

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066715.D
 Acq On : 16 Sep 2020 13:15
 Operator : VA/SY
 Sample : VD0916SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Quant Time: Sep 17 00:50:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	410512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	690556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	617722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236792	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
35) Dibromofluoromethane	7.91	113	221329	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.34	98	814357	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.63	95	278412	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76124	22.443	ug/l	90
3) Chloromethane	2.21	50	93686	20.972	ug/l	99
4) Vinyl Chloride	2.35	62	95834	20.498	ug/l	90
5) Bromomethane	2.76	94	71884	21.674	ug/l	94
6) Chloroethane	2.92	64	58633	20.131	ug/l	89
7) Trichlorofluoromethane	3.27	101	164690	20.394	ug/l	95
8) Diethyl Ether	3.71	74	40003	19.783	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	86936	19.589	ug/l	96
10) Methyl Iodide	4.30	142	78681	18.686	ug/l	97
11) Tert butyl alcohol	5.21	59	36895	84.242	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	81177	19.763	ug/l	94
13) Acrolein	3.93	56	29995	97.101	ug/l	93
14) Allyl chloride	4.71	41	130837	19.834	ug/l	99
15) Acrylonitrile	5.41	53	84520	95.414	ug/l	99
16) Acetone	4.15	43	80863	90.662	ug/l	97
17) Carbon Disulfide	4.41	76	268129	20.773	ug/l	97
18) Methyl Acetate	4.71	43	39673	18.573	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	183106	20.013	ug/l	94
20) Methylene Chloride	4.96	84	103252	16.621	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	98739	20.632	ug/l	98
22) Diisopropyl ether	6.36	45	275284	20.538	ug/l	95
23) Vinyl Acetate	6.30	43	755841	101.375	ug/l	100
24) 1,1-Dichloroethane	6.26	63	168115	19.765	ug/l	98
25) 2-Butanone	7.21	43	111900	96.348	ug/l	95
26) 2,2-Dichloropropane	7.20	77	155172	19.728	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	104799	20.017	ug/l	98
28) Bromochloromethane	7.55	49	72138	22.706	ug/l	100
29) Tetrahydrofuran	7.56	42	67625	95.167	ug/l	97
30) Chloroform	7.71	83	181046	19.999	ug/l	94
31) Cyclohexane	7.98	56	155288	20.071	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	168208	20.306	ug/l	98
36) 1,1-Dichloropropene	8.10	75	141936	19.991	ug/l	99
37) Ethyl Acetate	7.29	43	50760	18.885	ug/l #	95
38) Carbon Tetrachloride	8.09	117	151035	20.032	ug/l	98

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Quant Time: Sep 17 00:50:01 2020
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	152398	18.766	ug/l	96
40) Benzene	8.34	78	375258	19.536	ug/l	100
41) Methacrylonitrile	7.56	41	70759	49.726	ug/l #	31
42) 1,2-Dichloroethane	8.42	62	116087	19.508	ug/l	97
43) Isopropyl Acetate	8.45	43	98948	19.558	ug/l	99
44) Trichloroethene	9.11	130	99624	19.398	ug/l	99
45) 1,2-Dichloropropane	9.38	63	92845	19.552	ug/l	91
46) Dibromomethane	9.47	93	52347	20.061	ug/l	97
47) Bromodichloromethane	9.66	83	139950	19.683	ug/l	99
48) Methyl methacrylate	9.45	41	51011	19.823	ug/l	98
49) 1,4-Dioxane	9.46	88	10972	392.538	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	243900	93.642	ug/l	99
52) Toluene	10.40	92	243384	19.779	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	123489	19.441	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	147761	19.585	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	67985	19.761	ug/l	95
56) Ethyl methacrylate	10.66	69	73894	18.927	ug/l	95
57) 1,3-Dichloropropane	10.94	76	117963	19.538	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	190144	110.892	ug/l	98
59) 2-Hexanone	10.98	43	165306	94.457	ug/l	100
60) Dibromochloromethane	11.14	129	87500	19.519	ug/l	96
61) 1,2-Dibromoethane	11.24	107	65894	19.967	ug/l	98
64) Tetrachloroethene	10.87	164	81730	19.382	ug/l	96
65) Chlorobenzene	11.67	112	252416	19.736	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	94163	19.955	ug/l	98
67) Ethyl Benzene	11.74	91	454163	19.605	ug/l	97
68) m/p-Xylenes	11.85	106	347912	39.736	ug/l	100
69) o-Xylene	12.18	106	150130	19.404	ug/l	98
70) Styrene	12.20	104	269503	19.790	ug/l	98
71) Bromoform	12.36	173	46429	19.605	ug/l #	99
73) Isopropylbenzene	12.48	105	427915	19.844	ug/l	98
74) N-amyl acetate	12.28	43	85906	18.885	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	71217	19.435	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	96031	38.839	ug/l #	100
77) Bromobenzene	12.76	156	92706	18.652	ug/l	97
78) n-propylbenzene	12.82	91	521517	19.839	ug/l	100
79) 2-Chlorotoluene	12.91	91	294900	19.840	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	367606	20.162	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22852	19.947	ug/l	99
82) 4-Chlorotoluene	13.01	91	315178	20.054	ug/l	98
83) tert-Butylbenzene	13.23	119	291588	19.403	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	362127	19.874	ug/l	100
85) sec-Butylbenzene	13.40	105	429356	19.929	ug/l	98
86) p-Isopropyltoluene	13.52	119	386908	19.754	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	186319	19.540	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	185295	19.514	ug/l	99
89) n-Butylbenzene	13.84	91	360870	19.376	ug/l	99
90) Hexachloroethane	14.11	117	79440	19.743	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	157839	19.318	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11426	19.290	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration

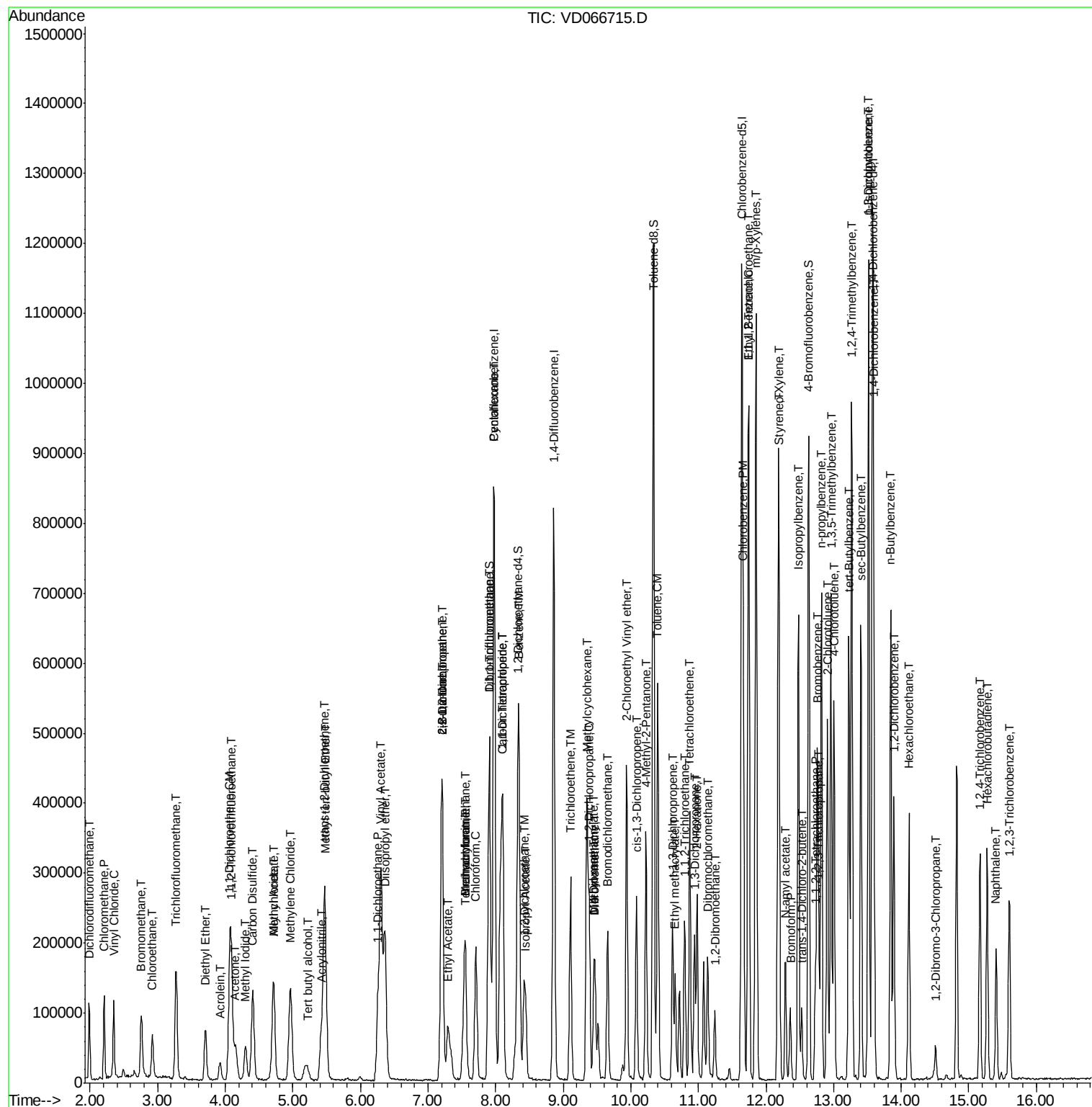
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96157	19.458	ug/l	98
94) Hexachlorobutadiene	15.27	225	57939	19.460	ug/l	99
95) Naphthalene	15.41	128	158388	18.345	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	83130	19.259	ug/l	99

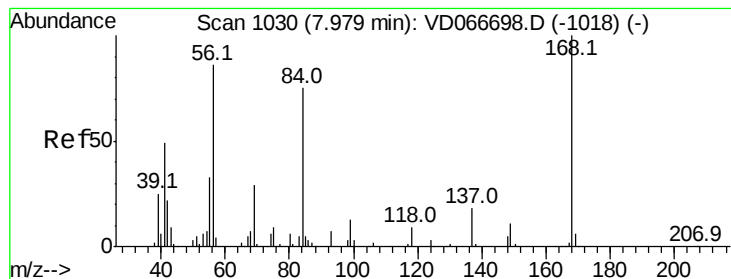
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091620\
Data File : VD066715.D
Acq On : 16 Sep 2020 13:15
Operator : VA/SY
Sample : VD0916SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
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Quant Time: Sep 17 00:50:01 2020
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Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 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: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

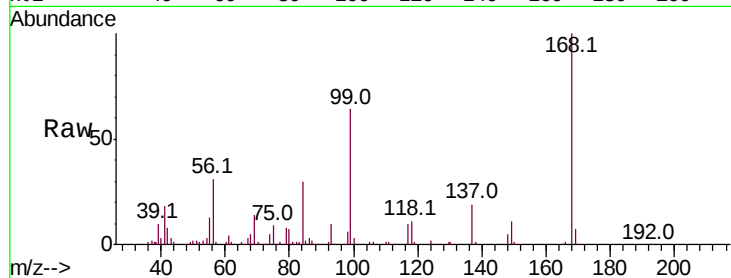
VD0916SBS01

Tot Ion:168 Resp: 410512

Ion Ratio Lower Upper

168 100

99 63.7 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

150000

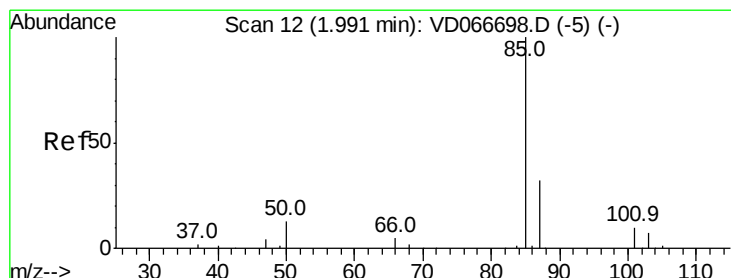
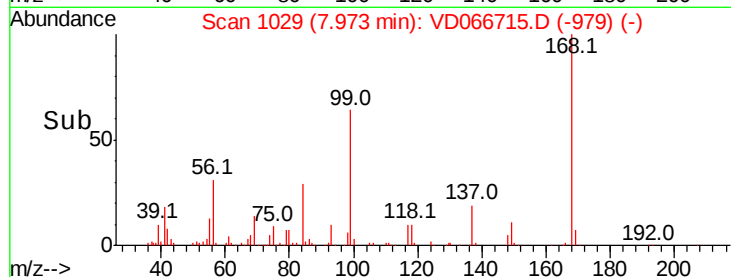
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.443 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066715.D

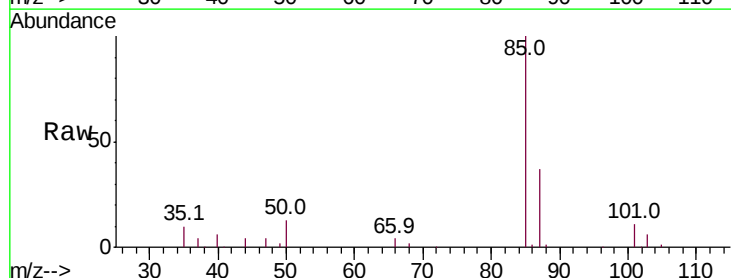
Acq: 16 Sep 2020 13:15

Tgt Ion: 85 Resp: 76124

Ion Ratio Lower Upper

85 100

87 37.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

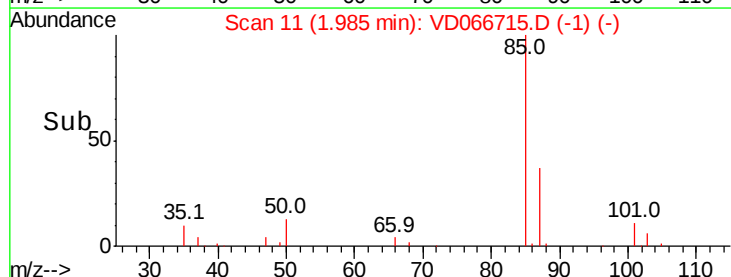
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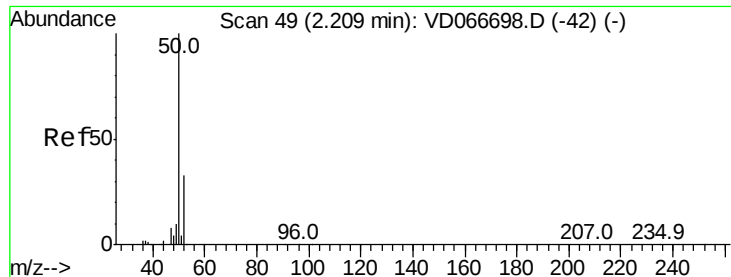
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.972 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

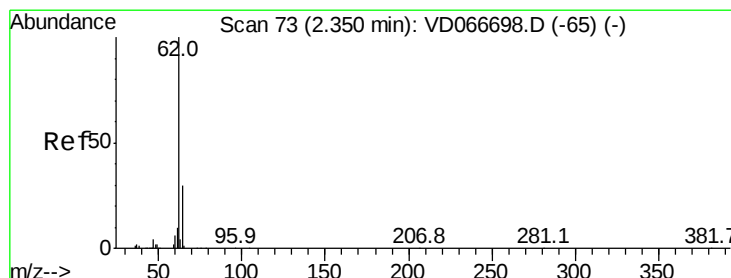
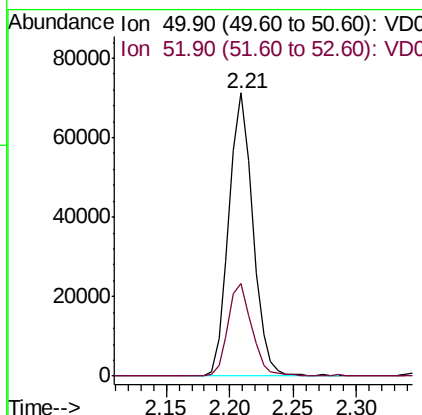
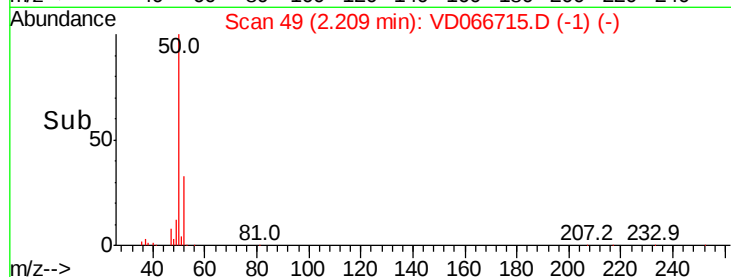
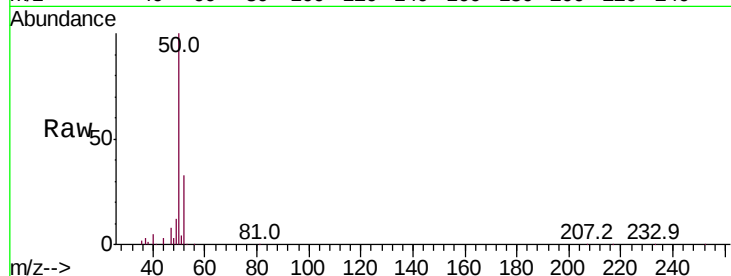
VD0916SBS01

Tot Ion: 50 Resp: 93686

Ion Ratio Lower Upper

50 100

52 32.9 26.8 40.2



#4

Vinyl Chloride

Concen: 20.498 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066715.D

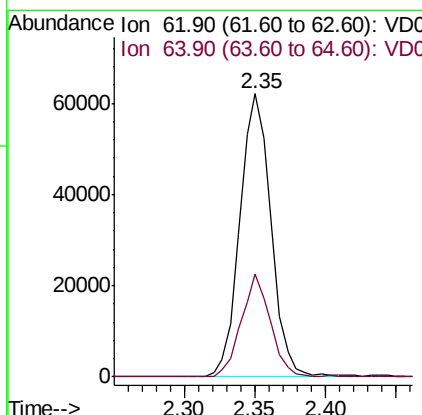
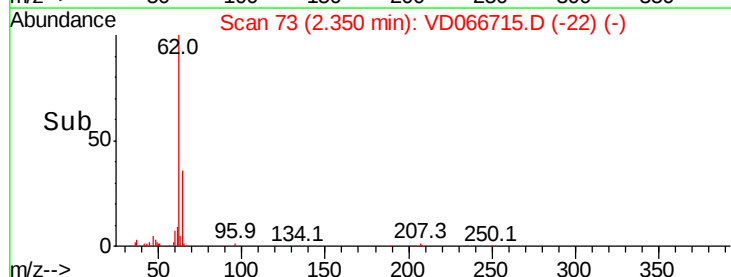
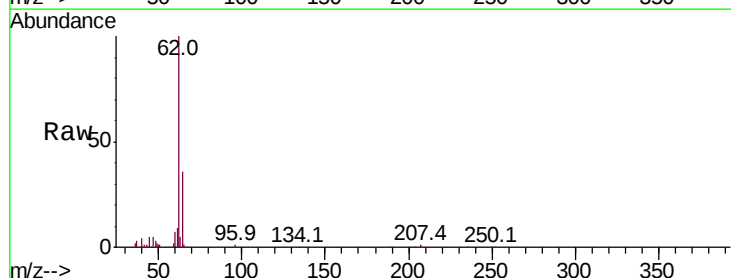
Acq: 16 Sep 2020 13:15

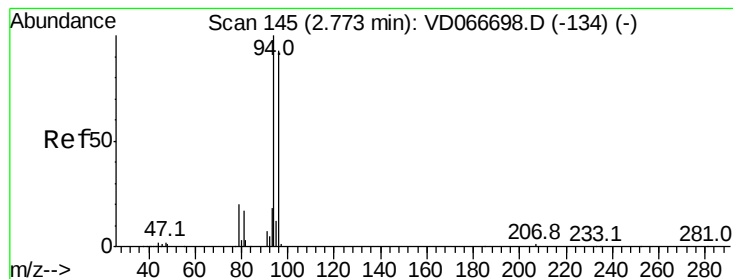
Tgt Ion: 62 Resp: 95834

Ion Ratio Lower Upper

62 100

64 36.2 24.4 36.6





#5

Bromomethane

Concen: 21.674 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

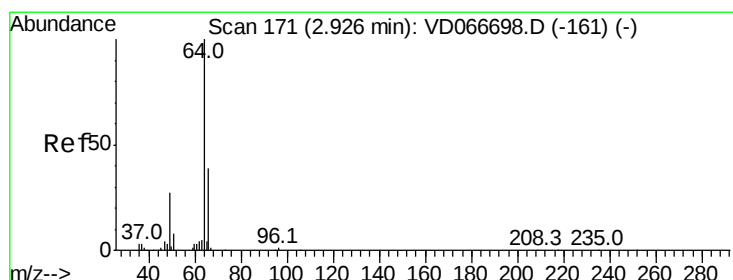
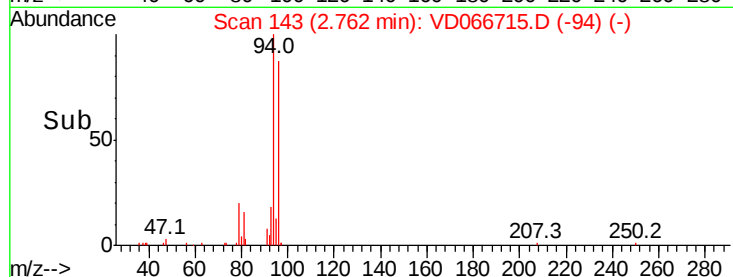
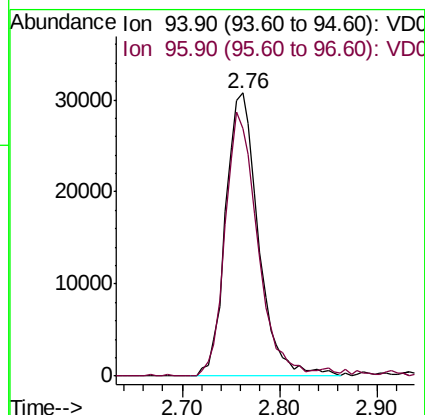
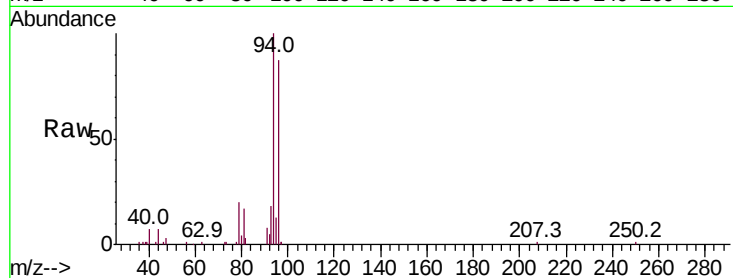
VD0916SBS01

Tot Ion: 94 Resp: 71884

Ion Ratio Lower Upper

94 100

96 87.4 74.7 112.1



#6

Chloroethane

Concen: 20.131 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066715.D

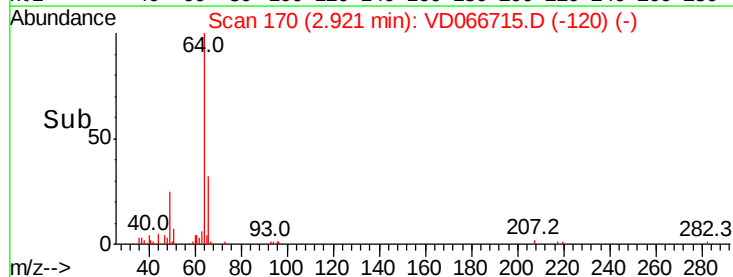
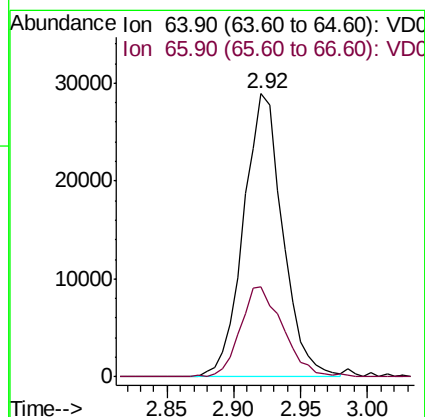
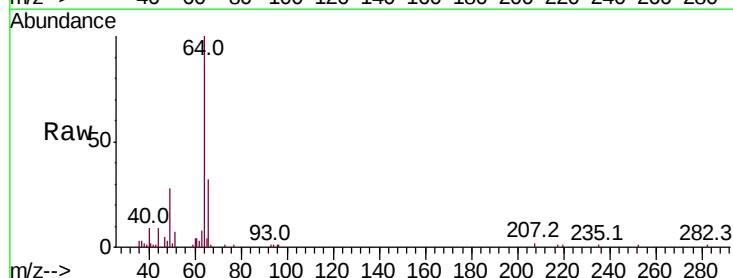
Acq: 16 Sep 2020 13:15

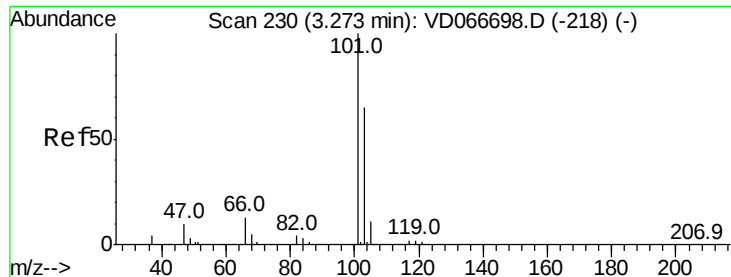
Tgt Ion: 64 Resp: 58633

Ion Ratio Lower Upper

64 100

66 31.8 30.9 46.3



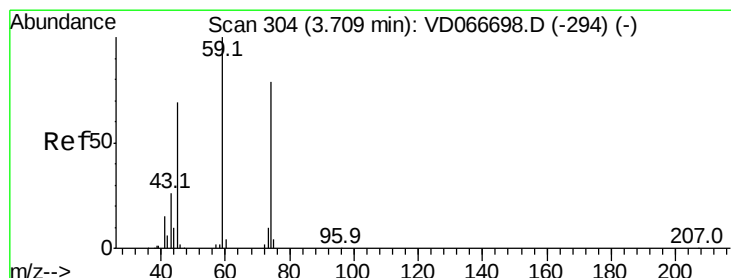
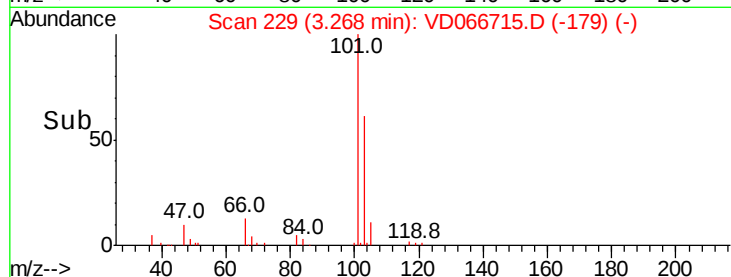
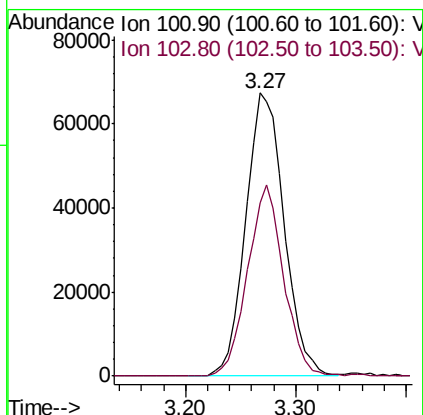
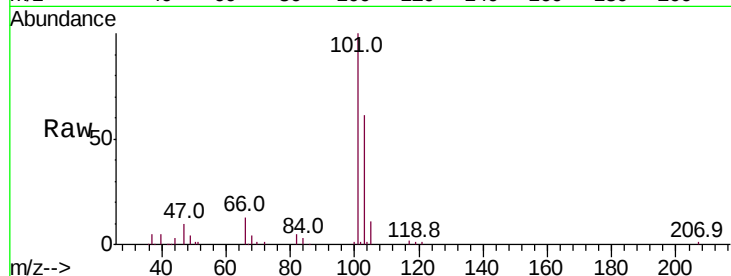


#7

Trichlorofluoromethane
Concen: 20.394 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

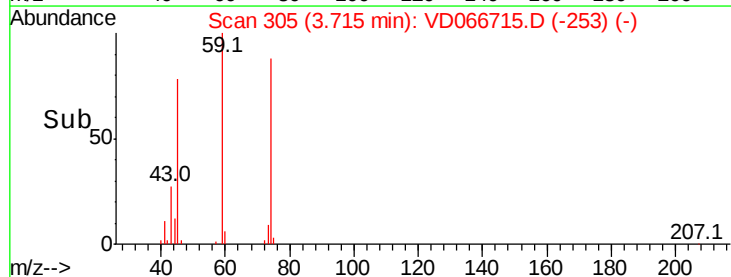
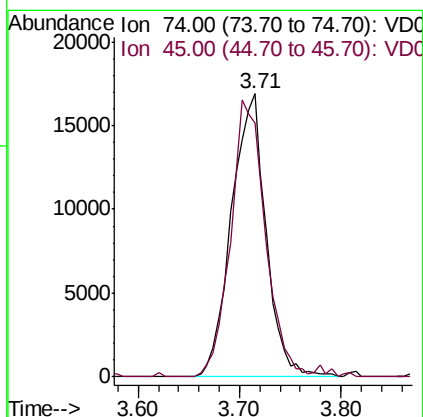
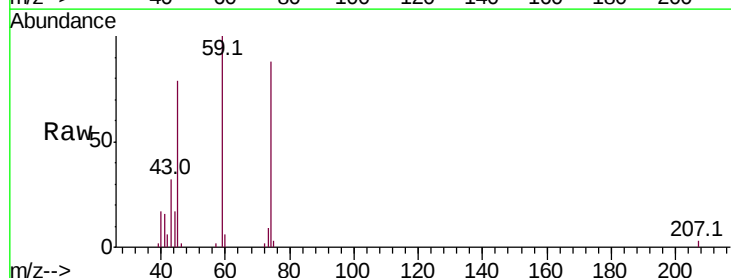
Tot Ion:101 Resp: 164690
Ion Ratio Lower Upper
101 100
103 61.1 51.8 77.8

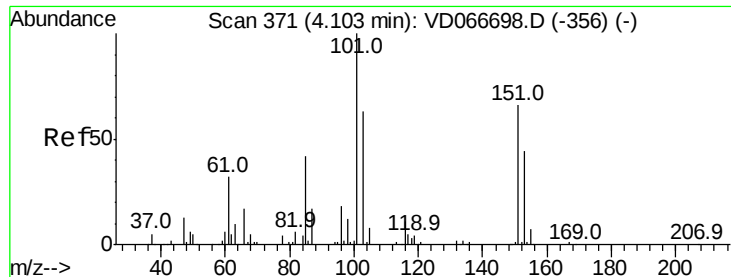


#8

Diethyl Ether
Concen: 19.783 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion: 74 Resp: 40003
Ion Ratio Lower Upper
74 100
45 98.0 48.0 144.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.589 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

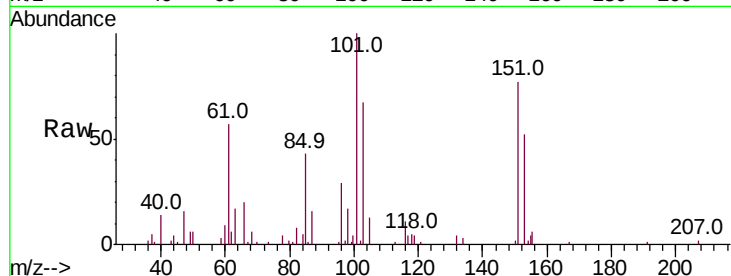
Tot Ion:101 Resp: 86936

Ion Ratio Lower Upper

101 100

85 46.8 36.3 54.5

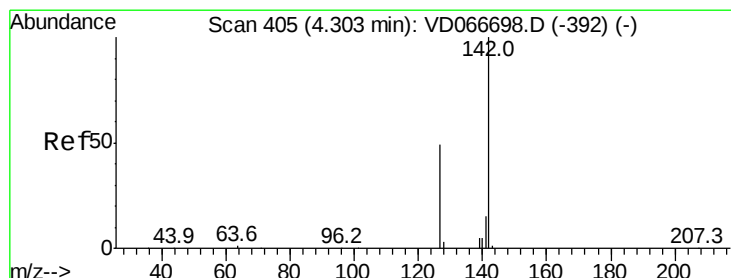
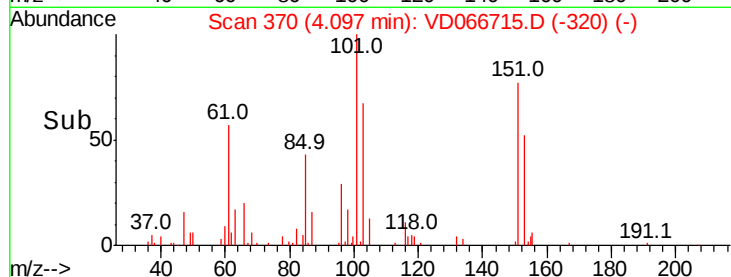
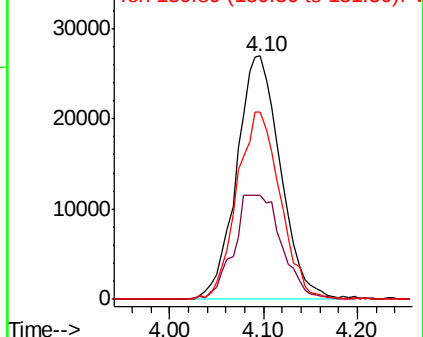
151 76.1 58.0 87.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.686 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

