

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066374.D
 Acq On : 24 Aug 2020 12:01
 Operator : VA/SY
 Sample : VD0824SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Quant Time: Aug 25 02:40:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	204790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	273010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	257593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	139492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	108893	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	7.91	113	93878	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
50) Toluene-d8	10.34	98	348525	55.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.60%	
62) 4-Bromofluorobenzene	12.63	95	126281	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	34242	19.668	ug/l	99
3) Chloromethane	2.20	50	22353	18.113	ug/l	98
4) Vinyl Chloride	2.34	62	23601	17.812	ug/l	95
5) Bromomethane	2.75	94	18206	18.370	ug/l	99
6) Chloroethane	2.91	64	15194	17.908	ug/l	94
7) Trichlorofluoromethane	3.27	101	70988	19.702	ug/l	95
8) Diethyl Ether	3.71	74	13975	17.311	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	32182	18.099	ug/l	96
10) Methyl Iodide	4.30	142	27217	13.420	ug/l	99
11) Tert butyl alcohol	5.23	59	7058	21.133	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	29565	17.713	ug/l	98
13) Acrolein	3.91	56	7129	79.960	ug/l	92
14) Allyl chloride	4.71	41	35314	15.851	ug/l	91
15) Acrylonitrile	5.42	53	27222	84.044	ug/l	99
16) Acetone	4.15	43	29999	82.878	ug/l	98
17) Carbon Disulfide	4.41	76	85997	17.001	ug/l	99
18) Methyl Acetate	4.71	43	11416	16.804	ug/l #	89
19) Methyl tert-butyl Ether	5.47	73	73477	18.282	ug/l	97
20) Methylene Chloride	4.96	84	40915	16.970	ug/l	86
21) trans-1,2-Dichloroethene	5.46	96	34089	17.545	ug/l	97
22) Diisopropyl ether	6.36	45	75555	17.517	ug/l	98
23) Vinyl Acetate	6.30	43	226124	84.683	ug/l	97
24) 1,1-Dichloroethane	6.26	63	53468	17.541	ug/l #	91
25) 2-Butanone	7.21	43	35842	87.224	ug/l	95
26) 2,2-Dichloropropane	7.20	77	61738	18.897	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	37250	17.893	ug/l	98
28) Bromochloromethane	7.54	49	17757	16.912	ug/l	93
29) Tetrahydrofuran	7.56	42	19954	85.494	ug/l	96
30) Chloroform	7.70	83	64770	18.366	ug/l	95
31) Cyclohexane	7.98	56	46993	16.857	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	69688	19.307	ug/l	97
36) 1,1-Dichloropropene	8.11	75	46368	18.614	ug/l	98
37) Ethyl Acetate	7.29	43	14651	17.293	ug/l #	64
38) Carbon Tetrachloride	8.09	117	67708	20.863	ug/l	96

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
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Quant Time: Aug 25 02:40:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	55434	18.891	ug/l	93
40) Benzene	8.34	78	125511	19.153	ug/l	99
41) Methacrylonitrile	7.52	41	7273	13.920	ug/l #	88
42) 1,2-Dichloroethane	8.42	62	46980	20.355	ug/l	97
43) Isopropyl Acetate	8.44	43	30250	17.789	ug/l	98
44) Trichloroethene	9.11	130	41102	19.302	ug/l	97
45) 1,2-Dichloropropane	9.38	63	28769	19.365	ug/l	96
46) Dibromomethane	9.47	93	17821	19.266	ug/l	98
47) Bromodichloromethane	9.66	83	48630	19.117	ug/l #	91
48) Methyl methacrylate	9.46	41	15313	17.462	ug/l	93
49) 1,4-Dioxane	9.46	88	4120	383.593	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	73337	89.147	ug/l	96
52) Toluene	10.40	92	88460	19.925	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	46635	19.321	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	51174	18.888	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	24352	19.447	ug/l	91
56) Ethyl methacrylate	10.66	69	27225	18.781	ug/l	96
57) 1,3-Dichloropropane	10.94	76	39566	19.102	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	63016	104.668	ug/l	95
59) 2-Hexanone	10.98	43	51213	88.257	ug/l	91
60) Dibromochloromethane	11.14	129	37129	19.671	ug/l	97
61) 1,2-Dibromoethane	11.24	107	23521	19.087	ug/l	98
64) Tetrachloroethene	10.87	164	36650	18.756	ug/l	96
65) Chlorobenzene	11.67	112	96472	18.824	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	41039	19.595	ug/l	97
67) Ethyl Benzene	11.74	91	172422	19.113	ug/l	89
68) m/p-Xylenes	11.86	106	130054	37.824	ug/l	94
69) o-Xylene	12.18	106	61165	19.122	ug/l	98
70) Styrene	12.20	104	105084	19.133	ug/l	97
71) Bromoform	12.36	173	22767	19.161	ug/l #	97
73) Isopropylbenzene	12.48	105	176478	18.886	ug/l	98
74) N-amyl acetate	12.29	43	27389	16.228	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.73	83	23792	17.823	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	36163	36.851	ug/l #	1
77) Bromobenzene	12.76	156	44607	18.808	ug/l	99
78) n-propylbenzene	12.82	91	200374	18.701	ug/l	100
79) 2-Chlorotoluene	12.91	91	111159	18.165	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	151208	18.741	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	7938	17.170	ug/l	94
82) 4-Chlorotoluene	13.01	91	120255	18.548	ug/l	98
83) tert-Butylbenzene	13.23	119	129456	18.473	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	150577	19.001	ug/l	98
85) sec-Butylbenzene	13.40	105	168438	18.345	ug/l	99
86) p-Isopropyltoluene	13.52	119	169178	19.109	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	82812	18.705	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	84248	18.952	ug/l	99
89) n-Butylbenzene	13.84	91	142057	18.183	ug/l	100
90) Hexachloroethane	14.11	117	31204	17.842	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	72944	19.139	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5384	19.230	ug/l	86

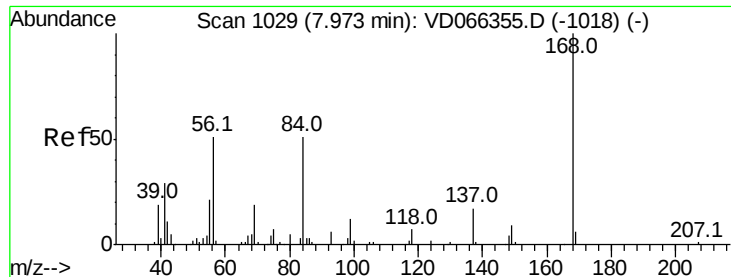
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082420\
Data File : VD066374.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	54835	18.429	ug/l	99
94) Hexachlorobutadiene	15.27	225	36127	19.538	ug/l	96
95) Naphthalene	15.41	128	83588	17.886	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	48110	18.875	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

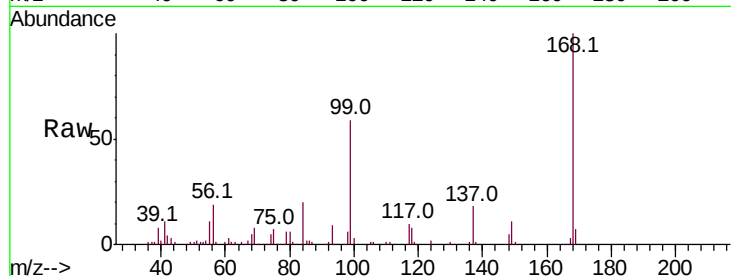
VD0824SBS01

Tot Ion:168 Resp: 204790

Ion Ratio Lower Upper

168 100

99 59.3 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

80000

60000

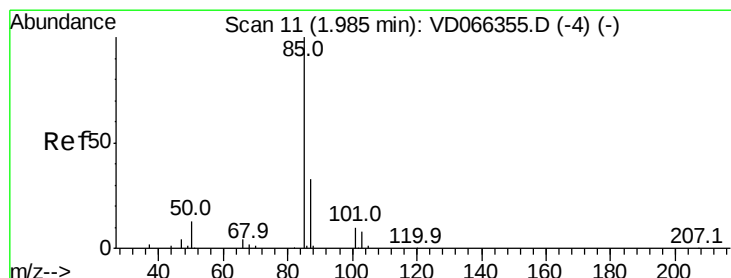
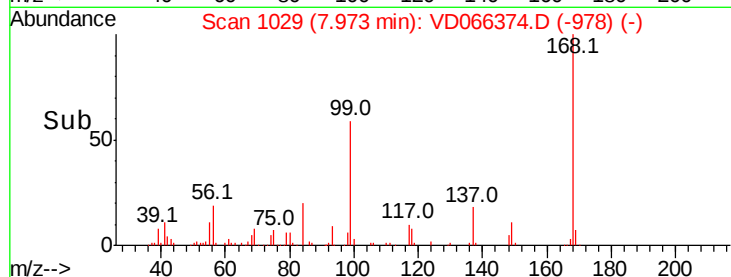
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.668 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066374.D

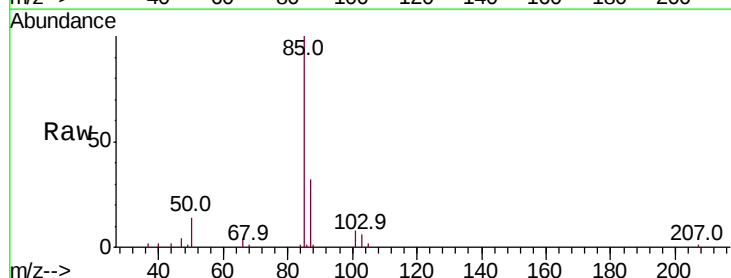
Acq: 24 Aug 2020 12:01

Tgt Ion: 85 Resp: 34242

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

25000

20000

15000

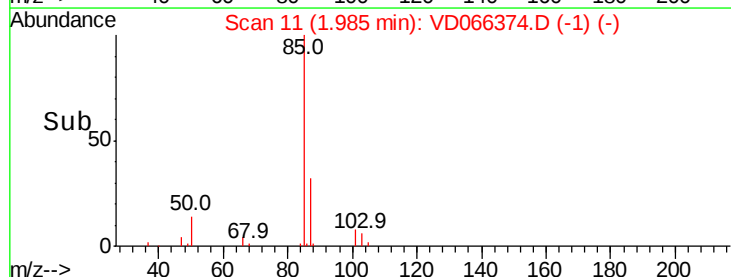
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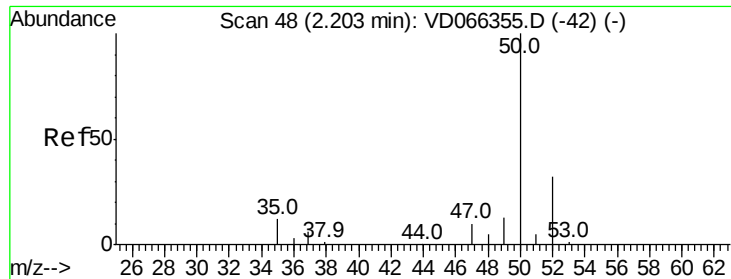
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.113 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

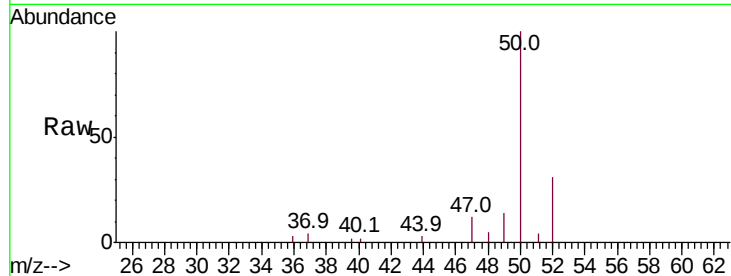
VD0824SBS01

Tot Ion: 50 Resp: 22353

Ion Ratio Lower Upper

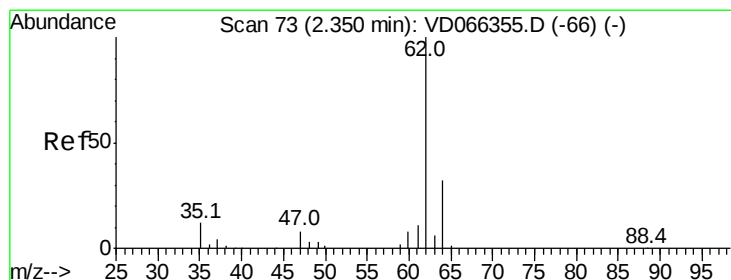
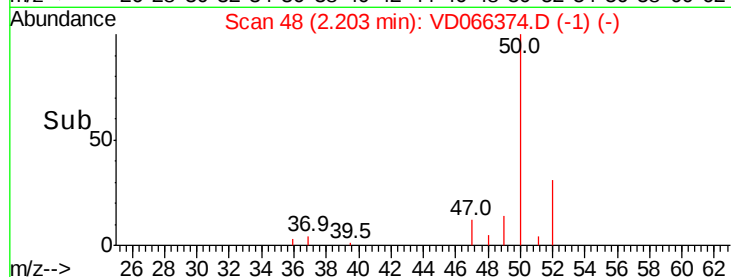
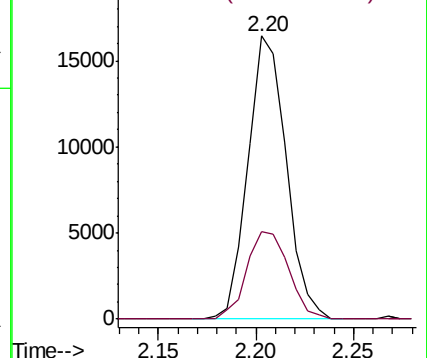
50 100

52 30.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.812 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066374.D

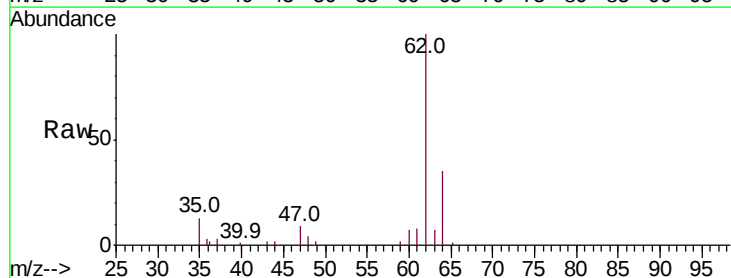
Acq: 24 Aug 2020 12:01

Tgt Ion: 62 Resp: 23601

Ion Ratio Lower Upper

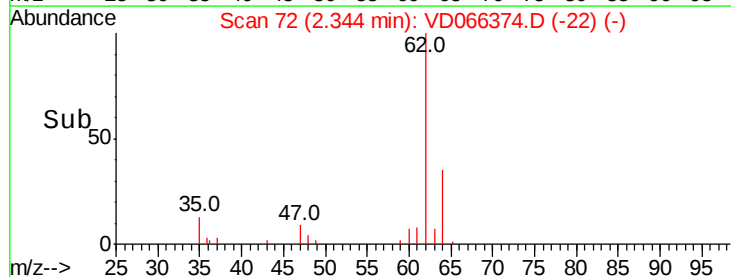
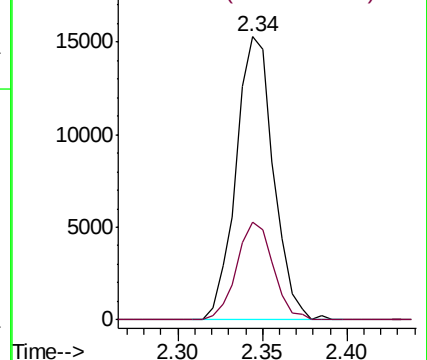
62 100

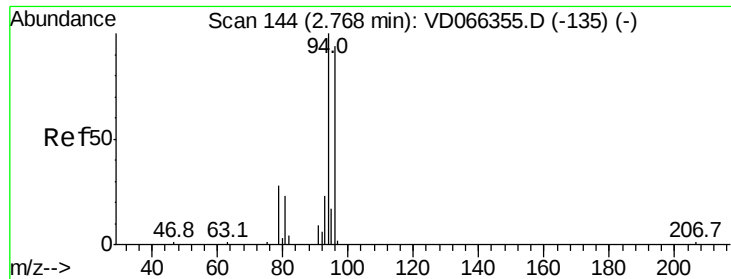
64 34.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.370 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

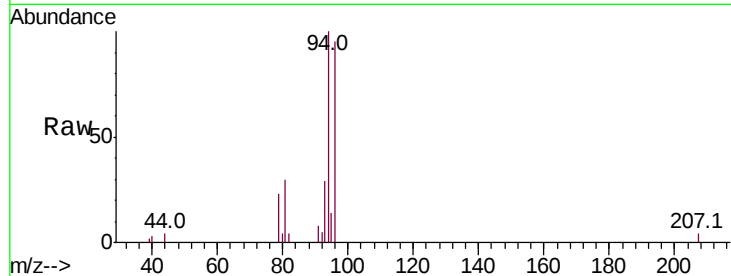
VD0824SBS01

Tot Ion: 94 Resp: 18206

Ion Ratio Lower Upper

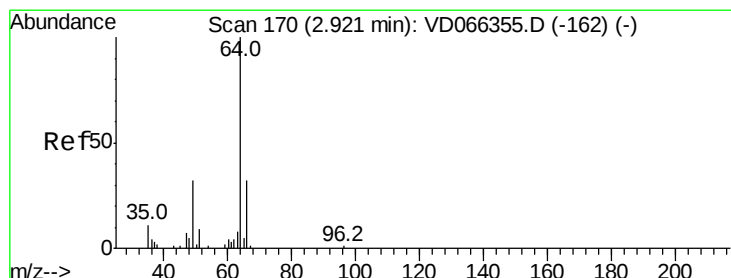
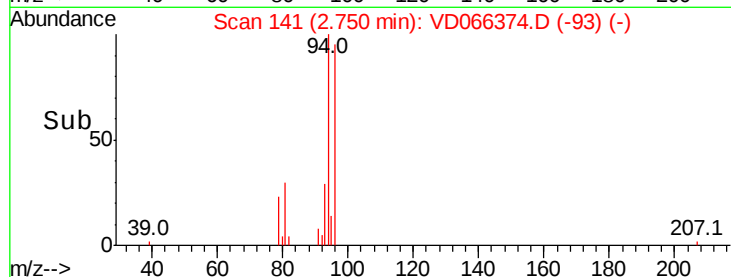
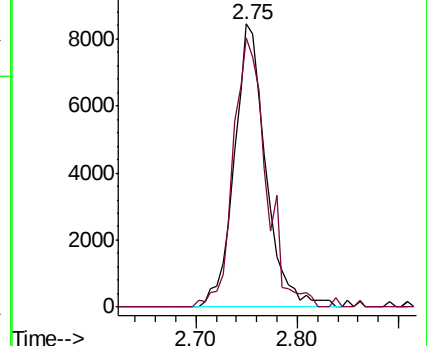
94 100

96 95.1 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.908 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066374.D

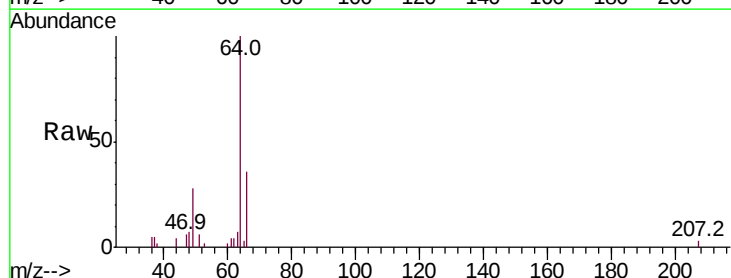
Acq: 24 Aug 2020 12:01

Tgt Ion: 64 Resp: 15194

Ion Ratio Lower Upper

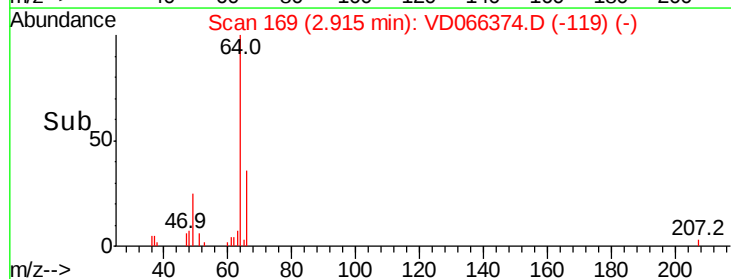
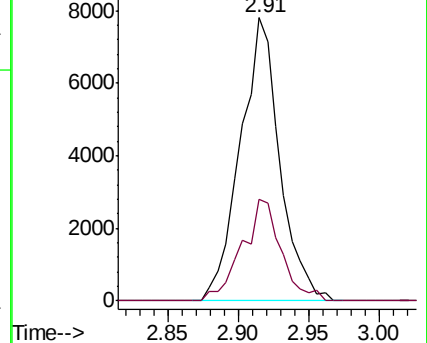
64 100

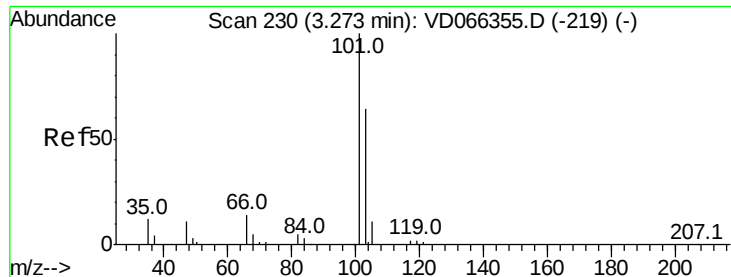
66 35.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



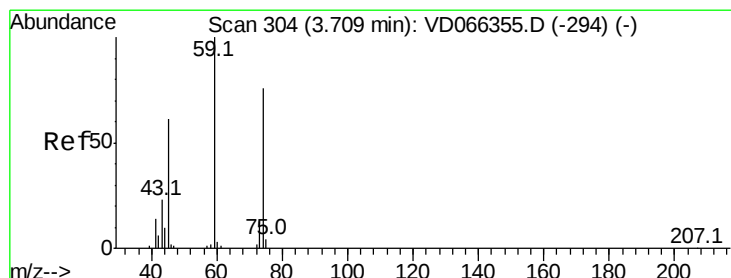
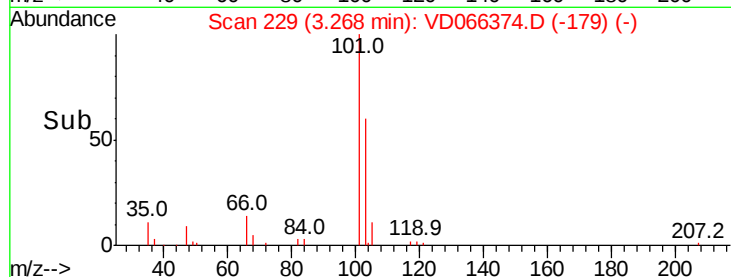
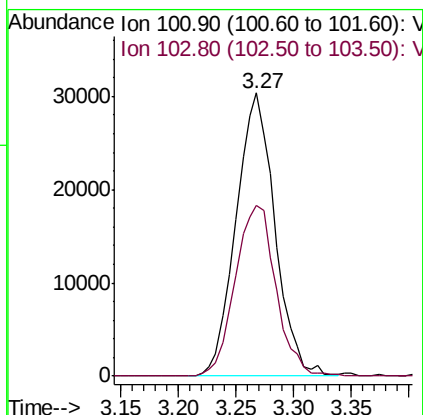
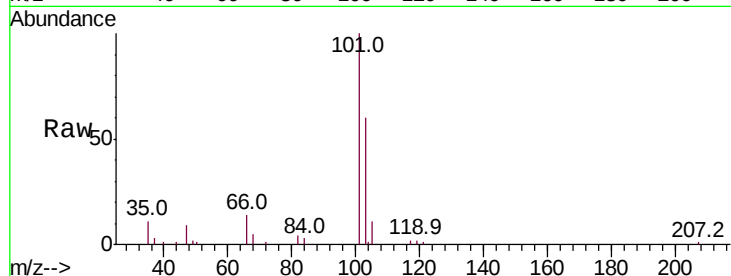


#7

Trichlorofluoromethane
 Concen: 19.702 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

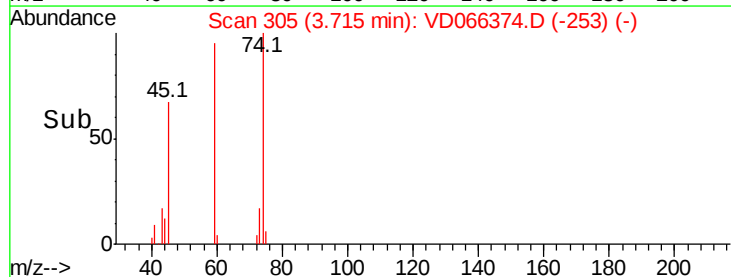
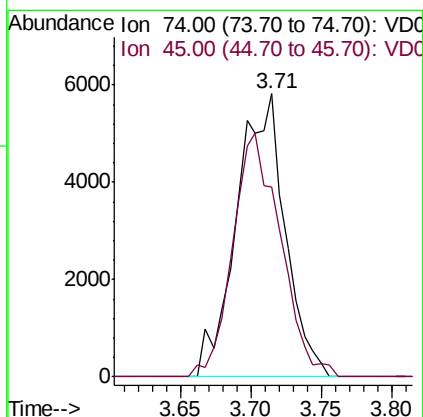
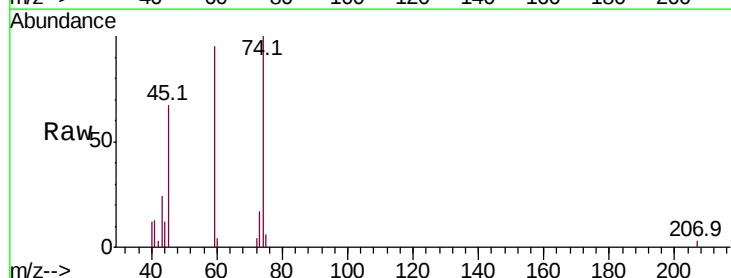
Tot Ion:101 Resp: 70988
 Ion Ratio Lower Upper
 101 100
 103 60.5 51.4 77.0

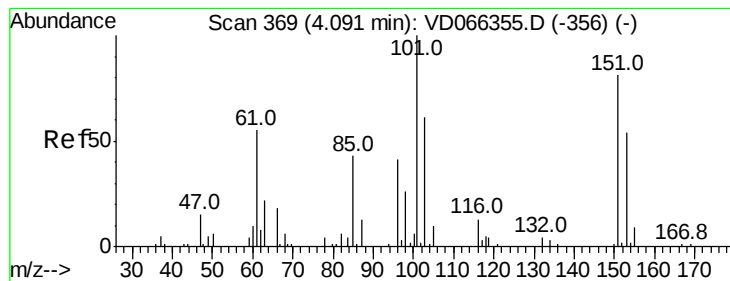


#8

Diethyl Ether
 Concen: 17.311 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

Tgt Ion: 74 Resp: 13975
 Ion Ratio Lower Upper
 74 100
 45 84.8 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.099 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

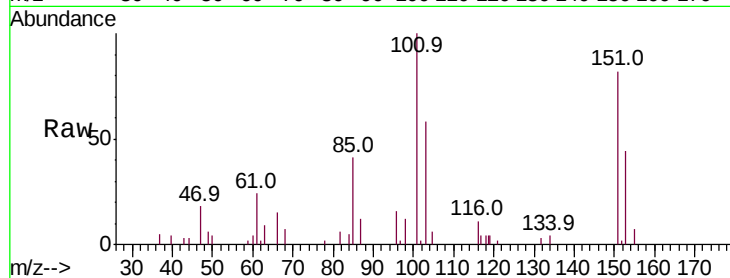
Tot Ion:101 Resp: 32182

Ion Ratio Lower Upper

101 100

85 46.1 36.4 54.6

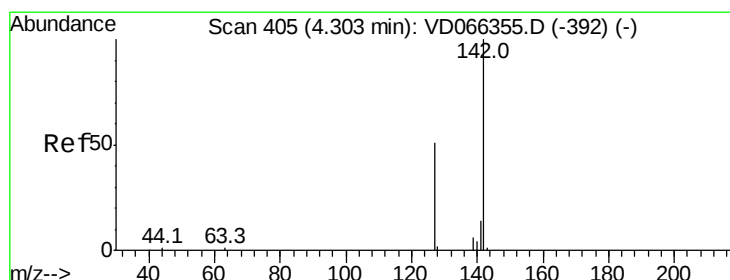
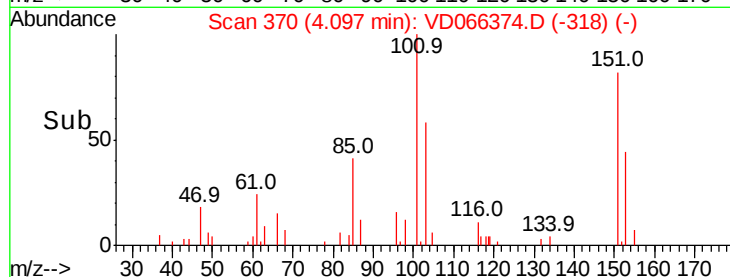
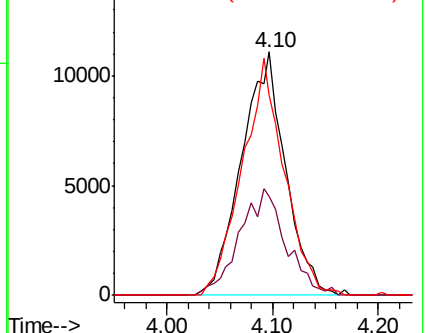
151 92.9 70.5 105.7



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: 13.420 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

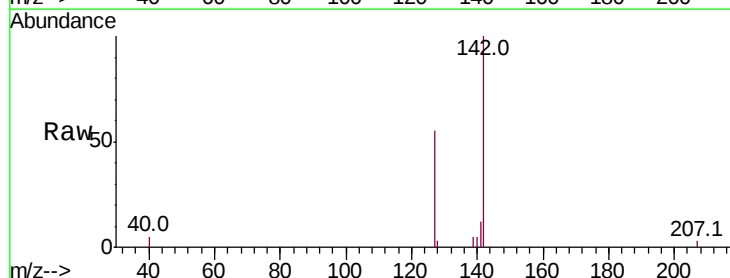
Tgt Ion:142 Resp: 27217

Ion Ratio Lower Upper

142 100

127 53.3 41.8 62.8

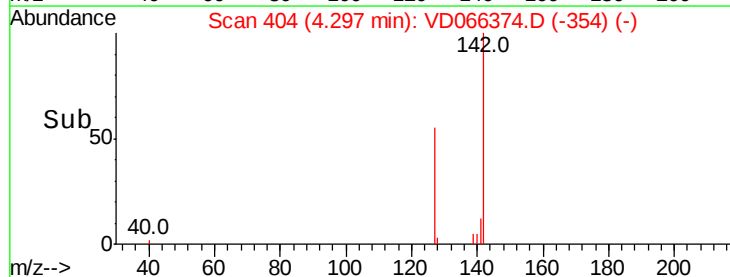
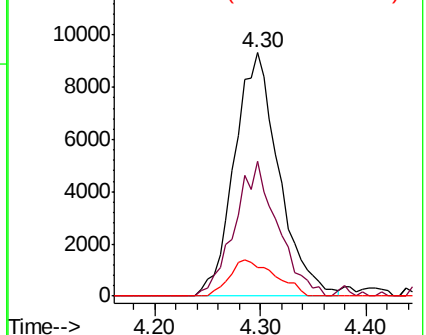
141 15.2 11.8 17.6

