

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065320.D
 Acq On : 26 Feb 2020 11:29
 Operator : VA/SY
 Sample : VD0226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 27 08:00:21 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	473858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	695401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	637396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	314315	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	210194	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	7.91	113	223939	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.34	98	881333	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
62) 4-Bromofluorobenzene	12.64	95	284552	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72705	18.293	ug/l	99
3) Chloromethane	2.21	50	97416	19.257	ug/l	97
4) Vinyl Chloride	2.35	62	95939	18.650	ug/l	96
5) Bromomethane	2.76	94	59877	19.252	ug/l	94
6) Chloroethane	2.92	64	61555	19.604	ug/l	99
7) Trichlorofluoromethane	3.27	101	150532	20.440	ug/l	97
8) Diethyl Ether	3.70	74	44819	20.161	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98107	21.095	ug/l	98
10) Methyl Iodide	4.29	142	89560	18.547	ug/l	99
11) Tert butyl alcohol	5.24	59	20882	81.976	ug/l	99
12) 1,1-Dichloroethene	4.06	96	89162	20.295	ug/l	97
13) Acrolein	3.92	56	35621	96.158	ug/l	97
14) Allyl chloride	4.71	41	142112	19.919	ug/l	99
15) Acrylonitrile	5.43	53	97401	98.963	ug/l	99
16) Acetone	4.16	43	92406	88.677	ug/l	95
17) Carbon Disulfide	4.40	76	290830	19.745	ug/l	99
18) Methyl Acetate	4.72	43	50426	21.516	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	181267	19.785	ug/l	98
20) Methylene Chloride	4.96	84	113435	21.859	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	102611	20.545	ug/l	96
22) Diisopropyl ether	6.37	45	285720	20.774	ug/l	99
23) Vinyl Acetate	6.31	43	719301	94.866	ug/l	99
24) 1,1-Dichloroethane	6.26	63	176070	20.639	ug/l	97
25) 2-Butanone	7.22	43	119976	90.999	ug/l	99
26) 2,2-Dichloropropane	7.21	77	154297	20.846	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	107813	20.379	ug/l	98
28) Bromochloromethane	7.55	49	58791	18.576	ug/l	100
29) Tetrahydrofuran	7.57	42	74896	96.953	ug/l	99
30) Chloroform	7.71	83	176752	20.565	ug/l	97
31) Cyclohexane	7.98	56	169492	20.221	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	161627	21.019	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142453	21.053	ug/l	99
37) Ethyl Acetate	7.30	43	55505	19.623	ug/l	99
38) Carbon Tetrachloride	8.10	117	145105	21.066	ug/l	95

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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)
39) Methylcyclohexane	9.36	83	164065	20.625	ug/l	97
40) Benzene	8.35	78	405631	21.239	ug/l	99
41) Methacrylonitrile	7.54	41	30147	18.458	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	104707	19.943	ug/l	98
43) Isopropyl Acetate	8.46	43	101200	19.674	ug/l	98
44) Trichloroethene	9.11	130	114611	21.649	ug/l	100
45) 1,2-Dichloropropane	9.39	63	99879	21.032	ug/l	99
46) Dibromomethane	9.48	93	50464	20.653	ug/l	98
47) Bromodichloromethane	9.67	83	133890	20.792	ug/l	99
48) Methyl methacrylate	9.46	41	46730	19.654	ug/l	94
49) 1,4-Dioxane	9.47	88	10850	378.602	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	261453	100.075	ug/l	99
52) Toluene	10.41	92	259310	21.935	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	122324	20.494	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	148970	20.669	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	72116	20.969	ug/l	89
56) Ethyl methacrylate	10.67	69	80078	20.173	ug/l	96
57) 1,3-Dichloropropane	10.95	76	122380	20.908	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	122881	98.188	ug/l	99
59) 2-Hexanone	10.99	43	183911	98.338	ug/l	99
60) Dibromochloromethane	11.14	129	92753	21.071	ug/l	99
61) 1,2-Dibromoethane	11.25	107	66364	20.380	ug/l	100
64) Tetrachloroethene	10.88	164	100056	22.133	ug/l	94
65) Chlorobenzene	11.67	112	276784	21.639	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	101348	21.233	ug/l	99
67) Ethyl Benzene	11.75	91	474372	21.175	ug/l	99
68) m/p-Xylenes	11.86	106	373982	43.634	ug/l	99
69) o-Xylene	12.18	106	161741	21.300	ug/l	100
70) Styrene	12.20	104	288850	21.426	ug/l	99
71) Bromoform	12.37	173	54234	20.476	ug/l #	100
73) Isopropylbenzene	12.48	105	449794	21.615	ug/l	99
74) N-amyl acetate	12.30	43	89695	19.398	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	76073	20.256	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	100011	37.397	ug/l #	100
77) Bromobenzene	12.77	156	112558	21.783	ug/l	98
78) n-propylbenzene	12.83	91	551940	22.072	ug/l	99
79) 2-Chlorotoluene	12.91	91	298261	21.291	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	371685	21.687	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	24185	19.527	ug/l	93
82) 4-Chlorotoluene	13.01	91	318891	21.442	ug/l	98
83) tert-Butylbenzene	13.23	119	308699	21.490	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	372741	21.728	ug/l	100
85) sec-Butylbenzene	13.41	105	447617	21.625	ug/l	100
86) p-Isopropyltoluene	13.53	119	416458	22.001	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	213187	21.341	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	205232	20.816	ug/l	97
89) n-Butylbenzene	13.86	91	378075	21.675	ug/l	99
90) Hexachloroethane	14.12	117	82777	21.537	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	182097	21.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12310	21.270	ug/l	96

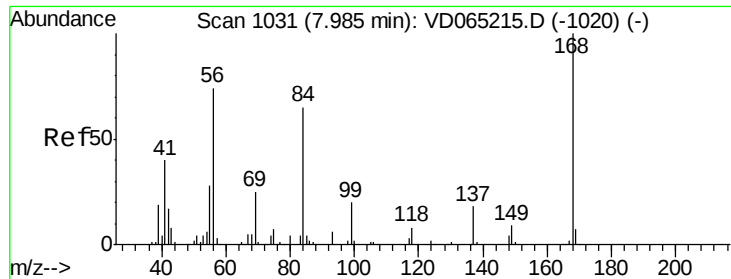
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022620\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119708	21.336	ug/l	99
94) Hexachlorobutadiene	15.28	225	78953	21.937	ug/l	99
95) Naphthalene	15.41	128	182000	19.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	104628	21.352	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: VD065320.D

Acq: 26 Feb 2020 11:29

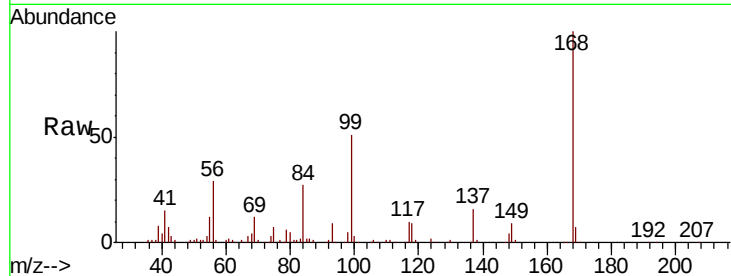
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 473858

Ion Ratio Lower Upper

168 100

99 50.2 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

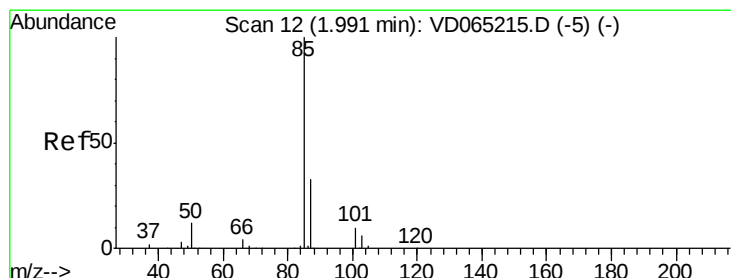
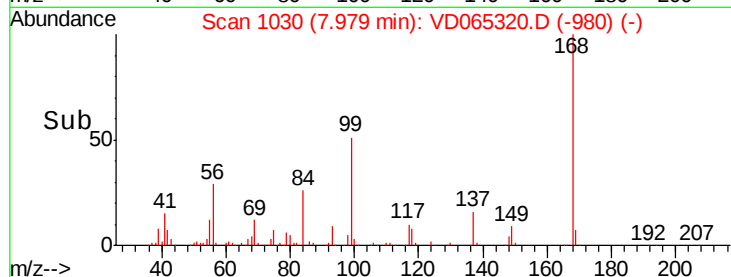
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.293 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065320.D

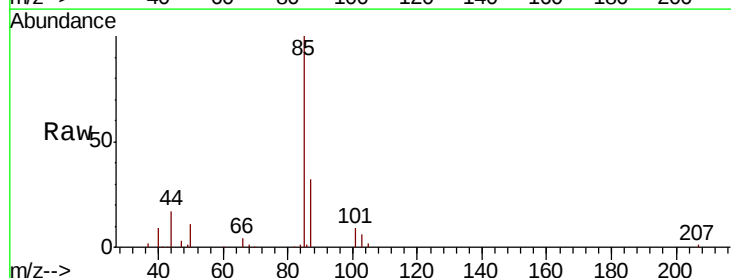
Acq: 26 Feb 2020 11:29

Tgt Ion: 85 Resp: 72705

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

20000

10000

0

1.90

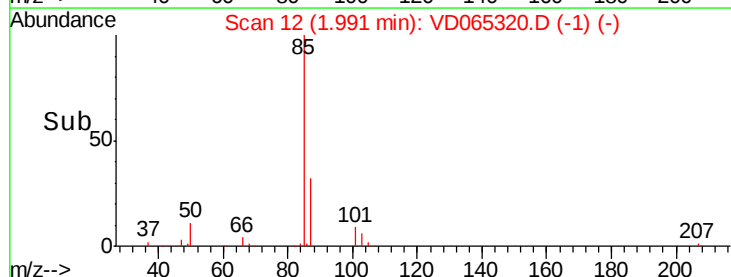
1.95

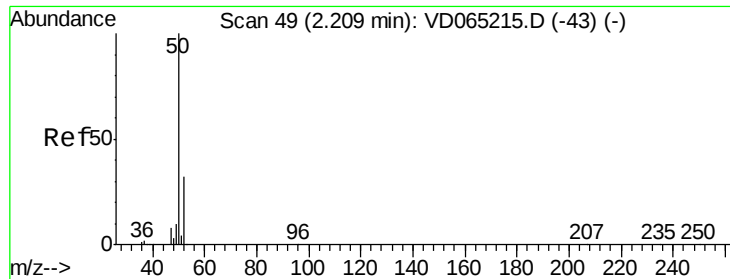
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 19.257 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

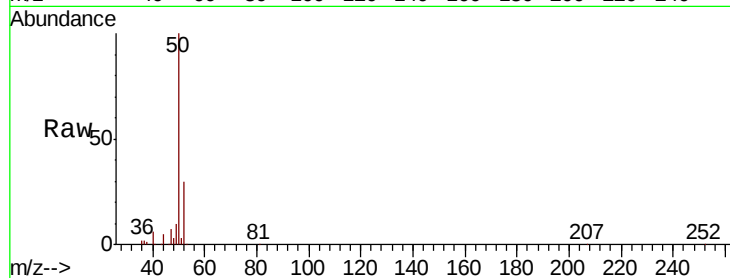
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 97416

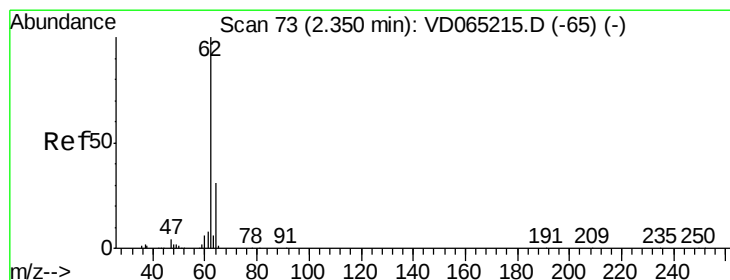
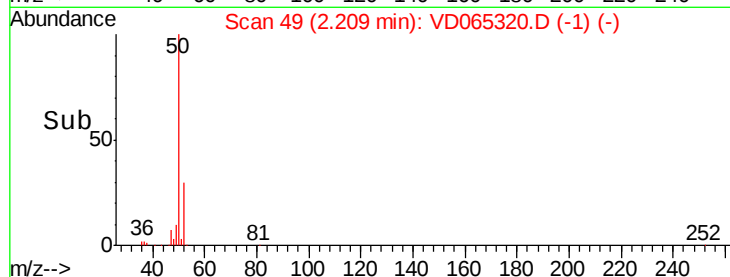
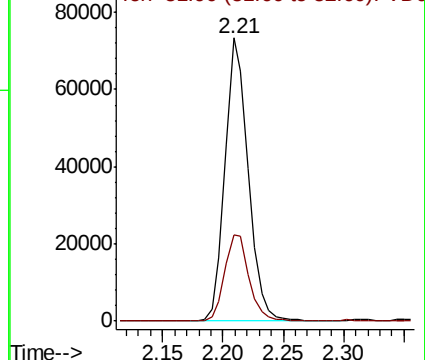
Ion Ratio Lower Upper

50 100

52 30.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.650 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065320.D

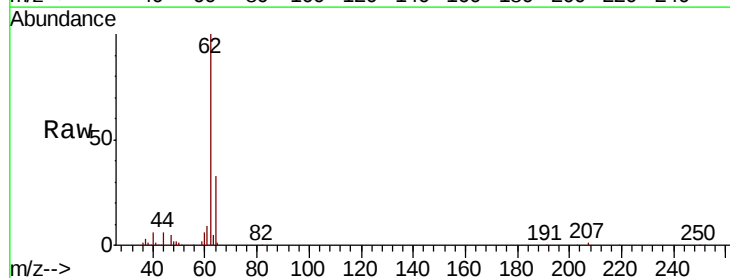
Acq: 26 Feb 2020 11:29

Tgt Ion: 62 Resp: 95939

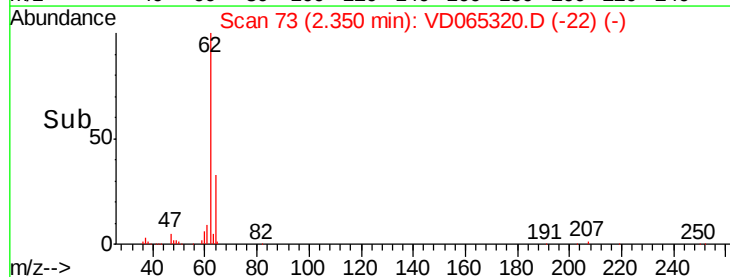
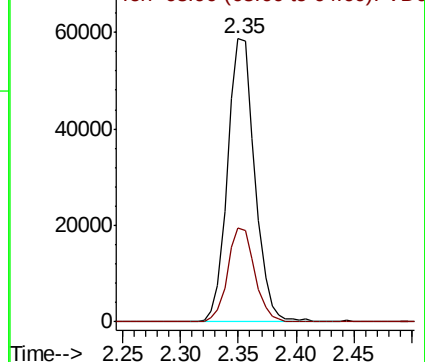
Ion Ratio Lower Upper

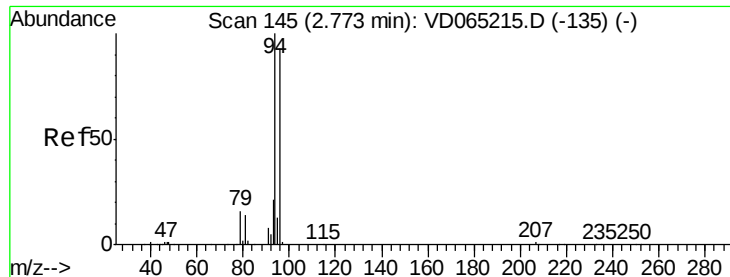
62 100

64 33.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.252 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

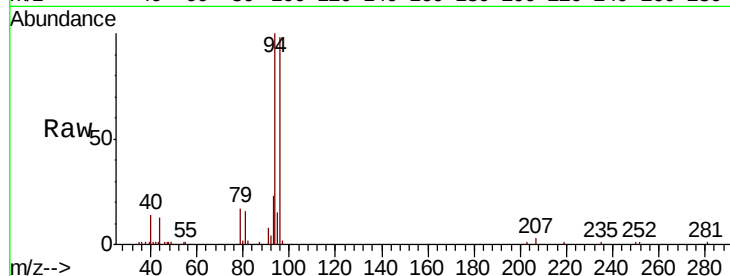
ClientSampleId :

Tot Ion: 94 Resp: 59877

Ion Ratio Lower Upper

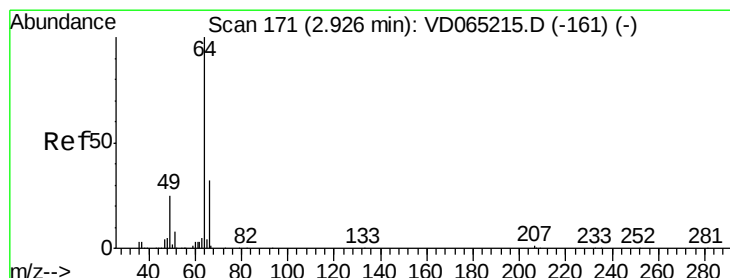
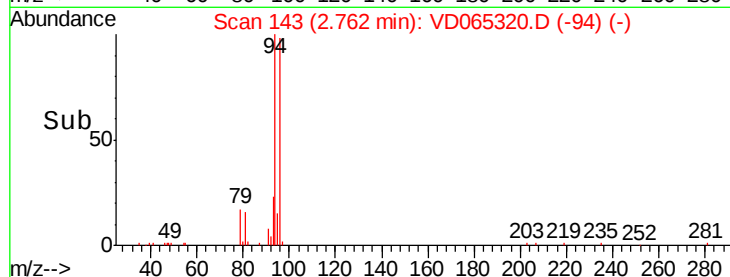
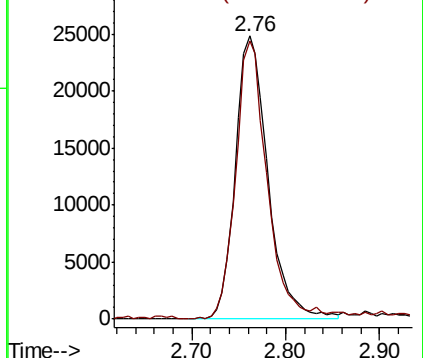
94 100

96 98.1 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.604 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065320.D

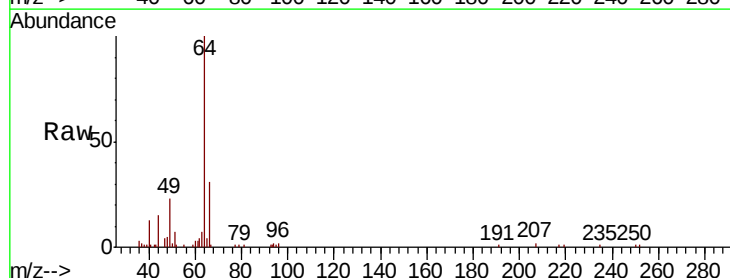
Acq: 26 Feb 2020 11:29

Tgt Ion: 64 Resp: 61555

Ion Ratio Lower Upper

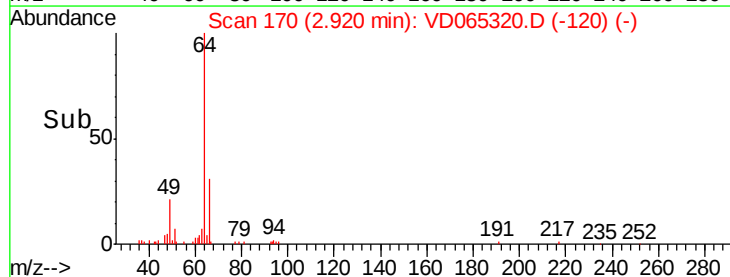
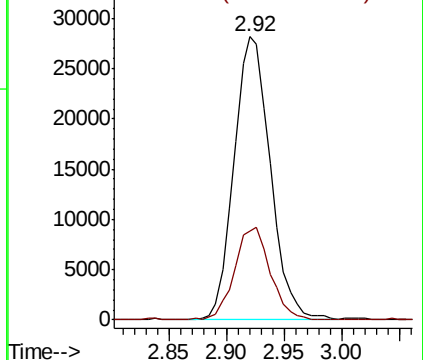
64 100

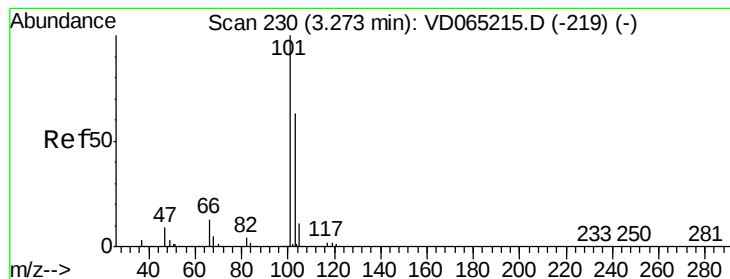
66 31.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 20.440 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

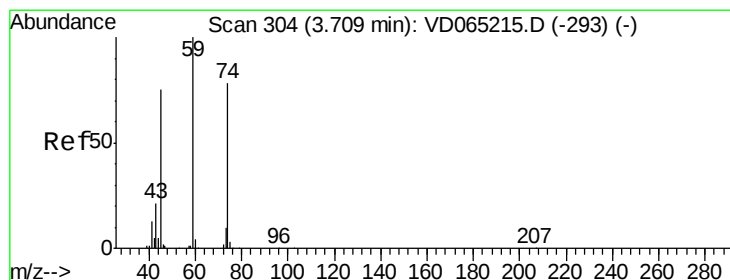
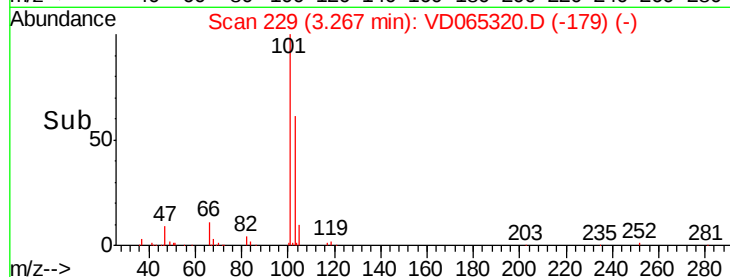
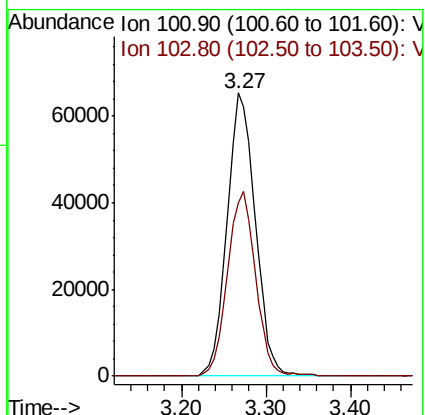
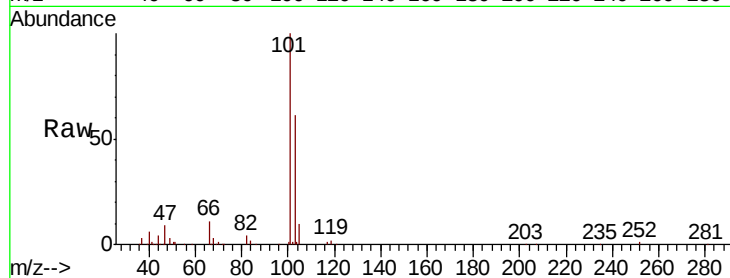
ClientSampleId :

Tot Ion:101 Resp: 150532

Ion Ratio Lower Upper

101 100

103 61.2 50.7 76.1



#8

Diethyl Ether

Concen: 20.161 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065320.D

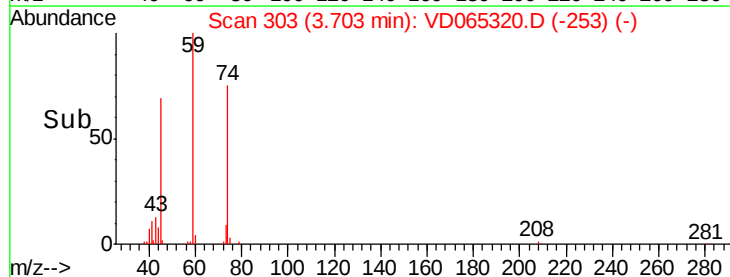
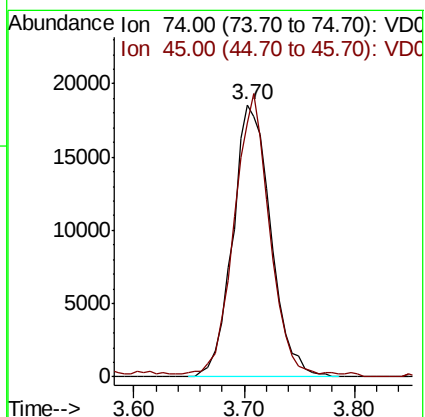
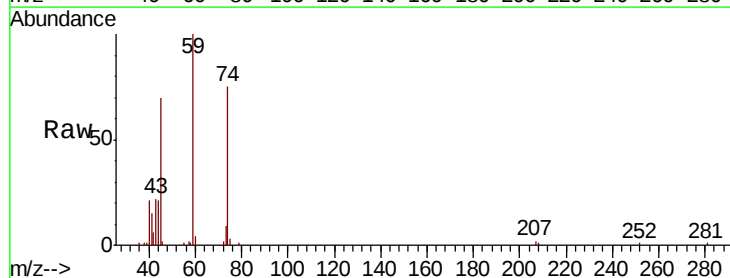
Acq: 26 Feb 2020 11:29

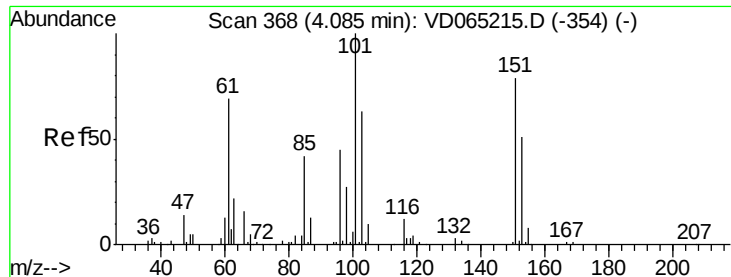
Tgt Ion: 74 Resp: 44819

Ion Ratio Lower Upper

74 100

45 99.0 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.095 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

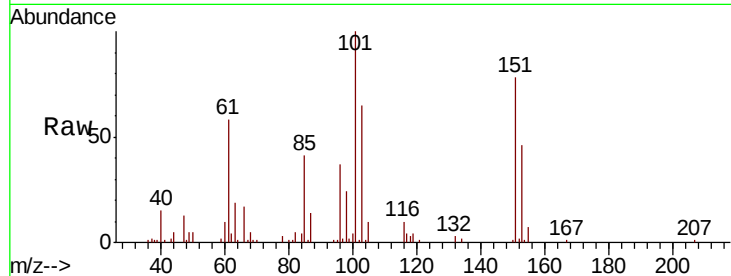
Tot Ion:101 Resp: 98107

Ion Ratio Lower Upper

101 100

85 43.7 34.2 51.2

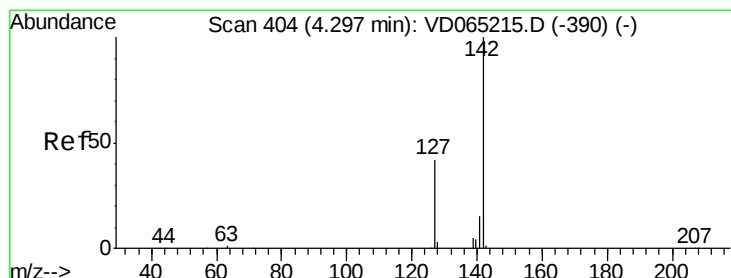
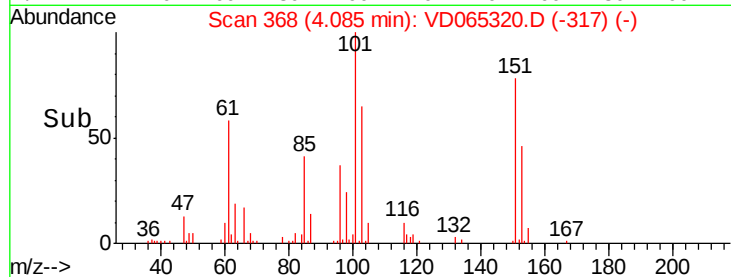
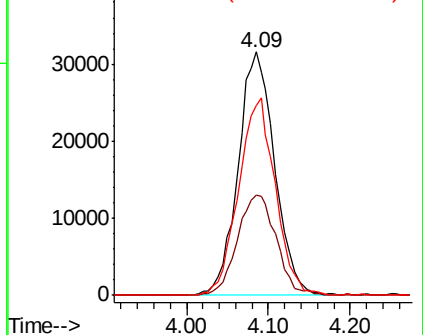
151 81.4 63.5 95.3



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: 18.547 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

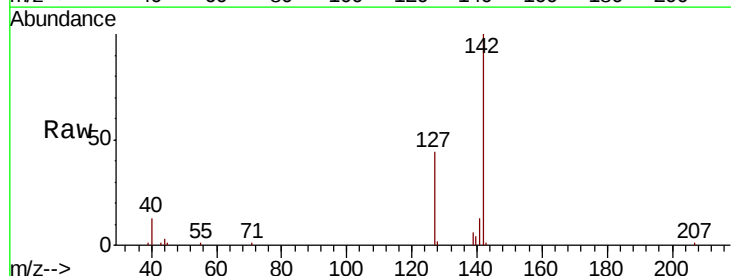
Tgt Ion:142 Resp: 89560

Ion Ratio Lower Upper

142 100

127 42.6 33.8 50.8

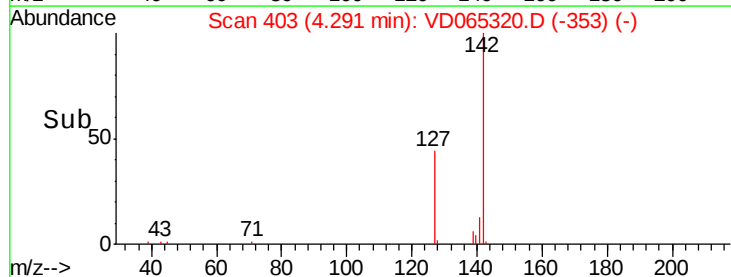
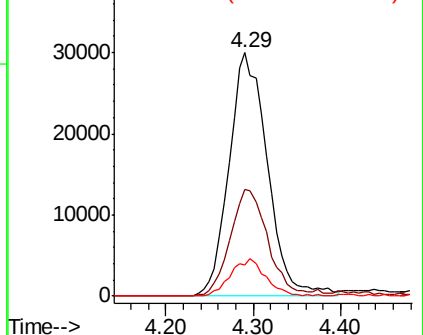
141 13.9 11.7 17.5

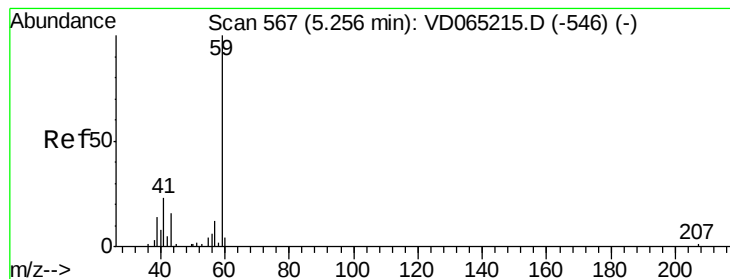


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 81.976 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

