

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 :
 VSTDIC020

Quant Time: Apr 24 14:26:18 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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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	24042m	18.548	ug/l	
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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QLast Update : Fri Apr 24 13:58:09 2020
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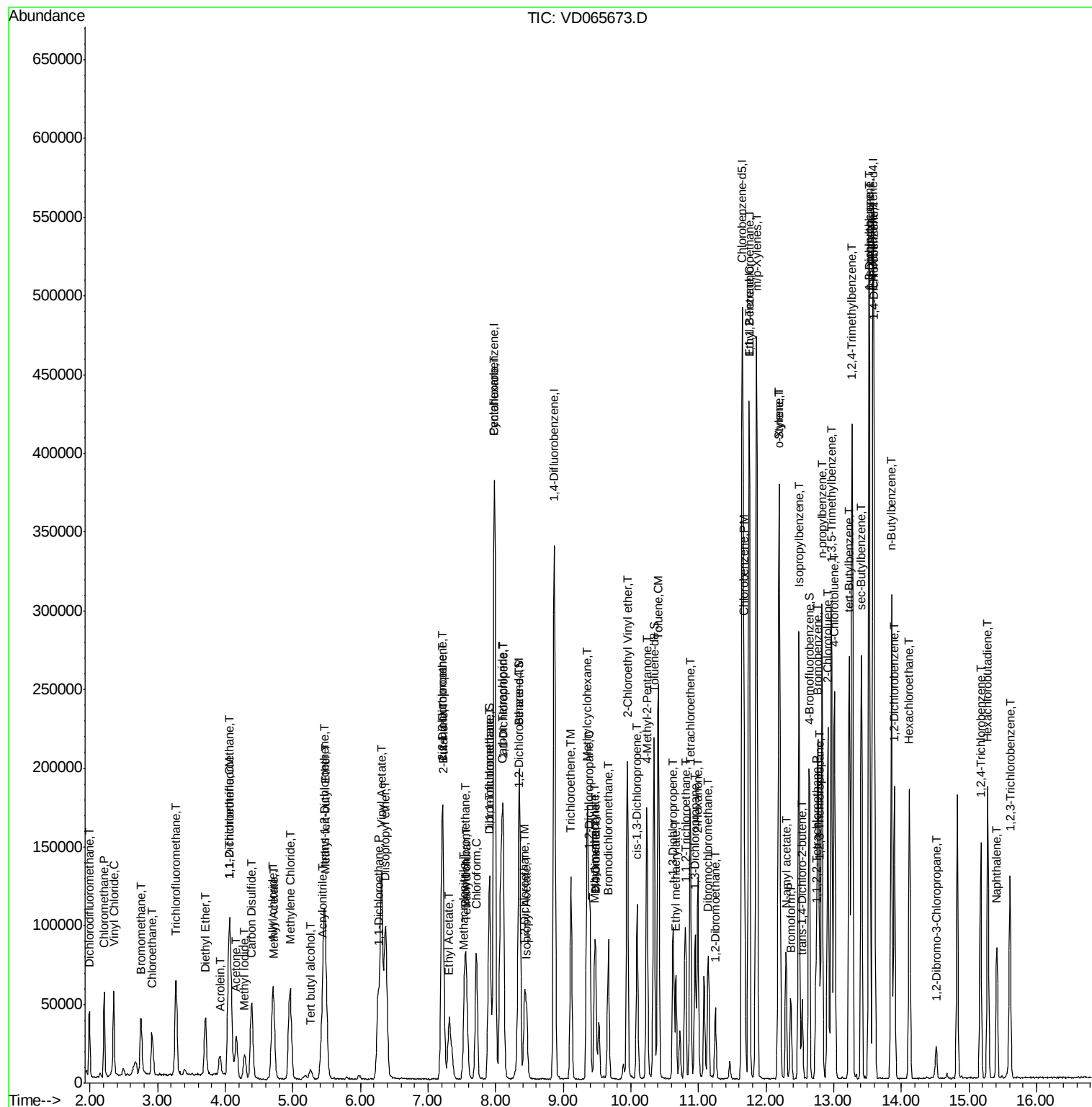
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	54728	21.545	ug/l	98
94) Hexachlorobutadiene	15.28	225	39212	19.940	ug/l	99
95) Naphthalene	15.41	128	74950	21.369	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	47196	20.694	ug/l	98

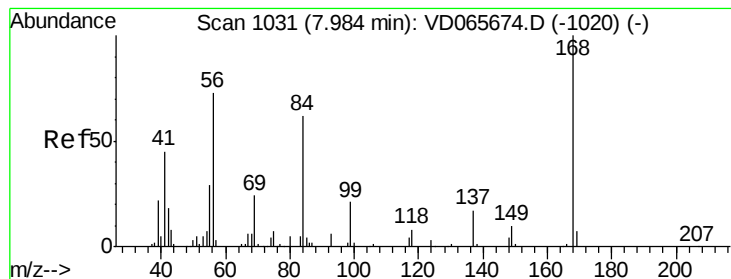
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

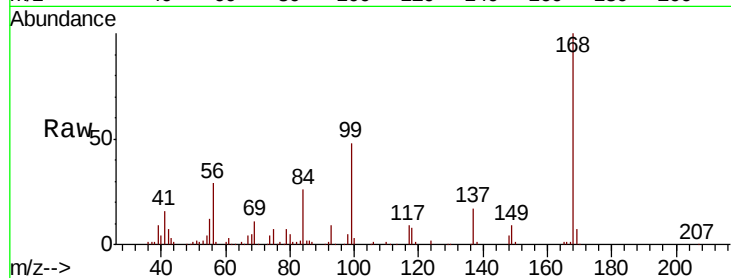
VSTDIC020

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

7.98

100000

80000

60000

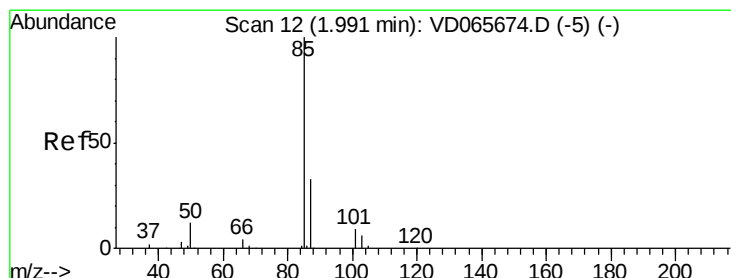
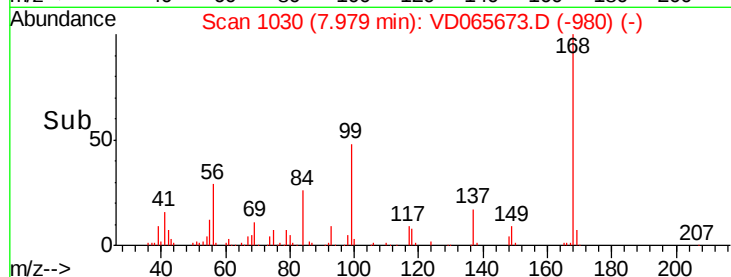
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.656 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065673.D

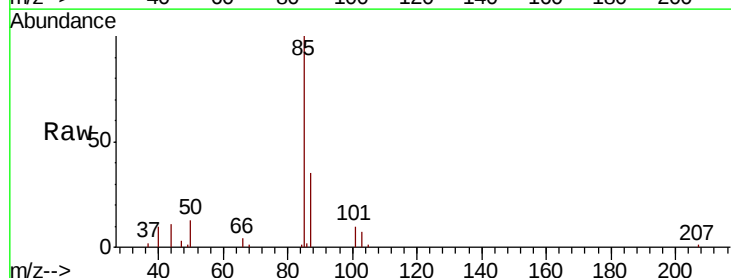
Acq: 24 Apr 2020 13:02

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

1.99

25000

20000

15000

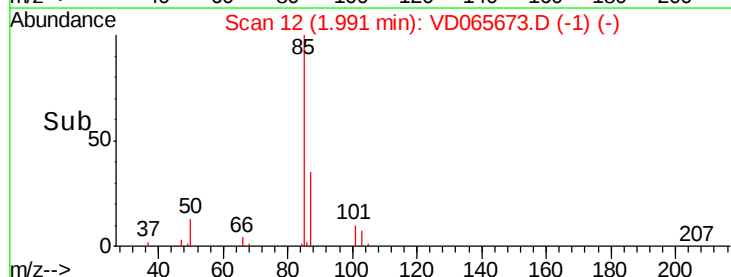
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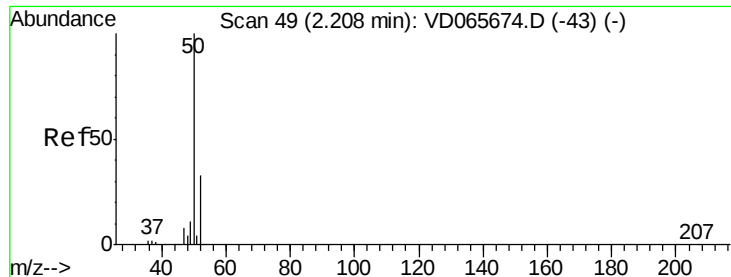
5000

0

1.95 2.00 2.05

Time-->

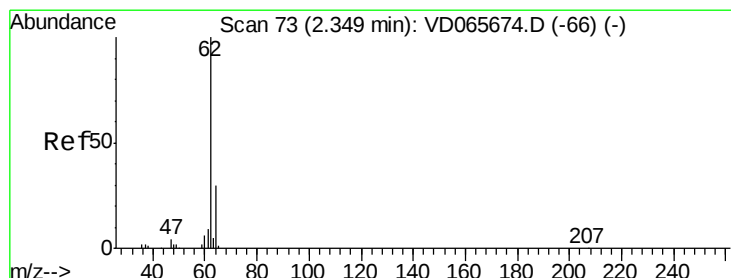
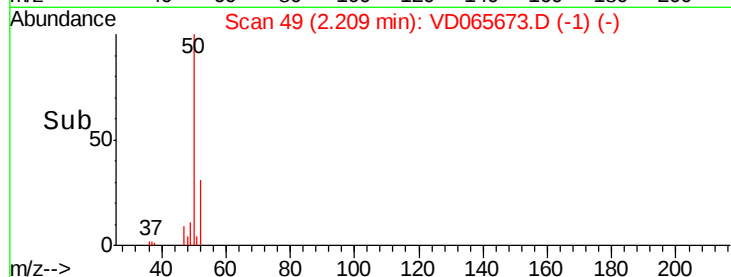
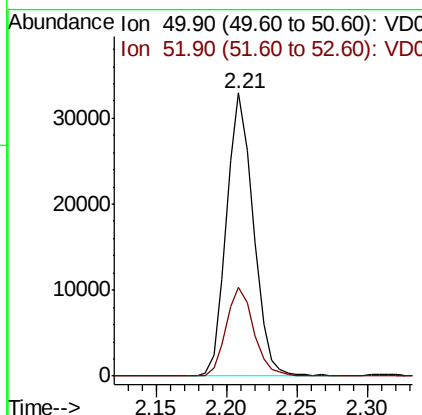
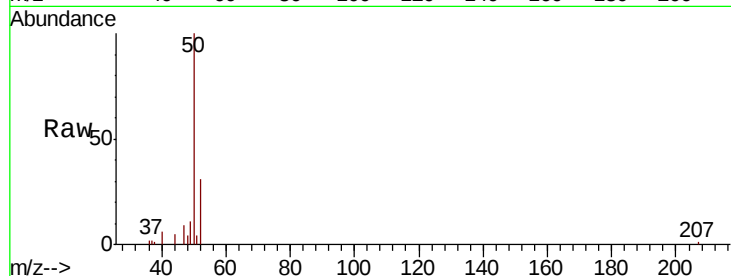




#3
Chloromethane
Concen: 18.453 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

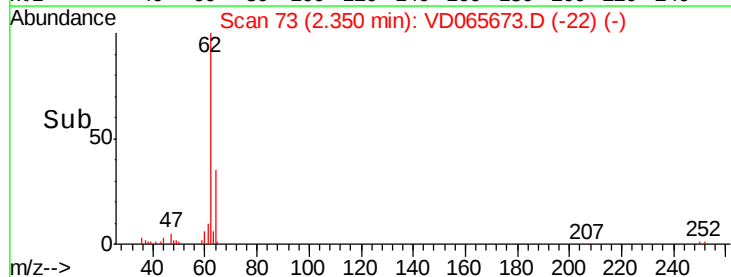
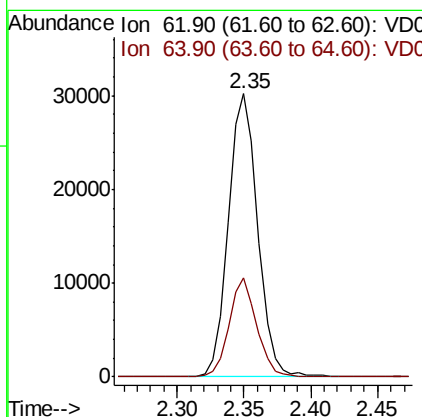
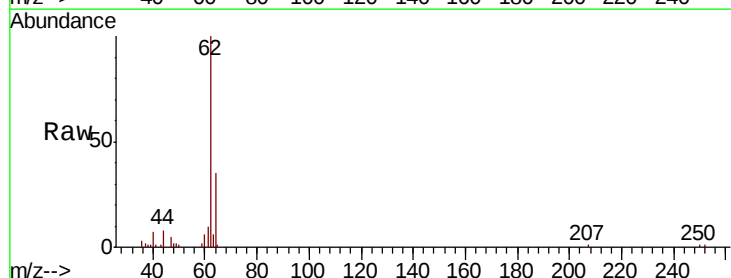
Instrument :
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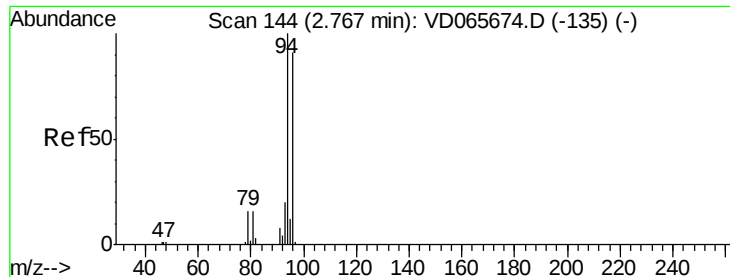
Tot Ion: 50 Resp: 43561
Ion Ratio Lower Upper
50 100
52 31.4 26.5 39.7



#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 :

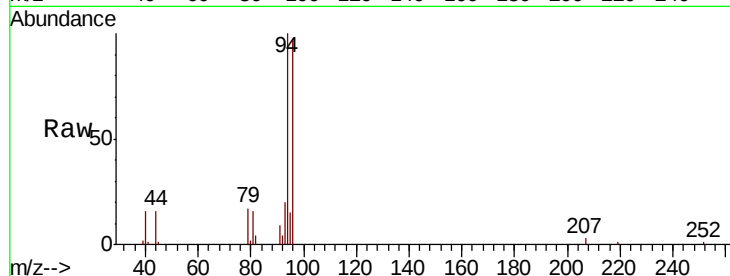
VSTDIC020

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

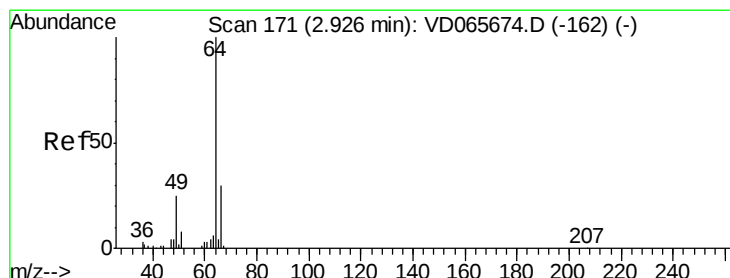
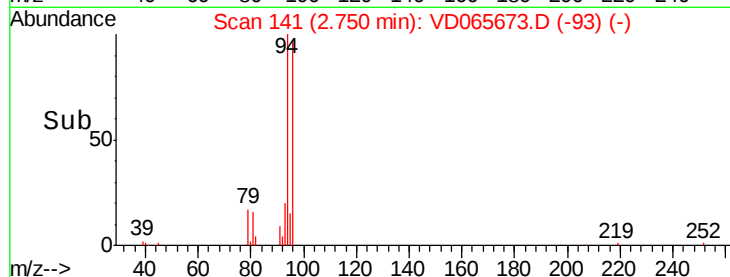
10000

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

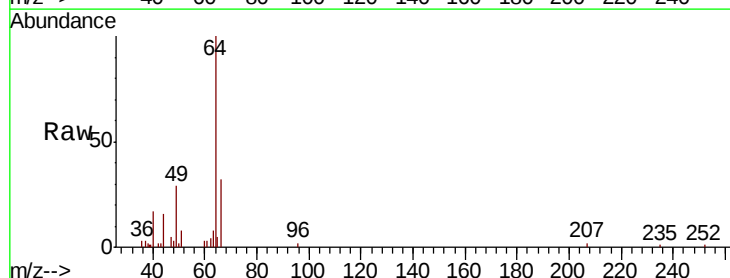
Acq: 24 Apr 2020 13:02

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

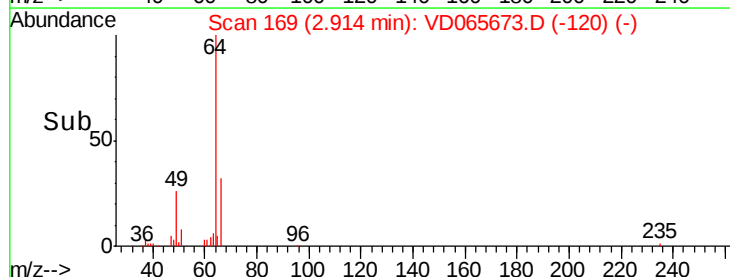
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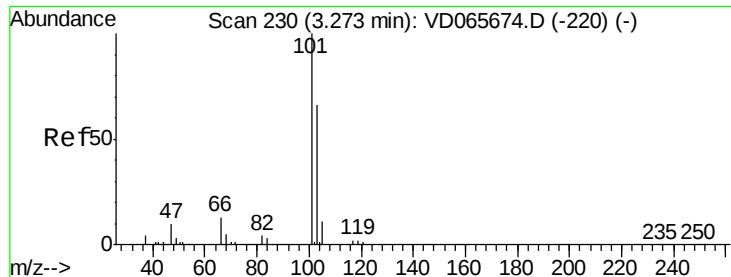
5000

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

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ClientSampleId :

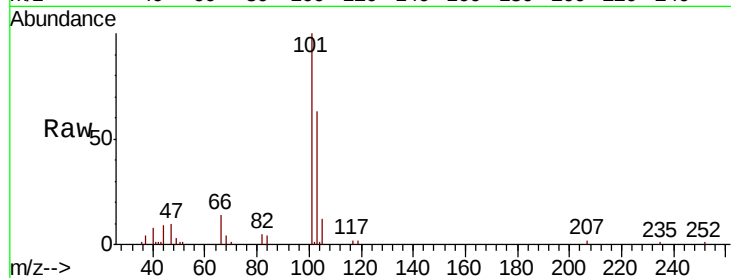
VSTDIC020

Tot Ion:101 Resp: 62719

Ion Ratio Lower Upper

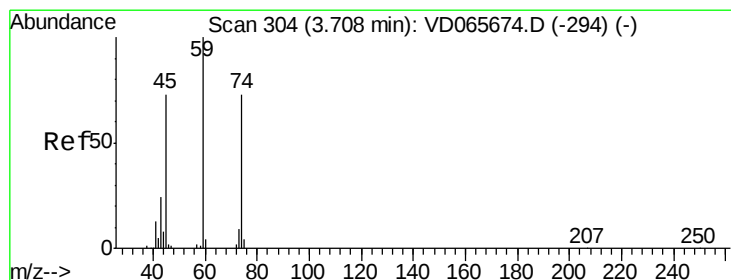
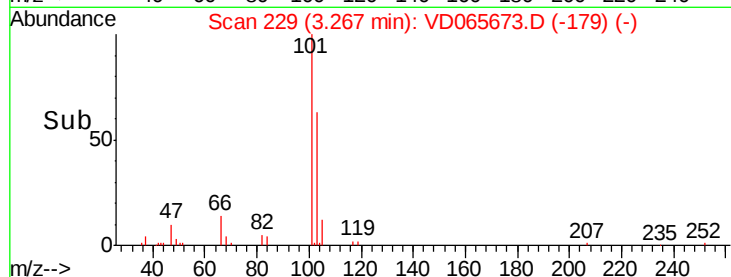
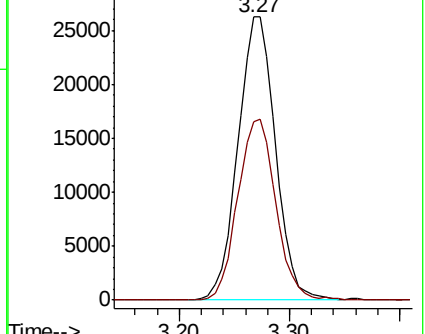
101 100

103 63.0 52.6 78.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 17.650 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065673.D

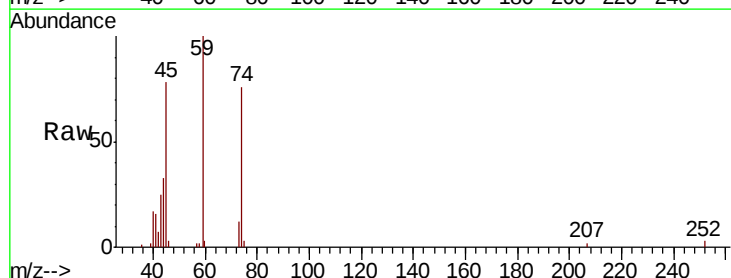
Acq: 24 Apr 2020 13:02

Tgt Ion: 74 Resp: 18778

Ion Ratio Lower Upper

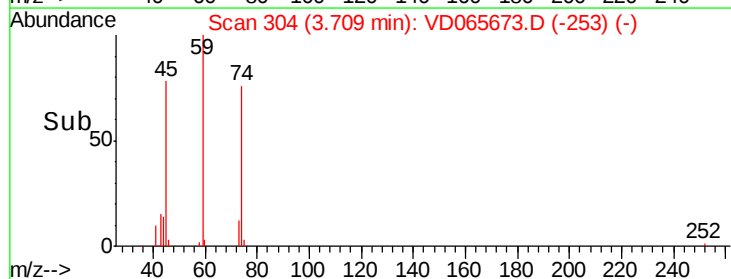
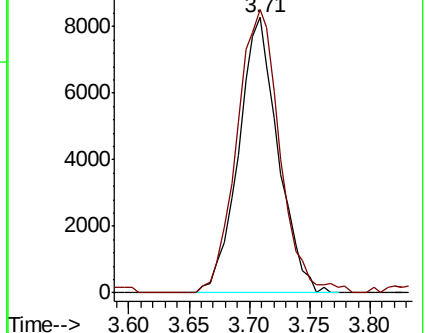
74 100

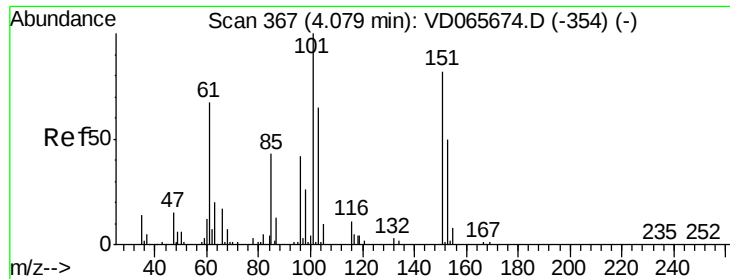
45 112.2 55.0 165.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.285 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.01 min

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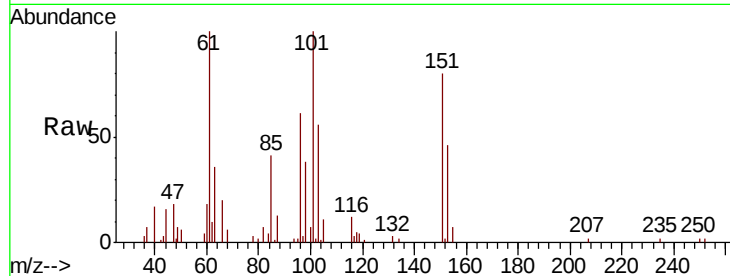
Tot Ion:101 Resp: 37583

Ion Ratio Lower Upper

101 100

85 44.8 35.1 52.7

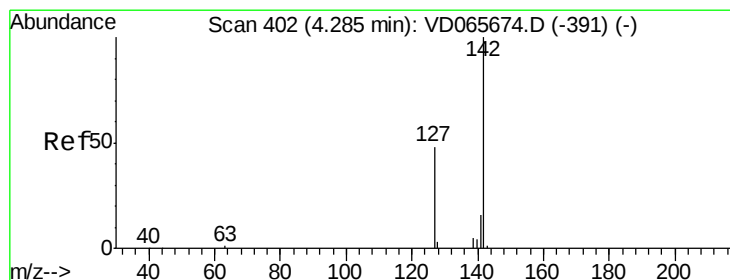
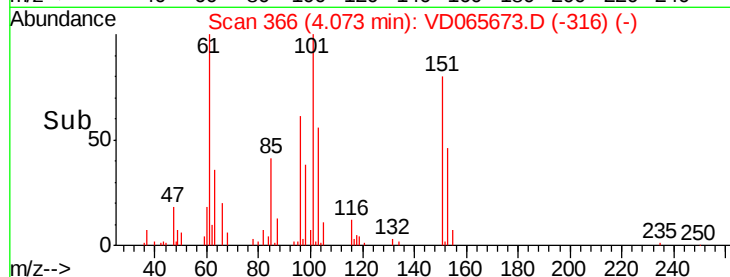
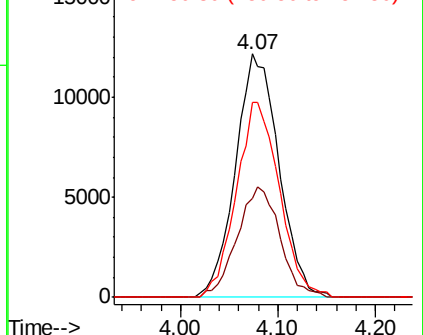
151 79.5 64.1 96.1



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

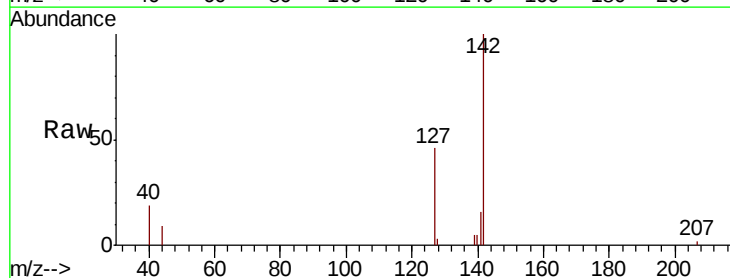
Tgt Ion:142 Resp: 26722

Ion Ratio Lower Upper

142 100

127 47.6 39.0 58.4

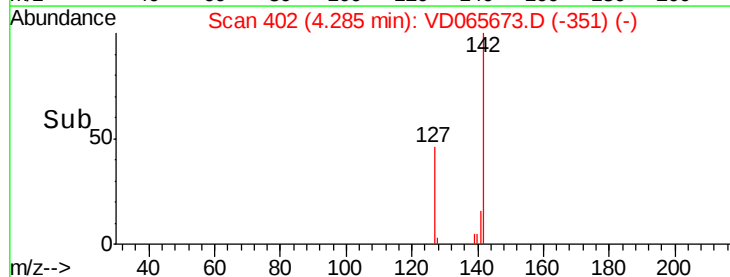
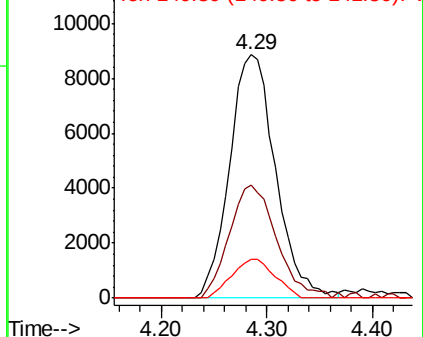
141 15.0 12.4 18.6

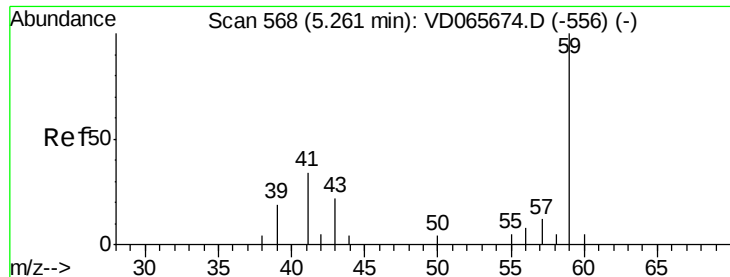


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

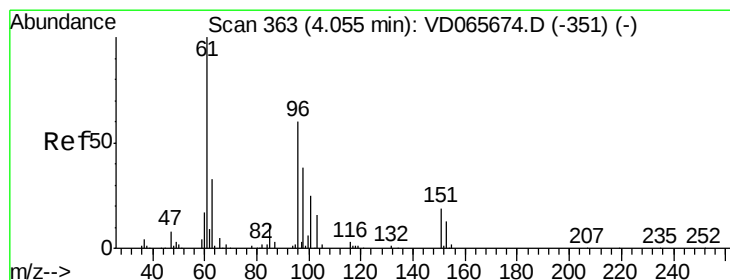
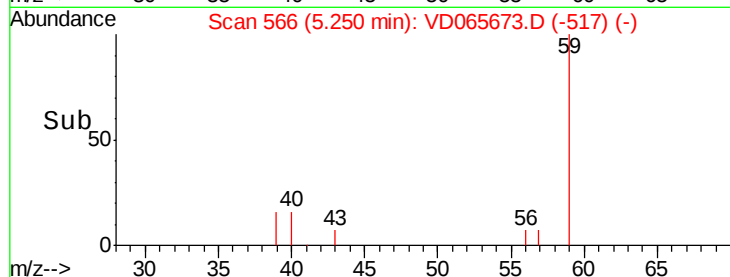
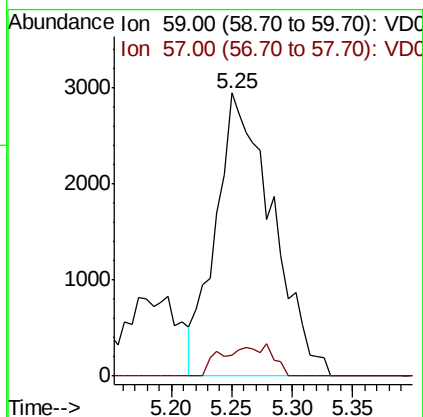
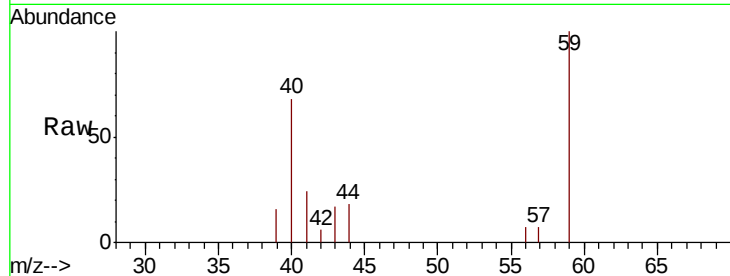