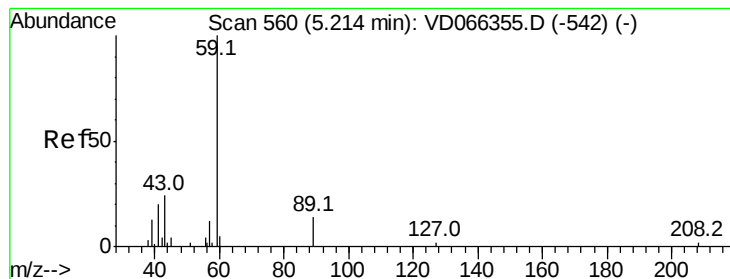


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 21.133 ug/l

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

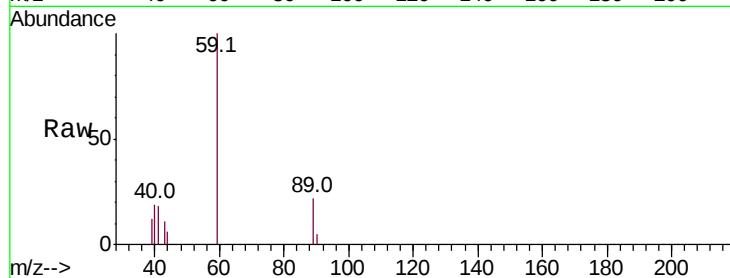
VD0824SBS01

Tot Ion: 59 Resp: 7058

Ion Ratio Lower Upper

59 100

57 6.9 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.23

4000

3000

2000

1000

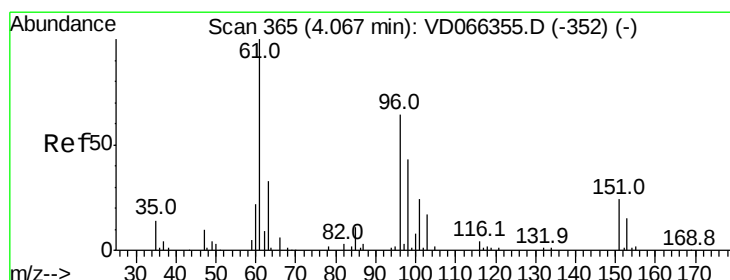
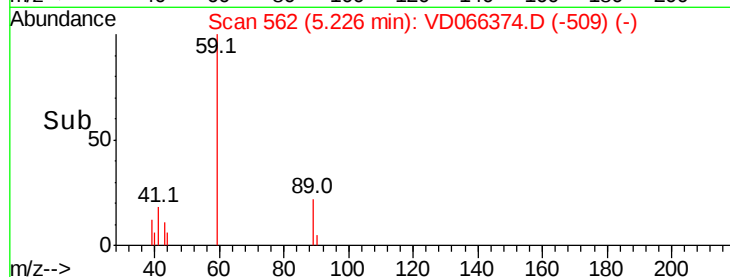
0

Time-->

5.20

5.25

5.30



#12

1,1-Dichloroethene

Concen: 17.713 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

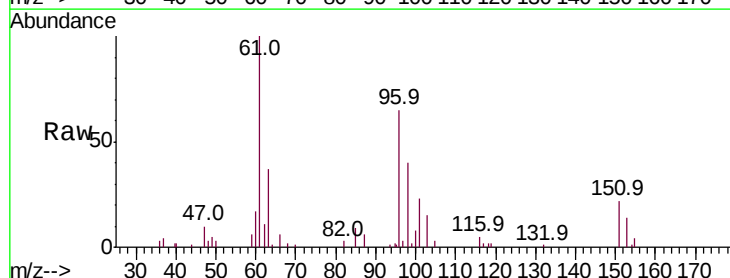
Tgt Ion: 96 Resp: 29565

Ion Ratio Lower Upper

96 100

61 154.8 124.3 186.5

98 61.8 53.2 79.8



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

20000

15000

10000

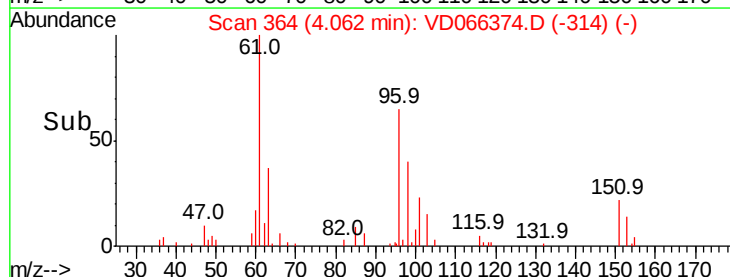
5000

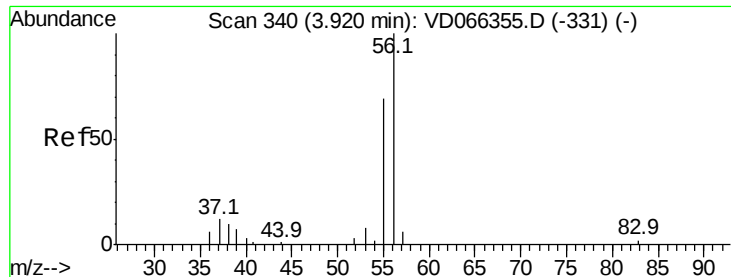
0

Time-->

4.00

4.10





#13

Acrolein

Concen: 79.960 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

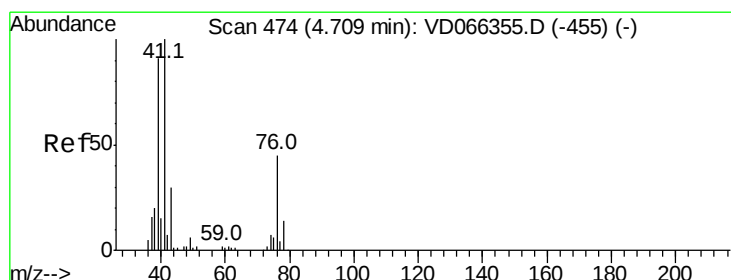
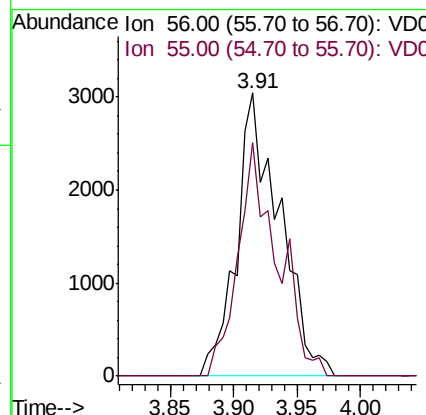
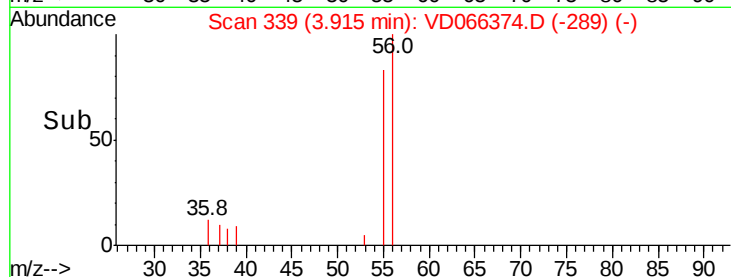
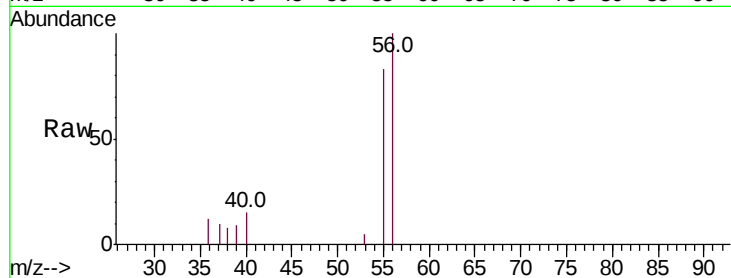
VD0824SBS01

Tot Ion: 56 Resp: 7129

Ion Ratio Lower Upper

56 100

55 75.7 55.5 83.3



#14

Allyl chloride

Concen: 15.851 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

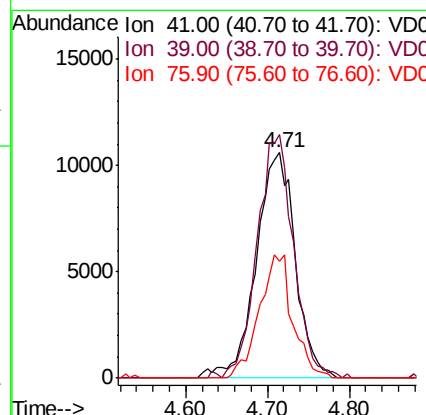
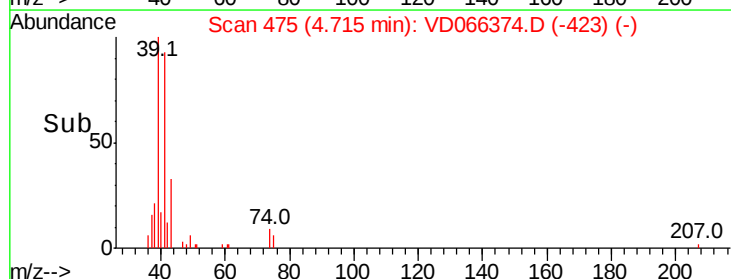
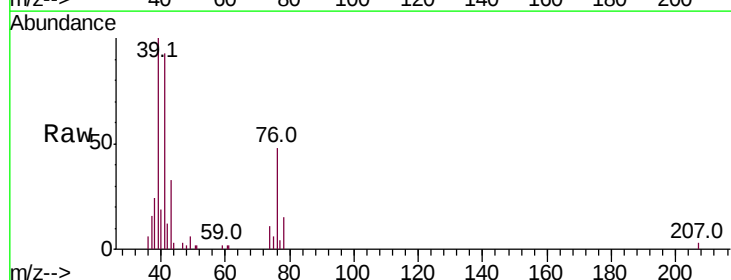
Tgt Ion: 41 Resp: 35314

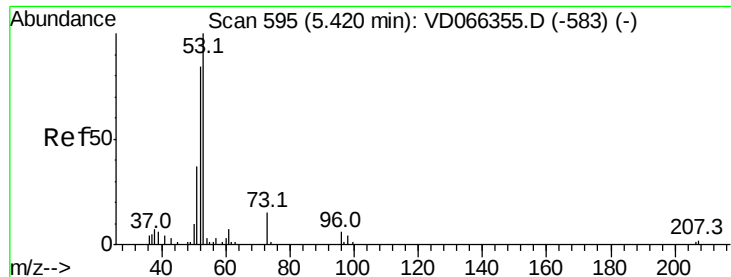
Ion Ratio Lower Upper

41 100

39 100.1 72.8 109.2

76 46.7 34.0 51.0





#15

Acrylonitrile

Concen: 84.044 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

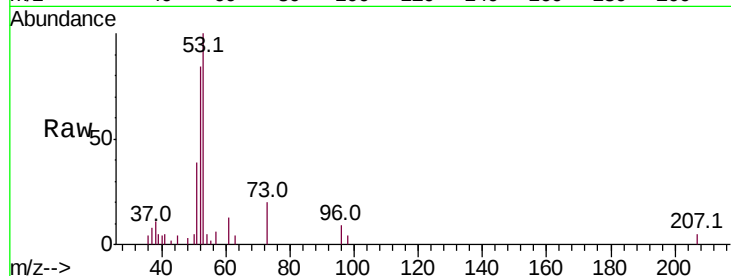
Tot Ion: 53 Resp: 27222

Ion Ratio Lower Upper

53 100

52 84.8 68.1 102.1

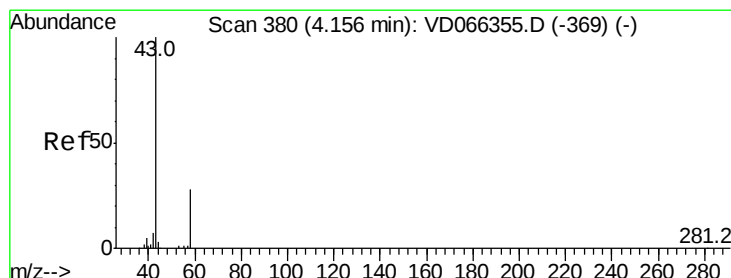
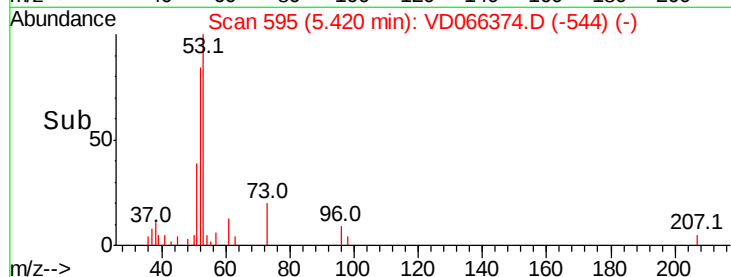
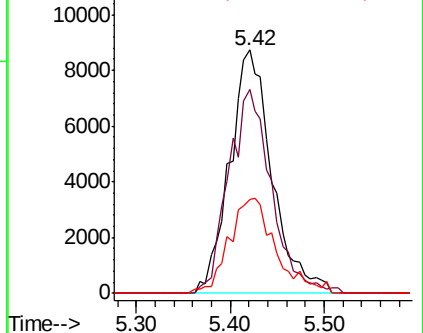
51 43.0 33.8 50.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 82.878 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066374.D

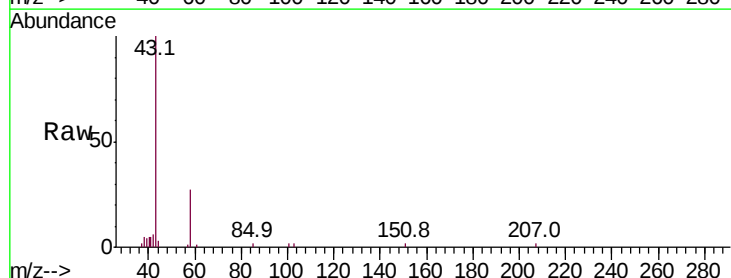
Acq: 24 Aug 2020 12:01

Tgt Ion: 43 Resp: 29999

Ion Ratio Lower Upper

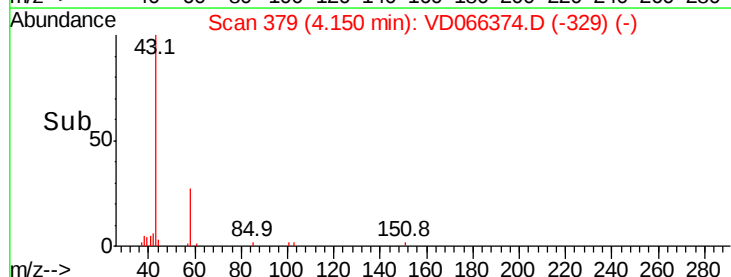
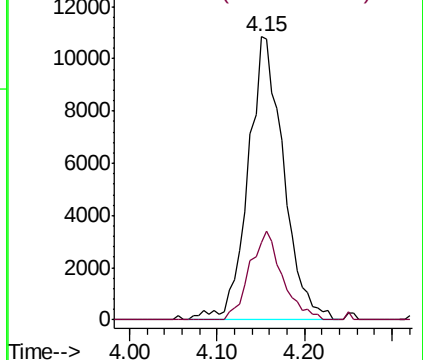
43 100

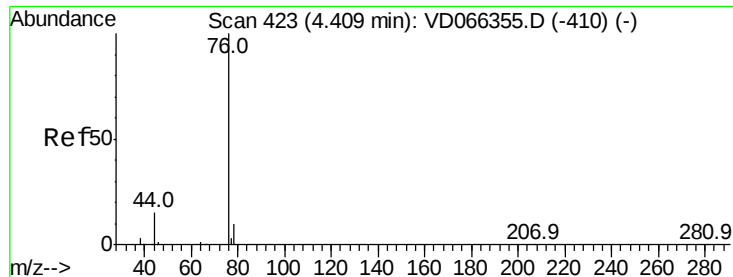
58 27.4 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 17.001 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

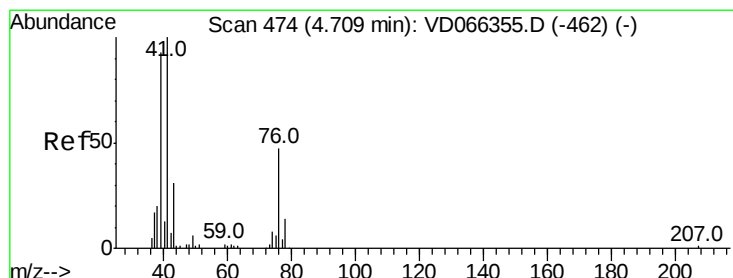
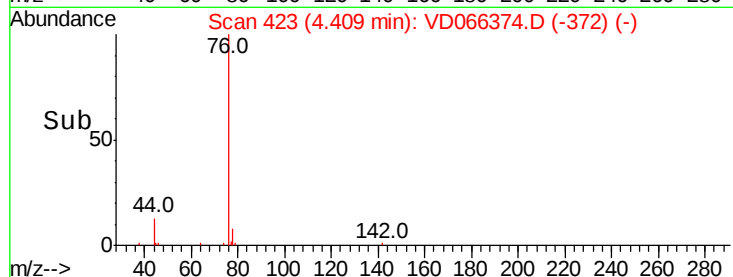
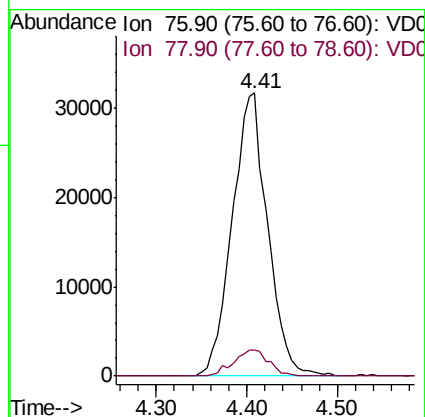
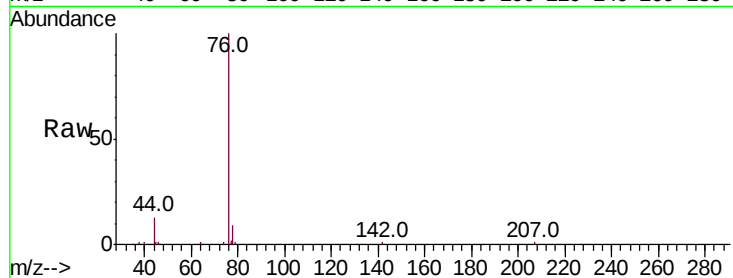
VD0824SBS01

Tot Ion: 76 Resp: 85997

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5



#18

Methyl Acetate

Concen: 16.804 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066374.D

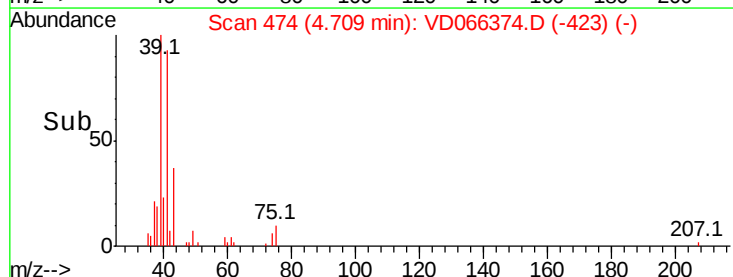
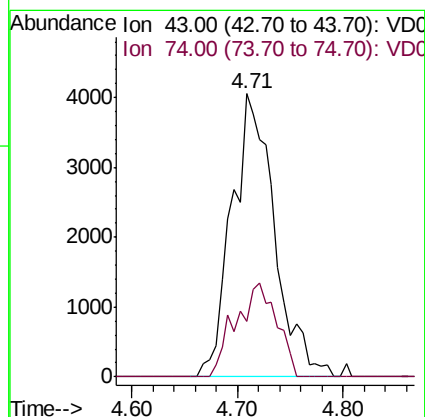
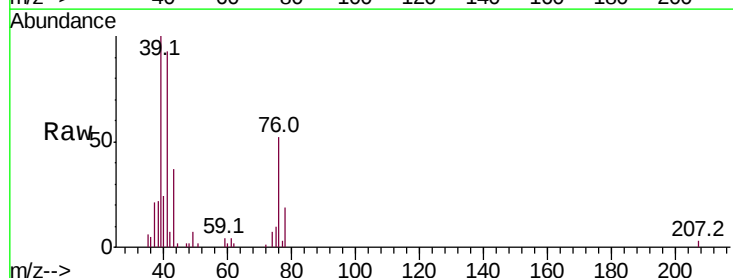
Acq: 24 Aug 2020 12:01

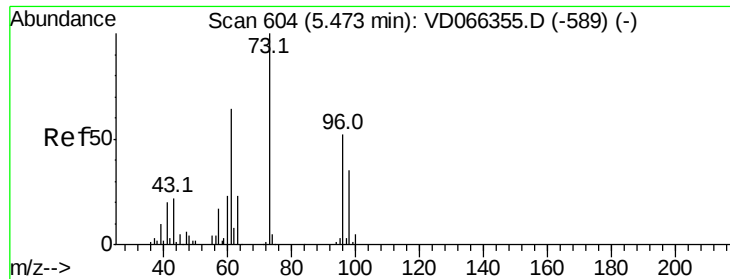
Tgt Ion: 43 Resp: 11416

Ion Ratio Lower Upper

43 100

74 31.8 21.0 31.6#

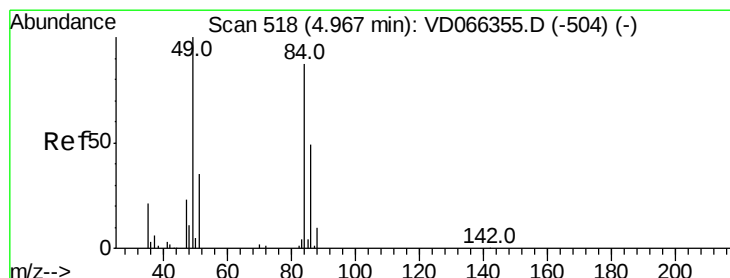
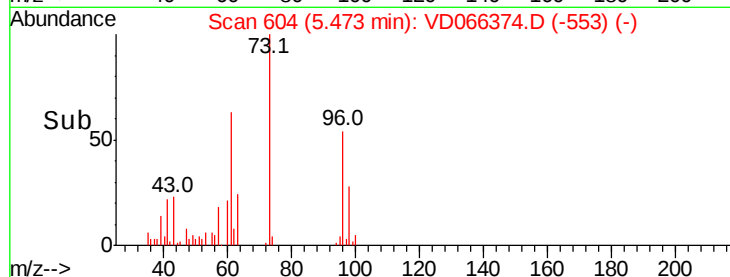
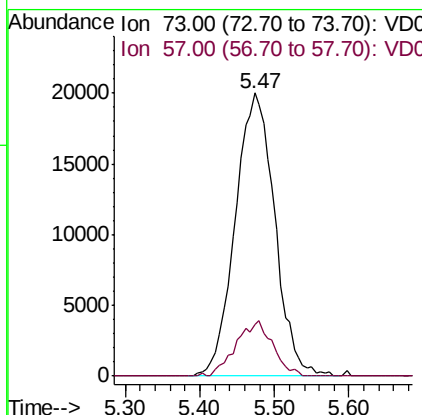
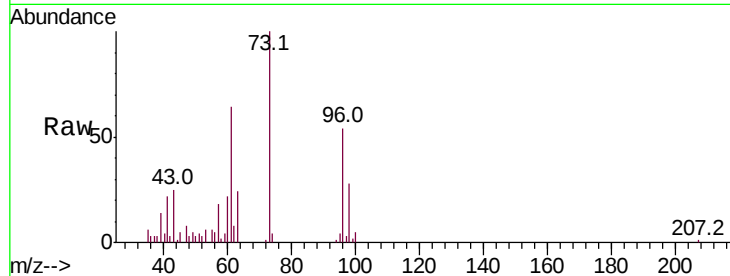




#19
Methvl tert-butvl Ether
Concen: 18.282 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

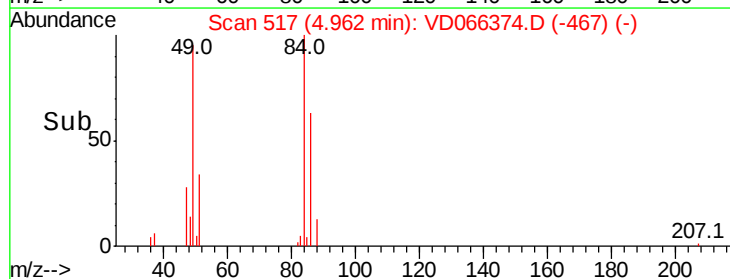
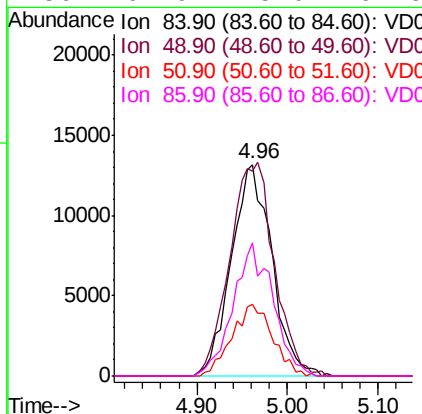
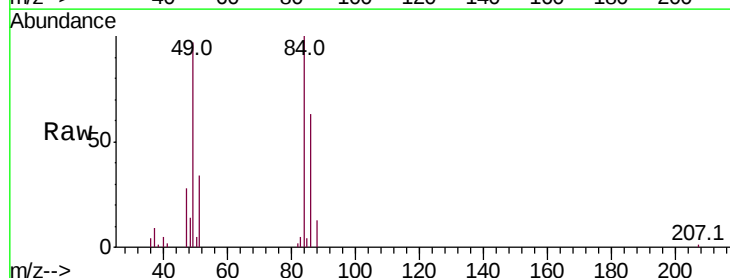
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

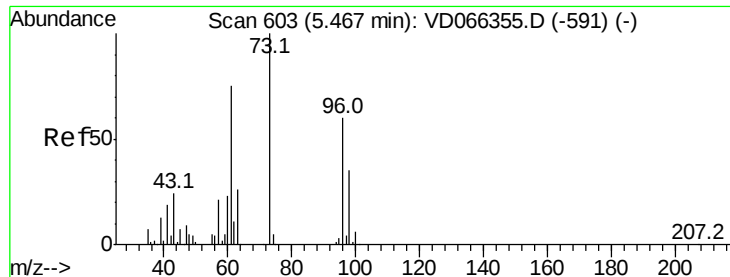
Tot Ion: 73 Resp: 73477
Ion Ratio Lower Upper
73 100
57 18.4 13.8 20.6



#20
Methylene Chloride
Concen: 16.970 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

Tgt Ion: 84 Resp: 40915
Ion Ratio Lower Upper
84 100
49 96.7 92.5 138.7
51 33.6 32.5 48.7
86 62.9 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 17.545 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

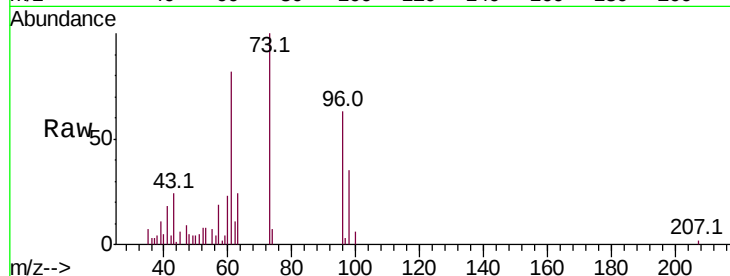
Tot Ion: 96 Resp: 34089

Ion Ratio Lower Upper

96 100

61 129.7 101.1 151.7

98 55.9 47.0 70.6

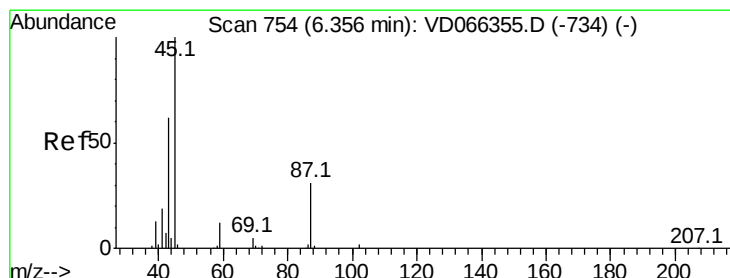
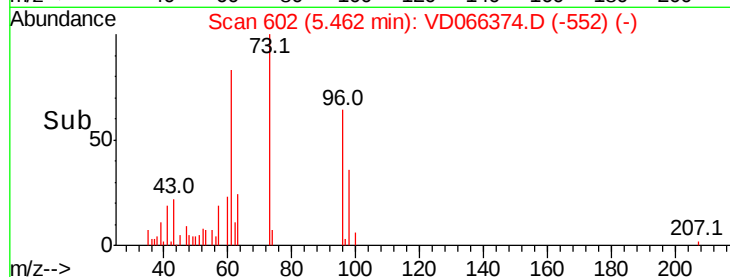
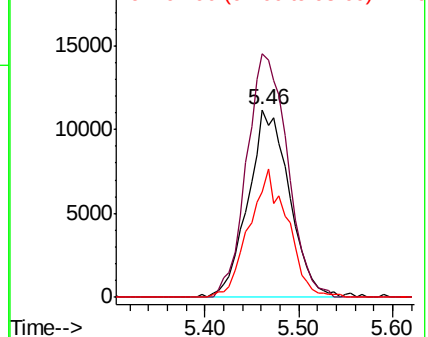


Abundance

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: 17.517 ug/l

RT: 6.36 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Tgt Ion: 45 Resp: 75555

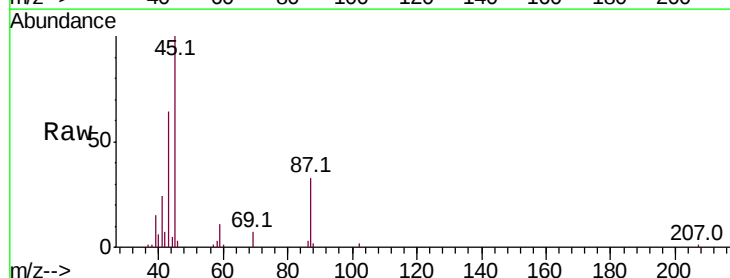
Ion Ratio Lower Upper

45 100

43 63.3 49.8 74.8

87 32.7 25.0 37.6

59 11.4 9.6 14.4



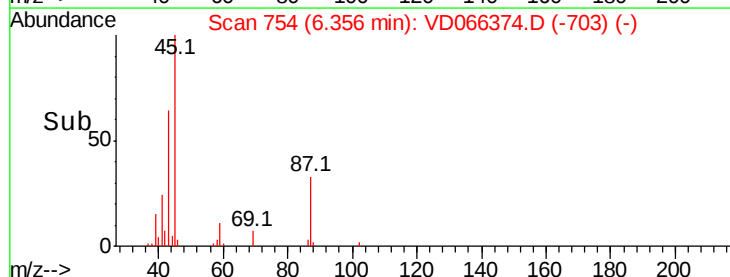
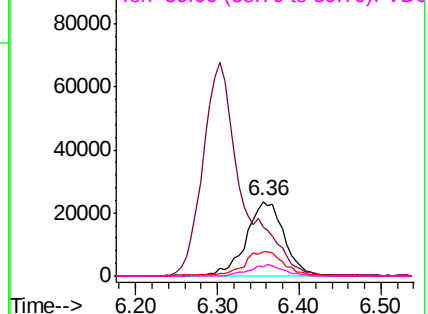
Abundance

