

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064341.D
 Acq On : 22 Nov 2019 12:13
 Operator : VA/SY
 Sample : VD1122SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 23 00:45:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	543004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	779603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	669715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	201383	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
35) Dibromofluoromethane	7.92	113	216017	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.34	98	807158	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.64	95	262871	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	84413	18.744	ug/l	95
3) Chloromethane	2.21	50	100549	20.815	ug/l	95
4) Vinyl Chloride	2.35	62	125324	24.261	ug/l	97
5) Bromomethane	2.76	94	83501	25.599	ug/l	94
6) Chloroethane	2.92	64	82783	25.080	ug/l	96
7) Trichlorofluoromethane	3.27	101	216813	25.888	ug/l	97
8) Diethyl Ether	3.70	74	44525	19.335	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	100391	20.972	ug/l	99
10) Methyl Iodide	4.30	142	91283	18.058	ug/l	97
11) Tert butyl alcohol	5.25	59	28943	92.789	ug/l	96
12) 1,1-Dichloroethene	4.06	96	93176	20.421	ug/l	98
13) Acrolein	3.93	56	17184	65.121	ug/l	94
14) Allyl chloride	4.70	41	145417	18.025	ug/l	94
15) Acrylonitrile	5.43	53	93841	95.588	ug/l	98
16) Acetone	4.16	43	83978	79.376	ug/l	97
17) Carbon Disulfide	4.40	76	257733	18.138	ug/l	97
18) Methyl Acetate	4.73	43	55077	18.639	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	201786	18.525	ug/l	93
20) Methylene Chloride	4.96	84	102918	19.258	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	103081	19.940	ug/l	92
22) Diisopropyl ether	6.37	45	278174	18.584	ug/l	97
23) Vinyl Acetate	6.31	43	778028	93.247	ug/l	97
24) 1,1-Dichloroethane	6.26	63	173493	19.962	ug/l	97
25) 2-Butanone	7.22	43	120990	88.518	ug/l	99
26) 2,2-Dichloropropane	7.21	77	161320	18.927	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110025	19.847	ug/l	96
28) Bromochloromethane	7.54	49	49896	16.490	ug/l	99
29) Tetrahydrofuran	7.57	42	77735	94.657	ug/l	98
30) Chloroform	7.71	83	187235	21.061	ug/l	96
31) Cyclohexane	7.98	56	165635	18.897	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	165829	19.481	ug/l	99
36) 1,1-Dichloropropene	8.11	75	144624	20.100	ug/l	100
37) Ethyl Acetate	7.30	43	55040	18.145	ug/l #	94
38) Carbon Tetrachloride	8.10	117	154434	20.059	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177679	19.516	ug/l	95
40) Benzene	8.35	78	391777	19.923	ug/l	99
41) Methacrylonitrile	7.53	41	29055	15.240	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	113232	19.172	ug/l	100
43) Isopropyl Acetate	8.46	43	110982	17.758	ug/l	98
44) Trichloroethene	9.11	130	117723	19.947	ug/l	98
45) 1,2-Dichloropropane	9.39	63	91972	19.216	ug/l	94
46) Dibromomethane	9.48	93	50815	19.831	ug/l	97
47) Bromodichloromethane	9.66	83	133218	19.301	ug/l	99
48) Methyl methacrylate	9.46	41	52153	17.066	ug/l	99
49) 1,4-Dioxane	9.47	88	12176	395.664	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	271774	90.681	ug/l	99
52) Toluene	10.41	92	255661	19.772	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	125155	18.100	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	151919	18.828	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	68884	19.817	ug/l	93
56) Ethyl methacrylate	10.67	69	89033	18.310	ug/l	96
57) 1,3-Dichloropropane	10.95	76	120758	19.920	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	188069	95.483	ug/l	98
59) 2-Hexanone	10.99	43	186841	87.627	ug/l	99
60) Dibromochloromethane	11.14	129	93917	19.363	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69316	19.909	ug/l	98
64) Tetrachloroethene	10.88	164	102277	19.857	ug/l	98
65) Chlorobenzene	11.67	112	272053	19.976	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	105781	20.427	ug/l	98
67) Ethyl Benzene	11.75	91	490833	19.925	ug/l	98
68) m/p-Xylenes	11.86	106	372140	39.412	ug/l	99
69) o-Xylene	12.18	106	169340	19.337	ug/l	97
70) Styrene	12.20	104	298521	19.529	ug/l	98
71) Bromoform	12.37	173	56561	19.192	ug/l #	100
73) Isopropylbenzene	12.48	105	486761	20.393	ug/l	99
74) N-amyl acetate	12.30	43	98705	17.511	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	74144	20.615	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	96729	36.929	ug/l #	100
77) Bromobenzene	12.77	156	116867	20.153	ug/l	97
78) n-propylbenzene	12.83	91	546150	20.027	ug/l	100
79) 2-Chlorotoluene	12.91	91	299827	19.474	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	387717	19.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22328	16.932	ug/l	97
82) 4-Chlorotoluene	13.01	91	308519	19.212	ug/l	96
83) tert-Butylbenzene	13.23	119	341934	19.771	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	387102	19.991	ug/l	100
85) sec-Butylbenzene	13.41	105	464244	19.986	ug/l	99
86) p-Isopropyltoluene	13.53	119	437272	19.801	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	217115	20.170	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	212012	20.180	ug/l	98
89) n-Butylbenzene	13.86	91	404238	20.262	ug/l	99
90) Hexachloroethane	14.12	117	80623	19.755	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	185149	20.321	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12361	19.222	ug/l	91

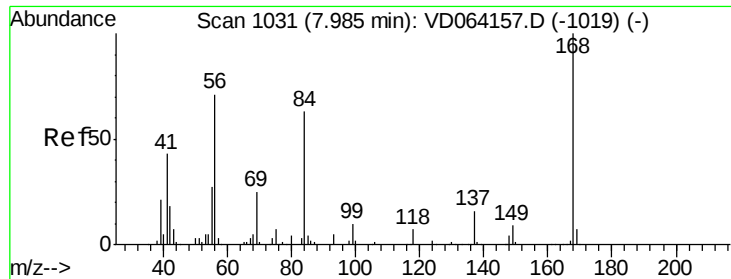
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	141717	20.164	ug/l	100
94) Hexachlorobutadiene	15.28	225	92777	20.437	ug/l	98
95) Naphthalene	15.41	128	228010	19.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	119927	20.074	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

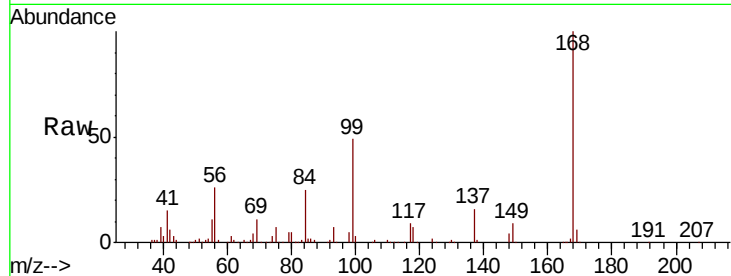
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 543004

Ion Ratio Lower Upper

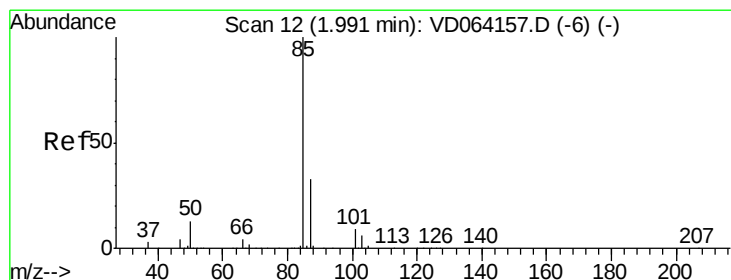
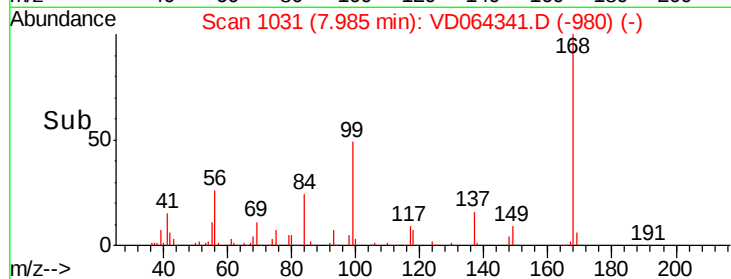
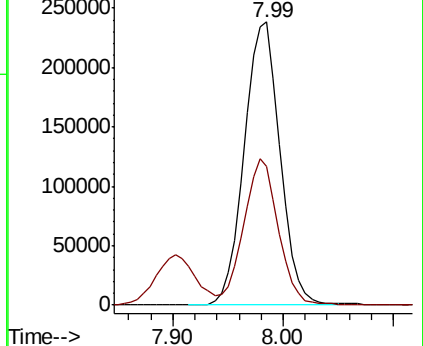
168 100

99 48.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.744 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064341.D

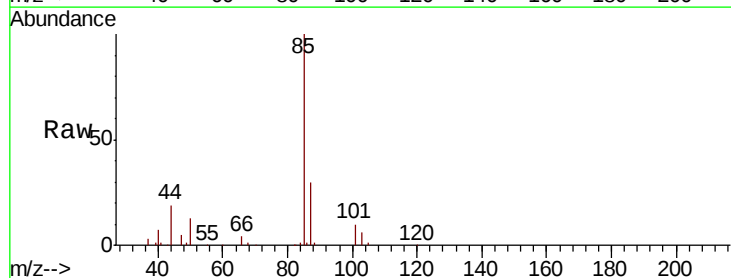
Acq: 22 Nov 2019 12:13

Tgt Ion: 85 Resp: 84413

Ion Ratio Lower Upper

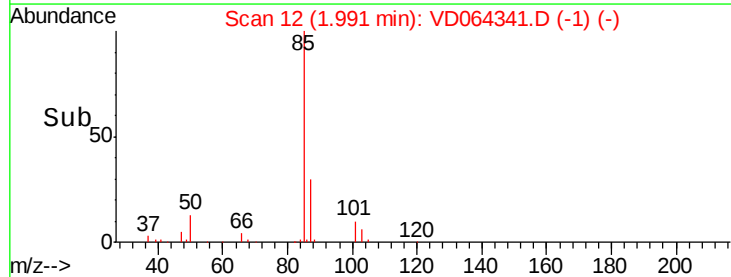
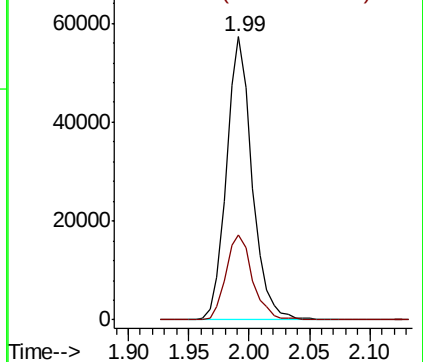
85 100

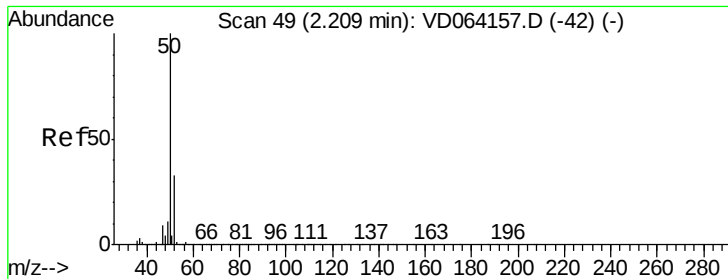
87 29.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.815 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

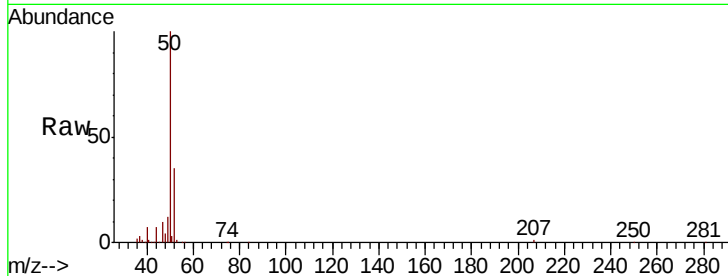
ClientSampleId :

Tot Ion: 50 Resp: 100549

Ion Ratio Lower Upper

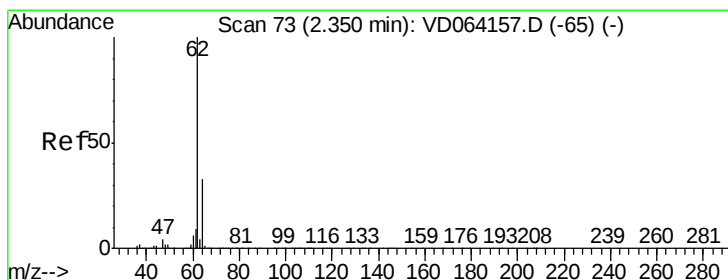
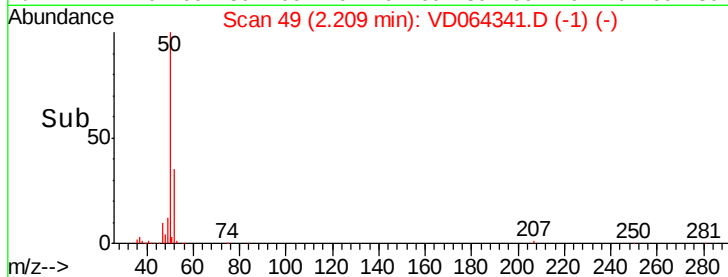
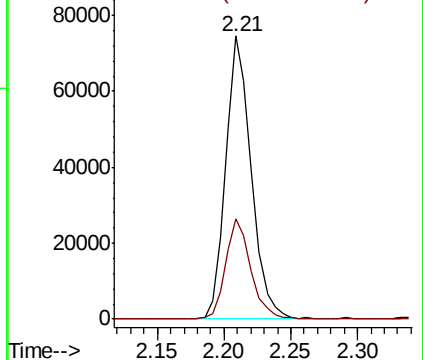
50 100

52 35.5 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 24.261 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064341.D

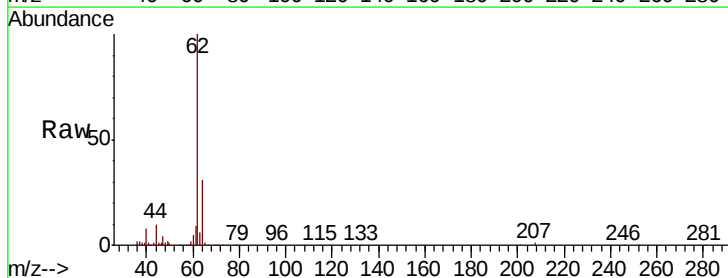
Acq: 22 Nov 2019 12:13

Tgt Ion: 62 Resp: 125324

Ion Ratio Lower Upper

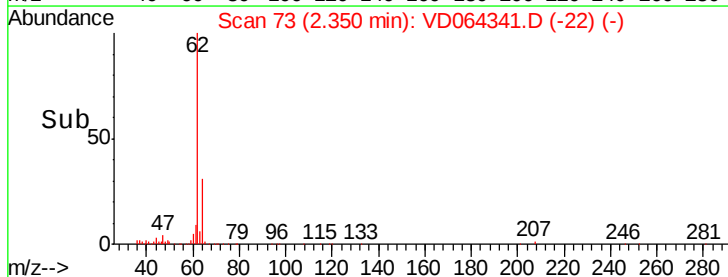
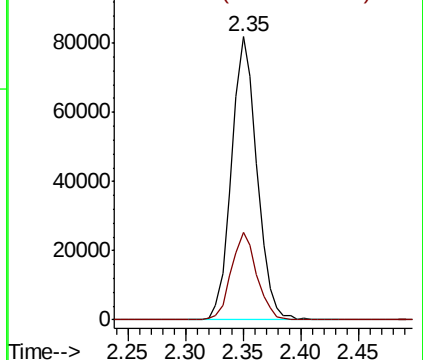
62 100

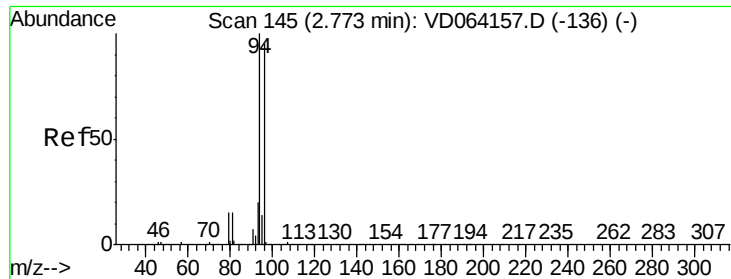
64 30.7 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.599 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

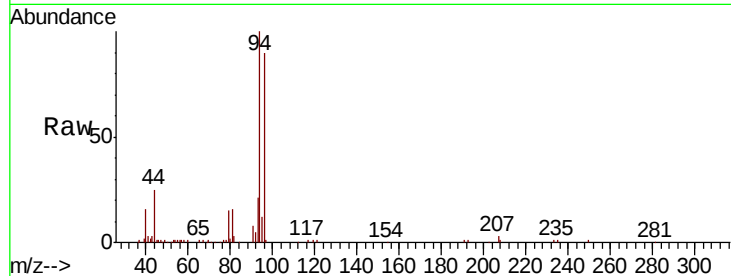
ClientSampleId :

Tot Ion: 94 Resp: 83501

Ion Ratio Lower Upper

94 100

96 89.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

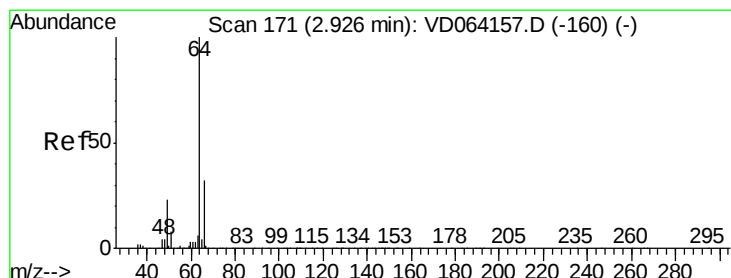
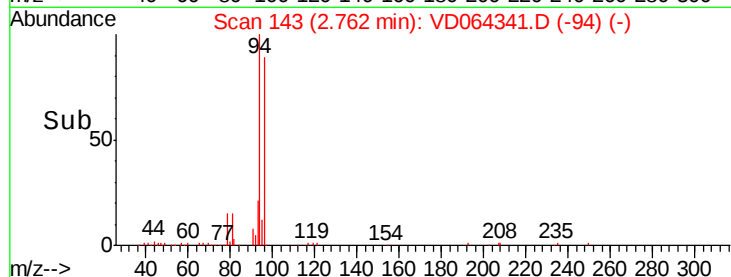
20000

10000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 25.080 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064341.D

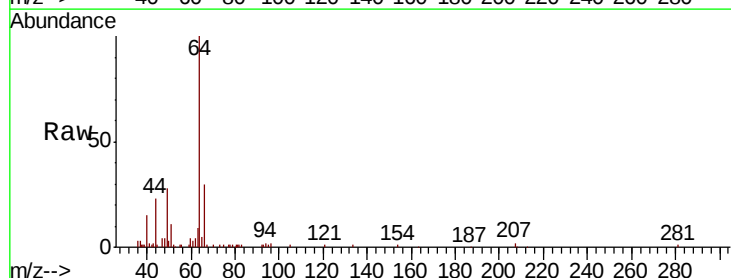
Acq: 22 Nov 2019 12:13

Tgt Ion: 64 Resp: 82783

Ion Ratio Lower Upper

64 100

66 29.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

30000

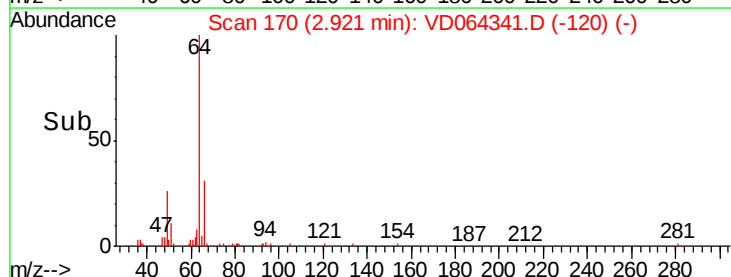
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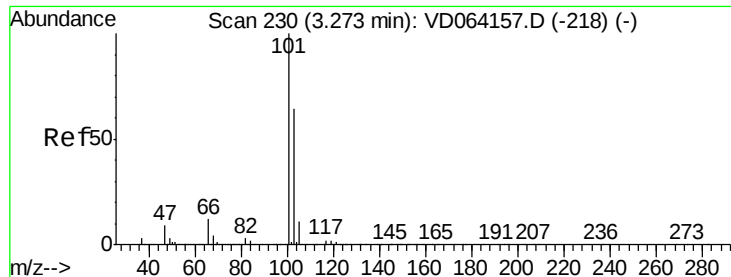
10000

0

Time-->

2.80 2.90 3.00



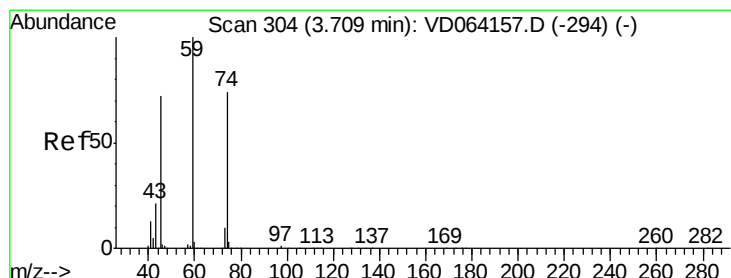
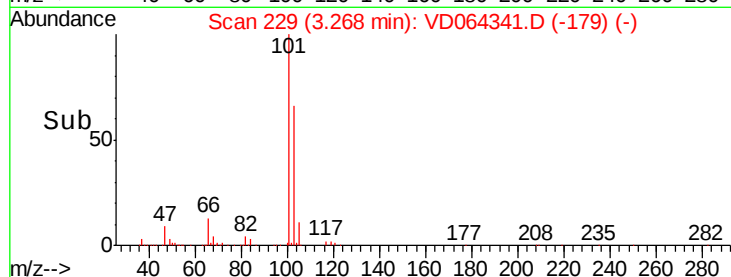
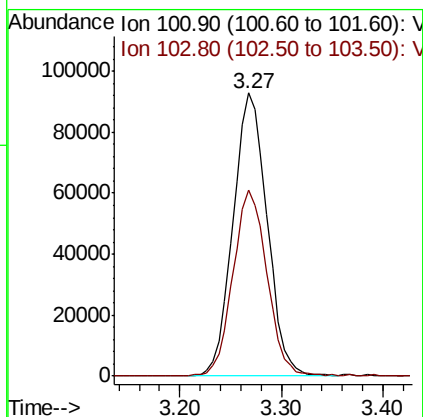
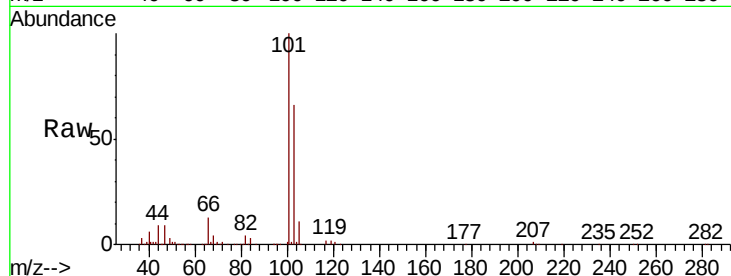


#7

Trichlorofluoromethane
Concen: 25.888 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :

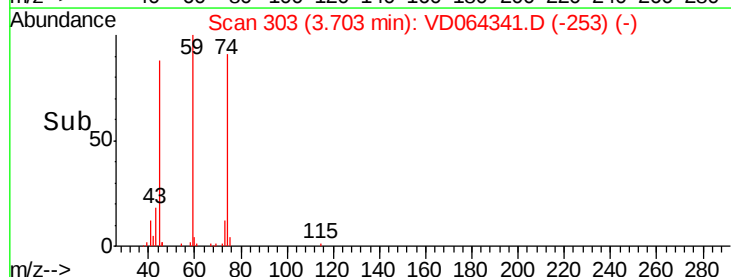
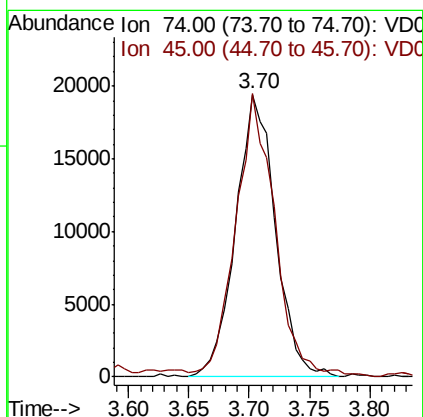
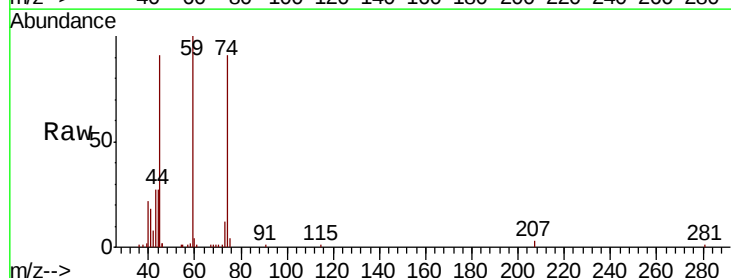
Tot Ion:101 Resp: 216813
Ion Ratio Lower Upper
101 100
103 65.7 50.8 76.2

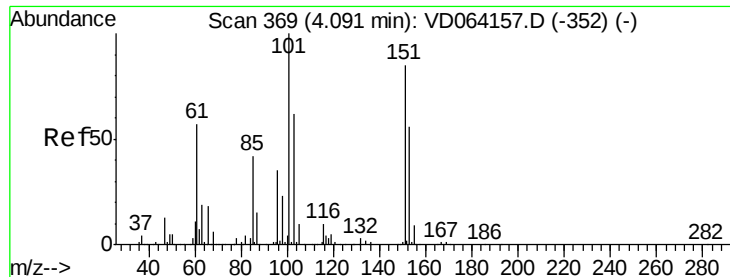


#8

Diethyl Ether
Concen: 19.335 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion: 74 Resp: 44525
Ion Ratio Lower Upper
74 100
45 99.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.972 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

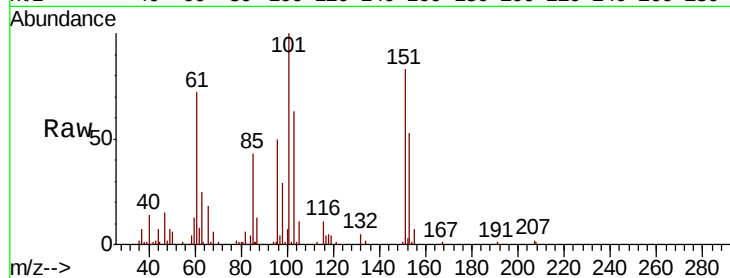
Tot Ion:101 Resp: 100391

Ion Ratio Lower Upper

101 100

85 43.7 34.4 51.6

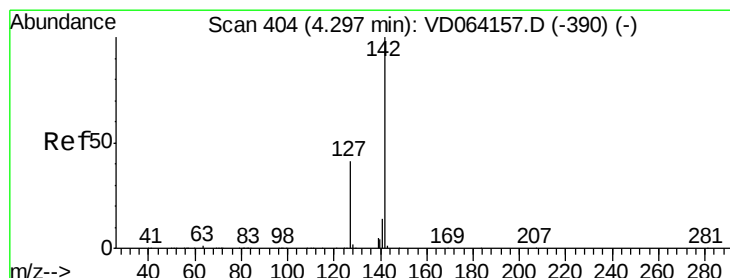
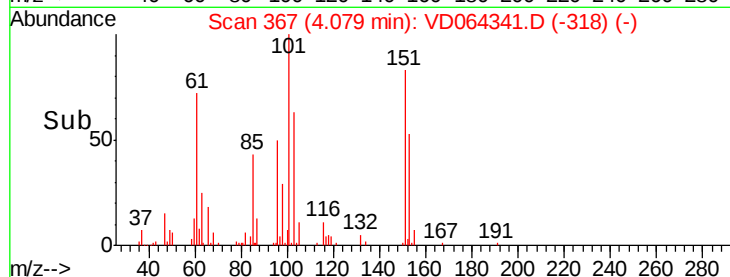
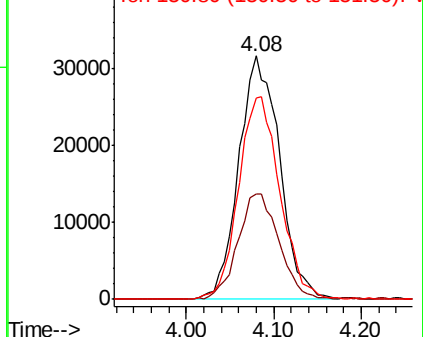
151 84.1 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.058 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

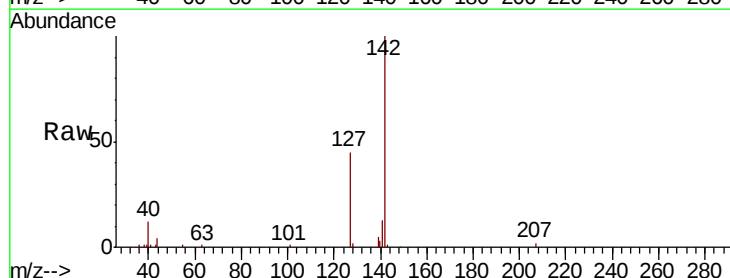
Tgt Ion:142 Resp: 91283

Ion Ratio Lower Upper

142 100

127 44.4 34.4 51.6

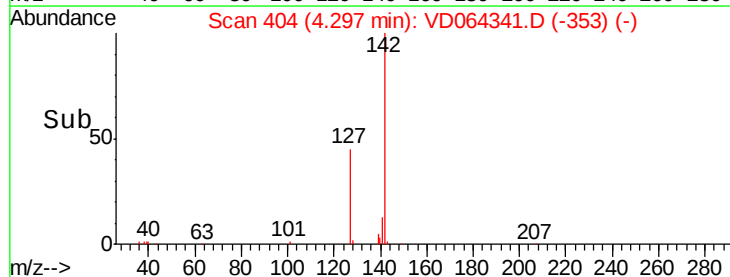
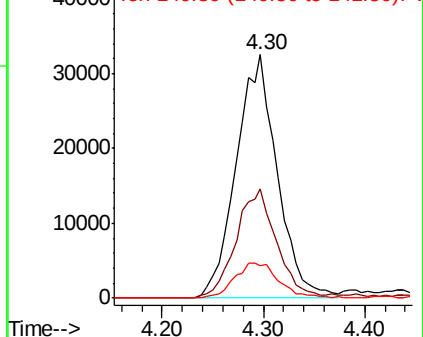
141 15.5 11.2 16.8