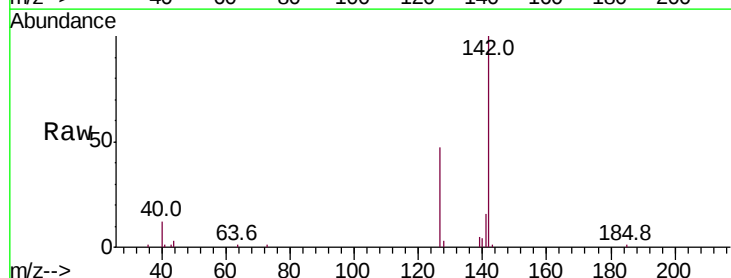
Tgt Ion:142 Resp: 78681

Ion Ratio Lower Upper

142 100

127 50.7 39.0 58.4

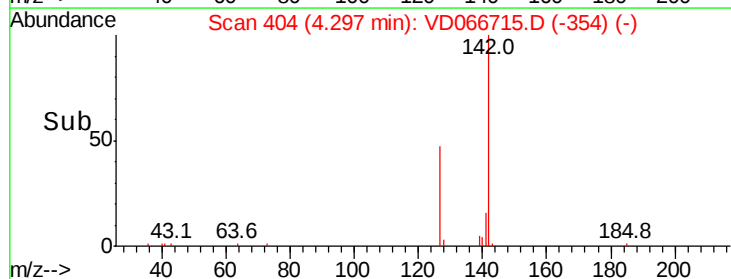
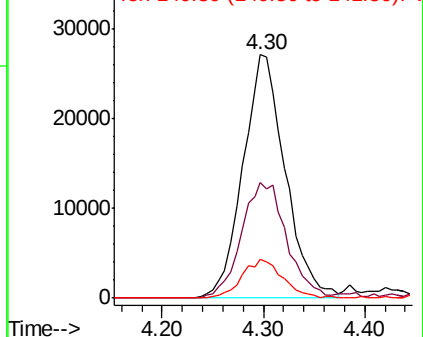
141 15.4 11.7 17.5

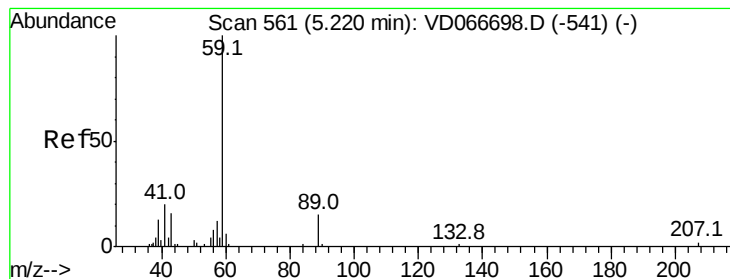


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 84.242 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

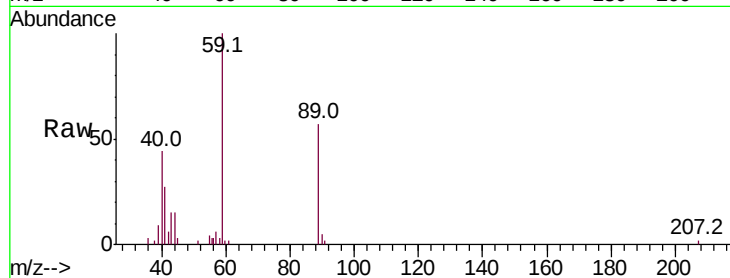
VD0916SBS01

Tot Ion: 59 Resp: 36895

Ion Ratio Lower Upper

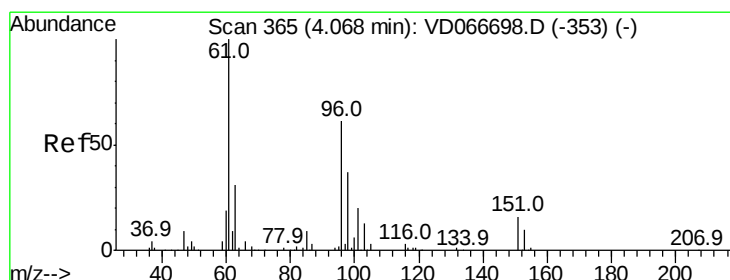
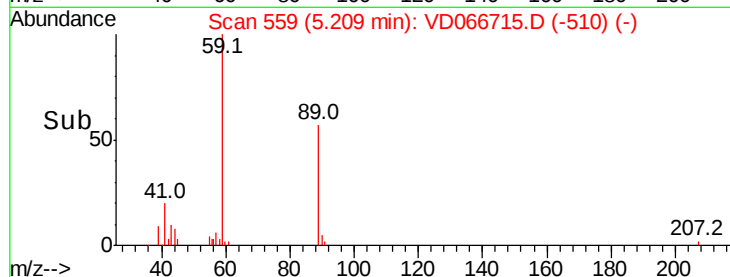
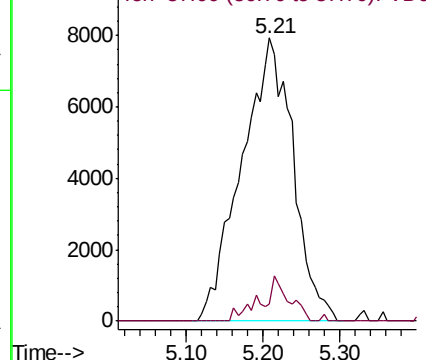
59 100

57 5.6 6.7 10.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.763 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

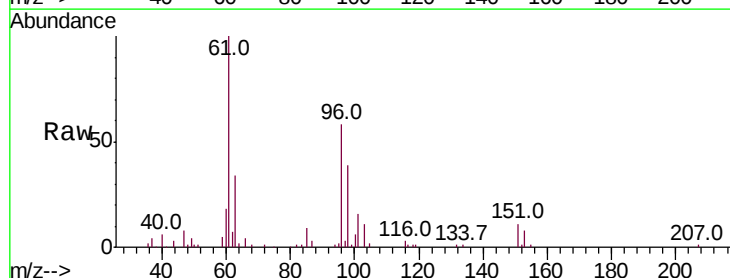
Tgt Ion: 96 Resp: 81177

Ion Ratio Lower Upper

96 100

61 172.4 131.9 197.9

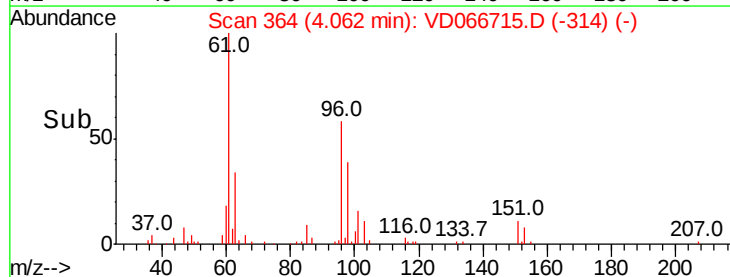
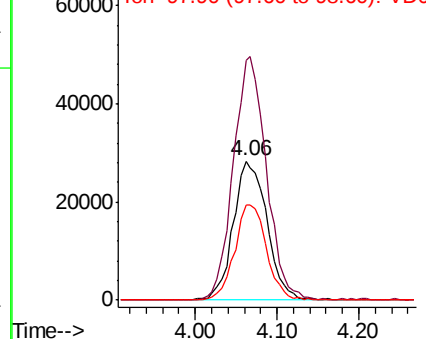
98 67.9 49.1 73.7

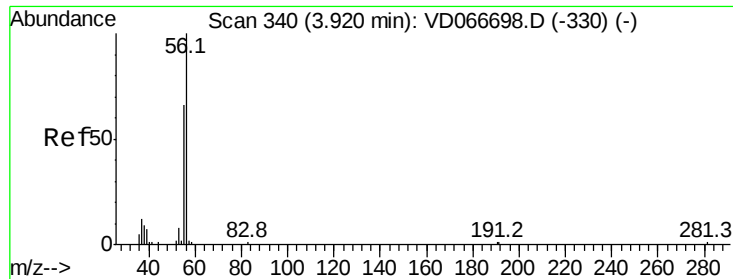


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 97.101 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

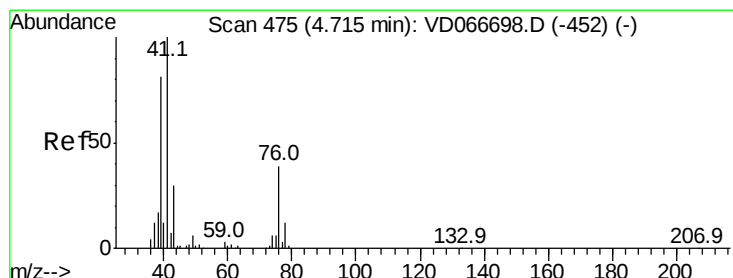
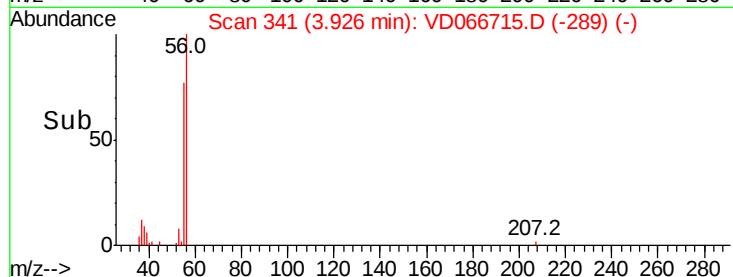
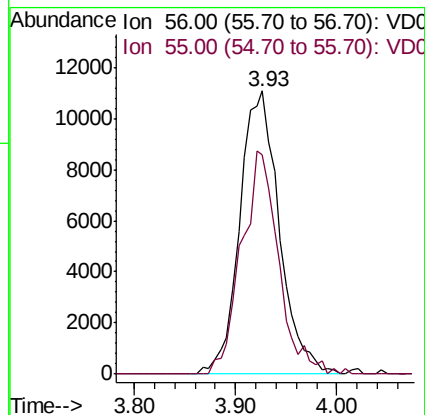
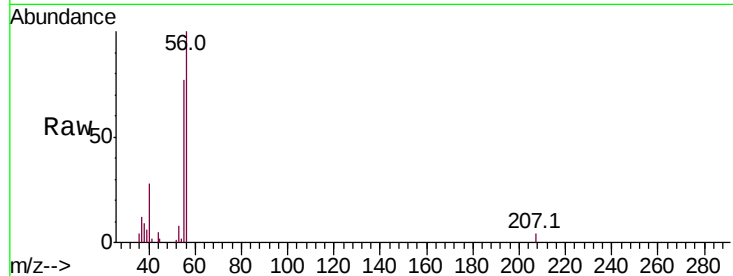
VD0916SBS01

Tot Ion: 56 Resp: 29995

Ion Ratio Lower Upper

56 100

55 74.0 54.7 82.1



#14

Allyl chloride

Concen: 19.834 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

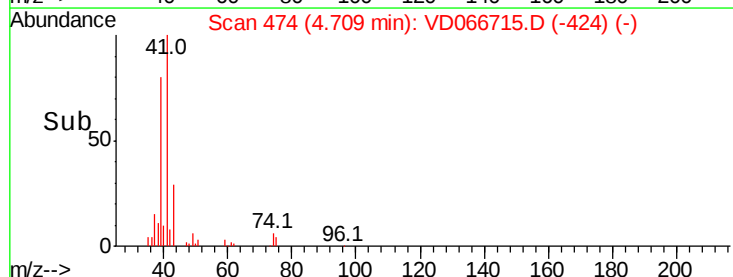
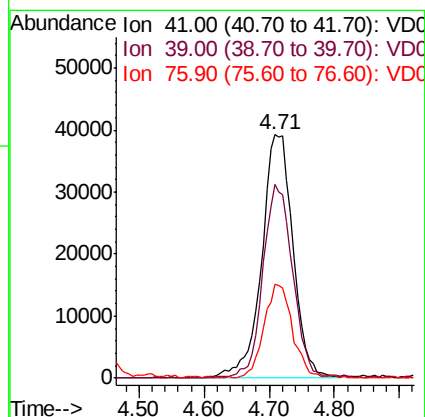
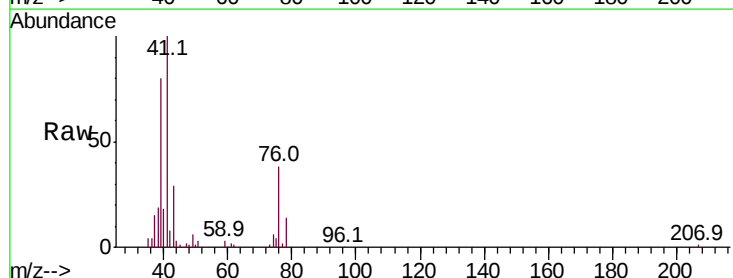
Tgt Ion: 41 Resp: 130837

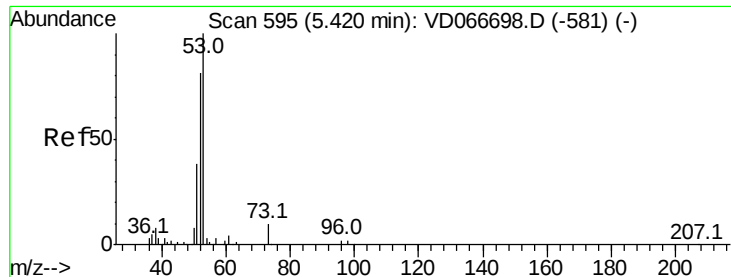
Ion Ratio Lower Upper

41 100

39 76.4 60.6 90.8

76 35.0 29.2 43.8





#15

Acrylonitrile

Concen: 95.414 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

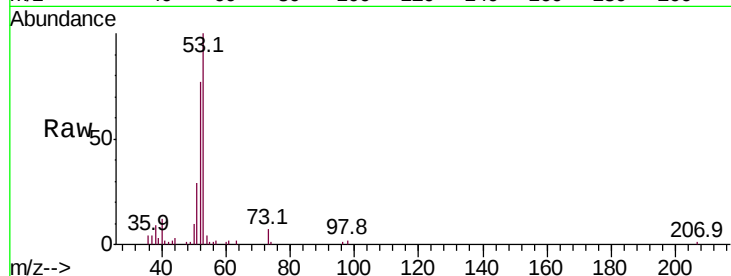
Tot Ion: 53 Resp: 84520

Ion Ratio Lower Upper

53 100

52 82.4 66.6 99.8

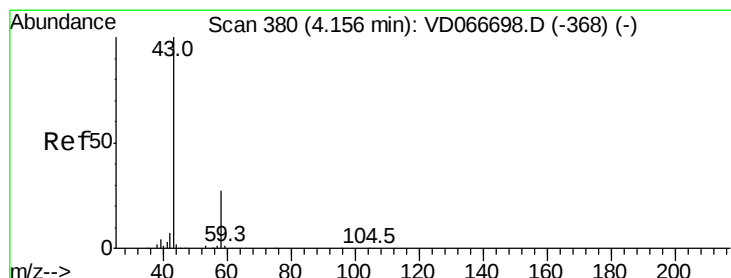
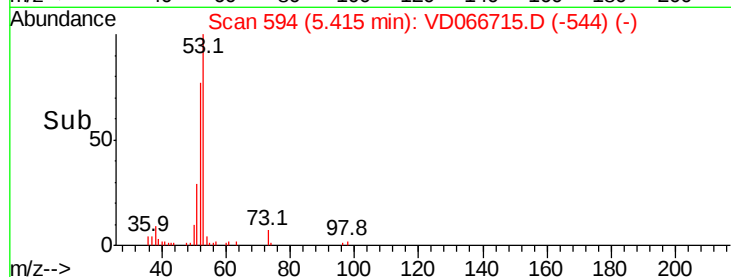
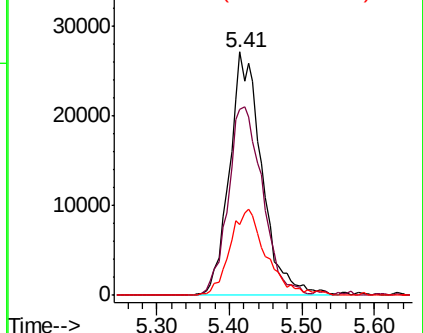
51 39.7 31.0 46.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 90.662 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066715.D

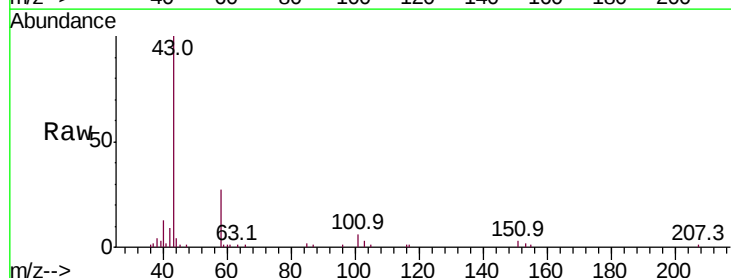
Acq: 16 Sep 2020 13:15

Tgt Ion: 43 Resp: 80863

Ion Ratio Lower Upper

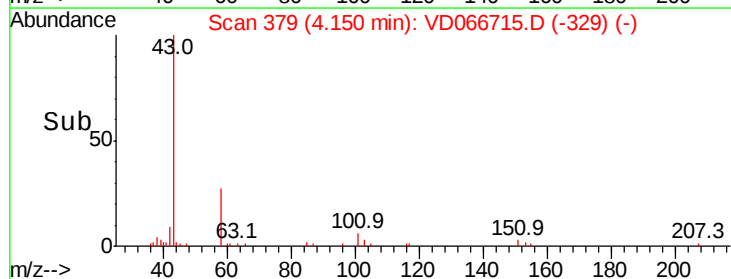
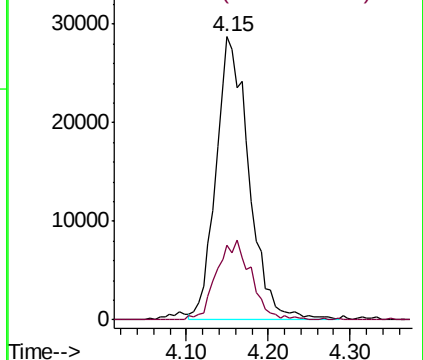
43 100

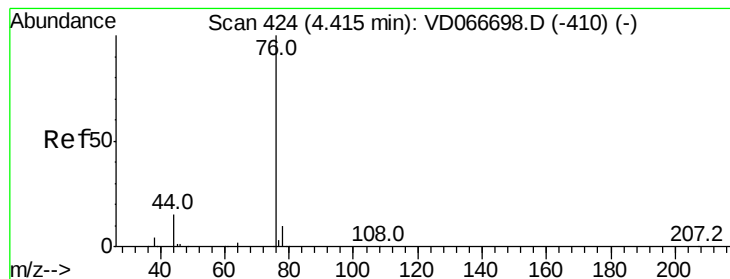
58 25.7 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 20.773 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

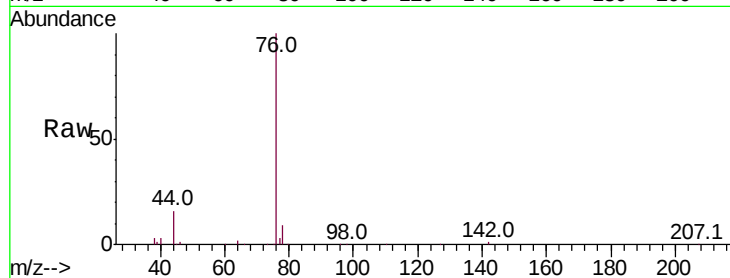
VD0916SBS01

Tot Ion: 76 Resp: 268129

Ion Ratio Lower Upper

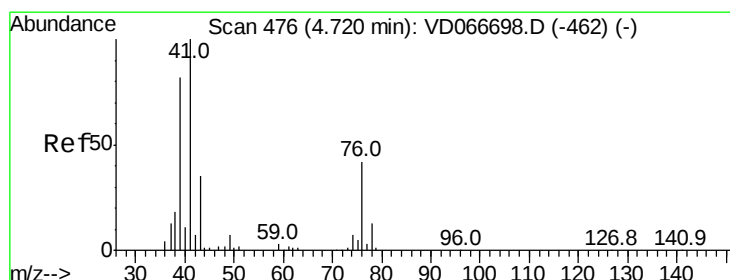
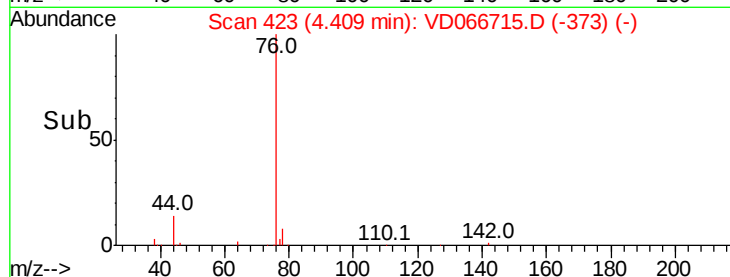
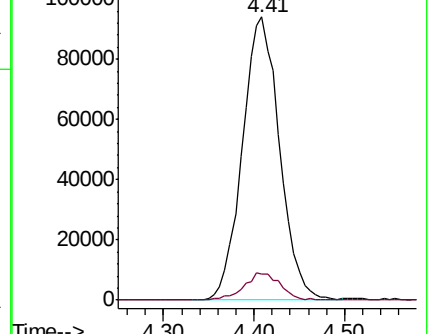
76 100

78 9.0 8.0 12.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.573 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD066715.D

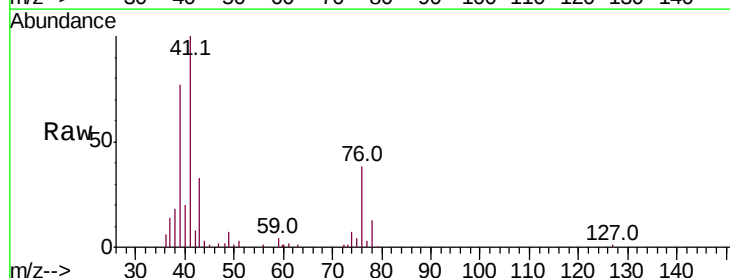
Acq: 16 Sep 2020 13:15

Tgt Ion: 43 Resp: 39673

Ion Ratio Lower Upper

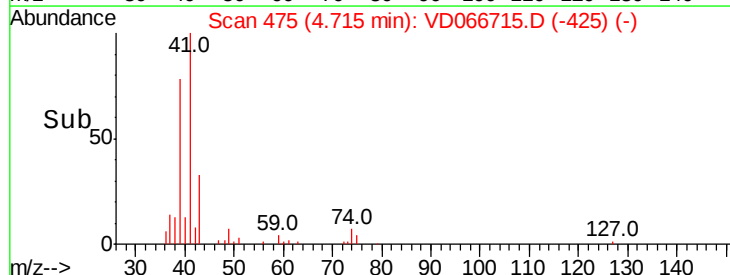
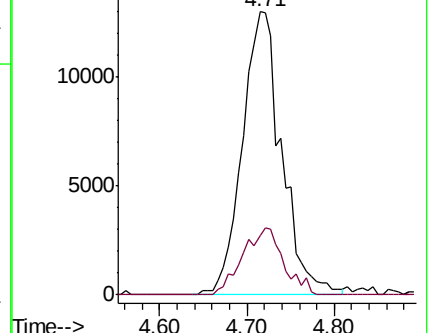
43 100

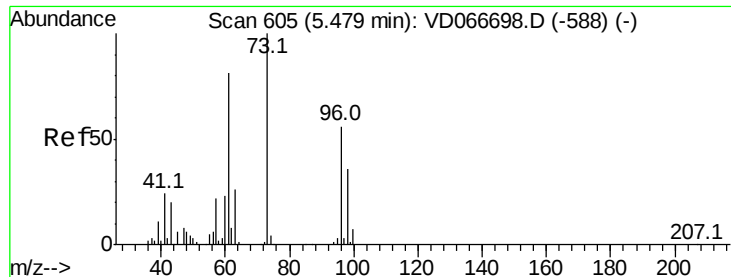
74 24.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



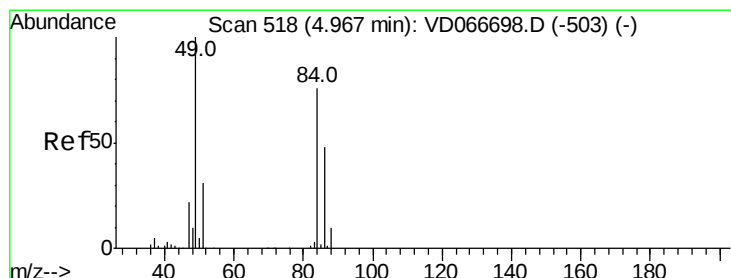
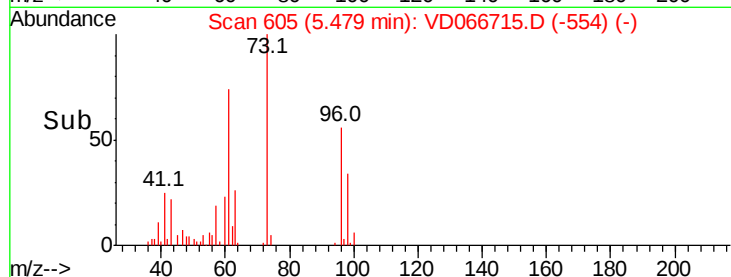
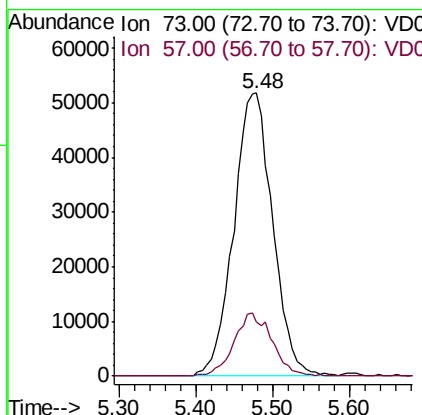
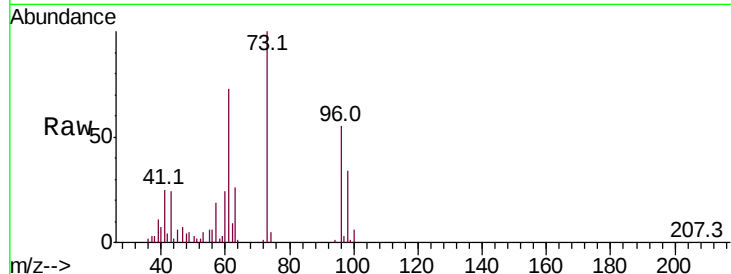


#19

Methyl tert-butyl Ether
 Concen: 20.013 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

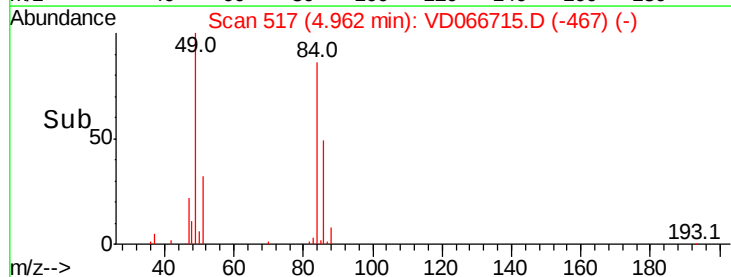
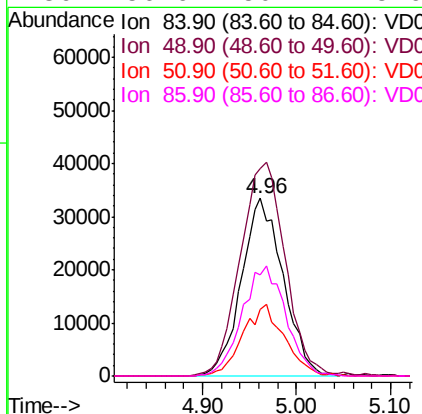
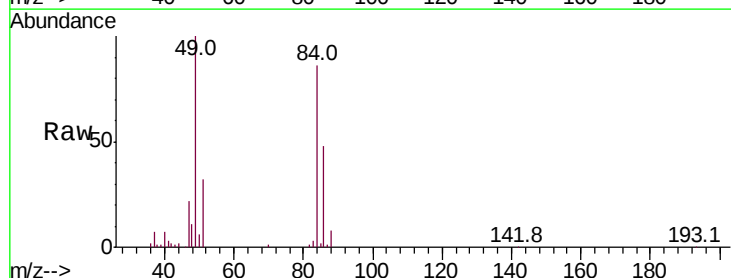
Tot Ion: 73 Resp: 183106
 Ion Ratio Lower Upper
 73 100
 57 19.3 17.8 26.6

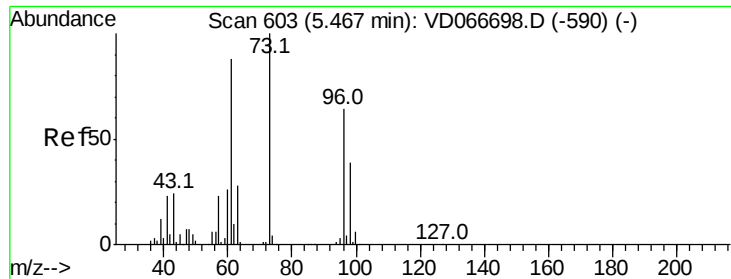


#20

Methylene Chloride
 Concen: 16.621 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion: 84 Resp: 103252
 Ion Ratio Lower Upper
 84 100
 49 116.7 105.0 157.6
 51 37.5 32.2 48.4
 86 56.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.632 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

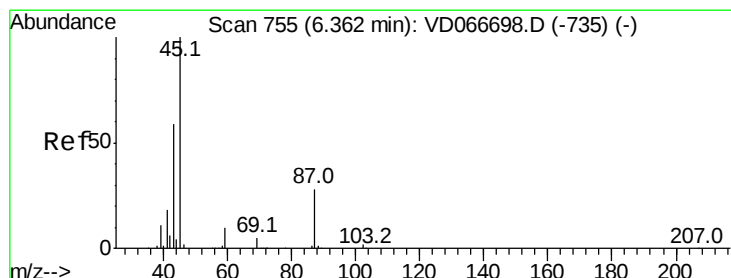
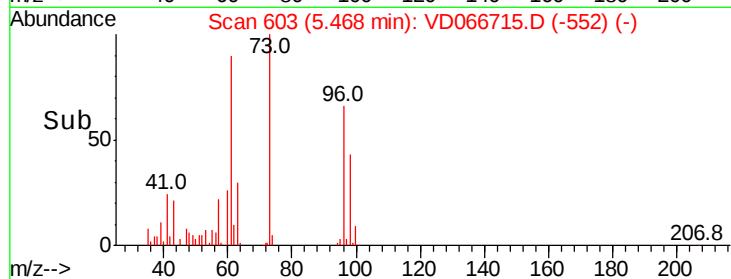
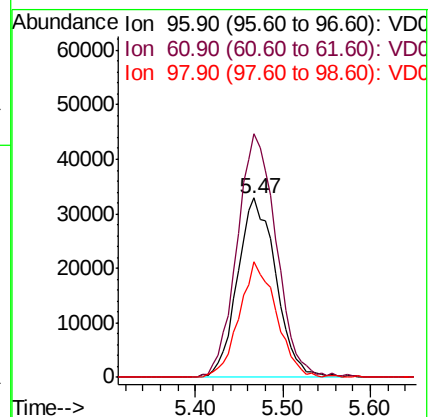
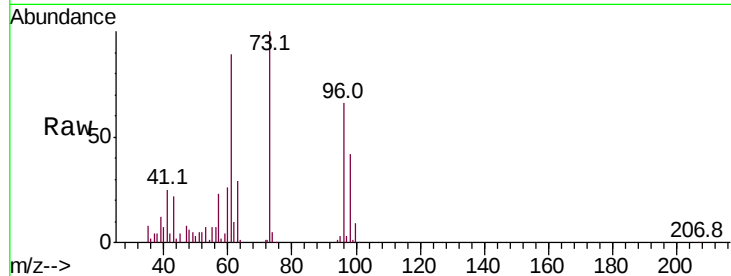
Tot Ion: 96 Resp: 98739