#11
Tert butyl alcohol
Concen: 100.754 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

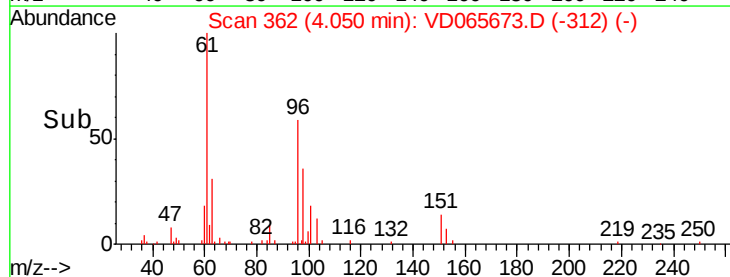
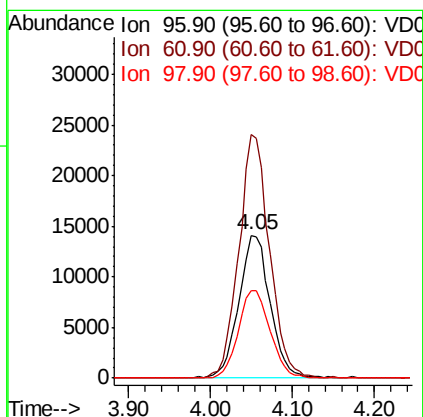
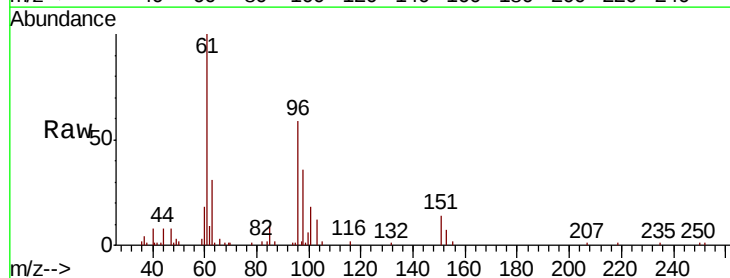
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

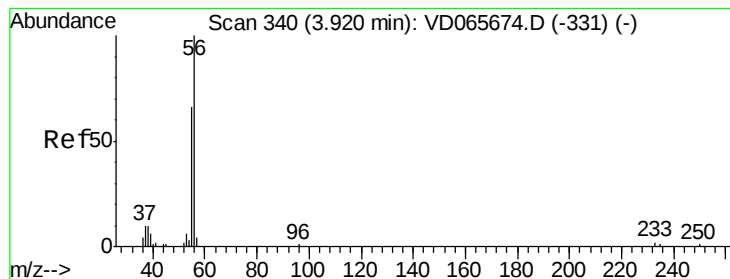
Tot Ion: 59 Resp: 9546
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#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 :

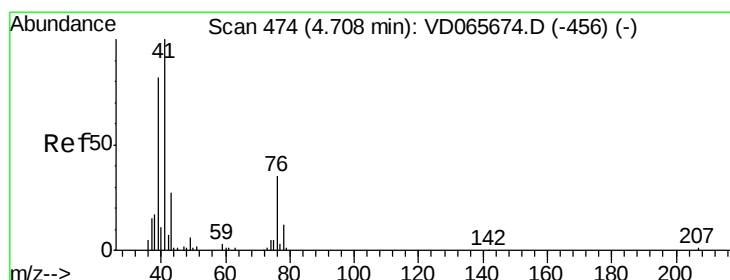
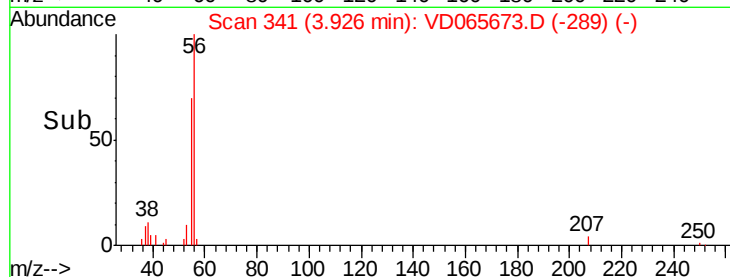
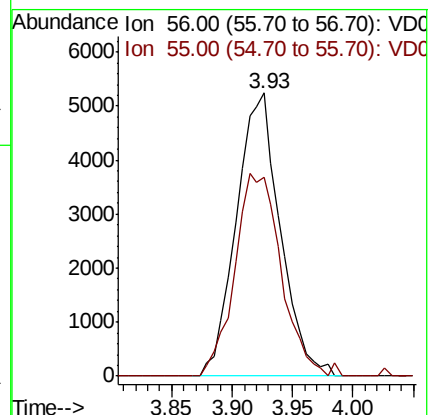
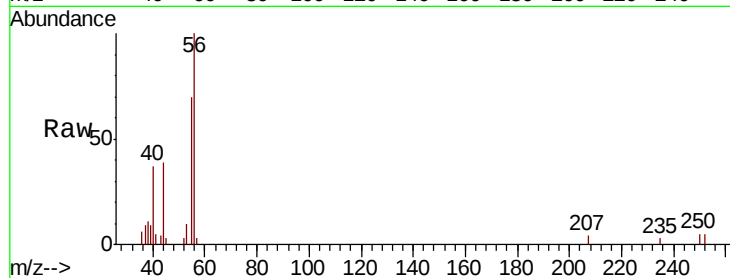
VSTDIC020

Tot Ion: 56 Resp: 13265

Ion Ratio Lower Upper

56 100

55 74.9 58.6 88.0



#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

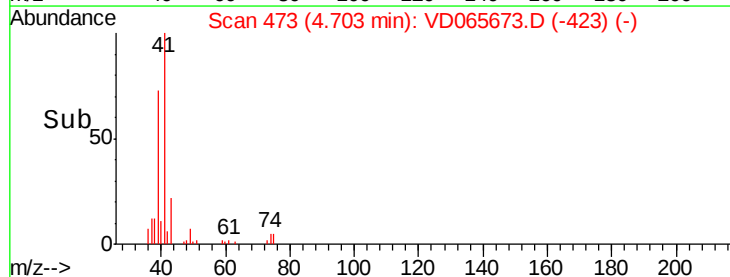
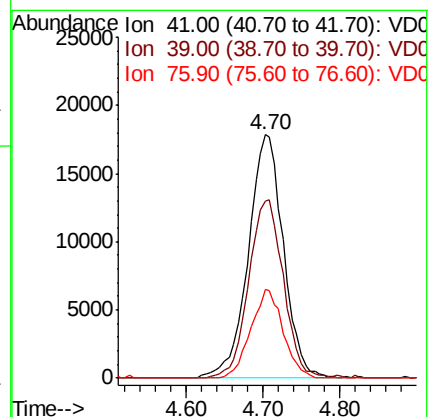
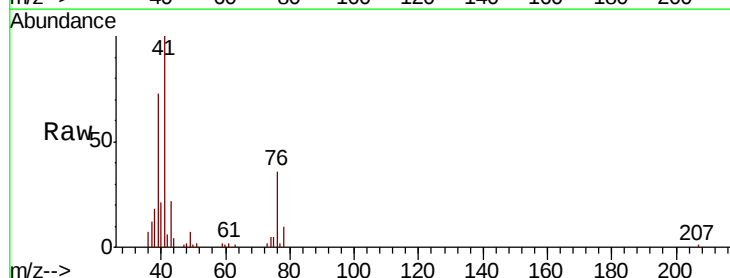
Tgt Ion: 41 Resp: 56797

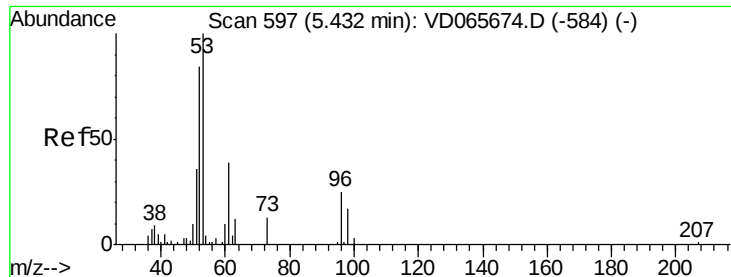
Ion Ratio Lower Upper

41 100

39 73.0 63.3 94.9

76 33.4 27.8 41.8





#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 :

VSTDIC020

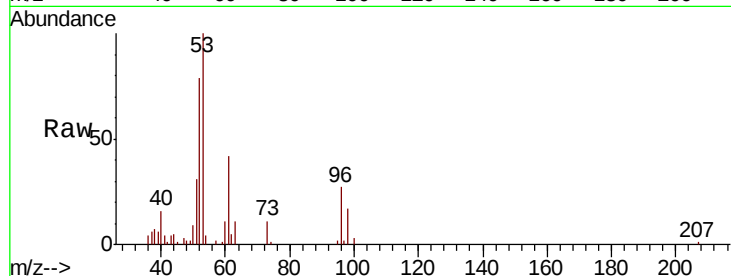
Tot Ion: 53 Resp: 41610

Ion Ratio Lower Upper

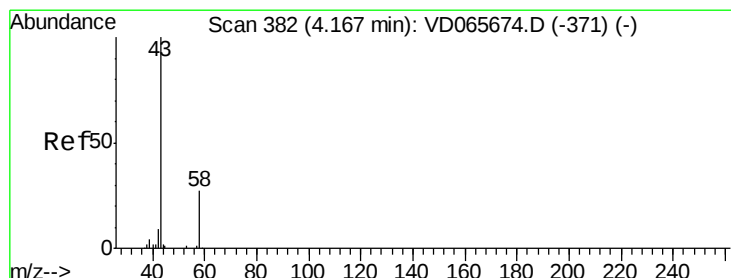
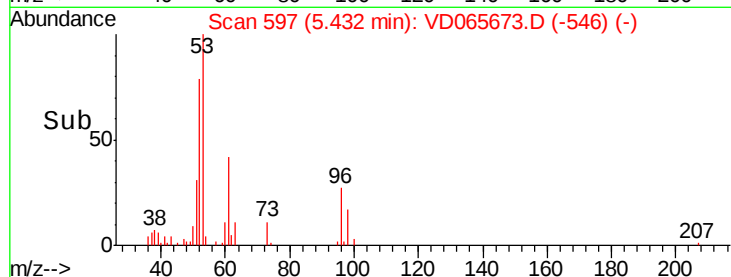
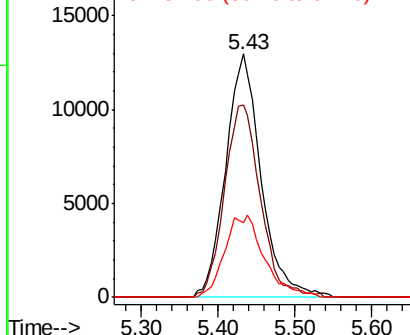
53 100

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

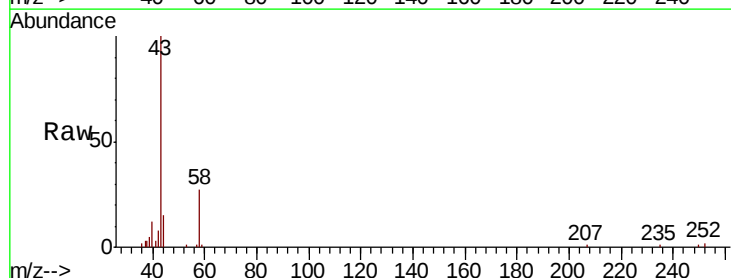
Acq: 24 Apr 2020 13:02

Tgt Ion: 43 Resp: 43939

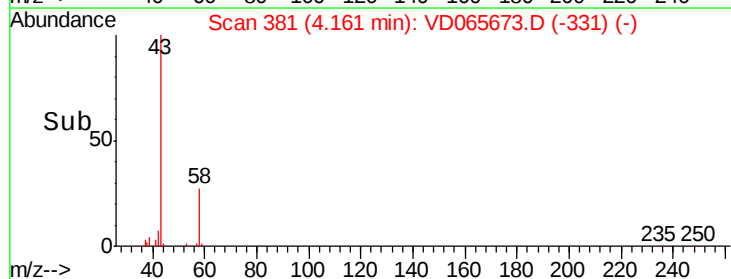
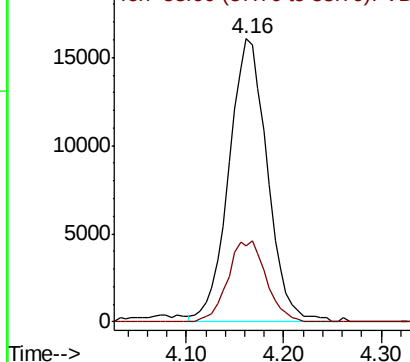
Ion Ratio Lower Upper

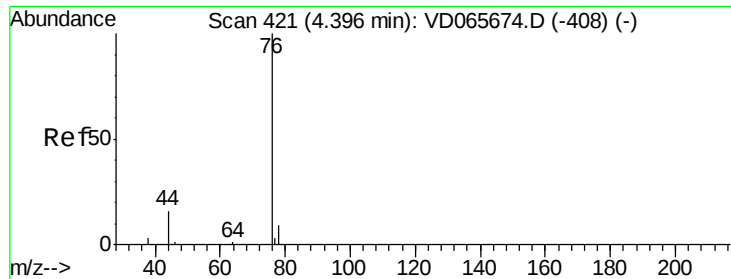
43 100

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

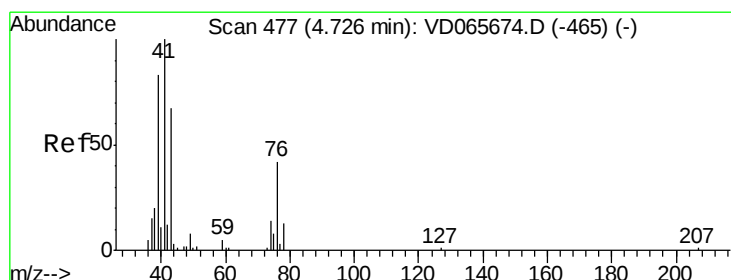
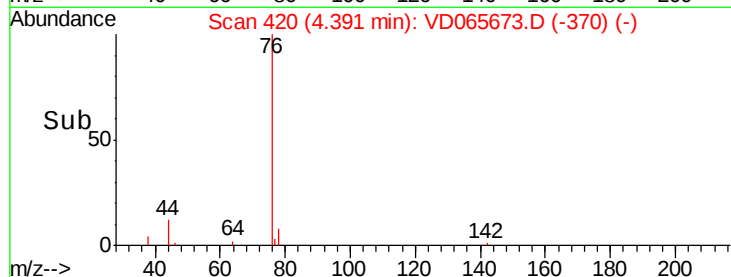
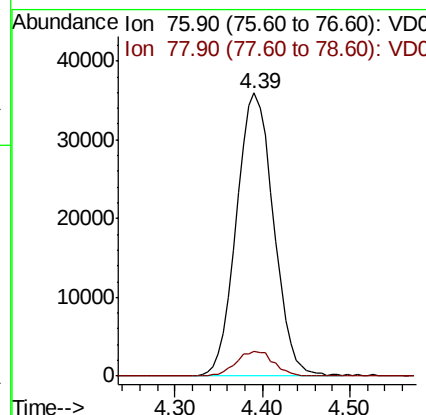
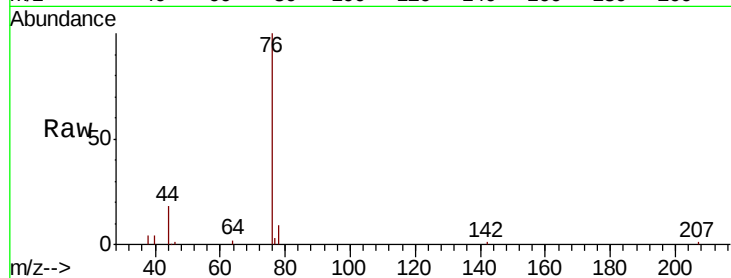




#17
Carbon Disulfide
Concen: 18.163 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.01 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

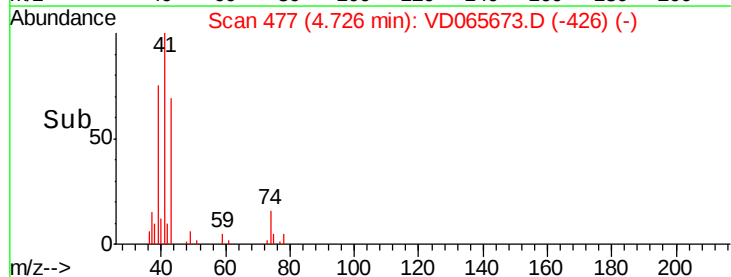
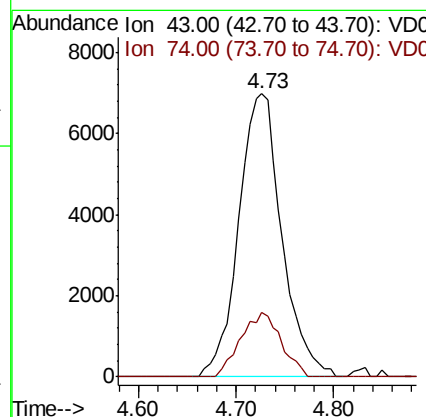
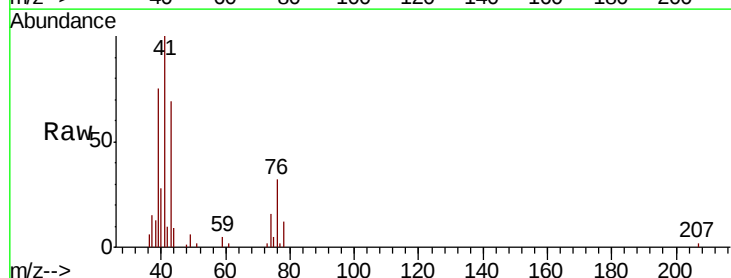
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

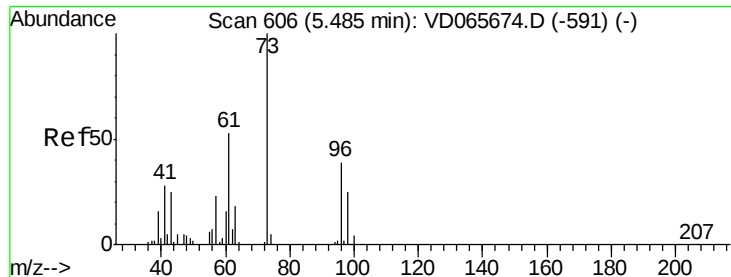
Tot Ion: 76 Resp: 103524
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#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



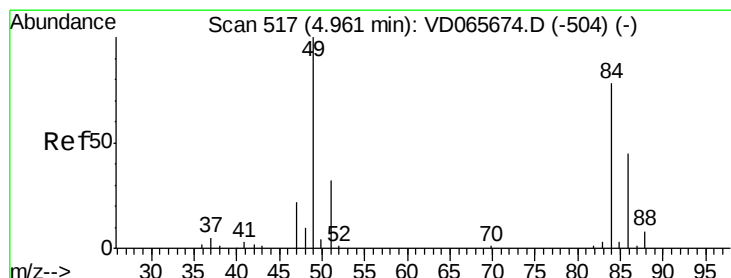
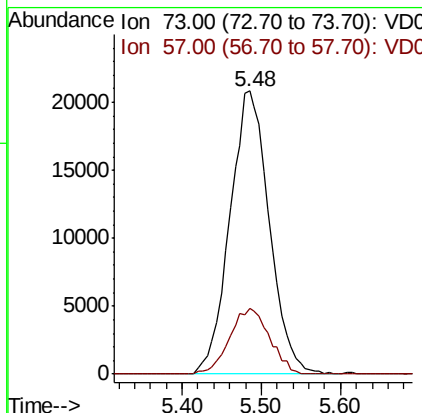
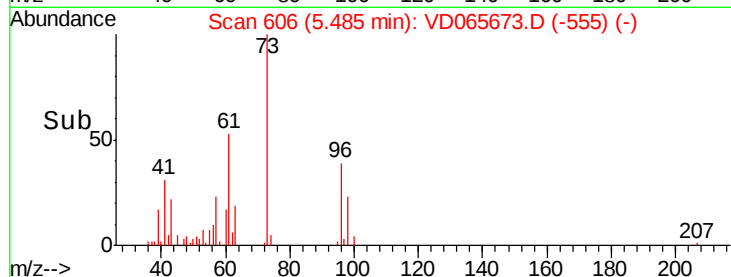
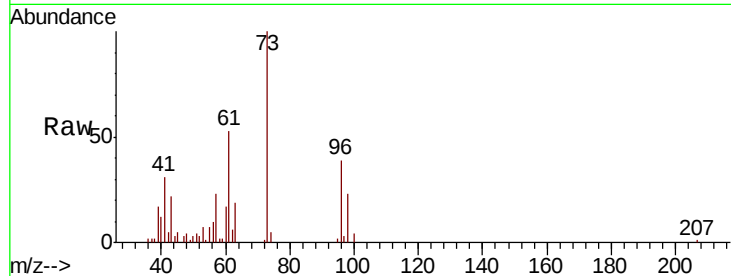


#19

Methyl tert-butyl 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 :
 VSTDIC020

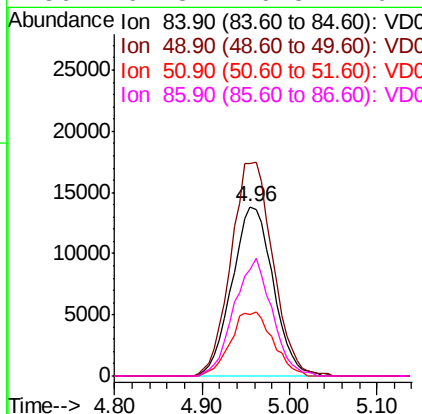
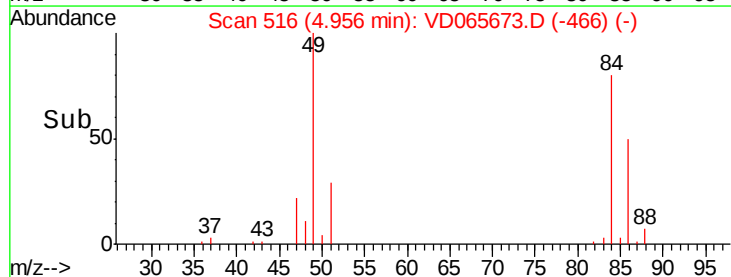
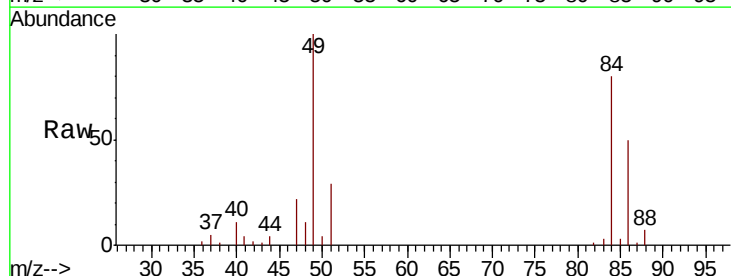
Tot Ion: 73 Resp: 71743
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.3 27.5

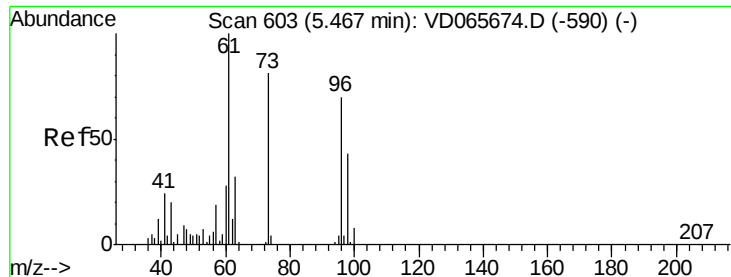


#20

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

ClientSampleId :

VSTDIC020

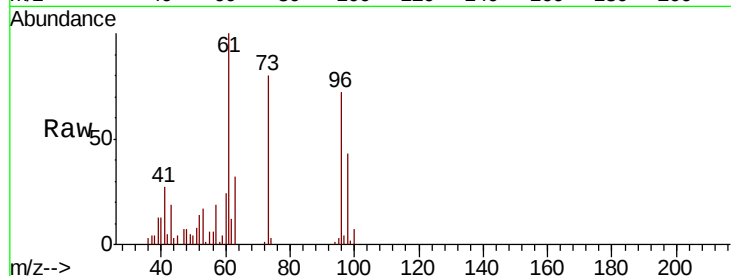
Tot Ion: 96 Resp: 41383

Ion Ratio Lower Upper

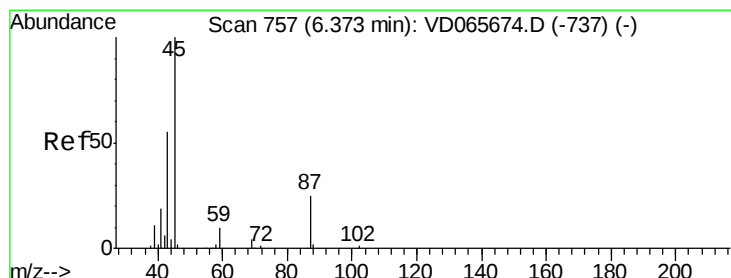
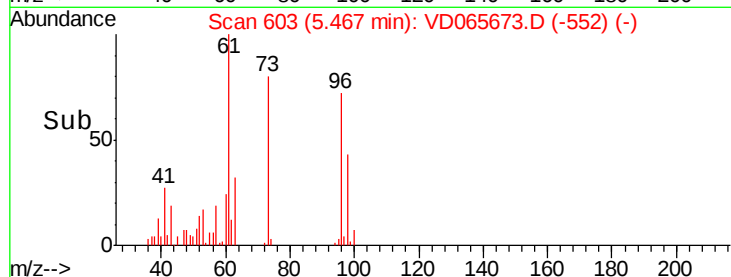
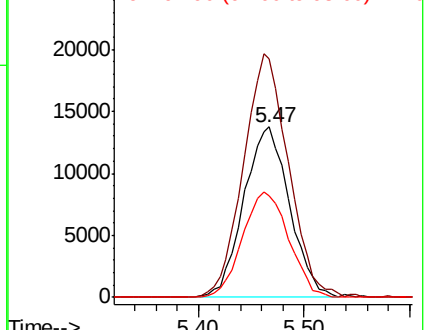
96 100

61 139.7 114.8 172.2

98 59.4 49.4 74.0



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



#22

Diisopropyl ether

Concen: 21.975 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

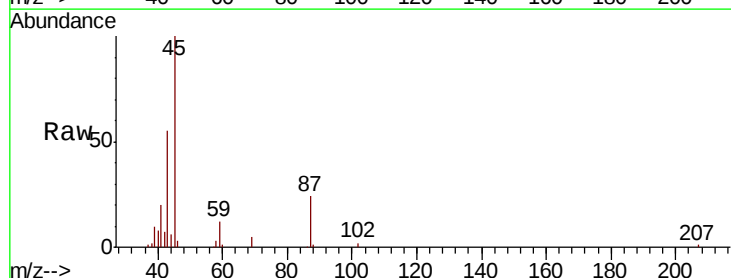
Ion Ratio Lower Upper

45 100

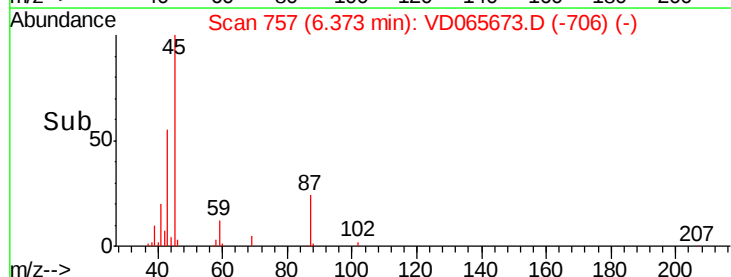
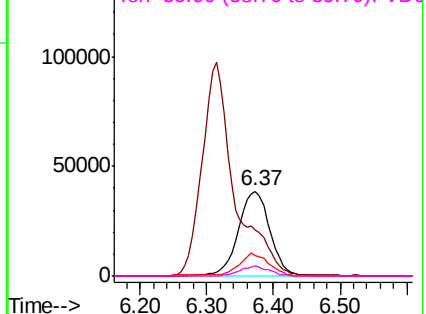
43 53.3 45.2 67.8

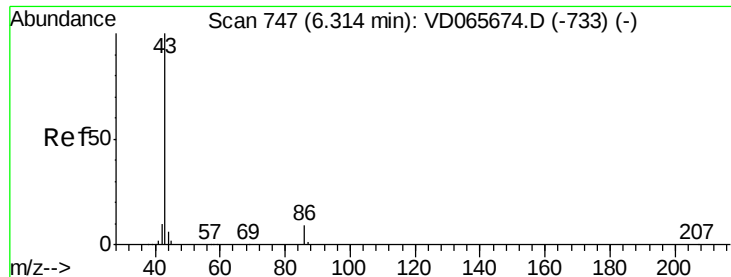
87 24.5 20.8 31.2

59 12.1 8.6 13.0



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





#23

Vinyl Acetate

Concen: 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 :

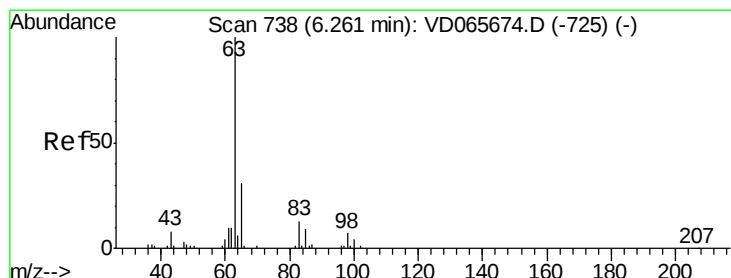
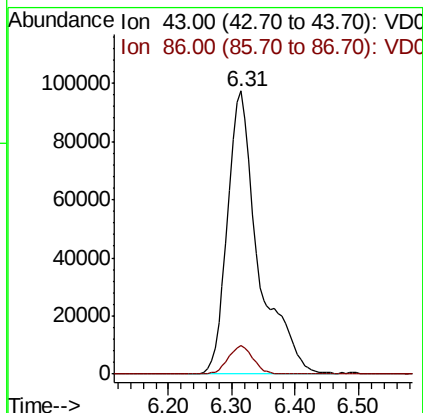
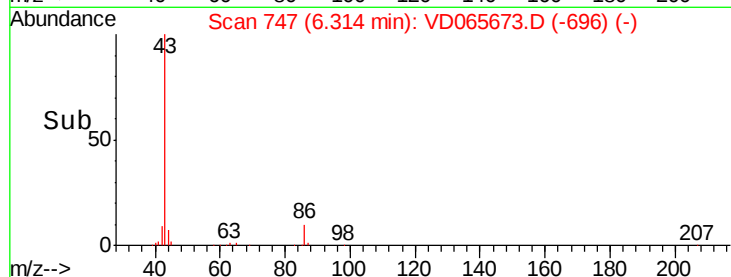
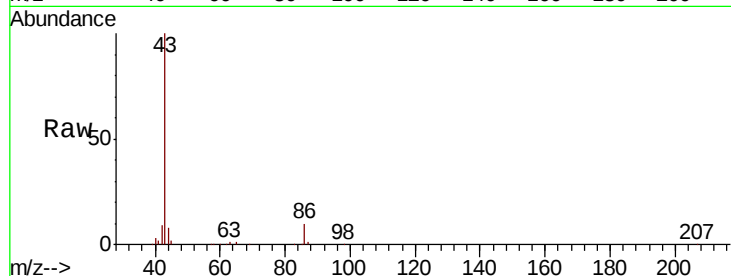
VSTDIC020