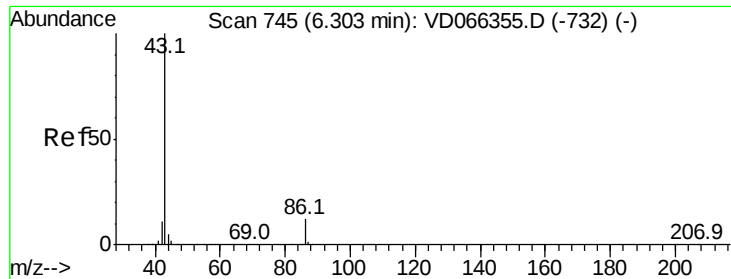
Ion 45.00 (44.70 to 45.70): VDC

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

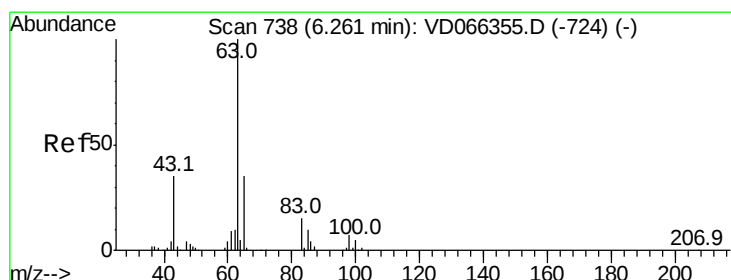
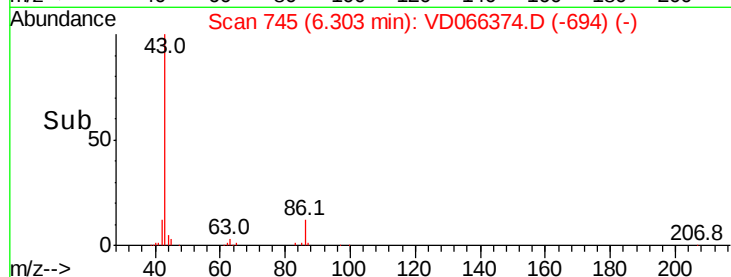
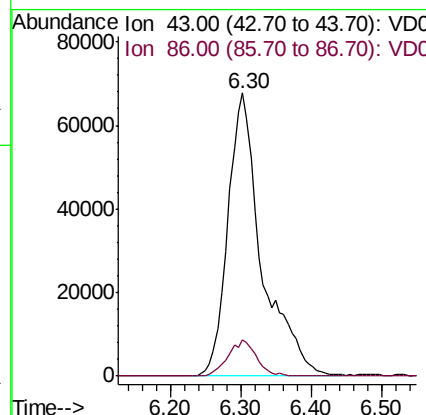
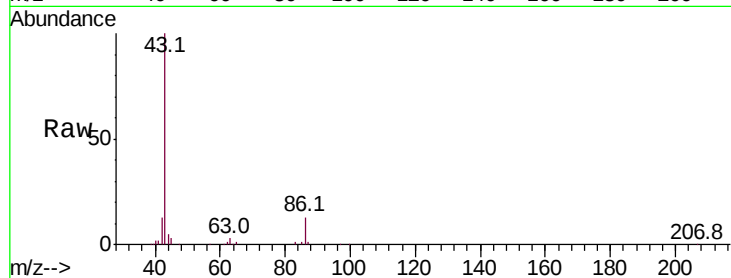




#23
 Vinyl Acetate
 Concen: 84.683 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

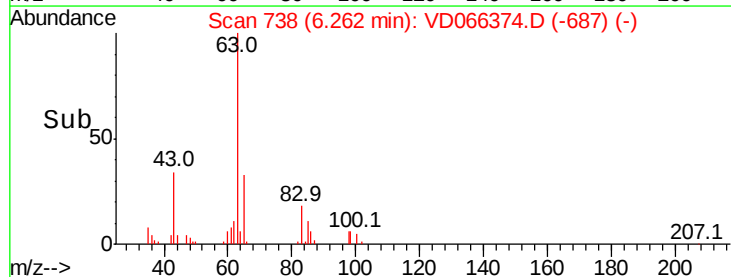
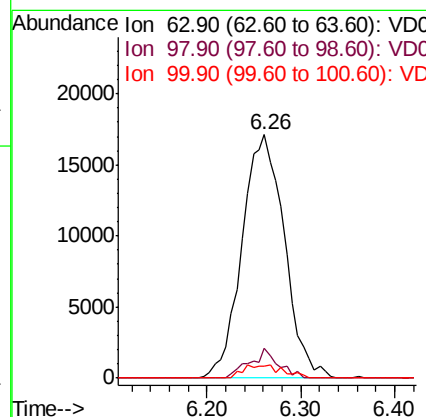
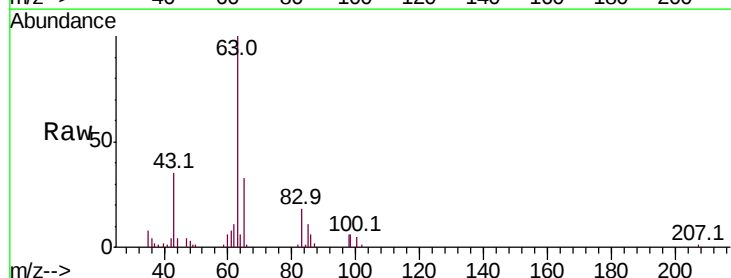
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

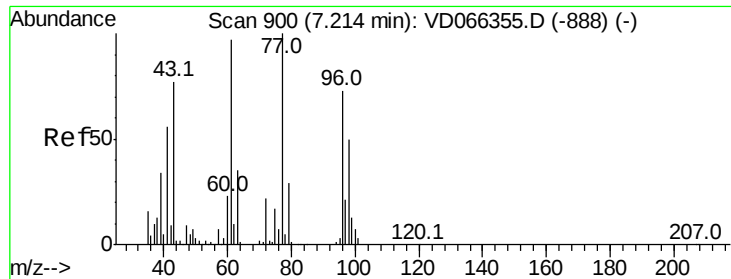
Tot Ion: 43 Resp: 226124
 Ion Ratio Lower Upper
 43 100
 86 12.8 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 17.541 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

Tgt Ion: 63 Resp: 53468
 Ion Ratio Lower Upper
 63 100
 98 12.0 3.5 10.6#
 100 4.9 2.5 7.6

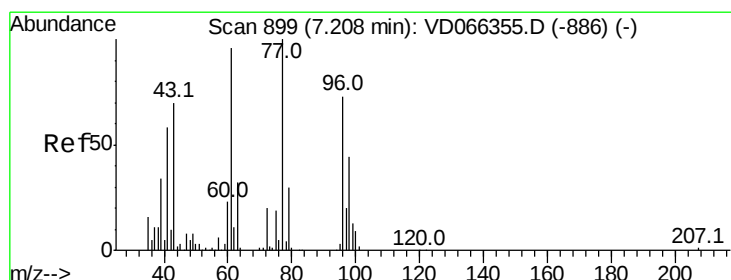
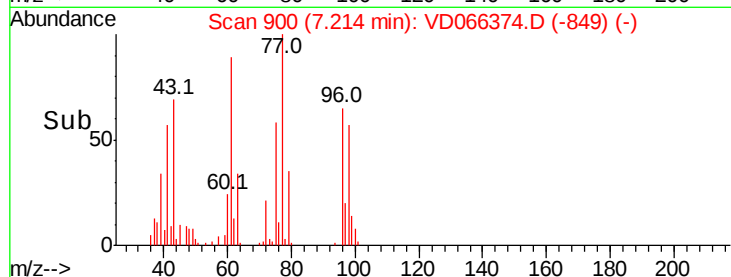
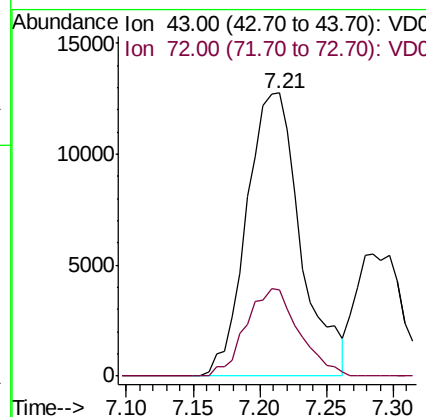
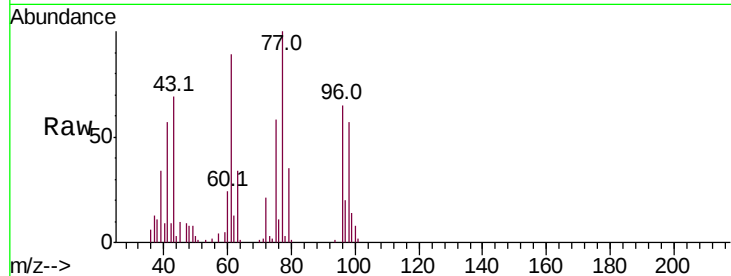




#25
2-Butanone
Concen: 87.224 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

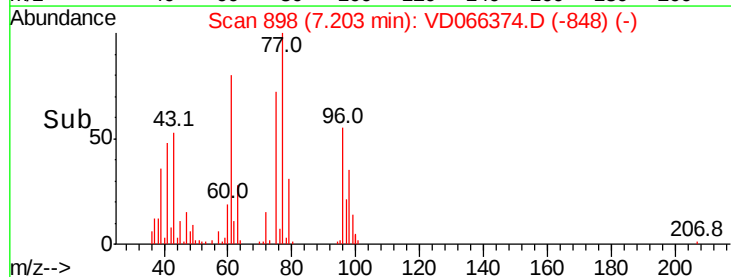
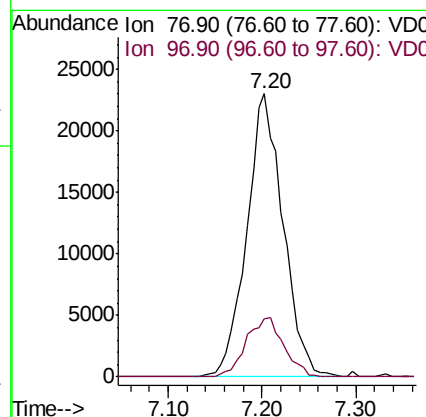
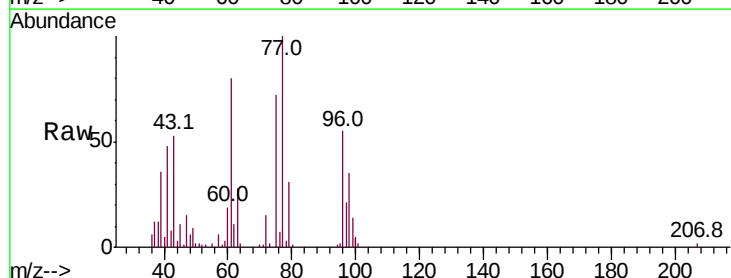
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

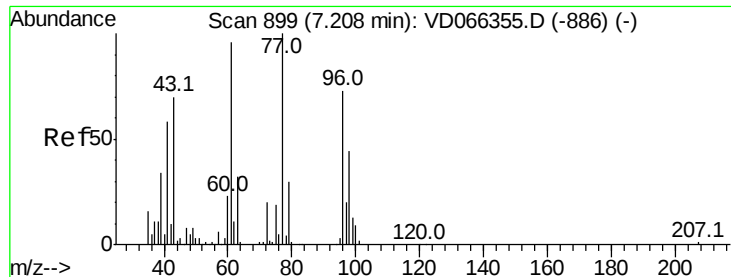
Tot Ion: 43 Resp: 35842
Ion Ratio Lower Upper
43 100
72 30.6 22.5 33.7



#26
2,2-Dichloropropane
Concen: 18.897 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

Tgt Ion: 77 Resp: 61738
Ion Ratio Lower Upper
77 100
97 21.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 17.893 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

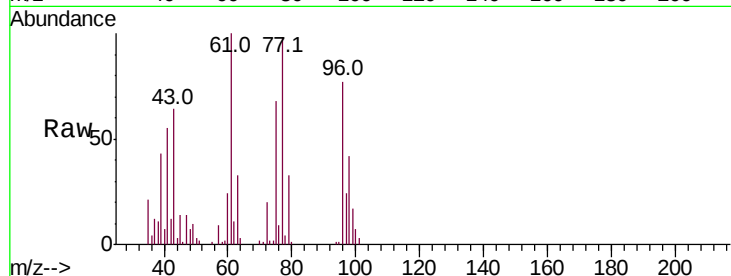
Tot Ion: 96 Resp: 37250

Ion Ratio Lower Upper

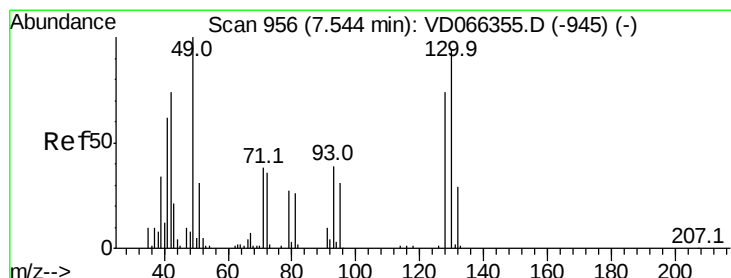
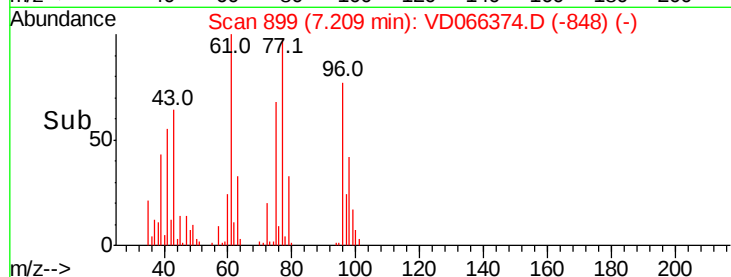
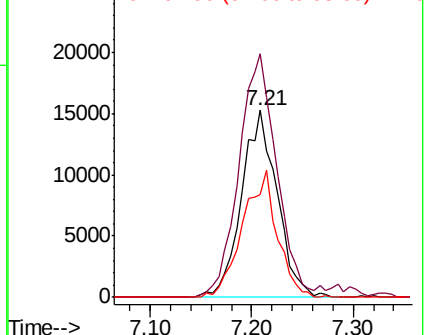
96 100

61 138.0 0.0 281.4

98 65.7 0.0 132.2



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



#28

Bromochloromethane

Concen: 16.912 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

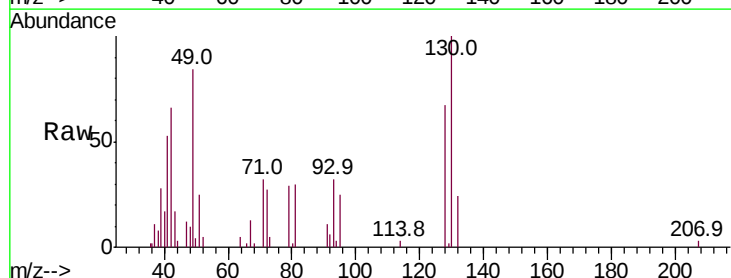
Tgt Ion: 49 Resp: 17757

Ion Ratio Lower Upper

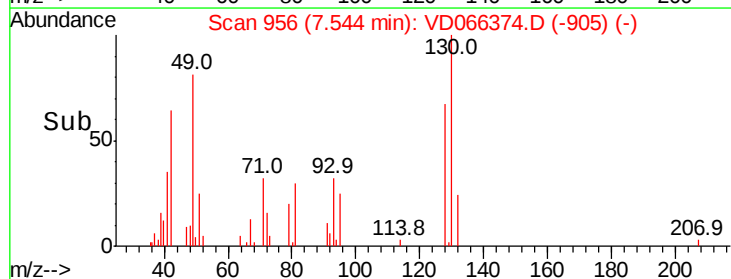
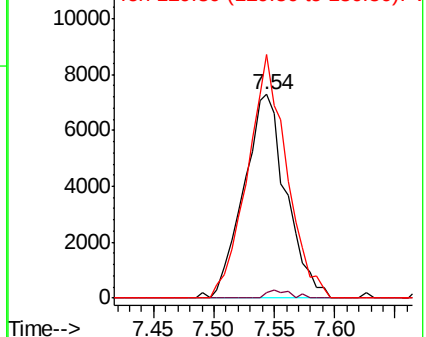
49 100

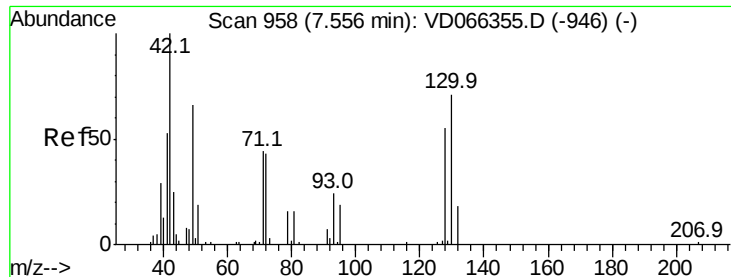
129 2.2 0.0 3.0

130 110.5 82.6 124.0



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: 85.494 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

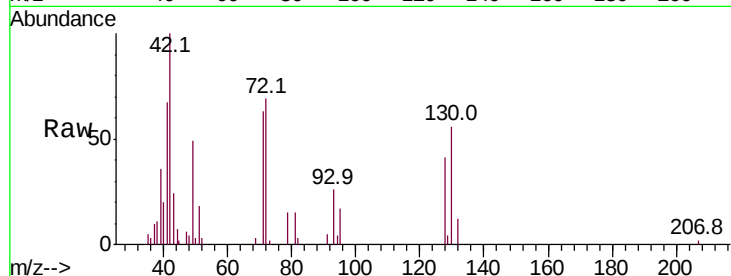
Tot Ion: 42 Resp: 19954

Ion Ratio Lower Upper

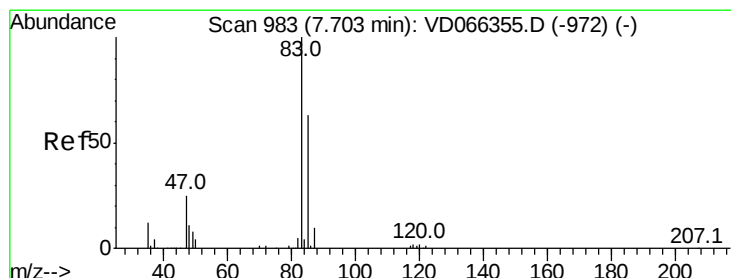
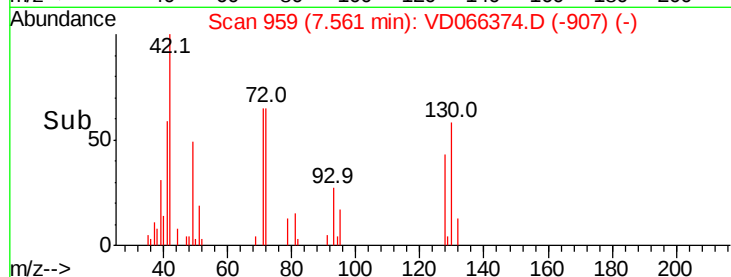
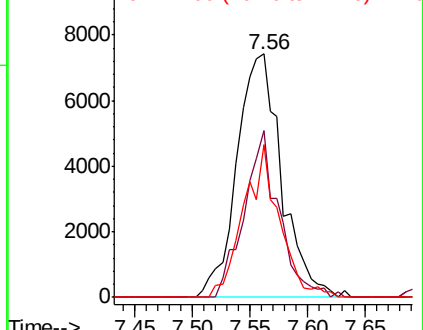
42 100

72 53.5 41.0 61.4

71 50.1 37.2 55.8



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: 18.366 ug/l

RT: 7.70 min Scan# 983

Delta R.T. 0.00 min

Lab File: VD066374.D

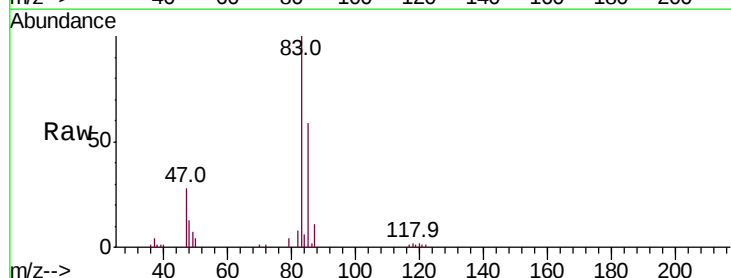
Acq: 24 Aug 2020 12:01

Tgt Ion: 83 Resp: 64770

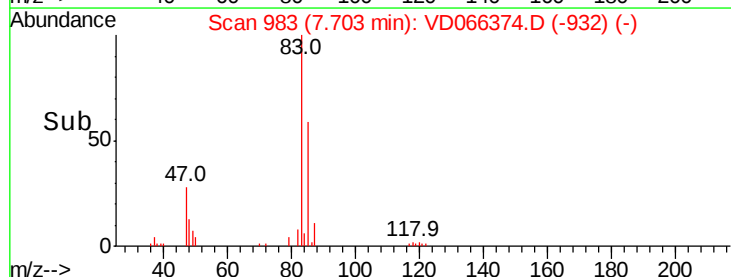
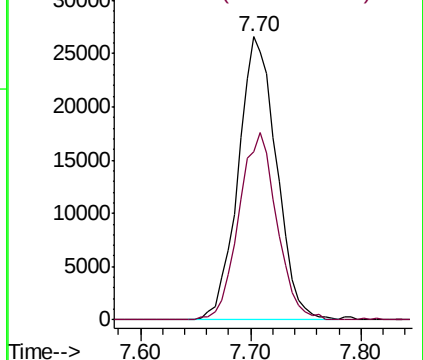
Ion Ratio Lower Upper

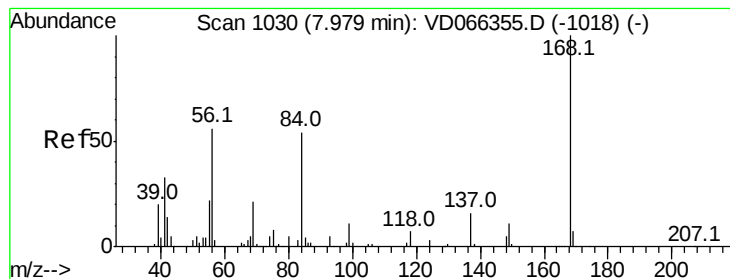
83 100

85 59.2 50.3 75.5



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





#31

Cyclohexane

Concen: 16.857 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

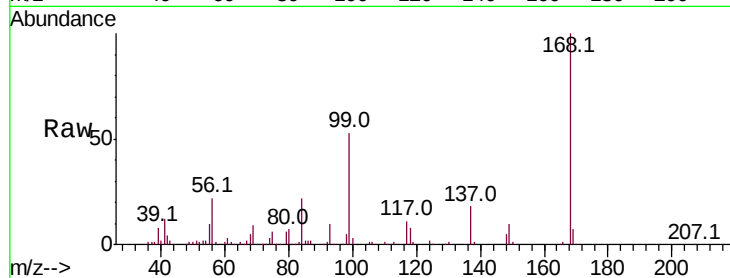
Tot Ion: 56 Resp: 46993

Ion Ratio Lower Upper

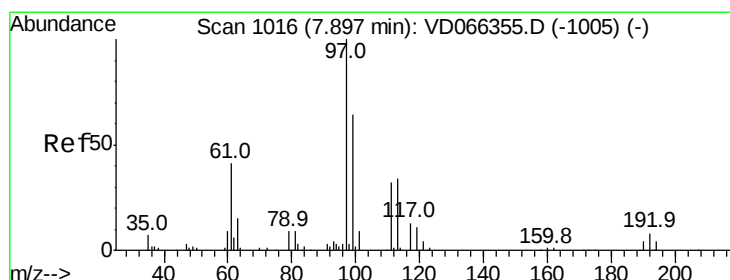
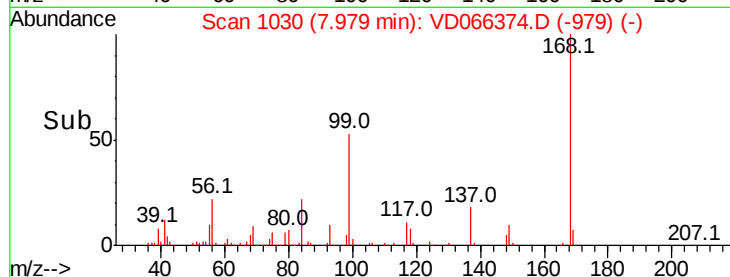
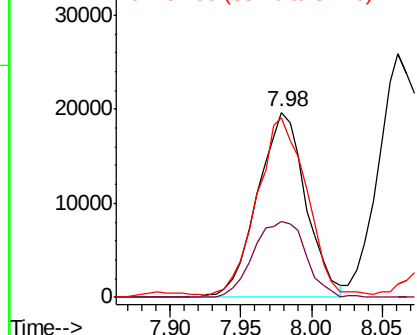
56 100

69 41.1 29.6 44.4

84 95.1 76.6 115.0



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



#32

1,1,1-Trichloroethane

Concen: 19.307 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

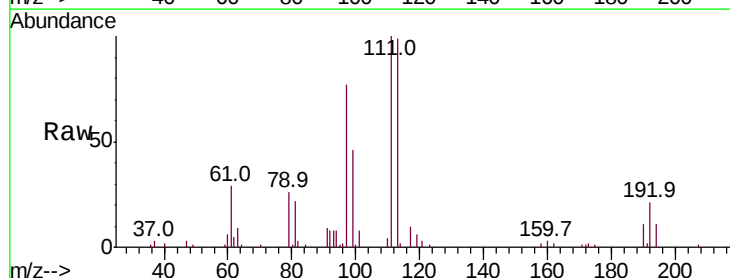
Tgt Ion: 97 Resp: 69688

Ion Ratio Lower Upper

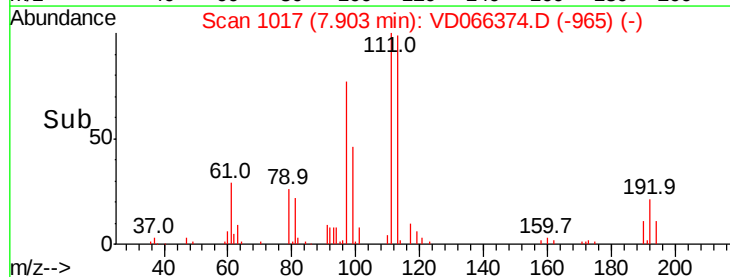
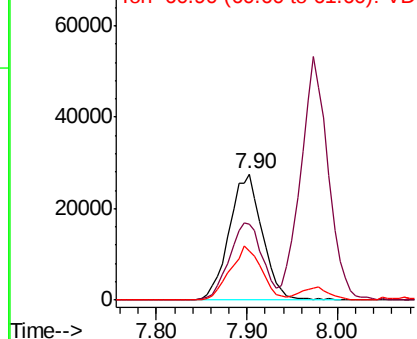
97 100

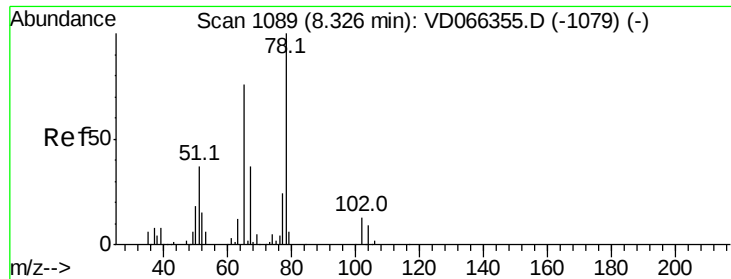
99 61.1 51.5 77.3

61 40.8 33.3 49.9



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: 54.236 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

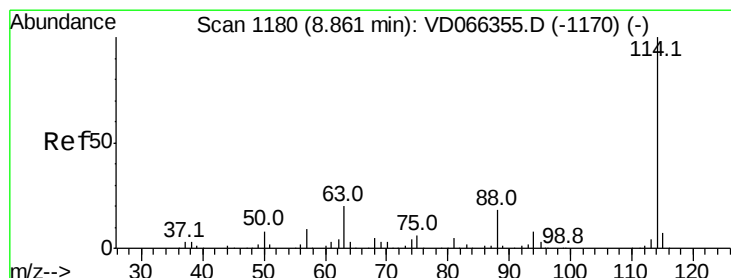
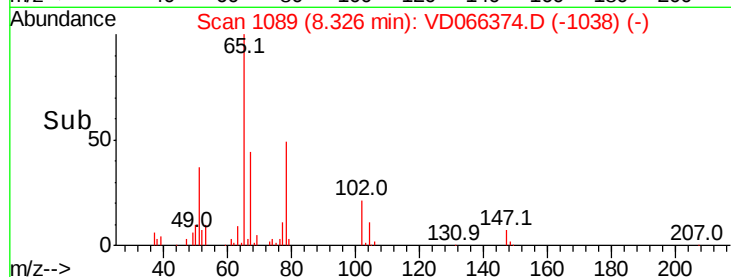
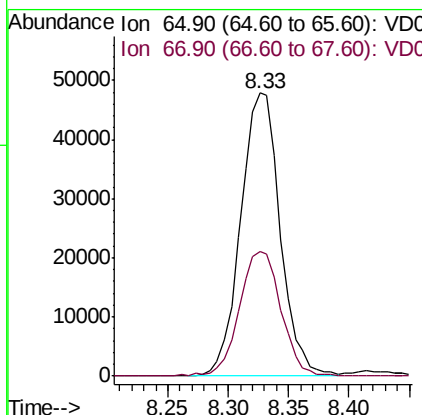
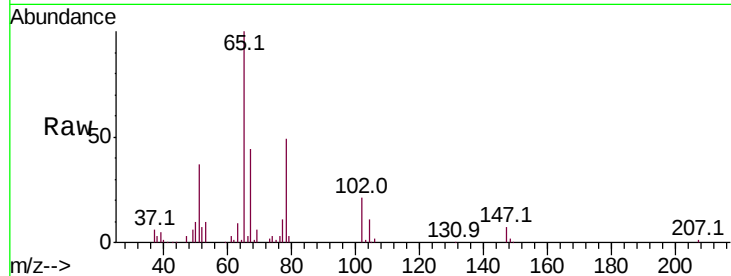
Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion: 65 Resp: 108893

Ion	Ratio	Lower	Upper
65	100		
67	46.4	0.0	101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

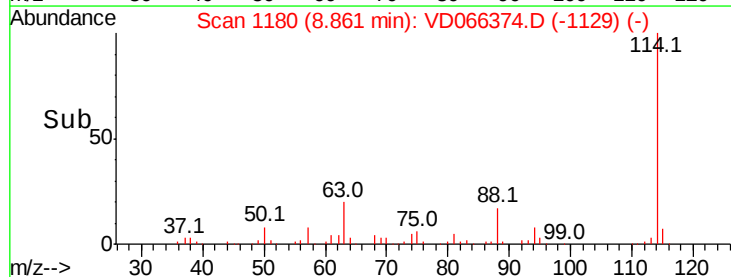
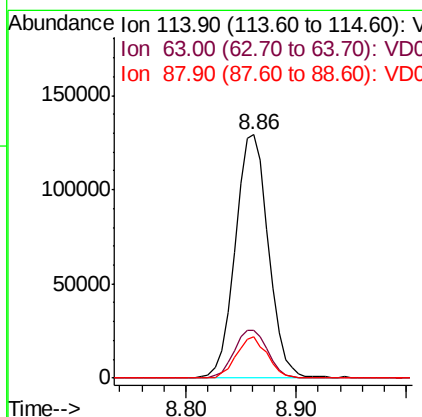
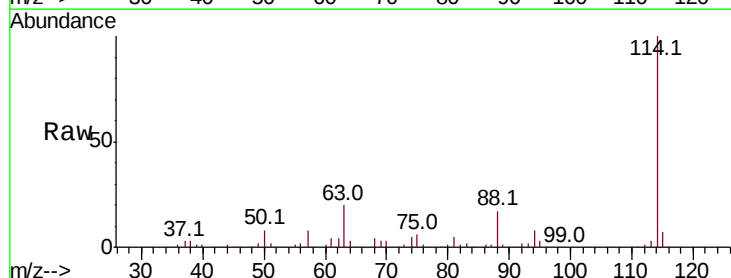
Delta R.T. 0.00 min

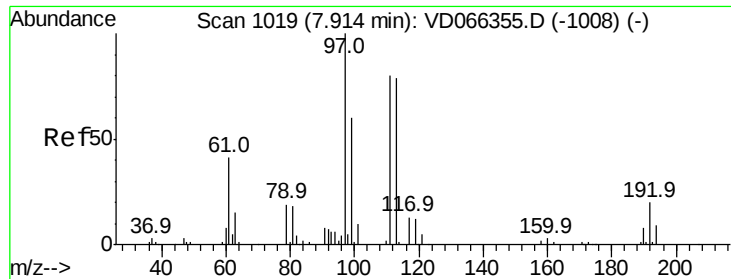
Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Tgt Ion: 114 Resp: 273010