Ion Ratio Lower Upper

96 100

61 135.9 110.6 166.0

98 64.2 49.2 73.8



#22

Diisopropyl ether

Concen: 20.538 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion: 45 Resp: 275284

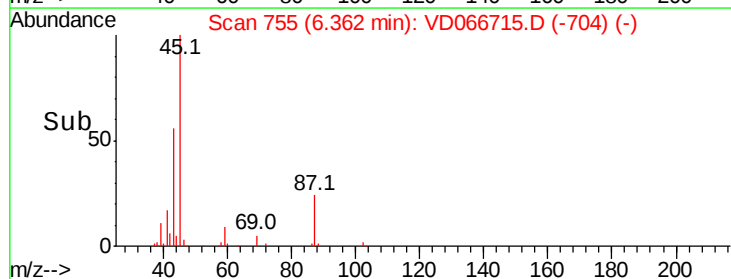
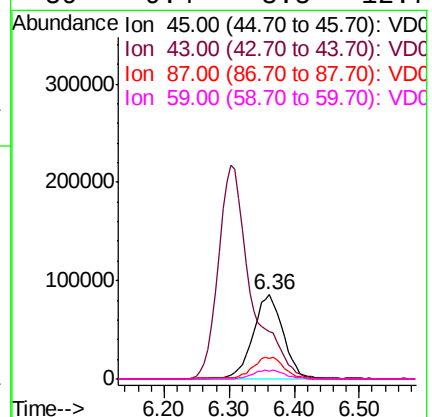
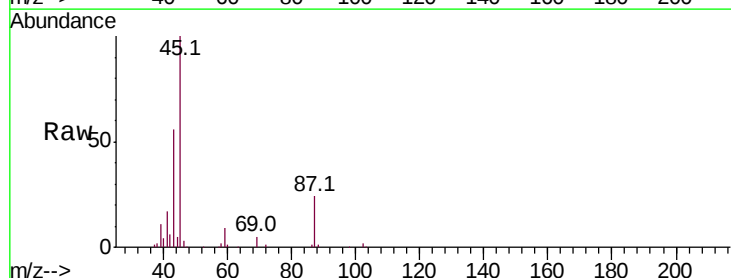
Ion Ratio Lower Upper

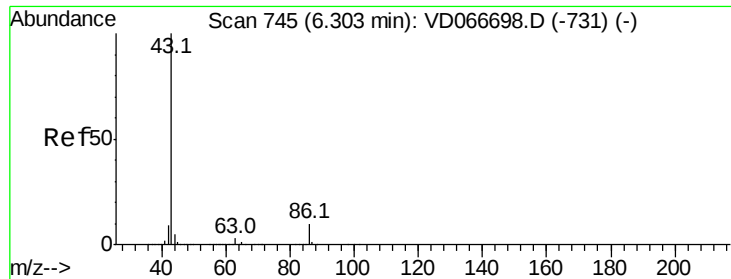
45 100

43 55.1 46.9 70.3

87 24.4 22.4 33.6

59 9.4 8.5 12.7





#23

Vinyl Acetate

Concen: 101.375 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

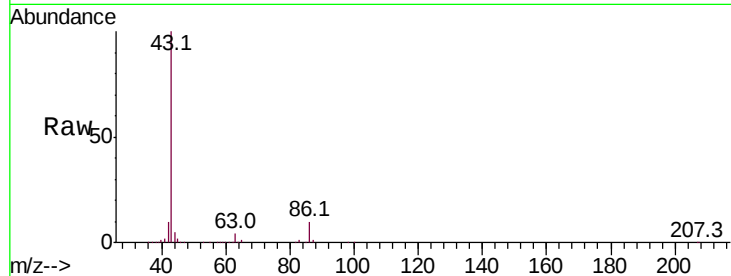
VD0916SBS01

Tot Ion: 43 Resp: 755841

Ion Ratio Lower Upper

43 100

86 9.7 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

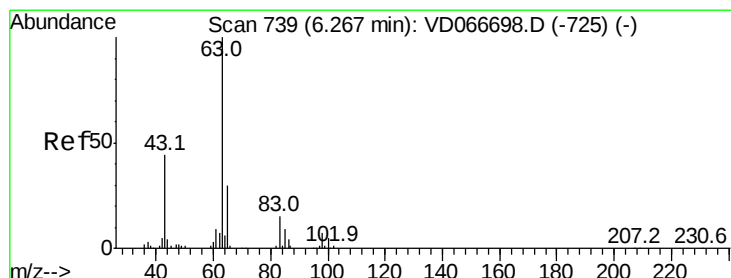
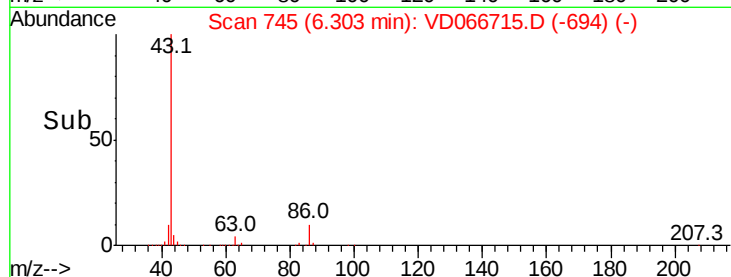
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.765 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

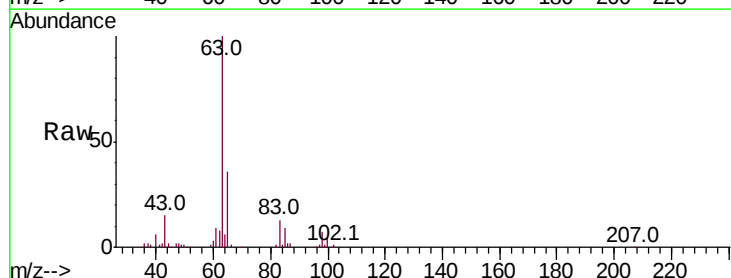
Tgt Ion: 63 Resp: 168115

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.2 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

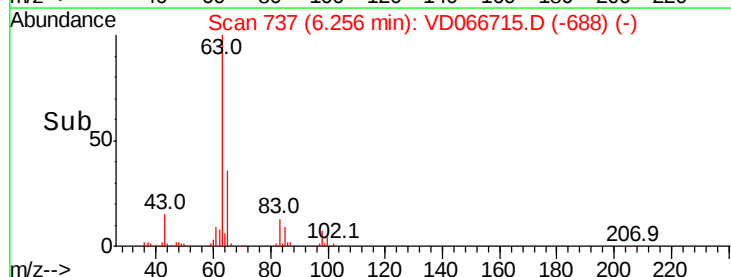
40000

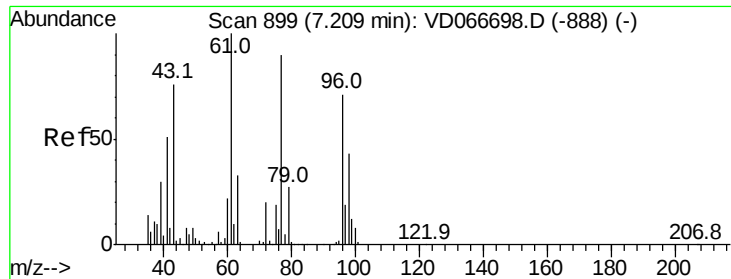
20000

0

6.10 6.20 6.30 6.40

Time-->

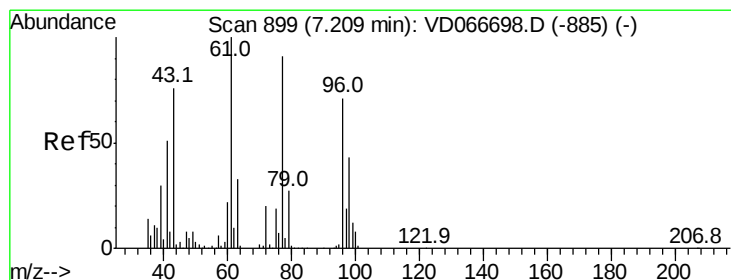
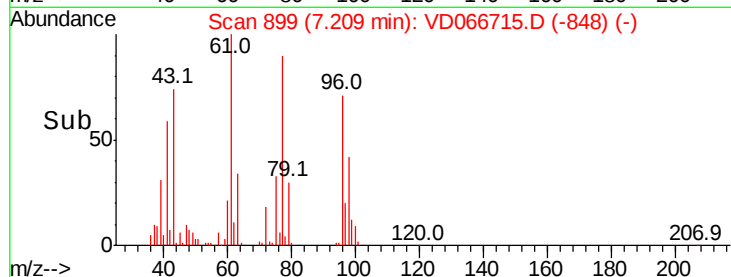
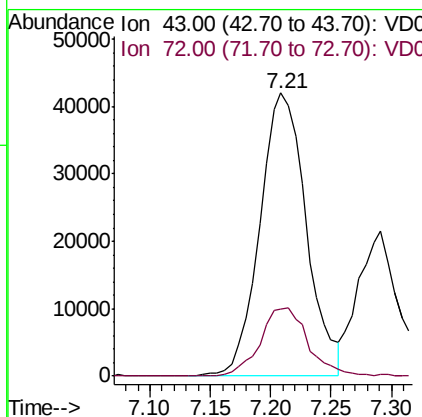
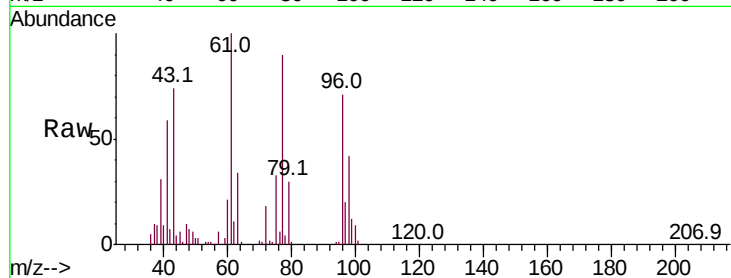




#25
 2-Butanone
 Concen: 96.348 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

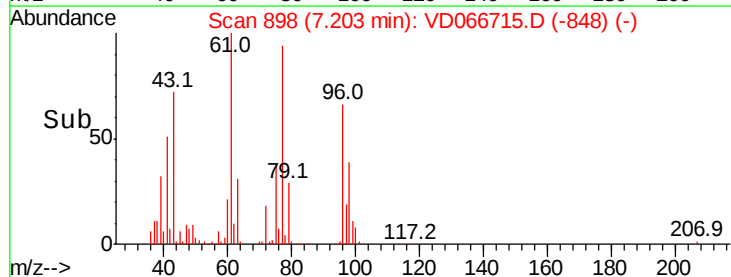
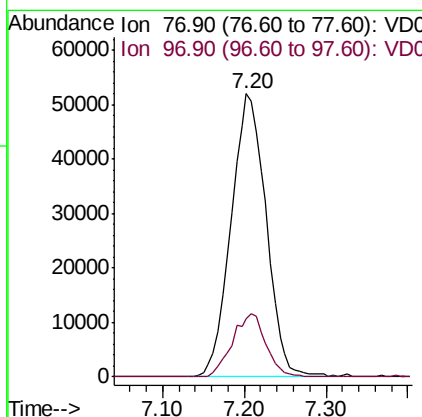
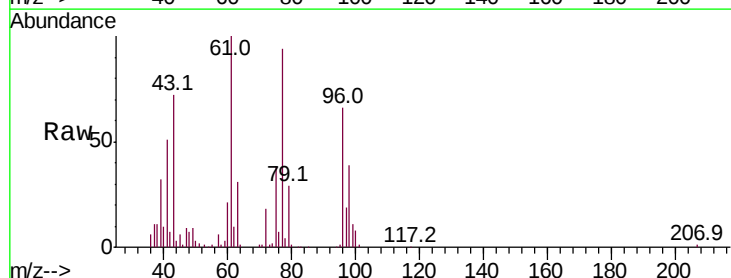
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

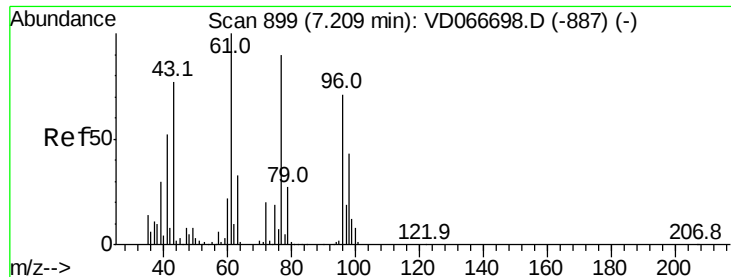
Tot Ion: 43 Resp: 111900
 Ion Ratio Lower Upper
 43 100
 72 23.6 21.0 31.4



#26
 2,2-Dichloropropane
 Concen: 19.728 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion: 77 Resp: 155172
 Ion Ratio Lower Upper
 77 100
 97 21.3 10.6 31.8



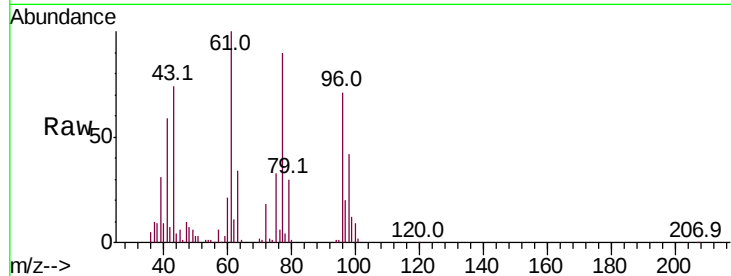


#27

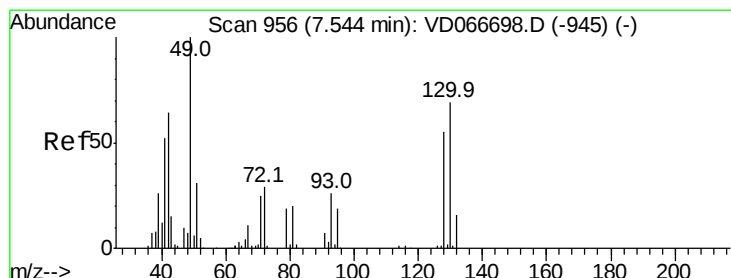
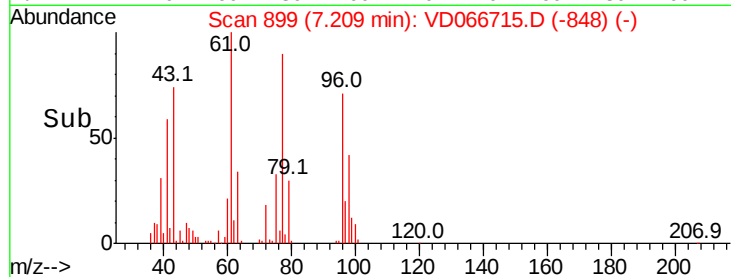
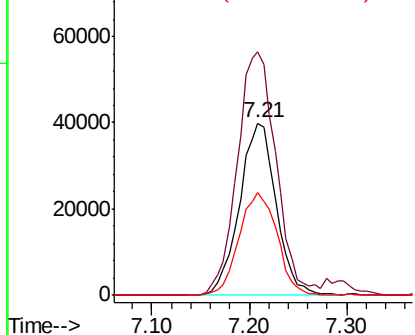
cis-1,2-Dichloroethene
 Concen: 20.017 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion: 96 Resp: 104799
 Ion Ratio Lower Upper
 96 100
 61 148.3 0.0 292.4
 98 61.5 0.0 127.0



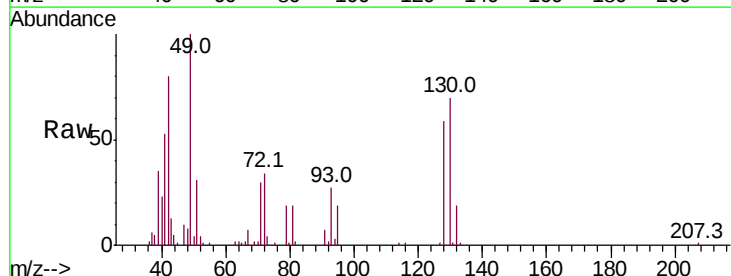
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



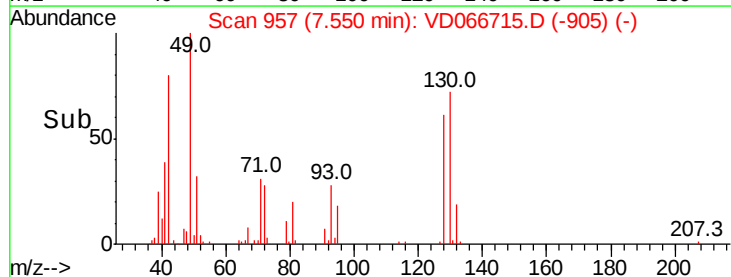
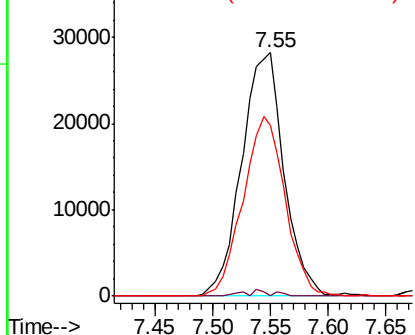
#28

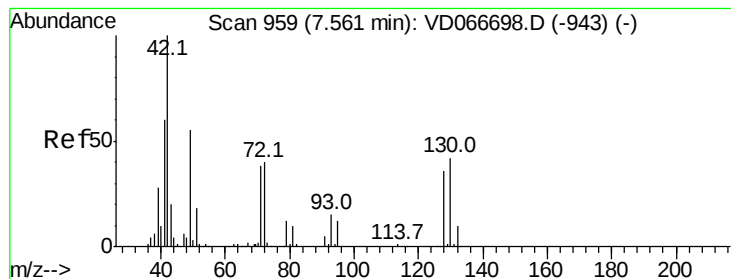
Bromochloromethane
 Concen: 22.706 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion: 49 Resp: 72138
 Ion Ratio Lower Upper
 49 100
 129 0.4 0.0 3.8
 130 73.0 58.6 88.0



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





#29

Tetrahydrofuran

Concen: 95.167 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

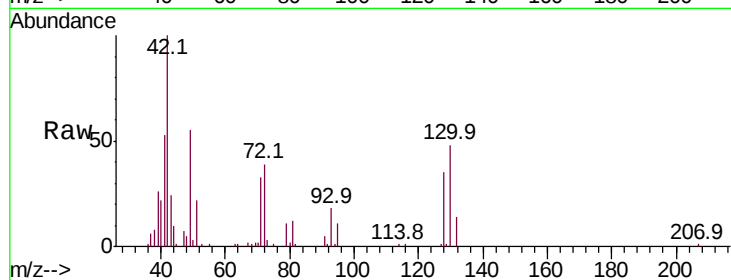
Tot Ion: 42 Resp: 67625

Ion Ratio Lower Upper

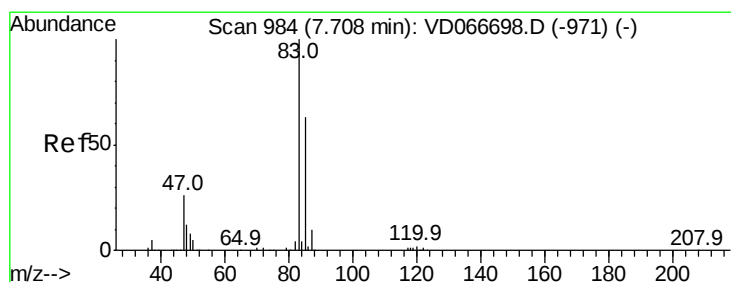
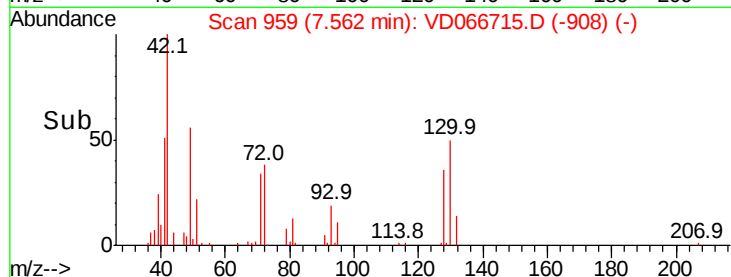
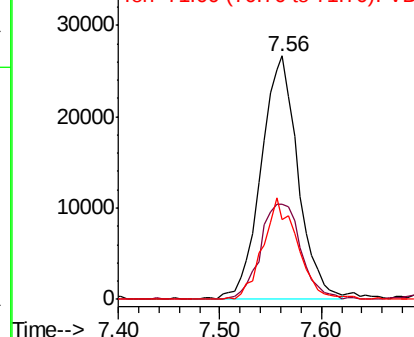
42 100

72 43.2 32.6 48.8

71 38.7 30.6 45.8



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



#30

Chloroform

Concen: 19.999 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD066715.D

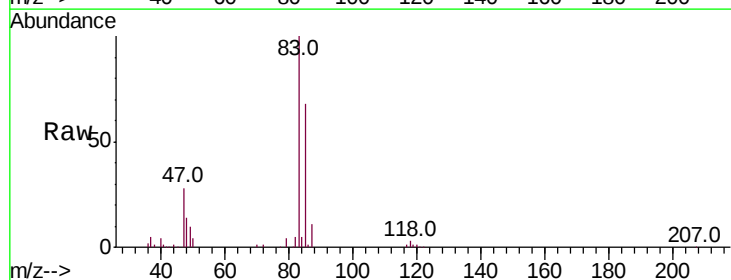
Acq: 16 Sep 2020 13:15

Tgt Ion: 83 Resp: 181046

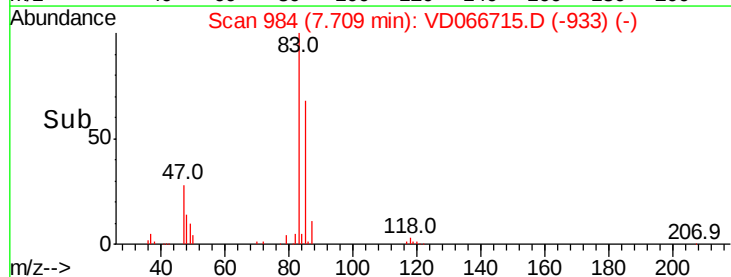
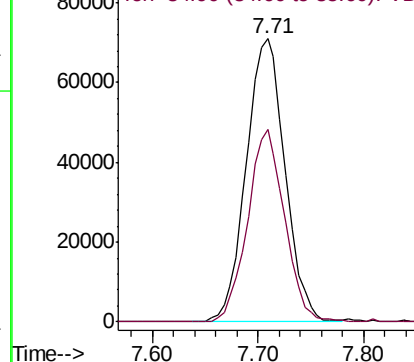
Ion Ratio Lower Upper

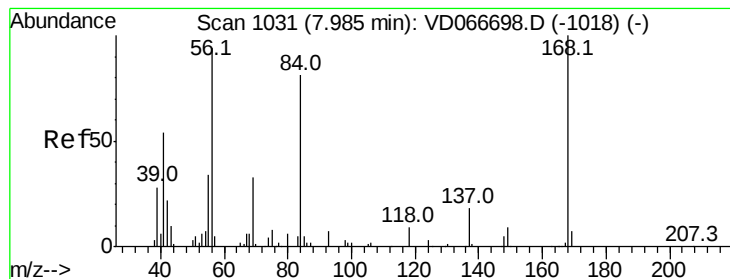
83 100

85 68.2 50.6 76.0



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





#31

Cyclohexane

Concen: 20.071 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

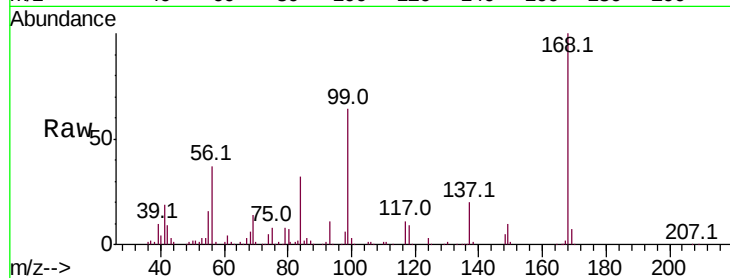
Tot Ion: 56 Resp: 155288

Ion Ratio Lower Upper

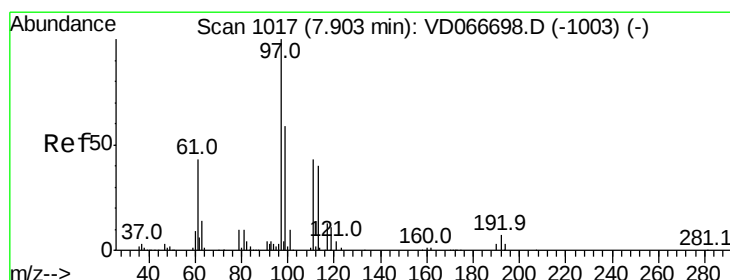
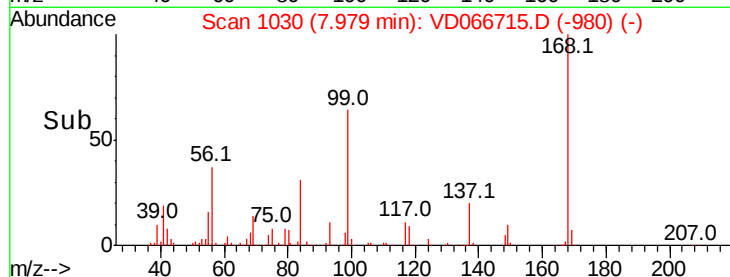
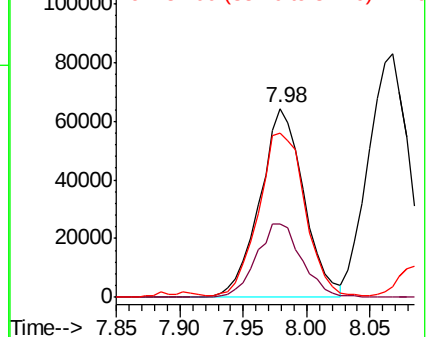
56 100

69 38.6 27.7 41.5

84 85.1 68.5 102.7



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: 20.306 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

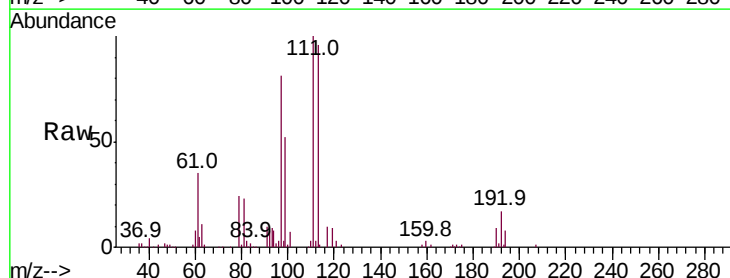
Tgt Ion: 97 Resp: 168208

Ion Ratio Lower Upper

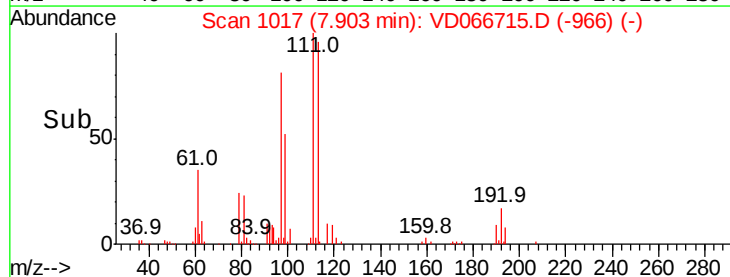
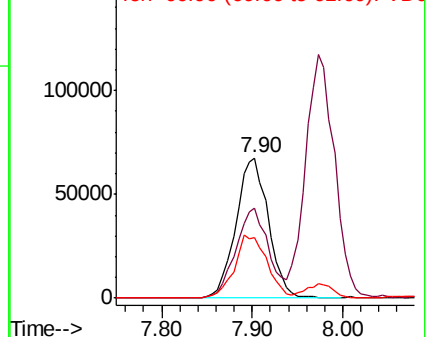
97 100

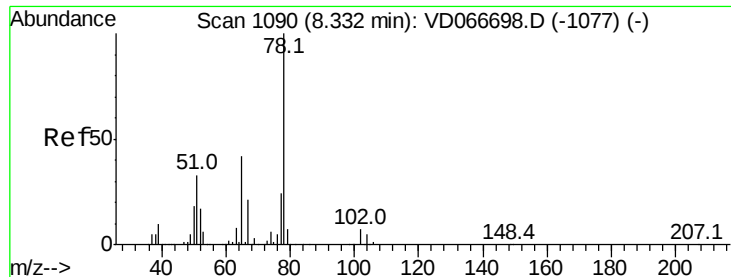
99 65.2 51.0 76.4

61 45.2 35.2 52.8



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





#33

1,2-Dichloroethane-d4

Concen: 54.063 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

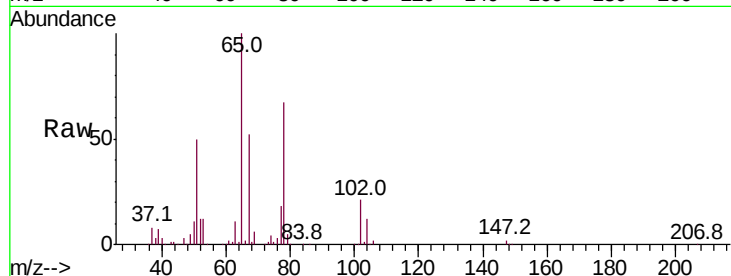
VD0916SBS01

Tot Ion: 65 Resp: 236792

Ion Ratio Lower Upper

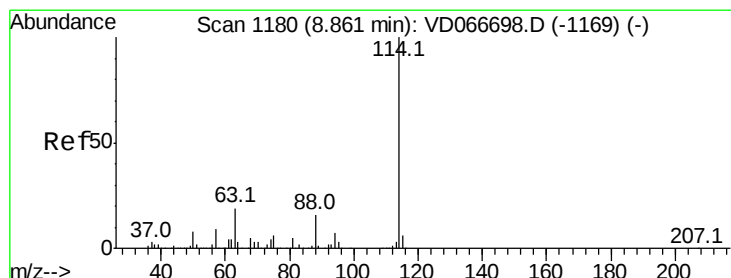
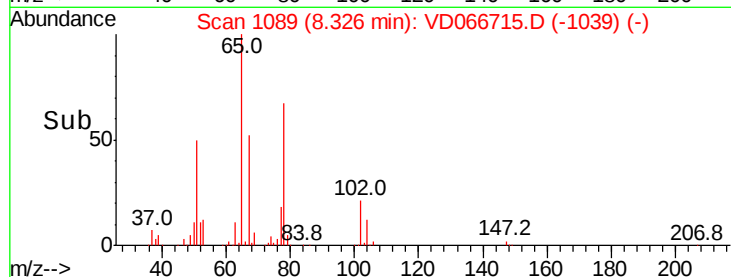
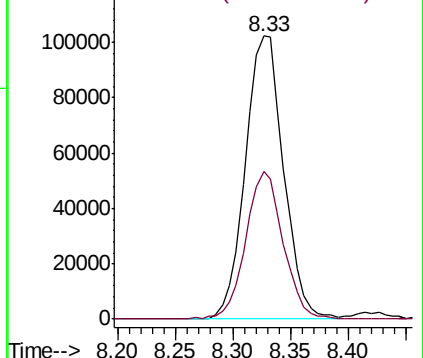
65 100

67 50.8 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

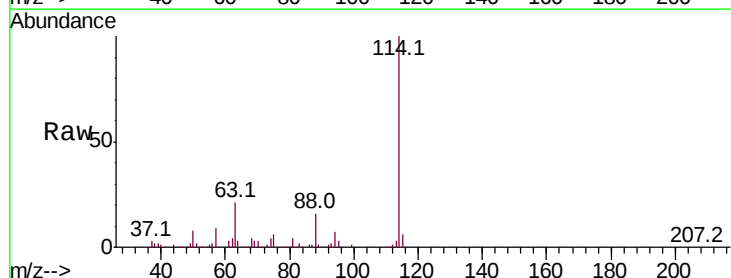
Tgt Ion: 114 Resp: 690556

Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.6

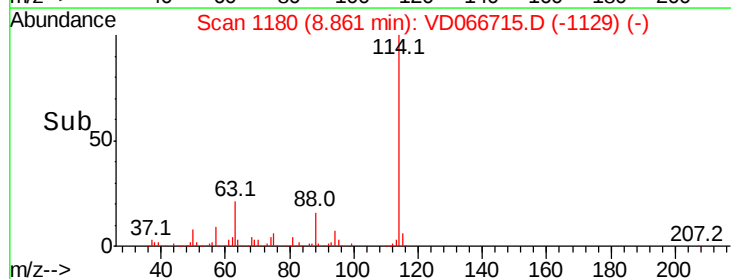
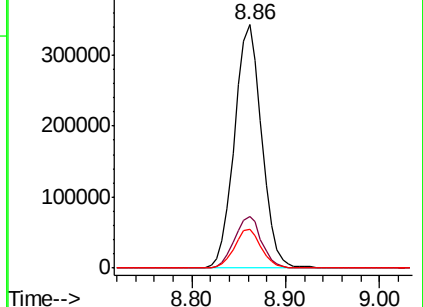
88 16.1 0.0 32.2