Tot Ion: 43 Resp: 328293

Ion Ratio Lower Upper

43 100

86 10.0 7.6 11.4



#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

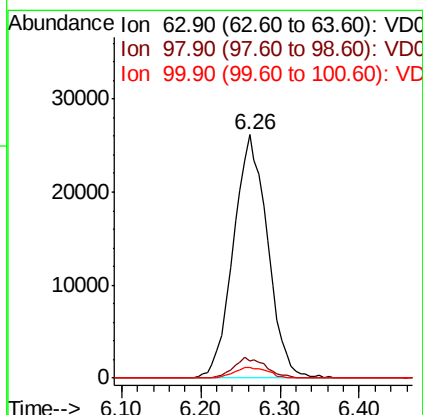
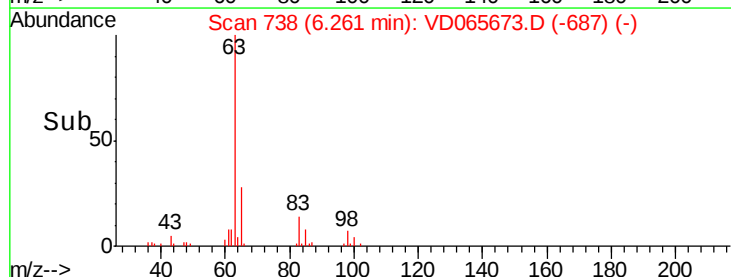
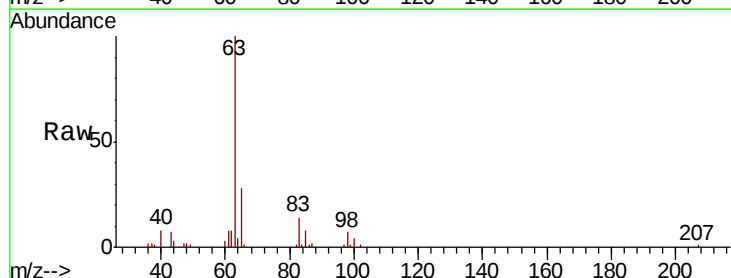
Tgt Ion: 63 Resp: 78237

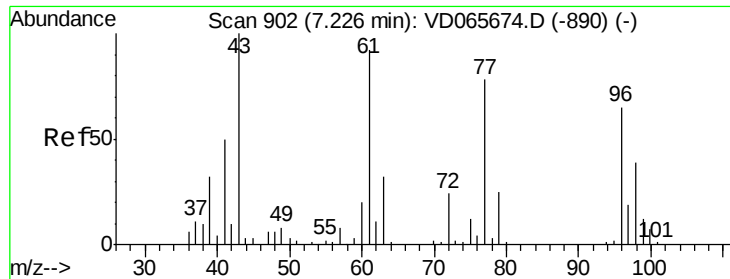
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.1 2.2 6.6

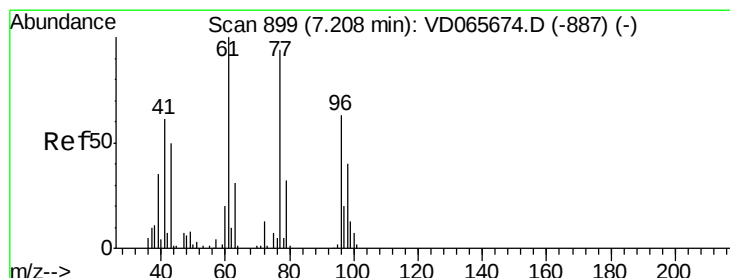
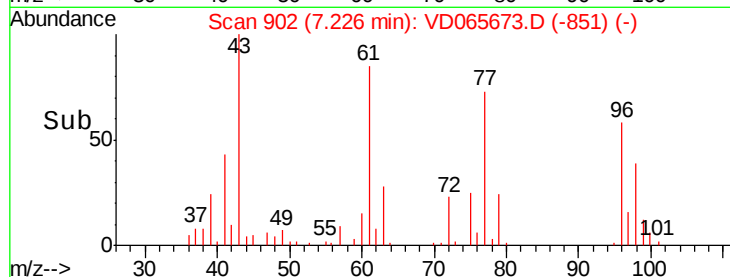
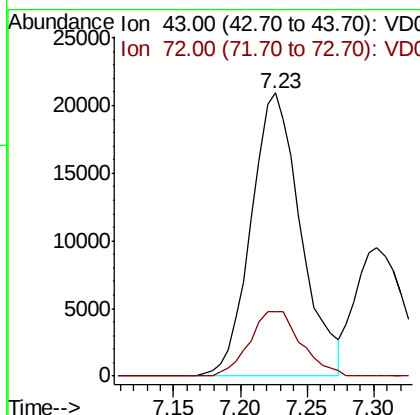
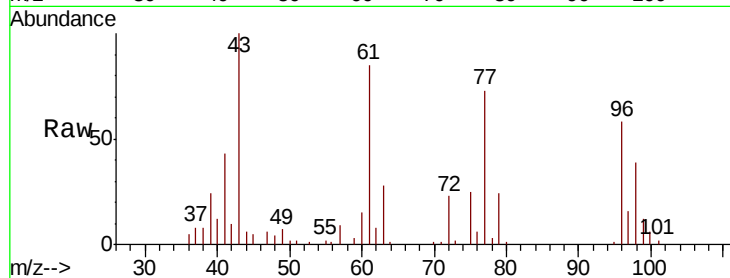




#25
2-Butanone
Concen: 101.713 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

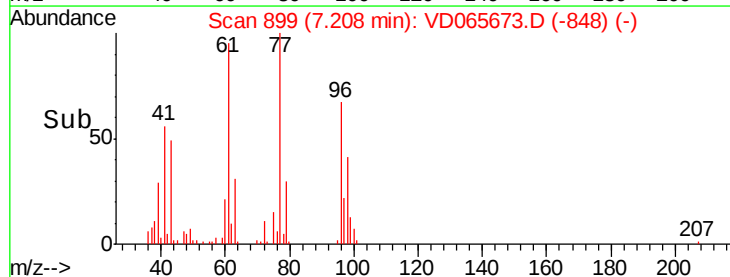
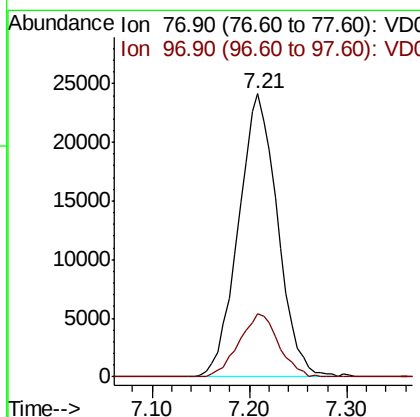
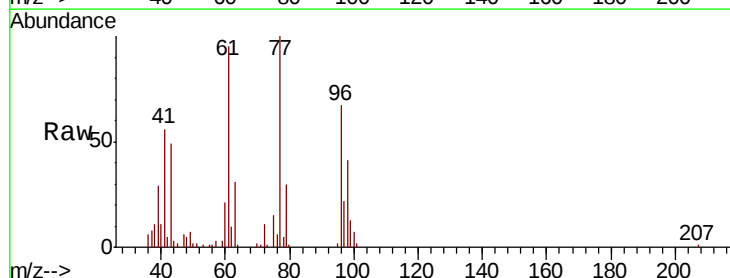
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

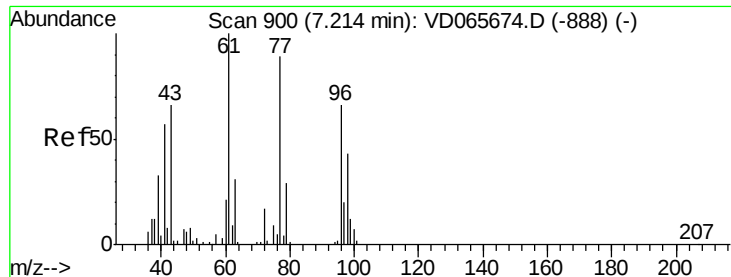
Tot Ion: 43 Resp: 54175
Ion Ratio Lower Upper
43 100
72 22.8 19.3 28.9



#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

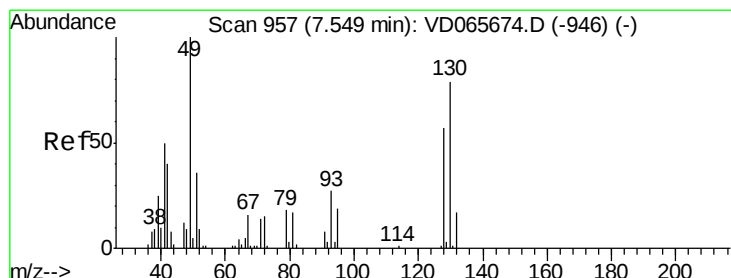
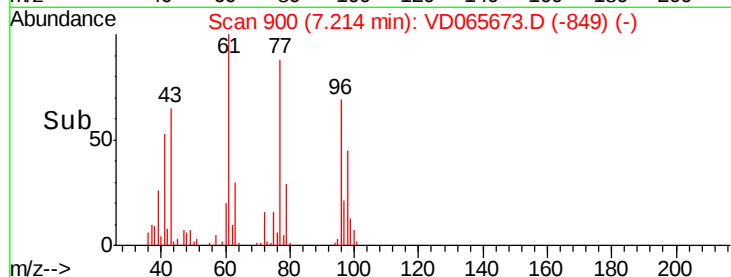
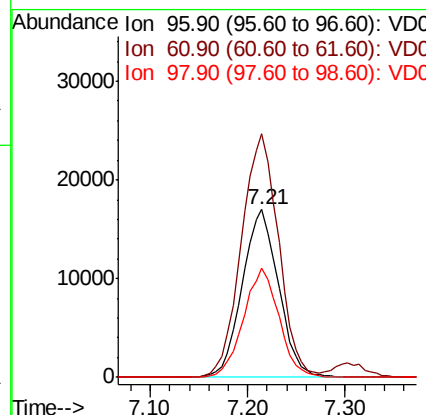
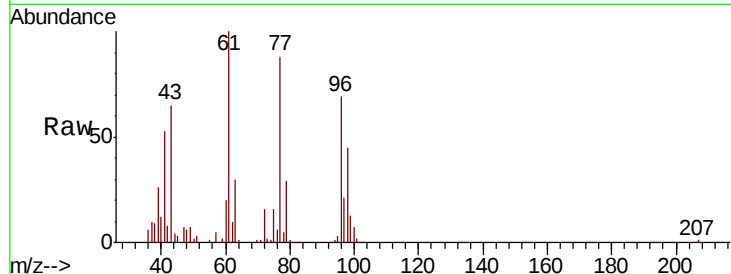




#27
 cis-1,2-Dichloroethene
 Concen: 20.523 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

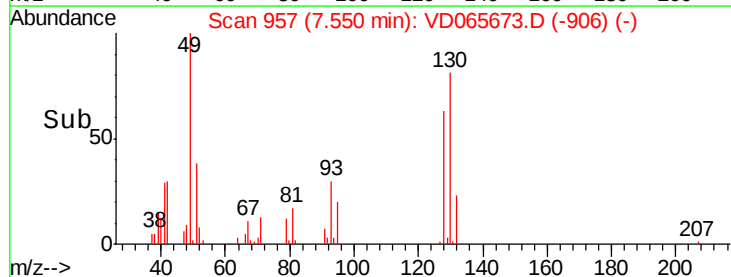
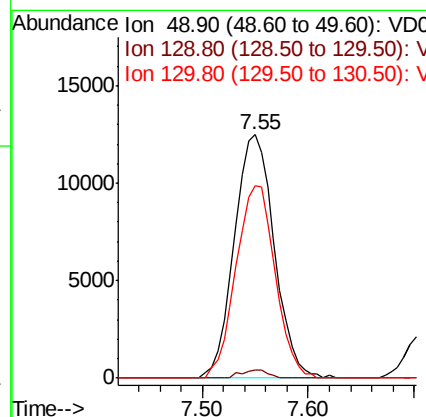
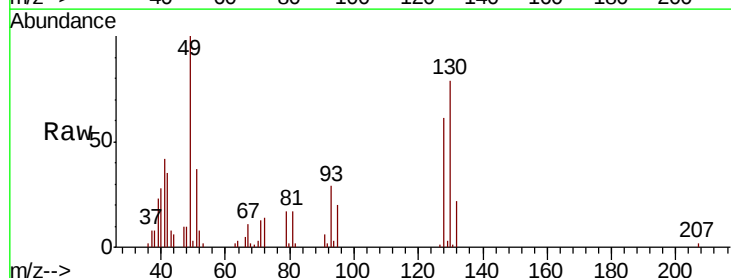
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

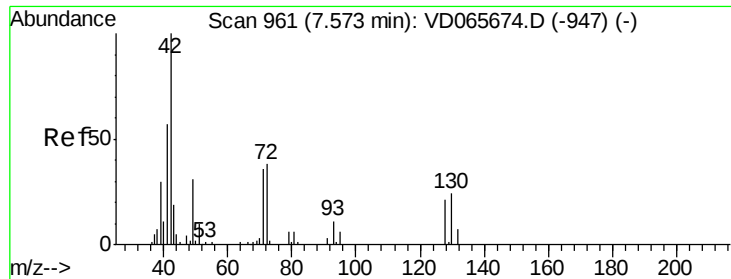
Tot Ion: 96 Resp: 44093
 Ion Ratio Lower Upper
 96 100
 61 148.5 0.0 304.6
 98 63.3 0.0 126.6



#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

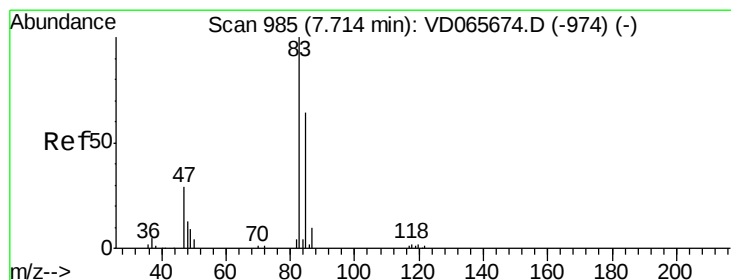
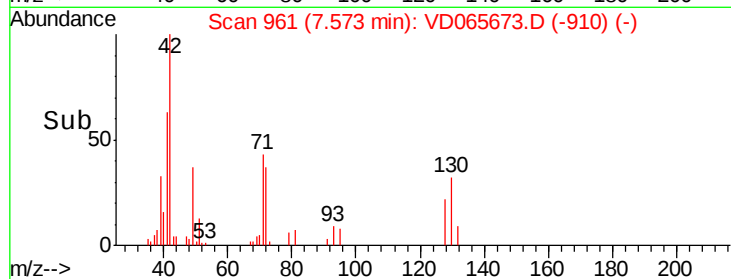
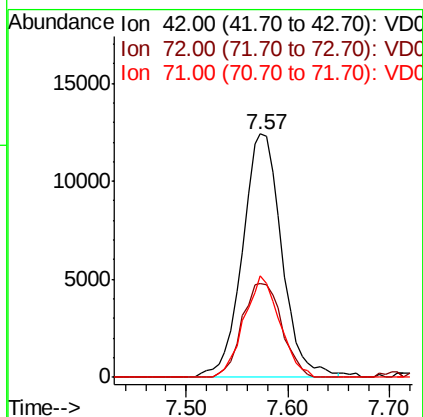
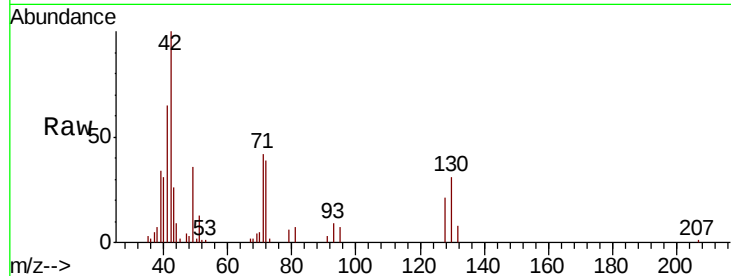




#29
Tetrahydrofuran
Concen: 105.377 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

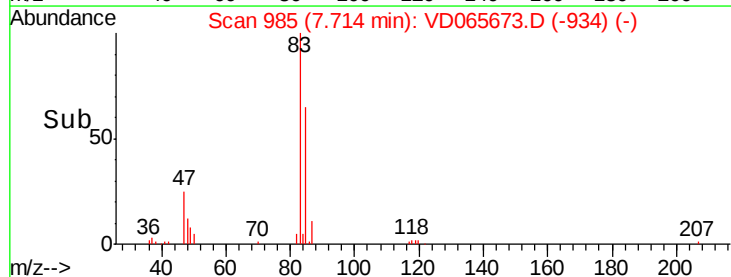
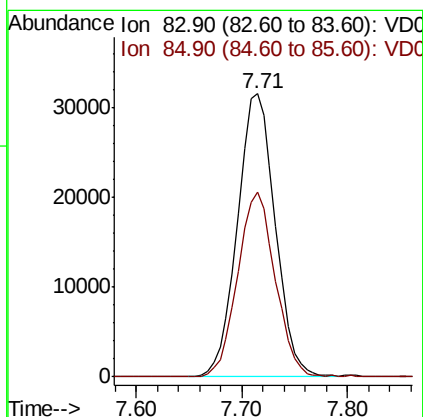
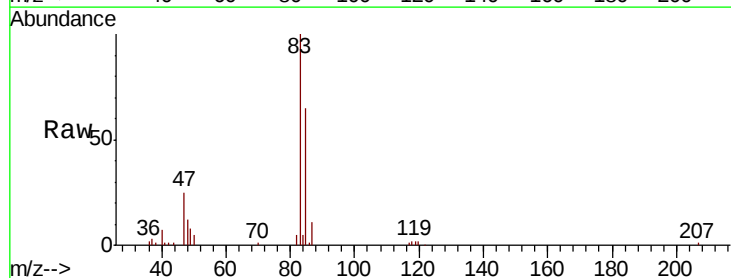
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

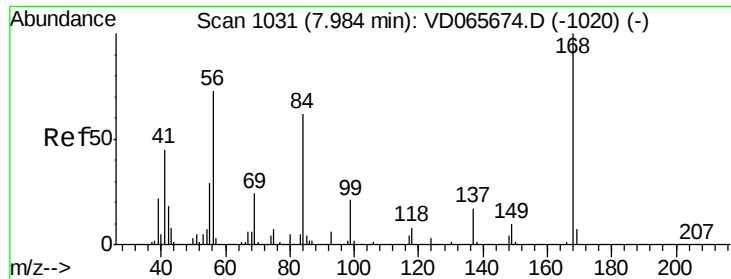
Tot Ion: 42 Resp: 33351
Ion Ratio Lower Upper
42 100
72 39.0 31.2 46.8
71 37.9 28.9 43.3



#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

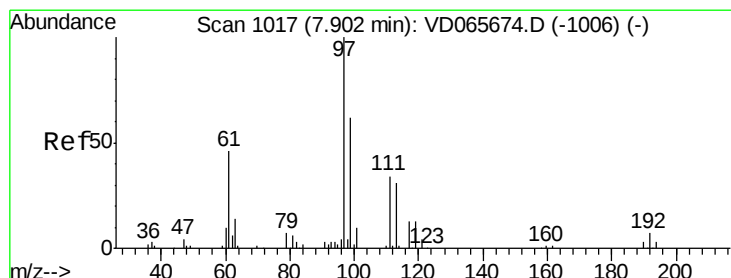
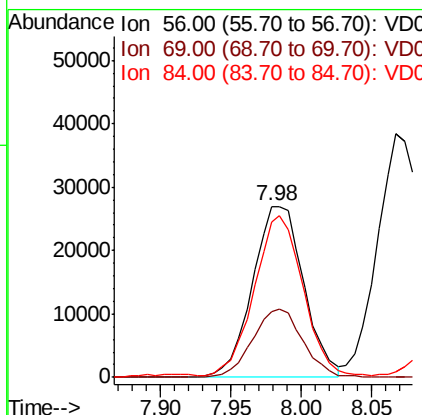
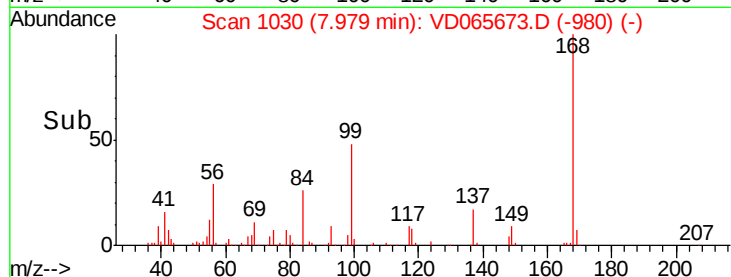
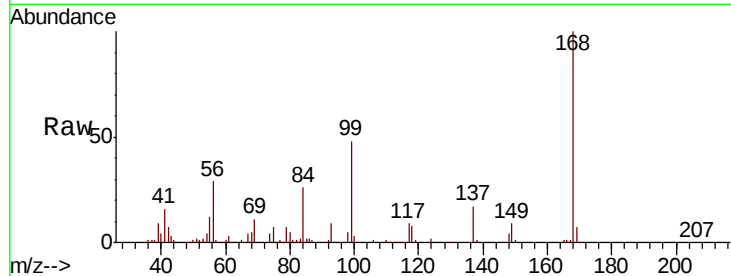




#31
Cyclohexane
Concen: 18.992 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

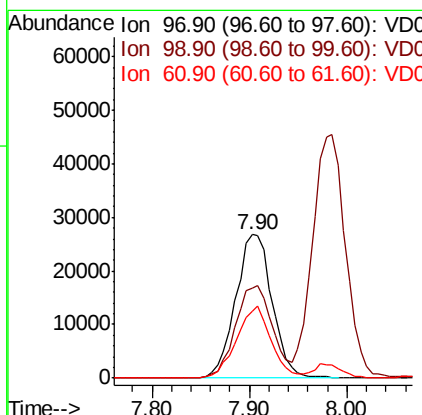
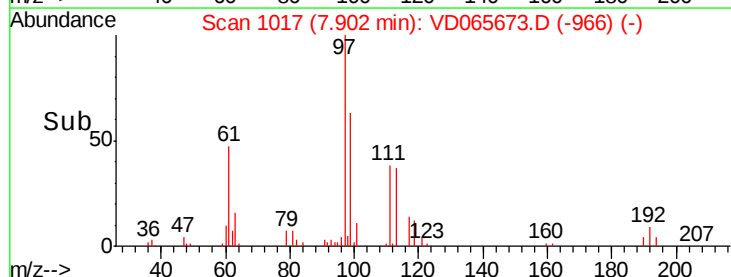
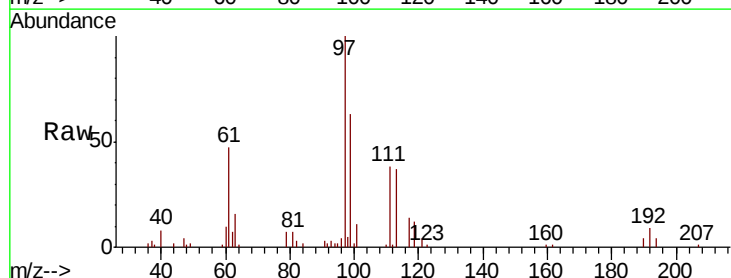
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

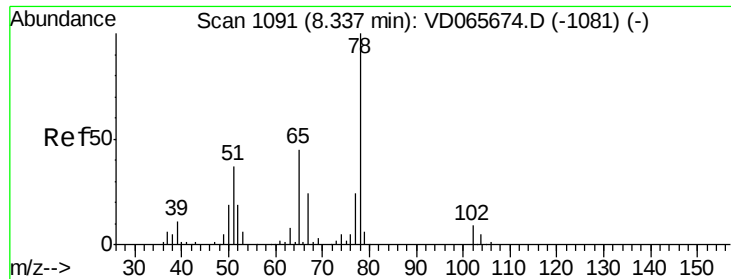
Tot Ion: 56 Resp: 68588
Ion Ratio Lower Upper
56 100
69 38.5 25.8 38.6
84 88.9 68.3 102.5



#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





#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 :

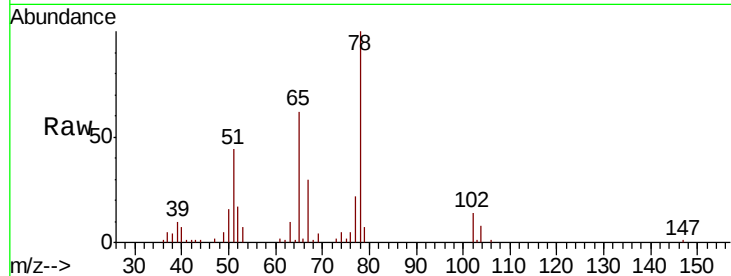
VSTDIC020

Tot Ion: 65 Resp: 40261

Ion Ratio Lower Upper

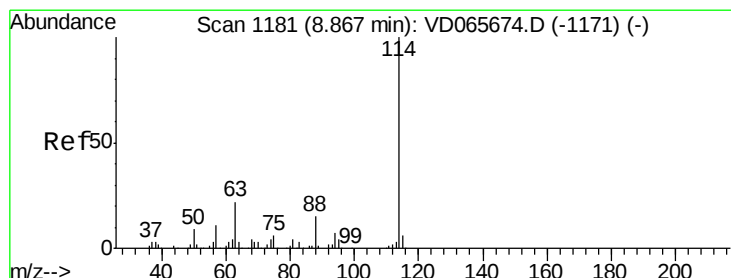
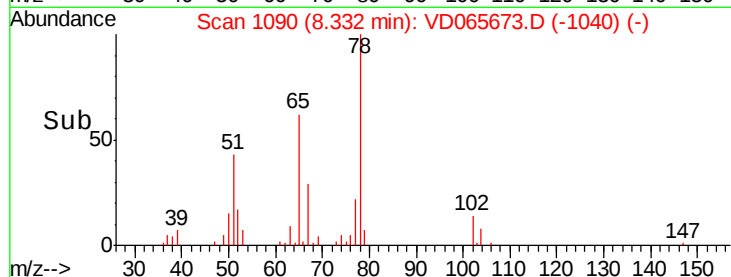
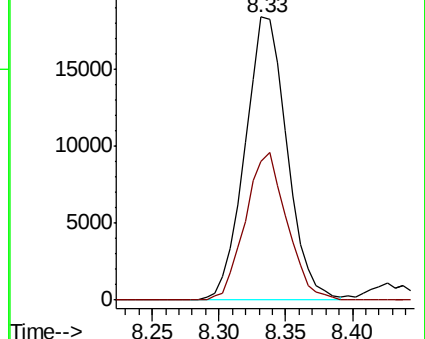
65 100

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

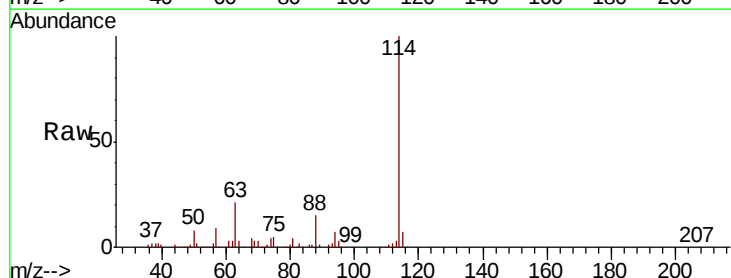
Tgt Ion:114 Resp: 288743

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.0

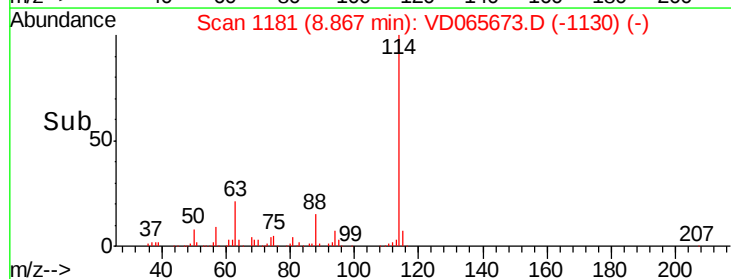
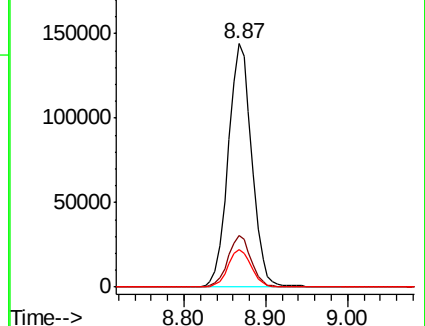
88 15.3 0.0 30.4

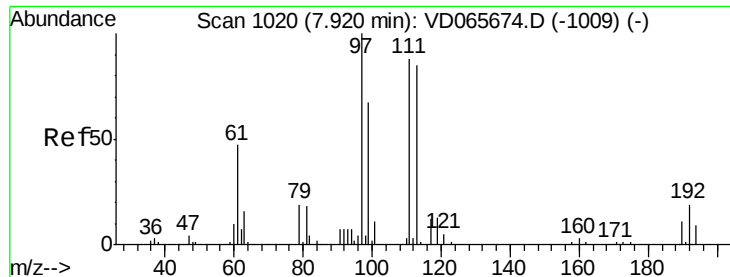


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

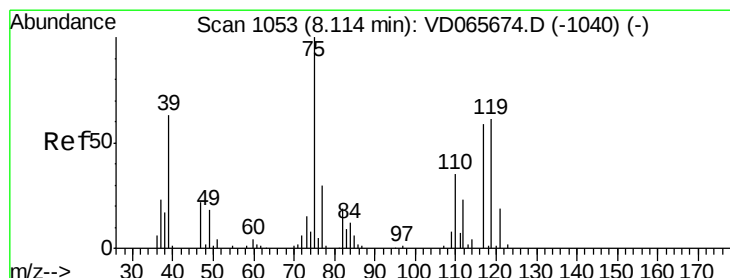
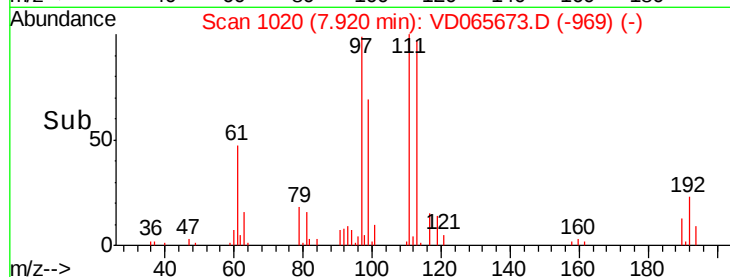
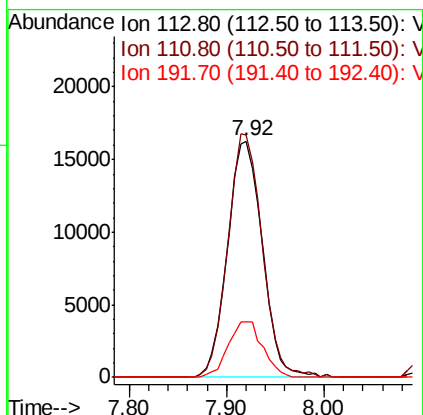
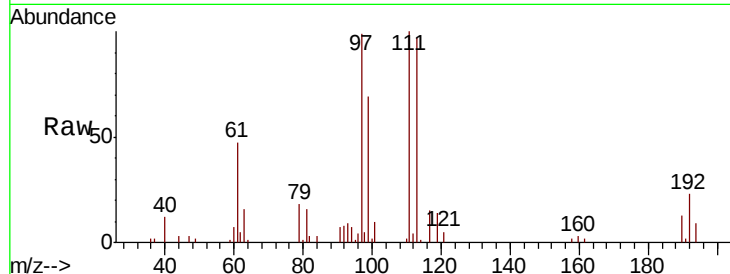