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.8
88	17.2	0.0	35.4

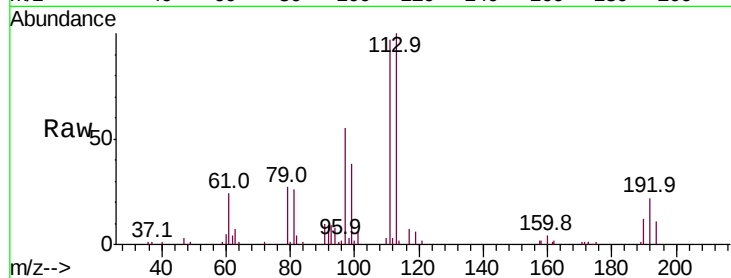




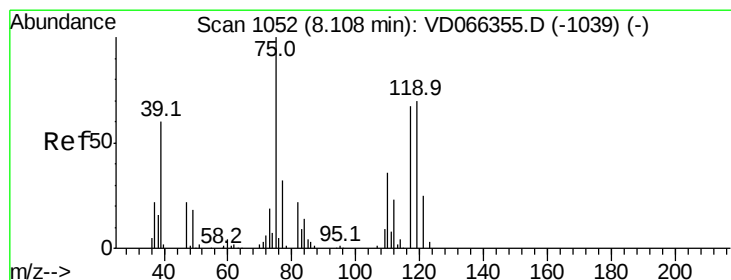
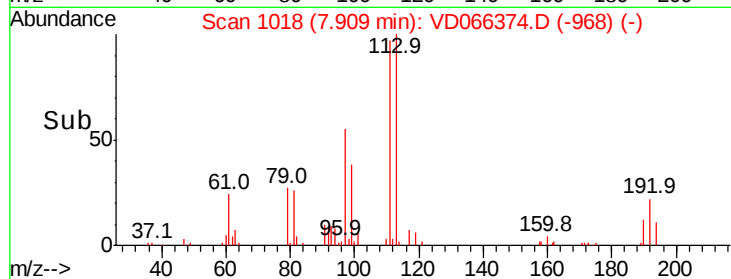
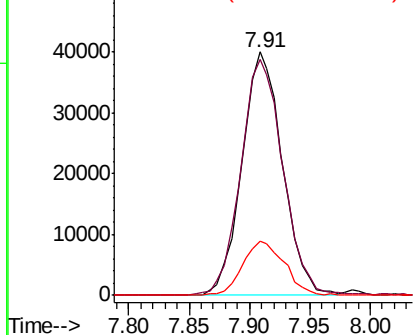
#35
 Dibromofluoromethane
 Concen: 54.991 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion:113 Resp: 93878
 Ion Ratio Lower Upper
 113 100
 111 101.0 80.3 120.5
 192 22.8 19.0 28.6

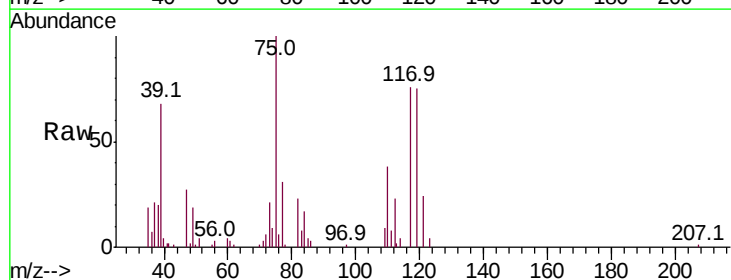


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

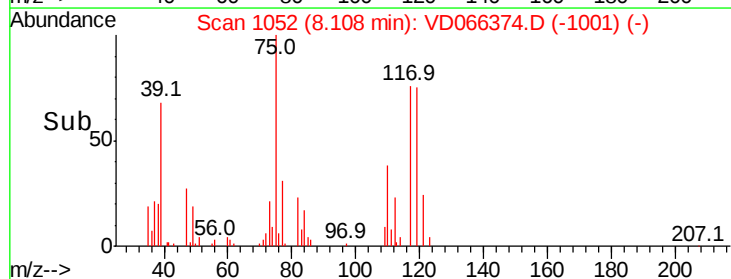
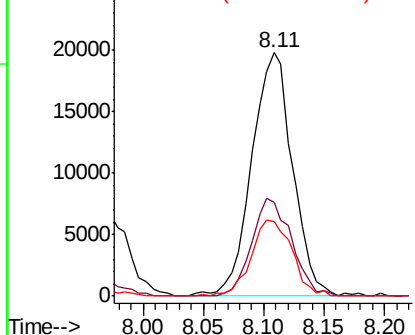


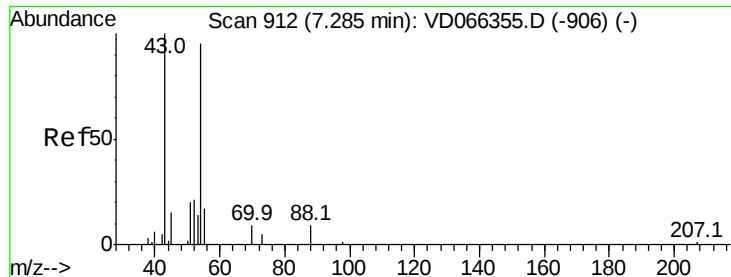
#36
 1,1-Dichloropropene
 Concen: 18.614 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

Tgt Ion: 75 Resp: 46368
 Ion Ratio Lower Upper
 75 100
 110 39.1 18.7 56.1
 77 31.4 25.2 37.8



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

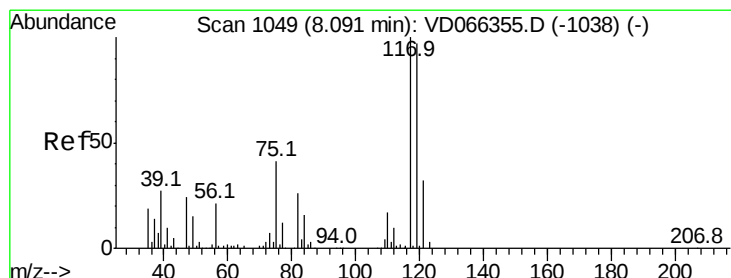
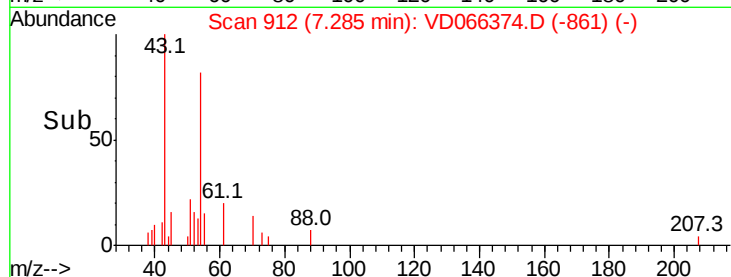
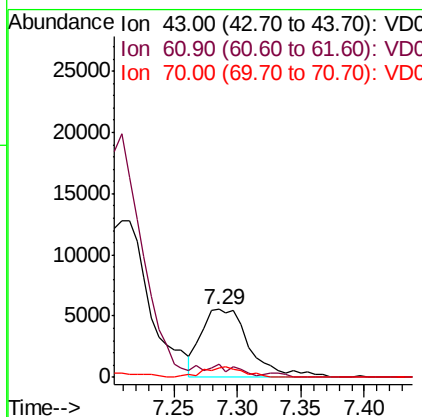
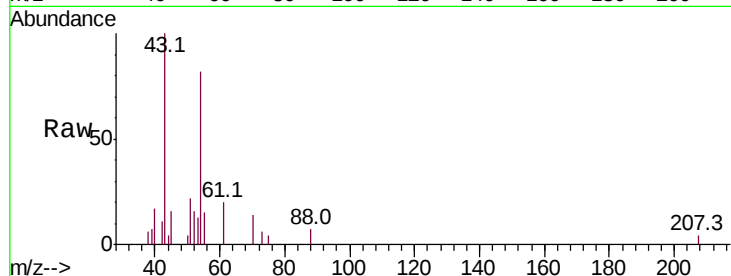




#37
Ethyl Acetate
Concen: 17.293 ug/l
RT: 7.29 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

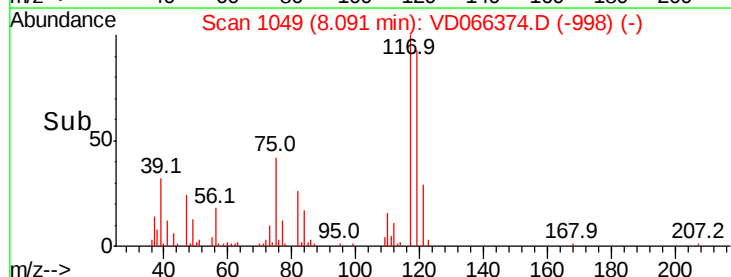
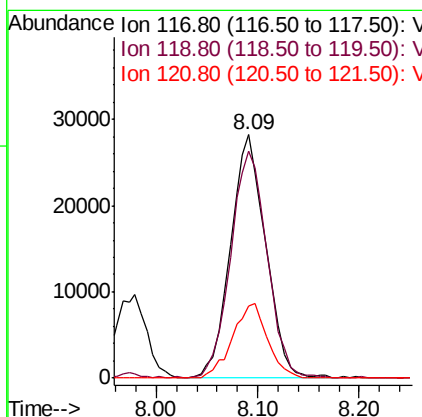
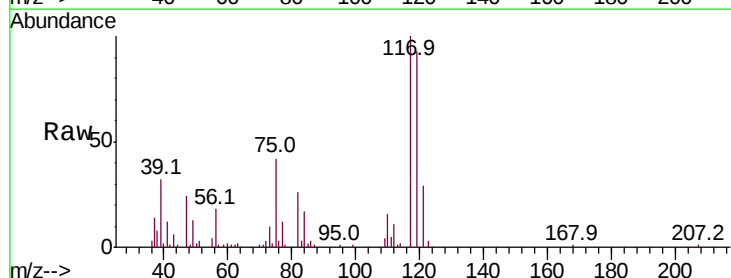
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

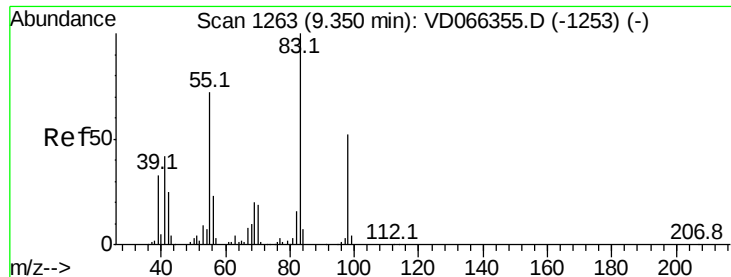
Tot Ion: 43 Resp: 14651
Ion Ratio Lower Upper
43 100
61 0.0 13.3 19.9#
70 13.1 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 20.863 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

Tgt Ion: 117 Resp: 67708
Ion Ratio Lower Upper
117 100
119 93.1 77.2 115.8
121 29.4 25.8 38.8

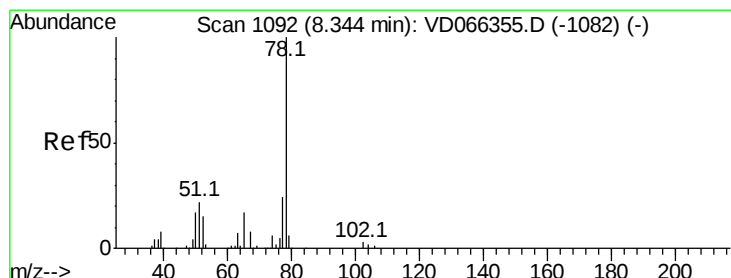
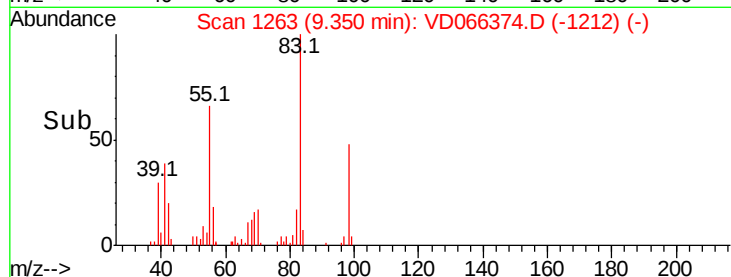
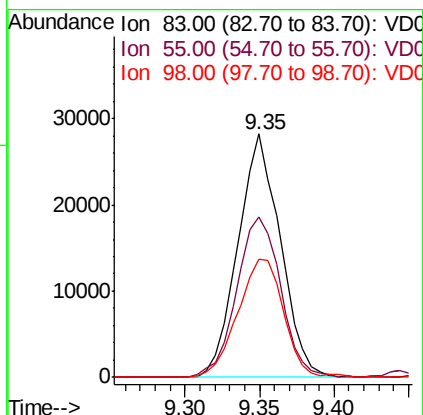
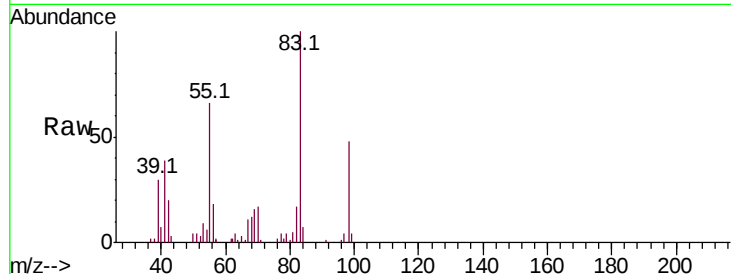




#39
Methvlcvclohexane
Concen: 18.891 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

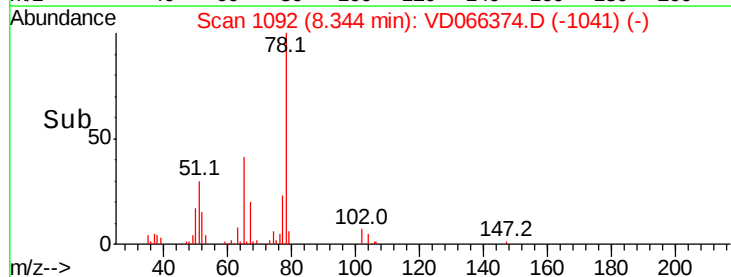
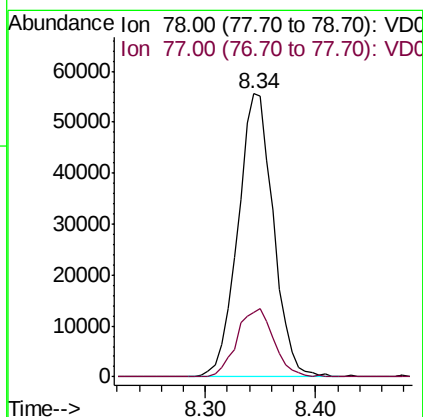
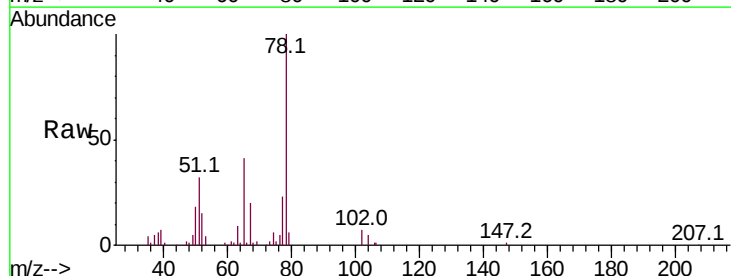
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

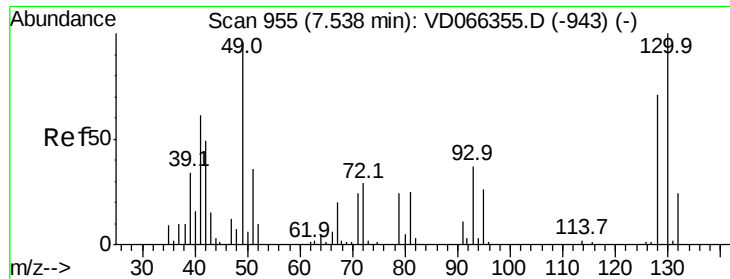
Tot Ion	83	Resp	55434
Ion Ratio	Lower	Upper	
83	100		
55	65.8	58.0	87.0
98	48.3	41.9	62.9



#40
Benzene
Concen: 19.153 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

Tgt Ion	78	Resp	125511
Ion Ratio	Lower	Upper	
78	100		
77	22.8	18.8	28.2

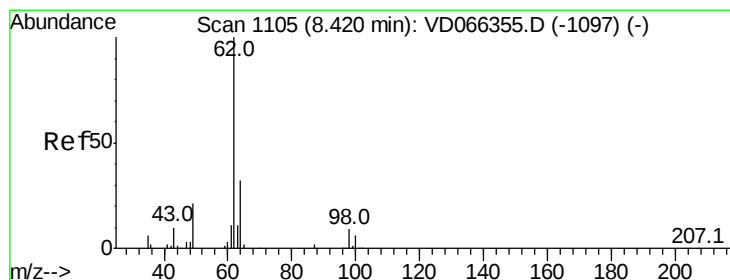
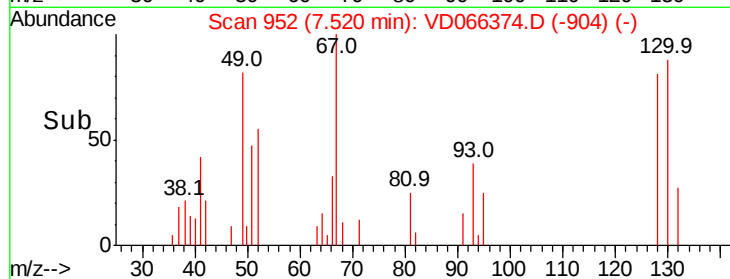
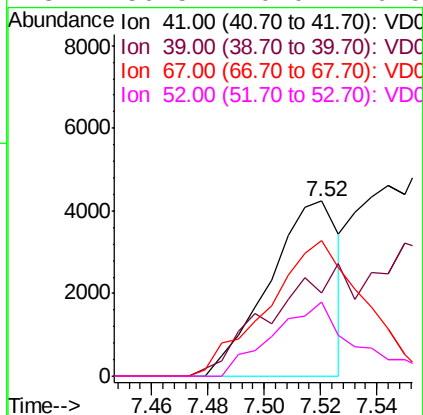
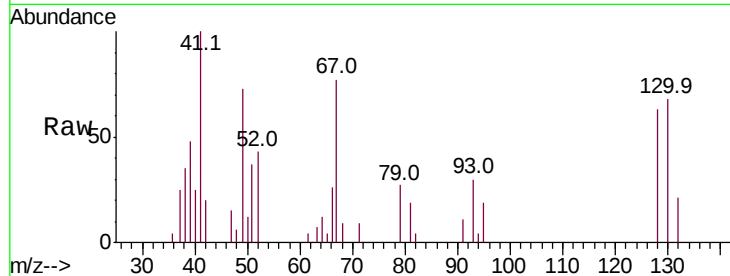




#41
Methacrylonitrile
Concen: 13.920 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.02 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

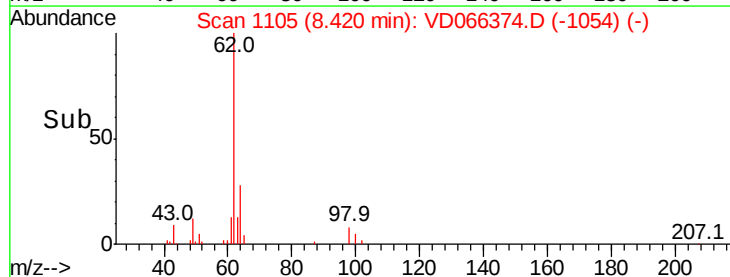
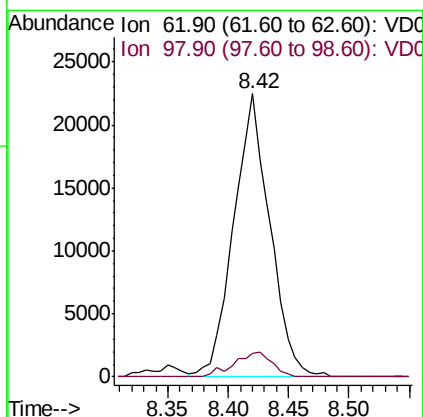
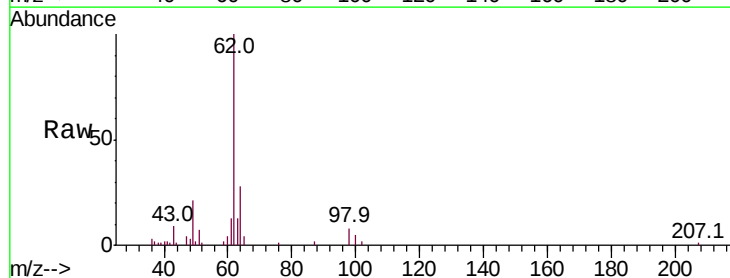
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

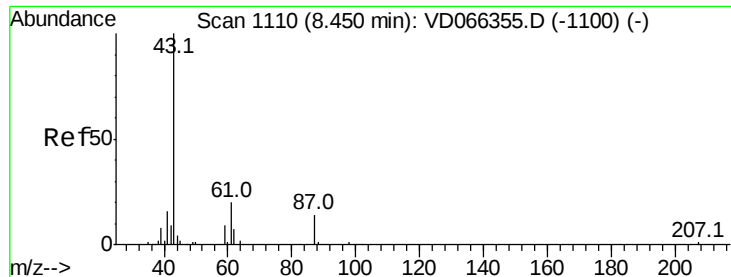
Tot Ion: 41 Resp: 7273
Ion Ratio Lower Upper
41 100
39 74.3 51.8 77.8
67 107.1 0.0 0.0#
52 50.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 20.355 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

Tgt Ion: 62 Resp: 46980
Ion Ratio Lower Upper
62 100
98 9.2 0.0 16.2





#43

Isopropyl Acetate

Concen: 17.789 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

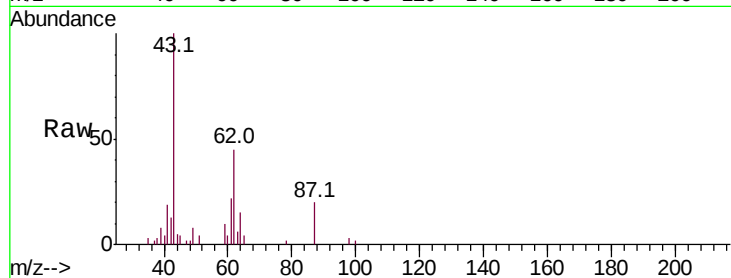
Tot Ion: 43 Resp: 30250

Ion Ratio Lower Upper

43 100

61 34.5 26.5 39.7

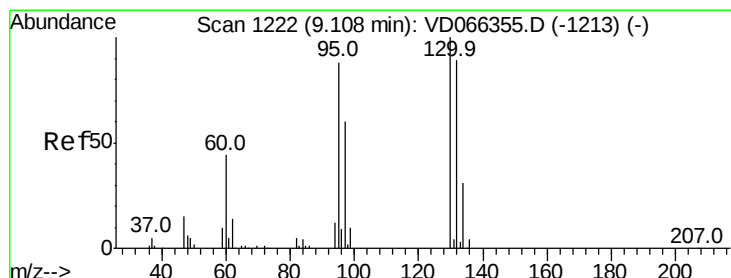
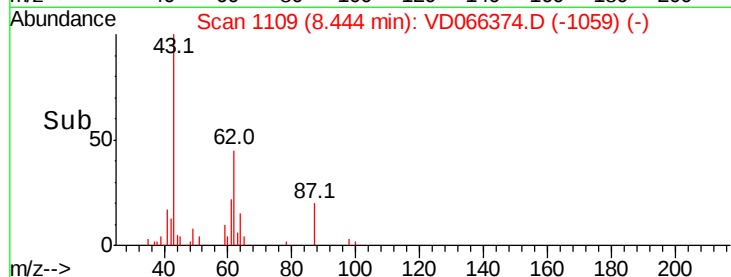
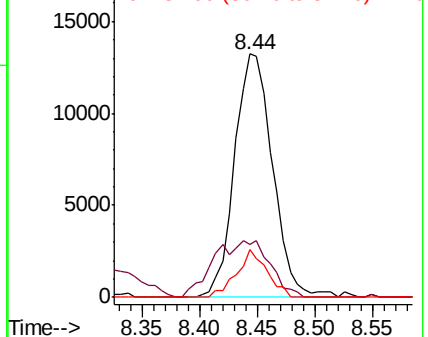
87 15.7 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.302 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066374.D

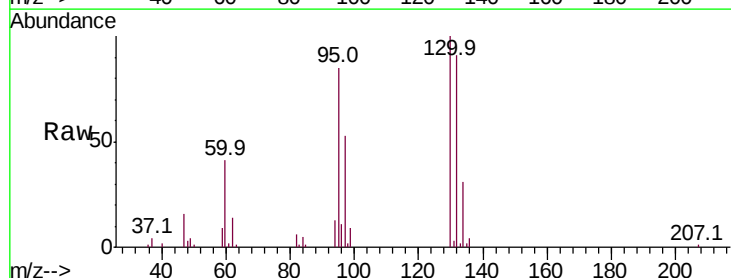
Acq: 24 Aug 2020 12:01

Tgt Ion: 130 Resp: 41102

Ion Ratio Lower Upper

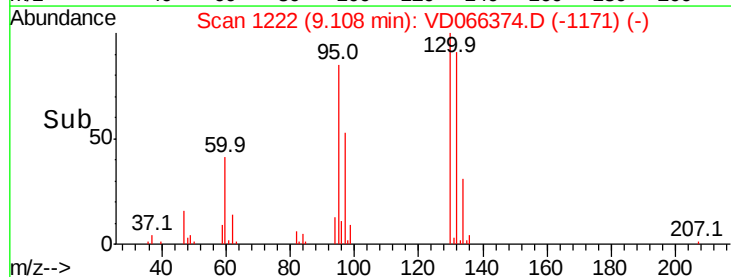
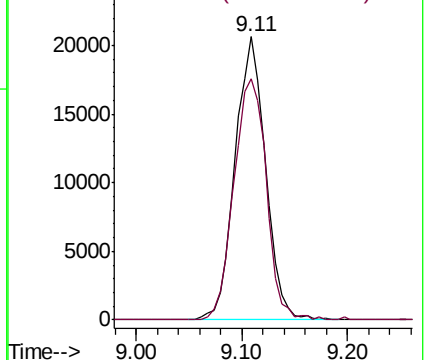
130 100

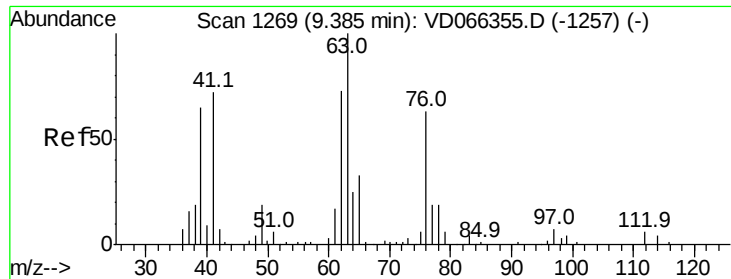
95 85.2 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.365 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

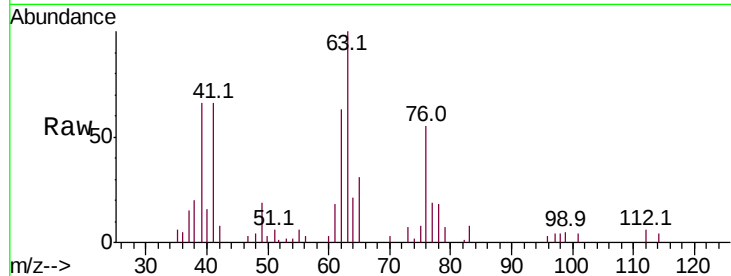
VD0824SBS01

Tot Ion: 63 Resp: 28769

Ion Ratio Lower Upper

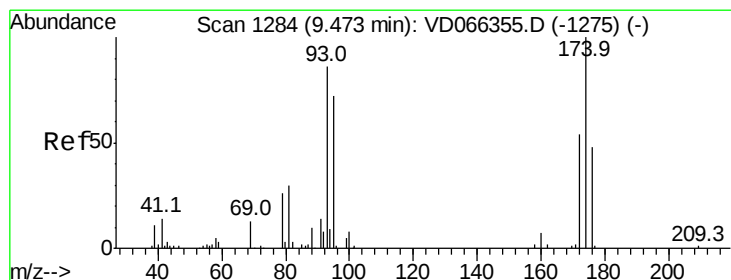
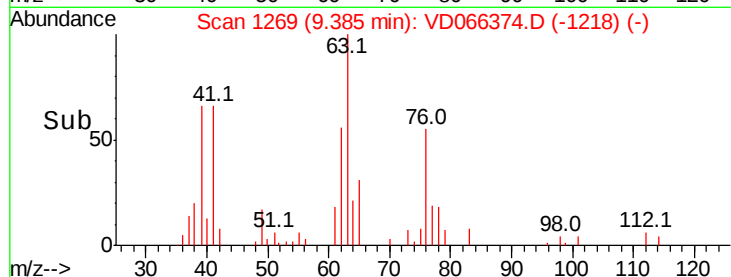
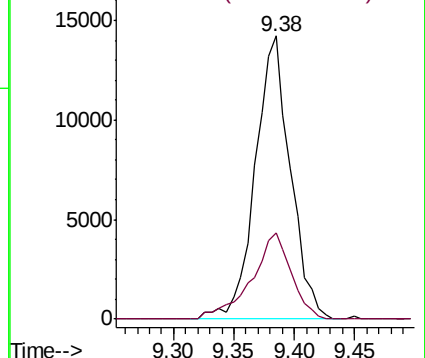
63 100

65 30.6 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.266 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

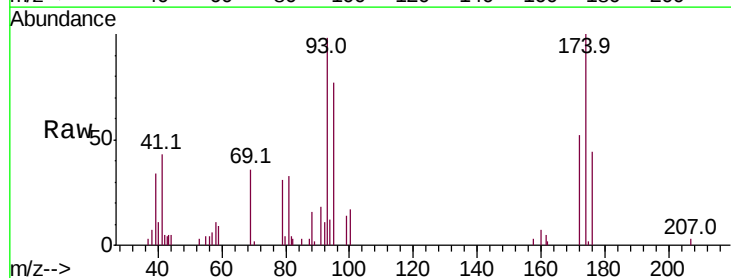
Tgt Ion: 93 Resp: 17821

Ion Ratio Lower Upper

93 100

95 86.5 66.0 99.0

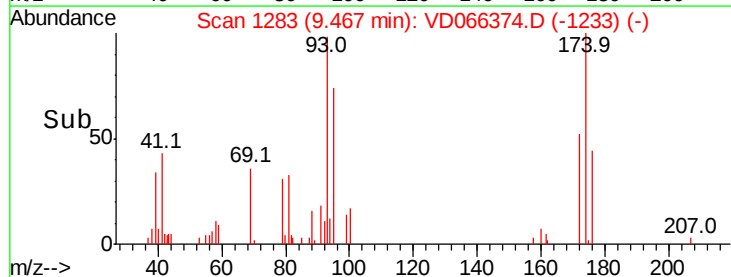
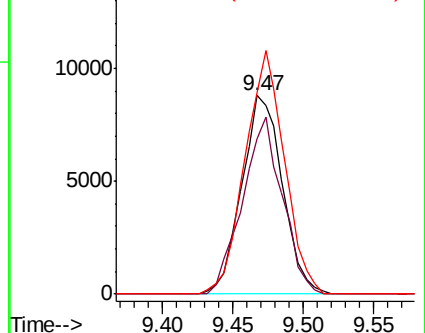
174 118.5 94.6 141.8

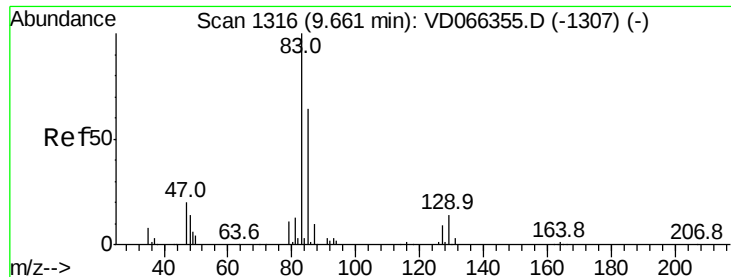


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.117 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

