

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064373.D
 Acq On : 25 Nov 2019 21:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:38:23 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	7.98	168	442085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	667298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	587784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290944	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	200251	55.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.16%	
35) Dibromofluoromethane	7.92	113	208589	54.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.92%	
50) Toluene-d8	10.34	98	729733	50.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.64	95	244772	48.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	137731	37.564	ug/l	97
3) Chloromethane	2.21	50	188964	48.048	ug/l	99
4) Vinyl Chloride	2.35	62	229052	54.463	ug/l	99
5) Bromomethane	2.77	94	162961	61.364	ug/l	99
6) Chloroethane	2.92	64	171205	63.708	ug/l	97
7) Trichlorofluoromethane	3.27	101	418746	61.413	ug/l	96
8) Diethyl Ether	3.71	74	105206	56.115	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	194017	49.783	ug/l	97
10) Methyl Iodide	4.29	142	200882	45.352	ug/l	99
11) Tert butyl alcohol	5.25	59	65359	257.369	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	183442	49.382	ug/l	98
13) Acrolein	3.92	56	67592	314.621	ug/l	97
14) Allyl chloride	4.71	41	305131	46.457	ug/l	95
15) Acrylonitrile	5.43	53	234301	293.145	ug/l	99
16) Acetone	4.17	43	182425	211.791	ug/l	98
17) Carbon Disulfide	4.40	76	514387	44.465	ug/l	99
18) Methyl Acetate	4.73	43	138035	57.377	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	492055	55.486	ug/l	95
20) Methylene Chloride	4.97	84	218134	50.135	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	212965	50.601	ug/l	92
22) Diisopropyl ether	6.37	45	646024	53.012	ug/l	99
23) Vinyl Acetate	6.31	43	1895387	279.020	ug/l	97
24) 1,1-Dichloroethane	6.26	63	381074	53.856	ug/l	100
25) 2-Butanone	7.22	43	286385	257.353	ug/l	99
26) 2,2-Dichloropropane	7.21	77	313203	45.136	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	250649	55.535	ug/l	93
28) Bromochloromethane	7.55	49	152454	61.887	ug/l	100
29) Tetrahydrofuran	7.57	42	190139	284.384	ug/l	98
30) Chloroform	7.71	83	407584	56.313	ug/l	99
31) Cyclohexane	7.98	56	313611	43.947	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	352188	50.818	ug/l	100
36) 1,1-Dichloropropene	8.11	75	287823	46.735	ug/l	100
37) Ethyl Acetate	7.30	43	135803	52.306	ug/l	97
38) Carbon Tetrachloride	8.10	117	318944	48.399	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	352094	45.182	ug/l	96
40) Benzene	8.35	78	847387	50.345	ug/l	97
41) Methacrylonitrile	7.53	41	79962	49.001	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	261074	51.645	ug/l	100
43) Isopropyl Acetate	8.46	43	273391	51.106	ug/l	97
44) Trichloroethene	9.11	130	252746	50.032	ug/l	99
45) 1,2-Dichloropropane	9.39	63	216210	52.776	ug/l	96
46) Dibromomethane	9.48	93	120691	55.029	ug/l	98
47) Bromodichloromethane	9.66	83	319123	54.018	ug/l	99
48) Methyl methacrylate	9.46	41	128910	49.282	ug/l	93
49) 1,4-Dioxane	9.47	88	29573	1122.718	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	681249	265.563	ug/l	99
52) Toluene	10.40	92	553438	50.004	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	297817	50.319	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	353374	51.166	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	168552	56.651	ug/l	96
56) Ethyl methacrylate	10.66	69	219519	52.743	ug/l	92
57) 1,3-Dichloropropane	10.95	76	281652	54.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	490397	290.877	ug/l	99
59) 2-Hexanone	10.99	43	458259	251.091	ug/l	99
60) Dibromochloromethane	11.14	129	228283	54.987	ug/l	98
61) 1,2-Dibromoethane	11.25	107	165176	55.428	ug/l	100
64) Tetrachloroethene	10.88	164	212288	46.960	ug/l	98
65) Chlorobenzene	11.67	112	606500	50.742	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	234984	51.703	ug/l	99
67) Ethyl Benzene	11.75	91	1055023	48.798	ug/l	99
68) m/p-Xylenes	11.86	106	825056	99.559	ug/l	97
69) o-Xylene	12.18	106	385298	50.131	ug/l	98
70) Styrene	12.20	104	670178	49.954	ug/l	99
71) Bromoform	12.37	173	138676	53.615	ug/l #	99
73) Isopropylbenzene	12.48	105	1020177	47.772	ug/l	100
74) N-amyl acetate	12.30	43	242800	48.146	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172373	53.568	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	230759	98.469	ug/l #	100
77) Bromobenzene	12.77	156	266360	51.341	ug/l	97
78) n-propylbenzene	12.83	91	1168256	47.882	ug/l	99
79) 2-Chlorotoluene	12.91	91	655831	47.610	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	845520	48.184	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	55928	47.406	ug/l	99
82) 4-Chlorotoluene	13.01	91	700598	48.762	ug/l	100
83) tert-Butylbenzene	13.23	119	736851	47.621	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	847281	48.908	ug/l	99
85) sec-Butylbenzene	13.41	105	988638	47.572	ug/l	99
86) p-Isopropyltoluene	13.53	119	938305	47.492	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	485574	50.420	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	476557	50.701	ug/l	100
89) n-Butylbenzene	13.85	91	840207	47.072	ug/l	99
90) Hexachloroethane	14.12	117	177959	48.738	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	423132	51.909	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27896	48.487	ug/l	96

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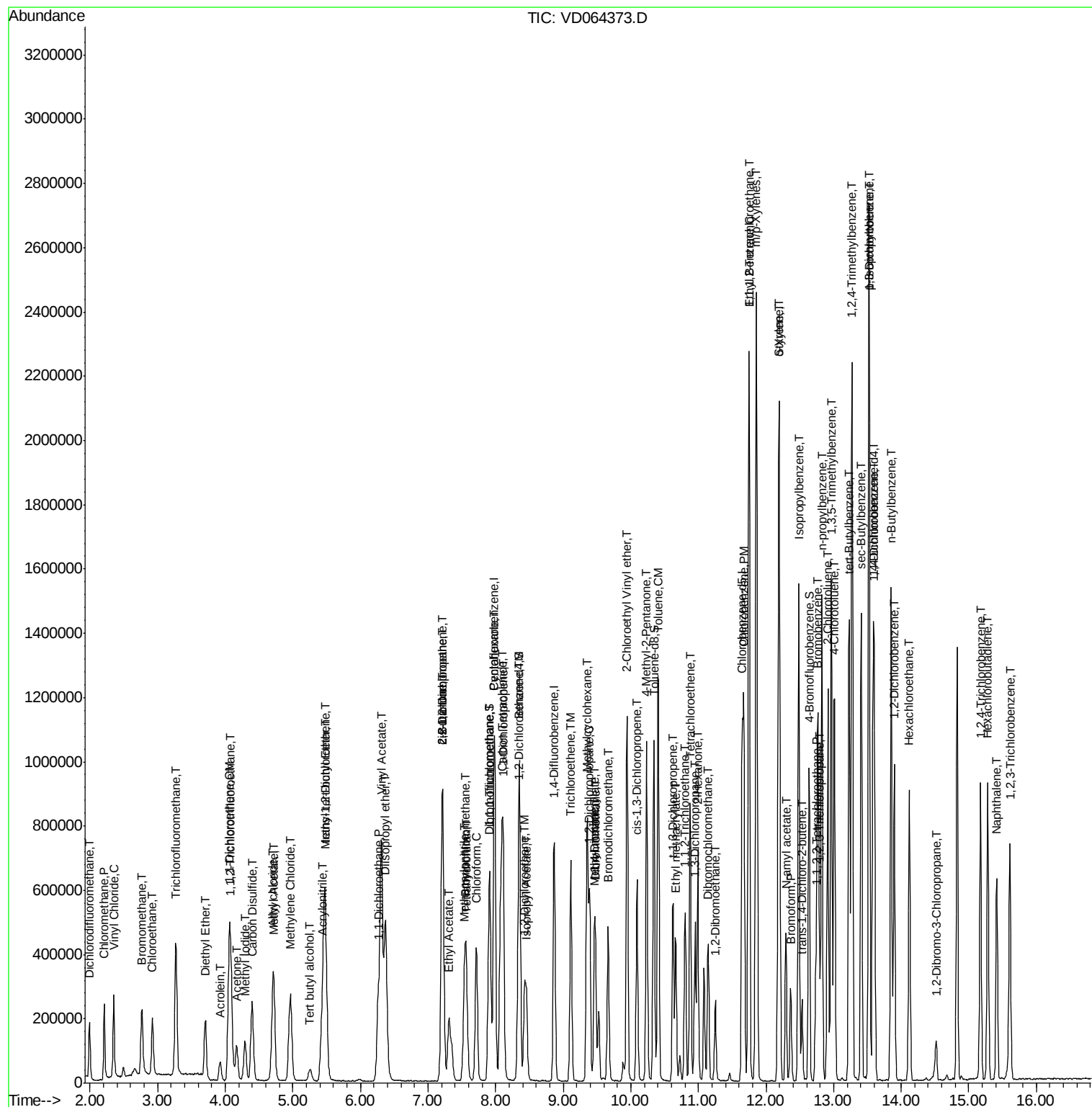
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	317221	50.448	ug/l	99
94) Hexachlorobutadiene	15.28	225	190842	46.988	ug/l	97
95) Naphthalene	15.41	128	552395	53.590	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	279526	52.296	ug/l	99

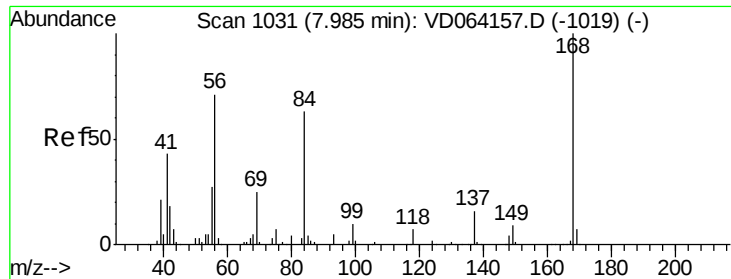
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

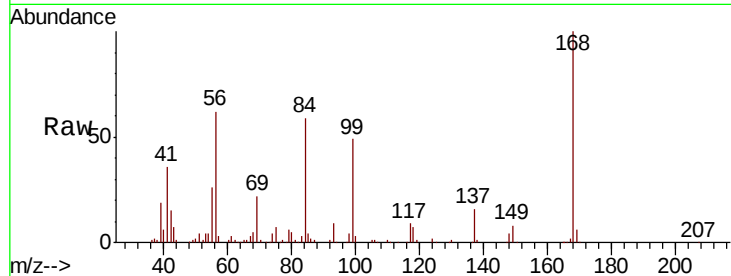
ClientSampleId :

Tot Ion:168 Resp: 442085

Ion Ratio Lower Upper

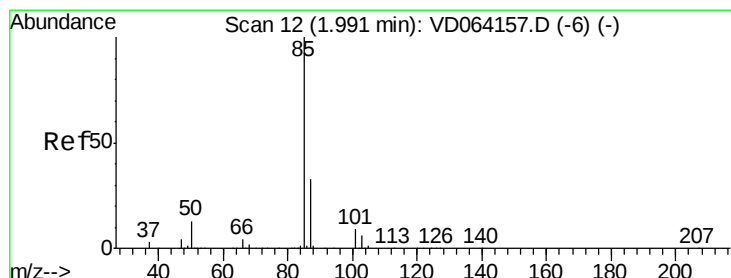
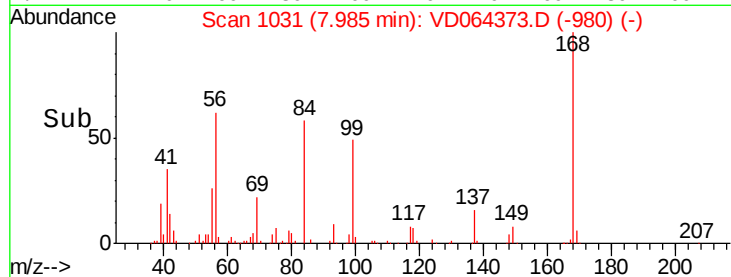
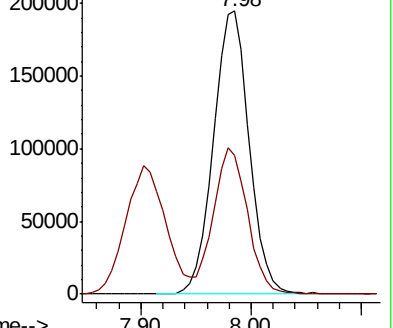
168 100

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: 37.564 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064373.D

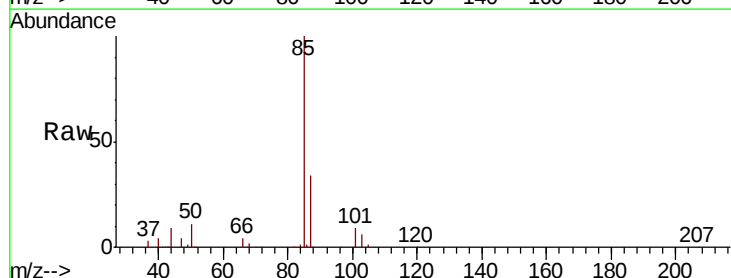
Acq: 25 Nov 2019 21:17

Tgt Ion: 85 Resp: 137731

Ion Ratio Lower Upper

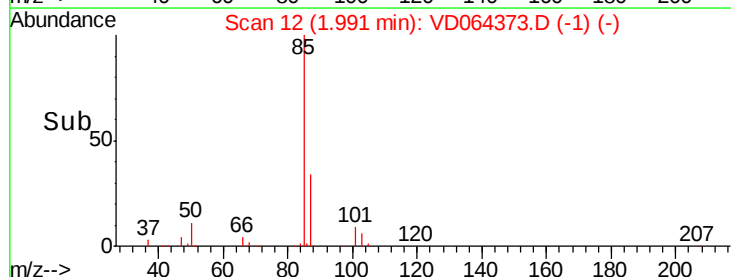
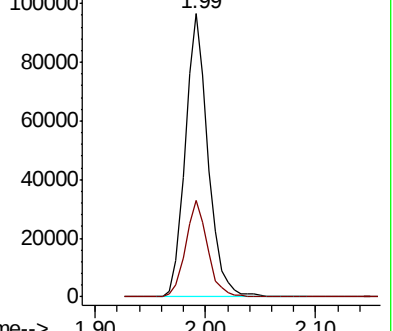
85 100

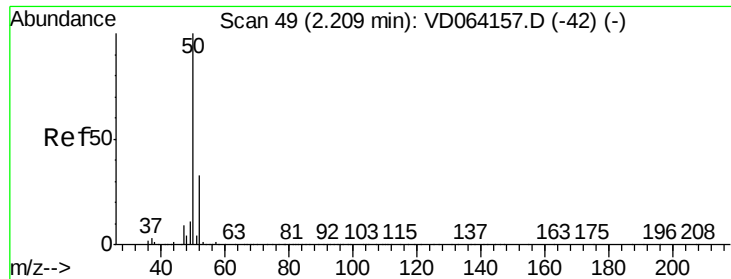
87 34.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.048 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

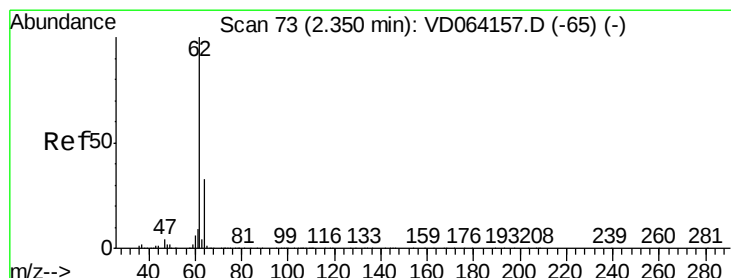
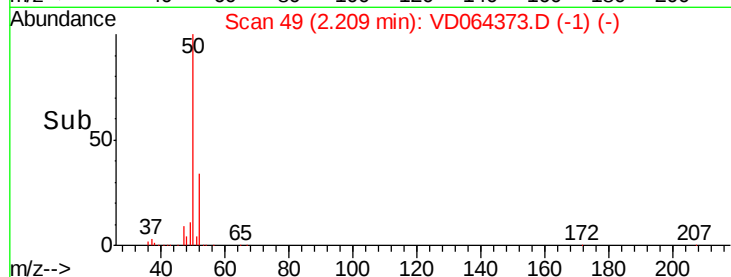
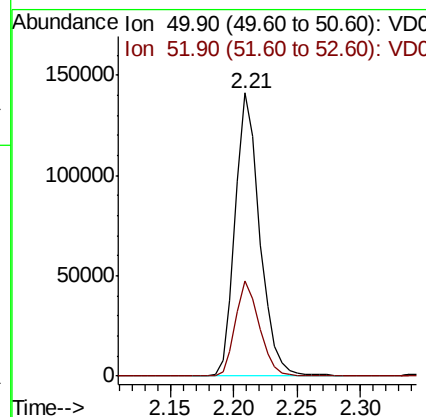
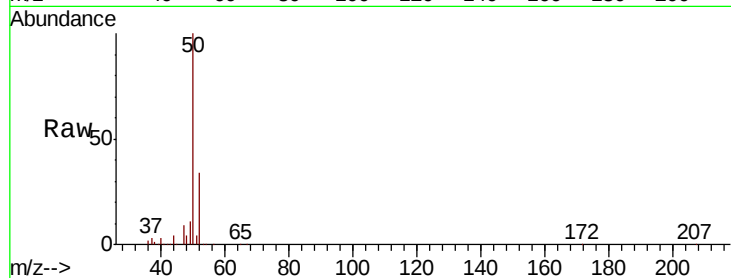
ClientSampleId :

Tot Ion: 50 Resp: 188964

Ion Ratio Lower Upper

50 100

52 33.6 26.2 39.4



#4

Vinyl Chloride

Concen: 54.463 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064373.D

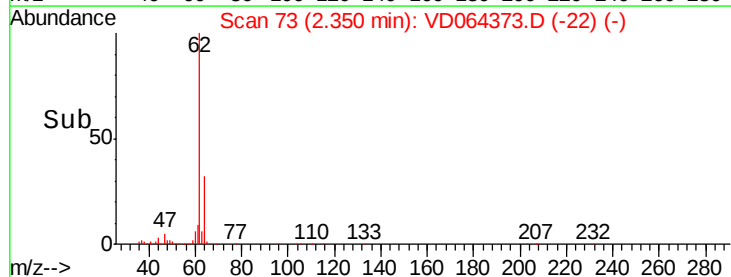
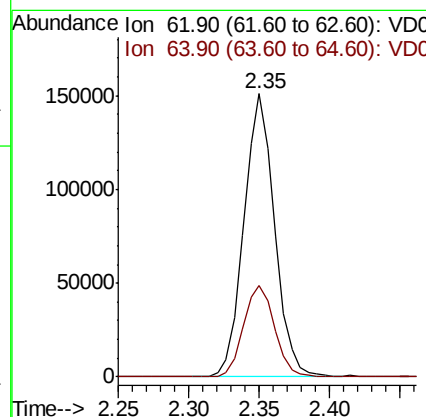
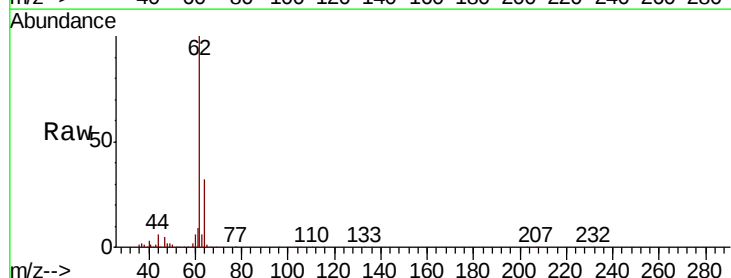
Acq: 25 Nov 2019 21:17

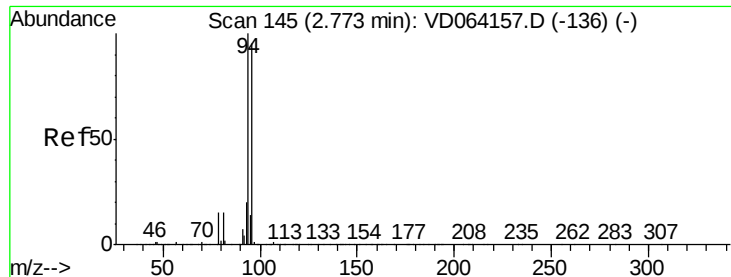
Tgt Ion: 62 Resp: 229052

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.2





#5

Bromomethane

Concen: 61.364 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

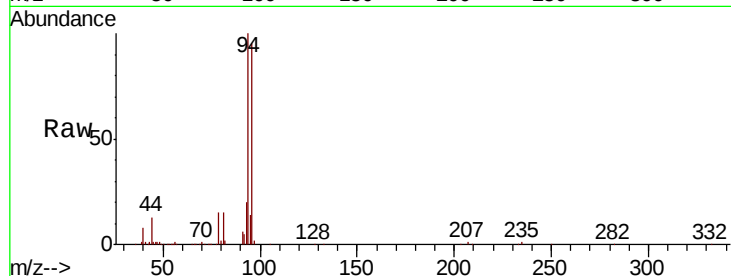
ClientSampleId :

Tot Ion: 94 Resp: 162961

Ion Ratio Lower Upper

94 100

96 94.6 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

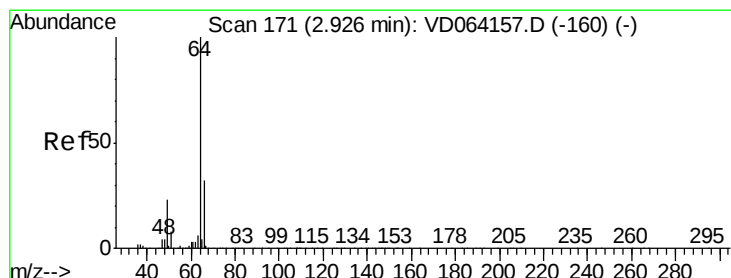
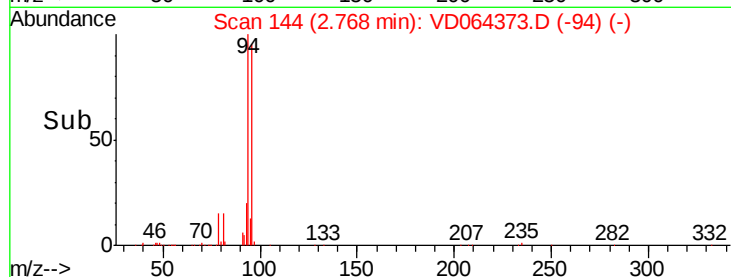
40000

20000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 63.708 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064373.D

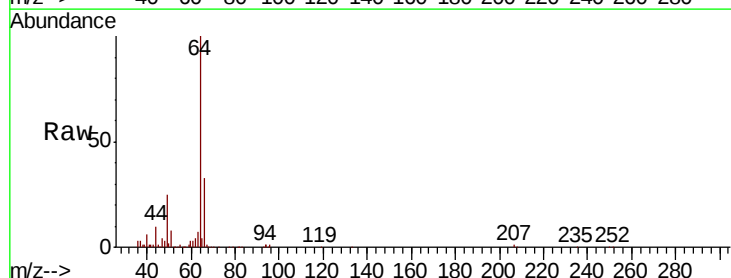
Acq: 25 Nov 2019 21:17

Tgt Ion: 64 Resp: 171205

Ion Ratio Lower Upper

64 100

66 33.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

100000

80000

60000

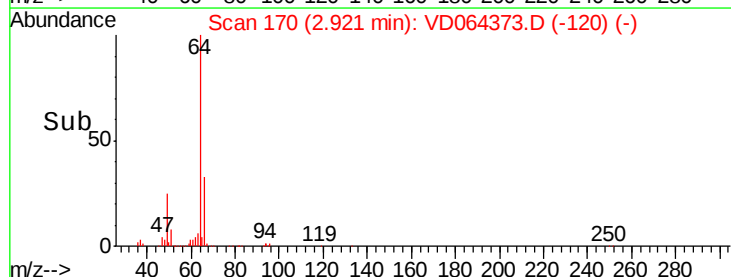
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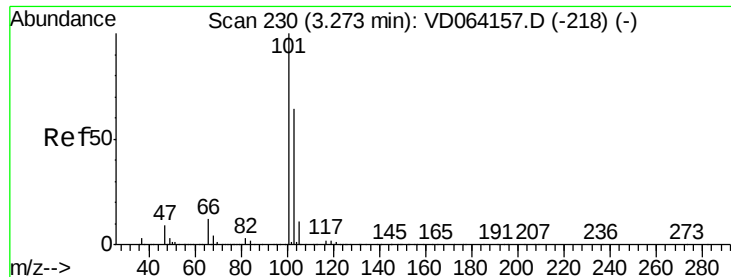
20000

0

Time-->

2.80 2.90 3.00



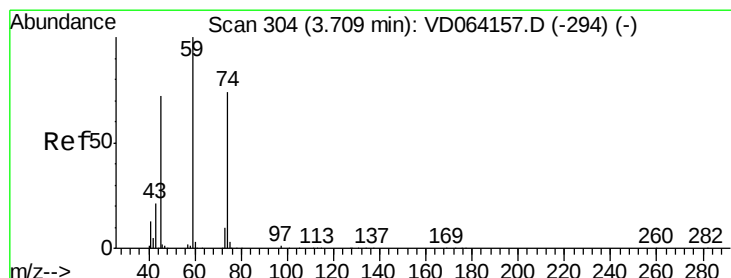
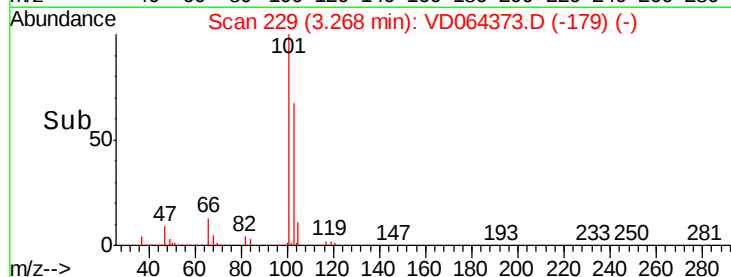
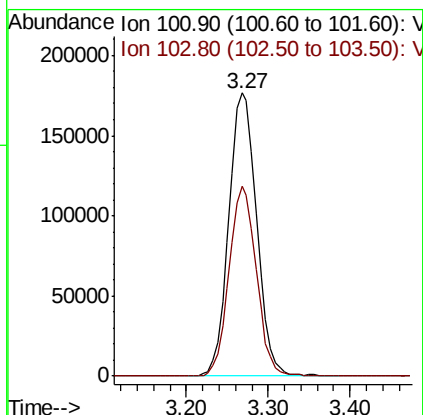
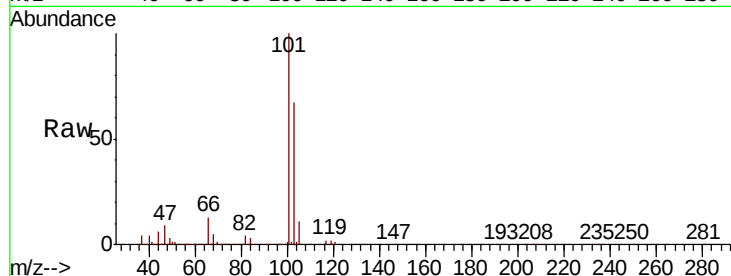


#7

Trichlorofluoromethane
 Concen: 61.413 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :

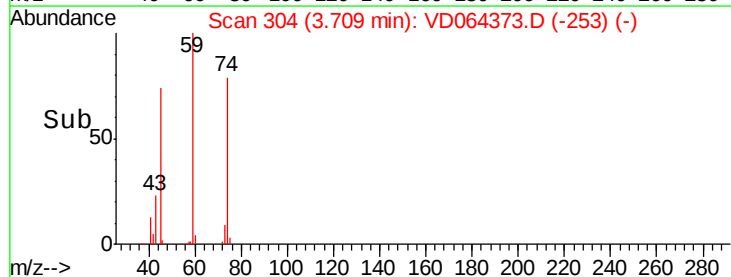
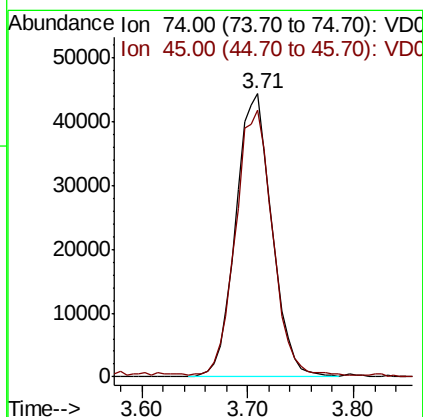
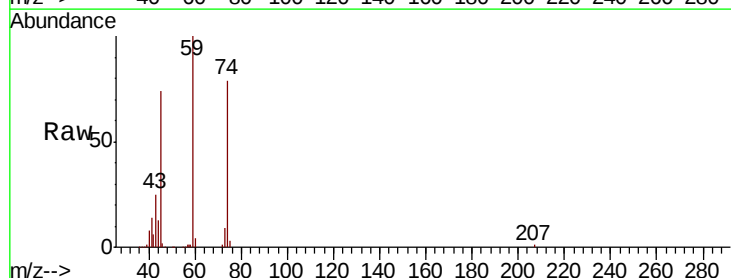
Tot Ion:101 Resp: 418746
 Ion Ratio Lower Upper
 101 100
 103 67.0 50.8 76.2

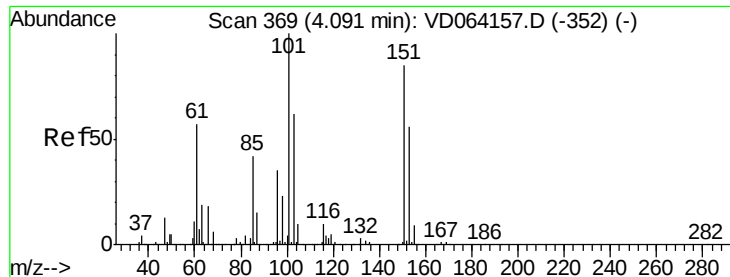


#8

Diethyl Ether
 Concen: 56.115 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion: 74 Resp: 105206
 Ion Ratio Lower Upper
 74 100
 45 95.1 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.783 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

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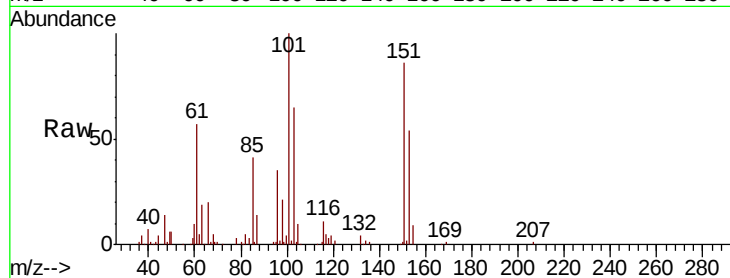
Tot Ion:101 Resp: 194017

Ion Ratio Lower Upper

101 100

85 43.3 34.4 51.6

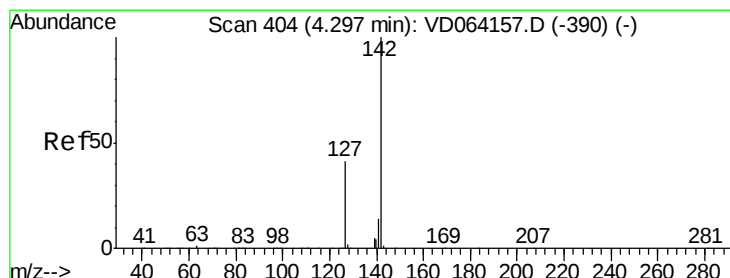
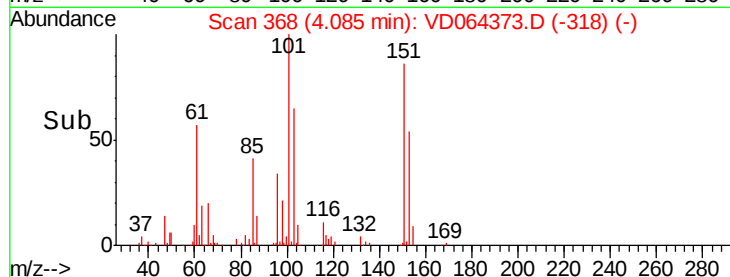
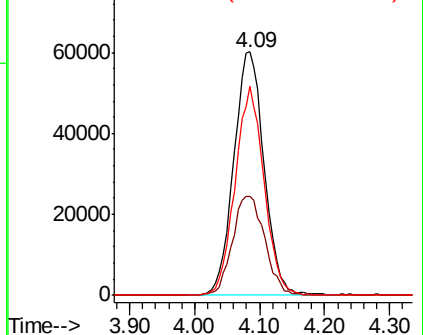
151 81.9 68.1 102.1