#35
 Dibromofluoromethane
 Concen: 20.088 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

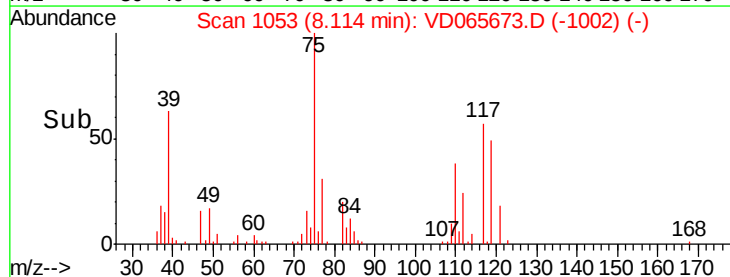
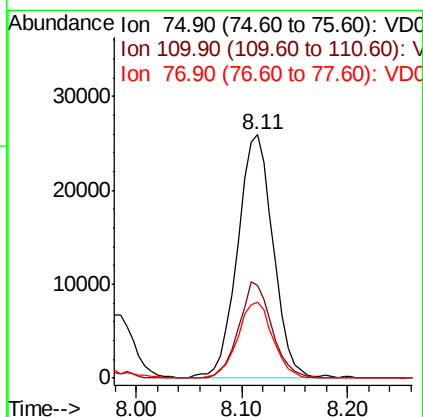
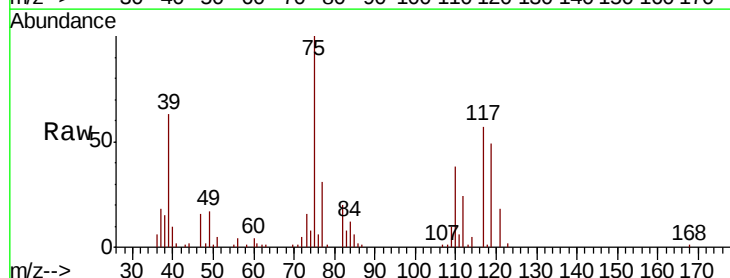
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

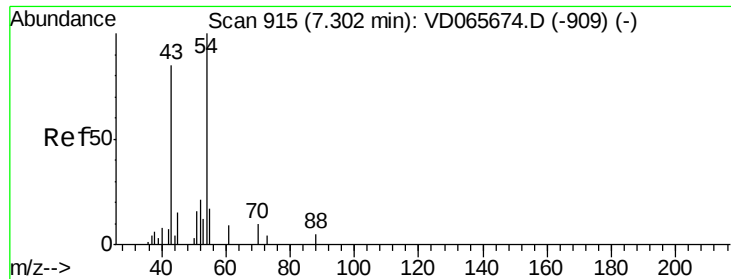
Tot Ion:113 Resp: 40402
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.4 125.0
 192 23.4 17.7 26.5



#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: 75 Resp: 60660
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.2 51.5
 77 30.9 24.5 36.7

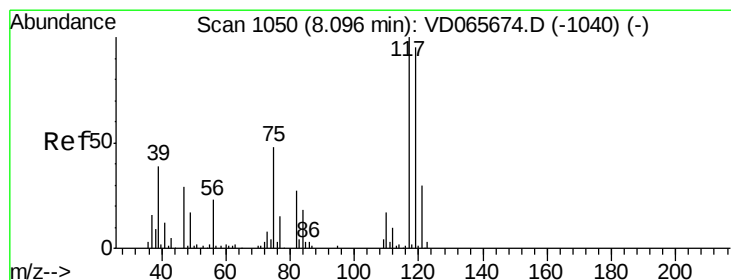
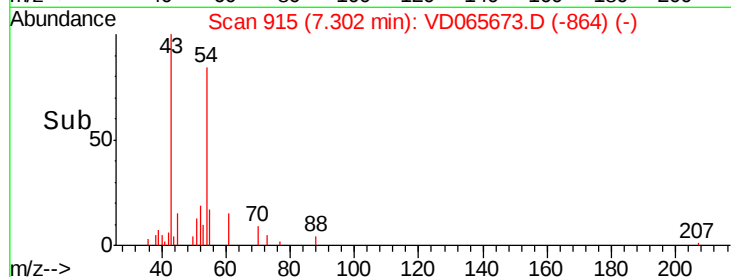
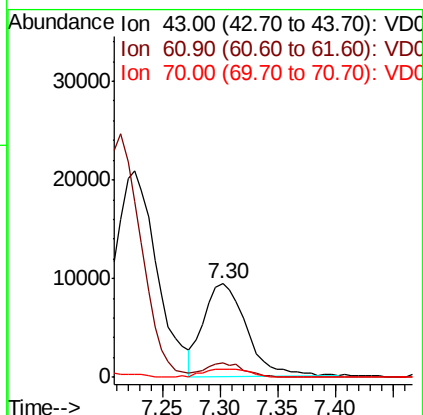
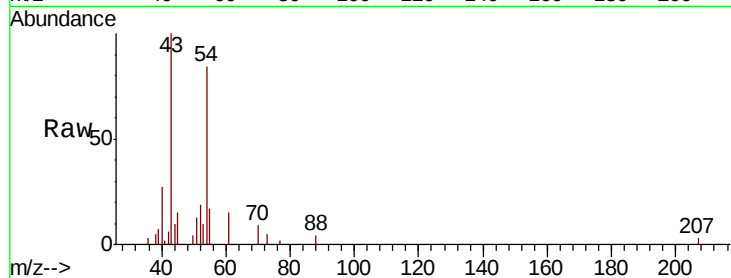




#37
Ethyl Acetate
Concen: 20.580 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

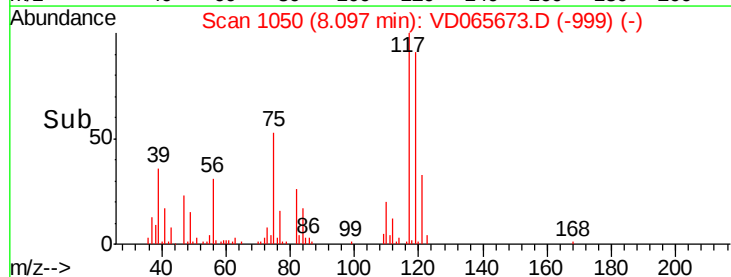
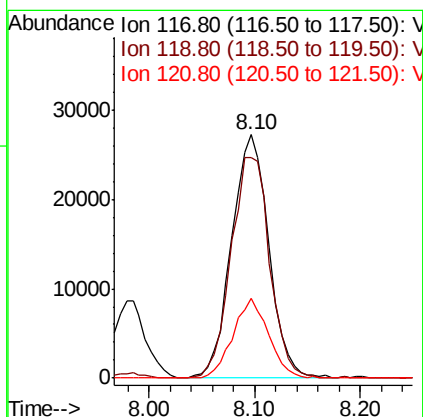
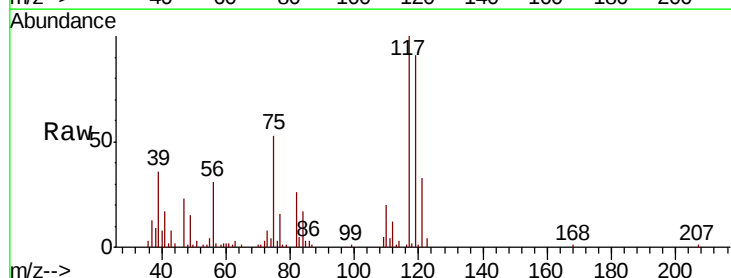
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

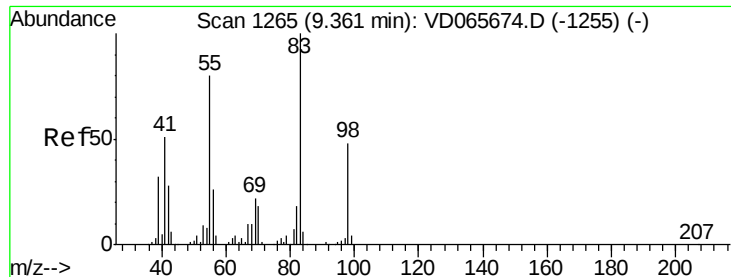
Tot Ion: 43 Resp: 24348
Ion Ratio Lower Upper
43 100
61 14.2 11.3 16.9
70 9.5 7.5 11.3



#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

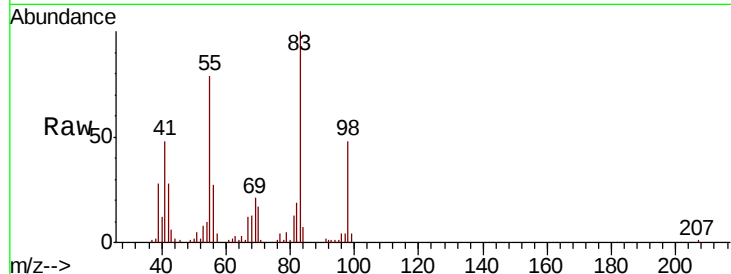




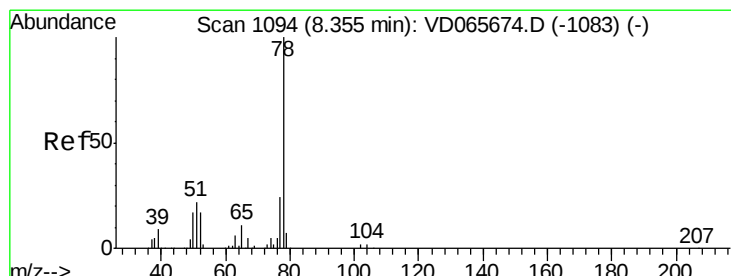
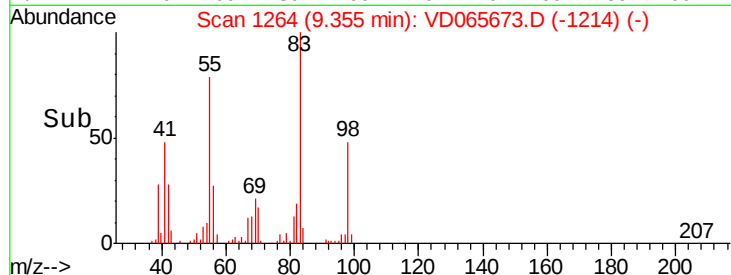
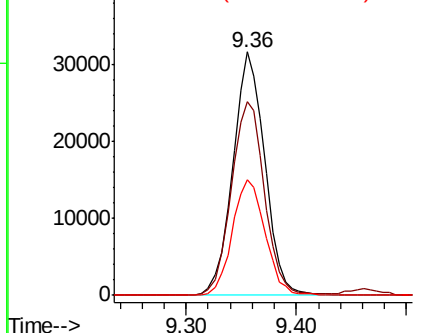
#39
Methylvlcvclohexane
Concen: 20.509 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

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

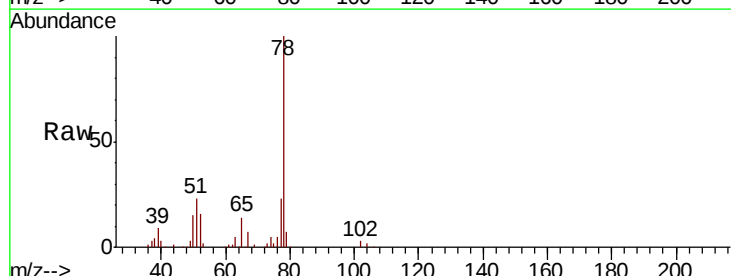


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

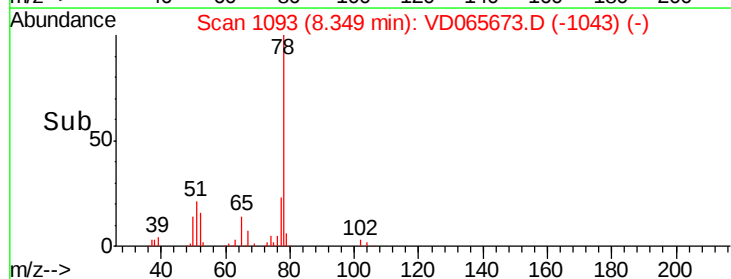
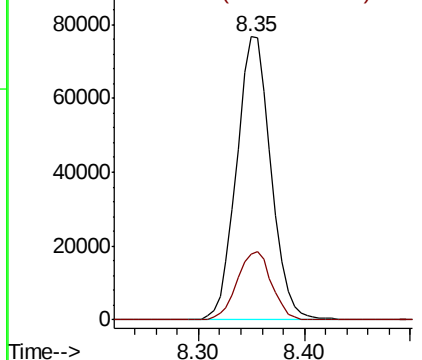


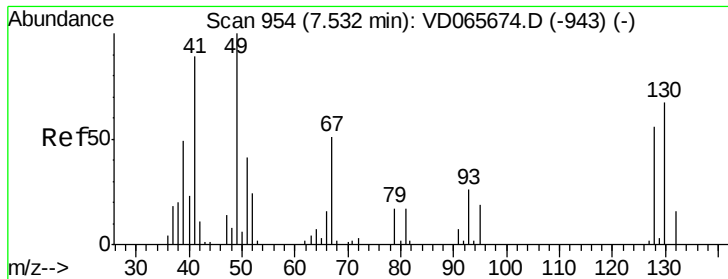
#40
Benzene
Concen: 20.683 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

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 :

VSTDIC020

Tot Ion: 41 Resp: 12642

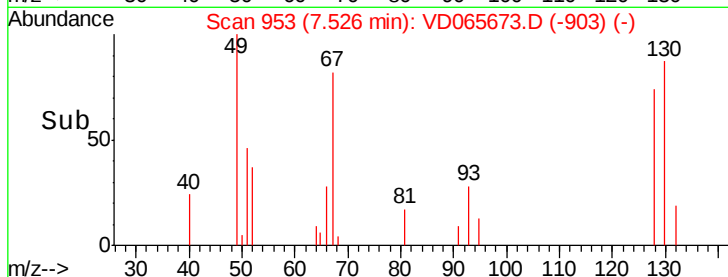
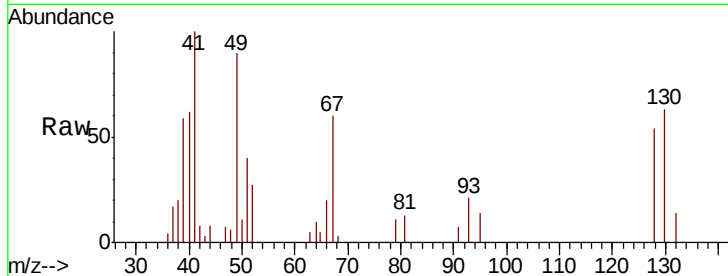
Ion Ratio Lower Upper

41 100

39 54.5 0.0 0.0#

67 70.2 56.0 84.0

52 34.9 27.0 40.4

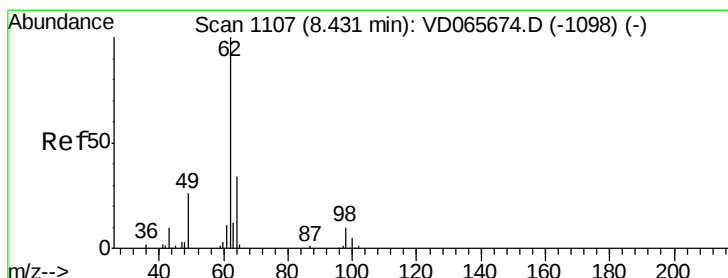
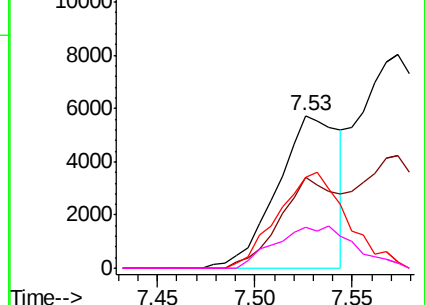


Abundance Ion 41.00 (40.70 to 41.70): VDC

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

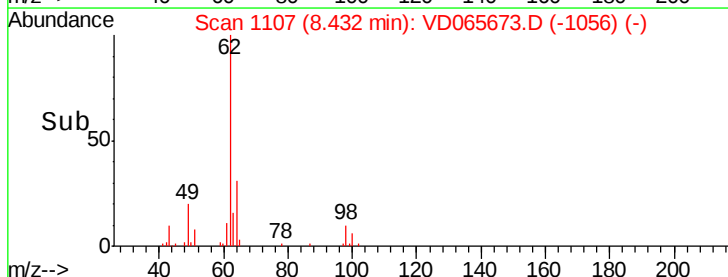
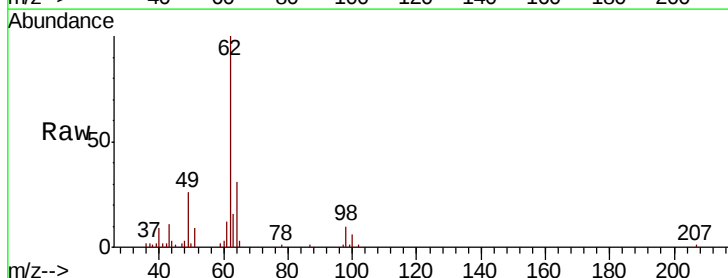
Acq: 24 Apr 2020 13:02

Tgt Ion: 62 Resp: 50318

Ion Ratio Lower Upper

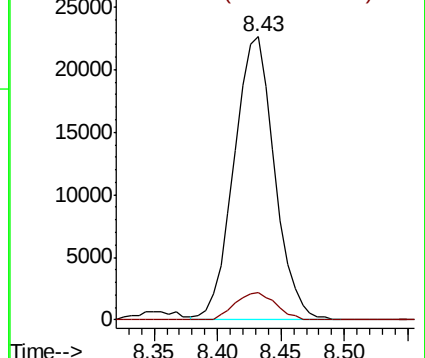
62 100

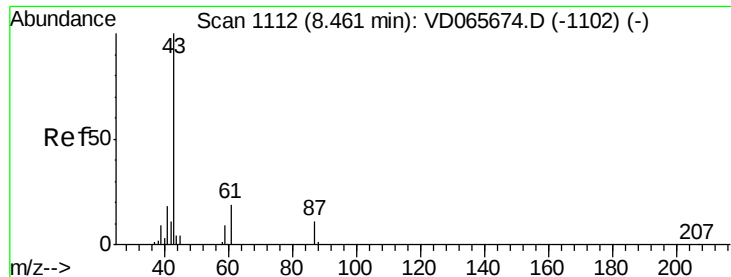
98 9.5 0.0 17.2



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

ClientSampleId :

VSTDIC020

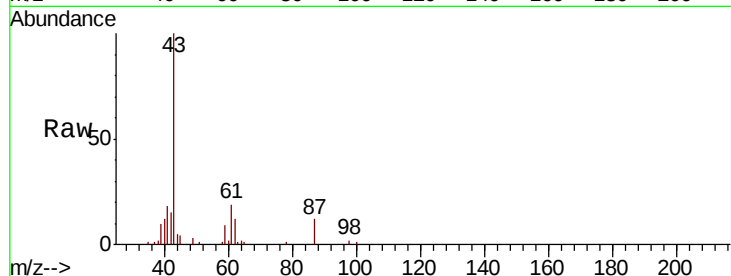
Tot Ion: 43 Resp: 44028

Ion Ratio Lower Upper

43 100

61 31.3 24.4 36.6

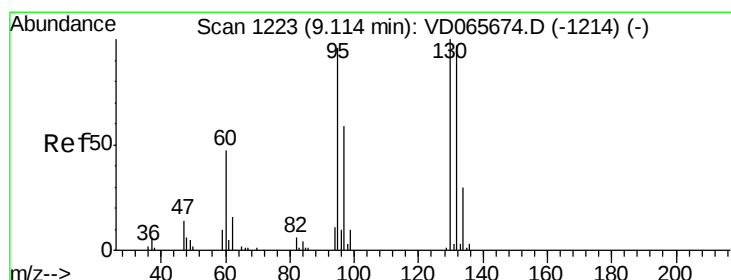
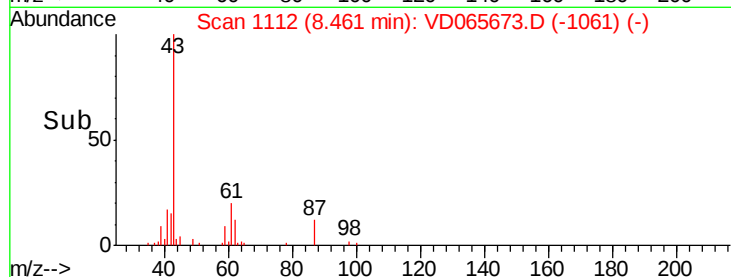
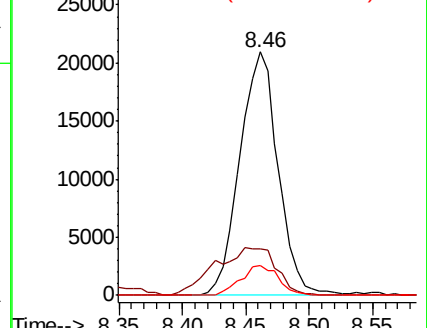
87 11.8 9.3 13.9



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

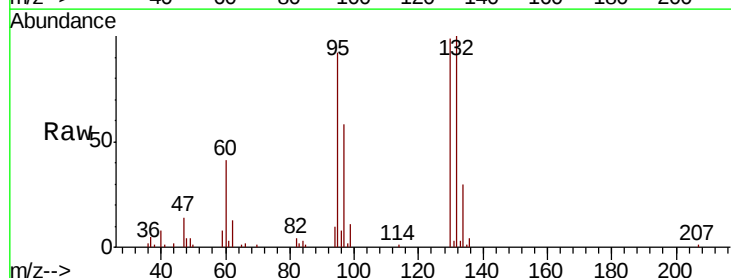
Acq: 24 Apr 2020 13:02

Tgt Ion: 130 Resp: 48356

Ion Ratio Lower Upper

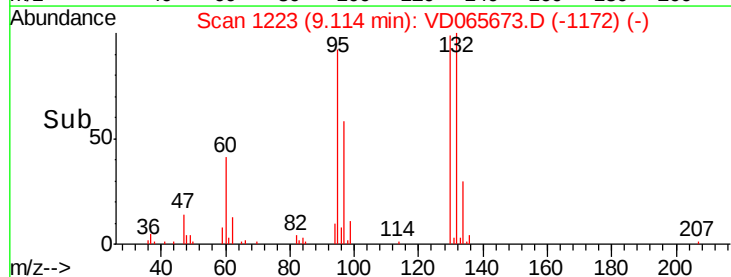
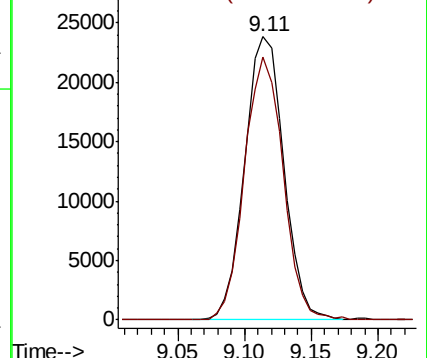
130 100

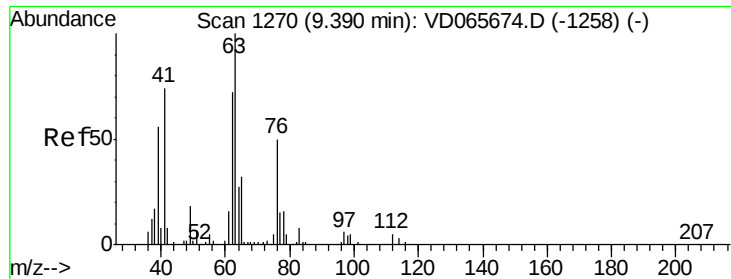
95 92.9 0.0 191.8



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 :

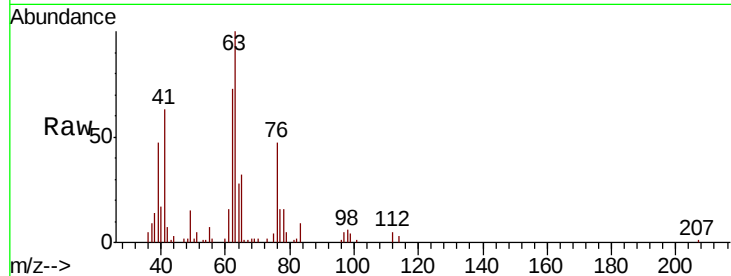
VSTDIC020

Tot Ion: 63 Resp: 43811

Ion Ratio Lower Upper

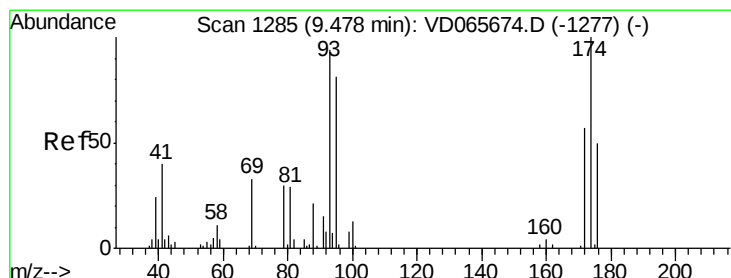
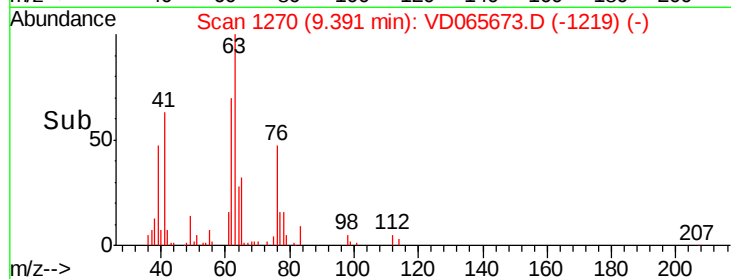
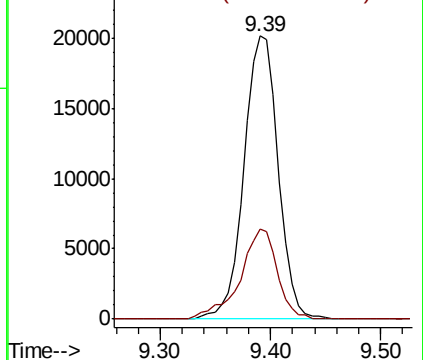
63 100

65 32.0 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#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

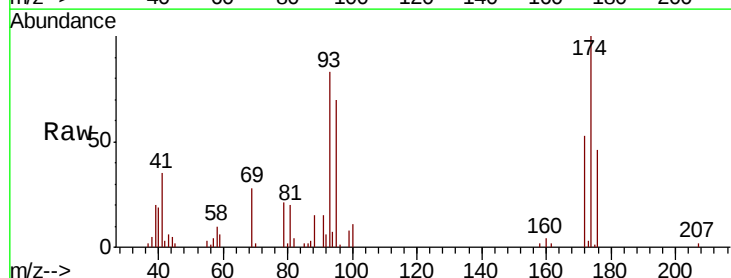
Tgt Ion: 93 Resp: 22028

Ion Ratio Lower Upper

93 100

95 83.4 66.1 99.1

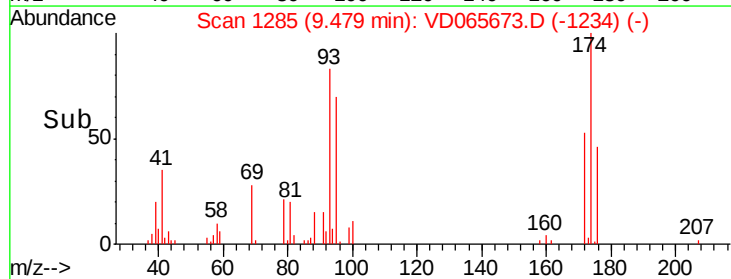
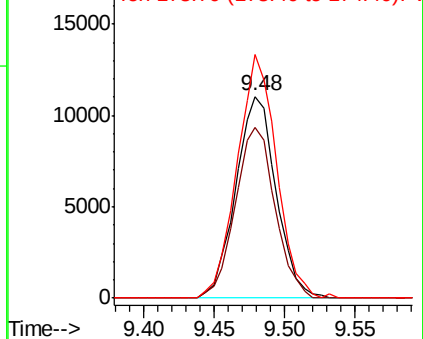
174 118.0 86.4 129.6

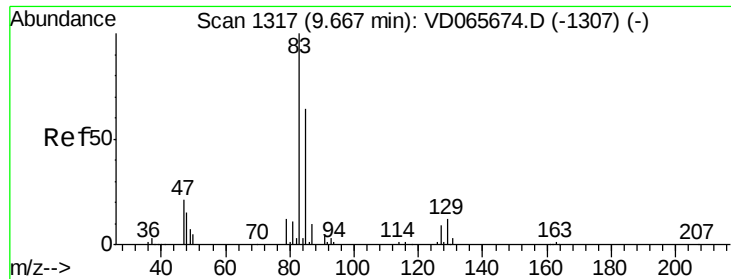


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

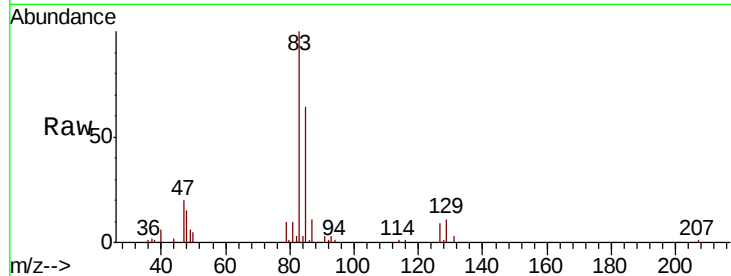




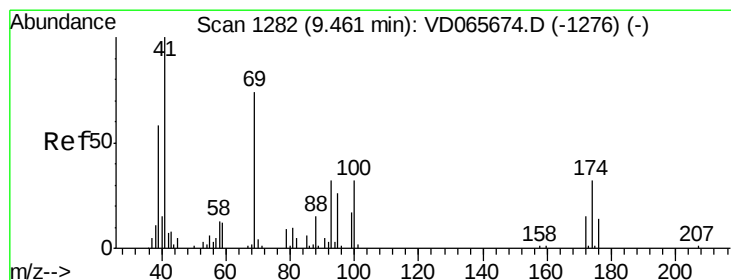
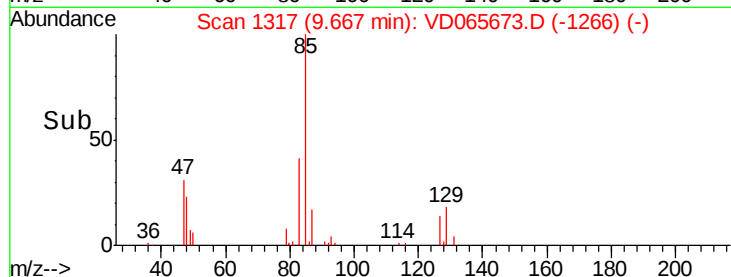
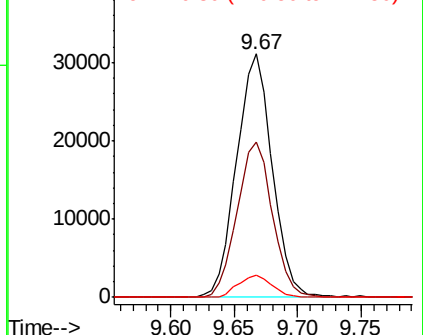
#47
Bromodichloromethane
Concen: 19.989 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