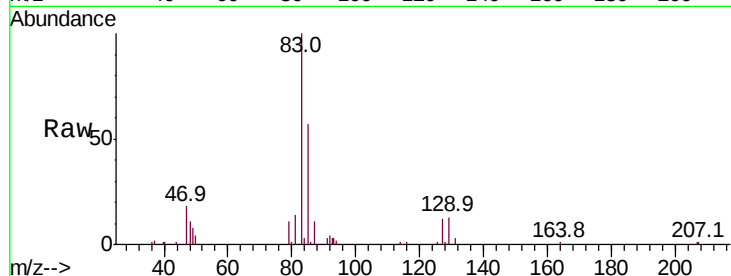
Tot Ion: 83 Resp: 48630

Ion Ratio Lower Upper

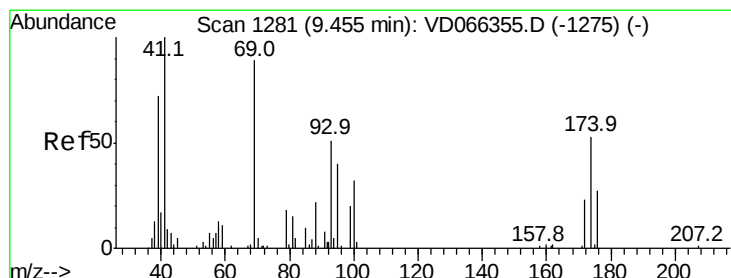
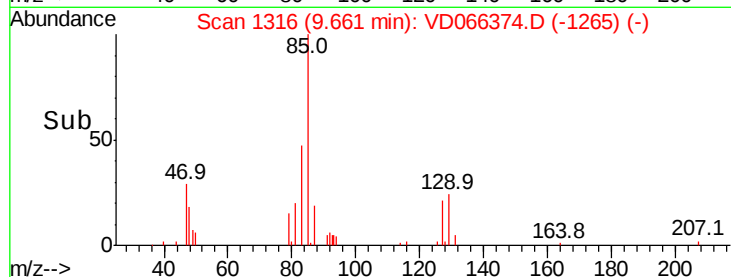
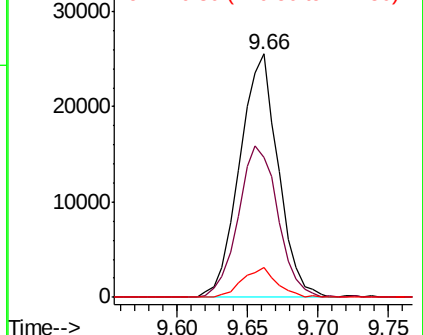
83 100

85 57.3 51.4 77.0

127 12.1 7.4 11.0#



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



#48

Methyl methacrylate

Concen: 17.462 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

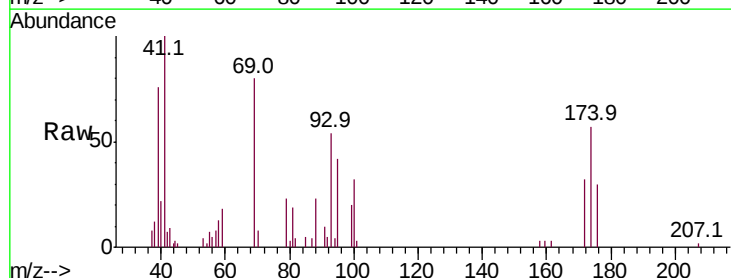
Tgt Ion: 41 Resp: 15313

Ion Ratio Lower Upper

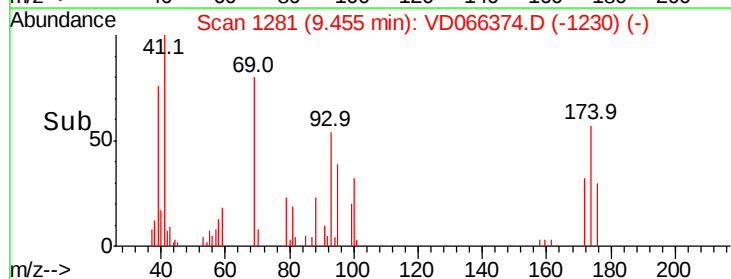
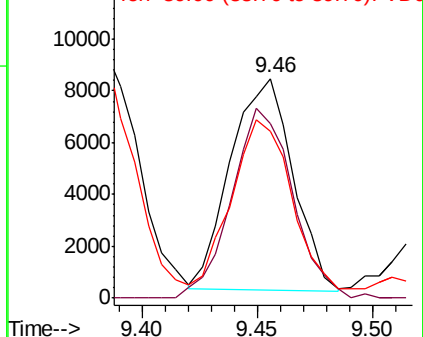
41 100

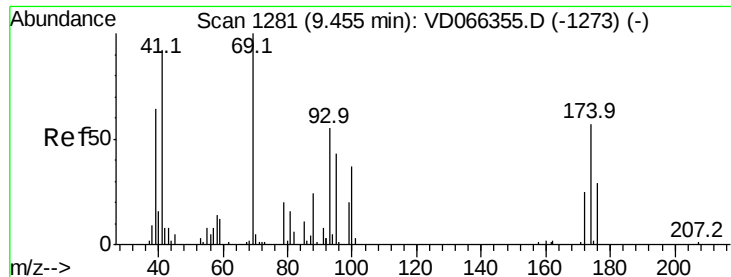
69 88.3 75.5 113.3

39 77.1 57.0 85.4



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: 383.593 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

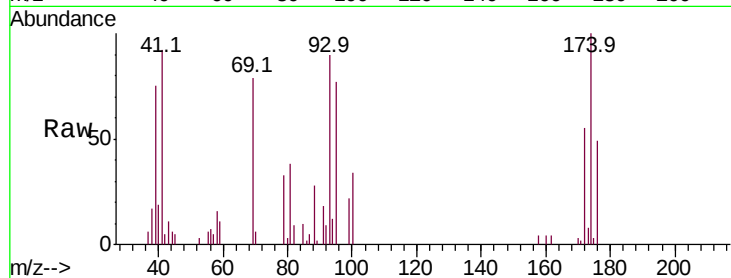
Tot Ion: 88 Resp: 4120

Ion Ratio Lower Upper

88 100

43 43.5 29.4 44.0

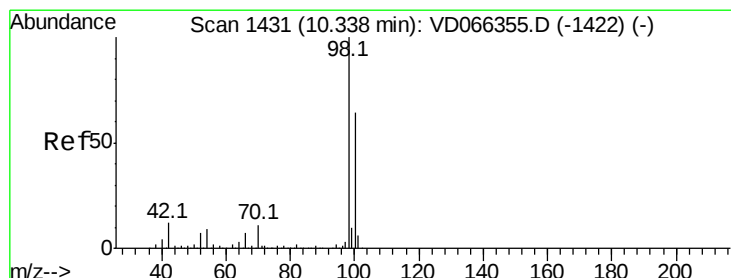
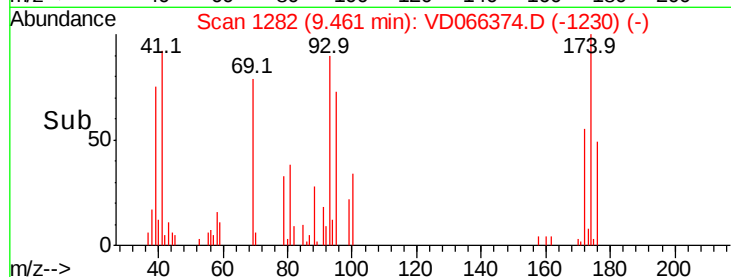
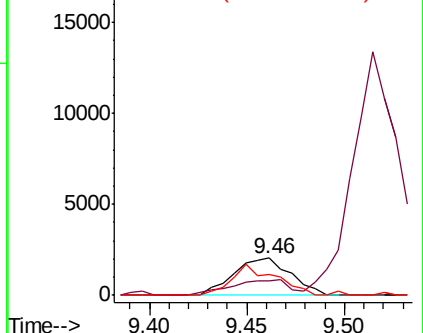
58 63.5 45.4 68.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 55.797 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066374.D

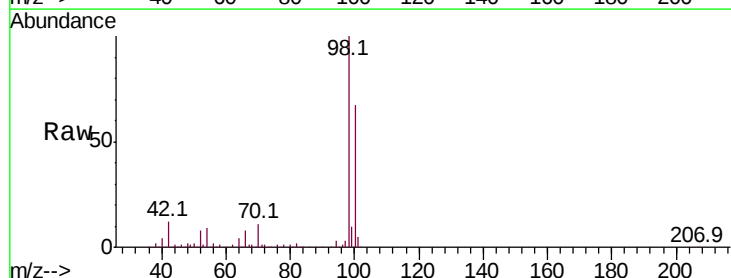
Acq: 24 Aug 2020 12:01

Tgt Ion: 98 Resp: 348525

Ion Ratio Lower Upper

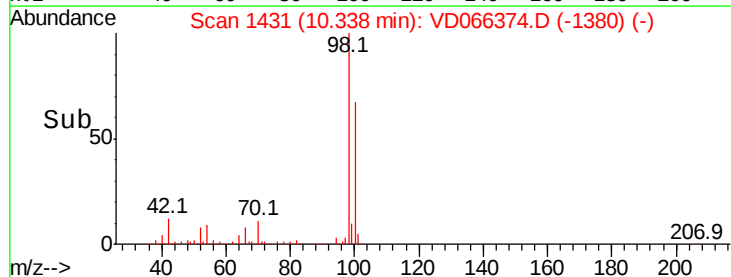
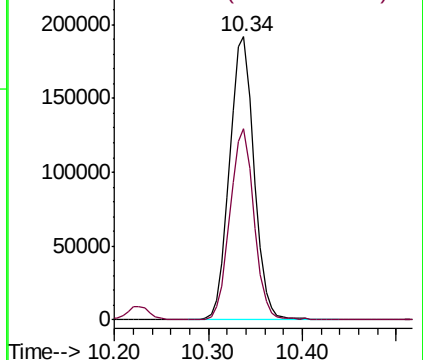
98 100

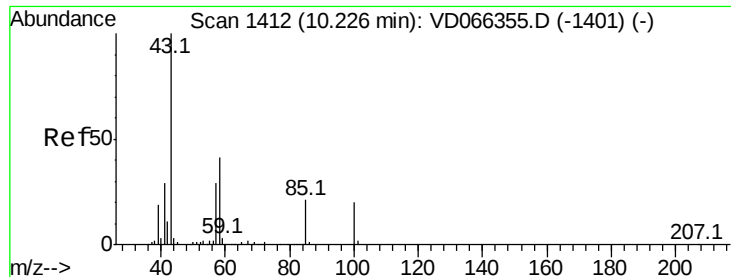
100 66.3 53.0 79.4



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: 89.147 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

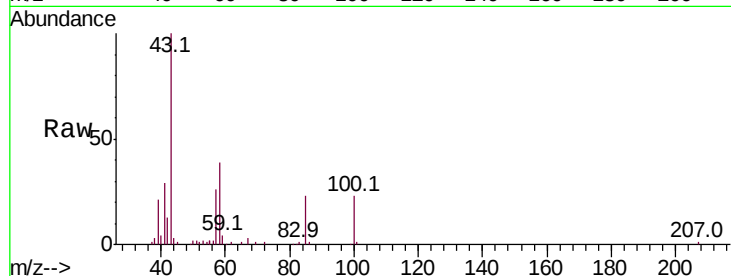
VD0824SBS01

Tot Ion: 43 Resp: 73337

Ion Ratio Lower Upper

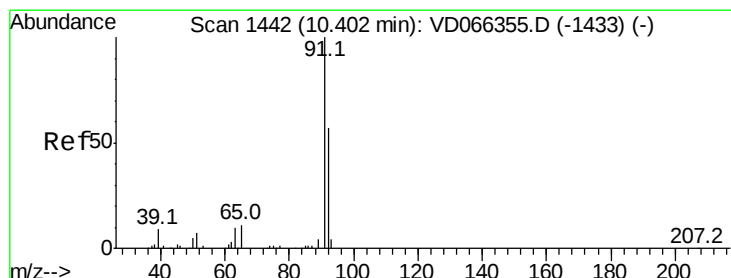
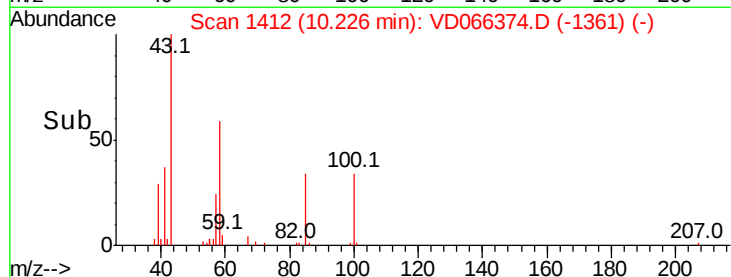
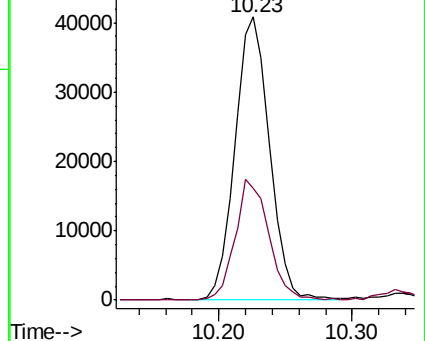
43 100

58 41.5 31.4 47.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.925 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066374.D

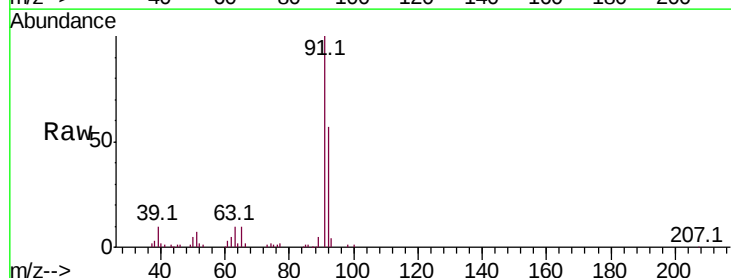
Acq: 24 Aug 2020 12:01

Tgt Ion: 92 Resp: 88460

Ion Ratio Lower Upper

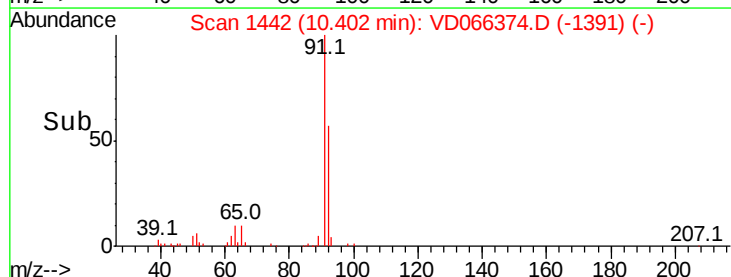
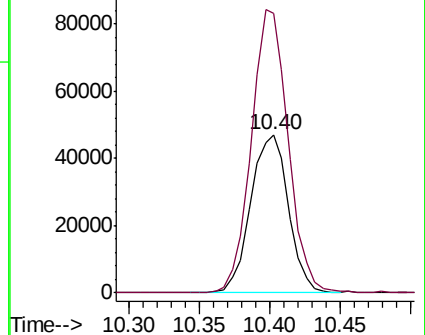
92 100

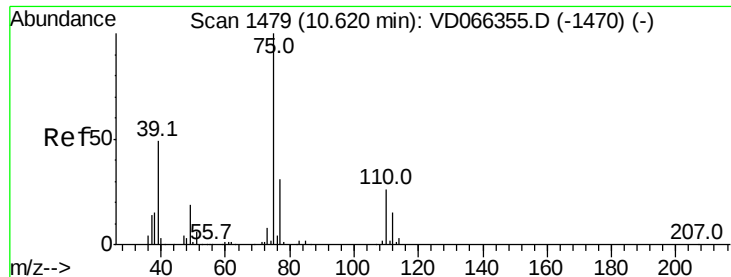
91 174.6 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.321 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

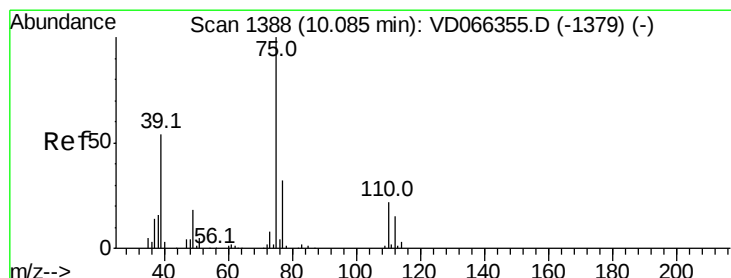
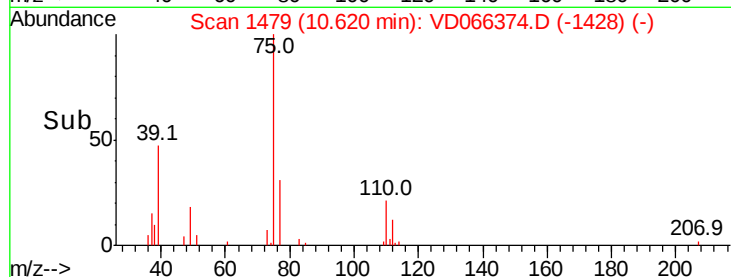
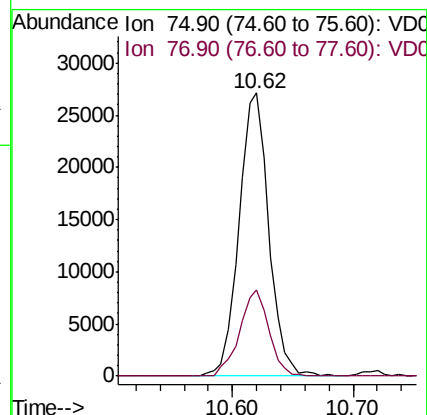
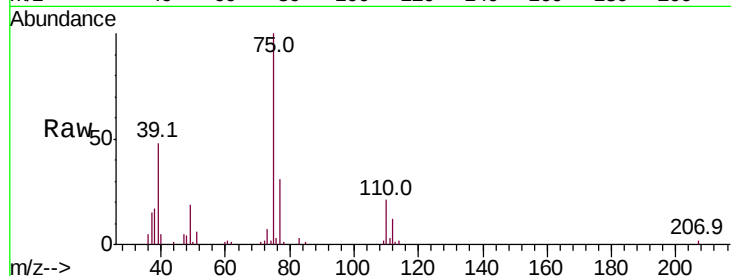
VD0824SBS01

Tot Ion: 75 Resp: 46635

Ion Ratio Lower Upper

75 100

77 30.5 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 18.888 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

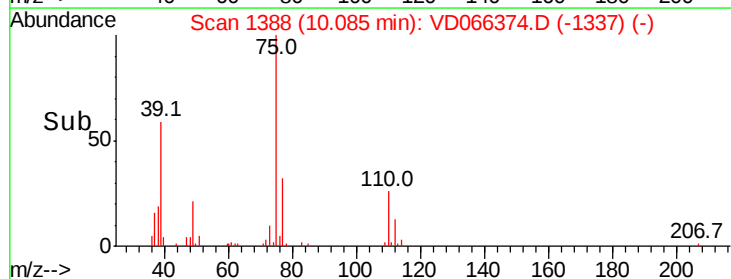
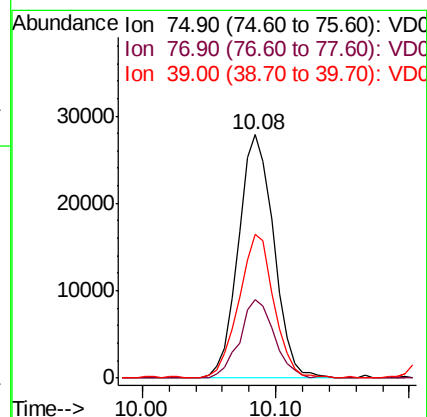
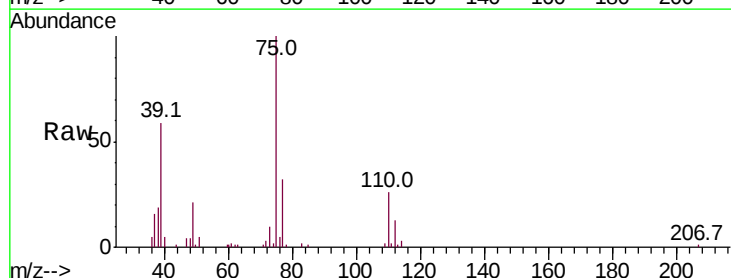
Tgt Ion: 75 Resp: 51174

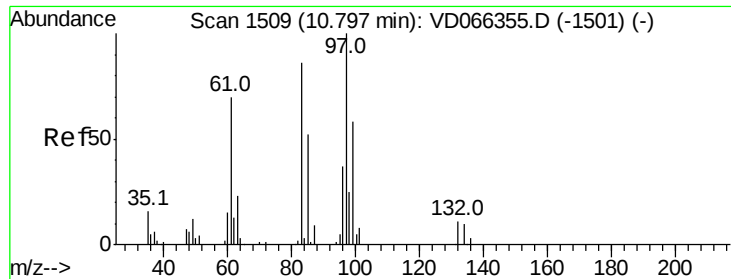
Ion Ratio Lower Upper

75 100

77 32.5 25.6 38.4

39 59.2 43.4 65.0

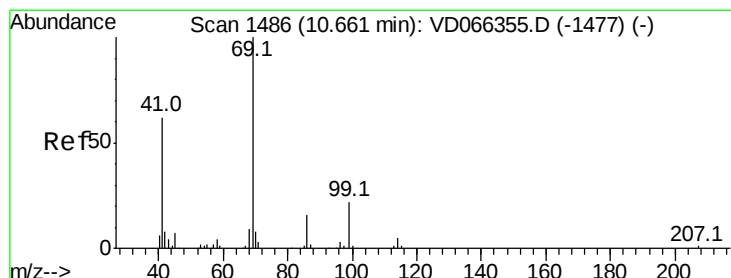
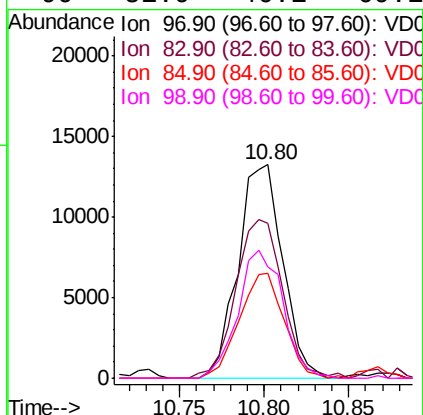
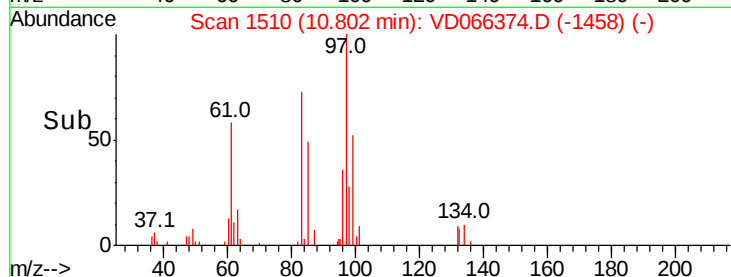
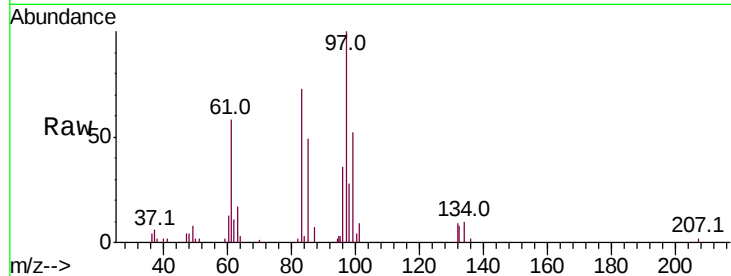




#55
 1,1,2-Trichloroethane
 Concen: 19.447 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

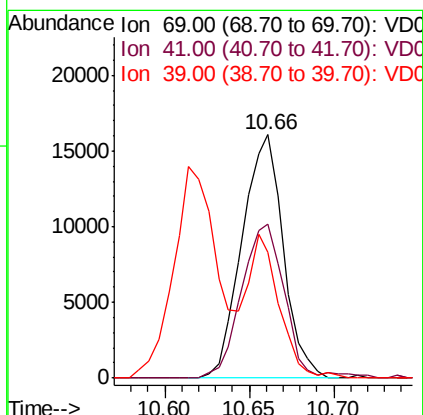
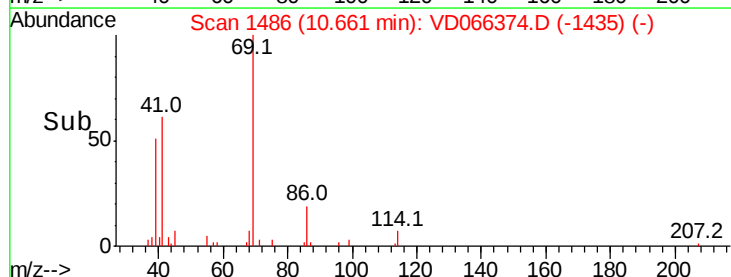
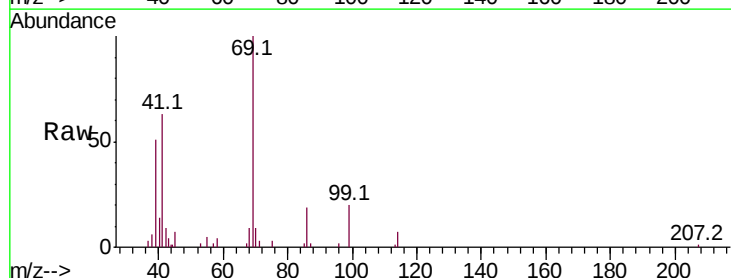
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

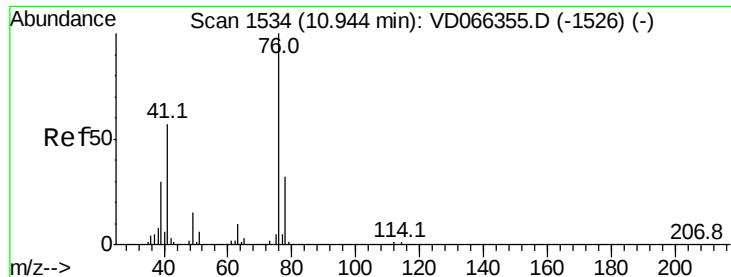
Tot Ion:	97	Resp:	24352
Ion	Ratio	Lower	Upper
97	100		
83	72.8	68.4	102.6
85	49.3	41.3	61.9
99	51.9	46.1	69.1



#56
 Ethyl methacrylate
 Concen: 18.781 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

Tgt Ion:	69	Resp:	27225
Ion	Ratio	Lower	Upper
69	100		
41	66.5	50.8	76.2
39	44.2	32.9	49.3





#57

1,3-Dichloropropane

Concen: 19.102 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

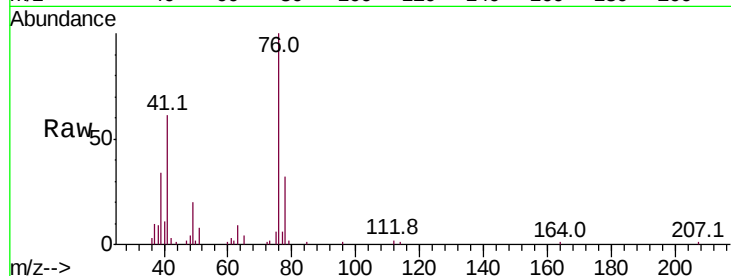
VD0824SBS01

Tot Ion: 76 Resp: 39566

Ion Ratio Lower Upper

76 100

78 31.3 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

25000

20000

15000

10000

5000

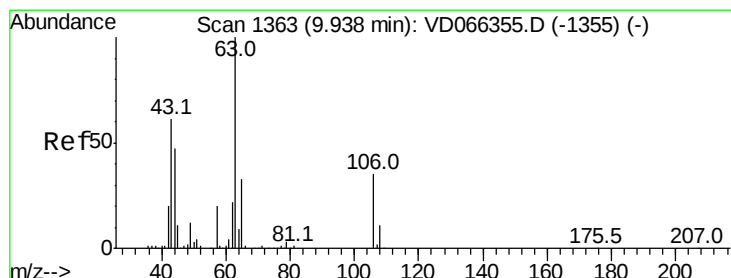
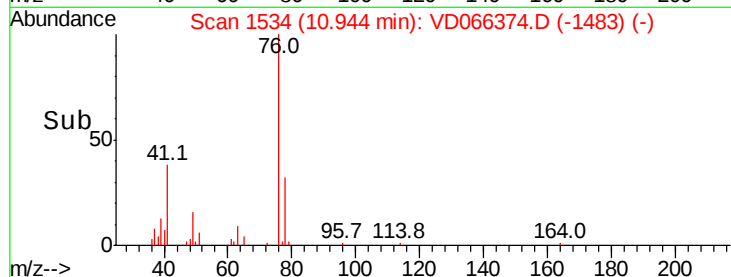
0

10.90

10.94

11.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.668 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066374.D

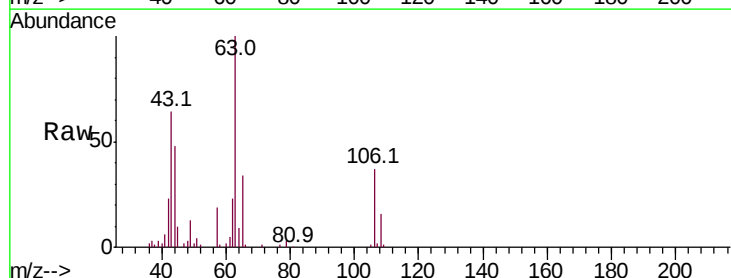
Acq: 24 Aug 2020 12:01

Tgt Ion: 63 Resp: 63016

Ion Ratio Lower Upper

63 100

106 37.0 27.1 40.7



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

40000

30000

20000

10000

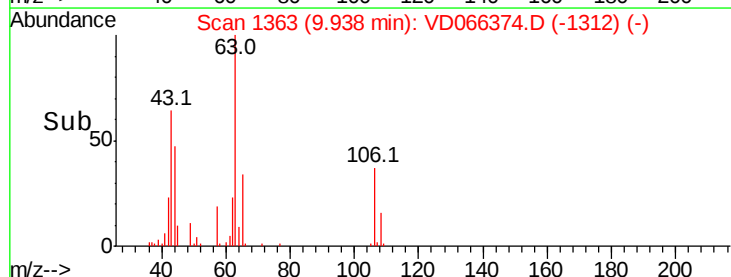
0

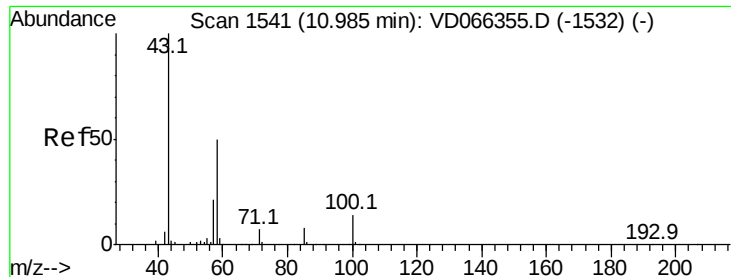
9.90

9.94

10.00

Time-->

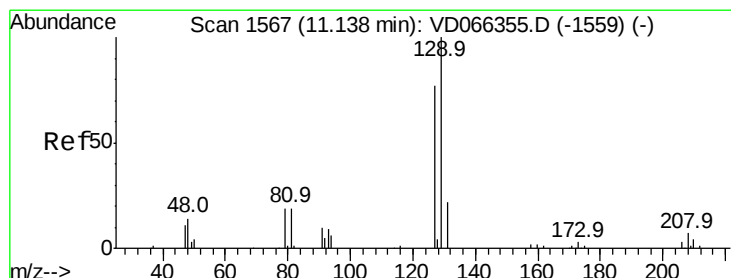
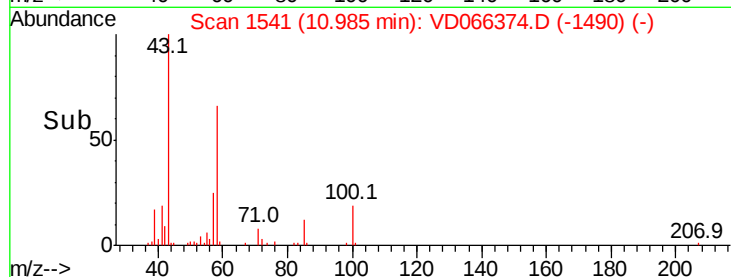
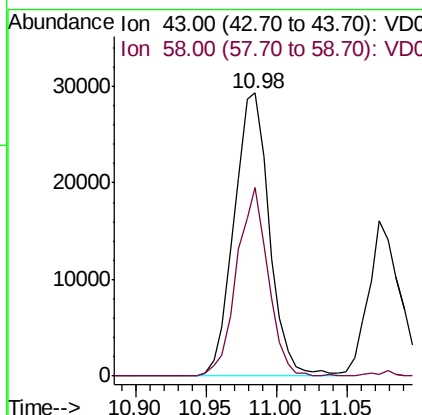
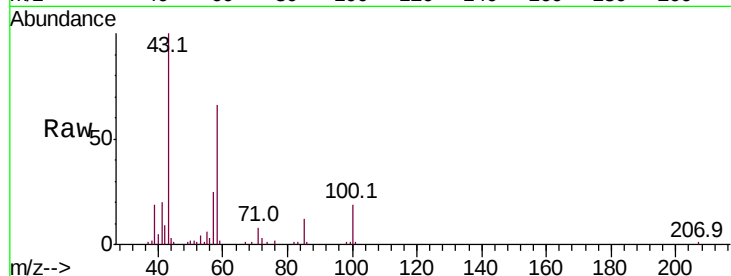