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: 45.352 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

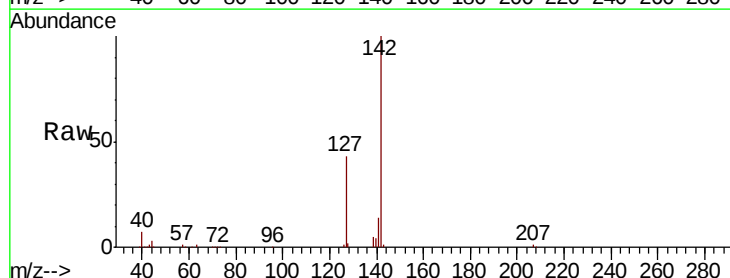
Tgt Ion:142 Resp: 200882

Ion Ratio Lower Upper

142 100

127 43.6 34.4 51.6

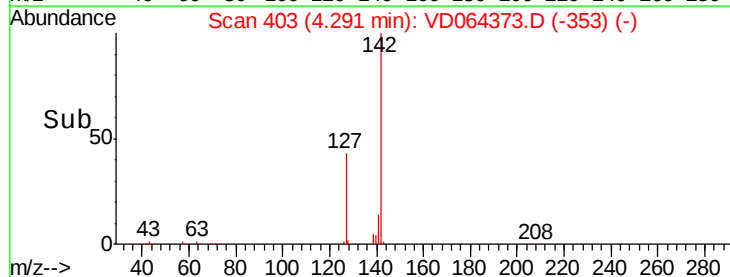
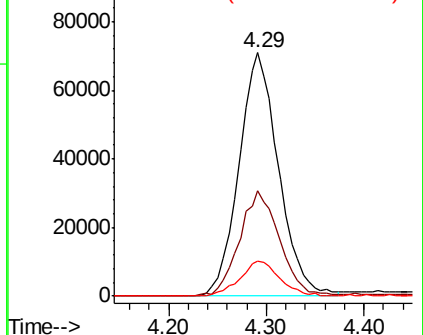
141 14.6 11.2 16.8

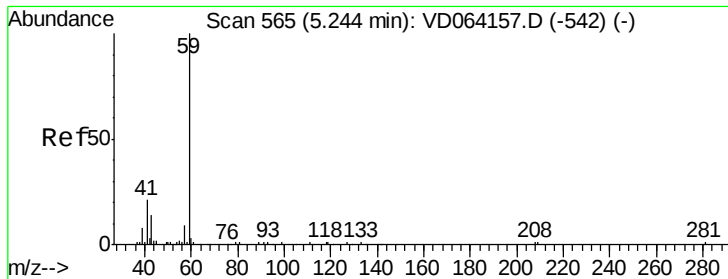


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



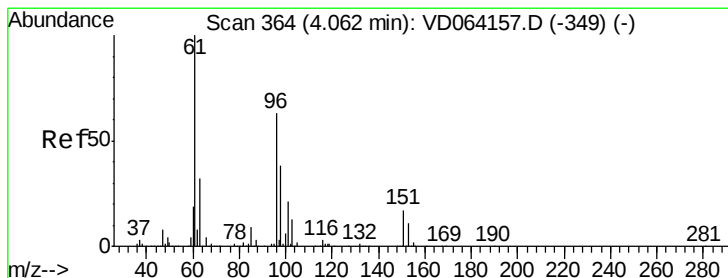
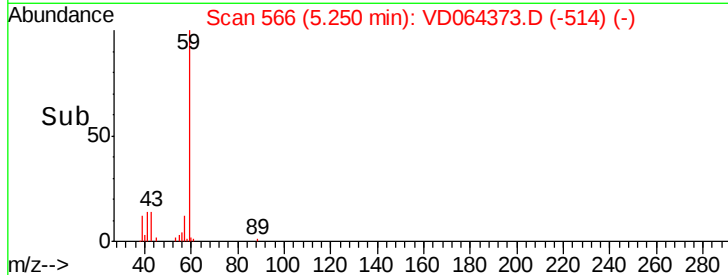
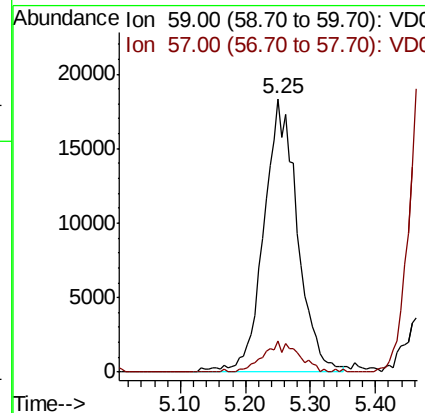
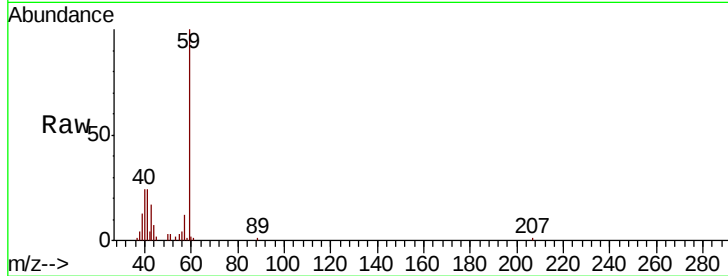


#11

Tert butyl alcohol
 Concen: 257.369 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :

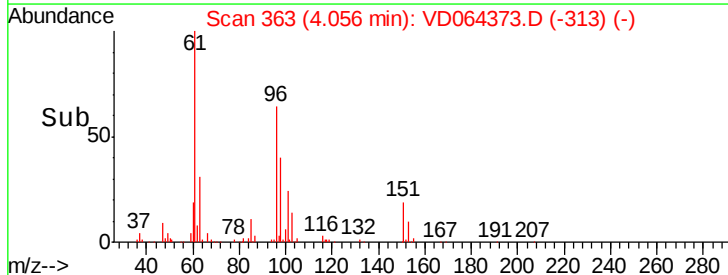
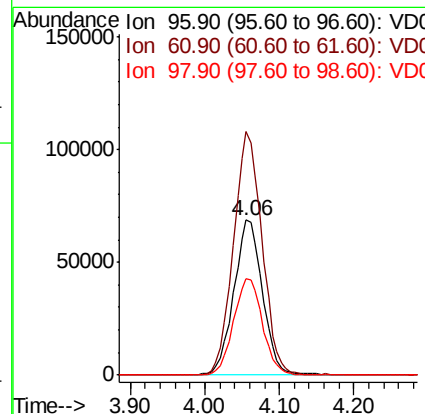
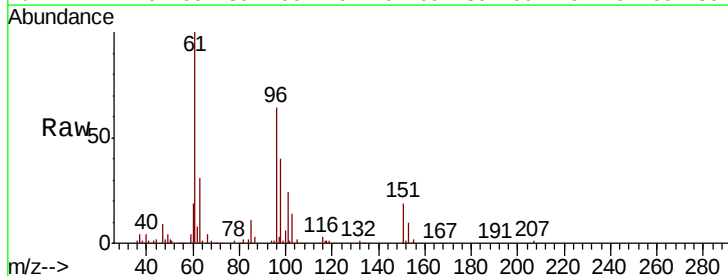
Tot Ion: 59 Resp: 65359
 Ion Ratio Lower Upper
 59 100
 57 6.3 9.4 14.2#

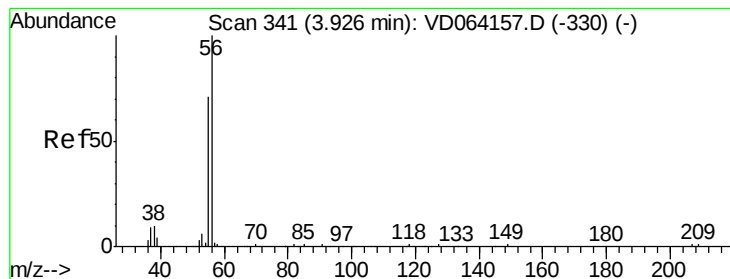


#12

1,1-Dichloroethene
 Concen: 49.382 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion: 96 Resp: 183442
 Ion Ratio Lower Upper
 96 100
 61 157.0 127.4 191.2
 98 62.2 48.1 72.1





#13

Acrolein

Concen: 314.621 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

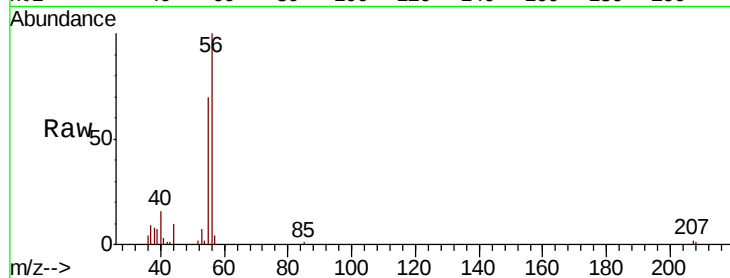
ClientSampleId :

Tot Ion: 56 Resp: 67592

Ion Ratio Lower Upper

56 100

55 72.8 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

25000

20000

15000

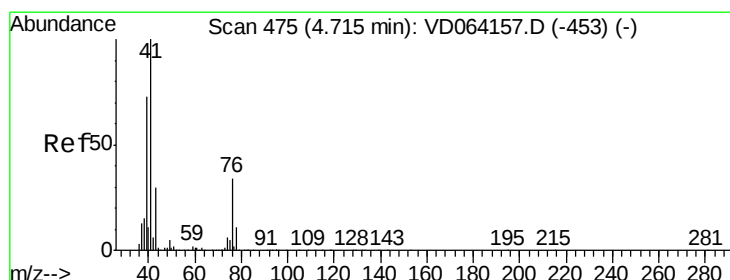
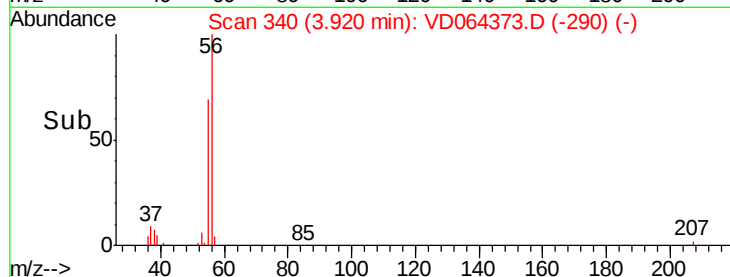
10000

5000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 46.457 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

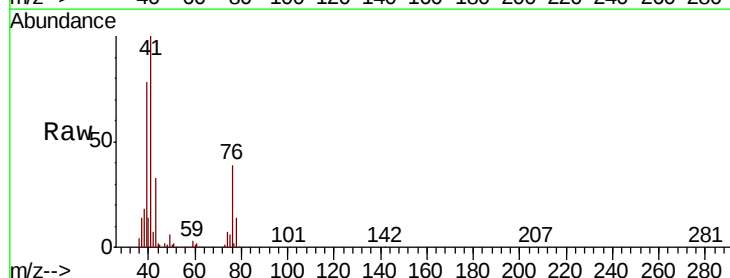
Tgt Ion: 41 Resp: 305131

Ion Ratio Lower Upper

41 100

39 75.4 57.5 86.3

76 36.7 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

120000

100000

80000

60000

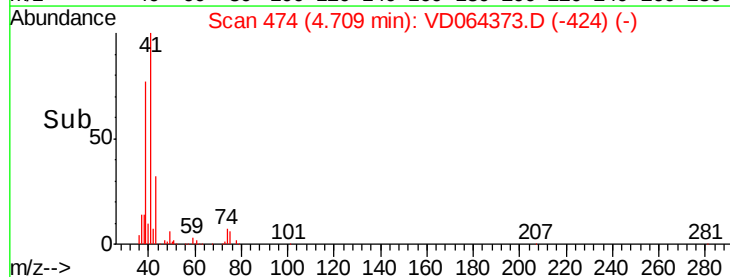
40000

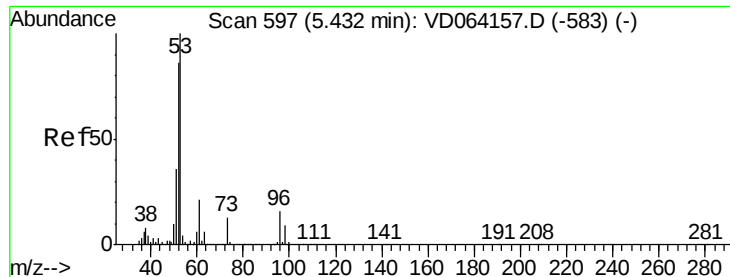
20000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 293.145 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

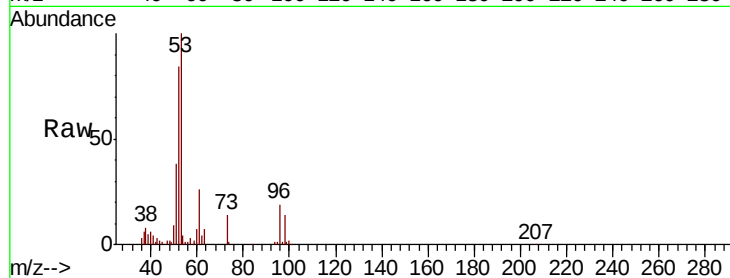
Tot Ion: 53 Resp: 234301

Ion Ratio Lower Upper

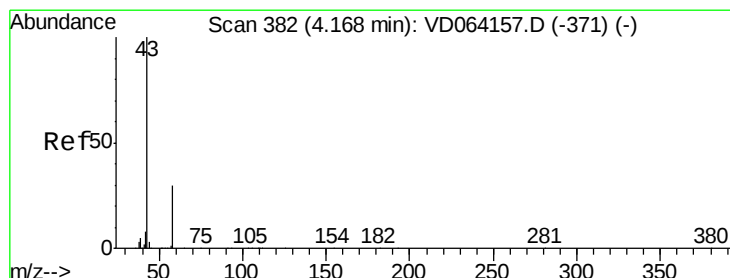
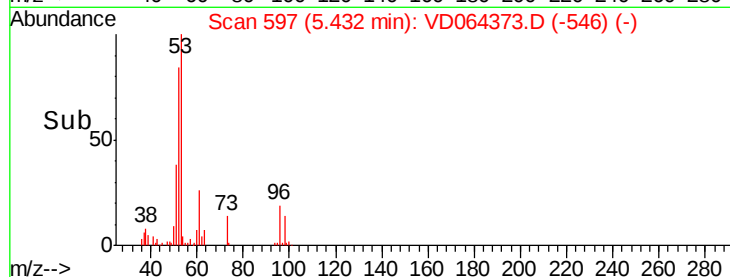
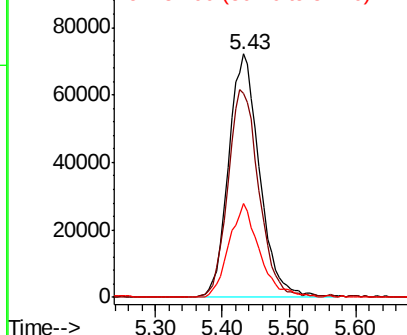
53 100

52 85.2 66.7 100.1

51 38.0 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: 211.791 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064373.D

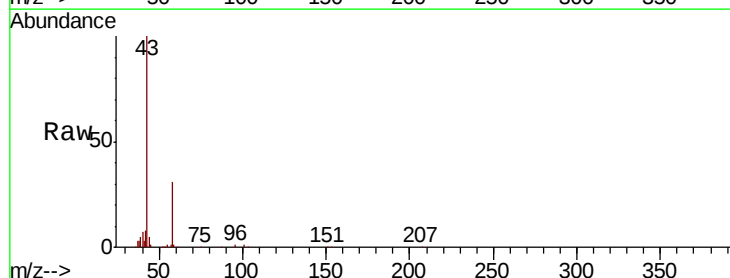
Acq: 25 Nov 2019 21:17

Tgt Ion: 43 Resp: 182425

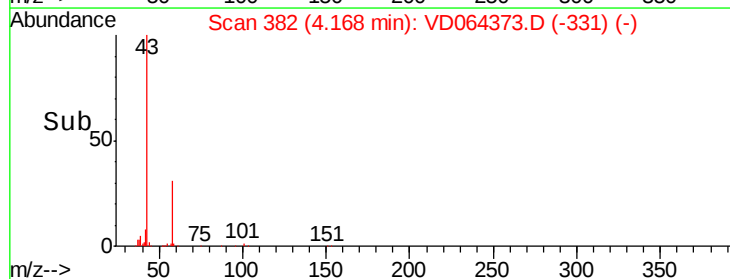
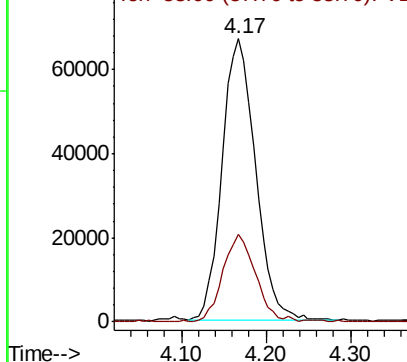
Ion Ratio Lower Upper

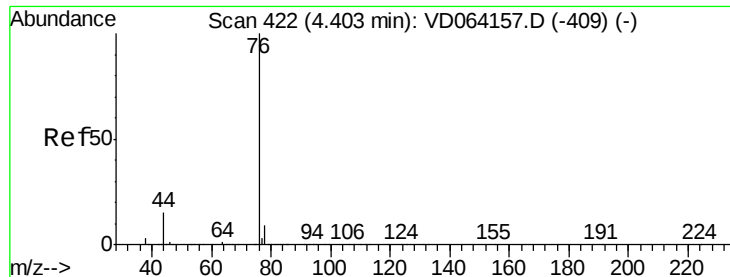
43 100

58 31.0 24.1 36.1



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

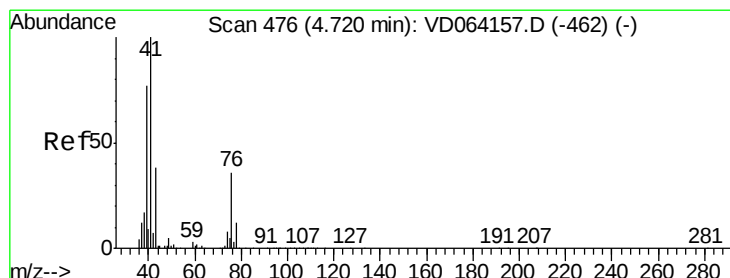
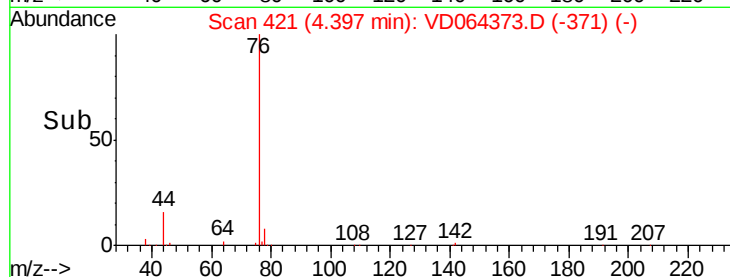
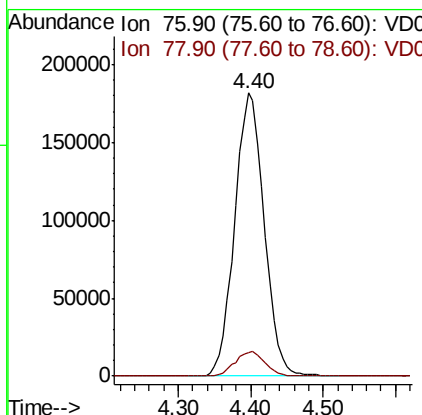
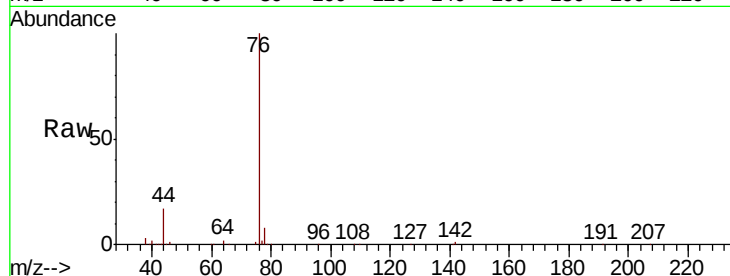




#17
Carbon Disulfide
Concen: 44.465 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

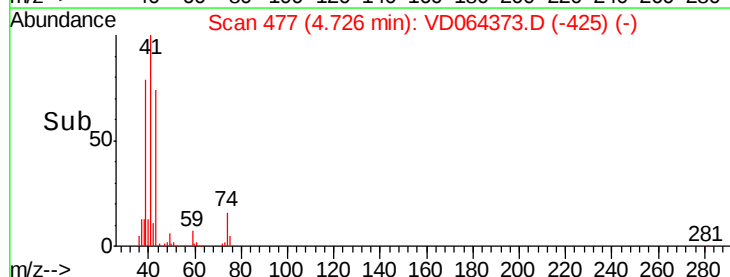
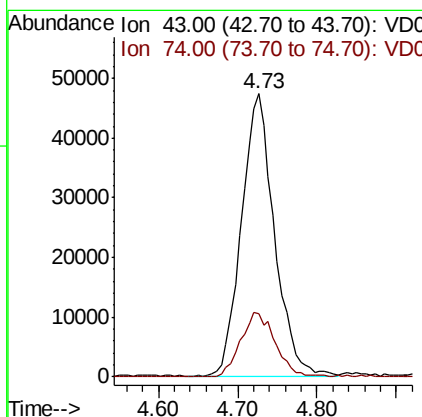
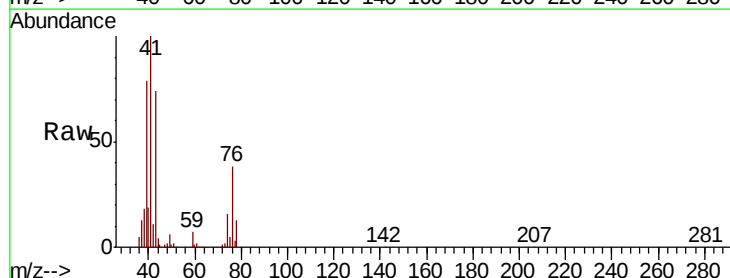
Instrument :
MSVOA_D
ClientSampleId :

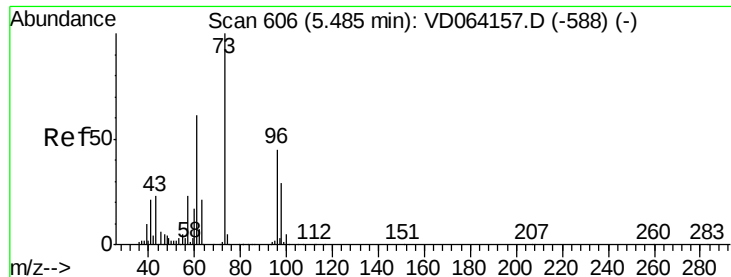
Tot Ion: 76 Resp: 514387
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8



#18
Methyl Acetate
Concen: 57.377 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 43 Resp: 138035
Ion Ratio Lower Upper
43 100
74 23.7 18.4 27.6

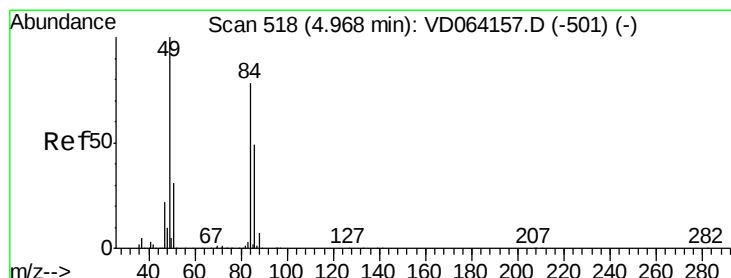
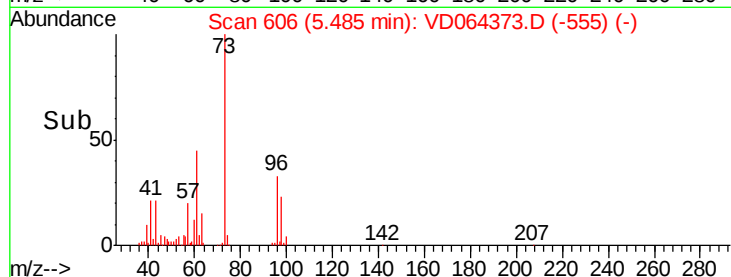
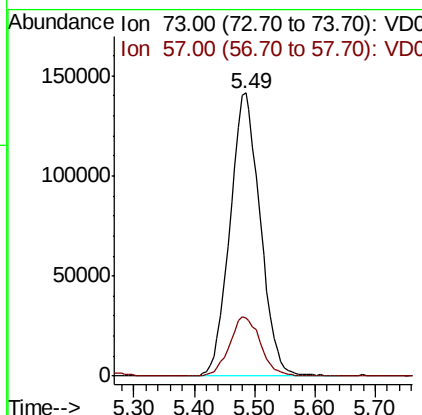
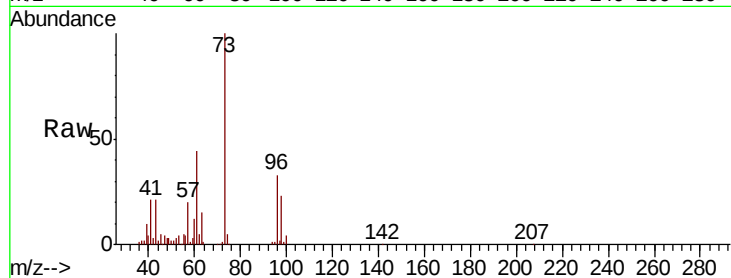




#19
Methvl tert-butvl Ether
Concen: 55.486 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

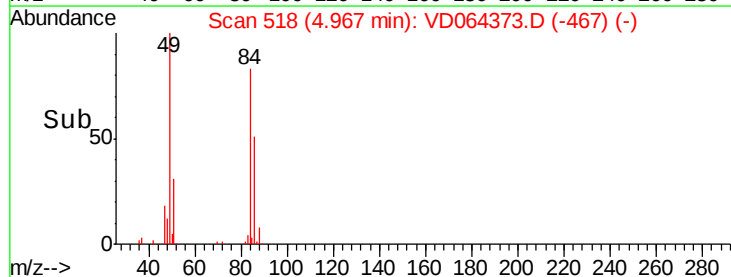
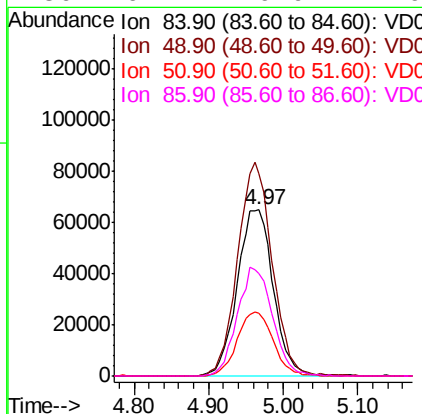
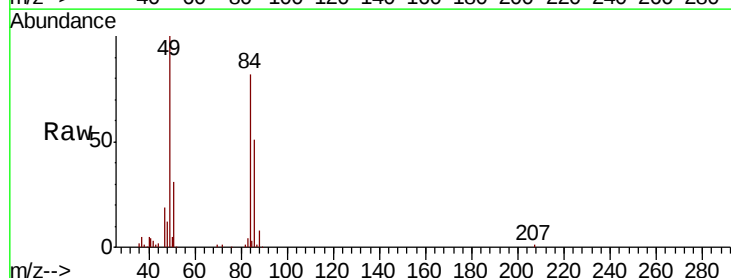
Instrument :
MSVOA_D
ClientSampleId :

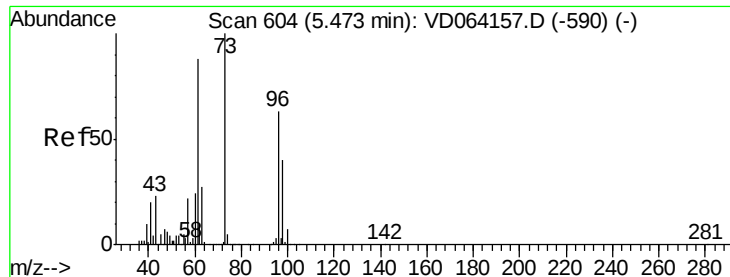
Tot Ion: 73 Resp: 492055
Ion Ratio Lower Upper
73 100
57 20.4 18.4 27.6



#20
Methylene Chloride
Concen: 50.135 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 84 Resp: 218134
Ion Ratio Lower Upper
84 100
49 121.6 102.1 153.1
51 37.5 32.2 48.2
86 61.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 50.601 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

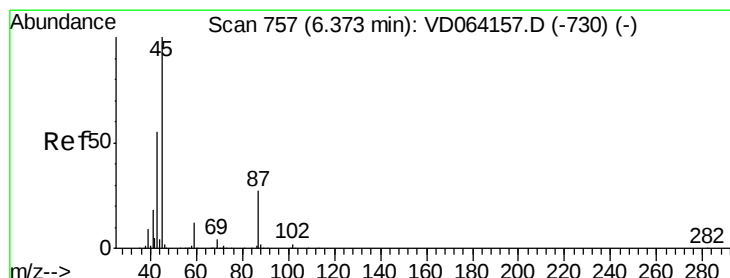
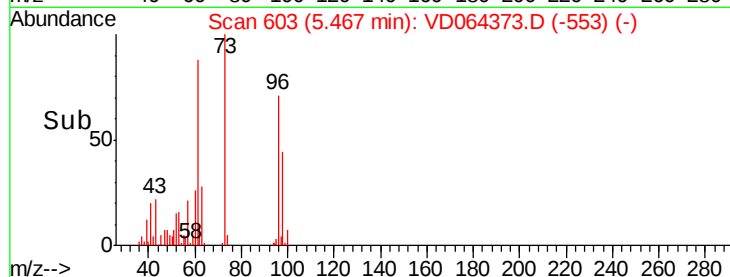
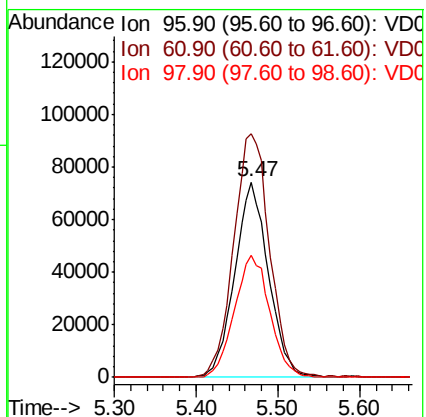
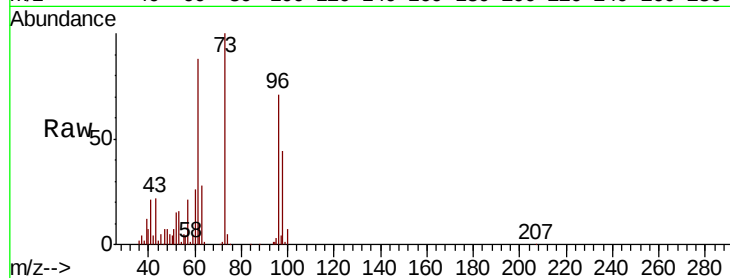
Tot Ion: 96 Resp: 212965

Ion Ratio Lower Upper

96 100

61 124.9 111.8 167.6

98 62.8 50.3 75.5



#22

Diisopropyl ether

Concen: 53.012 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Tgt Ion: 45 Resp: 646024