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

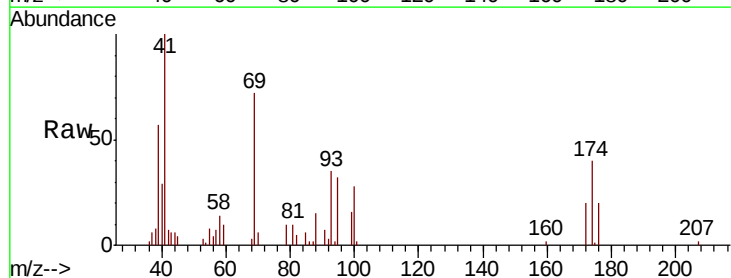


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

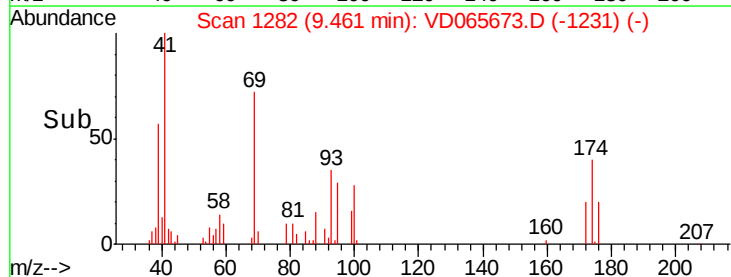
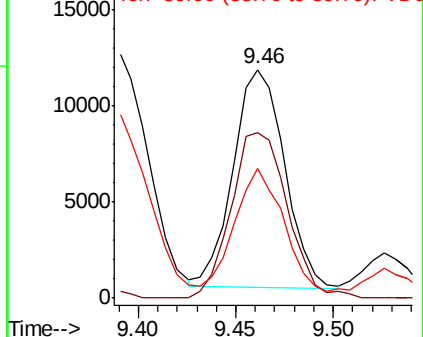


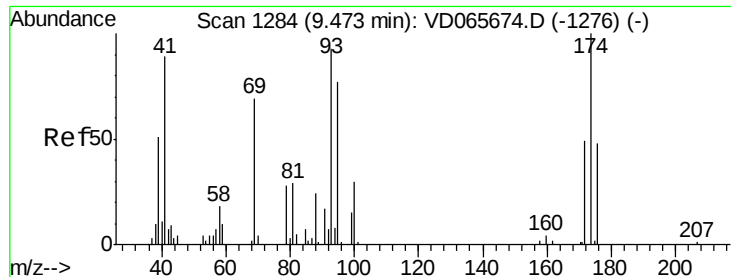
#48
Methyl methacrylate
Concen: 19.672 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

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 :

VSTDIC020

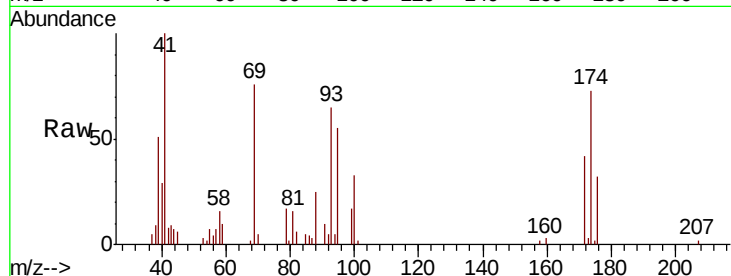
Tot Ion: 88 Resp: 4965

Ion Ratio Lower Upper

88 100

43 39.1 34.2 51.2

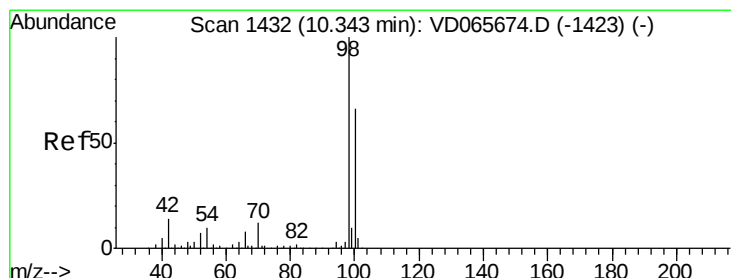
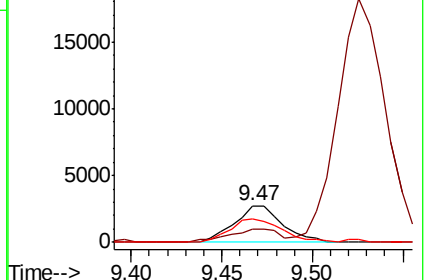
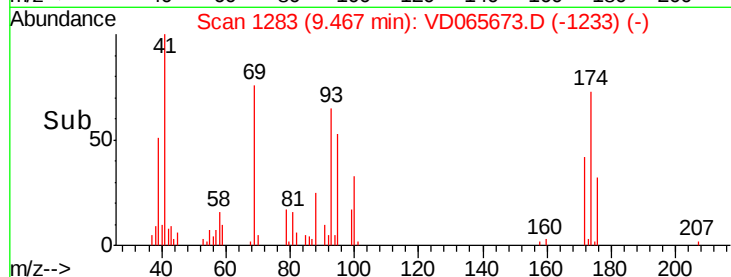
58 71.6 58.2 87.2



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

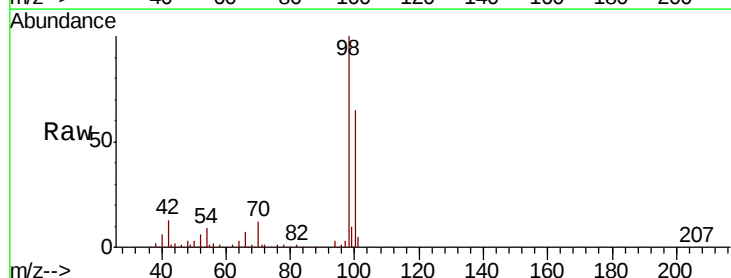
Acq: 24 Apr 2020 13:02

Tgt Ion: 98 Resp: 148045

Ion Ratio Lower Upper

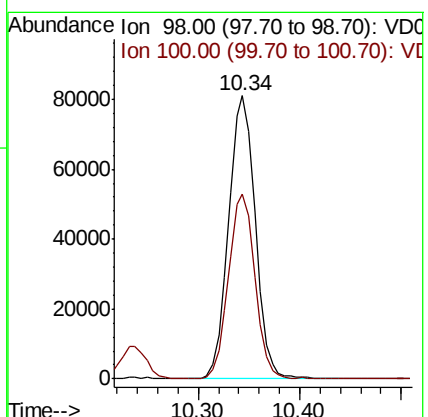
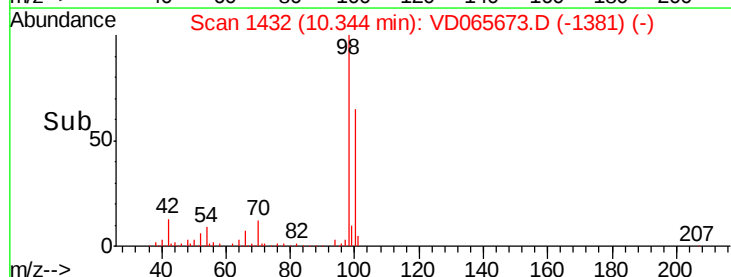
98 100

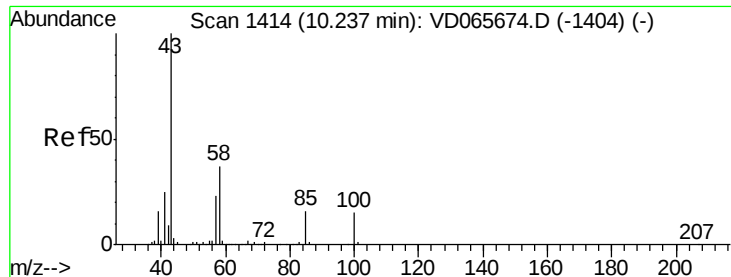
100 64.7 52.2 78.4



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 :

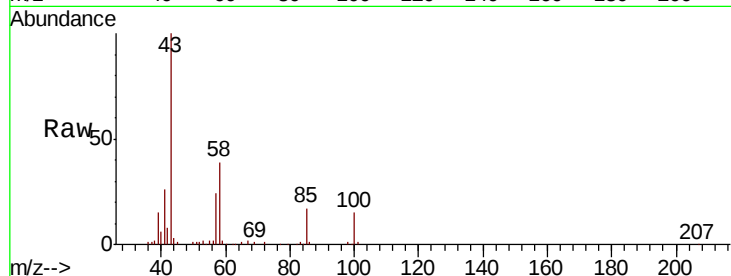
VSTDIC020

Tot Ion: 43 Resp: 117425

Ion Ratio Lower Upper

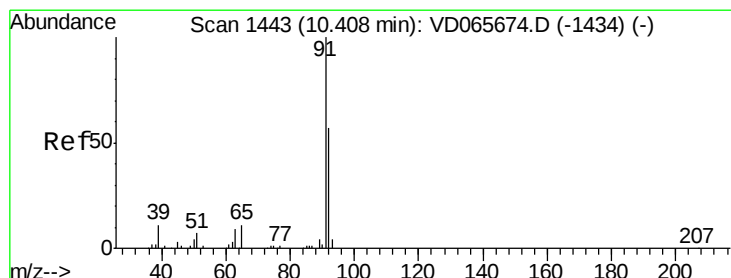
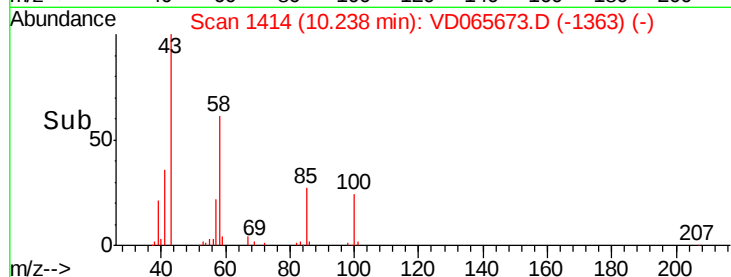
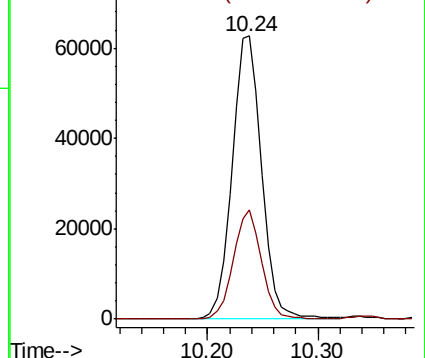
43 100

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

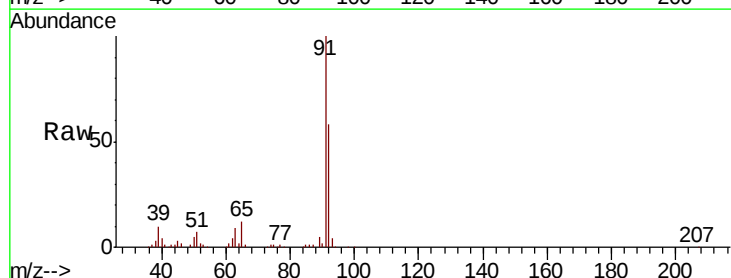
Acq: 24 Apr 2020 13:02

Tgt Ion: 92 Resp: 107908

Ion Ratio Lower Upper

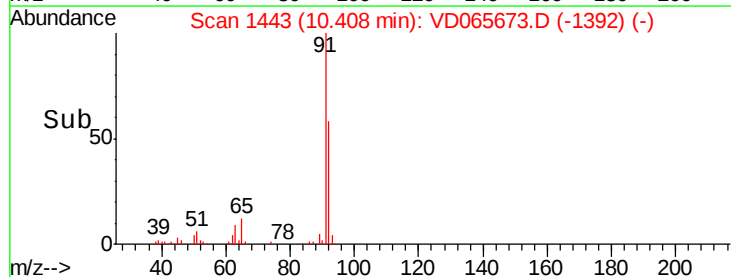
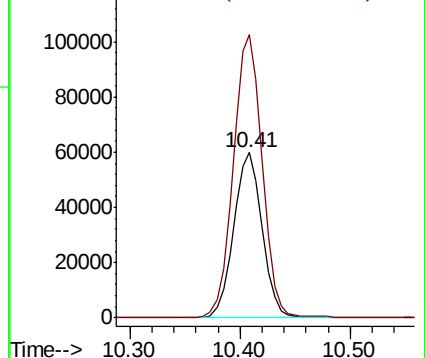
92 100

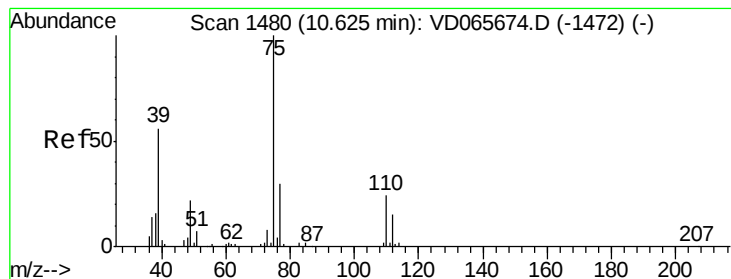
91 174.5 139.2 208.8



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 :

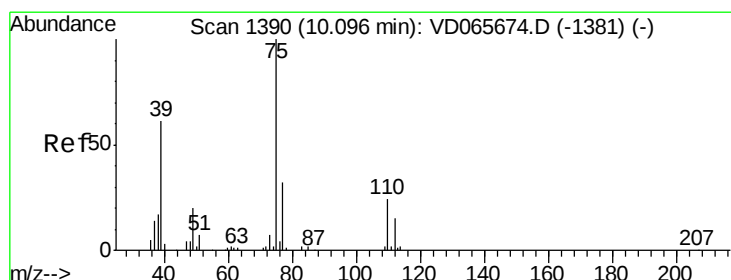
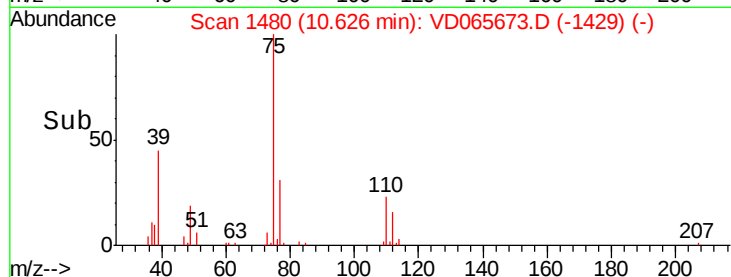
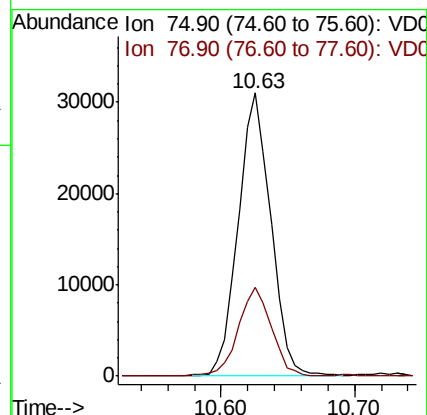
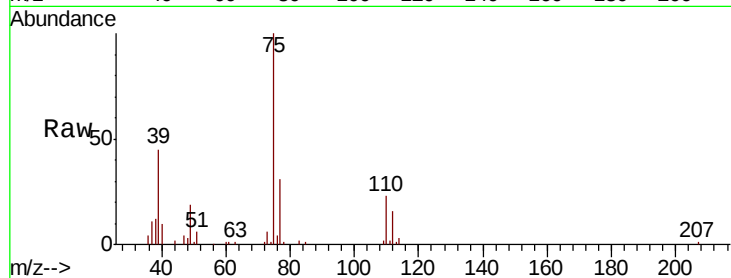
VSTDIC020

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

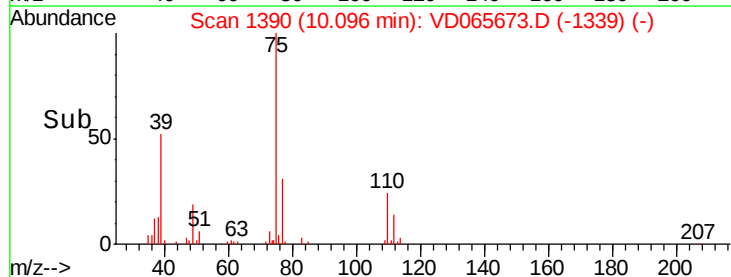
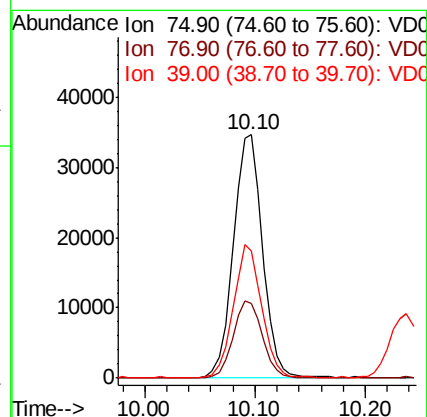
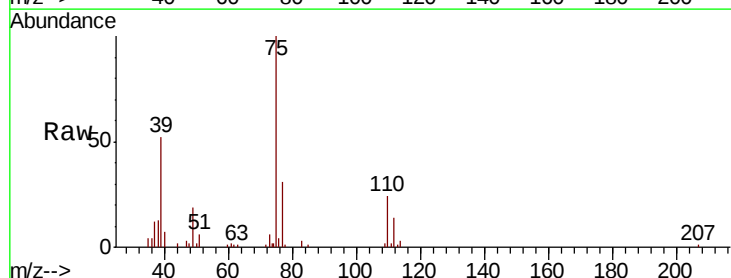
Tgt Ion: 75 Resp: 64342

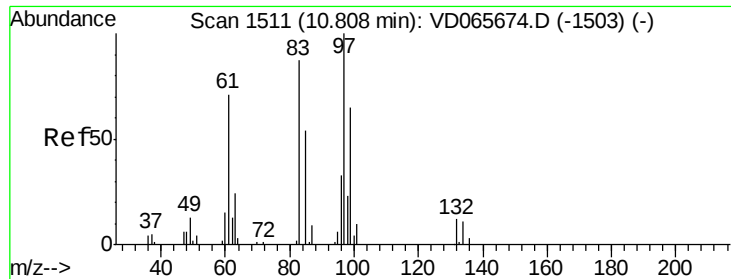
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 52.0 48.5 72.7

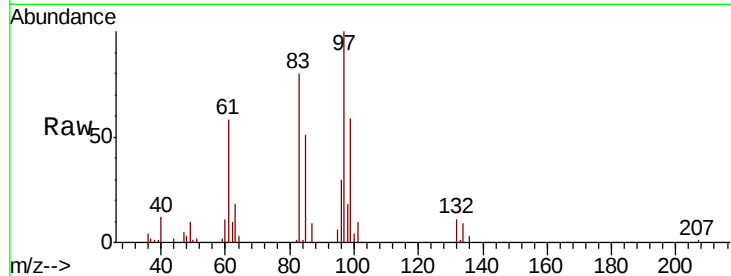




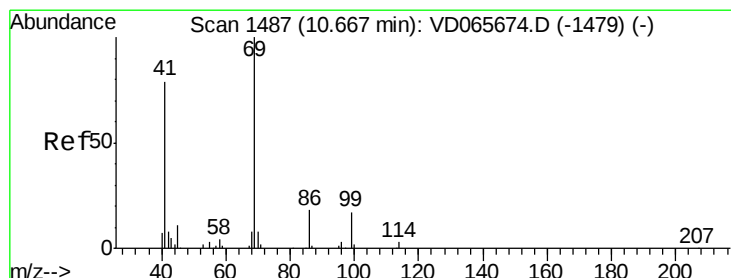
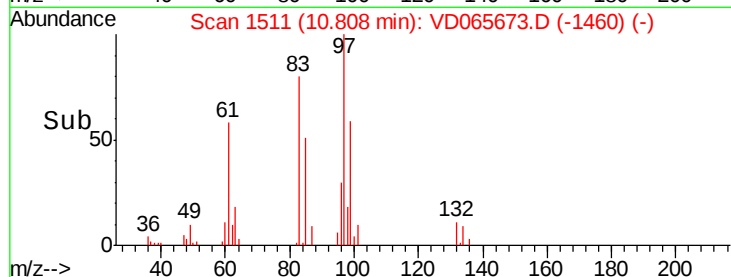
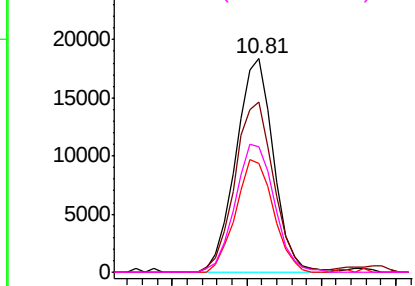
#55
 1,1,2-Trichloroethane
 Concen: 20.831 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

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

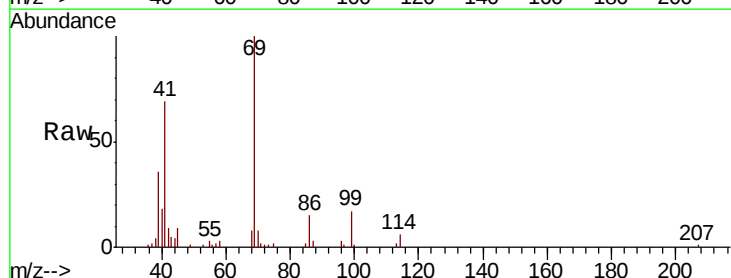


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

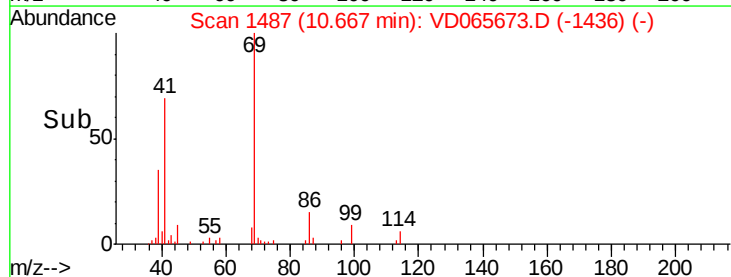
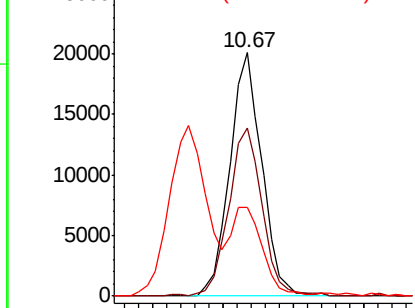


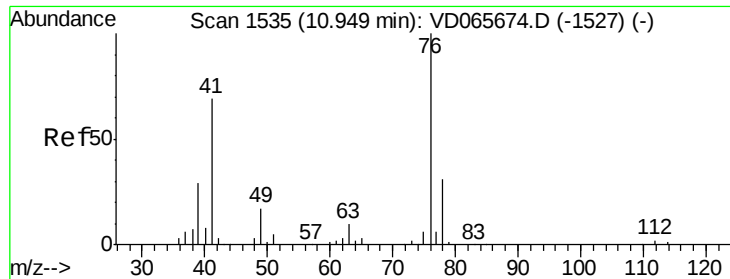
#56
 Ethyl methacrylate
 Concen: 21.980 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

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

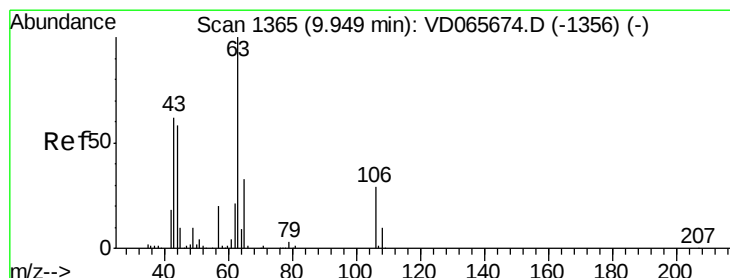
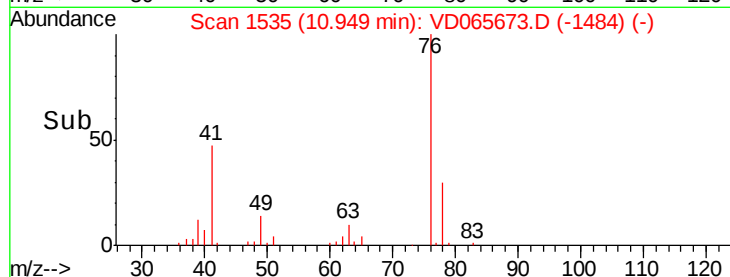
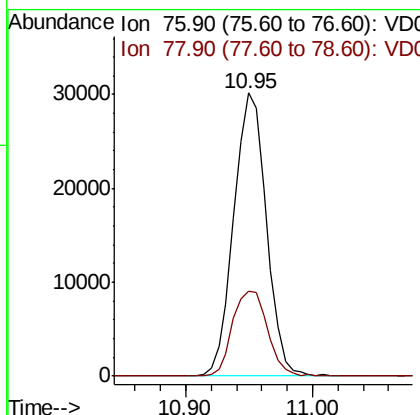
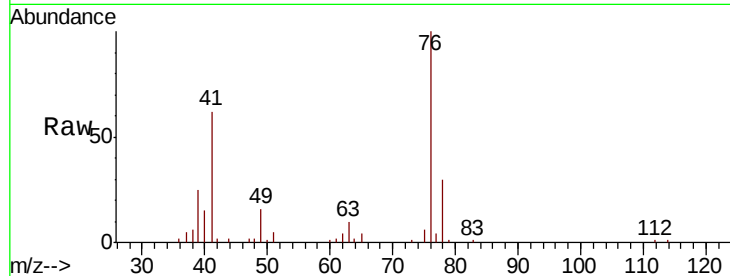




#57
 1,3-Dichloropropane
 Concen: 20.901 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

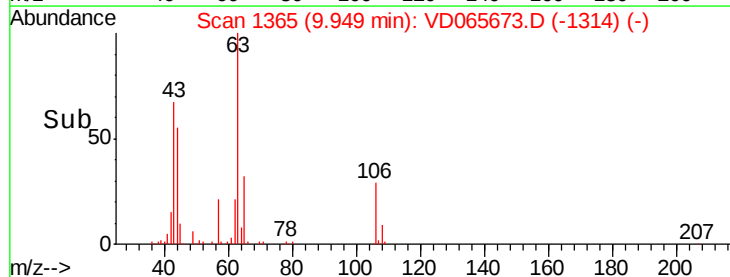
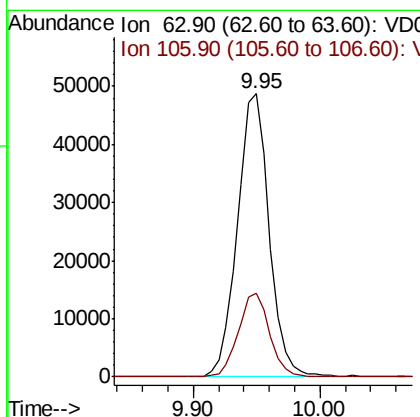
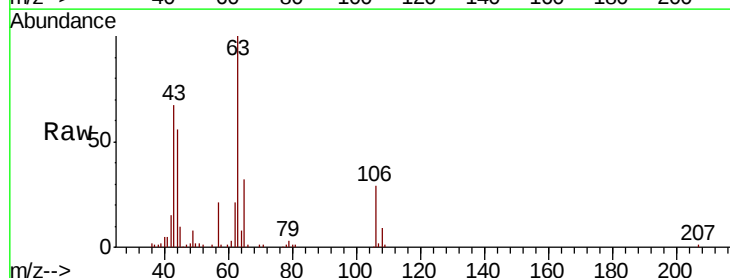
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

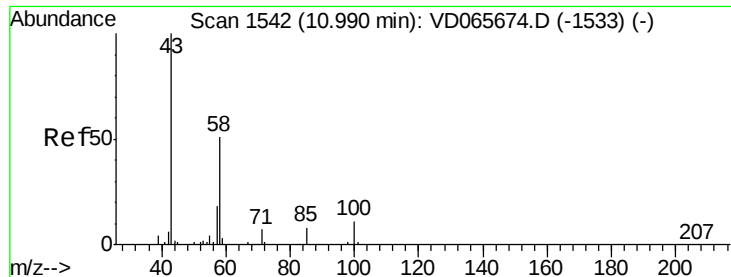
Tot Ion: 76 Resp: 53656
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9



#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

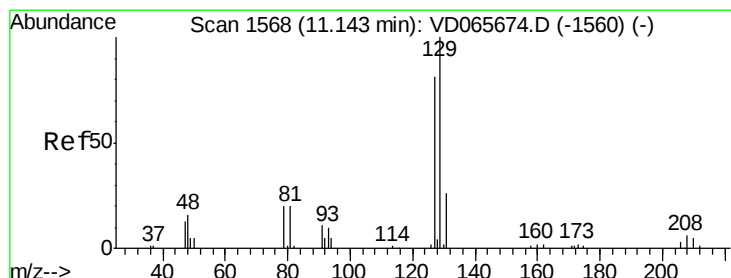
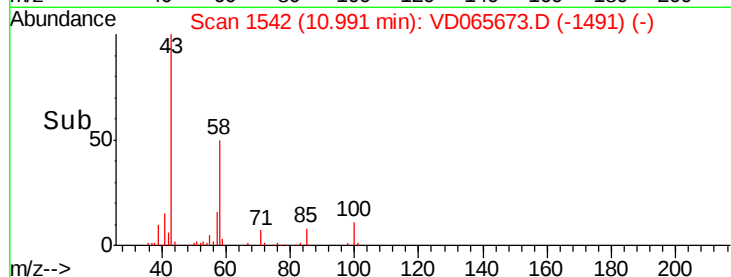
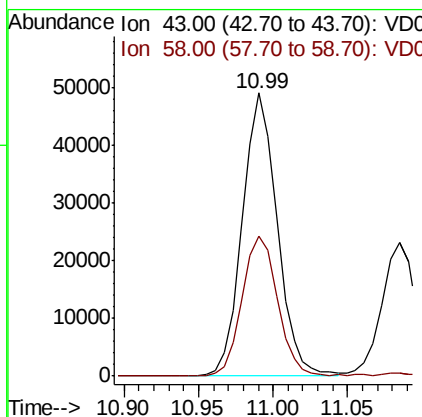
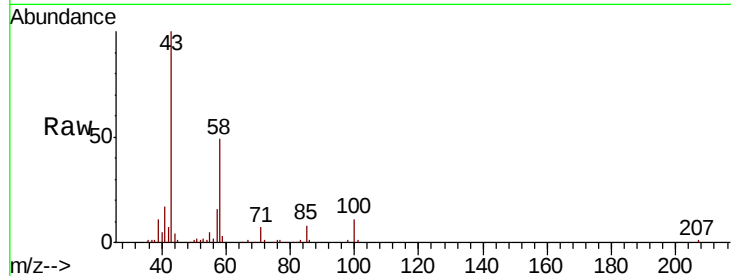




