

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063901.D
 Acq On : 10 Oct 2019 10:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 07:35:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	206323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	313944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	315331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	174147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	102219	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	7.92	113	102023	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.34	98	435135	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
62) 4-Bromofluorobenzene	12.63	95	146210	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	66107	45.180	ug/l	92
3) Chloromethane	2.21	50	214186	54.594	ug/l	97
4) Vinyl Chloride	2.35	62	247206	52.274	ug/l	99
5) Bromomethane	2.77	94	147201	48.417	ug/l	99
6) Chloroethane	2.92	64	158494	50.678	ug/l	97
7) Trichlorofluoromethane	3.27	101	351379	56.198	ug/l	97
8) Diethyl Ether	3.70	74	46690	46.524	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92689	53.554	ug/l	99
10) Methyl Iodide	4.30	142	116689	48.929	ug/l	98
11) Tert butyl alcohol	5.24	59	32538	232.607	ug/l	98
12) 1,1-Dichloroethene	4.06	96	86927	50.271	ug/l	98
13) Acrolein	3.93	56	40912	228.042	ug/l	91
14) Allyl chloride	4.71	41	139569	48.548	ug/l	98
15) Acrylonitrile	5.43	53	109330	247.095	ug/l	96
16) Acetone	4.17	43	140573	268.794	ug/l	94
17) Carbon Disulfide	4.40	76	303048	48.213	ug/l #	93
18) Methyl Acetate	4.73	43	50559	49.428	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	213347	47.647	ug/l	97
20) Methylene Chloride	4.97	84	111731	48.031	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	112377	52.206	ug/l	98
22) Diisopropyl ether	6.37	45	291975	49.729	ug/l	96
23) Vinyl Acetate	6.31	43	869658	248.987	ug/l	99
24) 1,1-Dichloroethane	6.27	63	182684	50.514	ug/l	96
25) 2-Butanone	7.23	43	157784	254.579	ug/l	96
26) 2,2-Dichloropropane	7.21	77	174420	53.316	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	124789	51.217	ug/l	98
28) Bromochloromethane	7.56	49	73761	53.510	ug/l	98
29) Tetrahydrofuran	7.57	42	81281	224.685	ug/l	99
30) Chloroform	7.71	83	196472	50.019	ug/l	92
31) Cyclohexane	7.98	56	170090	57.483	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	181879	53.979	ug/l	99
36) 1,1-Dichloropropene	8.11	75	158284	55.142	ug/l	99
37) Ethyl Acetate	7.30	43	61263	53.505	ug/l	99
38) Carbon Tetrachloride	8.10	117	165183	56.945	ug/l #	90

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	202113	57.266	ug/l	94
40) Benzene	8.36	78	450104	54.718	ug/l	100
41) Methacrylonitrile	7.53	41	32062	48.177	ug/l	89
42) 1,2-Dichloroethane	8.43	62	119952	50.411	ug/l	99
43) Isopropyl Acetate	8.46	43	116023	48.197	ug/l	99
44) Trichloroethene	9.11	130	129130	54.439	ug/l	91
45) 1,2-Dichloropropane	9.40	63	104093	51.700	ug/l	92
46) Dibromomethane	9.48	93	61197	53.370	ug/l	99
47) Bromodichloromethane	9.66	83	156332	52.954	ug/l	98
48) Methyl methacrylate	9.46	41	54865	47.568	ug/l	98
49) 1,4-Dioxane	9.46	88	16555	1057.699	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	301073	241.154	ug/l	98
52) Toluene	10.41	92	309239	54.762	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	156031	54.162	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	180145	54.323	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	86926	53.690	ug/l	93
56) Ethyl methacrylate	10.66	69	102368	49.929	ug/l	96
57) 1,3-Dichloropropane	10.95	76	142030	51.272	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	212594	241.231	ug/l	98
59) 2-Hexanone	10.99	43	240796	266.631	ug/l	100
60) Dibromochloromethane	11.14	129	117741	55.859	ug/l	97
61) 1,2-Dibromoethane	11.25	107	87449	55.714	ug/l	93
64) Tetrachloroethene	10.88	164	118648	55.116	ug/l	93
65) Chlorobenzene	11.67	112	346427	54.704	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	128240	54.957	ug/l	99
67) Ethyl Benzene	11.74	91	626965	54.905	ug/l	97
68) m/p-Xylenes	11.86	106	500973	113.663	ug/l	99
69) o-Xylene	12.18	106	232497	55.089	ug/l	96
70) Styrene	12.20	104	392868	54.989	ug/l	100
71) Bromoform	12.36	173	66363	52.993	ug/l #	96
73) Isopropylbenzene	12.48	105	638060	54.502	ug/l	97
74) N-amyl acetate	12.29	43	113287	44.945	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	97655	47.936	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	127636	109.428	ug/l #	100
77) Bromobenzene	12.76	156	153881	52.758	ug/l	95
78) n-propylbenzene	12.82	91	758764	55.217	ug/l	100
79) 2-Chlorotoluene	12.91	91	402299	53.094	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	532670	54.538	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31543	47.856	ug/l	98
82) 4-Chlorotoluene	13.01	91	415018	51.633	ug/l	98
83) tert-Butylbenzene	13.23	119	473566	54.481	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	531474	52.783	ug/l	100
85) sec-Butylbenzene	13.40	105	667376	56.853	ug/l	100
86) p-Isopropyltoluene	13.52	119	636874	57.335	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	311886	54.117	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	305227	53.685	ug/l	99
89) n-Butylbenzene	13.84	91	586972	56.769	ug/l	99
90) Hexachloroethane	14.11	117	114254	57.189	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	267424	53.845	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15509	48.947	ug/l	79

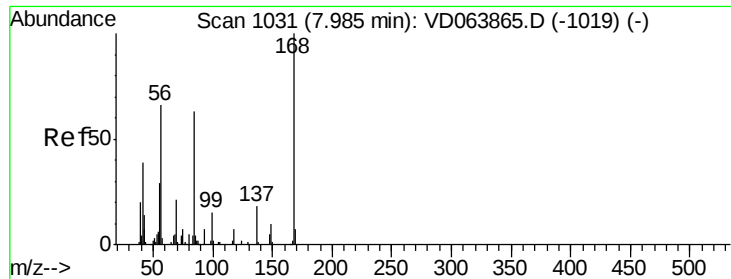
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	208115	54.306	ug/l	99
94) Hexachlorobutadiene	15.27	225	122216	57.792	ug/l	97
95) Naphthalene	15.40	128	341570	53.030	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	179628	54.327	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

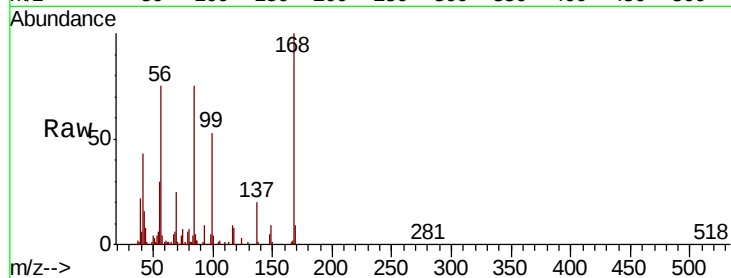
ClientSampleId :

Tot Ion:168 Resp: 206323

Ion Ratio Lower Upper

168 100

99 53.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

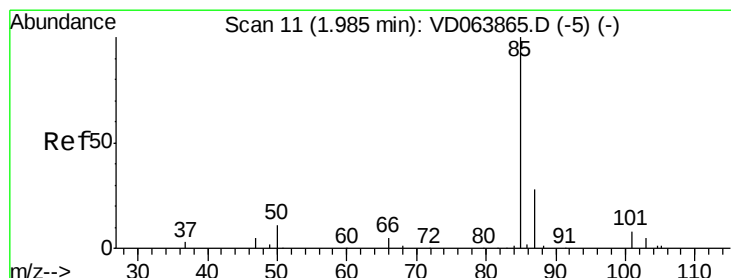
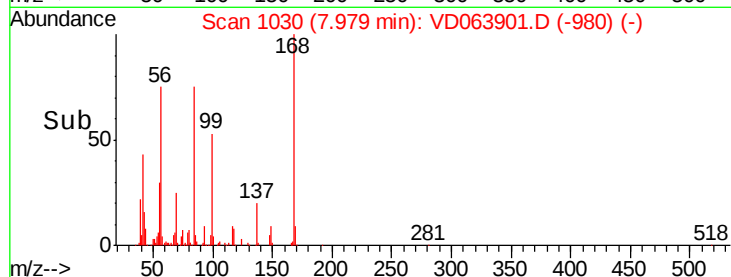
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.180 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063901.D

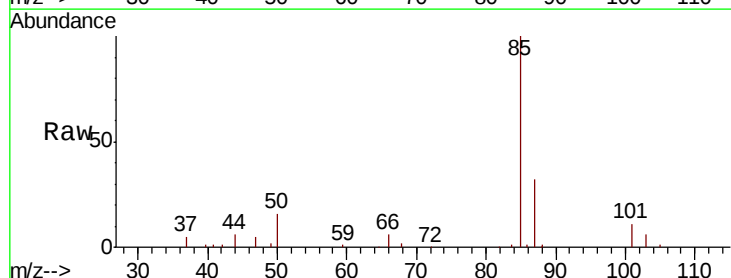
Acq: 10 Oct 2019 10:44

Tgt Ion: 85 Resp: 66107

Ion Ratio Lower Upper

85 100

87 32.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

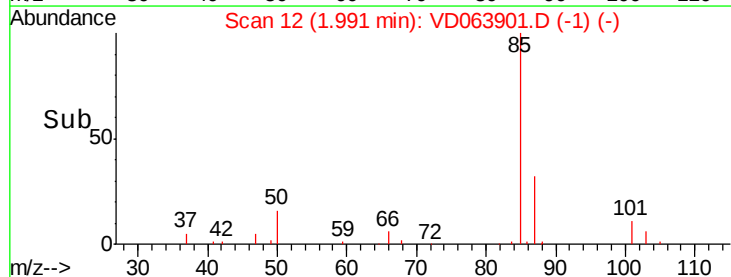
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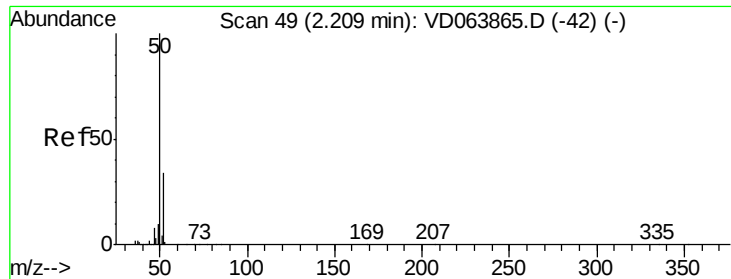
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->

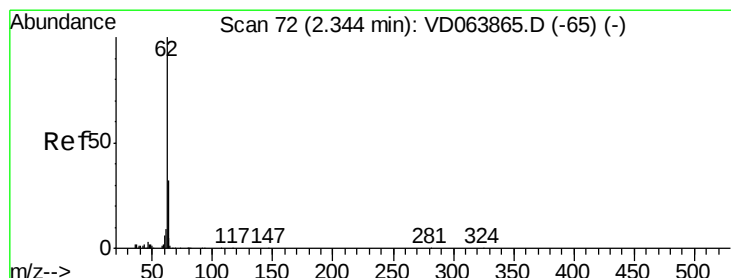
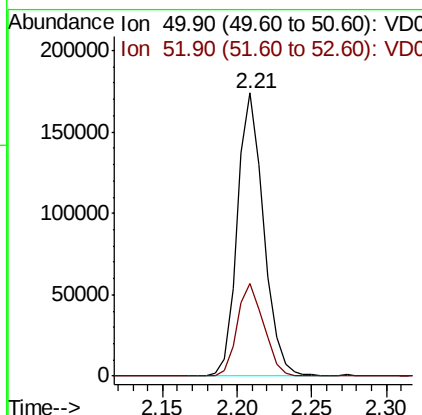
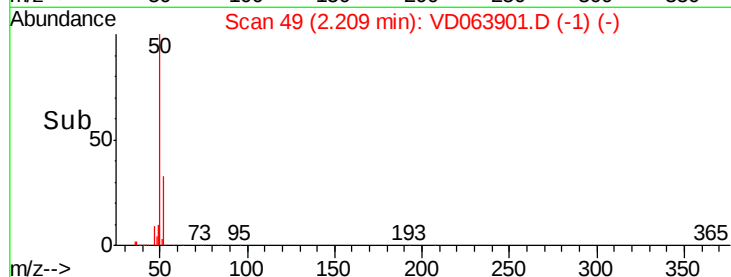
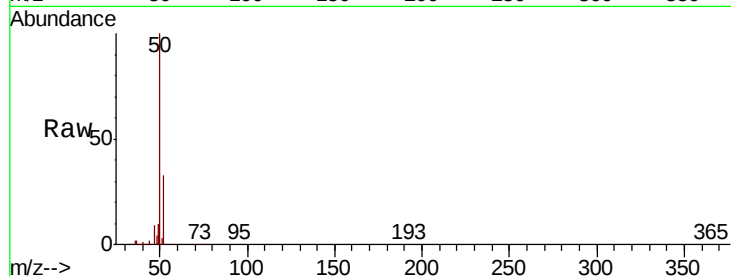




#3
Chloromethane
Concen: 54.594 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

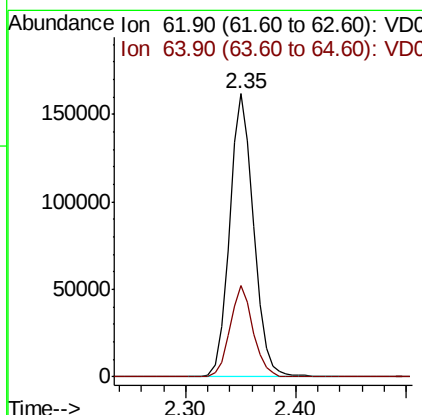
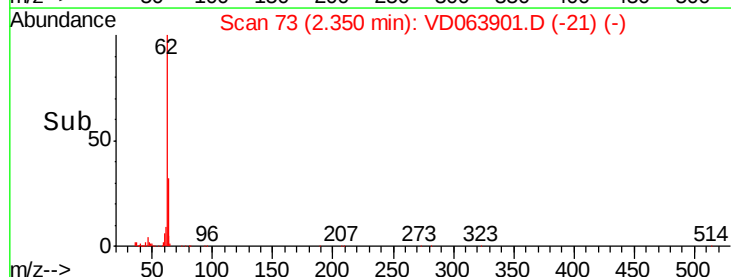
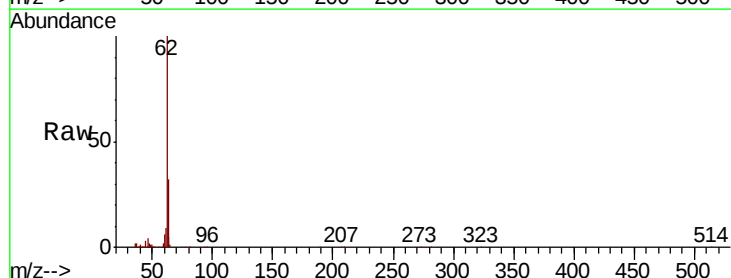
Instrument :
MSVOA_D
ClientSampleId :

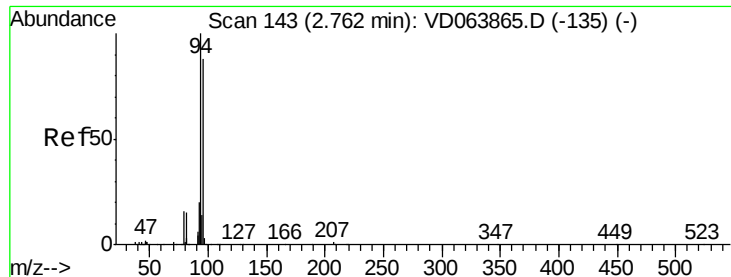
Tot Ion: 50 Resp: 214186
Ion Ratio Lower Upper
50 100
52 32.9 27.5 41.3



#4
Vinyl Chloride
Concen: 52.274 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 62 Resp: 247206
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.0





#5

Bromomethane

Concen: 48.417 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

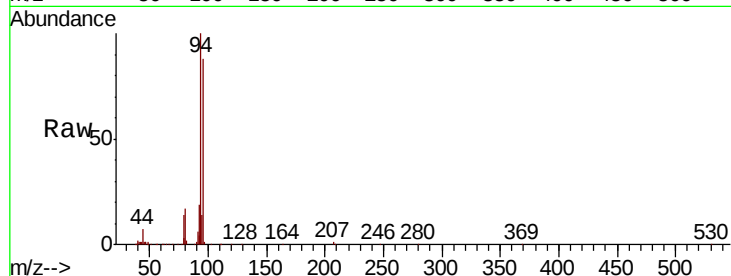
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 147201

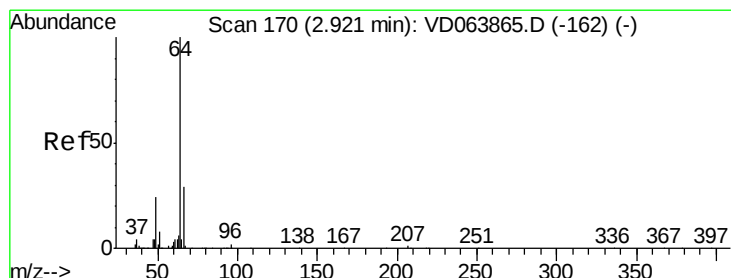
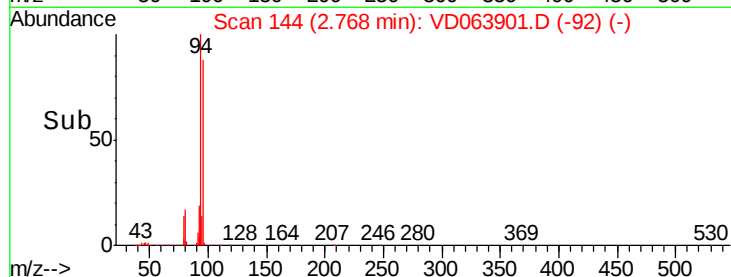
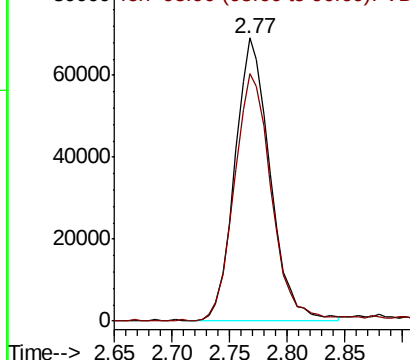
Ion Ratio Lower Upper

94 100

96 87.4 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.678 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063901.D

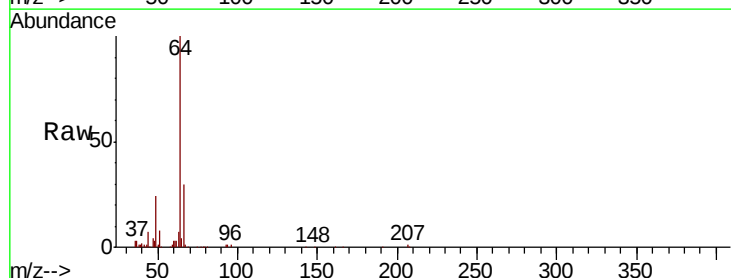
Acq: 10 Oct 2019 10:44

Tgt Ion: 64 Resp: 158494

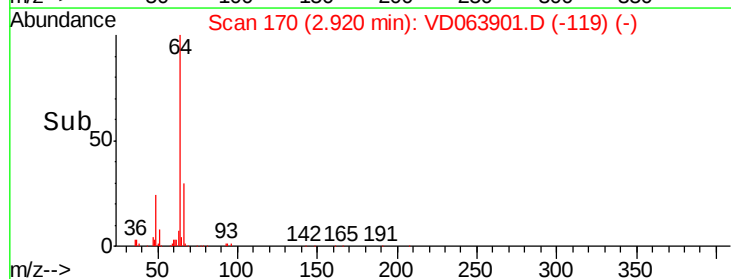
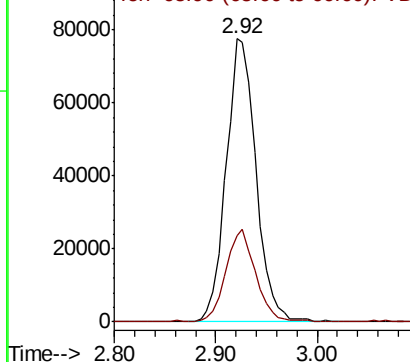
Ion Ratio Lower Upper

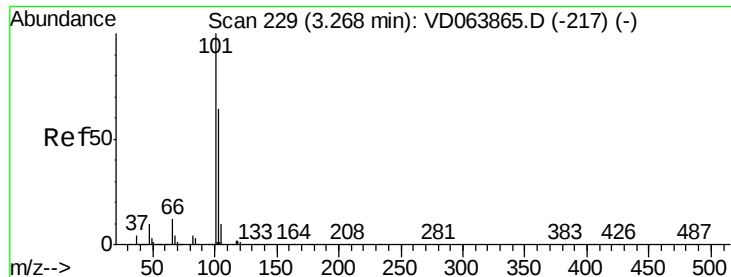
64 100

66 30.3 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



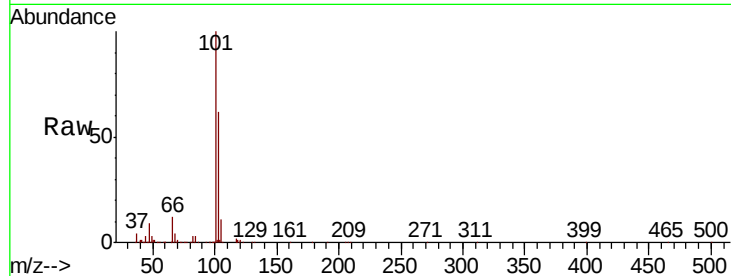


#7

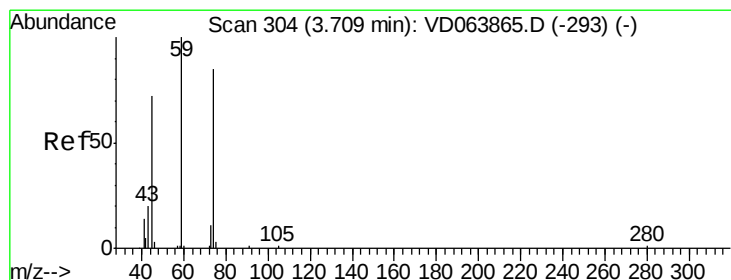
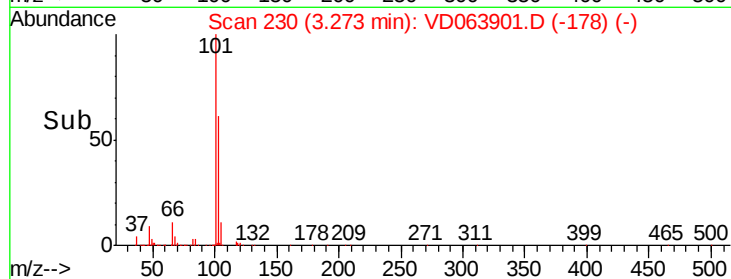
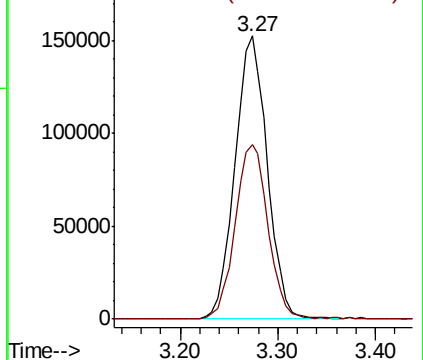
Trichlorofluoromethane
 Concen: 56.198 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 351379
 Ion Ratio Lower Upper
 101 100
 103 61.6 51.1 76.7



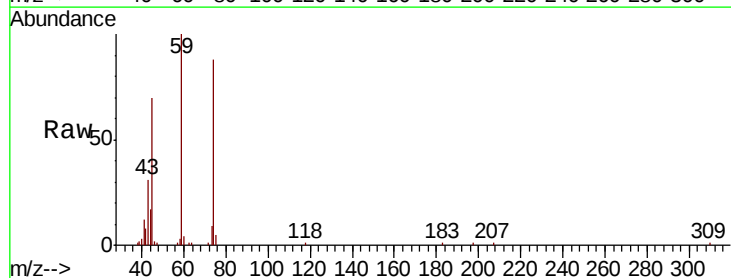
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



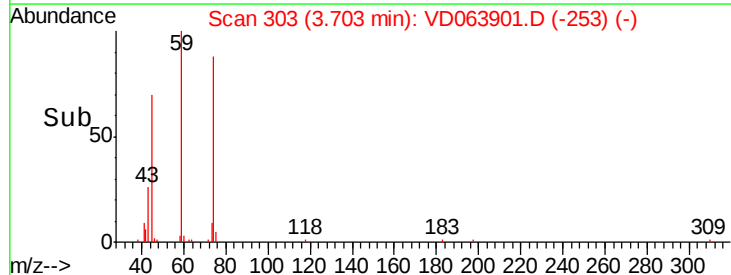
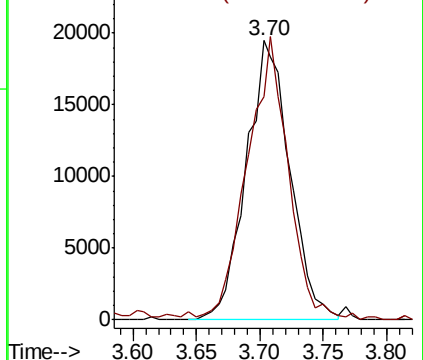
#8

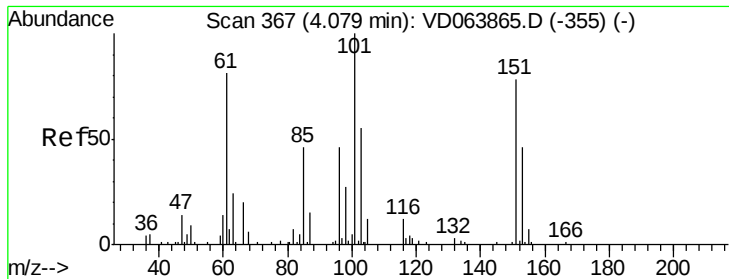
Diethyl Ether
 Concen: 46.524 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion: 74 Resp: 46690
 Ion Ratio Lower Upper
 74 100
 45 93.7 48.1 144.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.554 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

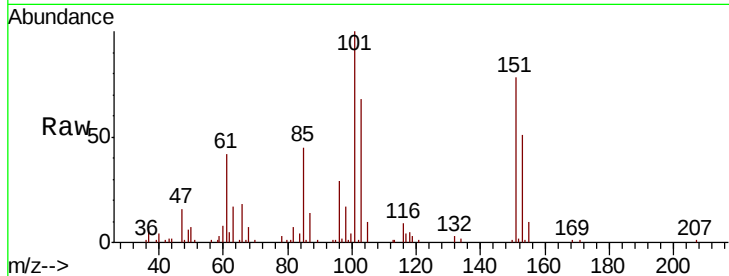
Tot Ion:101 Resp: 92689

Ion Ratio Lower Upper

101 100

85 46.8 37.5 56.3

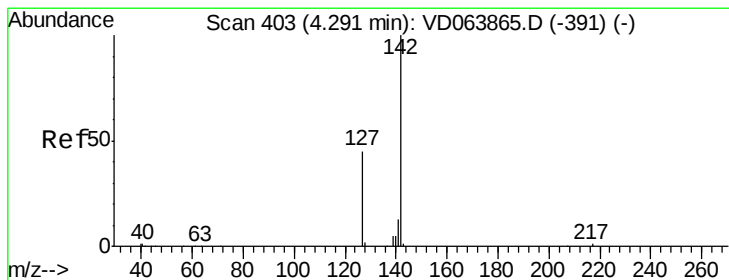
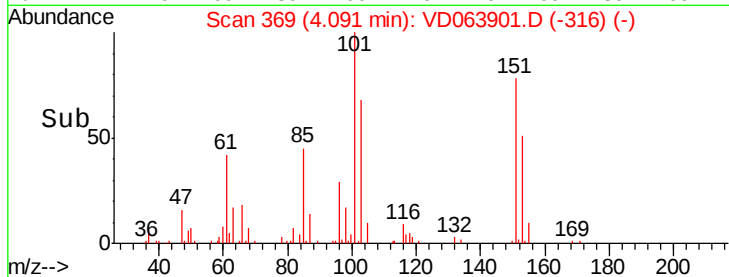
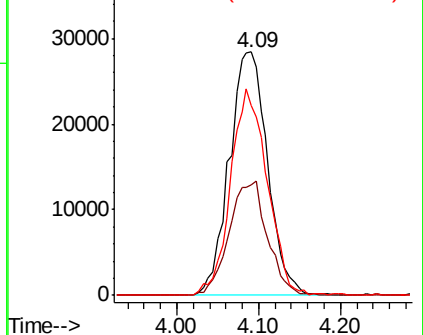
151 80.9 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.929 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

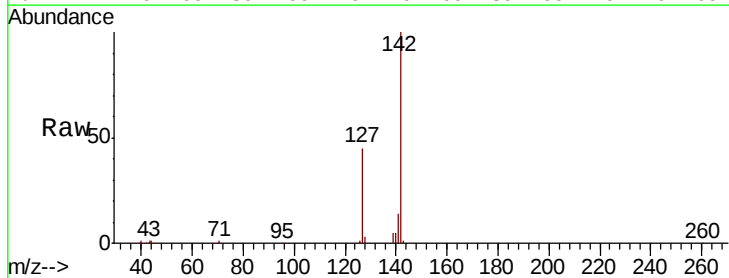
Tgt Ion:142 Resp: 116689

Ion Ratio Lower Upper

142 100

127 42.8 35.3 52.9

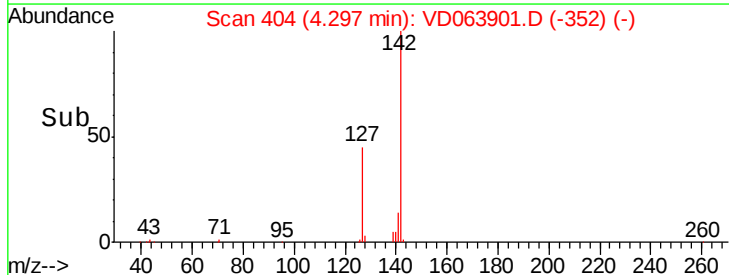
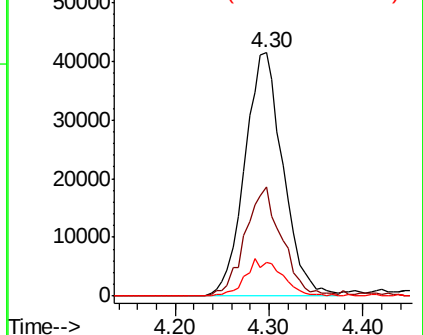
141 14.4 12.2 18.2

