

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066554.D
 Acq On : 04 Sep 2020 11:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 05 03:45:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	375579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	600696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	550396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250331	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	243324	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.91	113	226637	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
50) Toluene-d8	10.34	98	848593	58.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.18%	
62) 4-Bromofluorobenzene	12.63	95	276292	57.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	152332	49.041	ug/l	95
3) Chloromethane	2.21	50	208712	43.942	ug/l	96
4) Vinyl Chloride	2.35	62	238669	45.305	ug/l	99
5) Bromomethane	2.77	94	167397	50.289	ug/l	91
6) Chloroethane	2.92	64	152702	45.636	ug/l	99
7) Trichlorofluoromethane	3.27	101	365628	46.982	ug/l	94
8) Diethyl Ether	3.70	74	91089	46.481	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	196254	46.596	ug/l	98
10) Methyl Iodide	4.30	142	186358	48.628	ug/l	100
11) Tert butyl alcohol	5.21	59	65474	225.997	ug/l	100
12) 1,1-Dichloroethene	4.07	96	177065	46.793	ug/l	98
13) Acrolein	3.93	56	46765	251.691	ug/l	94
14) Allyl chloride	4.71	41	294118	47.427	ug/l	99
15) Acrylonitrile	5.43	53	200943	238.696	ug/l	99
16) Acetone	4.15	43	239433	286.365	ug/l	94
17) Carbon Disulfide	4.41	76	582907	46.859	ug/l	100
18) Methyl Acetate	4.72	43	90075	45.193	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	425297	47.928	ug/l	97
20) Methylene Chloride	4.97	84	216386	47.105	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	211989	47.177	ug/l	97
22) Diisopropyl ether	6.36	45	626285	49.109	ug/l	96
23) Vinyl Acetate	6.30	43	1825380	251.524	ug/l	97
24) 1,1-Dichloroethane	6.26	63	379056	47.266	ug/l	98
25) 2-Butanone	7.21	43	275212	245.203	ug/l	98
26) 2,2-Dichloropropane	7.21	77	349028	47.446	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	231042	47.813	ug/l	99
28) Bromochloromethane	7.54	49	158039	51.186	ug/l	100
29) Tetrahydrofuran	7.56	42	163736	234.239	ug/l	99
30) Chloroform	7.71	83	395161	46.575	ug/l	99
31) Cyclohexane	7.98	56	341109	46.013	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	375191	47.035	ug/l	99
36) 1,1-Dichloropropene	8.11	75	310577	49.681	ug/l	99
37) Ethyl Acetate	7.28	43	119080	47.837	ug/l #	95
38) Carbon Tetrachloride	8.09	117	331960	50.238	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	360276	51.611	ug/l	98
40) Benzene	8.34	78	826966	48.300	ug/l	98
41) Methacrylonitrile	7.56	41	167032	138.620	ug/l #	19
42) 1,2-Dichloroethane	8.42	62	260723	46.999	ug/l	99
43) Isopropyl Acetate	8.44	43	233643	48.977	ug/l	99
44) Trichloroethene	9.11	130	221354	49.288	ug/l	90
45) 1,2-Dichloropropane	9.38	63	205200	47.658	ug/l	97
46) Dibromomethane	9.47	93	115367	48.566	ug/l	97
47) Bromodichloromethane	9.66	83	307597	47.861	ug/l	98
48) Methyl methacrylate	9.45	41	113467	47.039	ug/l	95
49) 1,4-Dioxane	9.46	88	24996	959.135	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	605182	251.544	ug/l	98
52) Toluene	10.40	92	545303	50.315	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	285577	50.335	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	333995	49.021	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	148105	48.491	ug/l	97
56) Ethyl methacrylate	10.66	69	182256	51.250	ug/l	99
57) 1,3-Dichloropropane	10.94	76	256787	47.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	407978	250.816	ug/l	97
59) 2-Hexanone	10.98	43	423175	261.558	ug/l	100
60) Dibromochloromethane	11.14	129	194712	48.210	ug/l	98
61) 1,2-Dibromoethane	11.24	107	139724	47.022	ug/l	99
64) Tetrachloroethene	10.87	164	177475	47.891	ug/l	91
65) Chlorobenzene	11.67	112	542786	47.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	204838	47.247	ug/l	99
67) Ethyl Benzene	11.74	91	1028042	49.286	ug/l	100
68) m/p-Xylenes	11.85	106	779644	100.665	ug/l	99
69) o-Xylene	12.18	106	344864	49.686	ug/l	97
70) Styrene	12.20	104	604990	50.136	ug/l	97
71) Bromoform	12.36	173	100229	45.873	ug/l #	94
73) Isopropylbenzene	12.48	105	979368	52.841	ug/l	99
74) N-amyl acetate	12.29	43	209496	49.906	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	157618	48.137	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	219320	91.098	ug/l #	100
77) Bromobenzene	12.76	156	211552	51.197	ug/l	98
78) n-propylbenzene	12.82	91	1192120	53.058	ug/l	100
79) 2-Chlorotoluene	12.91	91	650999	51.648	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	813659	52.159	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	51216	49.666	ug/l	97
82) 4-Chlorotoluene	13.01	91	689080	51.123	ug/l	100
83) tert-Butylbenzene	13.23	119	672967	52.828	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	822672	52.969	ug/l	98
85) sec-Butylbenzene	13.40	105	986566	53.754	ug/l	99
86) p-Isopropyltoluene	13.52	119	876295	53.047	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	406572	49.562	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	404339	49.109	ug/l	99
89) n-Butylbenzene	13.85	91	860231	53.438	ug/l	100
90) Hexachloroethane	14.11	117	174662	49.071	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	345314	48.160	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26316	47.312	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

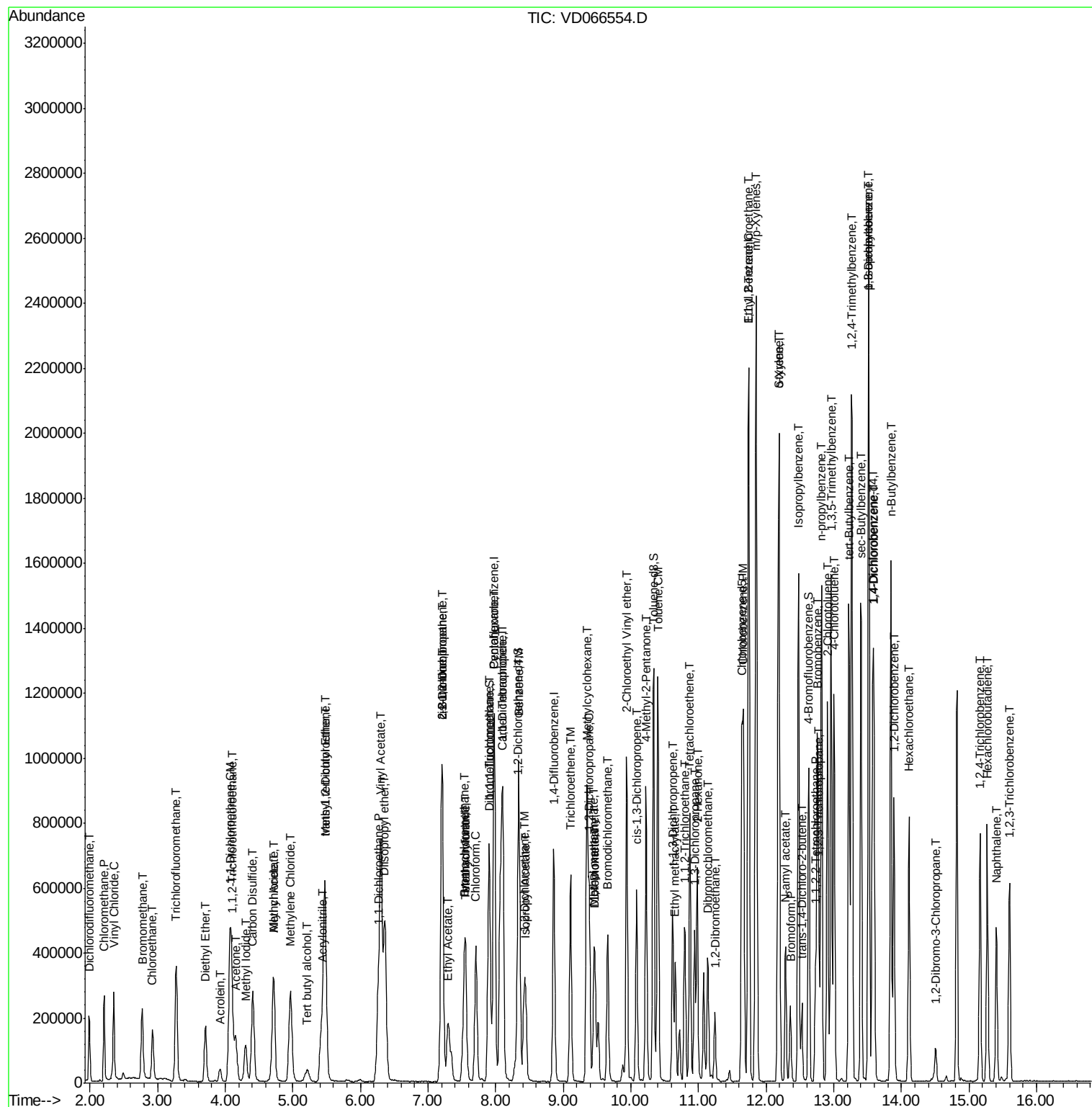
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	224580	52.189	ug/l	98
94) Hexachlorobutadiene	15.27	225	128940	49.876	ug/l	97
95) Naphthalene	15.41	128	401223	53.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	191926	52.314	ug/l	99

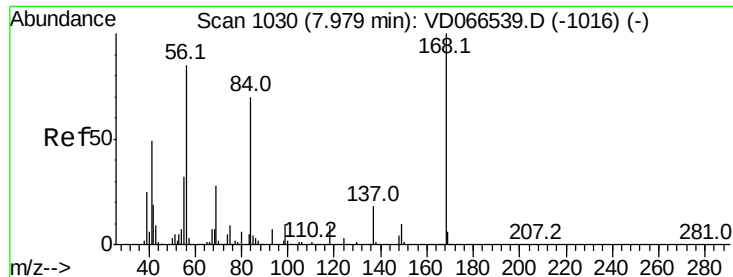
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

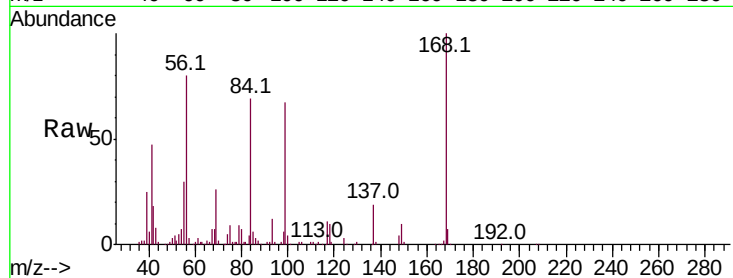
VSTDCCC050

Tot Ion:168 Resp: 375579

Ion Ratio Lower Upper

168 100

99 66.5 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

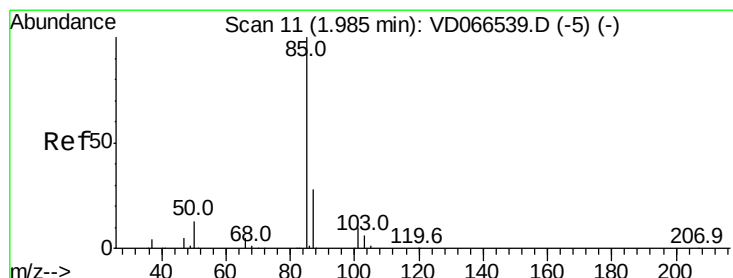
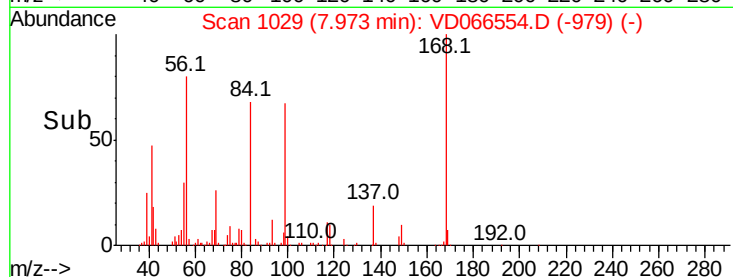
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.041 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066554.D

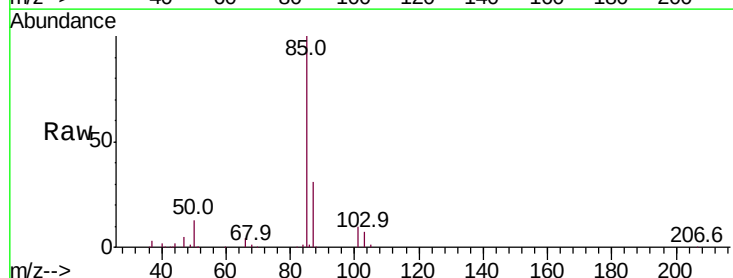
Acq: 04 Sep 2020 11:01

Tgt Ion: 85 Resp: 152332

Ion Ratio Lower Upper

85 100

87 31.1 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

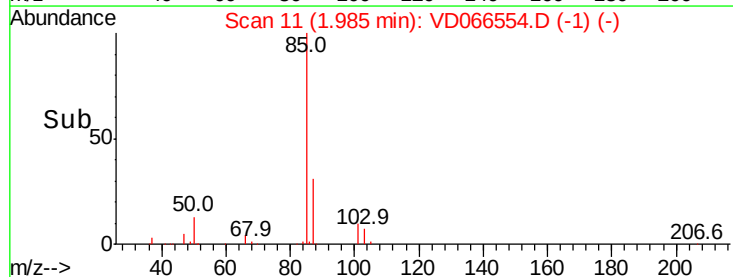
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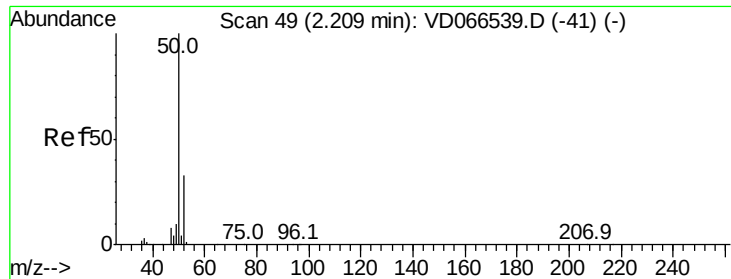
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 43.942 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

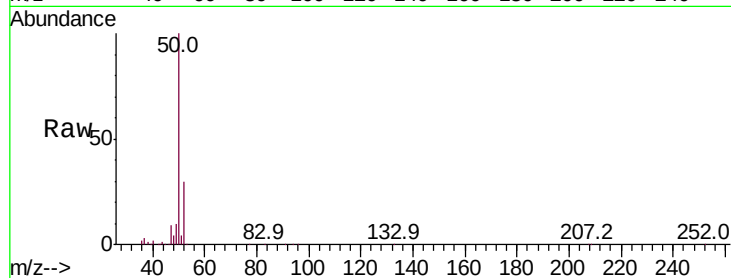
VSTDCCC050

Tot Ion: 50 Resp: 208712

Ion Ratio Lower Upper

50 100

52 30.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

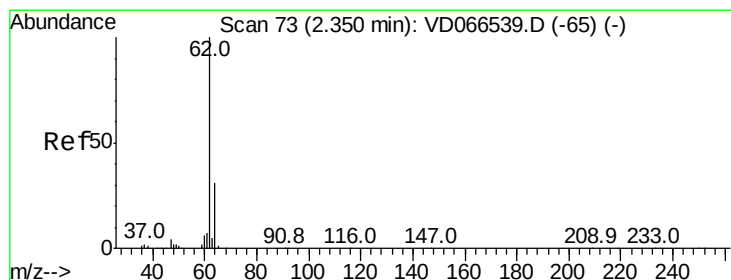
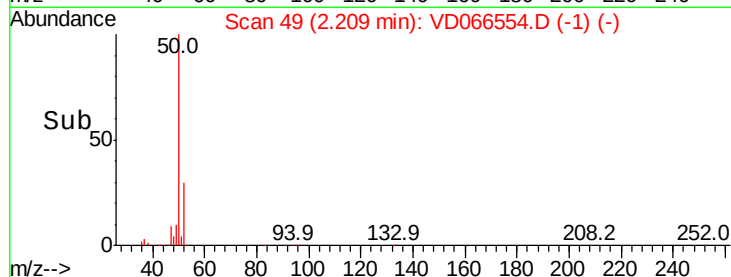
150000

100000

50000

0

Time--> 2.10 2.20 2.30



#4

Vinyl Chloride

Concen: 45.305 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066554.D

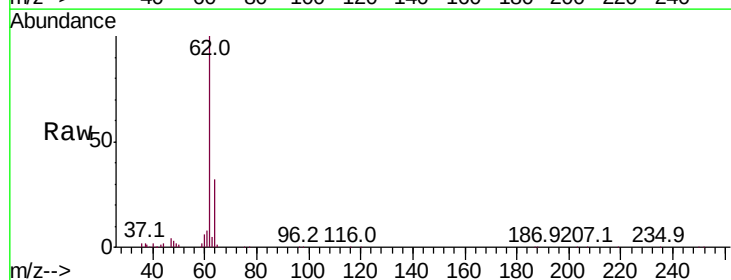
Acq: 04 Sep 2020 11:01

Tgt Ion: 62 Resp: 238669

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

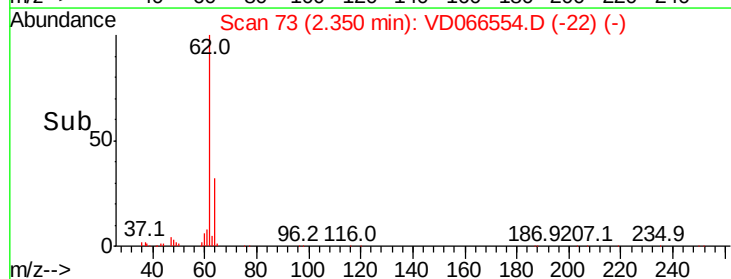
150000

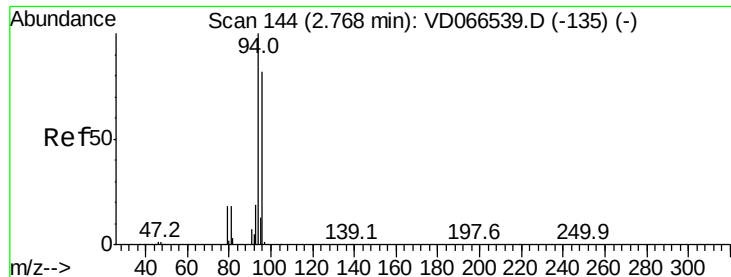
100000

50000

0

Time--> 2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 50.289 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

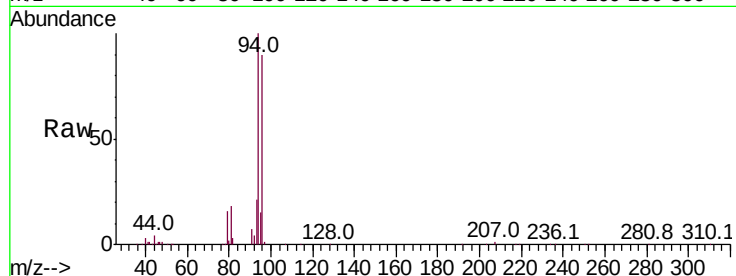
VSTDCCC050

Tot Ion: 94 Resp: 167397

Ion Ratio Lower Upper

94 100

96 89.6 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

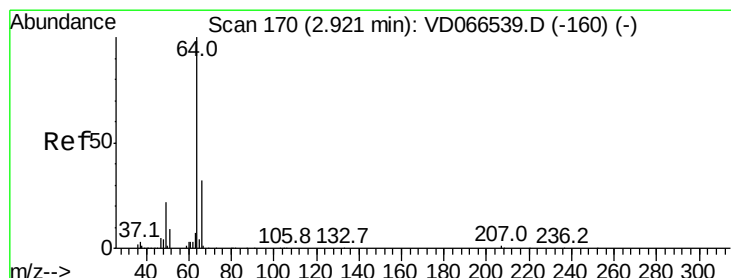
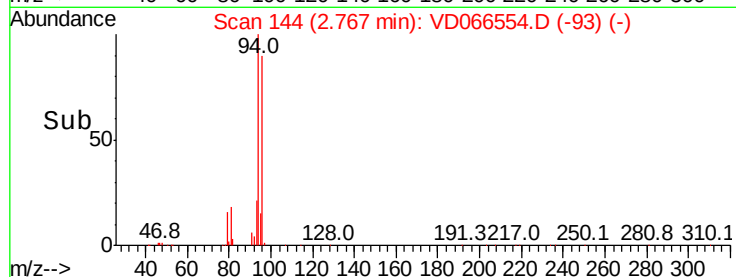
40000

20000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 45.636 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066554.D

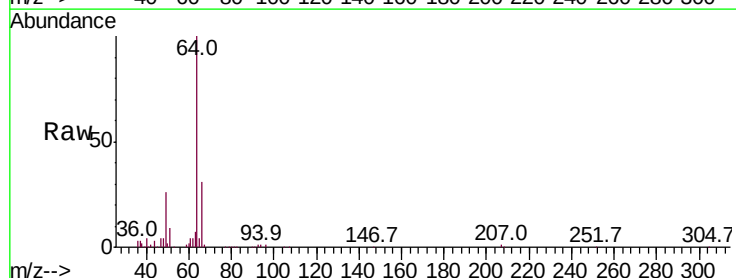
Acq: 04 Sep 2020 11:01

Tgt Ion: 64 Resp: 152702

Ion Ratio Lower Upper

64 100

66 31.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

80000

60000

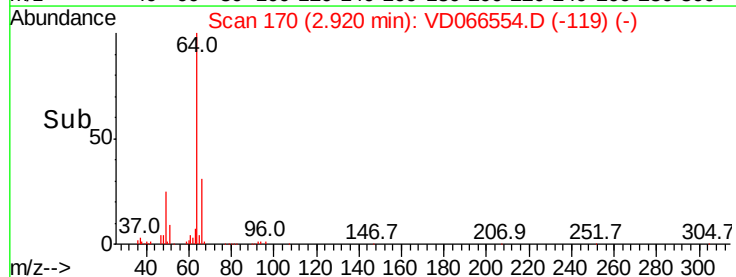
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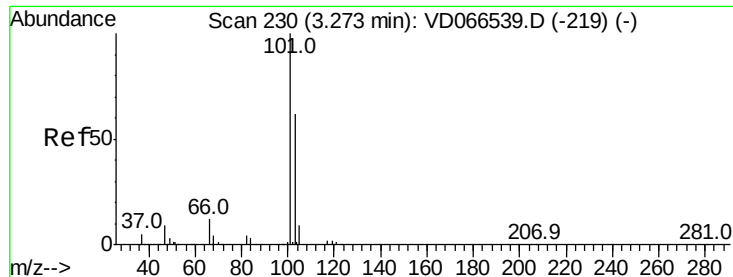
20000

0

2.80 2.90 3.00

Time-->



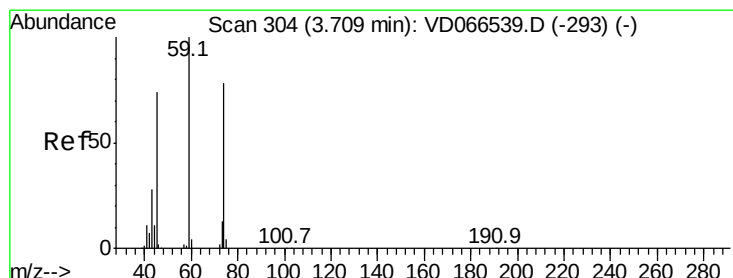
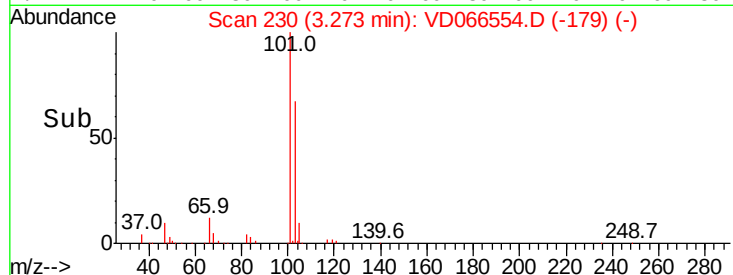
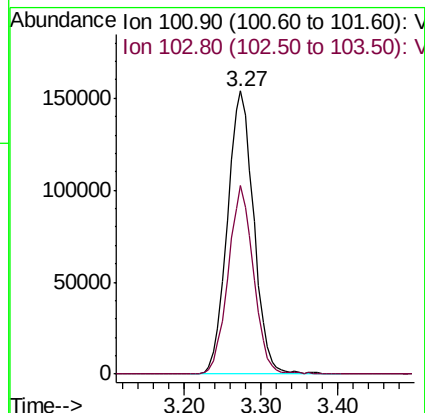
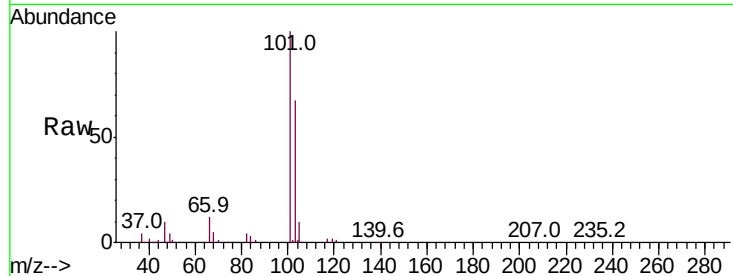


#7

Trichlorofluoromethane
 Concen: 46.982 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

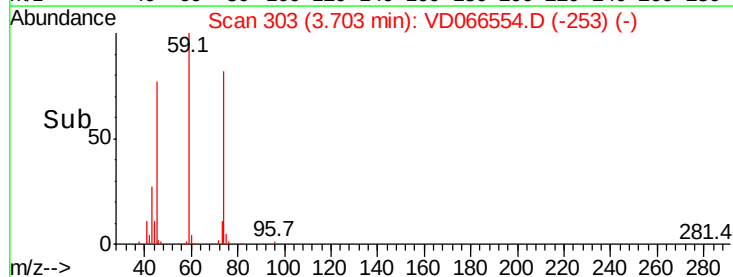
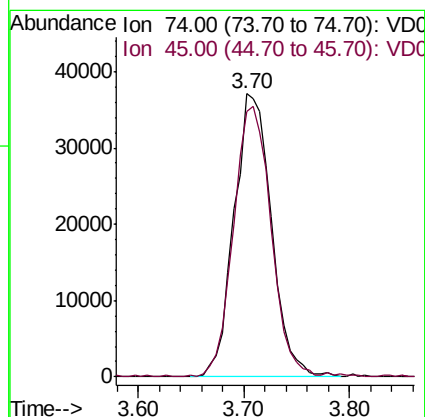
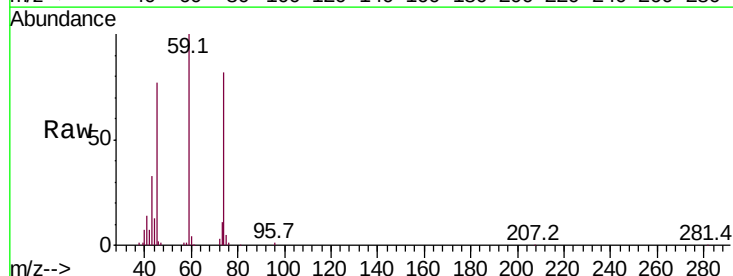
Tot Ion:101 Resp: 365628
 Ion Ratio Lower Upper
 101 100
 103 66.9 49.7 74.5

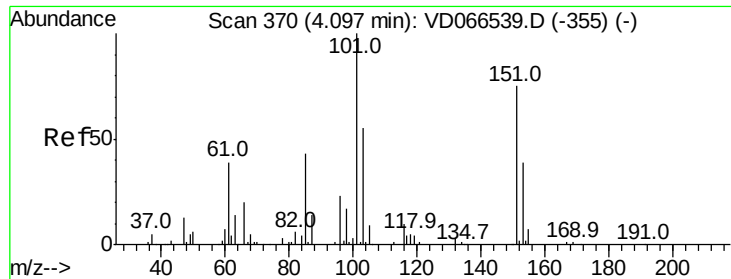


#8

Diethyl Ether
 Concen: 46.481 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion: 74 Resp: 91089
 Ion Ratio Lower Upper
 74 100
 45 95.8 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.596 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

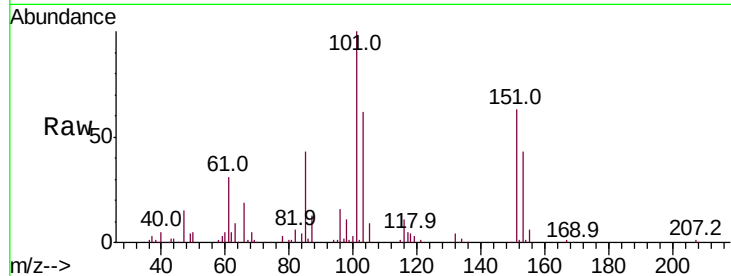
Tot Ion:101 Resp: 196254

Ion Ratio Lower Upper

101 100

85 46.2 37.0 55.6

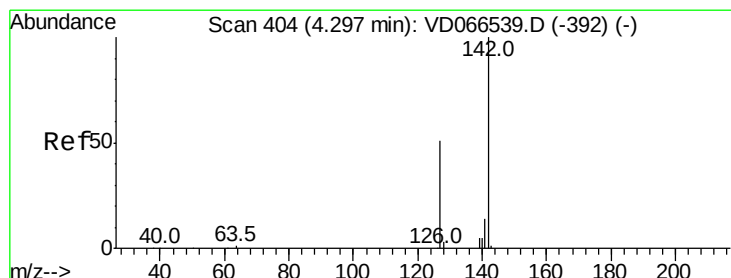
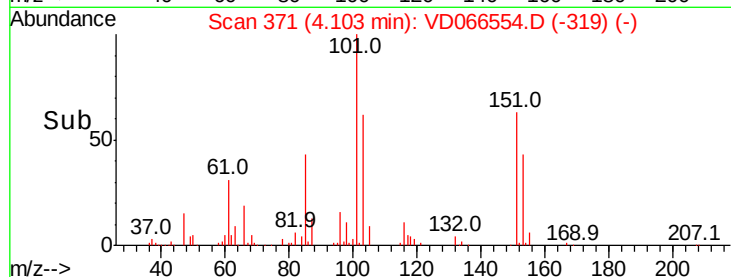
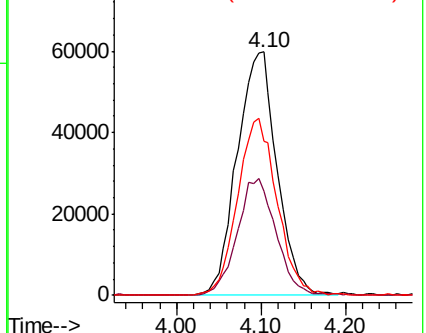
151 71.6 59.4 89.2



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: 48.628 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

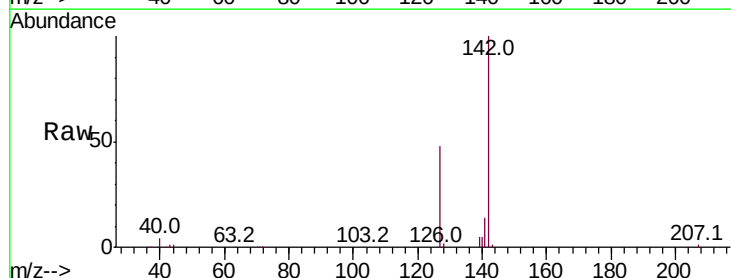
Tgt Ion:142 Resp: 186358

Ion Ratio Lower Upper

142 100

127 50.7 40.6 61.0

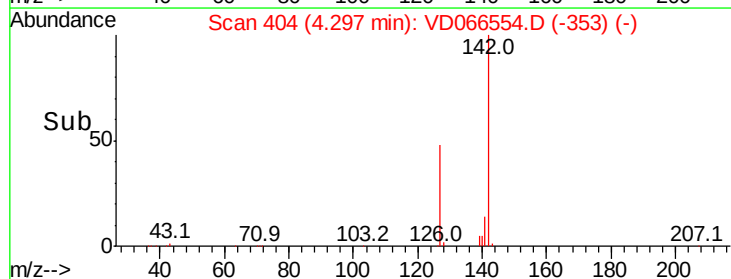
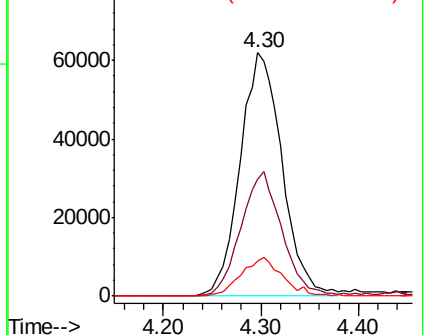
141 15.6 12.2 18.4