#59
2-Hexanone
Concen: 106.169 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

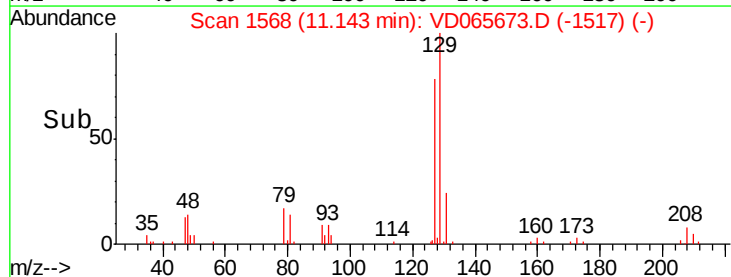
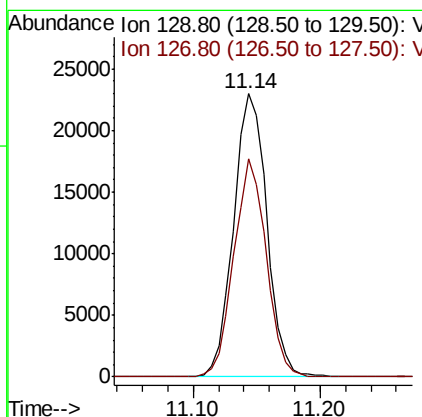
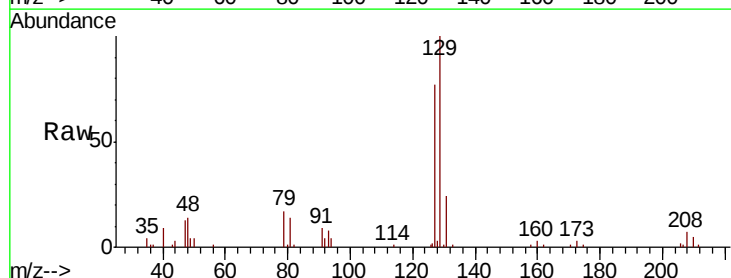
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

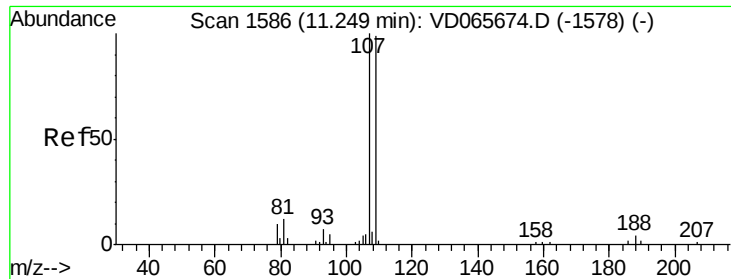
Tot Ion: 43 Resp: 79612
Ion Ratio Lower Upper
43 100
58 50.3 24.9 74.7



#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

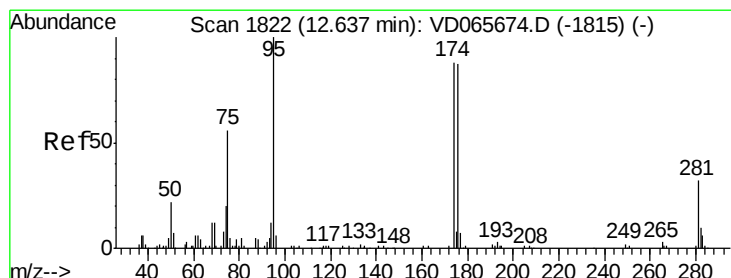
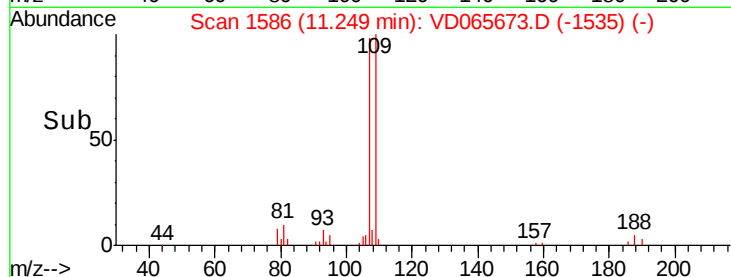
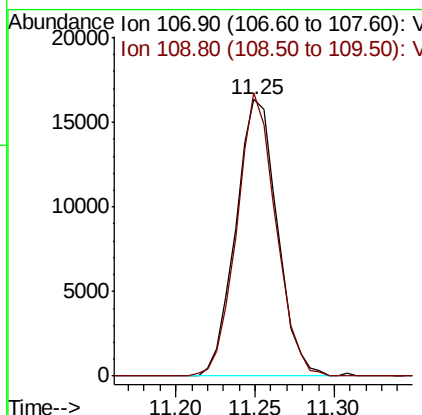
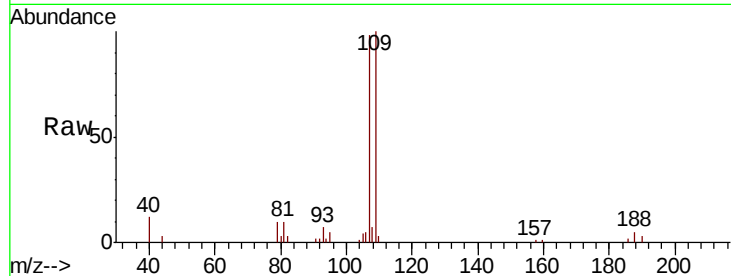




#61
 1,2-Dibromoethane
 Concen: 20.847 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

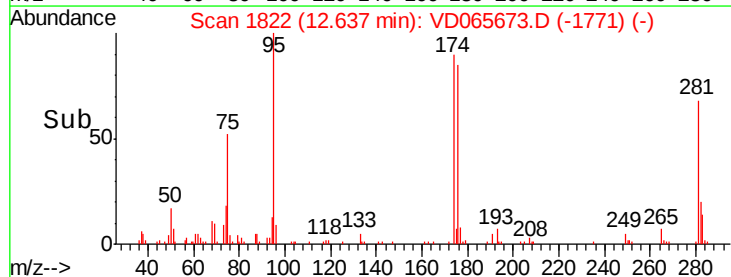
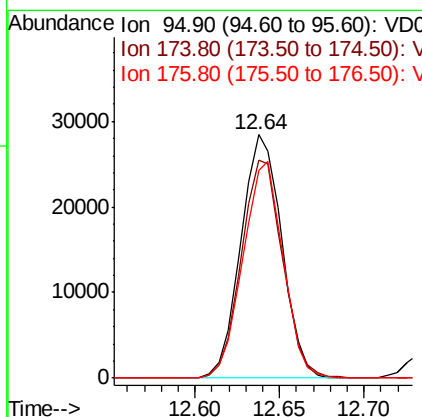
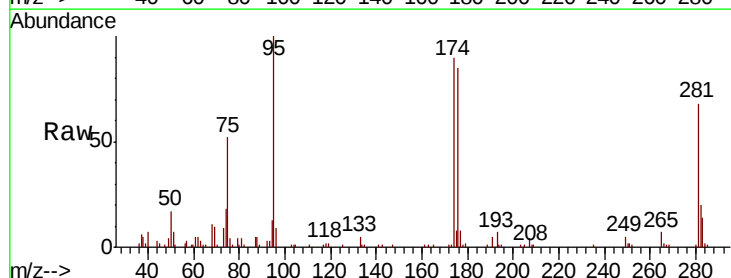
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

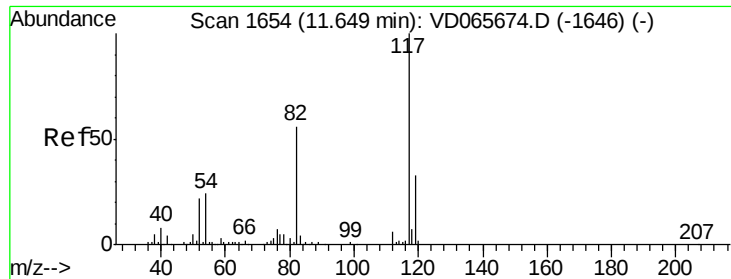
Tot Ion:107 Resp: 29673
 Ion Ratio Lower Upper
 107 100
 109 96.3 77.2 115.8



#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

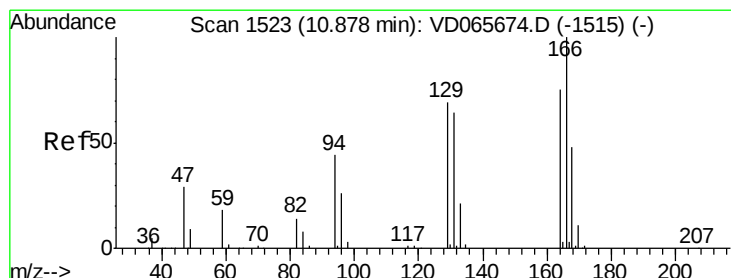
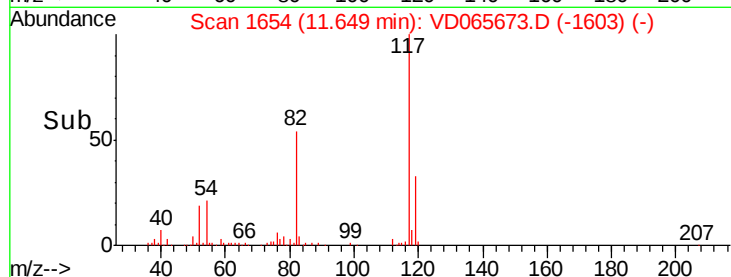
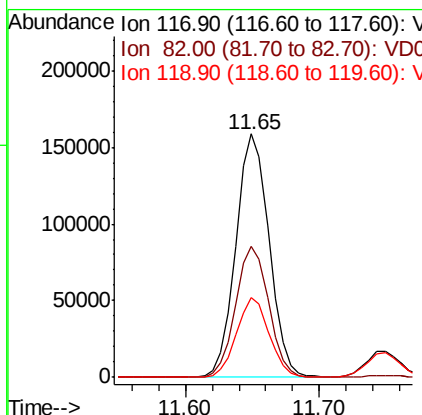
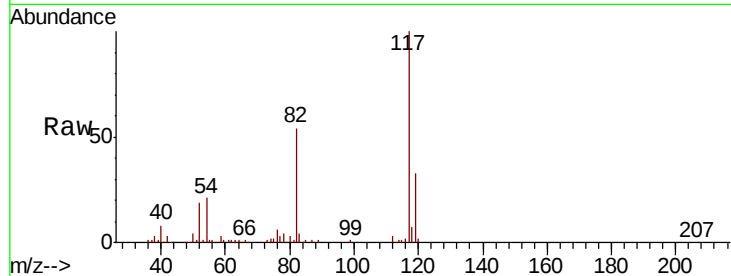




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

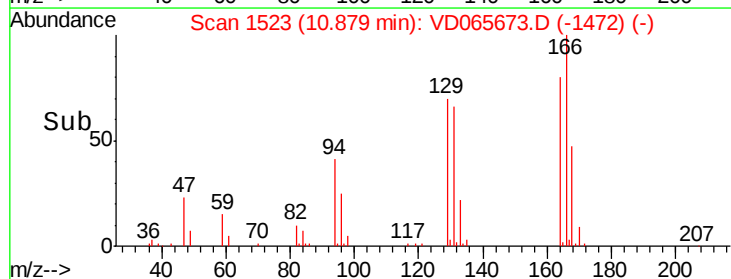
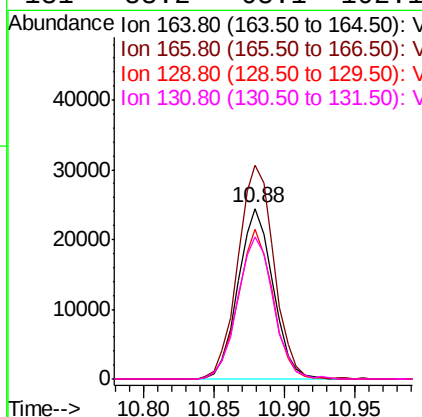
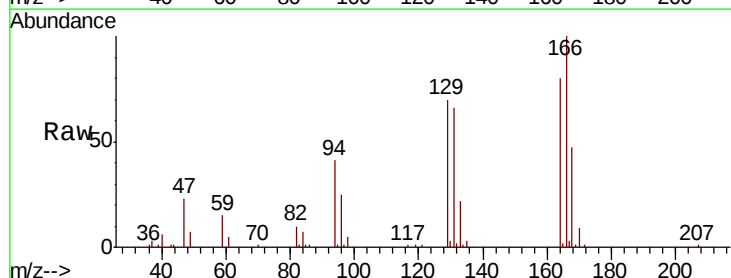
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

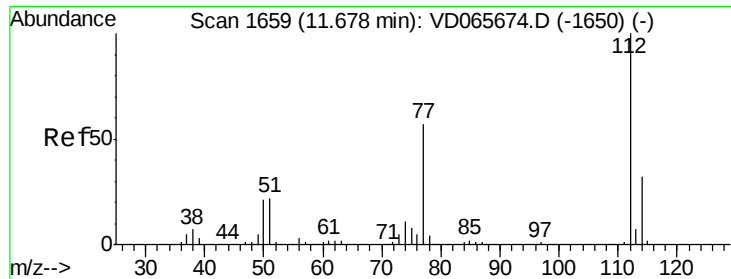
Tot Ion:117 Resp: 274275
Ion Ratio Lower Upper
117 100
82 54.0 44.6 67.0
119 32.9 26.2 39.2



#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

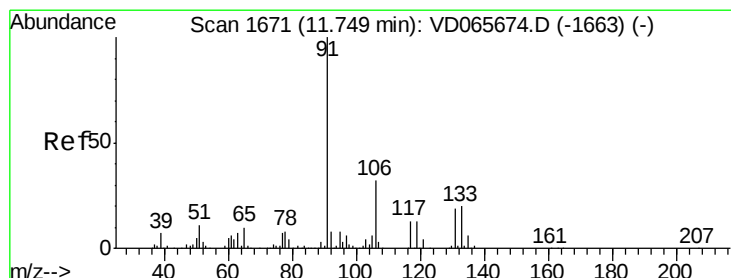
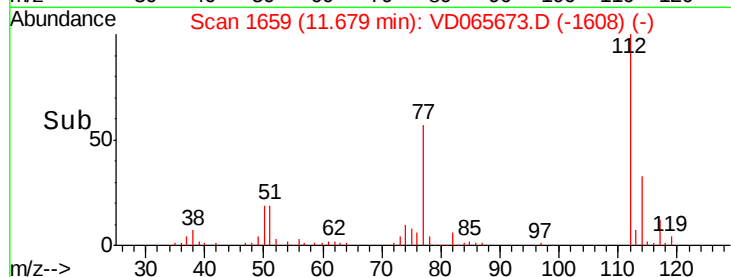
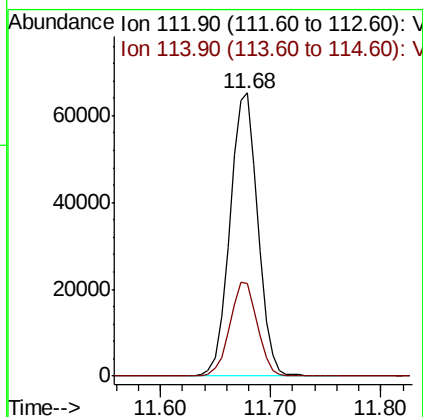
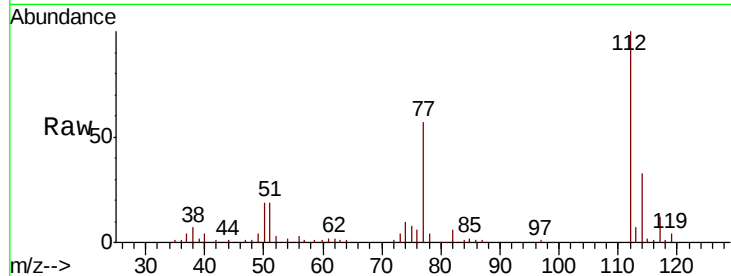




#65
Chlorobenzene
Concen: 19.780 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

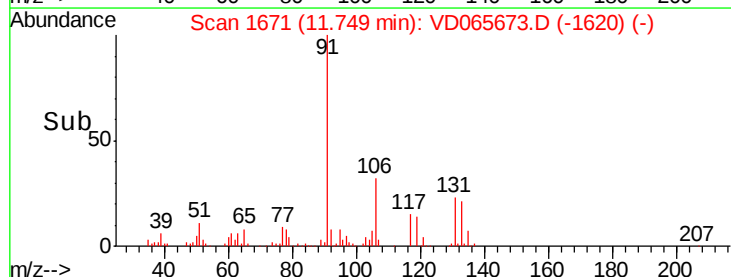
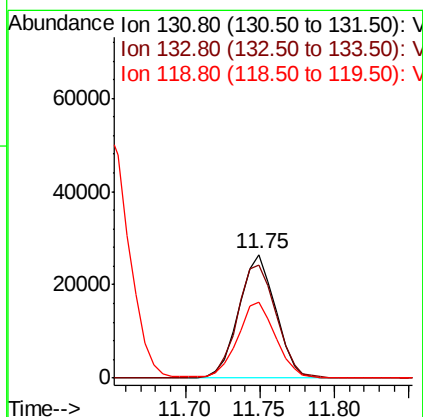
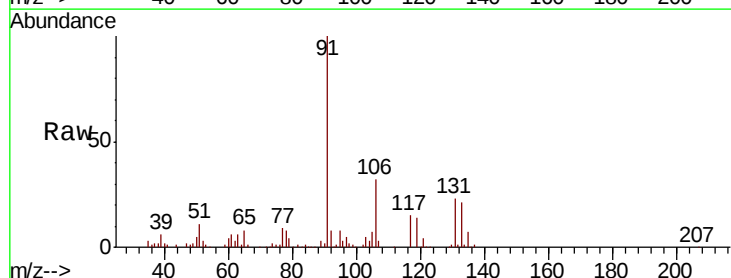
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

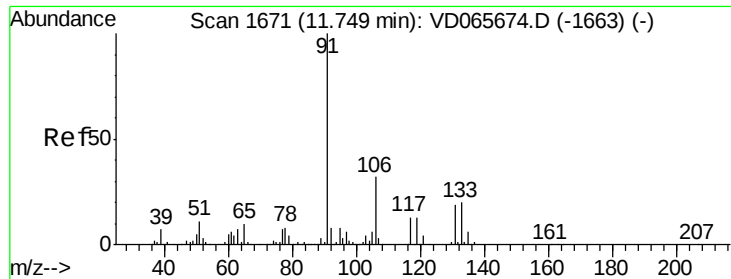
Tot Ion:112 Resp: 115525
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2



#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

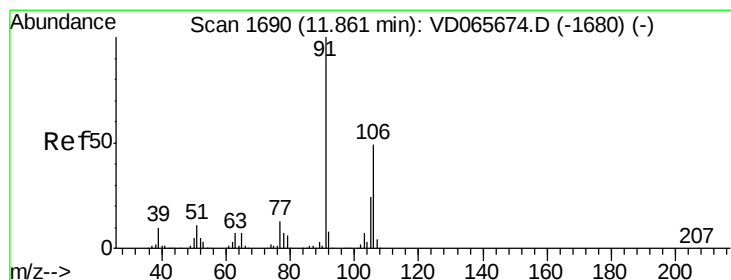
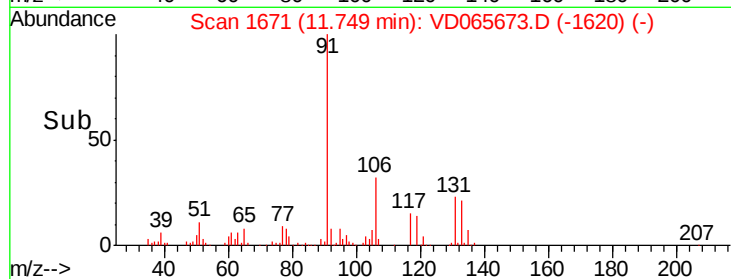
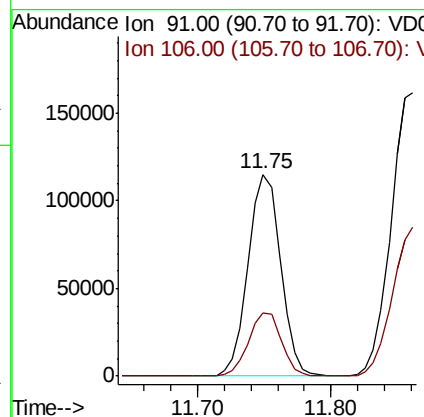
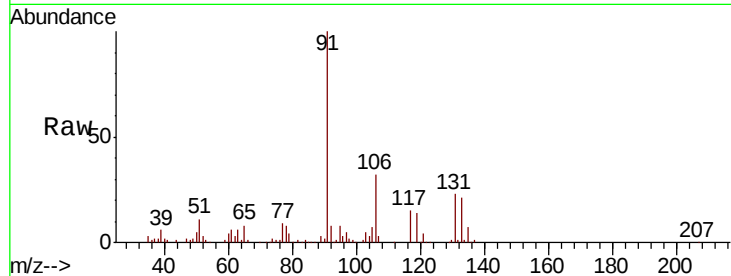




#67
Ethyl Benzene
Concen: 20.653 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

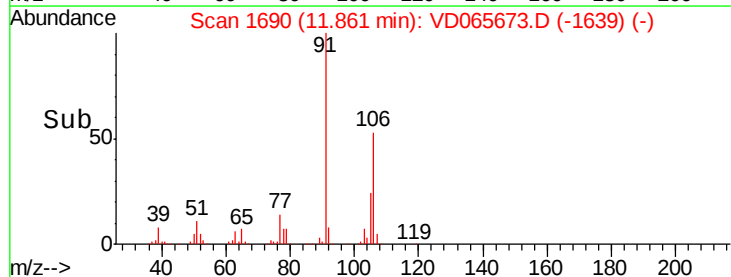
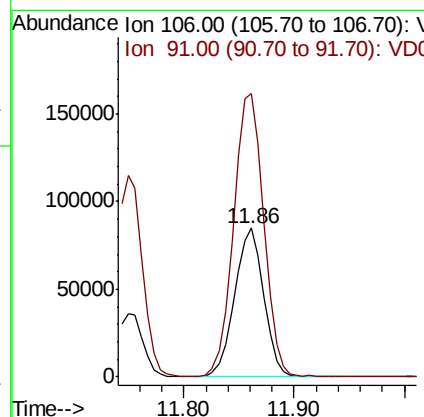
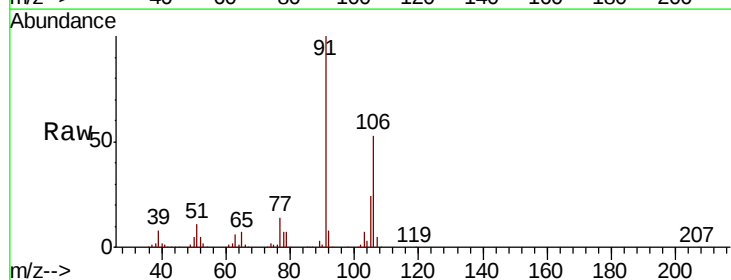
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

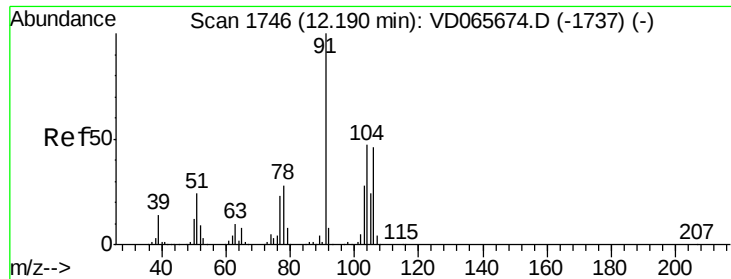
Tot Ion: 91 Resp: 194650
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9



#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

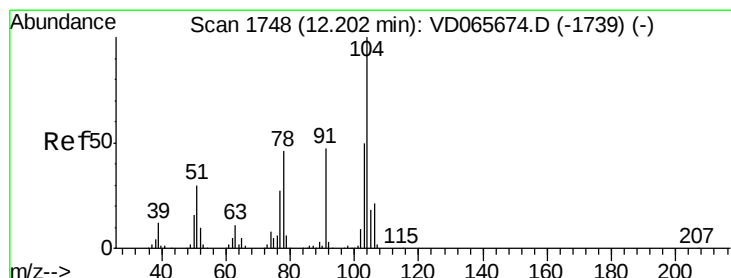
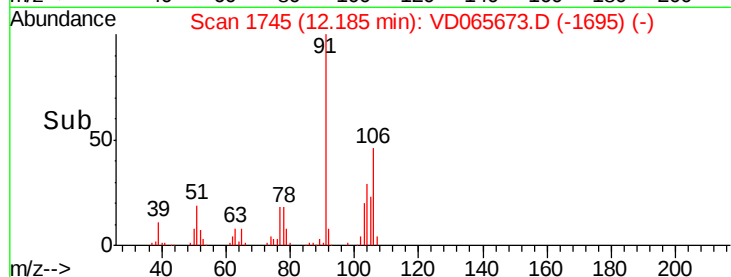
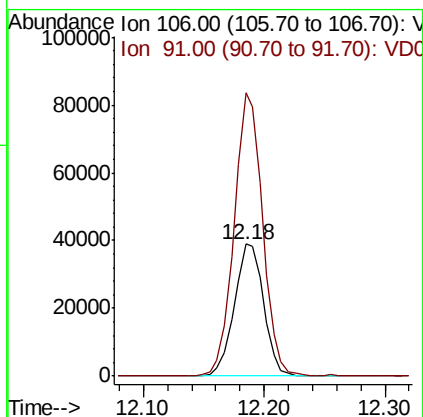
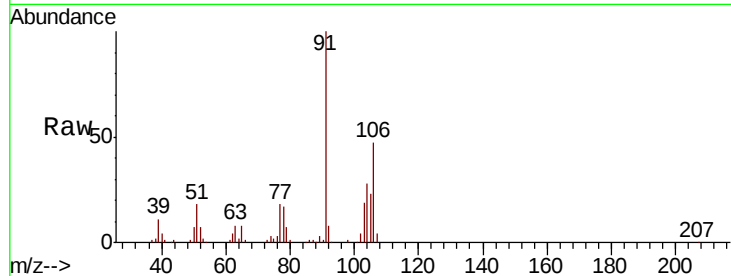




#69
o-Xylene
Concen: 21.416 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

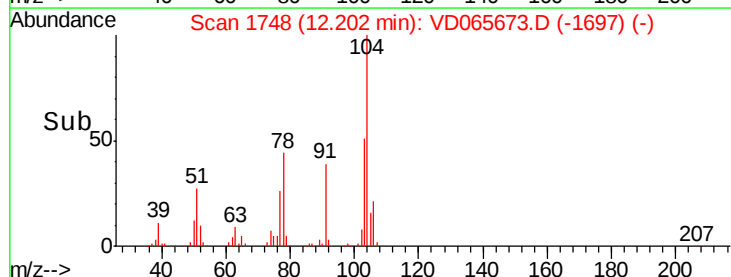
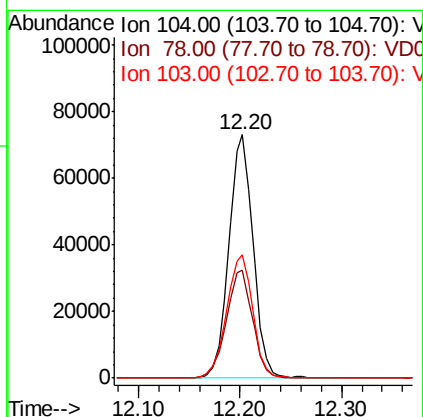
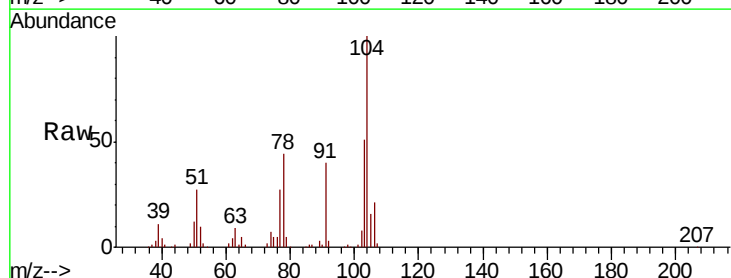
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

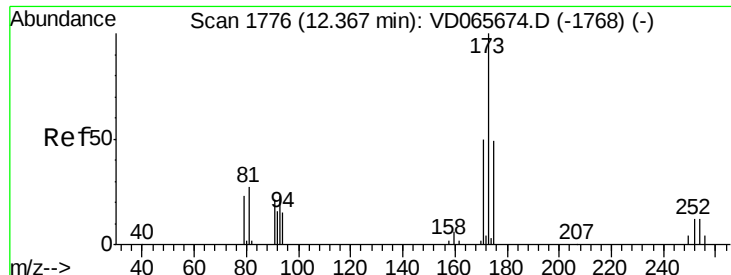
Tot Ion:106 Resp: 65900
Ion Ratio Lower Upper
106 100
91 209.3 109.9 329.8



#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

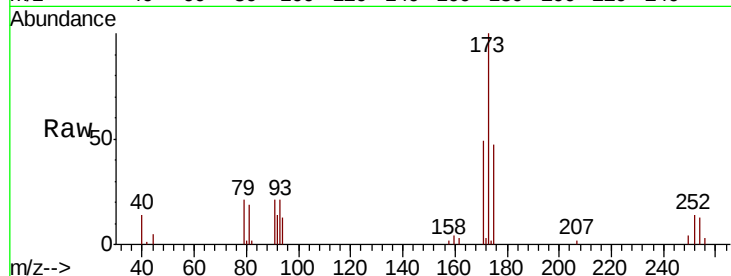




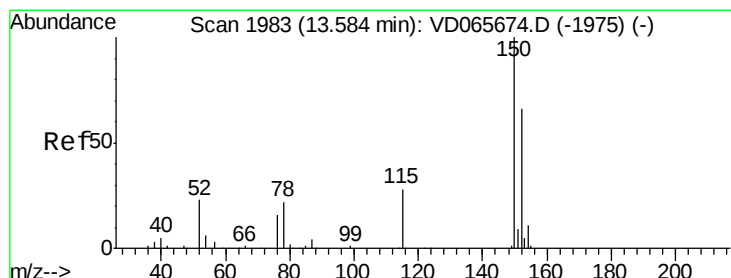
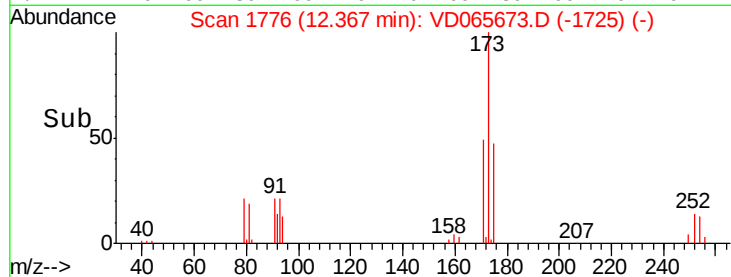
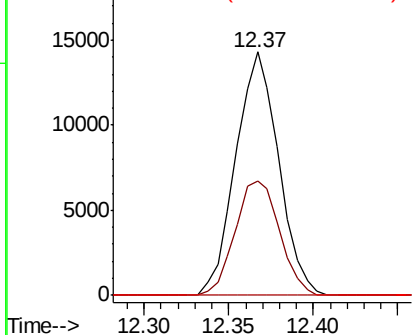
#71
Bromoform
Concen: 20.026 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