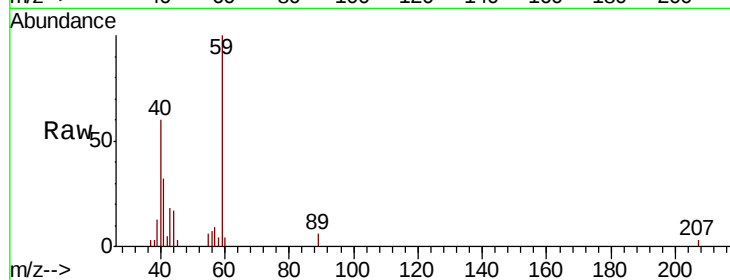
ClientSampleId :

Tot Ion: 59 Resp: 20882

Ion Ratio Lower Upper

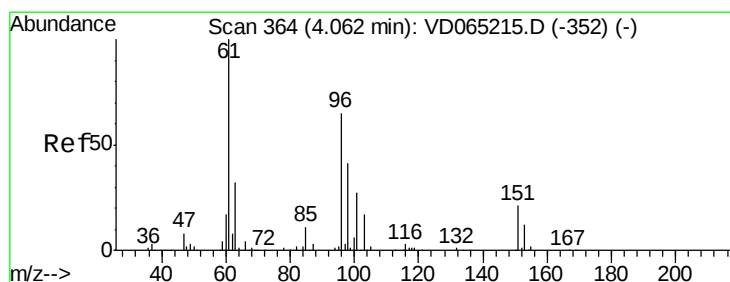
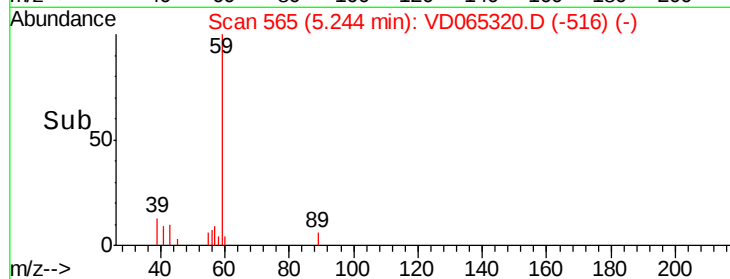
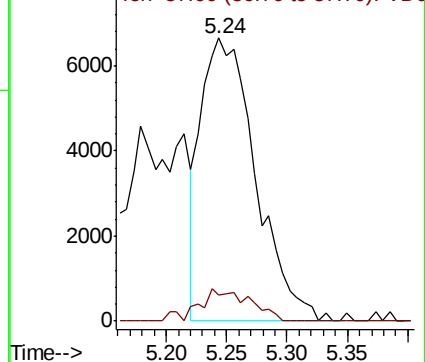
59 100

57 10.8 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.295 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

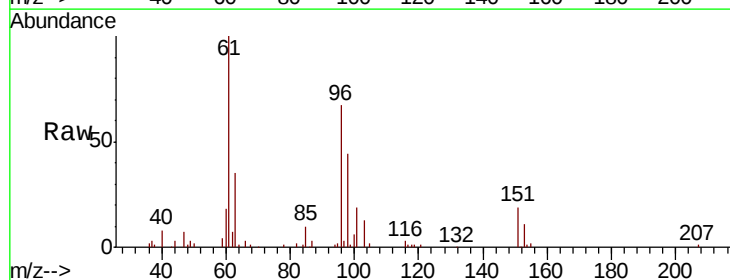
Tgt Ion: 96 Resp: 89162

Ion Ratio Lower Upper

96 100

61 149.0 123.3 184.9

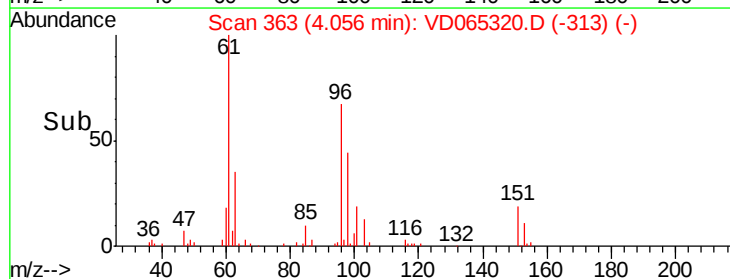
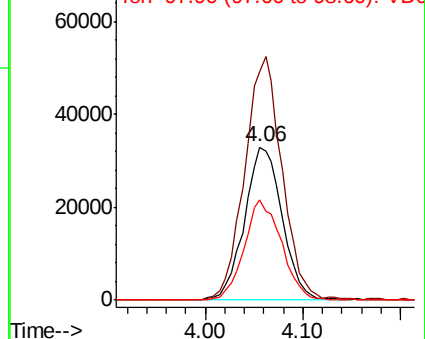
98 65.5 51.0 76.4

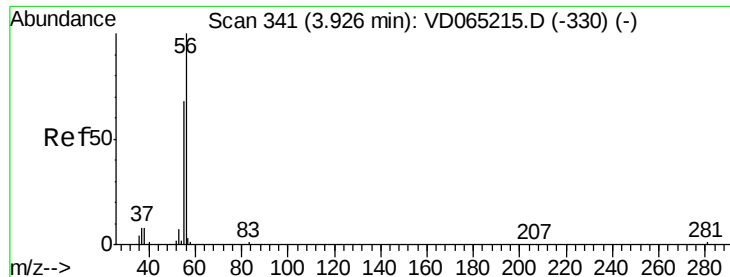


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 96.158 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

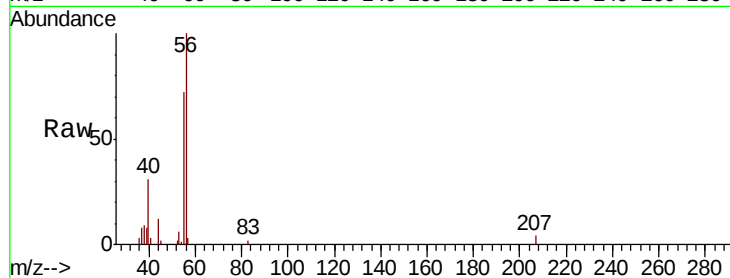
ClientSampleId :

Tot Ion: 56 Resp: 35621

Ion Ratio Lower Upper

56 100

55 73.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

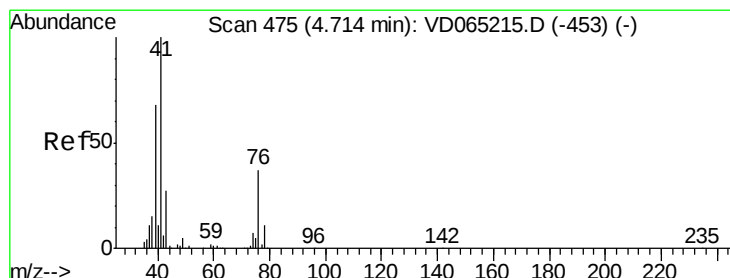
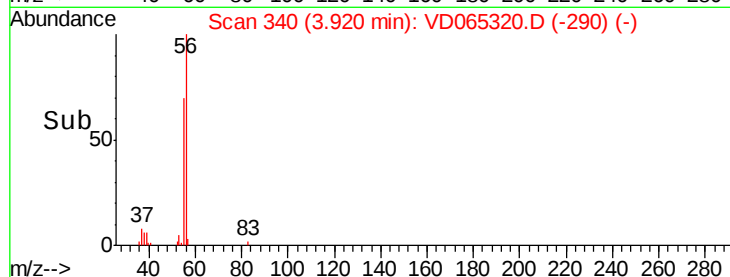
10000

5000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 19.919 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

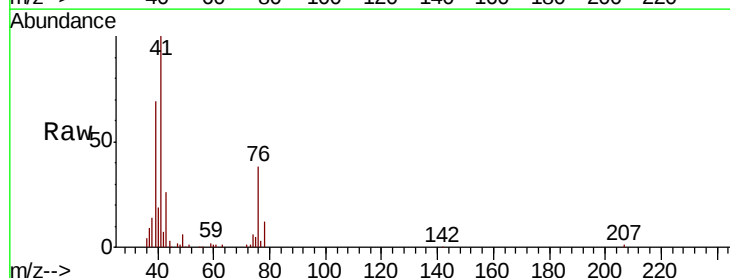
Tgt Ion: 41 Resp: 142112

Ion Ratio Lower Upper

41 100

39 65.9 53.8 80.6

76 36.5 28.7 43.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

50000

40000

30000

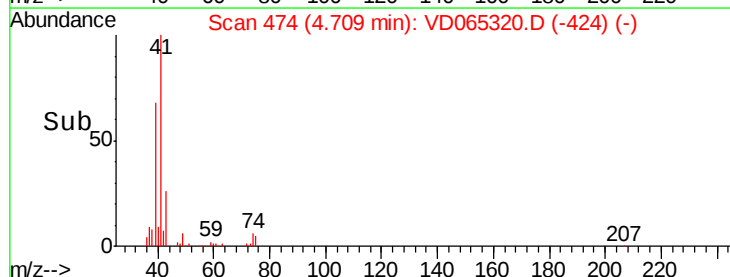
20000

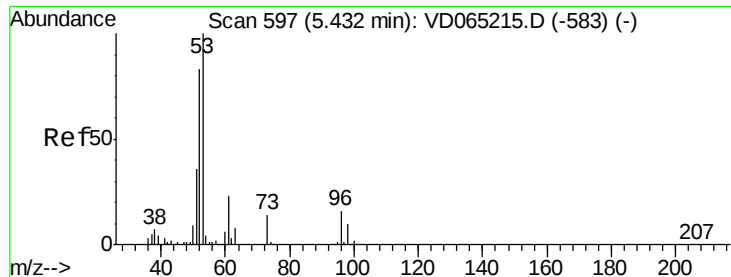
10000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 98.963 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

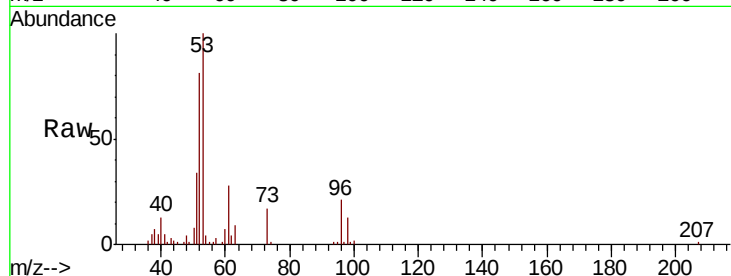
Tot Ion: 53 Resp: 97401

Ion Ratio Lower Upper

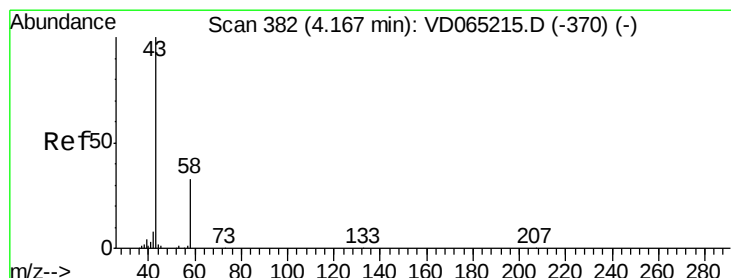
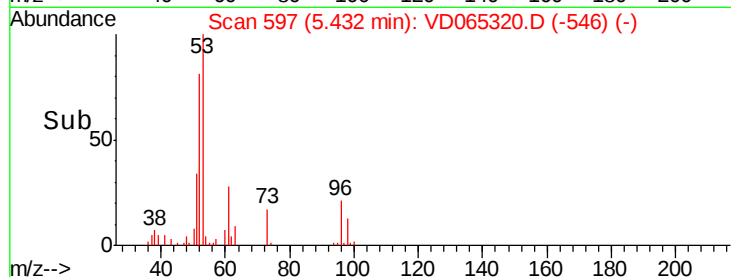
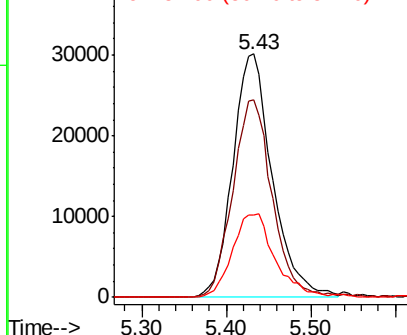
53 100

52 81.0 65.4 98.2

51 36.9 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: 88.677 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065320.D

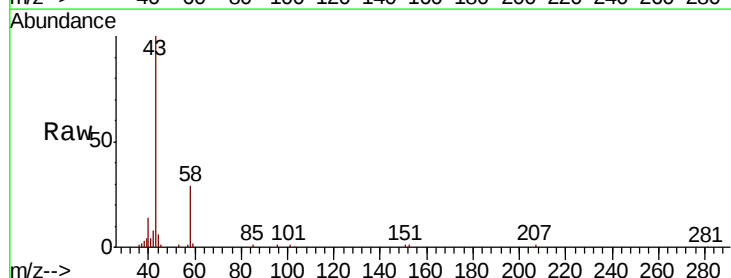
Acq: 26 Feb 2020 11:29

Tgt Ion: 43 Resp: 92406

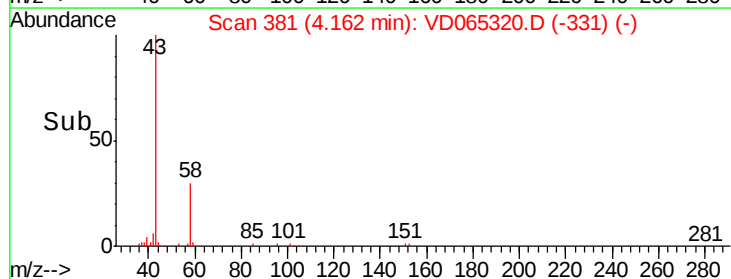
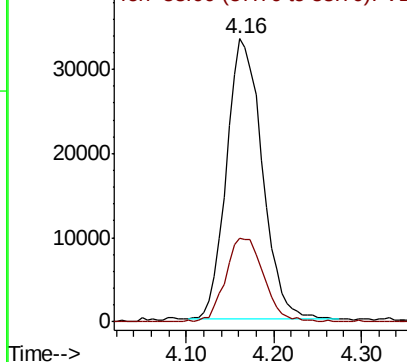
Ion Ratio Lower Upper

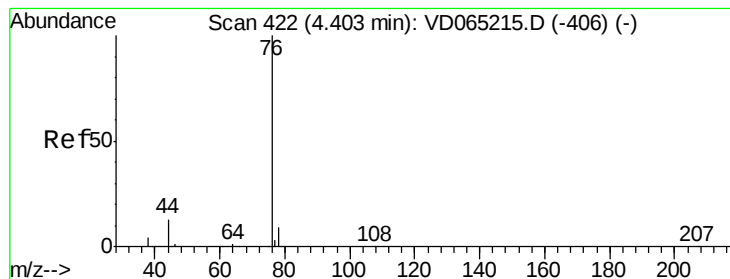
43 100

58 29.7 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: 19.745 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

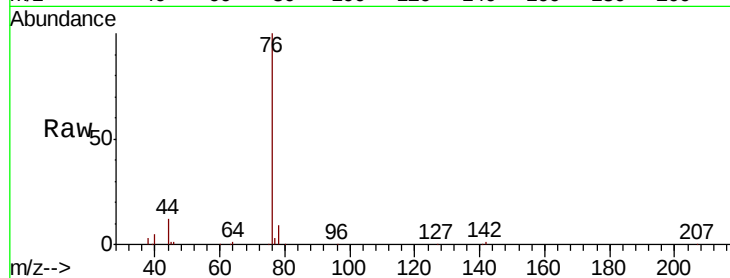
ClientSampleId :

Tot Ion: 76 Resp: 290830

Ion Ratio Lower Upper

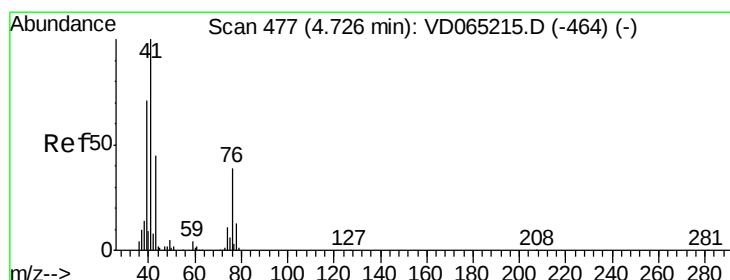
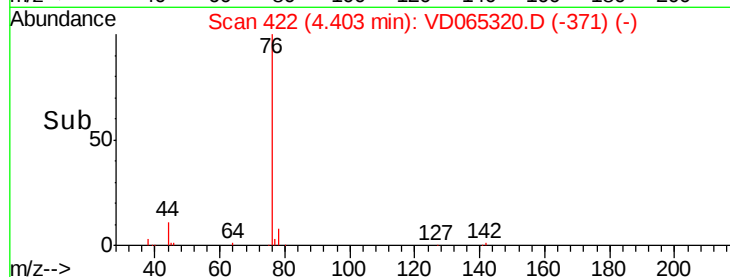
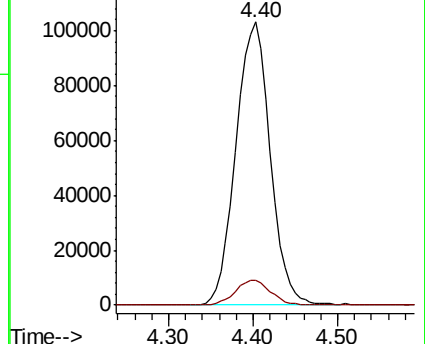
76 100

78 8.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.516 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065320.D

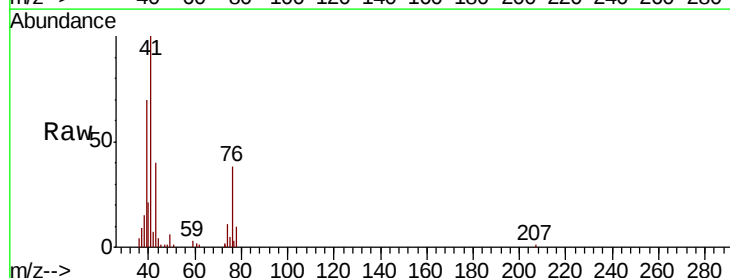
Acq: 26 Feb 2020 11:29

Tgt Ion: 43 Resp: 50426

Ion Ratio Lower Upper

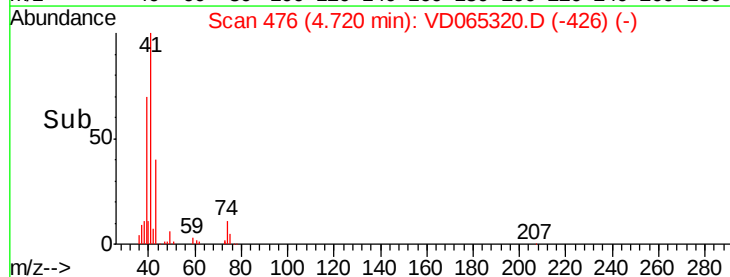
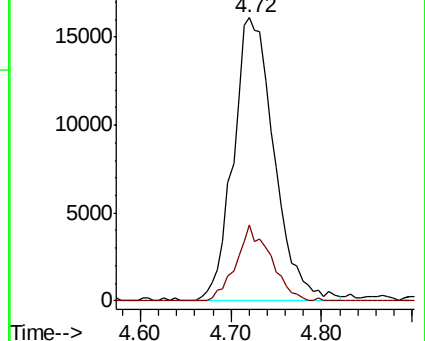
43 100

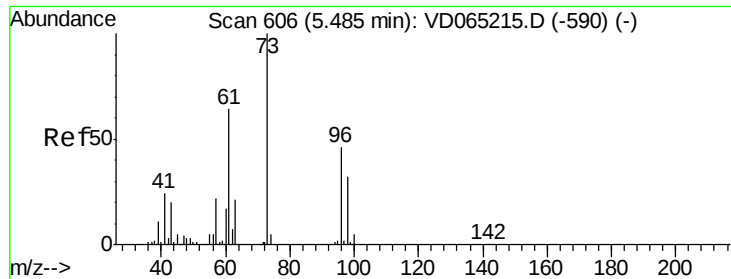
74 22.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

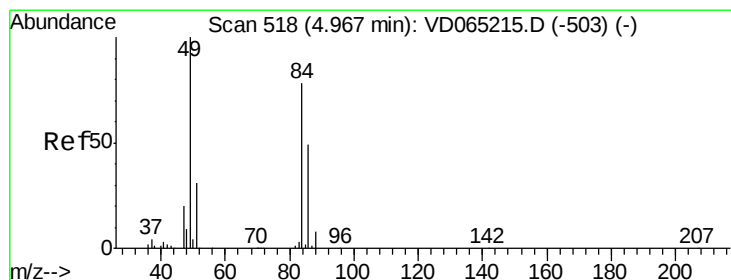
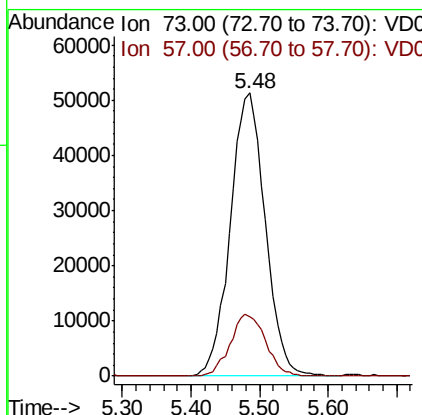
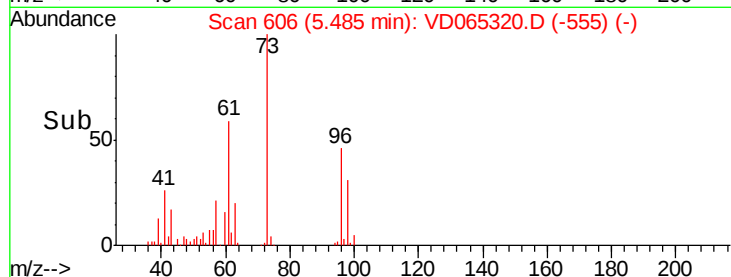
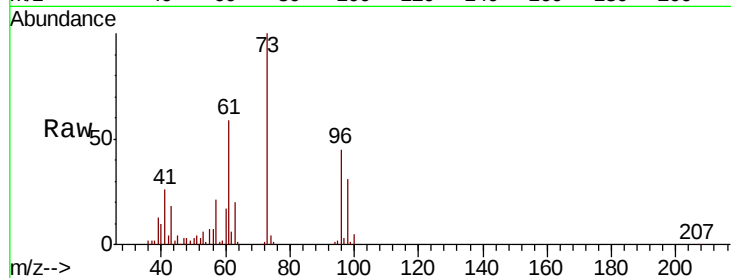




#19
Methyl tert-butyl Ether
Concen: 19.785 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

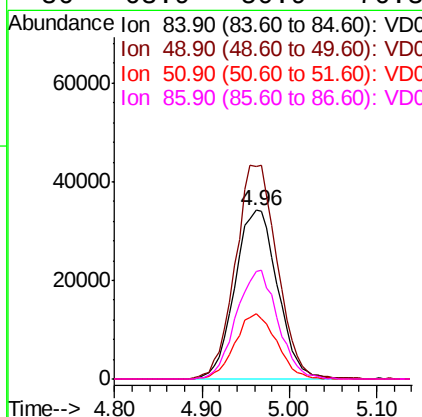
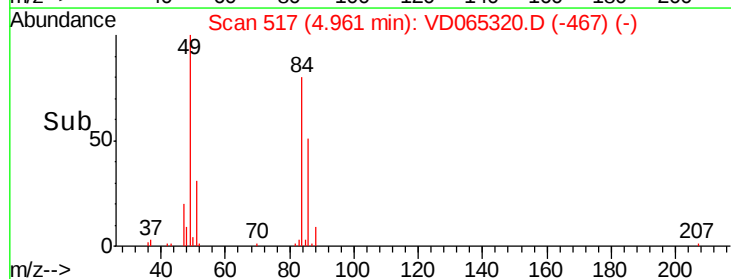
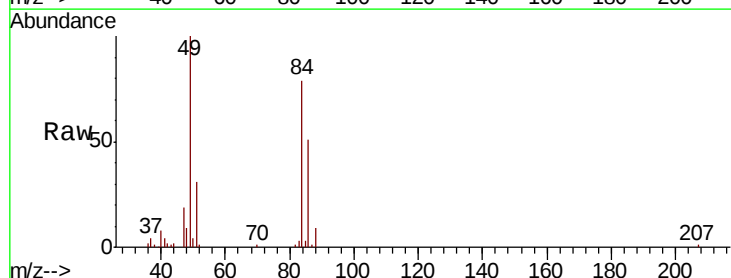
Instrument :
MSVOA_D
ClientSampled :

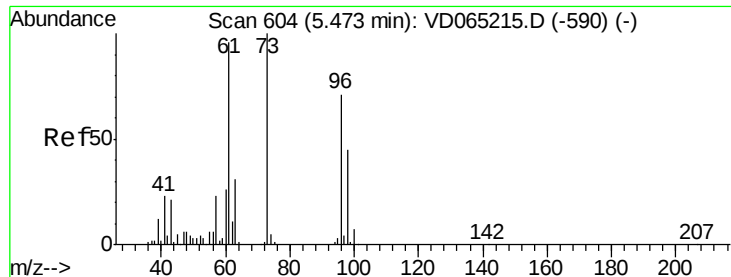
Tot Ion: 73 Resp: 181267
Ion Ratio Lower Upper
73 100
57 20.9 17.3 25.9



#20
Methylene Chloride
Concen: 21.859 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion: 84 Resp: 113435
Ion Ratio Lower Upper
84 100
49 126.3 103.1 154.7
51 38.6 31.7 47.5
86 63.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.545 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

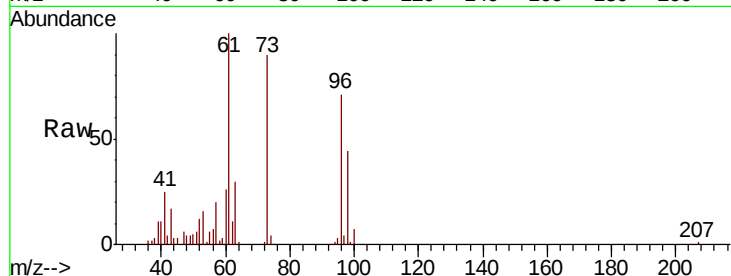
Tot Ion: 96 Resp: 102611

Ion Ratio Lower Upper

96 100

61 140.6 108.3 162.5

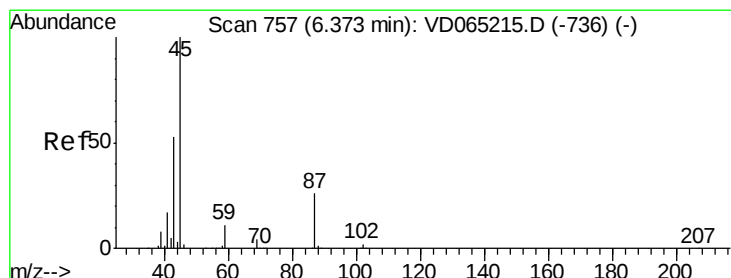
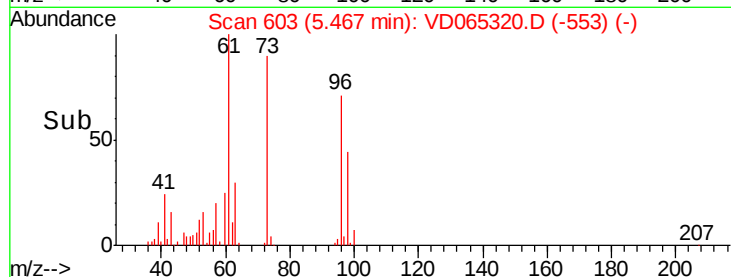
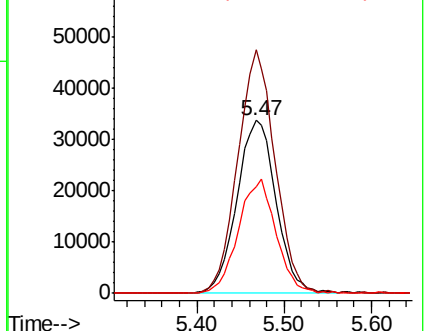
98 61.3 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.774 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion: 45 Resp: 285720

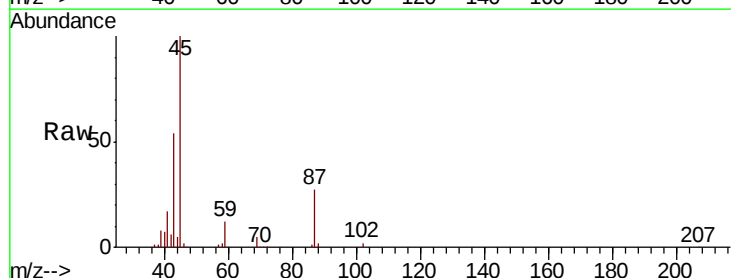
Ion Ratio Lower Upper

45 100

43 53.0 42.6 64.0

87 27.4 21.2 31.8

59 12.1 8.9 13.3

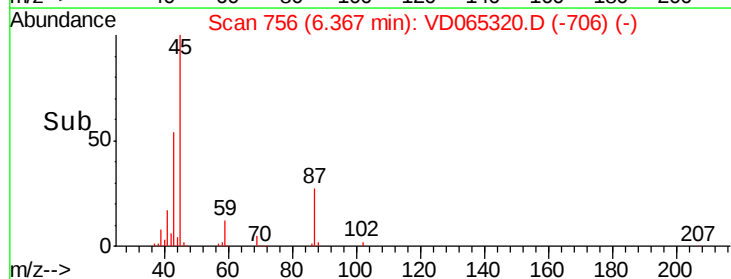
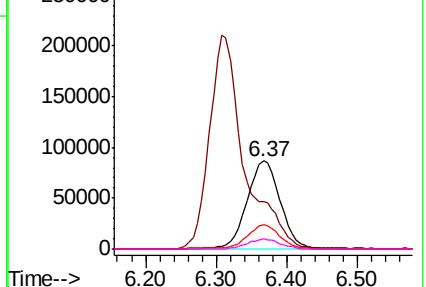


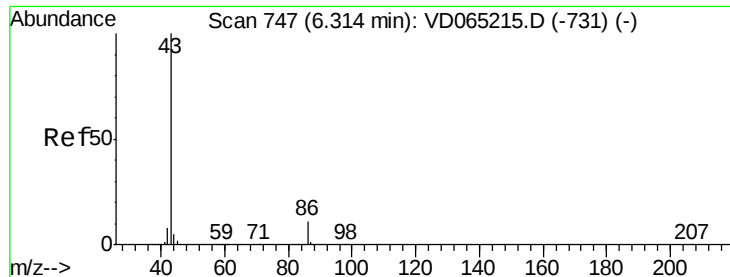
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 94.866 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

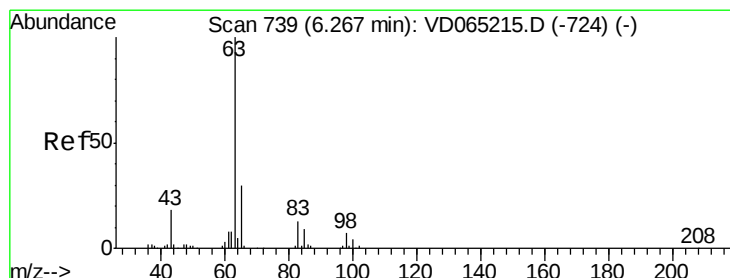
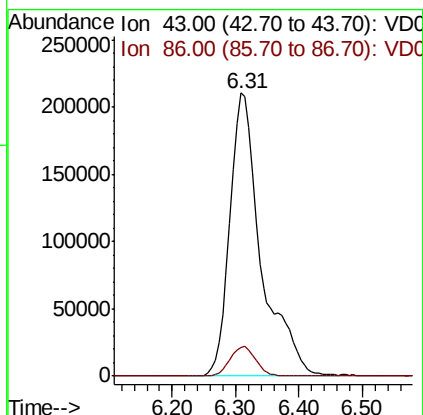
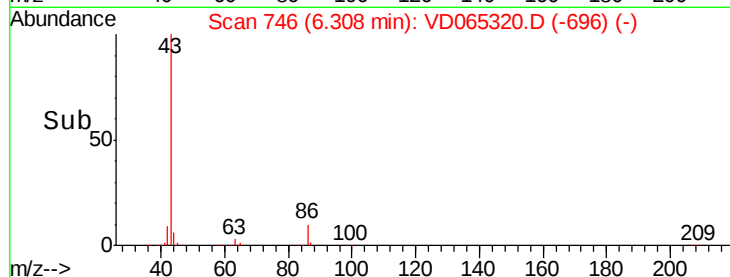
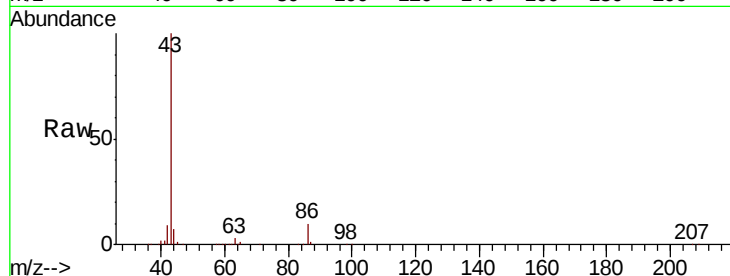
ClientSampleId :