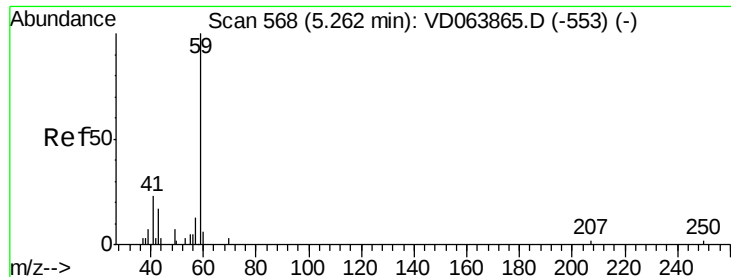


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

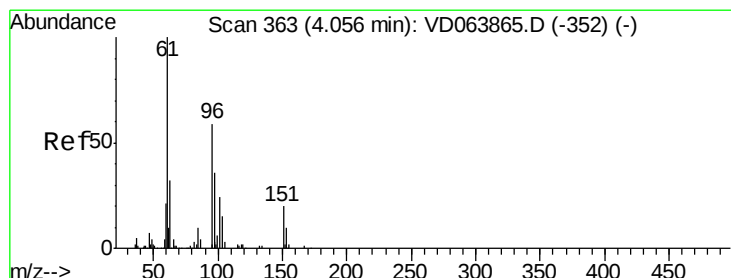
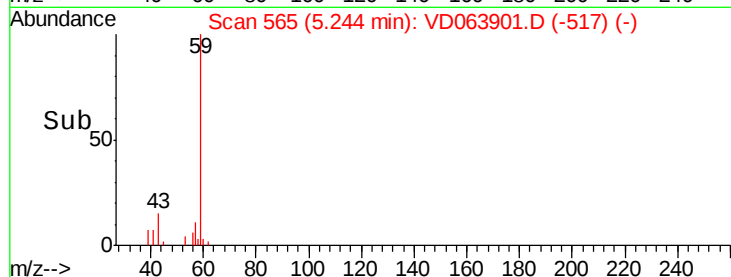
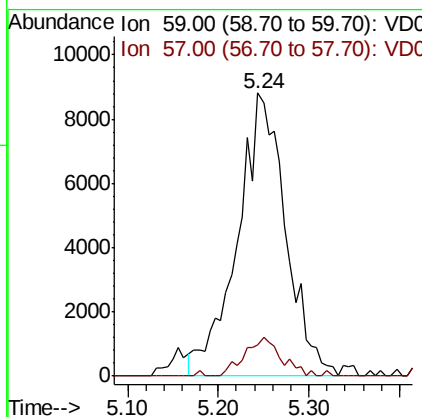
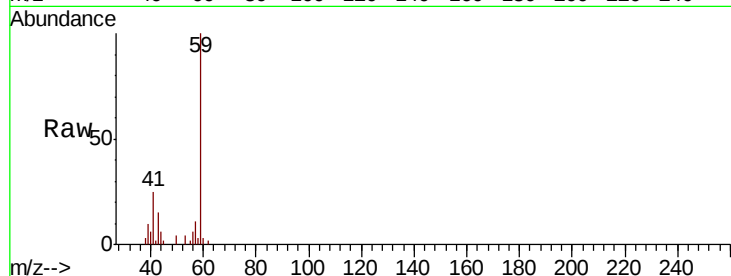




#11
Tert butyl alcohol
Concen: 232.607 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

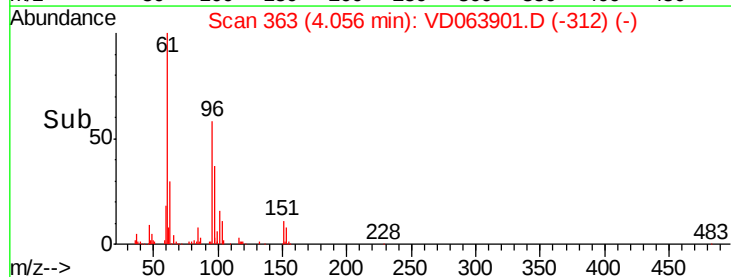
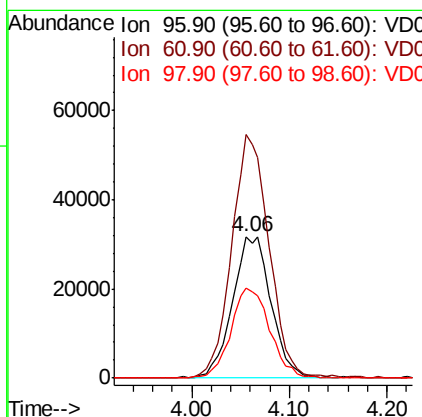
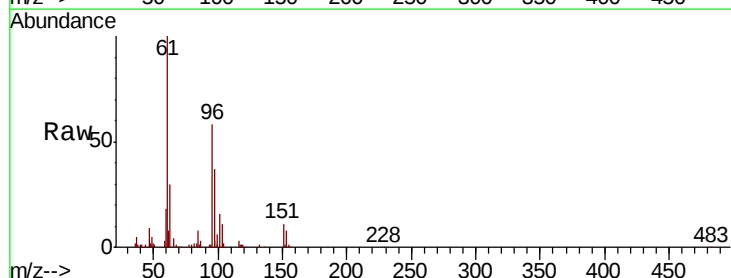
Instrument :
MSVOA_D
ClientSampleId :

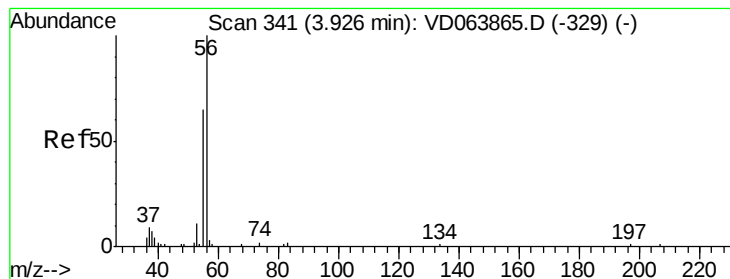
Tot Ion: 59 Resp: 32538
Ion Ratio Lower Upper
59 100
57 10.4 8.8 13.2



#12
1,1-Dichloroethene
Concen: 50.271 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 96 Resp: 86927
Ion Ratio Lower Upper
96 100
61 171.9 135.6 203.4
98 63.9 49.2 73.8





#13

Acrolein

Concen: 228.042 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

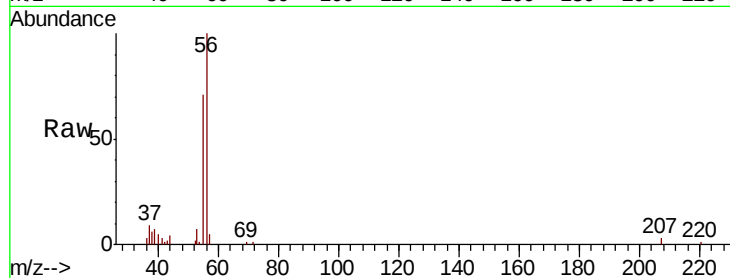
ClientSampleId :

Tot Ion: 56 Resp: 40912

Ion Ratio Lower Upper

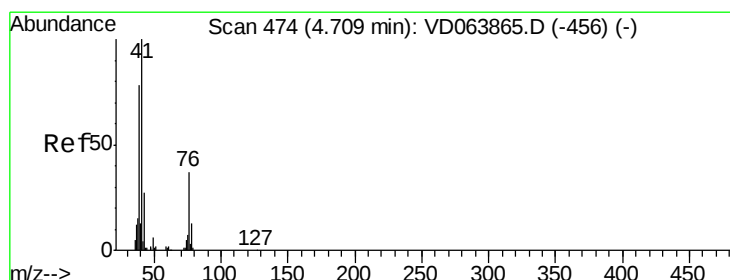
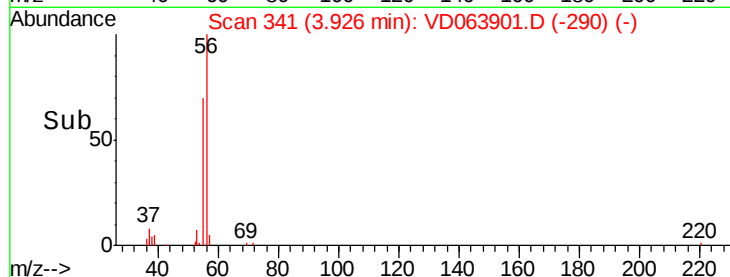
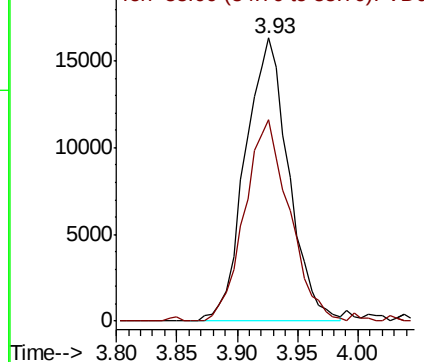
56 100

55 73.2 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.548 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

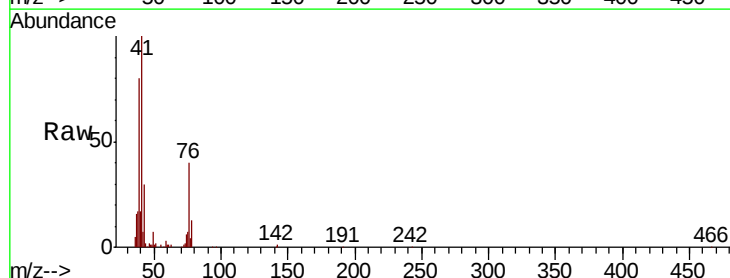
Tgt Ion: 41 Resp: 139569

Ion Ratio Lower Upper

41 100

39 74.5 61.8 92.6

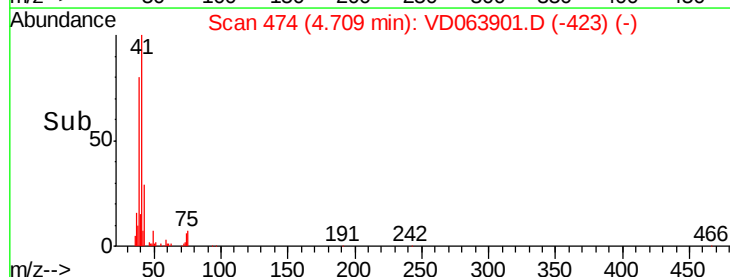
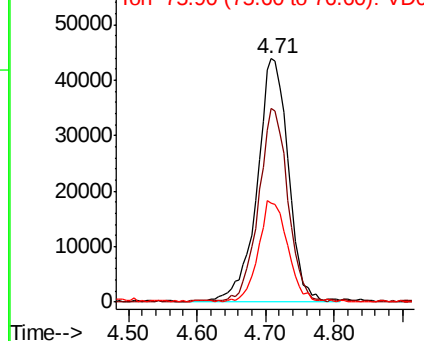
76 38.9 31.3 46.9

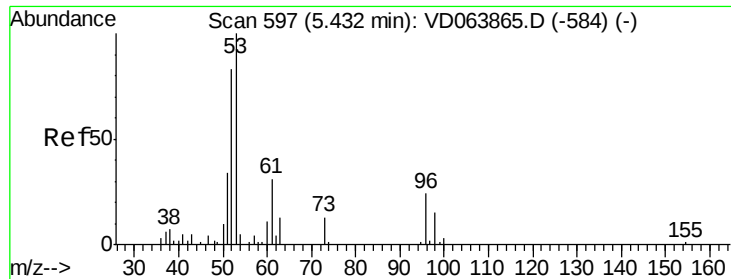


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 247.095 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

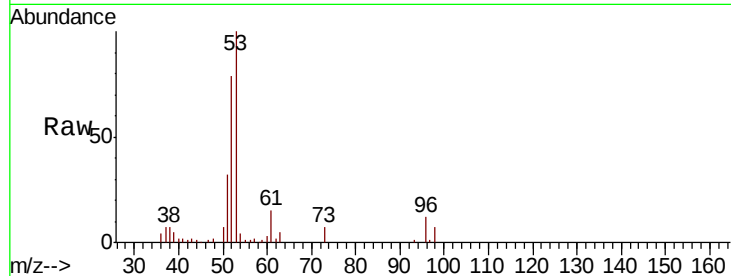
Tot Ion: 53 Resp: 109330

Ion Ratio Lower Upper

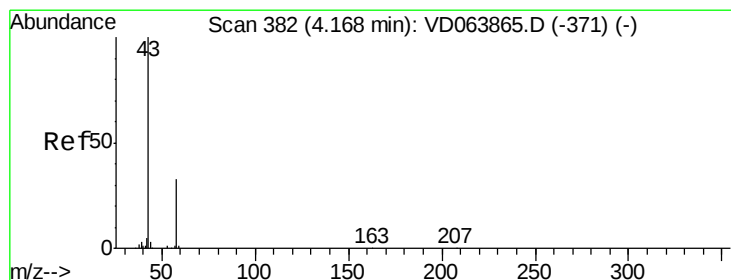
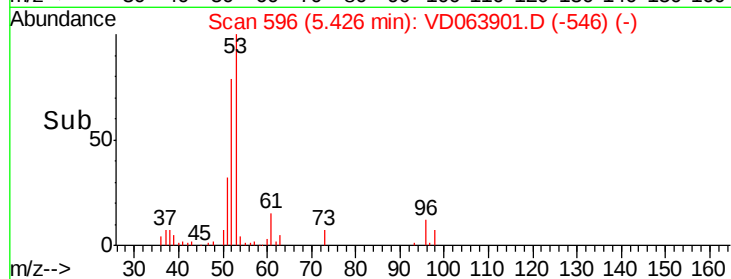
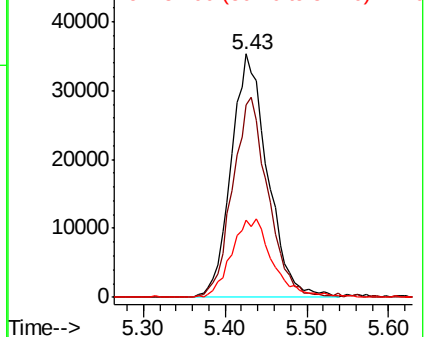
53 100

52 79.8 67.3 100.9

51 36.0 30.5 45.7



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



#16

Acetone

Concen: 268.794 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063901.D

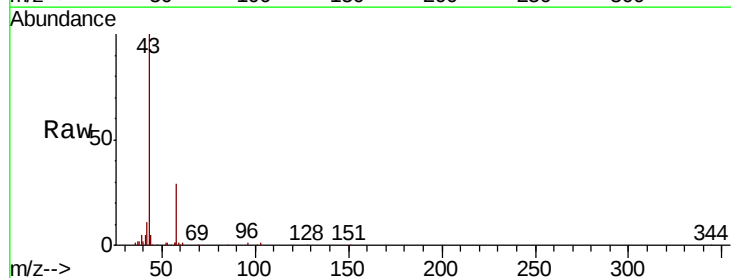
Acq: 10 Oct 2019 10:44

Tgt Ion: 43 Resp: 140573

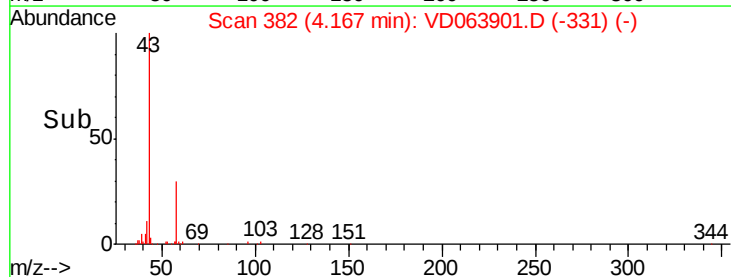
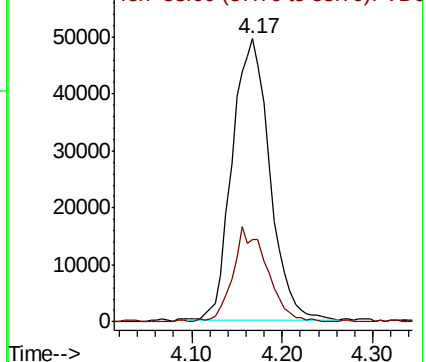
Ion Ratio Lower Upper

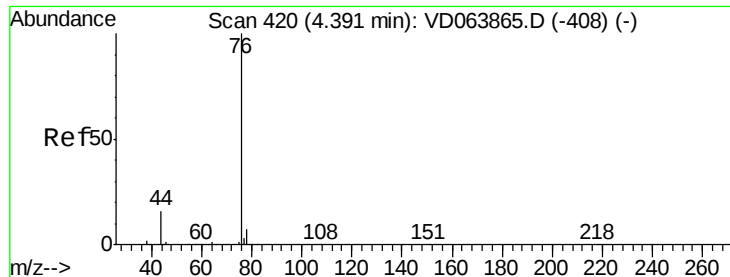
43 100

58 29.5 26.2 39.4



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

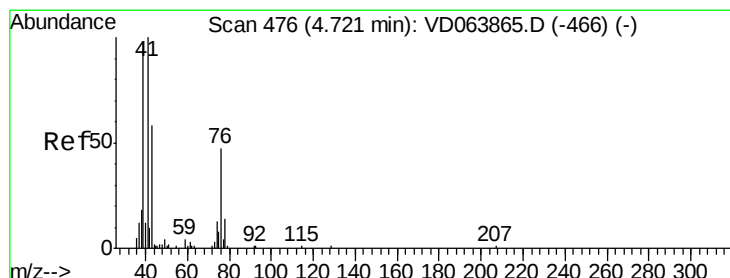
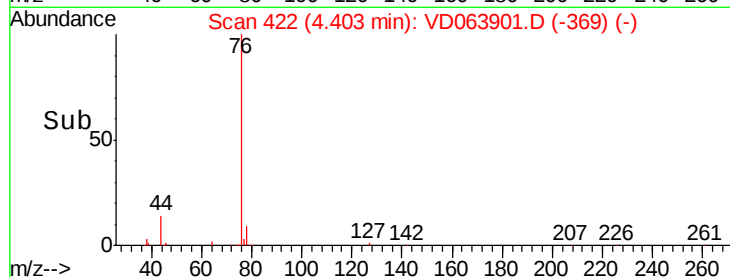
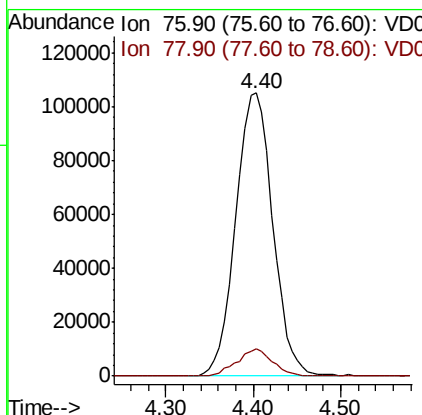
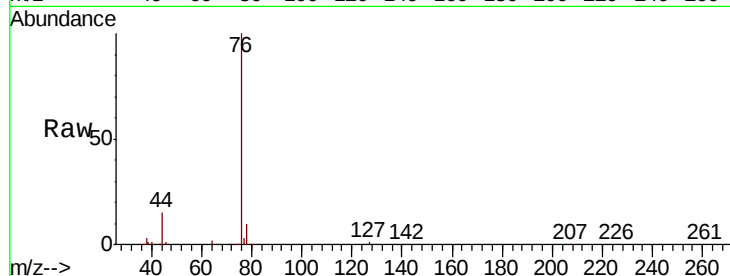




#17
Carbon Disulfide
Concen: 48.213 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

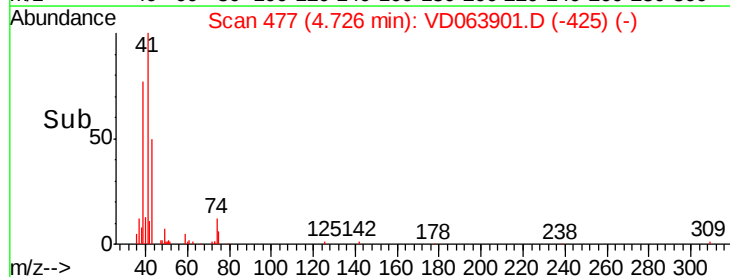
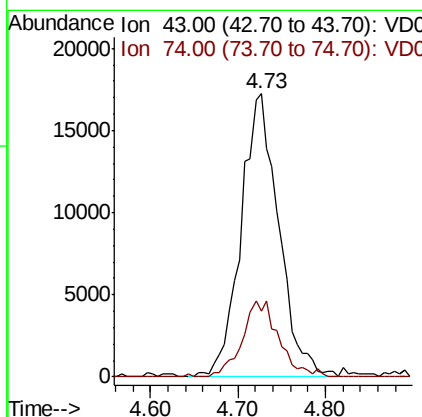
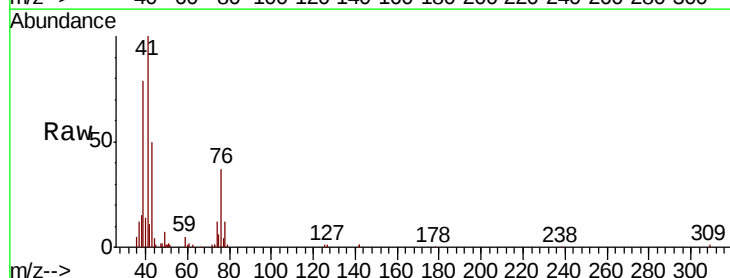
Instrument :
MSVOA_D
ClientSampleId :

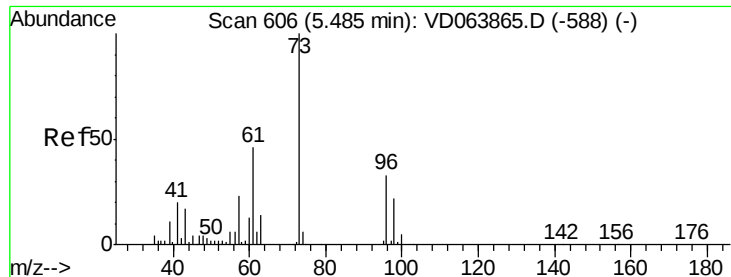
Tot Ion: 76 Resp: 303048
Ion Ratio Lower Upper
76 100
78 9.6 5.8 8.8#



#18
Methyl Acetate
Concen: 49.428 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 43 Resp: 50559
Ion Ratio Lower Upper
43 100
74 26.0 20.8 31.2

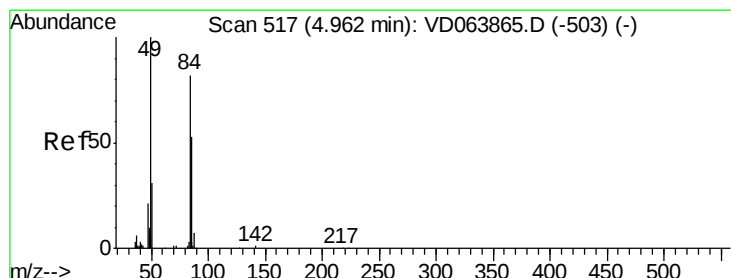
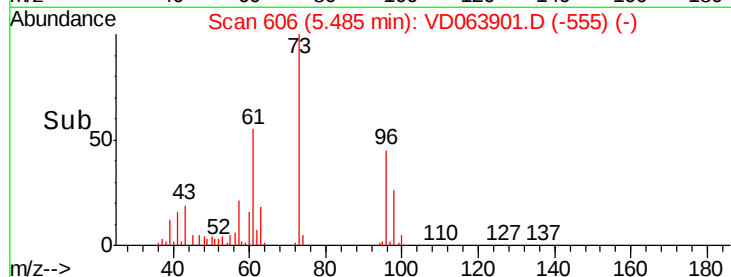
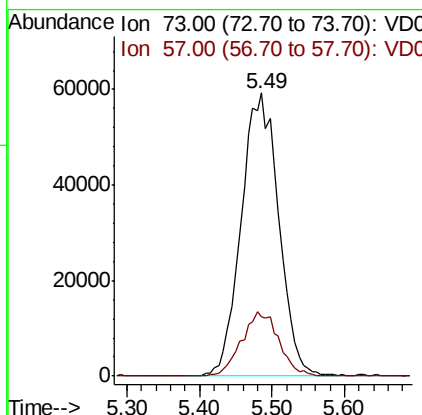
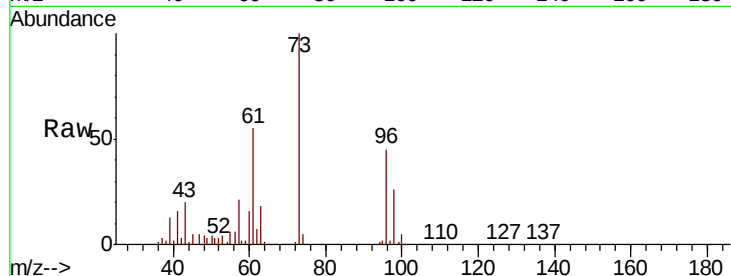




#19
Methvl tert-butvl Ether
Concen: 47.647 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

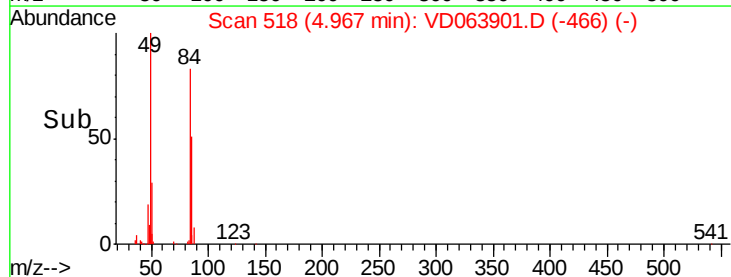
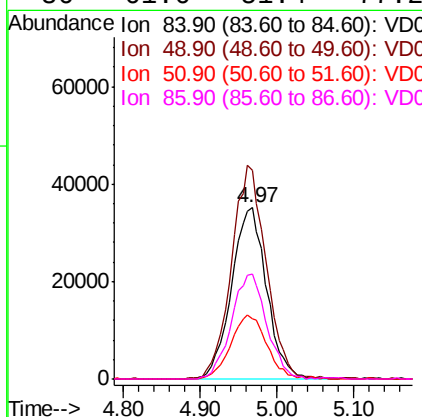
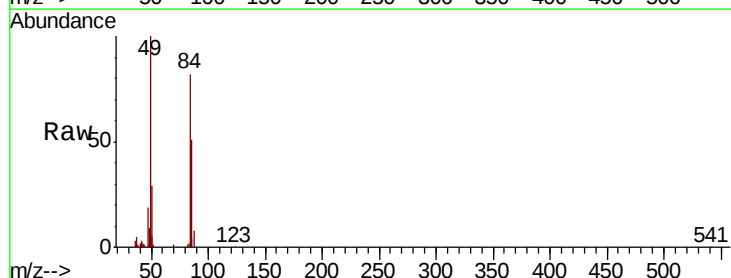
Instrument :
MSVOA_D
ClientSampleId :

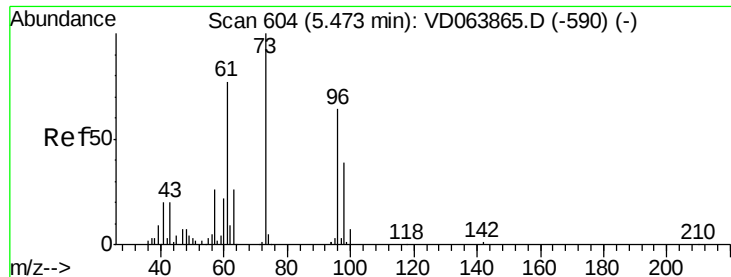
Tot Ion: 73 Resp: 213347
Ion Ratio Lower Upper
73 100
57 21.1 18.1 27.1



#20
Methylene Chloride
Concen: 48.031 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 84 Resp: 111731
Ion Ratio Lower Upper
84 100
49 121.9 97.3 145.9
51 35.0 30.1 45.1
86 61.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 52.206 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

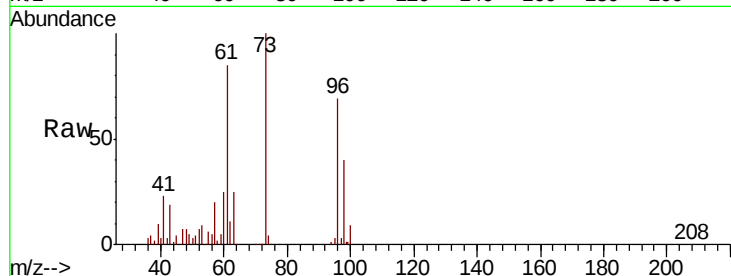
Tot Ion: 96 Resp: 112377

Ion Ratio Lower Upper

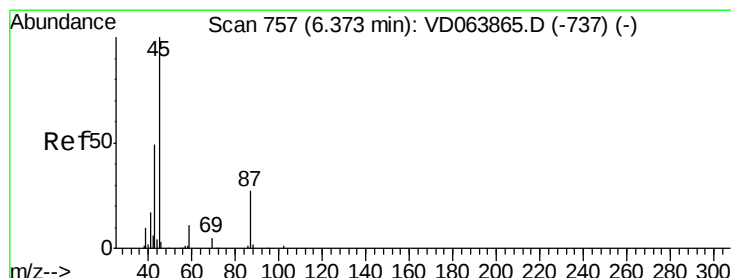
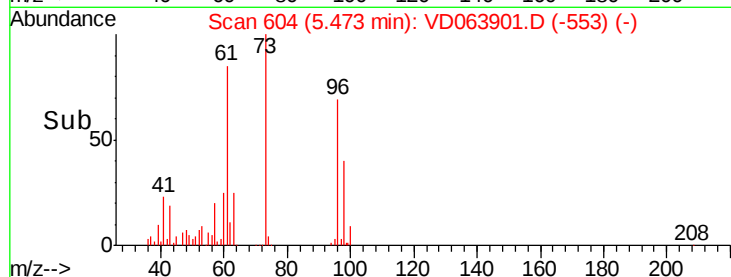
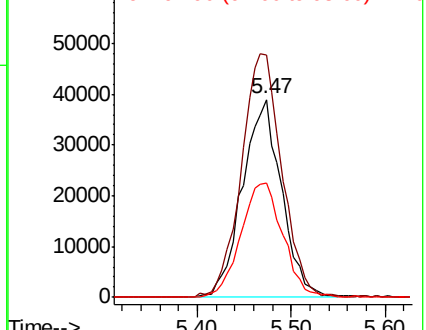
96 100

61 122.5 96.6 145.0

98 58.1 48.7 73.1



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



#22

Diisopropyl ether

Concen: 49.729 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tgt Ion: 45 Resp: 291975

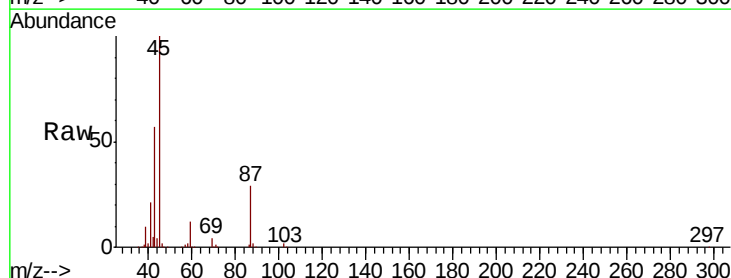
Ion Ratio Lower Upper

45 100

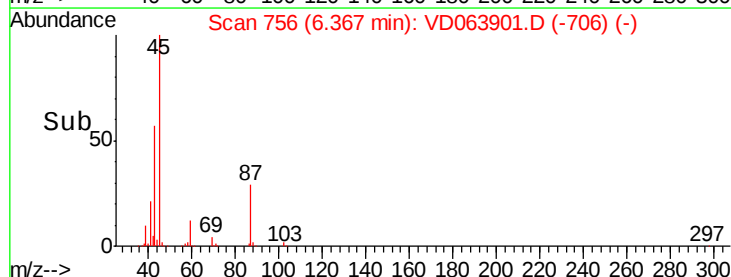
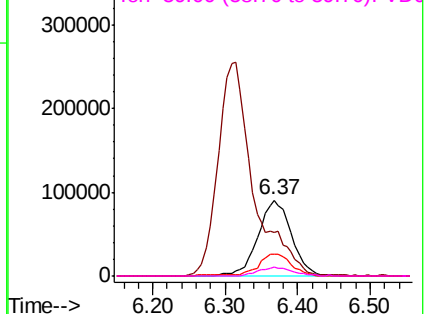
43 56.0 41.2 61.8

