

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
 Data File : VD064773.D
 Acq On : 06 Jan 2020 15:16
 Operator : VA/SY
 Sample : VD0106SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:35:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	401312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	578002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	513634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255924	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	181599	51.32	ug/l	0.00
Spiked Amount						
			Recovery	=	102.64%	
35) Dibromofluoromethane	7.92	113	183990	51.88	ug/l	0.00
Spiked Amount						
			Recovery	=	103.76%	
50) Toluene-d8	10.34	98	683673	50.34	ug/l	0.00
Spiked Amount						
			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.64	95	217724	50.70	ug/l	0.00
Spiked Amount						
			Recovery	=	101.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	63888	20.485	ug/l	98
3) Chloromethane	2.21	50	93966	21.543	ug/l	97
4) Vinyl Chloride	2.35	62	111997	21.059	ug/l	99
5) Bromomethane	2.76	94	78393	20.273	ug/l	95
6) Chloroethane	2.92	64	73323	20.576	ug/l	99
7) Trichlorofluoromethane	3.27	101	185655	20.733	ug/l	96
8) Diethyl Ether	3.70	74	37965	21.350	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	79505	21.439	ug/l	99
10) Methyl Iodide	4.29	142	77869	19.548	ug/l	99
11) Tert butyl alcohol	5.26	59	21917	108.069	ug/l	95
12) 1,1-Dichloroethene	4.06	96	75525	21.391	ug/l	97
13) Acrolein	3.92	56	24305	85.993	ug/l	100
14) Allyl chloride	4.71	41	119916	21.784	ug/l	98
15) Acrylonitrile	5.43	53	80908	109.234	ug/l	99
16) Acetone	4.16	43	83602	107.287	ug/l	94
17) Carbon Disulfide	4.40	76	232856	20.397	ug/l	99
18) Methyl Acetate	4.73	43	43110	21.639	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	171203	21.831	ug/l	97
20) Methylene Chloride	4.96	84	90231	22.216	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	85157	21.179	ug/l	97
22) Diisopropyl ether	6.37	45	232652	21.189	ug/l	98
23) Vinyl Acetate	6.31	43	657430	105.554	ug/l	100
24) 1,1-Dichloroethane	6.26	63	143235	21.730	ug/l	98
25) 2-Butanone	7.22	43	112096	115.241	ug/l	96
26) 2,2-Dichloropropane	7.21	77	130712	21.329	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	89583	20.644	ug/l	95
28) Bromochloromethane	7.56	49	49117	19.169	ug/l	98
29) Tetrahydrofuran	7.57	42	64590	106.777	ug/l	98
30) Chloroform	7.71	83	149104	21.561	ug/l	98
31) Cyclohexane	7.98	56	136907	20.749	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	139819	21.525	ug/l	99
36) 1,1-Dichloropropene	8.11	75	118338	21.271	ug/l	99
37) Ethyl Acetate	7.30	43	45593	20.861	ug/l #	96
38) Carbon Tetrachloride	8.10	117	131197	22.117	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
 Data File : VD064773.D
 Acq On : 06 Jan 2020 15:16
 Operator : VA/SY
 Sample : VD0106SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:35:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	139751	20.740	ug/l	98
40) Benzene	8.36	78	325086	21.405	ug/l	95
41) Methacrylonitrile	7.53	41	31399	24.762	ug/l	95
42) 1,2-Dichloroethane	8.43	62	97441	22.203	ug/l	99
43) Isopropyl Acetate	8.46	43	94664	21.761	ug/l	99
44) Trichloroethene	9.11	130	92540	20.742	ug/l	99
45) 1,2-Dichloropropane	9.39	63	80620	22.233	ug/l	100
46) Dibromomethane	9.48	93	44238	21.882	ug/l	98
47) Bromodichloromethane	9.67	83	113875	21.168	ug/l	97
48) Methyl methacrylate	9.46	41	43104	21.044	ug/l	91
49) 1,4-Dioxane	9.46	88	9547	409.543	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	235171	109.373	ug/l	100
52) Toluene	10.41	92	209272	21.003	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	109299	21.792	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	127411	21.544	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	59955	22.005	ug/l	96
56) Ethyl methacrylate	10.67	69	71662	21.061	ug/l	98
57) 1,3-Dichloropropane	10.95	76	102014	21.746	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	145896	112.542	ug/l	98
59) 2-Hexanone	10.99	43	164966	113.040	ug/l	99
60) Dibromochloromethane	11.14	129	80307	21.315	ug/l	99
61) 1,2-Dibromoethane	11.25	107	57786	21.504	ug/l	98
64) Tetrachloroethene	10.88	164	85607	21.725	ug/l	96
65) Chlorobenzene	11.67	112	222392	20.862	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	85001	21.151	ug/l	99
67) Ethyl Benzene	11.75	91	396526	20.493	ug/l	97
68) m/p-Xylenes	11.86	106	306425	41.029	ug/l	98
69) o-Xylene	12.18	106	139024	20.609	ug/l	100
70) Styrene	12.20	104	242371	20.469	ug/l	98
71) Bromoform	12.37	173	49312	21.516	ug/l #	98
73) Isopropylbenzene	12.48	105	383459	20.967	ug/l	100
74) N-amyl acetate	12.30	43	82013	20.978	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61916	21.551	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	83930	41.530	ug/l #	100
77) Bromobenzene	12.77	156	93720	20.855	ug/l	100
78) n-propylbenzene	12.83	91	449556	21.070	ug/l	100
79) 2-Chlorotoluene	12.91	91	250051	21.334	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	317009	21.101	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21046	21.781	ug/l	98
82) 4-Chlorotoluene	13.01	91	260447	20.880	ug/l	100
83) tert-Butylbenzene	13.23	119	265668	20.367	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	311656	20.829	ug/l	98
85) sec-Butylbenzene	13.41	105	374117	20.921	ug/l	98
86) p-Isopropyltoluene	13.53	119	353977	20.701	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	177571	20.728	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	178400	21.198	ug/l	99
89) n-Butylbenzene	13.86	91	321986	20.910	ug/l	98
90) Hexachloroethane	14.12	117	68633	21.012	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	156287	21.395	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10341	22.203	ug/l	89

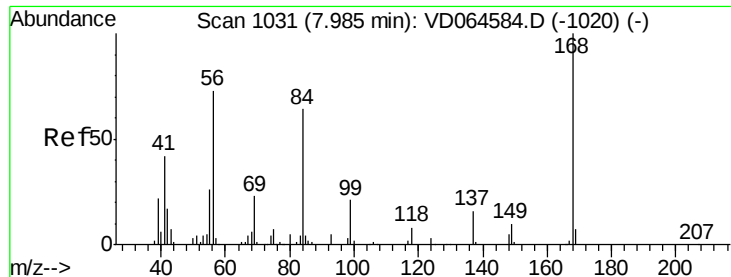
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
Data File : VD064773.D
Acq On : 06 Jan 2020 15:16
Operator : VA/SY
Sample : VD0106SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jan 07 00:35:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	111931	20.810	ug/l	99
94) Hexachlorobutadiene	15.28	225	64484	19.052	ug/l	96
95) Naphthalene	15.41	128	176125	20.698	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	94909	20.669	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

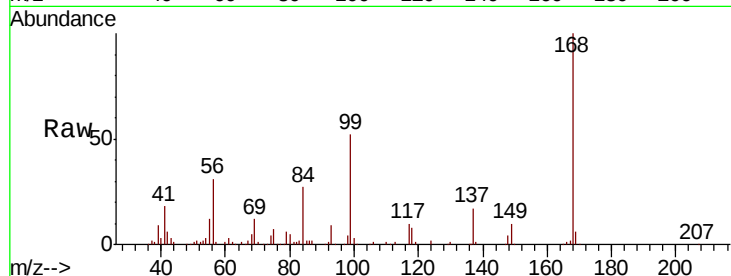
ClientSampleId :

Tot Ion:168 Resp: 401312

Ion Ratio Lower Upper

168 100

99 52.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

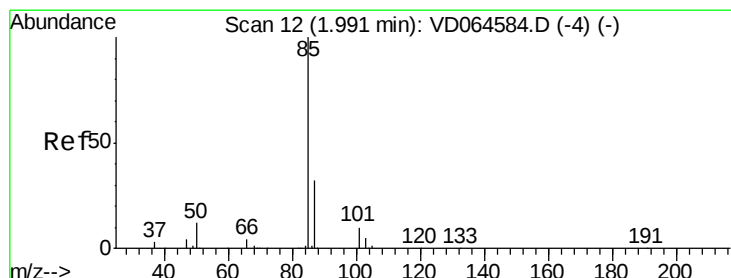
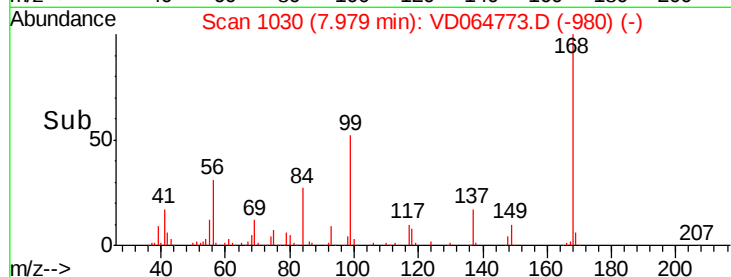
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.485 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064773.D

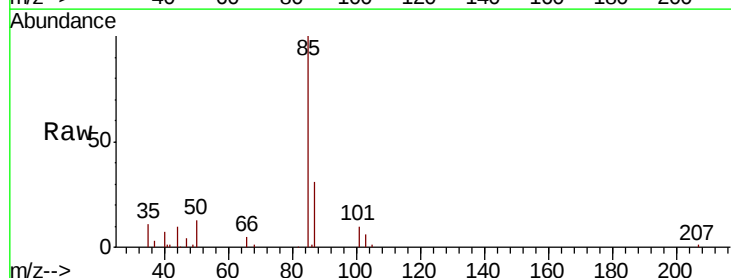
Acq: 06 Jan 2020 15:16

Tgt Ion: 85 Resp: 63888

Ion Ratio Lower Upper

85 100

87 31.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

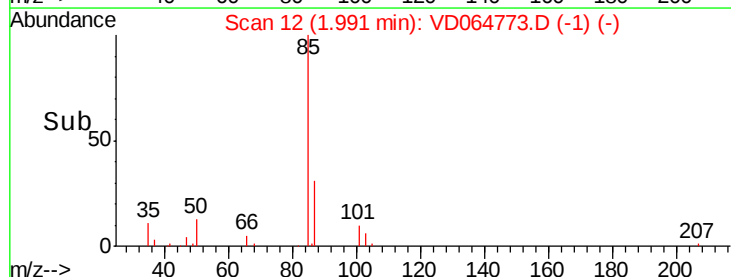
20000

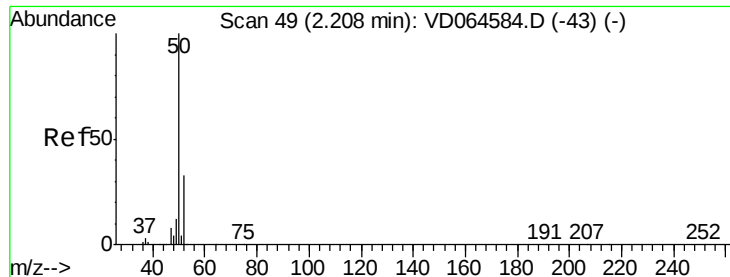
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.543 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

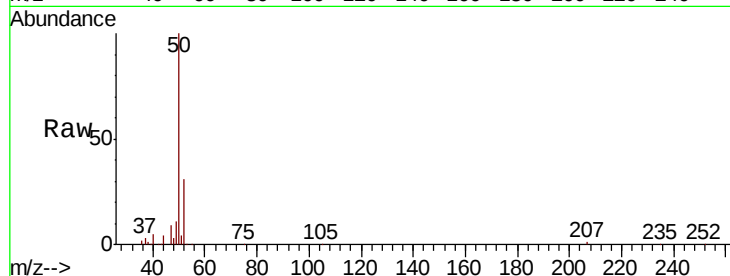
ClientSampleId :

Tot Ion: 50 Resp: 93966

Ion Ratio Lower Upper

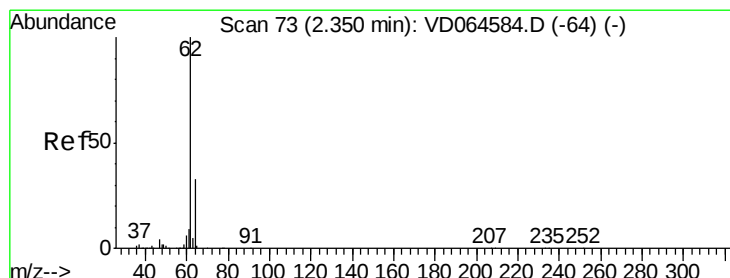
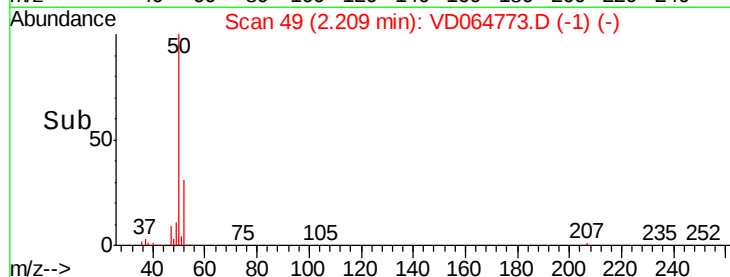
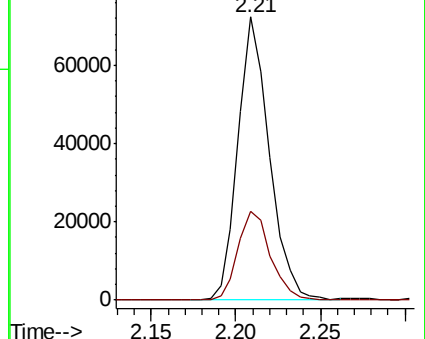
50 100

52 31.5 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.059 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064773.D

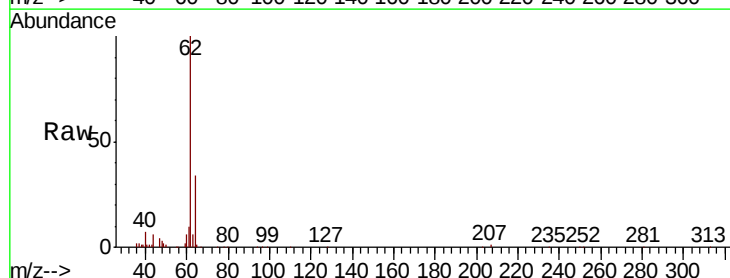
Acq: 06 Jan 2020 15:16

Tgt Ion: 62 Resp: 111997

Ion Ratio Lower Upper

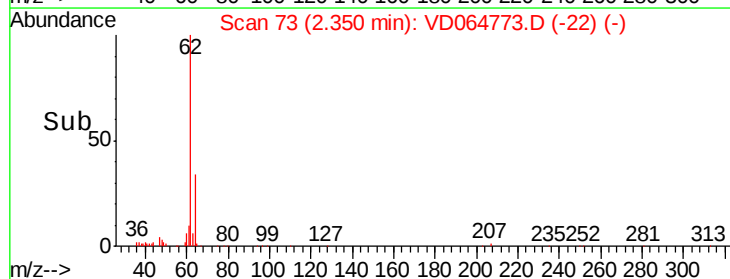
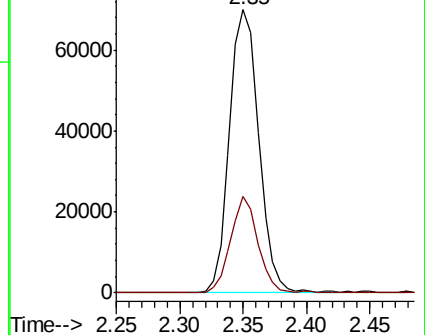
62 100

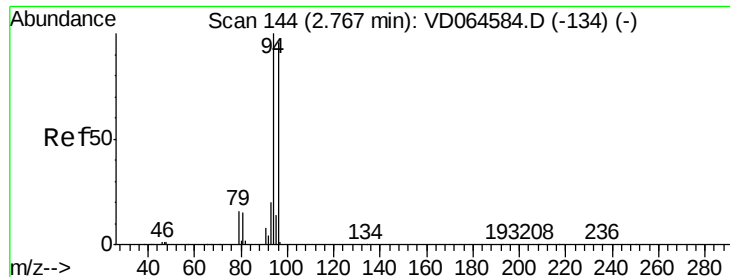
64 33.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.273 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

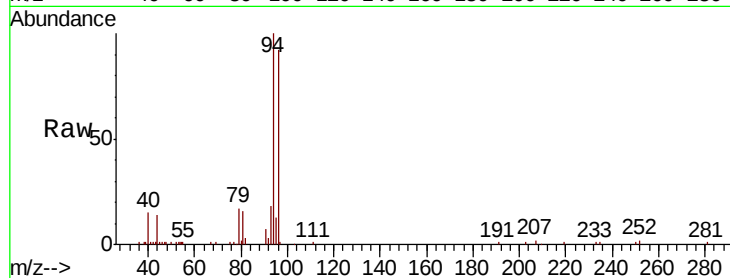
ClientSampleId :

Tot Ion: 94 Resp: 78393

Ion Ratio Lower Upper

94 100

96 91.2 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

30000

20000

10000

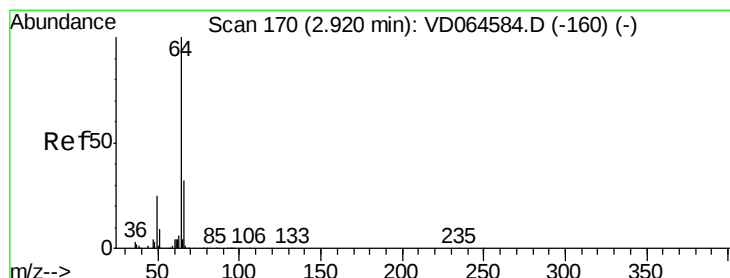
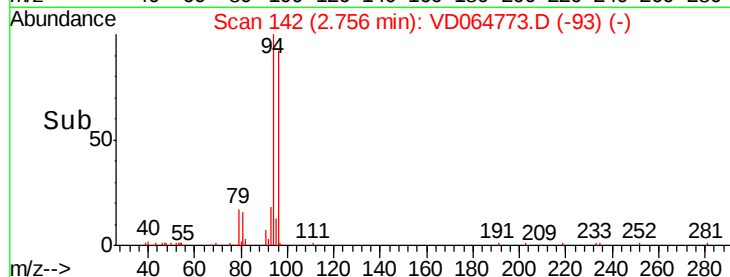
0

Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 20.576 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064773.D

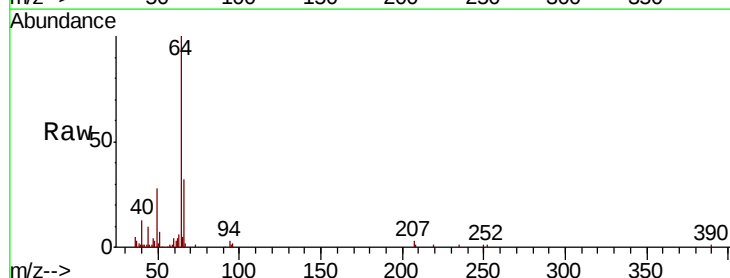
Acq: 06 Jan 2020 15:16

Tgt Ion: 64 Resp: 73323

Ion Ratio Lower Upper

64 100

66 32.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

20000

10000

0

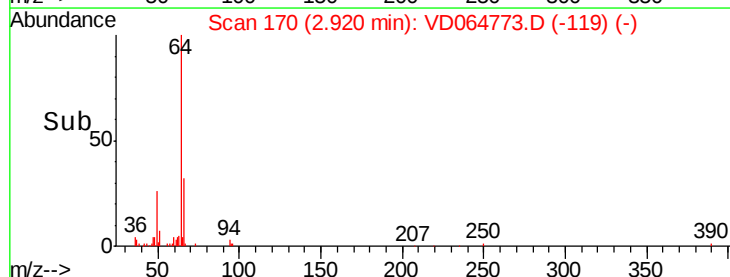
Time-->

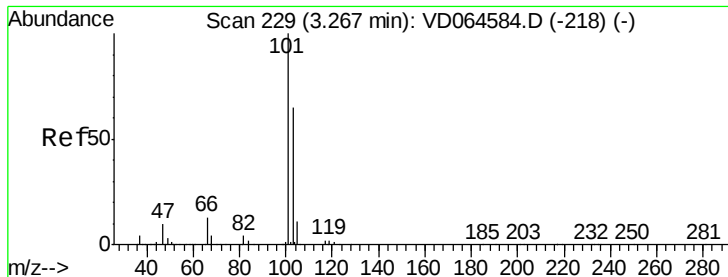
2.85

2.90

2.95

3.00



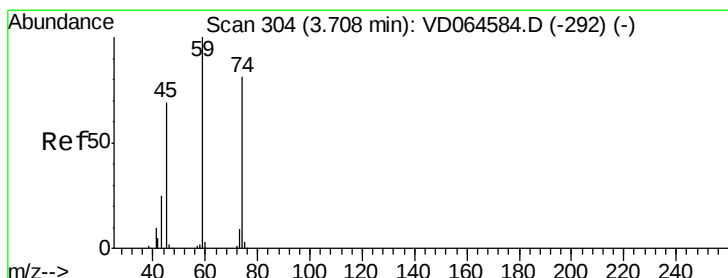
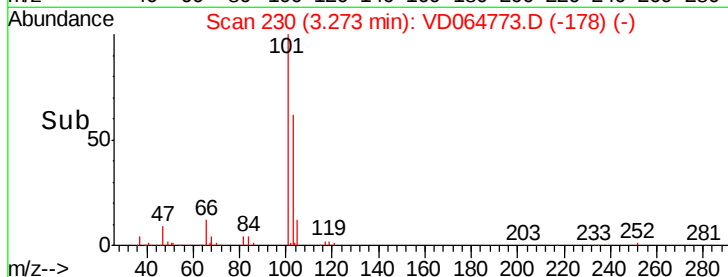
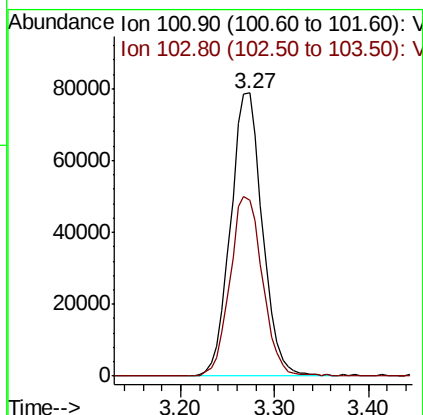
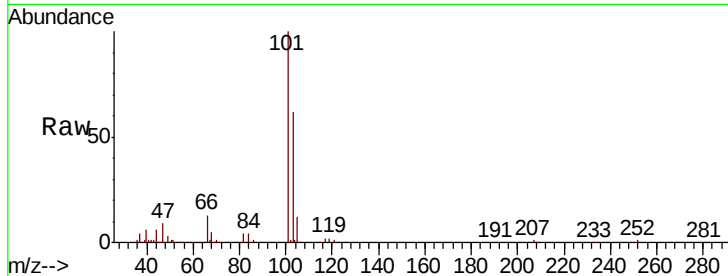


#7

Trichlorofluoromethane
 Concen: 20.733 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :

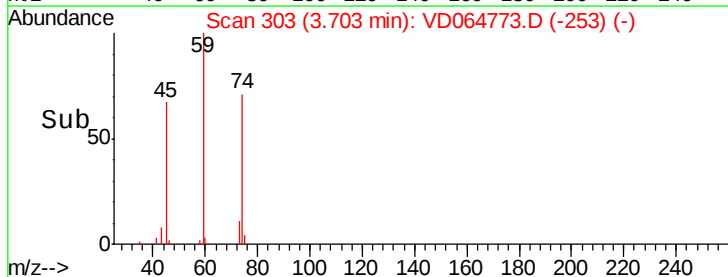
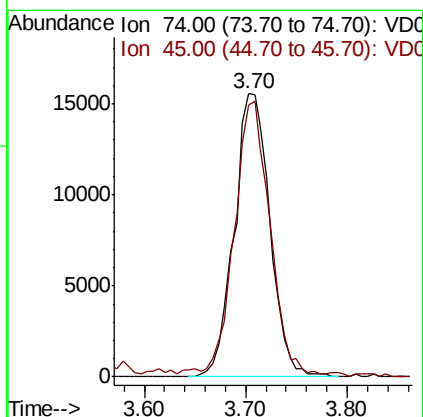
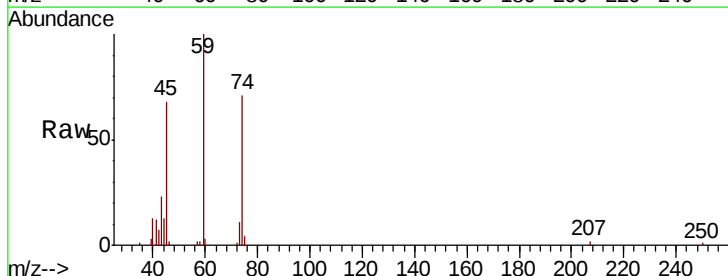
Tot Ion:101 Resp: 185655
 Ion Ratio Lower Upper
 101 100
 103 62.3 52.2 78.4

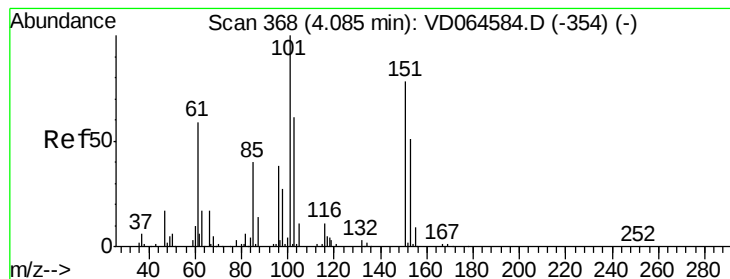


#8

Diethyl Ether
 Concen: 21.350 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion: 74 Resp: 37965
 Ion Ratio Lower Upper
 74 100
 45 95.0 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.439 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

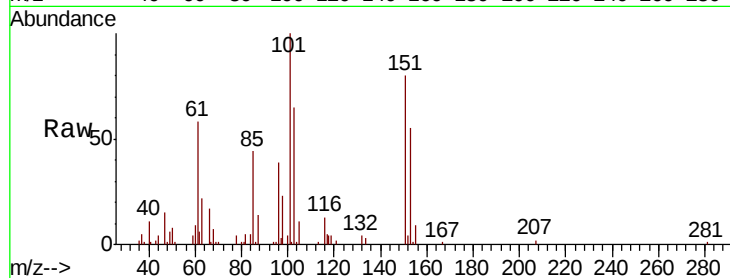
Tot Ion:101 Resp: 79505

Ion Ratio Lower Upper

101 100

85 44.0 35.2 52.8

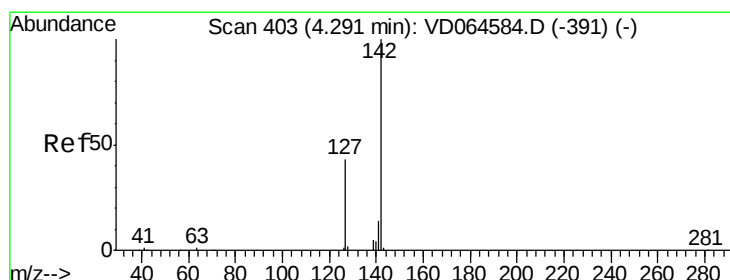
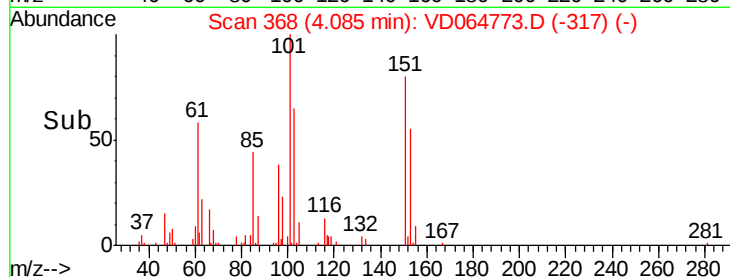
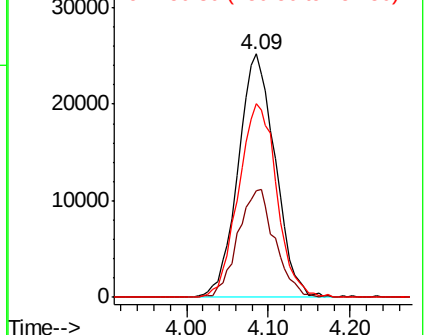
151 82.0 66.2 99.4



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: 19.548 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

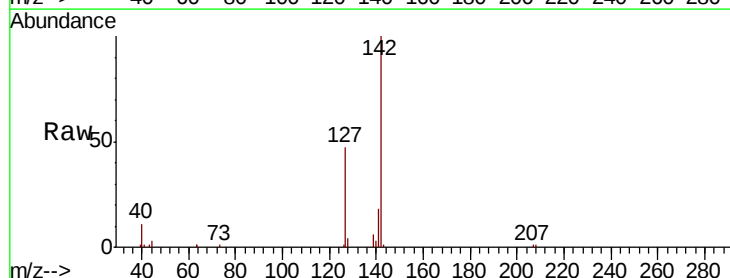
Tgt Ion:142 Resp: 77869

Ion Ratio Lower Upper

142 100

127 45.7 36.2 54.4

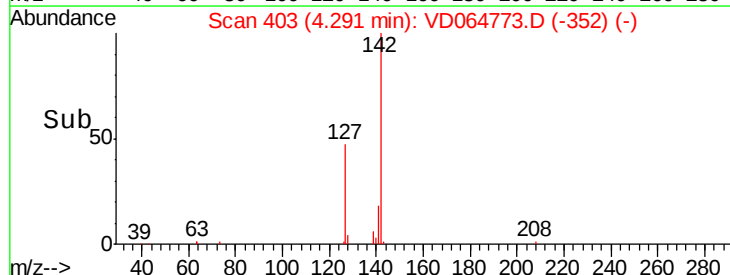
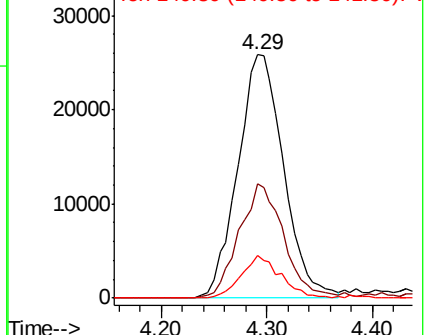
141 15.1 11.8 17.8