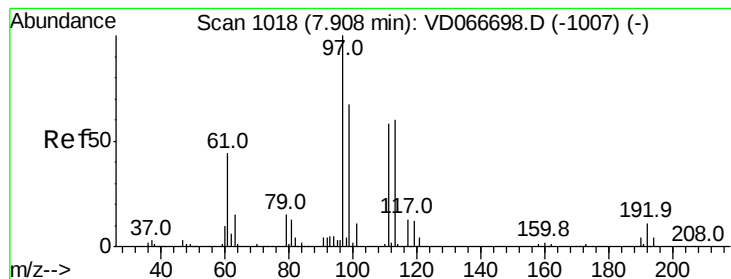


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 52.277 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

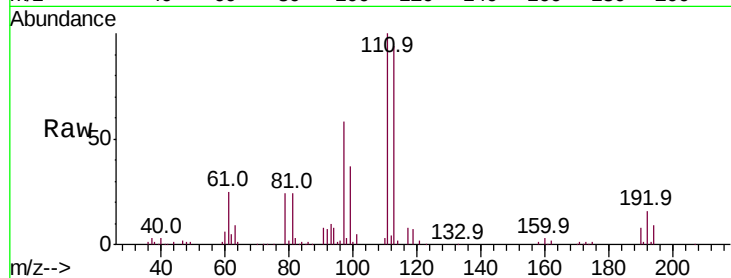
Tot Ion:113 Resp: 221329

Ion Ratio Lower Upper

113 100

111 105.0 83.2 124.8

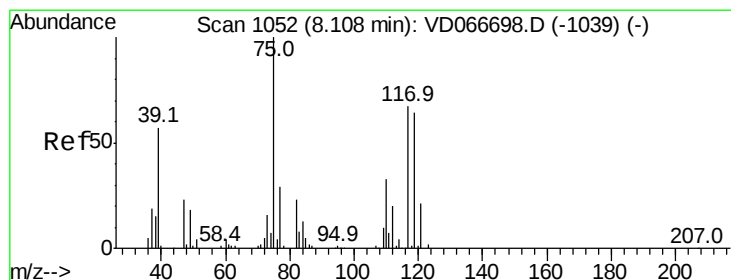
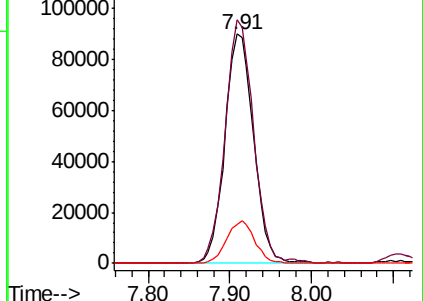
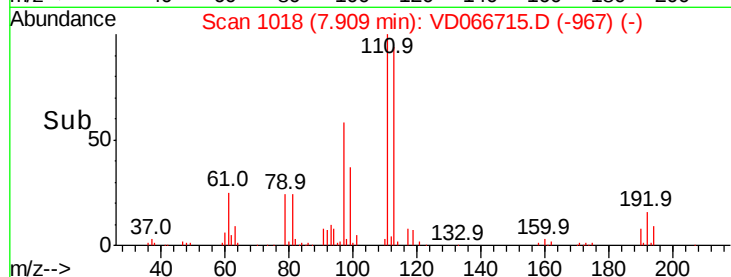
192 18.0 14.8 22.2



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: 19.991 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

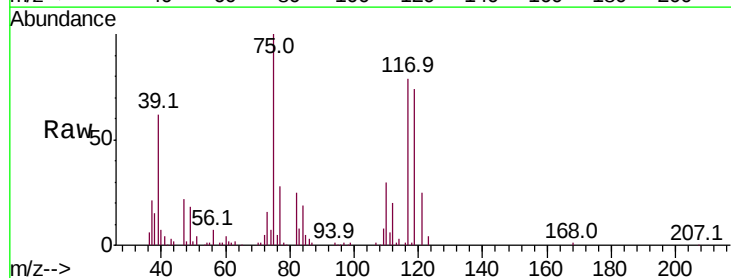
Tgt Ion: 75 Resp: 141936

Ion Ratio Lower Upper

75 100

110 33.6 17.1 51.2

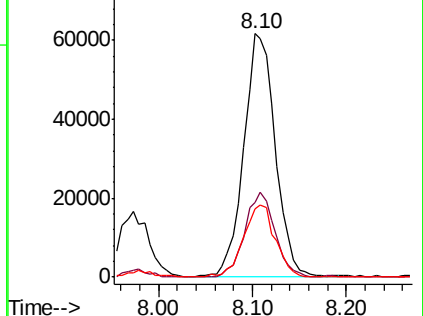
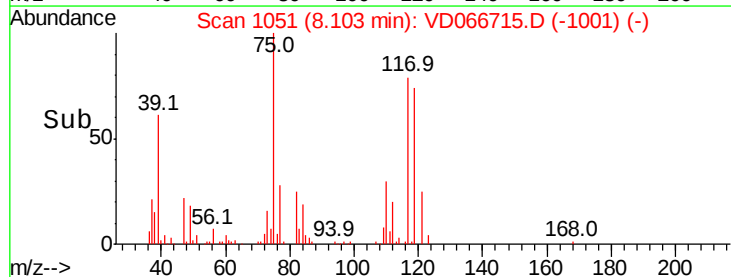
77 30.2 25.0 37.6

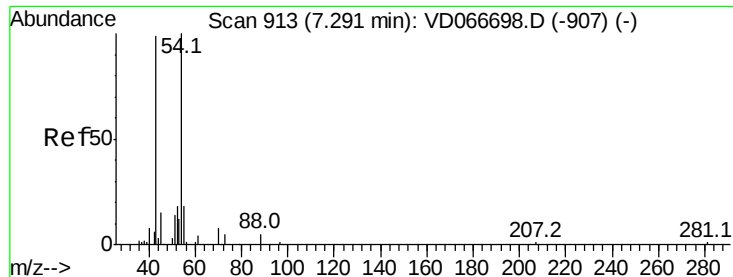


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

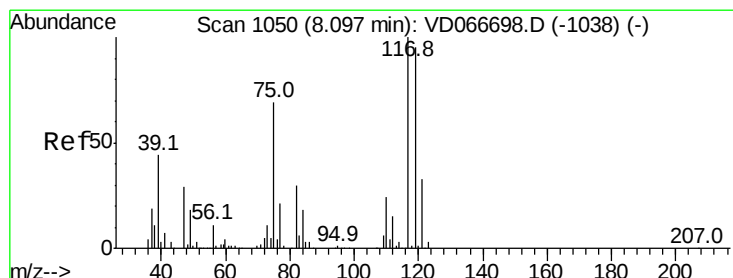
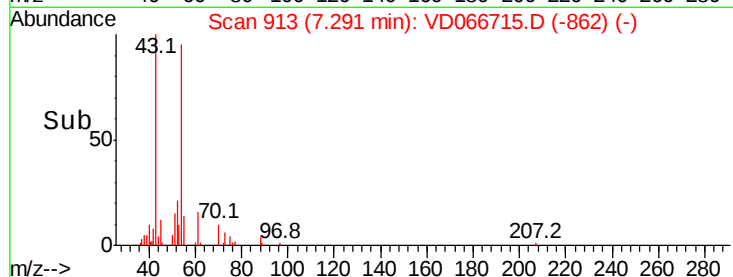
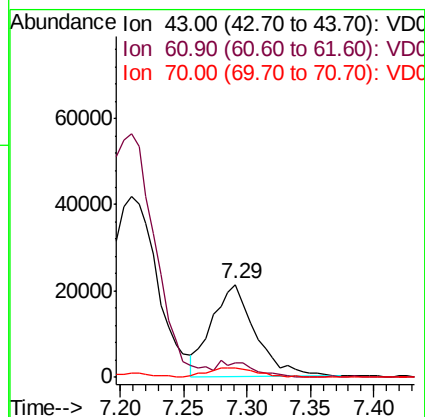
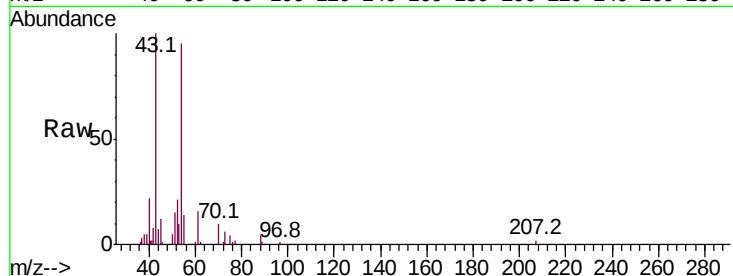




#37
Ethyl Acetate
Concen: 18.885 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

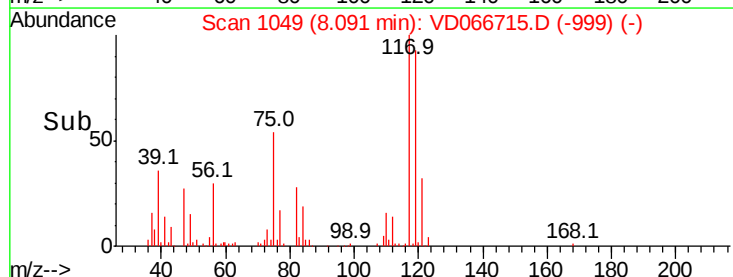
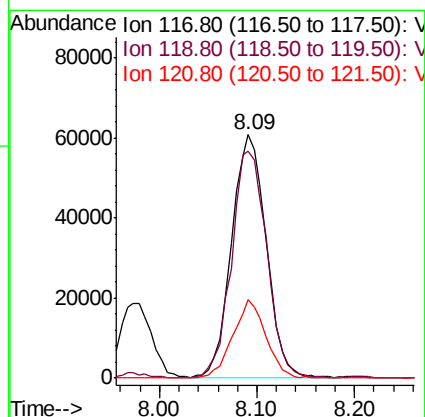
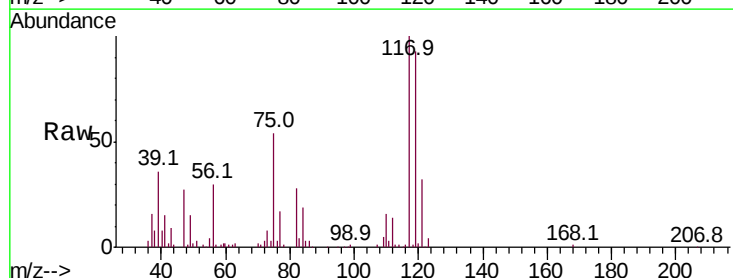
Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

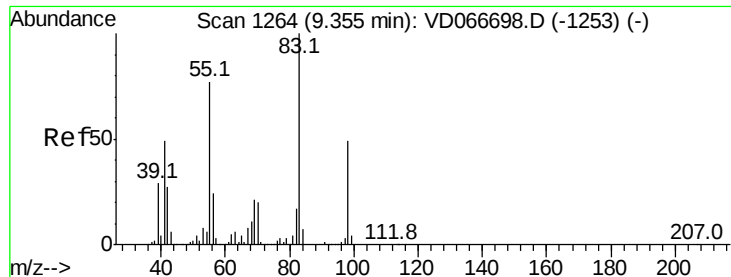
Tot Ion: 43 Resp: 50760
Ion Ratio Lower Upper
43 100
61 14.3 10.4 15.6
70 11.7 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 20.032 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion: 117 Resp: 151035
Ion Ratio Lower Upper
117 100
119 92.8 75.8 113.6
121 32.1 26.2 39.4

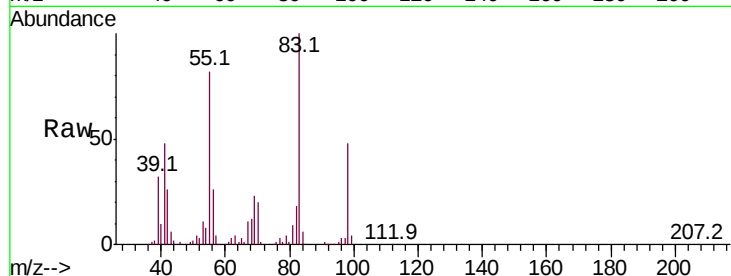




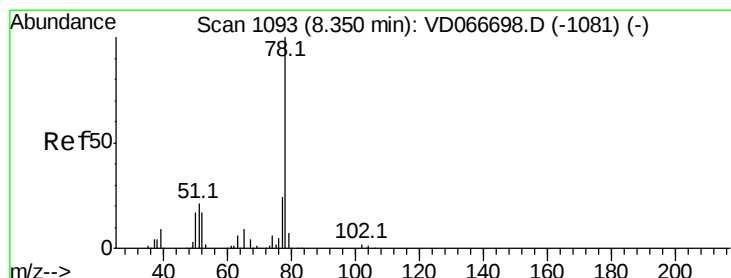
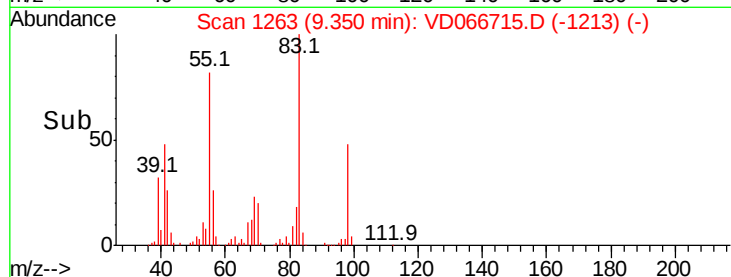
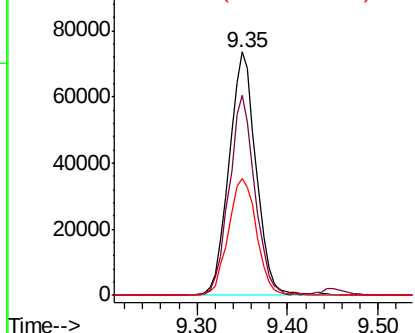
#39
Methvlcvclohexane
Concen: 18.766 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	83	Resp	152398
Ion Ratio	100		
Lower	61.5		
Upper	92.3		
83	100		
55	82.2		
98	47.9		

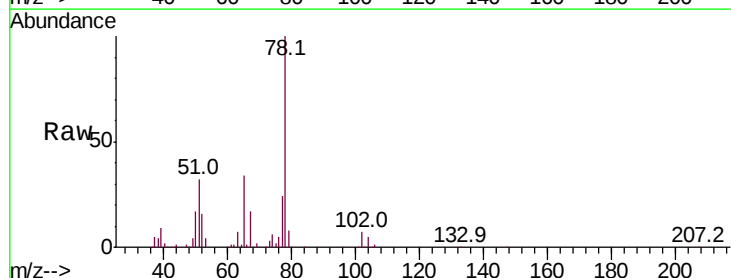


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

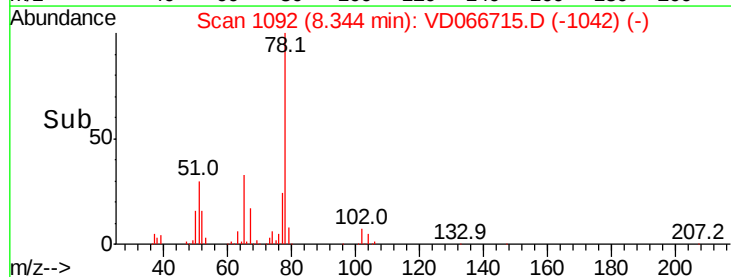
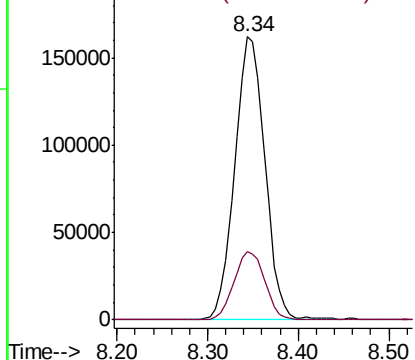


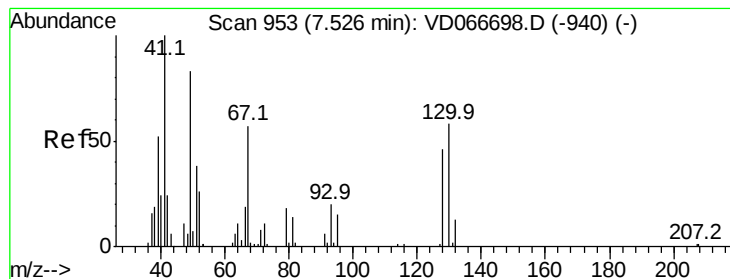
#40
Benzene
Concen: 19.536 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	78	Resp	375258
Ion Ratio	100		
Lower	19.3		
Upper	28.9		
78	100		
77	24.0		



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





#41

Methacrylonitrile

Concen: 49.726 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.03 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 41 Resp: 70759

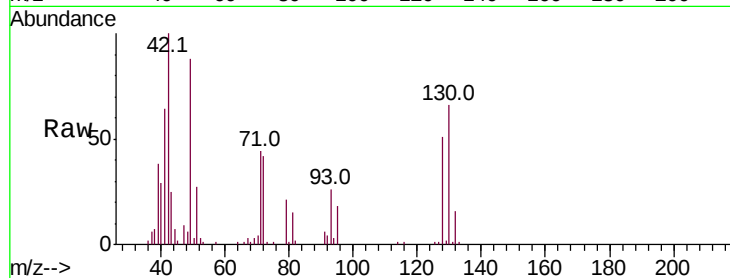
Ion Ratio Lower Upper

41 100

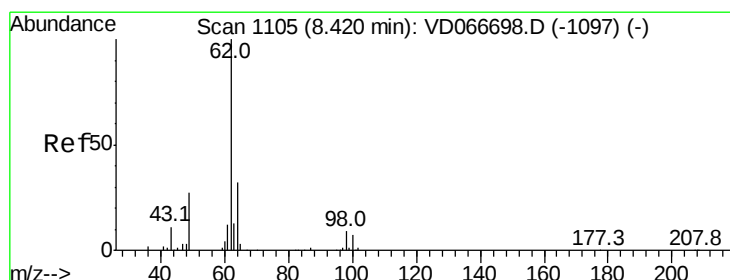
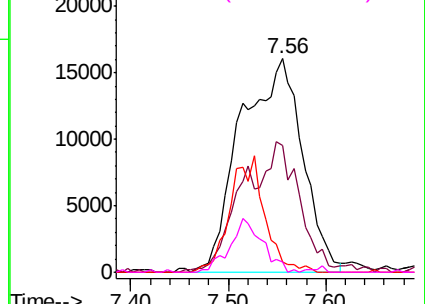
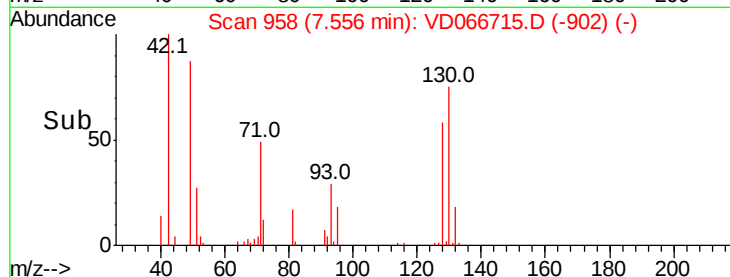
39 30.7 59.3 88.9#

67 0.0 62.3 93.5#

52 0.0 28.0 42.0#



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



#42

1,2-Dichloroethane

Concen: 19.508 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066715.D

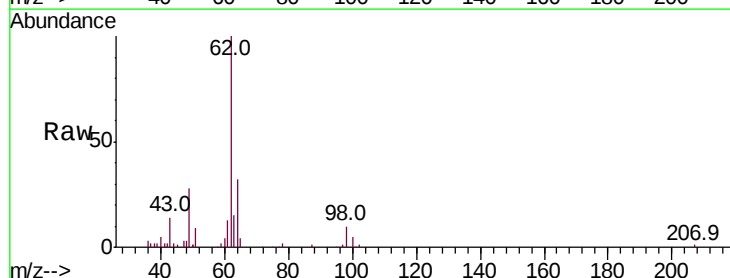
Acq: 16 Sep 2020 13:15

Tgt Ion: 62 Resp: 116087

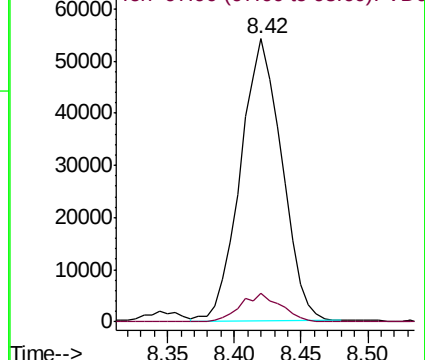
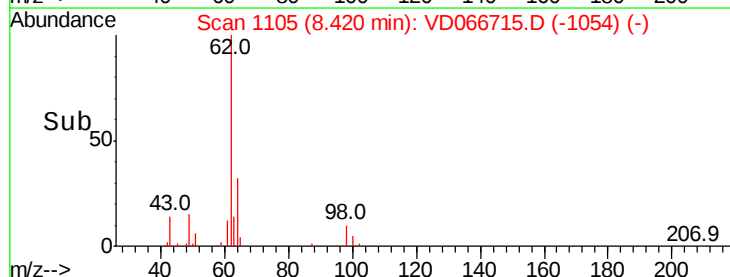
Ion Ratio Lower Upper

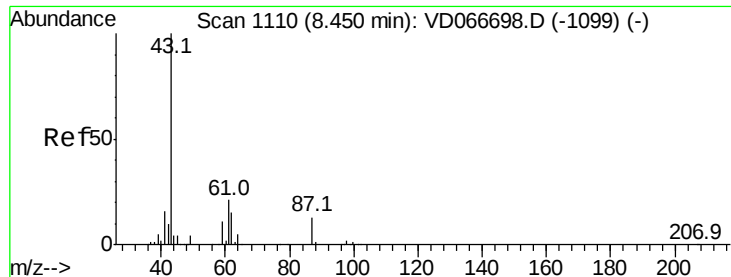
62 100

98 10.0 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: 19.558 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

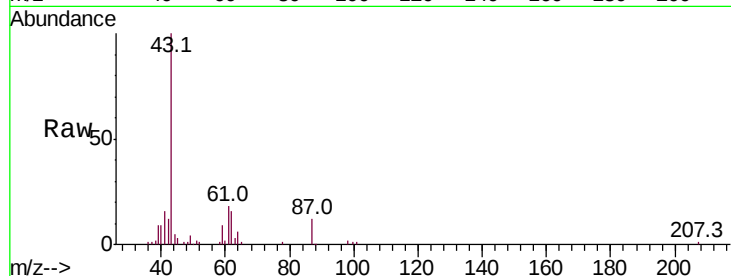
Tot Ion: 43 Resp: 98948

Ion Ratio Lower Upper

43 100

61 31.3 24.8 37.2

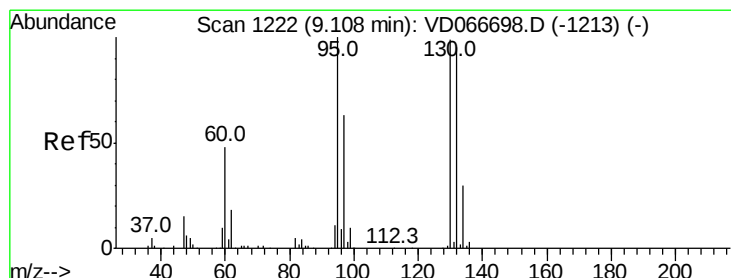
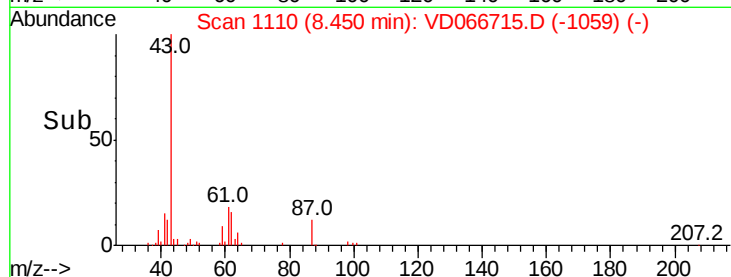
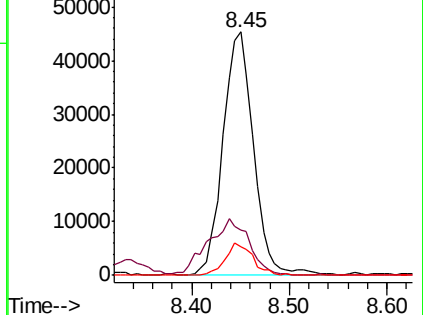
87 12.0 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.398 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066715.D

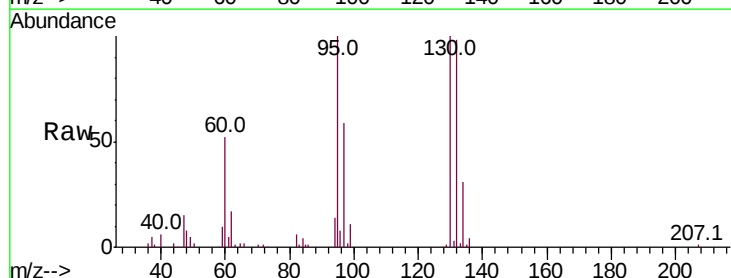
Acq: 16 Sep 2020 13:15

Tgt Ion: 130 Resp: 99624

Ion Ratio Lower Upper

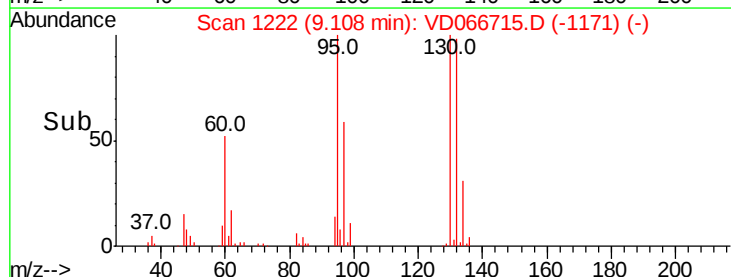
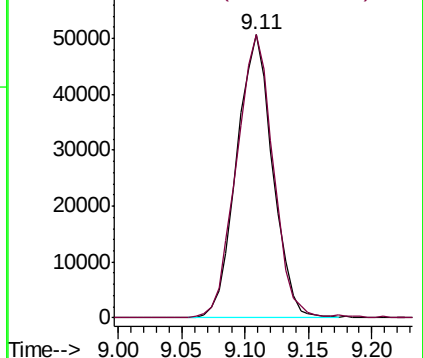
130 100

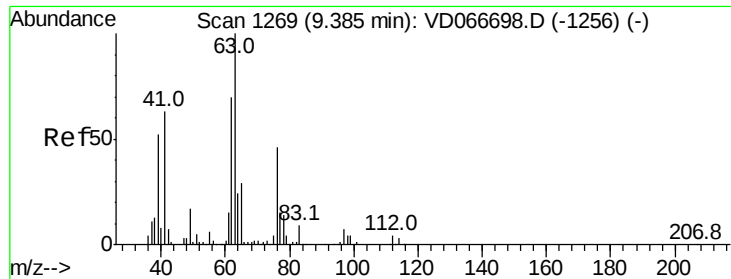
95 100.1 0.0 201.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.552 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

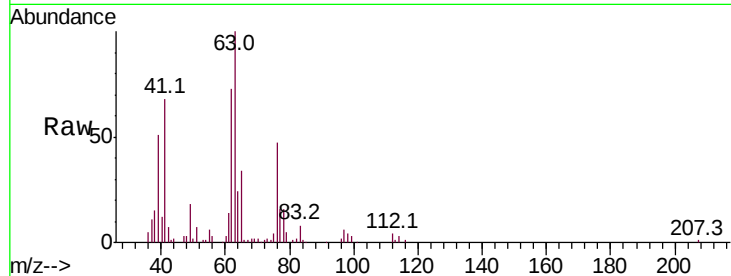
VD0916SBS01

Tot Ion: 63 Resp: 92845

Ion Ratio Lower Upper

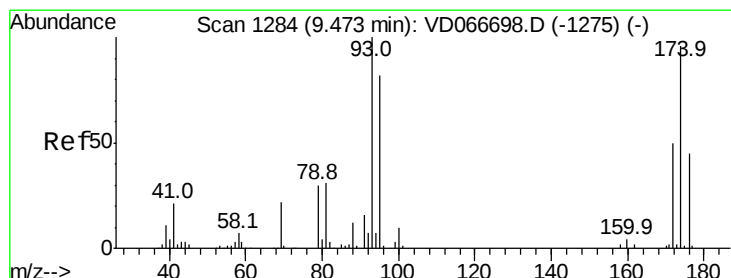
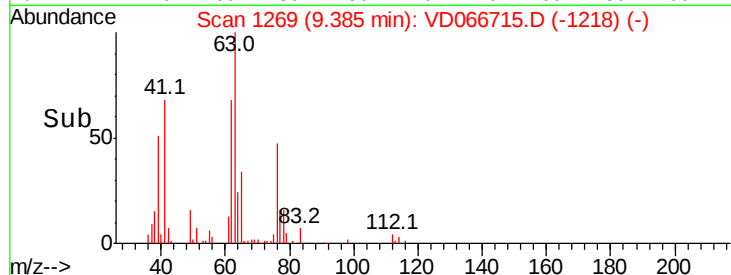
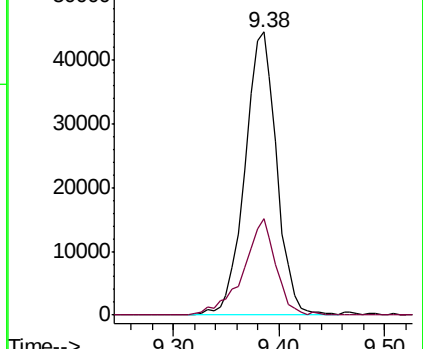
63 100

65 33.9 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.061 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

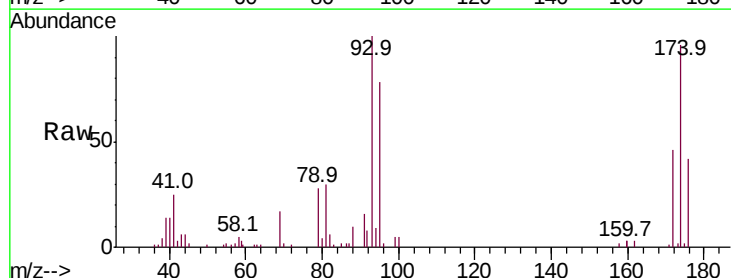
Tgt Ion: 93 Resp: 52347

Ion Ratio Lower Upper

93 100

95 79.7 66.0 99.0

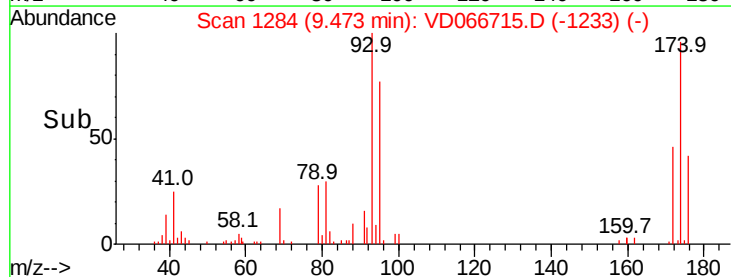
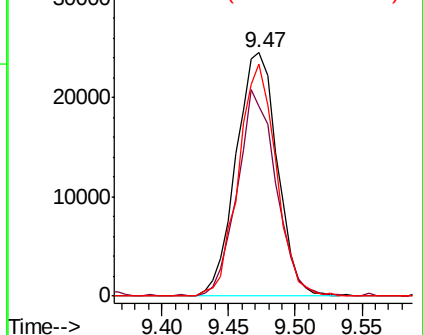
174 87.1 72.3 108.5

