

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064083.D
 Acq On : 29 Oct 2019 12:15
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 07:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 07:33:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	206123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	318688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	301311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155514	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	7333	4.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.94%	
35) Dibromofluoromethane	7.93	113	9434	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
50) Toluene-d8	10.34	98	34732	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	
62) 4-Bromofluorobenzene	12.63	95	11580	4.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.90%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	9714	4.615	ug/l 93
3) Chloromethane	2.21	50	19830	5.647	ug/l 99
4) Vinyl Chloride	2.35	62	20182	5.300	ug/l 96
5) Bromomethane	2.77	94	12583	5.070	ug/l 92
6) Chloroethane	2.93	64	11887	5.026	ug/l 89
7) Trichlorofluoromethane	3.28	101	28620	5.459	ug/l 96
8) Diethyl Ether	3.70	74	5125	5.624	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	9884	5.232	ug/l 98
10) Methyl Iodide	4.30	142	9521	4.068	ug/l # 87
11) Tert butyl alcohol	5.25	59	1450	10.493	ug/l # 71
12) 1,1-Dichloroethene	4.05	96	9301	5.202	ug/l # 87
13) Acrolein	3.93	56	3249	31.083	ug/l 85
14) Allyl chloride	4.71	41	9572	4.574	ug/l 94
15) Acrylonitrile	5.44	53	8246	24.498	ug/l # 70
16) Acetone	4.16	43	7475	23.965	ug/l # 84
17) Carbon Disulfide	4.40	76	25842	4.703	ug/l 97
18) Methyl Acetate	4.73	43	4835	5.828	ug/l # 78
19) Methyl tert-butyl Ether	5.49	73	18711	5.157	ug/l 94
20) Methylene Chloride	4.97	84	13753	6.171	ug/l # 83
21) trans-1,2-Dichloroethene	5.47	96	9844	4.904	ug/l 92
22) Diisopropyl ether	6.38	45	22065	4.761	ug/l # 89
23) Vinyl Acetate	6.31	43	46189	17.804	ug/l 98
24) 1,1-Dichloroethane	6.27	63	16532	5.282	ug/l 94
25) 2-Butanone	7.22	43	9915	22.994	ug/l # 80
26) 2,2-Dichloropropane	7.21	77	15489	5.214	ug/l 88
27) cis-1,2-Dichloroethene	7.21	96	11820	5.263	ug/l 95
28) Bromochloromethane	7.56	49	6421	5.624	ug/l # 98
29) Tetrahydrofuran	7.58	42	5708	22.682	ug/l 95
30) Chloroform	7.72	83	18016	5.031	ug/l # 77
31) Cyclohexane	7.98	56	17176	5.633	ug/l # 69
32) 1,1,1-Trichloroethane	7.91	97	16906	5.071	ug/l 96
36) 1,1-Dichloropropene	8.11	75	16507	5.528	ug/l 92
37) Ethyl Acetate	7.30	43	4459	4.851	ug/l # 93
38) Carbon Tetrachloride	8.10	117	16053	4.927	ug/l # 92

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 Data File : VD064083.D
 Acq On : 29 Oct 2019 12:15
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 07:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 07:33:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16943	4.622	ug/l	90
40) Benzene	8.35	78	40811	5.012	ug/l	97
41) Methacrylonitrile	7.51	41	804	1.289	ug/l #	1
42) 1,2-Dichloroethane	8.43	62	11086	5.154	ug/l	100
43) Isopropyl Acetate	8.46	43	8923	4.804	ug/l #	75
44) Trichloroethene	9.11	130	11974	4.851	ug/l	70
45) 1,2-Dichloropropane	9.38	63	9628	5.102	ug/l	91
46) Dibromomethane	9.48	93	5419	4.768	ug/l	88
47) Bromodichloromethane	9.67	83	13695	4.776	ug/l #	88
48) Methyl methacrylate	9.47	41	4236	4.931	ug/l #	87
49) 1,4-Dioxane	9.46	88	1002	77.016	ug/l #	80
51) 4-Methyl-2-Pentanone	10.24	43	22052	21.806	ug/l	90
52) Toluene	10.40	92	25301	4.433	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	11743	4.387	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	14937	4.743	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	7485	4.645	ug/l #	88
56) Ethyl methacrylate	10.67	69	6744	3.854	ug/l	95
57) 1,3-Dichloropropane	10.96	76	12818	4.810	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	19044	26.975	ug/l	99
59) 2-Hexanone	10.99	43	13748	19.076	ug/l	97
60) Dibromochloromethane	11.14	129	9904	4.528	ug/l	98
61) 1,2-Dibromoethane	11.26	107	6610	4.101	ug/l	91
64) Tetrachloroethene	10.87	164	10839	5.007	ug/l	91
65) Chlorobenzene	11.67	112	30330	4.872	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	11327	4.862	ug/l	95
67) Ethyl Benzene	11.75	91	49393	4.460	ug/l	99
68) m/p-Xylenes	11.86	106	39791	8.934	ug/l	98
69) o-Xylene	12.18	106	18311	4.505	ug/l	95
70) Styrene	12.20	104	30942	4.414	ug/l	97
71) Bromoform	12.37	173	6020	4.839	ug/l #	97
73) Isopropylbenzene	12.48	105	46473	4.300	ug/l	97
74) N-amyl acetate	12.29	43	7940	4.423	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.73	83	8130	4.773	ug/l	92
76) 1,2,3-Trichloropropane	12.78	75	9269	4.804	ug/l #	100
77) Bromobenzene	12.76	156	12940	4.959	ug/l	92
78) n-propylbenzene	12.83	91	57324	4.526	ug/l	99
79) 2-Chlorotoluene	12.91	91	30993	4.565	ug/l	95
80) 1,3,5-Trimethylbenzene	12.97	105	42419	4.690	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	2248	4.393	ug/l	86
82) 4-Chlorotoluene	13.01	91	35499	4.894	ug/l	98
83) tert-Butylbenzene	13.23	119	35986	4.430	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	40664	4.476	ug/l	97
85) sec-Butylbenzene	13.40	105	49793	4.463	ug/l	99
86) p-Isopropyltoluene	13.52	119	43391	4.140	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	24794	4.742	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	26730	5.186	ug/l	94
89) n-Butylbenzene	13.84	91	43825	4.533	ug/l	98
90) Hexachloroethane	14.11	117	9446	4.813	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	23045	5.121	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1178	4.735	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
Data File : VD064083.D
Acq On : 29 Oct 2019 12:15
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 30 07:35:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 07:33:28 2019
Response via : Initial Calibration

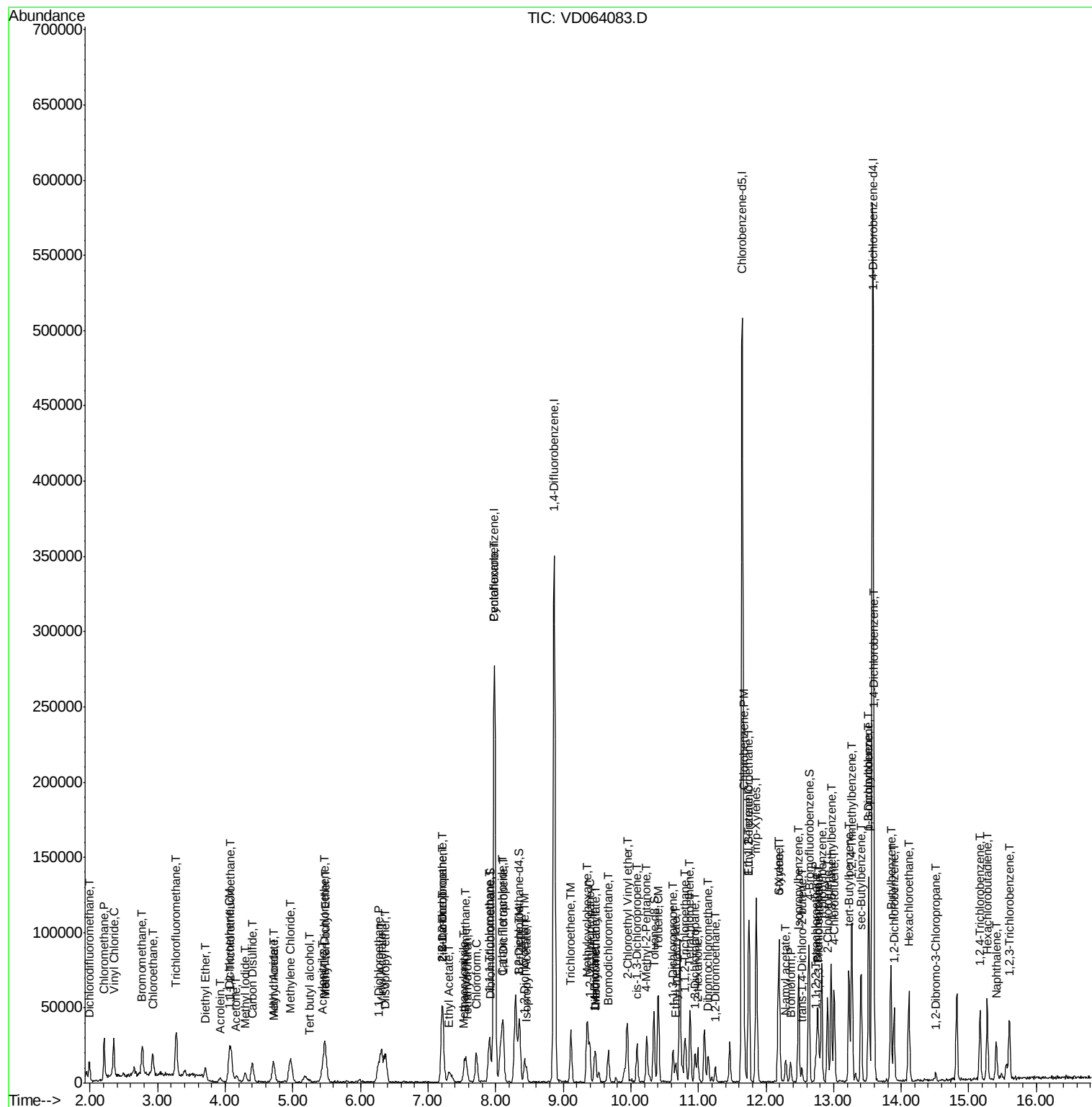
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	14621	4.520	ug/l	94
94) Hexachlorobutadiene	15.27	225	8607	4.553	ug/l	91
95) Naphthalene	15.41	128	23306	4.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	13347	4.764	ug/l	98

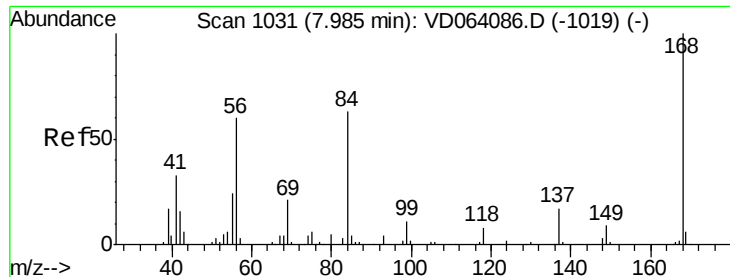
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102919\
Data File : VD064083.D
Acq On : 29 Oct 2019 12:15
Operator : VA/SY
Sample : VSTDIC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 30 07:35:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 07:33:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

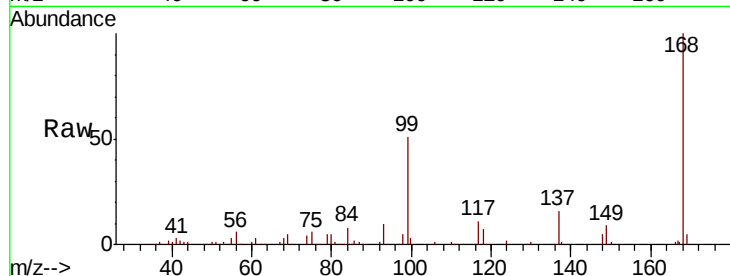
ClientSampleId :

Tot Ion:168 Resp: 206123

Ion Ratio Lower Upper

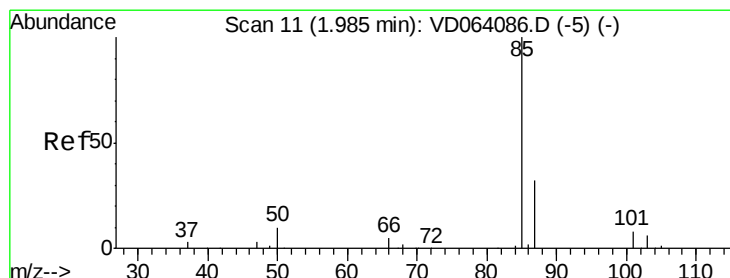
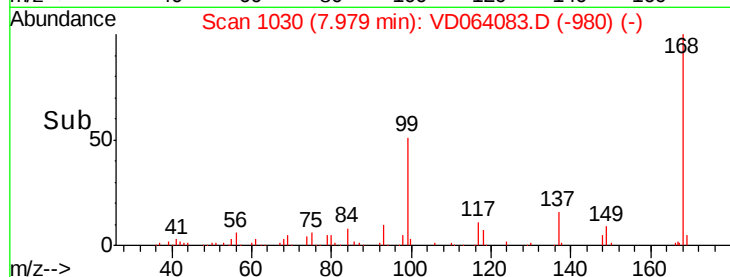
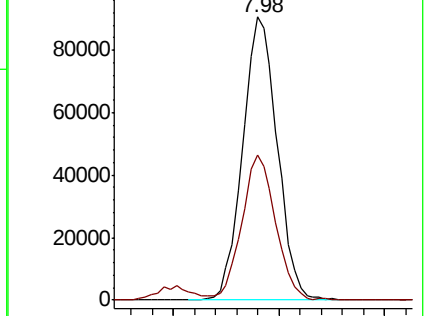
168 100

99 51.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.615 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064083.D

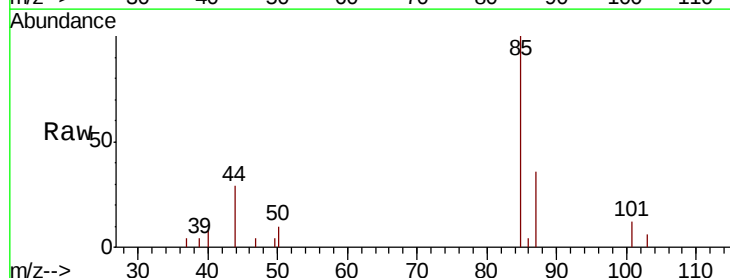
Acq: 29 Oct 2019 12:15

Tgt Ion: 85 Resp: 9714

Ion Ratio Lower Upper

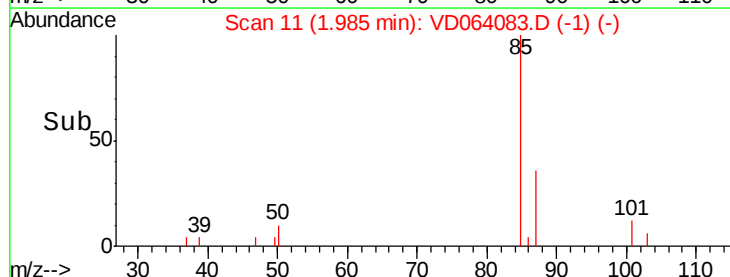
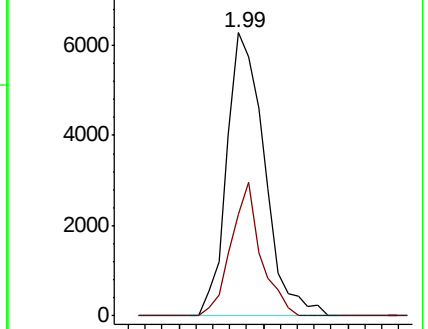
85 100

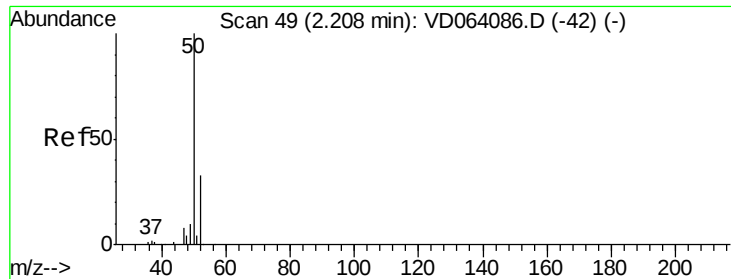
87 35.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.647 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

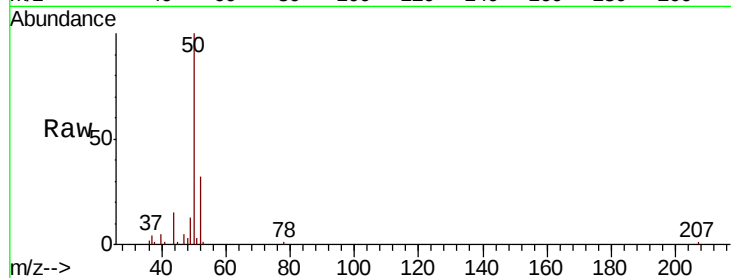
ClientSampleId :

Tot Ion: 50 Resp: 19830

Ion Ratio Lower Upper

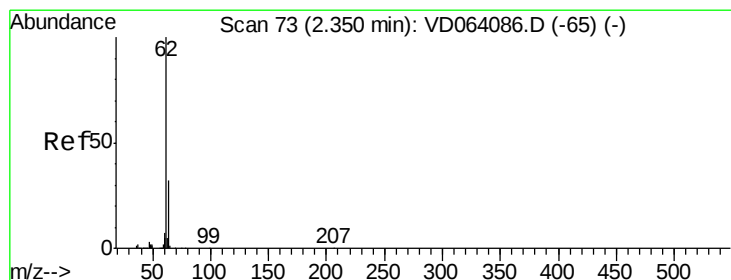
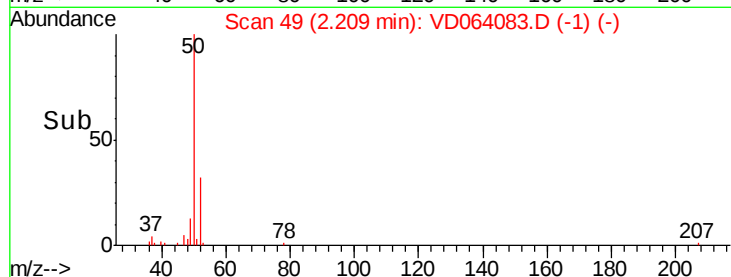
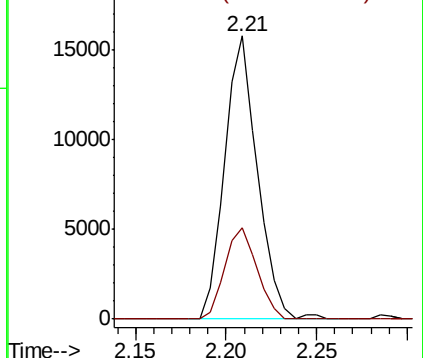
50 100

52 32.5 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.300 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064083.D

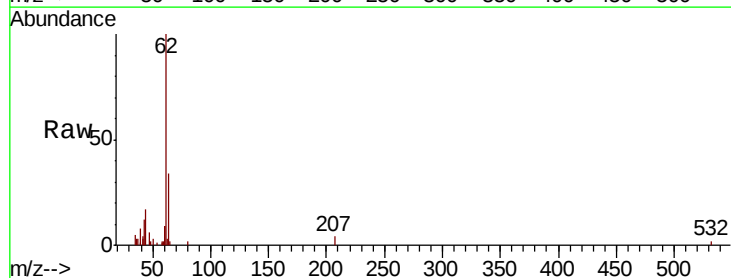
Acq: 29 Oct 2019 12:15

Tgt Ion: 62 Resp: 20182

Ion Ratio Lower Upper

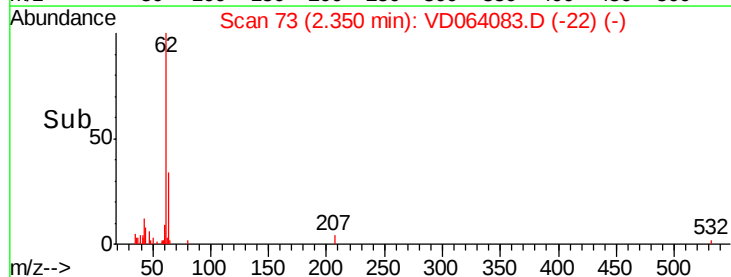
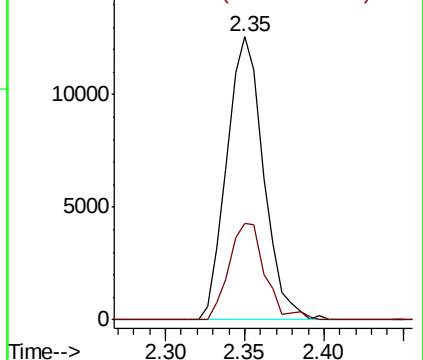
62 100

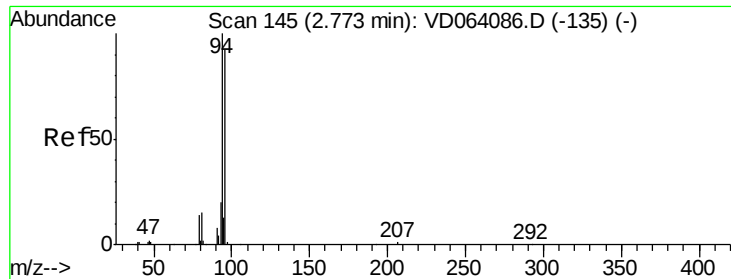
64 34.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.070 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

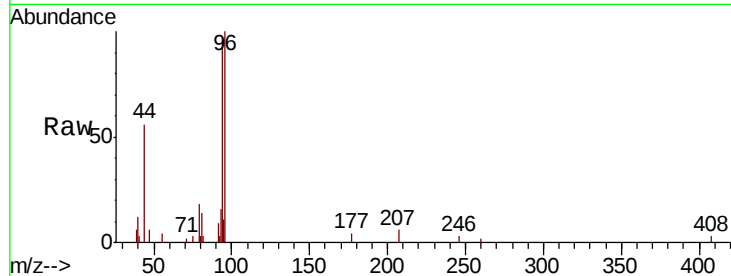
ClientSampleId :

Tot Ion: 94 Resp: 12583

Ion Ratio Lower Upper

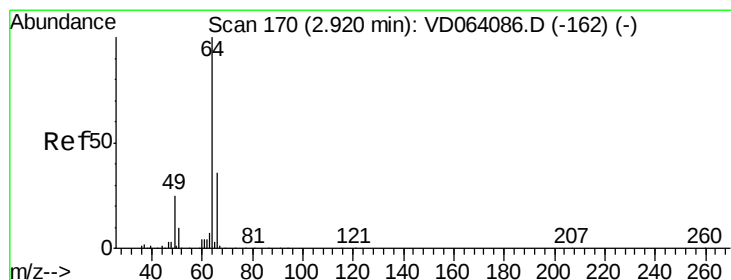
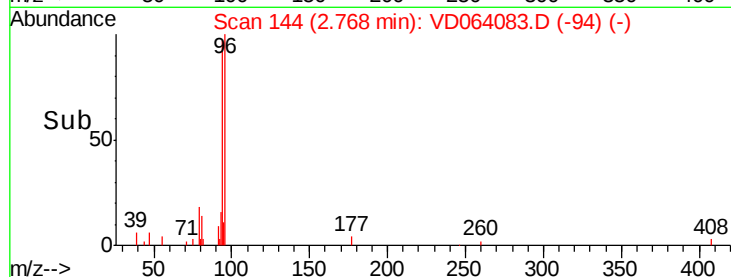
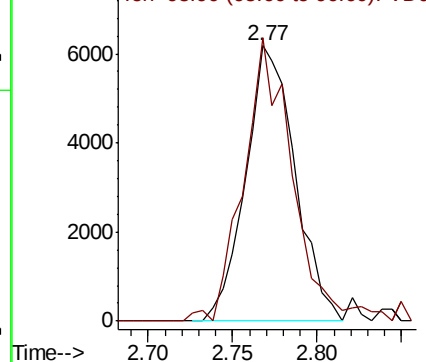
94 100

96 99.9 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.026 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064083.D

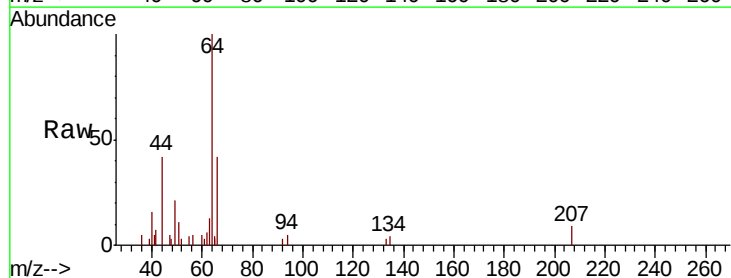
Acq: 29 Oct 2019 12:15

Tgt Ion: 64 Resp: 11887

Ion Ratio Lower Upper

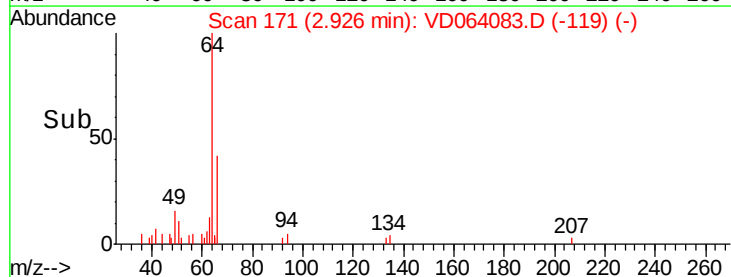
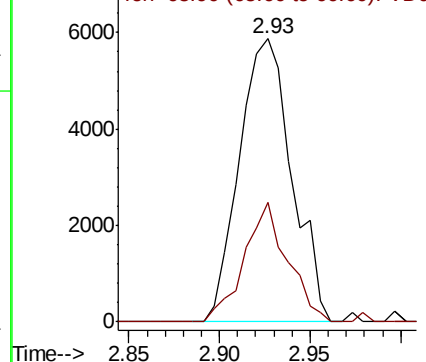
64 100

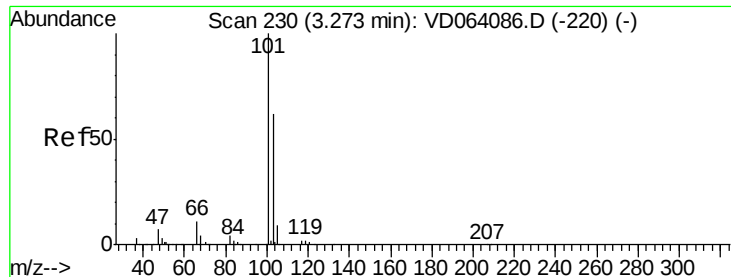
66 42.3 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



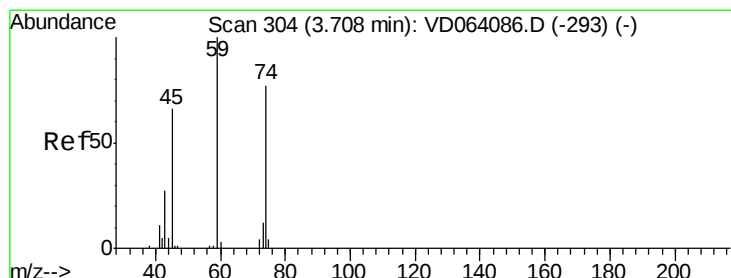
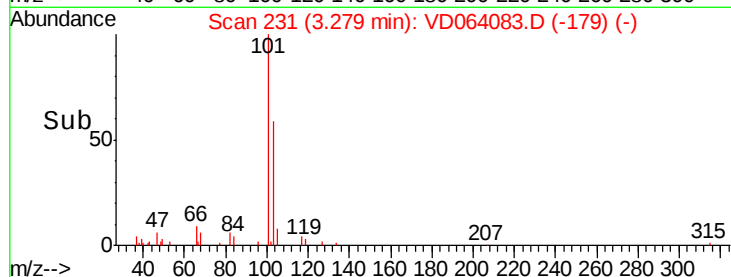
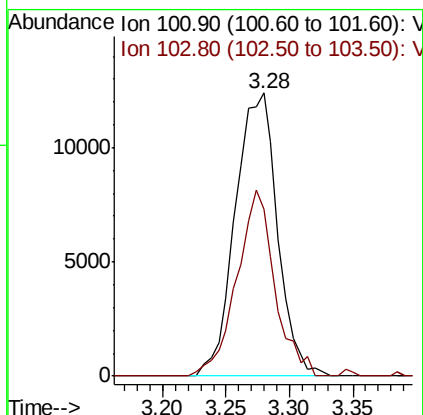
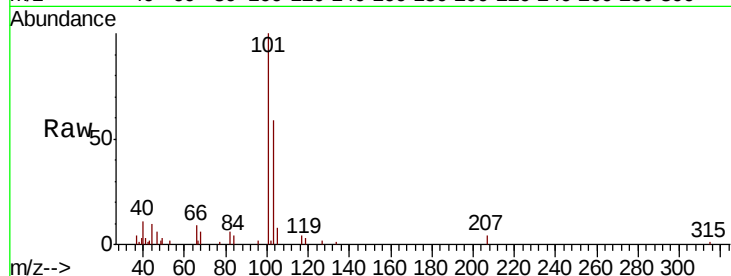


#7

Trichlorofluoromethane
 Concen: 5.459 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

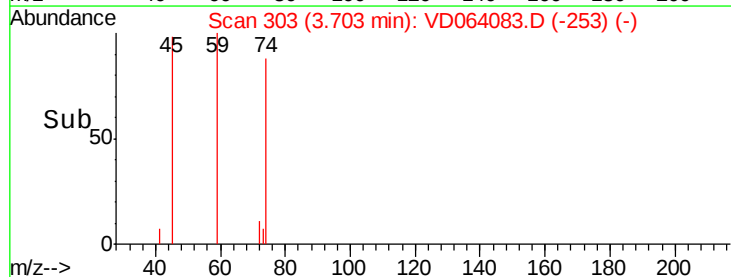
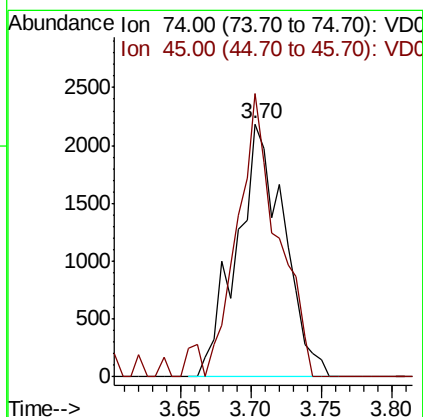
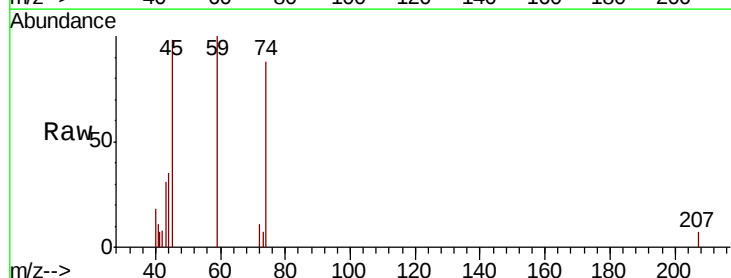
Tot Ion:101 Resp: 28620
 Ion Ratio Lower Upper
 101 100
 103 59.1 49.6 74.4

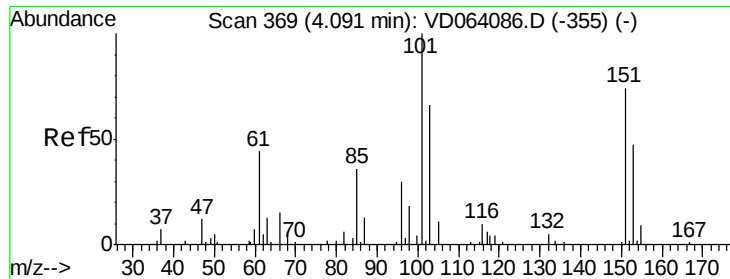


#8

Diethyl Ether
 Concen: 5.624 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 74 Resp: 5125
 Ion Ratio Lower Upper
 74 100
 45 94.5 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.232 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

