

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065664.D
 Acq On : 22 Apr 2020 14:10
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 23 03:33:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	218382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	319856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	298569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149585	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	20898	11.32	ug/l	0.00
Spiked Amount			Recovery	=	22.64%	
35) Dibromofluoromethane	7.92	113	22045	11.06	ug/l	0.00
Spiked Amount			Recovery	=	22.12%	
50) Toluene-d8	10.34	98	79415	10.77	ug/l	0.00
Spiked Amount			Recovery	=	21.54%	
62) 4-Bromofluorobenzene	12.64	95	24801	10.21	ug/l	0.00
Spiked Amount			Recovery	=	20.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	17395	9.889	ug/l	99
3) Chloromethane	2.21	50	20838	10.821	ug/l	99
4) Vinyl Chloride	2.35	62	23563	11.226	ug/l	97
5) Bromomethane	2.77	94	14414	12.455	ug/l	94
6) Chloroethane	2.92	64	14870	11.875	ug/l	100
7) Trichlorofluoromethane	3.27	101	34674	11.542	ug/l	94
8) Diethyl Ether	3.70	74	9974	16.319	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	22760	16.562	ug/l	98
10) Methyl Iodide	4.30	142	18994	10.239	ug/l	93
11) Tert butyl alcohol	5.24	59	7890	77.655	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	20218	16.361	ug/l	93
13) Acrolein	3.91	56	6414	80.471	ug/l	92
14) Allyl chloride	4.71	41	30678	13.361	ug/l	93
15) Acrylonitrile	5.43	53	23121	59.240	ug/l	98
16) Acetone	4.16	43	21006	80.249	ug/l	99
17) Carbon Disulfide	4.40	76	68136	14.172	ug/l	98
18) Methyl Acetate	4.72	43	12630	14.711	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	38719	10.697	ug/l	99
20) Methylene Chloride	4.96	84	27896	13.536	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	22786	10.916	ug/l #	94
22) Diisopropyl ether	6.36	45	60547	10.829	ug/l	92
23) Vinyl Acetate	6.31	43	156962	52.679	ug/l	99
24) 1,1-Dichloroethane	6.26	63	40432	11.345	ug/l	98
25) 2-Butanone	7.23	43	27141	56.863	ug/l	91
26) 2,2-Dichloropropane	7.20	77	35489	11.436	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	23839	10.972	ug/l	100
28) Bromochloromethane	7.54	49	15773	10.841	ug/l	99
29) Tetrahydrofuran	7.57	42	16480	54.456	ug/l	98
30) Chloroform	7.71	83	42468	11.698	ug/l	97
31) Cyclohexane	7.98	56	36711	10.812	ug/l #	89
32) 1,1,1-Trichloroethane	7.90	97	37820	11.531	ug/l	100
36) 1,1-Dichloropropene	8.11	75	31773	10.499	ug/l	100
37) Ethyl Acetate	7.30	43	13268	11.147	ug/l	97
38) Carbon Tetrachloride	8.10	117	36124	11.189	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	33648	9.630	ug/l	99
40) Benzene	8.35	78	90316	10.426	ug/l	93
41) Methacrylonitrile	7.52	41	4723	7.525	ug/l #	66
42) 1,2-Dichloroethane	8.43	62	26519	11.215	ug/l	99
43) Isopropyl Acetate	8.46	43	22504	10.453	ug/l	99
44) Trichloroethene	9.11	130	25749	10.609	ug/l	93
45) 1,2-Dichloropropane	9.39	63	21993	10.385	ug/l	95
46) Dibromomethane	9.48	93	12008	10.960	ug/l	99
47) Bromodichloromethane	9.67	83	32278	11.094	ug/l	94
48) Methyl methacrylate	9.46	41	9856	9.579	ug/l #	92
49) 1,4-Dioxane	9.47	88	2600	215.115	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	56534	51.840	ug/l	96
52) Toluene	10.41	92	56261	10.523	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	27293	10.336	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	32403	10.033	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	16760	10.932	ug/l	97
56) Ethyl methacrylate	10.66	69	16227	9.863	ug/l	94
57) 1,3-Dichloropropane	10.95	76	28170	10.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	39931	45.909	ug/l	99
59) 2-Hexanone	10.99	43	37346	50.473	ug/l	99
60) Dibromochloromethane	11.14	129	21403	10.508	ug/l	95
61) 1,2-Dibromoethane	11.25	107	15635	10.541	ug/l	99
64) Tetrachloroethene	10.88	164	22899	11.084	ug/l	98
65) Chlorobenzene	11.67	112	63158	11.016	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	23380	10.671	ug/l	97
67) Ethyl Benzene	11.75	91	99375	10.144	ug/l	100
68) m/p-Xylenes	11.86	106	78440	20.699	ug/l	99
69) o-Xylene	12.18	106	31383	9.506	ug/l	99
70) Styrene	12.20	104	58069	9.927	ug/l	99
71) Bromoform	12.37	173	13809	11.253	ug/l #	100
73) Isopropylbenzene	12.48	105	90488	10.376	ug/l	100
74) N-amyl acetate	12.30	43	18952	10.315	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	18928	11.990	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	23521	20.847	ug/l #	100
77) Bromobenzene	12.77	156	24979	10.822	ug/l	97
78) n-propylbenzene	12.83	91	110937	10.513	ug/l	99
79) 2-Chlorotoluene	12.91	91	64810	10.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	77208	10.481	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	5637	10.670	ug/l	93
82) 4-Chlorotoluene	13.01	91	71248	11.024	ug/l	98
83) tert-Butylbenzene	13.23	119	61105	9.903	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	75979	10.355	ug/l	97
85) sec-Butylbenzene	13.41	105	90309	10.220	ug/l	100
86) p-Isopropyltoluene	13.53	119	79943	9.630	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	48517	10.685	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	51325	11.374	ug/l	97
89) n-Butylbenzene	13.86	91	75468	10.031	ug/l	96
90) Hexachloroethane	14.12	117	19907	11.402	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	44794	11.537	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2790	11.652	ug/l	86

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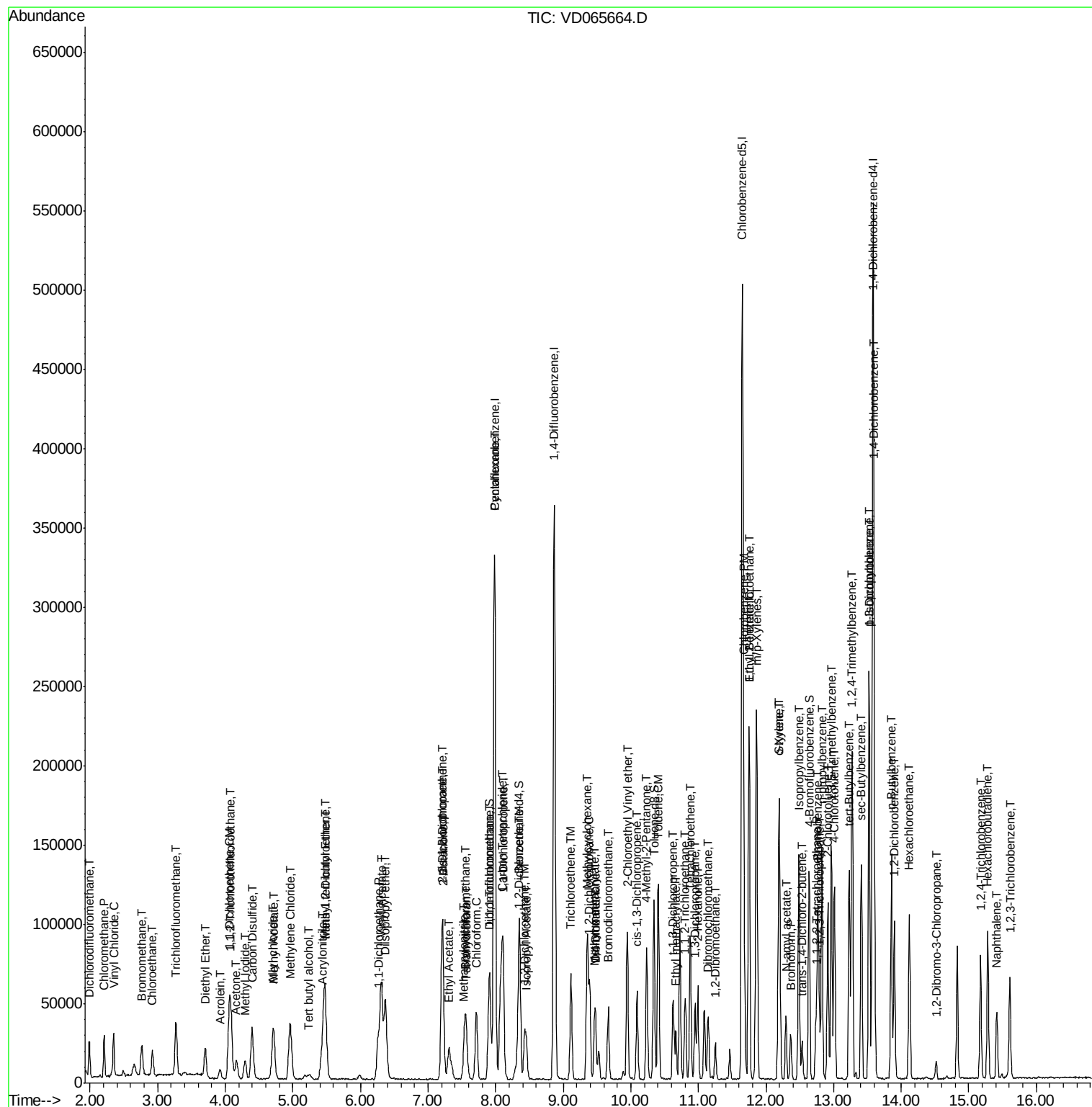
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	27085	10.174	ug/l	97
94) Hexachlorobutadiene	15.28	225	19990	10.898	ug/l	98
95) Naphthalene	15.41	128	38258	9.800	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	24361	10.408	ug/l	98

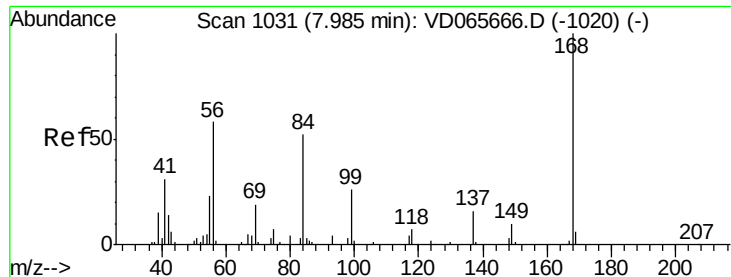
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

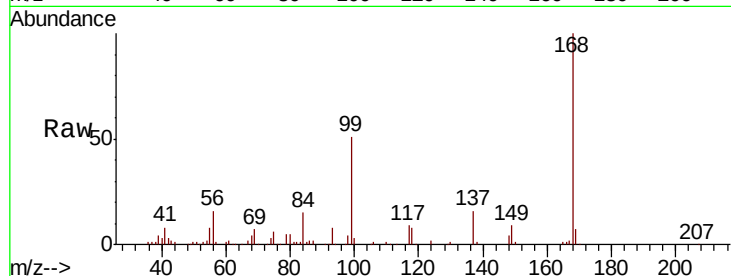
ClientSampled :

Tot Ion:168 Resp: 218382

Ion Ratio Lower Upper

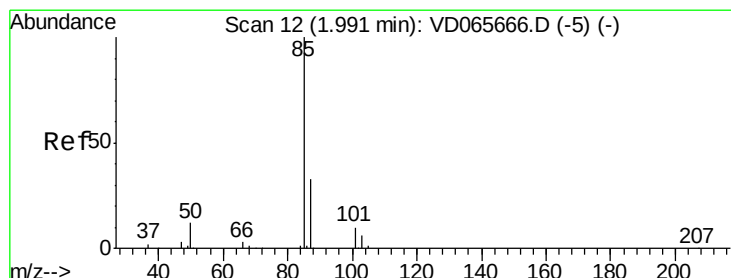
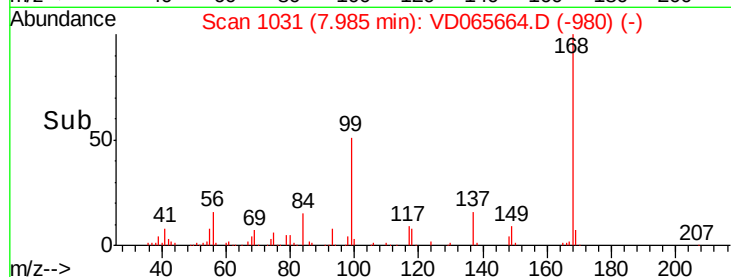
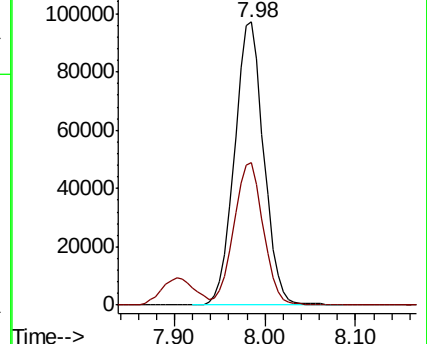
168 100

99 50.6 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 9.889 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065664.D

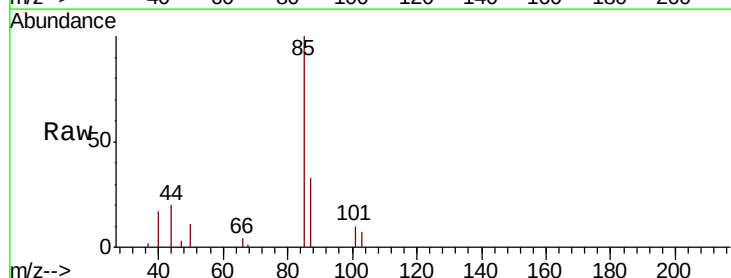
Acq: 22 Apr 2020 14:10

Tgt Ion: 85 Resp: 17395

Ion Ratio Lower Upper

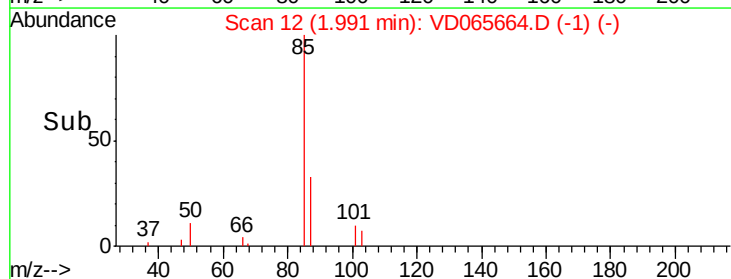
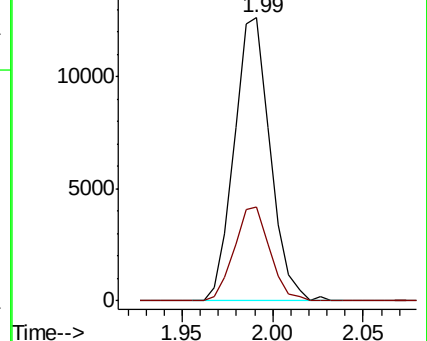
85 100

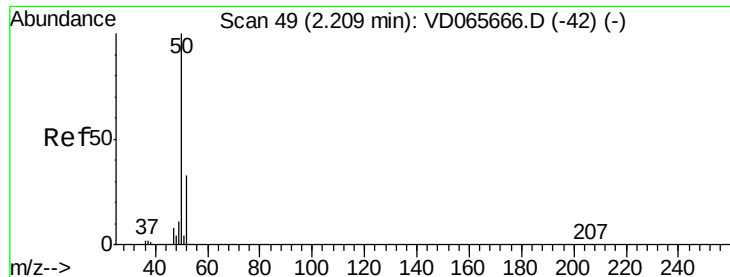
87 33.0 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.821 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

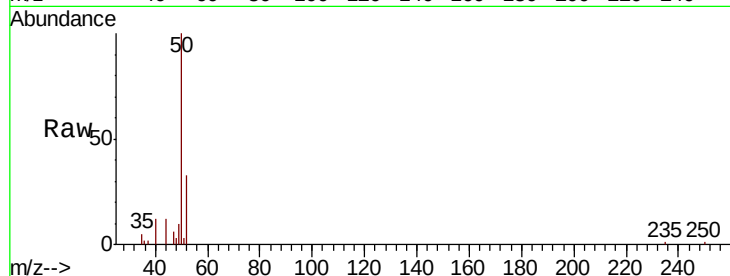
ClientSampleId :

Tot Ion: 50 Resp: 20838

Ion Ratio Lower Upper

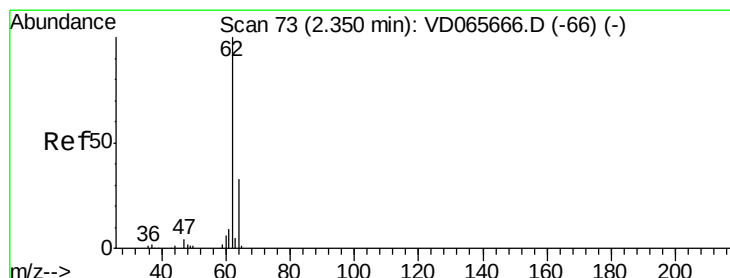
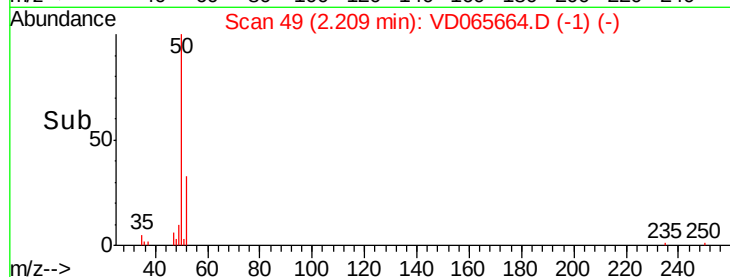
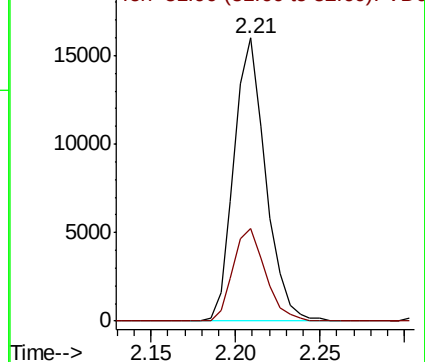
50 100

52 32.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 11.226 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065664.D

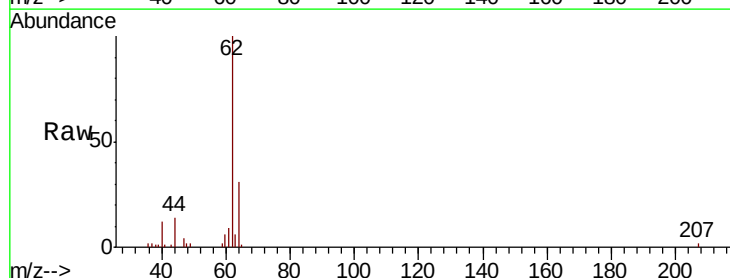
Acq: 22 Apr 2020 14:10

Tgt Ion: 62 Resp: 23563

Ion Ratio Lower Upper

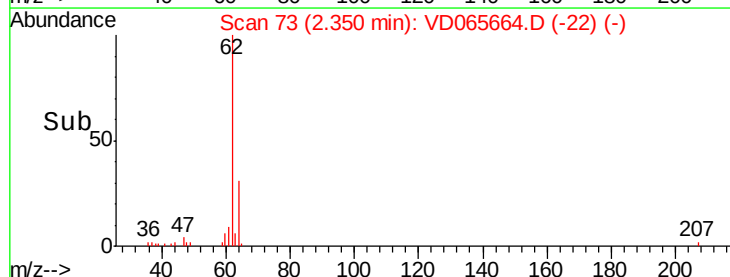
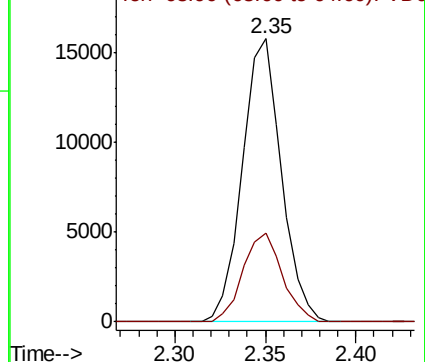
62 100

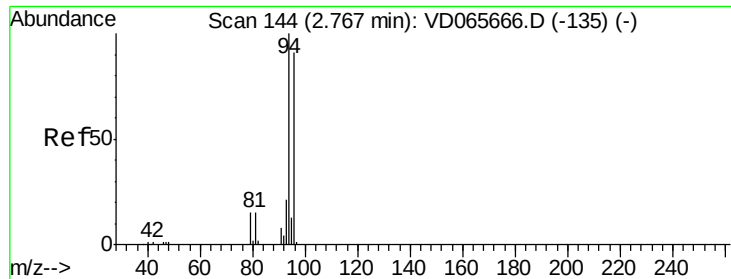
64 31.3 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 12.455 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

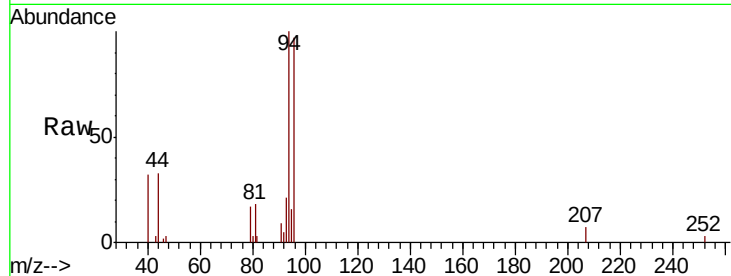
ClientSampleId :

Tot Ion: 94 Resp: 14414

Ion Ratio Lower Upper

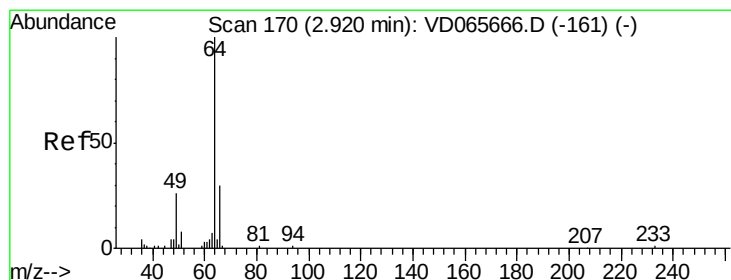
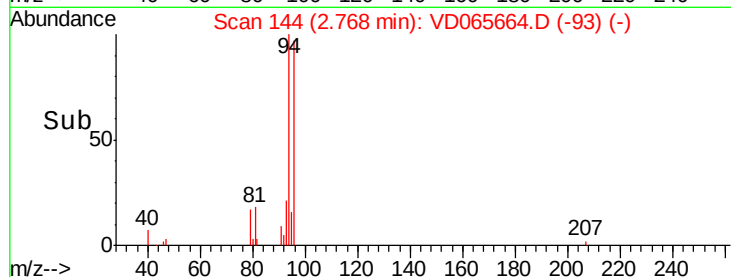
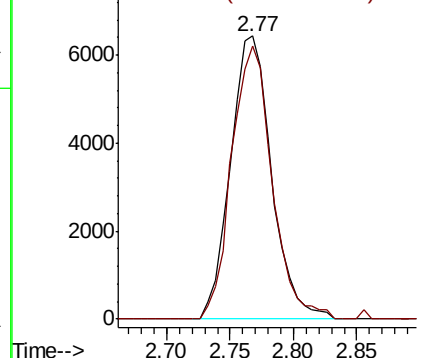
94 100

96 96.6 72.4 108.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.875 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065664.D

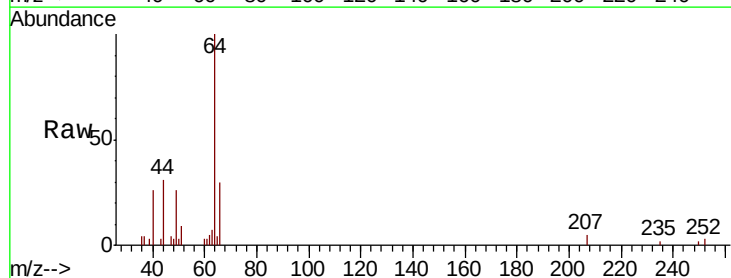
Acq: 22 Apr 2020 14:10

Tgt Ion: 64 Resp: 14870

Ion Ratio Lower Upper

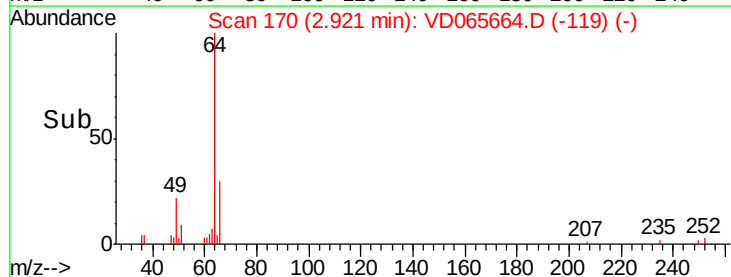
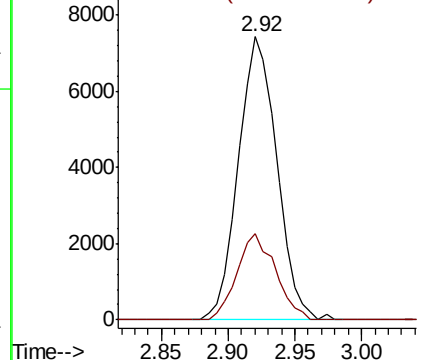
64 100

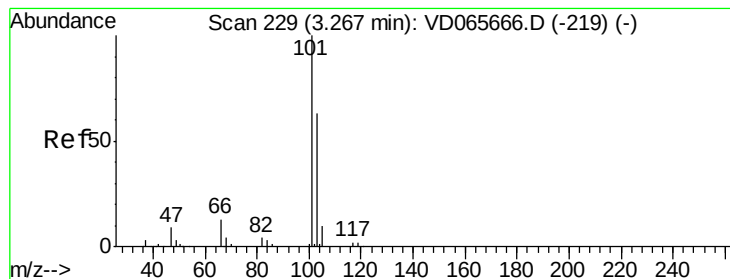
66 30.5 24.2 36.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



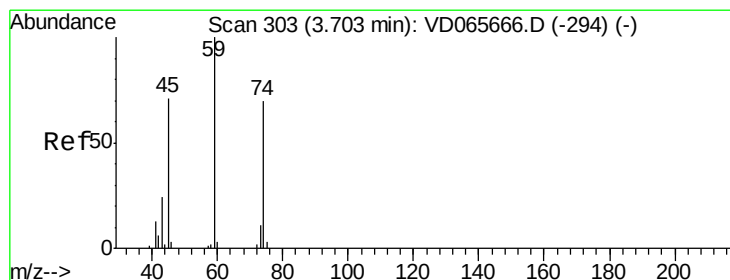
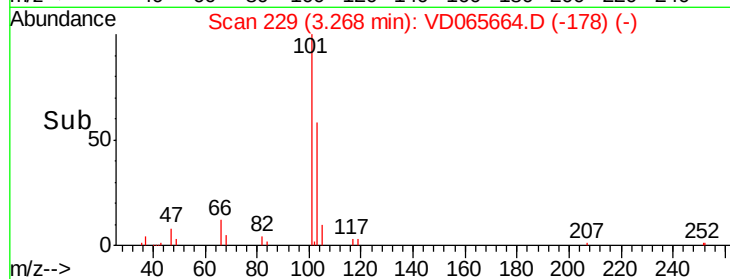
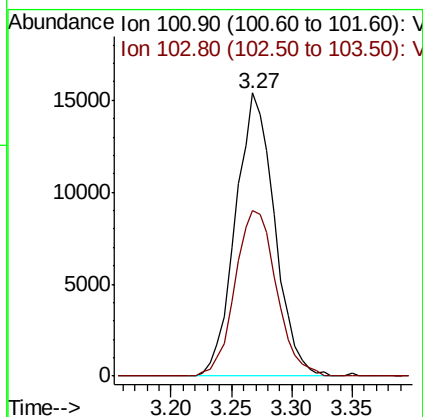
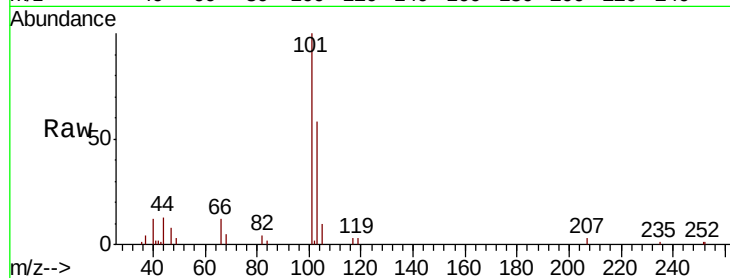


#7

Trichlorofluoromethane
 Concen: 11.542 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :

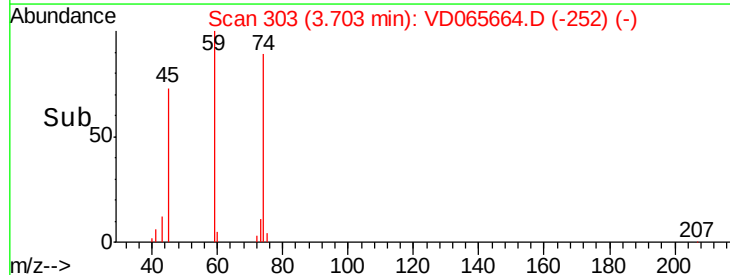
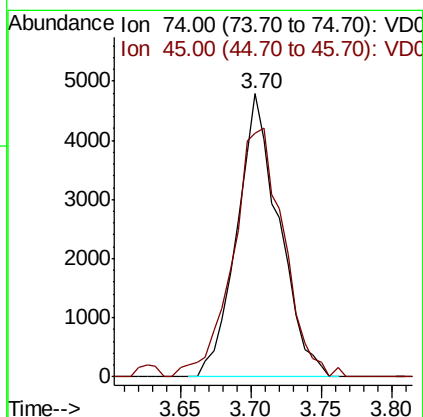
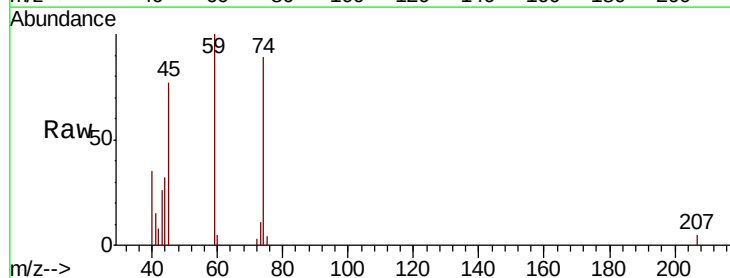
Tot Ion:101 Resp: 34674
 Ion Ratio Lower Upper
 101 100
 103 58.4 50.2 75.2

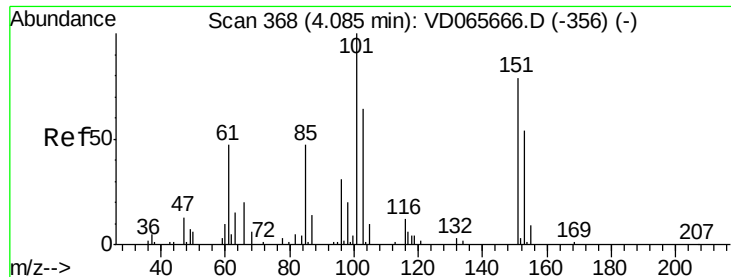


#8

Diethyl Ether
 Concen: 16.319 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion: 74 Resp: 9974
 Ion Ratio Lower Upper
 74 100
 45 105.7 51.0 153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.562 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

