

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042420\
 Data File : VD065673.D
 Acq On : 24 Apr 2020 13:02
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 24 14:05:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	210162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	288743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	274275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	146471	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	40261	18.46	ug/l	0.00
Spiked Amount			Recovery	=	36.92%	
35) Dibromofluoromethane	7.92	113	40402	20.09	ug/l	0.00
Spiked Amount			Recovery	=	40.18%	
50) Toluene-d8	10.34	98	148045	21.11	ug/l	0.00
Spiked Amount			Recovery	=	42.22%	
62) 4-Bromofluorobenzene	12.64	95	47825	21.10	ug/l	0.00
Spiked Amount			Recovery	=	42.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	31403	16.656	ug/l	97
3) Chloromethane	2.21	50	43561	18.453	ug/l	97
4) Vinyl Chloride	2.35	62	46348	17.772	ug/l	92
5) Bromomethane	2.75	94	28084	17.572	ug/l	94
6) Chloroethane	2.91	64	27908	17.637	ug/l	96
7) Trichlorofluoromethane	3.27	101	62719	17.141	ug/l	97
8) Diethyl Ether	3.71	74	18778	17.650	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	37583	17.285	ug/l	99
10) Methyl Iodide	4.29	142	26722	18.561	ug/l	98
11) Tert butyl alcohol	5.25	59	9546	100.754	ug/l #	73
12) 1,1-Dichloroethene	4.05	96	37734	17.427	ug/l	97
13) Acrolein	3.93	56	13265	85.738	ug/l	98
14) Allyl chloride	4.70	41	56797	20.005	ug/l	94
15) Acrylonitrile	5.43	53	41610	106.555	ug/l	97
16) Acetone	4.16	43	43939	86.994	ug/l	99
17) Carbon Disulfide	4.39	76	103524	18.163	ug/l	99
18) Methyl Acetate	4.73	43	21533	19.763	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	71743	20.633	ug/l	99
20) Methylene Chloride	4.96	84	44257	20.123	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	41383	20.534	ug/l	97
22) Diisopropyl ether	6.37	45	126186	21.975	ug/l	96
23) Vinyl Acetate	6.31	43	328293	107.510	ug/l	99
24) 1,1-Dichloroethane	6.26	63	78237	20.444	ug/l	100
25) 2-Butanone	7.23	43	54175	101.713	ug/l	97
26) 2,2-Dichloropropane	7.21	77	67186	18.856	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	44093	20.523	ug/l	98
28) Bromochloromethane	7.55	49	32722	20.832	ug/l	98
29) Tetrahydrofuran	7.57	42	33351	105.377	ug/l	99
30) Chloroform	7.71	83	78338	19.172	ug/l	99
31) Cyclohexane	7.98	56	68588	18.992	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	69636	18.740	ug/l	98
36) 1,1-Dichloropropene	8.11	75	60660	19.914	ug/l	98
37) Ethyl Acetate	7.30	43	24348	20.580	ug/l	100
38) Carbon Tetrachloride	8.10	117	66655	19.045	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	64239	20.509	ug/l	99
40) Benzene	8.35	78	172999	20.683	ug/l	98
41) Methacrylonitrile	7.53	41	12642	20.520	ug/l #	99
42) 1,2-Dichloroethane	8.43	62	50318	19.176	ug/l	97
43) Isopropyl Acetate	8.46	43	44028	20.417	ug/l	99
44) Trichloroethene	9.11	130	48356	20.447	ug/l	97
45) 1,2-Dichloropropane	9.39	63	43811	20.558	ug/l	100
46) Dibromomethane	9.48	93	22028	19.941	ug/l	94
47) Bromodichloromethane	9.67	83	60669	19.989	ug/l	100
48) Methyl methacrylate	9.46	41	20605	19.672	ug/l	91
49) 1,4-Dioxane	9.47	88	4965	431.543	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	117425	106.206	ug/l	99
52) Toluene	10.41	92	107908	21.248	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	52522	20.513	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	64342	20.746	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	32249	20.831	ug/l	93
56) Ethyl methacrylate	10.67	69	31742	21.980	ug/l	91
57) 1,3-Dichloropropane	10.95	76	53656	20.901	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	84302	108.996	ug/l	99
59) 2-Hexanone	10.99	43	79612	106.169	ug/l	99
60) Dibromochloromethane	11.14	129	41763	20.205	ug/l	95
61) 1,2-Dibromoethane	11.25	107	29673	20.847	ug/l	100
64) Tetrachloroethene	10.88	164	42263	20.041	ug/l	96
65) Chlorobenzene	11.68	112	115525	19.780	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	45147	20.008	ug/l	98
67) Ethyl Benzene	11.75	91	194650	20.653	ug/l	100
68) m/p-Xylenes	11.86	106	157039	42.768	ug/l	95
69) o-Xylene	12.18	106	65900	21.416	ug/l	93
70) Styrene	12.20	104	120971	21.706	ug/l	99
71) Bromoform	12.37	173	25270	20.026	ug/l #	100
73) Isopropylbenzene	12.48	105	180614	21.137	ug/l	99
74) N-amyl acetate	12.30	43	39272	20.393	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	35021	20.370	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	44954	34.682	ug/l #	100
77) Bromobenzene	12.77	156	48555	20.518	ug/l	98
78) n-propylbenzene	12.83	91	229070	21.353	ug/l	100
79) 2-Chlorotoluene	12.91	91	127405	20.478	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	158130	21.588	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	11626	22.387	ug/l	90
82) 4-Chlorotoluene	13.01	91	141068	20.856	ug/l	98
83) tert-Butylbenzene	13.23	119	124333	21.073	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	156231	21.522	ug/l	100
85) sec-Butylbenzene	13.41	105	179035	20.637	ug/l	100
86) p-Isopropyltoluene	13.53	119	175311	21.575	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	96072	20.531	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	94257	19.885	ug/l	98
89) n-Butylbenzene	13.86	91	155447	20.661	ug/l	99
90) Hexachloroethane	14.12	117	37076	19.357	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	83481	20.582	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5252	19.573	ug/l	88

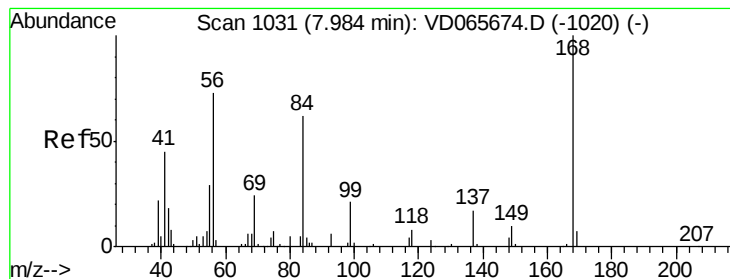
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	54728	21.545	ug/l	98
94) Hexachlorobutadiene	15.28	225	39212	19.940	ug/l	99
95) Naphthalene	15.41	128	74950	21.369	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	47196	20.694	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

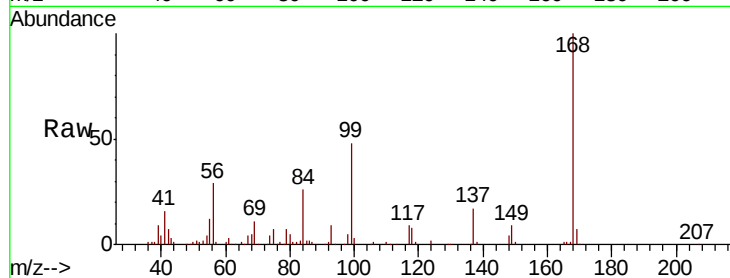
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 210162

Ion Ratio Lower Upper

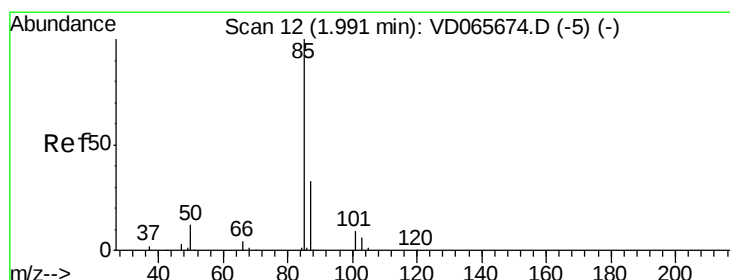
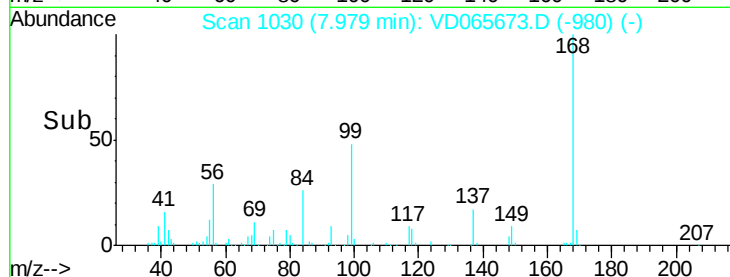
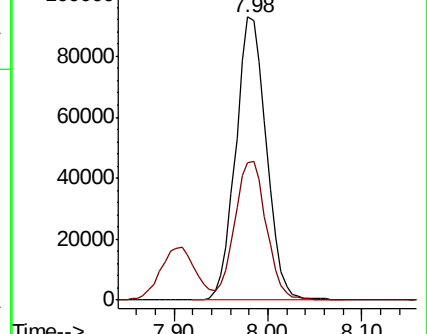
168 100

99 48.3 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 16.656 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065673.D

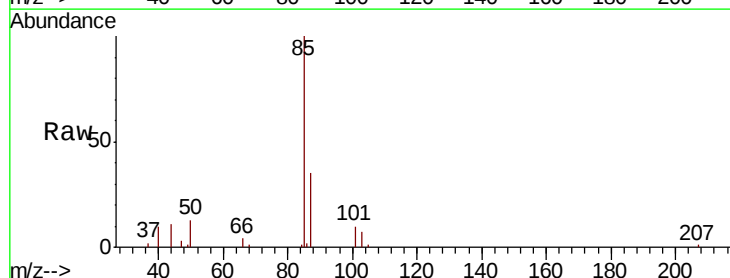
Acq: 24 Apr 2020 13:02

Tgt Ion: 85 Resp: 31403

Ion Ratio Lower Upper

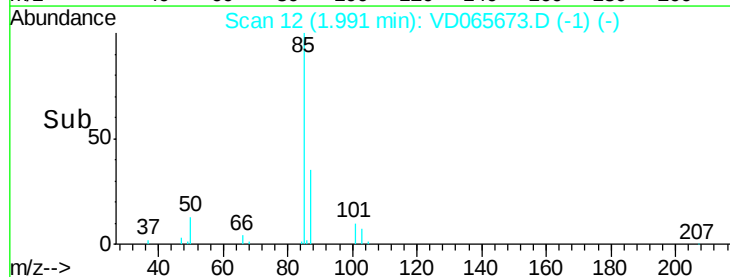
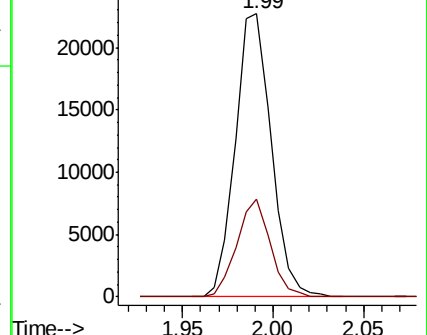
85 100

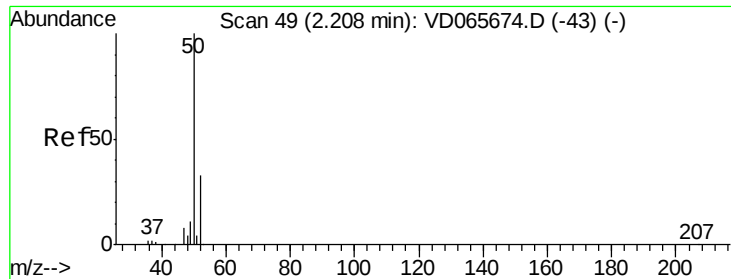
87 34.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.453 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

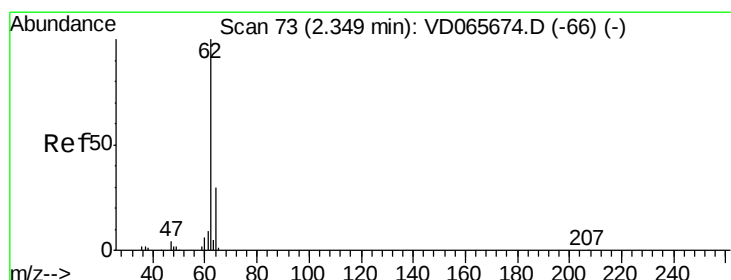
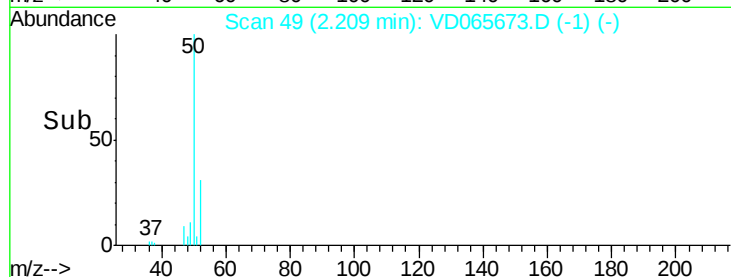
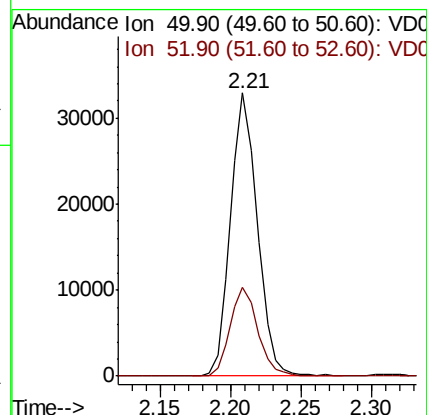
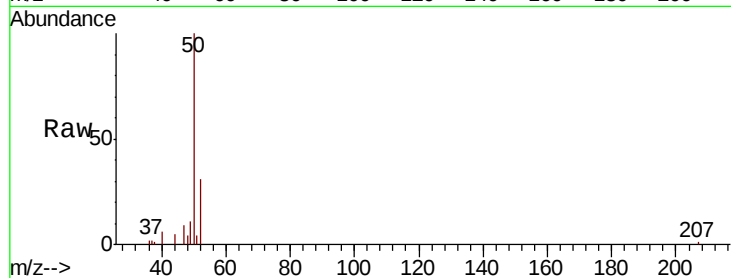
ClientSampleId :

Tot Ion: 50 Resp: 43561

Ion Ratio Lower Upper

50 100

52 31.4 26.5 39.7



#4

Vinyl Chloride

Concen: 17.772 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065673.D

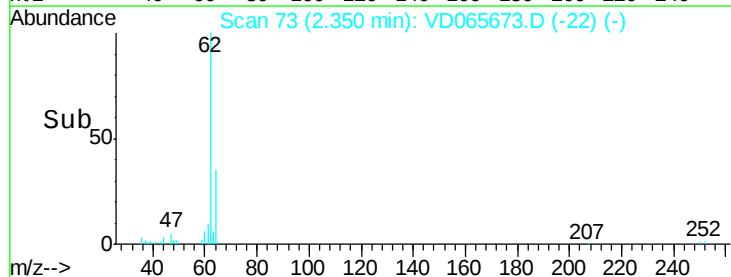
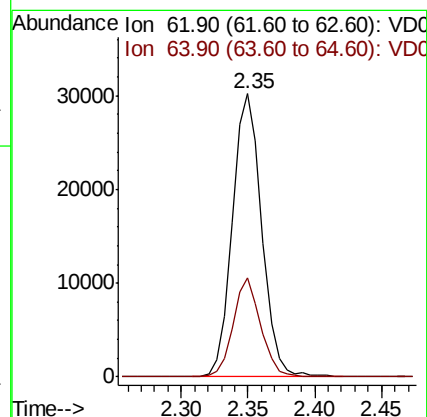
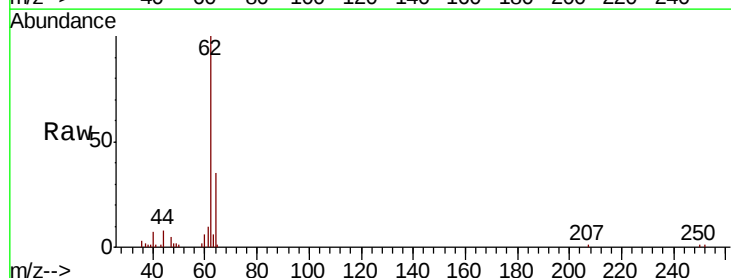
Acq: 24 Apr 2020 13:02

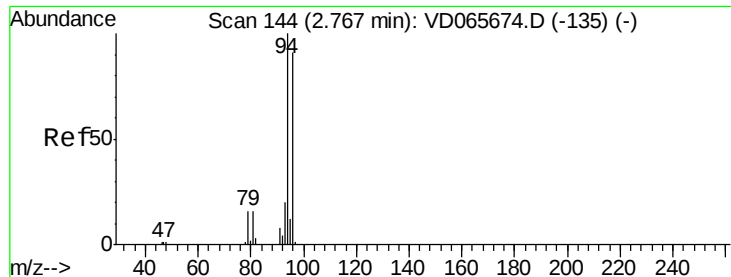
Tgt Ion: 62 Resp: 46348

Ion Ratio Lower Upper

62 100

64 34.9 24.3 36.5





#5

Bromomethane

Concen: 17.572 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

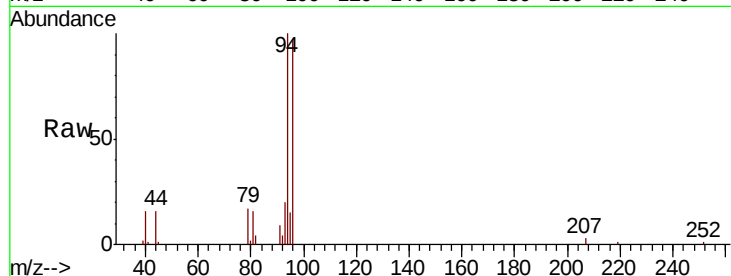
ClientSampleId :

Tot Ion: 94 Resp: 28084

Ion Ratio Lower Upper

94 100

96 96.7 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

15000

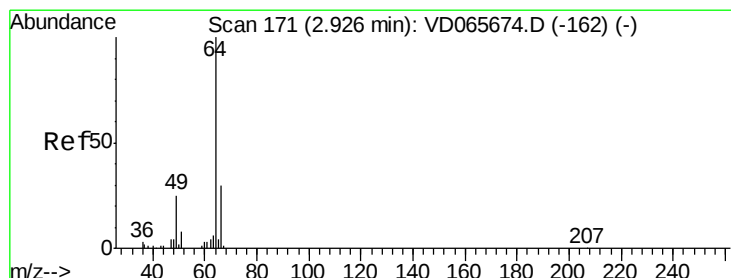
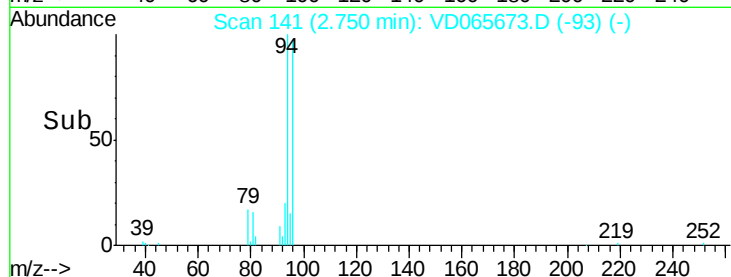
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 17.637 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065673.D

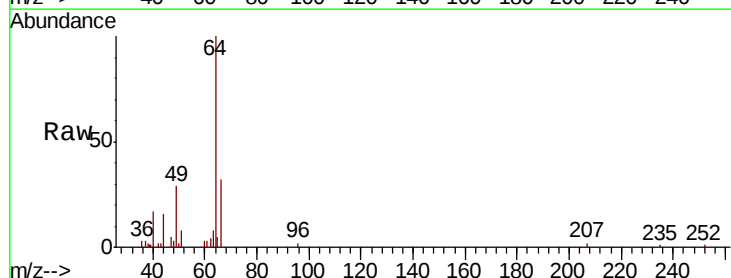
Acq: 24 Apr 2020 13:02

Tgt Ion: 64 Resp: 27908

Ion Ratio Lower Upper

64 100

66 32.3 24.3 36.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

15000

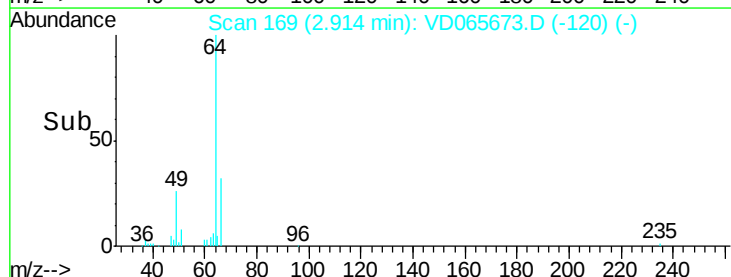
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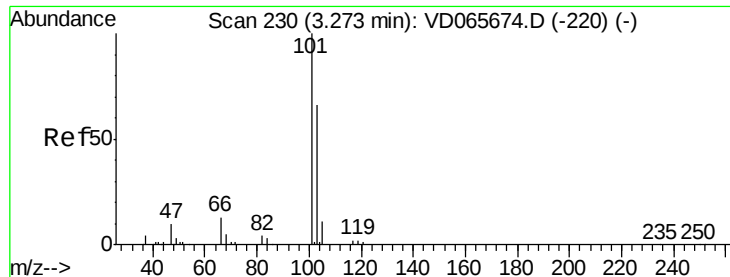
5000

0

Time-->

2.85 2.90 2.95 3.00



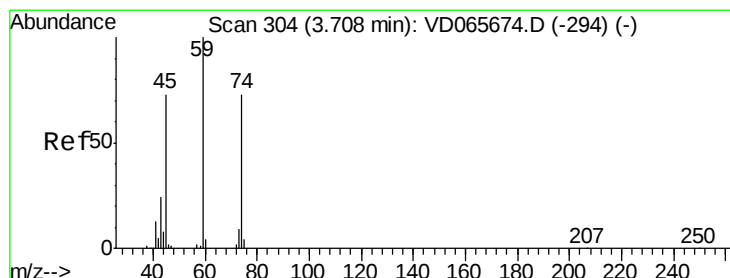
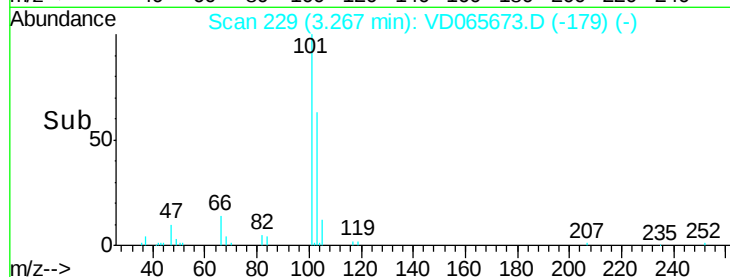
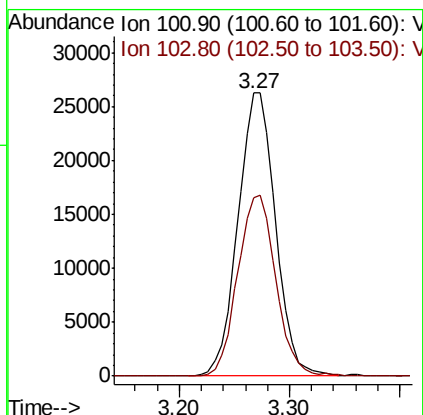
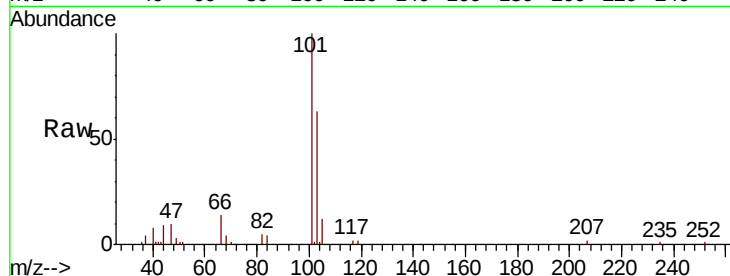


#7

Trichlorofluoromethane
 Concen: 17.141 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Instrument :
 MSVOA_D
 ClientSampled :

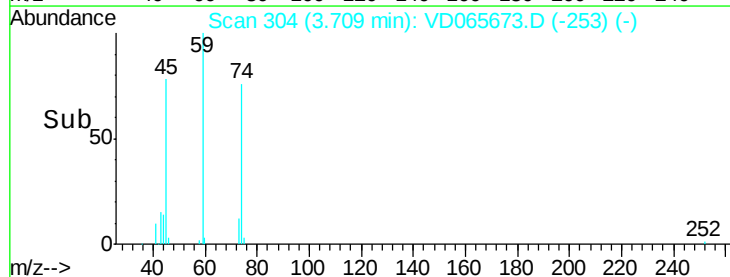
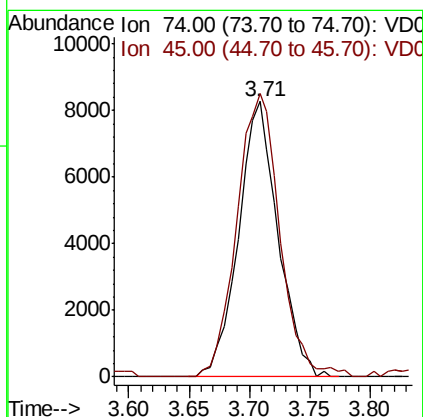
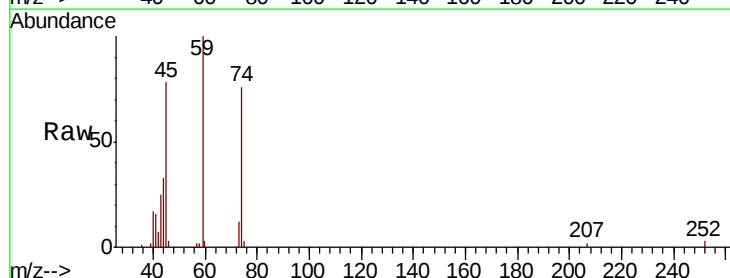
Tot Ion:101 Resp: 62719
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.6 78.8

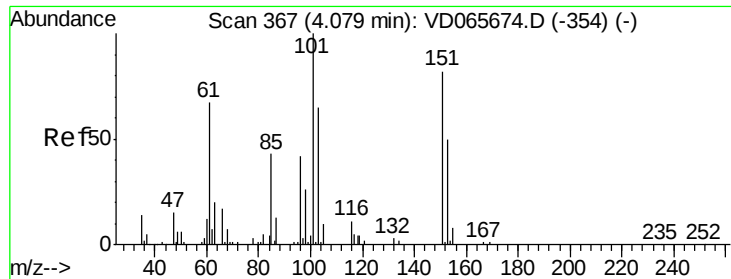


#8

Diethyl Ether
 Concen: 17.650 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Tgt Ion: 74 Resp: 18778
 Ion Ratio Lower Upper
 74 100
 45 112.2 55.0 165.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.285 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.01 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

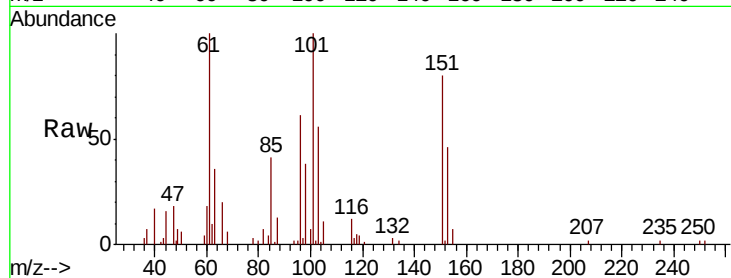
Tot Ion:101 Resp: 37583

Ion Ratio Lower Upper

101 100

85 44.8 35.1 52.7

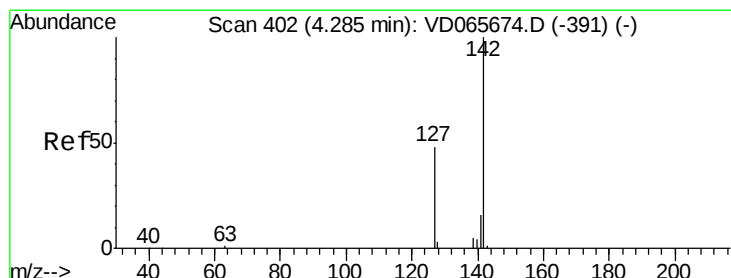
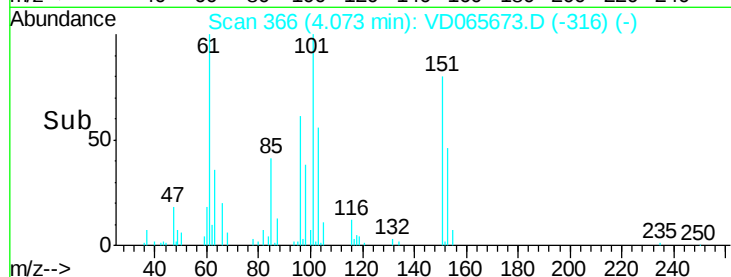
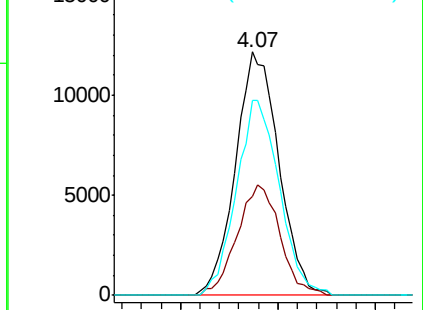
151 79.5 64.1 96.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.561 ug/l

RT: 4.29 min Scan# 402

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

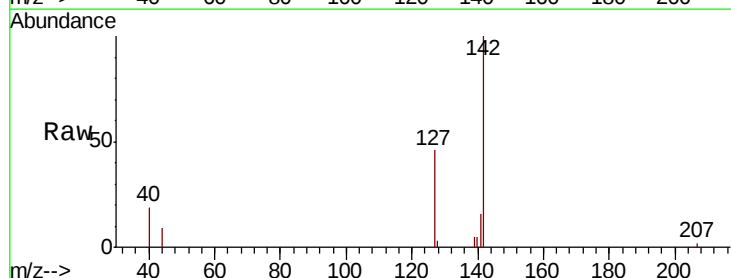
Tgt Ion:142 Resp: 26722

Ion Ratio Lower Upper

142 100

127 47.6 39.0 58.4

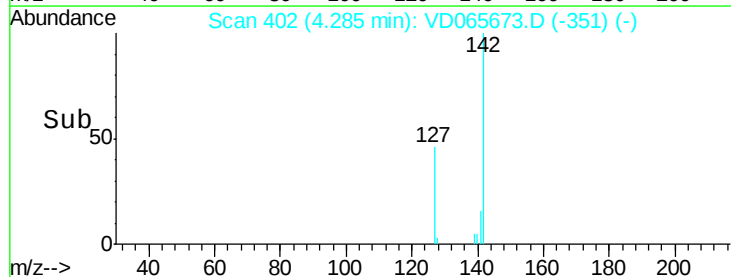
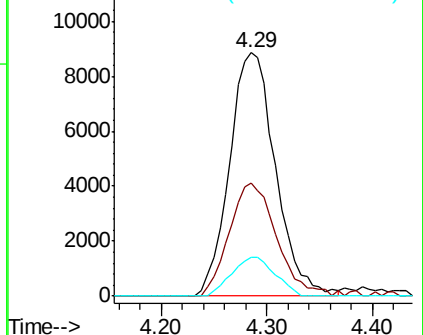
141 15.0 12.4 18.6