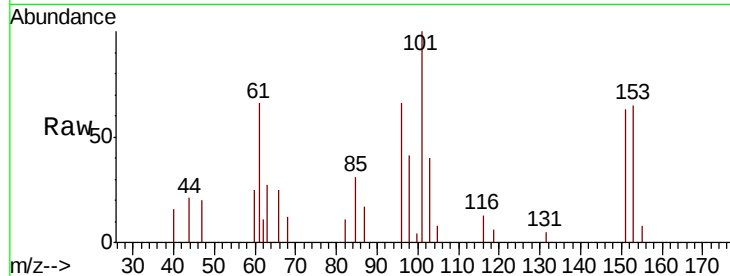
Tot Ion:101 Resp: 9884

Ion Ratio Lower Upper

101 100

85 41.3 35.3 52.9

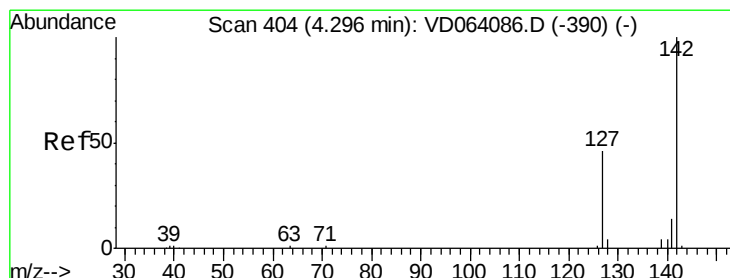
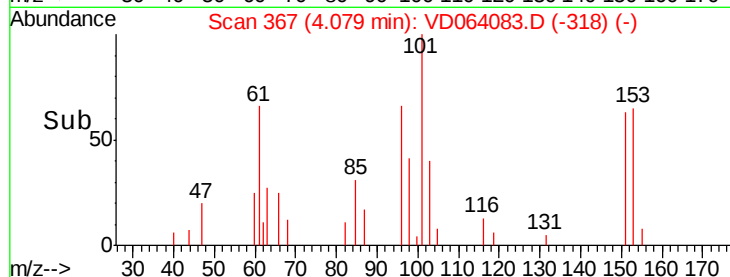
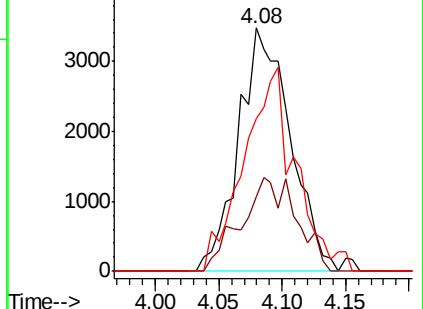
151 83.1 67.0 100.6



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: 4.068 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

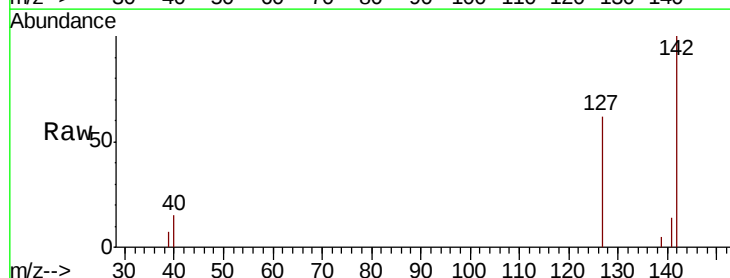
Tgt Ion:142 Resp: 9521

Ion Ratio Lower Upper

142 100

127 52.3 35.1 52.7

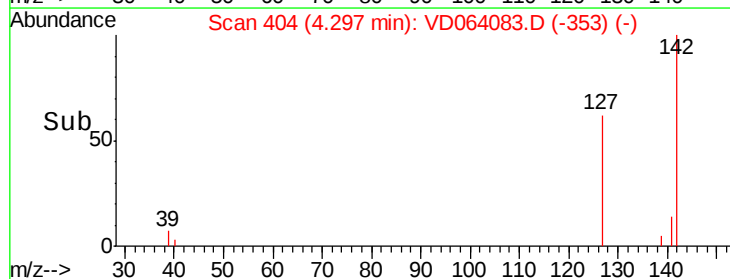
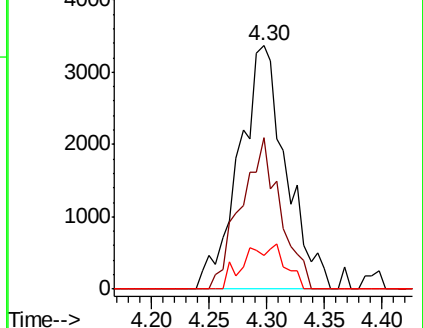
141 9.1 11.6 17.4#

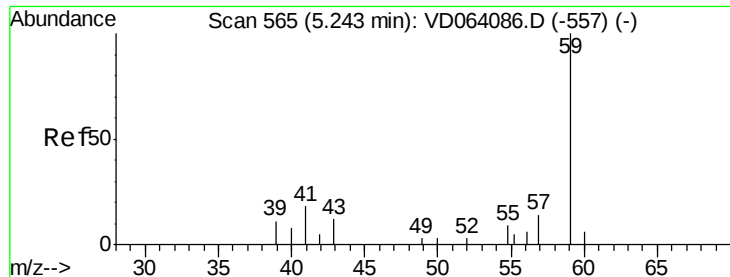


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



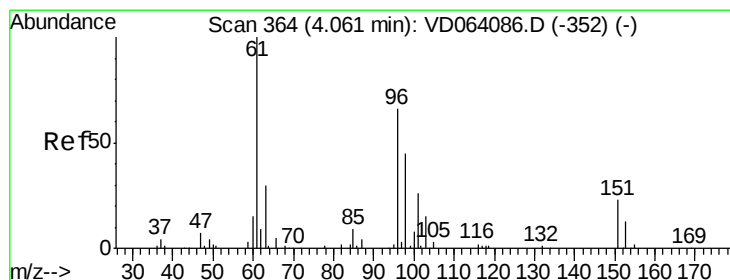
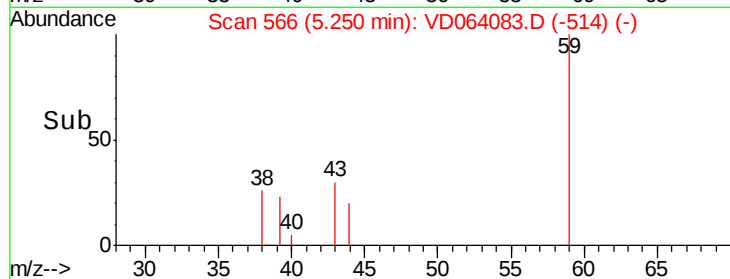
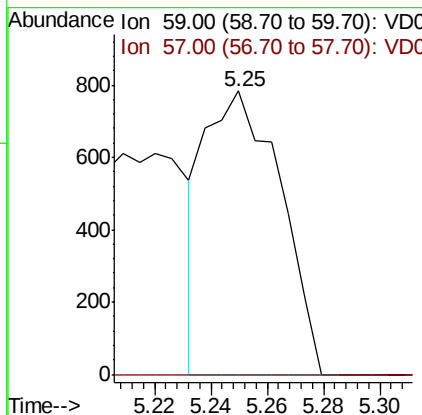
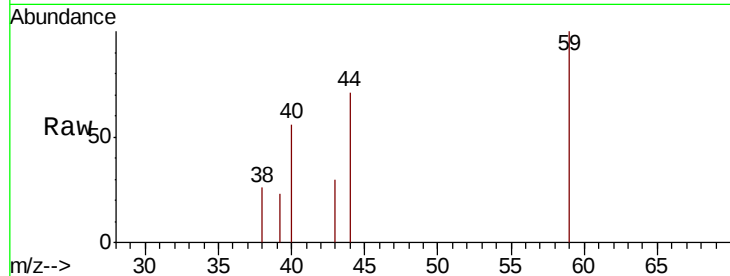


#11

Tert butyl alcohol
 Concen: 10.493 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

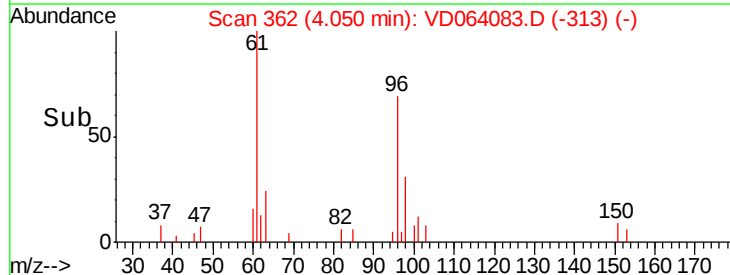
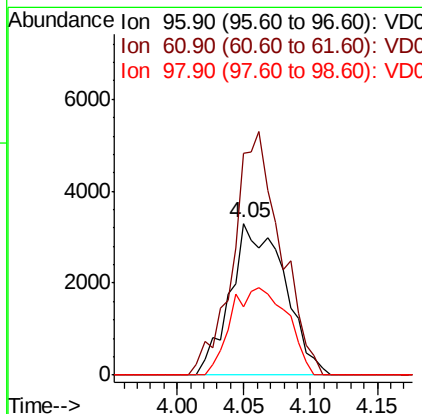
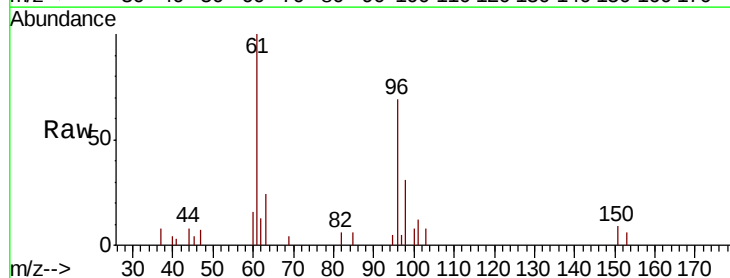
Tot Ion: 59 Resp: 1450
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

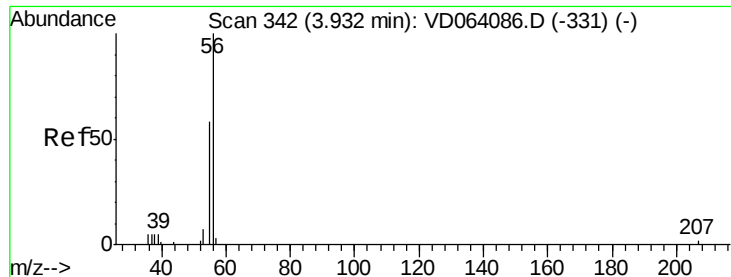


#12

1,1-Dichloroethene
 Concen: 5.202 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 96 Resp: 9301
 Ion Ratio Lower Upper
 96 100
 61 145.8 121.8 182.6
 98 44.9 55.4 83.0#





#13

Acrolein

Concen: 31.083 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

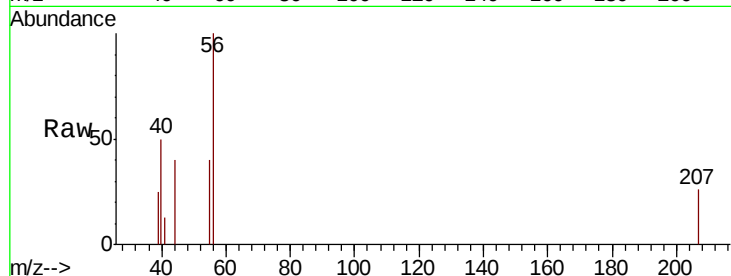
ClientSampled :

Tot Ion: 56 Resp: 3249

Ion Ratio Lower Upper

56 100

55 55.5 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

1500

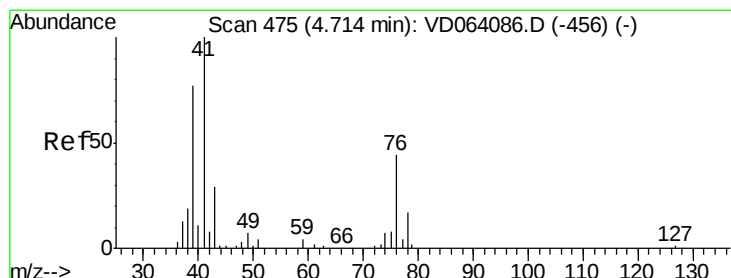
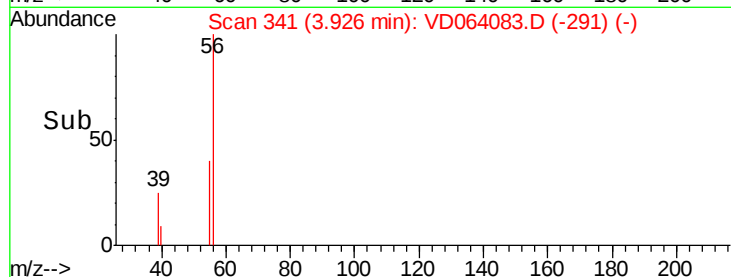
1000

500

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 4.574 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

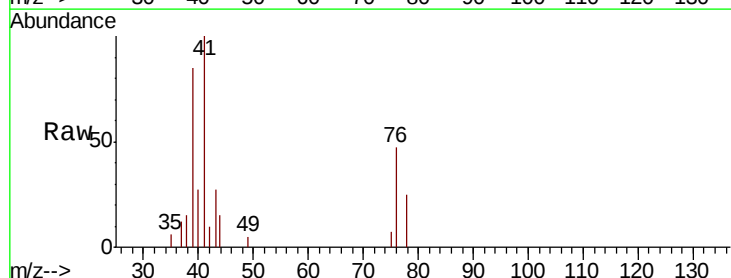
Tgt Ion: 41 Resp: 9572

Ion Ratio Lower Upper

41 100

39 84.7 61.5 92.3

76 45.9 36.2 54.4



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

4000

3000

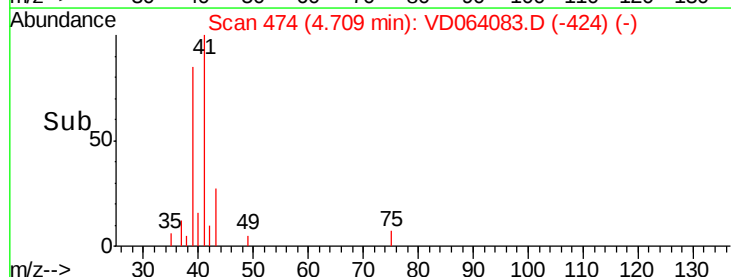
2000

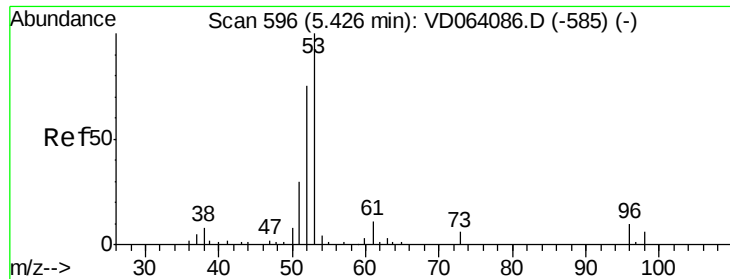
1000

0

4.60 4.65 4.70 4.75 4.80

Time-->





#15

Acrylonitrile

Concen: 24.498 ug/l

RT: 5.44 min Scan# 598

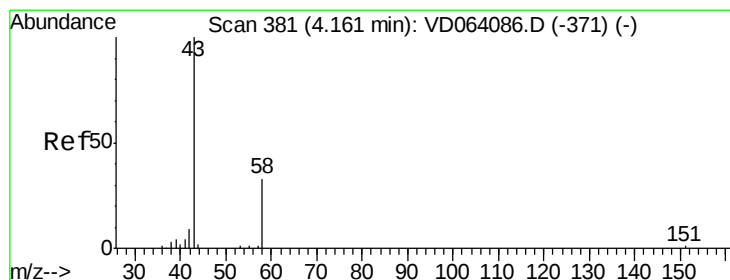
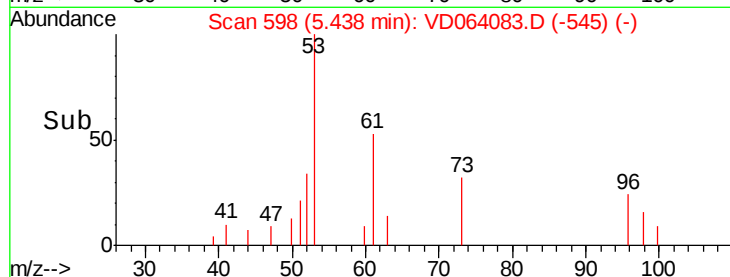
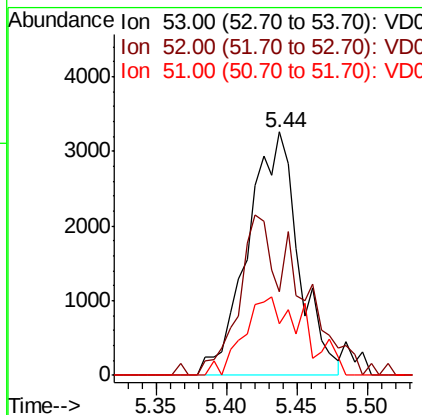
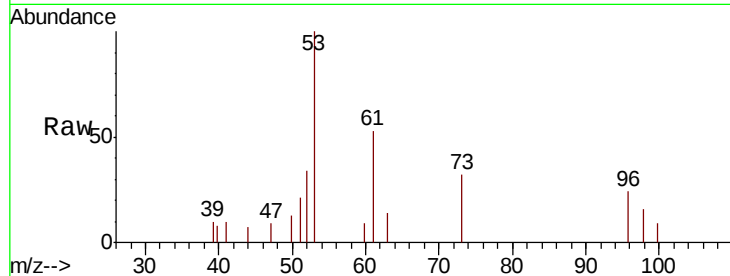
Delta R.T. 0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	53	Resp:	8246
Ion	Ratio	Lower	Upper
53	100		
52	45.9	66.2	99.4#
51	38.3	29.0	43.6



#16

Acetone

Concen: 23.965 ug/l

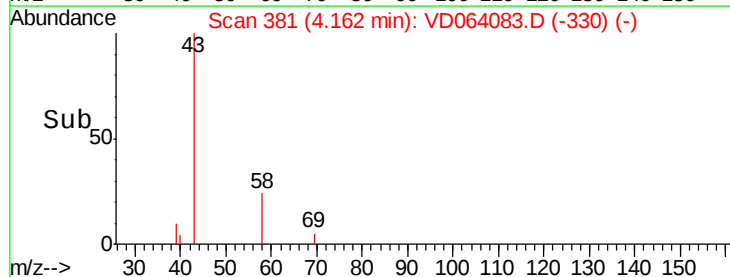
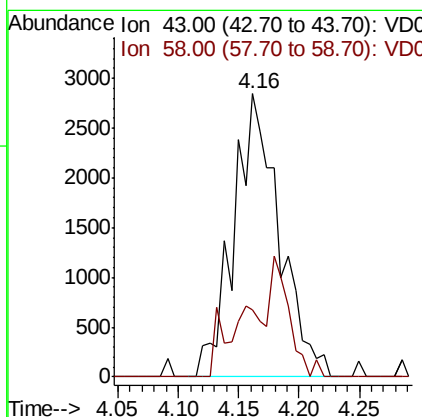
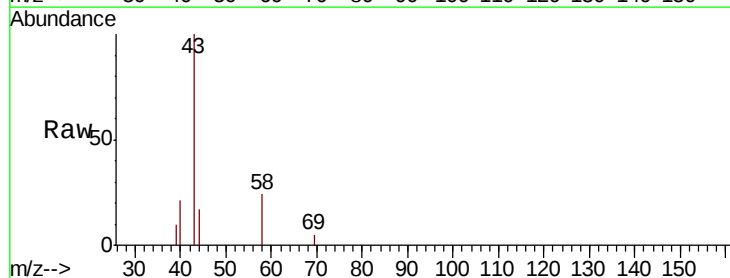
RT: 4.16 min Scan# 381

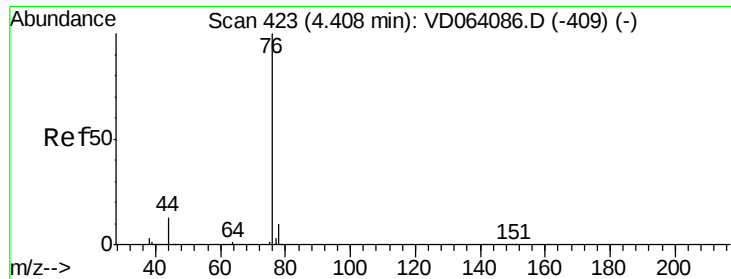
Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Tgt Ion:	43	Resp:	7475
Ion	Ratio	Lower	Upper
43	100		
58	23.9	26.3	39.5#

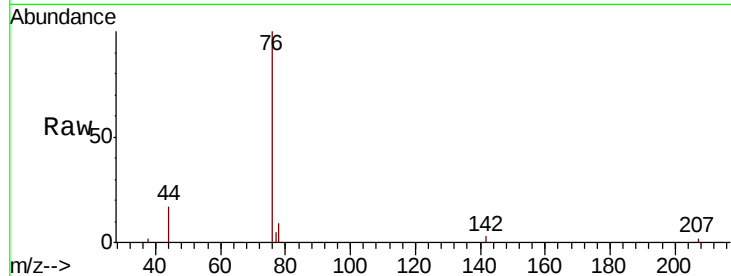




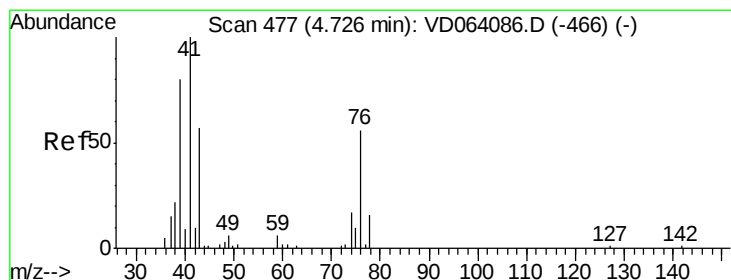
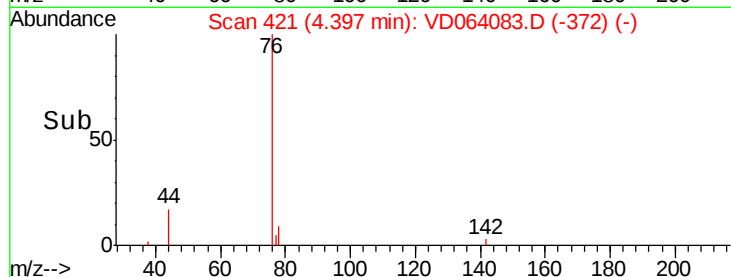
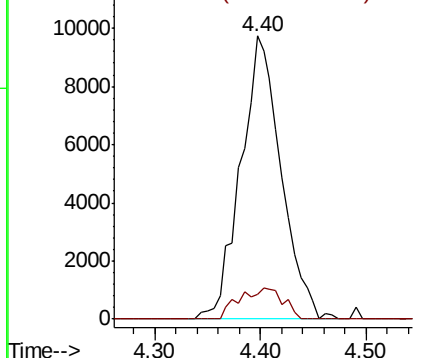
#17
Carbon Disulfide
Concen: 4.703 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 25842
Ion Ratio Lower Upper
76 100
78 9.0 8.1 12.1

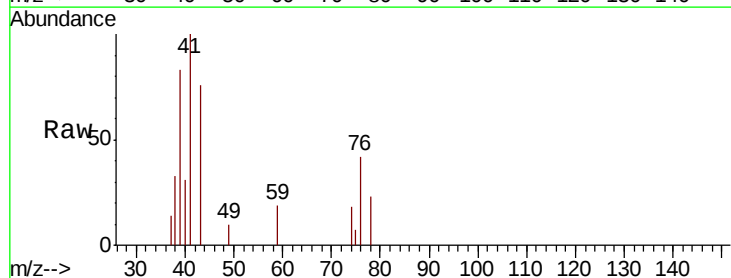


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

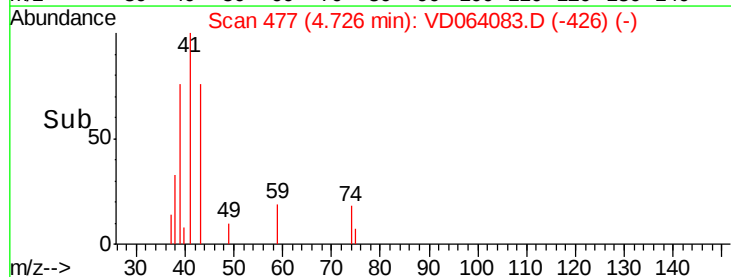
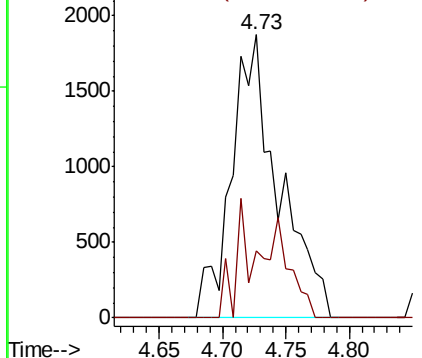


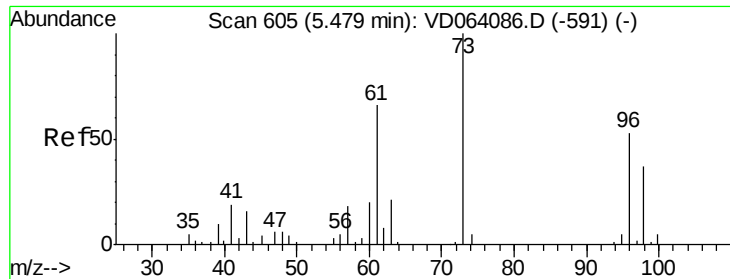
#18
Methyl Acetate
Concen: 5.828 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 43 Resp: 4835
Ion Ratio Lower Upper
43 100
74 16.4 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

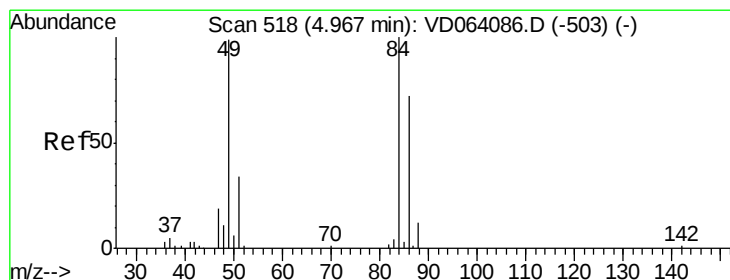
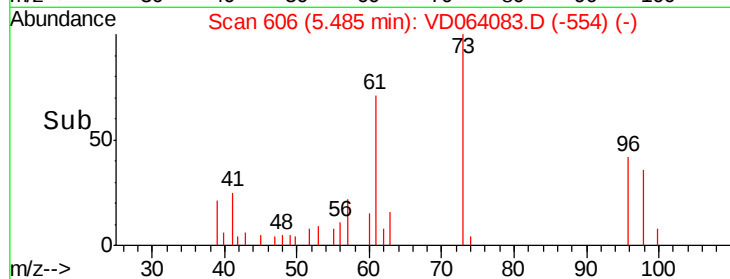
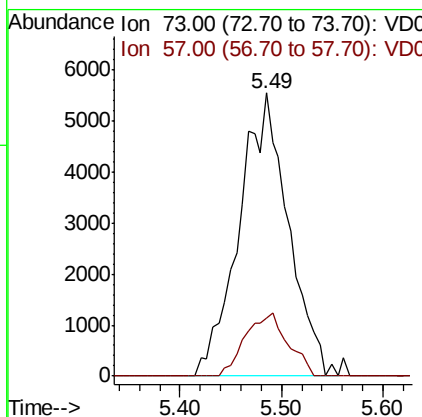
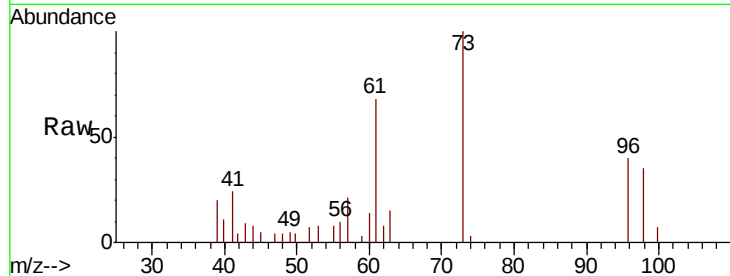




#19
Methvl tert-butvl Ether
Concen: 5.157 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

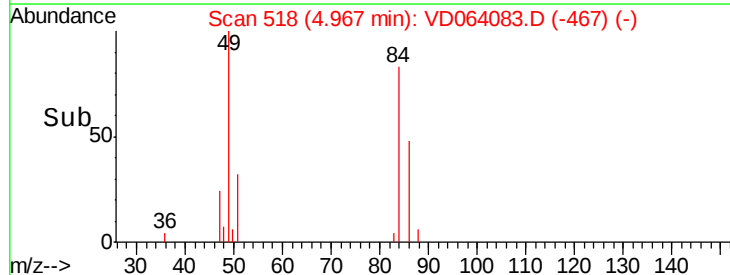
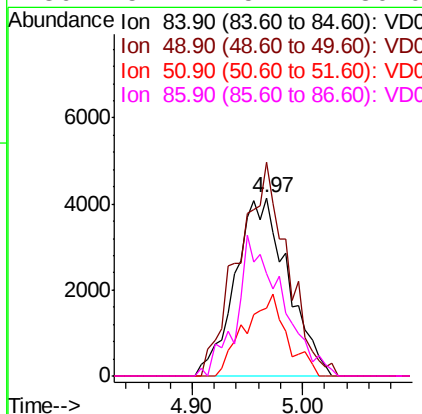
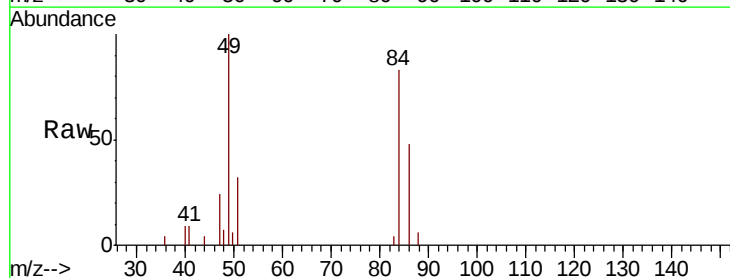
Instrument :
MSVOA_D
ClientSampleId :

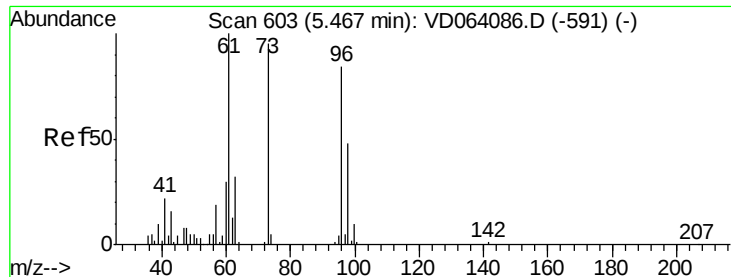
Tot Ion: 73 Resp: 18711
Ion Ratio Lower Upper
73 100
57 20.5 14.3 21.5



#20
Methylene Chloride
Concen: 6.171 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 84 Resp: 13753
Ion Ratio Lower Upper
84 100
49 119.9 79.4 119.0#
51 38.2 27.4 41.2
86 57.7 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 4.904 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

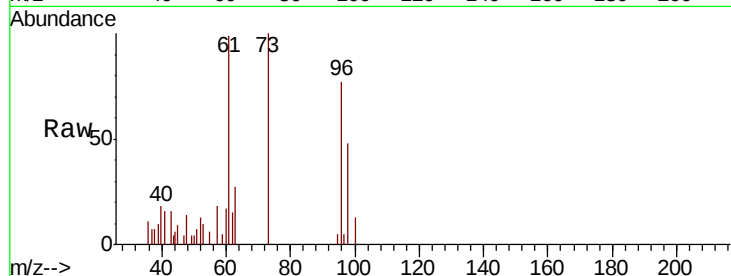
Tot Ion: 96 Resp: 9844

Ion Ratio Lower Upper

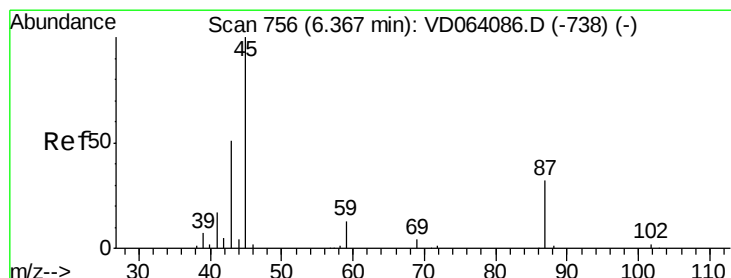
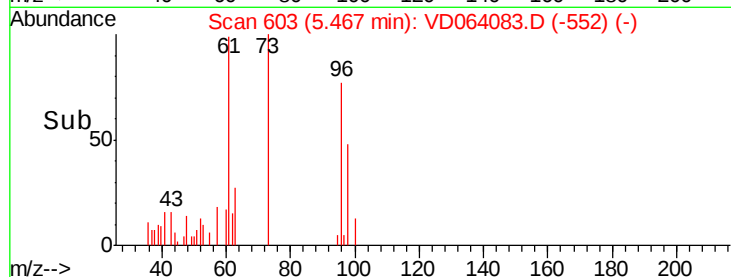
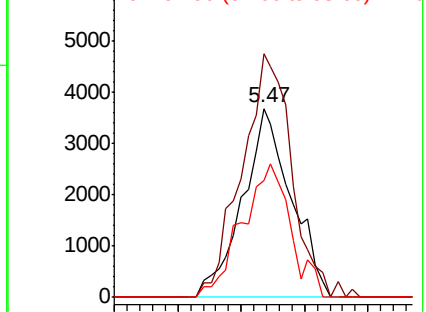
96 100