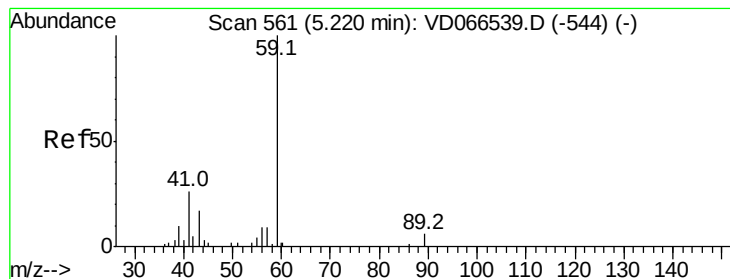


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



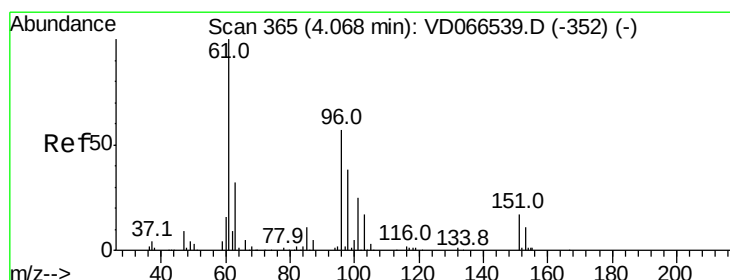
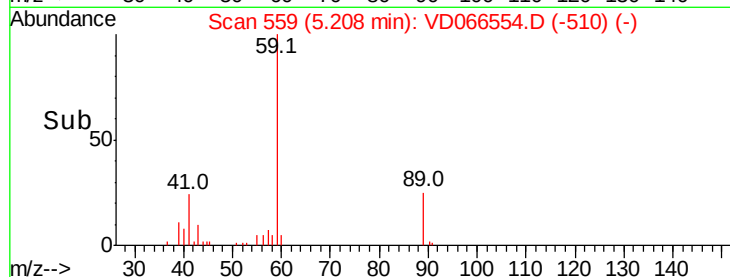
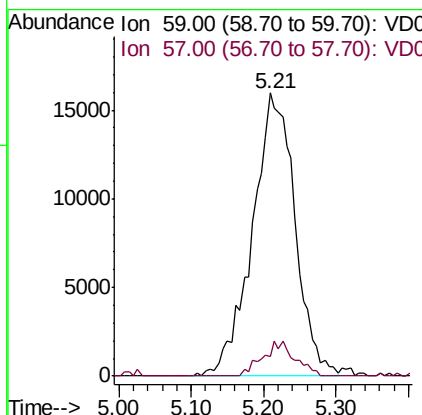
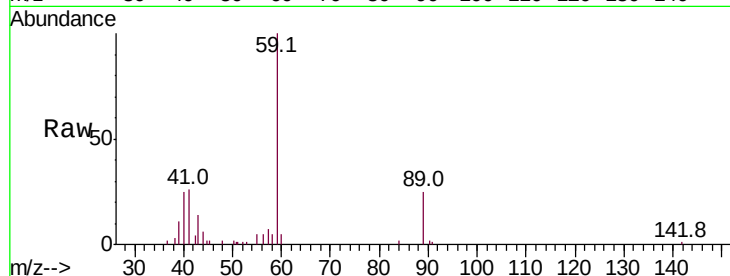


#11

Tert butyl alcohol
 Concen: 225.997 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

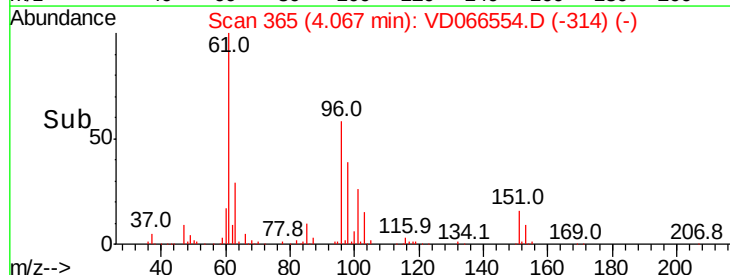
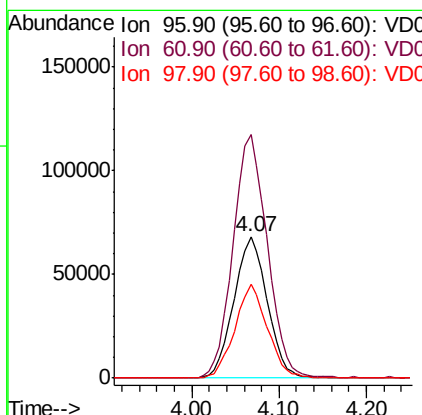
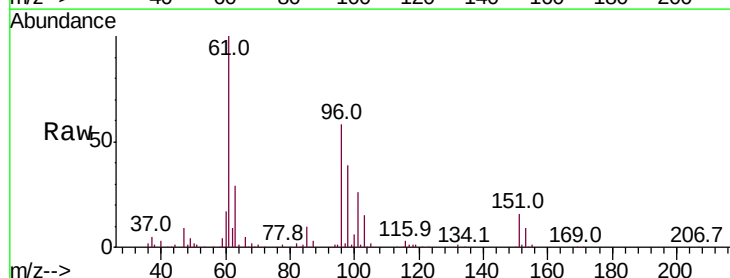
Tot Ion: 59 Resp: 65474
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.6 11.4

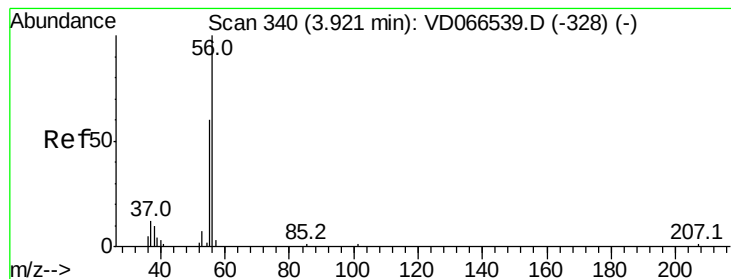


#12

1,1-Dichloroethene
 Concen: 46.793 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion: 96 Resp: 177065
 Ion Ratio Lower Upper
 96 100
 61 172.0 140.9 211.3
 98 66.7 53.2 79.8





#13

Acrolein

Concen: 251.691 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

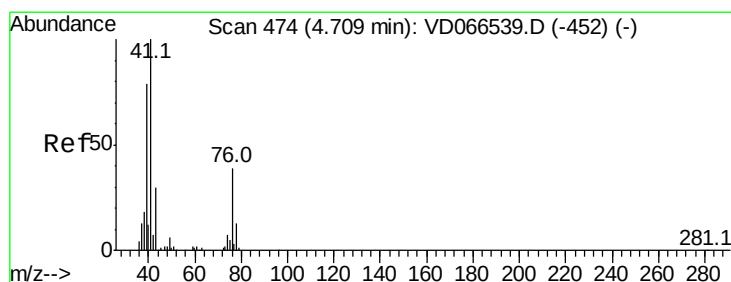
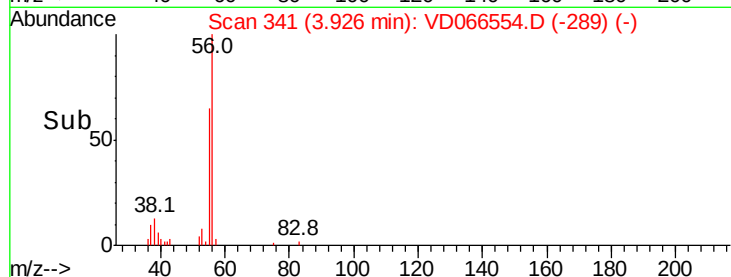
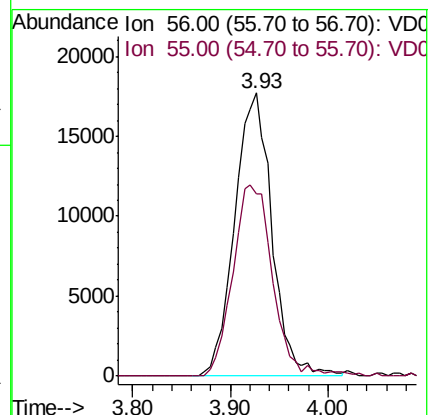
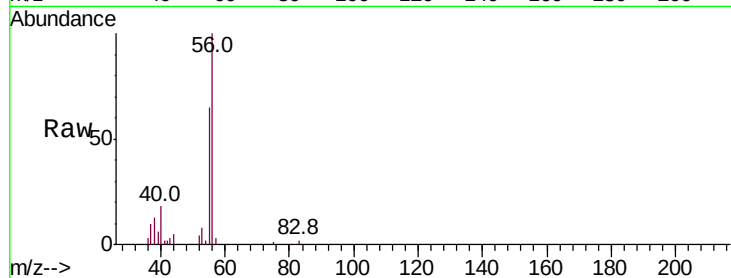
VSTDCCC050

Tot Ion: 56 Resp: 46765

Ion Ratio Lower Upper

56 100

55 71.4 53.6 80.4



#14

Allyl chloride

Concen: 47.427 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

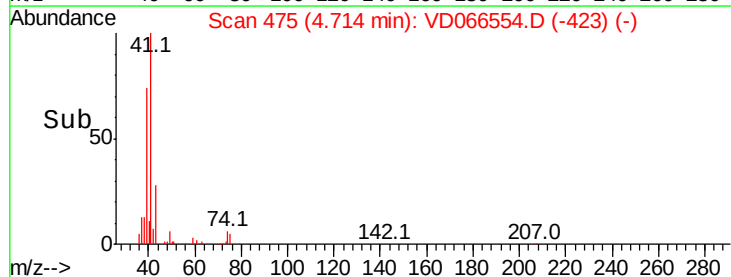
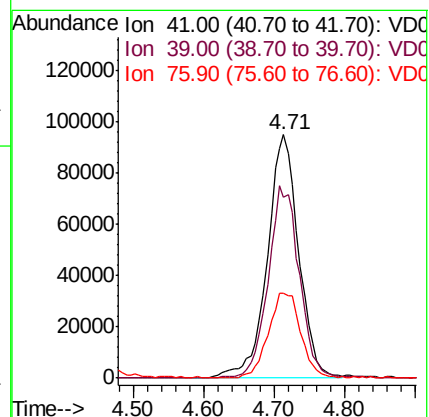
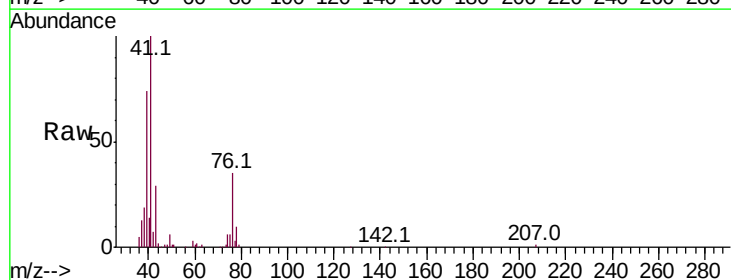
Tgt Ion: 41 Resp: 294118

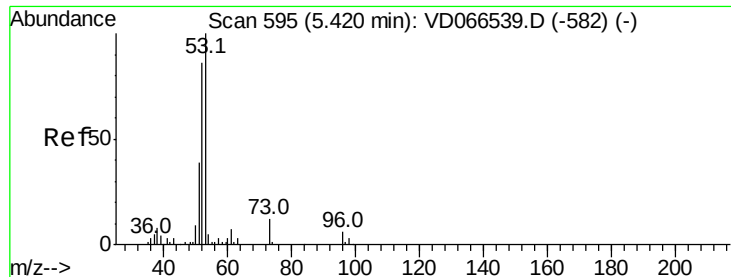
Ion Ratio Lower Upper

41 100

39 78.1 61.9 92.9

76 36.2 29.0 43.6





#15

Acrylonitrile

Concen: 238.696 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

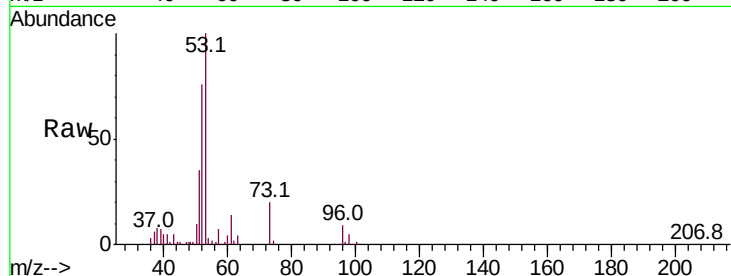
Tot Ion: 53 Resp: 200943

Ion Ratio Lower Upper

53 100

52 81.2 65.4 98.2

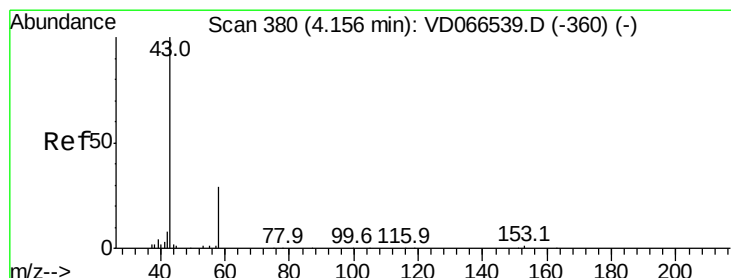
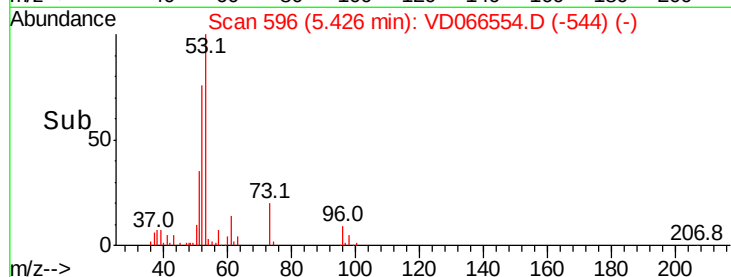
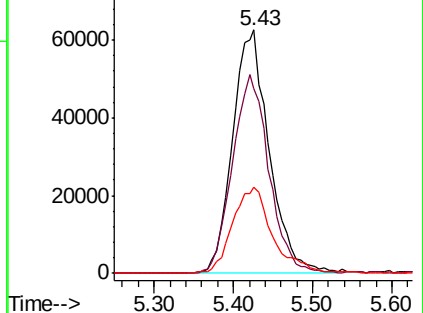
51 38.3 31.2 46.8



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: 286.365 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066554.D

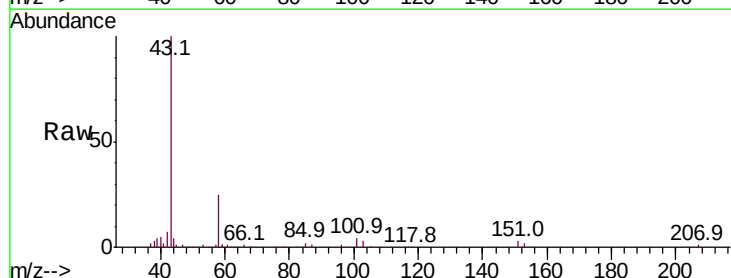
Acq: 04 Sep 2020 11:01

Tgt Ion: 43 Resp: 239433

Ion Ratio Lower Upper

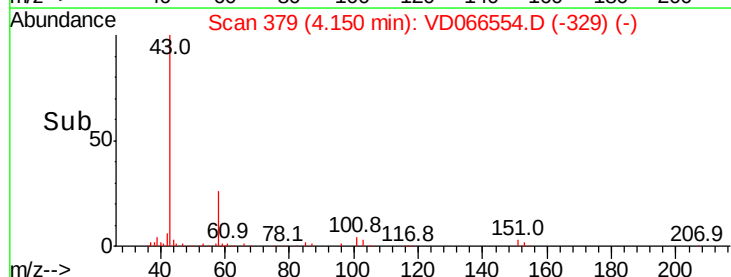
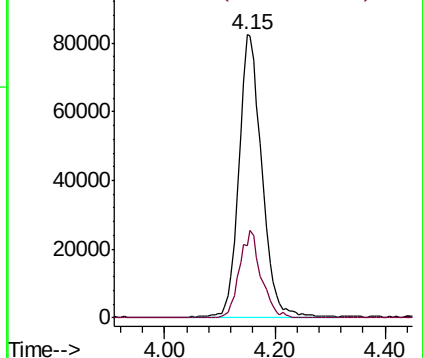
43 100

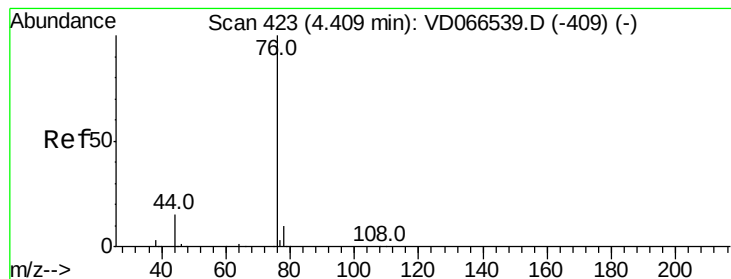
58 25.5 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 46.859 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

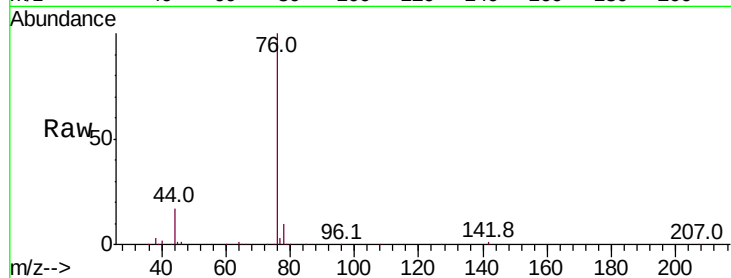
VSTDCCC050

Tot Ion: 76 Resp: 582907

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

200000

150000

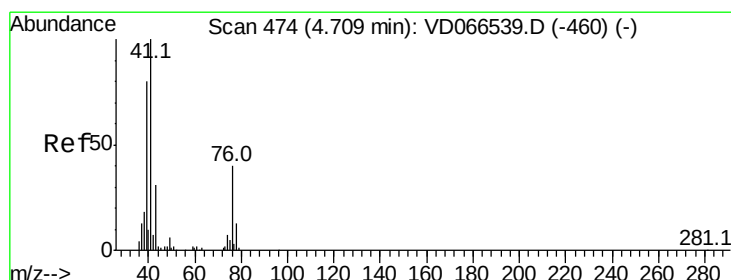
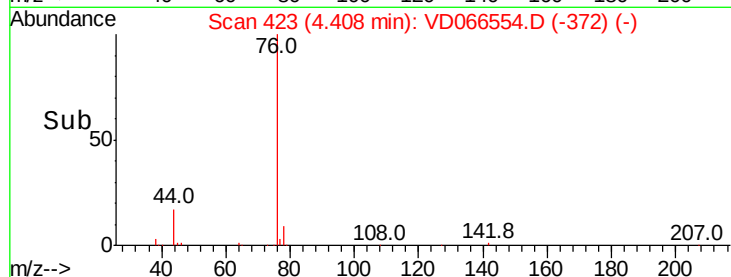
100000

50000

0

Time-->

4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 45.193 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066554.D

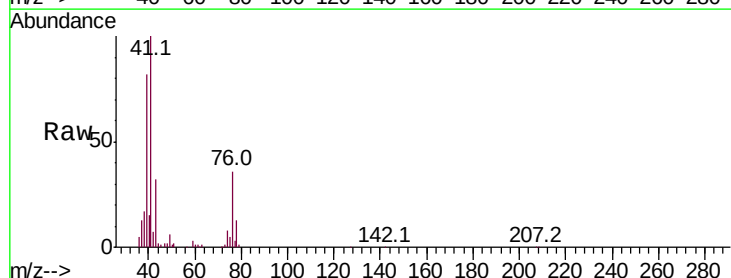
Acq: 04 Sep 2020 11:01

Tgt Ion: 43 Resp: 90075

Ion Ratio Lower Upper

43 100

74 23.5 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

30000

25000

20000

15000

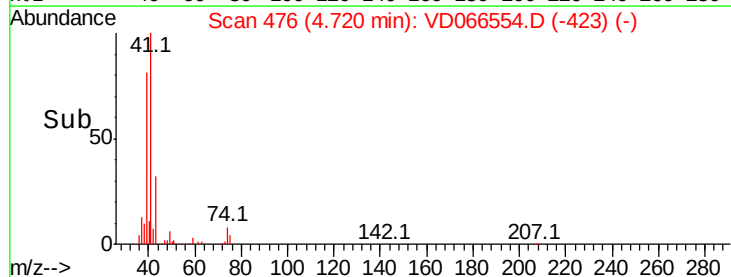
10000

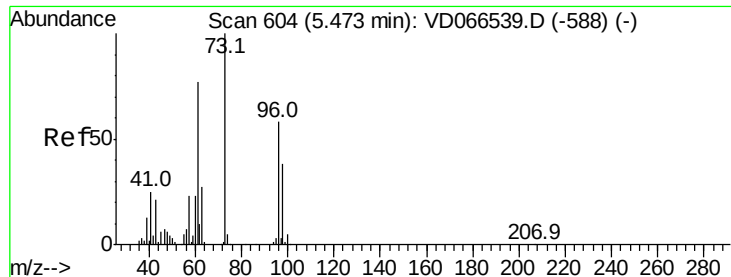
5000

0

Time-->

4.60 4.70 4.80

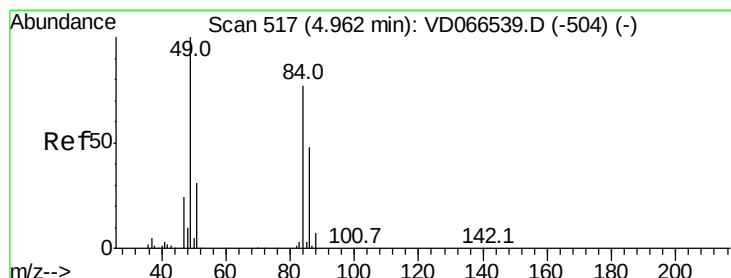
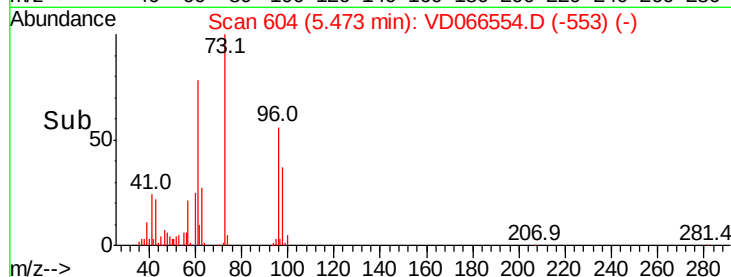
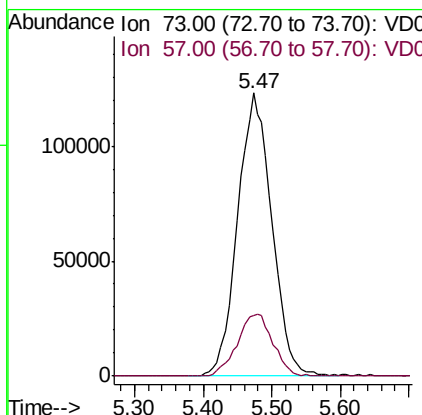
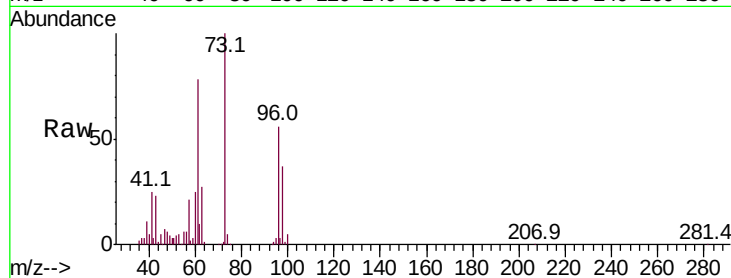




#19
Methyl tert-butyl Ether
Concen: 47.928 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

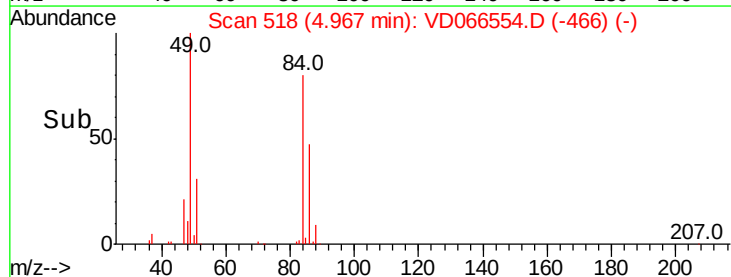
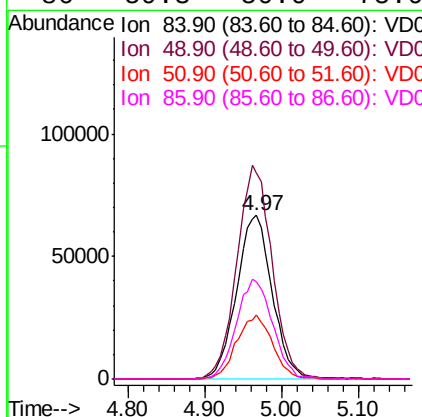
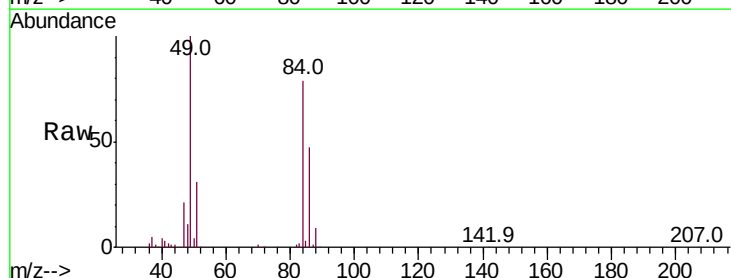
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

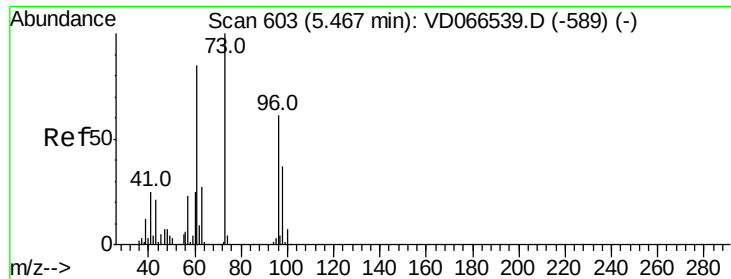
Tot Ion: 73 Resp: 425297
Ion Ratio Lower Upper
73 100
57 21.3 18.3 27.5



#20
Methylene Chloride
Concen: 47.105 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion: 84 Resp: 216386
Ion Ratio Lower Upper
84 100
49 126.0 104.3 156.5
51 39.2 32.2 48.4
86 59.3 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 47.177 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

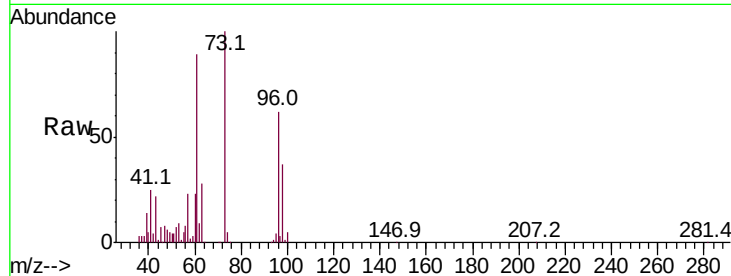
Tot Ion: 96 Resp: 211989

Ion Ratio Lower Upper

96 100

61 144.7 112.1 168.1

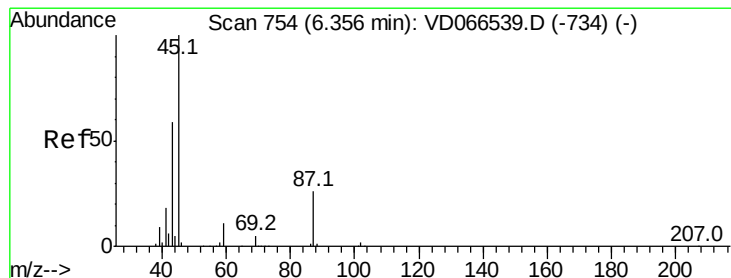
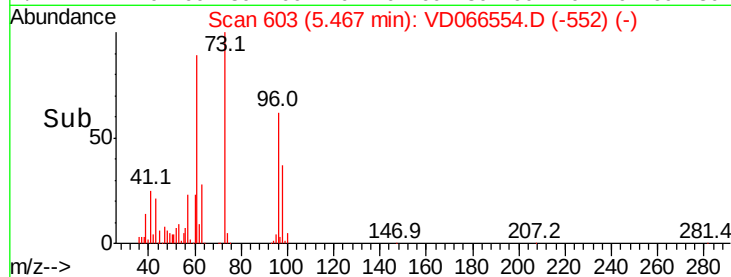
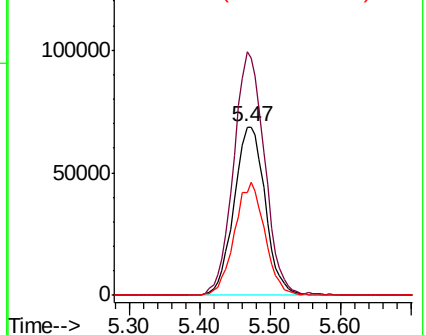
98 60.8 48.6 72.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 49.109 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion: 45 Resp: 626285

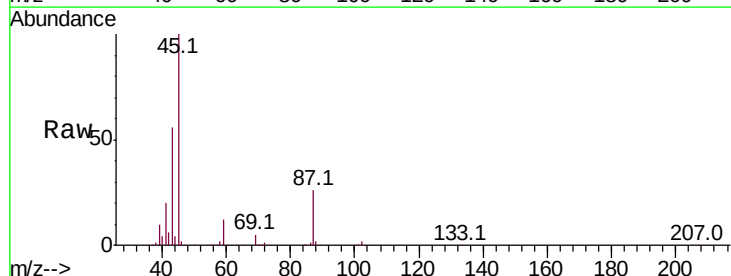
Ion Ratio Lower Upper

45 100

43 54.8 47.0 70.4

87 25.8 21.3 31.9

59 11.3 8.7 13.1

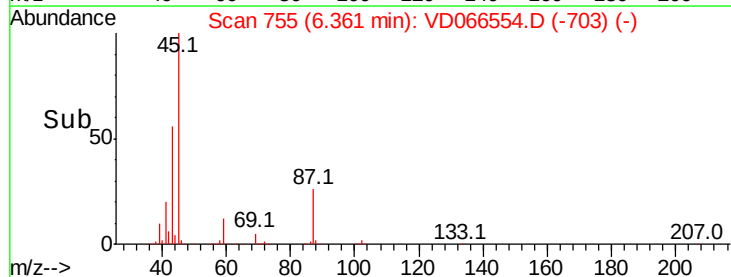
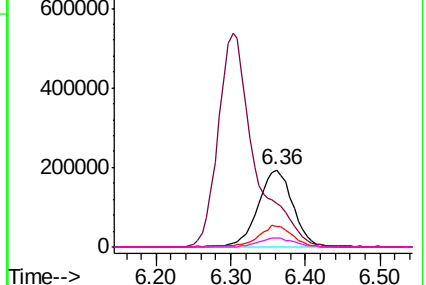


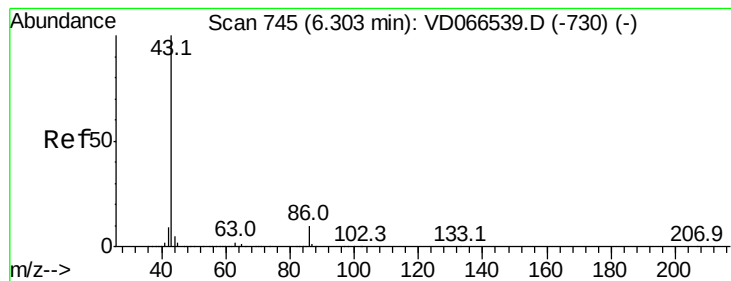
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 251.524 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

