.669 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion: 117 Resp: 79651
Ion Ratio Lower Upper
117 100
201 83.4 41.9 125.6

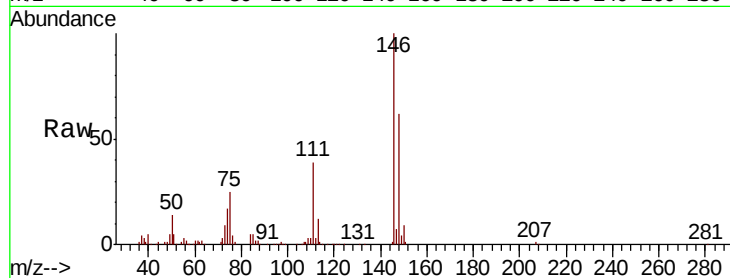




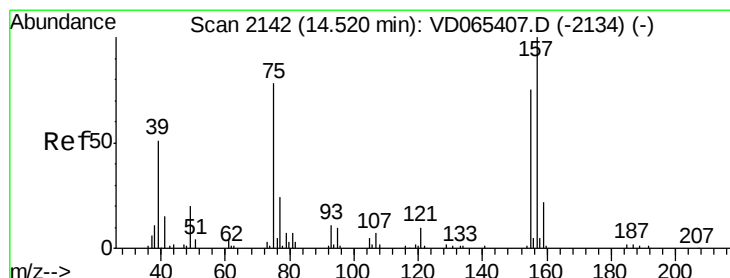
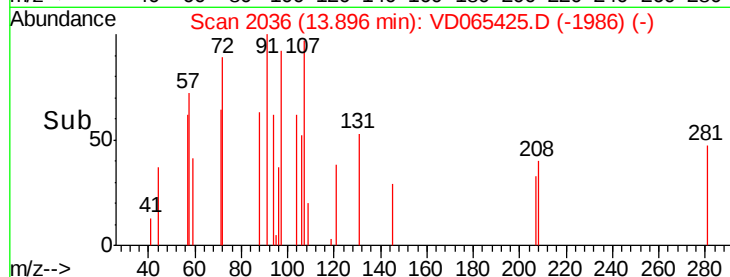
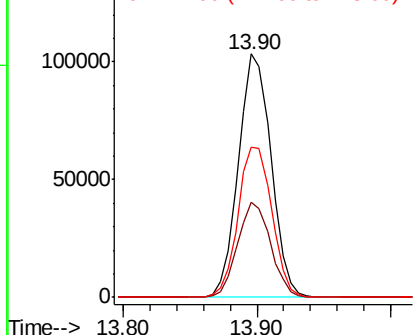
#91
 1,2-Dichlorobenzene
 Concen: 20.884 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	63.8	32.6	97.8

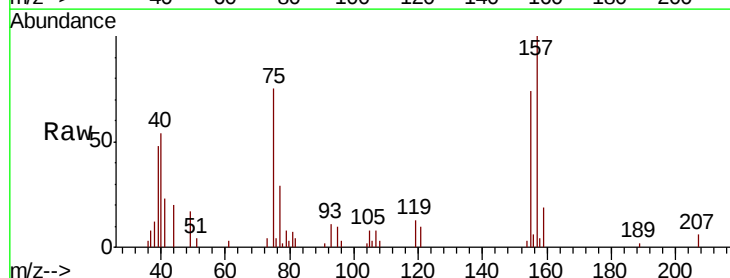


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

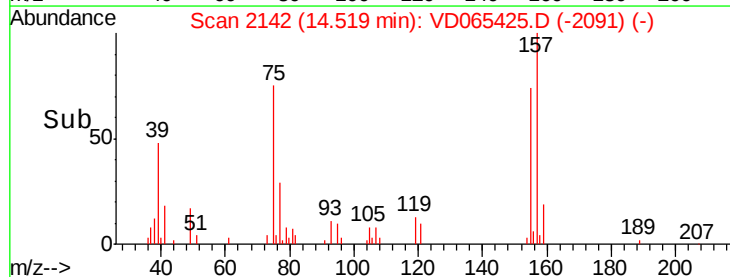
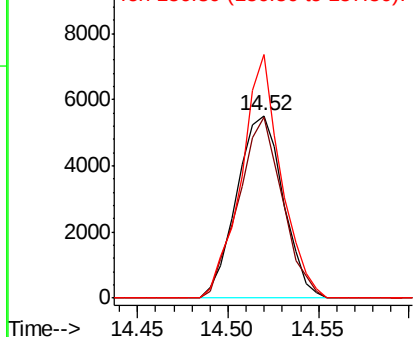