61 129.0 95.0 142.6

98 62.3 45.8 68.8



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



#22

Diisopropyl ether

Concen: 4.761 ug/l

RT: 6.38 min Scan# 758

Delta R.T. 0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Tgt Ion: 45 Resp: 22065

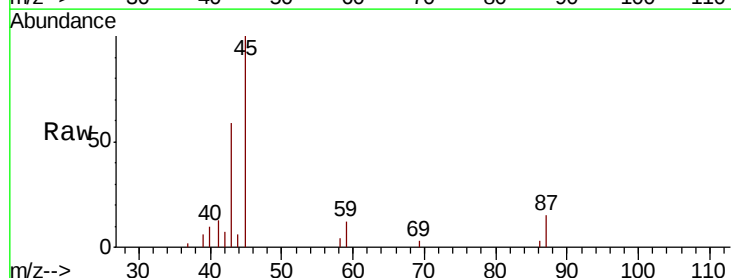
Ion Ratio Lower Upper

45 100

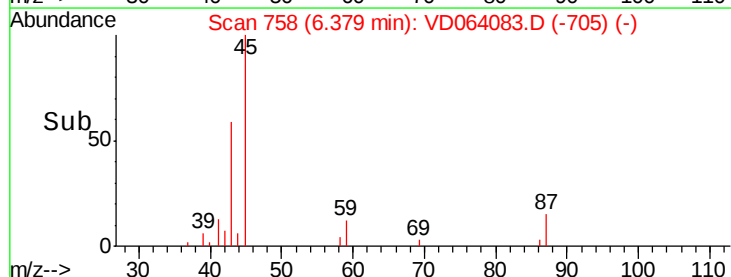
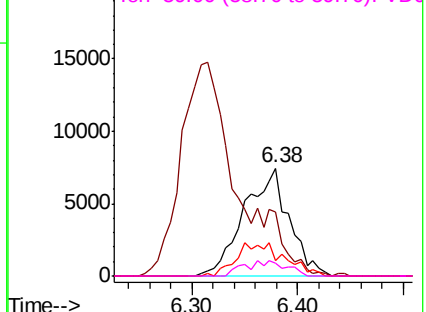
43 56.3 44.3 66.5

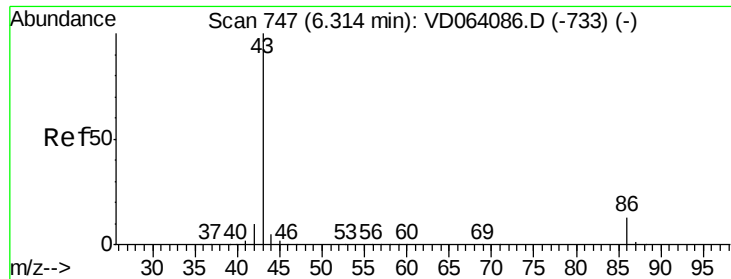
87 14.9 26.6 39.8#

59 12.3 10.2 15.2



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: 17.804 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

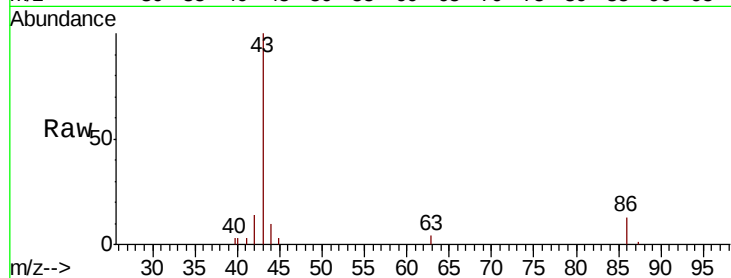
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 46189

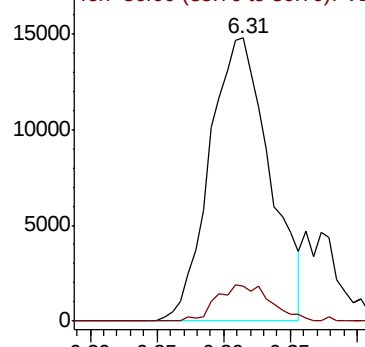
Ion Ratio Lower Upper

43 100

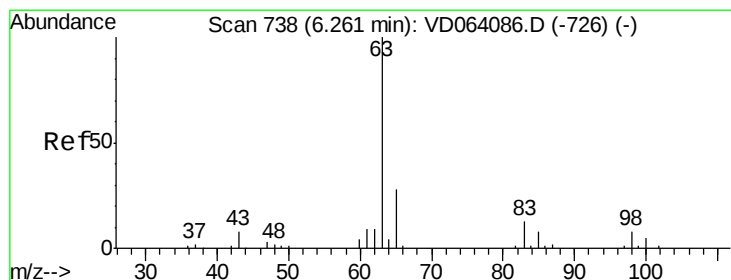
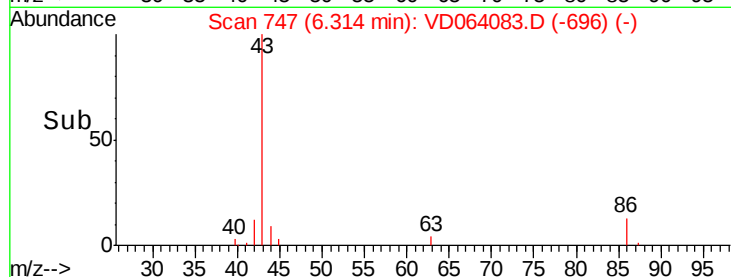
86 12.6 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 5.282 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

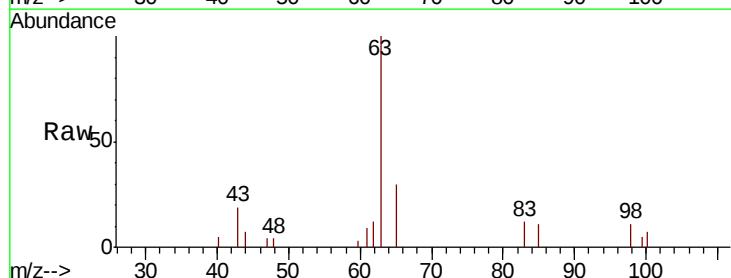
Tgt Ion: 63 Resp: 16532

Ion Ratio Lower Upper

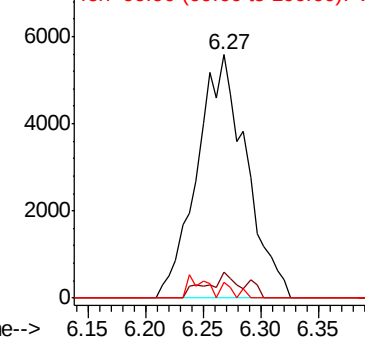
63 100

98 10.7 4.0 11.9

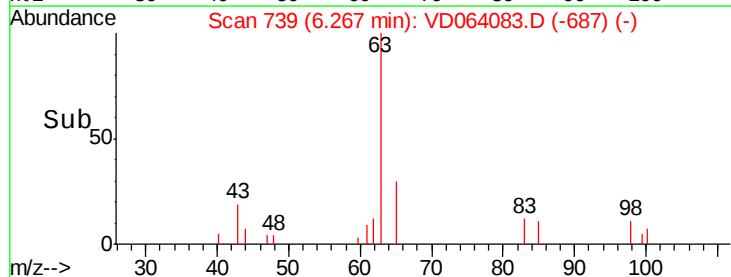
100 6.7 2.6 7.8

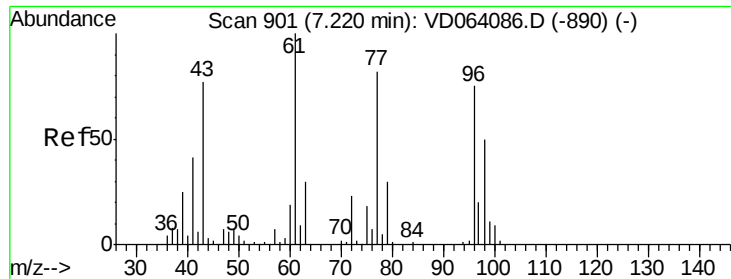


Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 22.994 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

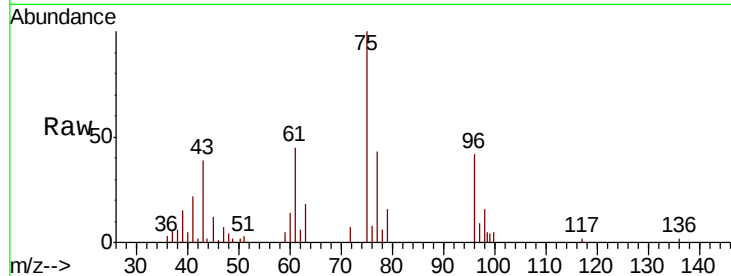
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 9915

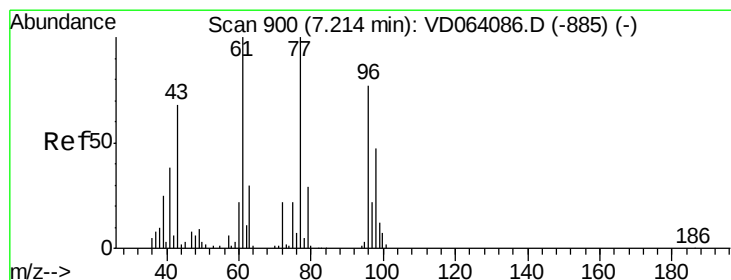
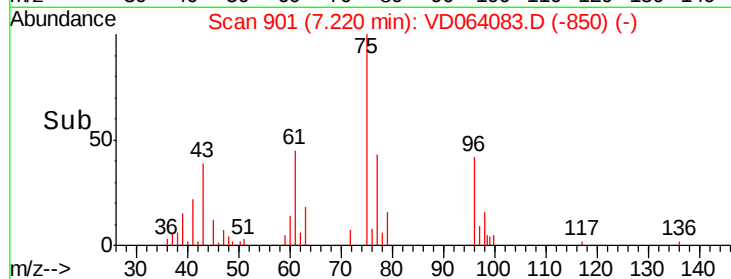
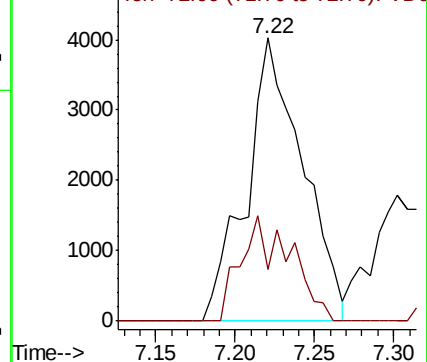
Ion Ratio Lower Upper

43 100

72 18.3 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.214 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064083.D

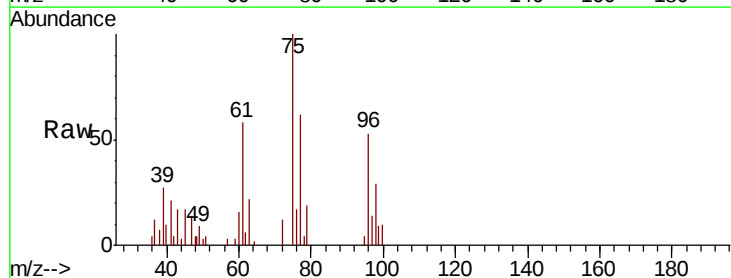
Acq: 29 Oct 2019 12:15

Tgt Ion: 77 Resp: 15489

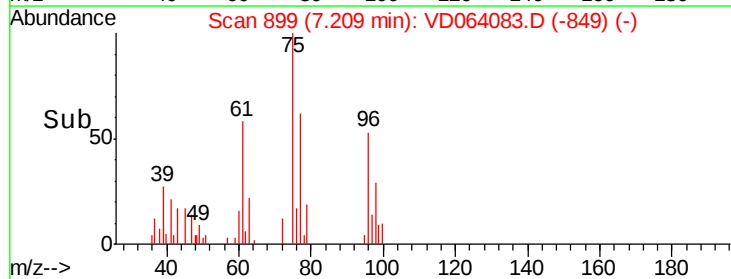
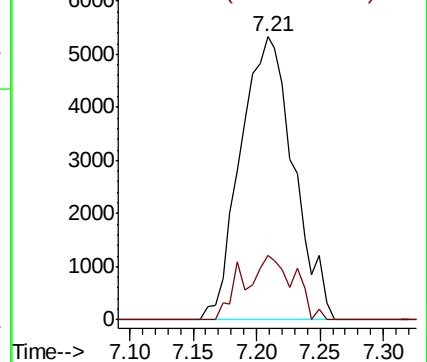
Ion Ratio Lower Upper

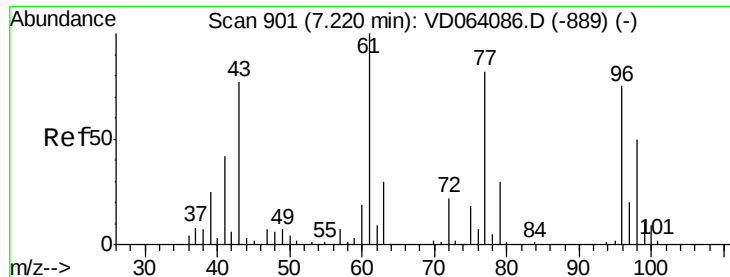
77 100

97 16.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



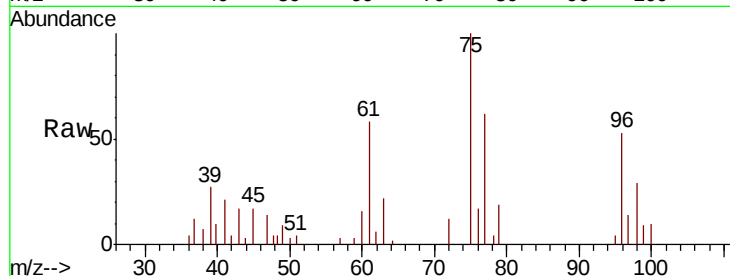


#27

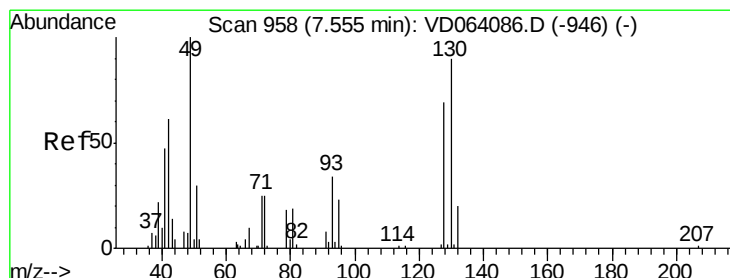
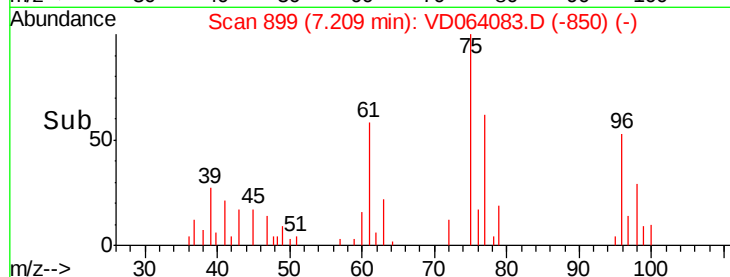
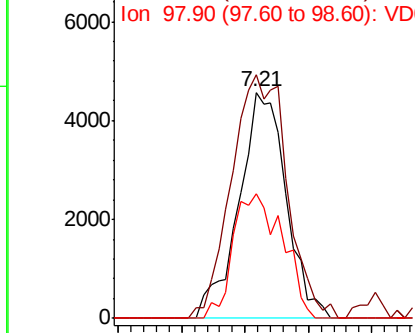
cis-1,2-Dichloroethene
Concen: 5.263 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 11820
Ion Ratio Lower Upper
96 100
61 126.9 0.0 258.0
98 57.6 0.0 130.8



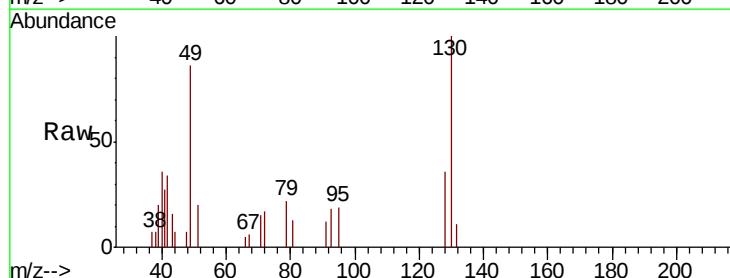
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



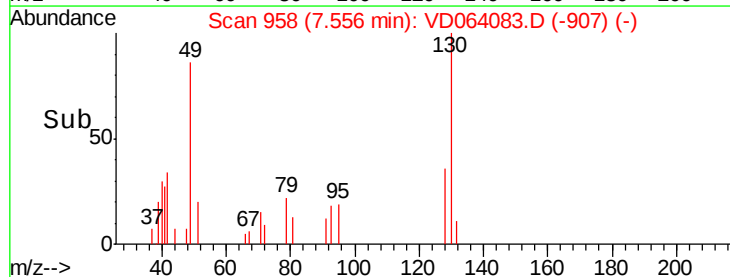
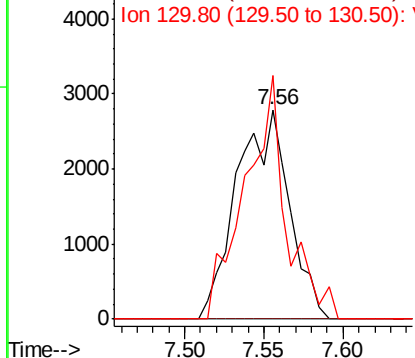
#28

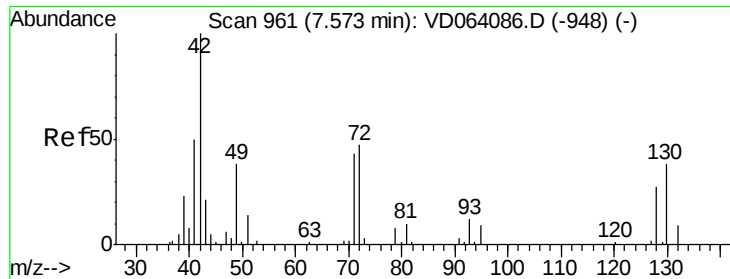
Bromochloromethane
Concen: 5.624 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 49 Resp: 6421
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 92.1 75.3 112.9



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

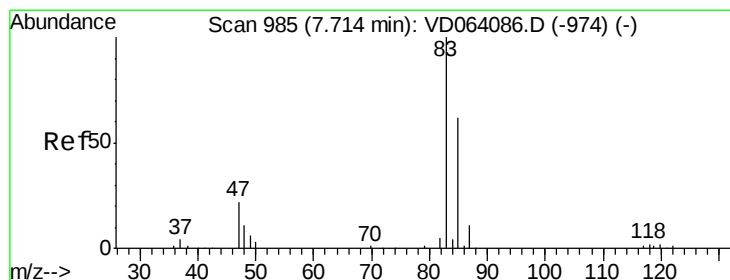
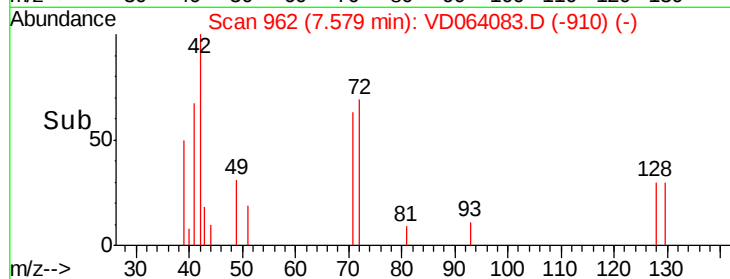
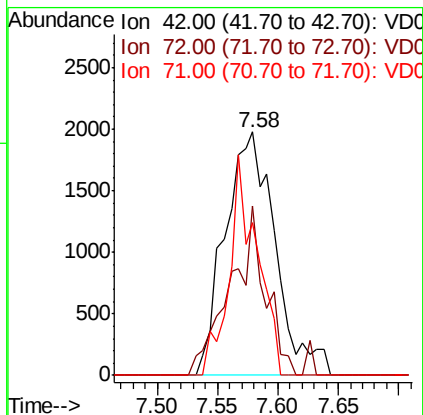
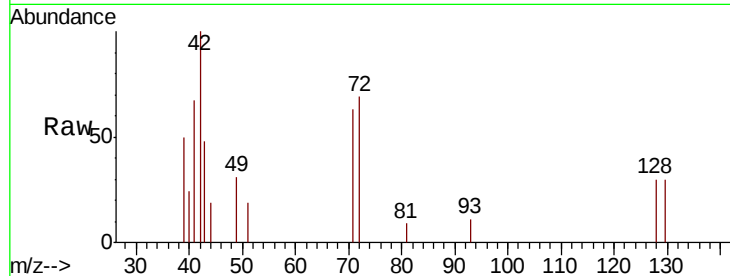




#29
Tetrahydrofuran
Concen: 22.682 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

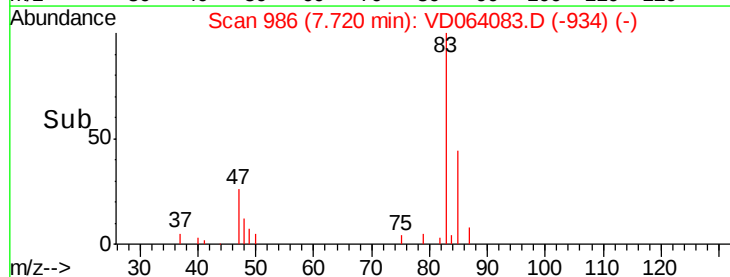
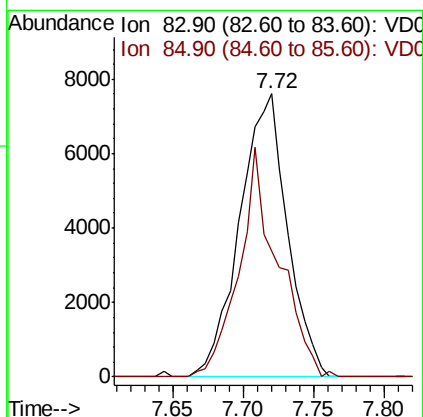
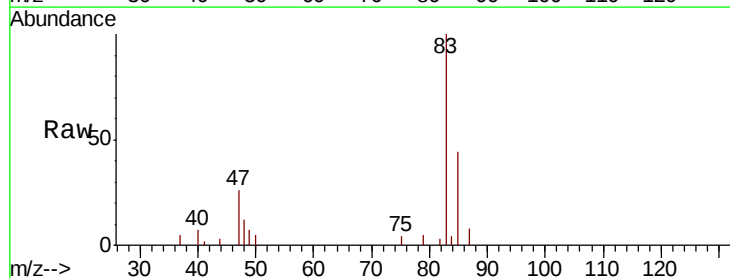
Instrument :
MSVOA_D
ClientSampled :

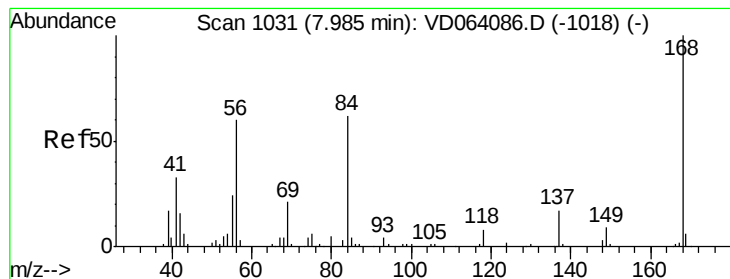
Tot Ion: 42 Resp: 5708
Ion Ratio Lower Upper
42 100
72 48.7 38.9 58.3
71 50.4 35.4 53.2



#30
Chloroform
Concen: 5.031 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 83 Resp: 18016
Ion Ratio Lower Upper
83 100
85 44.4 49.8 74.6#





#31

Cyclohexane

Concen: 5.633 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

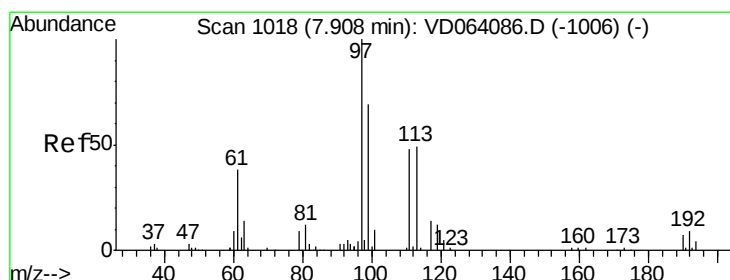
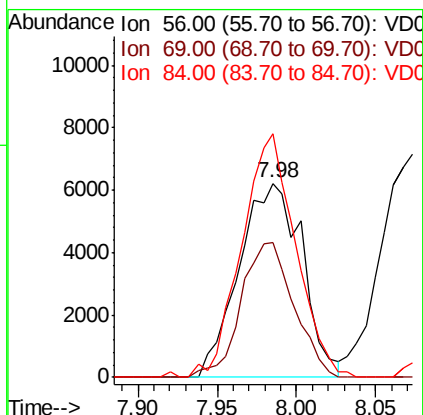
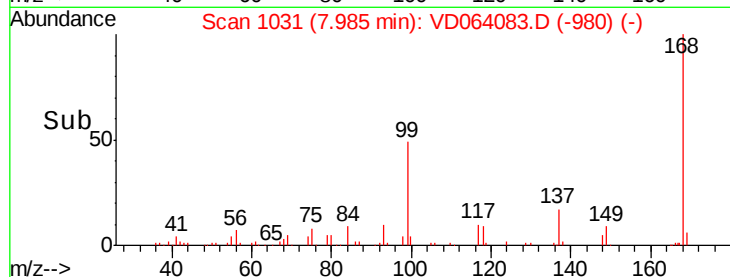
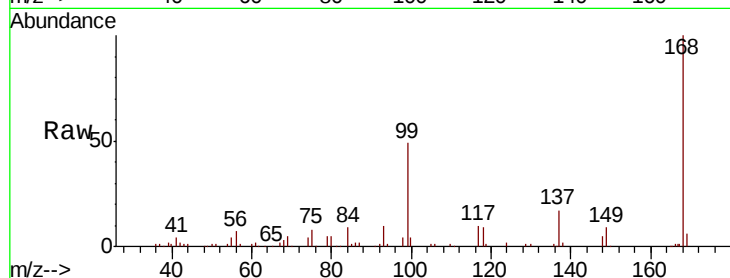
Tot Ion: 56 Resp: 17176

Ion Ratio Lower Upper

56 100

69 69.2 27.7 41.5#

84 125.4 83.1 124.7#



#32

1,1,1-Trichloroethane

Concen: 5.071 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

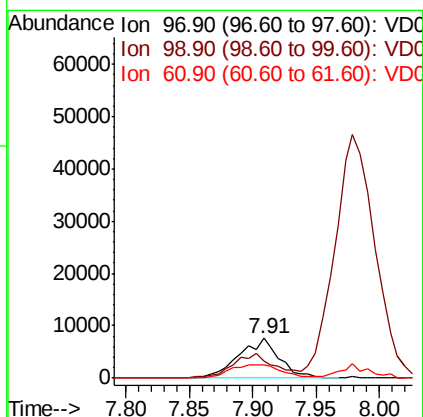
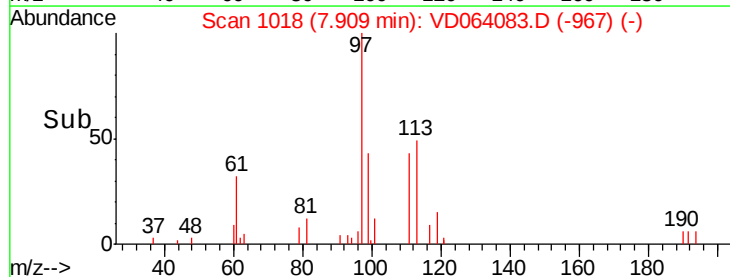
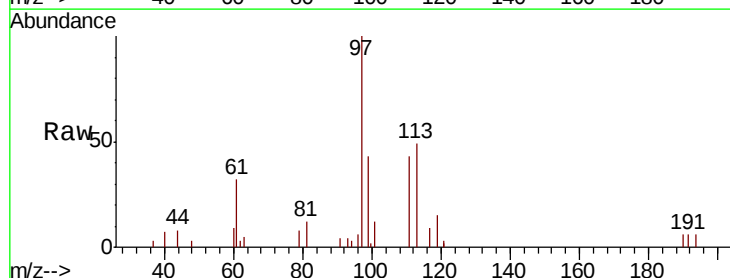
Tgt Ion: 97 Resp: 16906

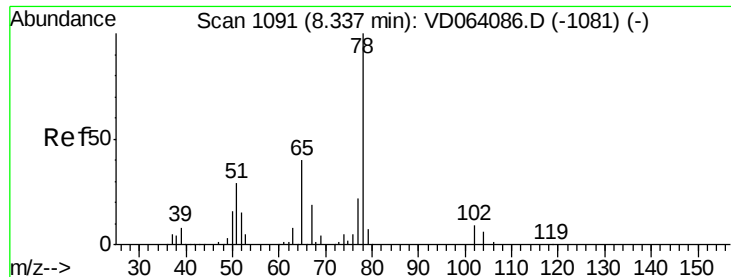
Ion Ratio Lower Upper

97 100

99 64.3 53.7 80.5

61 42.6 31.8 47.6

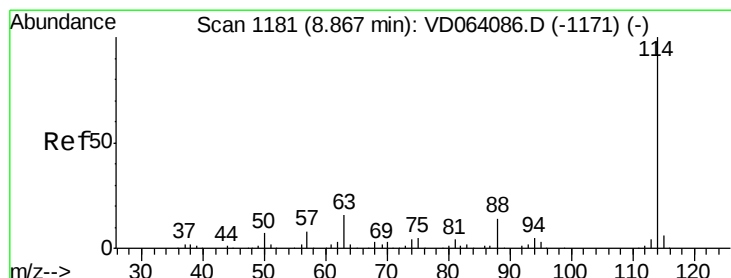
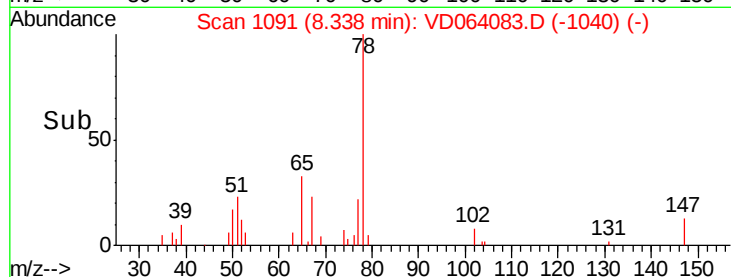
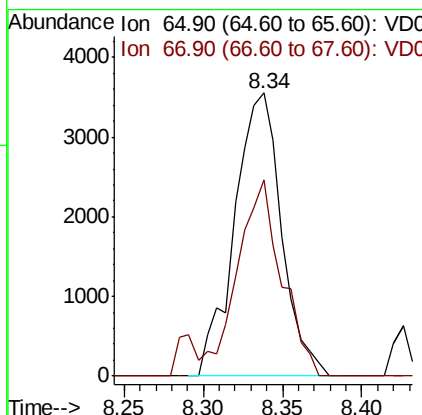
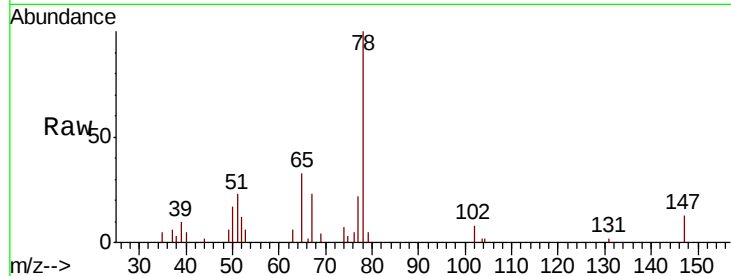




#33
 1,2-Dichloroethane-d4
 Concen: 4.473 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

