

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065386.D
 Acq On : 03 Mar 2020 11:20
 Operator : VA/SY
 Sample : VD0303SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 04 04:51:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	475286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	203150	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.92	113	216879	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.34	98	843679	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.64	95	277586	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69084	17.330	ug/l	97
3) Chloromethane	2.21	50	89150	17.570	ug/l	93
4) Vinyl Chloride	2.35	62	90891	17.616	ug/l	99
5) Bromomethane	2.76	94	57832	18.538	ug/l	95
6) Chloroethane	2.93	64	55990	17.778	ug/l	94
7) Trichlorofluoromethane	3.27	101	147992	20.034	ug/l	98
8) Diethyl Ether	3.71	74	43489	19.504	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	94403	20.237	ug/l	98
10) Methyl Iodide	4.29	142	81962	16.922	ug/l	97
11) Tert butyl alcohol	5.24	59	22111	86.540	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	87854	19.937	ug/l	96
13) Acrolein	3.93	56	29591	73.949	ug/l	100
14) Allyl chloride	4.70	41	133861	18.706	ug/l	96
15) Acrylonitrile	5.43	53	93993	95.213	ug/l	99
16) Acetone	4.17	43	86264	82.534	ug/l	97
17) Carbon Disulfide	4.40	76	268178	18.152	ug/l	99
18) Methyl Acetate	4.71	43	51805	22.038	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	173776	18.911	ug/l	96
20) Methylene Chloride	4.96	84	107681	20.415	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	98088	19.580	ug/l	98
22) Diisopropyl ether	6.37	45	268802	19.485	ug/l	96
23) Vinyl Acetate	6.31	43	679861	89.395	ug/l	99
24) 1,1-Dichloroethane	6.26	63	168761	19.723	ug/l	99
25) 2-Butanone	7.22	43	111493	84.311	ug/l	99
26) 2,2-Dichloropropane	7.20	77	147516	19.870	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103196	19.448	ug/l	99
28) Bromochloromethane	7.54	49	55983	17.636	ug/l	96
29) Tetrahydrofuran	7.57	42	72163	93.135	ug/l	99
30) Chloroform	7.71	83	173012	20.070	ug/l	99
31) Cyclohexane	7.98	56	152862	18.183	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	155183	20.120	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138450	20.595	ug/l	99
37) Ethyl Acetate	7.30	43	52612	18.721	ug/l	99
38) Carbon Tetrachloride	8.10	117	140593	20.544	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154805	19.587	ug/l	99
40) Benzene	8.35	78	390741	20.592	ug/l	99
41) Methacrylonitrile	7.53	41	25381	15.641	ug/l	87
42) 1,2-Dichloroethane	8.43	62	105855	20.292	ug/l	99
43) Isopropyl Acetate	8.46	43	95497	18.686	ug/l	99
44) Trichloroethene	9.11	130	110671	21.041	ug/l	99
45) 1,2-Dichloropropane	9.39	63	97442	20.652	ug/l	98
46) Dibromomethane	9.48	93	49114	20.231	ug/l	97
47) Bromodichloromethane	9.67	83	132271	20.675	ug/l	99
48) Methyl methacrylate	9.46	41	48908	20.704	ug/l	93
49) 1,4-Dioxane	9.46	88	10807	379.554	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	249252	96.025	ug/l	99
52) Toluene	10.41	92	247970	21.112	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	116653	19.671	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	146734	20.491	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	71247	20.851	ug/l	96
56) Ethyl methacrylate	10.67	69	77040	19.534	ug/l	98
57) 1,3-Dichloropropane	10.95	76	121762	20.937	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	111709	89.841	ug/l	99
59) 2-Hexanone	10.99	43	171488	92.292	ug/l	97
60) Dibromochloromethane	11.14	129	90046	20.589	ug/l	99
61) 1,2-Dibromoethane	11.25	107	66061	20.419	ug/l	99
64) Tetrachloroethene	10.88	164	95488	21.572	ug/l	93
65) Chlorobenzene	11.67	112	265763	21.219	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	96709	20.691	ug/l	98
67) Ethyl Benzene	11.75	91	451575	20.586	ug/l	98
68) m/p-Xylenes	11.86	106	360266	42.927	ug/l	98
69) o-Xylene	12.18	106	156430	21.039	ug/l	96
70) Styrene	12.20	104	282374	21.390	ug/l	98
71) Bromoform	12.37	173	54405	20.977	ug/l #	100
73) Isopropylbenzene	12.48	105	432348	20.722	ug/l	100
74) N-amyl acetate	12.30	43	85711	18.487	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	75175	19.964	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	97344	36.304	ug/l #	100
77) Bromobenzene	12.77	156	106189	20.496	ug/l	98
78) n-propylbenzene	12.83	91	525140	20.944	ug/l	97
79) 2-Chlorotoluene	12.91	91	290011	20.647	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	360815	20.997	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23126	18.622	ug/l	99
82) 4-Chlorotoluene	13.01	91	311319	20.877	ug/l	99
83) tert-Butylbenzene	13.23	119	293823	20.401	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	356859	20.747	ug/l	98
85) sec-Butylbenzene	13.41	105	431822	20.807	ug/l	100
86) p-Isopropyltoluene	13.53	119	395214	20.824	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	205782	20.545	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	204638	20.701	ug/l	98
89) n-Butylbenzene	13.85	91	359053	20.530	ug/l	99
90) Hexachloroethane	14.12	117	79247	20.564	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	178572	20.764	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11051	19.044	ug/l	96

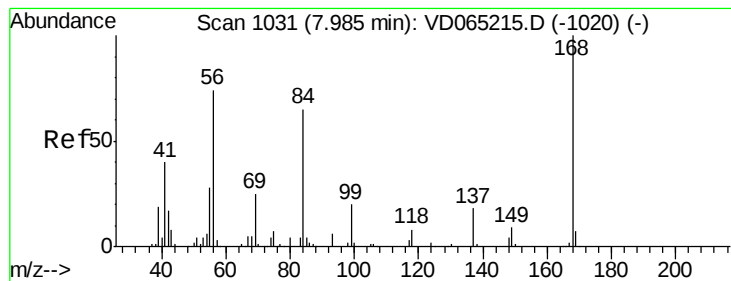
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116024	20.625	ug/l	99
94) Hexachlorobutadiene	15.28	225	75390	20.892	ug/l	99
95) Naphthalene	15.41	128	178842	19.556	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	101813	20.723	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

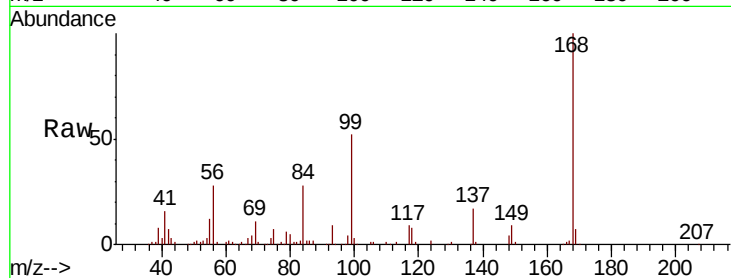
ClientSampleId :

Tot Ion:168 Resp: 475286

Ion Ratio Lower Upper

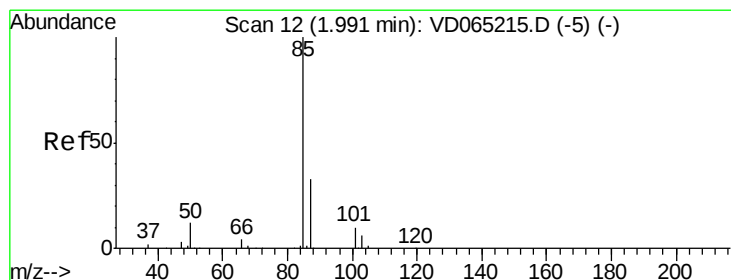
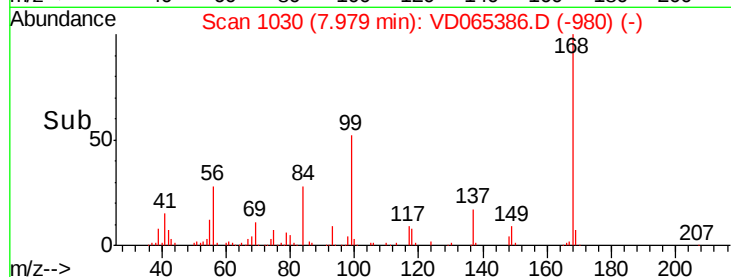
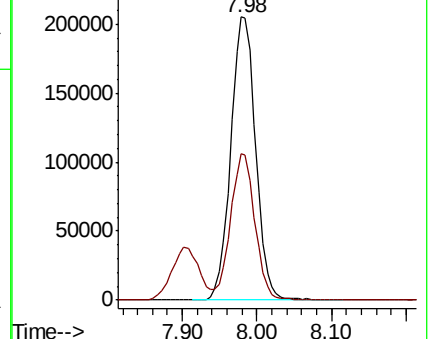
168 100

99 51.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.330 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065386.D

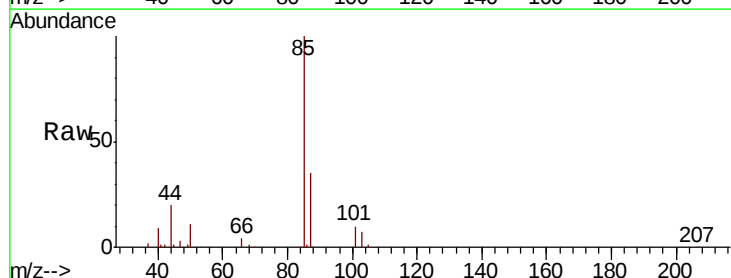
Acq: 03 Mar 2020 11:20

Tgt Ion: 85 Resp: 69084

Ion Ratio Lower Upper

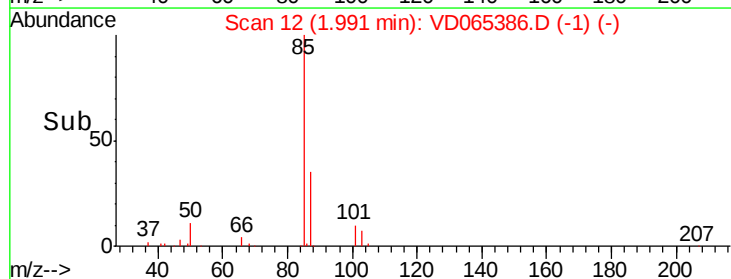
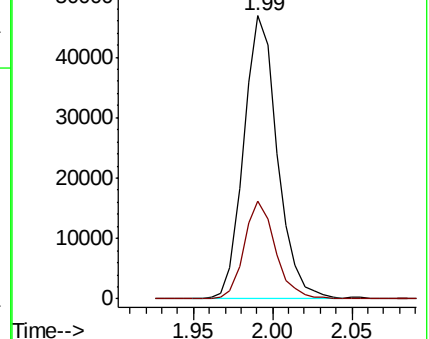
85 100

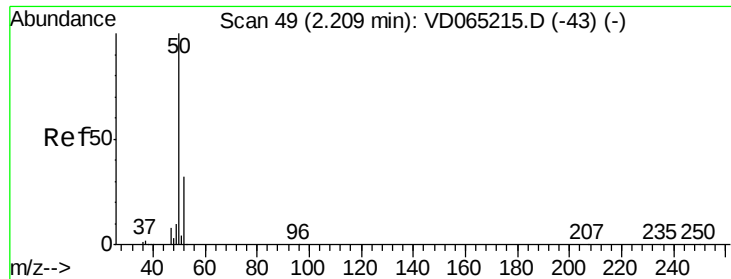
87 34.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.570 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

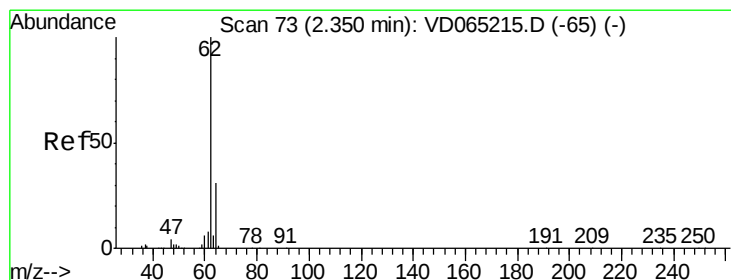
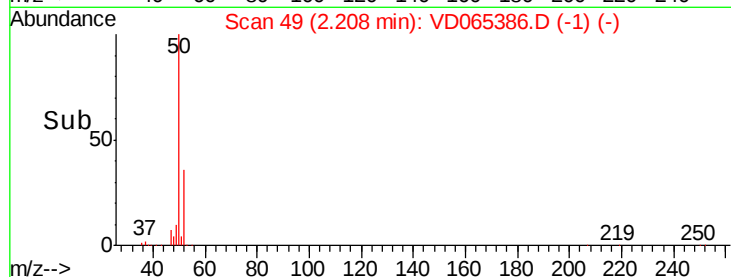
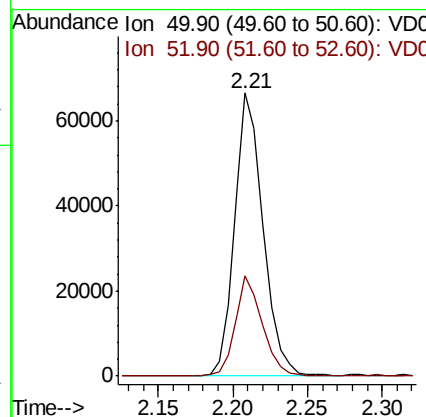
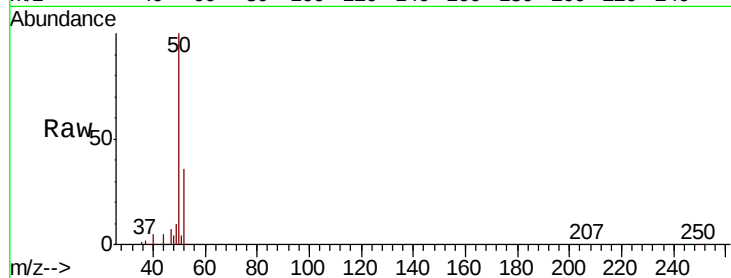
ClientSampleId :

Tot Ion: 50 Resp: 89150

Ion Ratio Lower Upper

50 100

52 35.6 25.5 38.3



#4

Vinyl Chloride

Concen: 17.616 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065386.D

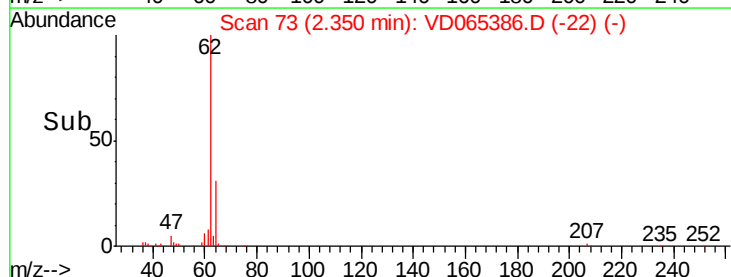
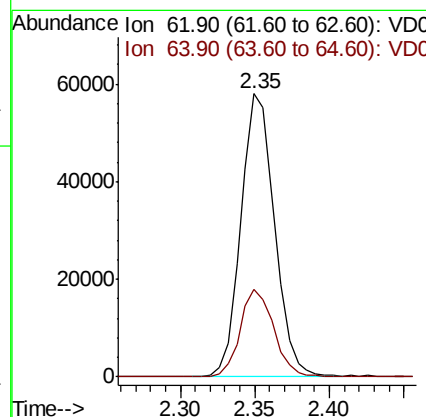
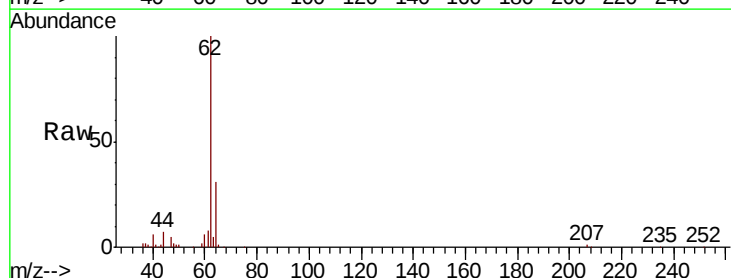
Acq: 03 Mar 2020 11:20

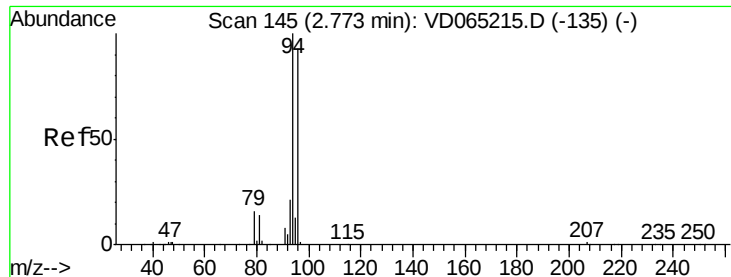
Tgt Ion: 62 Resp: 90891

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.6





#5

Bromomethane

Concen: 18.538 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

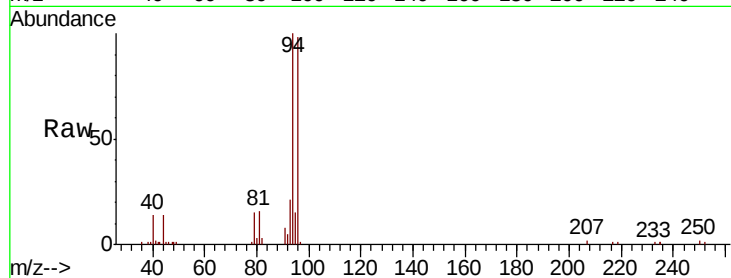
ClientSampled :

Tot Ion: 94 Resp: 57832

Ion Ratio Lower Upper

94 100

96 97.3 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

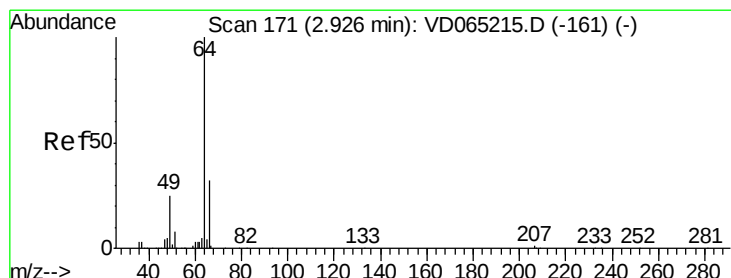
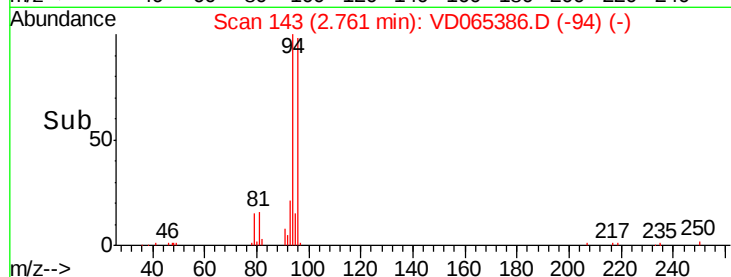
10000

5000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 17.778 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065386.D

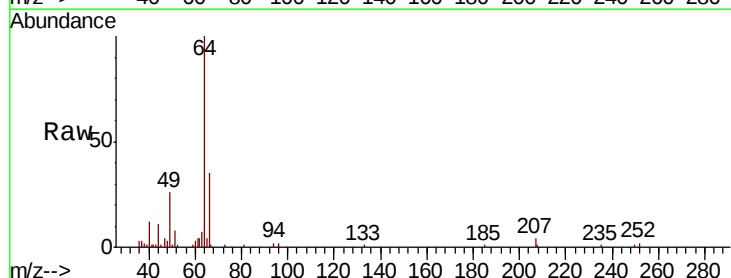
Acq: 03 Mar 2020 11:20

Tgt Ion: 64 Resp: 55990

Ion Ratio Lower Upper

64 100

66 35.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

25000

20000

15000

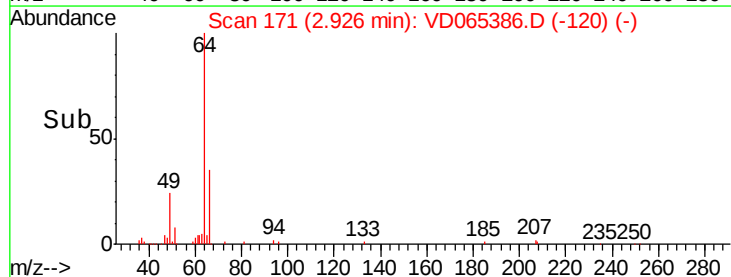
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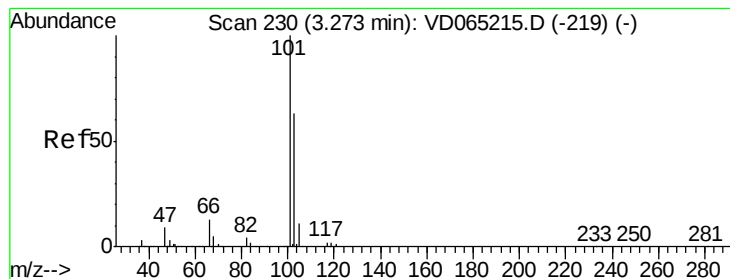
5000

0

Time-->

2.80 2.90 3.00



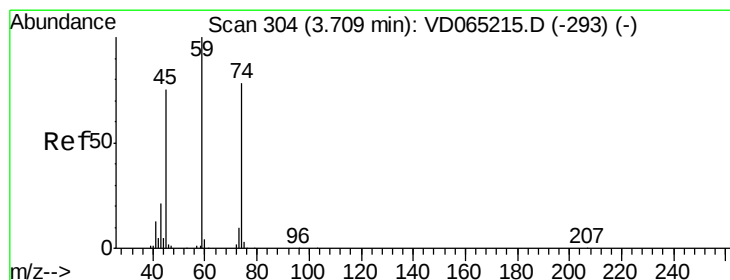
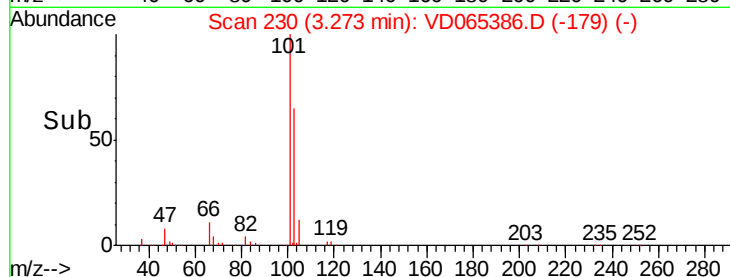
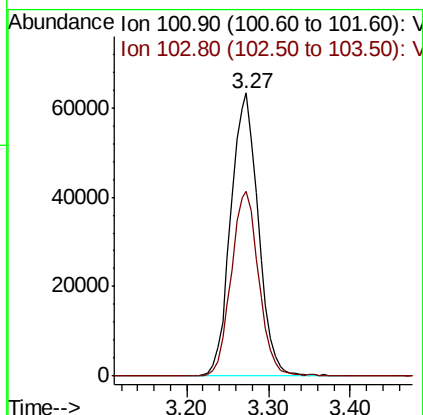
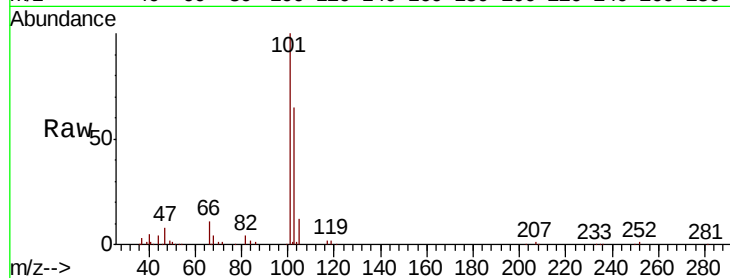


#7

Trichlorofluoromethane
 Concen: 20.034 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

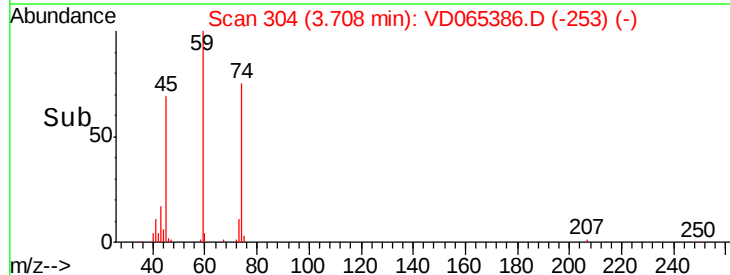
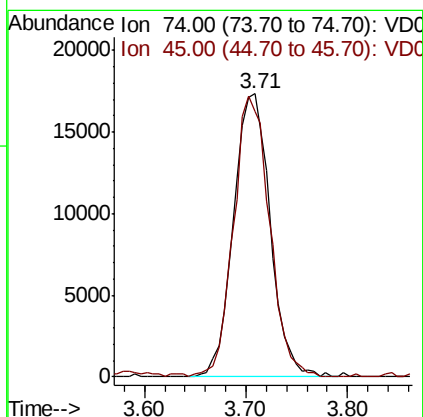
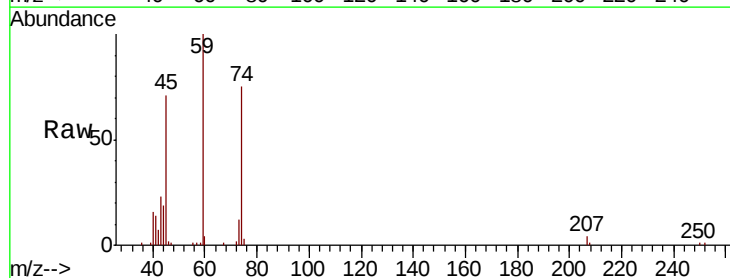
Tot Ion:101 Resp: 147992
 Ion Ratio Lower Upper
 101 100
 103 65.2 50.7 76.1

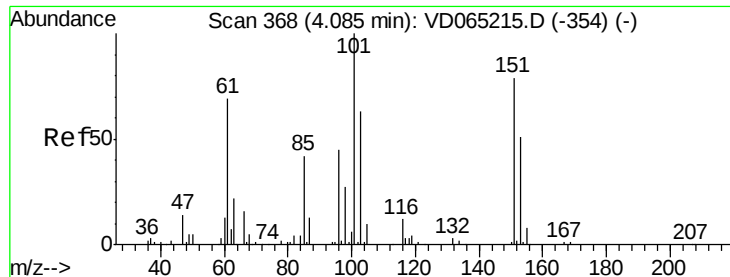


#8

Diethyl Ether
 Concen: 19.504 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion: 74 Resp: 43489
 Ion Ratio Lower Upper
 74 100
 45 97.5 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.237 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

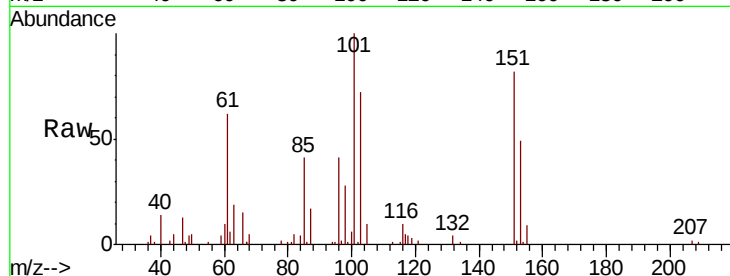
Tot Ion:101 Resp: 94403

Ion Ratio Lower Upper

101 100

85 41.4 34.2 51.2

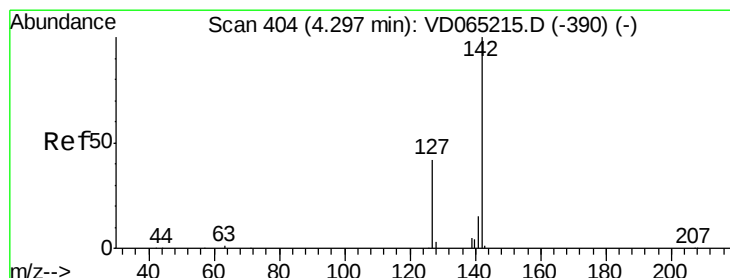
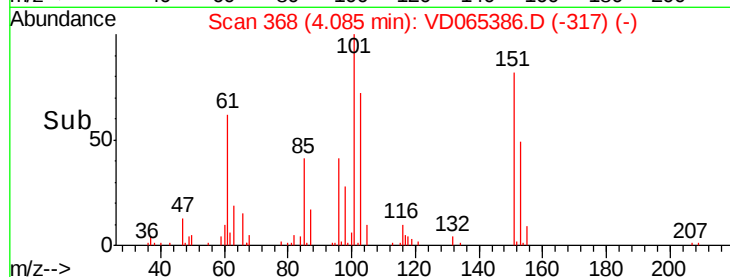
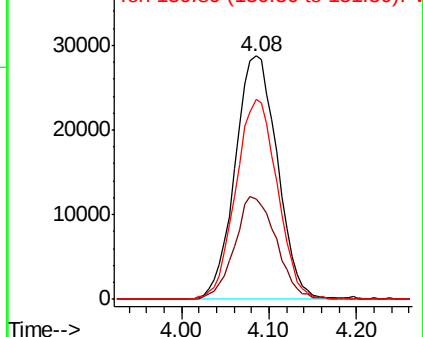
151 80.7 63.5 95.3



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: 16.922 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

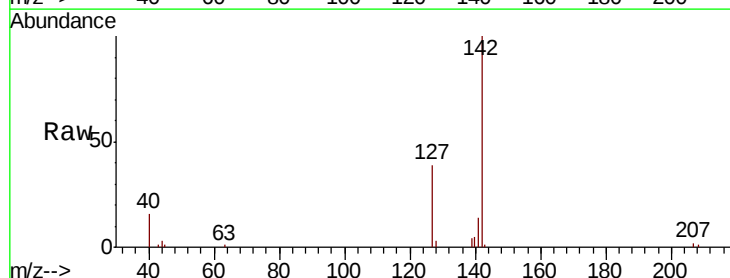
Tgt Ion:142 Resp: 81962

Ion Ratio Lower Upper

142 100

127 44.6 33.8 50.8

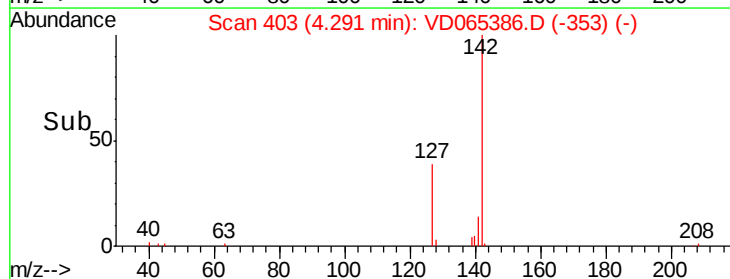
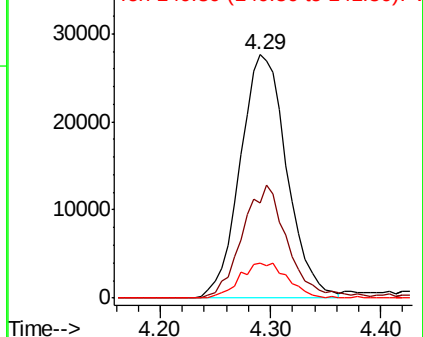
141 14.8 11.7 17.5