Tot Ion: 43 Resp: 719301

Ion Ratio Lower Upper

43 100

86 10.2 8.6 12.8



#24

1,1-Dichloroethane

Concen: 20.639 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

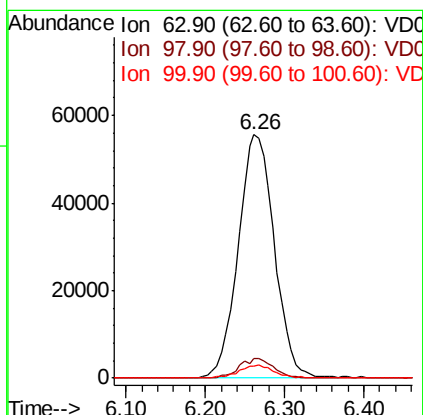
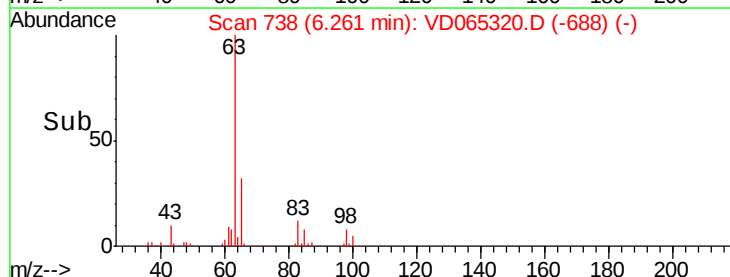
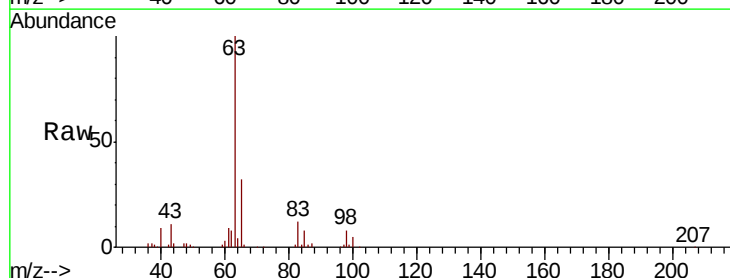
Tgt Ion: 63 Resp: 176070

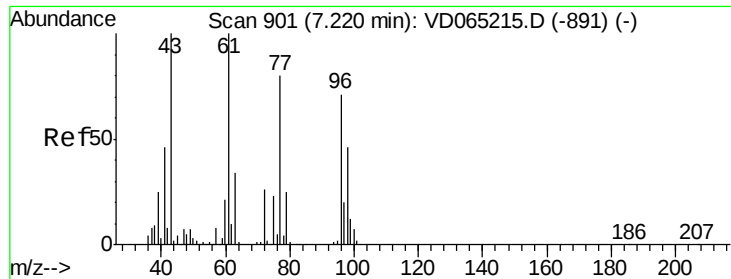
Ion Ratio Lower Upper

63 100

98 7.9 3.4 10.1

100 5.1 2.3 6.8

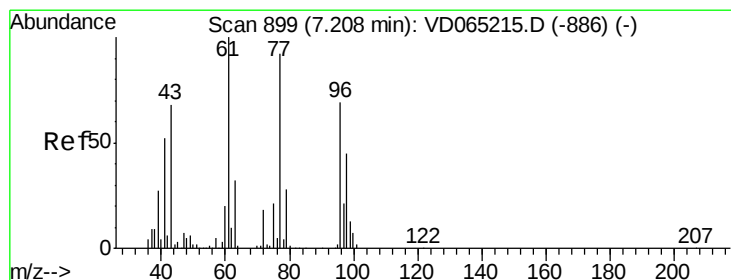
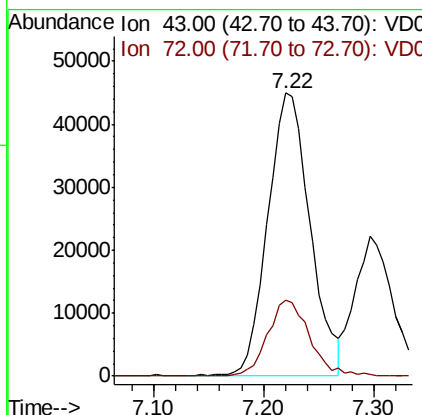
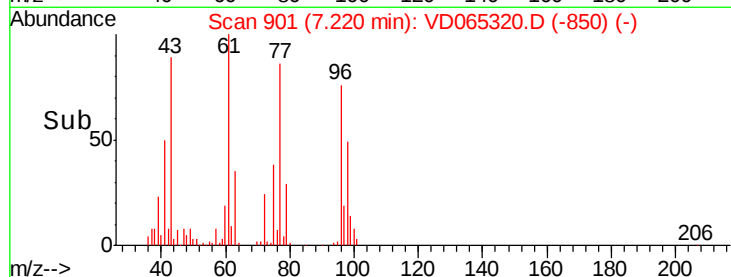
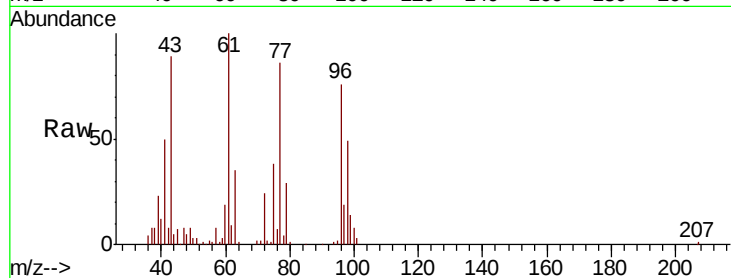




#25
2-Butanone
Concen: 90.999 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

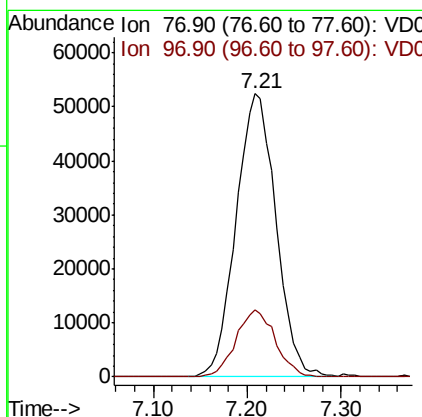
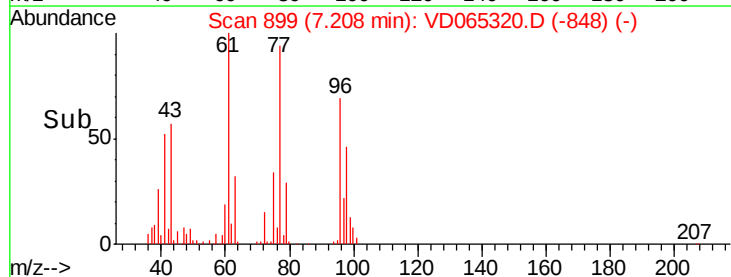
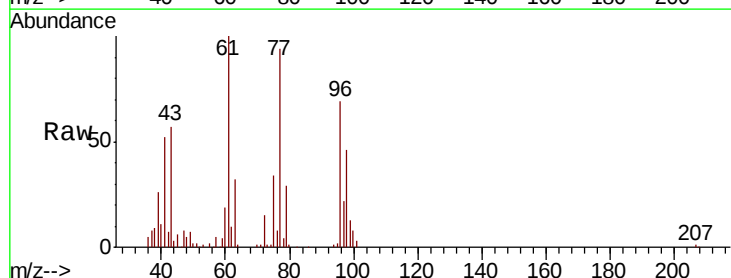
Instrument :
MSVOA_D
ClientSampled :

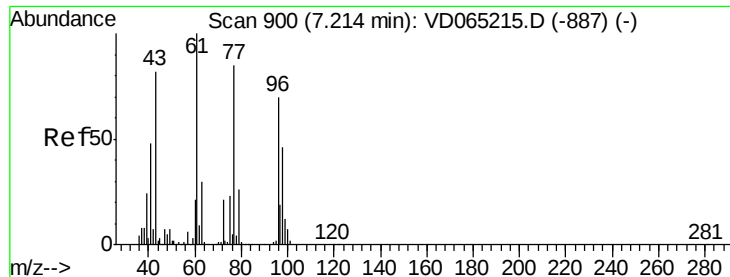
Tot Ion: 43 Resp: 119976
Ion Ratio Lower Upper
43 100
72 26.6 20.9 31.3



#26
2,2-Dichloropropane
Concen: 20.846 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion: 77 Resp: 154297
Ion Ratio Lower Upper
77 100
97 23.3 11.7 35.1



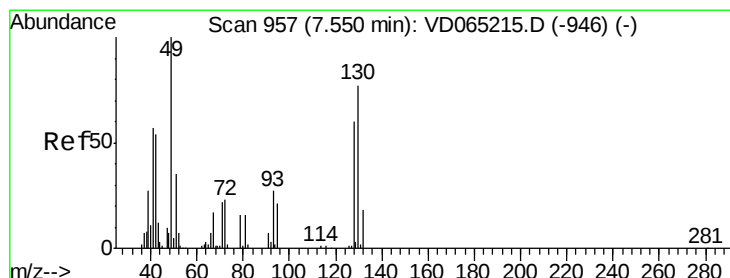
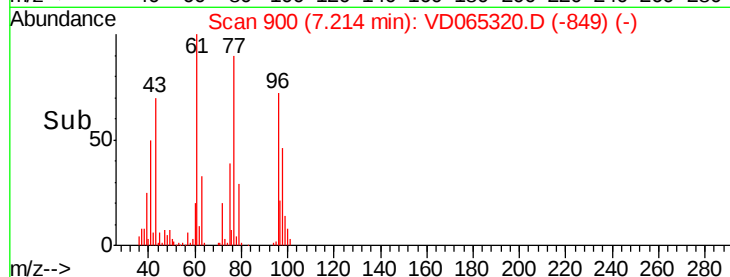
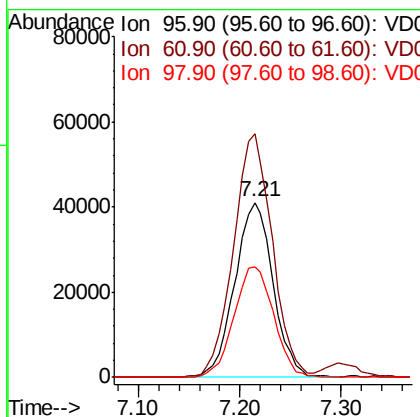
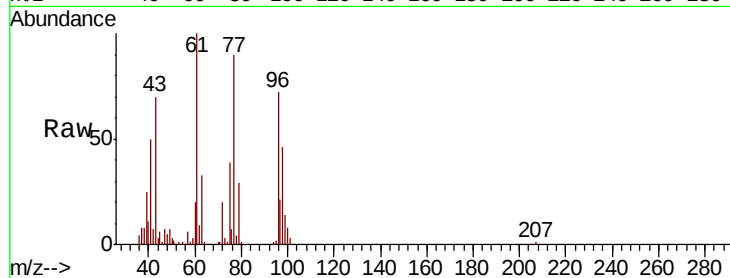


#27

cis-1,2-Dichloroethene
 Concen: 20.379 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Instrument :
 MSVOA_D
 ClientSampleId :

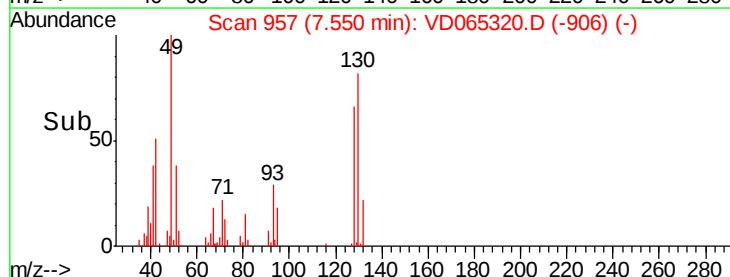
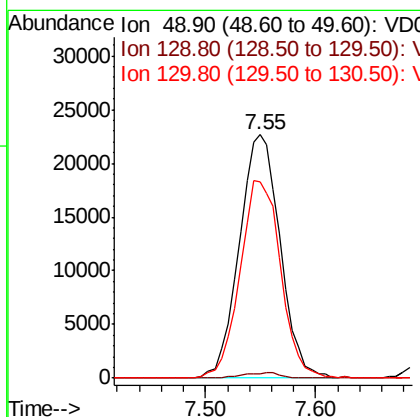
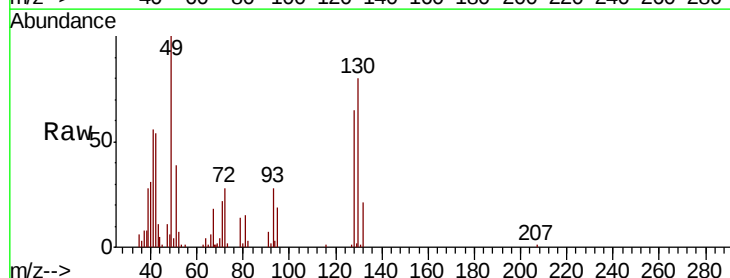
Tot Ion	96	Resp	107813
Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	286.0
98	65.2	0.0	127.8

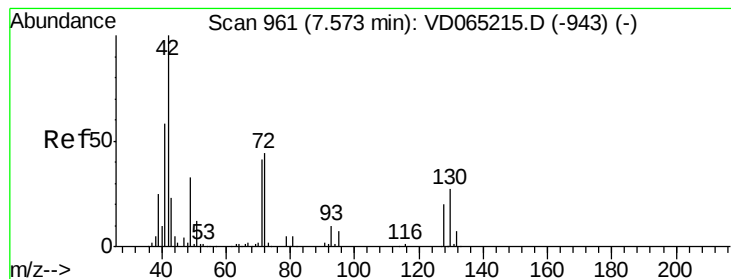


#28

Bromochloromethane
 Concen: 18.576 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion	49	Resp	58791
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	81.0	64.7	97.1





#29

Tetrahydrofuran

Concen: 96.953 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

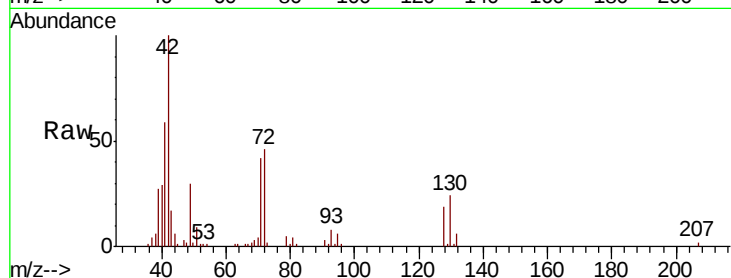
Tot Ion: 42 Resp: 74896

Ion Ratio Lower Upper

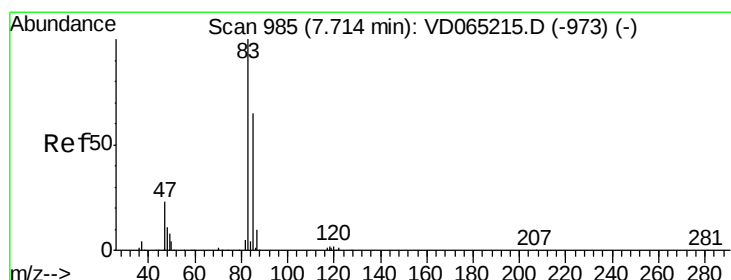
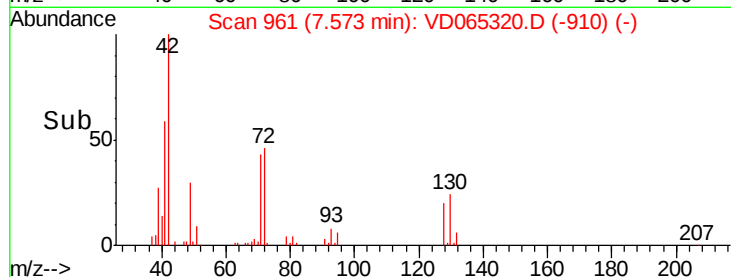
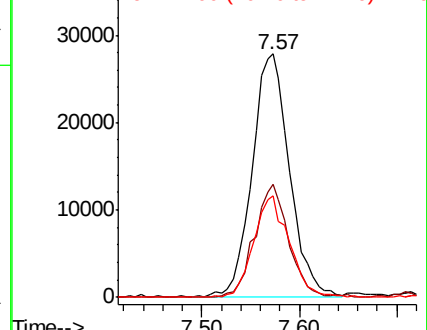
42 100

72 42.3 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: 20.565 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065320.D

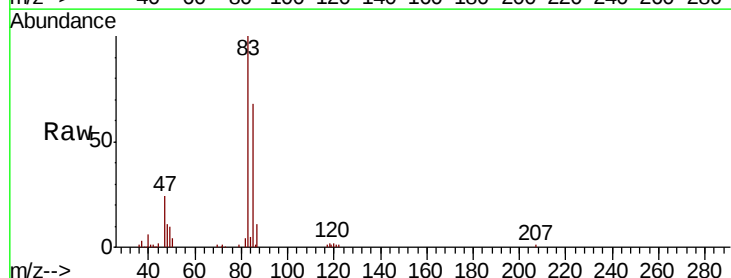
Acq: 26 Feb 2020 11:29

Tgt Ion: 83 Resp: 176752

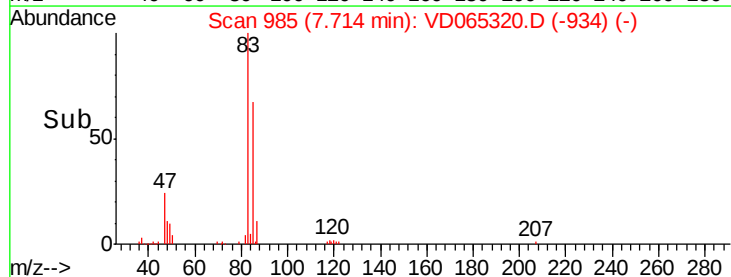
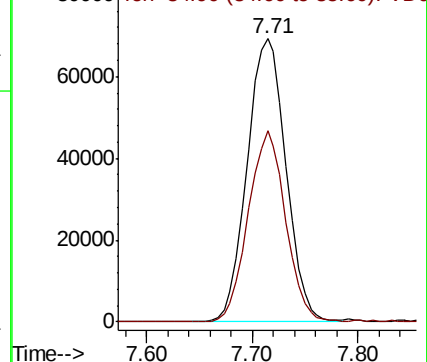
Ion Ratio Lower Upper

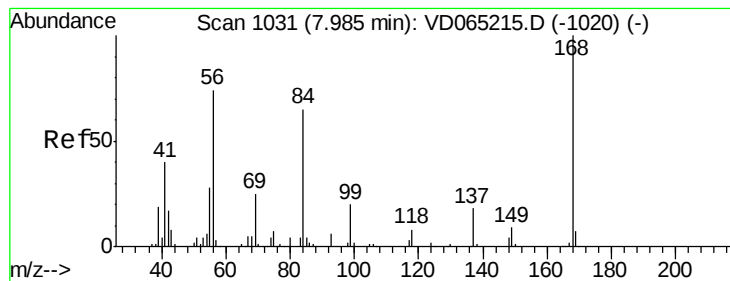
83 100

85 67.6 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: 20.221 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampled :

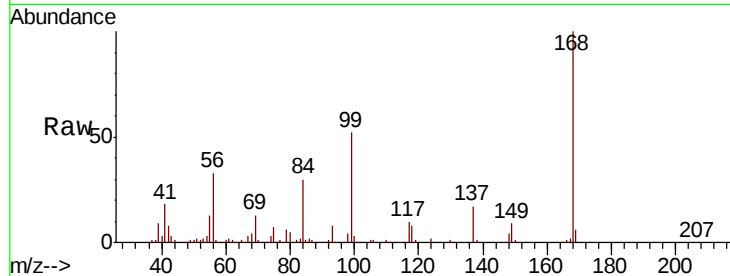
Tot Ion: 56 Resp: 169492

Ion Ratio Lower Upper

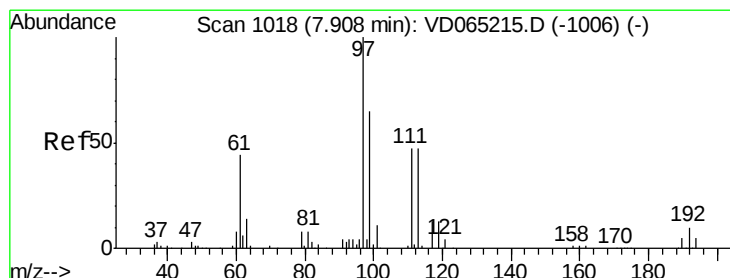
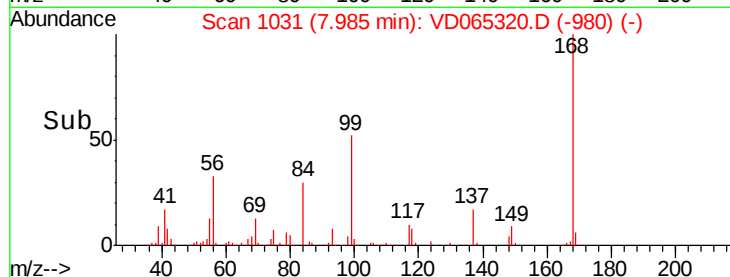
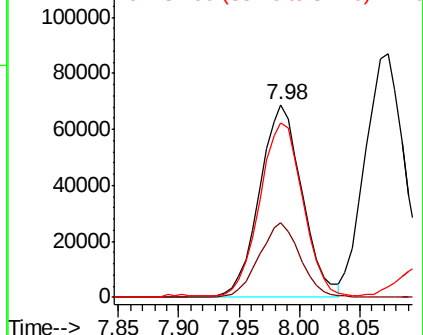
56 100

69 38.6 27.4 41.0

84 89.5 71.1 106.7



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



#32

1,1,1-Trichloroethane

Concen: 21.019 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

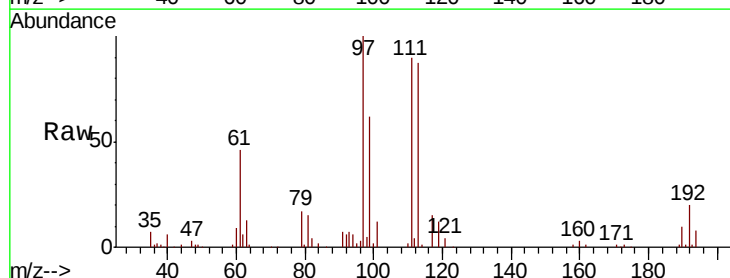
Tgt Ion: 97 Resp: 161627

Ion Ratio Lower Upper

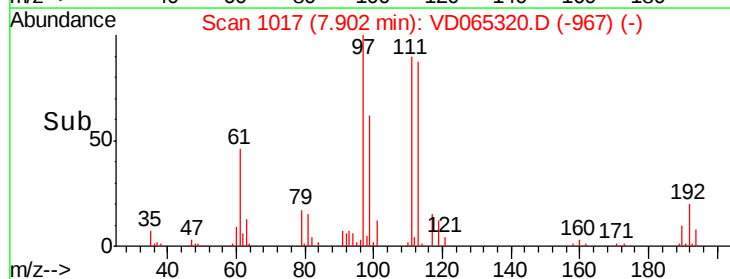
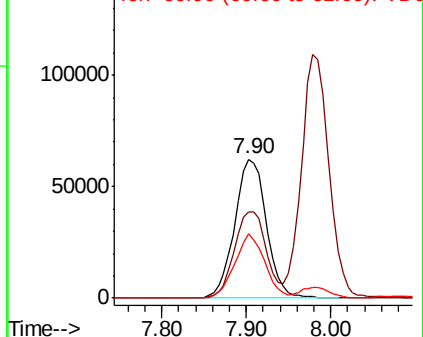
97 100

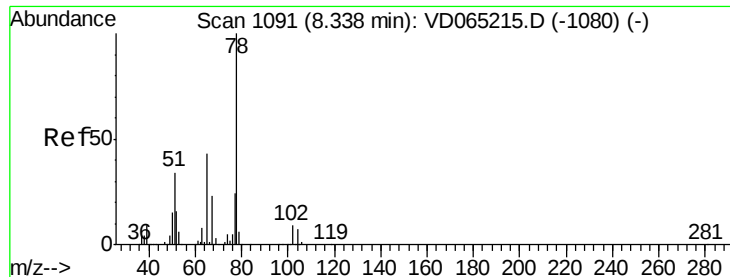
99 63.7 51.4 77.2

61 43.4 34.8 52.2



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





#33

1,2-Dichloroethane-d4

Concen: 49.308 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

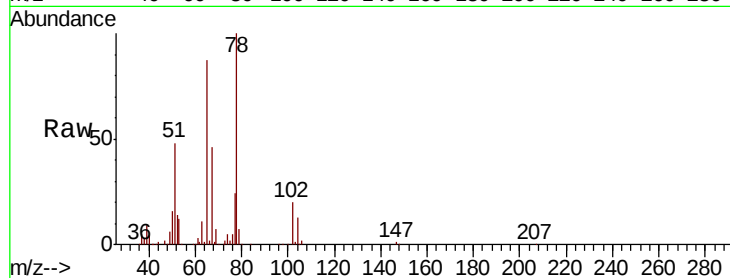
ClientSampled :

Tot Ion: 65 Resp: 210194

Ion Ratio Lower Upper

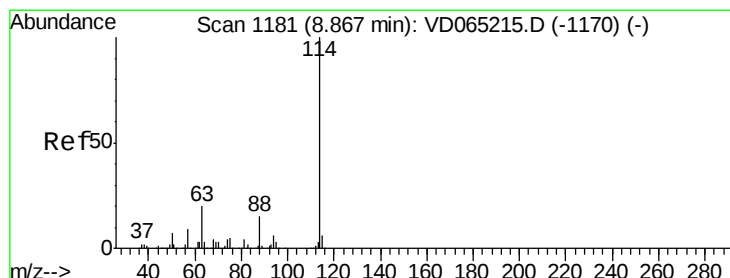
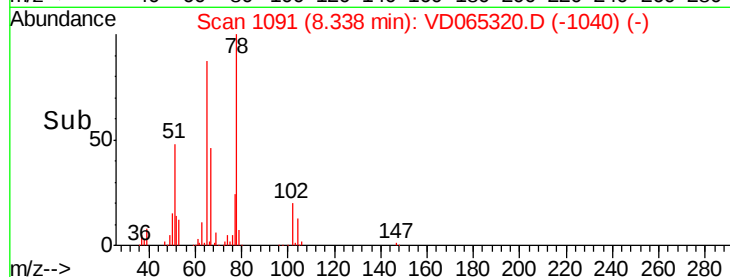
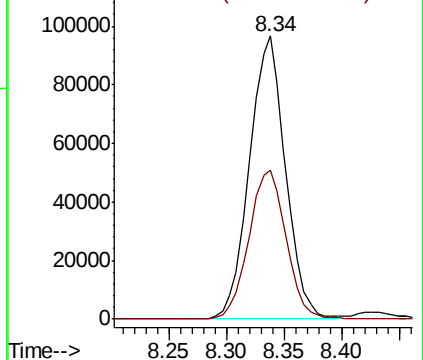
65 100

67 54.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

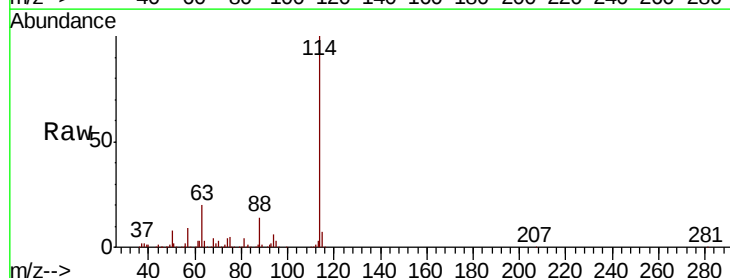
Tgt Ion: 114 Resp: 695401

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

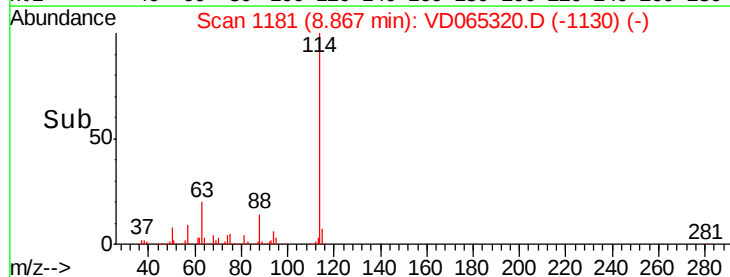
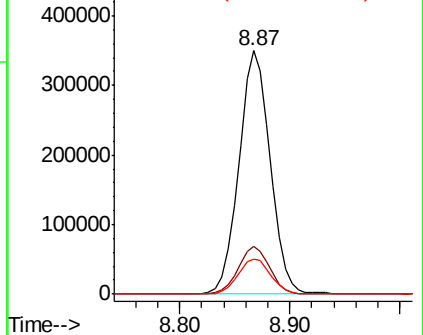
88 14.5 0.0 30.4

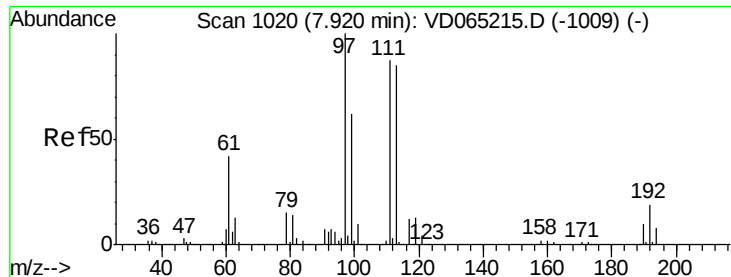


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

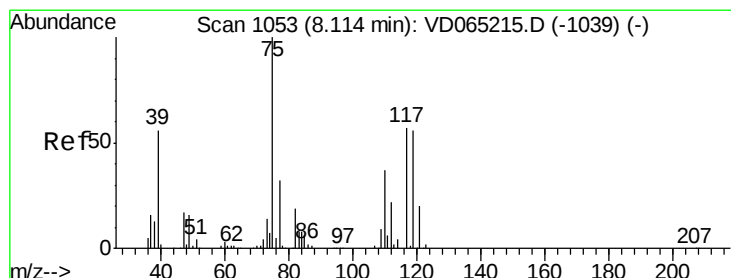
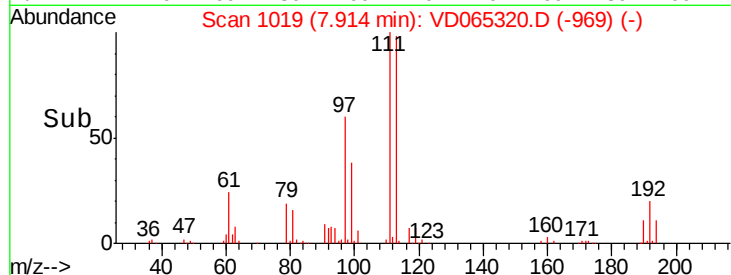
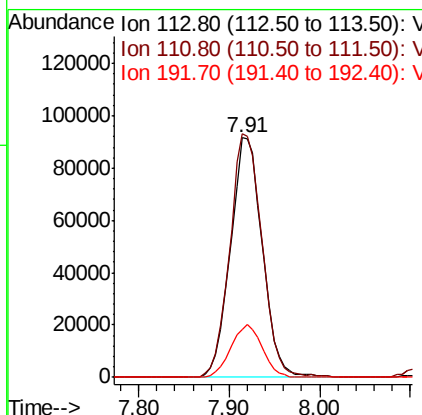
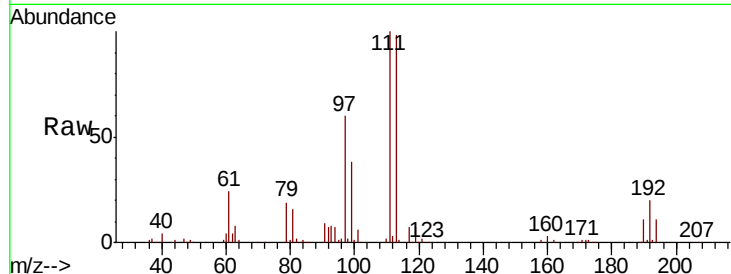