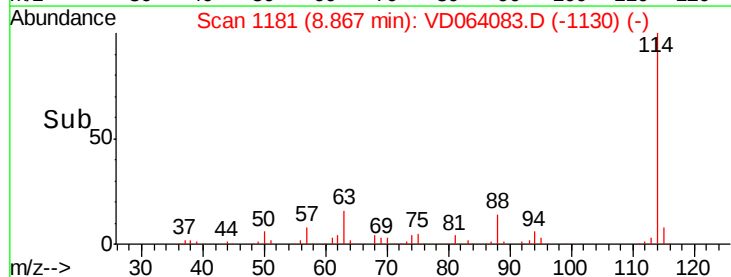
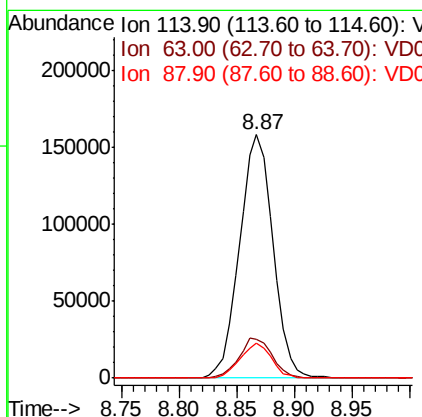
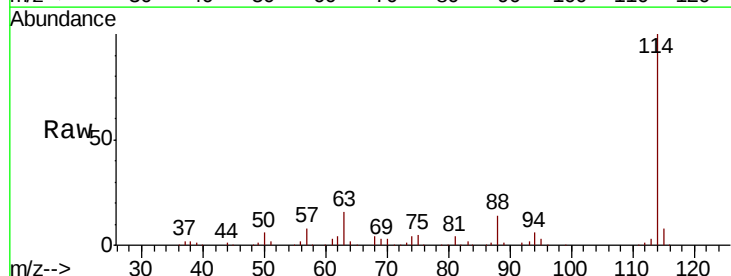
Instrument :
 MSVOA_D
 ClientSampleId :

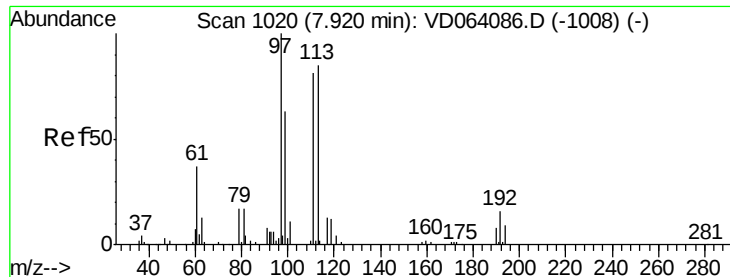
Tot Ion: 65 Resp: 7333
 Ion Ratio Lower Upper
 65 100
 67 62.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 114 Resp: 318688
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 32.8
 88 14.3 0.0 27.6





#35

Dibromofluoromethane

Concen: 4.812 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

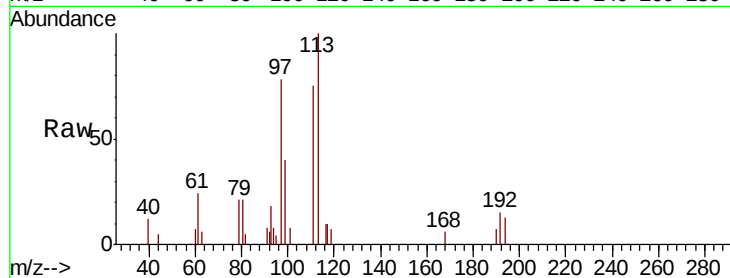
Tot Ion:113 Resp: 9434

Ion Ratio Lower Upper

113 100

111 99.3 79.3 118.9

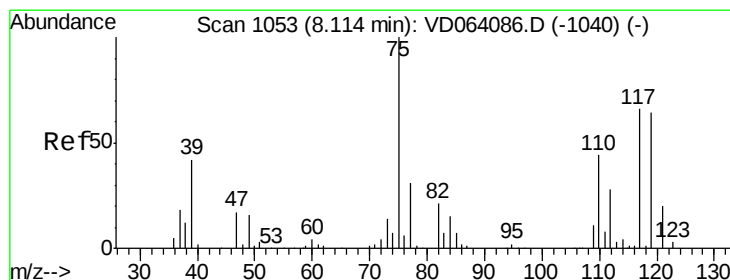
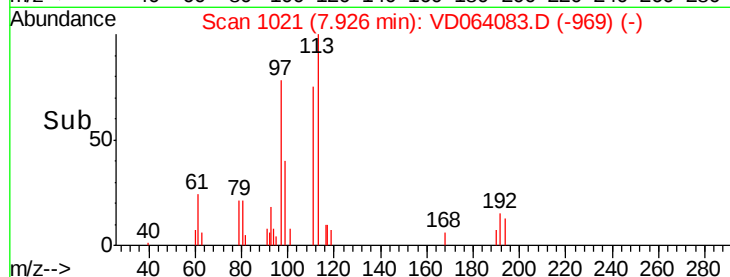
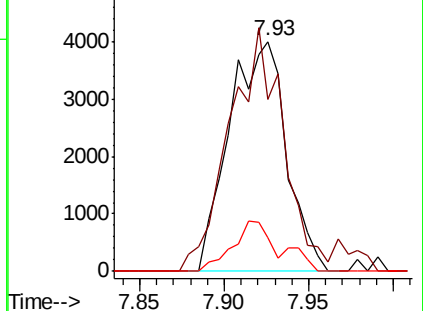
192 17.9 16.2 24.2



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: 5.528 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

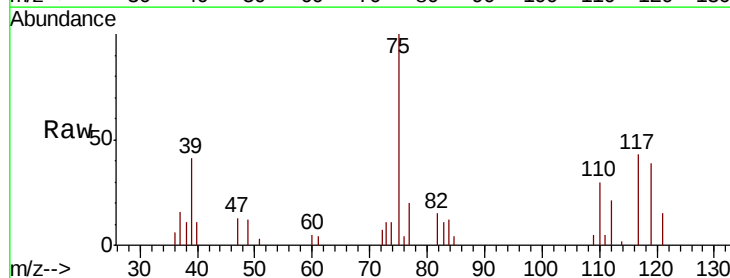
Tgt Ion: 75 Resp: 16507

Ion Ratio Lower Upper

75 100

110 34.4 20.0 59.9

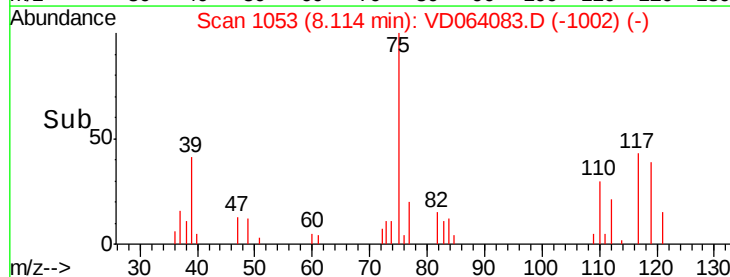
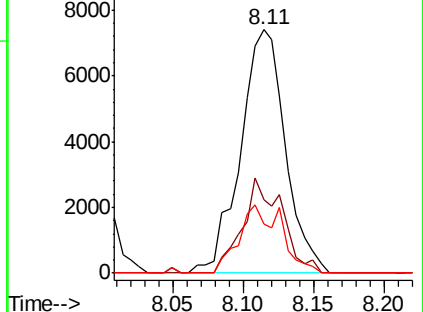
77 26.6 24.7 37.1

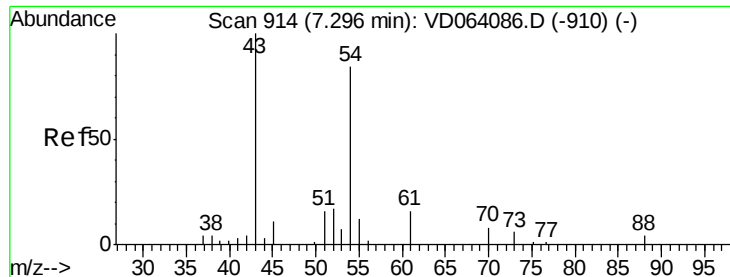


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 4.851 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :
MSVOA_D
ClientSampled :

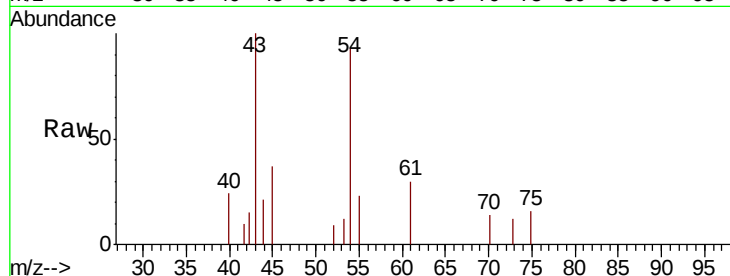
Tot Ion: 43 Resp: 4459

Ion Ratio Lower Upper

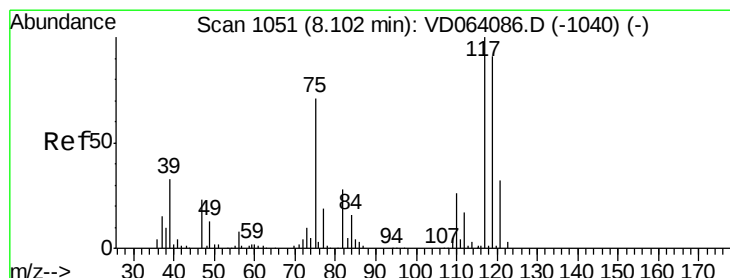
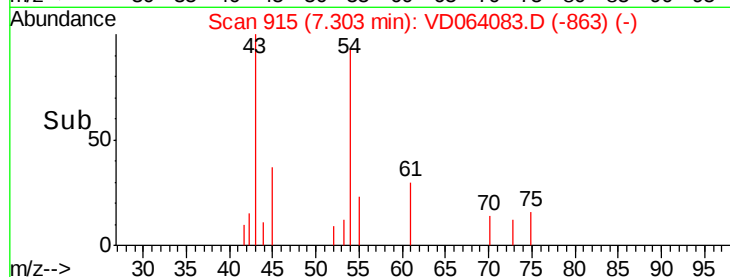
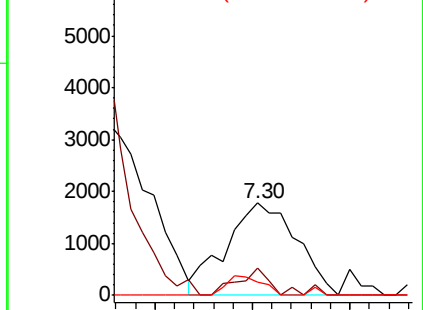
43 100

61 13.7 12.0 18.0

70 10.8 3.8 5.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.927 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

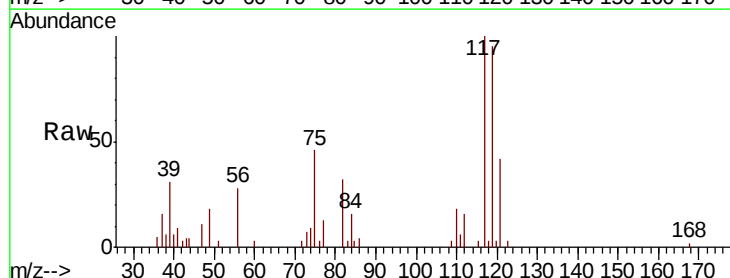
Tgt Ion: 117 Resp: 16053

Ion Ratio Lower Upper

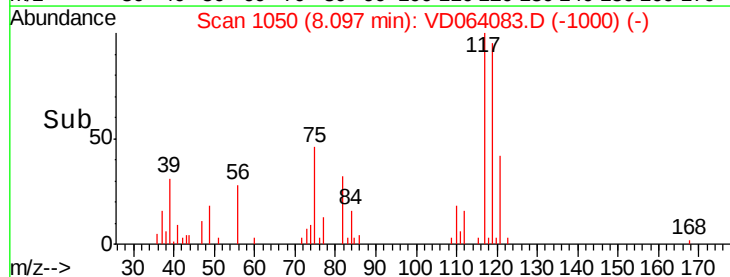
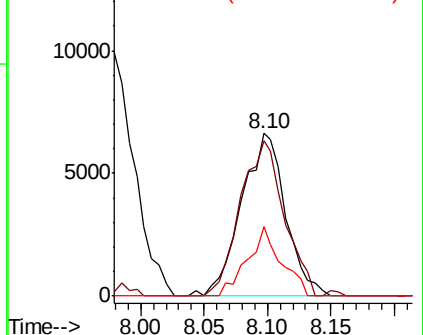
117 100

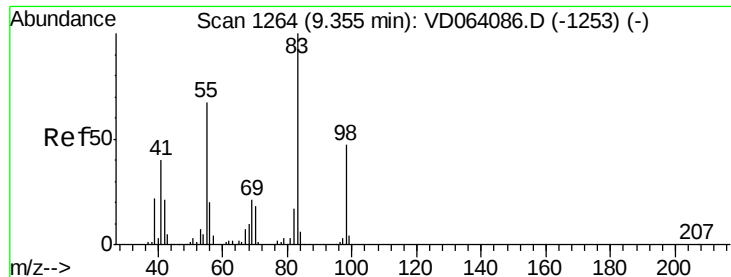
119 95.3 72.6 108.8

121 42.3 25.8 38.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

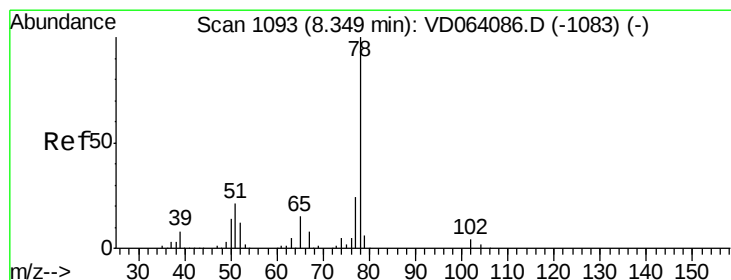
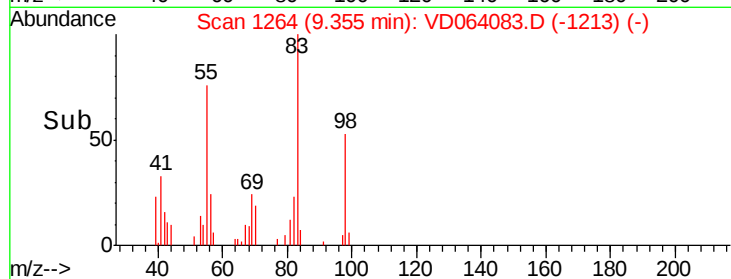
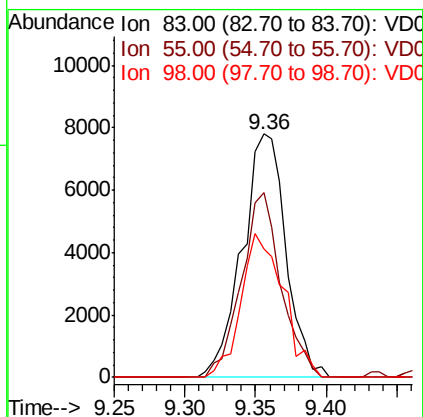
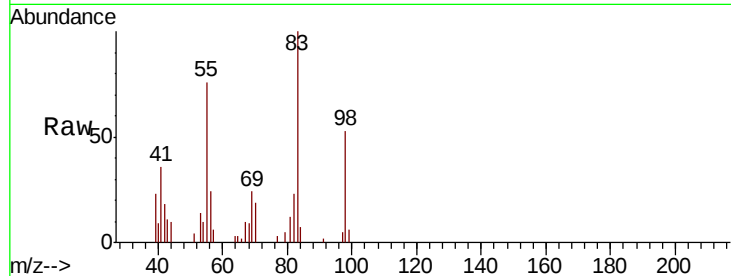




#39
Methvlcvclohexane
Concen: 4.622 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

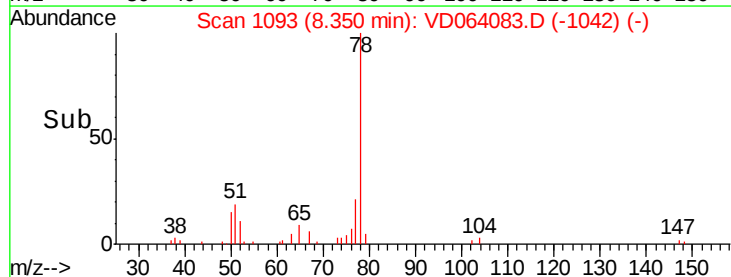
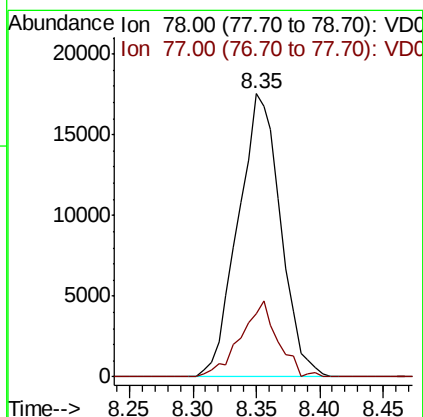
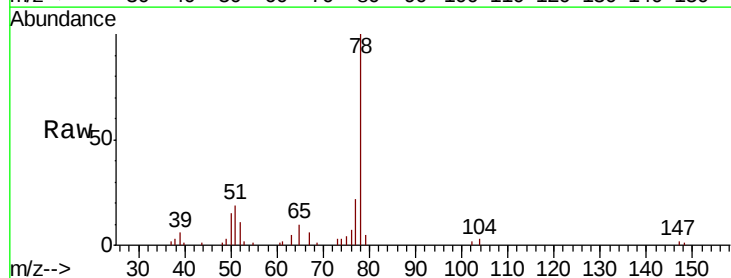
Instrument :
MSVOA_D
ClientSampled :

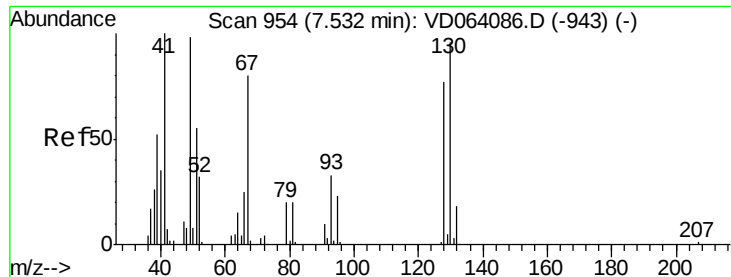
Tot Ion: 83 Resp: 16943
Ion Ratio Lower Upper
83 100
55 75.8 53.4 80.0
98 52.8 37.8 56.6



#40
Benzene
Concen: 5.012 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 78 Resp: 40811
Ion Ratio Lower Upper
78 100
77 22.3 19.0 28.4





#41

Methacrylonitrile

Concen: 1.289 ug/l

RT: 7.51 min Scan# 951

Delta R.T. -0.02 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 804

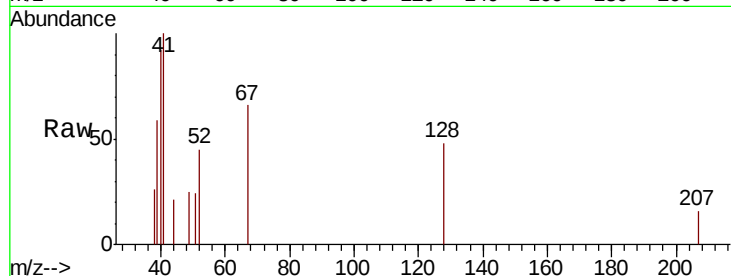
Ion Ratio Lower Upper

41 100

39 130.7 41.0 61.4#

67 267.4 73.4 110.0#

52 52.6 27.3 40.9#

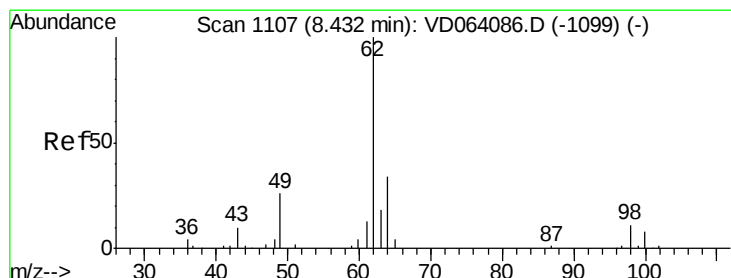
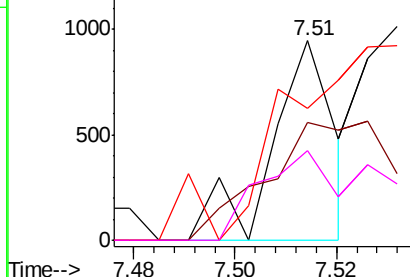
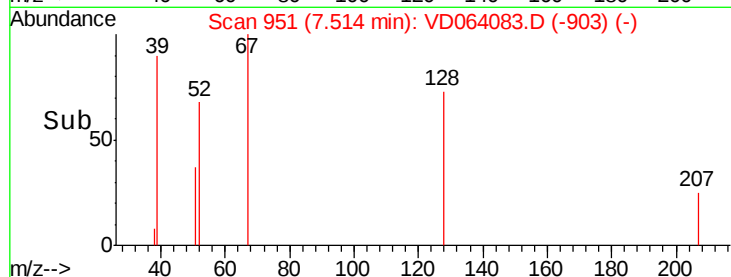


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 5.154 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064083.D

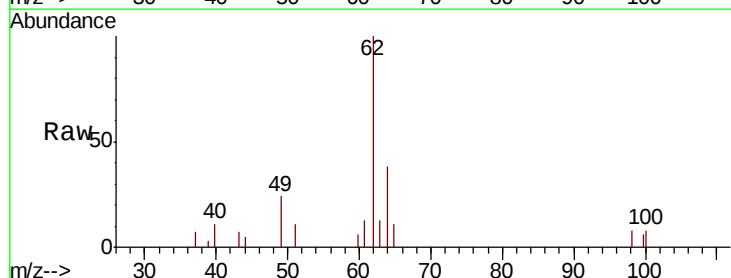
Acq: 29 Oct 2019 12:15

Tgt Ion: 62 Resp: 11086

Ion Ratio Lower Upper

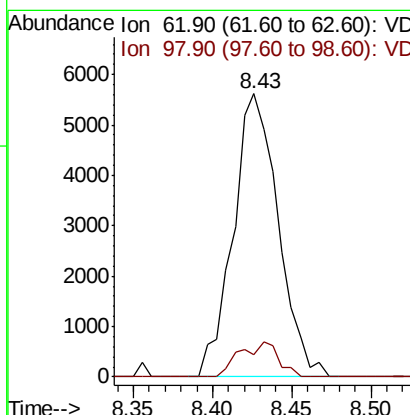
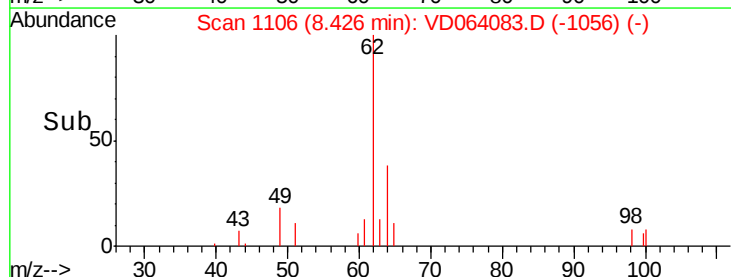
62 100

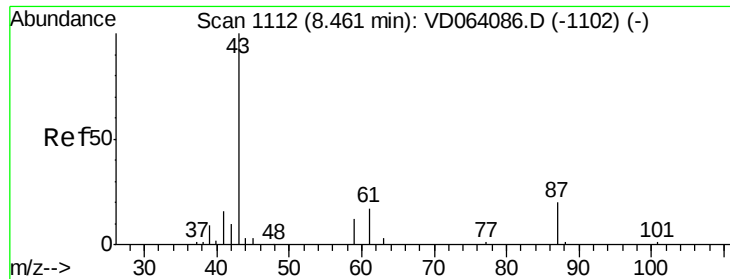
98 10.6 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 4.804 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

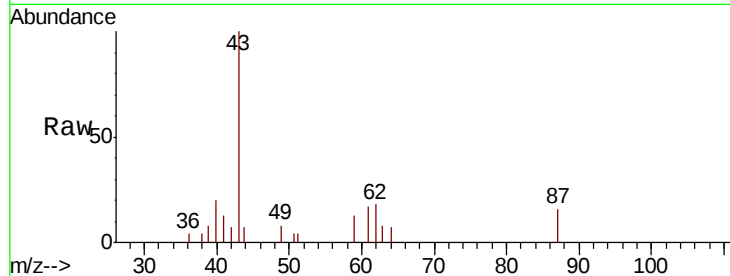
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 43 Resp: 8923

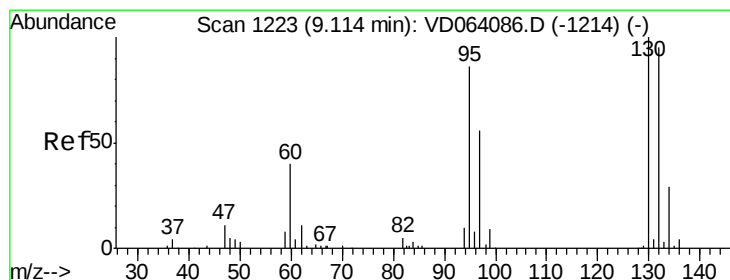
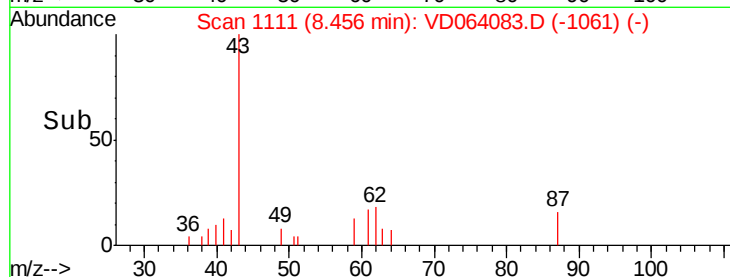
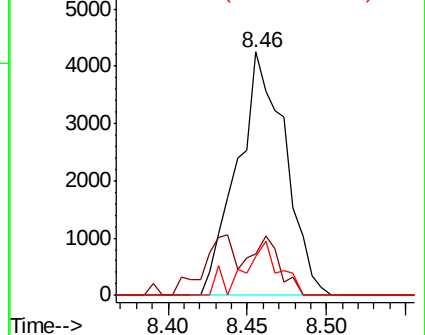
Ion	Ratio	Lower	Upper
43	100		
61	12.4	25.8	38.8#
87	14.6	13.0	19.4



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: 4.851 ug/l

RT: 9.11 min Scan# 1223

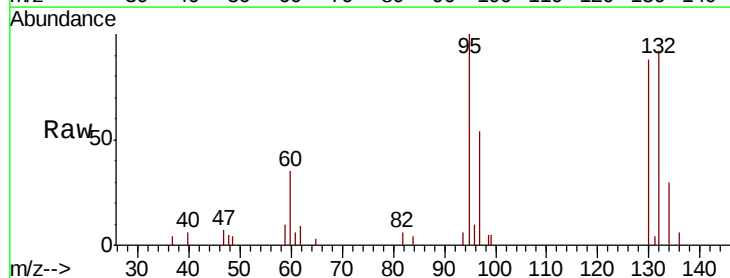
Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

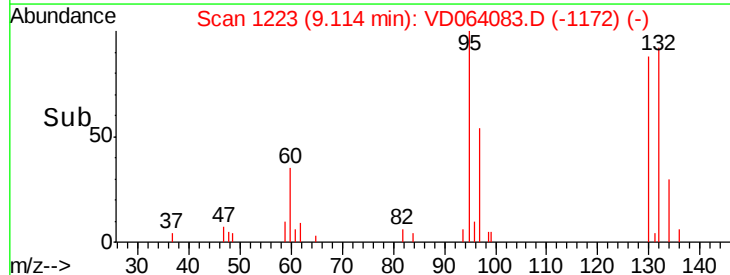
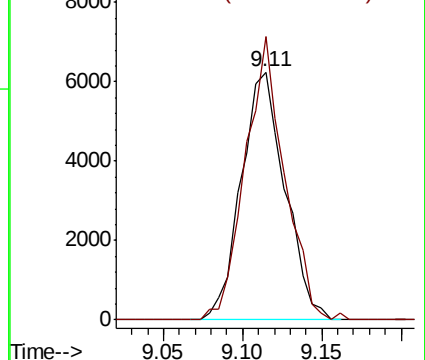
Tgt Ion: 130 Resp: 11974

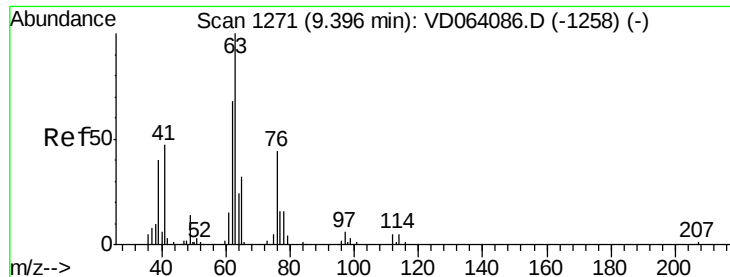
Ion	Ratio	Lower	Upper
130	100		
95	114.1	0.0	173.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.102 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

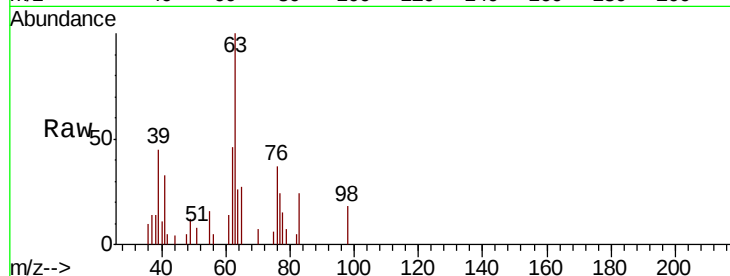
ClientSampled :

Tot Ion: 63 Resp: 9628

Ion Ratio Lower Upper

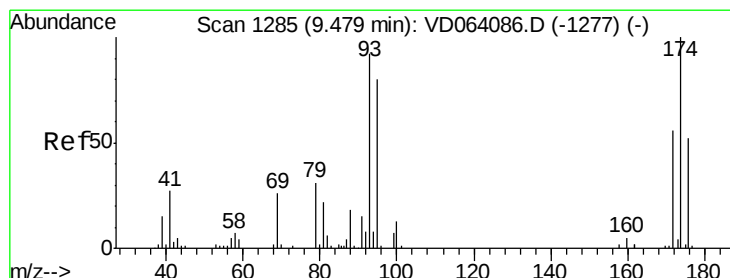
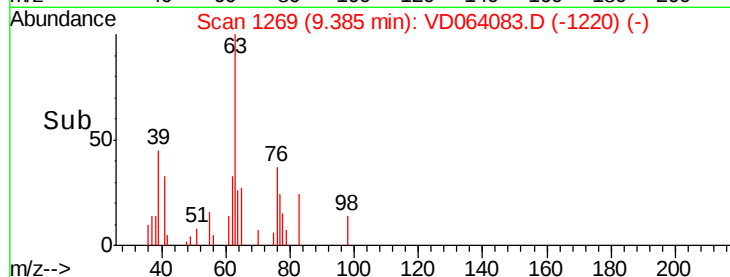
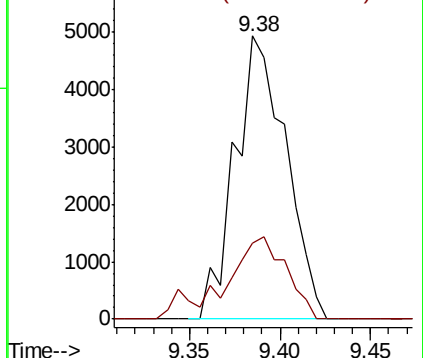
63 100

65 27.0 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.768 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

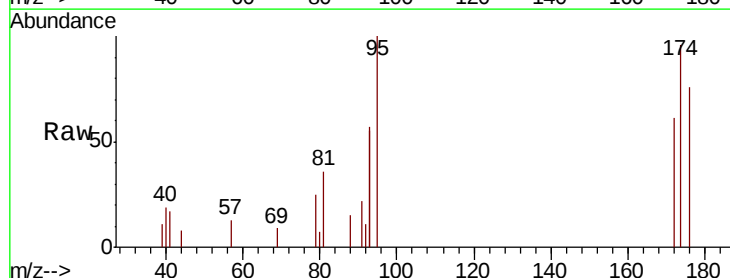
Tgt Ion: 93 Resp: 5419

Ion Ratio Lower Upper

93 100

95 97.8 67.4 101.2

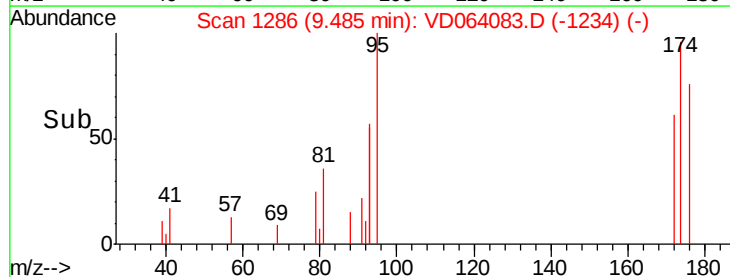
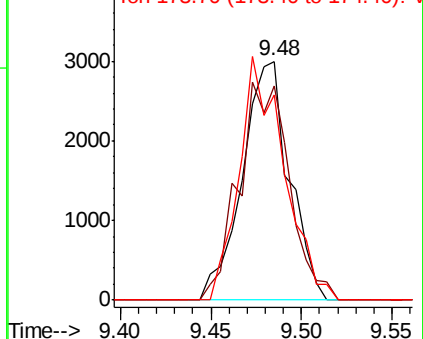
174 97.2 86.4 129.6