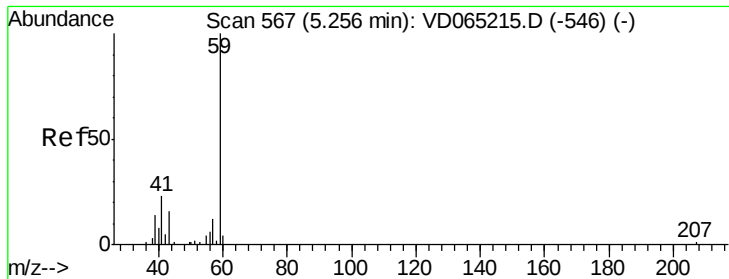


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

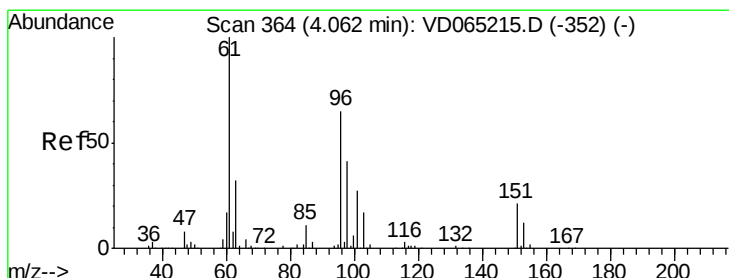
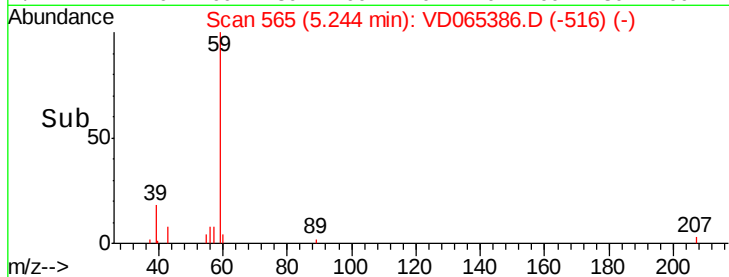
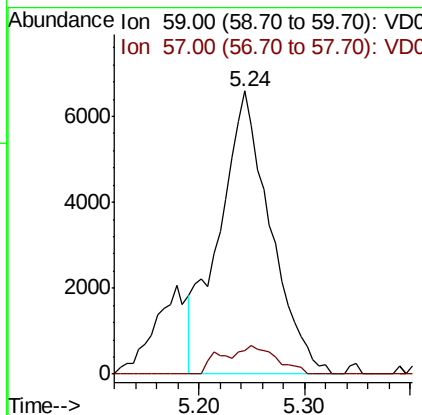
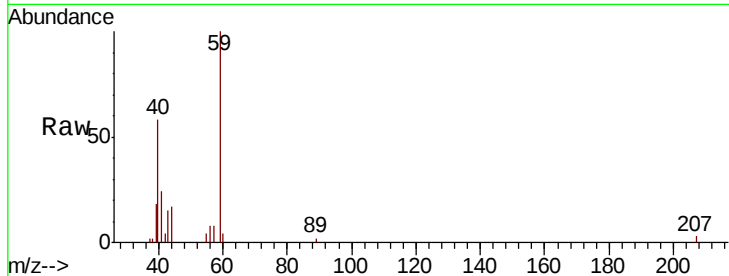




#11
Tert butyl alcohol
Concen: 86.540 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

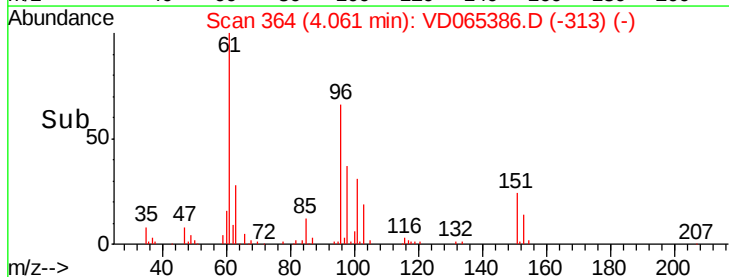
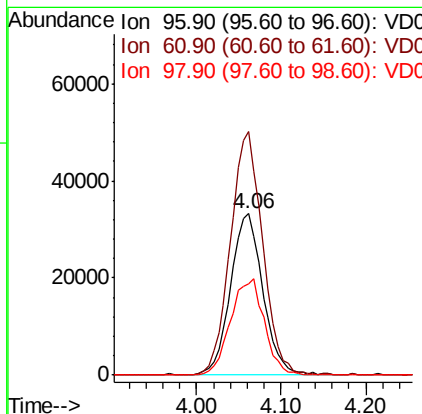
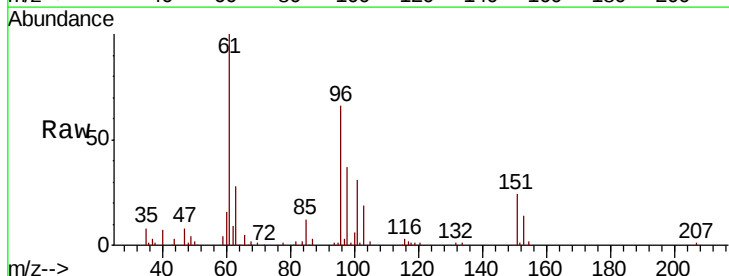
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 22111
Ion Ratio Lower Upper
59 100
57 7.2 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 19.937 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 96 Resp: 87854
Ion Ratio Lower Upper
96 100
61 150.9 123.3 184.9
98 56.6 51.0 76.4





#13

Acrolein

Concen: 73.949 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

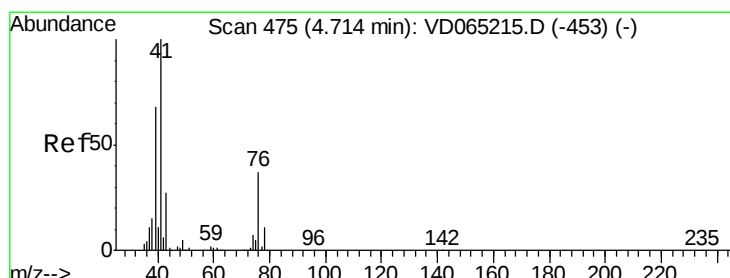
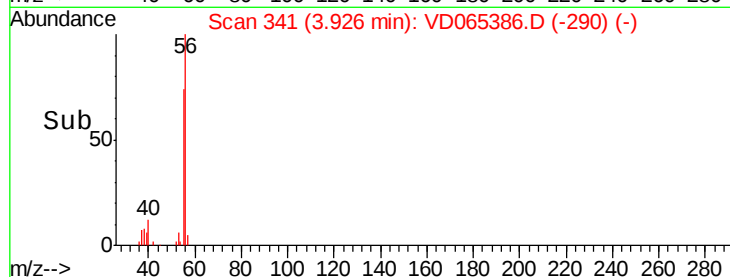
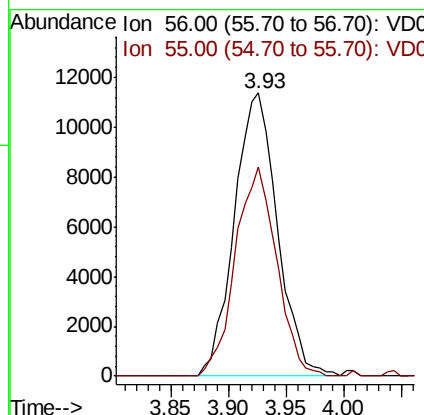
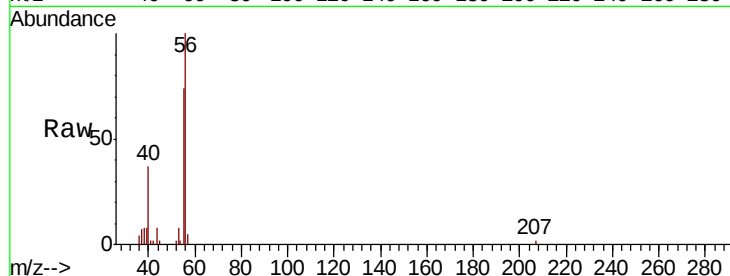
ClientSampleId :

Tot Ion: 56 Resp: 29591

Ion Ratio Lower Upper

56 100

55 70.6 56.6 85.0



#14

Allyl chloride

Concen: 18.706 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

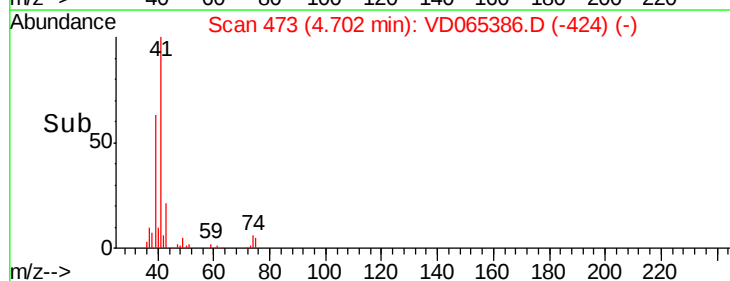
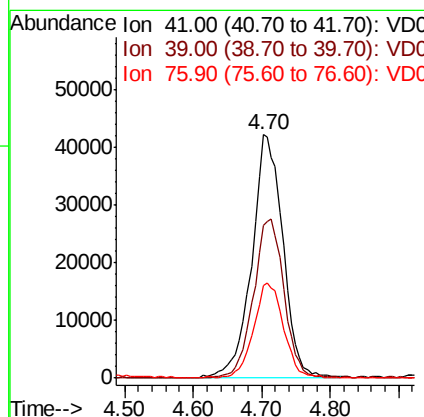
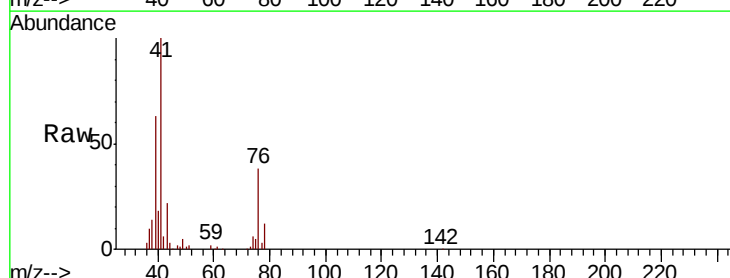
Tgt Ion: 41 Resp: 133861

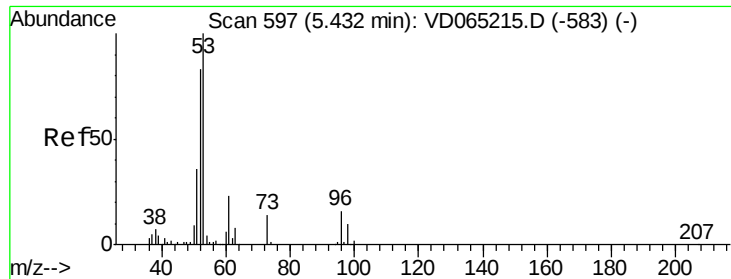
Ion Ratio Lower Upper

41 100

39 63.9 53.8 80.6

76 37.3 28.7 43.1





#15

Acrylonitrile

Concen: 95.213 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

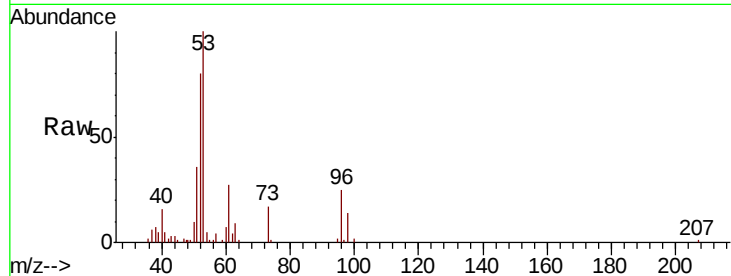
Tot Ion: 53 Resp: 93993

Ion Ratio Lower Upper

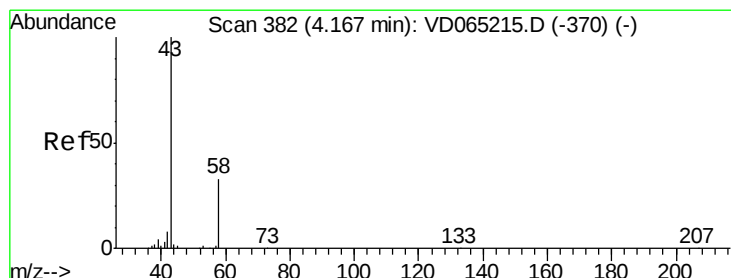
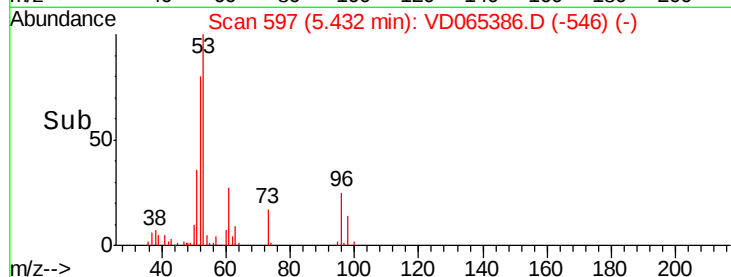
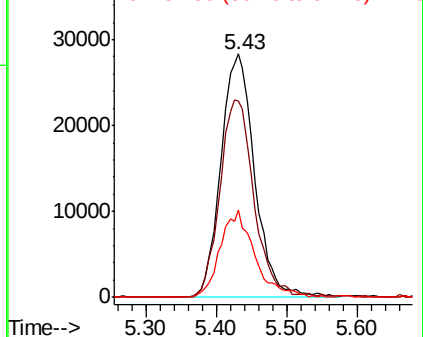
53 100

52 81.3 65.4 98.2

51 36.5 29.5 44.3



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: 82.534 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065386.D

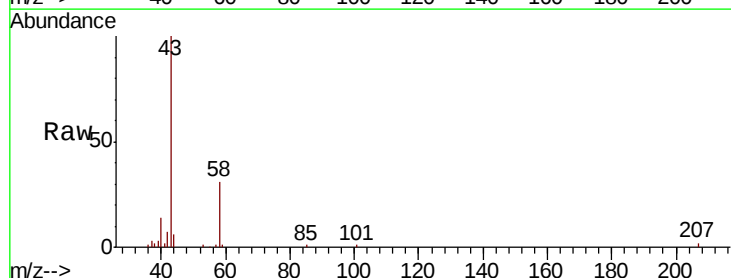
Acq: 03 Mar 2020 11:20

Tgt Ion: 43 Resp: 86264

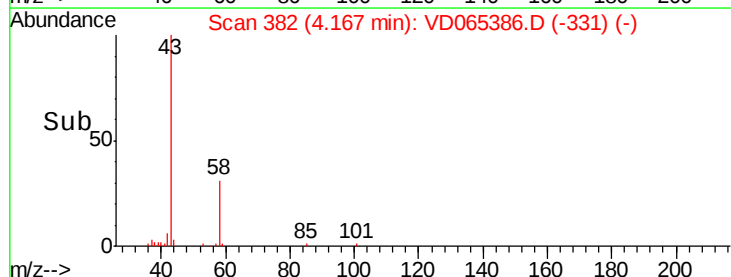
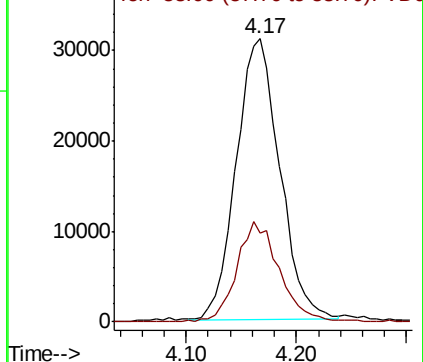
Ion Ratio Lower Upper

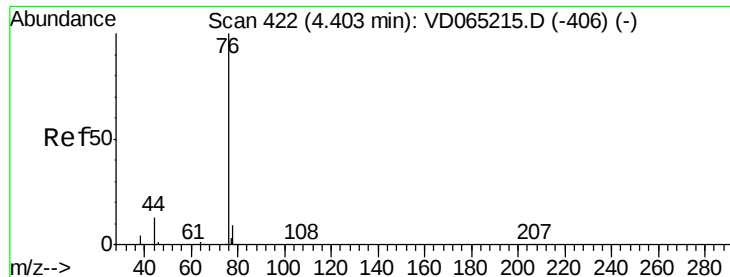
43 100

58 30.9 26.2 39.2



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

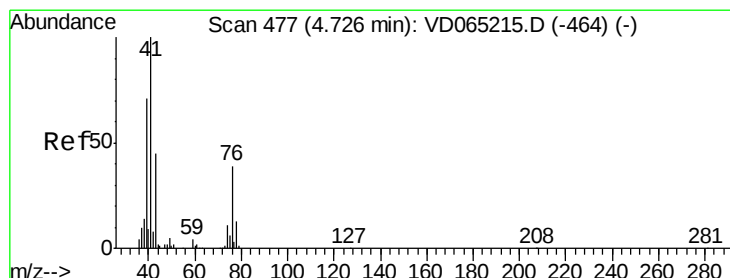
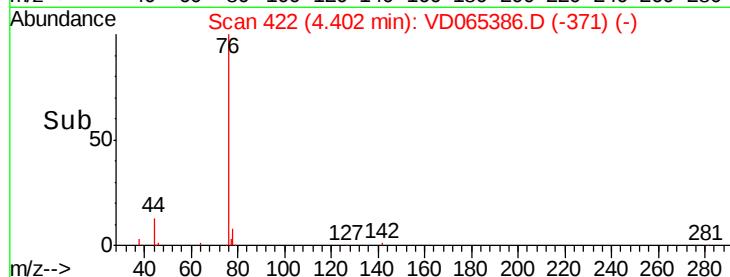
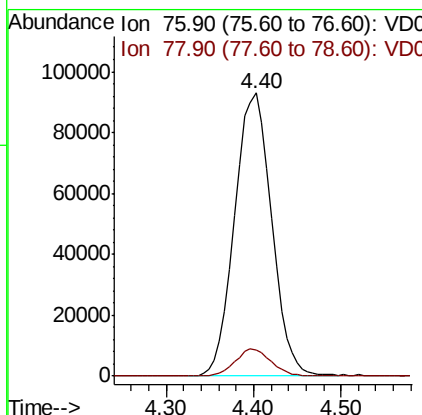
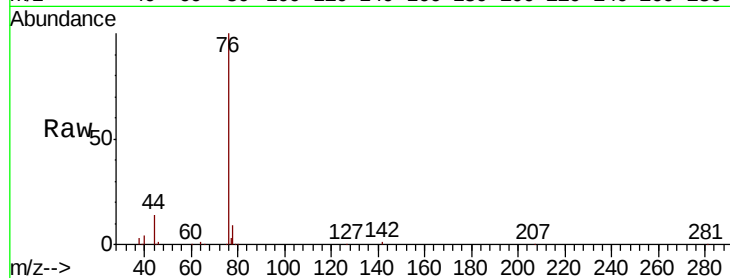




#17
Carbon Disulfide
Concen: 18.152 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

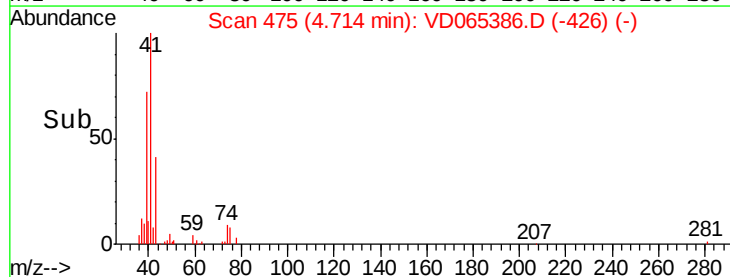
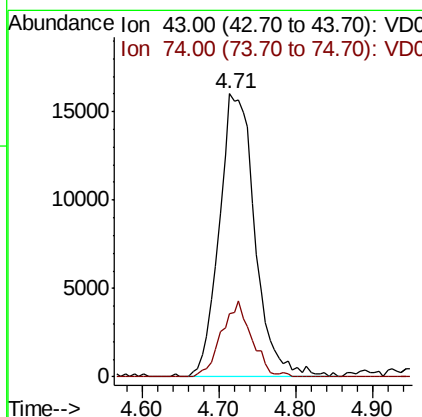
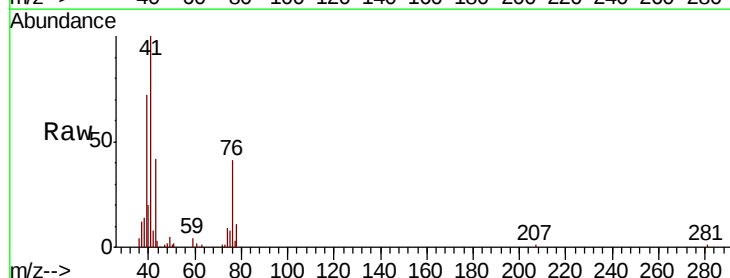
Instrument :
MSVOA_D
ClientSampleId :

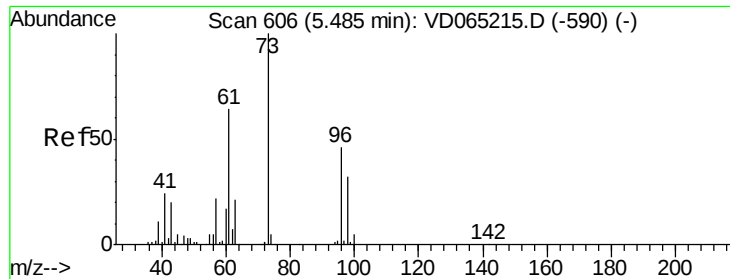
Tot Ion: 76 Resp: 268178
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 22.038 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 43 Resp: 51805
Ion Ratio Lower Upper
43 100
74 22.8 19.4 29.2

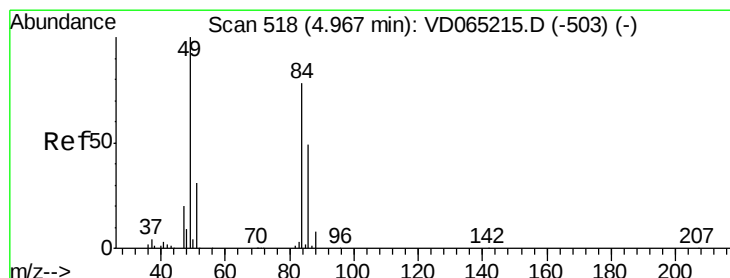
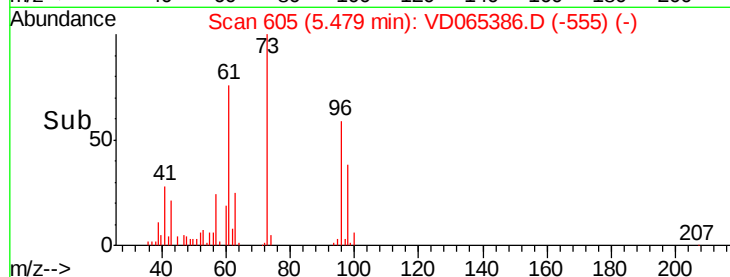
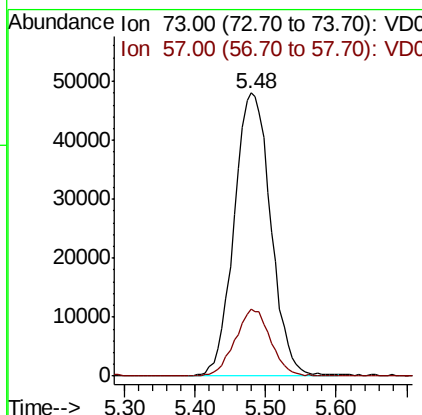
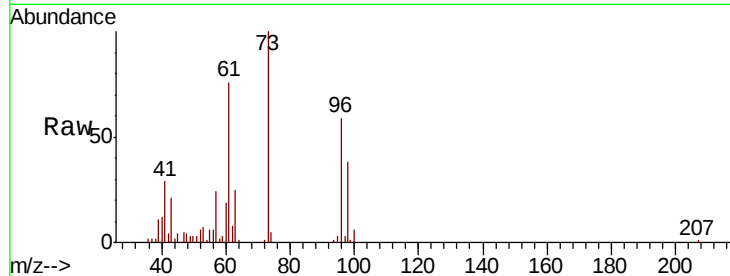




#19
Methyl tert-butyl Ether
Concen: 18.911 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

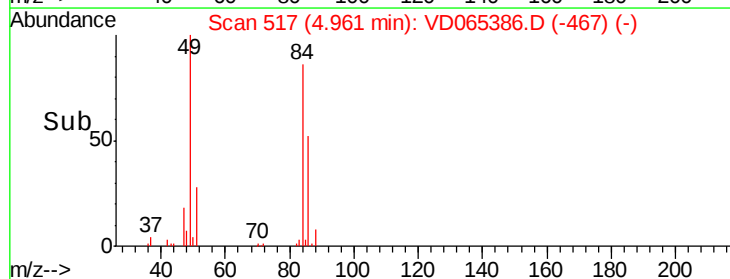
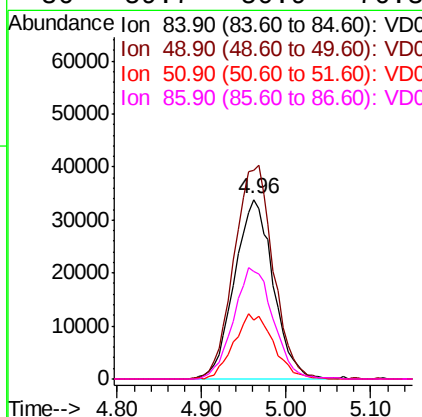
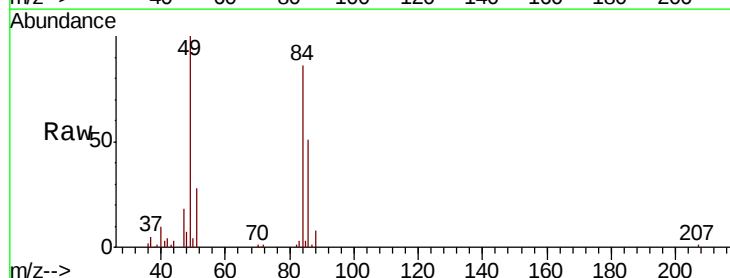
Instrument :
MSVOA_D
ClientSampled :

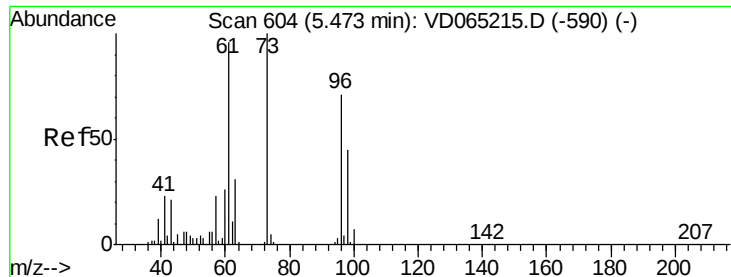
Tot Ion: 73 Resp: 173776
Ion Ratio Lower Upper
73 100
57 23.7 17.3 25.9



#20
Methylene Chloride
Concen: 20.415 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 84 Resp: 107681
Ion Ratio Lower Upper
84 100
49 116.3 103.1 154.7
51 32.9 31.7 47.5
86 59.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.580 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampled :

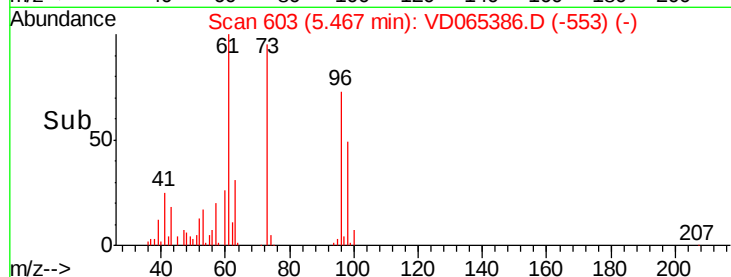
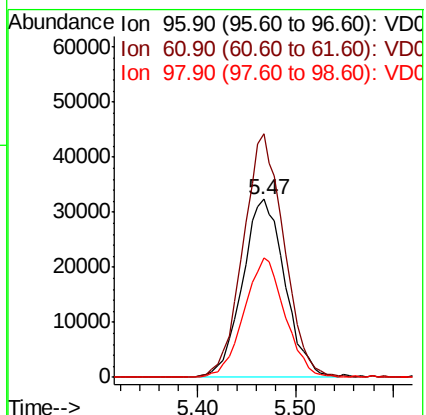
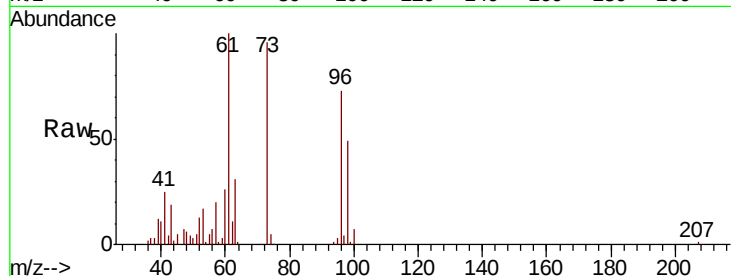
Tot Ion: 96 Resp: 98088

Ion Ratio Lower Upper

96 100

61 137.0 108.3 162.5

98 66.9 50.7 76.1



#22

Diisopropyl ether

Concen: 19.485 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Tgt Ion: 45 Resp: 268802

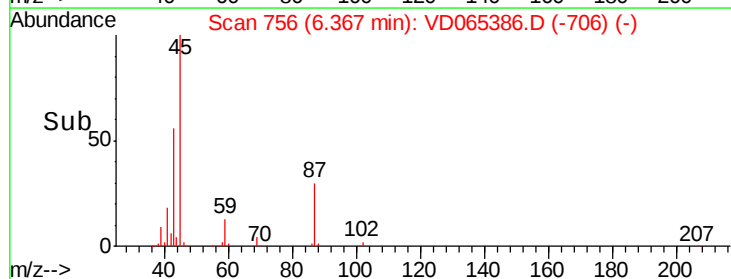
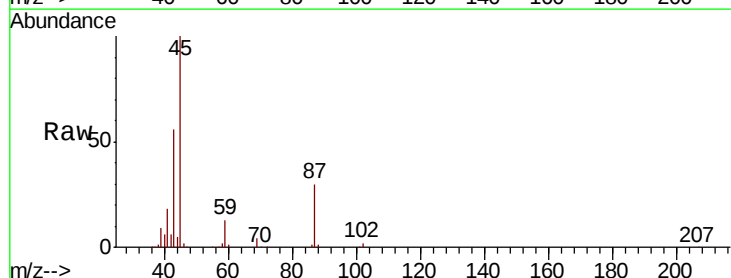
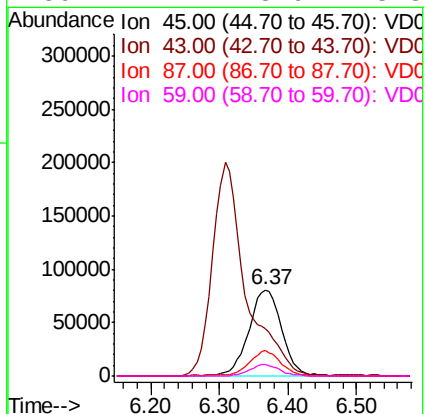
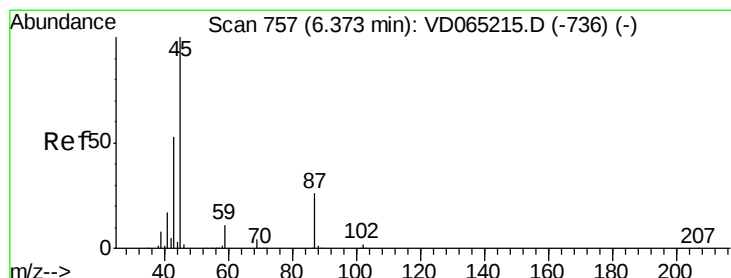
Ion Ratio Lower Upper