#35
 Dibromofluoromethane
 Concen: 52.814 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

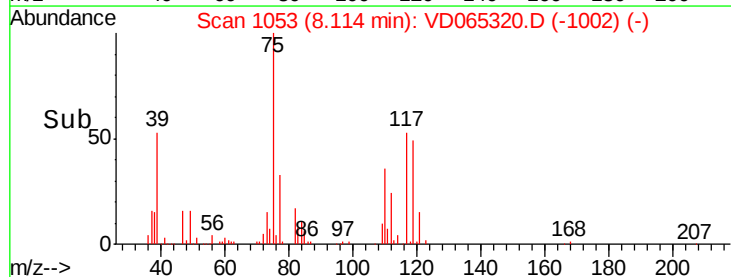
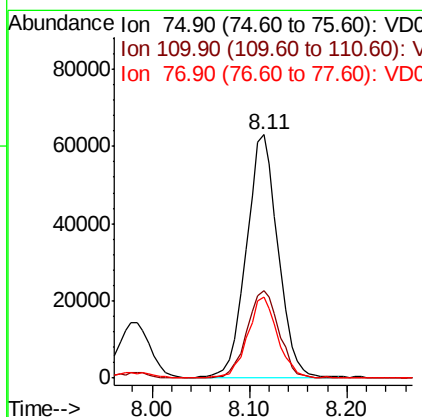
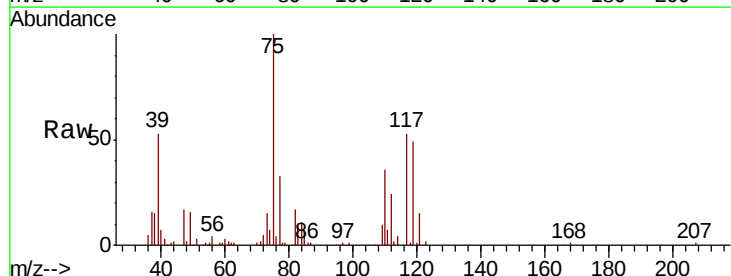
Instrument :
 MSVOA_D
 ClientSampled :

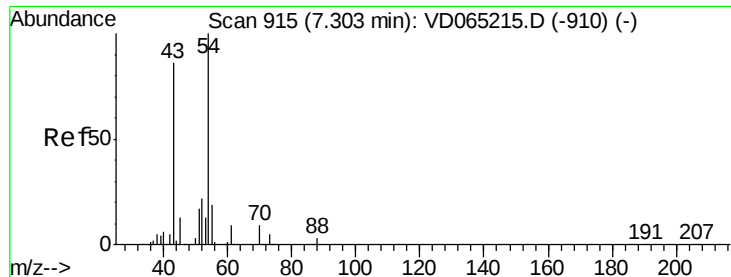
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	21.7	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 21.053 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.9	53.7
77	32.3	25.1	37.7

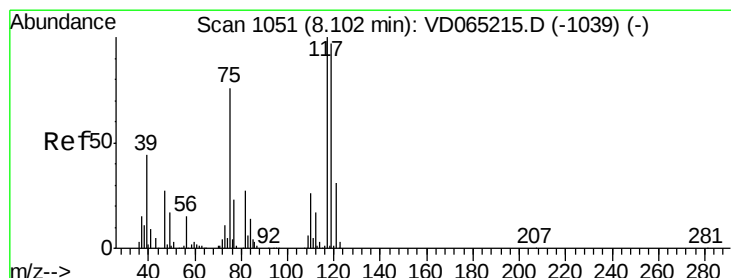
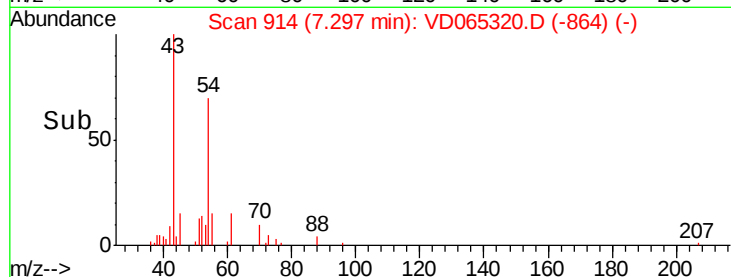
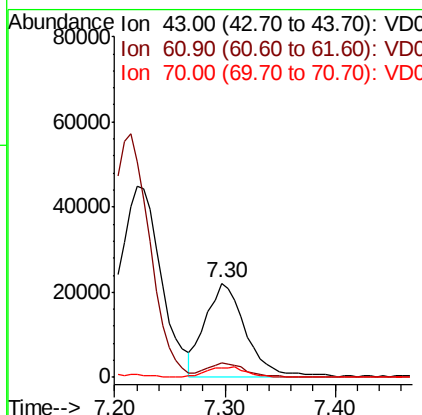
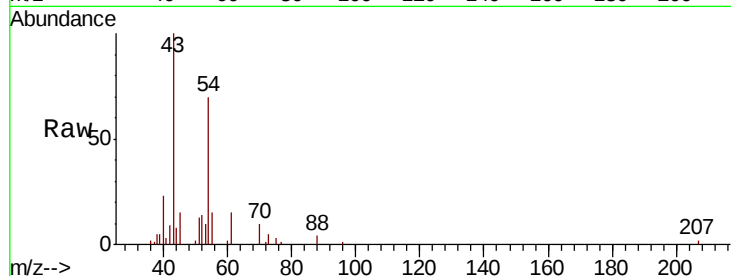




#37
Ethyl Acetate
Concen: 19.623 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

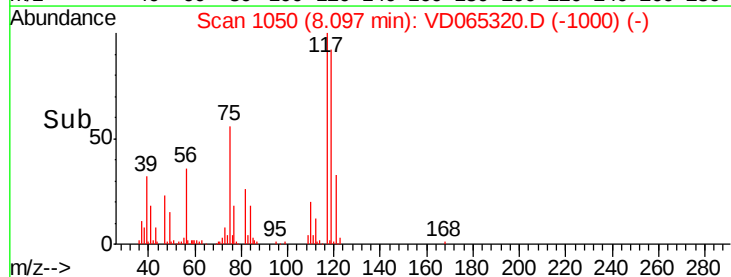
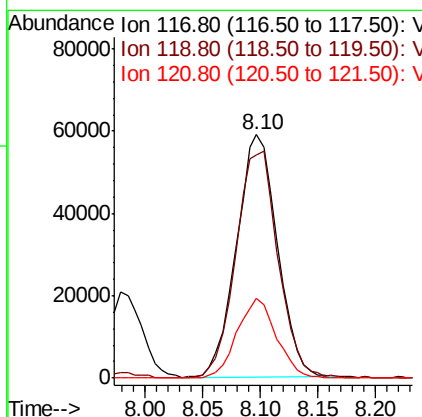
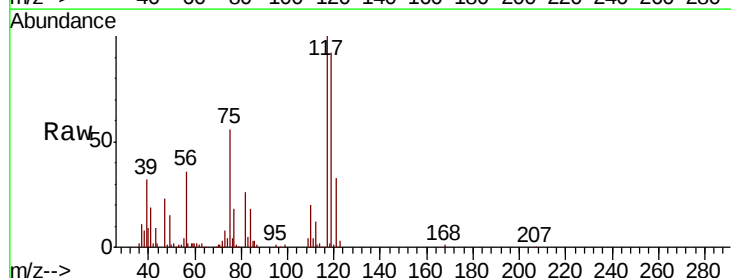
Instrument :
MSVOA_D
ClientSampleId :

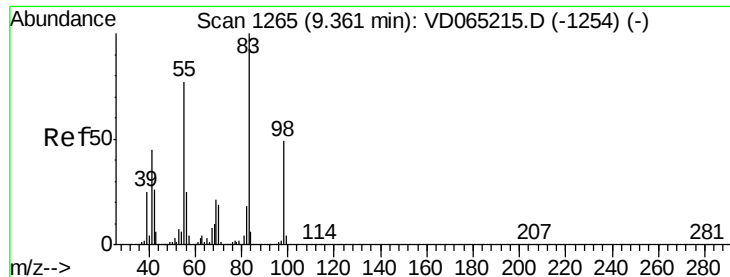
Tot Ion: 43 Resp: 55505
Ion Ratio Lower Upper
43 100
61 14.1 11.2 16.8
70 11.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.066 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion: 117 Resp: 145105
Ion Ratio Lower Upper
117 100
119 92.0 77.6 116.4
121 32.7 24.8 37.2

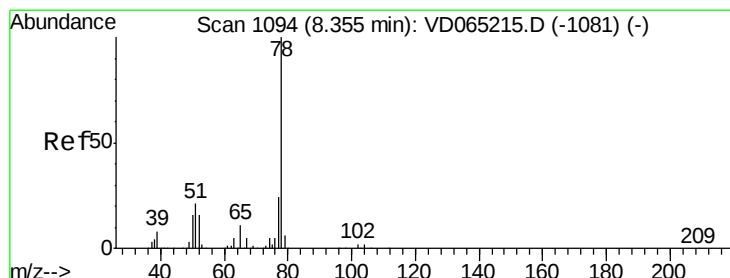
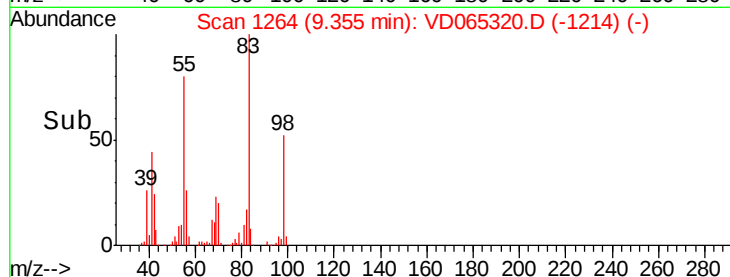
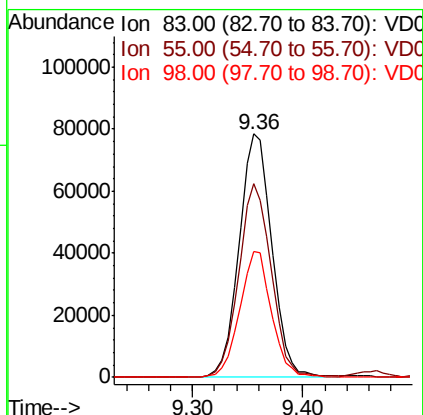
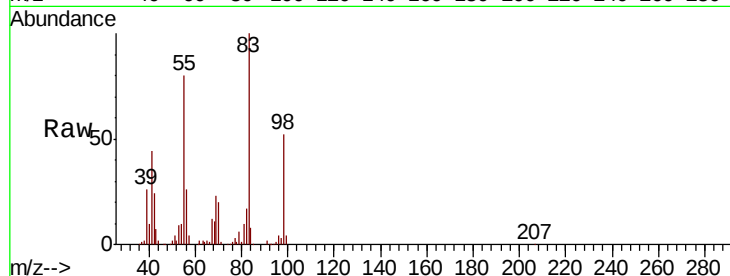




#39
Methvlcvclohexane
Concen: 20.625 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

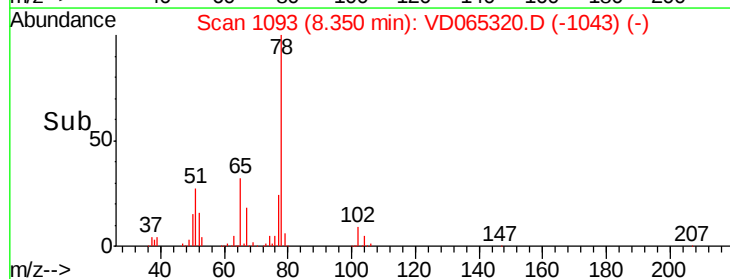
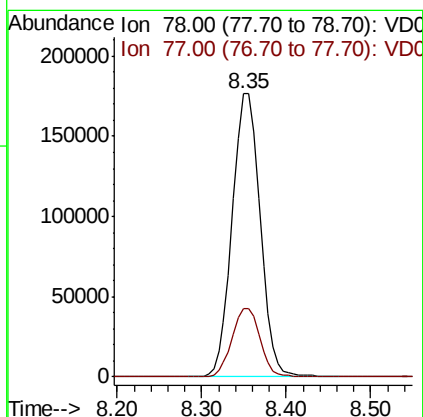
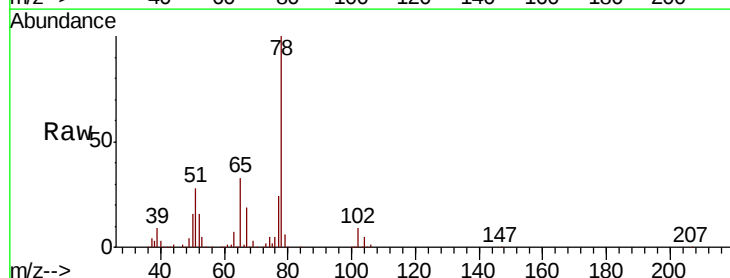
Instrument :
MSVOA_D
ClientSampled :

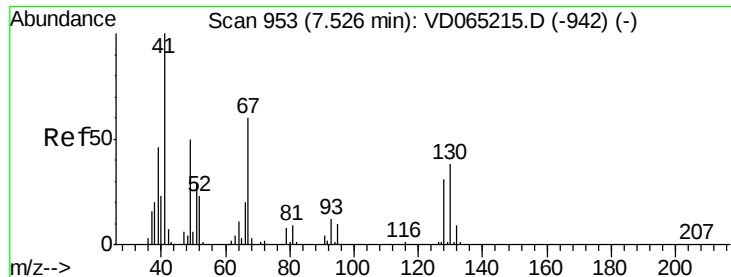
Tot Ion	83	Resp	164065
Ion Ratio	Lower	Upper	
83	100		
55	79.8	61.8	92.6
98	51.6	39.4	59.0



#40
Benzene
Concen: 21.239 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	78	Resp	405631
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.0	28.6

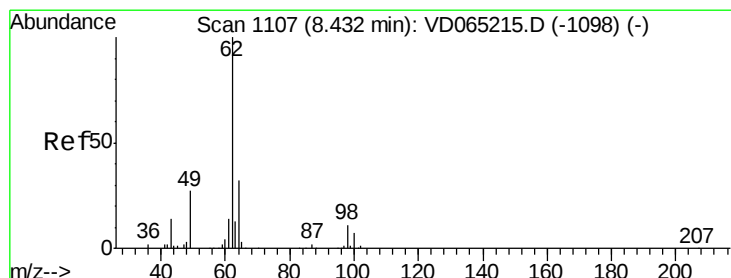
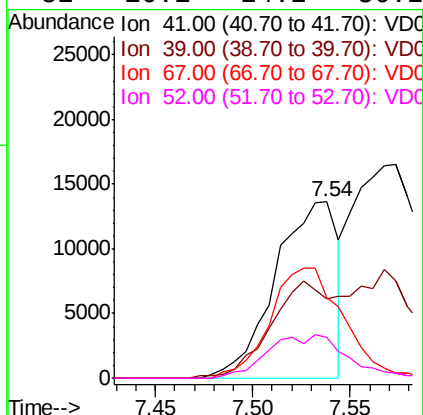
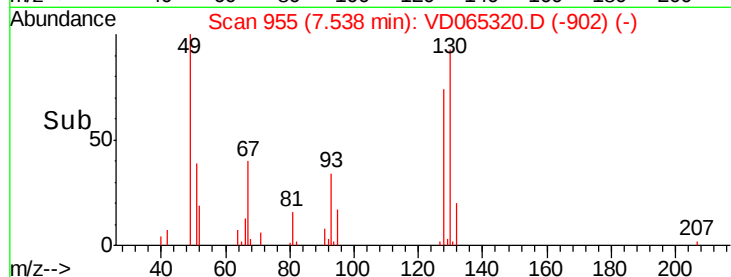
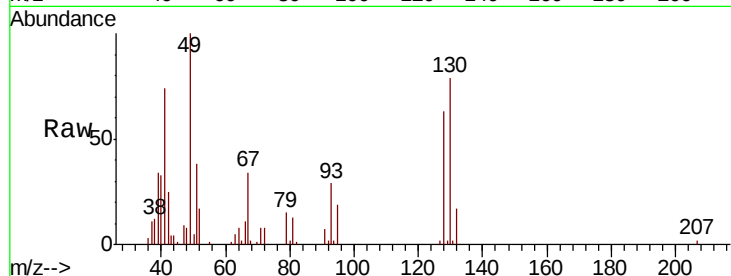




#41
Methacrylonitrile
Concen: 18.458 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

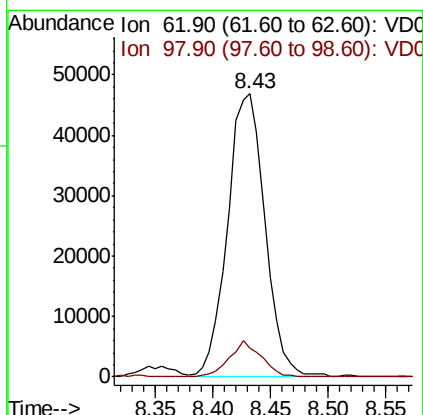
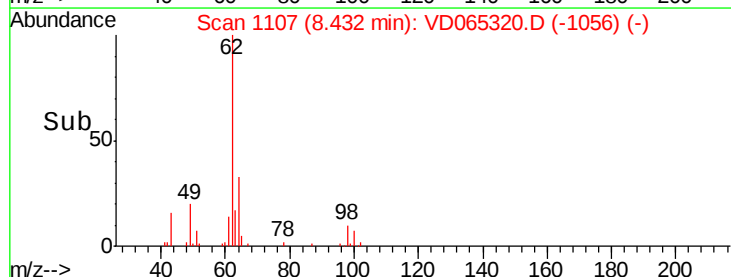
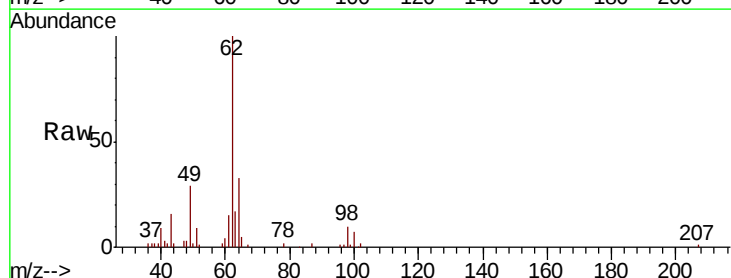
Instrument :
MSVOA_D
ClientSampled :

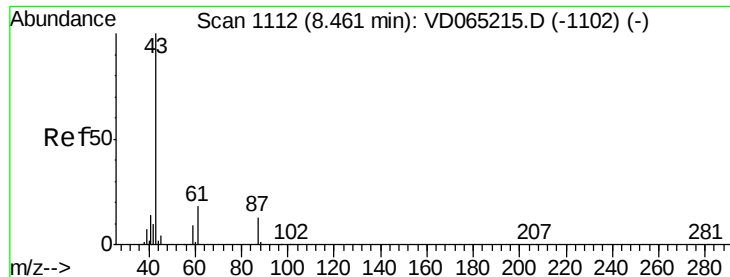
Tot Ion	Ratio	Lower	Upper
41	100		
39	49.1	48.1	72.1
67	73.3	58.9	88.3
52	16.1	24.2	36.2



#42
1,2-Dichloroethane
Concen: 19.943 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.674 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

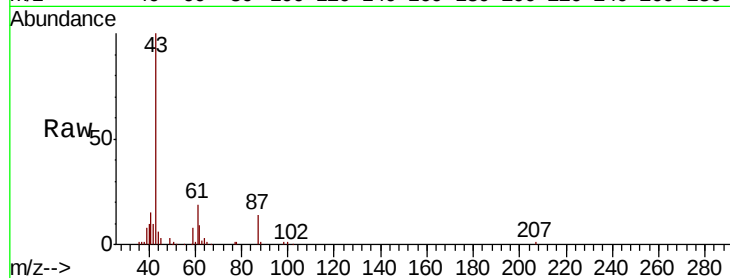
Tot Ion: 43 Resp: 101200

Ion Ratio Lower Upper

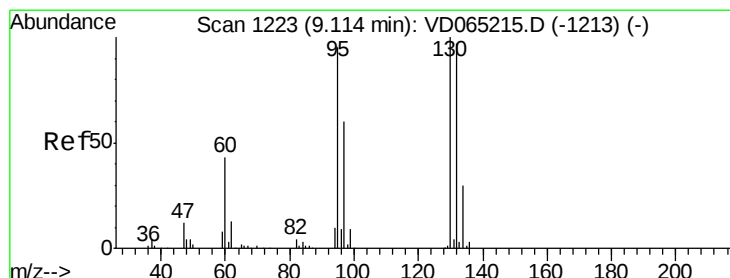
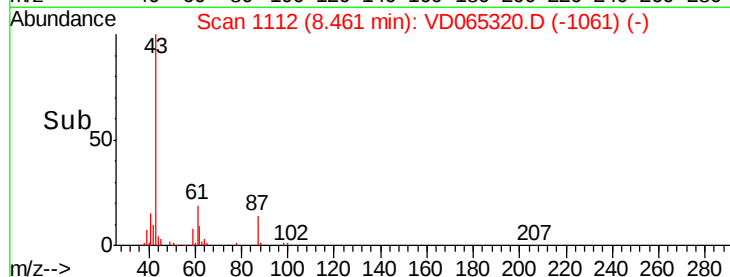
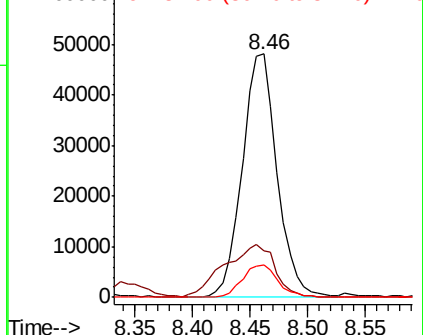
43 100

61 31.8 24.6 36.8

87 13.6 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: 21.649 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065320.D

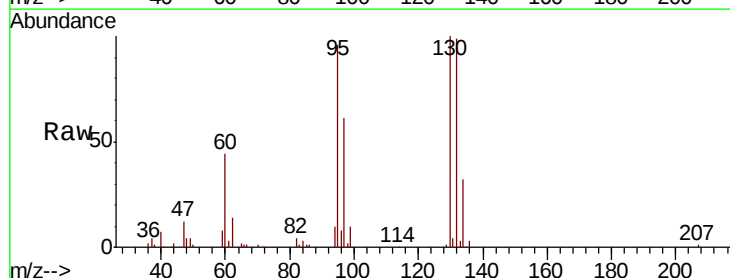
Acq: 26 Feb 2020 11:29

Tgt Ion:130 Resp: 114611

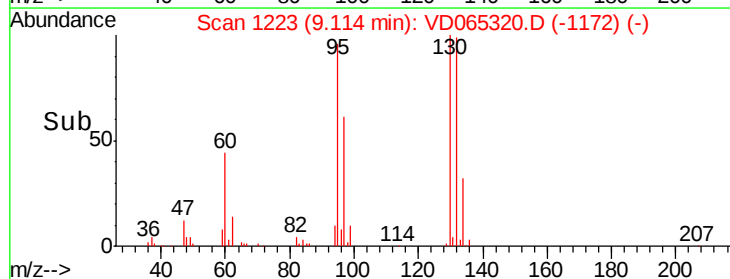
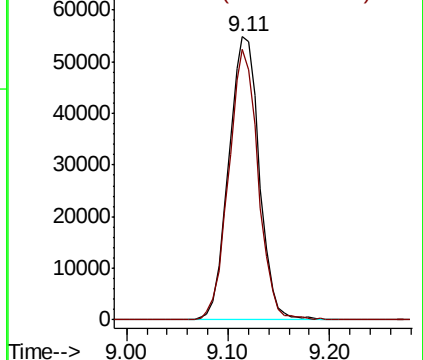
Ion Ratio Lower Upper

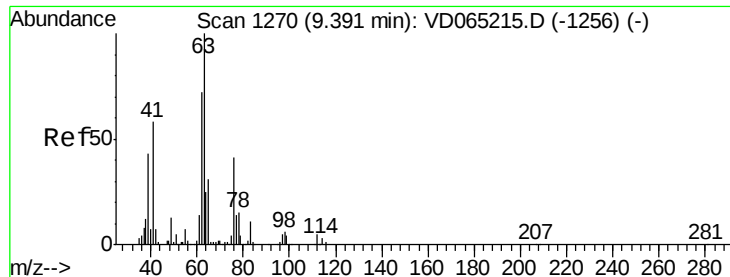
130 100

95 95.6 0.0 190.6



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





#45

1,2-Dichloropropane

Concen: 21.032 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

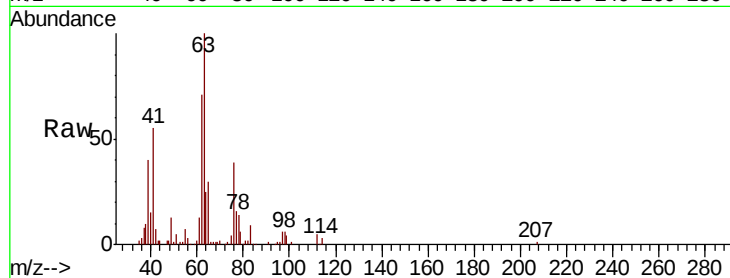
ClientSampled :

Tot Ion: 63 Resp: 99879

Ion Ratio Lower Upper

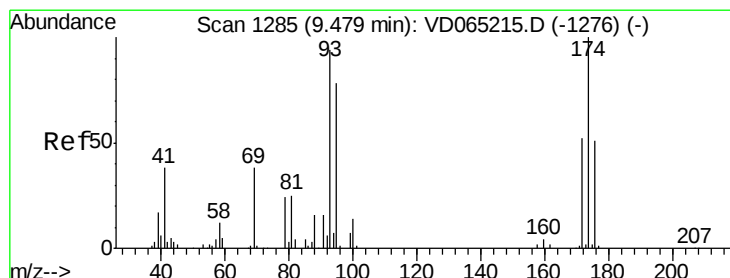
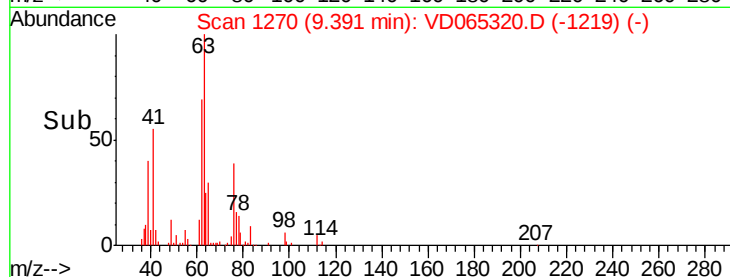
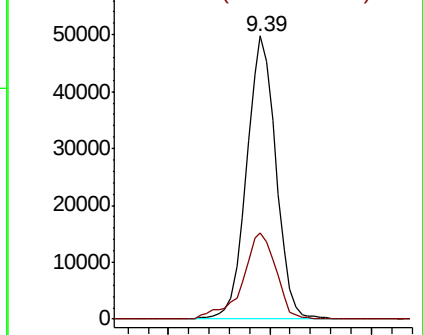
63 100

65 30.3 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.653 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

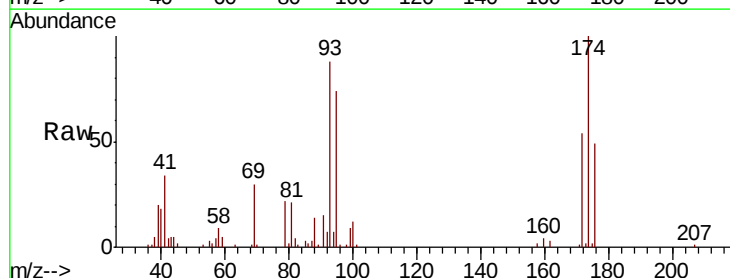
Tgt Ion: 93 Resp: 50464

Ion Ratio Lower Upper

93 100

95 83.8 65.8 98.6

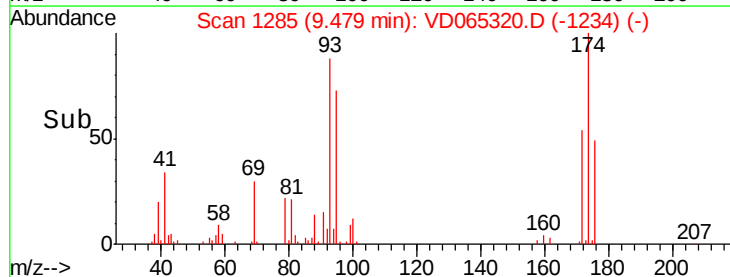
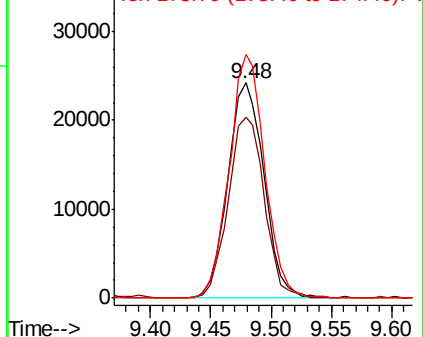
174 111.3 86.8 130.2