#59
2-Hexanone
Concen: 88.257 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

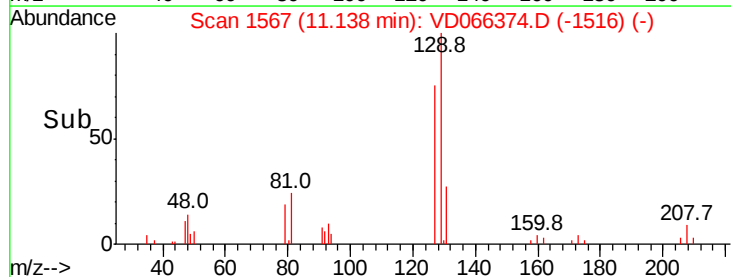
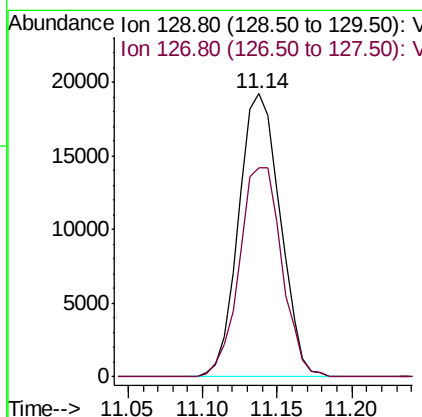
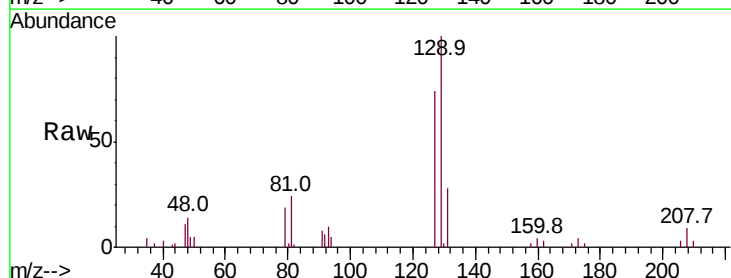
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

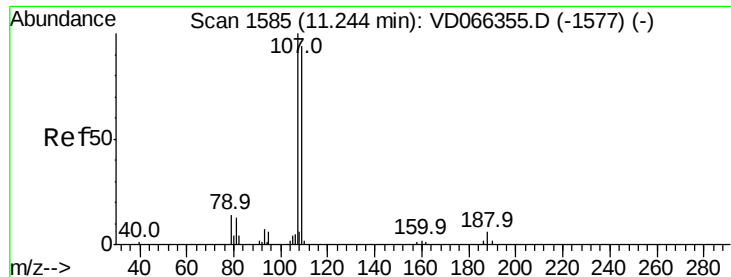
Tot Ion: 43 Resp: 51213
Ion Ratio Lower Upper
43 100
58 59.1 26.3 78.8



#60
Dibromochloromethane
Concen: 19.671 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

Tgt Ion: 129 Resp: 37129
Ion Ratio Lower Upper
129 100
127 75.6 39.0 117.0





#61

1,2-Dibromoethane

Concen: 19.087 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

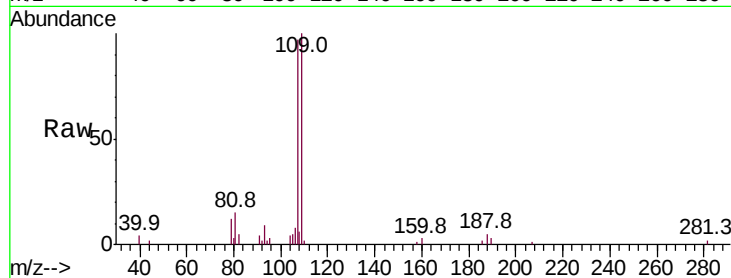
VD0824SBS01

Tot Ion:107 Resp: 23521

Ion Ratio Lower Upper

107 100

109 95.8 77.8 116.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

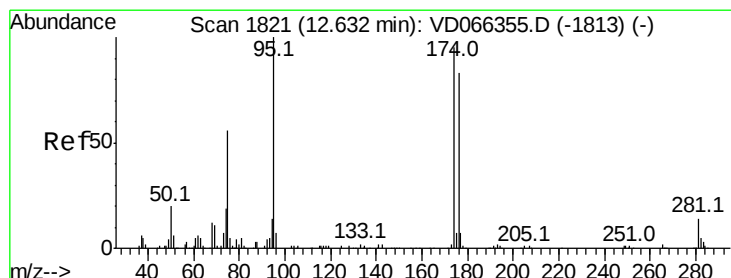
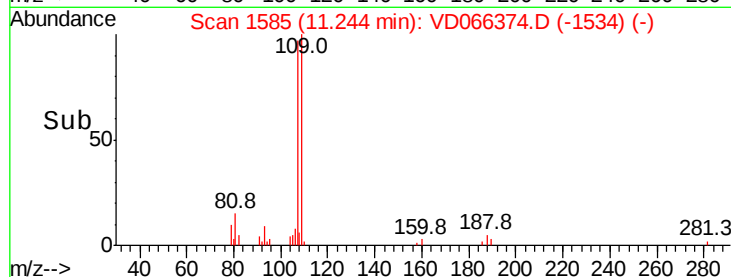
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 56.975 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

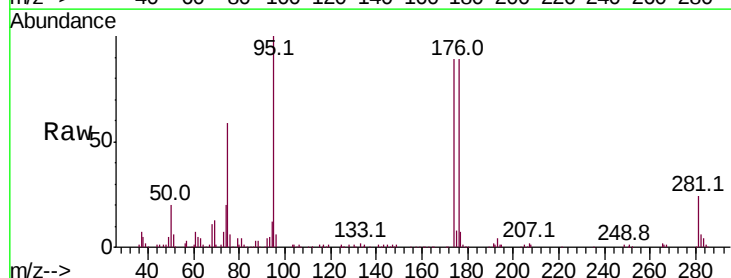
Tgt Ion: 95 Resp: 126281

Ion Ratio Lower Upper

95 100

174 93.3 0.0 183.4

176 90.2 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

100000

80000

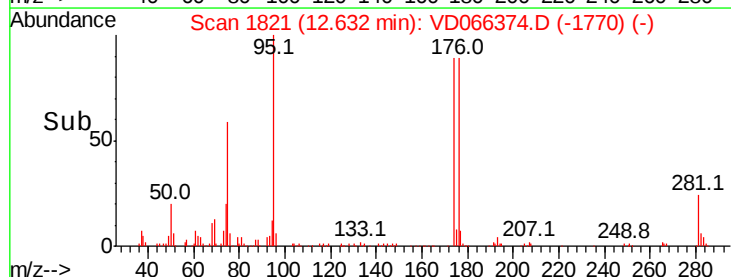
60000

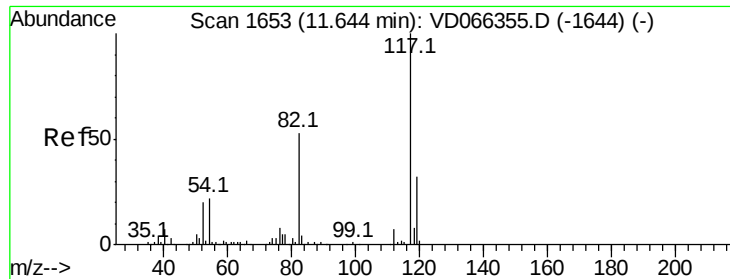
40000

20000

0

Time--> 12.55 12.60 12.65 12.70





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

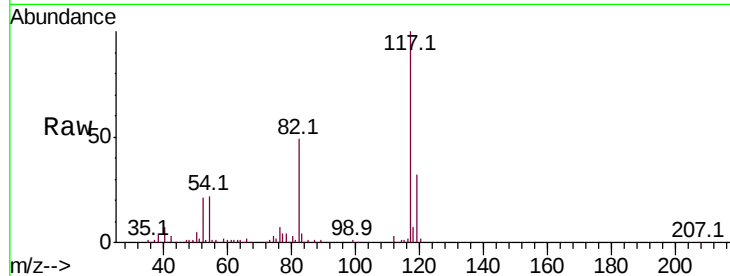
Tot Ion:117 Resp: 257593

Ion Ratio Lower Upper

117 100

82 48.8 42.8 64.2

119 32.1 25.8 38.8

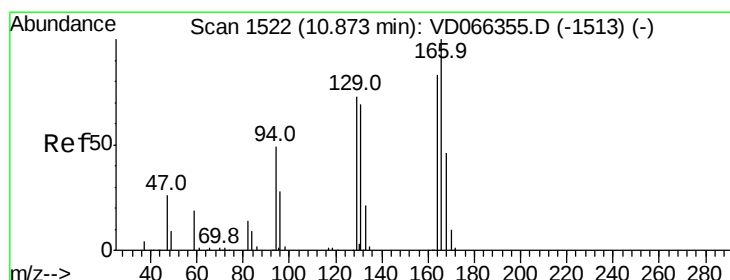
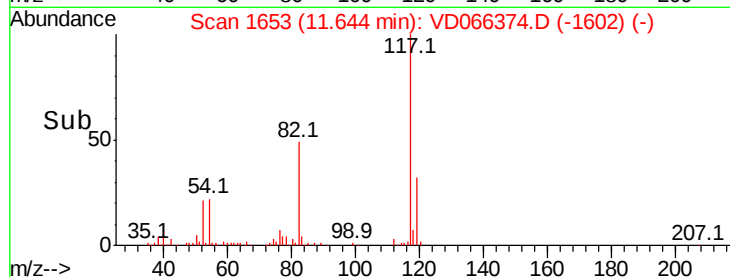
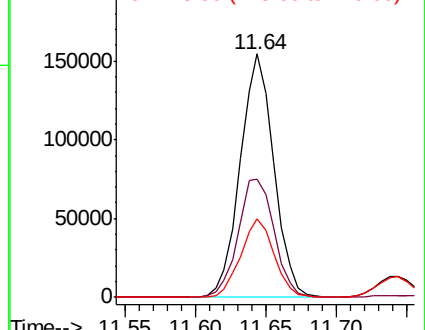


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.756 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Tgt Ion:164 Resp: 36650

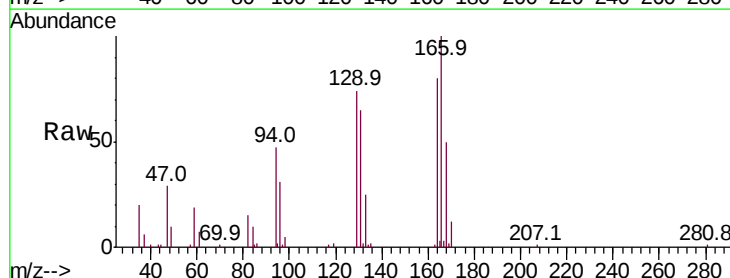
Ion Ratio Lower Upper

164 100

166 125.7 96.2 144.4

129 92.9 70.3 105.5

131 81.8 66.4 99.6



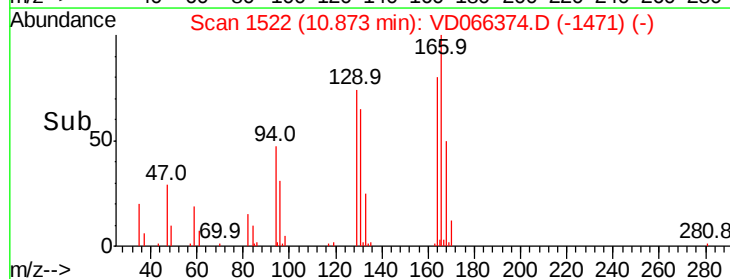
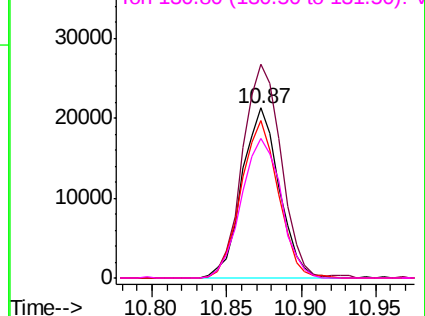
Abundance

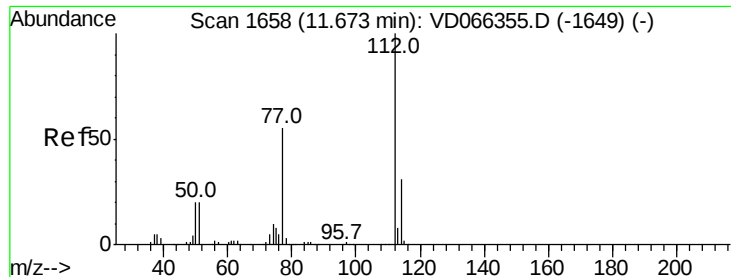
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.824 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

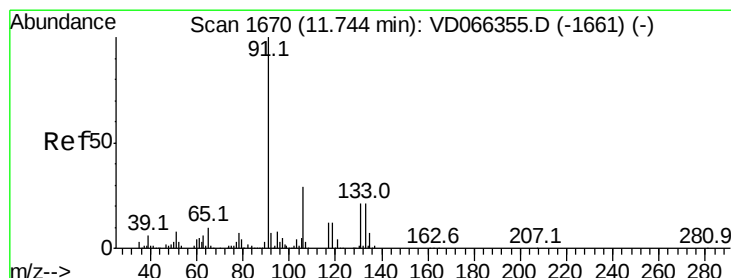
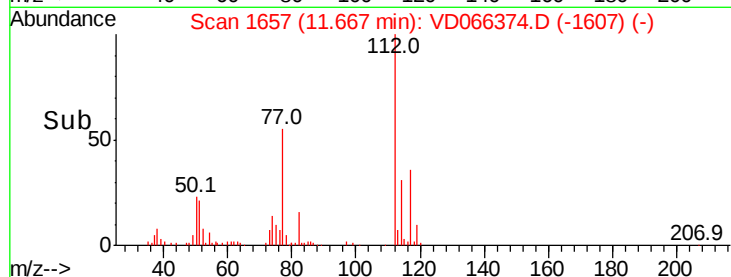
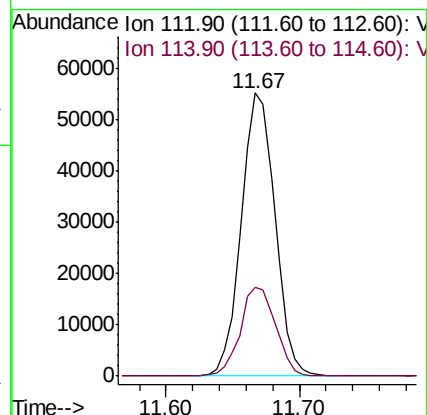
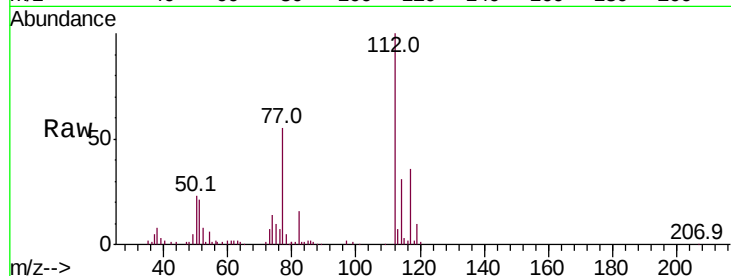
VD0824SBS01

Tot Ion:112 Resp: 96472

Ion Ratio Lower Upper

112 100

114 31.4 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 19.595 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

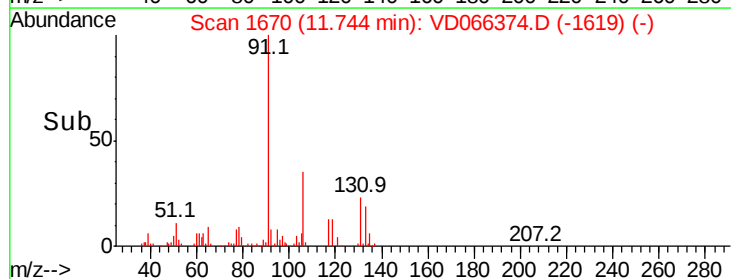
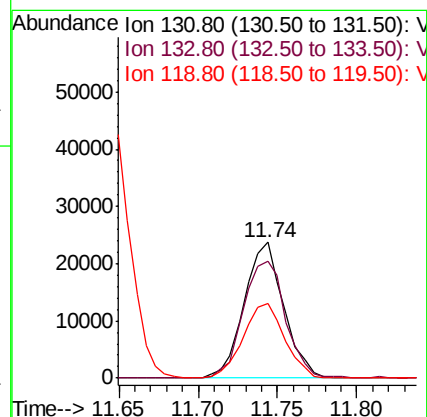
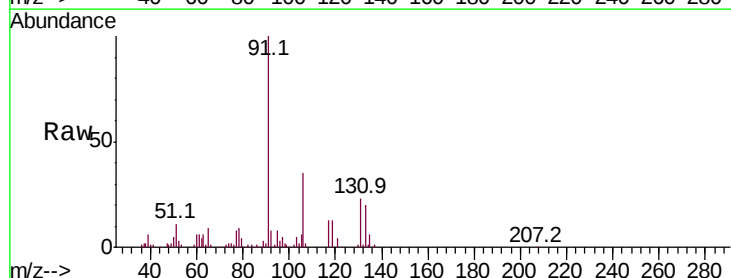
Tgt Ion:131 Resp: 41039

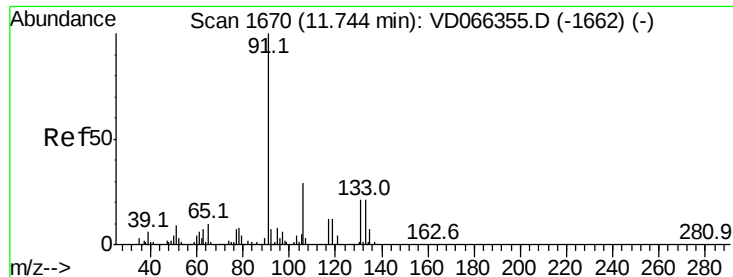
Ion Ratio Lower Upper

131 100

133 92.4 48.6 145.9

119 58.0 29.0 87.1





#67

Ethyl Benzene

Concen: 19.113 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

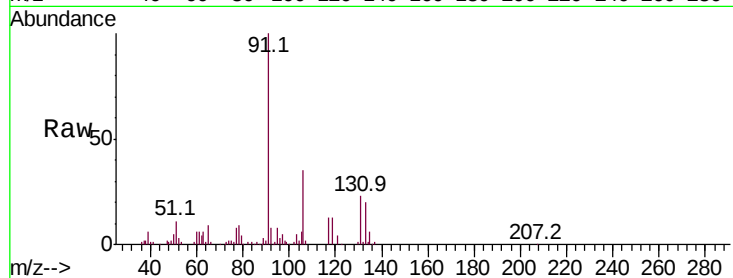
VD0824SBS01

Tot Ion: 91 Resp: 172422

Ion Ratio Lower Upper

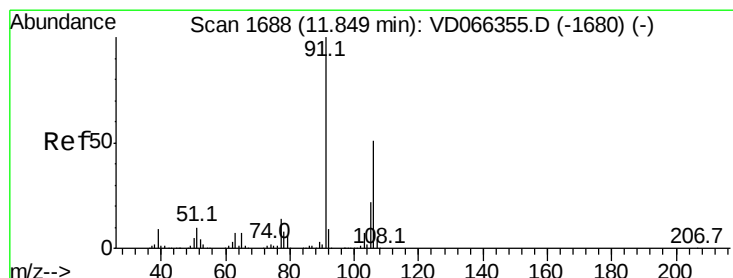
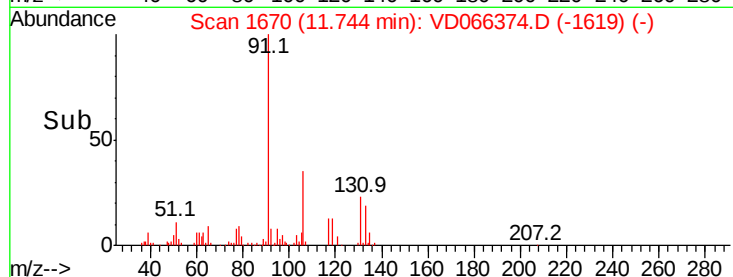
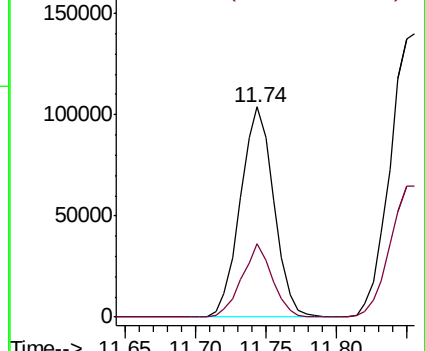
91 100

106 35.0 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 37.824 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066374.D

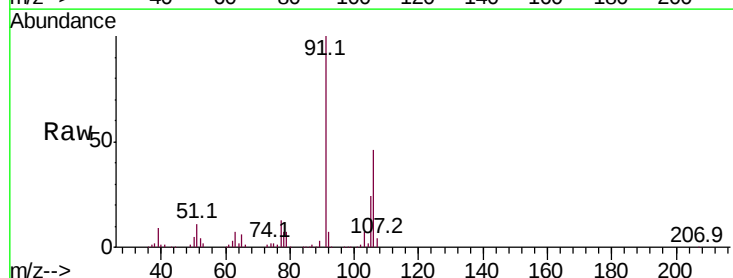
Acq: 24 Aug 2020 12:01

Tgt Ion:106 Resp: 130054

Ion Ratio Lower Upper

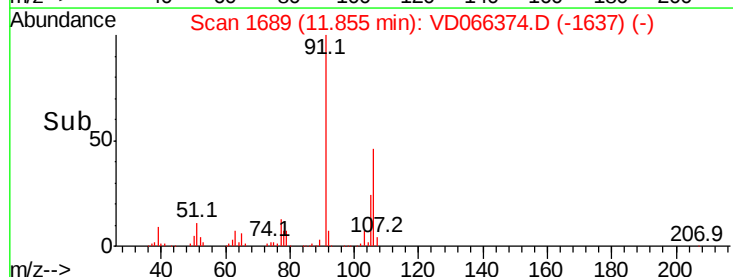
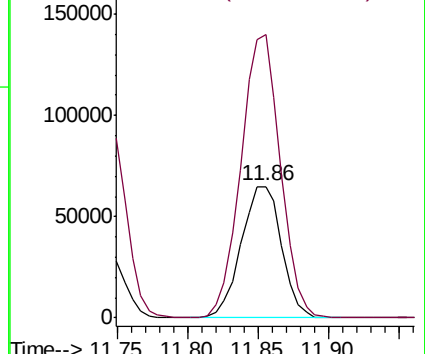
106 100

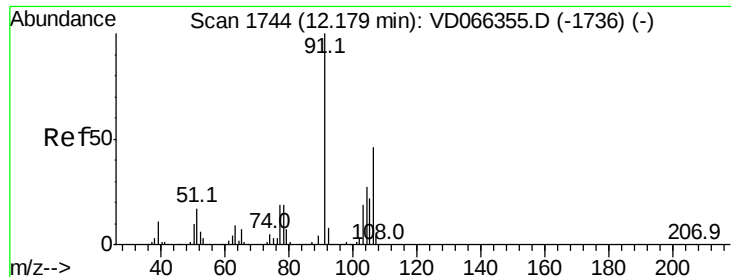
91 210.3 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VD

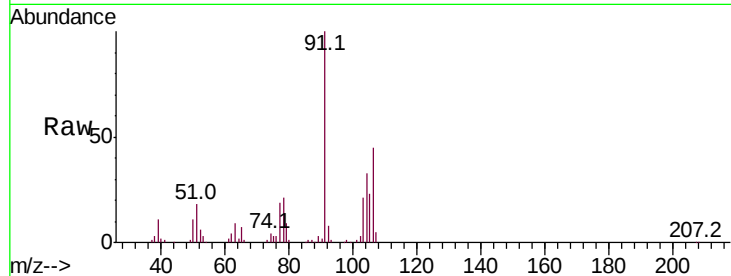




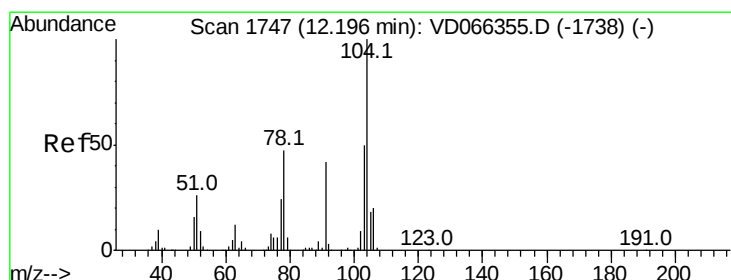
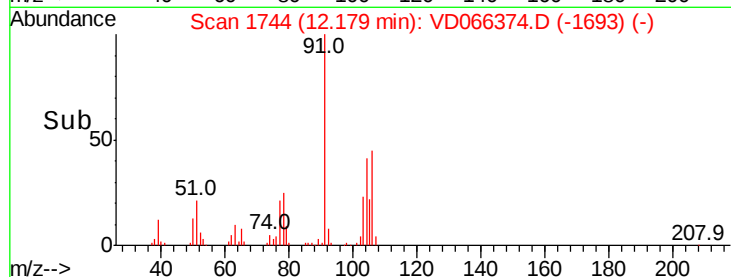
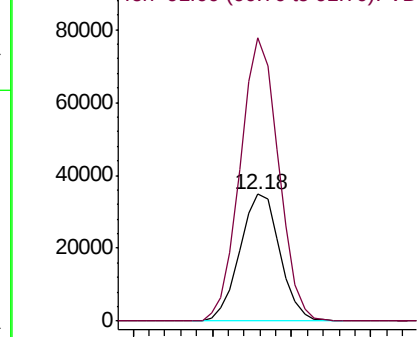
#69
o-Xylene
Concen: 19.122 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion:106 Resp: 61165
Ion Ratio Lower Upper
106 100
91 214.3 109.1 327.3

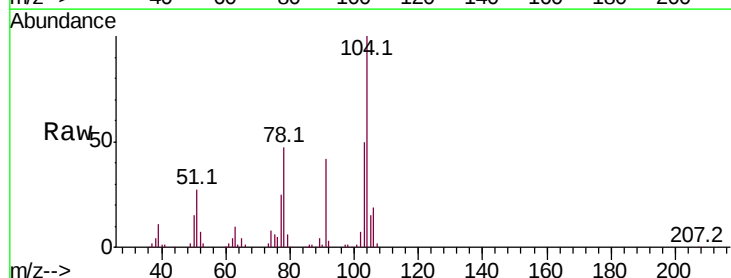


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

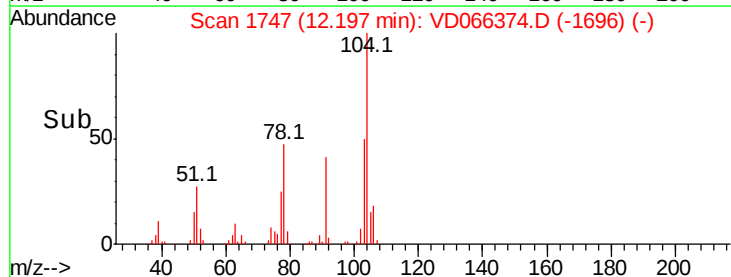
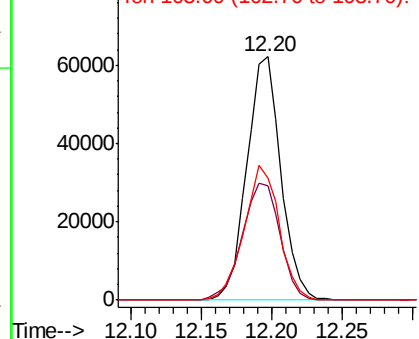


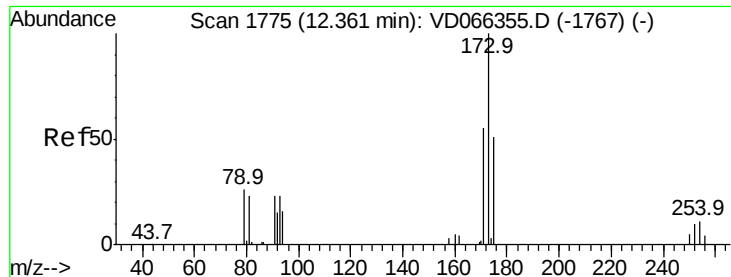
#70
Styrene
Concen: 19.133 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

Tgt Ion:104 Resp: 105084
Ion Ratio Lower Upper
104 100
78 53.2 41.7 62.5
103 57.2 43.5 65.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.161 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

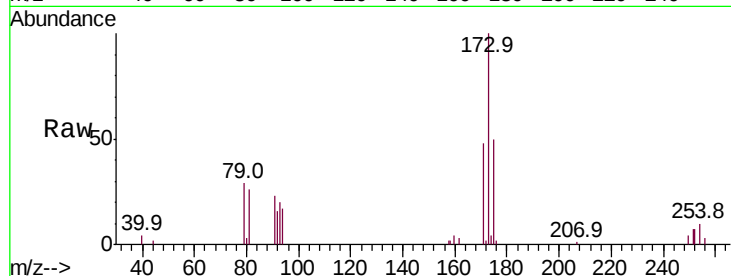
Tot Ion:173 Resp: 22767

Ion Ratio Lower Upper

173 100

175 47.5 24.8 74.3

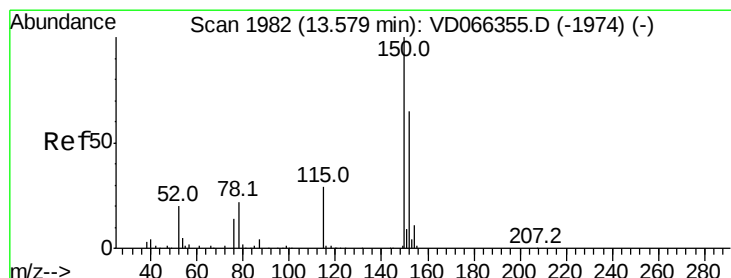
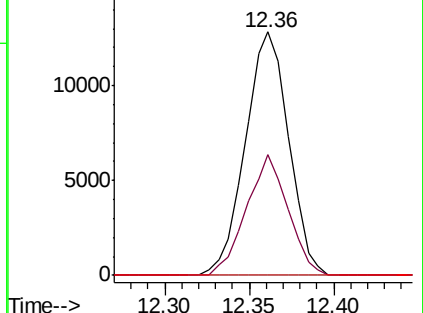
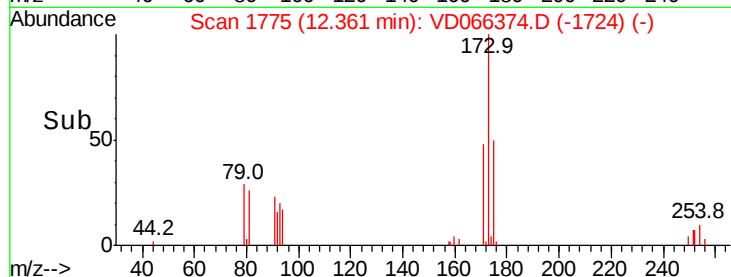
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