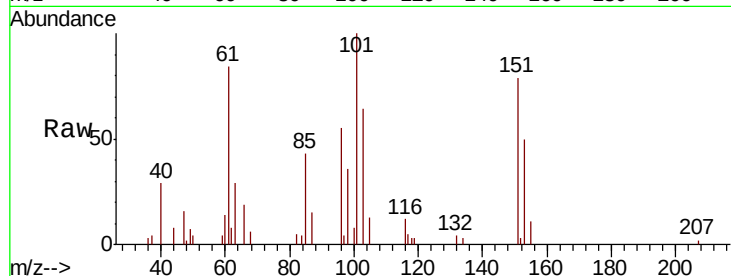
Tot Ion:101 Resp: 22760

Ion Ratio Lower Upper

101 100

85 41.4 35.6 53.4

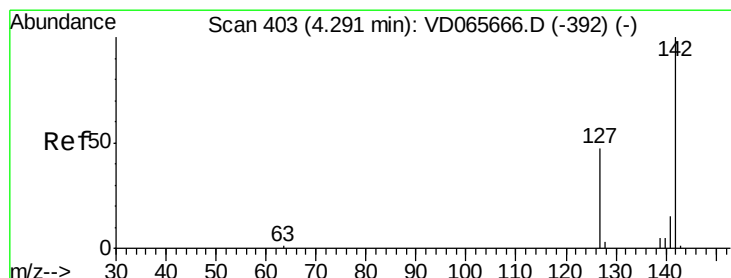
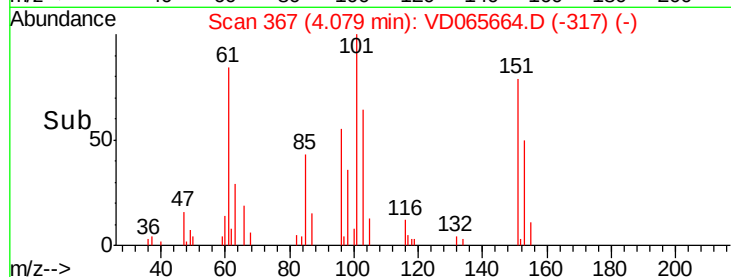
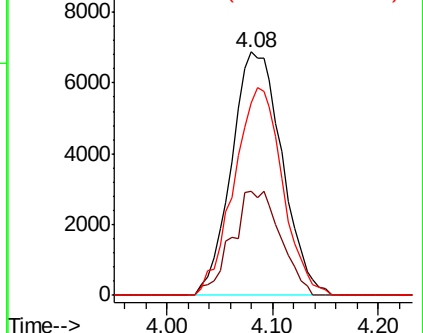
151 82.0 65.4 98.0



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: 10.239 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

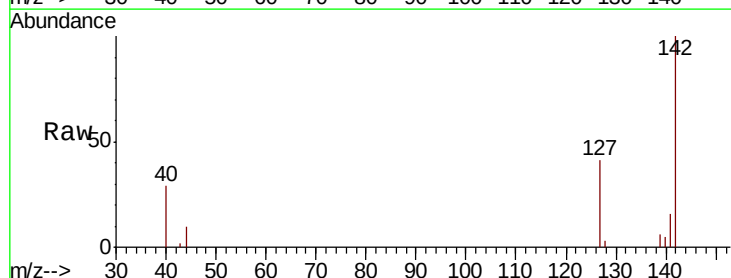
Tgt Ion:142 Resp: 18994

Ion Ratio Lower Upper

142 100

127 41.6 38.2 57.2

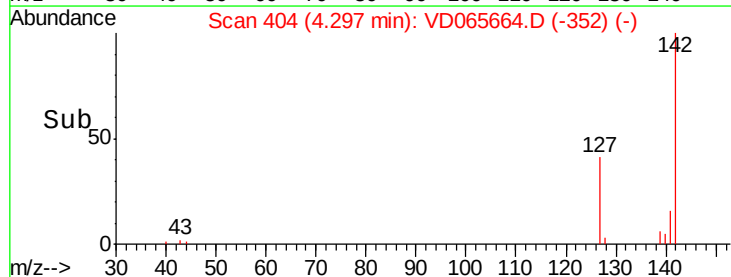
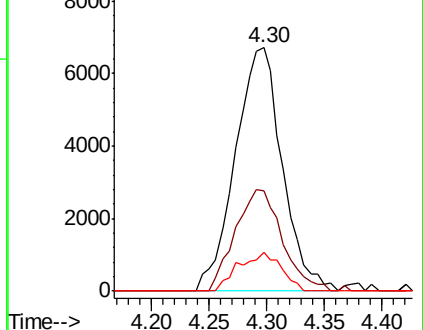
141 14.3 12.1 18.1

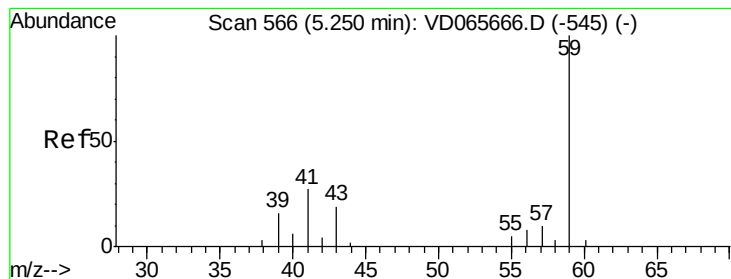


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



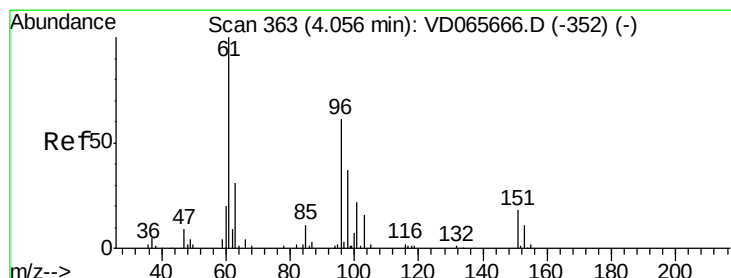
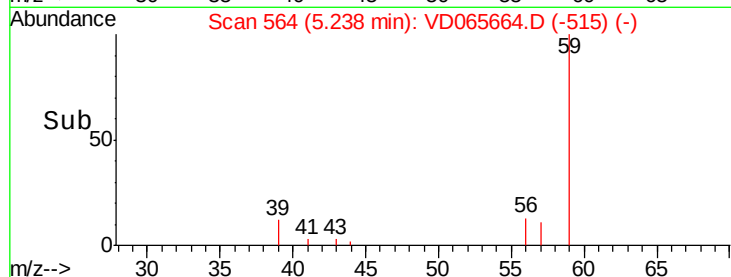
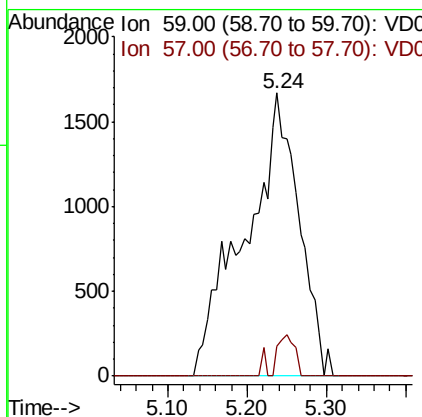
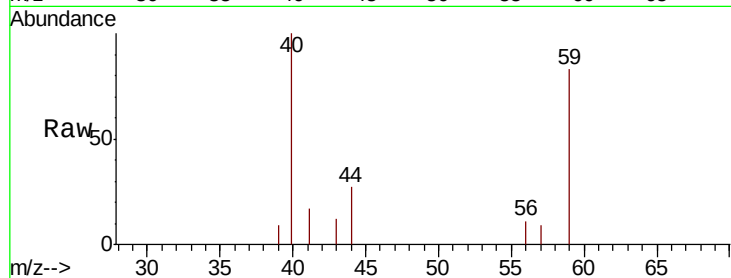


#11

Tert butyl alcohol
 Concen: 77.655 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :

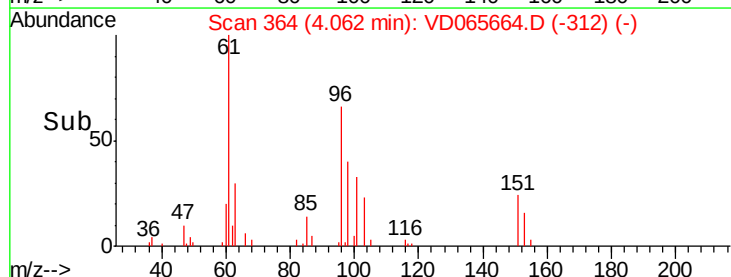
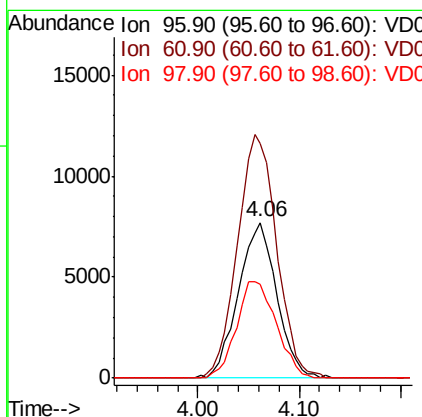
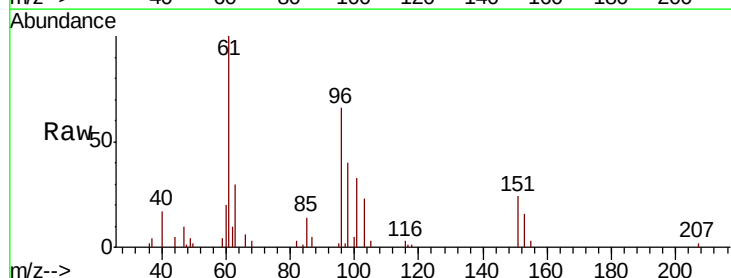
Tot Ion: 59 Resp: 7890
 Ion Ratio Lower Upper
 59 100
 57 4.4 7.5 11.3#

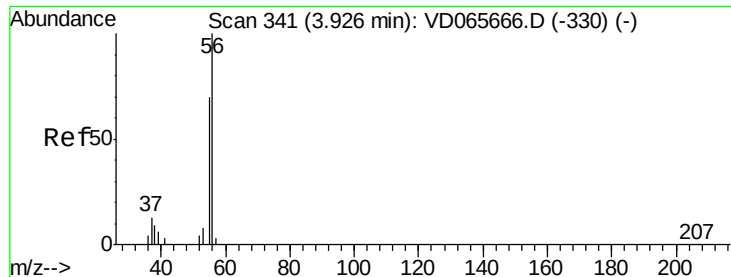


#12

1,1-Dichloroethene
 Concen: 16.361 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion: 96 Resp: 20218
 Ion Ratio Lower Upper
 96 100
 61 151.3 131.8 197.6
 98 60.3 48.2 72.4





#13

Acrolein

Concen: 80.471 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

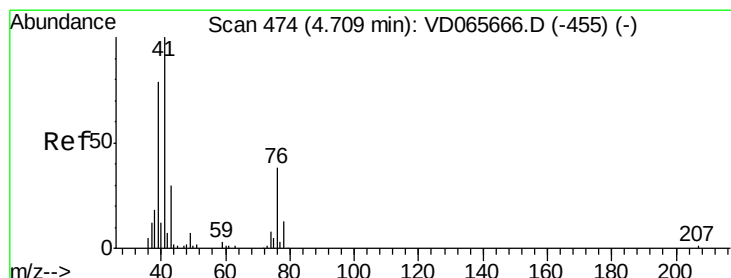
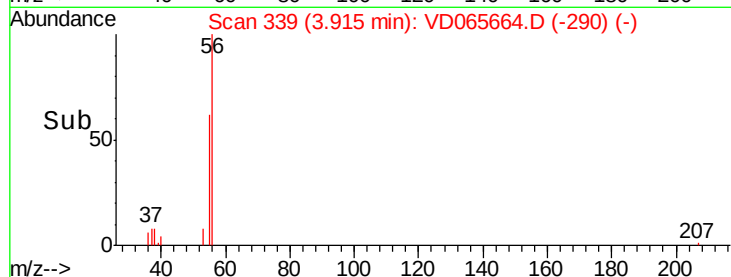
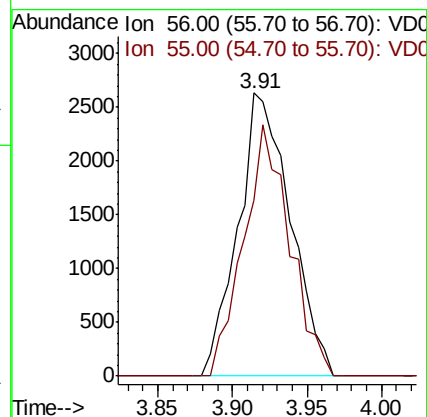
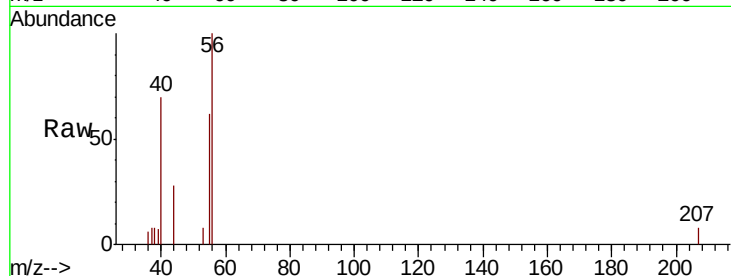
ClientSampled :

Tot Ion: 56 Resp: 6414

Ion Ratio Lower Upper

56 100

55 78.1 57.3 85.9



#14

Allyl chloride

Concen: 13.361 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

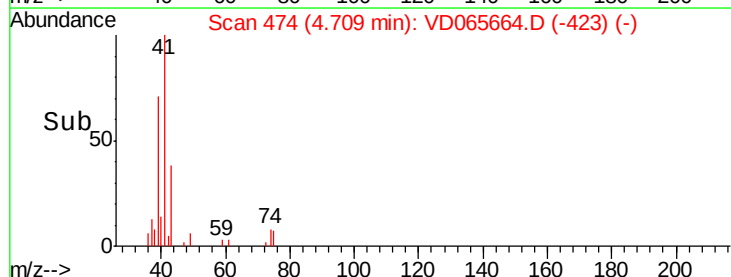
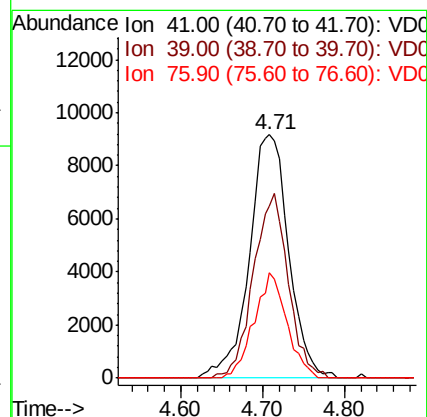
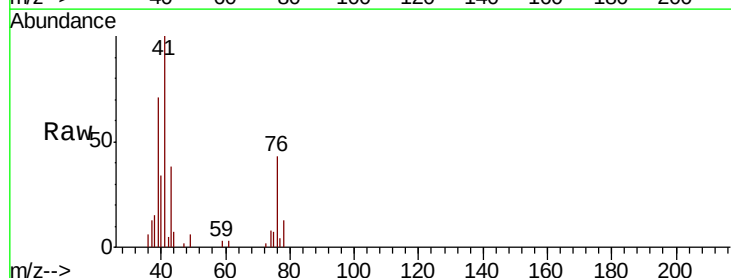
Tgt Ion: 41 Resp: 30678

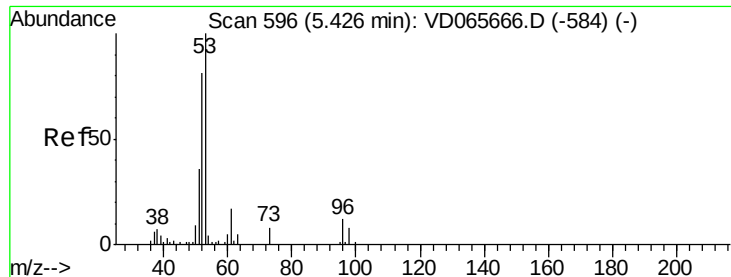
Ion Ratio Lower Upper

41 100

39 67.1 60.7 91.1

76 36.2 29.3 43.9





#15

Acrylonitrile

Concen: 59.240 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

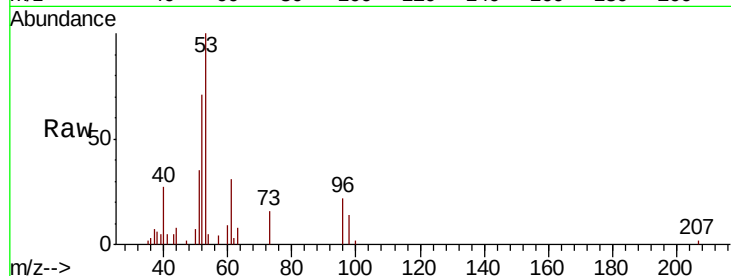
Tot Ion: 53 Resp: 23121

Ion Ratio Lower Upper

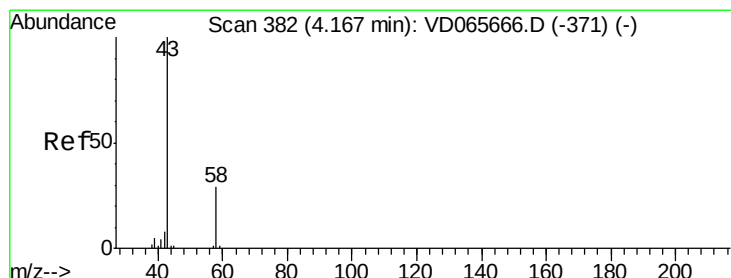
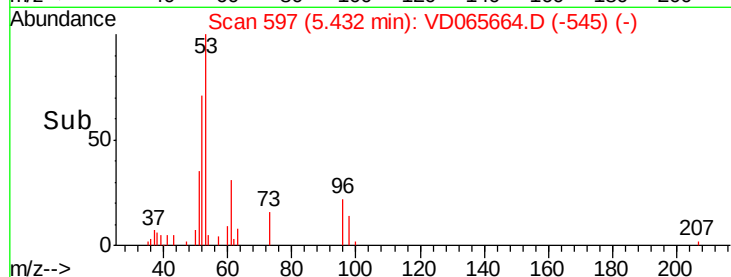
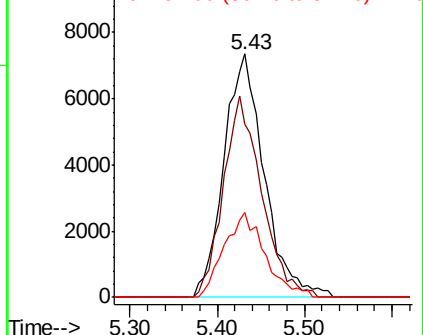
53 100

52 78.3 64.2 96.2

51 35.3 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: 80.249 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065664.D

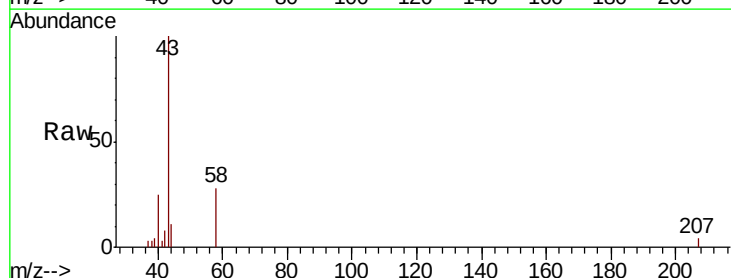
Acq: 22 Apr 2020 14:10

Tgt Ion: 43 Resp: 21006

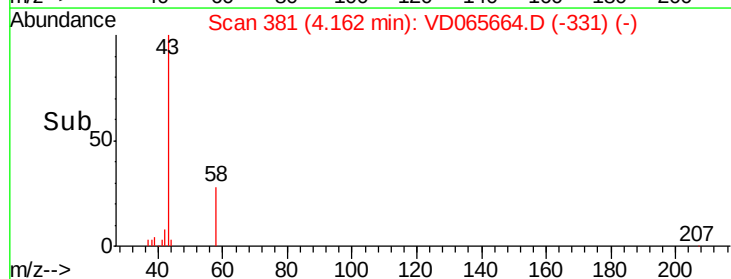
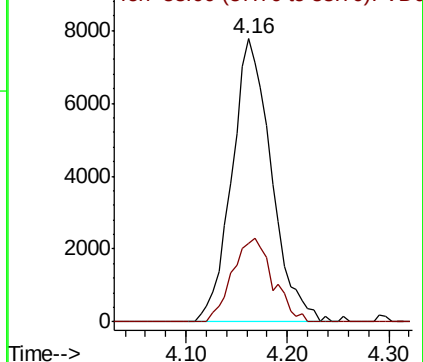
Ion Ratio Lower Upper

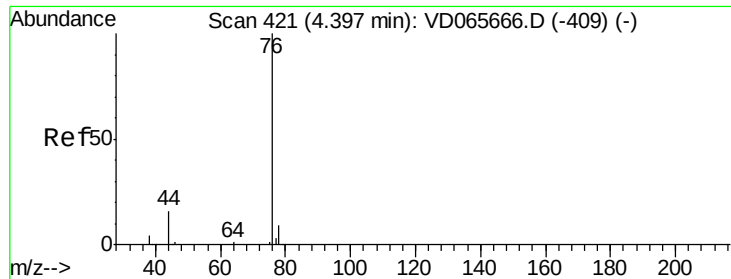
43 100

58 27.8 22.6 34.0



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

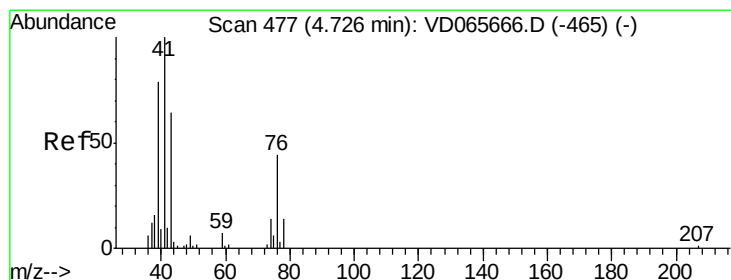
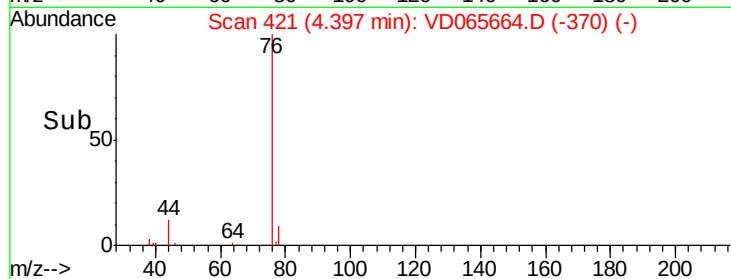
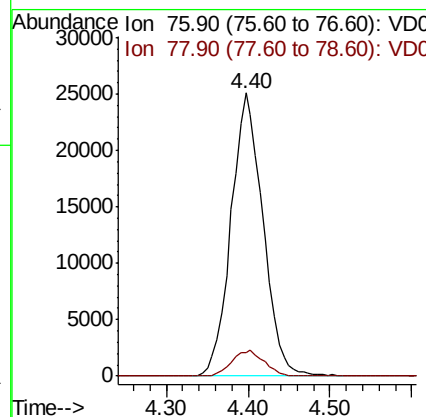
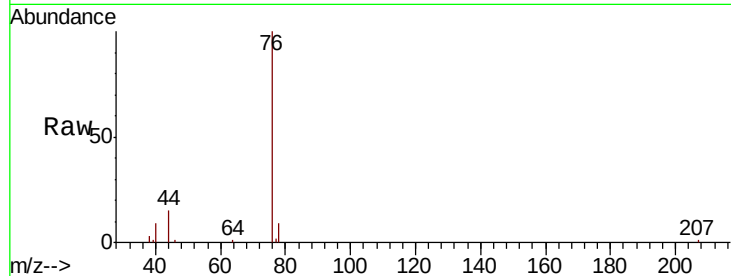




#17
Carbon Disulfide
Concen: 14.172 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

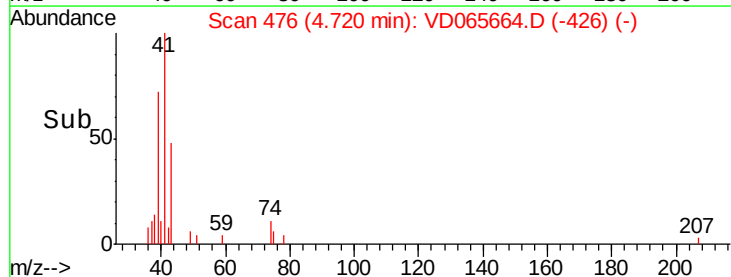
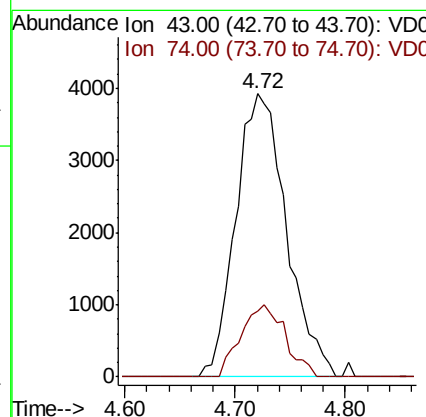
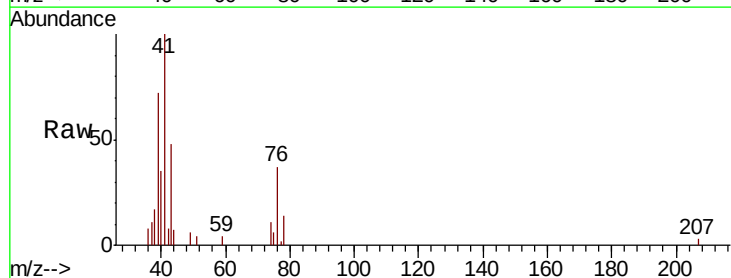
Instrument :
MSVOA_D
ClientSampled :

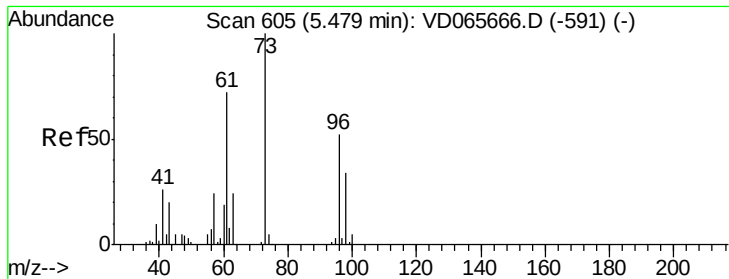
Tot Ion: 76 Resp: 68136
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#18
Methyl Acetate
Concen: 14.711 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion: 43 Resp: 12630
Ion Ratio Lower Upper
43 100
74 22.3 18.6 28.0



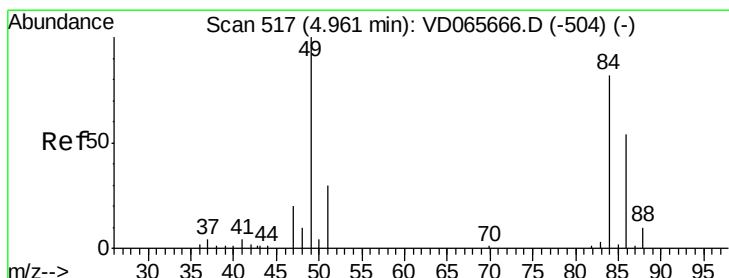
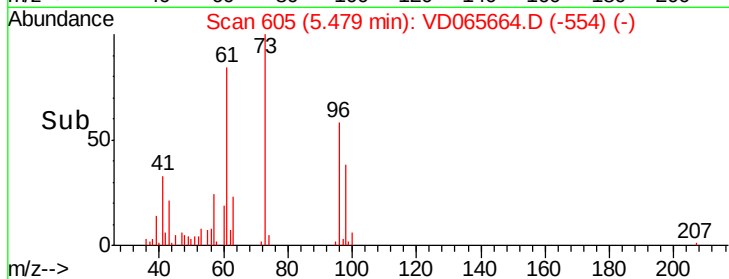
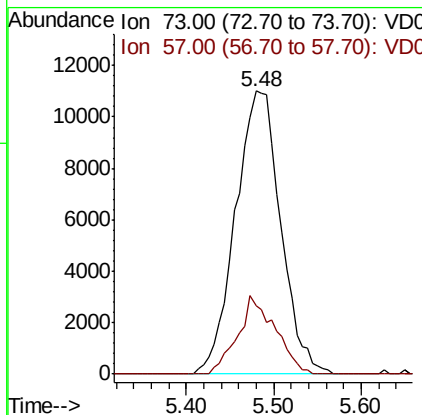
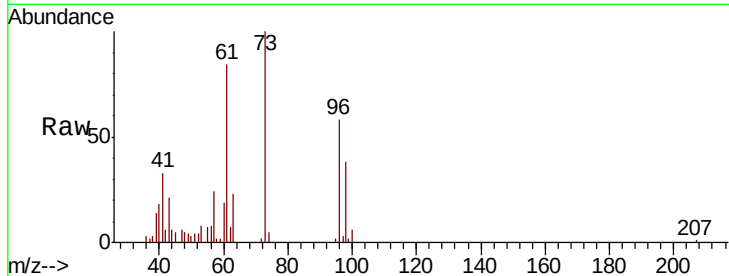


#19

Methyl tert-butyl Ether
 Concen: 10.697 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleID :

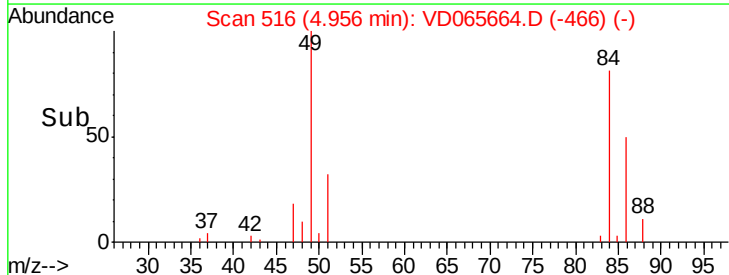
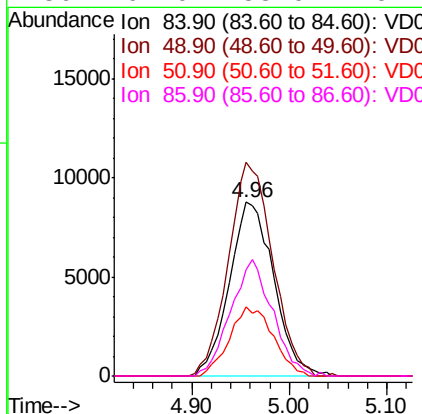
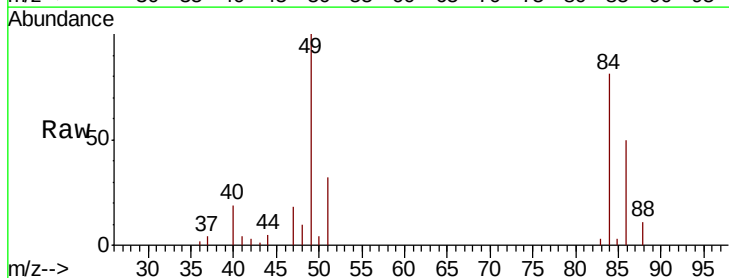
Tot Ion: 73 Resp: 38719
 Ion Ratio Lower Upper
 73 100
 57 24.0 19.6 29.4

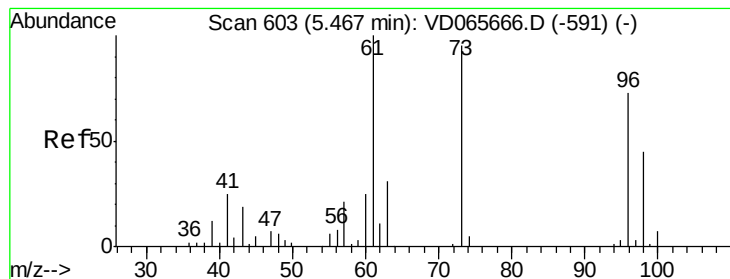


#20

Methylene Chloride
 Concen: 13.536 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion: 84 Resp: 27896
 Ion Ratio Lower Upper
 84 100
 49 122.8 97.7 146.5
 51 39.6 29.4 44.2
 86 61.0 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 10.916 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :

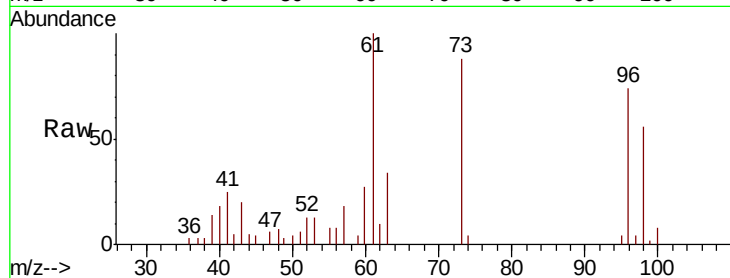
Tot Ion: 96 Resp: 22786

Ion Ratio Lower Upper

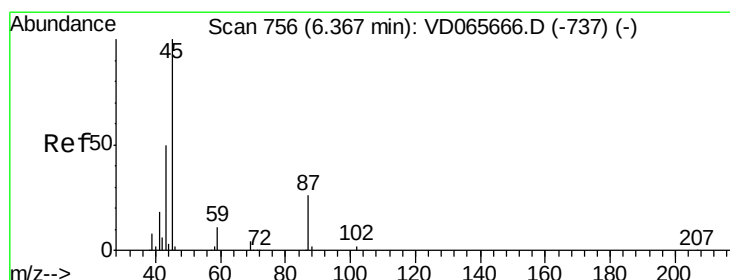
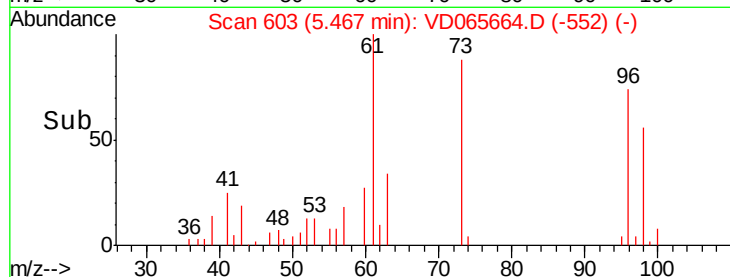
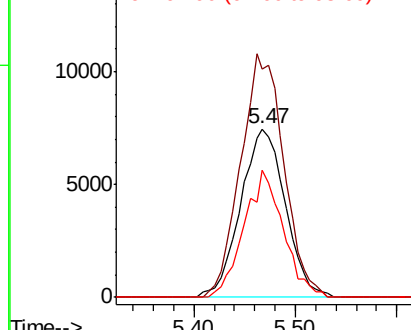
96 100