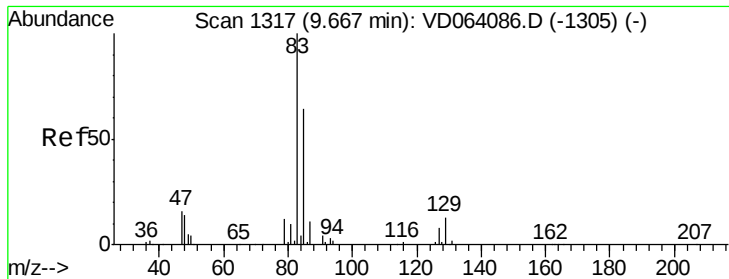


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

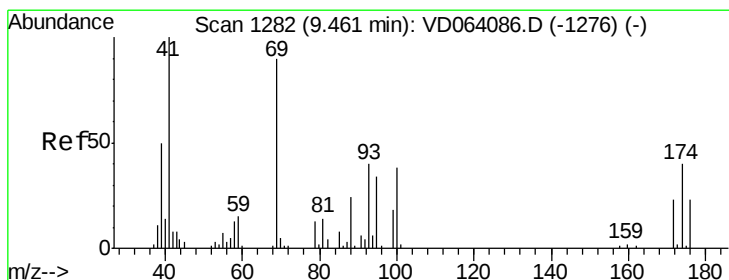
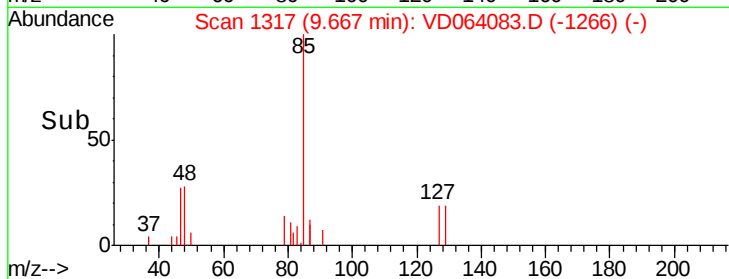
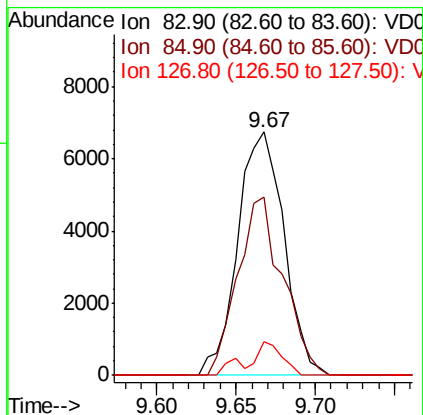
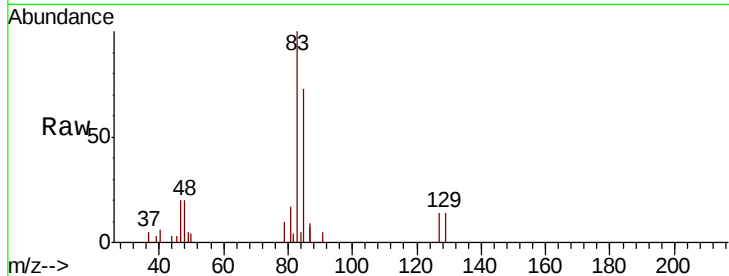




#47
Bromodichloromethane
Concen: 4.776 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

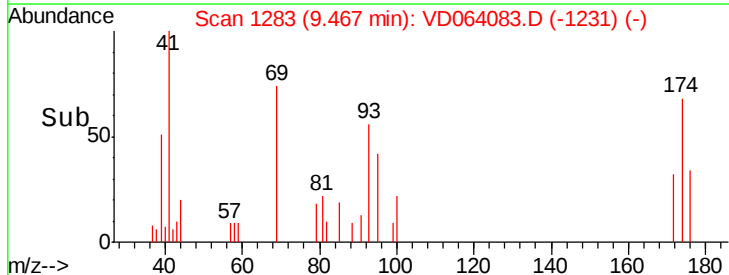
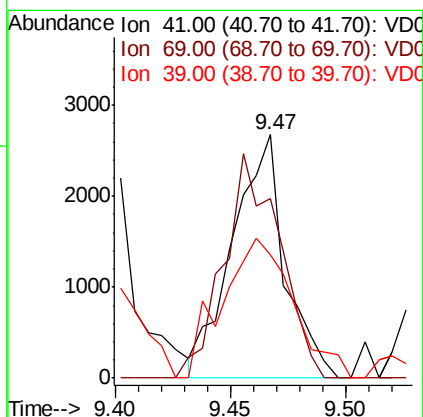
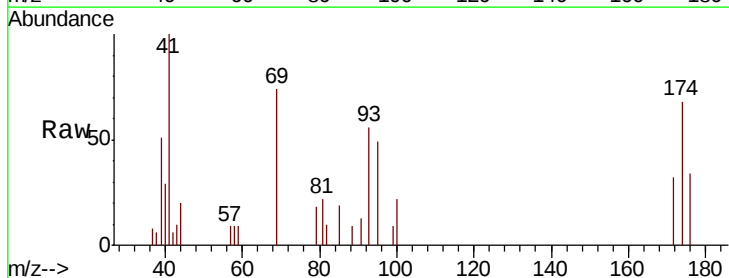
Instrument :
MSVOA_D
ClientSampleId :

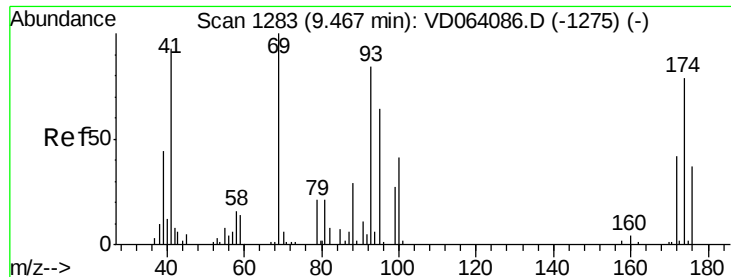
Tot Ion: 83 Resp: 13695
Ion Ratio Lower Upper
83 100
85 73.3 51.4 77.0
127 13.8 6.7 10.1#



#48
Methyl methacrylate
Concen: 4.931 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 41 Resp: 4236
Ion Ratio Lower Upper
41 100
69 97.9 82.6 124.0
39 77.6 47.0 70.4#





#49

1,4-Dioxane

Concen: 77.016 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

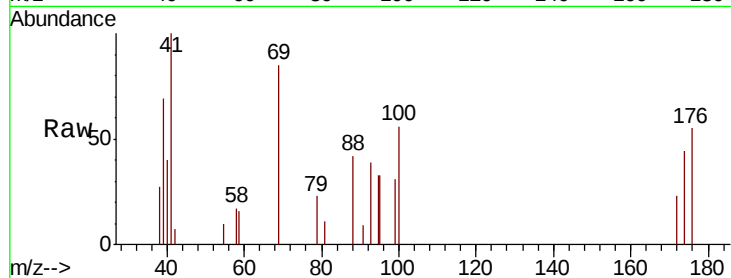
Tot Ion: 88 Resp: 1002

Ion Ratio Lower Upper

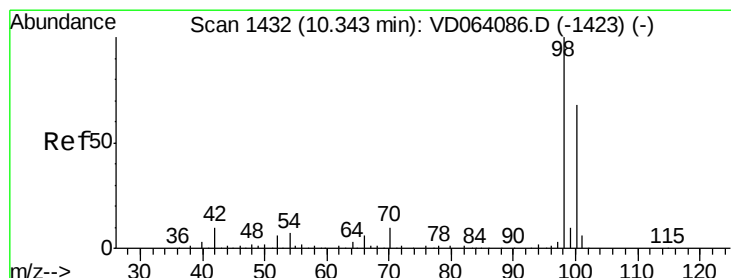
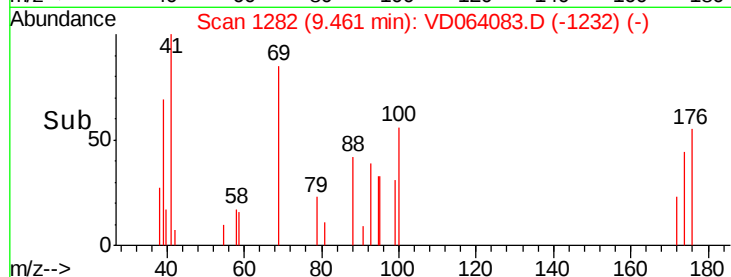
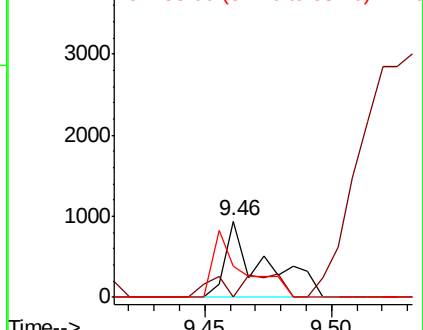
88 100

43 0.0 13.4 20.0#

58 69.8 46.7 70.1



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: 4.430 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064083.D

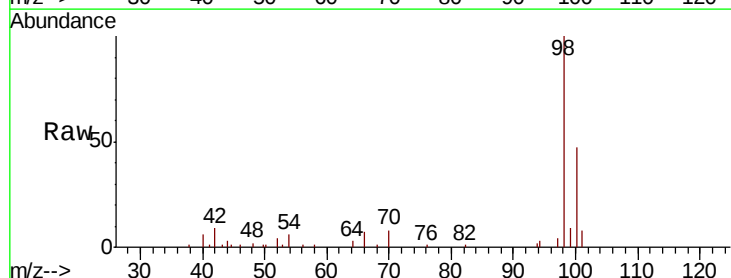
Acq: 29 Oct 2019 12:15

Tgt Ion: 98 Resp: 34732

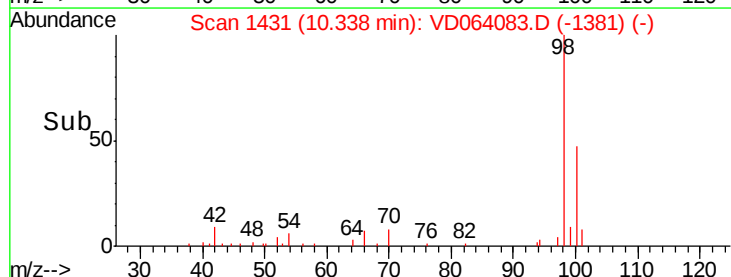
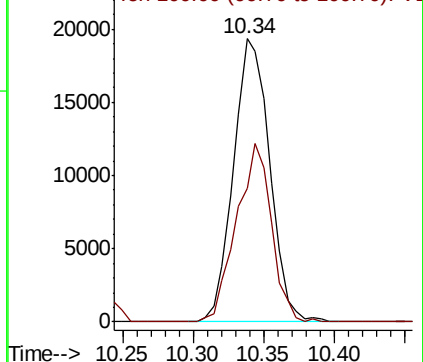
Ion Ratio Lower Upper

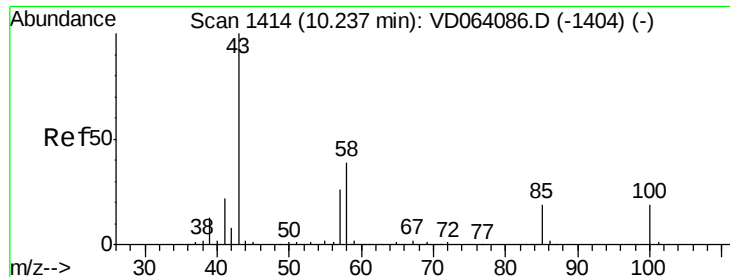
98 100

100 60.5 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 21.806 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

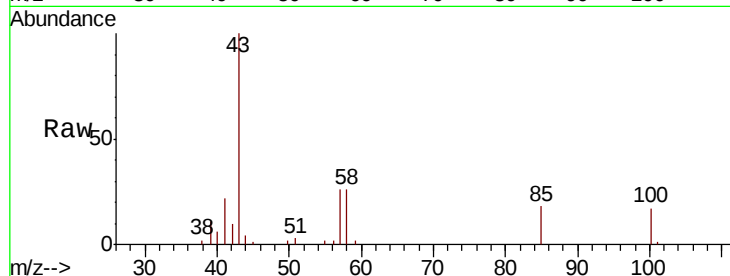
ClientSampled :

Tot Ion: 43 Resp: 22052

Ion Ratio Lower Upper

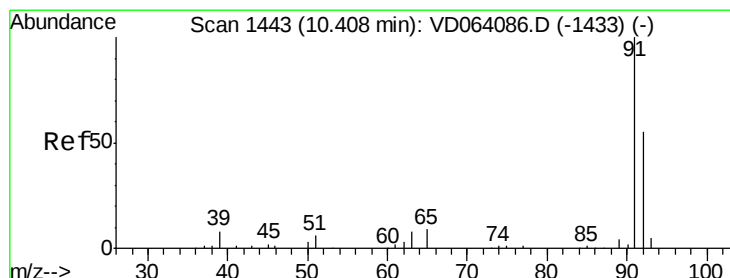
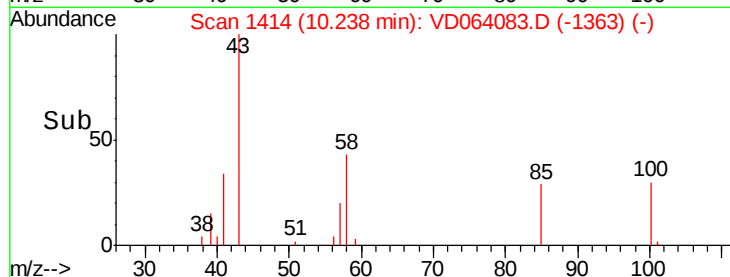
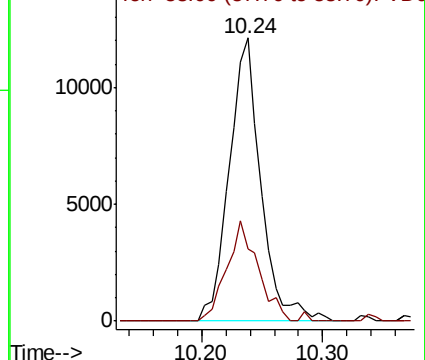
43 100

58 35.0 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 4.433 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064083.D

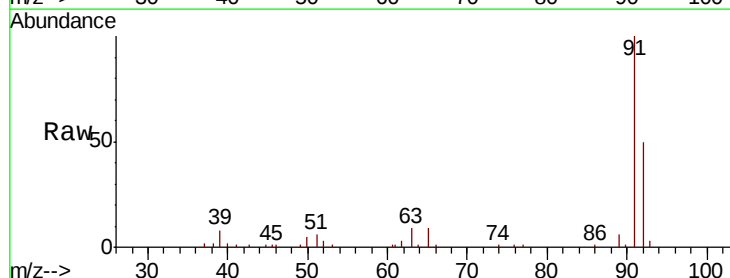
Acq: 29 Oct 2019 12:15

Tgt Ion: 92 Resp: 25301

Ion Ratio Lower Upper

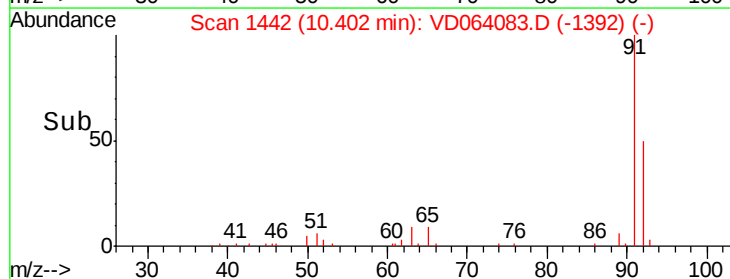
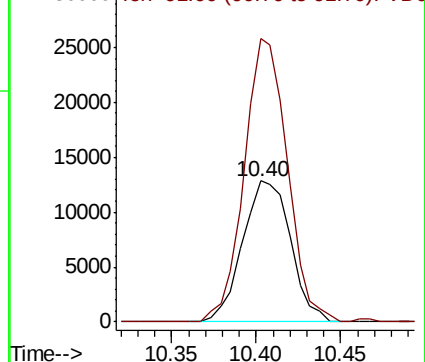
92 100

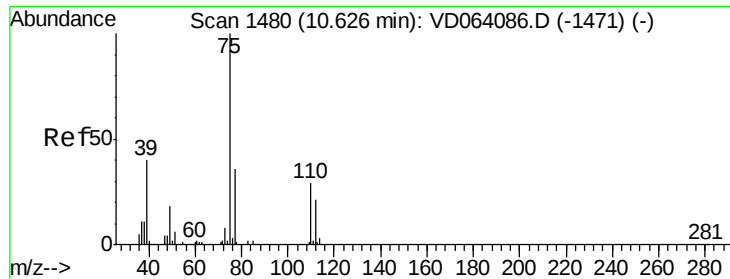
91 181.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 4.387 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

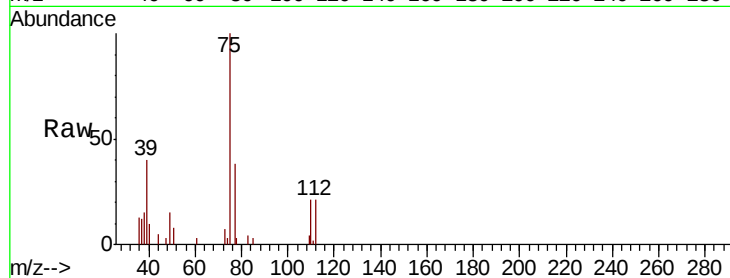
ClientSampleId :

Tot Ion: 75 Resp: 11743

Ion Ratio Lower Upper

75 100

77 37.6 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

6000

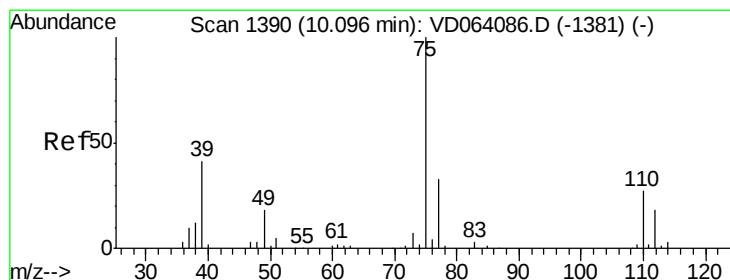
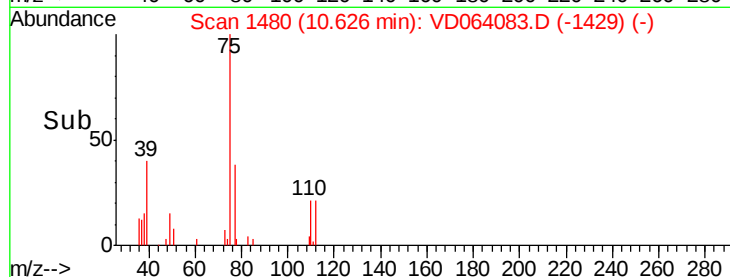
4000

2000

0

10.55 10.60 10.65

Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.743 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

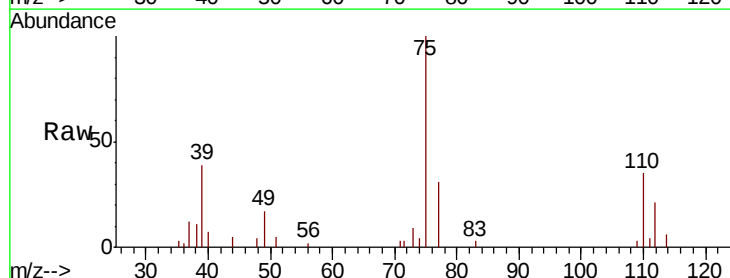
Tgt Ion: 75 Resp: 14937

Ion Ratio Lower Upper

75 100

77 31.4 26.8 40.2

39 39.4 32.7 49.1



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

10000

8000

6000

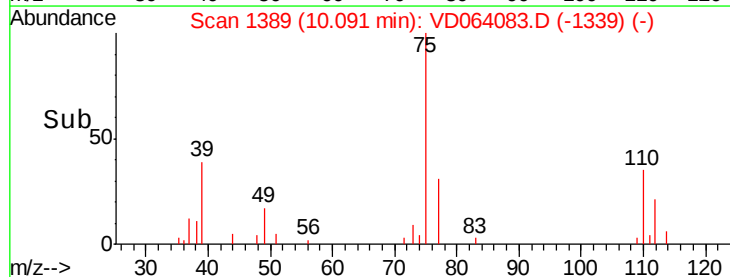
4000

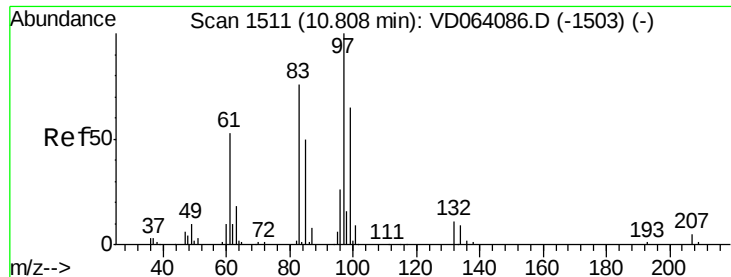
2000

0

10.00 10.05 10.10 10.15

Time-->



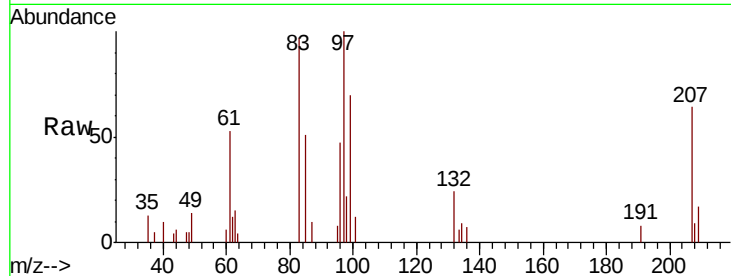


#55
 1,1,2-Trichloroethane
 Concen: 4.645 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 7485

Ion	Ratio	Lower	Upper
97	100		
83	96.6	60.9	91.3#
85	50.9	40.2	60.2
99	69.7	51.9	77.9



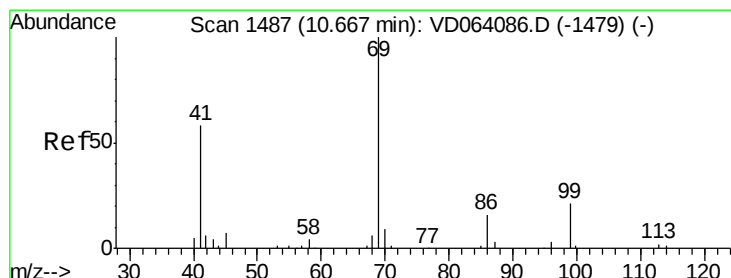
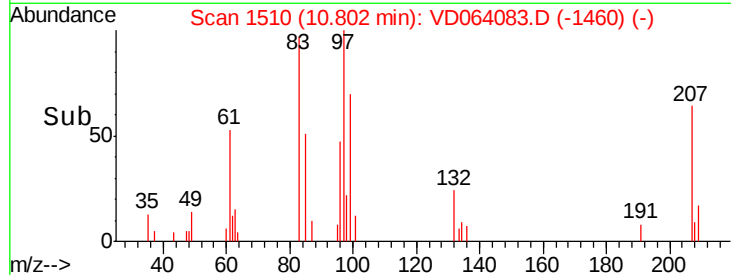
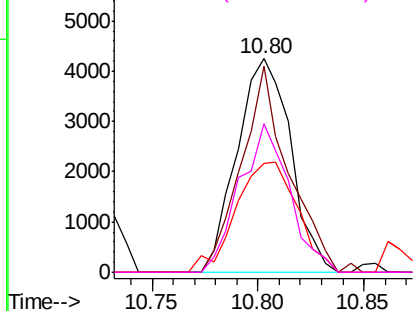
Abundance

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

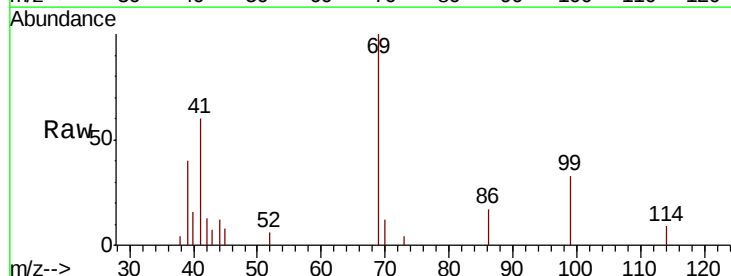
Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 3.854 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 69 Resp: 6744

Ion	Ratio	Lower	Upper
69	100		
41	63.9	46.9	70.3
39	33.1	27.3	40.9

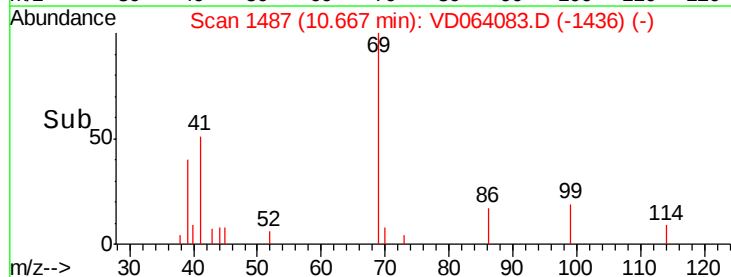
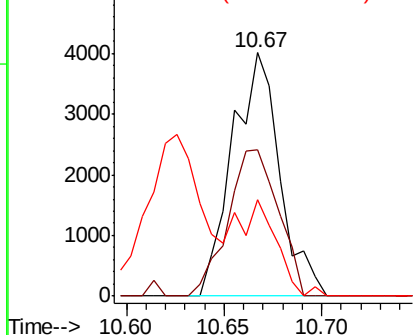


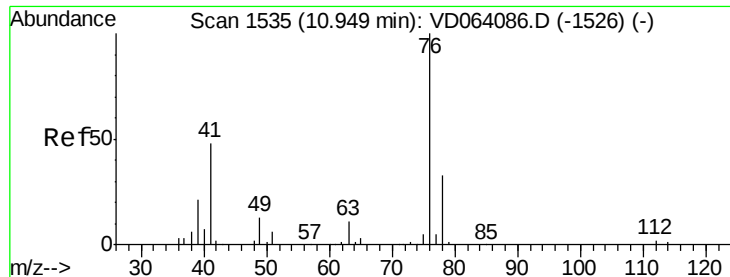
Abundance

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: 4.810 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

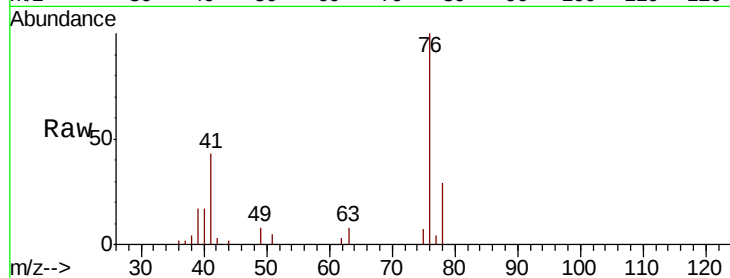
ClientSampleId :

Tot Ion: 76 Resp: 12818

Ion Ratio Lower Upper

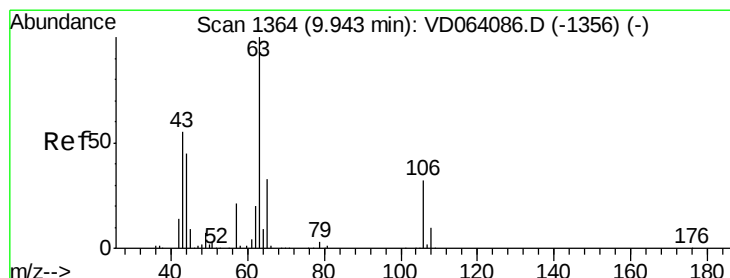
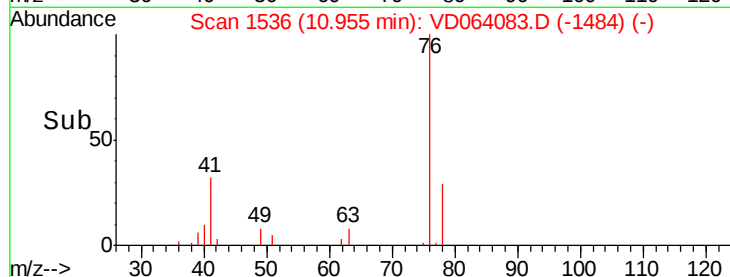
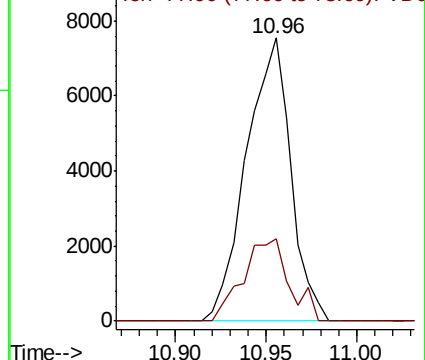
76 100

78 30.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 26.975 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064083.D

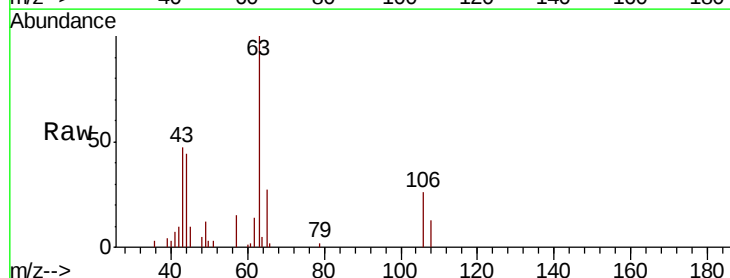
Acq: 29 Oct 2019 12:15

Tgt Ion: 63 Resp: 19044

Ion Ratio Lower Upper

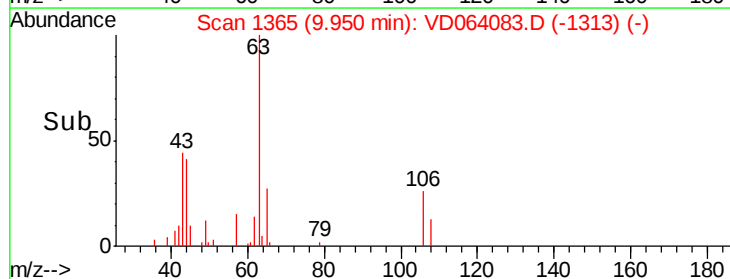
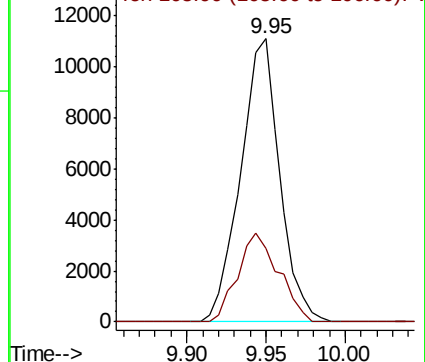
63 100

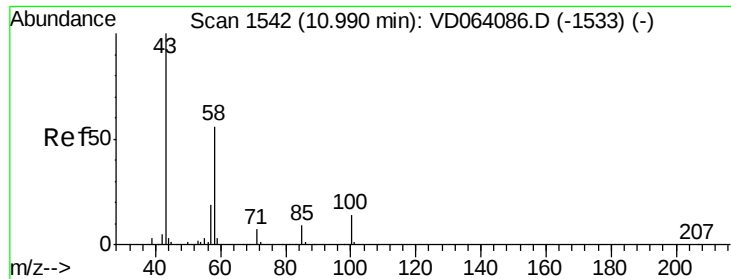
106 32.8 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

