

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066099.D
 Acq On : 29 Jul 2020 19:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:34:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	208593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	315347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	101591	59.85	ug/l	0.00
Spiked Amount			Recovery	=	119.70%	
35) Dibromofluoromethane	7.91	113	98980	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
50) Toluene-d8	10.34	98	375498	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.64	95	138518	56.07	ug/l	0.00
Spiked Amount			Recovery	=	112.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	62964	39.775	ug/l	98
3) Chloromethane	2.21	50	55346	42.842	ug/l	97
4) Vinyl Chloride	2.35	62	55200	44.870	ug/l	97
5) Bromomethane	2.77	94	45213	52.510	ug/l	94
6) Chloroethane	2.92	64	37645	51.261	ug/l	94
7) Trichlorofluoromethane	3.27	101	148622	49.668	ug/l	96
8) Diethyl Ether	3.71	74	41379	50.029	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84020	46.502	ug/l	97
10) Methyl Iodide	4.30	142	95510	51.919	ug/l	92
11) Tert butyl alcohol	5.21	59	29666	281.203	ug/l #	95
12) 1,1-Dichloroethene	4.06	96	81816	47.439	ug/l	96
13) Acrolein	3.92	56	28247	197.530	ug/l	94
14) Allyl chloride	4.71	41	121158	44.941	ug/l #	85
15) Acrylonitrile	5.43	53	89962	254.593	ug/l	98
16) Acetone	4.16	43	73060	212.657	ug/l	94
17) Carbon Disulfide	4.41	76	237529	42.459	ug/l	98
18) Methyl Acetate	4.71	43	38758	48.495	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	207628	58.594	ug/l	97
20) Methylene Chloride	4.96	84	100324	52.989	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	99724	51.161	ug/l	97
22) Diisopropyl ether	6.36	45	265191	51.776	ug/l	95
23) Vinyl Acetate	6.30	43	764125	264.535	ug/l	96
24) 1,1-Dichloroethane	6.26	63	164401	52.975	ug/l	99
25) 2-Butanone	7.21	43	107653	236.147	ug/l	99
26) 2,2-Dichloropropane	7.21	77	138826	49.745	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	111034	53.801	ug/l	99
28) Bromochloromethane	7.55	49	69585	52.829	ug/l	88
29) Tetrahydrofuran	7.56	42	69604	247.459	ug/l	94
30) Chloroform	7.71	83	187079	57.629	ug/l	98
31) Cyclohexane	7.98	56	126930	41.574	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	167654	55.833	ug/l	100
36) 1,1-Dichloropropene	8.11	75	131564	48.884	ug/l	98
37) Ethyl Acetate	7.29	43	53248	51.806	ug/l	95
38) Carbon Tetrachloride	8.10	117	161233	55.213	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147424	45.233	ug/l	97
40) Benzene	8.35	78	383362	50.915	ug/l	98
41) Methacrylonitrile	7.53	41	27359	46.466	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	119520	57.928	ug/l	96
43) Isopropyl Acetate	8.45	43	102247	50.933	ug/l	98
44) Trichloroethene	9.11	130	116060	50.937	ug/l	94
45) 1,2-Dichloropropane	9.39	63	89966	49.335	ug/l	99
46) Dibromomethane	9.47	93	53680	54.682	ug/l	98
47) Bromodichloromethane	9.66	83	144296	55.591	ug/l	94
48) Methyl methacrylate	9.46	41	50836	50.202	ug/l #	88
49) 1,4-Dioxane	9.47	88	11828	1039.977	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	260920	257.958	ug/l	96
52) Toluene	10.41	92	266810	54.337	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	133724	55.298	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	156202	53.287	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	77777	55.863	ug/l	94
56) Ethyl methacrylate	10.67	69	91526	56.542	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	126253	54.777	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	192155	248.495	ug/l	99
59) 2-Hexanone	10.98	43	180624	257.687	ug/l	96
60) Dibromochloromethane	11.14	129	107350	57.186	ug/l	95
61) 1,2-Dibromoethane	11.25	107	76068	56.665	ug/l	98
64) Tetrachloroethene	10.88	164	106247	52.125	ug/l	97
65) Chlorobenzene	11.67	112	297795	54.160	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	118421	58.328	ug/l	99
67) Ethyl Benzene	11.75	91	513339	54.250	ug/l	97
68) m/p-Xylenes	11.85	106	397852	109.391	ug/l	100
69) o-Xylene	12.18	106	185569	56.098	ug/l	97
70) Styrene	12.20	104	328655	57.825	ug/l	98
71) Bromoform	12.37	173	70404	59.201	ug/l #	98
73) Isopropylbenzene	12.48	105	507280	49.291	ug/l	100
74) N-amyl acetate	12.29	43	102550	48.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79345	46.651	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	107261	83.758	ug/l #	100
77) Bromobenzene	12.77	156	133157	50.628	ug/l	96
78) n-propylbenzene	12.83	91	594554	49.786	ug/l	100
79) 2-Chlorotoluene	12.91	91	342015	50.129	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	441008	52.158	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25640	45.943	ug/l	98
82) 4-Chlorotoluene	13.01	91	367000	50.962	ug/l	100
83) tert-Butylbenzene	13.23	119	378939	51.216	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	441457	52.921	ug/l	97
85) sec-Butylbenzene	13.41	105	501271	49.187	ug/l	98
86) p-Isopropyltoluene	13.53	119	487358	52.638	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	249117	51.016	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	251558	50.959	ug/l	99
89) n-Butylbenzene	13.85	91	425173	49.387	ug/l	97
90) Hexachloroethane	14.12	117	96298	50.243	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	223541	52.829	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14299	51.298	ug/l	97

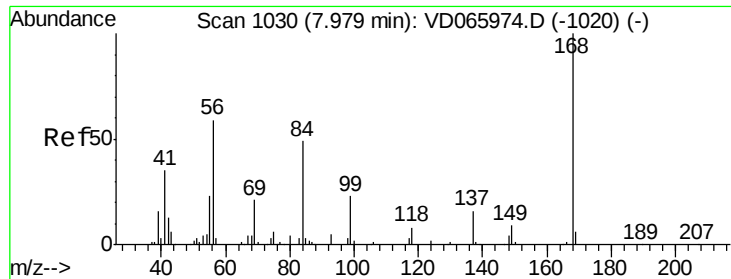
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	161226	53.082	ug/l	99
94) Hexachlorobutadiene	15.28	225	93923	50.019	ug/l	97
95) Naphthalene	15.41	128	267865	49.622	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	139838	52.960	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

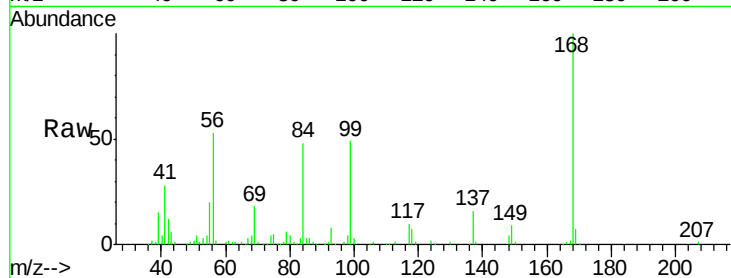
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 208593

Ion Ratio Lower Upper

168 100

99 48.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

40000

20000

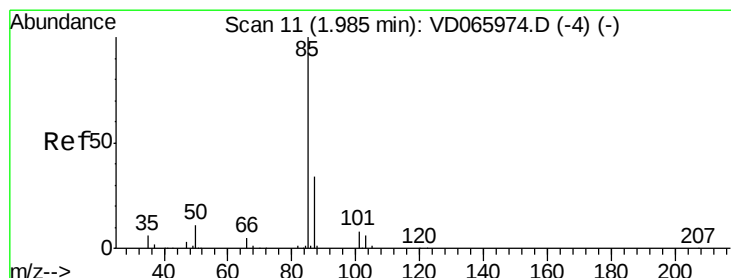
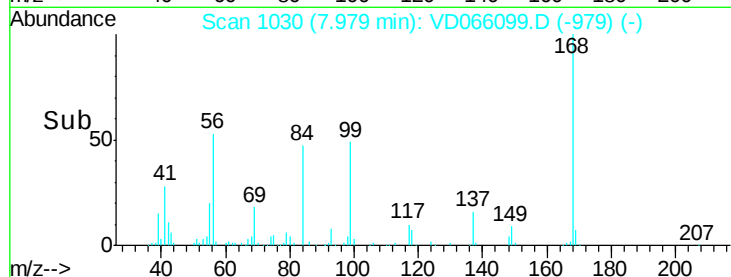
0

Time-->

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 39.775 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066099.D

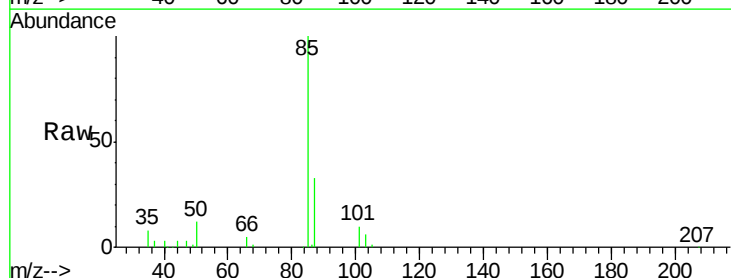
Acq: 29 Jul 2020 19:44

Tgt Ion: 85 Resp: 62964

Ion Ratio Lower Upper

85 100

87 33.4 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

50000

40000

30000

20000

10000

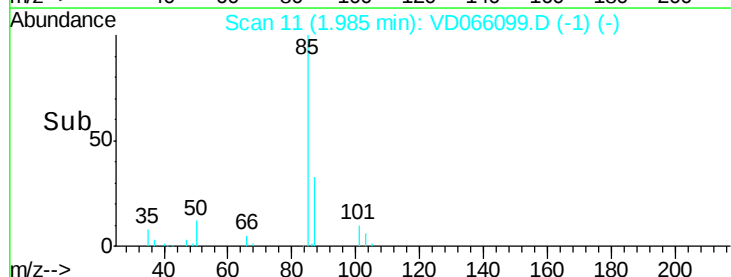
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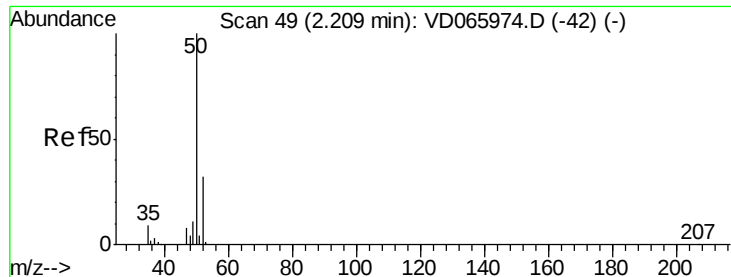
Time-->

1.95

2.00

2.05





#3

Chloromethane

Concen: 42.842 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

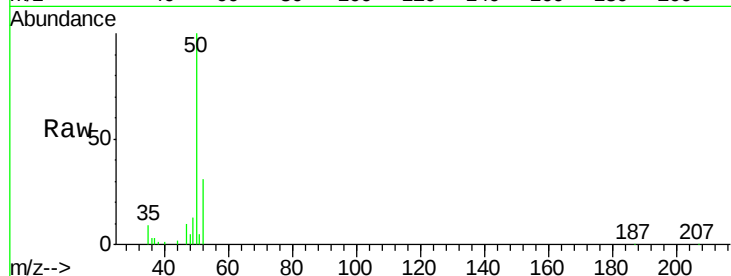
ClientSampled :

Tot Ion: 50 Resp: 55346

Ion Ratio Lower Upper

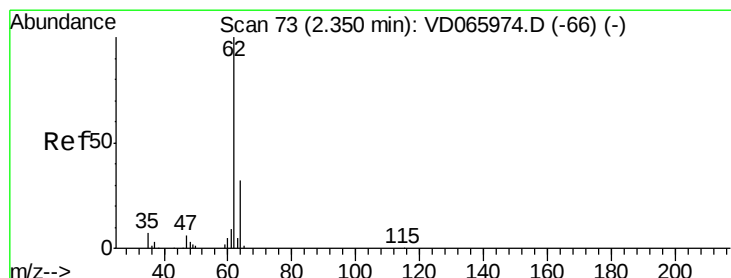
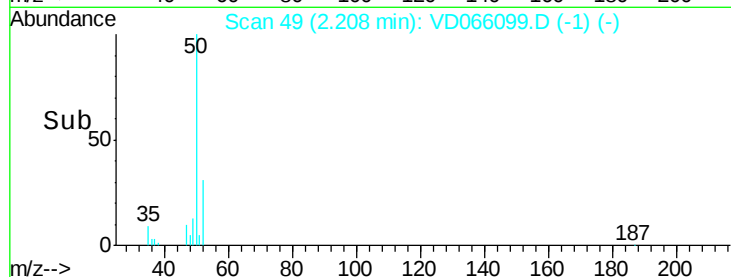
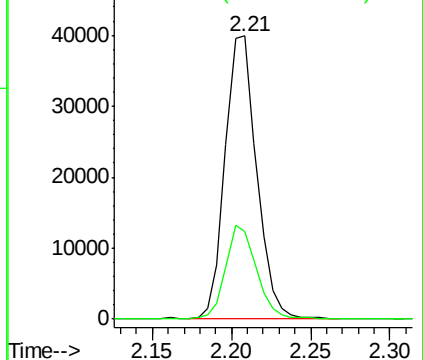
50 100

52 30.7 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.870 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066099.D

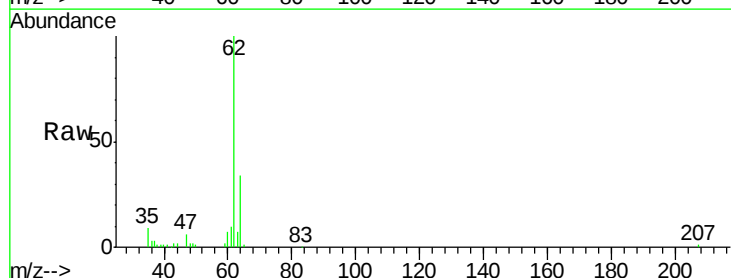
Acq: 29 Jul 2020 19:44

Tgt Ion: 62 Resp: 55200

Ion Ratio Lower Upper

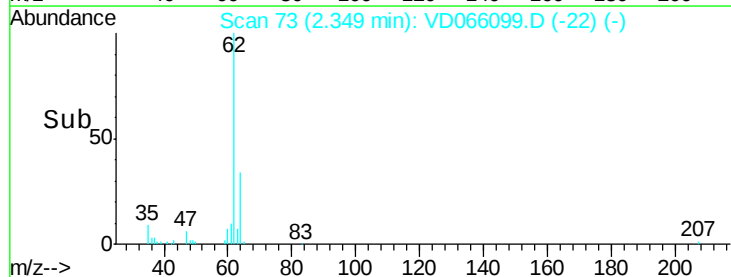
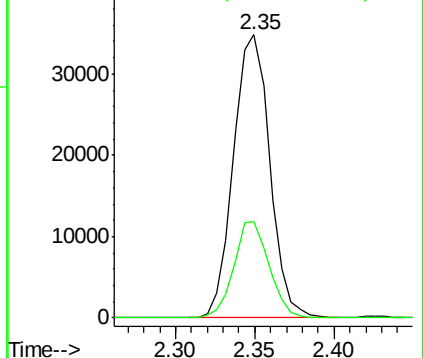
62 100

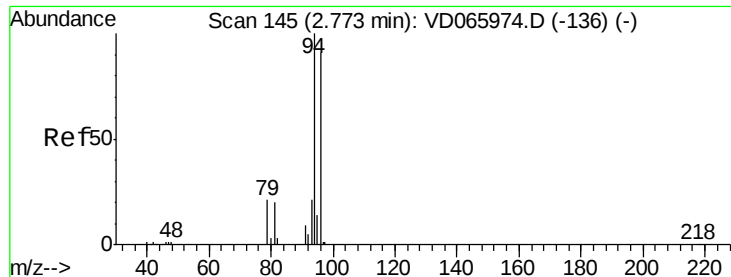
64 34.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.510 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

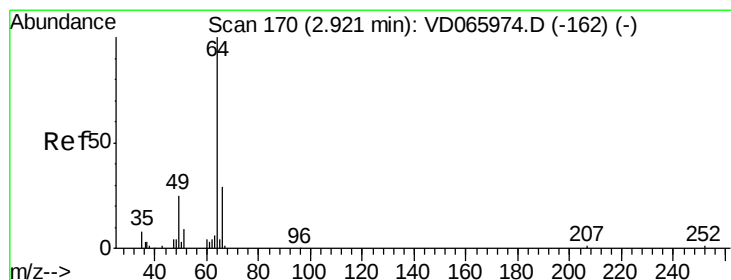
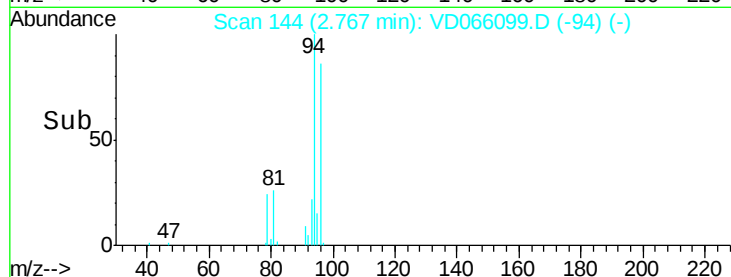
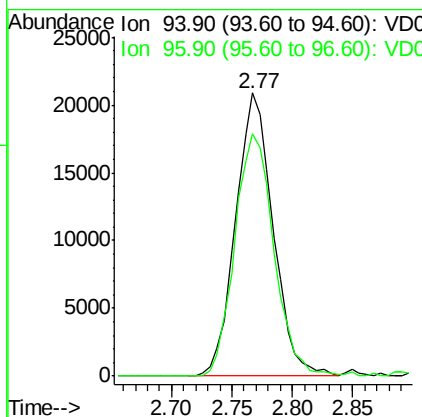
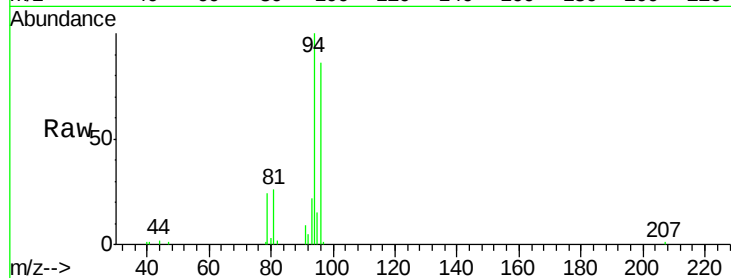
ClientSampleId :

Tot Ion: 94 Resp: 45213

Ion Ratio Lower Upper

94 100

96 85.7 73.0 109.4



#6

Chloroethane

Concen: 51.261 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066099.D

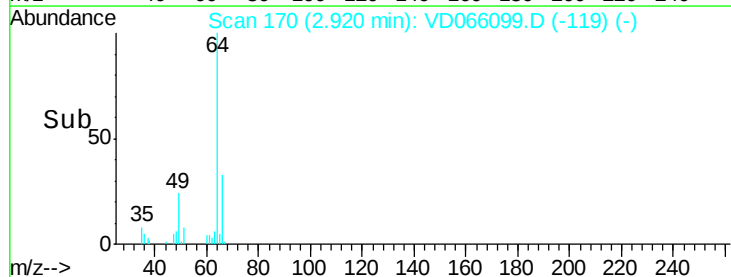
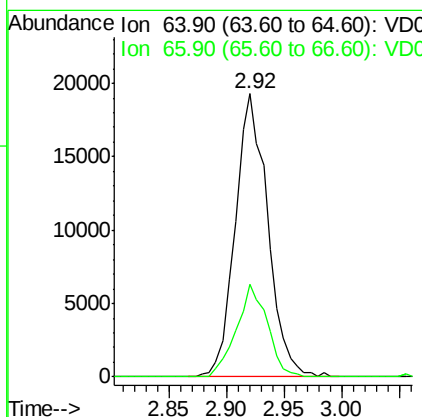
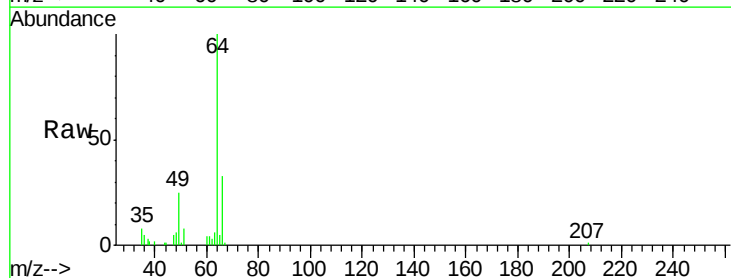
Acq: 29 Jul 2020 19:44

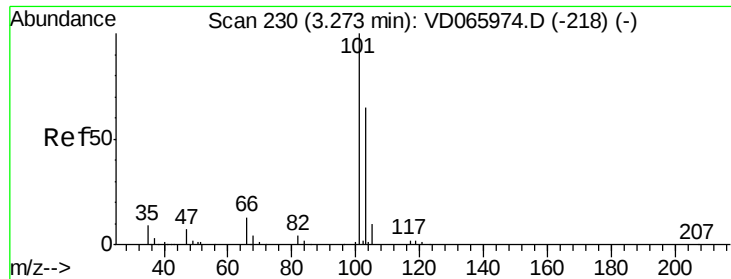
Tgt Ion: 64 Resp: 37645

Ion Ratio Lower Upper

64 100

66 32.6 23.4 35.0



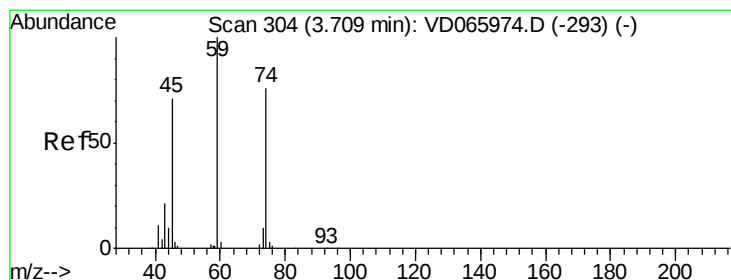
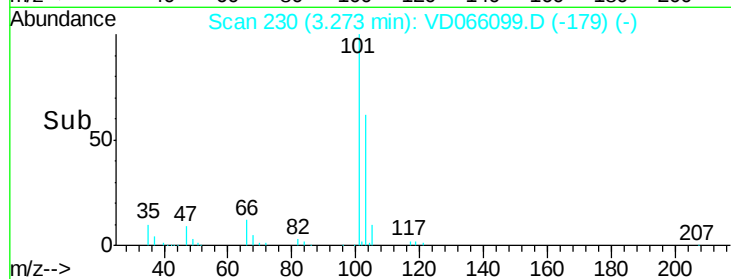
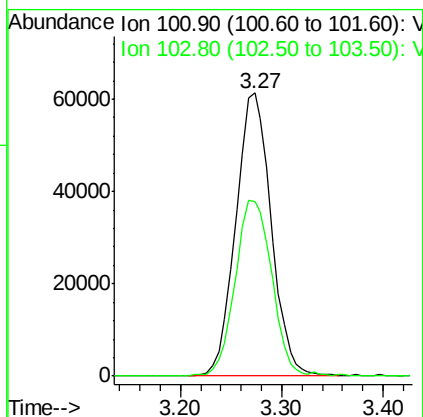
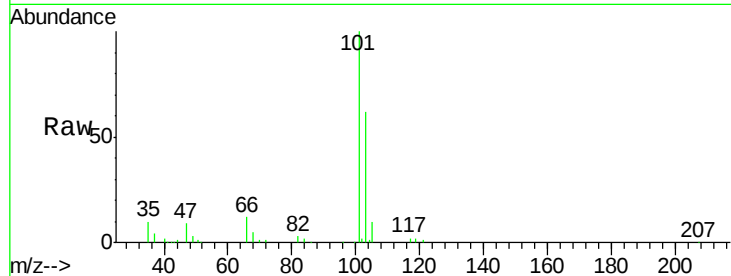


#7

Trichlorofluoromethane
 Concen: 49.668 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :

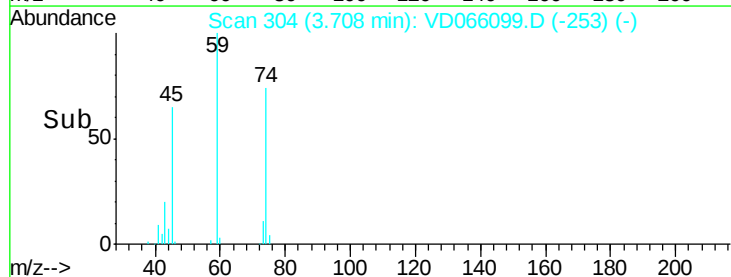
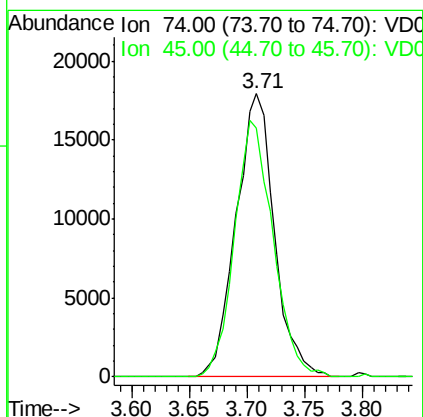
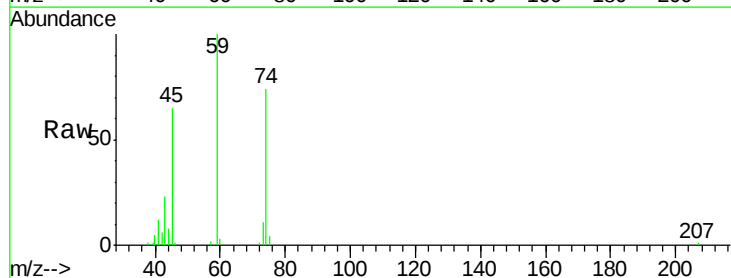
Tot Ion:101 Resp: 148622
 Ion Ratio Lower Upper
 101 100
 103 61.6 52.1 78.1

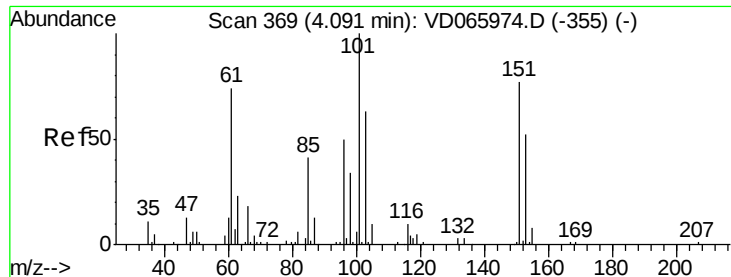


#8

Diethyl Ether
 Concen: 50.029 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Tgt Ion: 74 Resp: 41379
 Ion Ratio Lower Upper
 74 100
 45 91.2 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.502 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