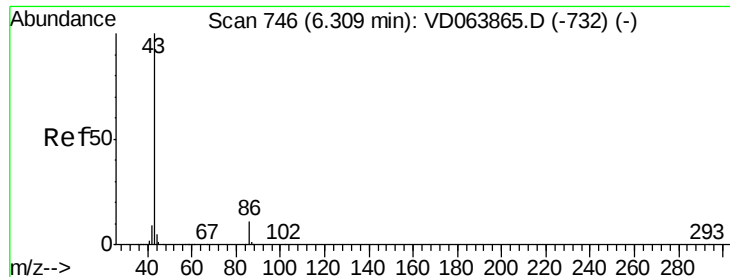
87 28.4 22.2 33.4

59 11.5 9.2 13.8



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





#23

Vinyl Acetate

Concen: 248.987 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

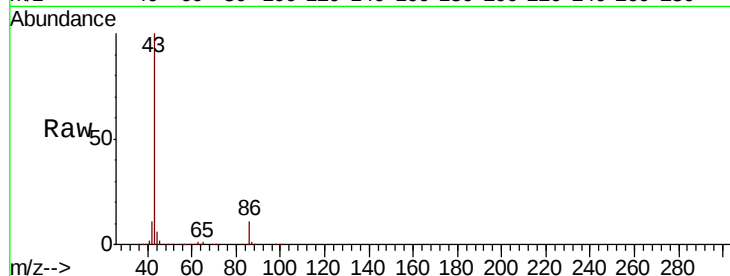
ClientSampled :

Tot Ion: 43 Resp: 869658

Ion Ratio Lower Upper

43 100

86 11.4 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

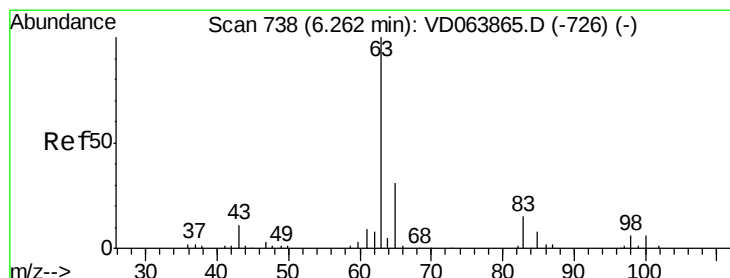
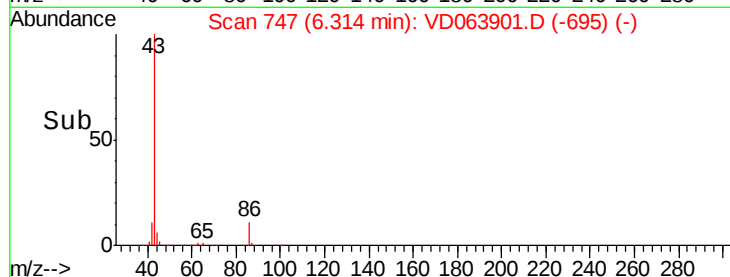
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.514 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

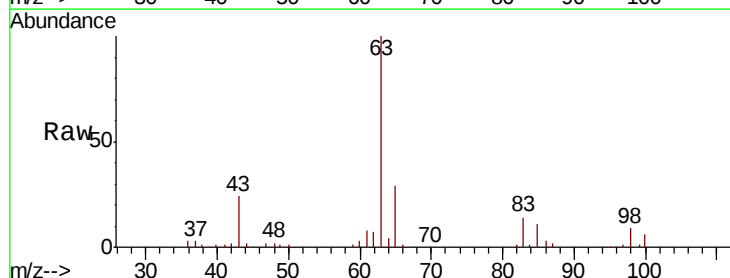
Tgt Ion: 63 Resp: 182684

Ion Ratio Lower Upper

63 100

98 8.9 3.1 9.4

100 6.4 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

80000

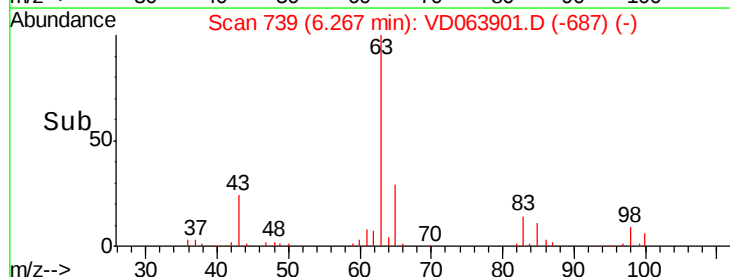
60000

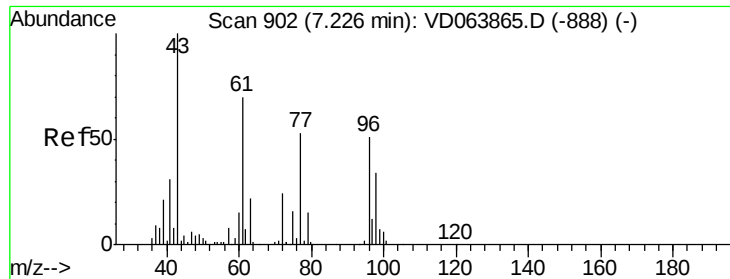
40000

20000

0

Time-->





#25

2-Butanone

Concen: 254.579 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

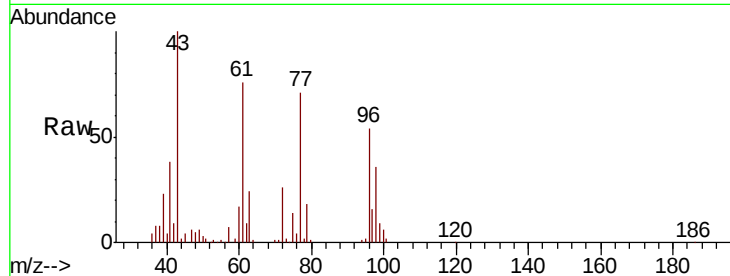
ClientSampleId :

Tot Ion: 43 Resp: 157784

Ion Ratio Lower Upper

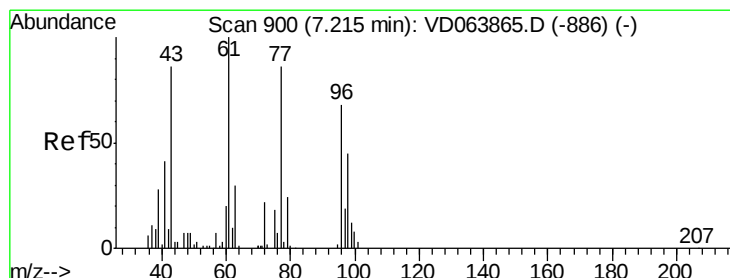
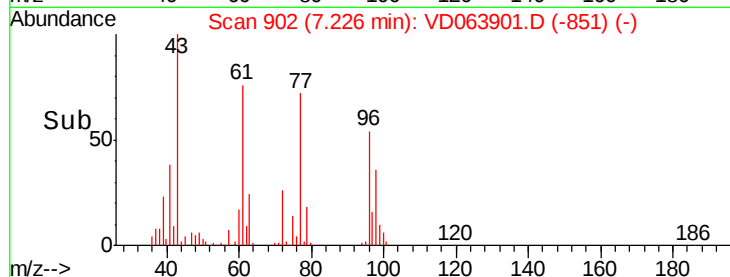
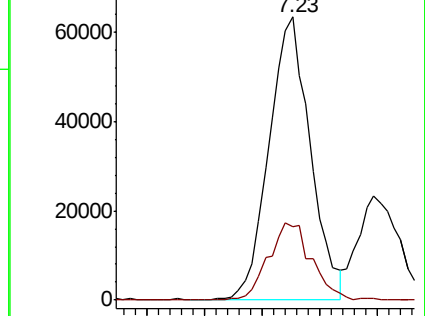
43 100

72 25.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.316 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063901.D

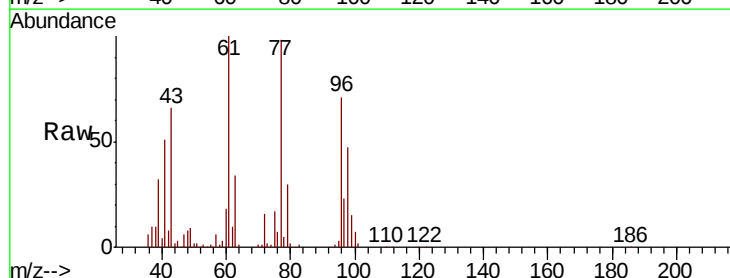
Acq: 10 Oct 2019 10:44

Tgt Ion: 77 Resp: 174420

Ion Ratio Lower Upper

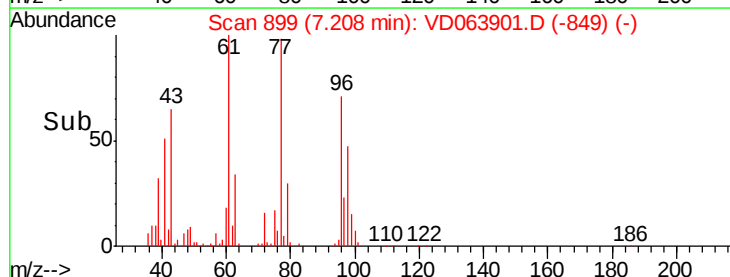
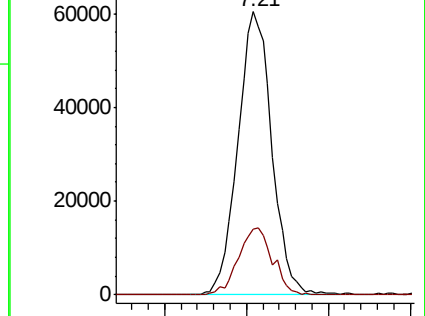
77 100

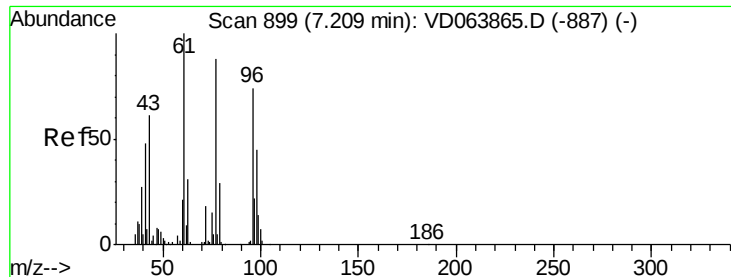
97 23.8 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



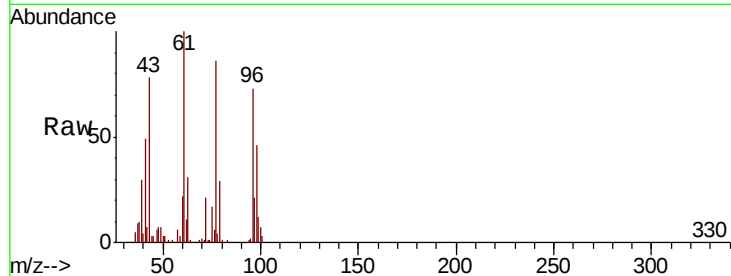


#27

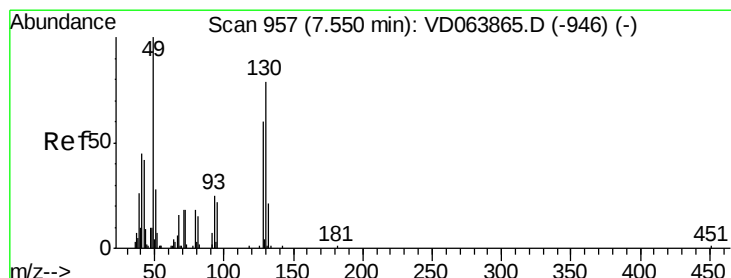
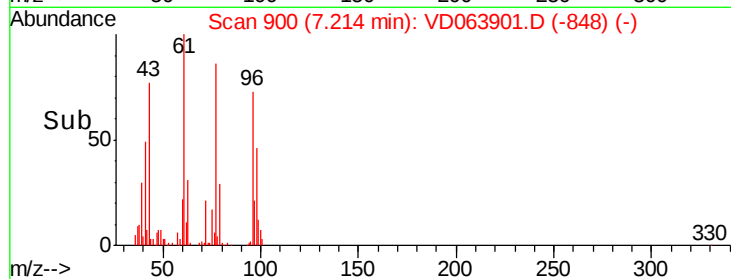
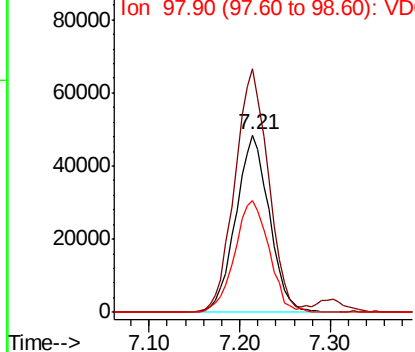
cis-1,2-Dichloroethene
Concen: 51.217 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	280.0
98	64.3	0.0	130.4



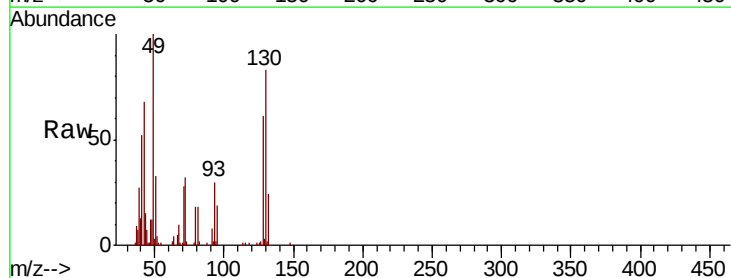
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



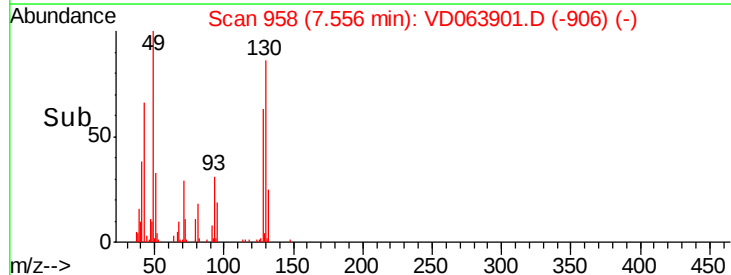
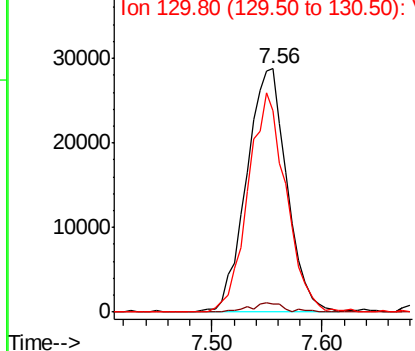
#28

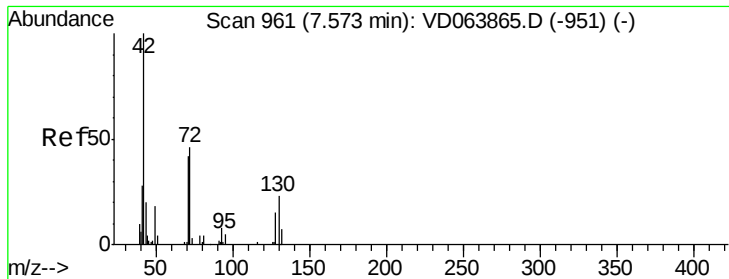
Bromochloromethane
Concen: 53.510 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	85.1	66.8	100.2



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

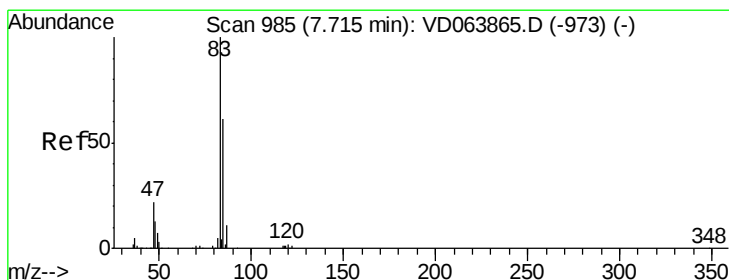
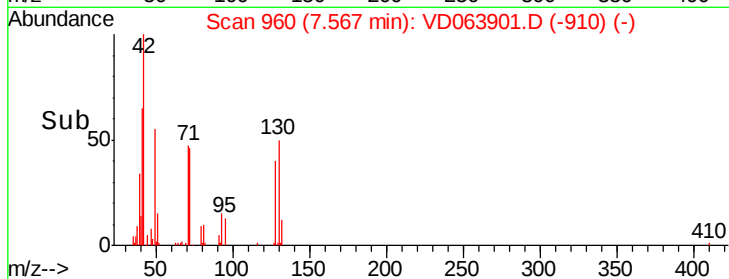
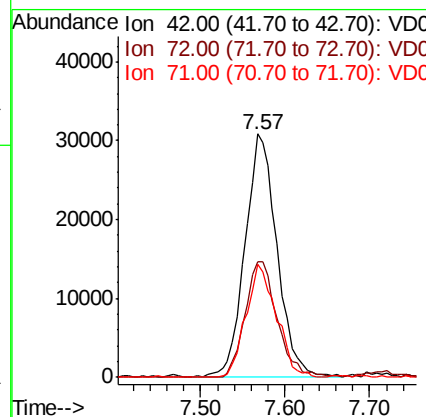
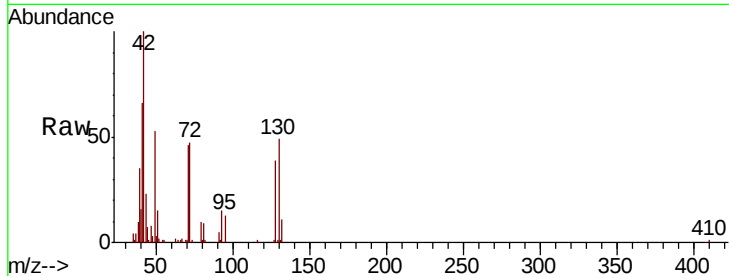




#29
Tetrahydrofuran
Concen: 224.685 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

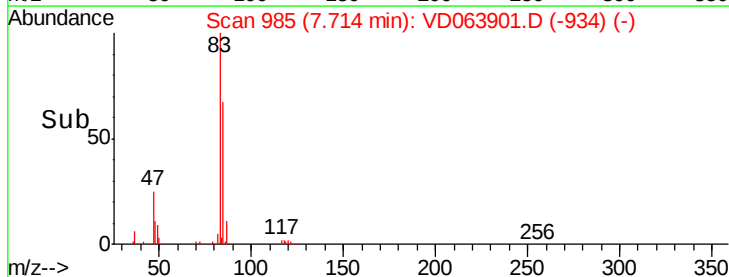
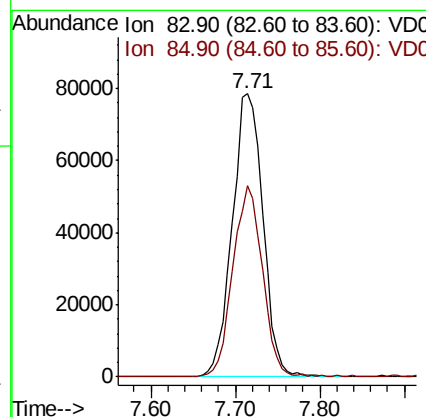
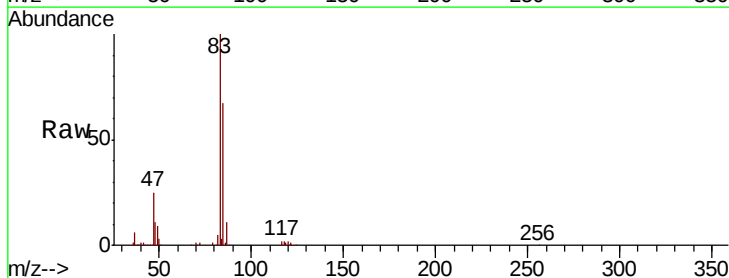
Instrument :
MSVOA_D
ClientSampleId :

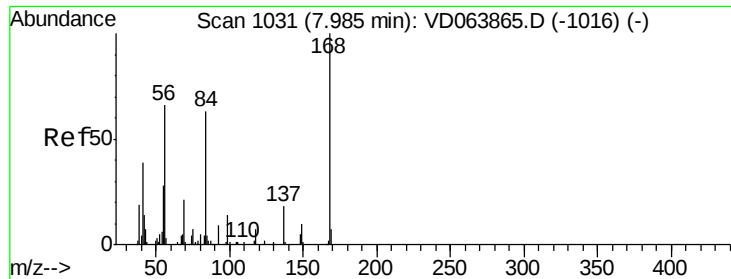
Tot Ion: 42 Resp: 81281
Ion Ratio Lower Upper
42 100
72 47.8 37.6 56.4
71 44.0 35.0 52.6



#30
Chloroform
Concen: 50.019 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 83 Resp: 196472
Ion Ratio Lower Upper
83 100
85 67.4 48.9 73.3

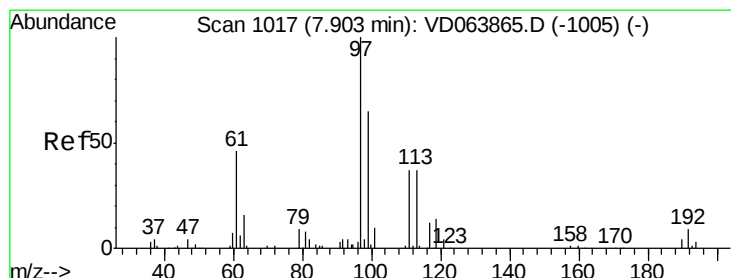
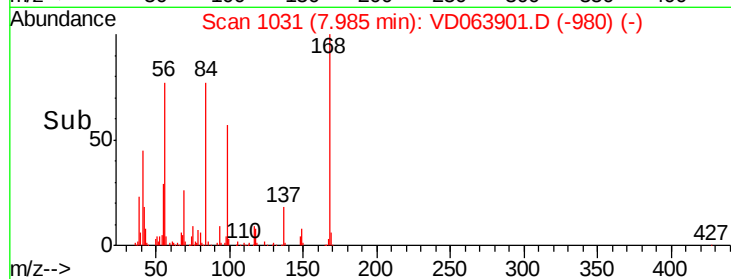
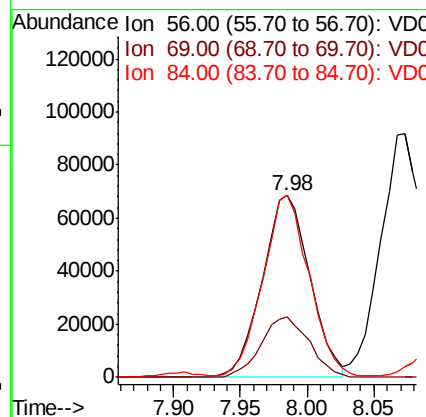
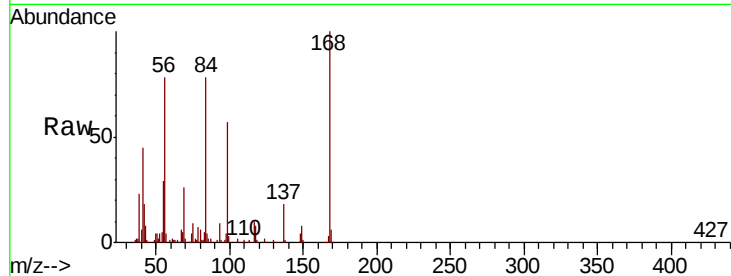




#31
Cyclohexane
Concen: 57.483 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

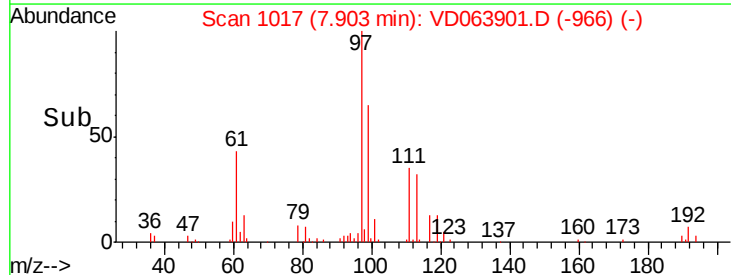
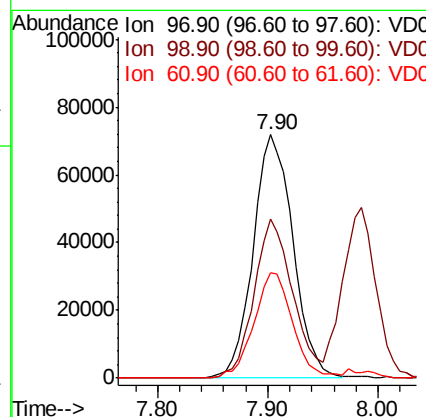
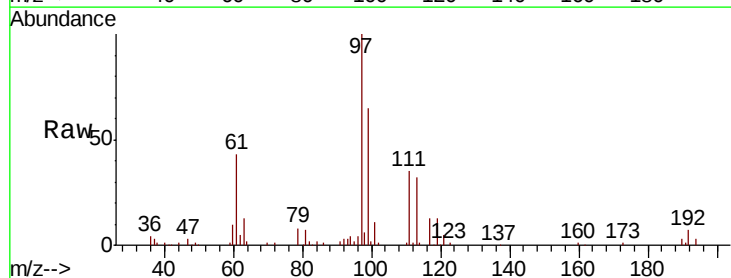
Instrument :
MSVOA_D
ClientSampled :

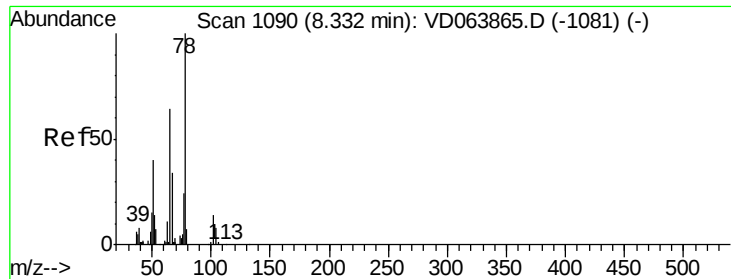
Tot Ion: 56 Resp: 170090
Ion Ratio Lower Upper
56 100
69 32.4 25.0 37.4
84 98.4 76.3 114.5



#32
1,1,1-Trichloroethane
Concen: 53.979 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 97 Resp: 181879
Ion Ratio Lower Upper
97 100
99 63.7 52.4 78.6
61 42.3 33.8 50.8

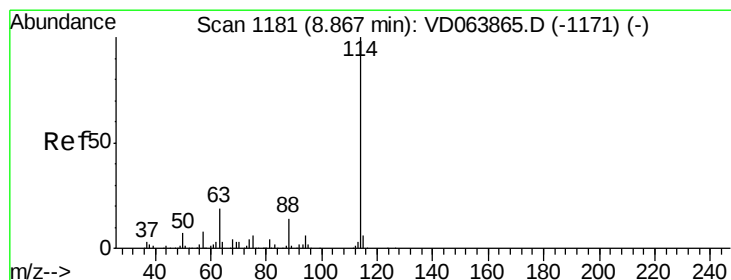
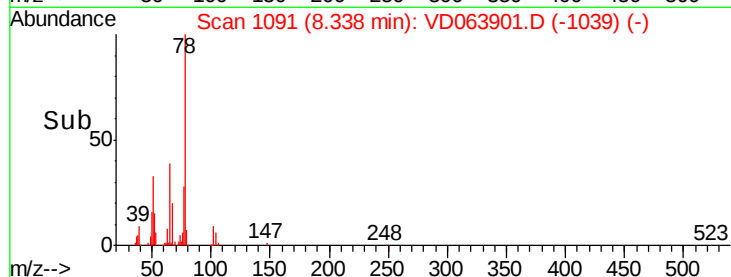
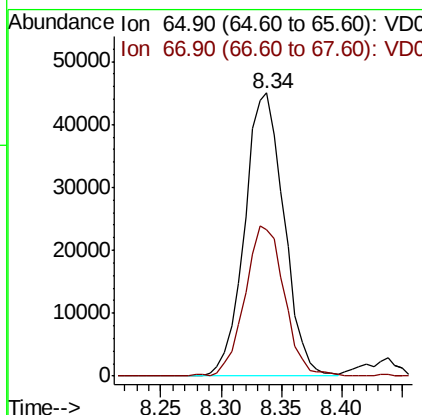
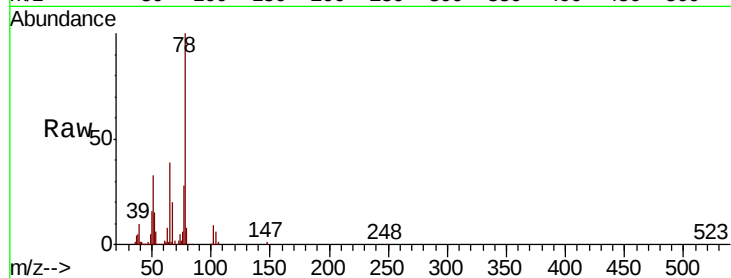




#33
 1,2-Dichloroethane-d4
 Concen: 50.888 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

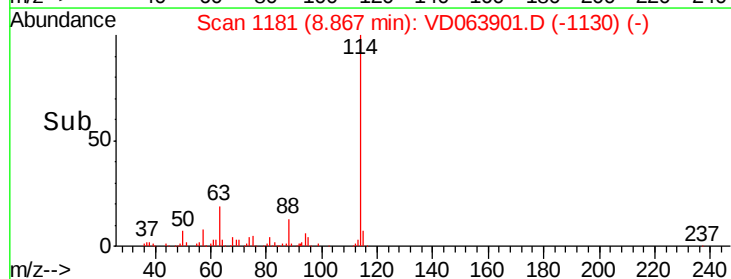
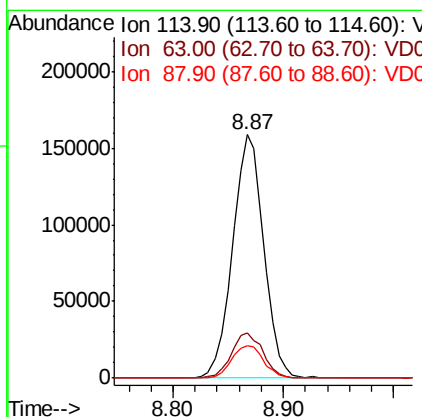
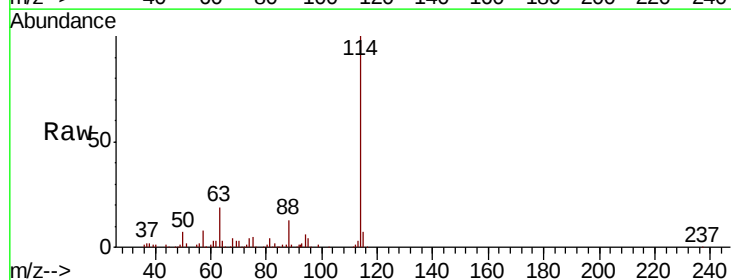
Instrument :
 MSVOA_D
 ClientSampled :

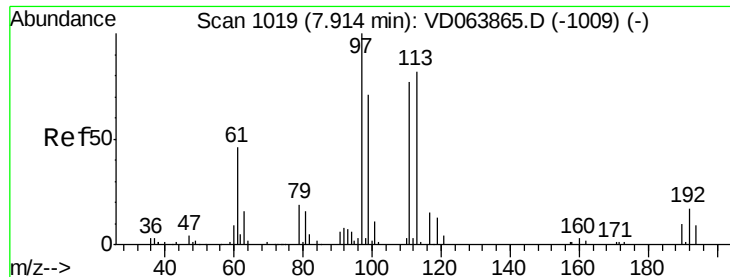
Tot Ion: 65 Resp: 102219
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion: 114 Resp: 313944
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.4
 88 13.3 0.0 27.4