61 136.0 109.6 164.4

98 75.7 49.3 73.9#



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



#22

Diisopropyl ether

Concen: 10.829 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tgt Ion: 45 Resp: 60547

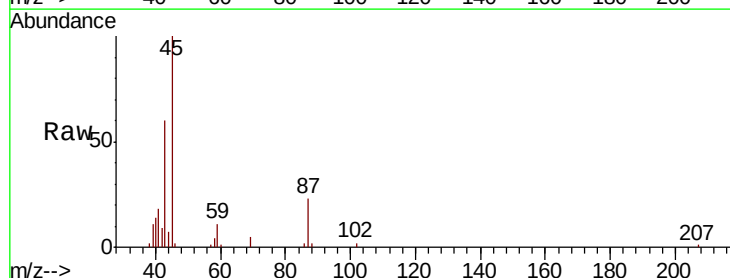
Ion Ratio Lower Upper

45 100

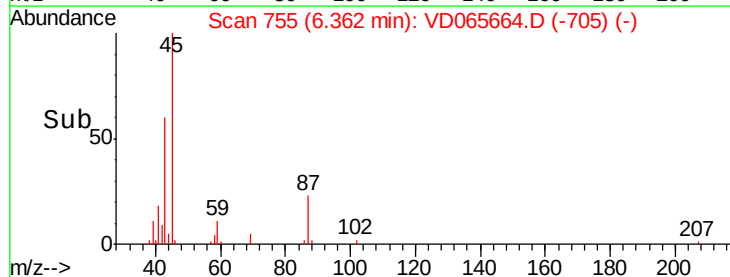
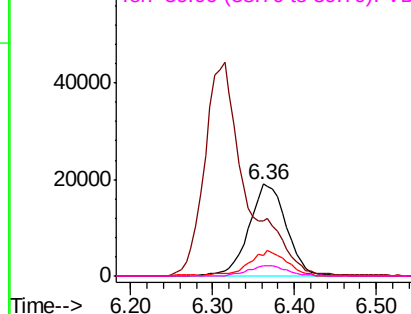
43 59.3 41.9 62.9

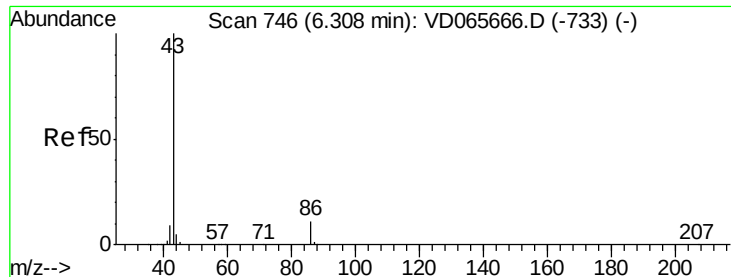
87 22.7 21.6 32.4

59 11.2 9.3 13.9



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: 52.679 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

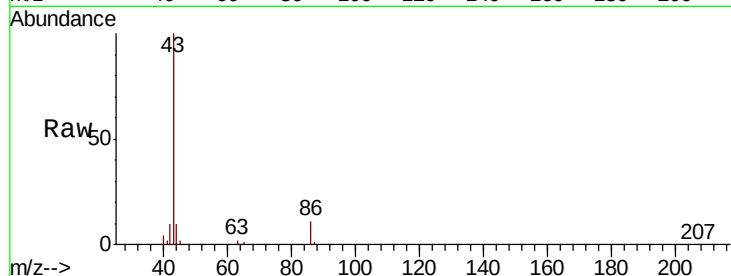
ClientSampleId :

Tot Ion: 43 Resp: 156962

Ion Ratio Lower Upper

43 100

86 10.7 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

50000

40000

30000

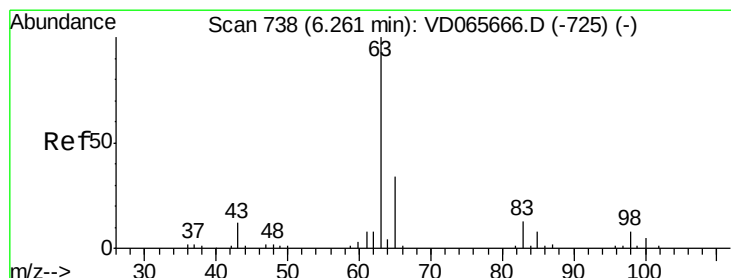
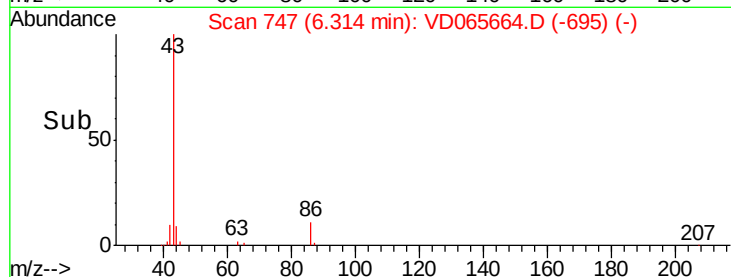
20000

10000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 11.345 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

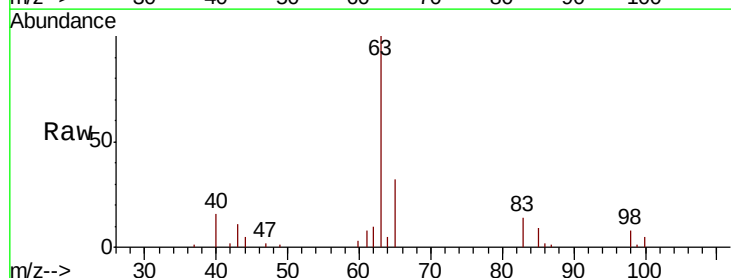
Tgt Ion: 63 Resp: 40432

Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.2

100 4.7 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

15000

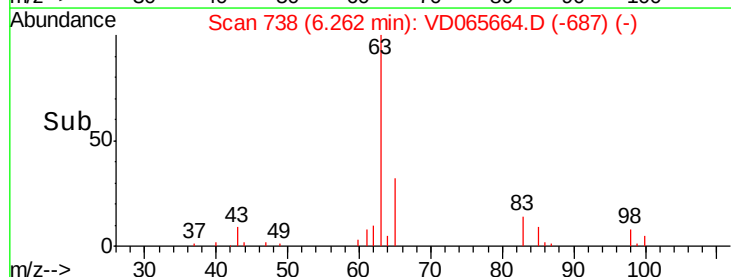
10000

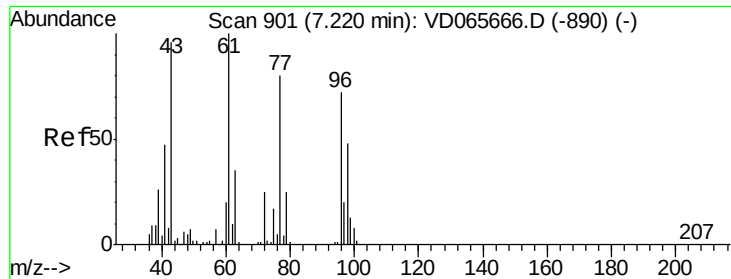
5000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 56.863 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

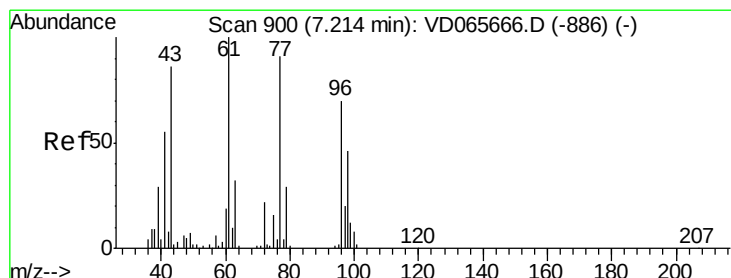
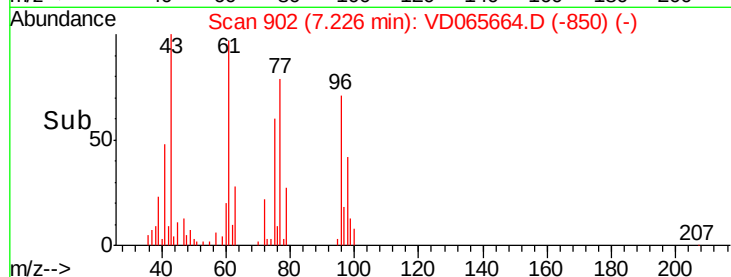
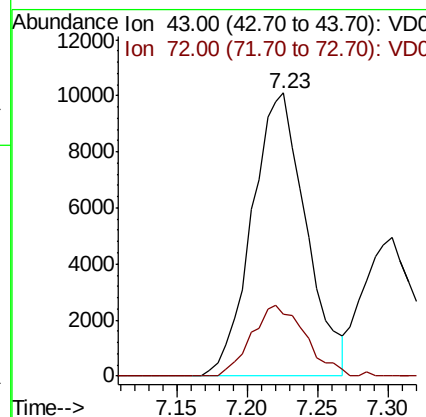
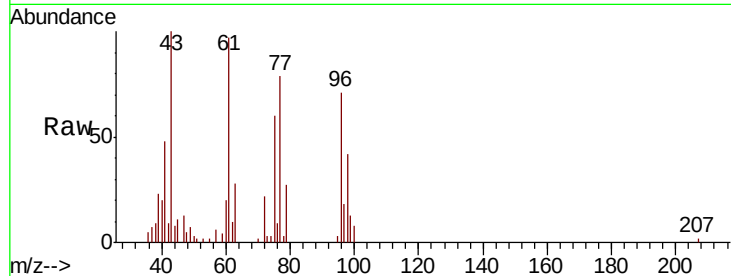
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 27141

Ion Ratio Lower Upper

43 100

72 21.7 21.1 31.7



#26

2,2-Dichloropropane

Concen: 11.436 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065664.D

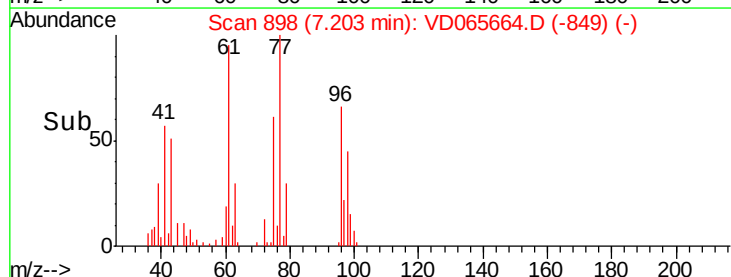
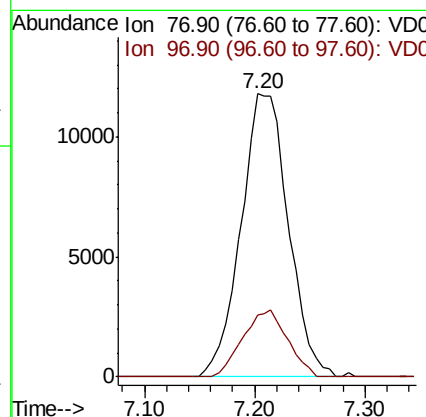
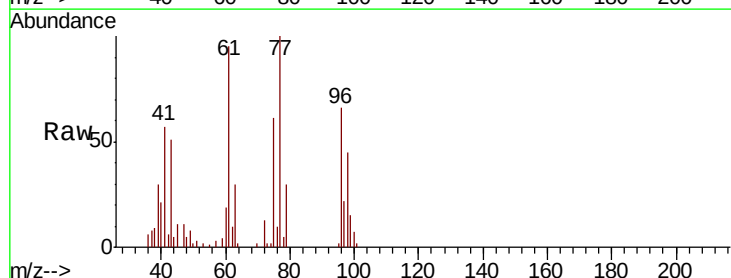
Acq: 22 Apr 2020 14:10

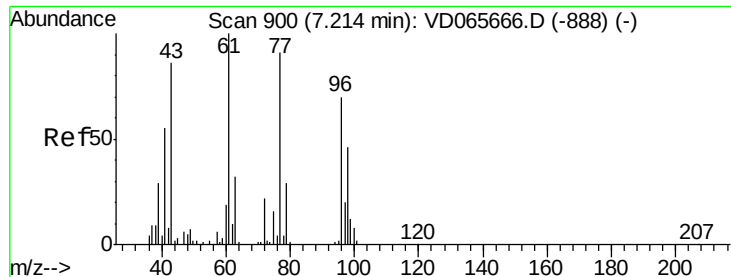
Tgt Ion: 77 Resp: 35489

Ion Ratio Lower Upper

77 100

97 22.2 11.5 34.4



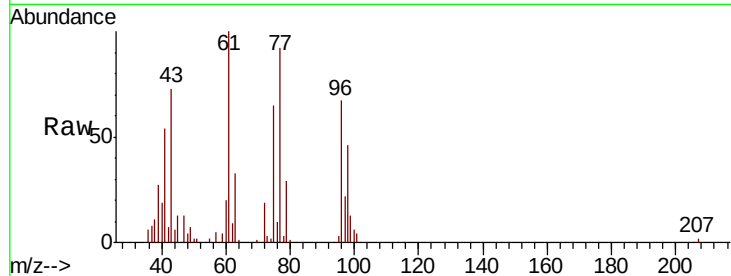


#27

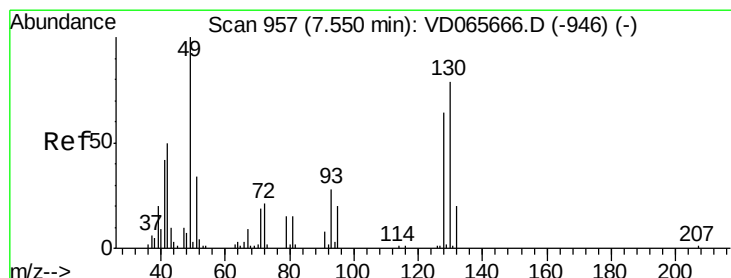
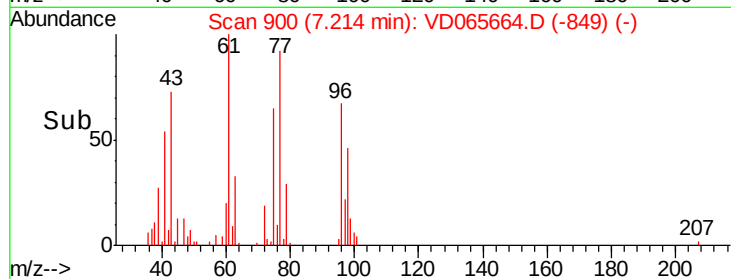
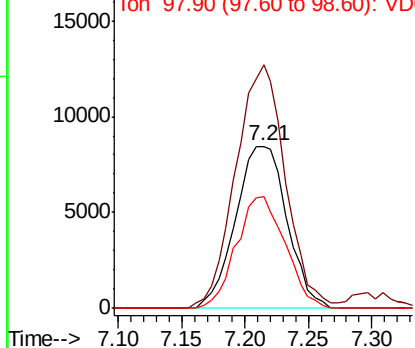
cis-1,2-Dichloroethene
 Concen: 10.972 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 23839
 Ion Ratio Lower Upper
 96 100
 61 145.7 0.0 290.4
 98 65.3 0.0 131.0



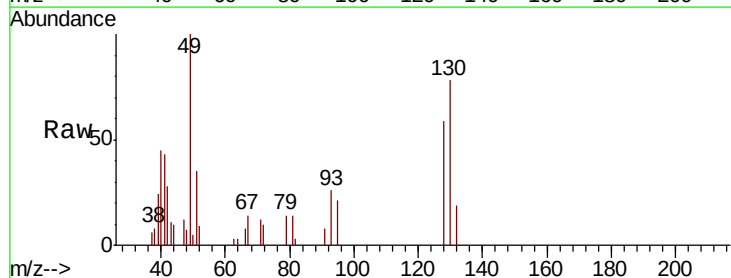
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



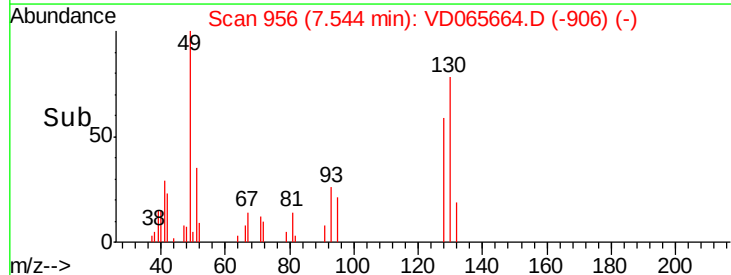
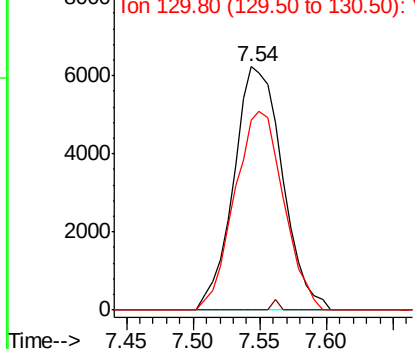
#28

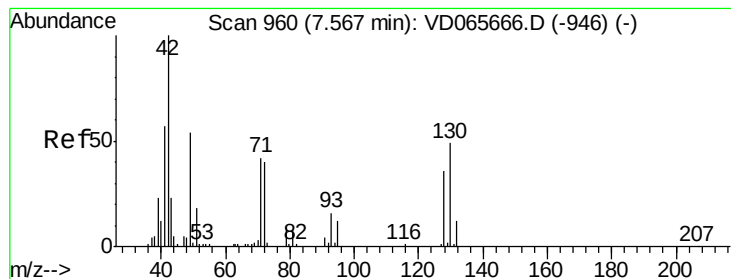
Bromochloromethane
 Concen: 10.841 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion: 49 Resp: 15773
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 5.0
 130 82.2 66.3 99.5



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





#29

Tetrahydrofuran

Concen: 54.456 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

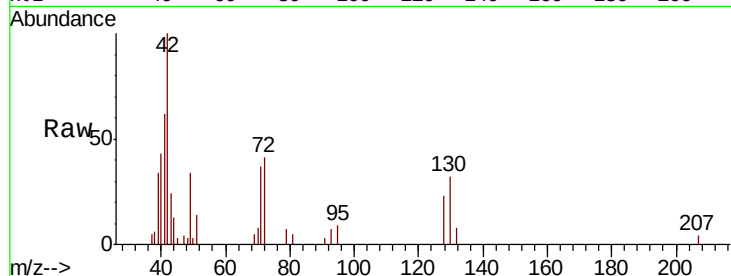
Tot Ion: 42 Resp: 16480

Ion Ratio Lower Upper

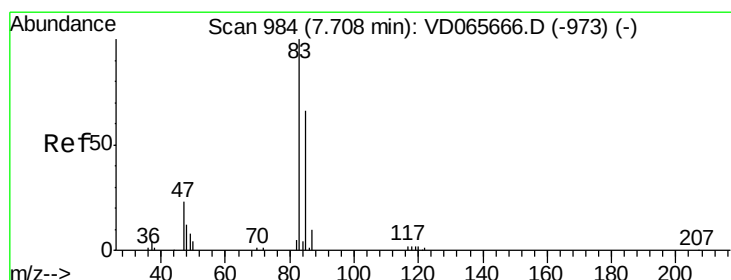
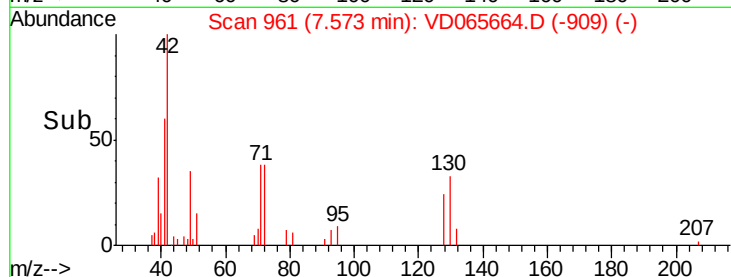
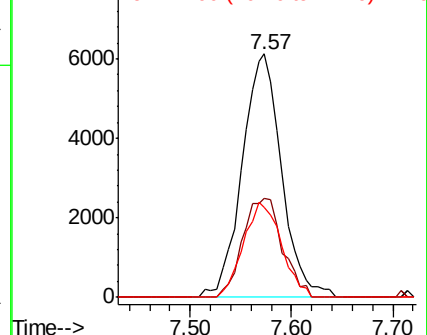
42 100

72 40.7 33.8 50.6

71 37.5 30.7 46.1



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: 11.698 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD065664.D

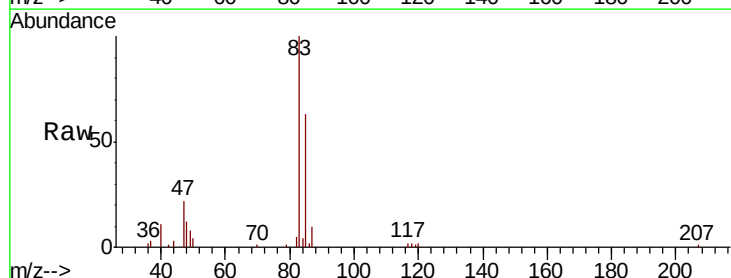
Acq: 22 Apr 2020 14:10

Tgt Ion: 83 Resp: 42468

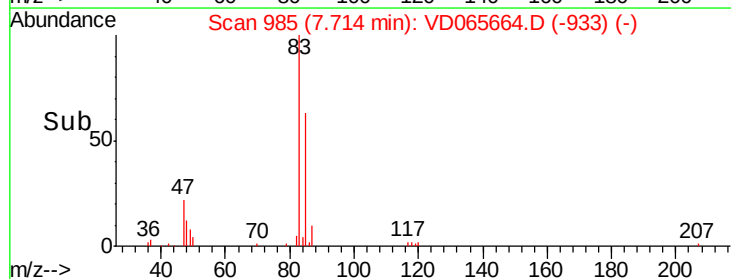
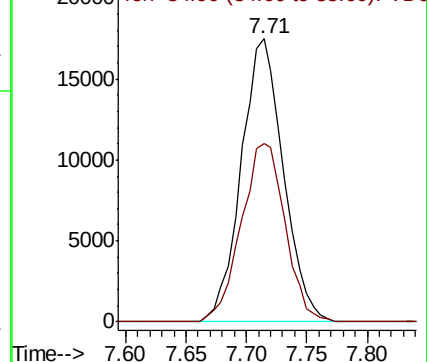
Ion Ratio Lower Upper

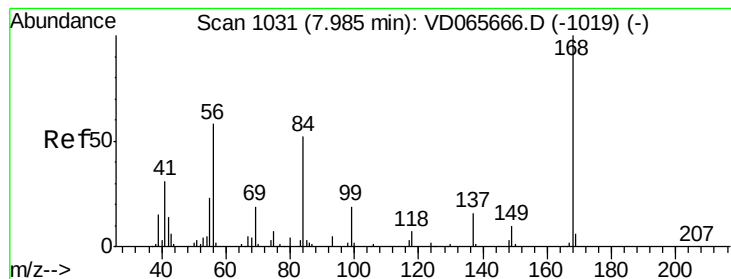
83 100

85 62.9 52.5 78.7



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





#31

Cyclohexane

Concen: 10.812 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

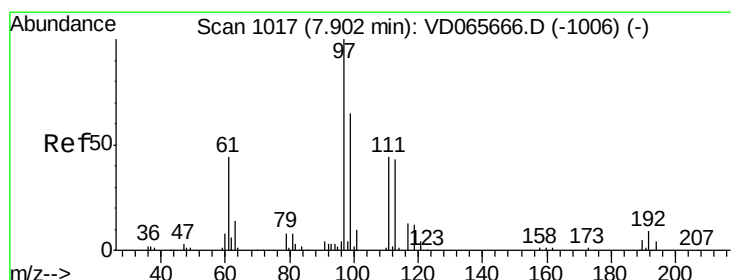
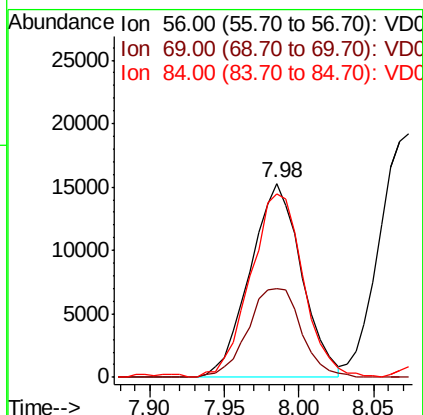
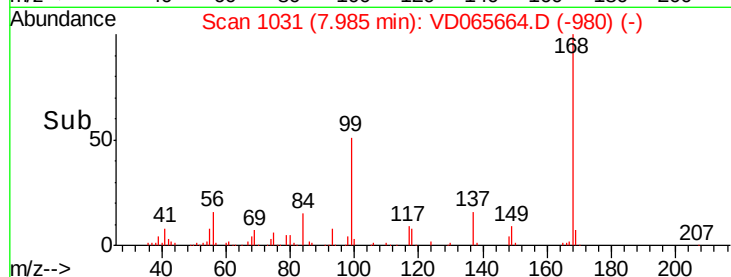
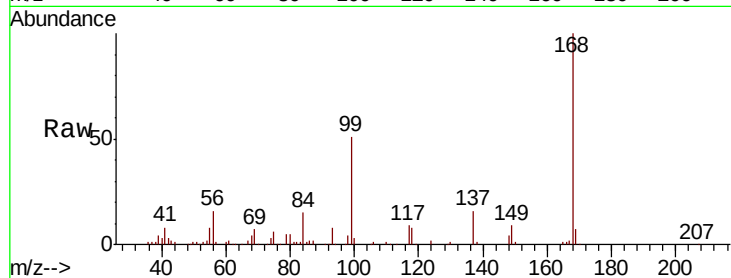
Tot Ion: 56 Resp: 36711

Ion Ratio Lower Upper

56 100

69 46.0 26.3 39.5#

84 95.0 71.4 107.0



#32

1,1,1-Trichloroethane

Concen: 11.531 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

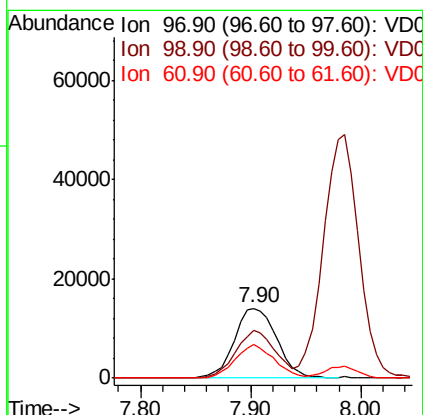
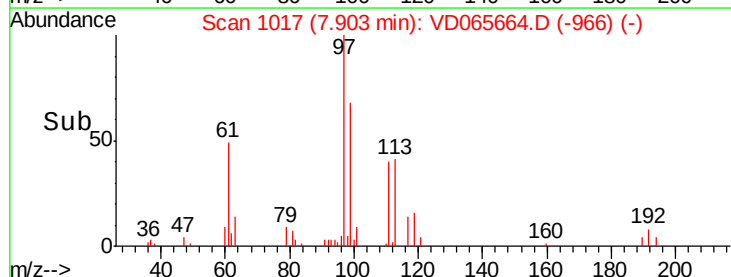
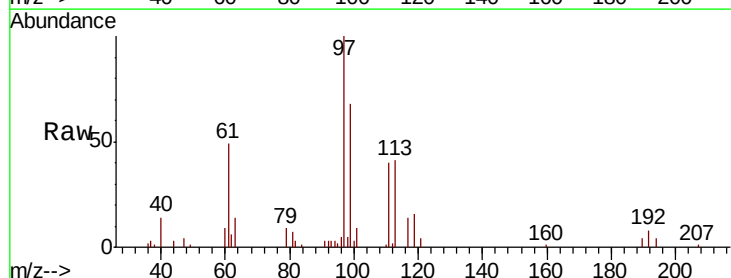
Tgt Ion: 97 Resp: 37820

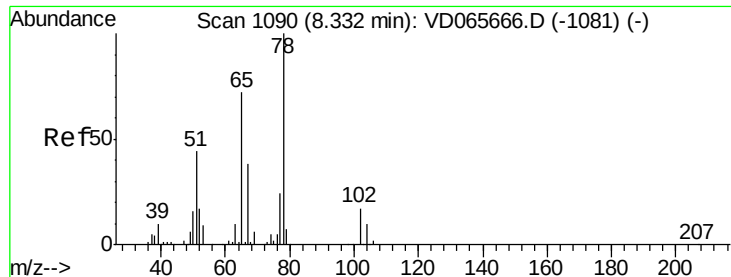
Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

61 44.2 35.8 53.6

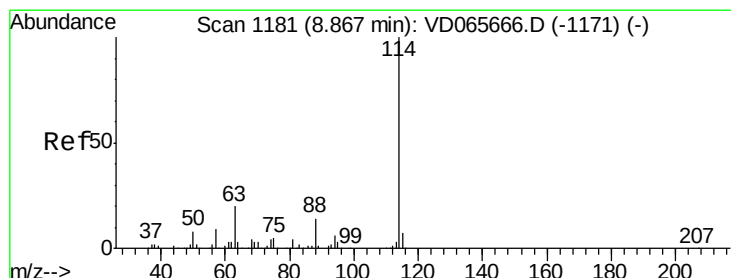
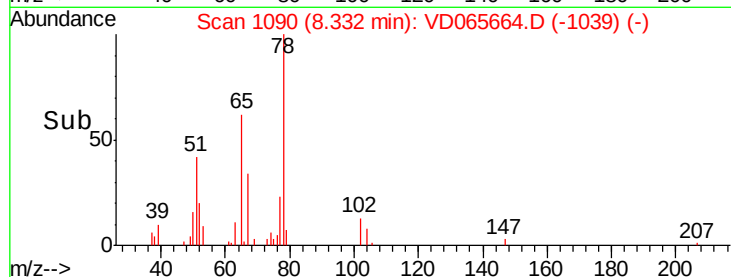
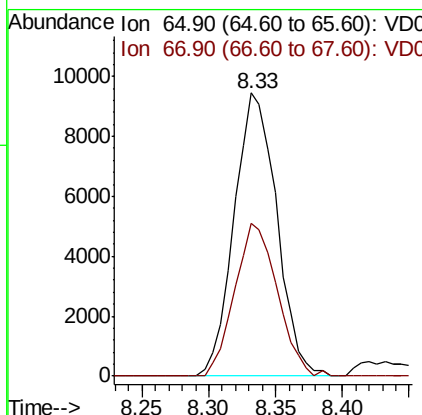
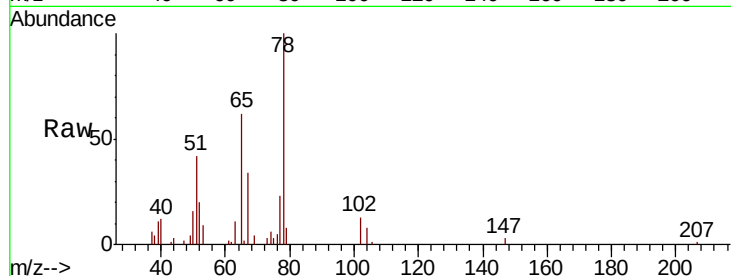




#33
 1,2-Dichloroethane-d4
 Concen: 11.325 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

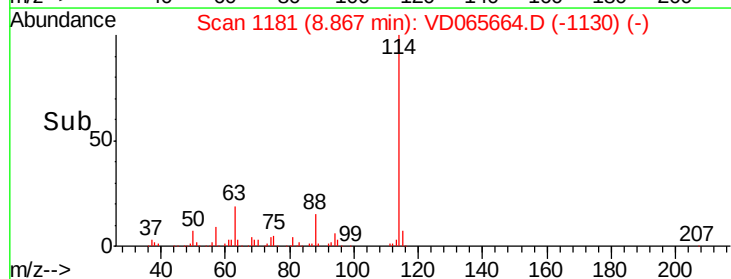
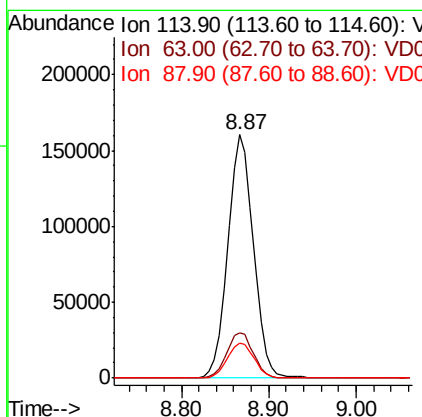
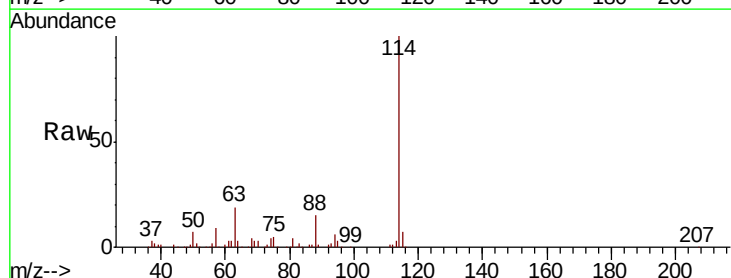
Instrument :
 MSVOA_D
 ClientSampled :