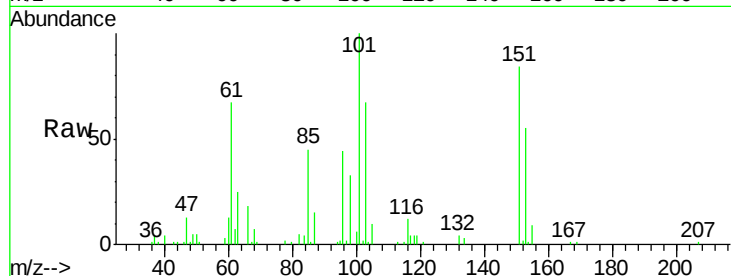
Tot Ion:101 Resp: 84020

Ion Ratio Lower Upper

101 100

85 44.6 33.6 50.4

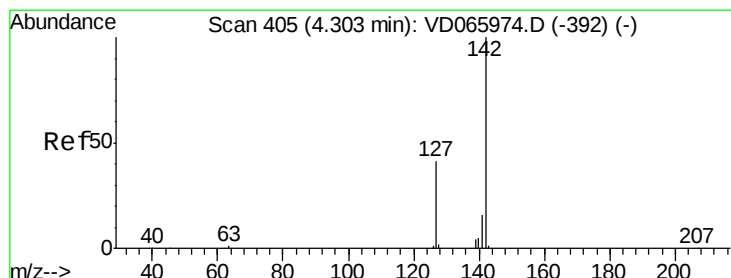
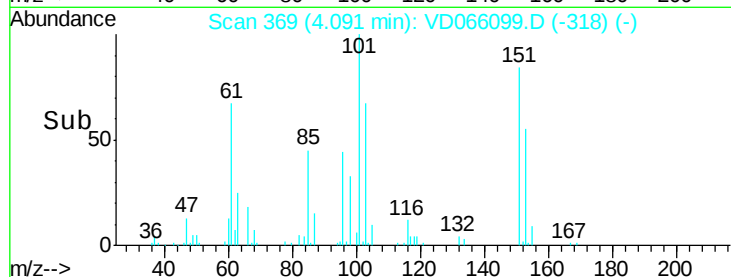
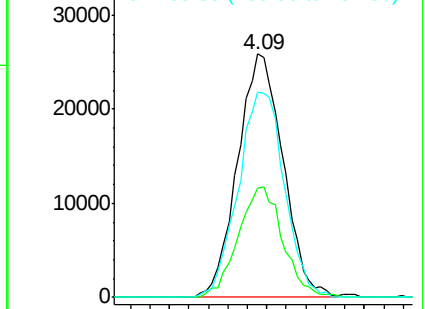
151 85.8 66.6 99.8



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: 51.919 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

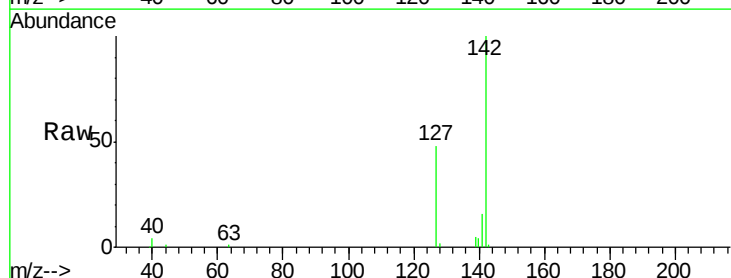
Tgt Ion:142 Resp: 95510

Ion Ratio Lower Upper

142 100

127 47.9 32.9 49.3

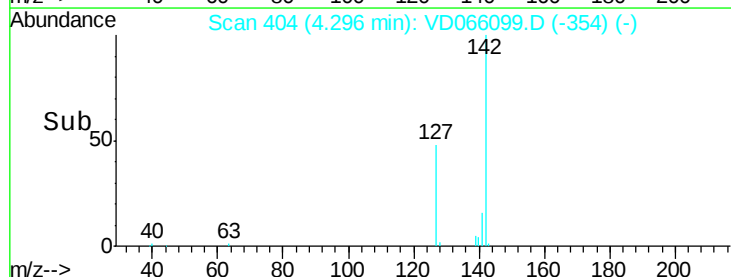
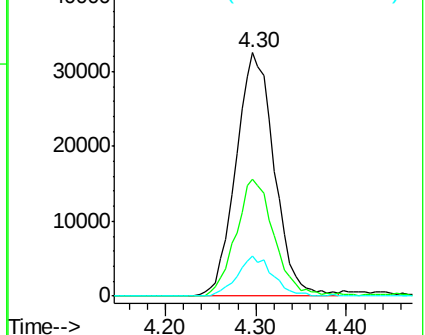
141 15.0 11.8 17.6

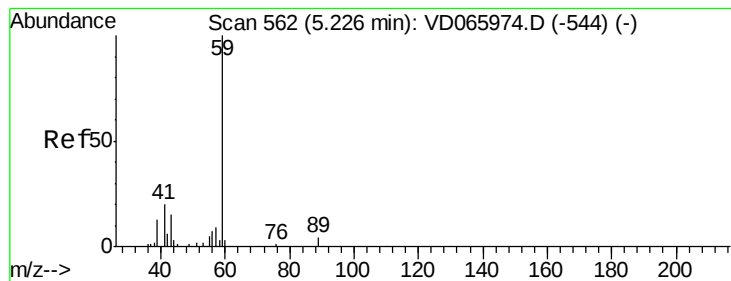


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



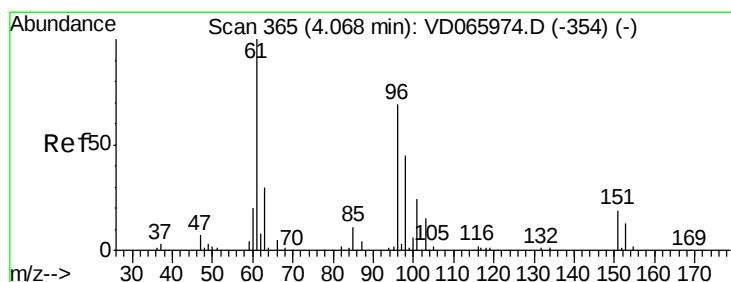
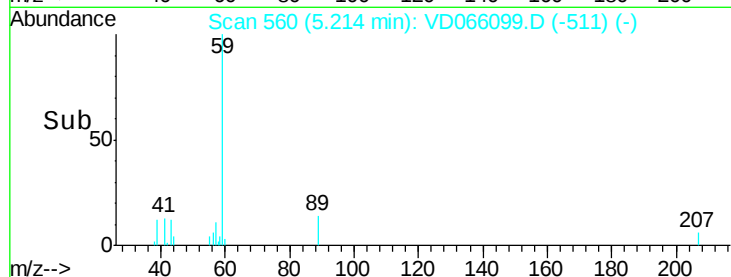
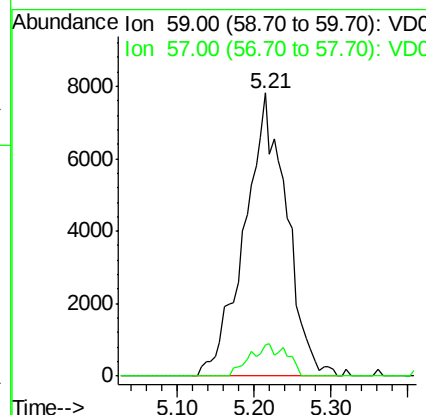
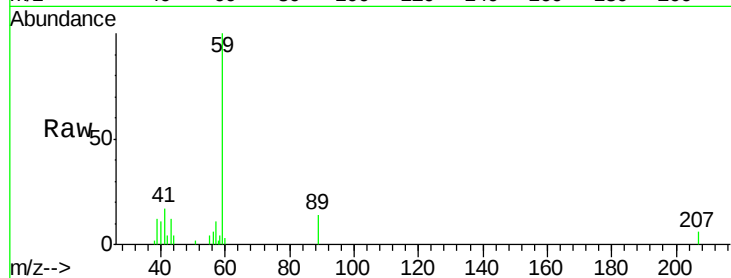


#11

Tert butyl alcohol
Concen: 281.203 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Instrument :
MSVOA_D
ClientSampled :

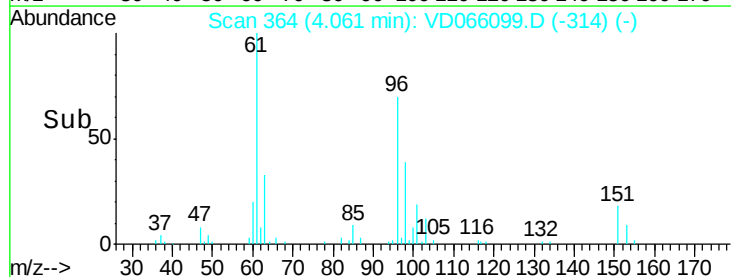
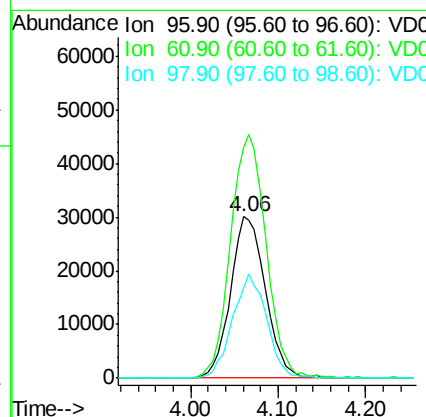
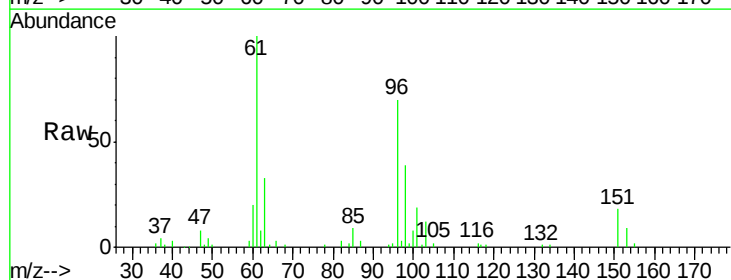
Tot Ion: 59 Resp: 29666
Ion Ratio Lower Upper
59 100
57 7.2 4.5 6.7#

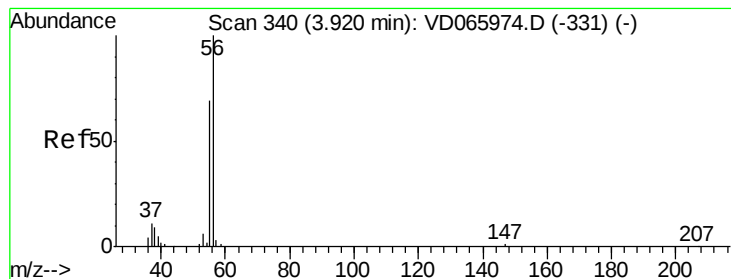


#12

1,1-Dichloroethene
Concen: 47.439 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion: 96 Resp: 81816
Ion Ratio Lower Upper
96 100
61 142.8 115.4 173.0
98 55.9 51.5 77.3





#13

Acrolein

Concen: 197.530 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

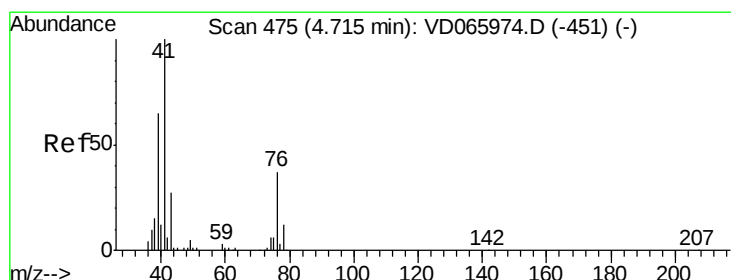
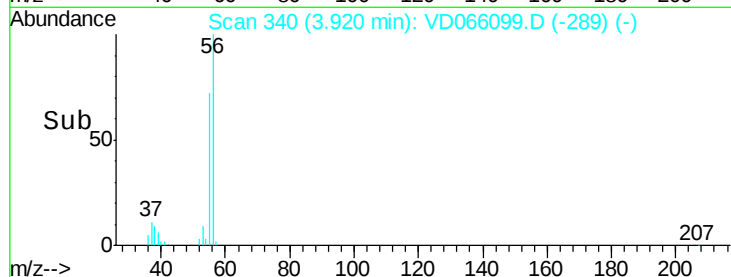
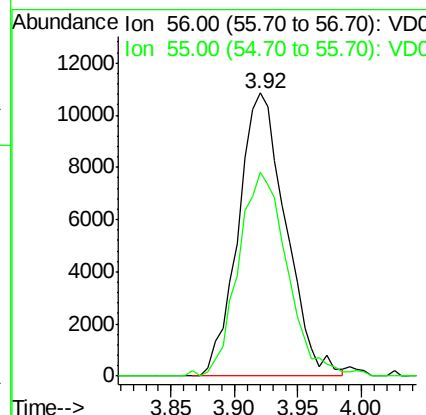
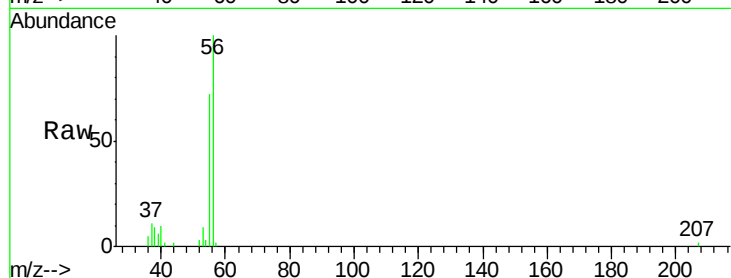
ClientSampleId :

Tot Ion: 56 Resp: 28247

Ion Ratio Lower Upper

56 100

55 74.5 55.8 83.8



#14

Allyl chloride

Concen: 44.941 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

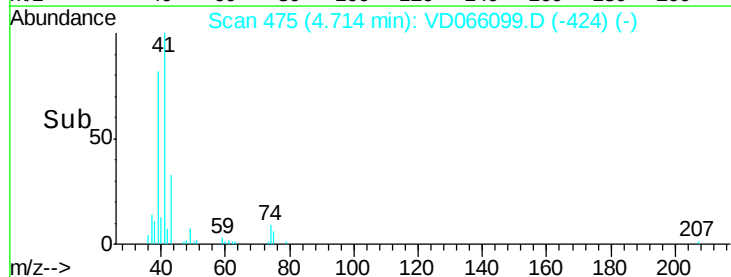
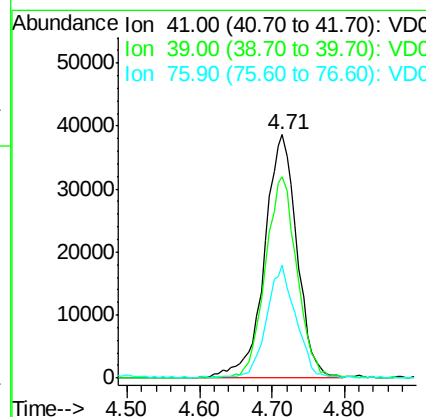
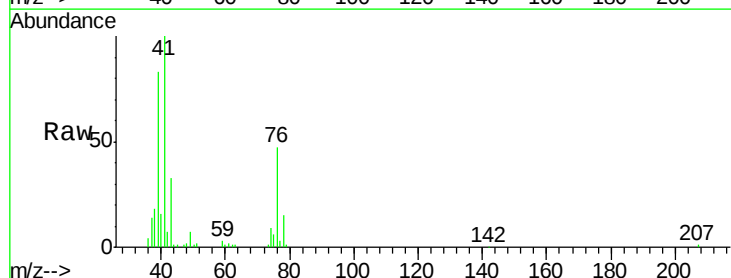
Tgt Ion: 41 Resp: 121158

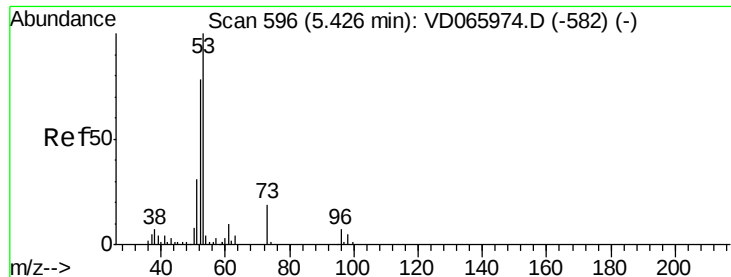
Ion Ratio Lower Upper

41 100

39 80.9 53.4 80.2#

76 41.8 29.1 43.7





#15

Acrylonitrile

Concen: 254.593 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

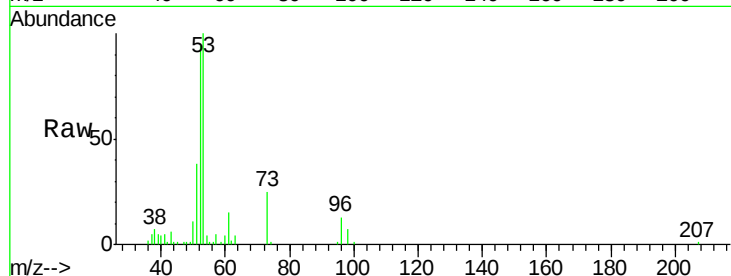
Tot Ion: 53 Resp: 89962

Ion Ratio Lower Upper

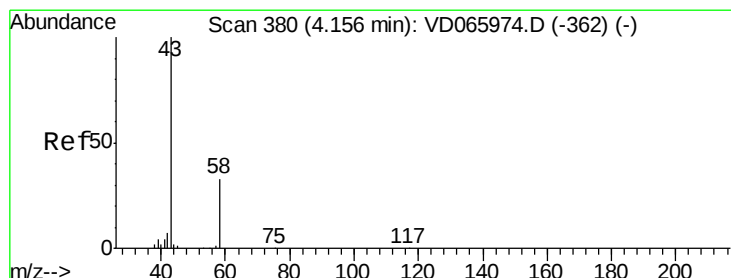
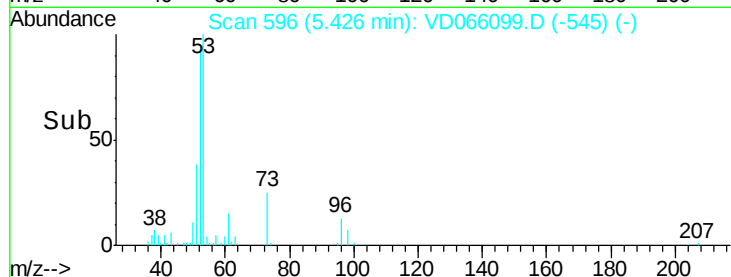
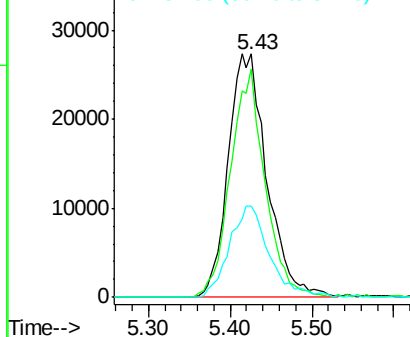
53 100

52 83.8 67.1 100.7

51 38.7 28.7 43.1



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: 212.657 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066099.D

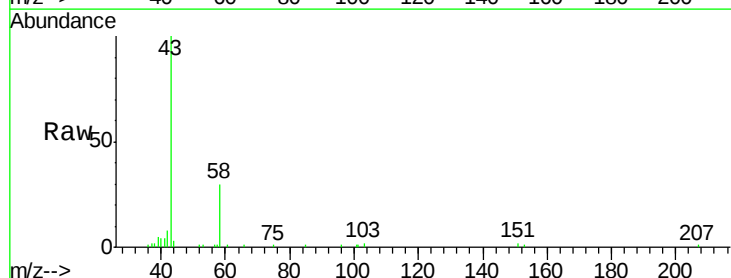
Acq: 29 Jul 2020 19:44

Tgt Ion: 43 Resp: 73060

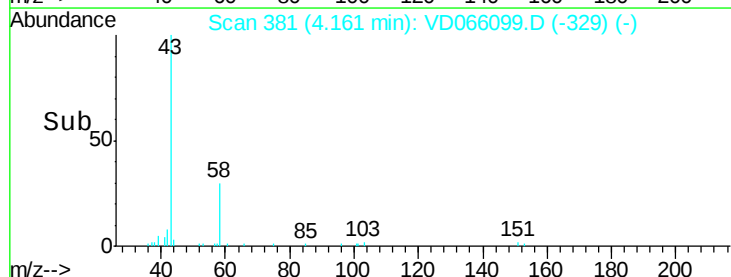
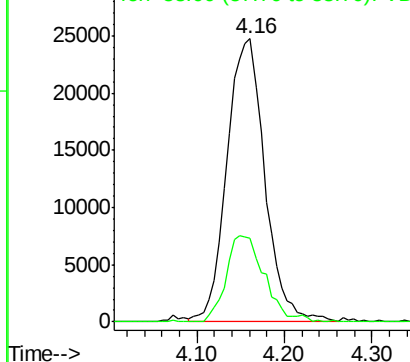
Ion Ratio Lower Upper

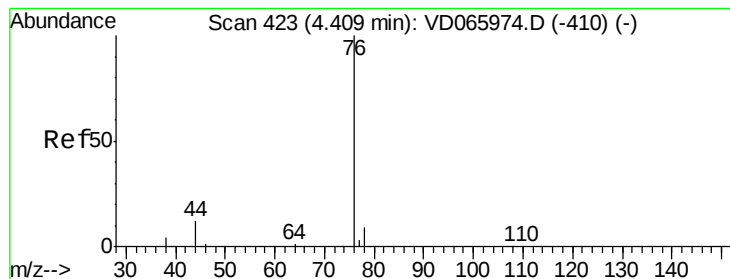
43 100

58 29.5 26.3 39.5



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





#17

Carbon Disulfide

Concen: 42.459 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

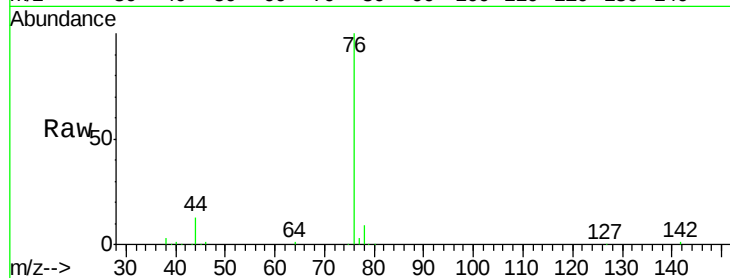
ClientSampleId :

Tot Ion: 76 Resp: 237529

Ion Ratio Lower Upper

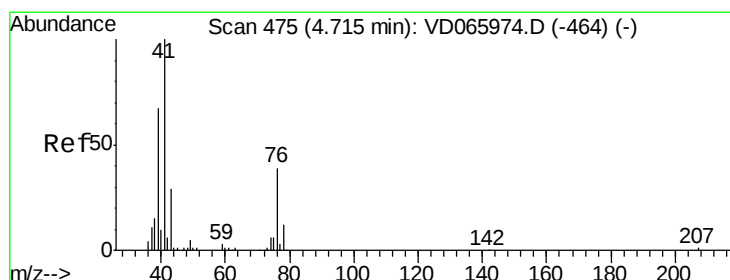
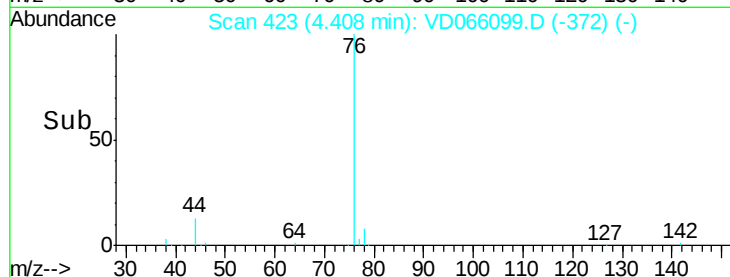
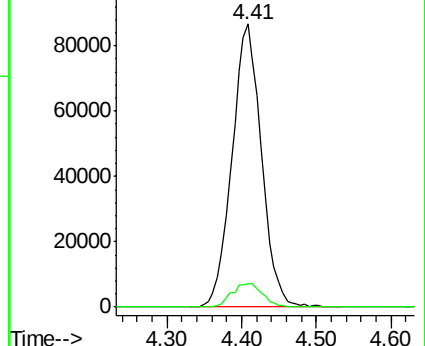
76 100

78 8.5 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 48.495 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066099.D

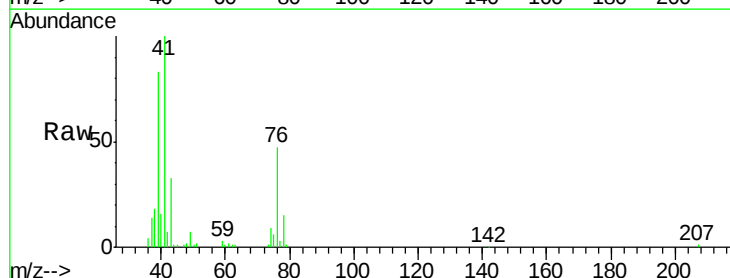
Acq: 29 Jul 2020 19:44

Tgt Ion: 43 Resp: 38758

Ion Ratio Lower Upper

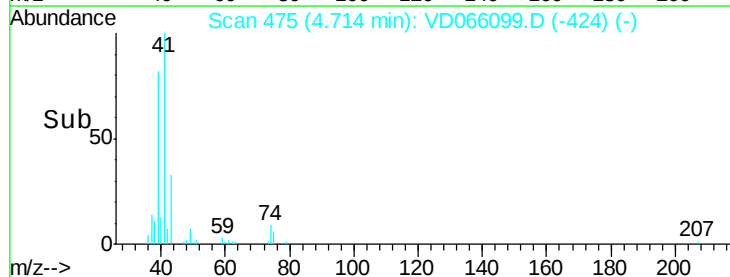
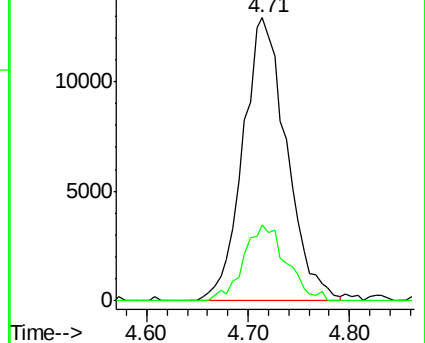
43 100

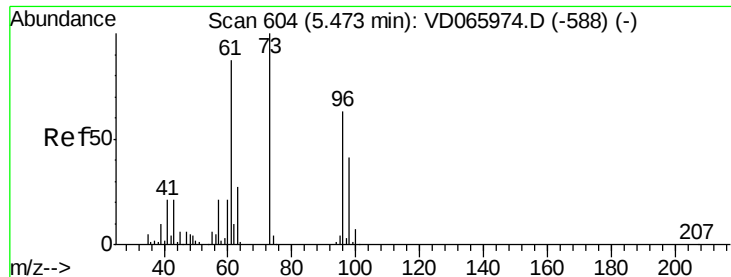
74 26.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

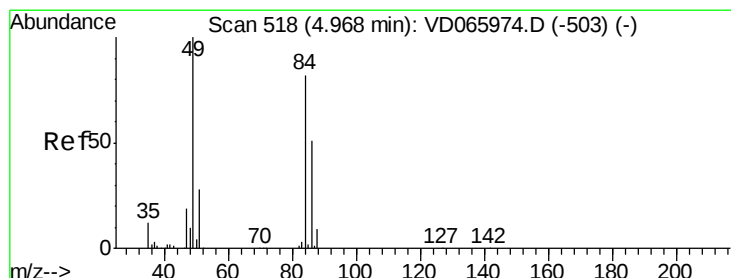
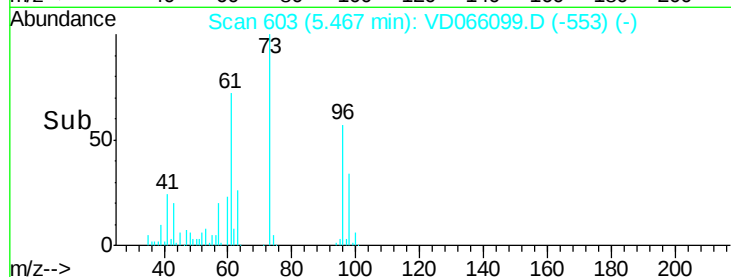
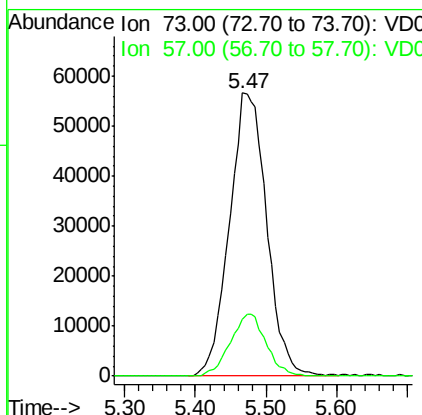
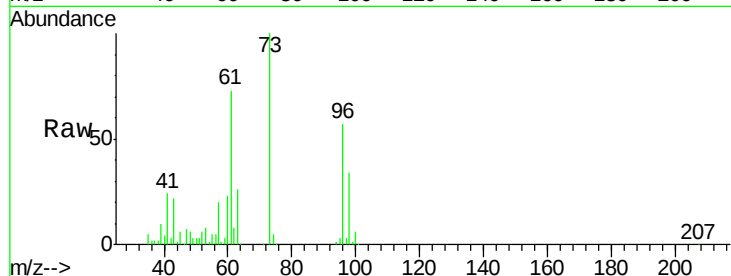