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



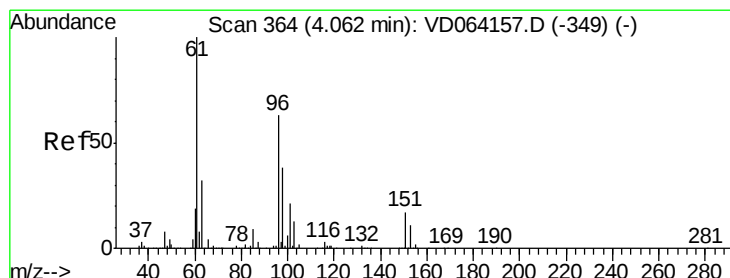
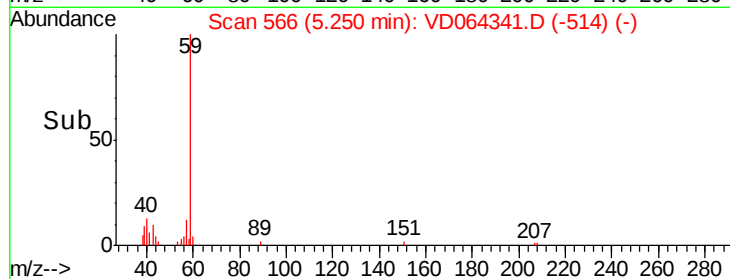
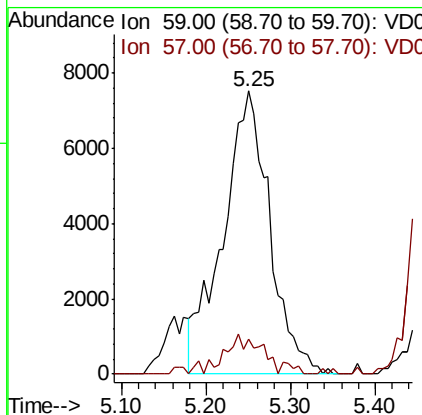
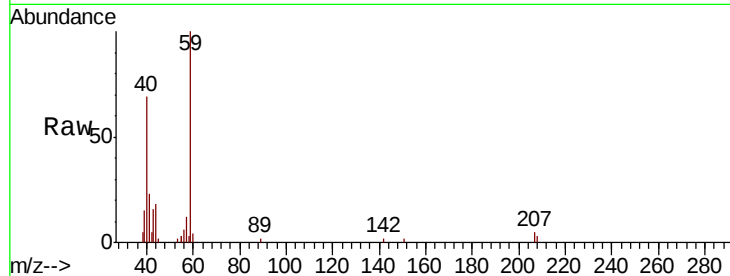


#11

Tert butyl alcohol
 Concen: 92.789 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :

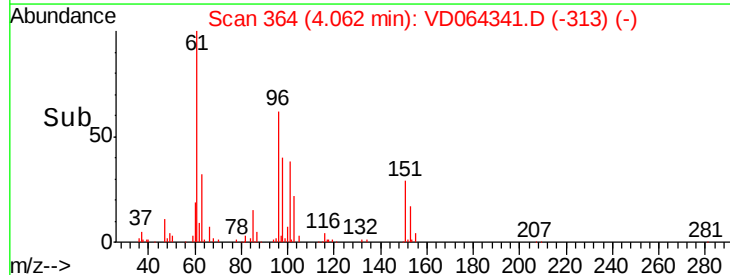
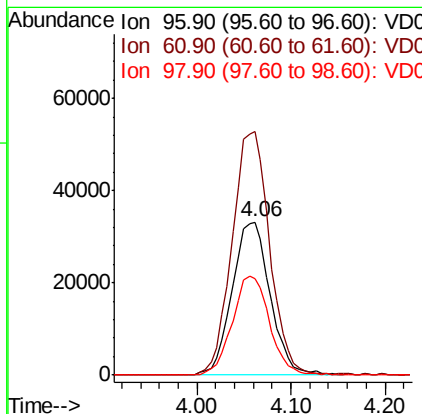
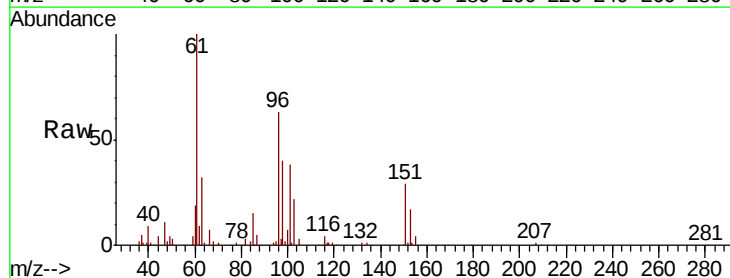
Tot Ion: 59 Resp: 28943
 Ion Ratio Lower Upper
 59 100
 57 10.4 9.4 14.2

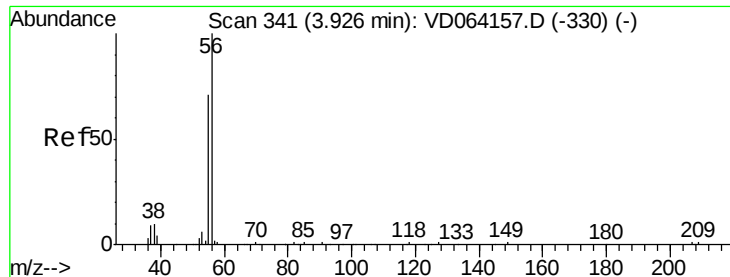


#12

1,1-Dichloroethene
 Concen: 20.421 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion: 96 Resp: 93176
 Ion Ratio Lower Upper
 96 100
 61 158.3 127.4 191.2
 98 62.8 48.1 72.1





#13

Acrolein

Concen: 65.121 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

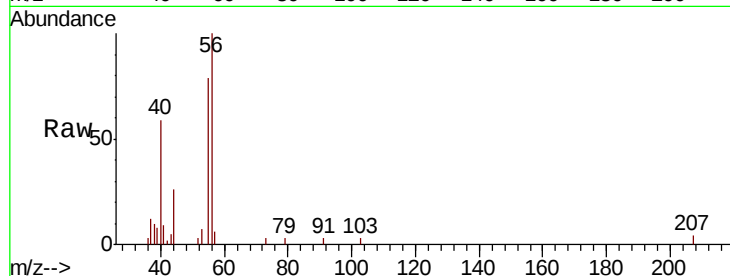
ClientSampleId :

Tot Ion: 56 Resp: 17184

Ion Ratio Lower Upper

56 100

55 75.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

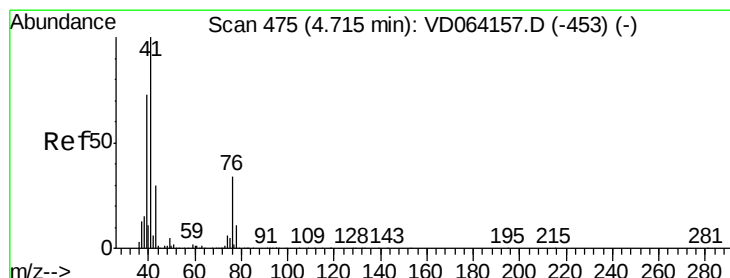
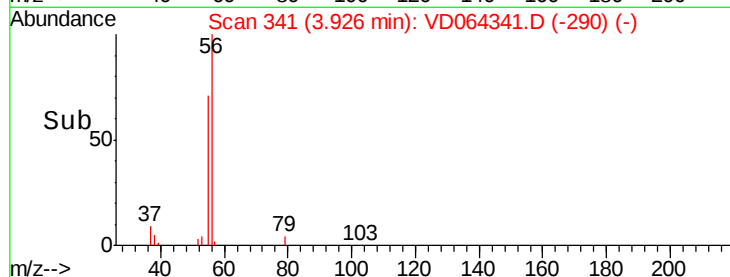
4000

2000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 18.025 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

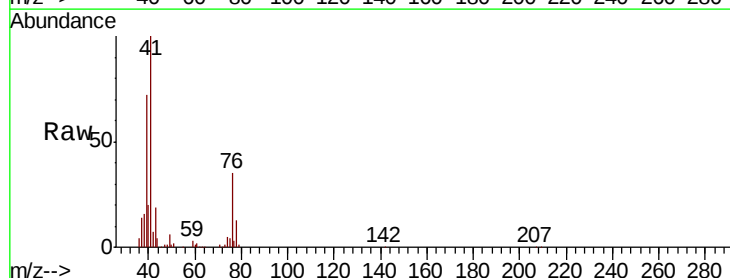
Tgt Ion: 41 Resp: 145417

Ion Ratio Lower Upper

41 100

39 76.9 57.5 86.3

76 37.6 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

50000

40000

30000

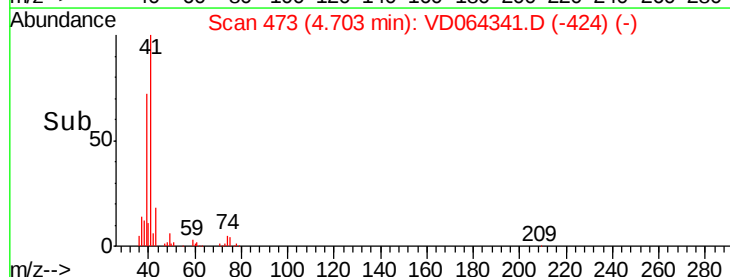
20000

10000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 95.588 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

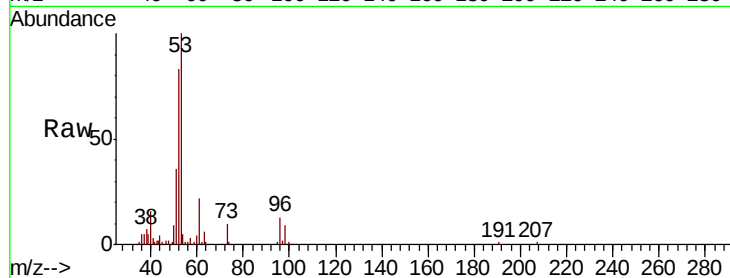
Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

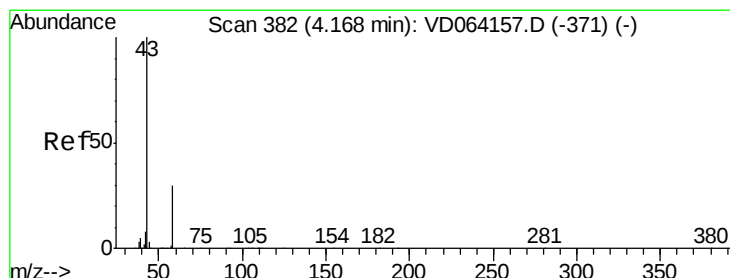
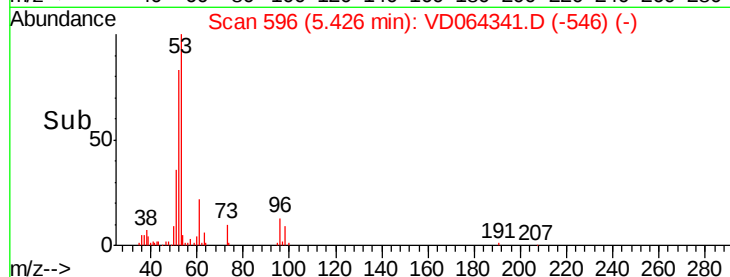
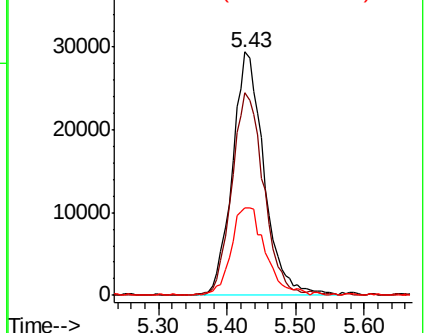
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 53 Resp: 93841

Ion	Ratio	Lower	Upper
53	100		
52	84.8	66.7	100.1
51	39.1	30.6	46.0



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



#16

Acetone

Concen: 79.376 ug/l

RT: 4.16 min Scan# 381

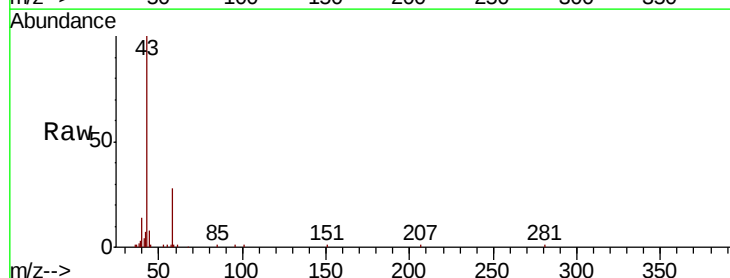
Delta R.T. -0.01 min

Lab File: VD064341.D

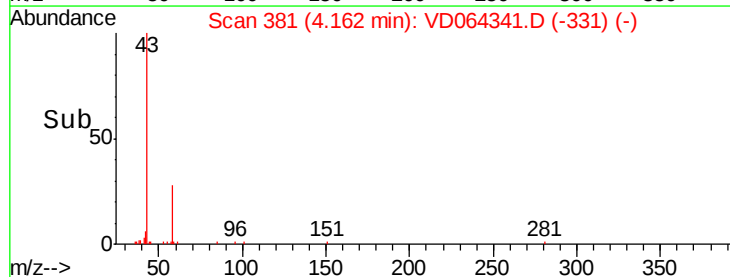
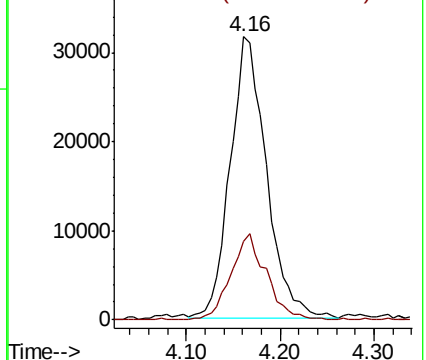
Acq: 22 Nov 2019 12:13

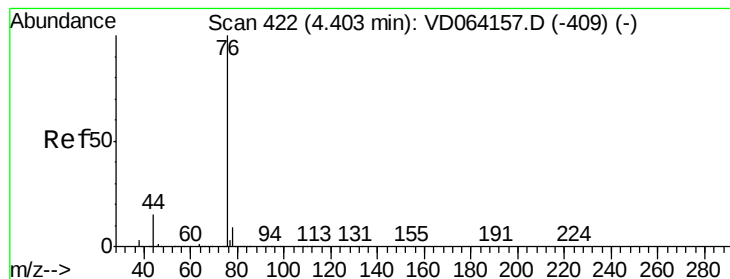
Tgt Ion: 43 Resp: 83978

Ion	Ratio	Lower	Upper
43	100		
58	28.2	24.1	36.1



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





#17

Carbon Disulfide

Concen: 18.138 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

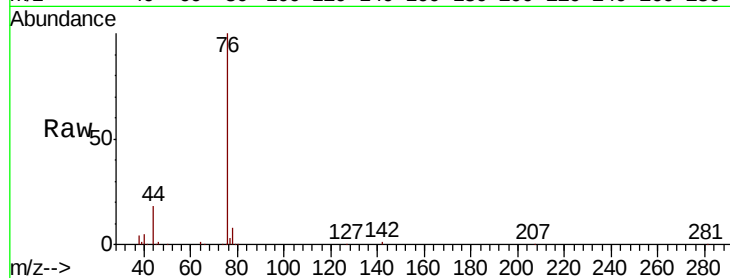
ClientSampleId :

Tot Ion: 76 Resp: 257733

Ion Ratio Lower Upper

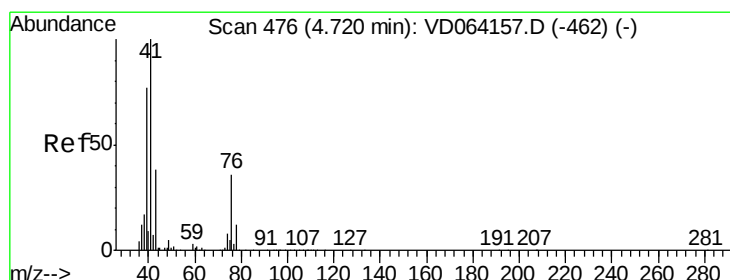
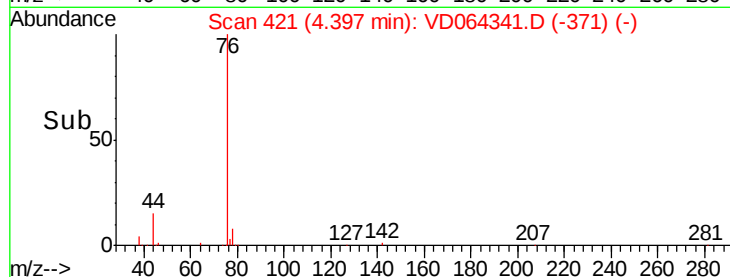
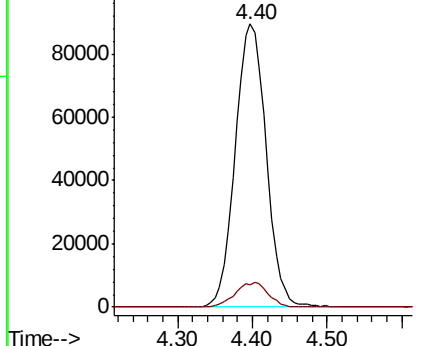
76 100

78 8.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.639 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064341.D

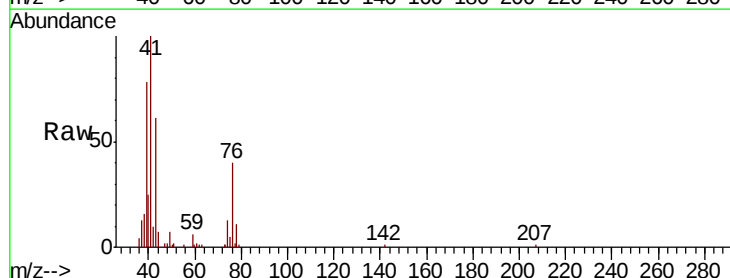
Acq: 22 Nov 2019 12:13

Tgt Ion: 43 Resp: 55077

Ion Ratio Lower Upper

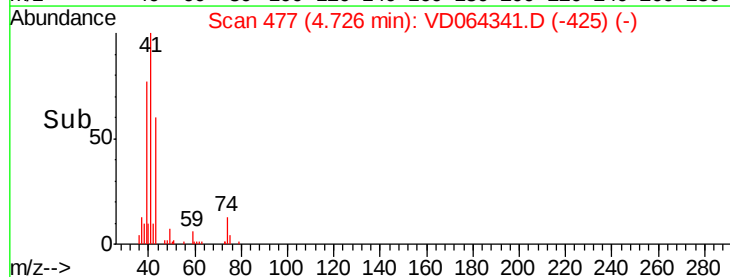
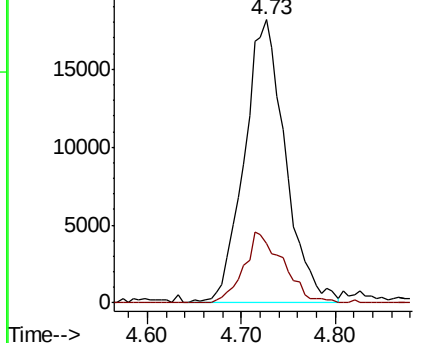
43 100

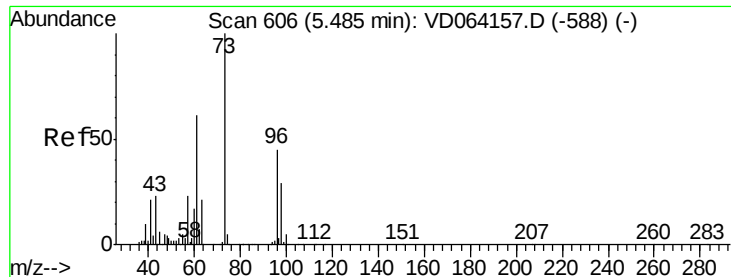
74 23.8 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



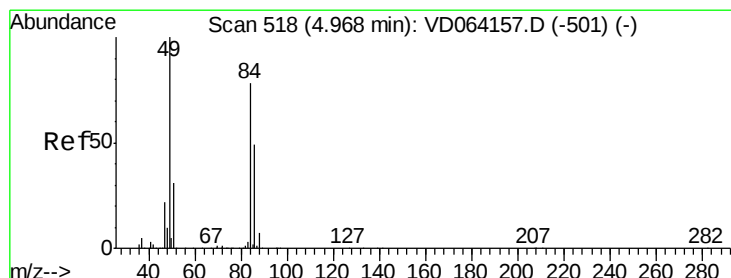
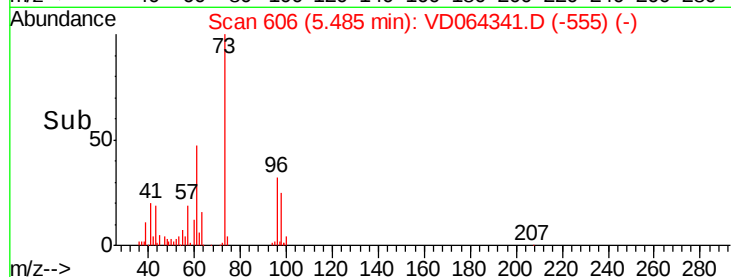
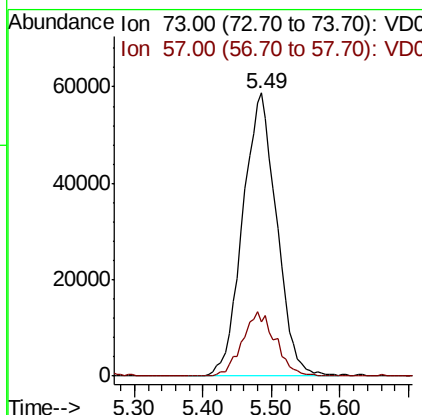
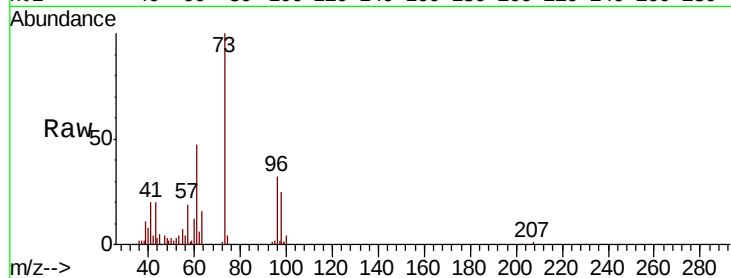


#19

Methyl tert-butyl Ether
 Concen: 18.525 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :

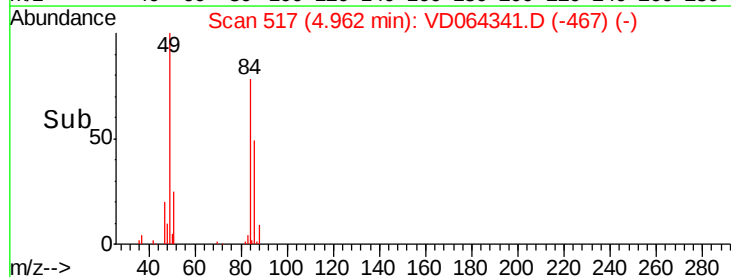
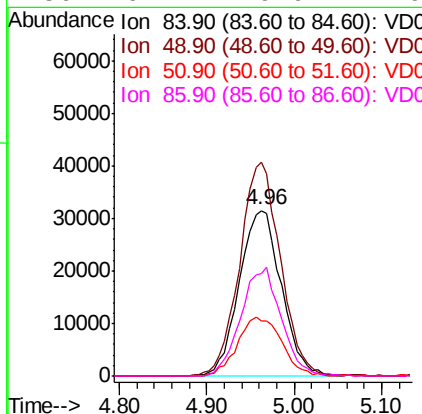
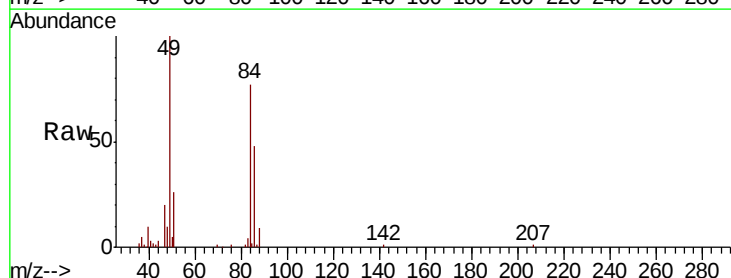
Tot Ion: 73 Resp: 201786
 Ion Ratio Lower Upper
 73 100
 57 19.4 18.4 27.6

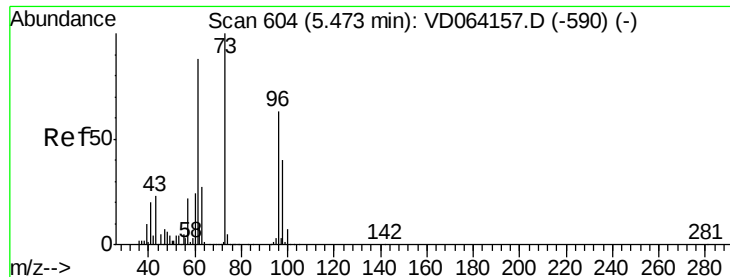


#20

Methylene Chloride
 Concen: 19.258 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion: 84 Resp: 102918
 Ion Ratio Lower Upper
 84 100
 49 129.1 102.1 153.1
 51 33.4 32.2 48.2
 86 62.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.940 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampled :

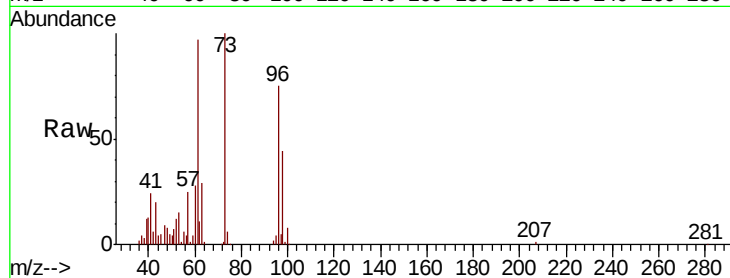
Tot Ion: 96 Resp: 103081

Ion Ratio Lower Upper

96 100

61 128.4 111.8 167.6

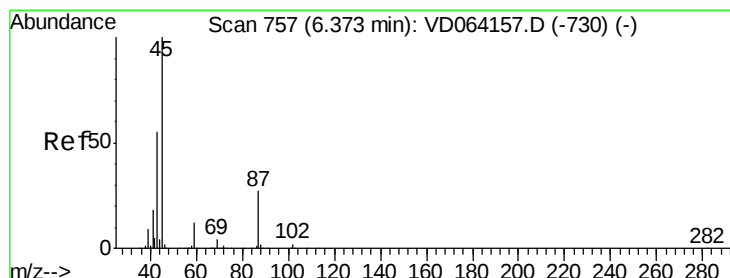
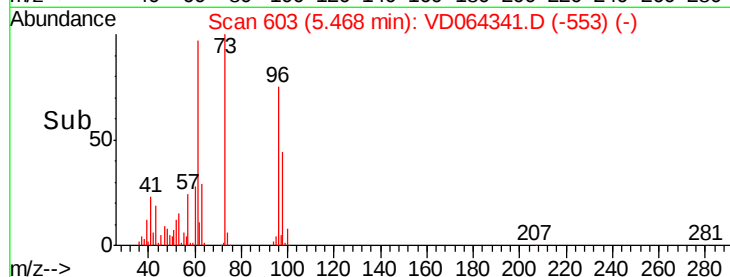
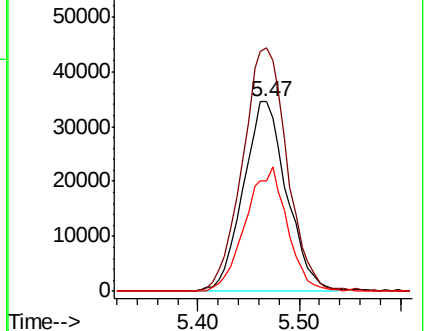
98 58.4 50.3 75.5



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: 18.584 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Tgt Ion: 45 Resp: 278174

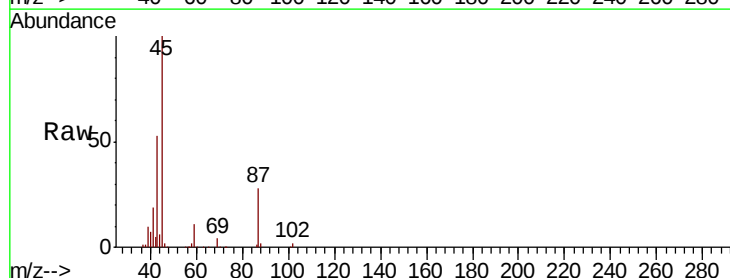
Ion Ratio Lower Upper

45 100

43 52.4 44.4 66.6

87 28.1 21.9 32.9

59 10.9 9.4 14.2

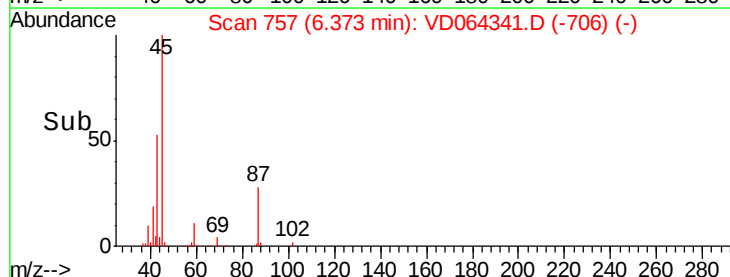
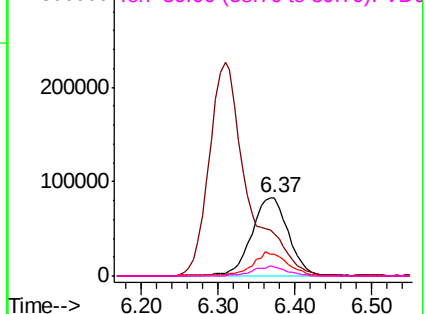


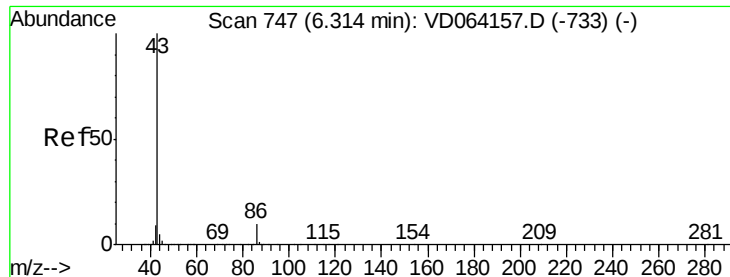
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 93.247 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