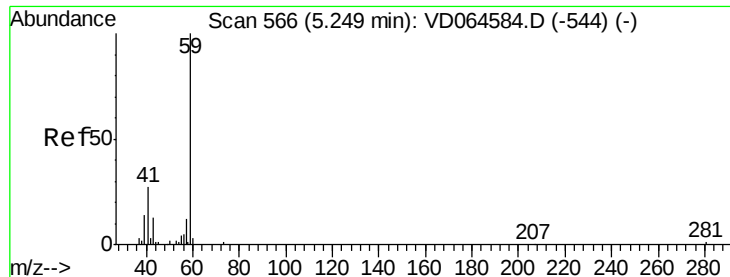


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



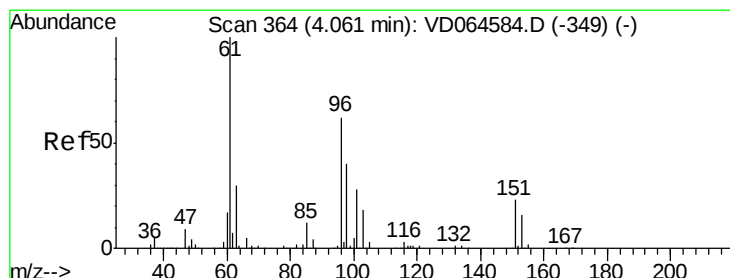
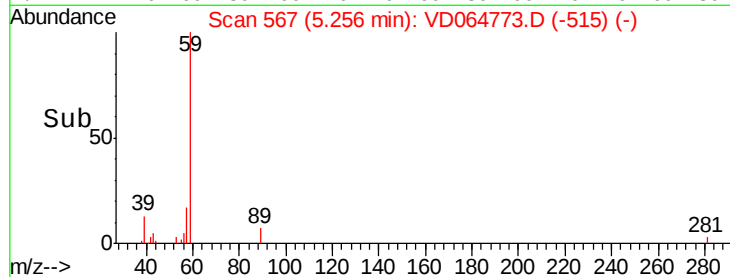
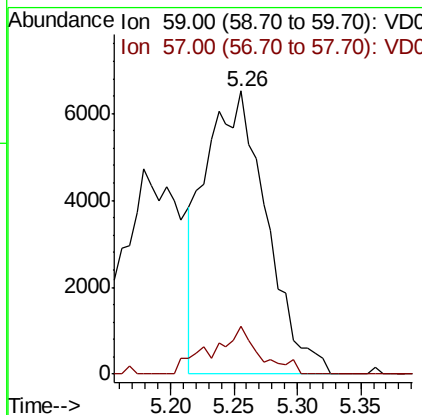
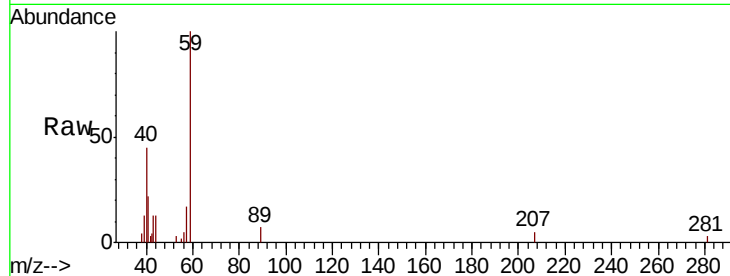


#11

Tert butyl alcohol
Concen: 108.069 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampled :

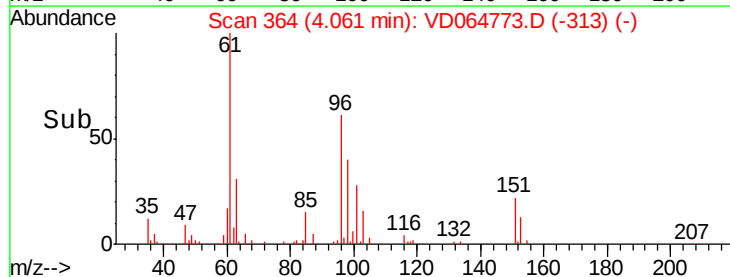
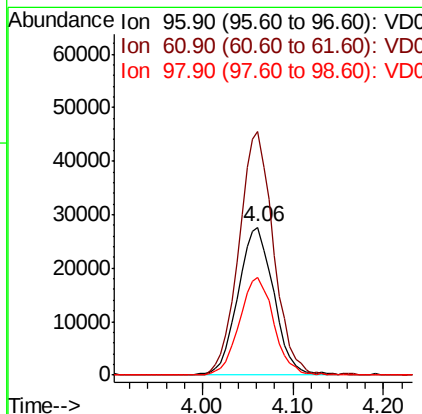
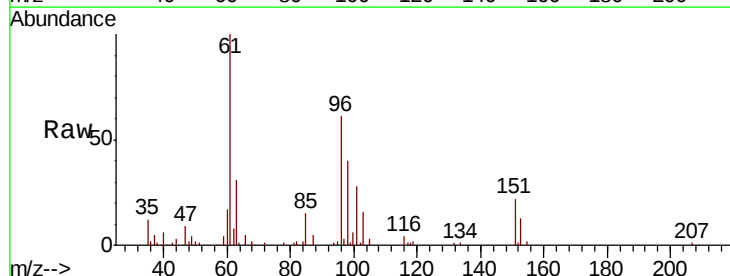
Tot Ion: 59 Resp: 21917
Ion Ratio Lower Upper
59 100
57 9.6 9.3 13.9

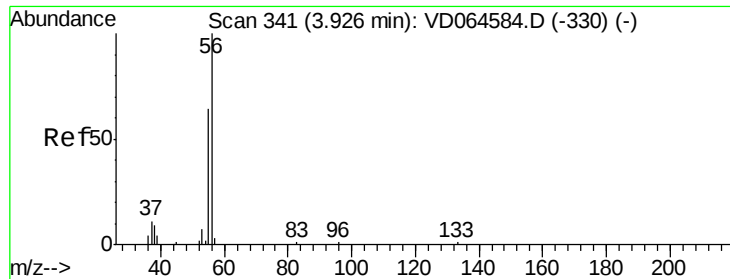


#12

1,1-Dichloroethene
Concen: 21.391 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion: 96 Resp: 75525
Ion Ratio Lower Upper
96 100
61 164.9 129.4 194.0
98 66.4 51.4 77.0





#13

Acrolein

Concen: 85.993 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

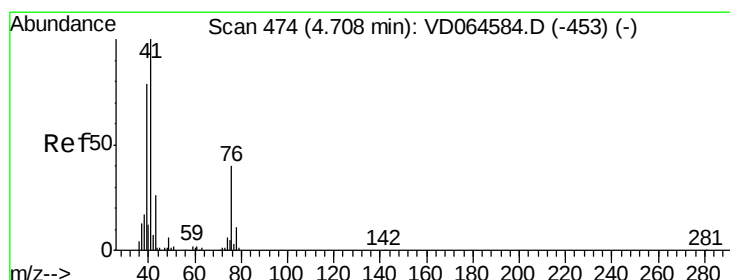
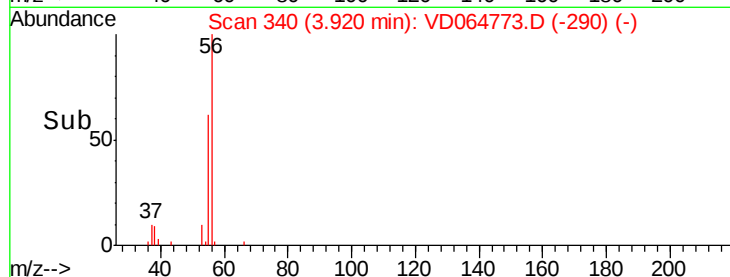
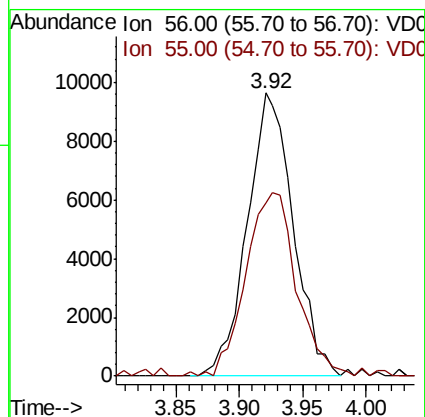
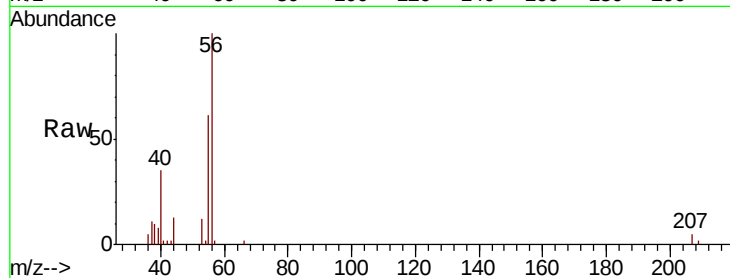
ClientSampled :

Tot Ion: 56 Resp: 24305

Ion Ratio Lower Upper

56 100

55 71.3 56.7 85.1



#14

Allyl chloride

Concen: 21.784 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

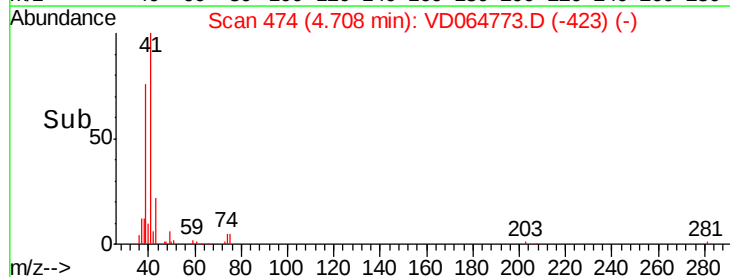
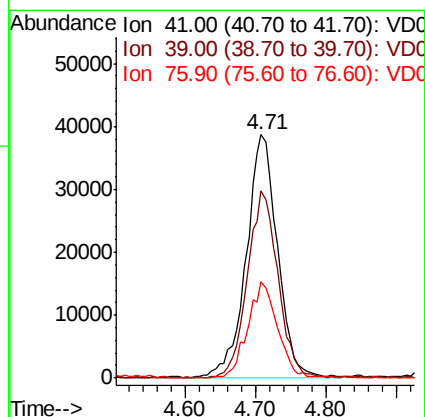
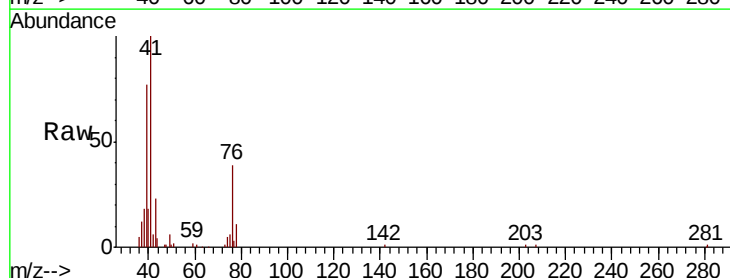
Tgt Ion: 41 Resp: 119916

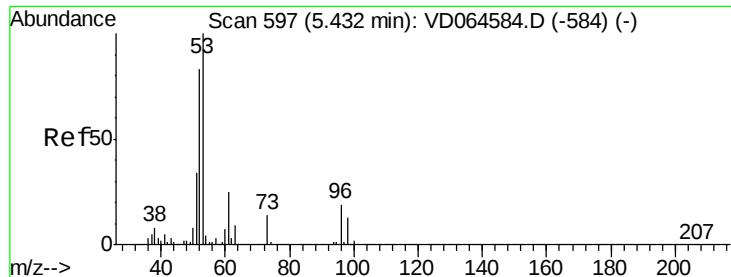
Ion Ratio Lower Upper

41 100

39 75.0 62.3 93.5

76 37.5 29.7 44.5





#15

Acrylonitrile

Concen: 109.234 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

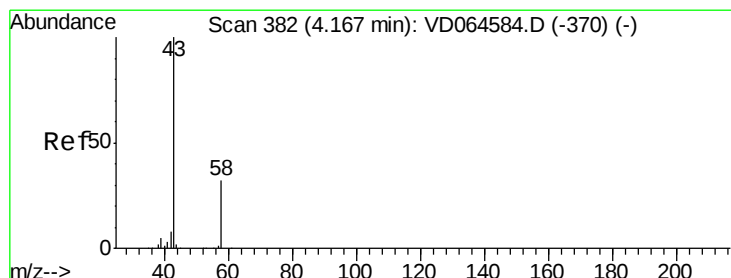
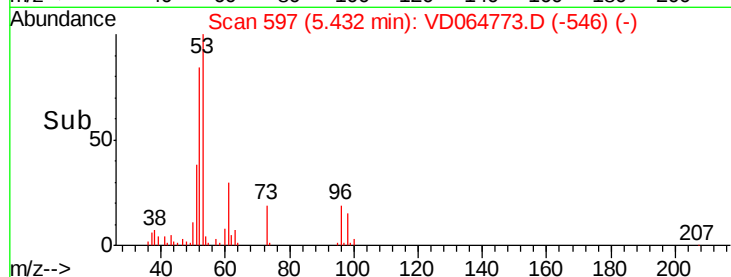
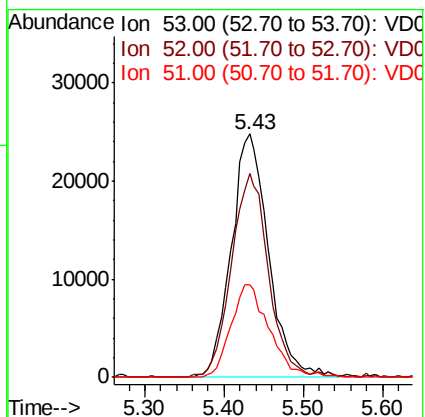
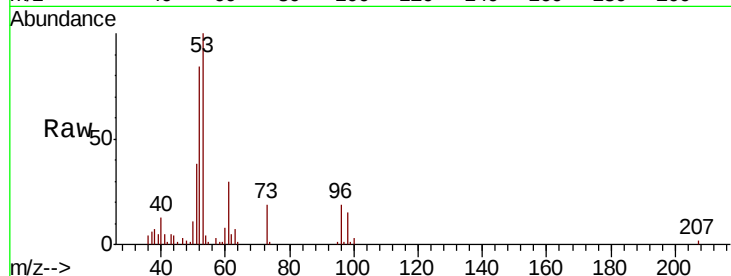
Tot Ion: 53 Resp: 80908

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.2

51 38.7 30.1 45.1



#16

Acetone

Concen: 107.287 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064773.D

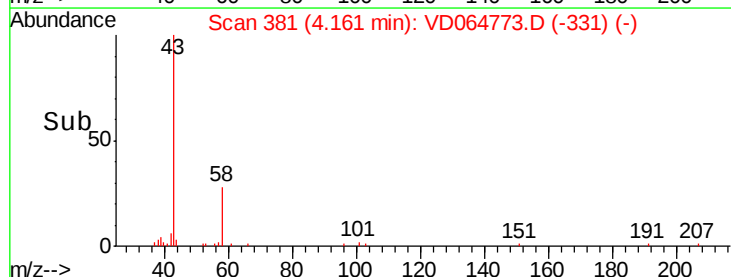
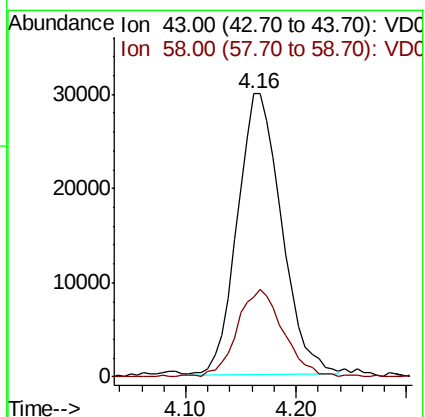
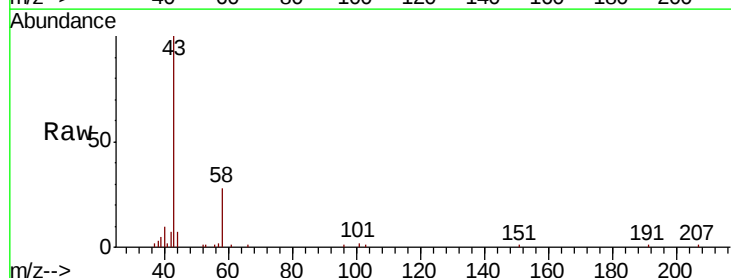
Acq: 06 Jan 2020 15:16

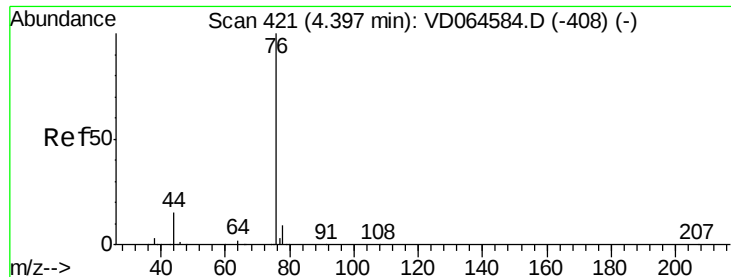
Tgt Ion: 43 Resp: 83602

Ion Ratio Lower Upper

43 100

58 28.6 25.8 38.6

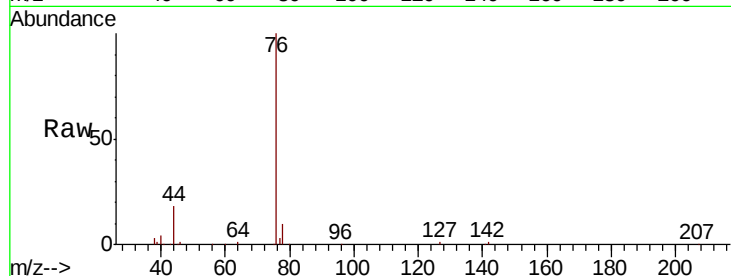




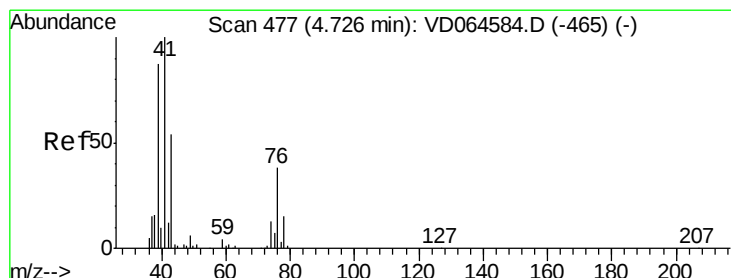
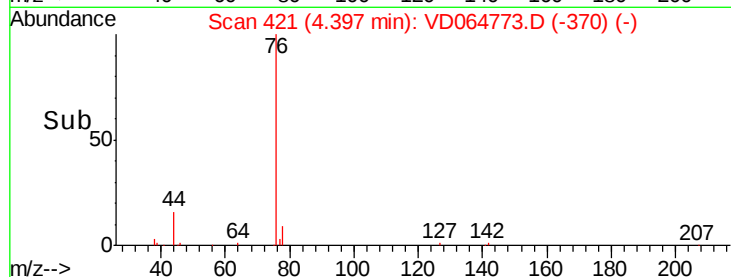
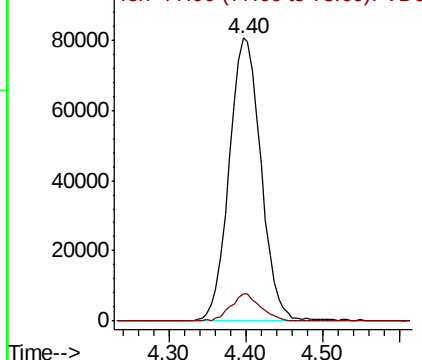
#17
Carbon Disulfide
Concen: 20.397 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 232856
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

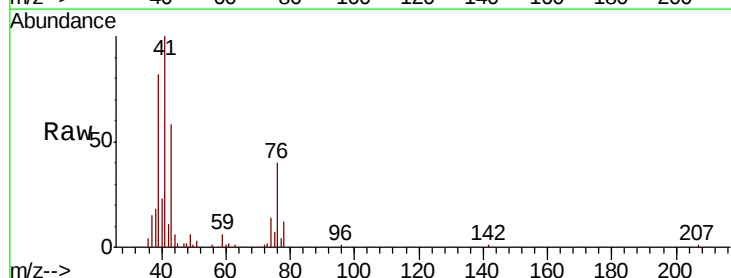


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

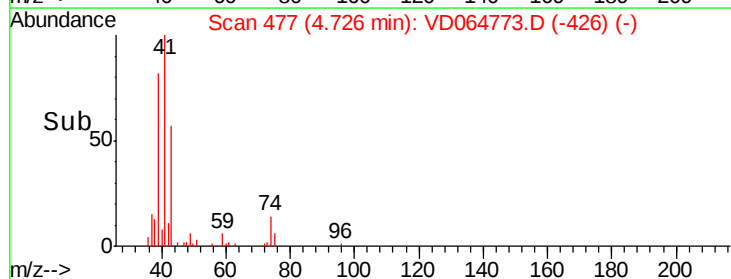
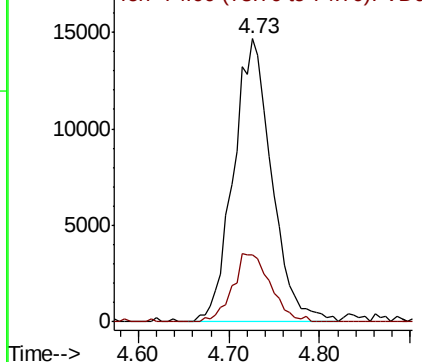


#18
Methyl Acetate
Concen: 21.639 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion: 43 Resp: 43110
Ion Ratio Lower Upper
43 100
74 23.8 19.2 28.8



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



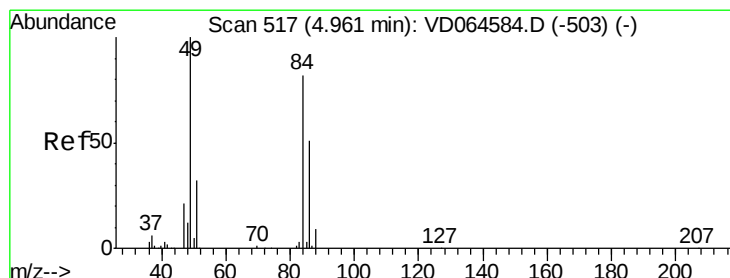
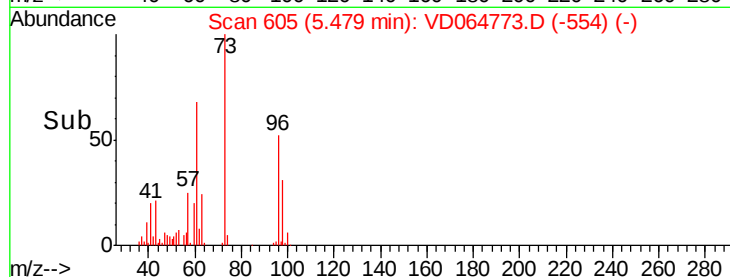
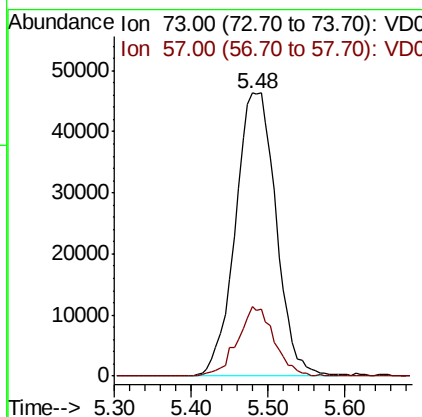
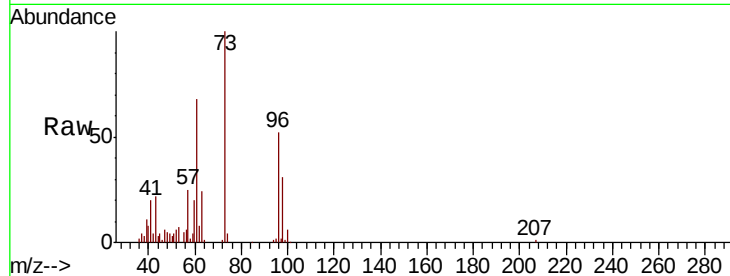


#19

Methyl tert-butyl Ether
 Concen: 21.831 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :

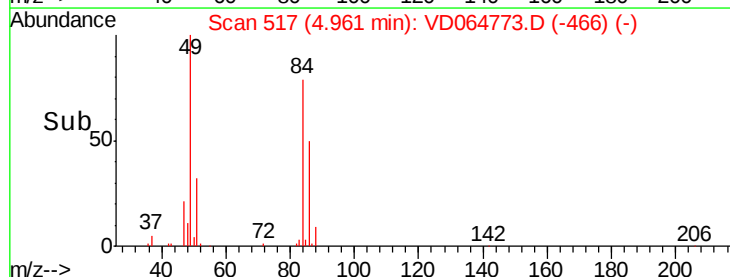
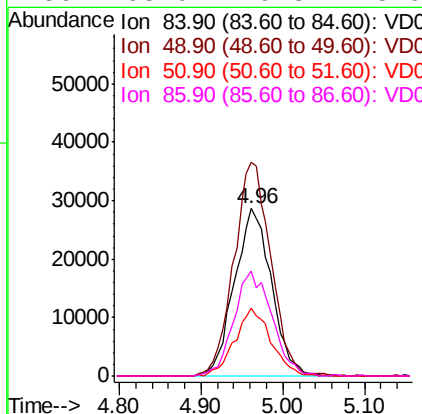
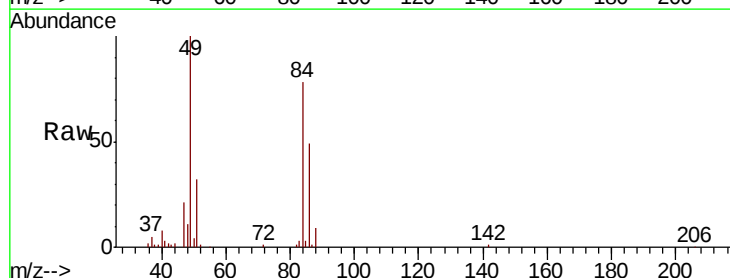
Tot Ion: 73 Resp: 171203
 Ion Ratio Lower Upper
 73 100
 57 24.8 18.6 27.8

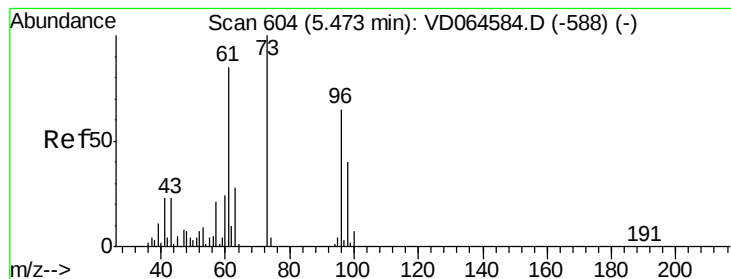


#20

Methylene Chloride
 Concen: 22.216 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion: 84 Resp: 90231
 Ion Ratio Lower Upper
 84 100
 49 127.5 97.2 145.8
 51 40.8 31.4 47.0
 86 63.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.179 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

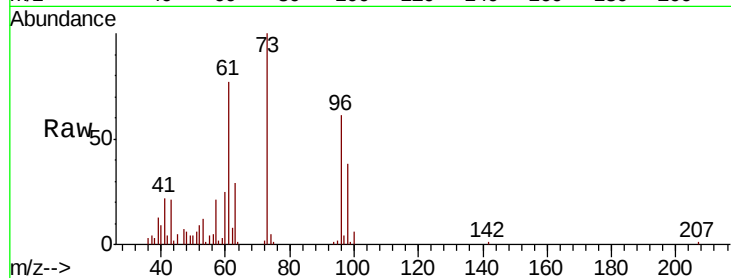
Tot Ion: 96 Resp: 85157

Ion Ratio Lower Upper

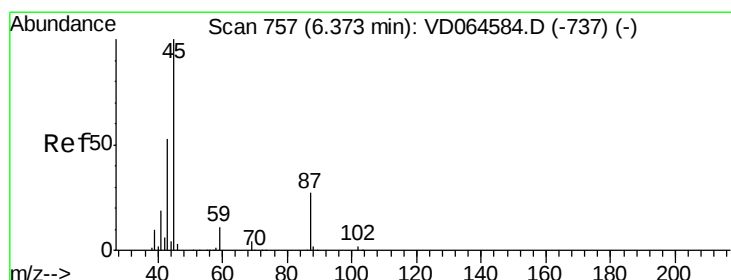
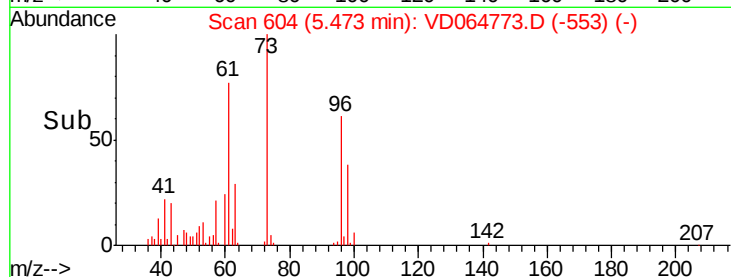
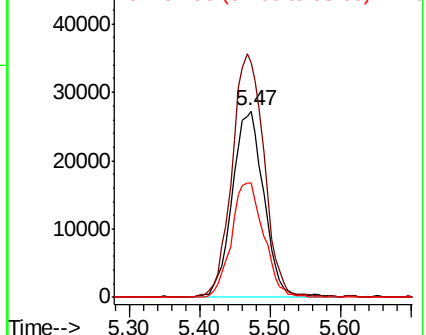
96 100

61 126.0 104.7 157.1

98 61.6 49.4 74.2



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



#22

Diisopropyl ether

Concen: 21.189 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Tgt Ion: 45 Resp: 232652

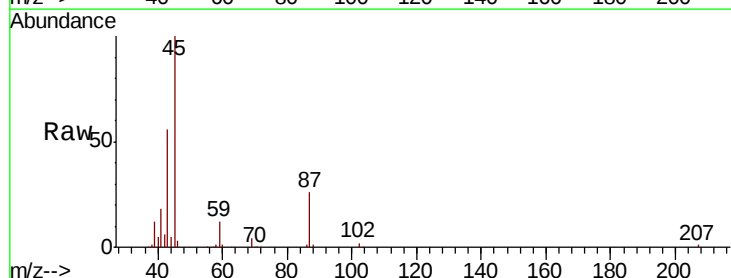
Ion Ratio Lower Upper

45 100

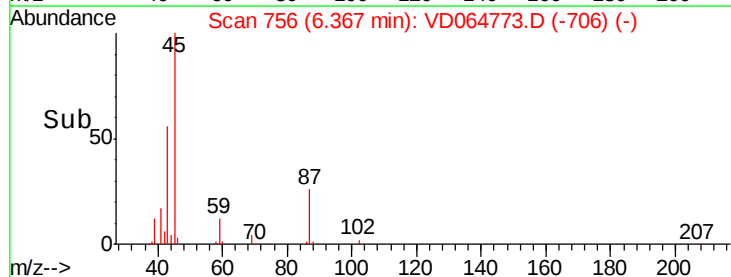
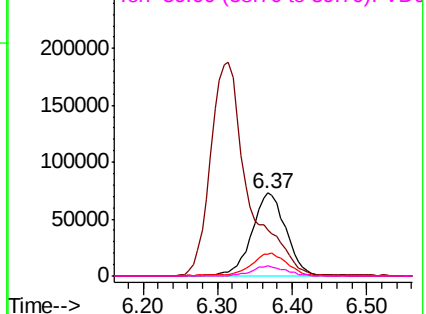
43 55.0 43.2 64.8