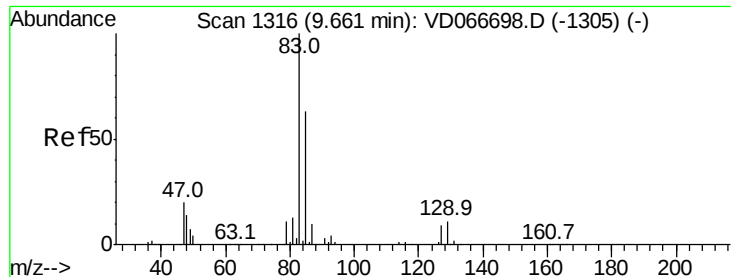


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.683 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

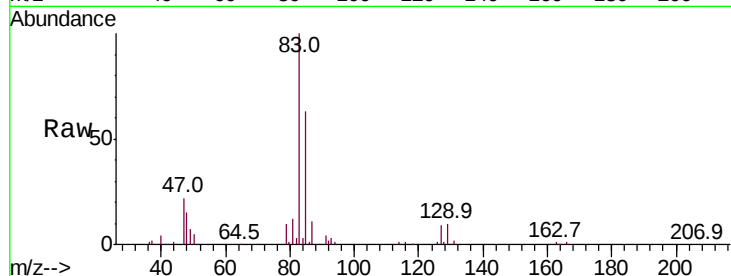
Tot Ion: 83 Resp: 139950

Ion Ratio Lower Upper

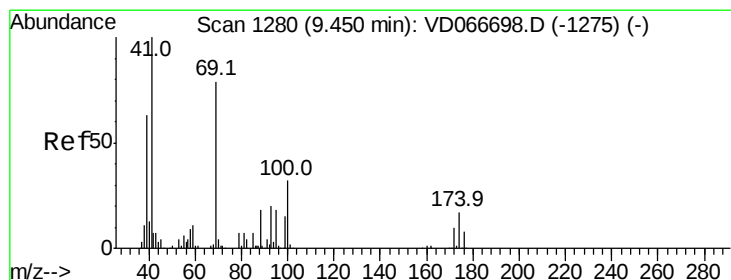
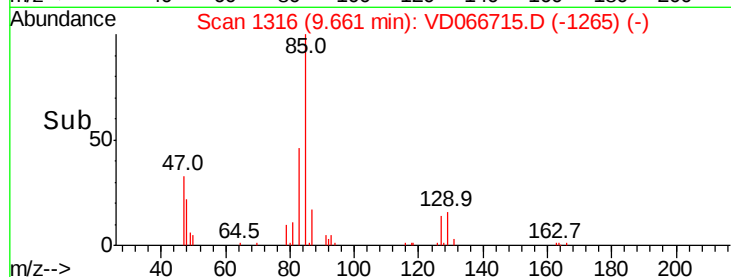
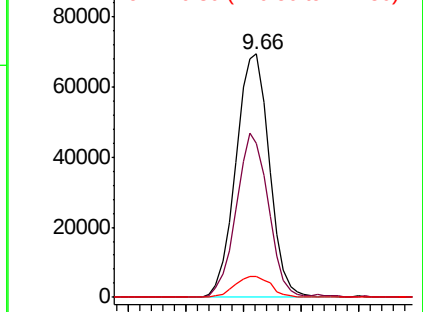
83 100

85 63.1 50.1 75.1

127 8.6 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: 19.823 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

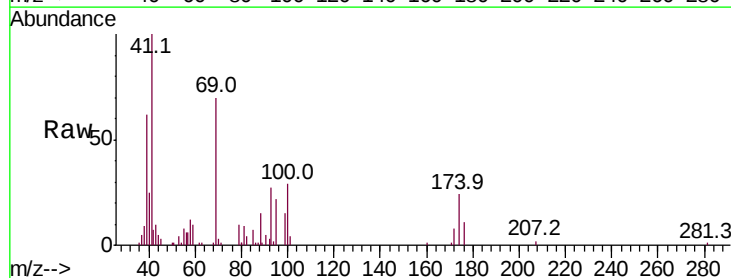
Tgt Ion: 41 Resp: 51011

Ion Ratio Lower Upper

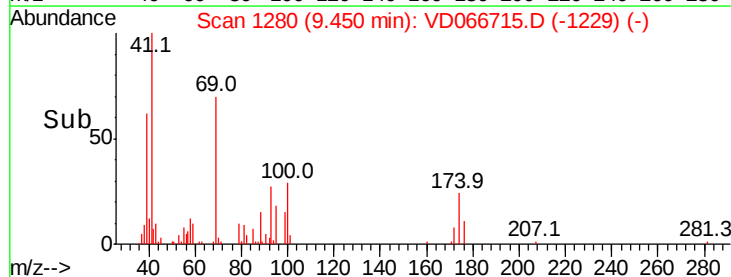
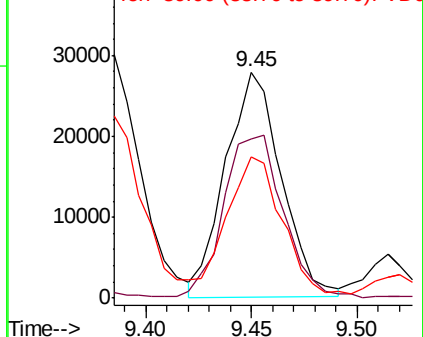
41 100

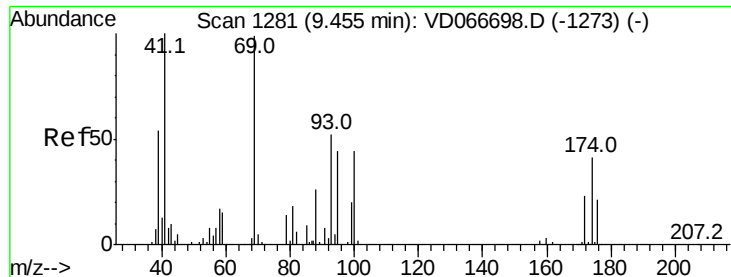
69 78.0 62.4 93.6

39 59.9 44.8 67.2



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





#49

1,4-Dioxane

Concen: 392.538 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

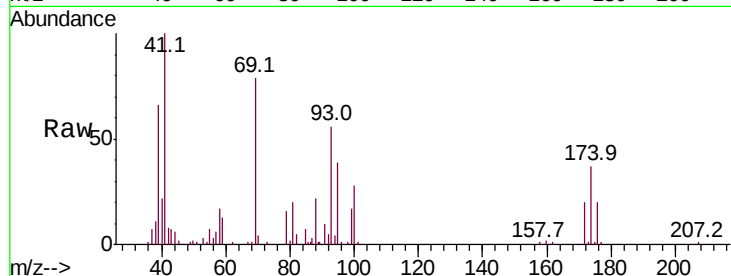
Tot Ion: 88 Resp: 10972

Ion Ratio Lower Upper

88 100

43 35.9 29.3 43.9

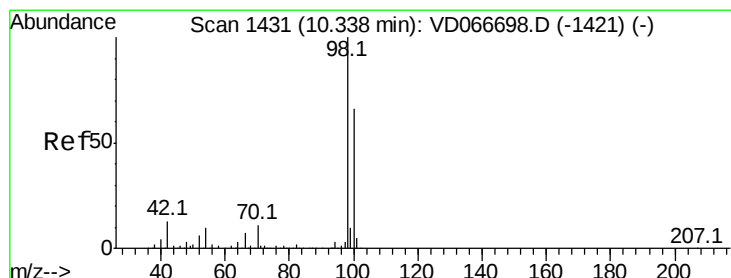
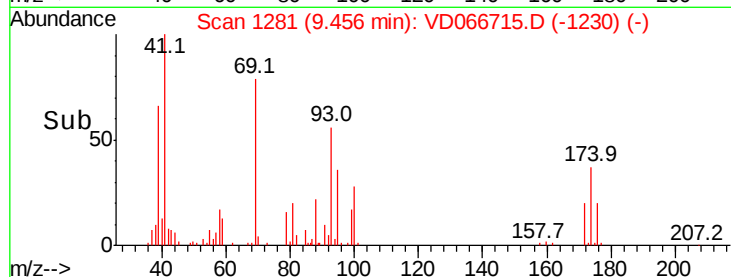
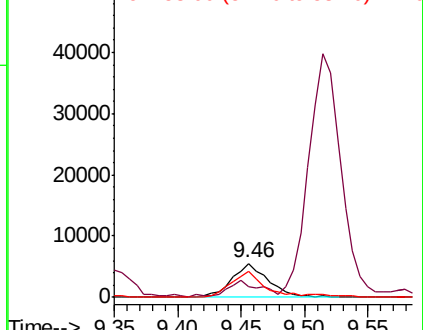
58 70.4 51.4 77.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 53.989 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066715.D

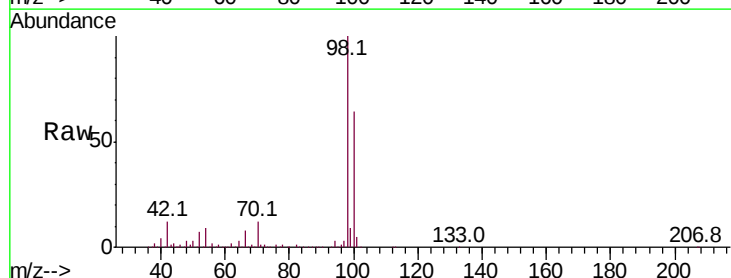
Acq: 16 Sep 2020 13:15

Tgt Ion: 98 Resp: 814357

Ion Ratio Lower Upper

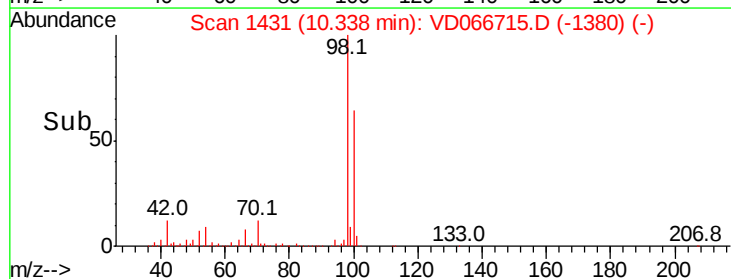
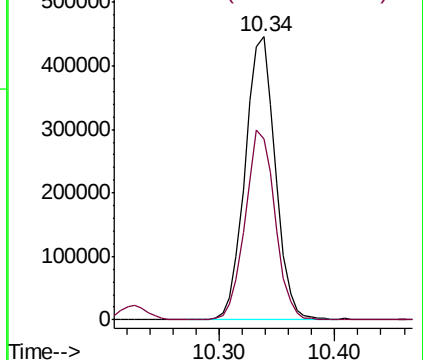
98 100

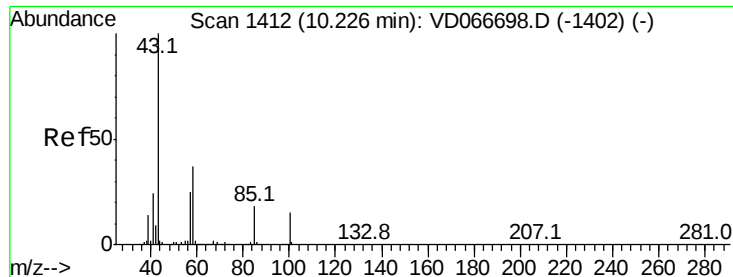
100 66.5 52.7 79.1



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: 93.642 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

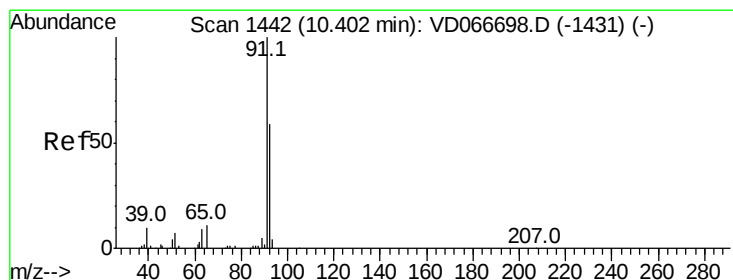
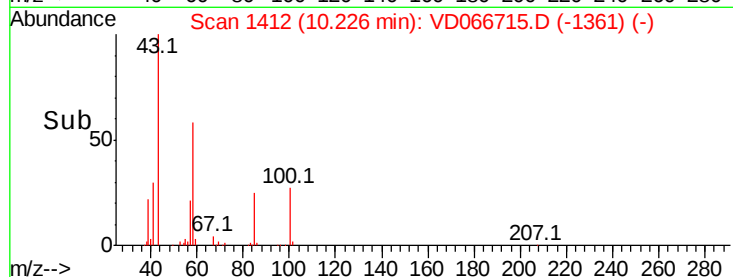
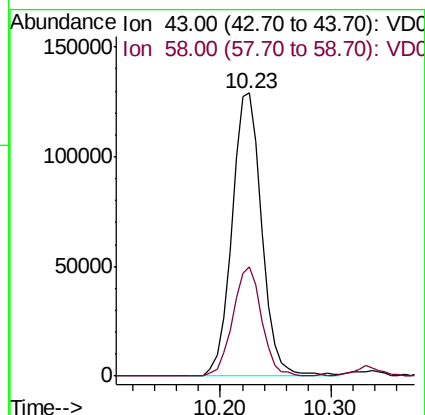
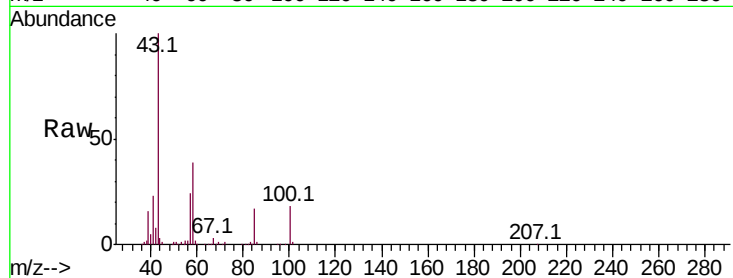
VD0916SBS01

Tot Ion: 43 Resp: 243900

Ion Ratio Lower Upper

43 100

58 37.4 30.4 45.6



#52

Toluene

Concen: 19.779 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066715.D

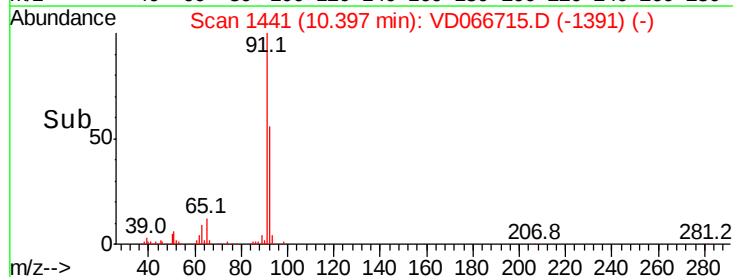
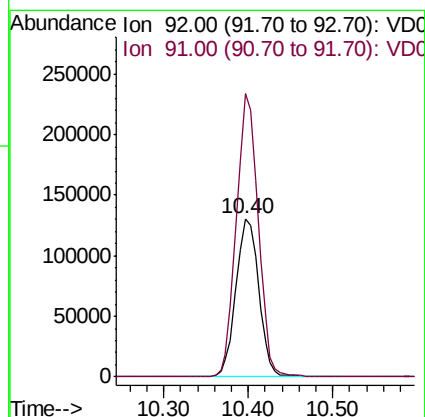
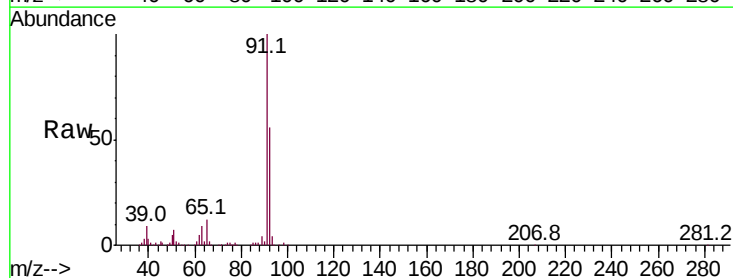
Acq: 16 Sep 2020 13:15

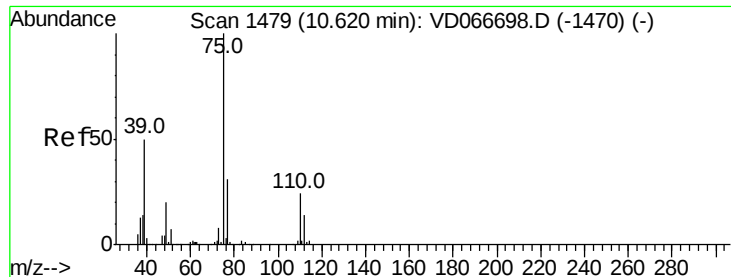
Tgt Ion: 92 Resp: 243384

Ion Ratio Lower Upper

92 100

91 170.7 135.8 203.8





#53

t-1,3-Dichloropropene

Concen: 19.441 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

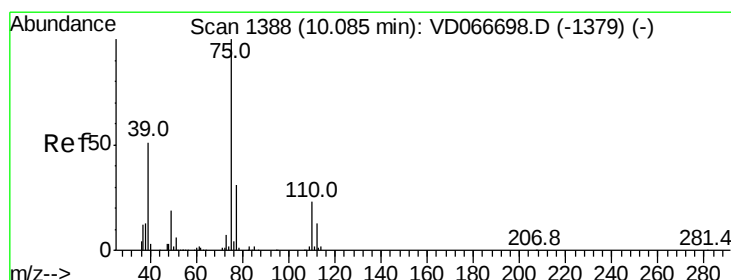
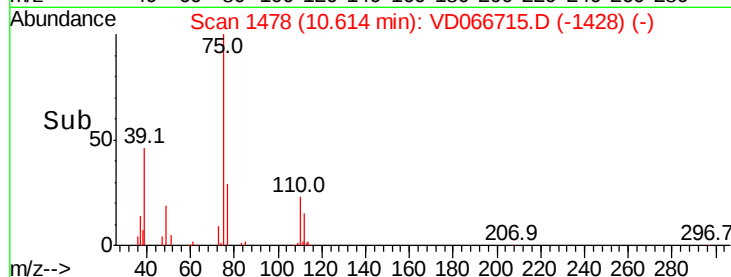
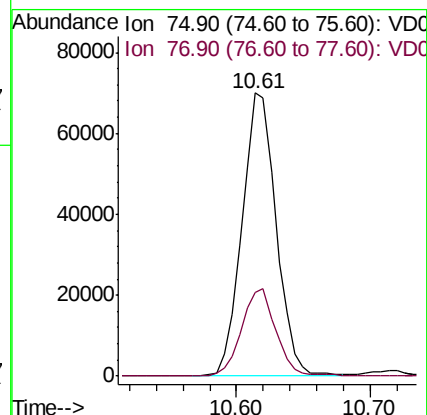
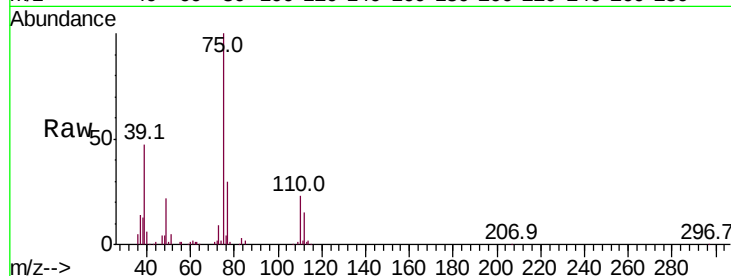
VD0916SBS01

Tot Ion: 75 Resp: 123489

Ion Ratio Lower Upper

75 100

77 29.6 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 19.585 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

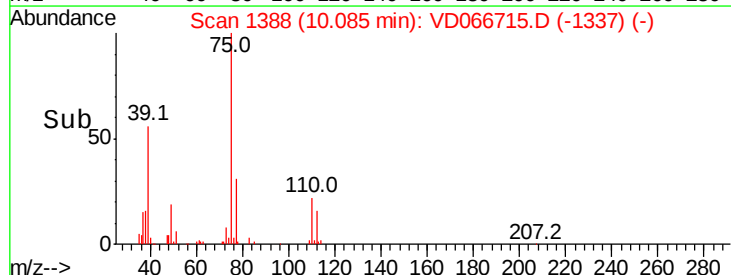
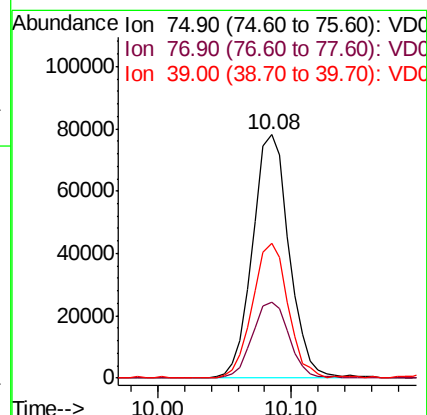
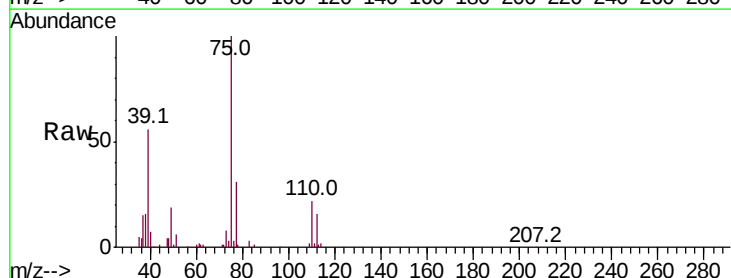
Tgt Ion: 75 Resp: 147761

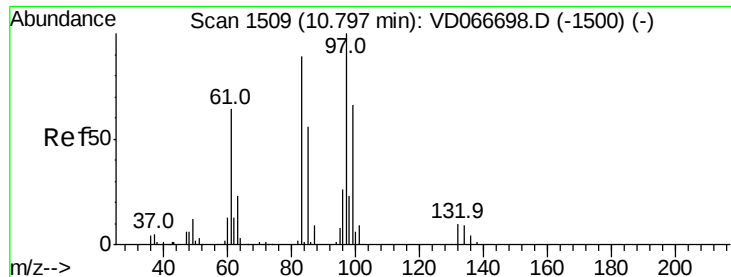
Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6

39 55.3 40.6 61.0





#55

1,1,2-Trichloroethane

Concen: 19.761 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 97 Resp: 67985

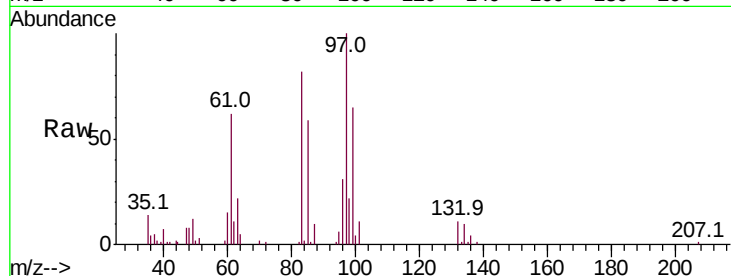
Ion Ratio Lower Upper

97 100

83 81.5 71.4 107.2

85 58.5 44.7 67.1

99 64.7 52.4 78.6

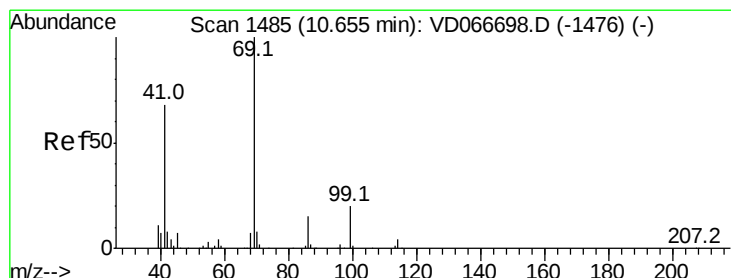
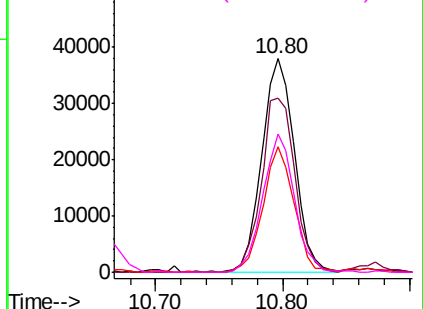
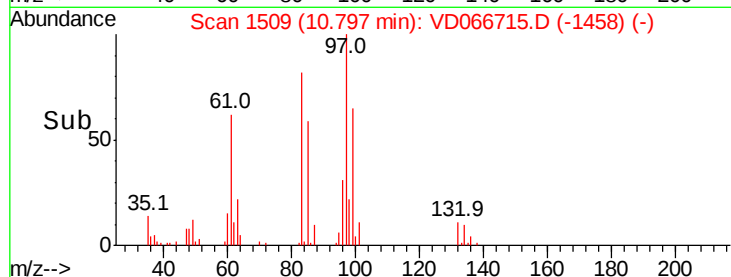


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 18.927 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

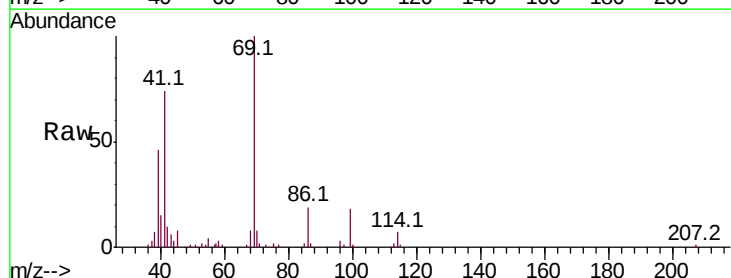
Tgt Ion: 69 Resp: 73894

Ion Ratio Lower Upper

69 100

41 70.7 55.5 83.3

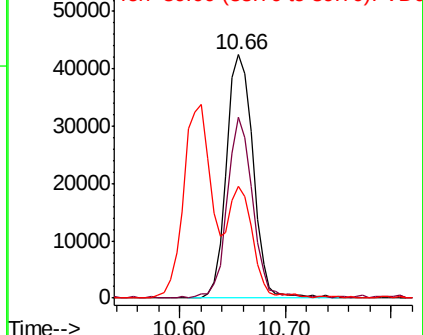
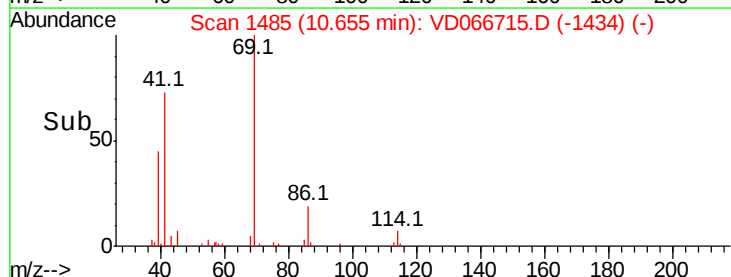
39 43.1 29.7 44.5

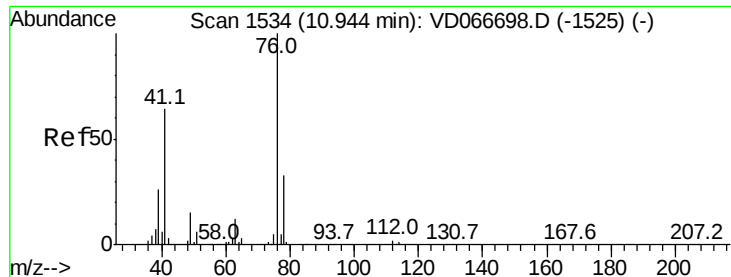


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.538 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

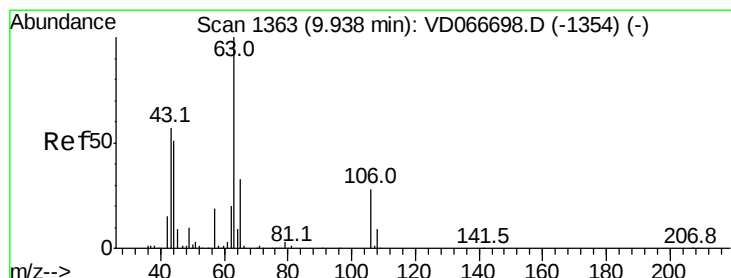
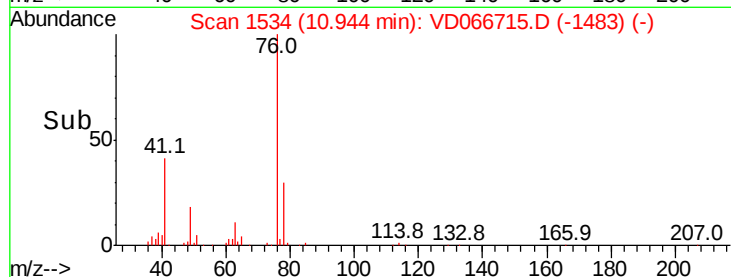
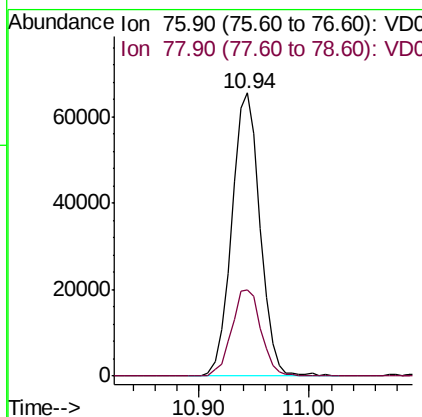
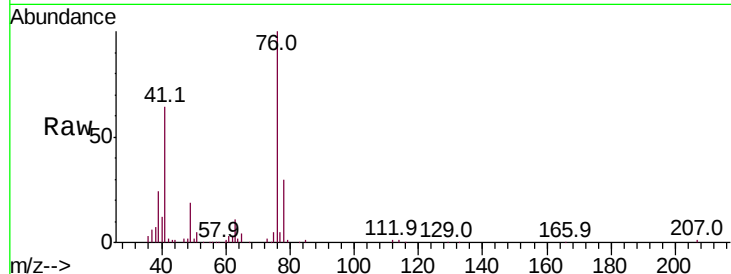
Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion: 76 Resp: 117963

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.2



#58

2-Chloroethyl Vinyl ether

Concen: 110.892 ug/l

RT: 9.94 min Scan# 1363

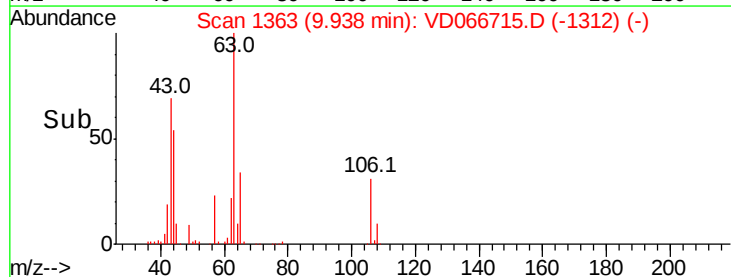
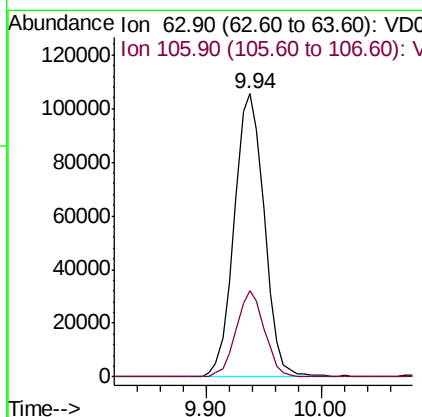
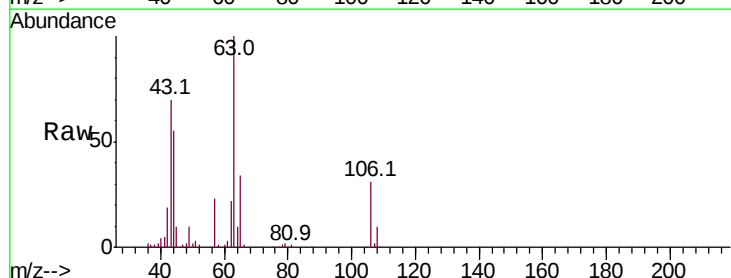
Delta R.T. 0.00 min

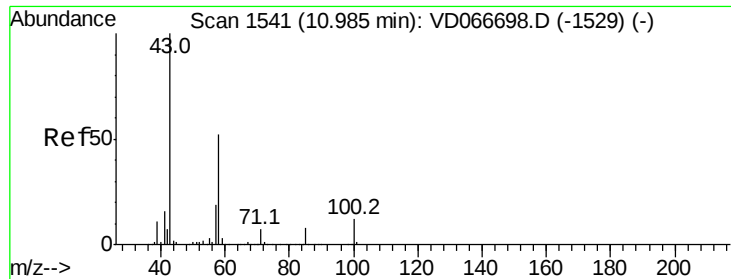
Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion: 63 Resp: 190144