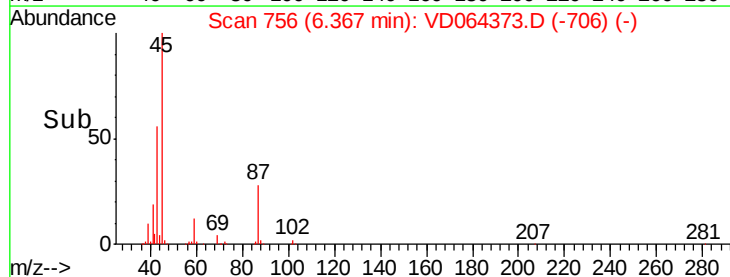
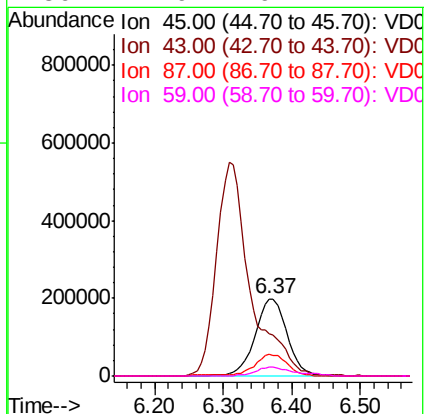
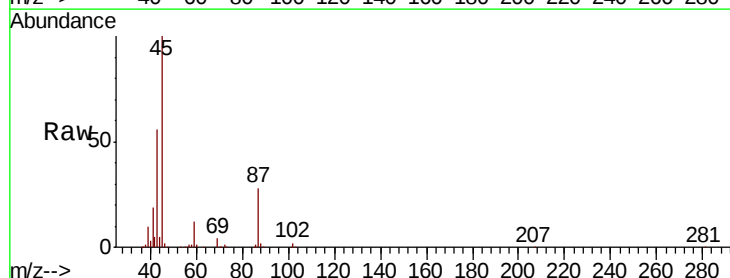
Ion Ratio Lower Upper

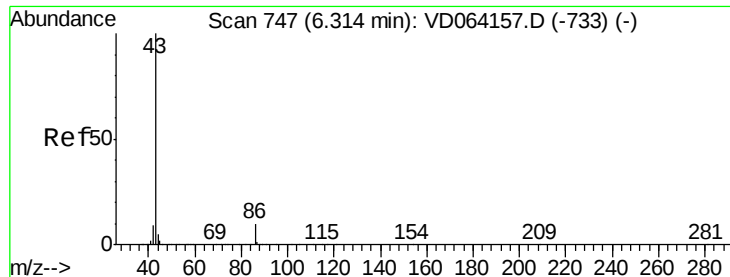
45 100

43 54.9 44.4 66.6

87 28.3 21.9 32.9

59 11.9 9.4 14.2

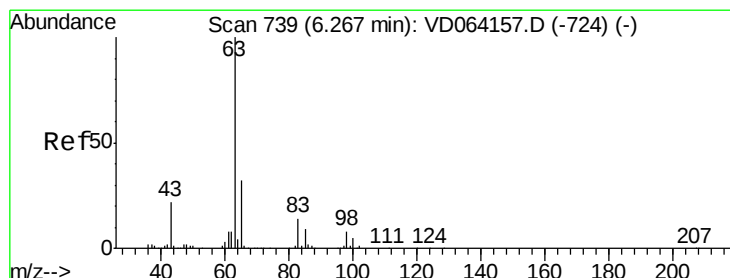
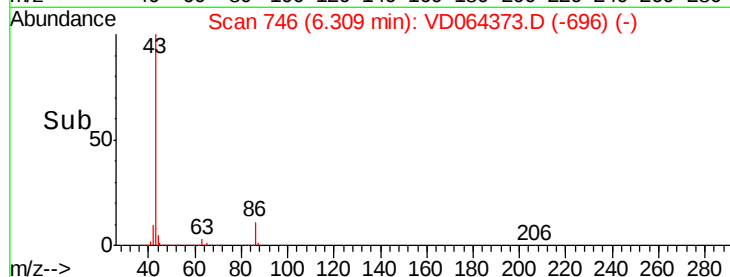
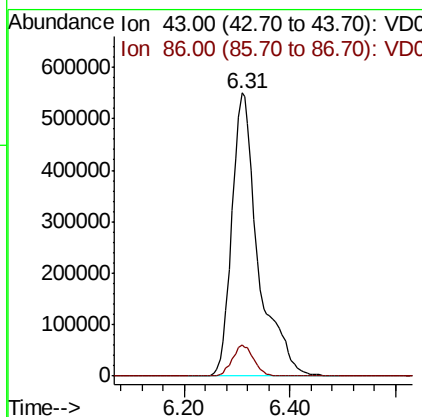
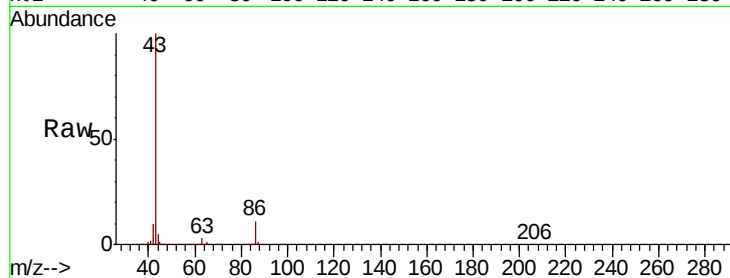




#23
 Vinyl Acetate
 Concen: 279.020 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

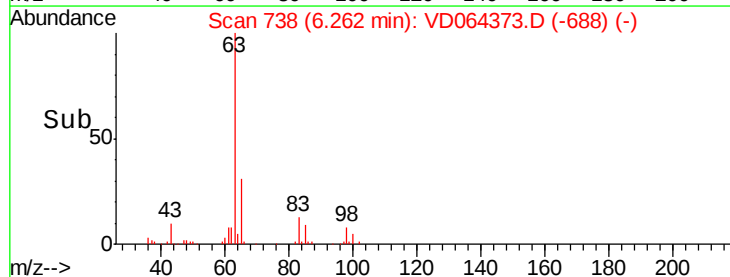
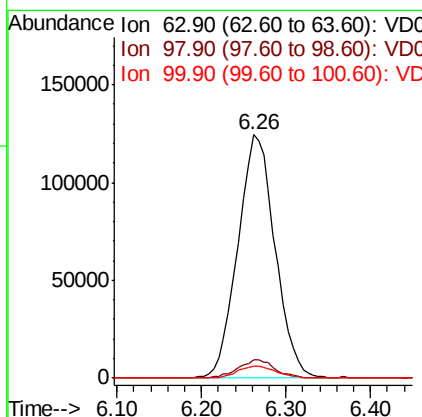
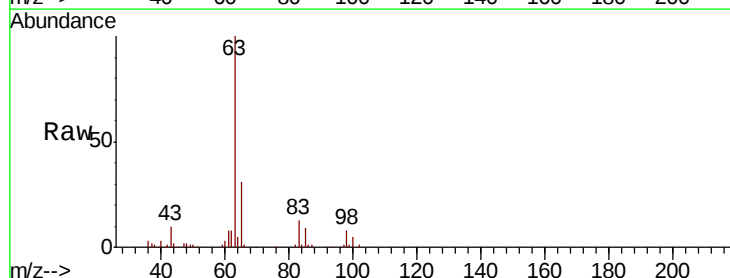
Instrument :
 MSVOA_D
 ClientSampleID :

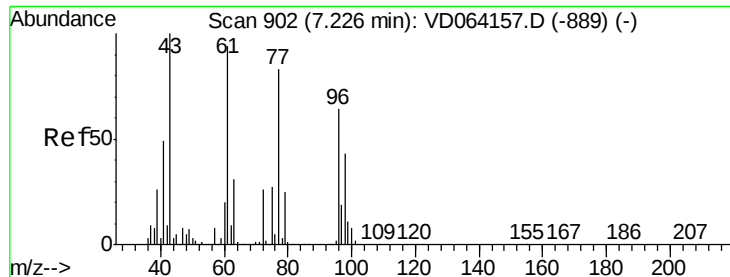
Tot Ion: 43 Resp: 1895387
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 53.856 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion: 63 Resp: 381074
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.8 11.4
 100 4.9 2.4 7.2





#25

2-Butanone

Concen: 257.353 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

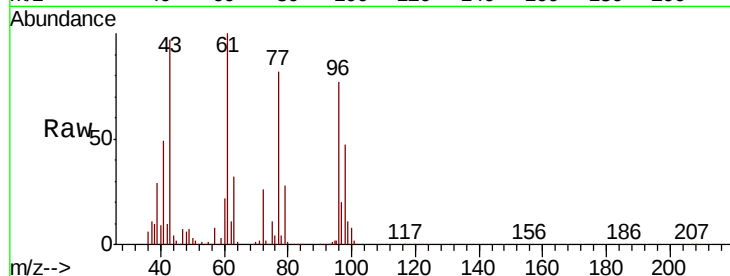
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 286385

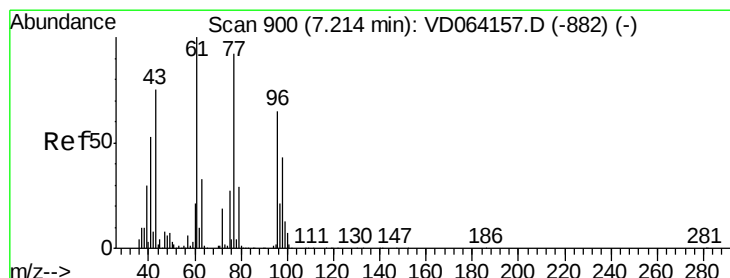
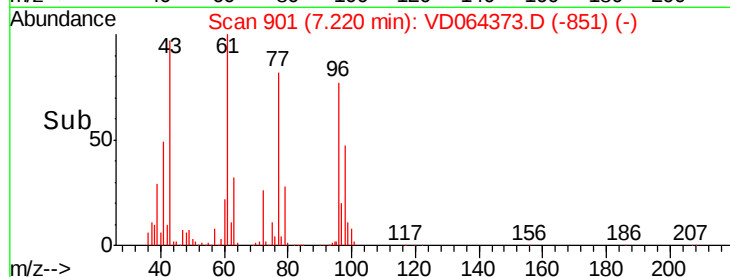
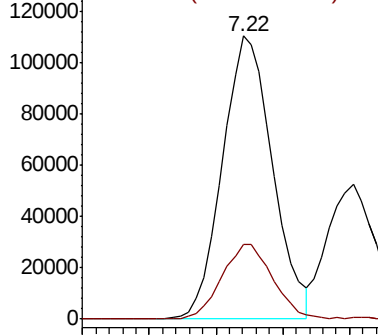
Ion Ratio Lower Upper

43 100

72 26.5 20.6 30.8



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



#26

2,2-Dichloropropane

Concen: 45.136 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064373.D

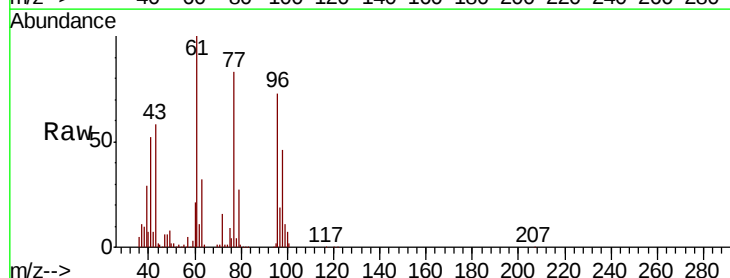
Acq: 25 Nov 2019 21:17

Tgt Ion: 77 Resp: 313203

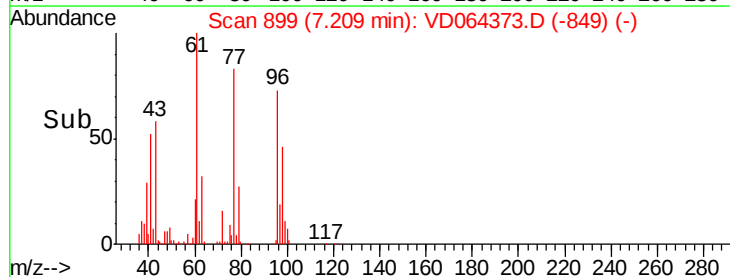
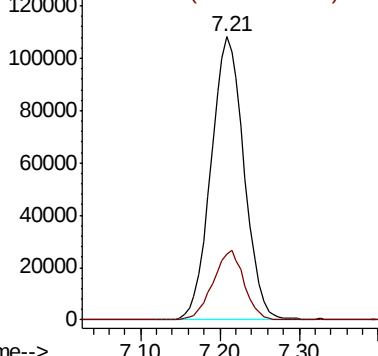
Ion Ratio Lower Upper

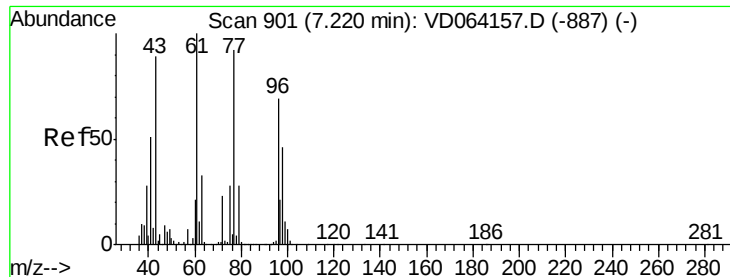
77 100

97 23.2 11.1 33.3



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



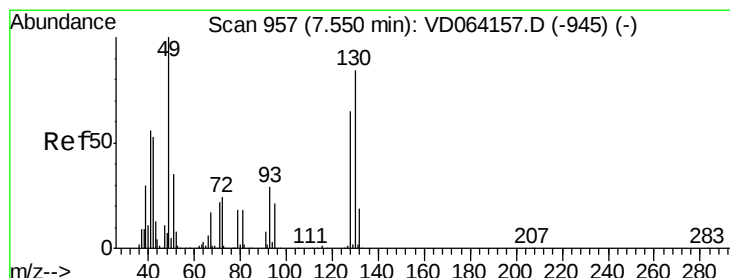
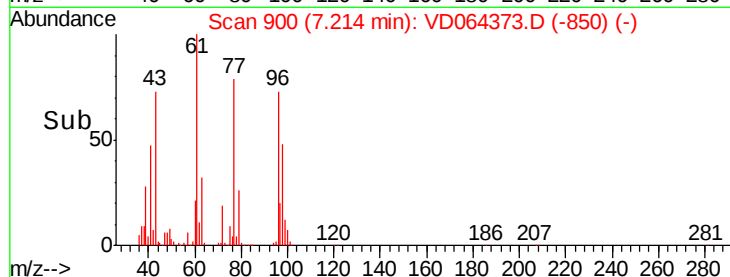
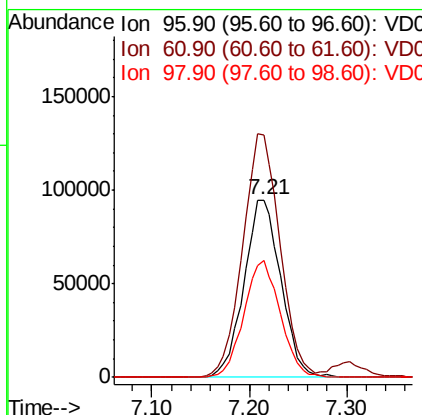
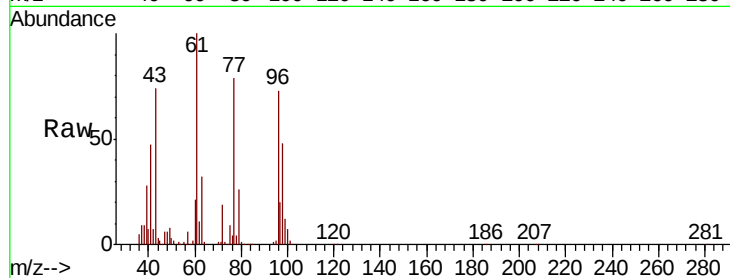


#27

cis-1,2-Dichloroethene
Concen: 55.535 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :

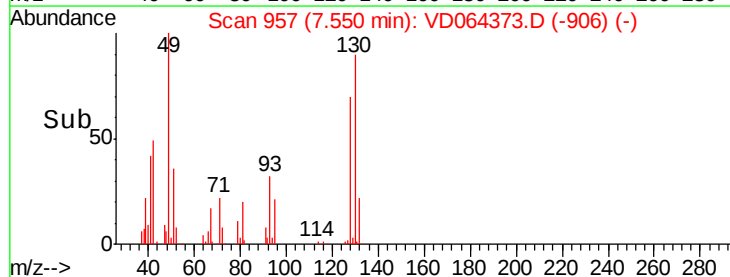
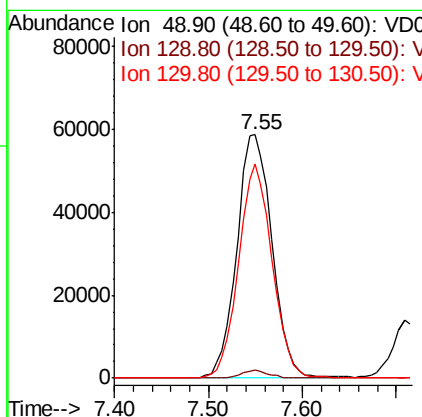
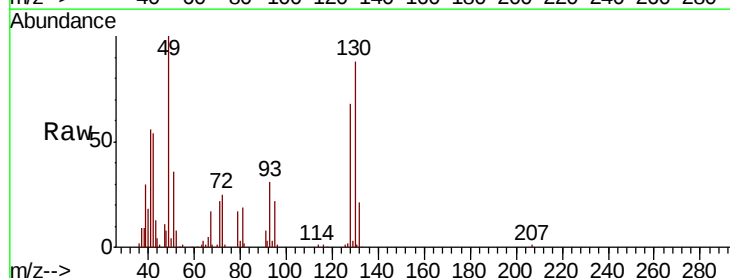
Tot Ion	96	Resp	250649
Ion Ratio	Lower	Upper	
96	100		
61	138.8	0.0	301.4
98	64.8	0.0	133.2

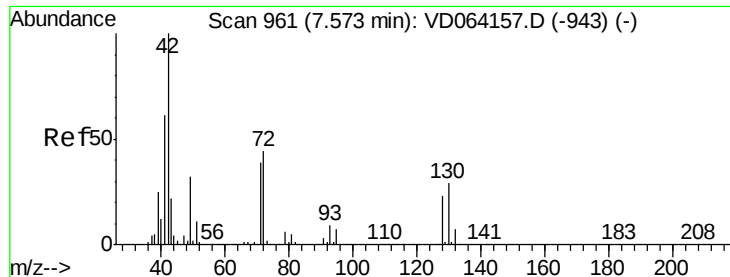


#28

Bromochloromethane
Concen: 61.887 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	49	Resp	152454
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	4.4
130	83.6	66.8	100.2

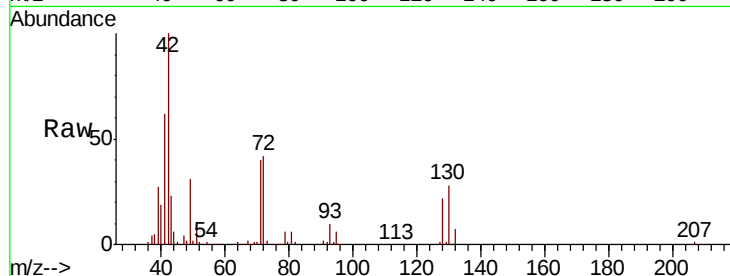




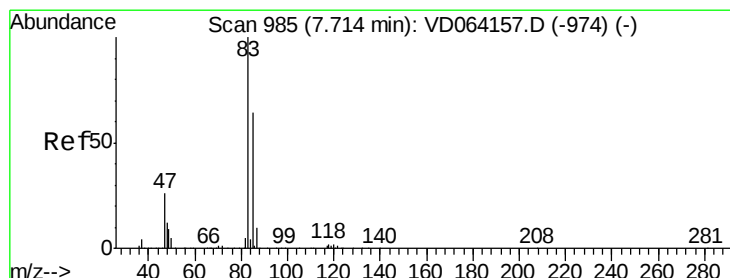
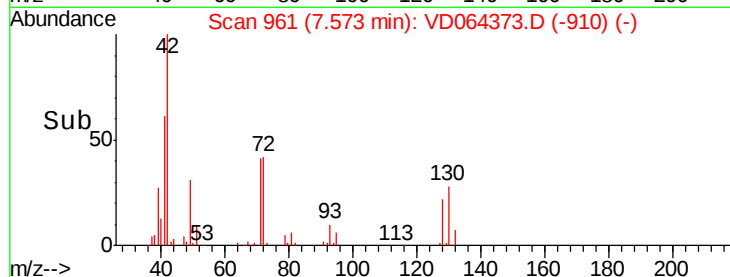
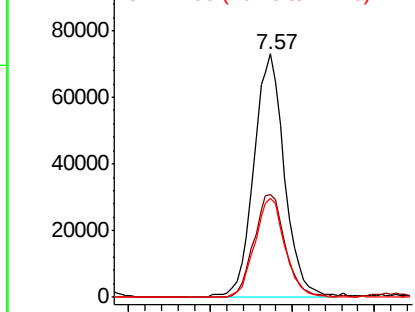
#29
Tetrahydrofuran
Concen: 284.384 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 190139
Ion Ratio Lower Upper
42 100
72 43.3 33.4 50.2
71 40.3 31.0 46.4

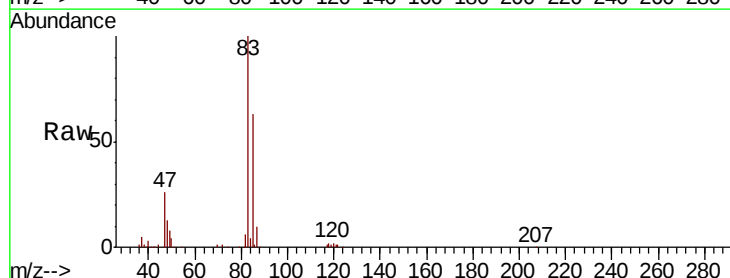


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

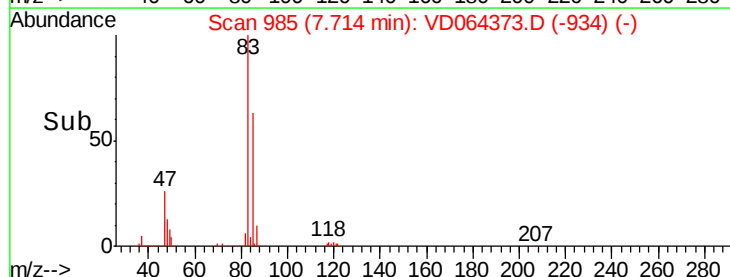
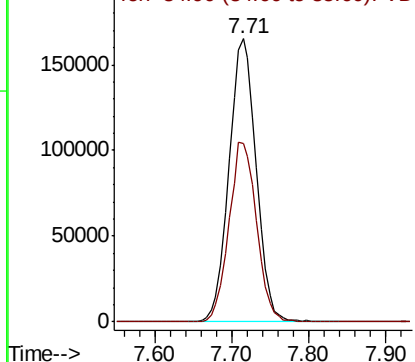


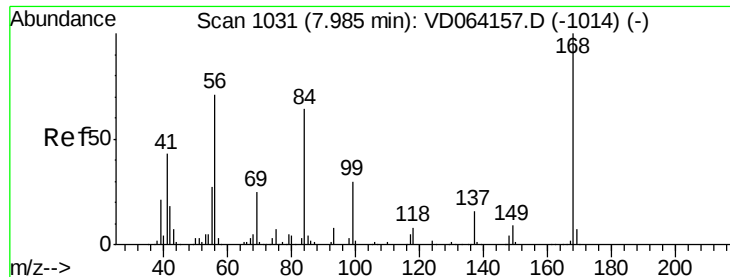
#30
Chloroform
Concen: 56.313 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 83 Resp: 407584
Ion Ratio Lower Upper
83 100
85 63.2 51.4 77.0



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

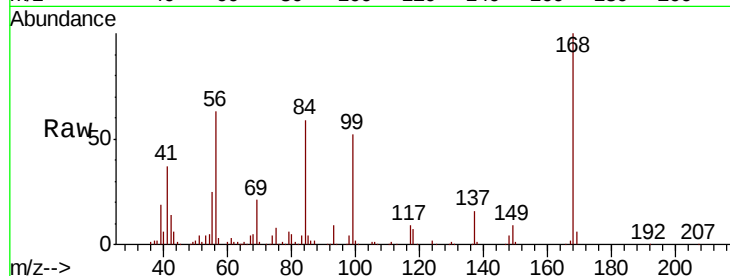




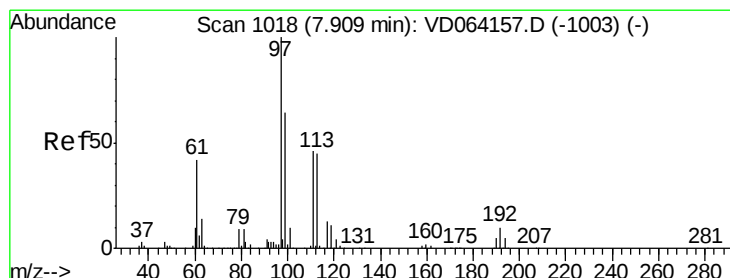
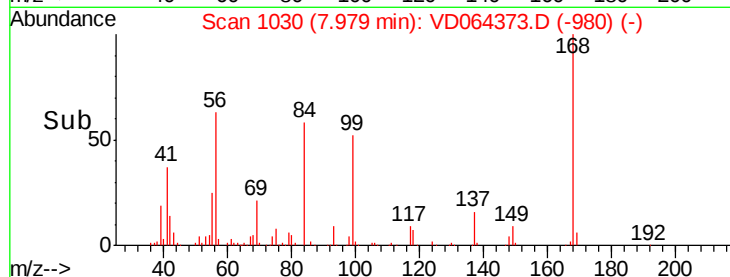
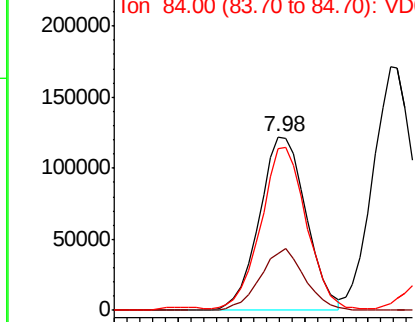
#31
Cyclohexane
Concen: 43.947 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 313611
Ion Ratio Lower Upper
56 100
69 32.9 28.2 42.4
84 91.6 71.8 107.6

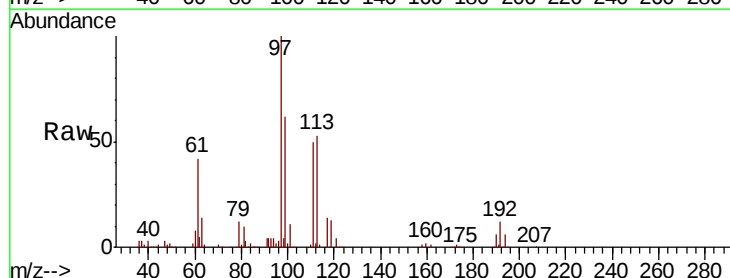


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

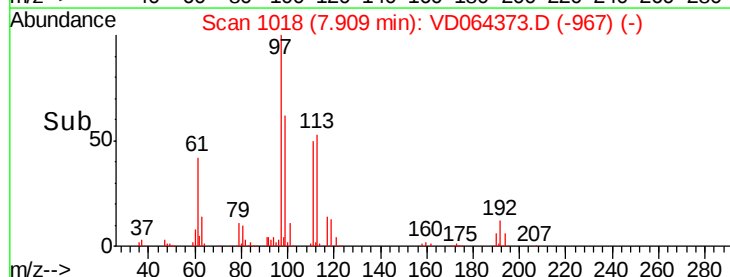
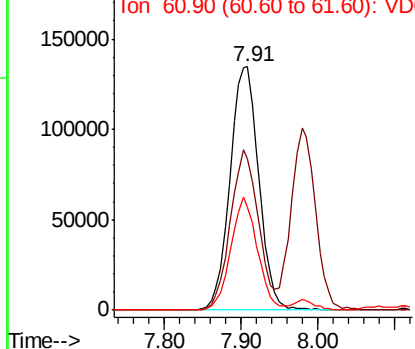


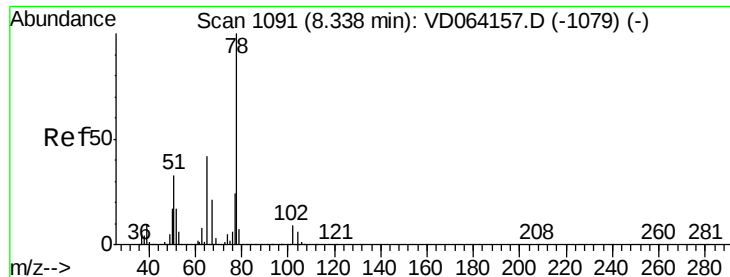
#32
1,1,1-Trichloroethane
Concen: 50.818 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 97 Resp: 352188
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 42.8 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: 55.076 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

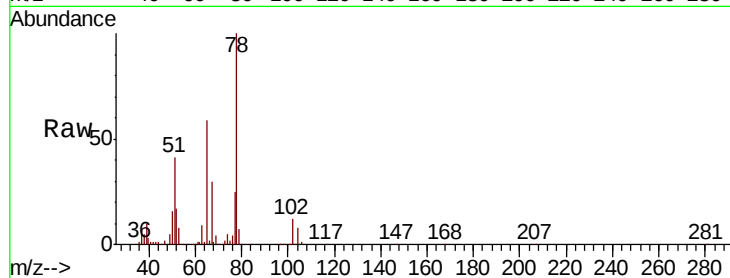
ClientSampleId :

Tot Ion: 65 Resp: 200251

Ion Ratio Lower Upper

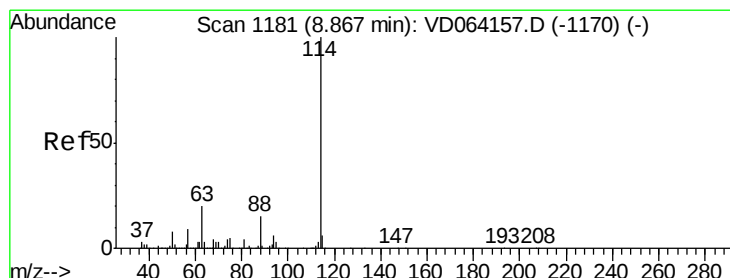
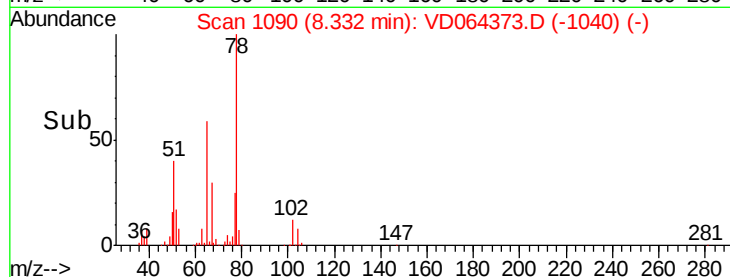
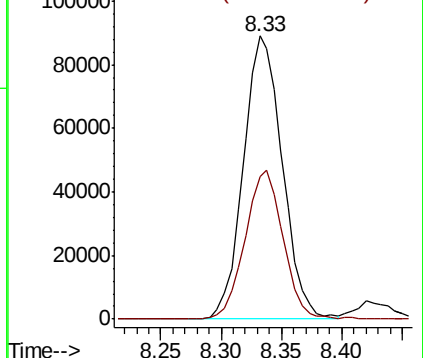
65 100

67 51.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

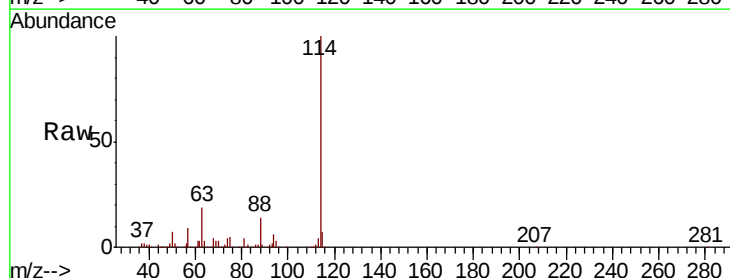
Tgt Ion: 114 Resp: 667298

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

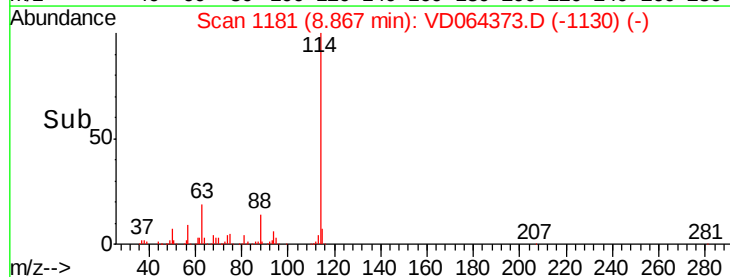
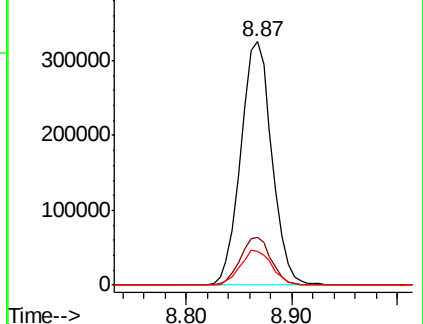
88 14.0 0.0 30.2