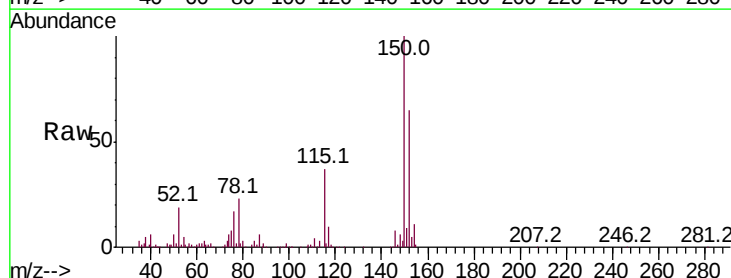
Tgt Ion:152 Resp: 139492

Ion Ratio Lower Upper

152 100

115 57.0 28.3 85.0

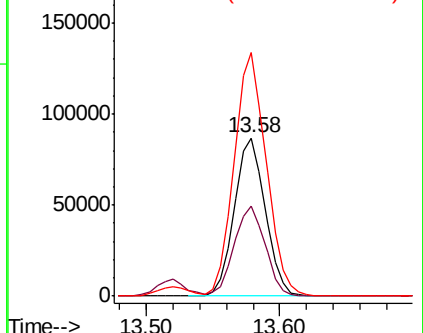
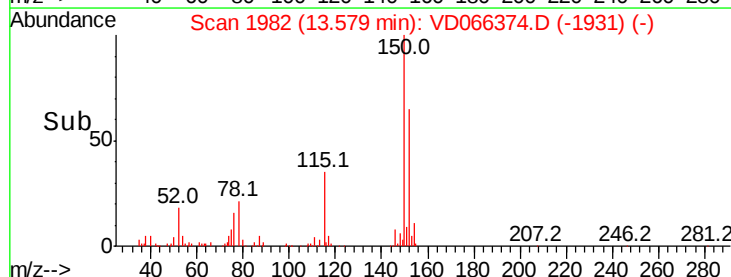
150 160.2 0.0 343.2

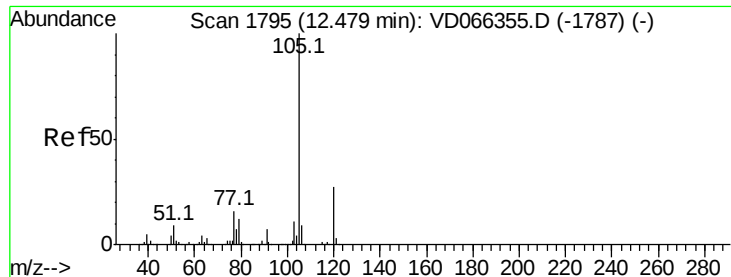


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.886 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

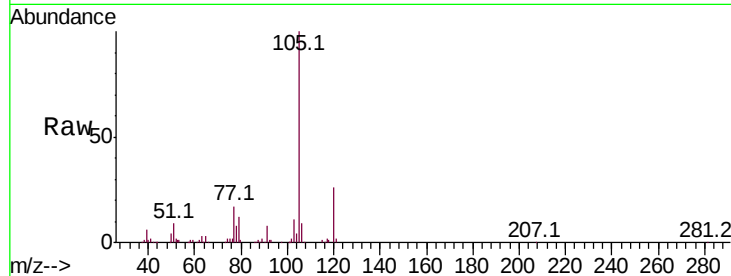
VD0824SBS01

Tot Ion:105 Resp: 176478

Ion Ratio Lower Upper

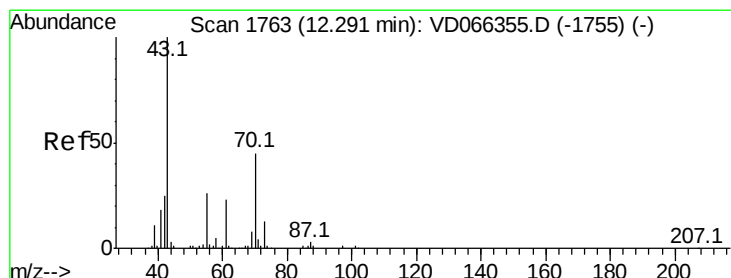
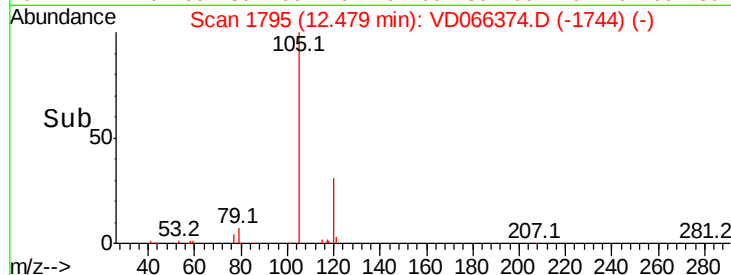
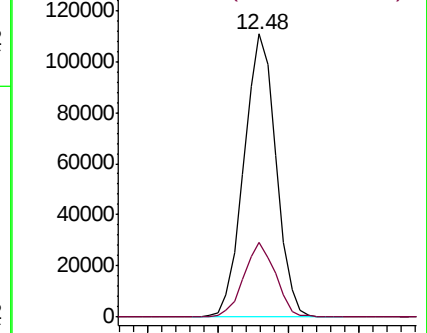
105 100

120 26.0 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.228 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Tgt Ion: 43 Resp: 27389

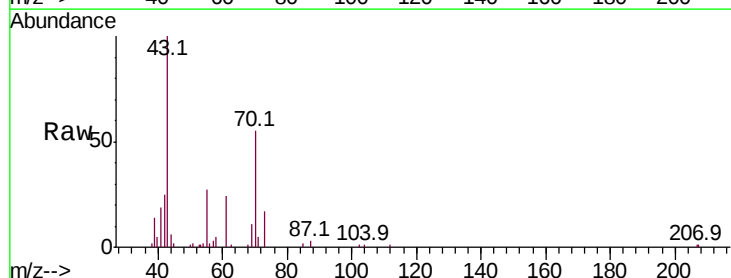
Ion Ratio Lower Upper

43 100

70 51.3 34.8 52.2

55 30.2 20.3 30.5

61 25.5 19.0 28.6

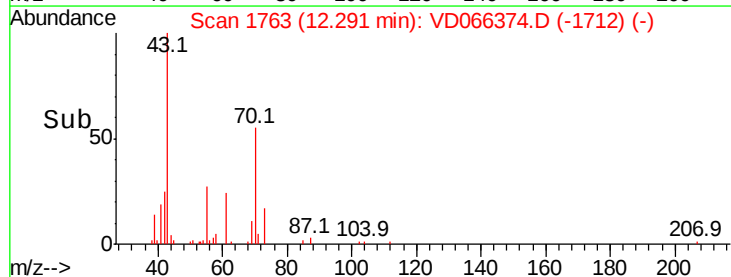
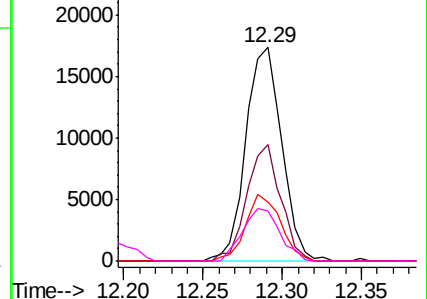


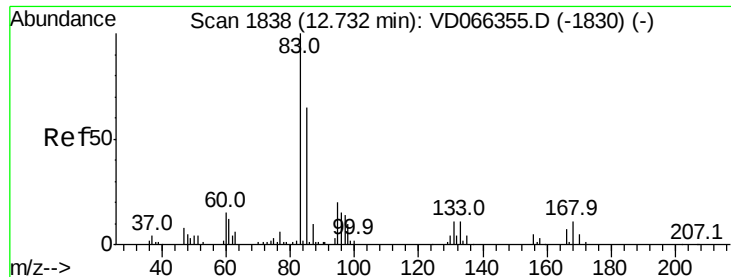
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.823 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

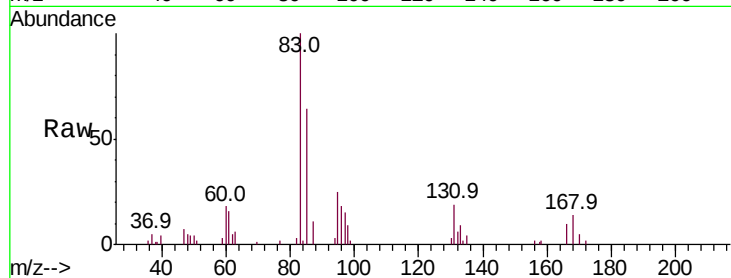
Tot Ion: 83 Resp: 23792

Ion Ratio Lower Upper

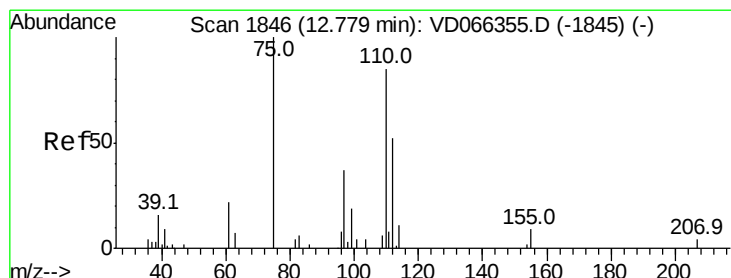
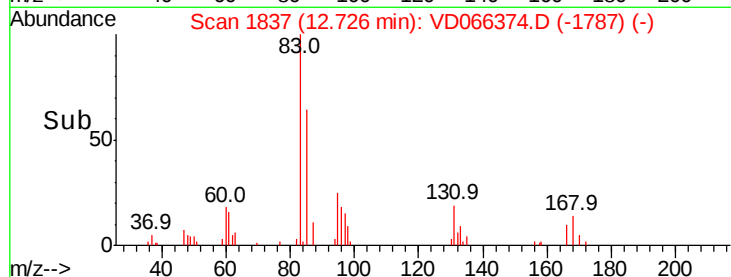
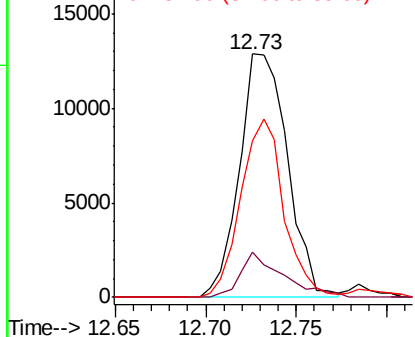
83 100

131 16.3 7.0 20.9

85 65.6 32.4 97.0



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: 36.851 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066374.D

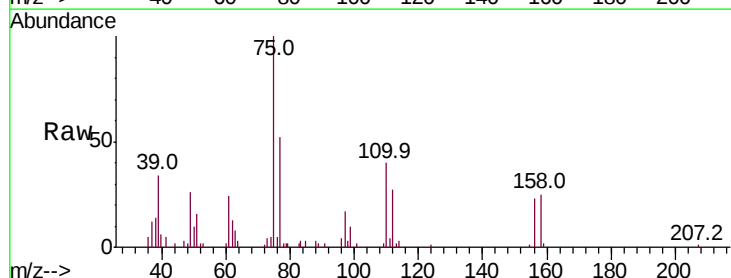
Acq: 24 Aug 2020 12:01

Tgt Ion: 75 Resp: 36163

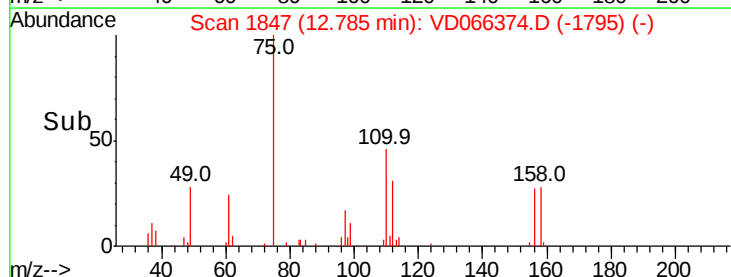
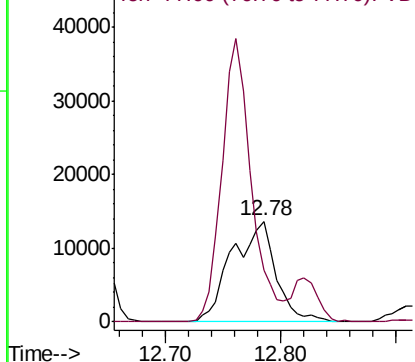
Ion Ratio Lower Upper

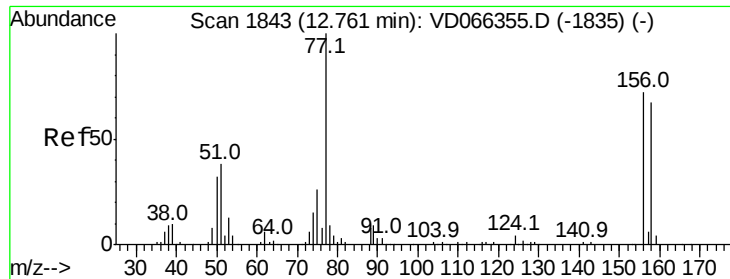
75 100

77 0.0 182.9 548.9#



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

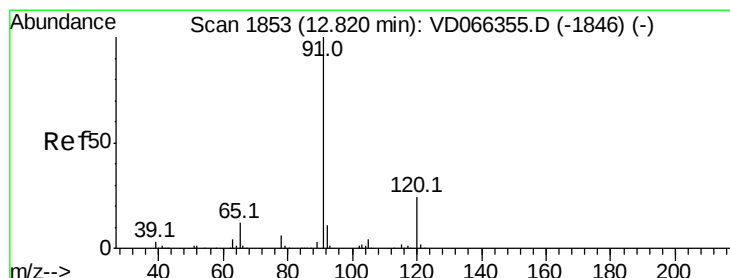
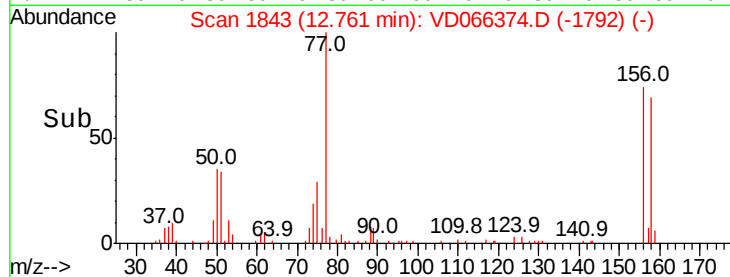
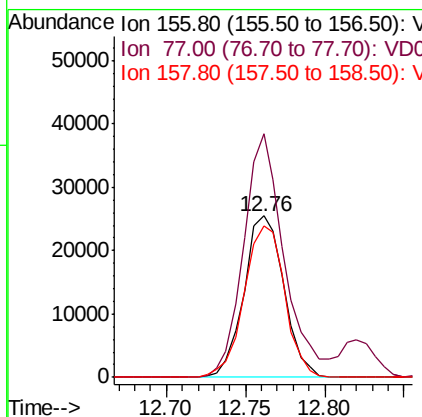
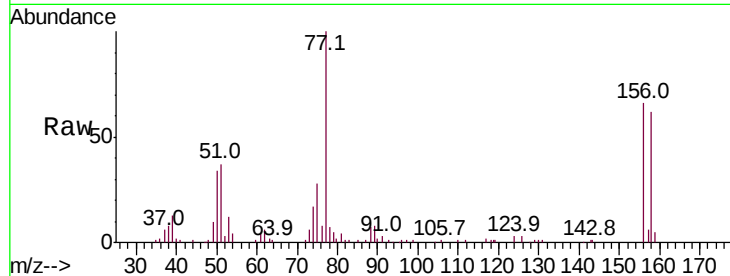




#77
Bromobenzene
Concen: 18.808 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

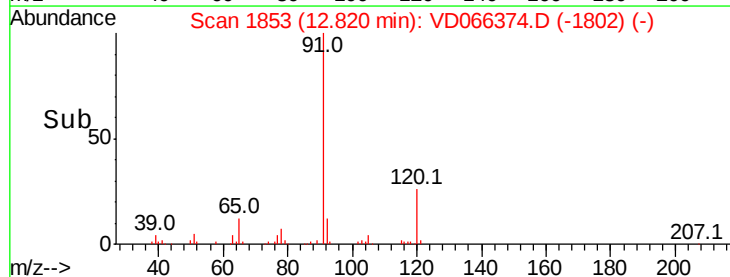
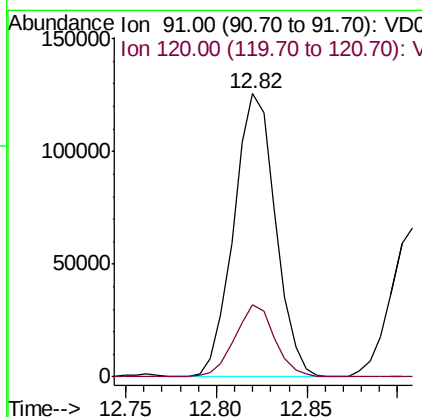
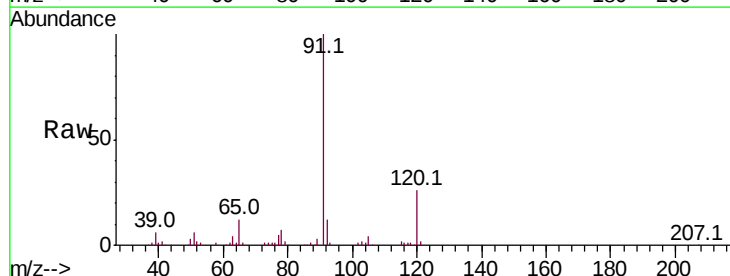
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

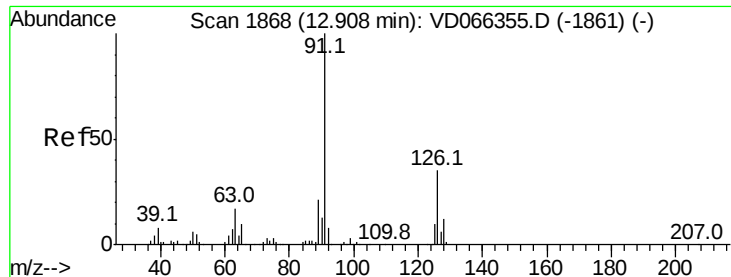
Tot Ion:156 Resp: 44607
Ion Ratio Lower Upper
156 100
77 153.4 76.1 228.3
158 95.2 47.6 142.9



#78
n-propylbenzene
Concen: 18.701 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066374.D
Acq: 24 Aug 2020 12:01

Tgt Ion: 91 Resp: 200374
Ion Ratio Lower Upper
91 100
120 24.2 12.0 36.0





#79

2-Chlorotoluene

Concen: 18.165 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

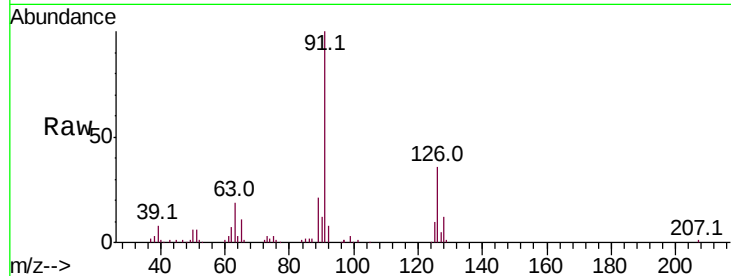
VD0824SBS01

Tot Ion: 91 Resp: 111159

Ion Ratio Lower Upper

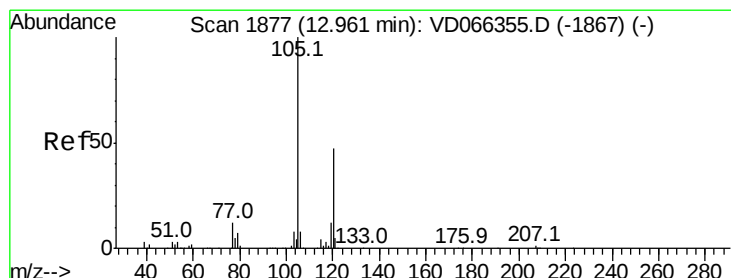
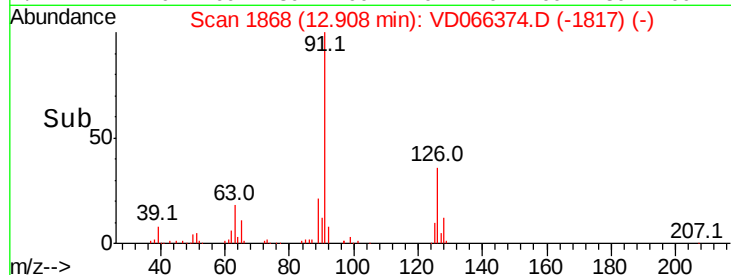
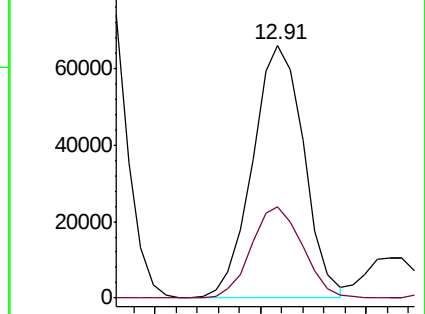
91 100

126 36.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VD066355.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066355.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.741 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066374.D

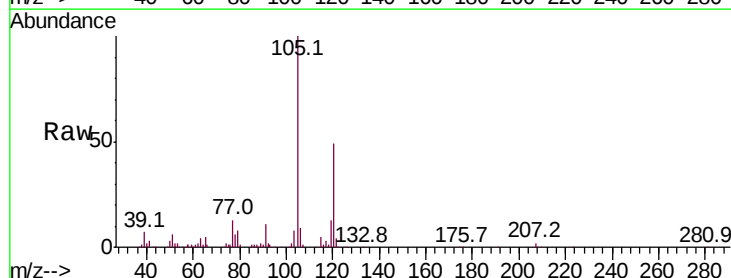
Acq: 24 Aug 2020 12:01

Tgt Ion:105 Resp: 151208

Ion Ratio Lower Upper

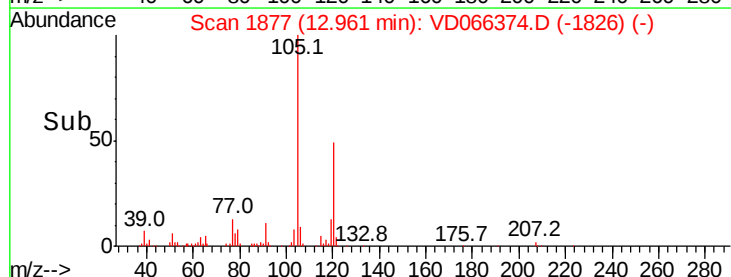
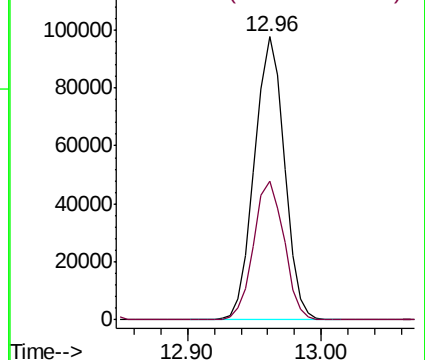
105 100

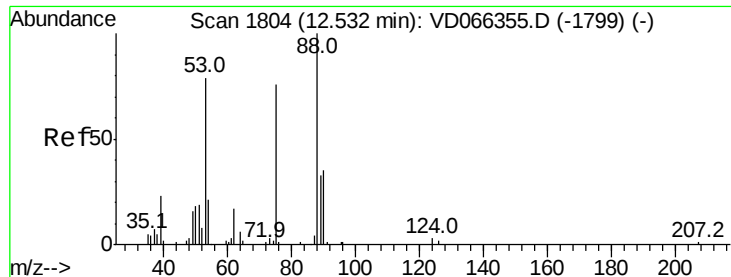
120 49.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VD066355.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD066355.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.170 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

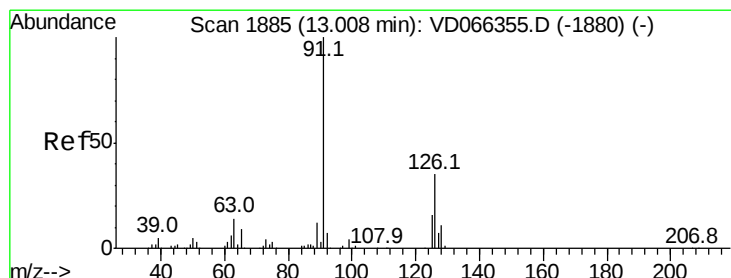
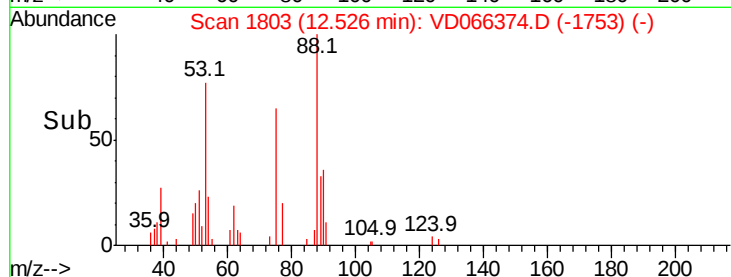
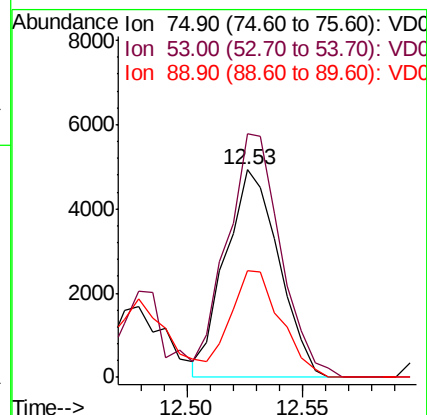
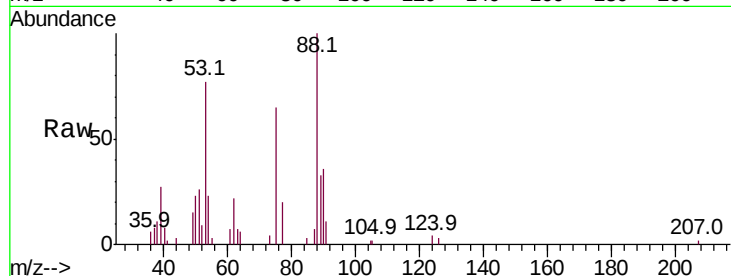
Tot Ion: 75 Resp: 7938

Ion Ratio Lower Upper

75 100

53 118.5 87.4 131.2

89 48.3 39.4 59.0



#82

4-Chlorotoluene

Concen: 18.548 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066374.D

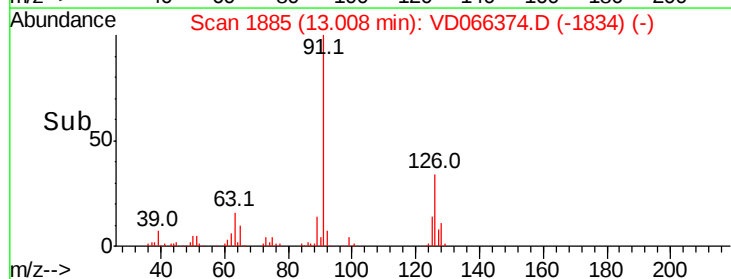
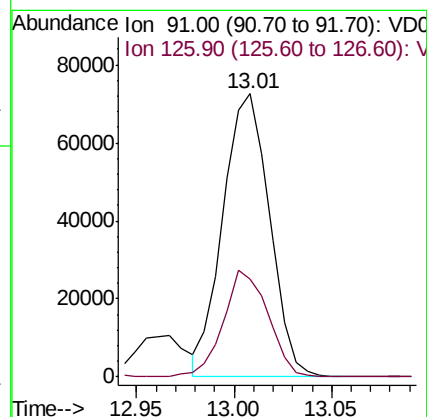
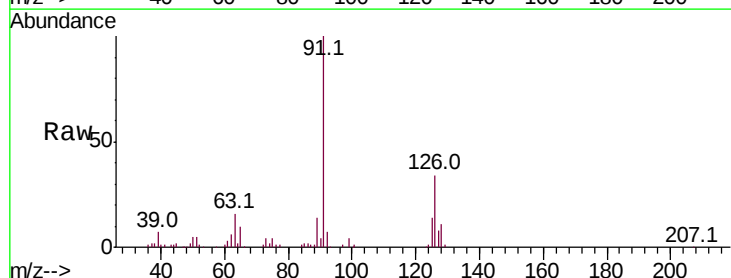
Acq: 24 Aug 2020 12:01

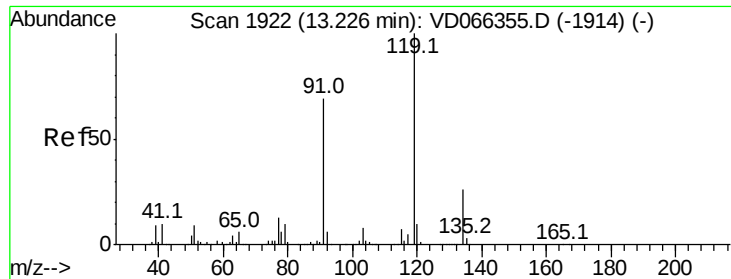
Tgt Ion: 91 Resp: 120255

Ion Ratio Lower Upper

91 100

126 36.2 17.4 52.2





#83

tert-Butylbenzene

Concen: 18.473 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

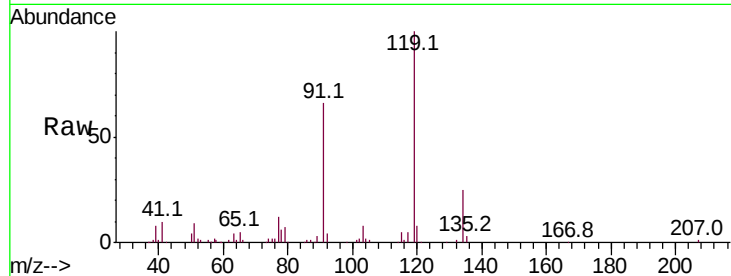
Tot Ion:119 Resp: 129456

Ion Ratio Lower Upper

119 100

91 67.9 33.5 100.5

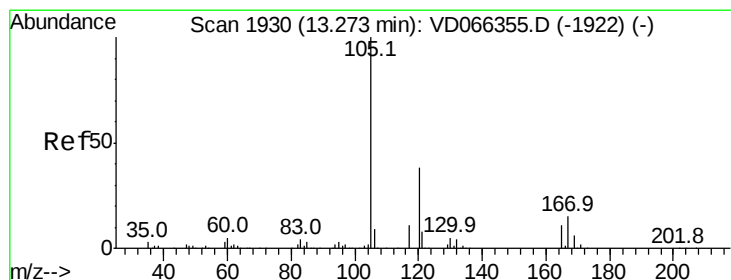
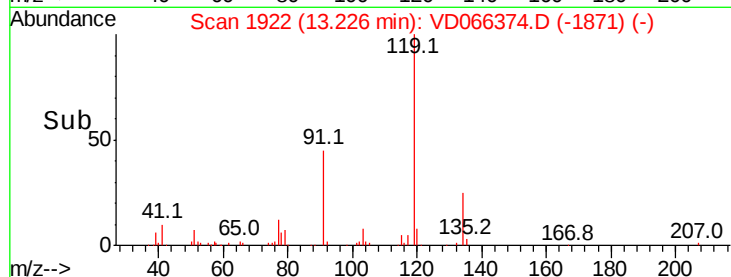
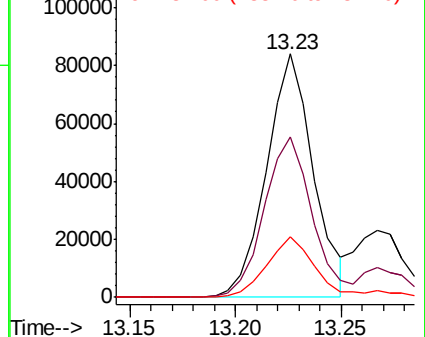
134 26.9 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.001 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066374.D