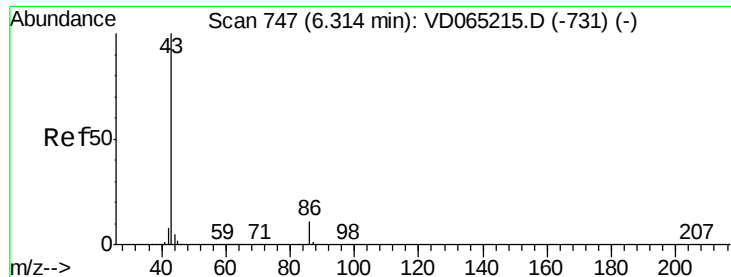
45 100

43 54.6 42.6 64.0

87 30.0 21.2 31.8

59 12.7 8.9 13.3





#23

Vinyl Acetate

Concen: 89.395 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

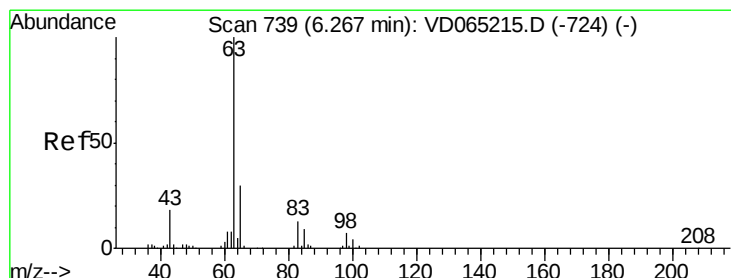
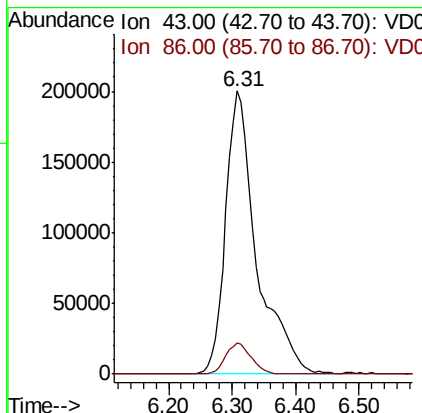
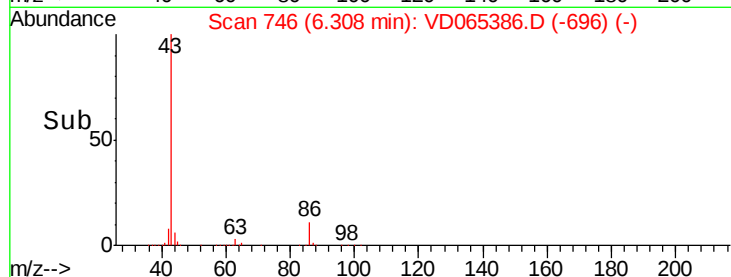
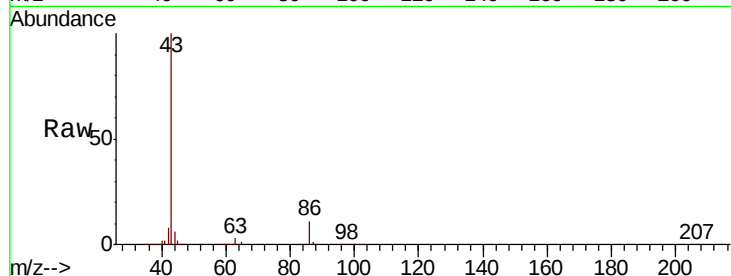
ClientSampled :

Tot Ion: 43 Resp: 679861

Ion Ratio Lower Upper

43 100

86 11.2 8.6 12.8



#24

1,1-Dichloroethane

Concen: 19.723 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

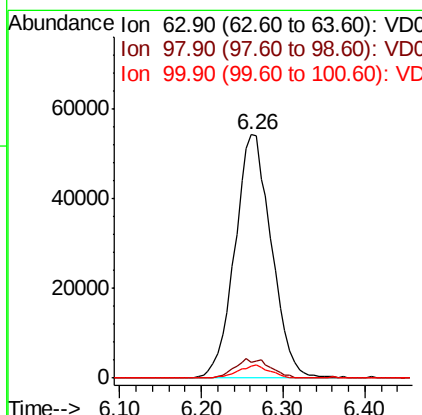
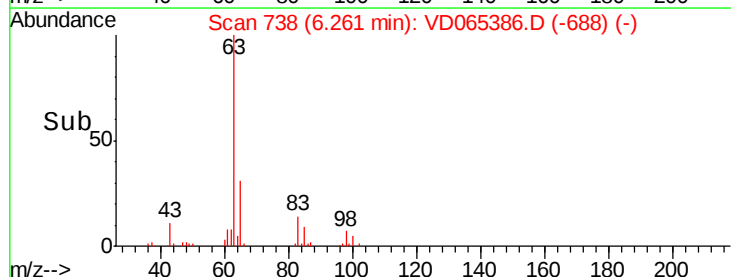
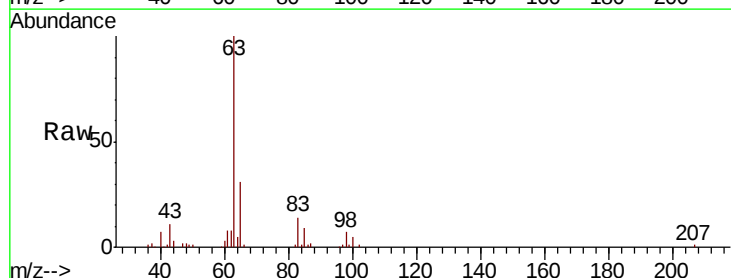
Tgt Ion: 63 Resp: 168761

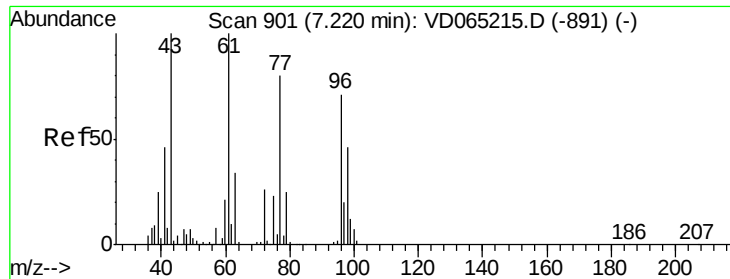
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.9 2.3 6.8





#25

2-Butanone

Concen: 84.311 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

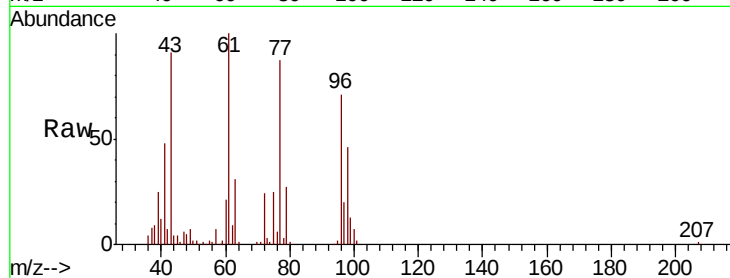
ClientSampleId :

Tot Ion: 43 Resp: 111493

Ion Ratio Lower Upper

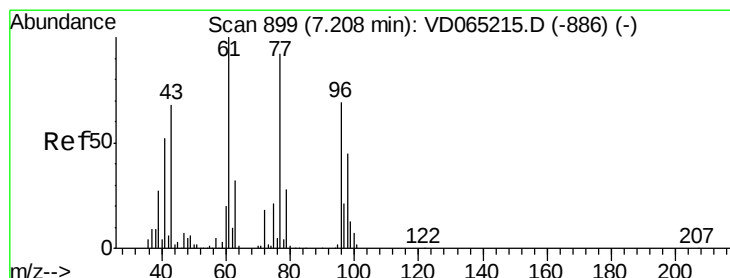
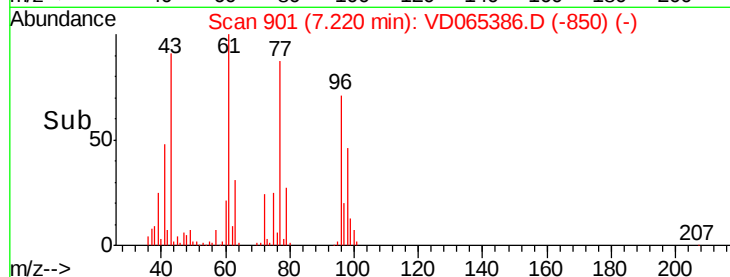
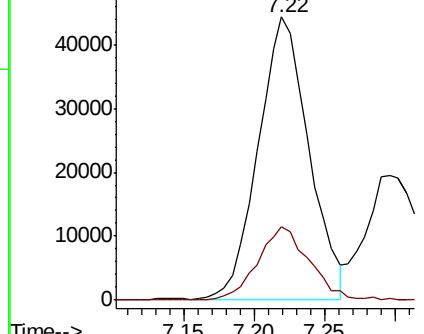
43 100

72 25.8 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.870 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065386.D

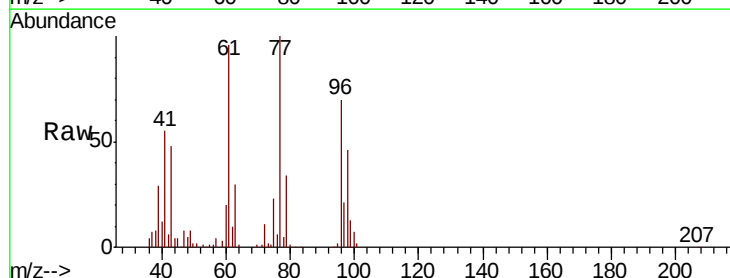
Acq: 03 Mar 2020 11:20

Tgt Ion: 77 Resp: 147516

Ion Ratio Lower Upper

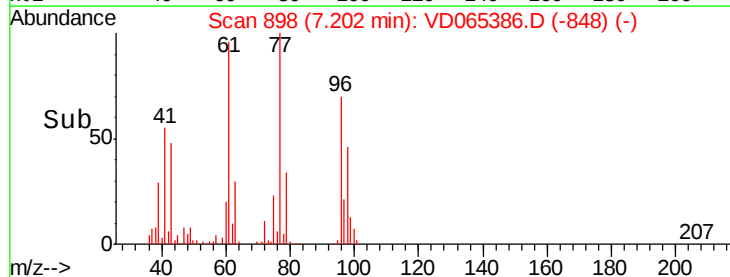
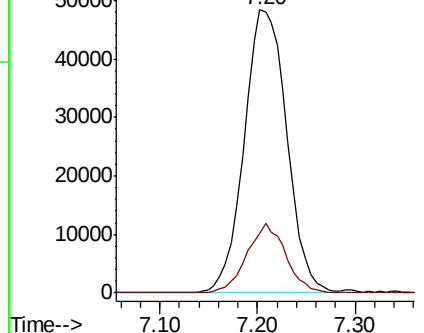
77 100

97 22.3 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



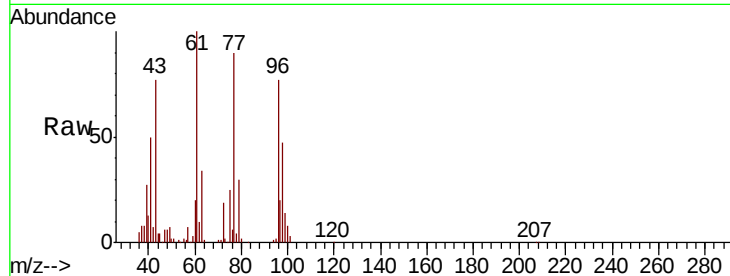


#27

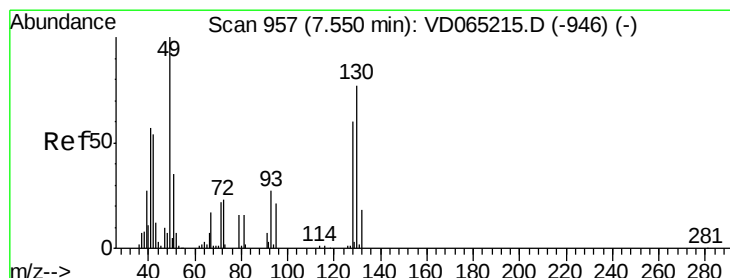
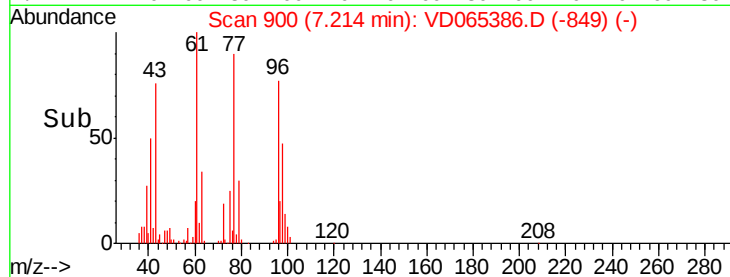
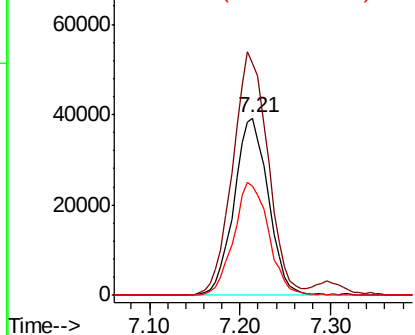
cis-1,2-Dichloroethene
 Concen: 19.448 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	103196
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	286.0
98	64.4	0.0	127.8



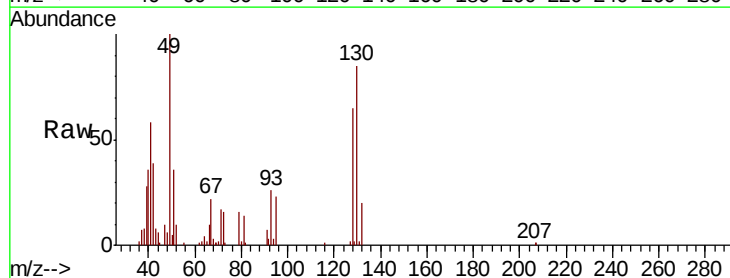
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



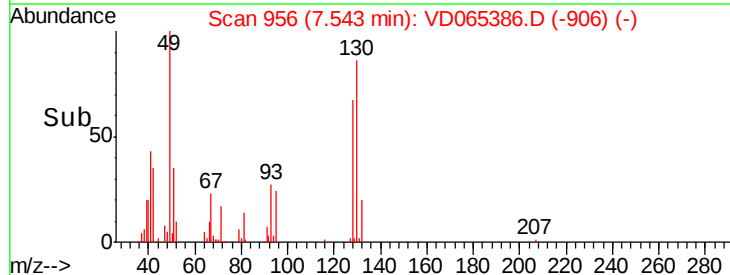
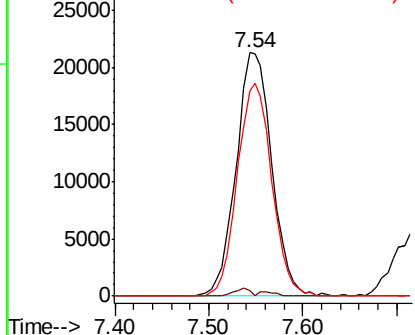
#28

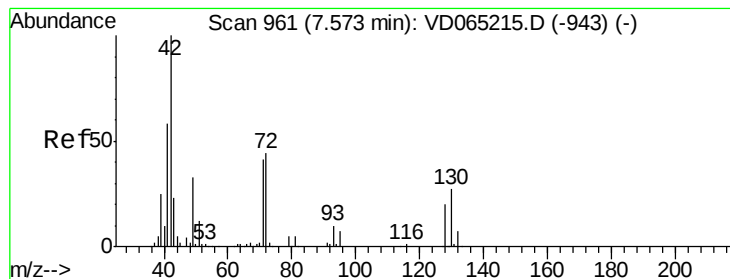
Bromochloromethane
 Concen: 17.636 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion	49	Resp	55983
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.6
130	84.3	64.7	97.1



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: 93.135 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

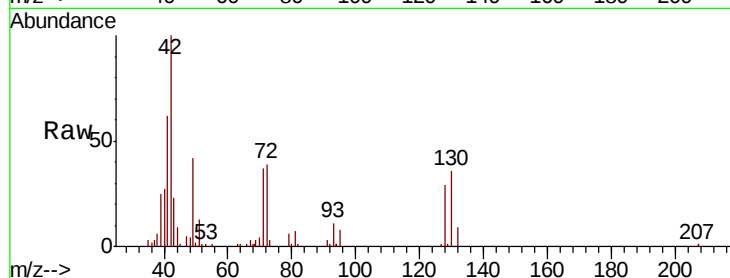
Tot Ion: 42 Resp: 72163

Ion Ratio Lower Upper

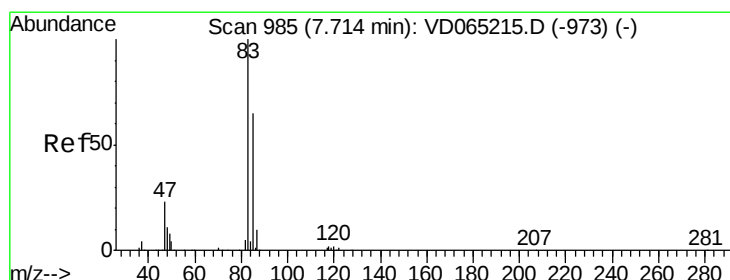
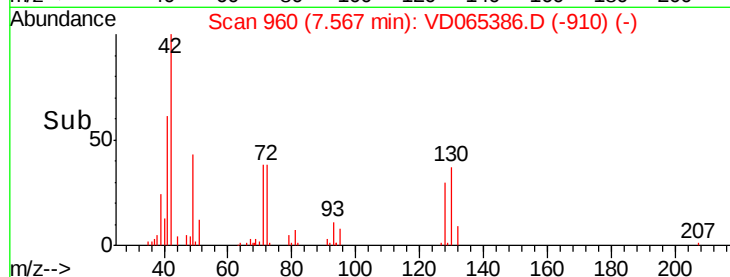
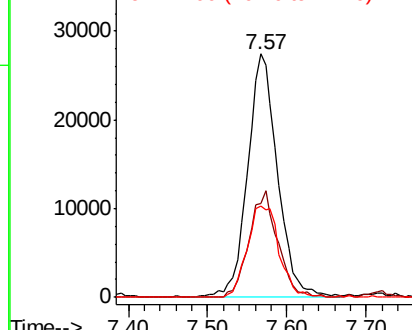
42 100

72 42.0 33.7 50.5

71 39.9 31.4 47.2



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: 20.070 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065386.D

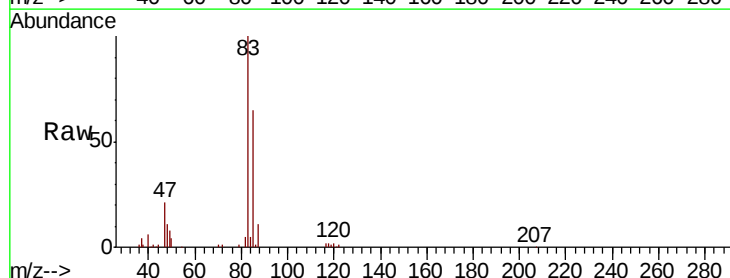
Acq: 03 Mar 2020 11:20

Tgt Ion: 83 Resp: 173012

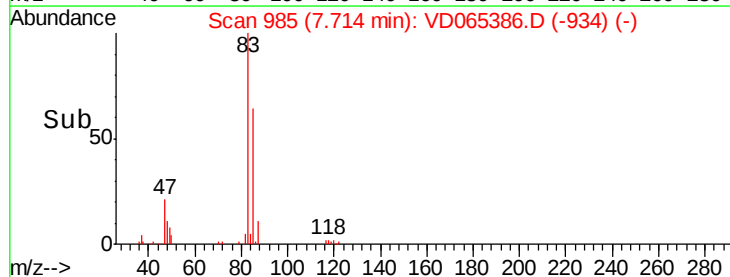
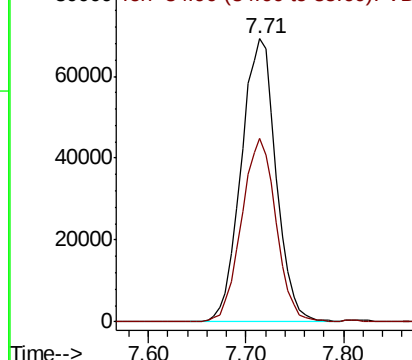
Ion Ratio Lower Upper

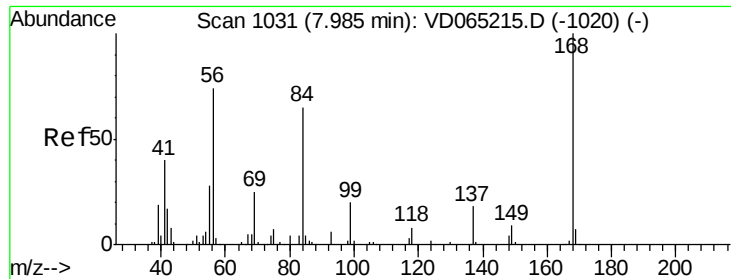
83 100

85 64.7 52.3 78.5



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

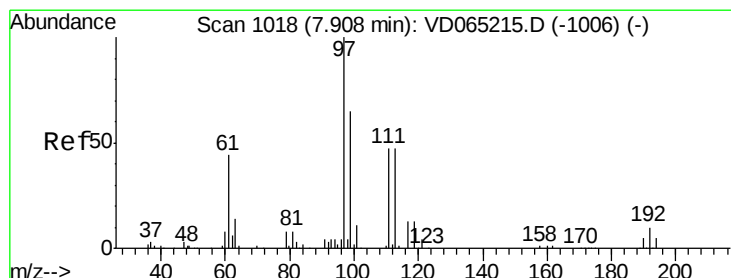
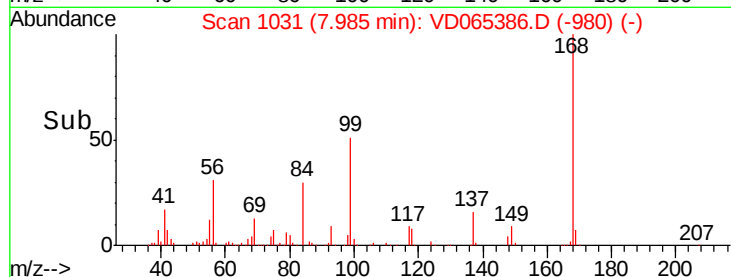
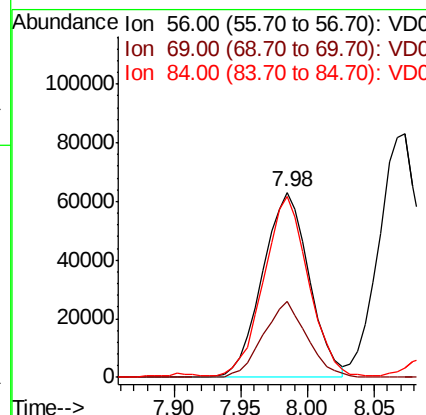
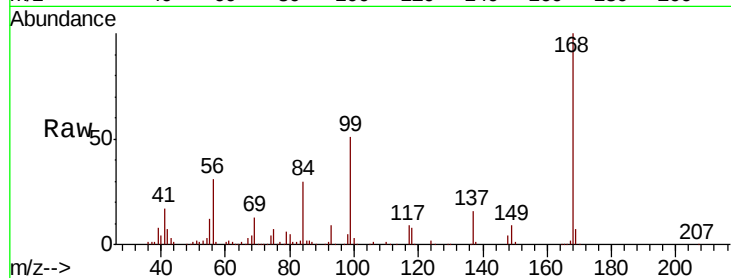




#31
Cyclohexane
Concen: 18.183 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

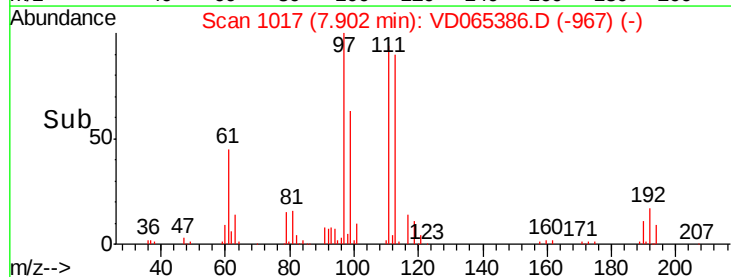
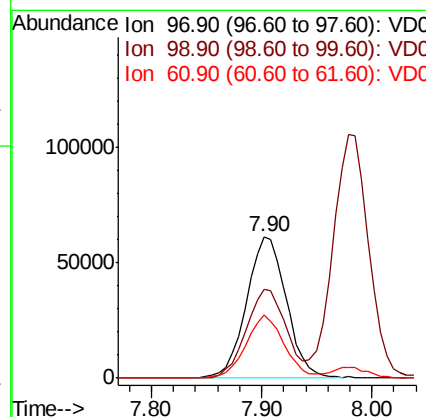
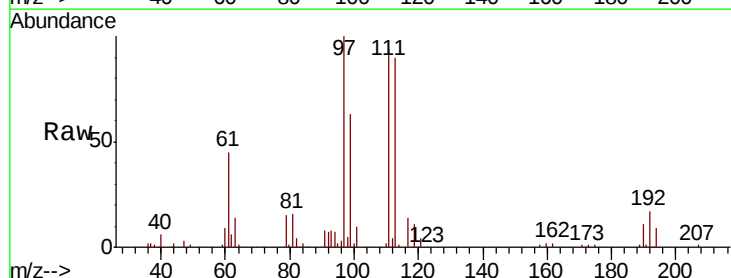
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 152862
Ion Ratio Lower Upper
56 100
69 41.0 27.4 41.0#
84 96.3 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 20.120 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 97 Resp: 155183
Ion Ratio Lower Upper
97 100
99 62.7 51.4 77.2
61 43.3 34.8 52.2

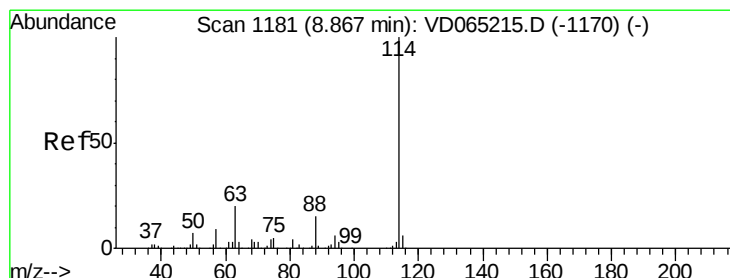
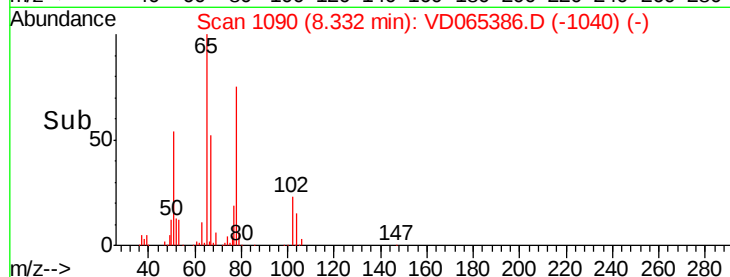
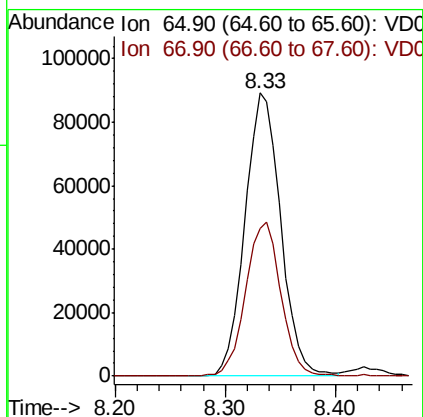
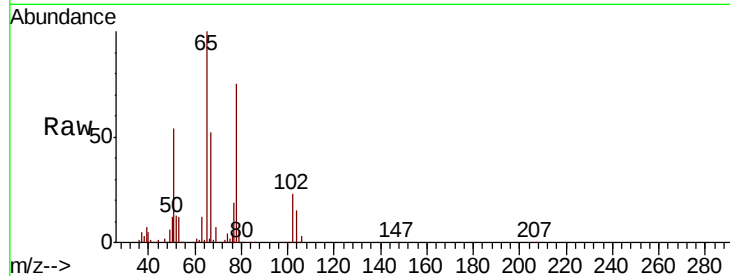




#33
 1,2-Dichloroethane-d4
 Concen: 47.512 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

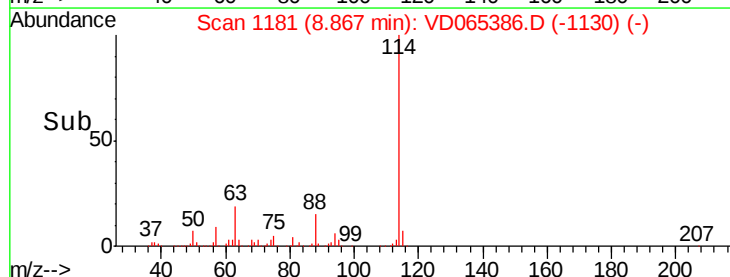
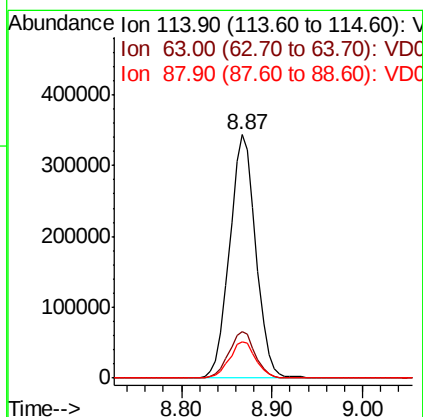
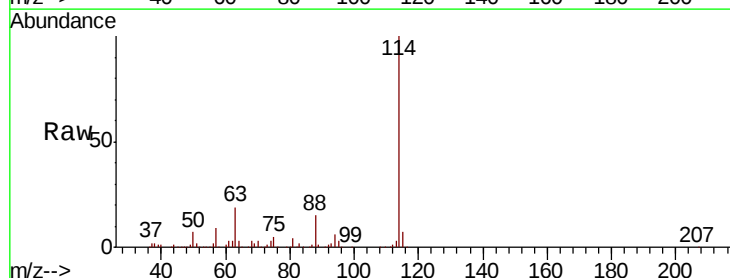
Instrument :
 MSVOA_D
 ClientSampleId :

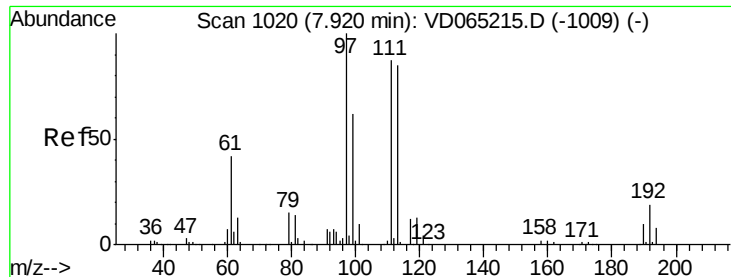
Tot Ion: 65 Resp: 203150
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion: 114 Resp: 690908
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.4
 88 15.0 0.0 30.4

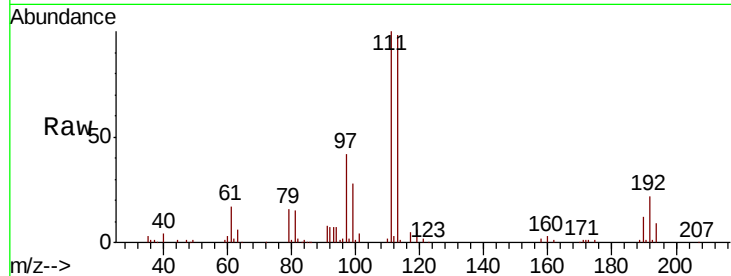




#35
Dibromofluoromethane
Concen: 51.482 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	21.9	17.3	25.9