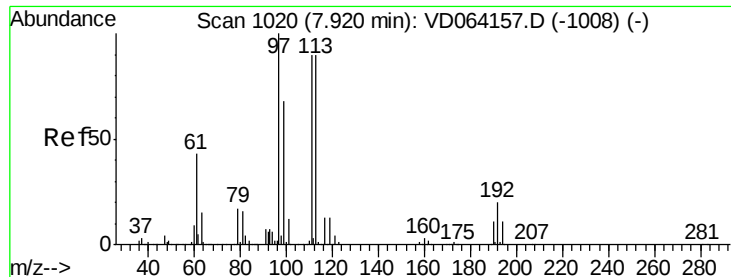


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

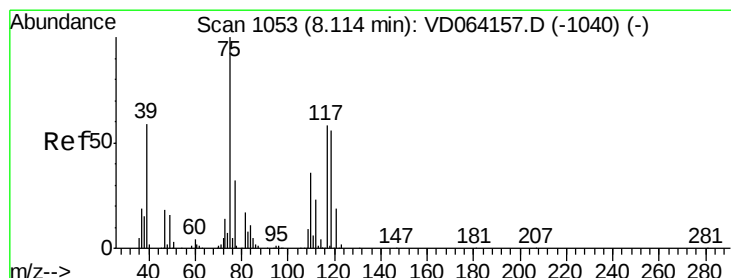
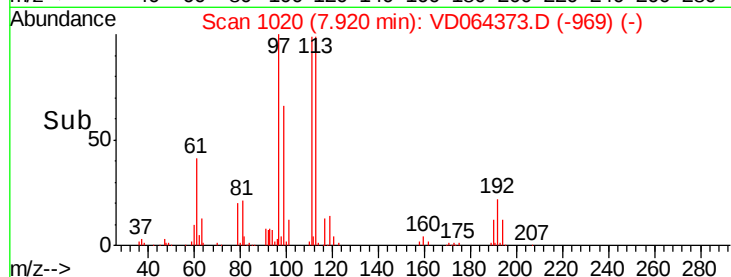
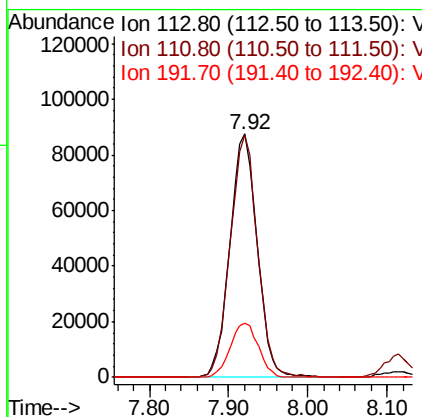
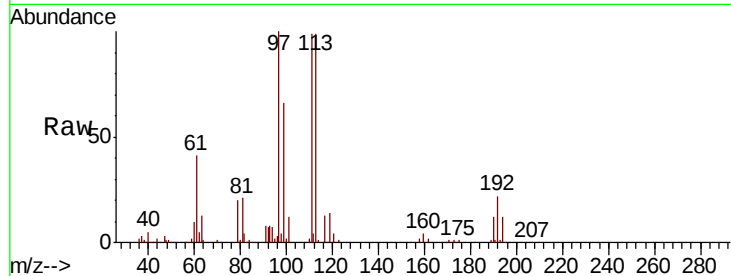




#35
 Dibromofluoromethane
 Concen: 54.456 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

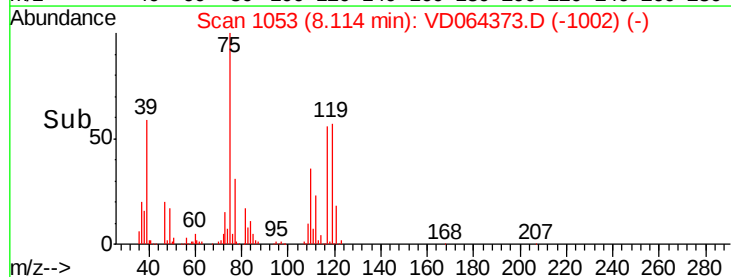
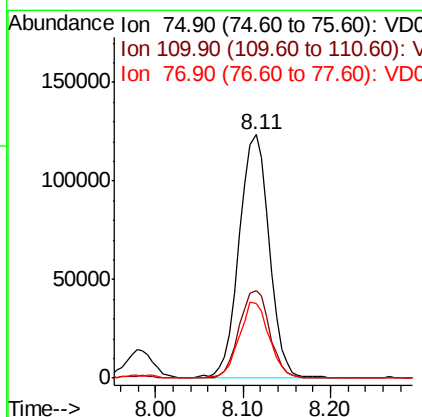
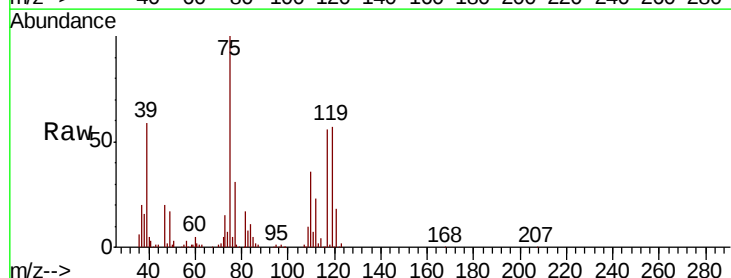
Instrument :
 MSVOA_D
 ClientSampleId :

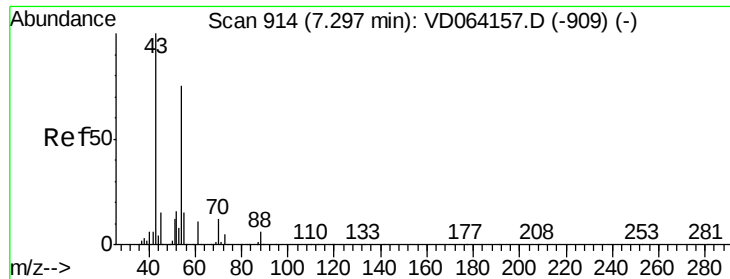
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.6	81.5	122.3
192	23.1	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 46.735 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.3	54.9
77	31.1	25.0	37.6

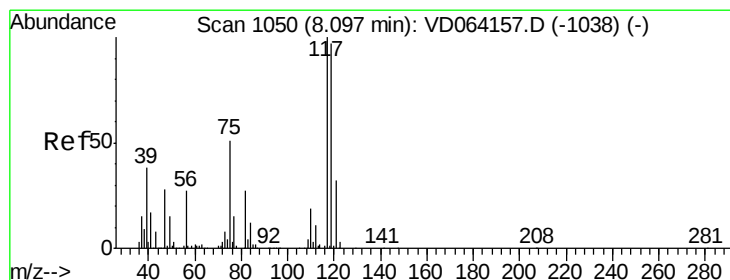
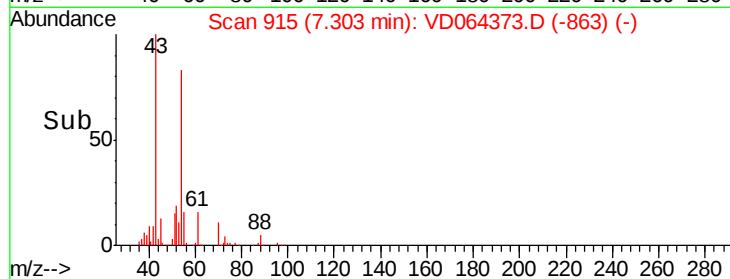
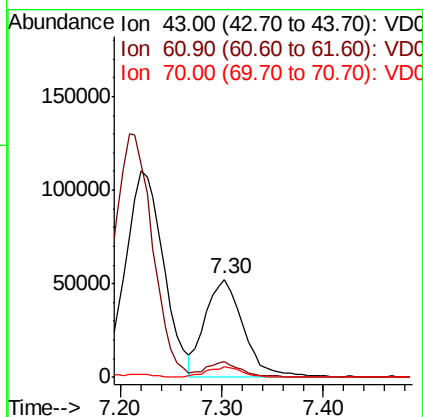
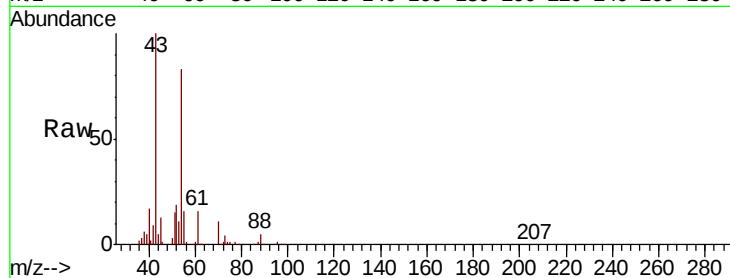




#37
Ethyl Acetate
Concen: 52.306 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

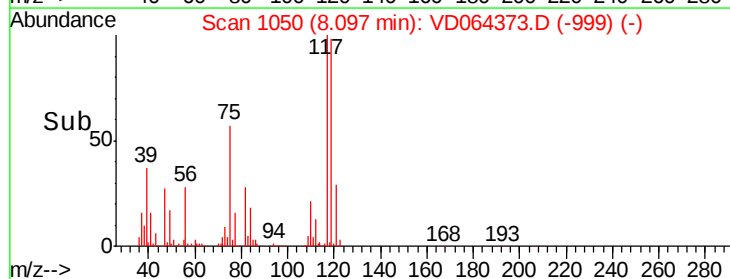
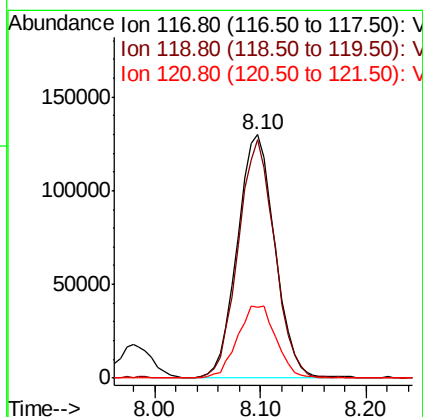
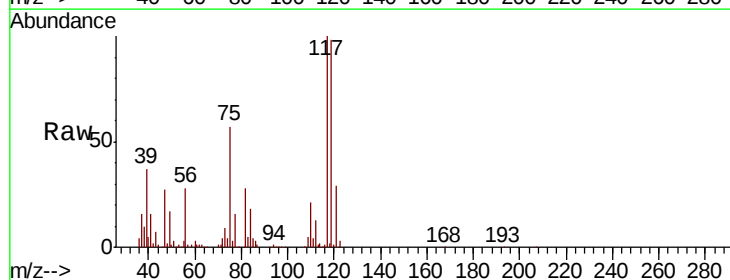
Instrument :
MSVOA_D
ClientSampleId :

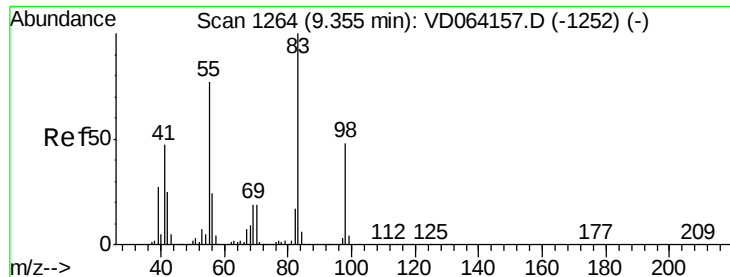
Tot Ion: 43 Resp: 135803
Ion Ratio Lower Upper
43 100
61 14.5 10.2 15.2
70 10.1 8.5 12.7



#38
Carbon Tetrachloride
Concen: 48.399 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 117 Resp: 318944
Ion Ratio Lower Upper
117 100
119 97.8 77.2 115.8
121 29.3 25.5 38.3

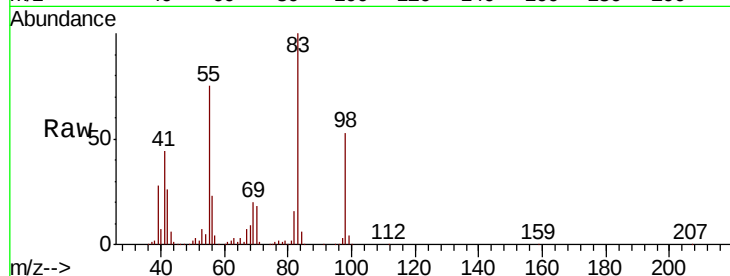




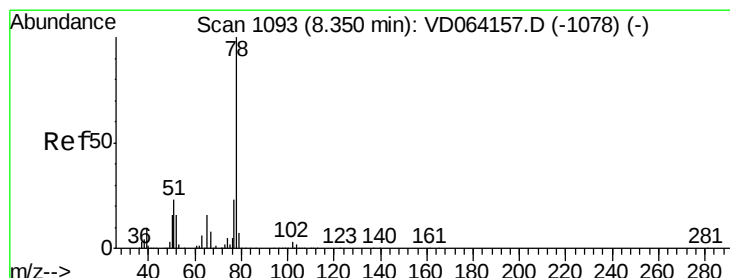
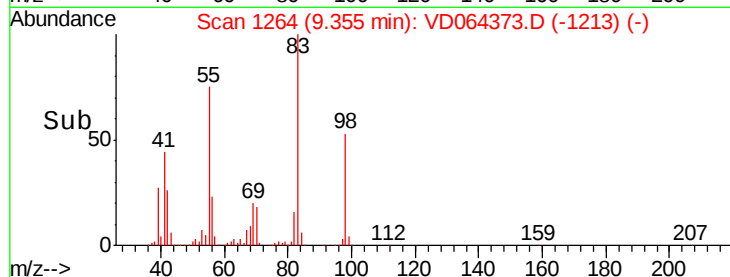
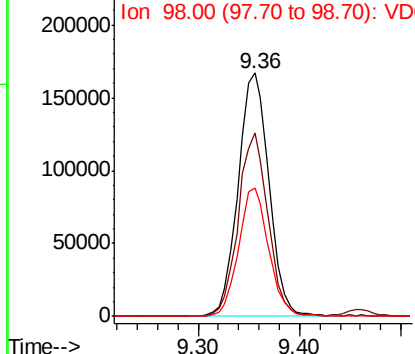
#39
Methvlcvclohexane
Concen: 45.182 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 352094
Ion Ratio Lower Upper
83 100
55 75.3 61.7 92.5
98 52.7 38.6 58.0

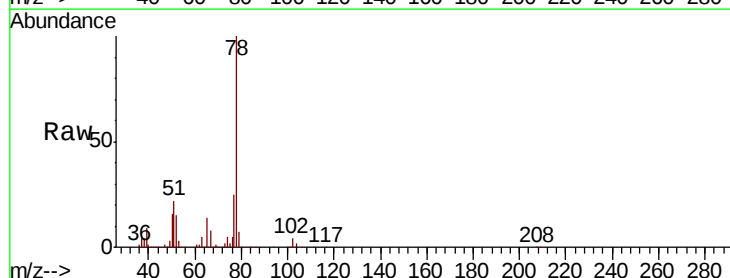


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

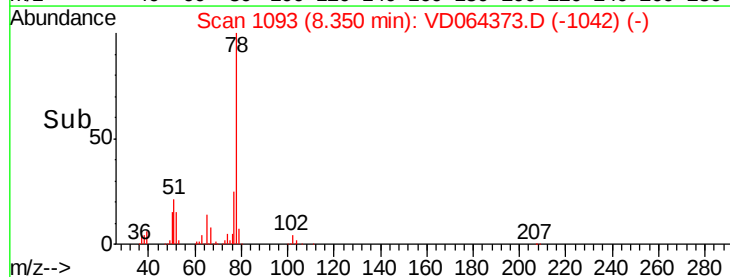
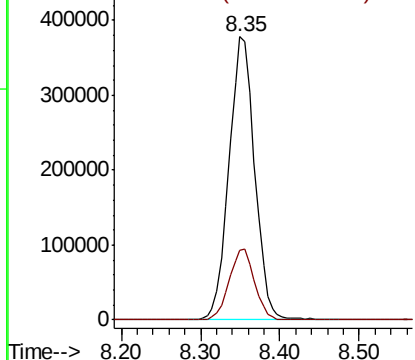


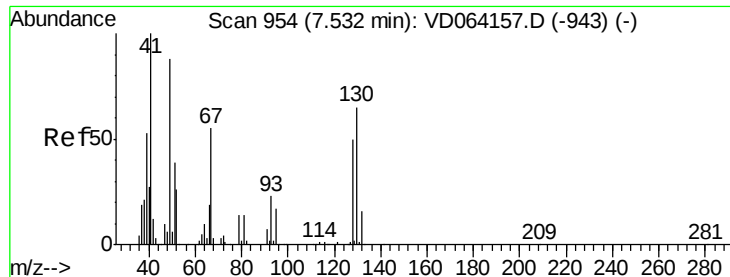
#40
Benzene
Concen: 50.345 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 78 Resp: 847387
Ion Ratio Lower Upper
78 100
77 24.5 18.6 28.0



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





#41

Methacrylonitrile

Concen: 49.001 ug/l

RT: 7.53 min Scan# 954

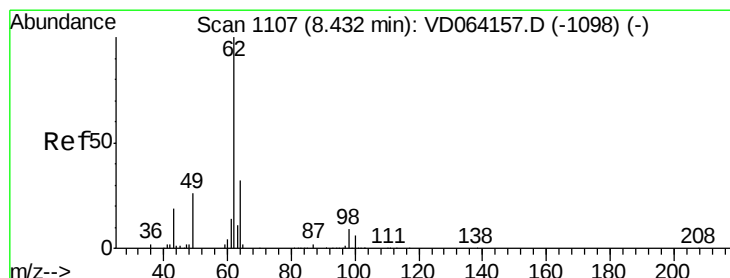
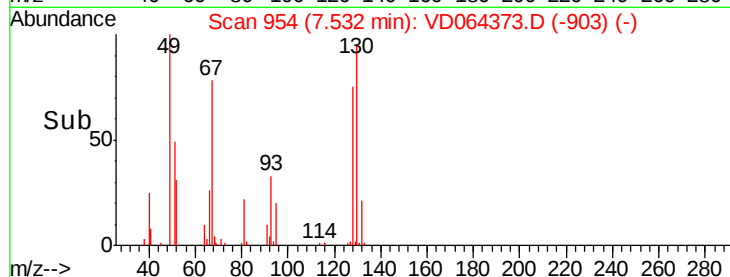
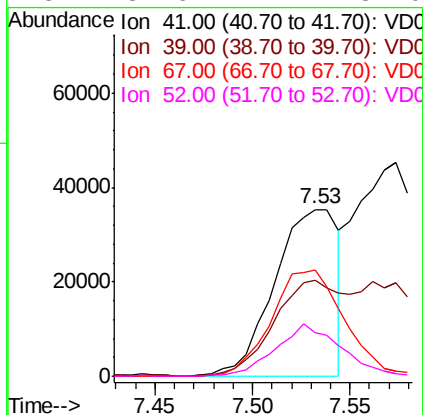
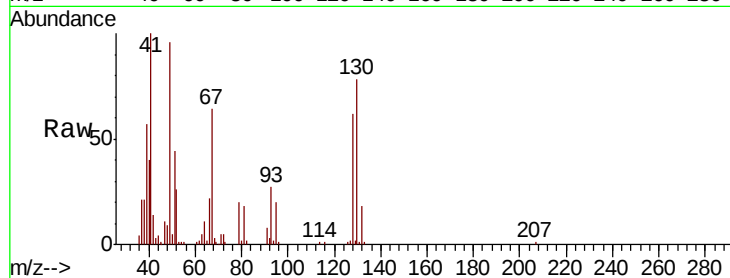
Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	79962
Ion	Ratio	Lower	Upper
41	100		
39	64.7	49.4	74.2
67	73.4	49.6	74.4
52	32.6	21.4	32.0#



#42

1,2-Dichloroethane

Concen: 51.645 ug/l

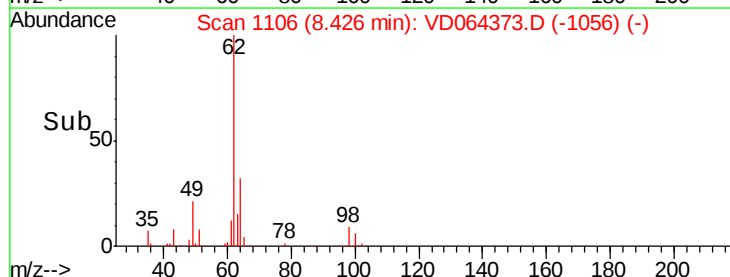
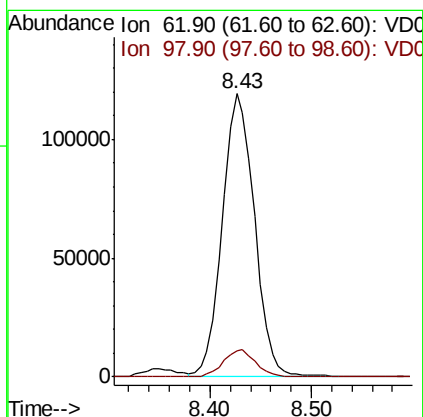
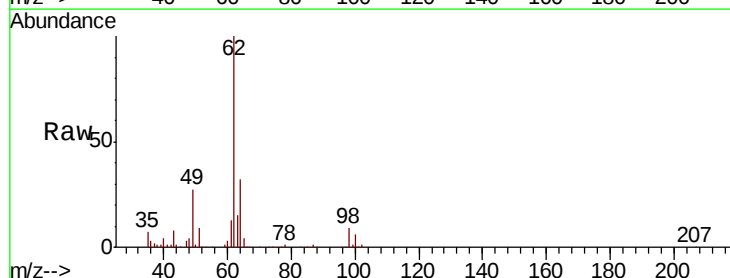
RT: 8.43 min Scan# 1106

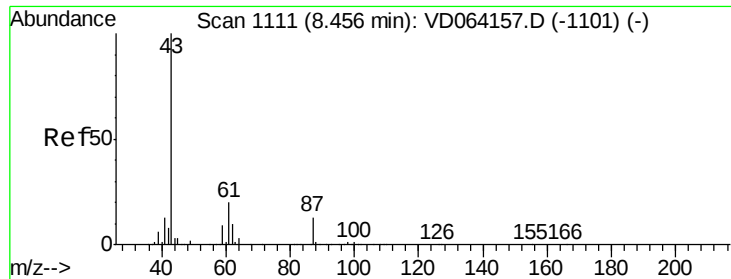
Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Tgt Ion:	62	Resp:	261074
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 51.106 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

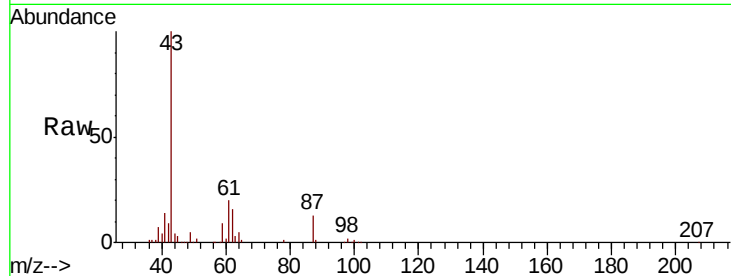
Tot Ion: 43 Resp: 273391

Ion Ratio Lower Upper

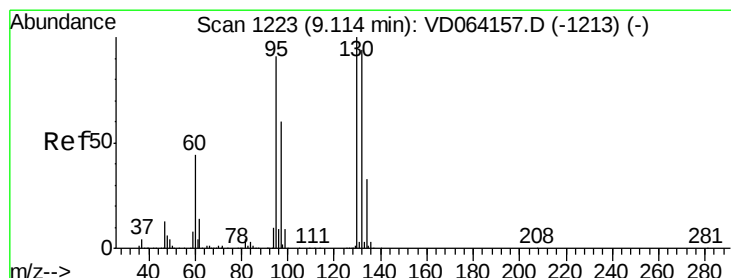
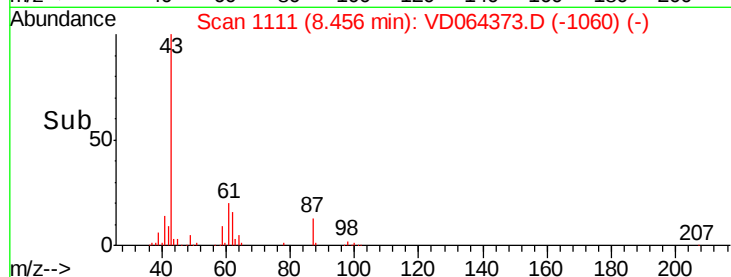
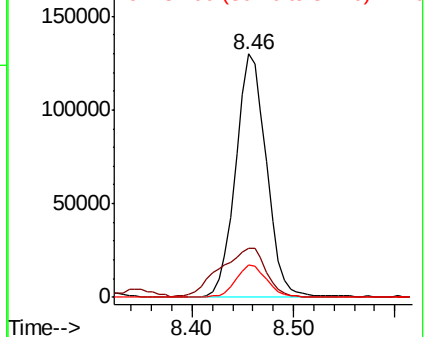
43 100

61 30.2 22.9 34.3

87 13.3 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: 50.032 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064373.D

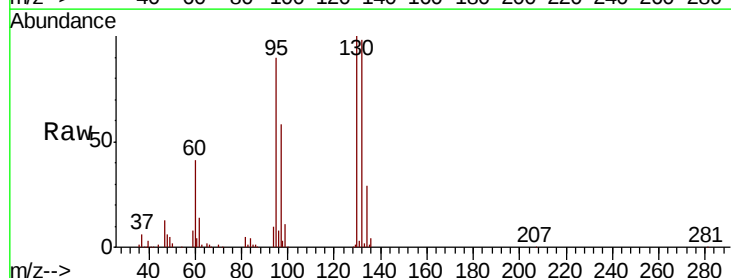
Acq: 25 Nov 2019 21:17

Tgt Ion: 130 Resp: 252746

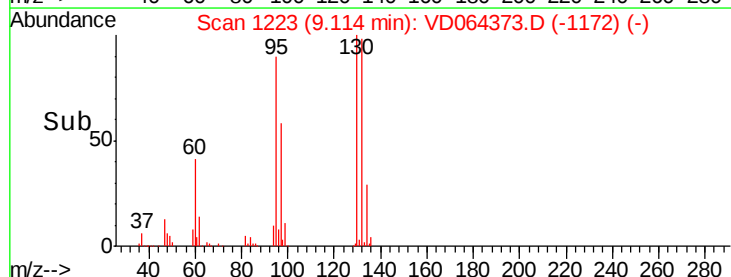
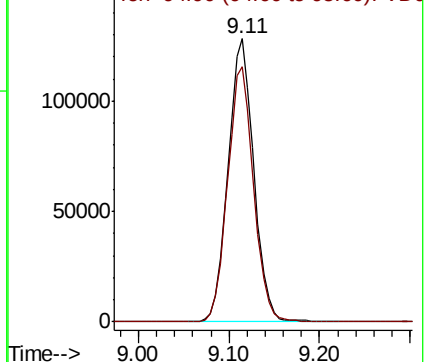
Ion Ratio Lower Upper

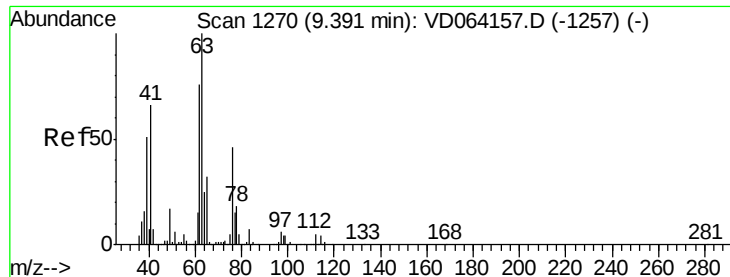
130 100

95 90.3 0.0 181.6



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

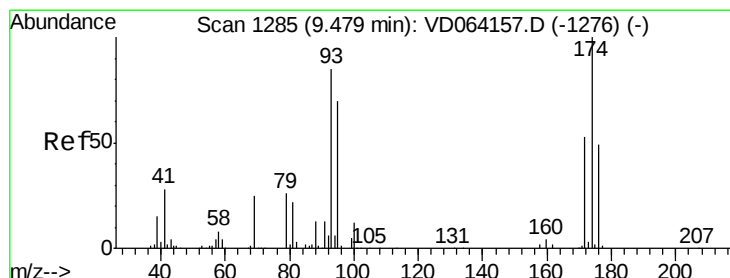
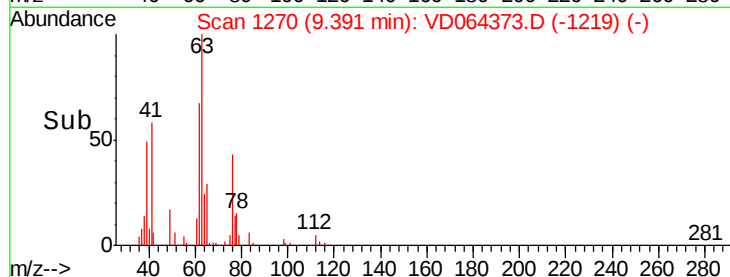
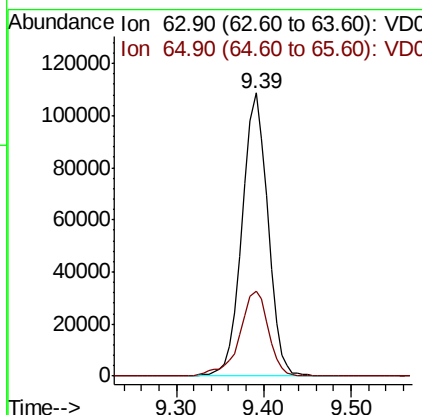
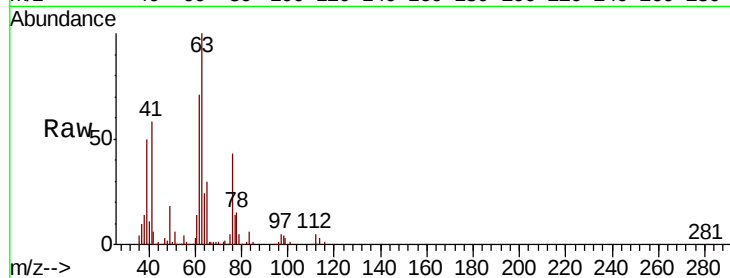




#45
 1,2-Dichloropropane
 Concen: 52.776 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

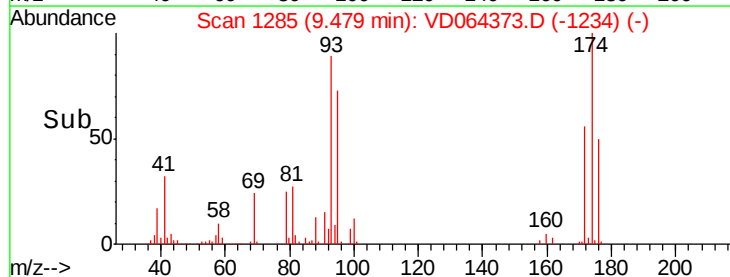
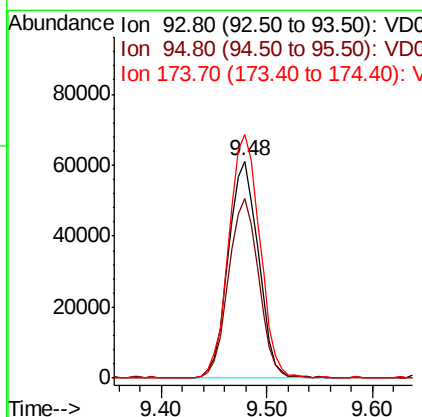
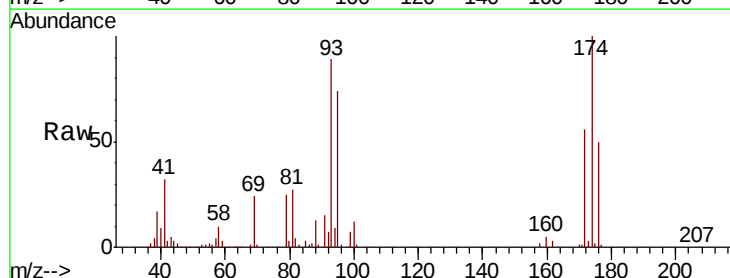
Instrument :
 MSVOA_D
 ClientSampleId :

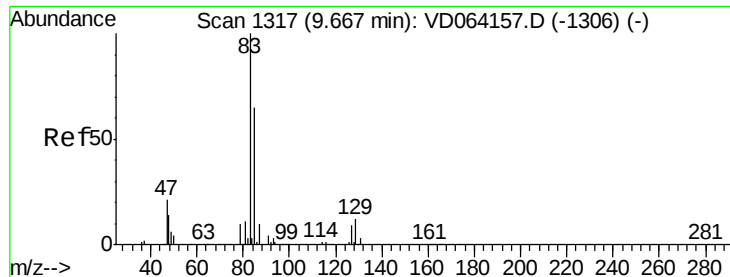
Tot Ion: 63 Resp: 216210
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.7 38.5