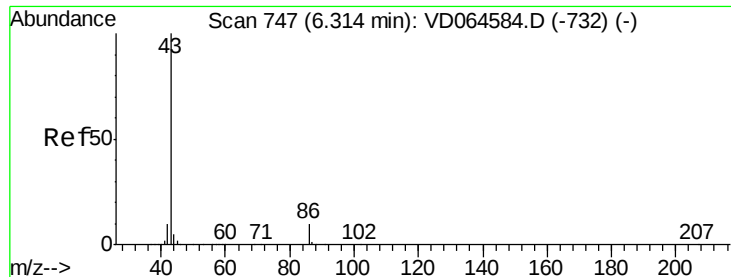
87 26.4 21.9 32.9

59 12.4 9.0 13.4



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





#23

Vinyl Acetate

Concen: 105.554 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

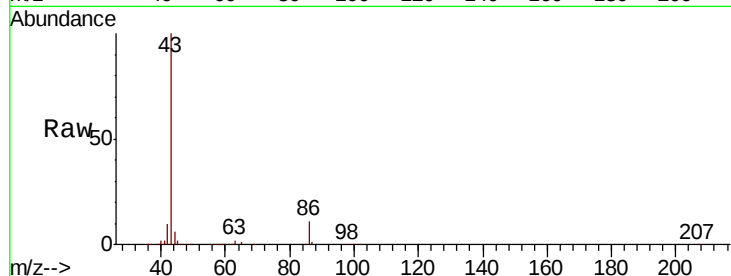
ClientSampleId :

Tot Ion: 43 Resp: 657430

Ion Ratio Lower Upper

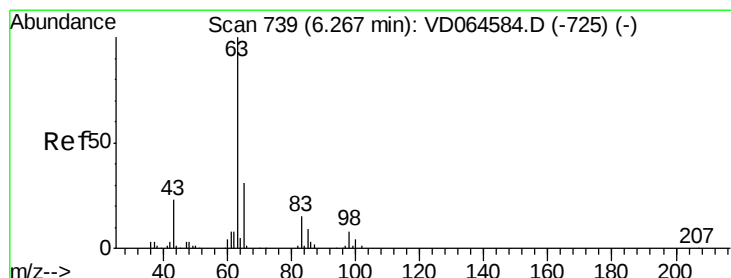
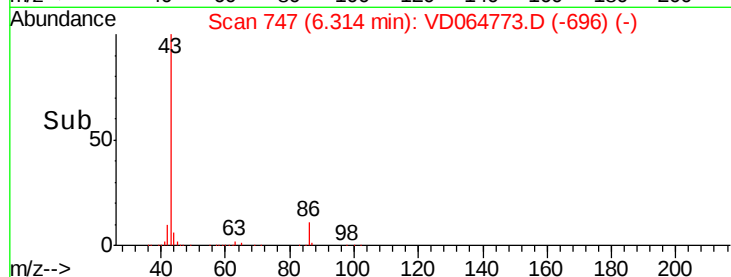
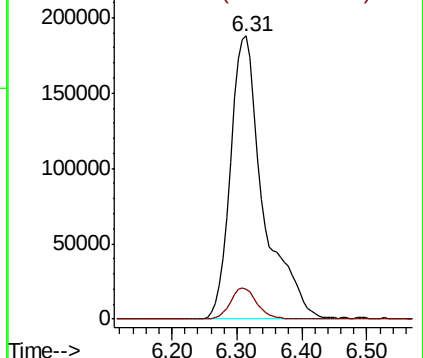
43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.730 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

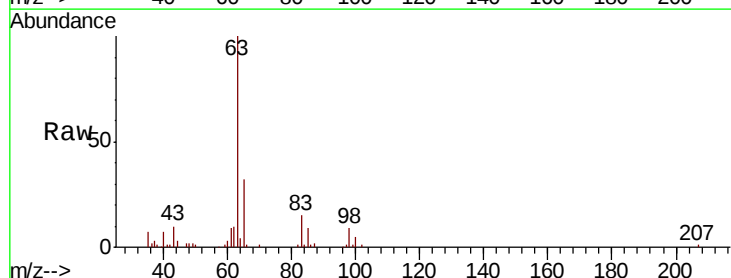
Tgt Ion: 63 Resp: 143235

Ion Ratio Lower Upper

63 100

98 8.9 4.1 12.3

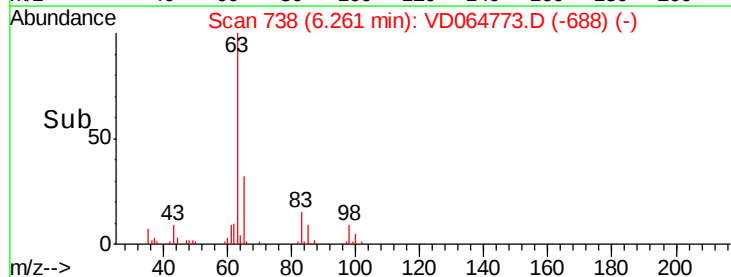
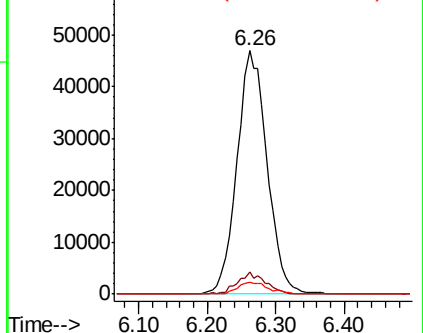
100 4.8 2.2 6.6

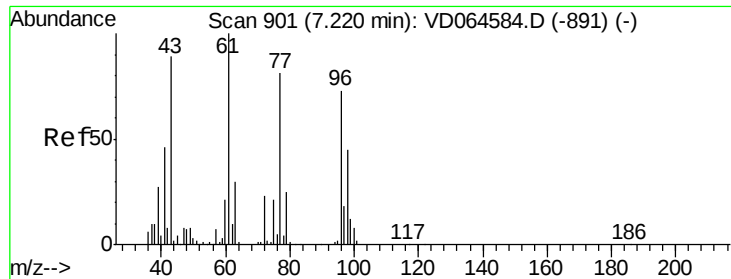


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 115.241 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

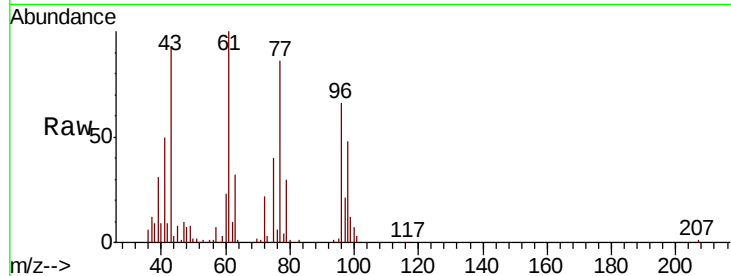
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 112096

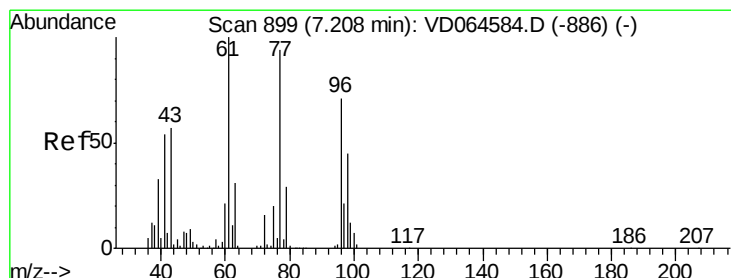
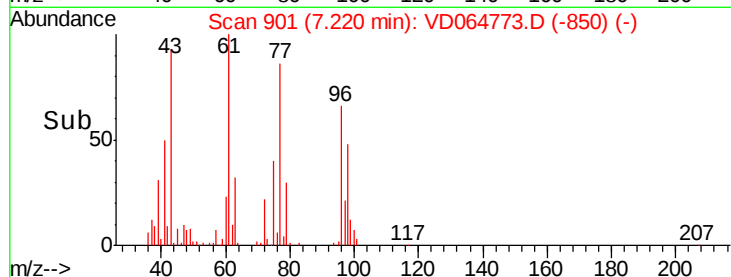
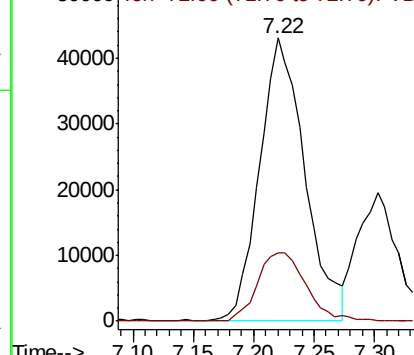
Ion Ratio Lower Upper

43 100

72 24.0 20.7 31.1



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



#26

2,2-Dichloropropane

Concen: 21.329 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064773.D

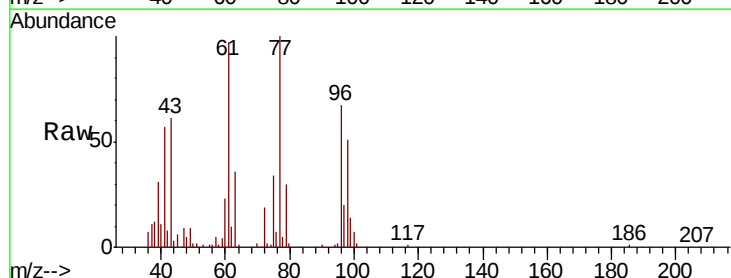
Acq: 06 Jan 2020 15:16

Tgt Ion: 77 Resp: 130712

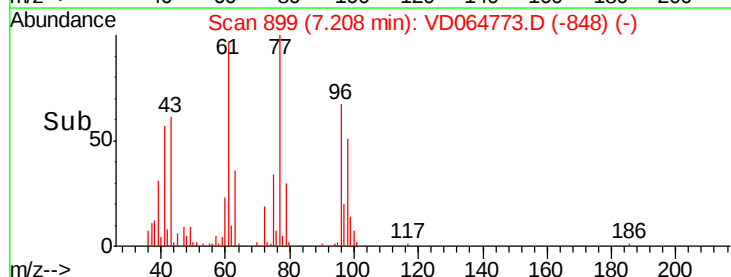
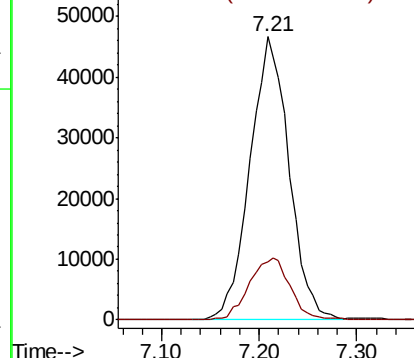
Ion Ratio Lower Upper

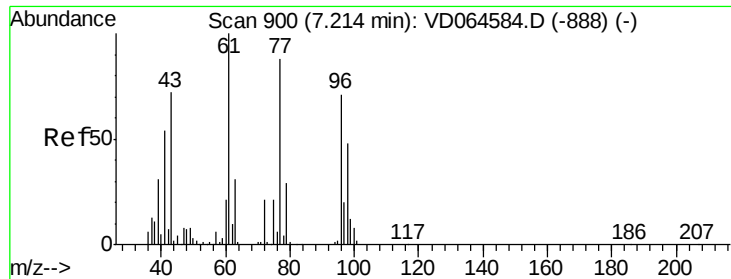
77 100

97 22.8 11.2 33.6



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



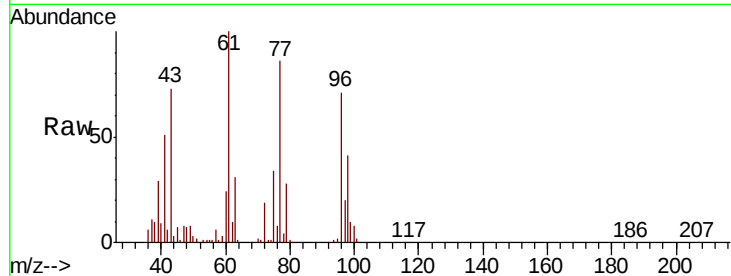


#27

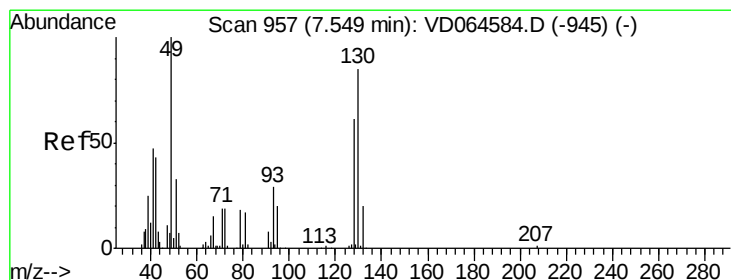
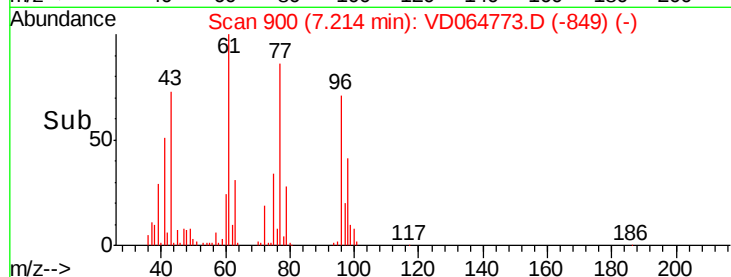
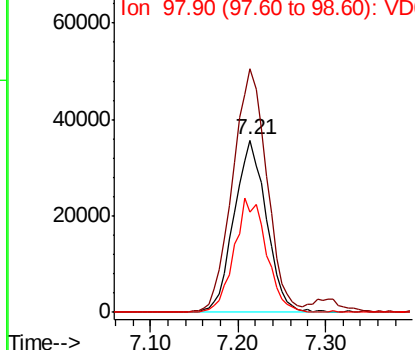
cis-1,2-Dichloroethene
 Concen: 20.644 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 89583
 Ion Ratio Lower Upper
 96 100
 61 149.9 0.0 282.6
 98 65.5 0.0 130.8



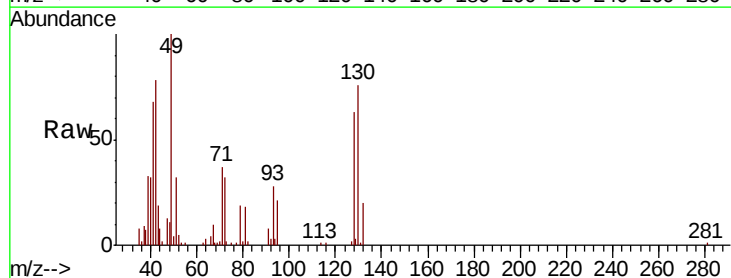
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



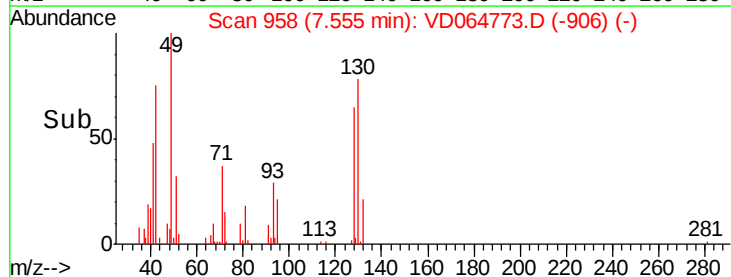
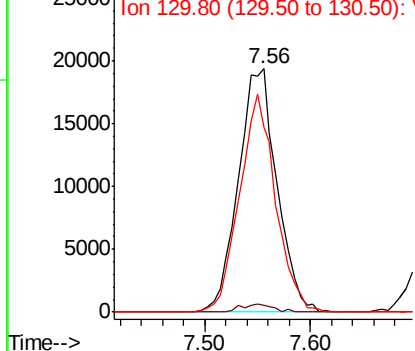
#28

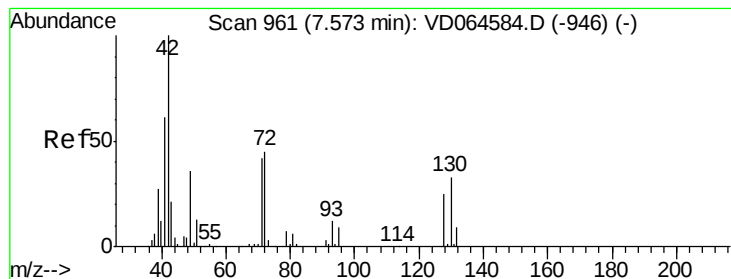
Bromochloromethane
 Concen: 19.169 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion: 49 Resp: 49117
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.8
 130 83.3 65.0 97.6



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





#29

Tetrahydrofuran

Concen: 106.777 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

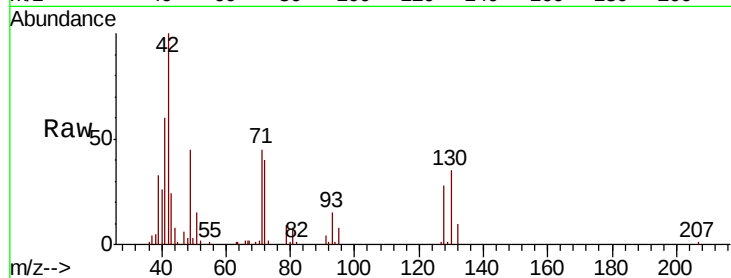
Tot Ion: 42 Resp: 64590

Ion Ratio Lower Upper

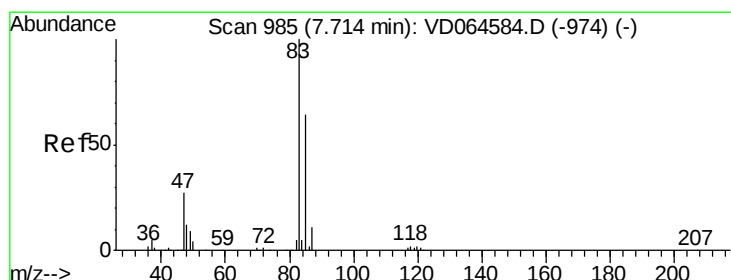
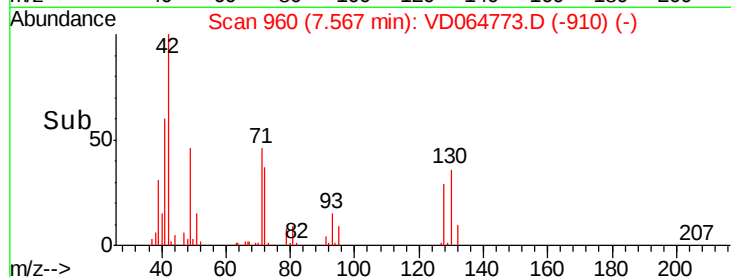
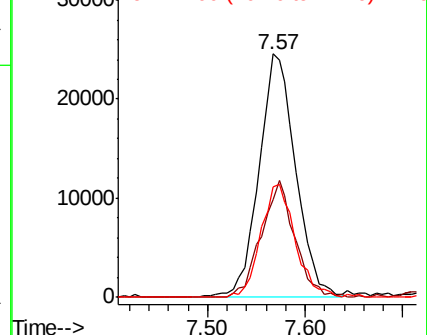
42 100

72 43.9 35.0 52.4

71 43.5 32.9 49.3



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



#30

Chloroform

Concen: 21.561 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064773.D

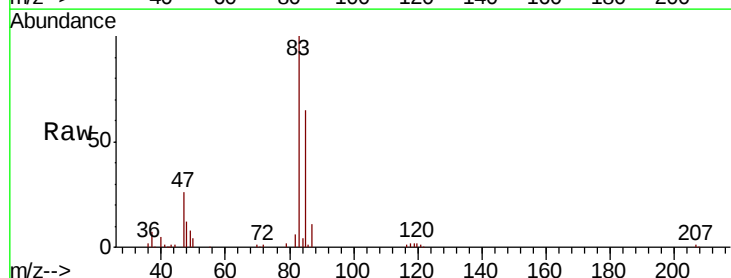
Acq: 06 Jan 2020 15:16

Tgt Ion: 83 Resp: 149104

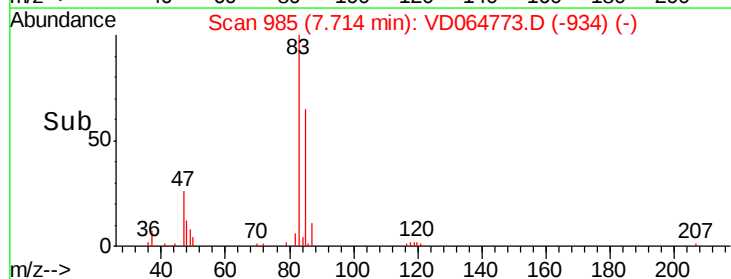
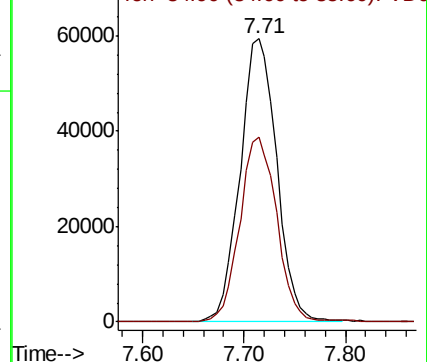
Ion Ratio Lower Upper

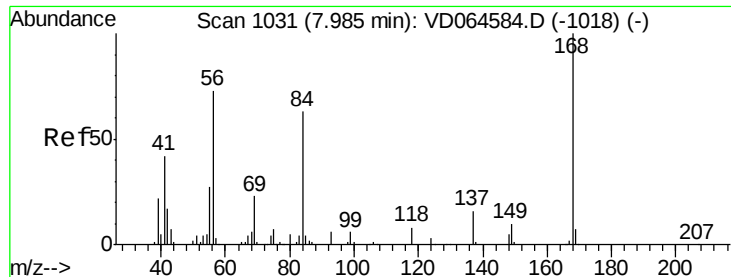
83 100

85 65.2 51.1 76.7



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

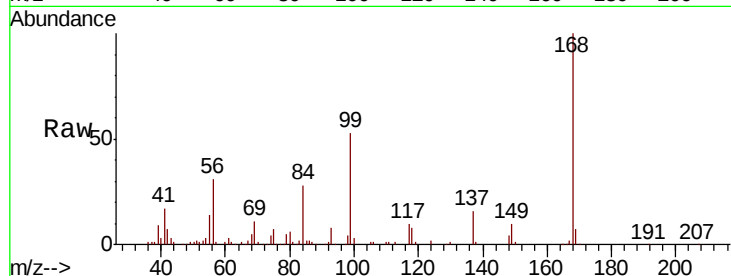




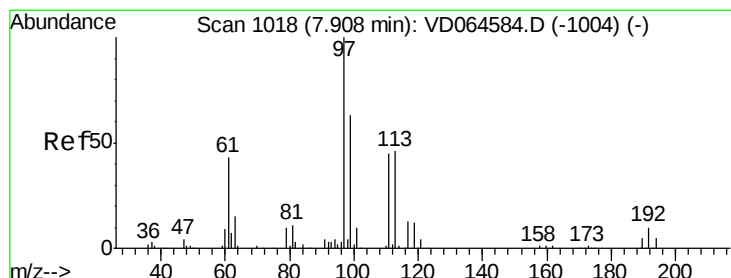
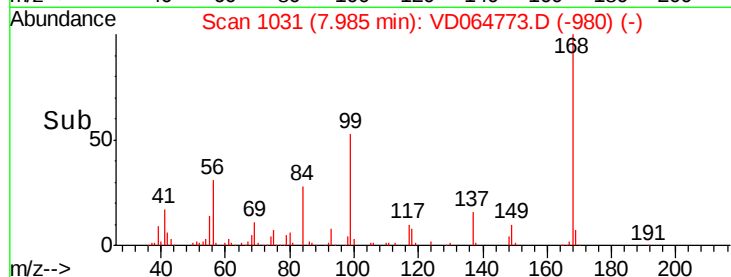
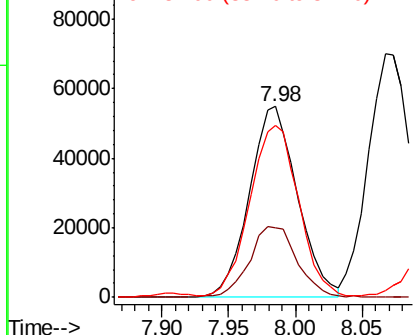
#31
Cyclohexane
Concen: 20.749 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 136907
Ion Ratio Lower Upper
56 100
69 36.5 24.7 37.1
84 88.5 69.4 104.2

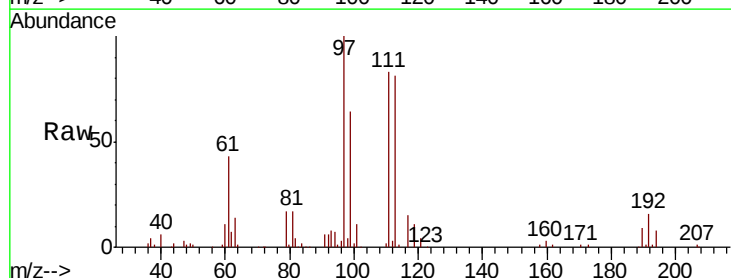


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

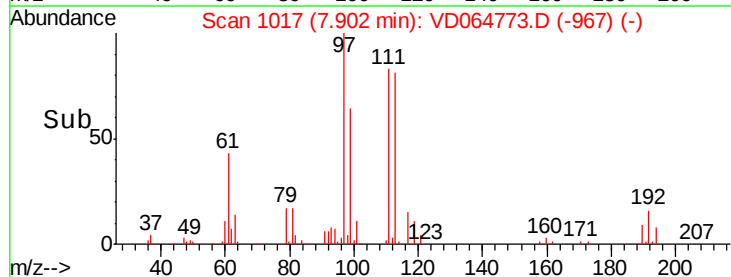
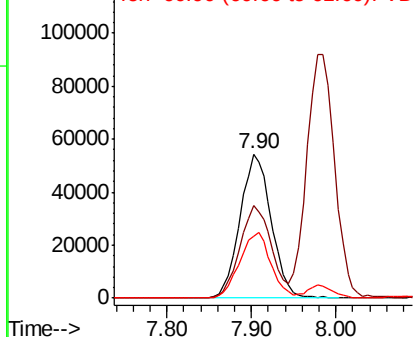


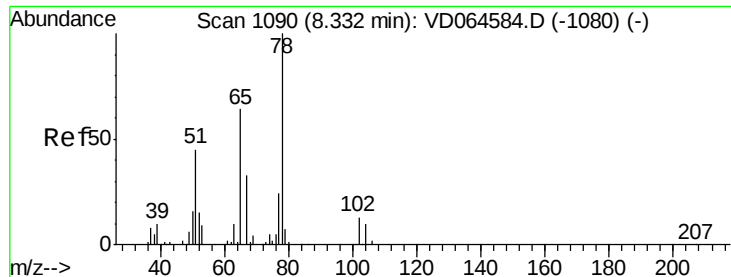
#32
1,1,1-Trichloroethane
Concen: 21.525 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion: 97 Resp: 139819
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.6
61 45.1 35.4 53.0



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: 51.318 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

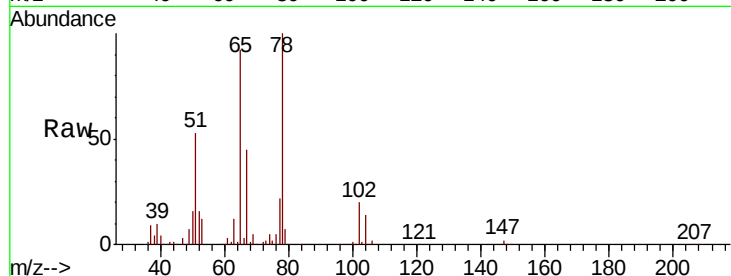
ClientSampleId :

Tot Ion: 65 Resp: 181599

Ion Ratio Lower Upper

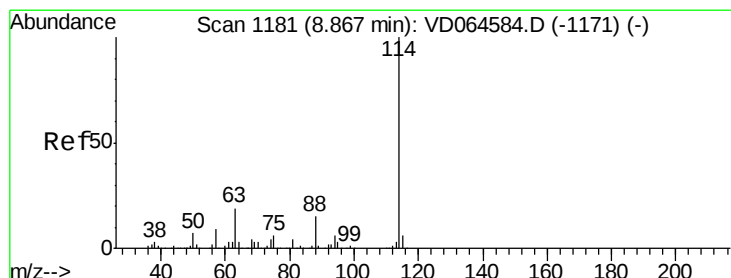
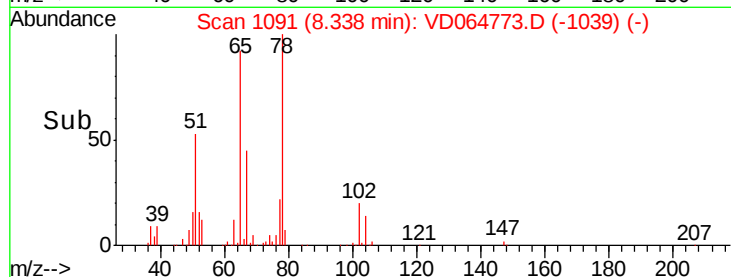
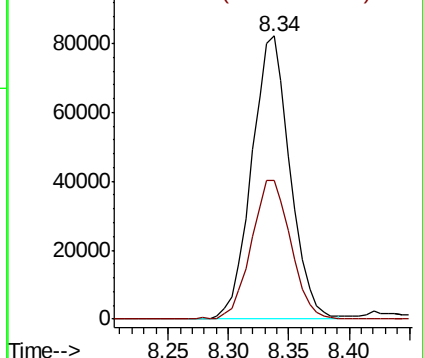
65 100

67 50.5 0.0 106.2



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: VD064773.D

Acq: 06 Jan 2020 15:16

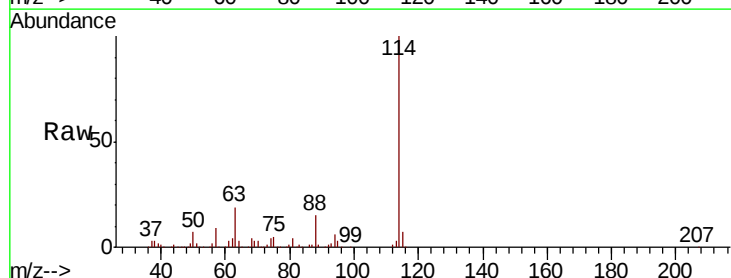
Tgt Ion: 114 Resp: 578002

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.0

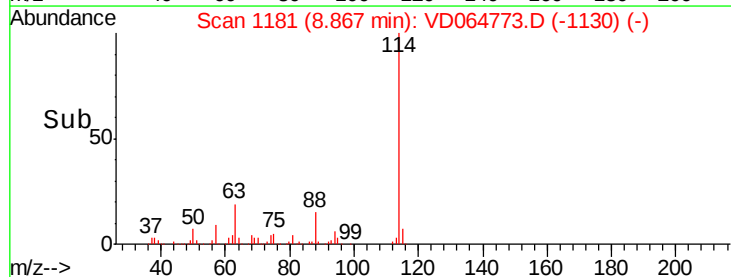
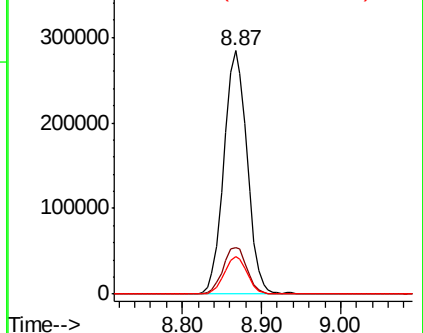
88 15.2 0.0 29.2