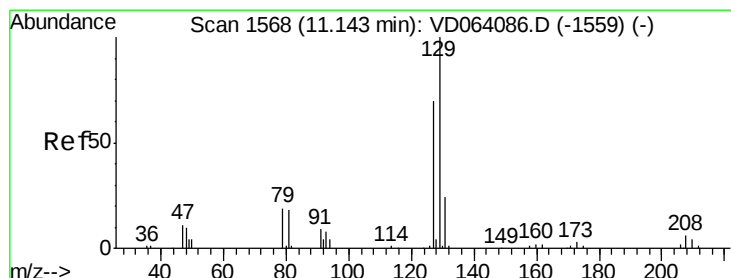
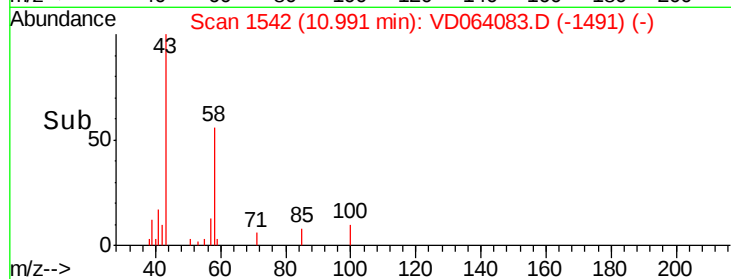
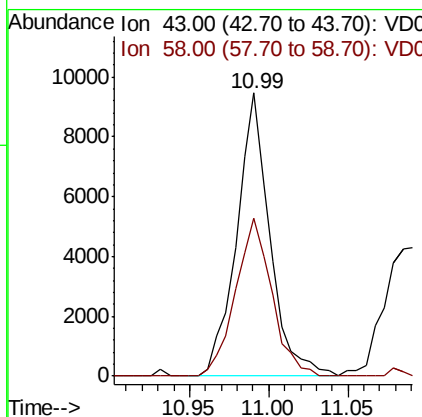
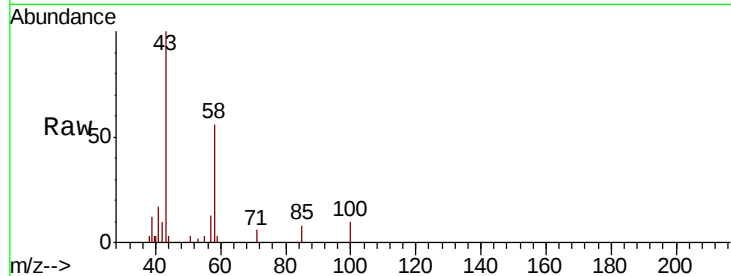




#59
2-Hexanone
Concen: 19.076 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

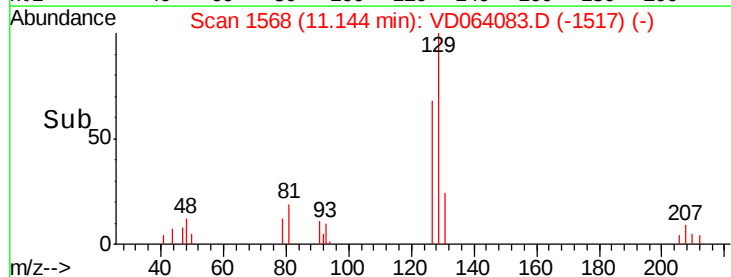
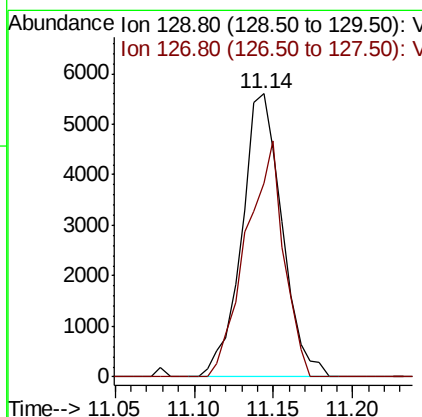
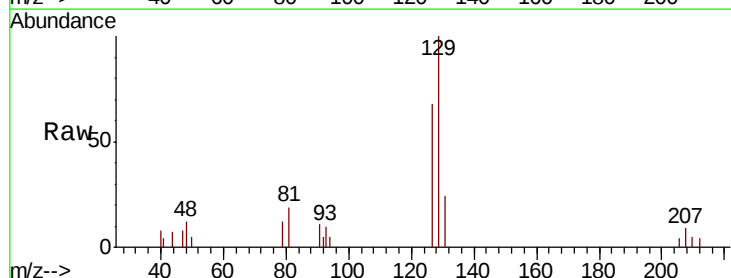
Instrument :
MSVOA_D
ClientSampleId :

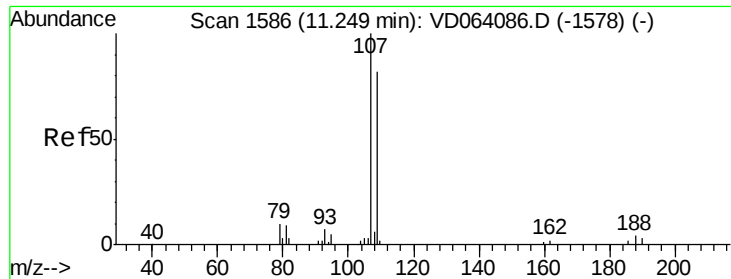
Tot Ion: 43 Resp: 13748
Ion Ratio Lower Upper
43 100
58 61.0 29.2 87.6



#60
Dibromochloromethane
Concen: 4.528 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 129 Resp: 9904
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.8

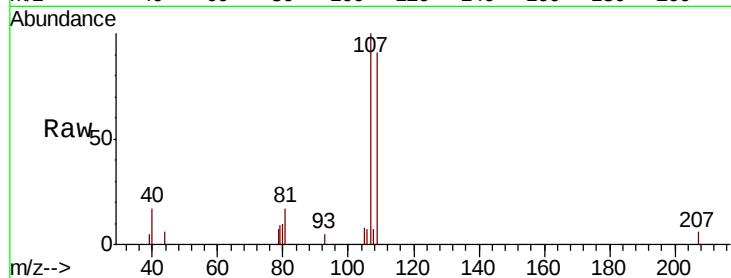




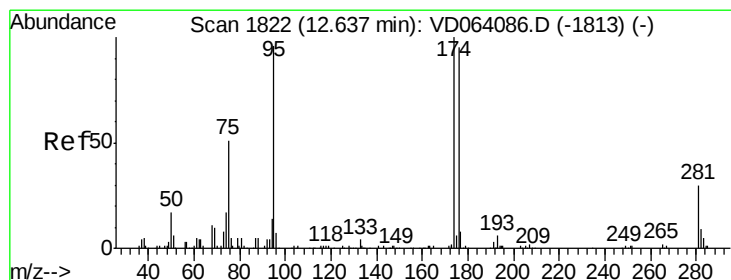
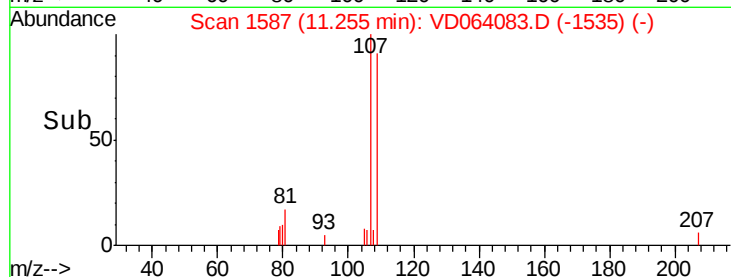
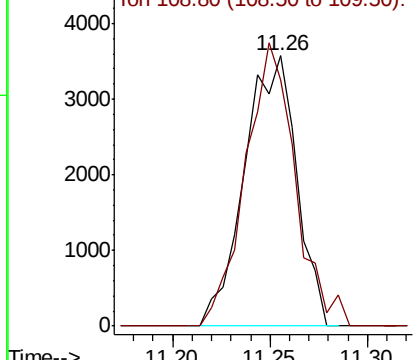
#61
 1,2-Dibromoethane
 Concen: 4.101 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:107 Resp: 6610
 Ion Ratio Lower Upper
 107 100
 109 100.1 73.0 109.4

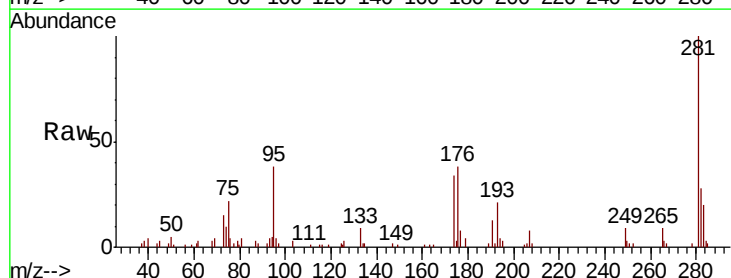


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

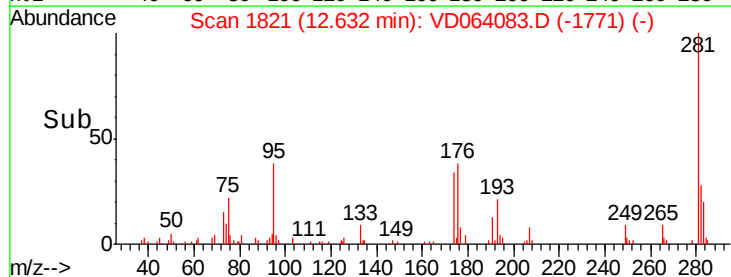
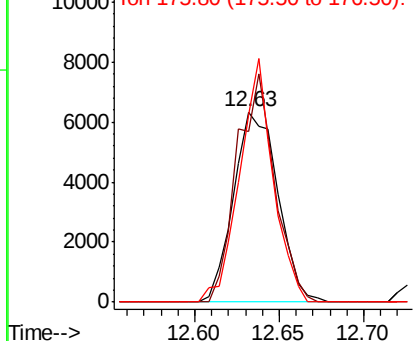


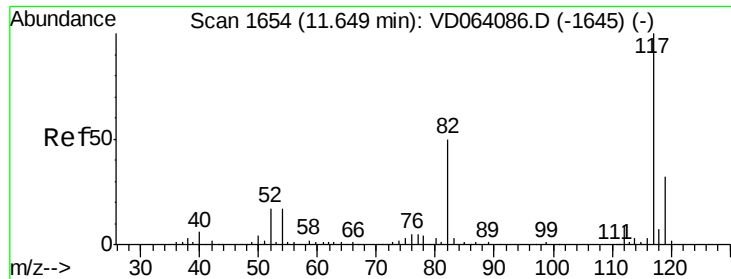
#62
 4-Bromofluorobenzene
 Concen: 4.455 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 95 Resp: 11580
 Ion Ratio Lower Upper
 95 100
 174 102.6 0.0 201.6
 176 96.4 0.0 192.6



Abundance Ion 94.90 (94.60 to 95.60): V
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

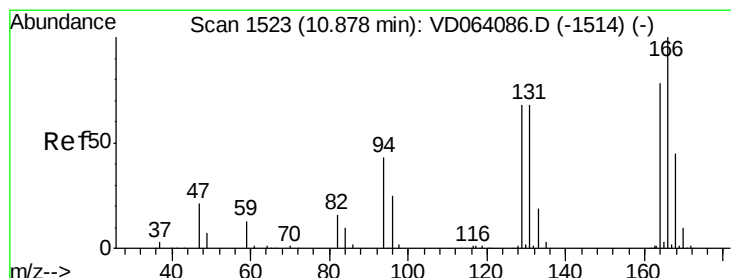
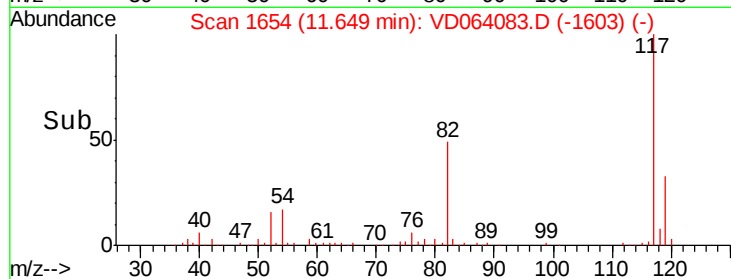
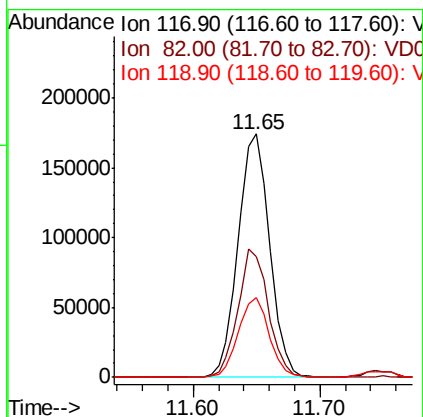
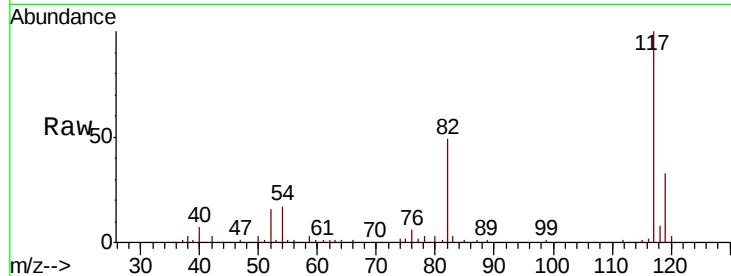




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

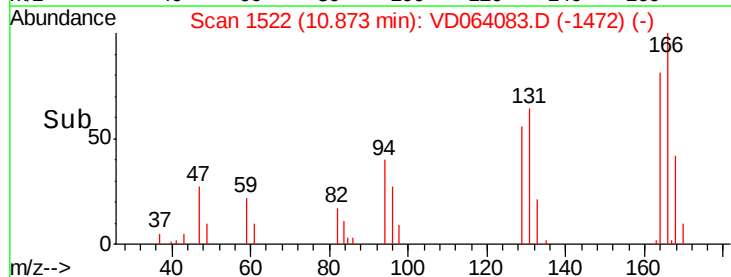
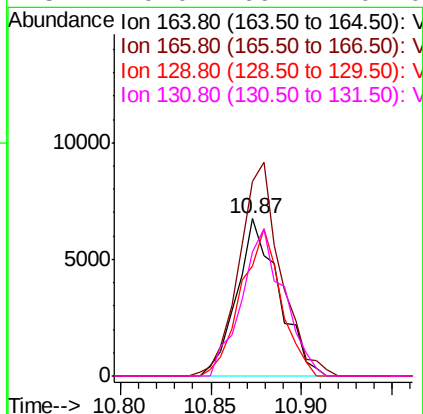
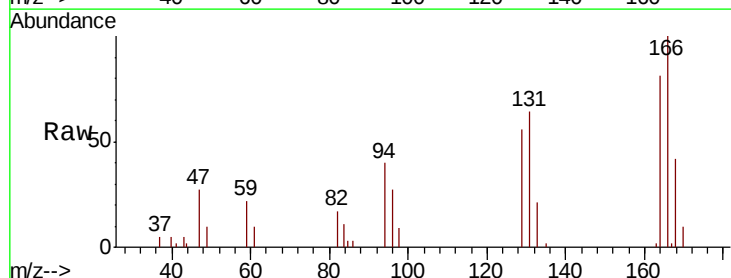
Instrument :
MSVOA_D
ClientSampled :

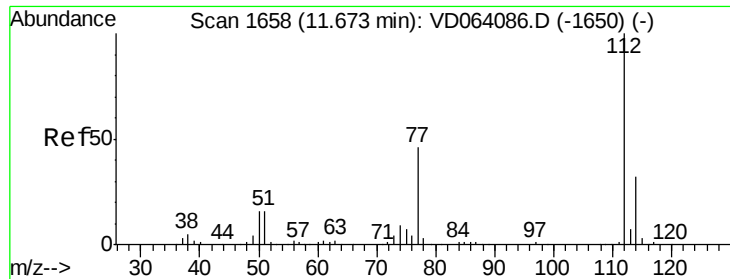
Tot Ion:117 Resp: 301311
Ion Ratio Lower Upper
117 100
82 49.5 40.2 60.4
119 33.0 26.0 39.0



#64
Tetrachloroethene
Concen: 5.007 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion:164 Resp: 10839
Ion Ratio Lower Upper
164 100
166 124.2 102.7 154.1
129 69.8 69.8 104.6
131 79.0 69.4 104.0

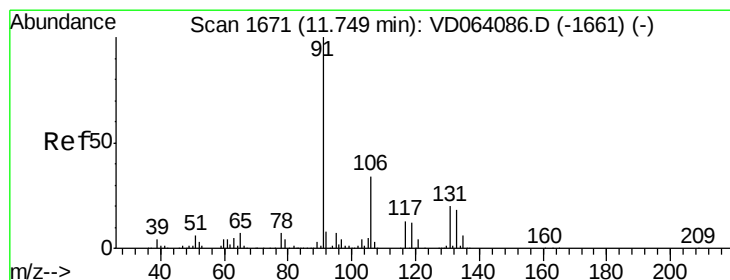
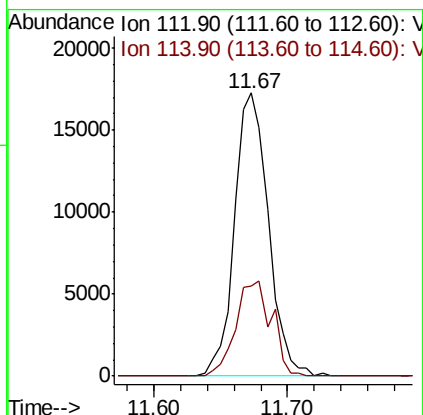
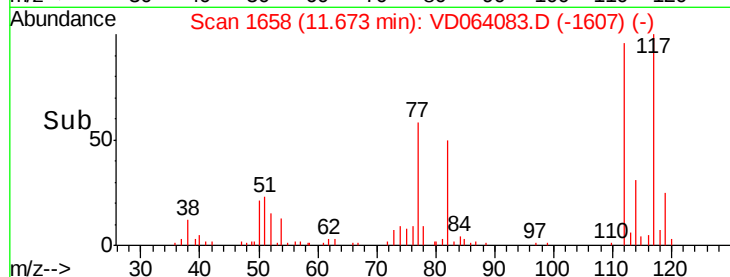
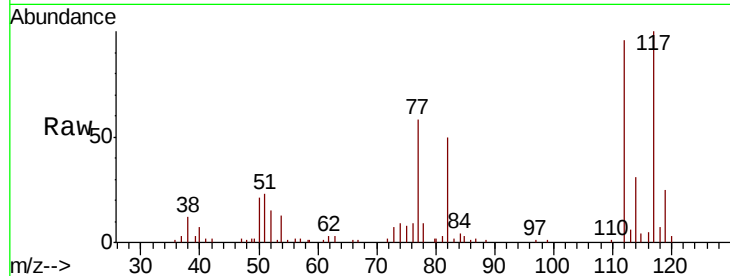




#65
Chlorobenzene
Concen: 4.872 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

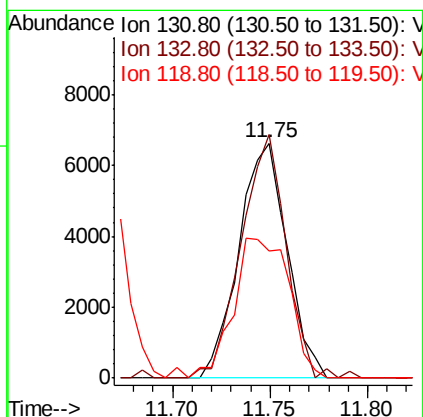
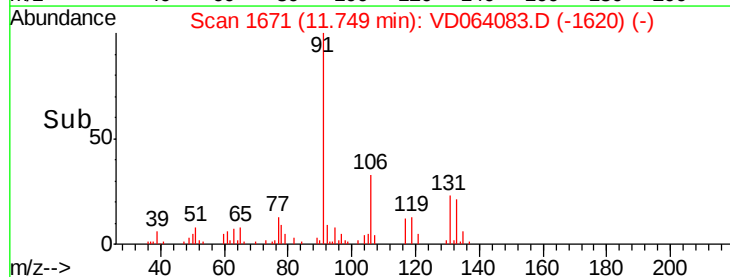
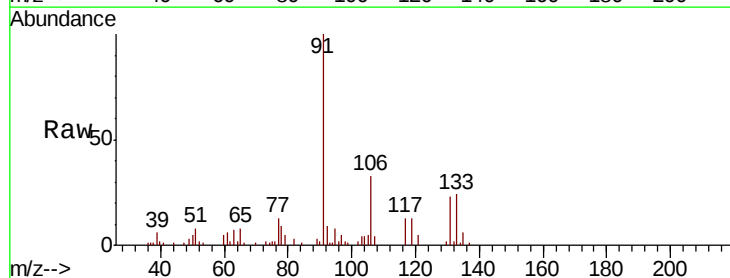
Instrument :
MSVOA_D
ClientSampleId :

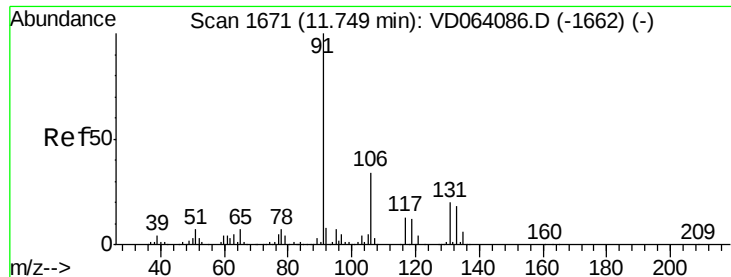
Tot Ion:112 Resp: 30330
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 4.862 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion:131 Resp: 11327
Ion Ratio Lower Upper
131 100
133 97.0 47.6 142.9
119 69.9 31.4 94.3

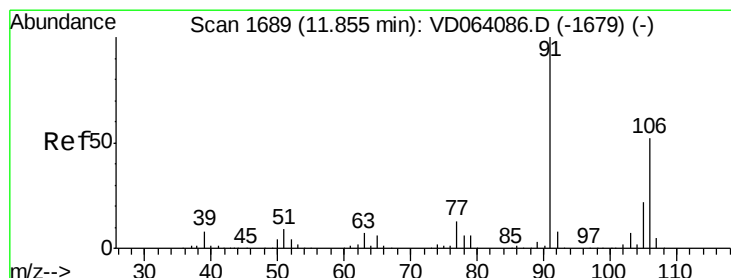
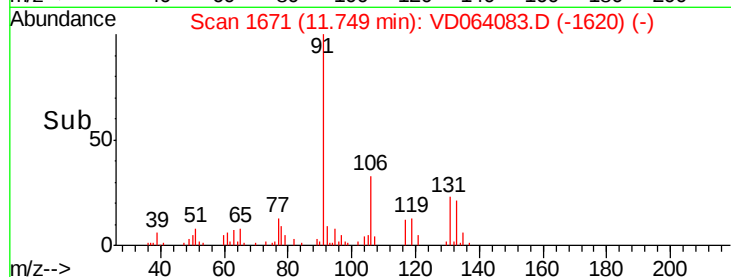
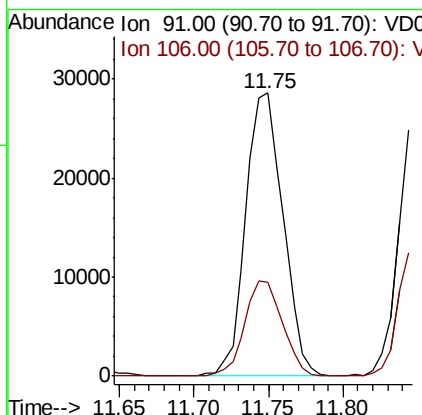
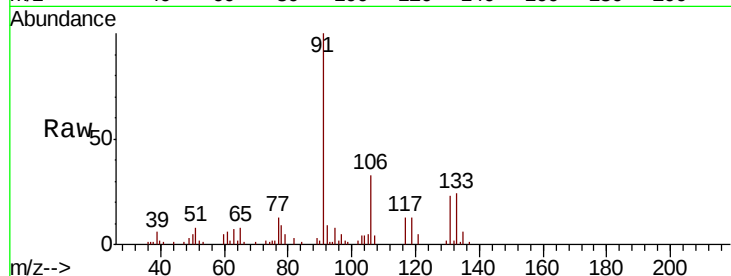




#67
Ethyl Benzene
Concen: 4.460 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

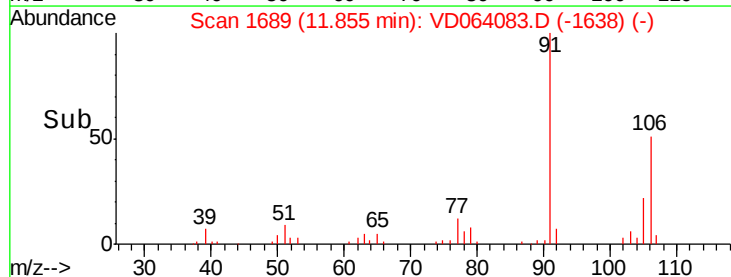
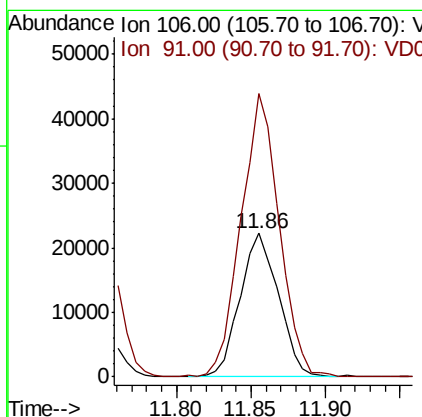
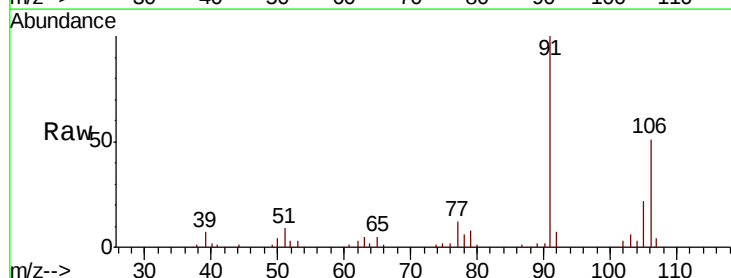
Instrument :
MSVOA_D
ClientSampleId :

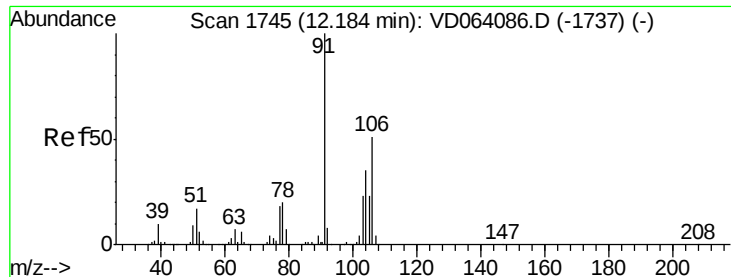
Tot Ion: 91 Resp: 49393
Ion Ratio Lower Upper
91 100
106 33.2 27.0 40.6



#68
m/p-Xylenes
Concen: 8.934 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 106 Resp: 39791
Ion Ratio Lower Upper
106 100
91 195.8 154.0 231.0

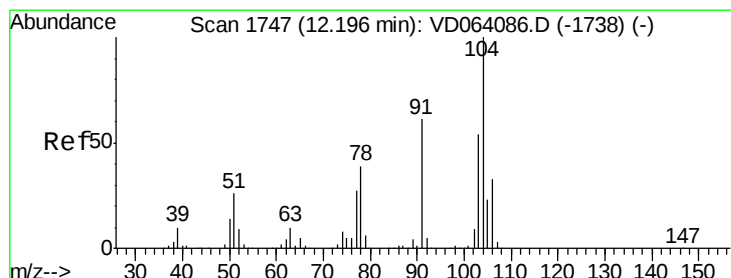
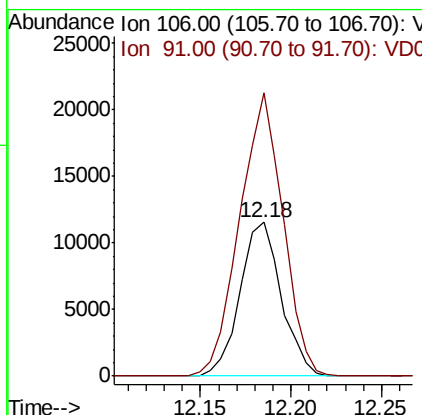
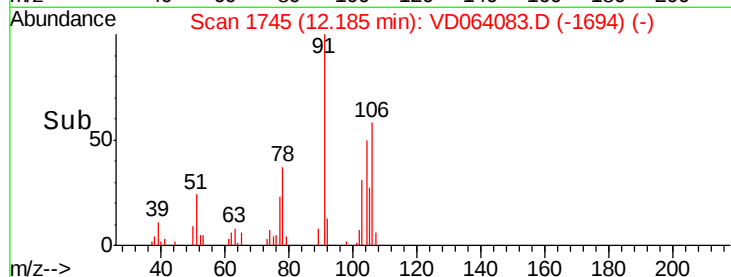
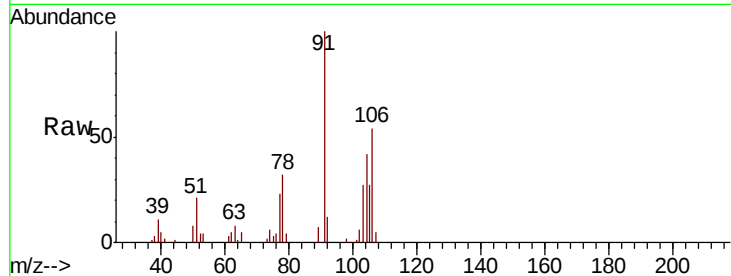




#69
o-Xylene
Concen: 4.505 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

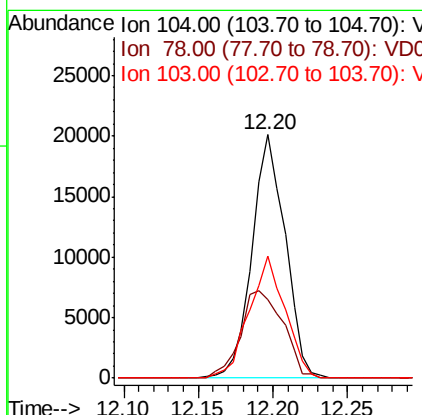
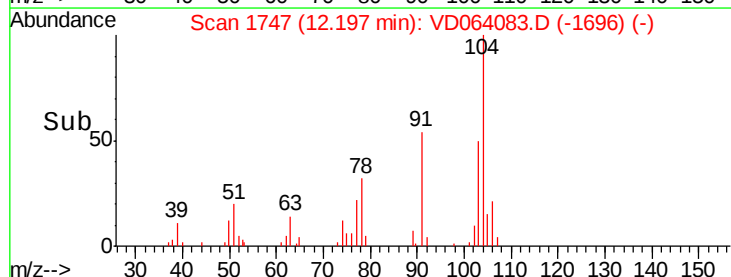
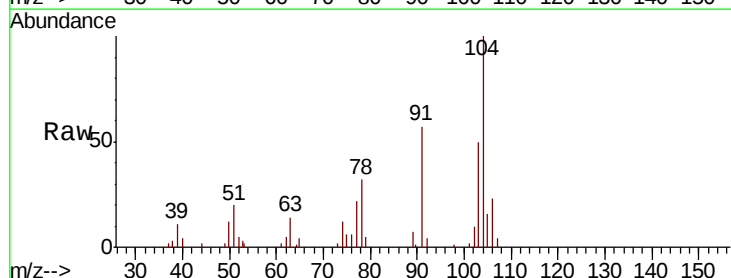
Instrument :
MSVOA_D
ClientSampled :

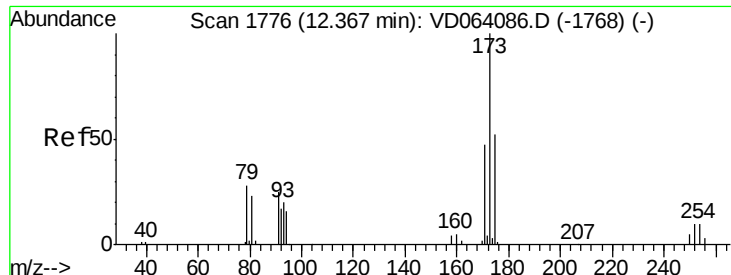
Tot Ion:106 Resp: 18311
Ion Ratio Lower Upper
106 100
91 193.0 100.6 301.9



#70
Styrene
Concen: 4.414 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion:104 Resp: 30942
Ion Ratio Lower Upper
104 100
78 46.1 34.6 51.8
103 54.5 44.2 66.2