#46
 Dibromomethane
 Concen: 55.029 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion: 93 Resp: 120691
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.5 98.3
 174 115.9 93.9 140.9





#47

Bromodichloromethane

Concen: 54.018 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

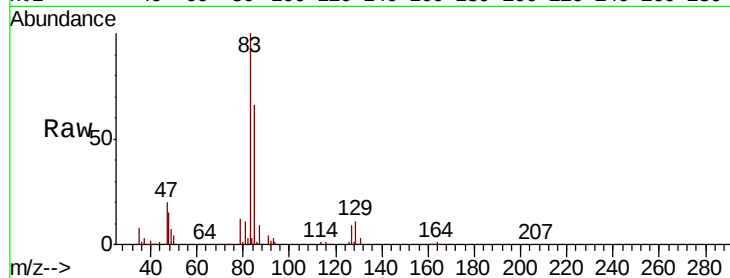
Tot Ion: 83 Resp: 319123

Ion Ratio Lower Upper

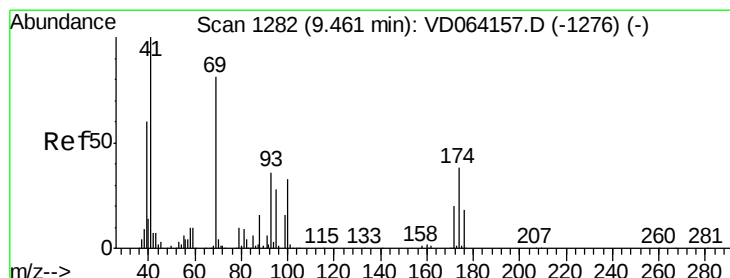
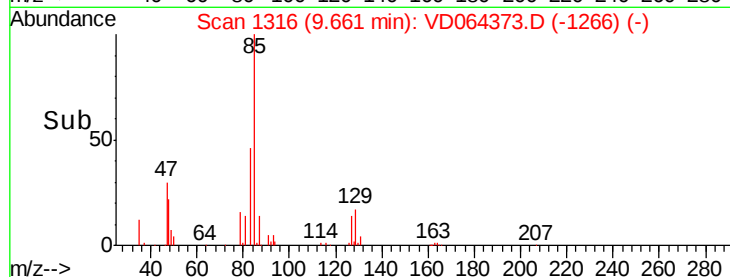
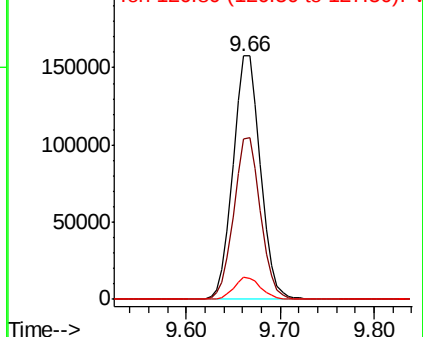
83 100

85 66.1 52.2 78.4

127 8.9 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: 49.282 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

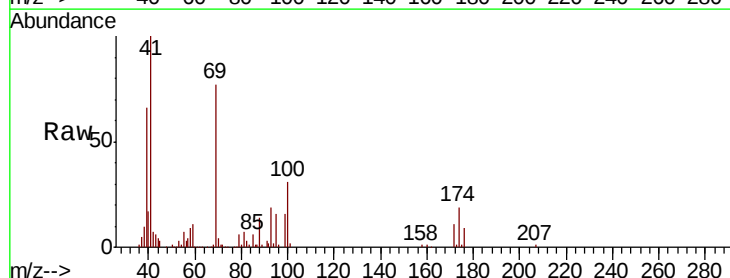
Tgt Ion: 41 Resp: 128910

Ion Ratio Lower Upper

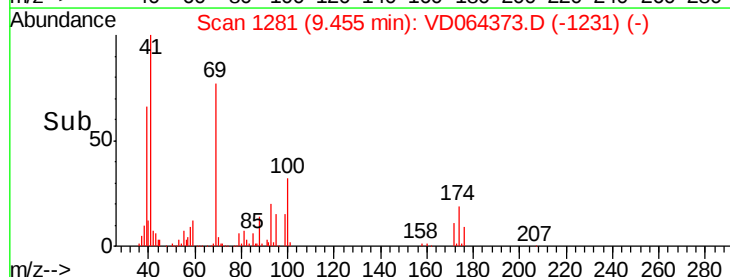
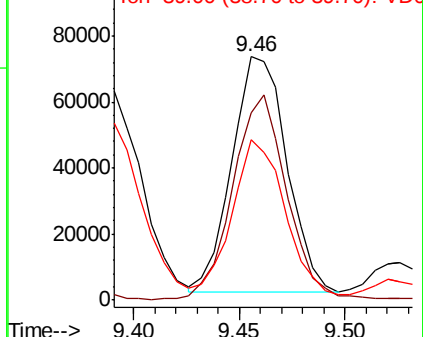
41 100

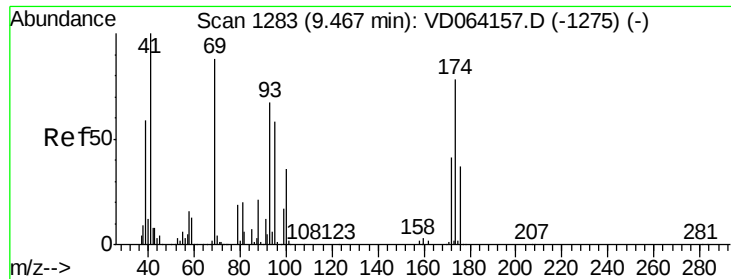
69 85.5 64.6 97.0

39 67.1 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

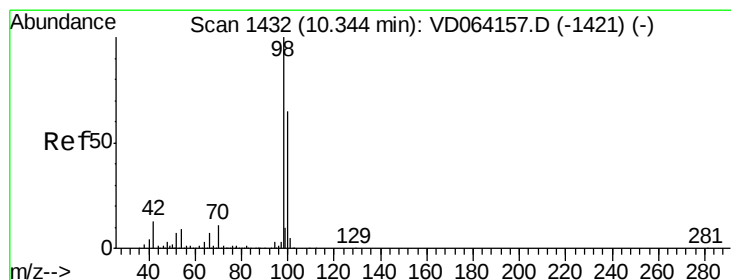
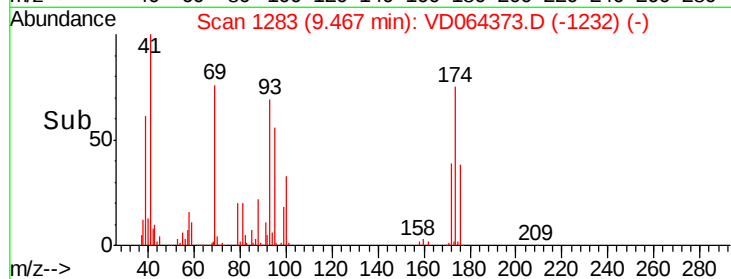
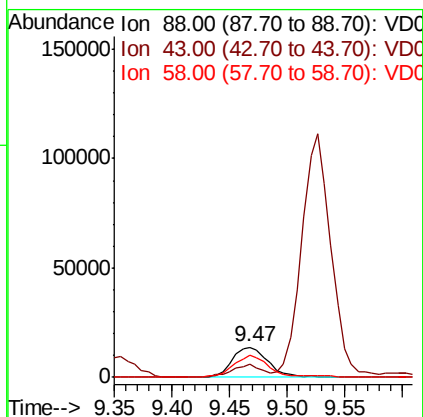
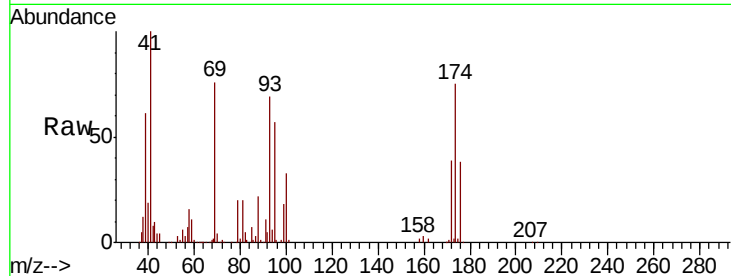




#49
1,4-Dioxane
Concen: 1122.718 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

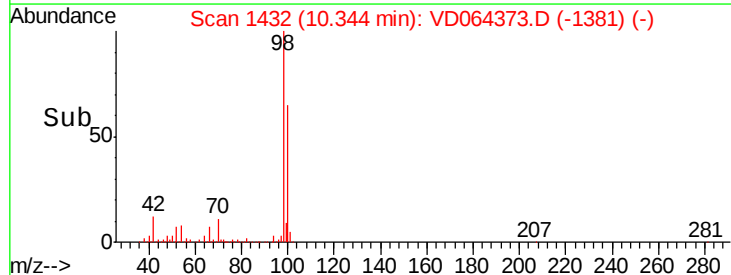
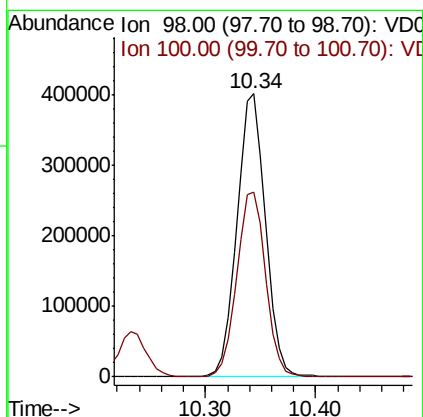
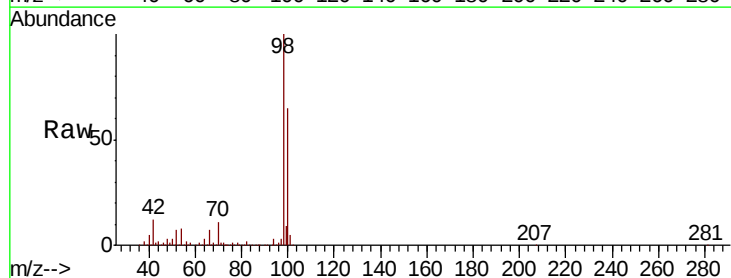
Instrument :
MSVOA_D
ClientSampled :

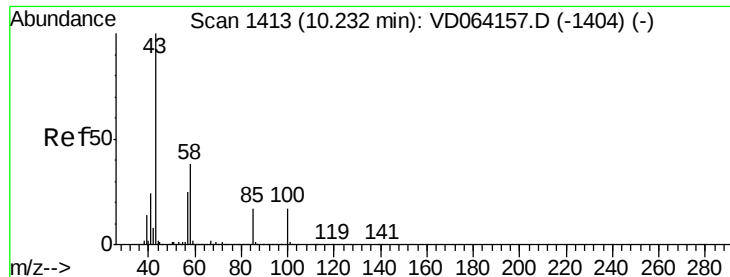
Tot Ion: 88 Resp: 29573
Ion Ratio Lower Upper
88 100
43 34.7 29.8 44.8
58 69.5 58.1 87.1



#50
Toluene-d8
Concen: 50.501 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 98 Resp: 729733
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8

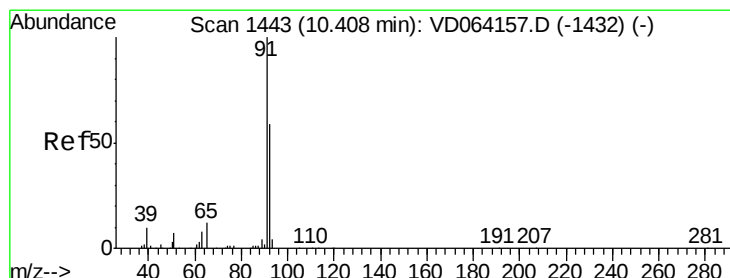
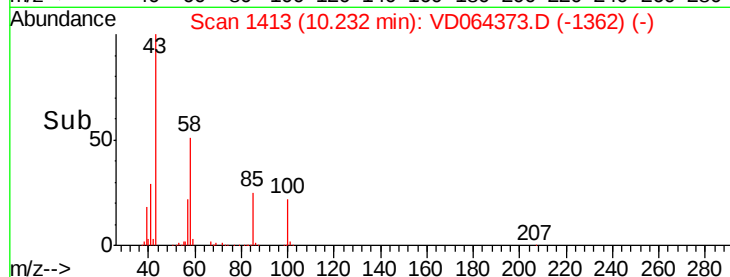
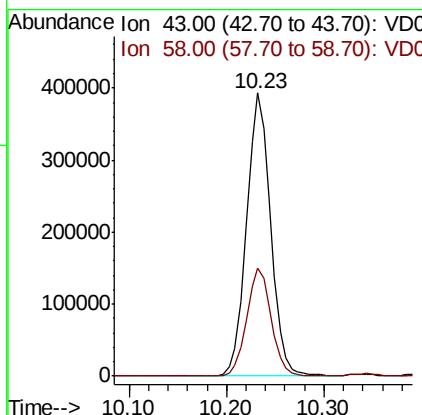
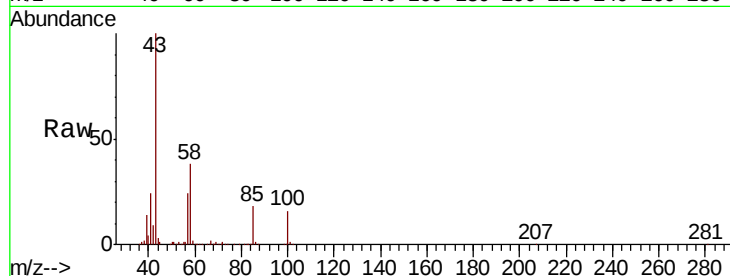




#51
4-Methyl-2-Pentanone
Concen: 265.563 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

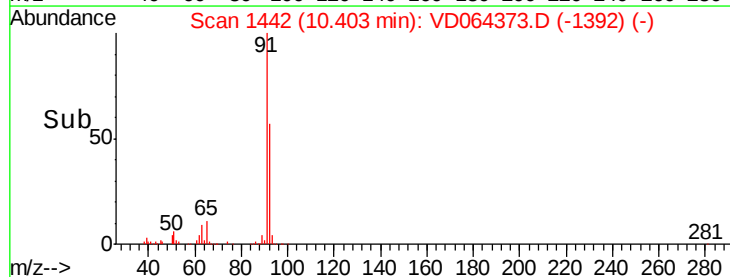
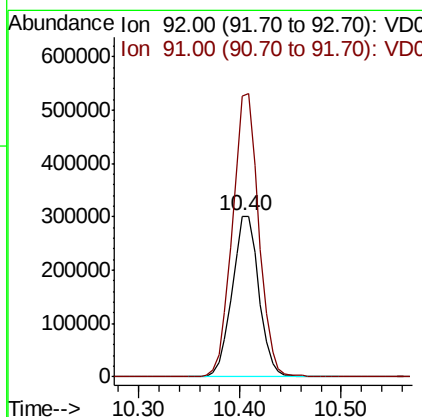
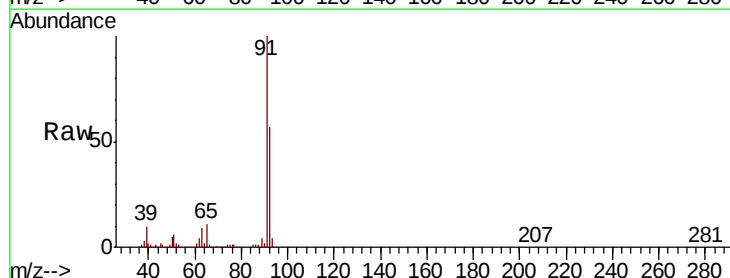
Instrument :
MSVOA_D
ClientSampleId :

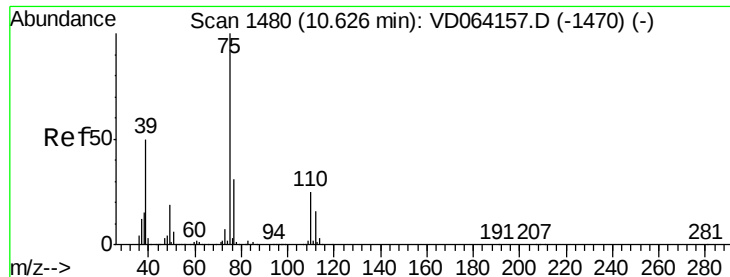
Tot Ion: 43 Resp: 681249
Ion Ratio Lower Upper
43 100
58 38.5 30.2 45.4



#52
Toluene
Concen: 50.004 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 92 Resp: 553438
Ion Ratio Lower Upper
92 100
91 173.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 50.319 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

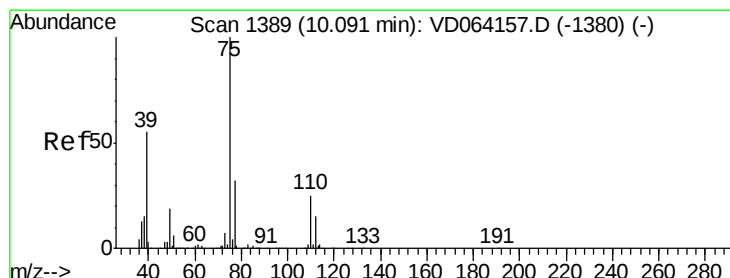
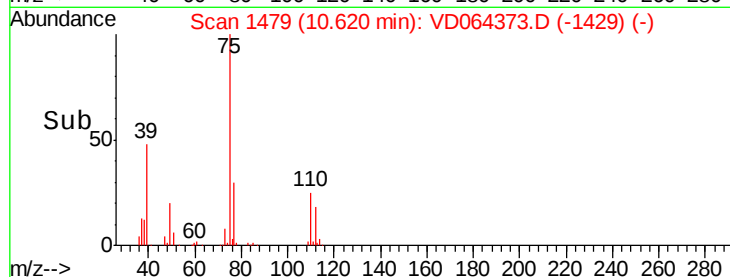
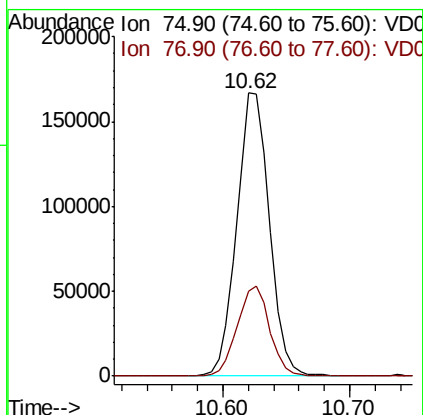
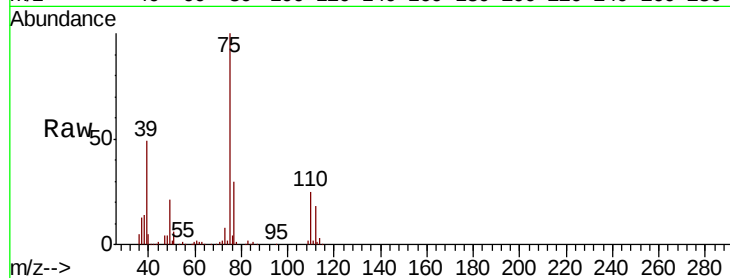
ClientSampleId :

Tot Ion: 75 Resp: 297817

Ion Ratio Lower Upper

75 100

77 30.2 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 51.166 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

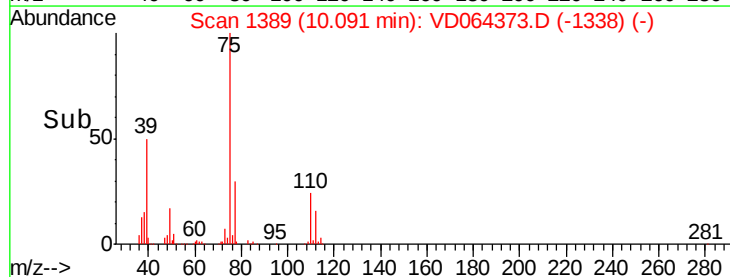
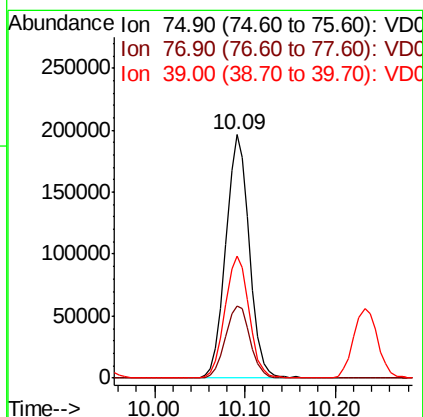
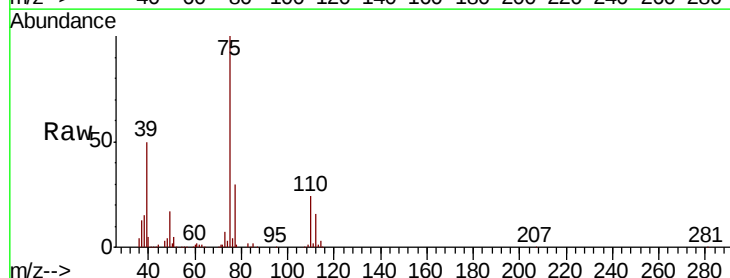
Tgt Ion: 75 Resp: 353374

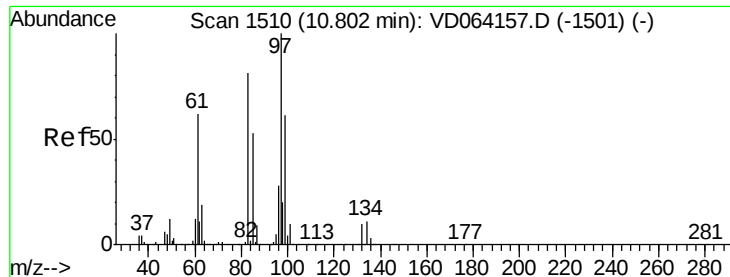
Ion Ratio Lower Upper

75 100

77 29.6 25.2 37.8

39 50.1 44.2 66.2

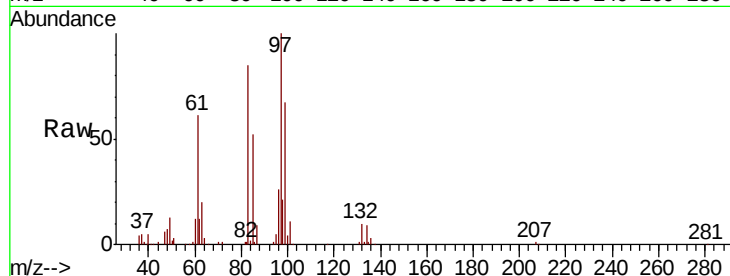




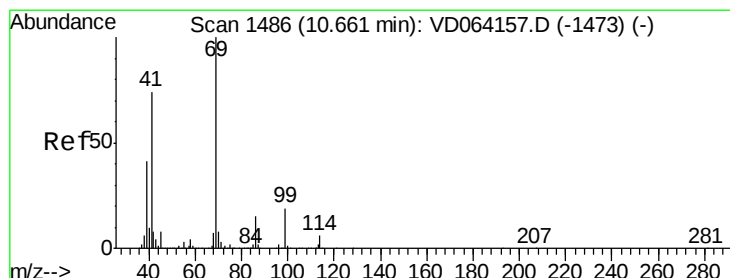
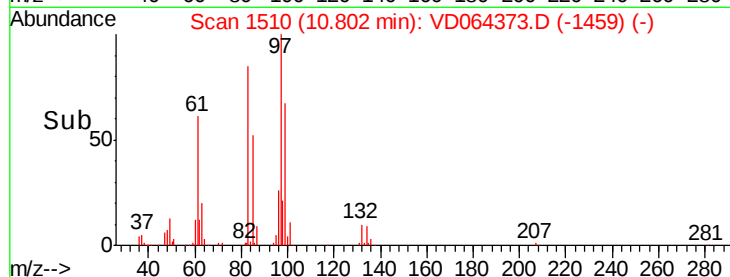
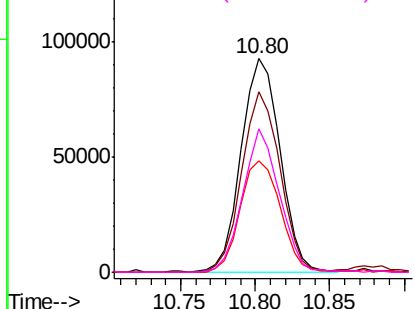
#55
 1,1,2-Trichloroethane
 Concen: 56.651 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:	97	Resp:	168552
Ion	Ratio	Lower	Upper
97	100		
83	84.6	65.1	97.7
85	52.4	42.0	63.0
99	67.1	48.9	73.3

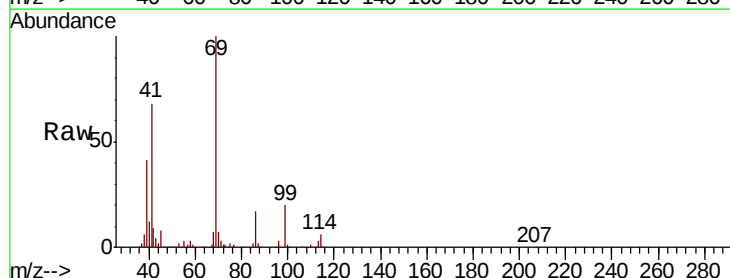


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

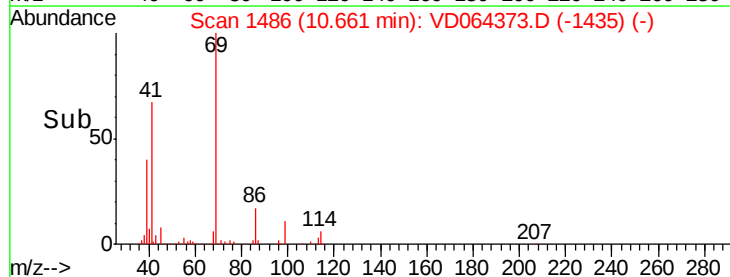
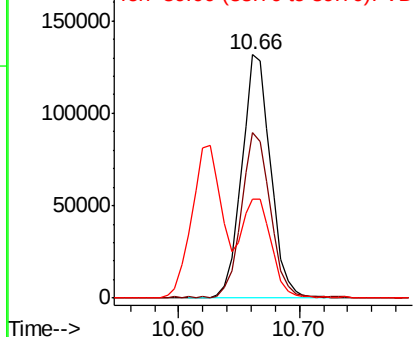


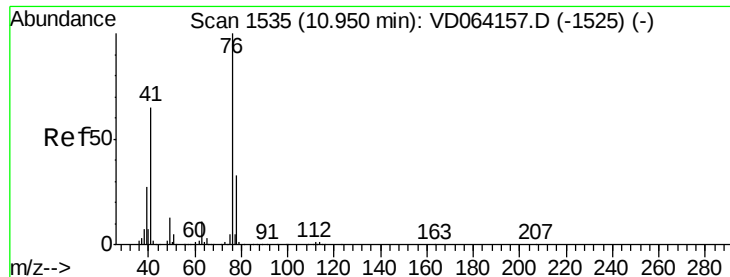
#56
 Ethyl methacrylate
 Concen: 52.743 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion:	69	Resp:	219519
Ion	Ratio	Lower	Upper
69	100		
41	66.7	57.9	86.9
39	41.9	29.0	43.4



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





#57

1,3-Dichloropropane

Concen: 54.280 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

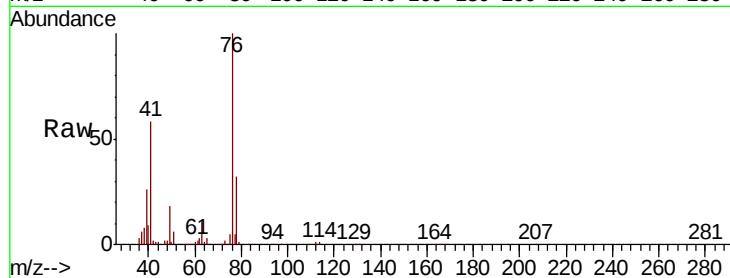
ClientSampleId :

Tot Ion: 76 Resp: 281652

Ion Ratio Lower Upper

76 100

78 33.1 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

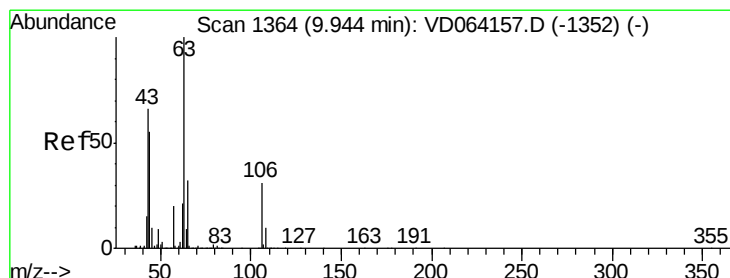
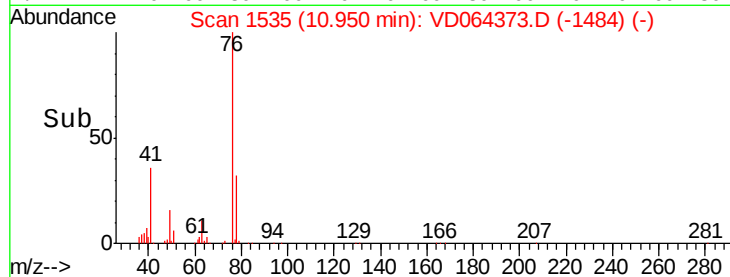
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 290.877 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064373.D

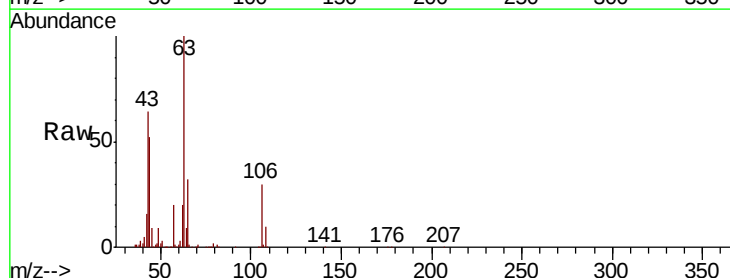
Acq: 25 Nov 2019 21:17

Tgt Ion: 63 Resp: 490397

Ion Ratio Lower Upper

63 100

106 30.5 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

300000

250000

200000

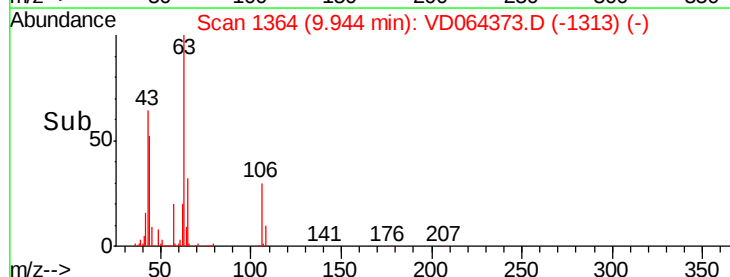
150000

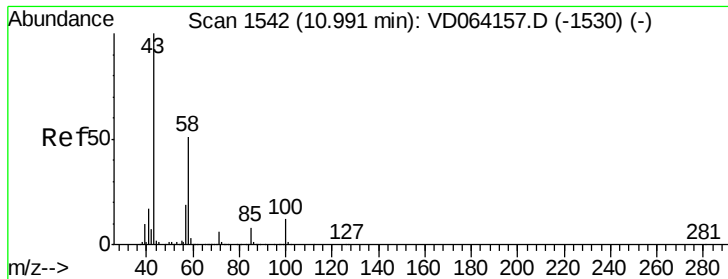
100000

50000

0

Time-->

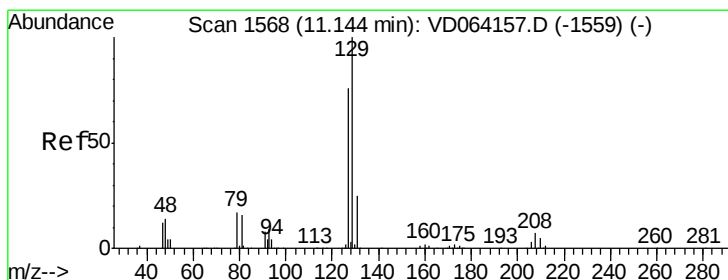
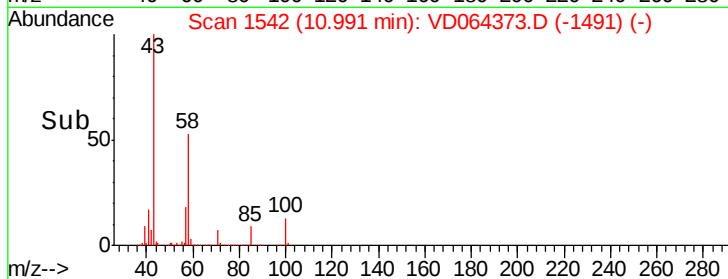
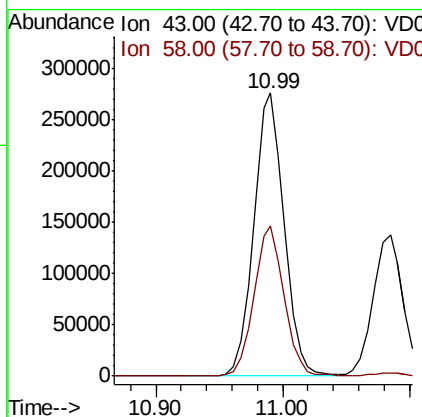
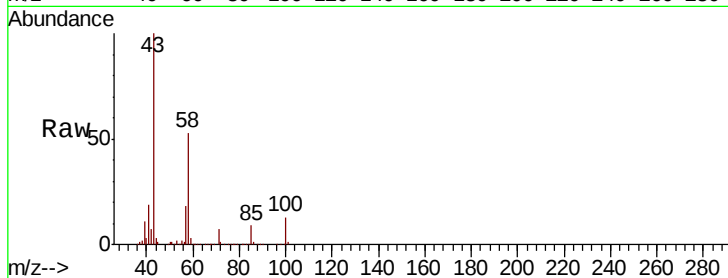