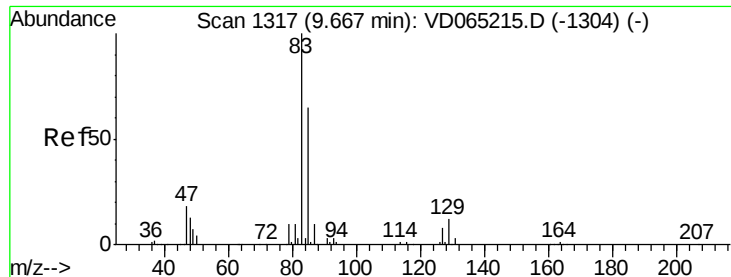


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

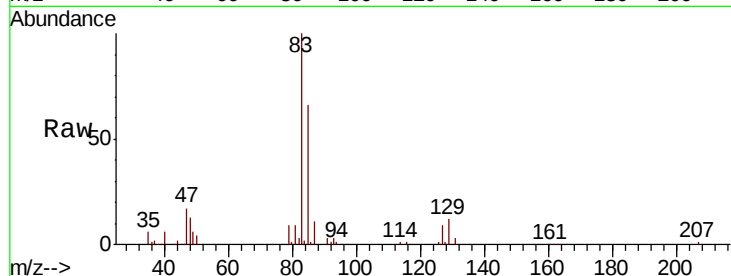




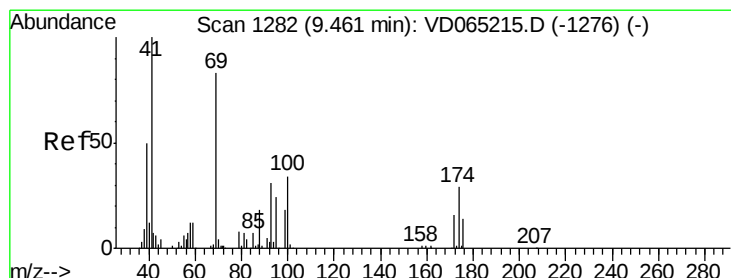
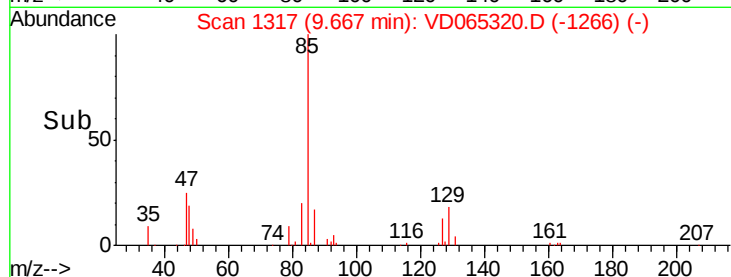
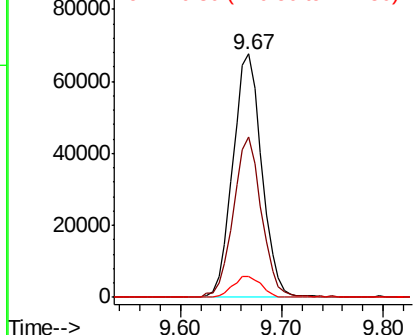
#47
Bromodichloromethane
Concen: 20.792 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 133890
Ion Ratio Lower Upper
83 100
85 65.8 52.0 78.0
127 8.7 6.7 10.1

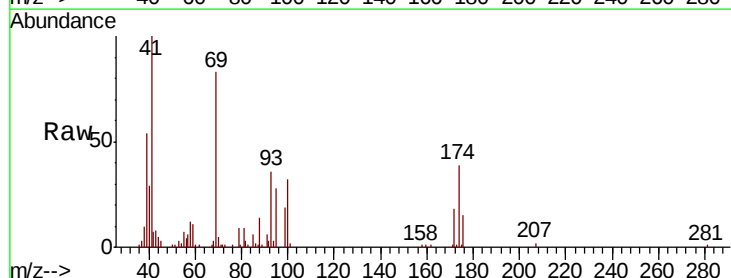


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

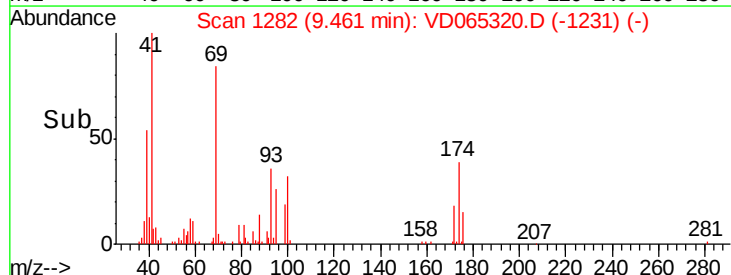
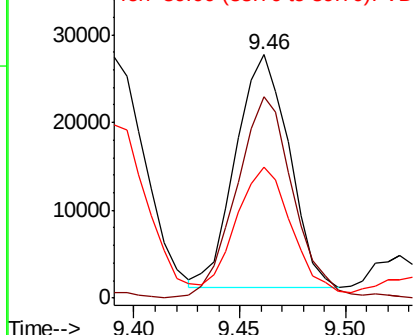


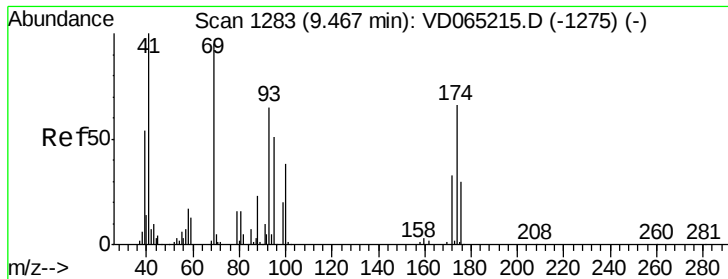
#48
Methyl methacrylate
Concen: 19.654 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion: 41 Resp: 46730
Ion Ratio Lower Upper
41 100
69 92.1 68.2 102.2
39 54.5 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

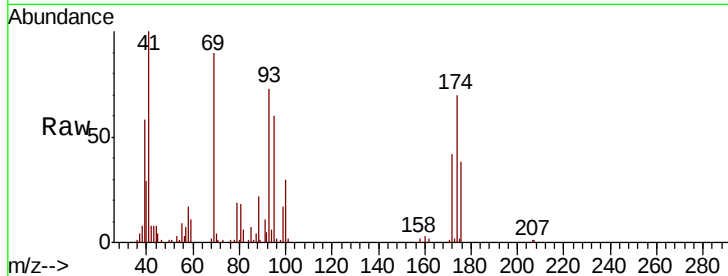




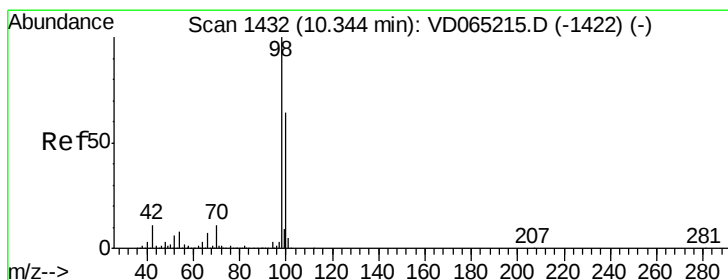
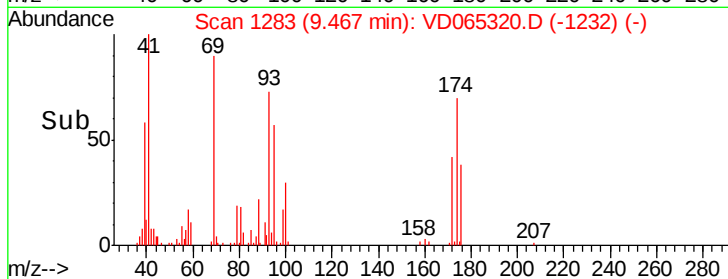
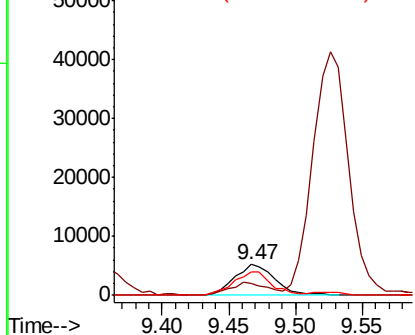
#49
1,4-Dioxane
Concen: 378.602 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 10850
Ion Ratio Lower Upper
88 100
43 41.0 28.5 42.7
58 72.6 58.6 87.8

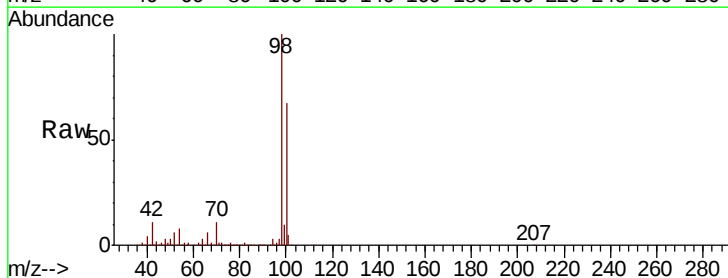


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

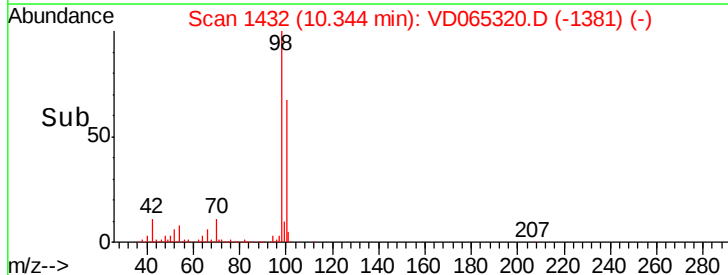
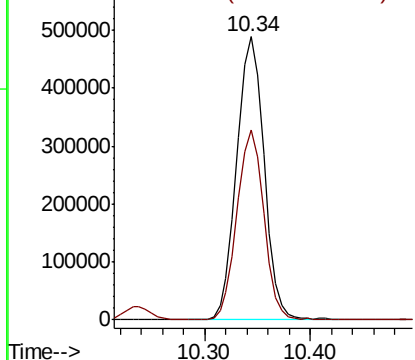


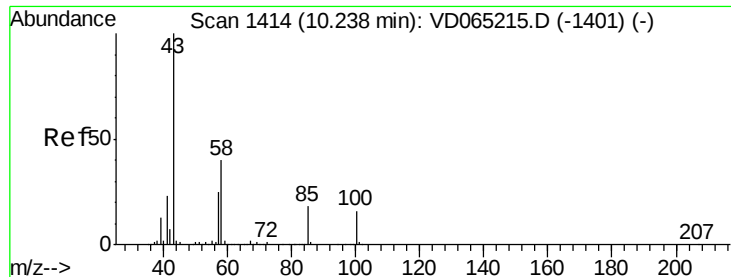
#50
Toluene-d8
Concen: 54.371 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion: 98 Resp: 881333
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0



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





#51

4-Methyl-2-Pentanone

Concen: 100.075 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

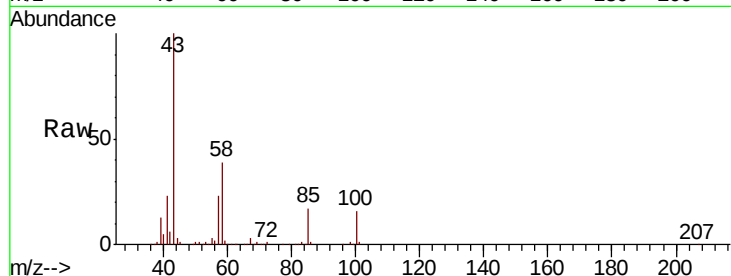
ClientSampleId :

Tot Ion: 43 Resp: 261453

Ion Ratio Lower Upper

43 100

58 38.5 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

150000

100000

50000

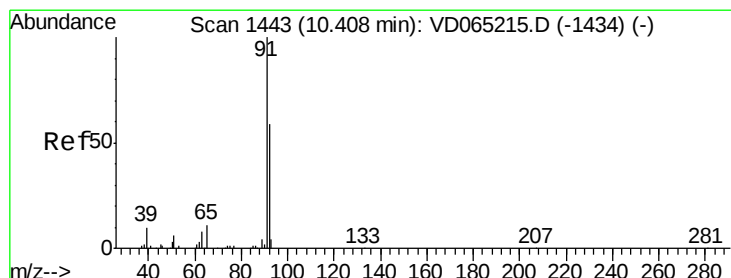
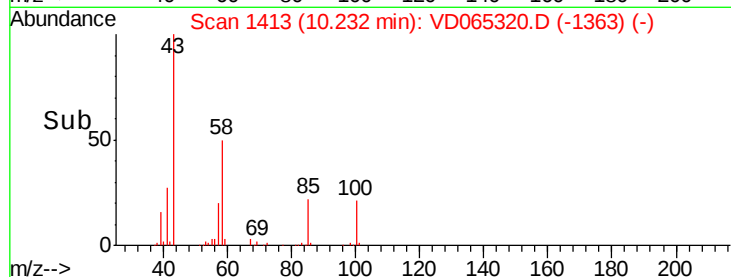
0

10.20

10.23

10.30

Time-->



#52

Toluene

Concen: 21.935 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065320.D

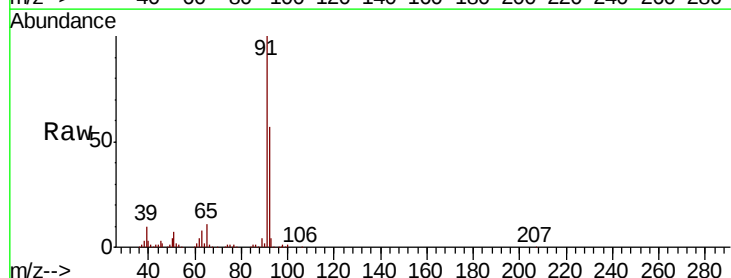
Acq: 26 Feb 2020 11:29

Tgt Ion: 92 Resp: 259310

Ion Ratio Lower Upper

92 100

91 173.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

100000

50000

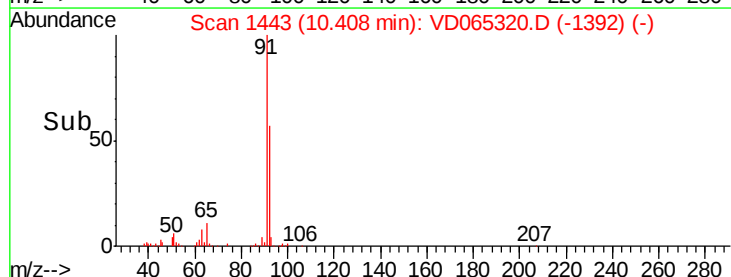
0

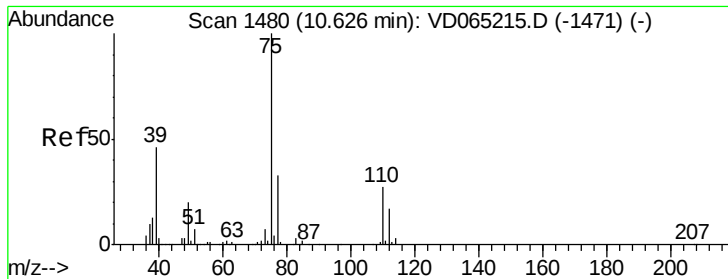
10.30

10.41

10.50

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.494 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

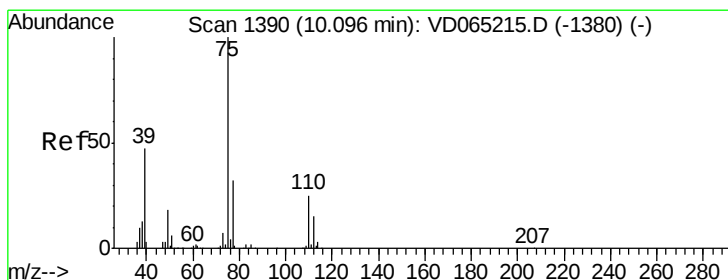
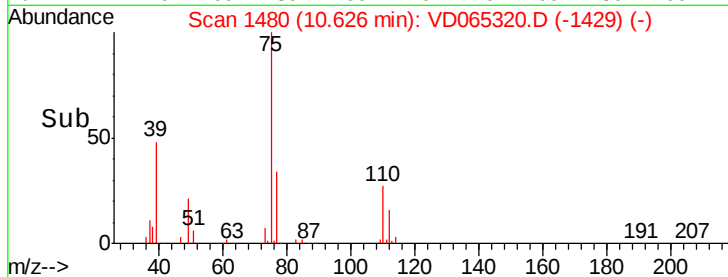
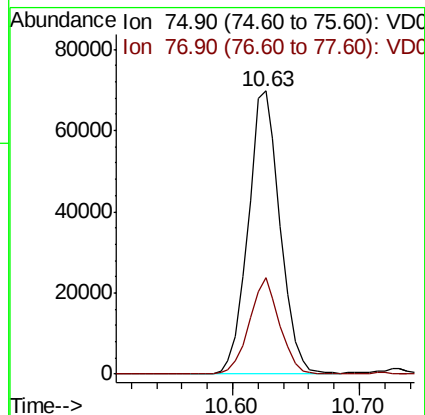
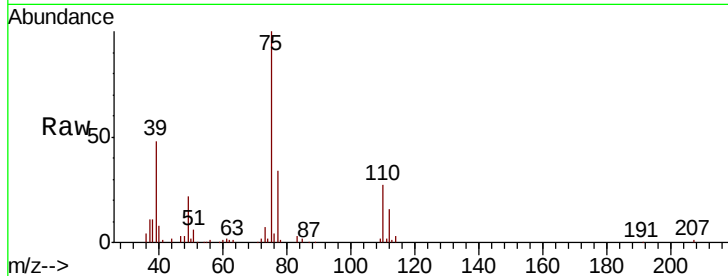
ClientSampleId :

Tot Ion: 75 Resp: 122324

Ion Ratio Lower Upper

75 100

77 34.0 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 20.669 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

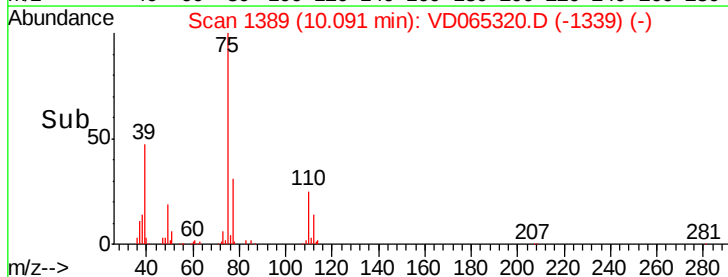
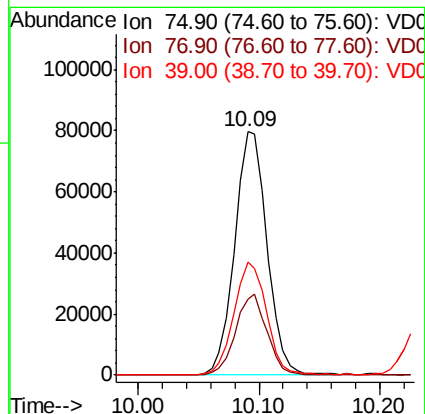
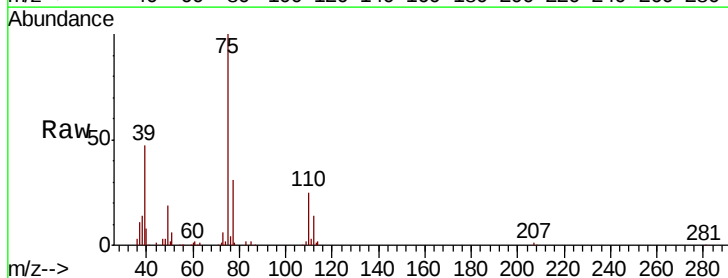
Tgt Ion: 75 Resp: 148970

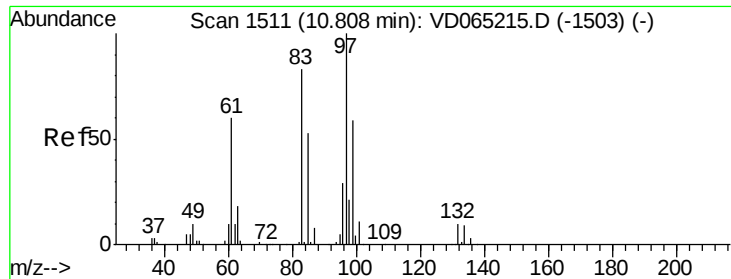
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

39 46.6 37.3 55.9

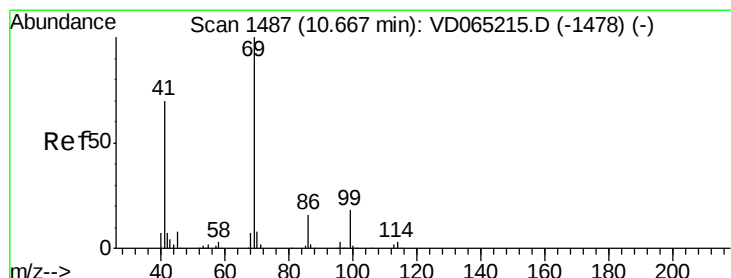
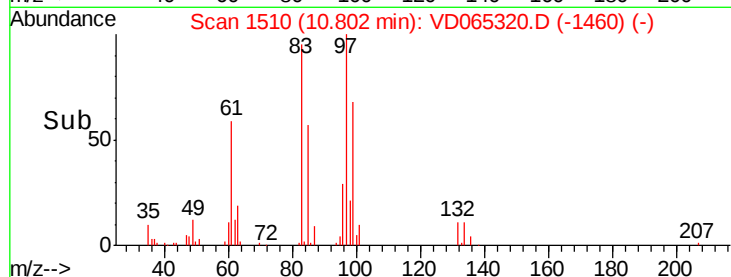
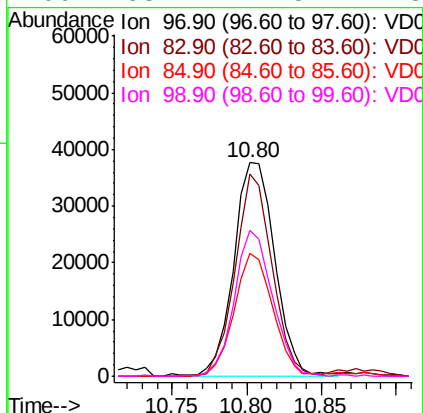
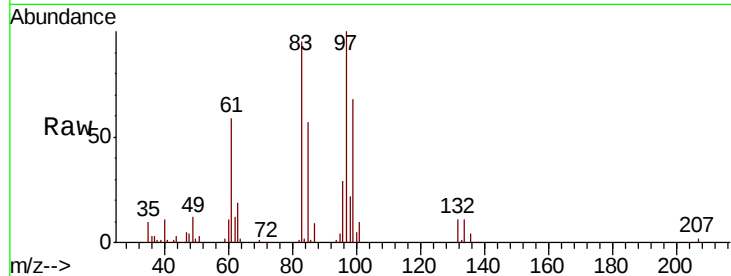




#55
 1,1,2-Trichloroethane
 Concen: 20.969 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

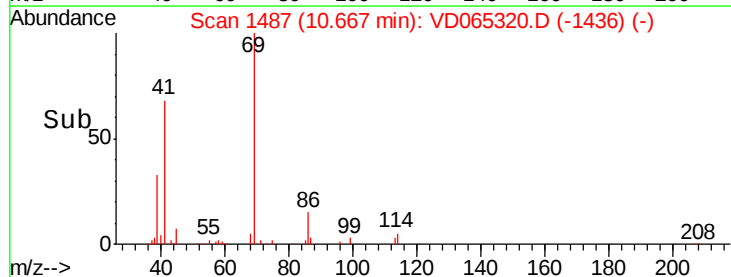
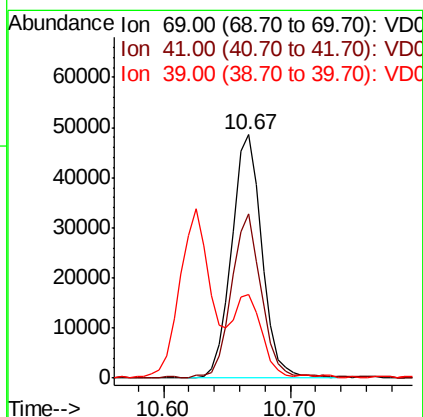
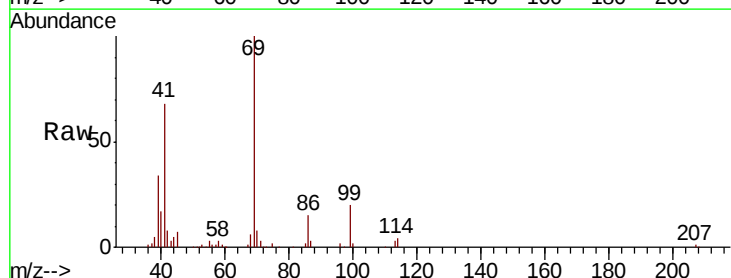
Instrument :
 MSVOA_D
 ClientSampleId :

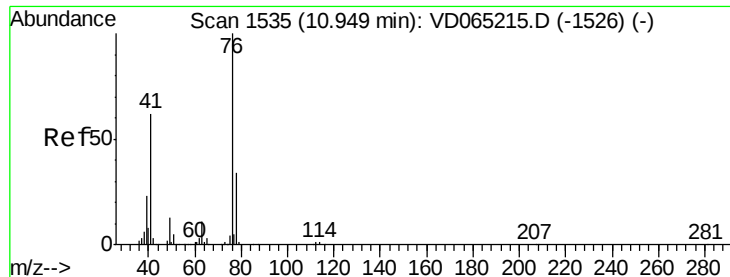
Tot Ion:	97	Resp:	72116
Ion	Ratio	Lower	Upper
97	100		
83	95.4	66.7	100.1
85	57.7	42.4	63.6
99	68.4	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 20.173 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion:	69	Resp:	80078
Ion	Ratio	Lower	Upper
69	100		
41	65.6	54.6	81.8
39	29.9	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.908 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

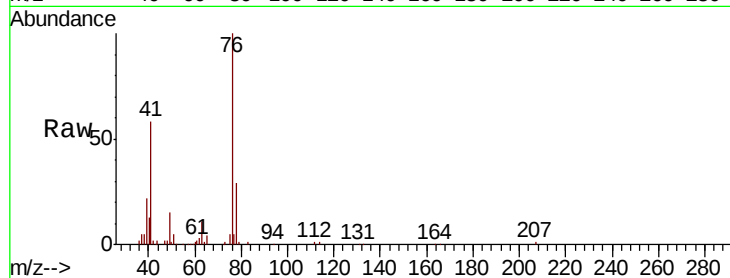
ClientSampleId :

Tot Ion: 76 Resp: 122380

Ion Ratio Lower Upper

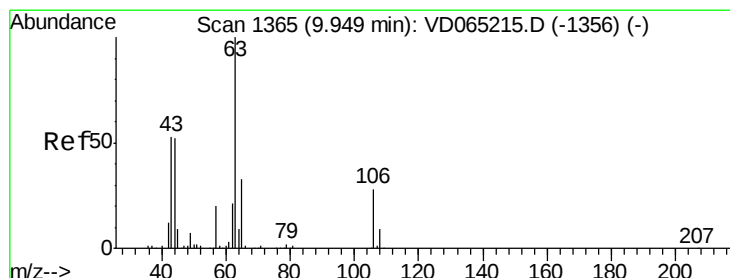
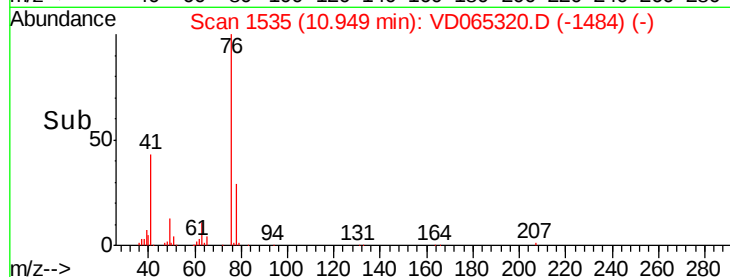
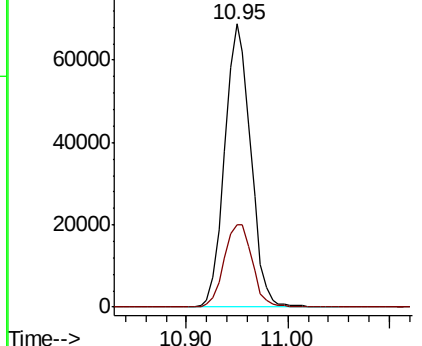
76 100

78 31.6 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 98.188 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065320.D

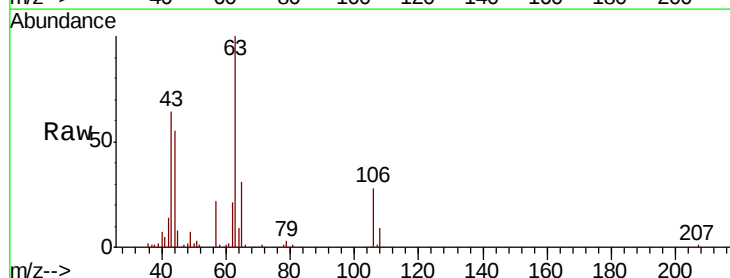
Acq: 26 Feb 2020 11:29

Tgt Ion: 63 Resp: 122881

Ion Ratio Lower Upper

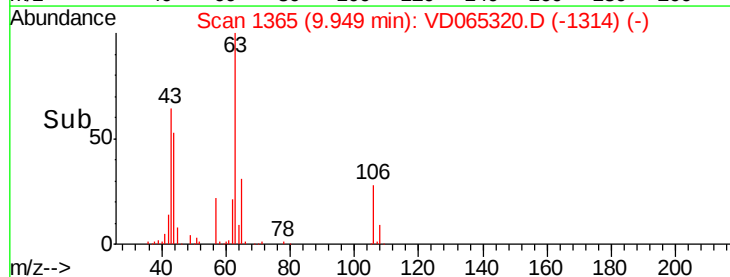
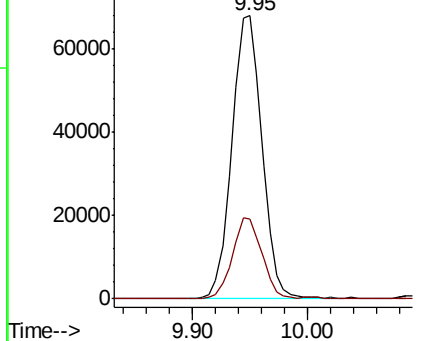
63 100

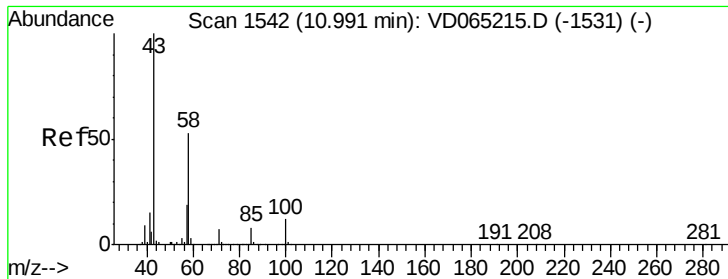
106 27.8 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

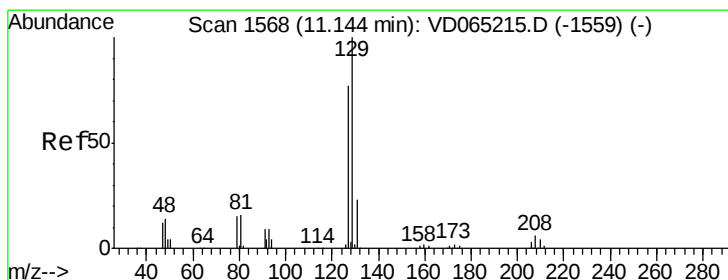
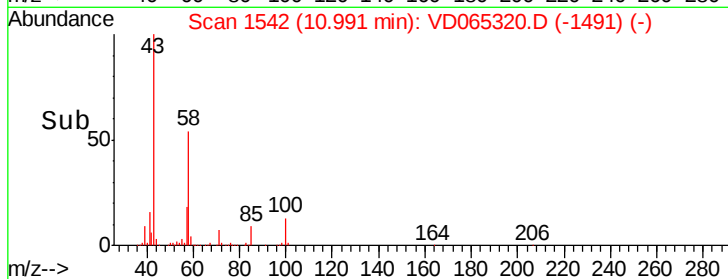
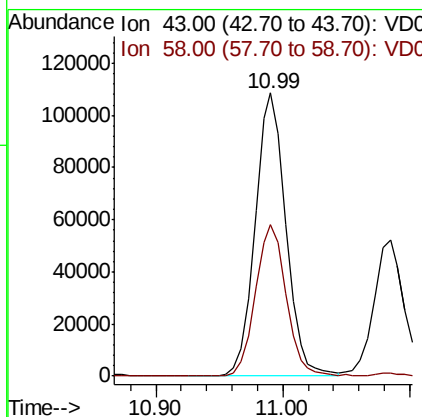
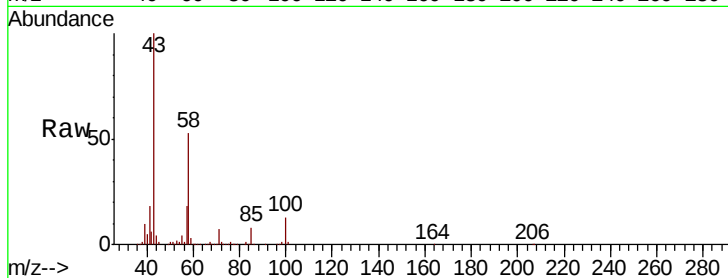