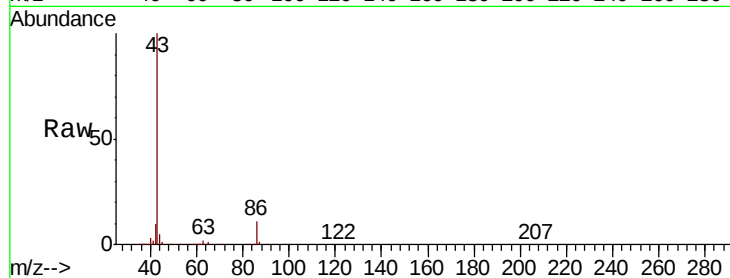
ClientSampled :

Tot Ion: 43 Resp: 778028

Ion Ratio Lower Upper

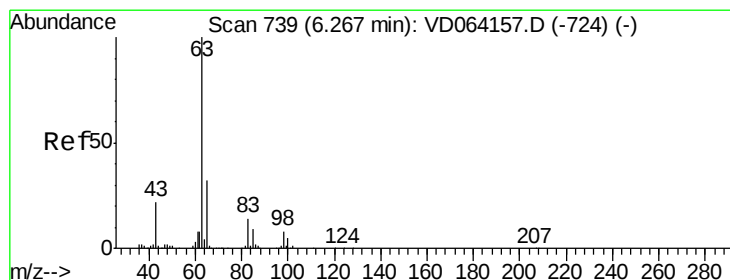
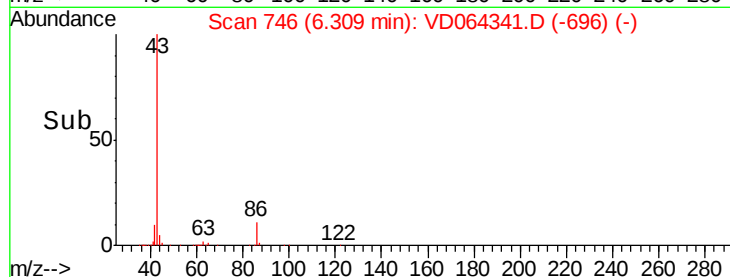
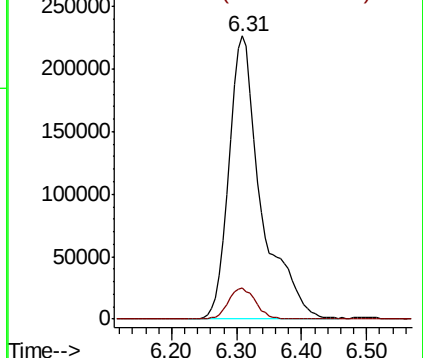
43 100

86 11.1 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.962 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

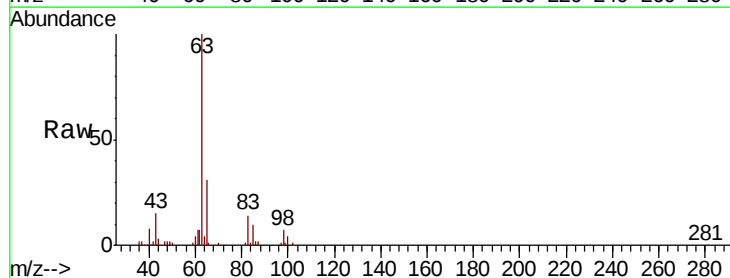
Tgt Ion: 63 Resp: 173493

Ion Ratio Lower Upper

63 100

98 6.6 3.8 11.4

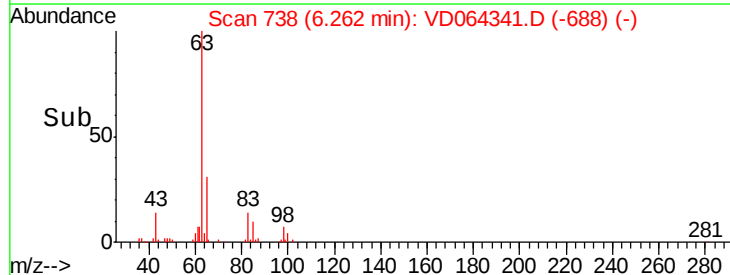
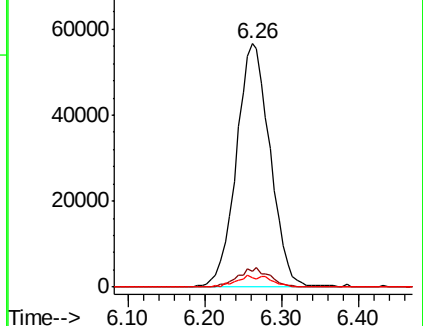
100 4.1 2.4 7.2

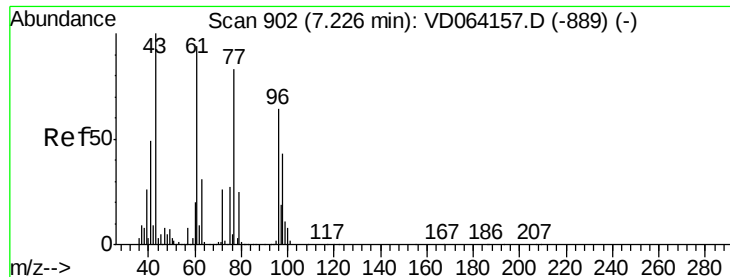


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 88.518 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

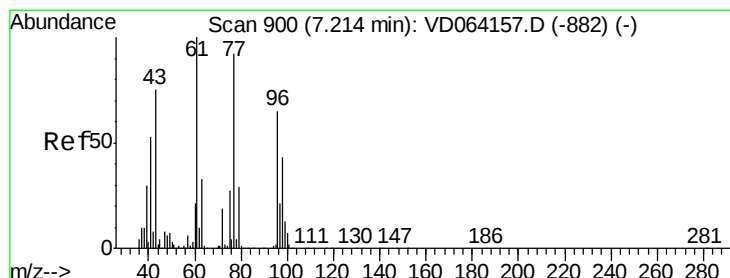
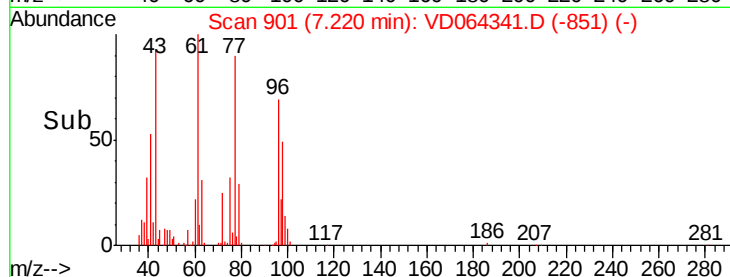
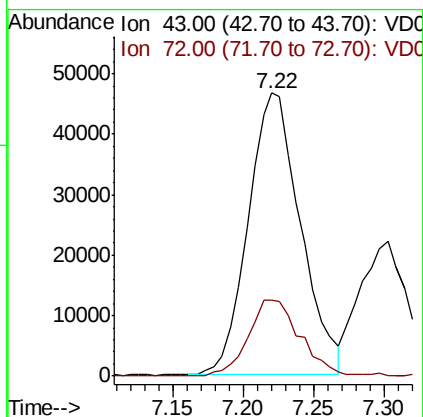
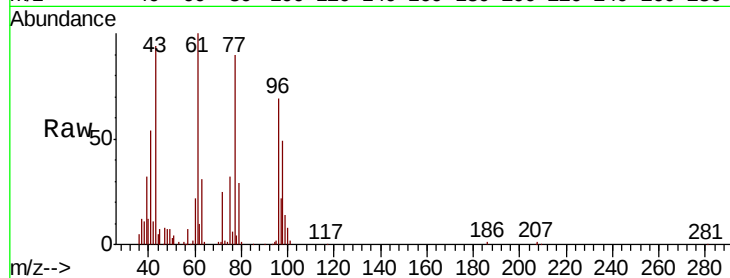
ClientSampleId :

Tot Ion: 43 Resp: 120990

Ion Ratio Lower Upper

43 100

72 26.4 20.6 30.8



#26

2,2-Dichloropropane

Concen: 18.927 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064341.D

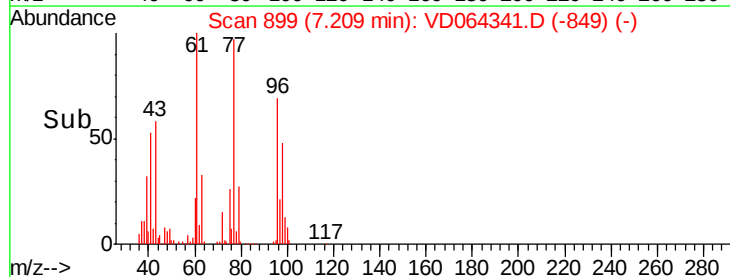
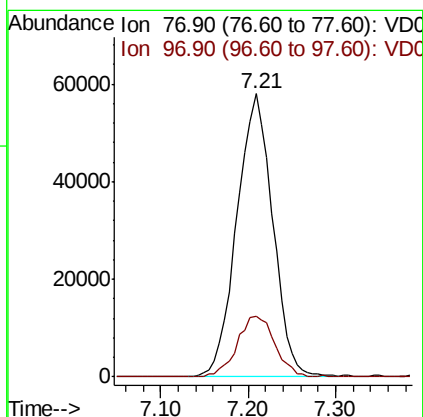
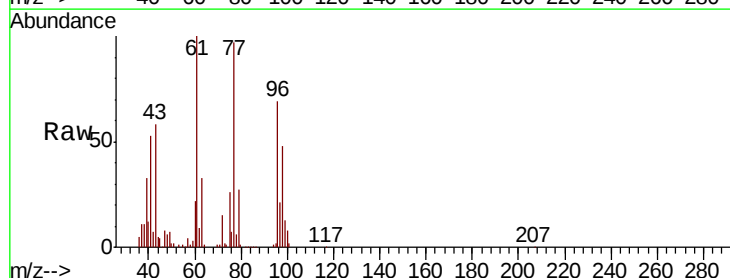
Acq: 22 Nov 2019 12:13

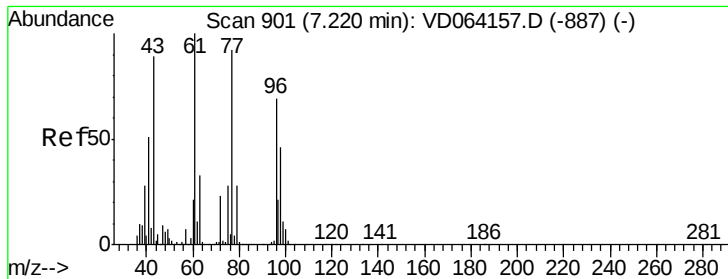
Tgt Ion: 77 Resp: 161320

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3



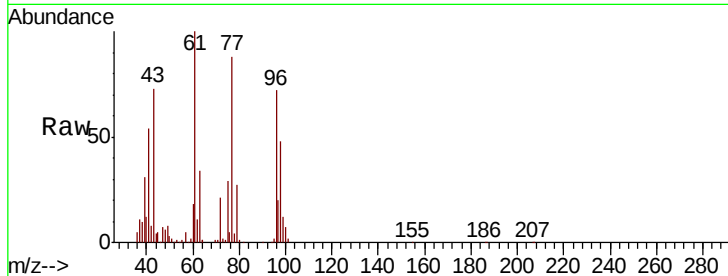


#27

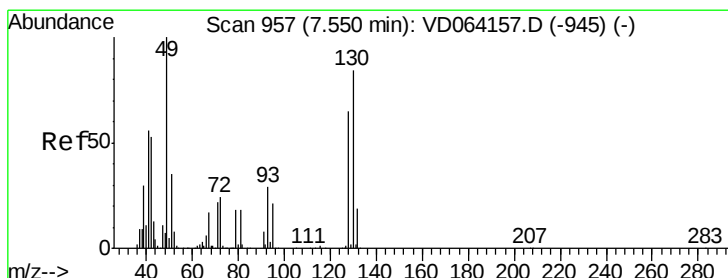
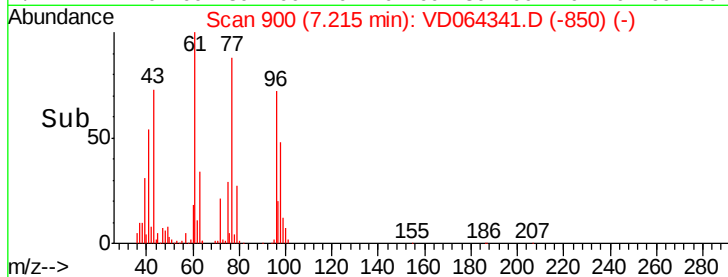
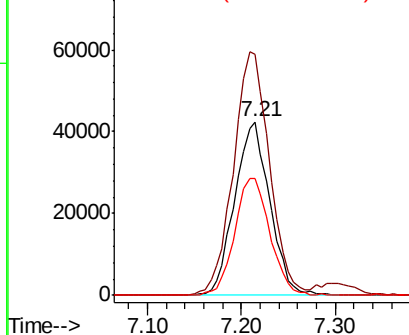
cis-1,2-Dichloroethene
Concen: 19.847 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	301.4
98	67.4	0.0	133.2



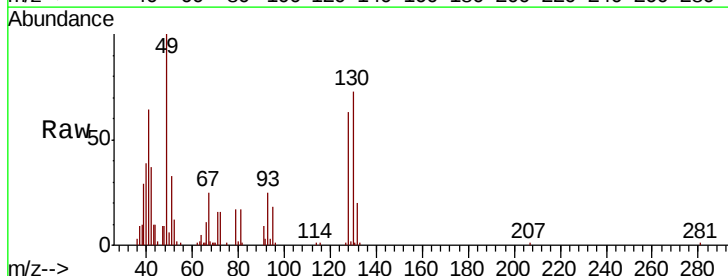
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



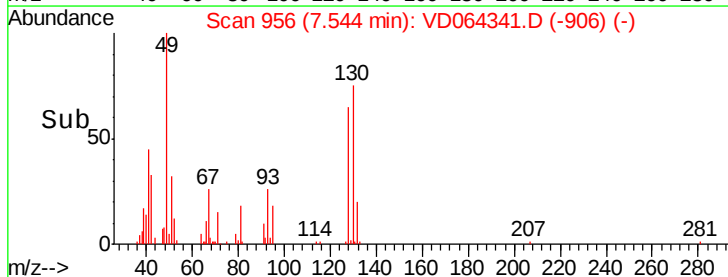
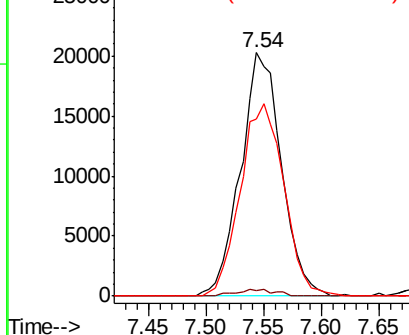
#28

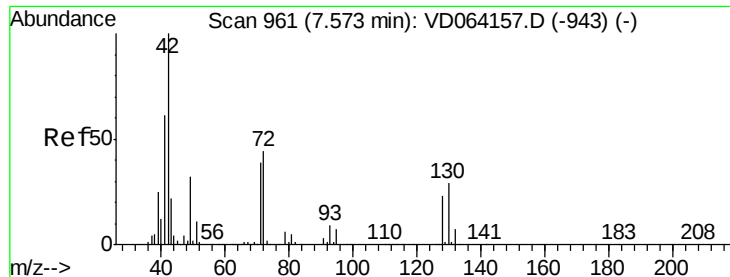
Bromochloromethane
Concen: 16.490 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	84.5	66.8	100.2



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

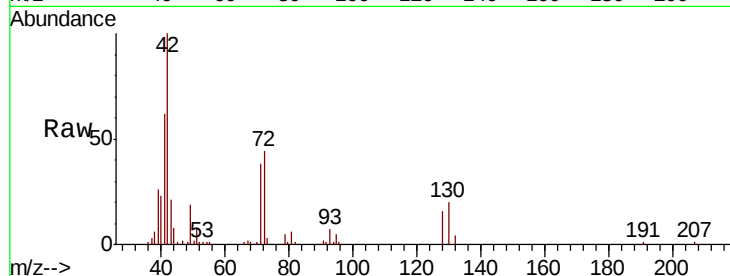




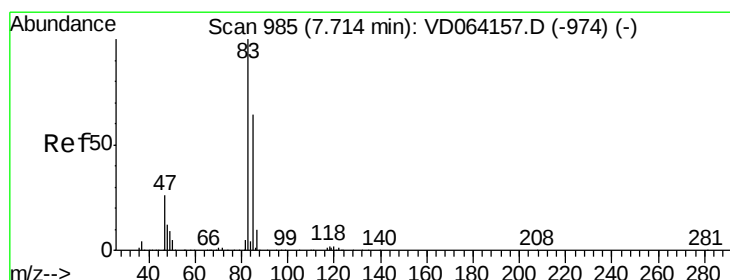
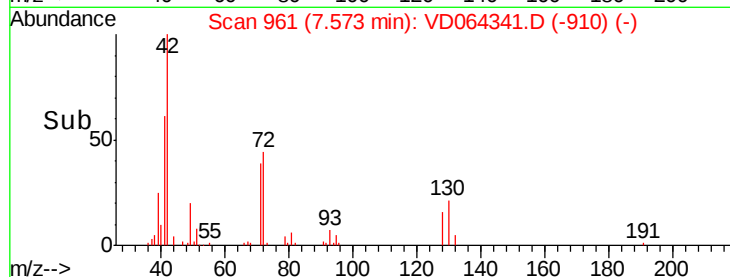
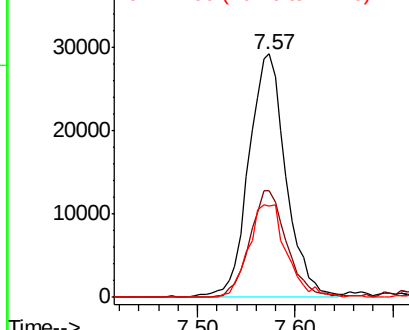
#29
Tetrahydrofuran
Concen: 94.657 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 77735
Ion Ratio Lower Upper
42 100
72 44.0 33.4 50.2
71 38.7 31.0 46.4

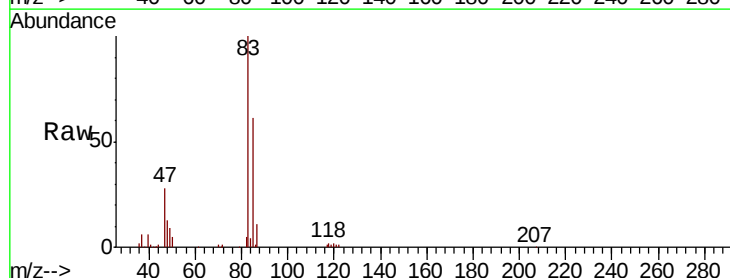


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

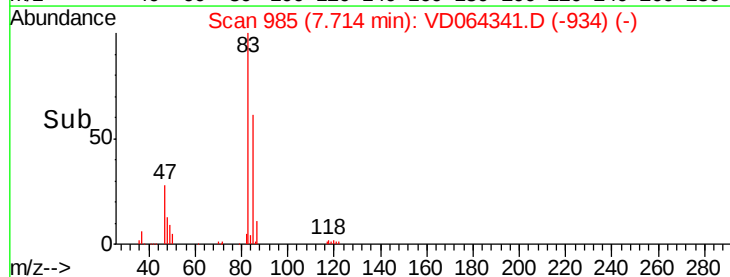
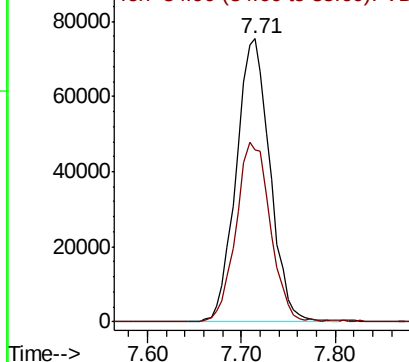


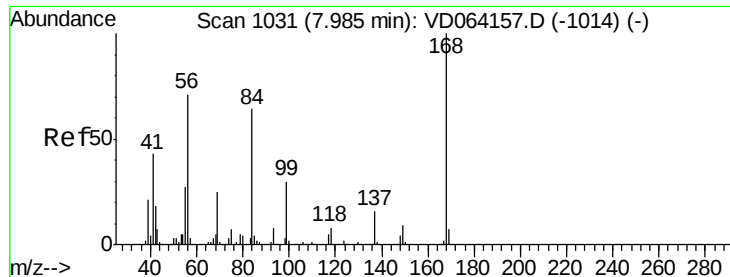
#30
Chloroform
Concen: 21.061 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion: 83 Resp: 187235
Ion Ratio Lower Upper
83 100
85 61.0 51.4 77.0



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

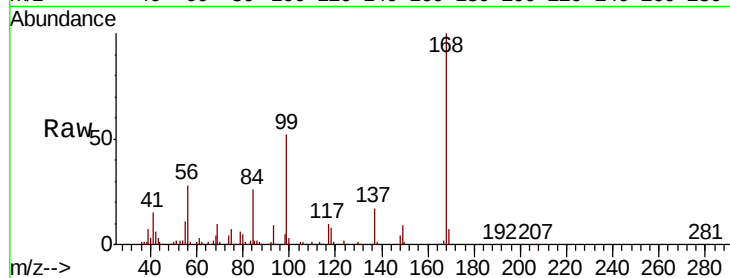




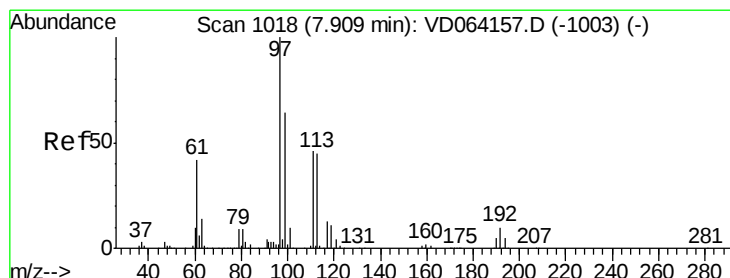
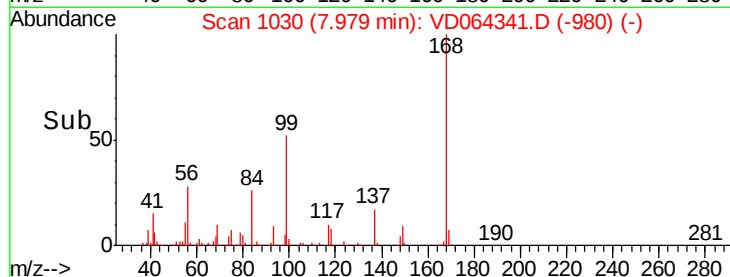
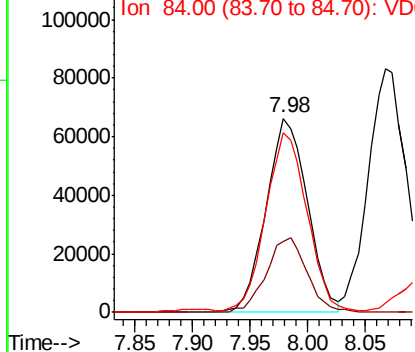
#31
Cyclohexane
Concen: 18.897 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 165635
Ion Ratio Lower Upper
56 100
69 36.3 28.2 42.4
84 91.2 71.8 107.6

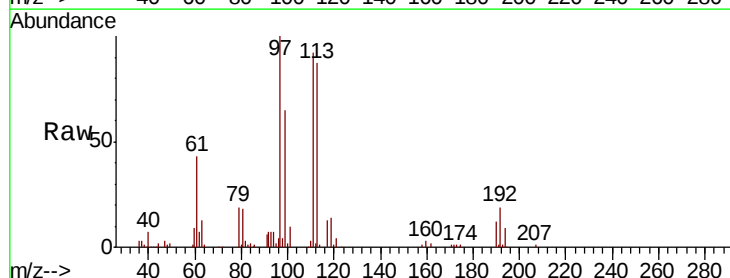


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

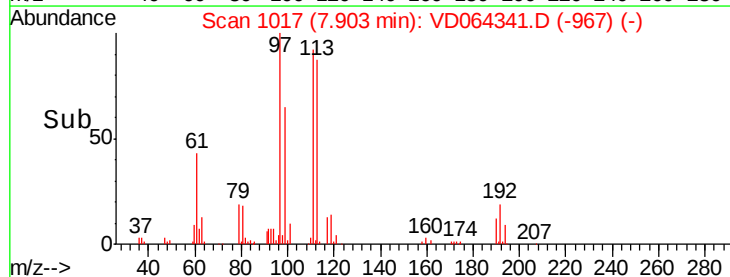
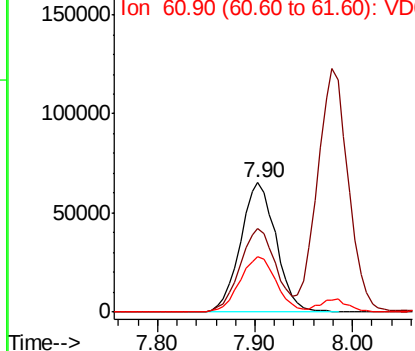


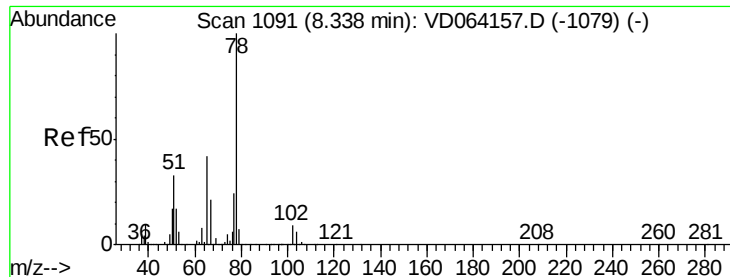
#32
1,1,1-Trichloroethane
Concen: 19.481 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion: 97 Resp: 165829
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 43.5 34.2 51.2



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

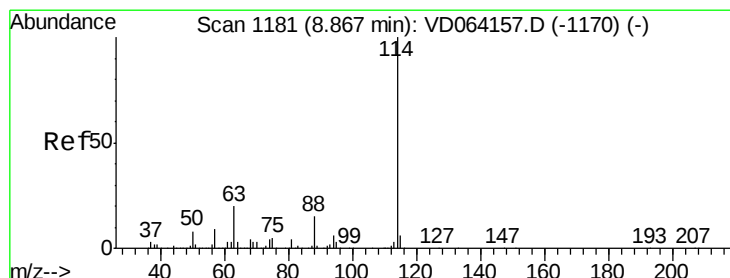
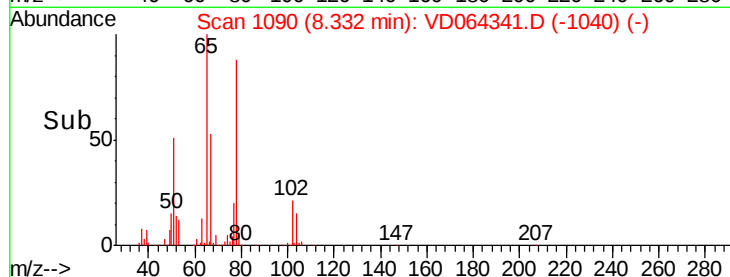
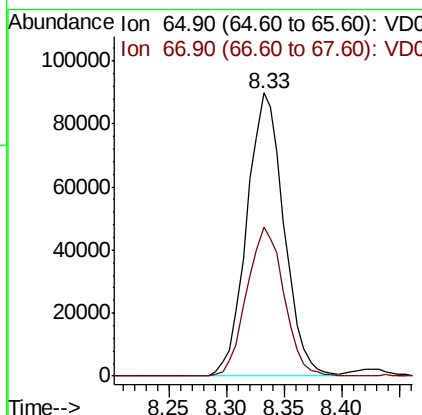
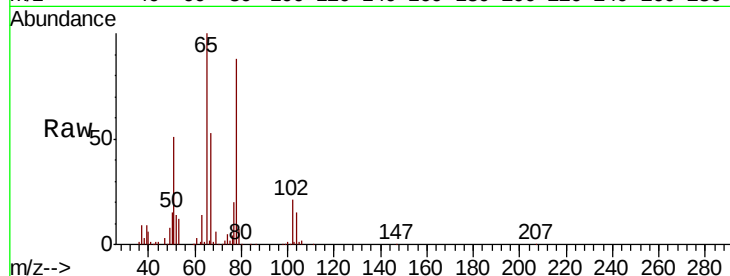




#33
 1,2-Dichloroethane-d4
 Concen: 45.094 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

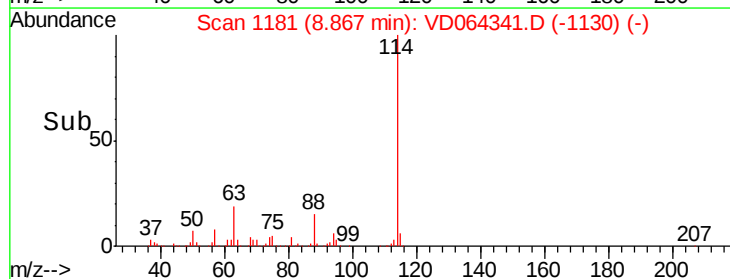
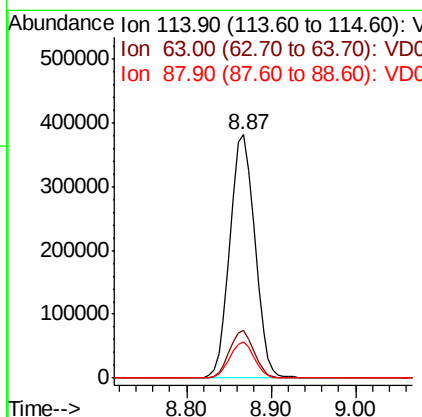
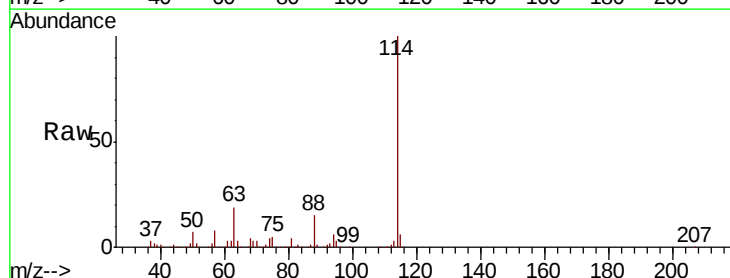
Instrument :
 MSVOA_D
 ClientSampled :