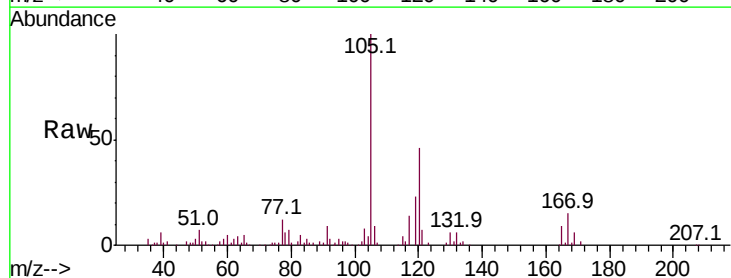
Acq: 24 Aug 2020 12:01

Tgt Ion:105 Resp: 150577

Ion Ratio Lower Upper

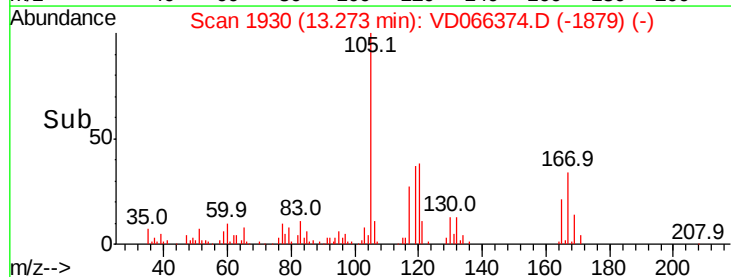
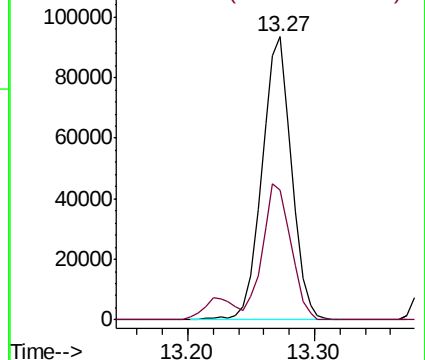
105 100

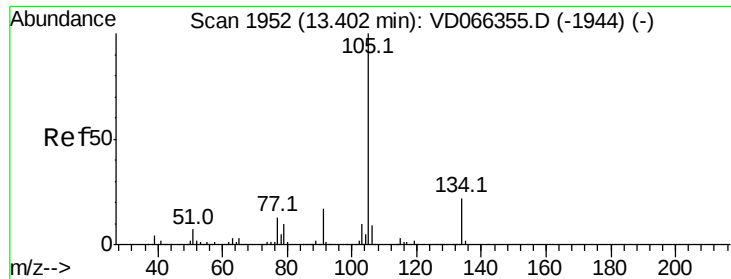
120 46.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.345 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

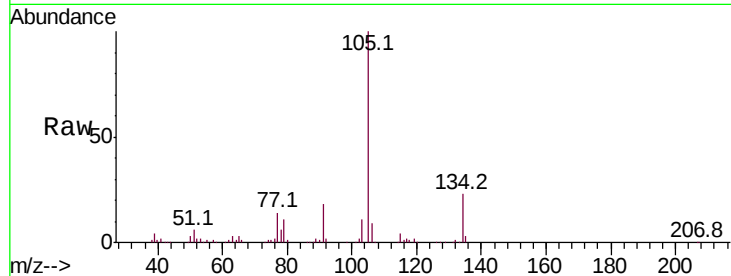
VD0824SBS01

Tot Ion:105 Resp: 168438

Ion Ratio Lower Upper

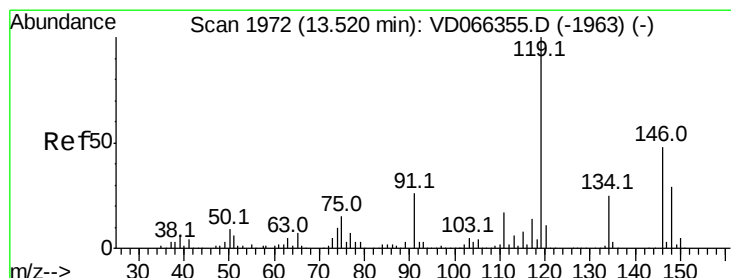
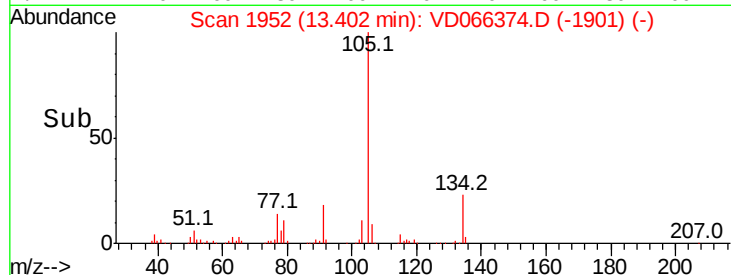
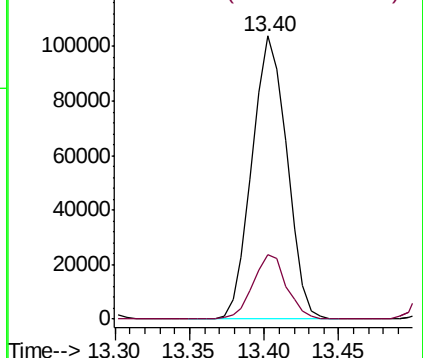
105 100

134 21.9 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.109 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

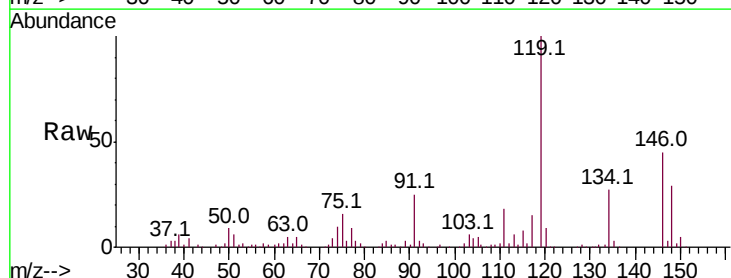
Tgt Ion:119 Resp: 169178

Ion Ratio Lower Upper

119 100

134 26.7 12.8 38.3

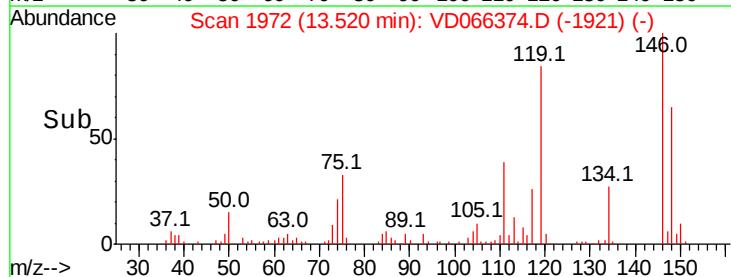
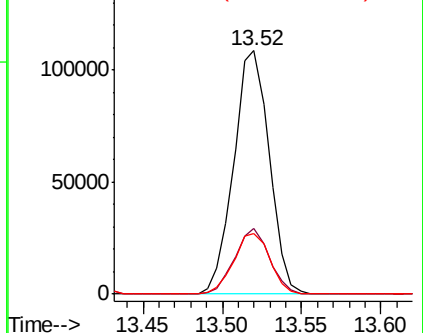
91 25.5 12.7 38.0

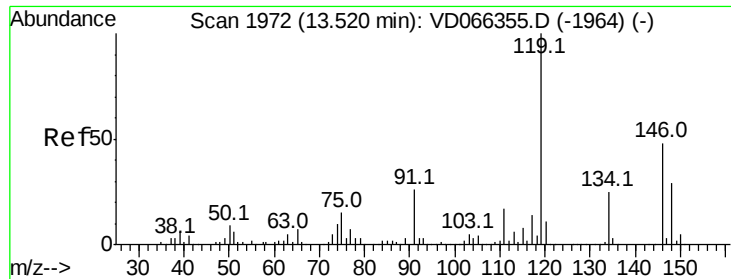


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

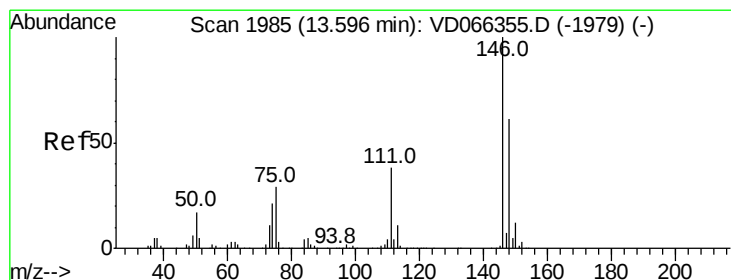
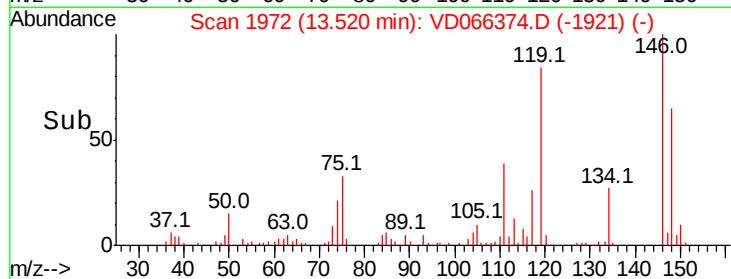
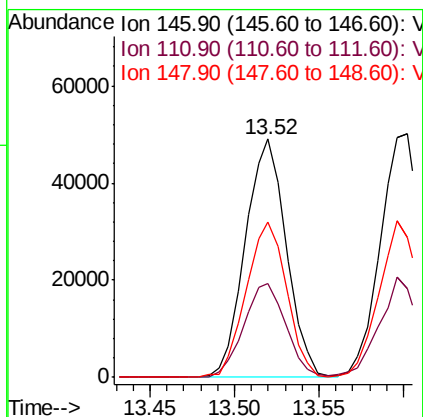
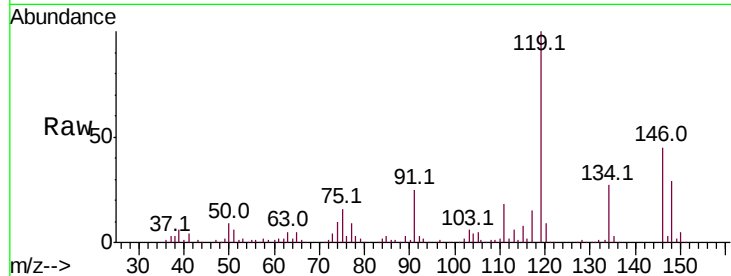




#87
 1,3-Dichlorobenzene
 Concen: 18.705 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

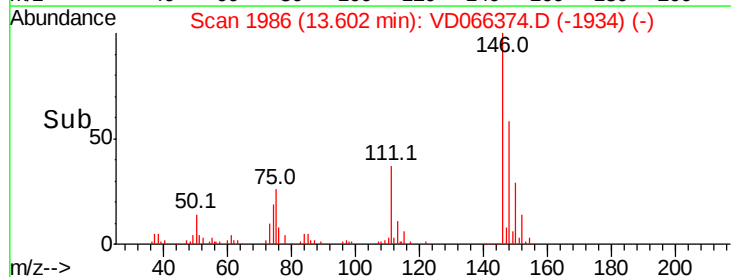
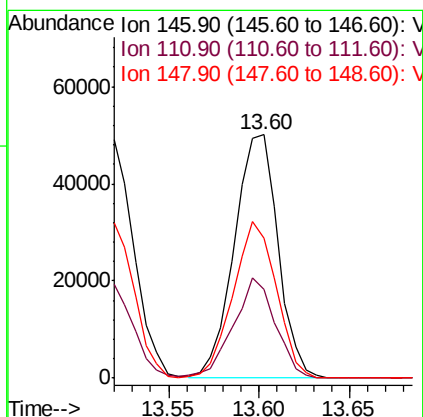
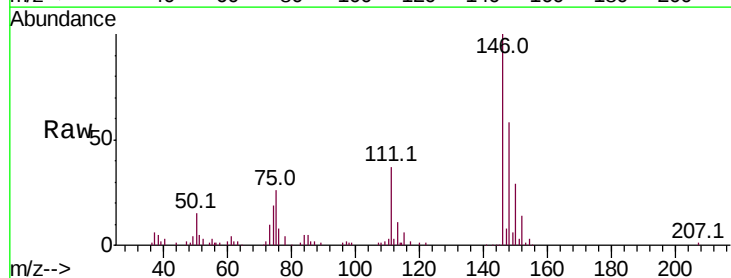
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

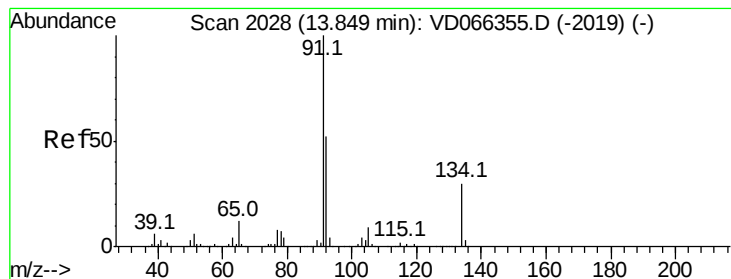
Tot Ion:146 Resp: 82812
 Ion Ratio Lower Upper
 146 100
 111 40.2 18.9 56.9
 148 64.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.952 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

Tgt Ion:146 Resp: 84248
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.1 57.5
 148 63.8 32.1 96.3





#89

n-Butylbenzene

Concen: 18.183 ug/l

RT: 13.84 min Scan# 2027

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

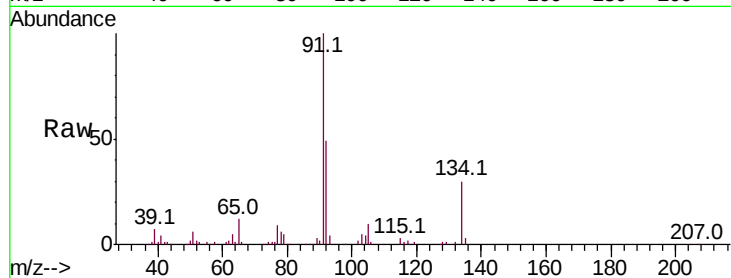
Tot Ion: 91 Resp: 142057

Ion Ratio Lower Upper

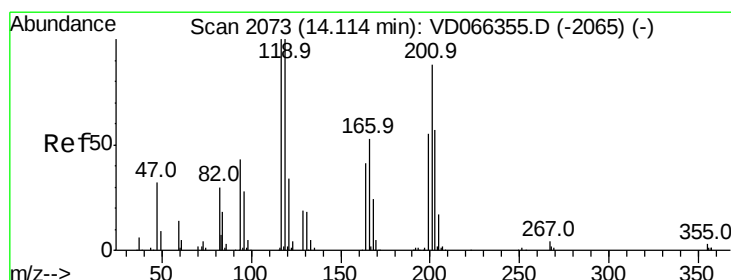
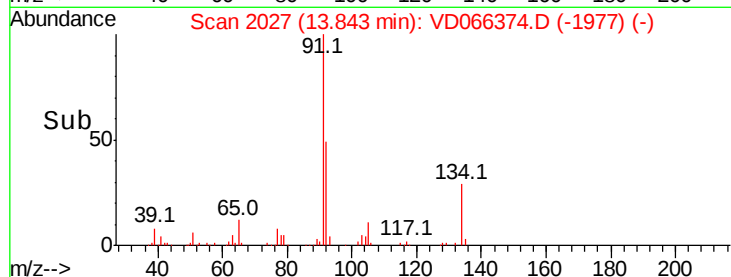
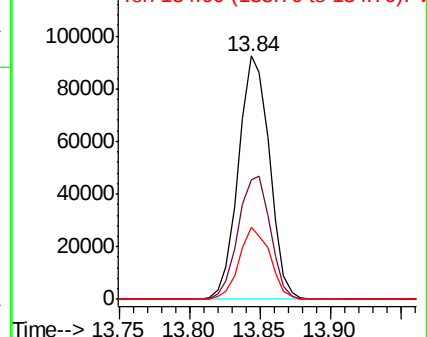
91 100

92 52.7 26.4 79.0

134 29.2 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 17.842 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VD066374.D

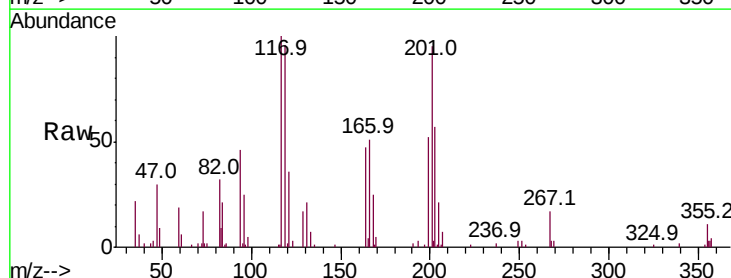
Acq: 24 Aug 2020 12:01

Tgt Ion: 117 Resp: 31204

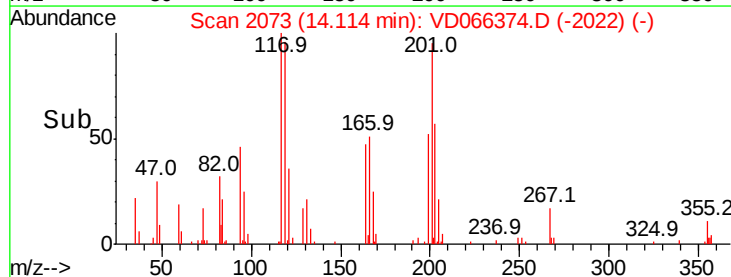
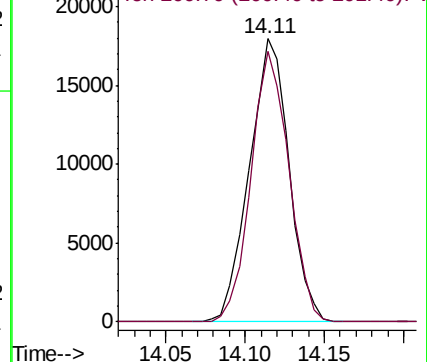
Ion Ratio Lower Upper

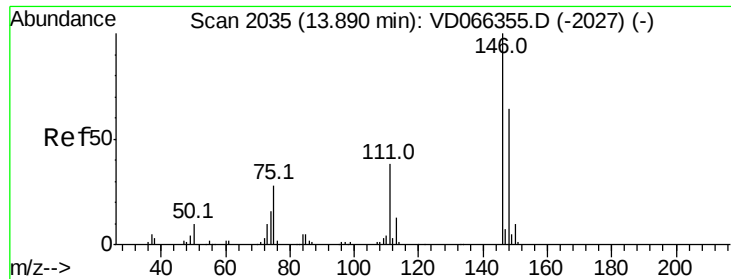
117 100

201 91.2 45.4 136.2



Abundance Ion 116.80 (116.50 to 117.50): VDC
Ion 200.70 (200.40 to 201.40): VDC





#91

1,2-Dichlorobenzene

Concen: 19.139 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

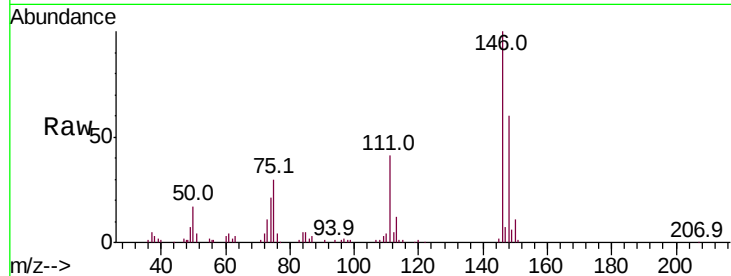
Tot Ion:146 Resp: 72944

Ion Ratio Lower Upper

146 100

111 41.3 19.9 59.7

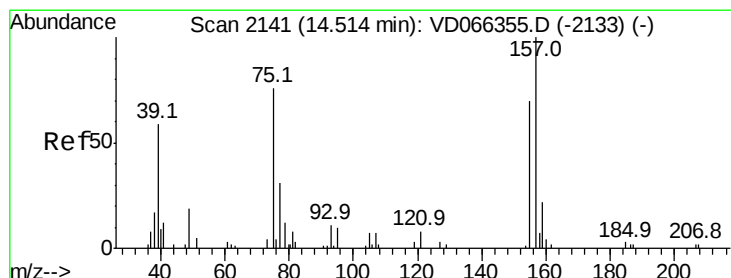
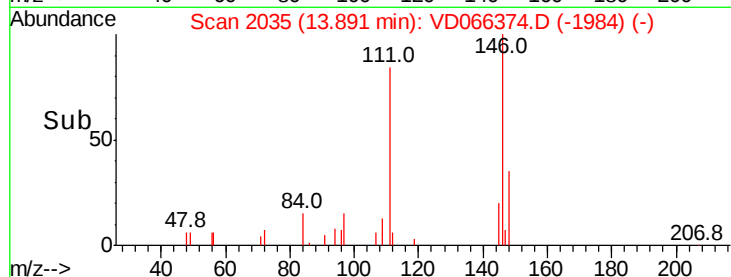
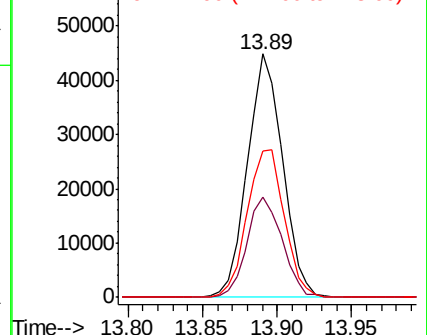
148 64.1 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.230 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

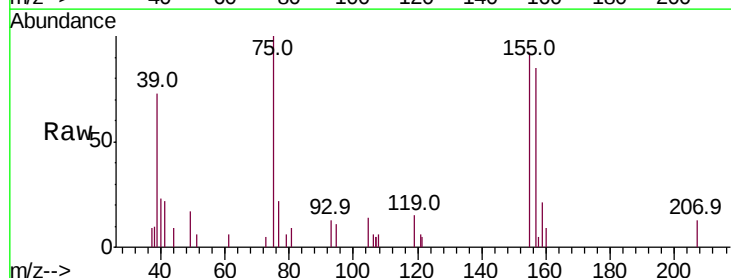
Tgt Ion: 75 Resp: 5384

Ion Ratio Lower Upper

75 100

155 89.2 46.9 140.6

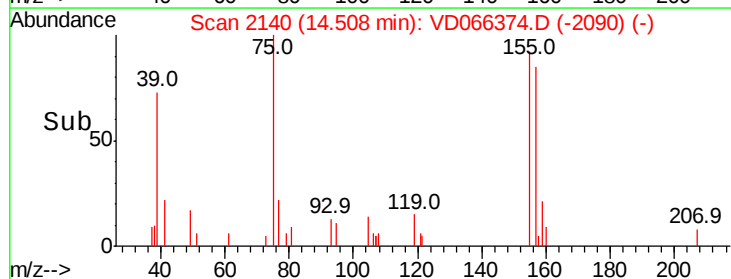
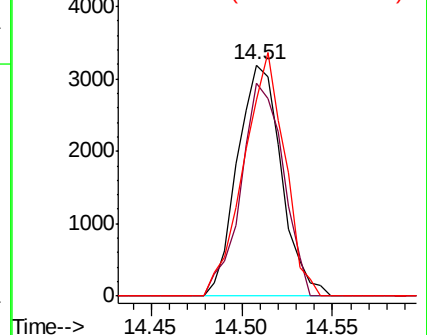
157 98.1 61.0 183.0

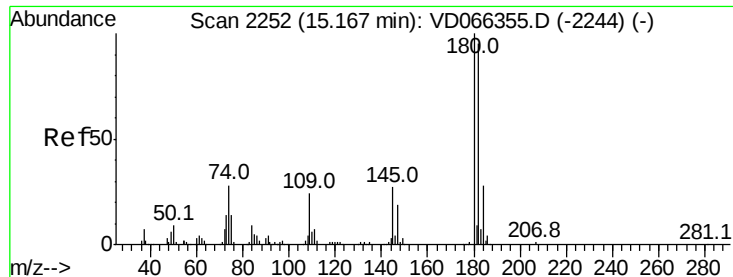


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

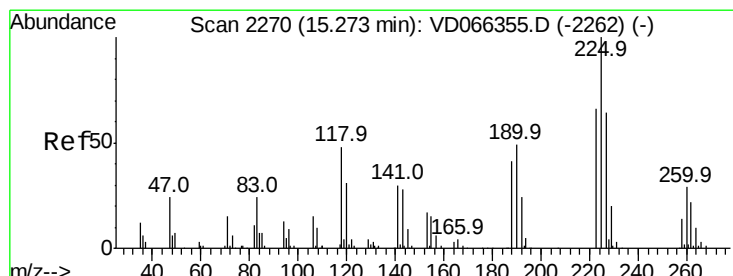
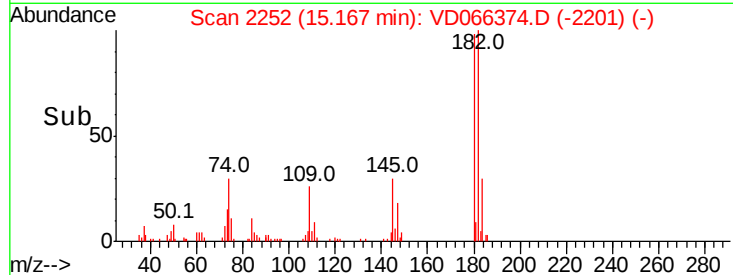
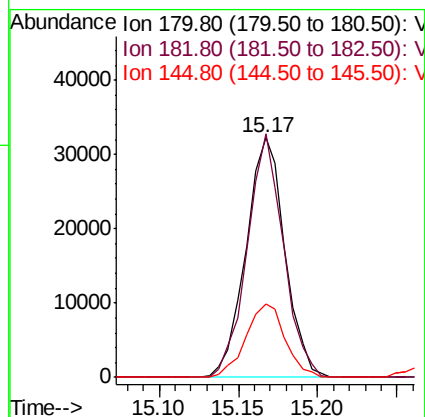
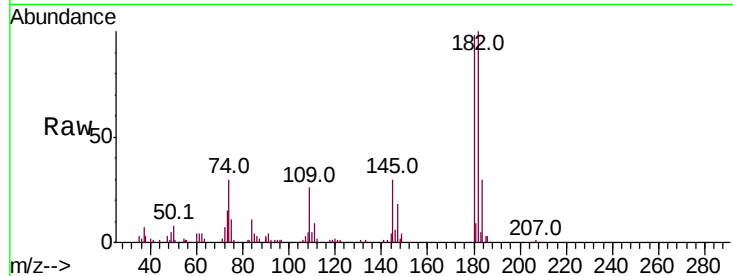




#93
 1,2,4-Trichlorobenzene
 Concen: 18.429 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

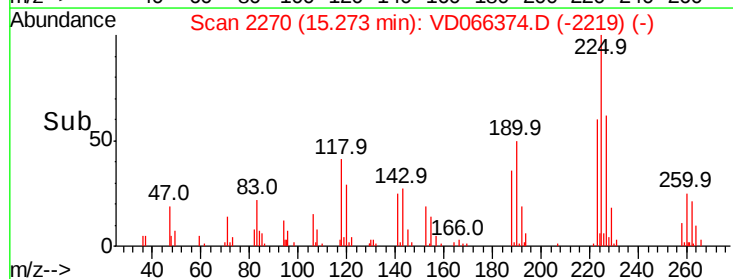
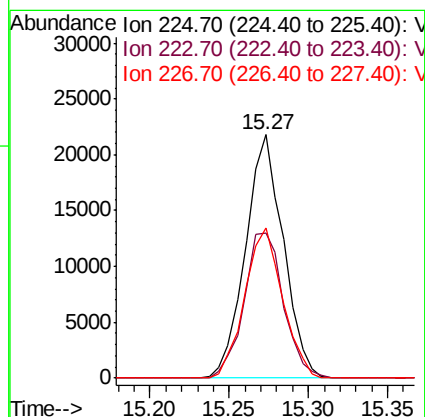
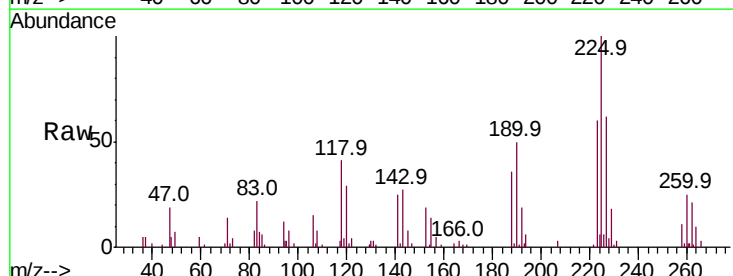
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

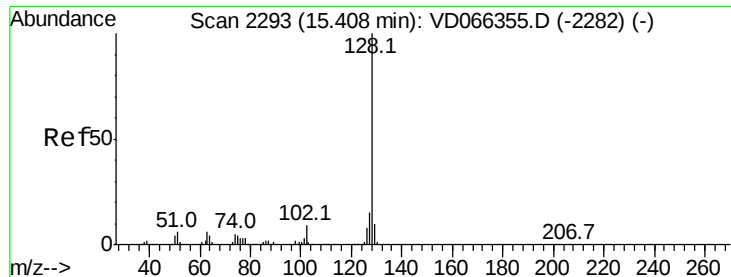
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.0
145	31.0	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 19.538 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066374.D
 Acq: 24 Aug 2020 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.5	97.4
227	61.6	33.0	98.9





#95

Naphthalene

Concen: 17.886 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

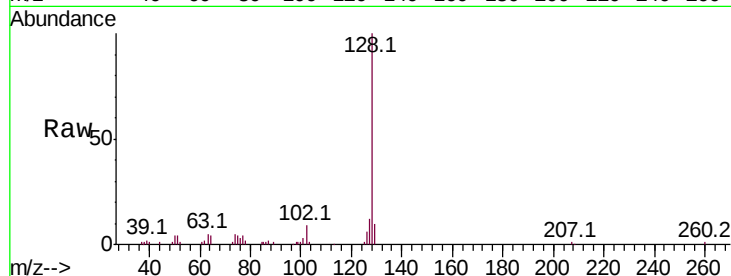
Tot Ion:128 Resp: 83588

Ion Ratio Lower Upper

128 100

127 12.6 10.7 16.1

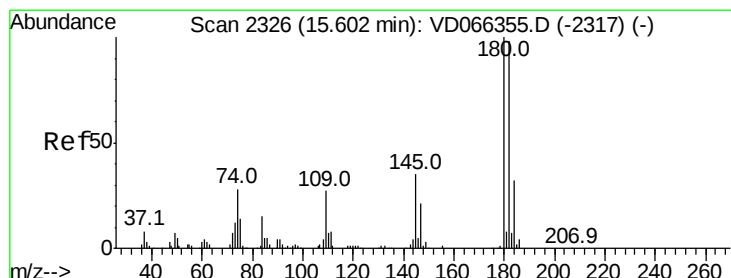
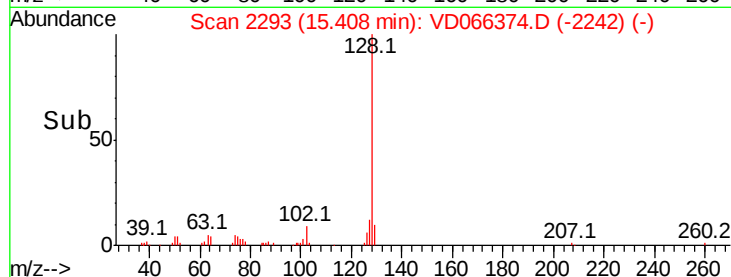
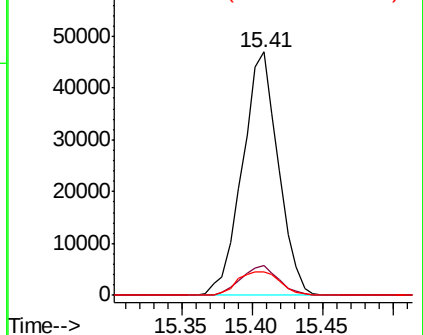
129 11.5 8.6 12.8



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: 18.875 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066374.D

Acq: 24 Aug 2020 12:01

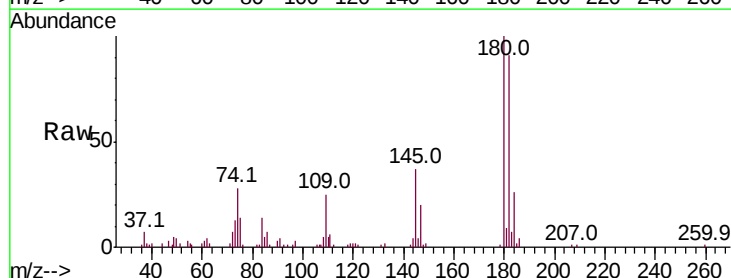
Tgt Ion:180 Resp: 48110

Ion Ratio Lower Upper

180 100

182 93.3 46.7 140.0

145 32.7 16.0 48.0



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