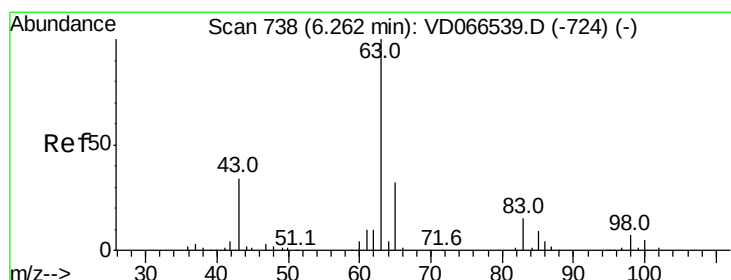
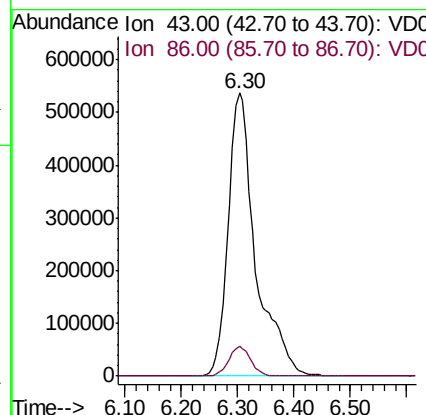
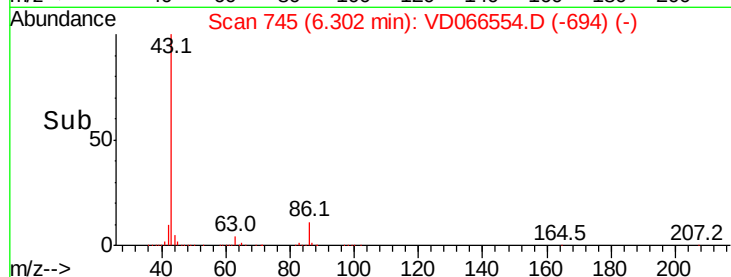
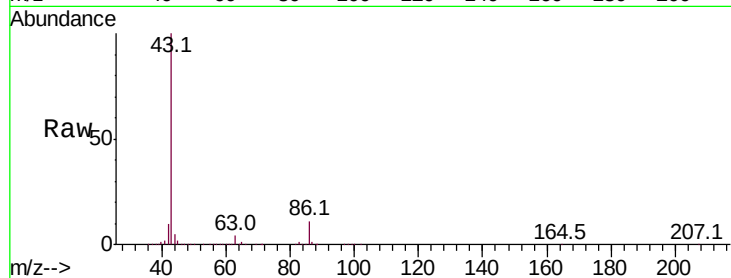
VSTDCCC050

Tot Ion: 43 Resp: 1825380

Ion Ratio Lower Upper

43 100

86 10.6 7.7 11.5



#24

1,1-Dichloroethane

Concen: 47.266 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

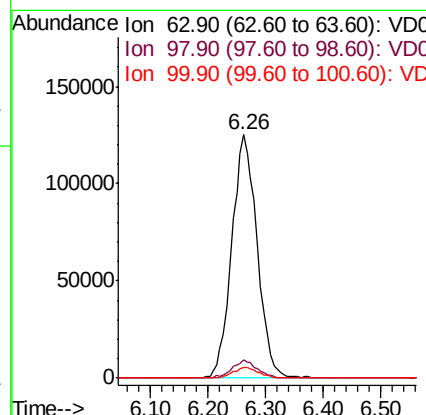
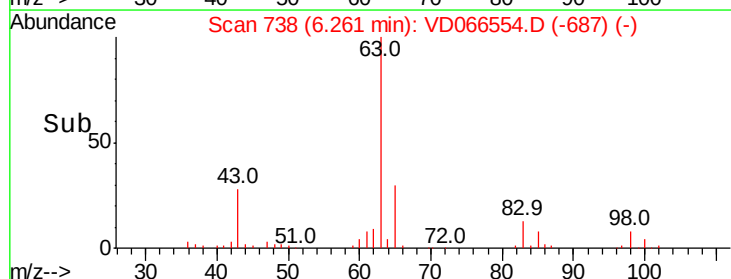
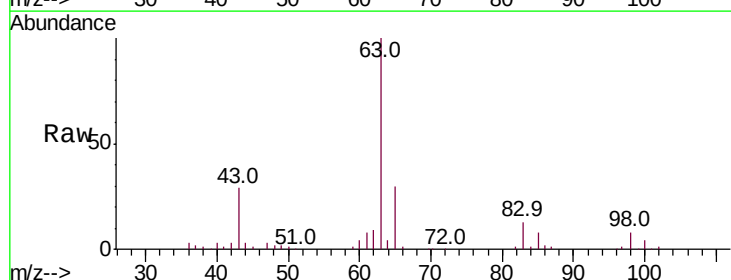
Tgt Ion: 63 Resp: 379056

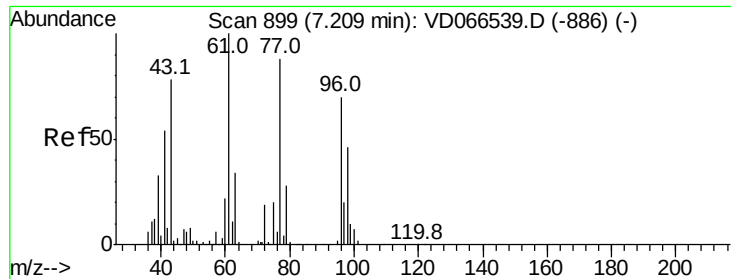
Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.1

100 4.4 2.5 7.4





#25

2-Butanone

Concen: 245.203 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

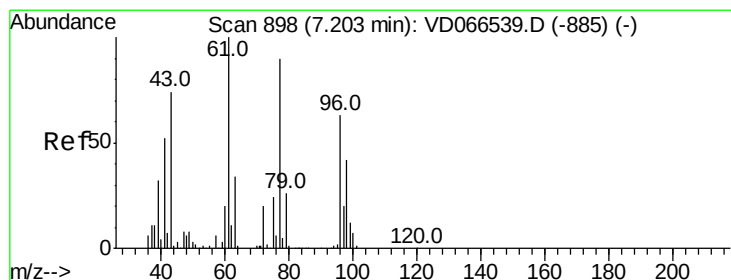
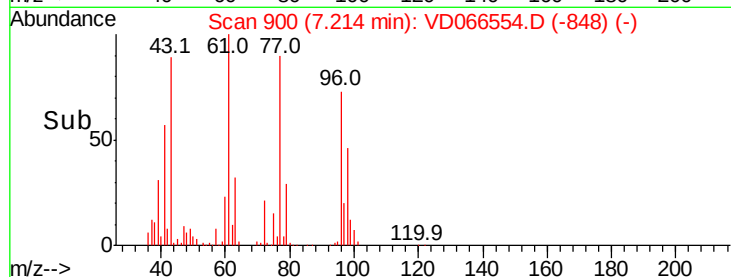
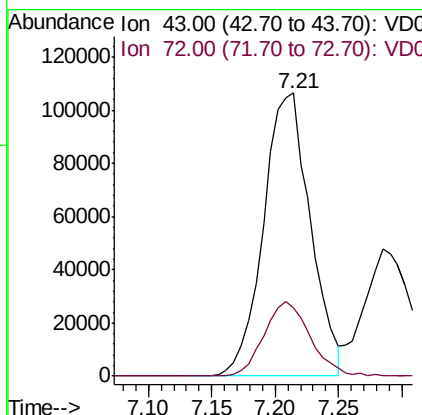
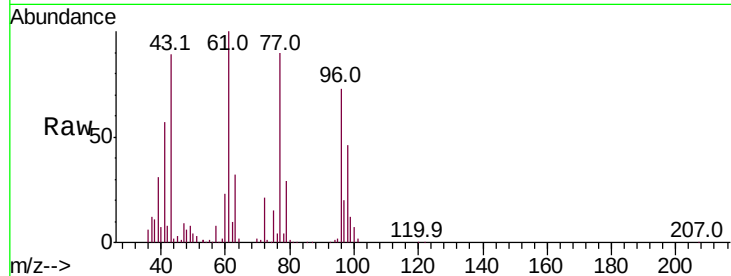
VSTDCCC050

Tot Ion: 43 Resp: 275212

Ion Ratio Lower Upper

43 100

72 23.9 19.8 29.6



#26

2,2-Dichloropropane

Concen: 47.446 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD066554.D

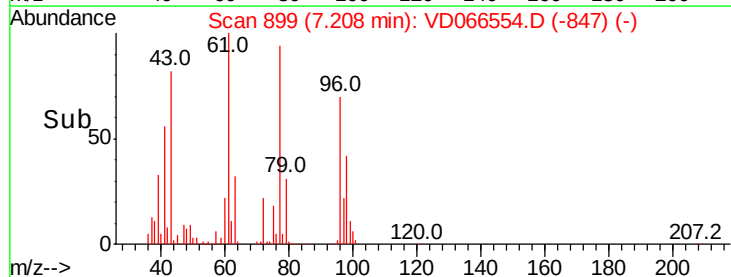
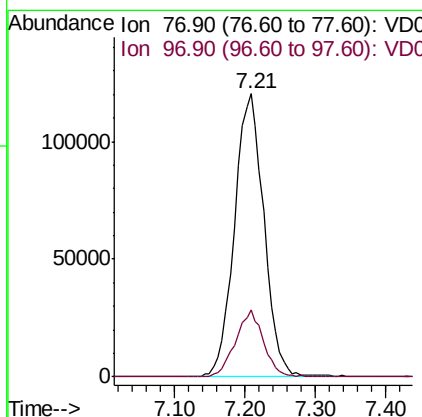
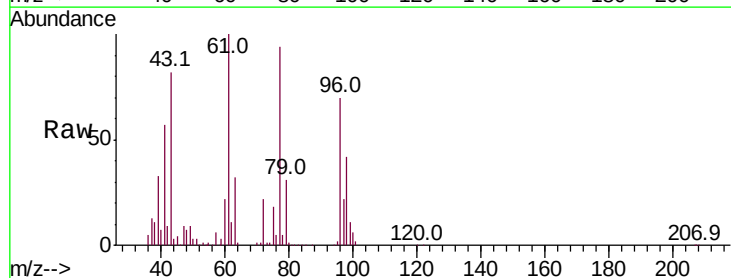
Acq: 04 Sep 2020 11:01

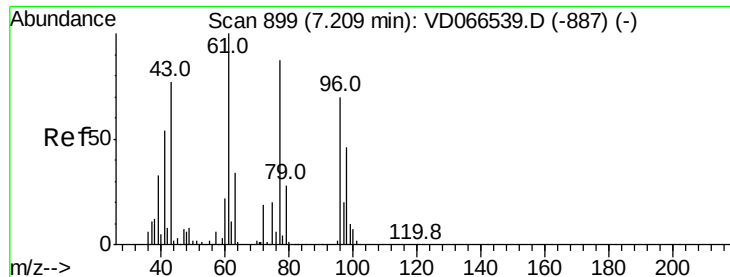
Tgt Ion: 77 Resp: 349028

Ion Ratio Lower Upper

77 100

97 22.3 10.8 32.3



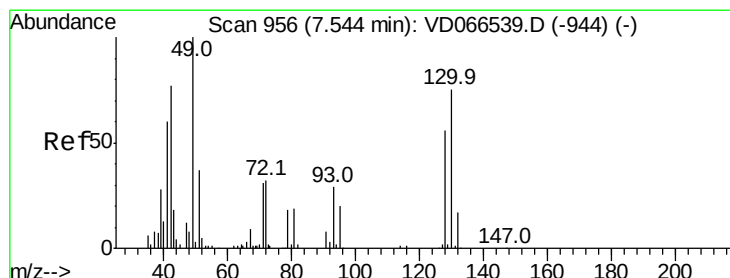
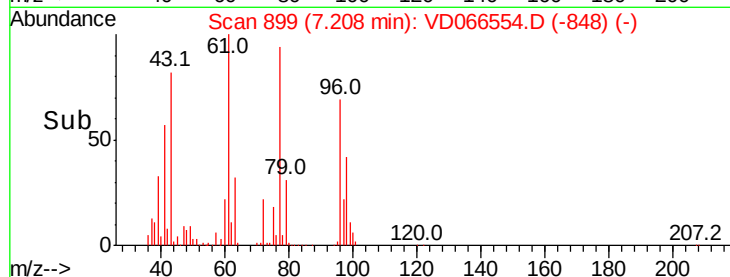
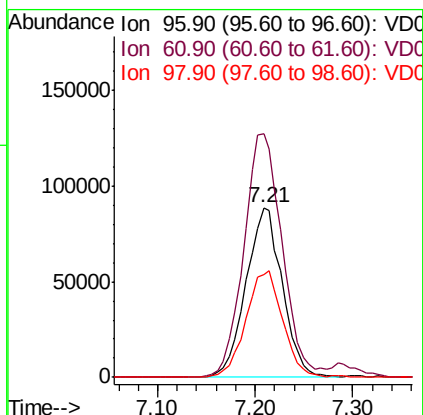
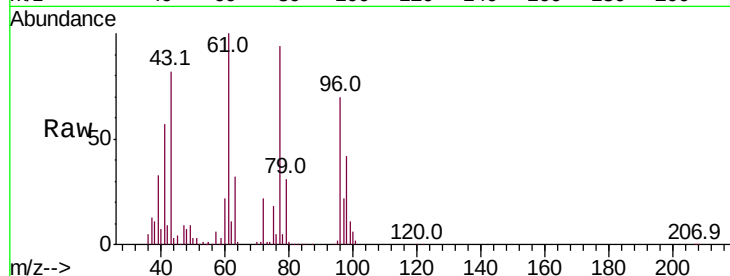


#27

cis-1,2-Dichloroethene
 Concen: 47.813 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

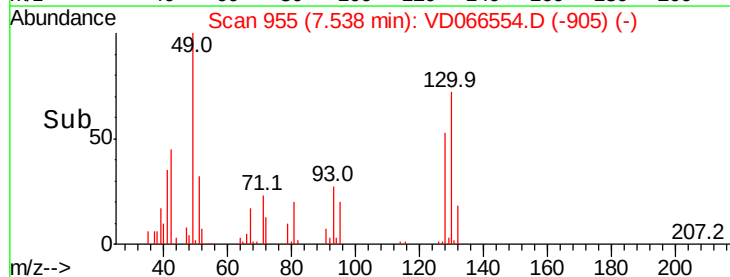
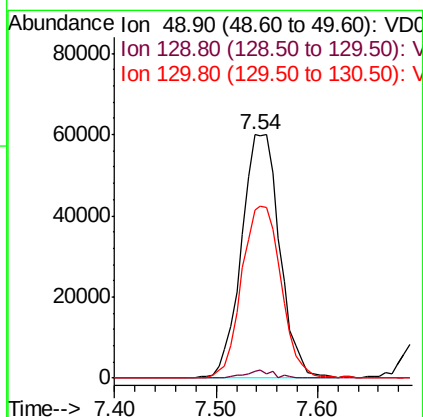
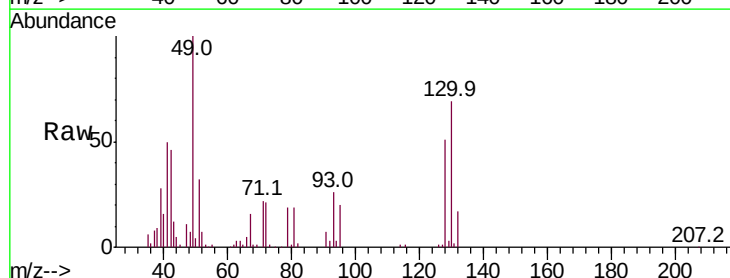
Tot Ion: 96 Resp: 231042
 Ion Ratio Lower Upper
 96 100
 61 151.9 0.0 301.0
 98 63.3 0.0 129.8

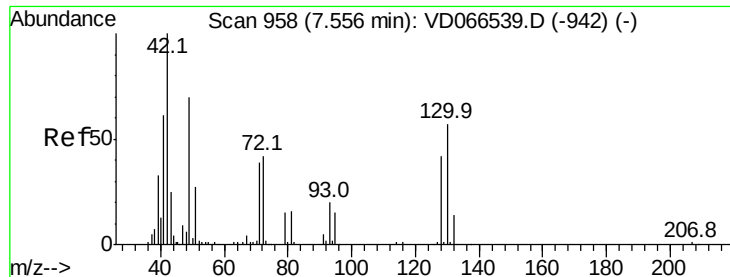


#28

Bromochloromethane
 Concen: 51.186 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion: 49 Resp: 158039
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 2.6
 130 72.8 58.2 87.2





#29

Tetrahydrofuran

Concen: 234.239 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

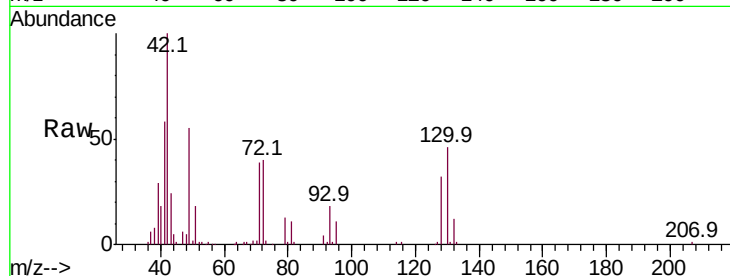
Tot Ion: 42 Resp: 163736

Ion Ratio Lower Upper

42 100

72 40.8 33.4 50.0

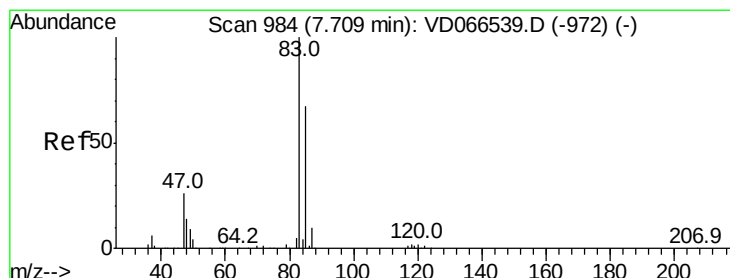
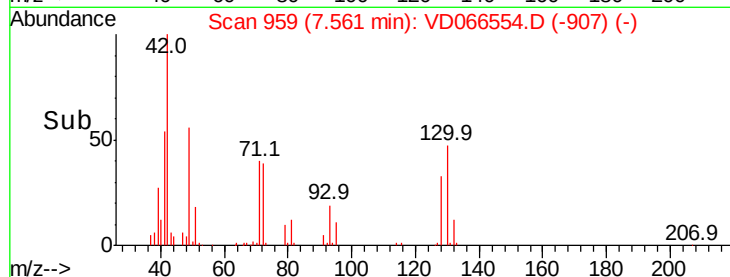
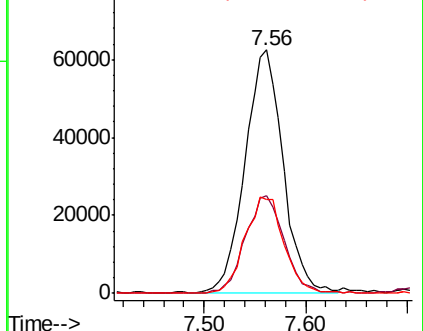
71 40.5 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 46.575 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.00 min

Lab File: VD066554.D

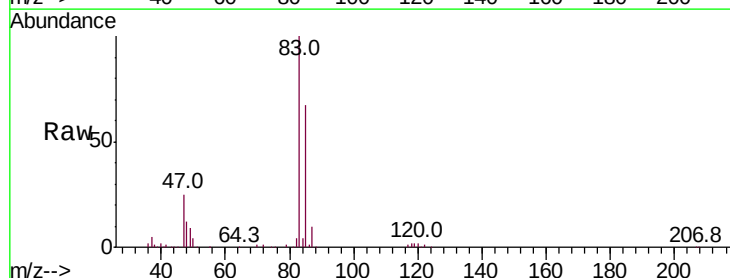
Acq: 04 Sep 2020 11:01

Tgt Ion: 83 Resp: 395161

Ion Ratio Lower Upper

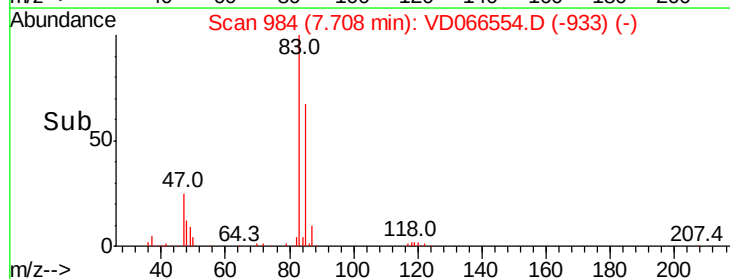
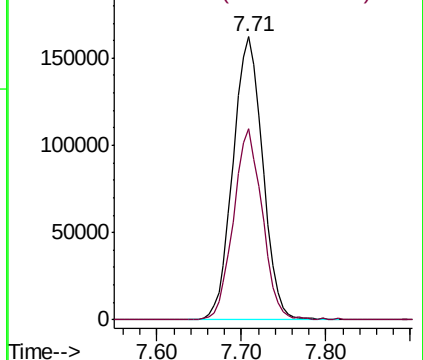
83 100

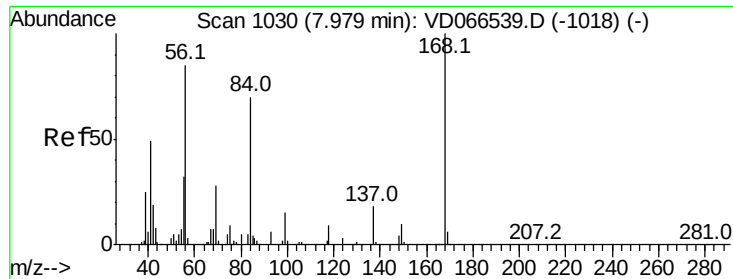
85 67.5 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 46.013 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

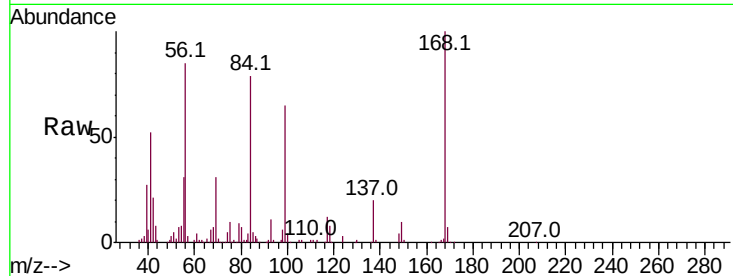
Tot Ion: 56 Resp: 341109

Ion Ratio Lower Upper

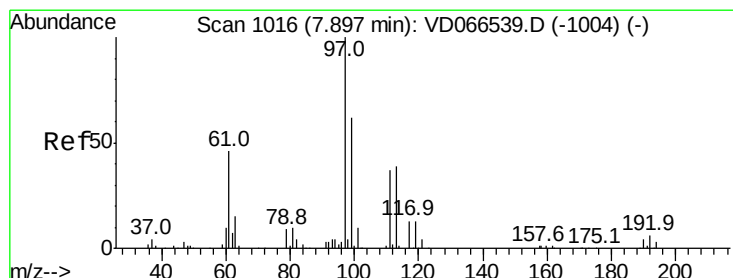
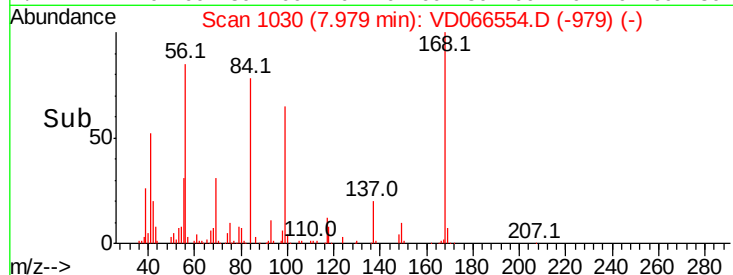
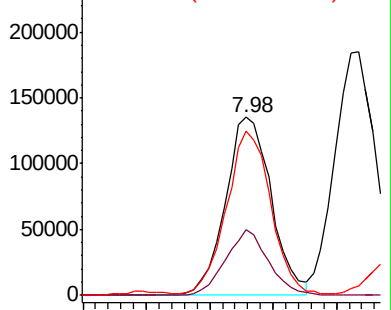
56 100

69 36.7 26.3 39.5

84 90.8 66.1 99.1



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



#32

1,1,1-Trichloroethane

Concen: 47.035 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

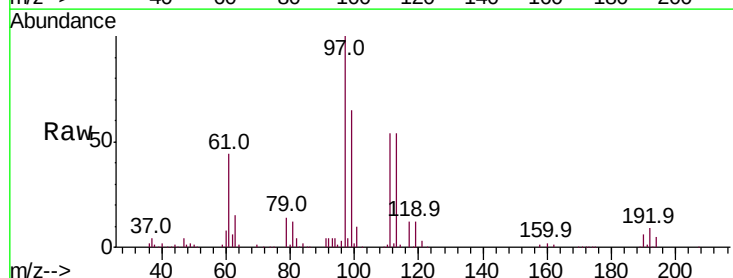
Tgt Ion: 97 Resp: 375191

Ion Ratio Lower Upper

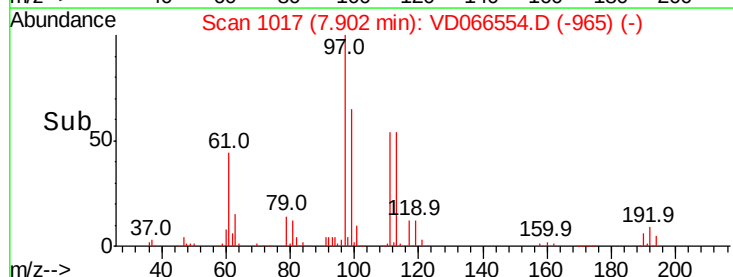
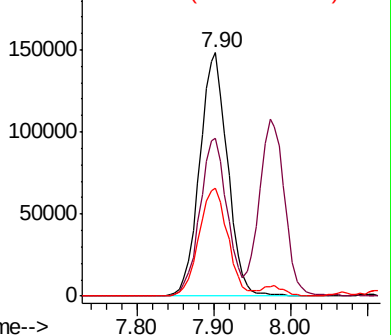
97 100

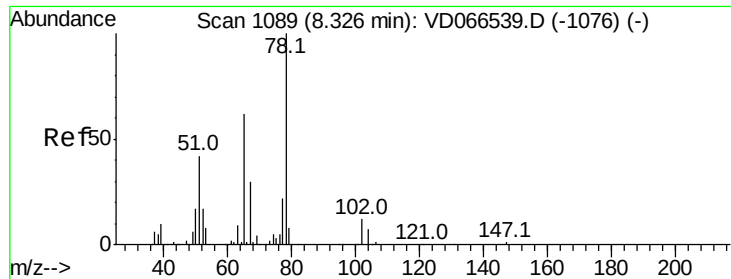
99 63.7 51.4 77.0

61 45.9 37.4 56.0



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

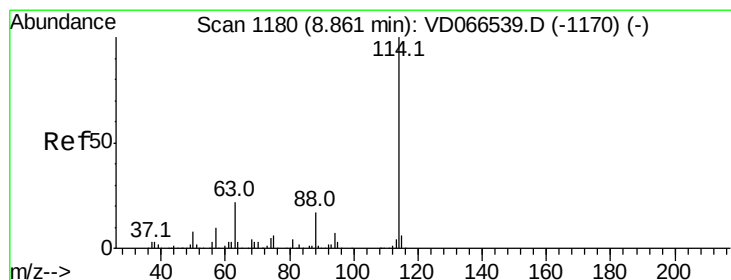
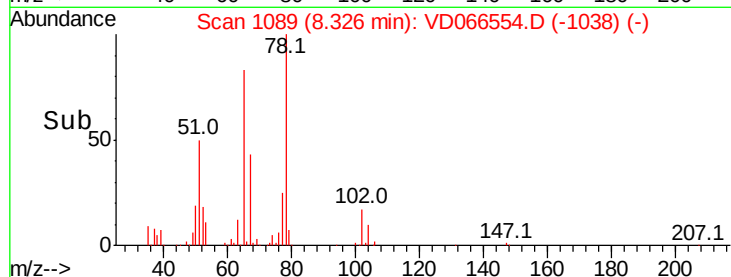
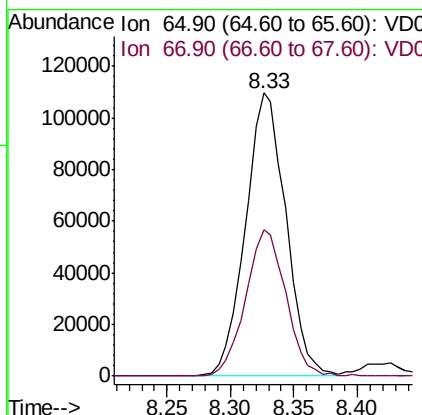
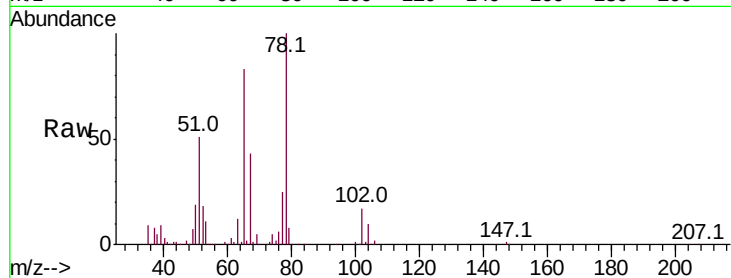




#33
 1,2-Dichloroethane-d4
 Concen: 53.547 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

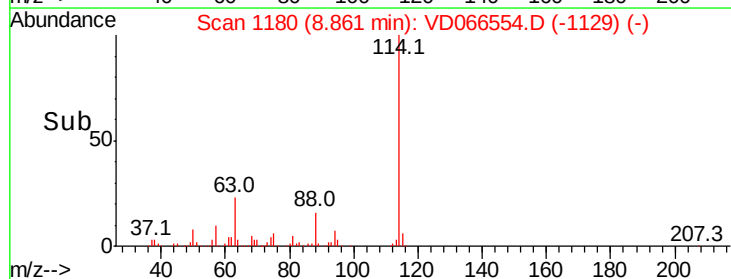
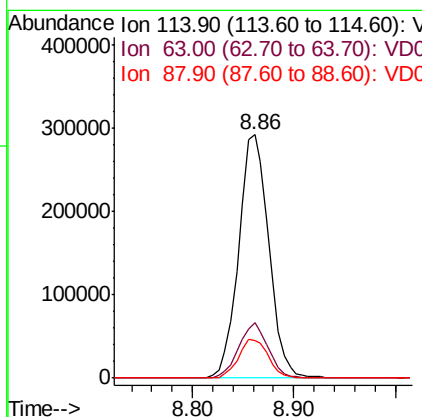
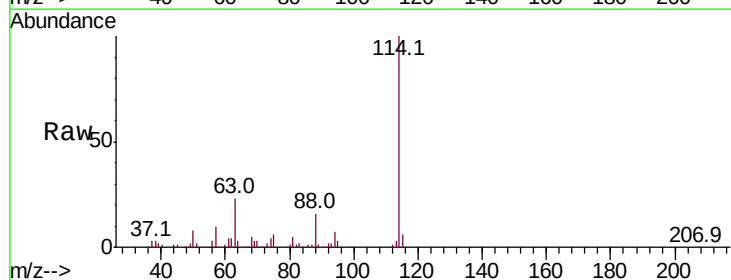
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

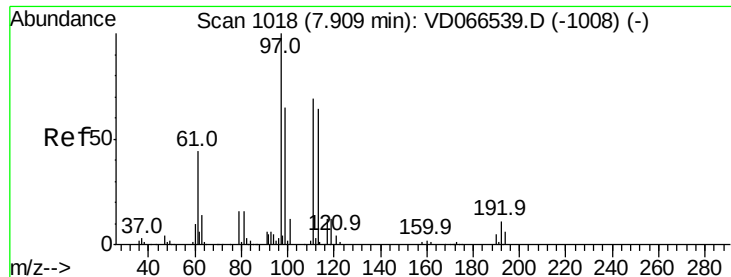
Tot Ion: 65 Resp: 243324
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion: 114 Resp: 600696
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.2
 88 15.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 55.927 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