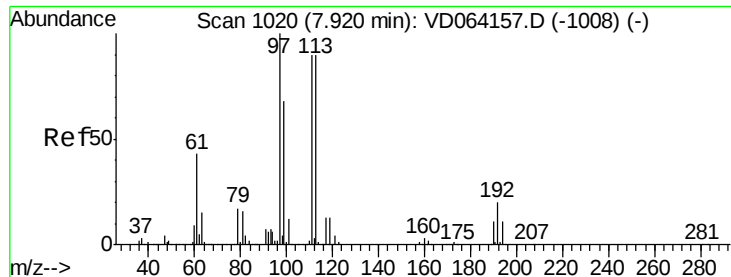
Tot Ion: 65 Resp: 201383
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion: 114 Resp: 779603
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 14.6 0.0 30.2

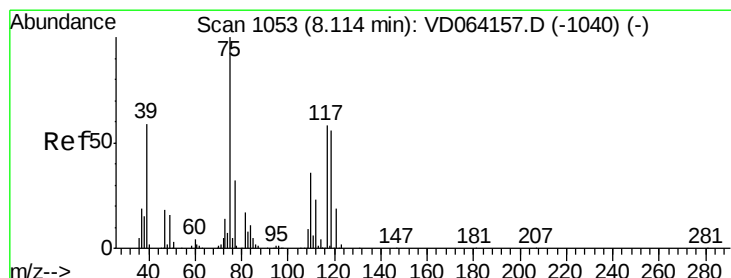
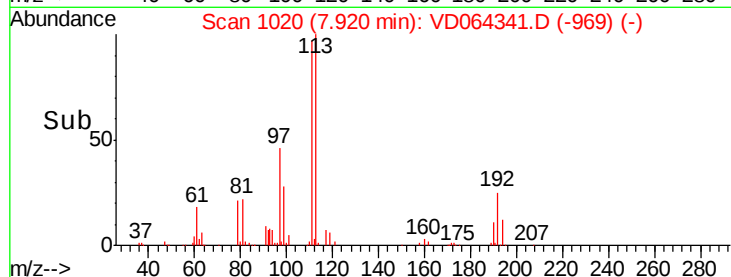
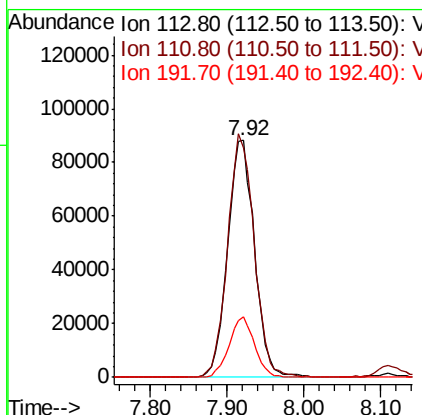
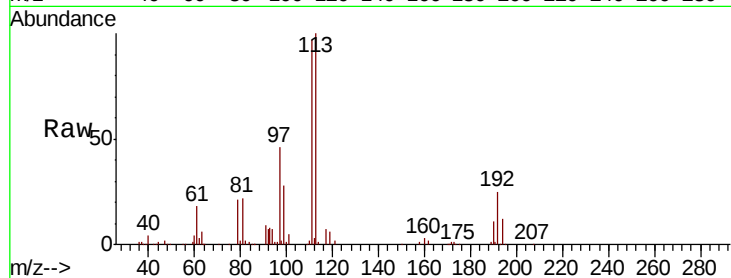




#35
 Dibromofluoromethane
 Concen: 48.271 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

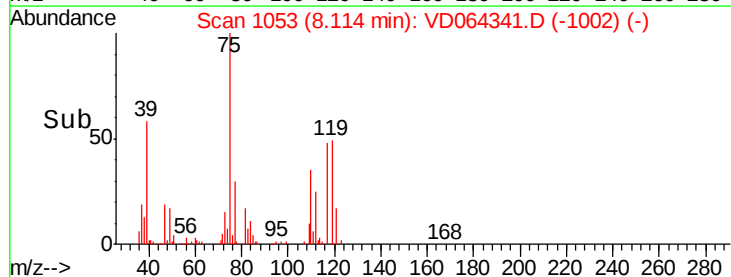
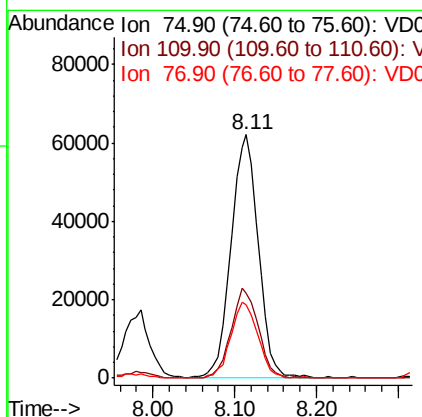
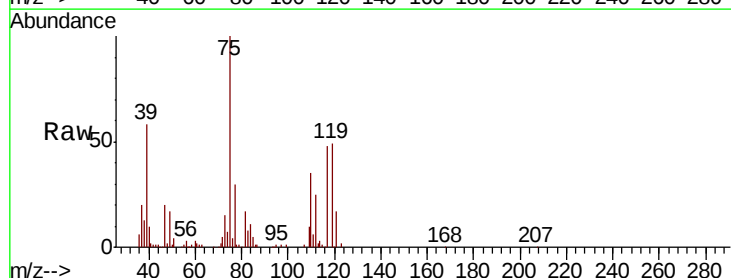
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.5	122.3
192	24.2	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 20.100 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.3	54.9
77	31.1	25.0	37.6

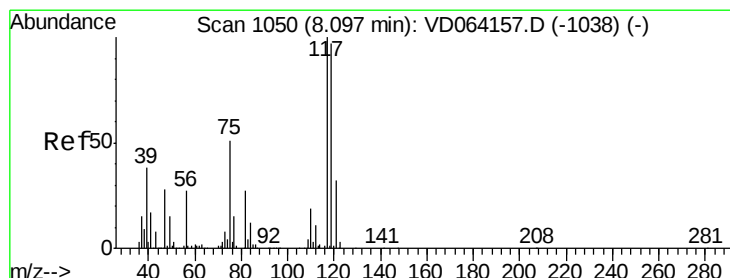
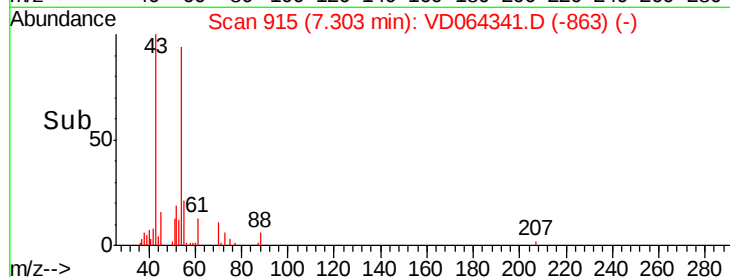
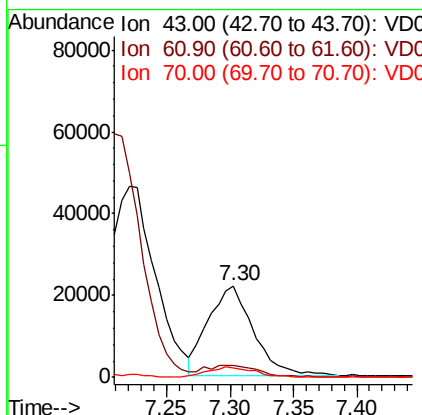
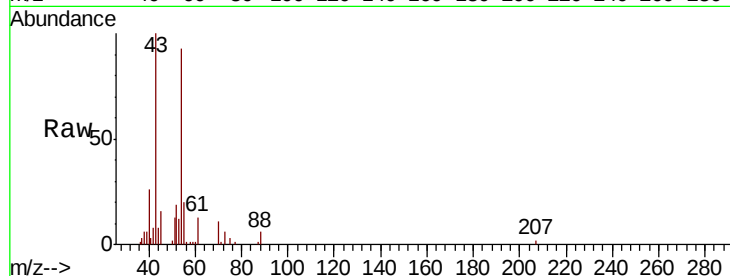




#37
Ethyl Acetate
Concen: 18.145 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

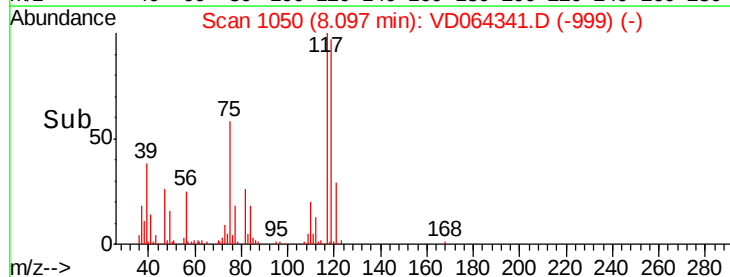
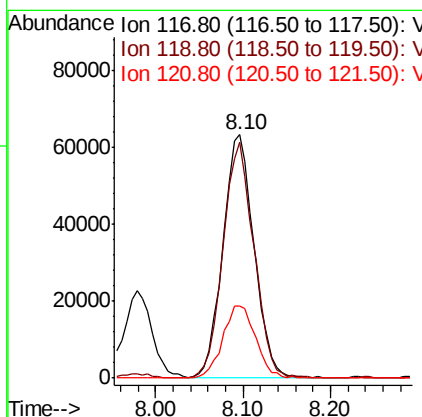
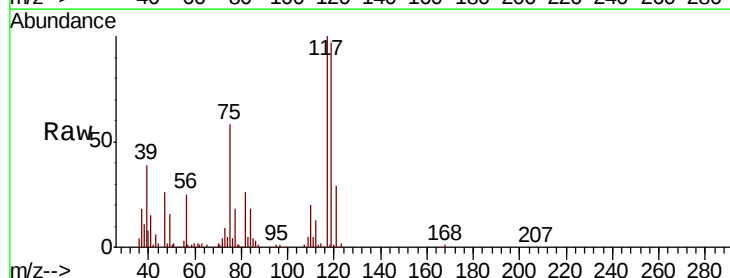
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 55040
Ion Ratio Lower Upper
43 100
61 16.3 10.2 15.2#
70 11.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 20.059 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion: 117 Resp: 154434
Ion Ratio Lower Upper
117 100
119 96.7 77.2 115.8
121 29.4 25.5 38.3

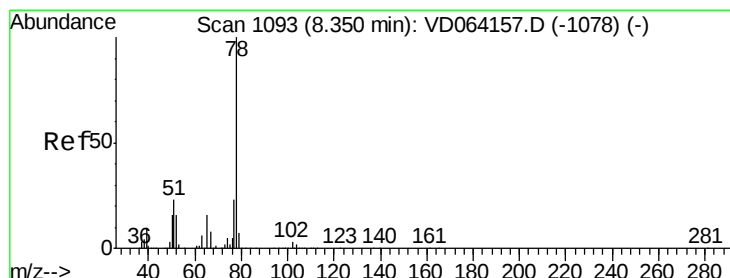
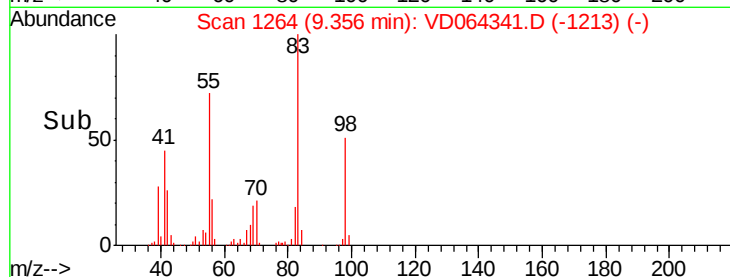
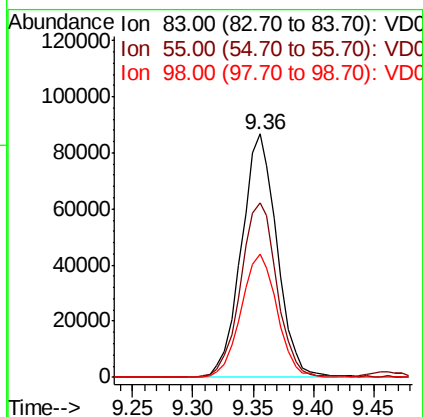
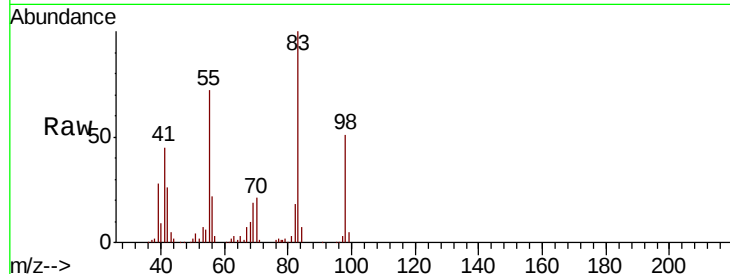




#39
Methylvlcvclohexane
Concen: 19.516 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

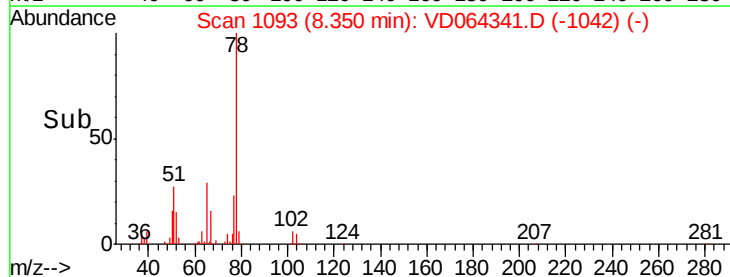
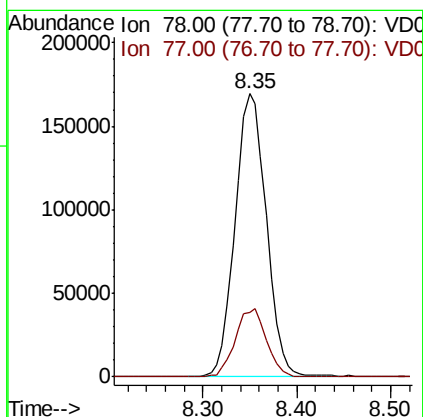
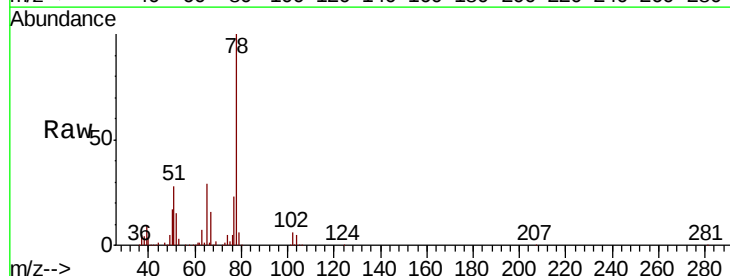
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 177679
Ion Ratio Lower Upper
83 100
55 71.7 61.7 92.5
98 50.9 38.6 58.0



#40
Benzene
Concen: 19.923 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion: 78 Resp: 391777
Ion Ratio Lower Upper
78 100
77 22.7 18.6 28.0





#41

Methacrylonitrile

Concen: 15.240 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 29055

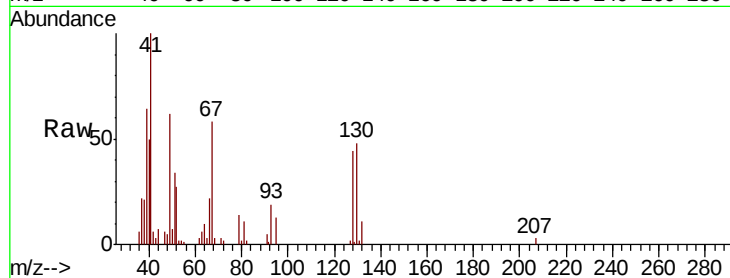
Ion Ratio Lower Upper

41 100

39 75.1 49.4 74.2#

67 78.3 49.6 74.4#

52 35.9 21.4 32.0#

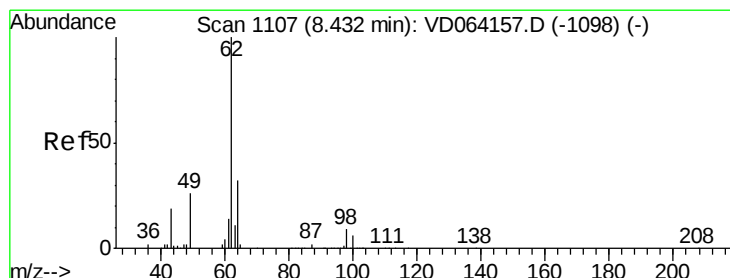
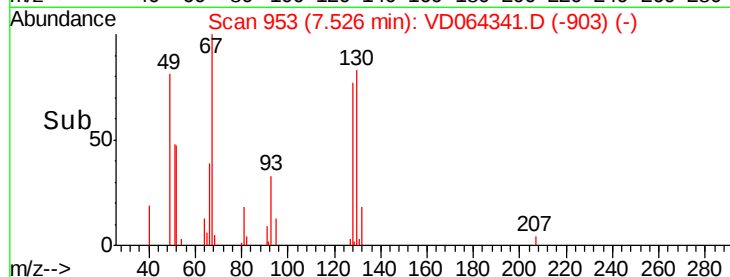
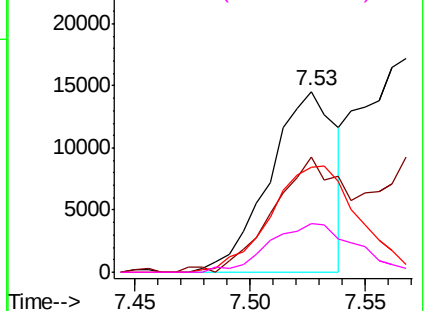


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 19.172 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064341.D

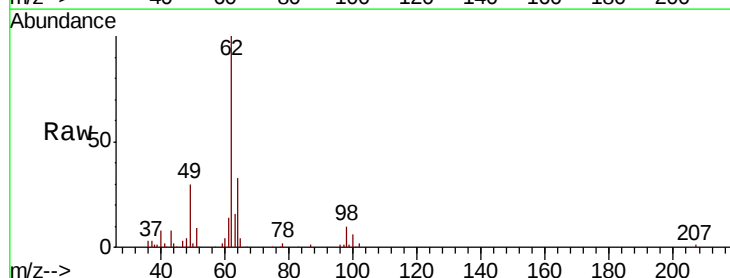
Acq: 22 Nov 2019 12:13

Tgt Ion: 62 Resp: 113232

Ion Ratio Lower Upper

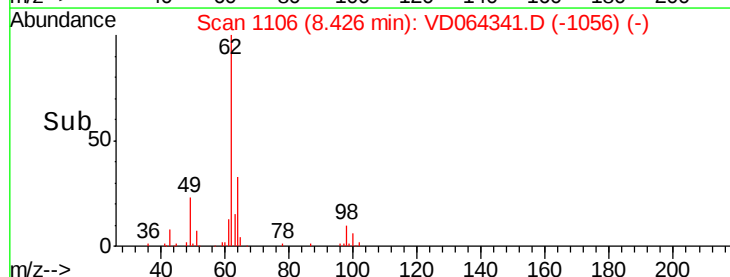
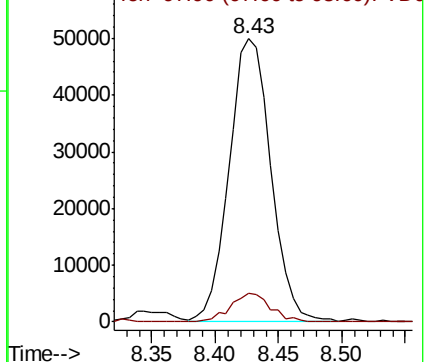
62 100

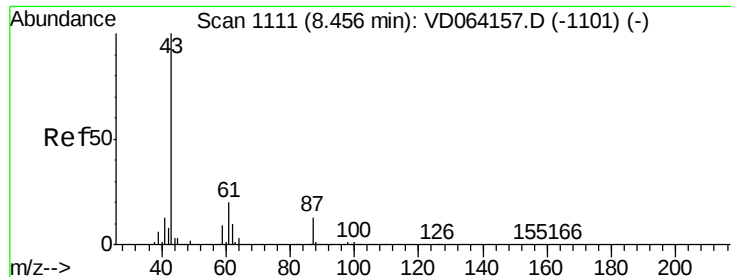
98 9.7 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.758 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

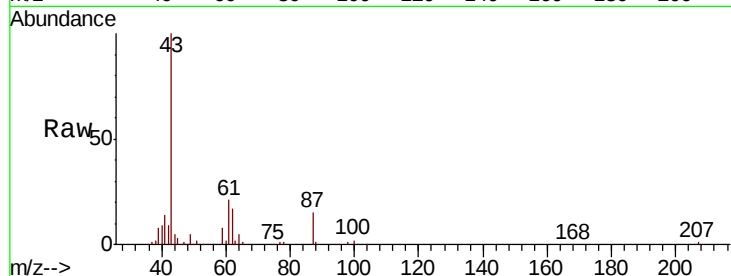
Tot Ion: 43 Resp: 110982

Ion Ratio Lower Upper

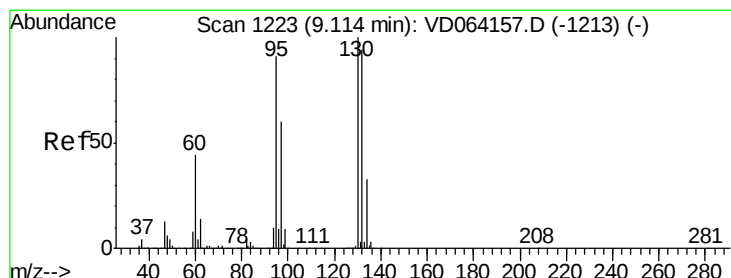
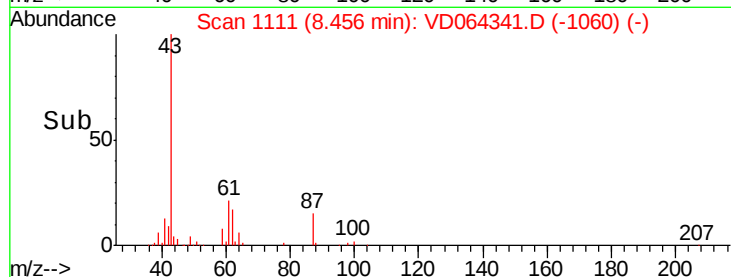
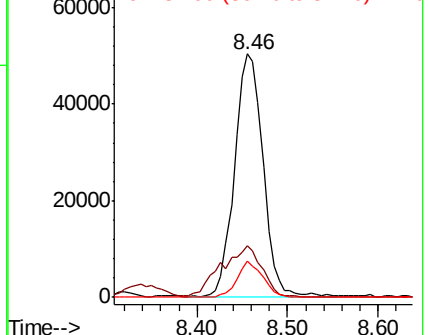
43 100

61 30.2 22.9 34.3

87 13.2 10.2 15.2



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: 19.947 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064341.D

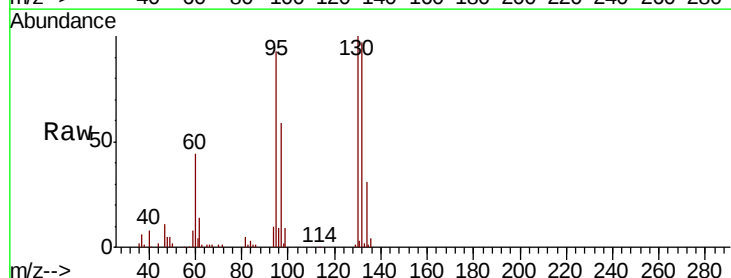
Acq: 22 Nov 2019 12:13

Tgt Ion:130 Resp: 117723

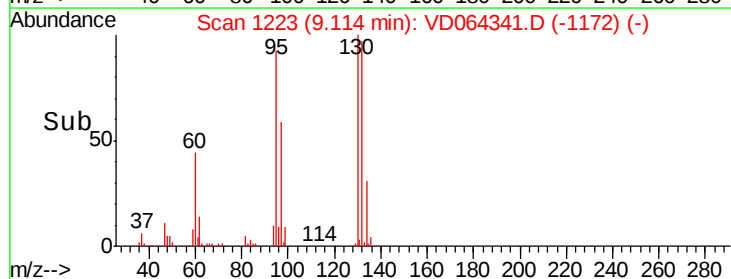
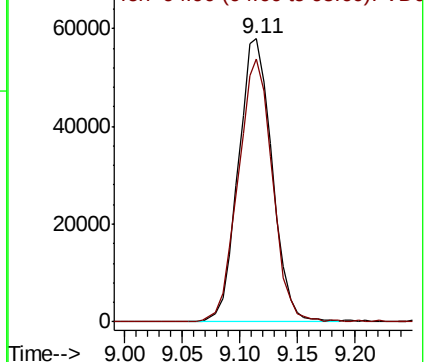
Ion Ratio Lower Upper

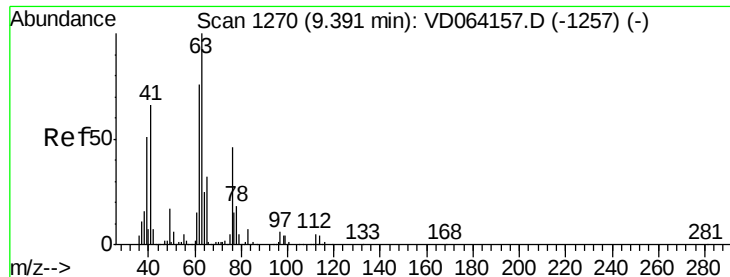
130 100

95 92.7 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 19.216 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

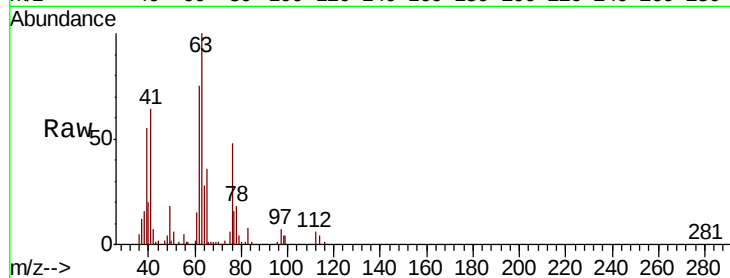
ClientSampleId :

Tot Ion: 63 Resp: 91972

Ion Ratio Lower Upper

63 100

65 35.7 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

40000

30000

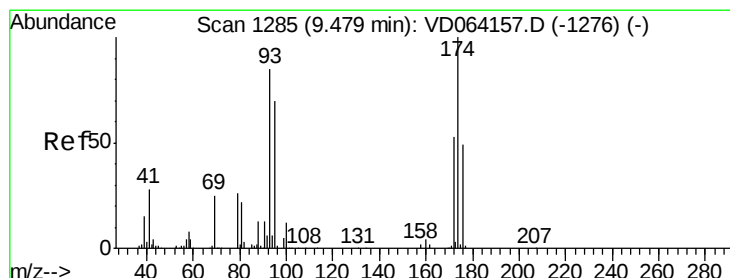
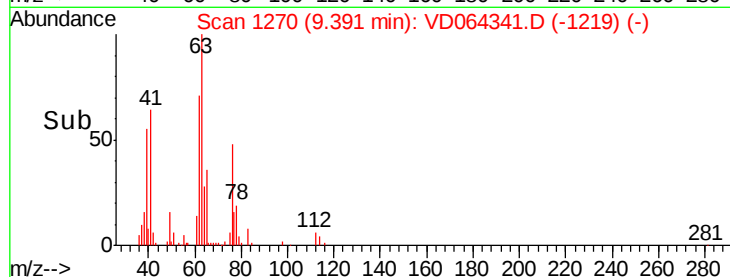
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 19.831 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

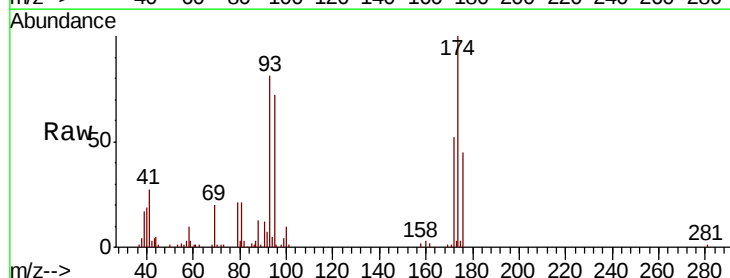
Tgt Ion: 93 Resp: 50815

Ion Ratio Lower Upper

93 100

95 84.1 65.5 98.3

174 120.9 93.9 140.9



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

40000

30000

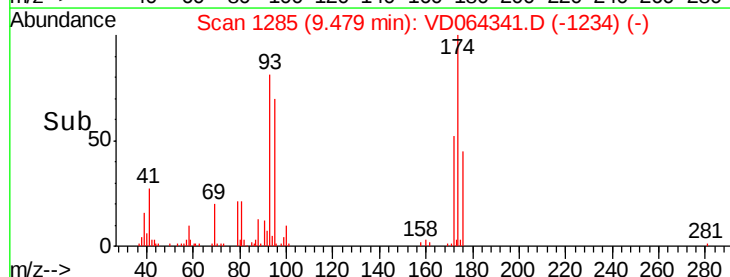
20000

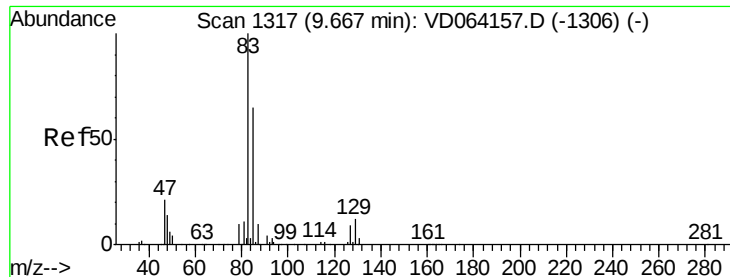
10000

0

9.40 9.45 9.50 9.55 9.60

Time-->





#47

Bromodichloromethane

Concen: 19.301 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

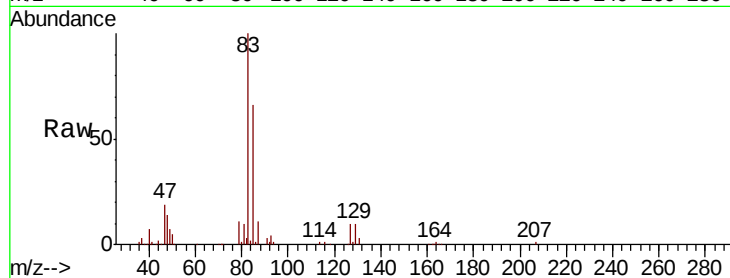
Tot Ion: 83 Resp: 133218

Ion Ratio Lower Upper

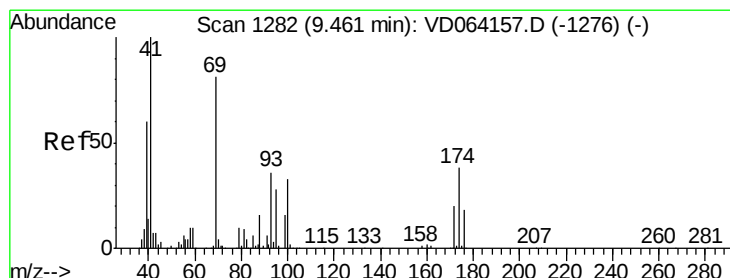
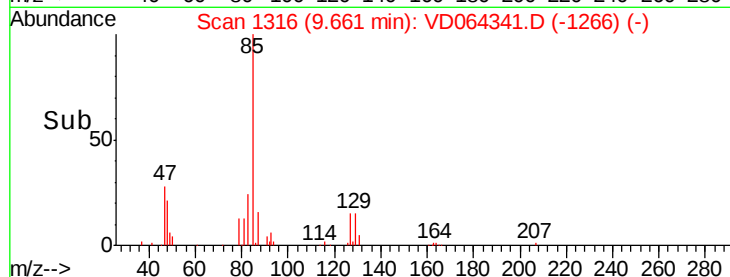
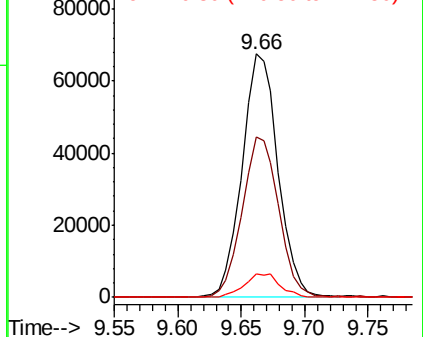
83 100