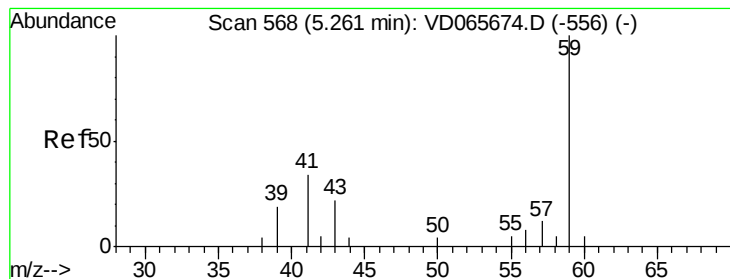


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



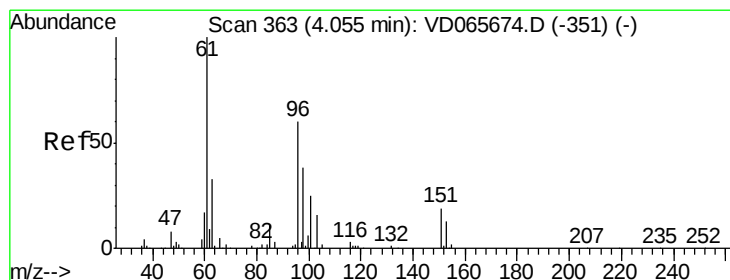
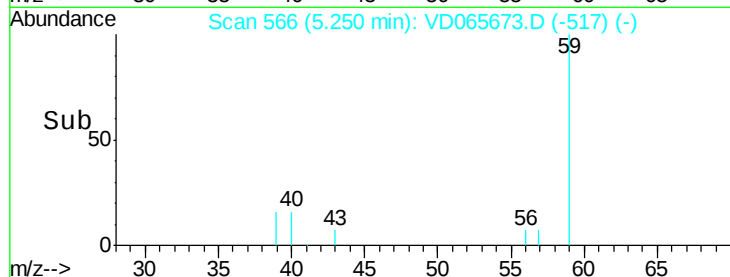
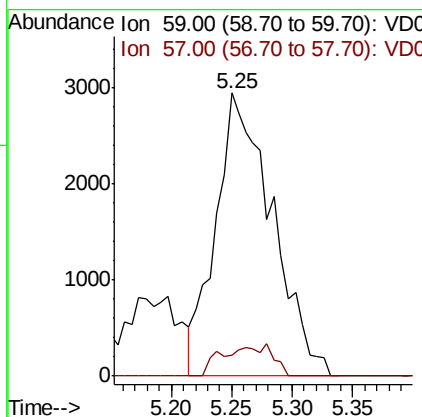
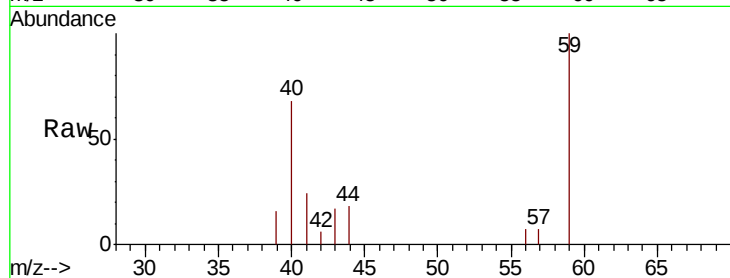


#11

Tert butyl alcohol
 Concen: 100.754 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :

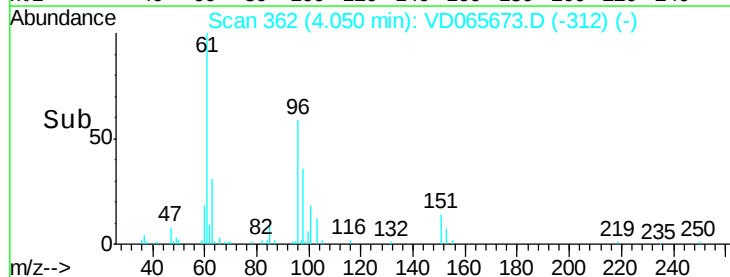
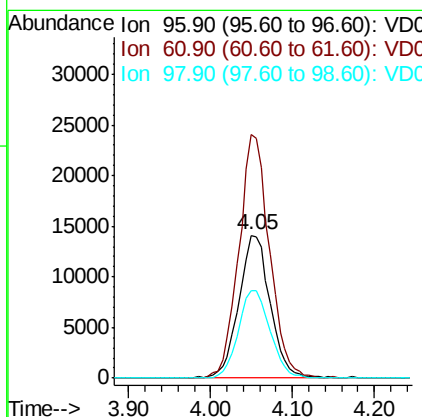
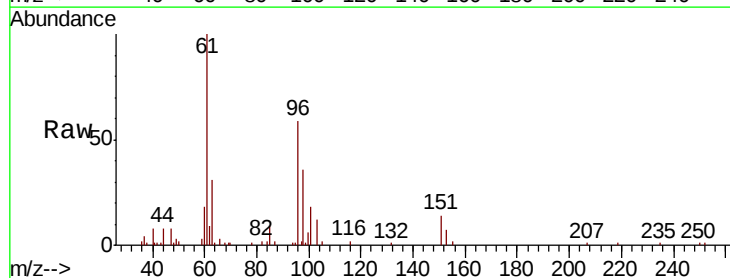
Tot Ion: 59 Resp: 9546
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

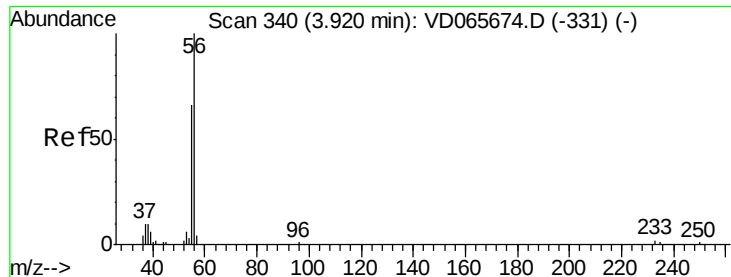


#12

1,1-Dichloroethene
 Concen: 17.427 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Tgt Ion: 96 Resp: 37734
 Ion Ratio Lower Upper
 96 100
 61 170.6 132.8 199.2
 98 61.4 50.7 76.1





#13

Acrolein

Concen: 85.738 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

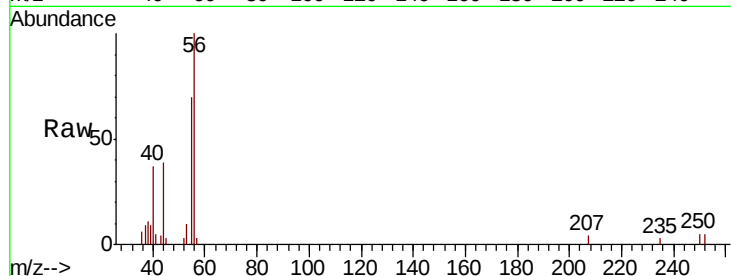
ClientSampleId :

Tot Ion: 56 Resp: 13265

Ion Ratio Lower Upper

56 100

55 74.9 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

6000

5000

4000

3000

2000

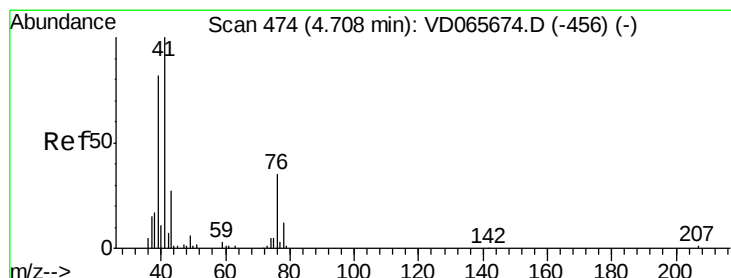
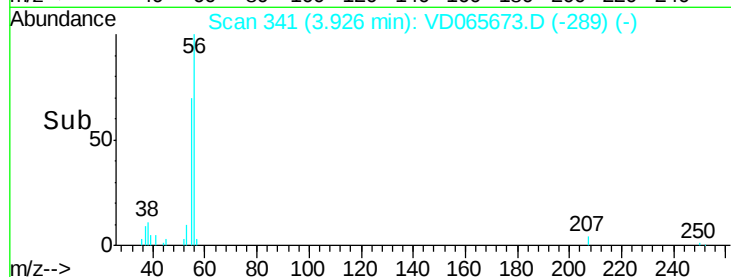
1000

0

Time-->

3.85 3.90 3.95 4.00

3.93



#14

Allyl chloride

Concen: 20.005 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

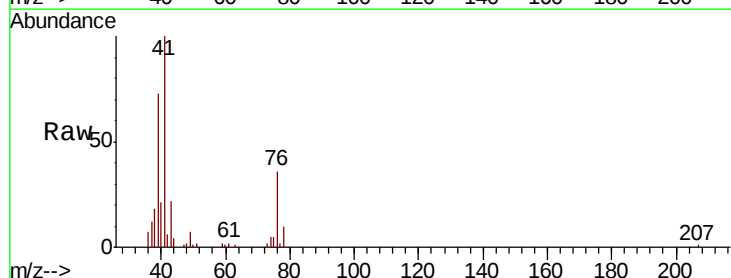
Tgt Ion: 41 Resp: 56797

Ion Ratio Lower Upper

41 100

39 73.0 63.3 94.9

76 33.4 27.8 41.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

25000

20000

15000

10000

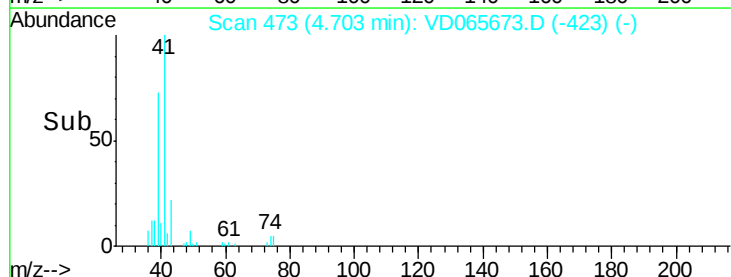
5000

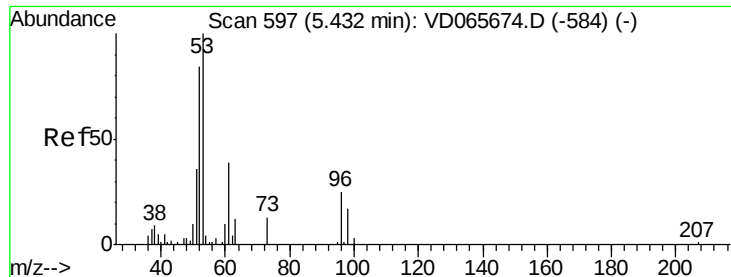
0

Time-->

4.60 4.70 4.80

4.70





#15

Acrylonitrile

Concen: 106.555 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

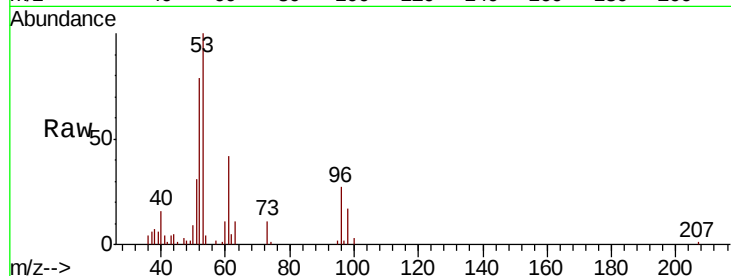
Tot Ion: 53 Resp: 41610

Ion Ratio Lower Upper

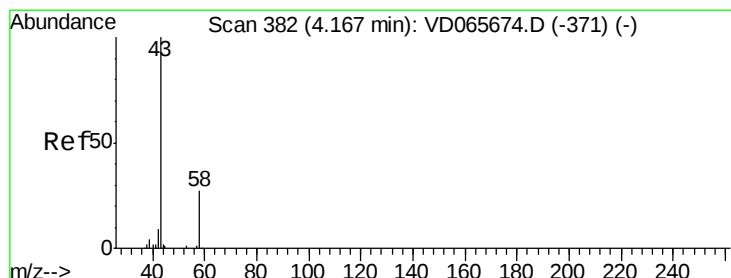
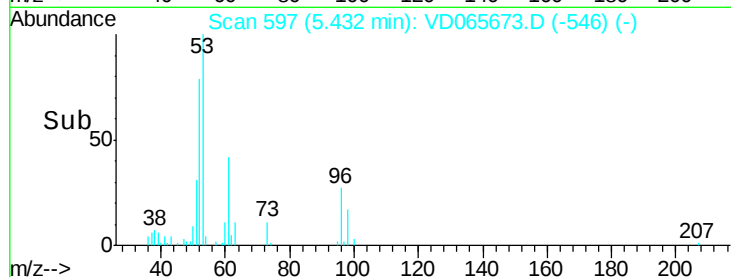
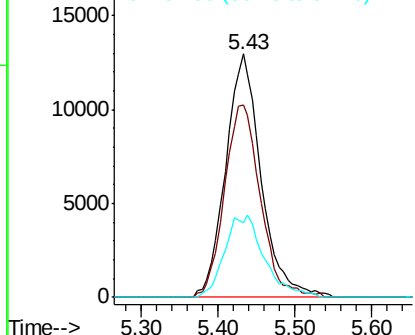
53 100

52 80.3 66.2 99.4

51 37.7 32.0 48.0



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



#16

Acetone

Concen: 86.994 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065673.D

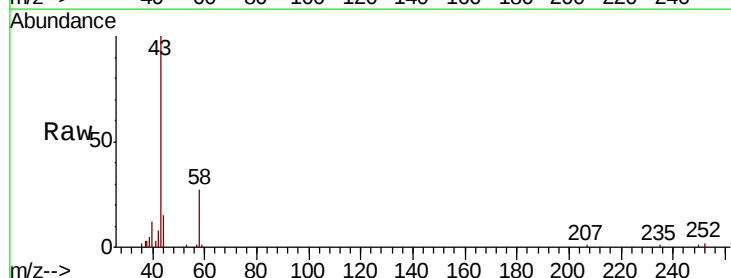
Acq: 24 Apr 2020 13:02

Tgt Ion: 43 Resp: 43939

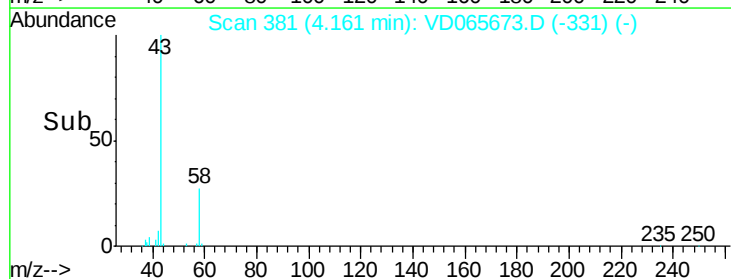
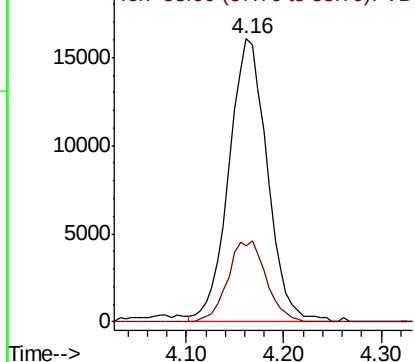
Ion Ratio Lower Upper

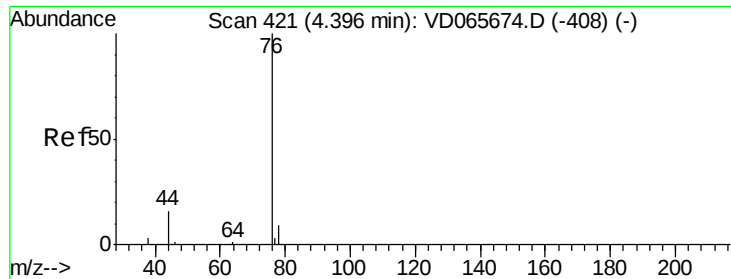
43 100

58 26.9 21.0 31.6



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





#17

Carbon Disulfide

Concen: 18.163 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

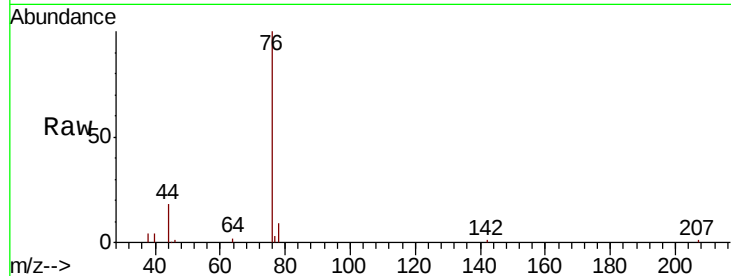
ClientSampleId :

Tot Ion: 76 Resp: 103524

Ion Ratio Lower Upper

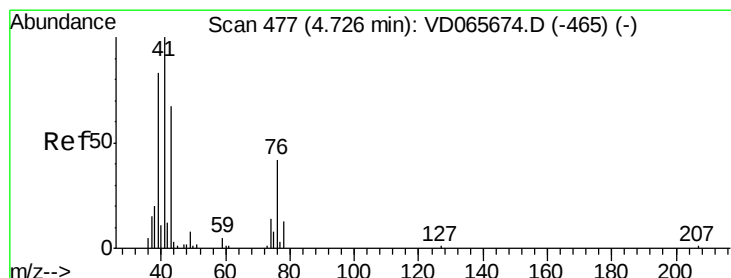
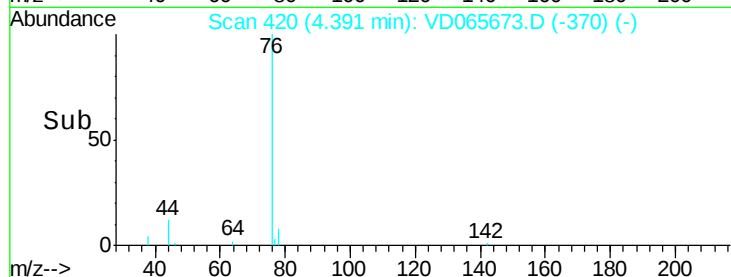
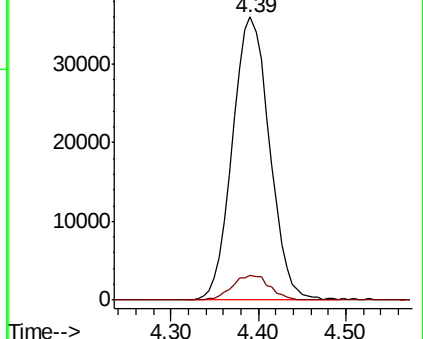
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.763 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065673.D

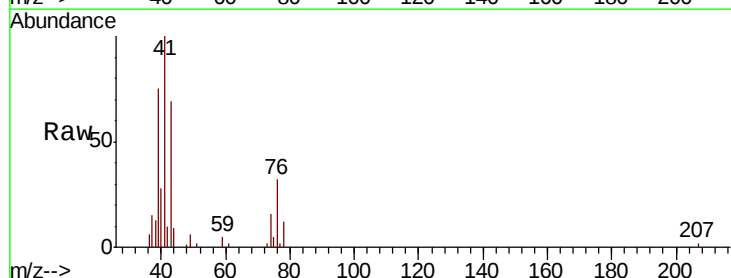
Acq: 24 Apr 2020 13:02

Tgt Ion: 43 Resp: 21533

Ion Ratio Lower Upper

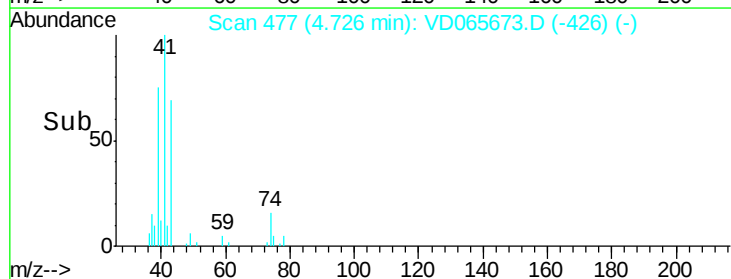
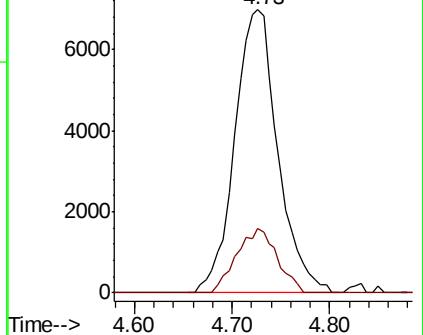
43 100

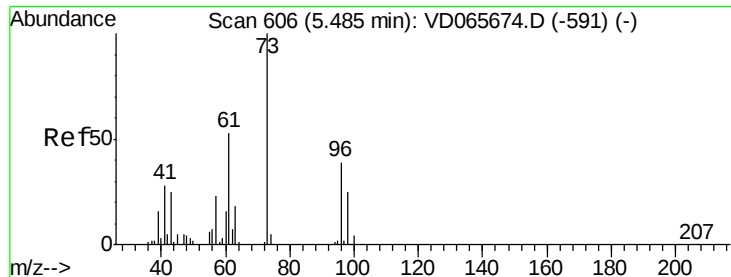
74 21.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

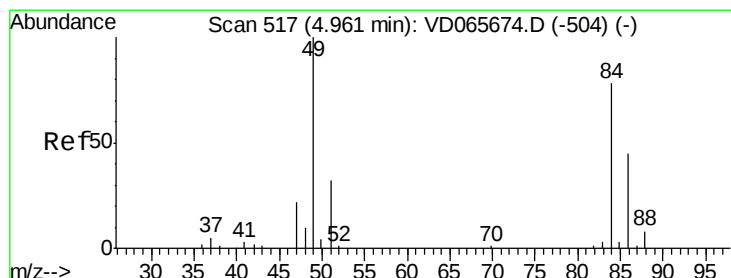
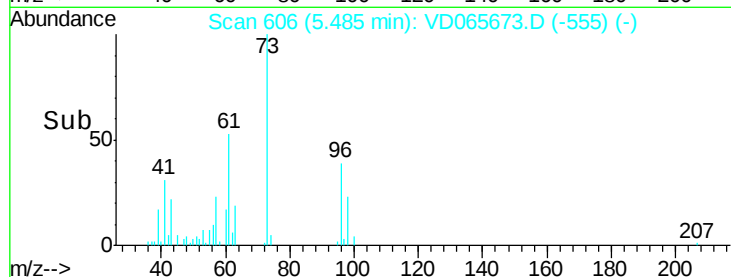
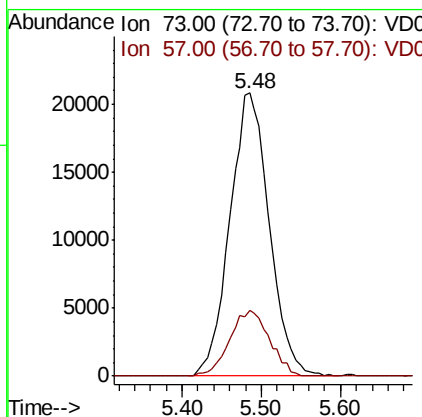
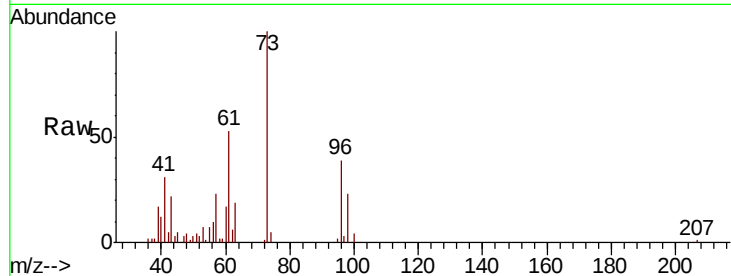




#19
Methvl tert-butvl Ether
Concen: 20.633 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

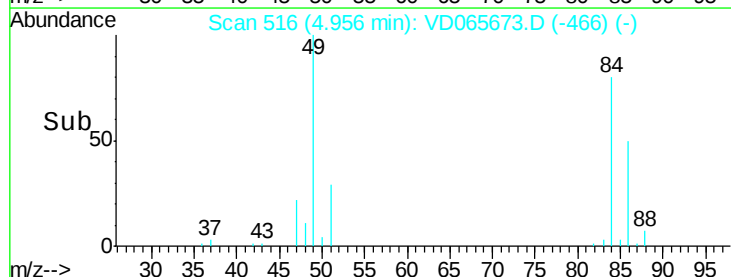
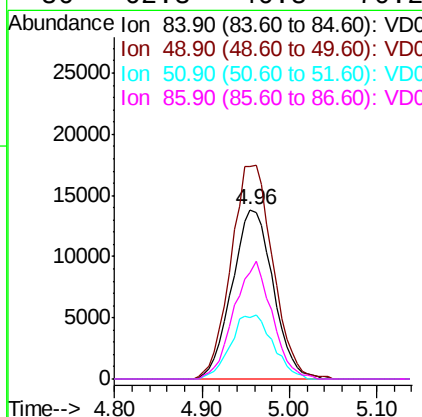
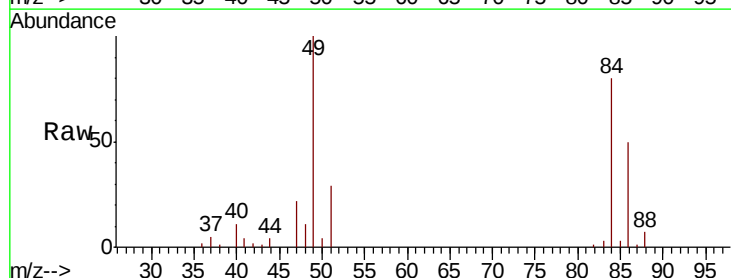
Instrument :
MSVOA_D
ClientSampleId :

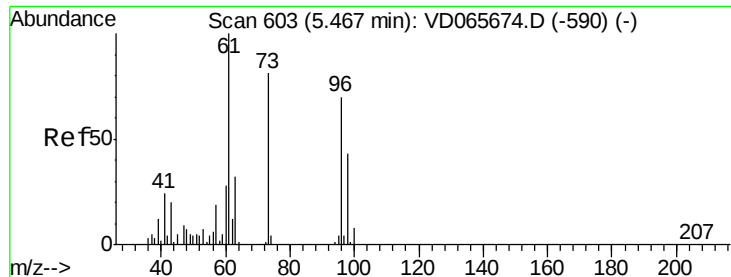
Tot Ion: 73 Resp: 71743
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5



#20
Methylene Chloride
Concen: 20.123 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion: 84 Resp: 44257
Ion Ratio Lower Upper
84 100
49 125.6 103.1 154.7
51 36.4 33.3 49.9
86 62.3 46.8 70.2





#21

trans-1,2-Dichloroethene

Concen: 20.534 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampled :

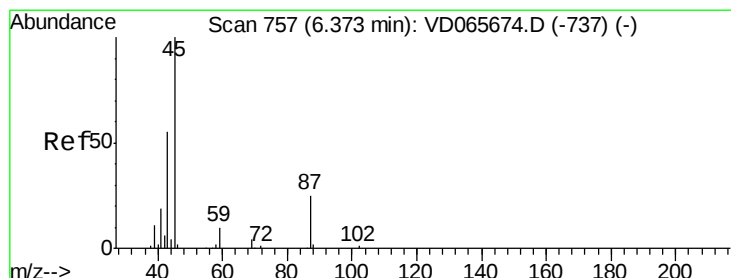
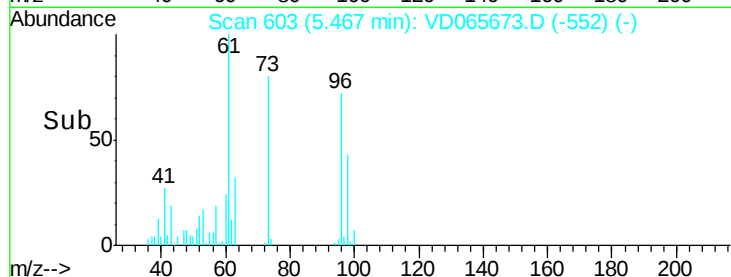
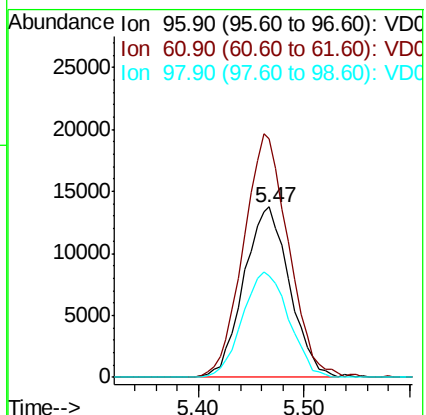
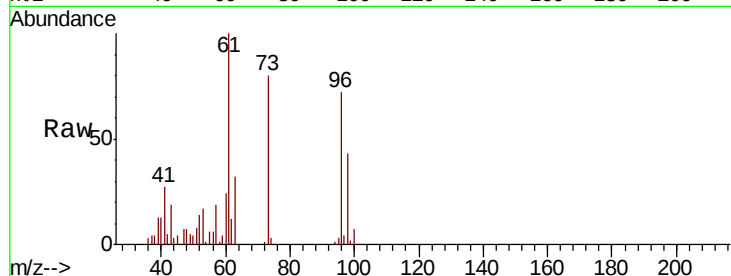
Tot Ion: 96 Resp: 41383

Ion Ratio Lower Upper

96 100

61 139.7 114.8 172.2

98 59.4 49.4 74.0



#22

Diisopropyl ether

Concen: 21.975 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Tgt Ion: 45 Resp: 126186

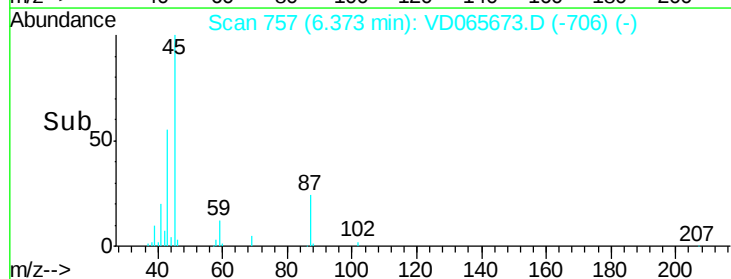
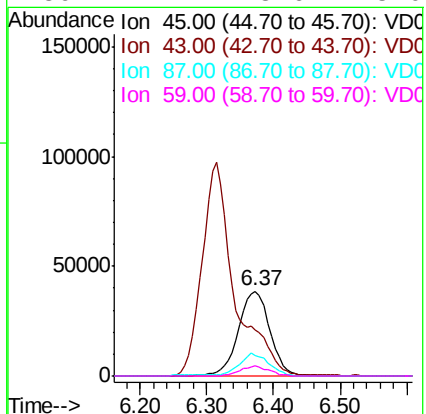
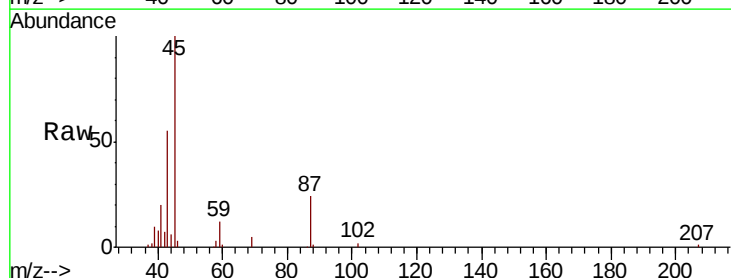
Ion Ratio Lower Upper

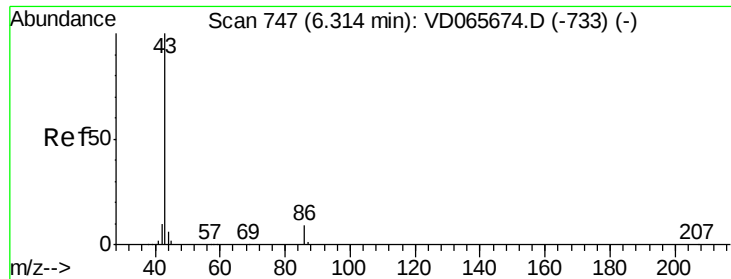
45 100

43 53.3 45.2 67.8

87 24.5 20.8 31.2

59 12.1 8.6 13.0





#23

Vinyl Acetate

Concen: 107.510 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

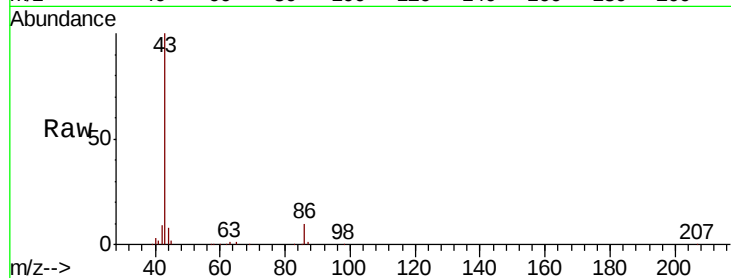
ClientSampleId :