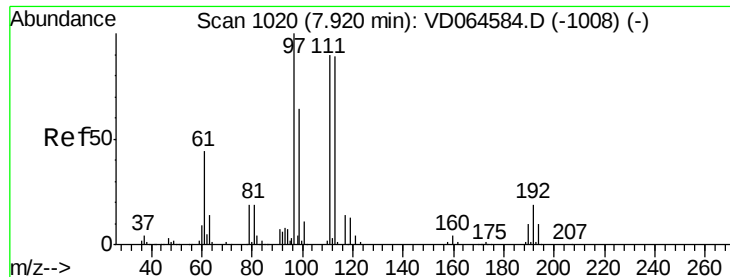


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

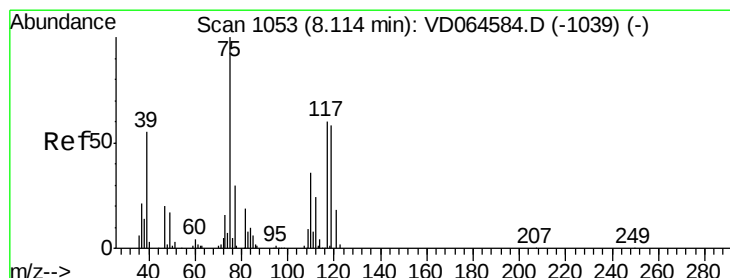
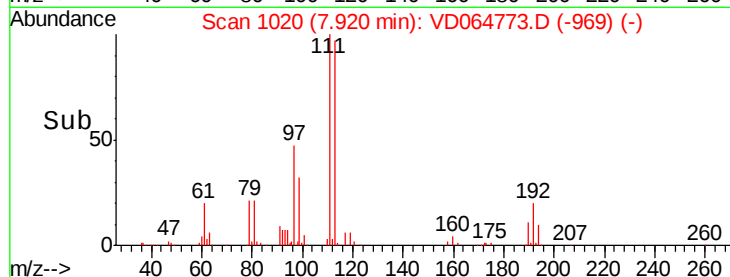
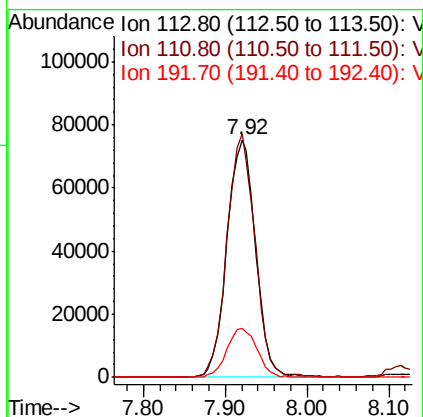
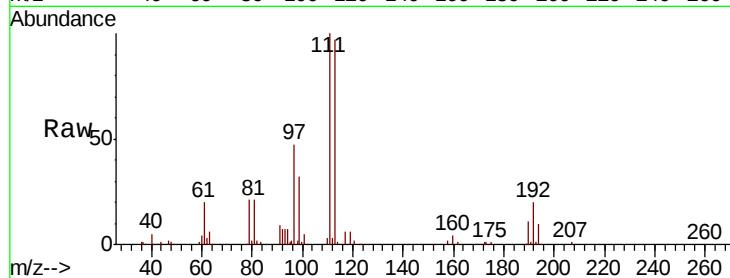




#35
Dibromofluoromethane
Concen: 51.885 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

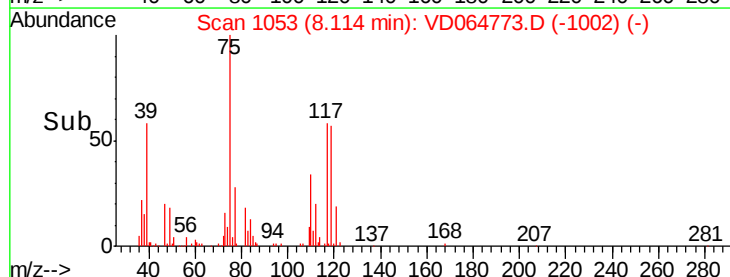
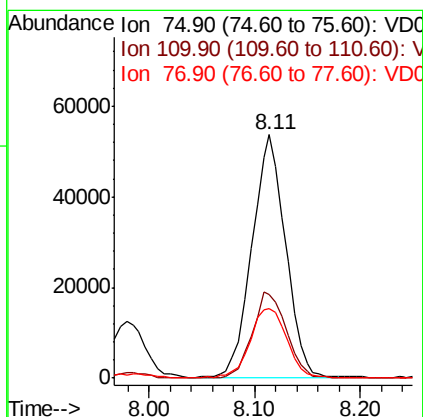
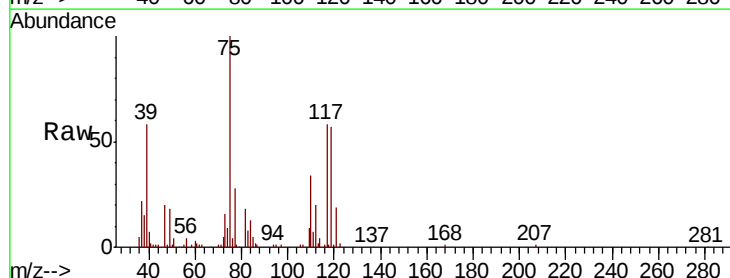
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.4	80.6	121.0
192	21.7	17.9	26.9



#36
1,1-Dichloropropene
Concen: 21.271 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.1	54.1
77	31.6	24.2	36.4

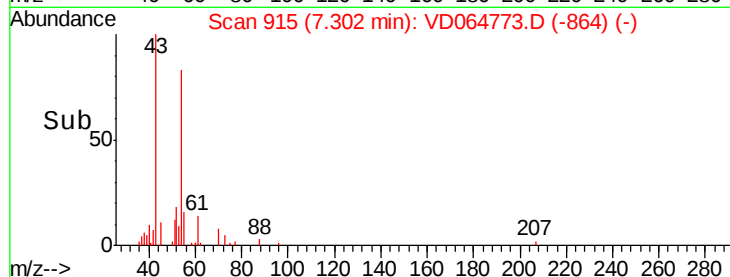
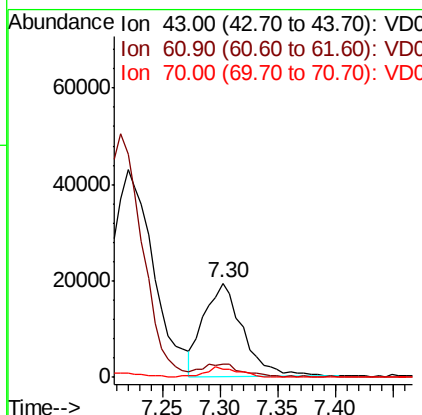
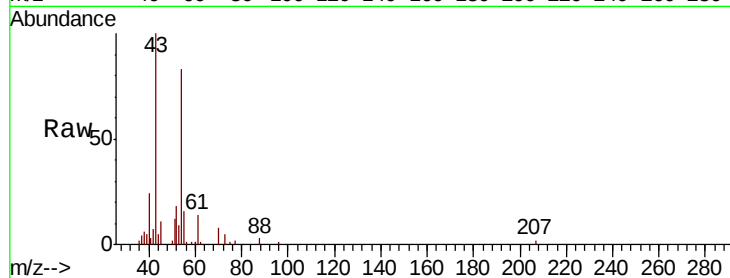




#37
Ethyl Acetate
Concen: 20.861 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

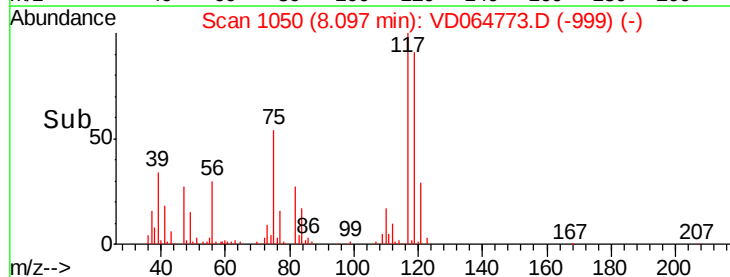
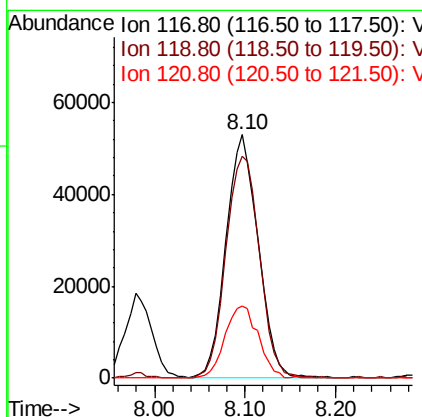
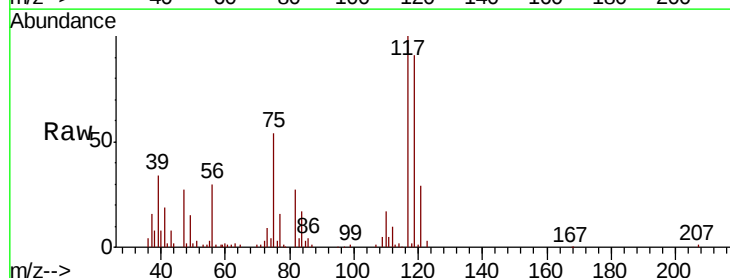
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 45593
Ion Ratio Lower Upper
43 100
61 15.8 10.3 15.5#
70 9.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 22.117 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion: 117 Resp: 131197
Ion Ratio Lower Upper
117 100
119 91.0 77.3 115.9
121 29.5 25.0 37.6

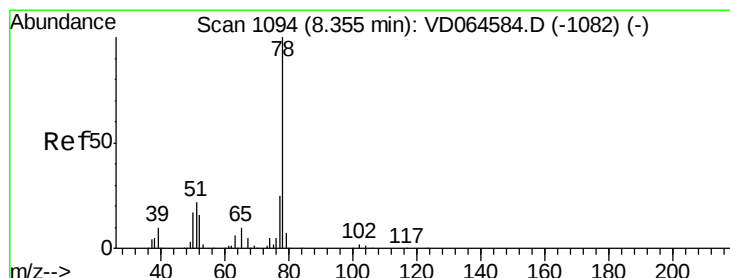
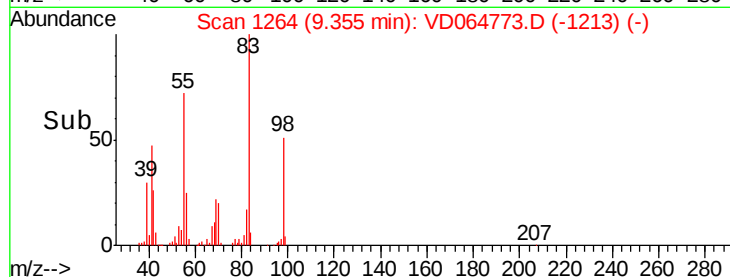
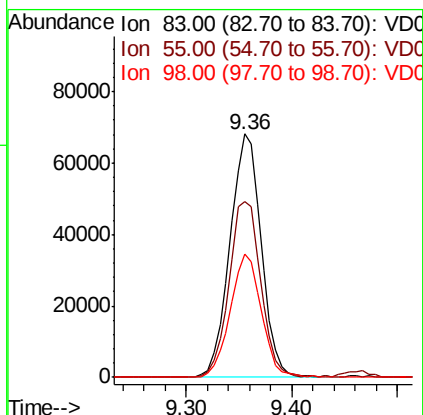
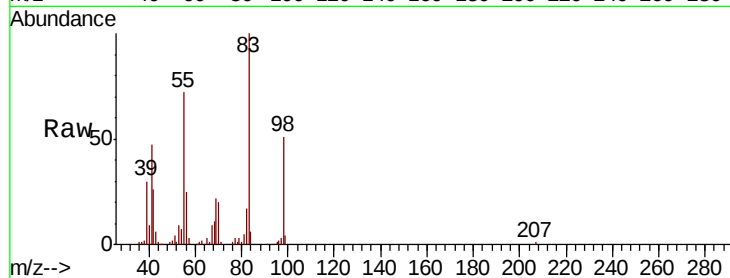




#39
Methvlcvclohexane
Concen: 20.740 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

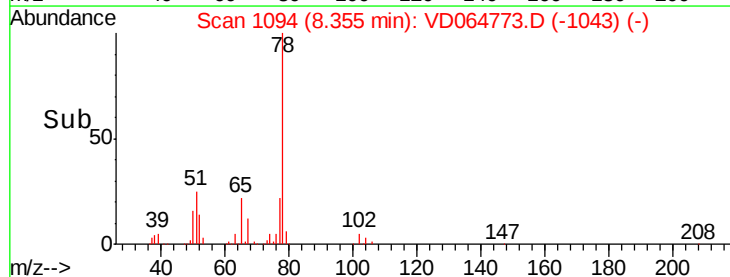
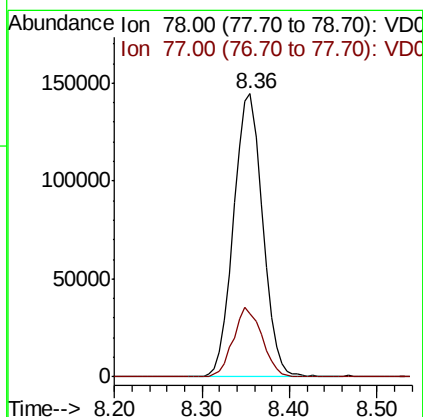
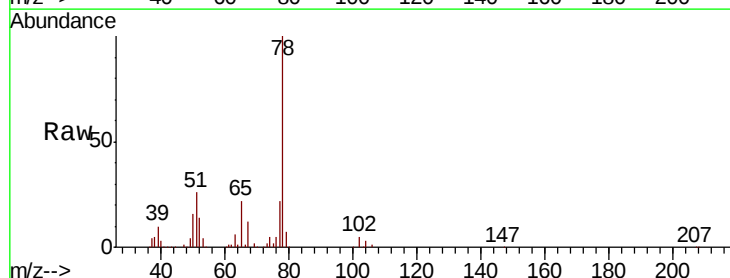
Instrument :
MSVOA_D
ClientSampled :

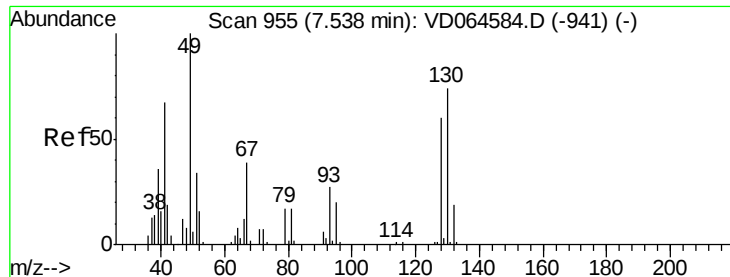
Tot Ion: 83 Resp: 139751
Ion Ratio Lower Upper
83 100
55 72.3 57.8 86.6
98 50.8 38.7 58.1



#40
Benzene
Concen: 21.405 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion: 78 Resp: 325086
Ion Ratio Lower Upper
78 100
77 22.3 19.9 29.9

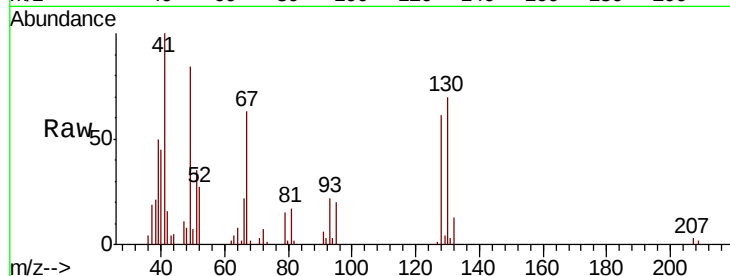




#41
Methacrylonitrile
Concen: 24.762 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	31399
Ion	Ratio	Lower	Upper
41	100		
39	55.4	46.7	70.1
67	62.6	52.5	78.7
52	25.9	24.1	36.1



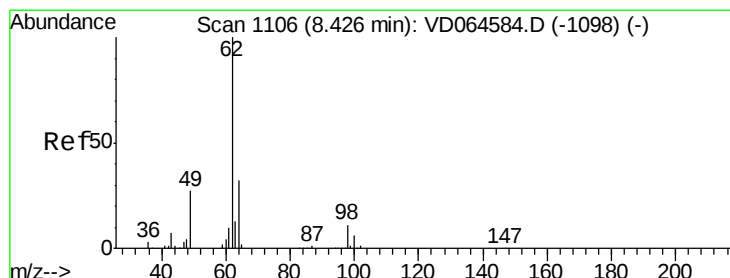
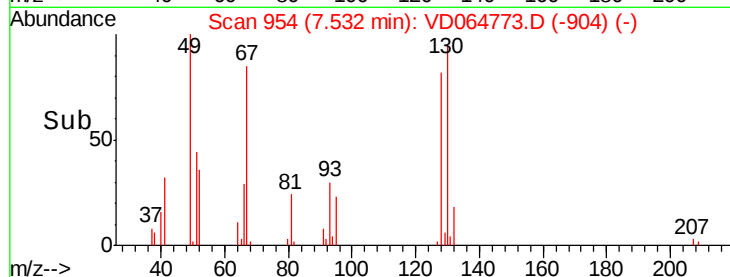
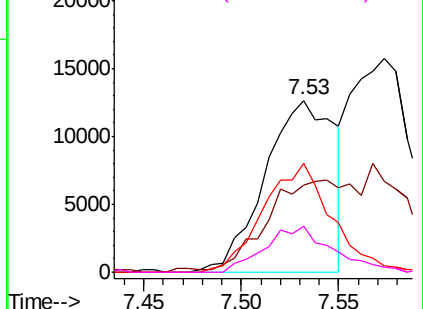
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

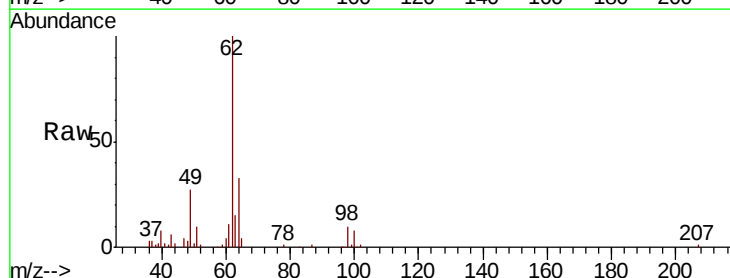
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 22.203 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

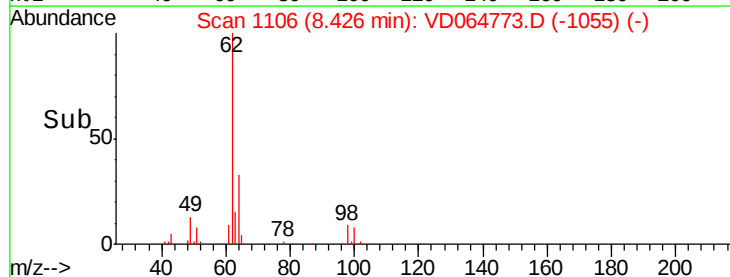
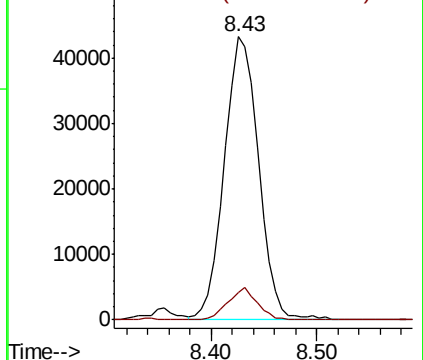
Tgt Ion:	62	Resp:	97441
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0

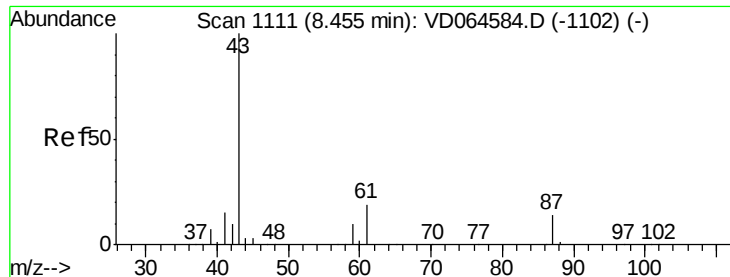


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.761 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleID :

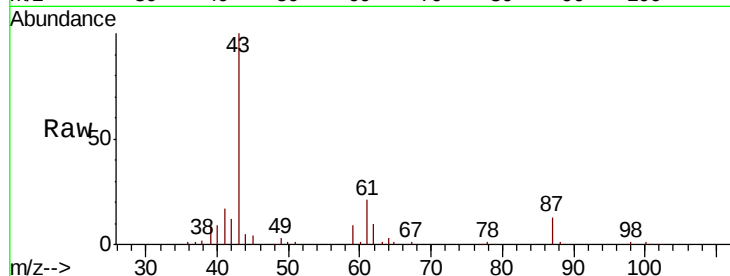
Tot Ion: 43 Resp: 94664

Ion Ratio Lower Upper

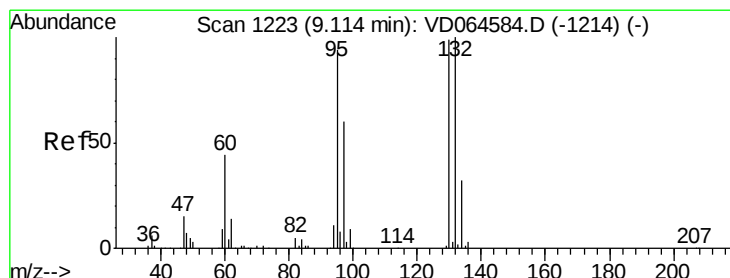
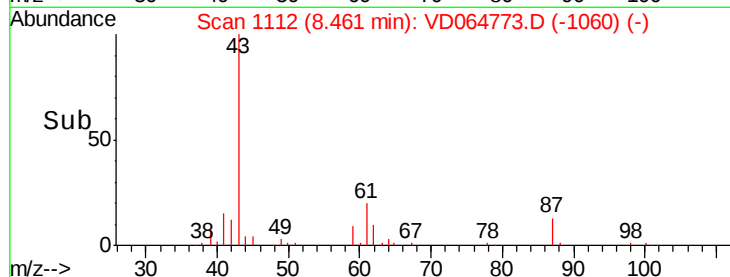
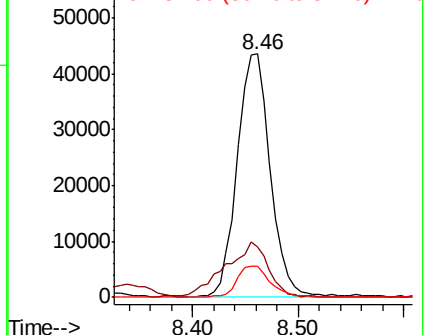
43 100

61 29.3 23.7 35.5

87 12.9 10.5 15.7



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: 20.742 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064773.D

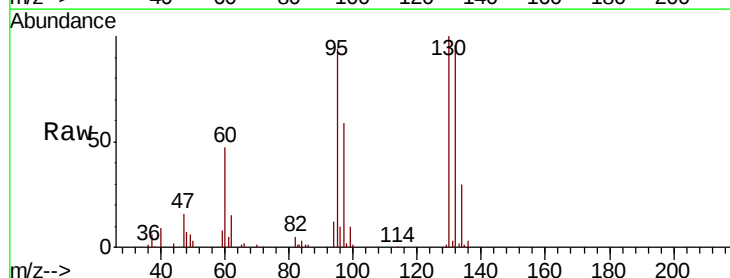
Acq: 06 Jan 2020 15:16

Tgt Ion:130 Resp: 92540

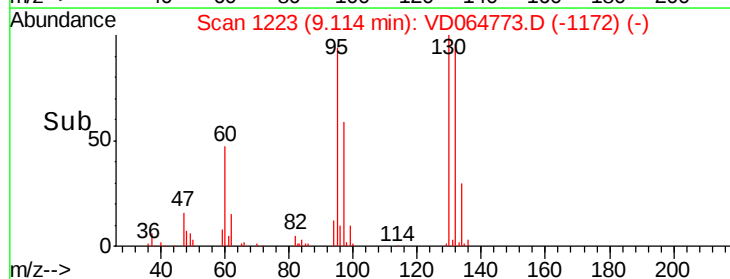
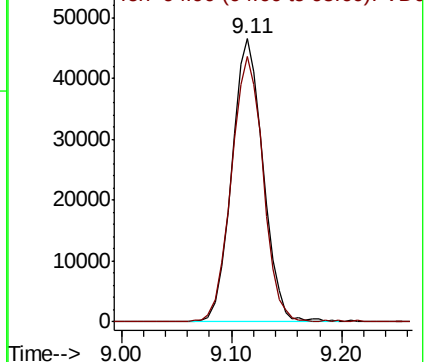
Ion Ratio Lower Upper

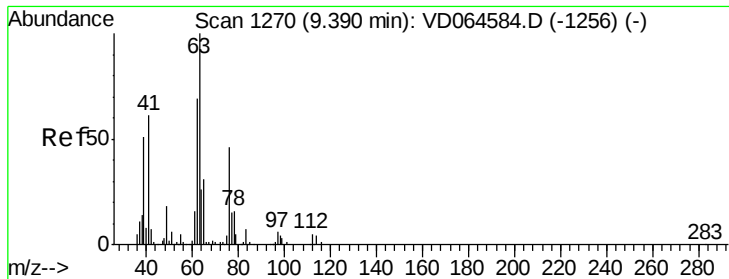
130 100

95 93.7 0.0 190.2



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

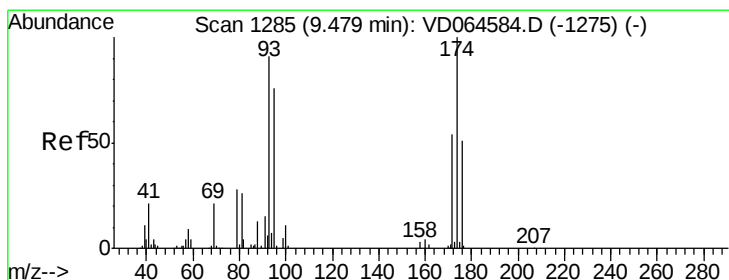
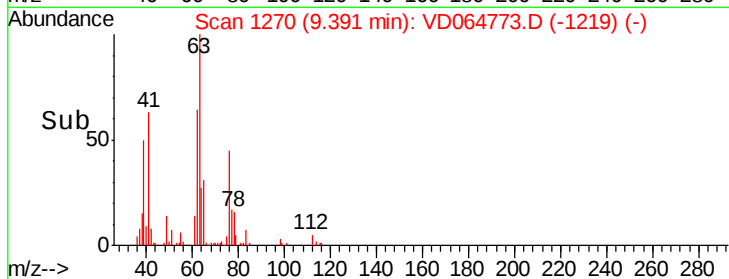
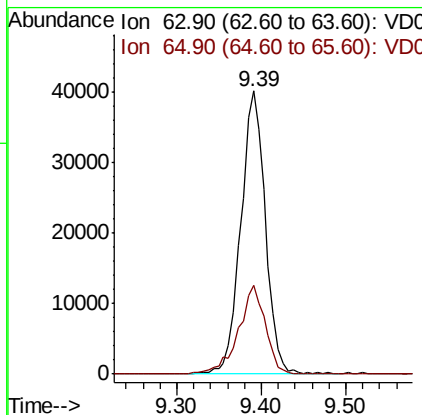
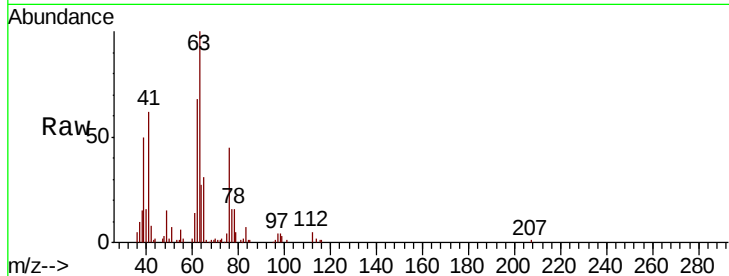




#45
 1,2-Dichloropropane
 Concen: 22.233 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

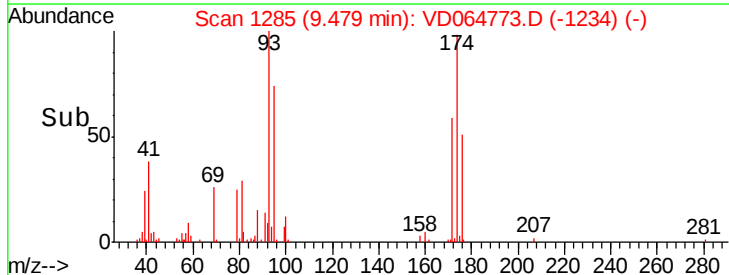
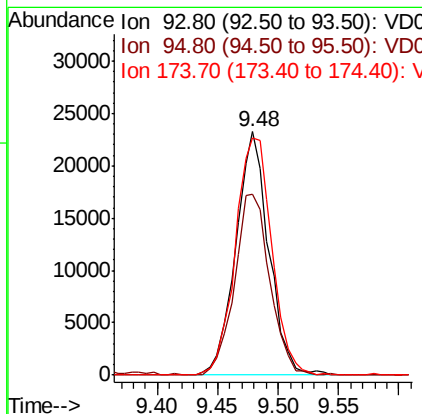
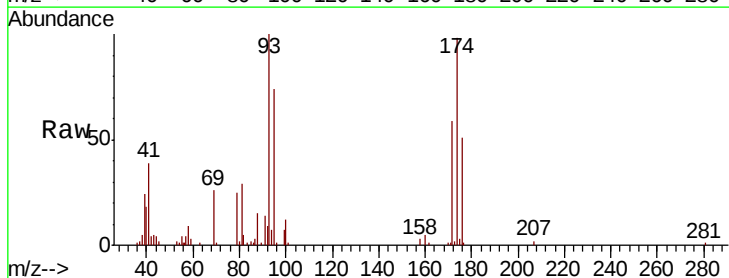
Instrument :
 MSVOA_D
 ClientSampleId :

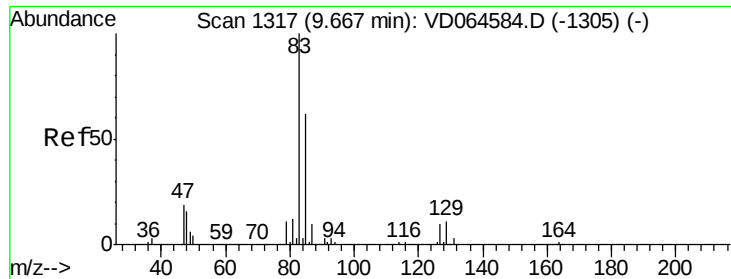
Tot Ion: 63 Resp: 80620
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.2 37.8



#46
 Dibromomethane
 Concen: 21.882 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion: 93 Resp: 44238
 Ion Ratio Lower Upper
 93 100
 95 79.1 64.6 97.0
 174 107.6 88.1 132.1