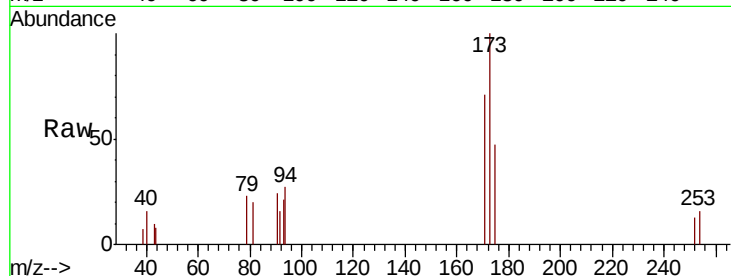




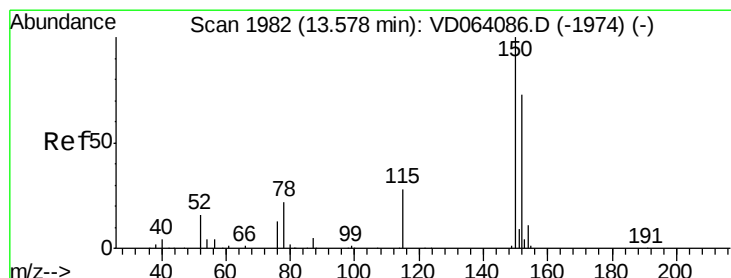
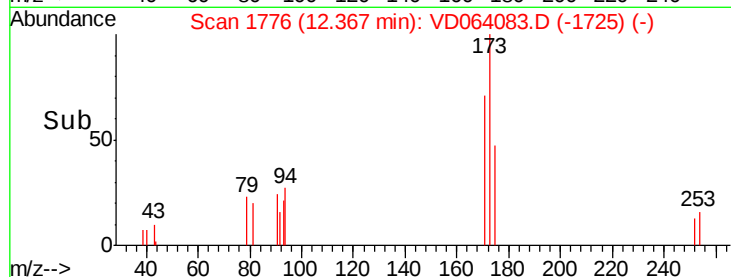
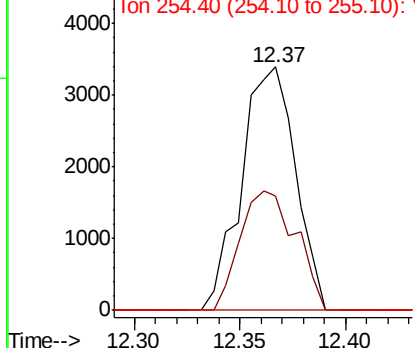
#71
Bromoform
Concen: 4.839 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 6020
Ion Ratio Lower Upper
173 100
175 50.8 24.3 72.9
254 0.0 0.0 0.0

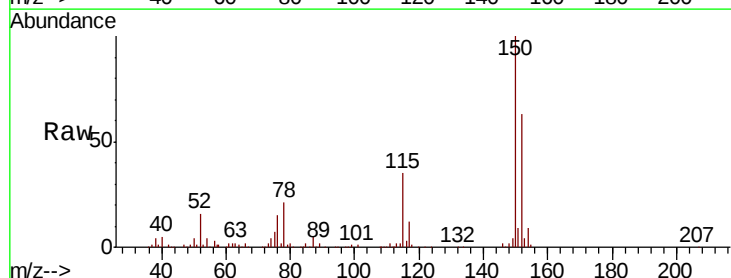


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

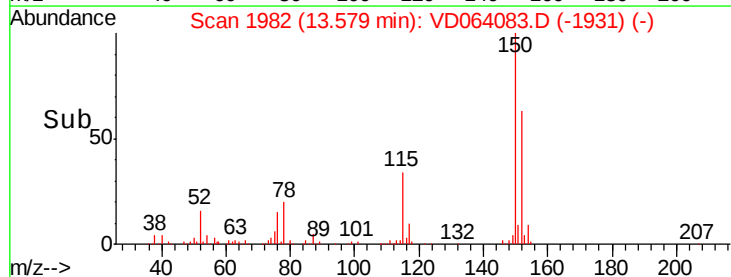
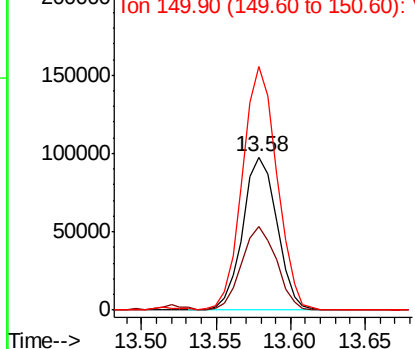


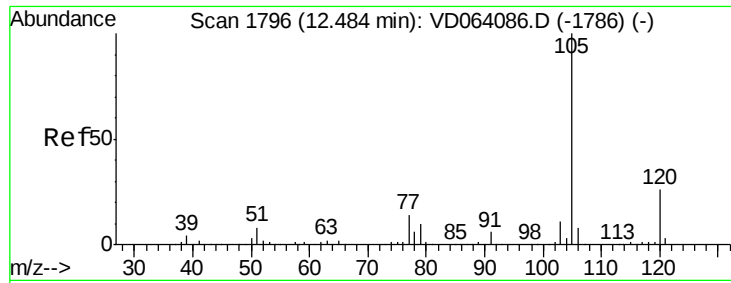
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion:152 Resp: 155514
Ion Ratio Lower Upper
152 100
115 55.6 26.2 78.6
150 160.2 0.0 338.8



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: 4.300 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

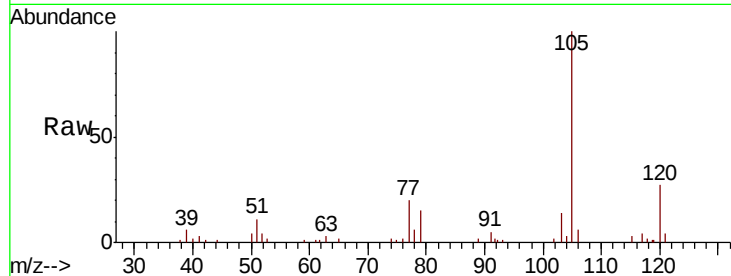
ClientSampleId :

Tot Ion:105 Resp: 46473

Ion Ratio Lower Upper

105 100

120 28.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

30000

25000

20000

15000

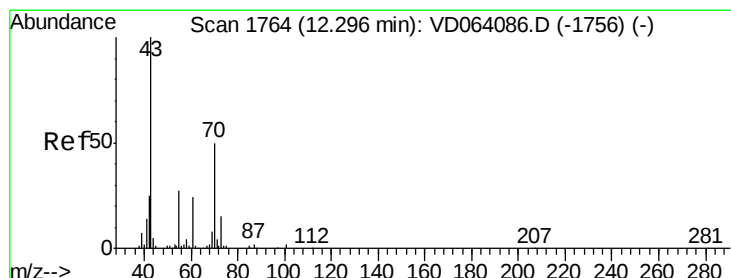
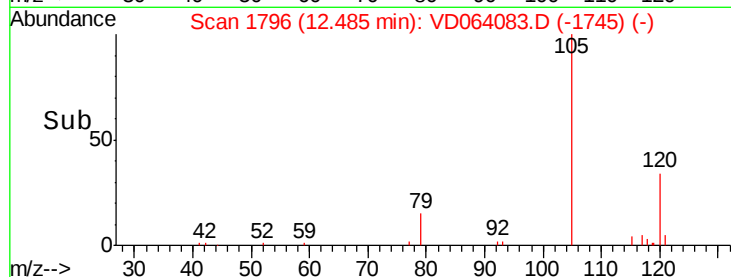
10000

5000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 4.423 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Tgt Ion: 43 Resp: 7940

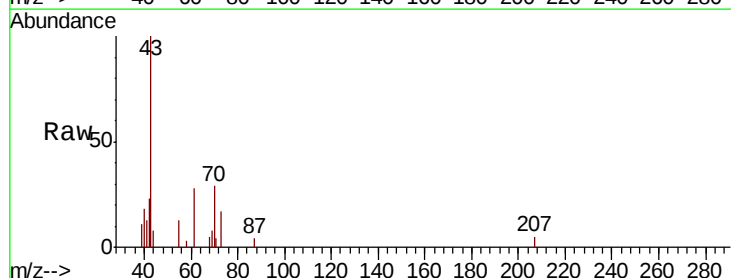
Ion Ratio Lower Upper

43 100

70 41.8 38.6 58.0

55 26.4 20.4 30.6

61 24.0 20.8 31.2



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

8000

6000

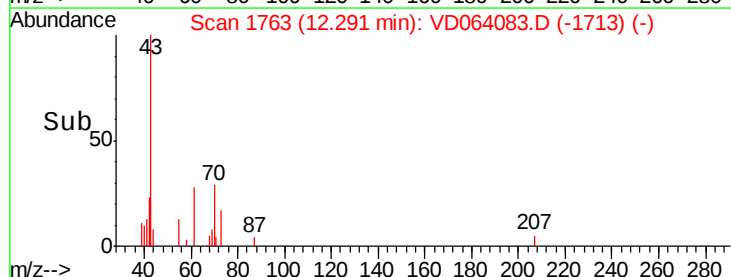
4000

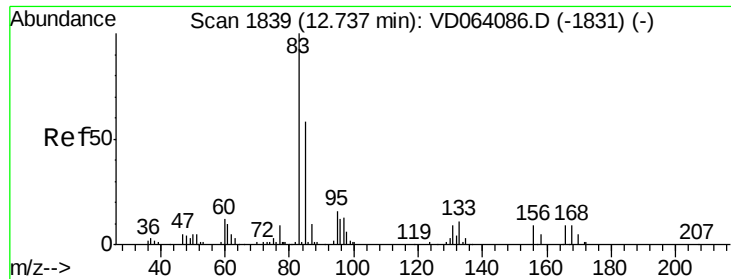
2000

0

Time-->

12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 4.773 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

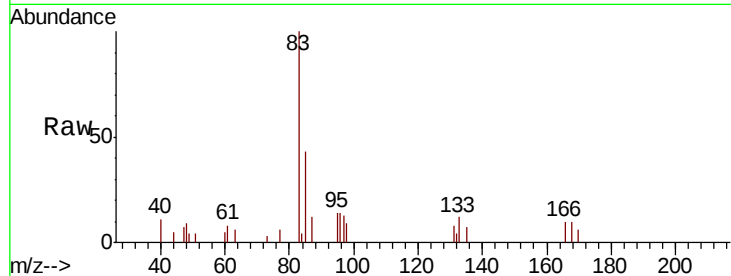
Tot Ion: 83 Resp: 8130

Ion Ratio Lower Upper

83 100

131 11.9 5.7 17.0

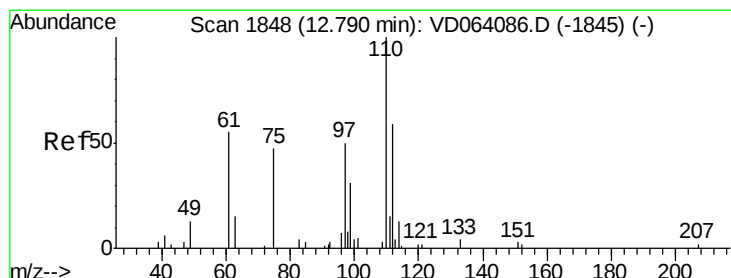
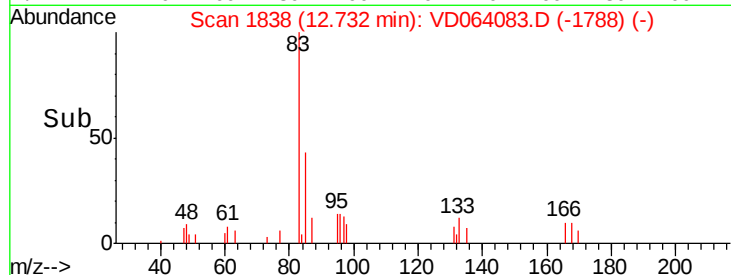
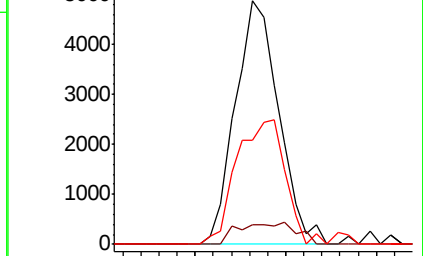
85 57.5 32.1 96.5



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: 4.804 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064083.D

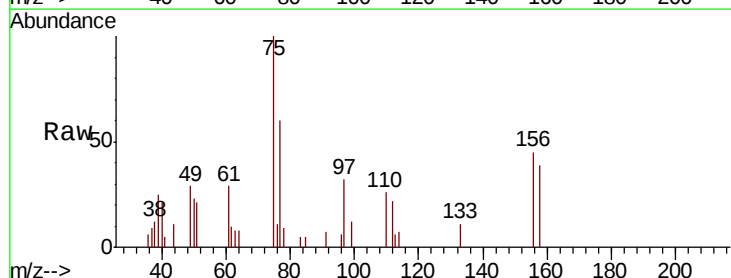
Acq: 29 Oct 2019 12:15

Tgt Ion: 75 Resp: 9269

Ion Ratio Lower Upper

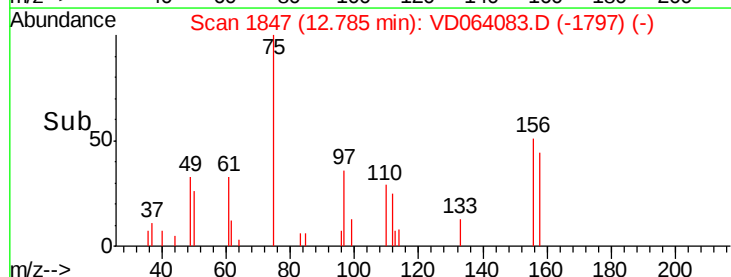
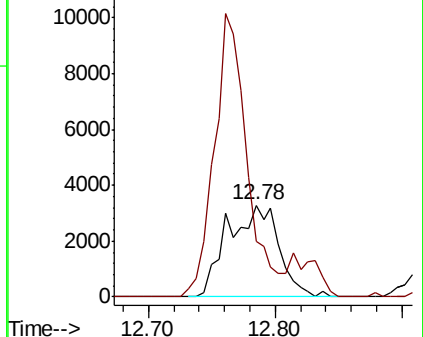
75 100

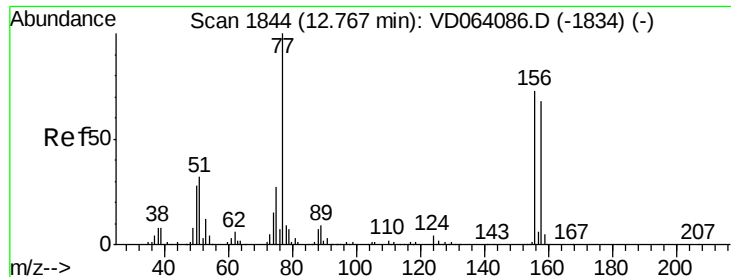
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.959 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

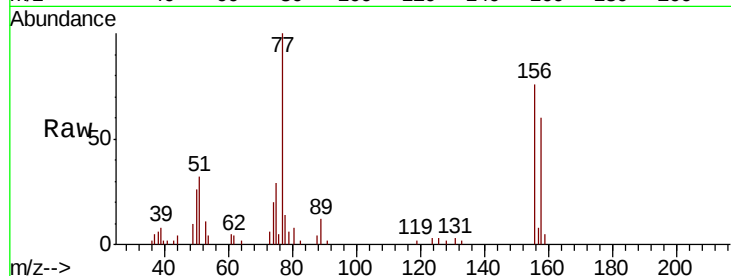
Tot Ion:156 Resp: 12940

Ion Ratio Lower Upper

156 100

77 141.6 76.0 228.0

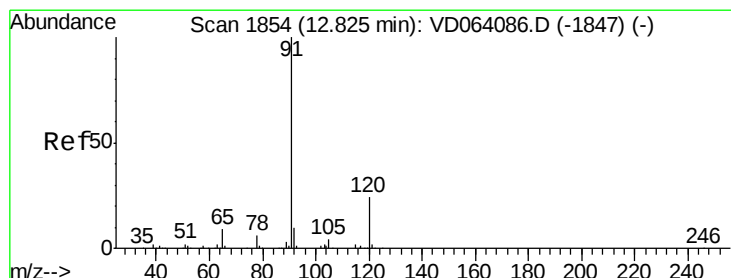
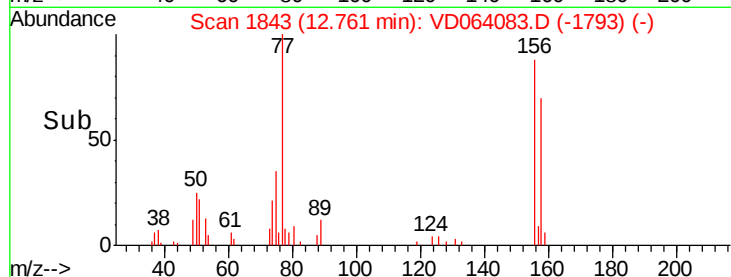
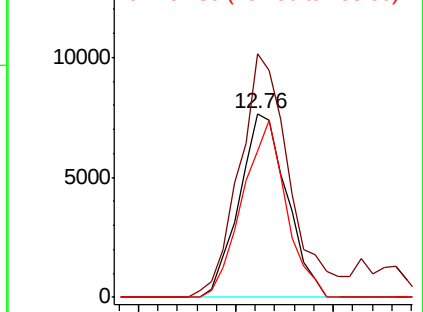
158 88.1 47.6 142.8



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: 4.526 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064083.D

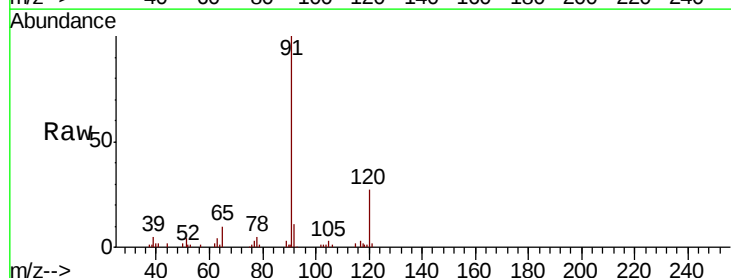
Acq: 29 Oct 2019 12:15

Tgt Ion: 91 Resp: 57324

Ion Ratio Lower Upper

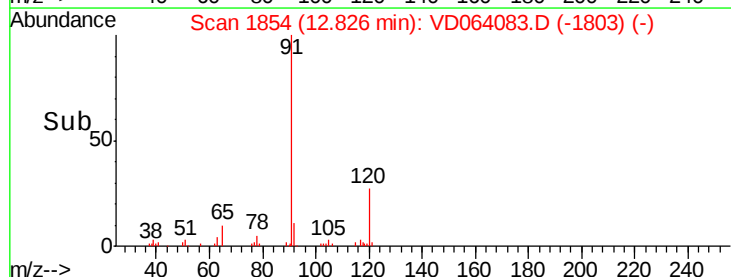
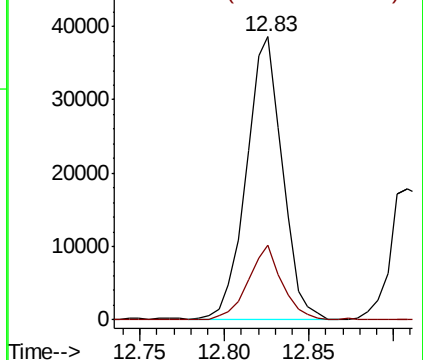
91 100

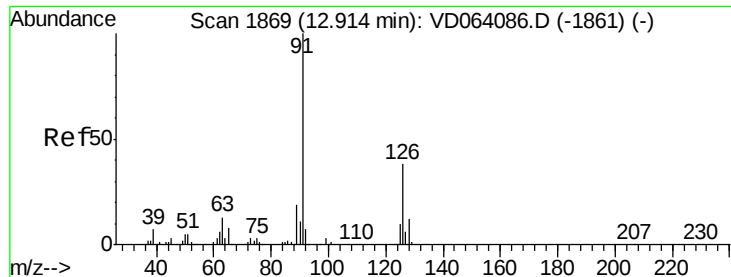
120 24.8 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.565 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

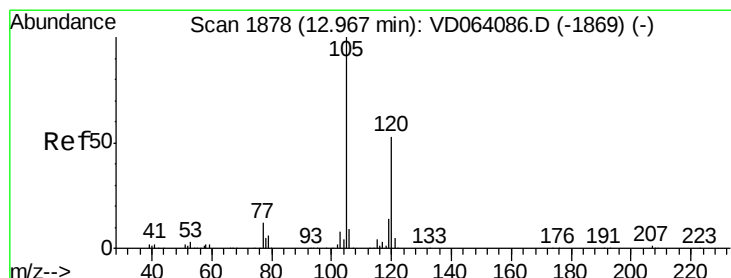
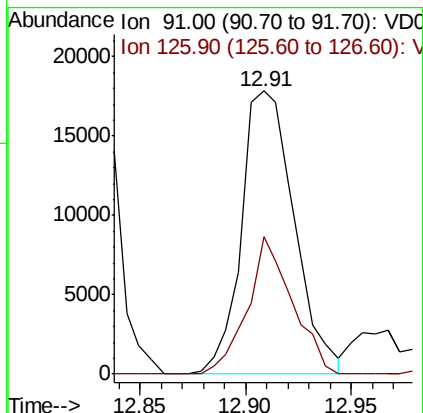
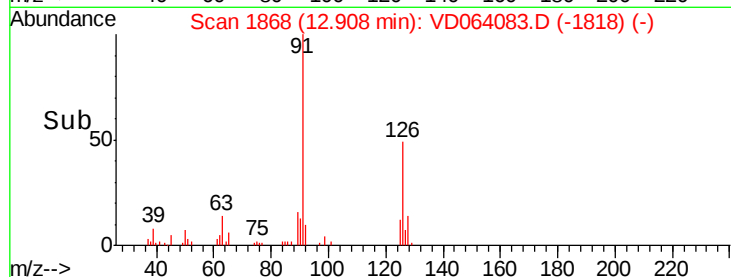
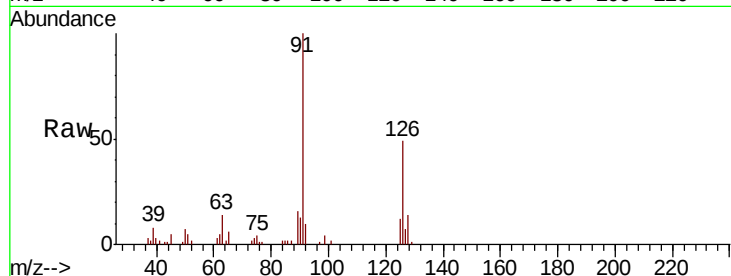
ClientSampled :

Tot Ion: 91 Resp: 30993

Ion Ratio Lower Upper

91 100

126 41.1 19.1 57.1



#80

1,3,5-Trimethylbenzene

Concen: 4.690 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064083.D

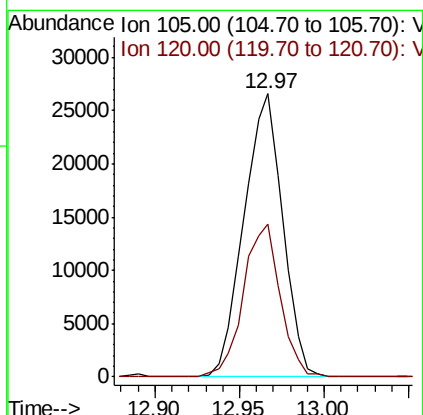
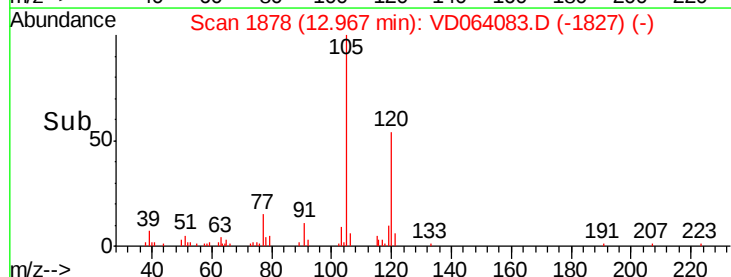
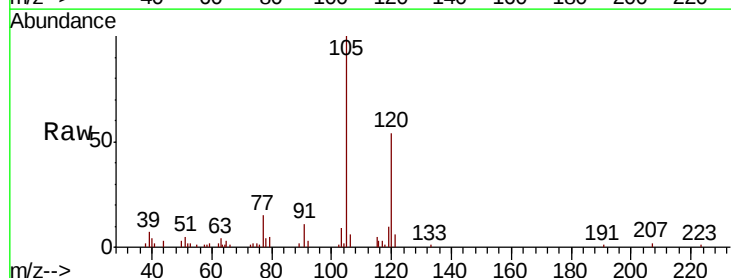
Acq: 29 Oct 2019 12:15

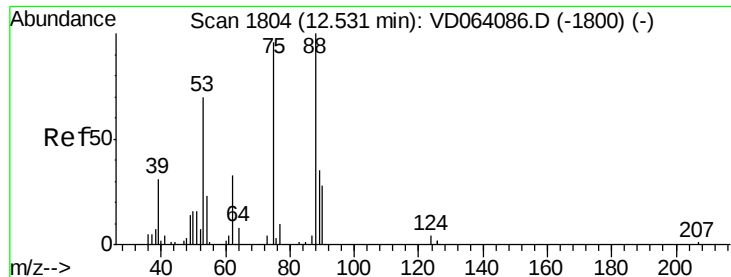
Tgt Ion:105 Resp: 42419

Ion Ratio Lower Upper

105 100

120 51.3 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 4.393 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

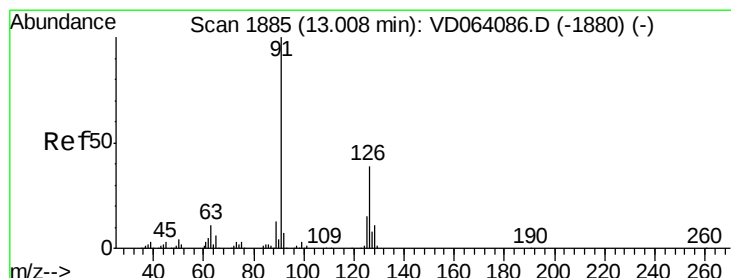
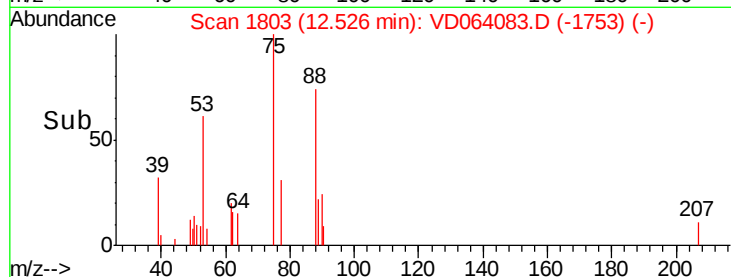
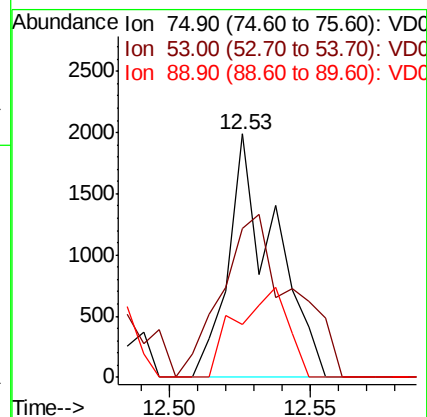
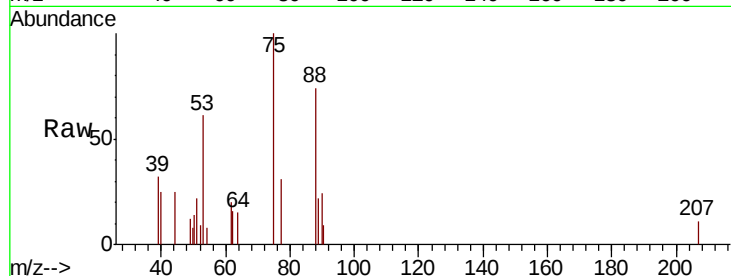
Tot Ion: 75 Resp: 2248

Ion Ratio Lower Upper

75 100

53 101.4 68.6 103.0

89 41.3 36.9 55.3



#82

4-Chlorotoluene

Concen: 4.894 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064083.D

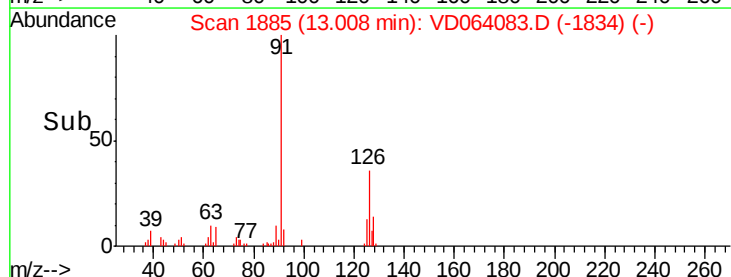
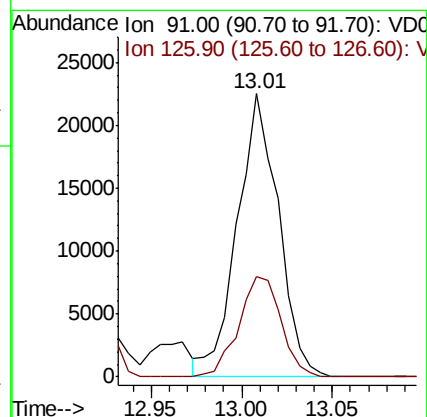
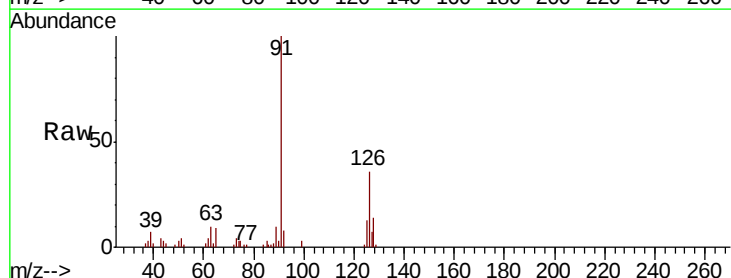
Acq: 29 Oct 2019 12:15

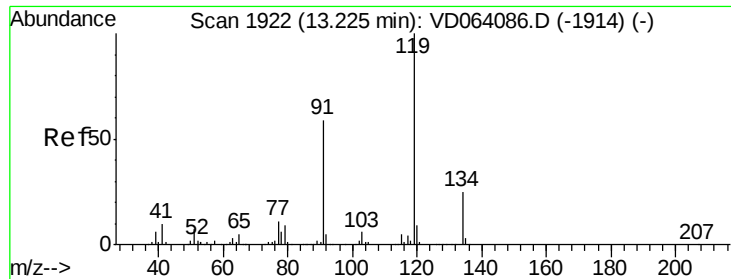
Tgt Ion: 91 Resp: 35499

Ion Ratio Lower Upper

91 100

126 36.3 18.9 56.5

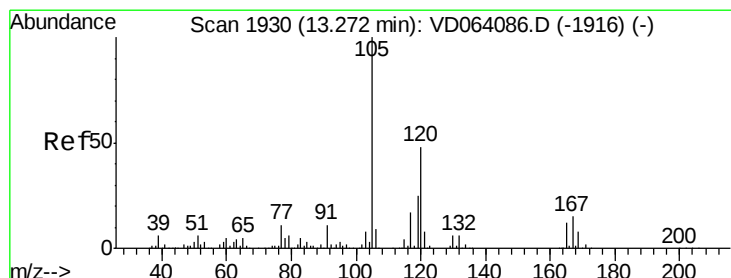
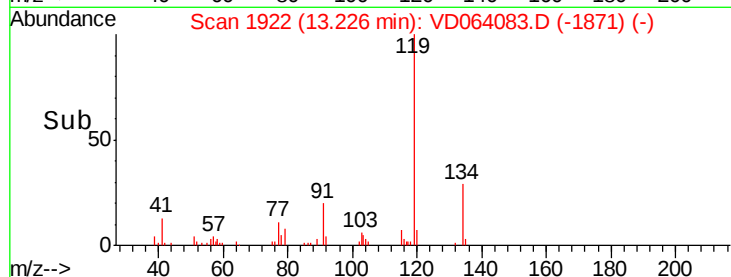
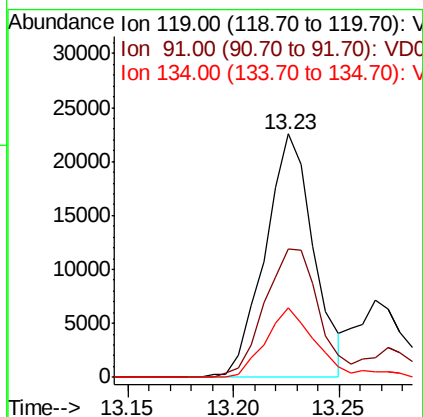
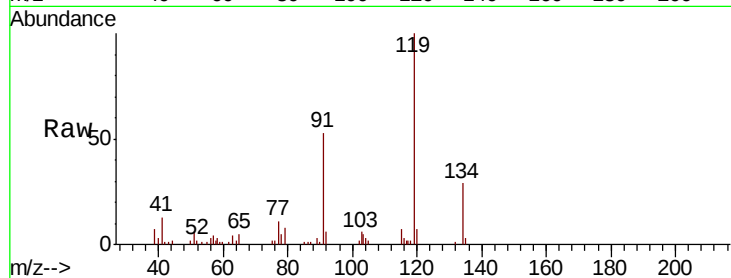