Tot Ion: 43 Resp: 328293

Ion Ratio Lower Upper

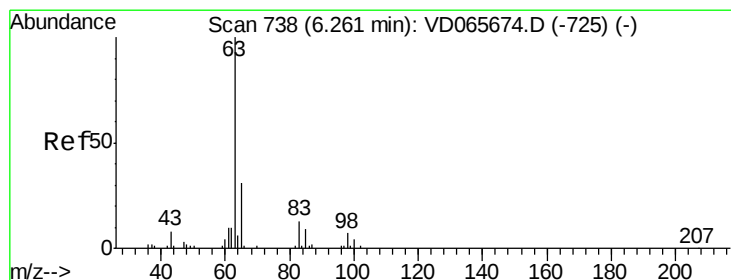
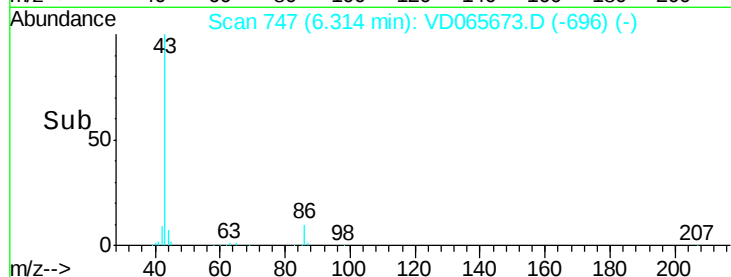
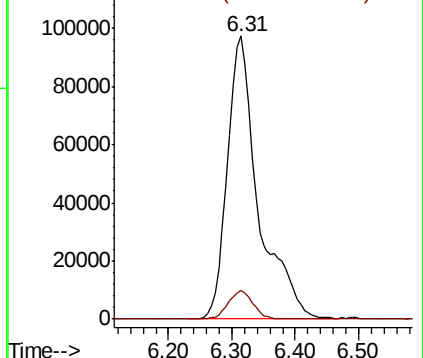
43 100

86 10.0 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.444 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

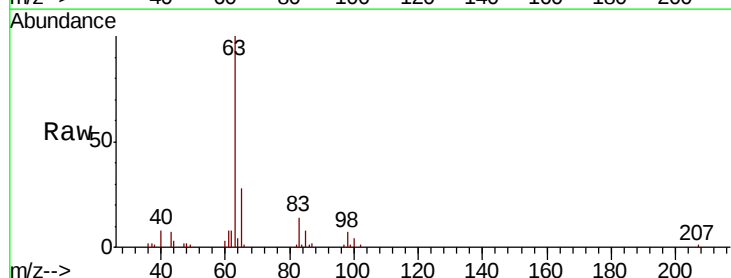
Tgt Ion: 63 Resp: 78237

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

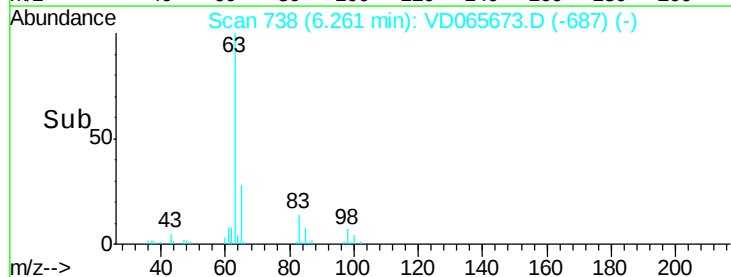
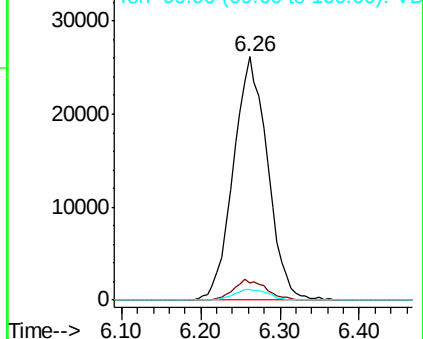
100 4.1 2.2 6.6

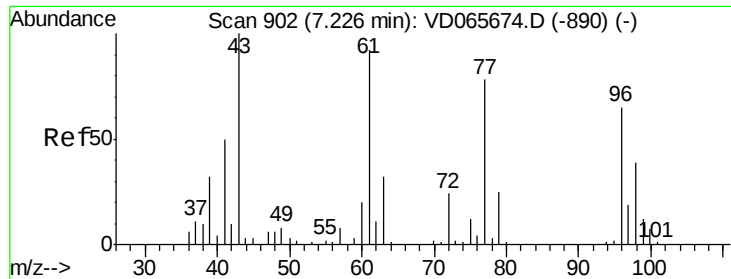


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

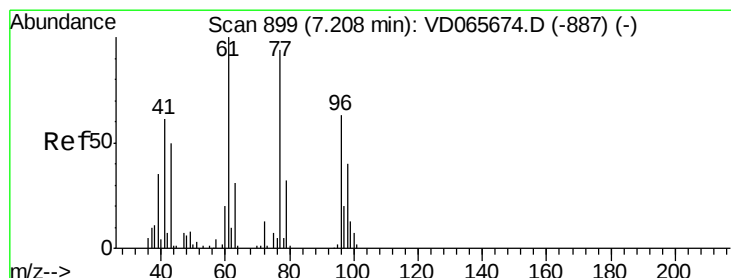
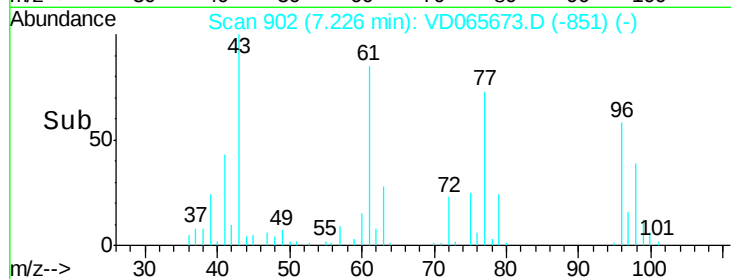
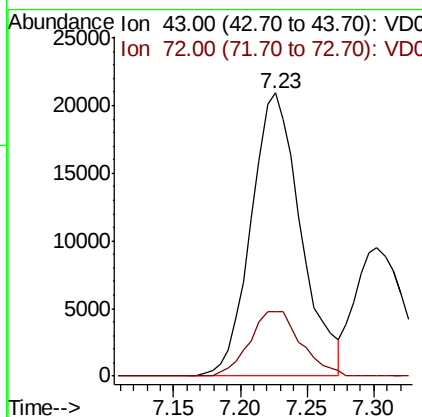
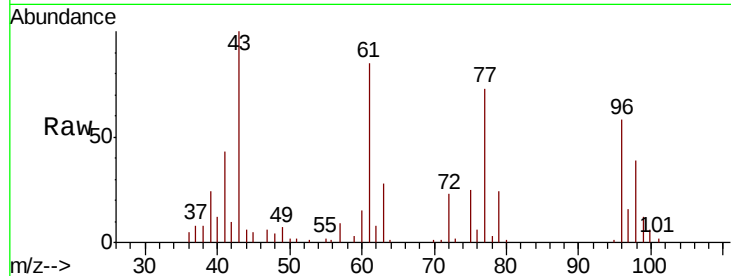




#25
2-Butanone
Concen: 101.713 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

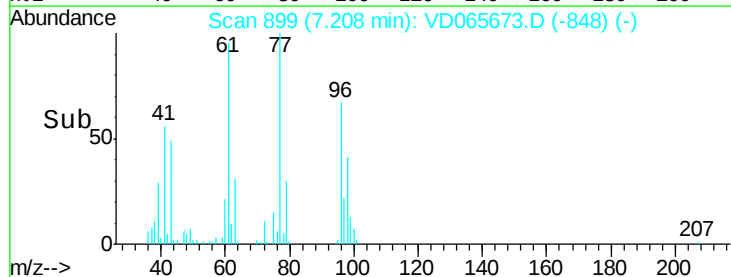
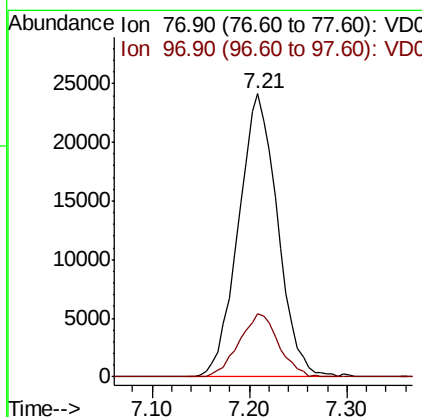
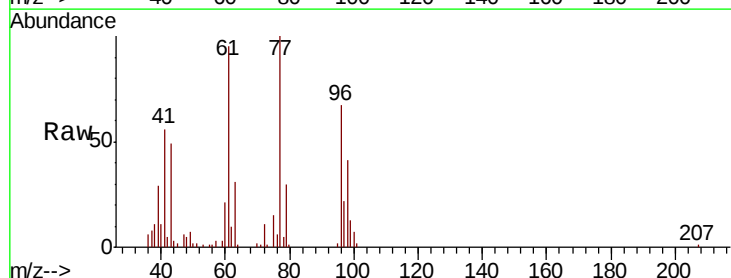
Instrument :
MSVOA_D
ClientSampled :

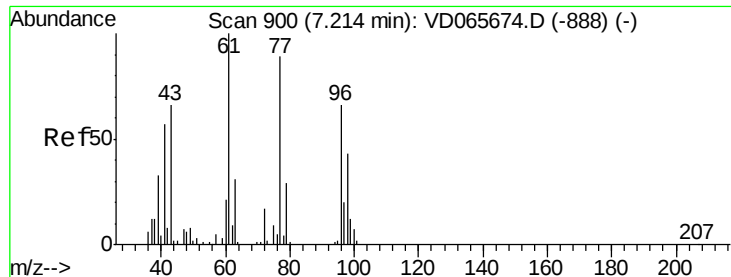
Tot Ion: 43 Resp: 54175
Ion Ratio Lower Upper
43 100
72 22.8 19.3 28.9



#26
2,2-Dichloropropane
Concen: 18.856 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion: 77 Resp: 67186
Ion Ratio Lower Upper
77 100
97 22.6 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 20.523 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

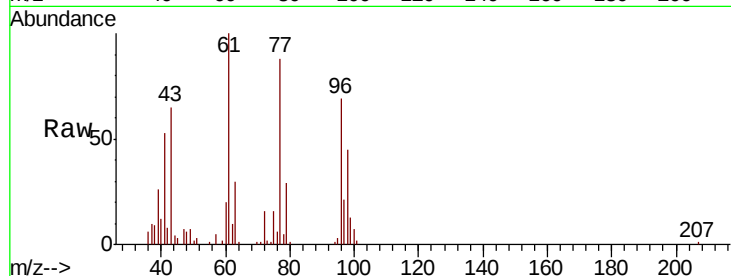
Tot Ion: 96 Resp: 44093

Ion Ratio Lower Upper

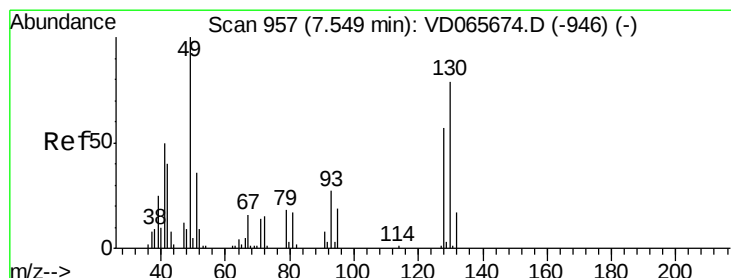
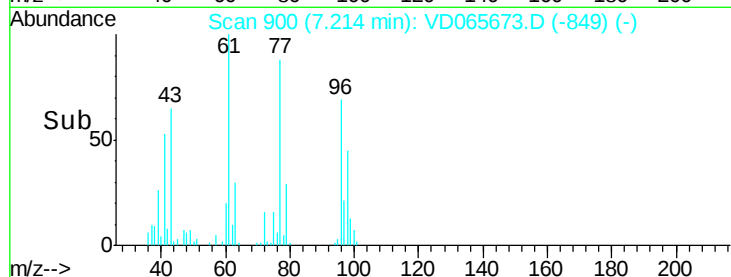
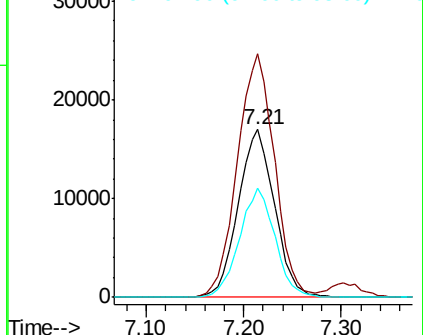
96 100

61 148.5 0.0 304.6

98 63.3 0.0 126.6



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



#28

Bromochloromethane

Concen: 20.832 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

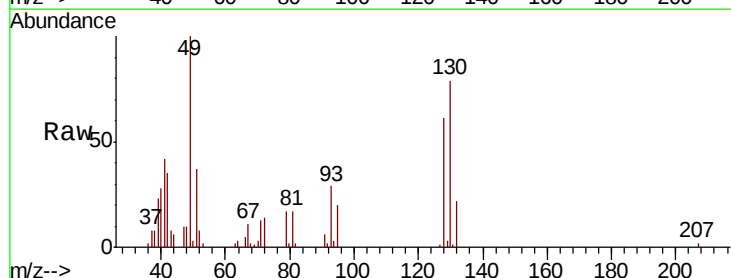
Tgt Ion: 49 Resp: 32722

Ion Ratio Lower Upper

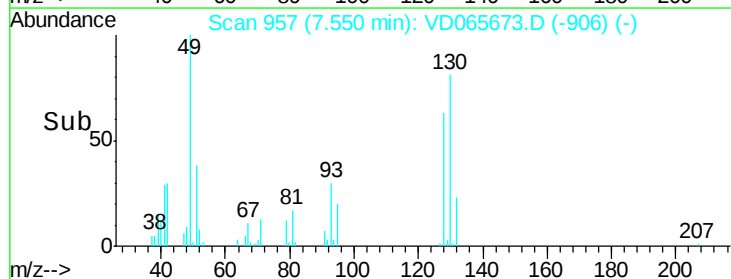
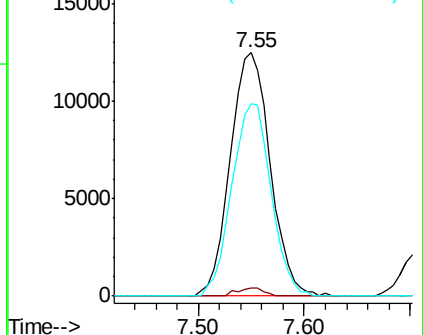
49 100

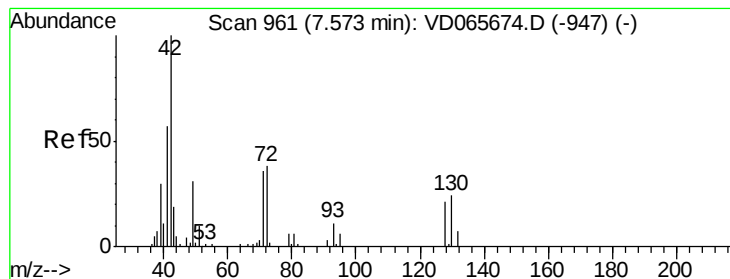
129 2.3 0.0 2.4

130 77.6 60.7 91.1



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





#29

Tetrahydrofuran

Concen: 105.377 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :
MSVOA_D
ClientSampled :

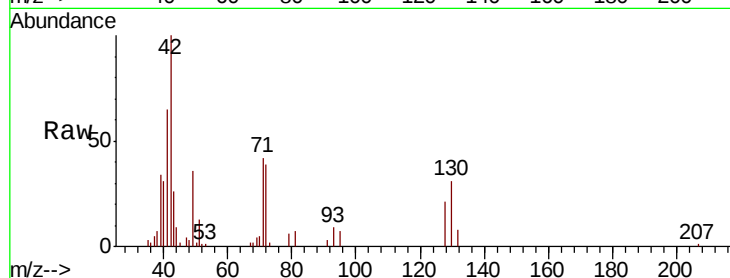
Tot Ion: 42 Resp: 33351

Ion Ratio Lower Upper

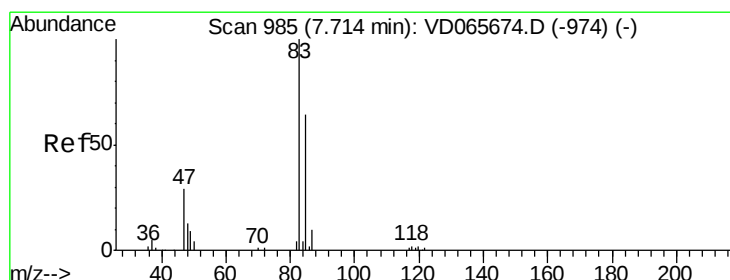
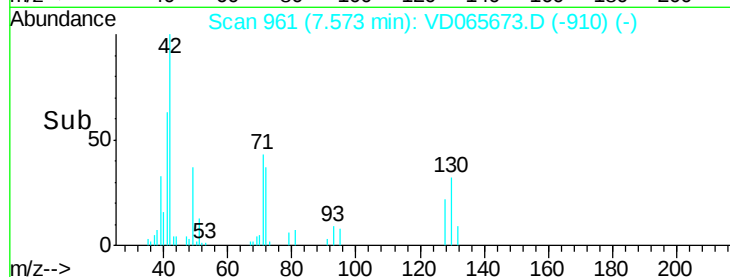
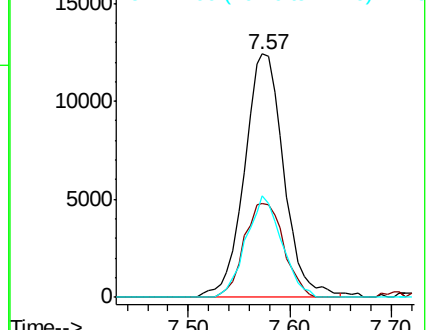
42 100

72 39.0 31.2 46.8

71 37.9 28.9 43.3



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



#30

Chloroform

Concen: 19.172 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065673.D

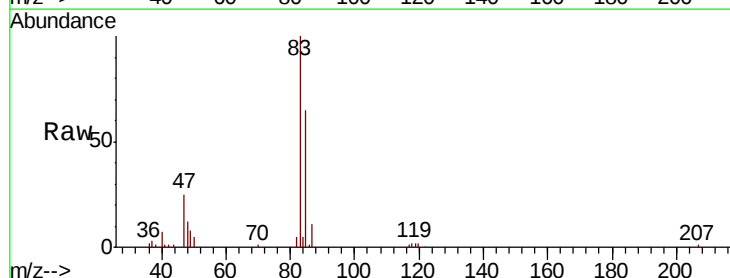
Acq: 24 Apr 2020 13:02

Tgt Ion: 83 Resp: 78338

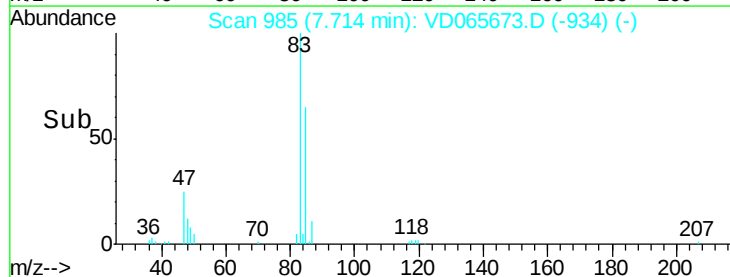
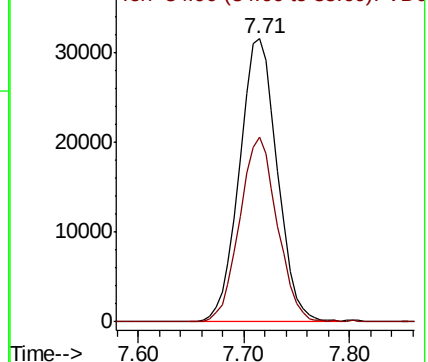
Ion Ratio Lower Upper

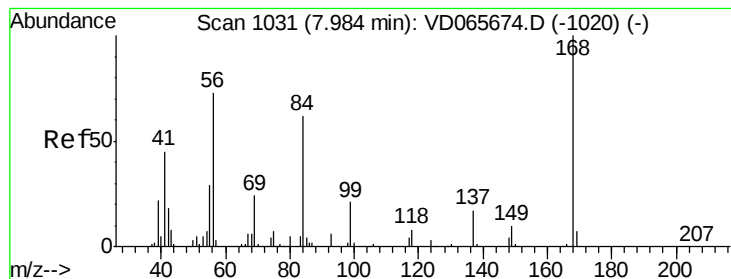
83 100

85 65.5 51.5 77.3



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





#31

Cyclohexane

Concen: 18.992 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampled :

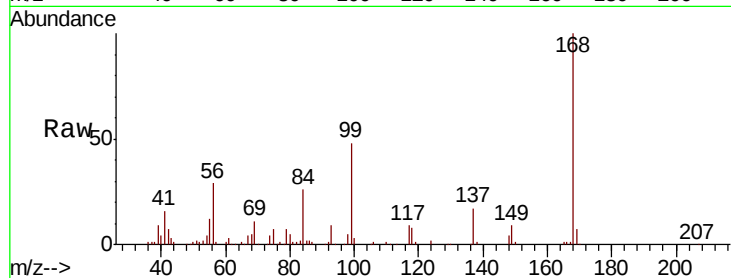
Tot Ion: 56 Resp: 68588

Ion Ratio Lower Upper

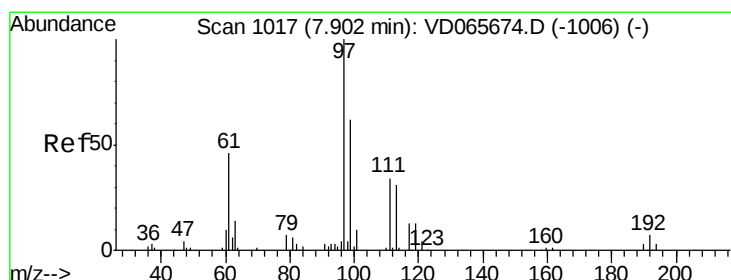
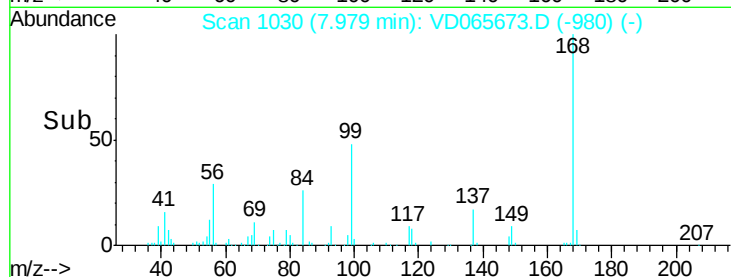
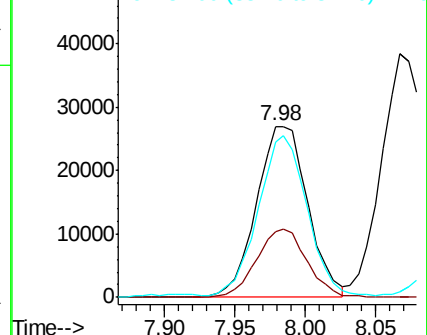
56 100

69 38.5 25.8 38.6

84 88.9 68.3 102.5



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: 18.740 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

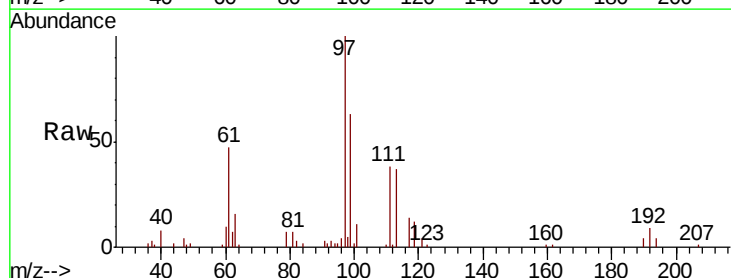
Tgt Ion: 97 Resp: 69636

Ion Ratio Lower Upper

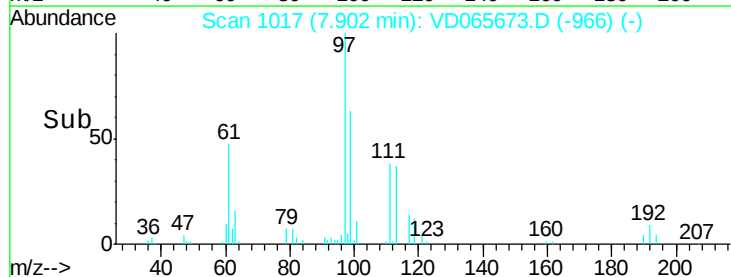
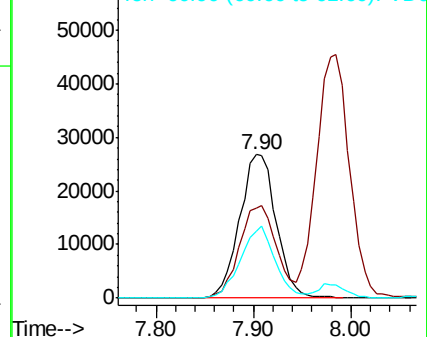
97 100

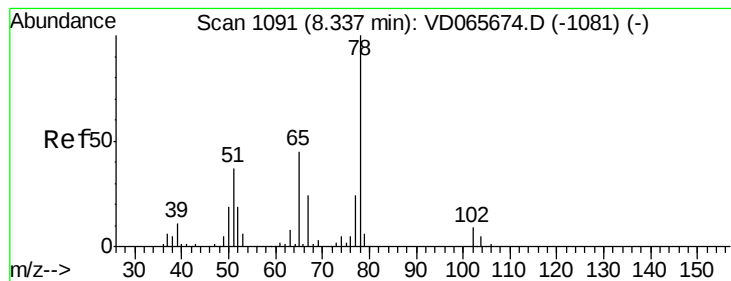
99 65.8 51.0 76.4

61 47.4 37.4 56.2



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





#33

1,2-Dichloroethane-d4

Concen: 18.456 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

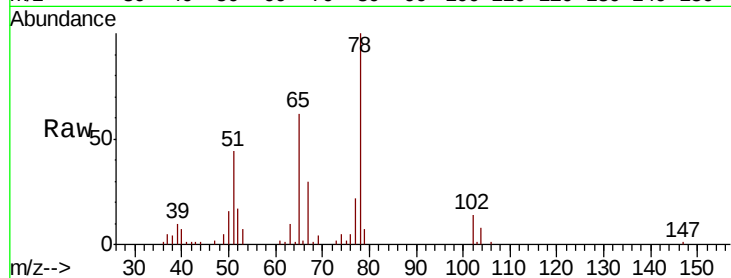
ClientSampleId :

Tot Ion: 65 Resp: 40261

Ion Ratio Lower Upper

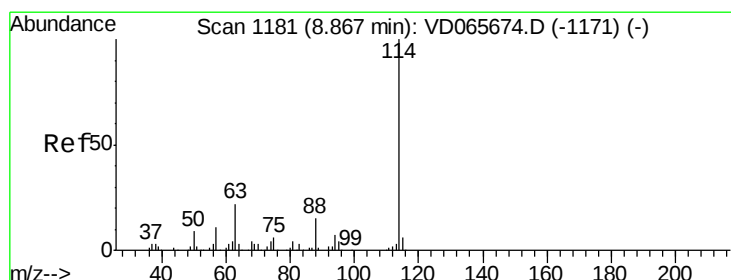
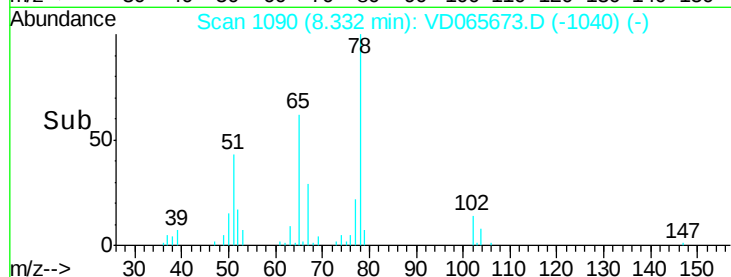
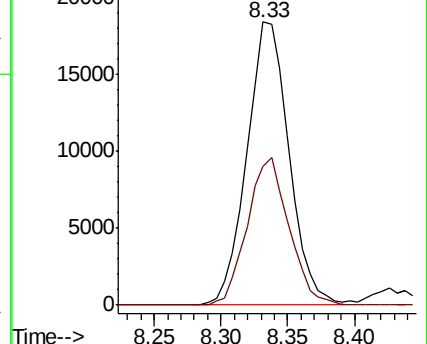
65 100

67 51.3 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

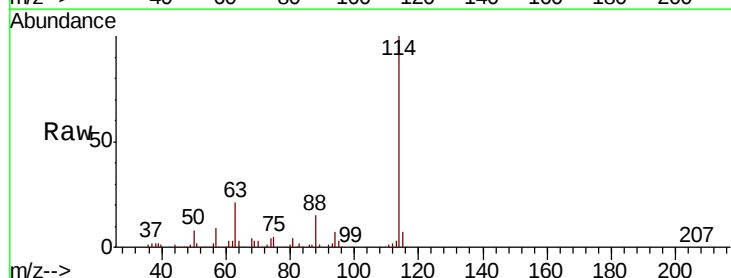
Tgt Ion:114 Resp: 288743

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.0

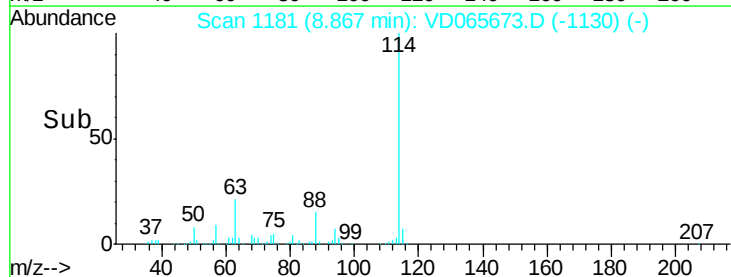
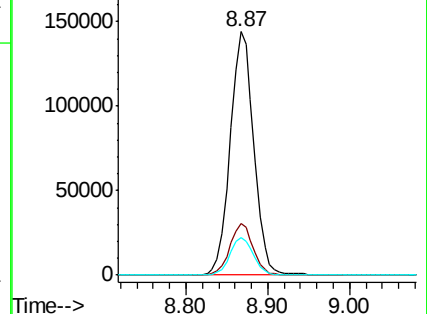
88 15.3 0.0 30.4

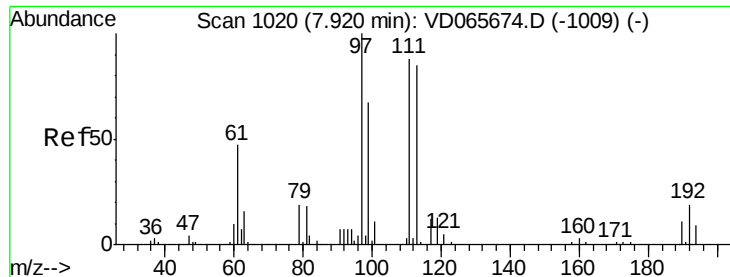


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

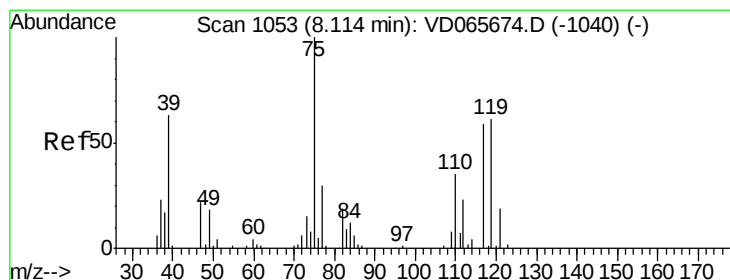
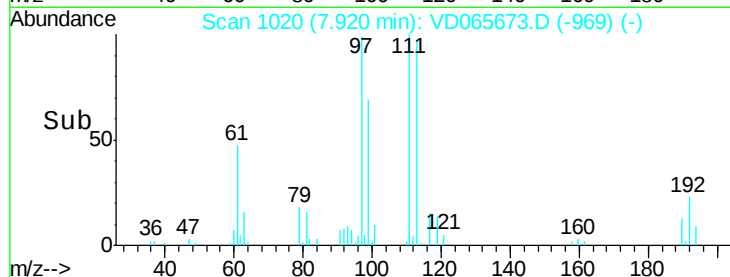
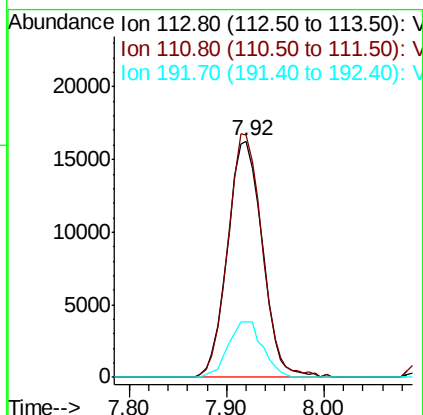
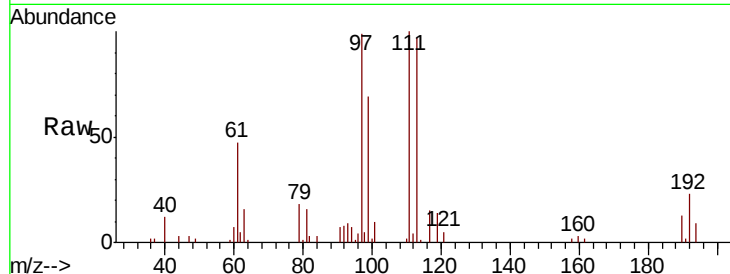