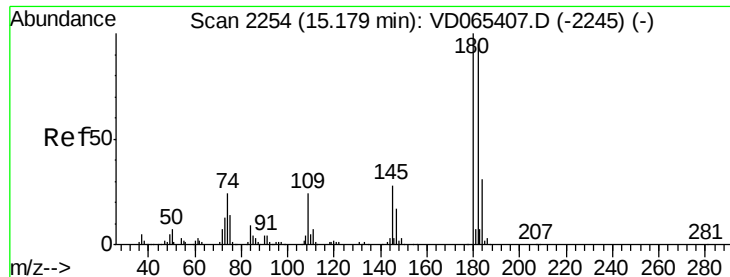
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.766 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	46.4	139.1
157	113.6	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

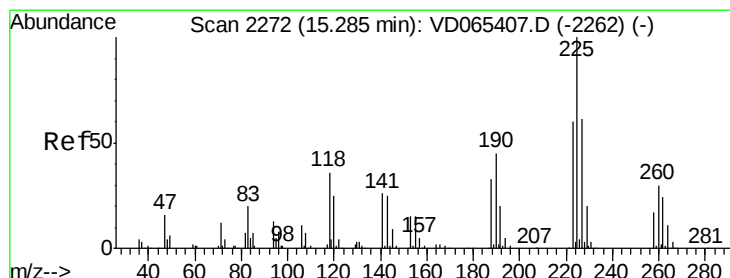
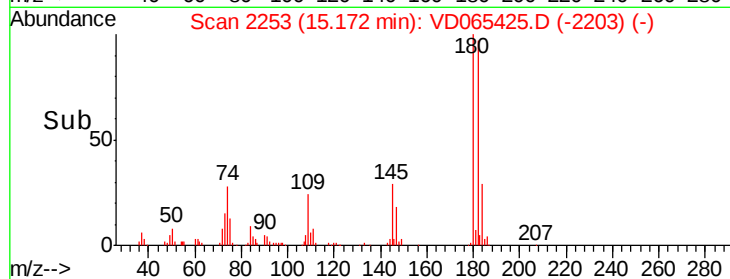
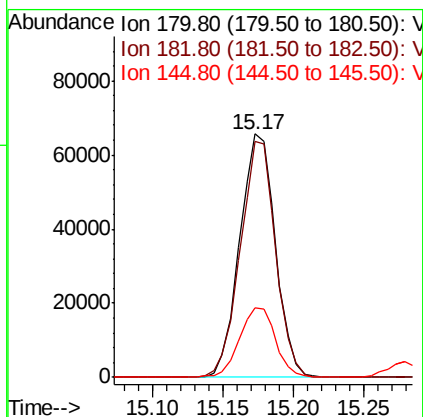
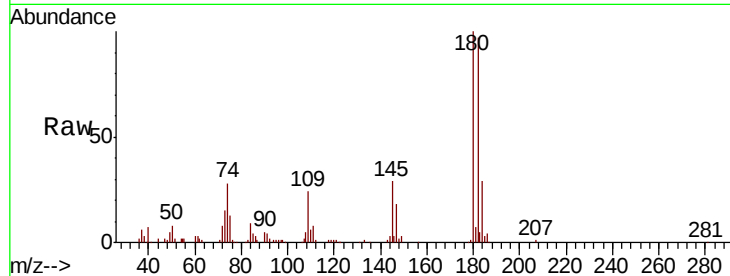




#93
 1,2,4-Trichlorobenzene
 Concen: 20.373 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

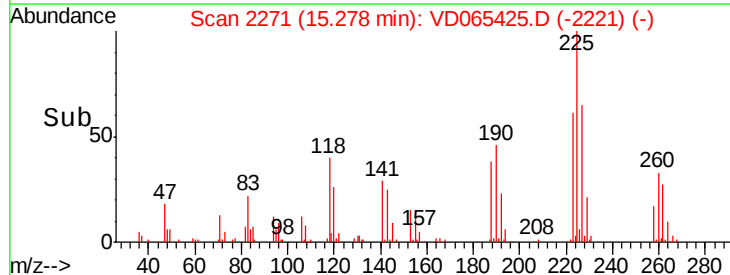
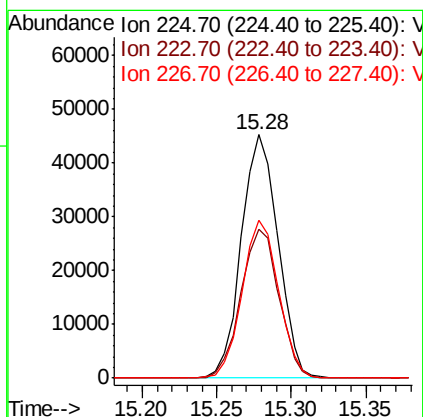
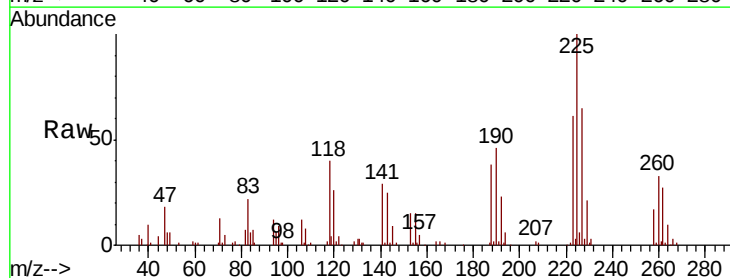
Instrument :
 MSVOA_D
 ClientSampleId :