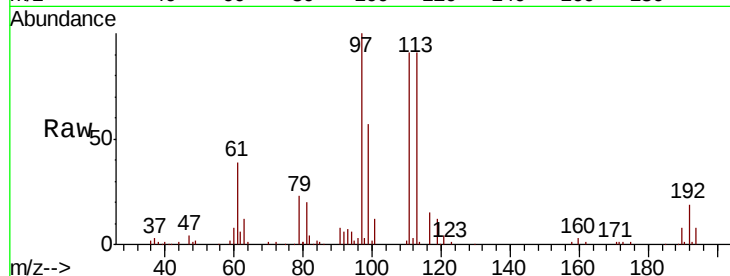




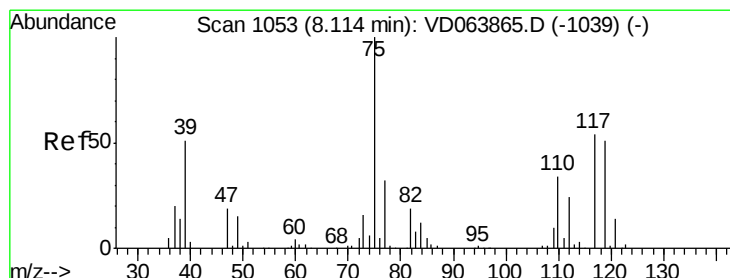
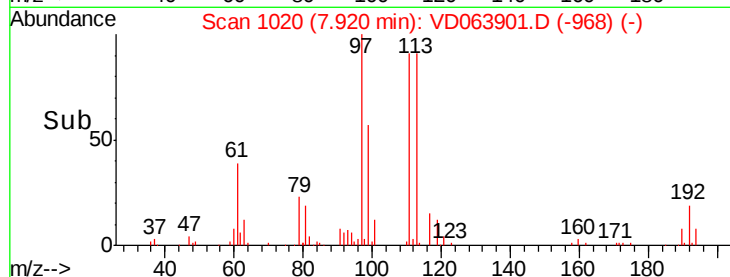
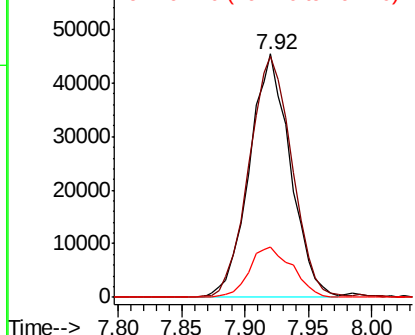
#35
Dibromofluoromethane
Concen: 53.176 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 102023
Ion Ratio Lower Upper
113 100
111 104.1 82.6 123.8
192 21.6 17.1 25.7

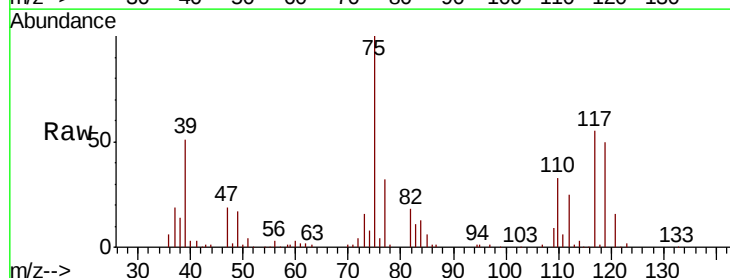


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

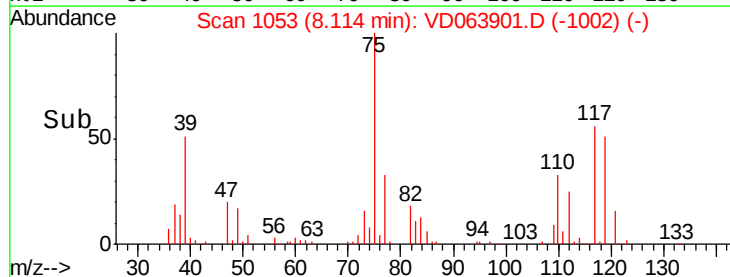
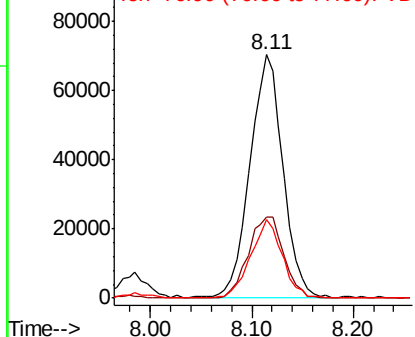


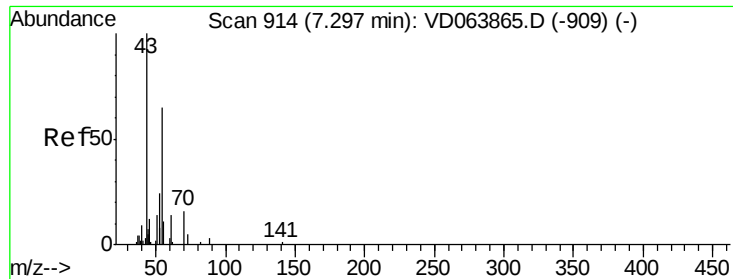
#36
1,1-Dichloropropene
Concen: 55.142 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 75 Resp: 158284
Ion Ratio Lower Upper
75 100
110 36.1 17.4 52.3
77 31.5 25.4 38.0



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

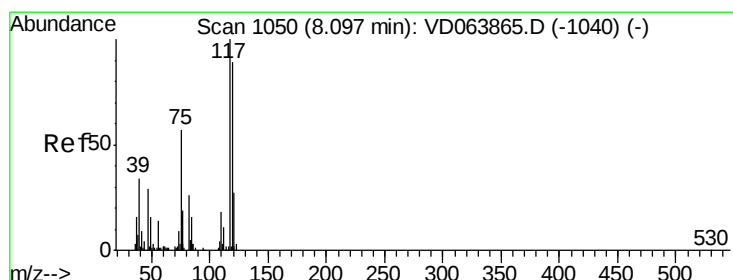
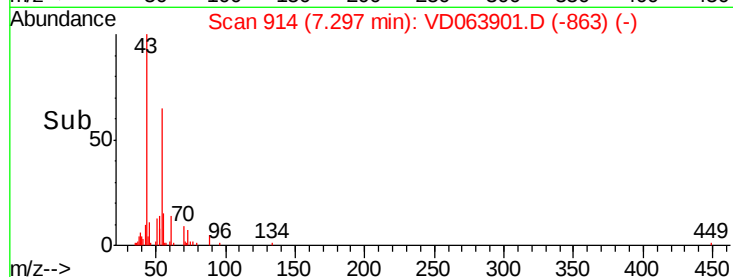
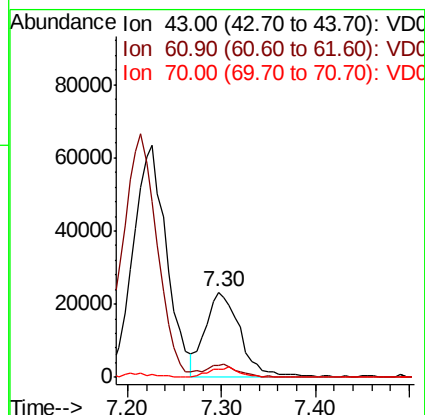
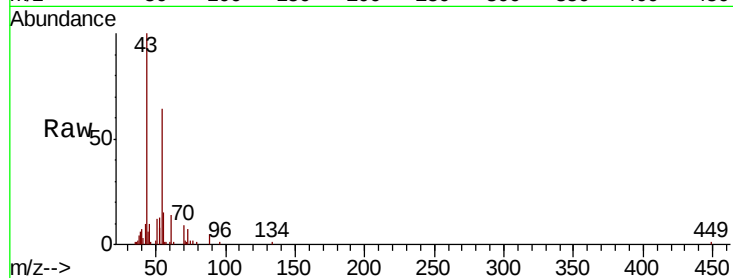




#37
Ethyl Acetate
Concen: 53.505 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

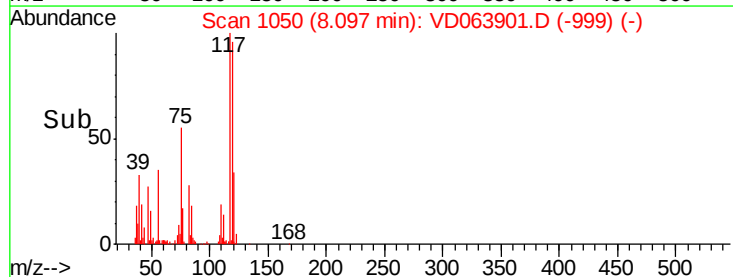
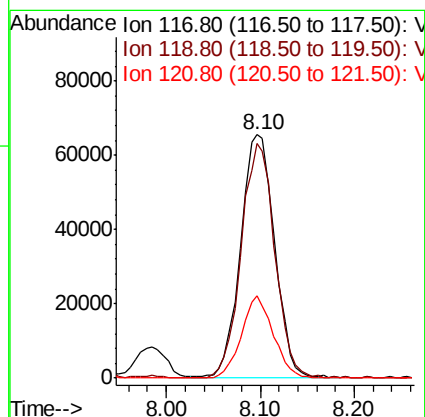
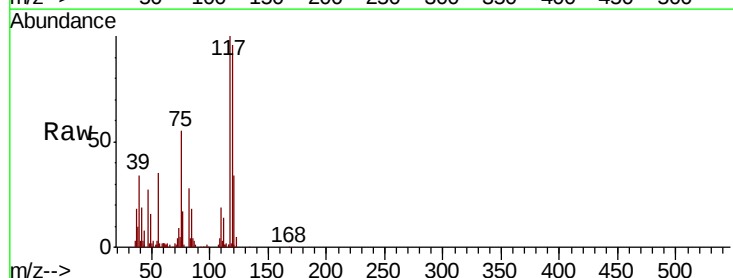
Instrument :
MSVOA_D
ClientSampled :

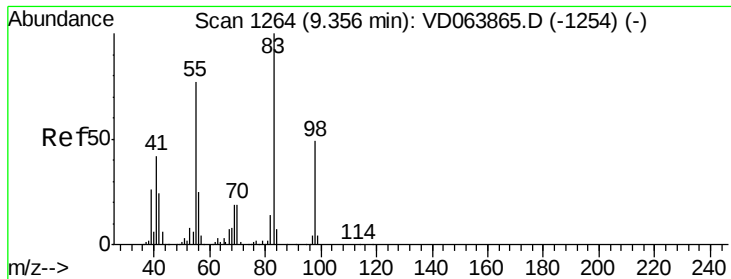
Tot Ion: 43 Resp: 61263
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 10.5 8.2 12.4



#38
Carbon Tetrachloride
Concen: 56.945 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 117 Resp: 165183
Ion Ratio Lower Upper
117 100
119 96.3 70.8 106.2
121 33.7 21.4 32.0#

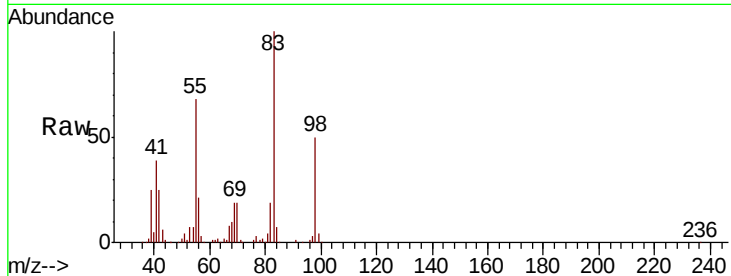




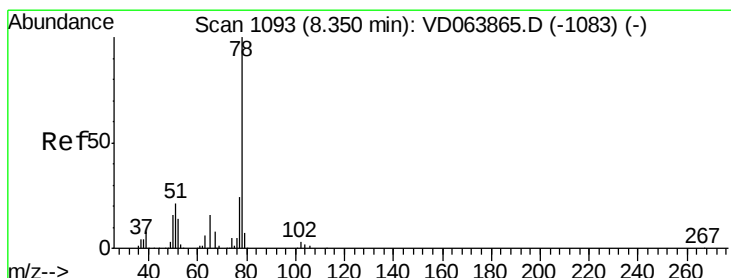
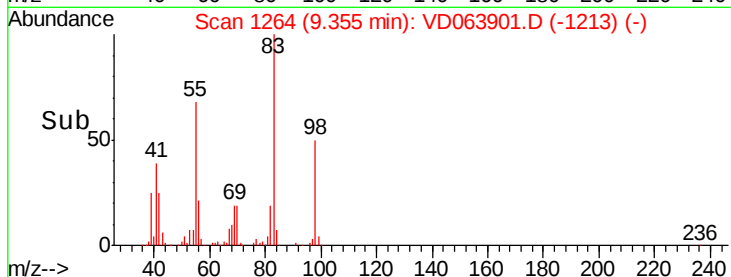
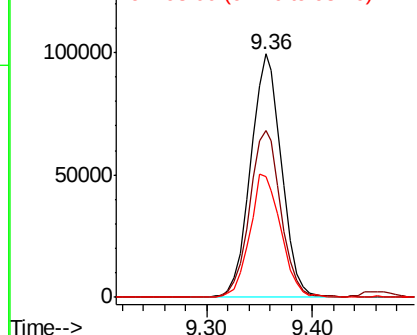
#39
Methvlcvclohexane
Concen: 57.266 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 202113
Ion Ratio Lower Upper
83 100
55 68.3 61.3 91.9
98 49.8 39.3 58.9

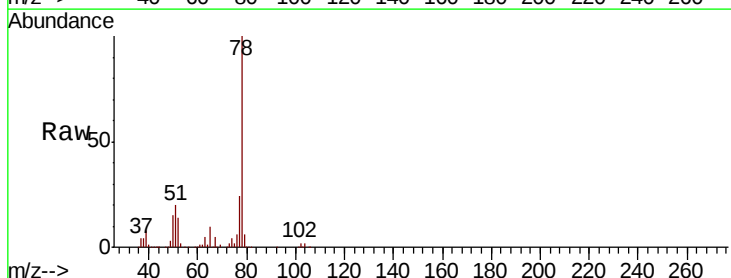


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

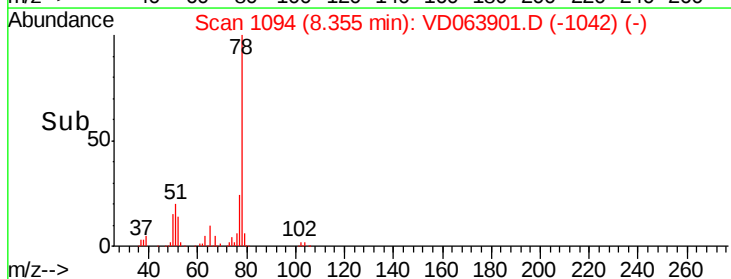
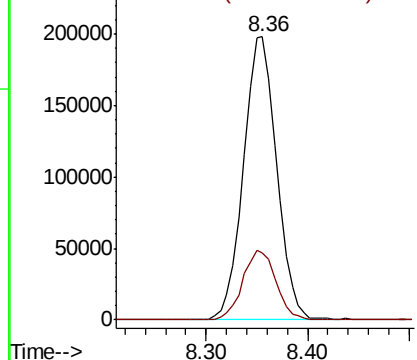


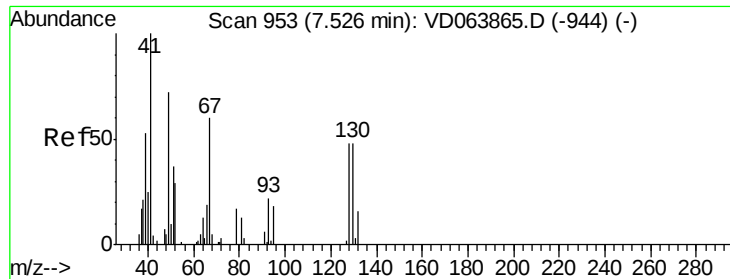
#40
Benzene
Concen: 54.718 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 78 Resp: 450104
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

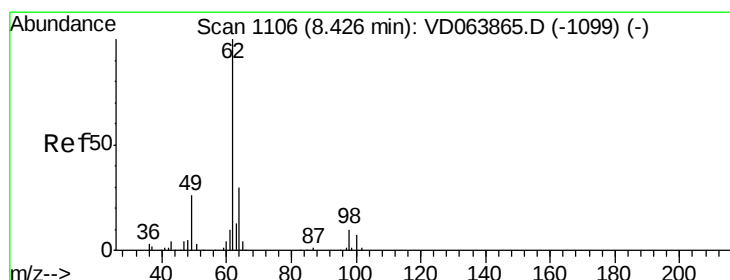
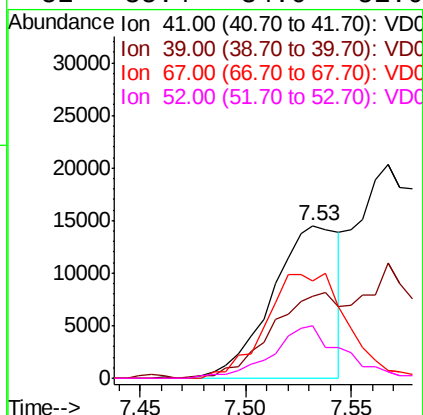
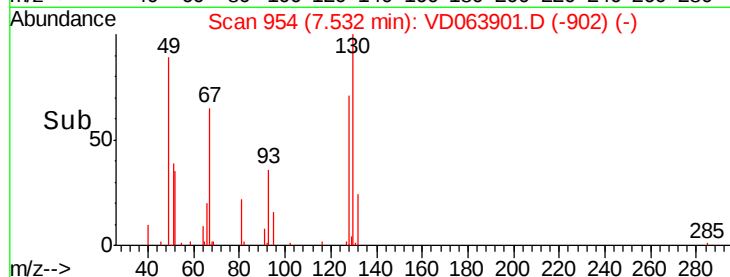
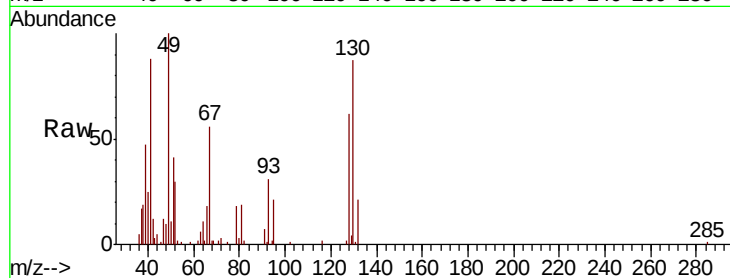




#41
Methacrylonitrile
Concen: 48.177 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

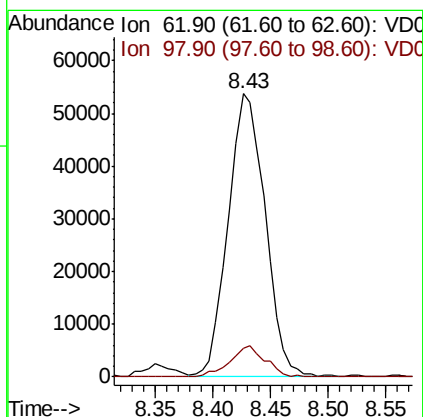
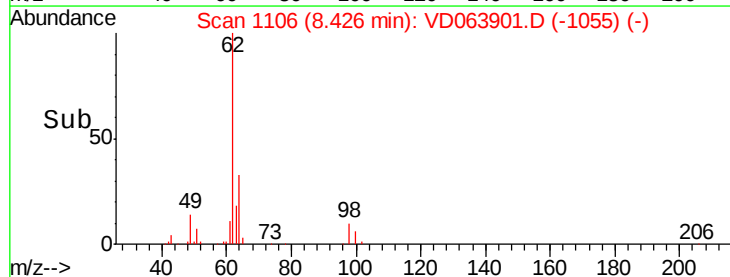
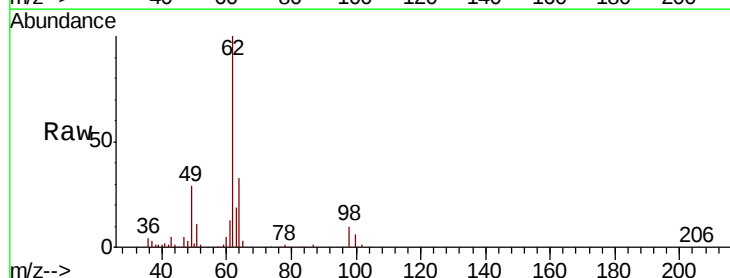
Instrument :
MSVOA_D
ClientSampleId :

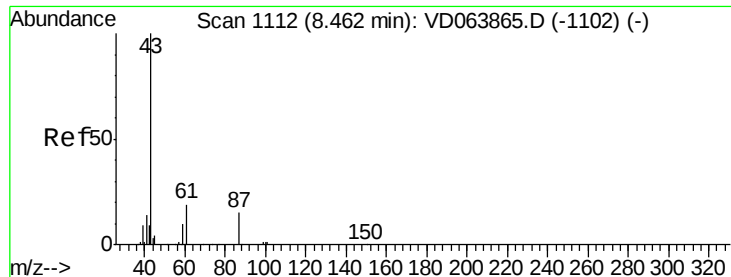
Tot Ion:	41	Resp:	32062
Ion	Ratio	Lower	Upper
41	100		
39	55.5	52.6	78.8
67	82.5	74.2	111.2
52	35.4	34.0	51.0



#42
1,2-Dichloroethane
Concen: 50.411 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion:	62	Resp:	119952
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.0





#43

Isopropyl Acetate

Concen: 48.197 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

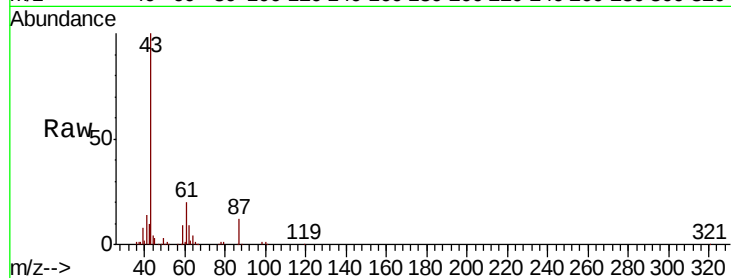
Tot Ion: 43 Resp: 116023

Ion Ratio Lower Upper

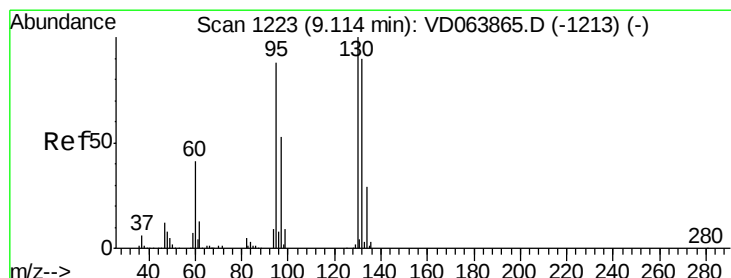
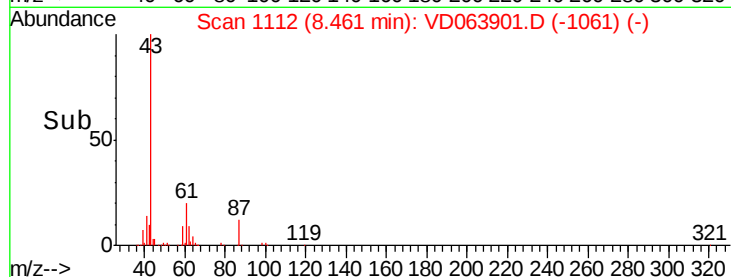
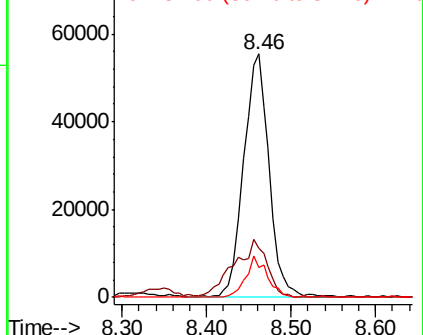
43 100

61 31.2 25.7 38.5

87 14.3 11.6 17.4



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: 54.439 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063901.D

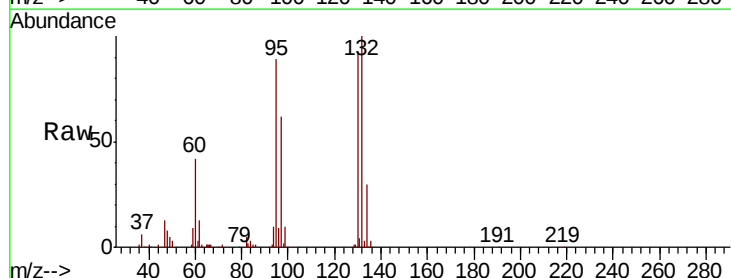
Acq: 10 Oct 2019 10:44

Tgt Ion:130 Resp: 129130

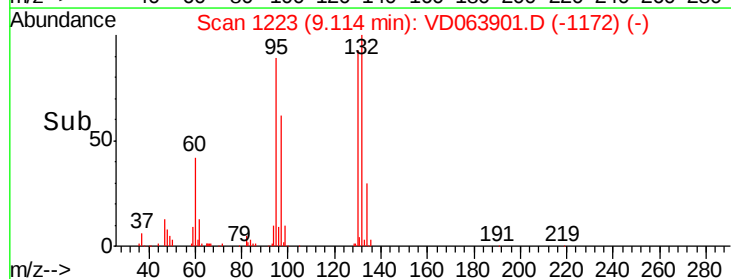
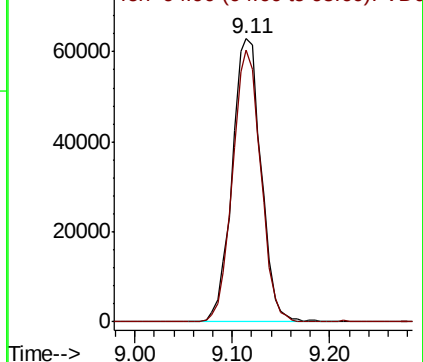
Ion Ratio Lower Upper

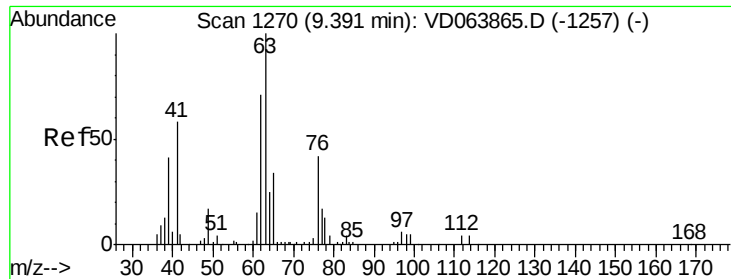
130 100

95 96.1 0.0 175.6



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





#45

1,2-Dichloropropane

Concen: 51.700 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

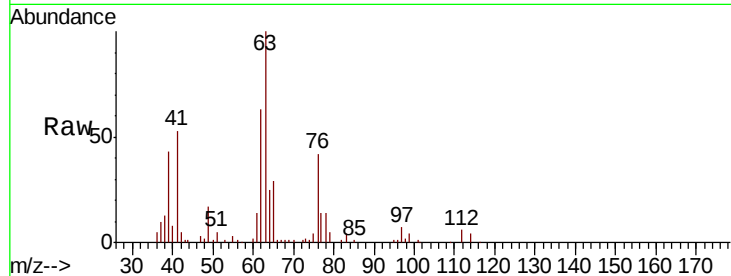
ClientSampled :

Tot Ion: 63 Resp: 104093

Ion Ratio Lower Upper

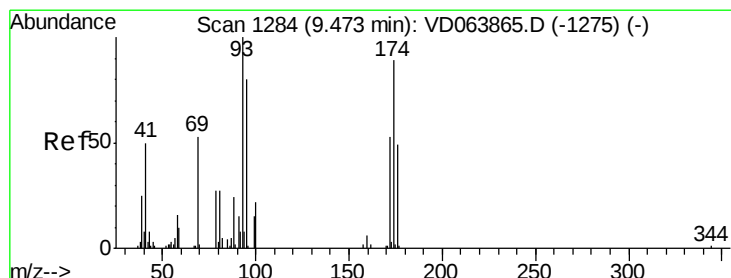
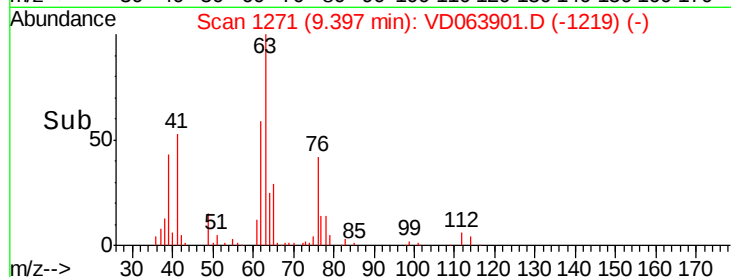
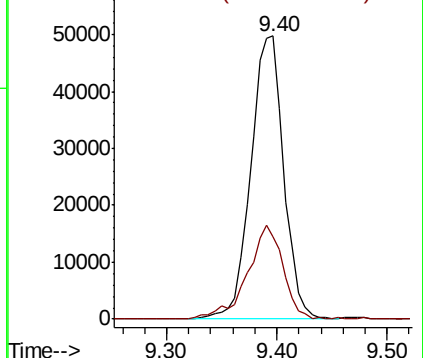
63 100

65 29.3 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 53.370 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

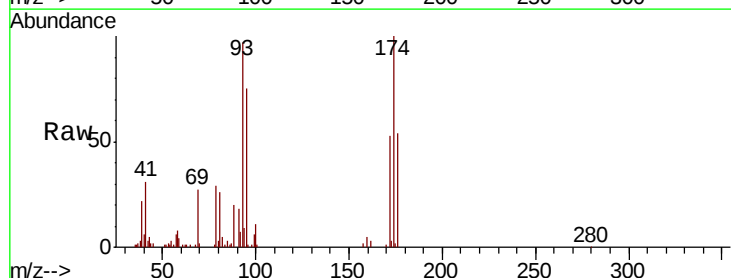
Tgt Ion: 93 Resp: 61197

Ion Ratio Lower Upper

93 100

95 82.6 66.0 99.0

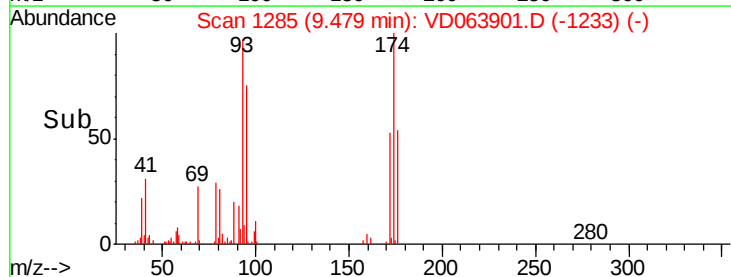
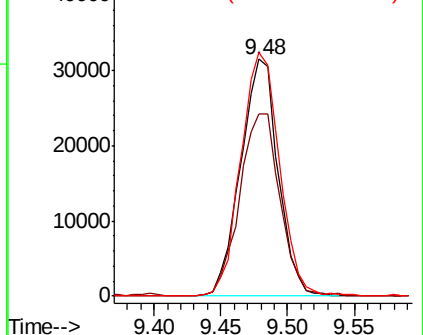
174 106.2 83.4 125.0

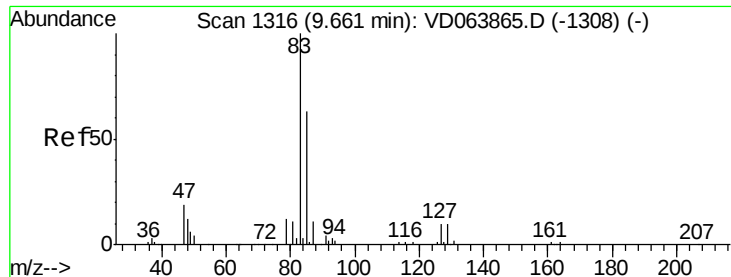


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.954 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