#35
 Dibromofluoromethane
 Concen: 20.088 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

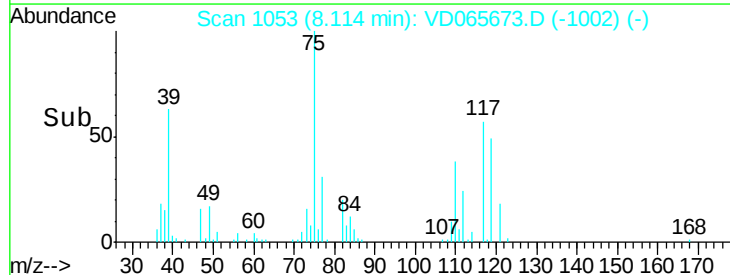
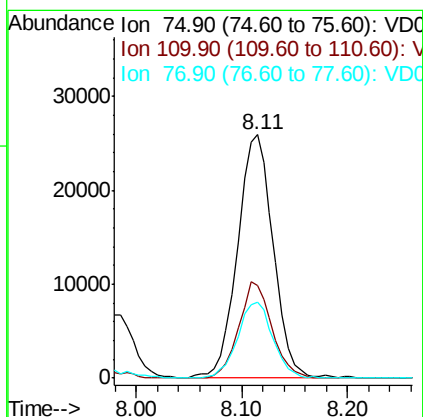
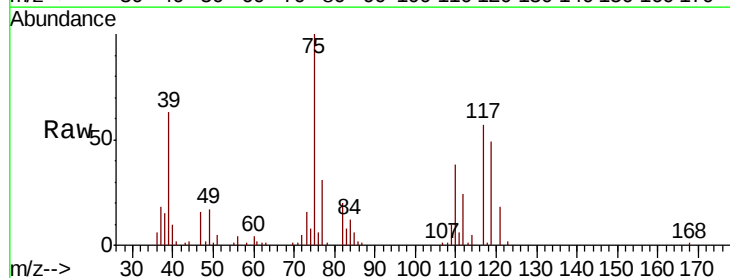
Instrument :
 MSVOA_D
 ClientSampleId :

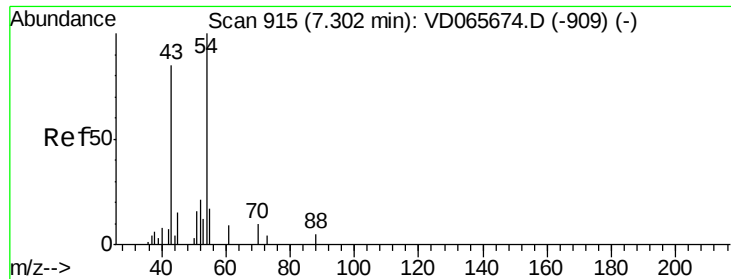
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.4	125.0
192	23.4	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 19.914 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.2	51.5
77	30.9	24.5	36.7

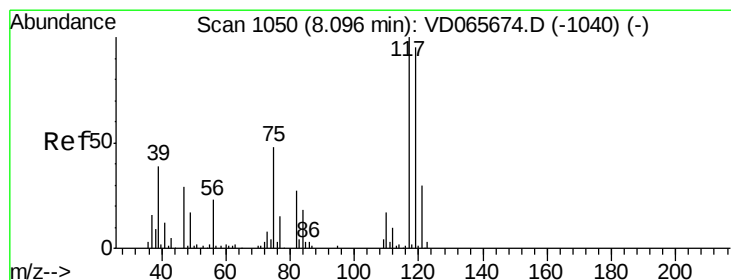
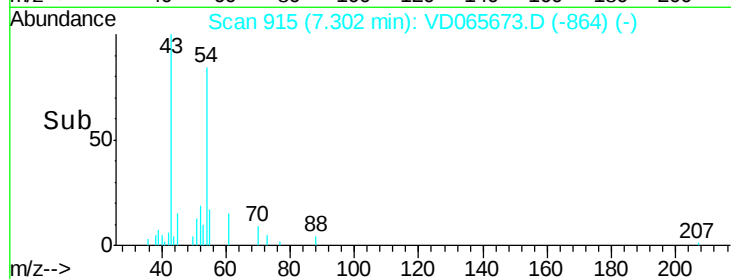
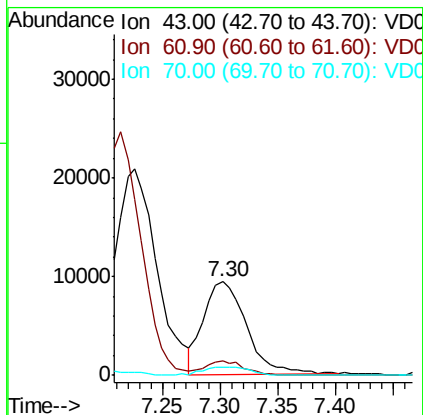
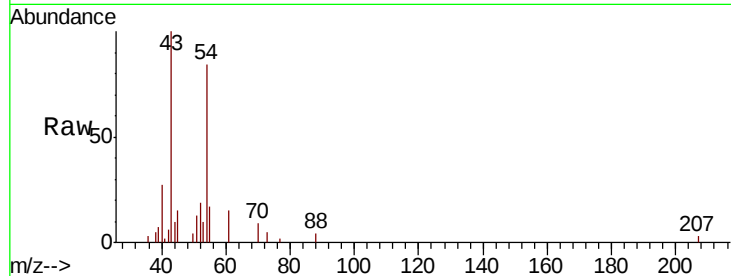




#37
Ethyl Acetate
Concen: 20.580 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

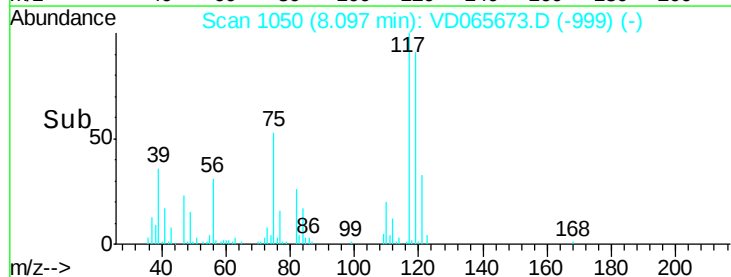
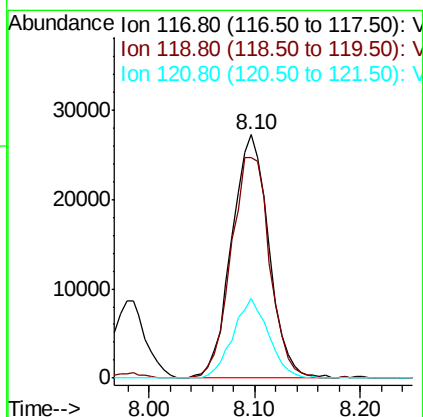
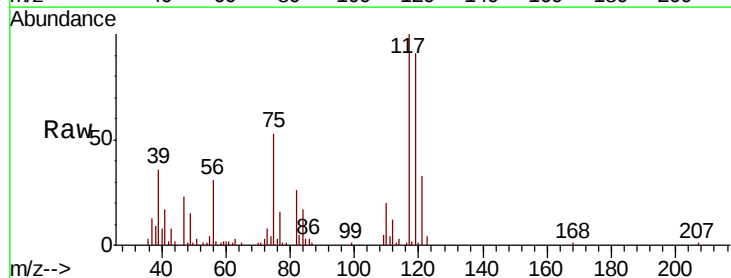
Instrument :
MSVOA_D
ClientSampleId :

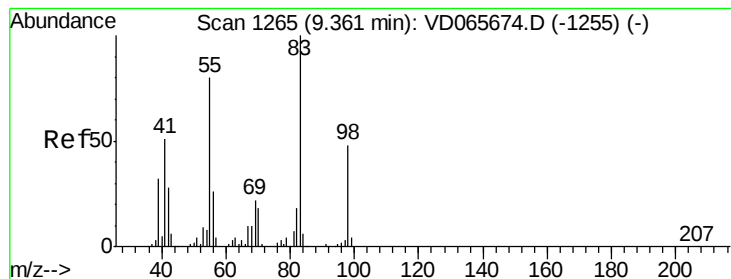
Tot Ion: 43 Resp: 24348
Ion Ratio Lower Upper
43 100
61 14.2 11.3 16.9
70 9.5 7.5 11.3



#38
Carbon Tetrachloride
Concen: 19.045 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion: 117 Resp: 66655
Ion Ratio Lower Upper
117 100
119 90.8 75.8 113.6
121 32.6 23.8 35.8





#39

Methvlcvclohexane

Concen: 20.509 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

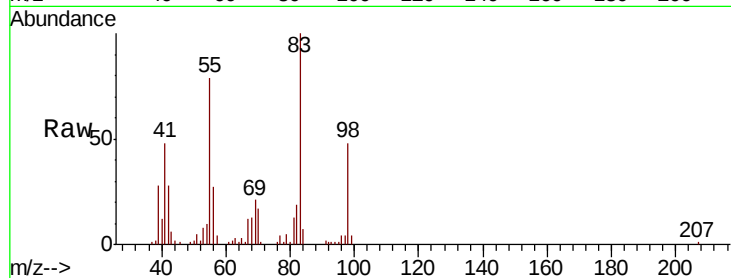
Tot Ion: 83 Resp: 64239

Ion Ratio Lower Upper

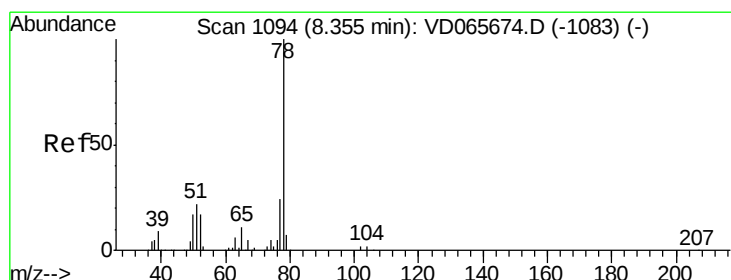
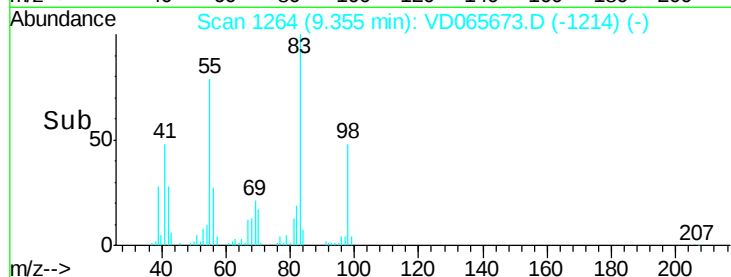
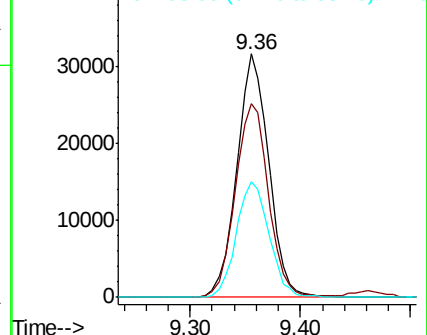
83 100

55 79.4 64.2 96.2

98 47.5 38.1 57.1



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



#40

Benzene

Concen: 20.683 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD065673.D

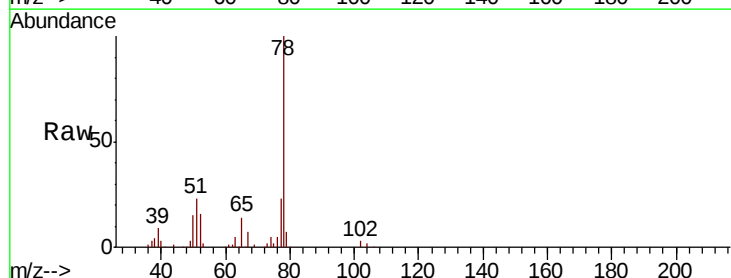
Acq: 24 Apr 2020 13:02

Tgt Ion: 78 Resp: 172999

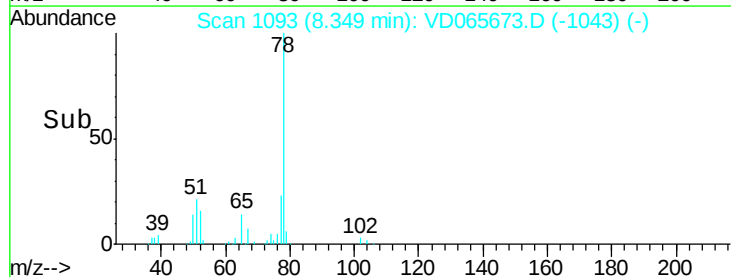
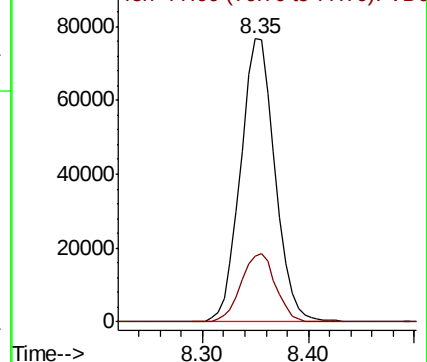
Ion Ratio Lower Upper

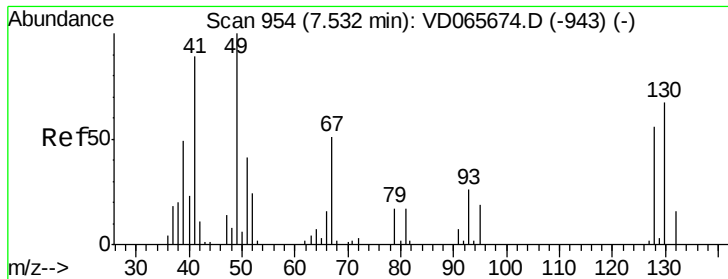
78 100

77 23.2 19.4 29.0



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

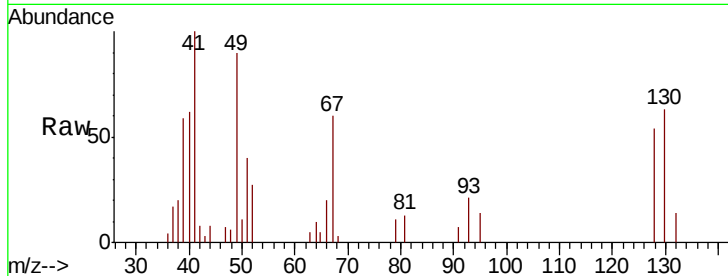




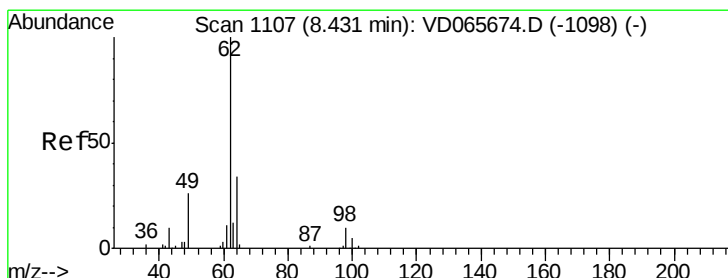
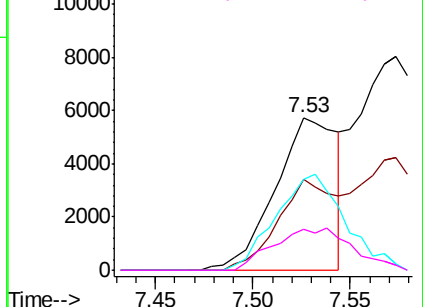
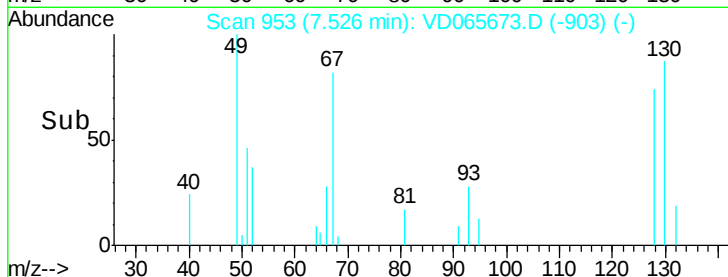
#41
Methacrylonitrile
Concen: 20.520 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 12642
Ion Ratio Lower Upper
41 100
39 54.5 0.0 0.0#
67 70.2 56.0 84.0
52 34.9 27.0 40.4

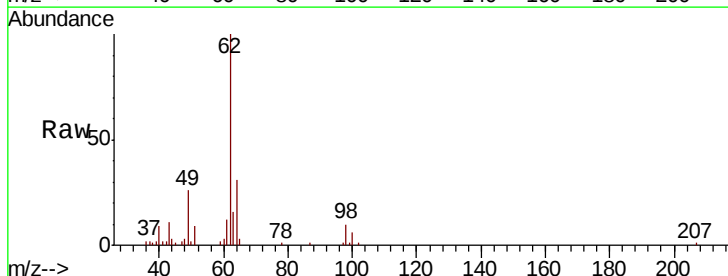


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

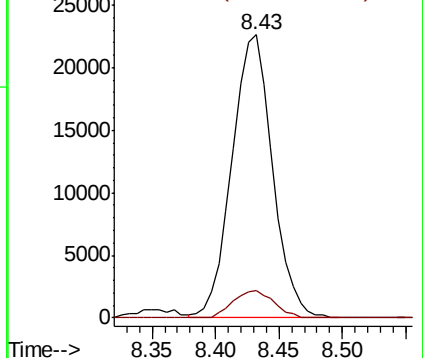
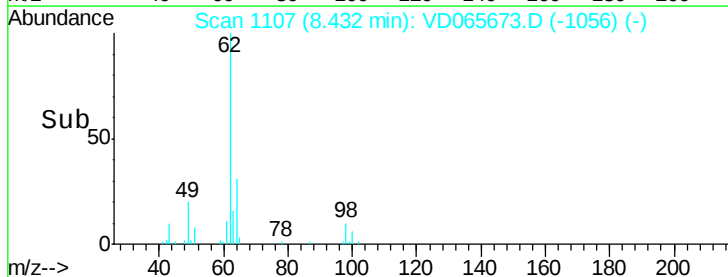


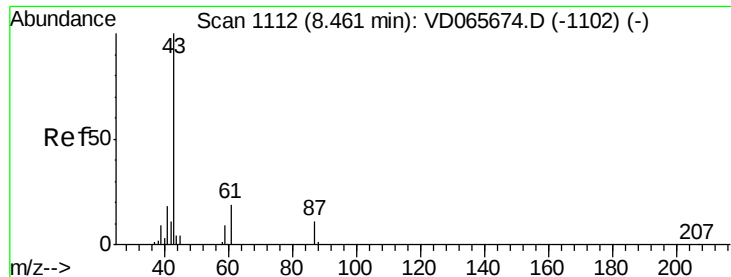
#42
1,2-Dichloroethane
Concen: 19.176 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion: 62 Resp: 50318
Ion Ratio Lower Upper
62 100
98 9.5 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.417 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampled :

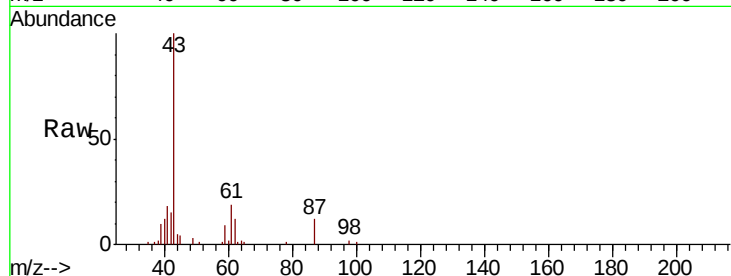
Tot Ion: 43 Resp: 44028

Ion Ratio Lower Upper

43 100

61 31.3 24.4 36.6

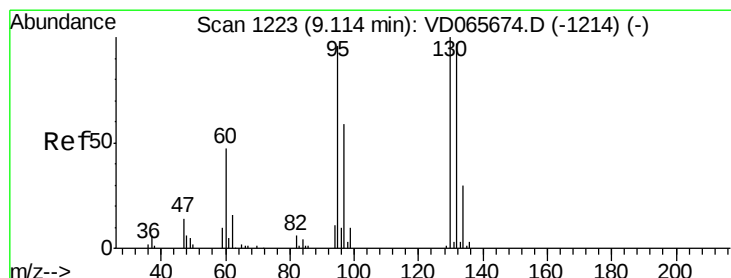
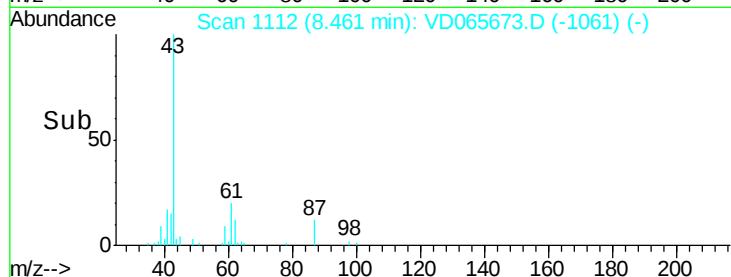
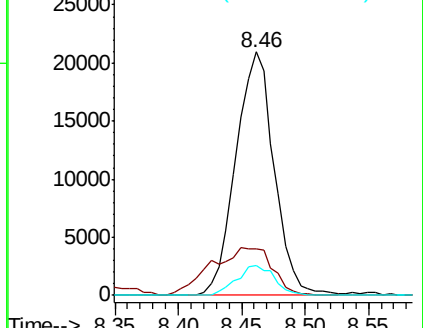
87 11.8 9.3 13.9



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: 20.447 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065673.D

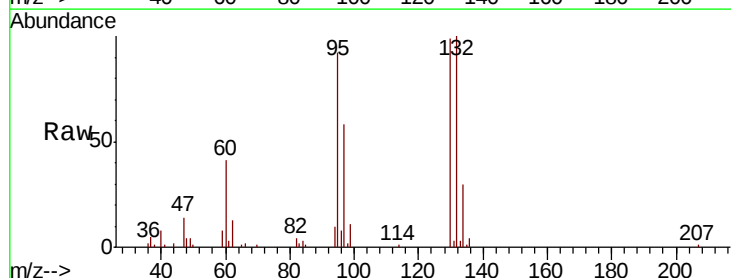
Acq: 24 Apr 2020 13:02

Tgt Ion:130 Resp: 48356

Ion Ratio Lower Upper

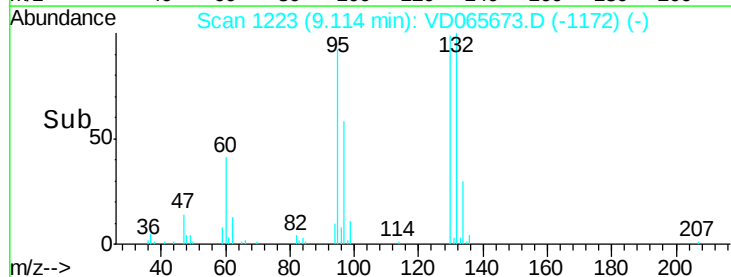
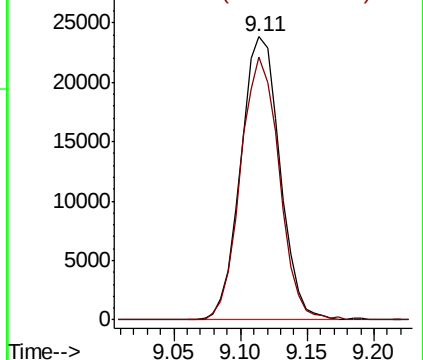
130 100

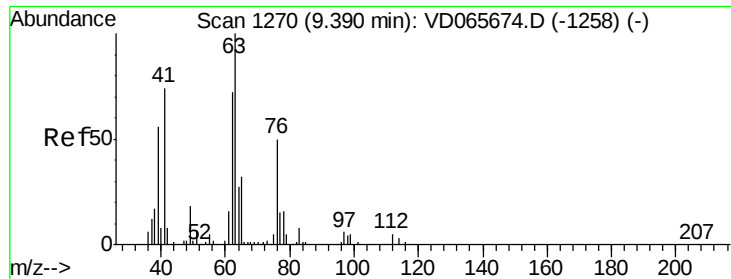
95 92.9 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

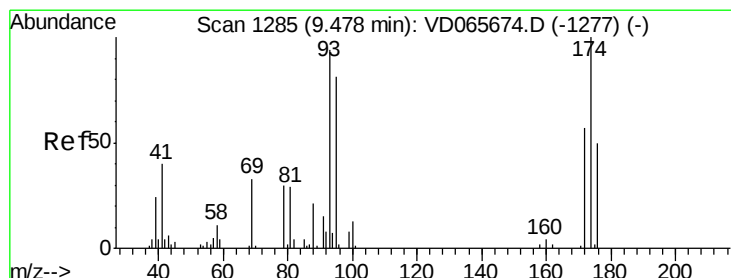
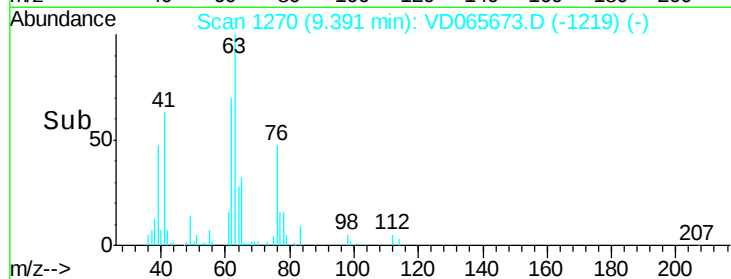
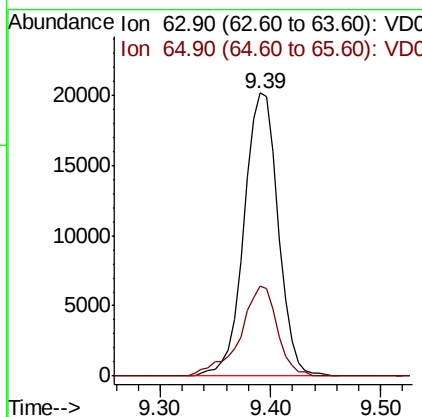
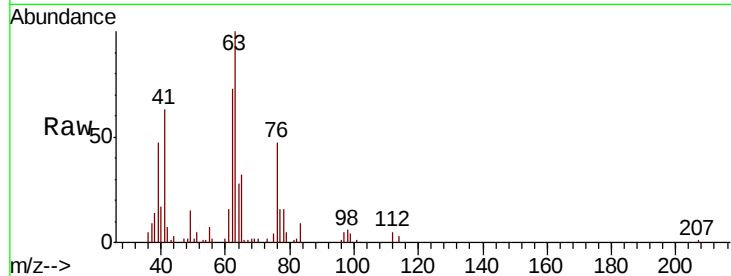




#45
 1,2-Dichloropropane
 Concen: 20.558 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

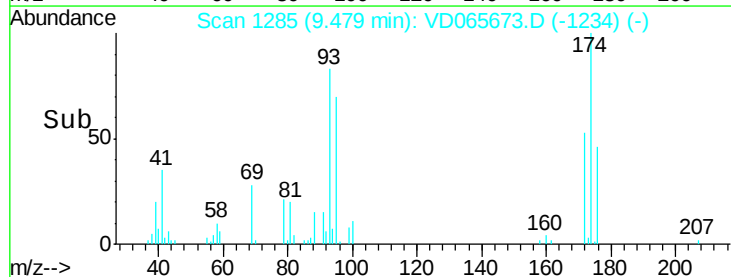
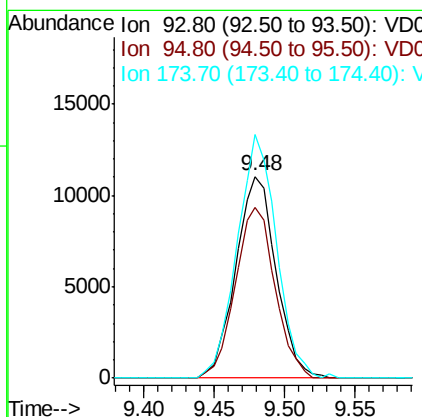
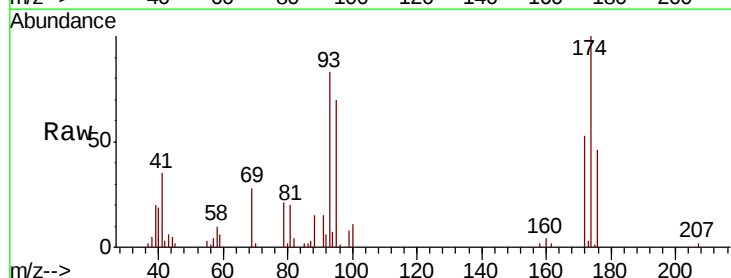
Instrument :
 MSVOA_D
 ClientSampleId :

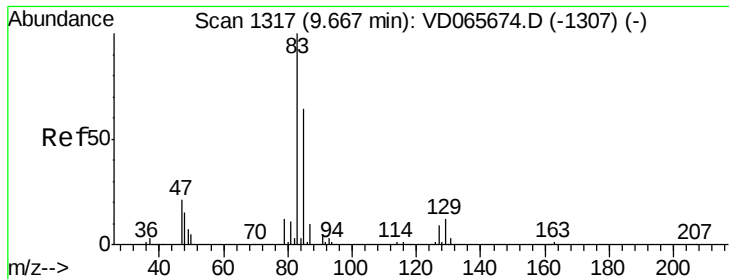
Tot Ion: 63 Resp: 43811
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.5 38.3



#46
 Dibromomethane
 Concen: 19.941 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Tgt Ion: 93 Resp: 22028
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.1 99.1
 174 118.0 86.4 129.6





#47

Bromodichloromethane

Concen: 19.989 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :

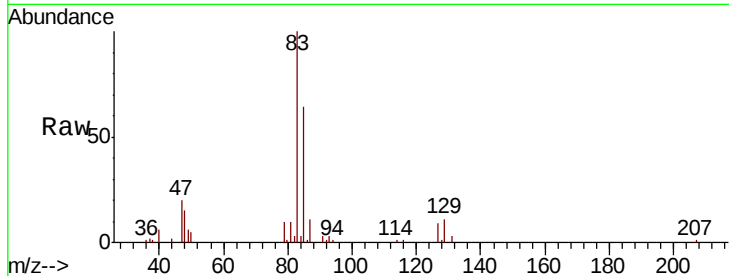
Tot Ion: 83 Resp: 60669

Ion Ratio Lower Upper

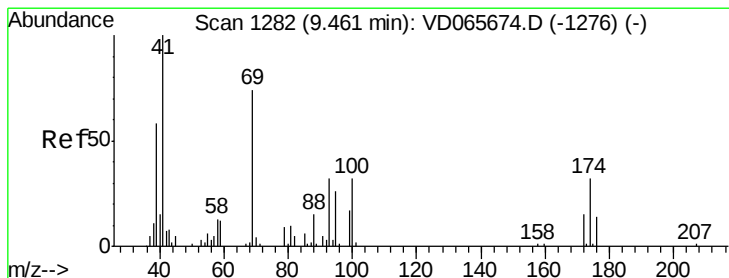
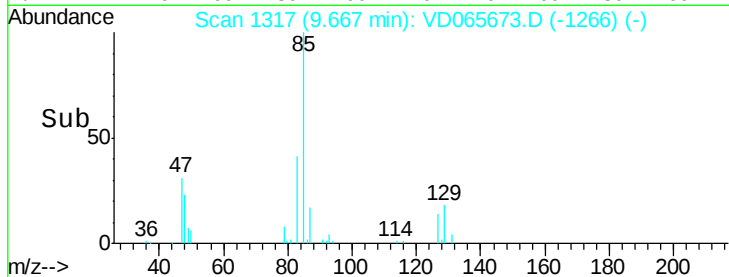
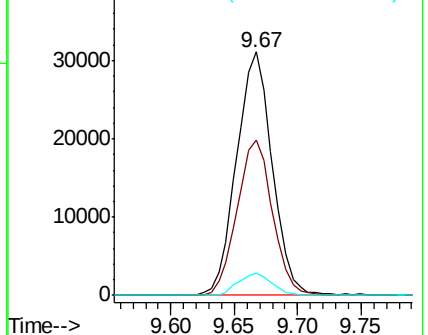
83 100