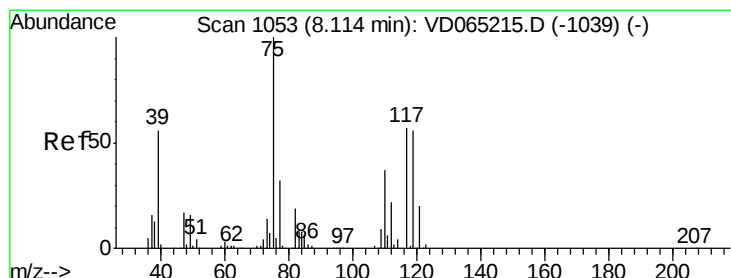
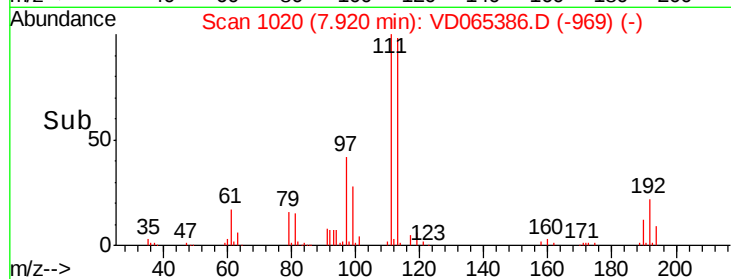
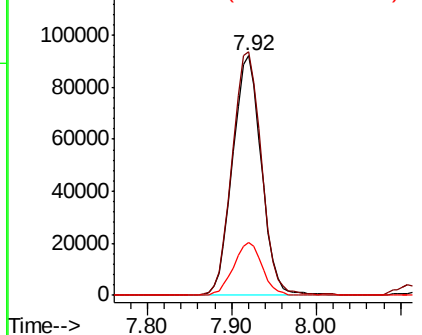


Abundance

Ion 112.80 (112.50 to 113.50): V

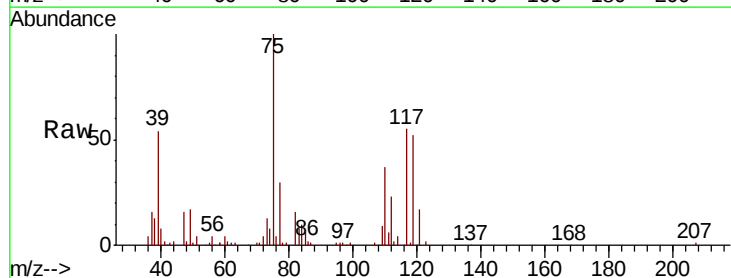
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 20.595 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.9	53.7
77	30.3	25.1	37.7

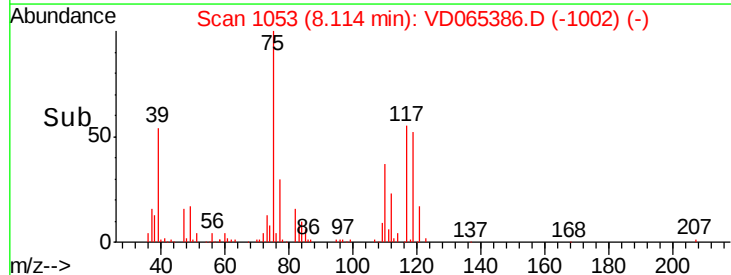
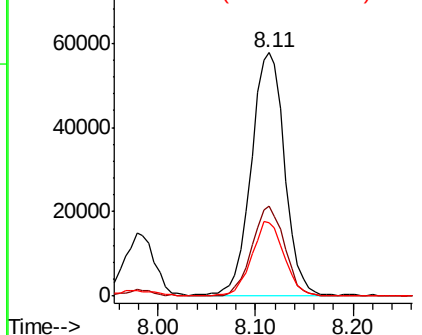


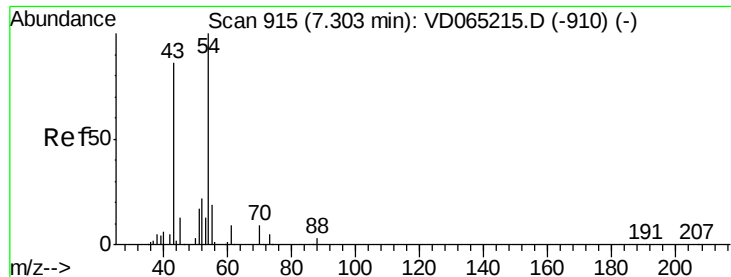
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

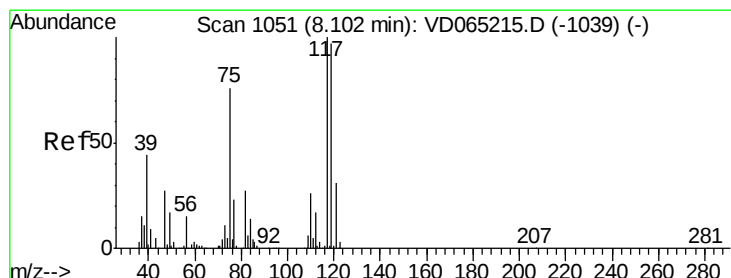
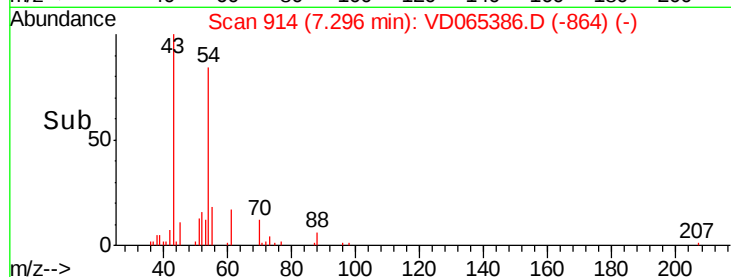
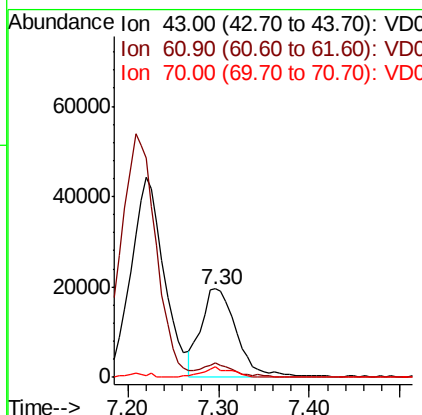
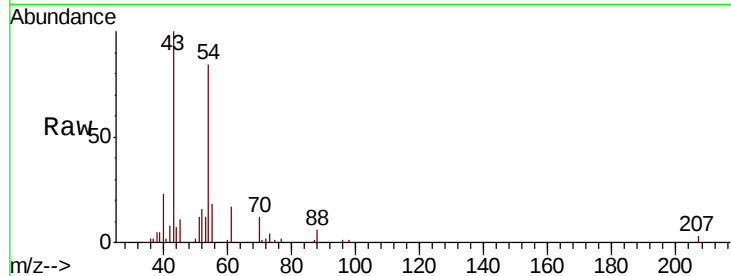




#37
Ethyl Acetate
Concen: 18.721 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

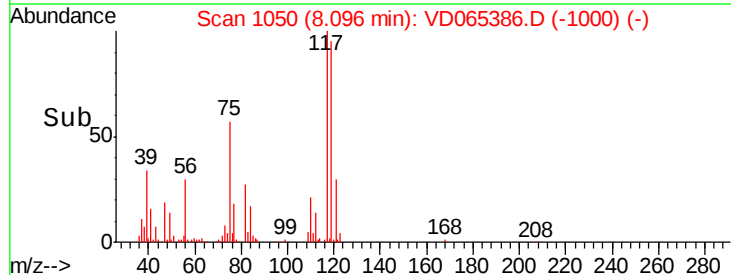
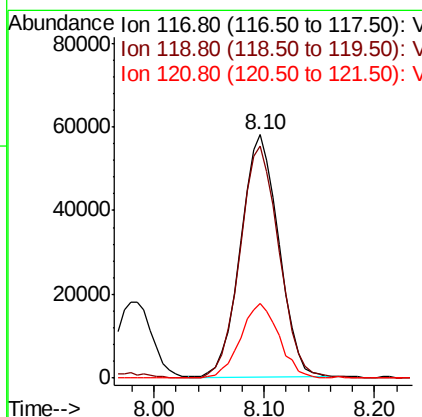
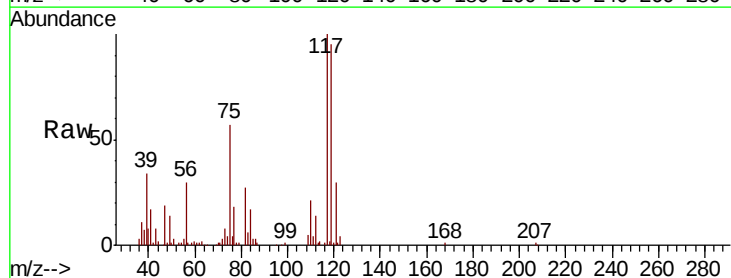
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 52612
Ion Ratio Lower Upper
43 100
61 14.1 11.2 16.8
70 9.8 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.544 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 117 Resp: 140593
Ion Ratio Lower Upper
117 100
119 95.7 77.6 116.4
121 30.6 24.8 37.2

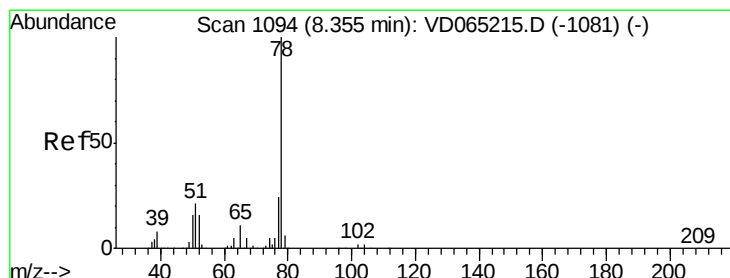
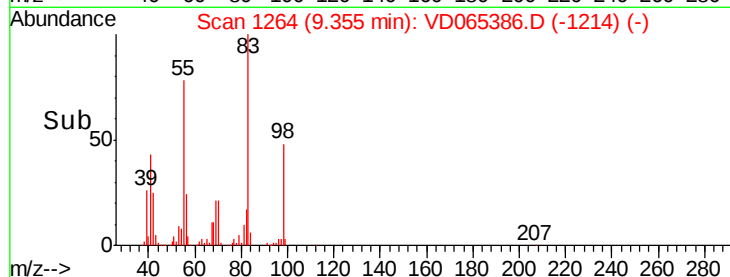
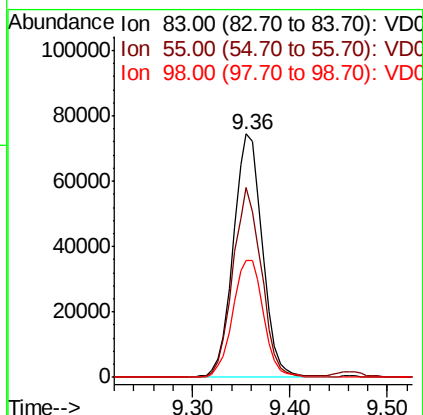
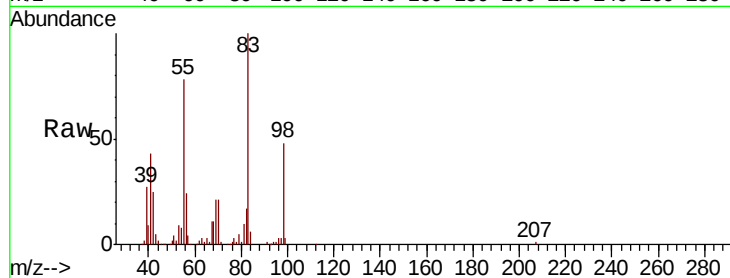




#39
Methvlcvclohexane
Concen: 19.587 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

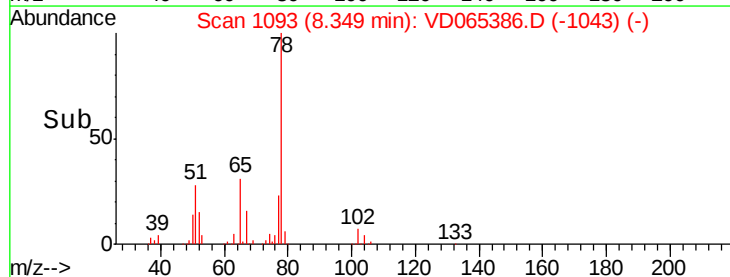
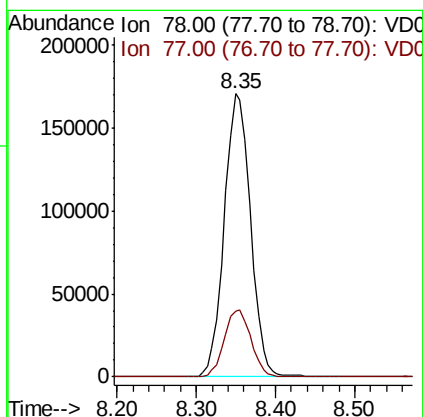
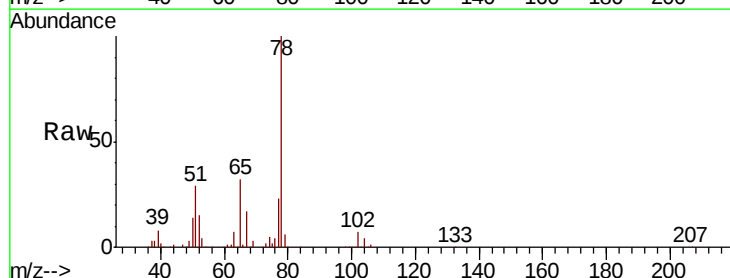
Instrument :
MSVOA_D
ClientSampled :

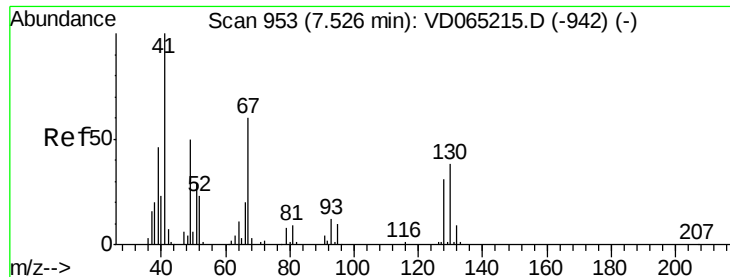
Tot Ion: 83 Resp: 154805
Ion Ratio Lower Upper
83 100
55 77.9 61.8 92.6
98 47.9 39.4 59.0



#40
Benzene
Concen: 20.592 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 78 Resp: 390741
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6

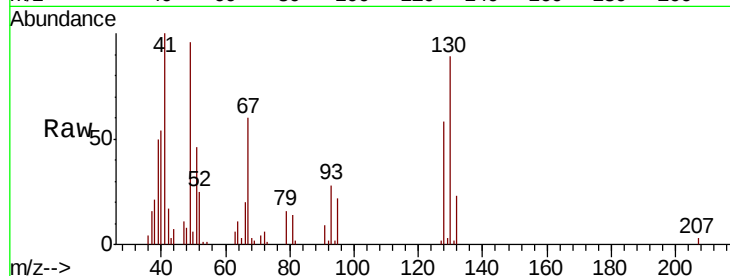




#41
Methacrylonitrile
Concen: 15.641 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	25381
Ion	Ratio	Lower	Upper
41	100		
39	68.0	48.1	72.1
67	86.6	58.9	88.3
52	35.6	24.2	36.2



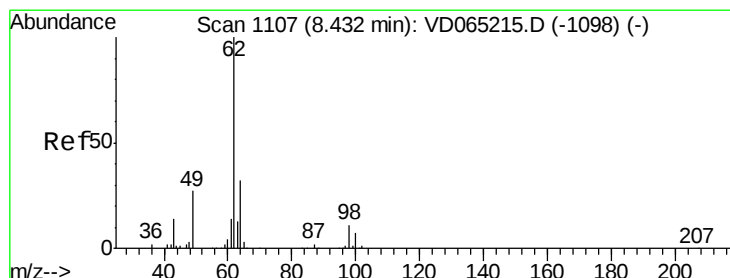
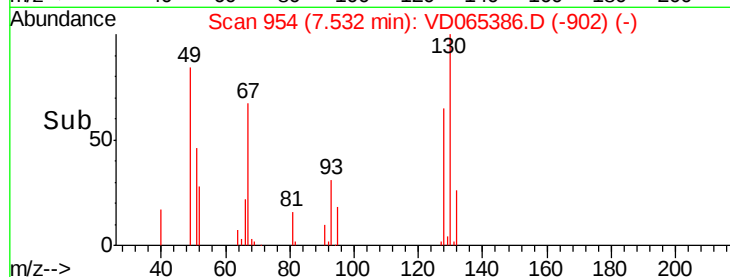
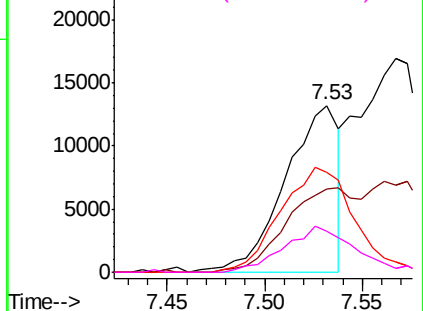
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

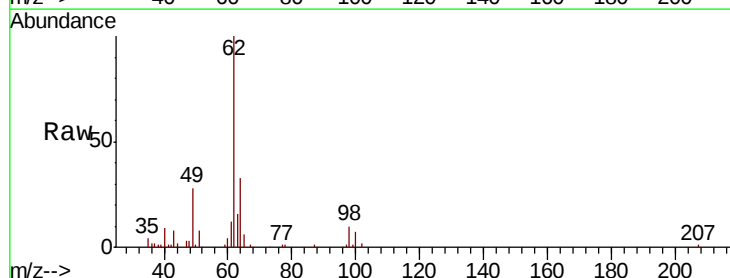
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 20.292 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

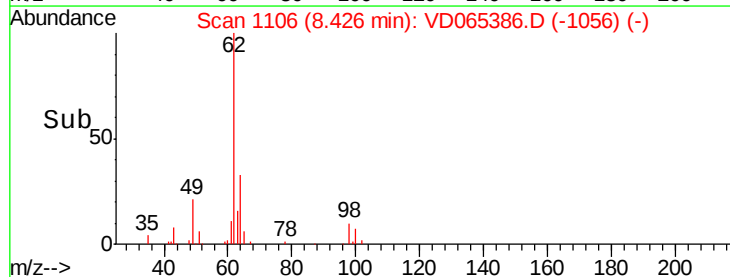
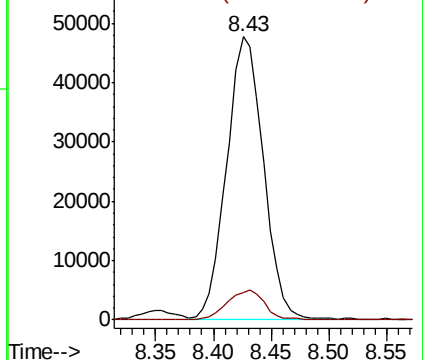
Tgt Ion:	62	Resp:	105855
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6

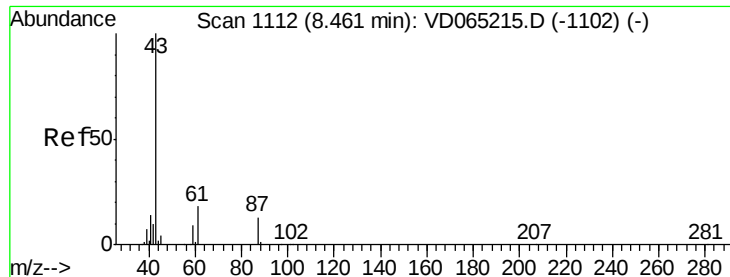


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.686 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

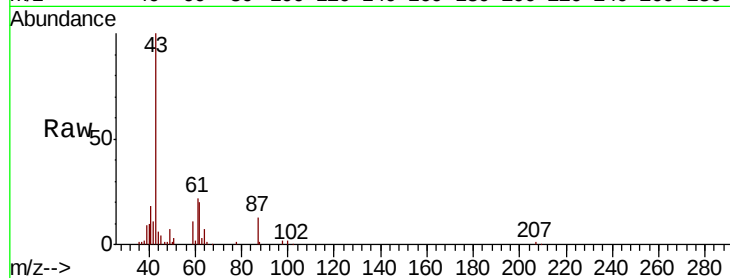
Tot Ion: 43 Resp: 95497

Ion Ratio Lower Upper

43 100

61 31.7 24.6 36.8

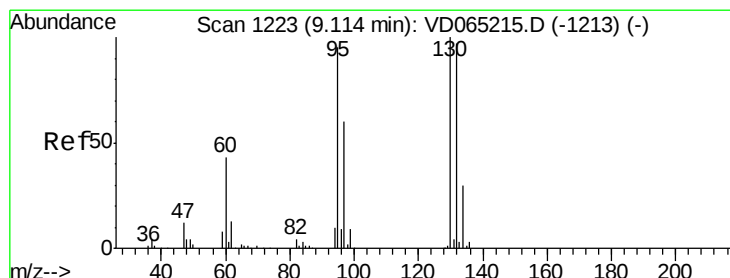
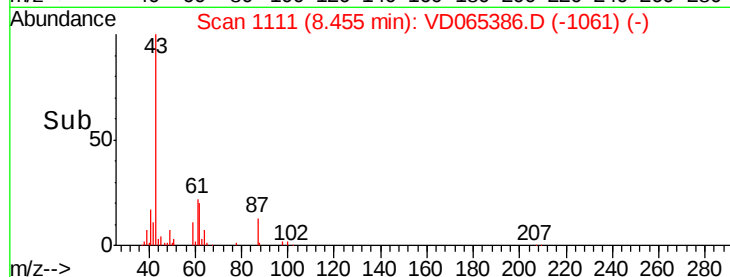
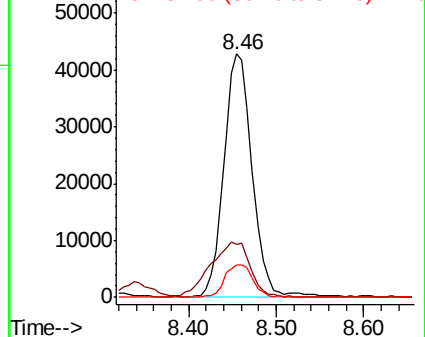
87 13.1 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.041 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065386.D

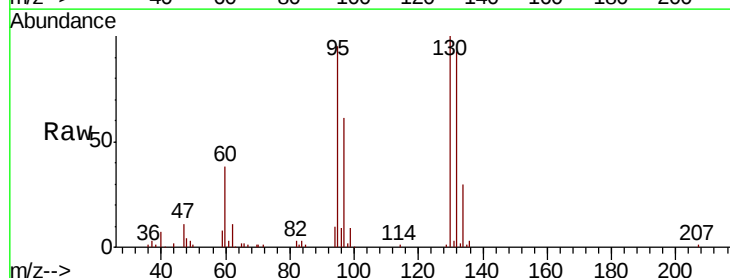
Acq: 03 Mar 2020 11:20

Tgt Ion:130 Resp: 110671

Ion Ratio Lower Upper

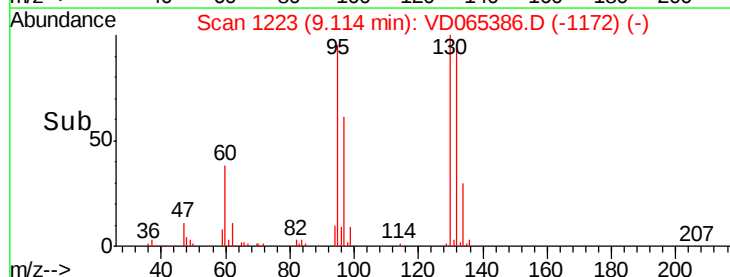
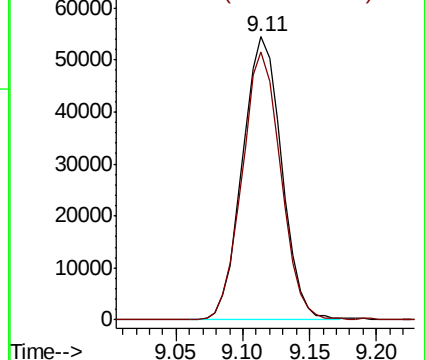
130 100

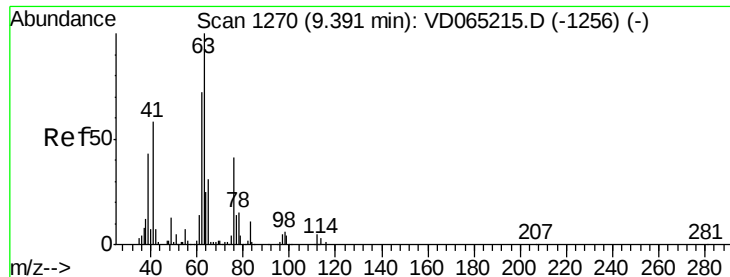
95 94.7 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

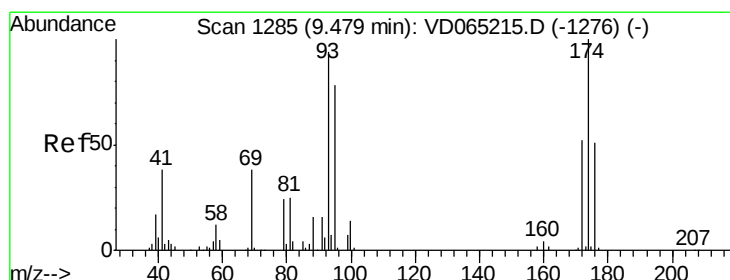
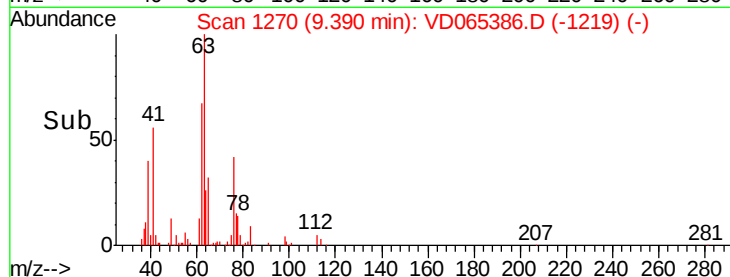
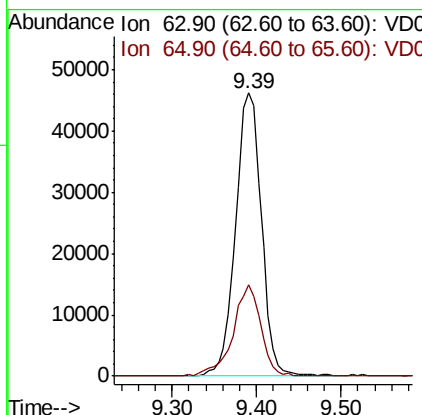
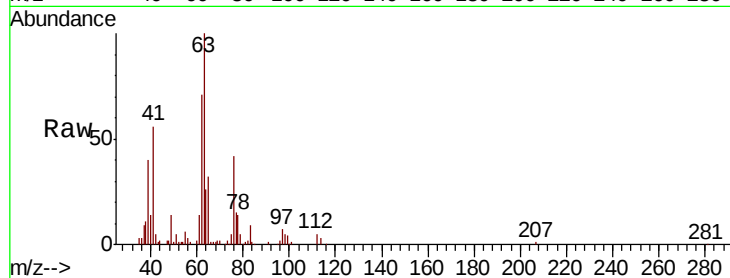




#45
 1,2-Dichloropropane
 Concen: 20.652 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

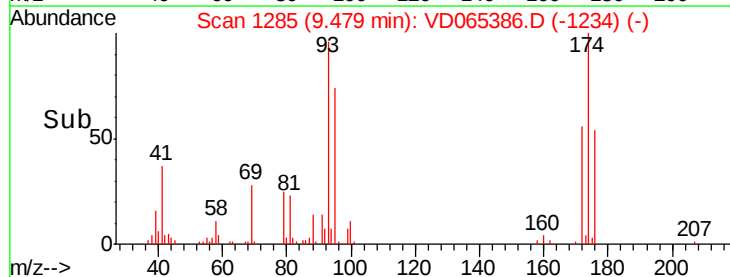
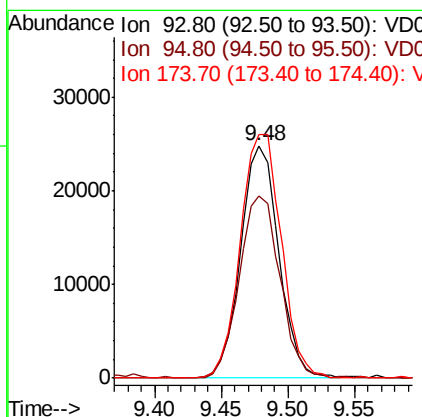
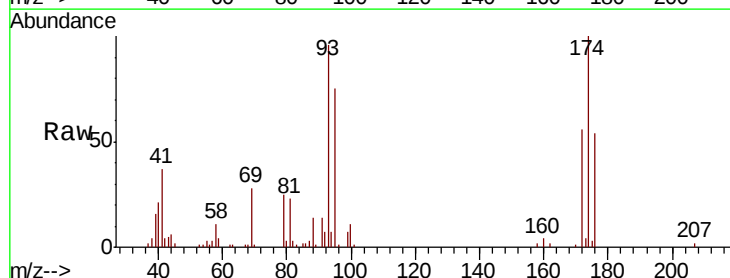
Instrument :
 MSVOA_D
 ClientSampled :

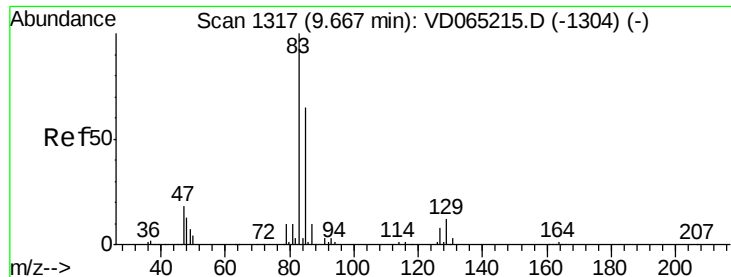
Tot Ion: 63 Resp: 97442
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.9 37.3



#46
 Dibromomethane
 Concen: 20.231 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion: 93 Resp: 49114
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.8 98.6
 174 112.2 86.8 130.2