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

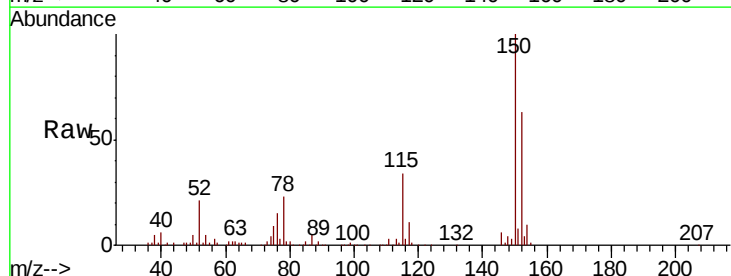


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

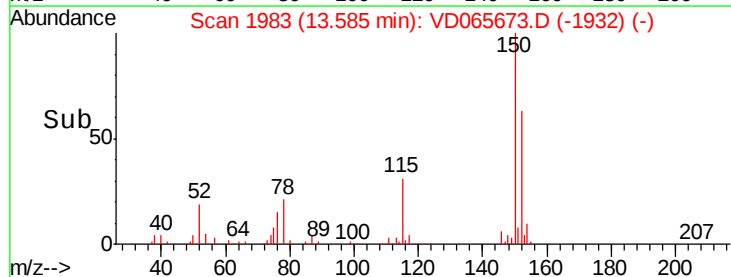
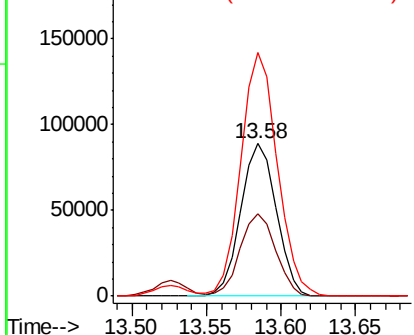


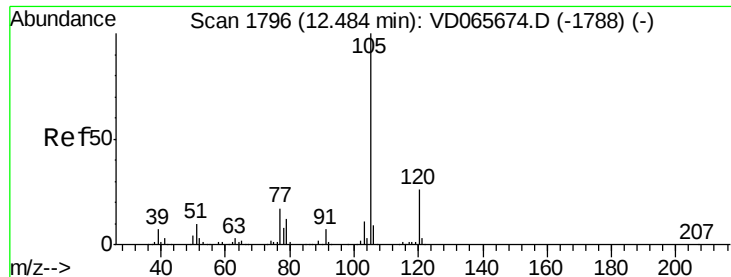
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

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



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 :

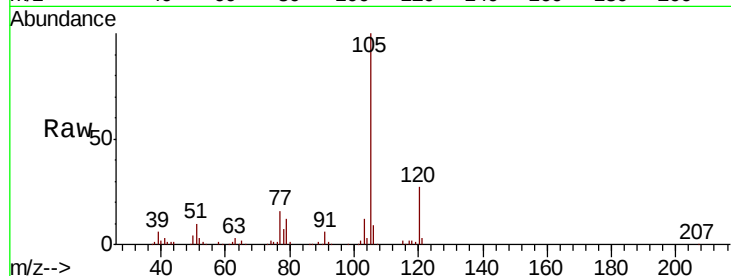
VSTDIC020

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

100000

80000

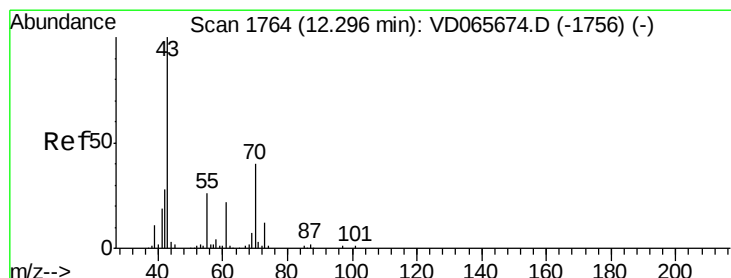
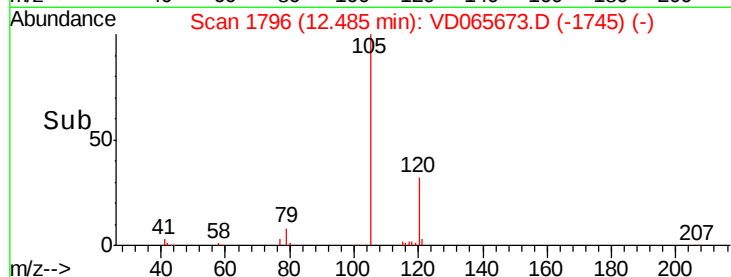
60000

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

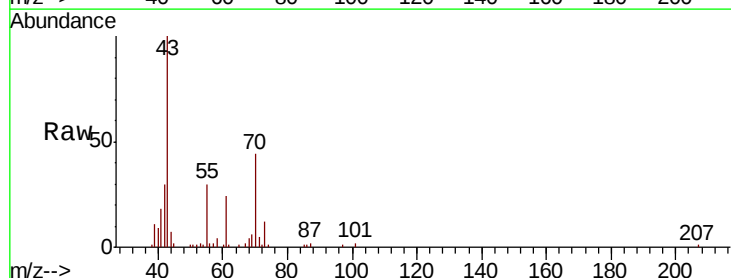
Ion Ratio Lower Upper

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

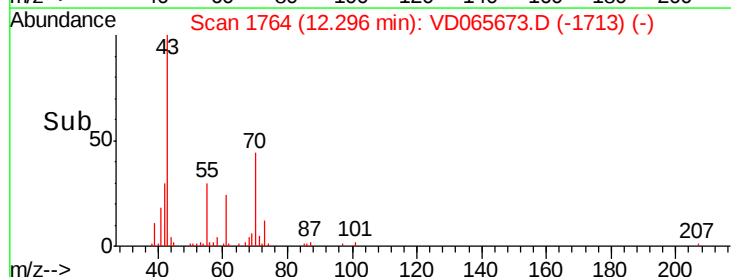
30000

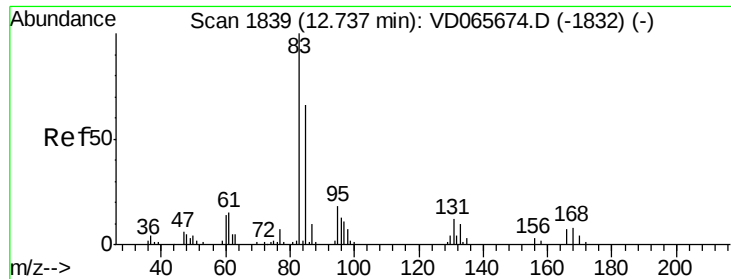
20000

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 :

VSTDIC020

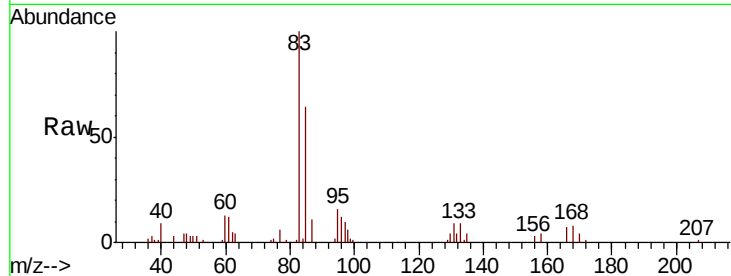
Tot Ion: 83 Resp: 35021

Ion Ratio Lower Upper

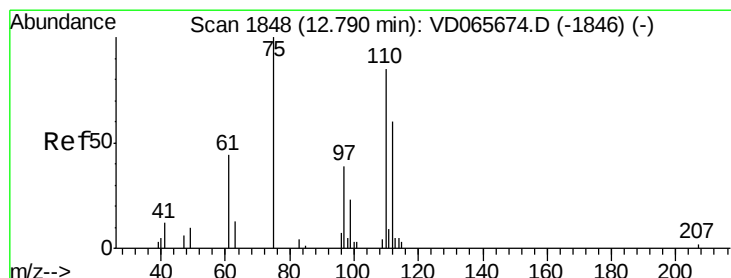
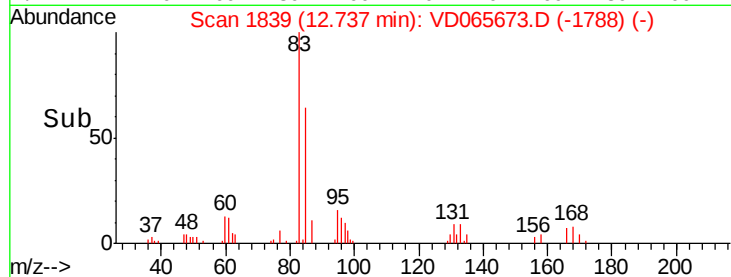
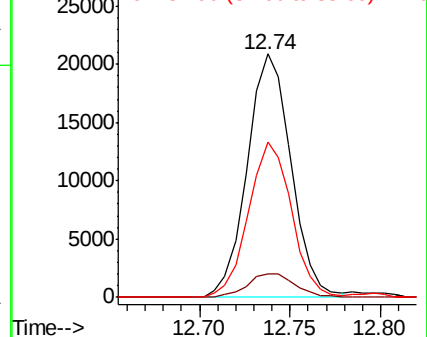
83 100

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: 18.548 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065673.D

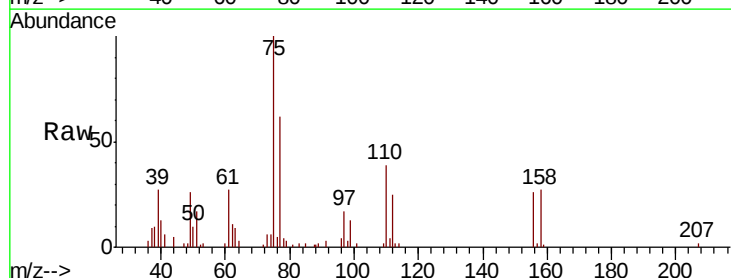
Acq: 24 Apr 2020 13:02

Tgt Ion: 75 Resp: 24042

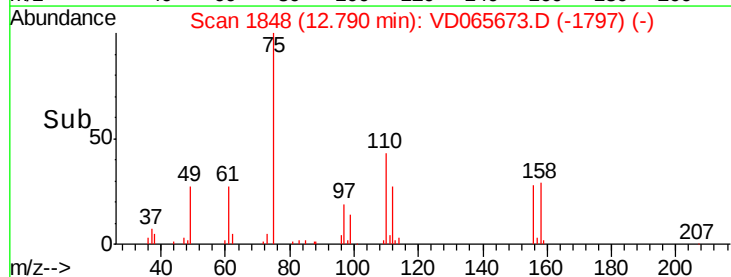
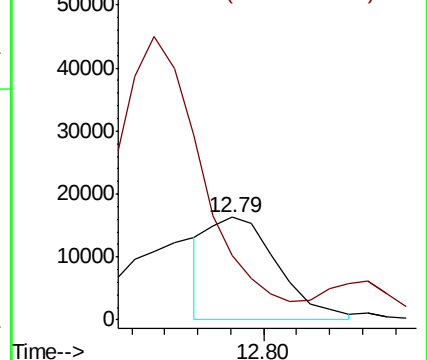
Ion Ratio Lower Upper

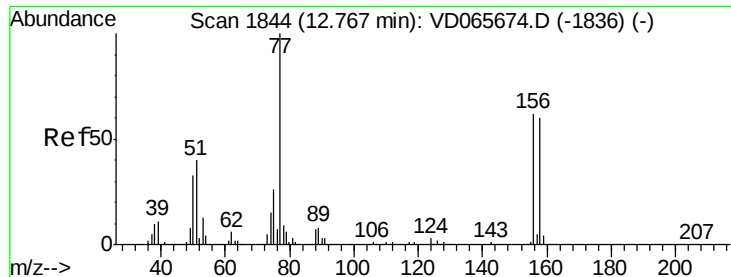
75 100

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 :

VSTDIC020

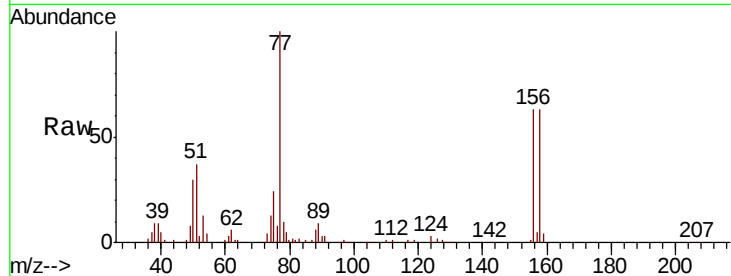
Tot Ion:156 Resp: 48555

Ion Ratio Lower Upper

156 100

77 171.7 87.3 261.9

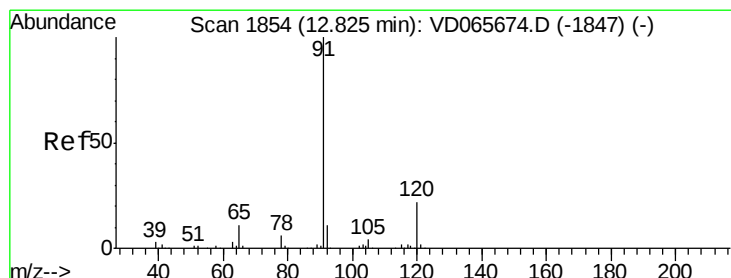
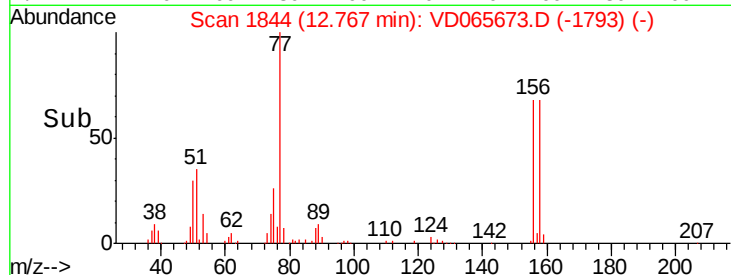
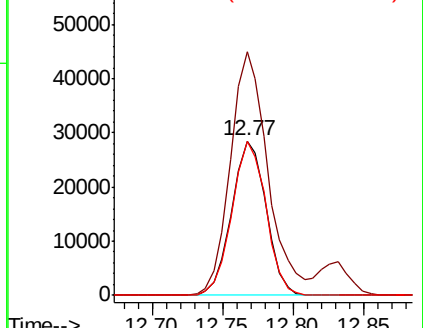
158 98.3 47.8 143.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

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

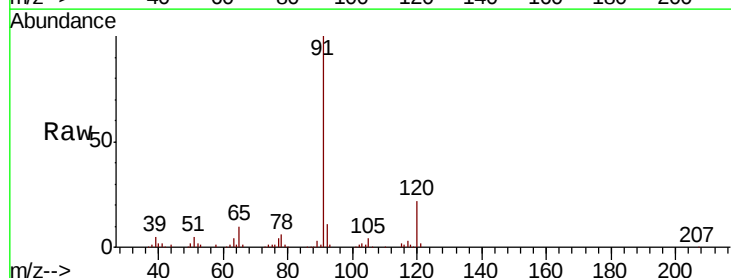
Acq: 24 Apr 2020 13:02

Tgt Ion: 91 Resp: 229070

Ion Ratio Lower Upper

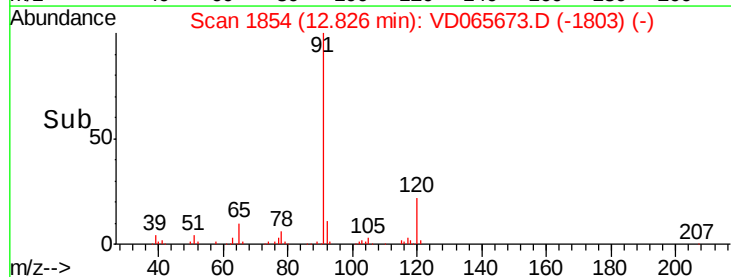
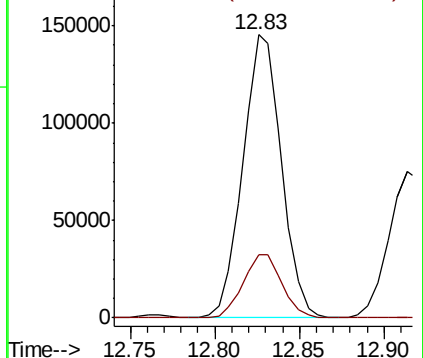
91 100

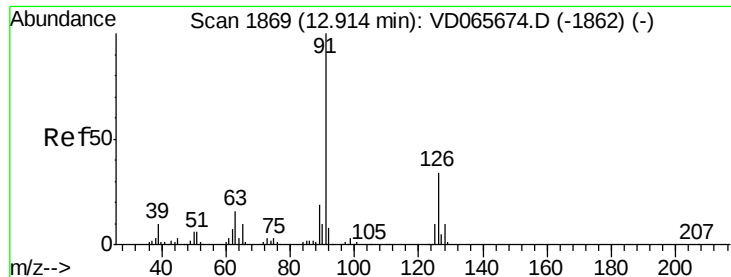
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): V

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 :

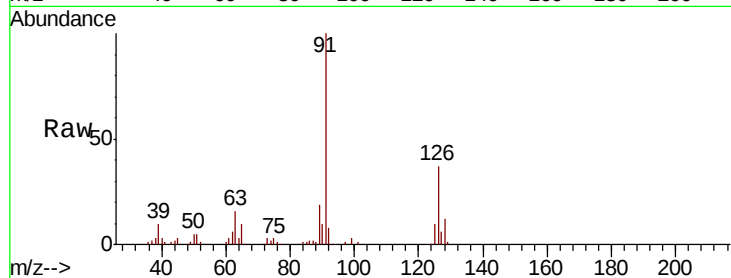
VSTDIC020

Tot Ion: 91 Resp: 127405

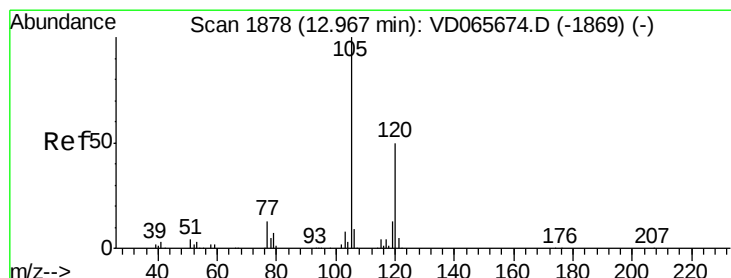
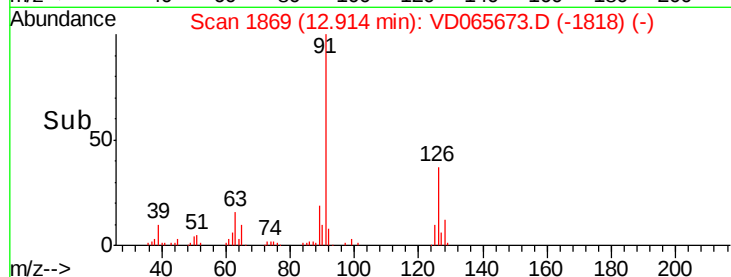
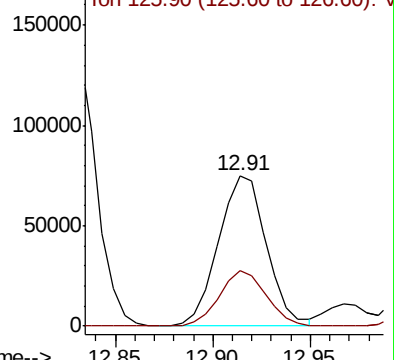
Ion Ratio Lower Upper

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

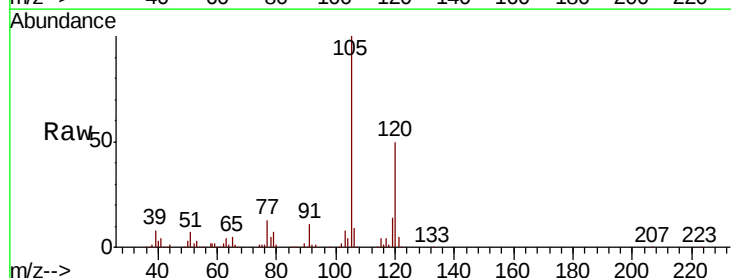
Acq: 24 Apr 2020 13:02

Tgt Ion:105 Resp: 158130

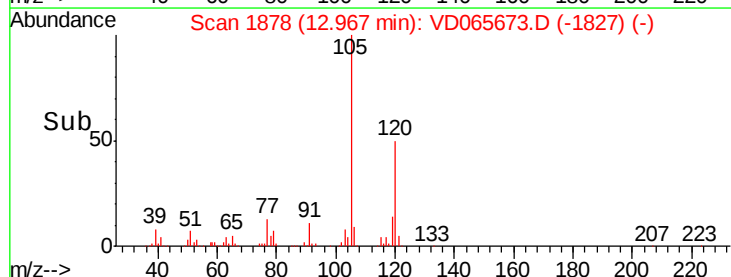
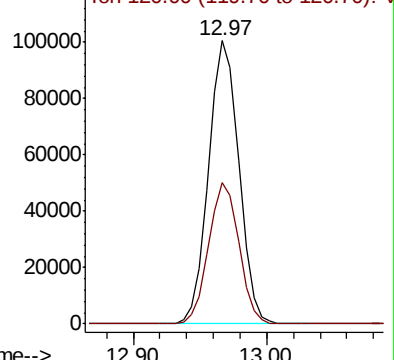
Ion Ratio Lower Upper

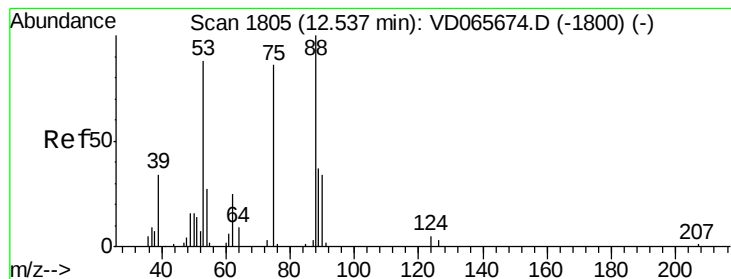
105 100

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

ClientSampleId :

VSTDIC020

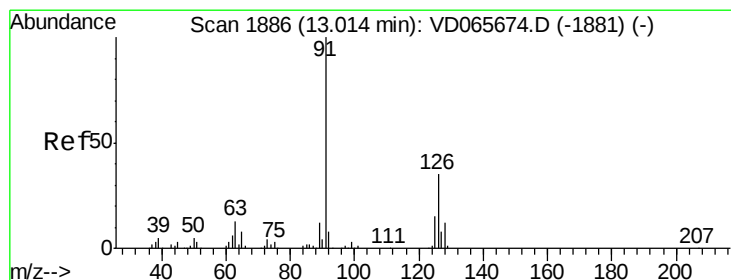
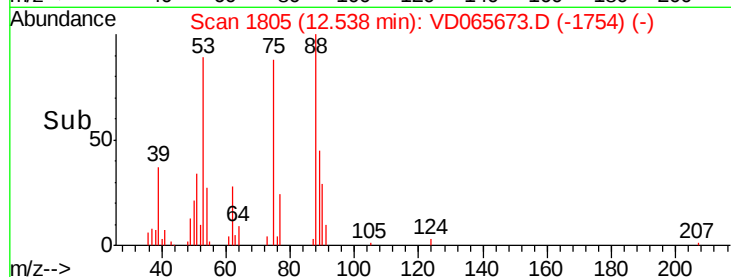
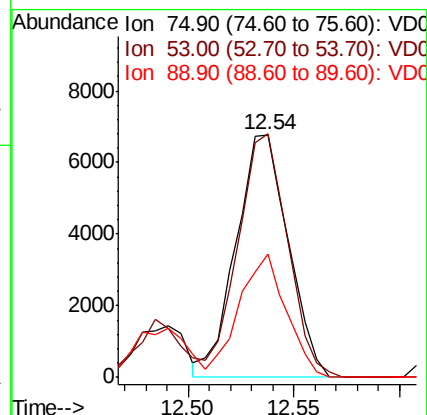
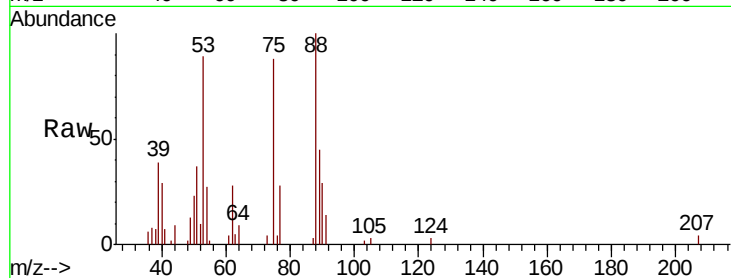
Tot Ion: 75 Resp: 11626

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

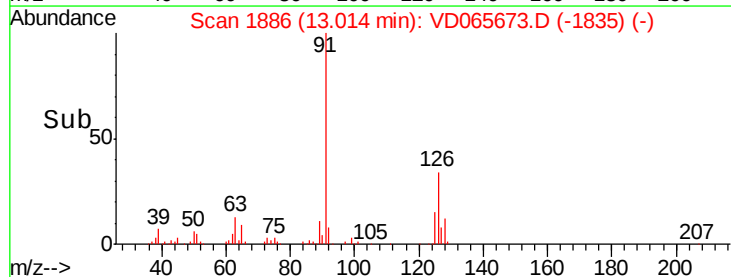
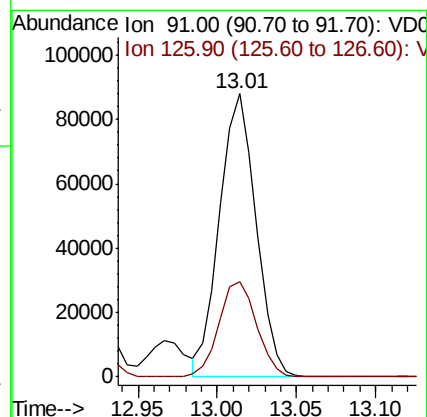
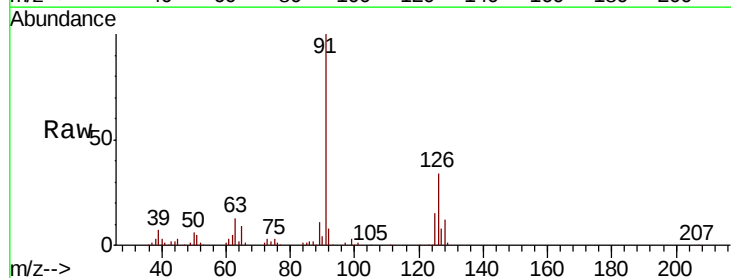
Acq: 24 Apr 2020 13:02

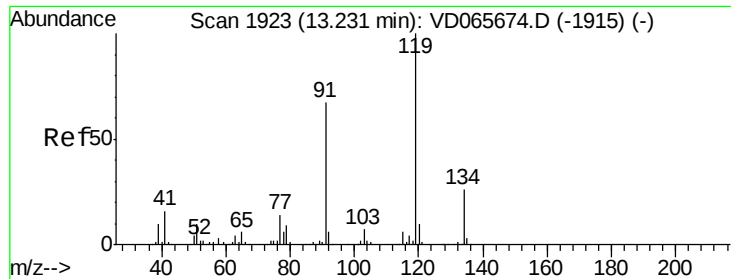
Tgt Ion: 91 Resp: 141068

Ion Ratio Lower Upper

91 100

126 34.7 16.8 50.4

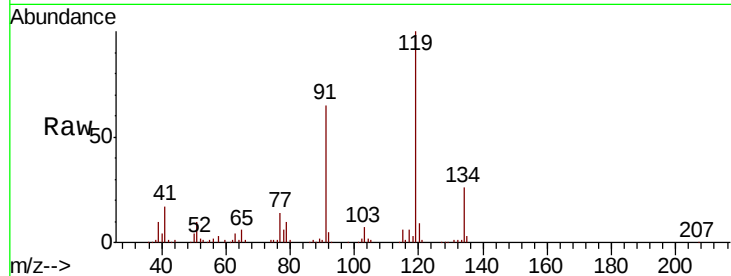




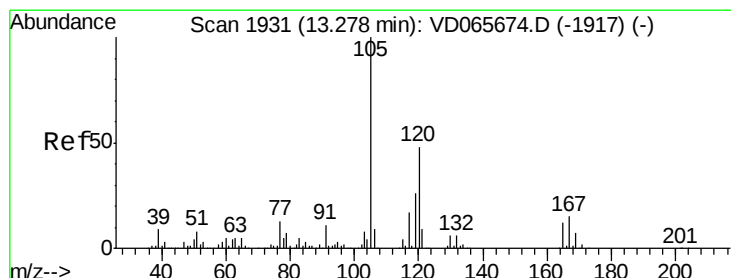
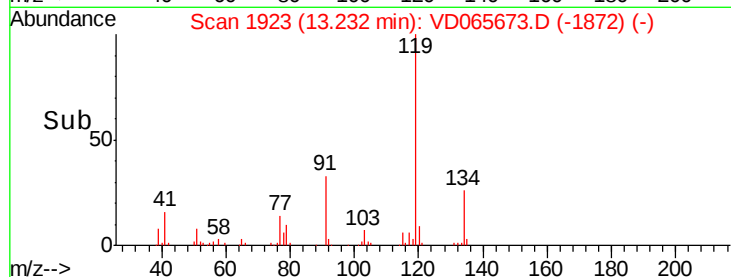
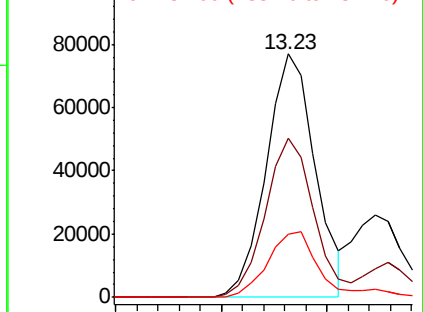
#83
tert-Butylbenzene
Concen: 21.073 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