#59
2-Hexanone
Concen: 98.338 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

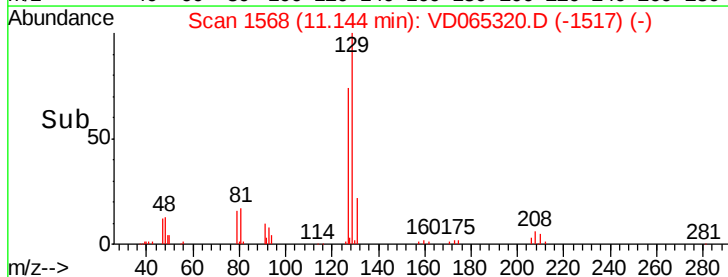
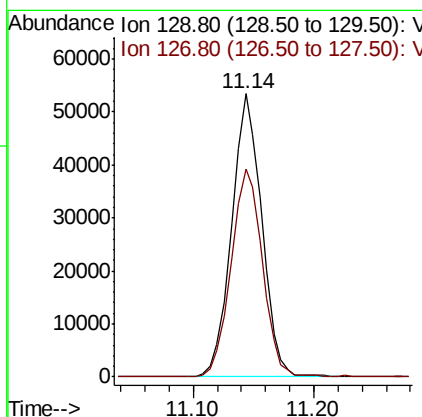
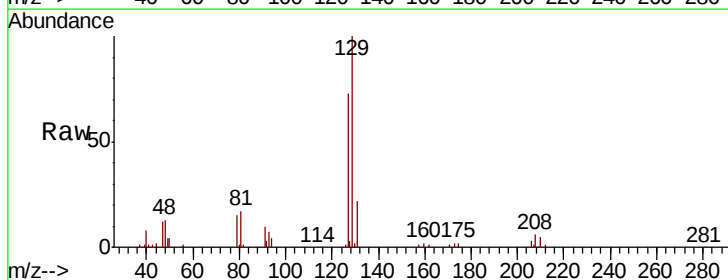
Instrument :
MSVOA_D
ClientSampleId :

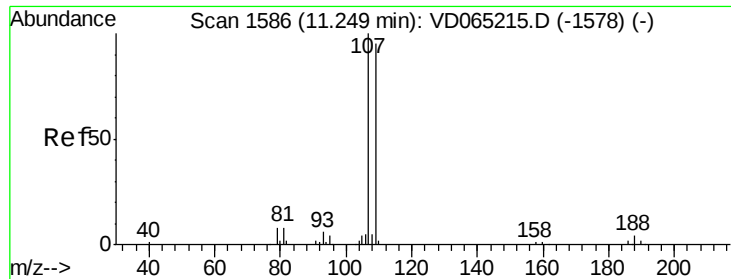
Tot Ion: 43 Resp: 183911
Ion Ratio Lower Upper
43 100
58 53.4 26.3 78.8



#60
Dibromochloromethane
Concen: 21.071 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion: 129 Resp: 92753
Ion Ratio Lower Upper
129 100
127 76.5 38.7 116.1

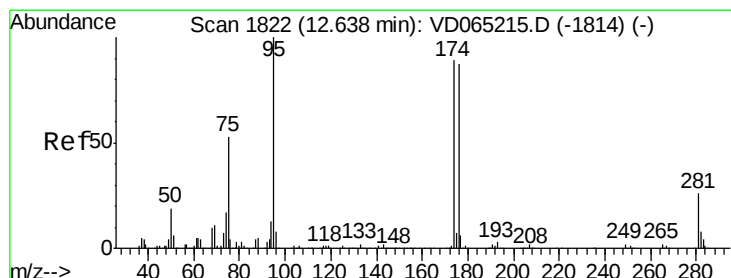
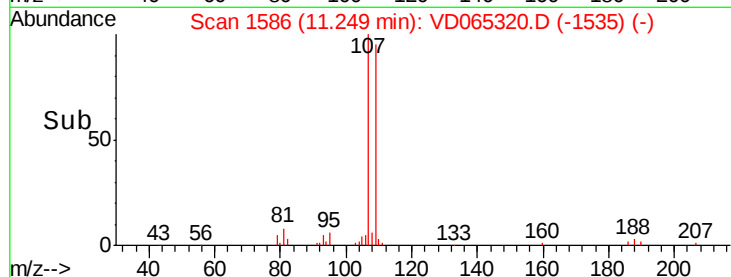
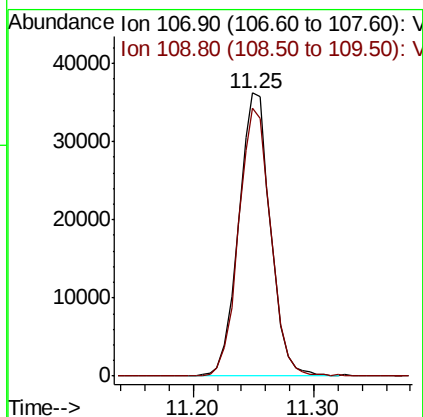
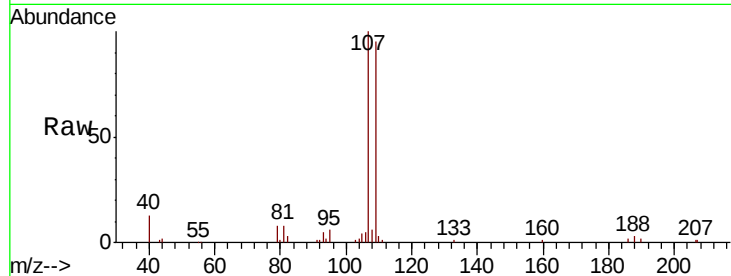




#61
 1,2-Dibromoethane
 Concen: 20.380 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

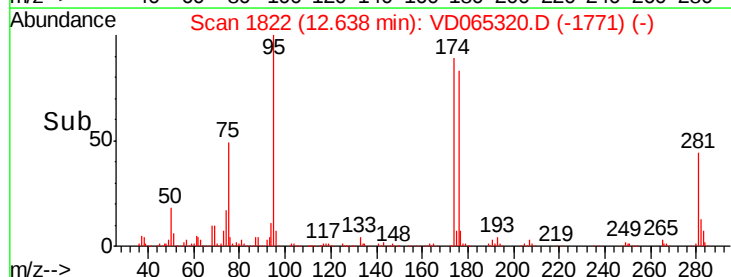
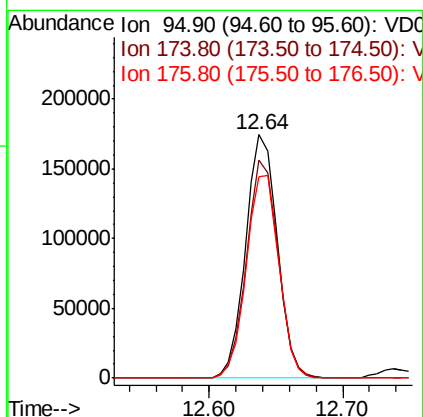
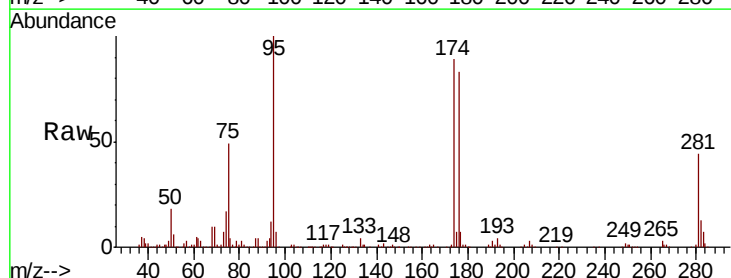
Instrument :
 MSVOA_D
 ClientSampleId :

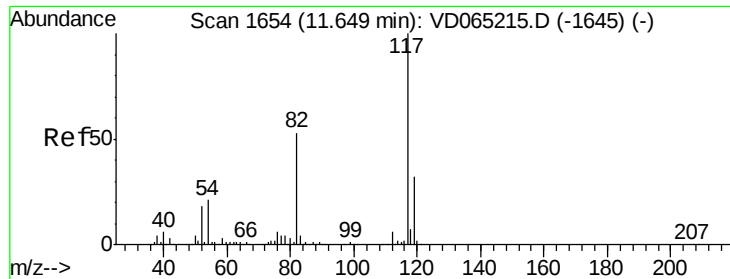
Tot Ion:107 Resp: 66364
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 55.413 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion: 95 Resp: 284552
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 178.0
 176 85.8 0.0 174.4

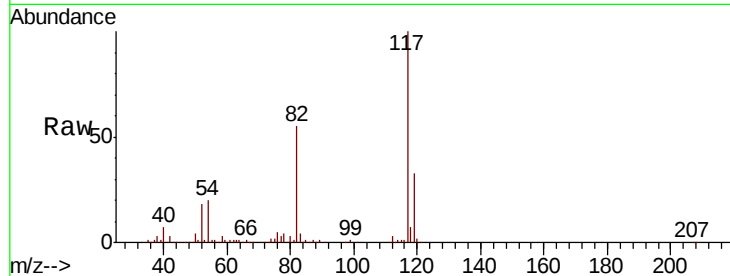




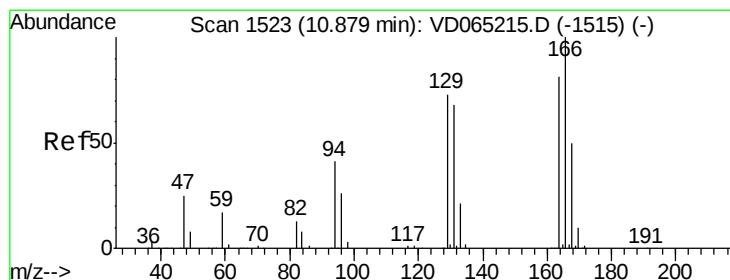
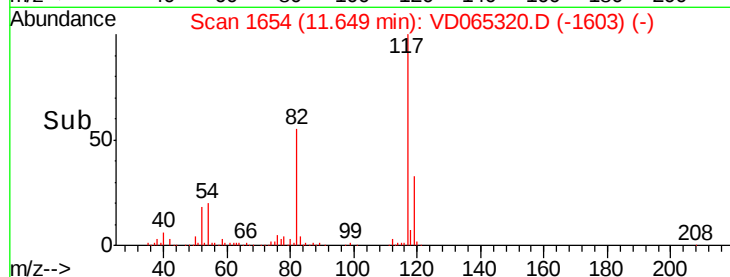
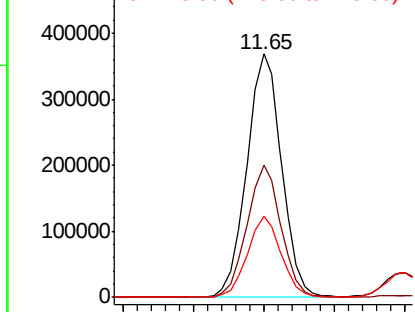
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 637396
Ion Ratio Lower Upper
117 100
82 54.6 42.7 64.1
119 33.2 25.5 38.3

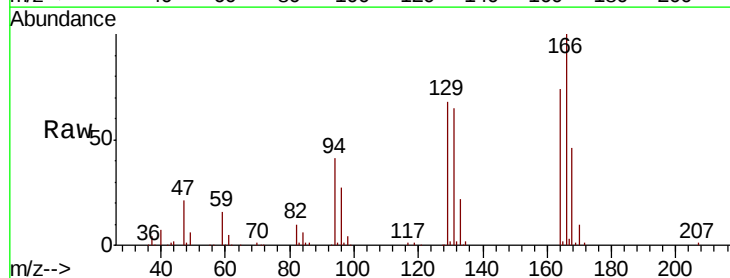


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

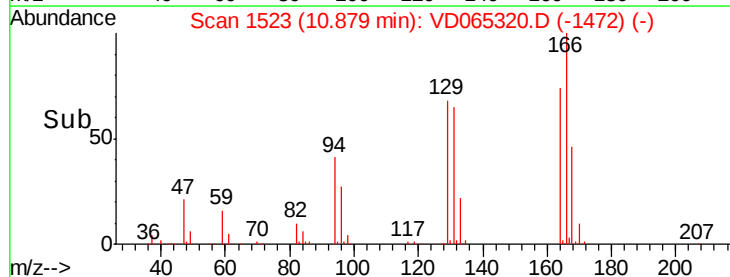
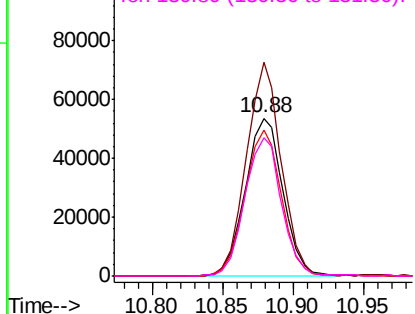


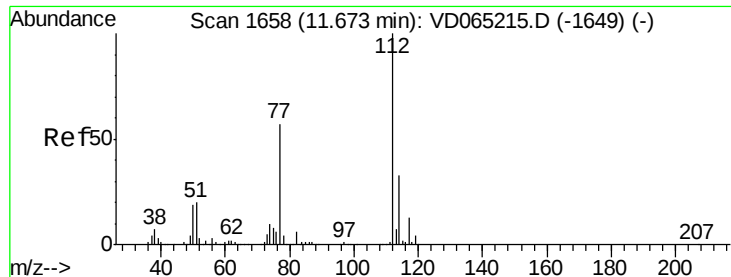
#64
Tetrachloroethene
Concen: 22.133 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion:164 Resp: 100056
Ion Ratio Lower Upper
164 100
166 135.2 98.4 147.6
129 92.0 71.6 107.4
131 87.4 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

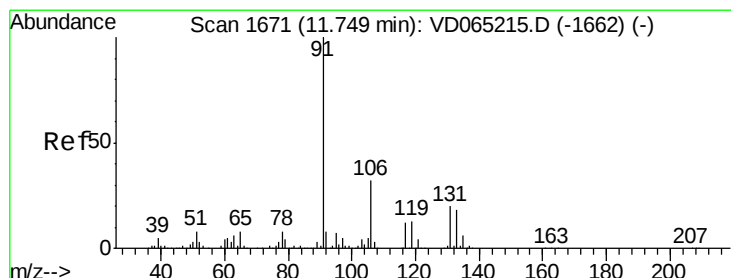
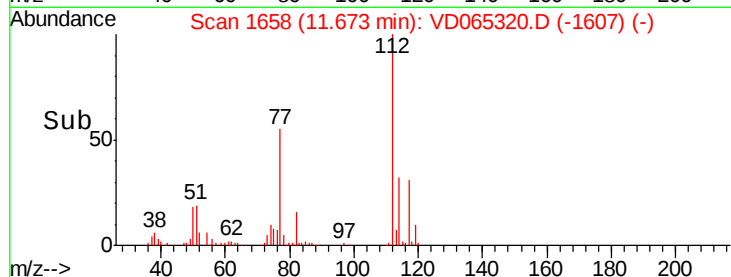
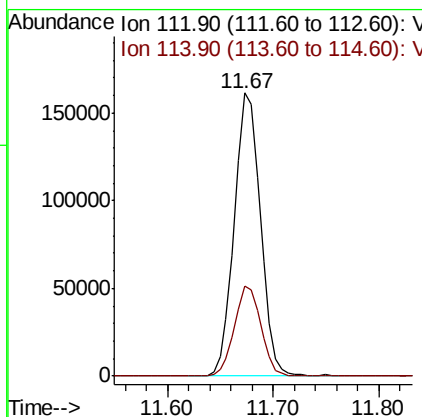
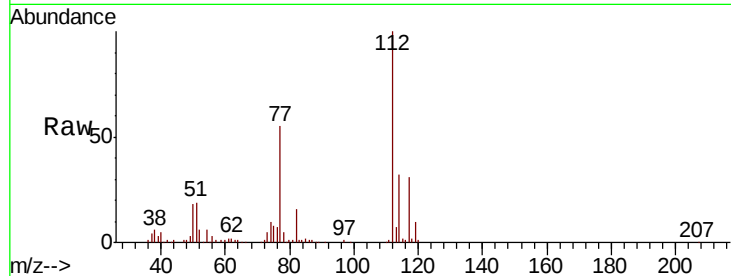




#65
Chlorobenzene
Concen: 21.639 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

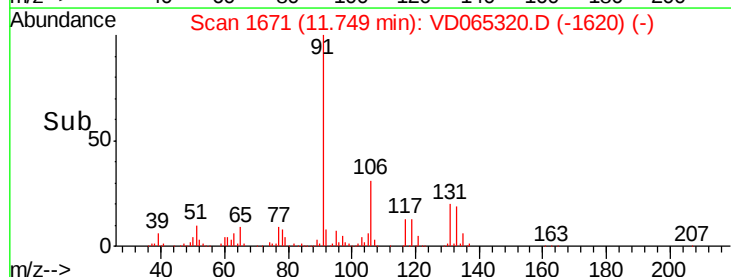
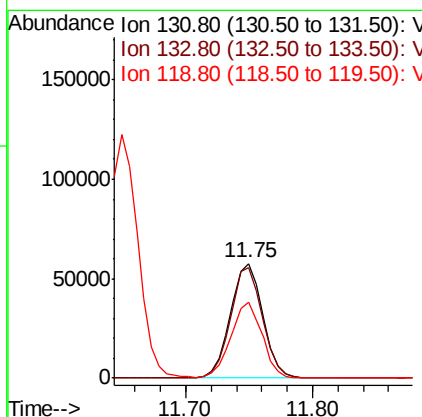
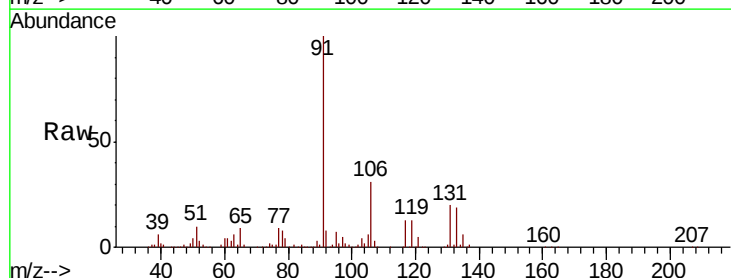
Instrument :
MSVOA_D
ClientSampleId :

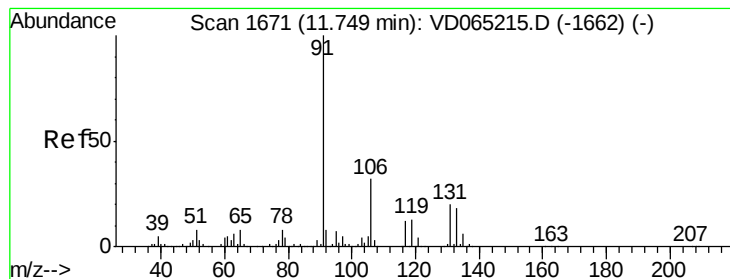
Tot Ion:112 Resp: 276784
Ion Ratio Lower Upper
112 100
114 32.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.233 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion:131 Resp: 101348
Ion Ratio Lower Upper
131 100
133 95.7 47.7 143.1
119 64.4 32.7 98.1





#67

Ethyl Benzene

Concen: 21.175 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

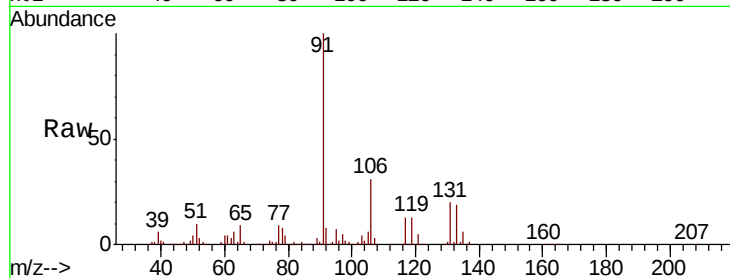
ClientSampled :

Tot Ion: 91 Resp: 474372

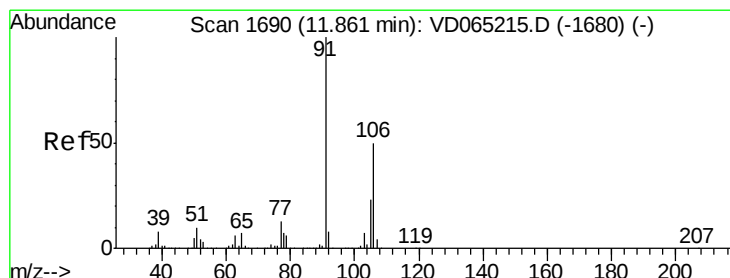
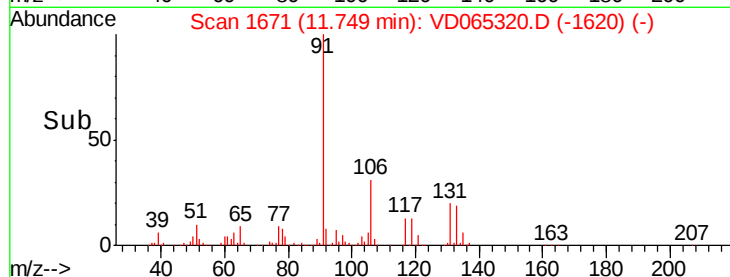
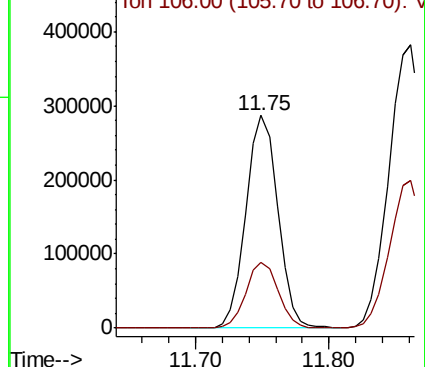
Ion Ratio Lower Upper

91 100

106 31.0 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 43.634 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065320.D

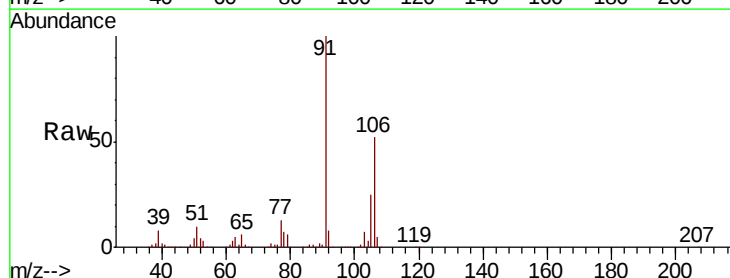
Acq: 26 Feb 2020 11:29

Tgt Ion: 106 Resp: 373982

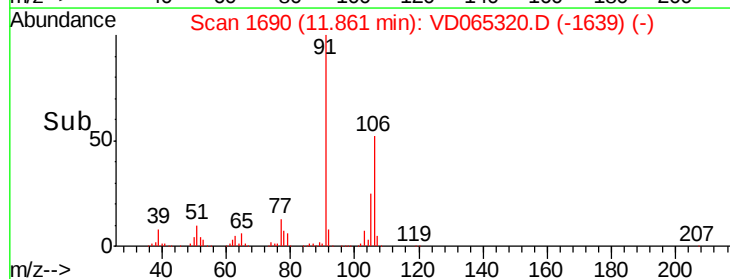
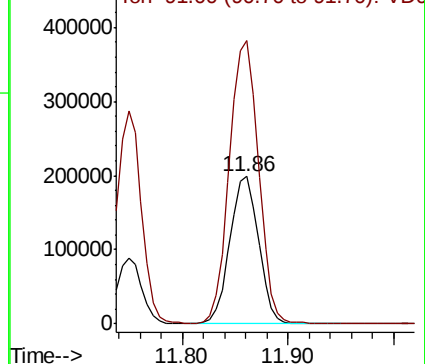
Ion Ratio Lower Upper

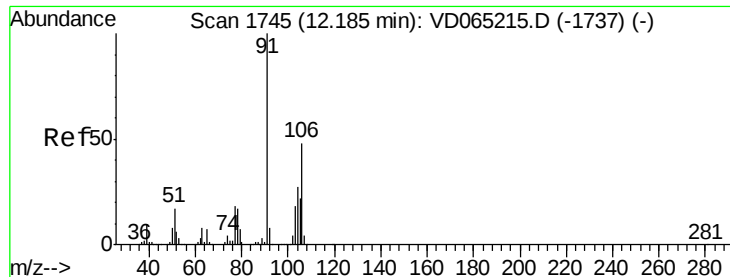
106 100

91 195.8 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

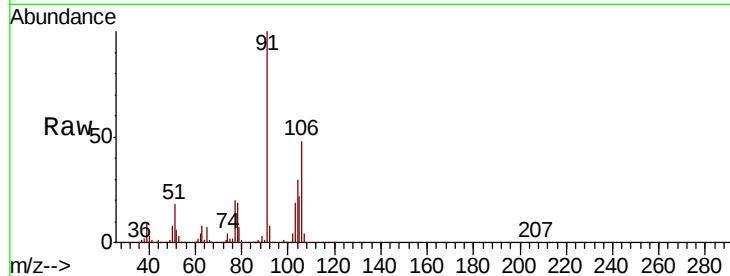




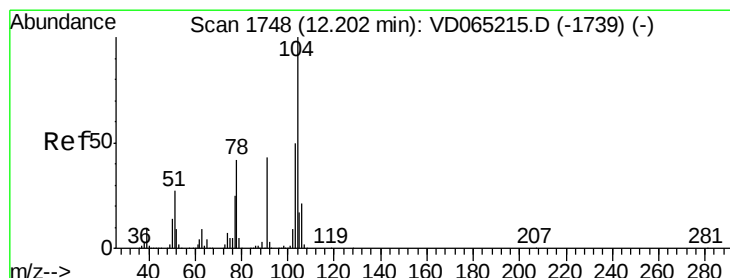
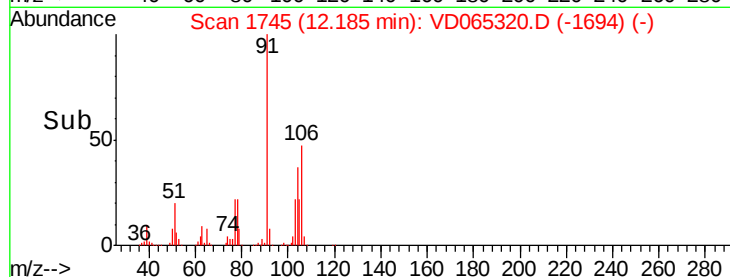
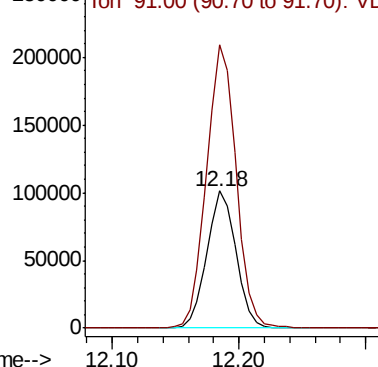
#69
o-Xylene
Concen: 21.300 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 161741
Ion Ratio Lower Upper
106 100
91 209.2 104.7 313.9

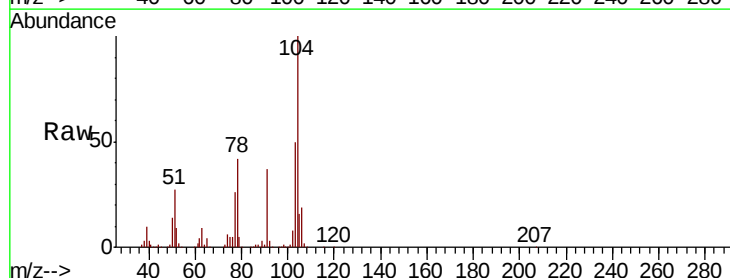


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

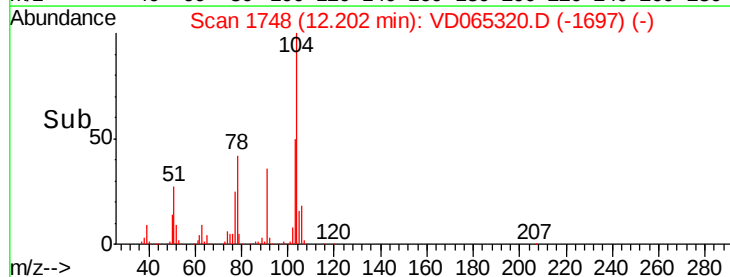
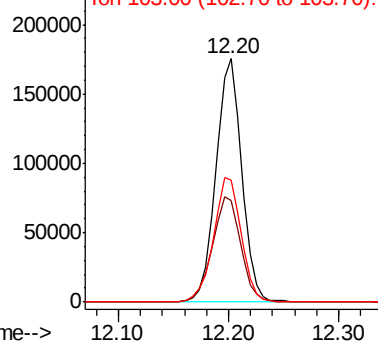


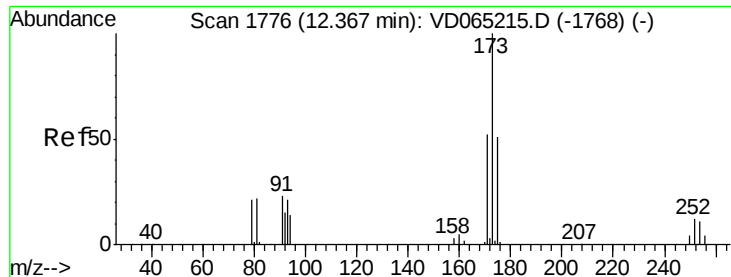
#70
Styrene
Concen: 21.426 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion:104 Resp: 288850
Ion Ratio Lower Upper
104 100
78 47.5 37.8 56.6
103 55.1 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.476 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

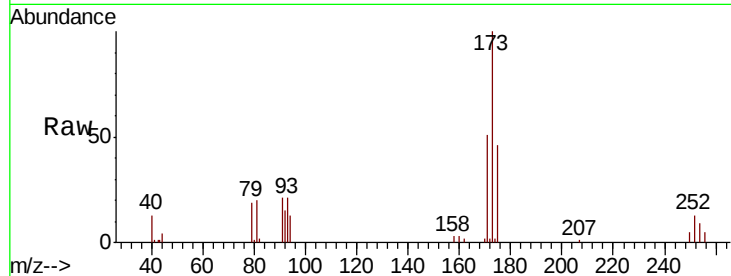
Tot Ion:173 Resp: 54234

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

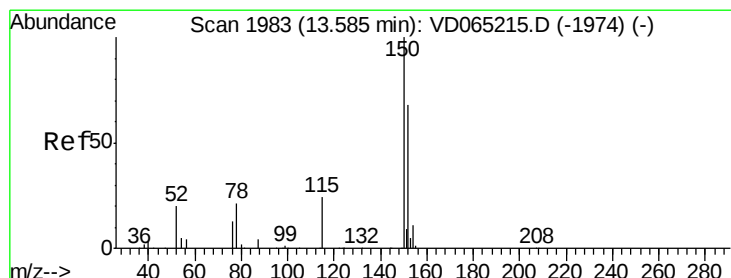
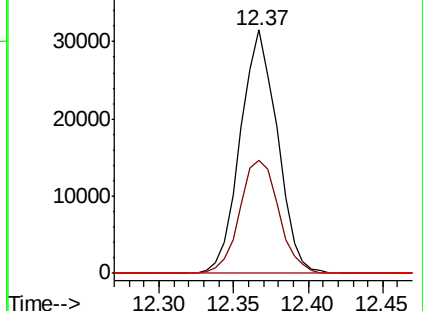
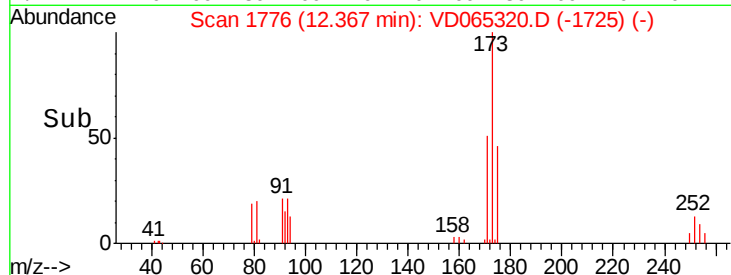
254 0.0 0.0 0.0