#59
2-Hexanone
Concen: 251.091 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

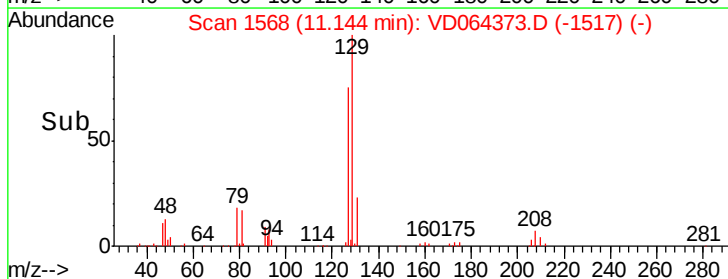
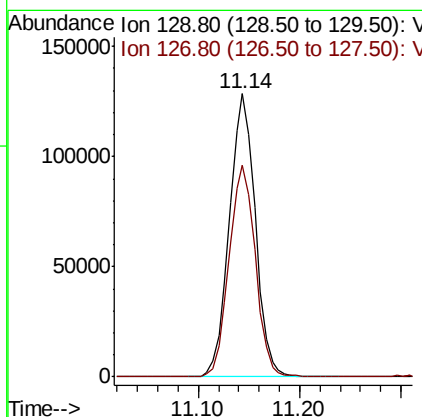
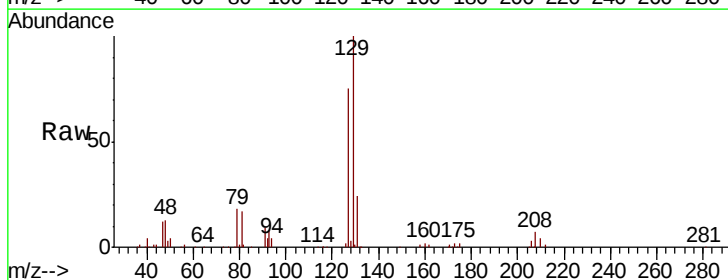
Instrument :
MSVOA_D
ClientSampleId :

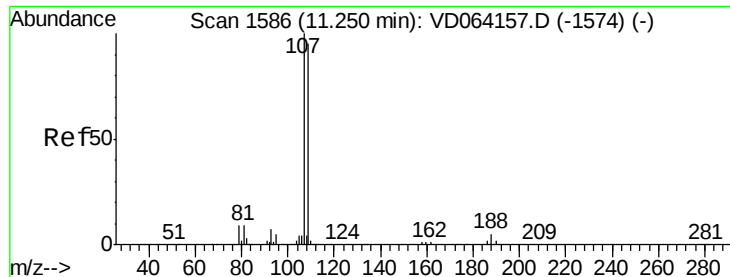
Tot Ion: 43 Resp: 458259
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.7



#60
Dibromochloromethane
Concen: 54.987 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 129 Resp: 228283
Ion Ratio Lower Upper
129 100
127 75.7 38.6 115.8

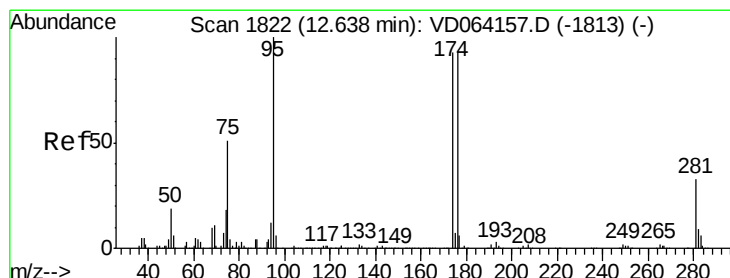
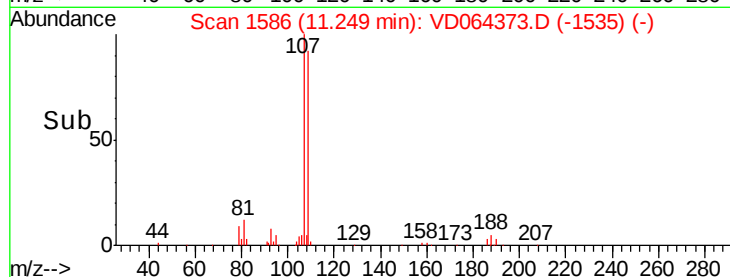
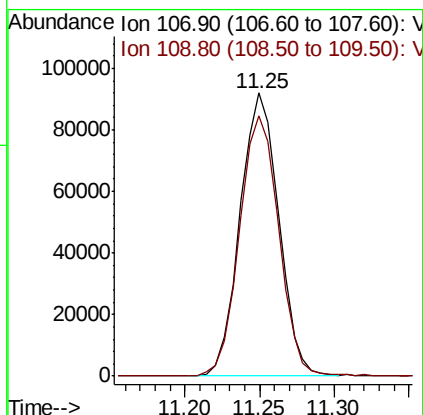
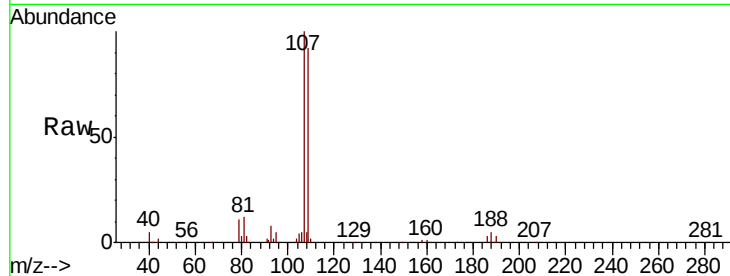




#61
 1,2-Dibromoethane
 Concen: 55.428 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

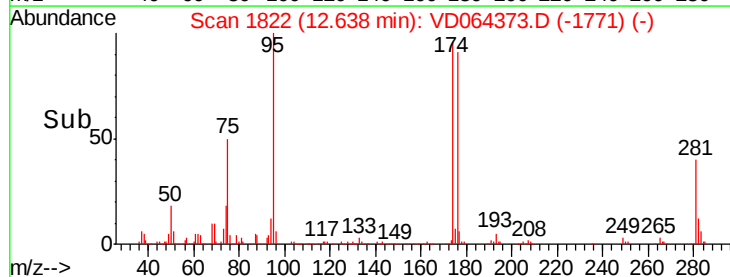
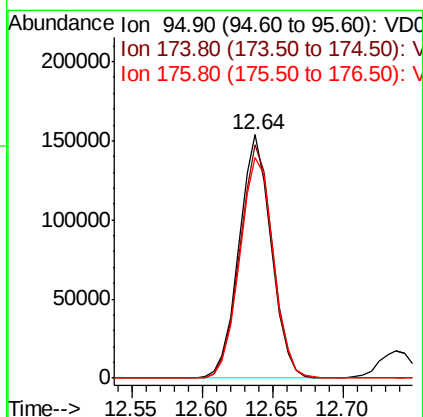
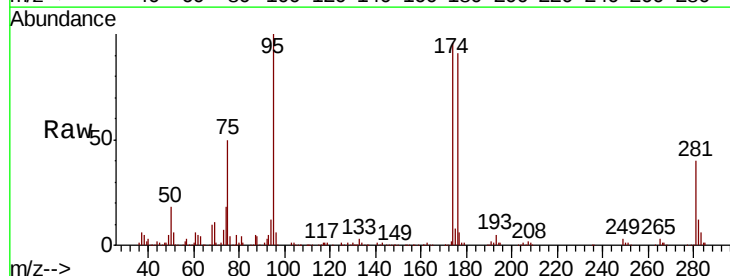
Instrument :
 MSVOA_D
 ClientSampled :

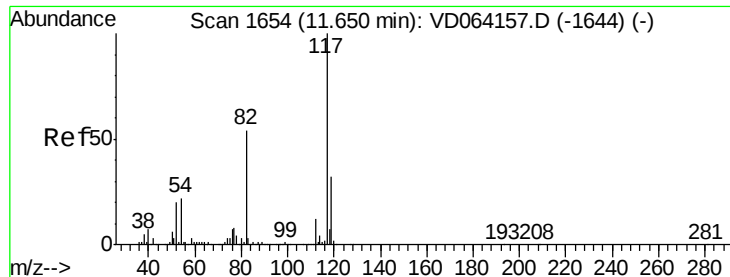
Tot Ion: 107 Resp: 165176
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 48.914 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion: 95 Resp: 244772
 Ion Ratio Lower Upper
 95 100
 174 98.3 0.0 183.6
 176 94.9 0.0 180.2

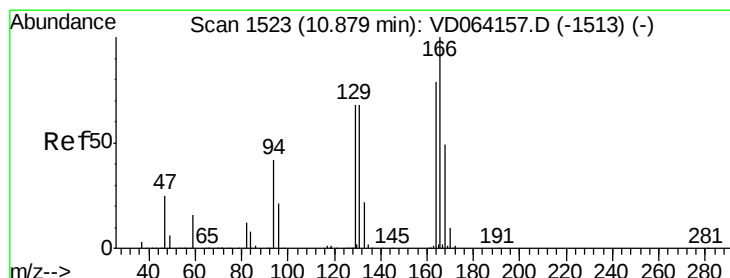
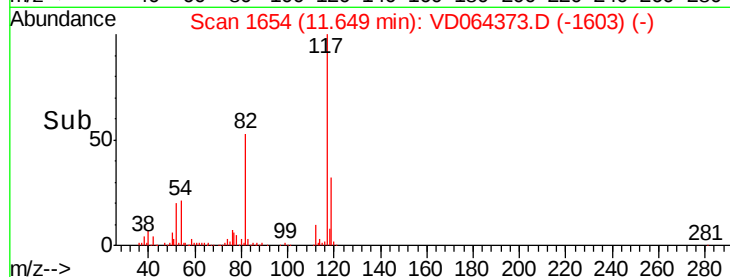
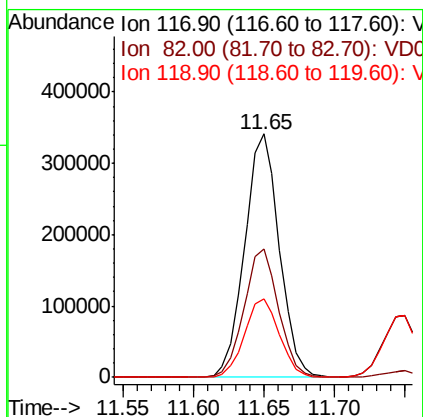
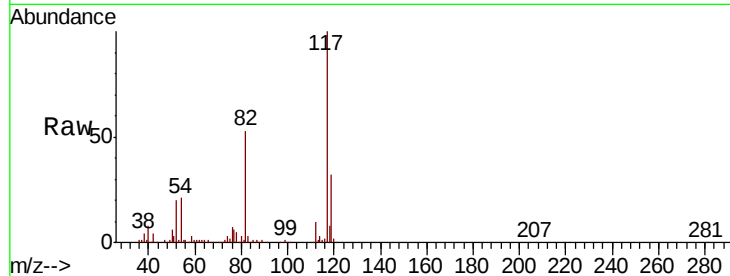




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

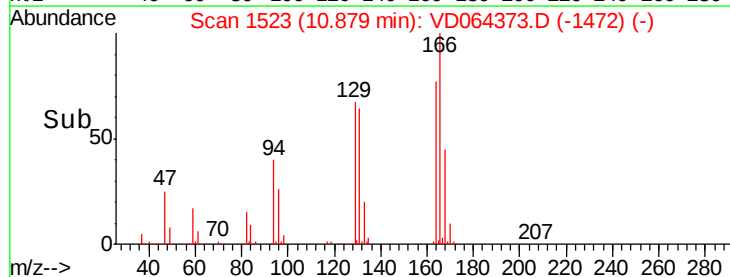
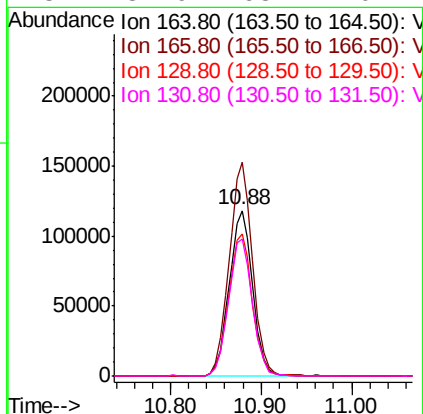
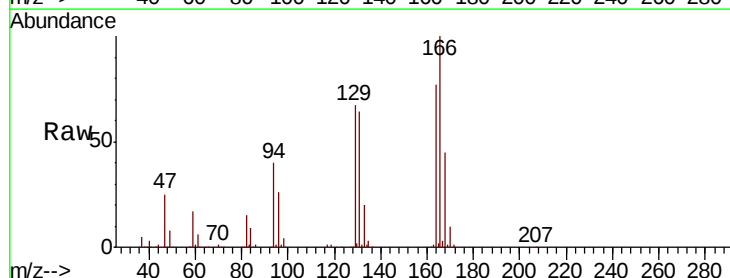
Instrument :
MSVOA_D
ClientSampled :

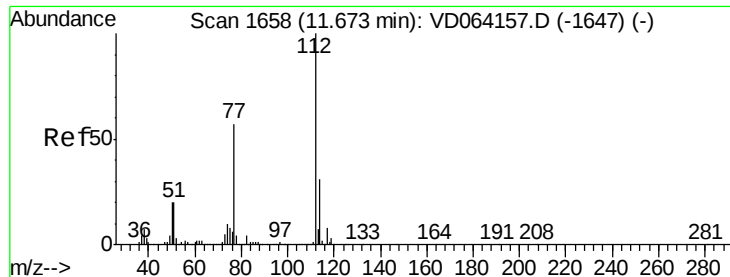
Tot Ion:117 Resp: 587784
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.2 25.6 38.4



#64
Tetrachloroethene
Concen: 46.960 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion:164 Resp: 212288
Ion Ratio Lower Upper
164 100
166 129.2 100.8 151.2
129 86.0 68.7 103.1
131 82.9 68.1 102.1





#65

Chlorobenzene

Concen: 50.742 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

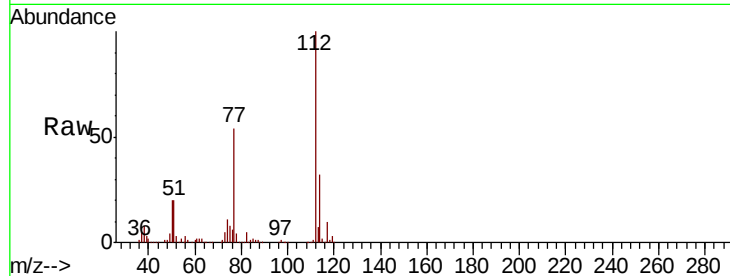
ClientSampleId :

Tot Ion:112 Resp: 606500

Ion Ratio Lower Upper

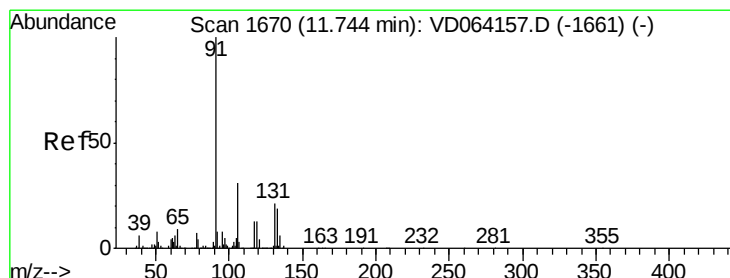
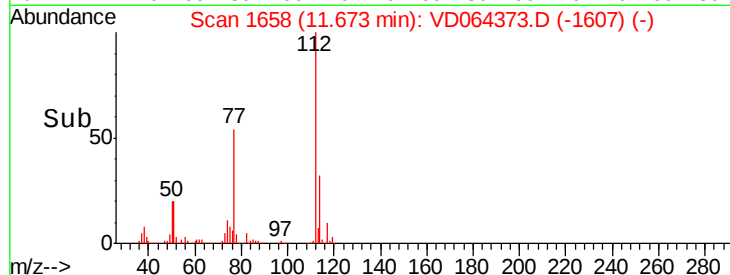
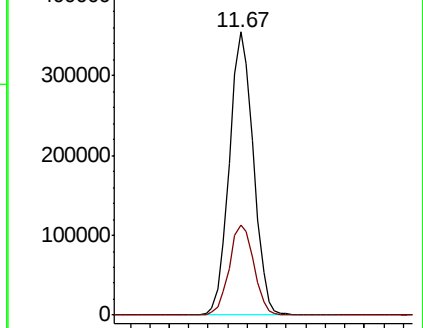
112 100

114 31.7 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.703 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

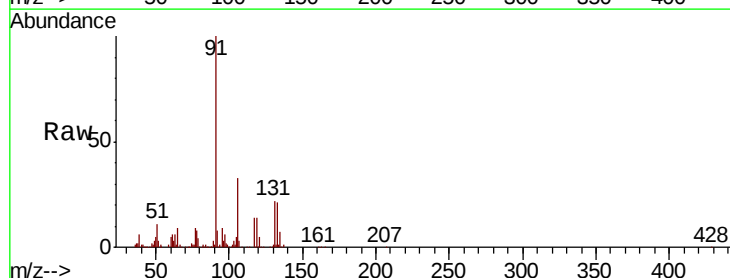
Tgt Ion:131 Resp: 234984

Ion Ratio Lower Upper

131 100

133 95.3 47.3 141.9

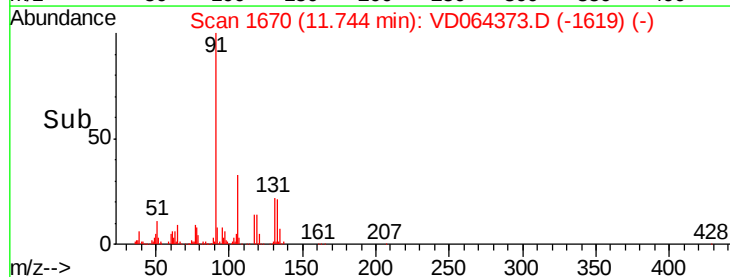
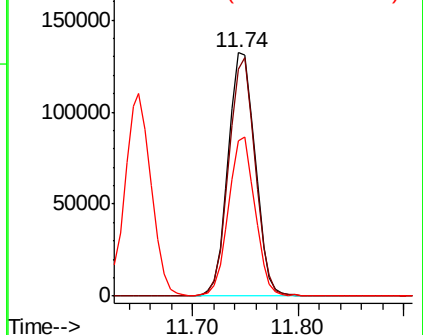
119 64.0 31.1 93.3

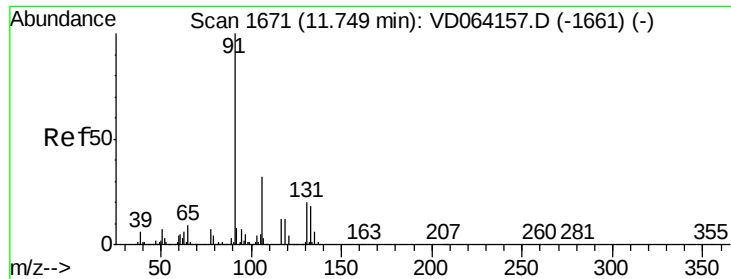


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

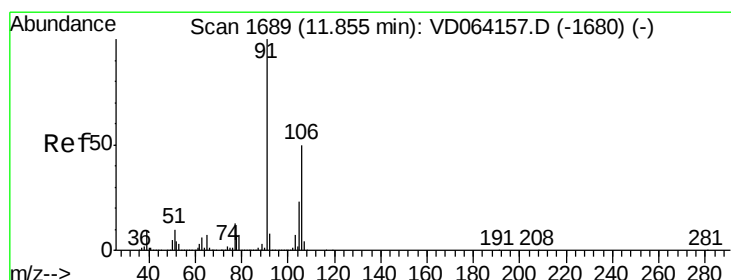
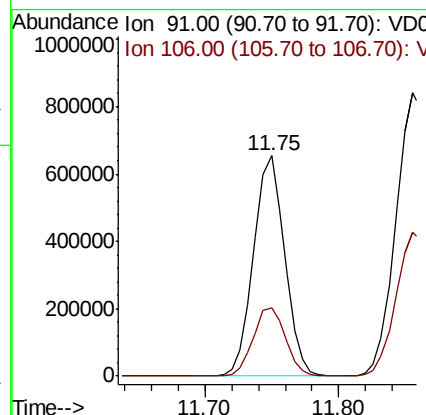
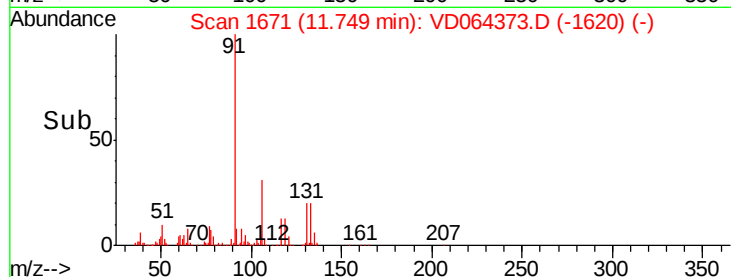
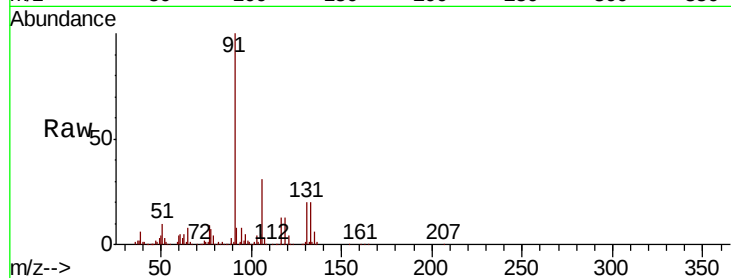




#67
Ethyl Benzene
Concen: 48.798 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

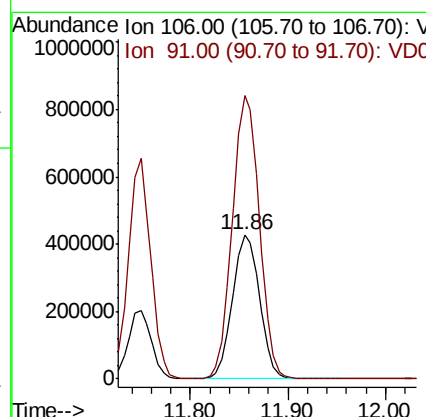
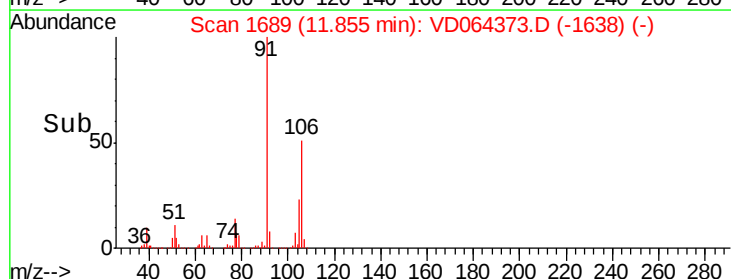
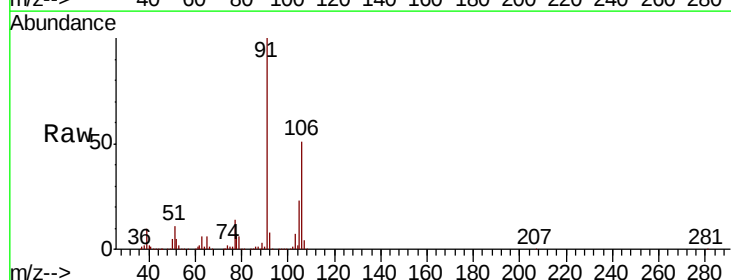
Instrument :
MSVOA_D
ClientSampled :

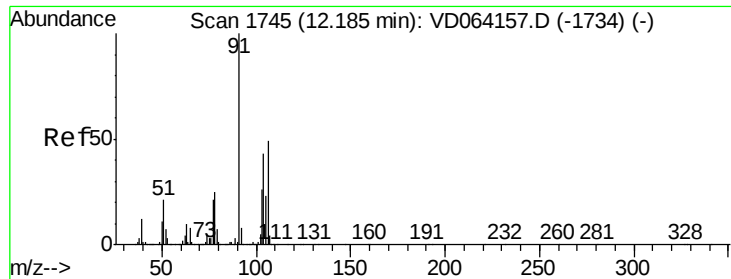
Tot Ion: 91 Resp: 1055023
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3



#68
m/p-Xylenes
Concen: 99.559 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 106 Resp: 825056
Ion Ratio Lower Upper
106 100
91 195.6 160.3 240.5

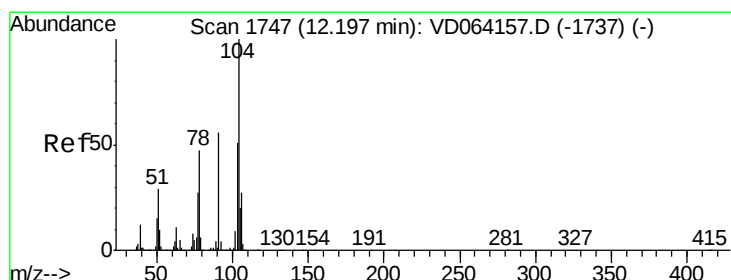
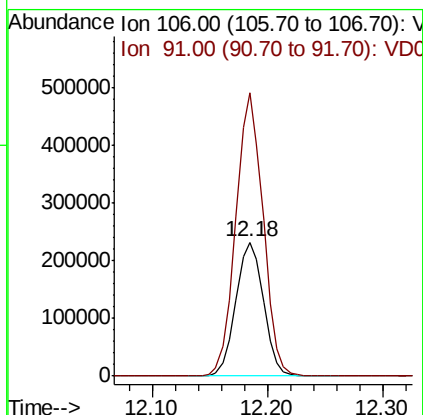
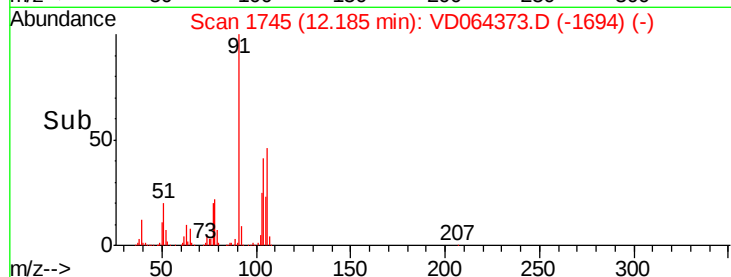
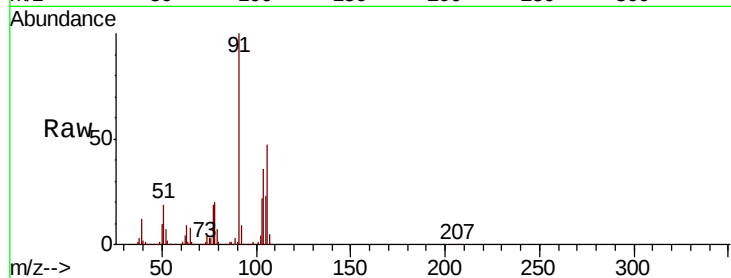




#69
o-Xylene
Concen: 50.131 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

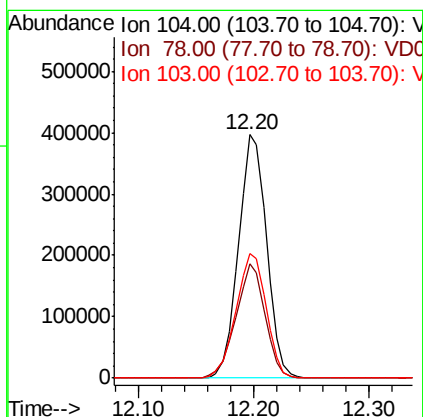
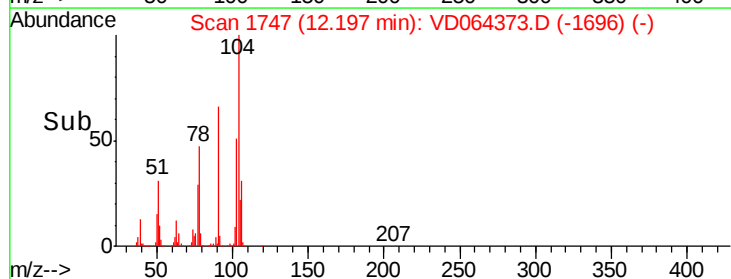
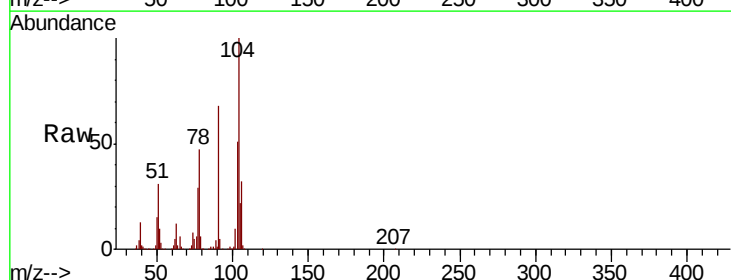
Instrument :
MSVOA_D
ClientSampled :

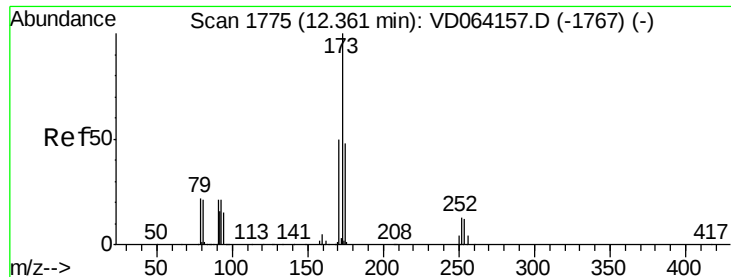
Tot Ion:106 Resp: 385298
Ion Ratio Lower Upper
106 100
91 207.6 105.1 315.3



#70
Styrene
Concen: 49.954 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion:104 Resp: 670178
Ion Ratio Lower Upper
104 100
78 48.8 39.9 59.9
103 55.1 43.4 65.0