#47

Bromodichloromethane

Concen: 21.168 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

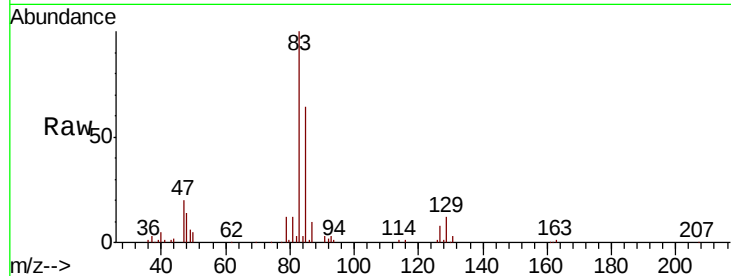
Tot Ion: 83 Resp: 113875

Ion Ratio Lower Upper

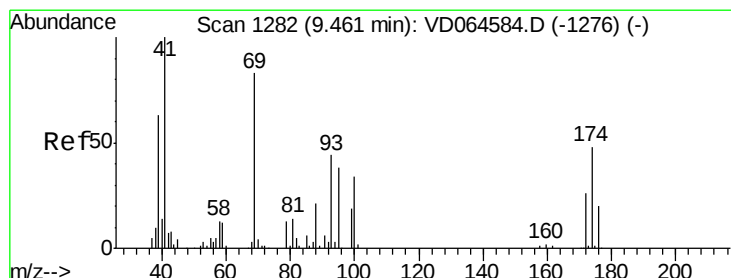
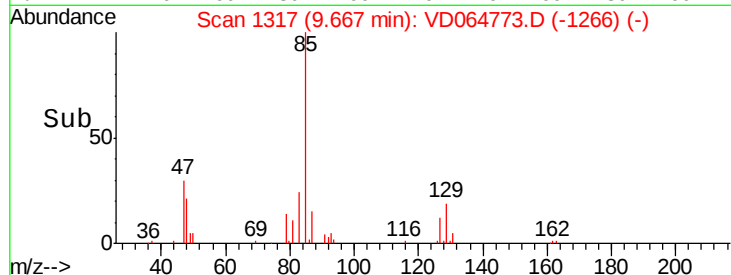
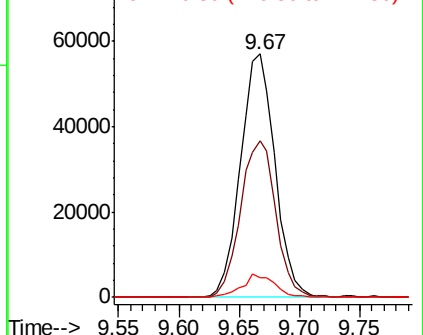
83 100

85 64.2 49.5 74.3

127 7.8 7.8 11.6



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: 21.044 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

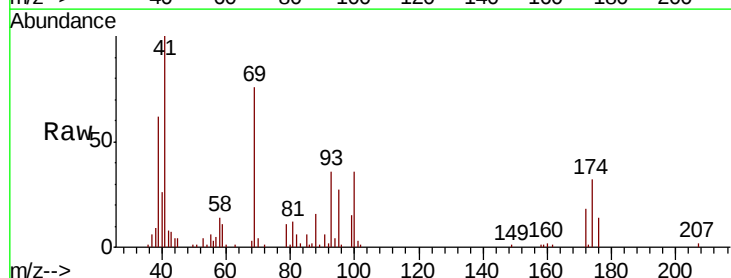
Tgt Ion: 41 Resp: 43104

Ion Ratio Lower Upper

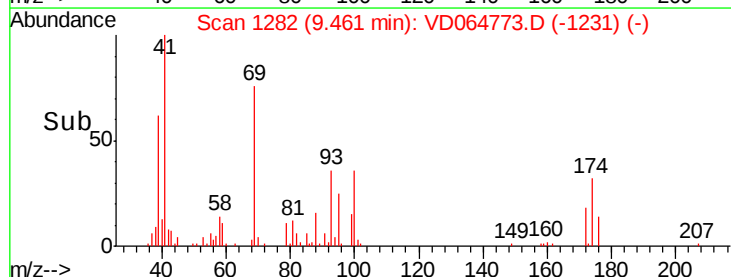
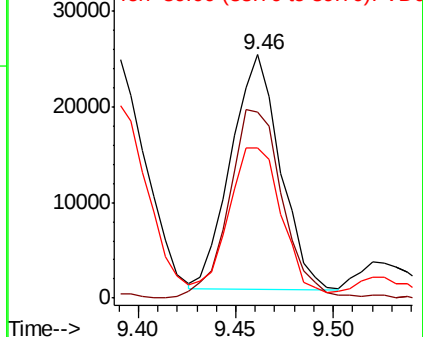
41 100

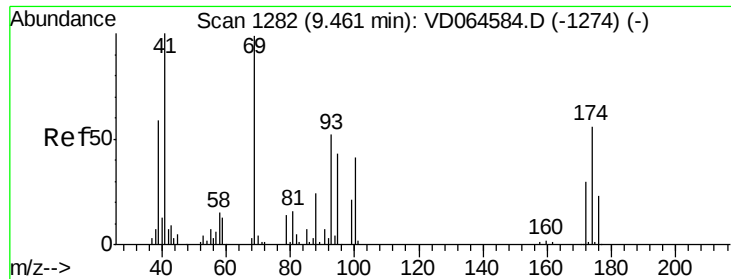
69 87.5 63.0 94.6

39 65.1 47.4 71.2



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: 409.543 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :

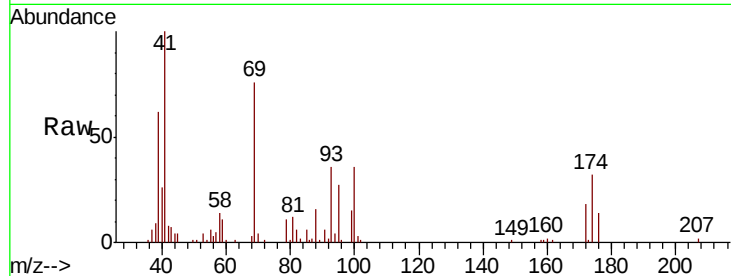
Tot Ion: 88 Resp: 9547

Ion Ratio Lower Upper

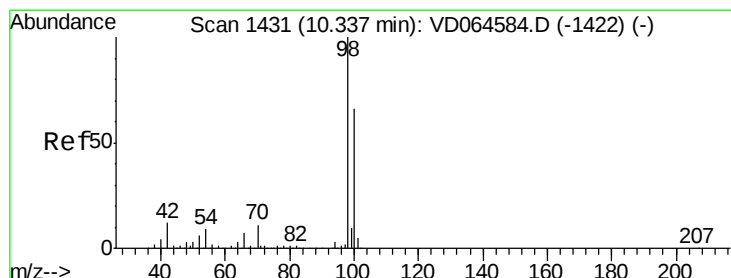
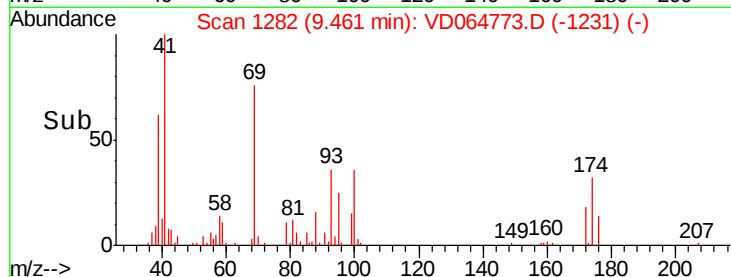
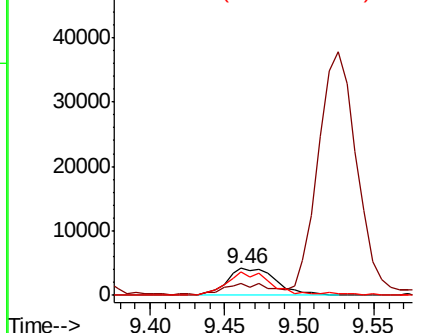
88 100

43 43.9 27.7 41.5#

58 77.1 53.8 80.6



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



#50

Toluene-d8

Concen: 50.339 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064773.D

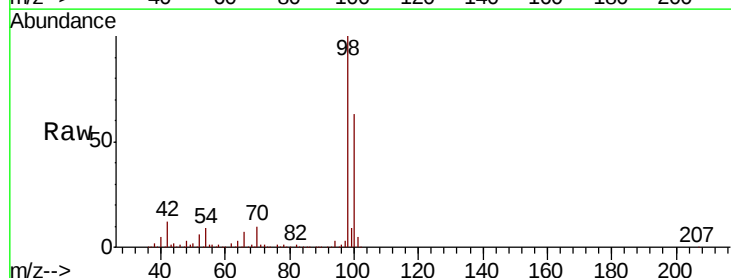
Acq: 06 Jan 2020 15:16

Tgt Ion: 98 Resp: 683673

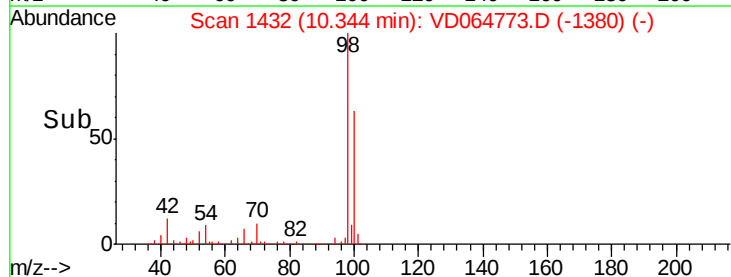
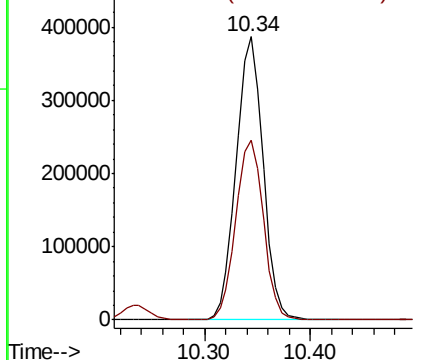
Ion Ratio Lower Upper

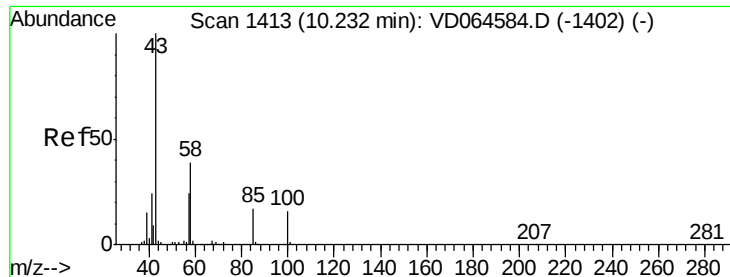
98 100

100 65.2 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 109.373 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

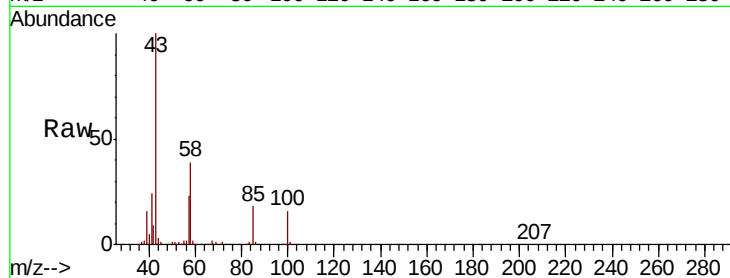
ClientSampleId :

Tot Ion: 43 Resp: 235171

Ion Ratio Lower Upper

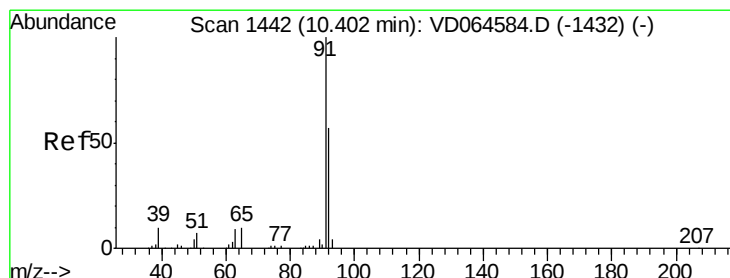
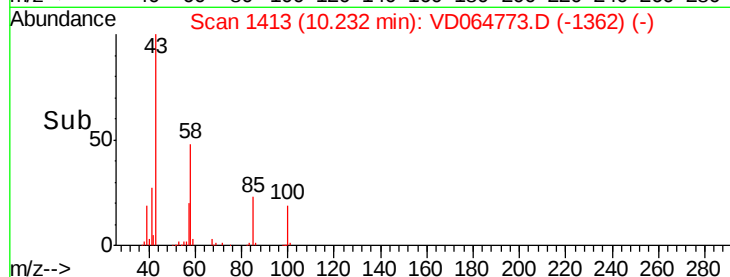
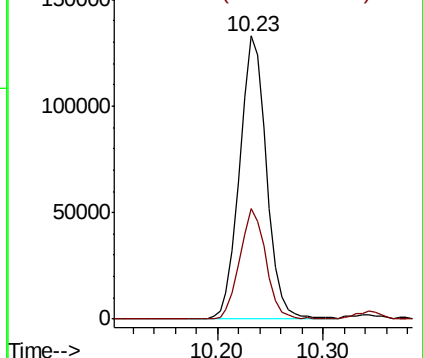
43 100

58 37.9 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.003 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064773.D

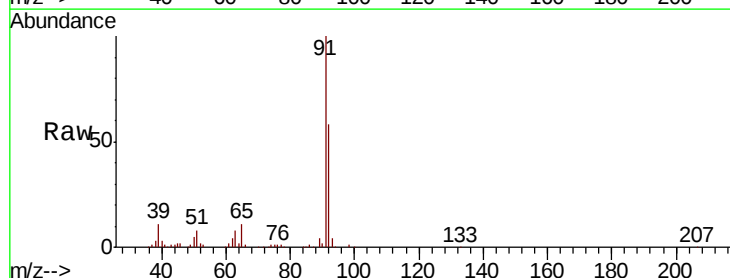
Acq: 06 Jan 2020 15:16

Tgt Ion: 92 Resp: 209272

Ion Ratio Lower Upper

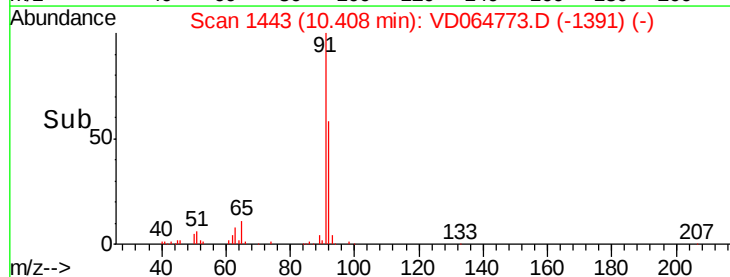
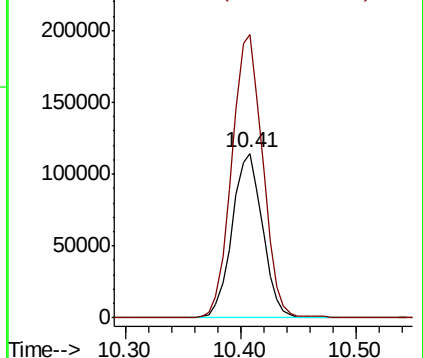
92 100

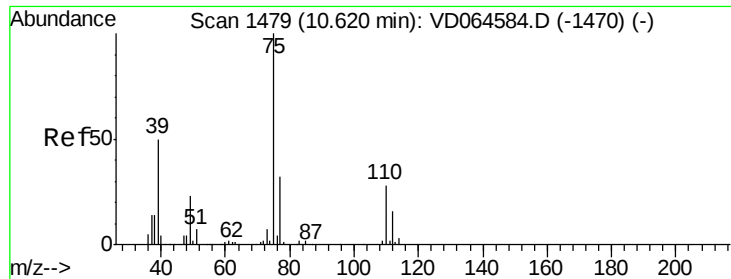
91 175.0 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.792 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

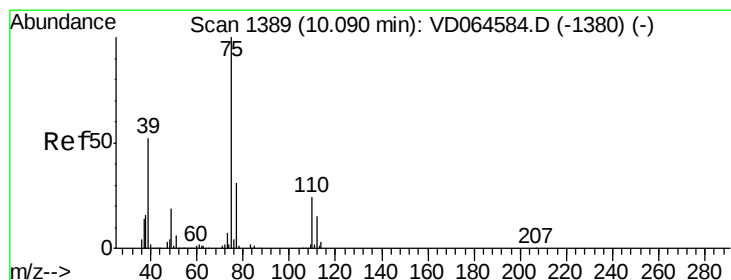
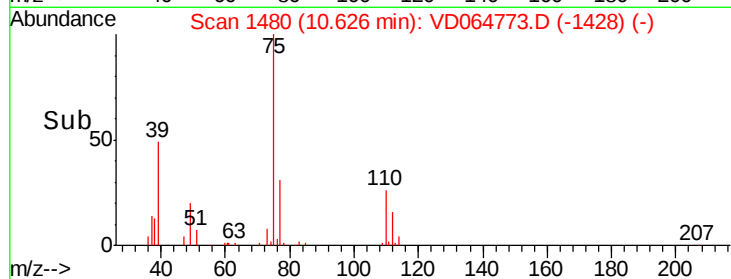
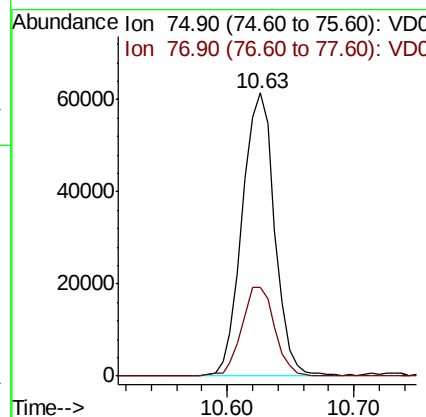
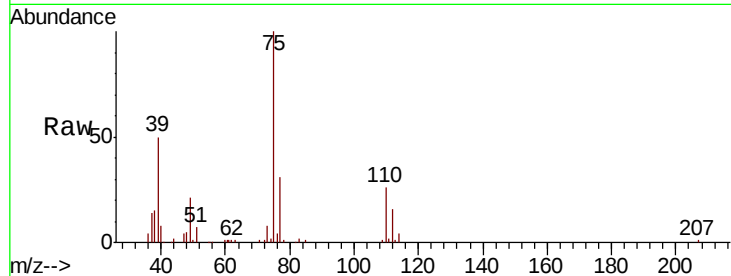
ClientSampleId :

Tot Ion: 75 Resp: 109299

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.544 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

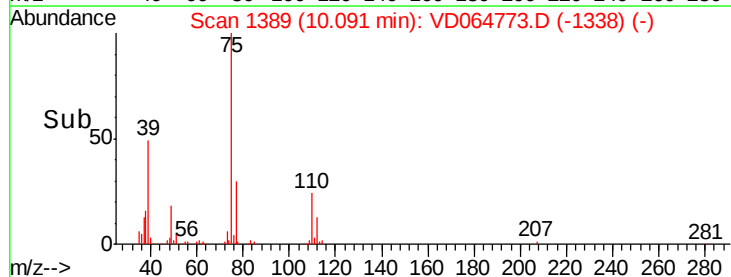
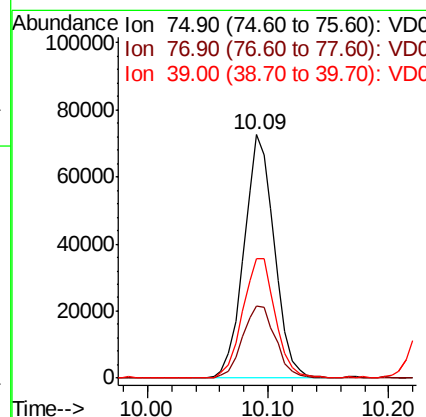
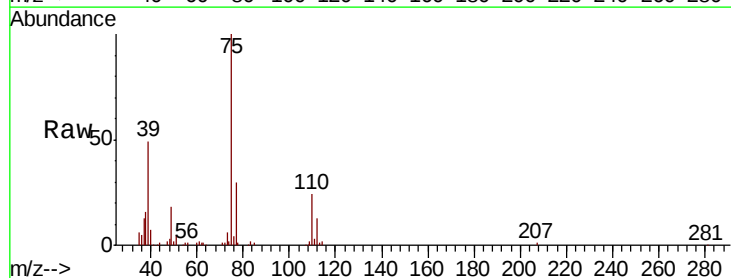
Tgt Ion: 75 Resp: 127411

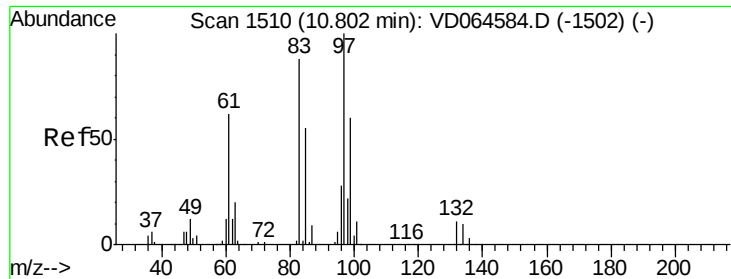
Ion Ratio Lower Upper

75 100

77 29.8 24.6 36.8

39 48.9 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 22.005 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 59955

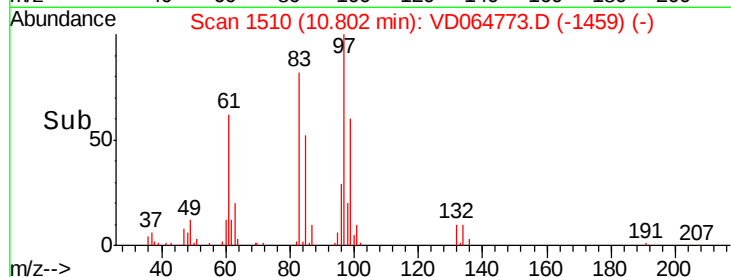
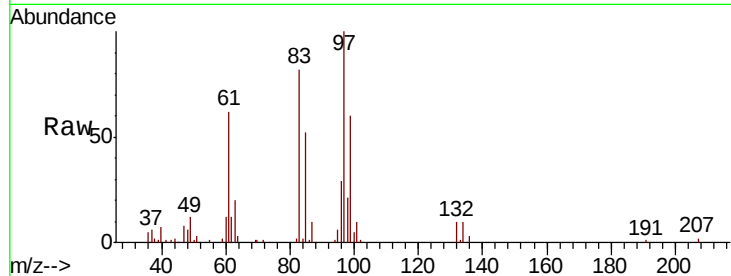
Ion	Ratio	Lower	Upper
97	100		
83	82.3	70.2	105.4
85	52.3	44.0	66.0
99	59.9	47.8	71.6

97 100

83 82.3 70.2 105.4

85 52.3 44.0 66.0

99 59.9 47.8 71.6



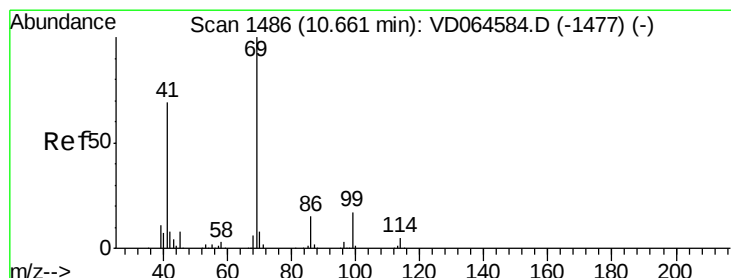
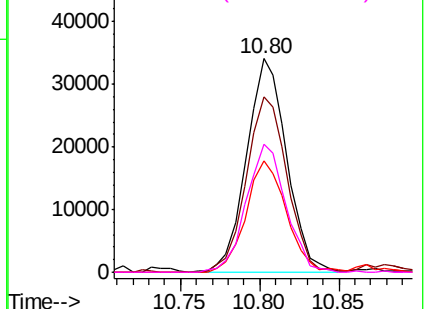
Abundance

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: 21.061 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

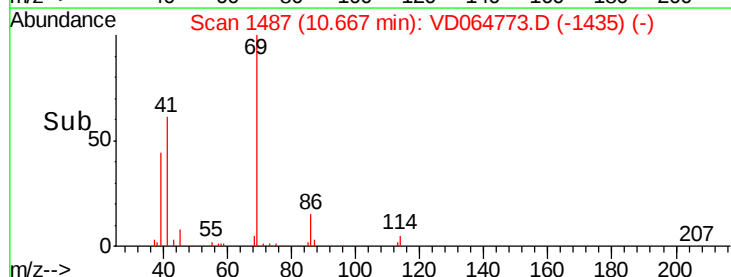
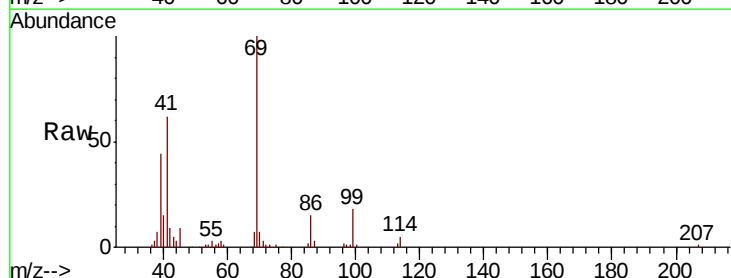
Tgt Ion: 69 Resp: 71662

Ion	Ratio	Lower	Upper
69	100		
41	67.9	55.3	82.9
39	40.4	33.8	50.8

69 100

41 67.9 55.3 82.9

39 40.4 33.8 50.8

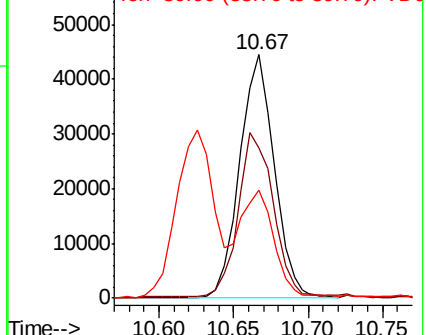


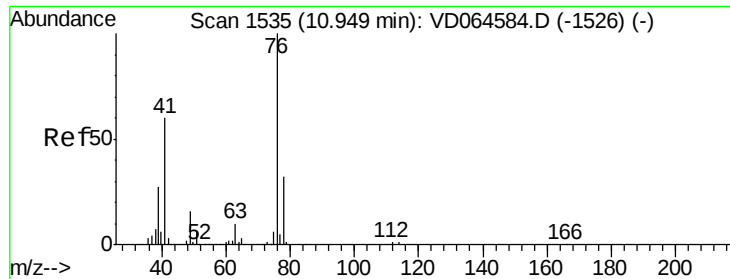
Abundance

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: 21.746 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

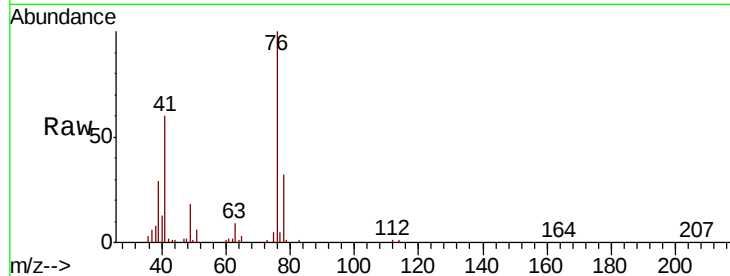
ClientSampled :

Tot Ion: 76 Resp: 102014

Ion Ratio Lower Upper

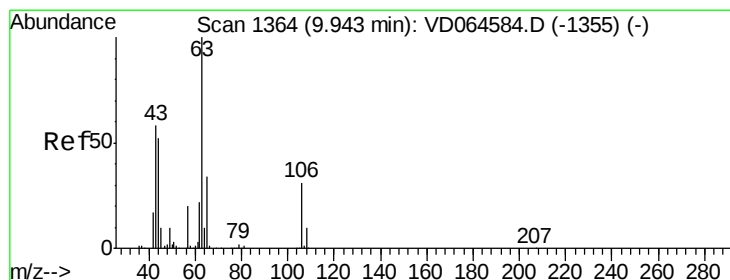
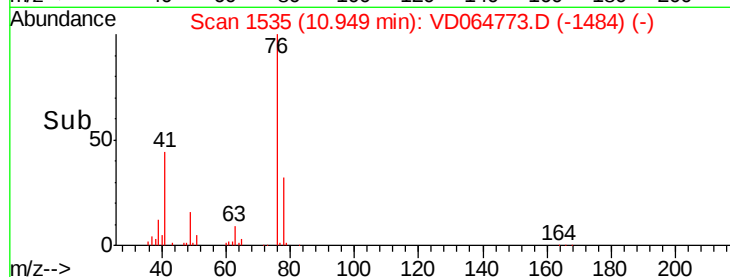
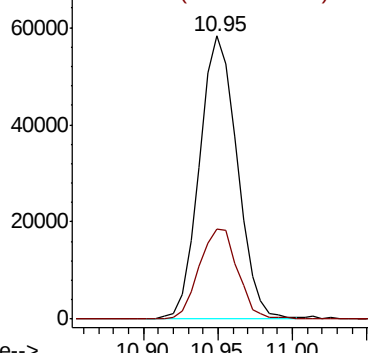
76 100

78 32.6 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 112.542 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064773.D

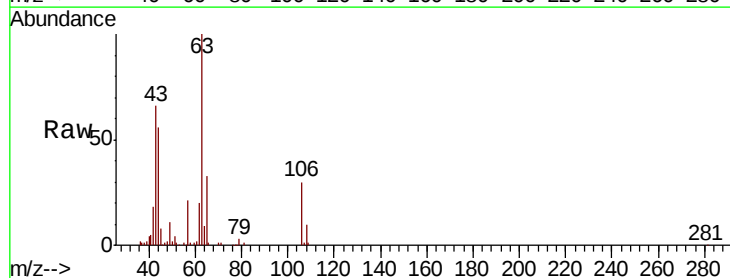
Acq: 06 Jan 2020 15:16

Tgt Ion: 63 Resp: 145896

Ion Ratio Lower Upper

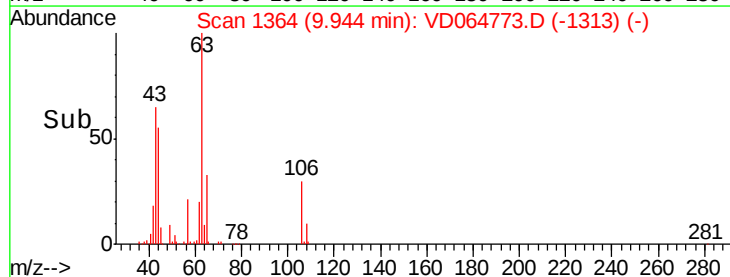
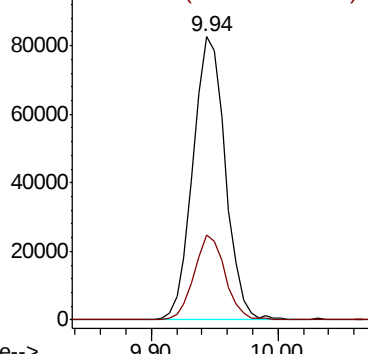
63 100

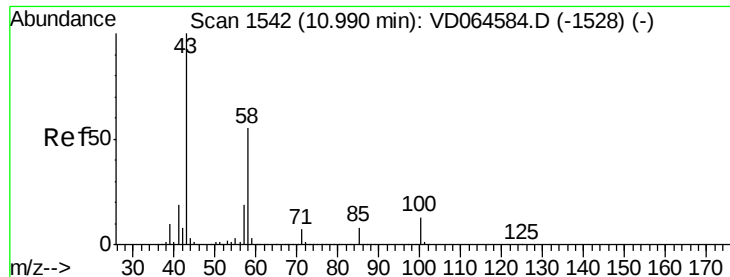
106 28.9 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 113.040 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

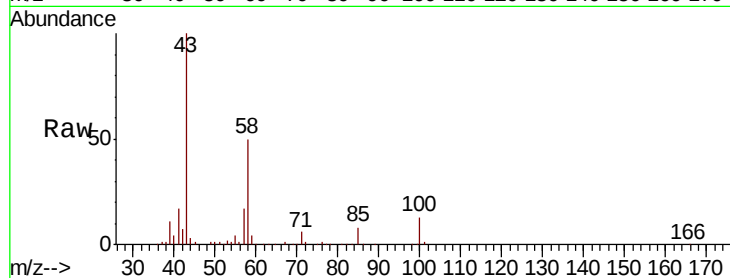
ClientSampled :