85 63.6 51.0 76.6

127 9.0 7.1 10.7



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: 19.672 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

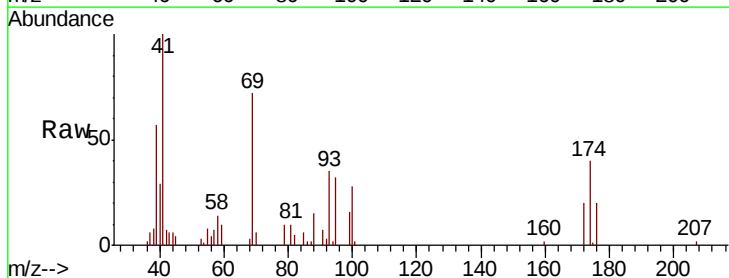
Tgt Ion: 41 Resp: 20605

Ion Ratio Lower Upper

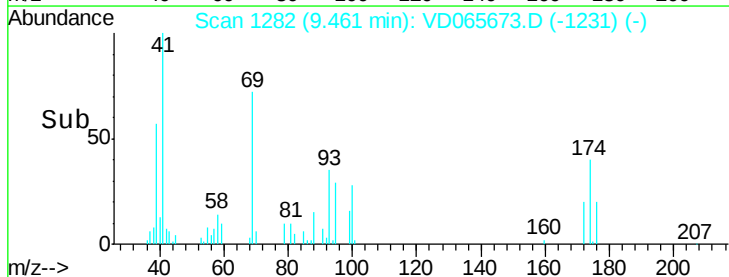
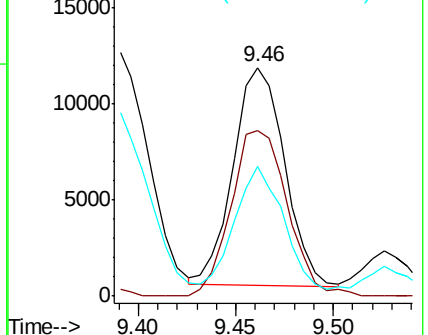
41 100

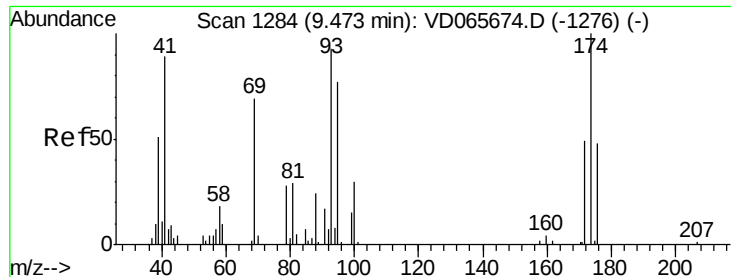
69 84.1 62.4 93.6

39 53.0 48.9 73.3



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: 431.543 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

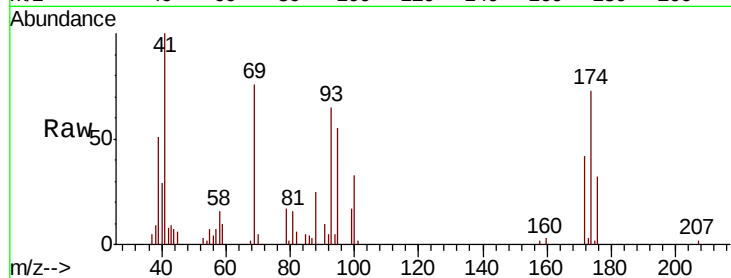
Tot Ion: 88 Resp: 4965

Ion Ratio Lower Upper

88 100

43 39.1 34.2 51.2

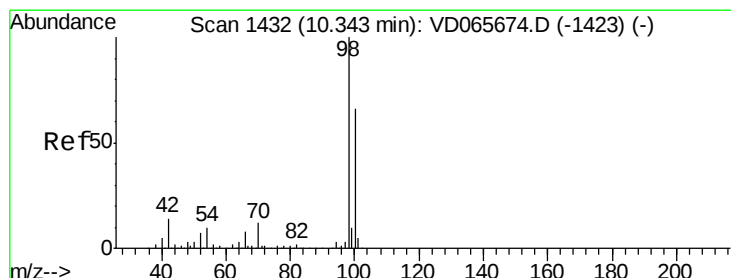
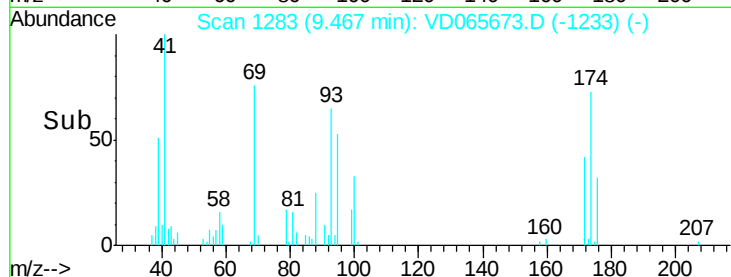
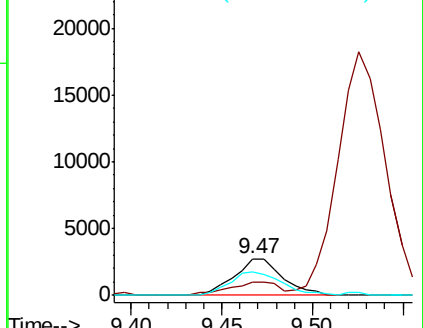
58 71.6 58.2 87.2



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: 21.108 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065673.D

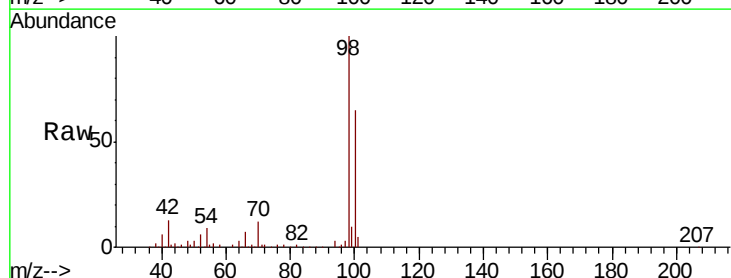
Acq: 24 Apr 2020 13:02

Tgt Ion: 98 Resp: 148045

Ion Ratio Lower Upper

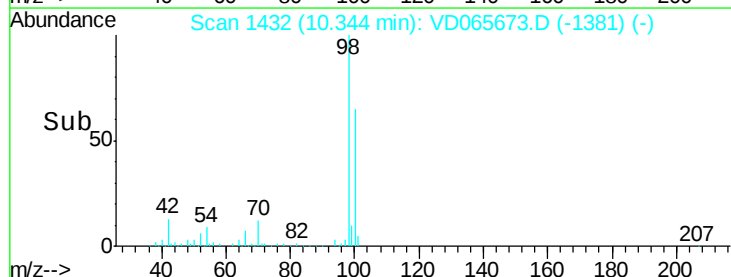
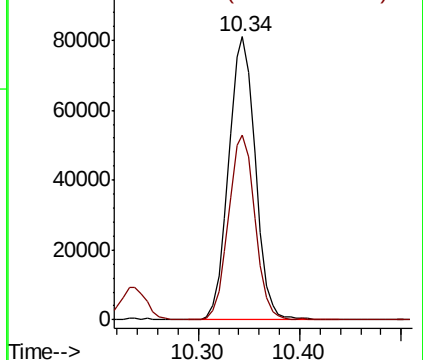
98 100

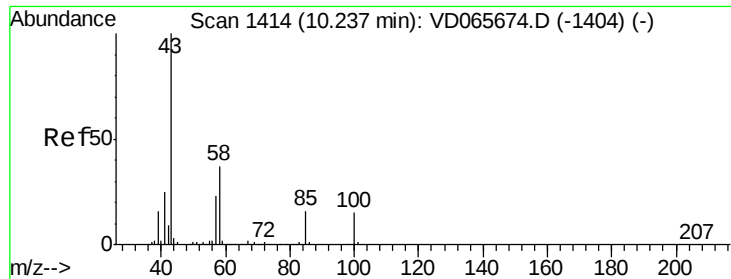
100 64.7 52.2 78.4



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: 106.206 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

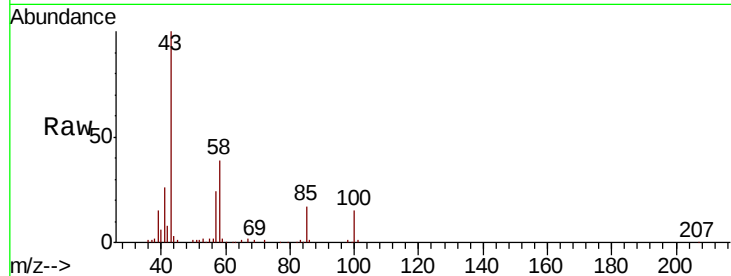
ClientSampleId :

Tot Ion: 43 Resp: 117425

Ion Ratio Lower Upper

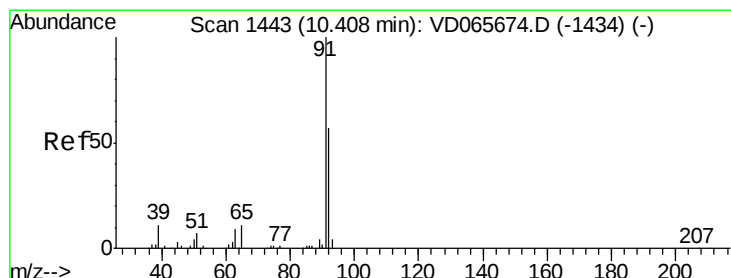
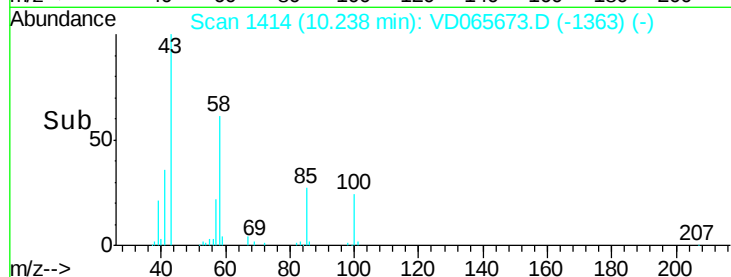
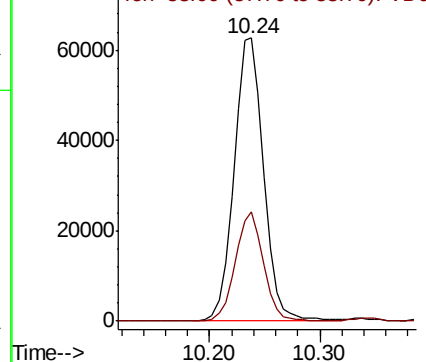
43 100

58 36.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.248 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065673.D

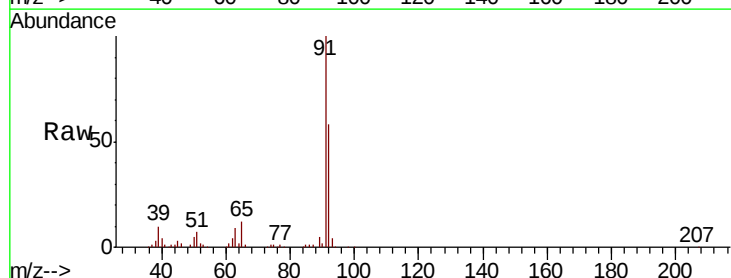
Acq: 24 Apr 2020 13:02

Tgt Ion: 92 Resp: 107908

Ion Ratio Lower Upper

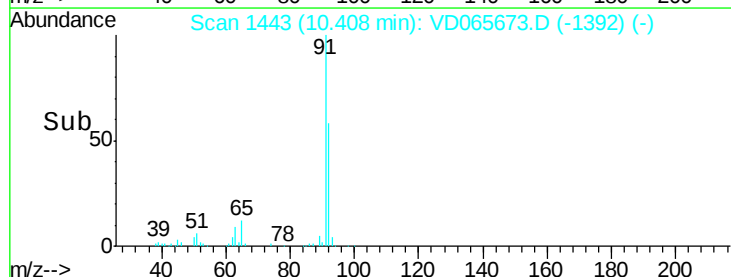
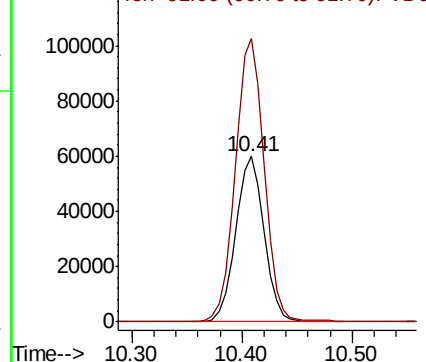
92 100

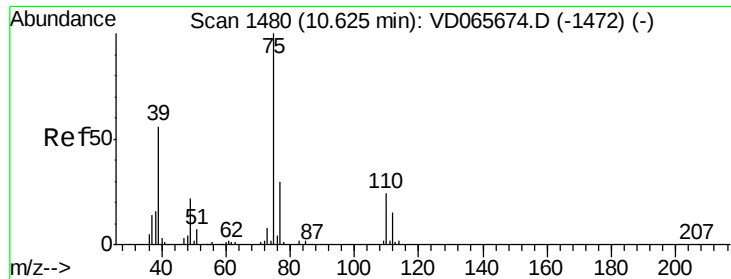
91 174.5 139.2 208.8



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: 20.513 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

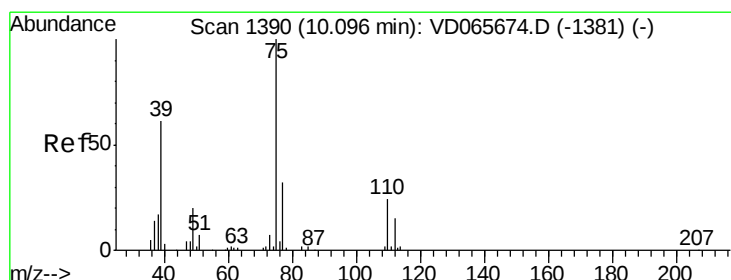
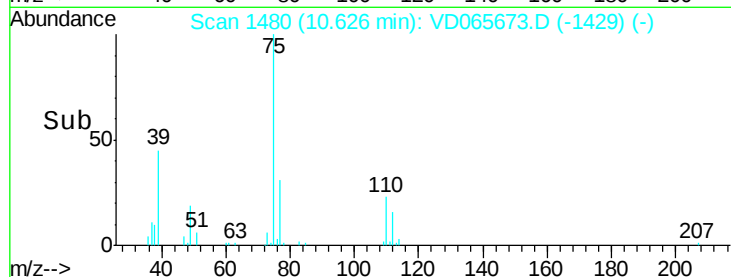
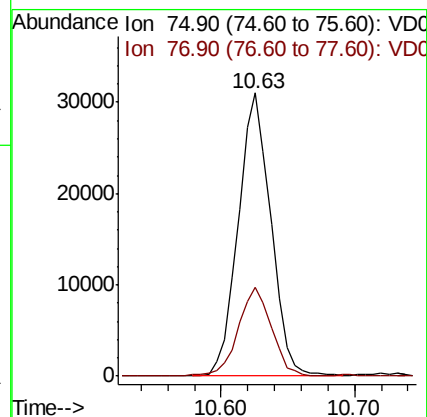
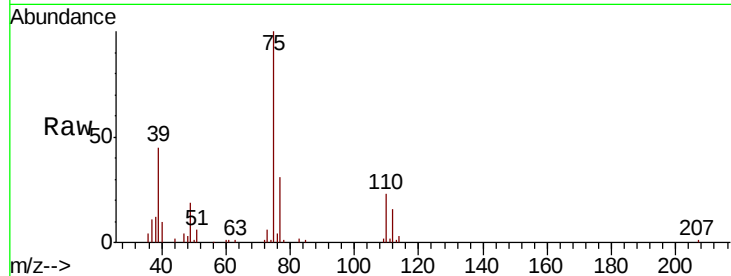
ClientSampleId :

Tot Ion: 75 Resp: 52522

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.746 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

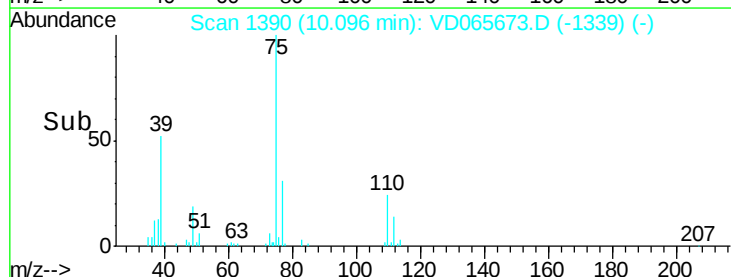
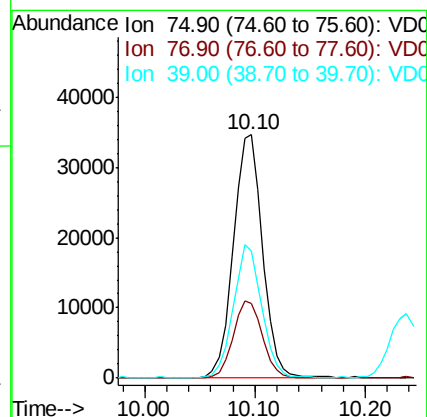
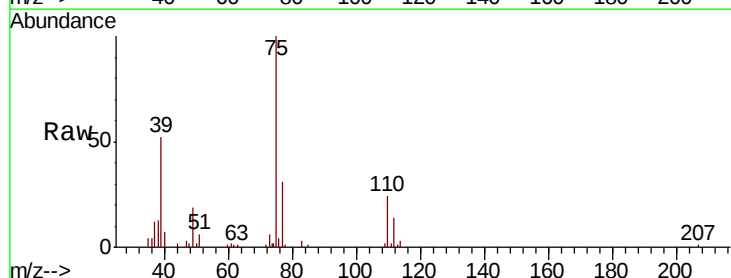
Tgt Ion: 75 Resp: 64342

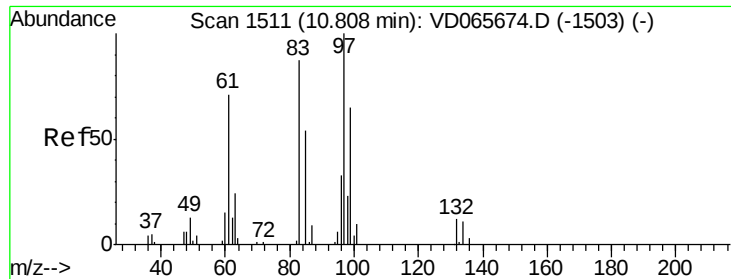
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 52.0 48.5 72.7

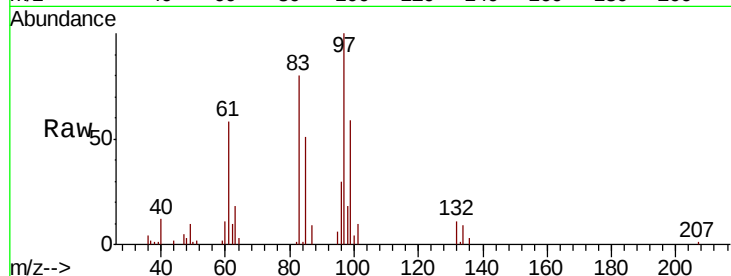




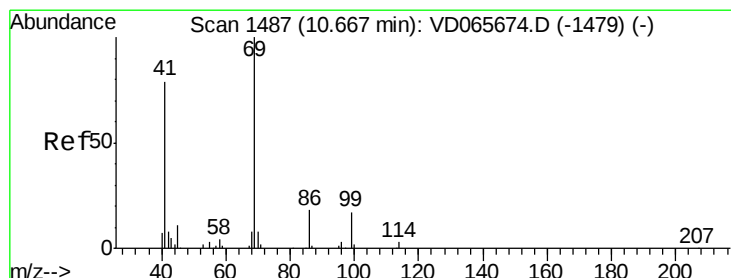
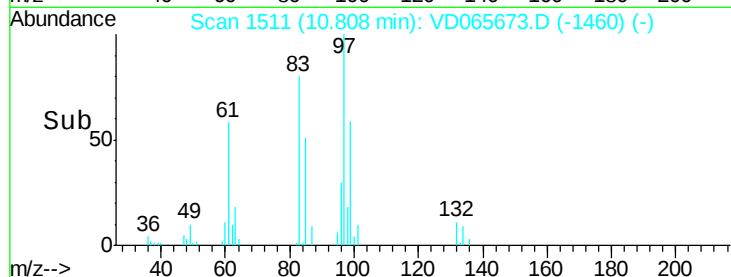
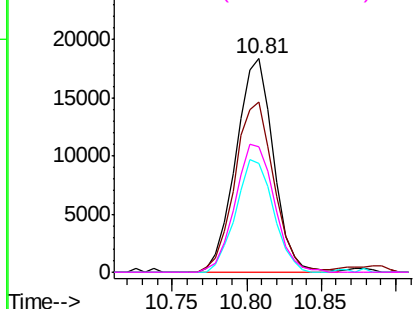
#55
 1,1,2-Trichloroethane
 Concen: 20.831 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 32249
 Ion Ratio Lower Upper
 97 100
 83 79.9 69.6 104.4
 85 51.2 43.5 65.3
 99 58.5 51.7 77.5

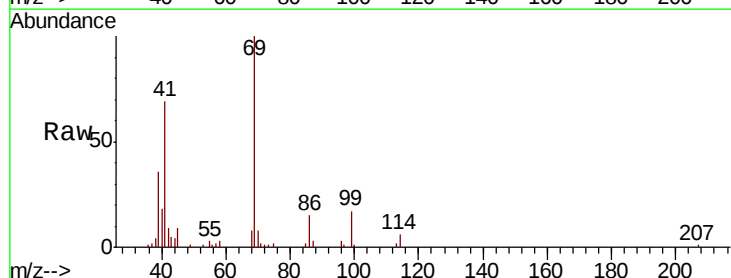


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

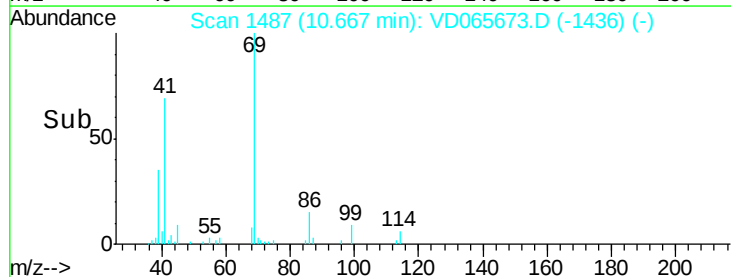
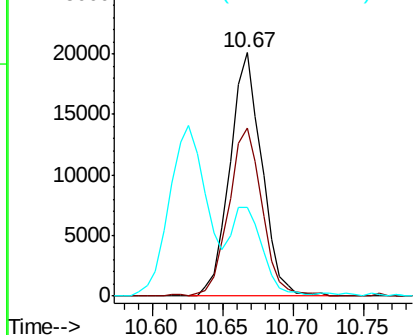


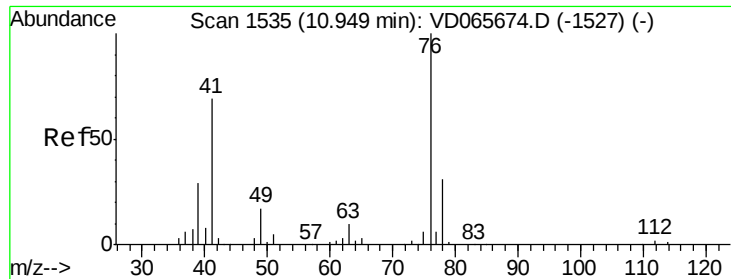
#56
 Ethyl methacrylate
 Concen: 21.980 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Tgt Ion: 69 Resp: 31742
 Ion Ratio Lower Upper
 69 100
 41 72.5 62.3 93.5
 39 34.8 34.4 51.6



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

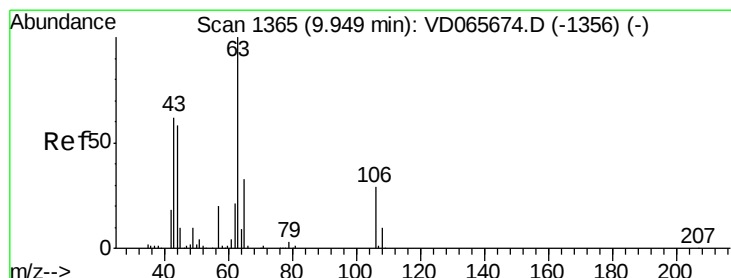
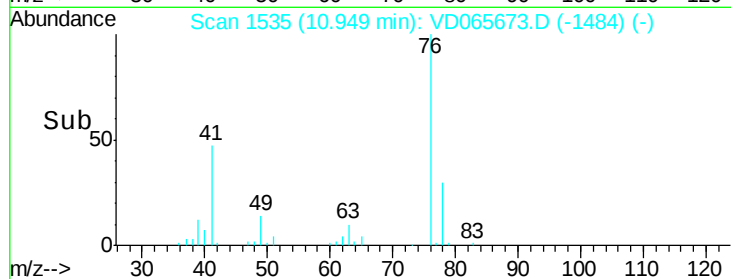
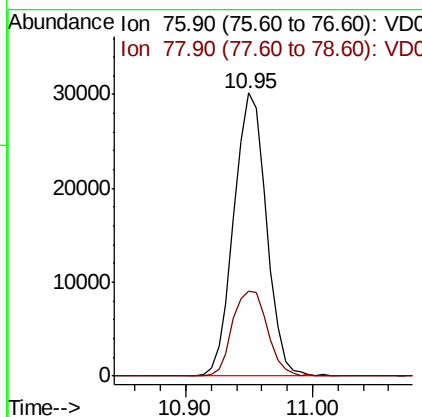
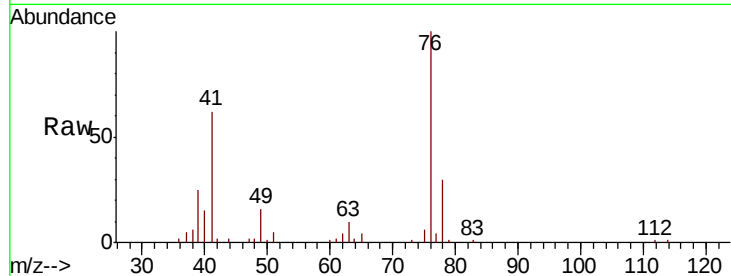




#57
 1,3-Dichloropropane
 Concen: 20.901 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

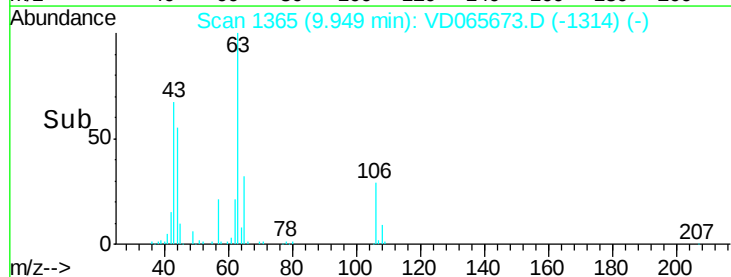
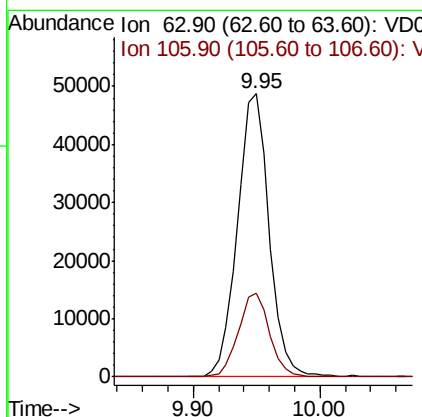
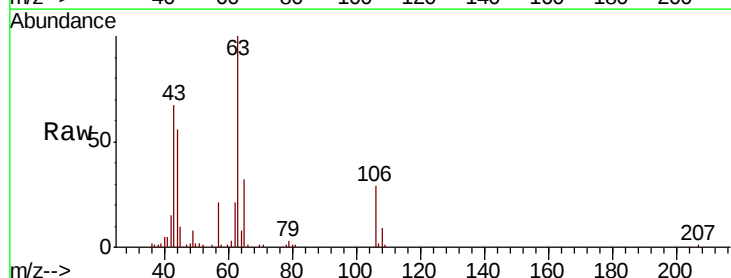
Instrument :
 MSVOA_D
 ClientSampleId :

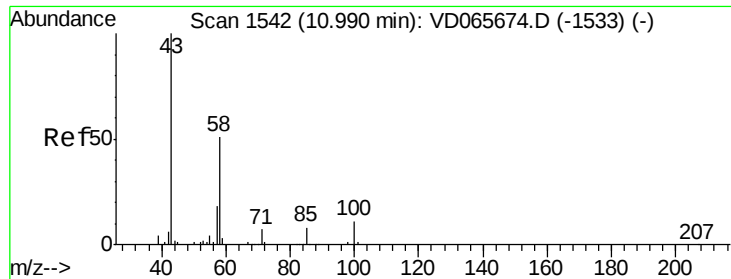
Tot Ion: 76 Resp: 53656
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.996 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Tgt Ion: 63 Resp: 84302
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.9 34.3

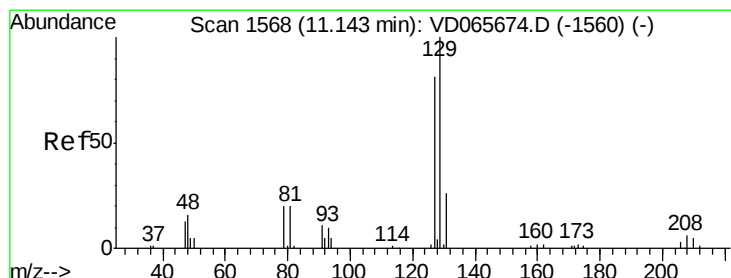
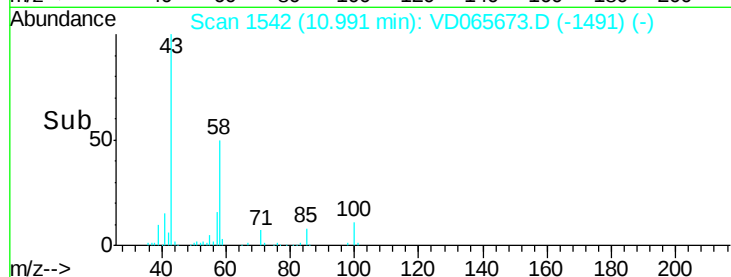
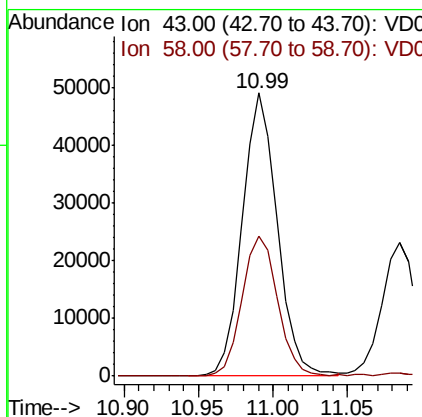
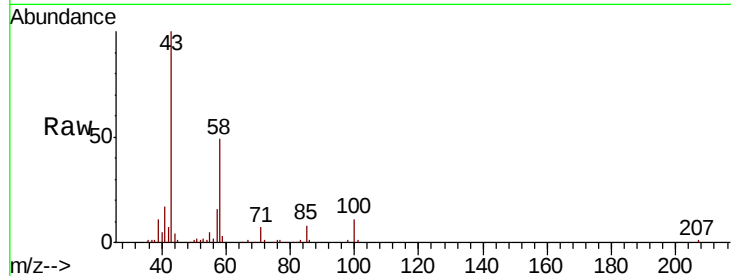