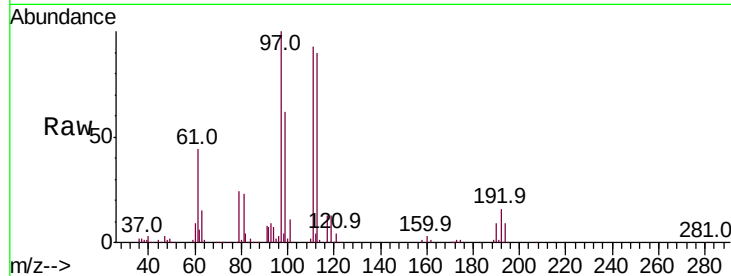
Tot Ion:113 Resp: 226637

Ion Ratio Lower Upper

113 100

111 102.1 83.2 124.8

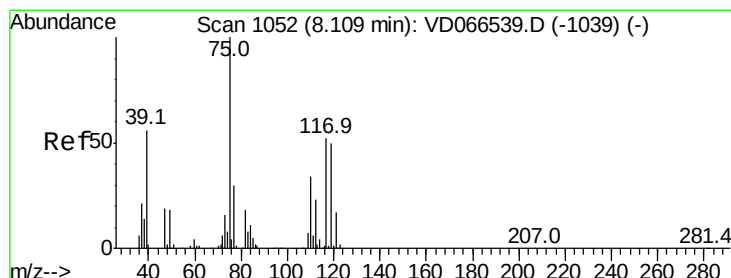
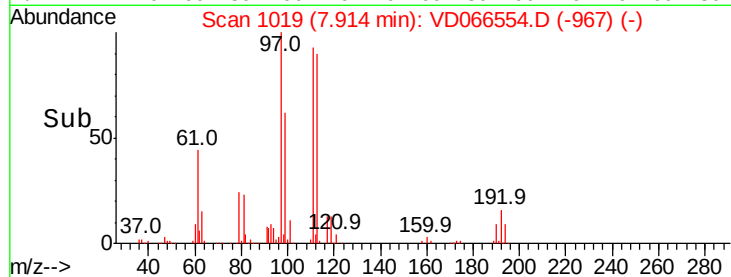
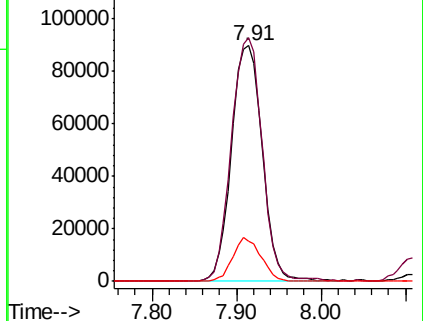
192 17.1 13.7 20.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.681 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

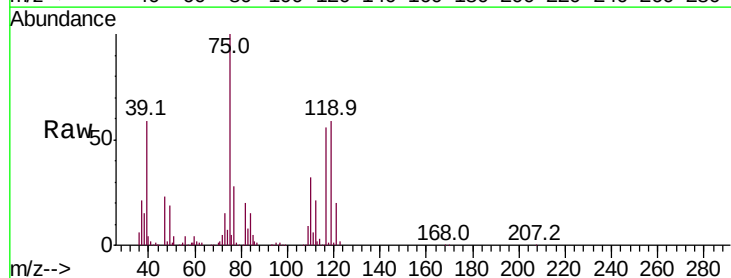
Tgt Ion: 75 Resp: 310577

Ion Ratio Lower Upper

75 100

110 34.3 17.3 52.0

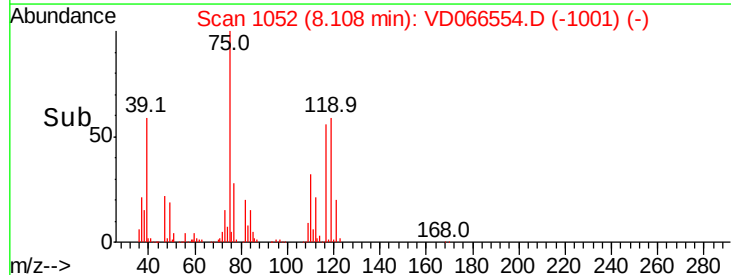
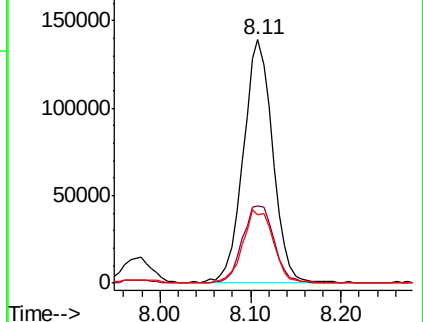
77 31.7 25.1 37.7

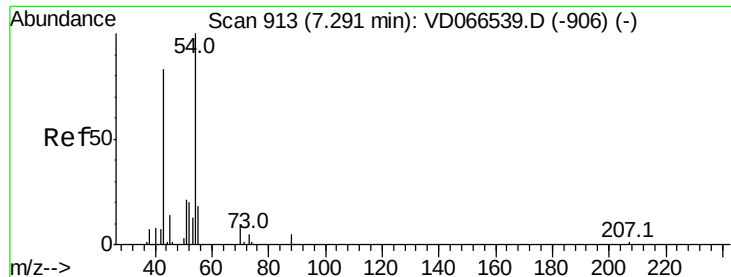


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 47.837 ug/l

RT: 7.28 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

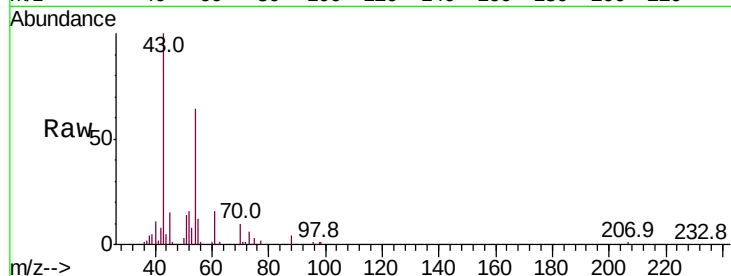
Tot Ion: 43 Resp: 119080

Ion Ratio Lower Upper

43 100

61 11.5 11.8 17.8#

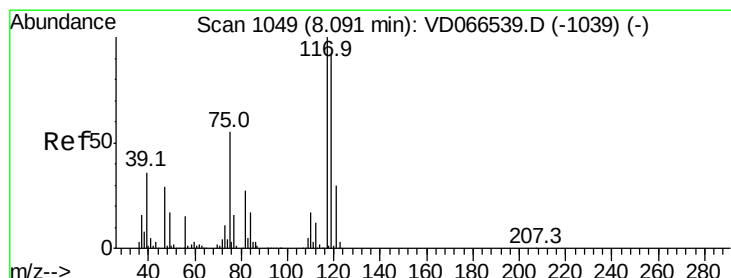
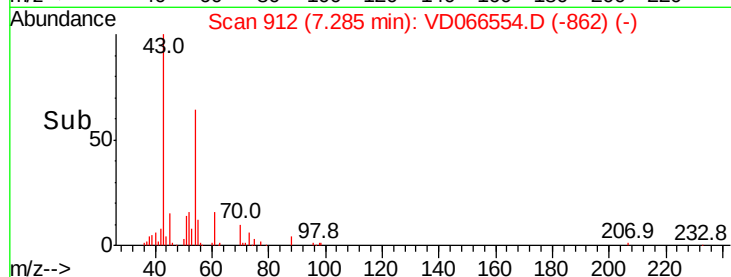
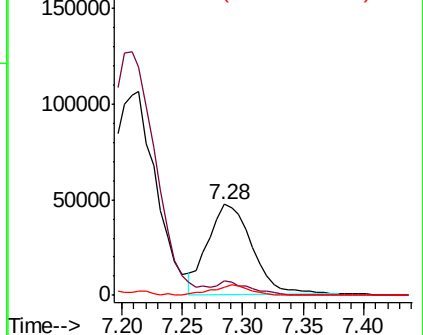
70 10.5 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 50.238 ug/l

RT: 8.09 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

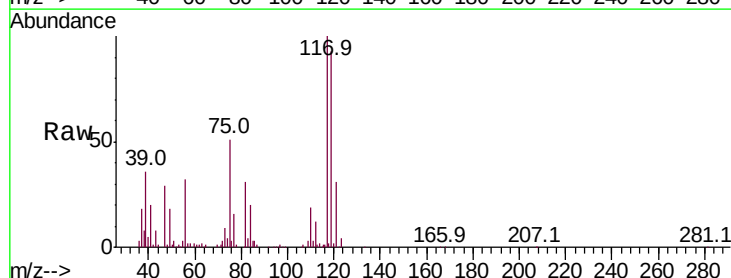
Tgt Ion: 117 Resp: 331960

Ion Ratio Lower Upper

117 100

119 93.1 73.9 110.9

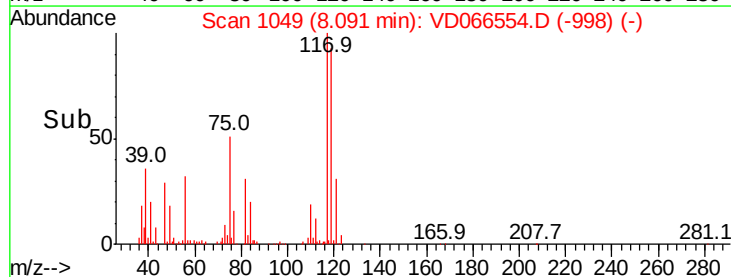
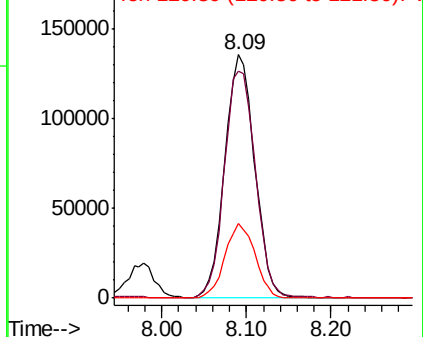
121 30.6 24.1 36.1

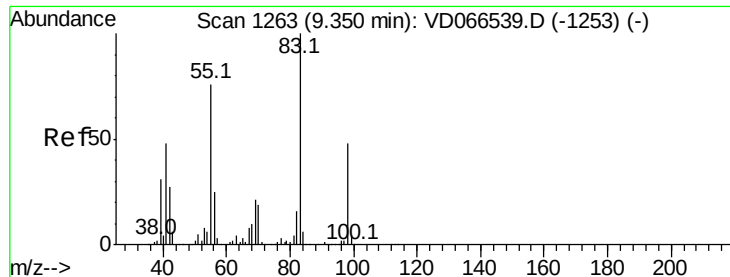


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

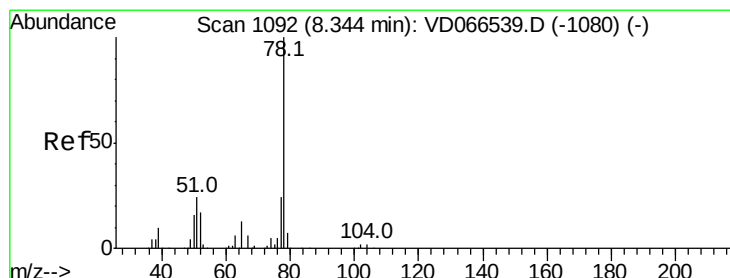
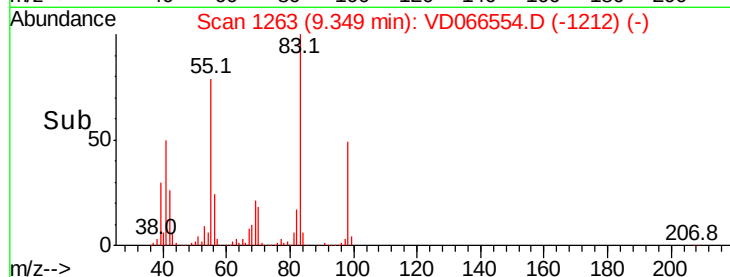
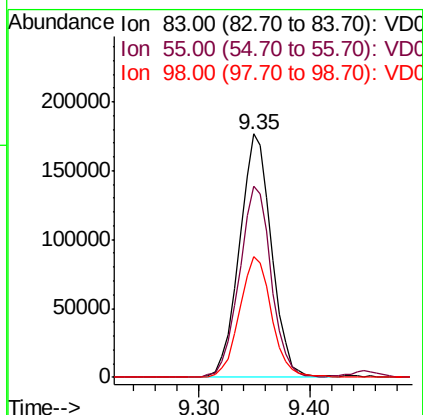
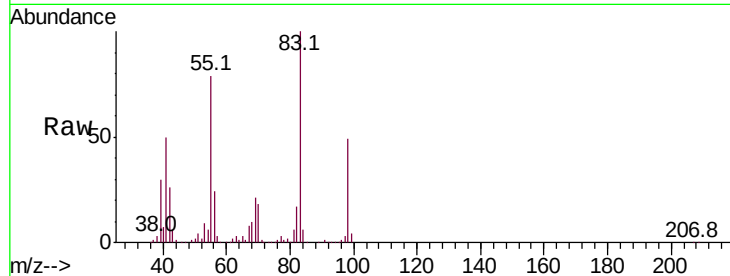




#39
Methylvlcyclohexane
Concen: 51.611 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

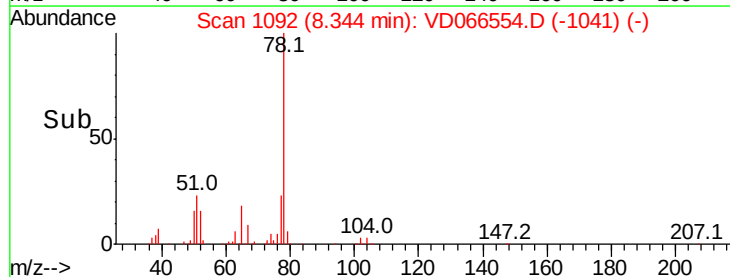
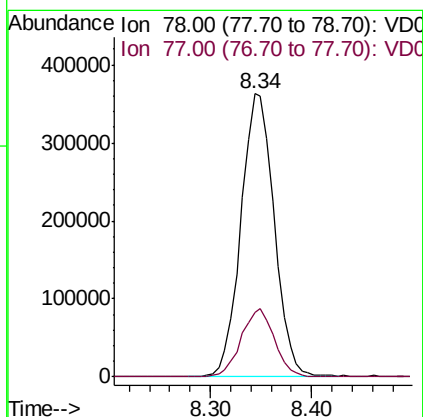
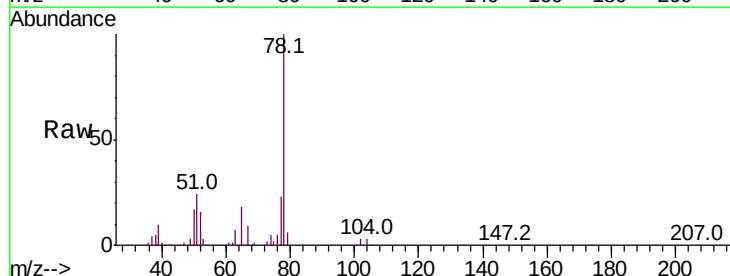
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

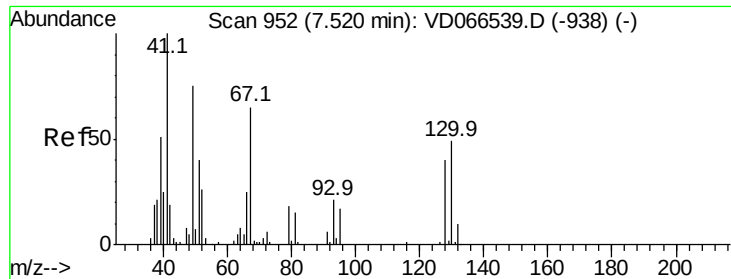
Tot Ion: 83 Resp: 360276
Ion Ratio Lower Upper
83 100
55 78.6 60.8 91.2
98 49.4 38.6 58.0



#40
Benzene
Concen: 48.300 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion: 78 Resp: 826966
Ion Ratio Lower Upper
78 100
77 23.0 19.1 28.7

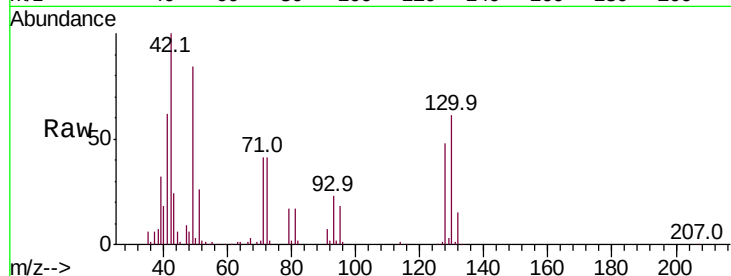




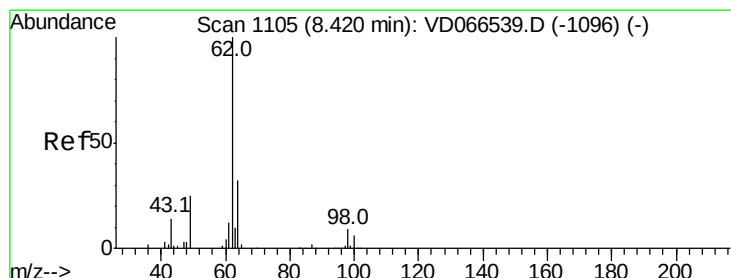
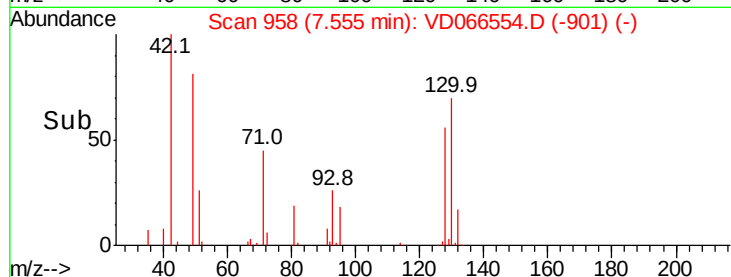
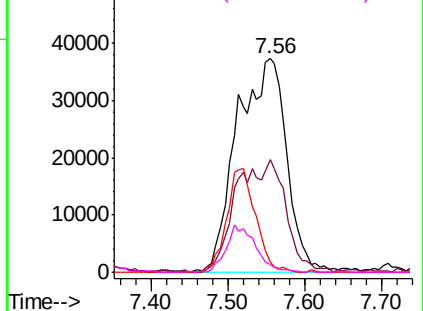
#41
Methacrylonitrile
Concen: 138.620 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.04 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 167032
Ion Ratio Lower Upper
41 100
39 0.0 53.6 80.4#
67 0.0 59.2 88.8#
52 0.0 26.8 40.2#

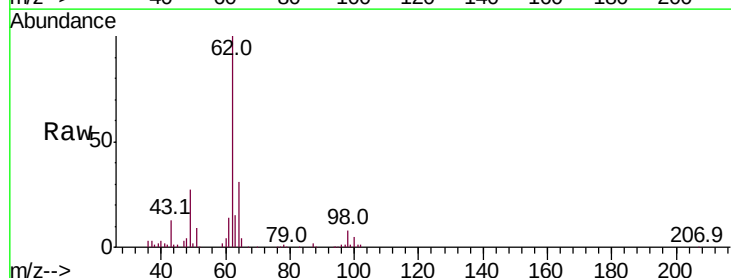


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

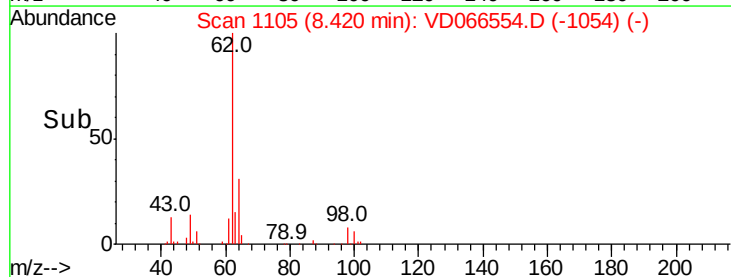
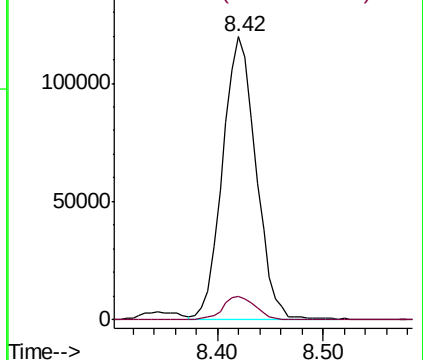


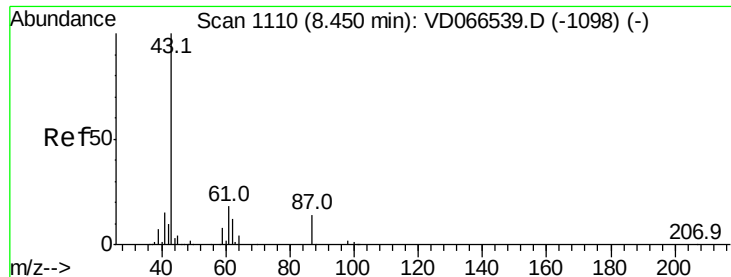
#42
1,2-Dichloroethane
Concen: 46.999 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion: 62 Resp: 260723
Ion Ratio Lower Upper
62 100
98 8.3 0.0 17.6



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





#43

Isopropyl Acetate

Concen: 48.977 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

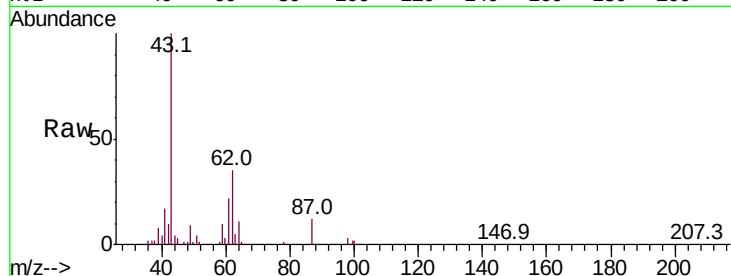
Tot Ion: 43 Resp: 233643

Ion Ratio Lower Upper

43 100

61 30.1 23.8 35.8

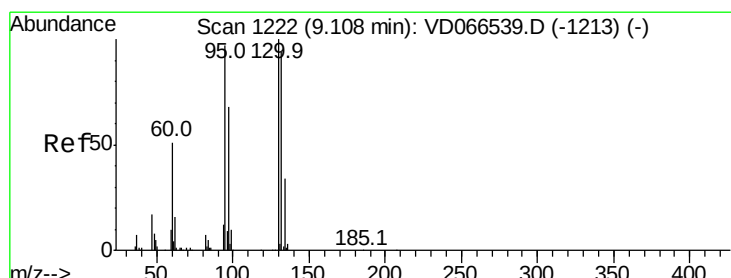
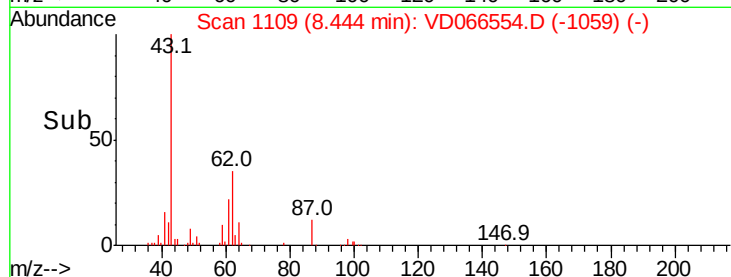
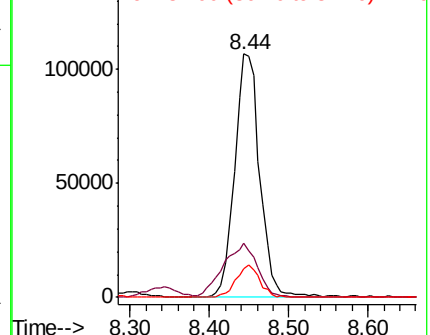
87 12.4 10.7 16.1



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: 49.288 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066554.D

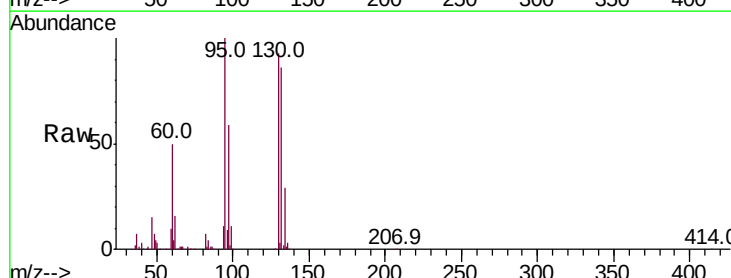
Acq: 04 Sep 2020 11:01

Tgt Ion:130 Resp: 221354

Ion Ratio Lower Upper

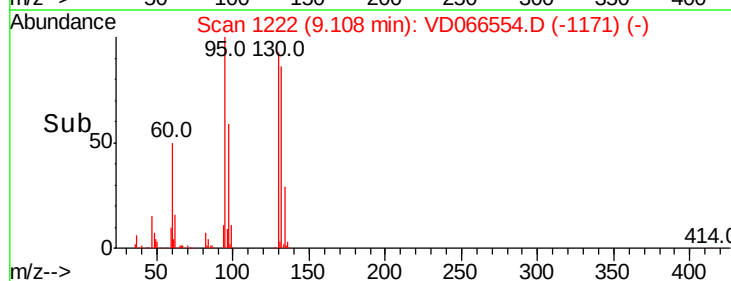
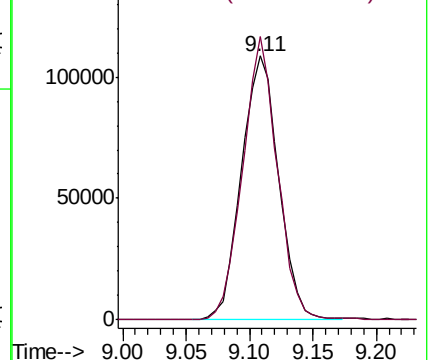
130 100

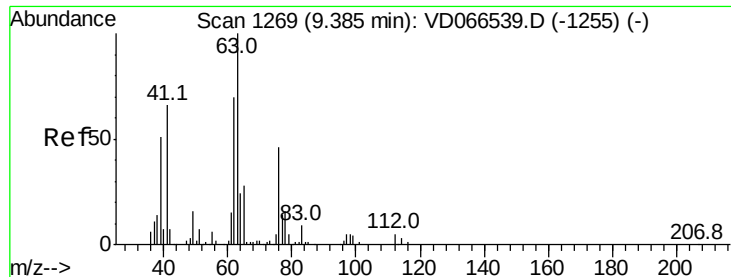
95 107.3 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.658 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

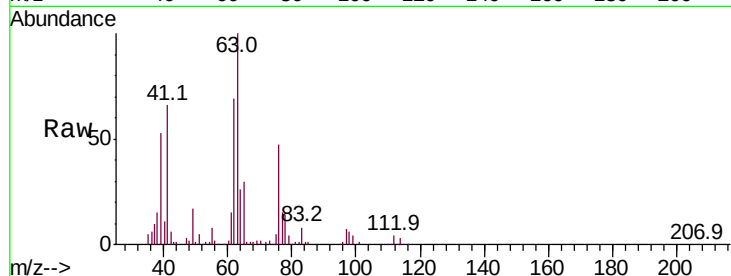
VSTDCCC050

Tot Ion: 63 Resp: 205200

Ion Ratio Lower Upper

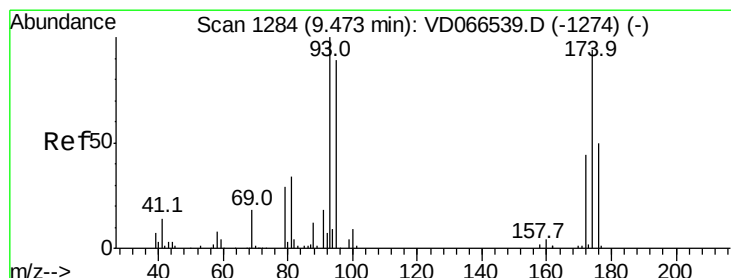
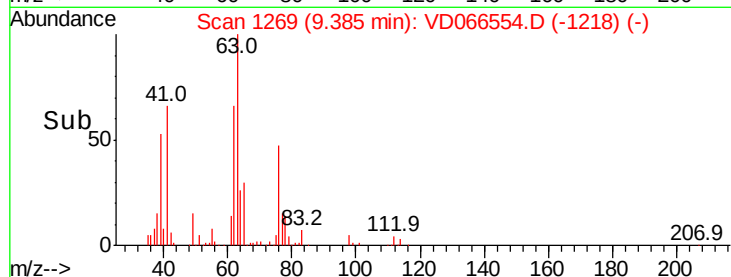
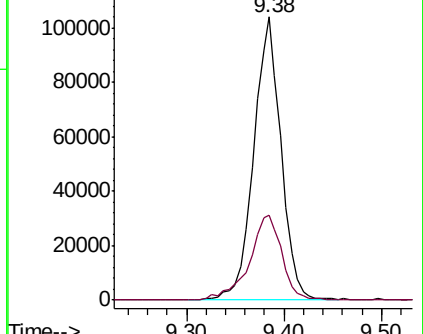
63 100

65 30.0 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.566 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

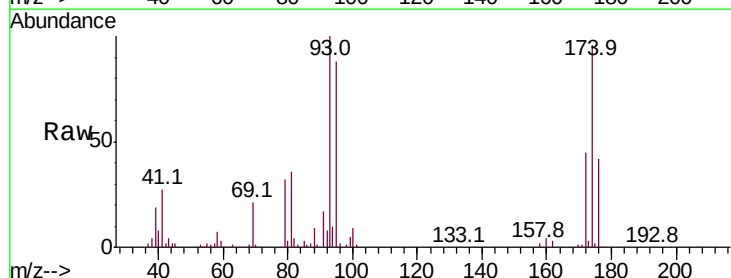
Tgt Ion: 93 Resp: 115367

Ion Ratio Lower Upper

93 100

95 81.4 68.7 103.1

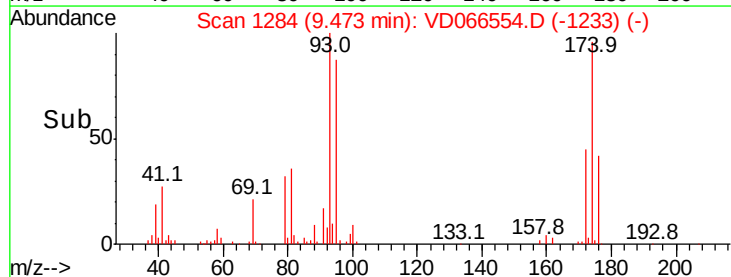
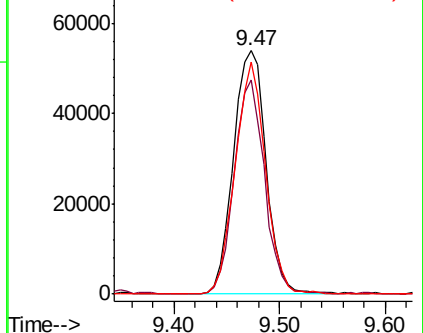
174 88.4 70.0 105.0

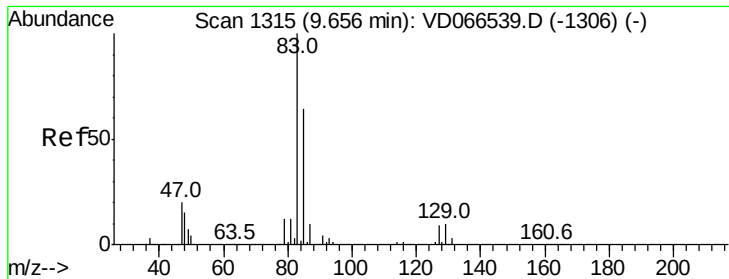


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.861 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