Tot Ion: 43 Resp: 164966

Ion Ratio Lower Upper

43 100

58 51.9 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.99

100000

80000

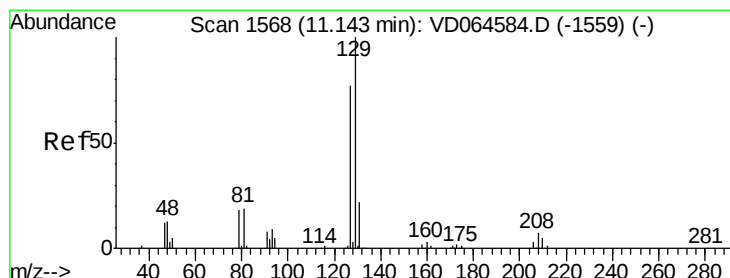
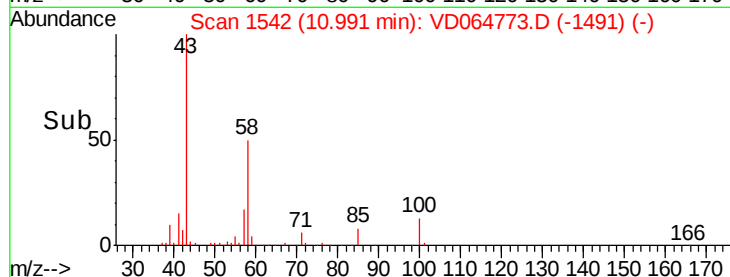
60000

40000

20000

0

Time-->



#60

Dibromochloromethane

Concen: 21.315 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD064773.D

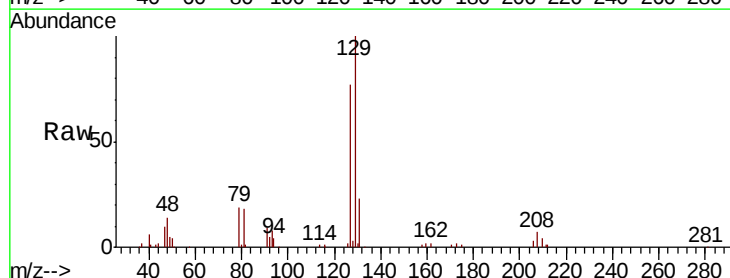
Acq: 06 Jan 2020 15:16

Tgt Ion:129 Resp: 80307

Ion Ratio Lower Upper

129 100

127 76.2 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.14

50000

40000

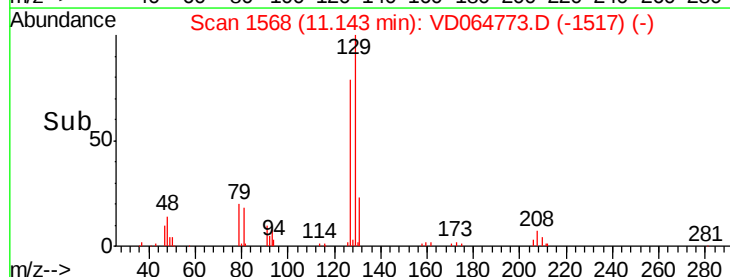
30000

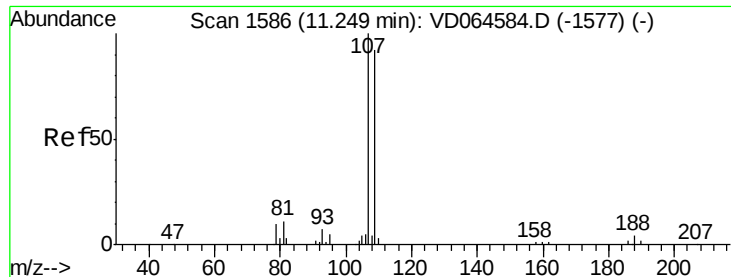
20000

10000

0

Time-->

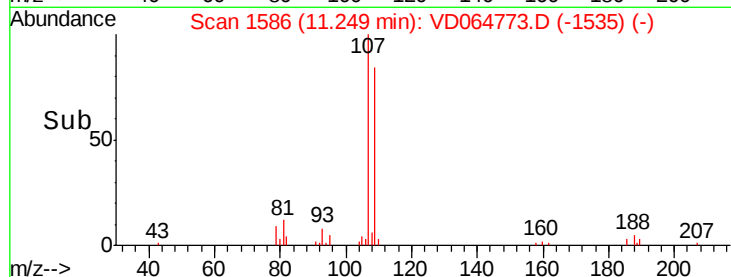
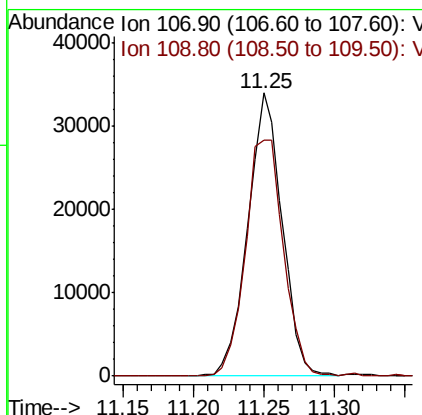
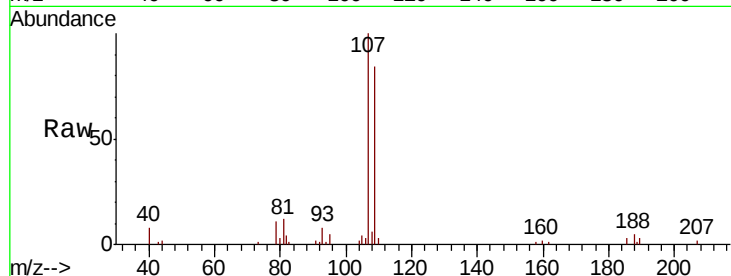




#61
 1,2-Dibromoethane
 Concen: 21.504 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

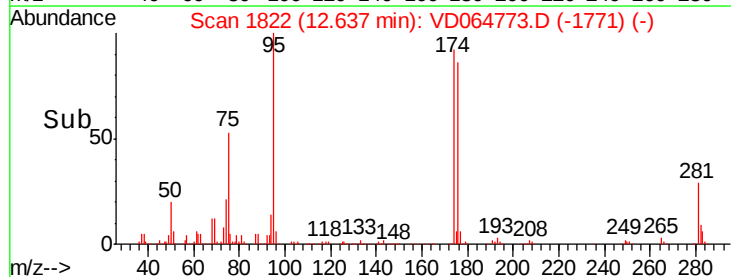
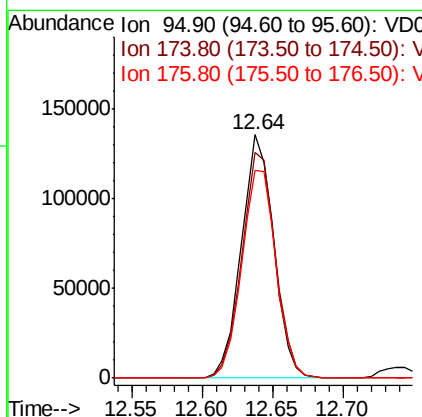
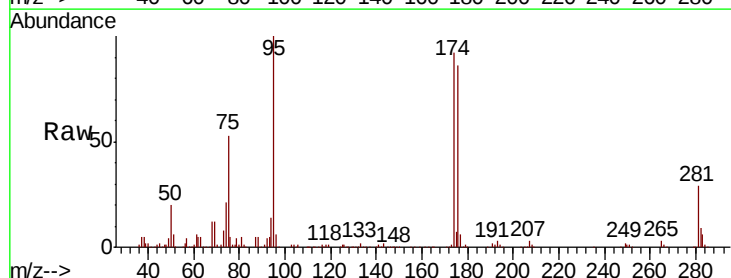
Instrument :
 MSVOA_D
 ClientSampleId :

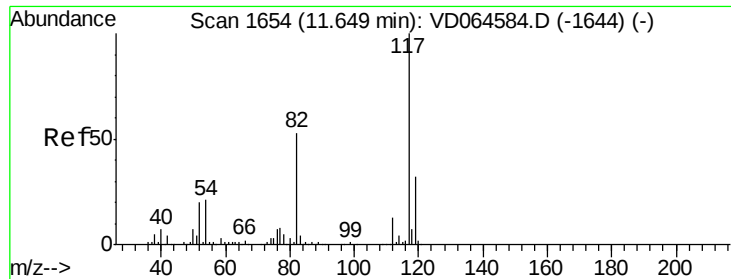
Tot Ion:107 Resp: 57786
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.698 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion: 95 Resp: 217724
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 193.2
 176 90.8 0.0 184.2

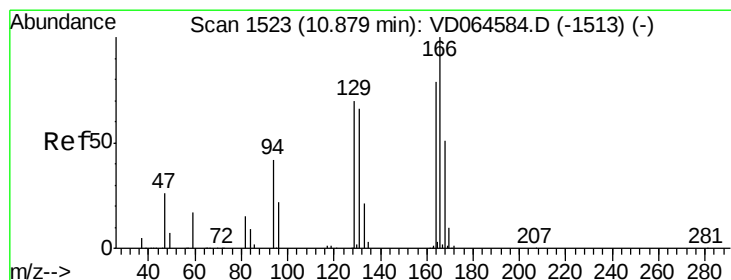
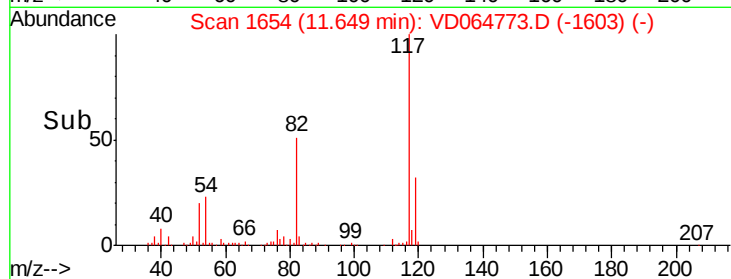
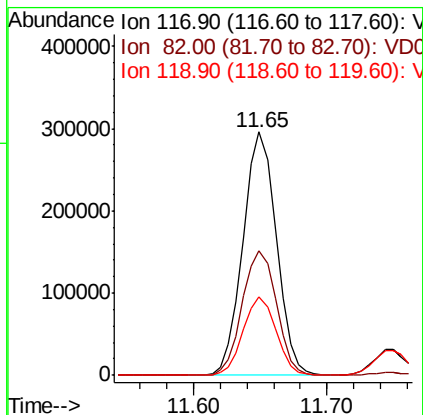
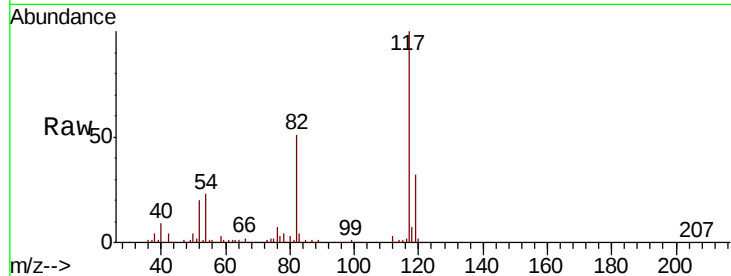




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

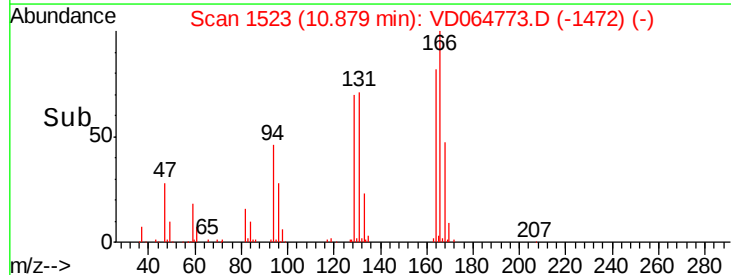
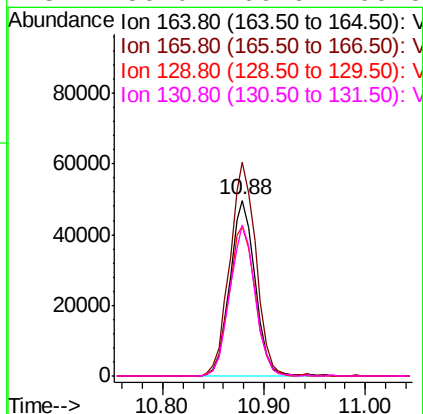
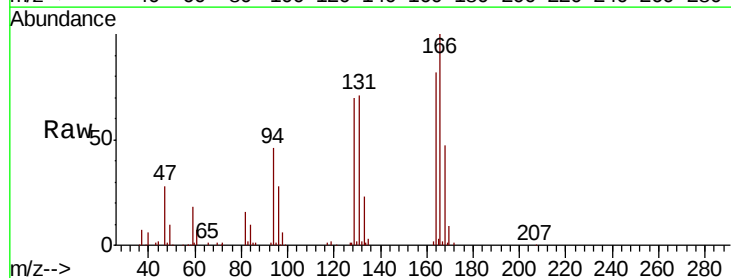
Instrument :
MSVOA_D
ClientSampleId :

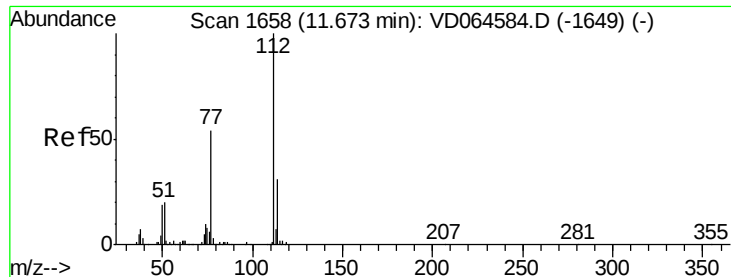
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.2	63.4
119	32.1	26.0	39.0



#64
Tetrachloroethene
Concen: 21.725 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.3	151.9
129	85.3	70.5	105.7
131	86.0	66.6	99.8

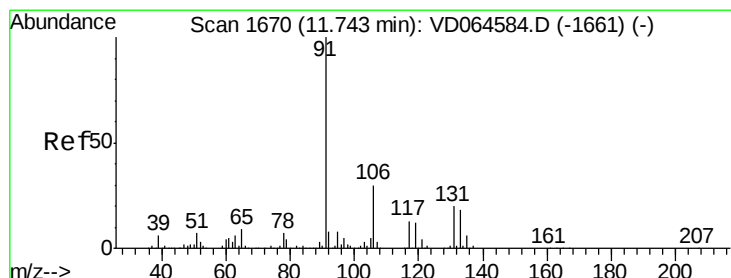
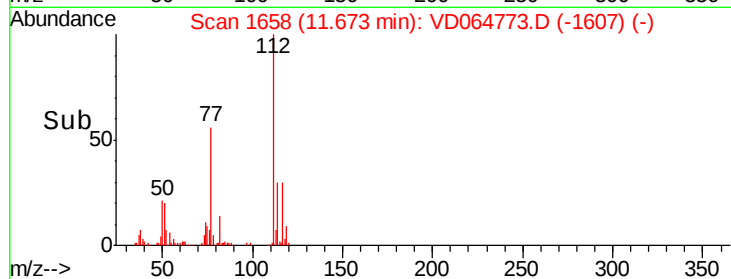
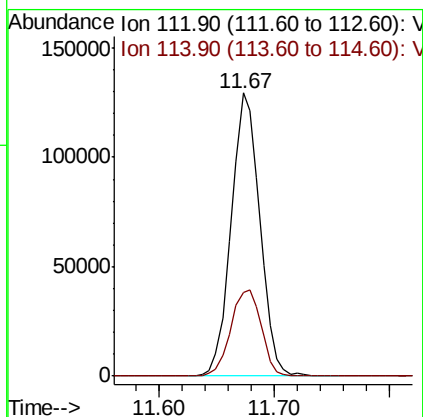
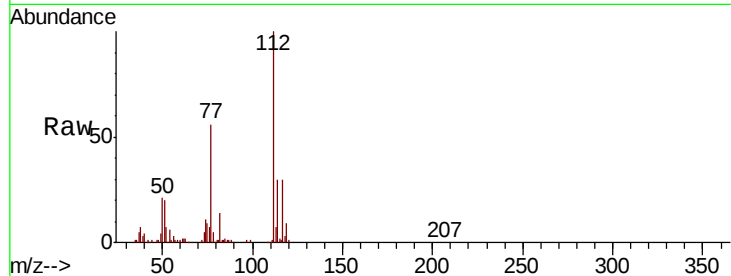




#65
Chlorobenzene
Concen: 20.862 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

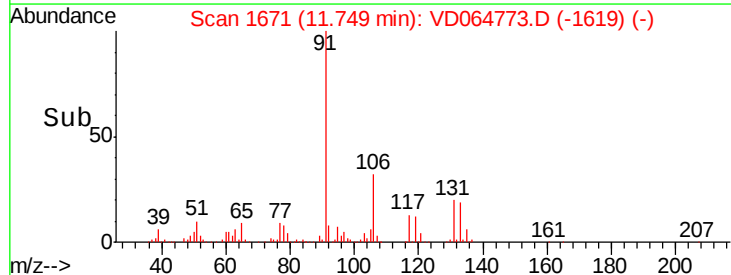
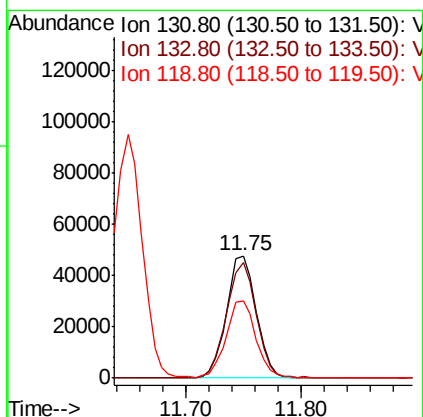
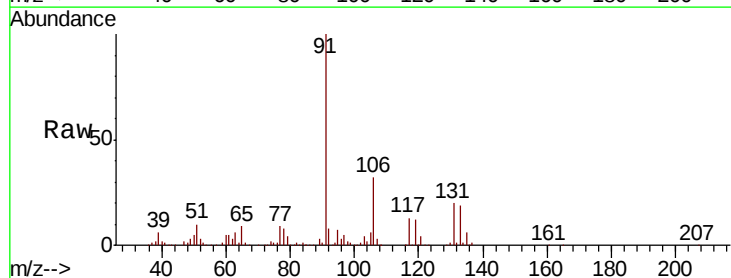
Instrument :
MSVOA_D
ClientSampleId :

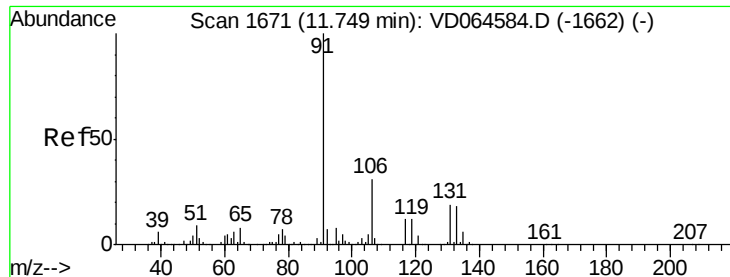
Tot Ion:112 Resp: 222392
Ion Ratio Lower Upper
112 100
114 29.5 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.151 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion:131 Resp: 85001
Ion Ratio Lower Upper
131 100
133 95.0 48.3 144.8
119 63.7 32.1 96.3





#67

Ethyl Benzene

Concen: 20.493 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

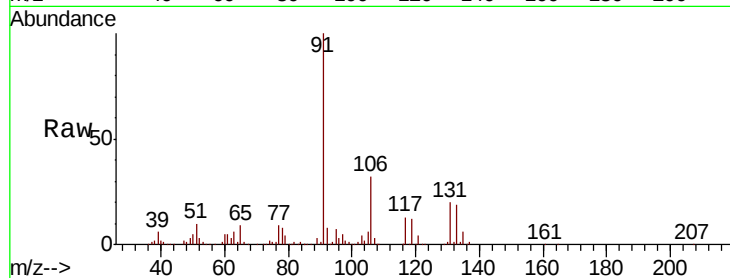
ClientSampleId :

Tot Ion: 91 Resp: 396526

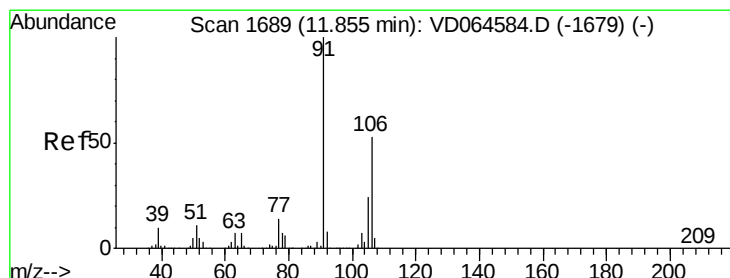
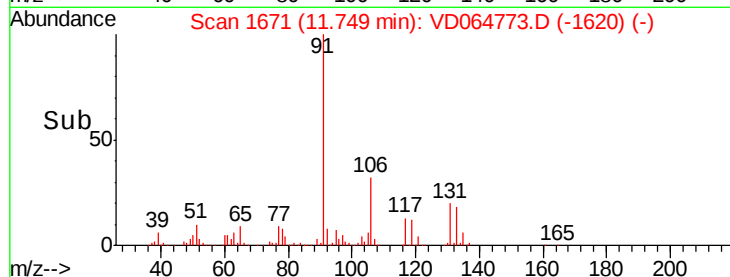
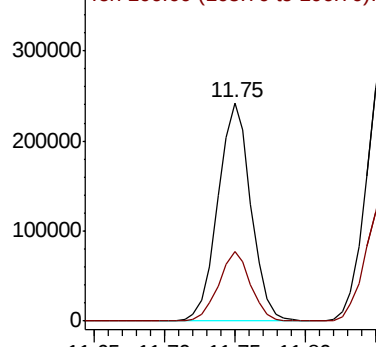
Ion Ratio Lower Upper

91 100

106 32.2 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 41.029 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064773.D

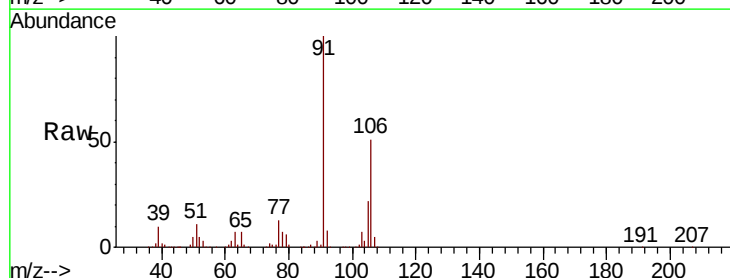
Acq: 06 Jan 2020 15:16

Tgt Ion: 106 Resp: 306425

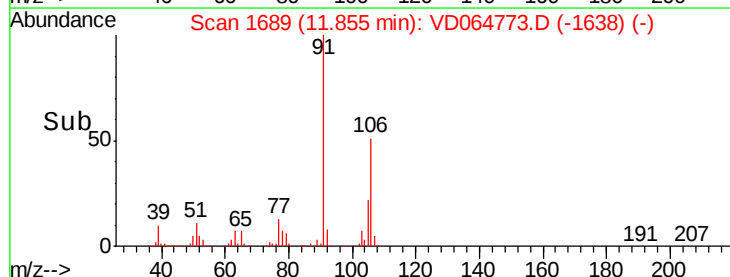
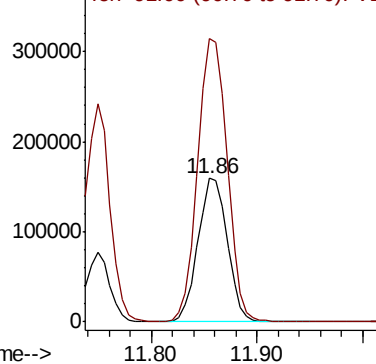
Ion Ratio Lower Upper

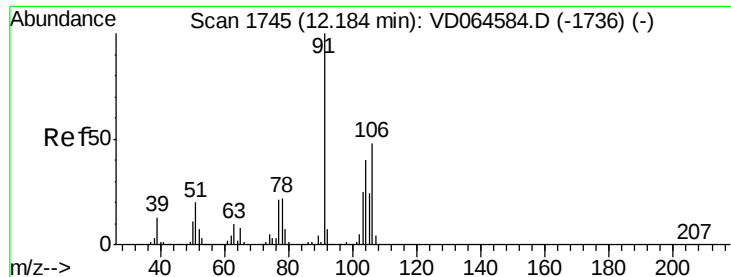
106 100

91 198.5 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

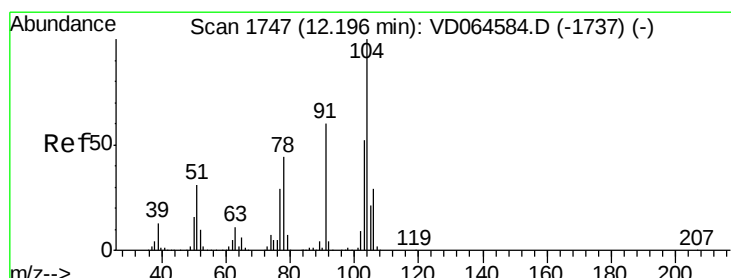
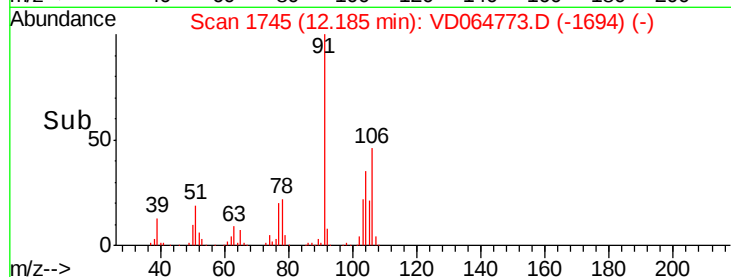
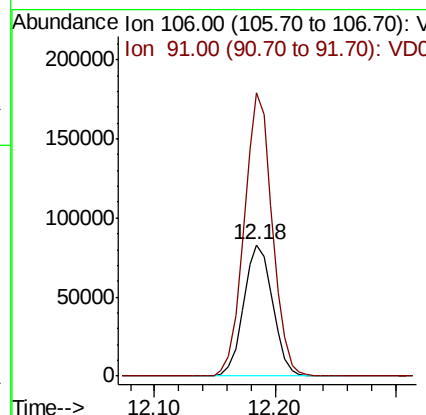
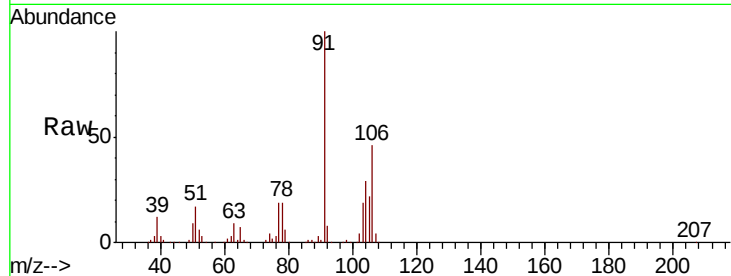




#69
o-Xylene
Concen: 20.609 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

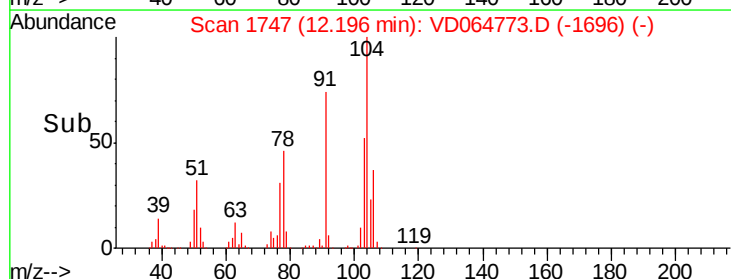
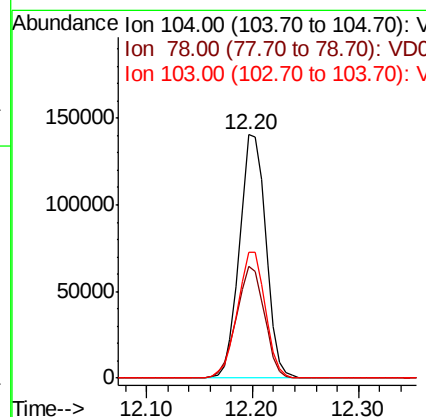
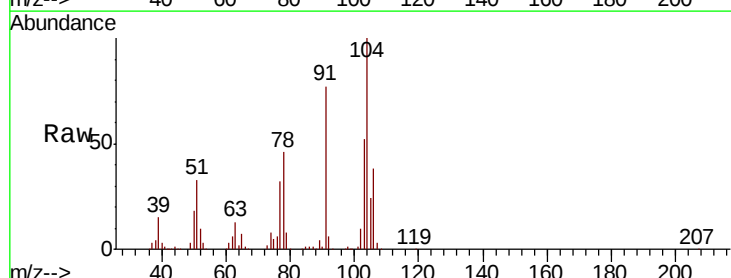
Instrument :
MSVOA_D
ClientSampled :

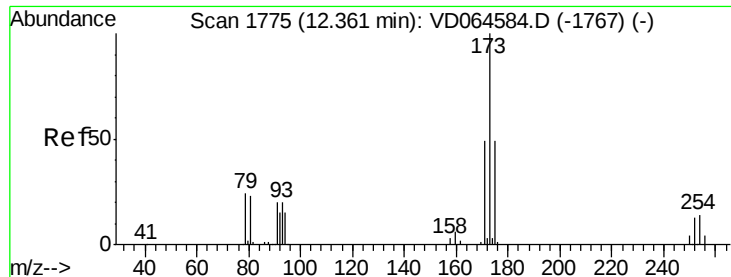
Tot Ion:106 Resp: 139024
Ion Ratio Lower Upper
106 100
91 209.6 104.8 314.4



#70
Styrene
Concen: 20.469 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion:104 Resp: 242371
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.2
103 54.6 44.6 67.0





#71

Bromoform

Concen: 21.516 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

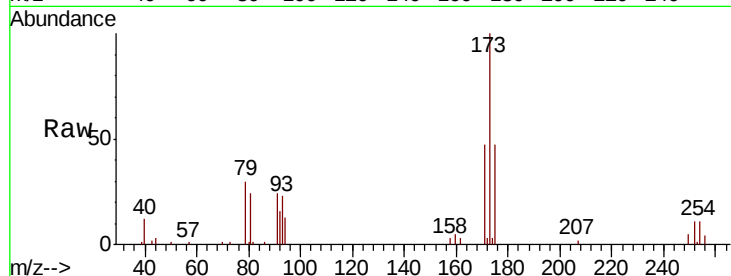
Tot Ion:173 Resp: 49312

Ion Ratio Lower Upper

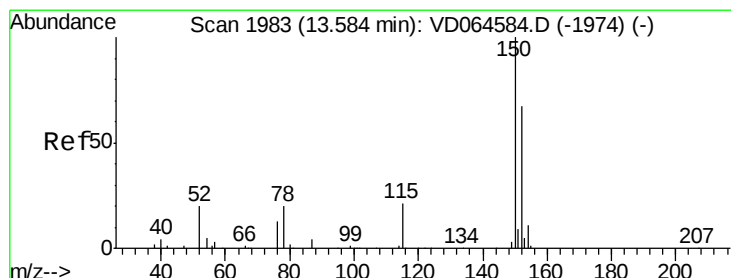
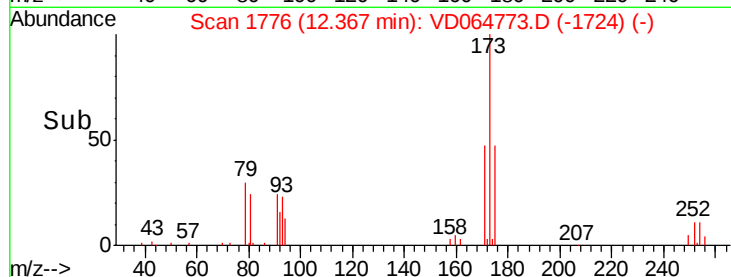
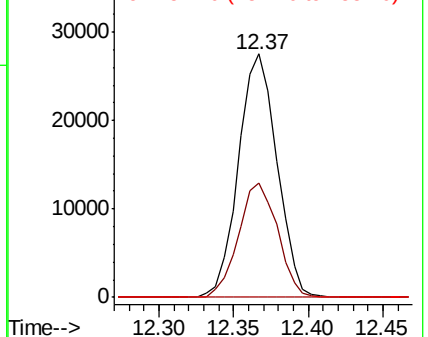
173 100