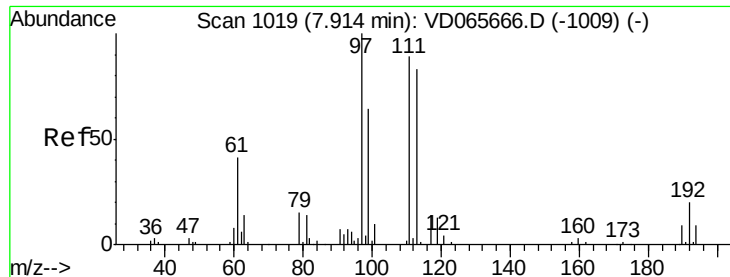
Tot Ion: 65 Resp: 20898
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion: 114 Resp: 319856
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 14.6 0.0 28.4

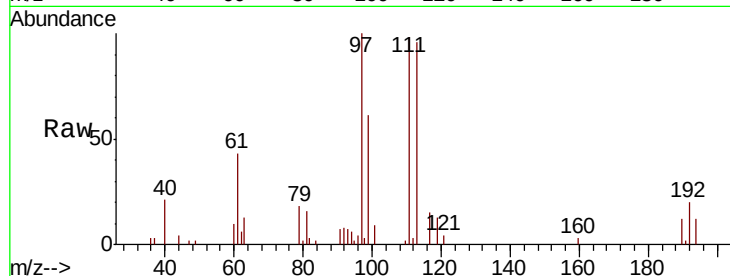




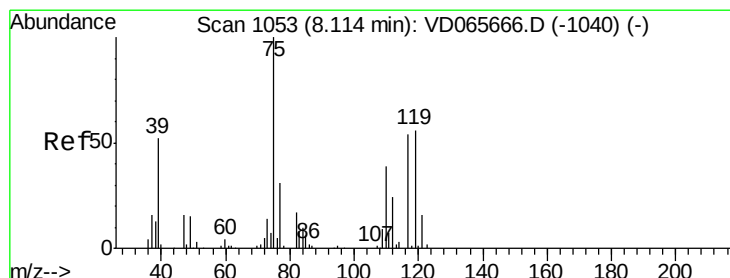
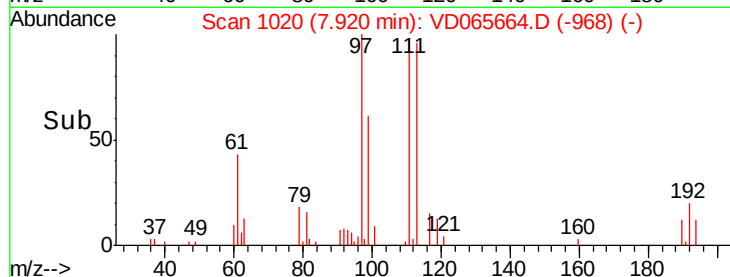
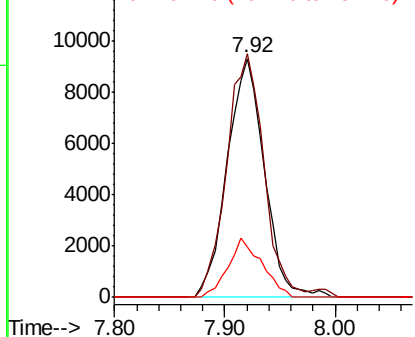
#35
Dibromofluoromethane
Concen: 11.061 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 22045
Ion Ratio Lower Upper
113 100
111 101.3 83.2 124.8
192 22.6 18.6 28.0

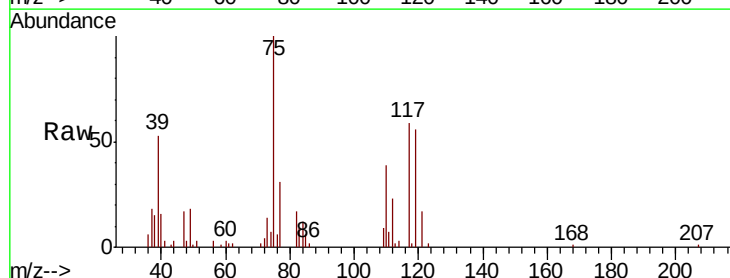


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

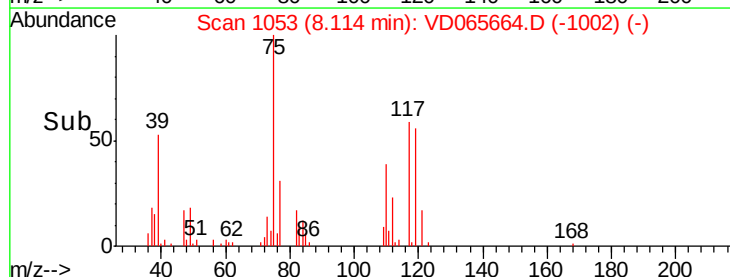
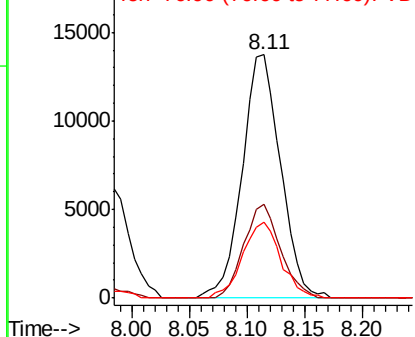


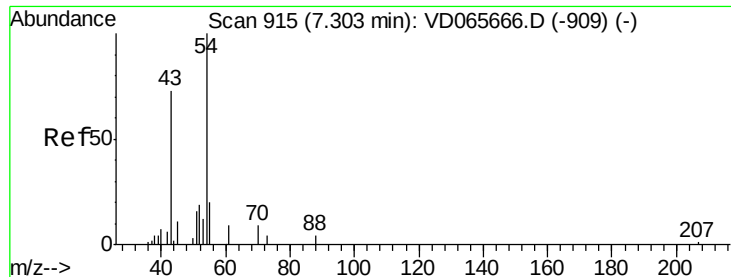
#36
1,1-Dichloropropene
Concen: 10.499 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion: 75 Resp: 31773
Ion Ratio Lower Upper
75 100
110 36.7 18.4 55.0
77 31.2 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

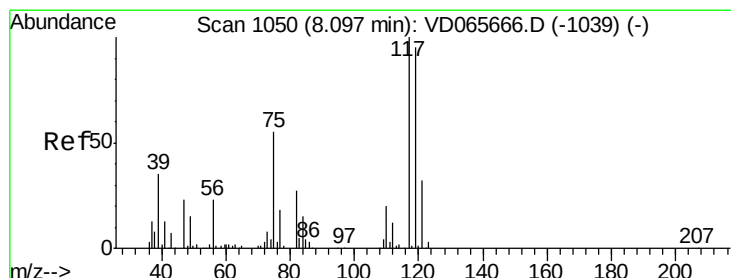
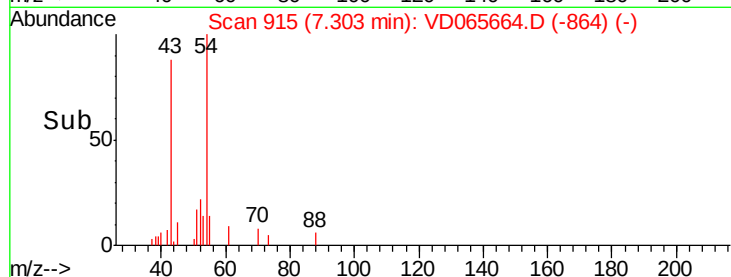
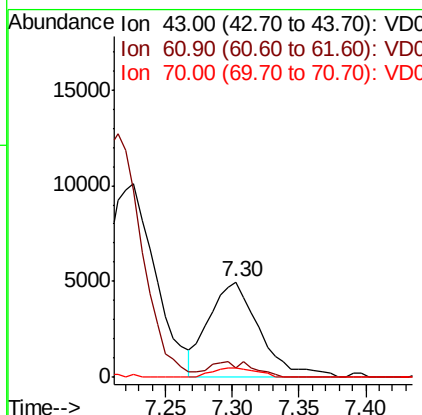
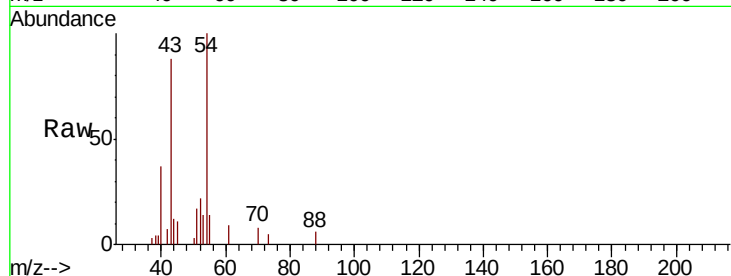




#37
Ethyl Acetate
Concen: 11.147 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

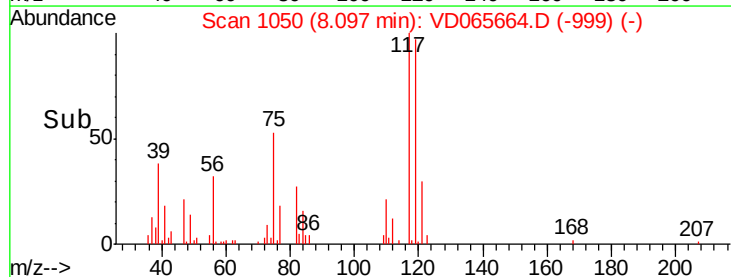
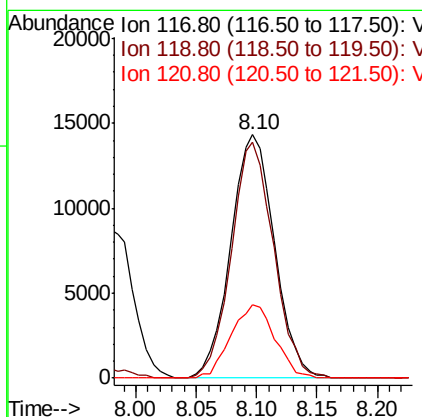
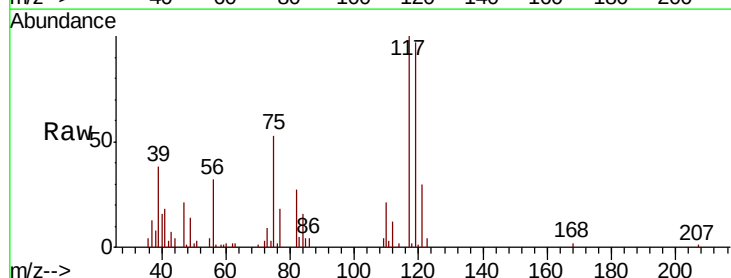
Instrument :
MSVOA_D
ClientSampleId :

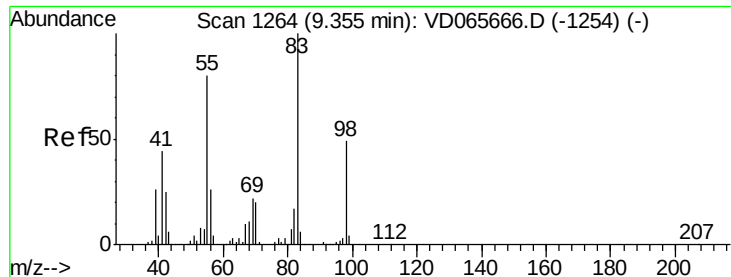
Tot Ion: 43 Resp: 13268
Ion Ratio Lower Upper
43 100
61 13.9 12.1 18.1
70 8.4 7.8 11.8



#38
Carbon Tetrachloride
Concen: 11.189 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion: 117 Resp: 36124
Ion Ratio Lower Upper
117 100
119 96.6 75.7 113.5
121 30.2 25.8 38.6

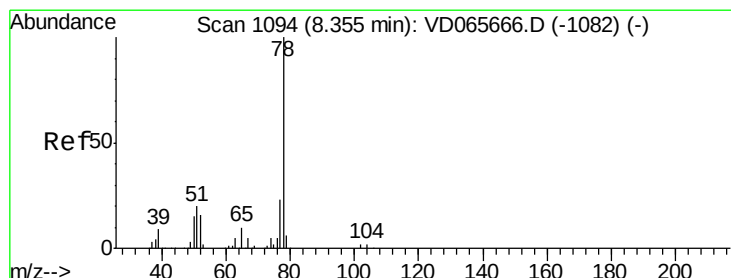
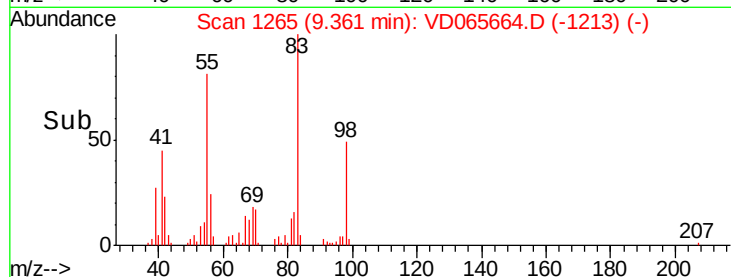
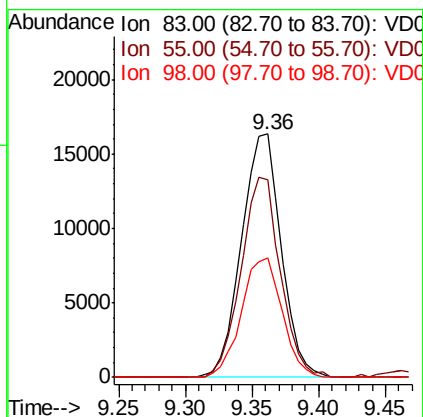
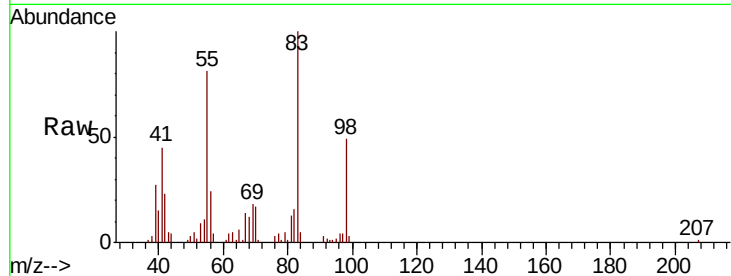




#39
Methylvlcyclohexane
Concen: 9.630 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

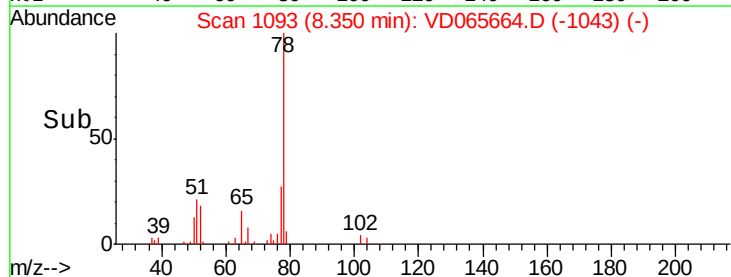
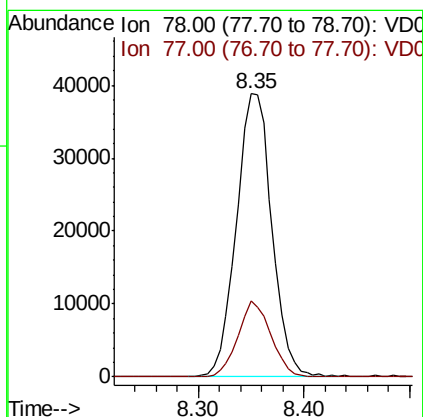
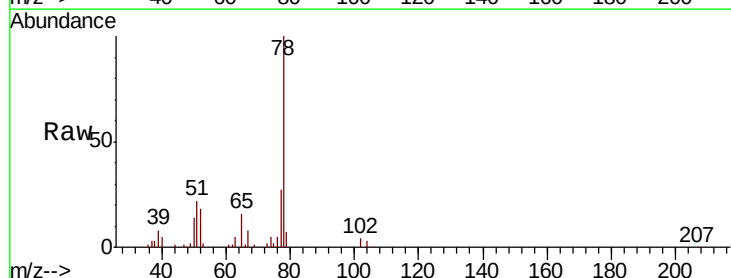
Instrument :
MSVOA_D
ClientSampleId :

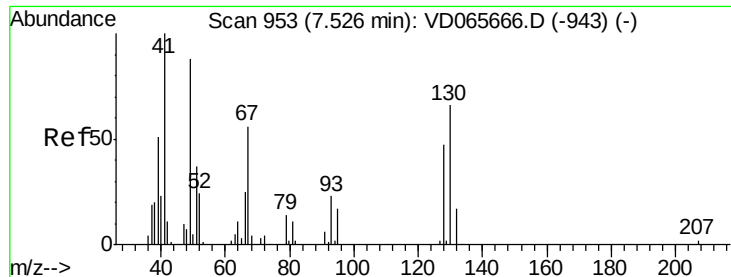
Tot Ion: 83 Resp: 33648
Ion Ratio Lower Upper
83 100
55 80.9 64.0 96.0
98 49.2 39.2 58.8



#40
Benzene
Concen: 10.426 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion: 78 Resp: 90316
Ion Ratio Lower Upper
78 100
77 26.7 18.7 28.1

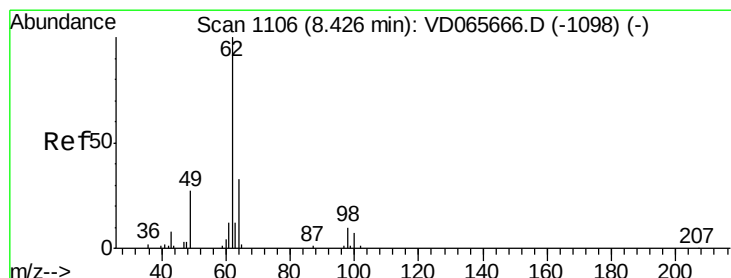
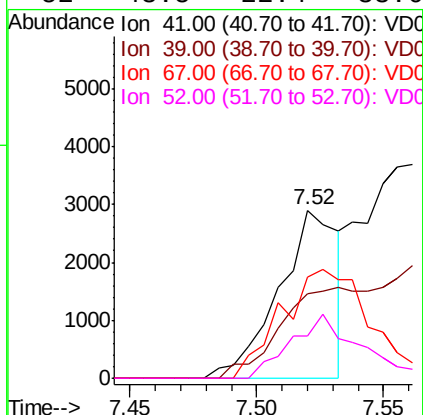
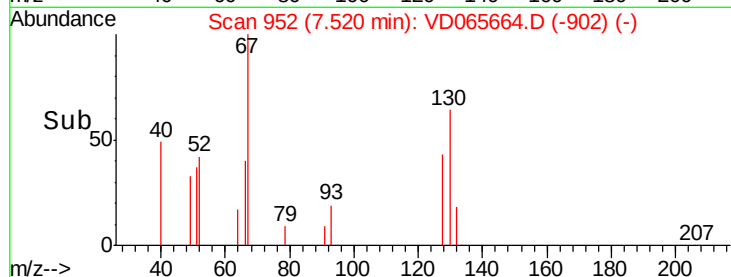
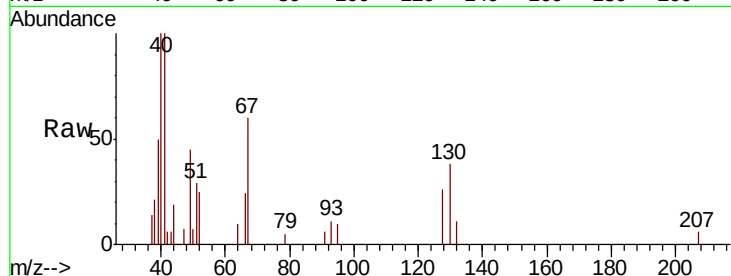




#41
Methacrylonitrile
Concen: 7.525 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

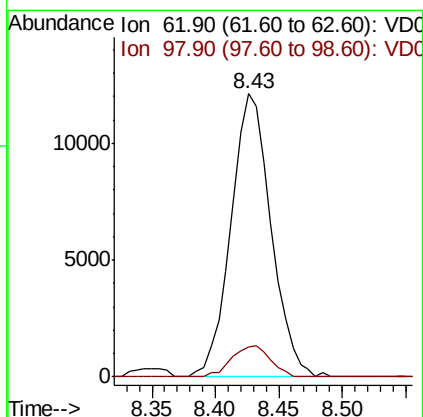
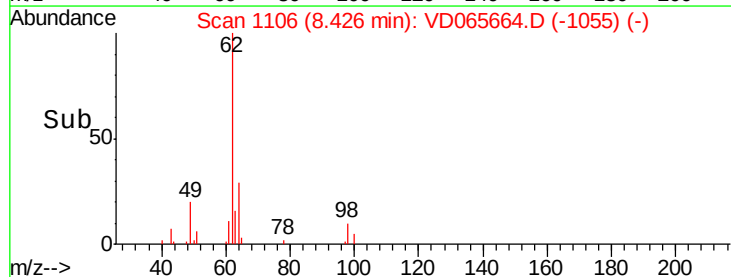
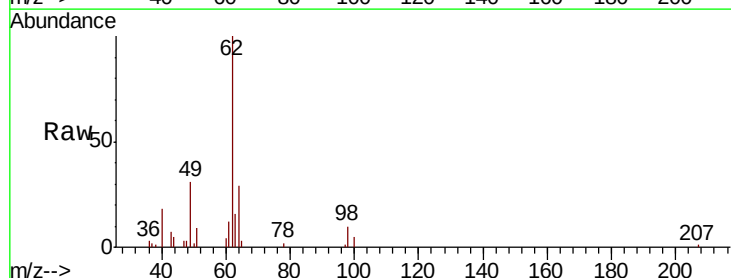
Instrument :
MSVOA_D
ClientSampleId :

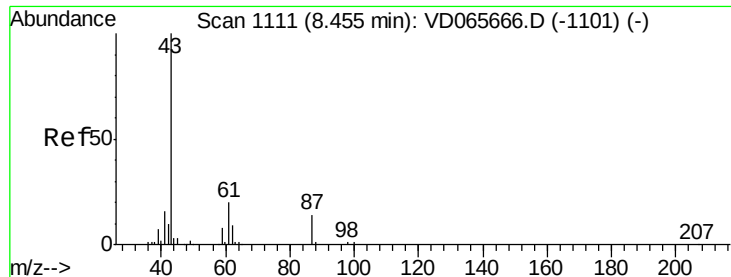
Tot Ion: 41 Resp: 4723
Ion Ratio Lower Upper
41 100
39 78.9 43.8 65.6#
67 96.4 54.4 81.6#
52 43.5 22.4 33.6#



#42
1,2-Dichloroethane
Concen: 11.215 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion: 62 Resp: 26519
Ion Ratio Lower Upper
62 100
98 10.5 0.0 20.2





#43

Isopropyl Acetate

Concen: 10.453 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

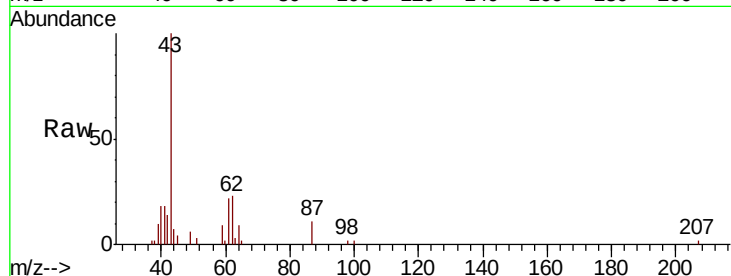
Tot Ion: 43 Resp: 22504

Ion Ratio Lower Upper

43 100

61 31.9 24.7 37.1

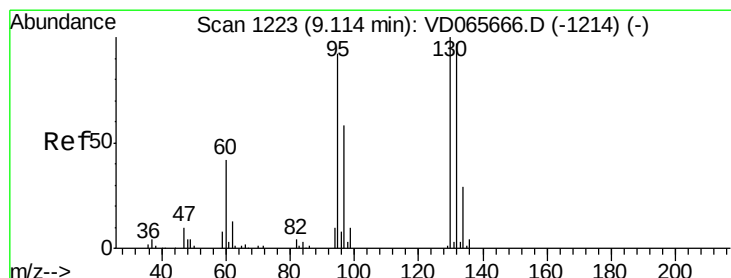
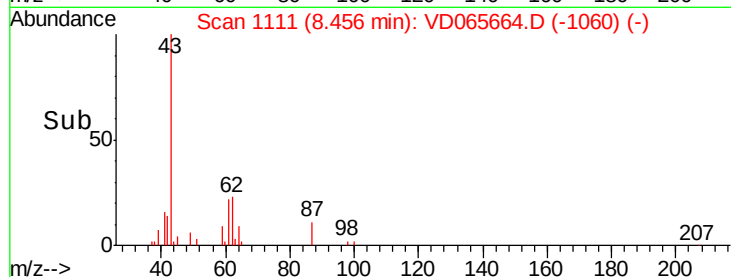
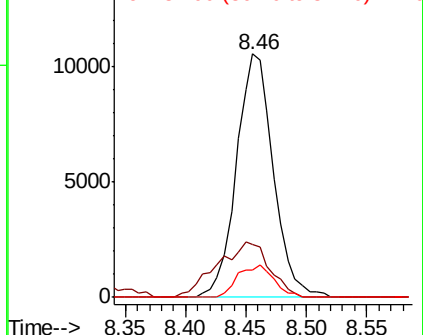
87 13.0 10.6 16.0



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: 10.609 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065664.D

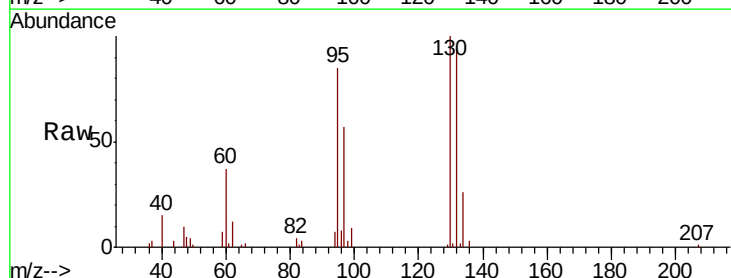
Acq: 22 Apr 2020 14:10

Tgt Ion:130 Resp: 25749

Ion Ratio Lower Upper

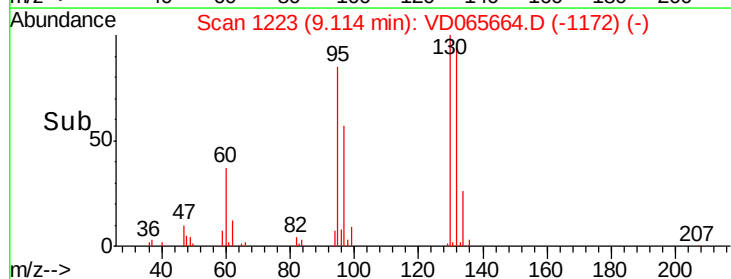
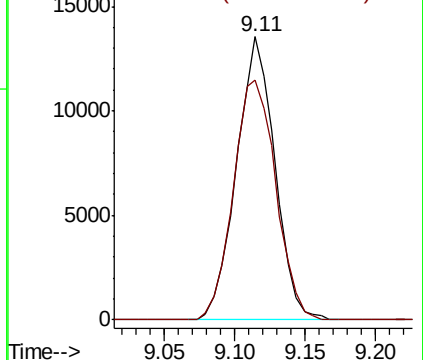
130 100

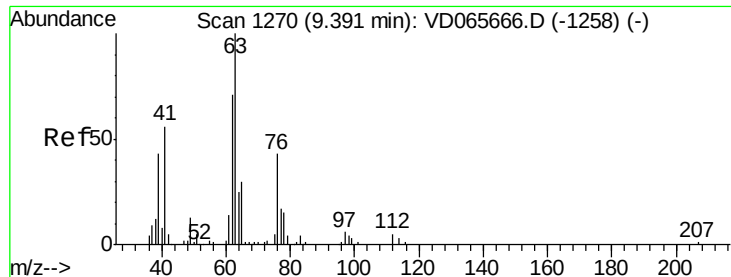
95 84.7 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 10.385 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

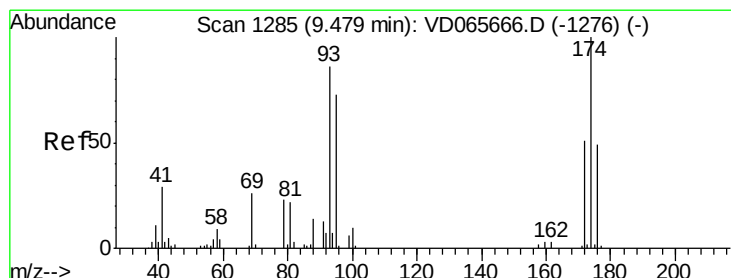
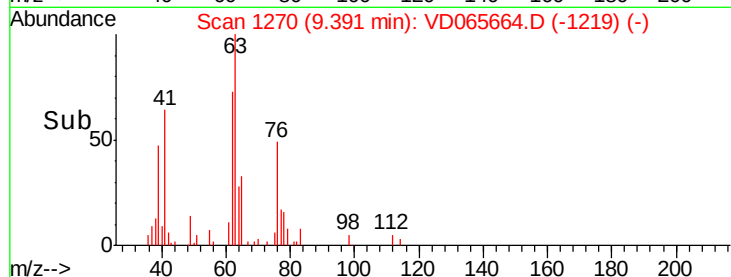
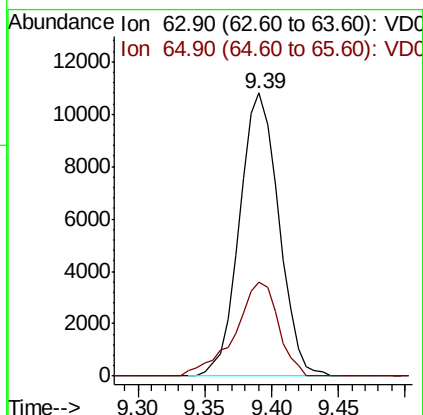
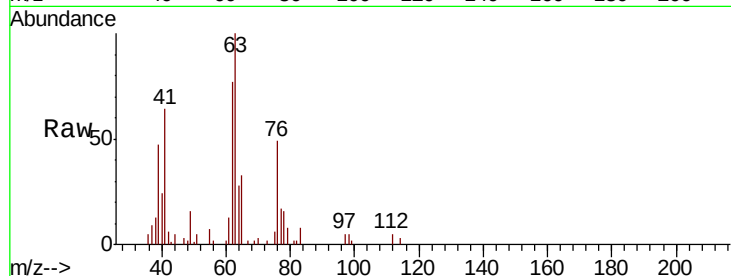
ClientSampleId :

Tot Ion: 63 Resp: 21993

Ion Ratio Lower Upper

63 100

65 33.1 24.2 36.4



#46

Dibromomethane

Concen: 10.960 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

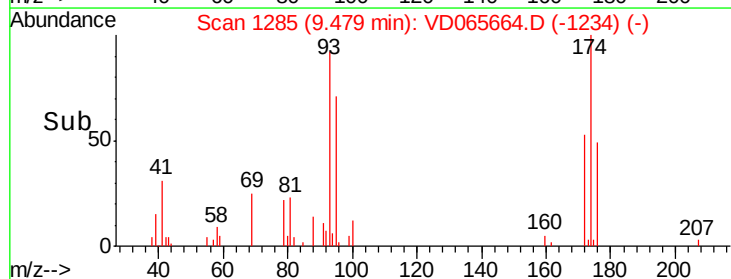
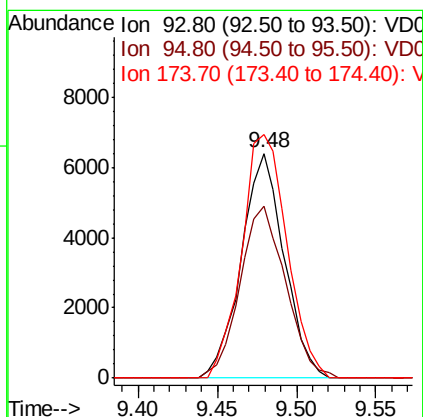
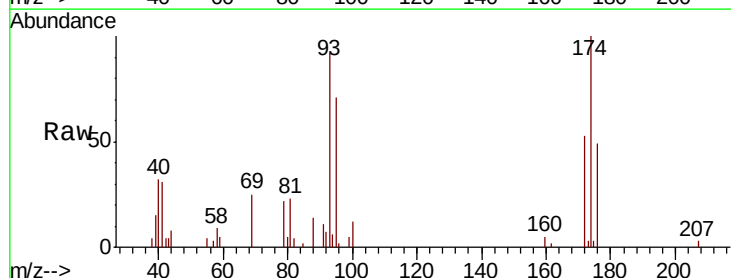
Tgt Ion: 93 Resp: 12008