85 65.9 52.2 78.4

127 9.8 7.5 11.3



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



#48

Methyl methacrylate

Concen: 17.066 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

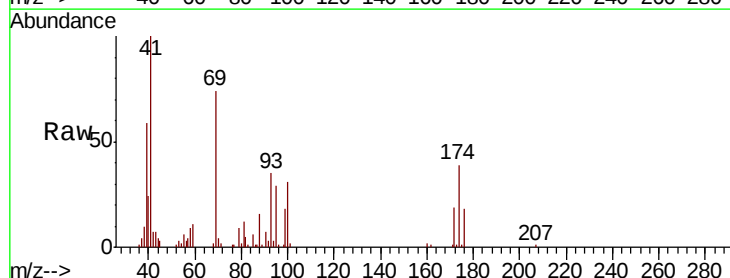
Tgt Ion: 41 Resp: 52153

Ion Ratio Lower Upper

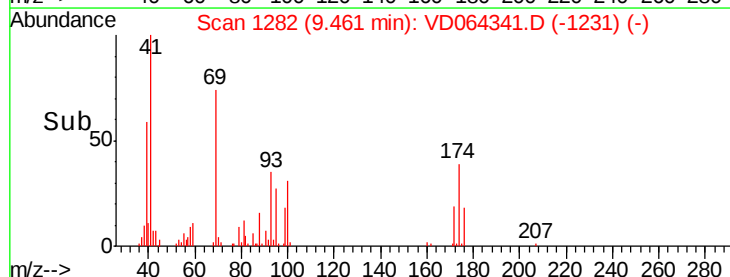
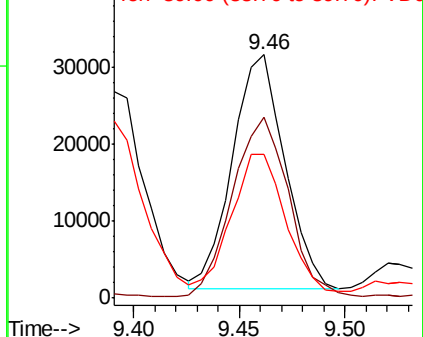
41 100

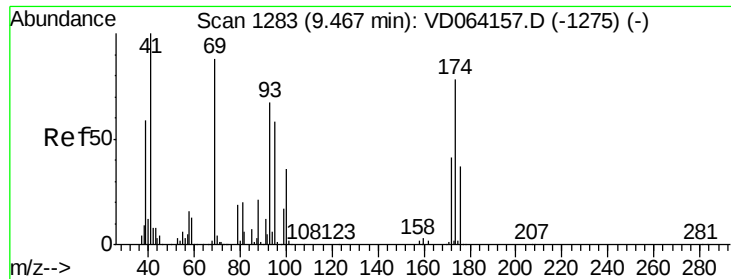
69 82.6 64.6 97.0

39 60.7 48.2 72.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

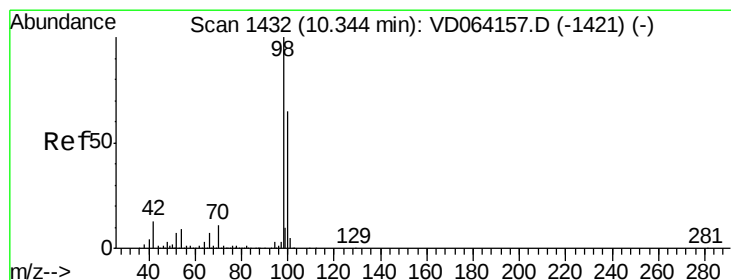
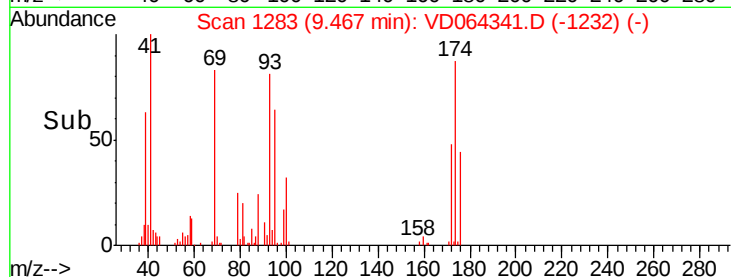
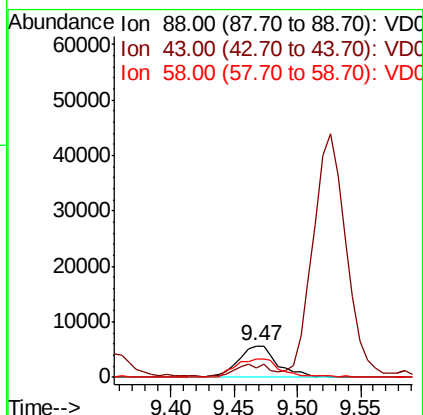
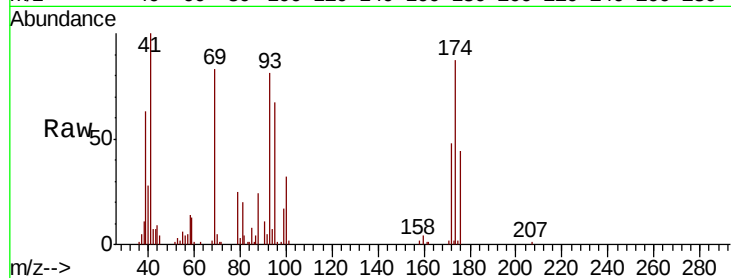




#49
1,4-Dioxane
Concen: 395.664 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

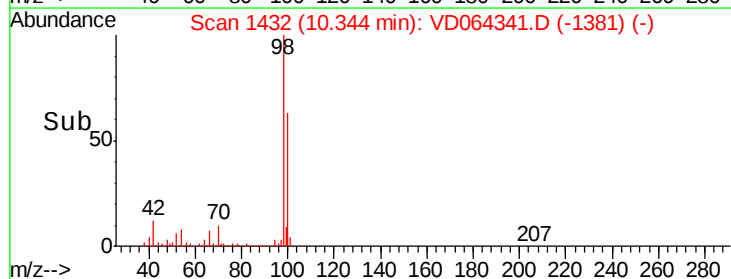
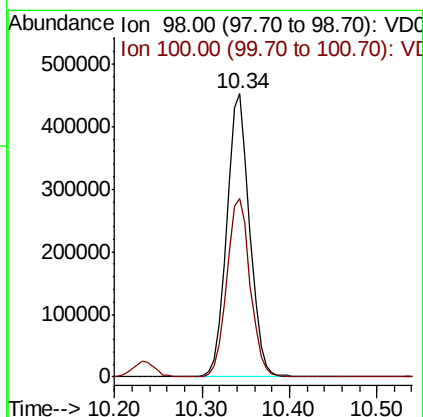
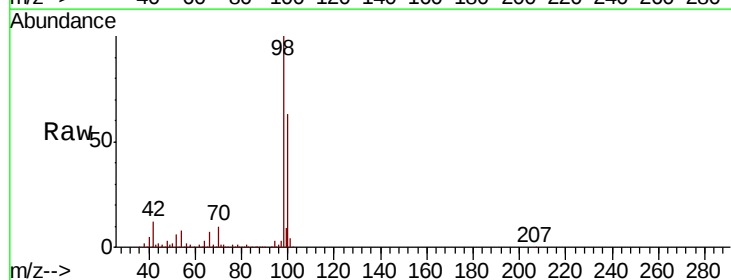
Instrument :
MSVOA_D
ClientSampleId :

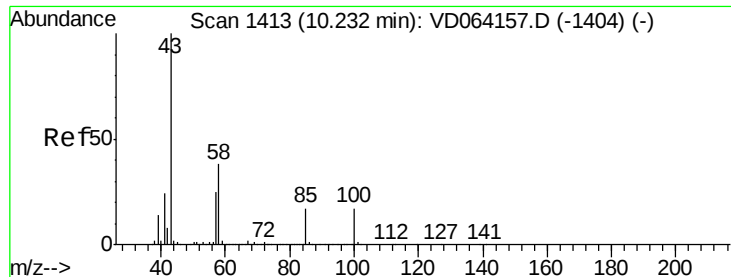
Tot Ion: 88 Resp: 12176
Ion Ratio Lower Upper
88 100
43 37.1 29.8 44.8
58 67.4 58.1 87.1



#50
Toluene-d8
Concen: 47.812 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion: 98 Resp: 807158
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 90.681 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

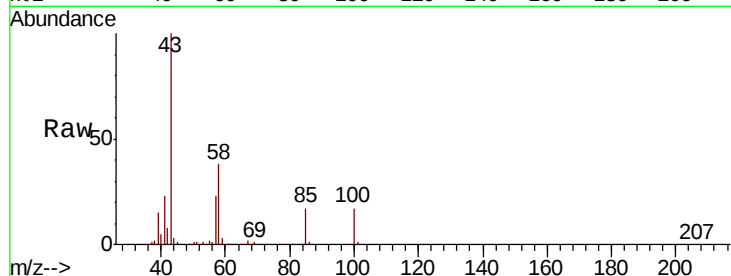
ClientSampleId :

Tot Ion: 43 Resp: 271774

Ion Ratio Lower Upper

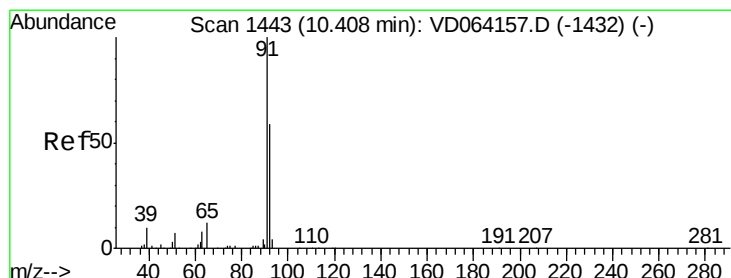
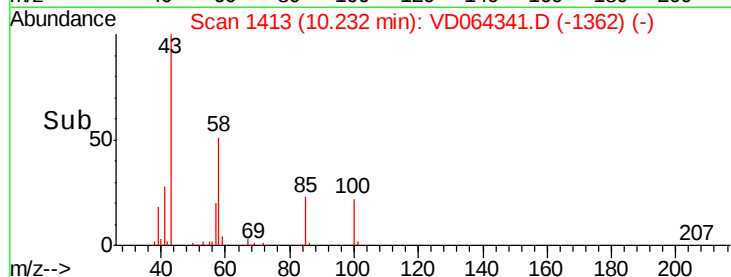
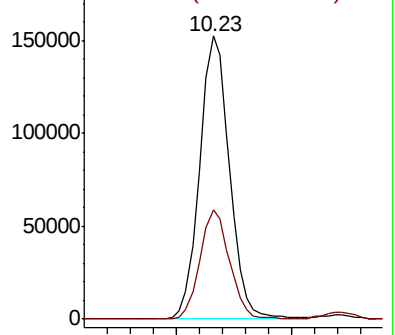
43 100

58 38.5 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.772 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064341.D

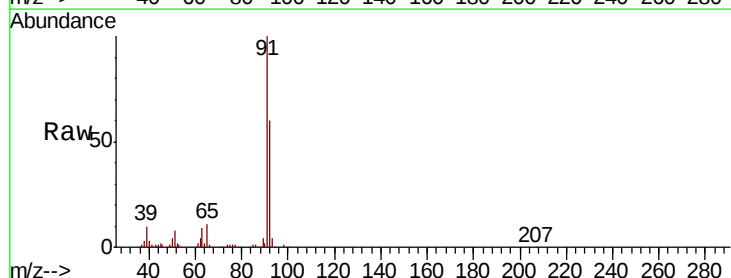
Acq: 22 Nov 2019 12:13

Tgt Ion: 92 Resp: 255661

Ion Ratio Lower Upper

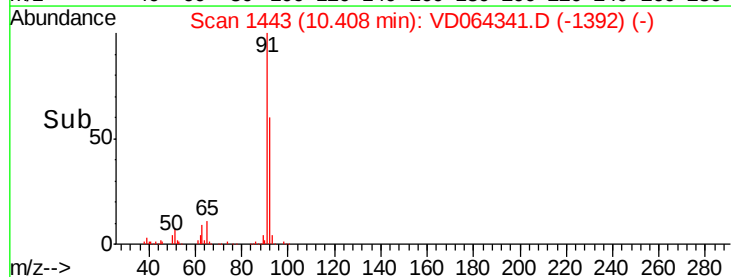
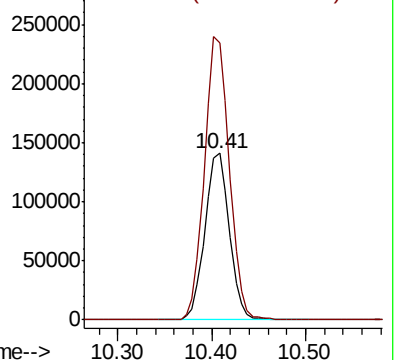
92 100

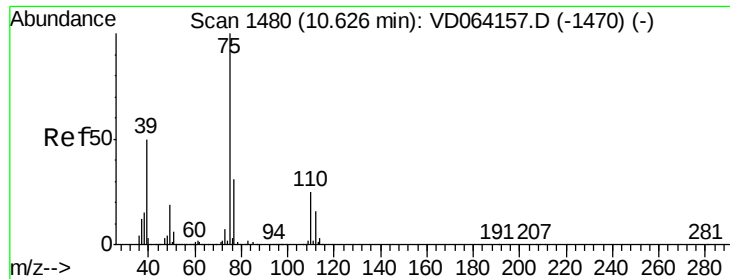
91 172.5 136.4 204.6



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: 18.100 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

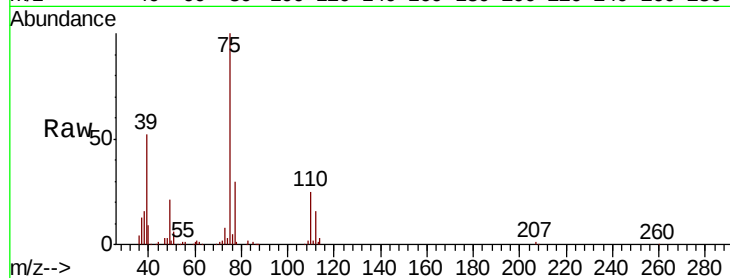
ClientSampleId :

Tot Ion: 75 Resp: 125155

Ion Ratio Lower Upper

75 100

77 30.0 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

80000

60000

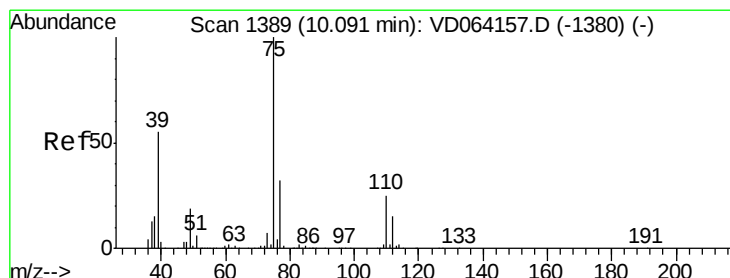
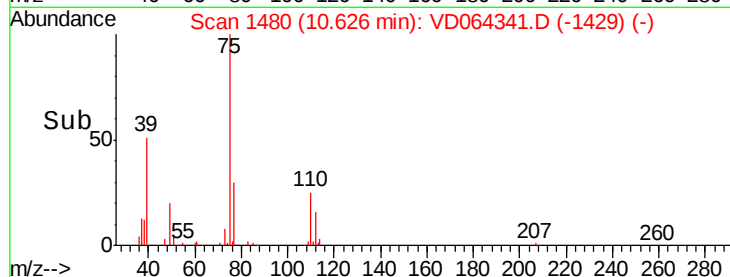
40000

20000

0

10.55 10.60 10.65 10.70

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.828 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

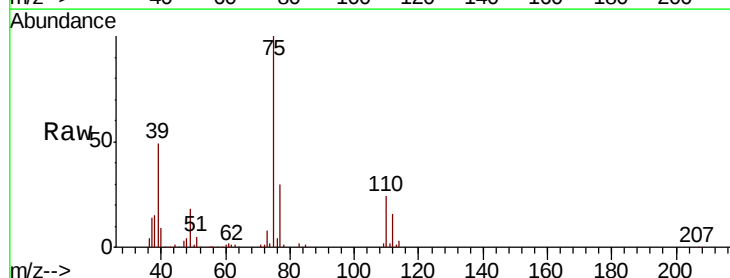
Tgt Ion: 75 Resp: 151919

Ion Ratio Lower Upper

75 100

77 30.3 25.2 37.8

39 49.0 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

100000

80000

60000

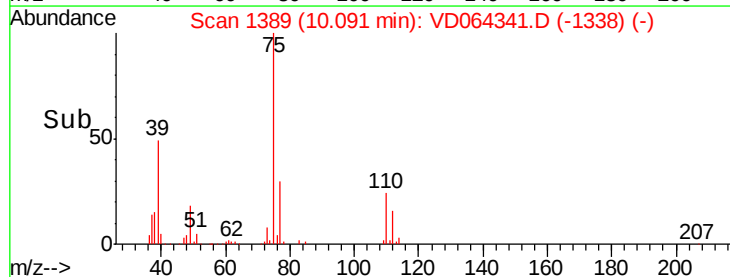
40000

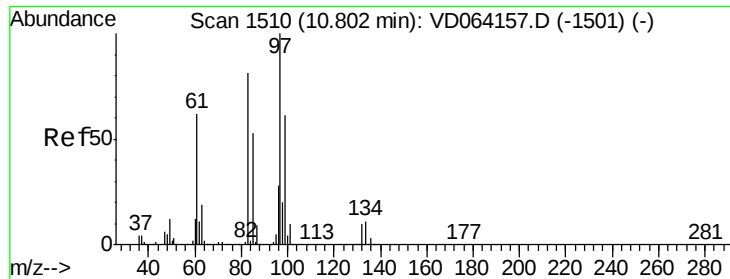
20000

0

10.00 10.10 10.20

Time-->

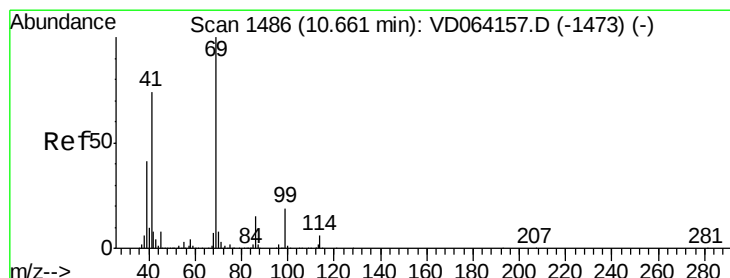
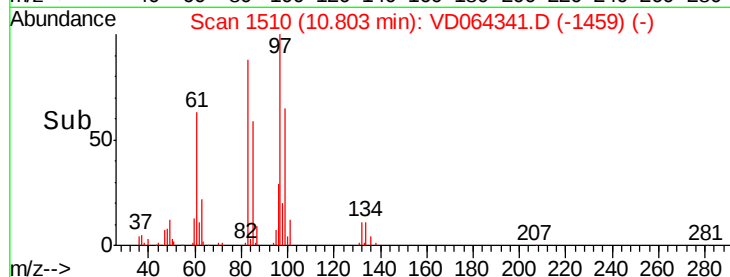
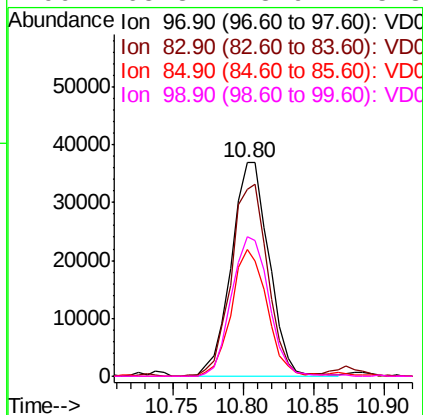
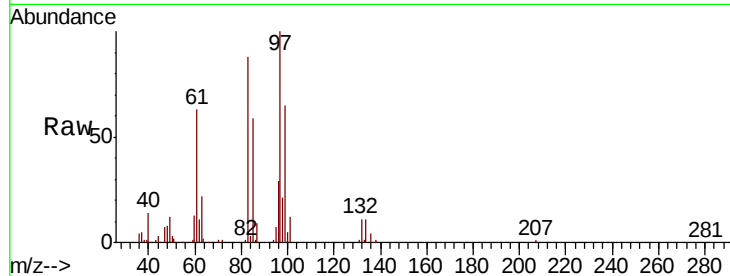




#55
 1,1,2-Trichloroethane
 Concen: 19.817 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

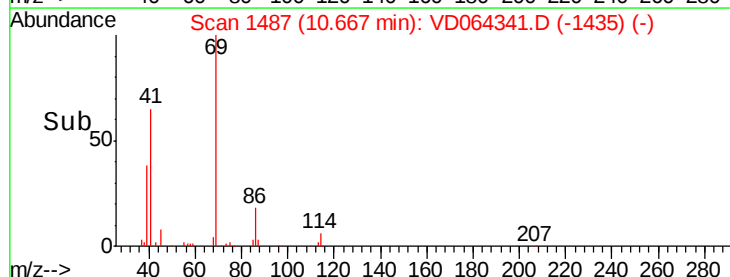
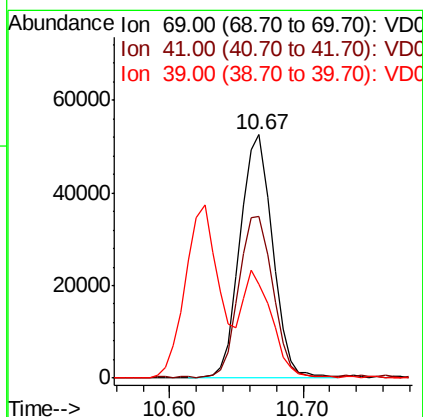
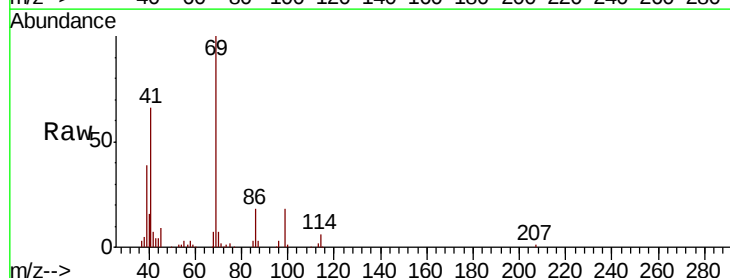
Instrument :
 MSVOA_D
 ClientSampleId :

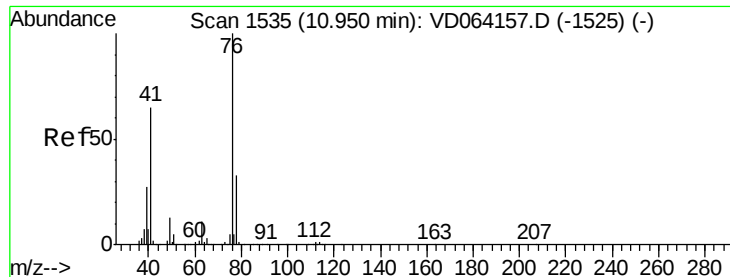
Tot Ion:	97	Resp:	68884
Ion	Ratio	Lower	Upper
97	100		
83	87.1	65.1	97.7
85	59.3	42.0	63.0
99	65.3	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 18.310 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion:	69	Resp:	89033
Ion	Ratio	Lower	Upper
69	100		
41	69.0	57.9	86.9
39	37.9	29.0	43.4

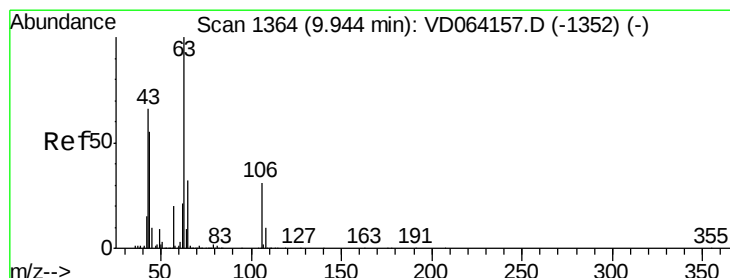
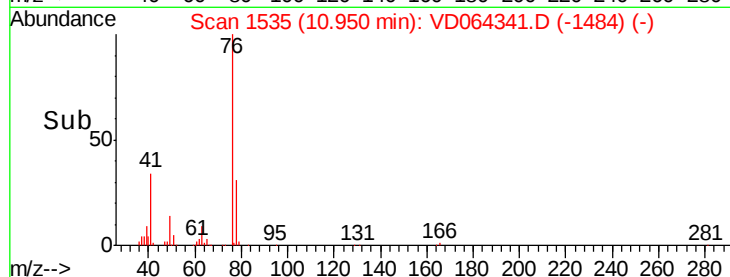
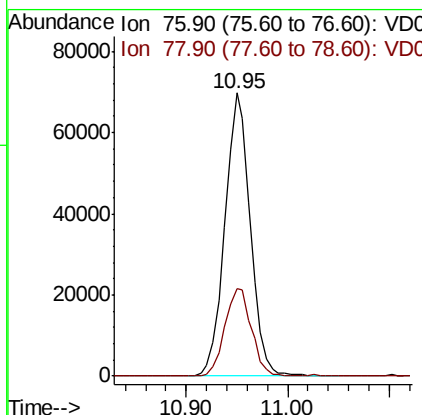
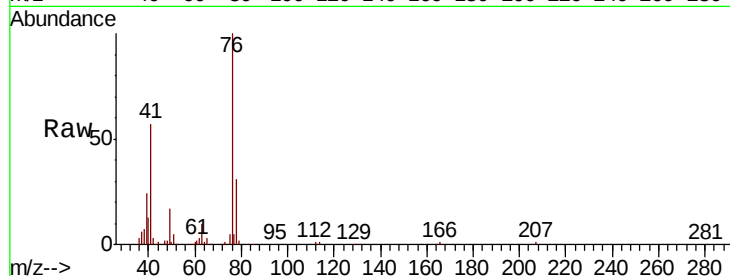




#57
 1,3-Dichloropropane
 Concen: 19.920 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

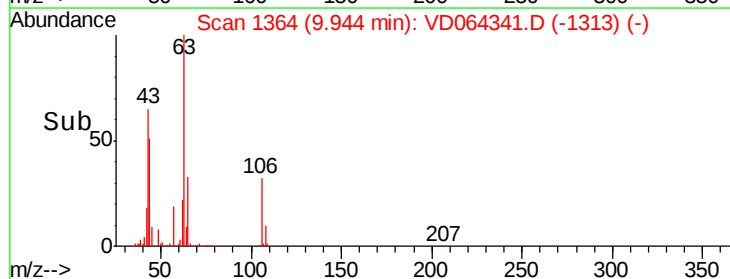
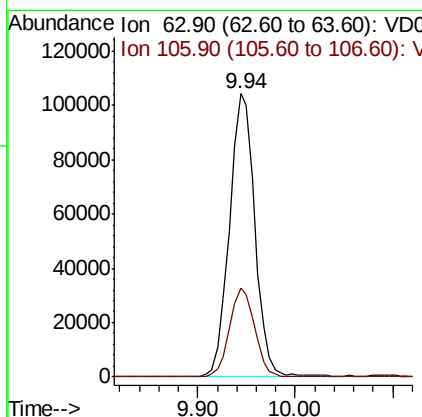
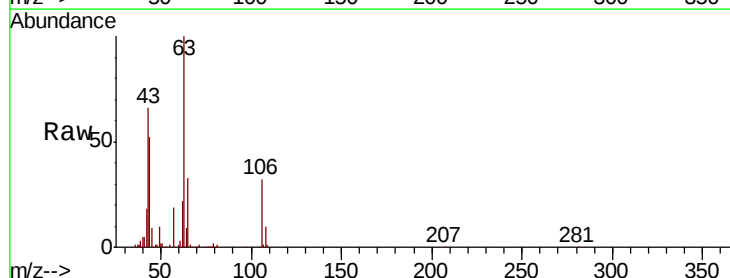
Instrument :
 MSVOA_D
 ClientSampleId :

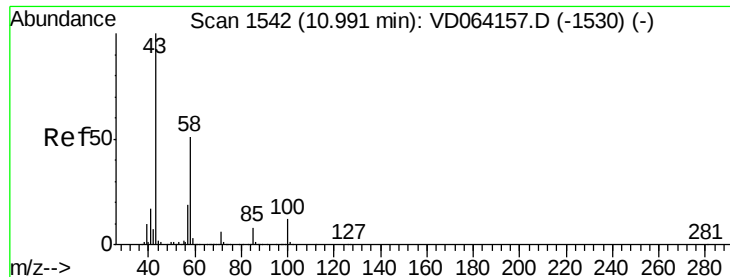
Tot Ion: 76 Resp: 120758
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.483 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion: 63 Resp: 188069
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.1 36.1