#19
Methvl tert-butvl Ether
Concen: 58.594 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

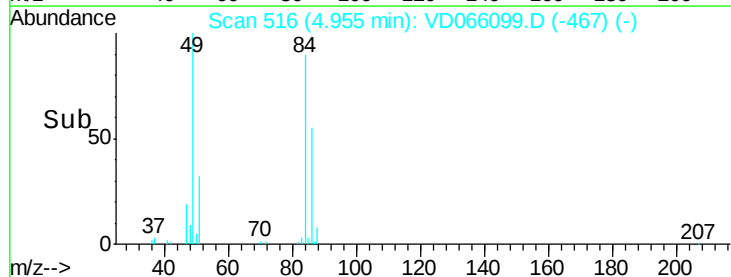
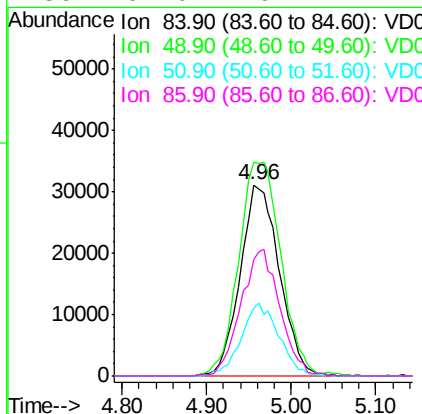
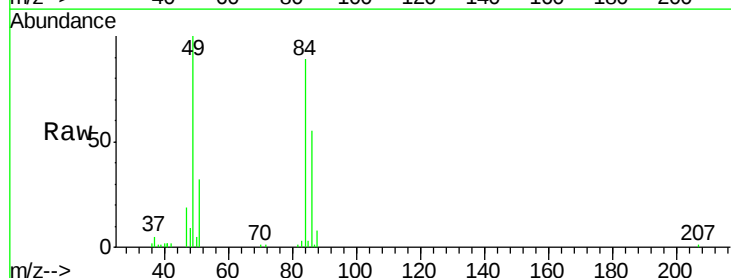
Instrument :
MSVOA_D
ClientSampleId :

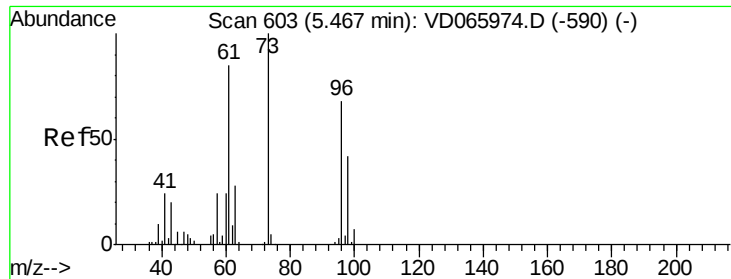
Tot Ion: 73 Resp: 207628
Ion Ratio Lower Upper
73 100
57 20.0 17.0 25.4



#20
Methylene Chloride
Concen: 52.989 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion: 84 Resp: 100324
Ion Ratio Lower Upper
84 100
49 111.7 97.7 146.5
51 35.3 27.4 41.2
86 61.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 51.161 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

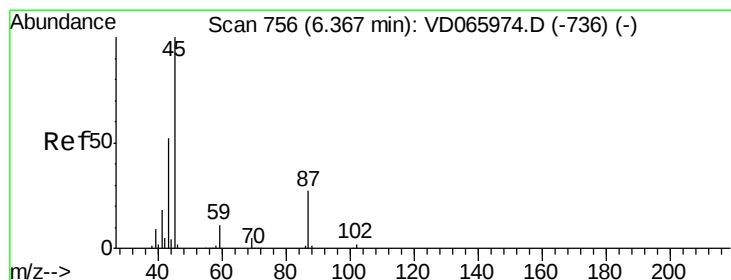
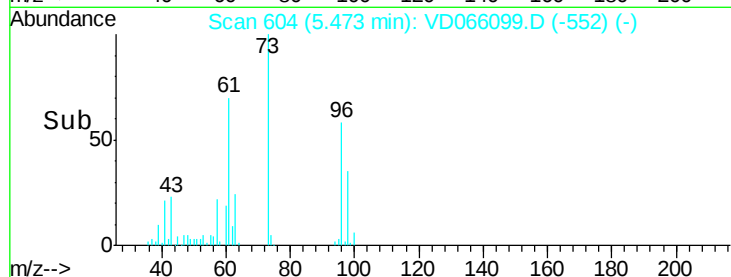
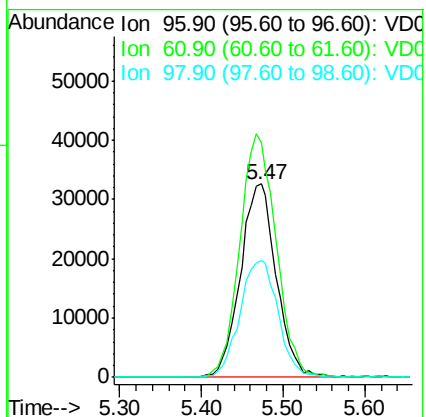
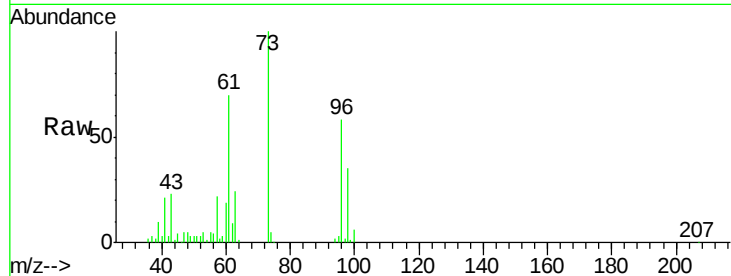
Tot Ion: 96 Resp: 99724

Ion Ratio Lower Upper

96 100

61 121.1 100.5 150.7

98 60.4 49.7 74.5



#22

Diisopropyl ether

Concen: 51.776 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Tgt Ion: 45 Resp: 265191

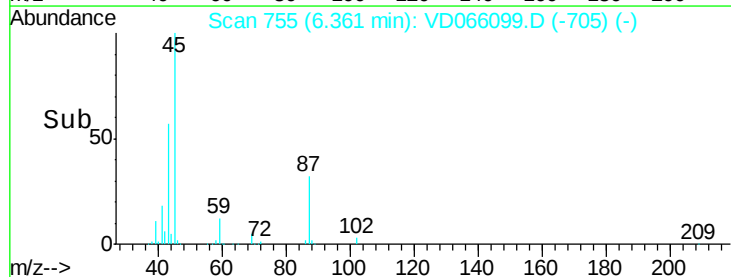
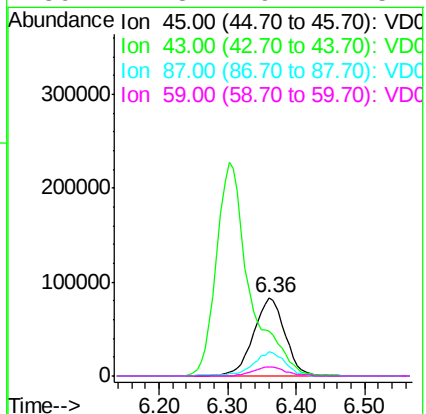
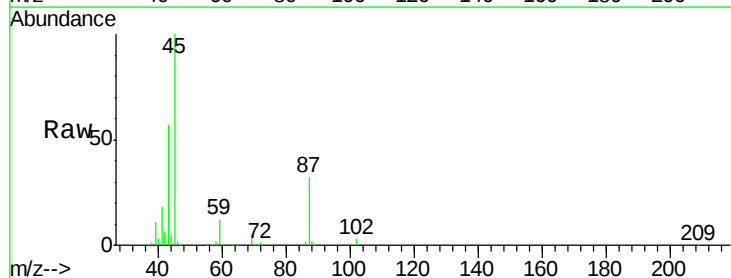
Ion Ratio Lower Upper

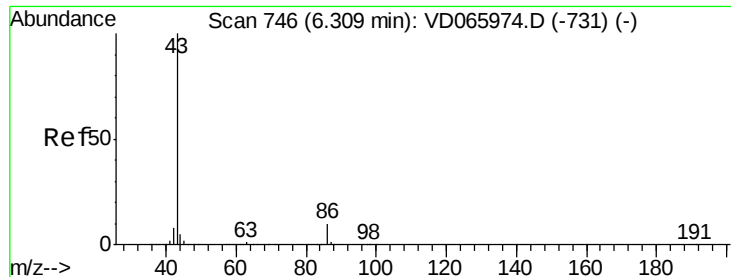
45 100

43 56.4 43.0 64.4

87 31.6 22.0 33.0

59 11.8 9.1 13.7





#23

Vinyl Acetate

Concen: 264.535 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

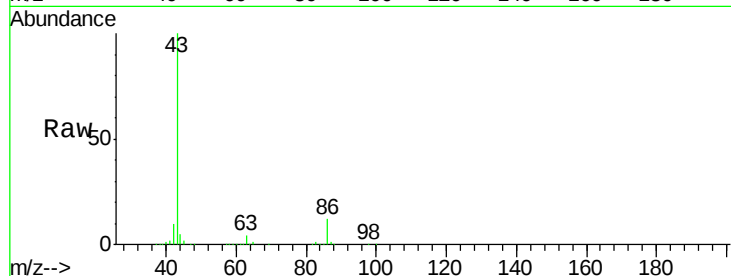
ClientSampleId :

Tot Ion: 43 Resp: 764125

Ion Ratio Lower Upper

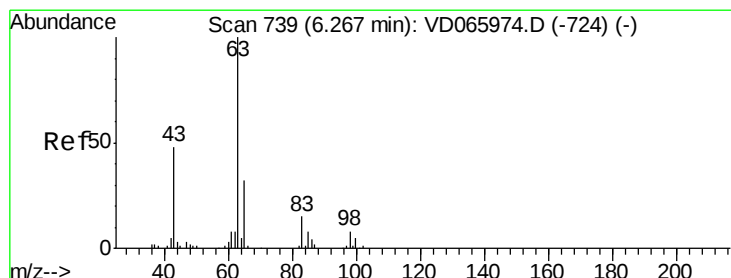
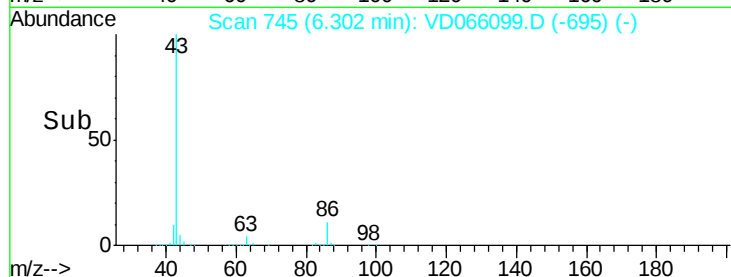
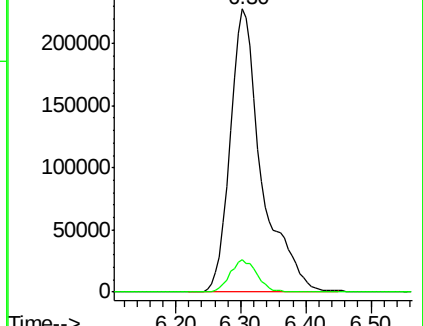
43 100

86 11.5 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.975 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

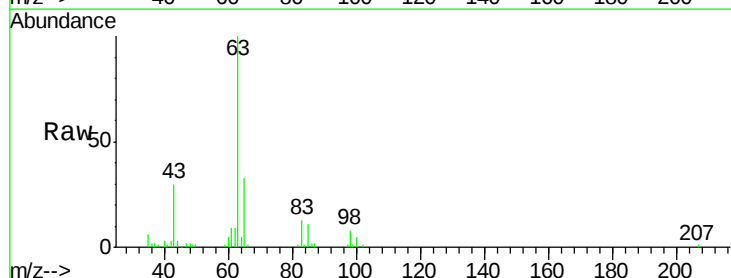
Tgt Ion: 63 Resp: 164401

Ion Ratio Lower Upper

63 100

98 7.9 4.3 12.8

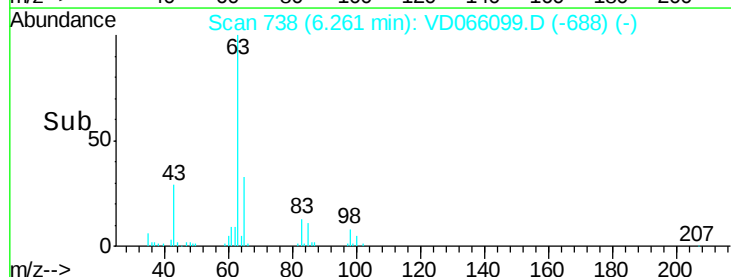
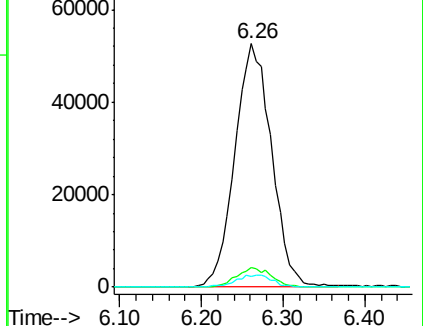
100 4.6 2.5 7.5

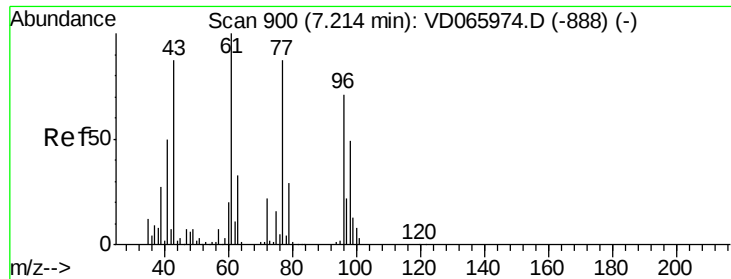


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 236.147 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

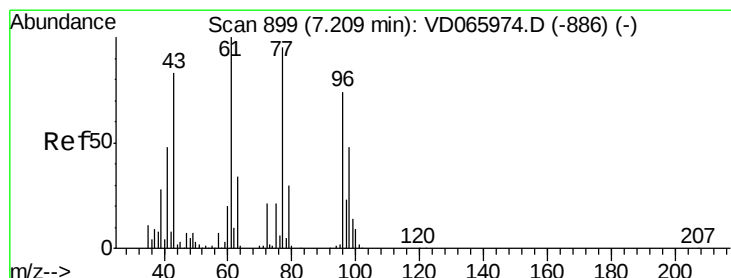
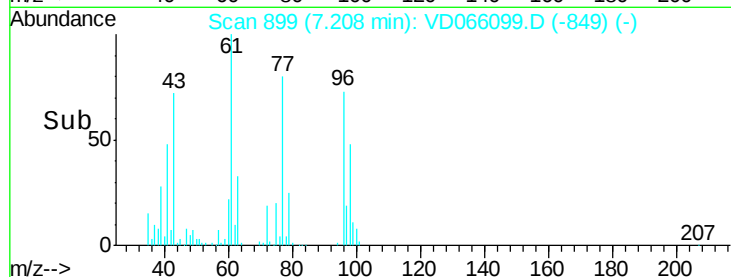
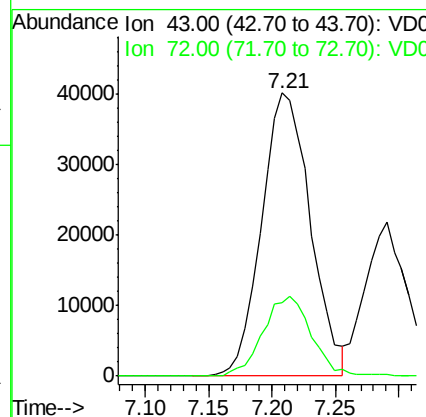
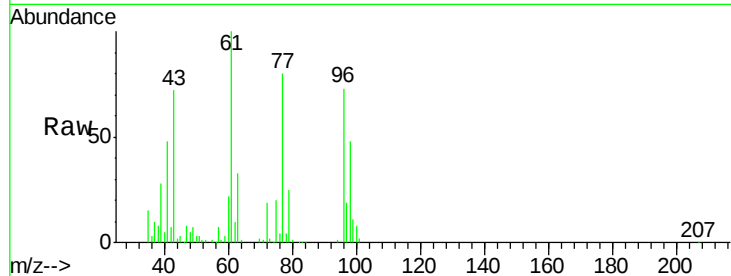
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 107653

Ion Ratio Lower Upper

43 100

72 25.8 20.2 30.2



#26

2,2-Dichloropropane

Concen: 49.745 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066099.D

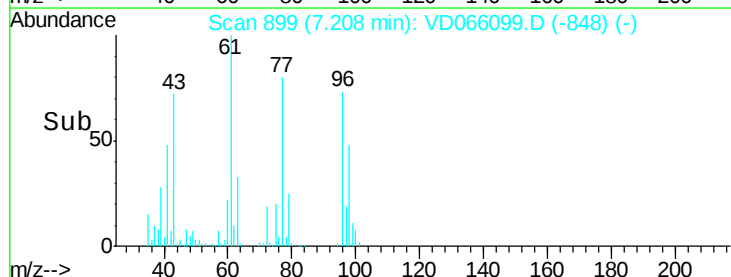
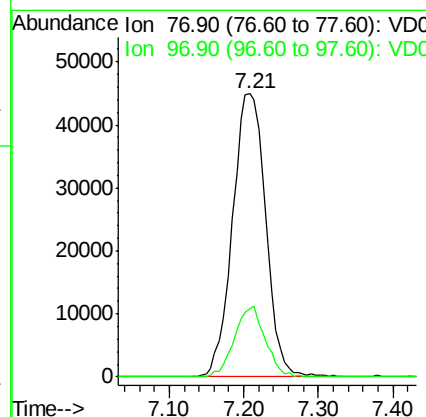
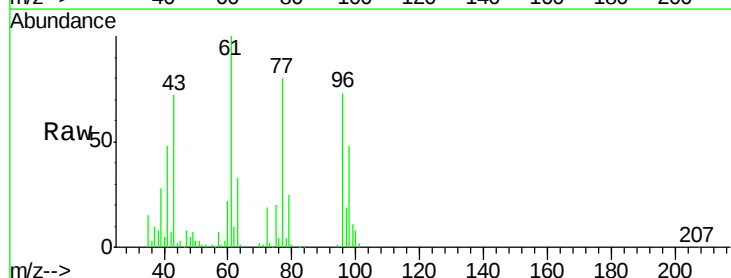
Acq: 29 Jul 2020 19:44

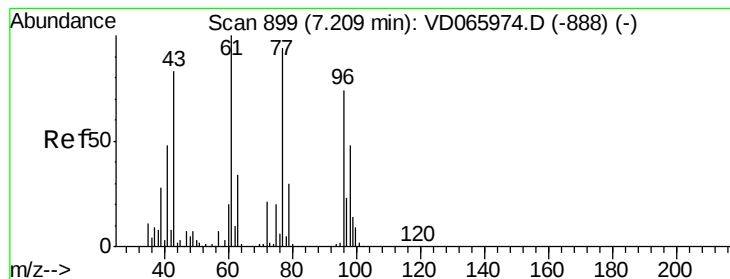
Tgt Ion: 77 Resp: 138826

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.7



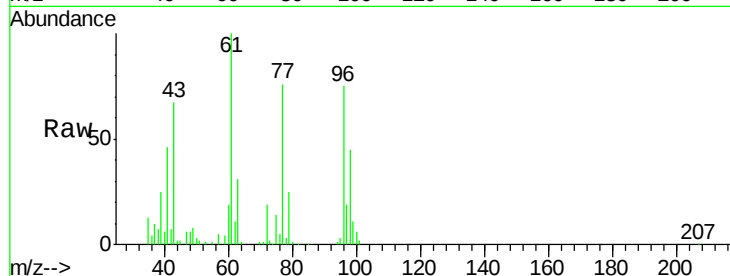


#27

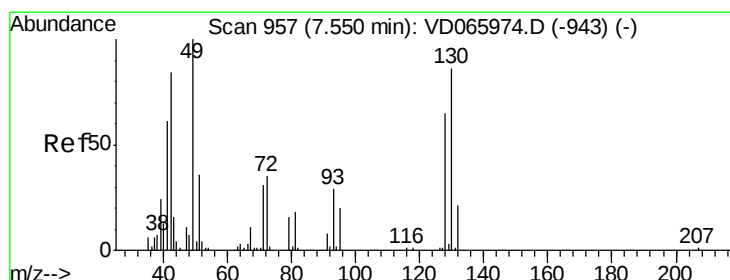
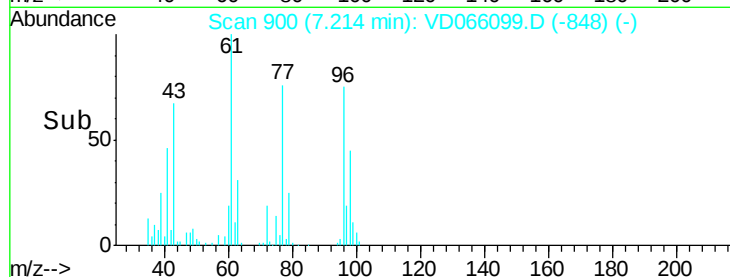
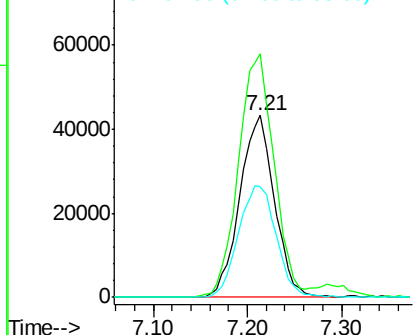
cis-1,2-Dichloroethene
 Concen: 53.801 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 111034
 Ion Ratio Lower Upper
 96 100
 61 137.0 0.0 276.6
 98 66.7 0.0 130.8



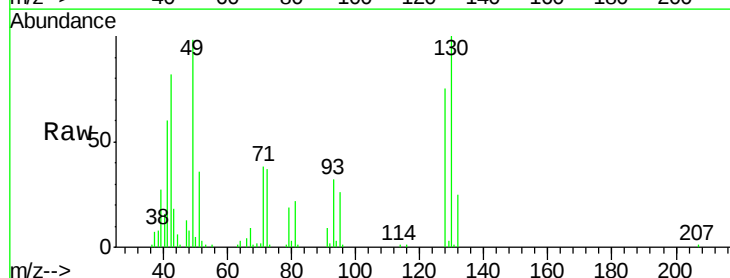
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



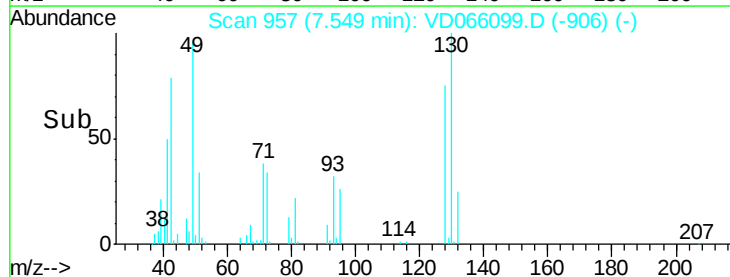
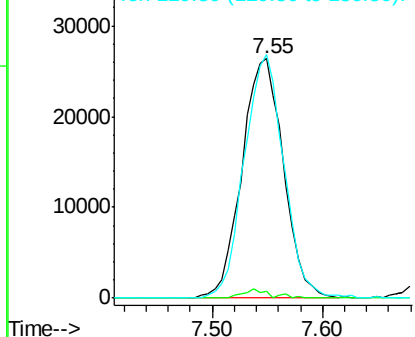
#28

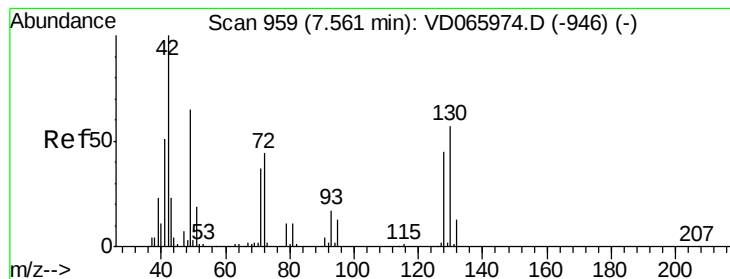
Bromochloromethane
 Concen: 52.829 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Tgt Ion: 49 Resp: 69585
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.8
 130 97.2 68.4 102.6



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: 247.459 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

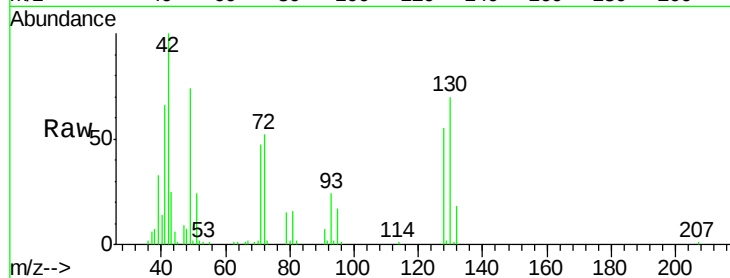
Tot Ion: 42 Resp: 69604

Ion Ratio Lower Upper

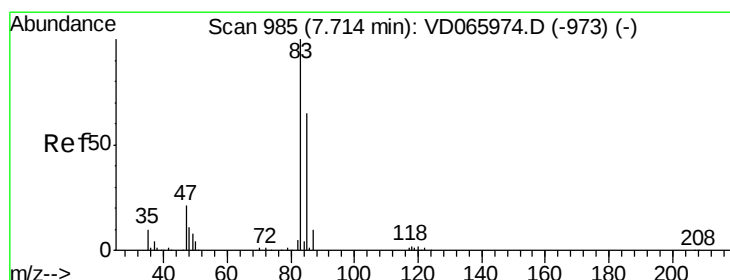
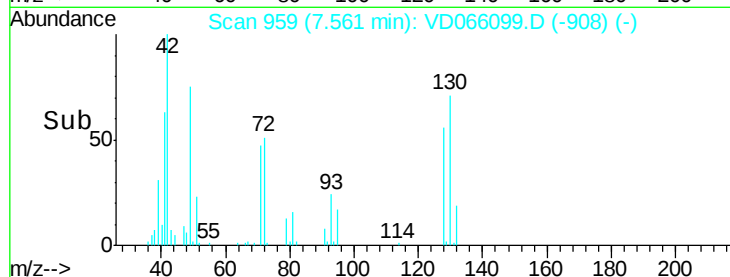
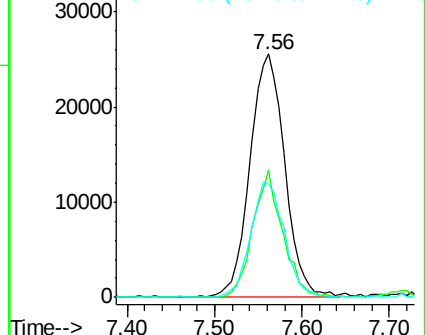
42 100

72 44.6 34.2 51.2

71 45.6 31.4 47.2



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: 57.629 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD066099.D