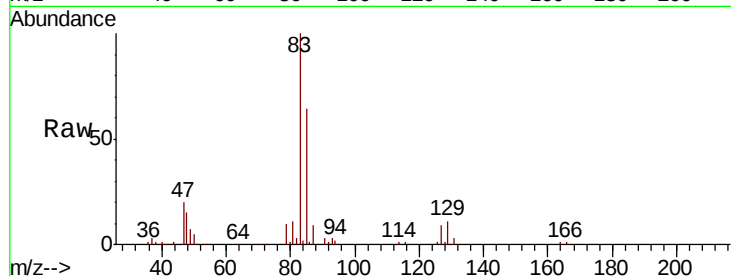
Tot Ion: 83 Resp: 156332

Ion Ratio Lower Upper

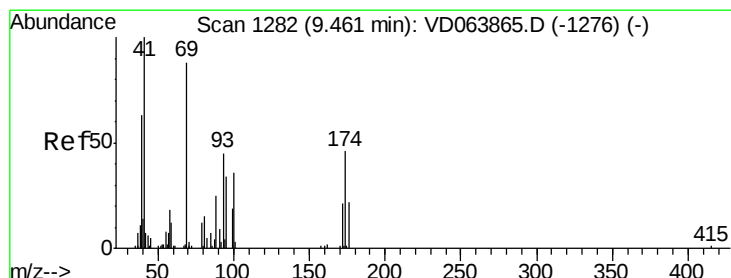
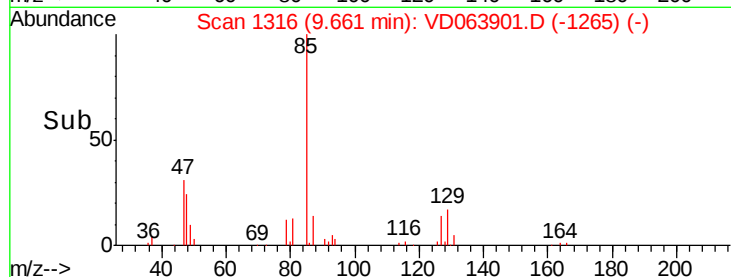
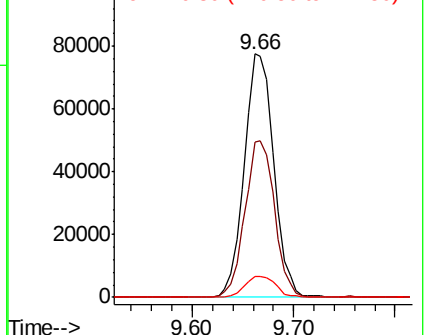
83 100

85 63.8 50.2 75.2

127 8.6 7.6 11.4



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: 47.568 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

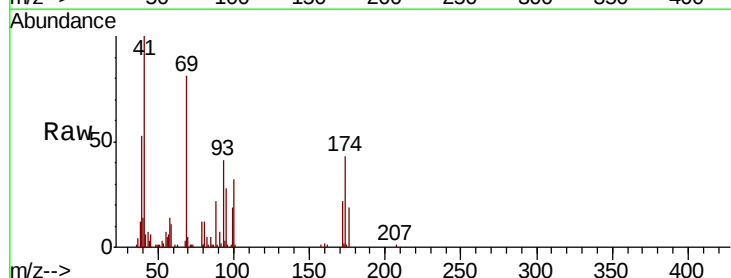
Tgt Ion: 41 Resp: 54865

Ion Ratio Lower Upper

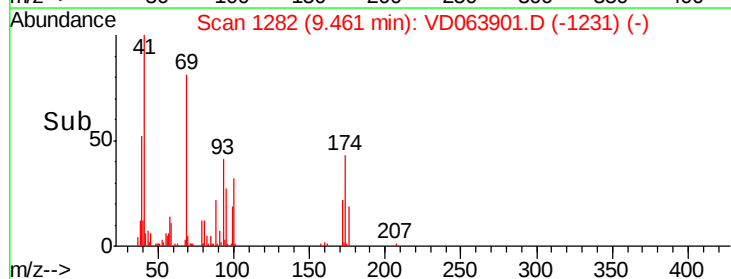
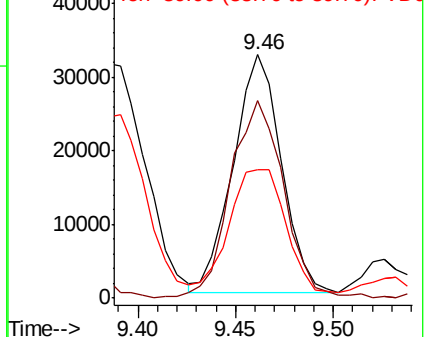
41 100

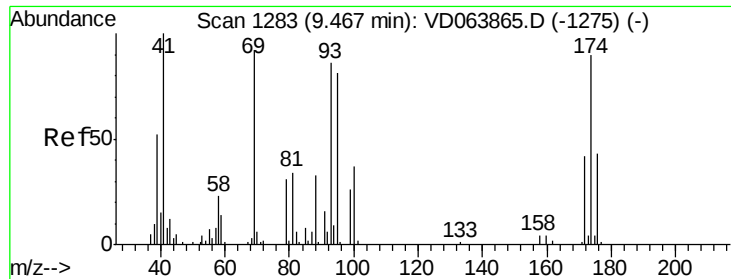
69 92.5 75.1 112.7

39 65.7 50.2 75.2



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

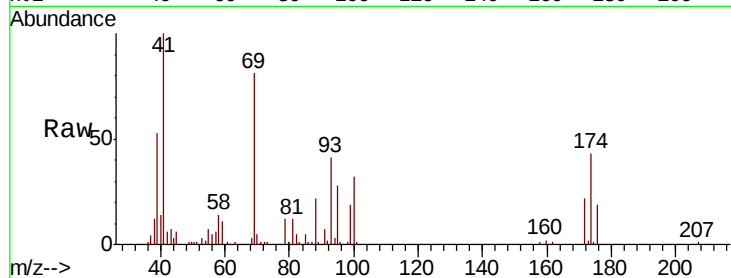




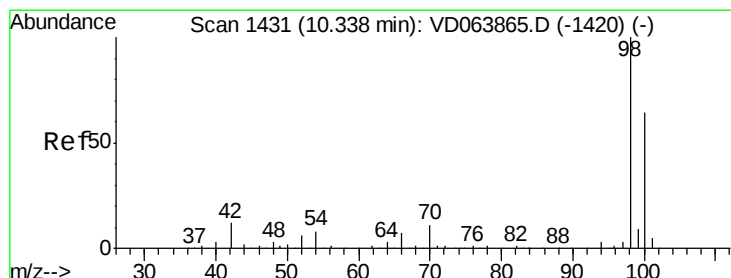
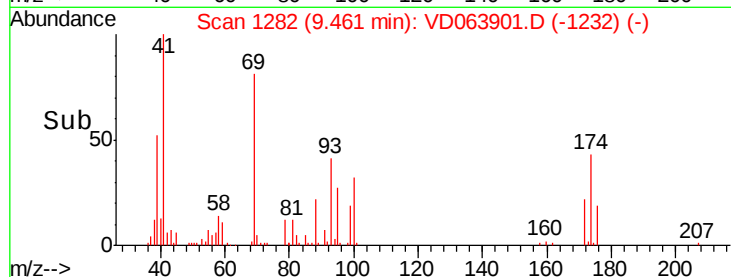
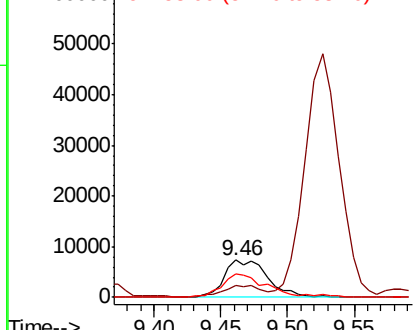
#49
1,4-Dioxane
Concen: 1057.699 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 16555
Ion Ratio Lower Upper
88 100
43 28.6 27.6 41.4
58 61.5 54.1 81.1

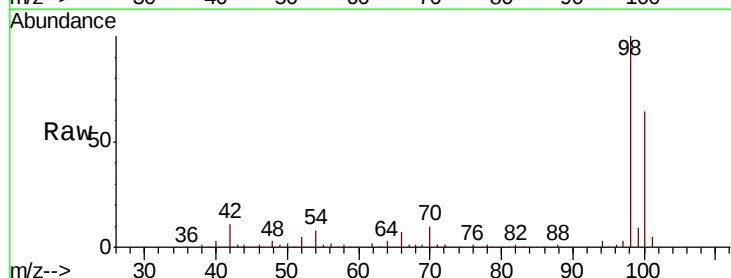


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

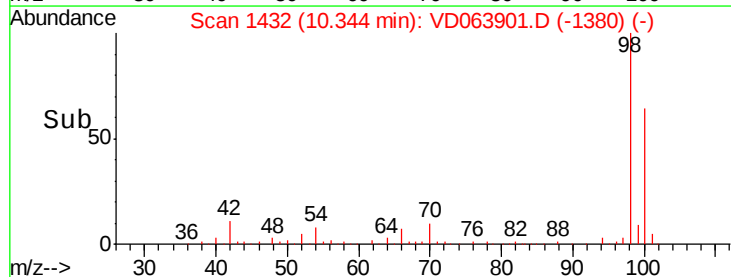
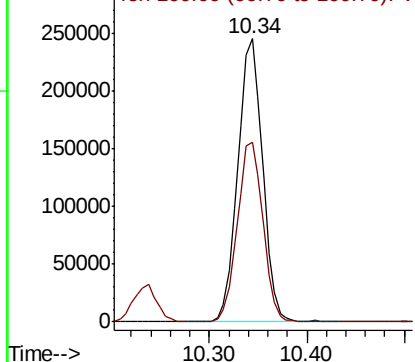


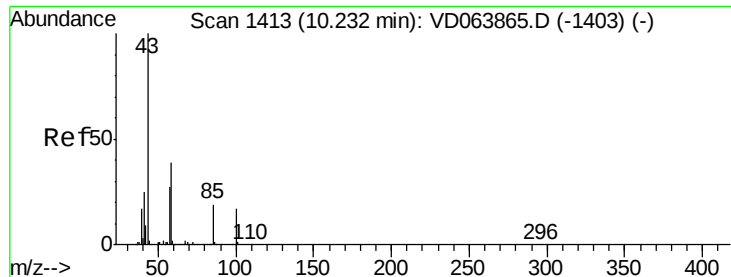
#50
Toluene-d8
Concen: 55.877 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 98 Resp: 435135
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



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: 241.154 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

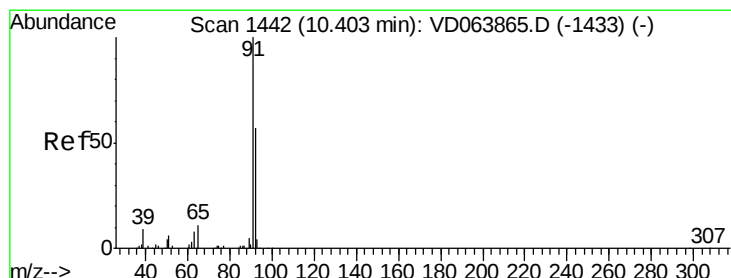
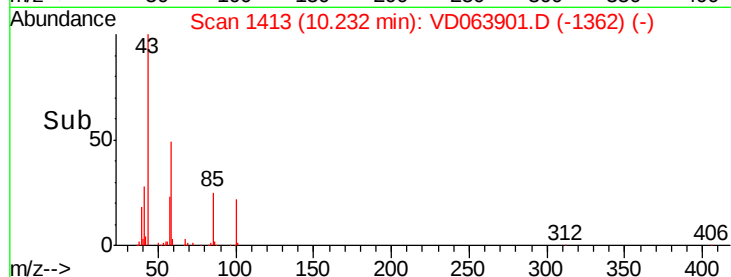
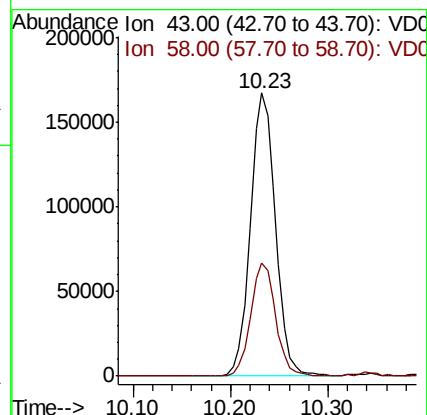
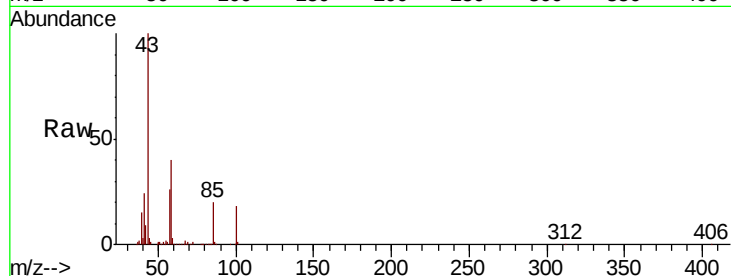
ClientSampleId :

Tot Ion: 43 Resp: 301073

Ion Ratio Lower Upper

43 100

58 39.7 33.0 49.4



#52

Toluene

Concen: 54.762 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063901.D

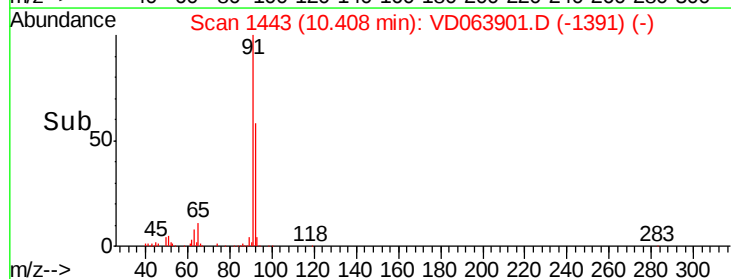
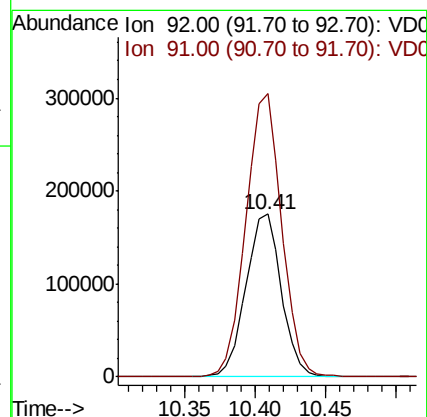
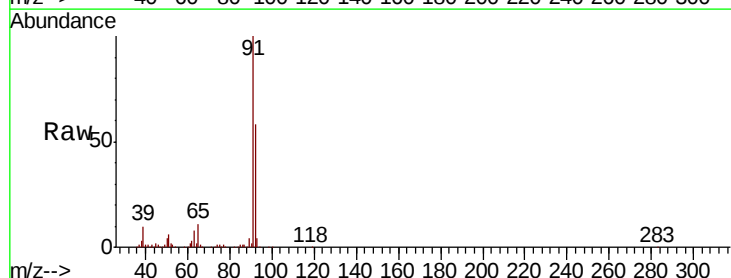
Acq: 10 Oct 2019 10:44

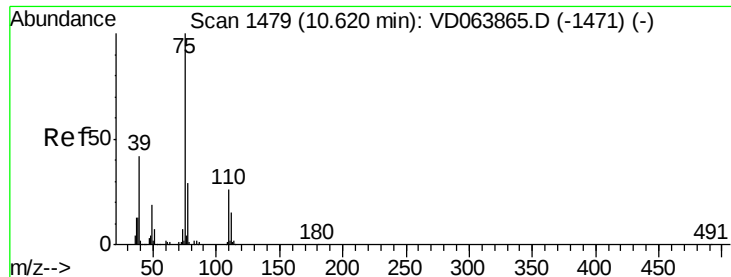
Tgt Ion: 92 Resp: 309239

Ion Ratio Lower Upper

92 100

91 175.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 54.162 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

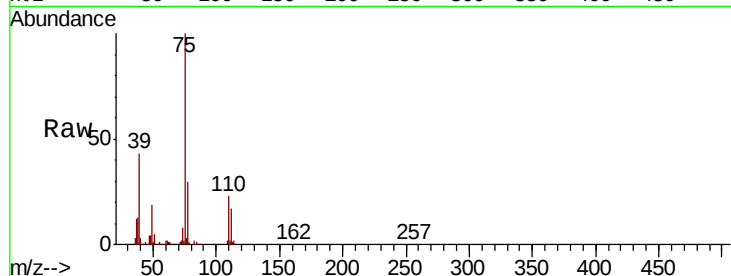
ClientSampled :

Tot Ion: 75 Resp: 156031

Ion Ratio Lower Upper

75 100

77 30.4 22.8 34.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

80000

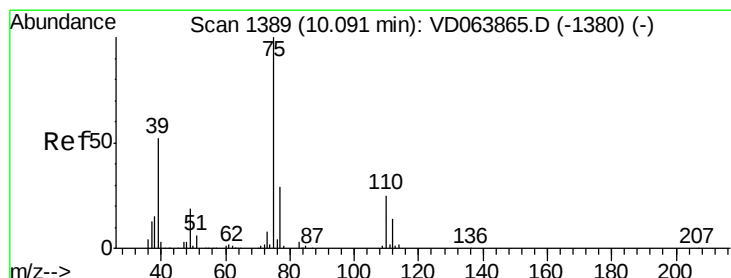
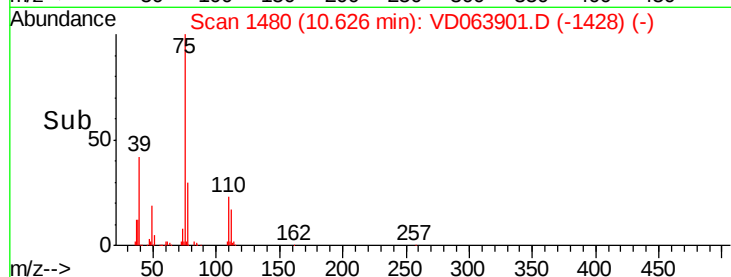
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.323 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

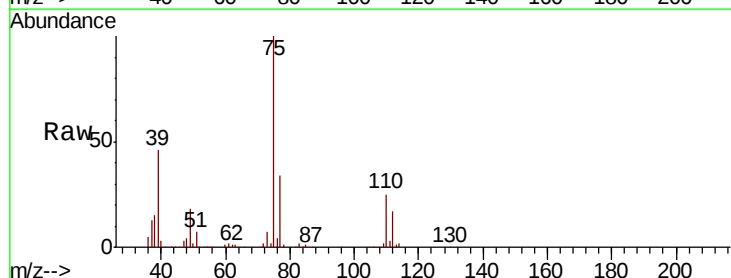
Tgt Ion: 75 Resp: 180145

Ion Ratio Lower Upper

75 100

77 33.5 23.2 34.8

39 46.0 41.5 62.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

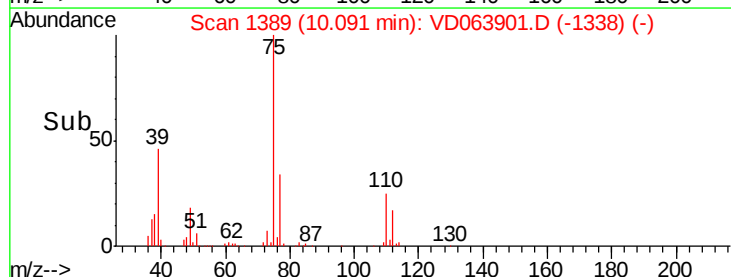
10.09

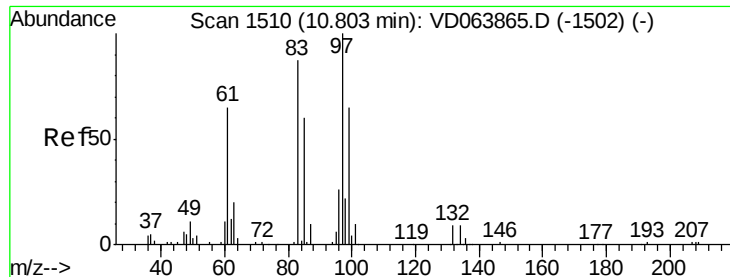
100000

50000

0

Time-->

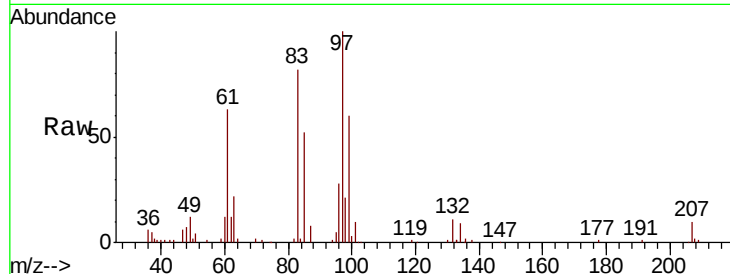




#55
 1,1,2-Trichloroethane
 Concen: 53.690 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	97	Resp	86926
Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.7	104.5
85	52.2	48.1	72.1
99	60.1	51.9	77.9



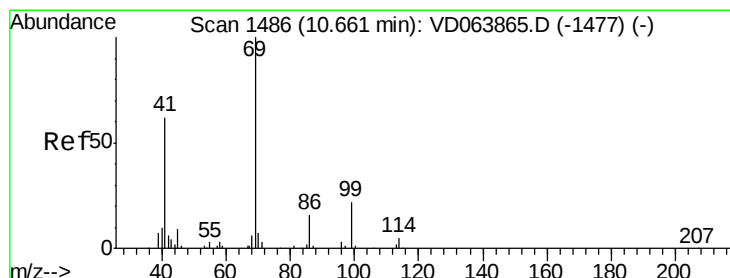
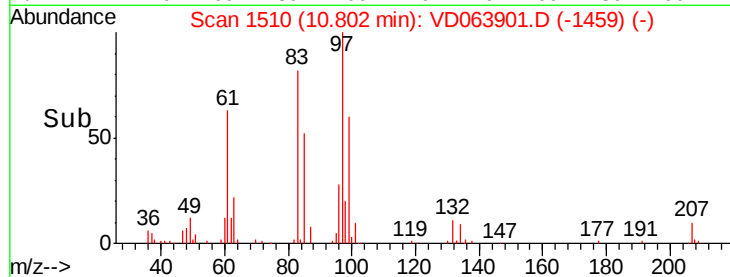
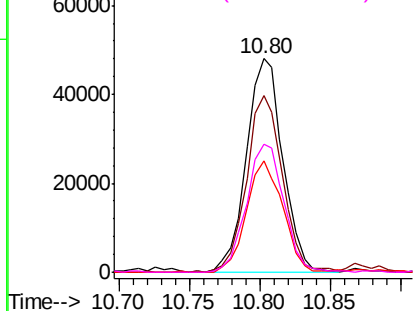
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

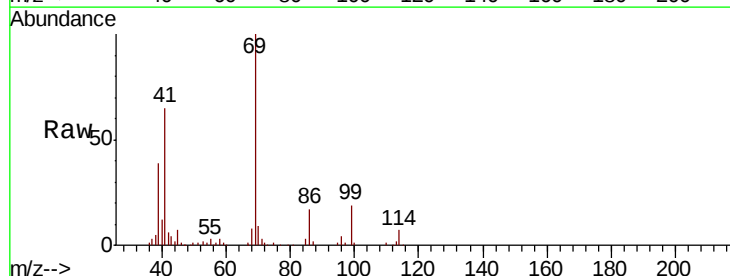
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 49.929 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion	69	Resp	102368
Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.3	76.9
39	39.9	28.0	42.0

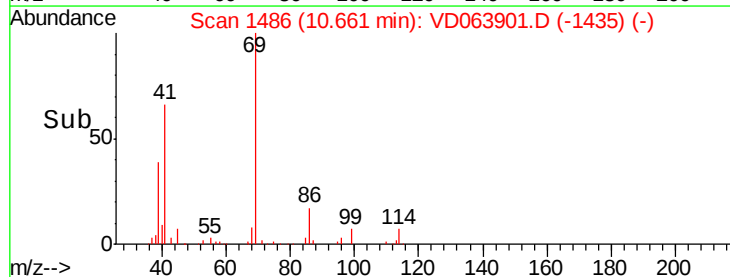
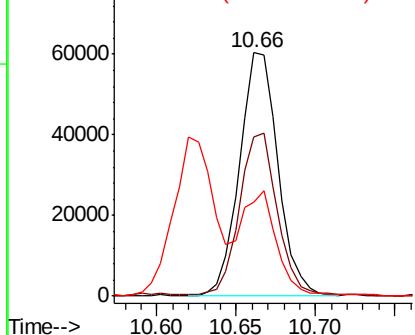


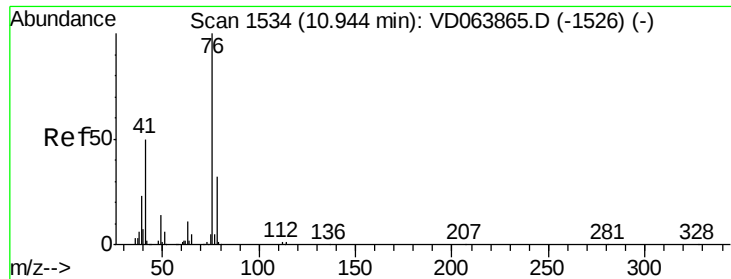
Abundance

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: 51.272 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

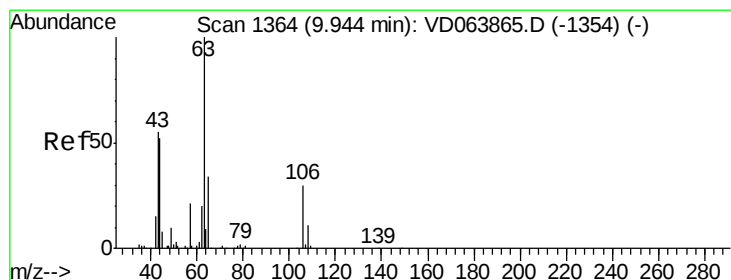
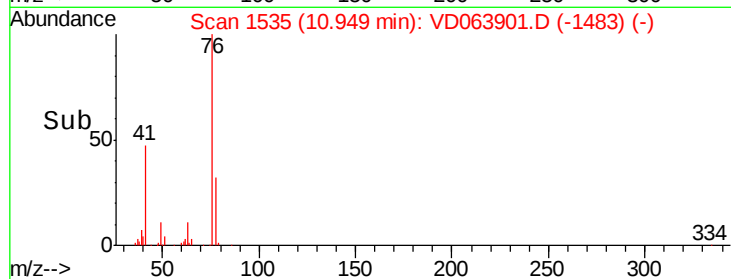
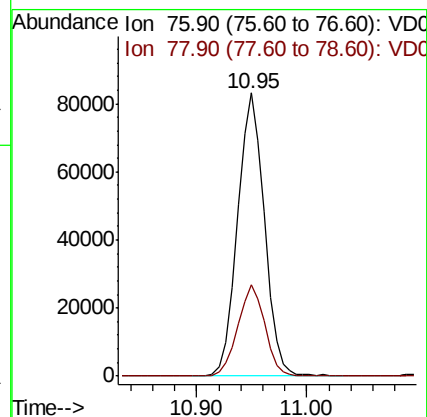
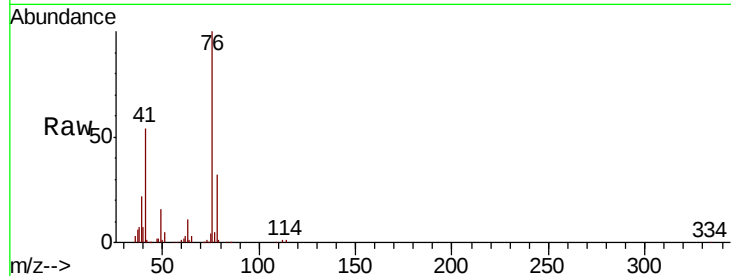
ClientSampleId :

Tot Ion: 76 Resp: 142030

Ion Ratio Lower Upper

76 100

78 32.5 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 241.231 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063901.D

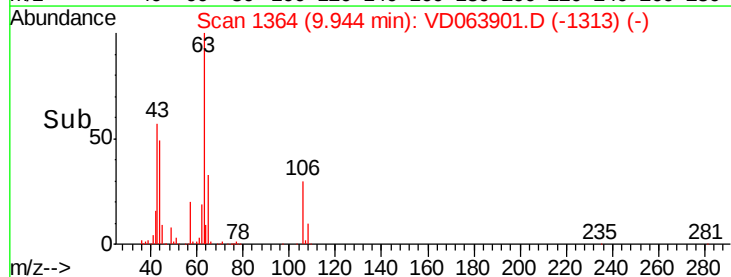
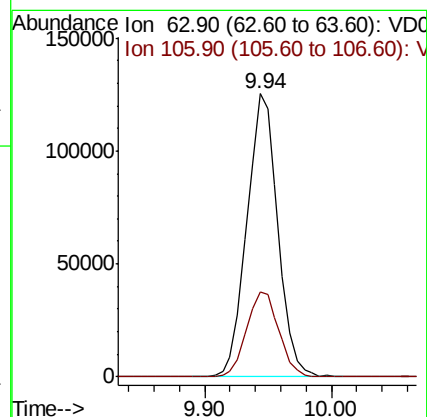
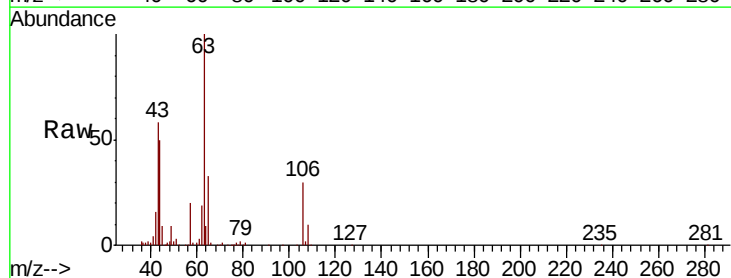
Acq: 10 Oct 2019 10:44

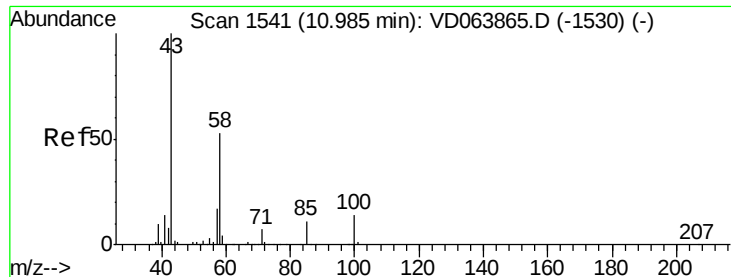
Tgt Ion: 63 Resp: 212594

Ion Ratio Lower Upper

63 100

106 31.3 24.3 36.5

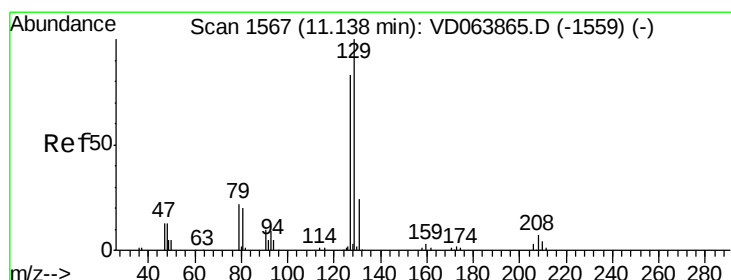
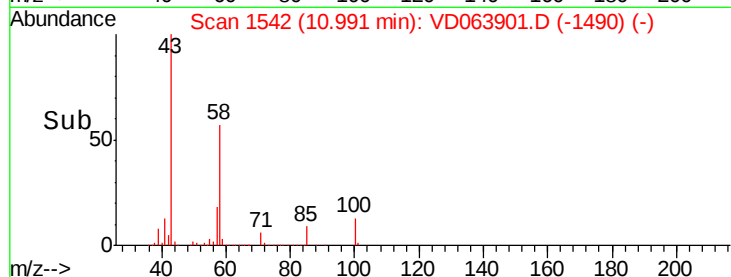
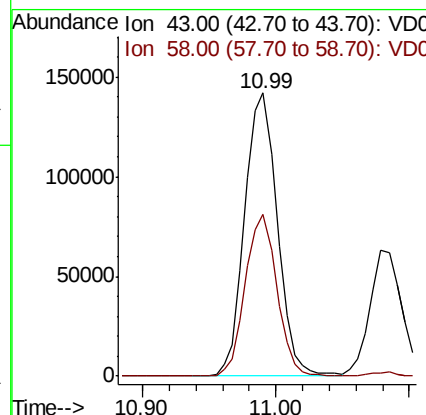
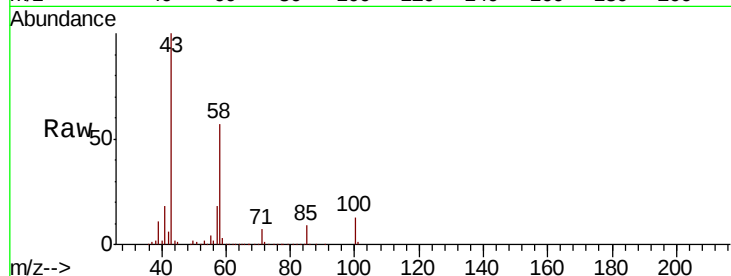