175 47.6 24.6 73.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

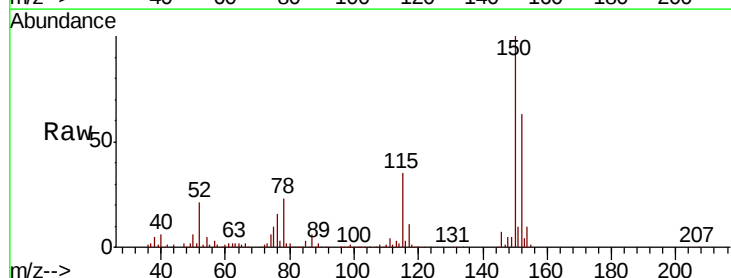
Tgt Ion:152 Resp: 255924

Ion Ratio Lower Upper

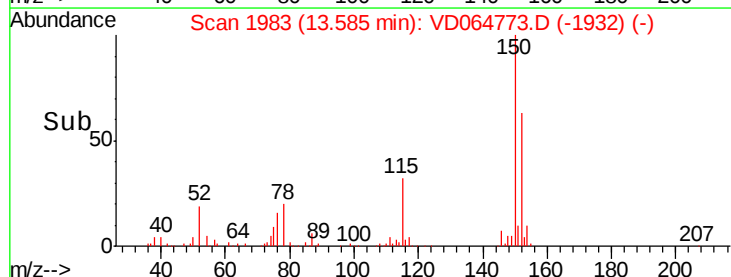
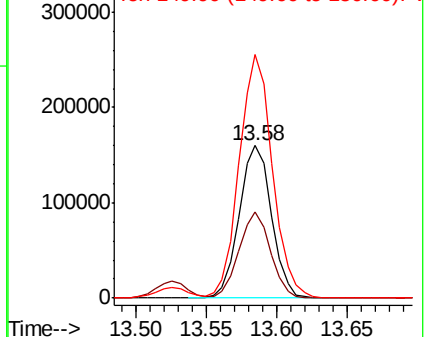
152 100

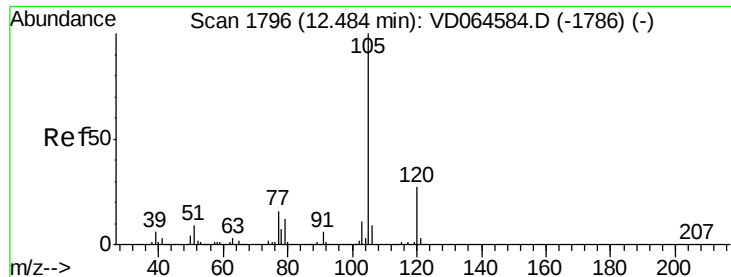
115 55.1 27.8 83.4

150 164.3 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.967 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

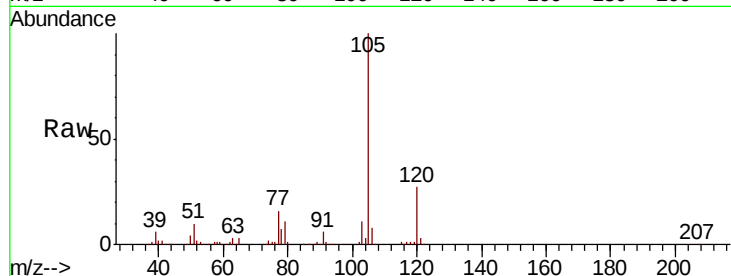
ClientSampleId :

Tot Ion:105 Resp: 383459

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

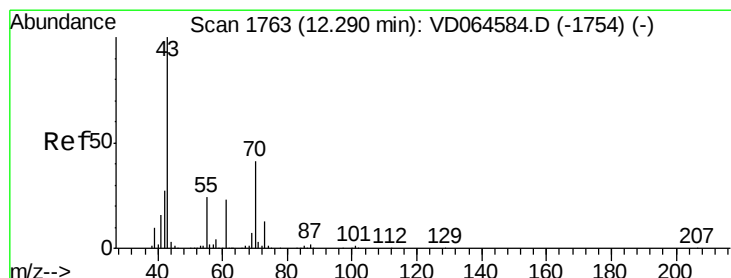
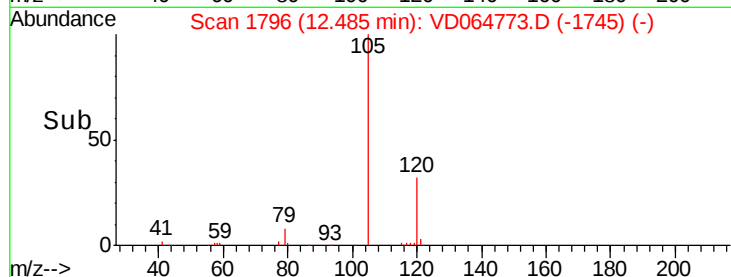
150000

100000

50000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 20.978 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Tgt Ion: 43 Resp: 82013

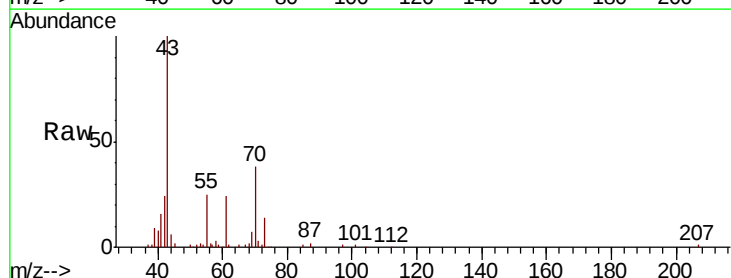
Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.0

55 25.7 19.4 29.0

61 22.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

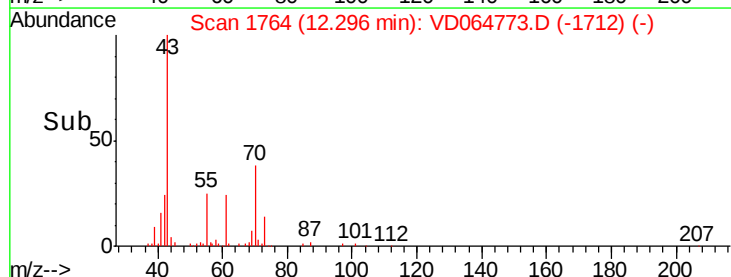
60000

40000

20000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 21.551 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

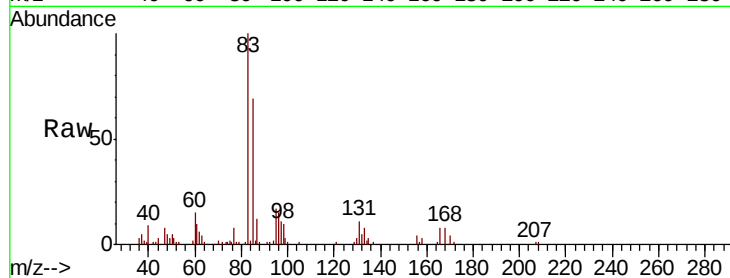
Tot Ion: 83 Resp: 61916

Ion Ratio Lower Upper

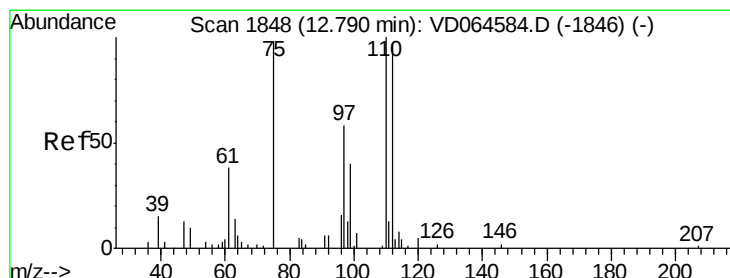
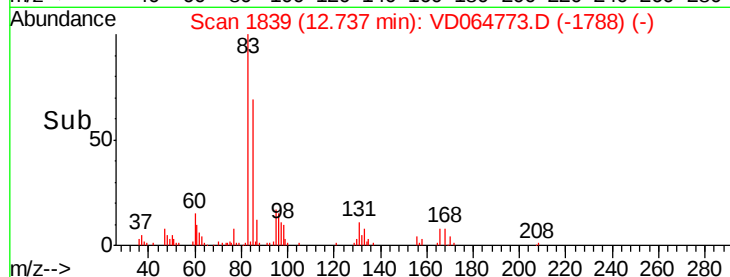
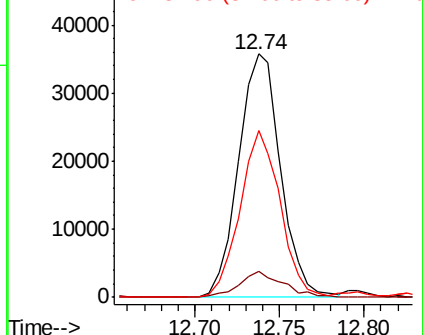
83 100

131 11.0 5.8 17.4

85 65.4 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 41.530 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064773.D

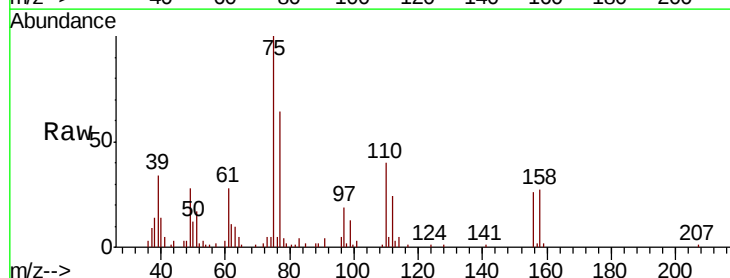
Acq: 06 Jan 2020 15:16

Tgt Ion: 75 Resp: 83930

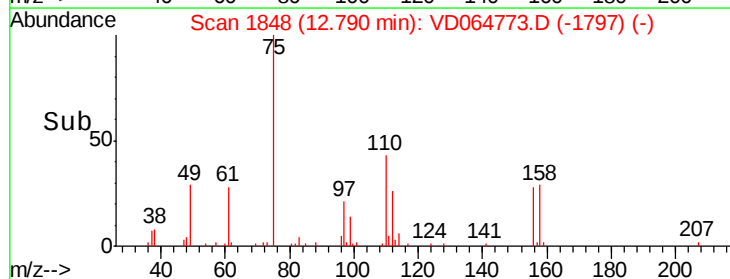
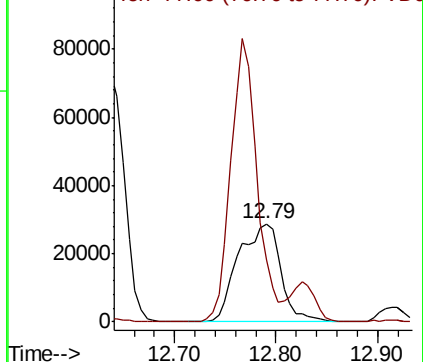
Ion Ratio Lower Upper

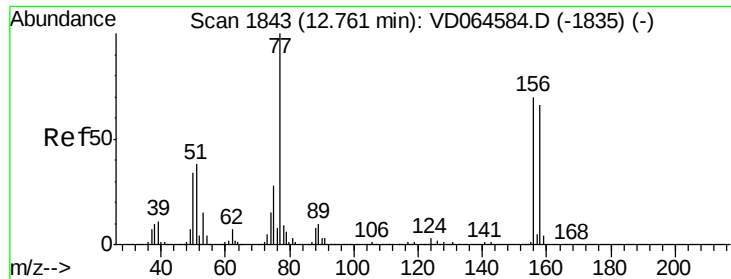
75 100

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: 20.855 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampled :

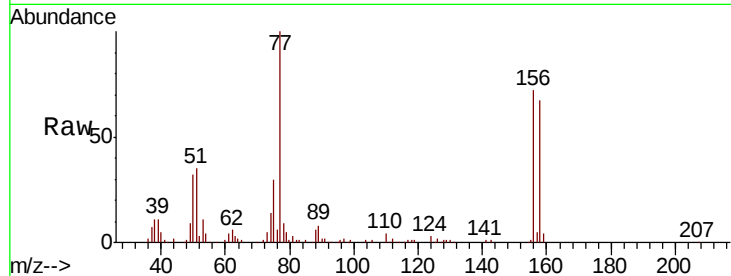
Tot Ion:156 Resp: 93720

Ion Ratio Lower Upper

156 100

77 161.4 80.9 242.7

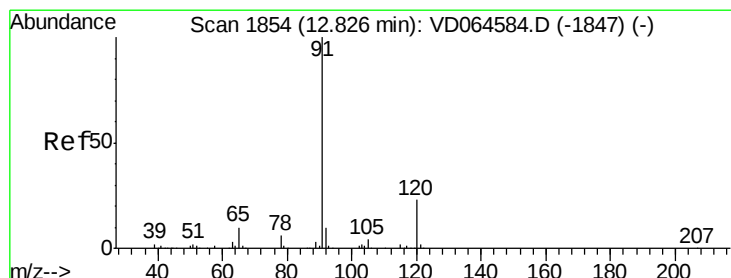
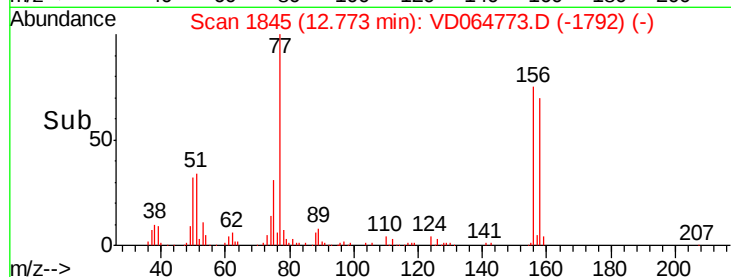
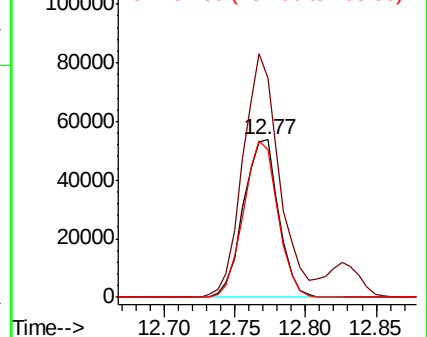
158 96.7 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.070 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064773.D

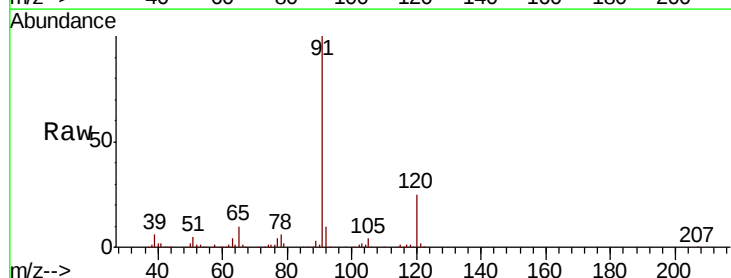
Acq: 06 Jan 2020 15:16

Tgt Ion: 91 Resp: 449556

Ion Ratio Lower Upper

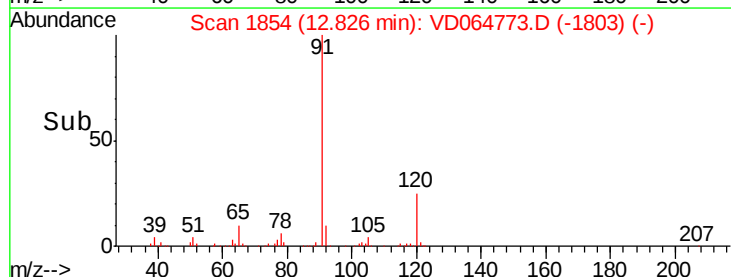
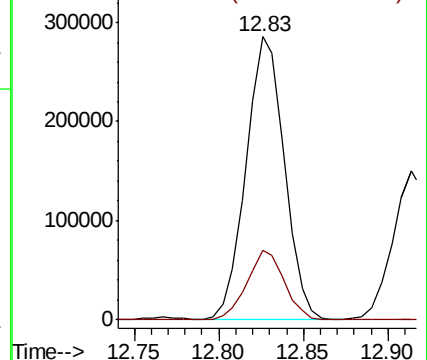
91 100

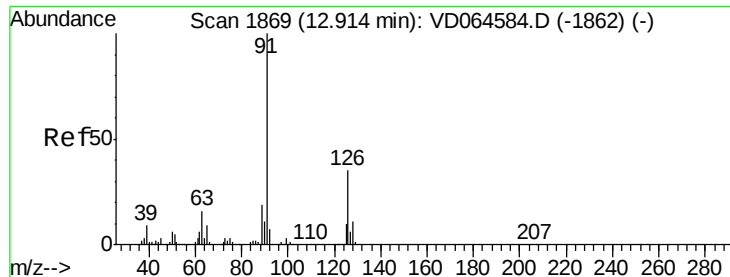
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.334 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

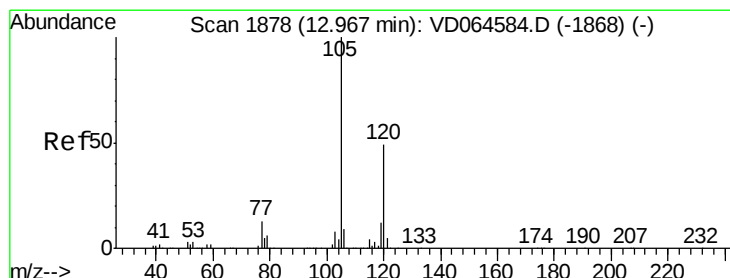
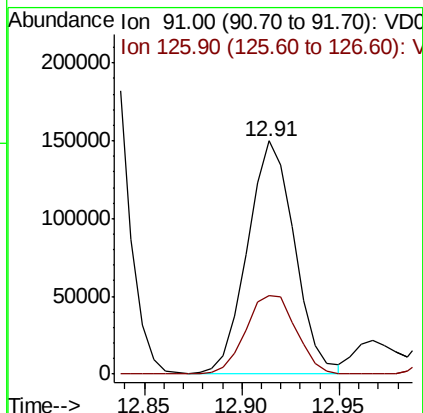
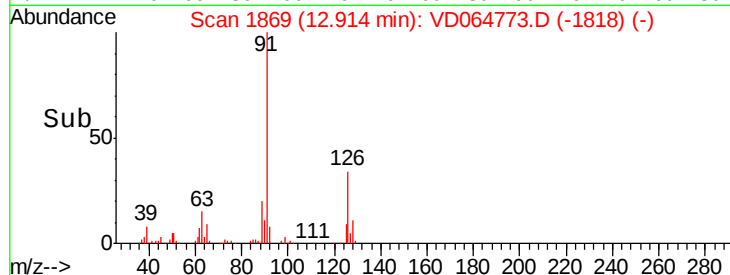
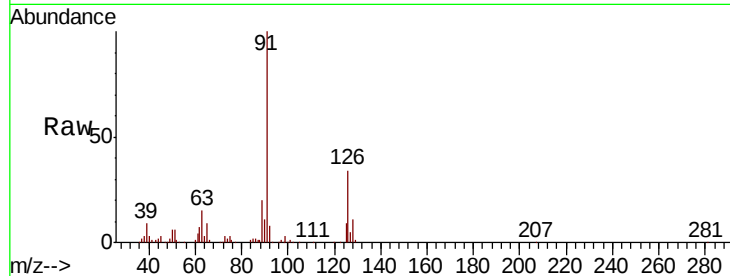
ClientSampled :

Tot Ion: 91 Resp: 250051

Ion Ratio Lower Upper

91 100

126 36.2 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 21.101 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064773.D

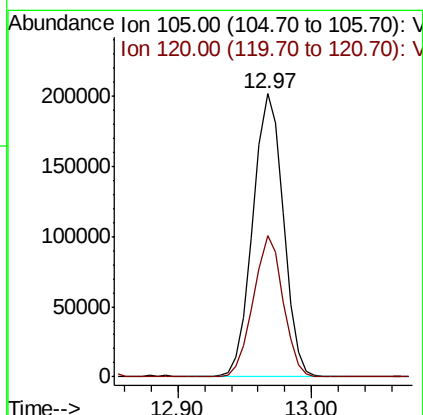
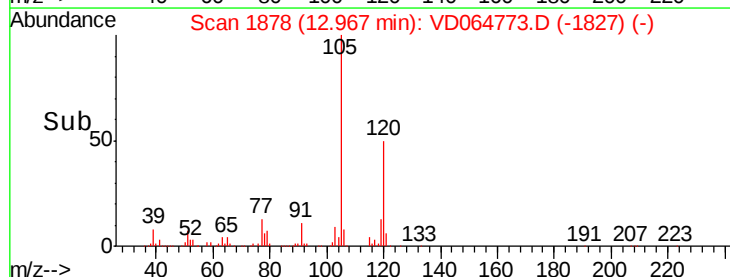
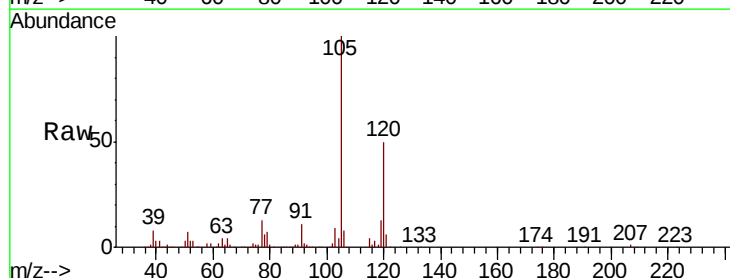
Acq: 06 Jan 2020 15:16

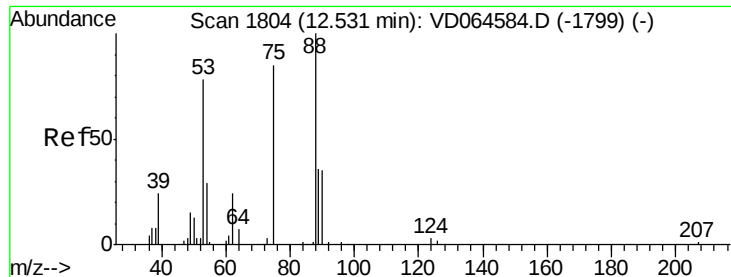
Tgt Ion:105 Resp: 317009

Ion Ratio Lower Upper

105 100

120 48.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.781 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

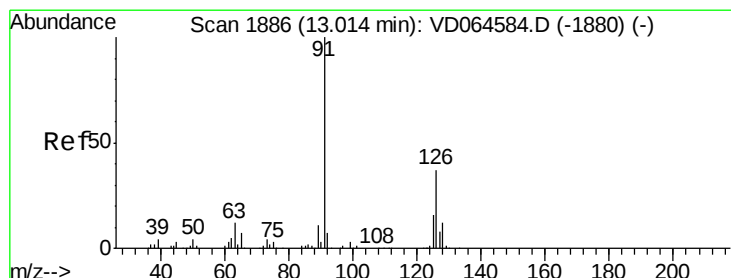
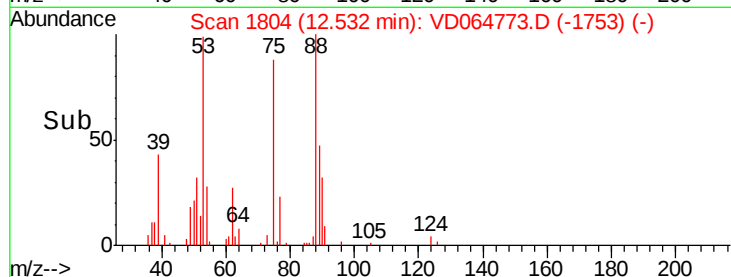
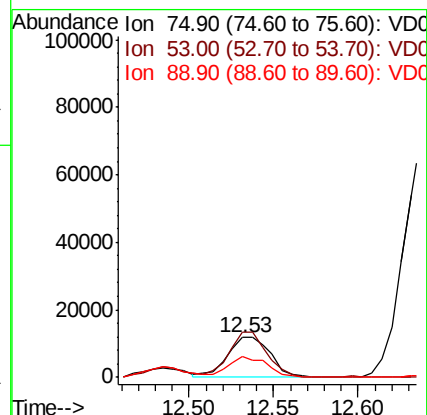
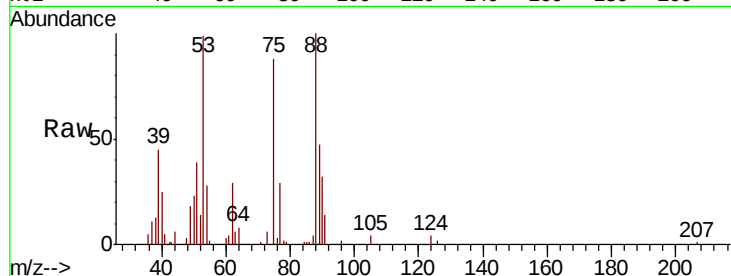
Tot Ion: 75 Resp: 21046

Ion Ratio Lower Upper

75 100

53 100.3 78.8 118.2

89 46.2 38.3 57.5



#82

4-Chlorotoluene

Concen: 20.880 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064773.D

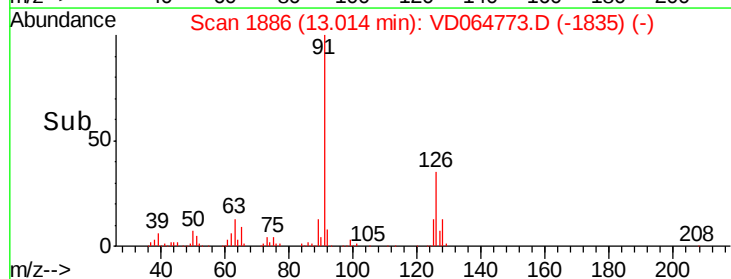
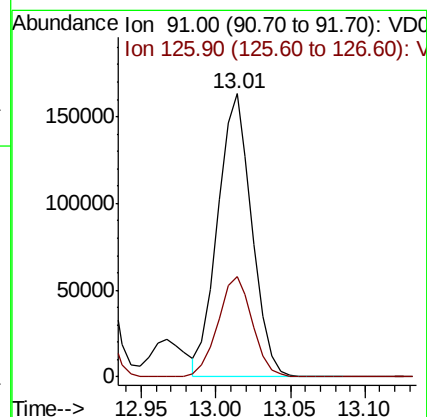
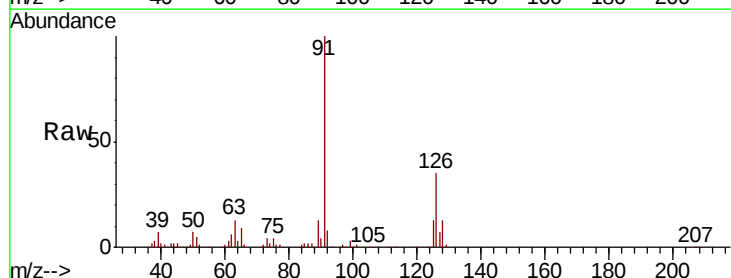
Acq: 06 Jan 2020 15:16

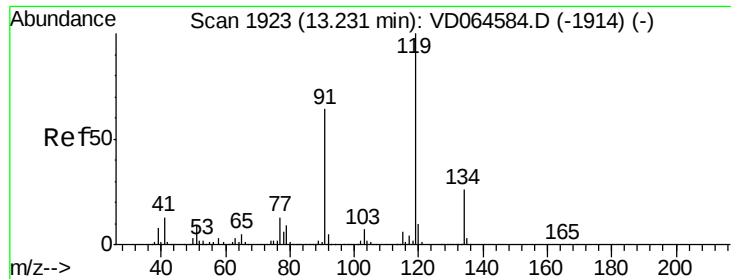
Tgt Ion: 91 Resp: 260447

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5

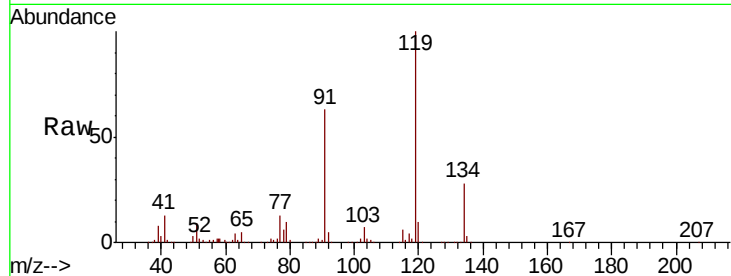




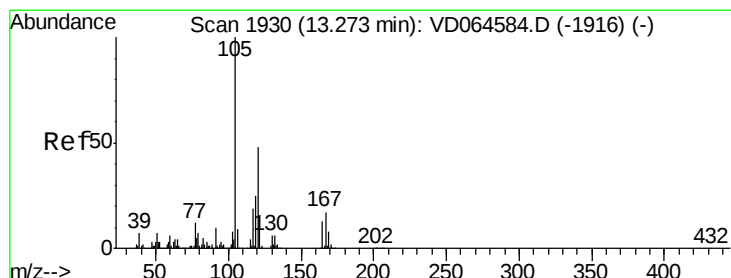
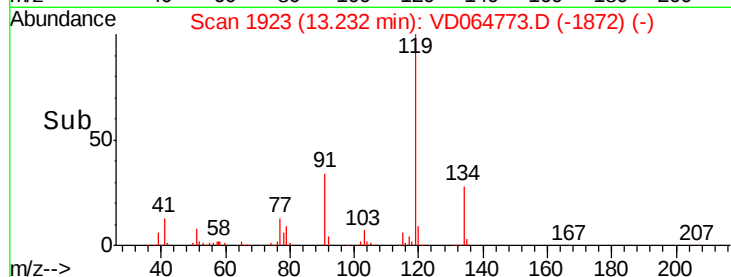
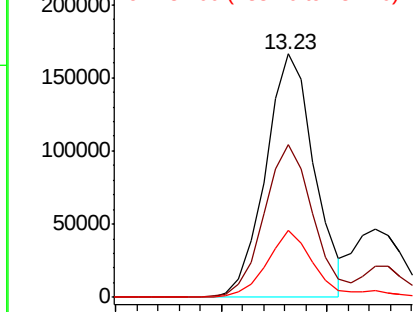
#83
tert-Butylbenzene
Concen: 20.367 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 265668
Ion Ratio Lower Upper
119 100
91 63.8 30.8 92.4
134 27.8 12.8 38.3