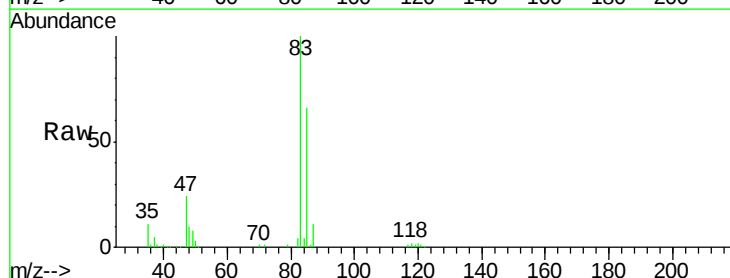
Acq: 29 Jul 2020 19:44

Tgt Ion: 83 Resp: 187079

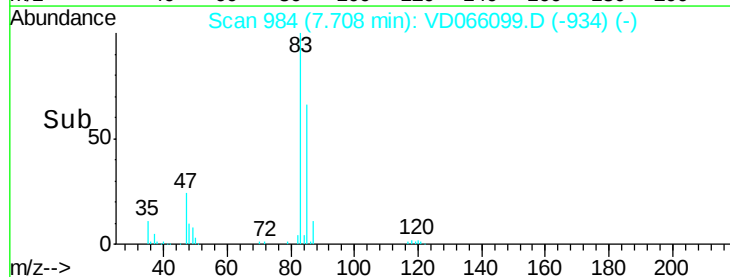
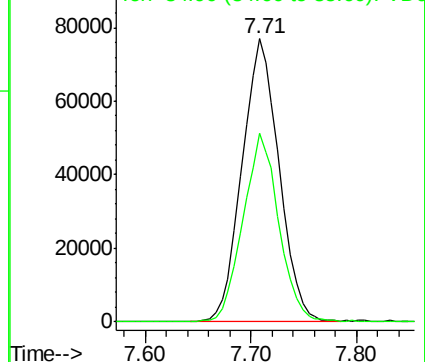
Ion Ratio Lower Upper

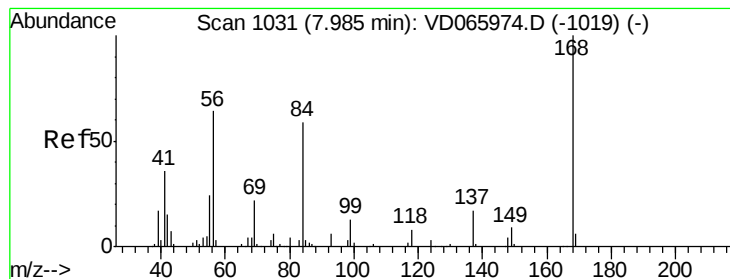
83 100

85 66.5 52.1 78.1



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





#31

Cyclohexane

Concen: 41.574 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

ClientSampled :

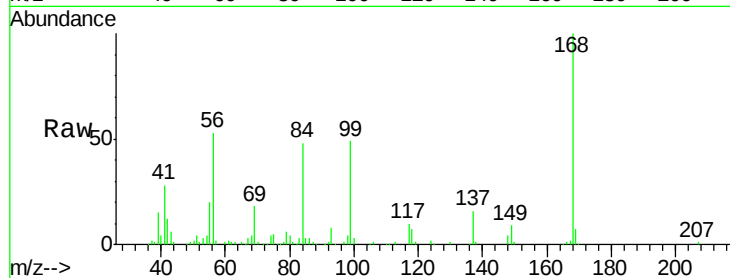
Tot Ion: 56 Resp: 126930

Ion Ratio Lower Upper

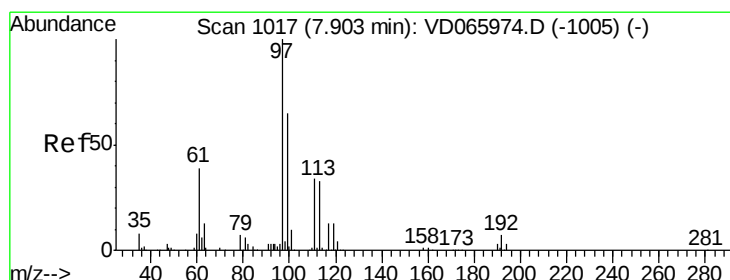
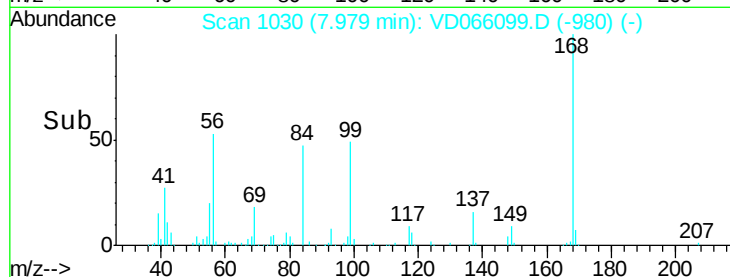
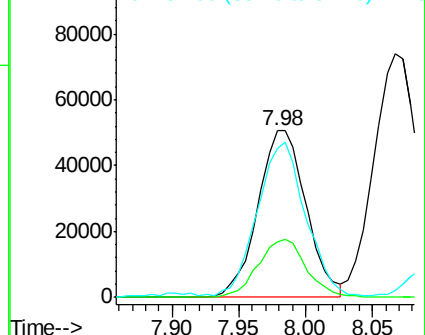
56 100

69 33.5 28.0 42.0

84 86.9 72.6 109.0



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



#32

1,1,1-Trichloroethane

Concen: 55.833 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

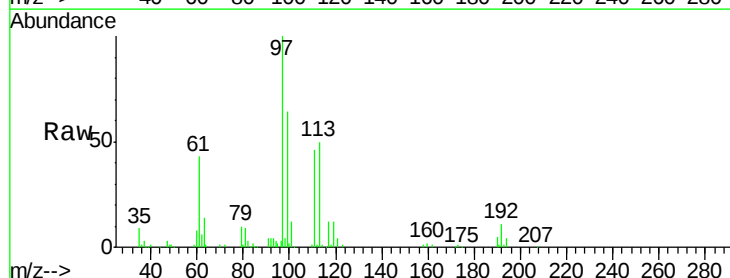
Tgt Ion: 97 Resp: 167654

Ion Ratio Lower Upper

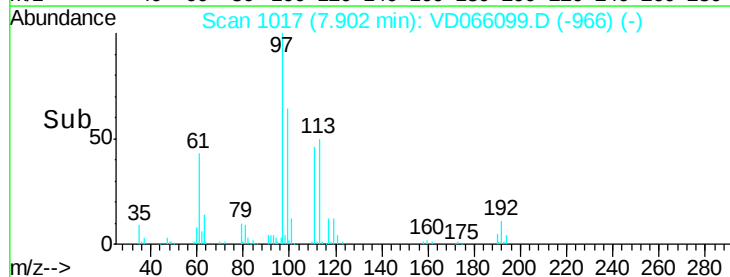
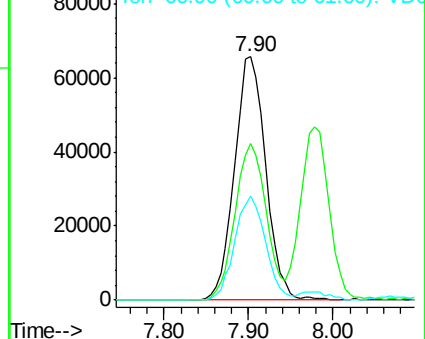
97 100

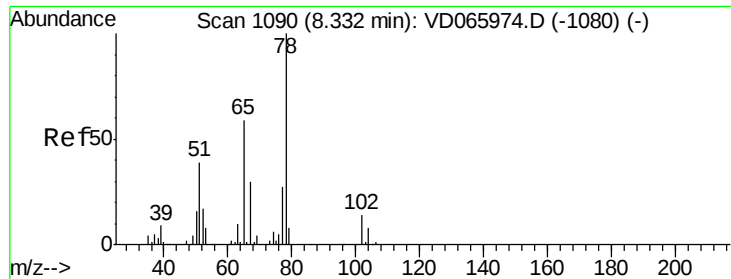
99 64.8 51.8 77.6

61 42.0 33.3 49.9



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

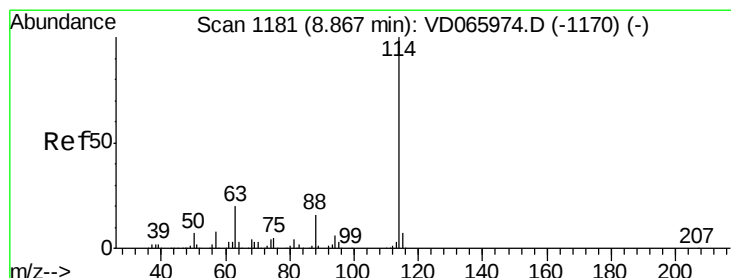
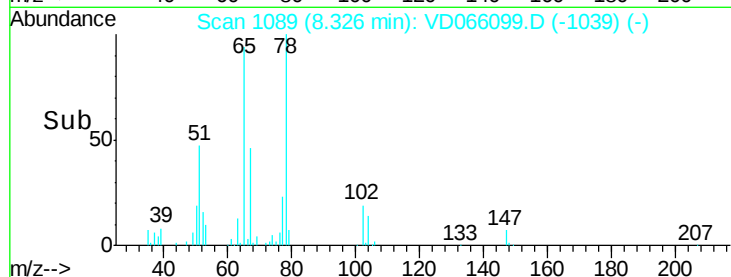
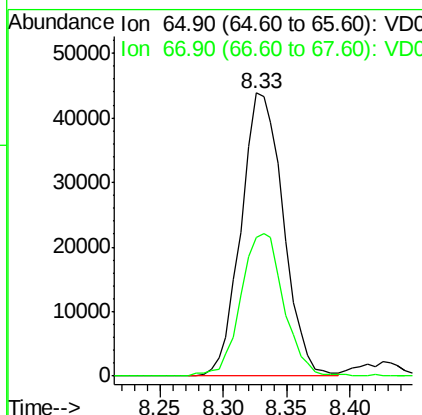
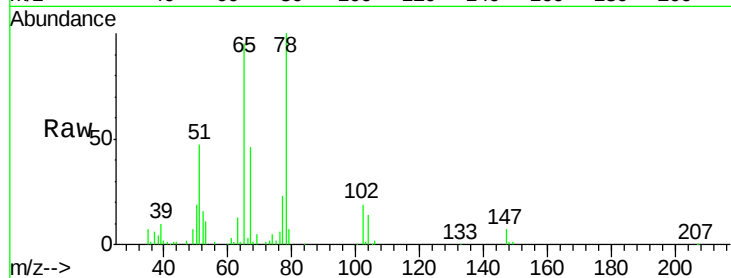




#33
 1,2-Dichloroethane-d4
 Concen: 59.854 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

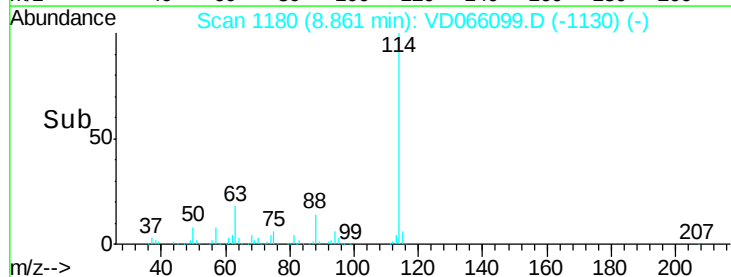
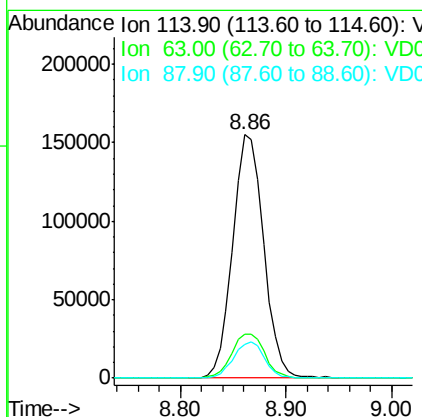
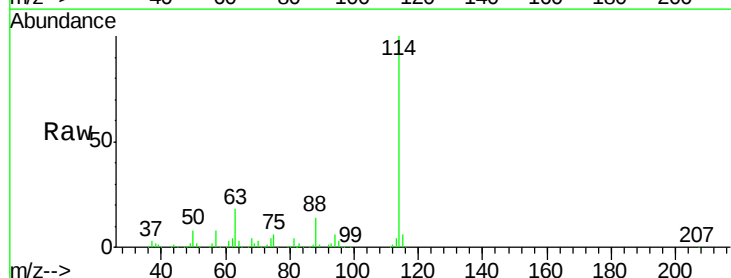
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 101591
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Tgt Ion: 114 Resp: 315347
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.6
 88 14.0 0.0 31.2

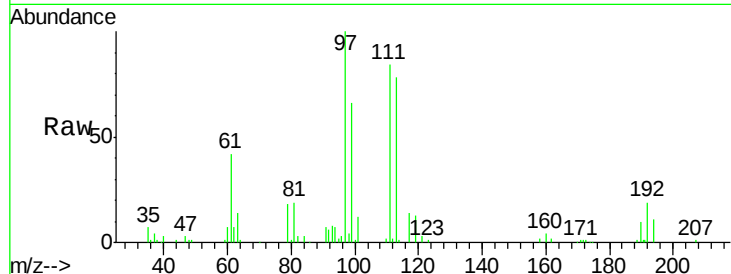




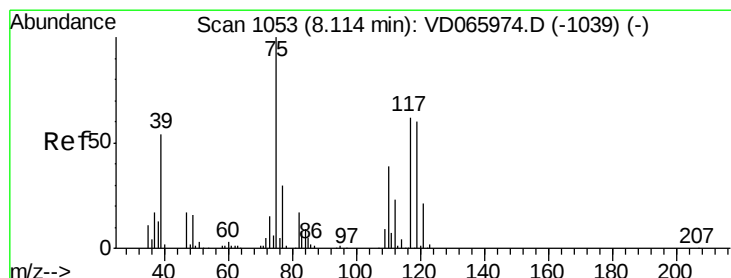
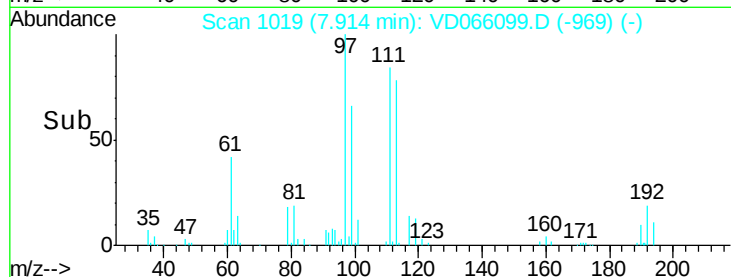
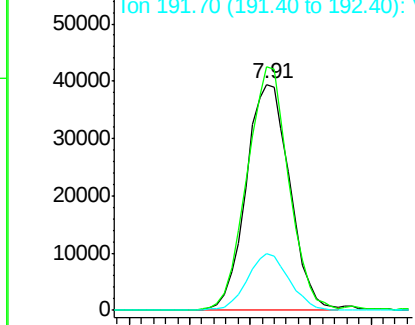
#35
 Dibromofluoromethane
 Concen: 51.749 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 98980
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.2 124.8
 192 24.0 18.7 28.1

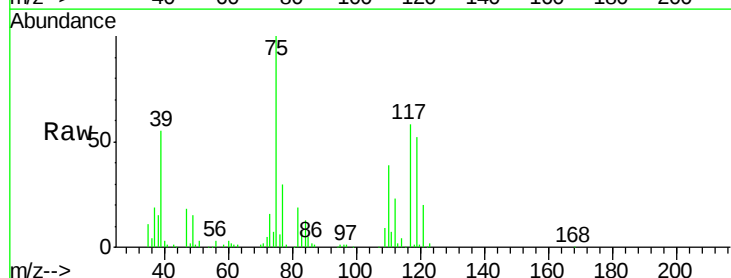


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

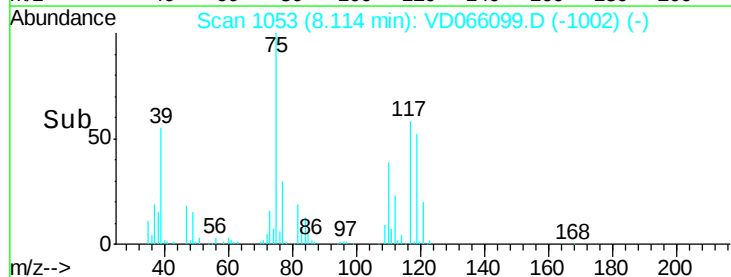
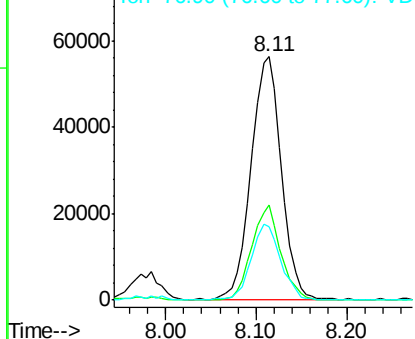


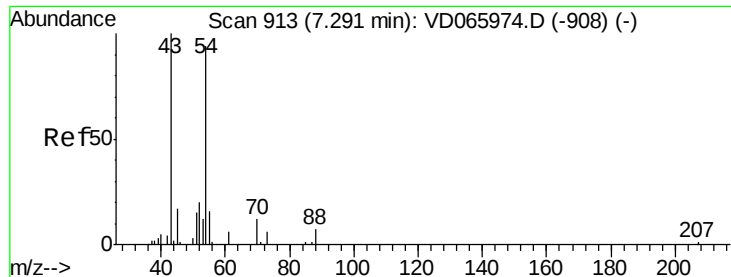
#36
 1,1-Dichloropropene
 Concen: 48.884 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Tgt Ion: 75 Resp: 131564
 Ion Ratio Lower Upper
 75 100
 110 36.8 19.5 58.5
 77 30.3 24.7 37.1



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

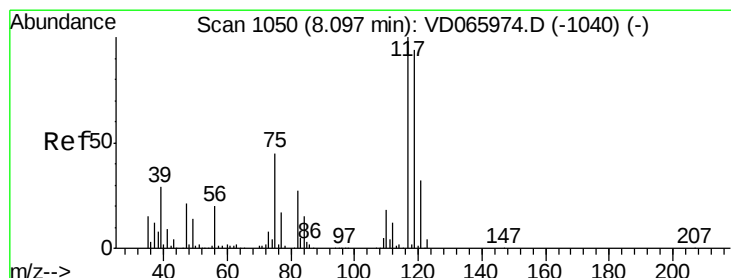
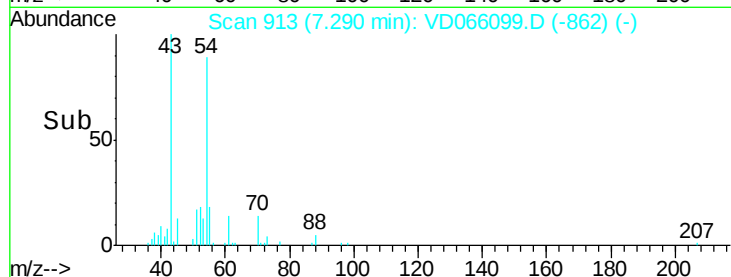
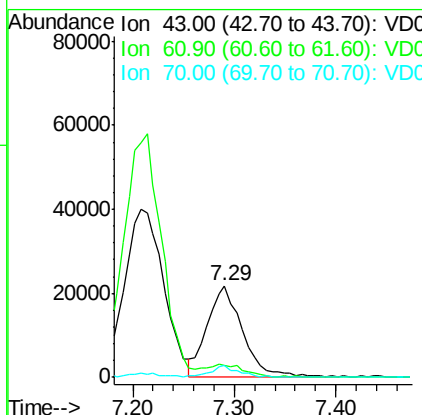
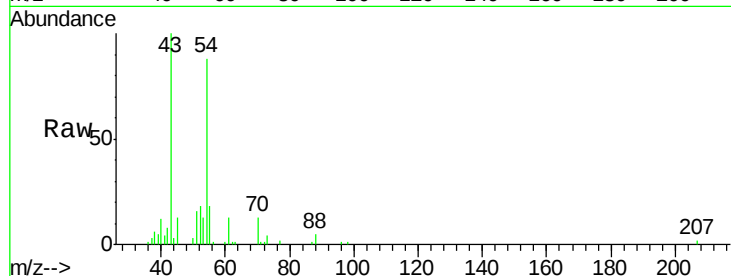




#37
Ethyl Acetate
Concen: 51.806 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

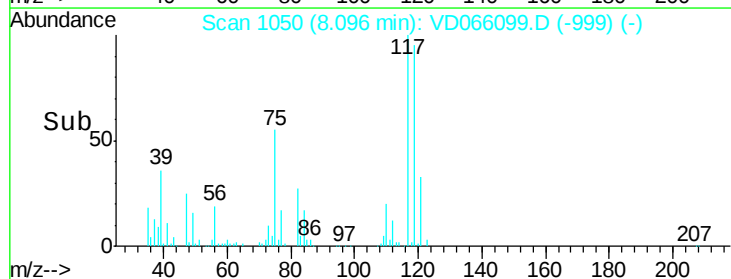
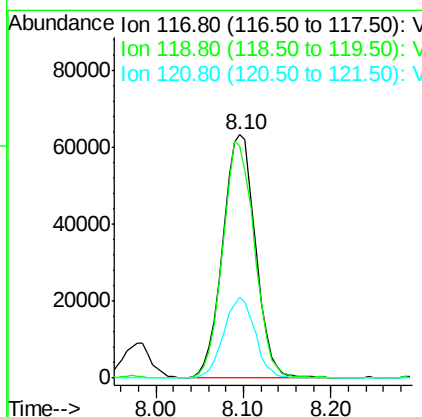
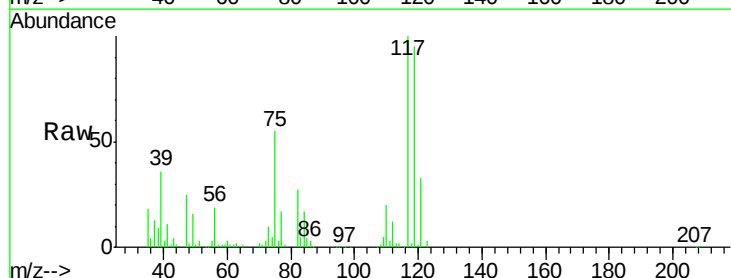
Instrument :
MSVOA_D
ClientSampleId :

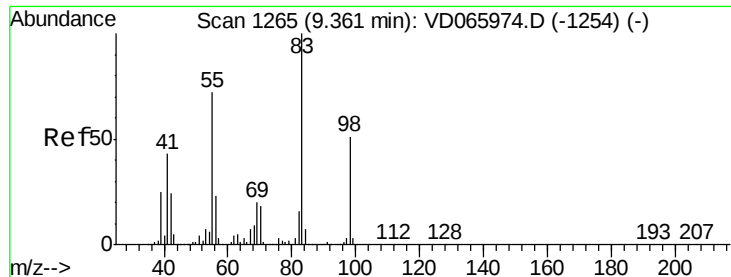
Tot Ion: 43 Resp: 53248
Ion Ratio Lower Upper
43 100
61 11.4 11.4 17.0
70 10.7 9.3 13.9



#38
Carbon Tetrachloride
Concen: 55.213 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion: 117 Resp: 161233
Ion Ratio Lower Upper
117 100
119 94.9 75.0 112.6
121 33.2 25.5 38.3

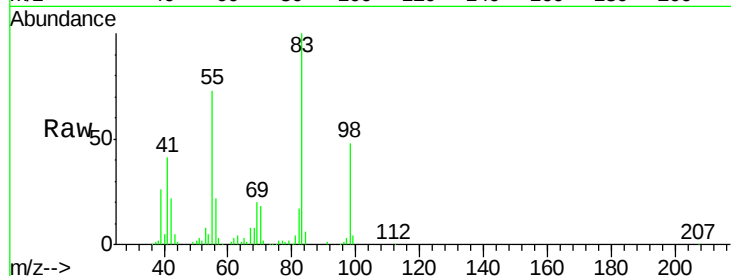




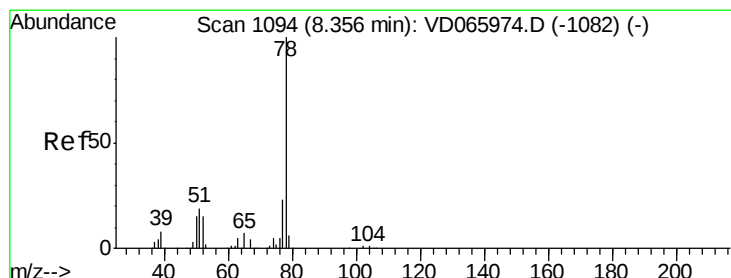
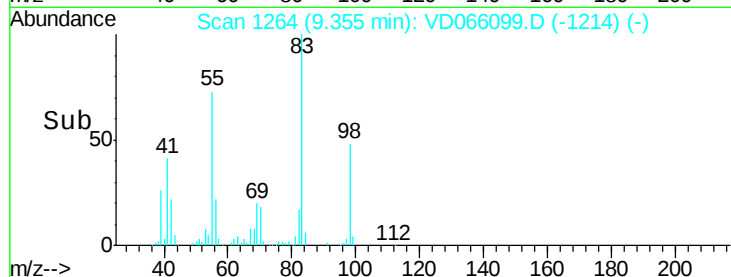
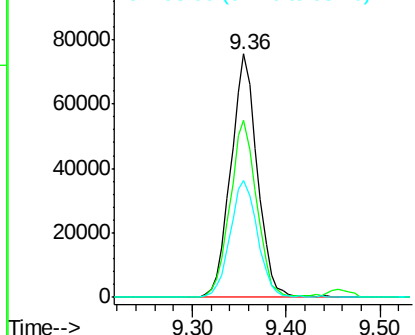
#39
Methvlcvclohexane
Concen: 45.233 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 147424
Ion Ratio Lower Upper
83 100
55 72.7 57.3 85.9
98 47.9 41.0 61.6

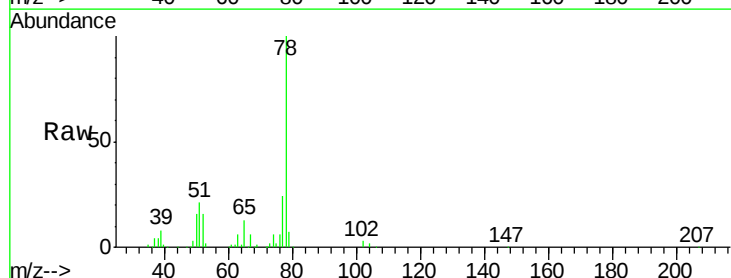


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

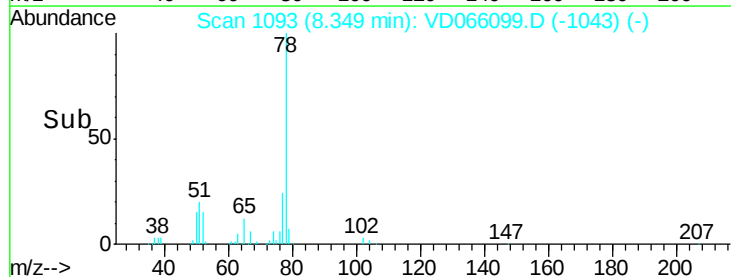
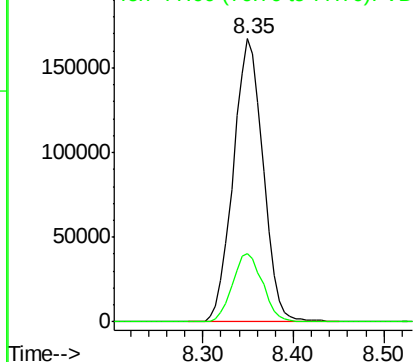


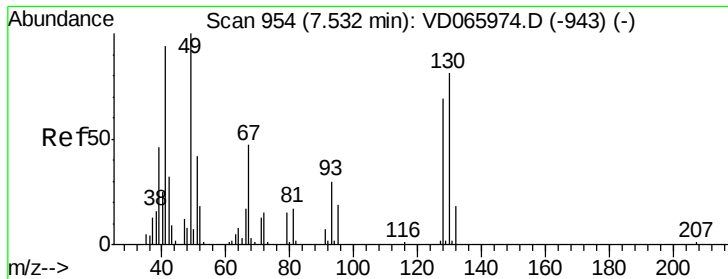
#40
Benzene
Concen: 50.915 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion: 78 Resp: 383362
Ion Ratio Lower Upper
78 100
77 24.2 18.6 27.8