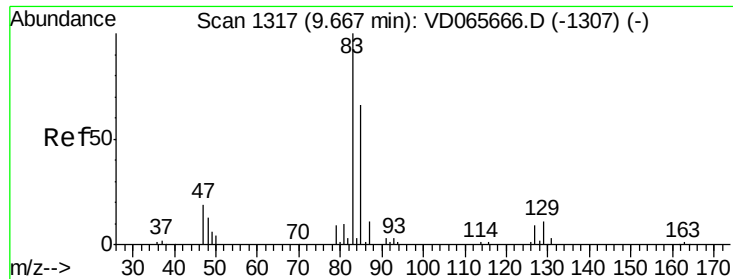
Ion Ratio Lower Upper

93 100

95 81.7 66.4 99.6

174 114.9 93.0 139.6





#47

Bromodichloromethane

Concen: 11.094 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

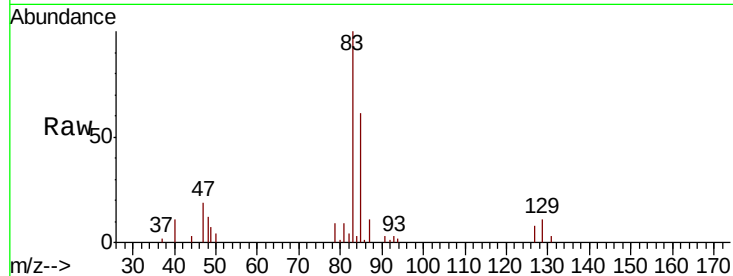
Tot Ion: 83 Resp: 32278

Ion Ratio Lower Upper

83 100

85 61.3 53.2 79.8

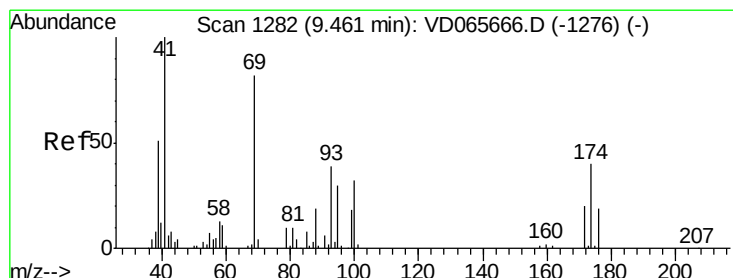
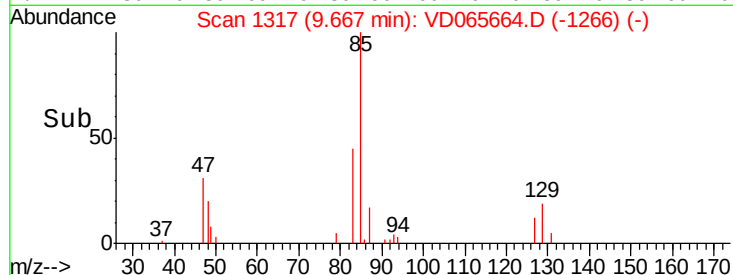
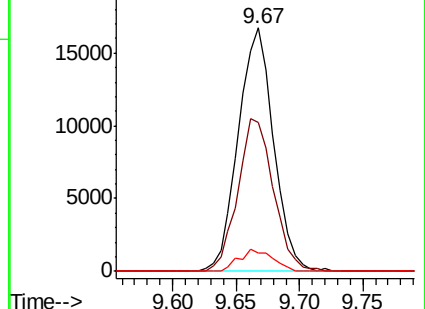
127 7.7 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 9.579 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

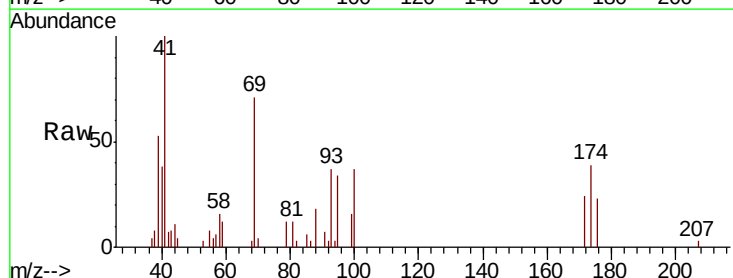
Tgt Ion: 41 Resp: 9856

Ion Ratio Lower Upper

41 100

69 88.3 69.5 104.3

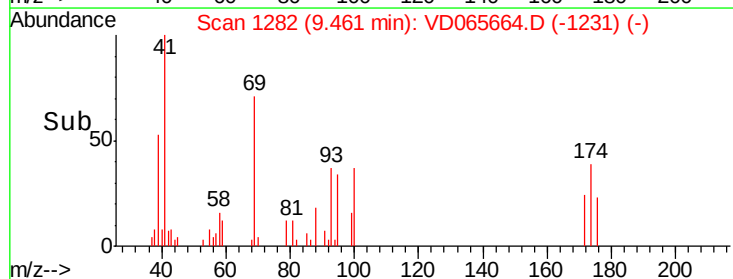
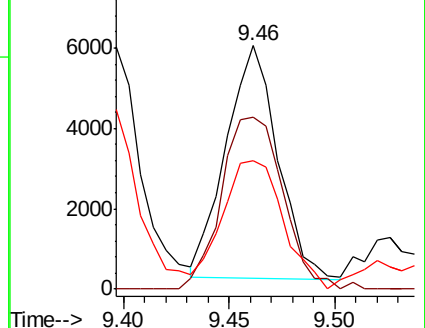
39 64.9 41.6 62.4#

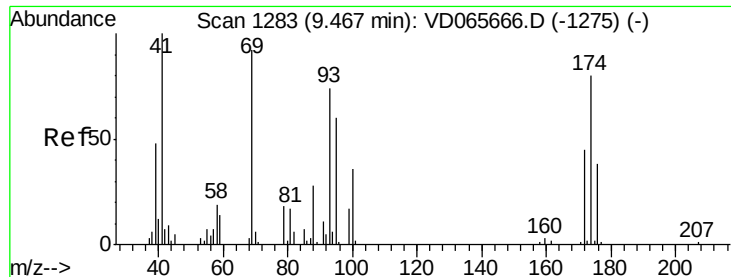


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 215.115 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :

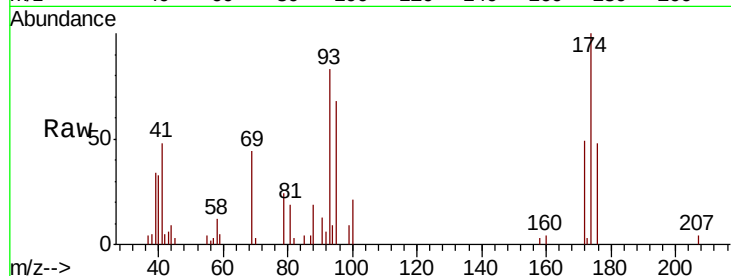
Tot Ion: 88 Resp: 2600

Ion Ratio Lower Upper

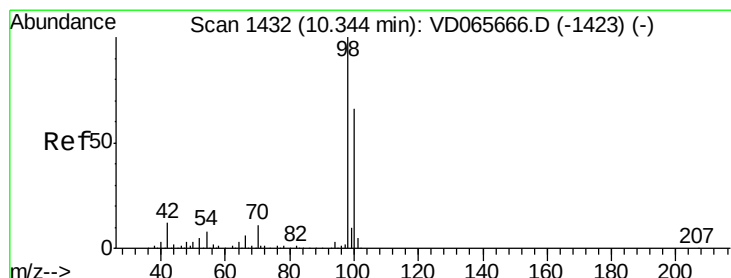
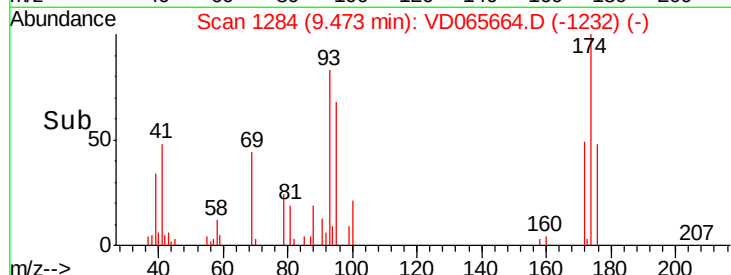
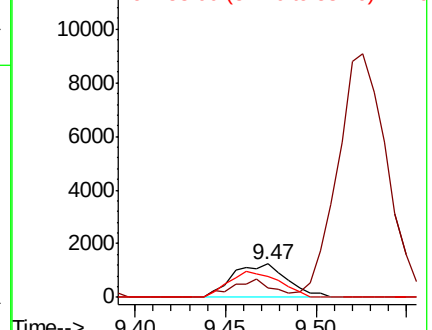
88 100

43 40.2 31.3 46.9

58 71.2 58.0 87.0



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: 10.768 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065664.D

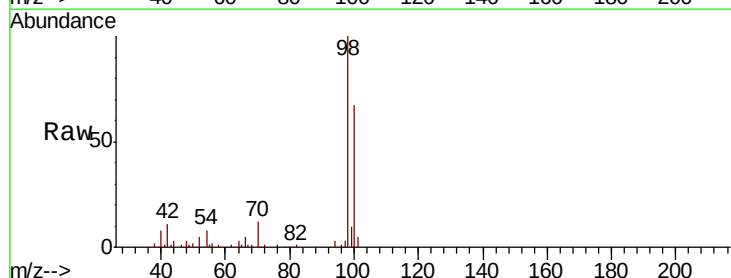
Acq: 22 Apr 2020 14:10

Tgt Ion: 98 Resp: 79415

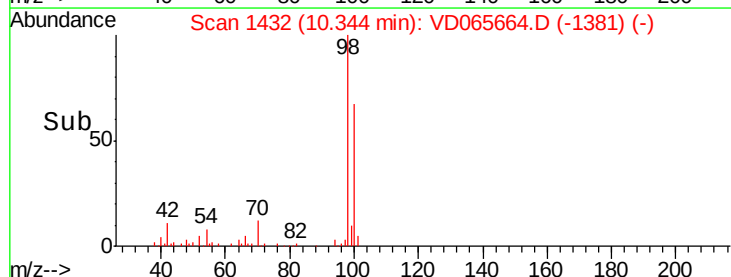
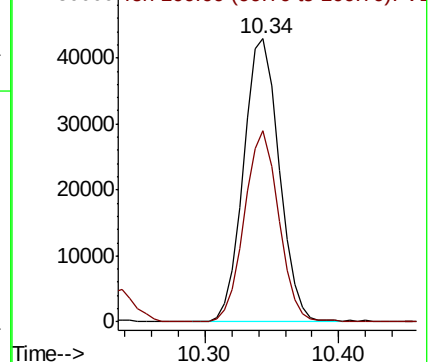
Ion Ratio Lower Upper

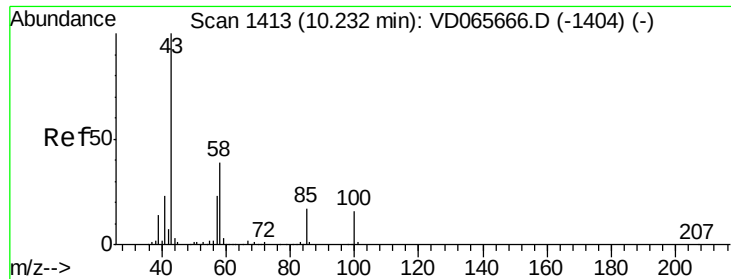
98 100

100 65.0 52.8 79.2



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

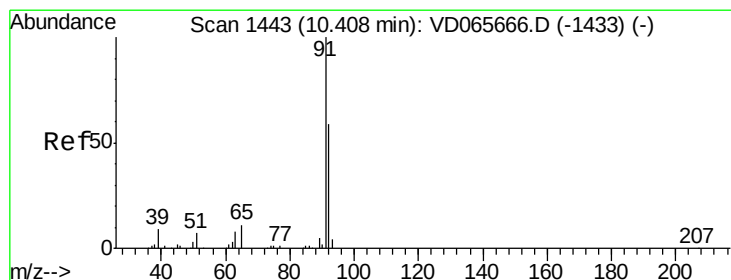
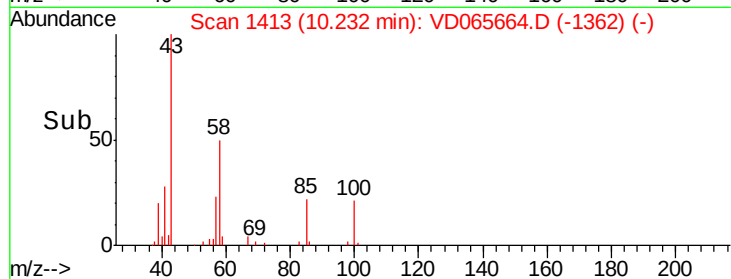
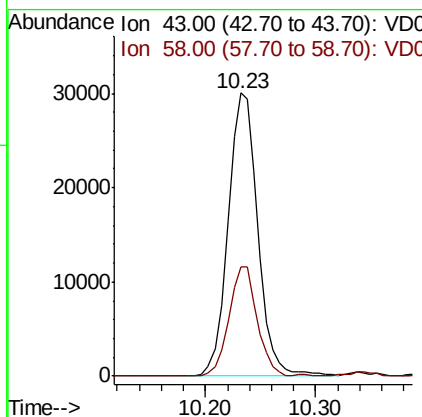
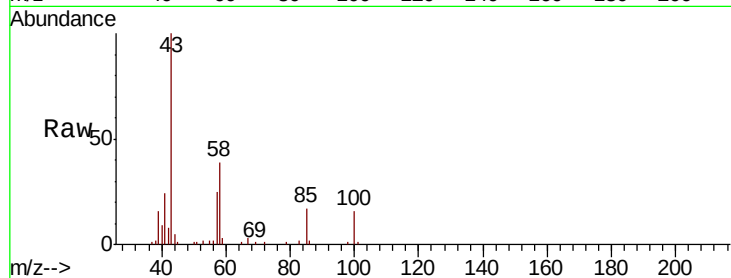




#51
 4-Methyl-2-Pentanone
 Concen: 51.840 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

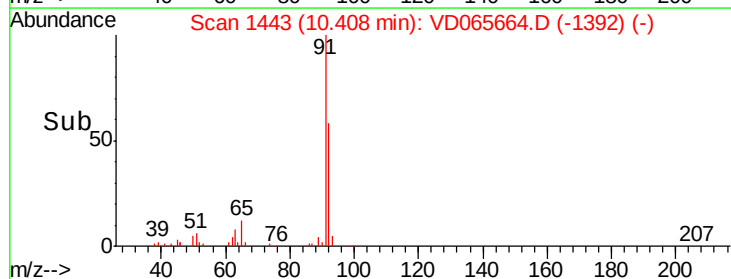
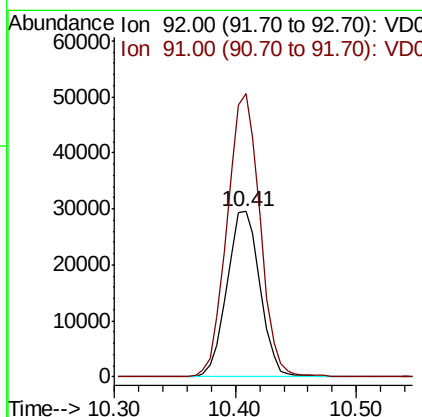
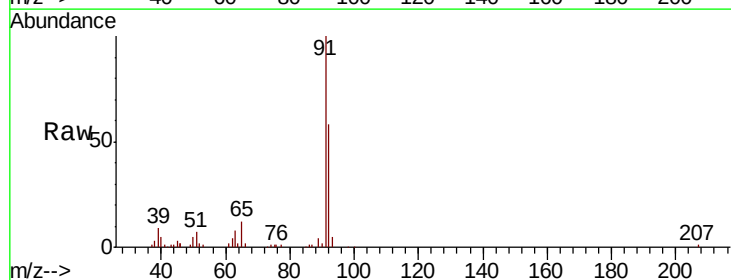
Instrument :
 MSVOA_D
 ClientSampleId :

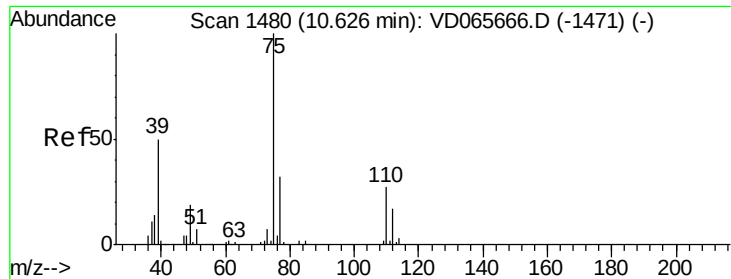
Tot Ion: 43 Resp: 56534
 Ion Ratio Lower Upper
 43 100
 58 36.6 31.1 46.7



#52
 Toluene
 Concen: 10.523 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion: 92 Resp: 56261
 Ion Ratio Lower Upper
 92 100
 91 169.3 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 10.336 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

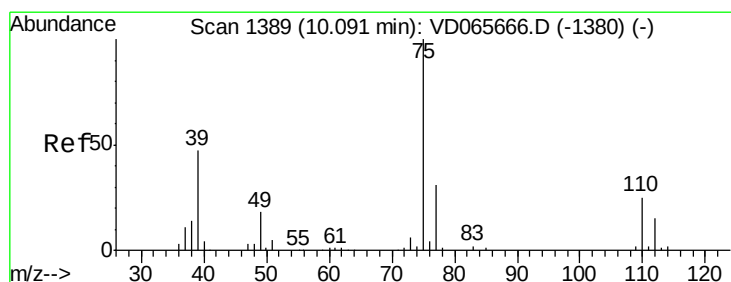
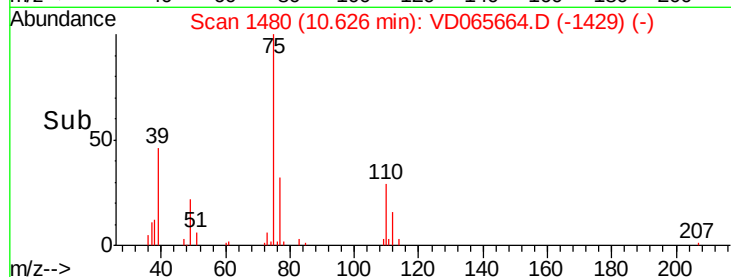
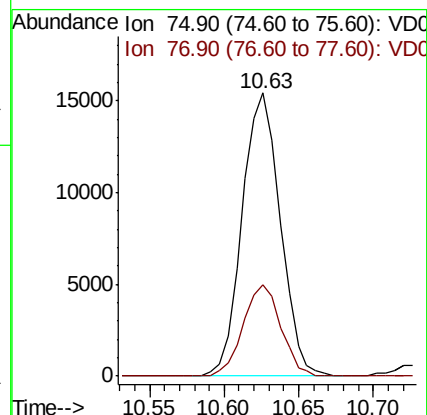
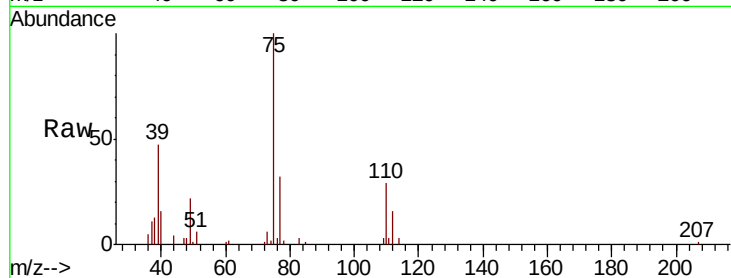
ClientSampleId :

Tot Ion: 75 Resp: 27293

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 10.033 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

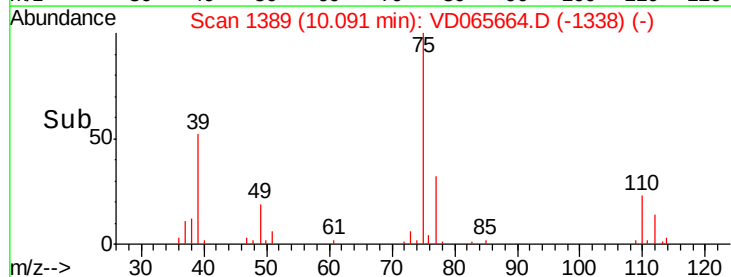
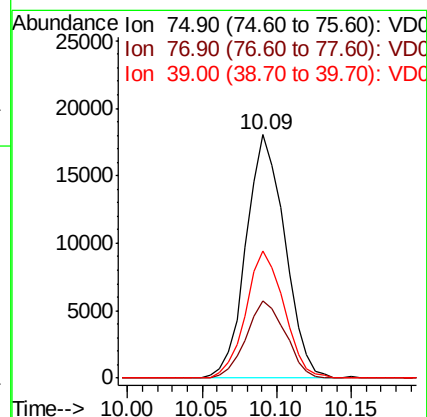
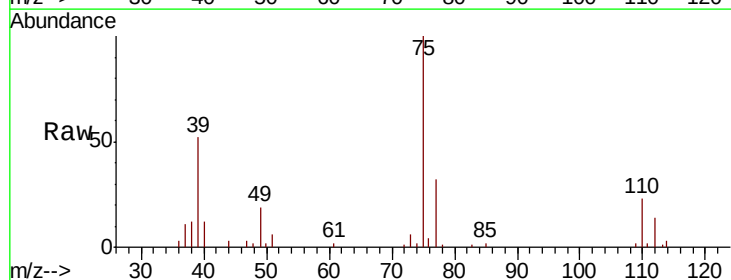
Tgt Ion: 75 Resp: 32403

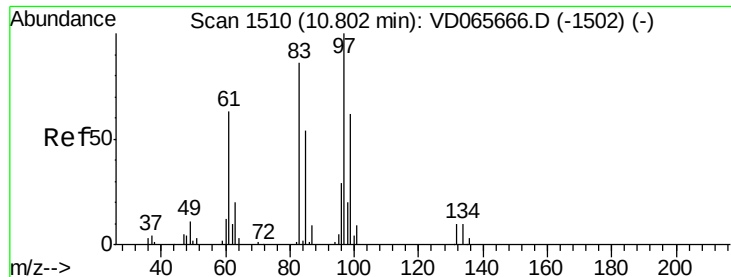
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 52.3 37.9 56.9

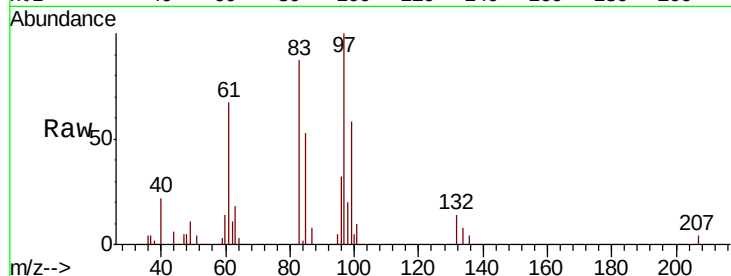




#55
 1,1,2-Trichloroethane
 Concen: 10.932 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.5	102.7
85	52.8	43.0	64.6
99	58.1	49.8	74.8



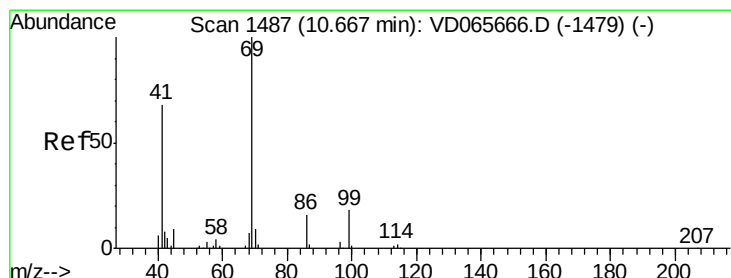
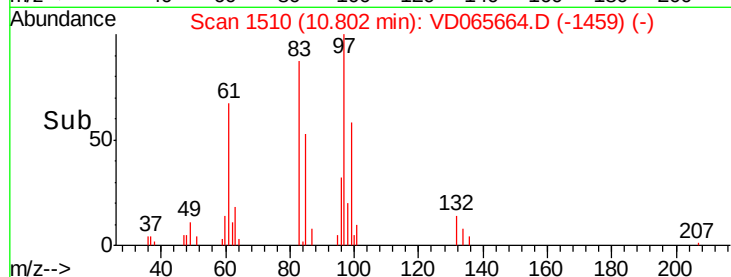
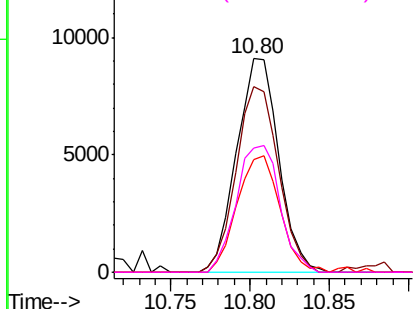
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

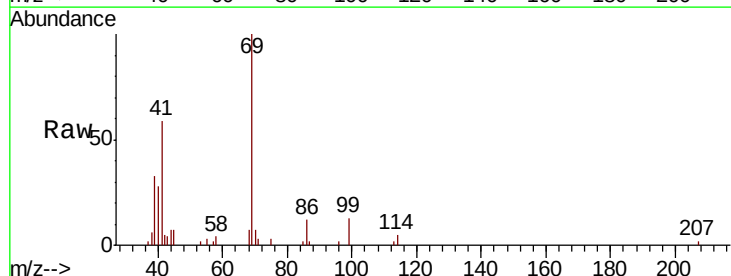
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 9.863 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.1	58.3	87.5
39	34.2	29.5	44.3

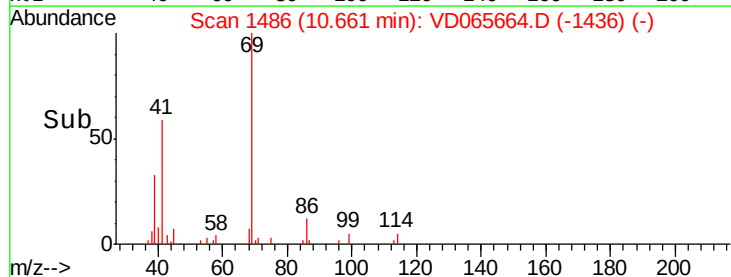
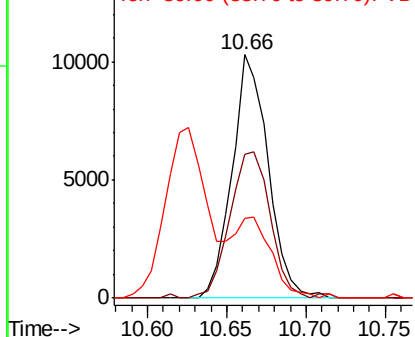


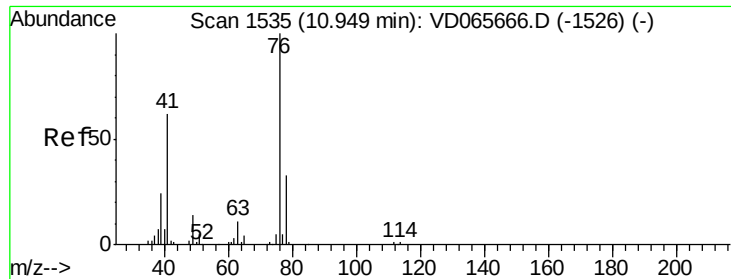
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 10.789 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

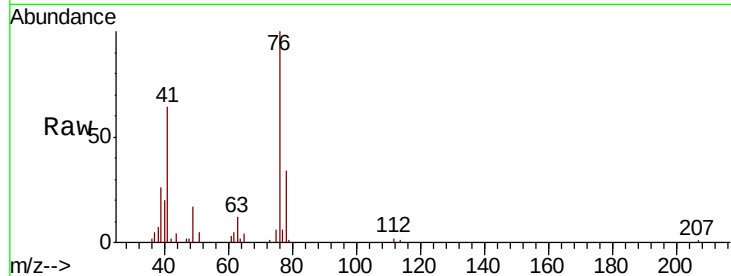
ClientSampleId :

Tot Ion: 76 Resp: 28170

Ion Ratio Lower Upper

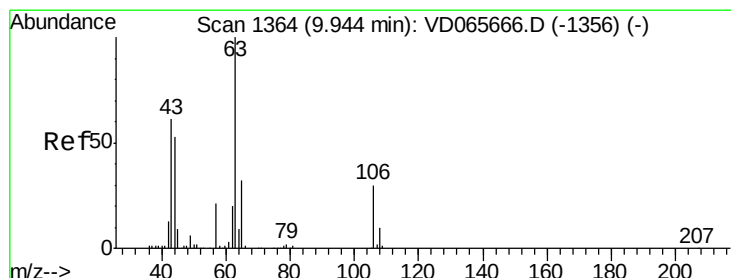
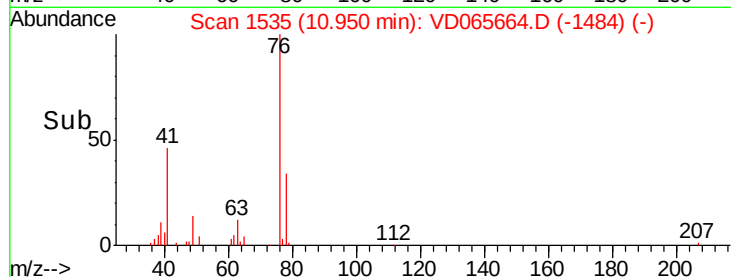
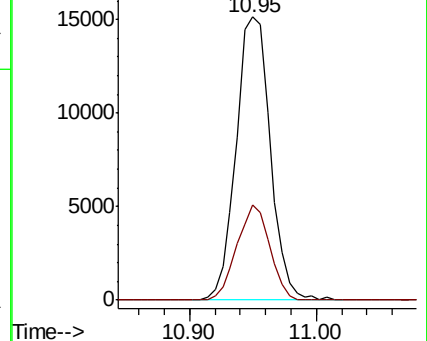
76 100

78 32.2 25.9 38.9



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: 45.909 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD065664.D

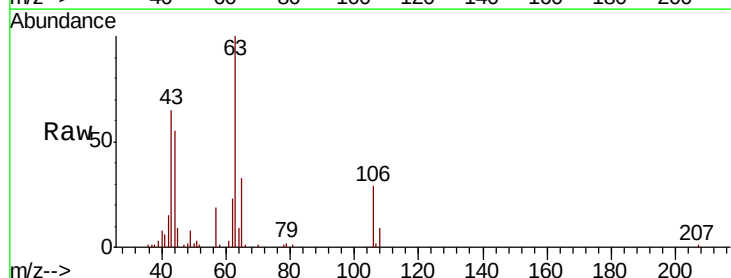
Acq: 22 Apr 2020 14:10

Tgt Ion: 63 Resp: 39931

Ion Ratio Lower Upper

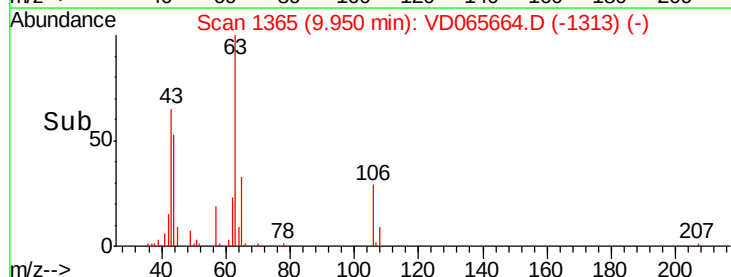
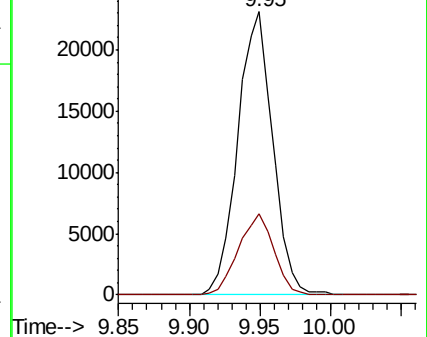
63 100

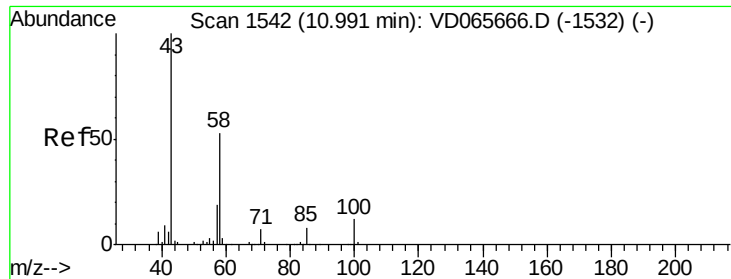
106 28.9 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