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: VD065320.D

Acq: 26 Feb 2020 11:29

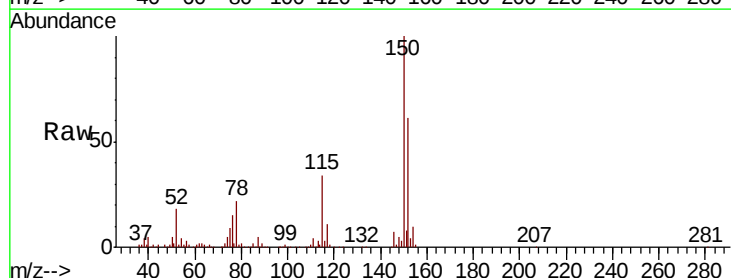
Tgt Ion:152 Resp: 314315

Ion Ratio Lower Upper

152 100

115 55.2 27.6 82.8

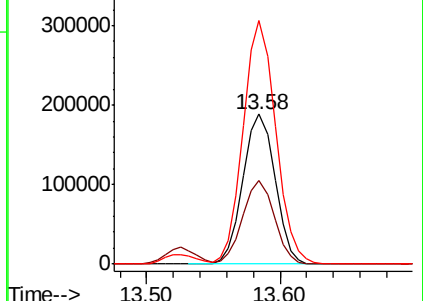
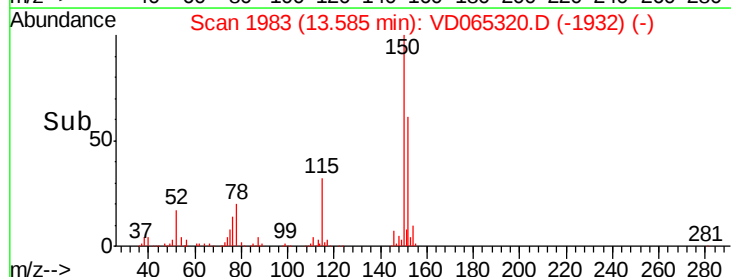
150 164.1 0.0 347.4

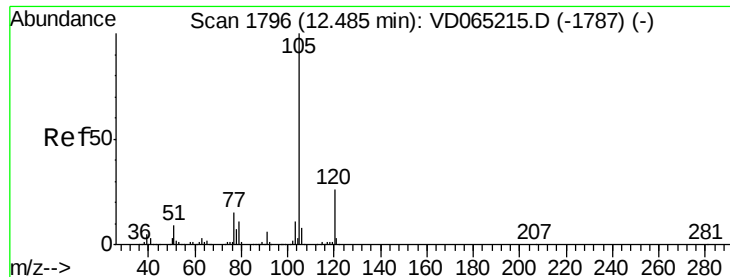


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.615 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

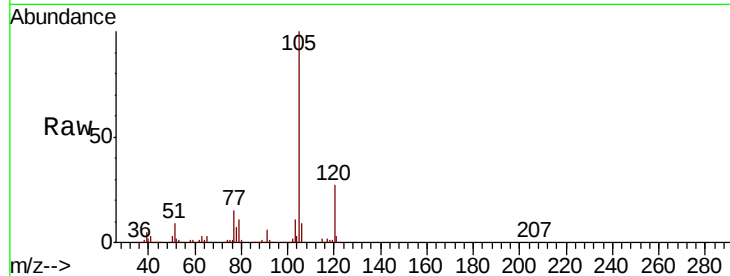
ClientSampleId :

Tot Ion:105 Resp: 449794

Ion Ratio Lower Upper

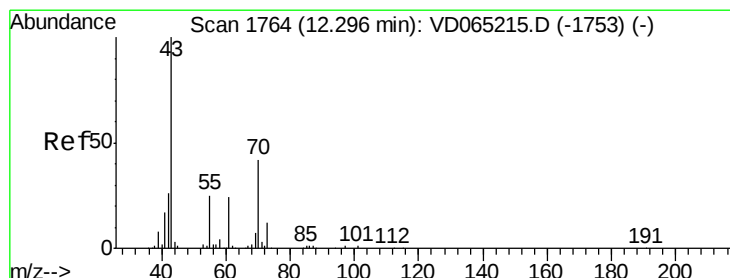
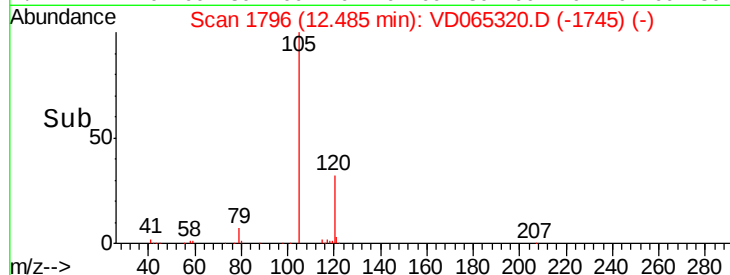
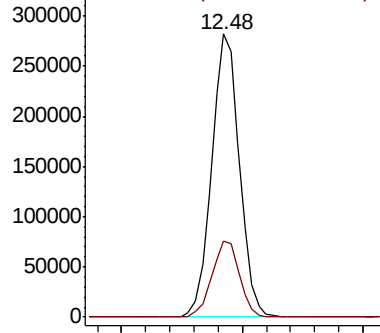
105 100

120 26.9 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: 19.398 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion: 43 Resp: 89695

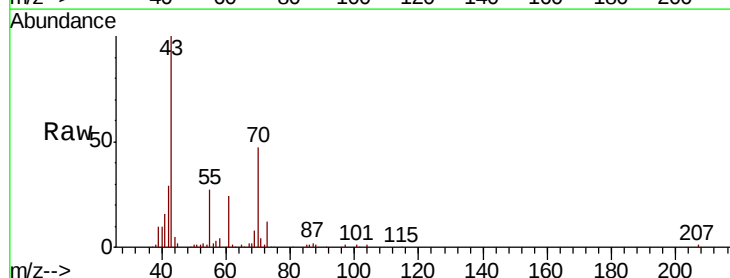
Ion Ratio Lower Upper

43 100

70 45.9 33.7 50.5

55 28.2 20.7 31.1

61 24.0 19.0 28.4

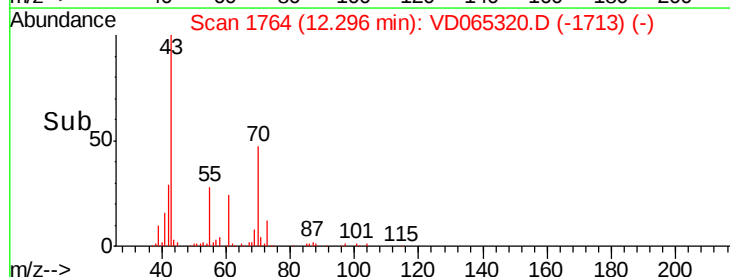
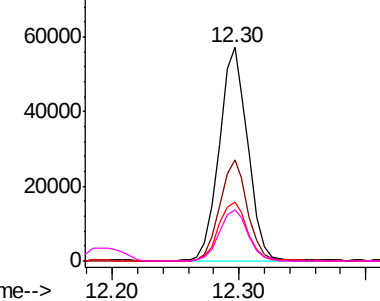


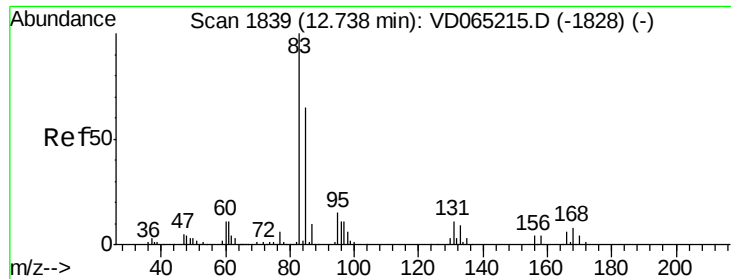
Abundance Ion 43.00 (42.70 to 43.70): V

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: 20.256 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

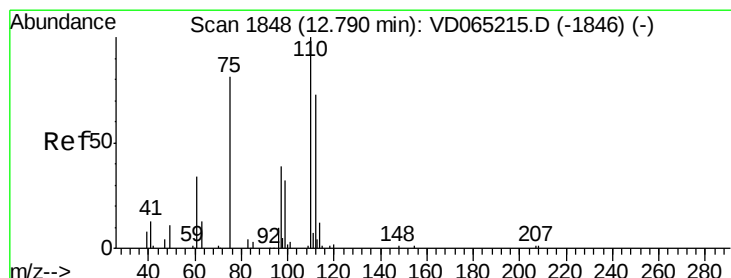
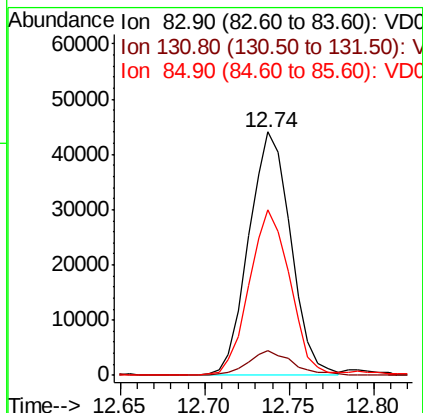
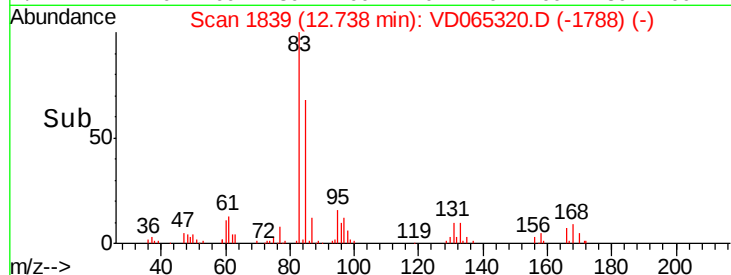
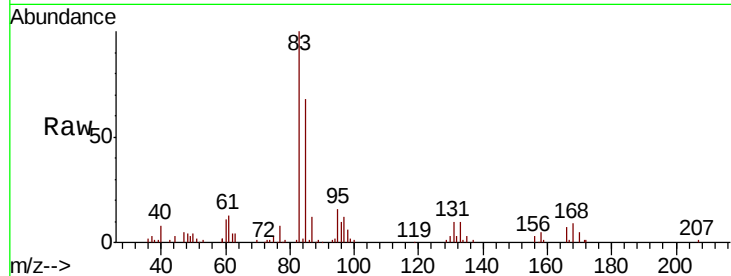
Tot Ion: 83 Resp: 76073

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

85 66.0 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 37.397 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065320.D

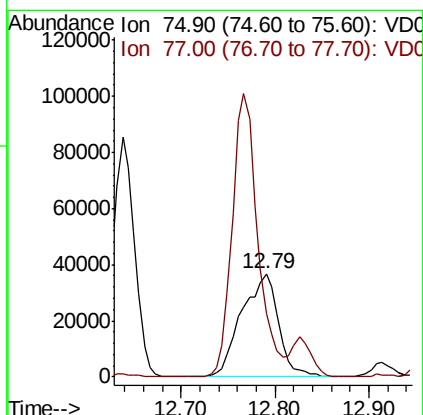
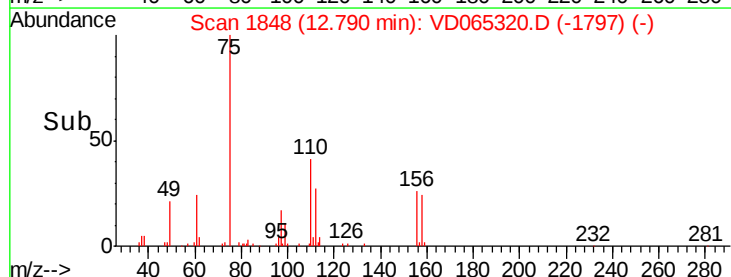
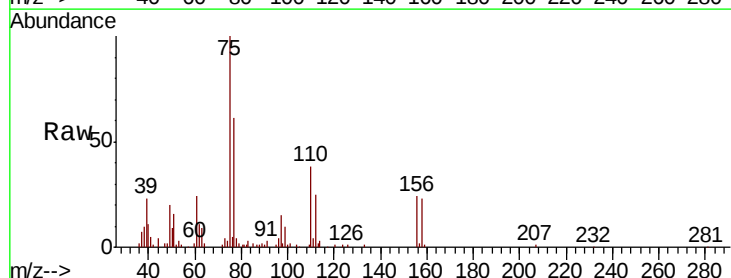
Acq: 26 Feb 2020 11:29

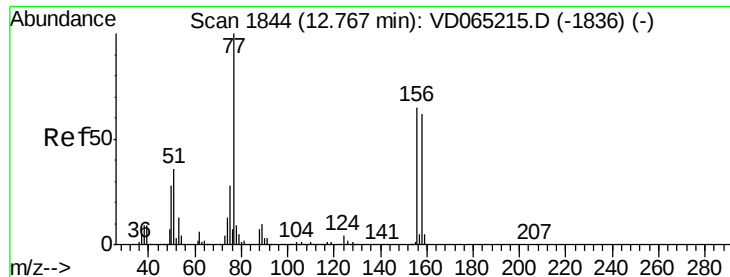
Tgt Ion: 75 Resp: 100011

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.783 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

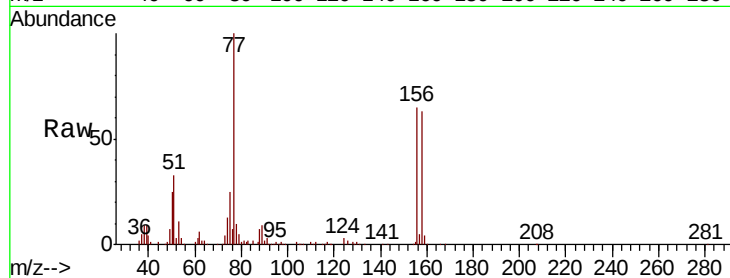
Tot Ion:156 Resp: 112558

Ion Ratio Lower Upper

156 100

77 169.7 86.6 259.7

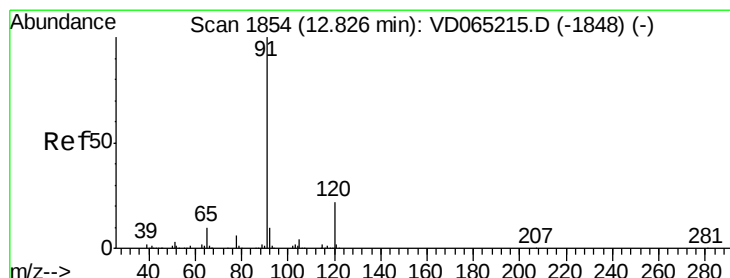
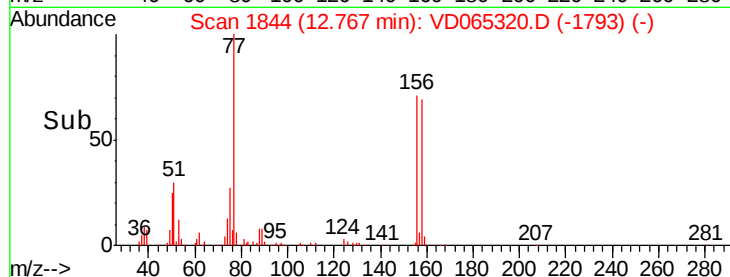
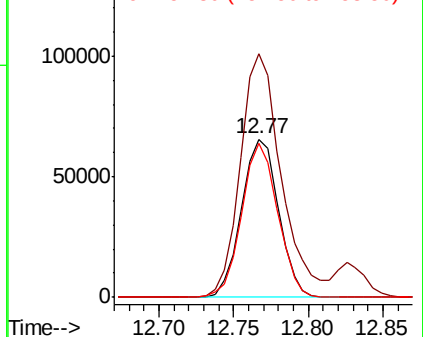
158 95.0 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.072 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065320.D

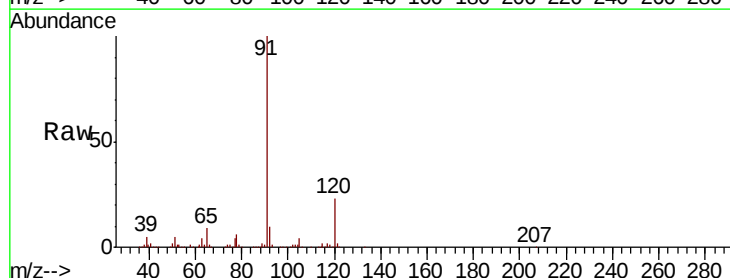
Acq: 26 Feb 2020 11:29

Tgt Ion: 91 Resp: 551940

Ion Ratio Lower Upper

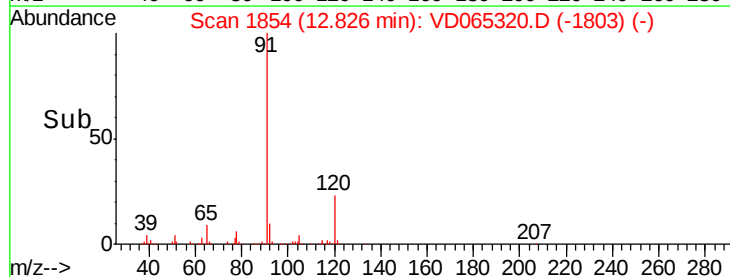
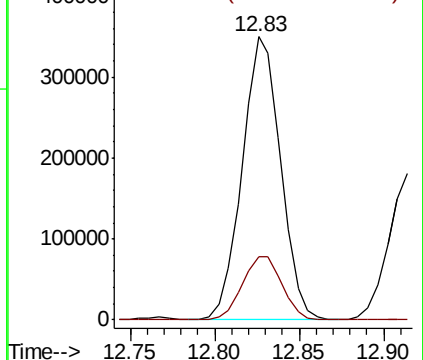
91 100

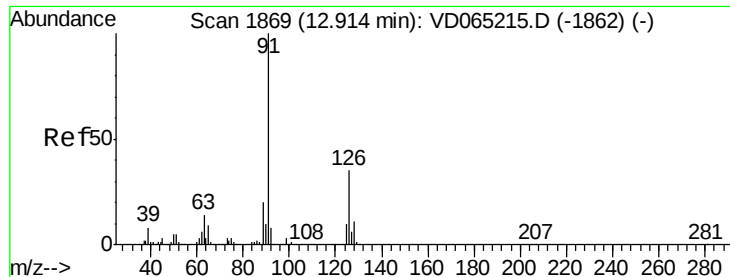
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

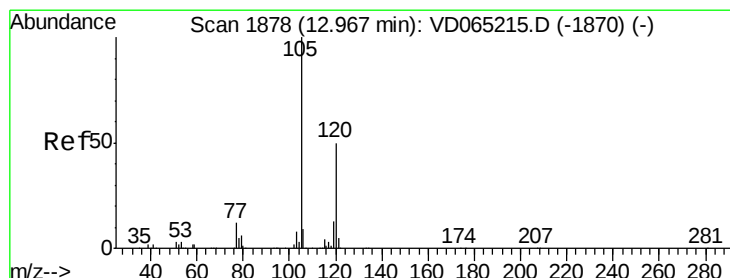
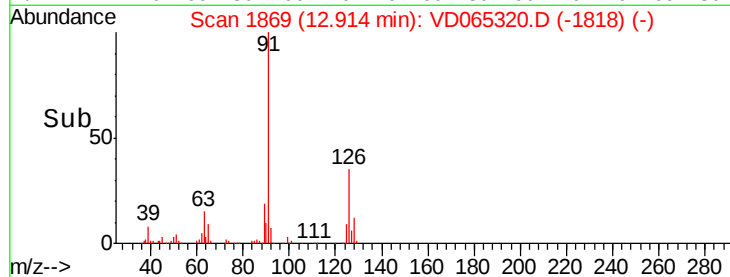
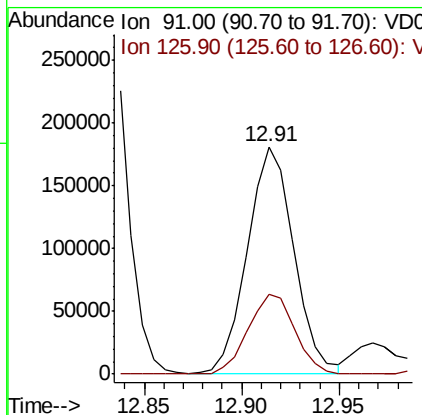
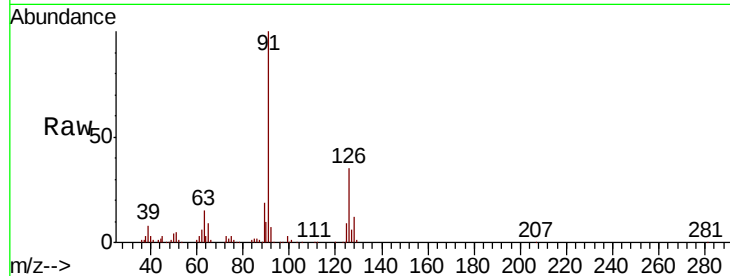




#79
 2-Chlorotoluene
 Concen: 21.291 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

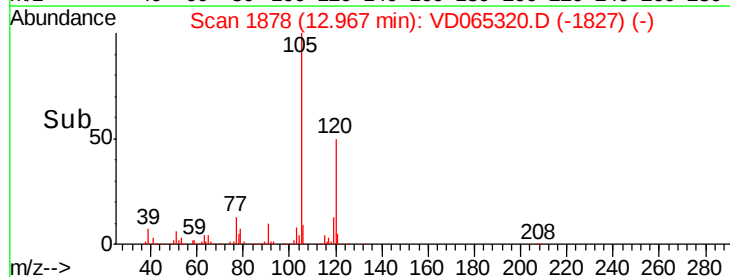
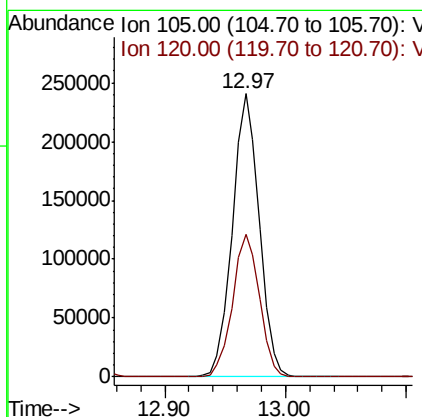
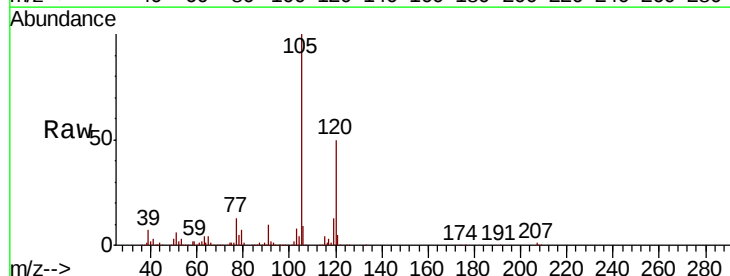
Instrument :
 MSVOA_D
 ClientSampled :

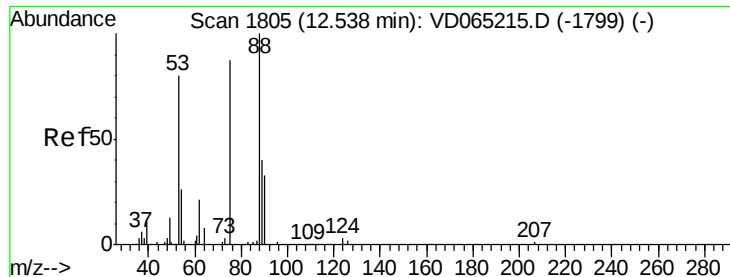
Tot Ion: 91 Resp: 298261
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.687 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion:105 Resp: 371685
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.527 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

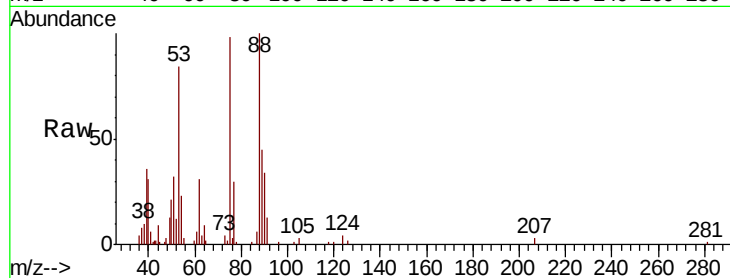
Tot Ion: 75 Resp: 24185

Ion Ratio Lower Upper

75 100

53 87.1 77.6 116.4

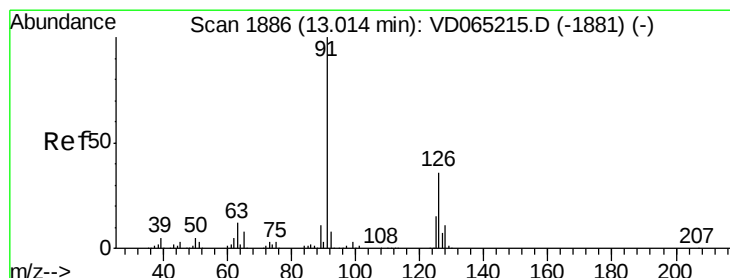
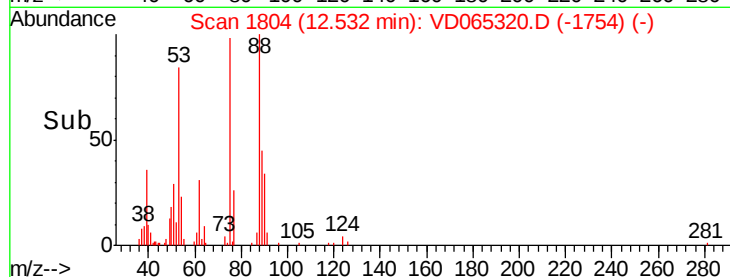
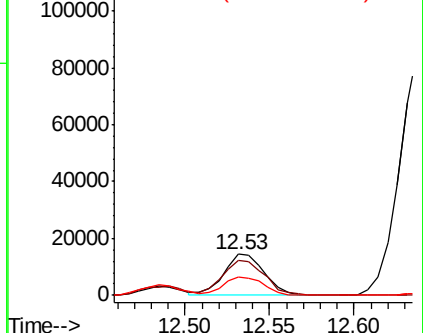
89 45.1 37.2 55.8



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: 21.442 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065320.D

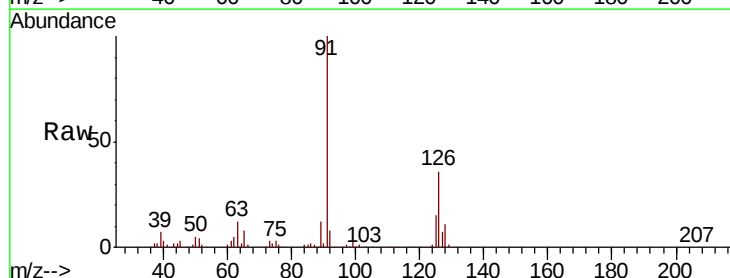
Acq: 26 Feb 2020 11:29

Tgt Ion: 91 Resp: 318891

Ion Ratio Lower Upper

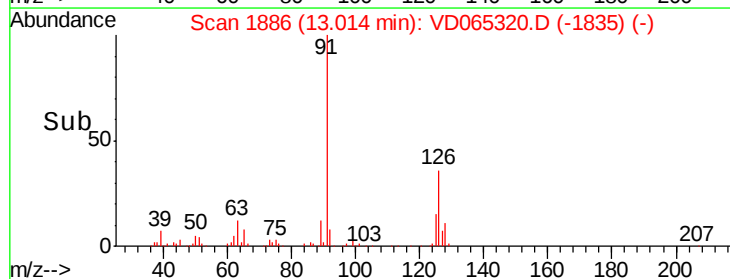
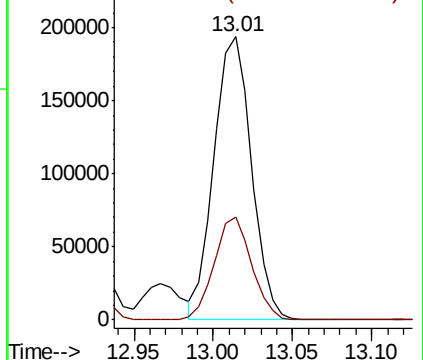
91 100

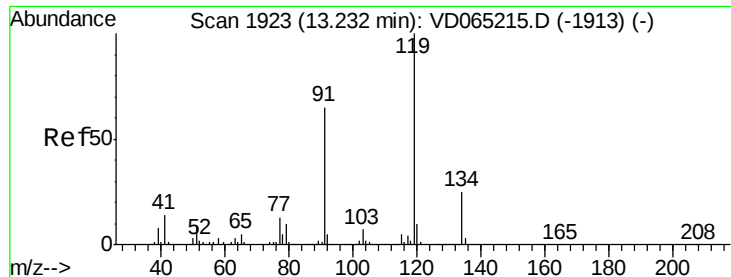
126 36.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

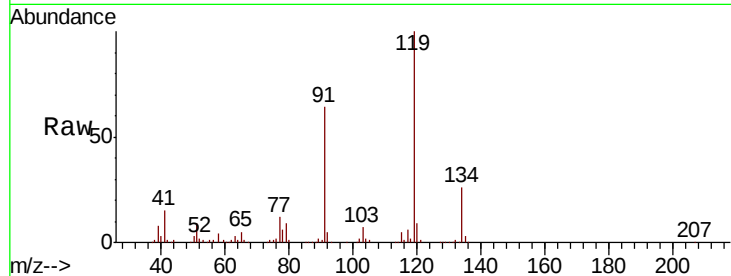




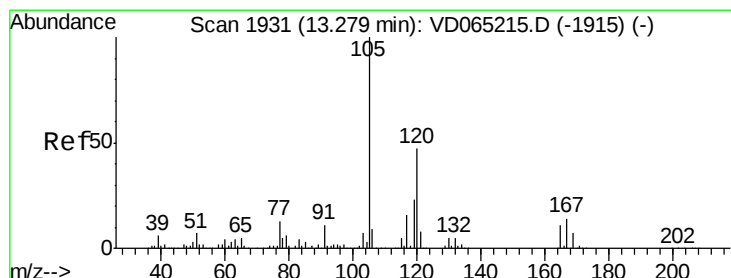
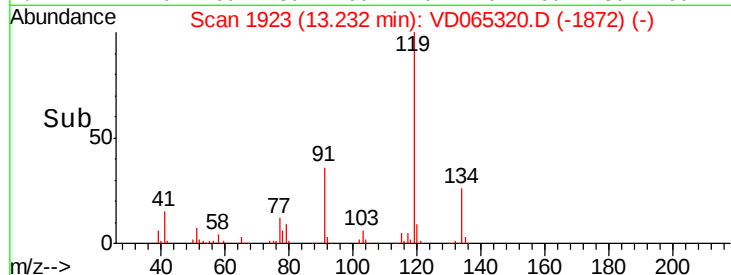
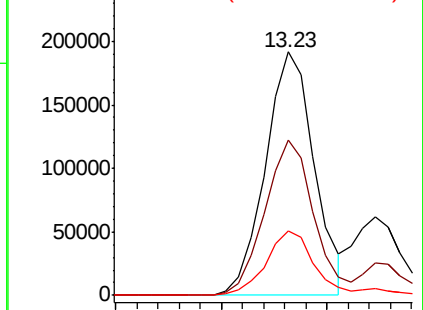
#83
tert-Butylbenzene
Concen: 21.490 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 308699
Ion Ratio Lower Upper
119 100
91 63.9 31.9 95.5
134 27.5 13.8 41.3