#59
2-Hexanone
Concen: 106.169 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

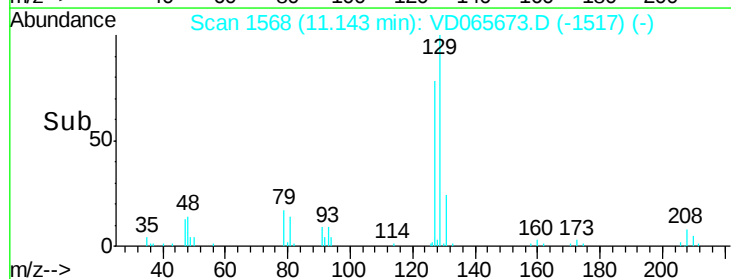
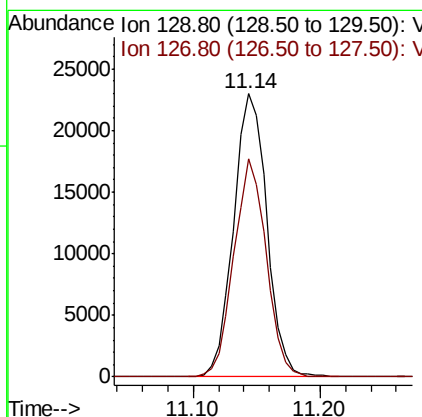
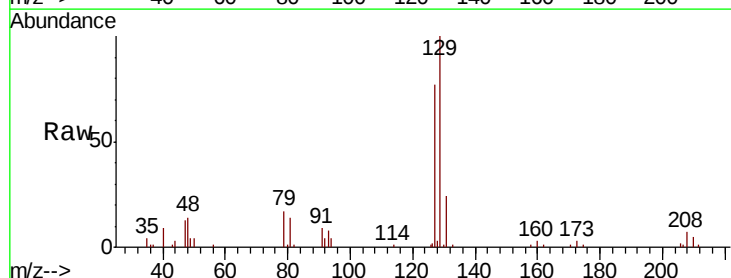
Instrument :
MSVOA_D
ClientSampled :

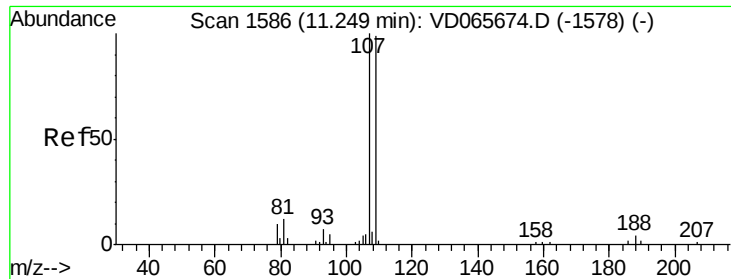
Tot Ion: 43 Resp: 79612
Ion Ratio Lower Upper
43 100
58 50.3 24.9 74.7



#60
Dibromochloromethane
Concen: 20.205 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion: 129 Resp: 41763
Ion Ratio Lower Upper
129 100
127 74.7 39.5 118.5

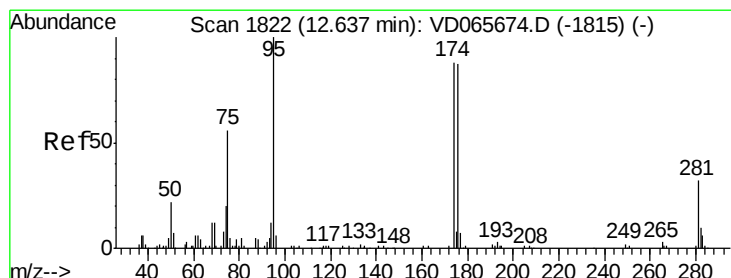
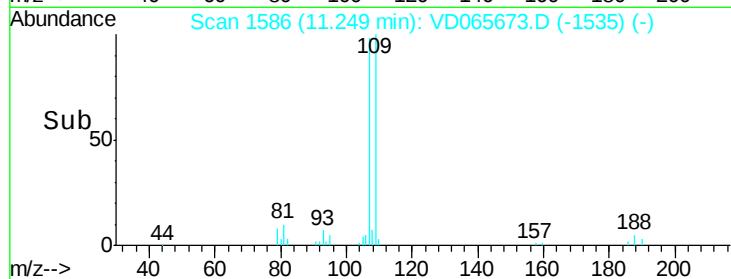
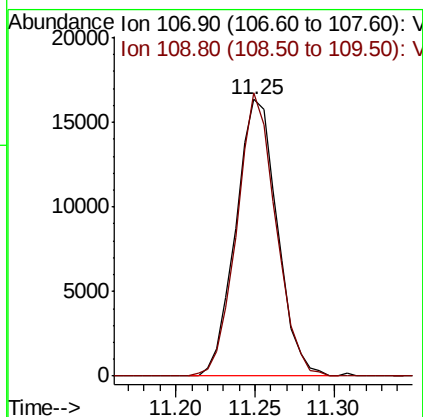
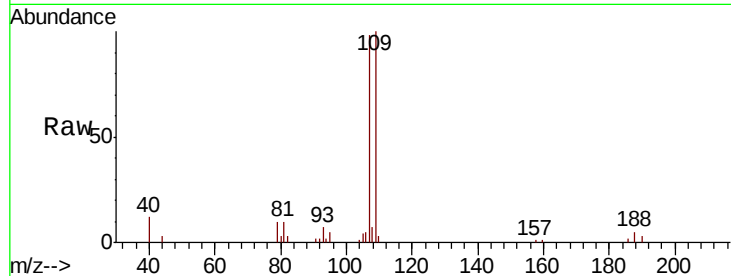




#61
 1,2-Dibromoethane
 Concen: 20.847 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

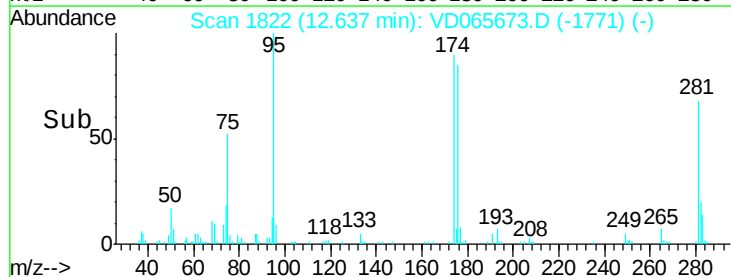
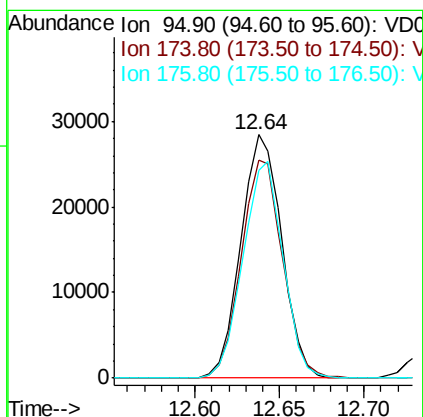
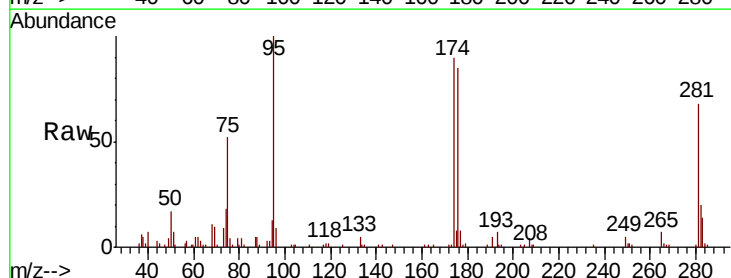
Instrument :
 MSVOA_D
 ClientSampleId :

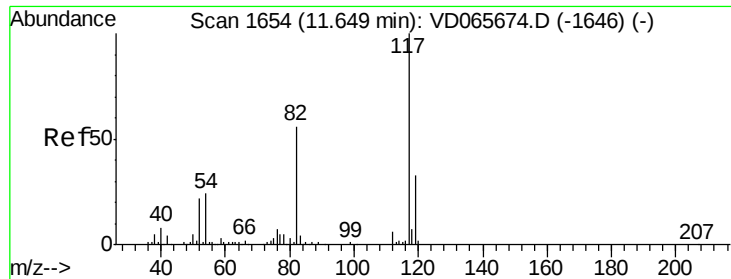
Tot Ion:107 Resp: 29673
 Ion Ratio Lower Upper
 107 100
 109 96.3 77.2 115.8



#62
 4-Bromofluorobenzene
 Concen: 21.103 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Tgt Ion: 95 Resp: 47825
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 181.0
 176 87.5 0.0 178.0

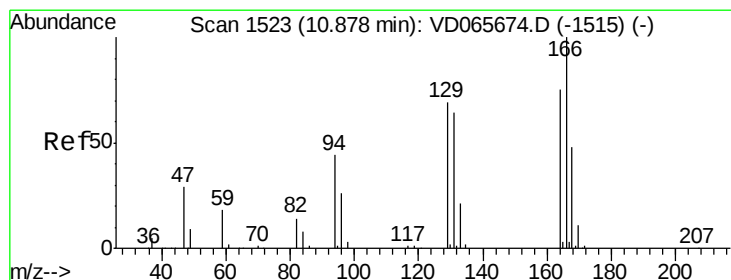
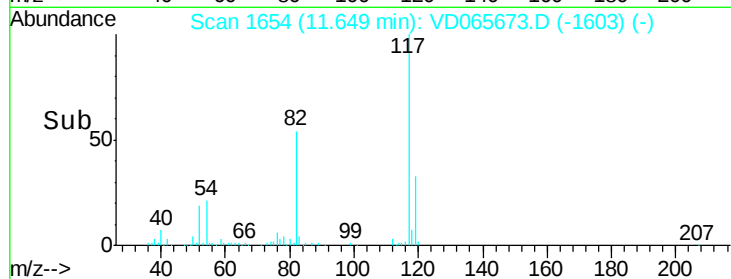
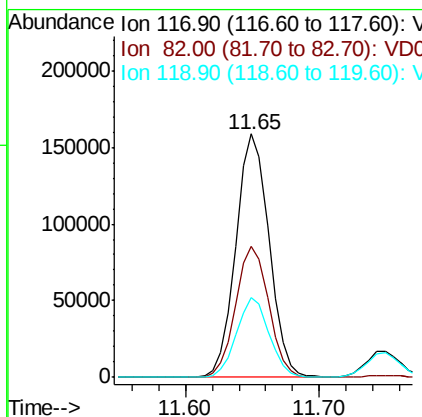
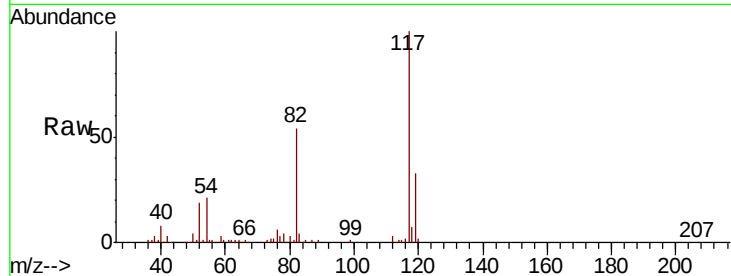




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

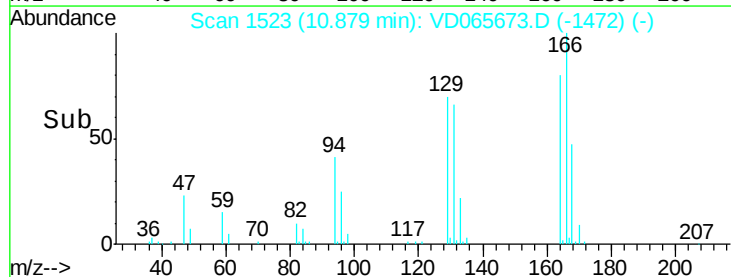
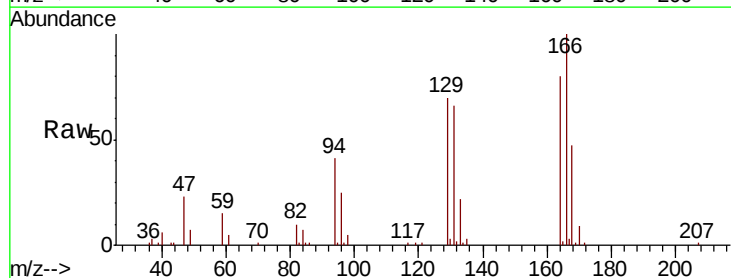
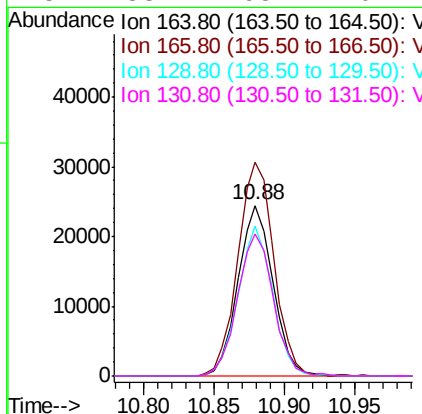
Instrument :
MSVOA_D
ClientSampleId :

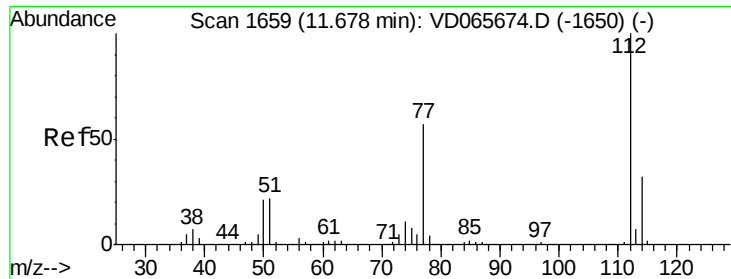
Tot Ion:117 Resp: 274275
Ion Ratio Lower Upper
117 100
82 54.0 44.6 67.0
119 32.9 26.2 39.2



#64
Tetrachloroethene
Concen: 20.041 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion:164 Resp: 42263
Ion Ratio Lower Upper
164 100
166 125.4 106.1 159.1
129 87.8 73.0 109.4
131 83.2 68.1 102.1

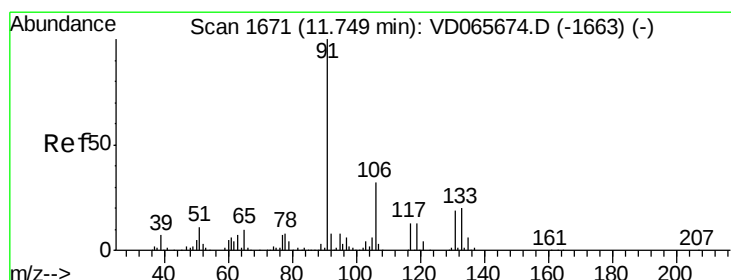
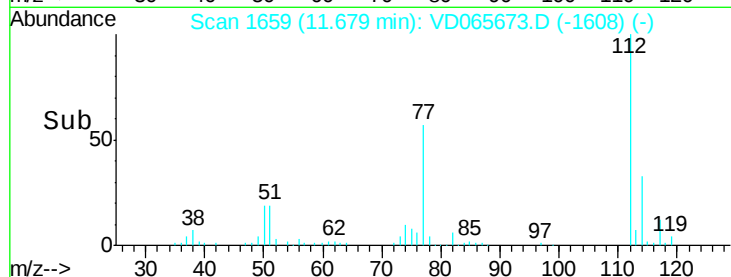
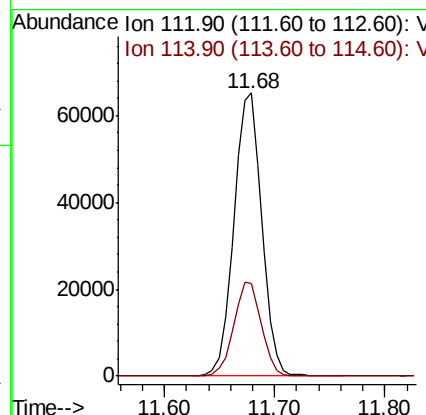
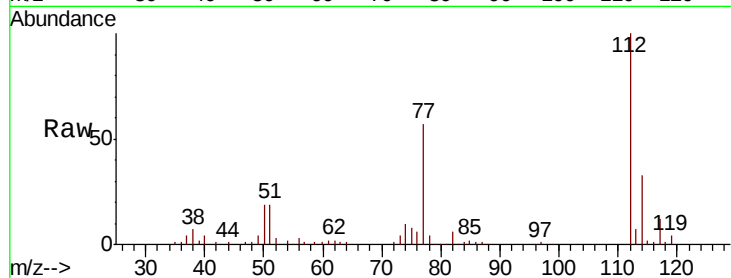




#65
Chlorobenzene
Concen: 19.780 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

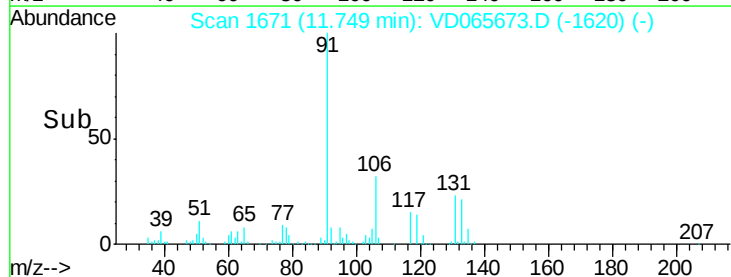
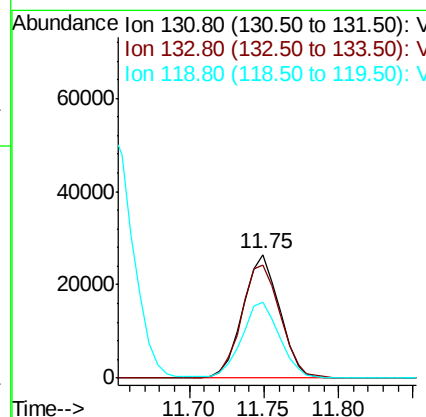
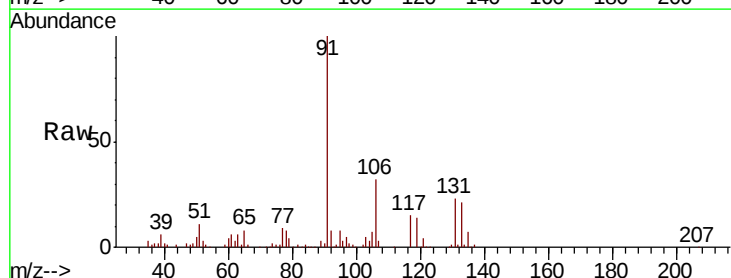
Instrument :
MSVOA_D
ClientSampleId :

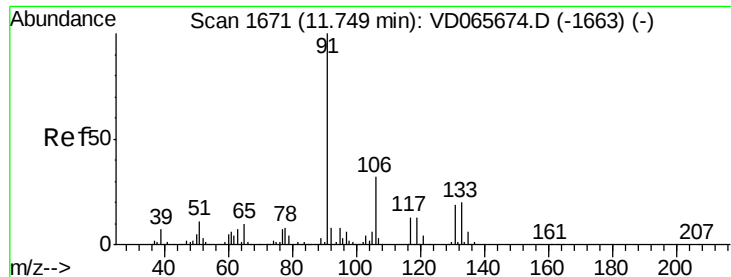
Tot Ion:112 Resp: 115525
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.008 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion:131 Resp: 45147
Ion Ratio Lower Upper
131 100
133 96.9 48.9 146.7
119 63.2 32.6 97.7

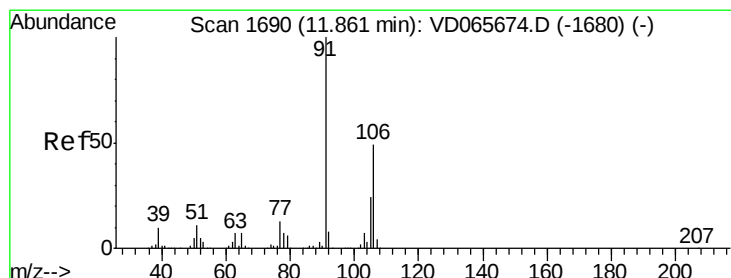
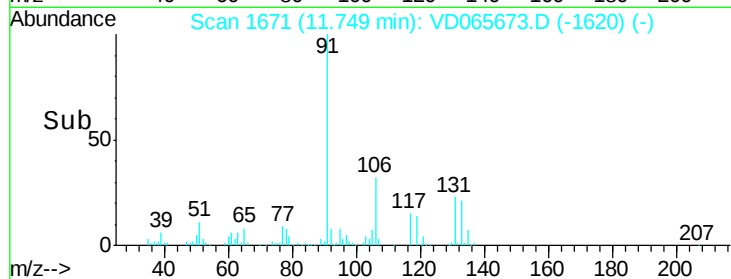
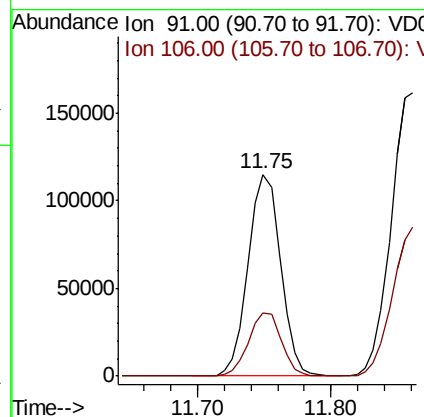
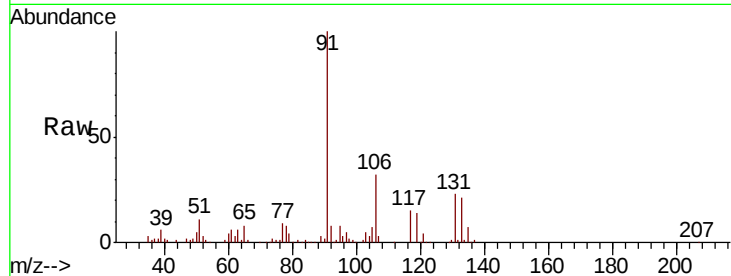




#67
Ethyl Benzene
Concen: 20.653 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

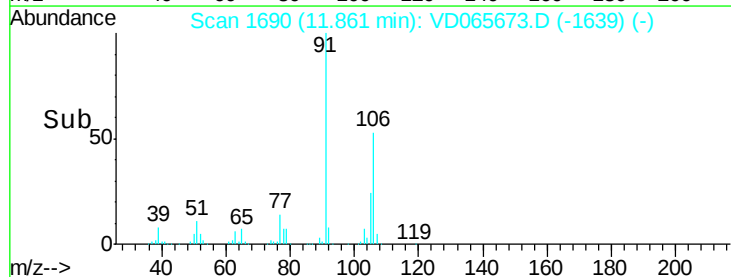
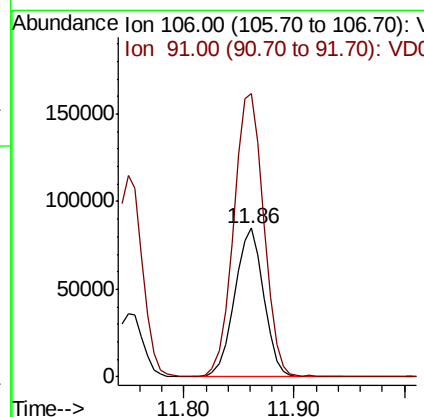
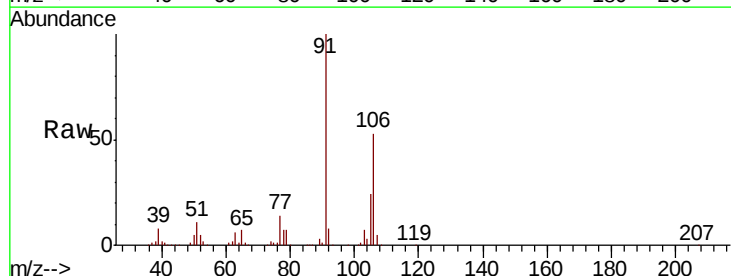
Instrument :
MSVOA_D
ClientSampled :

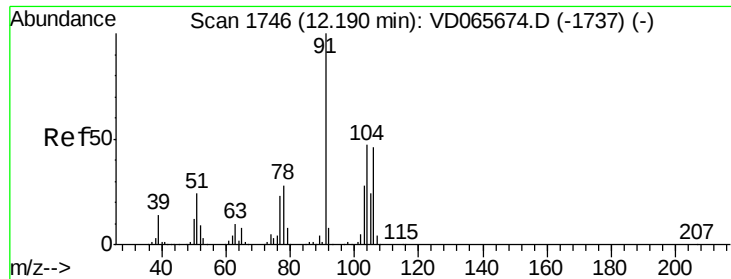
Tot Ion: 91 Resp: 194650
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9



#68
m/p-Xylenes
Concen: 42.768 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion: 106 Resp: 157039
Ion Ratio Lower Upper
106 100
91 197.3 163.6 245.4

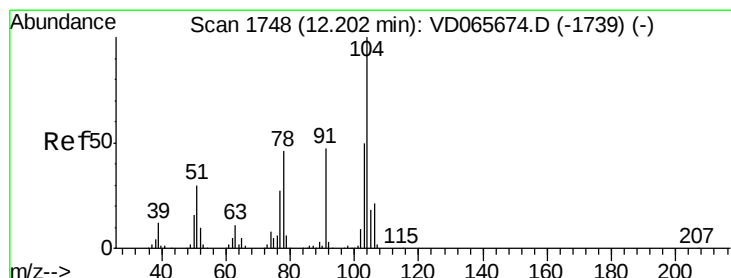
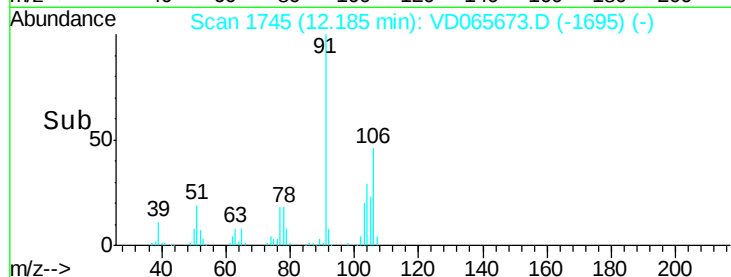
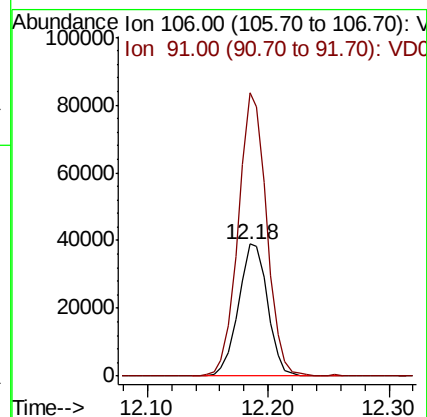
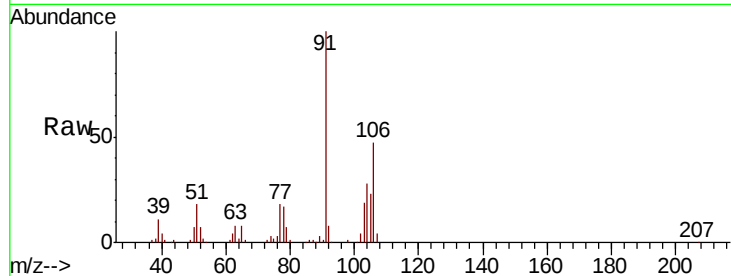




#69
o-Xylene
Concen: 21.416 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

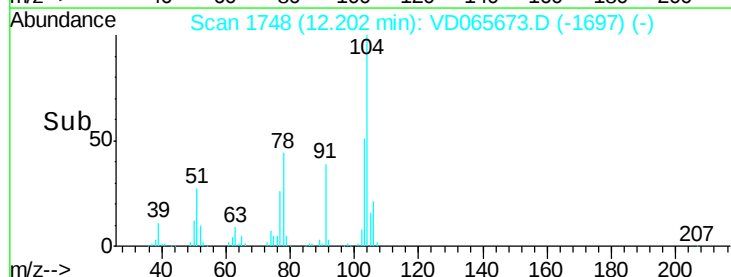
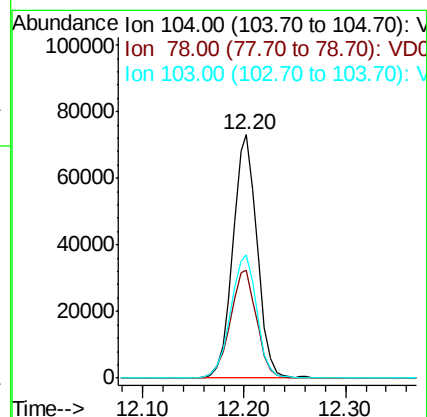
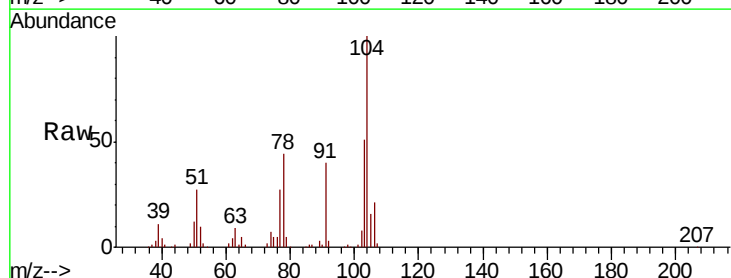
Instrument :
MSVOA_D
ClientSampled :

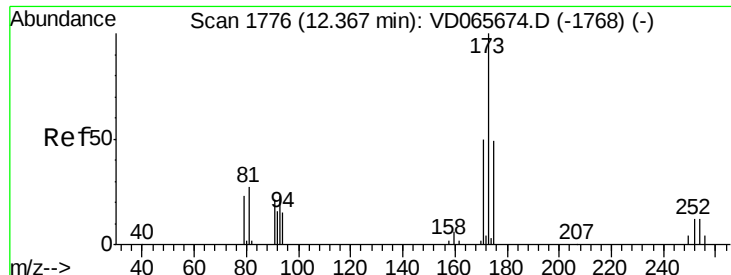
Tot Ion:106 Resp: 65900
Ion Ratio Lower Upper
106 100
91 209.3 109.9 329.8



#70
Styrene
Concen: 21.706 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion:104 Resp: 120971
Ion Ratio Lower Upper
104 100
78 47.9 39.6 59.4
103 54.7 43.7 65.5





#71

Bromoform

Concen: 20.026 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

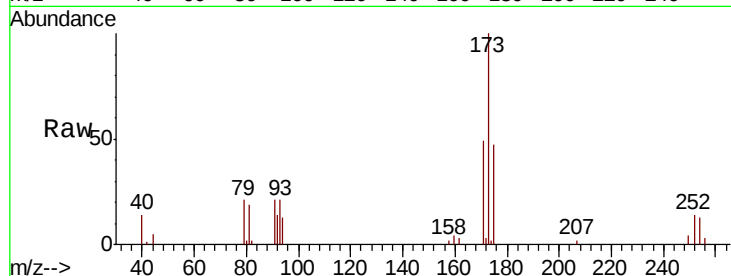
Tot Ion:173 Resp: 25270

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.0	0.0	0.0

173 100

175 48.5 24.3 73.0

254 0.0 0.0 0.0

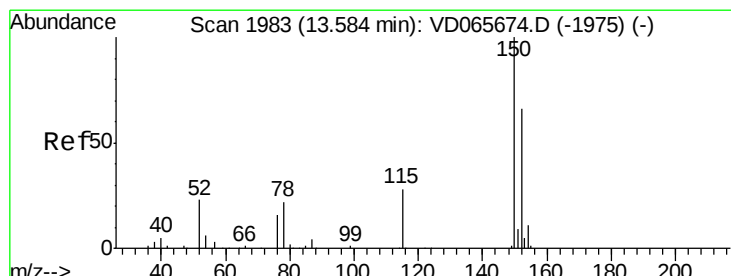
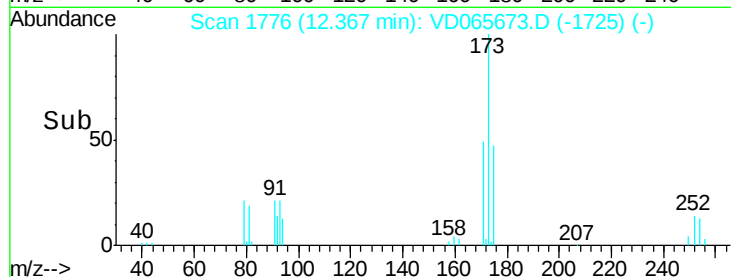
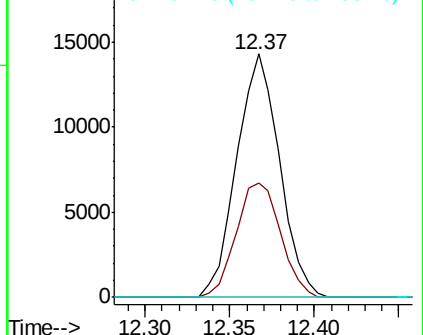