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

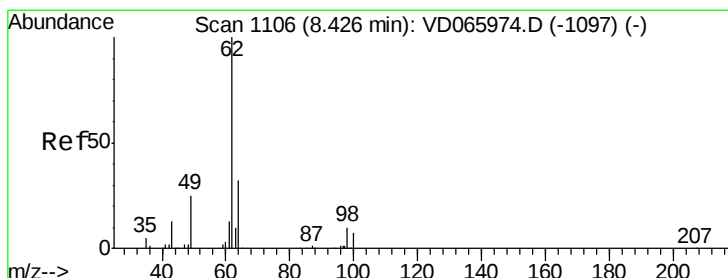
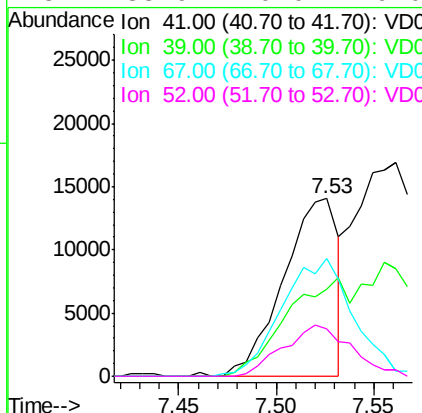
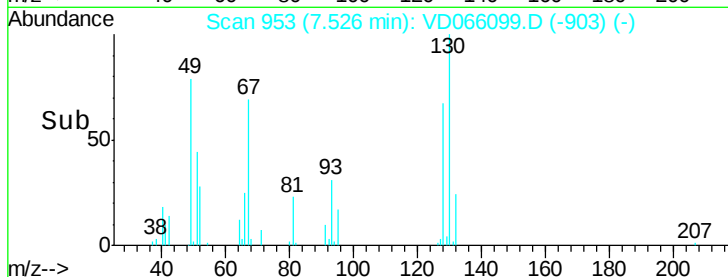
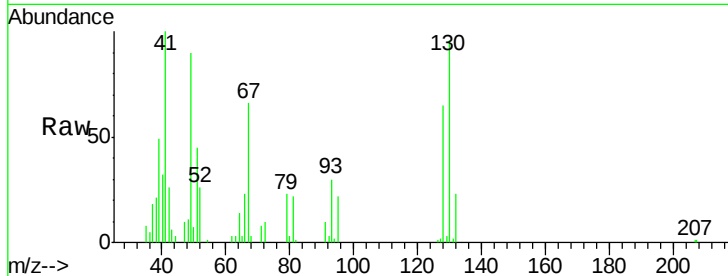




#41
Methacrylonitrile
Concen: 46.466 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

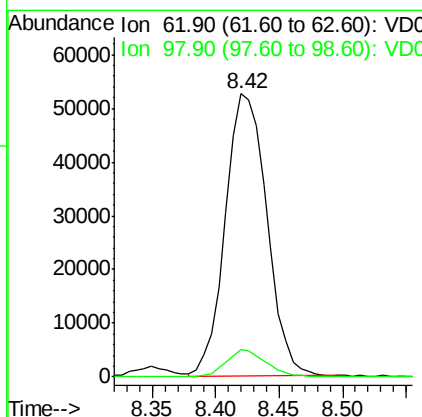
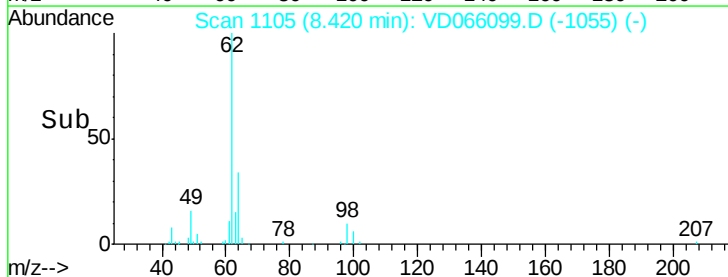
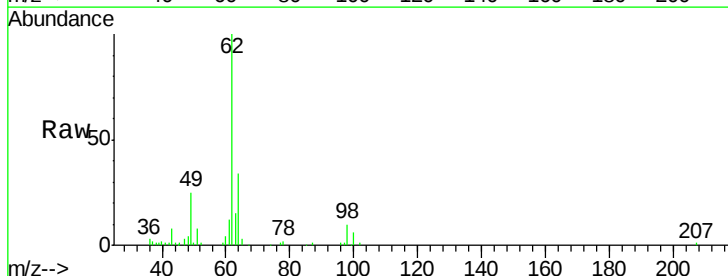
Instrument :
MSVOA_D
ClientSampleId :

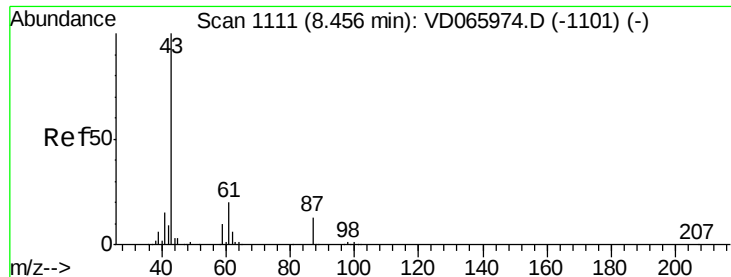
Tot Ion: 41 Resp: 27359
Ion Ratio Lower Upper
41 100
39 62.8 0.0 0.0#
67 86.8 0.0 0.0#
52 35.9 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 57.928 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion: 62 Resp: 119520
Ion Ratio Lower Upper
62 100
98 9.2 0.0 21.0





#43

Isopropyl Acetate

Concen: 50.933 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

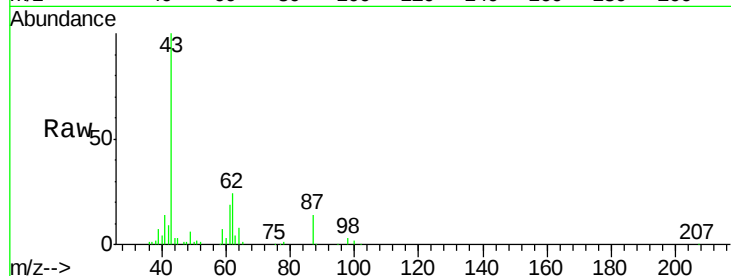
Tot Ion: 43 Resp: 102247

Ion Ratio Lower Upper

43 100

61 31.3 25.8 38.8

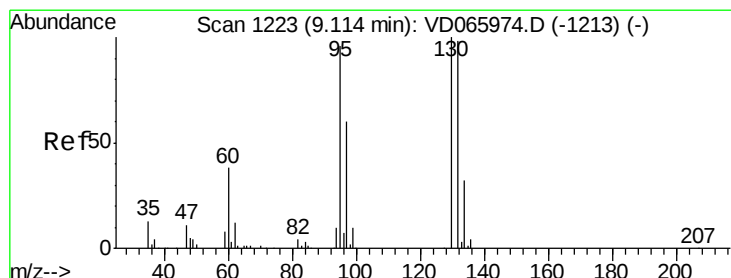
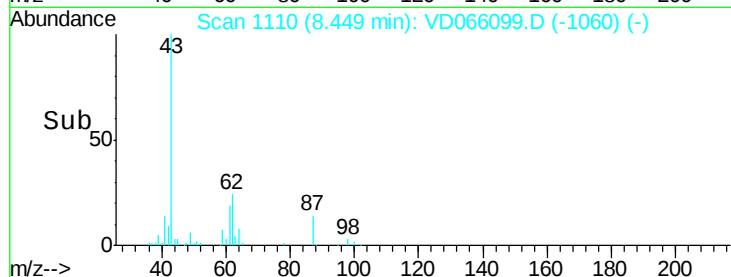
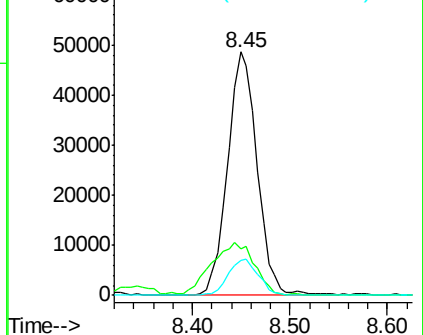
87 15.2 10.9 16.3



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: 50.937 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD066099.D

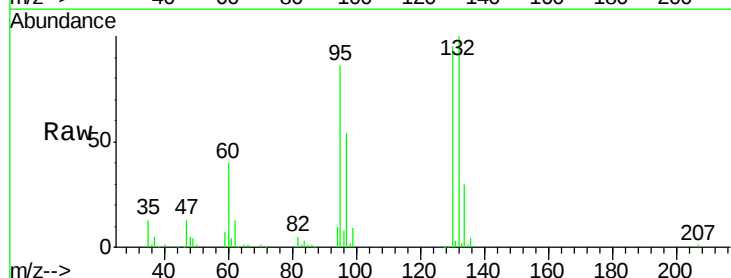
Acq: 29 Jul 2020 19:44

Tgt Ion: 130 Resp: 116060

Ion Ratio Lower Upper

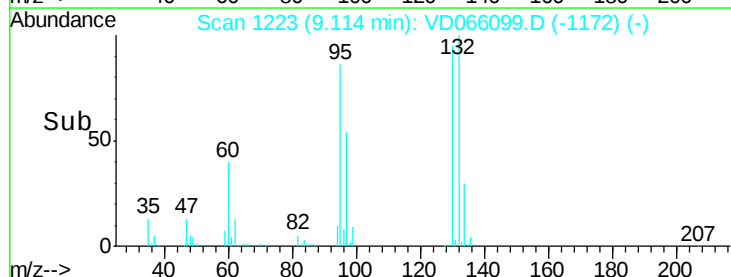
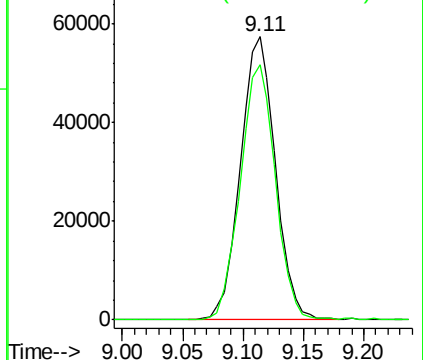
130 100

95 90.3 0.0 191.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.335 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

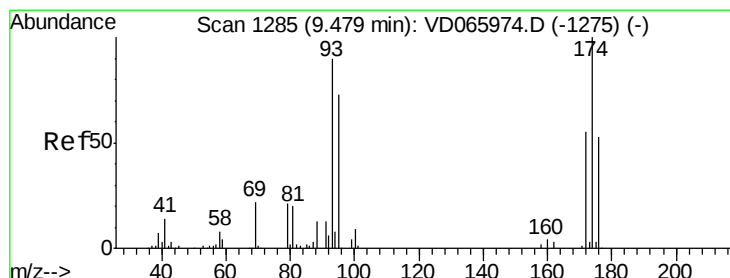
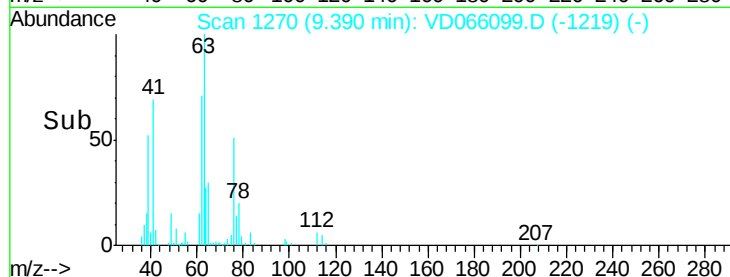
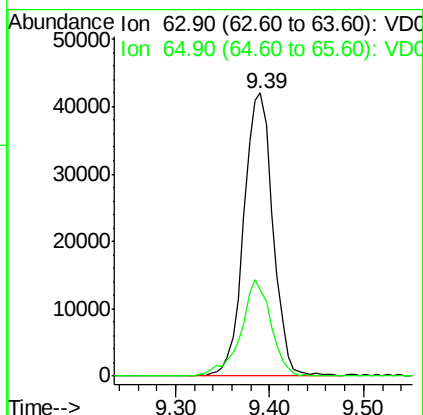
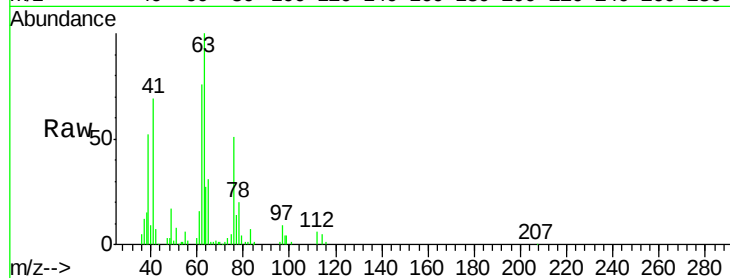
ClientSampleId :

Tot Ion: 63 Resp: 89966

Ion Ratio Lower Upper

63 100

65 30.6 24.0 36.0



#46

Dibromomethane

Concen: 54.682 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

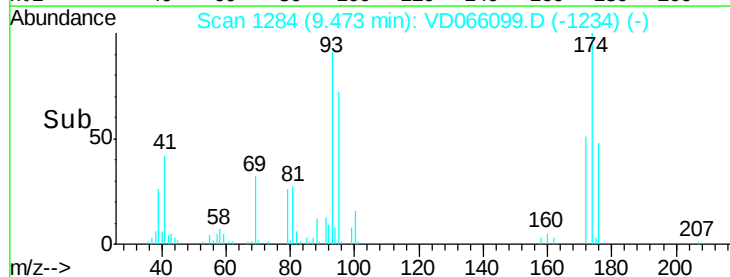
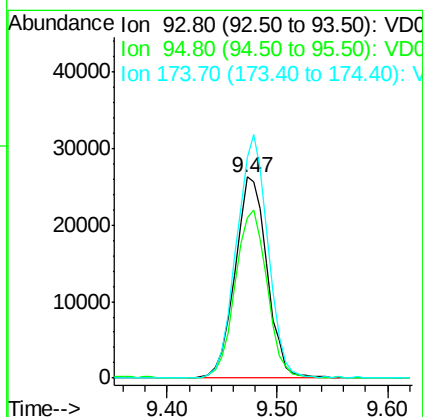
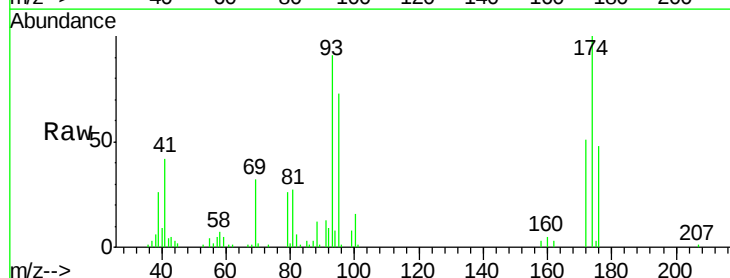
Tgt Ion: 93 Resp: 53680

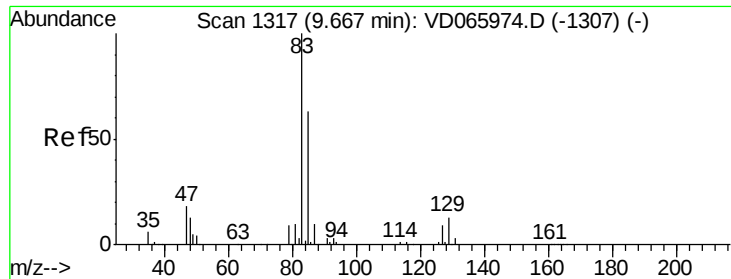
Ion Ratio Lower Upper

93 100

95 83.1 66.2 99.4

174 118.1 91.5 137.3





#47

Bromodichloromethane

Concen: 55.591 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

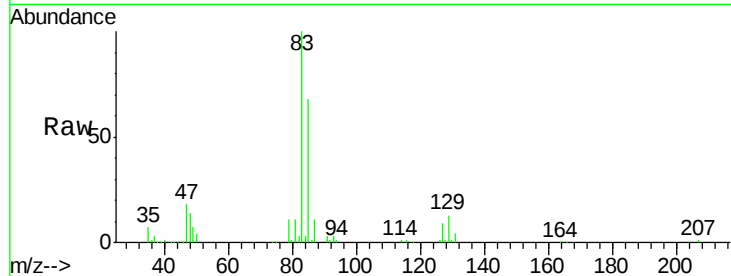
Tot Ion: 83 Resp: 144296

Ion Ratio Lower Upper

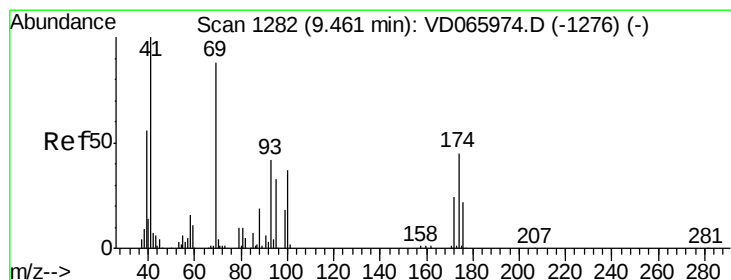
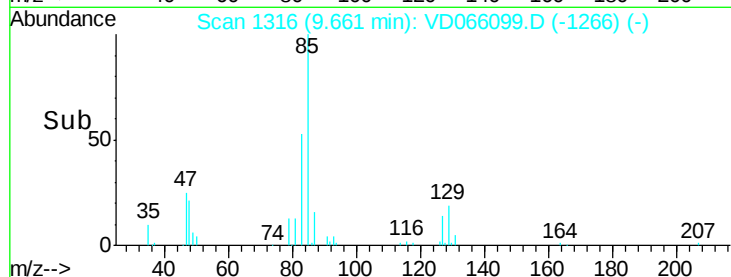
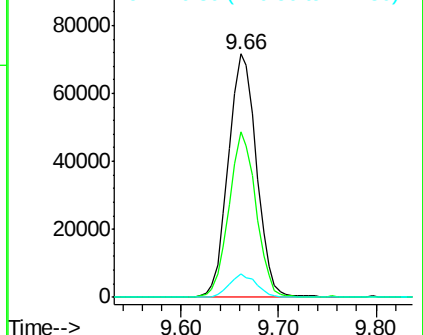
83 100

85 68.0 50.6 75.8

127 9.5 7.1 10.7



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



#48

Methyl methacrylate

Concen: 50.202 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

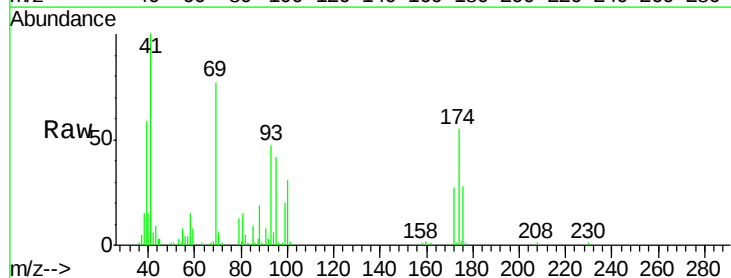
Tgt Ion: 41 Resp: 50836

Ion Ratio Lower Upper

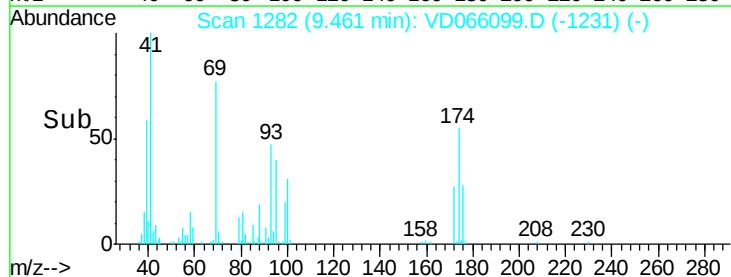
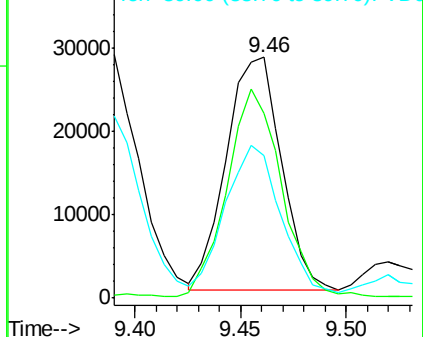
41 100

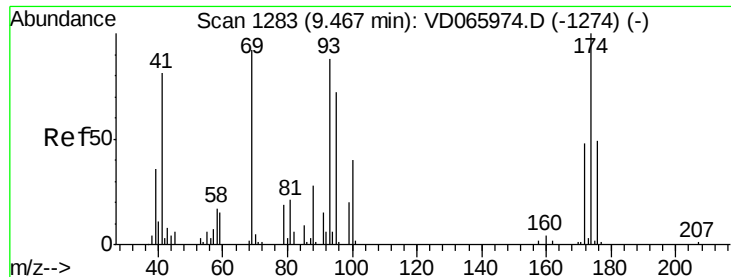
69 89.8 65.1 97.7

39 62.7 41.5 62.3#



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

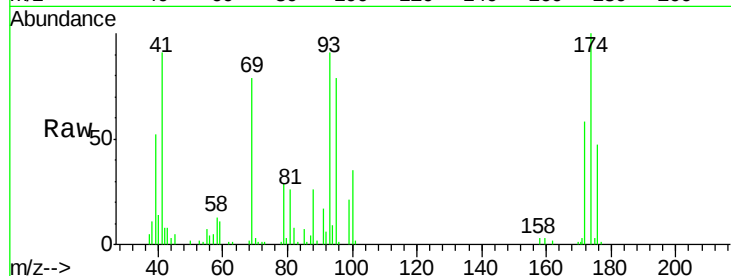




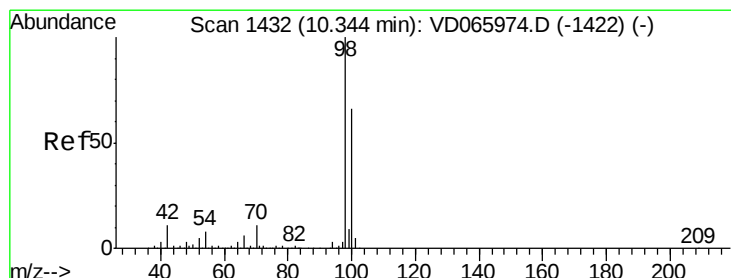
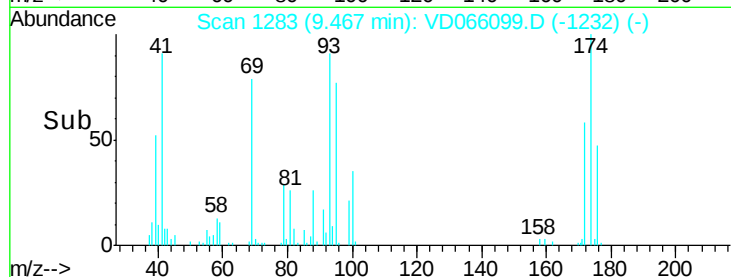
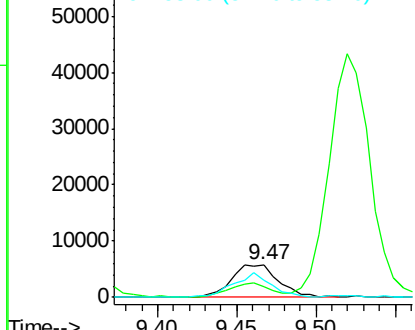
#49
1,4-Dioxane
Concen: 1039.977 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 11828
Ion Ratio Lower Upper
88 100
43 41.6 29.0 43.6
58 60.4 57.0 85.4

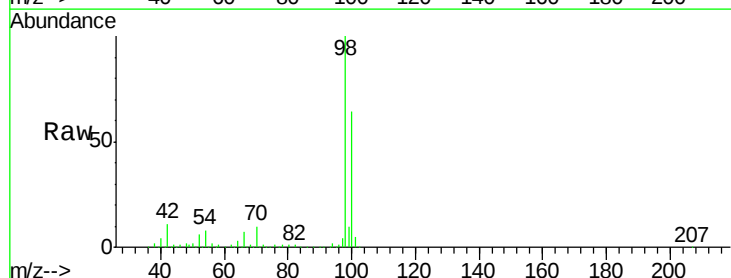


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

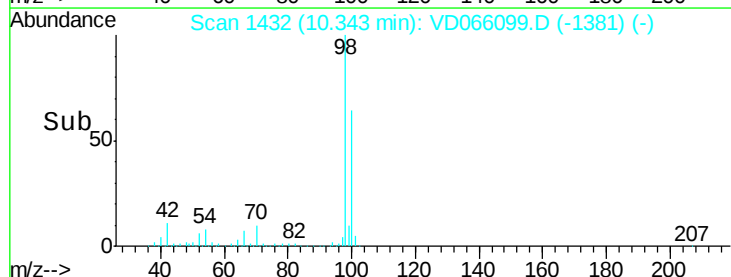
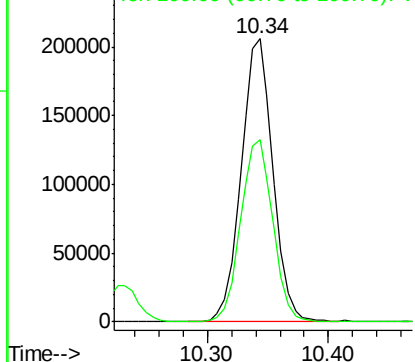


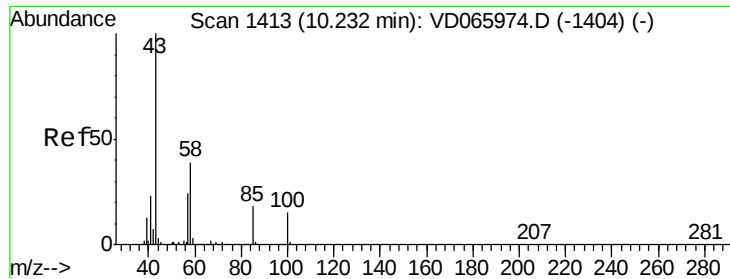
#50
Toluene-d8
Concen: 52.700 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion: 98 Resp: 375498
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

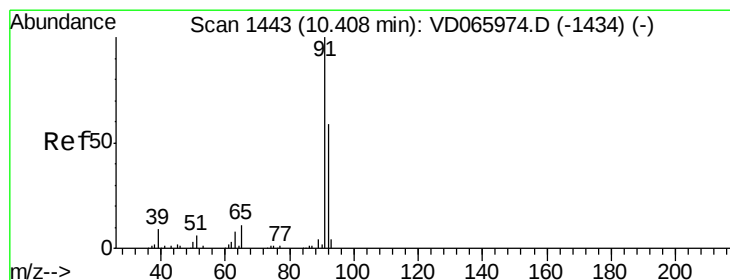
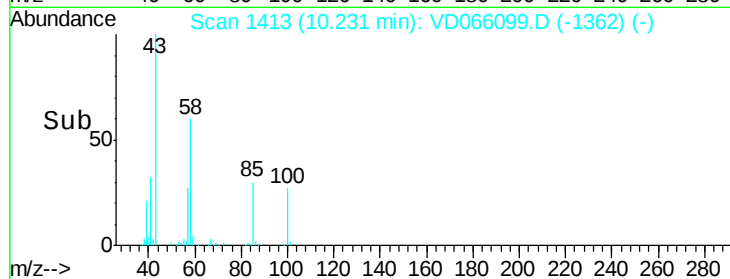
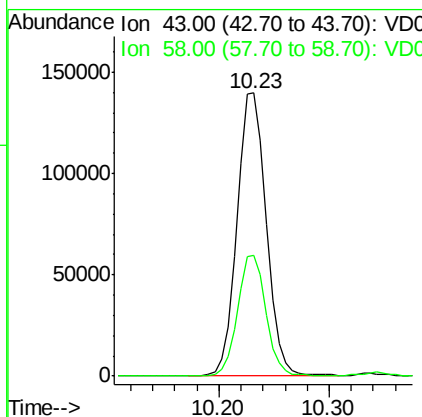
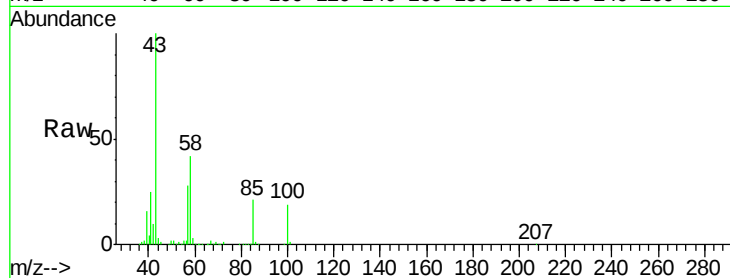