#59
2-Hexanone
Concen: 266.631 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

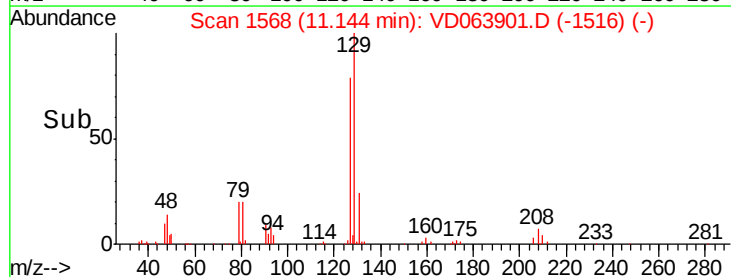
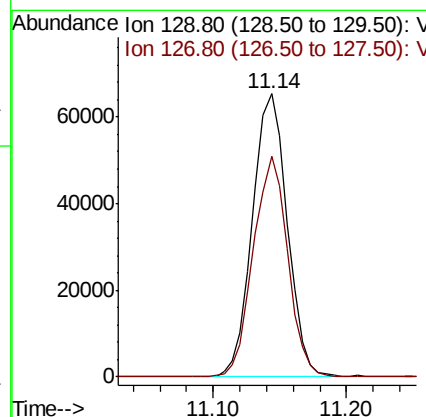
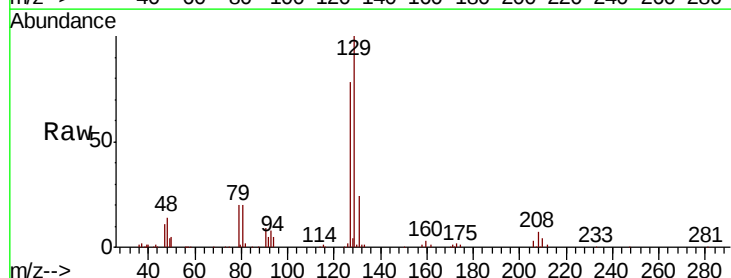
Instrument :
MSVOA_D
ClientSampleId :

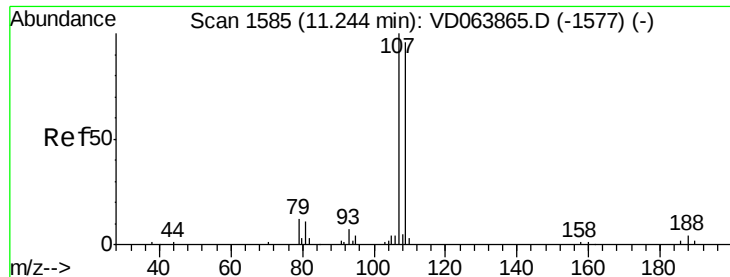
Tot Ion: 43 Resp: 240796
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.0



#60
Dibromochloromethane
Concen: 55.859 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 129 Resp: 117741
Ion Ratio Lower Upper
129 100
127 77.1 39.9 119.6

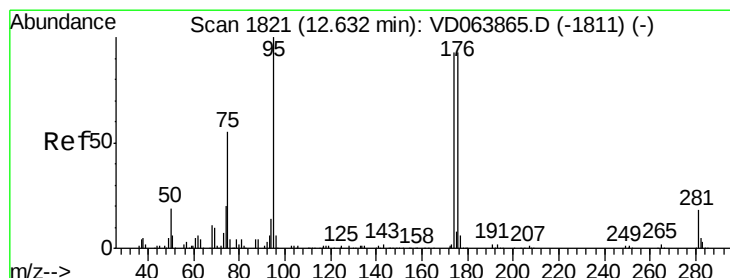
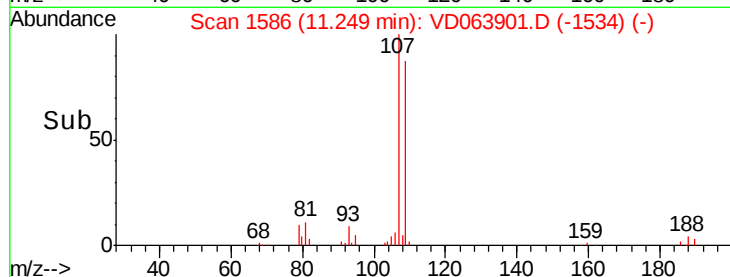
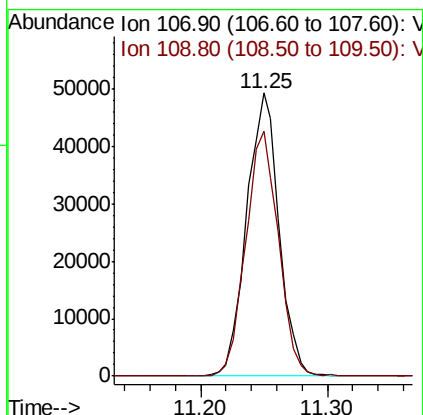
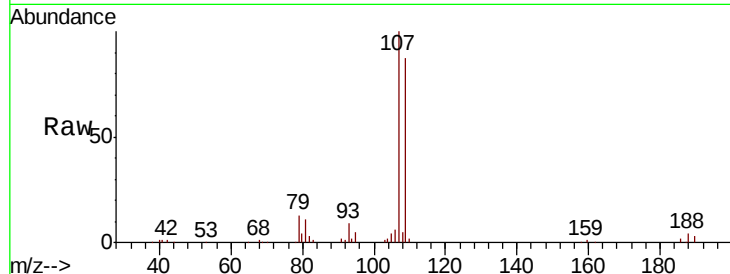




#61
 1,2-Dibromoethane
 Concen: 55.714 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

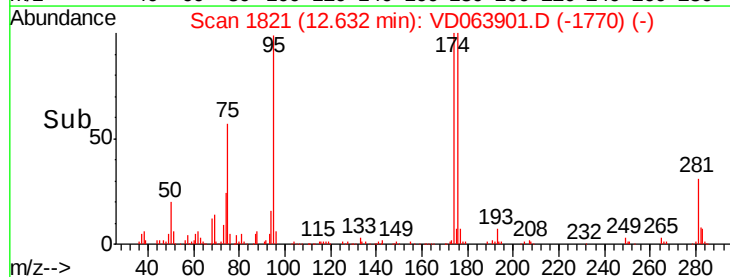
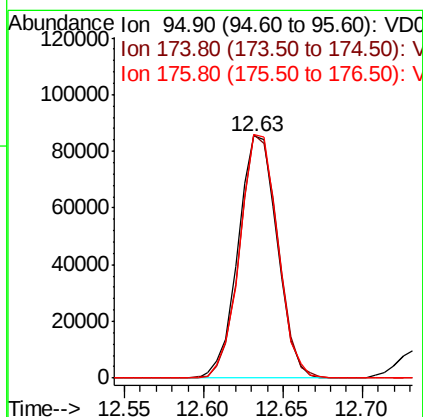
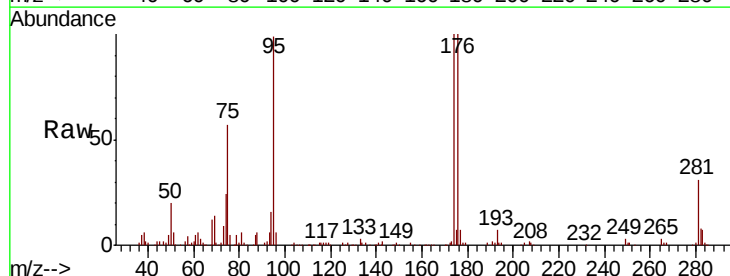
Instrument :
 MSVOA_D
 ClientSampled :

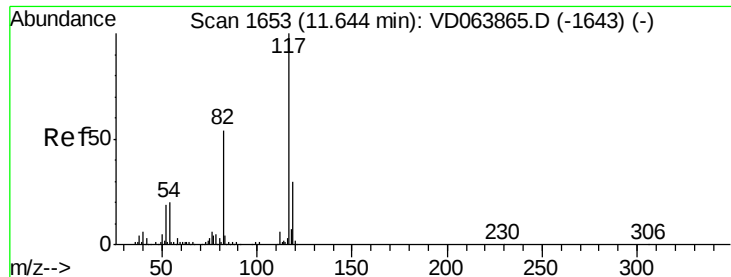
Tot Ion: 107 Resp: 87449
 Ion Ratio Lower Upper
 107 100
 109 87.3 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 54.030 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion: 95 Resp: 146210
 Ion Ratio Lower Upper
 95 100
 174 97.9 0.0 186.4
 176 97.7 0.0 184.2

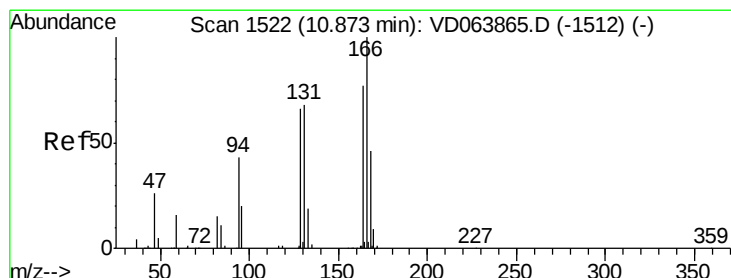
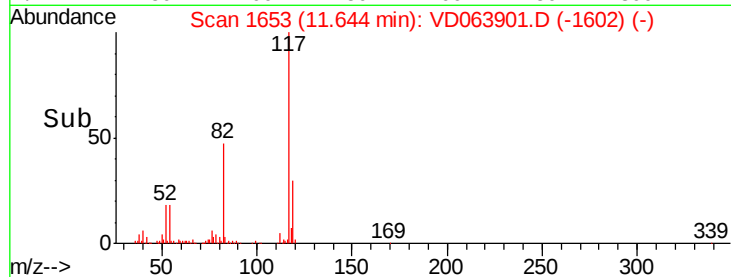
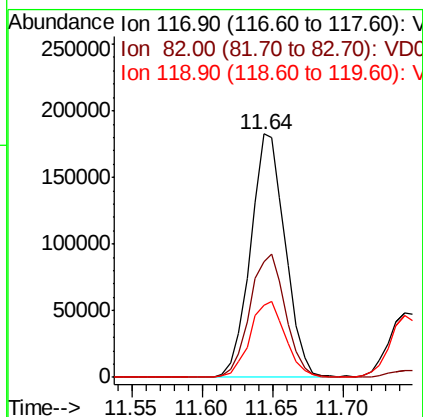
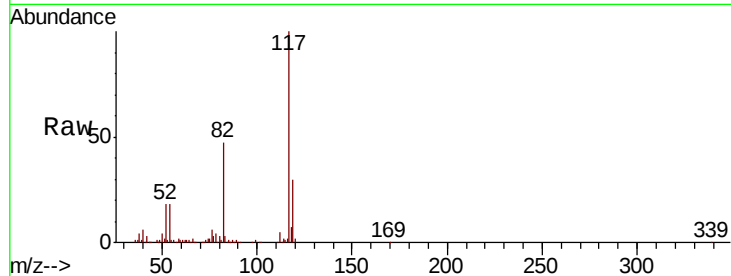




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

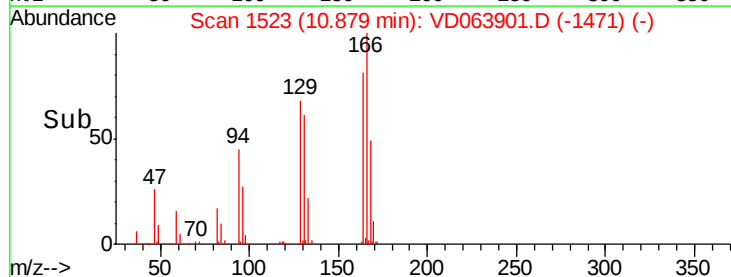
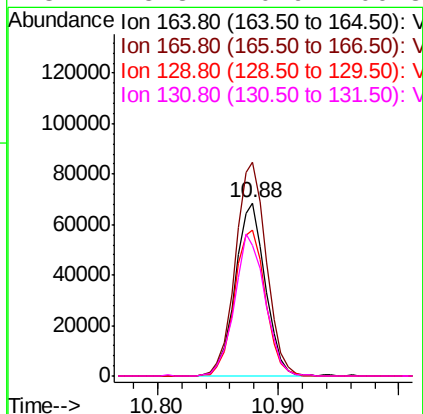
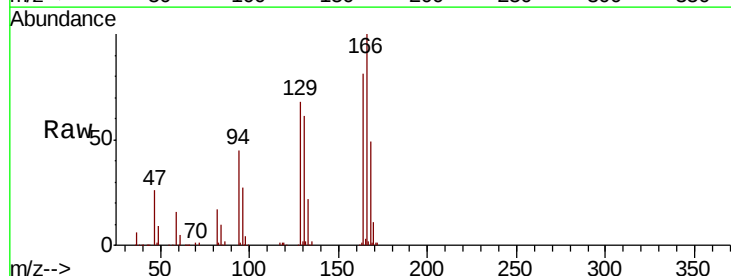
Instrument :
MSVOA_D
ClientSampled :

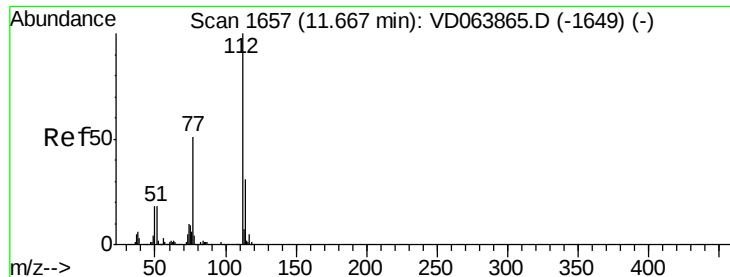
Tot Ion	Ratio	Lower	Upper
117	100		
82	47.5	42.8	64.2
119	29.5	24.4	36.6



#64
Tetrachloroethene
Concen: 55.116 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	103.8	155.6
129	84.2	68.9	103.3
131	75.3	70.9	106.3

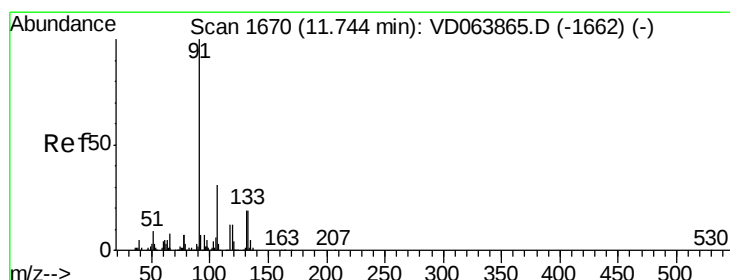
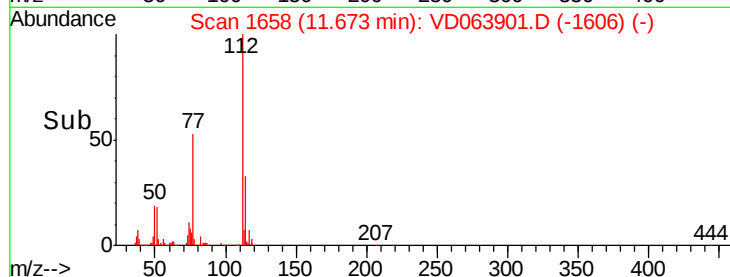
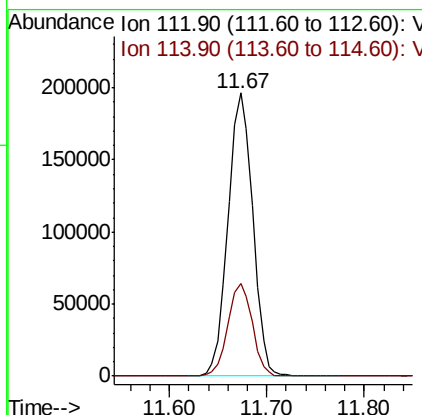
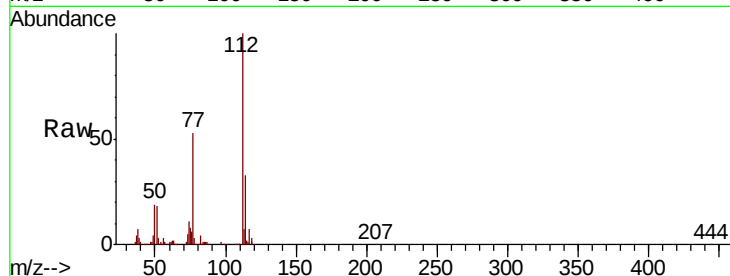




#65
Chlorobenzene
Concen: 54.704 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

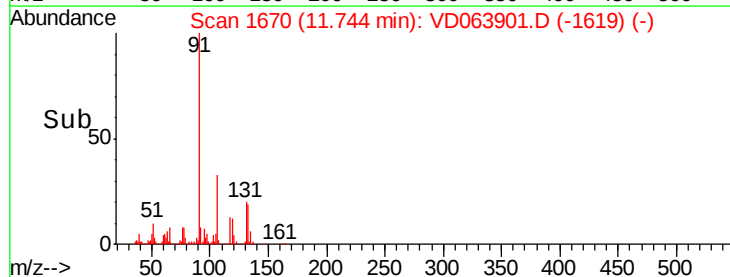
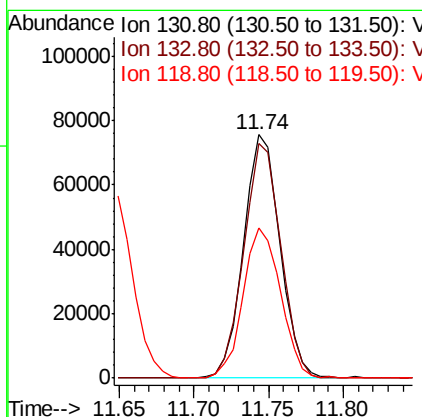
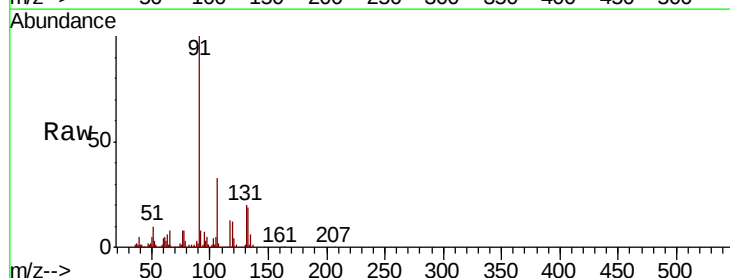
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 346427
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.957 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion:131 Resp: 128240
Ion Ratio Lower Upper
131 100
133 97.7 48.9 146.7
119 63.4 32.6 97.8





#67

Ethyl Benzene

Concen: 54.905 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

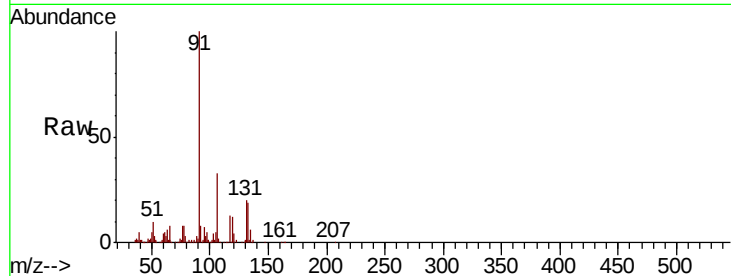
ClientSampleId :

Tot Ion: 91 Resp: 626965

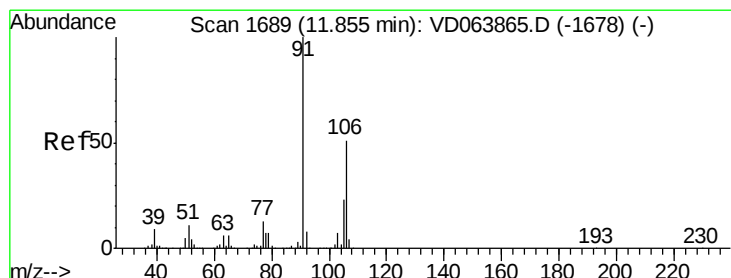
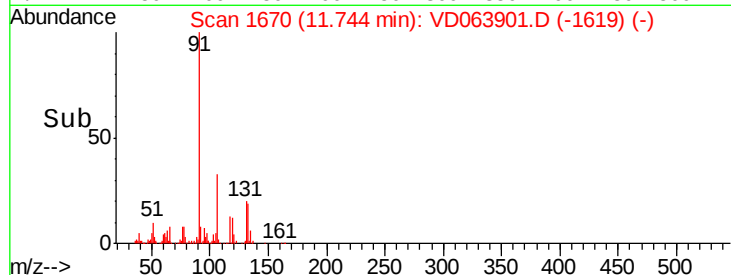
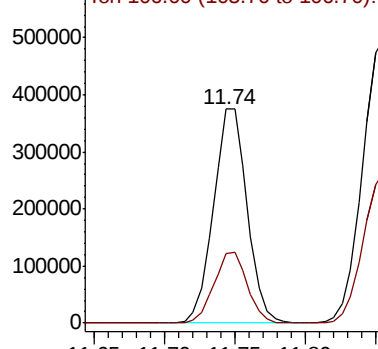
Ion Ratio Lower Upper

91 100

106 32.6 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 113.663 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063901.D

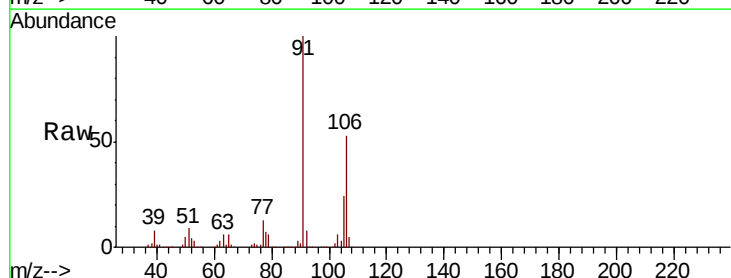
Acq: 10 Oct 2019 10:44

Tgt Ion: 106 Resp: 500973

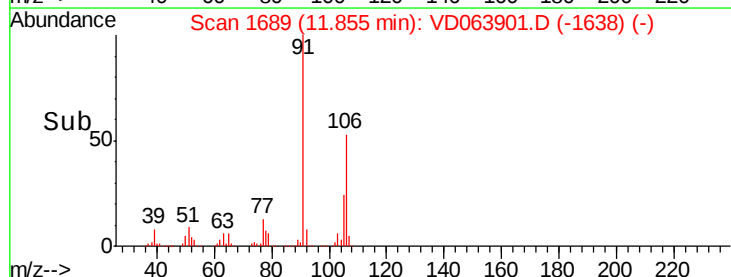
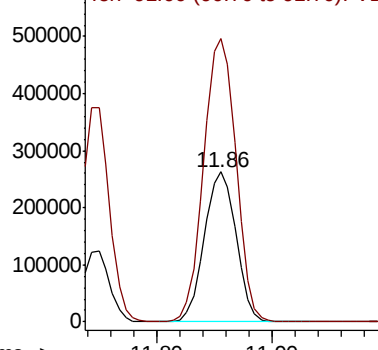
Ion Ratio Lower Upper

106 100

91 192.0 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

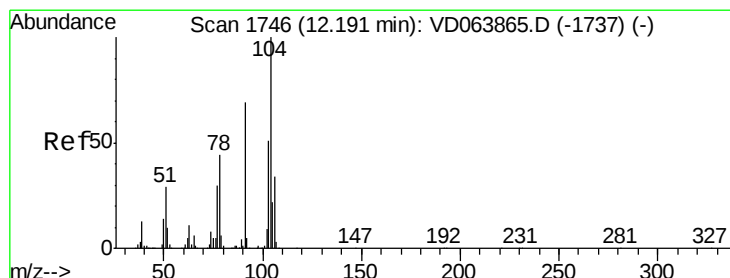
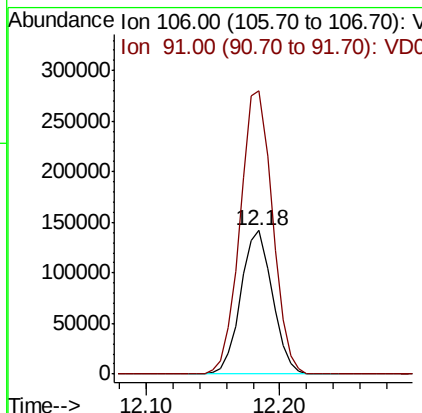
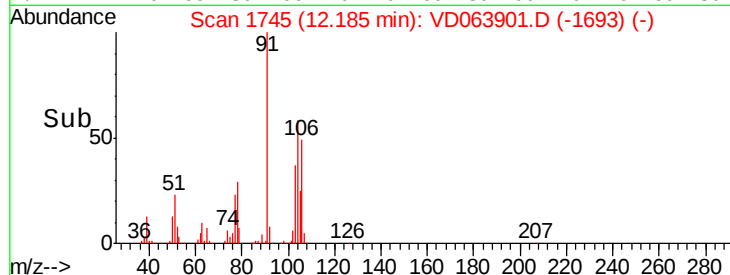
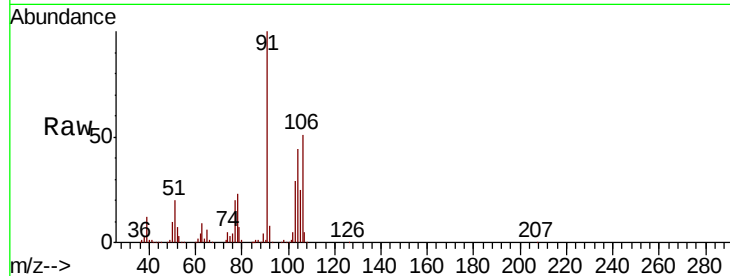




#69
o-Xylene
Concen: 55.089 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

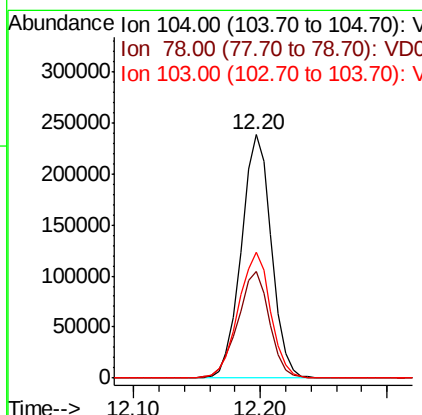
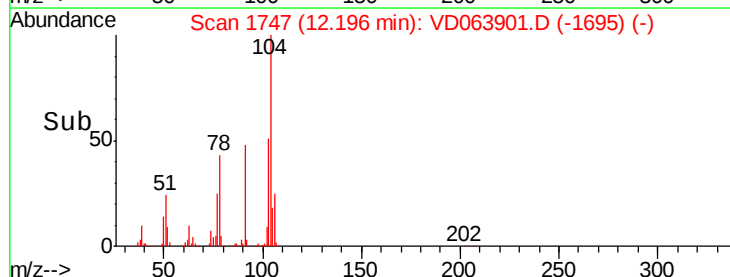
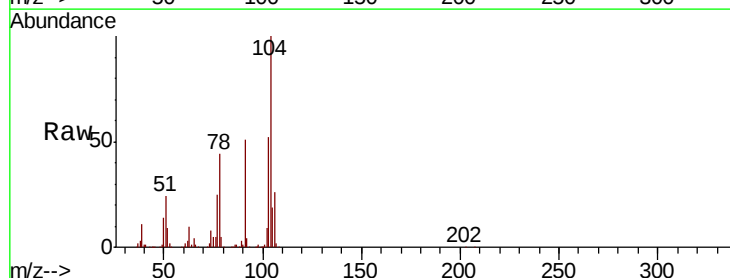
Instrument :
MSVOA_D
ClientSampleId :

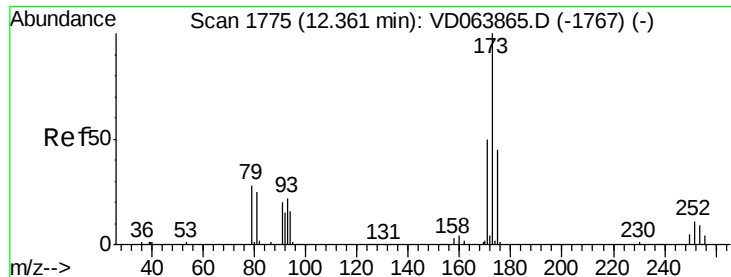
Tot Ion:106 Resp: 232497
Ion Ratio Lower Upper
106 100
91 202.1 103.9 311.7



#70
Styrene
Concen: 54.989 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion:104 Resp: 392868
Ion Ratio Lower Upper
104 100
78 45.8 37.0 55.4
103 55.2 44.2 66.4





#71

Bromoform

Concen: 52.993 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampled :

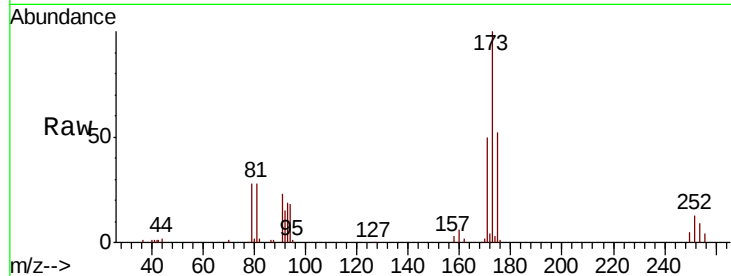
Tot Ion:173 Resp: 66363

Ion Ratio Lower Upper

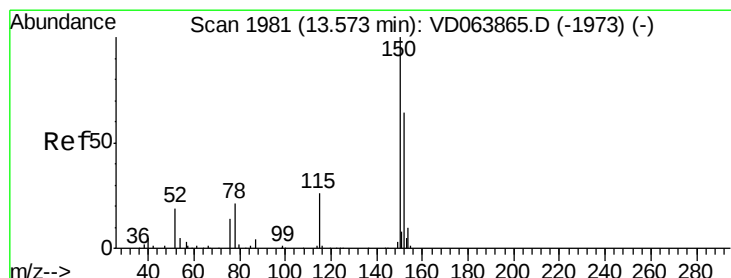
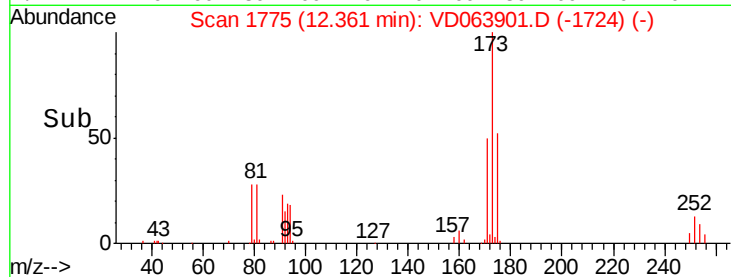
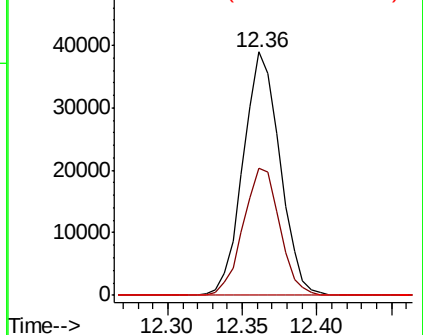
173 100