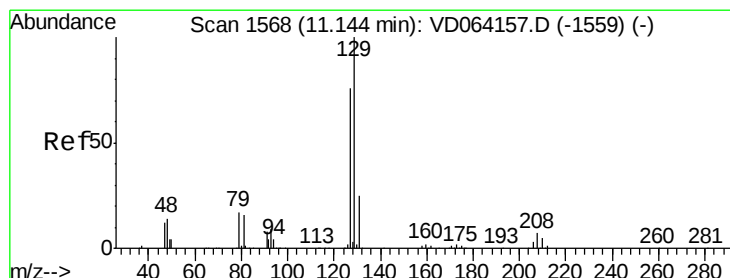
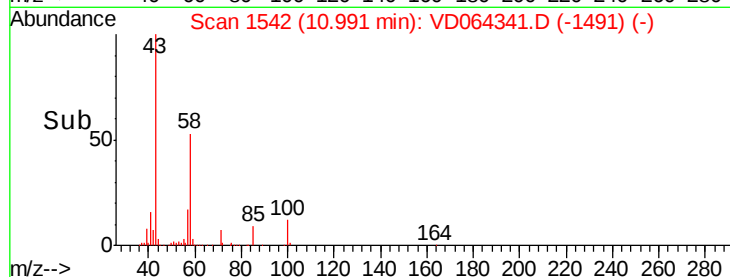
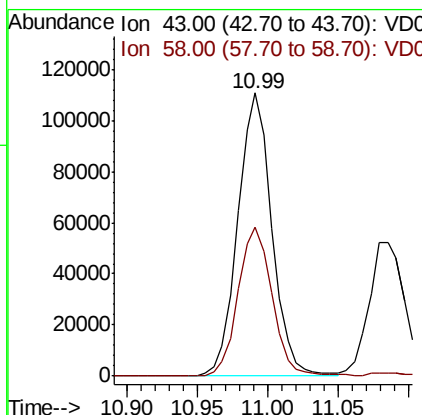
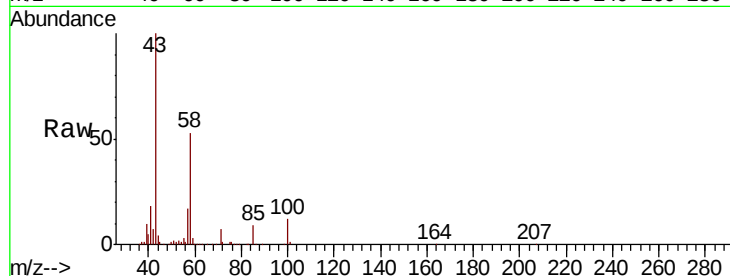




#59
2-Hexanone
Concen: 87.627 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

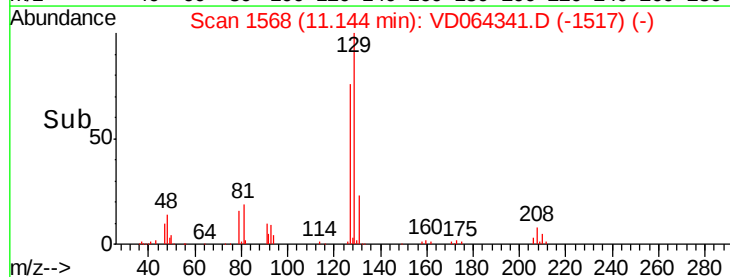
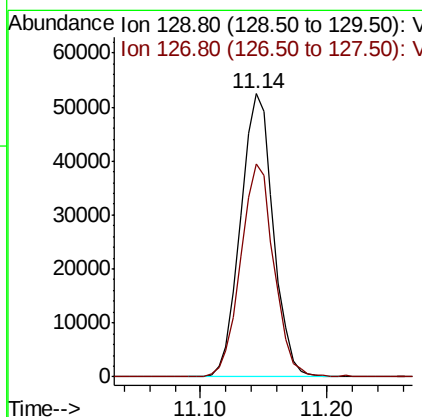
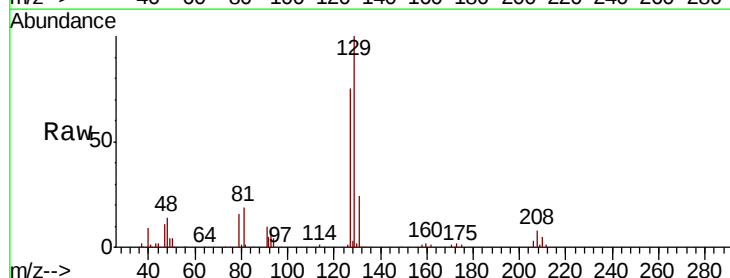
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 186841
Ion Ratio Lower Upper
43 100
58 52.6 25.9 77.7



#60
Dibromochloromethane
Concen: 19.363 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion: 129 Resp: 93917
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.909 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

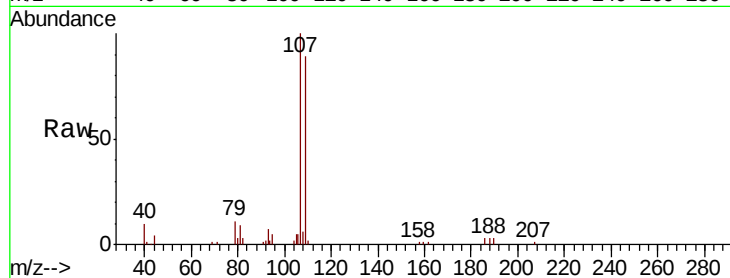
ClientSampleId :

Tot Ion:107 Resp: 69316

Ion Ratio Lower Upper

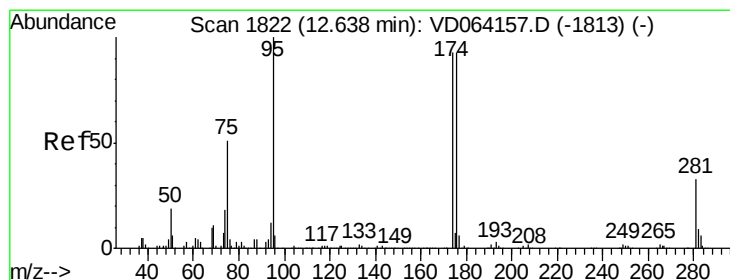
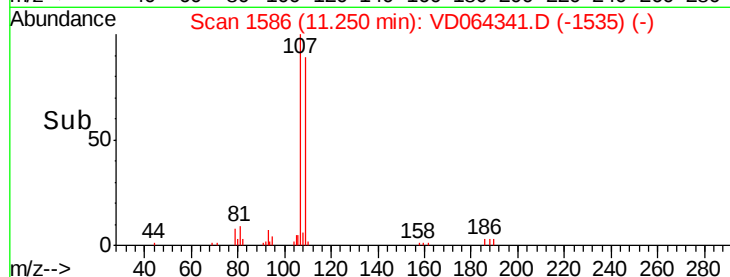
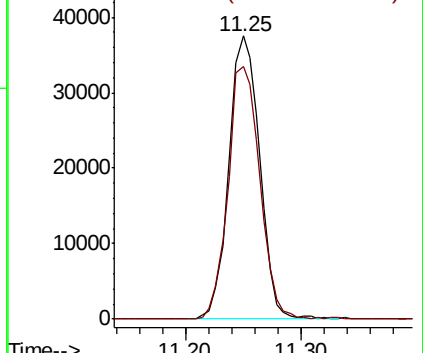
107 100

109 92.1 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.964 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

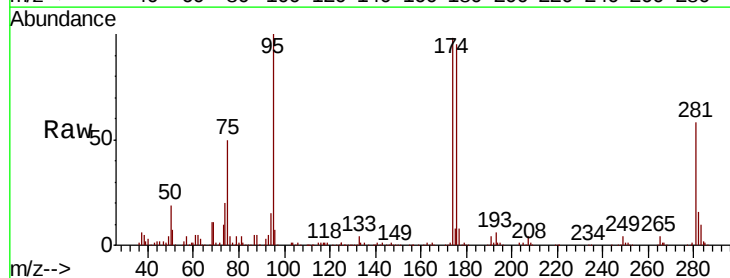
Tgt Ion: 95 Resp: 262871

Ion Ratio Lower Upper

95 100

174 97.2 0.0 183.6

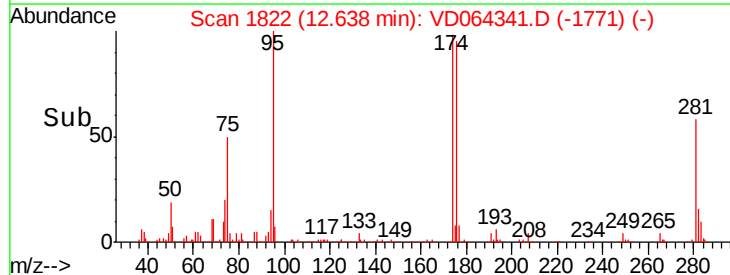
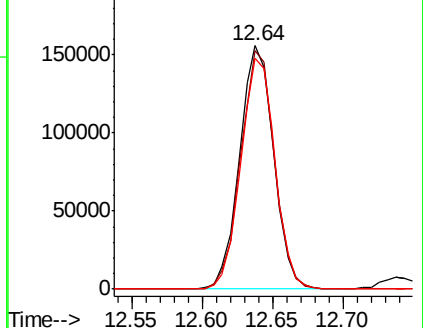
176 95.2 0.0 180.2

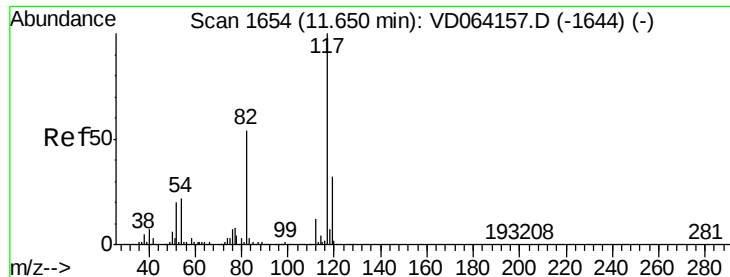


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

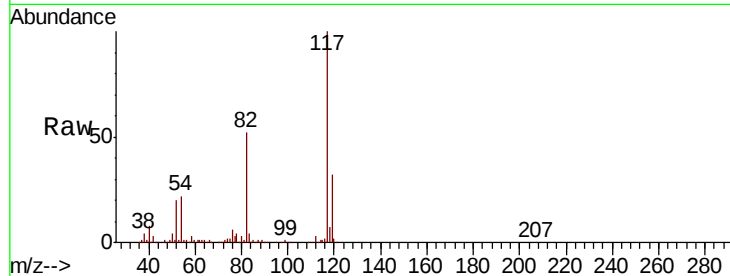




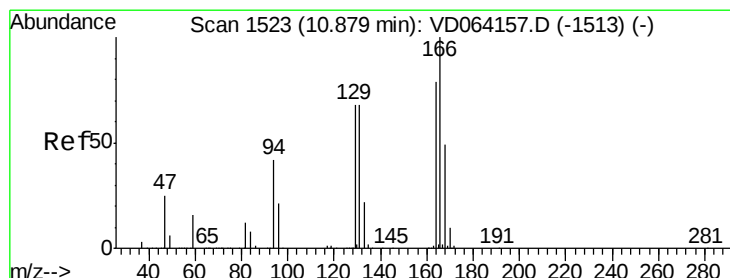
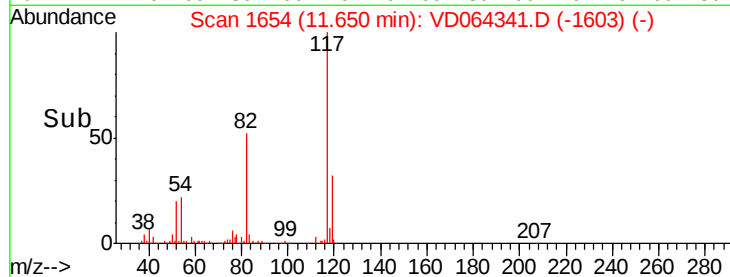
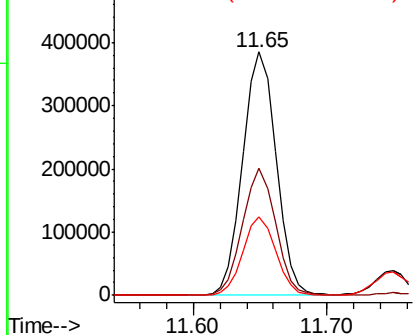
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 669715
Ion Ratio Lower Upper
117 100
82 52.4 42.8 64.2
119 32.1 25.6 38.4

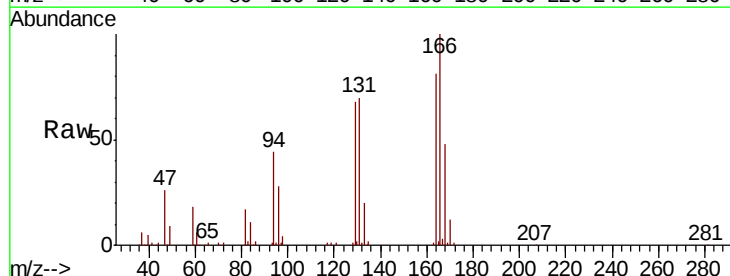


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

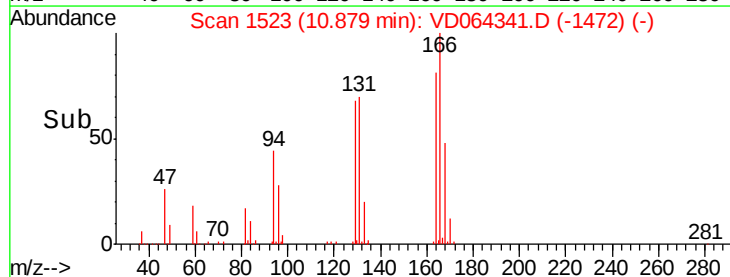
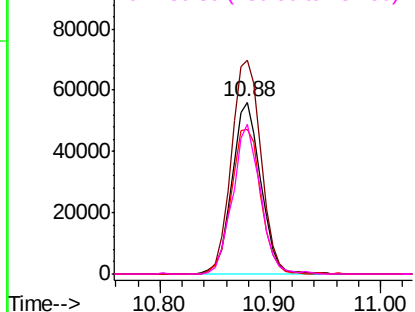


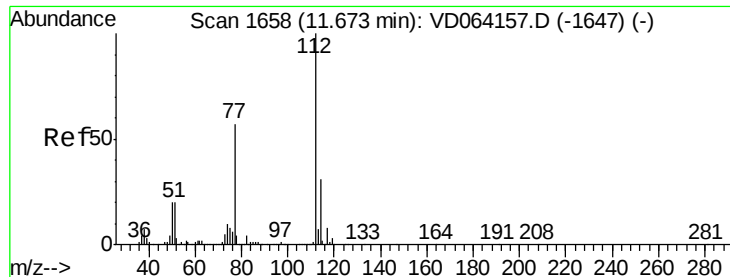
#64
Tetrachloroethene
Concen: 19.857 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion:164 Resp: 102277
Ion Ratio Lower Upper
164 100
166 124.0 100.8 151.2
129 84.1 68.7 103.1
131 87.1 68.1 102.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

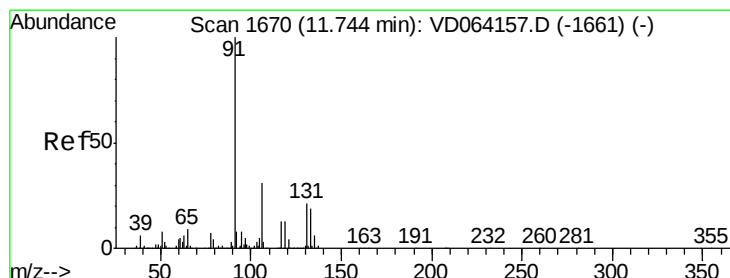
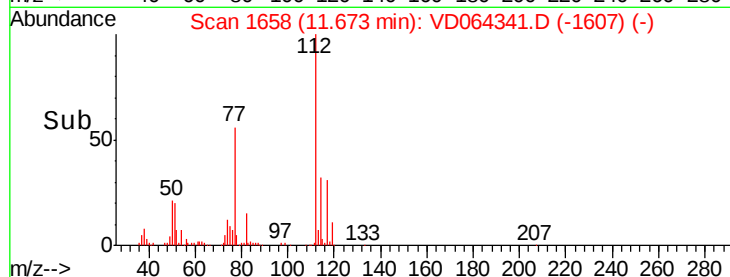
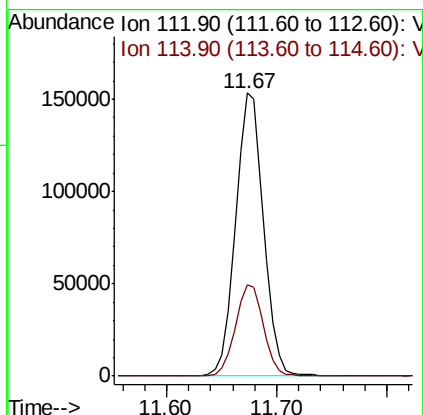
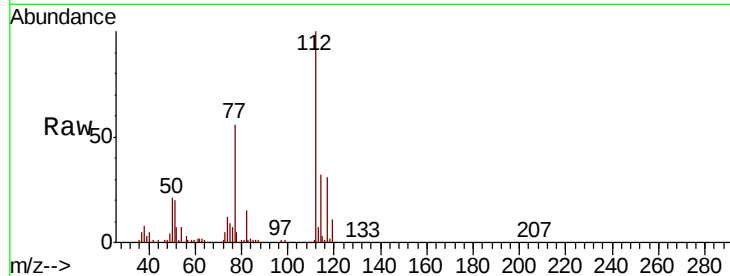




#65
Chlorobenzene
Concen: 19.976 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

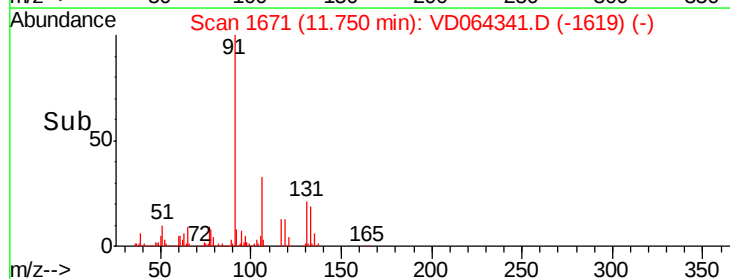
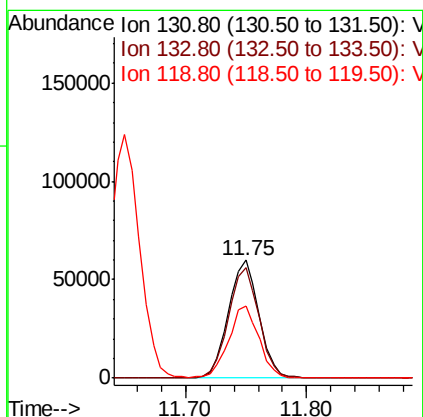
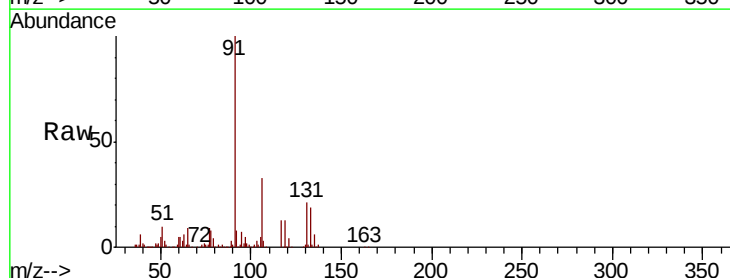
Instrument :
MSVOA_D
ClientSampleId :

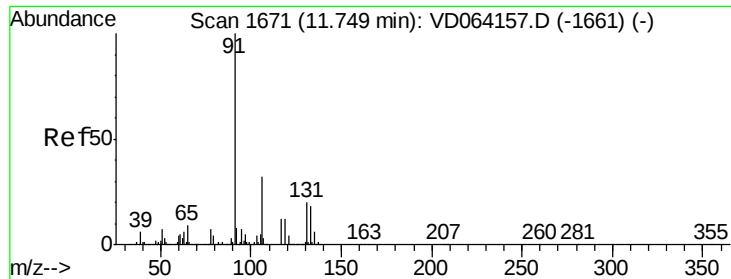
Tot Ion:112 Resp: 272053
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.427 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion:131 Resp: 105781
Ion Ratio Lower Upper
131 100
133 93.3 47.3 141.9
119 60.7 31.1 93.3





#67

Ethyl Benzene

Concen: 19.925 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

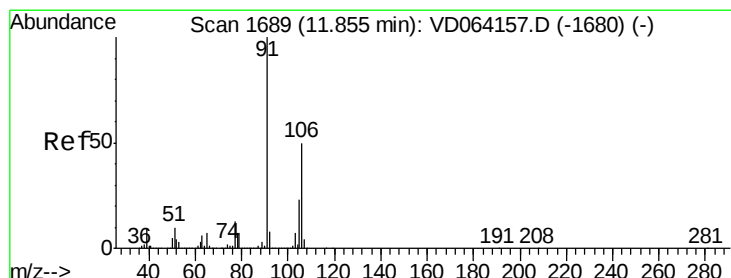
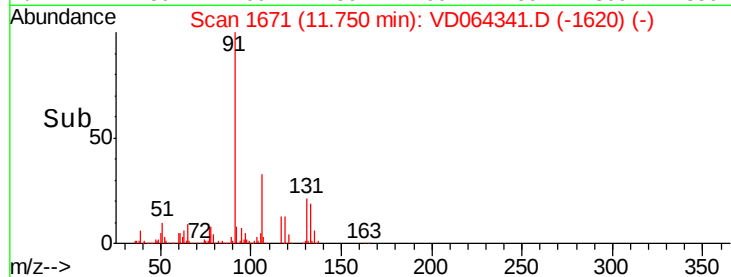
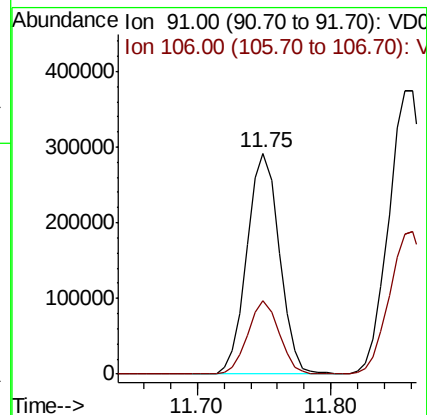
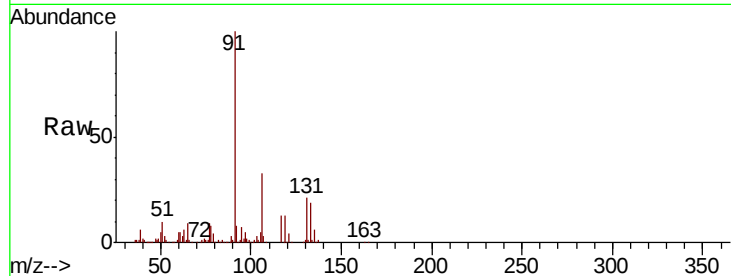
ClientSampleId :

Tot Ion: 91 Resp: 490833

Ion Ratio Lower Upper

91 100

106 33.0 25.5 38.3



#68

m/p-Xylenes

Concen: 39.412 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064341.D

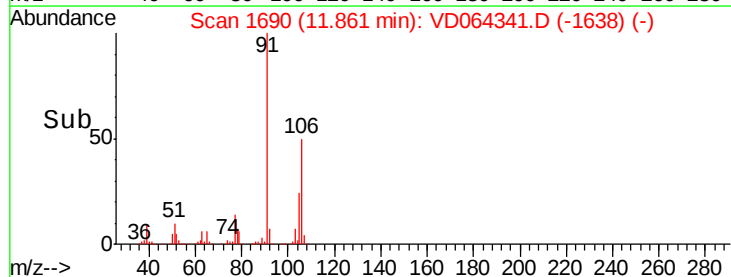
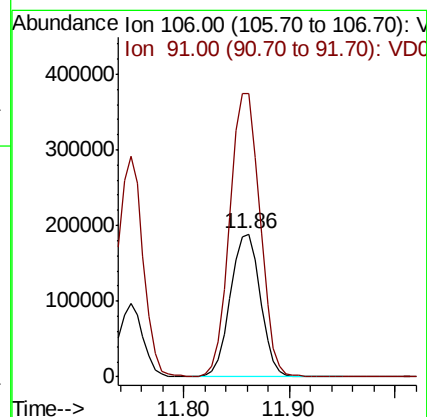
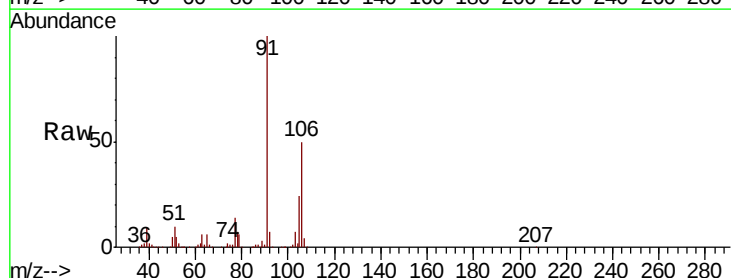
Acq: 22 Nov 2019 12:13

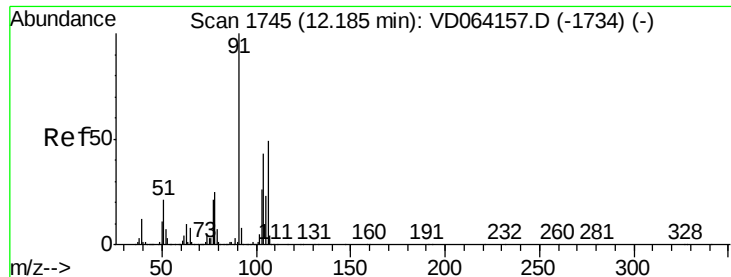
Tgt Ion: 106 Resp: 372140

Ion Ratio Lower Upper

106 100

91 199.5 160.3 240.5

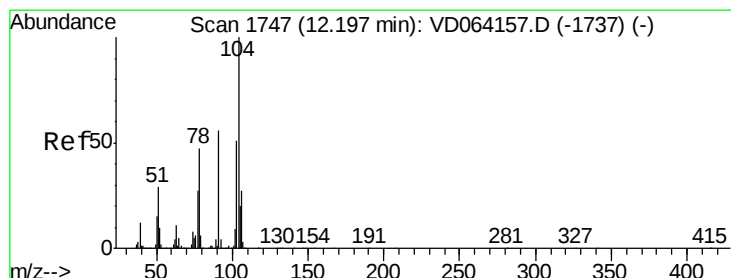
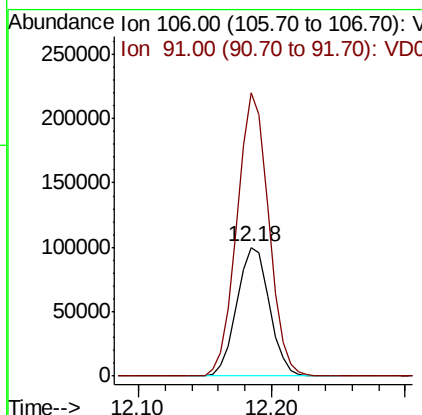
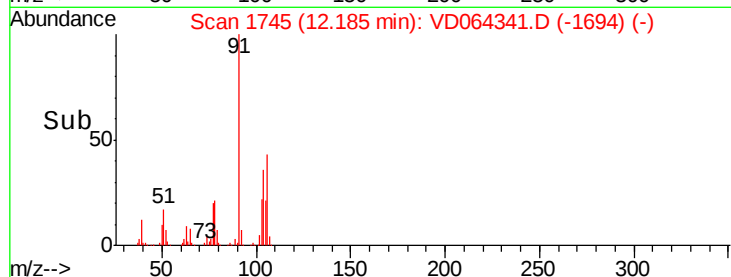
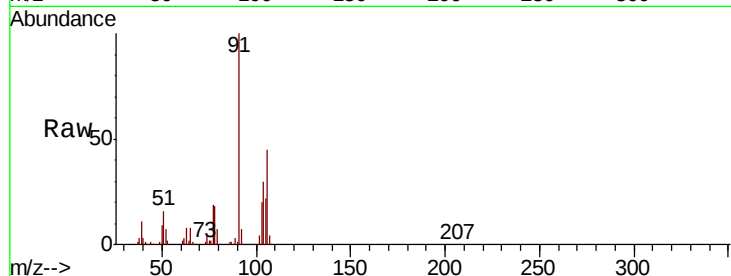




#69
o-Xylene
Concen: 19.337 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

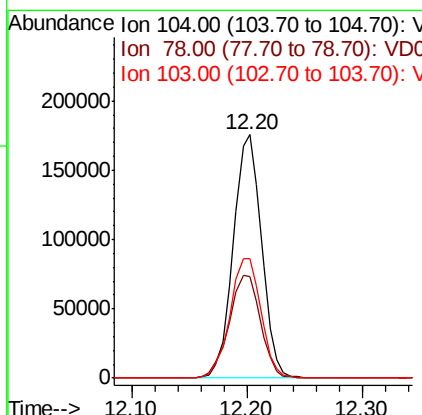
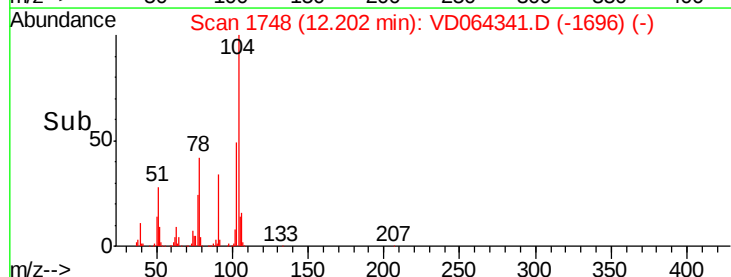
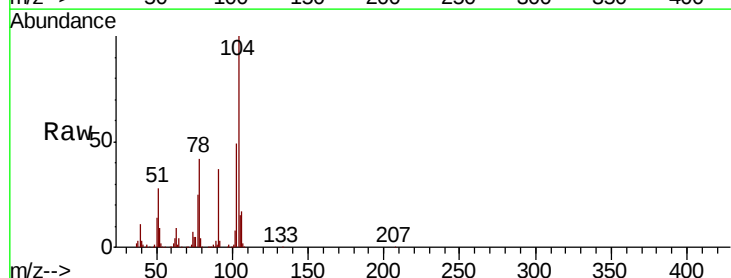
Instrument :
MSVOA_D
ClientSampleId :

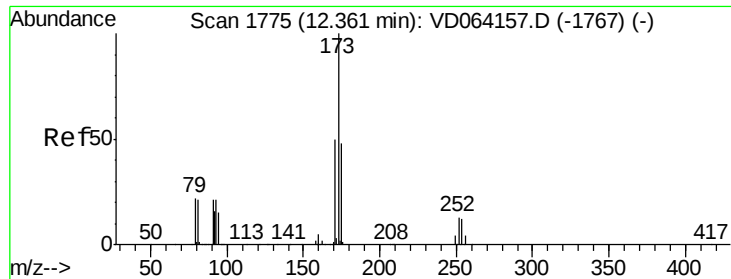
Tot Ion:106 Resp: 169340
Ion Ratio Lower Upper
106 100
91 214.4 105.1 315.3



#70
Styrene
Concen: 19.529 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion:104 Resp: 298521
Ion Ratio Lower Upper
104 100
78 46.9 39.9 59.9
103 54.0 43.4 65.0