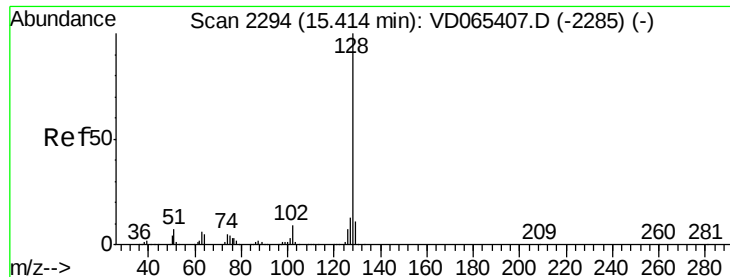
Tot Ion:180 Resp: 115945
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.3 144.9
 145 28.7 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 20.602 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065425.D
 Acq: 05 Mar 2020 12:23

Tgt Ion:225 Resp: 77040
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.5
 227 64.3 31.6 94.7

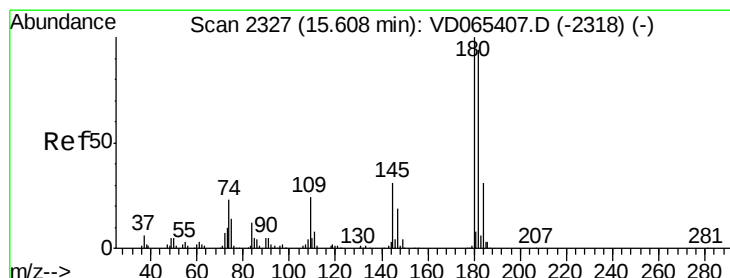
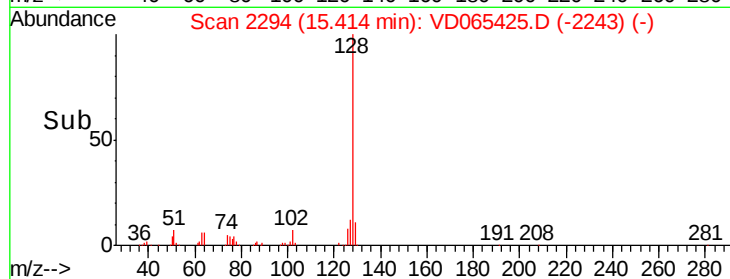
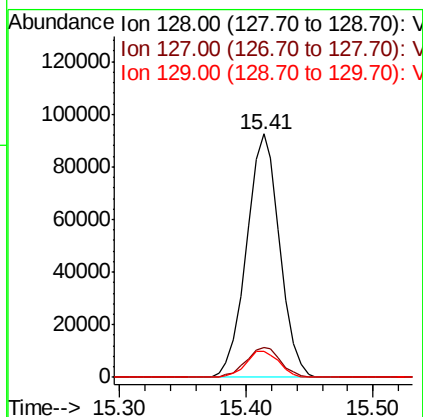
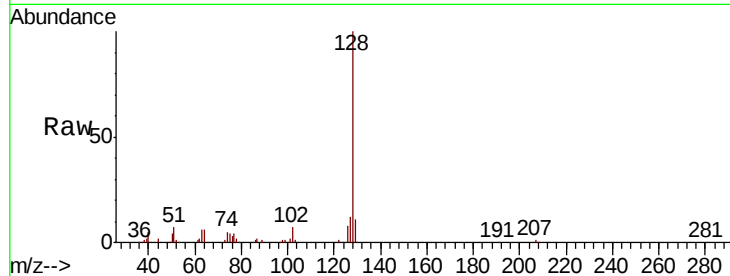




#95
Naphthalene
Concen: 19.413 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 166922
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.906 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065425.D
Acq: 05 Mar 2020 12:23

Tgt Ion:180 Resp: 102808
Ion Ratio Lower Upper
180 100
182 93.2 46.9 140.6
145 29.2 15.0 45.1