175 51.7 24.6 74.0

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# 1982

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

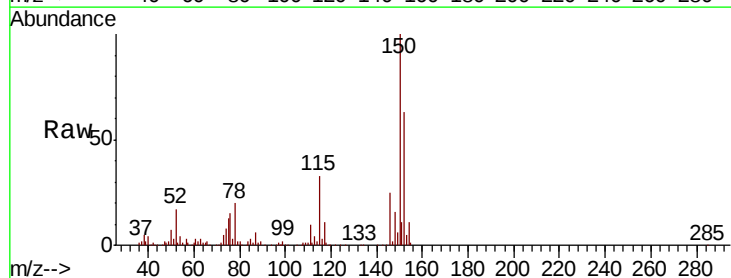
Tgt Ion:152 Resp: 174147

Ion Ratio Lower Upper

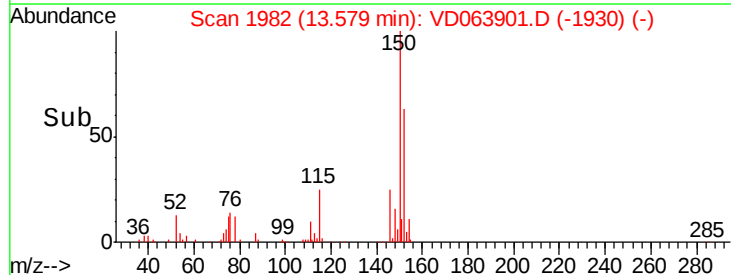
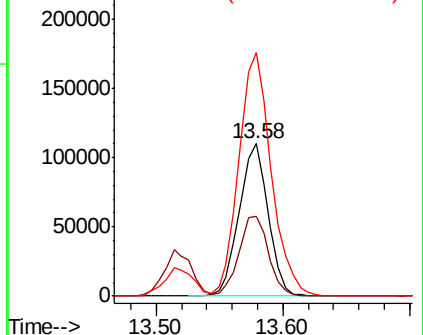
152 100

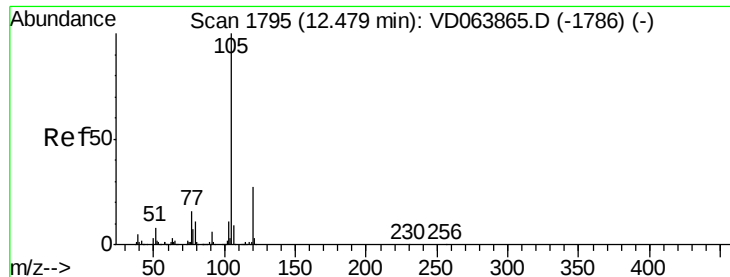
115 53.6 25.9 77.7

150 178.5 0.0 344.2



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: 54.502 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

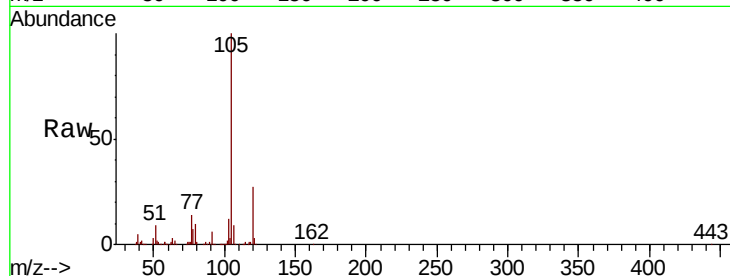
ClientSampleId :

Tot Ion: 105 Resp: 638060

Ion Ratio Lower Upper

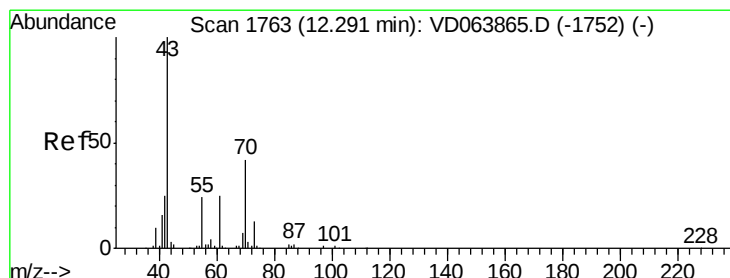
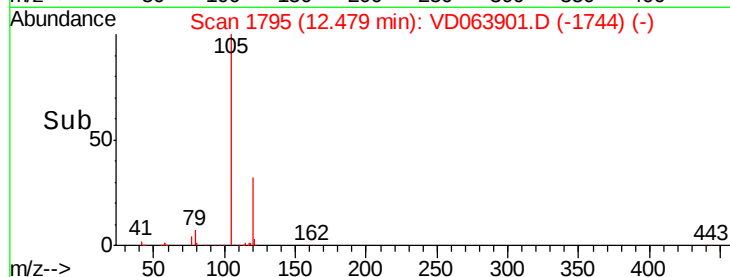
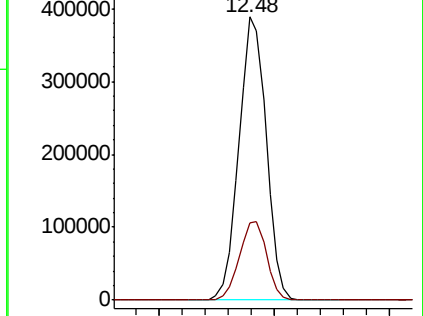
105 100

120 27.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.945 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tgt Ion: 43 Resp: 113287

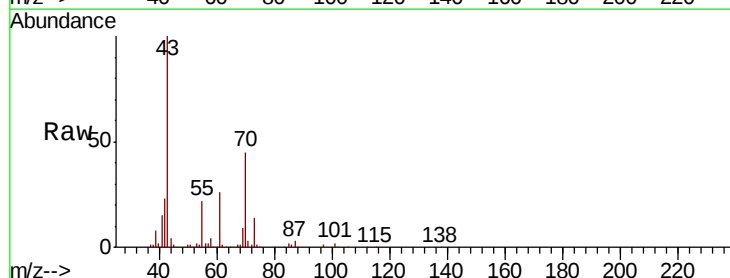
Ion Ratio Lower Upper

43 100

70 46.9 35.8 53.6

55 26.6 19.4 29.0

61 25.9 20.4 30.6

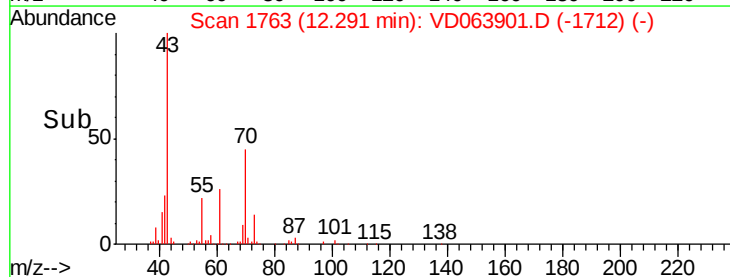
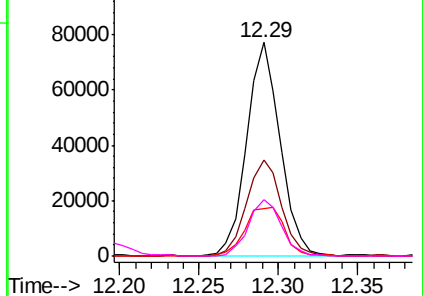


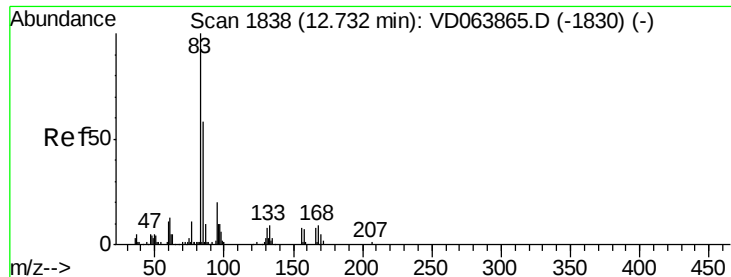
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.936 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

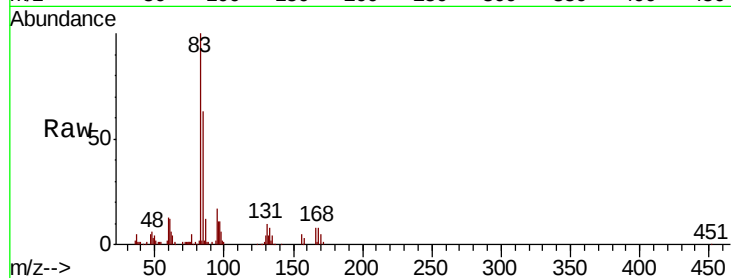
Tot Ion: 83 Resp: 97655

Ion Ratio Lower Upper

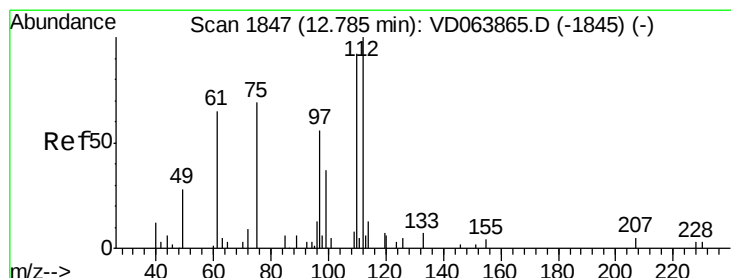
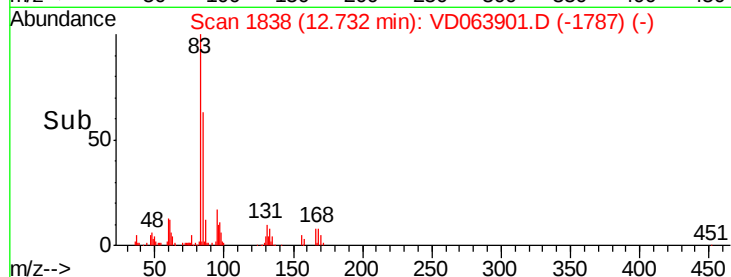
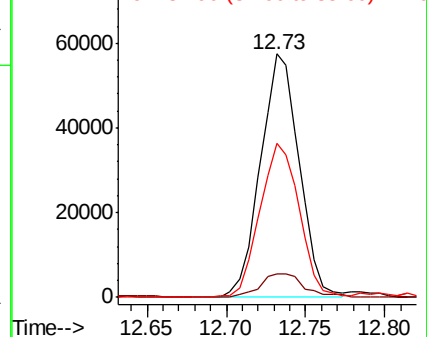
83 100

131 11.2 5.6 16.8

85 64.2 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 109.428 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063901.D

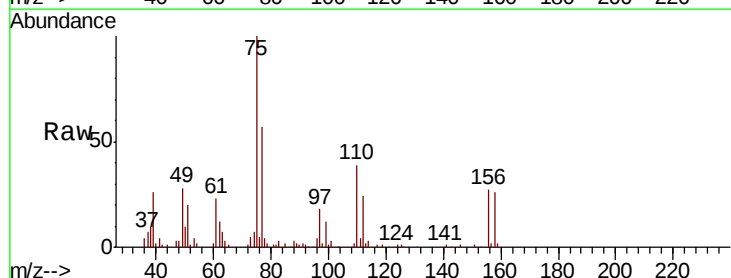
Acq: 10 Oct 2019 10:44

Tgt Ion: 75 Resp: 127636

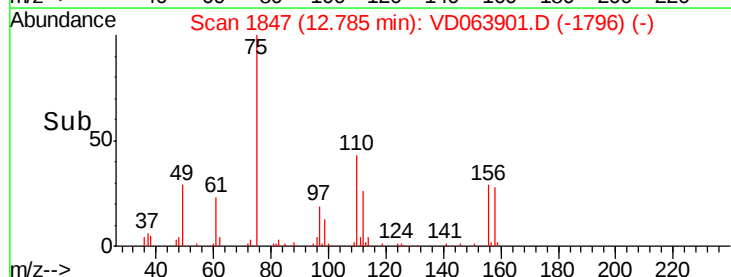
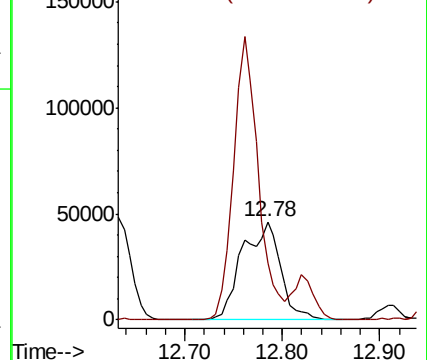
Ion Ratio Lower Upper

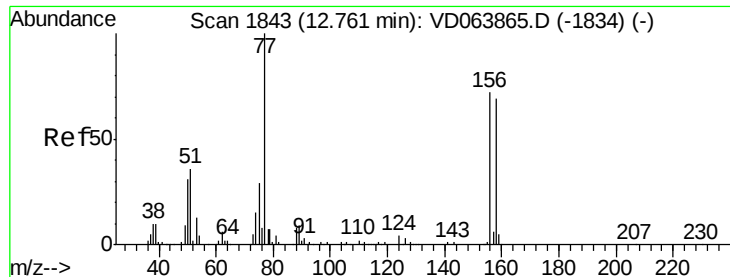
75 100

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: 52.758 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

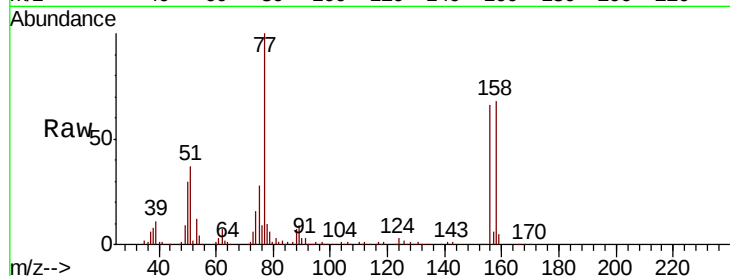
Tot Ion:156 Resp: 153881

Ion Ratio Lower Upper

156 100

77 153.7 80.3 241.0

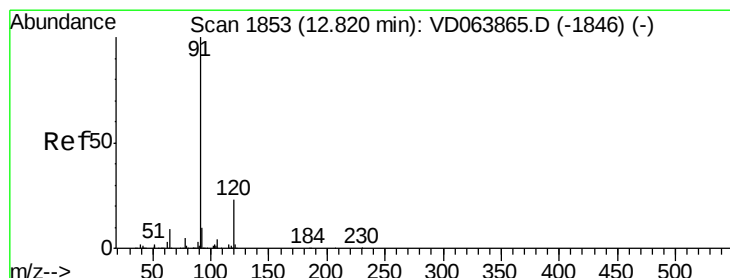
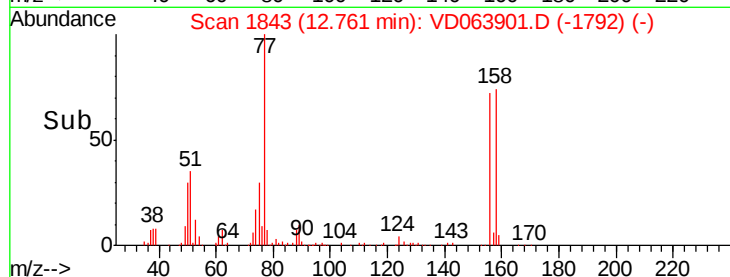
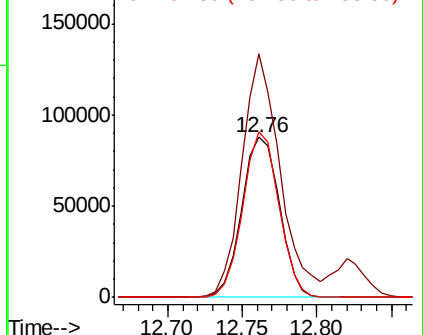
158 98.5 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.217 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063901.D

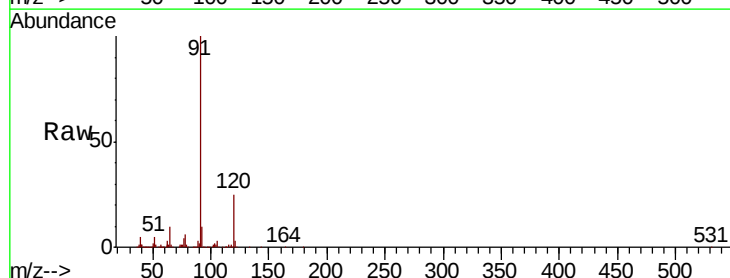
Acq: 10 Oct 2019 10:44

Tgt Ion: 91 Resp: 758764

Ion Ratio Lower Upper

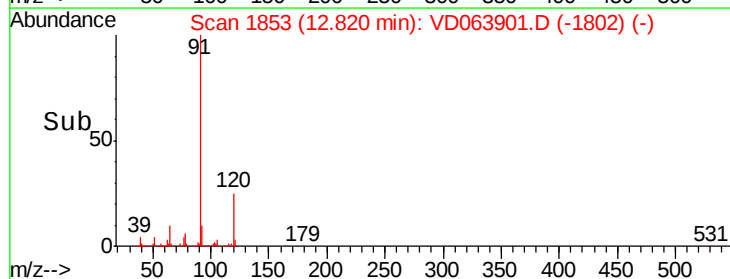
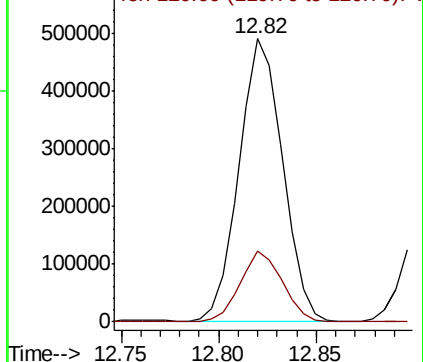
91 100

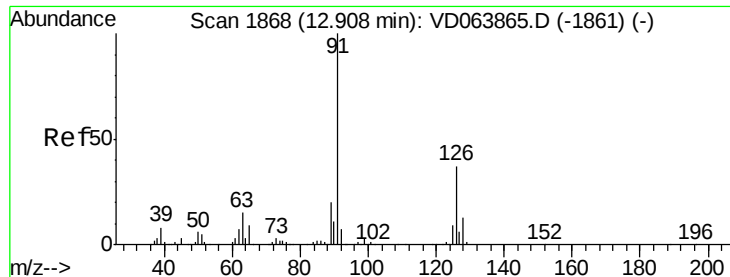
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.094 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

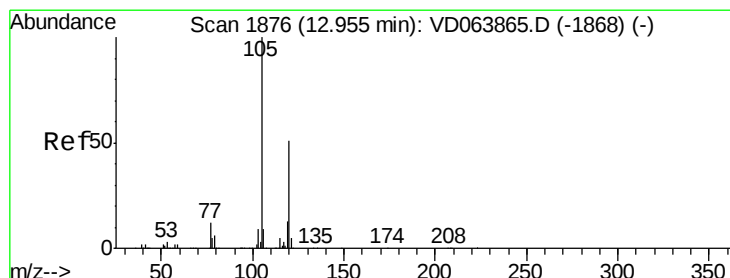
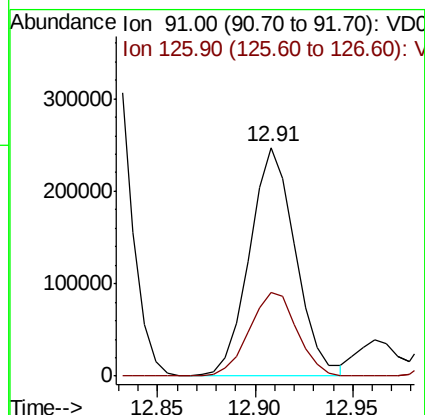
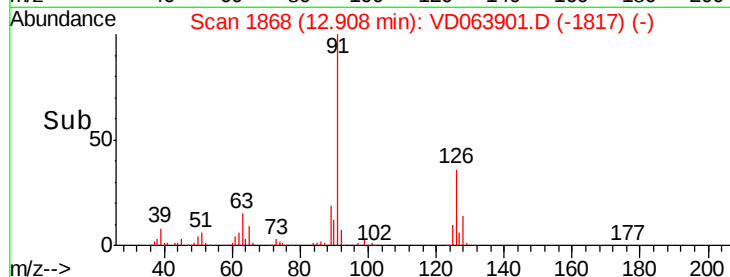
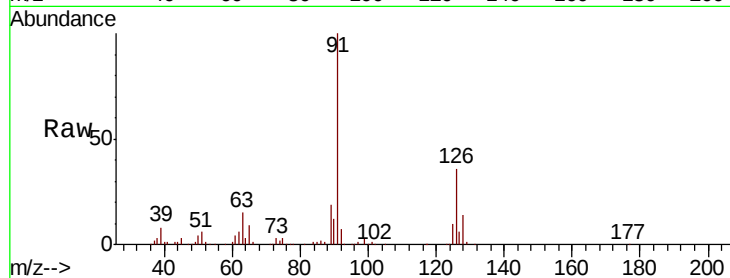
ClientSampleId :

Tot Ion: 91 Resp: 402299

Ion Ratio Lower Upper

91 100

126 38.1 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 54.538 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063901.D

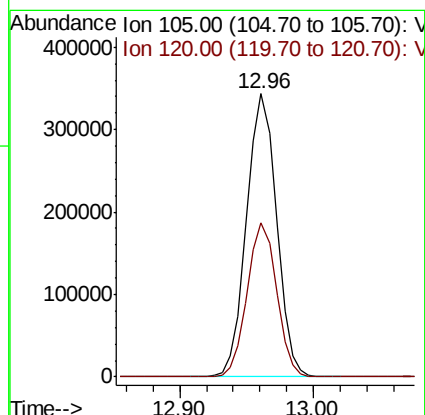
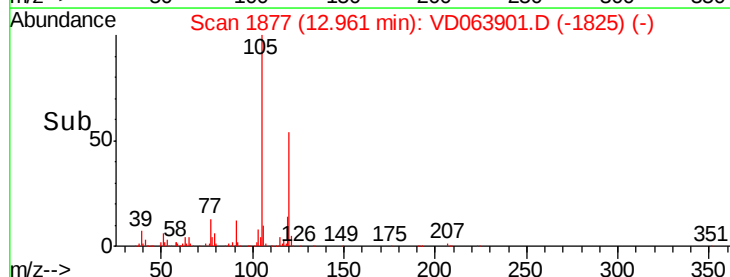
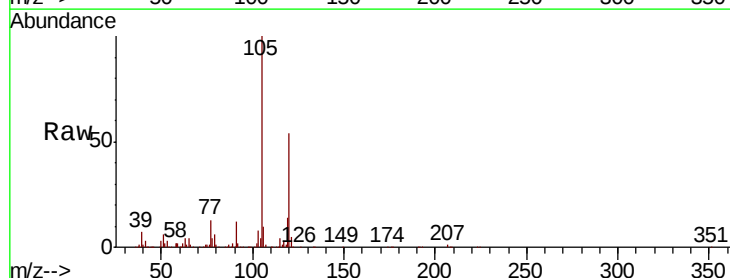
Acq: 10 Oct 2019 10:44

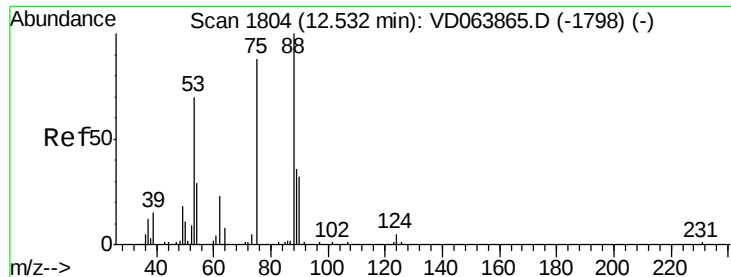
Tgt Ion:105 Resp: 532670

Ion Ratio Lower Upper

105 100

120 53.4 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.856 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

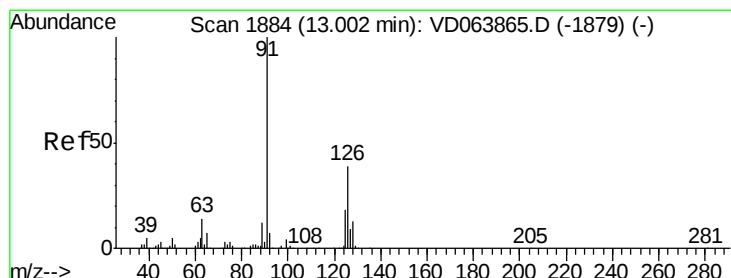
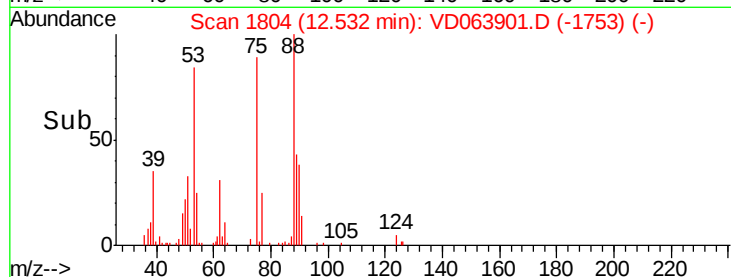
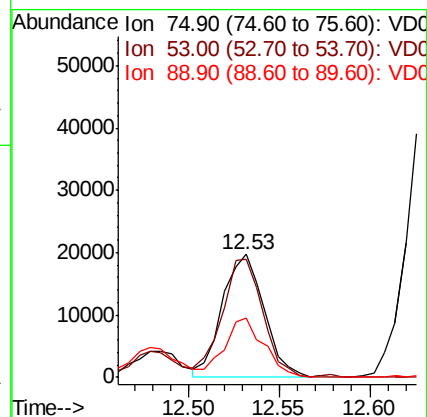
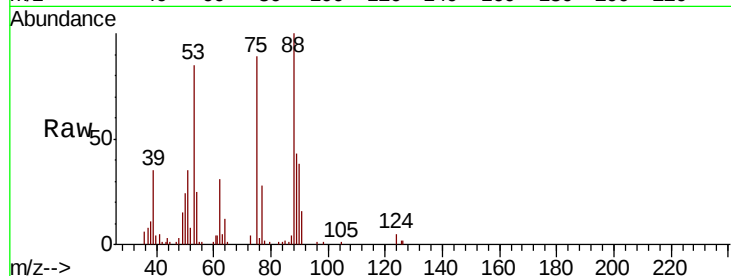
Tot Ion: 75 Resp: 31543

Ion Ratio Lower Upper

75 100

53 92.7 75.0 112.6

89 46.2 38.2 57.4



#82

4-Chlorotoluene

Concen: 51.633 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063901.D

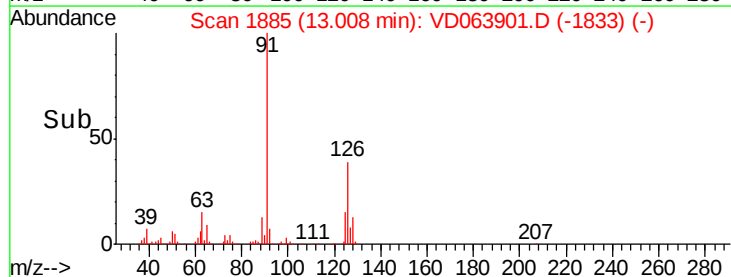
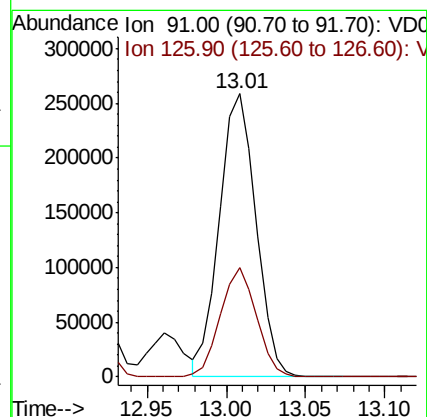
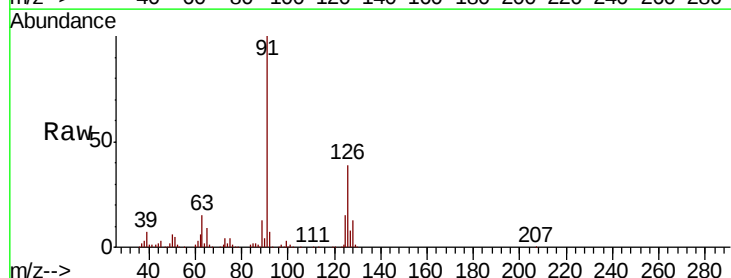
Acq: 10 Oct 2019 10:44

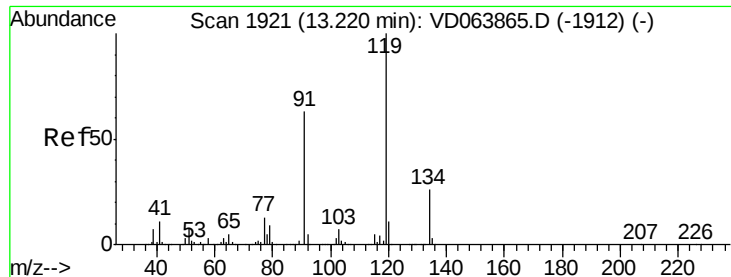
Tgt Ion: 91 Resp: 415018

Ion Ratio Lower Upper

91 100

126 38.1 18.6 55.8

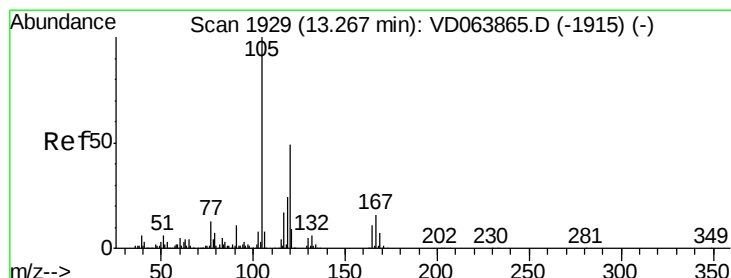
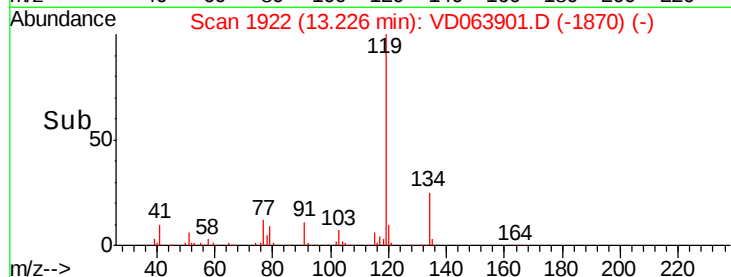
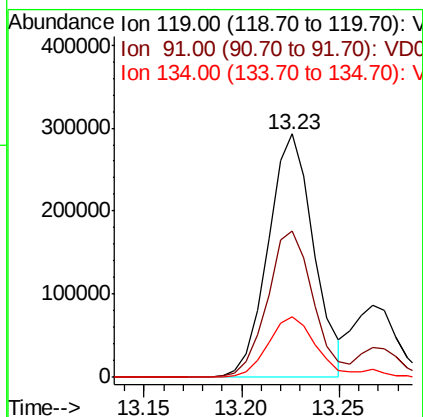
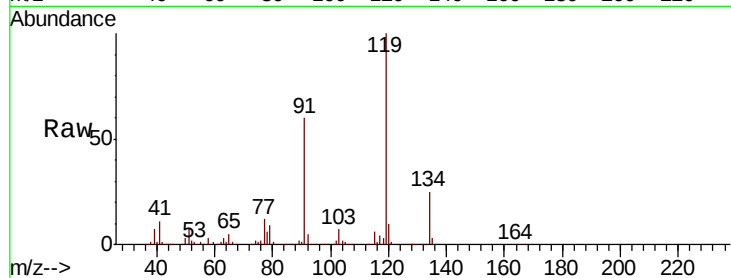




#83
tert-Butylbenzene
Concen: 54.481 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