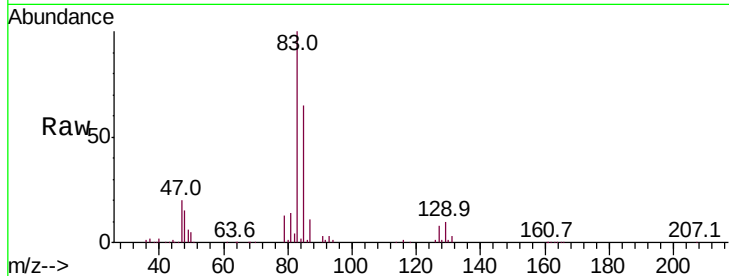
Tot Ion: 83 Resp: 307597

Ion Ratio Lower Upper

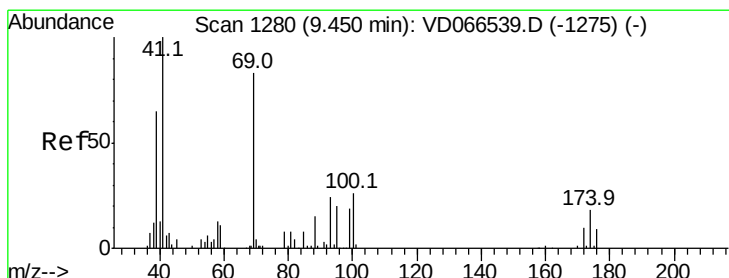
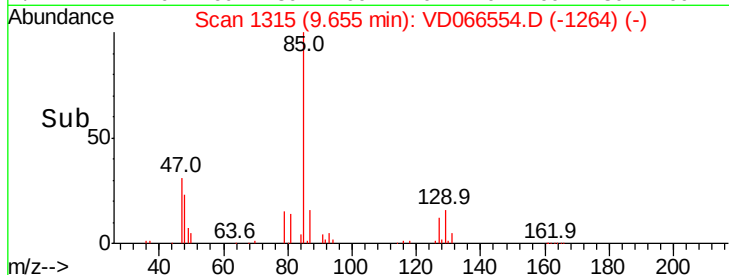
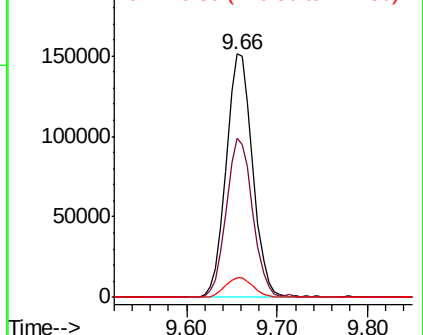
83 100

85 65.4 51.1 76.7

127 7.9 6.9 10.3



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



#48

Methyl methacrylate

Concen: 47.039 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

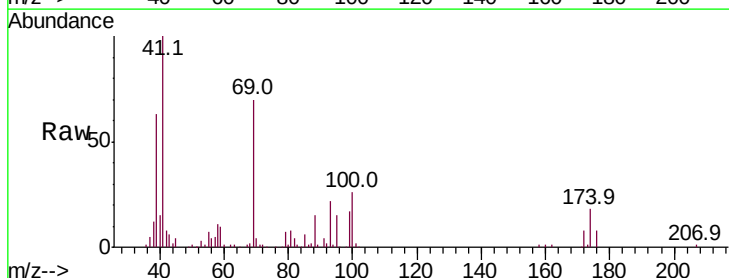
Tgt Ion: 41 Resp: 113467

Ion Ratio Lower Upper

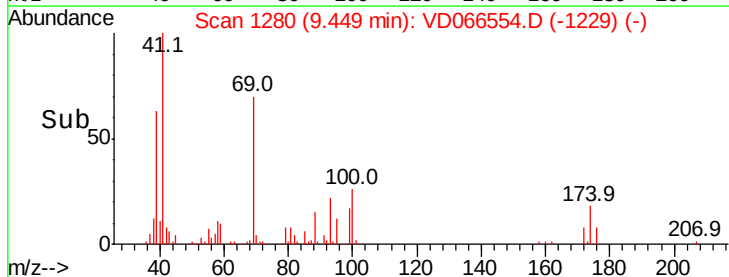
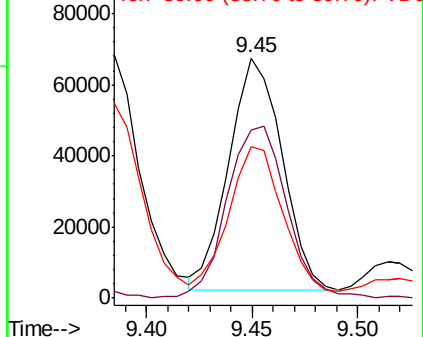
41 100

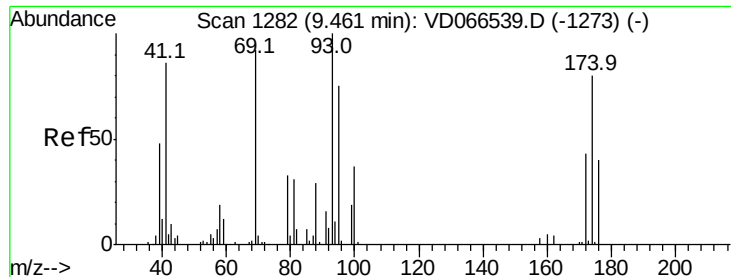
69 83.1 64.5 96.7

39 63.4 46.6 69.8



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: 959.135 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

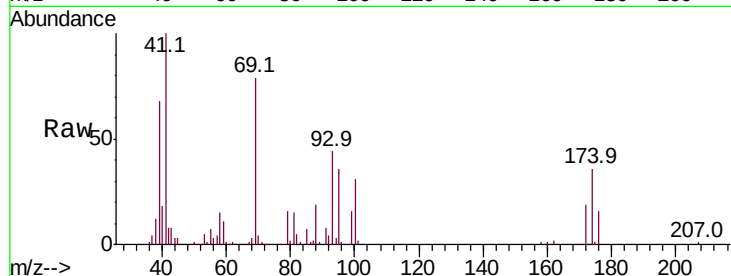
Tot Ion: 88 Resp: 24996

Ion Ratio Lower Upper

88 100

43 35.9 28.3 42.5

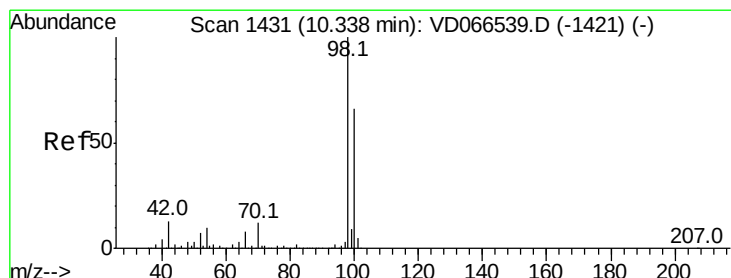
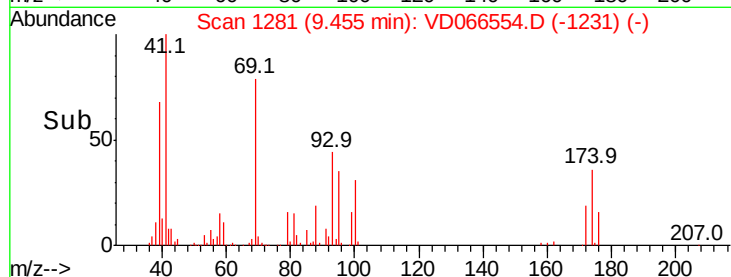
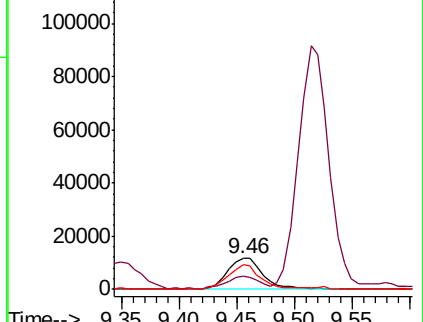
58 71.9 56.1 84.1



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: 58.590 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066554.D

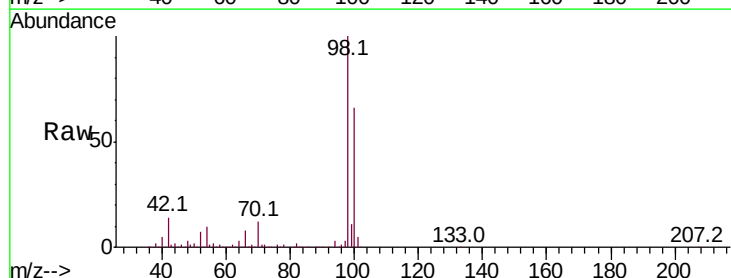
Acq: 04 Sep 2020 11:01

Tgt Ion: 98 Resp: 848593

Ion Ratio Lower Upper

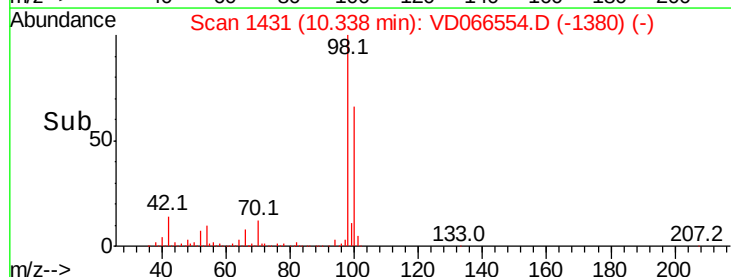
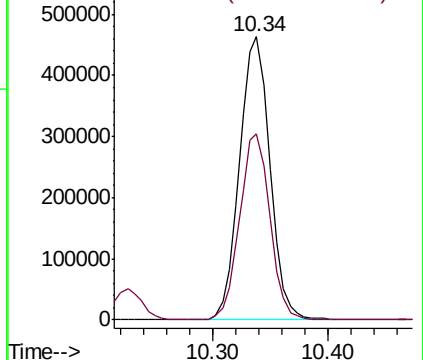
98 100

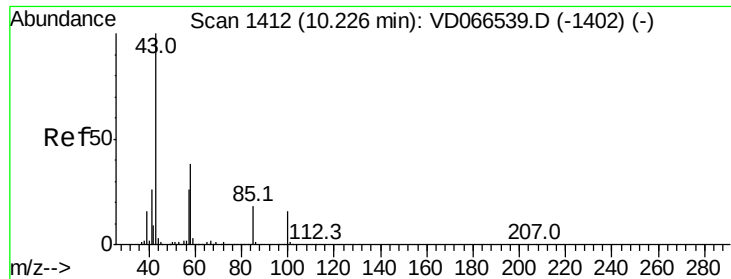
100 65.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

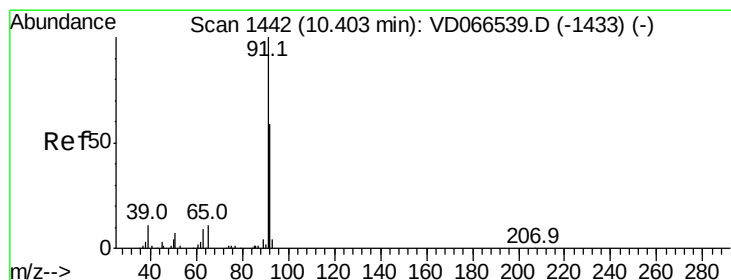
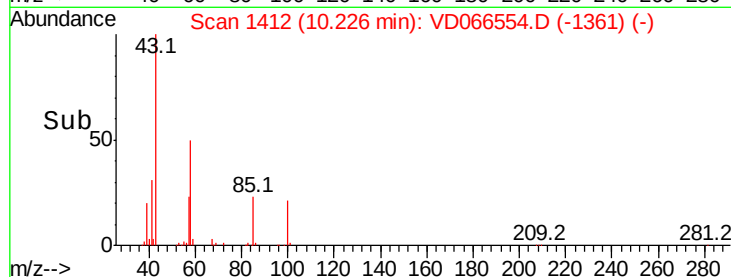
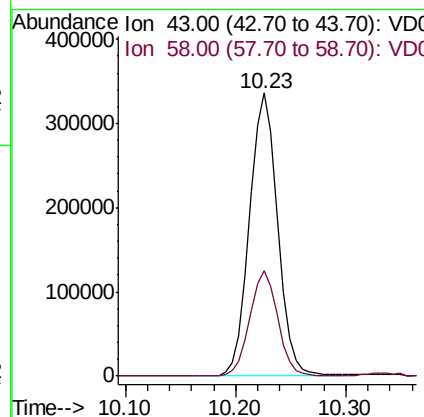
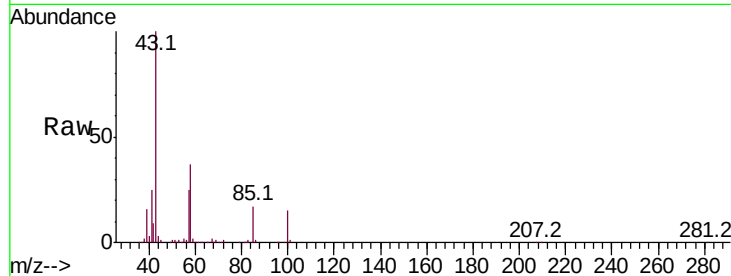




#51
4-Methyl-2-Pentanone
Concen: 251.544 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

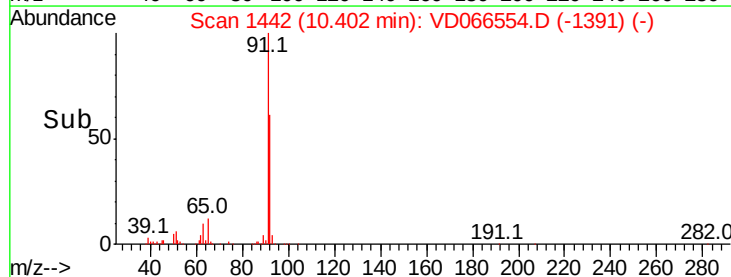
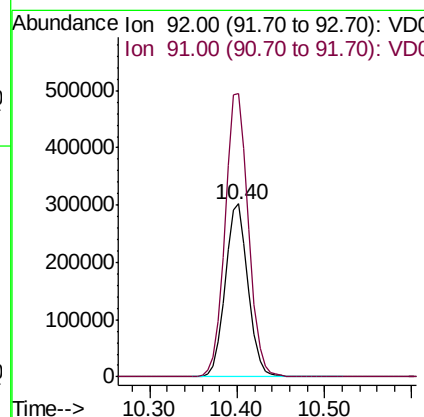
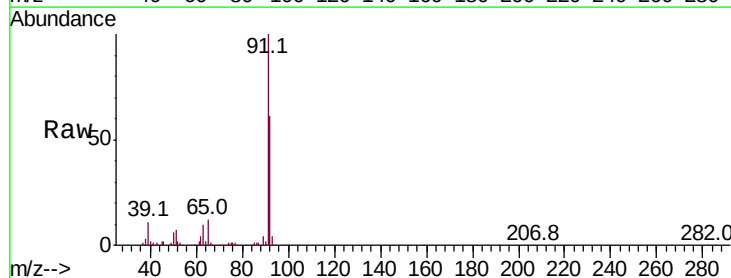
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

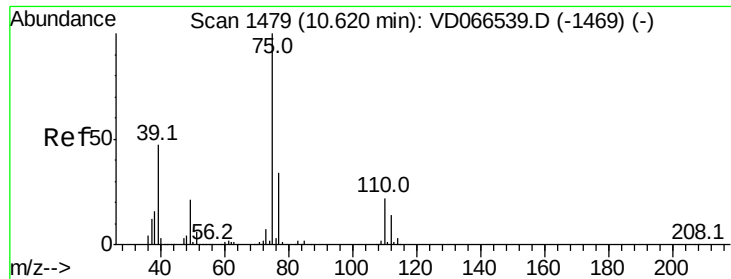
Tot Ion: 43 Resp: 605182
Ion Ratio Lower Upper
43 100
58 37.0 30.5 45.7



#52
Toluene
Concen: 50.315 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion: 92 Resp: 545303
Ion Ratio Lower Upper
92 100
91 167.7 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 50.335 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

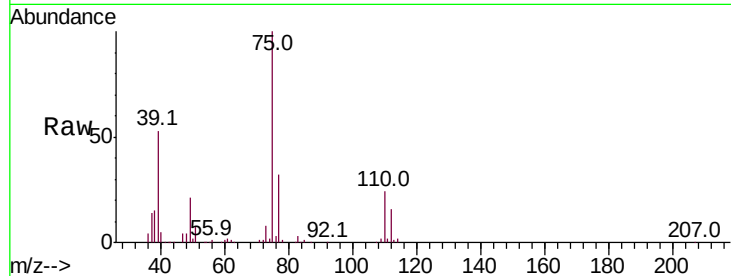
VSTDCCC050

Tot Ion: 75 Resp: 285577

Ion Ratio Lower Upper

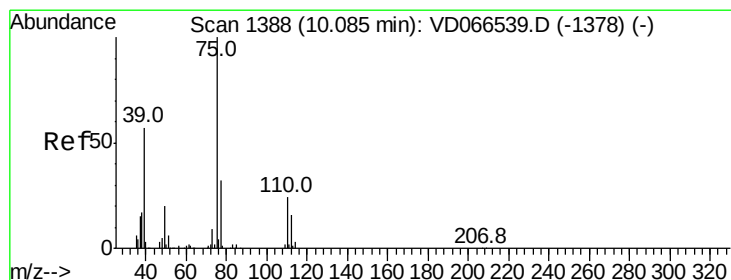
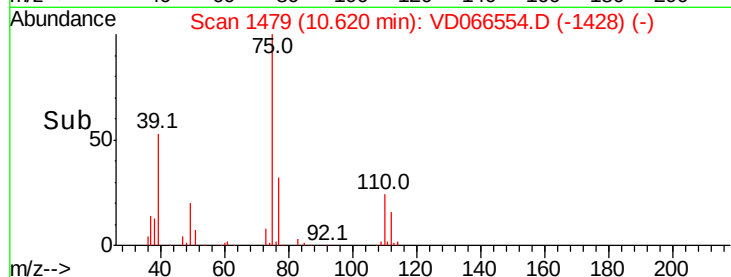
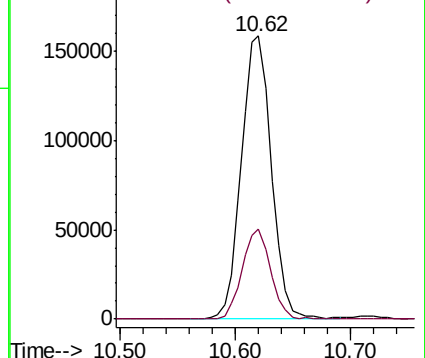
75 100

77 31.8 27.4 41.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 49.021 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

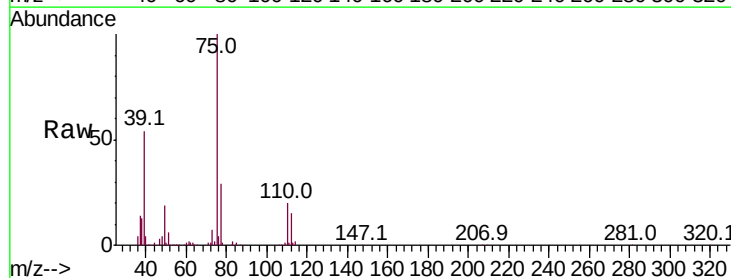
Tgt Ion: 75 Resp: 333995

Ion Ratio Lower Upper

75 100

77 29.3 25.4 38.0

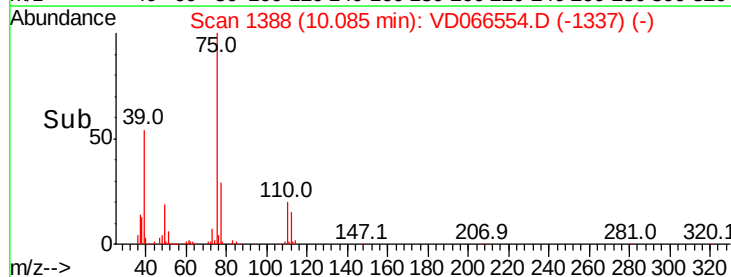
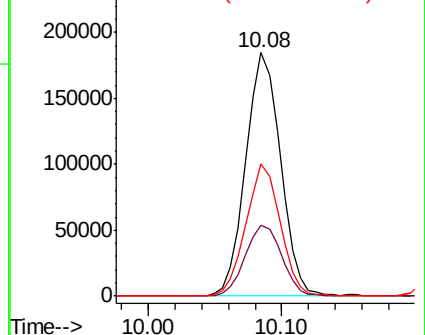
39 54.1 45.4 68.0

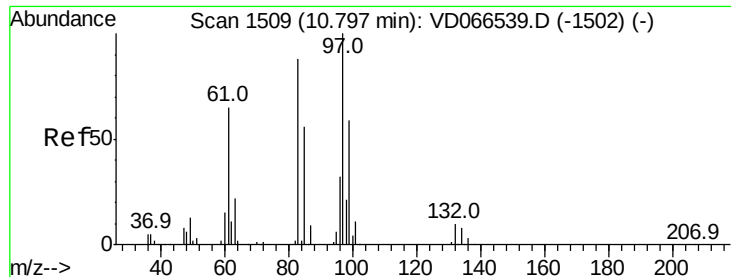


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 48.491 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 148105

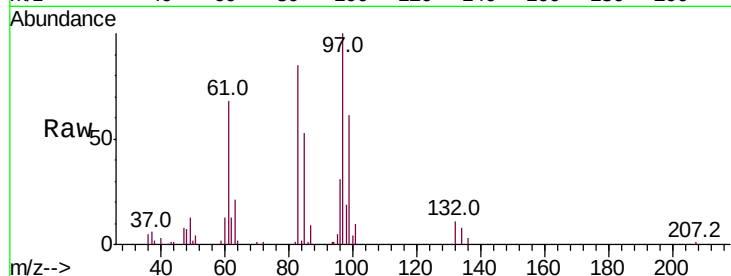
Ion Ratio Lower Upper

97 100

83 84.8 70.1 105.1

85 53.3 44.5 66.7

99 60.5 47.1 70.7

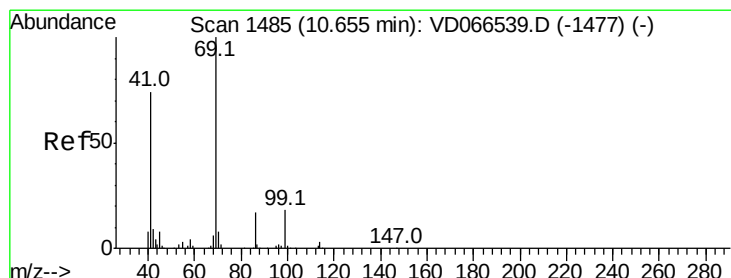
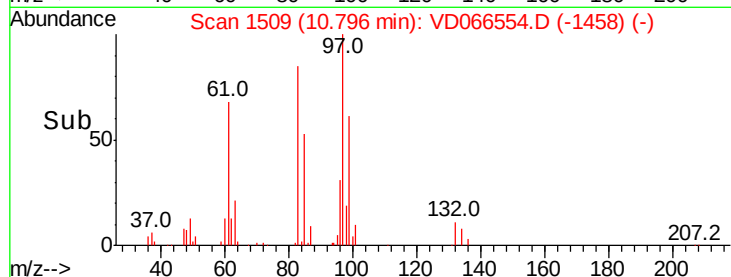
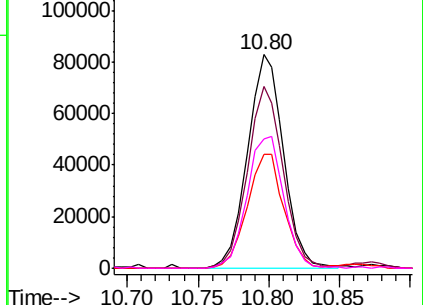


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 51.250 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

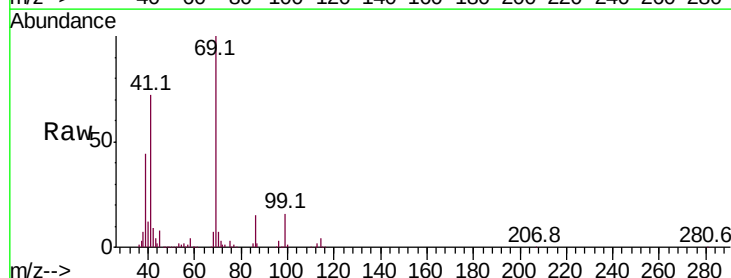
Tgt Ion: 69 Resp: 182256

Ion Ratio Lower Upper

69 100

41 72.0 56.8 85.2

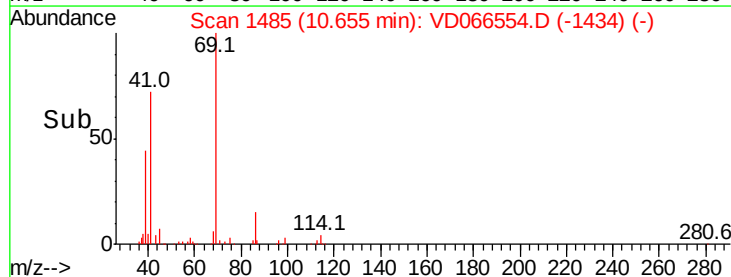
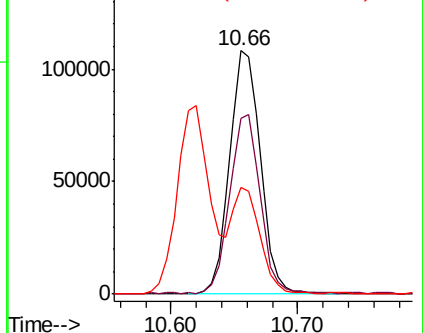
39 38.1 30.6 46.0

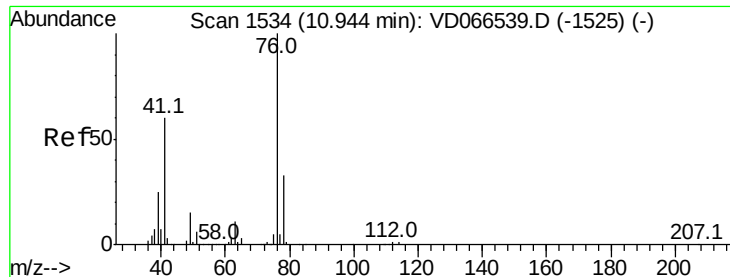


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 47.999 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

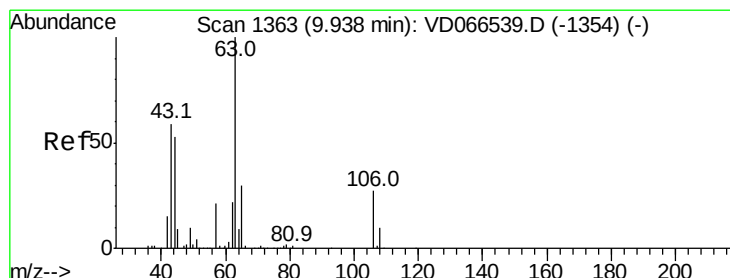
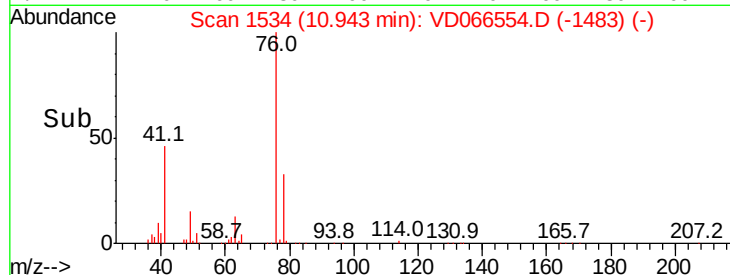
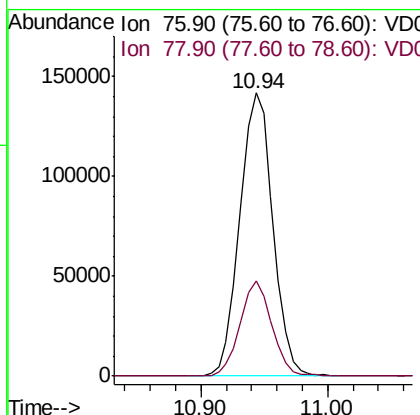
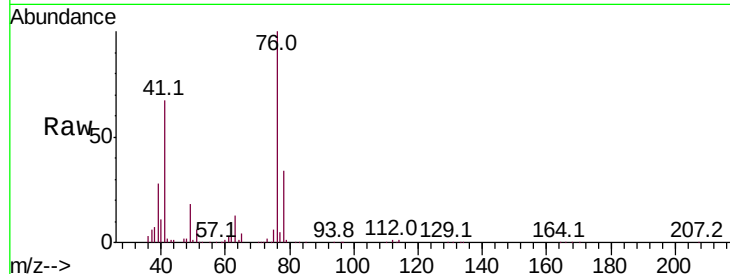
Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 256787

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



#58

2-Chloroethyl Vinyl ether

Concen: 250.816 ug/l

RT: 9.94 min Scan# 1363

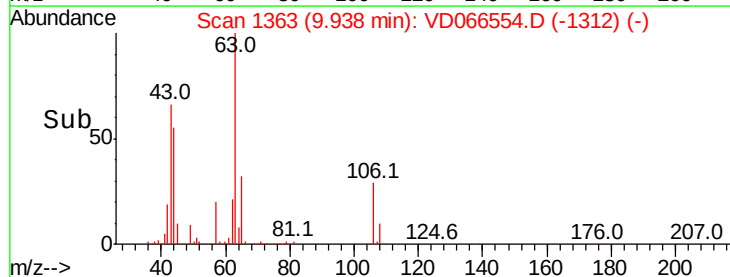
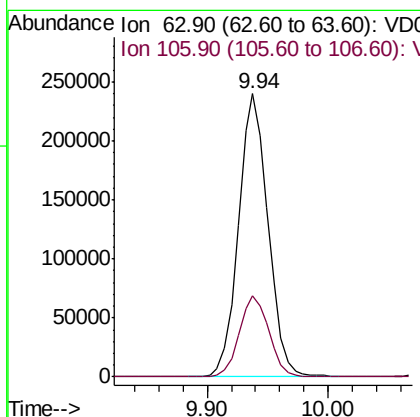
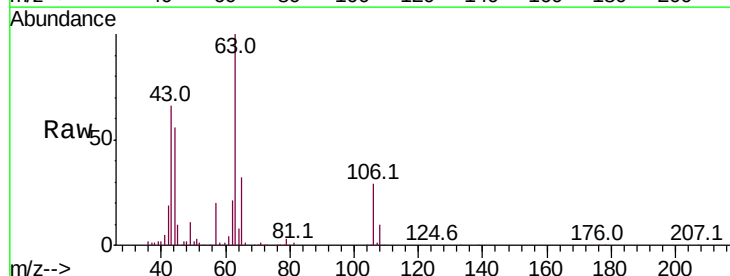
Delta R.T. -0.00 min

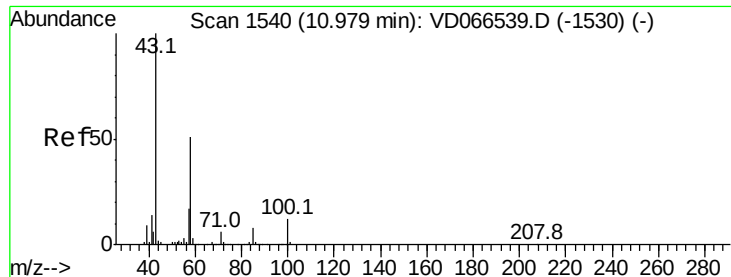
Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion: 63 Resp: 407978

Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.0	33.0

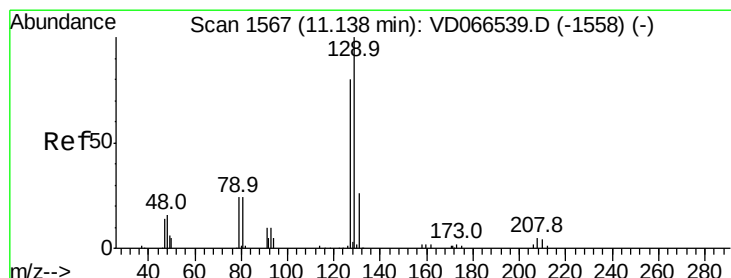
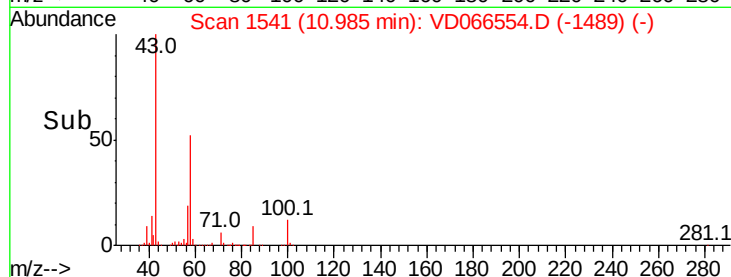
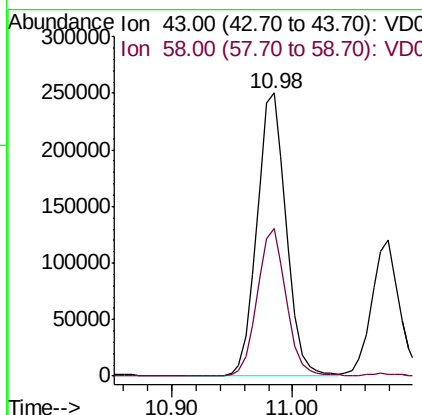
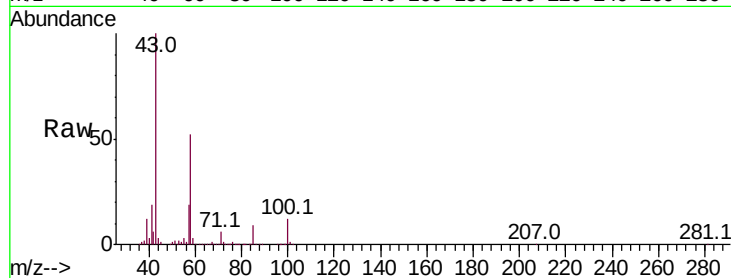