#51
 4-Methyl-2-Pentanone
 Concen: 257.958 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

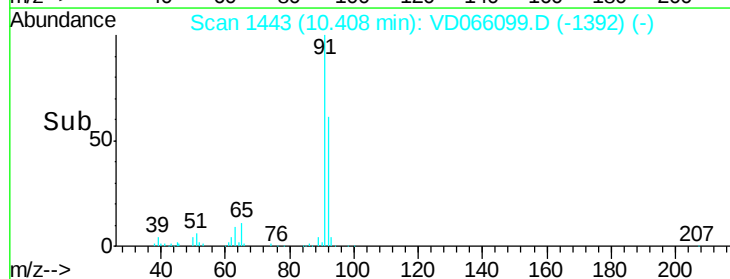
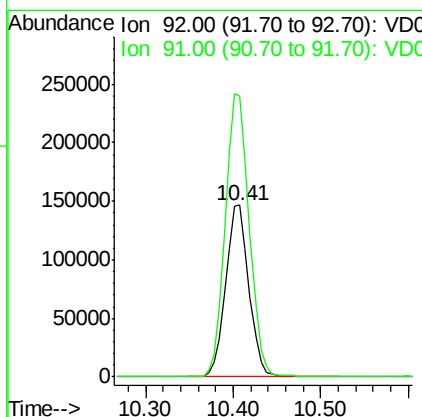
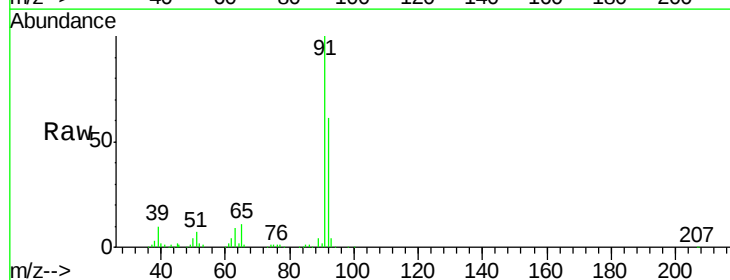
Instrument :
 MSVOA_D
 ClientSampleId :

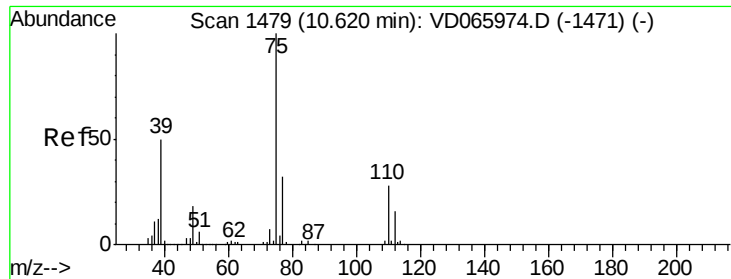
Tot Ion: 43 Resp: 260920
 Ion Ratio Lower Upper
 43 100
 58 41.3 31.3 46.9



#52
 Toluene
 Concen: 54.337 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Tgt Ion: 92 Resp: 266810
 Ion Ratio Lower Upper
 92 100
 91 170.4 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 55.298 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

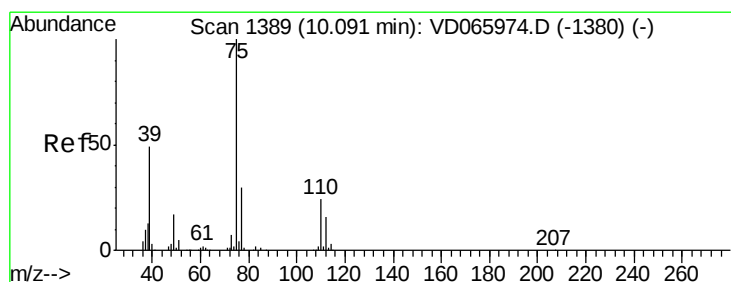
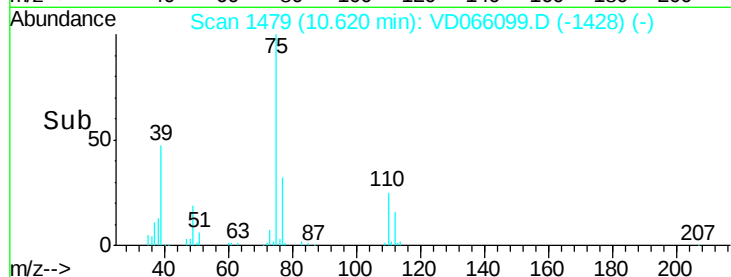
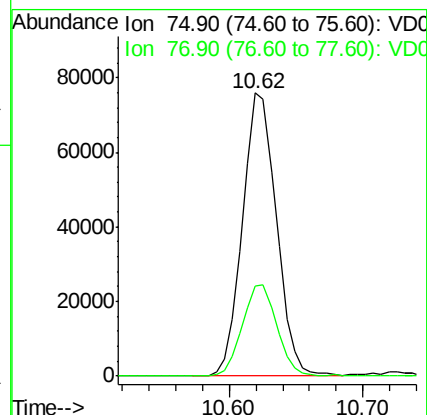
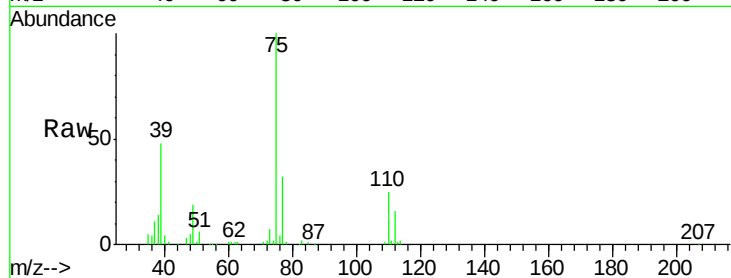
ClientSampleId :

Tot Ion: 75 Resp: 133724

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 53.287 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

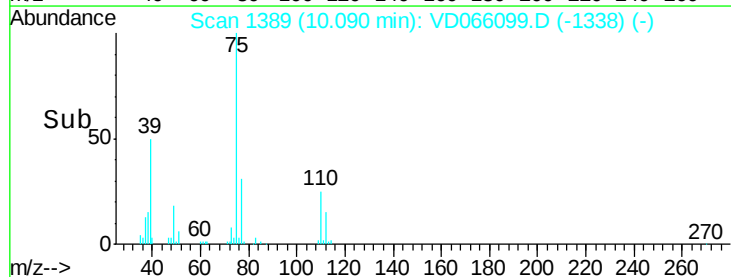
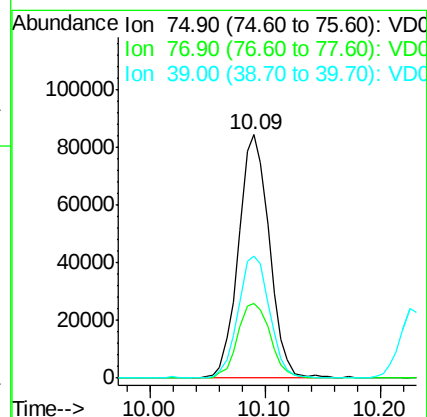
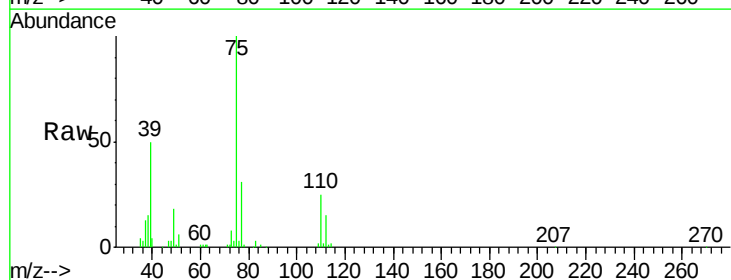
Tgt Ion: 75 Resp: 156202

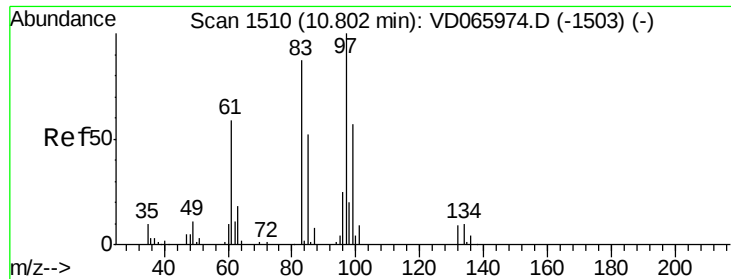
Ion Ratio Lower Upper

75 100

77 30.7 23.8 35.8

39 50.1 38.8 58.2

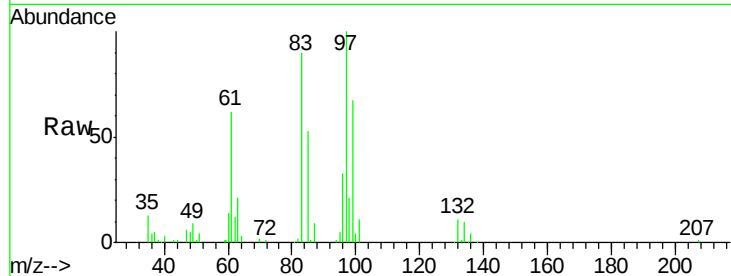




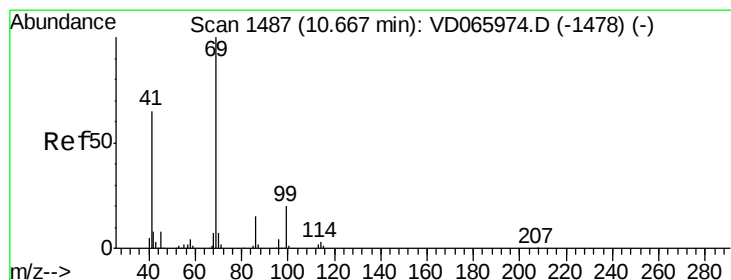
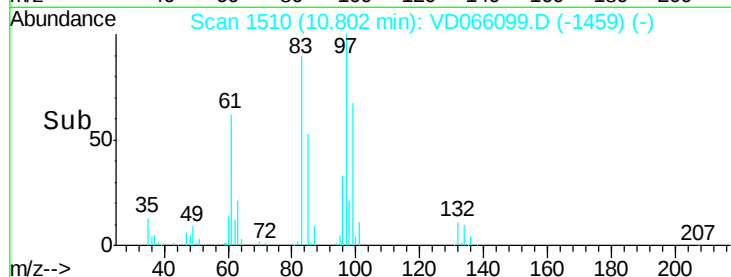
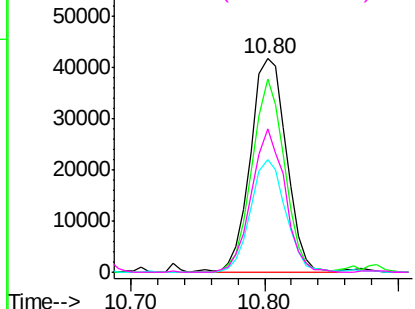
#55
 1,1,2-Trichloroethane
 Concen: 55.863 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	77777
Ion	Ratio	Lower	Upper
97	100		
83	90.4	69.7	104.5
85	53.0	41.6	62.4
99	66.9	45.9	68.9

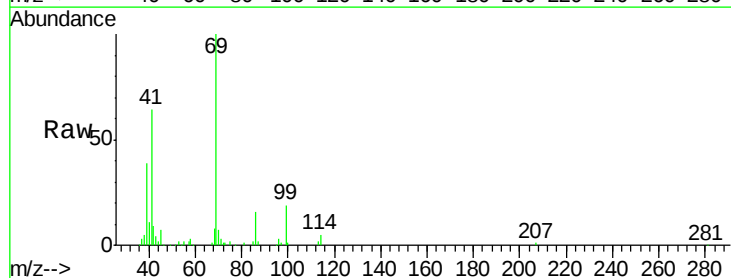


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

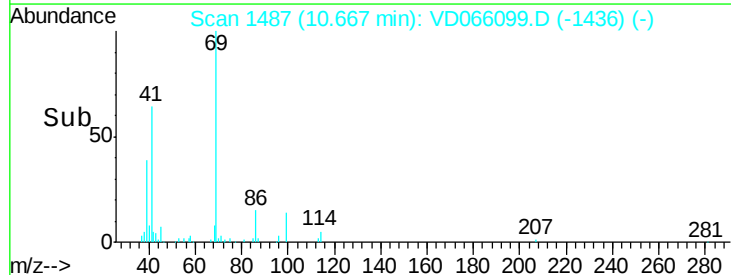
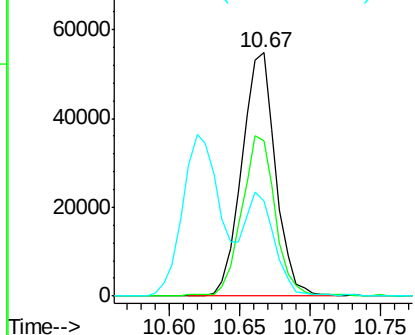


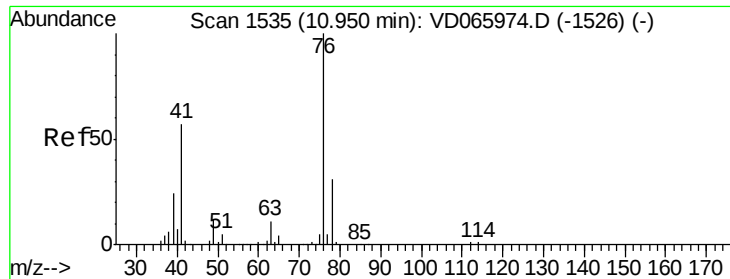
#56
 Ethyl methacrylate
 Concen: 56.542 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Tgt Ion:	69	Resp:	91526
Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.3	78.5
39	40.0	25.2	37.8#



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

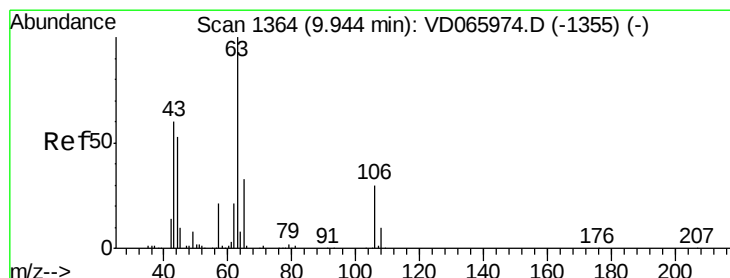
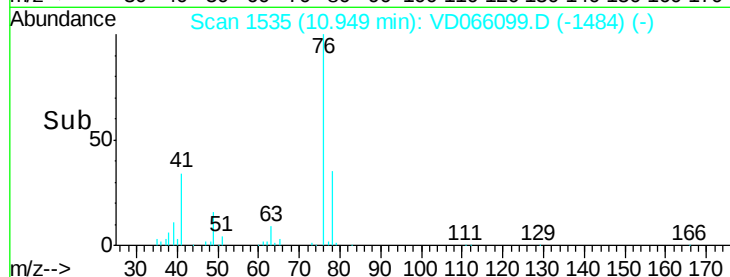
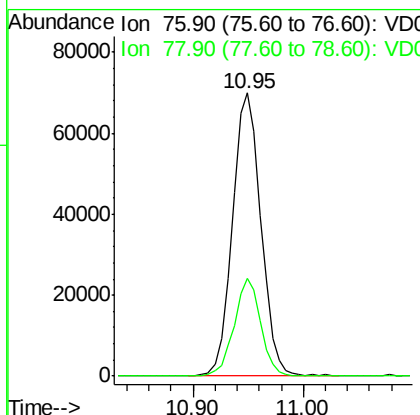
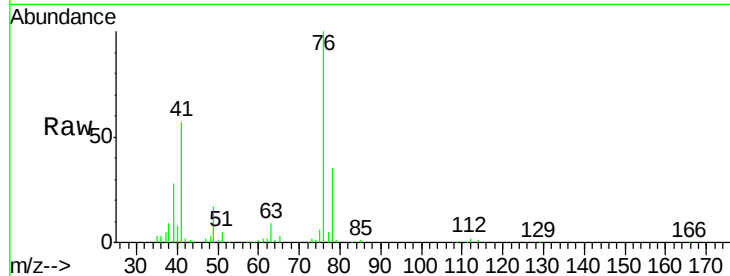




#57
 1,3-Dichloropropane
 Concen: 54.777 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

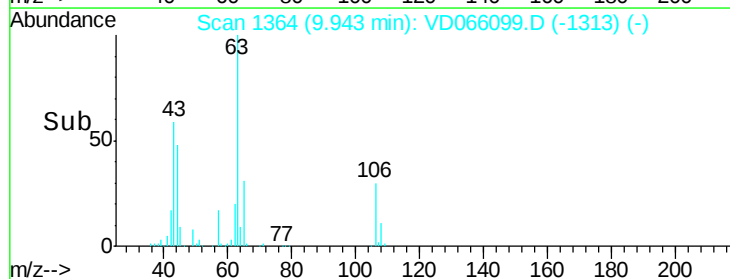
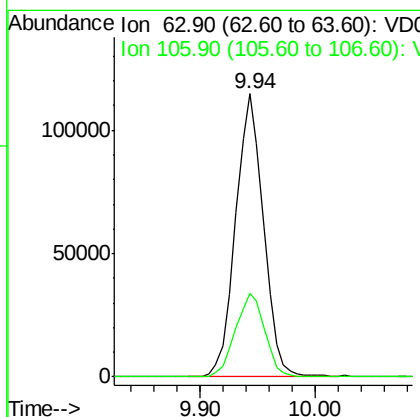
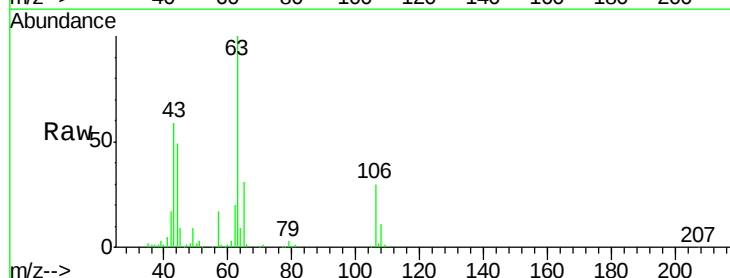
Instrument :
 MSVOA_D
 ClientSampleId :

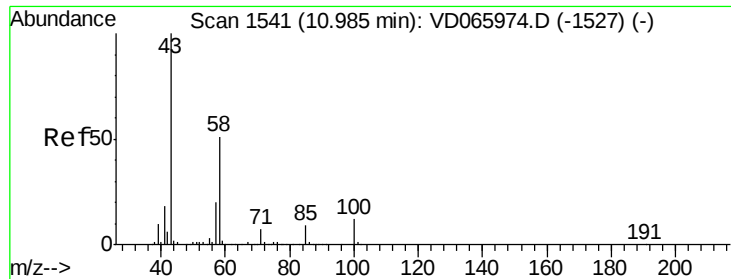
Tot Ion: 76 Resp: 126253
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.495 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Tgt Ion: 63 Resp: 192155
 Ion Ratio Lower Upper
 63 100
 106 31.2 24.4 36.6

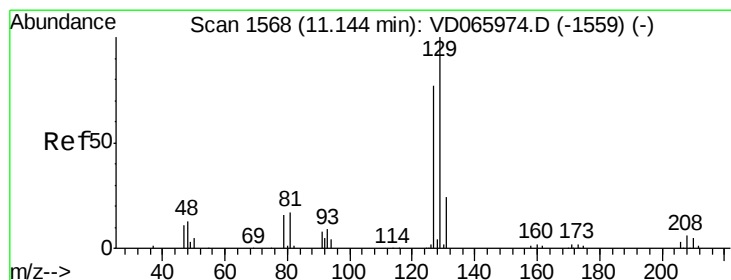
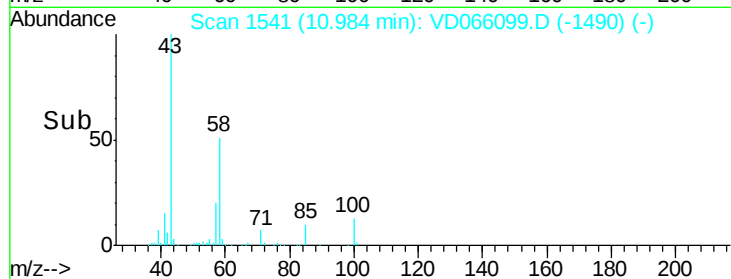
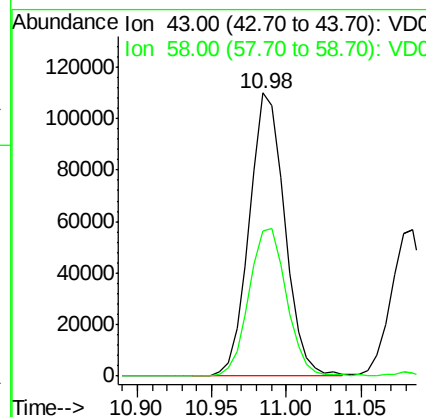
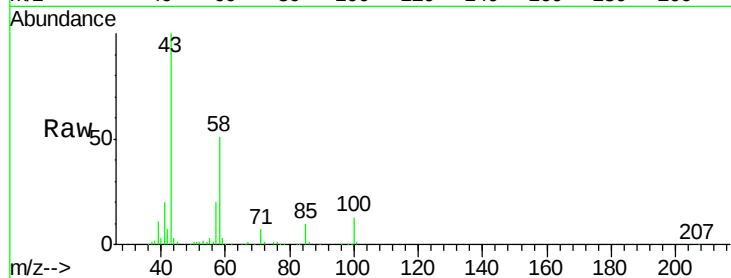




#59
2-Hexanone
Concen: 257.687 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

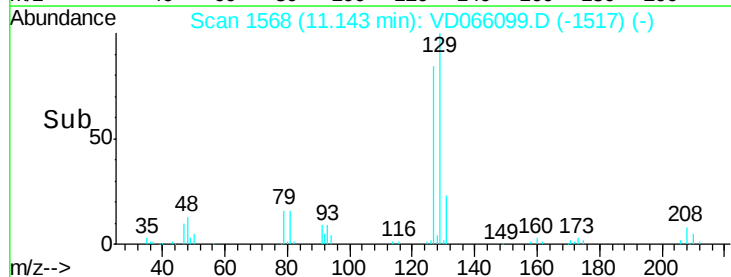
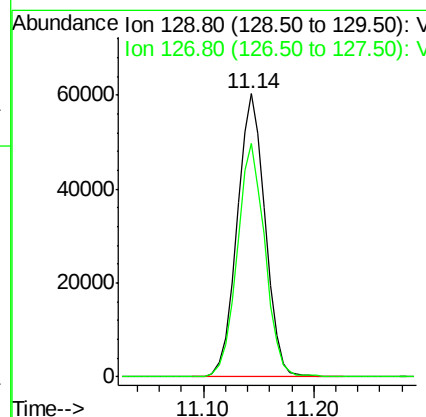
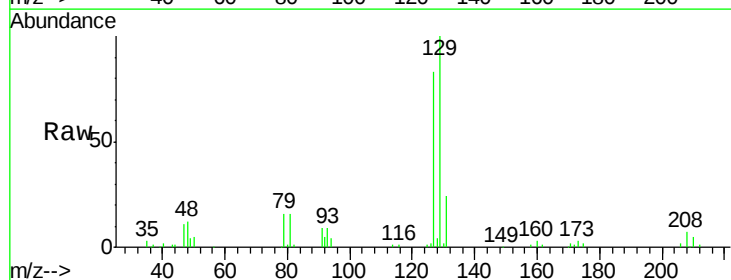
Instrument :
MSVOA_D
ClientSampleId :

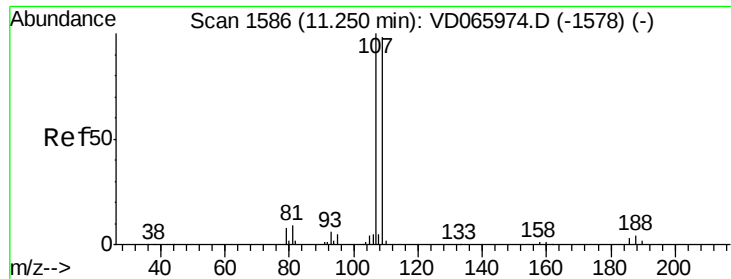
Tot Ion: 43 Resp: 180624
Ion Ratio Lower Upper
43 100
58 55.3 26.2 78.6



#60
Dibromochloromethane
Concen: 57.186 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion: 129 Resp: 107350
Ion Ratio Lower Upper
129 100
127 81.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 56.665 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

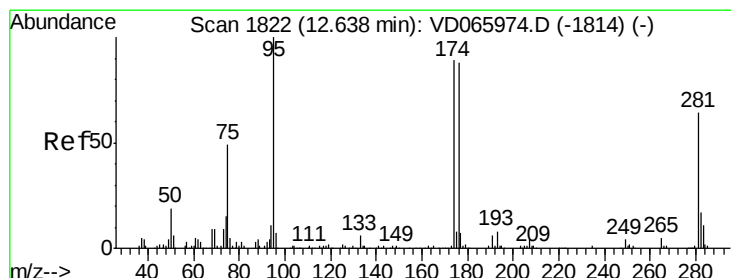
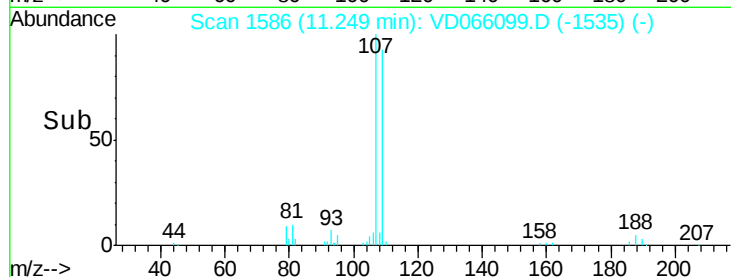
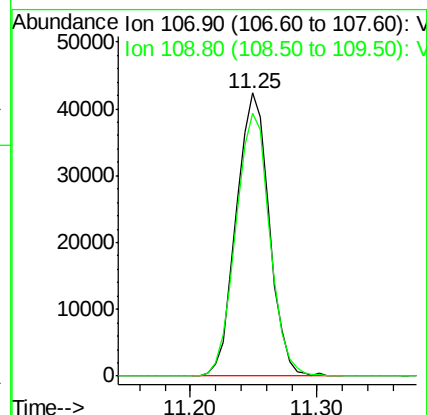
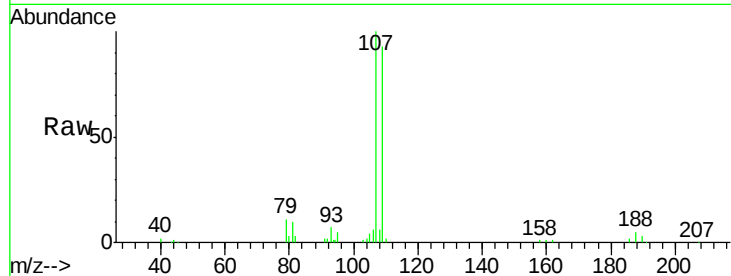
ClientSampleId :