#71

Bromoform

Concen: 19.192 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

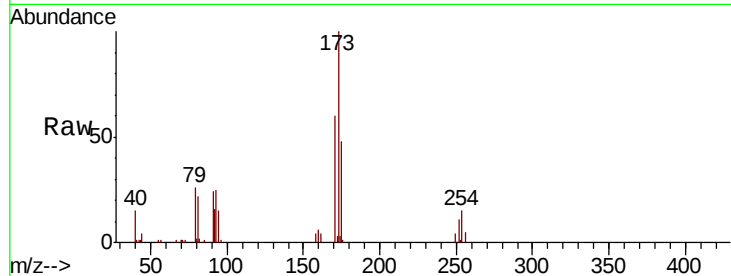
Tot Ion:173 Resp: 56561

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.3

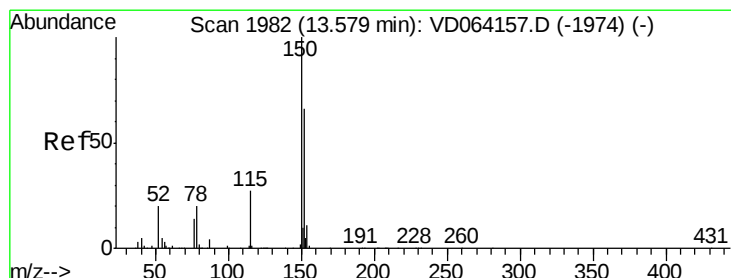
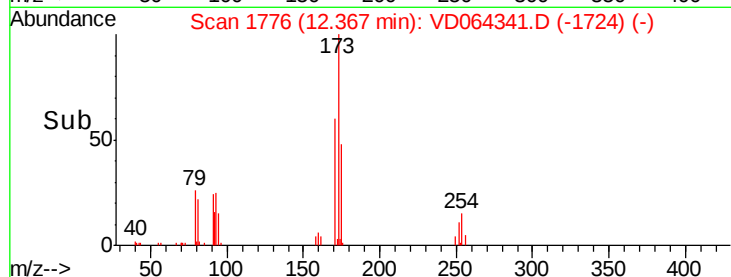
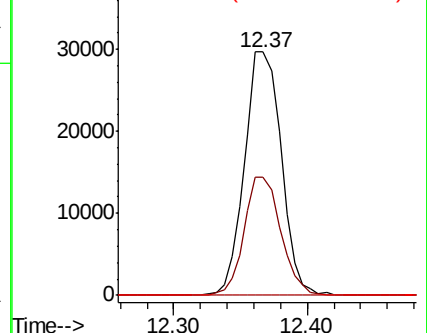
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

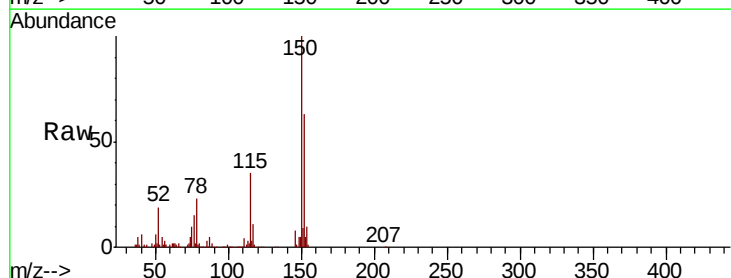
Tgt Ion:152 Resp: 325196

Ion Ratio Lower Upper

152 100

115 55.2 27.4 82.2

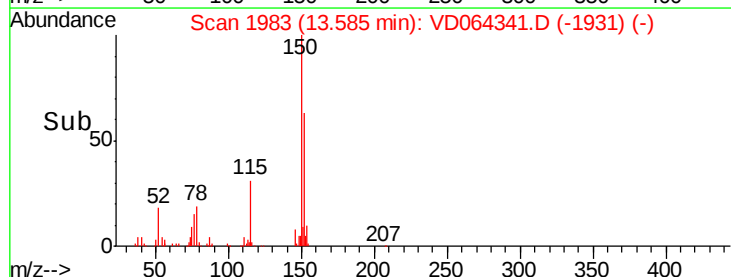
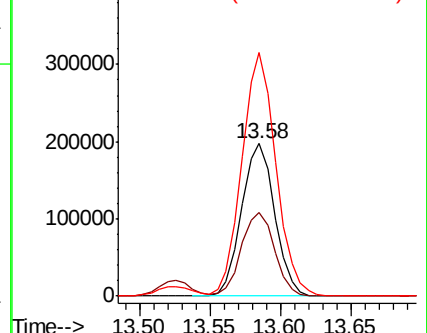
150 163.6 0.0 351.6

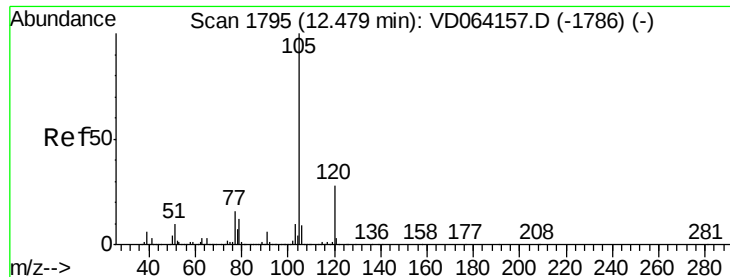


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.393 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

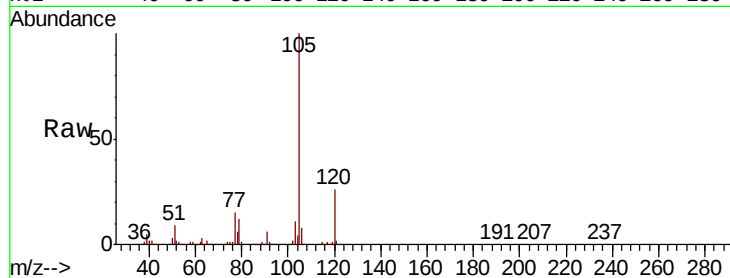
ClientSampleId :

Tot Ion:105 Resp: 486761

Ion Ratio Lower Upper

105 100

120 26.5 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

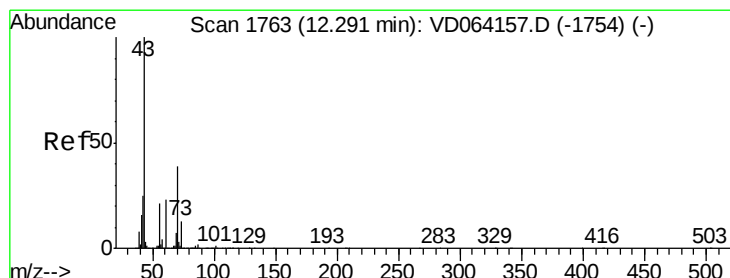
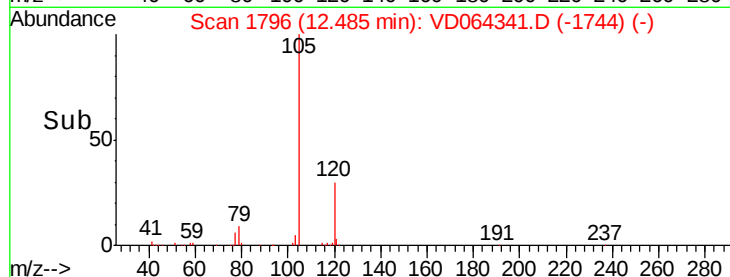
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.511 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Tgt Ion: 43 Resp: 98705

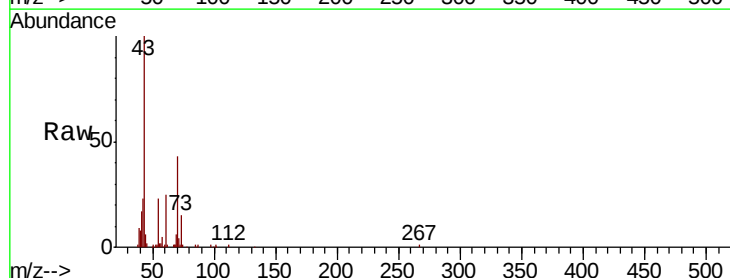
Ion Ratio Lower Upper

43 100

70 42.0 32.4 48.6

55 23.6 17.9 26.9

61 23.9 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

100000

80000

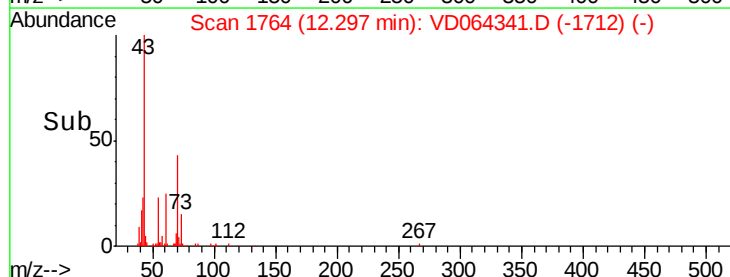
60000

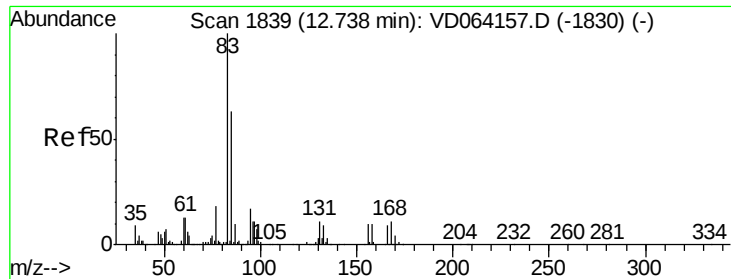
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.615 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

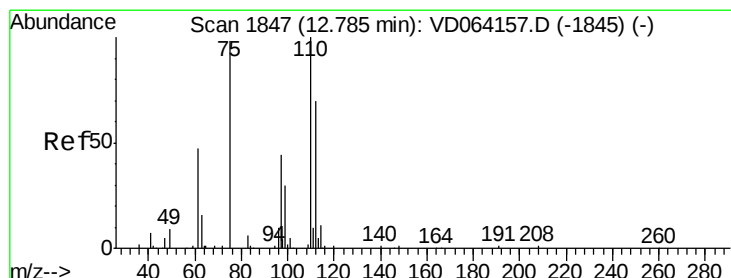
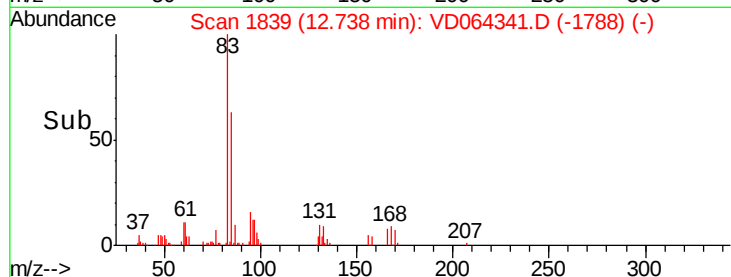
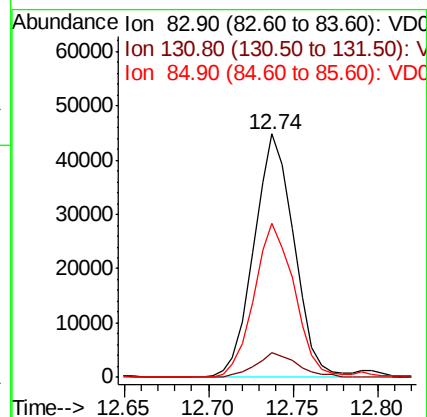
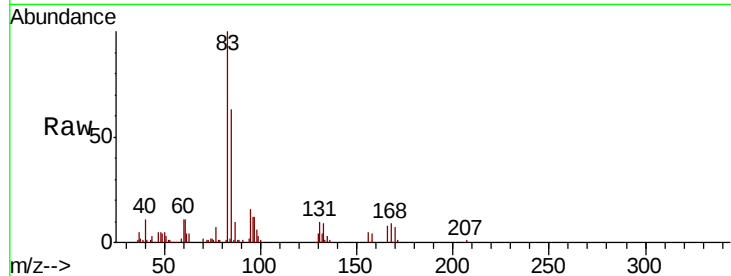
Tot Ion: 83 Resp: 74144

Ion Ratio Lower Upper

83 100

131 10.5 5.9 17.7

85 63.7 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 36.929 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064341.D

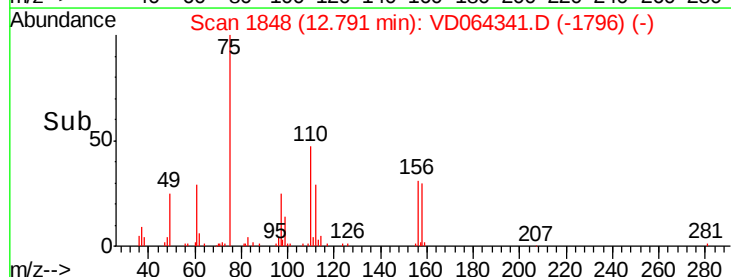
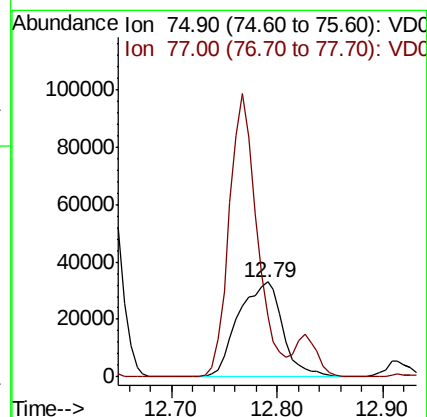
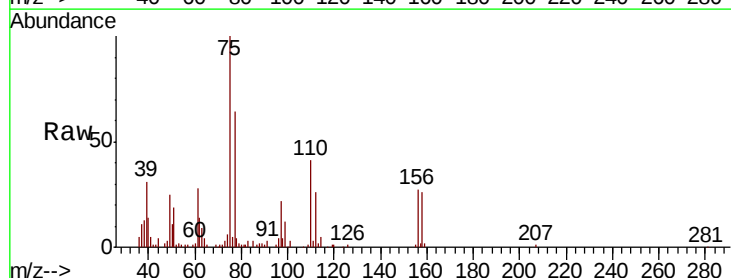
Acq: 22 Nov 2019 12:13

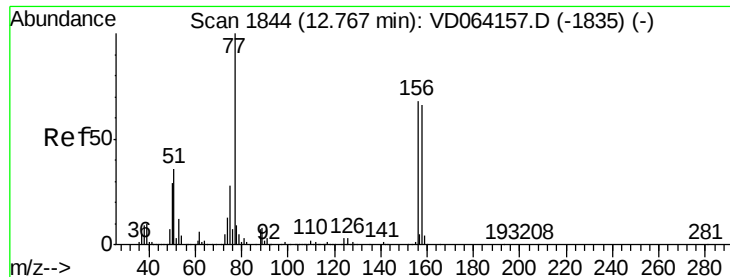
Tgt Ion: 75 Resp: 96729

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.153 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampled :

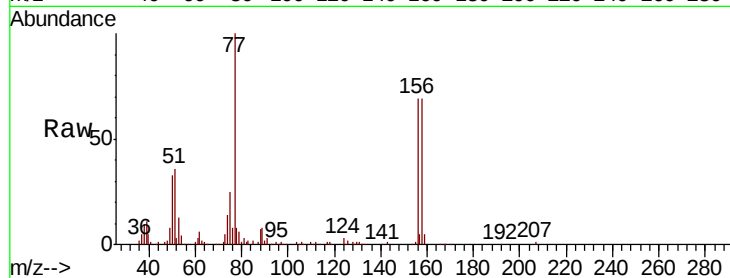
Tot Ion:156 Resp: 116867

Ion Ratio Lower Upper

156 100

77 155.3 81.2 243.4

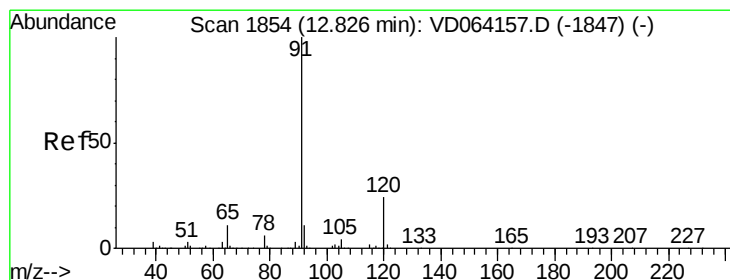
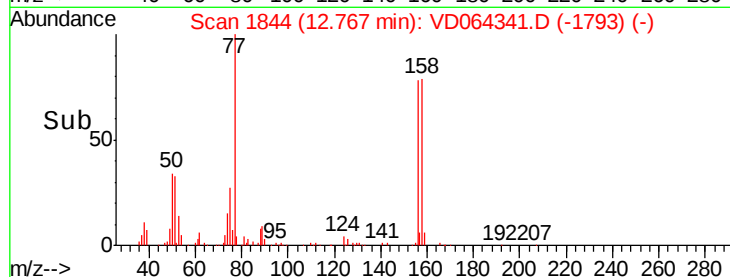
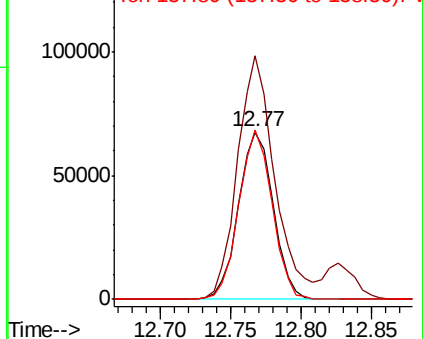
158 96.6 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.027 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064341.D

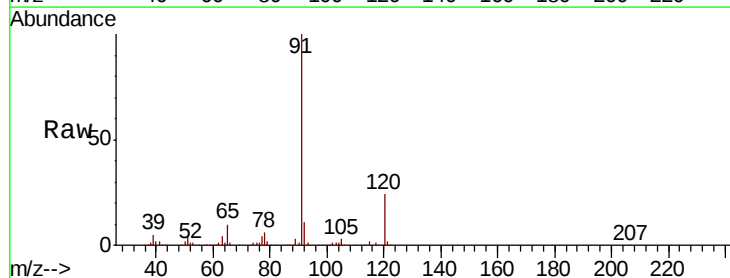
Acq: 22 Nov 2019 12:13

Tgt Ion: 91 Resp: 546150

Ion Ratio Lower Upper

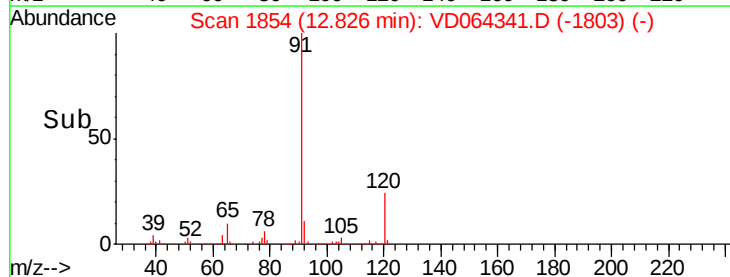
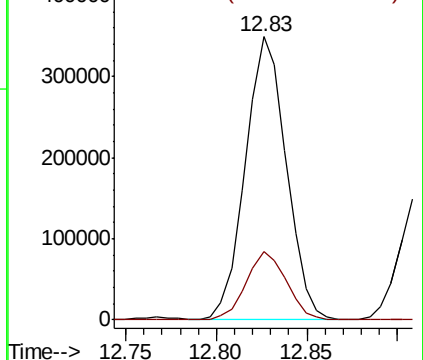
91 100

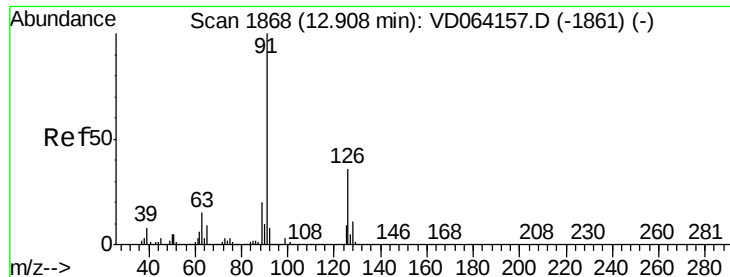
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

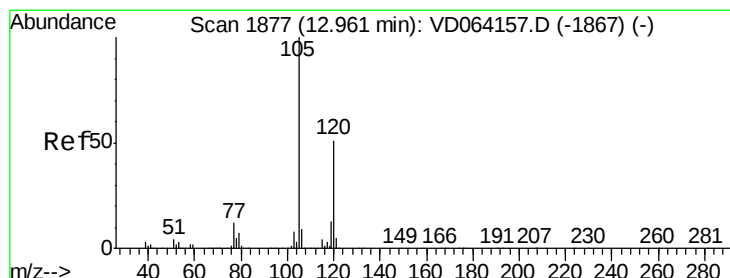
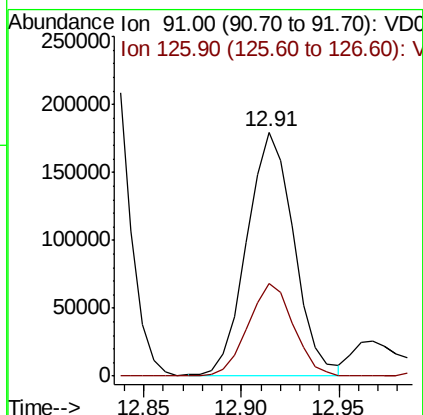
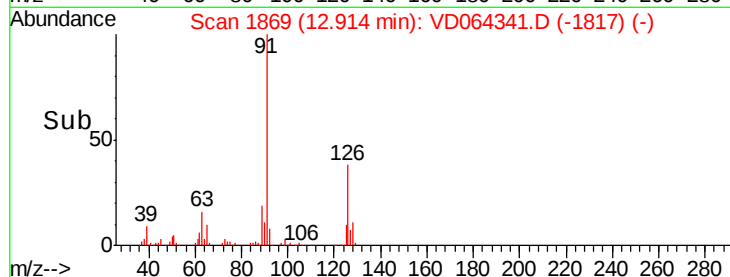
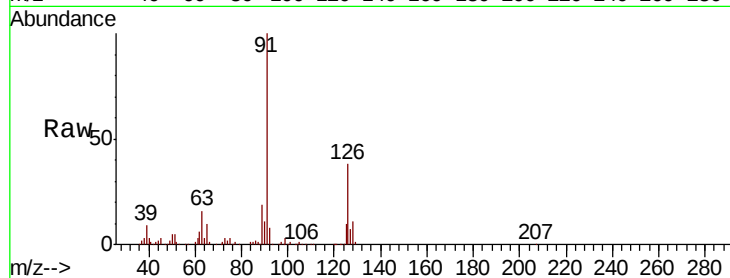




#79
2-Chlorotoluene
Concen: 19.474 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

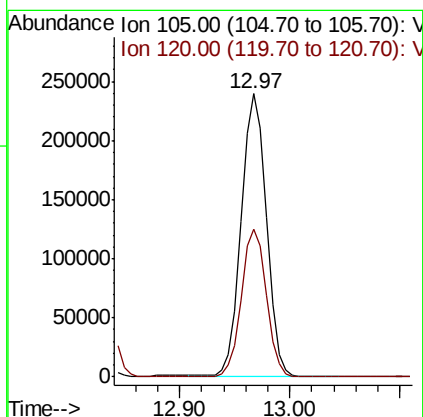
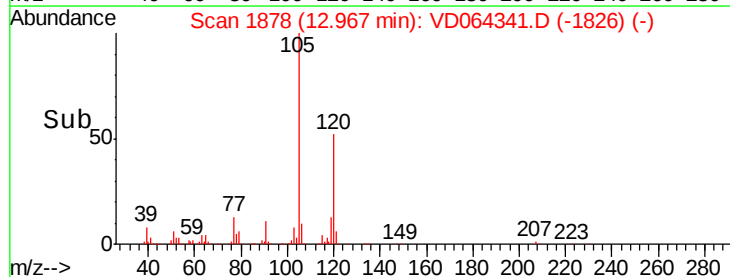
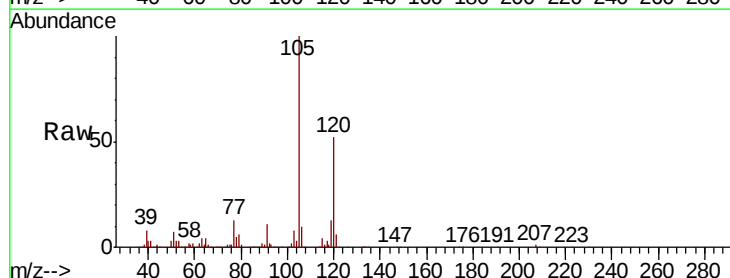
Instrument :
MSVOA_D
ClientSampleId :

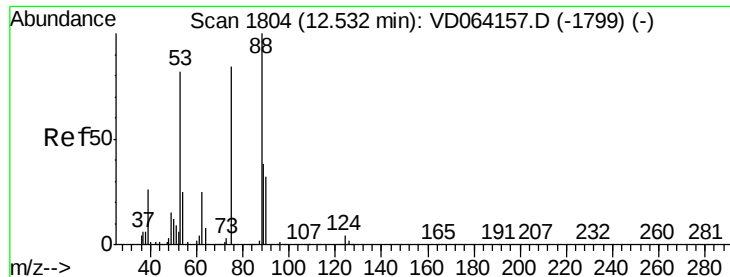
Tot Ion: 91 Resp: 299827
Ion Ratio Lower Upper
91 100
126 36.8 17.7 53.1



#80
1,3,5-Trimethylbenzene
Concen: 19.768 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion:105 Resp: 387717
Ion Ratio Lower Upper
105 100
120 51.5 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.932 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampled :

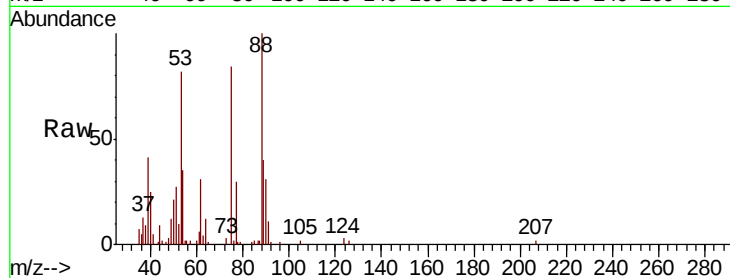
Tot Ion: 75 Resp: 22328

Ion Ratio Lower Upper

75 100

53 101.1 79.4 119.0

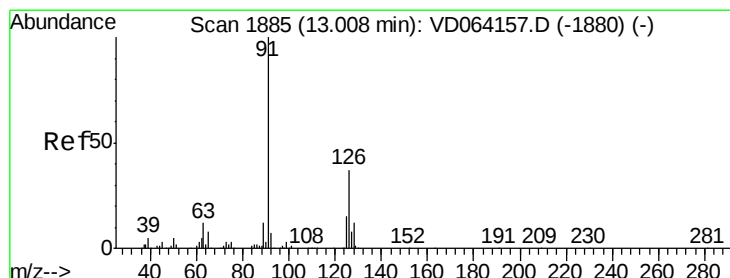
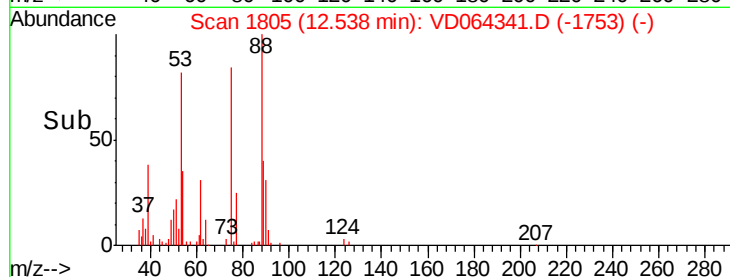
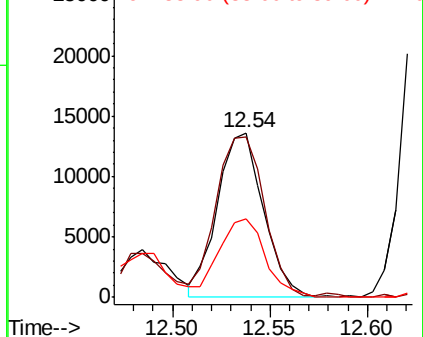
89 48.5 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 19.212 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064341.D

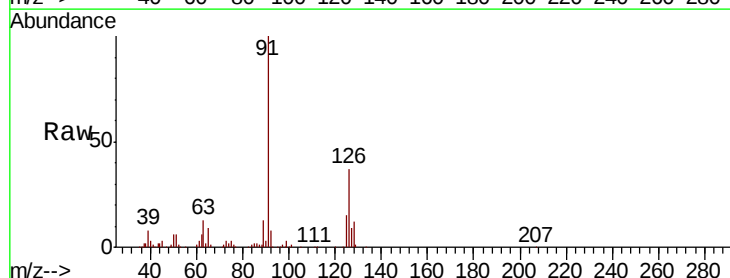
Acq: 22 Nov 2019 12:13

Tgt Ion: 91 Resp: 308519

Ion Ratio Lower Upper

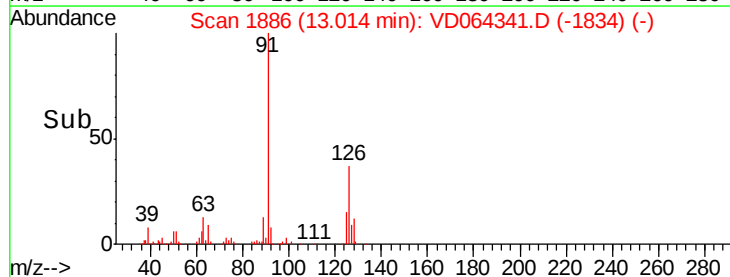
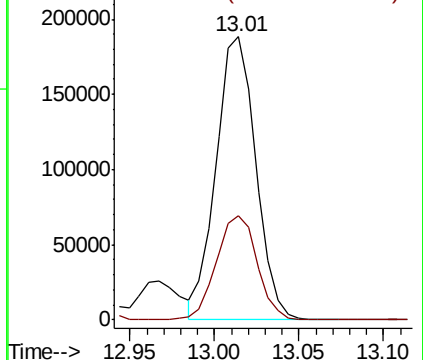
91 100

126 37.8 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC





#83

tert-Butylbenzene

Concen: 19.771 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampled :

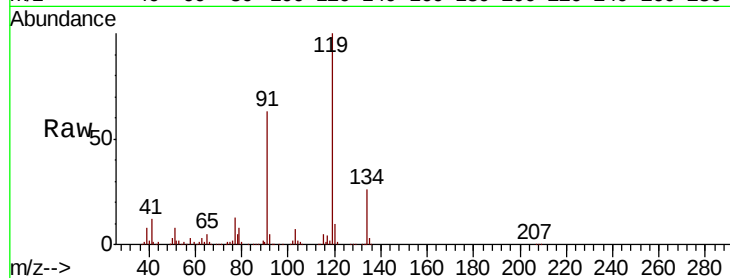
Tot Ion:119 Resp: 341934

Ion Ratio Lower Upper

119 100

91 63.6 31.8 95.4

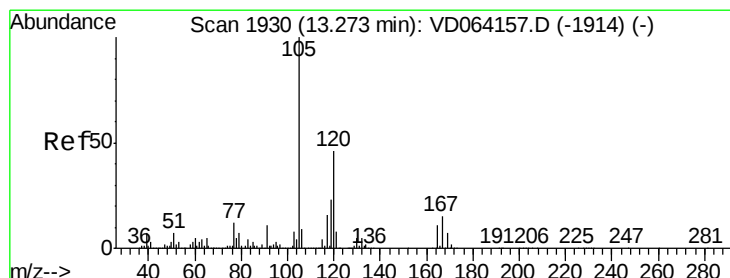
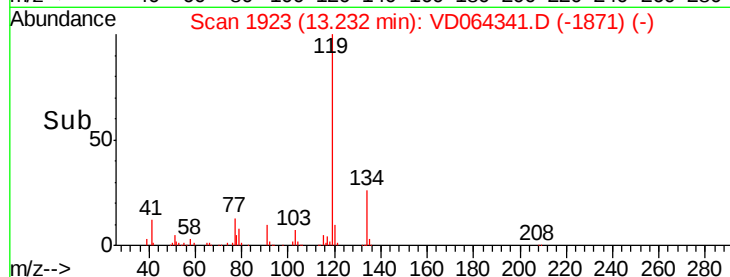
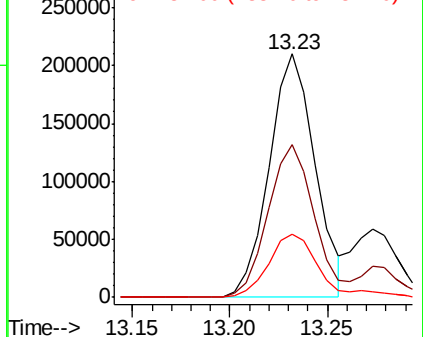
134 26.6 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.991 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.01 min

Lab File: VD064341.D

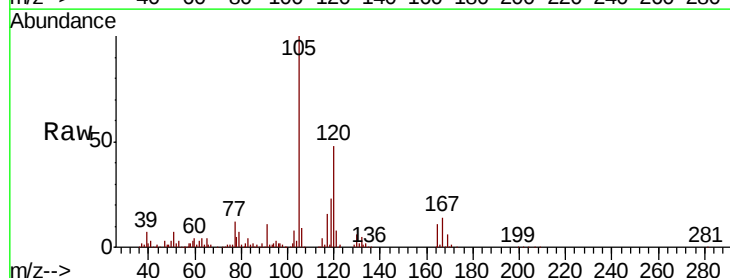
Acq: 22 Nov 2019 12:13

Tgt Ion:105 Resp: 387102

Ion Ratio Lower Upper

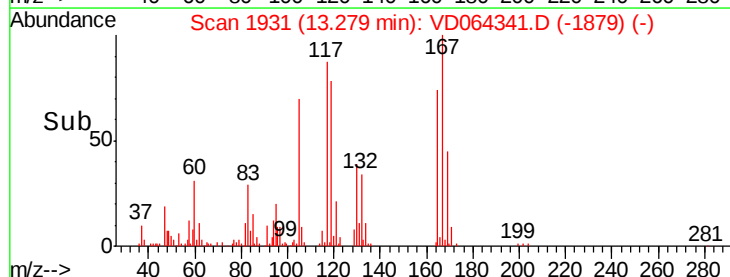
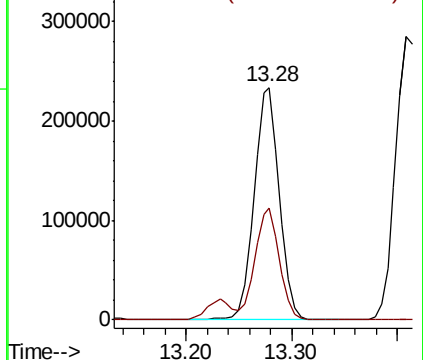
105 100

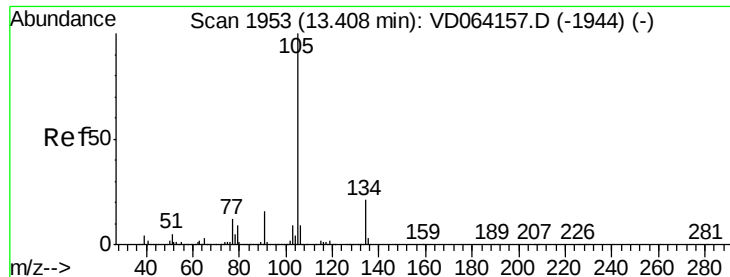
120 46.5 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.986 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

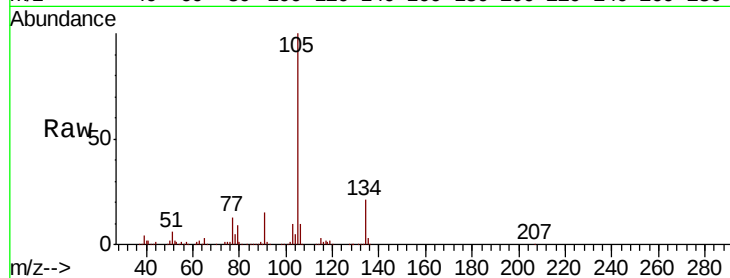
ClientSampleId :

Tot Ion:105 Resp: 464244

Ion Ratio Lower Upper

105 100

134 21.9 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

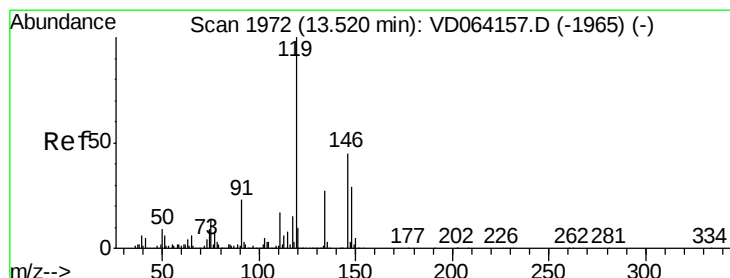
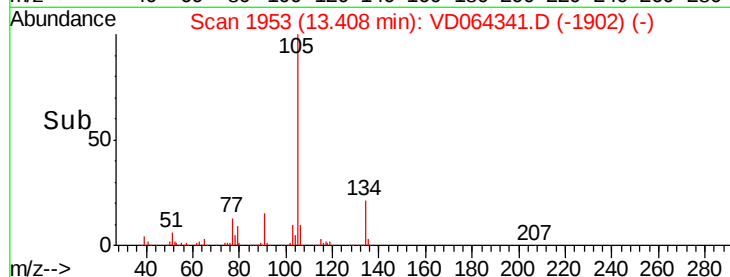
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 19.801 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

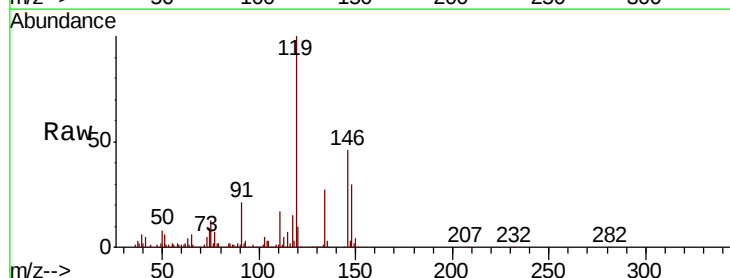
Tgt Ion:119 Resp: 437272

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 22.8 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

400000

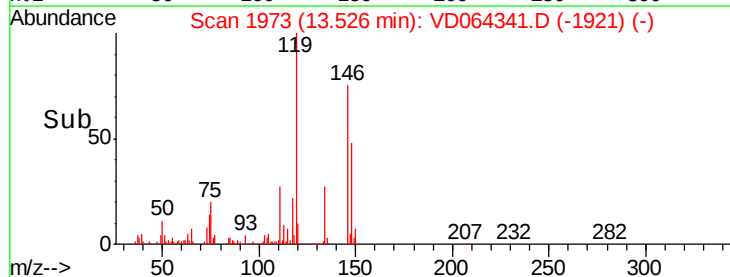
300000

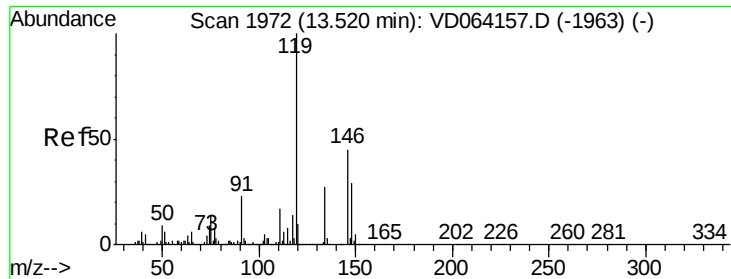
200000

100000

0

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 20.170 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064341.D

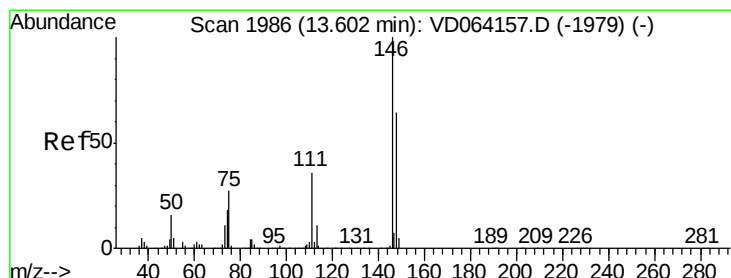
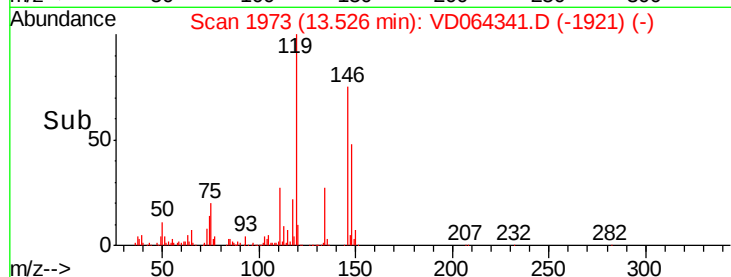
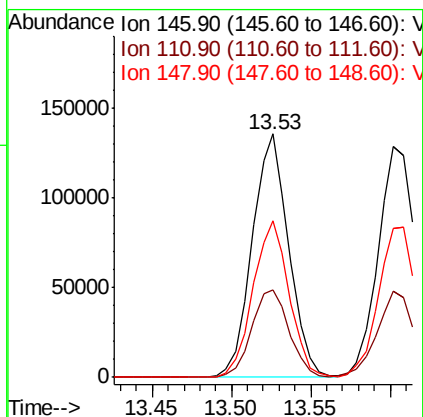
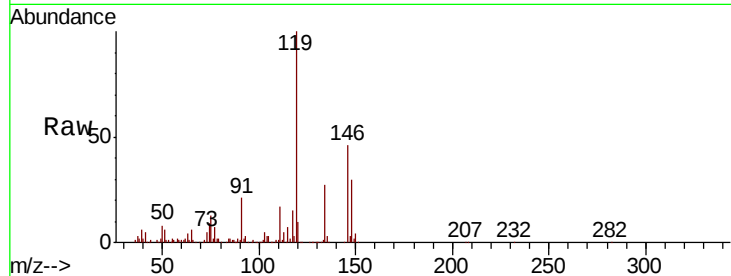
Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampled :

Tot Ion:	146	Resp:	217115
Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.9
148	63.9	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 20.180 ug/l

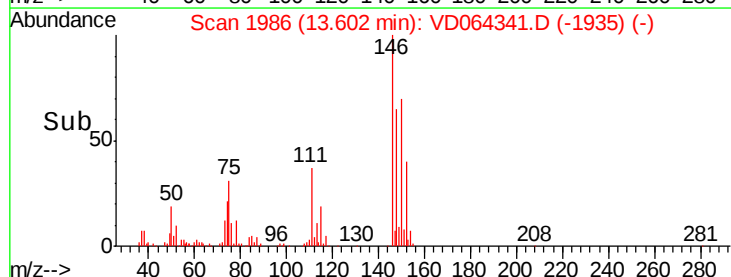
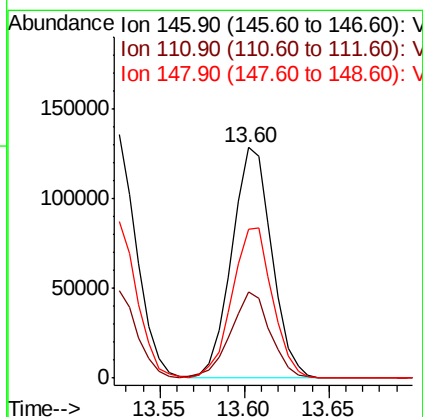
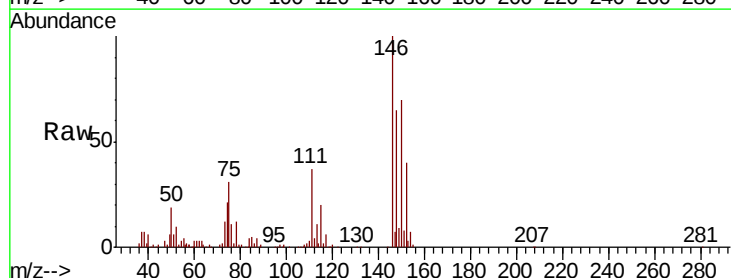
RT: 13.60 min Scan# 1986

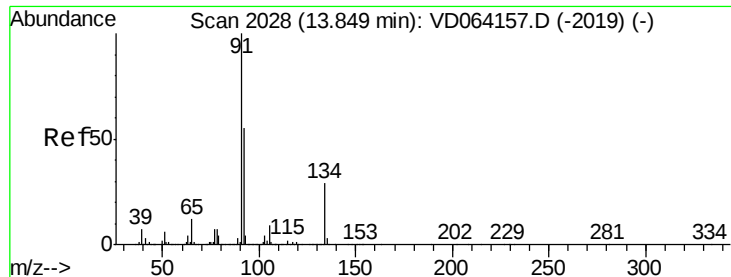
Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Tgt Ion:	146	Resp:	212012
Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.4
148	66.0	31.9	95.7

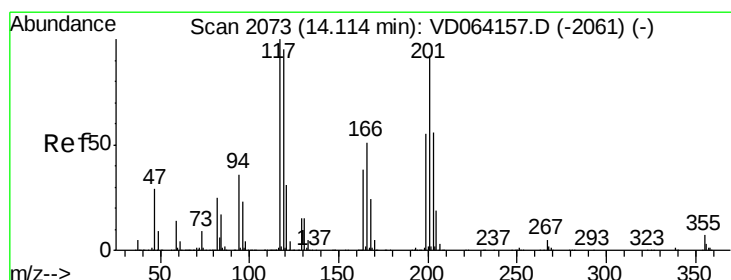
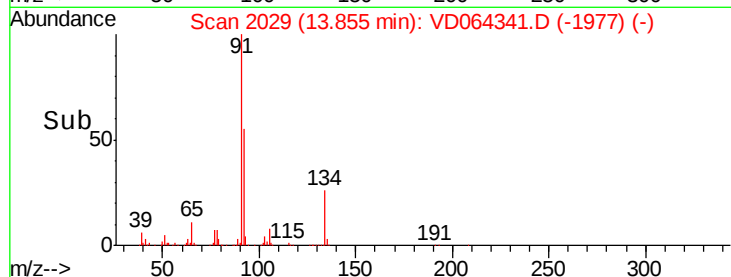
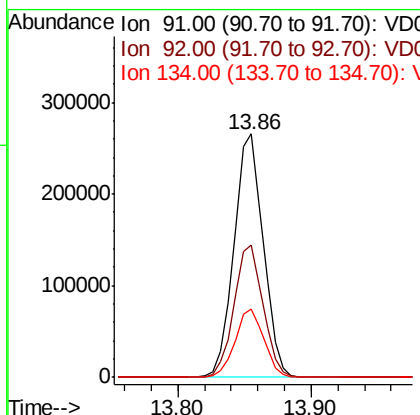
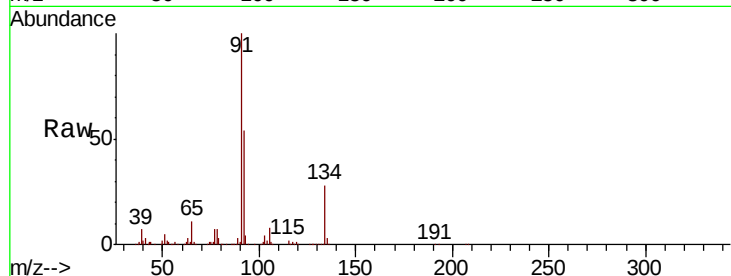




#89
n-Butylbenzene
Concen: 20.262 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

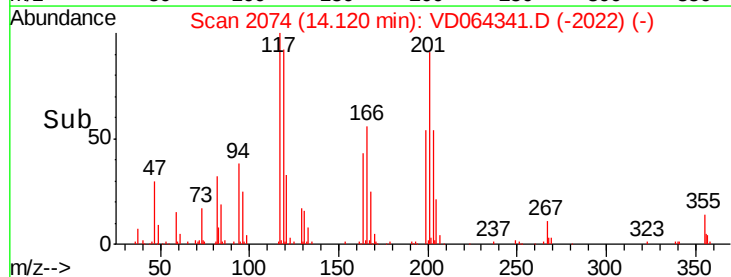
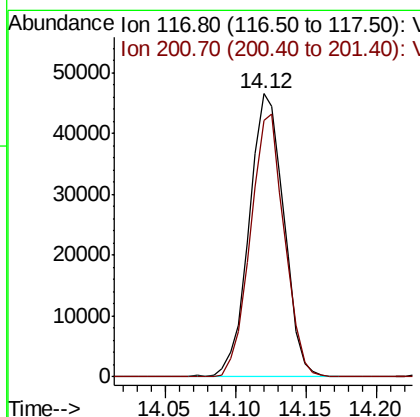
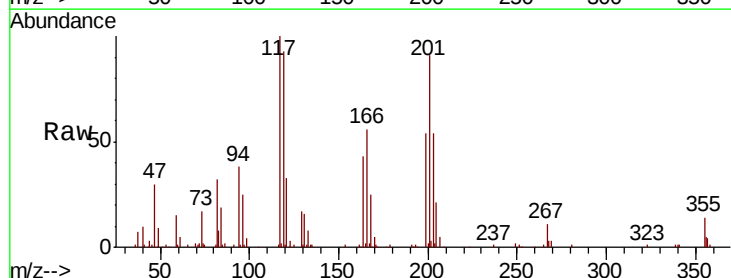
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 404238
Ion Ratio Lower Upper
91 100
92 53.9 27.3 81.8
134 27.8 14.1 42.4



#90
Hexachloroethane
Concen: 19.755 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion: 117 Resp: 80623
Ion Ratio Lower Upper
117 100
201 90.5 45.8 137.4

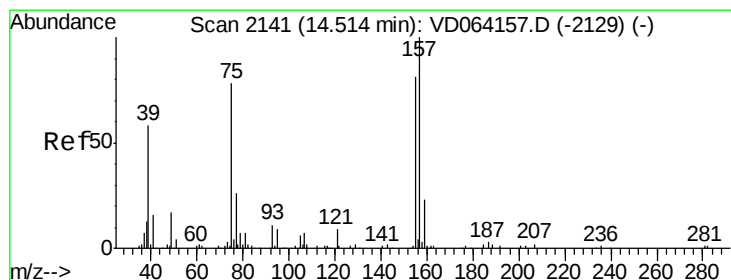
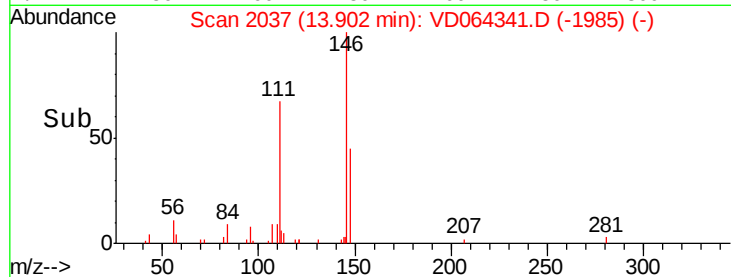
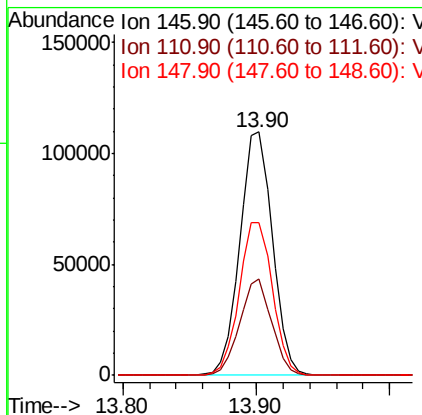
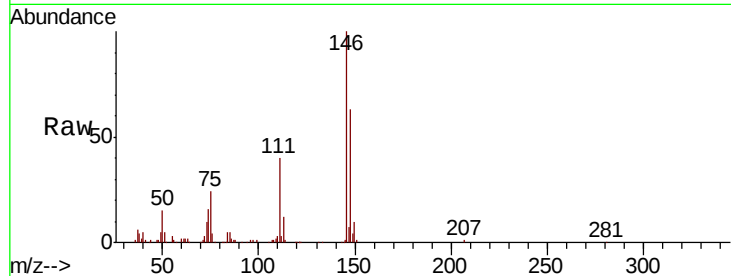




#91
 1,2-Dichlorobenzene
 Concen: 20.321 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

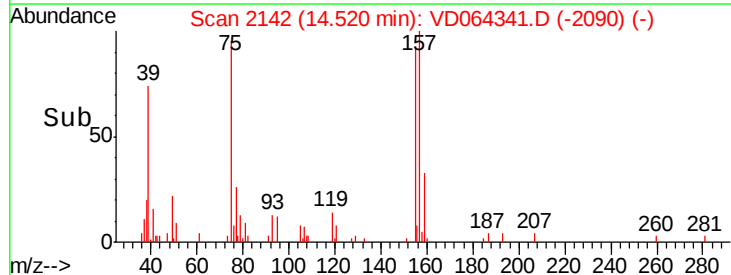
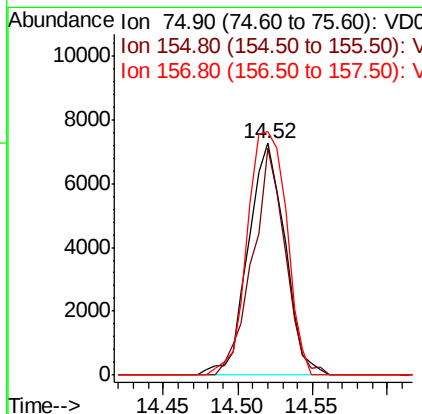
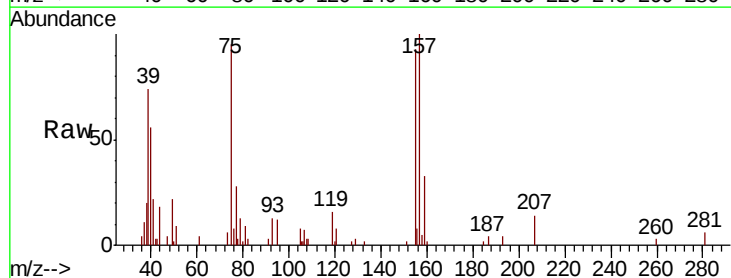
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	64.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.222 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	48.0	144.0
157	112.3	61.5	184.4

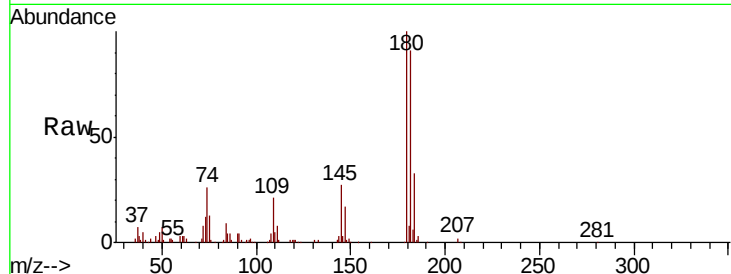




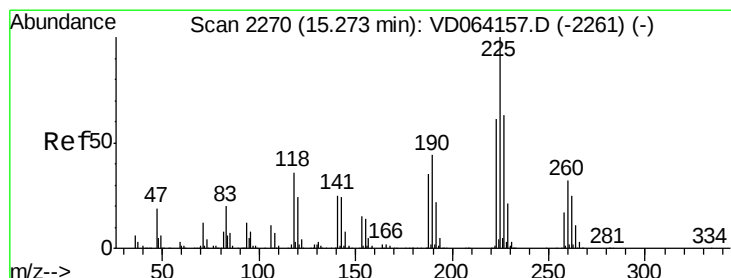
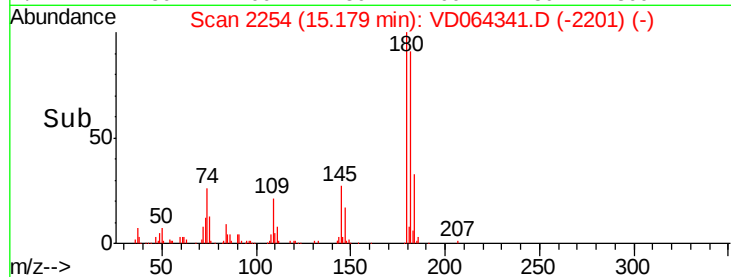
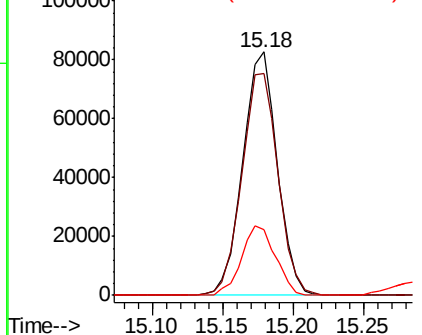
#93
 1,2,4-Trichlorobenzene
 Concen: 20.164 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.5
145	28.1	14.2	42.6

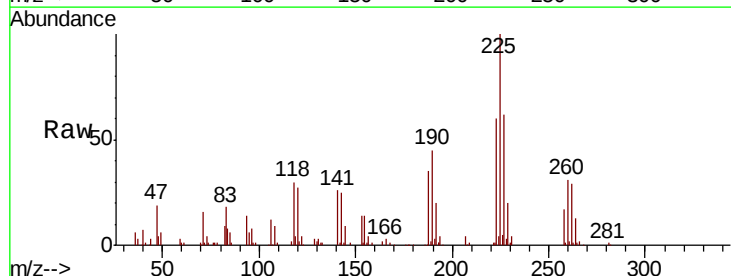


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

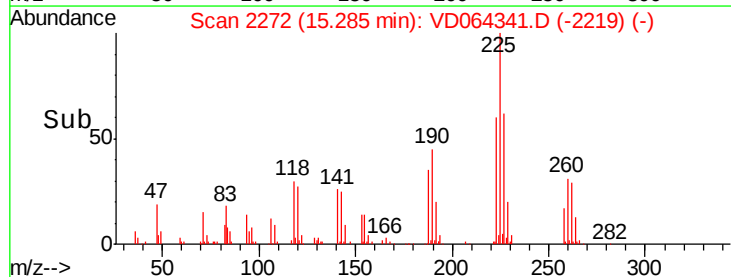
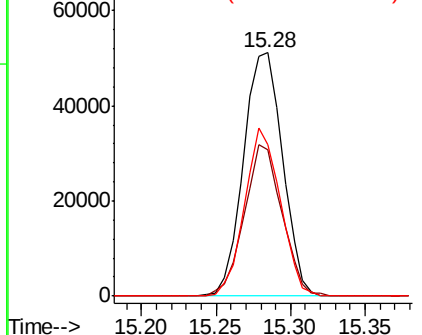


#94
 Hexachlorobutadiene
 Concen: 20.437 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.1	93.3
227	62.8	31.5	94.5



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

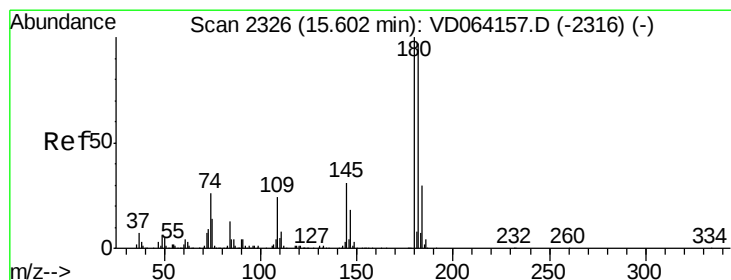
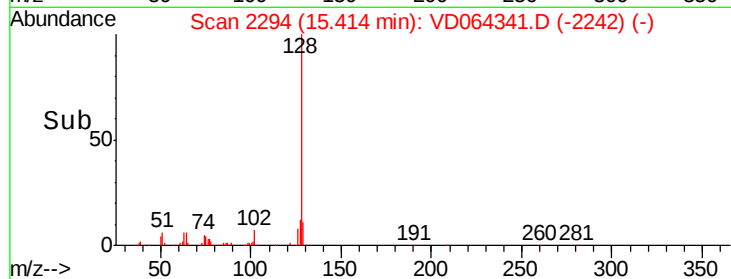
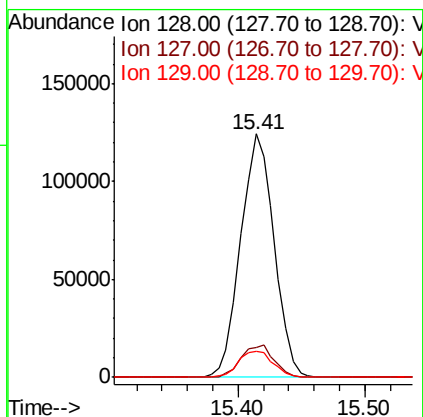
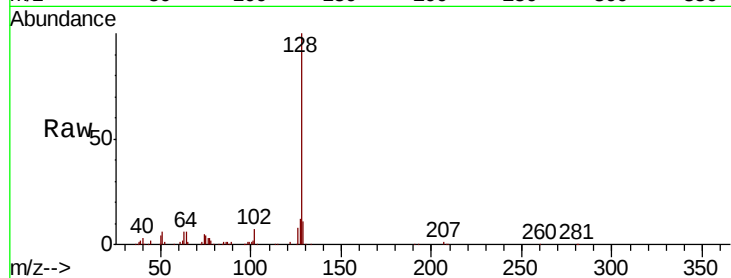




#95
Naphthalene
Concen: 19.790 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.2	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.074 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.3	144.9
145	30.1	15.3	45.8