#83
tert-Butylbenzene
Concen: 4.430 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

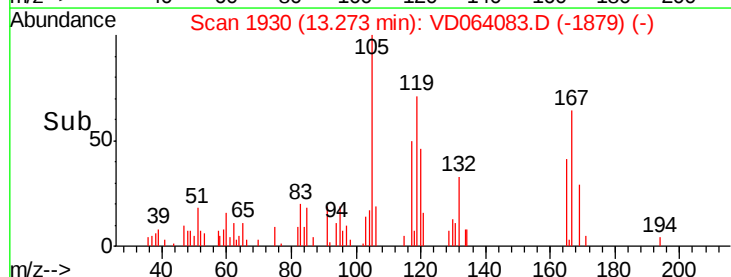
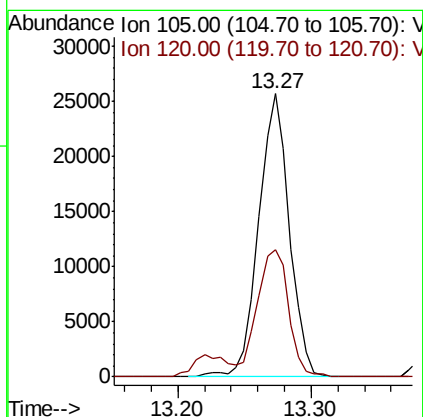
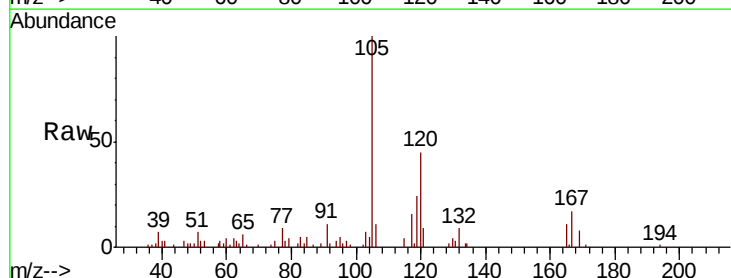
Instrument :
MSVOA_D
ClientSampleId :

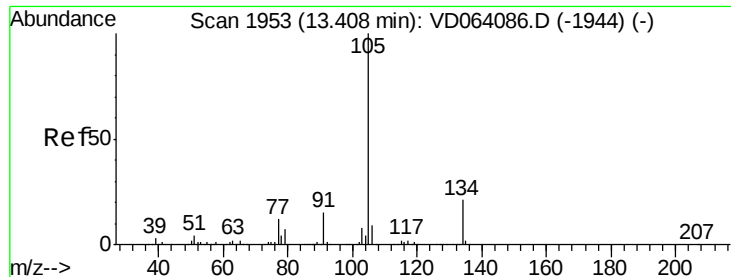
Tot Ion:119 Resp: 35986
Ion Ratio Lower Upper
119 100
91 58.7 28.3 85.0
134 30.2 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 4.476 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion:105 Resp: 40664
Ion Ratio Lower Upper
105 100
120 46.0 24.1 72.4





#85

sec-Butylbenzene

Concen: 4.463 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

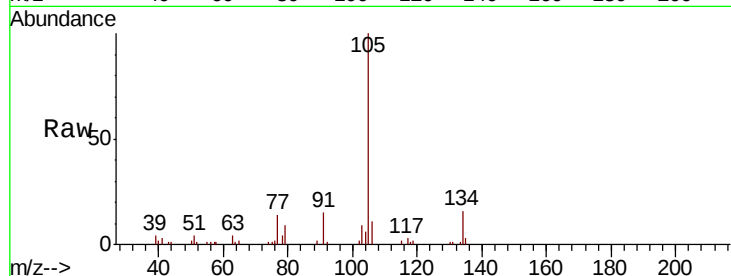
ClientSampleId :

Tot Ion:105 Resp: 49793

Ion Ratio Lower Upper

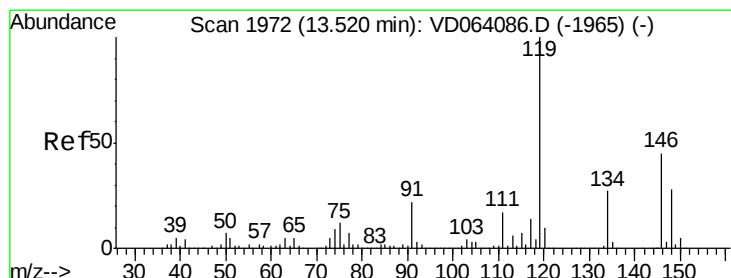
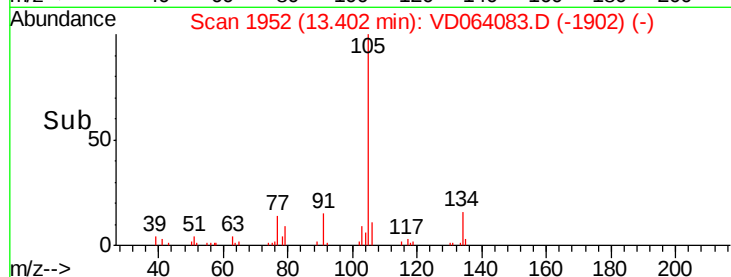
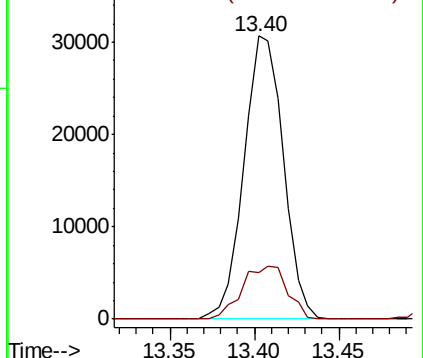
105 100

134 21.5 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.140 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

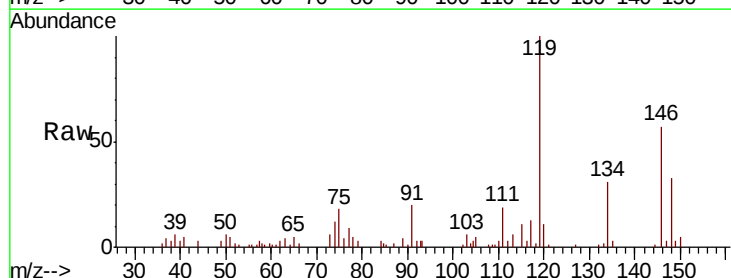
Tgt Ion:119 Resp: 43391

Ion Ratio Lower Upper

119 100

134 31.3 13.6 40.8

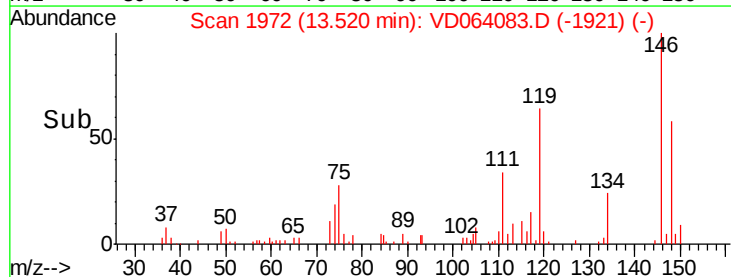
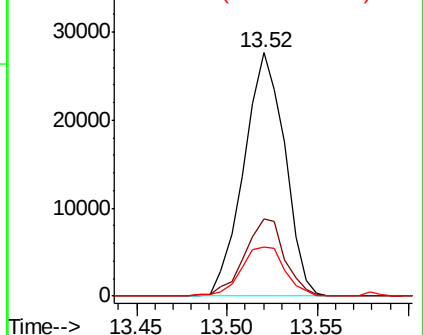
91 21.5 10.9 32.6

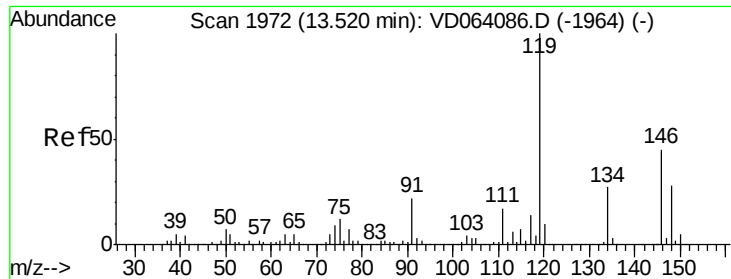


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

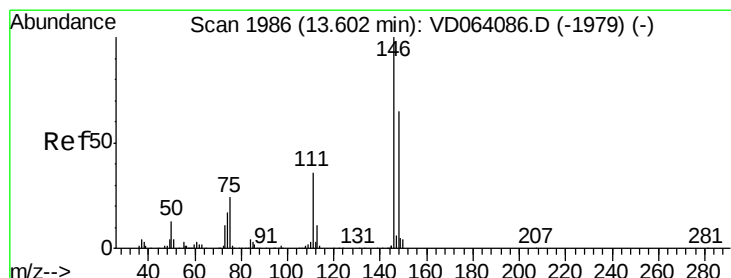
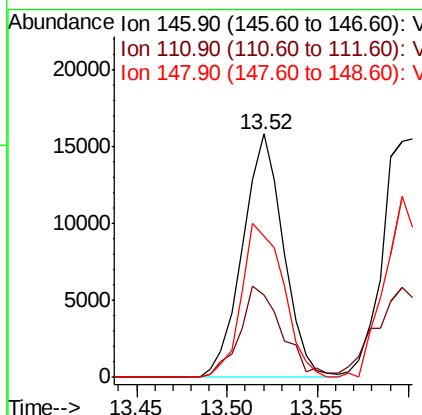
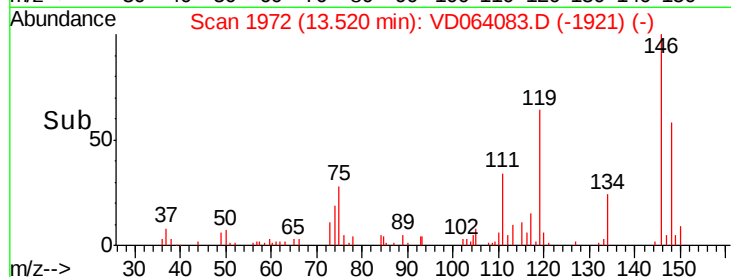
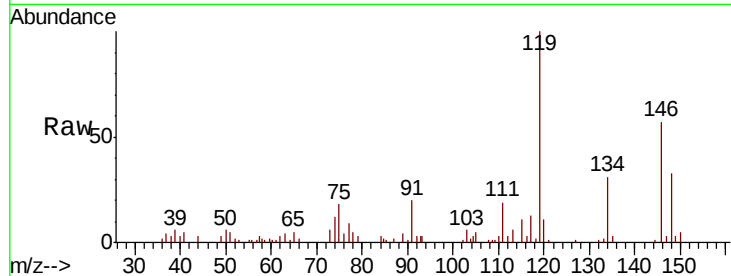




#87
 1,3-Dichlorobenzene
 Concen: 4.742 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

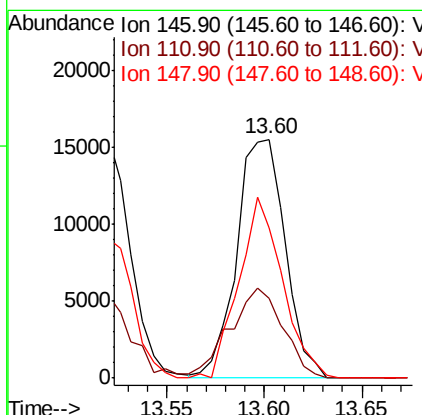
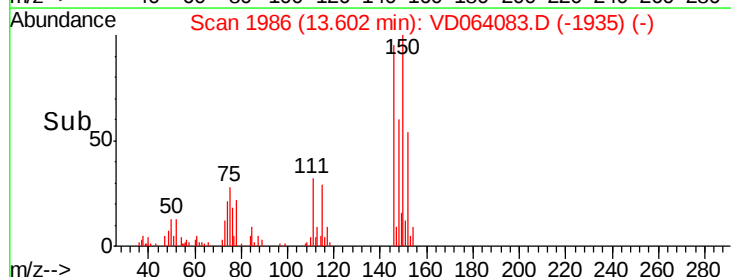
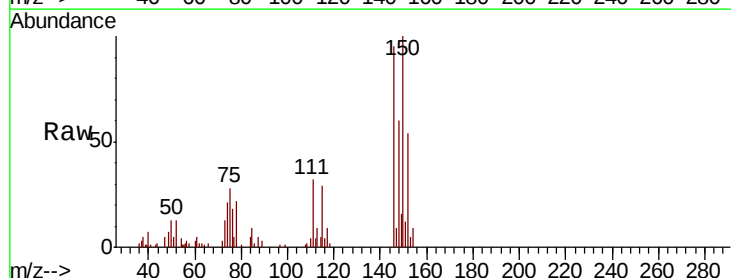
Instrument :
 MSVOA_D
 ClientSampleId :

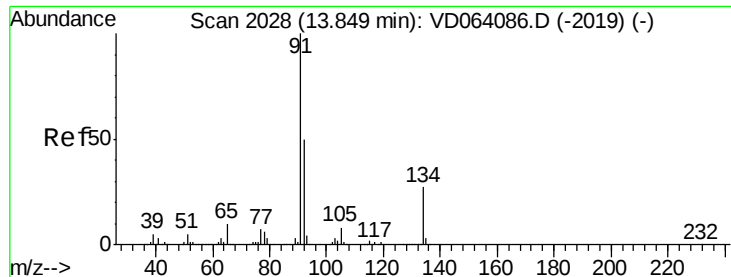
Tot Ion:146 Resp: 24794
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.9 56.9
 148 65.0 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 5.186 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion:146 Resp: 26730
 Ion Ratio Lower Upper
 146 100
 111 41.4 18.4 55.4
 148 68.2 32.4 97.0

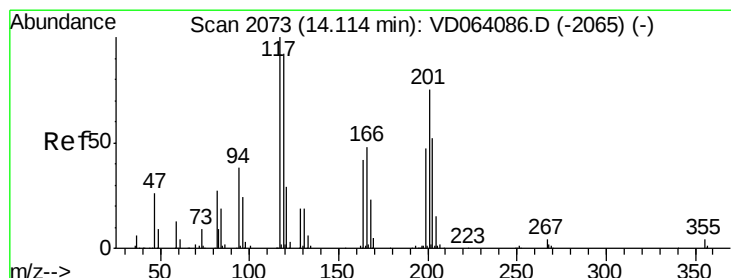
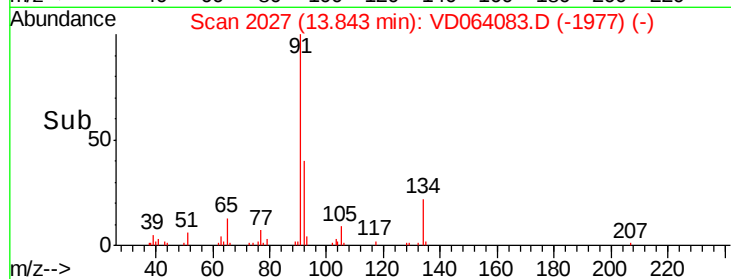
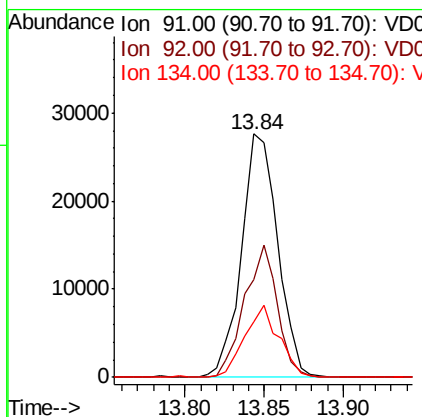
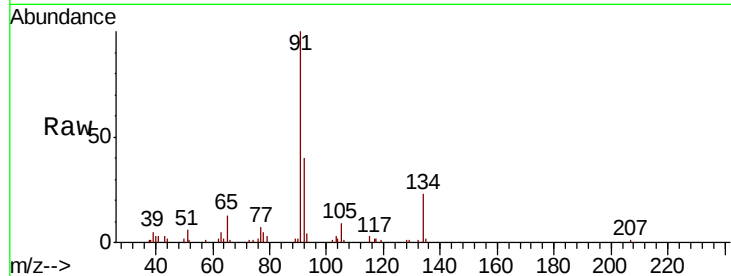




#89
n-Butylbenzene
Concen: 4.533 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

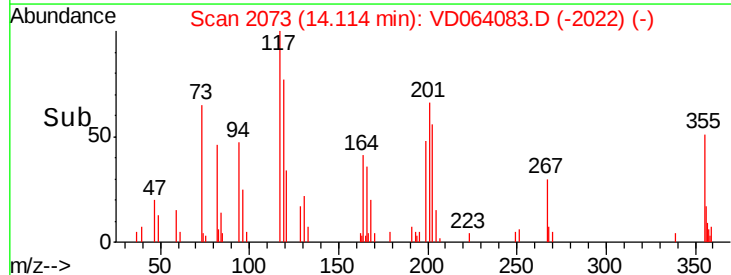
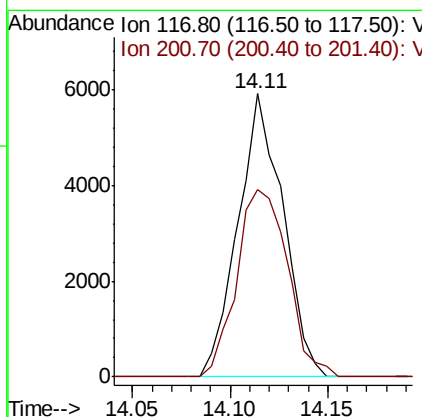
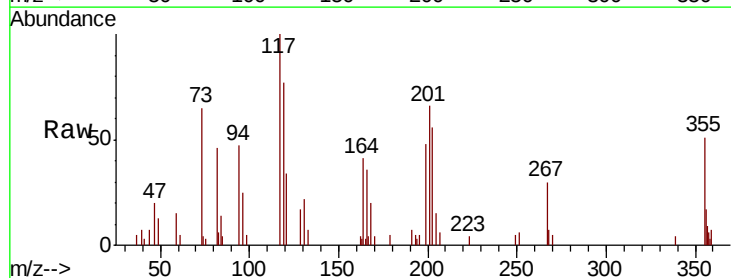
Instrument :
MSVOA_D
ClientSampleId :

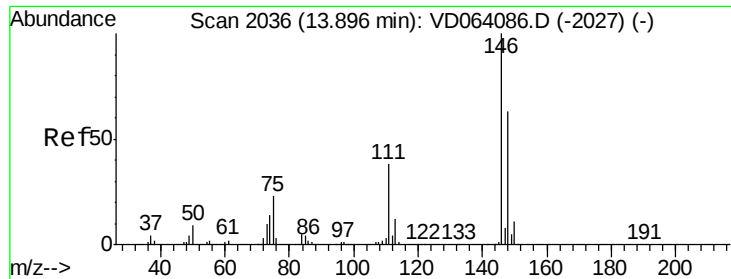
Tot Ion: 91 Resp: 43825
Ion Ratio Lower Upper
91 100
92 49.4 25.6 76.6
134 28.0 14.0 42.0



#90
Hexachloroethane
Concen: 4.813 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 117 Resp: 9446
Ion Ratio Lower Upper
117 100
201 75.1 38.4 115.2

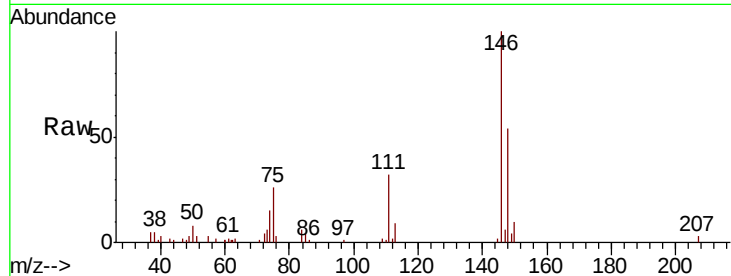




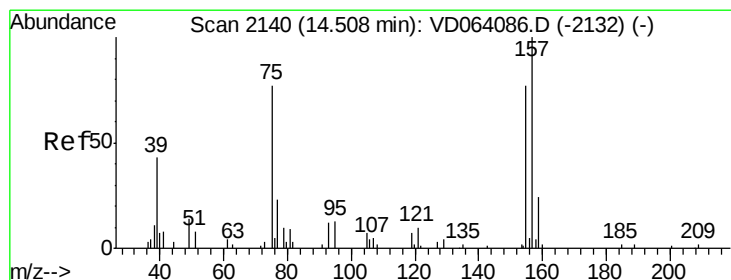
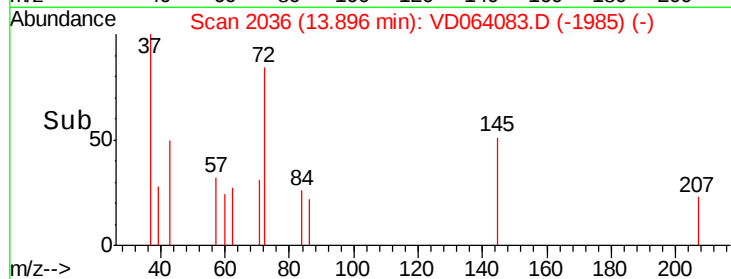
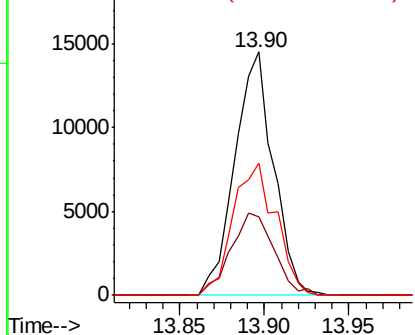
#91
 1,2-Dichlorobenzene
 Concen: 5.121 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 23045
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 60.0 32.1 96.5

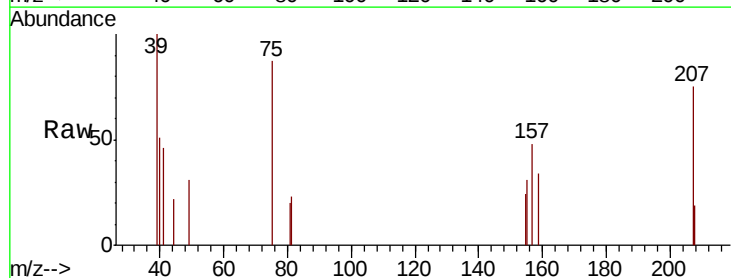


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

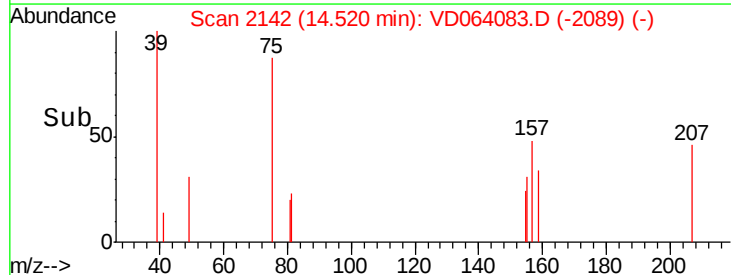
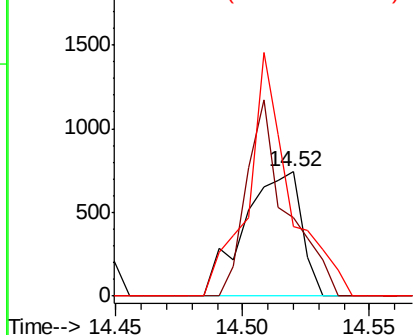


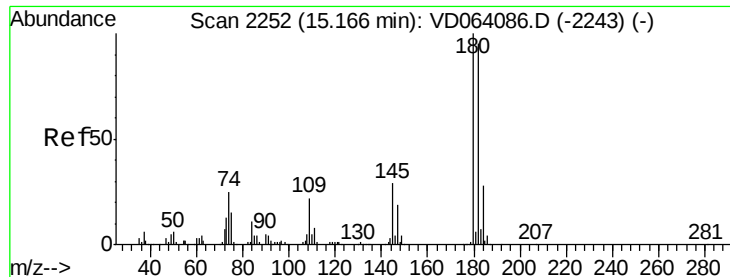
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.735 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 75 Resp: 1178
 Ion Ratio Lower Upper
 75 100
 155 110.5 56.3 168.9
 157 142.6 72.2 216.6



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

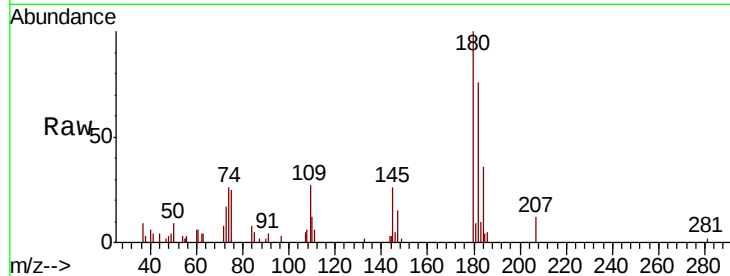




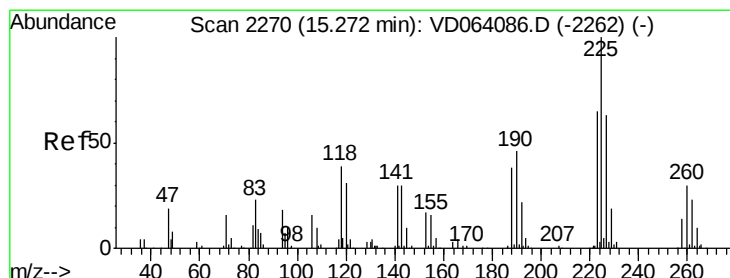
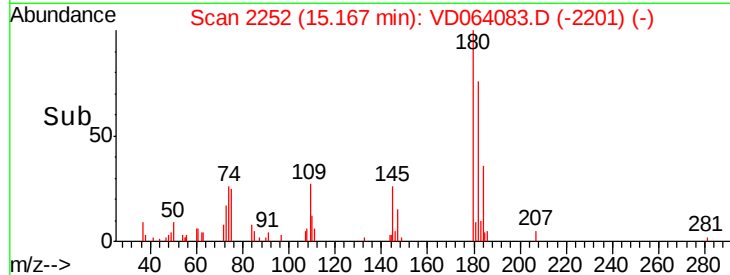
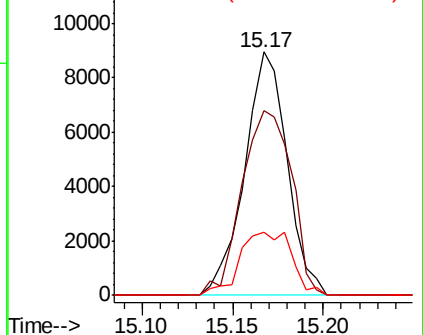
#93
 1,2,4-Trichlorobenzene
 Concen: 4.520 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 14621
 Ion Ratio Lower Upper
 180 100
 182 88.5 46.9 140.7
 145 31.8 14.2 42.6

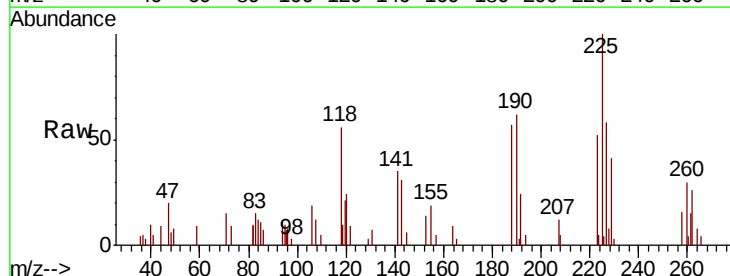


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

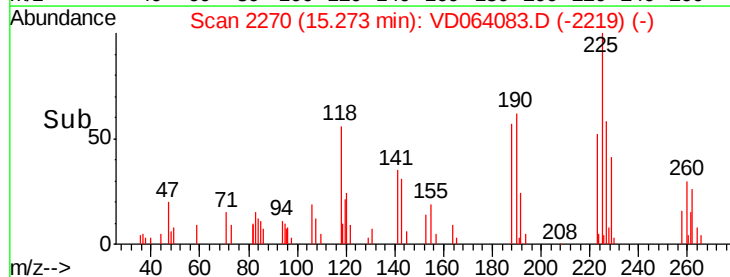
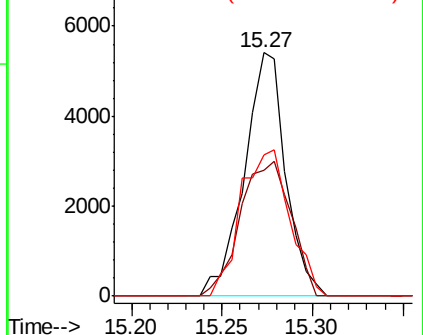


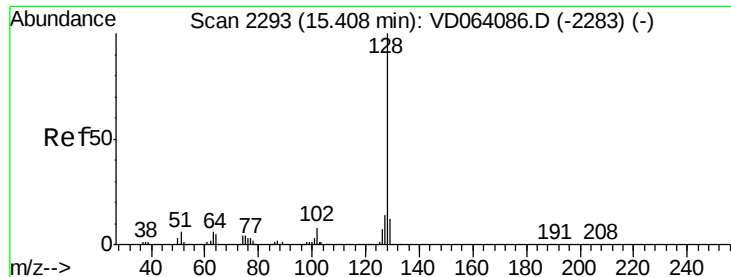
#94
 Hexachlorobutadiene
 Concen: 4.553 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion:225 Resp: 8607
 Ion Ratio Lower Upper
 225 100
 223 67.8 30.8 92.3
 227 71.3 31.7 95.1



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

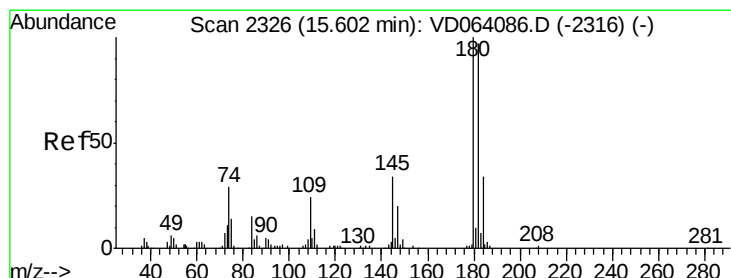
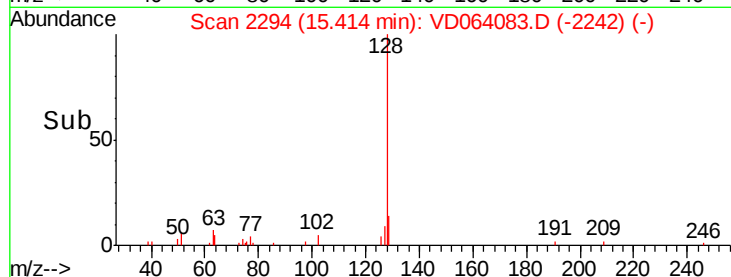
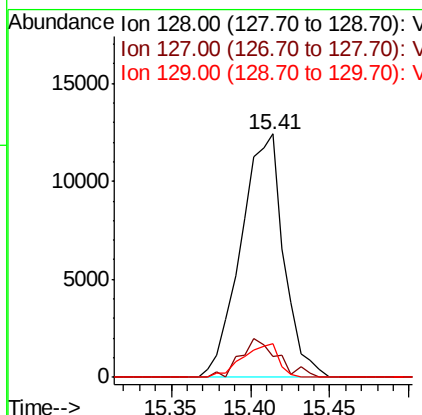
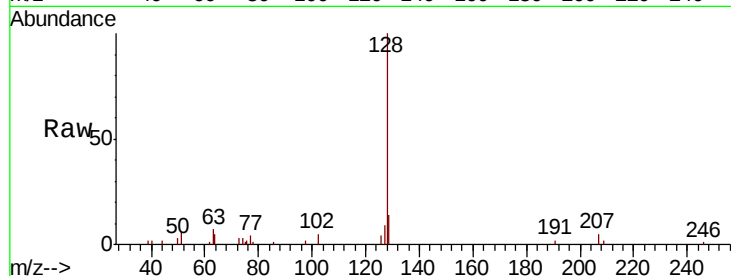




#95
Naphthalene
Concen: 4.418 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 23306
Ion Ratio Lower Upper
128 100
127 13.8 10.9 16.3
129 11.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 4.764 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion:180 Resp: 13347
Ion Ratio Lower Upper
180 100
182 94.7 48.4 145.0
145 34.9 16.4 49.4