Tot Ion:107 Resp: 76068

Ion Ratio Lower Upper

107 100

109 95.7 75.0 112.4



#62

4-Bromofluorobenzene

Concen: 56.067 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

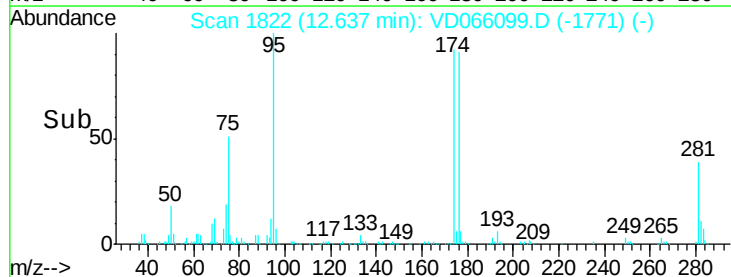
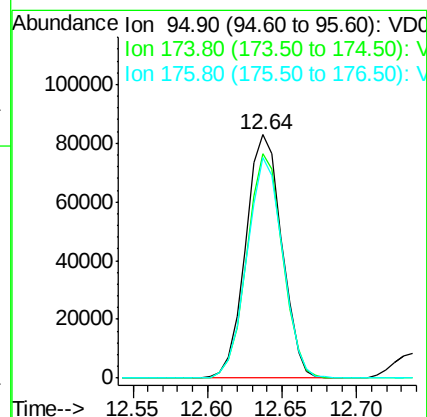
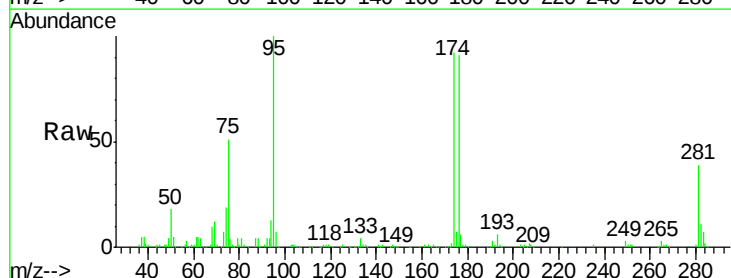
Tgt Ion: 95 Resp: 138518

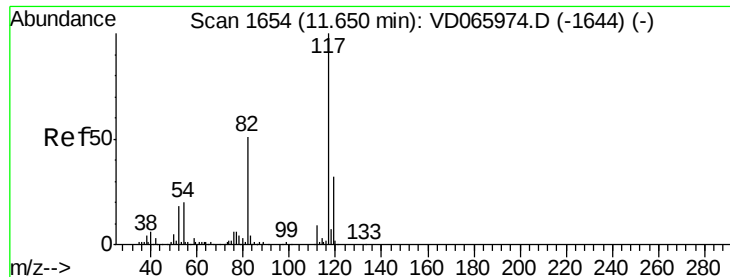
Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.8

176 89.7 0.0 172.6

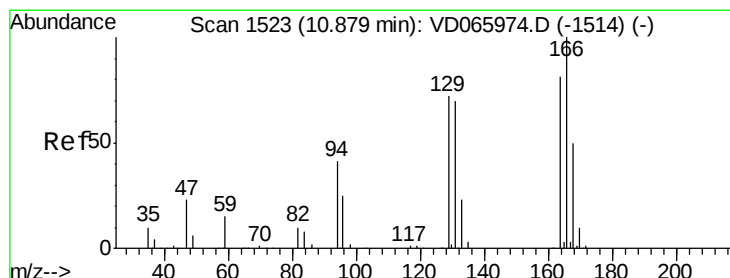
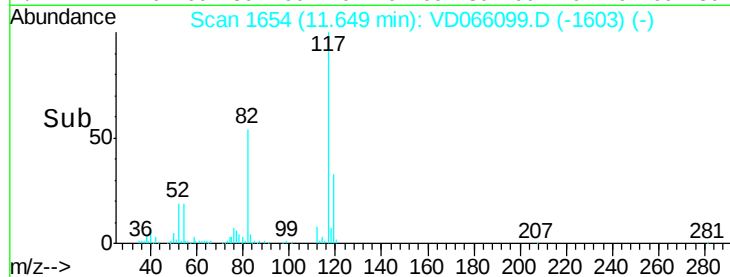
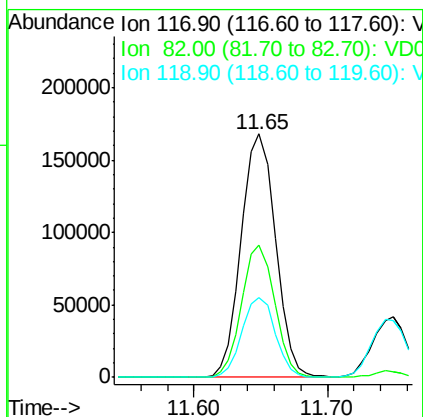
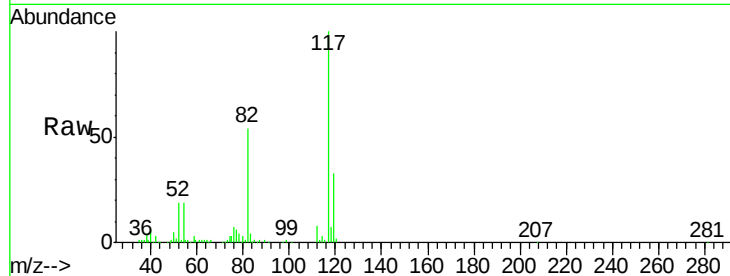




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

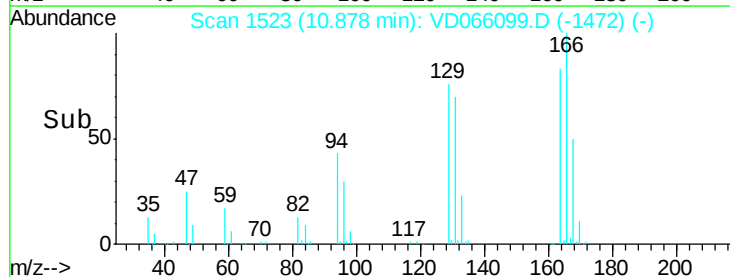
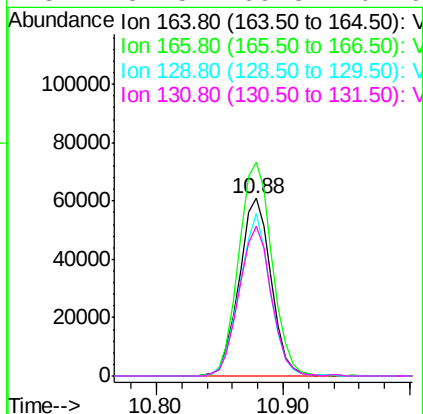
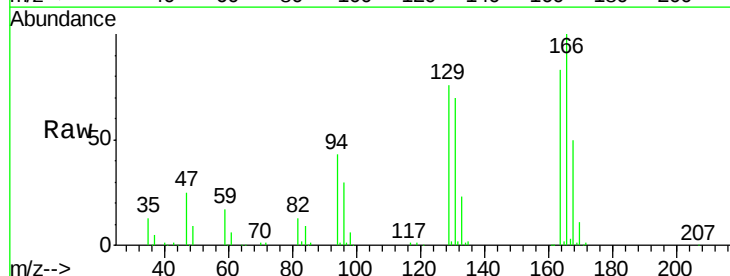
Instrument :
MSVOA_D
ClientSampleId :

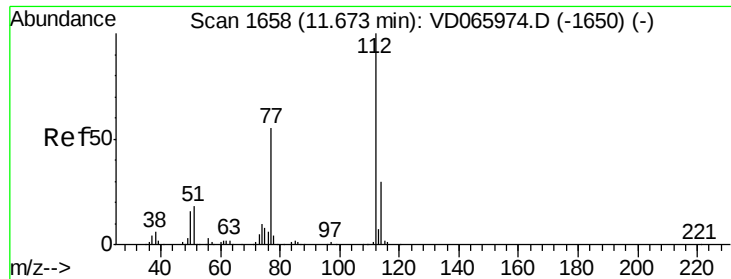
Tot Ion:117 Resp: 300307
Ion Ratio Lower Upper
117 100
82 54.4 41.1 61.7
119 32.9 25.9 38.9



#64
Tetrachloroethene
Concen: 52.125 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion:164 Resp: 106247
Ion Ratio Lower Upper
164 100
166 120.1 99.1 148.7
129 91.3 71.5 107.3
131 84.5 69.8 104.6

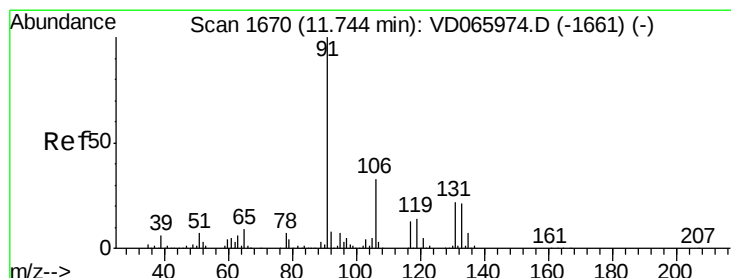
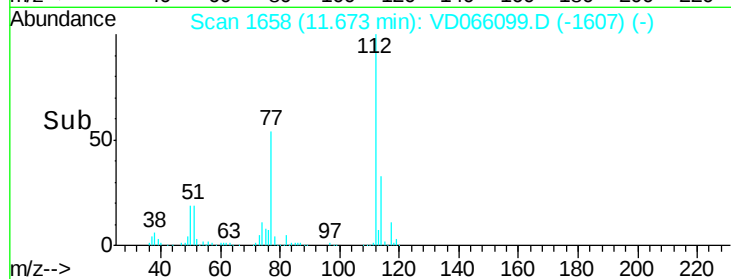
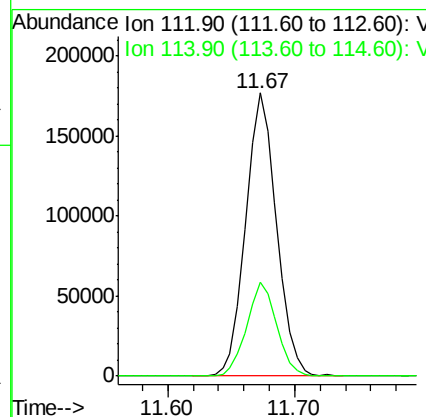
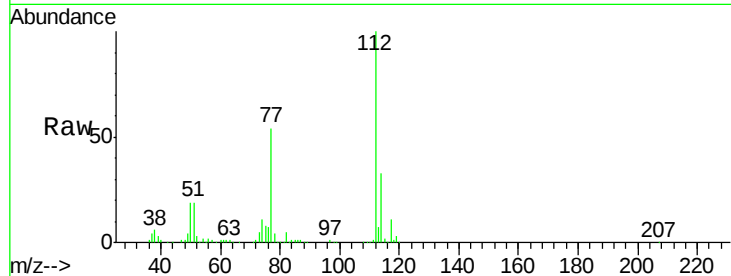




#65
Chlorobenzene
Concen: 54.160 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

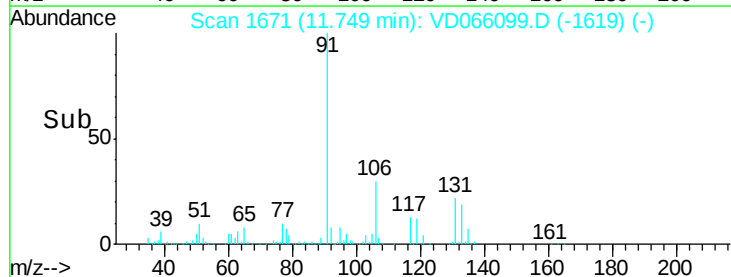
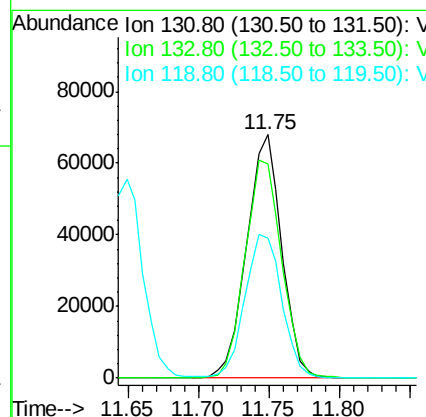
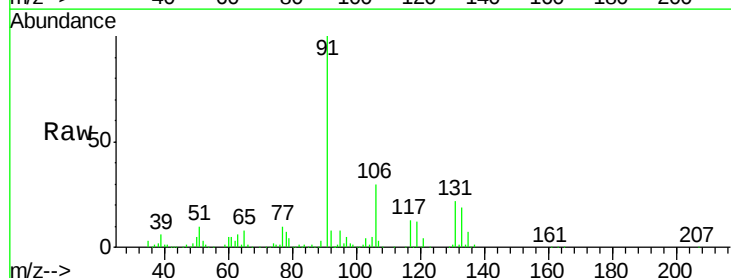
Instrument :
MSVOA_D
ClientSampleId :

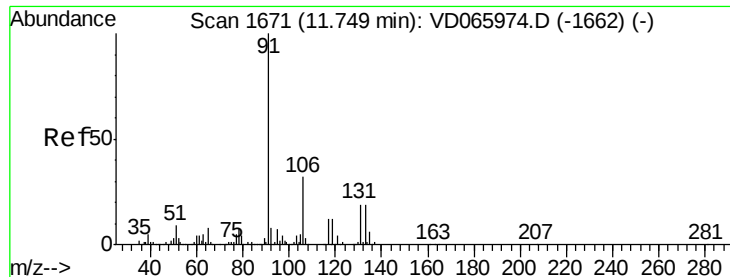
Tot Ion:112 Resp: 297795
Ion Ratio Lower Upper
112 100
114 33.0 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 58.328 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion:131 Resp: 118421
Ion Ratio Lower Upper
131 100
133 93.7 47.3 142.0
119 62.4 31.7 95.1





#67

Ethyl Benzene

Concen: 54.250 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

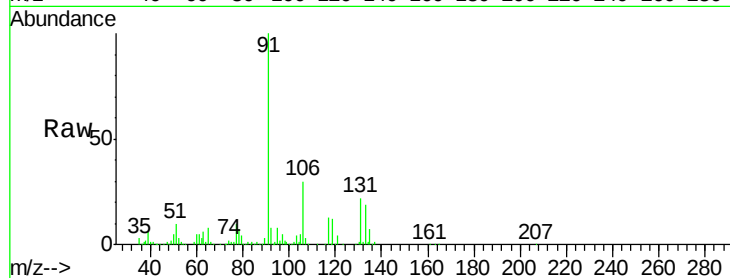
ClientSampleId :

Tot Ion: 91 Resp: 513339

Ion Ratio Lower Upper

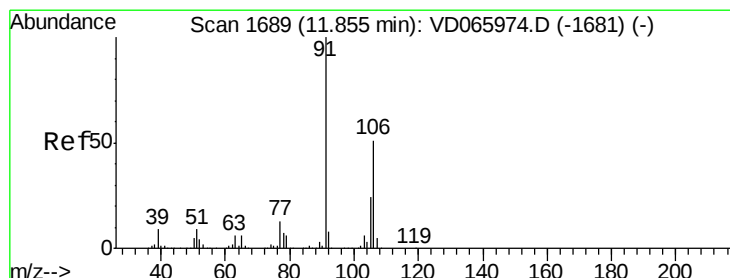
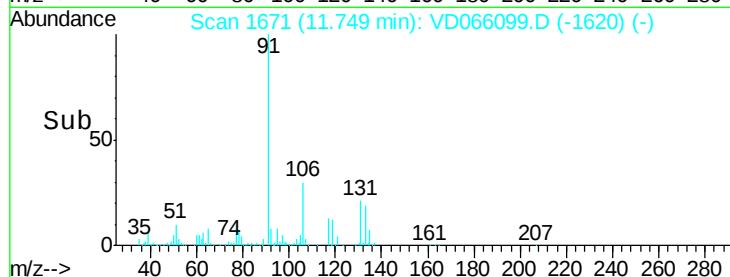
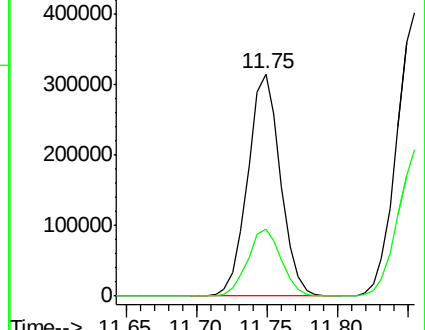
91 100

106 30.3 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 109.391 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066099.D

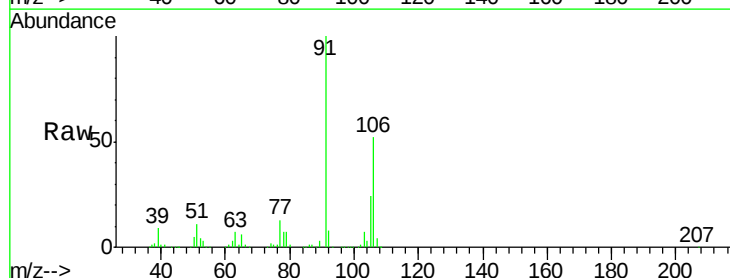
Acq: 29 Jul 2020 19:44

Tgt Ion: 106 Resp: 397852

Ion Ratio Lower Upper

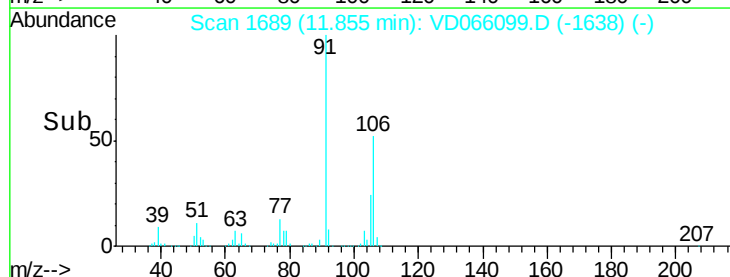
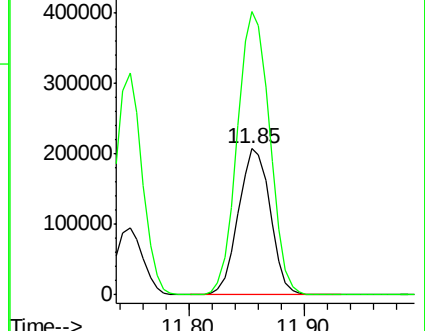
106 100

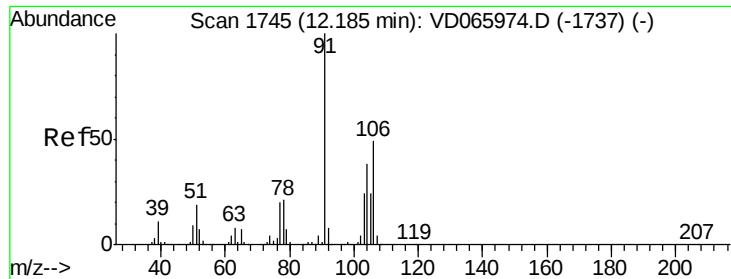
91 197.0 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

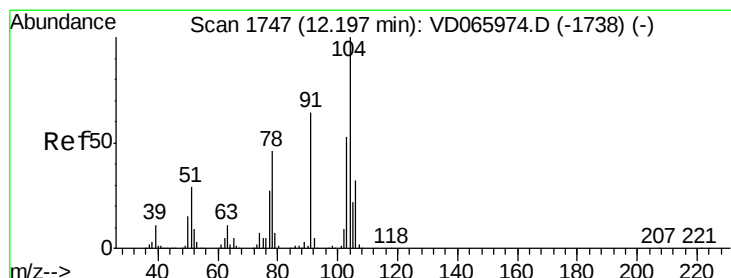
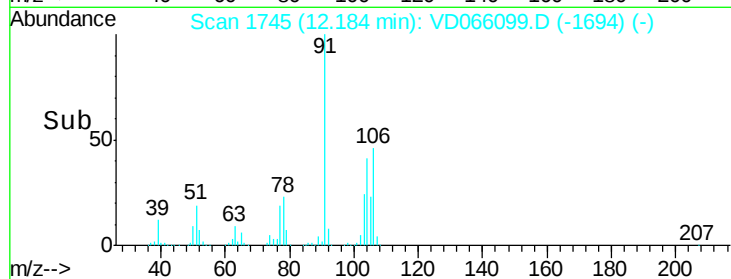
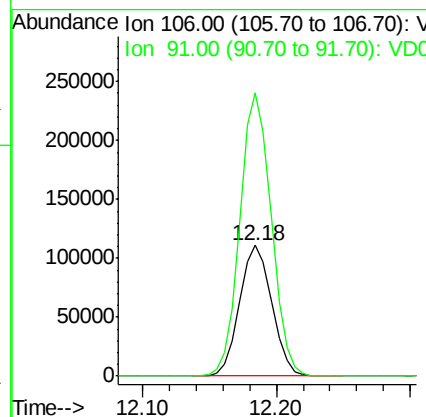
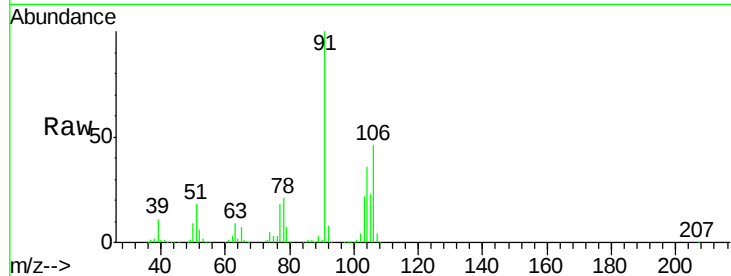




#69
o-Xylene
Concen: 56.098 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

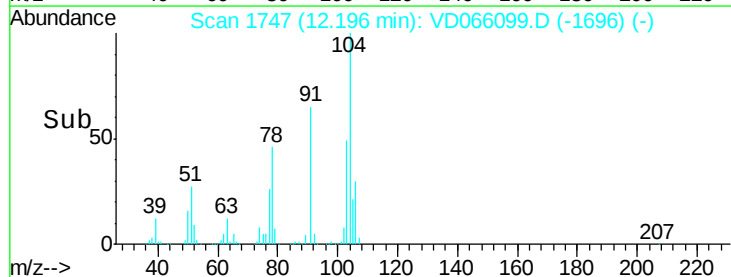
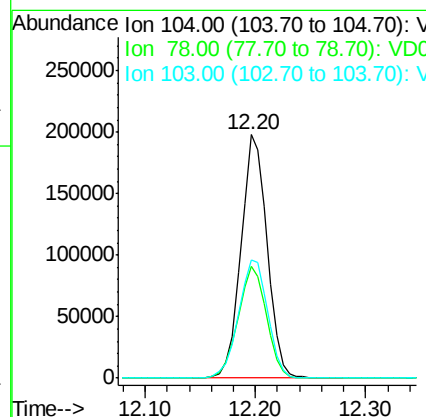
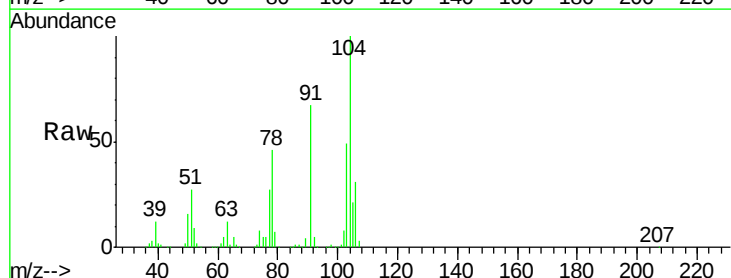
Instrument :
MSVOA_D
ClientSampleId :

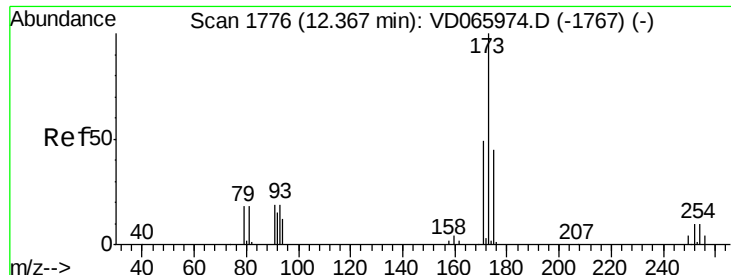
Tot Ion:106 Resp: 185569
Ion Ratio Lower Upper
106 100
91 210.3 103.1 309.3



#70
Styrene
Concen: 57.825 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion:104 Resp: 328655
Ion Ratio Lower Upper
104 100
78 49.8 38.3 57.5
103 54.2 43.8 65.8

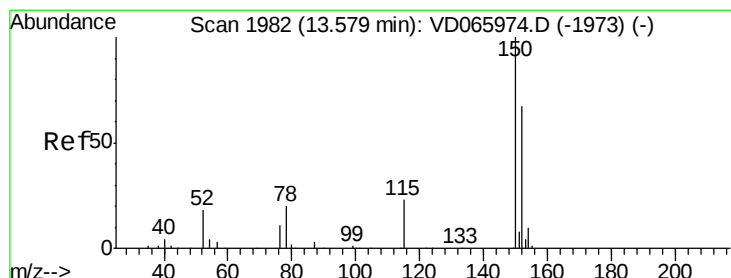
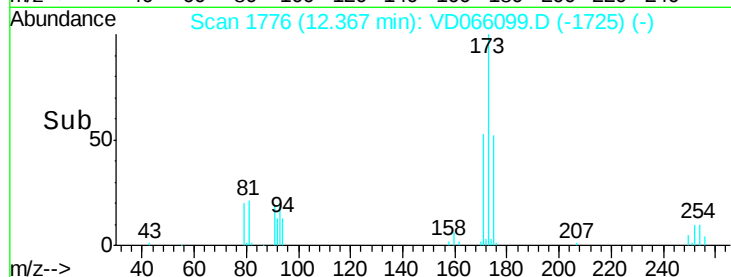
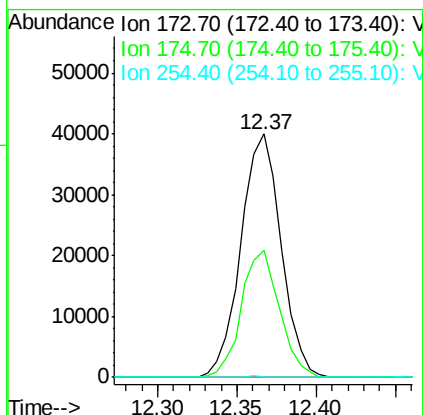
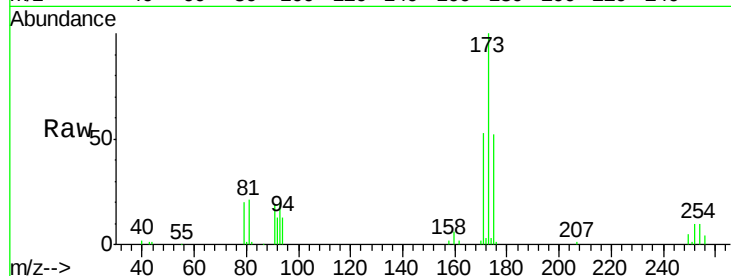




#71
Bromoform
Concen: 59.201 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

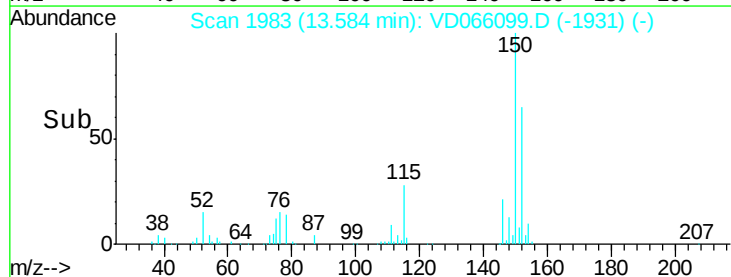
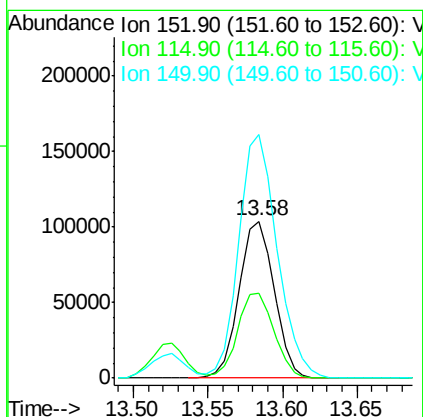
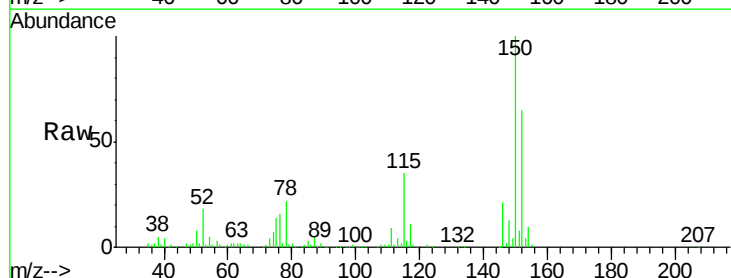
Instrument :
MSVOA_D
ClientSampled :