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.2	33.4

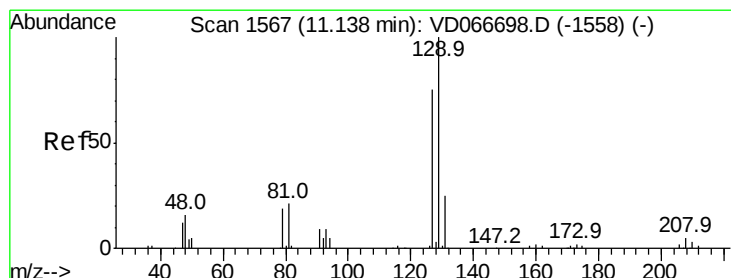
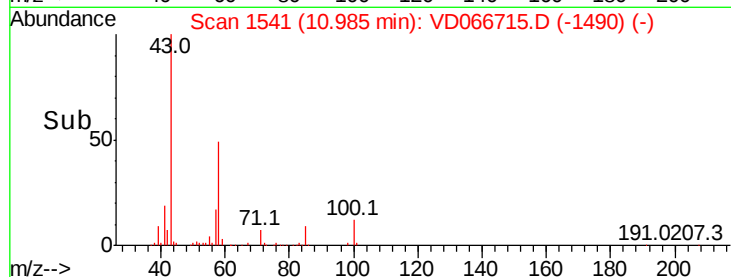
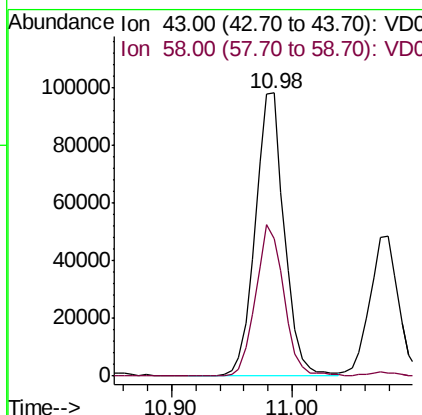
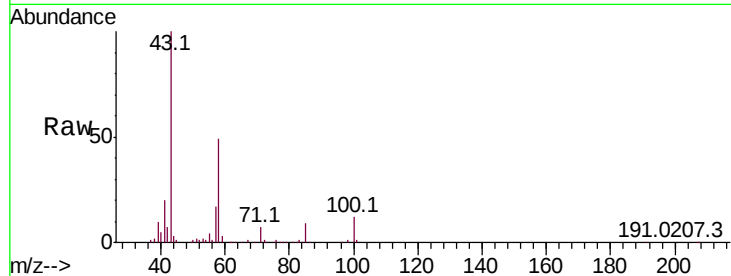




#59
2-Hexanone
Concen: 94.457 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

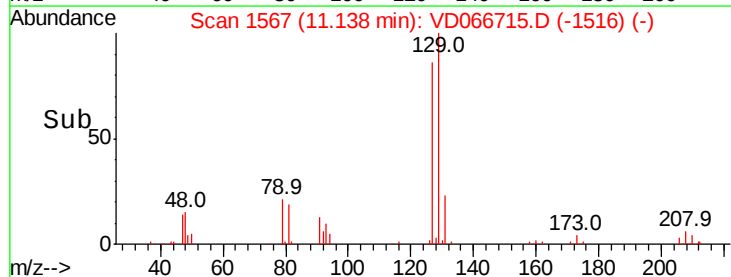
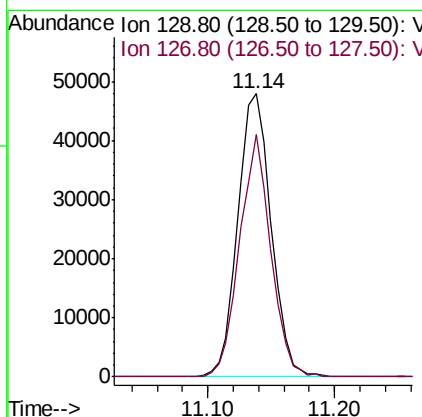
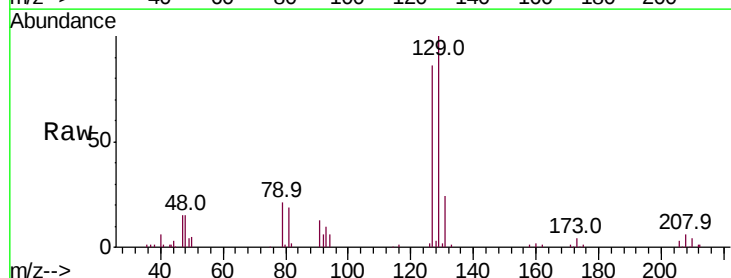
Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

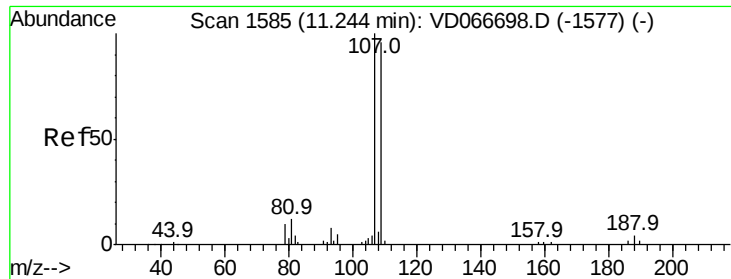
Tot Ion: 43 Resp: 165306
Ion Ratio Lower Upper
43 100
58 52.0 26.2 78.5



#60
Dibromochloromethane
Concen: 19.519 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion: 129 Resp: 87500
Ion Ratio Lower Upper
129 100
127 79.8 38.1 114.3

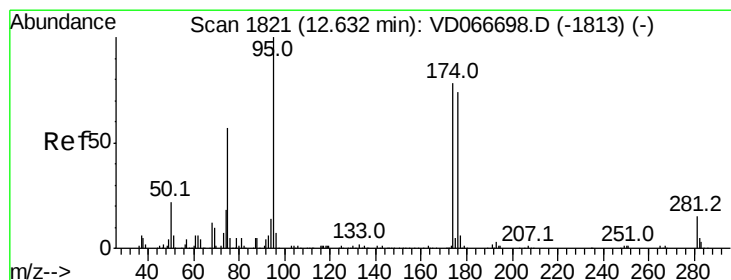
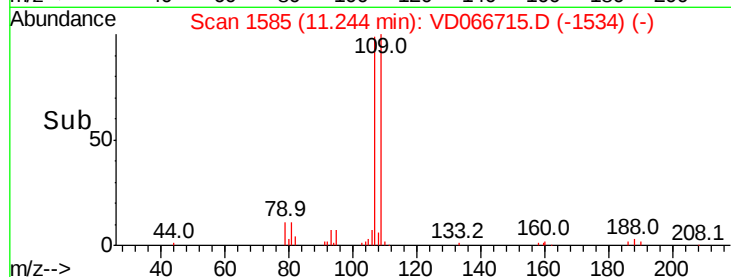
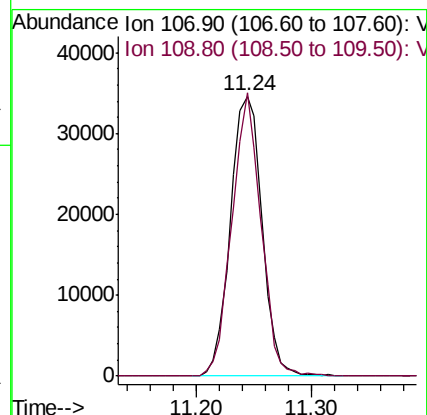
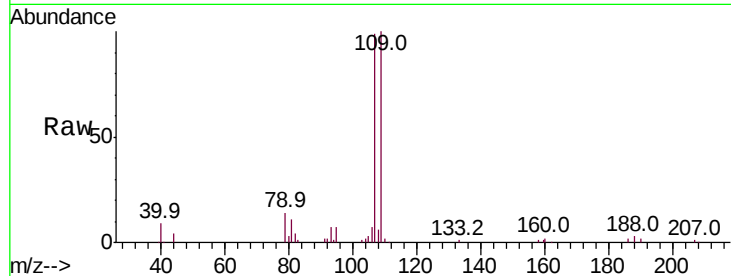




#61
 1,2-Dibromoethane
 Concen: 19.967 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

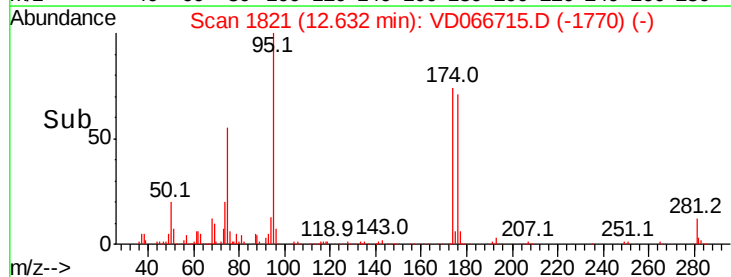
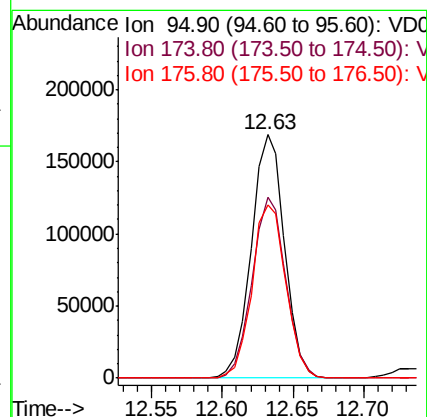
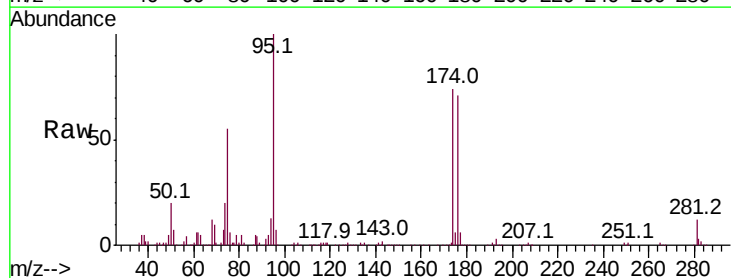
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

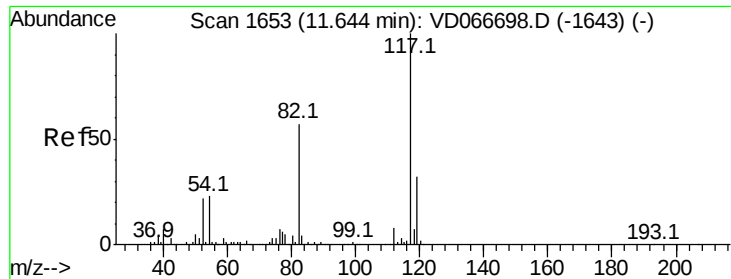
Tot Ion:107 Resp: 65894
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 53.471 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion: 95 Resp: 278412
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 156.6
 176 72.9 0.0 150.2

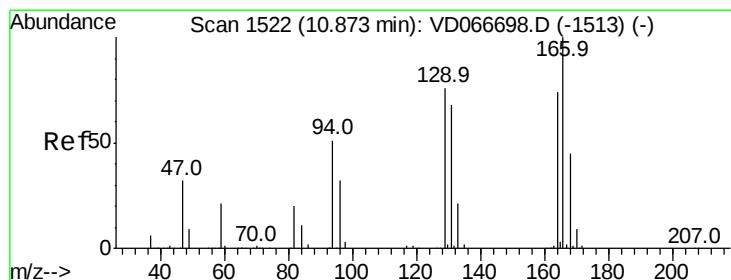
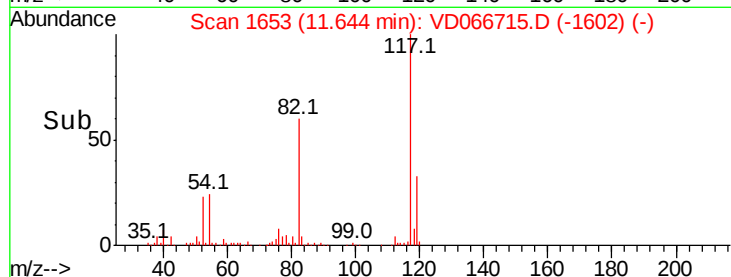
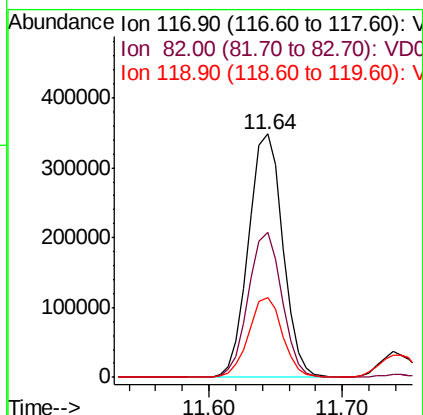
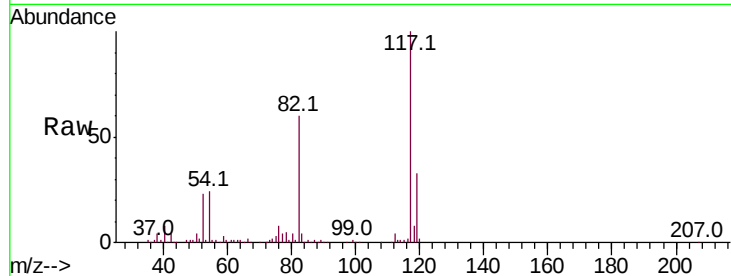




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

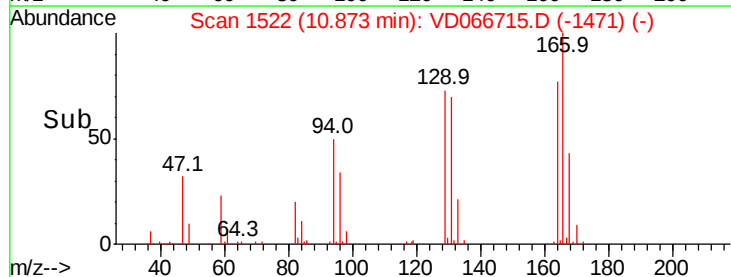
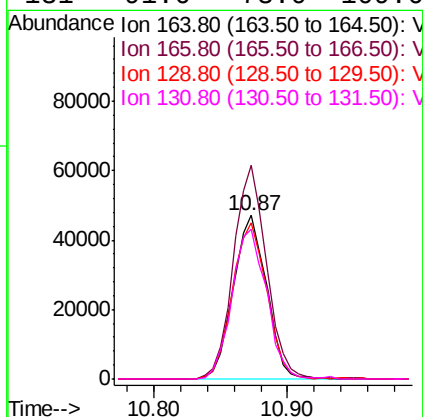
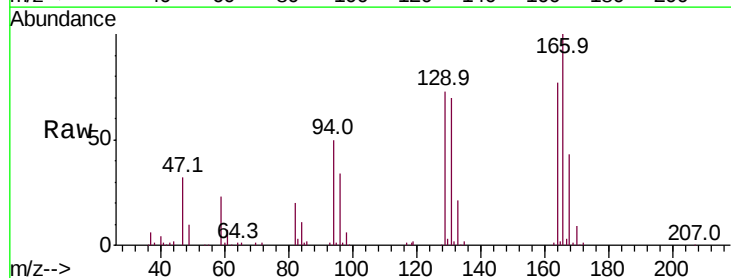
Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

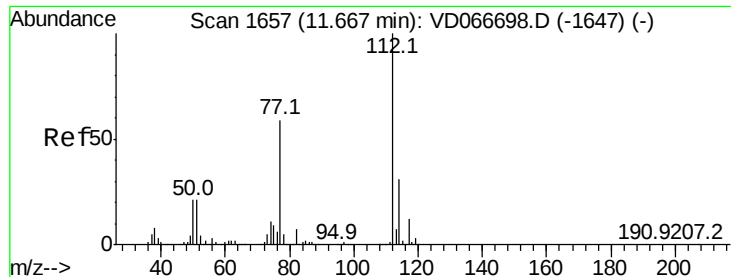
Tot Ion:117 Resp: 617722
Ion Ratio Lower Upper
117 100
82 59.7 45.4 68.0
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 19.382 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion:164 Resp: 81730
Ion Ratio Lower Upper
164 100
166 130.4 107.5 161.3
129 95.0 81.4 122.0
131 91.6 73.0 109.6





#65

Chlorobenzene

Concen: 19.736 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

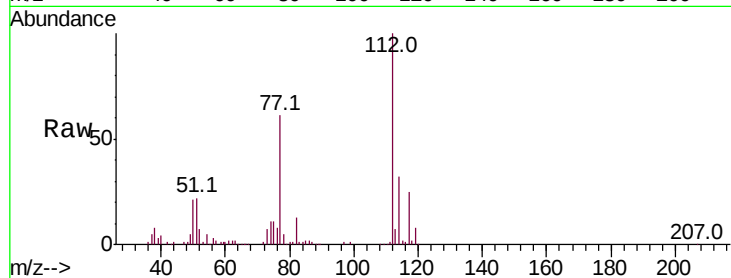
VD0916SBS01

Tot Ion:112 Resp: 252416

Ion Ratio Lower Upper

112 100

114 32.5 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

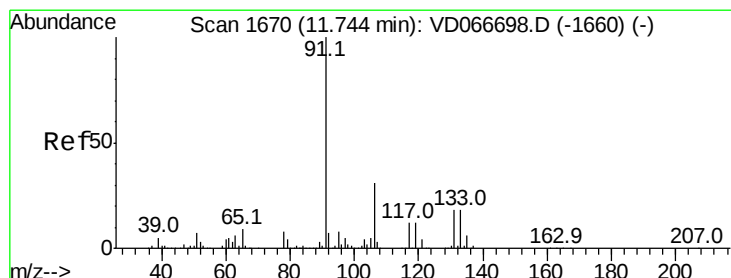
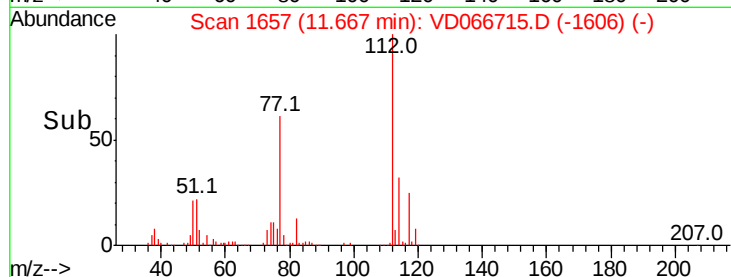
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.955 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

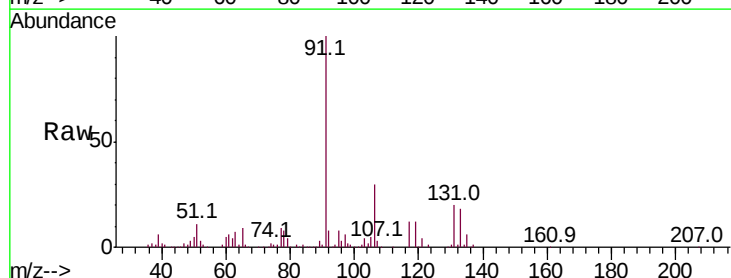
Tgt Ion:131 Resp: 94163

Ion Ratio Lower Upper

131 100

133 94.5 47.8 143.3

119 64.1 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

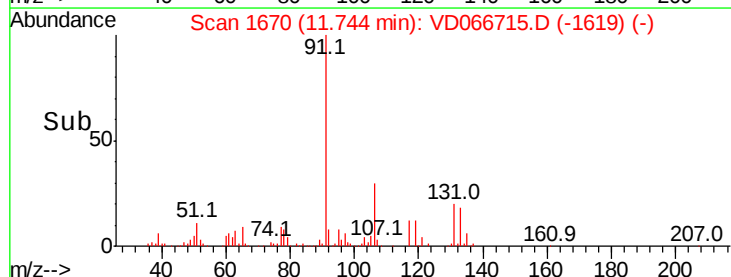
150000

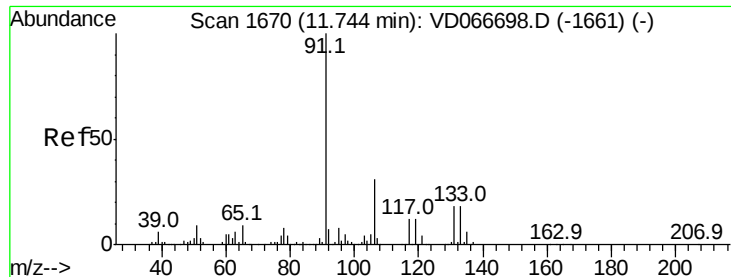
100000

50000

0

Time-->

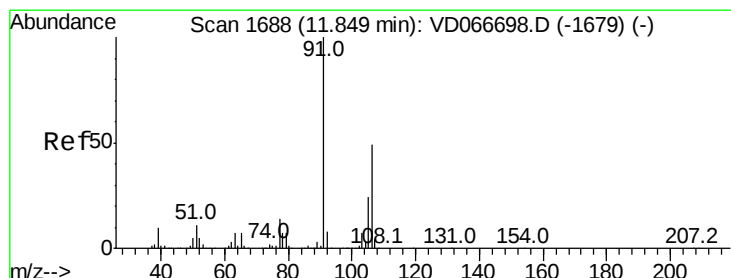
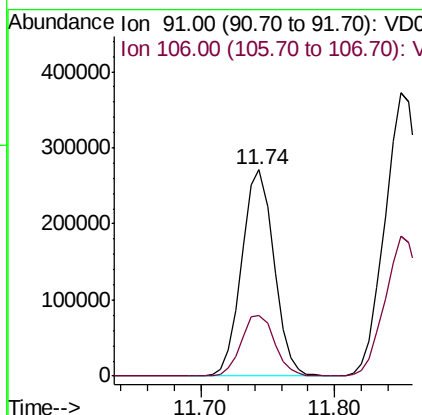
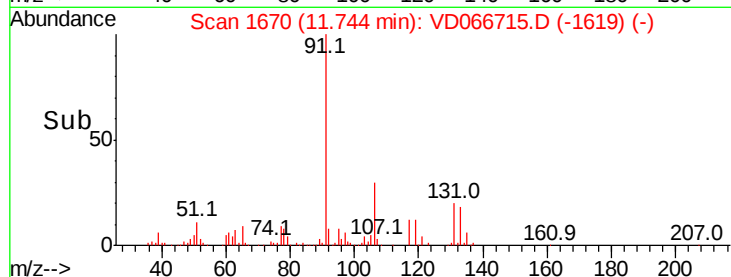
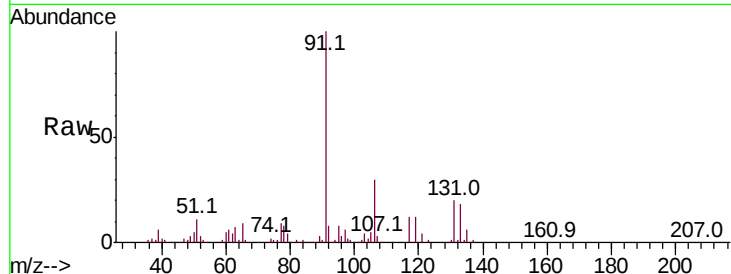




#67
Ethyl Benzene
Concen: 19.605 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

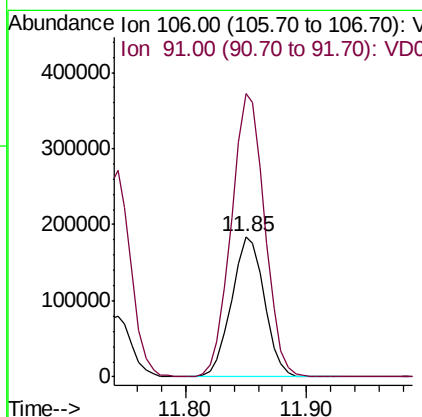
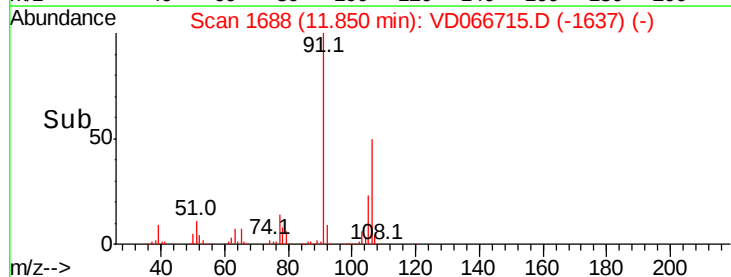
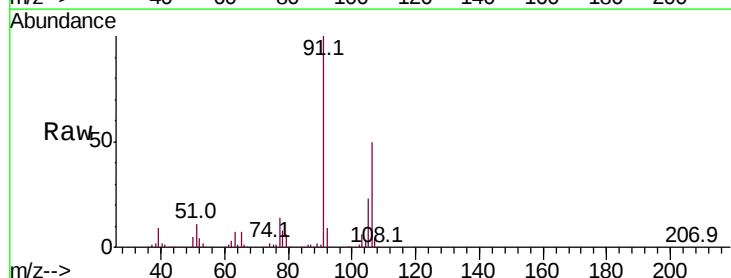
Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

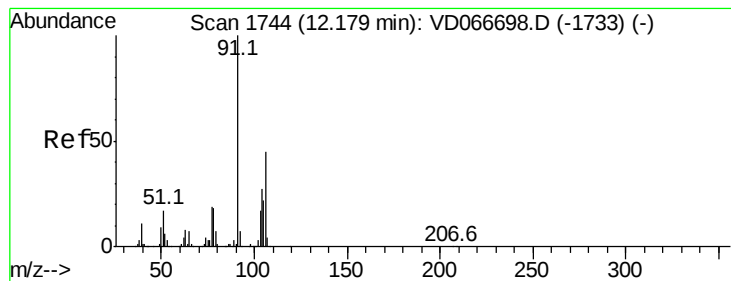
Tot Ion: 91 Resp: 454163
Ion Ratio Lower Upper
91 100
106 29.5 25.1 37.7



#68
m/p-Xylenes
Concen: 39.736 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion: 106 Resp: 347912
Ion Ratio Lower Upper
106 100
91 205.9 164.8 247.2





#69

o-Xylene

Concen: 19.404 ug/l

RT: 12.18 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

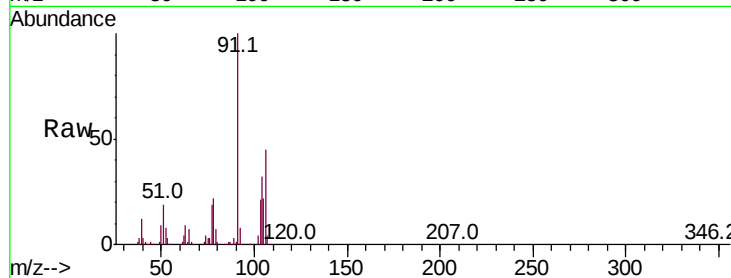
VD0916SBS01

Tot Ion:106 Resp: 150130

Ion Ratio Lower Upper

106 100

91 221.5 109.4 328.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

12.18

200000

150000

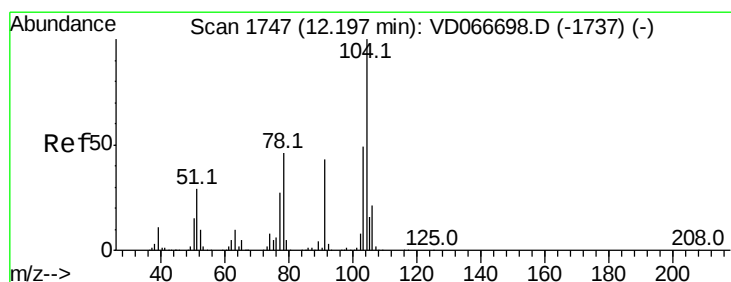
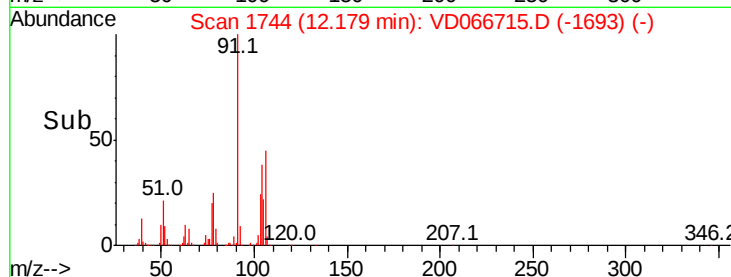
100000

50000

0

12.10 12.20

Time-->



#70

Styrene

Concen: 19.790 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

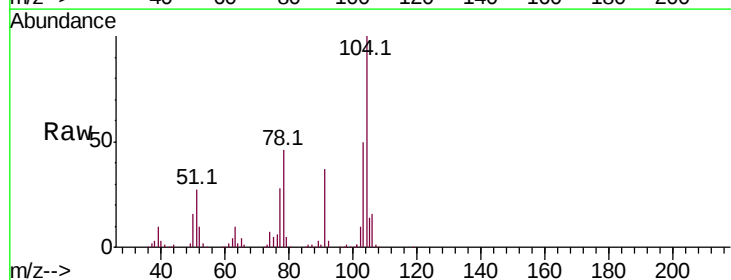
Tgt Ion:104 Resp: 269503

Ion Ratio Lower Upper

104 100

78 51.6 40.2 60.4

103 54.6 42.5 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V

12.20

200000

150000

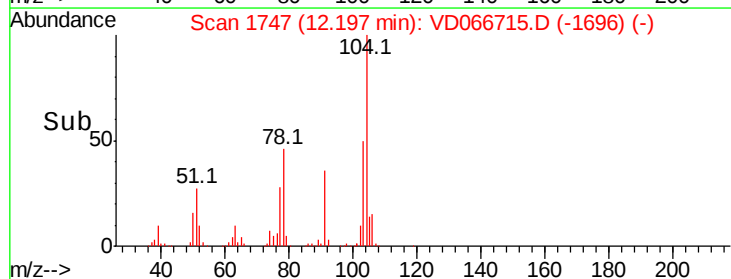
100000

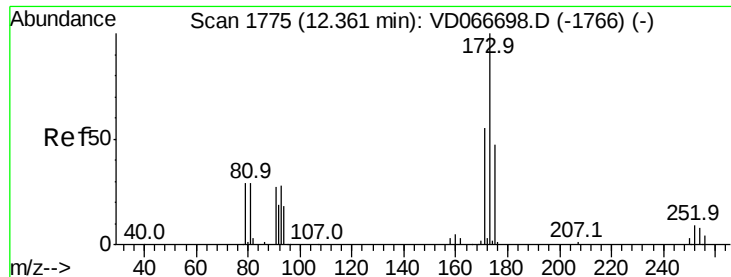
50000

0

12.10 12.20 12.30

Time-->





#71

Bromoform

Concen: 19.605 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

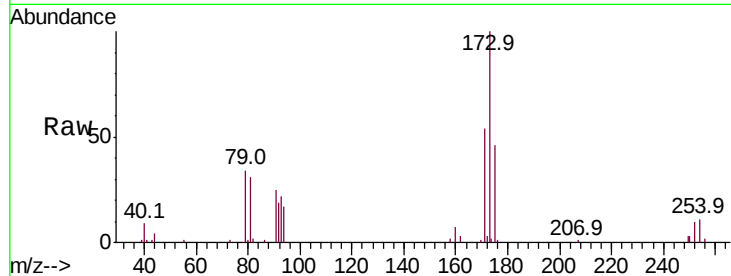
Tot Ion:173 Resp: 46429

Ion Ratio Lower Upper

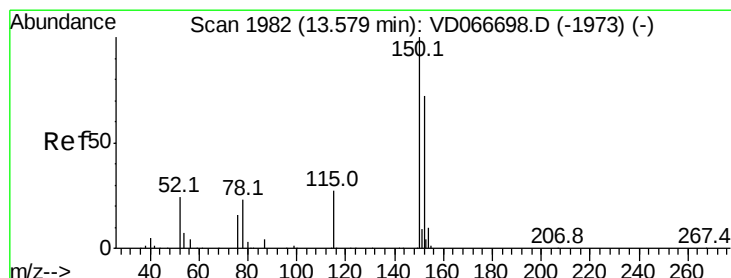
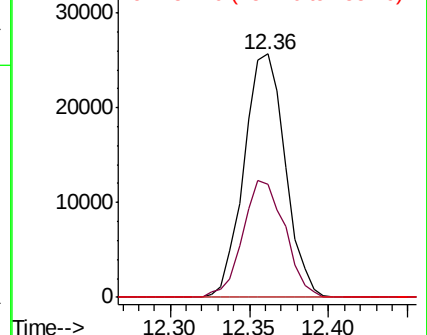
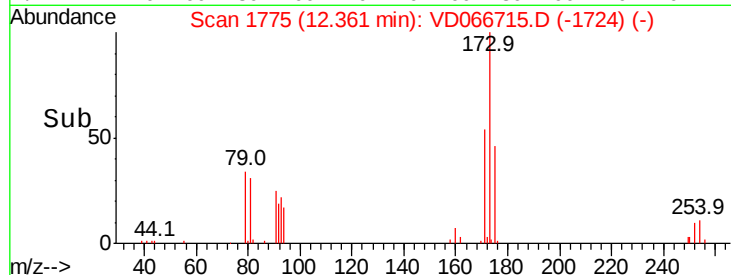
173 100