#47

Bromodichloromethane

Concen: 20.675 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

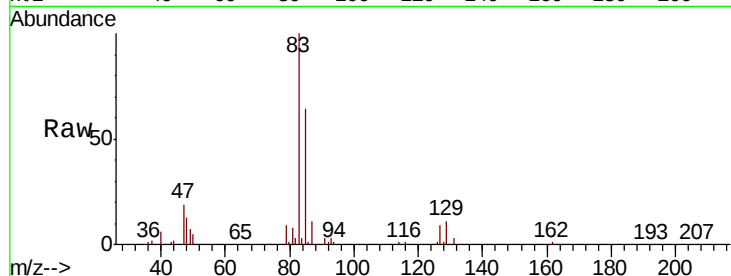
Tot Ion: 83 Resp: 132271

Ion Ratio Lower Upper

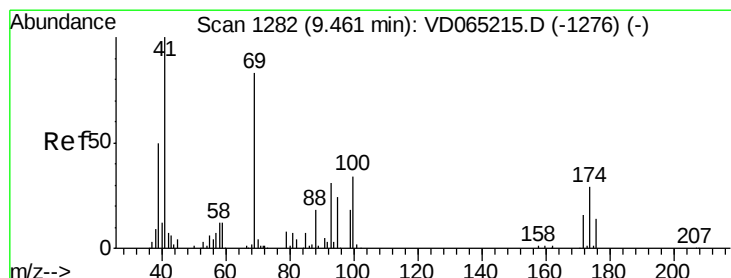
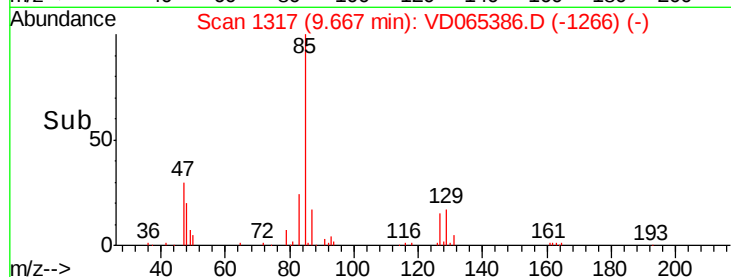
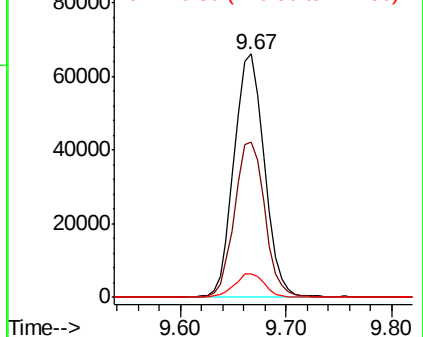
83 100

85 64.0 52.0 78.0

127 9.4 6.7 10.1



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



#48

Methyl methacrylate

Concen: 20.704 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

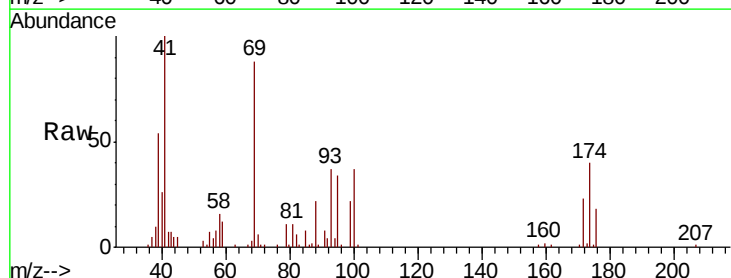
Tgt Ion: 41 Resp: 48908

Ion Ratio Lower Upper

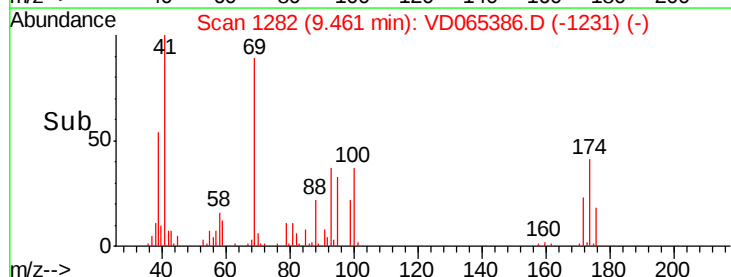
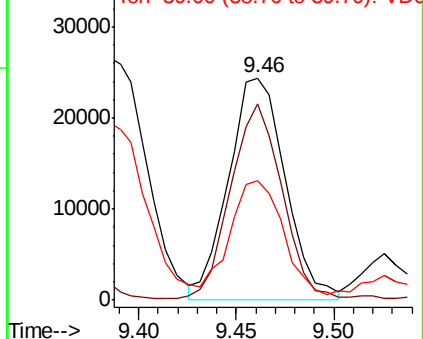
41 100

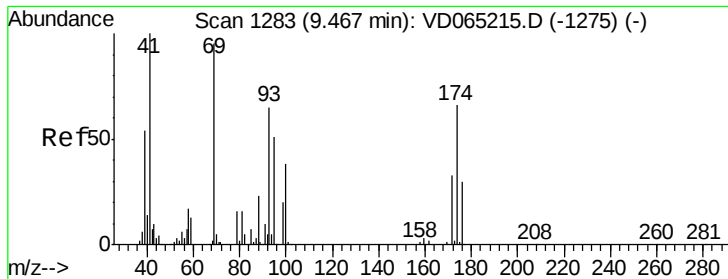
69 79.8 68.2 102.2

39 46.8 42.0 63.0



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

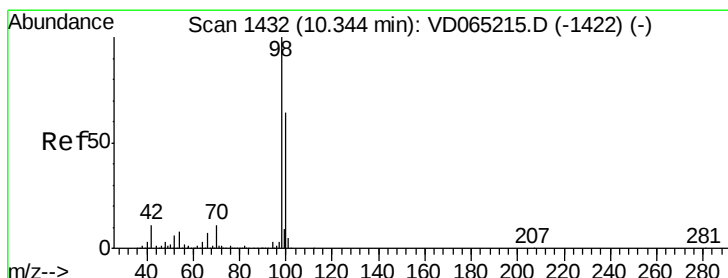
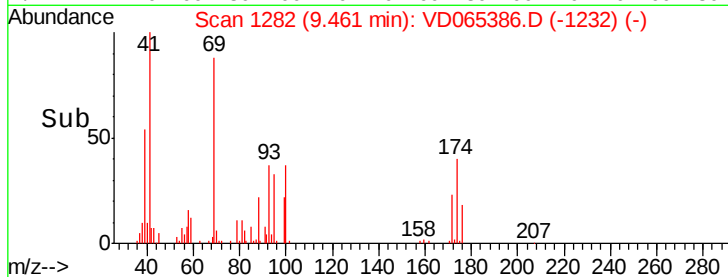
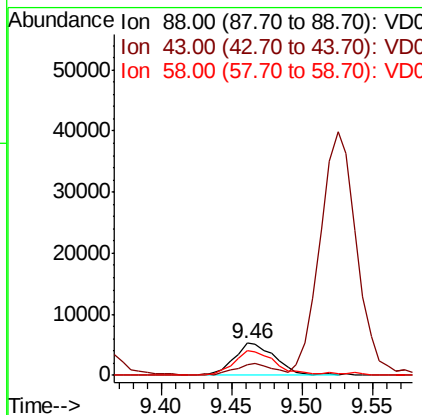
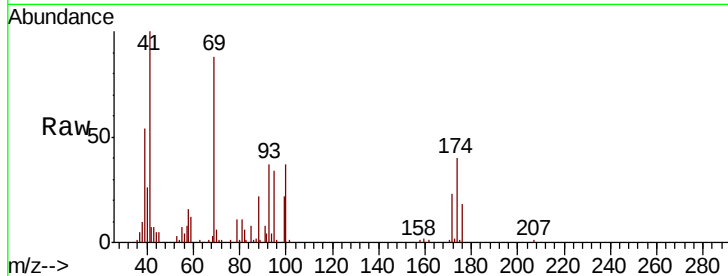




#49
1,4-Dioxane
Concen: 379.554 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

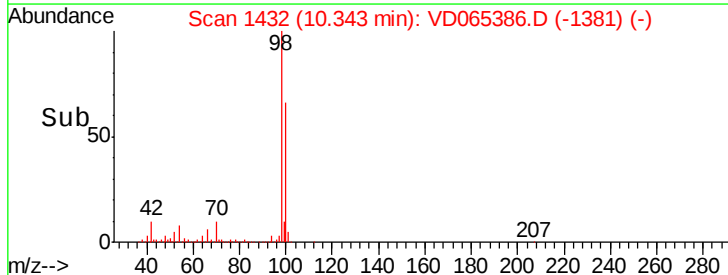
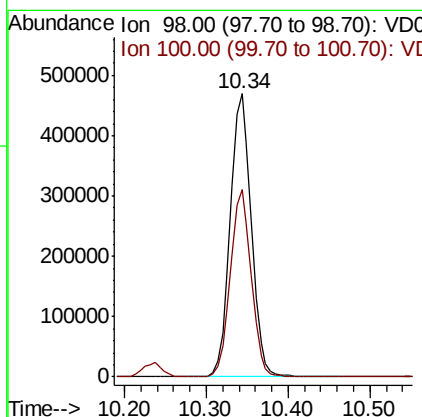
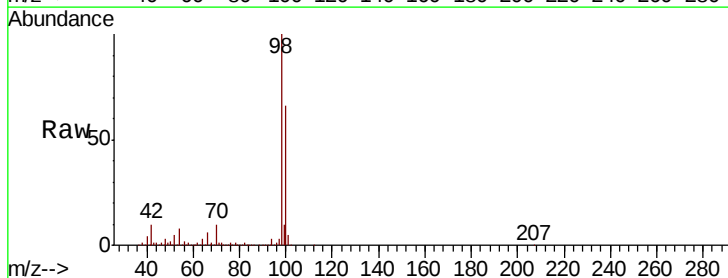
Instrument :
MSVOA_D
ClientSampleID :

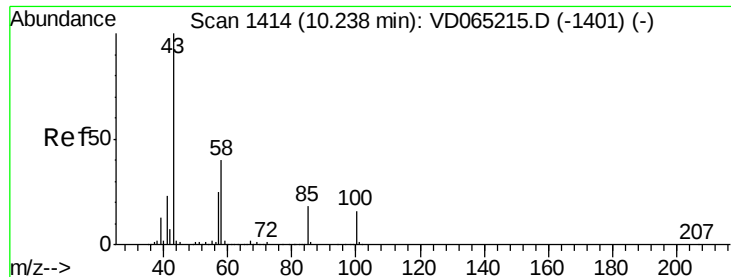
Tot Ion: 88 Resp: 10807
Ion Ratio Lower Upper
88 100
43 35.4 28.5 42.7
58 75.5 58.6 87.8



#50
Toluene-d8
Concen: 52.386 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 98 Resp: 843679
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0

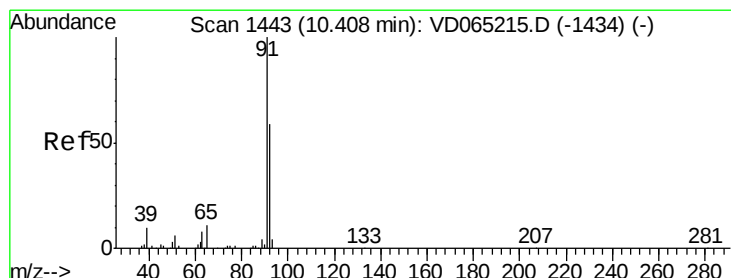
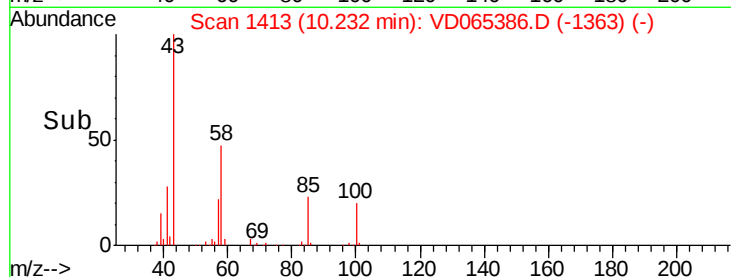
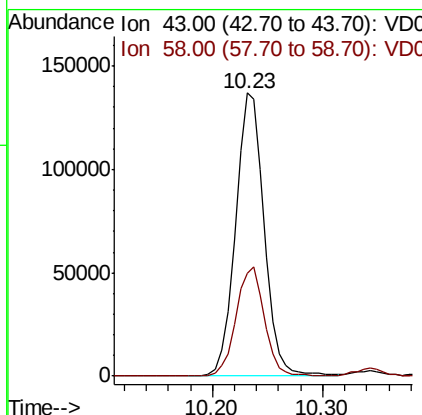
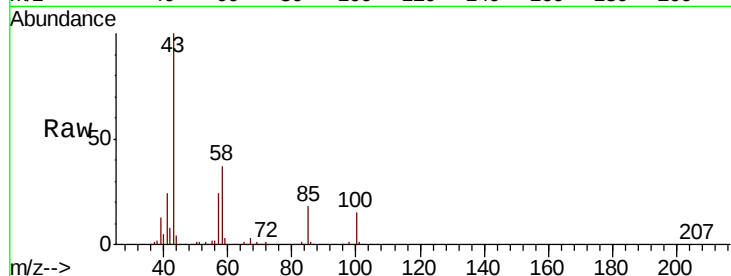




#51
4-Methyl-2-Pentanone
Concen: 96.025 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

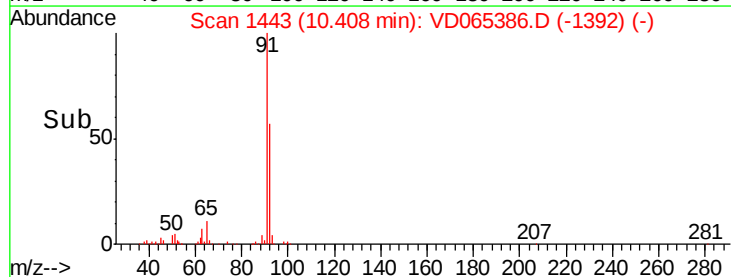
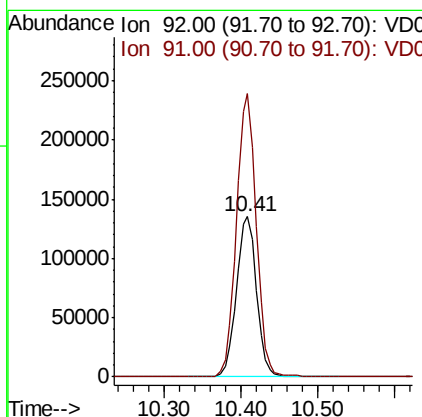
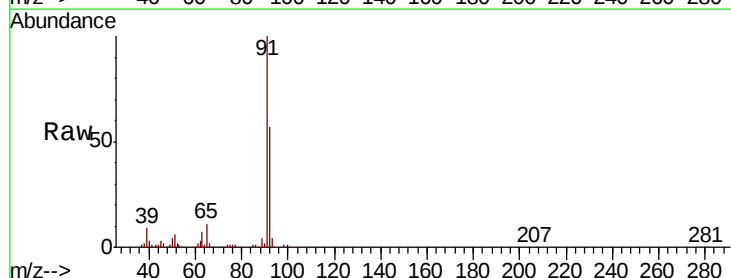
Instrument :
MSVOA_D
ClientSampleId :

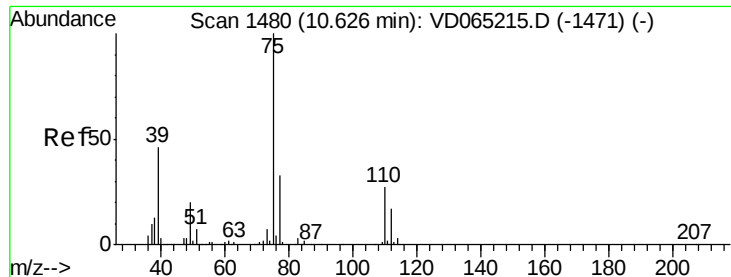
Tot Ion: 43 Resp: 249252
Ion Ratio Lower Upper
43 100
58 38.4 31.1 46.7



#52
Toluene
Concen: 21.112 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 92 Resp: 247970
Ion Ratio Lower Upper
92 100
91 174.4 136.3 204.5

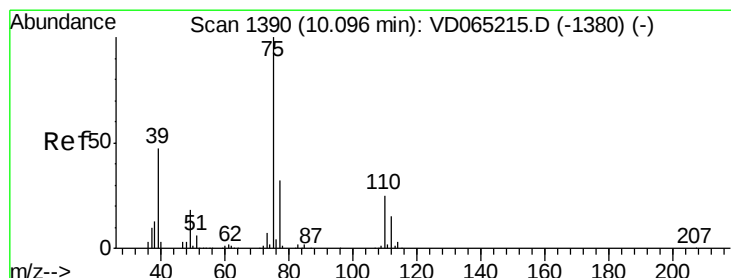
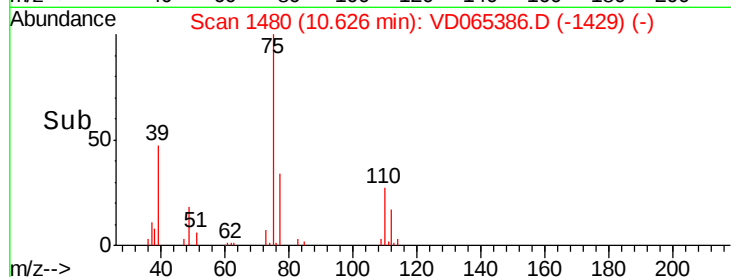
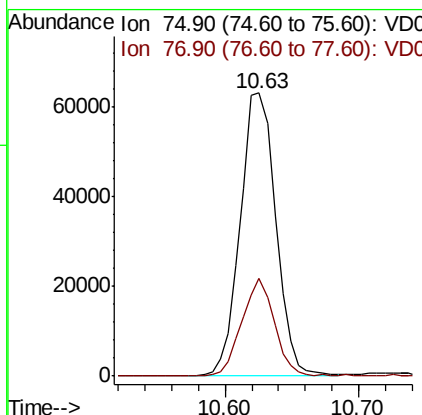
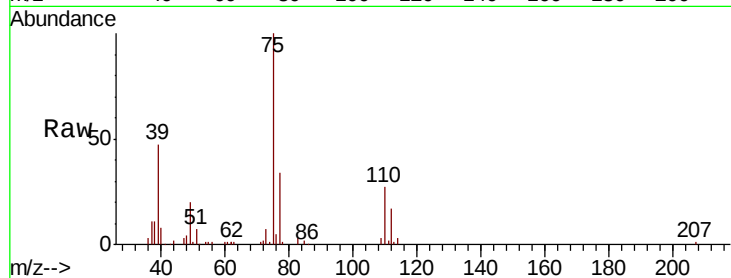




#53
t-1,3-Dichloropropene
Concen: 19.671 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

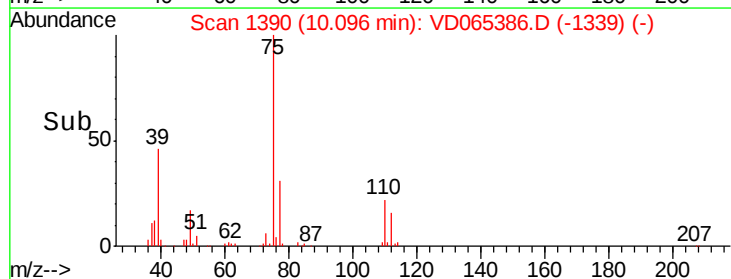
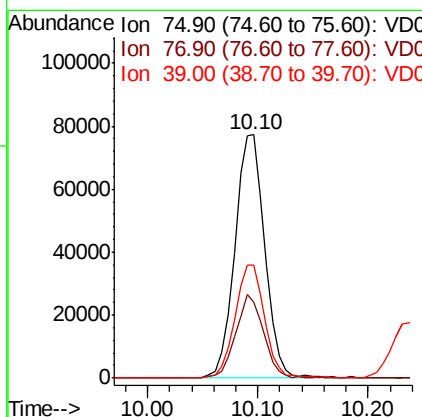
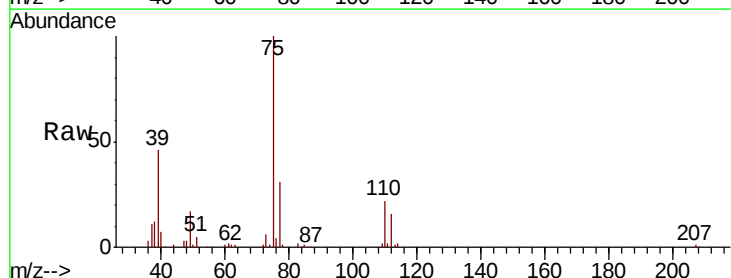
Instrument :
MSVOA_D
ClientSampleId :

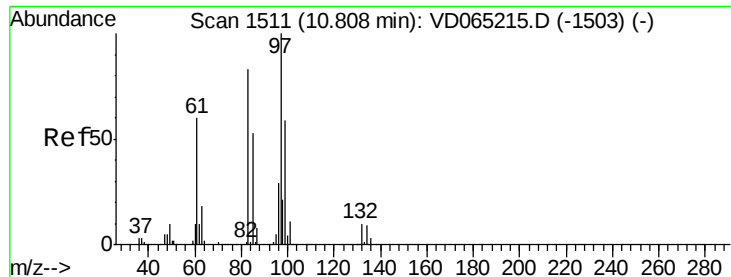
Tot Ion: 75 Resp: 116653
Ion Ratio Lower Upper
75 100
77 34.4 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 20.491 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 75 Resp: 146734
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.8
39 46.3 37.3 55.9

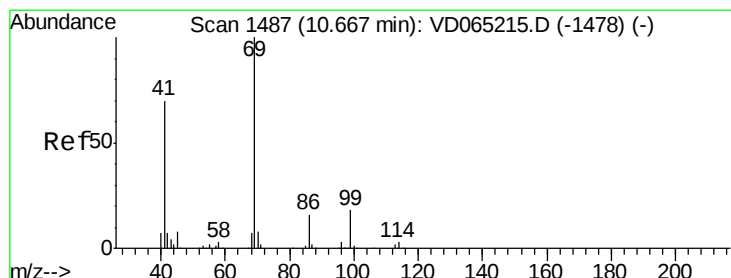
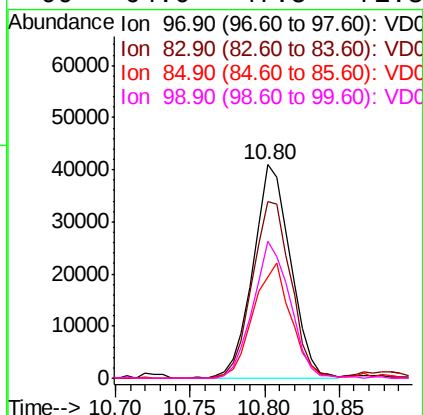
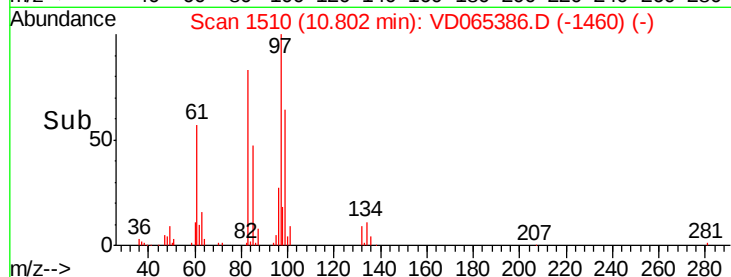
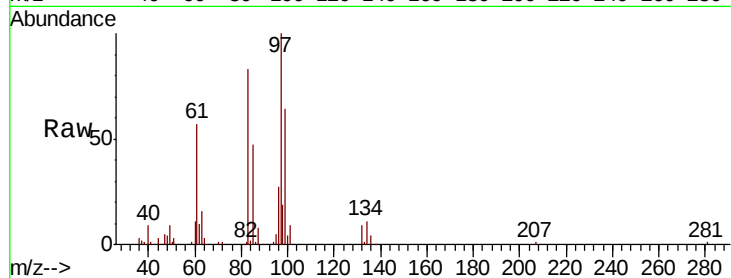




#55
 1,1,2-Trichloroethane
 Concen: 20.851 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

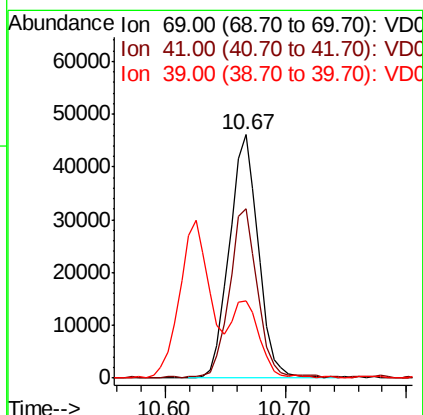
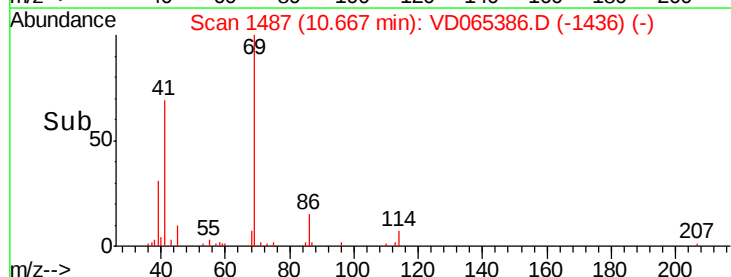
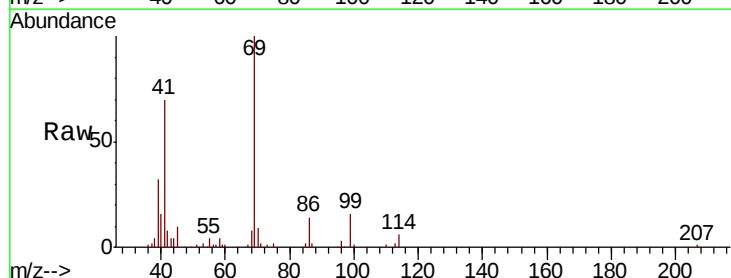
Instrument :
 MSVOA_D
 ClientSampleId :

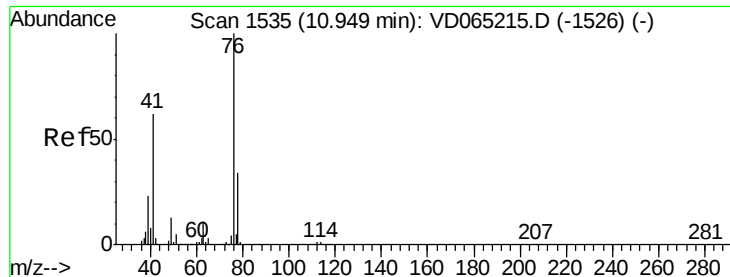
Tot Ion: 97 Resp: 71247
 Ion Ratio Lower Upper
 97 100
 83 82.8 66.7 100.1
 85 47.4 42.4 63.6
 99 64.0 47.5 71.3



#56
 Ethyl methacrylate
 Concen: 19.534 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion: 69 Resp: 77040
 Ion Ratio Lower Upper
 69 100
 41 67.4 54.6 81.8
 39 31.0 26.5 39.7





#57

1,3-Dichloropropane

Concen: 20.937 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

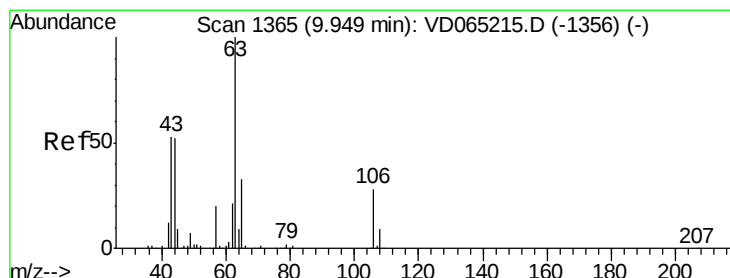
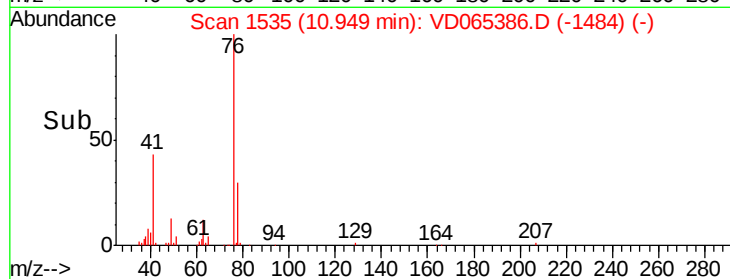
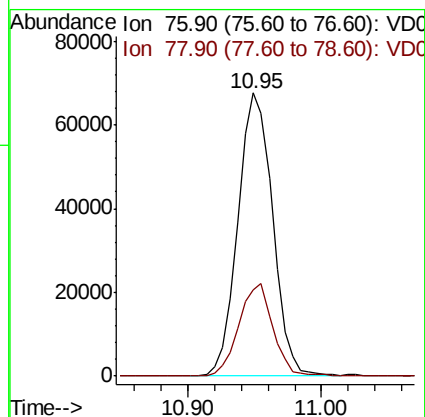
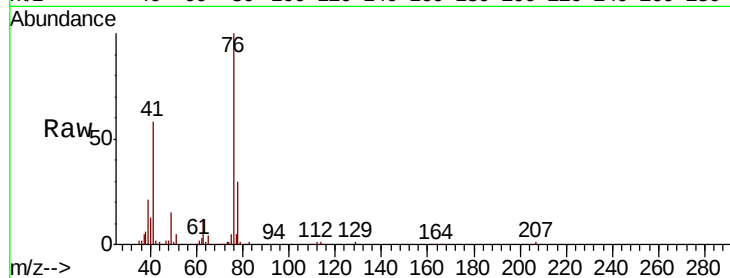
ClientSampleId :

Tot Ion: 76 Resp: 121762

Ion Ratio Lower Upper

76 100

78 31.8 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 89.841 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065386.D

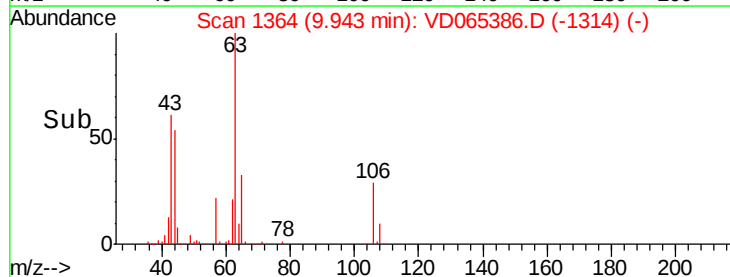
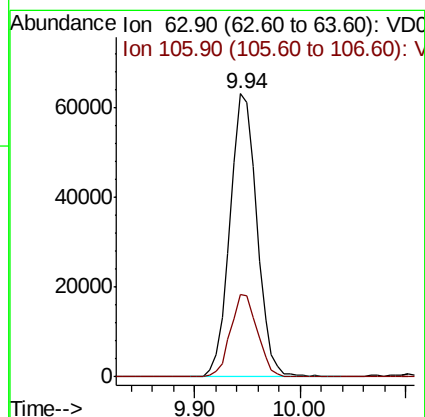
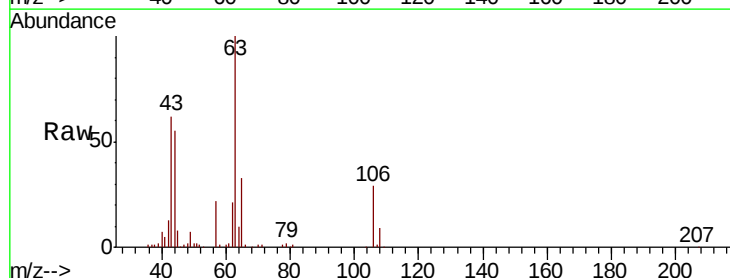
Acq: 03 Mar 2020 11:20