#59
2-Hexanone
Concen: 261.558 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

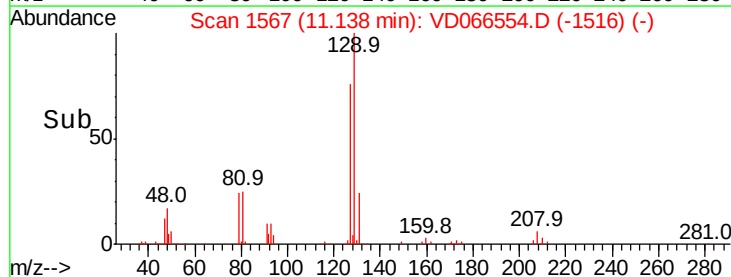
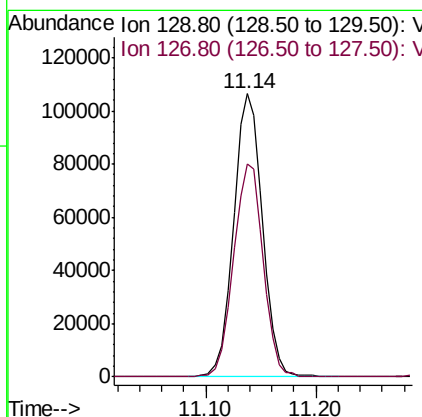
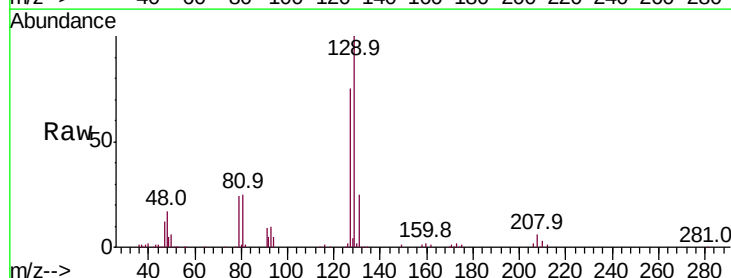
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

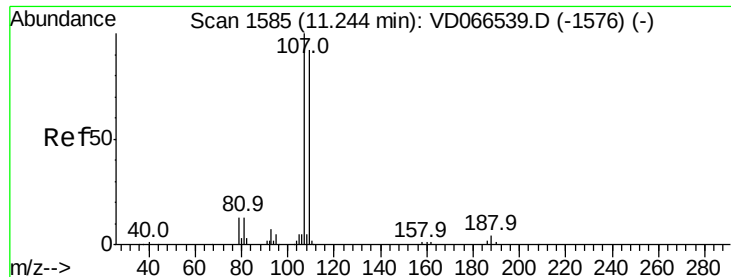
Tot Ion: 43 Resp: 423175
Ion Ratio Lower Upper
43 100
58 51.5 25.6 76.8



#60
Dibromochloromethane
Concen: 48.210 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion: 129 Resp: 194712
Ion Ratio Lower Upper
129 100
127 77.1 39.5 118.3

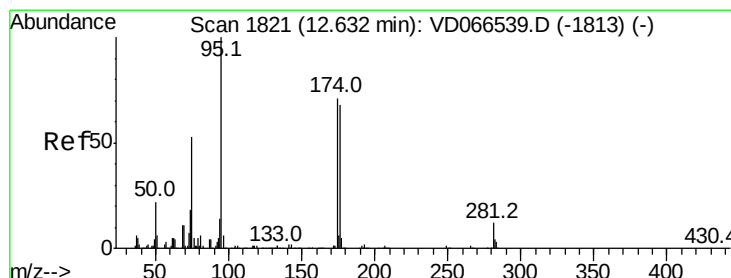
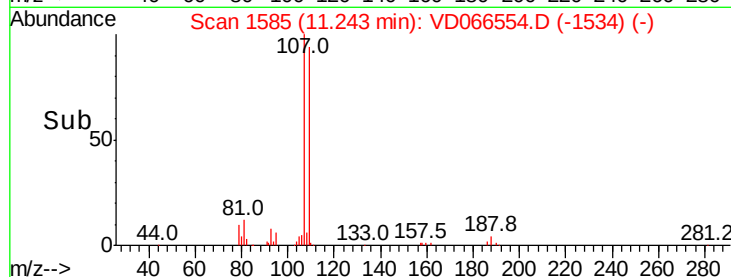
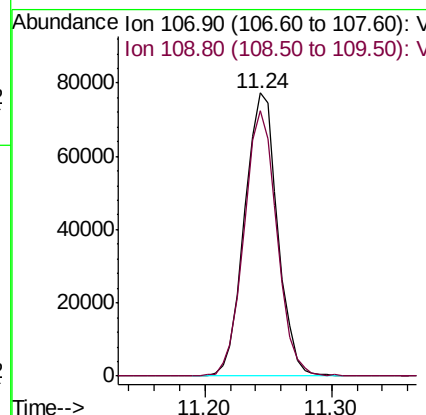
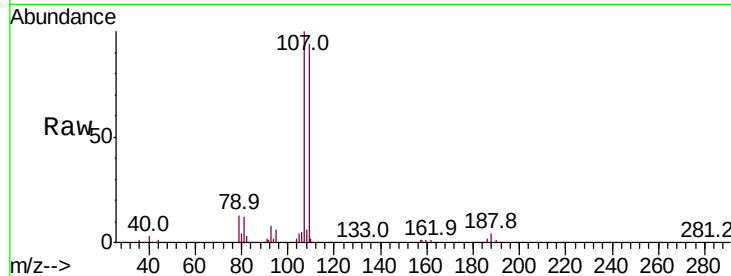




#61
 1,2-Dibromoethane
 Concen: 47.022 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

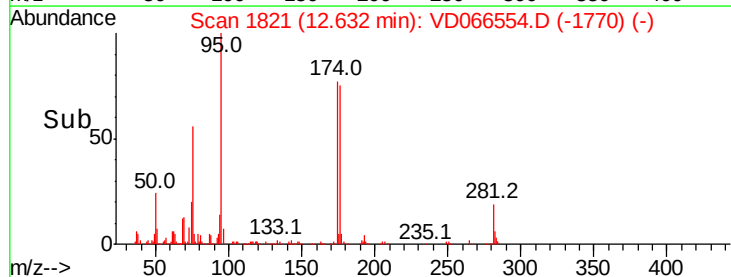
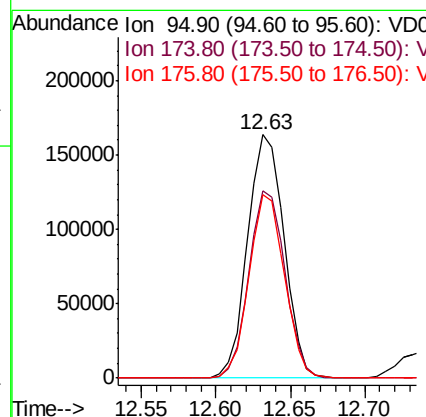
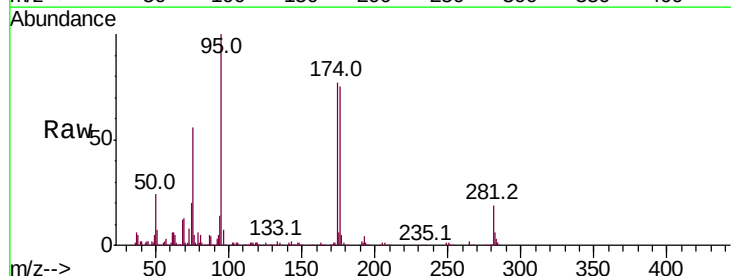
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

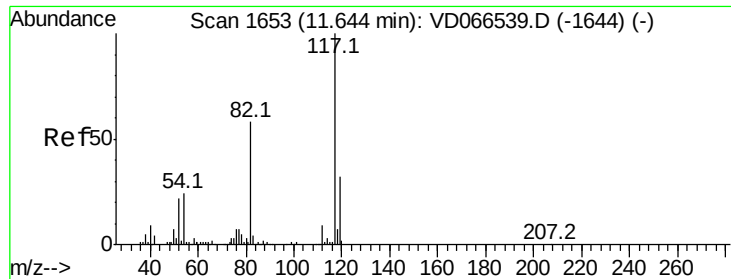
Tot Ion: 107 Resp: 139724
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 57.529 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion: 95 Resp: 276292
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 155.8
 176 73.4 0.0 148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

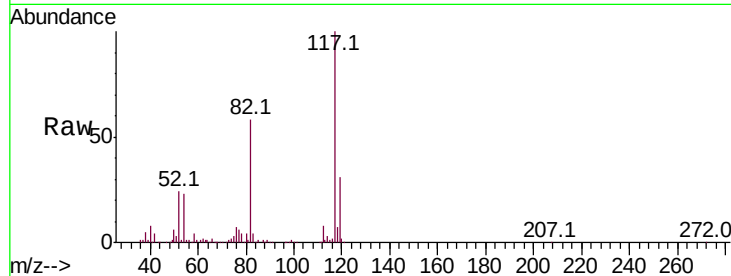
Tot Ion:117 Resp: 550396

Ion Ratio Lower Upper

117 100

82 58.0 46.2 69.2

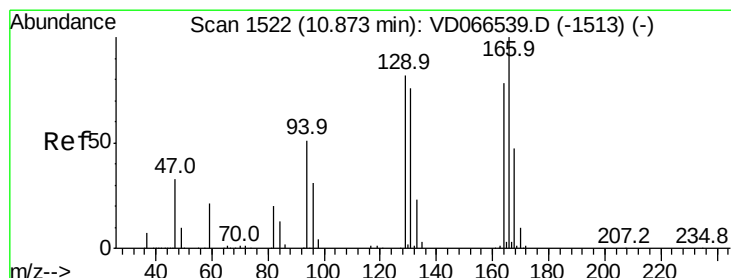
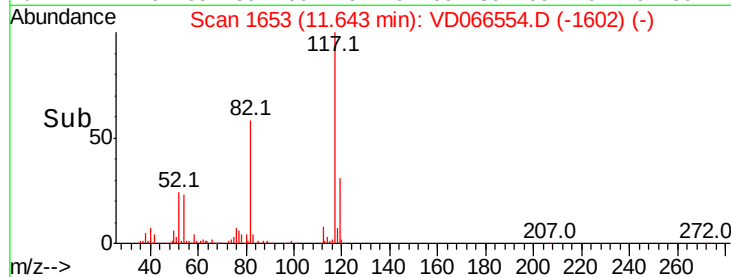
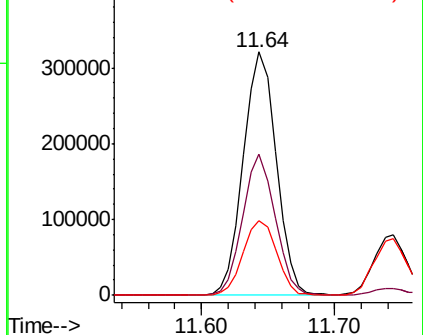
119 30.7 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.891 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion:164 Resp: 177475

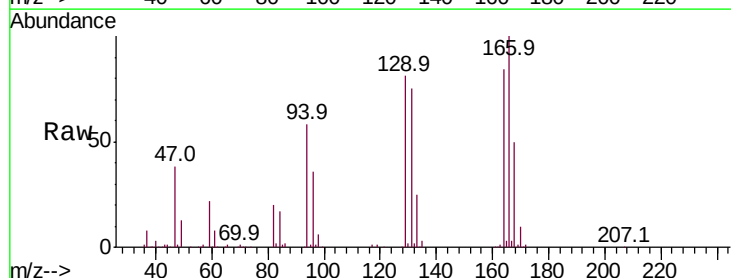
Ion Ratio Lower Upper

164 100

166 118.9 103.2 154.8

129 96.4 84.5 126.7

131 88.8 78.9 118.3

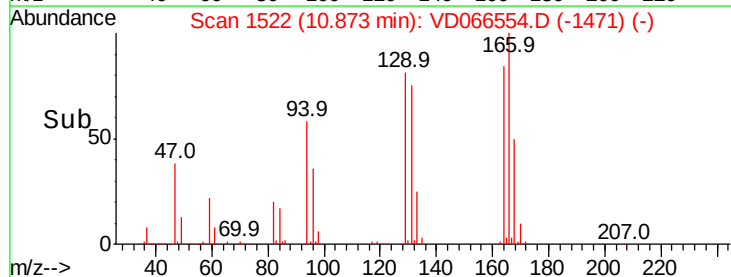
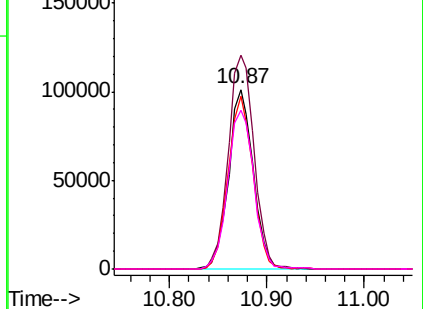


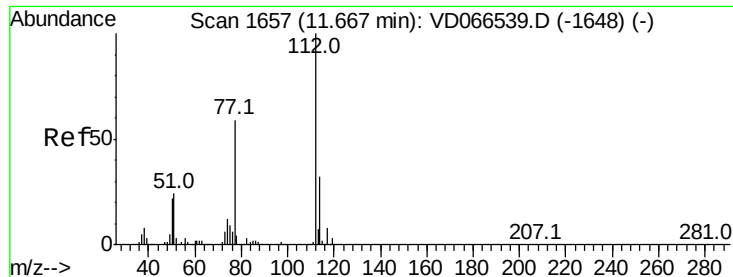
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 47.781 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

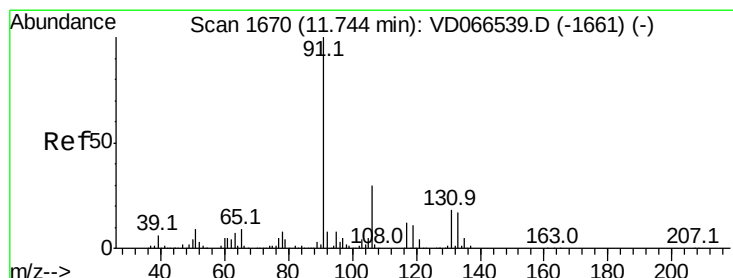
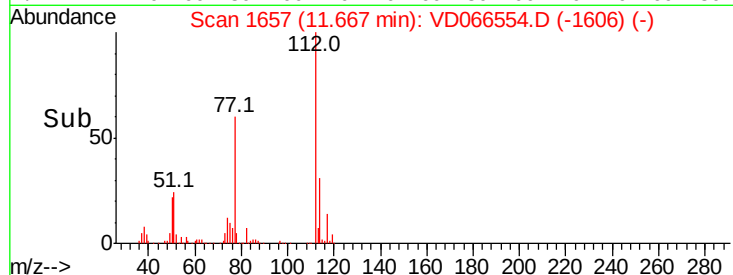
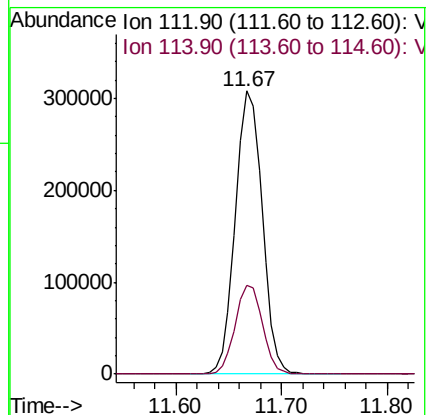
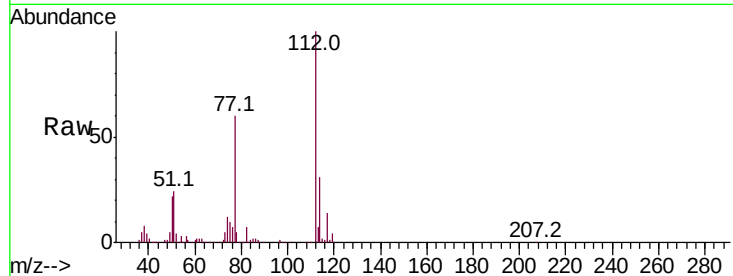
VSTDCCC050

Tot Ion:112 Resp: 542786

Ion Ratio Lower Upper

112 100

114 31.4 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 47.247 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

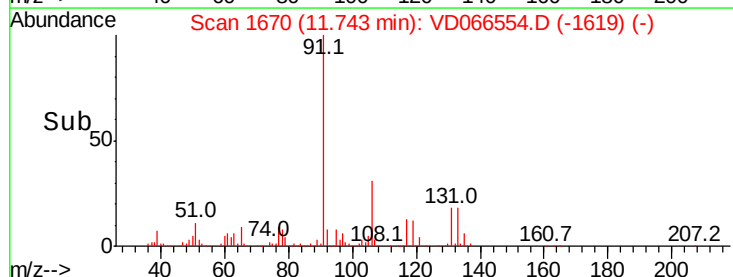
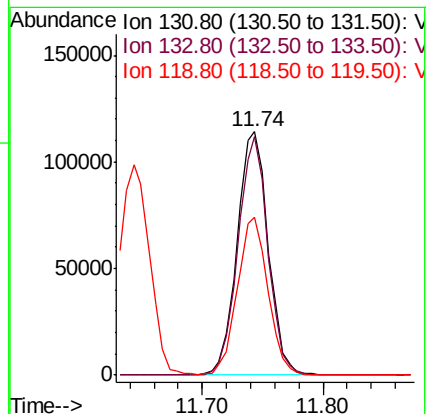
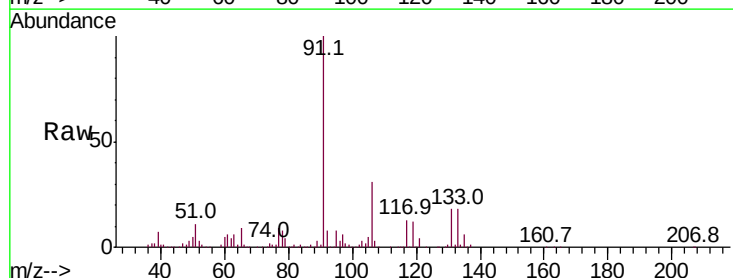
Tgt Ion:131 Resp: 204838

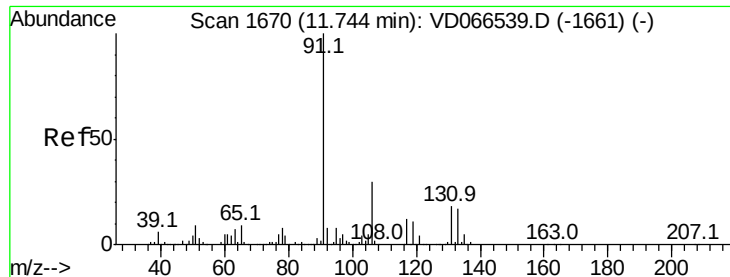
Ion Ratio Lower Upper

131 100

133 94.3 46.7 140.0

119 64.0 31.9 95.7





#67

Ethyl Benzene

Concen: 49.286 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

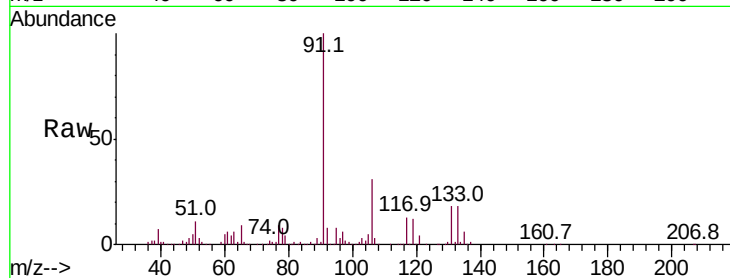
VSTDCCC050

Tot Ion: 91 Resp: 1028042

Ion Ratio Lower Upper

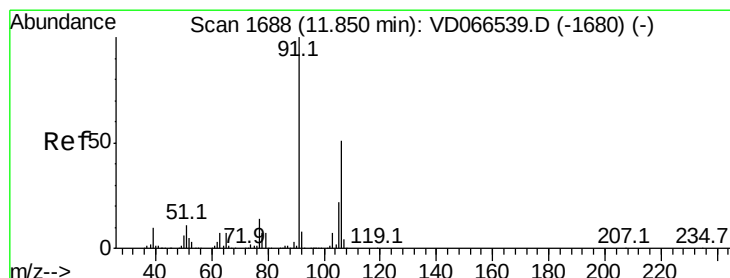
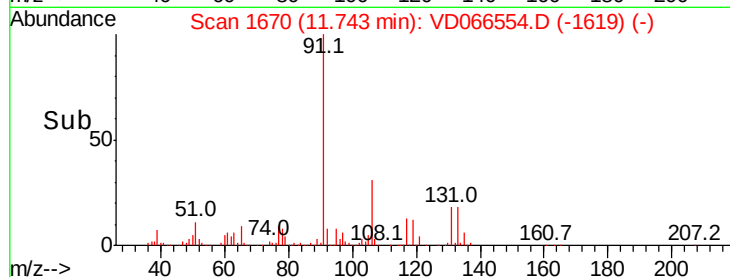
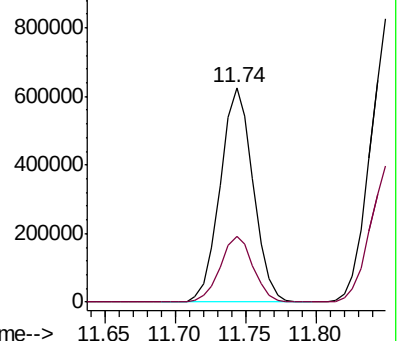
91 100

106 30.5 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.665 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066554.D

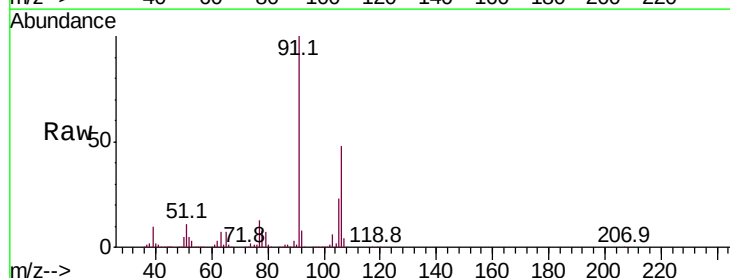
Acq: 04 Sep 2020 11:01

Tgt Ion:106 Resp: 779644

Ion Ratio Lower Upper

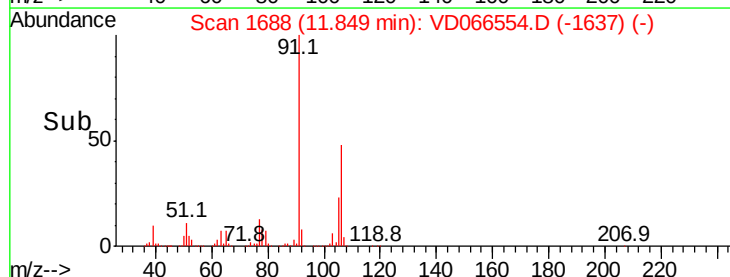
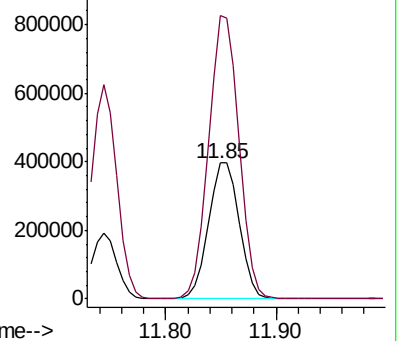
106 100

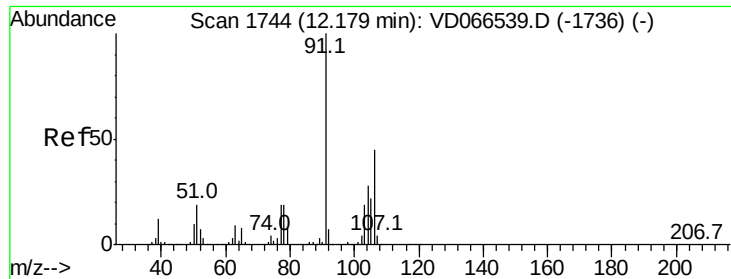
91 205.0 162.4 243.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

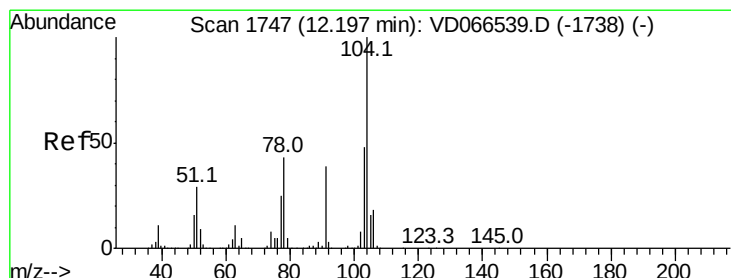
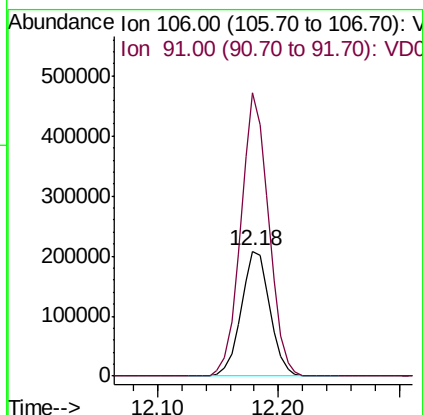
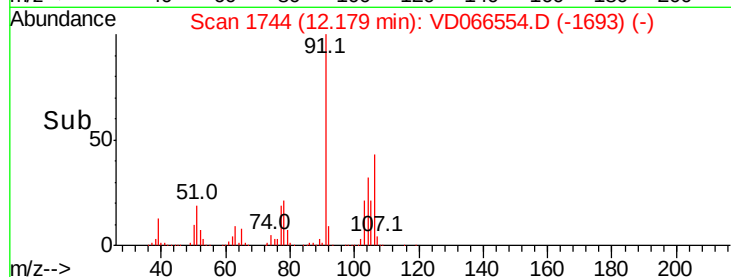
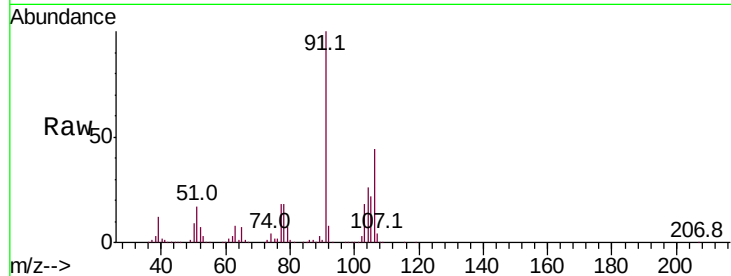




#69
o-Xylene
Concen: 49.686 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

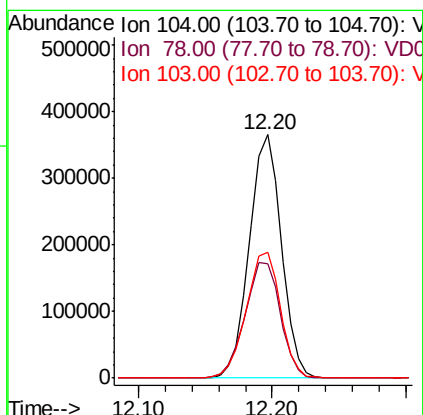
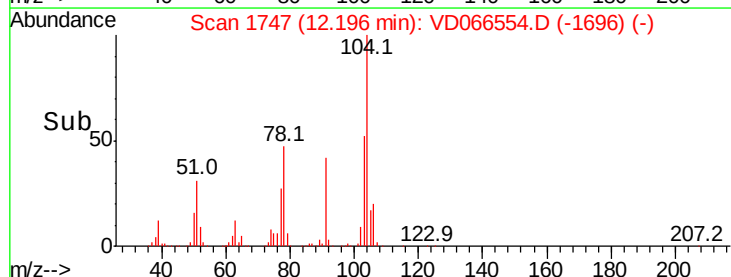
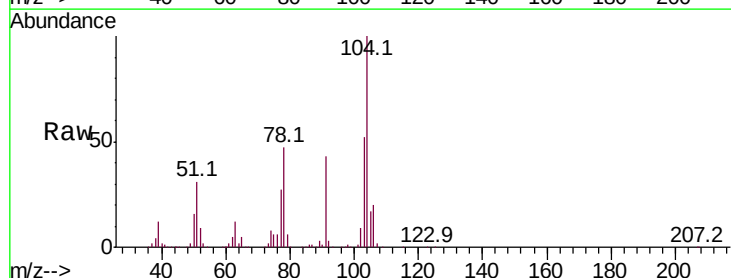
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

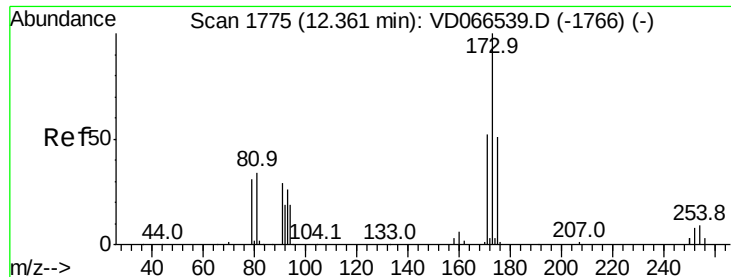
Tot Ion:106 Resp: 344864
Ion Ratio Lower Upper
106 100
91 219.9 107.9 323.8



#70
Styrene
Concen: 50.136 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion:104 Resp: 604990
Ion Ratio Lower Upper
104 100
78 52.7 40.7 61.1
103 55.5 42.9 64.3





#71

Bromoform

Concen: 45.873 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

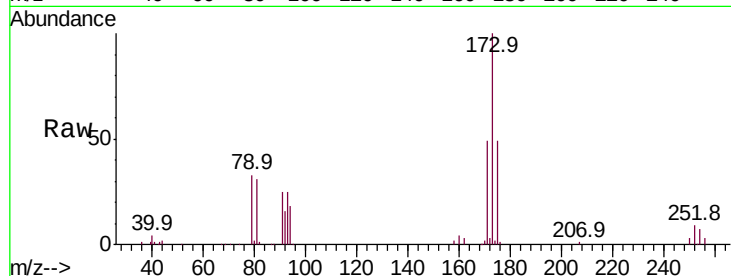
Tot Ion:173 Resp: 100229

Ion Ratio Lower Upper

173 100

175 52.6 24.2 72.6

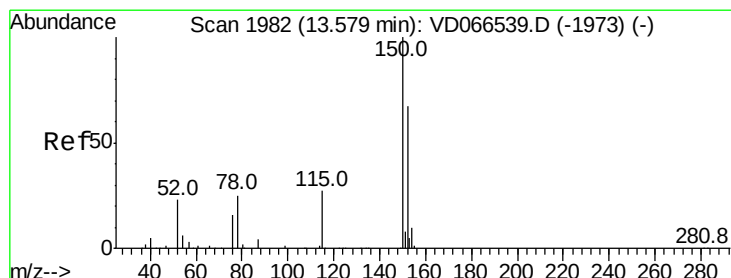
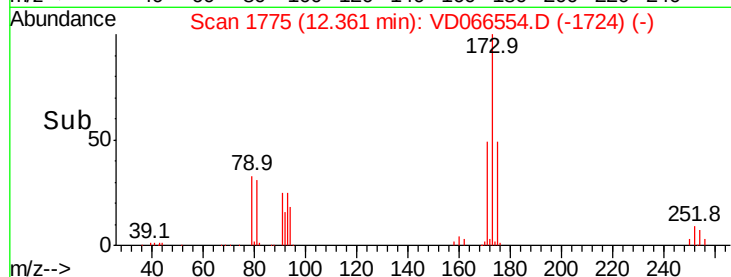
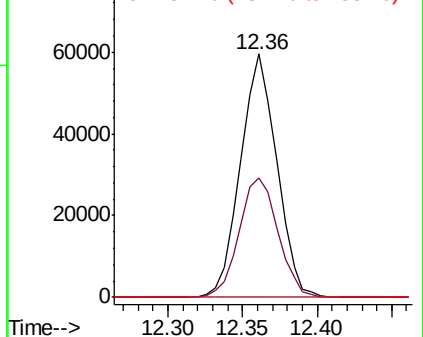
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