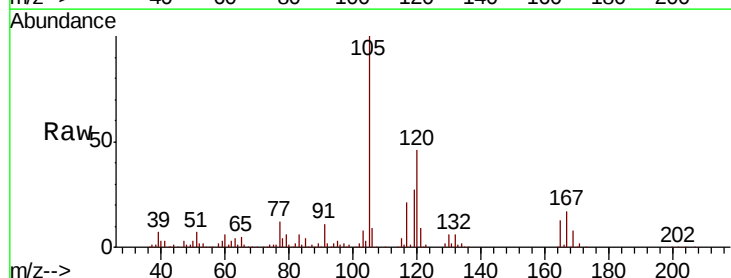


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

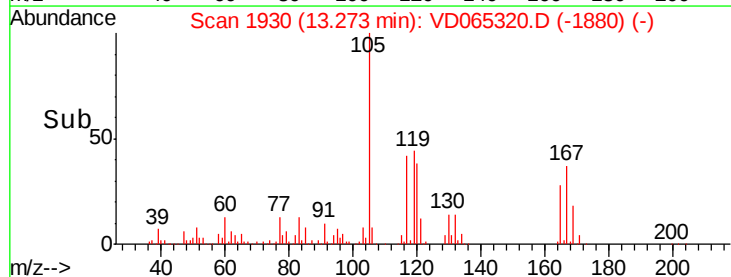
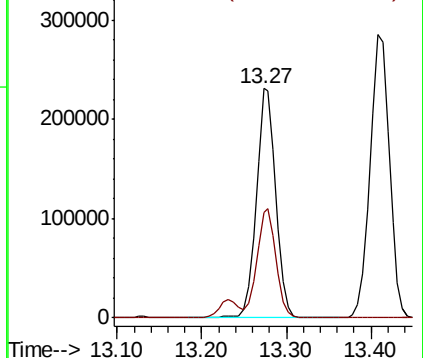


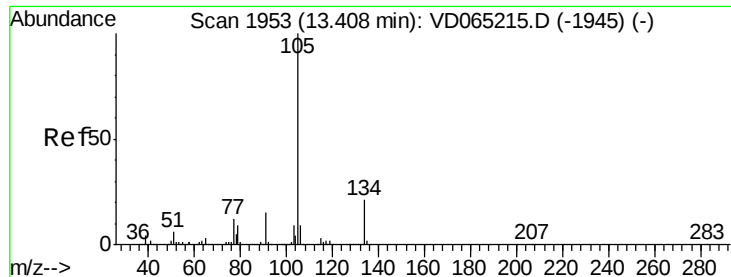
#84
1,2,4-Trimethylbenzene
Concen: 21.728 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion:105 Resp: 372741
Ion Ratio Lower Upper
105 100
120 46.5 23.3 69.9



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

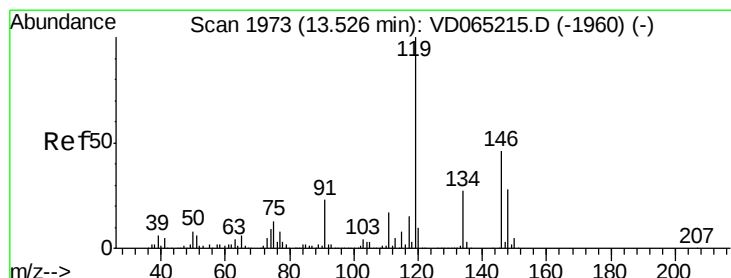
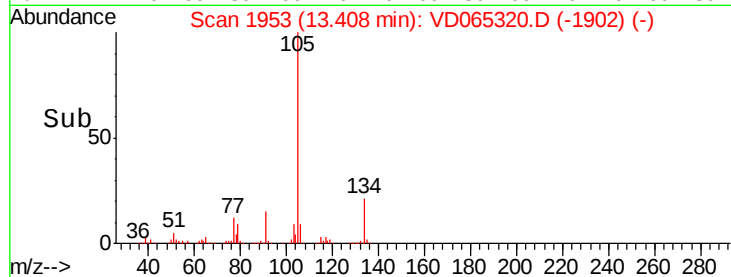
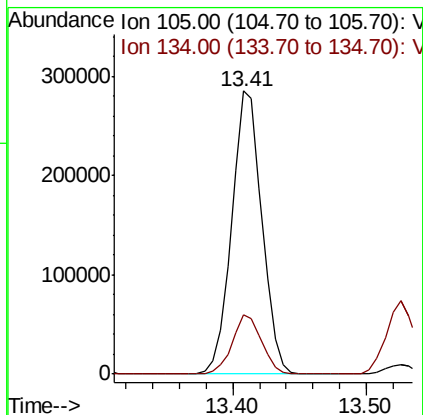
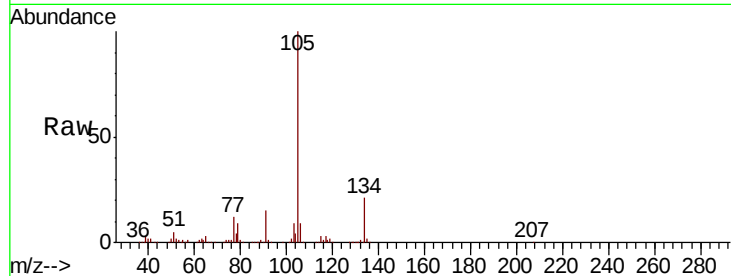




#85
 sec-Butylbenzene
 Concen: 21.625 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

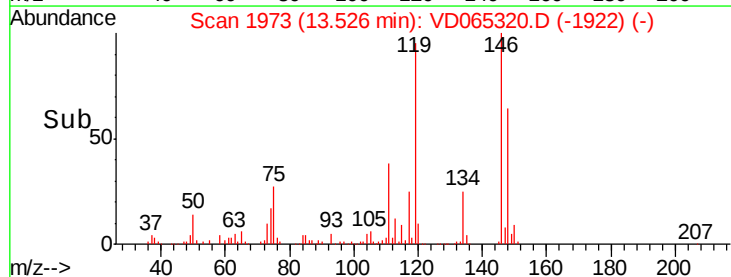
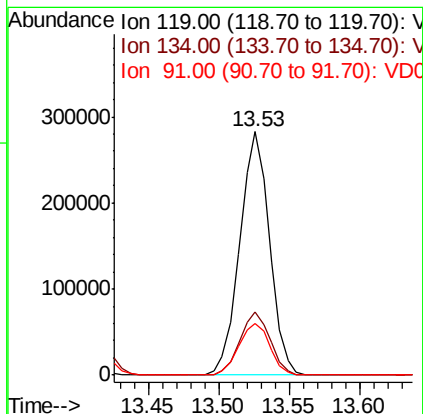
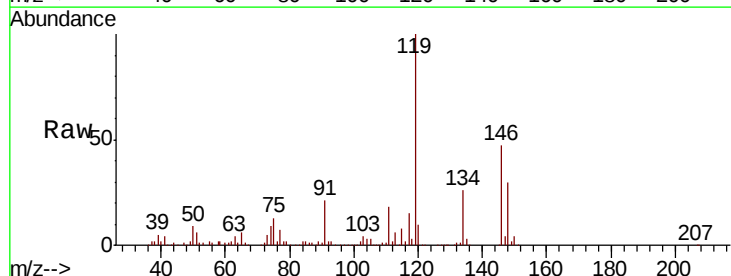
Instrument :
 MSVOA_D
 ClientSampleId :

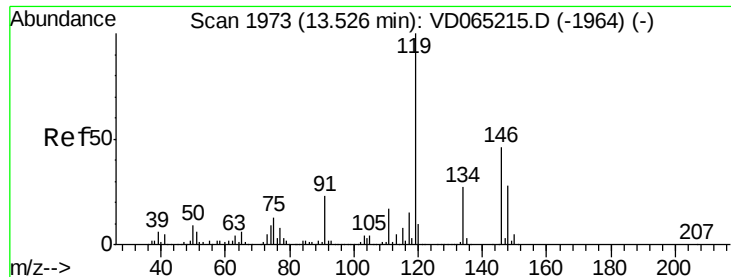
Tot Ion:105 Resp: 447617
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 22.001 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion:119 Resp: 416458
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 21.341 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065320.D

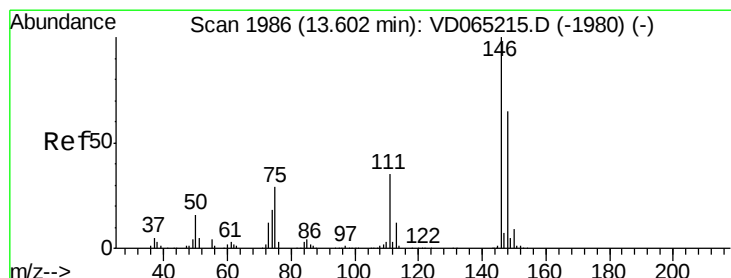
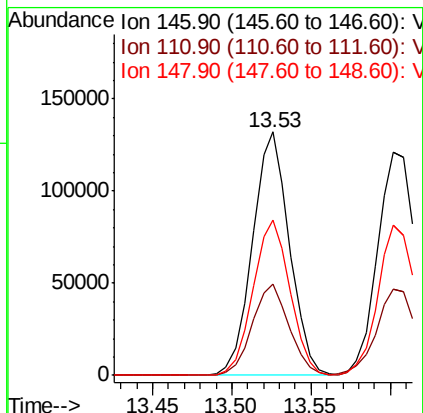
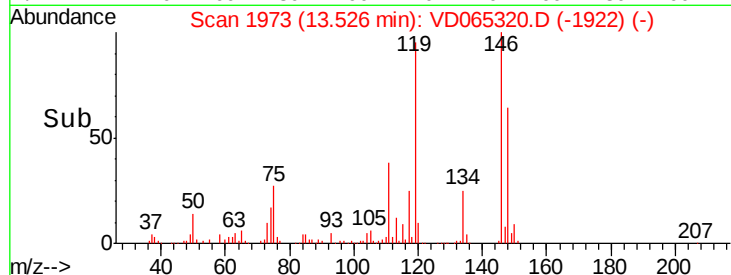
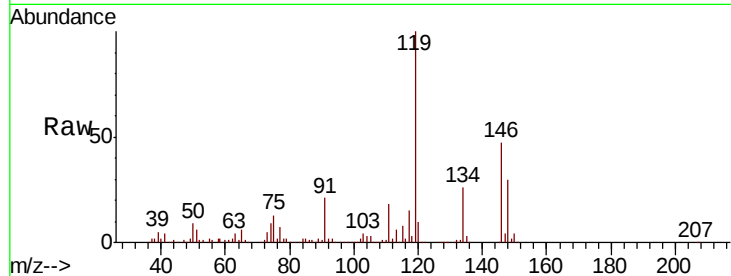
Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	146	Resp:	213187
Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	63.9	31.4	94.3



#88

1,4-Dichlorobenzene

Concen: 20.816 ug/l

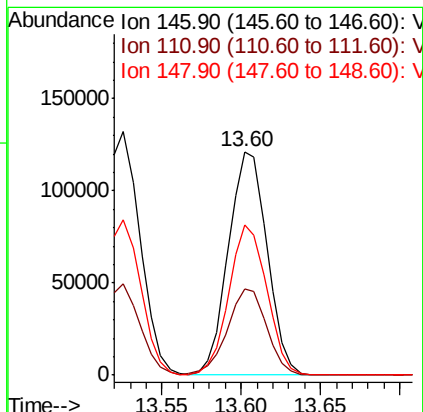
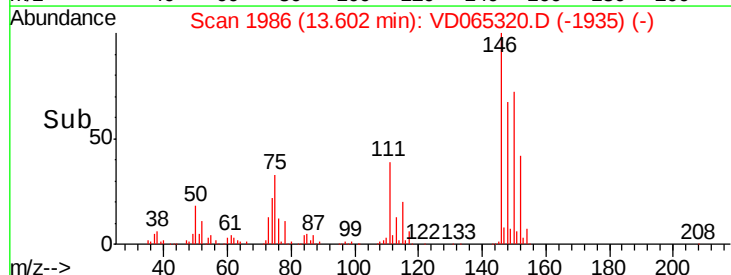
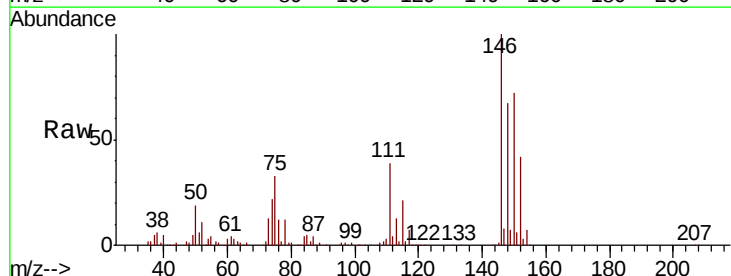
RT: 13.60 min Scan# 1986

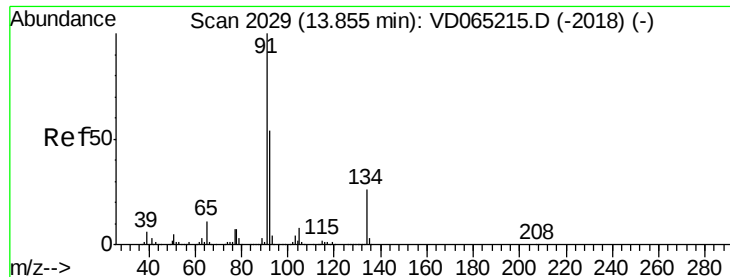
Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion:	146	Resp:	205232
Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.4	55.2
148	66.0	32.1	96.5

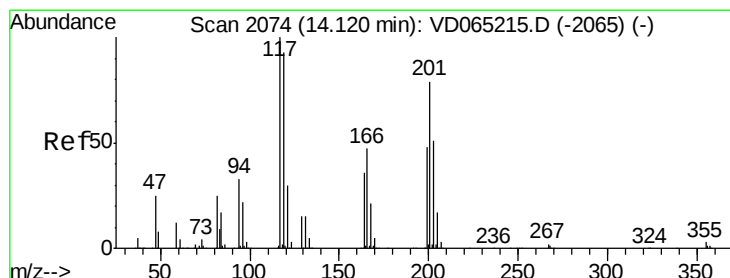
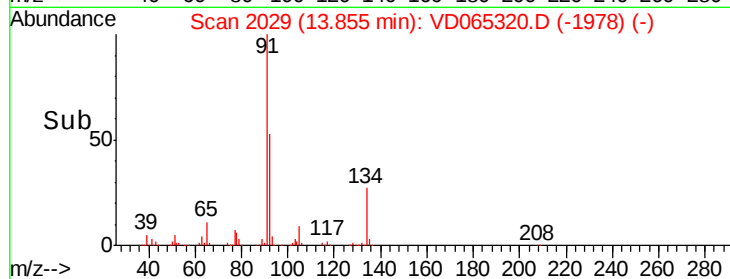
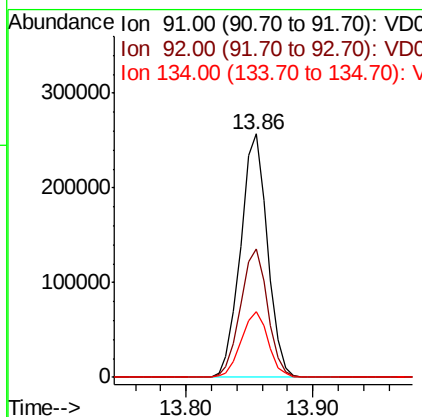
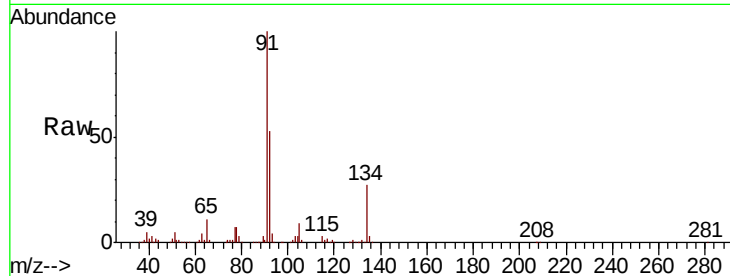




#89
n-Butylbenzene
Concen: 21.675 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

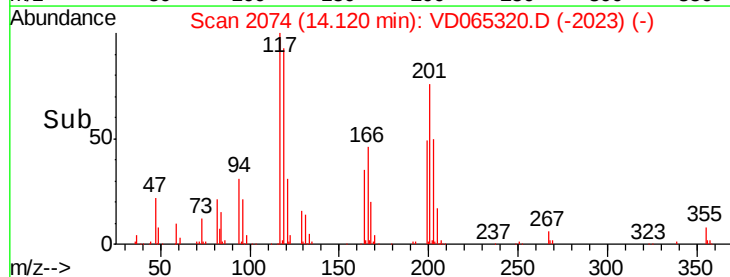
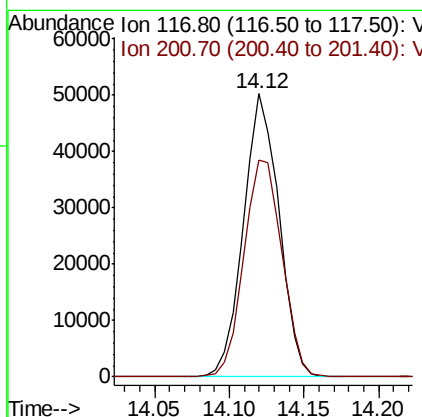
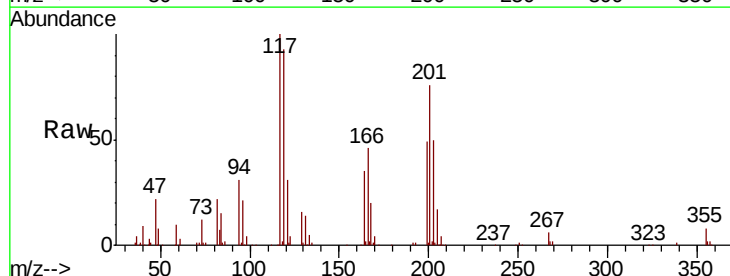
Instrument :
MSVOA_D
ClientSampleId :

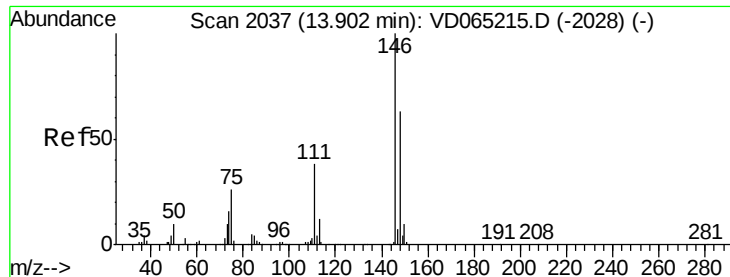
Tot Ion: 91 Resp: 378075
Ion Ratio Lower Upper
91 100
92 53.1 27.0 80.8
134 27.1 13.5 40.4



#90
Hexachloroethane
Concen: 21.537 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion: 117 Resp: 82777
Ion Ratio Lower Upper
117 100
201 82.2 41.3 124.1

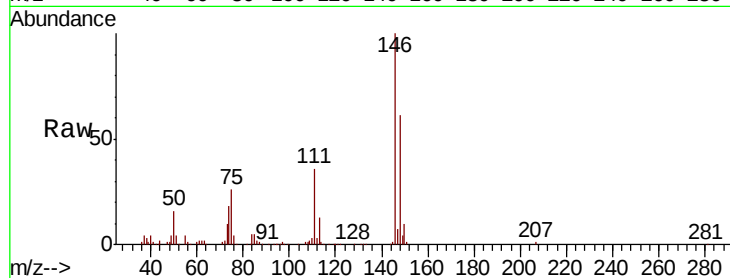




#91
 1,2-Dichlorobenzene
 Concen: 21.230 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.0
148	62.9	32.0	96.2

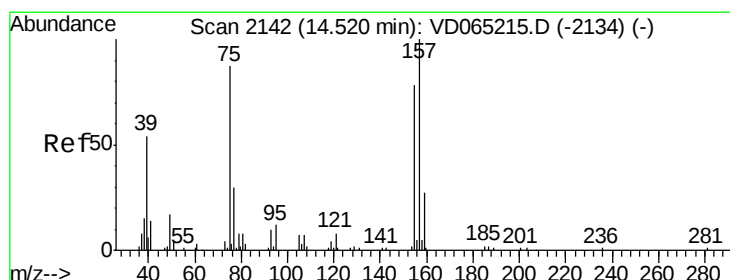
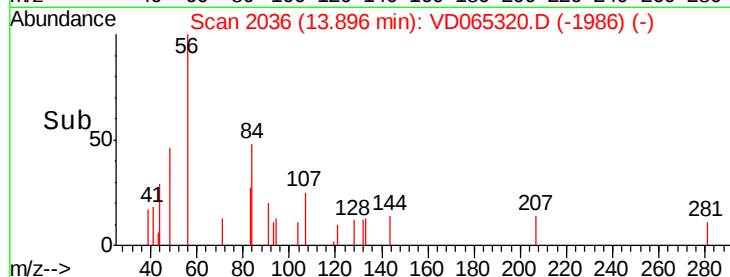
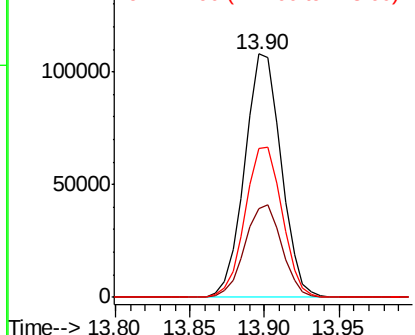


Abundance

Ion 145.90 (145.60 to 146.60): V

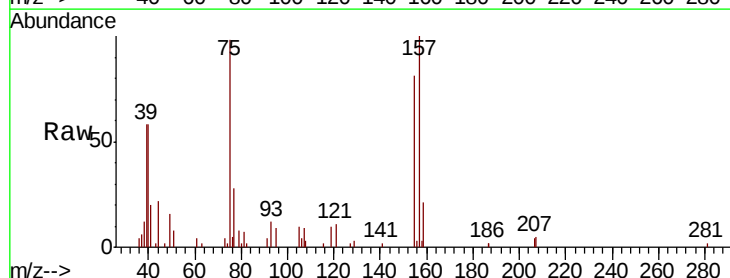
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.270 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.3	42.3	126.9
157	106.1	56.7	170.1

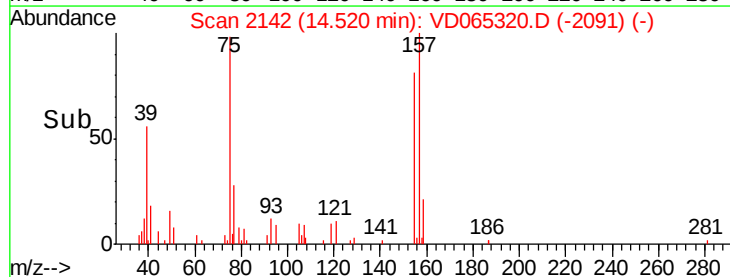
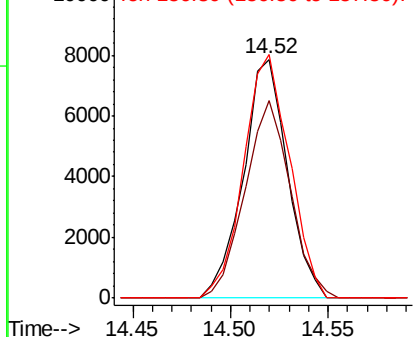


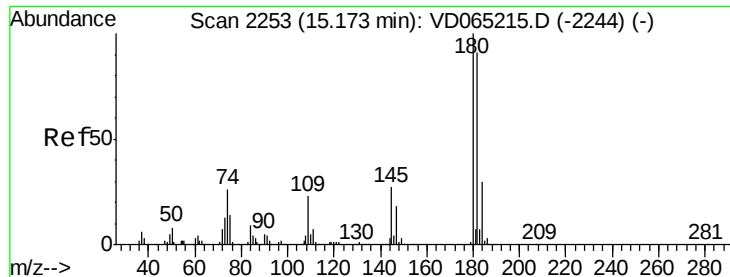
Abundance

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

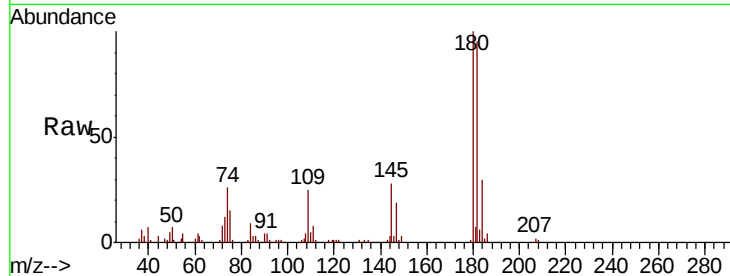




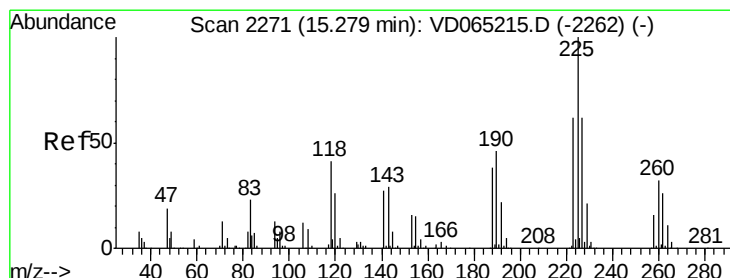
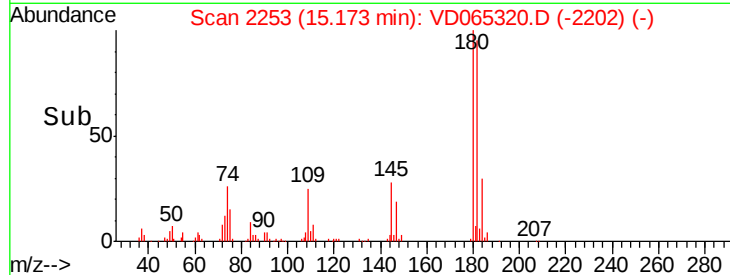
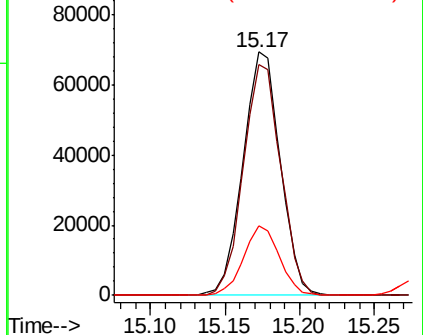
#93
 1,2,4-Trichlorobenzene
 Concen: 21.336 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 119708
 Ion Ratio Lower Upper
 180 100
 182 94.9 46.9 140.6
 145 27.5 13.9 41.7

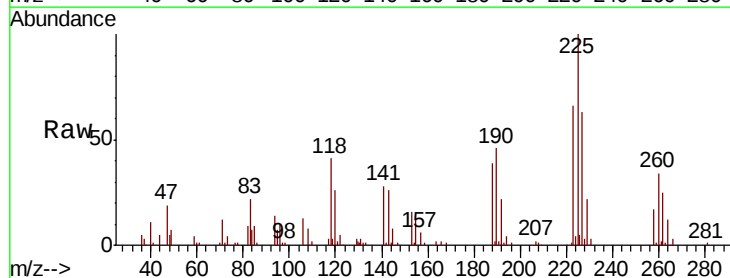


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

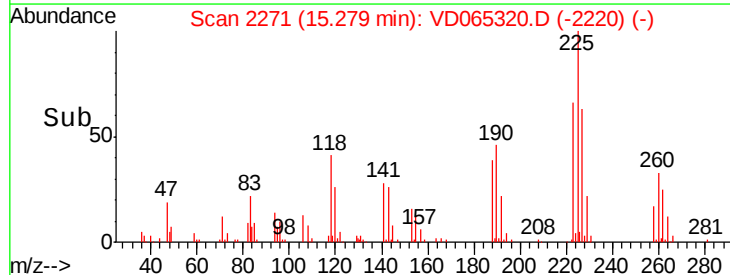
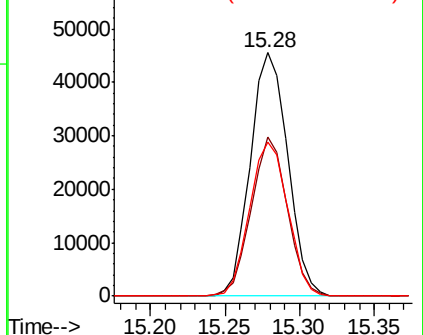


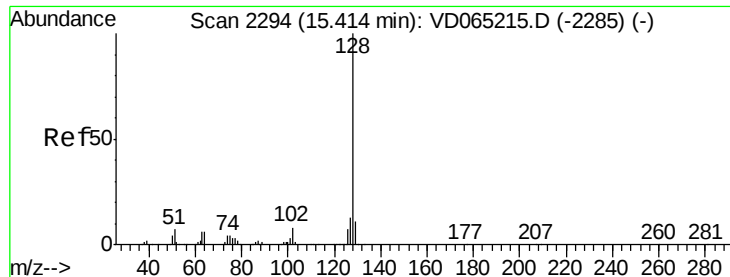
#94
 Hexachlorobutadiene
 Concen: 21.937 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion:225 Resp: 78953
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.2
 227 64.4 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

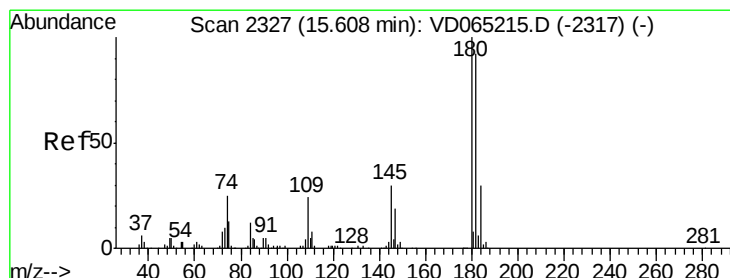
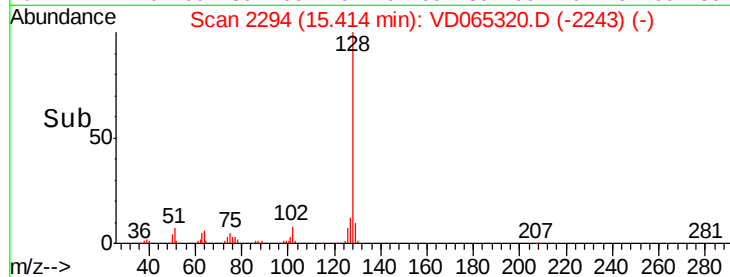
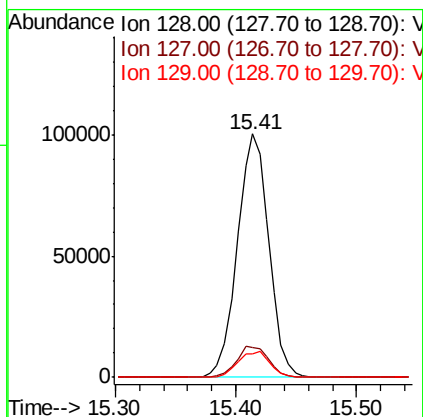
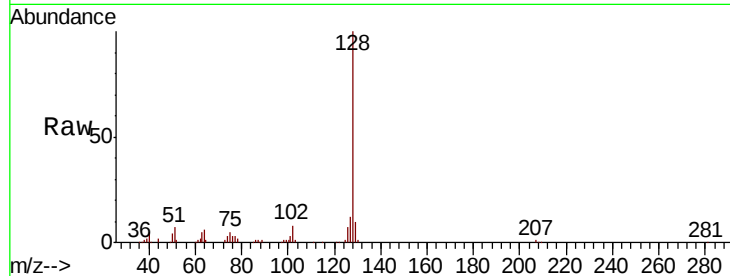




#95
Naphthalene
Concen: 19.954 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 182000
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.352 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion:180 Resp: 104628
Ion Ratio Lower Upper
180 100
182 95.0 46.9 140.6
145 31.1 15.4 46.1