Abundance

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# 1983

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

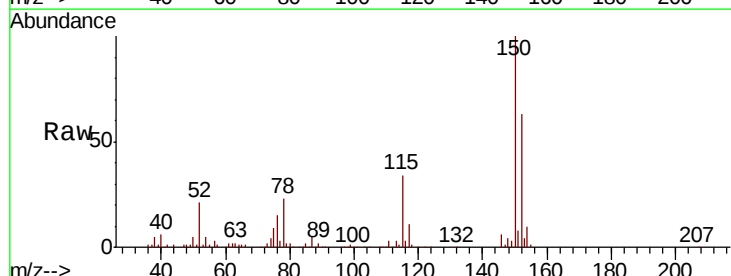
Tgt Ion:152 Resp: 146471

Ion	Ratio	Lower	Upper
152	100		
115	54.3	28.1	84.2
150	164.0	0.0	343.2

152 100

115 54.3 28.1 84.2

150 164.0 0.0 343.2

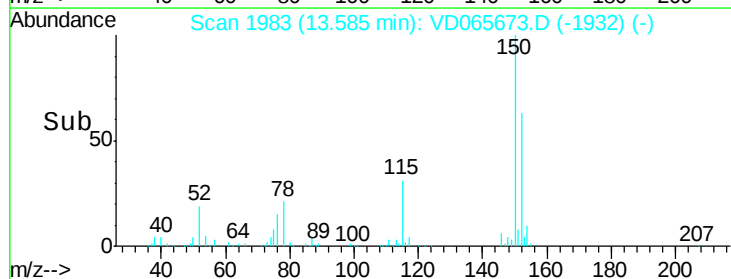
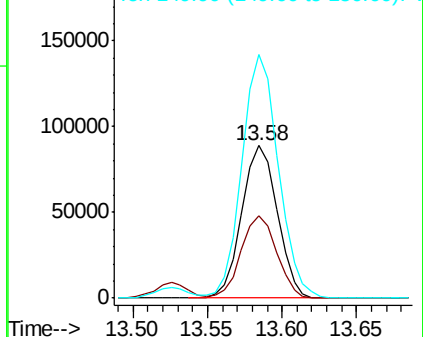


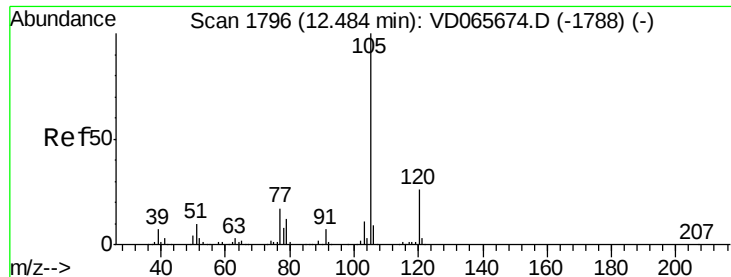
Abundance

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: 21.137 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

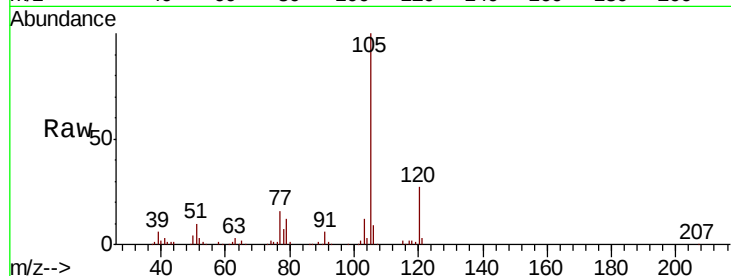
ClientSampleId :

Tot Ion:105 Resp: 180614

Ion Ratio Lower Upper

105 100

120 27.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

120000

100000

80000

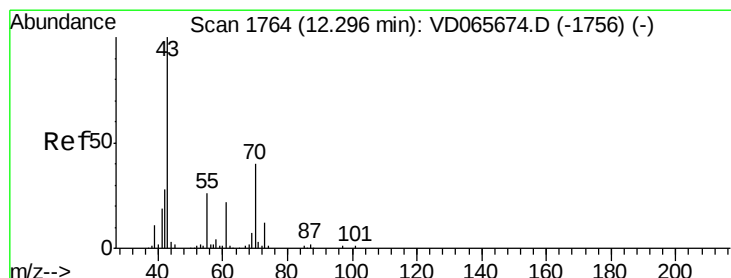
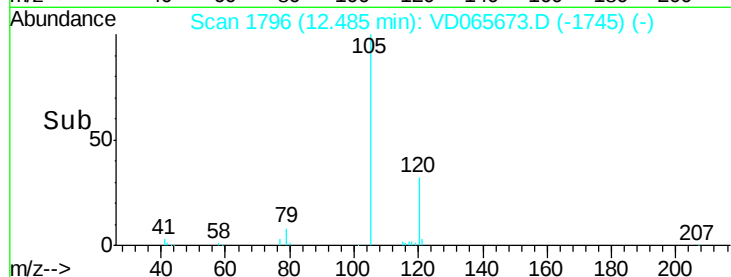
60000

40000

20000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 20.393 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Tgt Ion: 43 Resp: 39272

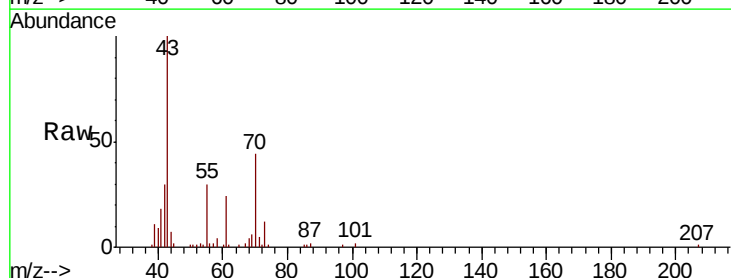
Ion Ratio Lower Upper

43 100

70 42.5 32.2 48.4

55 29.9 21.4 32.2

61 22.8 17.9 26.9



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

40000

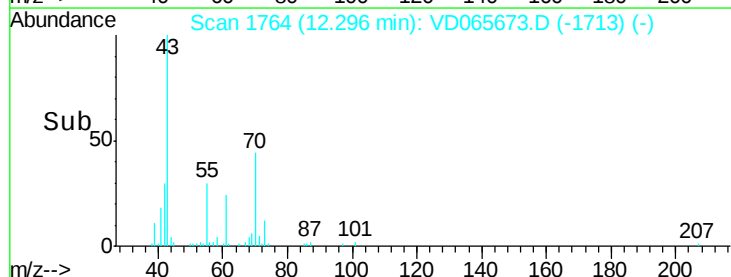
30000

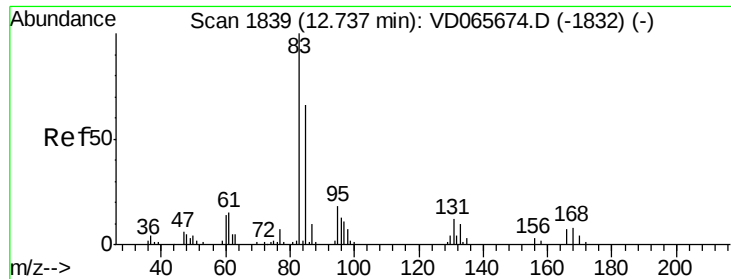
20000

10000

0

Time--> 12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 20.370 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

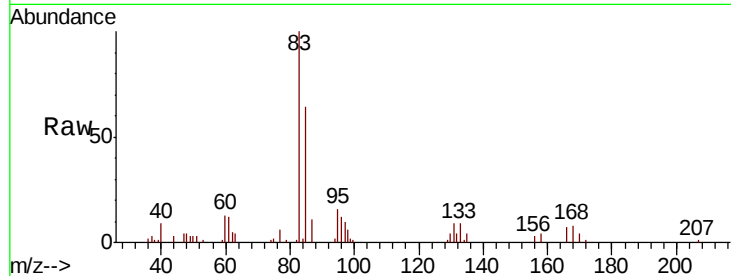
Tot Ion: 83 Resp: 35021

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.7

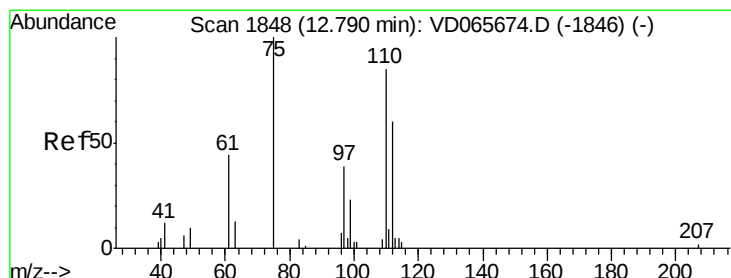
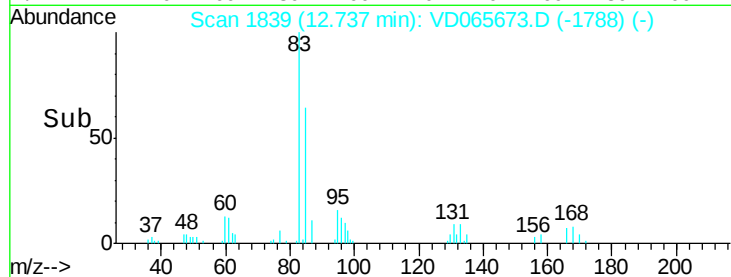
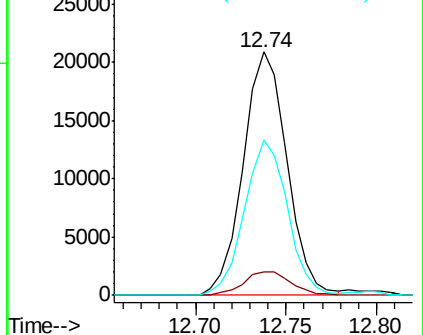
85 62.7 32.1 96.3



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: 34.682 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065673.D

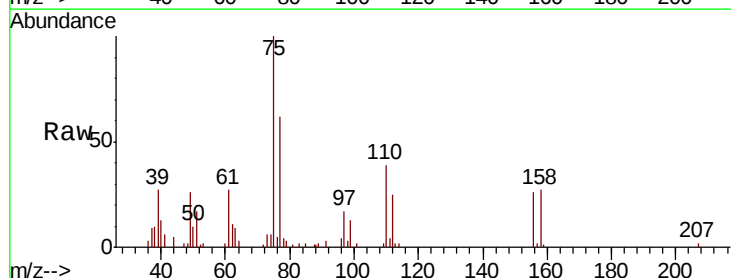
Acq: 24 Apr 2020 13:02

Tgt Ion: 75 Resp: 44954

Ion Ratio Lower Upper

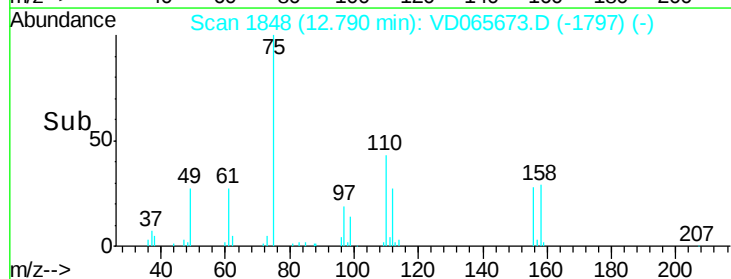
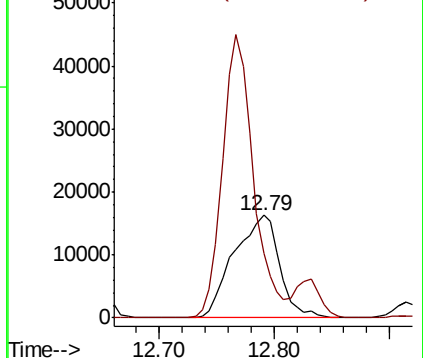
75 100

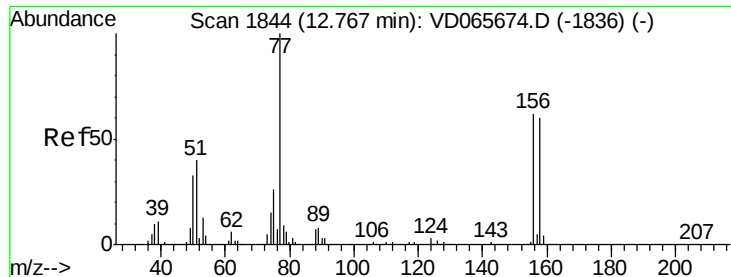
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.518 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

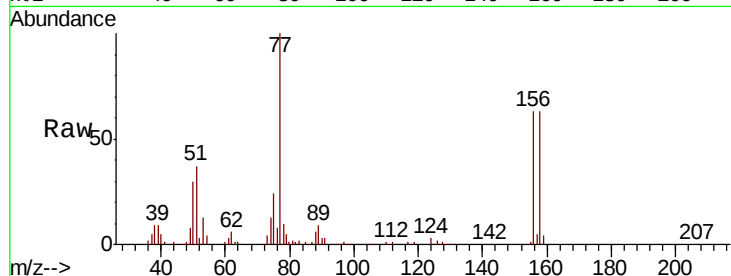
Tot Ion:156 Resp: 48555

Ion Ratio Lower Upper

156 100

77 171.7 87.3 261.9

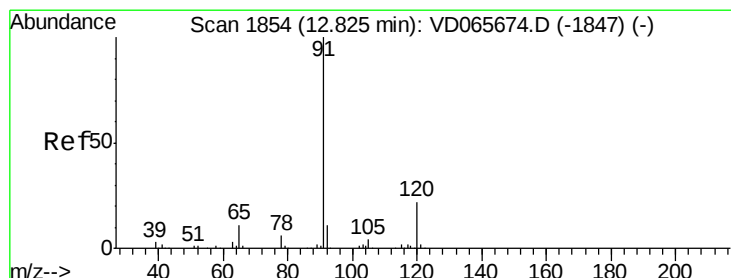
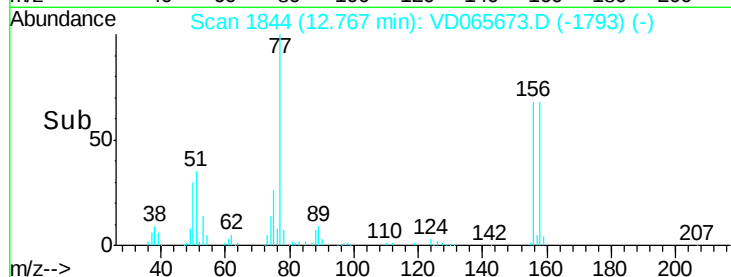
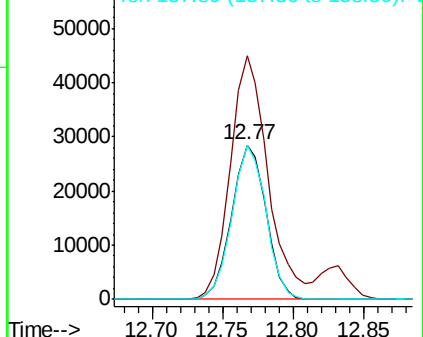
158 98.3 47.8 143.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.353 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065673.D

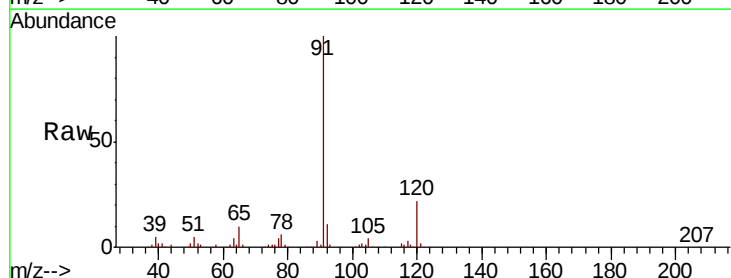
Acq: 24 Apr 2020 13:02

Tgt Ion: 91 Resp: 229070

Ion Ratio Lower Upper

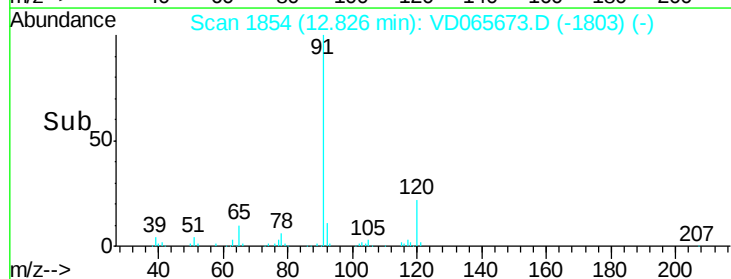
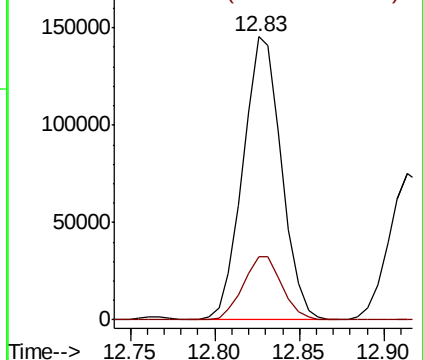
91 100

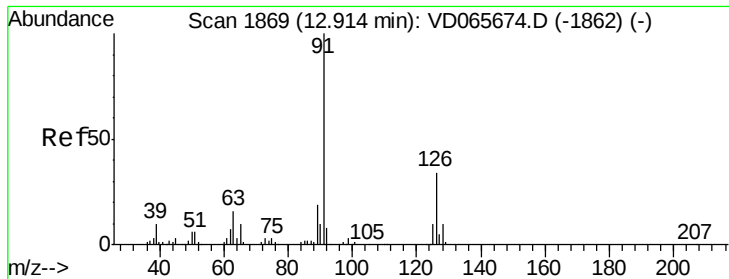
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.478 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

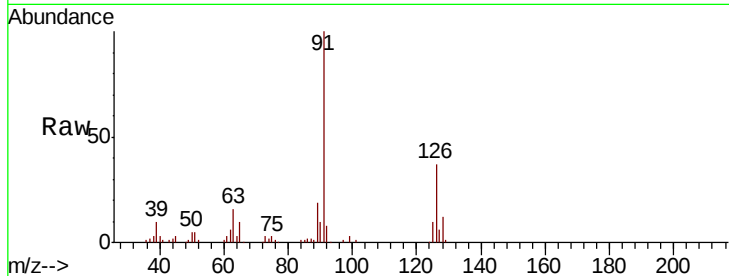
ClientSampleId :

Tot Ion: 91 Resp: 127405

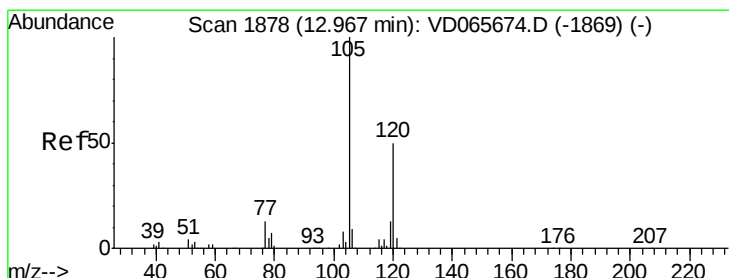
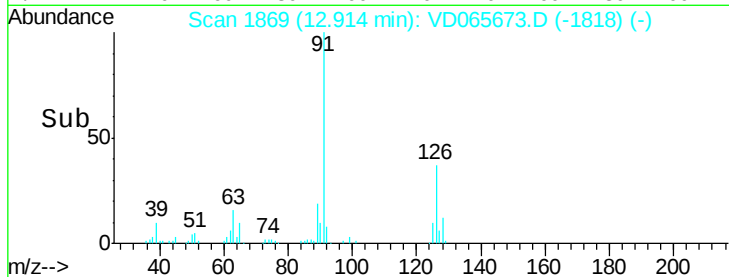
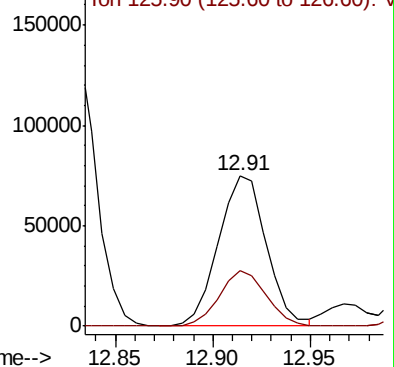
Ion Ratio Lower Upper

91 100

126 35.9 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.588 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065673.D

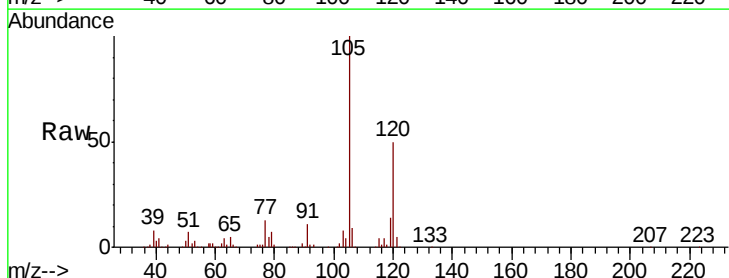
Acq: 24 Apr 2020 13:02

Tgt Ion:105 Resp: 158130

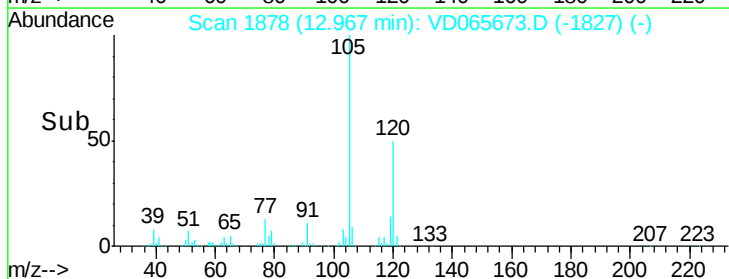
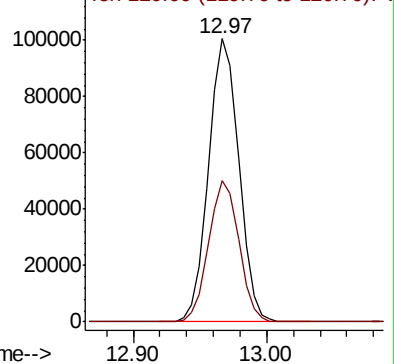
Ion Ratio Lower Upper

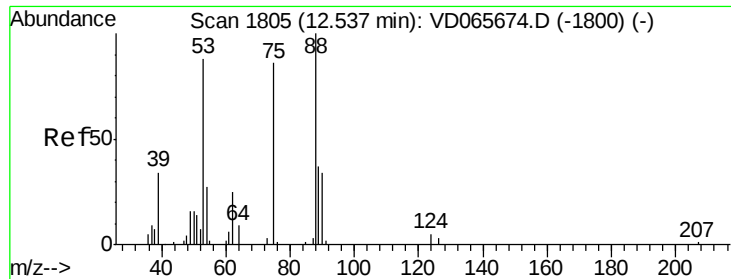
105 100

120 49.8 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

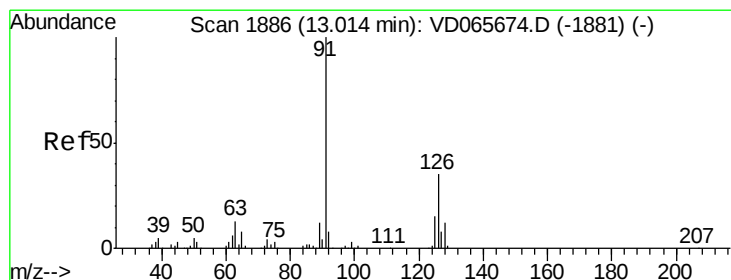
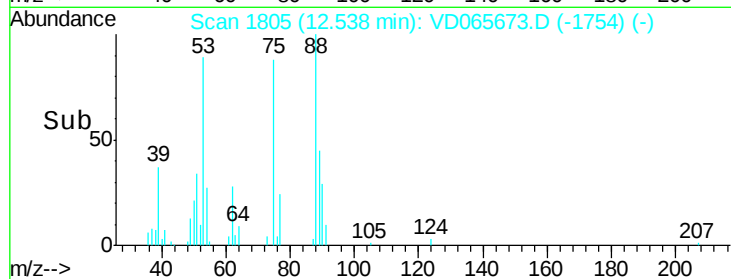
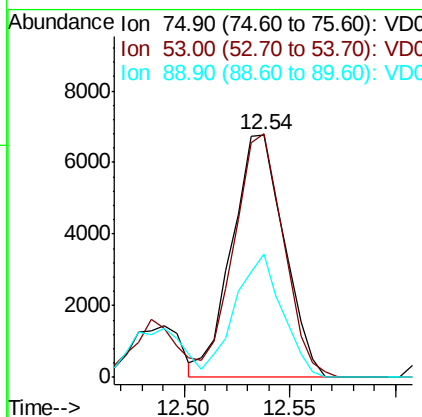
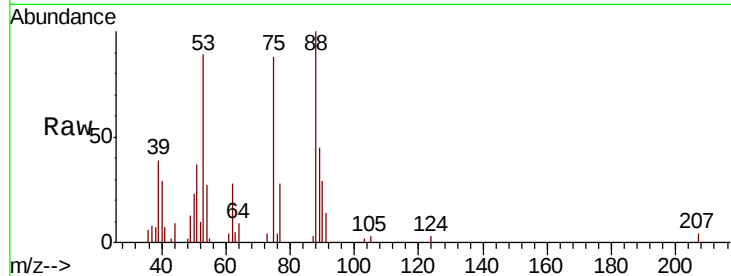




#81
trans-1,4-Dichloro-2-butene
Concen: 22.387 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

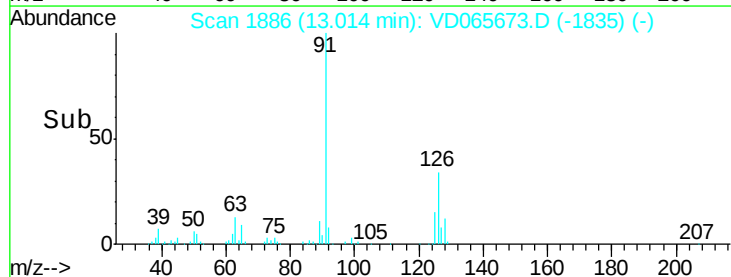
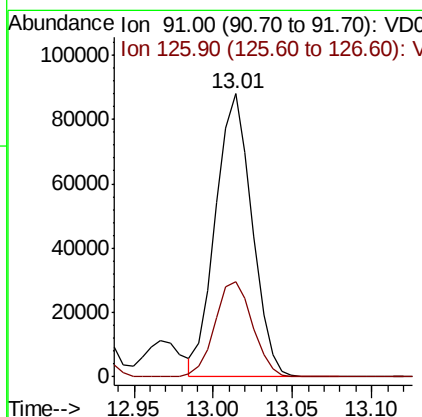
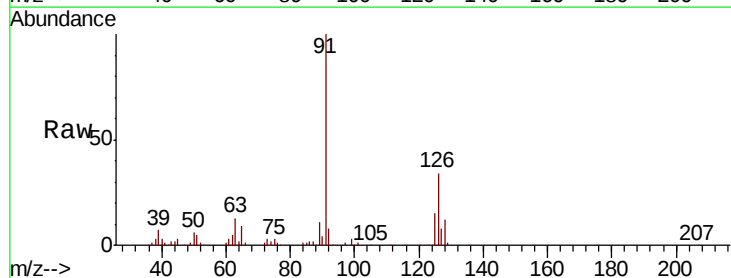
Instrument :
MSVOA_D
ClientSampled :

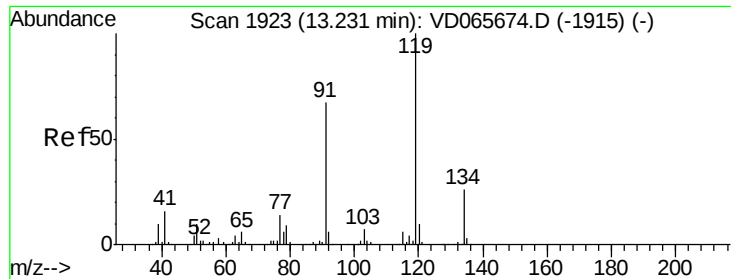
Tot Ion: 75 Resp: 11626
Ion Ratio Lower Upper
75 100
53 94.7 86.6 129.8
89 46.0 38.2 57.4



#82
4-Chlorotoluene
Concen: 20.856 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion: 91 Resp: 141068
Ion Ratio Lower Upper
91 100
126 34.7 16.8 50.4

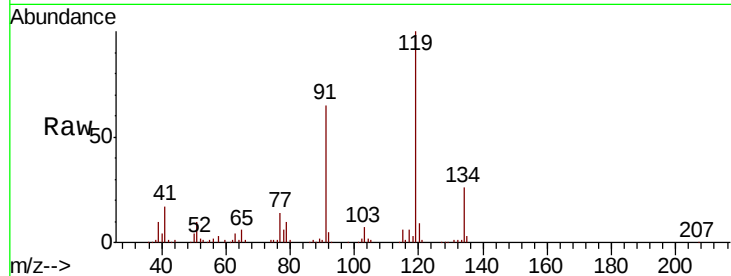




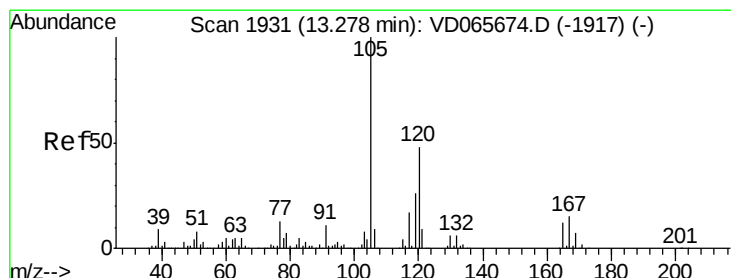
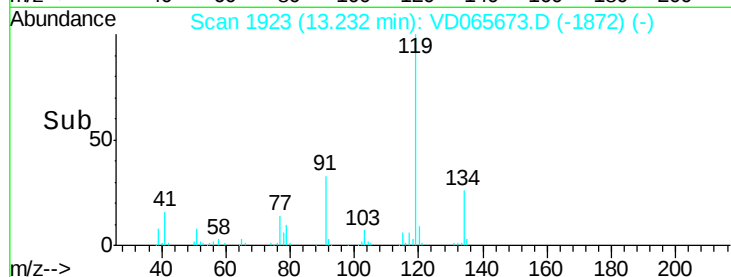
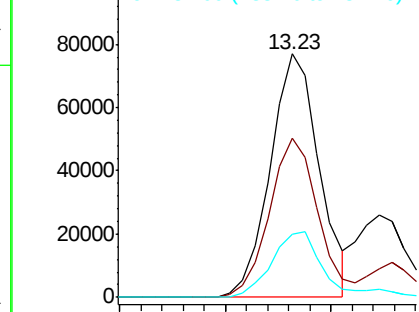
#83
tert-Butylbenzene
Concen: 21.073 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 124333
Ion Ratio Lower Upper
119 100
91 64.9 33.3 99.9
134 29.1 14.2 42.6