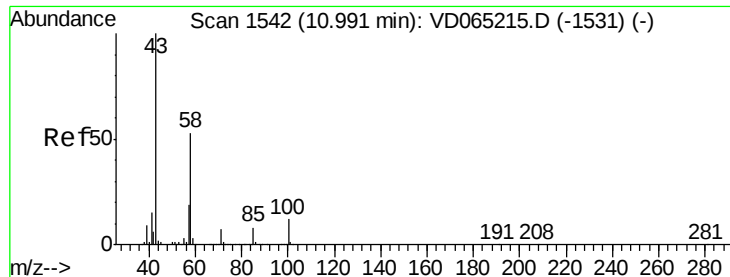
Tgt Ion: 63 Resp: 111709

Ion Ratio Lower Upper

63 100

106 29.0 22.8 34.2

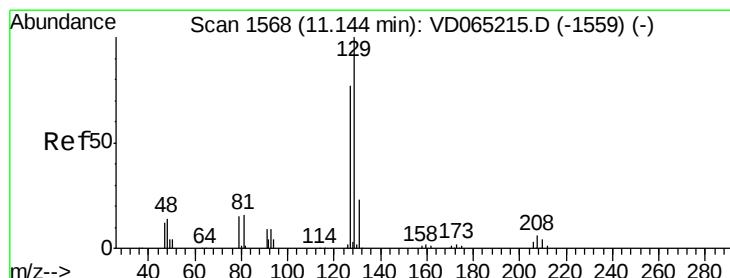
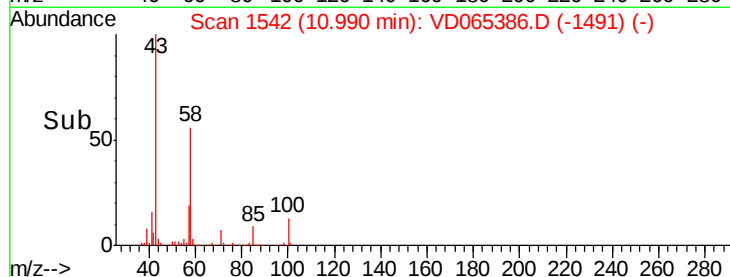
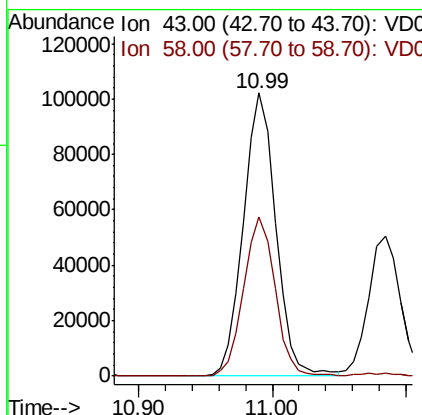
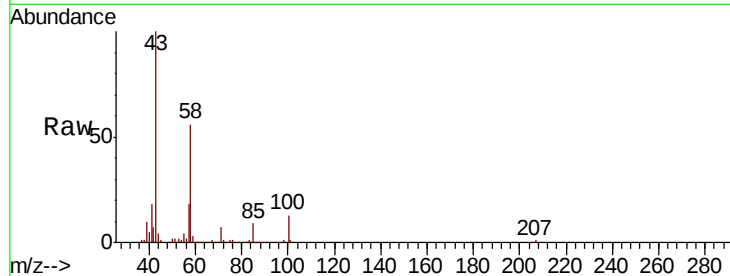




#59
2-Hexanone
Concen: 92.292 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

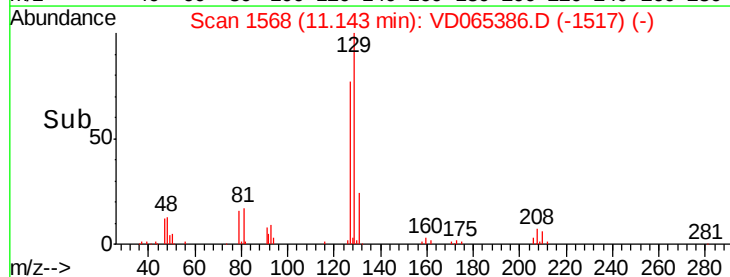
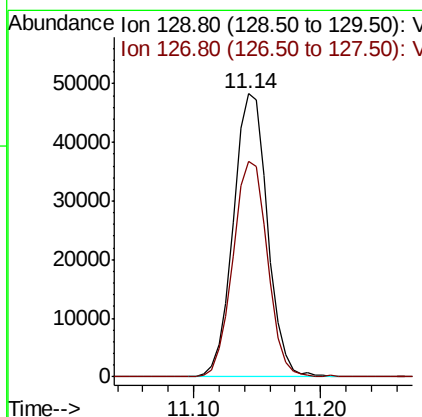
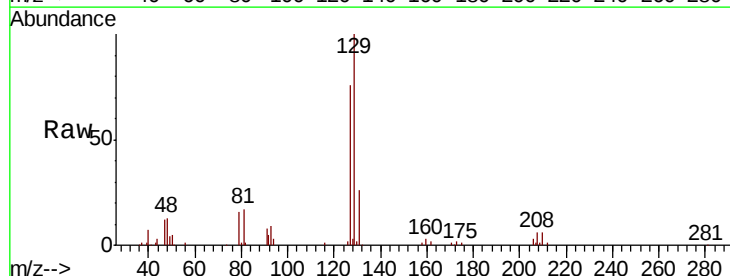
Instrument :
MSVOA_D
ClientSampled :

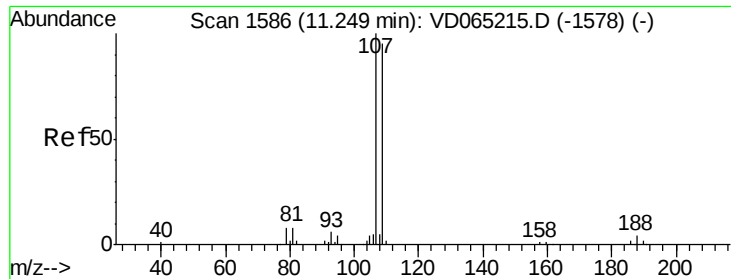
Tot Ion: 43 Resp: 171488
Ion Ratio Lower Upper
43 100
58 54.7 26.3 78.8



#60
Dibromochloromethane
Concen: 20.589 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 129 Resp: 90046
Ion Ratio Lower Upper
129 100
127 76.6 38.7 116.1

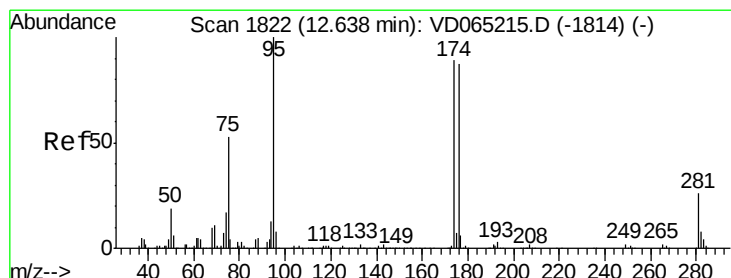
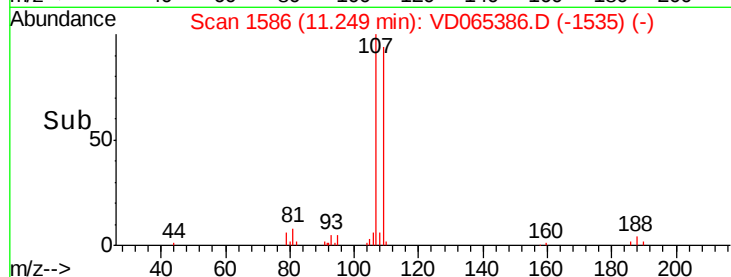
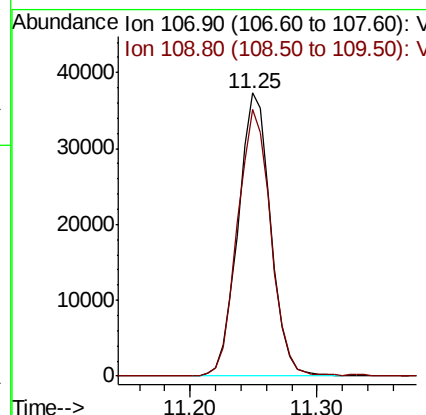
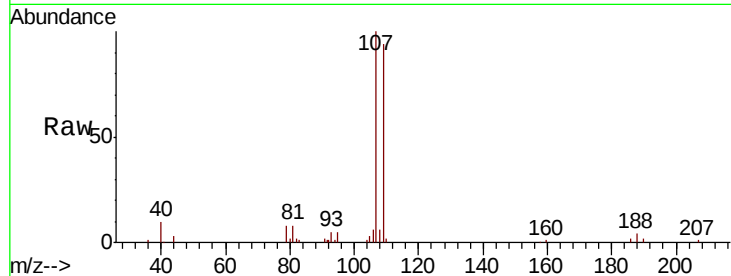




#61
 1,2-Dibromoethane
 Concen: 20.419 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

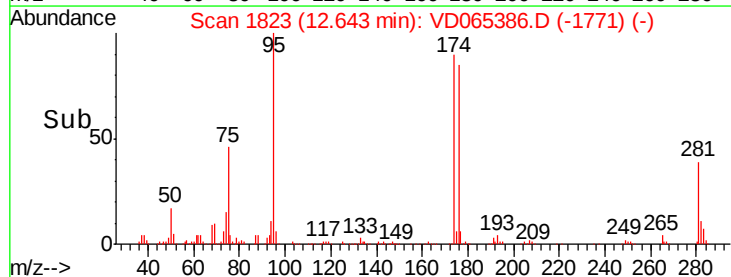
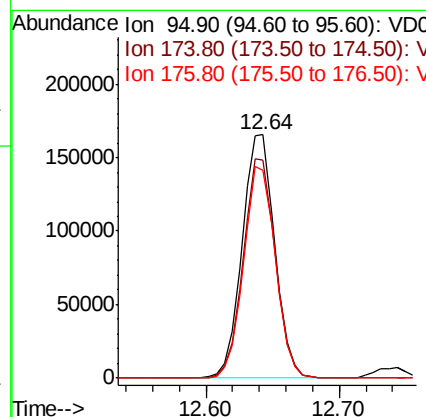
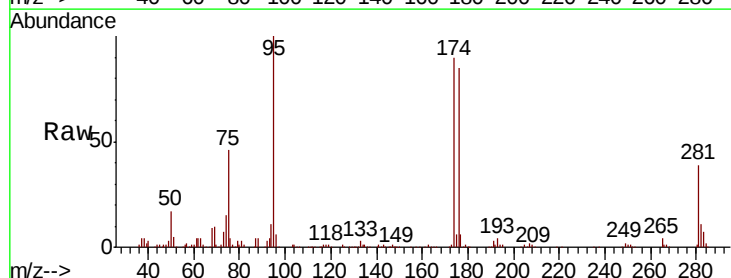
Instrument :
 MSVOA_D
 ClientSampleId :

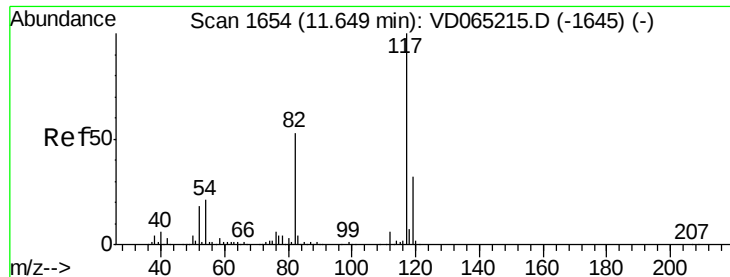
Tot Ion:107 Resp: 66061
 Ion Ratio Lower Upper
 107 100
 109 96.6 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 54.408 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion: 95 Resp: 277586
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 178.0
 176 85.4 0.0 174.4

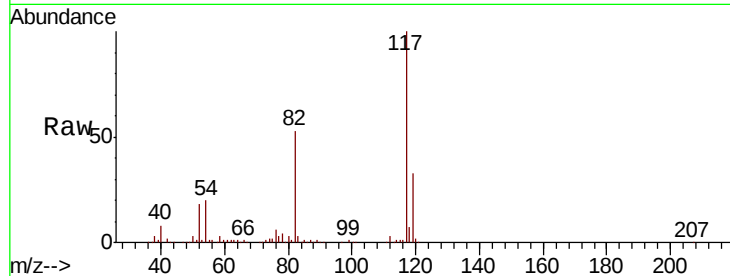




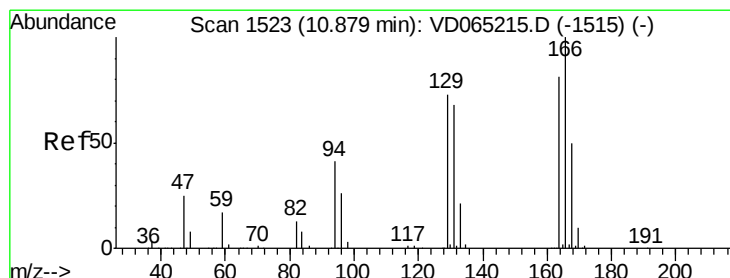
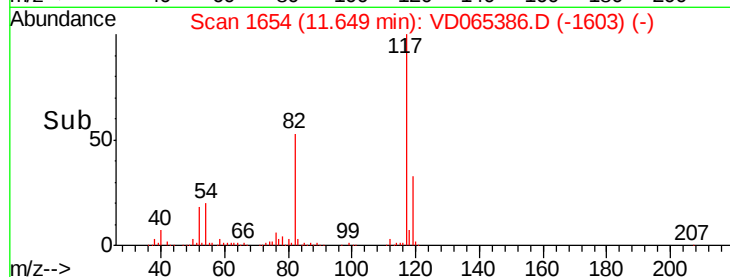
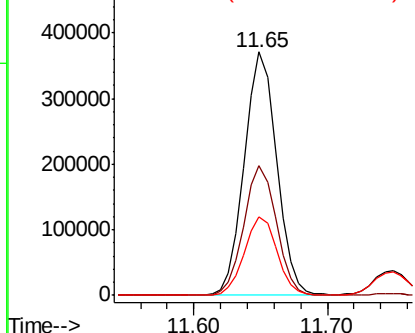
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 624134
Ion Ratio Lower Upper
117 100
82 53.0 42.7 64.1
119 32.5 25.5 38.3

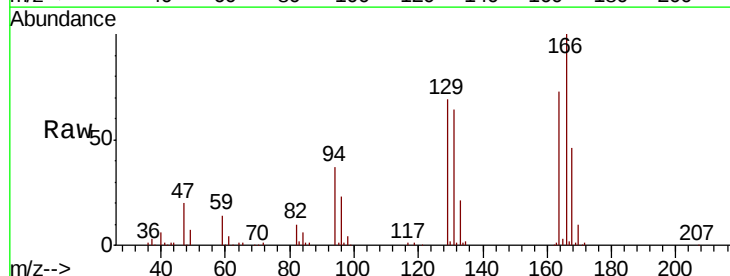


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

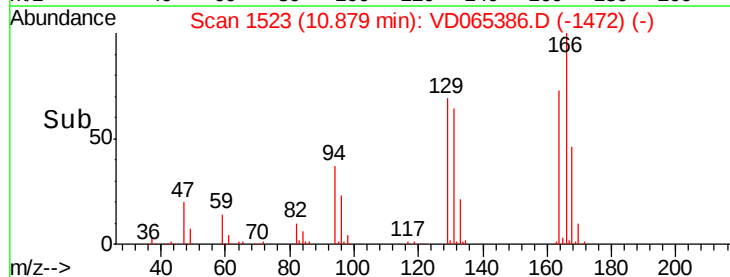
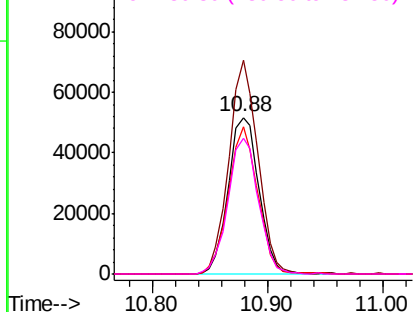


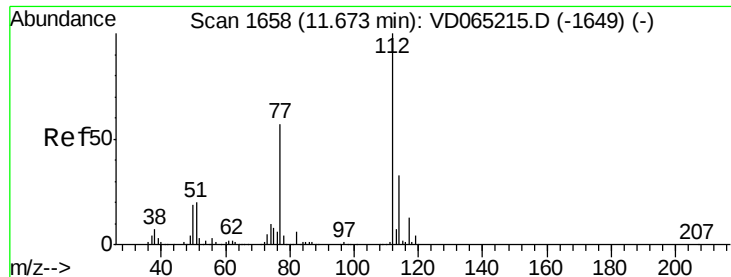
#64
Tetrachloroethene
Concen: 21.572 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion:164 Resp: 95488
Ion Ratio Lower Upper
164 100
166 136.3 98.4 147.6
129 94.0 71.6 107.4
131 86.7 67.3 100.9



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

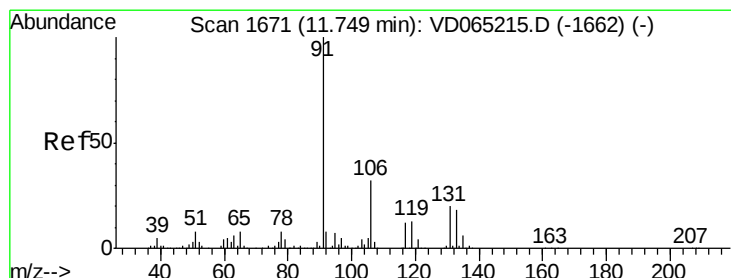
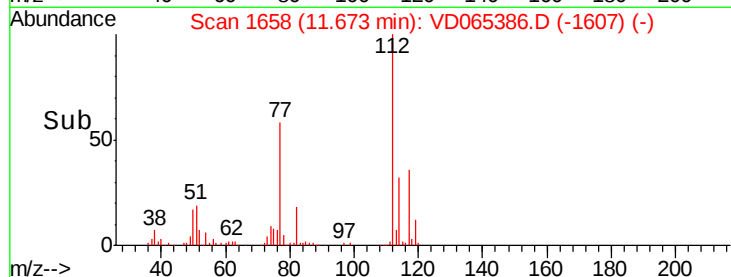
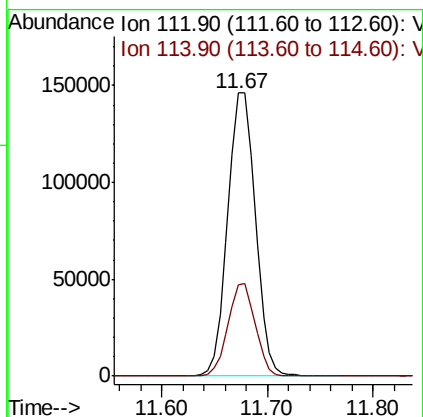
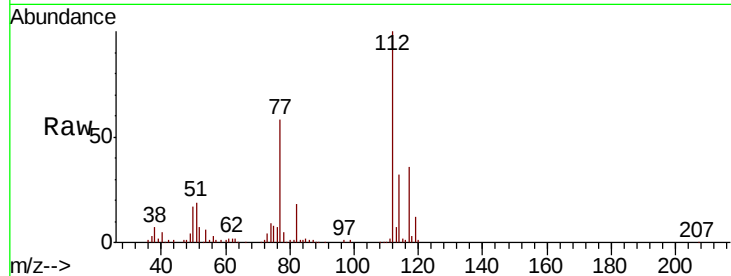




#65
Chlorobenzene
Concen: 21.219 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

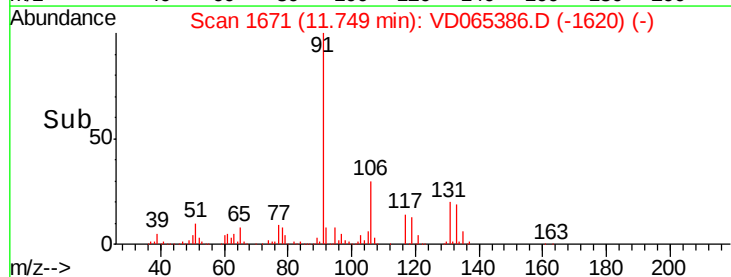
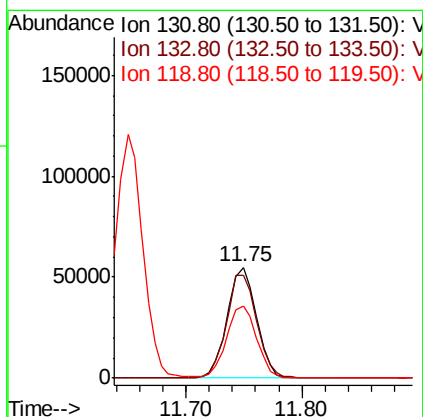
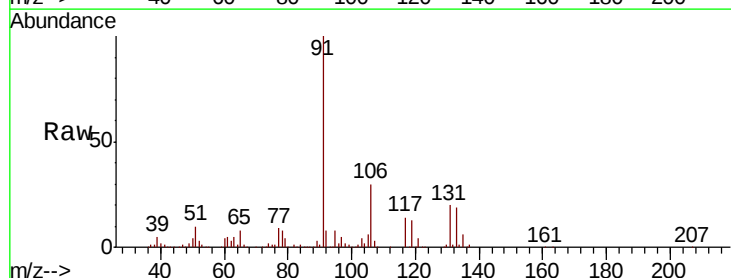
Instrument :
MSVOA_D
ClientSampled :

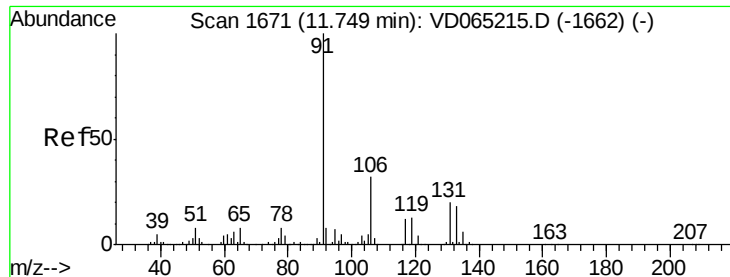
Tot Ion:112 Resp: 265763
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.691 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion:131 Resp: 96709
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 67.7 32.7 98.1





#67

Ethyl Benzene

Concen: 20.586 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

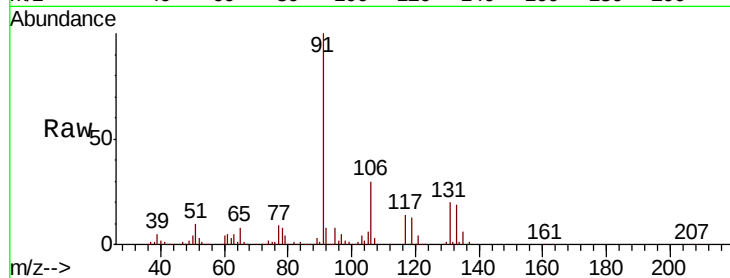
ClientSampleId :

Tot Ion: 91 Resp: 451575

Ion Ratio Lower Upper

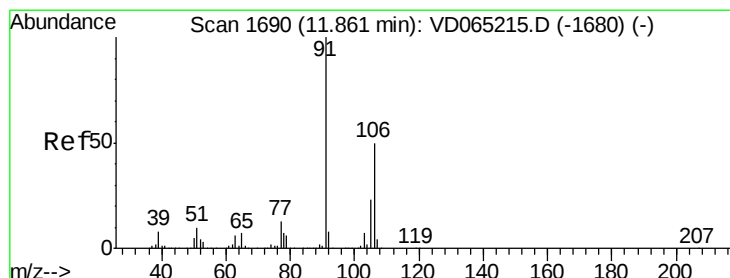
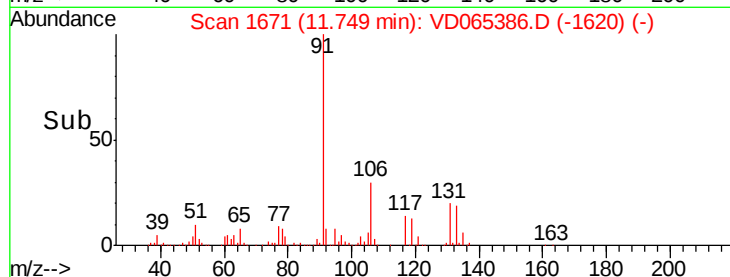
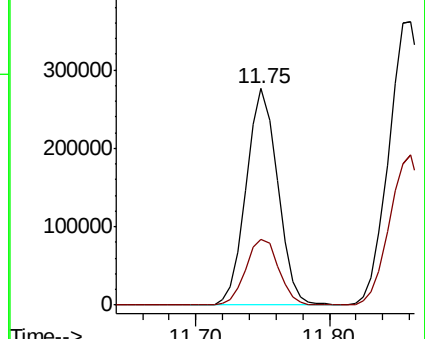
91 100

106 30.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 42.927 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065386.D

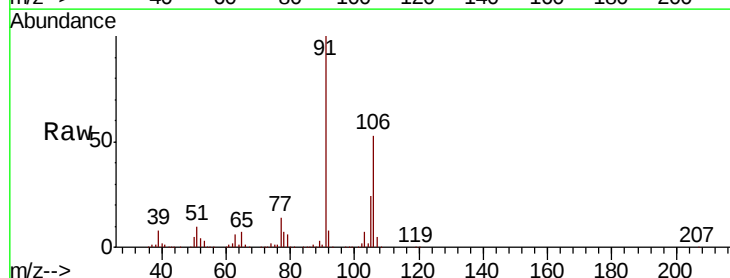
Acq: 03 Mar 2020 11:20

Tgt Ion: 106 Resp: 360266

Ion Ratio Lower Upper

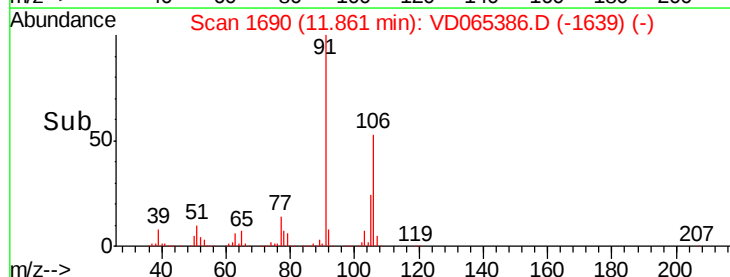
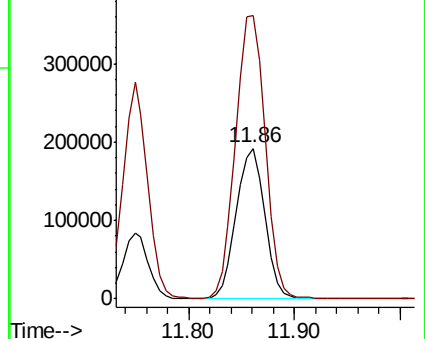
106 100

91 195.5 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

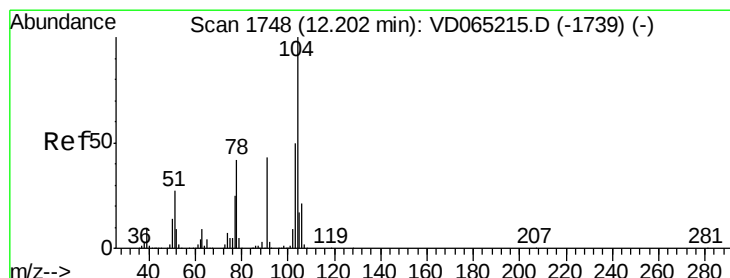
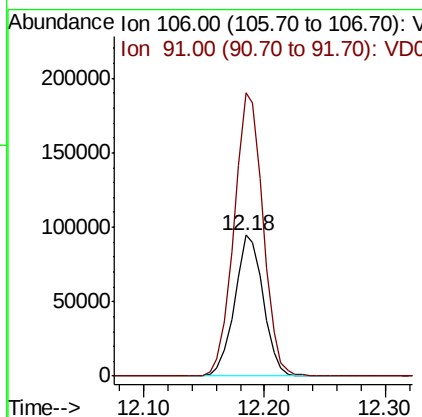
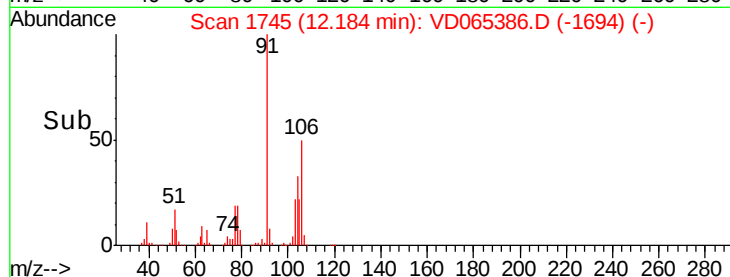
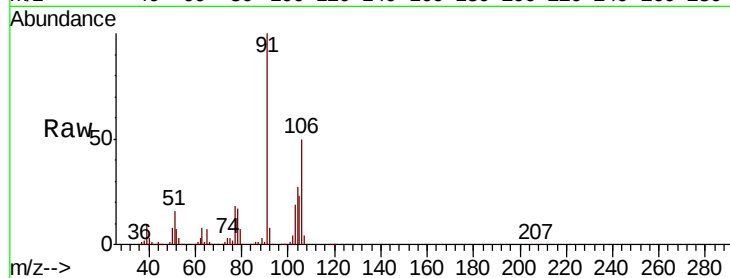




#69
o-Xylene
Concen: 21.039 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

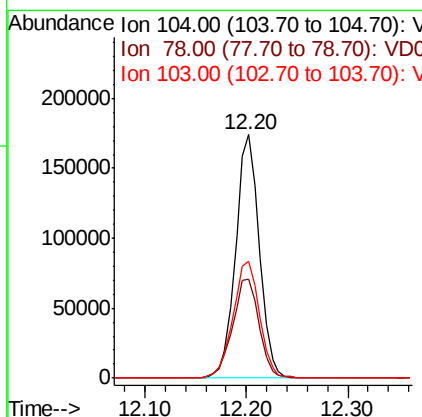
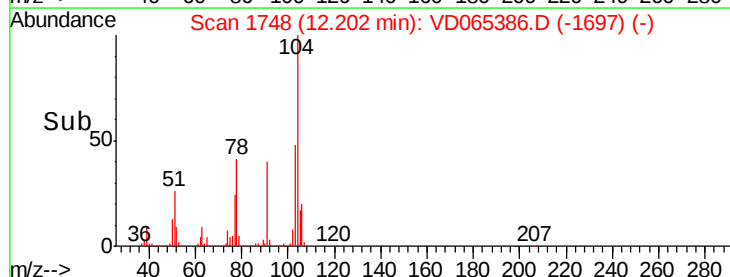
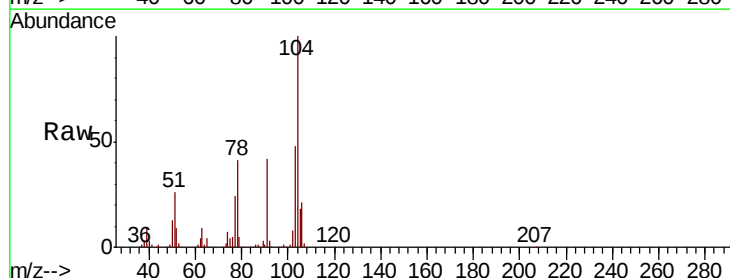
Instrument :
MSVOA_D
ClientSampleId :

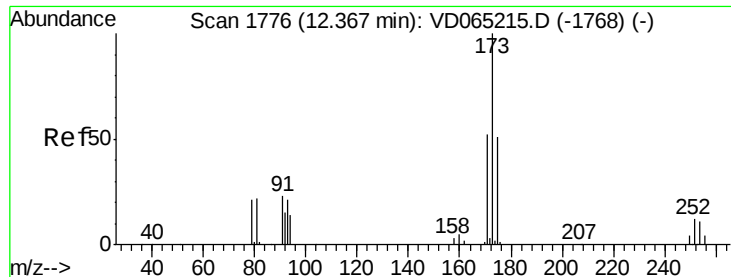
Tot Ion:106 Resp: 156430
Ion Ratio Lower Upper
106 100
91 203.5 104.7 313.9



#70
Styrene
Concen: 21.390 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion:104 Resp: 282374
Ion Ratio Lower Upper
104 100
78 45.8 37.8 56.6
103 53.6 43.4 65.2