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

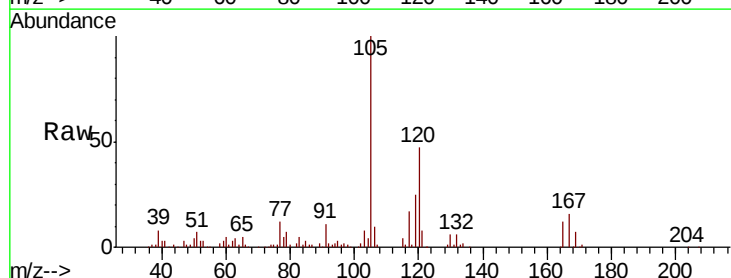


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

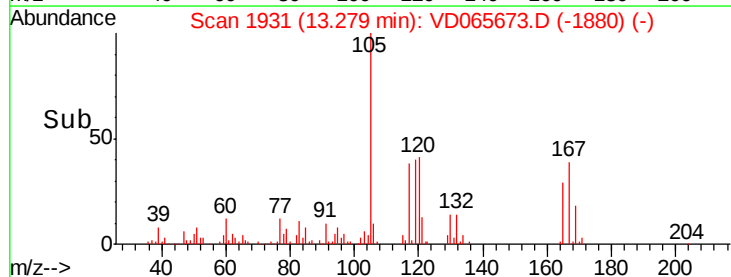
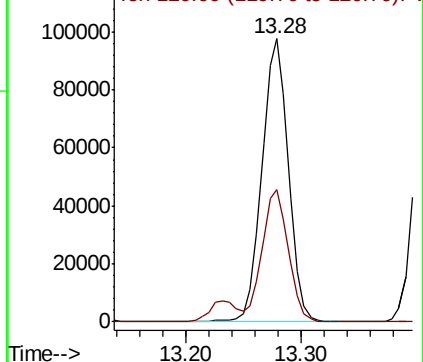


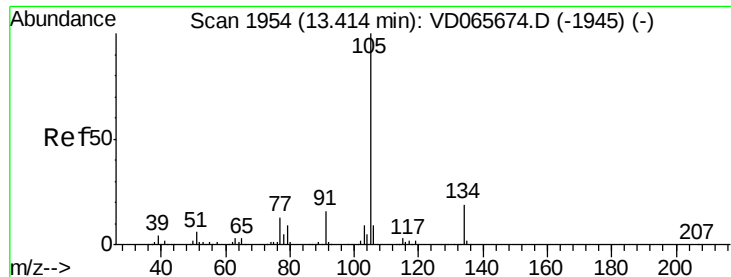
#84
1,2,4-Trimethylbenzene
Concen: 21.522 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065673.D
Acq: 24 Apr 2020 13:02

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

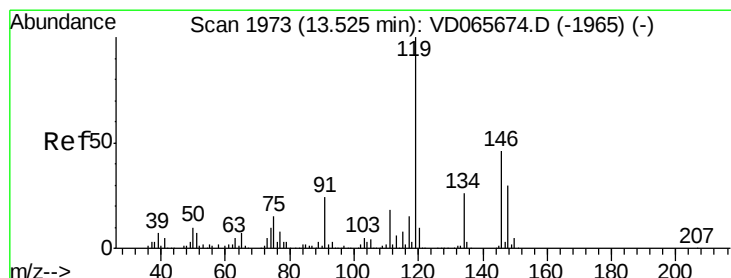
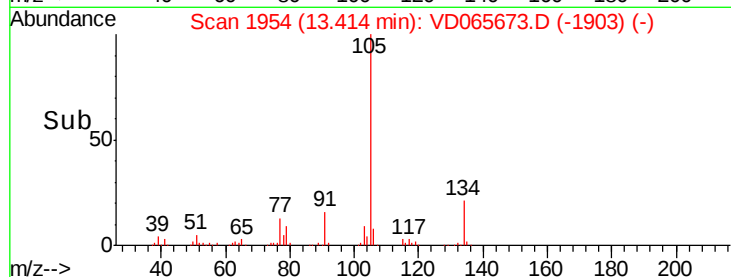
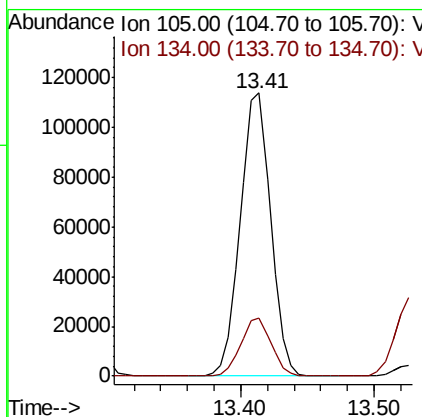
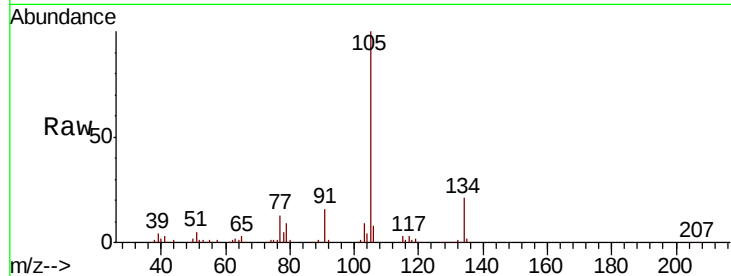




#85
 sec-Butylbenzene
 Concen: 20.637 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

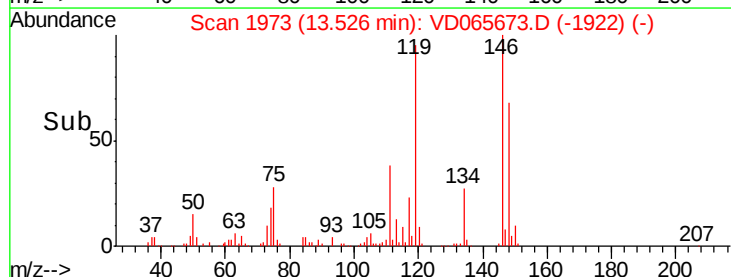
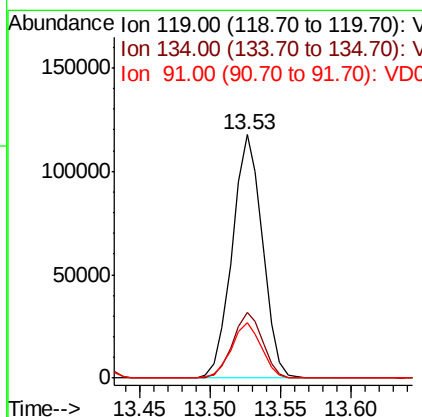
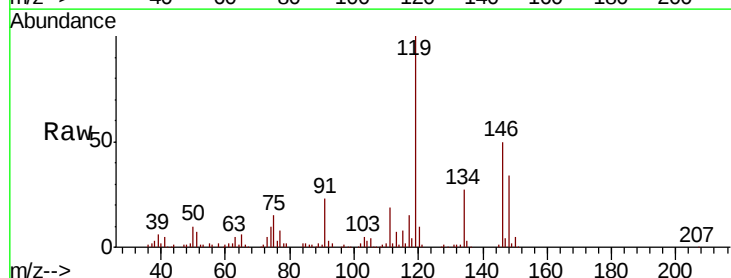
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

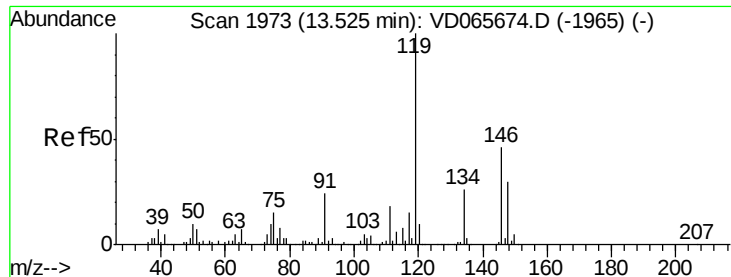
Tot Ion:105 Resp: 179035
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8



#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

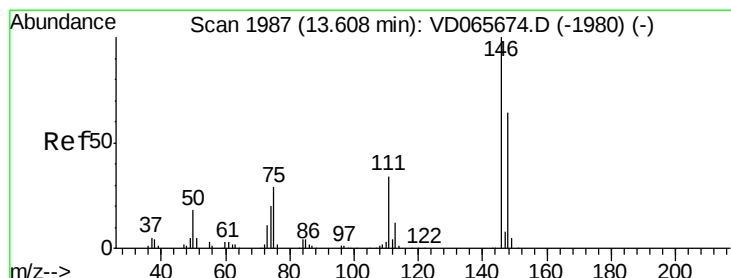
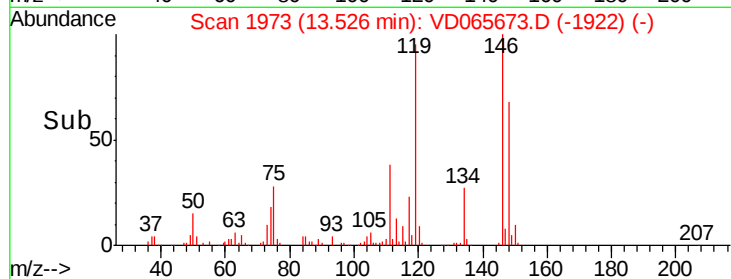
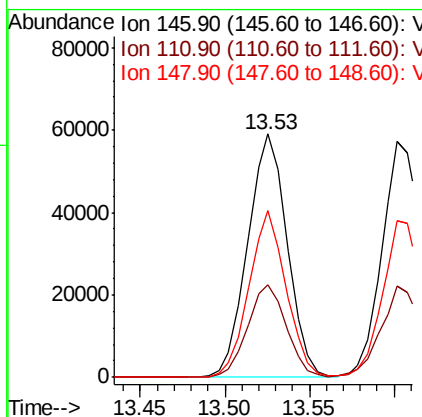
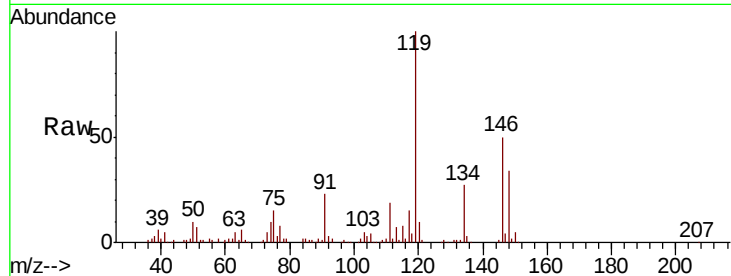




#87
 1,3-Dichlorobenzene
 Concen: 20.531 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

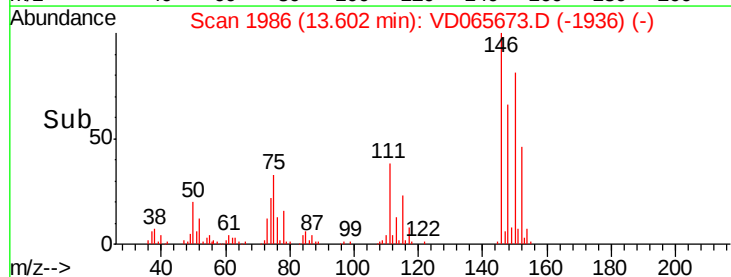
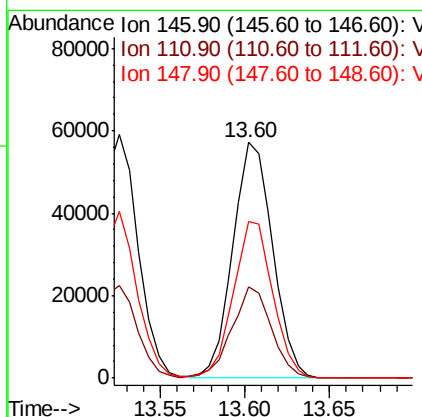
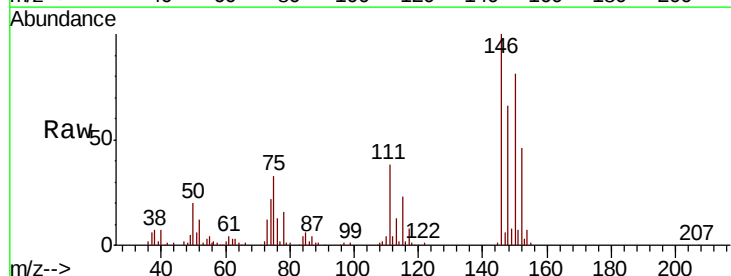
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

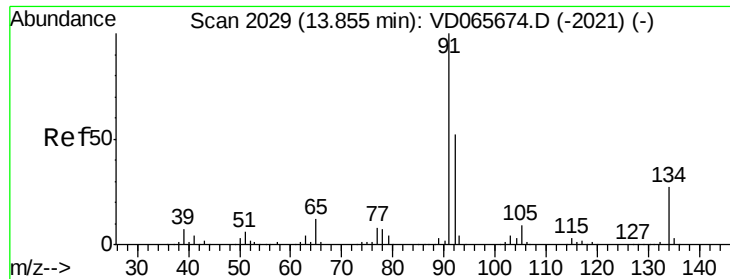
Tot Ion:146 Resp: 96072
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.3 57.9
 148 64.5 32.6 97.8



#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





#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

ClientSampleId :

VSTDIC020

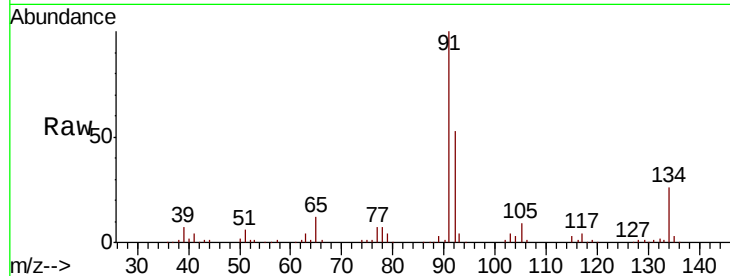
Tot Ion: 91 Resp: 155447

Ion Ratio Lower Upper

91 100

92 53.0 26.3 78.8

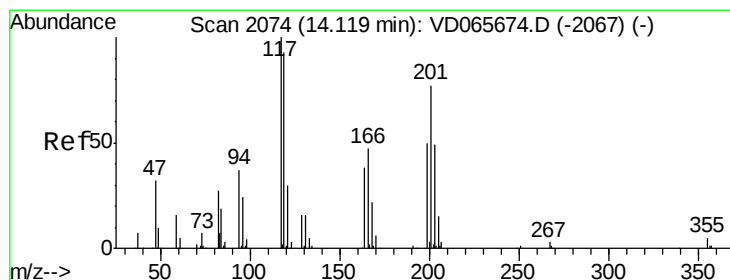
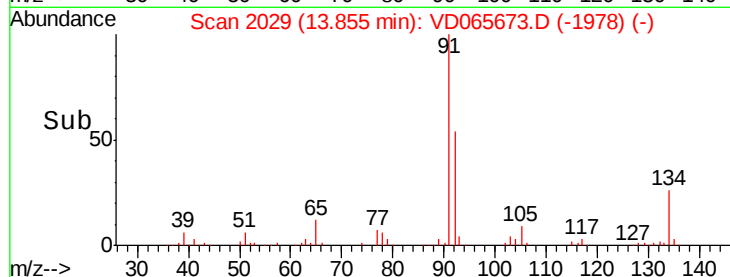
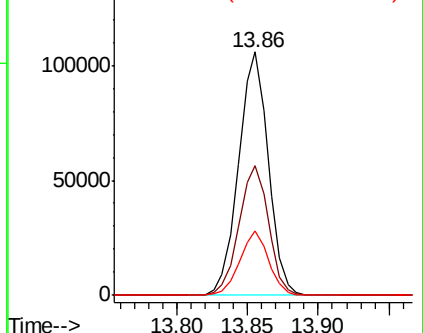
134 25.7 13.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 19.357 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065673.D

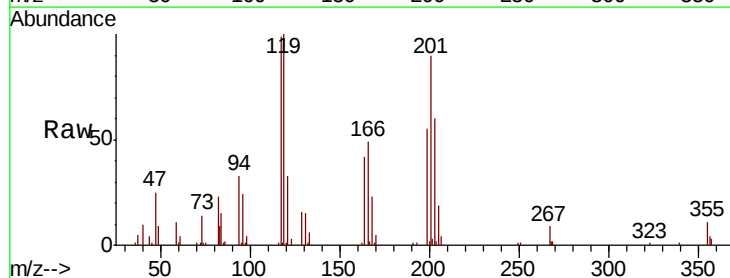
Acq: 24 Apr 2020 13:02

Tgt Ion: 117 Resp: 37076

Ion Ratio Lower Upper

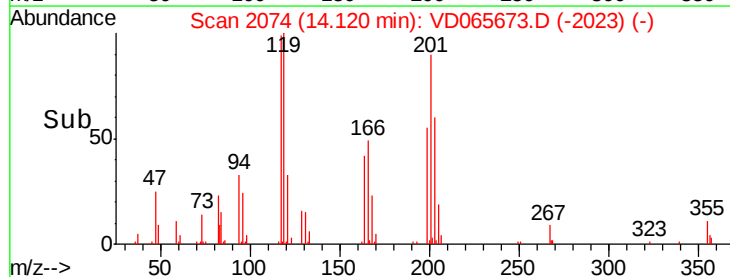
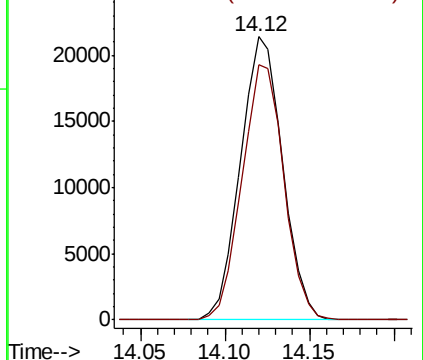
117 100

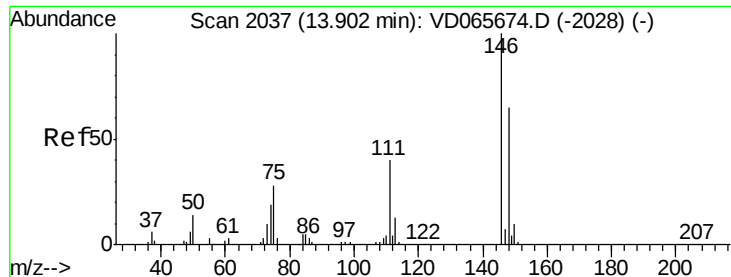
201 89.6 42.1 126.3



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC





#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 :

VSTDIC020

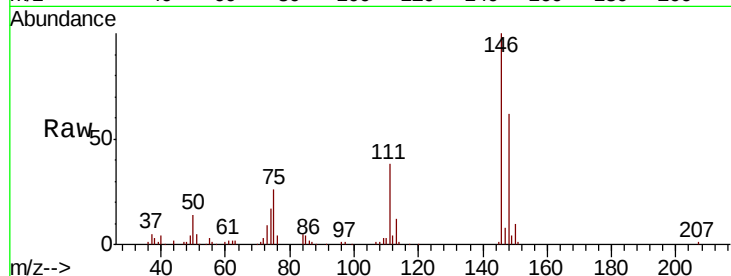
Tot Ion:146 Resp: 83481

Ion Ratio Lower Upper

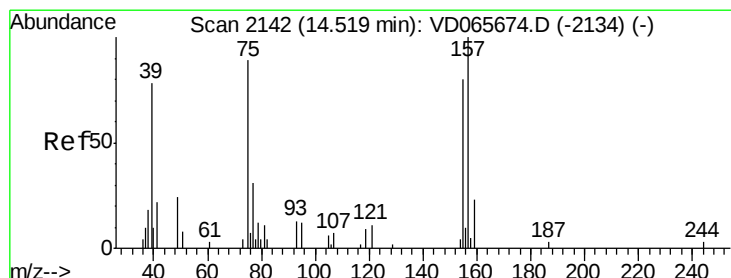
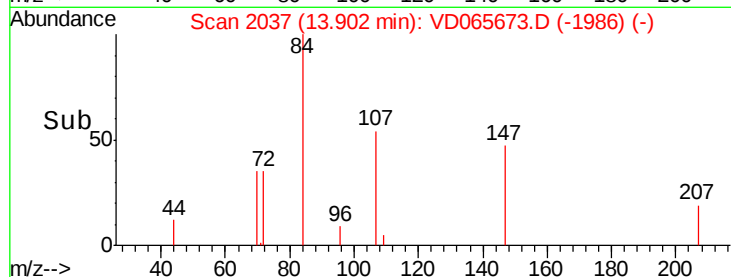
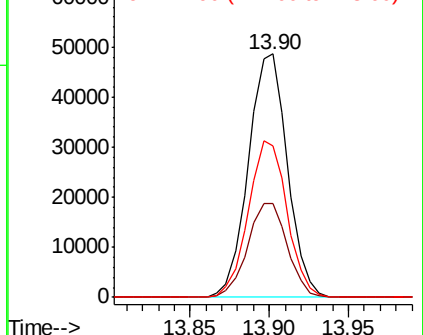
146 100

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

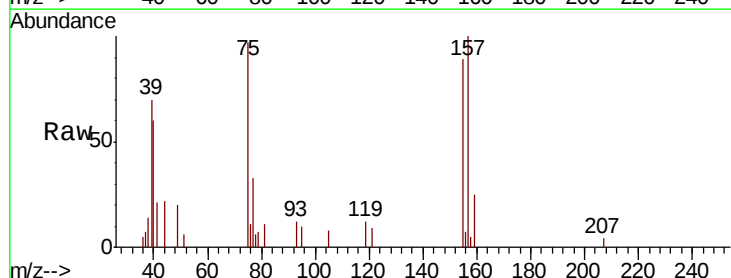
Tgt Ion: 75 Resp: 5252

Ion Ratio Lower Upper

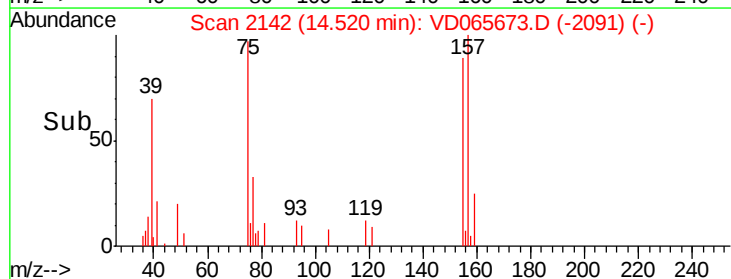
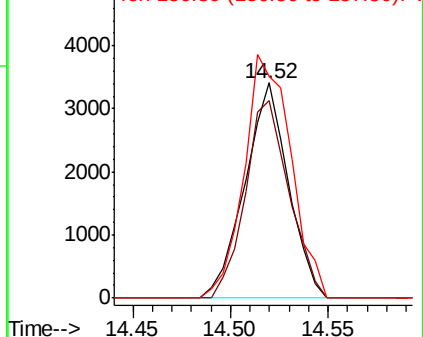
75 100

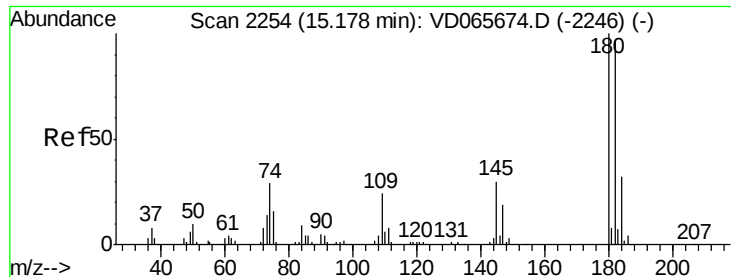
155 92.3 41.8 125.3

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

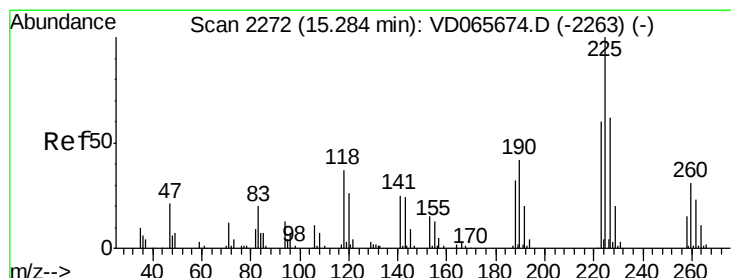
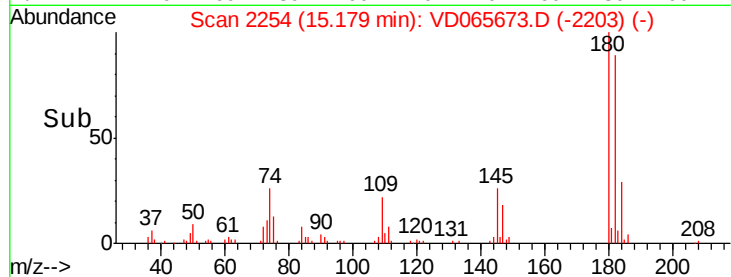
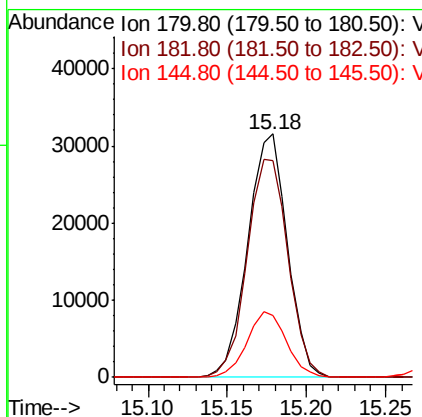
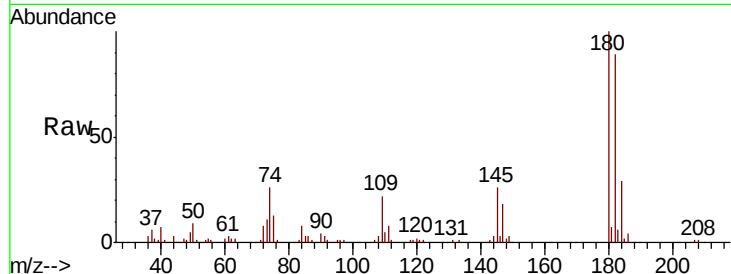




#93
 1,2,4-Trichlorobenzene
 Concen: 21.545 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065673.D
 Acq: 24 Apr 2020 13:02

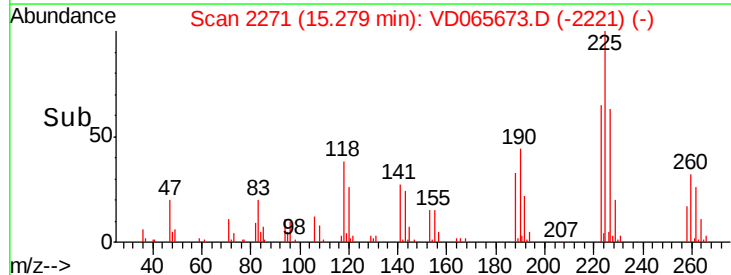
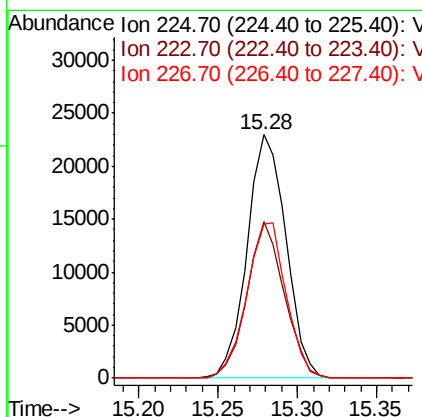
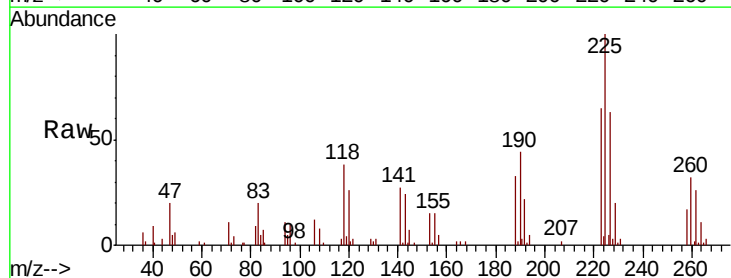
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

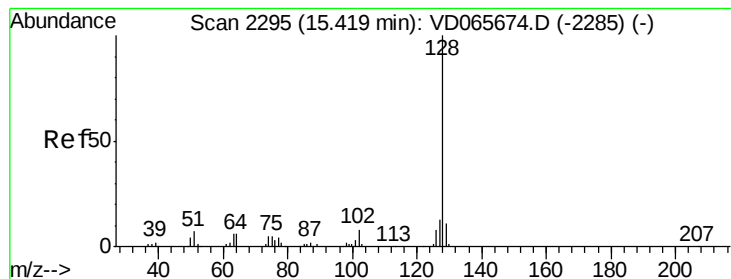
Tot Ion:180 Resp: 54728
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.1 141.3
 145 26.9 14.3 42.9



#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:225 Resp: 39212
 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

ClientSampleId :

VSTDIC020

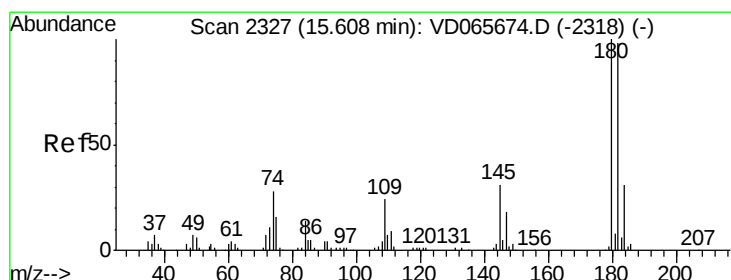
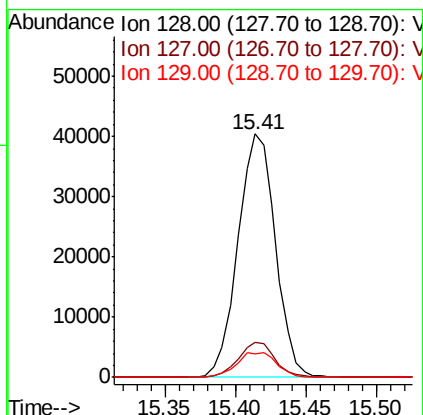
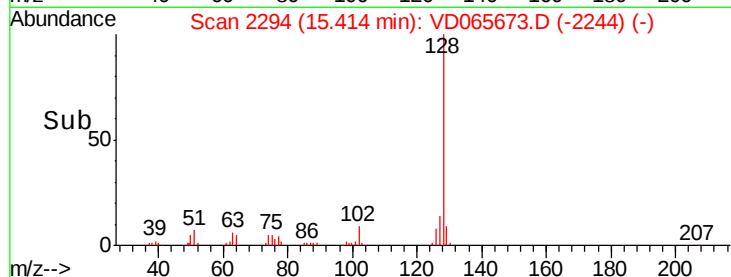
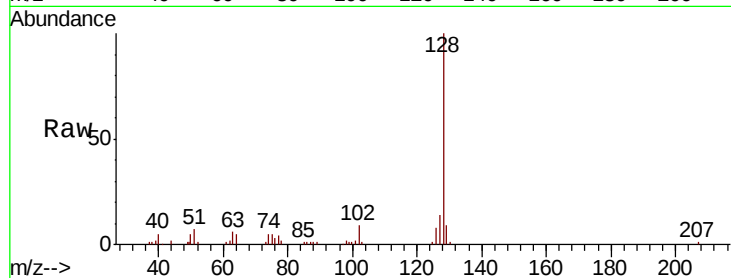
Tot Ion:128 Resp: 74950

Ion Ratio Lower Upper

128 100

127 14.0 11.4 17.0

129 10.8 8.7 13.1



#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