175 49.1 24.3 72.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

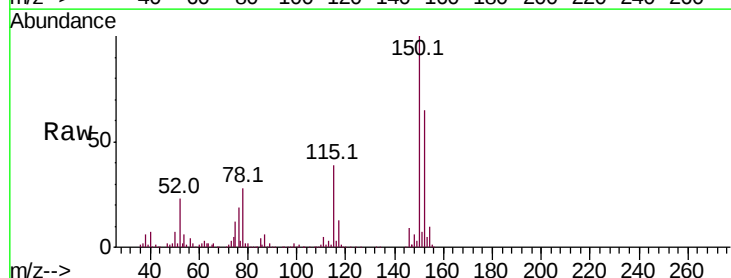
Tgt Ion:152 Resp: 288861

Ion Ratio Lower Upper

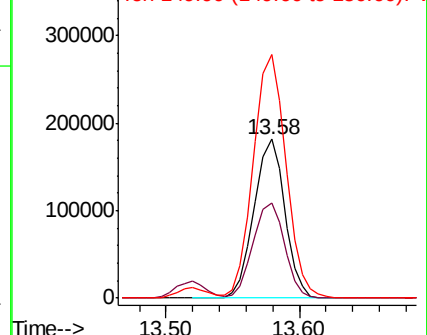
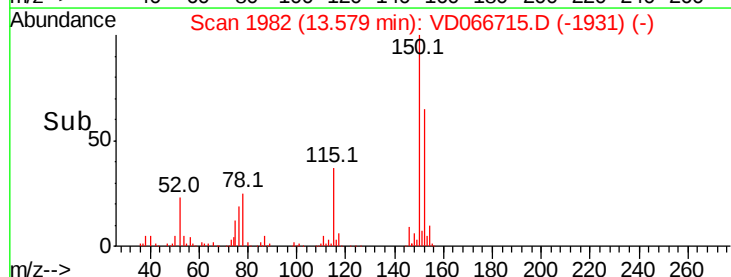
152 100

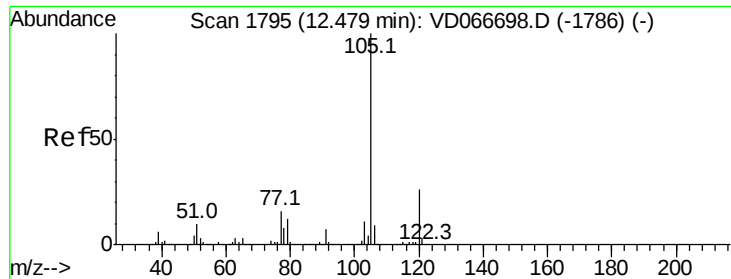
115 61.6 30.5 91.5

150 163.1 0.0 344.6



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: 19.844 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

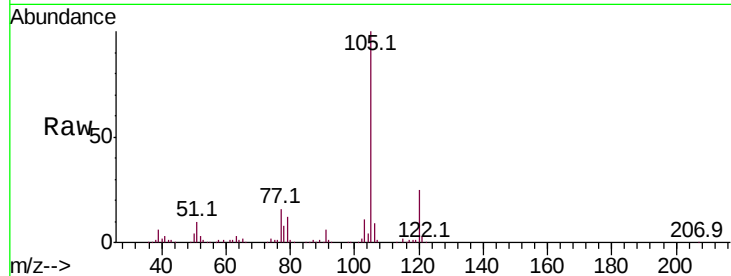
VD0916SBS01

Tot Ion:105 Resp: 427915

Ion Ratio Lower Upper

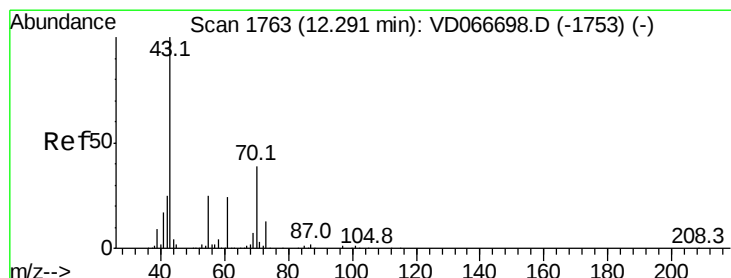
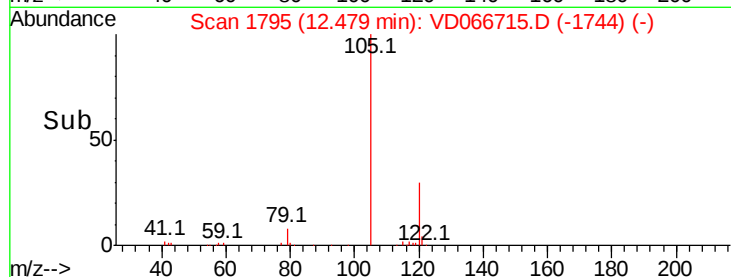
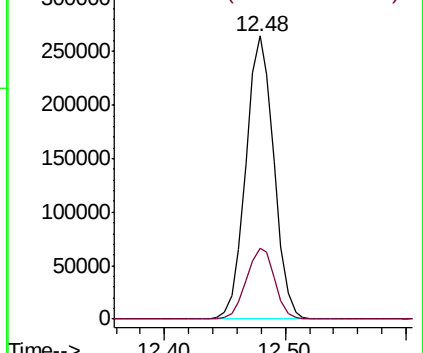
105 100

120 25.3 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.885 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion: 43 Resp: 85906

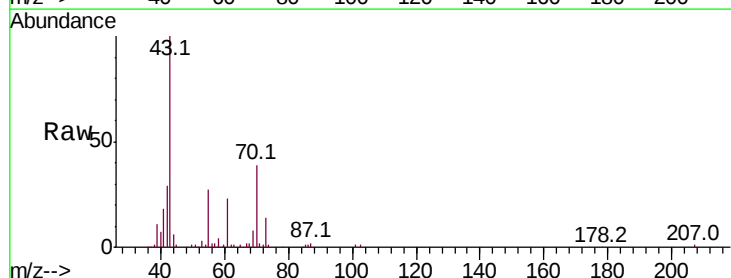
Ion Ratio Lower Upper

43 100

70 41.3 33.0 49.4

55 27.2 20.6 30.8

61 22.9 19.1 28.7

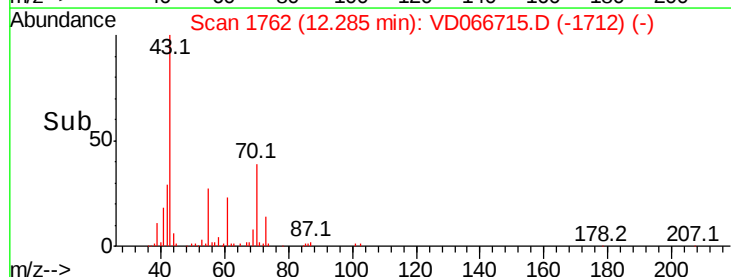
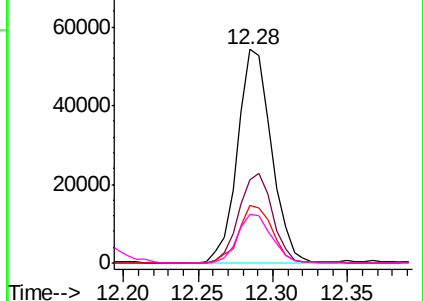


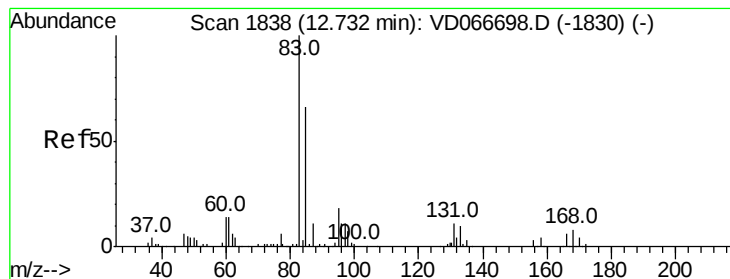
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.435 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

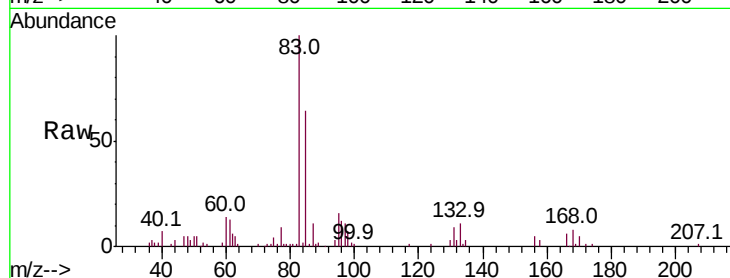
Tot Ion: 83 Resp: 71217

Ion Ratio Lower Upper

83 100

131 11.4 5.8 17.3

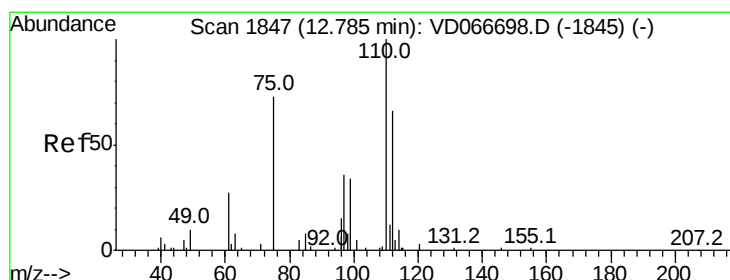
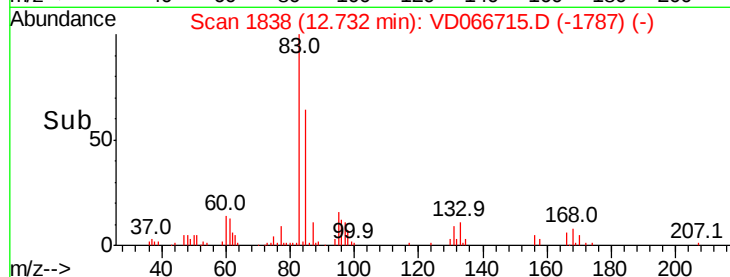
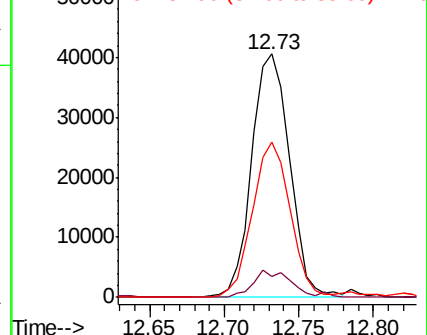
85 63.5 33.3 99.8



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: 38.839 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066715.D

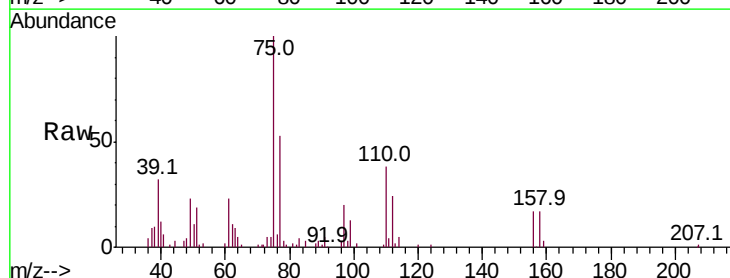
Acq: 16 Sep 2020 13:15

Tgt Ion: 75 Resp: 96031

Ion Ratio Lower Upper

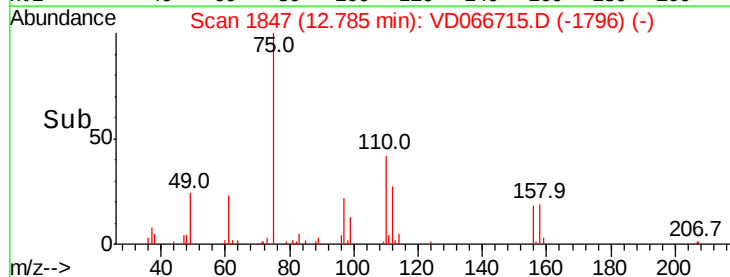
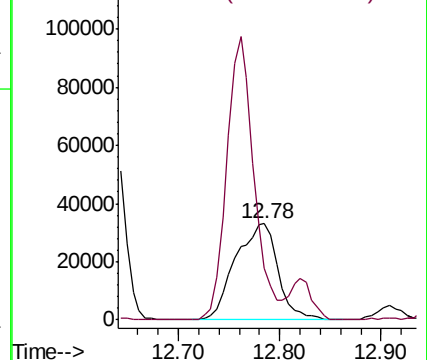
75 100

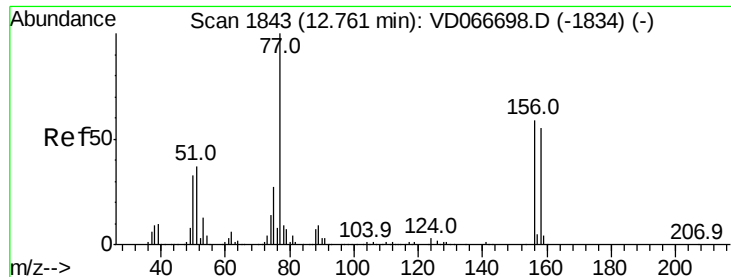
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 18.652 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

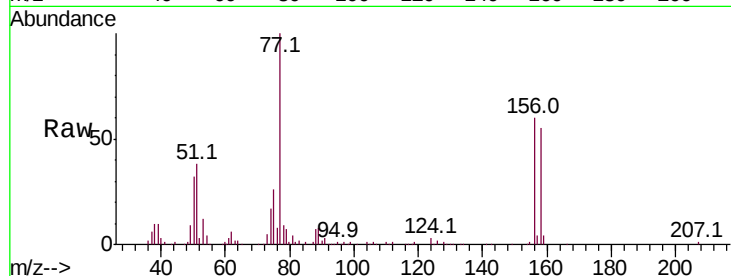
Tot Ion:156 Resp: 92706

Ion Ratio Lower Upper

156 100

77 197.0 95.8 287.3

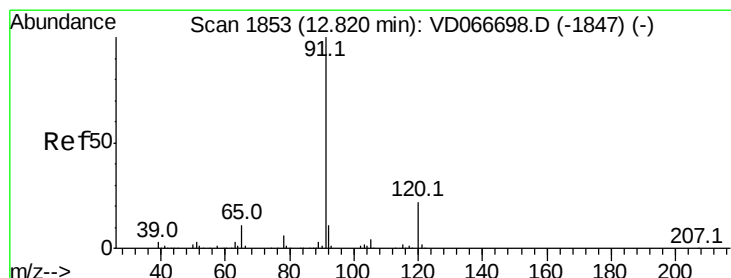
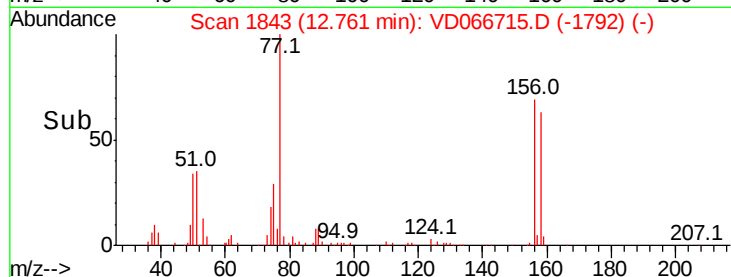
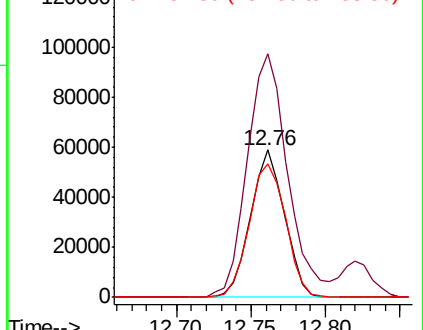
158 97.1 48.4 145.0



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: 19.839 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066715.D

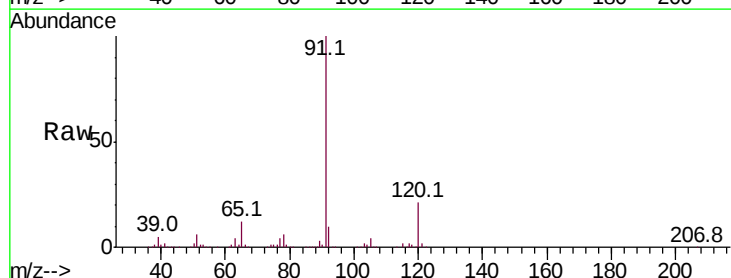
Acq: 16 Sep 2020 13:15

Tgt Ion: 91 Resp: 521517

Ion Ratio Lower Upper

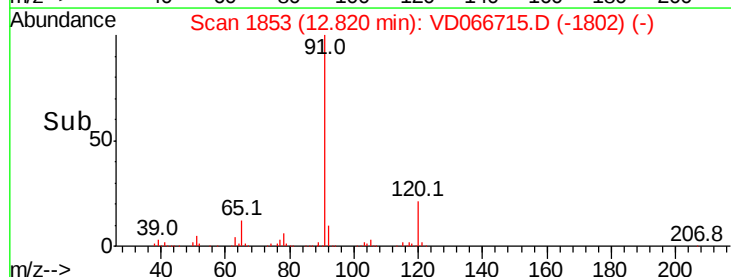
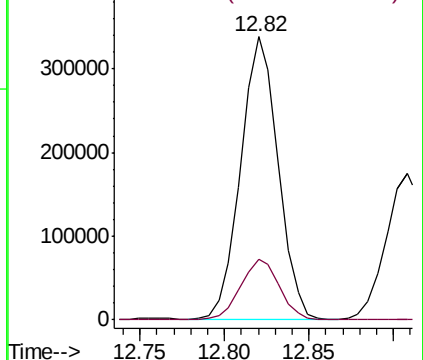
91 100

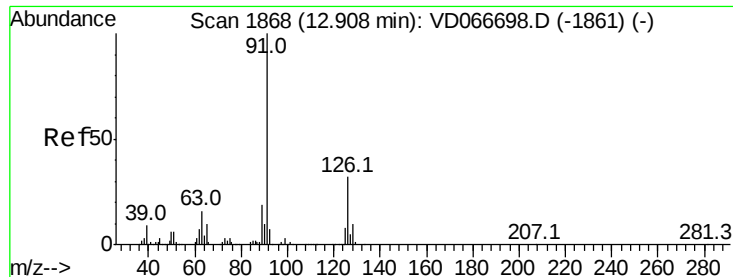
120 22.0 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

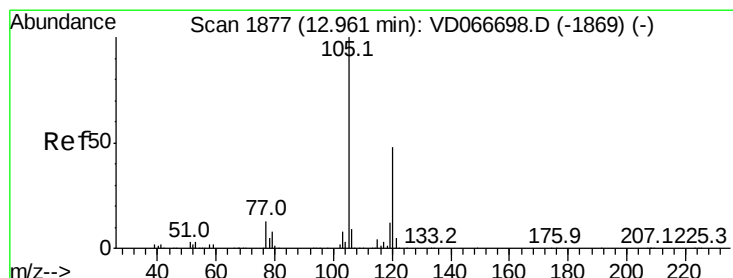
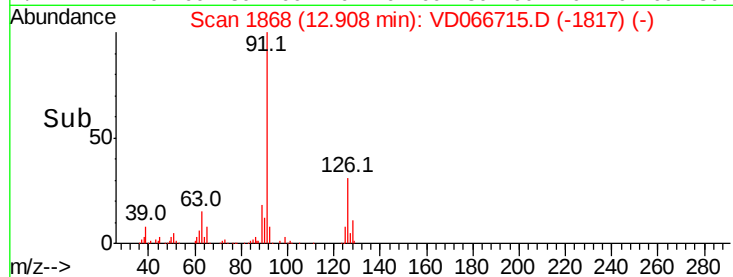
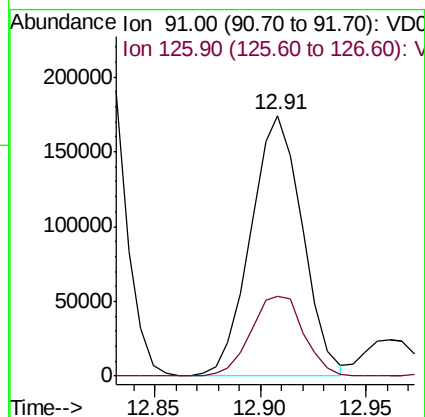
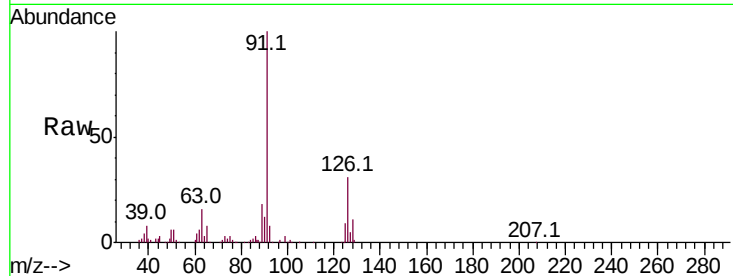




#79
 2-Chlorotoluene
 Concen: 19.840 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

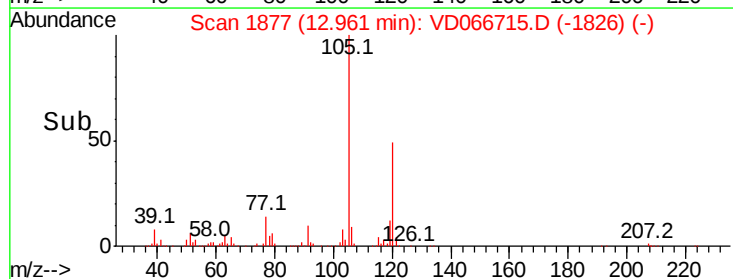
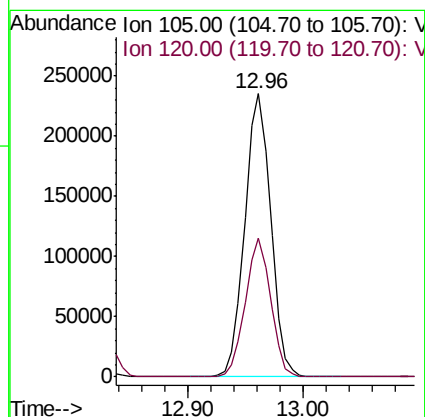
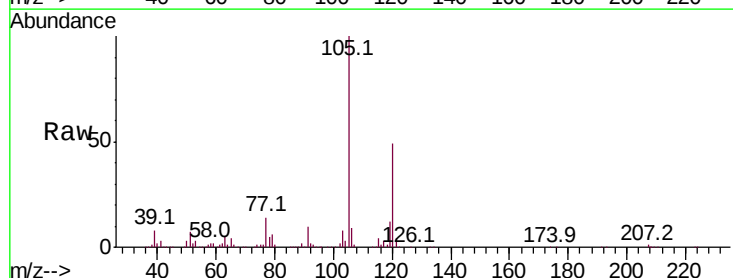
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

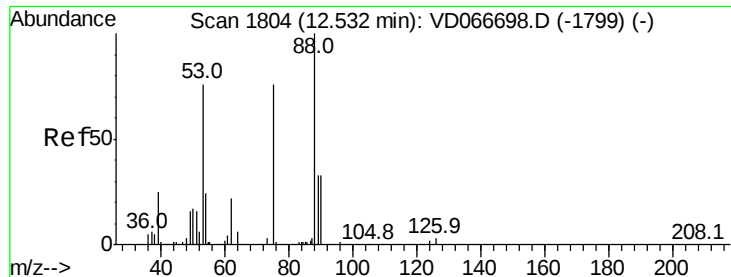
Tot Ion: 91 Resp: 294900
 Ion Ratio Lower Upper
 91 100
 126 31.7 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.162 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion:105 Resp: 367606
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.947 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

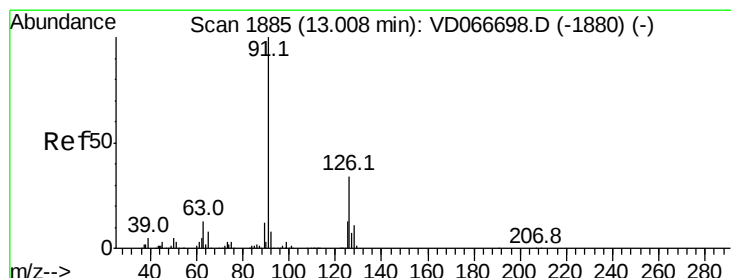
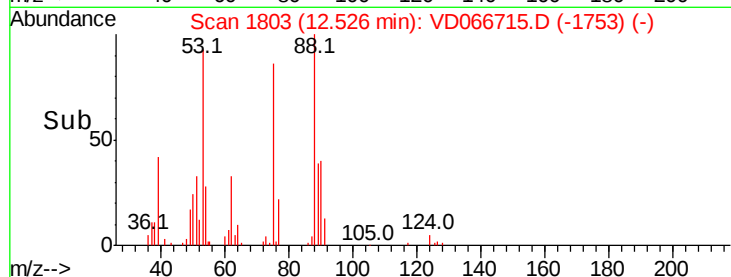
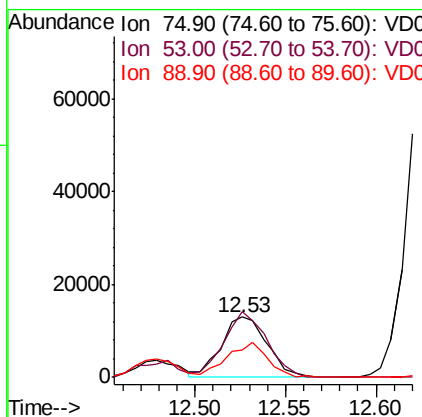
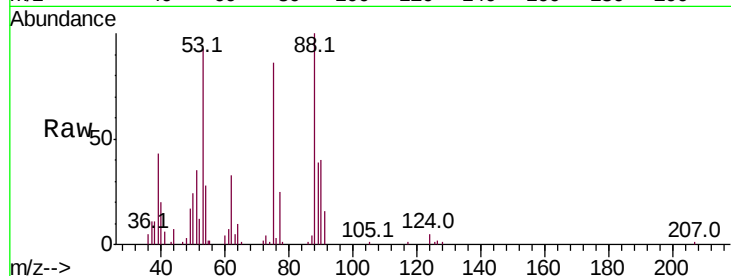
Tot Ion: 75 Resp: 22852

Ion Ratio Lower Upper

75 100

53 101.7 82.2 123.4

89 50.6 39.6 59.4



#82

4-Chlorotoluene

Concen: 20.054 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066715.D

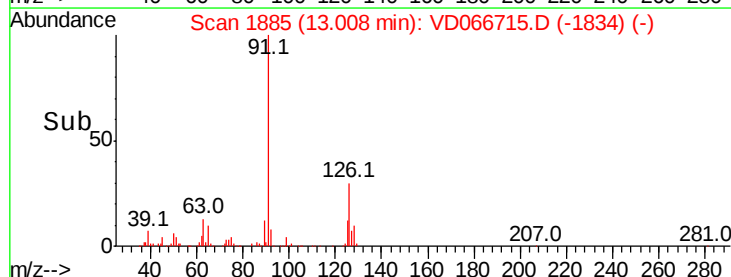
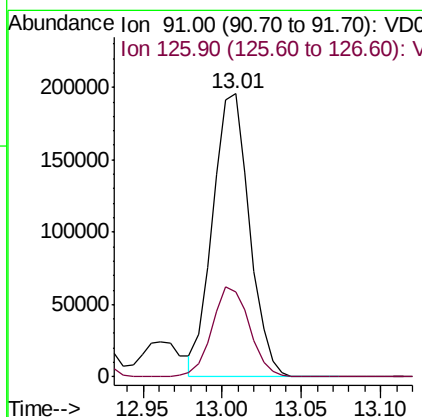
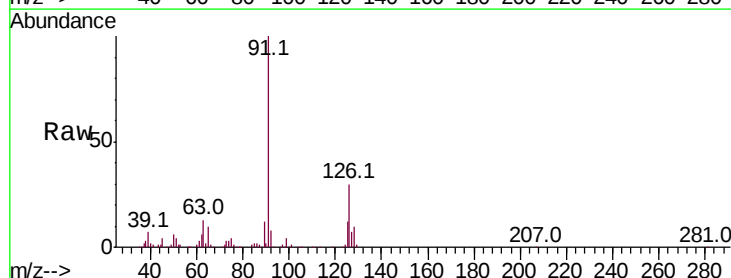
Acq: 16 Sep 2020 13:15

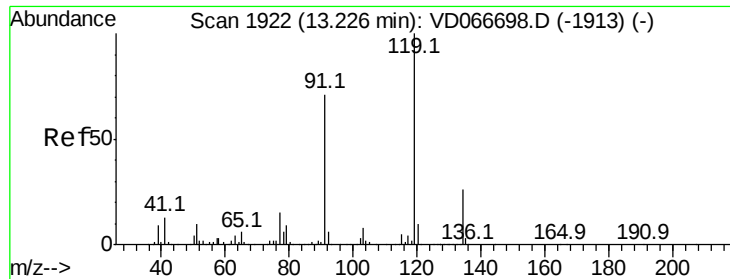
Tgt Ion: 91 Resp: 315178

Ion Ratio Lower Upper

91 100

126 32.4 16.8 50.4





#83

tert-Butylbenzene

Concen: 19.403 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

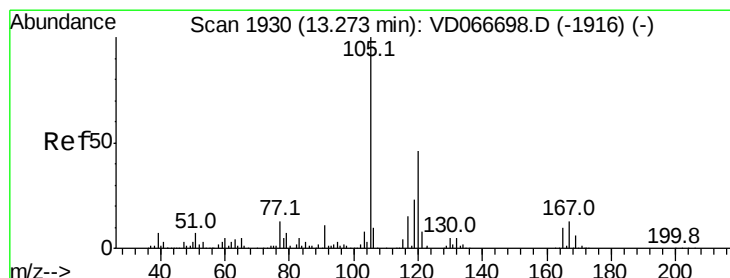
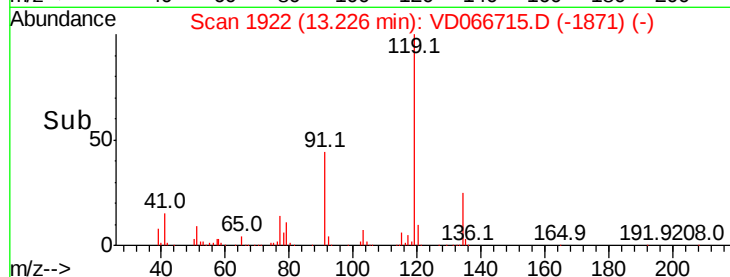
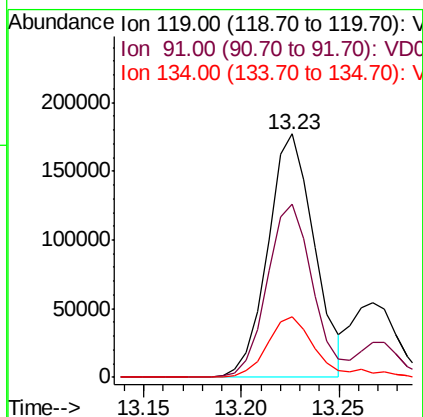
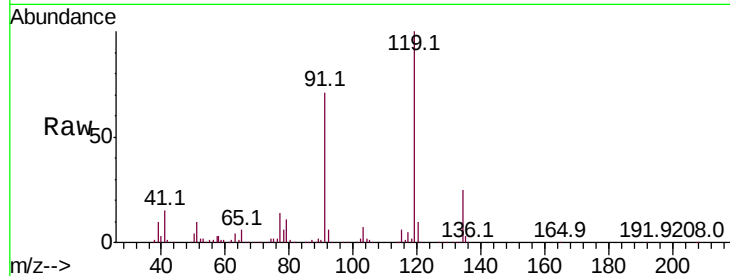
Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion:119 Resp: 291588