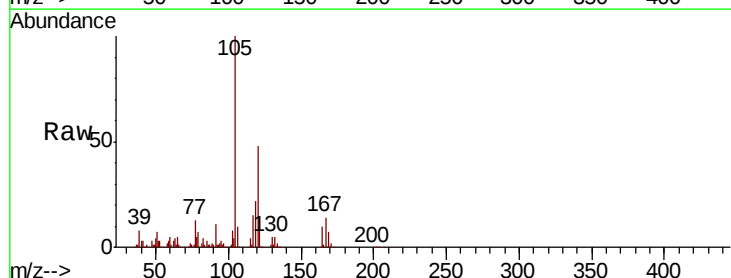


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

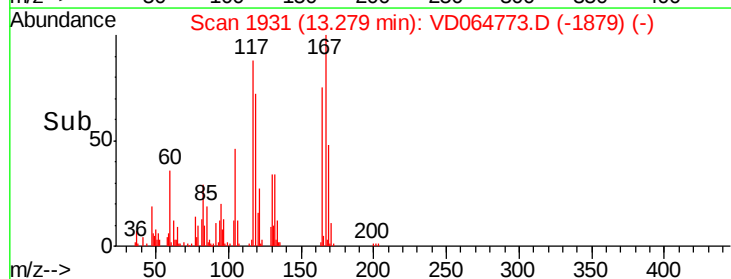
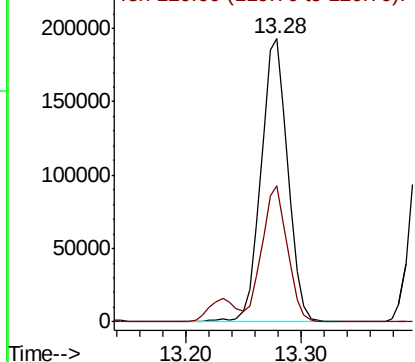


#84
1,2,4-Trimethylbenzene
Concen: 20.829 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion:105 Resp: 311656
Ion Ratio Lower Upper
105 100
120 45.9 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 20.921 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

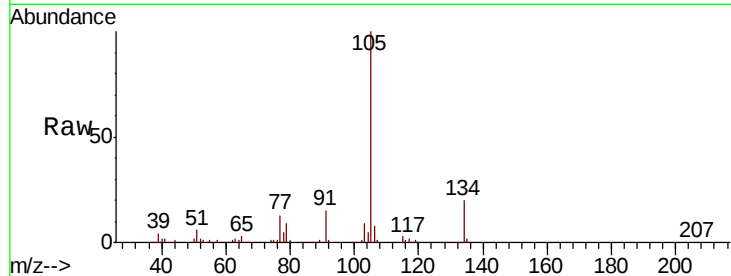
ClientSampled :

Tot Ion:105 Resp: 374117

Ion Ratio Lower Upper

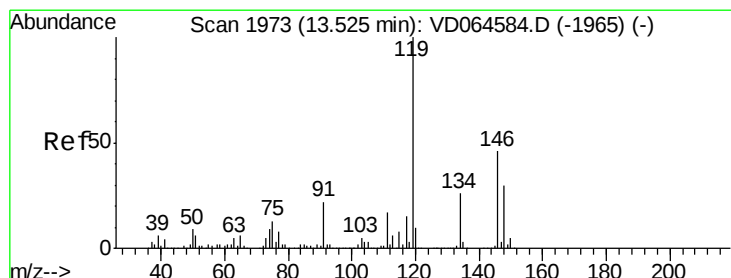
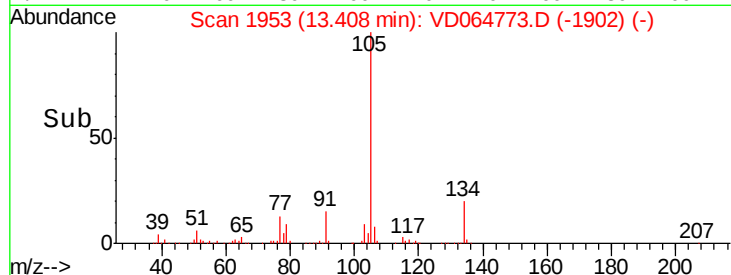
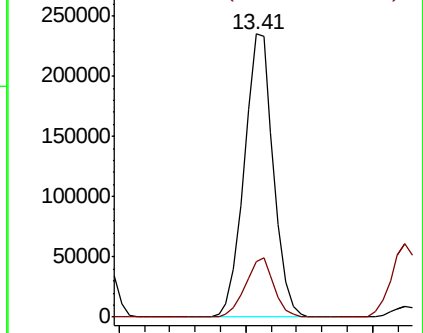
105 100

134 20.4 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.701 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

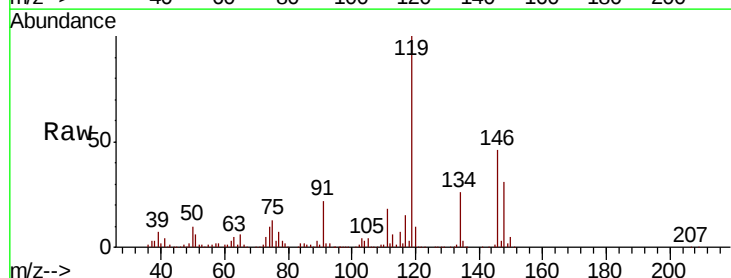
Tgt Ion:119 Resp: 353977

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

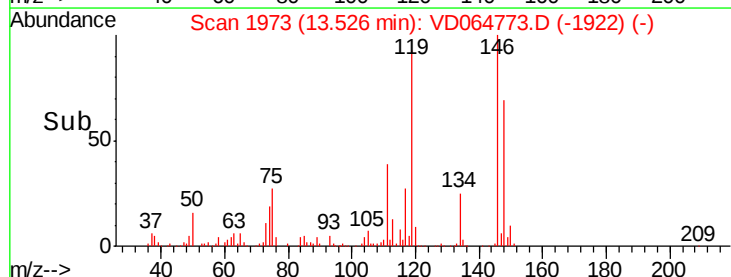
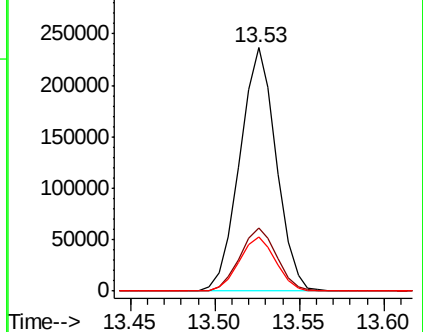
91 22.3 11.2 33.6

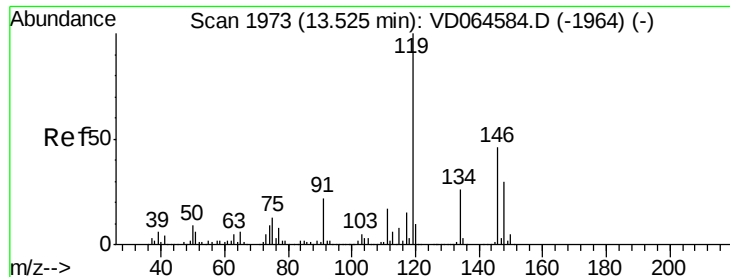


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

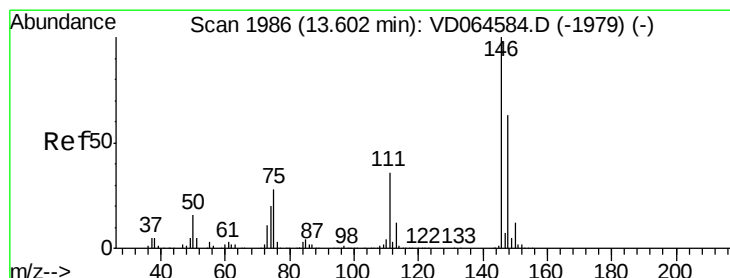
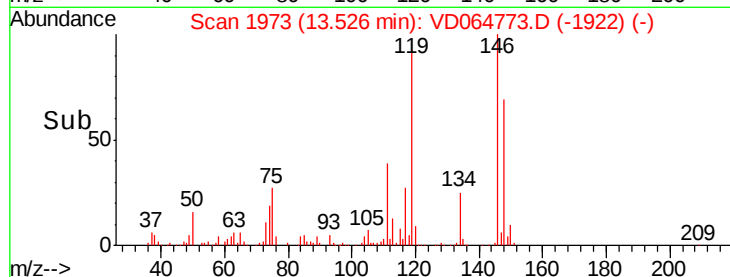
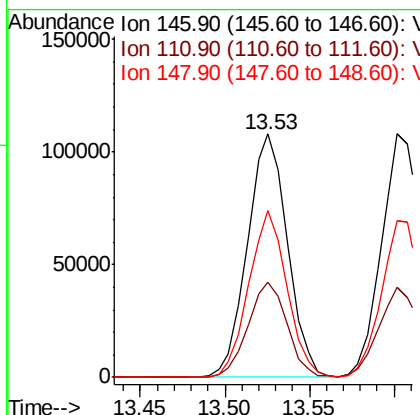
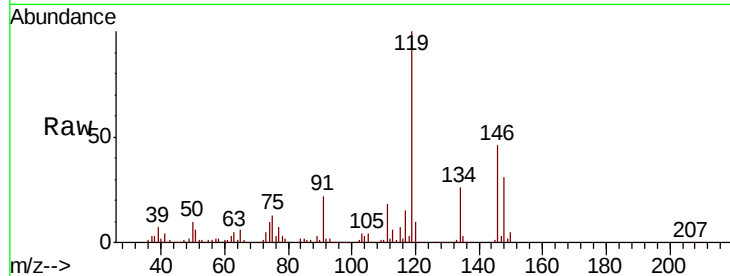




#87
 1,3-Dichlorobenzene
 Concen: 20.728 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

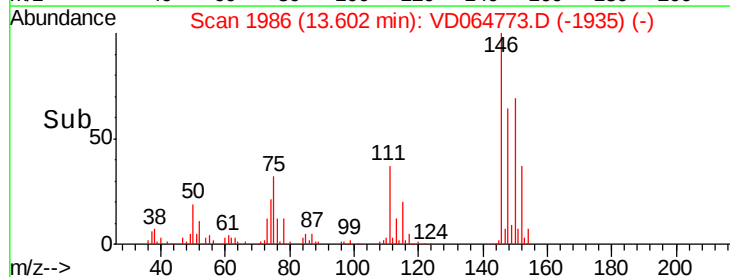
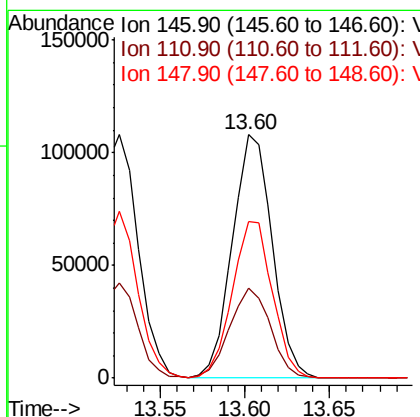
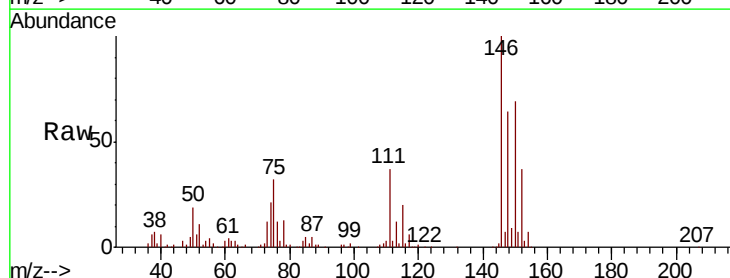
Instrument :
 MSVOA_D
 ClientSampleId :

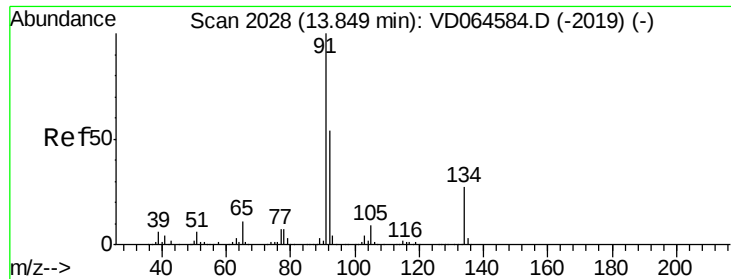
Tot Ion:146 Resp: 177571
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.4
 148 65.7 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 21.198 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion:146 Resp: 178400
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.1 54.1
 148 64.5 32.3 96.9

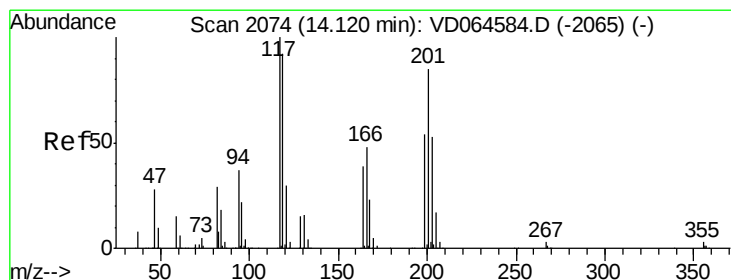
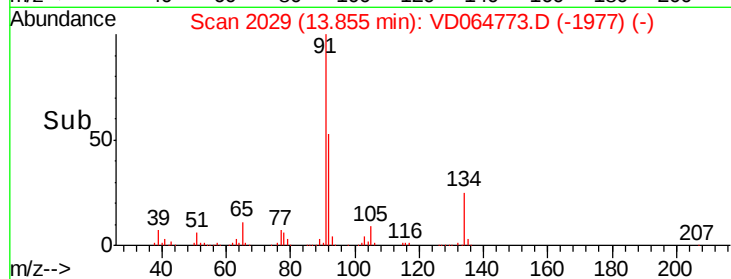
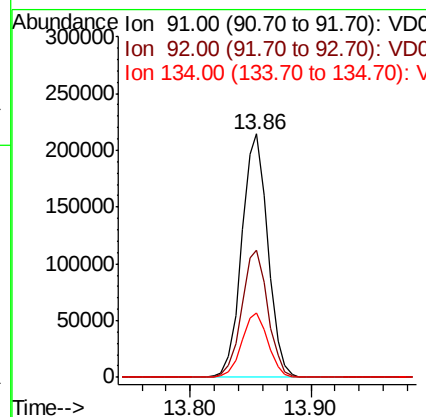
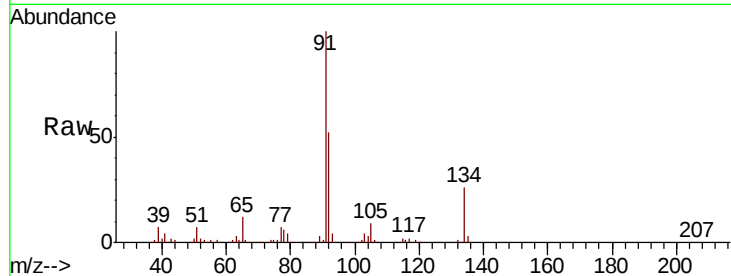




#89
n-Butylbenzene
Concen: 20.910 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

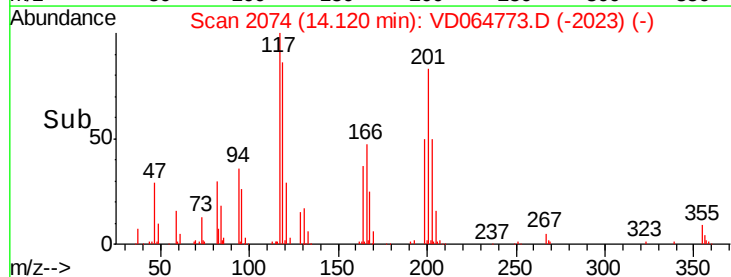
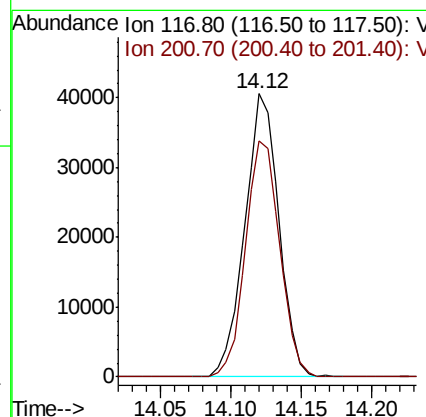
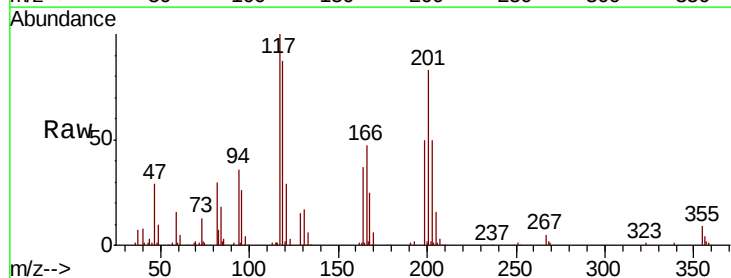
Instrument :
MSVOA_D
ClientSampled :

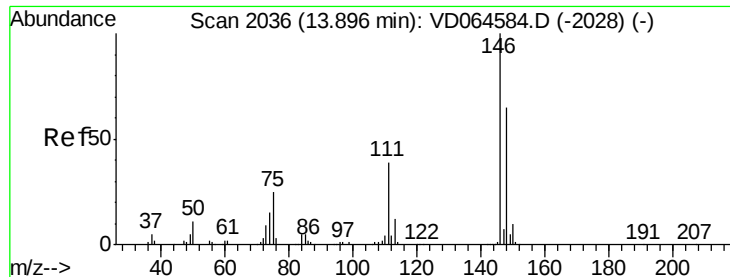
Tot Ion: 91 Resp: 321986
Ion Ratio Lower Upper
91 100
92 52.2 26.8 80.4
134 26.5 14.0 41.9



#90
Hexachloroethane
Concen: 21.012 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion: 117 Resp: 68633
Ion Ratio Lower Upper
117 100
201 83.9 44.0 131.8

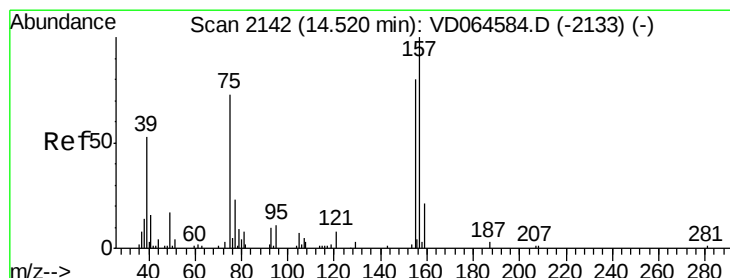
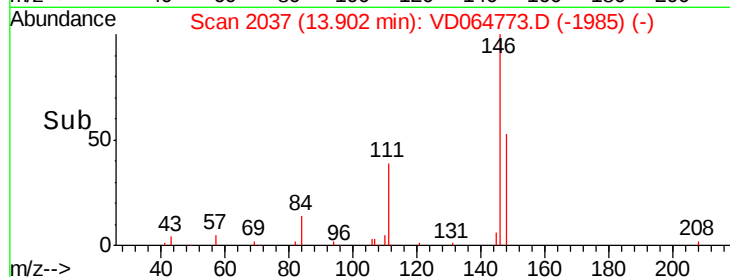
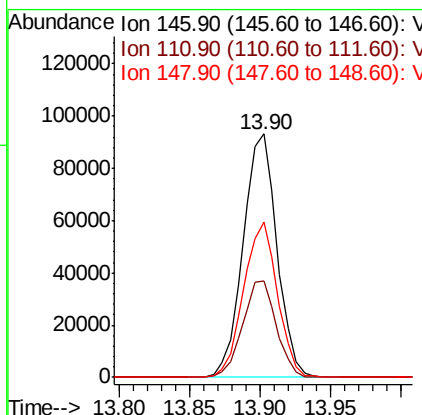
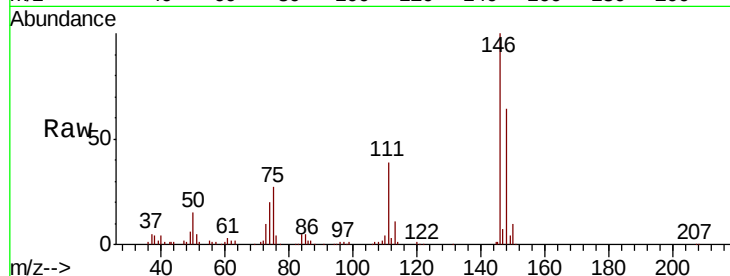




#91
 1,2-Dichlorobenzene
 Concen: 21.395 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

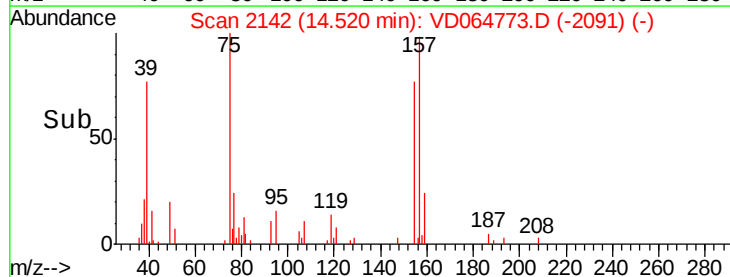
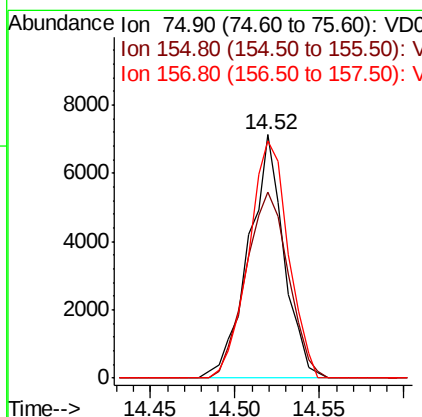
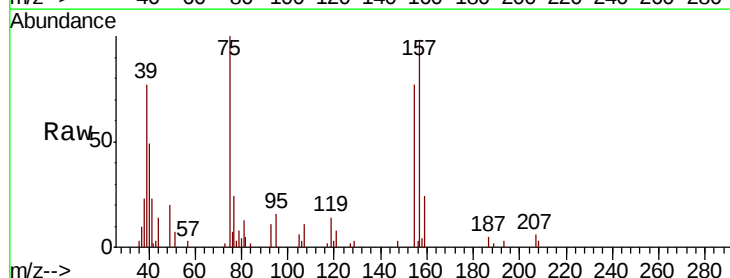
Instrument :
 MSVOA_D
 ClientSampleId :

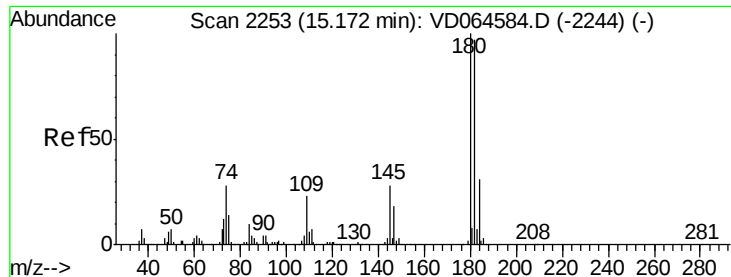
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	63.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.203 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	48.0	144.0
157	109.4	64.1	192.3

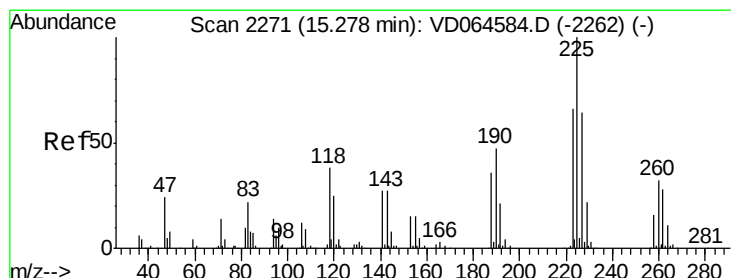
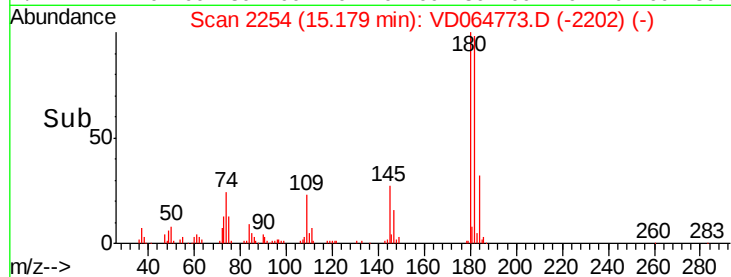
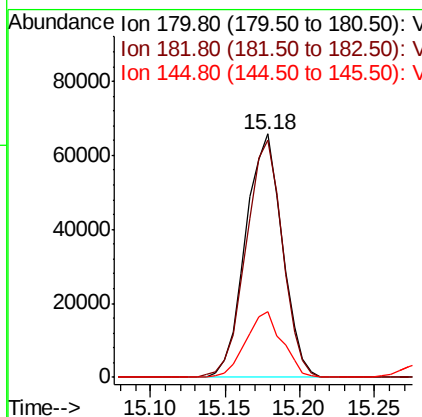
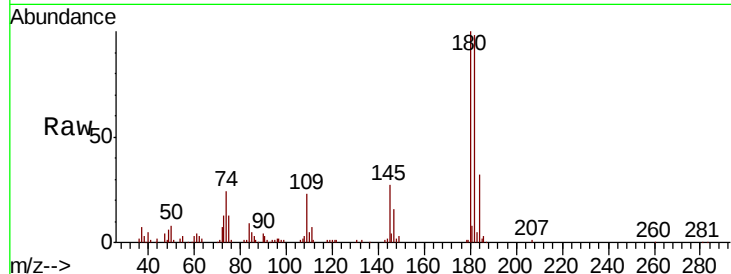




#93
 1,2,4-Trichlorobenzene
 Concen: 20.810 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

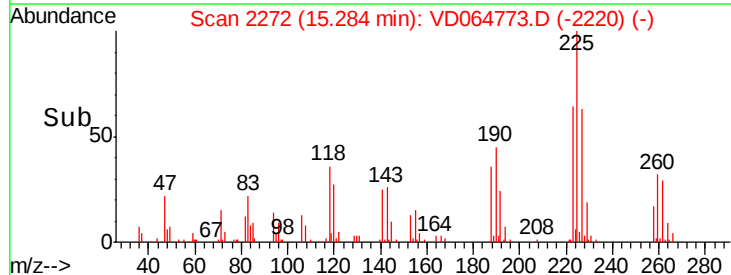
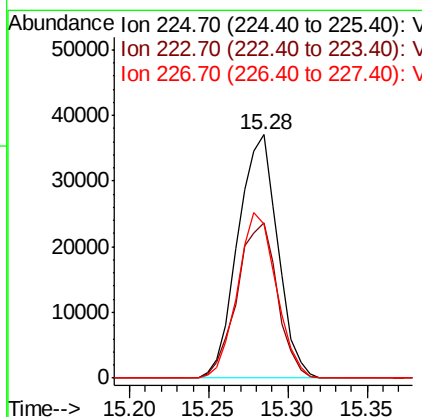
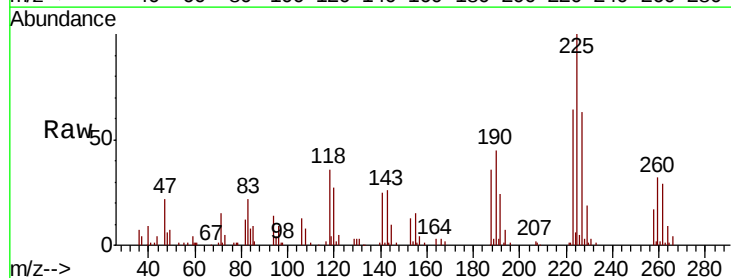
Instrument :
 MSVOA_D
 ClientSampled :

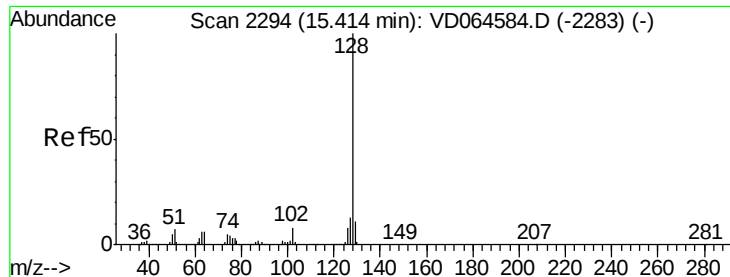
Tot Ion:180 Resp: 111931
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.0 144.2
 145 26.8 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 19.052 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion:225 Resp: 64484
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.1 93.2
 227 66.2 30.9 92.7

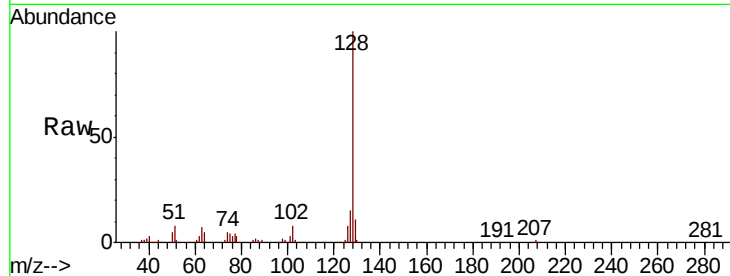




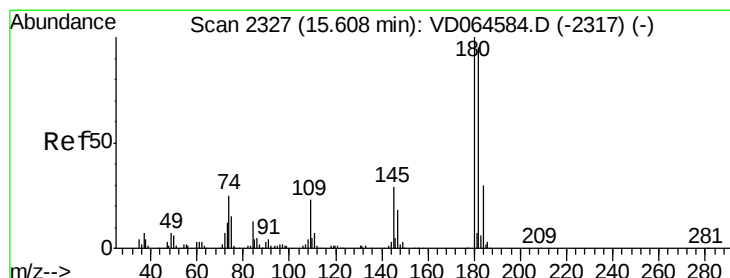
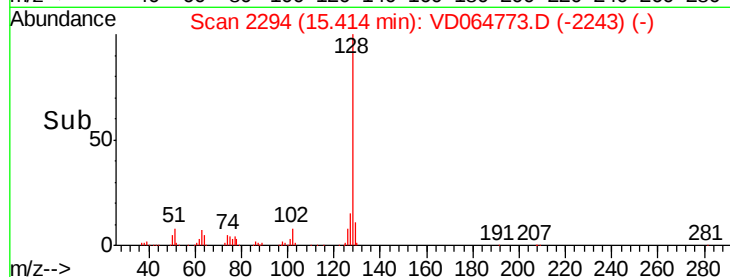
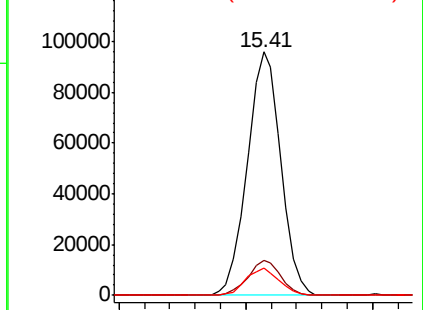
#95
Naphthalene
Concen: 20.698 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 176125
Ion Ratio Lower Upper
128 100
127 14.0 10.3 15.5
129 11.1 8.5 12.7

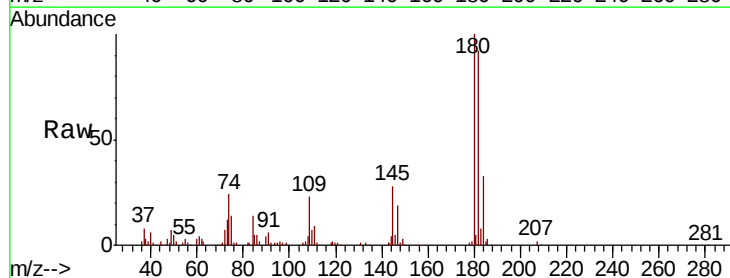


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.669 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion:180 Resp: 94909
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.7
145 28.7 14.9 44.7



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