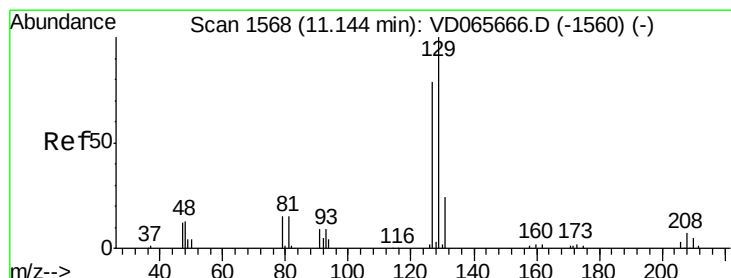
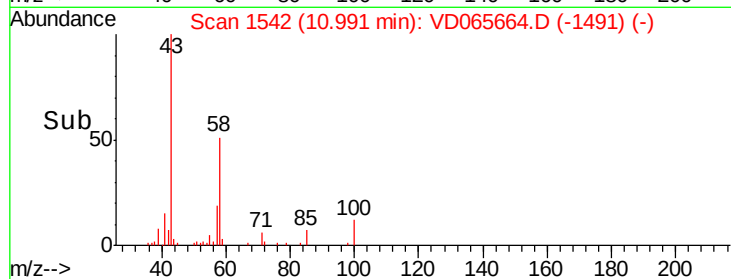
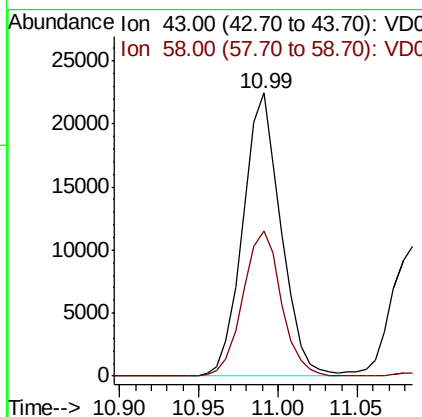
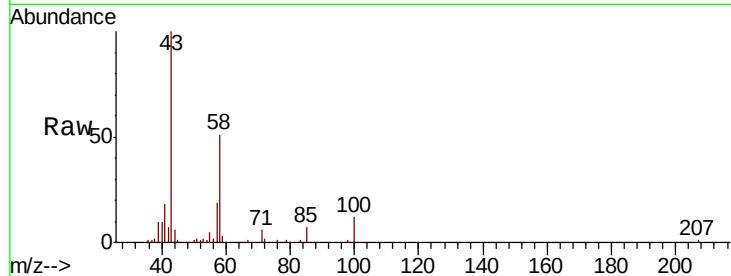




#59
2-Hexanone
Concen: 50.473 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

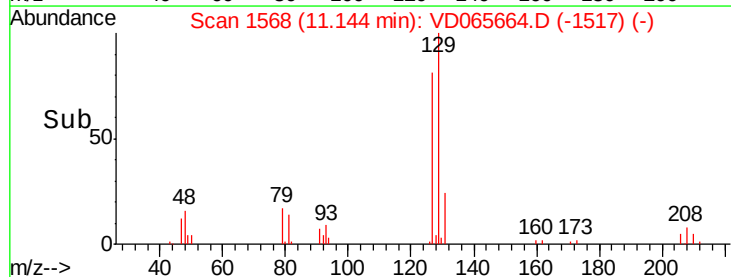
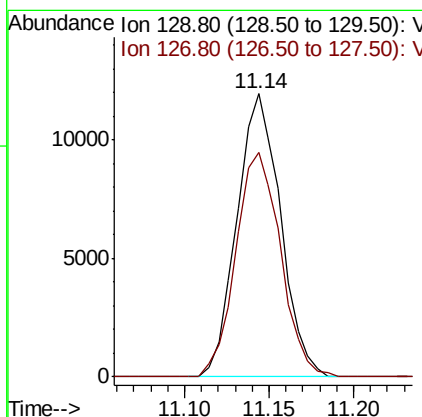
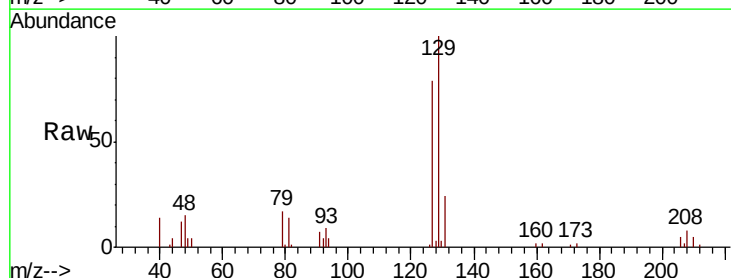
Instrument :
MSVOA_D
ClientSampleId :

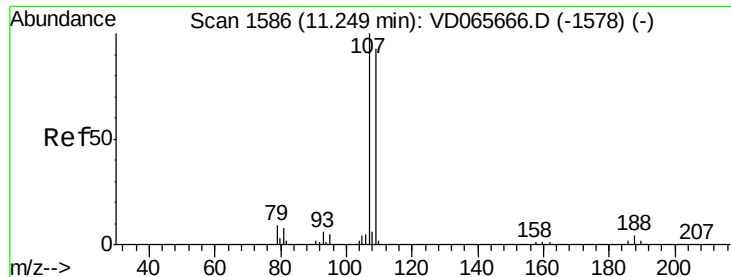
Tot Ion: 43 Resp: 37346
Ion Ratio Lower Upper
43 100
58 51.6 26.3 78.9



#60
Dibromochloromethane
Concen: 10.508 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion: 129 Resp: 21403
Ion Ratio Lower Upper
129 100
127 81.2 38.5 115.5

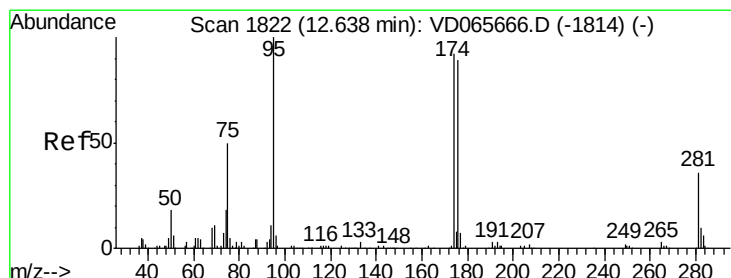
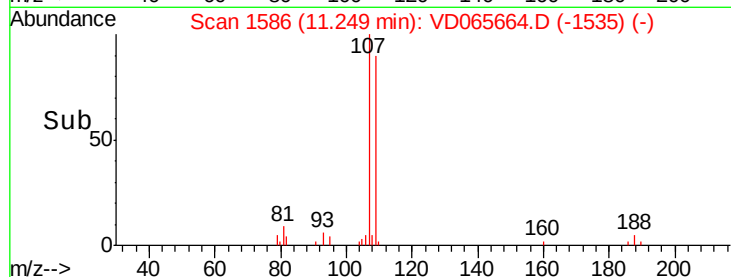
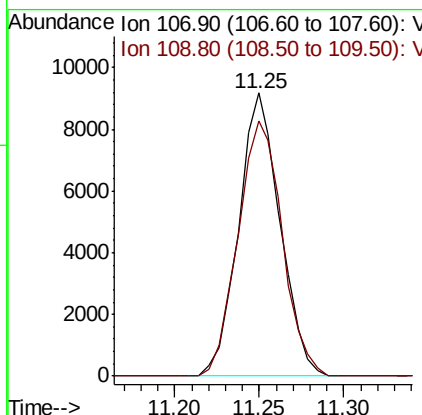
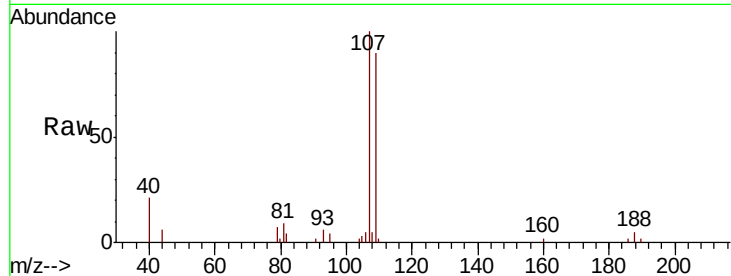




#61
 1,2-Dibromoethane
 Concen: 10.541 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

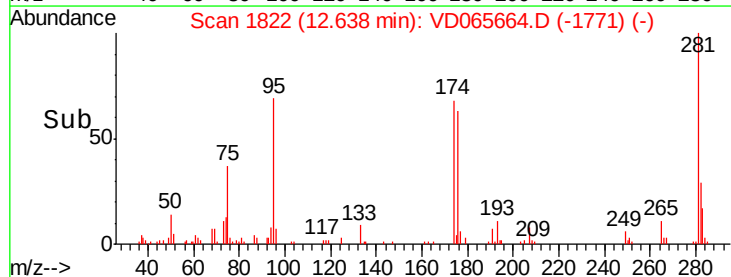
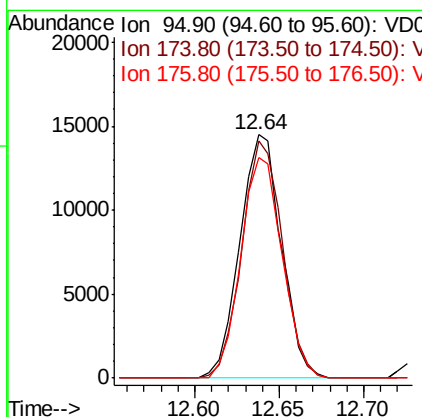
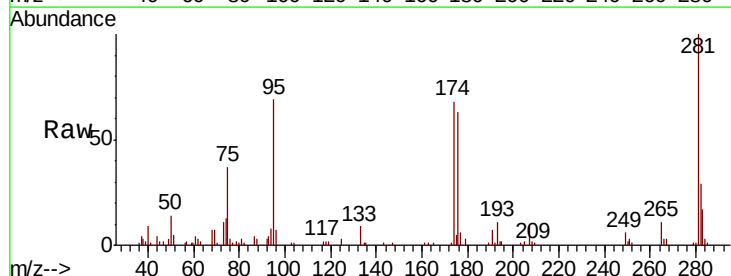
Instrument :
 MSVOA_D
 ClientSampleId :

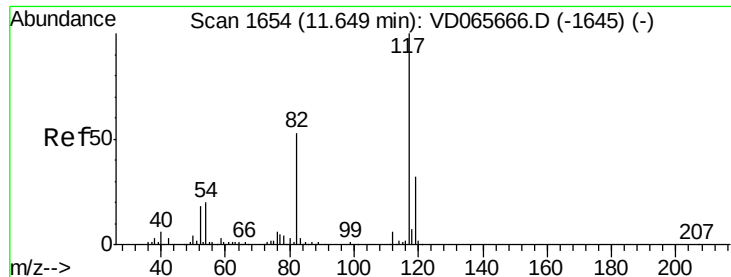
Tot Ion:107 Resp: 15635
 Ion Ratio Lower Upper
 107 100
 109 96.4 76.4 114.6



#62
 4-Bromofluorobenzene
 Concen: 10.209 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion: 95 Resp: 24801
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 186.4
 176 90.1 0.0 178.4

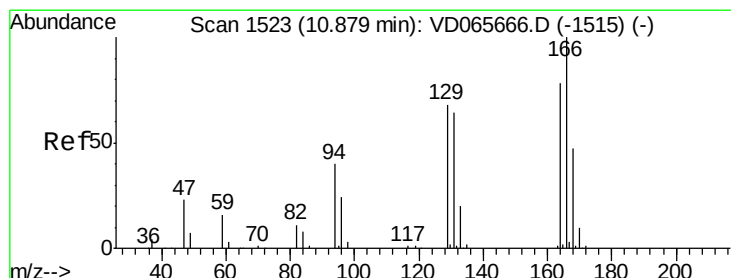
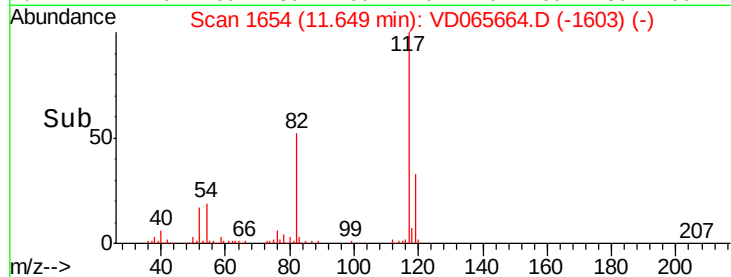
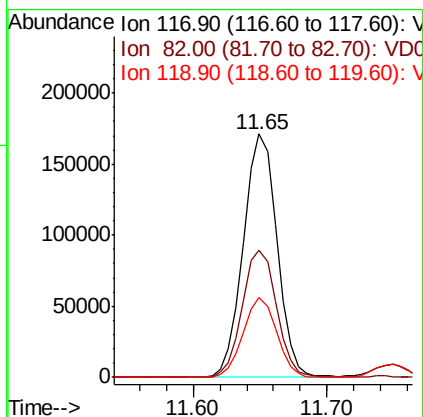
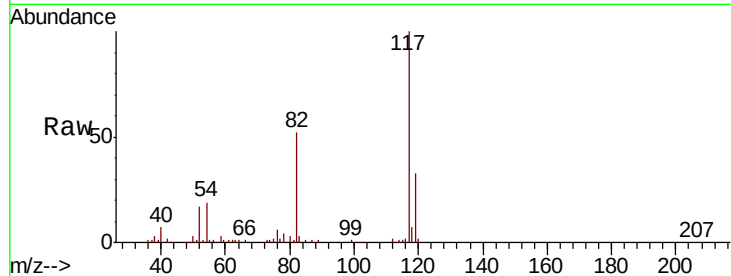




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

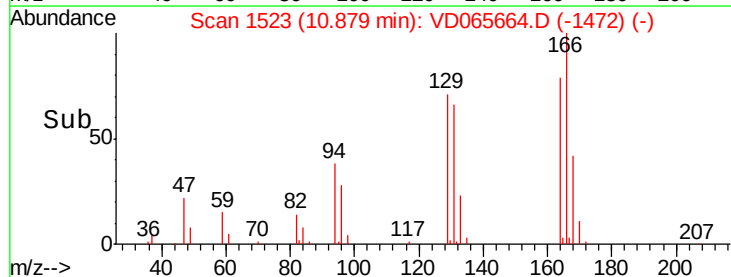
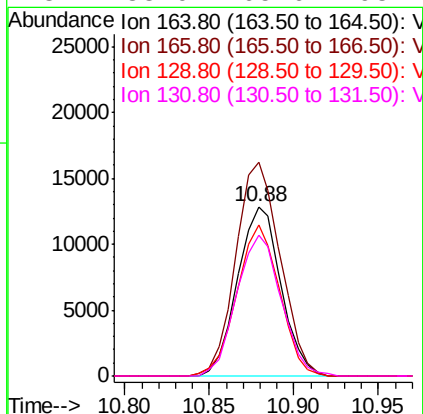
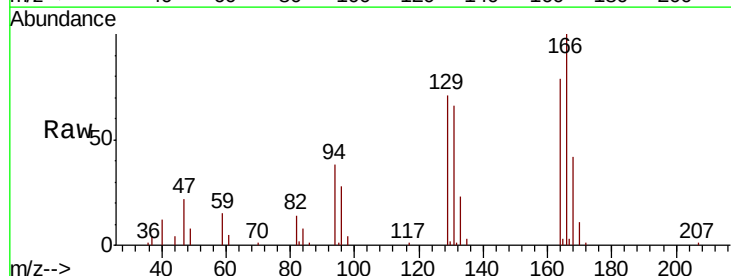
Instrument :
MSVOA_D
ClientSampleId :

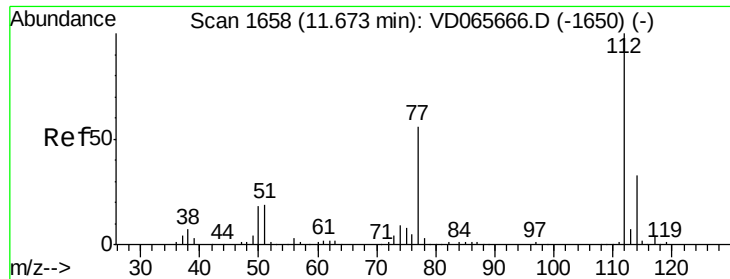
Tot Ion:117 Resp: 298569
Ion Ratio Lower Upper
117 100
82 52.3 42.7 64.1
119 32.9 25.9 38.9



#64
Tetrachloroethene
Concen: 11.084 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion:164 Resp: 22899
Ion Ratio Lower Upper
164 100
166 126.4 102.0 153.0
129 89.5 69.3 103.9
131 83.0 65.6 98.4

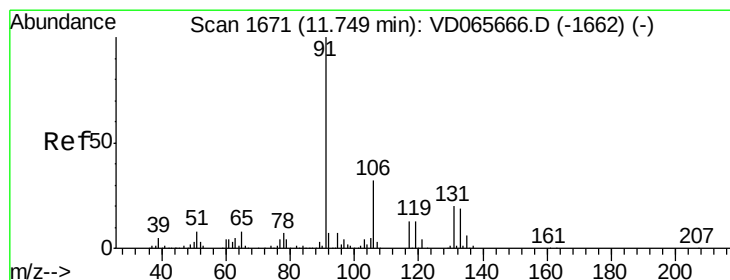
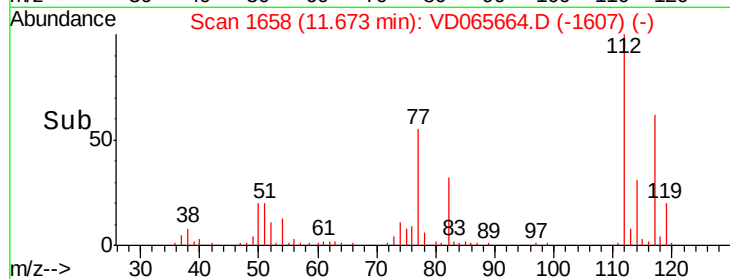
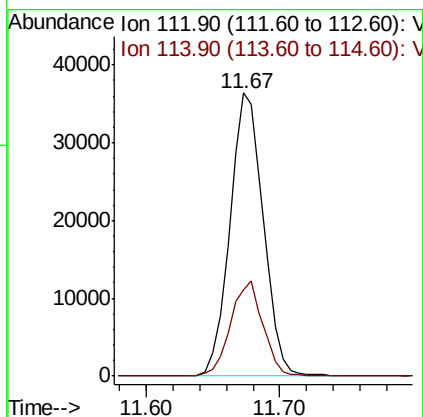
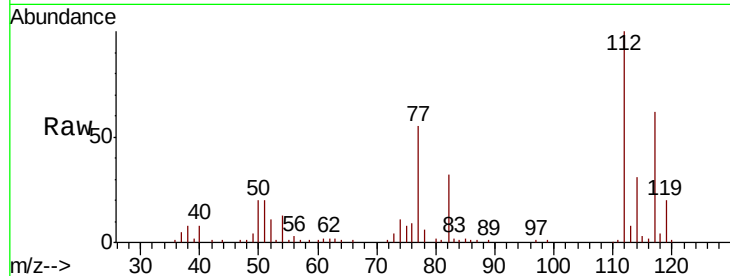




#65
Chlorobenzene
Concen: 11.016 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

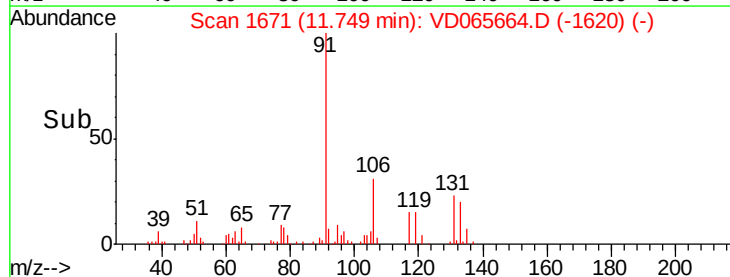
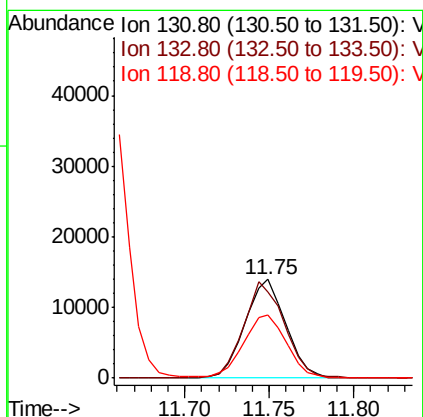
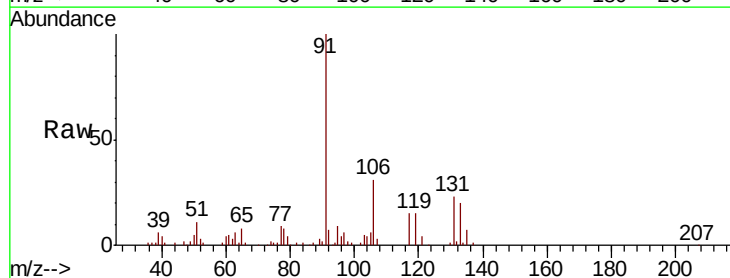
Instrument :
MSVOA_D
ClientSampleId :

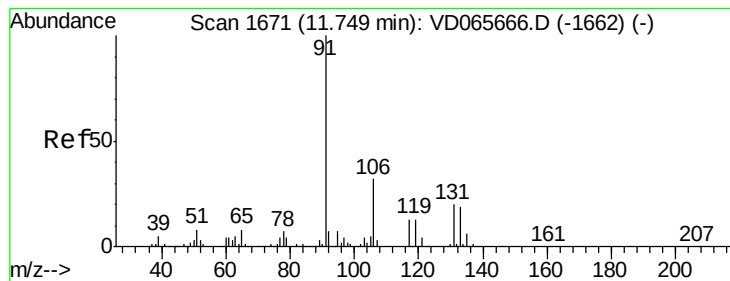
Tot Ion:112 Resp: 63158
Ion Ratio Lower Upper
112 100
114 30.6 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 10.671 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion:131 Resp: 23380
Ion Ratio Lower Upper
131 100
133 98.6 48.6 145.8
119 67.9 32.3 96.9





#67

Ethyl Benzene

Concen: 10.144 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

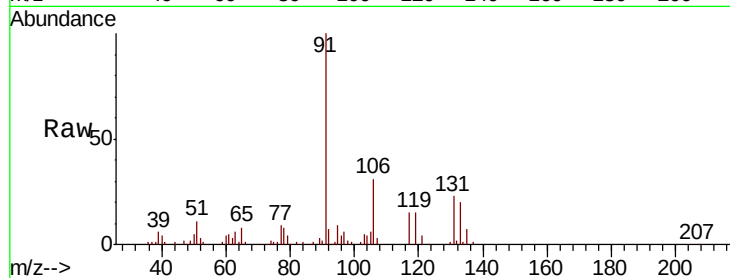
ClientSampleId :

Tot Ion: 91 Resp: 99375

Ion Ratio Lower Upper

91 100

106 31.4 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

60000

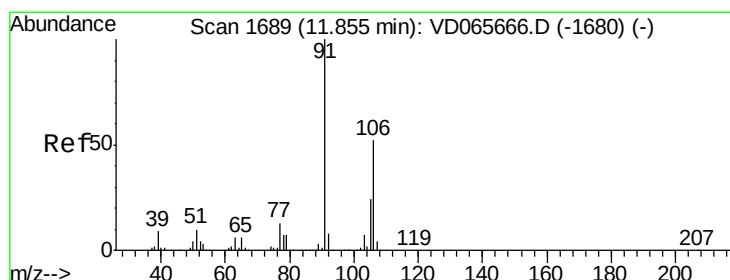
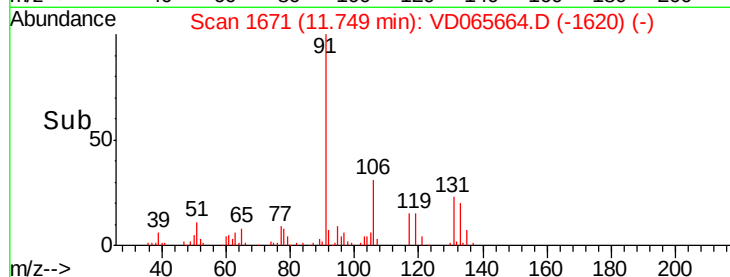
40000

20000

0

11.75

Time-->



#68

m/p-Xylenes

Concen: 20.699 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065664.D

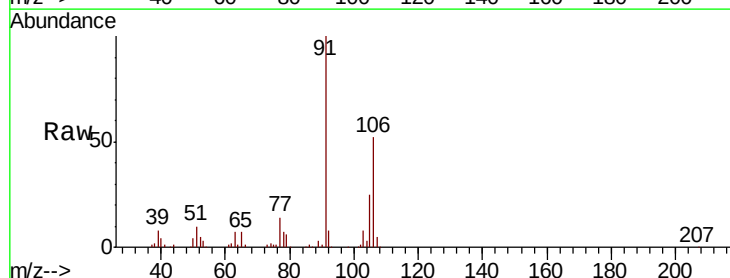
Acq: 22 Apr 2020 14:10

Tgt Ion:106 Resp: 78440

Ion Ratio Lower Upper

106 100

91 196.0 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

80000

60000

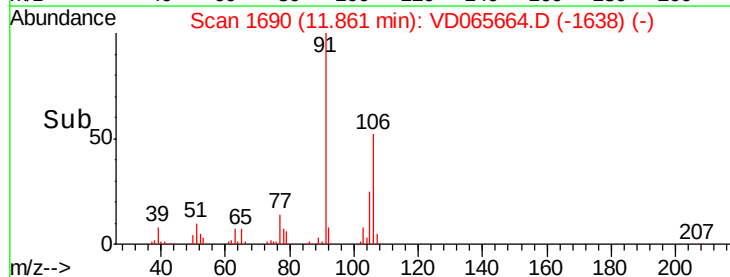
40000

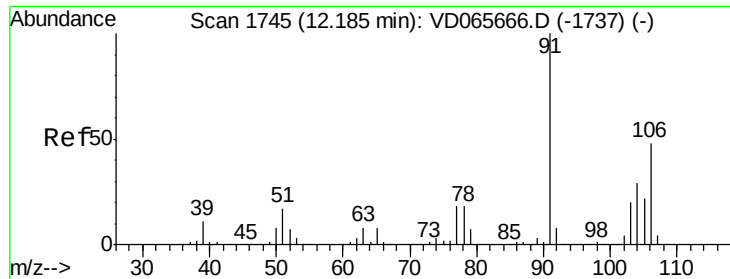
20000

0

11.86

Time-->

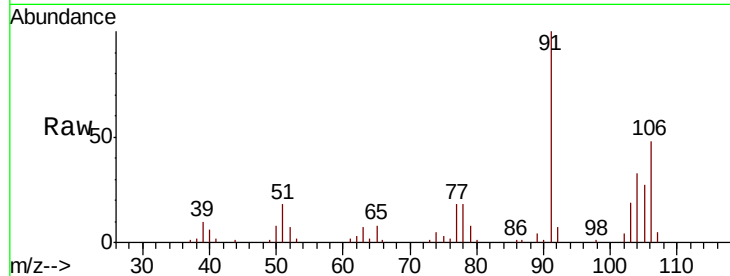




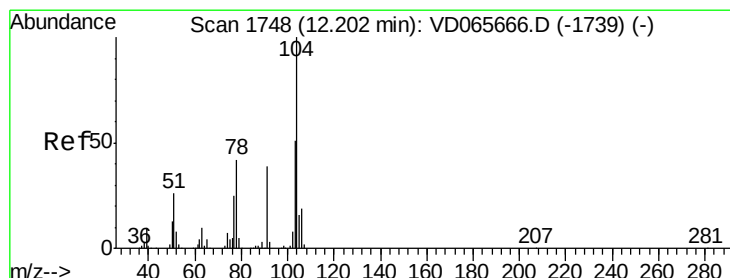
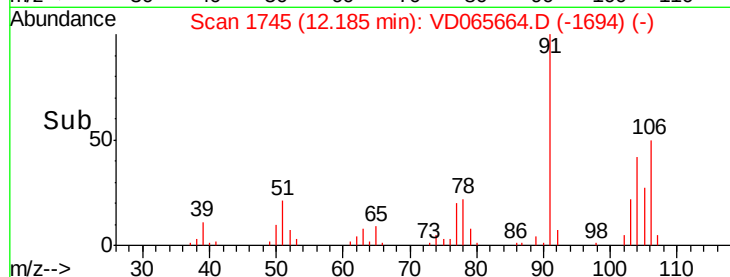
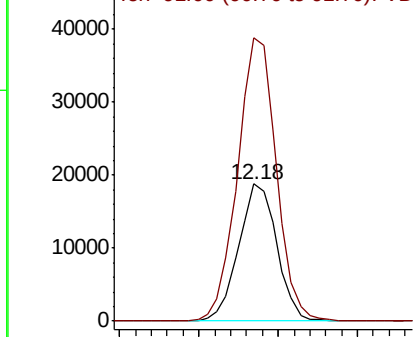
#69
o-Xylene
Concen: 9.506 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 31383
Ion Ratio Lower Upper
106 100
91 209.5 103.6 310.9

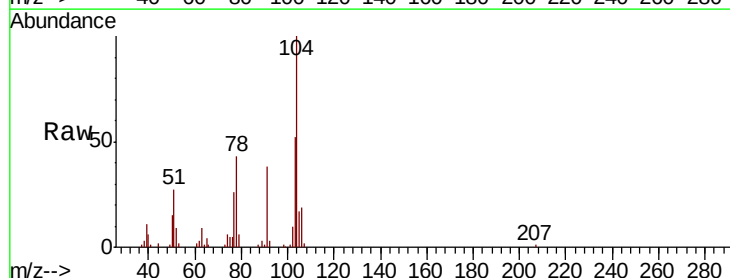


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

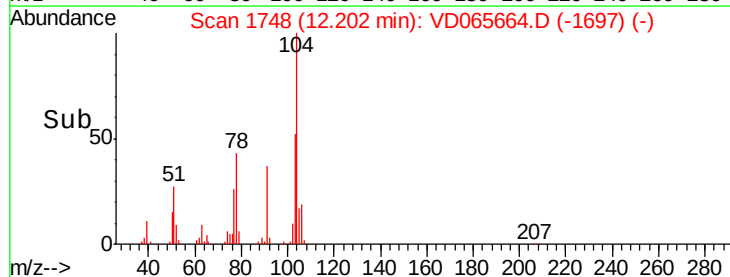
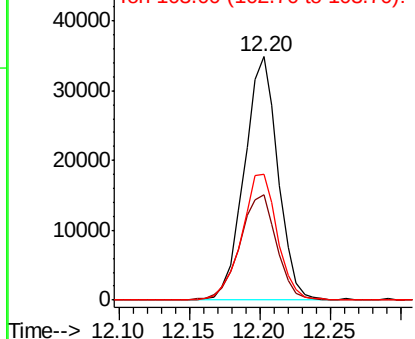


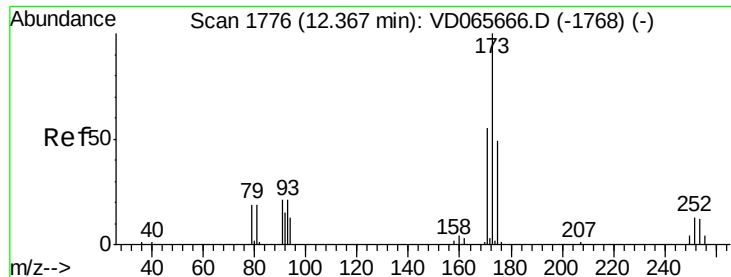
#70
Styrene
Concen: 9.927 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion:104 Resp: 58069
Ion Ratio Lower Upper
104 100
78 47.3 37.4 56.0
103 54.9 43.6 65.4



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

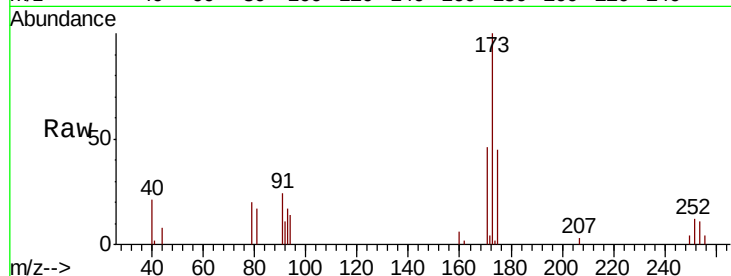




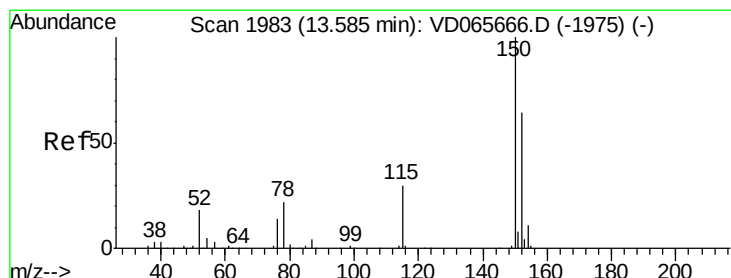
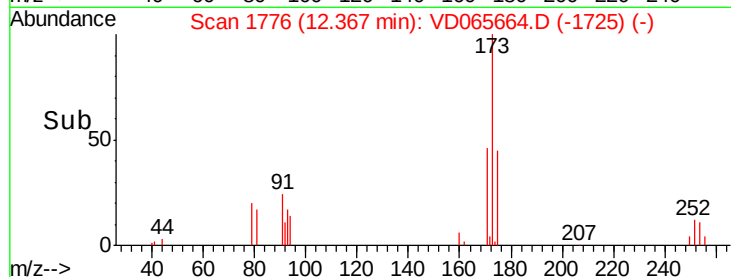
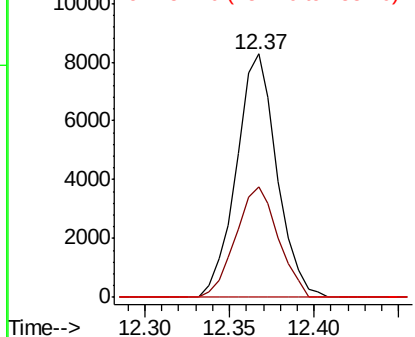
#71
Bromoform
Concen: 11.253 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 13809
Ion Ratio Lower Upper
173 100
175 47.5 23.9 71.7
254 0.0 0.0 0.0