#71

Bromoform

Concen: 20.977 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

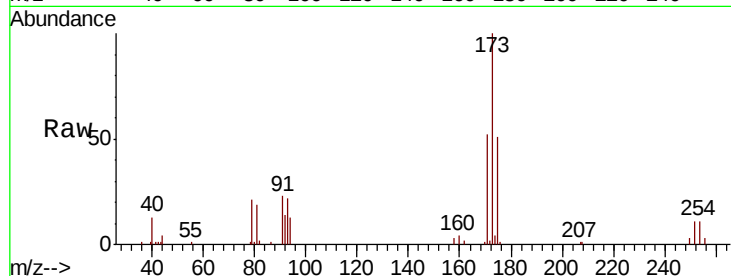
Tot Ion:173 Resp: 54405

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.4

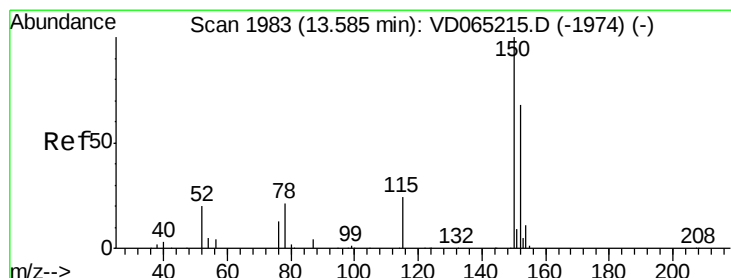
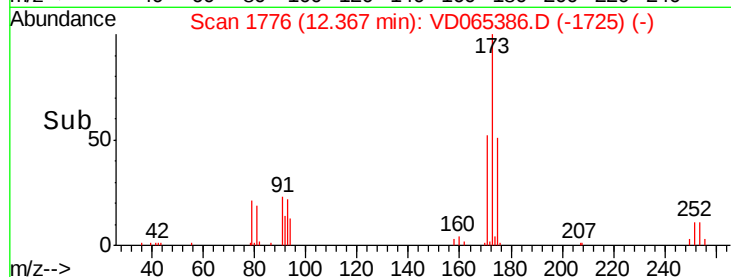
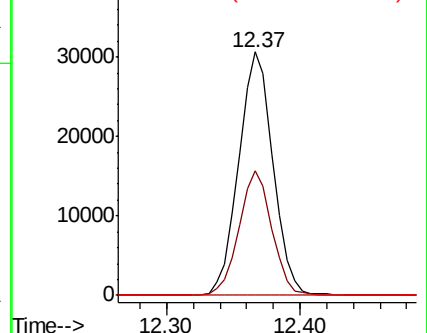
254 0.0 0.0 0.0



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: VD065386.D

Acq: 03 Mar 2020 11:20

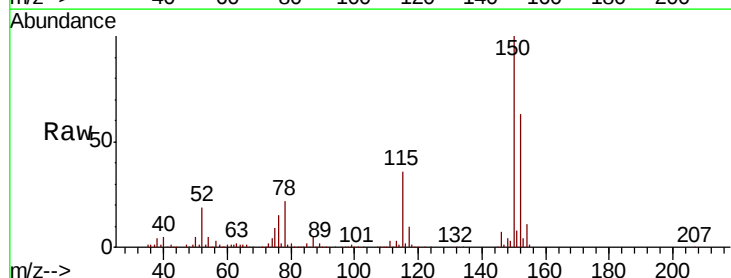
Tgt Ion:152 Resp: 315149

Ion Ratio Lower Upper

152 100

115 55.8 27.6 82.8

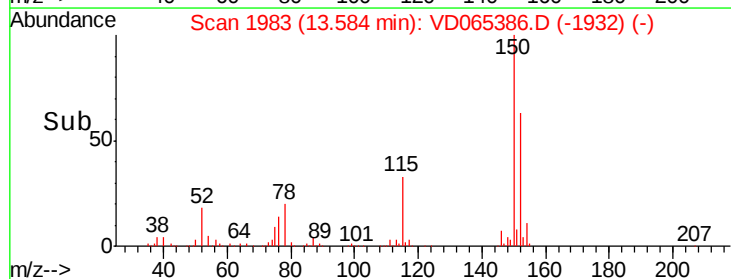
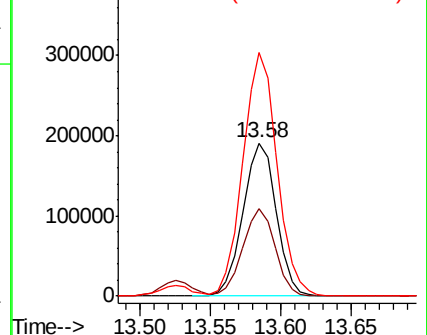
150 163.3 0.0 347.4

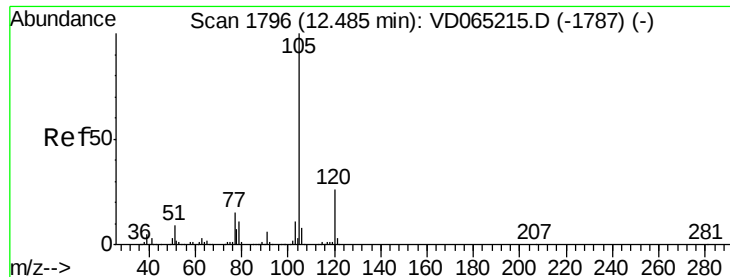


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.722 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

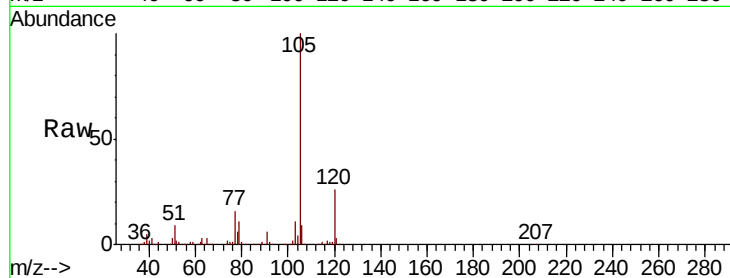
ClientSampleId :

Tot Ion:105 Resp: 432348

Ion Ratio Lower Upper

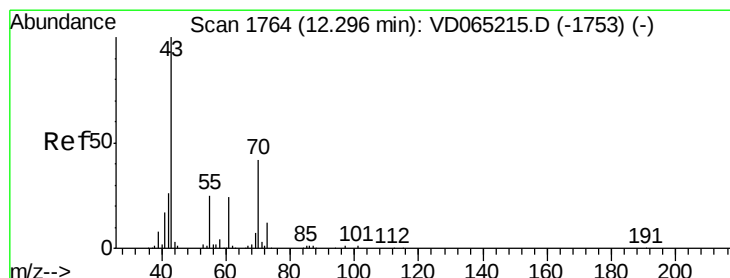
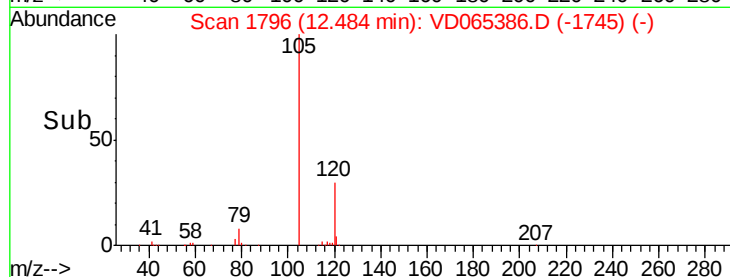
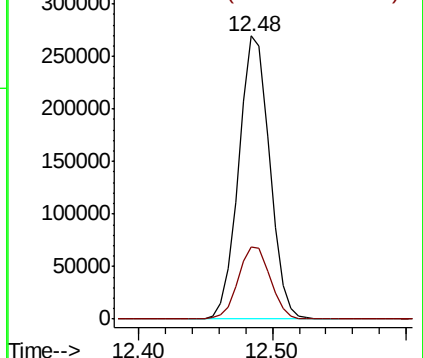
105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.487 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Tgt Ion: 43 Resp: 85711

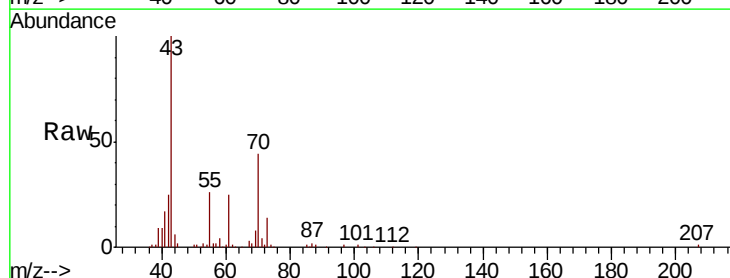
Ion Ratio Lower Upper

43 100

70 44.3 33.7 50.5

55 28.5 20.7 31.1

61 25.1 19.0 28.4

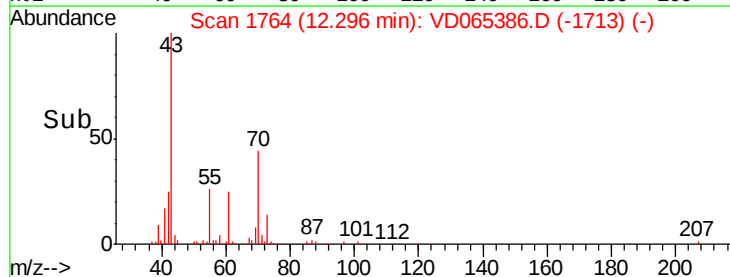
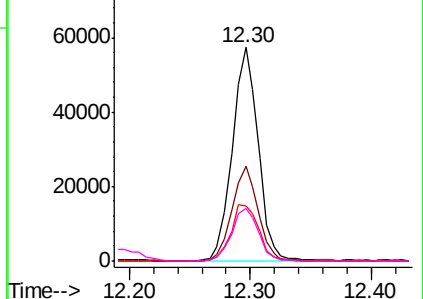


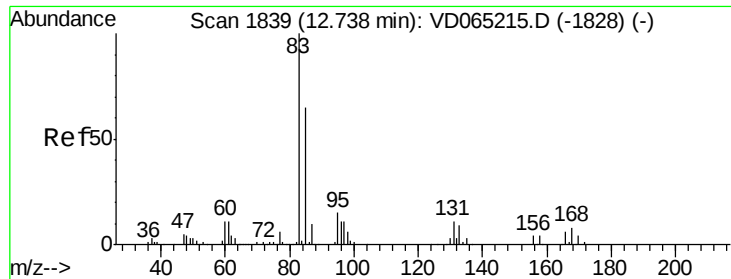
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.964 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

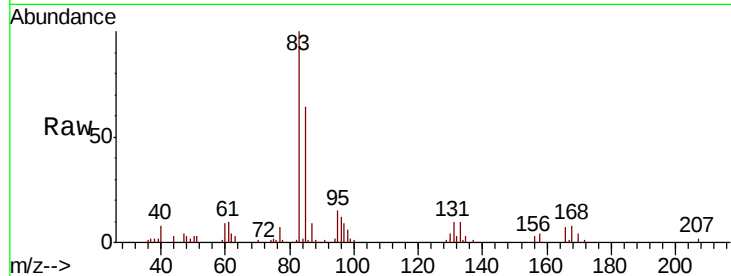
Tot Ion: 83 Resp: 75175

Ion Ratio Lower Upper

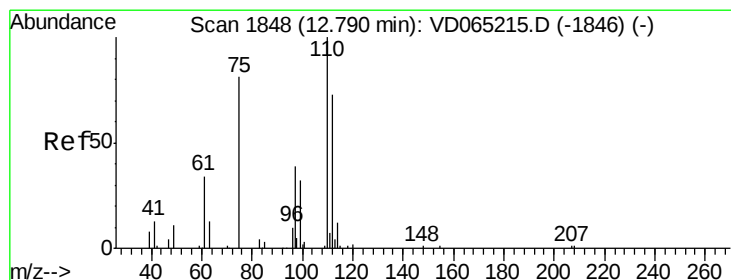
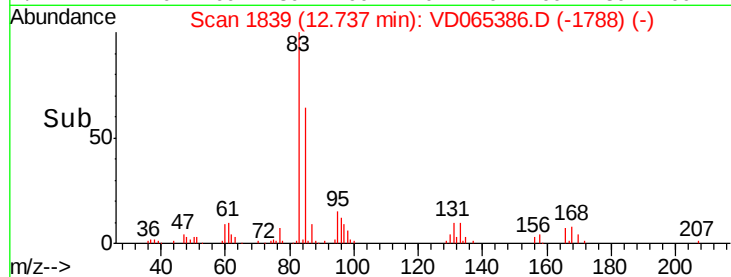
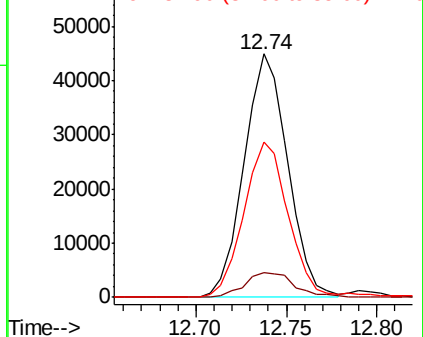
83 100

131 11.5 5.4 16.2

85 65.7 31.6 94.8



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: 36.304 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065386.D

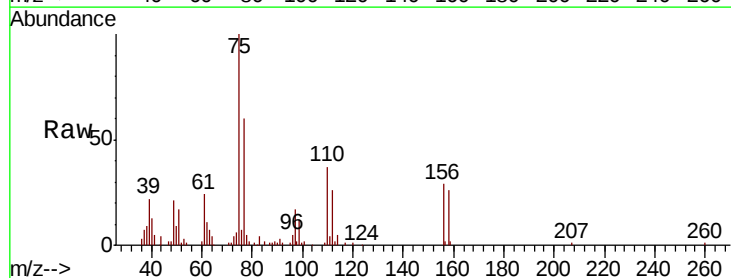
Acq: 03 Mar 2020 11:20

Tgt Ion: 75 Resp: 97344

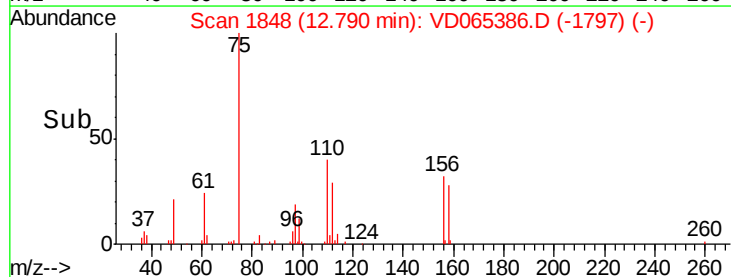
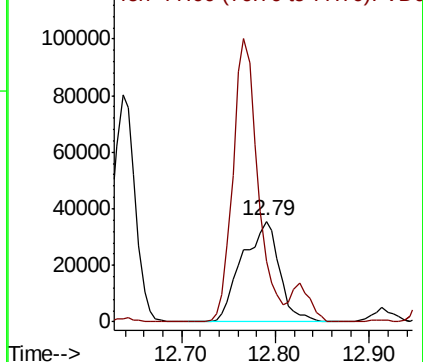
Ion Ratio Lower Upper

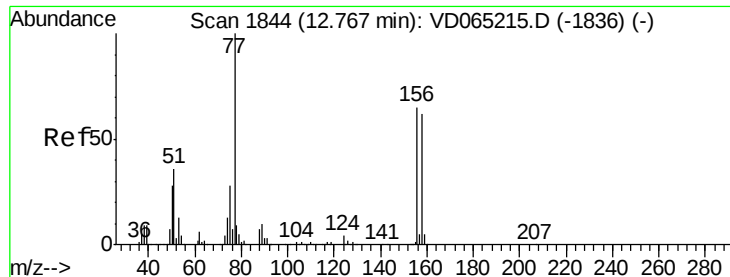
75 100

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: 20.496 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

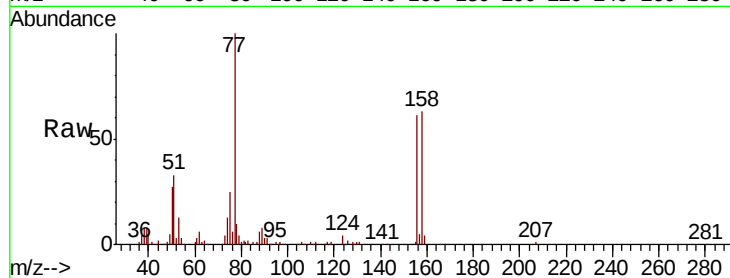
Tot Ion:156 Resp: 106189

Ion Ratio Lower Upper

156 100

77 174.4 86.6 259.7

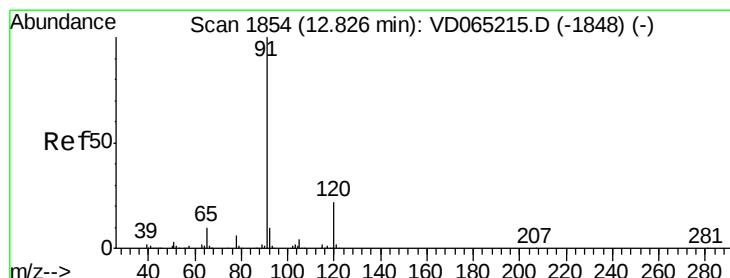
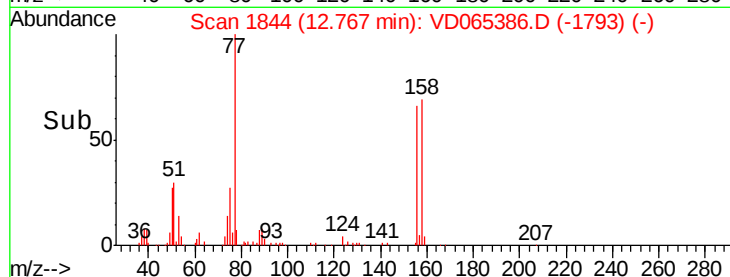
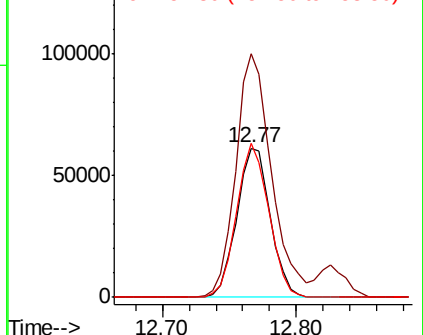
158 99.7 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.944 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065386.D

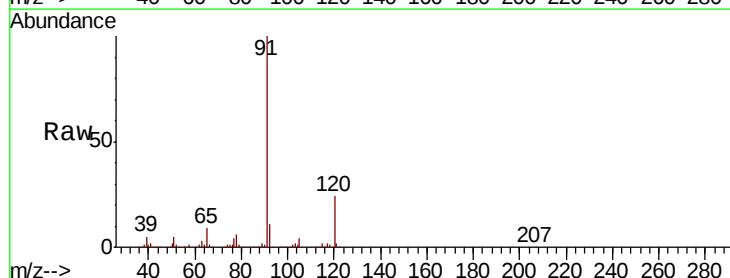
Acq: 03 Mar 2020 11:20

Tgt Ion: 91 Resp: 525140

Ion Ratio Lower Upper

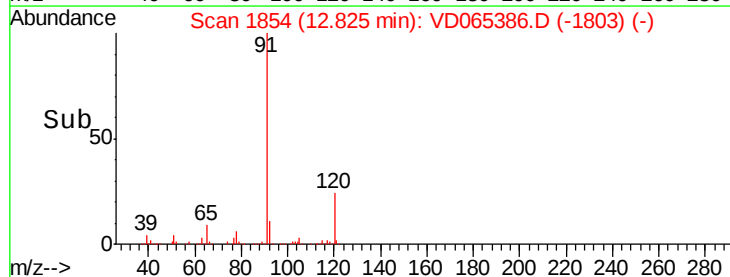
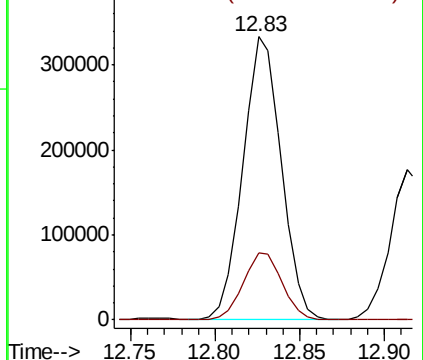
91 100

120 24.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

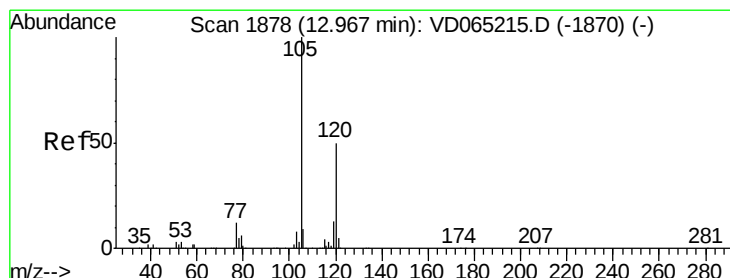
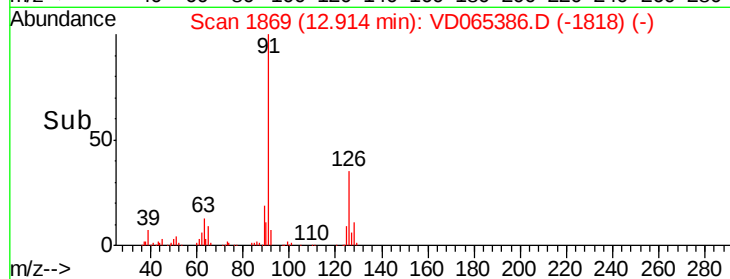
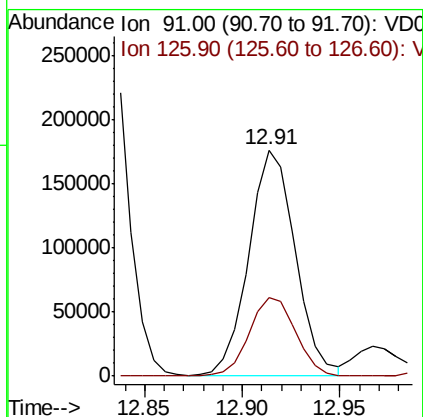
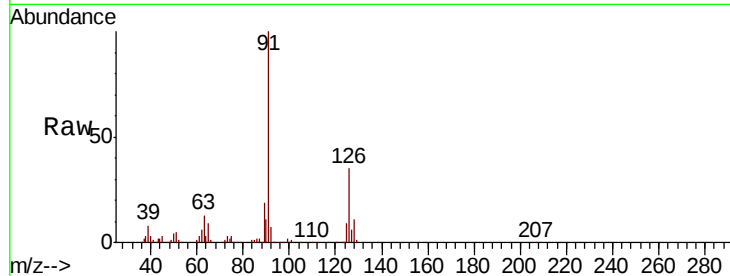




#79
 2-Chlorotoluene
 Concen: 20.647 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

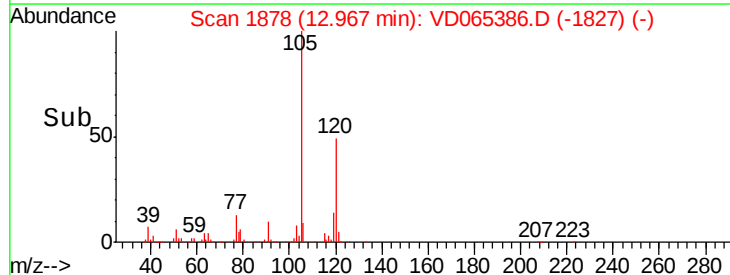
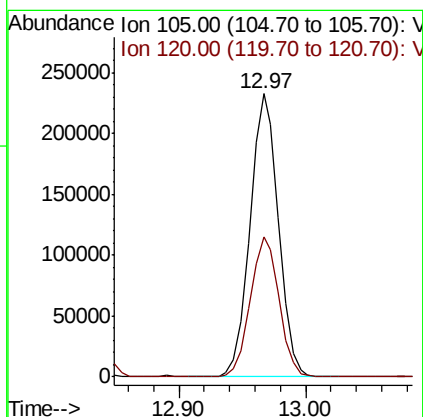
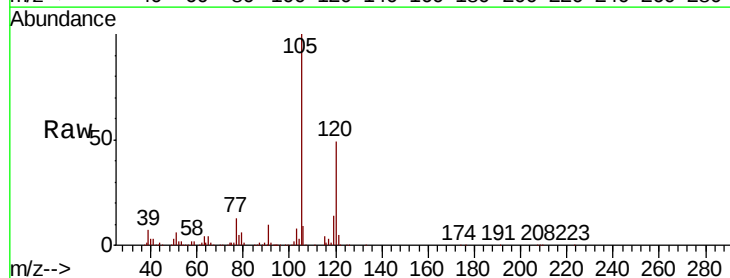
Instrument :
 MSVOA_D
 ClientSampleId :

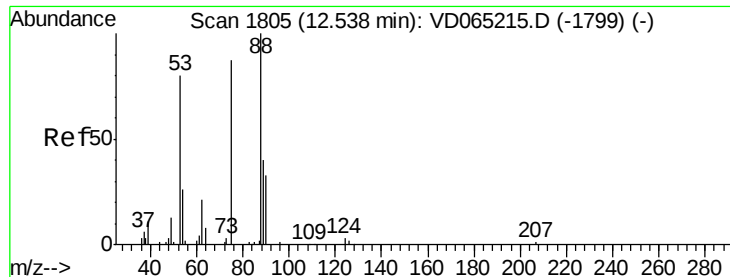
Tot Ion: 91 Resp: 290011
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.997 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion: 105 Resp: 360815
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.622 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

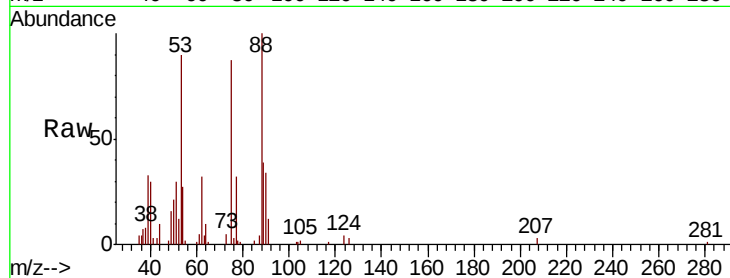
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 23126

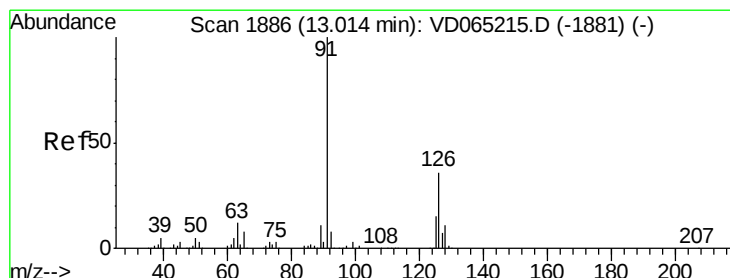
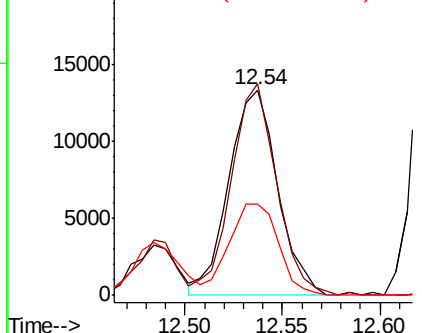
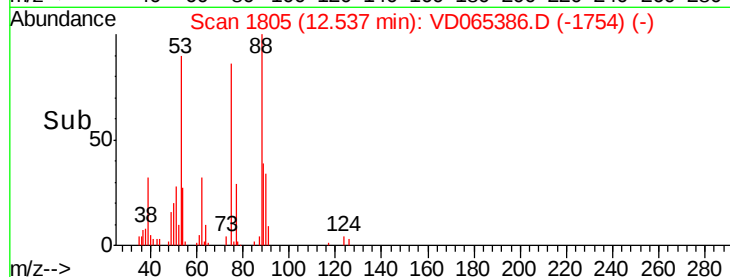
Ion	Ratio	Lower	Upper
75	100		
53	96.3	77.6	116.4
89	45.3	37.2	55.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.877 ug/l

RT: 13.01 min Scan# 1886

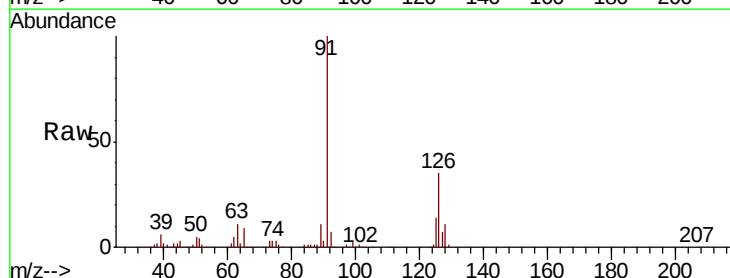
Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

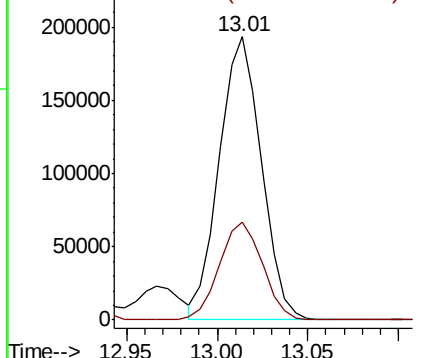
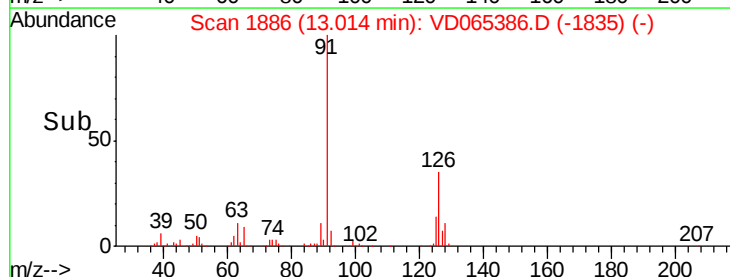
Tgt Ion: 91 Resp: 311319

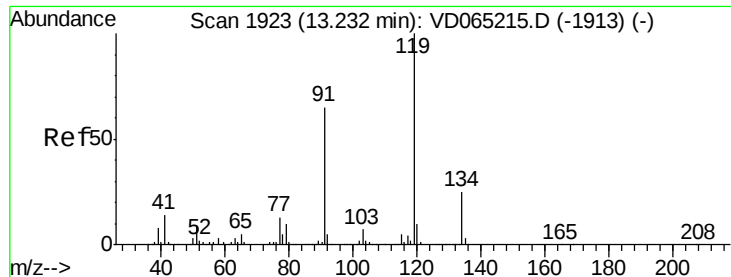
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

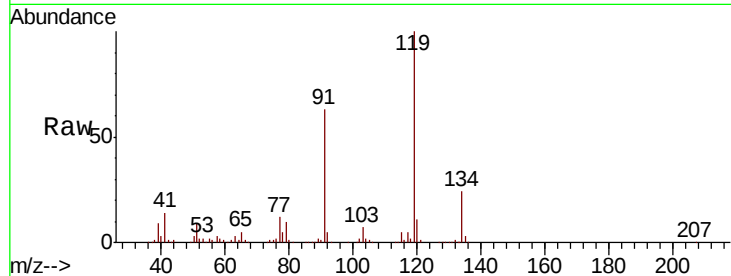




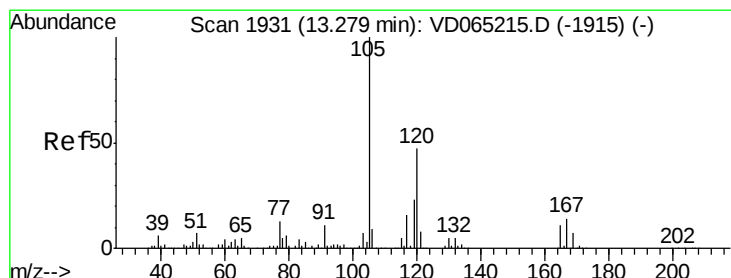
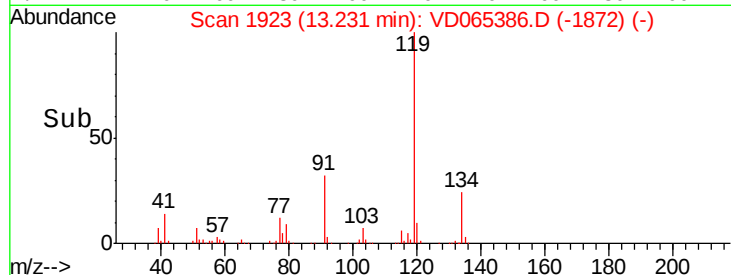
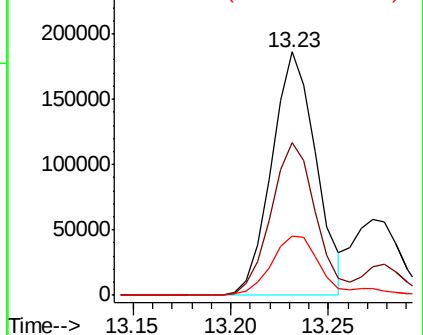
#83
tert-Butylbenzene
Concen: 20.401 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 293823
Ion Ratio Lower Upper
119 100
91 63.5 31.9 95.5
134 28.0 13.8 41.3