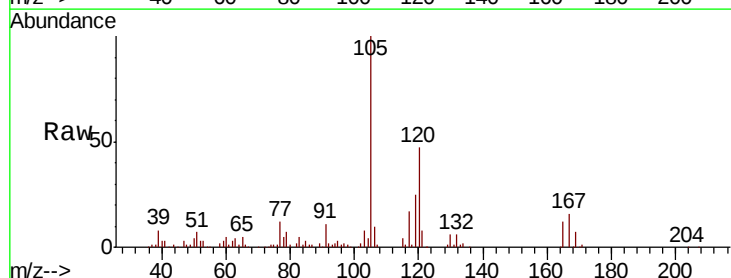


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

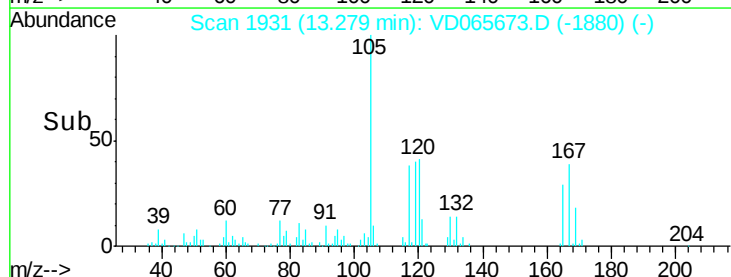
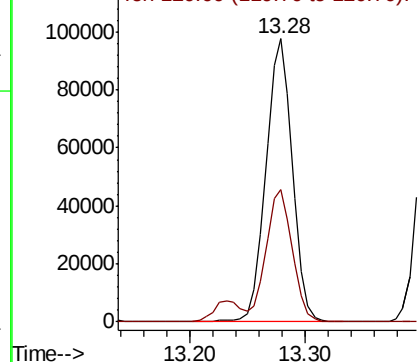


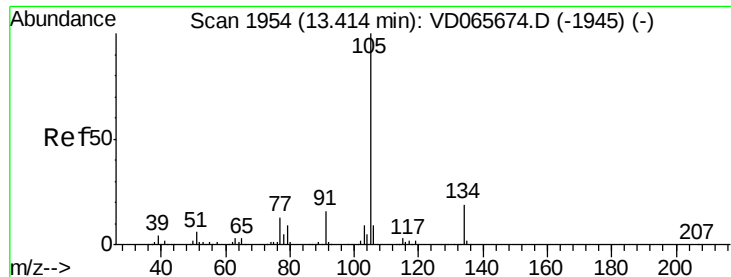
#84
1,2,4-Trimethylbenzene
Concen: 21.522 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion:105 Resp: 156231
Ion Ratio Lower Upper
105 100
120 46.4 23.2 69.5



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

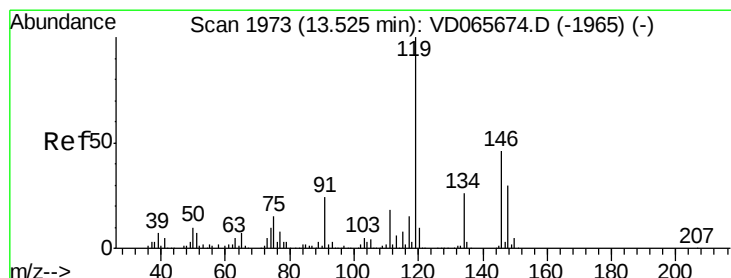
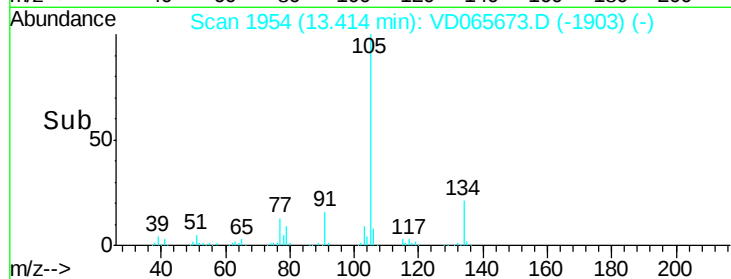
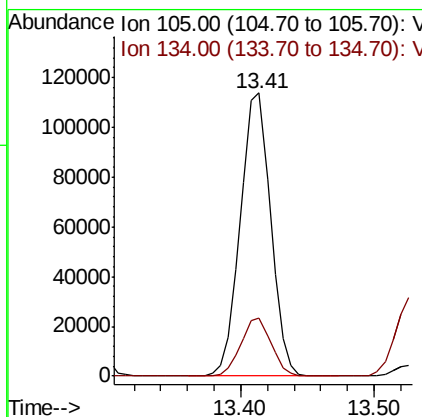
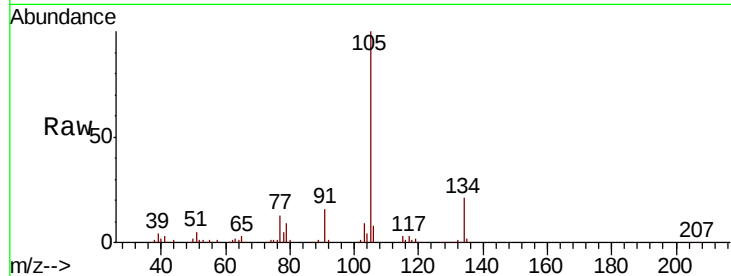




#85
 sec-Butylbenzene
 Concen: 20.637 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

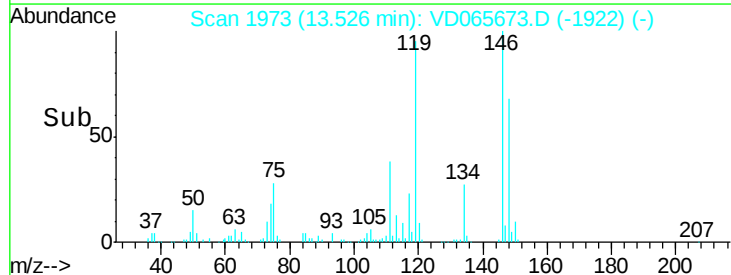
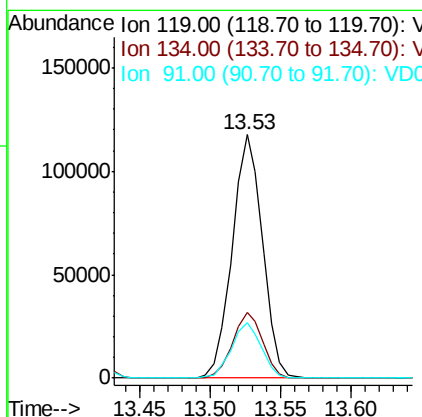
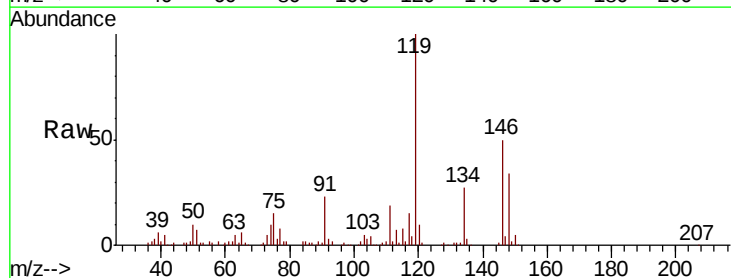
Instrument :
 MSVOA_D
 ClientSampleId :

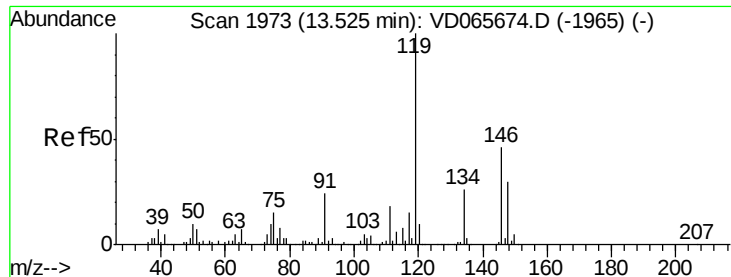
Tot Ion:105 Resp: 179035
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 21.575 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Tgt Ion:119 Resp: 175311
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.2 39.5
 91 22.6 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 20.531 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

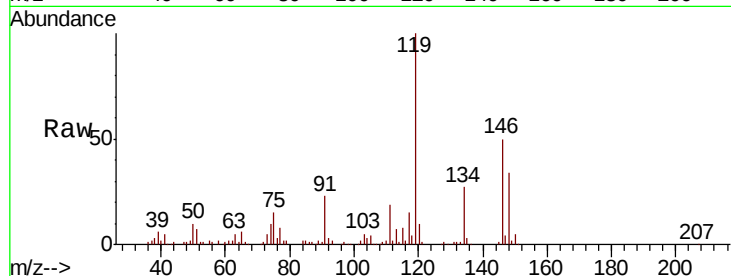
Tot Ion:146 Resp: 96072

Ion Ratio Lower Upper

146 100

111 37.4 19.3 57.9

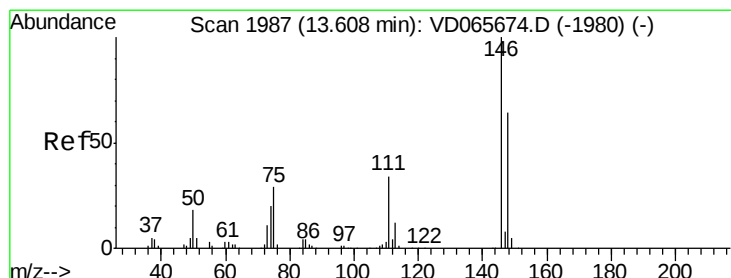
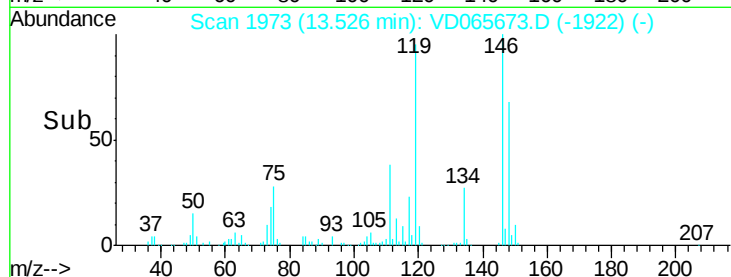
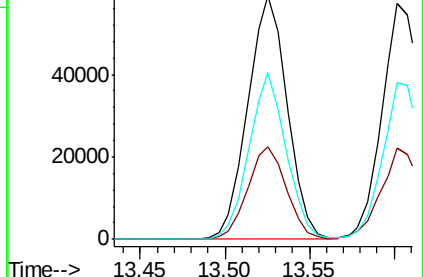
148 64.5 32.6 97.8



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



#88

1,4-Dichlorobenzene

Concen: 19.885 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.01 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

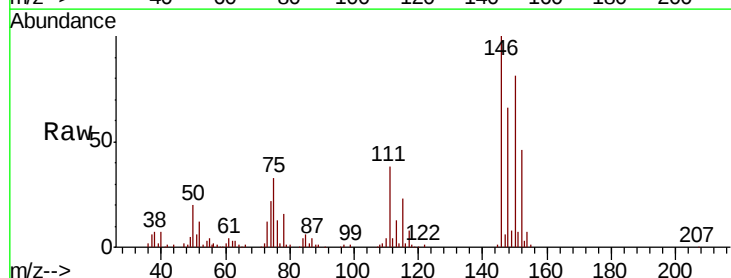
Tgt Ion:146 Resp: 94257

Ion Ratio Lower Upper

146 100

111 38.7 18.3 54.8

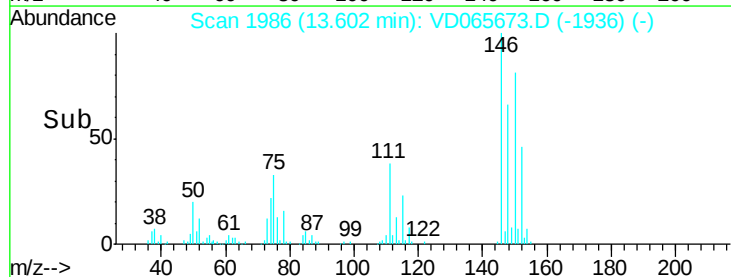
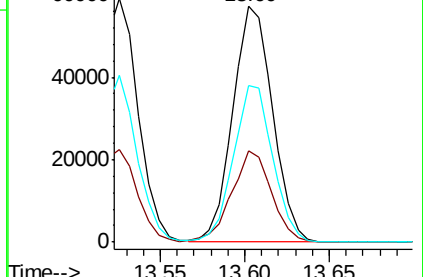
148 65.3 32.1 96.5

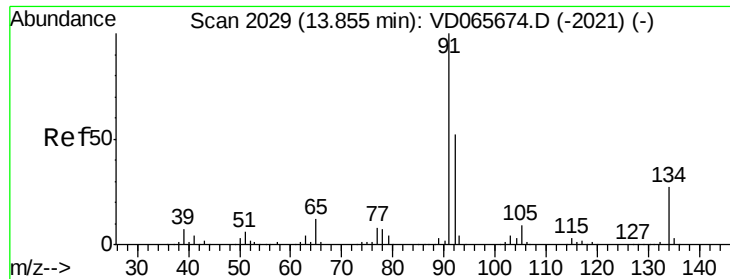


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

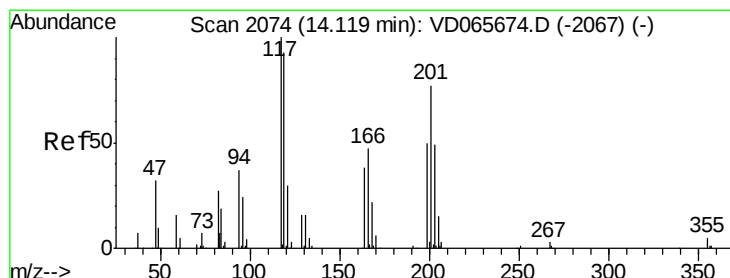
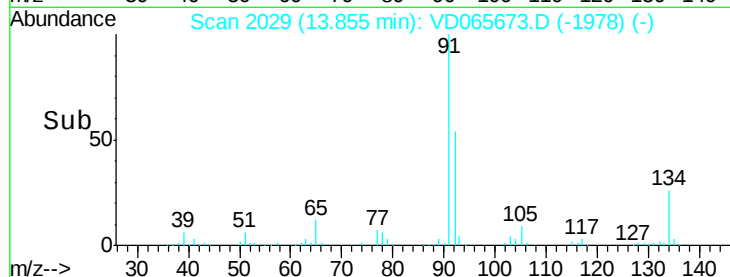
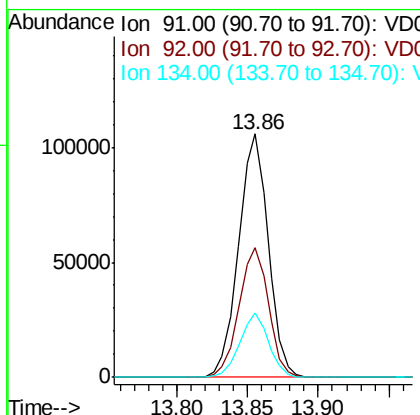
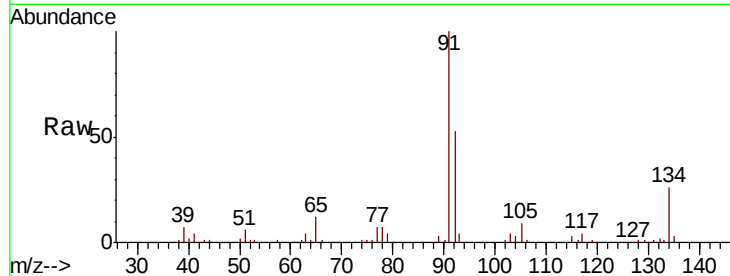




#89
n-Butylbenzene
Concen: 20.661 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

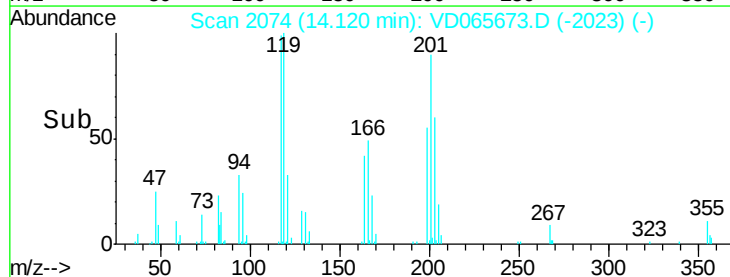
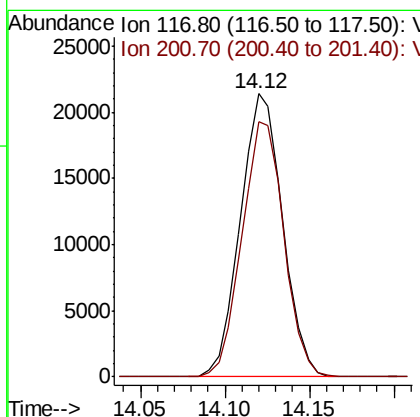
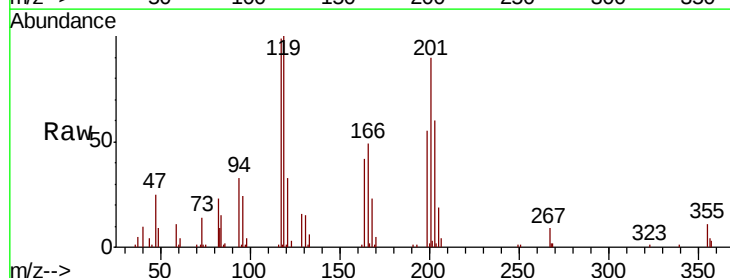
Instrument :
MSVOA_D
ClientSampled :

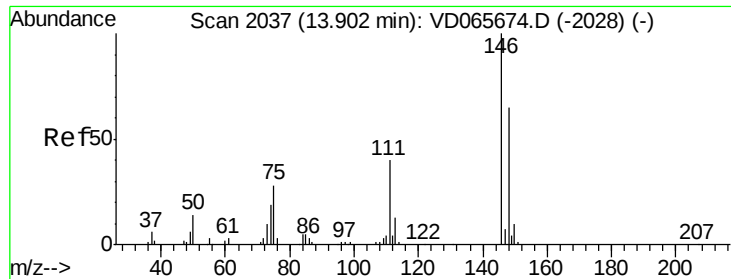
Tot Ion: 91 Resp: 155447
Ion Ratio Lower Upper
91 100
92 53.0 26.3 78.8
134 25.7 13.0 39.0



#90
Hexachloroethane
Concen: 19.357 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Tgt Ion: 117 Resp: 37076
Ion Ratio Lower Upper
117 100
201 89.6 42.1 126.3





#91

1,2-Dichlorobenzene

Concen: 20.582 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

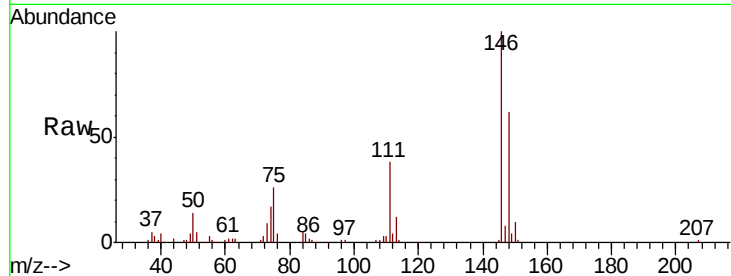
Tot Ion:146 Resp: 83481

Ion Ratio Lower Upper

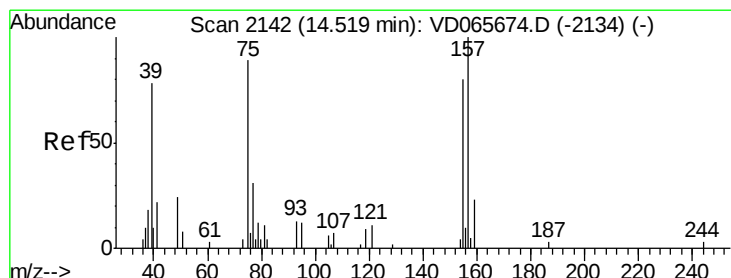
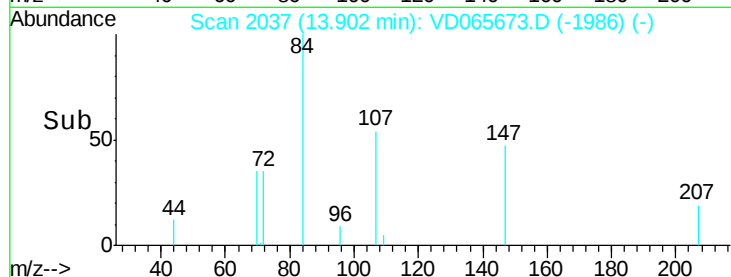
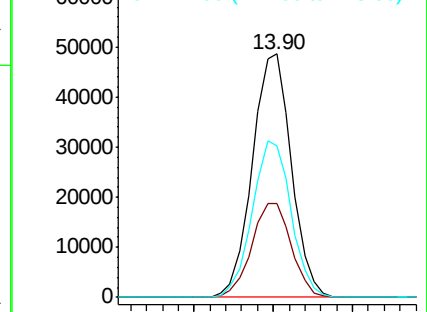
146 100

111 39.1 19.8 59.3

148 63.6 31.5 94.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.573 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

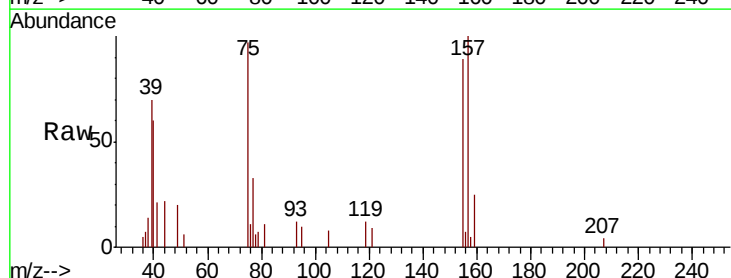
Tgt Ion: 75 Resp: 5252

Ion Ratio Lower Upper

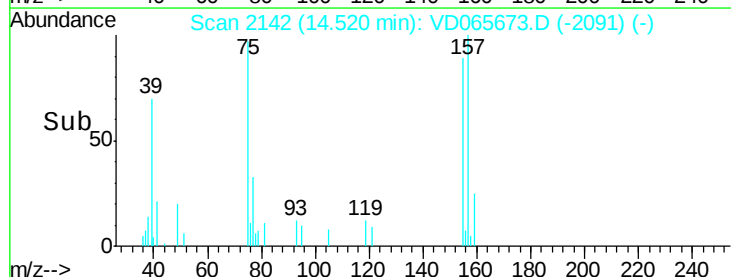
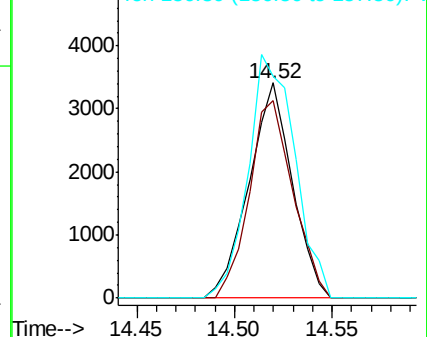
75 100

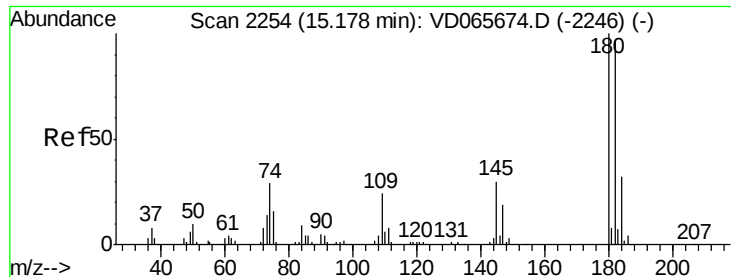
155 92.3 41.8 125.3

157 121.8 53.9 161.7



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

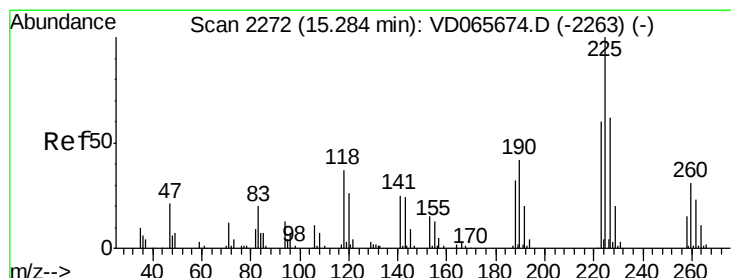
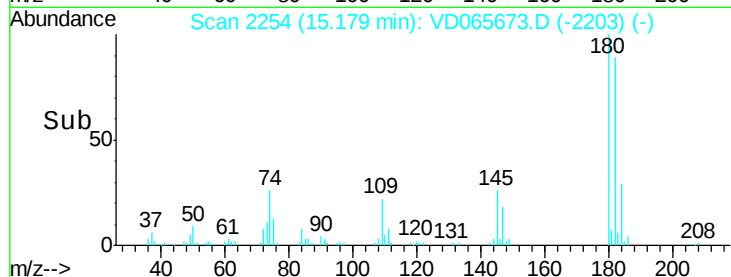
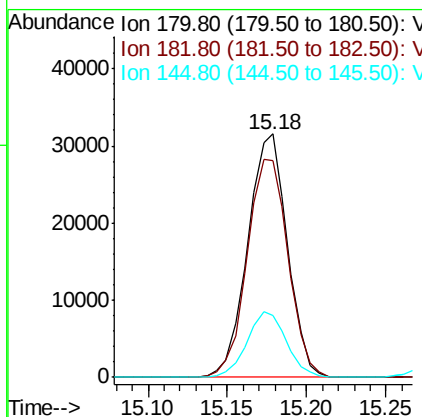
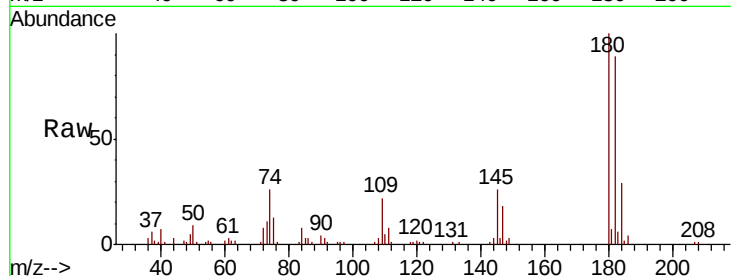




#93
 1,2,4-Trichlorobenzene
 Concen: 21.545 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

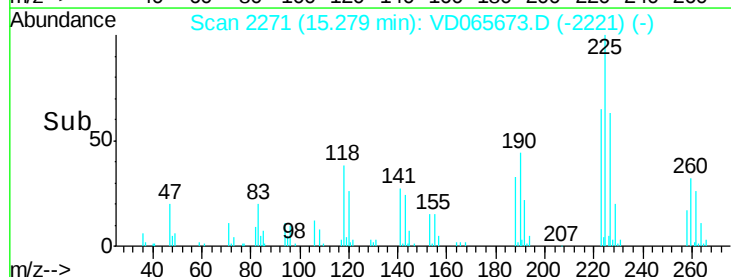
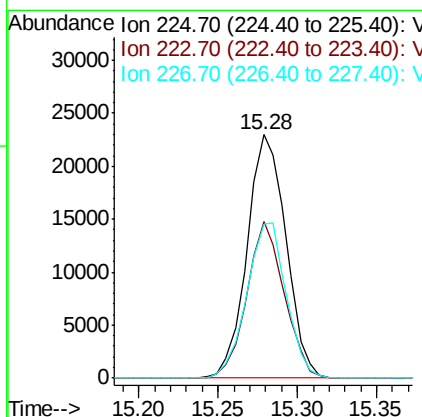
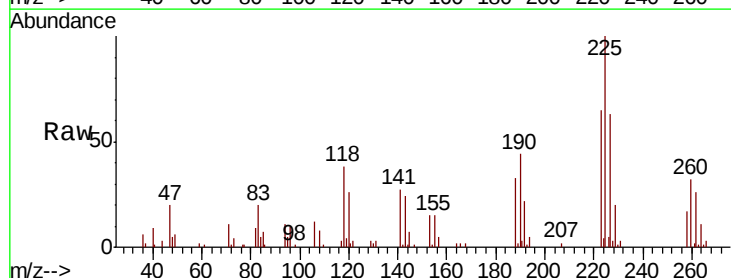
Instrument :
 MSVOA_D
 ClientSampleId :

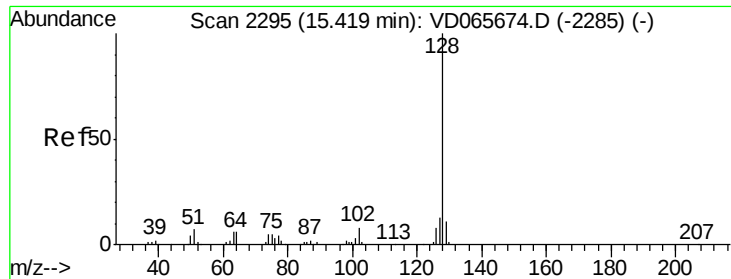
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.1	141.3
145	26.9	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 19.940 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.0	93.0
227	64.7	31.6	94.8





#95

Naphthalene

Concen: 21.369 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.01 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

Instrument :

MSVOA_D

ClientSampled :

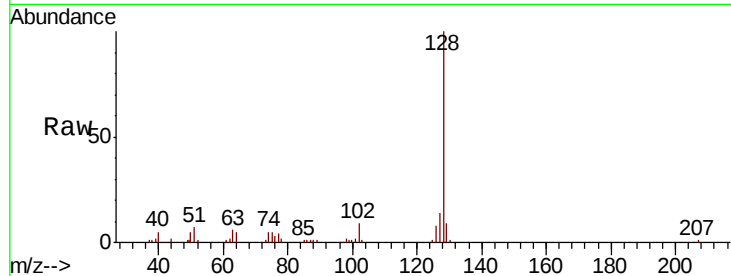
Tot Ion:128 Resp: 74950

Ion Ratio Lower Upper

128 100

127 14.0 11.4 17.0

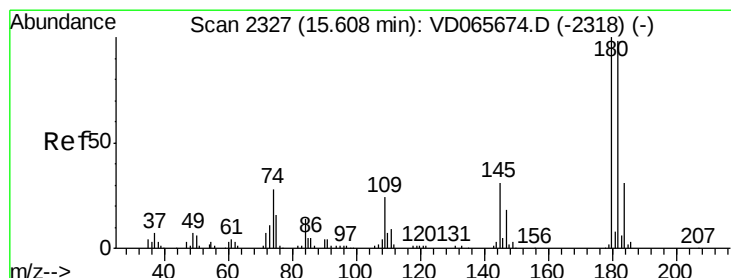
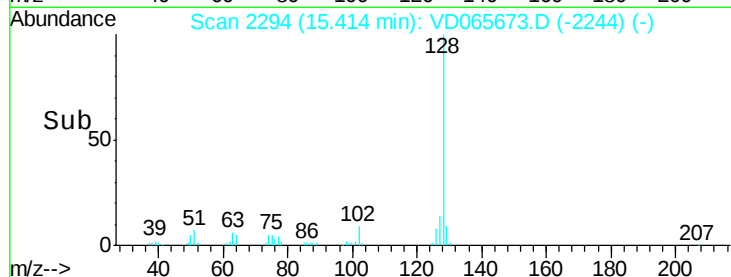
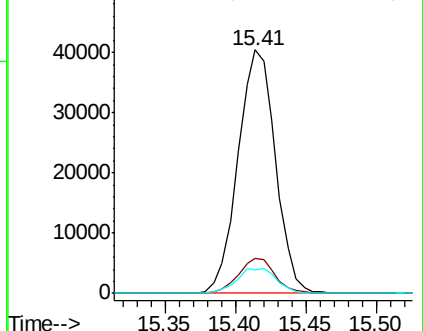
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.694 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065673.D

Acq: 24 Apr 2020 13:02

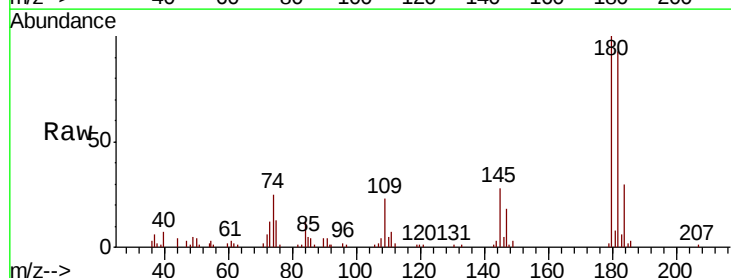
Tgt Ion:180 Resp: 47196

Ion Ratio Lower Upper

180 100

182 97.9 47.8 143.3

145 30.3 15.6 46.8



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