Ion	Ratio	Lower	Upper
119	100		
91	70.7	35.0	105.1
134	26.5	13.6	40.8



#84

1,2,4-Trimethylbenzene

Concen: 19.874 ug/l

RT: 13.27 min Scan# 1930

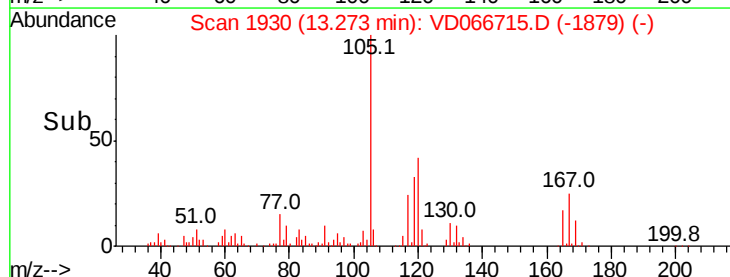
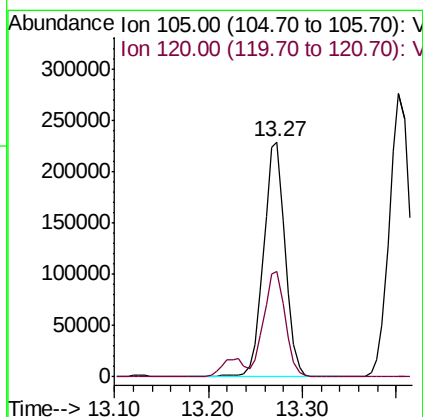
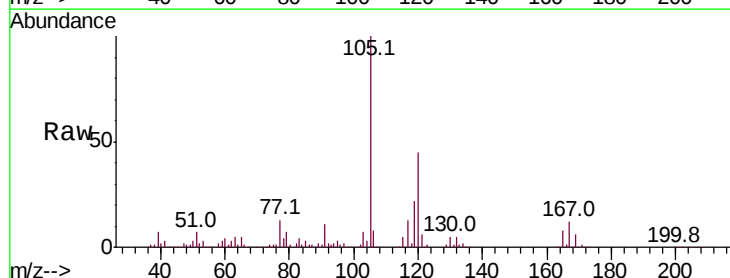
Delta R.T. 0.00 min

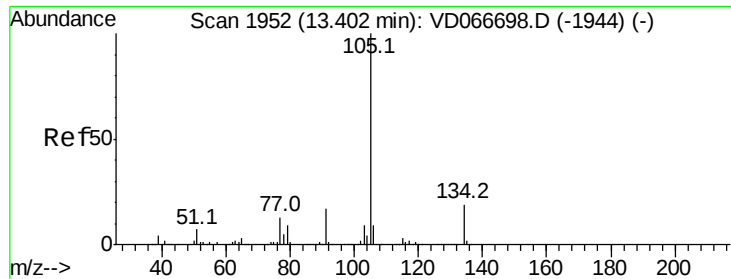
Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion:105 Resp: 362127

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.2

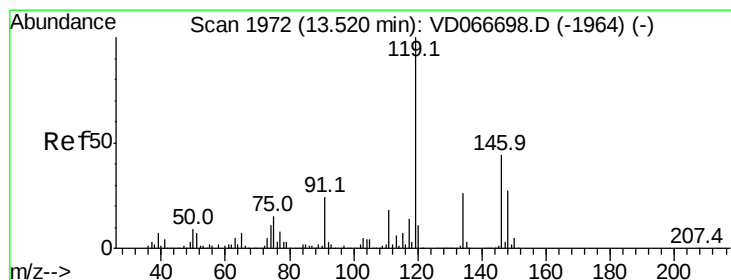
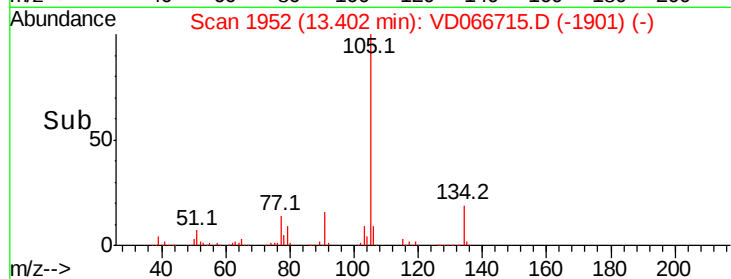
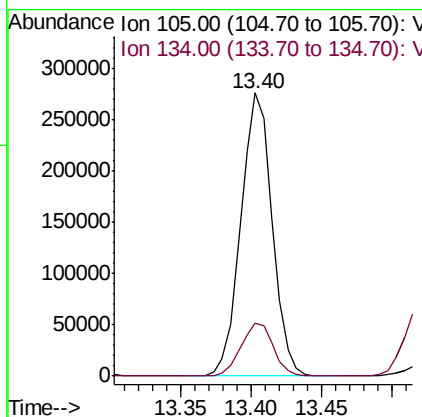
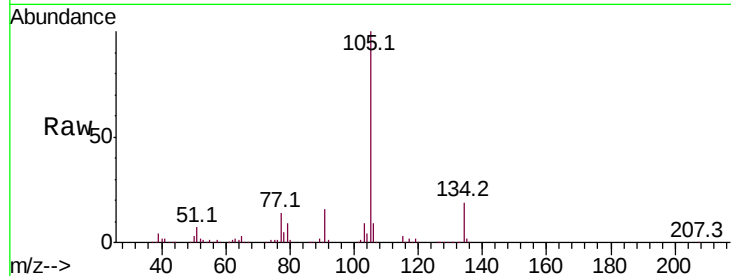




#85
 sec-Butylbenzene
 Concen: 19.929 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

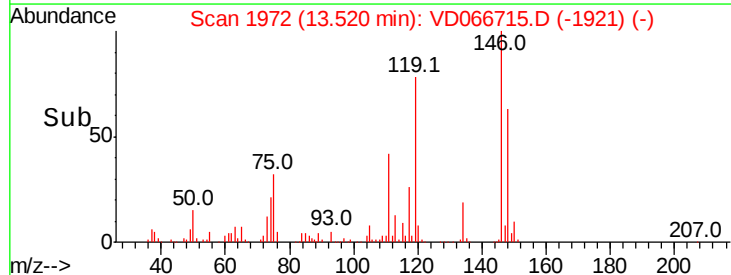
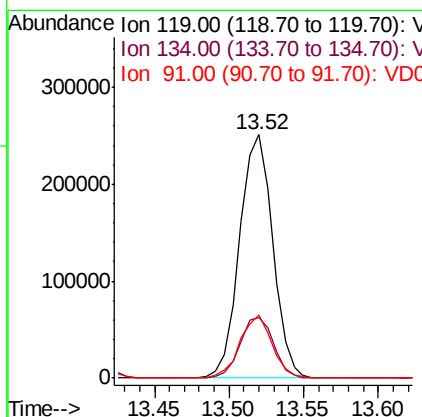
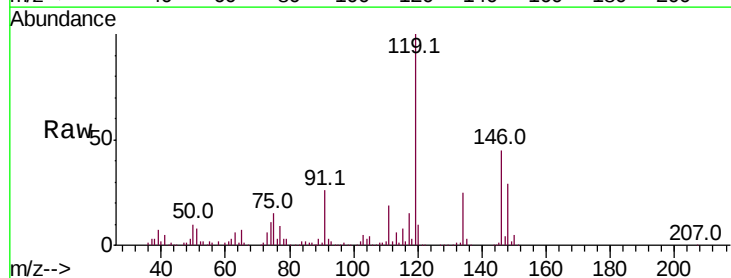
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

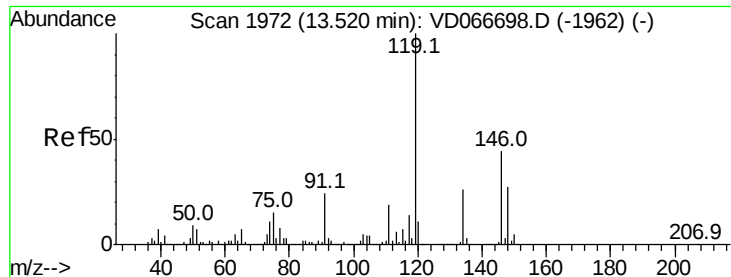
Tot Ion:105 Resp: 429356
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 19.754 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion:119 Resp: 386908
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.9 38.7
 91 25.5 12.3 36.9

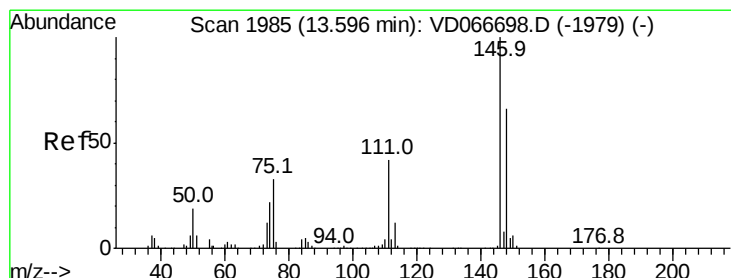
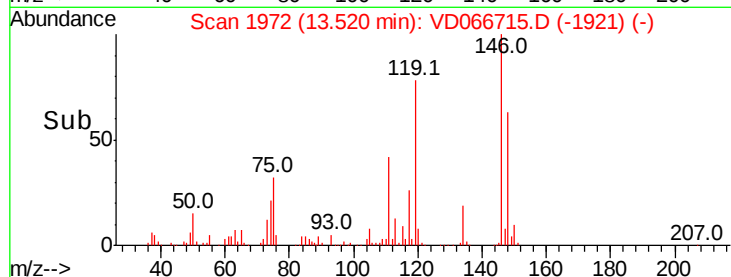
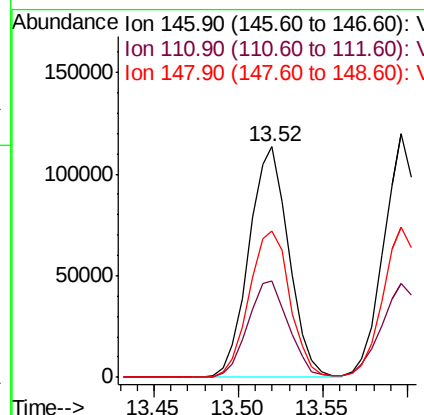
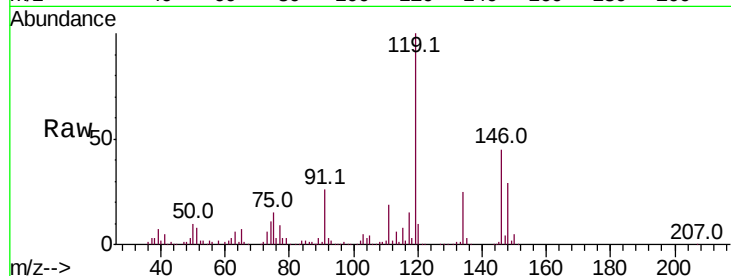




#87
 1,3-Dichlorobenzene
 Concen: 19.540 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

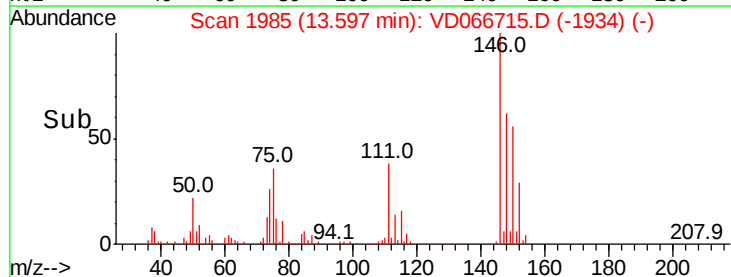
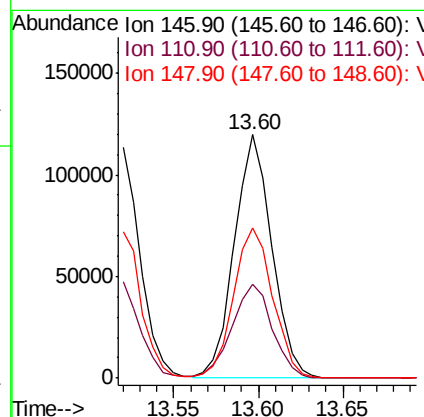
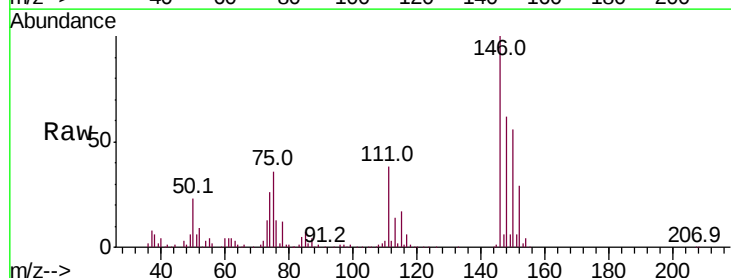
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

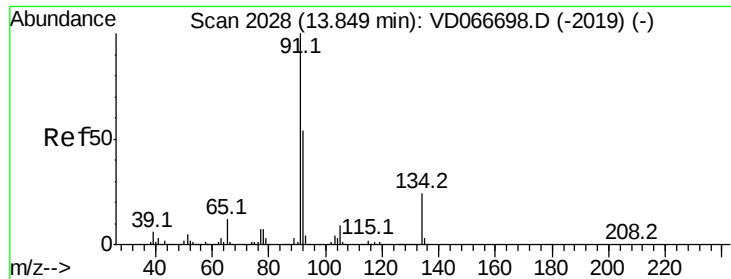
Tot Ion:146 Resp: 186319
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.1 63.3
 148 65.0 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 19.514 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion:146 Resp: 185295
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.5 61.6
 148 64.5 32.7 98.1

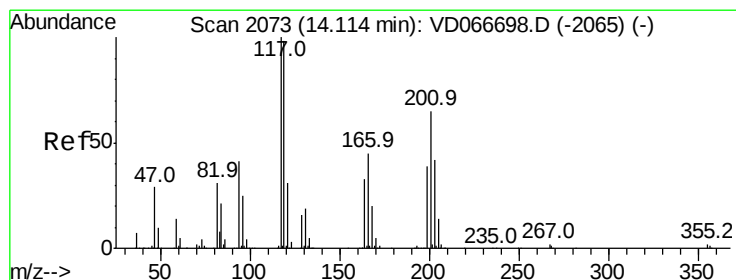
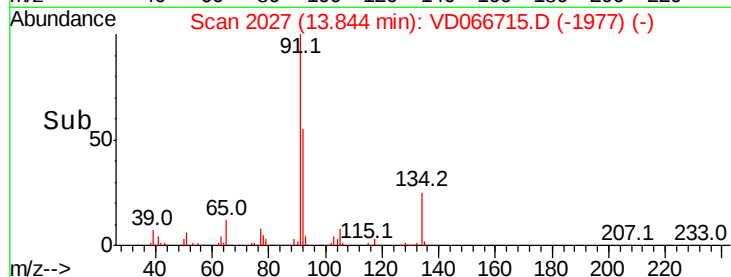
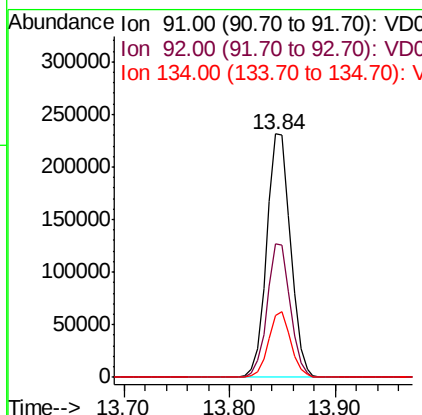
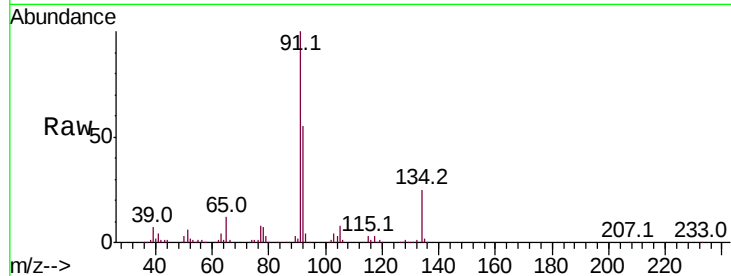




#89
n-Butylbenzene
Concen: 19.376 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

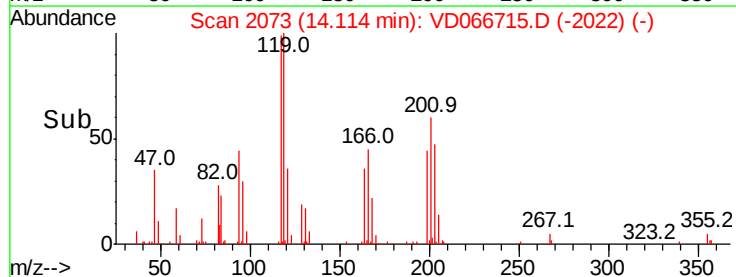
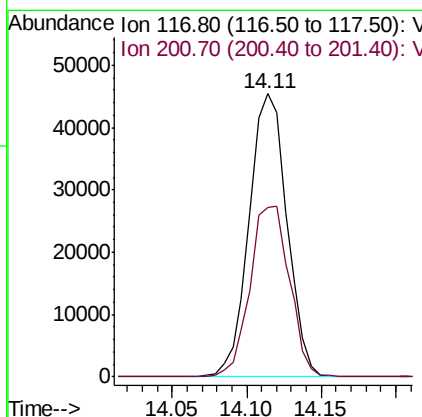
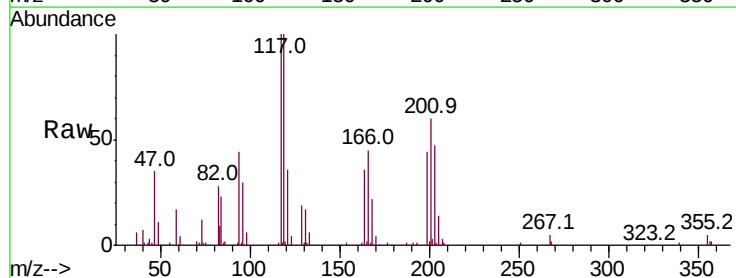
Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

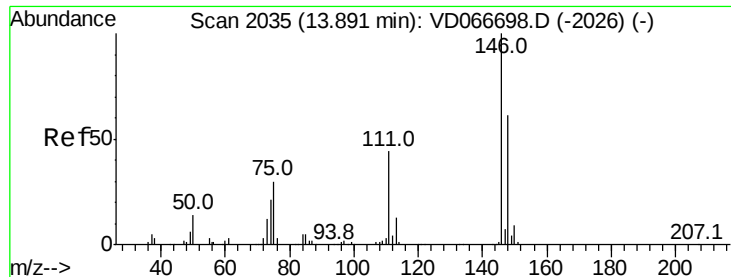
Tot Ion: 91 Resp: 360870
Ion Ratio Lower Upper
91 100
92 52.9 27.0 81.0
134 25.1 12.4 37.0



#90
Hexachloroethane
Concen: 19.743 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion: 117 Resp: 79440
Ion Ratio Lower Upper
117 100
201 63.0 33.1 99.3





#91

1,2-Dichlorobenzene

Concen: 19.318 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

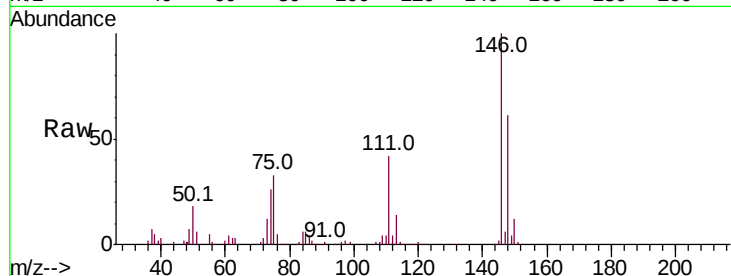
Tot Ion:146 Resp: 157839

Ion Ratio Lower Upper

146 100

111 44.5 21.6 64.6

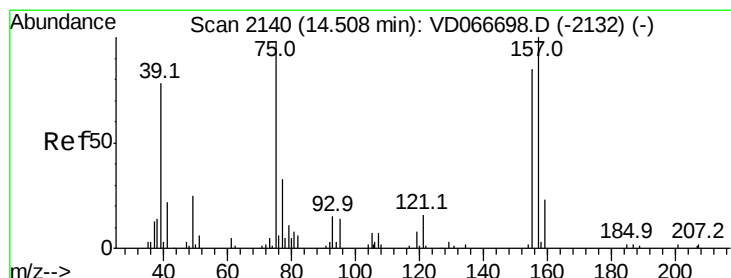
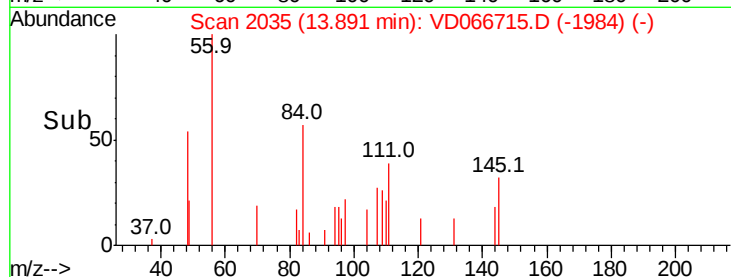
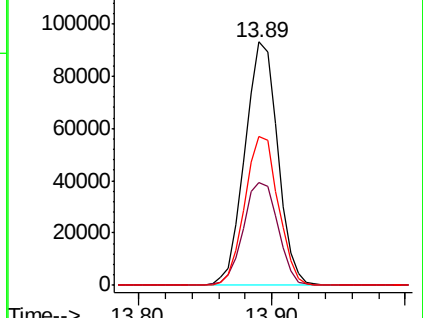
148 62.1 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.290 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

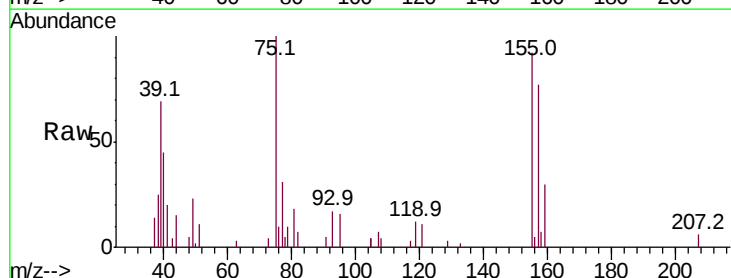
Tgt Ion: 75 Resp: 11426

Ion Ratio Lower Upper

75 100

155 77.8 38.9 116.7

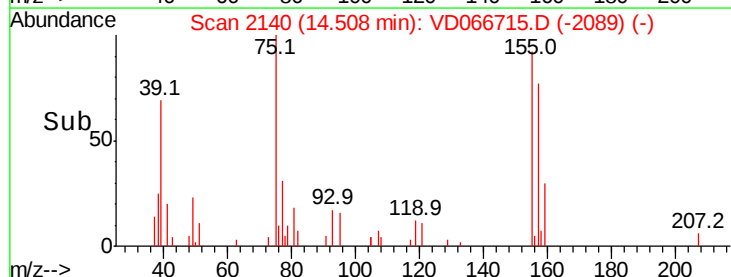
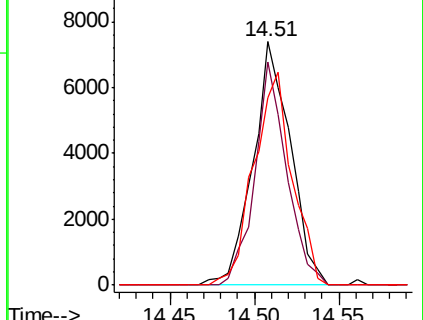
157 89.4 46.4 139.2

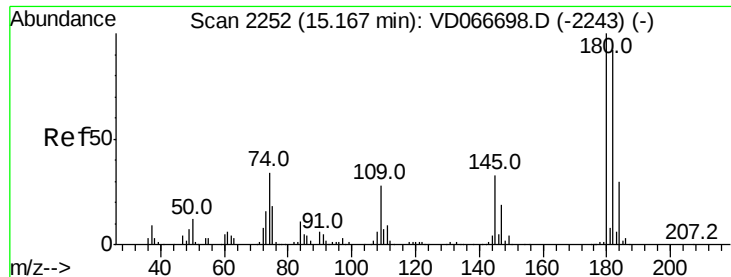


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.458 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

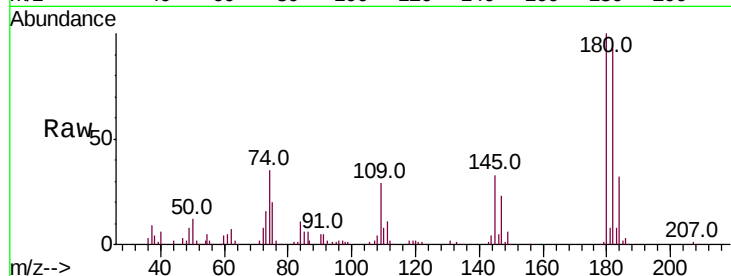
Tot Ion:180 Resp: 96157

Ion Ratio Lower Upper

180 100

182 94.9 46.6 139.7

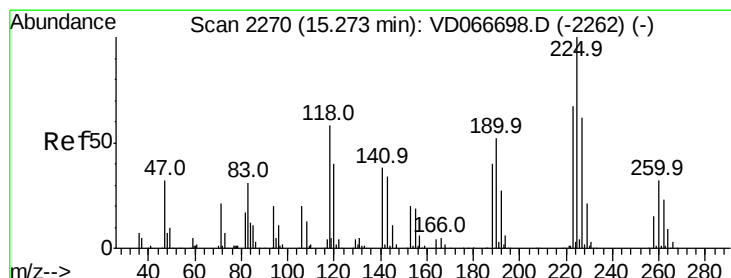
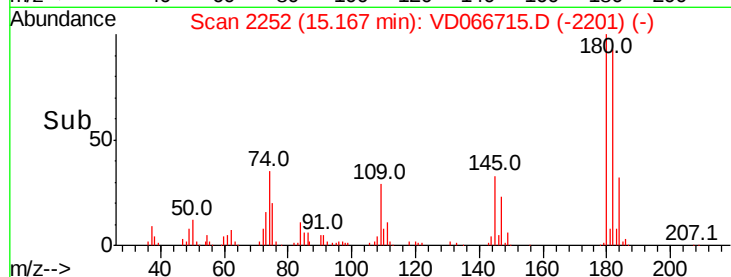
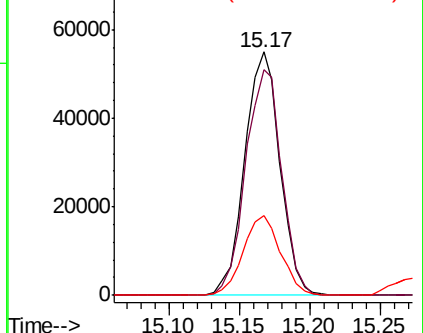
145 34.6 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.460 ug/l

RT: 15.27 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

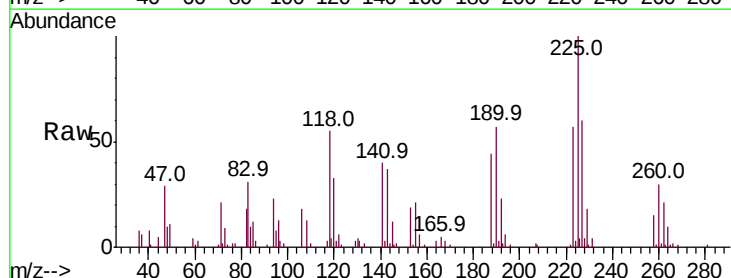
Tgt Ion:225 Resp: 57939

Ion Ratio Lower Upper

225 100

223 61.9 31.9 95.9

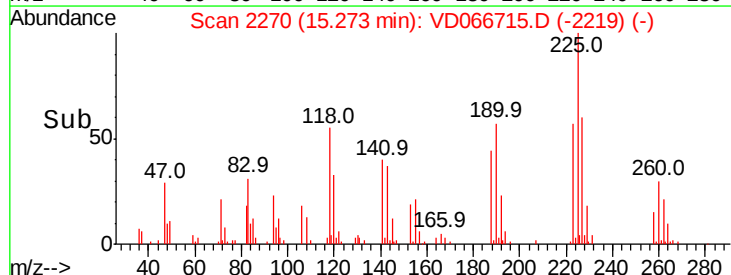
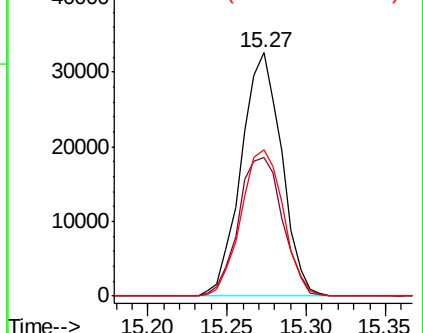
227 62.9 31.3 93.9

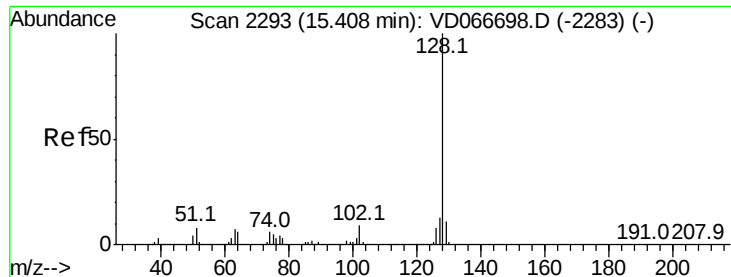


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

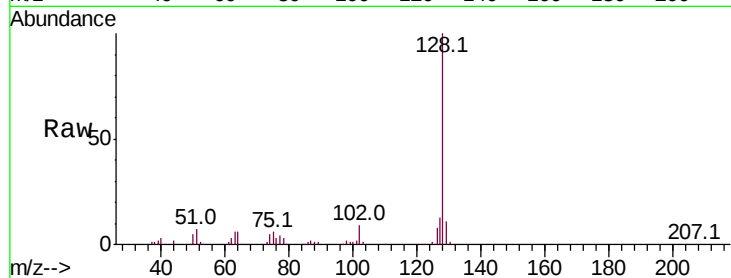




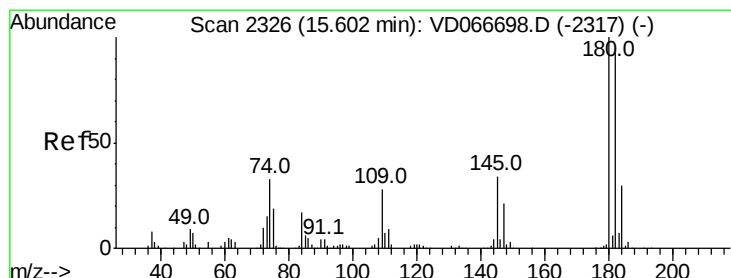
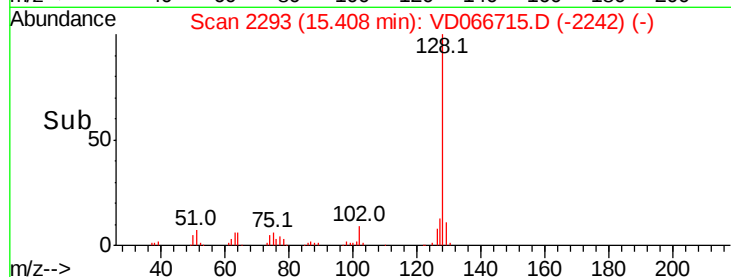
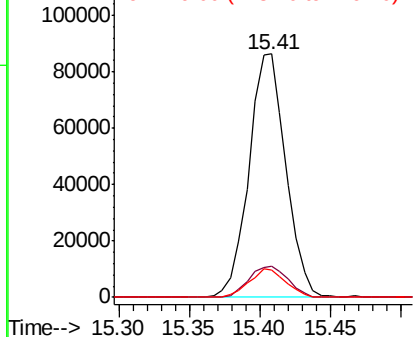
#95
Naphthalene
Concen: 18.345 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion:128 Resp: 158388
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 11.6 8.6 12.8

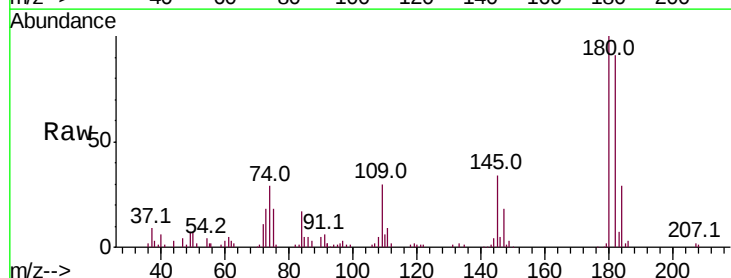


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.259 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion:180 Resp: 83130
Ion Ratio Lower Upper
180 100
182 92.3 46.6 139.8
145 34.0 17.1 51.3



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