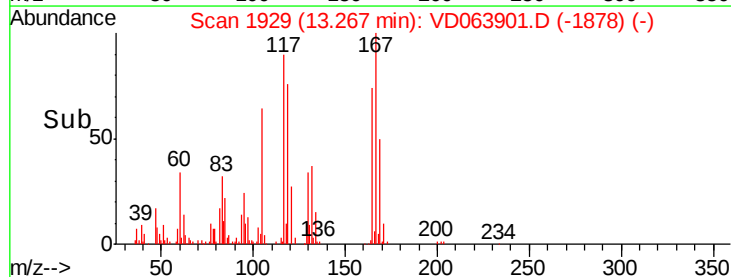
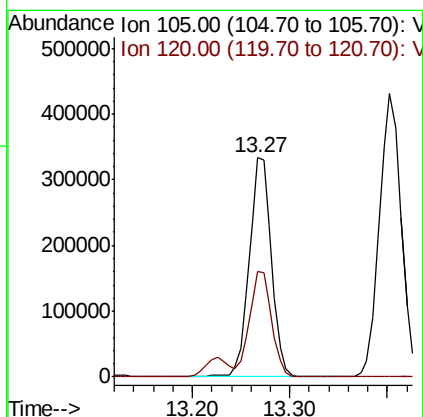
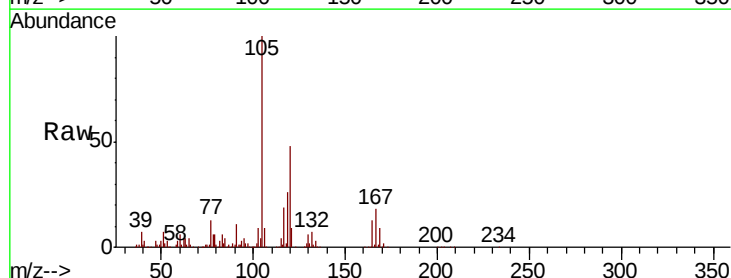
Instrument :
MSVOA_D
ClientSampleId :

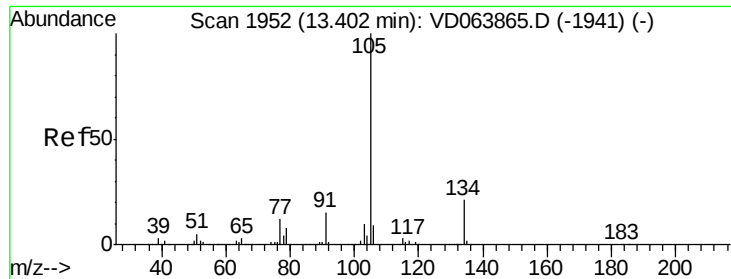
Tot Ion:119 Resp: 473566
Ion Ratio Lower Upper
119 100
91 60.9 30.0 90.0
134 25.9 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 52.783 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion:105 Resp: 531474
Ion Ratio Lower Upper
105 100
120 47.8 23.8 71.5





#85

sec-Butylbenzene

Concen: 56.853 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

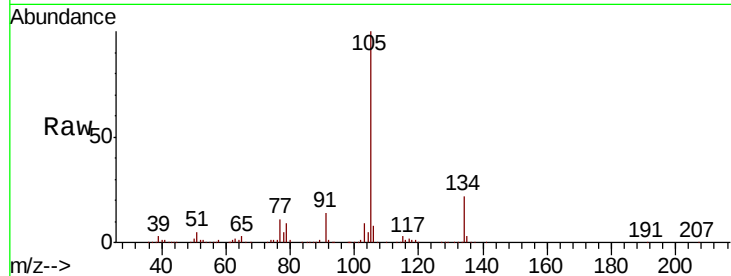
ClientSampleId :

Tot Ion:105 Resp: 667376

Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

400000

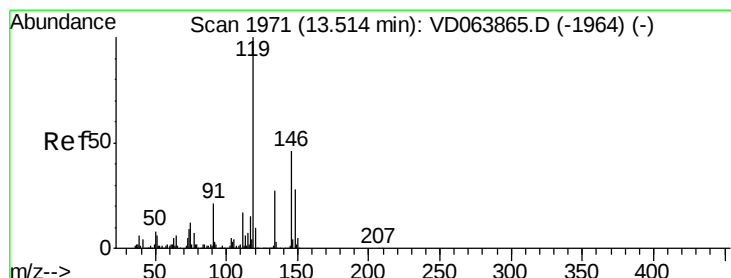
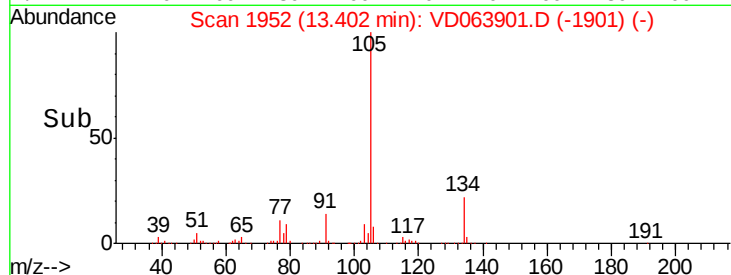
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 57.335 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

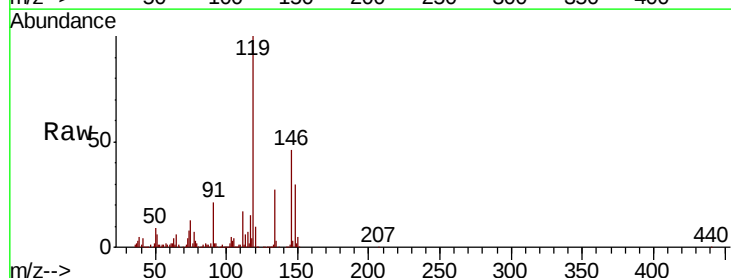
Tgt Ion:119 Resp: 636874

Ion Ratio Lower Upper

119 100

134 27.0 13.9 41.6

91 22.0 11.2 33.5



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

13.52

400000

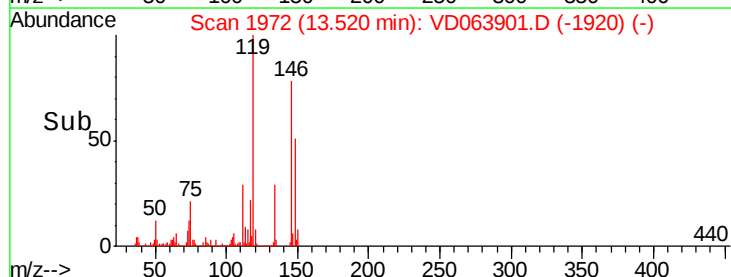
300000

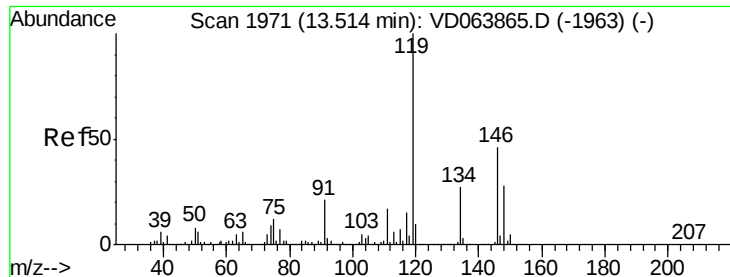
200000

100000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 54.117 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

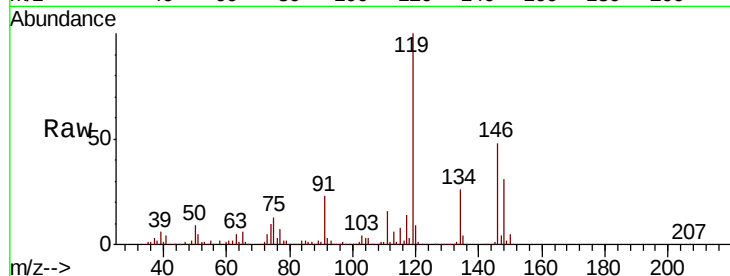
Tot Ion:146 Resp: 311886

Ion Ratio Lower Upper

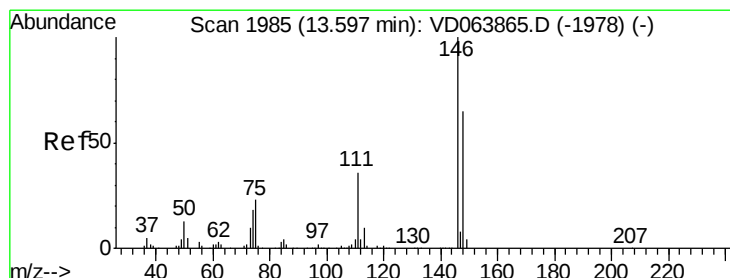
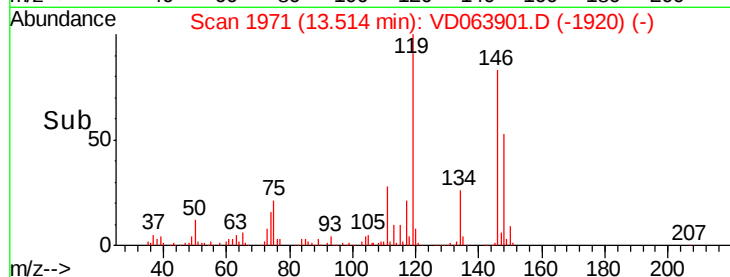
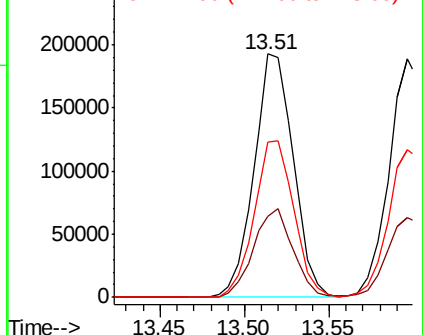
146 100

111 36.6 18.3 54.9

148 64.8 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 53.685 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

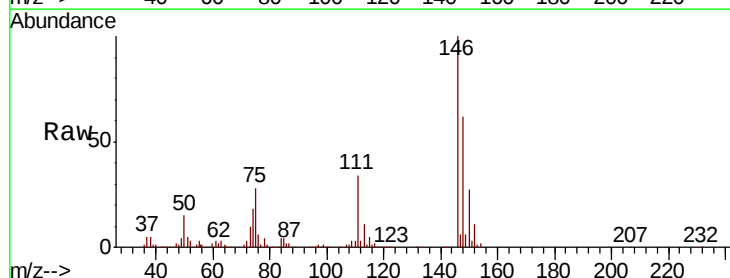
Tgt Ion:146 Resp: 305227

Ion Ratio Lower Upper

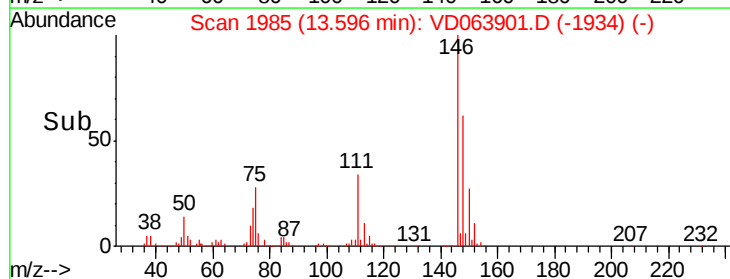
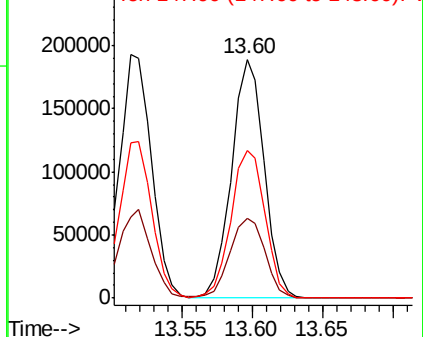
146 100

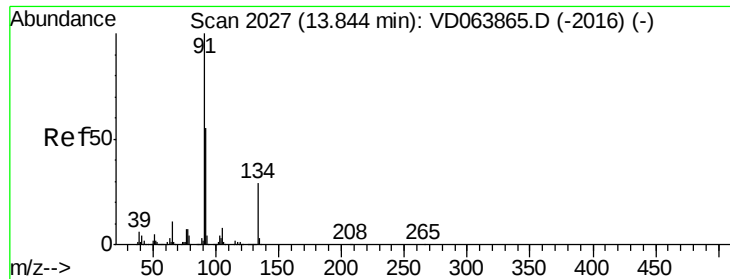
111 36.0 18.6 56.0

148 64.4 32.6 98.0



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

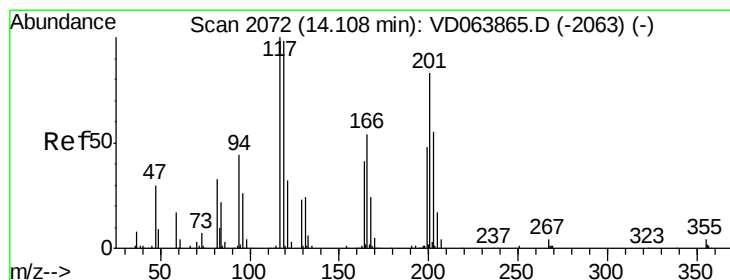
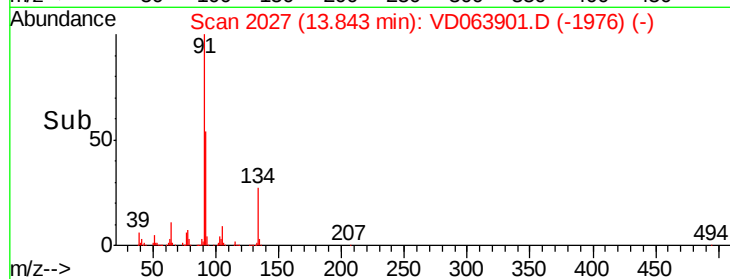
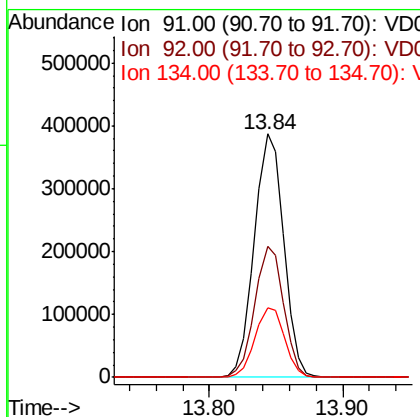
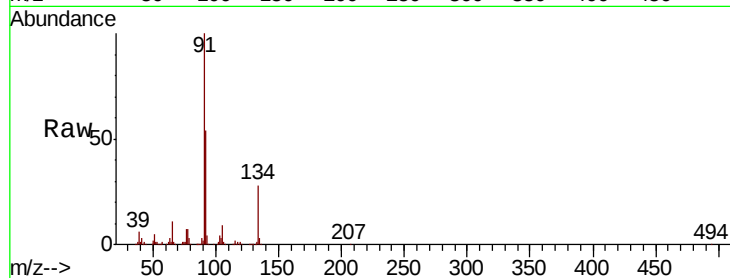




#89
n-Butylbenzene
Concen: 56.769 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

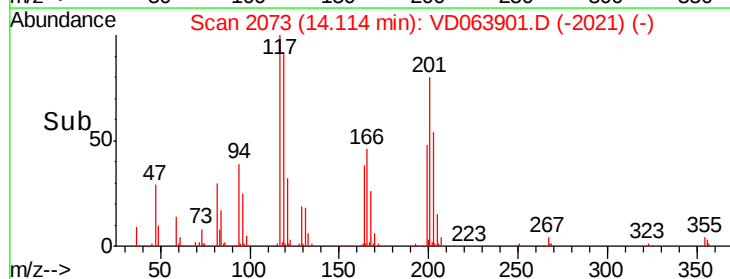
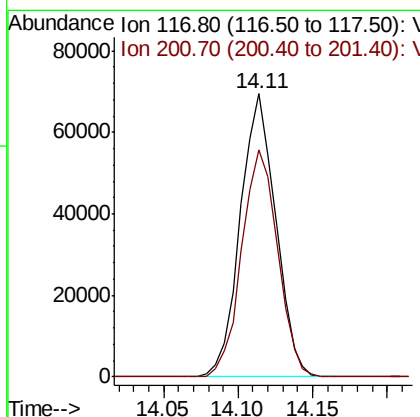
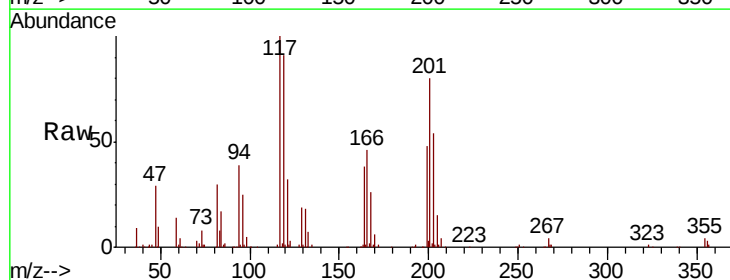
Instrument :
MSVOA_D
ClientSampleId :

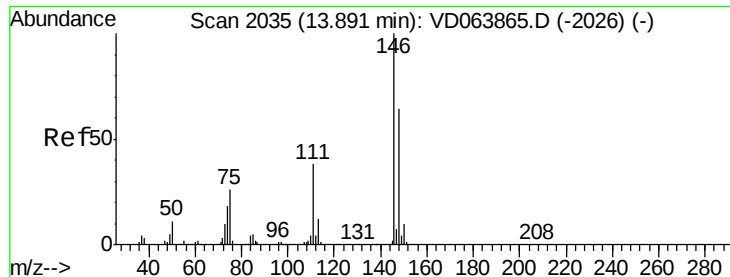
Tot Ion: 91 Resp: 586972
Ion Ratio Lower Upper
91 100
92 52.9 26.8 80.3
134 28.6 14.4 43.0



#90
Hexachloroethane
Concen: 57.189 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 117 Resp: 114254
Ion Ratio Lower Upper
117 100
201 81.4 40.6 121.7

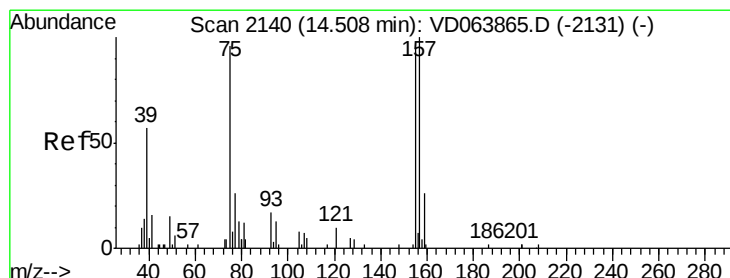
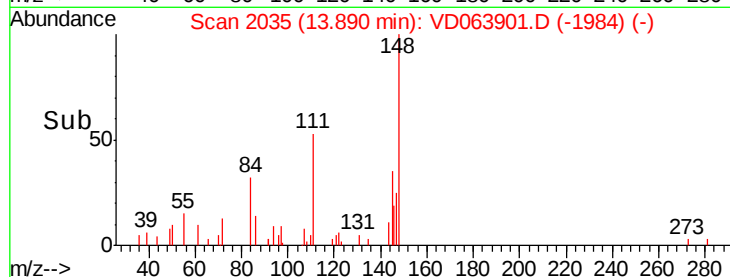
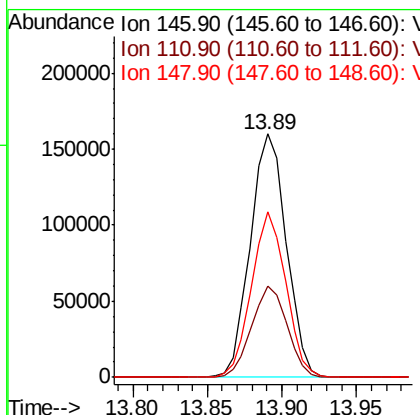
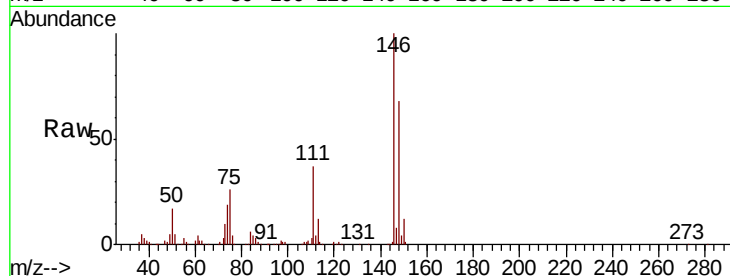




#91
 1,2-Dichlorobenzene
 Concen: 53.845 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

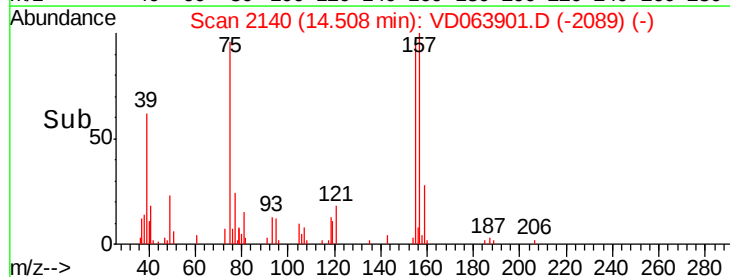
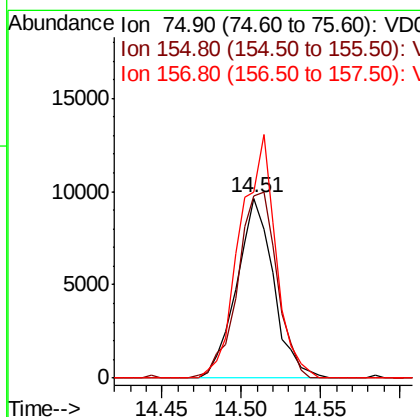
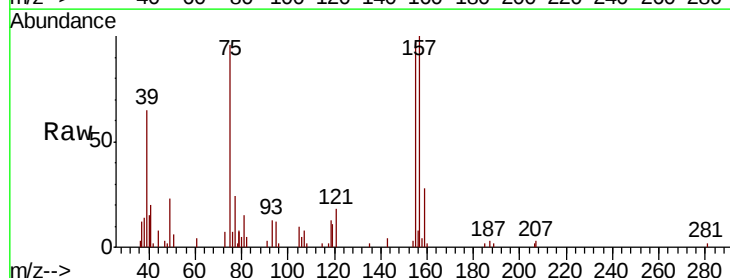
Instrument :
 MSVOA_D
 ClientSampleId :

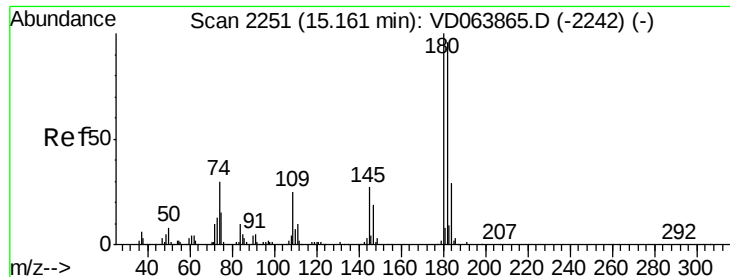
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.6
148	64.7	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.947 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.5	43.9	131.6
157	131.7	56.0	167.9

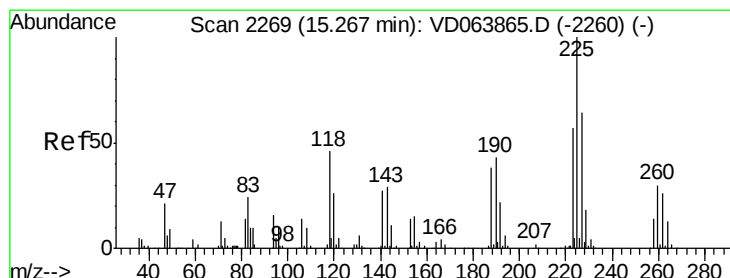
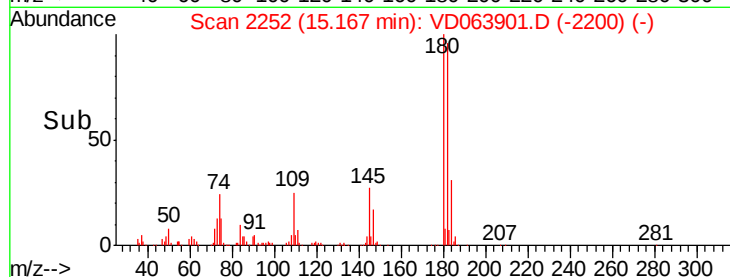
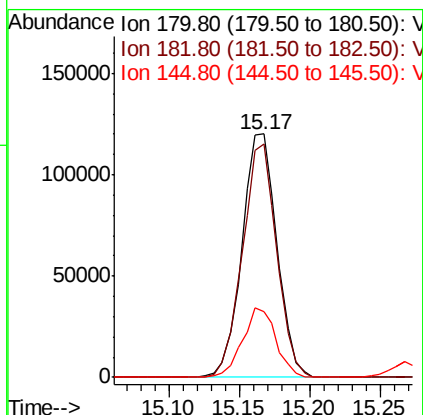
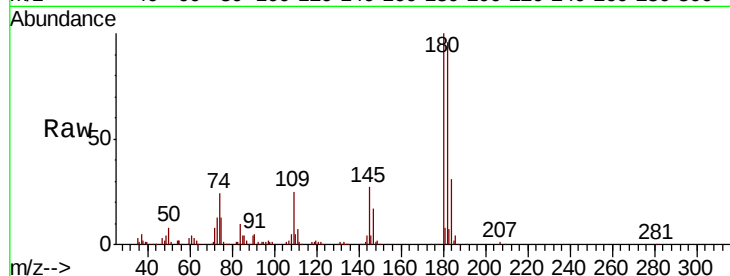




#93
 1,2,4-Trichlorobenzene
 Concen: 54.306 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

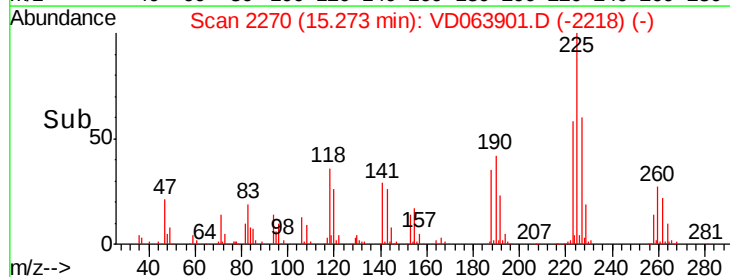
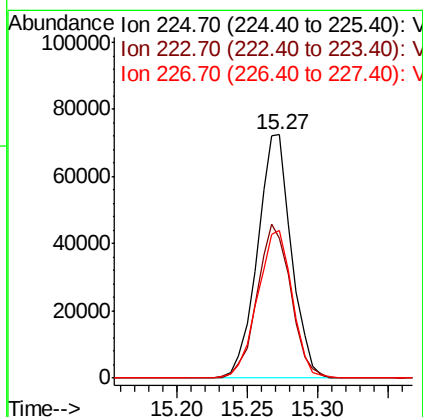
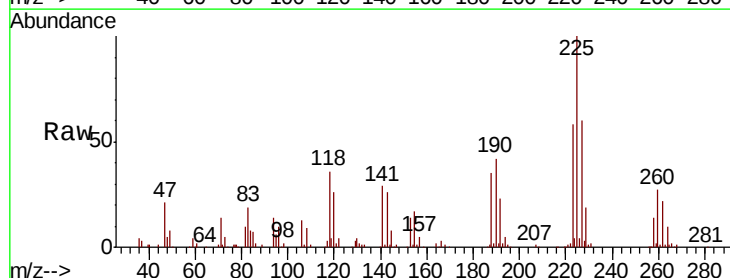
Instrument :
 MSVOA_D
 ClientSampleId :

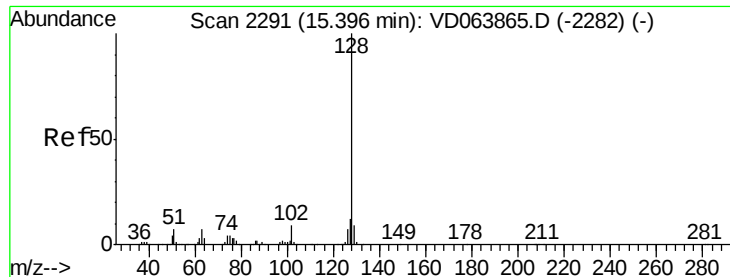
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	27.2	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 57.792 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	29.5	88.6
227	62.2	30.8	92.4





#95

Naphthalene

Concen: 53.030 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

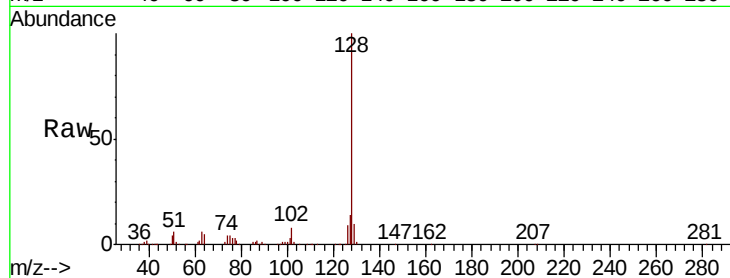
Tot Ion:128 Resp: 341570

Ion Ratio Lower Upper

128 100

127 14.4 10.6 16.0

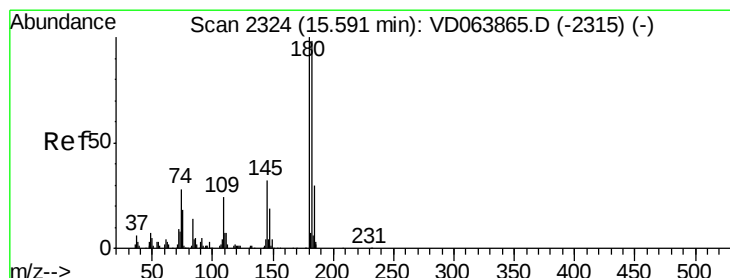
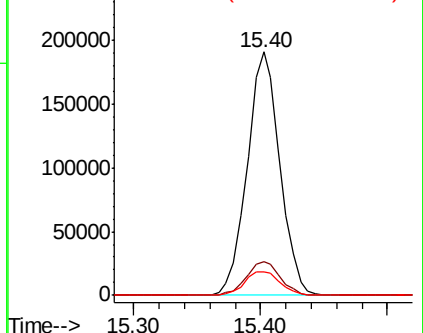
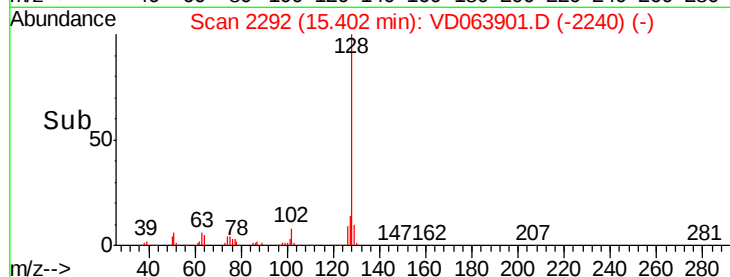
129 10.6 8.6 13.0



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: 54.327 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

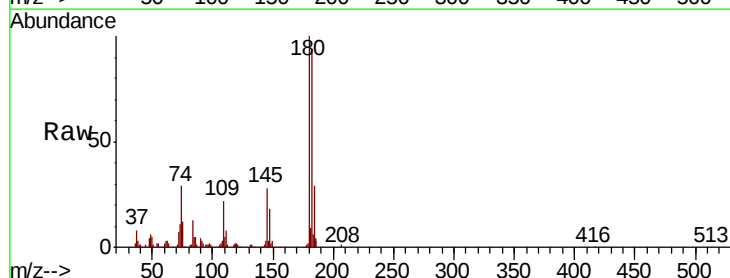
Tgt Ion:180 Resp: 179628

Ion Ratio Lower Upper

180 100

182 91.8 47.0 141.0

145 29.4 15.3 45.9



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