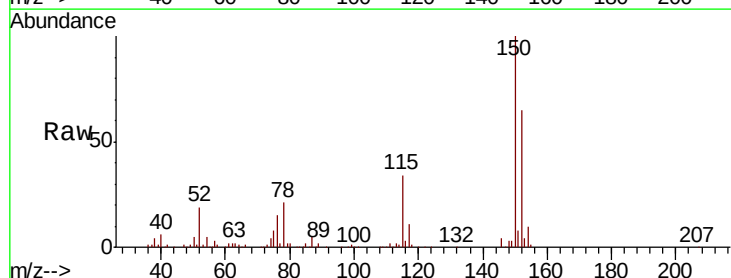


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

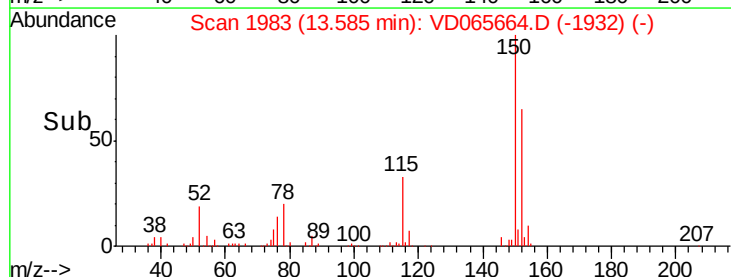
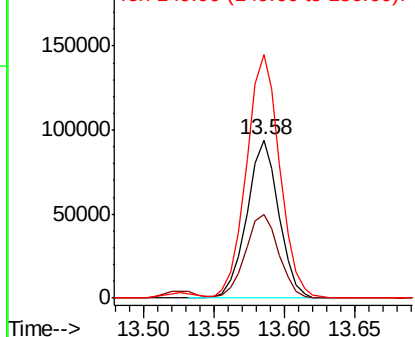


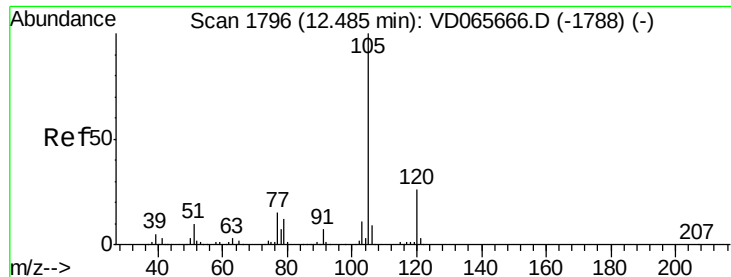
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion:152 Resp: 149585
Ion Ratio Lower Upper
152 100
115 55.1 27.4 82.0
150 160.6 0.0 339.0



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





#73

Isopropylbenzene

Concen: 10.376 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

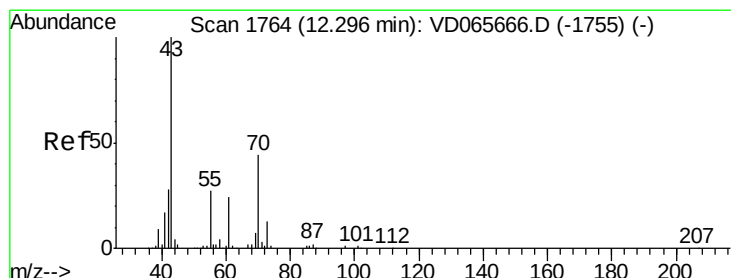
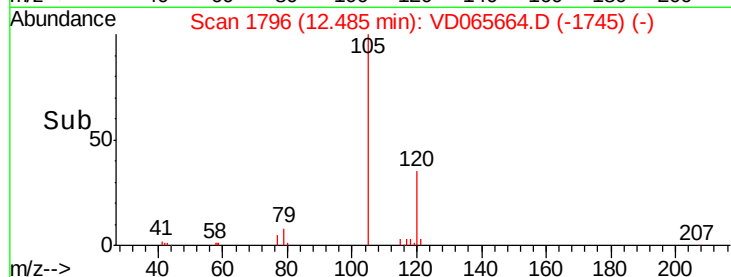
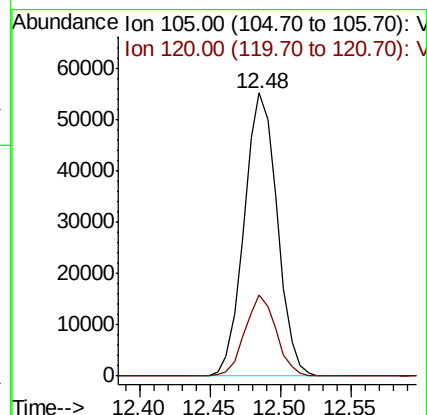
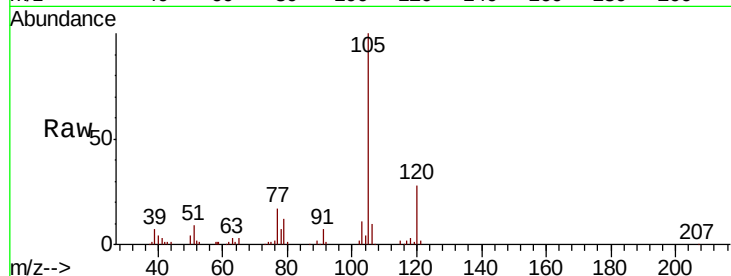
ClientSampleId :

Tot Ion:105 Resp: 90488

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 10.315 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tgt Ion: 43 Resp: 18952

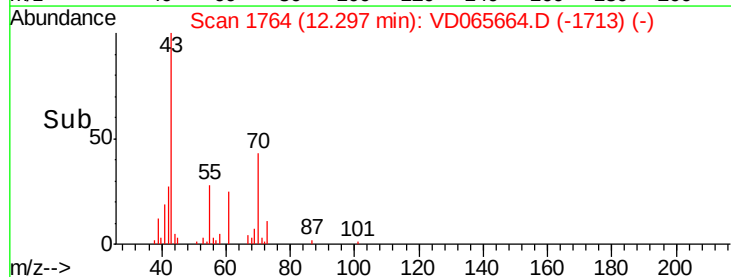
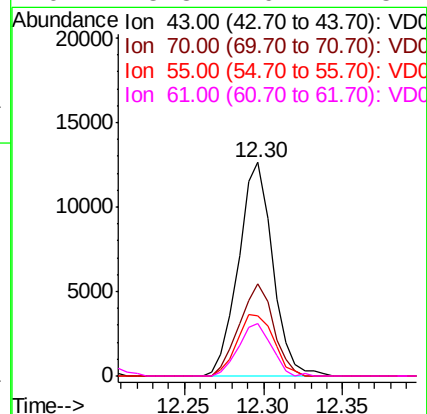
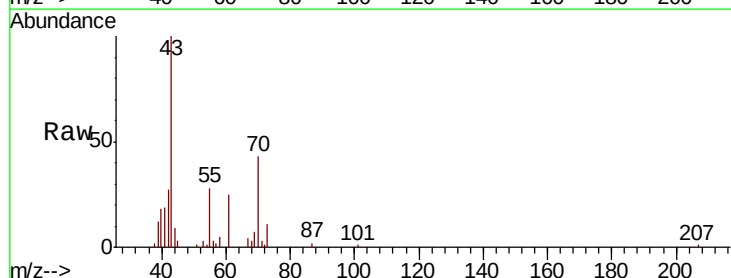
Ion Ratio Lower Upper

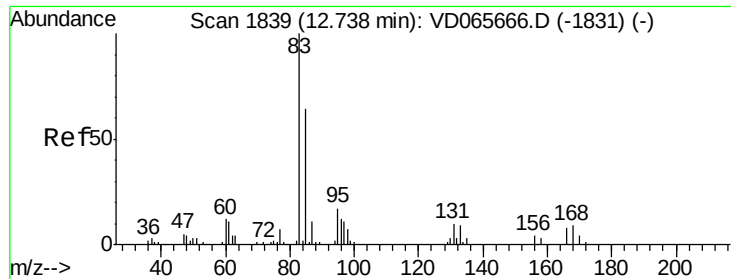
43 100

70 42.7 34.6 51.8

55 30.8 22.3 33.5

61 23.8 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 11.990 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

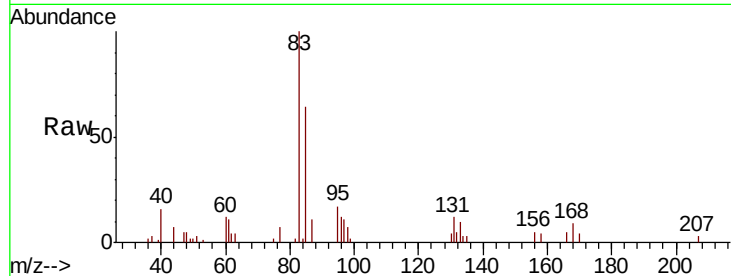
Tot Ion: 83 Resp: 18928

Ion Ratio Lower Upper

83 100

131 10.3 5.7 17.1

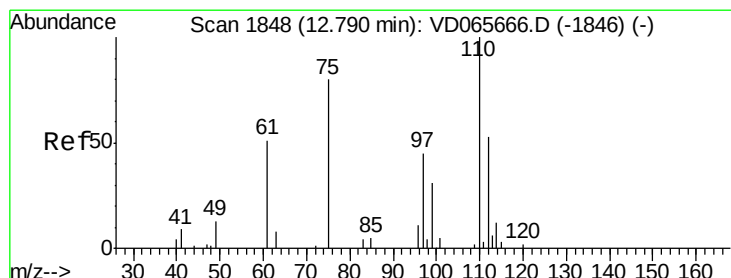
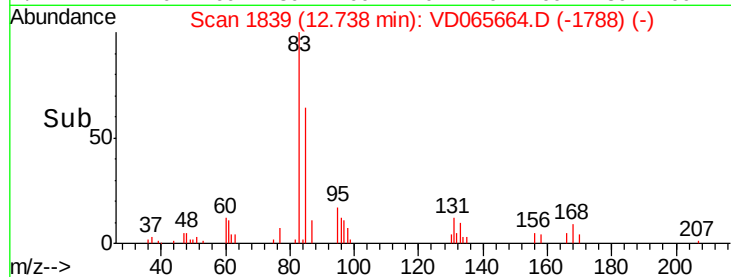
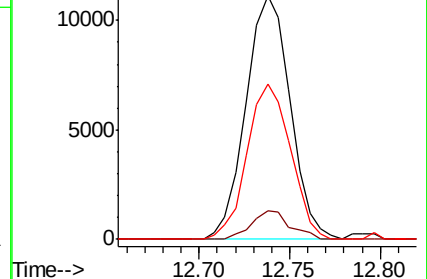
85 62.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 20.847 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065664.D

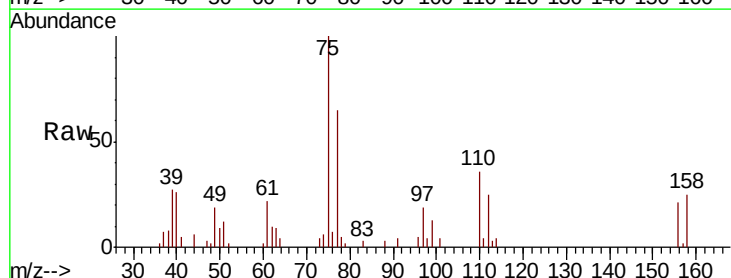
Acq: 22 Apr 2020 14:10

Tgt Ion: 75 Resp: 23521

Ion Ratio Lower Upper

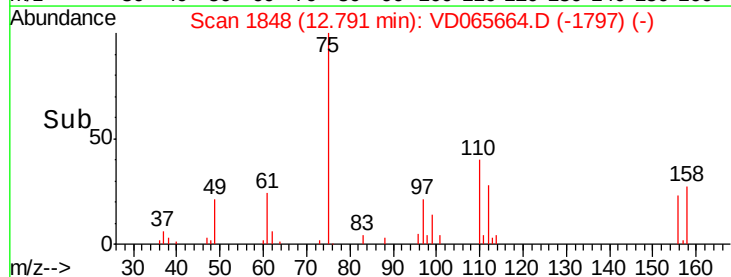
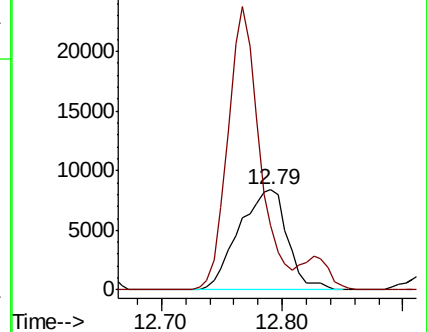
75 100

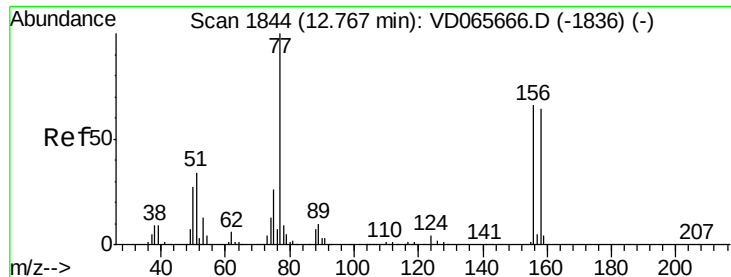
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 10.822 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

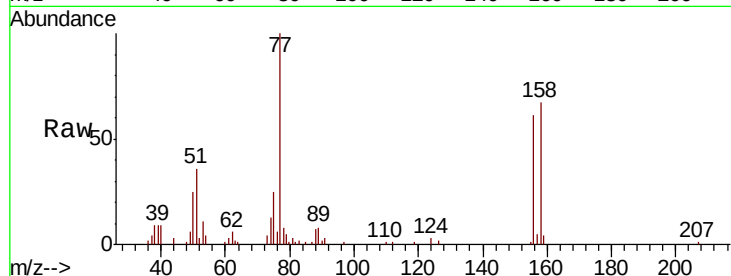
Tot Ion:156 Resp: 24979

Ion Ratio Lower Upper

156 100

77 174.5 85.8 257.3

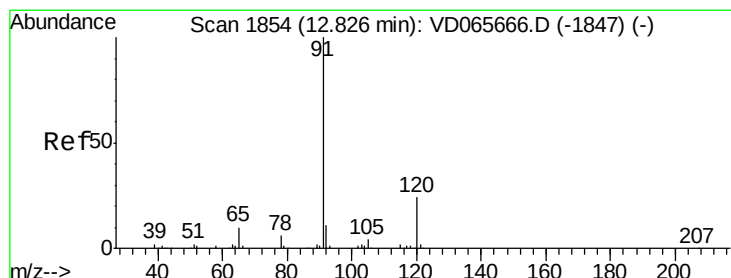
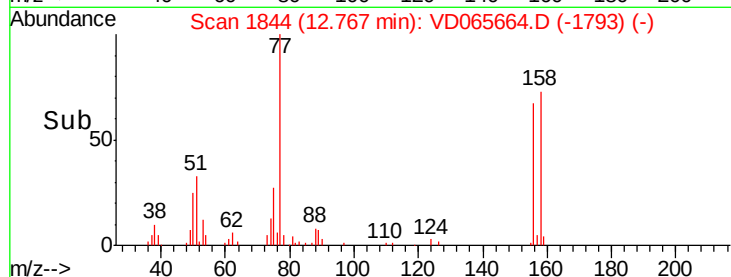
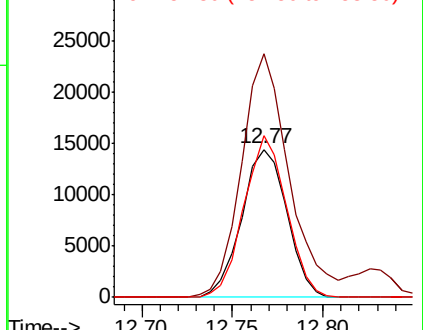
158 103.4 49.9 149.6



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: 10.513 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065664.D

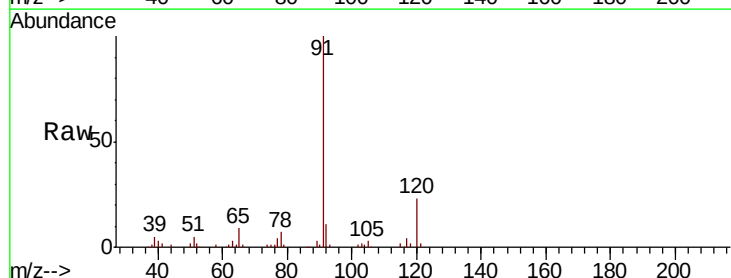
Acq: 22 Apr 2020 14:10

Tgt Ion: 91 Resp: 110937

Ion Ratio Lower Upper

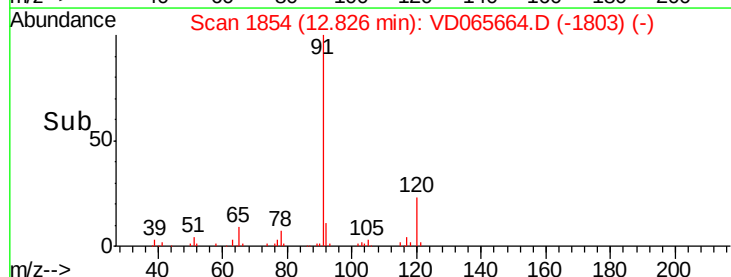
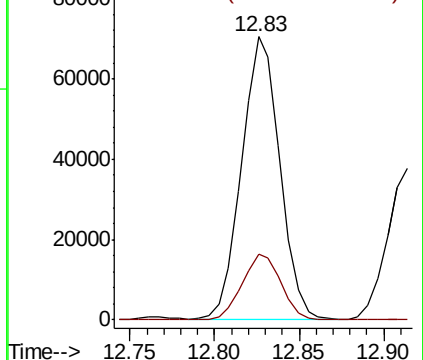
91 100

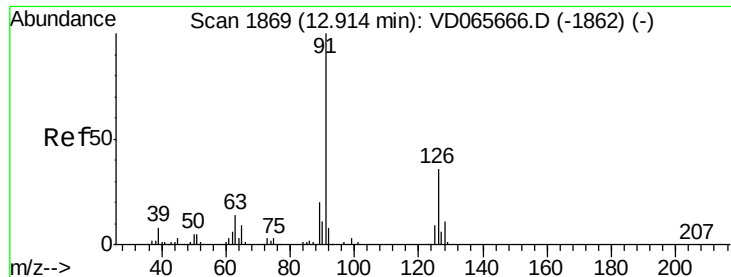
120 23.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.796 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

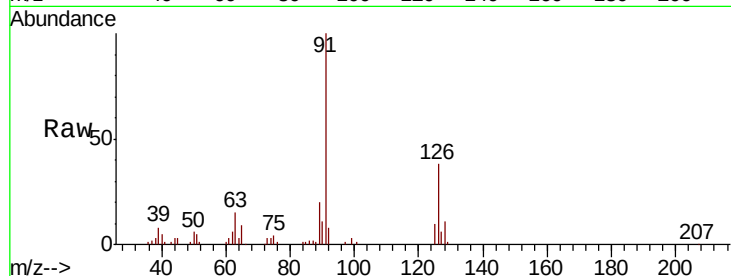
ClientSampleId :

Tot Ion: 91 Resp: 64810

Ion Ratio Lower Upper

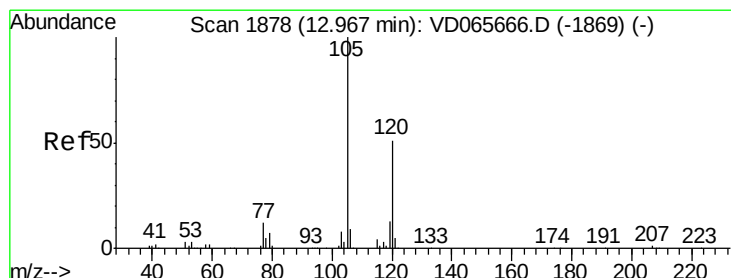
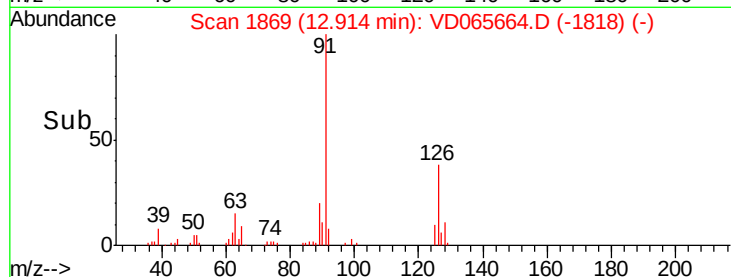
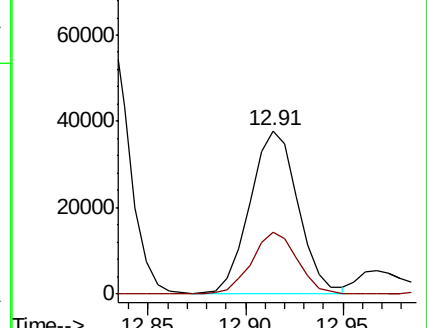
91 100

126 35.8 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VD065666.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065666.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.481 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065664.D

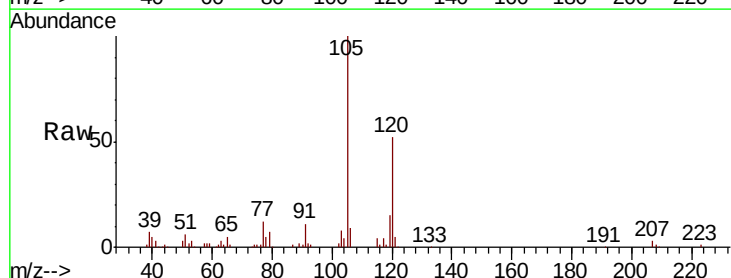
Acq: 22 Apr 2020 14:10

Tgt Ion:105 Resp: 77208

Ion Ratio Lower Upper

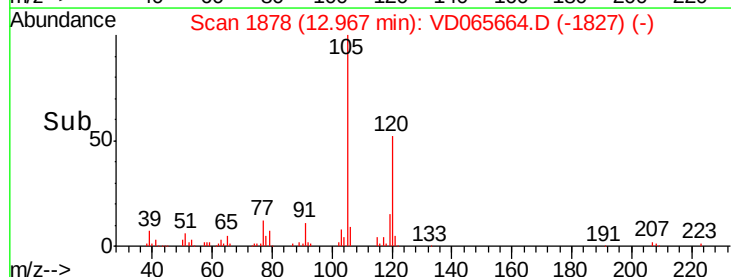
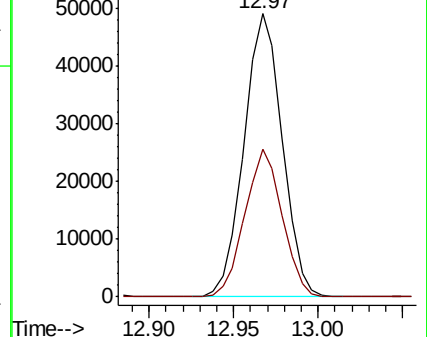
105 100

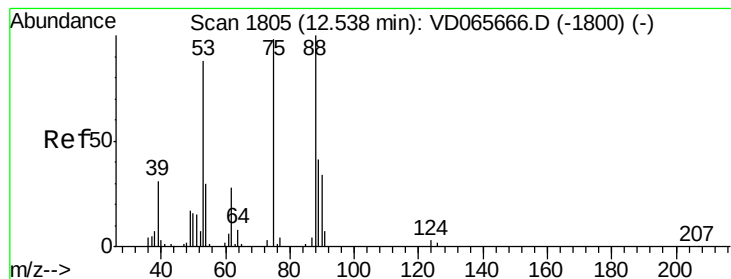
120 51.0 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065666.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065666.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 10.670 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

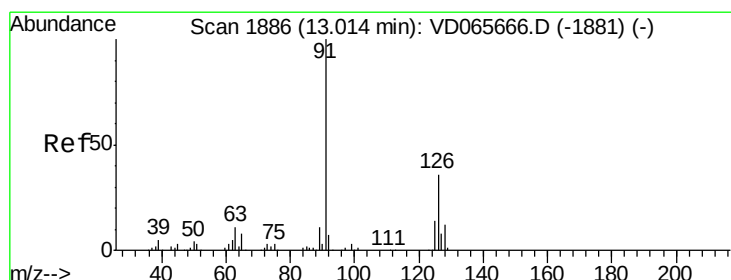
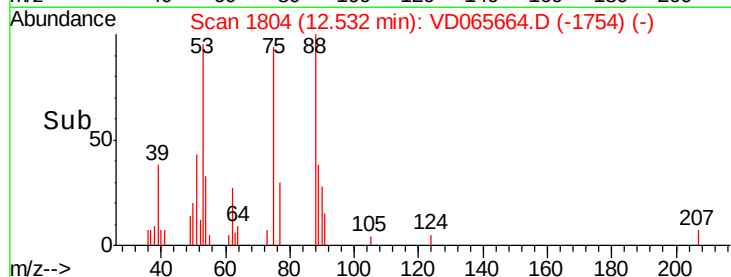
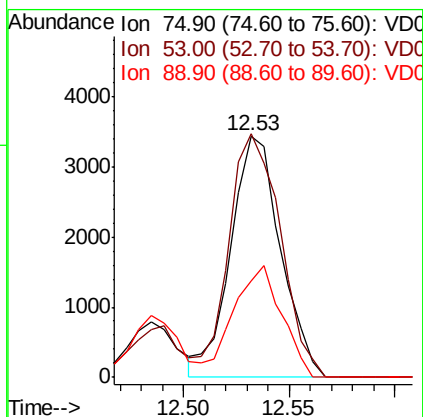
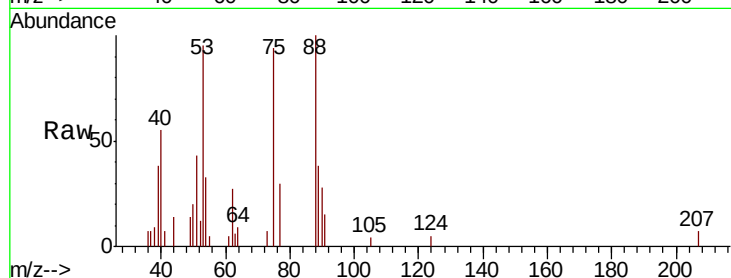
Tot Ion: 75 Resp: 5637

Ion Ratio Lower Upper

75 100

53 104.8 76.5 114.7

89 44.4 35.0 52.6



#82

4-Chlorotoluene

Concen: 11.024 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065664.D

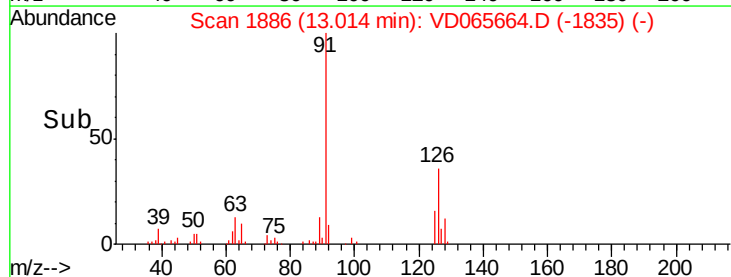
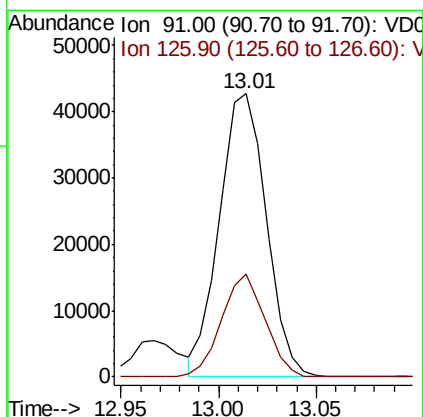
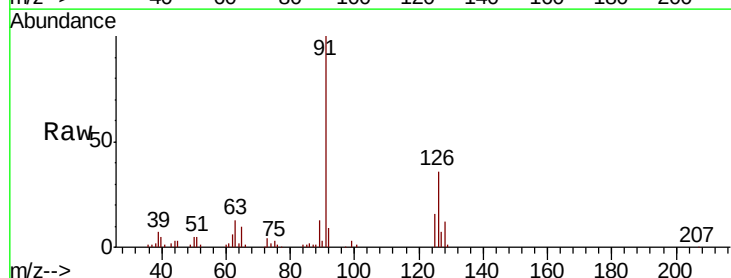
Acq: 22 Apr 2020 14:10

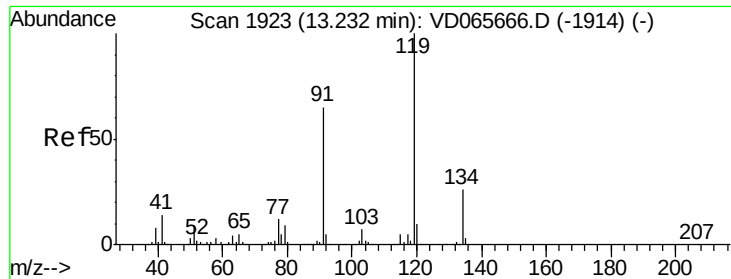
Tgt Ion: 91 Resp: 71248

Ion Ratio Lower Upper

91 100

126 34.0 17.7 53.1

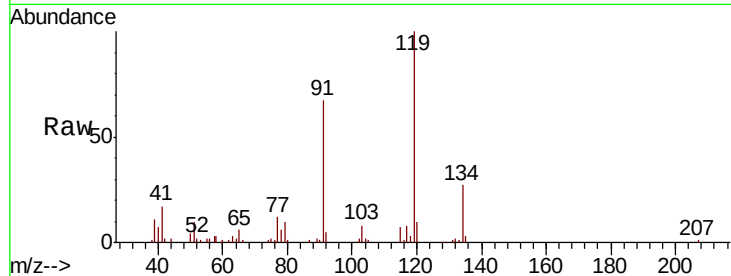




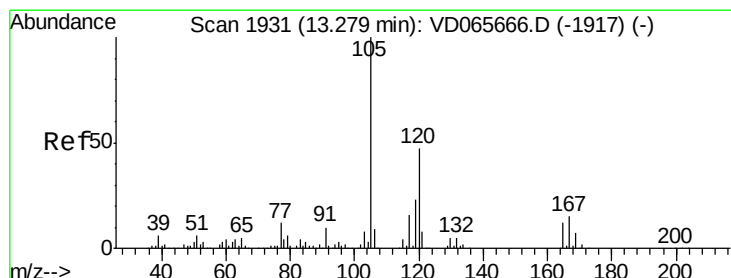
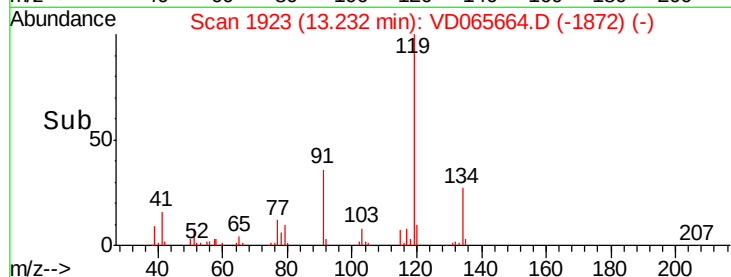
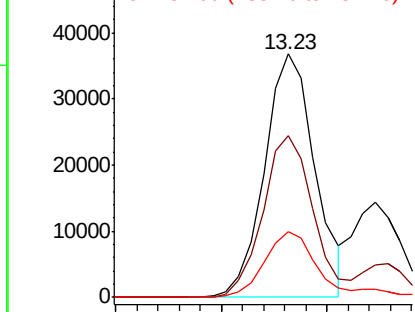
#83
tert-Butylbenzene
Concen: 9.903 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 61105
Ion Ratio Lower Upper
119 100
91 66.4 31.9 95.7
134 26.9 14.1 42.3