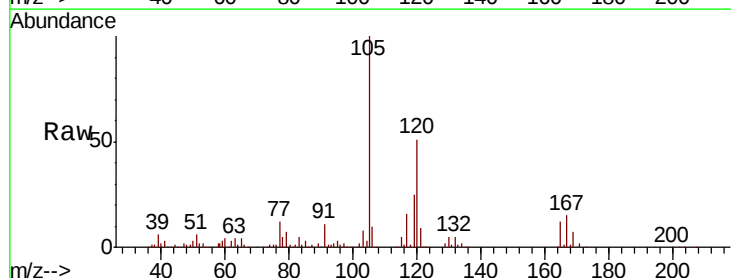


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

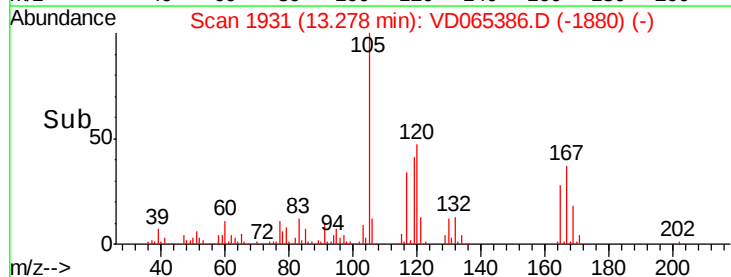
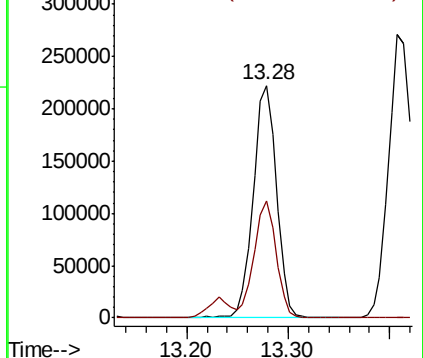


#84
1,2,4-Trimethylbenzene
Concen: 20.747 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion:105 Resp: 356859
Ion Ratio Lower Upper
105 100
120 47.8 23.3 69.9



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





#85

sec-Butylbenzene

Concen: 20.807 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

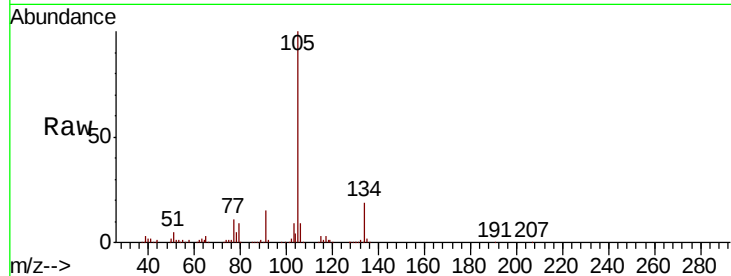
ClientSampleId :

Tot Ion:105 Resp: 431822

Ion Ratio Lower Upper

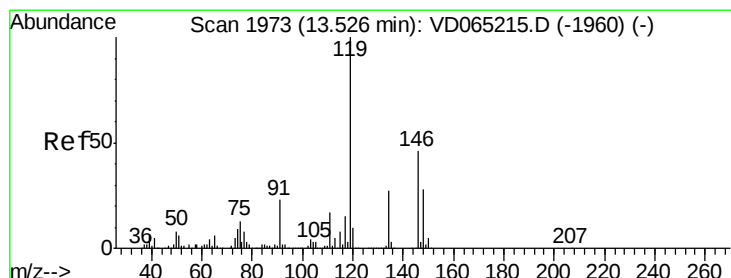
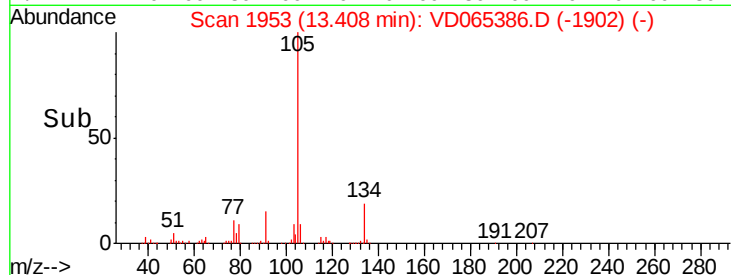
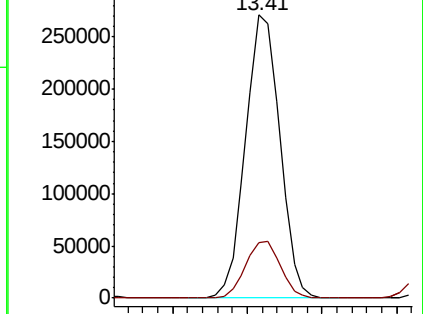
105 100

134 20.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.824 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

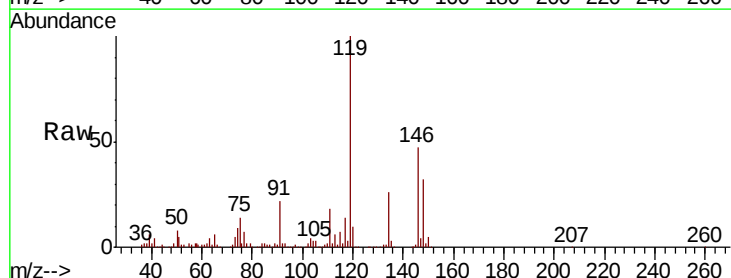
Tgt Ion:119 Resp: 395214

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

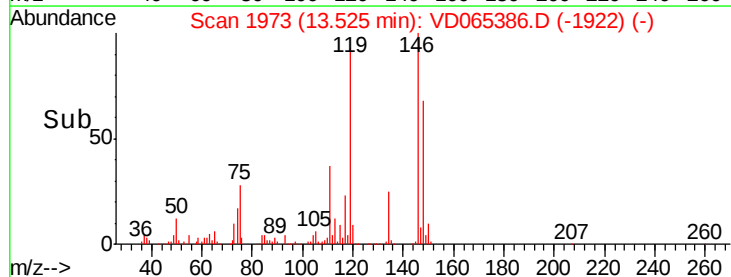
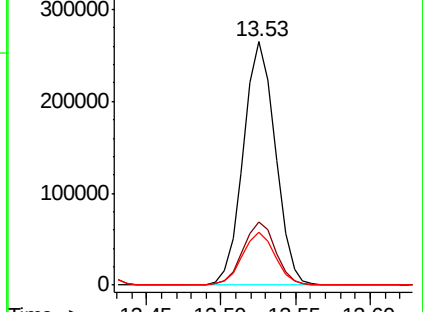
91 21.8 11.1 33.1

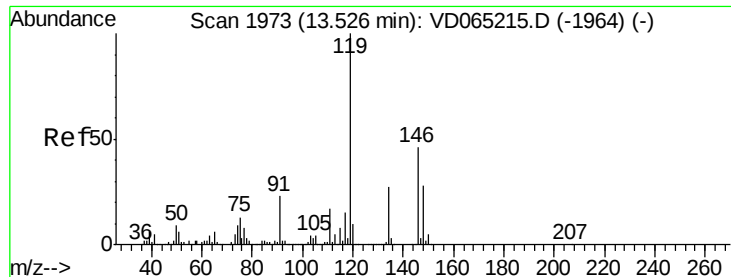


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

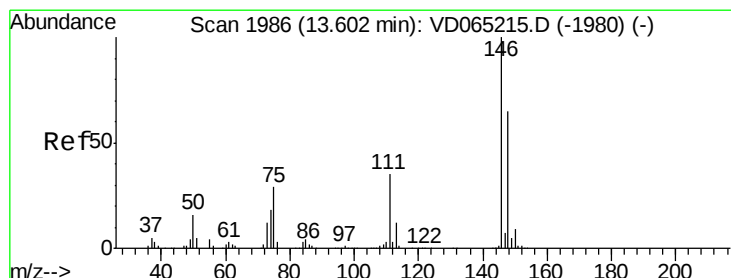
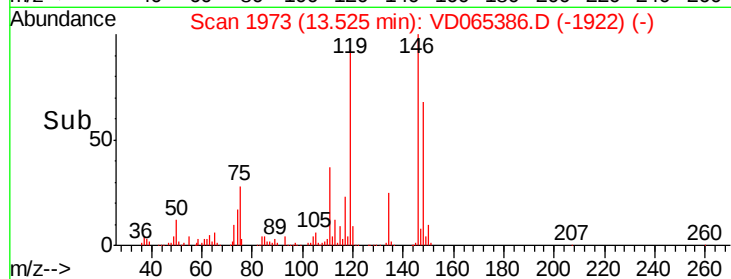
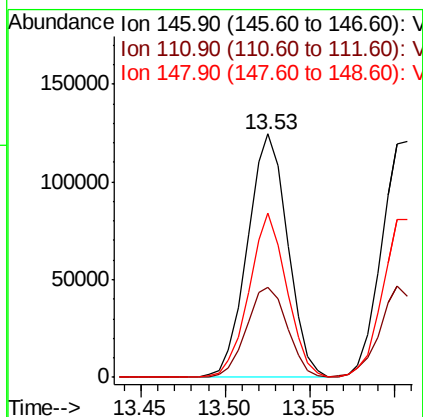
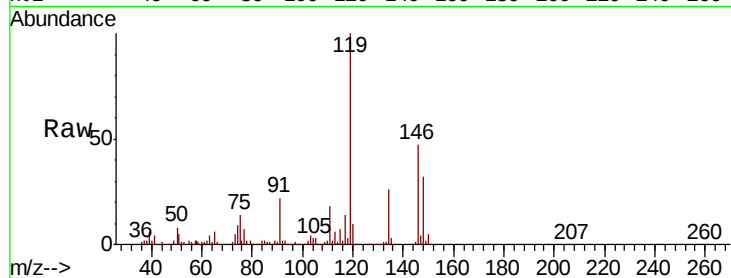




#87
 1,3-Dichlorobenzene
 Concen: 20.545 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

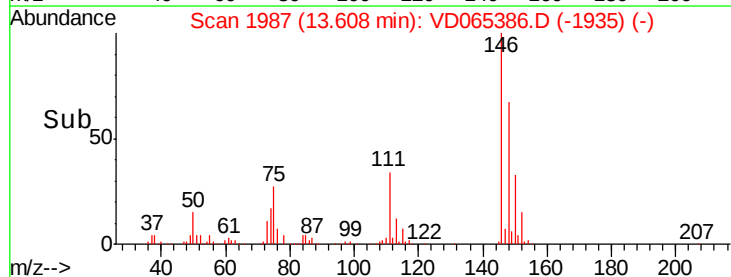
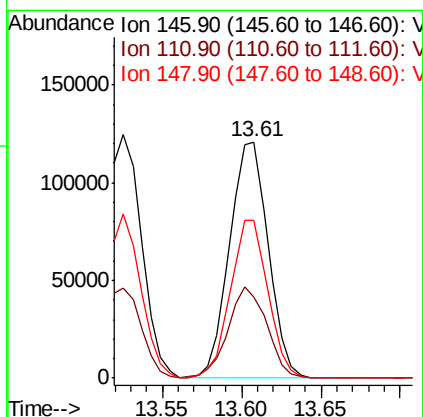
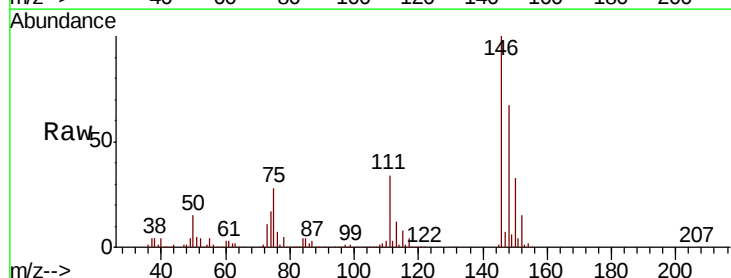
Instrument :
 MSVOA_D
 ClientSampleId :

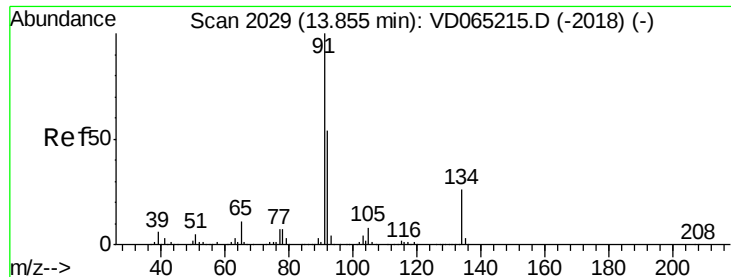
Tot Ion:146 Resp: 205782
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 63.7 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.701 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion:146 Resp: 204638
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.4 55.2
 148 65.0 32.1 96.5

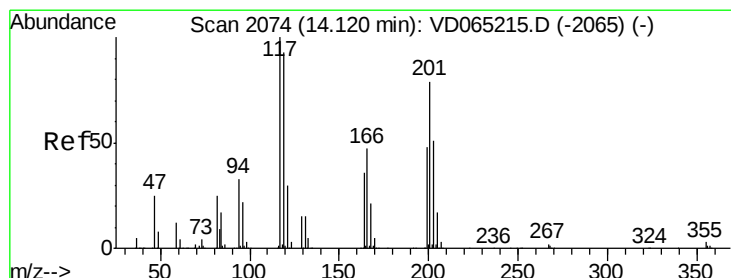
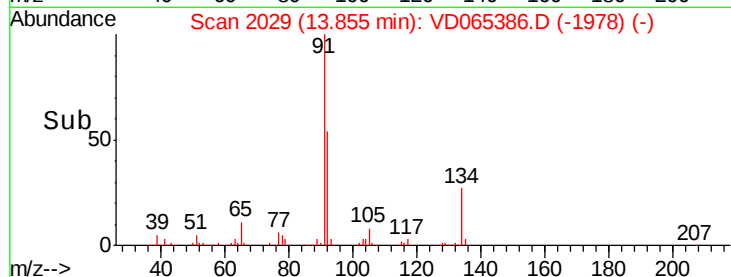
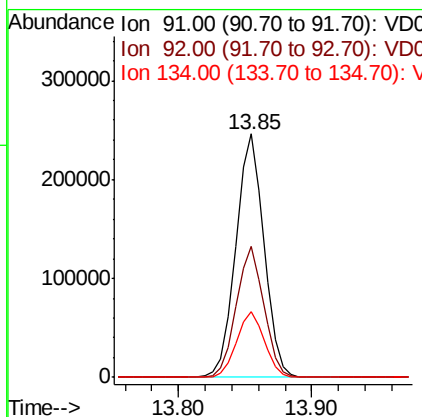
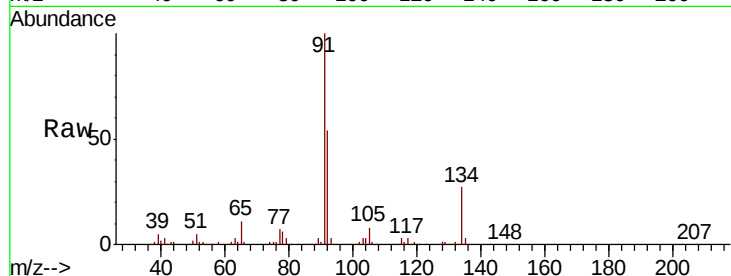




#89
n-Butylbenzene
Concen: 20.530 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

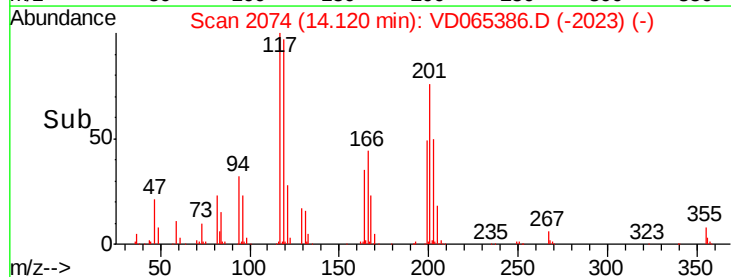
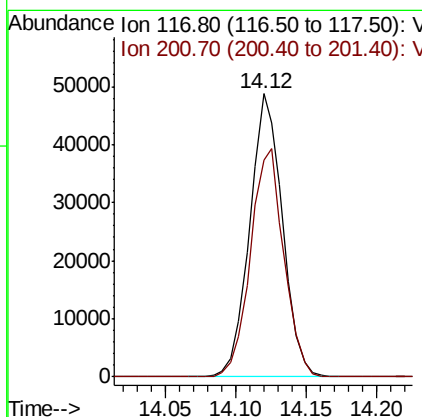
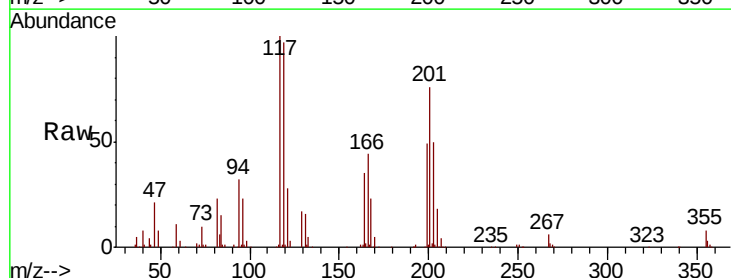
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 359053
Ion Ratio Lower Upper
91 100
92 52.7 27.0 80.8
134 26.7 13.5 40.4



#90
Hexachloroethane
Concen: 20.564 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 117 Resp: 79247
Ion Ratio Lower Upper
117 100
201 82.2 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 20.764 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

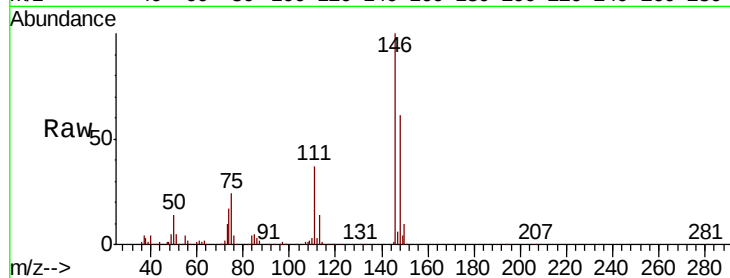
Tot Ion:146 Resp: 178572

Ion Ratio Lower Upper

146 100

111 38.3 19.7 59.0

148 63.5 32.0 96.2

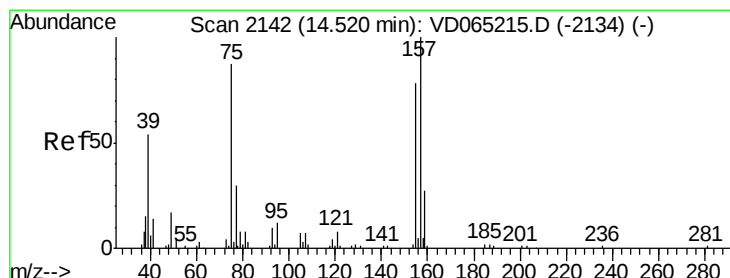
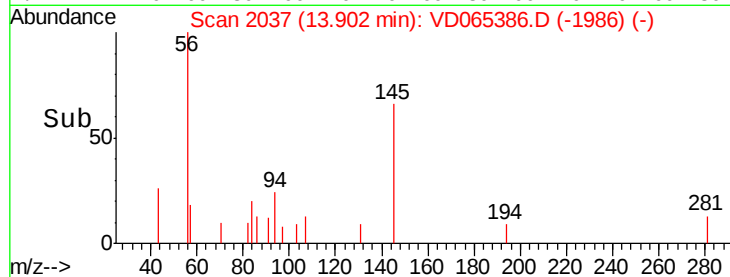
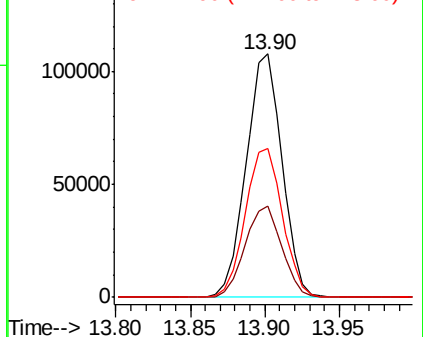


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.044 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

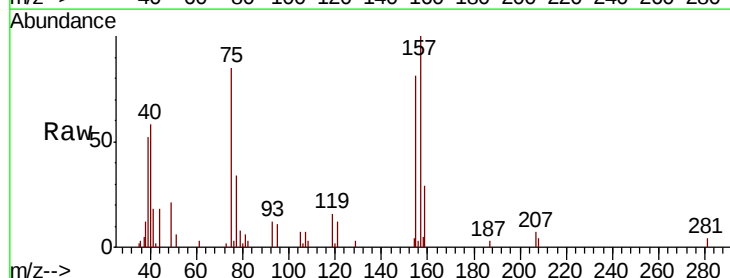
Tgt Ion: 75 Resp: 11051

Ion Ratio Lower Upper

75 100

155 88.7 42.3 126.9

157 117.0 56.7 170.1

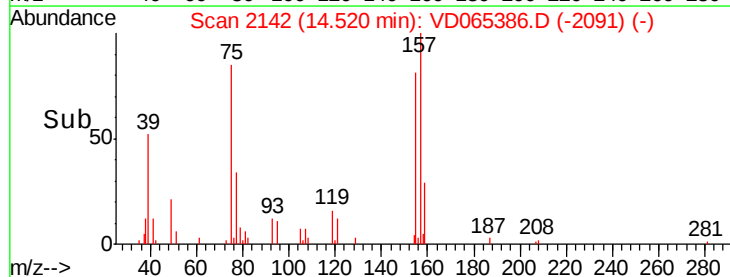
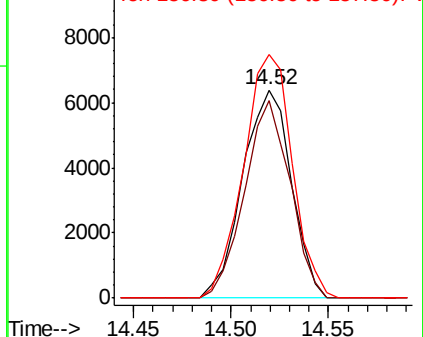


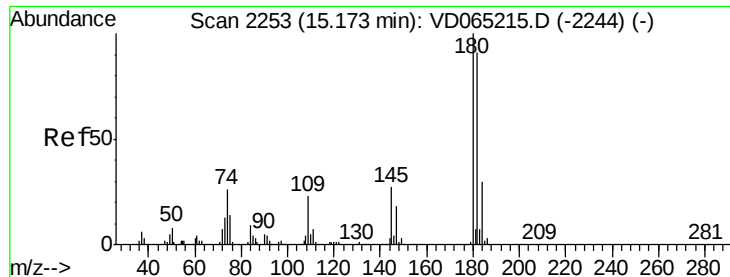
Abundance

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

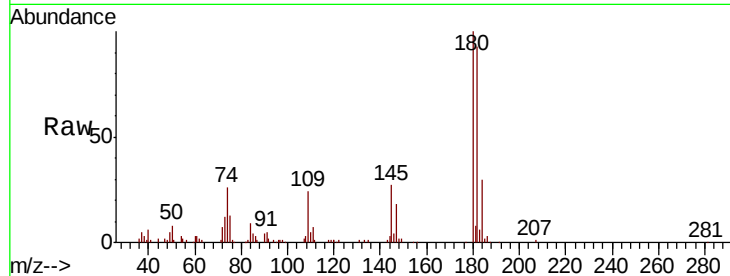




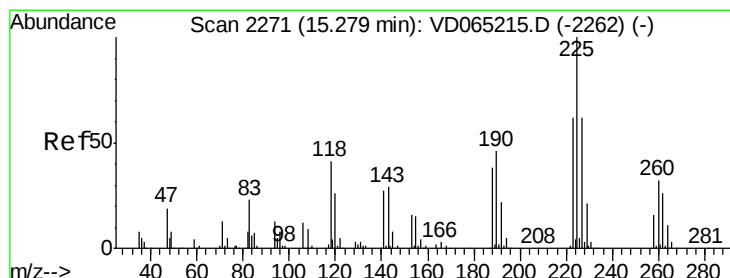
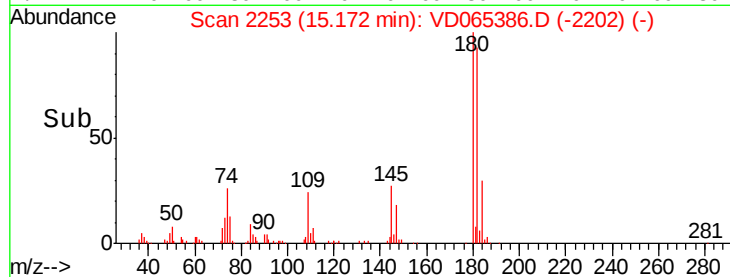
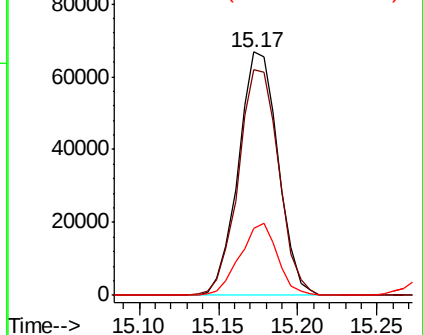
#93
 1,2,4-Trichlorobenzene
 Concen: 20.625 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.9	140.6
145	28.1	13.9	41.7

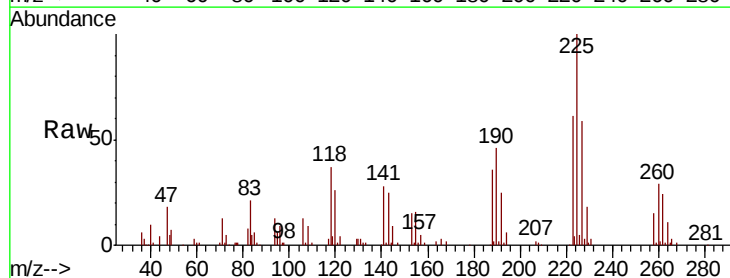


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

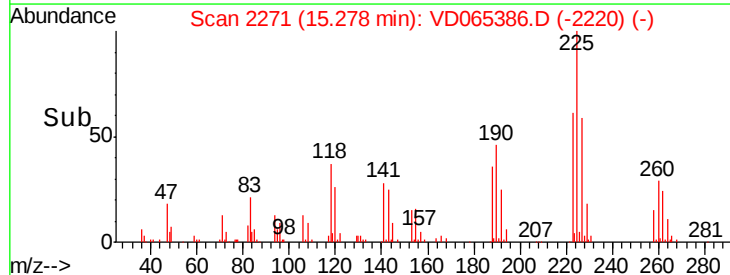
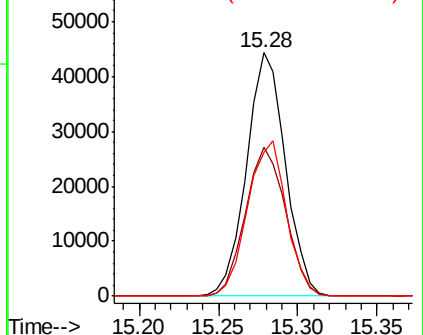


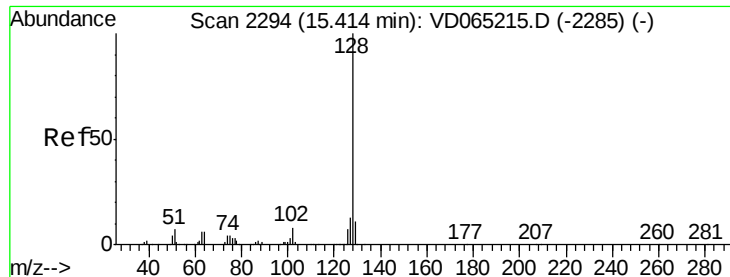
#94
 Hexachlorobutadiene
 Concen: 20.892 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.4	94.2
227	64.2	31.7	95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

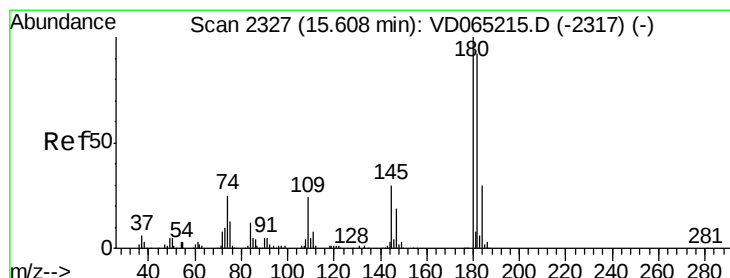
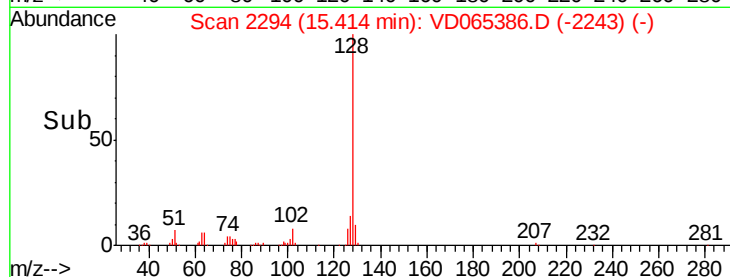
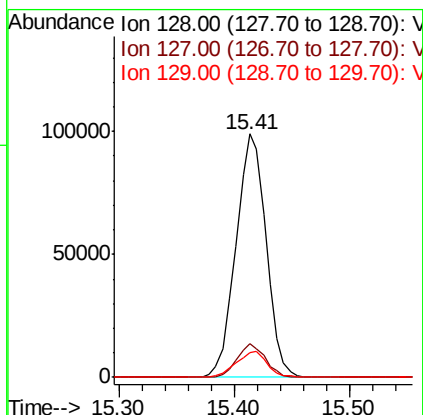
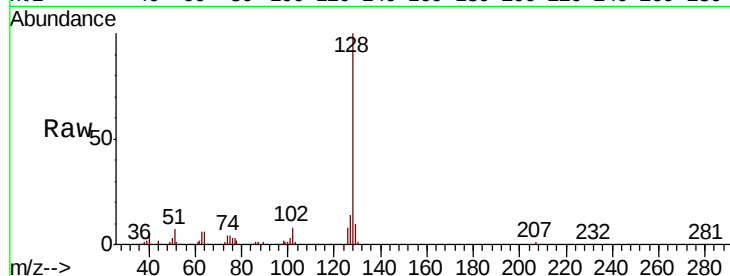




#95
Naphthalene
Concen: 19.556 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 178842
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.723 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion:180 Resp: 101813
Ion Ratio Lower Upper
180 100
182 94.6 46.9 140.6
145 30.4 15.4 46.1