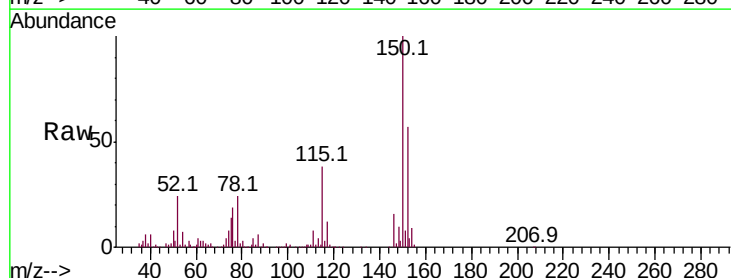
Tgt Ion:152 Resp: 250331

Ion Ratio Lower Upper

152 100

115 63.3 30.4 91.2

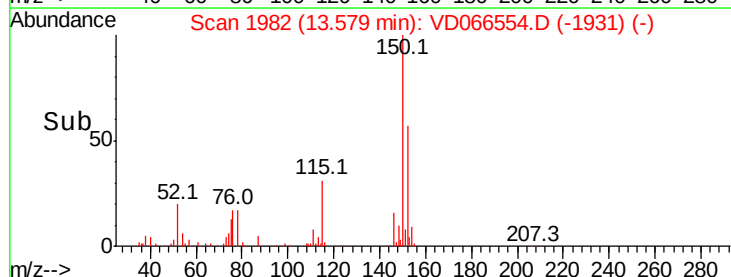
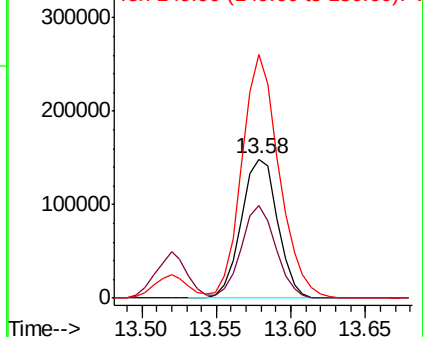
150 179.5 0.0 345.8

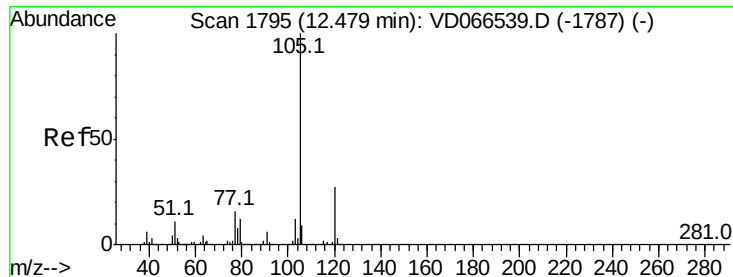


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.841 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

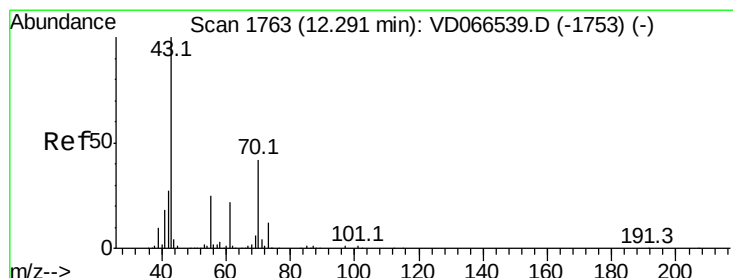
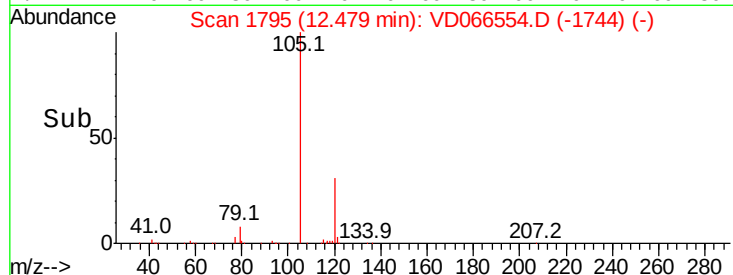
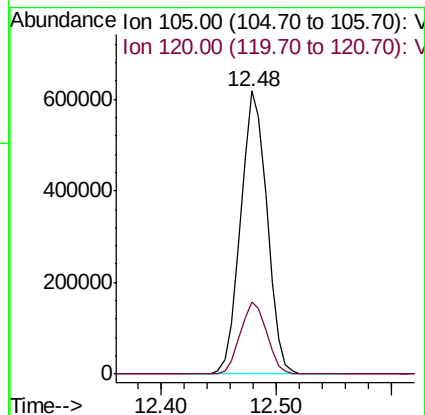
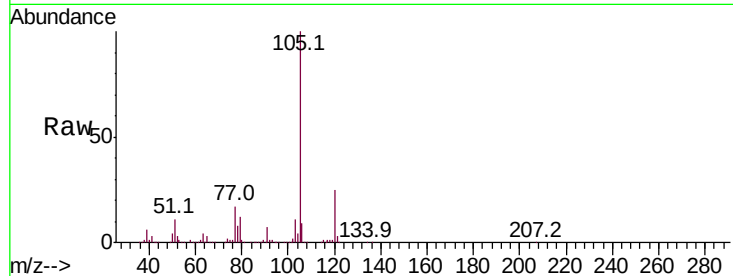
VSTDCCC050

Tot Ion:105 Resp: 979368

Ion Ratio Lower Upper

105 100

120 25.6 13.0 39.0



#74

N-ethyl acetate

Concen: 49.906 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion: 43 Resp: 209496

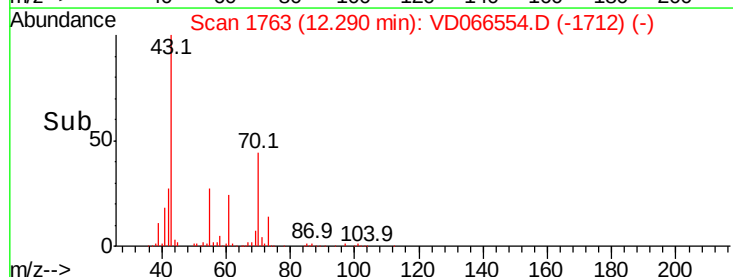
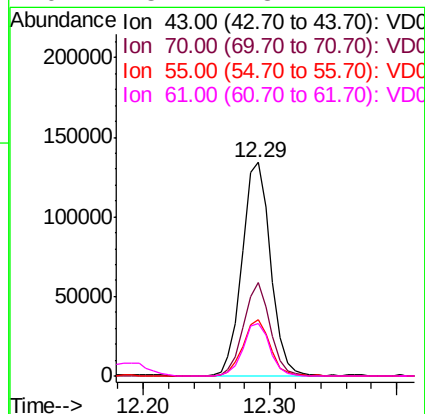
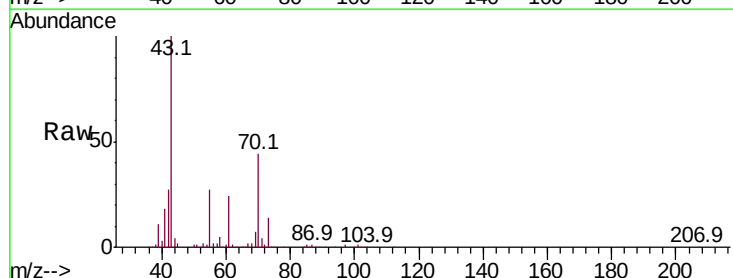
Ion Ratio Lower Upper

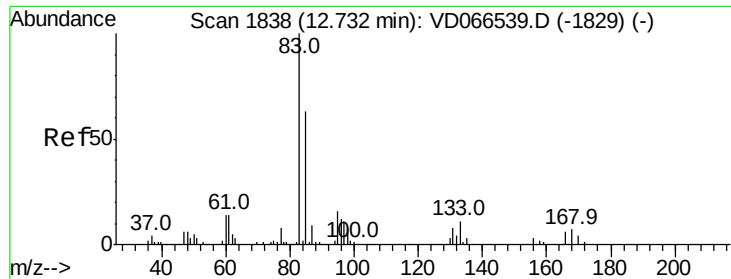
43 100

70 40.5 33.4 50.2

55 25.2 20.1 30.1

61 23.1 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.137 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

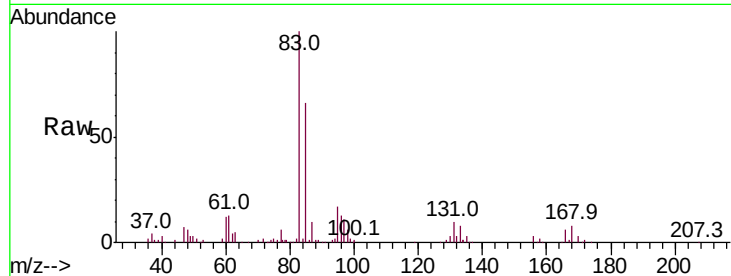
Tot Ion: 83 Resp: 157618

Ion Ratio Lower Upper

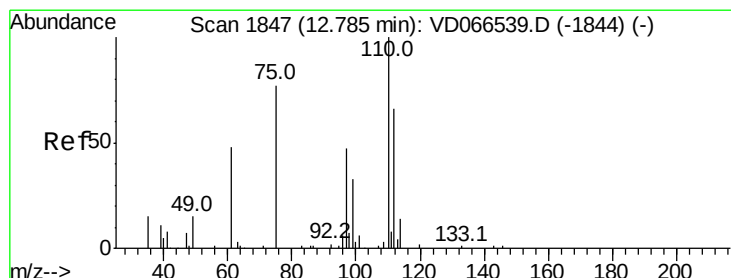
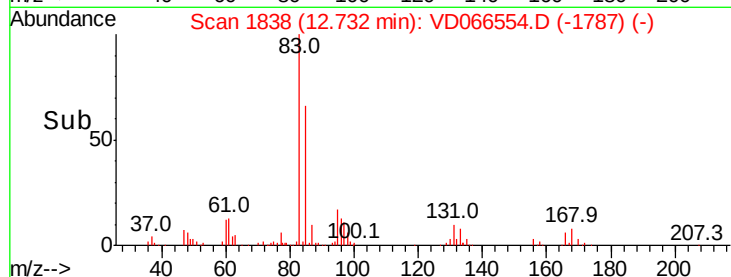
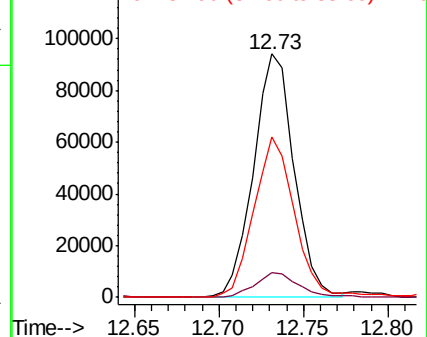
83 100

131 11.0 5.0 15.0

85 66.4 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: 91.098 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066554.D

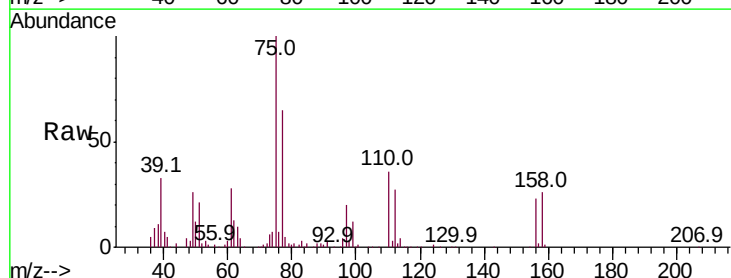
Acq: 04 Sep 2020 11:01

Tgt Ion: 75 Resp: 219320

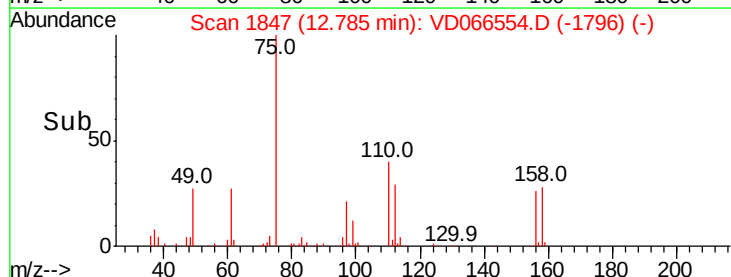
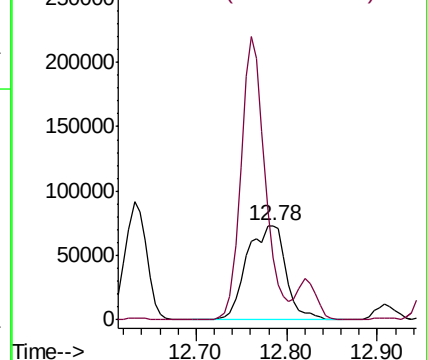
Ion Ratio Lower Upper

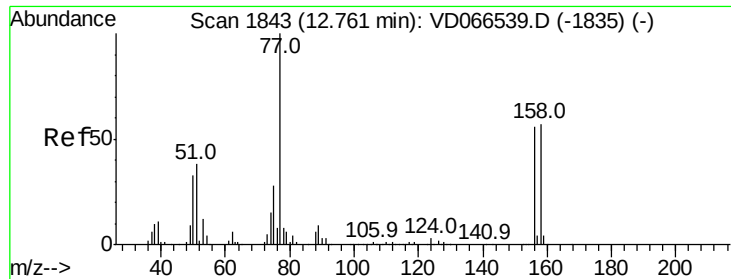
75 100

77 0.0 0.0 0.0



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

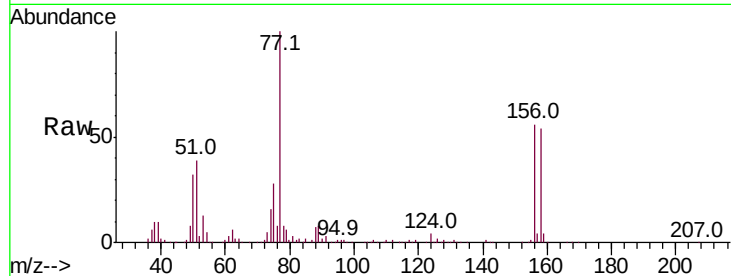




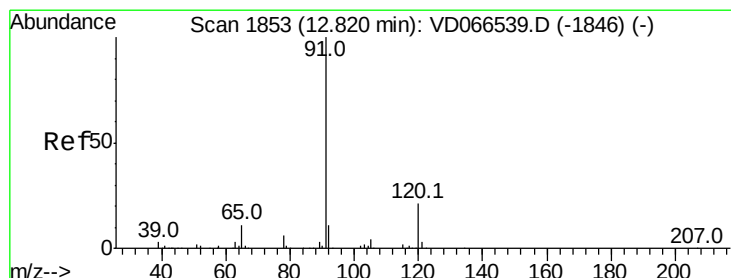
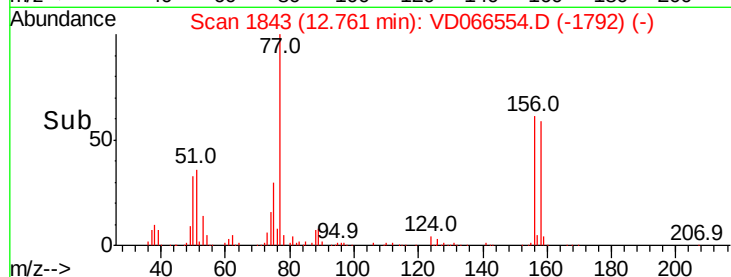
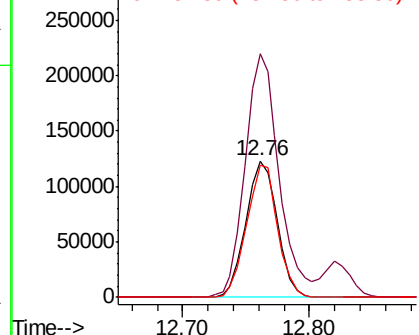
#77
Bromobenzene
Concen: 51.197 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 211552
Ion Ratio Lower Upper
156 100
77 192.7 98.0 294.1
158 95.5 48.1 144.3

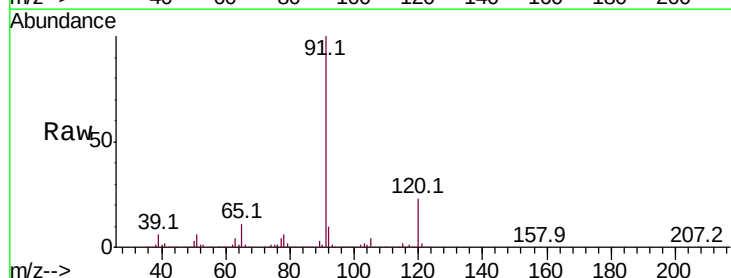


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

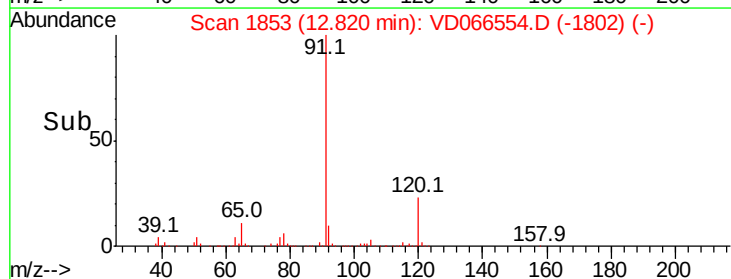
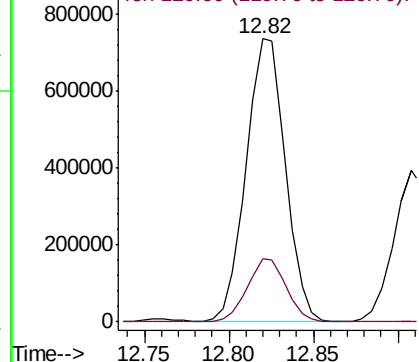


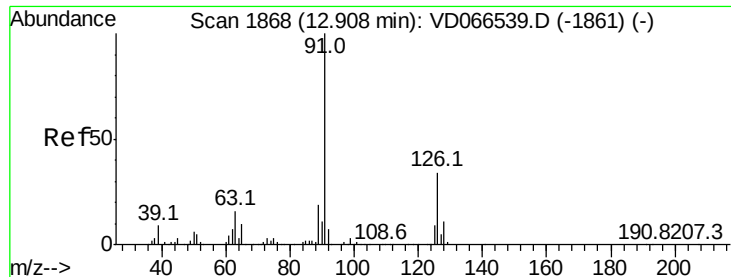
#78
n-propylbenzene
Concen: 53.058 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion: 91 Resp: 1192120
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.648 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

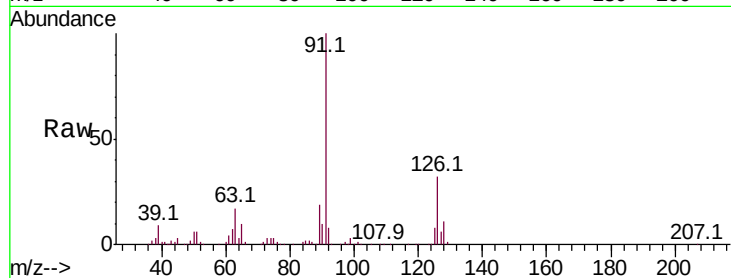
VSTDCCC050

Tot Ion: 91 Resp: 650999

Ion Ratio Lower Upper

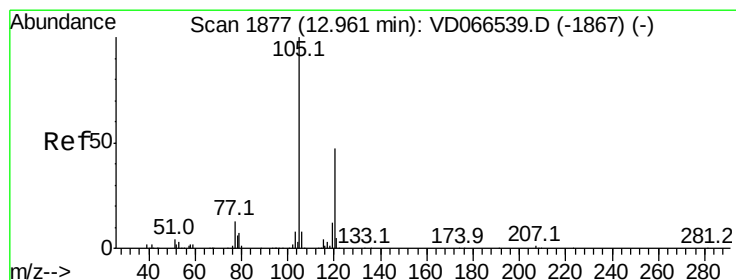
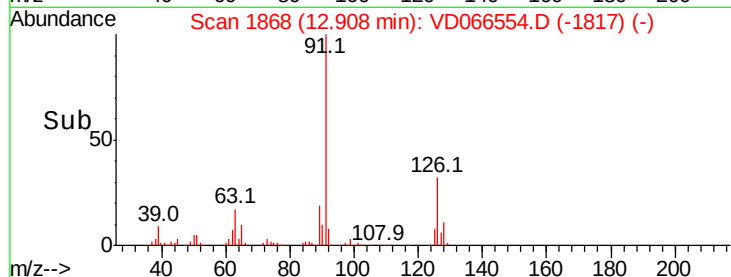
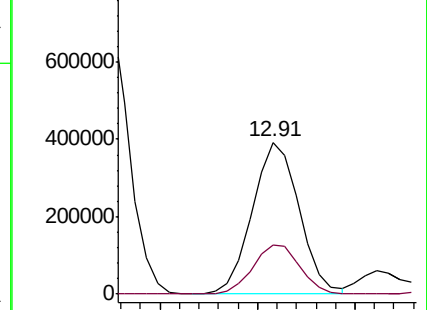
91 100

126 32.7 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.159 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066554.D

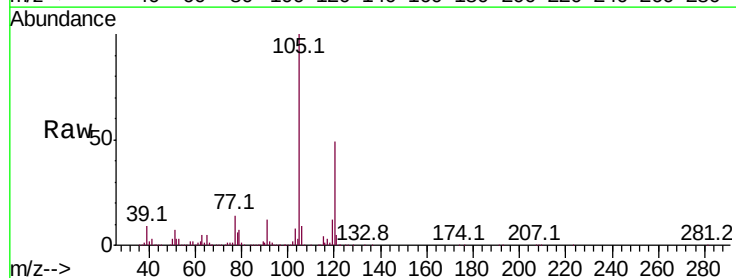
Acq: 04 Sep 2020 11:01

Tgt Ion:105 Resp: 813659

Ion Ratio Lower Upper

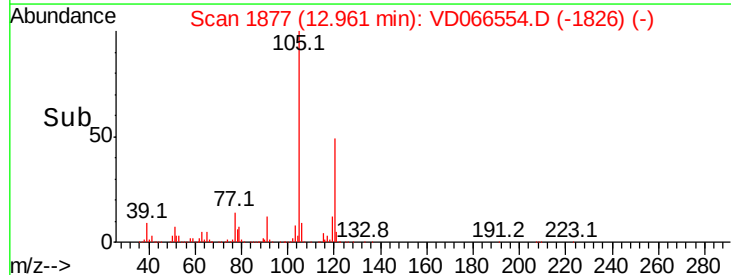
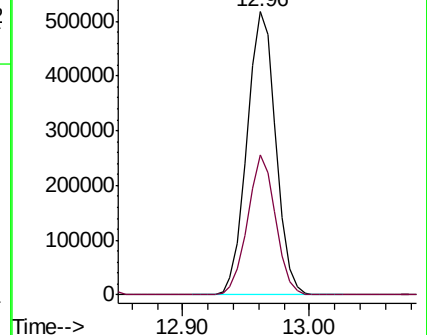
105 100

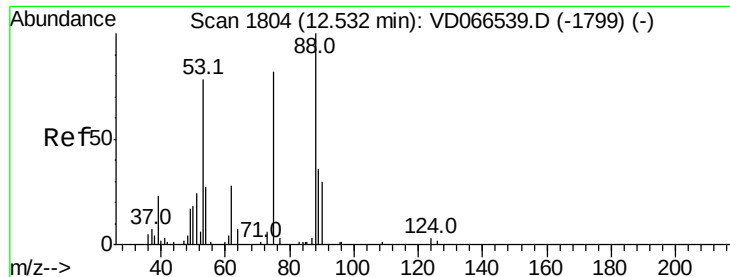
120 48.2 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.666 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

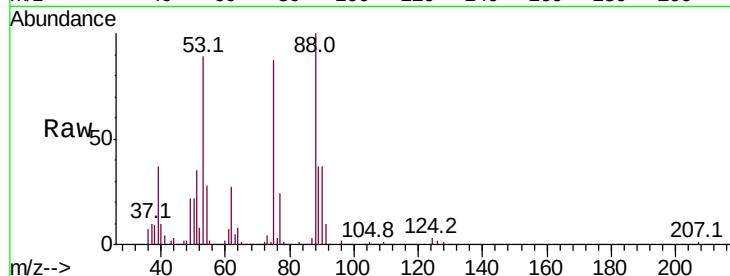
Tot Ion: 75 Resp: 51216

Ion Ratio Lower Upper

75 100

53 105.7 87.0 130.4

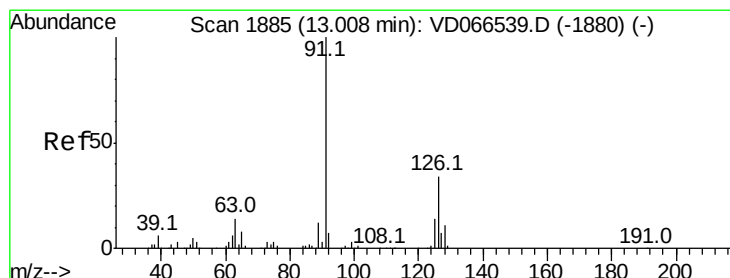
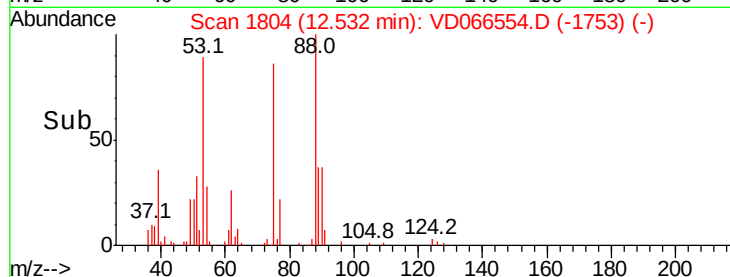
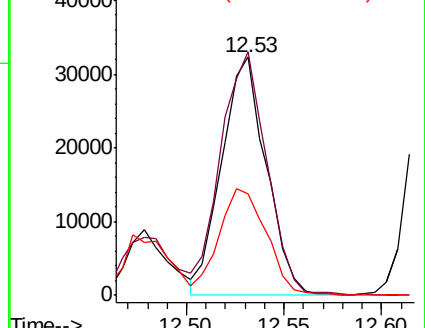
89 47.8 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.123 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066554.D

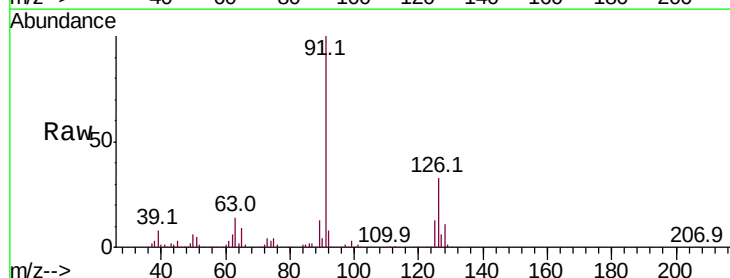
Acq: 04 Sep 2020 11:01

Tgt Ion: 91 Resp: 689080

Ion Ratio Lower Upper

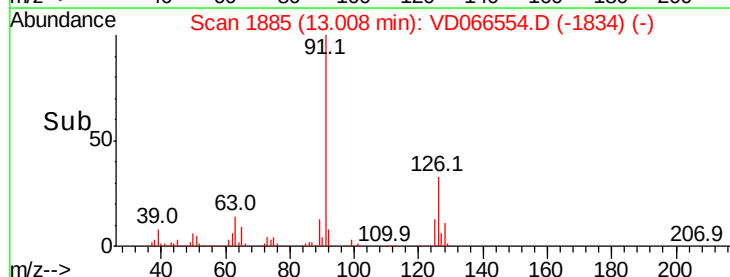
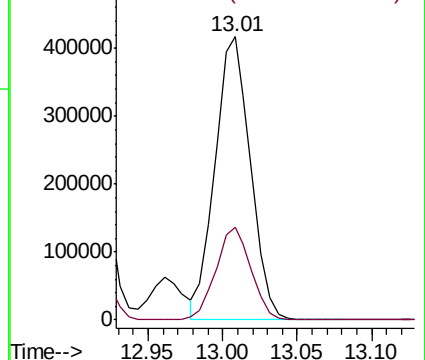
91 100

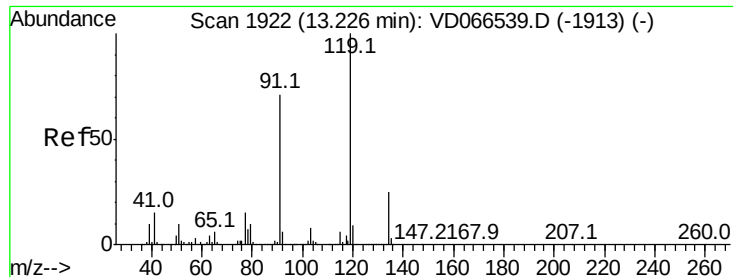
126 32.6 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.828 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

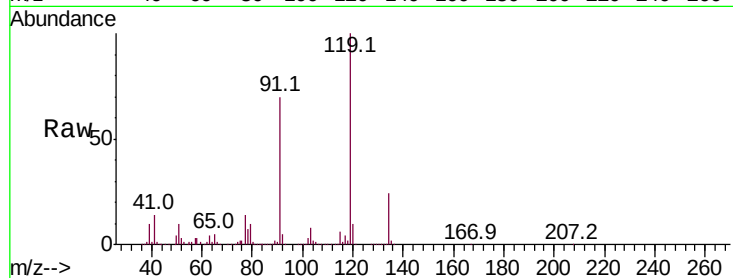
Tot Ion:119 Resp: 672967

Ion Ratio Lower Upper

119 100

91 69.6 35.2 105.6

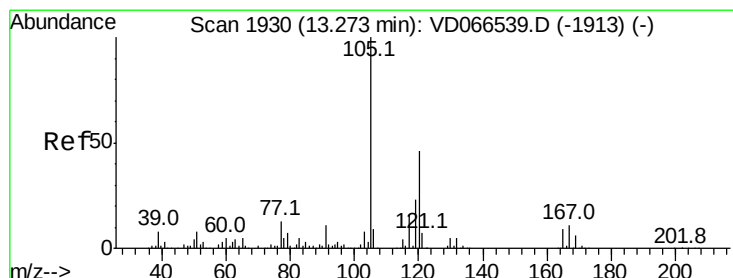
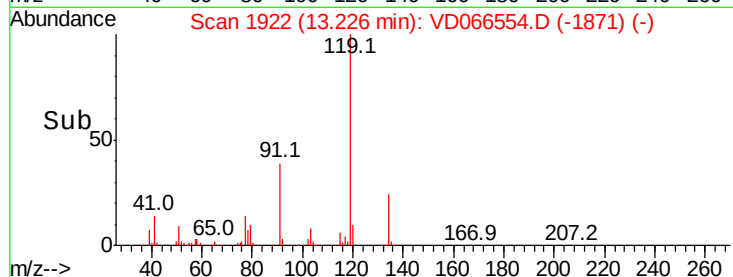
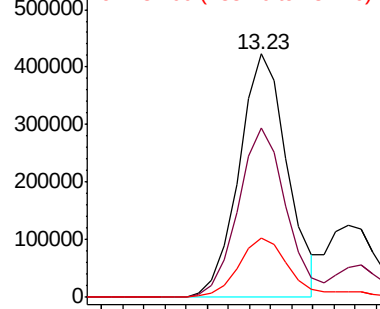
134 26.8 13.5 40.5



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: 52.969 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066554.D