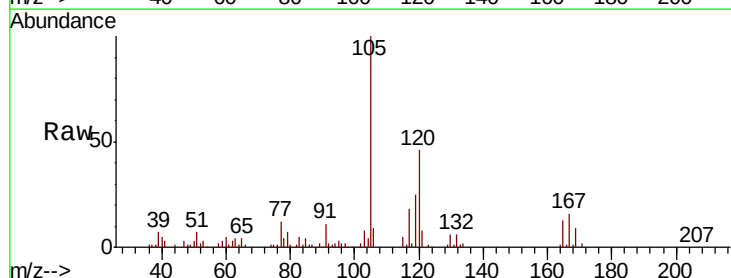


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

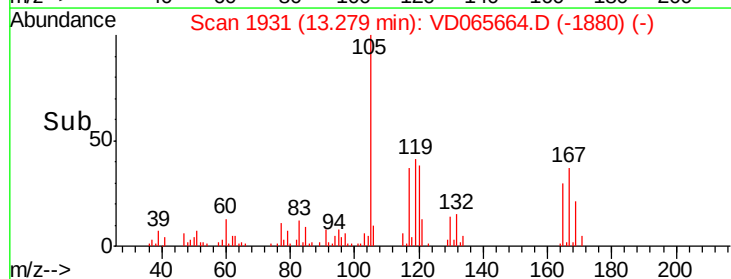
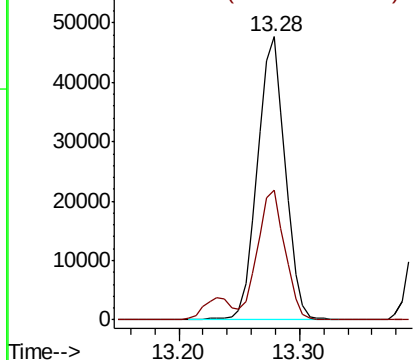


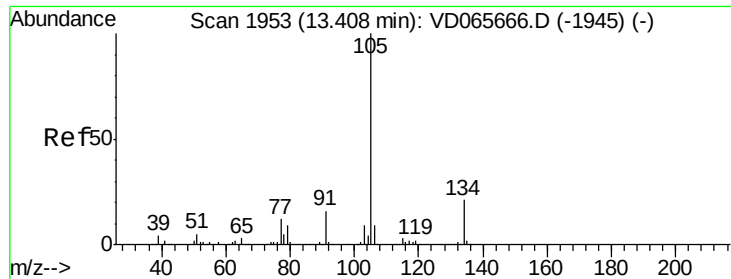
#84
1,2,4-Trimethylbenzene
Concen: 10.355 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion:105 Resp: 75979
Ion Ratio Lower Upper
105 100
120 45.3 23.5 70.6



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





#85

sec-Butylbenzene

Concen: 10.220 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

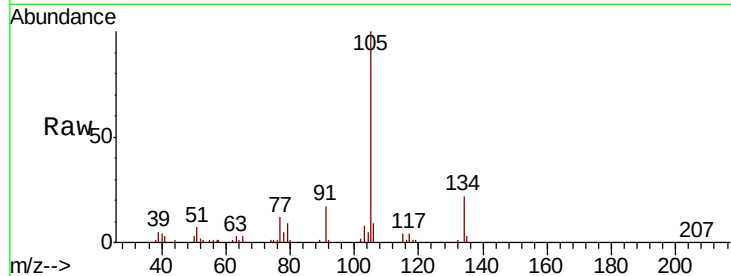
ClientSampleId :

Tot Ion:105 Resp: 90309

Ion Ratio Lower Upper

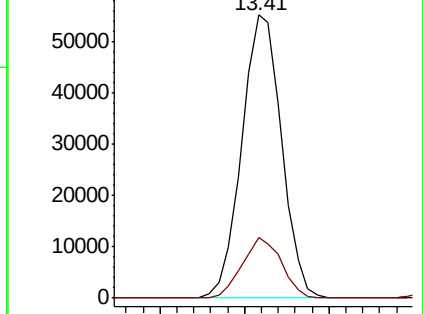
105 100

134 21.1 10.5 31.5

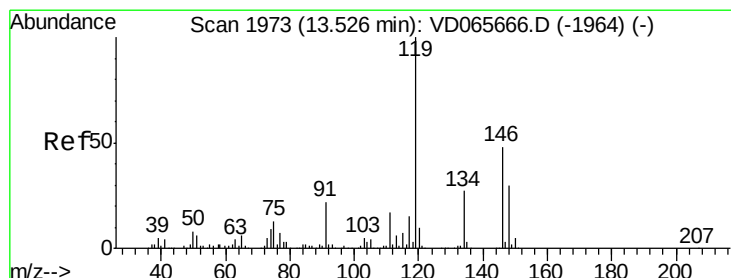
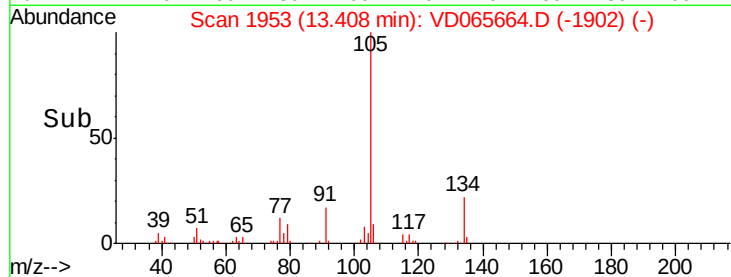


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 9.630 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

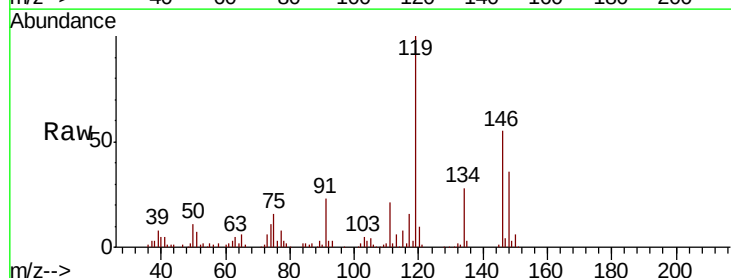
Tgt Ion:119 Resp: 79943

Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

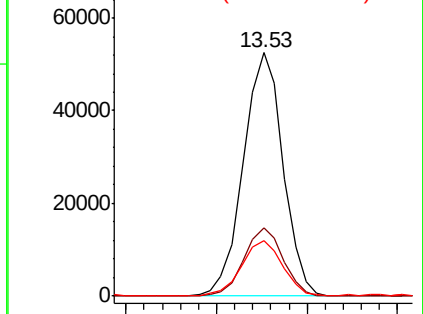
91 23.6 10.9 32.7



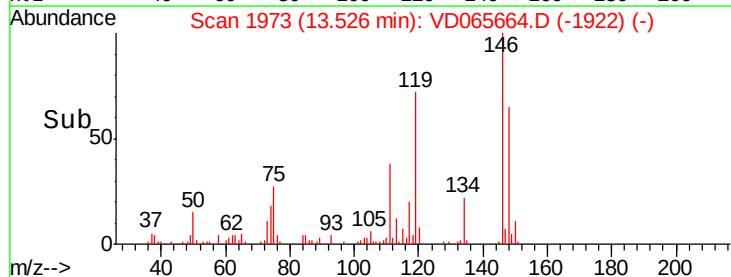
Abundance Ion 119.00 (118.70 to 119.70): V

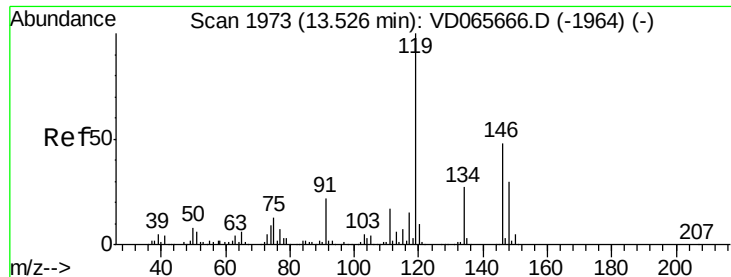
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 10.685 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065664.D

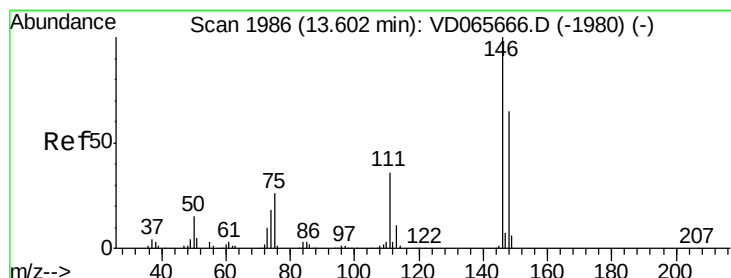
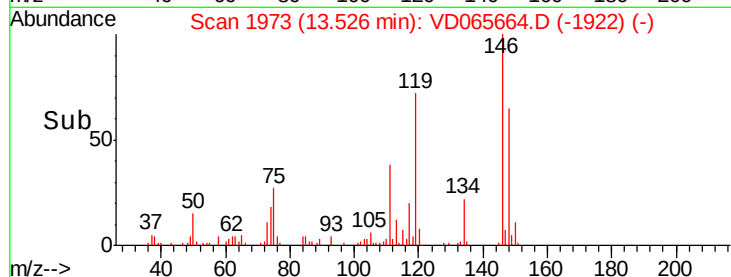
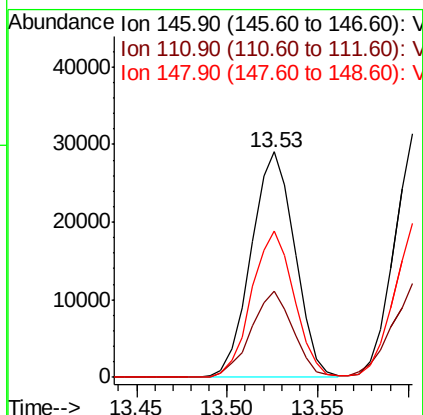
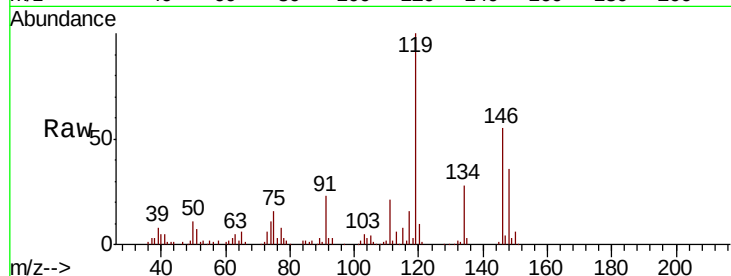
Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:146	Resp:	48517
Ion	Ratio	Lower Upper
146	100	
111	36.9	18.6 56.0
148	63.5	31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 11.374 ug/l

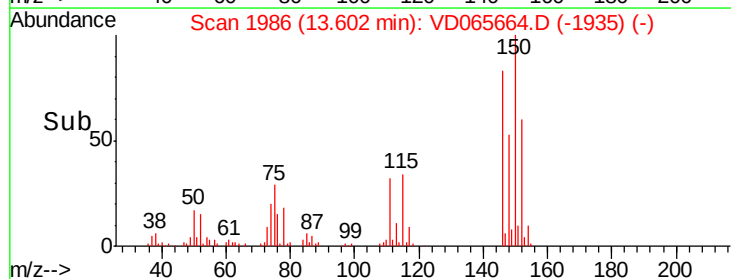
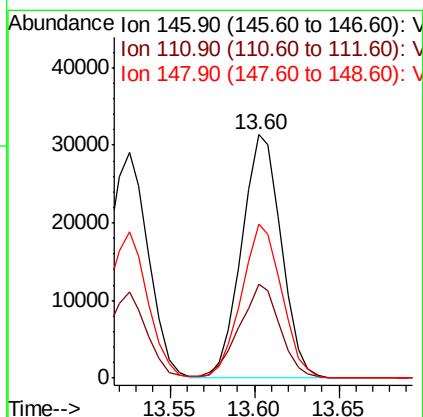
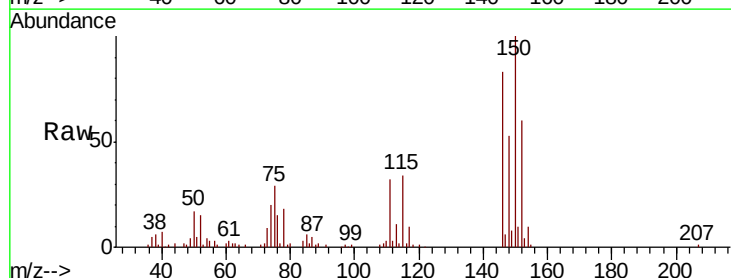
RT: 13.60 min Scan# 1986

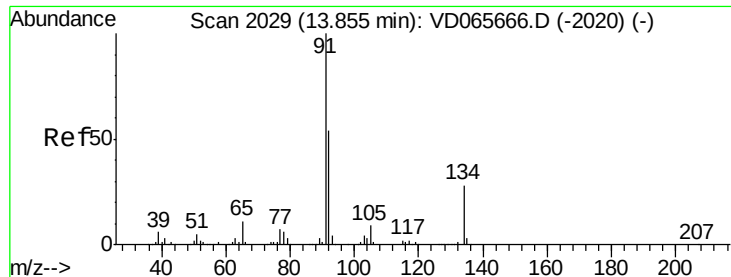
Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Tgt Ion:146	Resp:	51325
Ion	Ratio	Lower Upper
146	100	
111	39.8	18.1 54.1
148	64.5	31.9 95.5

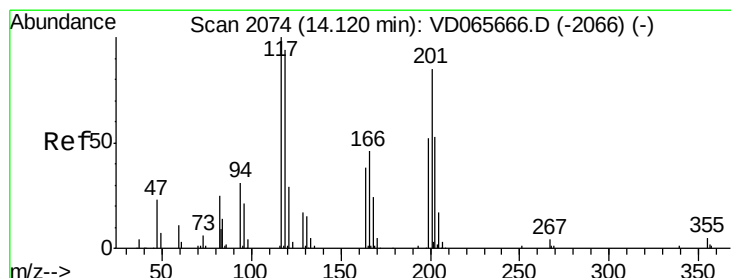
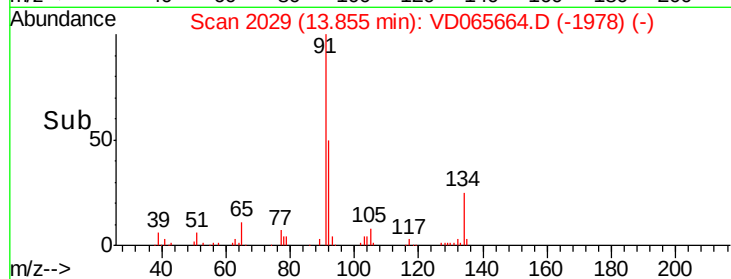
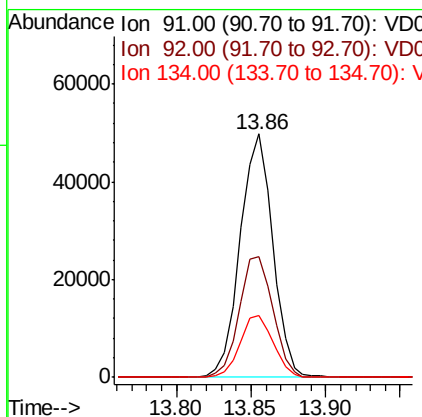
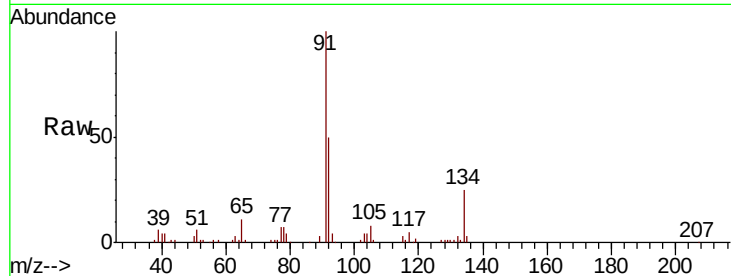




#89
n-Butylbenzene
Concen: 10.031 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

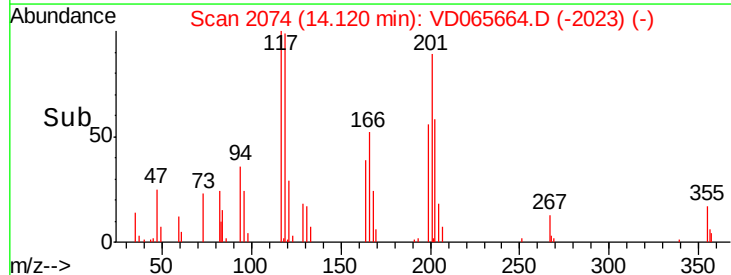
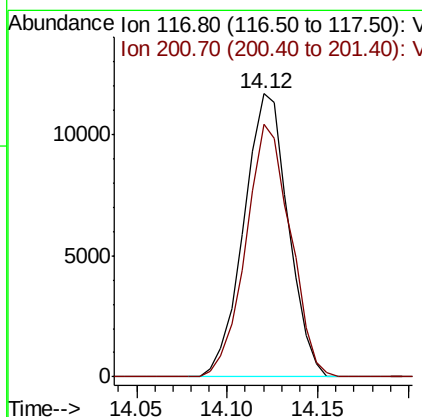
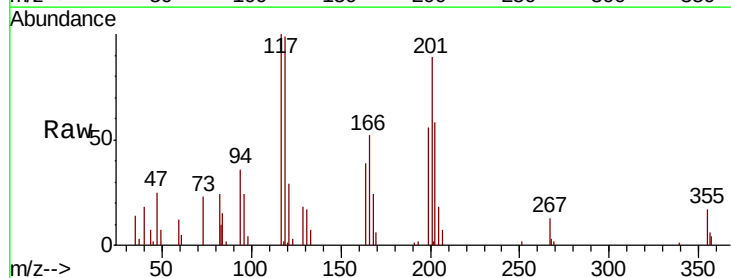
Instrument :
MSVOA_D
ClientSampleId :

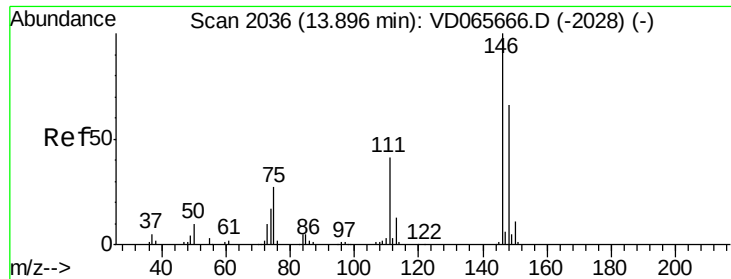
Tot Ion: 91 Resp: 75468
Ion Ratio Lower Upper
91 100
92 51.2 27.1 81.2
134 25.9 13.7 41.0



#90
Hexachloroethane
Concen: 11.402 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065664.D
Acq: 22 Apr 2020 14:10

Tgt Ion: 117 Resp: 19907
Ion Ratio Lower Upper
117 100
201 89.4 44.6 134.0

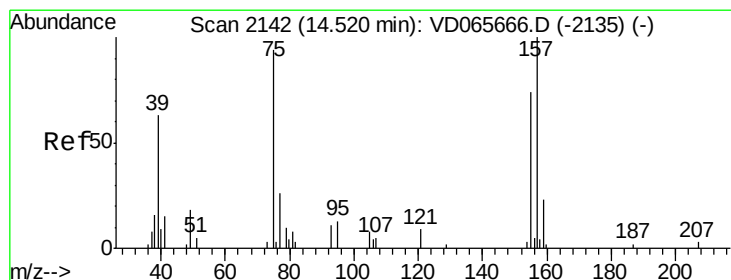
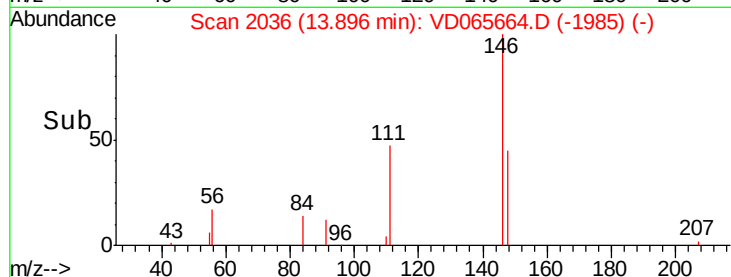
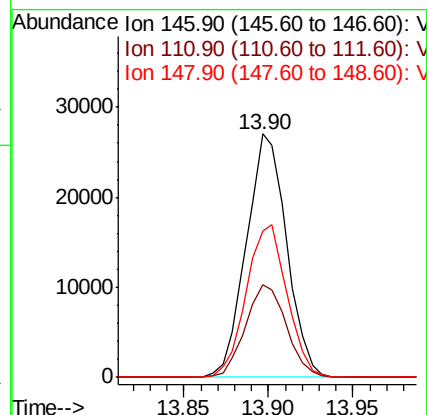
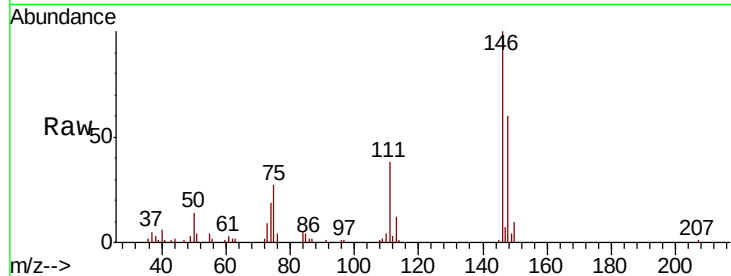




#91
 1,2-Dichlorobenzene
 Concen: 11.537 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

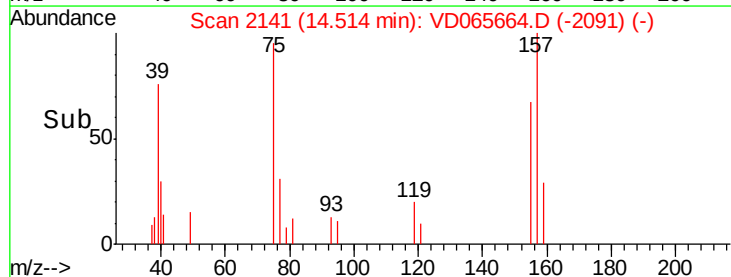
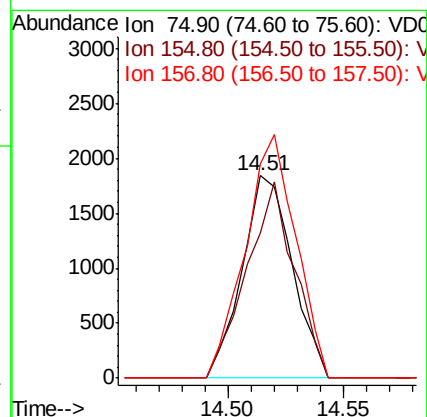
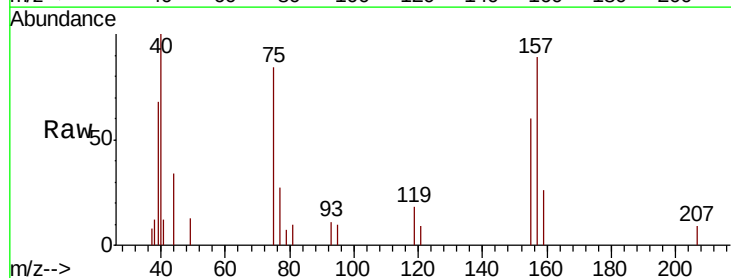
Instrument :
 MSVOA_D
 ClientSampleId :

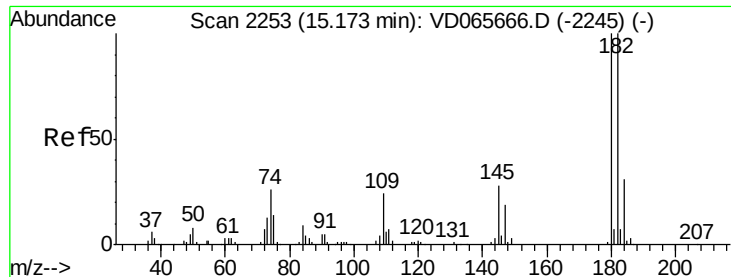
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	63.3	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.652 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	40.6	122.0
157	121.0	52.8	158.5

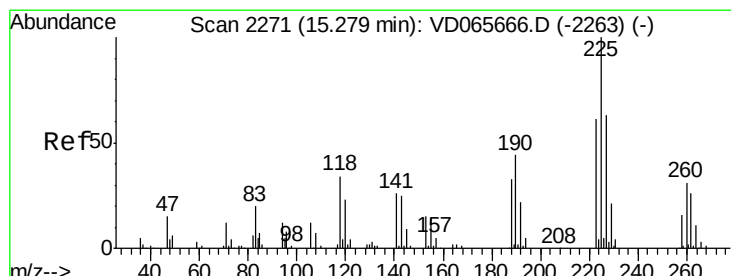
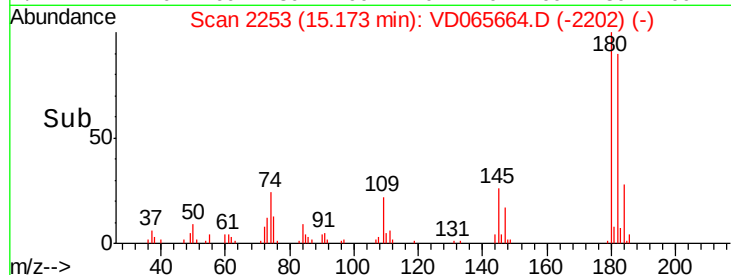
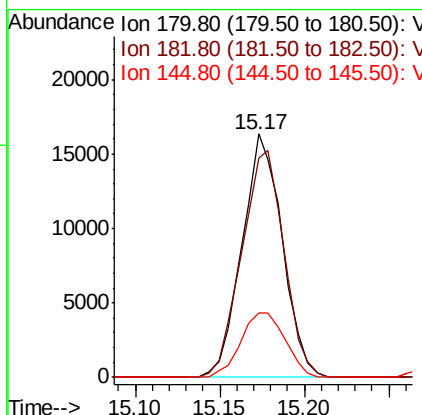
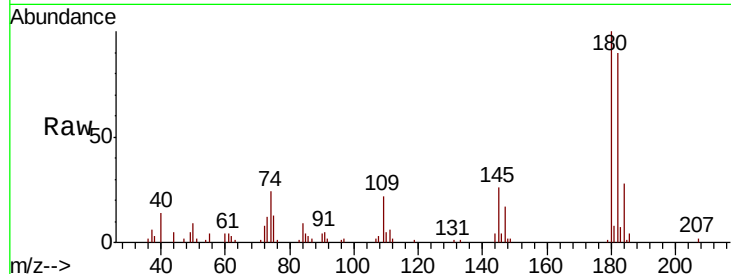




#93
 1,2,4-Trichlorobenzene
 Concen: 10.174 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

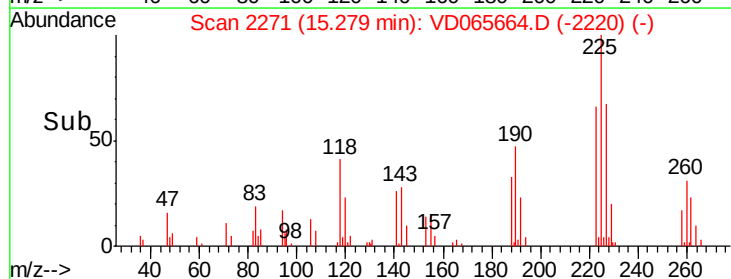
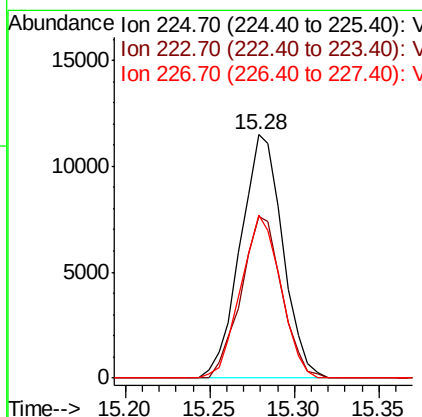
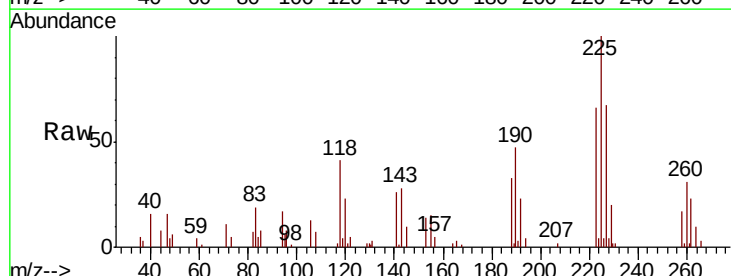
Instrument :
 MSVOA_D
 ClientSampleId :

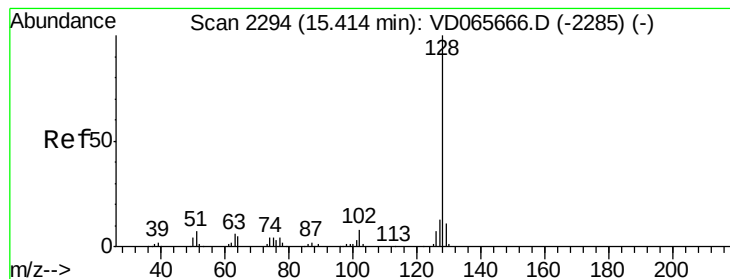
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.4	142.2
145	29.1	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 10.898 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065664.D
 Acq: 22 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.8	92.4
227	63.5	32.1	96.5





#95

Naphthalene

Concen: 9.800 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

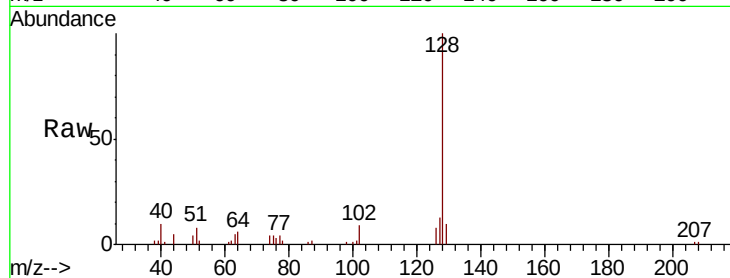
Tot Ion:128 Resp: 38258

Ion Ratio Lower Upper

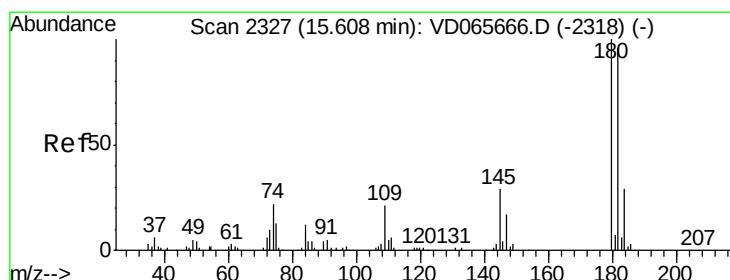
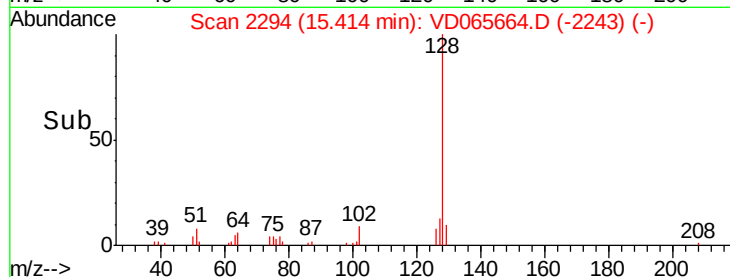
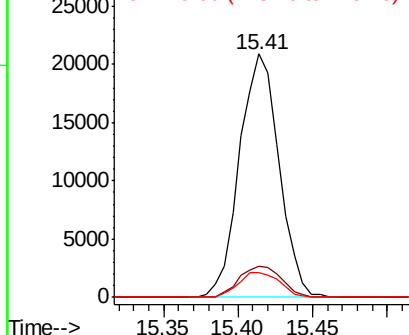
128 100

127 13.8 10.6 15.8

129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 10.408 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065664.D

Acq: 22 Apr 2020 14:10

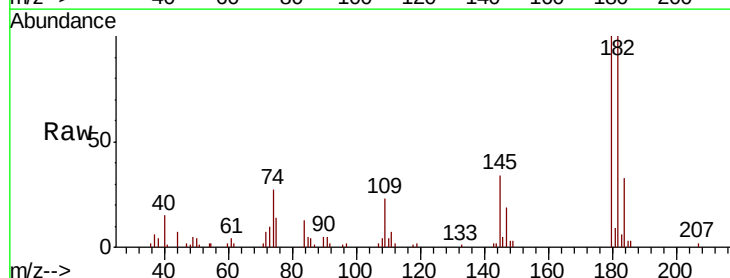
Tgt Ion:180 Resp: 24361

Ion Ratio Lower Upper

180 100

182 93.1 47.4 142.3

145 30.0 14.6 44.0



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