#71

Bromoform

Concen: 53.615 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

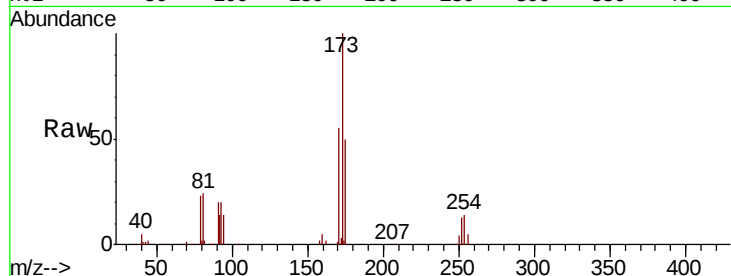
Tot Ion:173 Resp: 138676

Ion Ratio Lower Upper

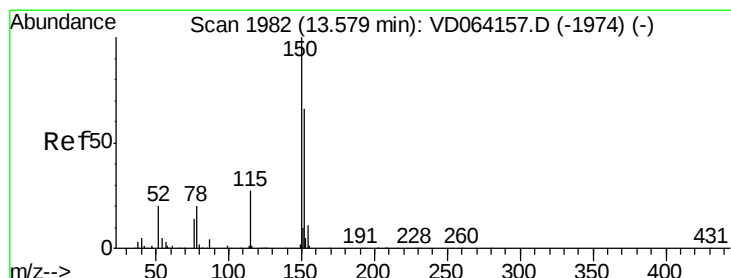
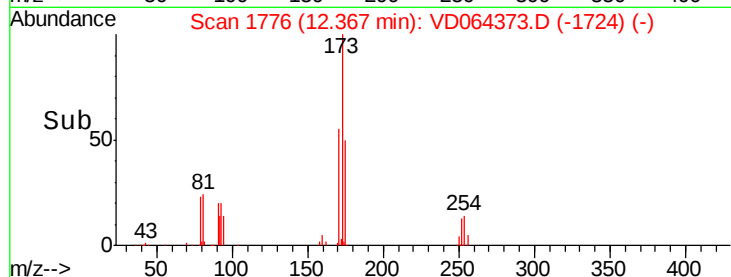
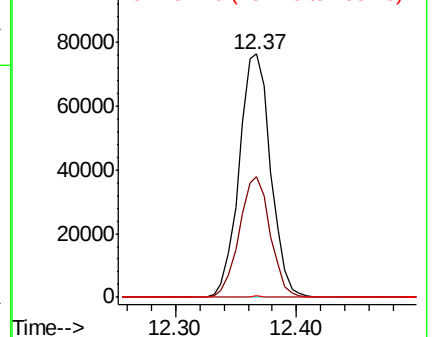
173 100

175 48.9 24.1 72.3

254 0.2 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: VD064373.D

Acq: 25 Nov 2019 21:17

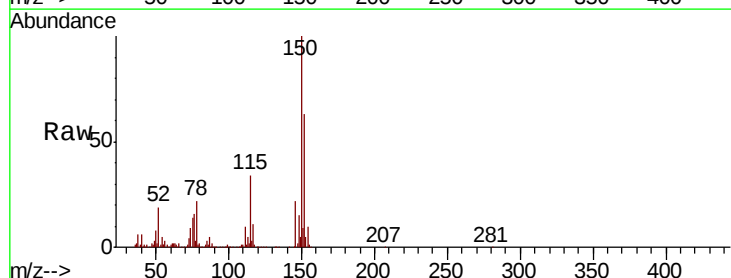
Tgt Ion:152 Resp: 290944

Ion Ratio Lower Upper

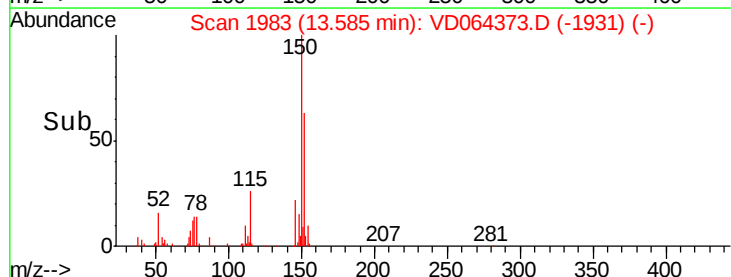
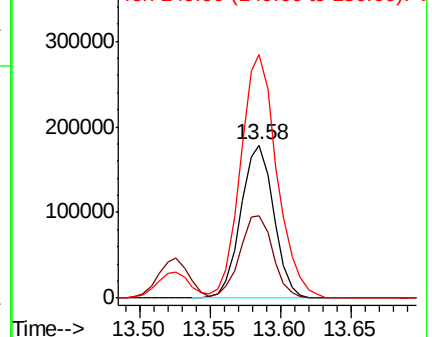
152 100

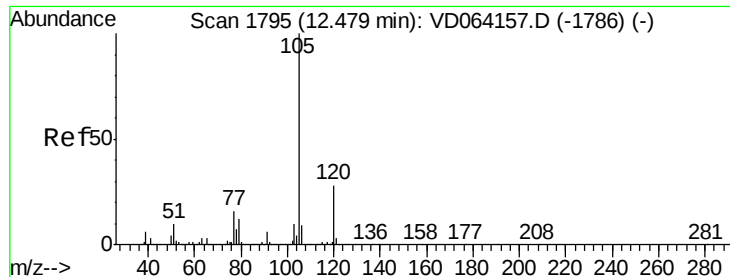
115 54.4 27.4 82.2

150 175.8 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: 47.772 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

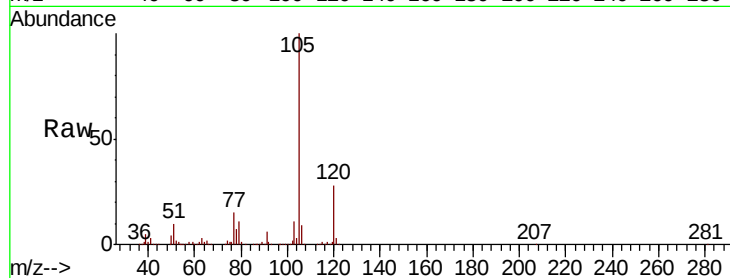
ClientSampleId :

Tot Ion:105 Resp: 1020177

Ion Ratio Lower Upper

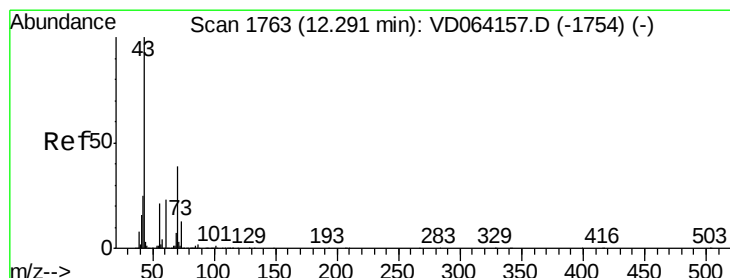
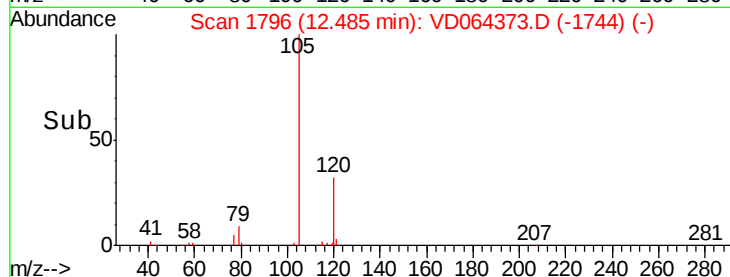
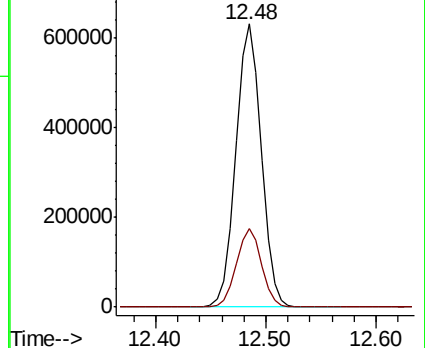
105 100

120 27.3 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.146 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Tgt Ion: 43 Resp: 242800

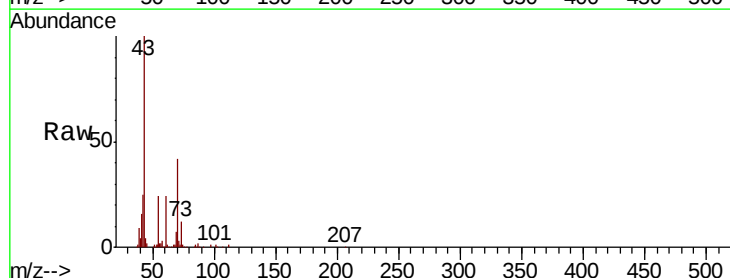
Ion Ratio Lower Upper

43 100

70 41.9 32.4 48.6

55 23.8 17.9 26.9

61 24.1 19.0 28.4

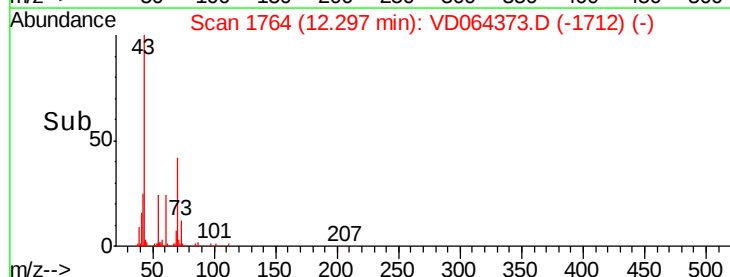
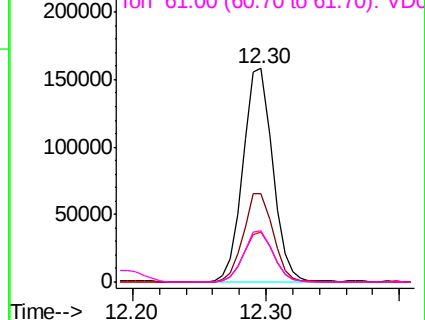


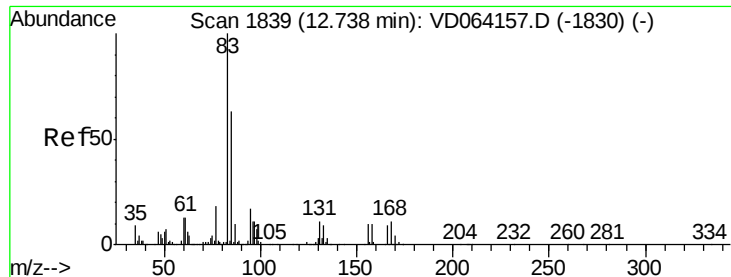
Abundance Ion 43.00 (42.70 to 43.70): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 53.568 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

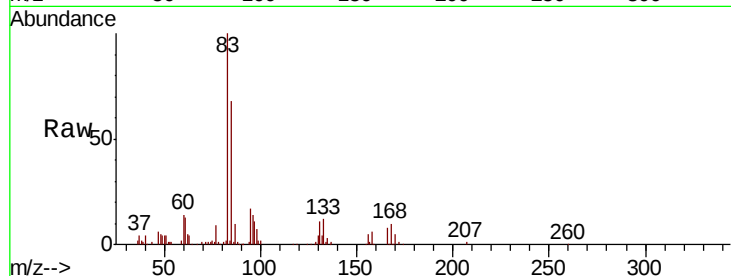
Tot Ion: 83 Resp: 172373

Ion Ratio Lower Upper

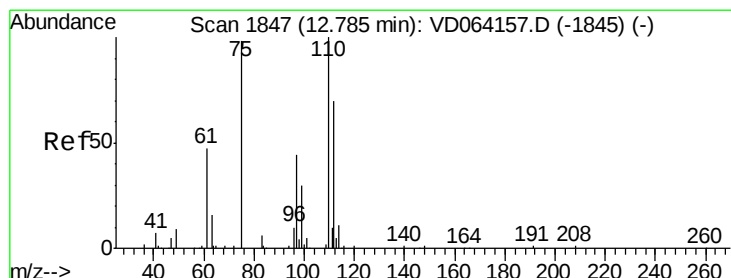
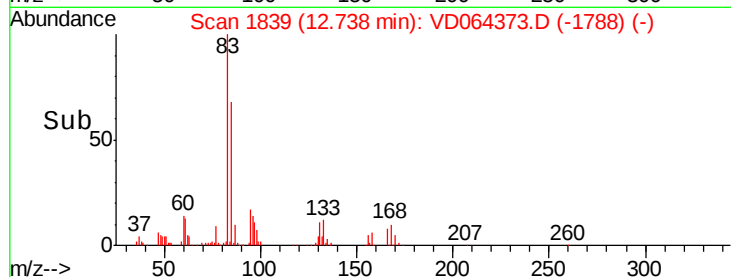
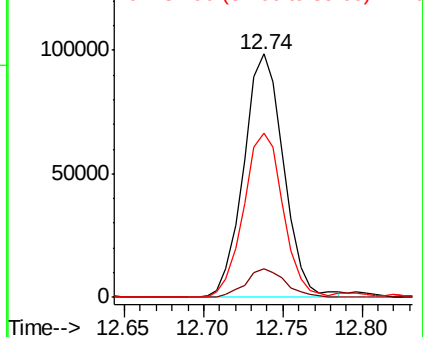
83 100

131 11.7 5.9 17.7

85 66.8 32.5 97.5



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



#76

1,2,3-Trichloropropane

Concen: 98.469 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064373.D

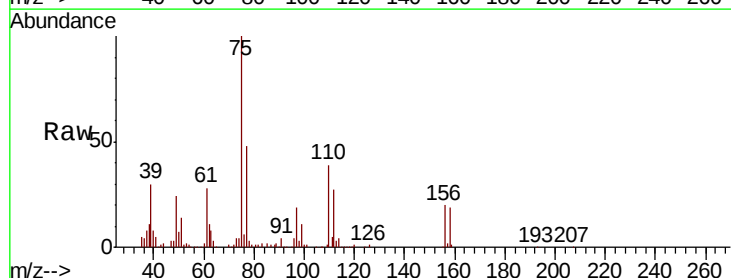
Acq: 25 Nov 2019 21:17

Tgt Ion: 75 Resp: 230759

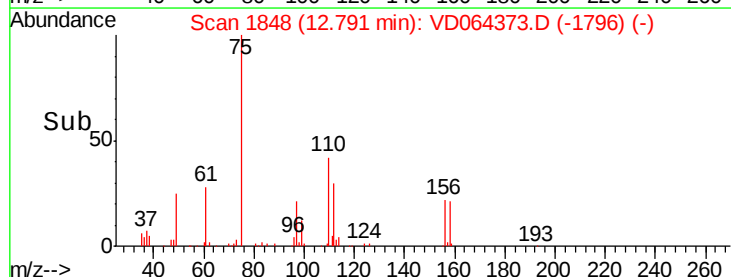
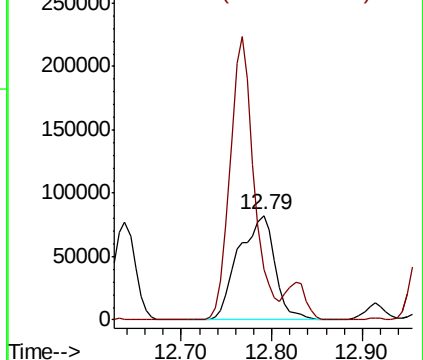
Ion Ratio Lower Upper

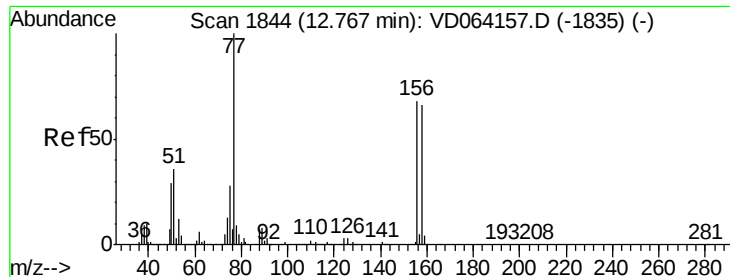
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.341 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

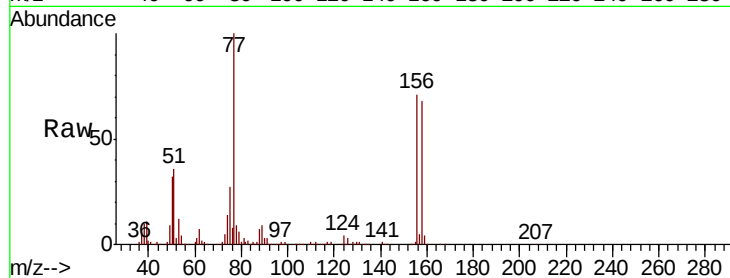
Tot Ion:156 Resp: 266360

Ion Ratio Lower Upper

156 100

77 155.7 81.2 243.4

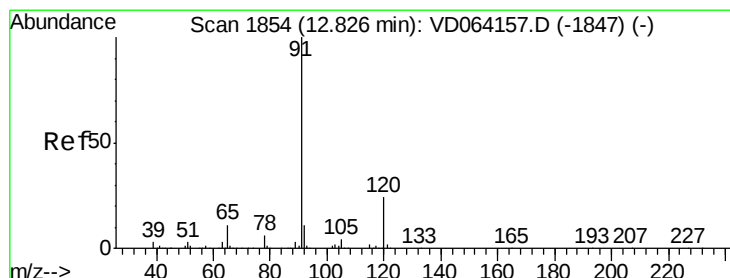
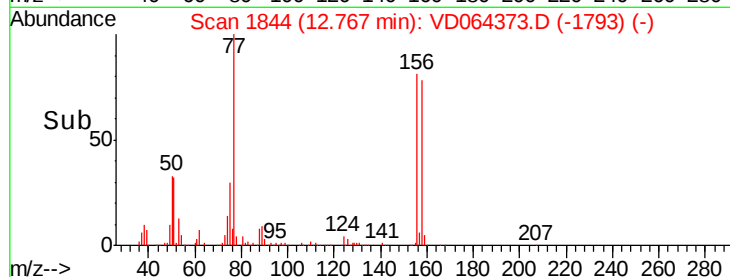
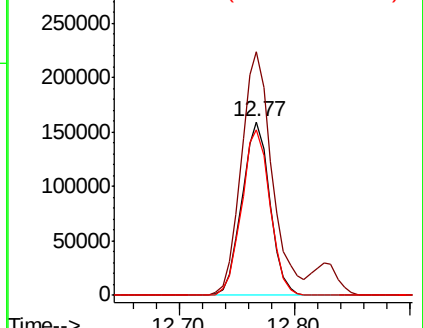
158 97.2 48.4 145.2



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: 47.882 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064373.D

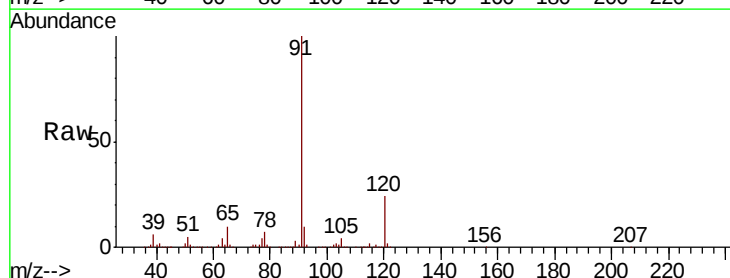
Acq: 25 Nov 2019 21:17

Tgt Ion: 91 Resp: 1168256

Ion Ratio Lower Upper

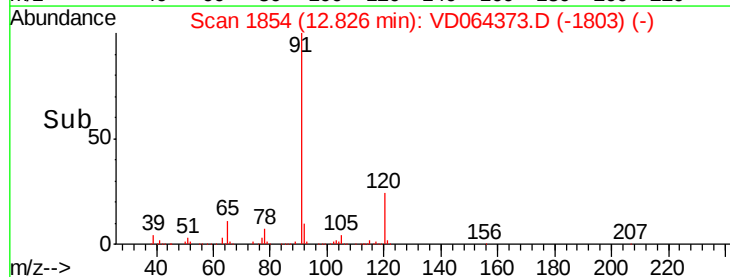
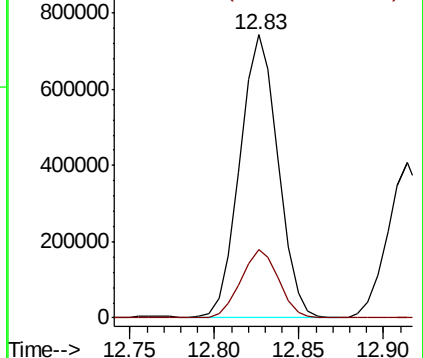
91 100

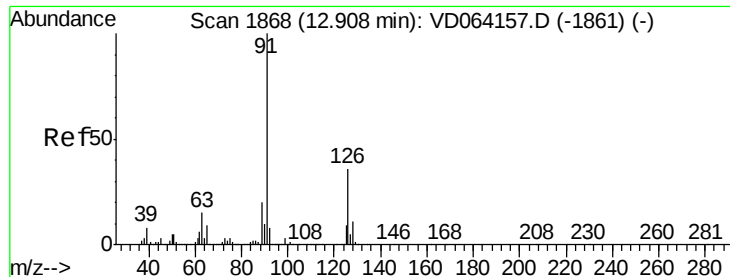
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.610 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

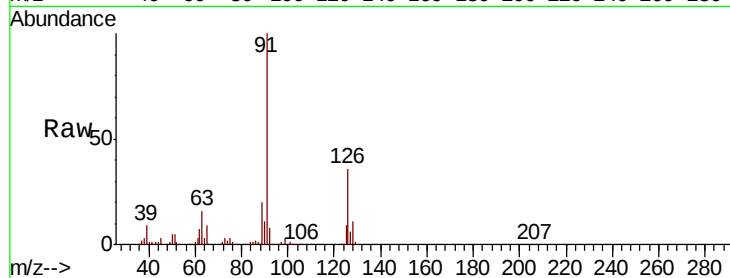
ClientSampleId :

Tot Ion: 91 Resp: 655831

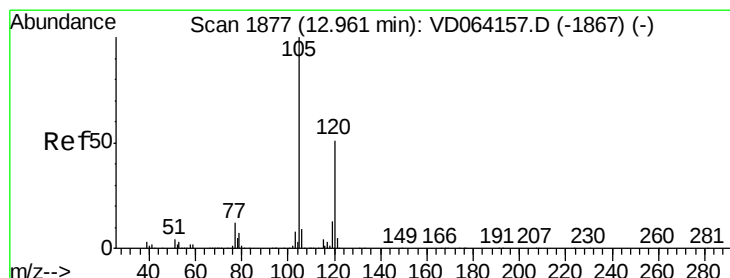
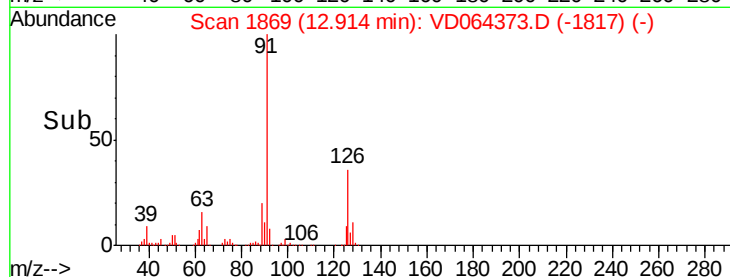
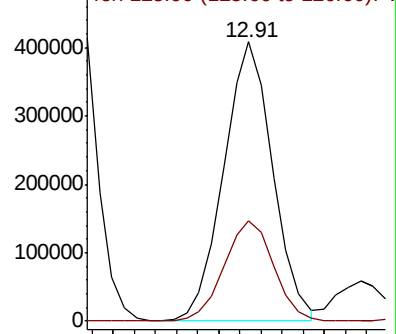
Ion Ratio Lower Upper

91 100

126 36.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 48.184 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064373.D

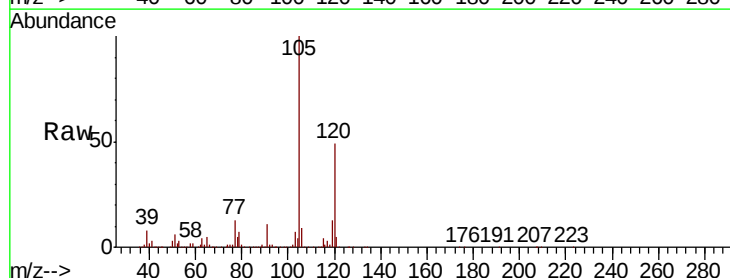
Acq: 25 Nov 2019 21:17

Tgt Ion:105 Resp: 845520

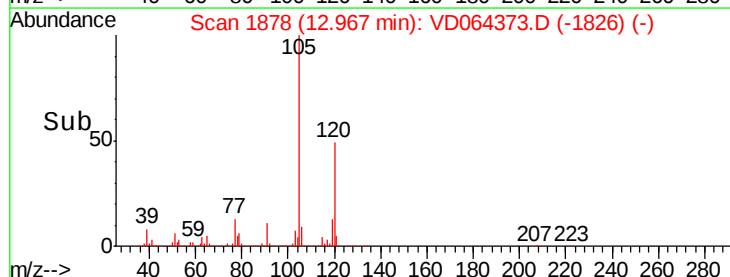
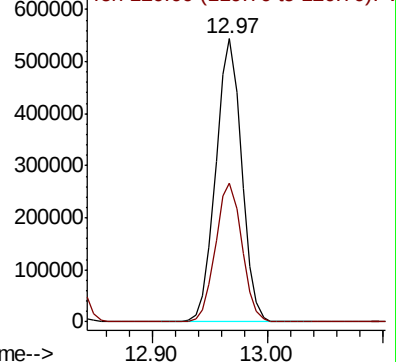
Ion Ratio Lower Upper

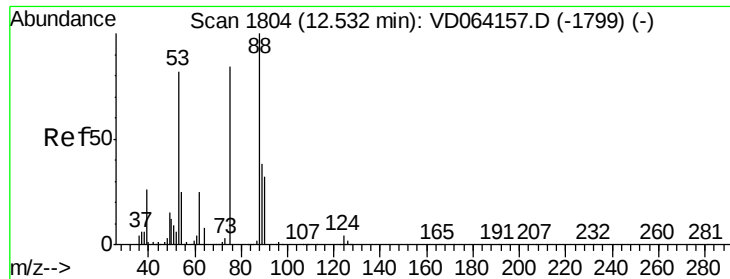
105 100

120 50.2 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

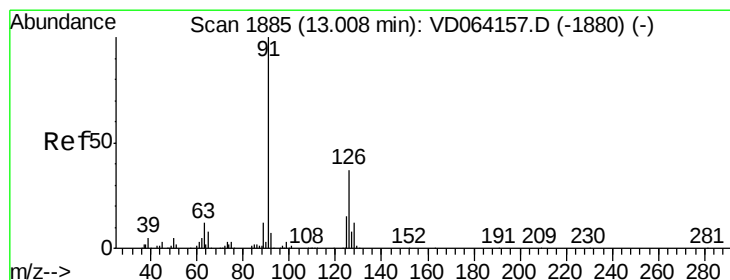
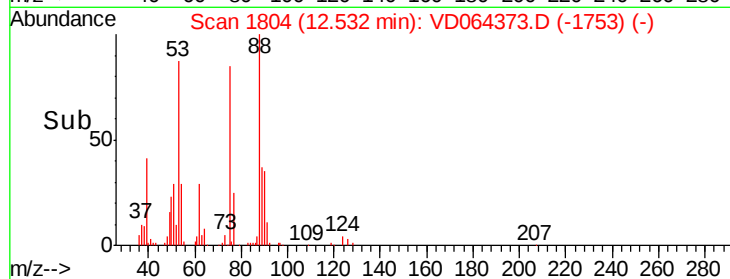
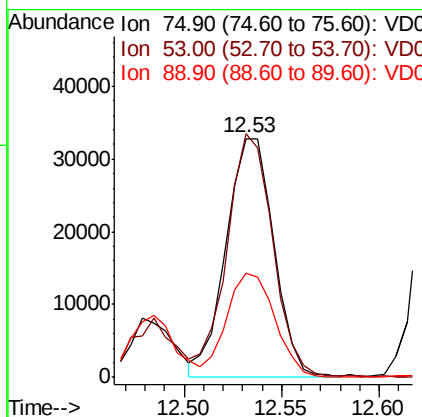
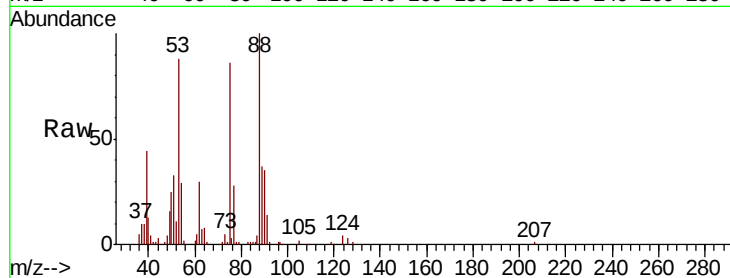




#81
trans-1,4-Dichloro-2-butene
Concen: 47.406 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

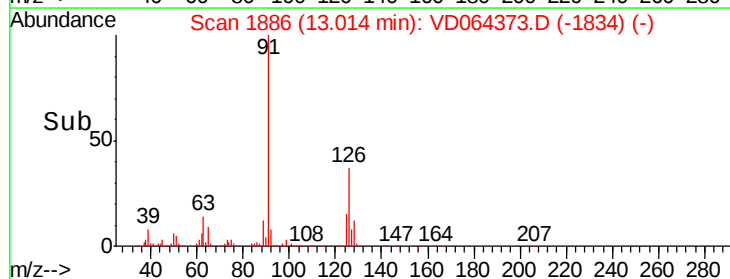
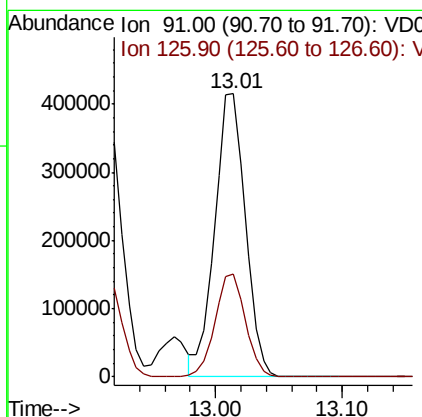
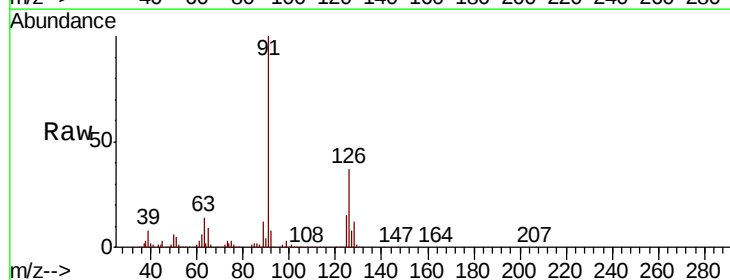
Instrument :
MSVOA_D
ClientSampleId :

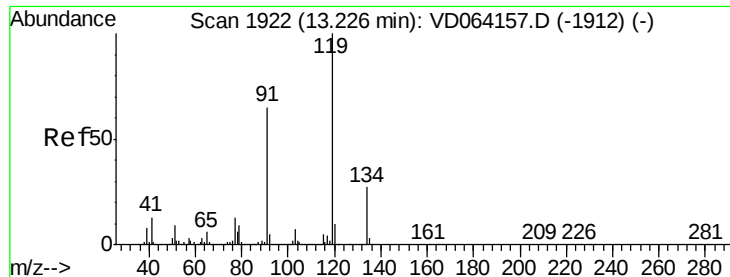
Tot Ion: 75 Resp: 55928
Ion Ratio Lower Upper
75 100
53 98.5 79.4 119.0
89 43.9 36.6 55.0



#82
4-Chlorotoluene
Concen: 48.762 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 91 Resp: 700598
Ion Ratio Lower Upper
91 100
126 35.8 17.8 53.4





#83

tert-Butylbenzene

Concen: 47.621 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampled :

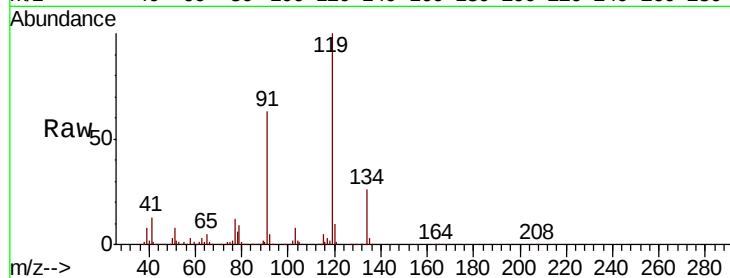
Tot Ion:119 Resp: 736851

Ion Ratio Lower Upper

119 100

91 61.7 31.8 95.4

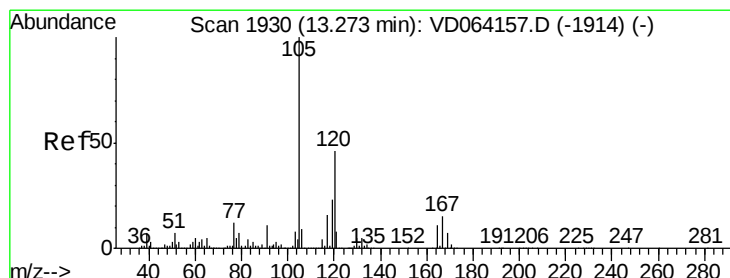
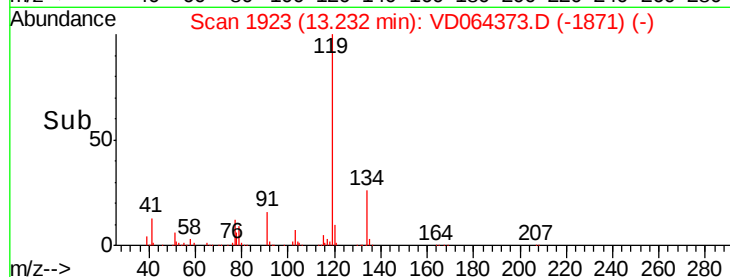
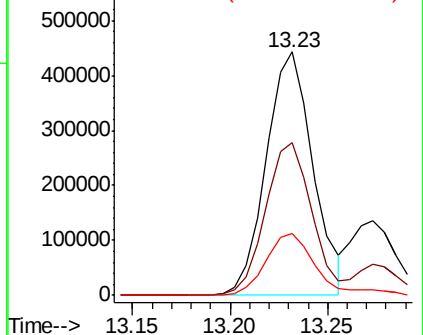
134 27.6 13.7 41.0