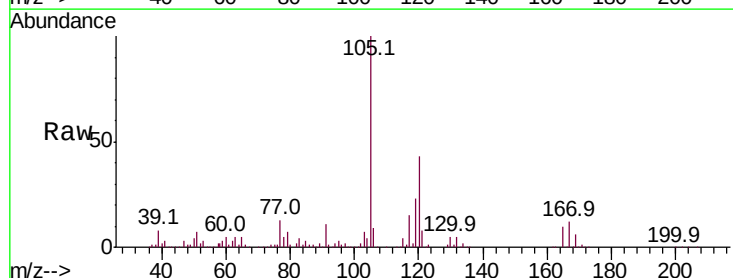
Acq: 04 Sep 2020 11:01

Tgt Ion:105 Resp: 822672

Ion Ratio Lower Upper

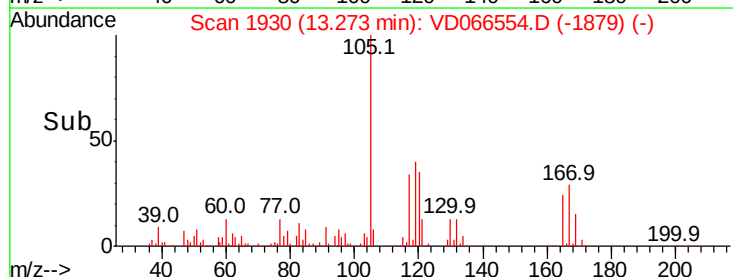
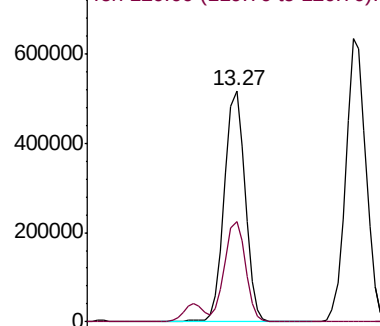
105 100

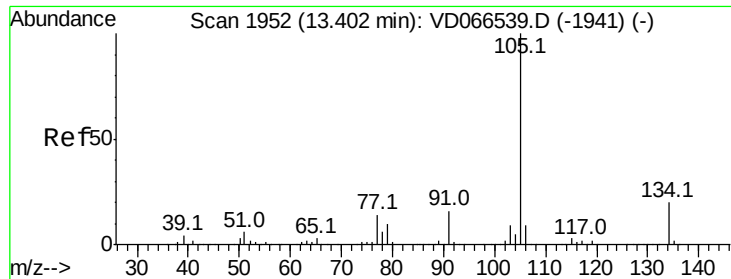
120 43.7 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.754 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

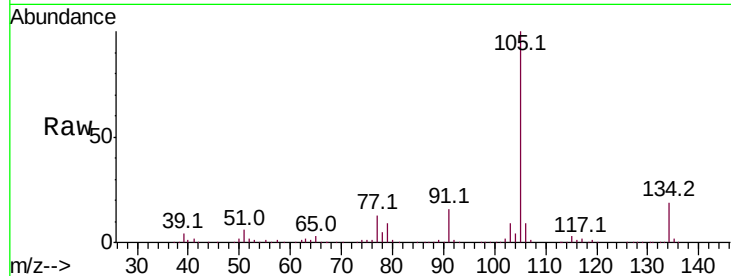
VSTDCCC050

Tot Ion:105 Resp: 986566

Ion Ratio Lower Upper

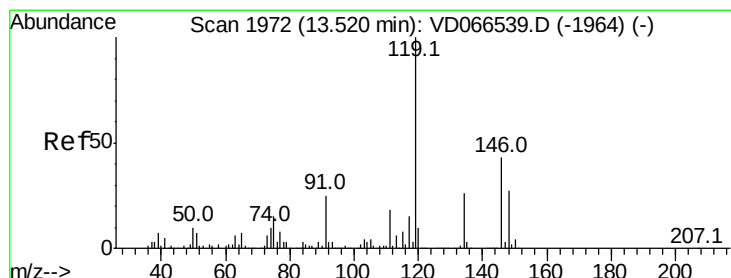
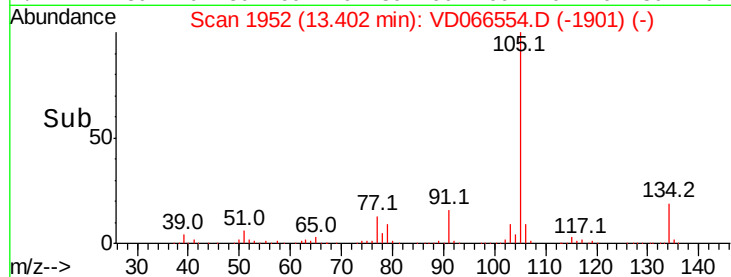
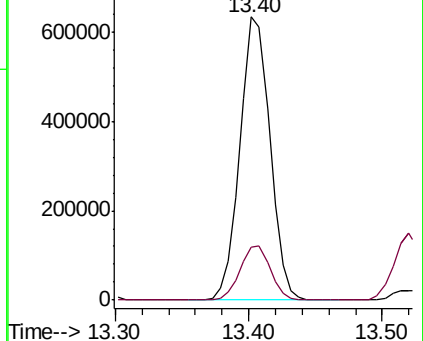
105 100

134 19.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.047 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

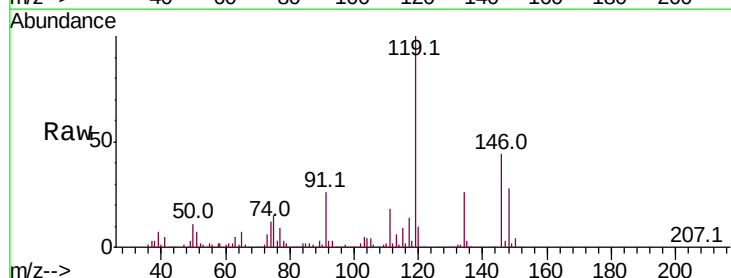
Tgt Ion:119 Resp: 876295

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

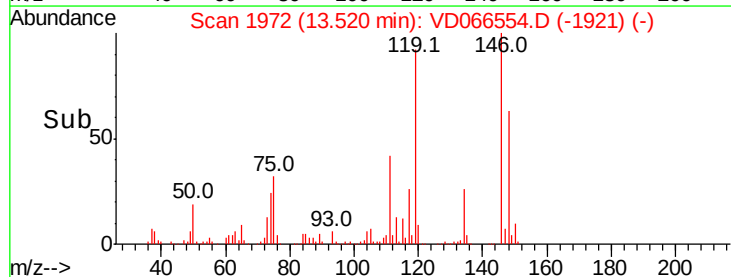
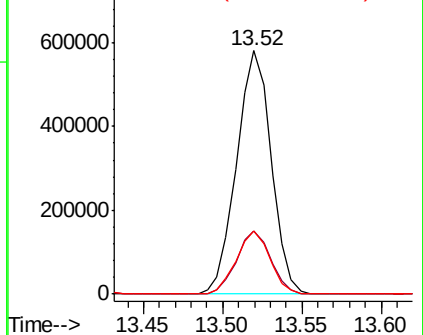
91 25.3 12.5 37.5

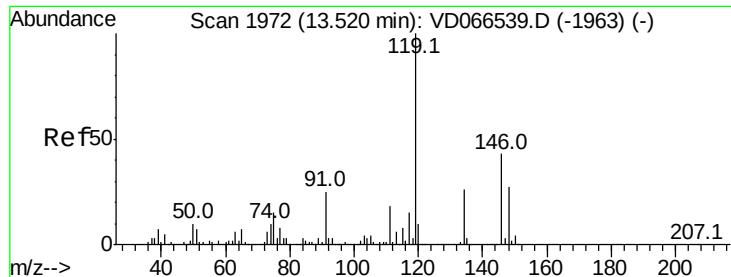


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.562 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

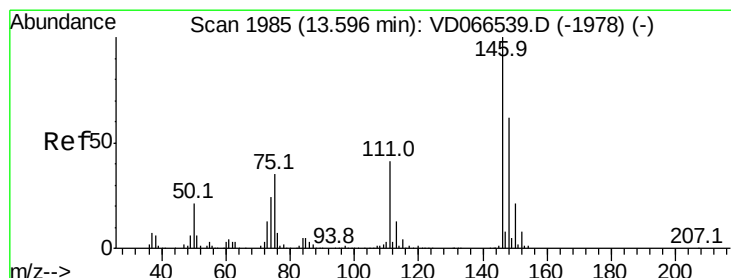
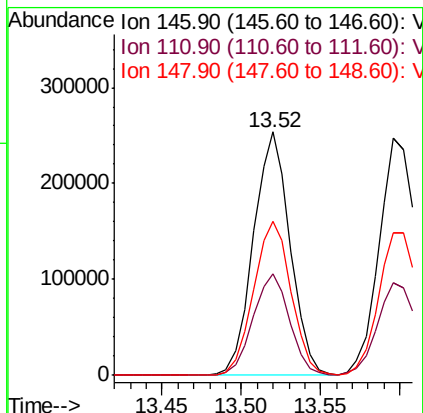
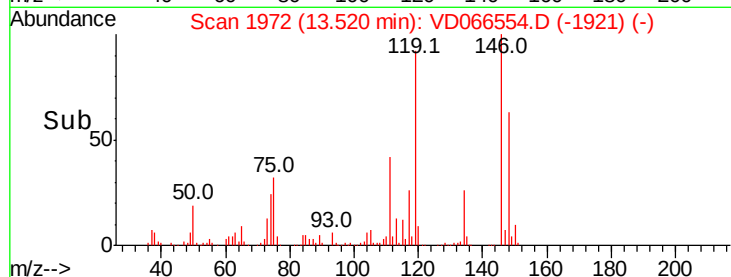
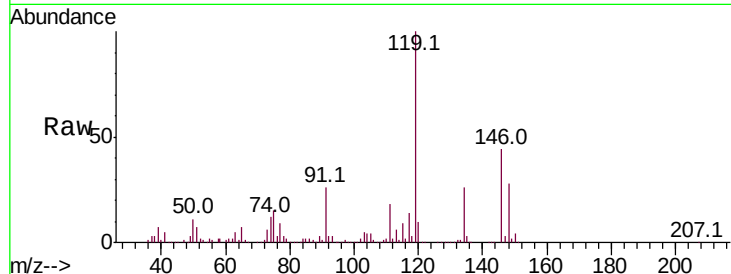
Tot Ion:146 Resp: 406572

Ion Ratio Lower Upper

146 100

111 41.8 20.6 61.9

148 64.9 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 49.109 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

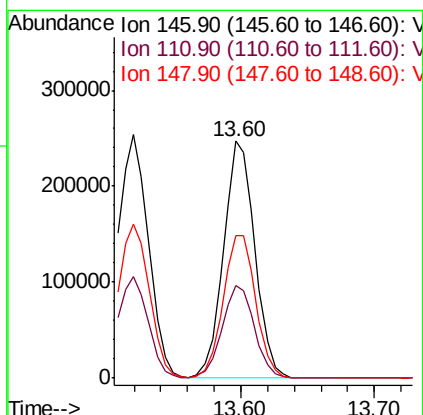
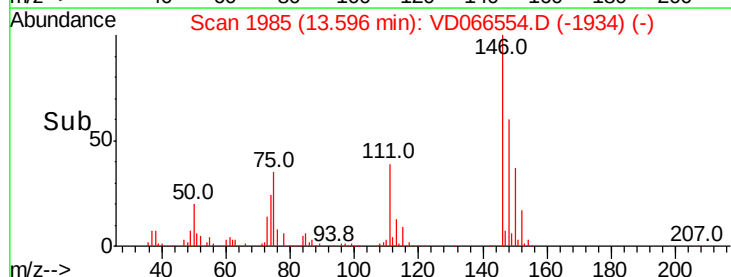
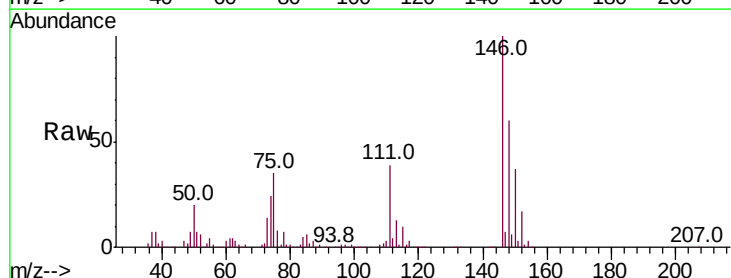
Tgt Ion:146 Resp: 404339

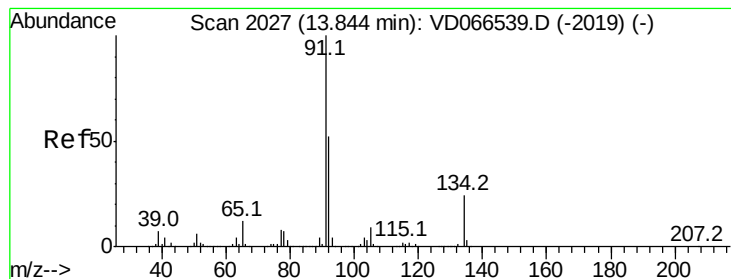
Ion Ratio Lower Upper

146 100

111 40.4 20.1 60.2

148 62.8 31.6 94.8





#89

n-Butylbenzene

Concen: 53.438 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

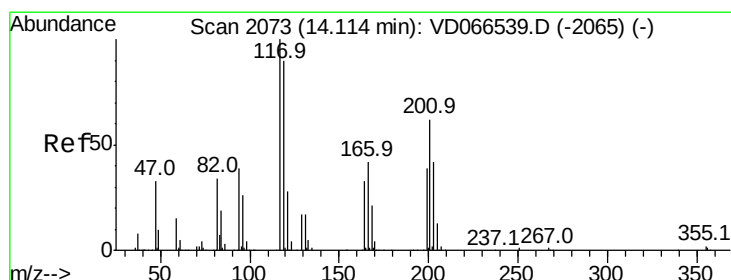
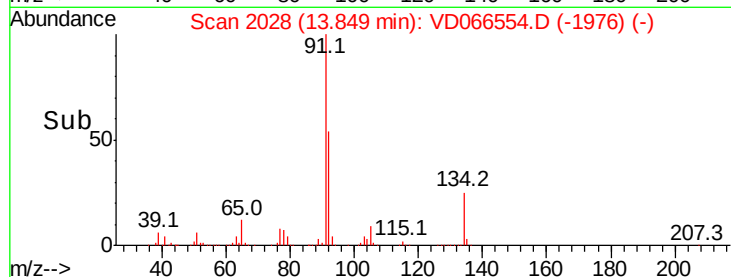
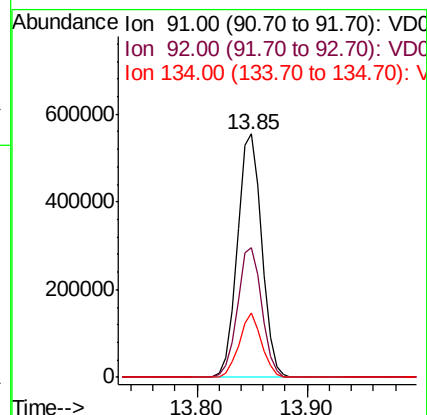
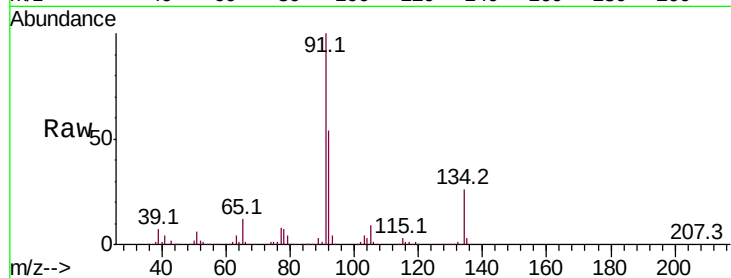
Tot Ion: 91 Resp: 860231

Ion Ratio Lower Upper

91 100

92 53.1 26.5 79.5

134 24.4 12.1 36.3



#90

Hexachloroethane

Concen: 49.071 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VD066554.D

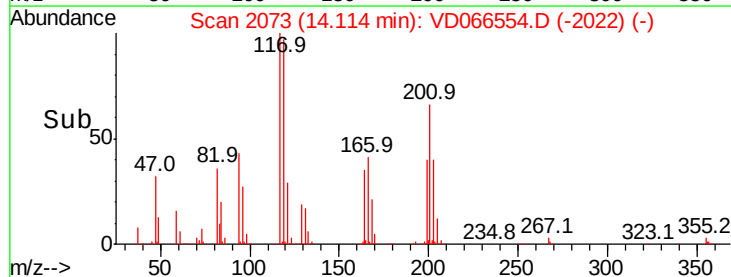
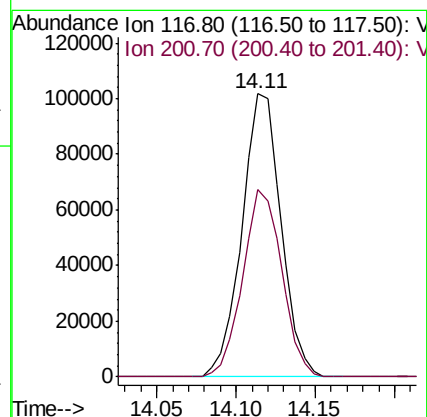
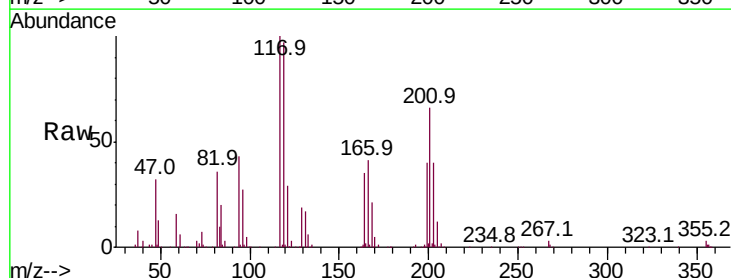
Acq: 04 Sep 2020 11:01

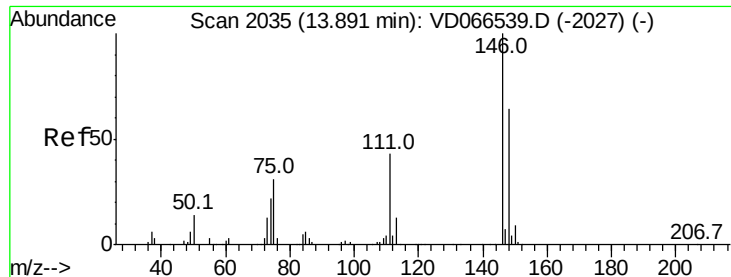
Tgt Ion: 117 Resp: 174662

Ion Ratio Lower Upper

117 100

201 66.3 31.9 95.5

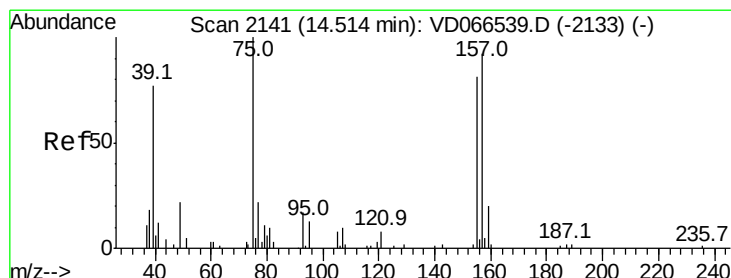
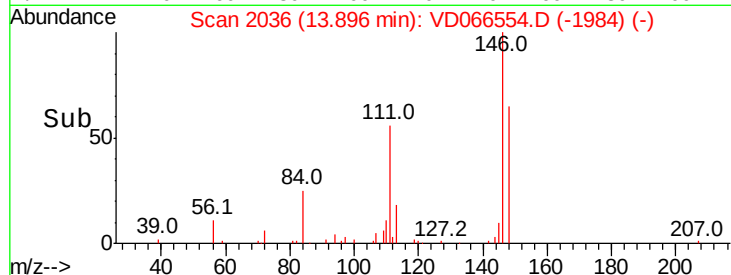
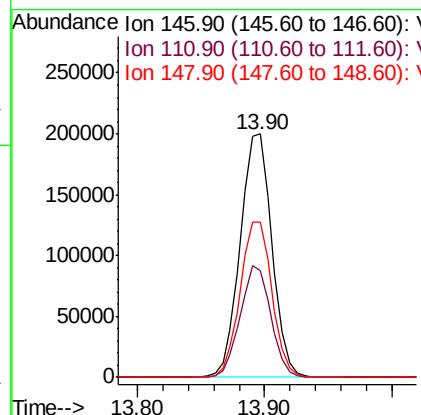
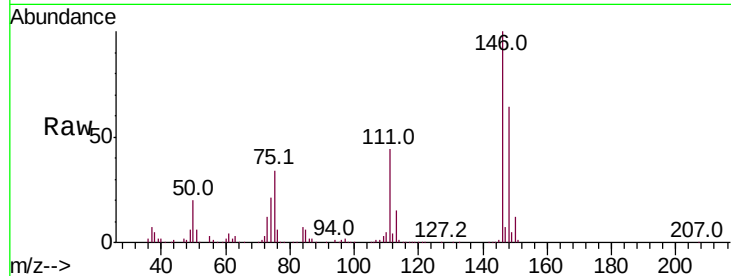




#91
 1,2-Dichlorobenzene
 Concen: 48.160 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

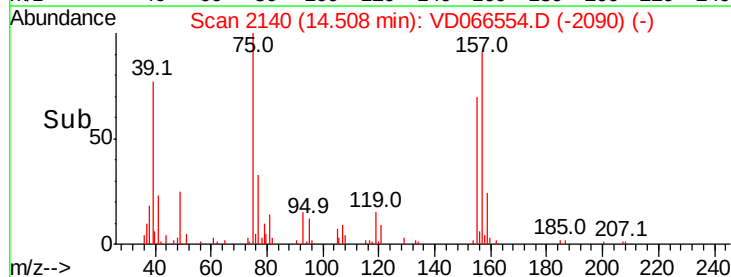
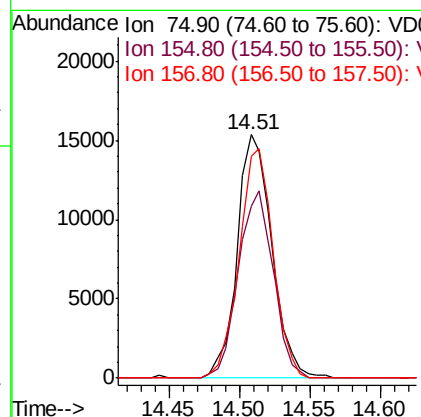
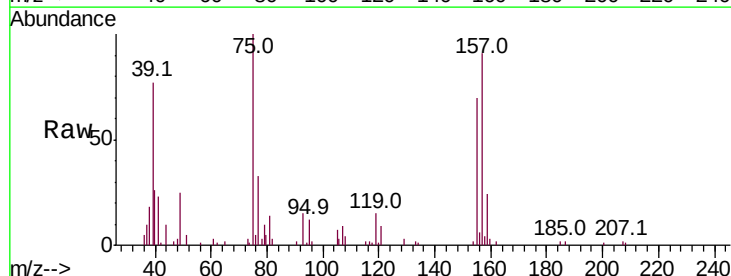
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

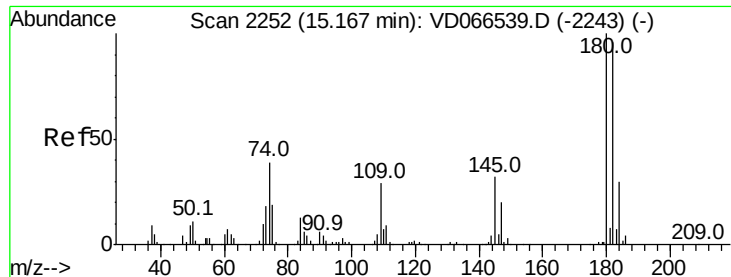
Tot Ion:146 Resp: 345314
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.1 63.4
 148 64.4 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.312 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion: 75 Resp: 26316
 Ion Ratio Lower Upper
 75 100
 155 77.6 39.3 117.8
 157 92.2 46.0 137.8

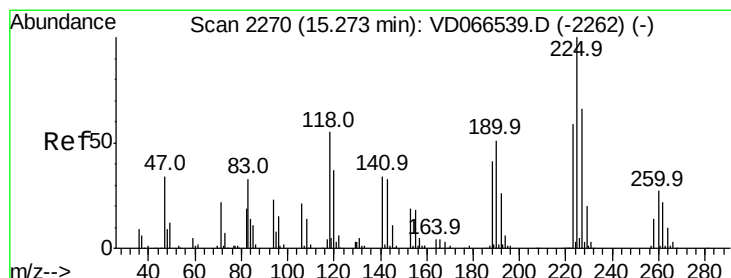
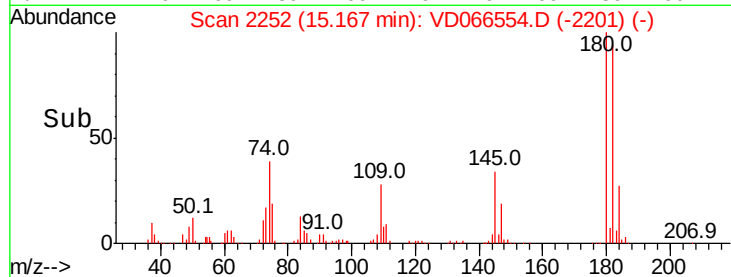
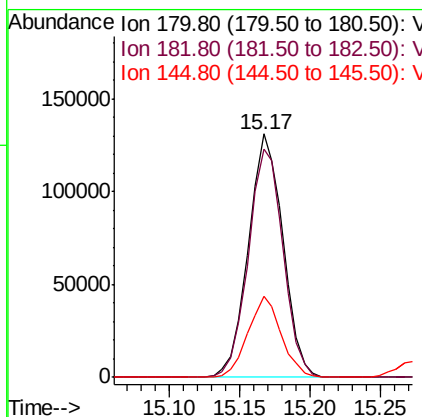
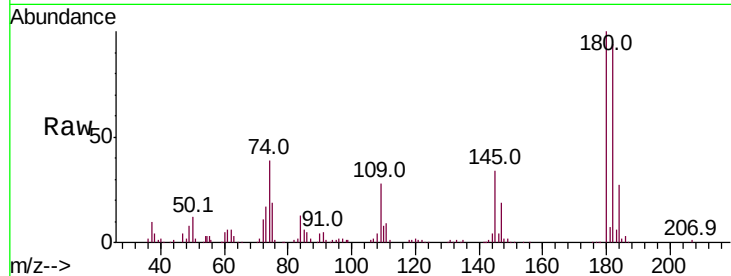




#93
 1,2,4-Trichlorobenzene
 Concen: 52.189 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

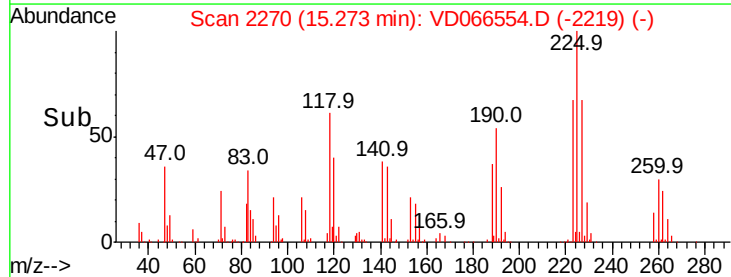
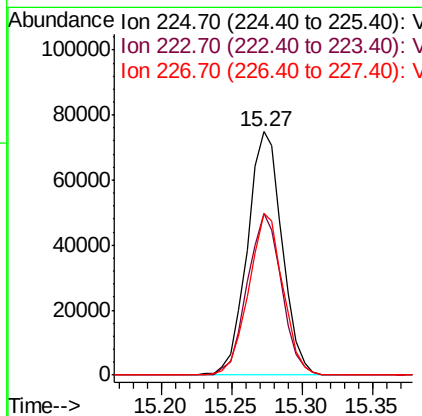
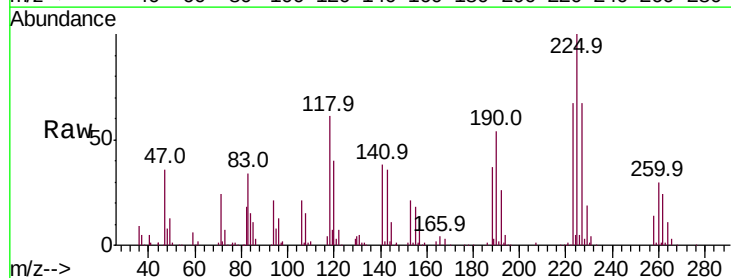
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

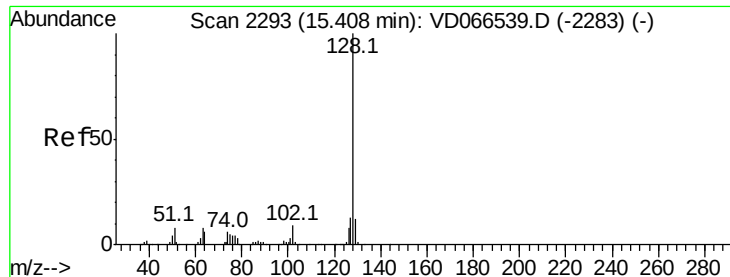
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.4	145.0
145	32.3	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 49.876 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	30.5	91.5
227	65.3	32.4	97.2





#95

Naphthalene

Concen: 53.357 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

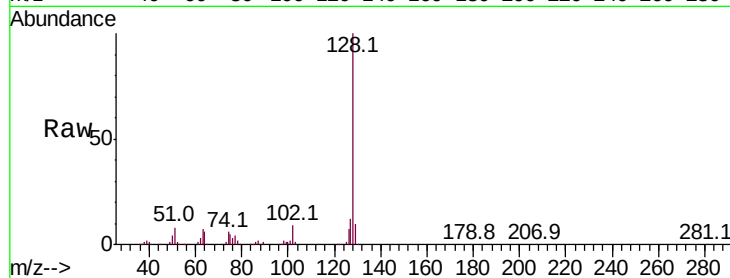
Tot Ion:128 Resp: 401223

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

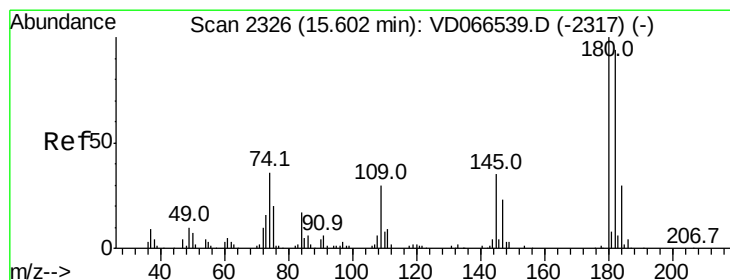
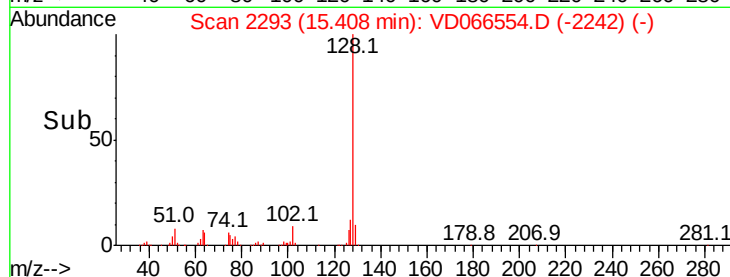
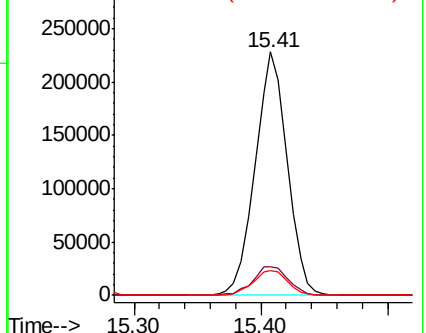
129 11.0 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.314 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

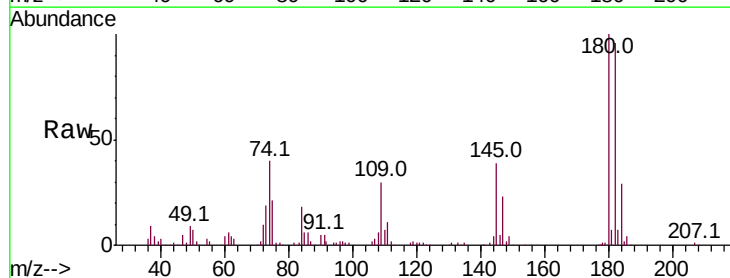
Tgt Ion:180 Resp: 191926

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.6

145 35.2 17.3 51.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