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: 48.908 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064373.D

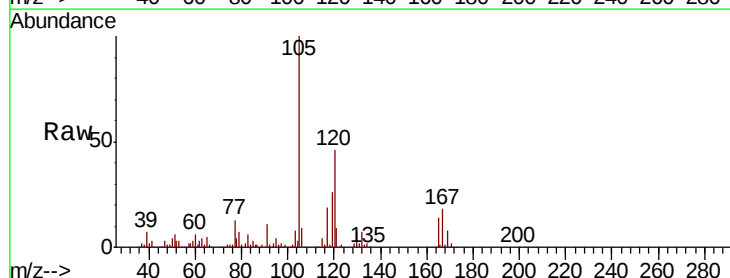
Acq: 25 Nov 2019 21:17

Tgt Ion:105 Resp: 847281

Ion Ratio Lower Upper

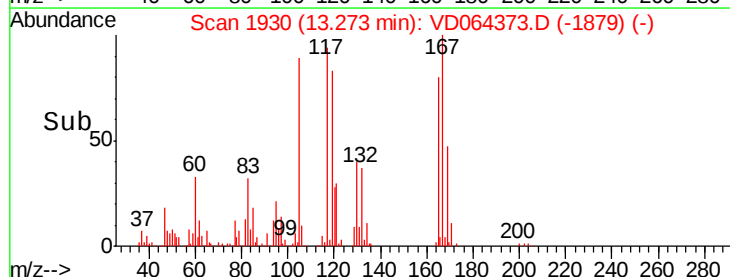
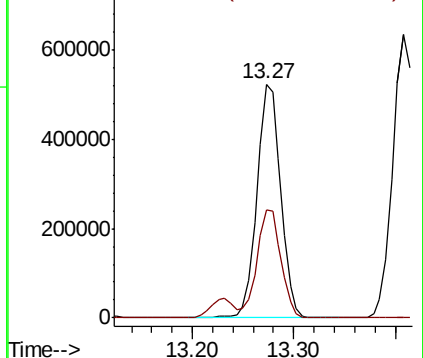
105 100

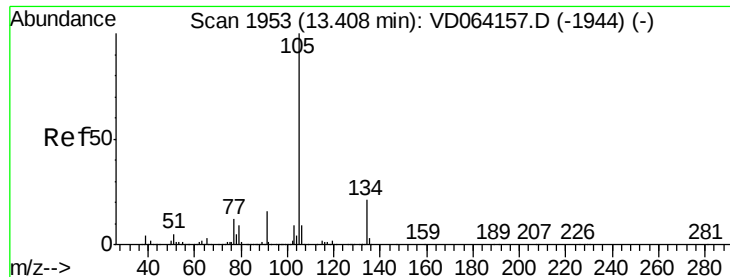
120 47.1 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

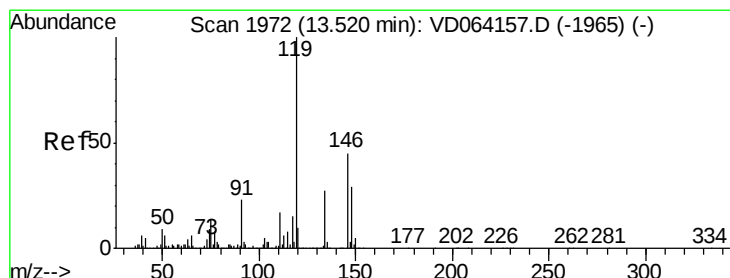
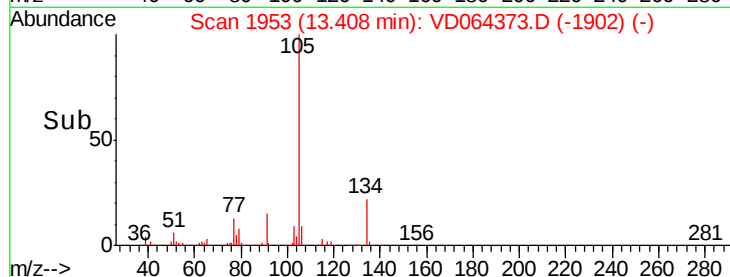
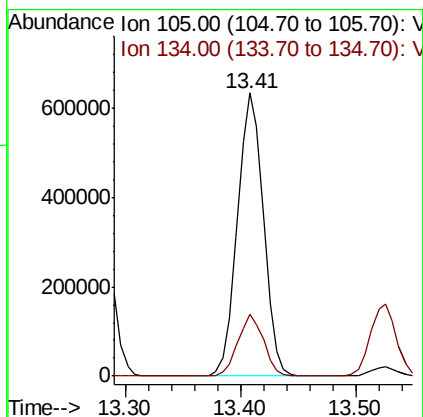
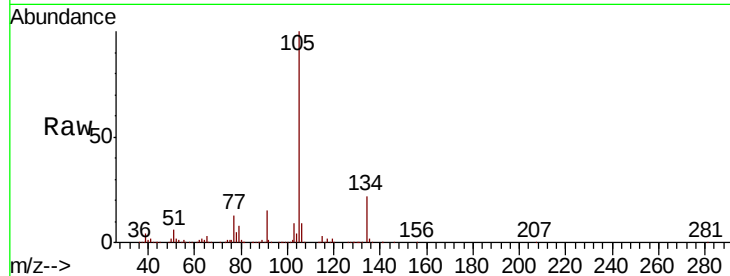




#85
 sec-Butylbenzene
 Concen: 47.572 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

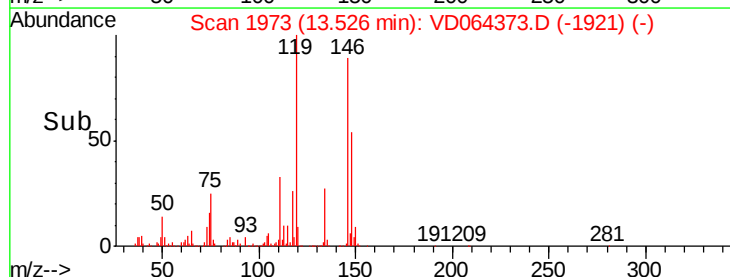
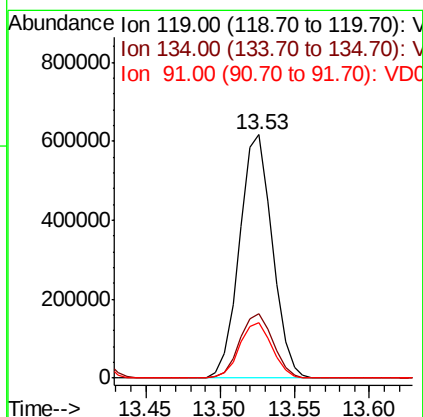
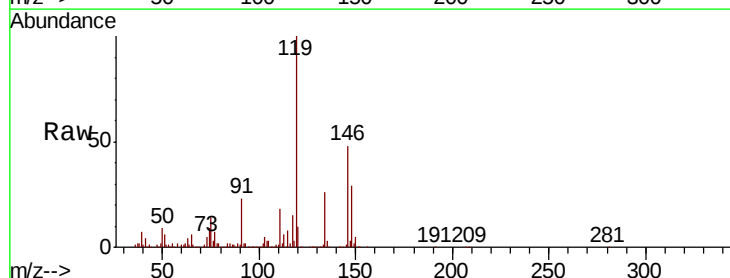
Instrument :
 MSVOA_D
 ClientSampleId :

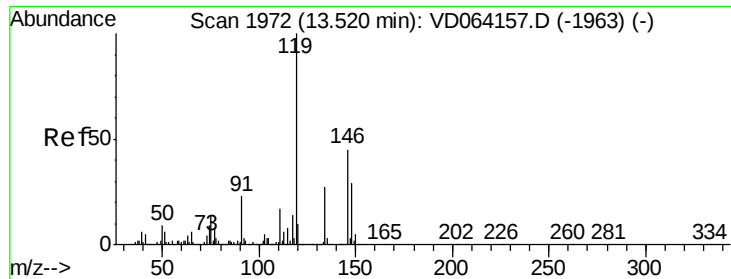
Tot Ion:105 Resp: 988638
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 47.492 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion:119 Resp: 938305
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.5
 91 22.8 11.5 34.4

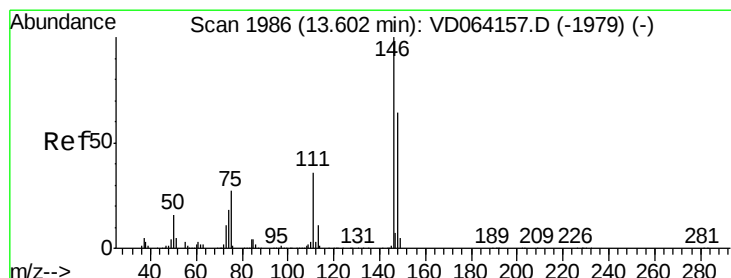
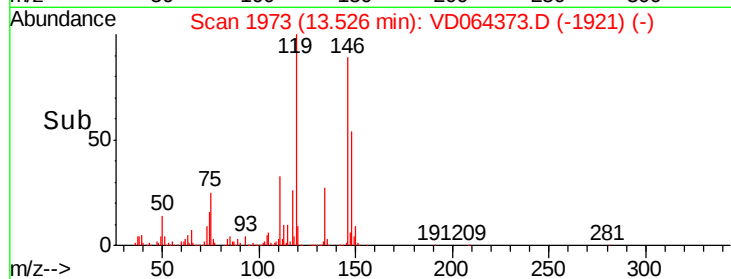
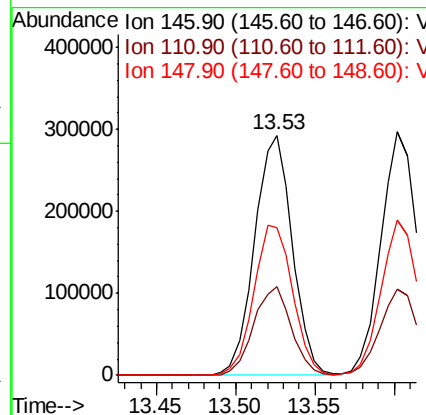
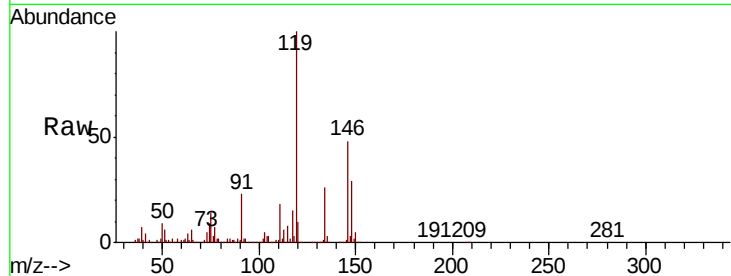




#87
 1,3-Dichlorobenzene
 Concen: 50.420 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

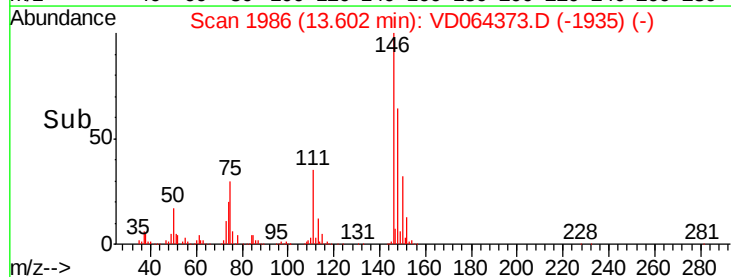
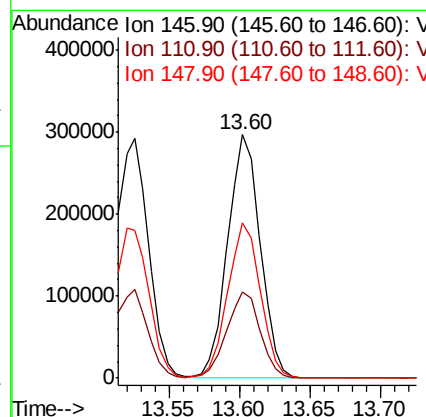
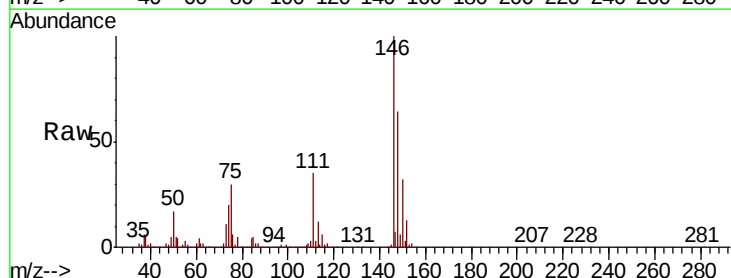
Instrument :
 MSVOA_D
 ClientSampleId :

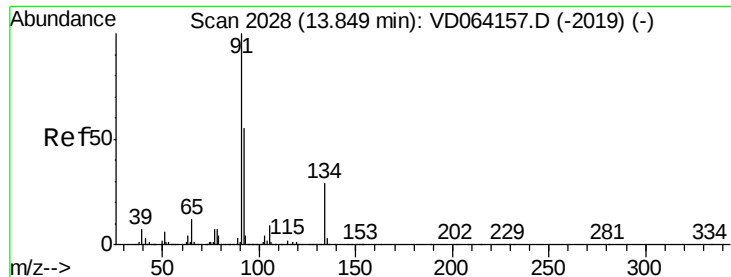
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.9
148	64.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 50.701 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.4
148	64.2	31.9	95.7

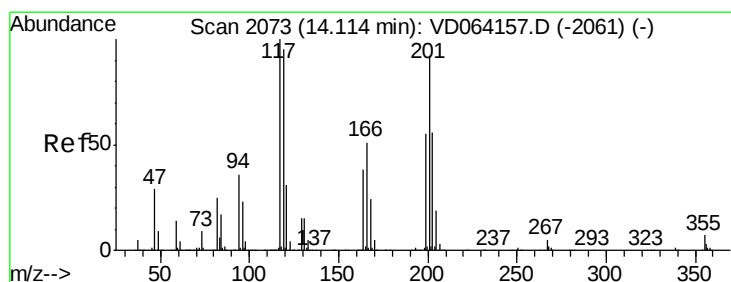
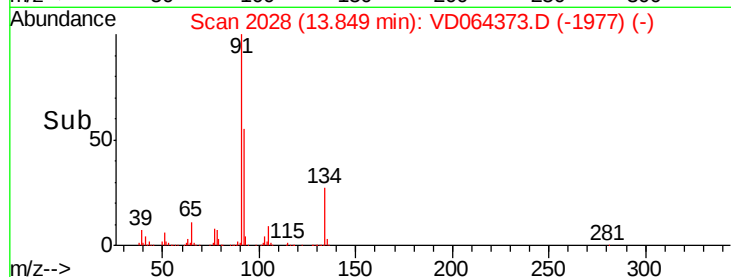
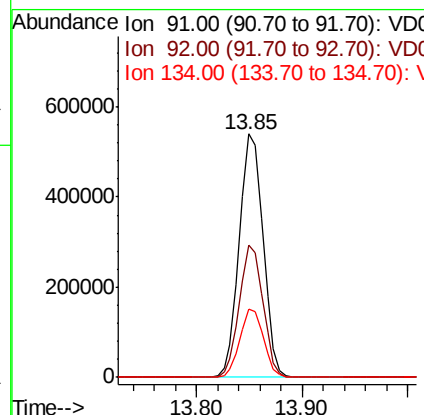
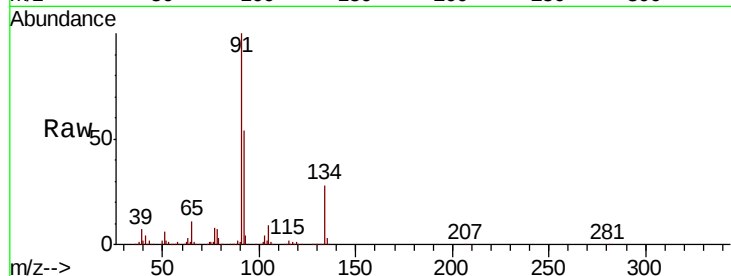




#89
n-Butylbenzene
Concen: 47.072 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

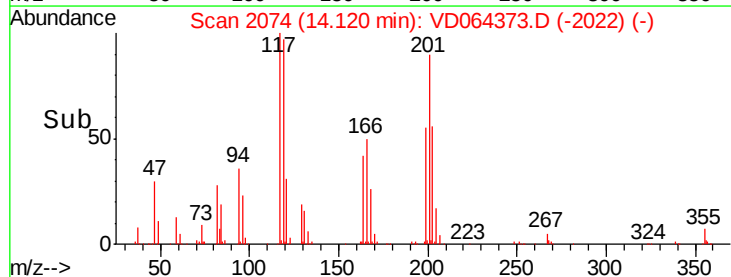
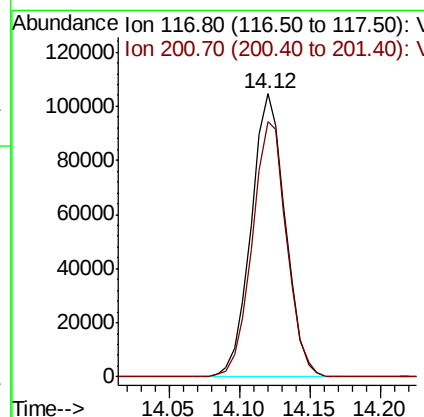
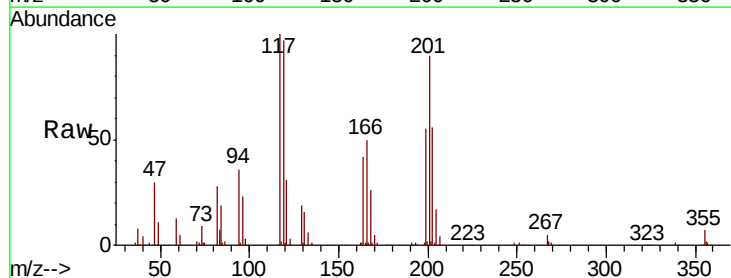
Instrument :
MSVOA_D
ClientSampleId :

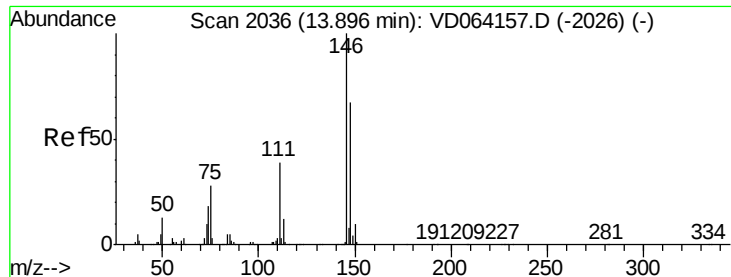
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.3	81.8
134	27.7	14.1	42.4



#90
Hexachloroethane
Concen: 48.738 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	45.8	137.4

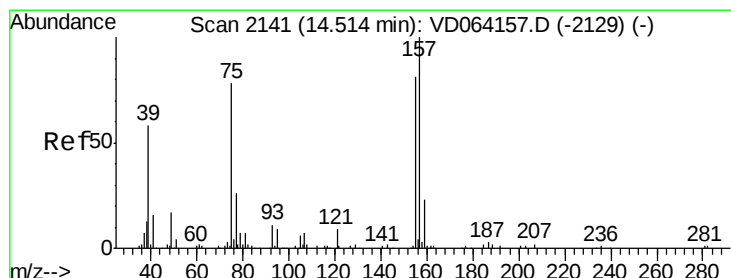
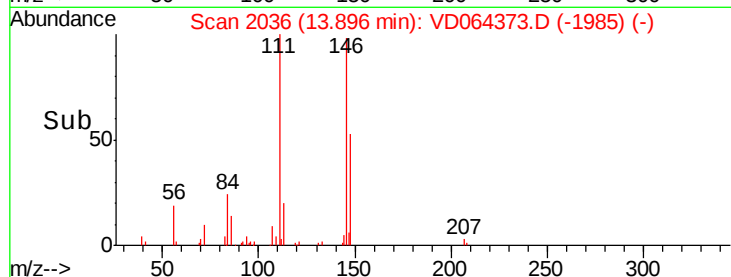
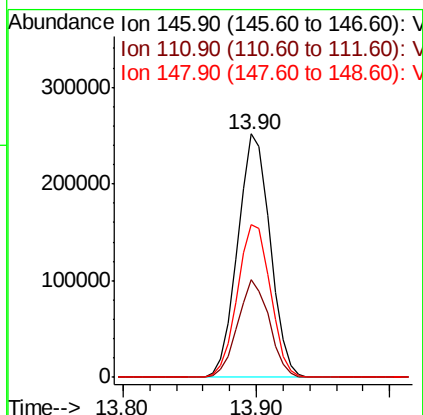
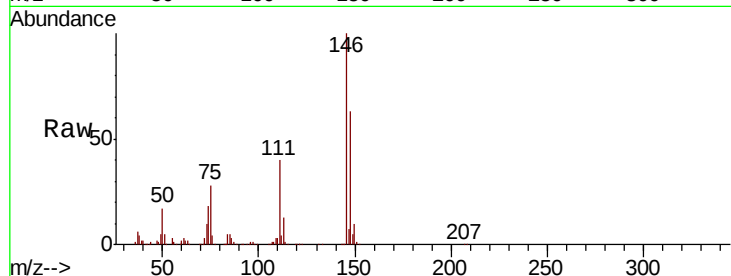




#91
 1,2-Dichlorobenzene
 Concen: 51.909 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

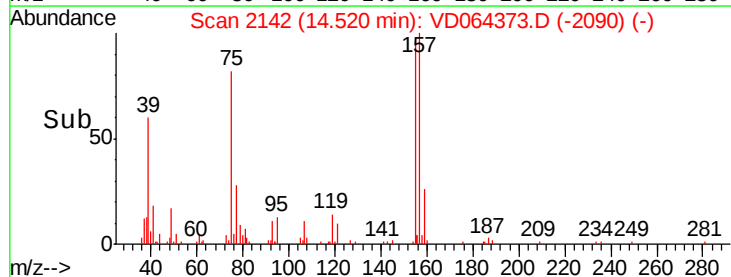
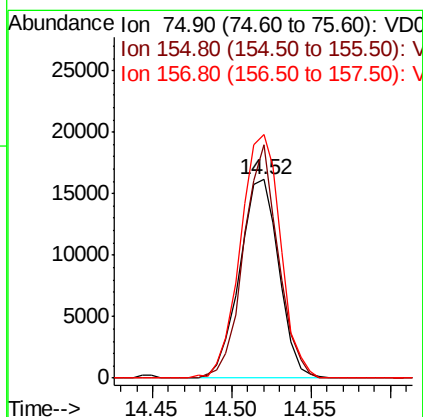
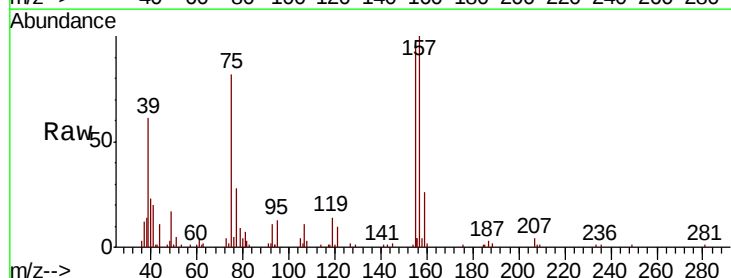
Instrument :
 MSVOA_D
 ClientSampleId :

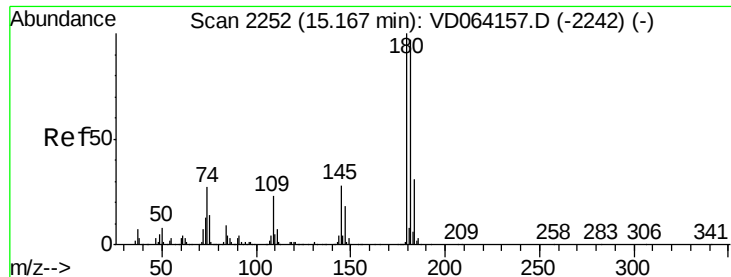
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	64.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.487 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	48.0	144.0
157	125.3	61.5	184.4

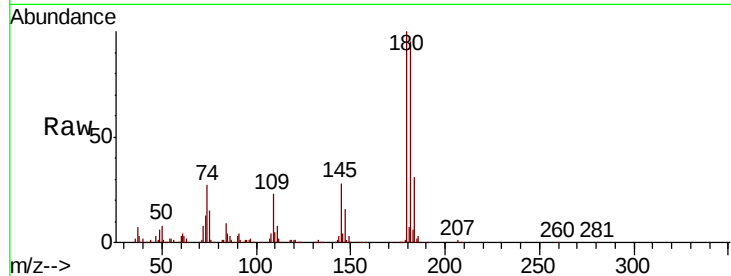




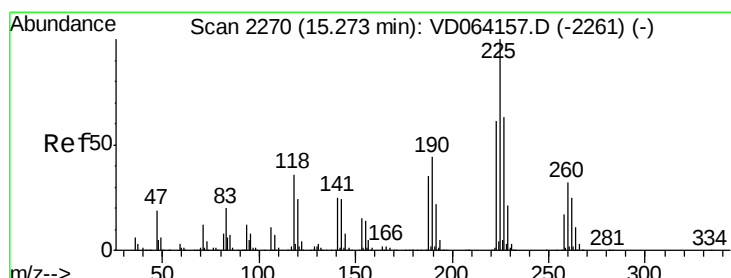
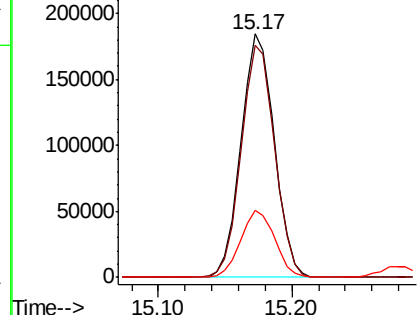
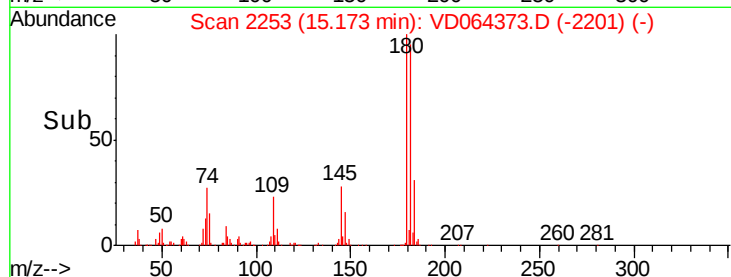
#93
 1,2,4-Trichlorobenzene
 Concen: 50.448 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.5
145	28.2	14.2	42.6

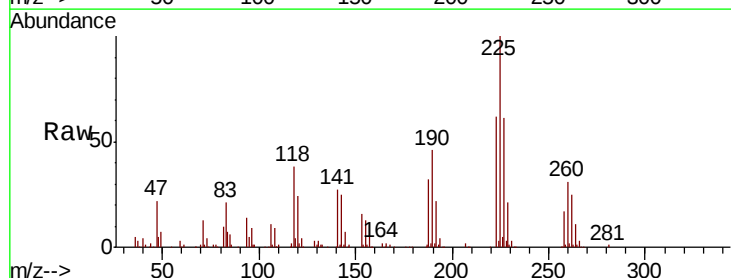


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

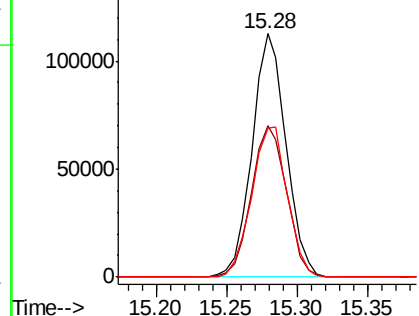
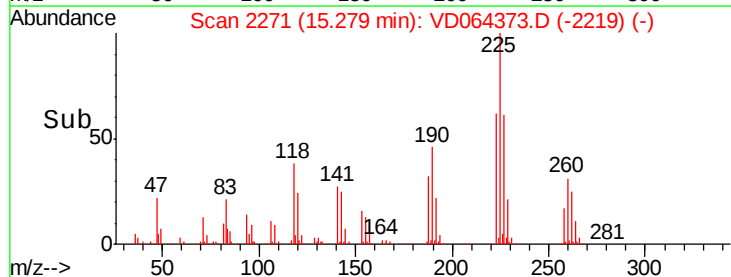


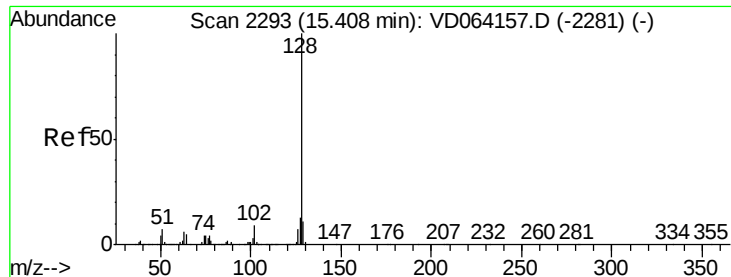
#94
 Hexachlorobutadiene
 Concen: 46.988 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.1	93.3
227	64.9	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

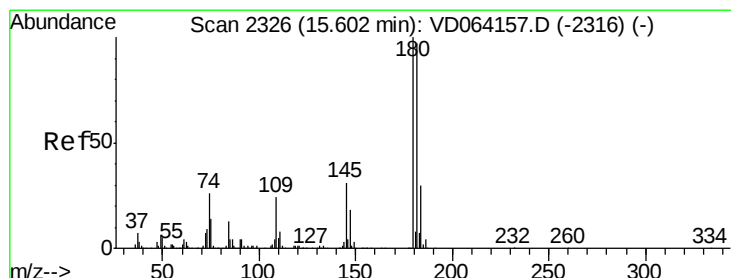
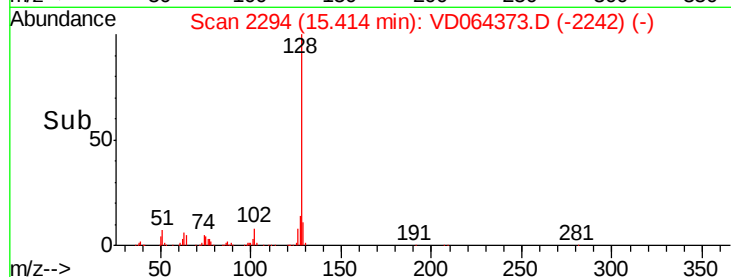
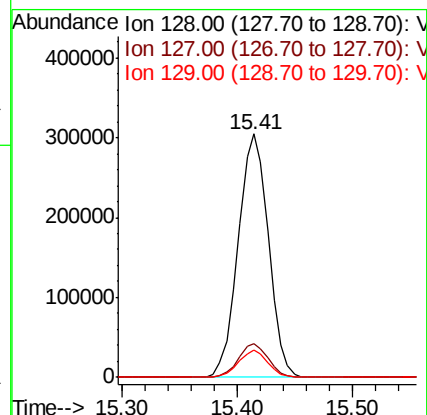
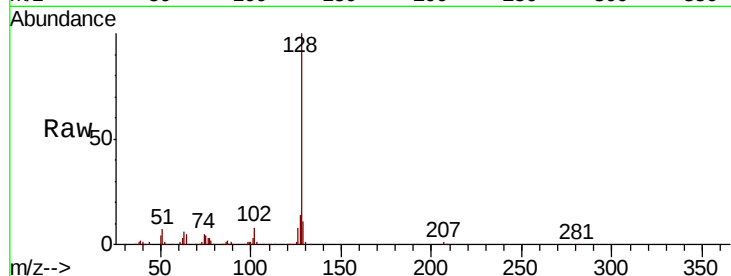




#95
Naphthalene
Concen: 53.590 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	10.9	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.296 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.3	144.9
145	28.9	15.3	45.8