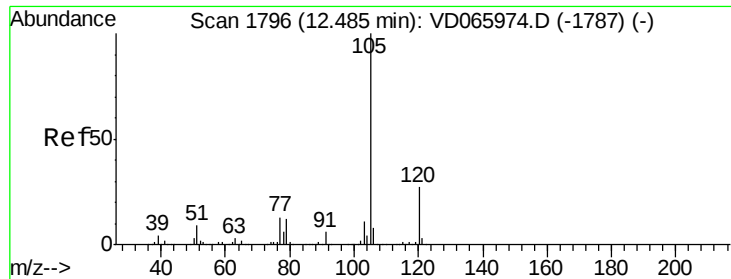
Tot Ion:173 Resp: 70404
Ion Ratio Lower Upper
173 100
175 49.5 24.1 72.3
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion:152 Resp: 170079
Ion Ratio Lower Upper
152 100
115 55.9 27.9 83.7
150 169.3 0.0 348.2





#73

Isopropylbenzene

Concen: 49.291 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

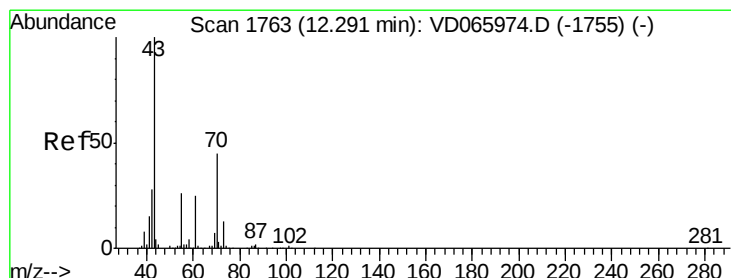
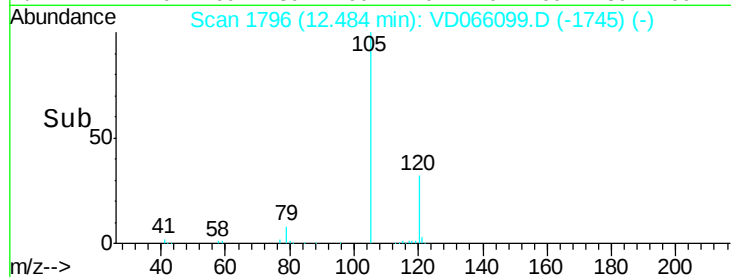
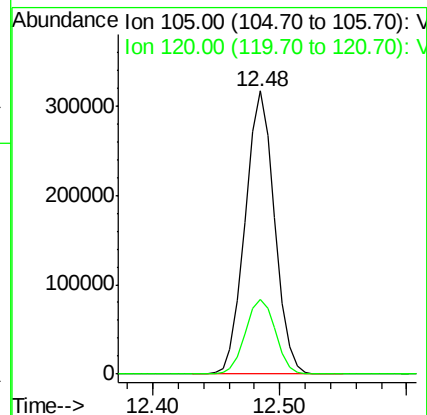
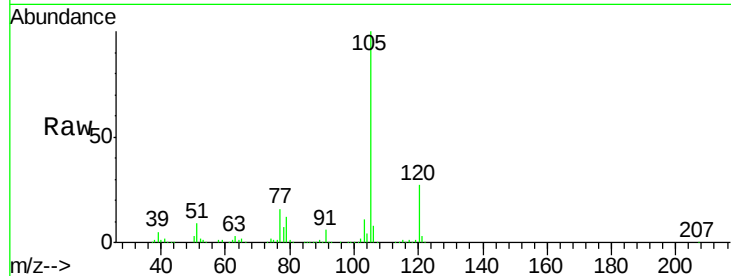
ClientSampleId :

Tot Ion:105 Resp: 507280

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.8



#74

N-ethyl acetate

Concen: 48.059 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Tgt Ion: 43 Resp: 102550

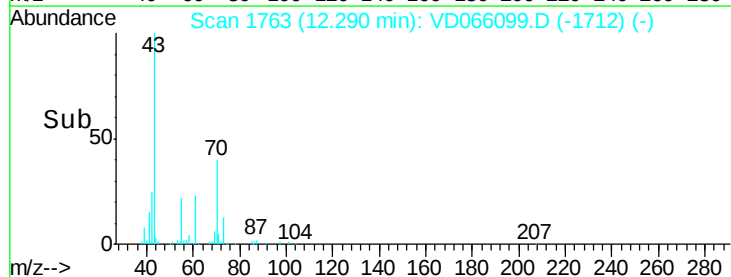
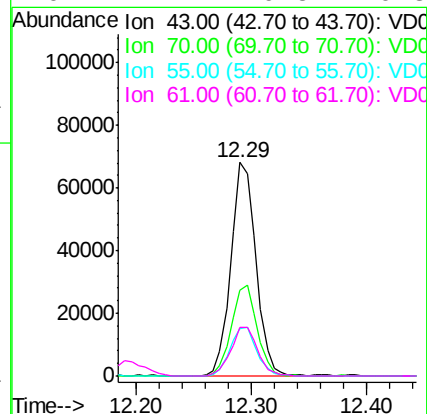
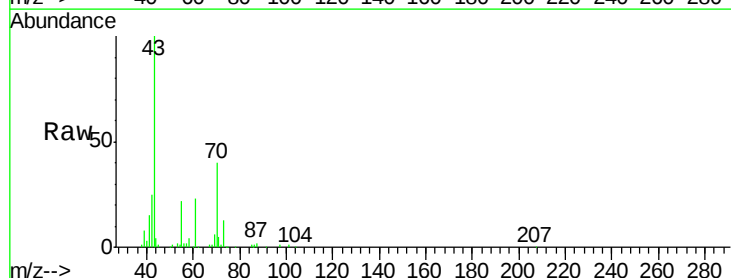
Ion Ratio Lower Upper

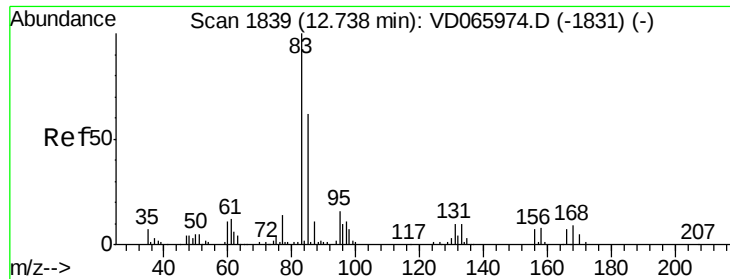
43 100

70 43.5 34.6 51.8

55 24.1 20.3 30.5

61 24.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 46.651 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

ClientSampled :

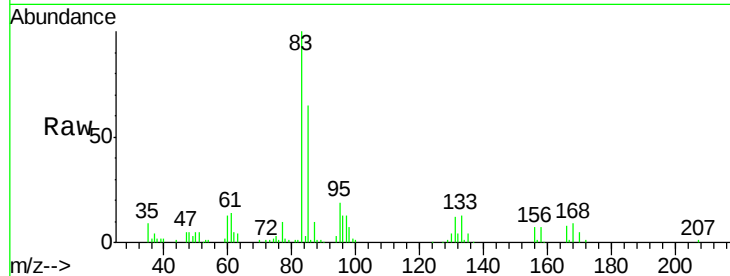
Tot Ion: 83 Resp: 79345

Ion Ratio Lower Upper

83 100

131 13.2 5.7 17.1

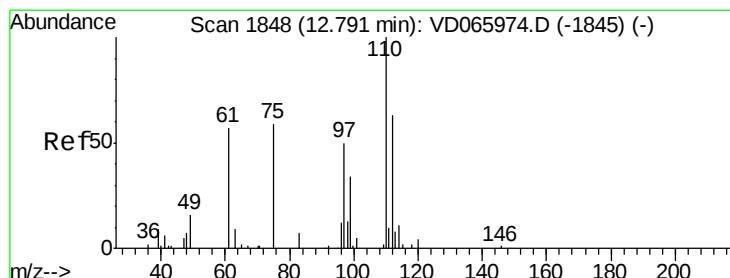
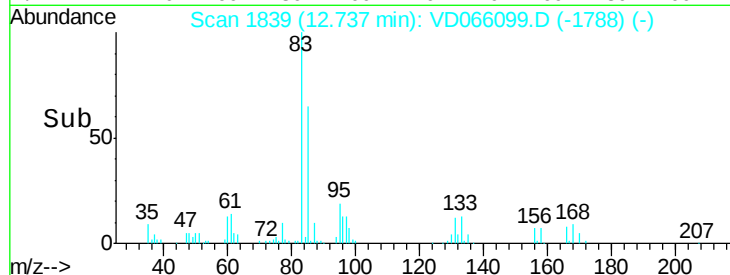
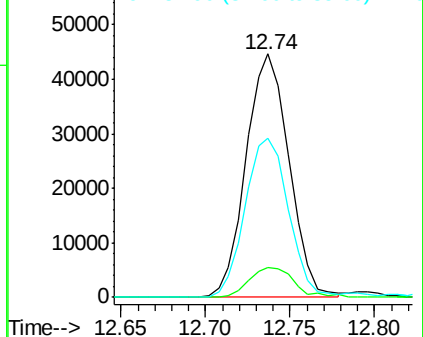
85 65.6 31.9 95.5



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: 83.758 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD066099.D

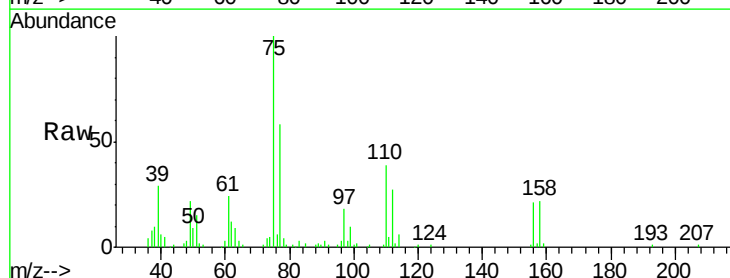
Acq: 29 Jul 2020 19:44

Tgt Ion: 75 Resp: 107261

Ion Ratio Lower Upper

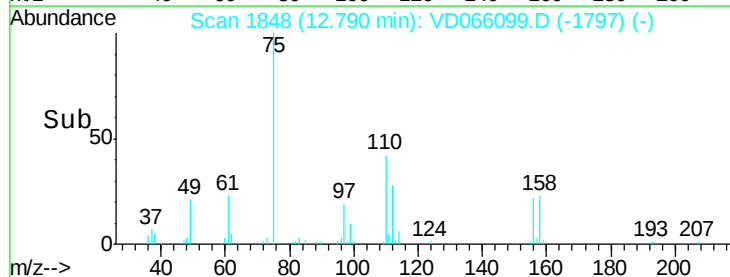
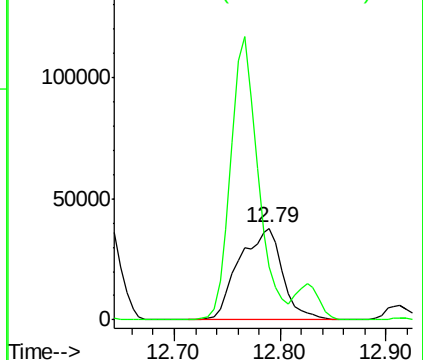
75 100

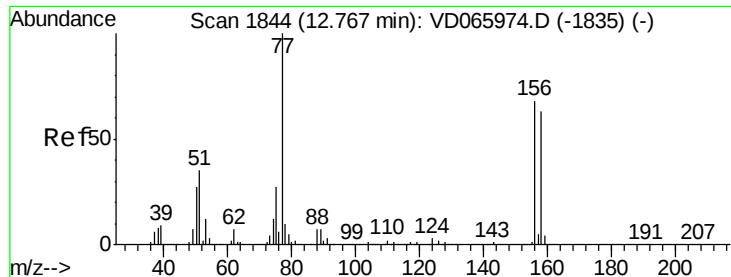
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.628 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

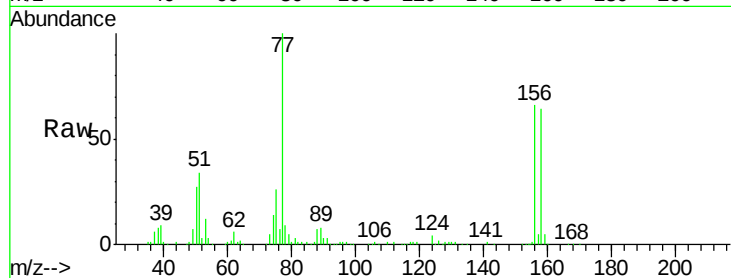
Tot Ion:156 Resp: 133157

Ion Ratio Lower Upper

156 100

77 158.4 83.0 249.0

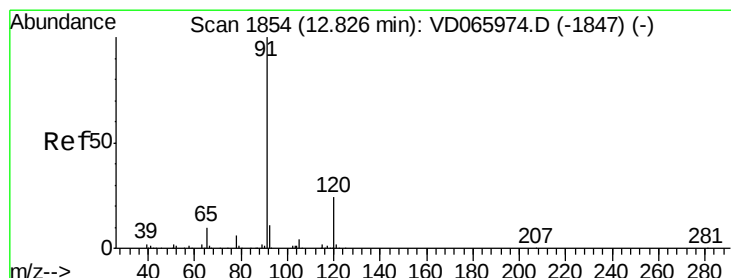
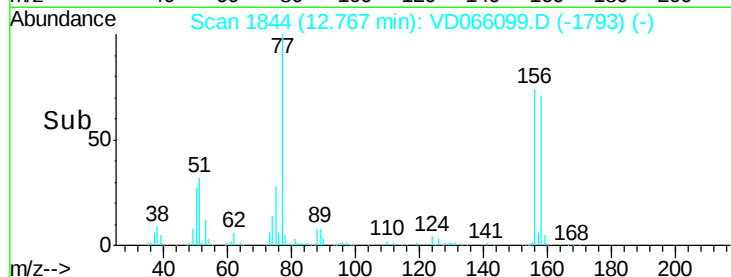
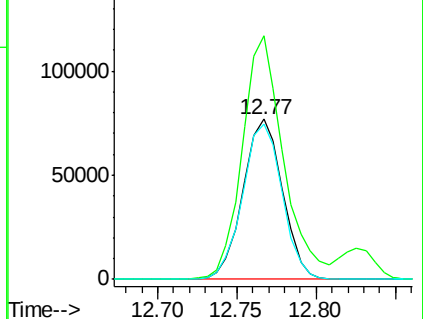
158 97.4 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.786 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD066099.D

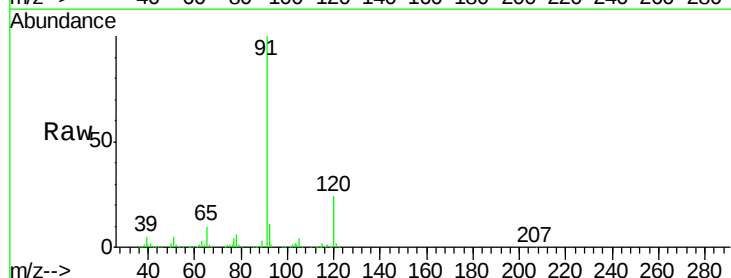
Acq: 29 Jul 2020 19:44

Tgt Ion: 91 Resp: 594554

Ion Ratio Lower Upper

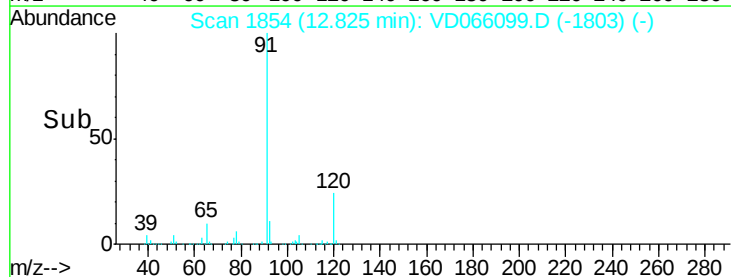
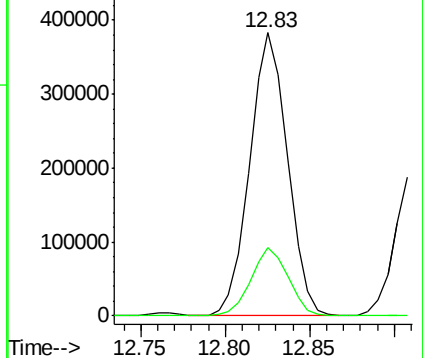
91 100

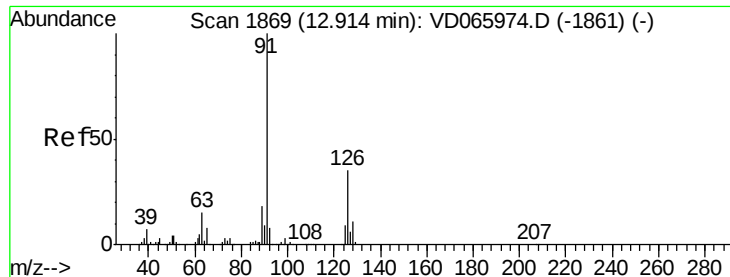
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.129 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

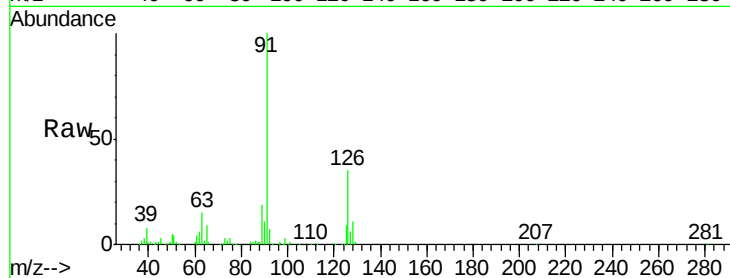
ClientSampleId :

Tot Ion: 91 Resp: 342015

Ion Ratio Lower Upper

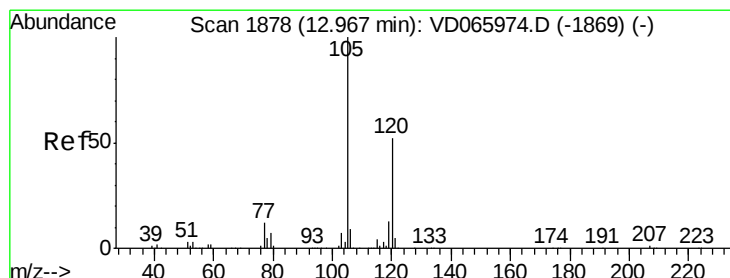
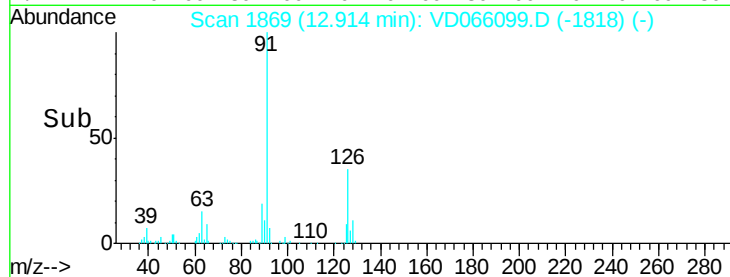
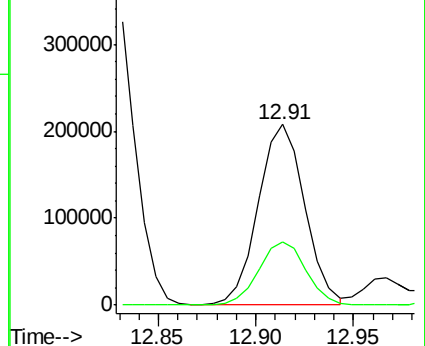
91 100

126 35.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VD066099.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD066099.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.158 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD066099.D

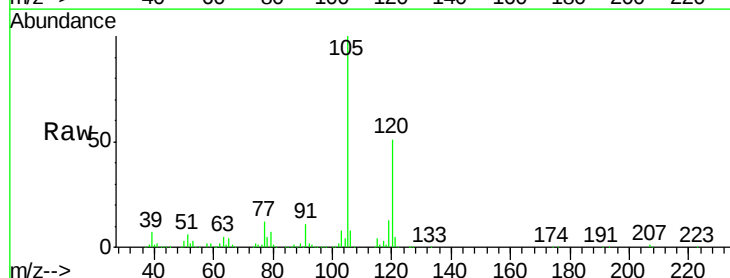
Acq: 29 Jul 2020 19:44

Tgt Ion:105 Resp: 441008

Ion Ratio Lower Upper

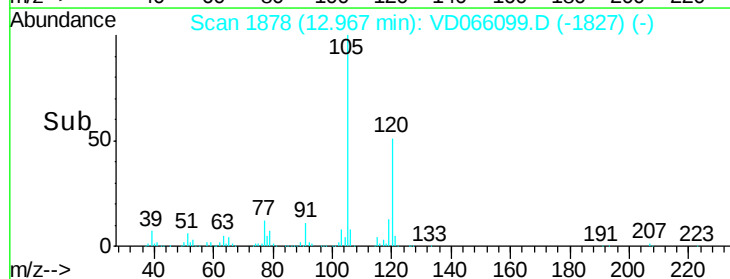
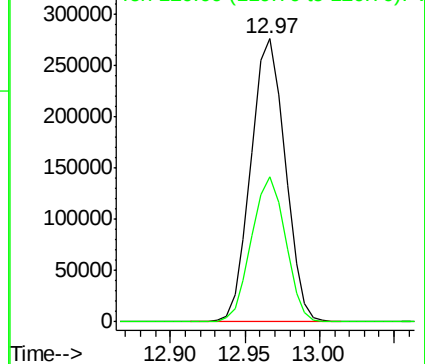
105 100

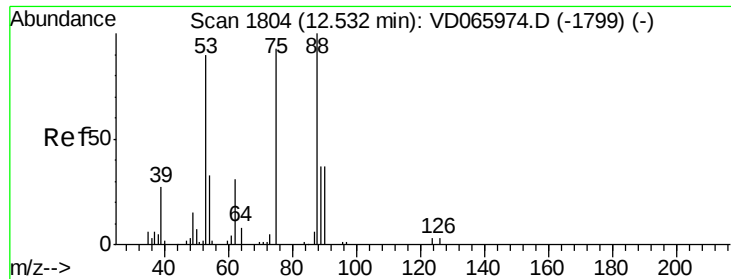
120 50.9 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD066099.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD066099.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.943 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

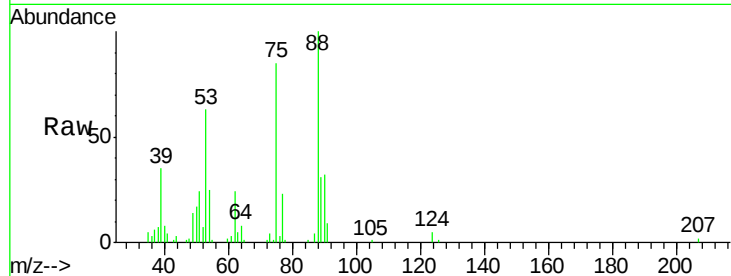
Tot Ion: 75 Resp: 25640

Ion Ratio Lower Upper

75 100

53 94.0 76.8 115.2

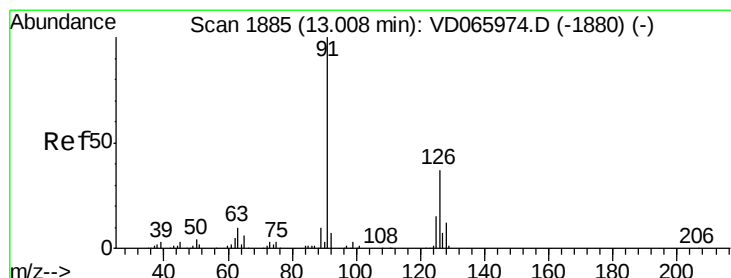
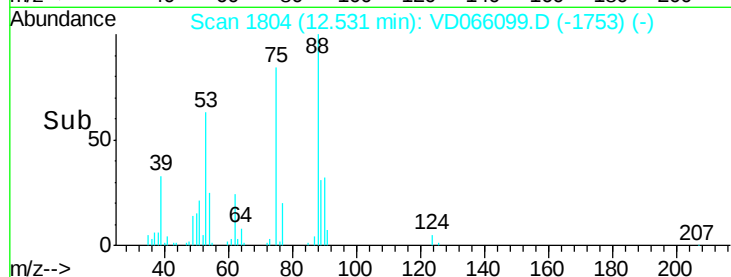
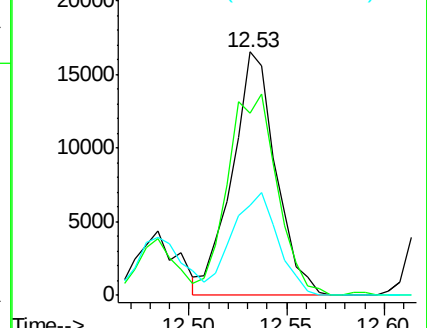
89 44.5 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 50.962 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD066099.D

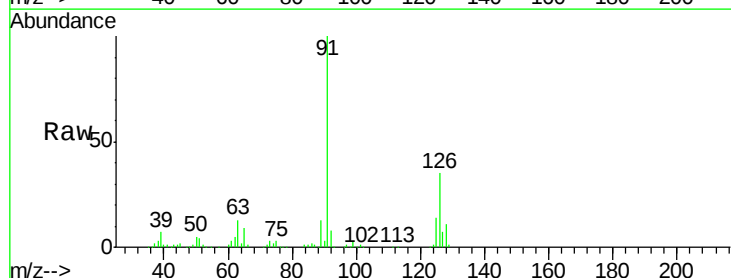
Acq: 29 Jul 2020 19:44

Tgt Ion: 91 Resp: 367000

Ion Ratio Lower Upper

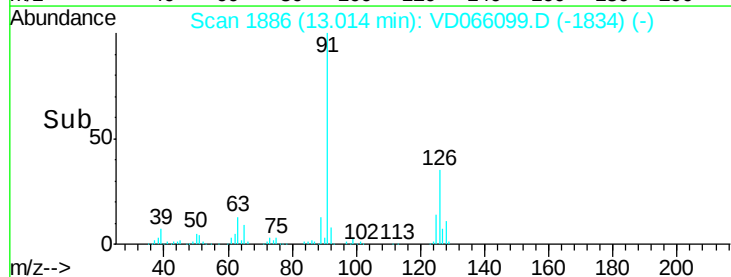
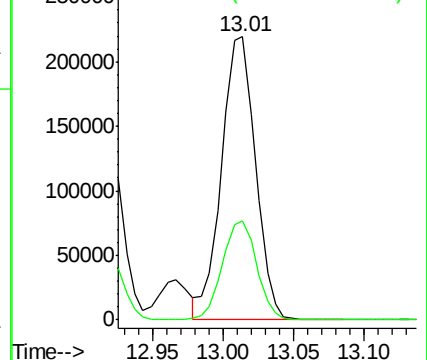
91 100

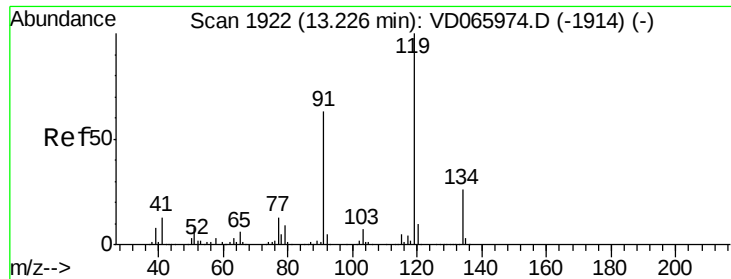
126 35.4 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

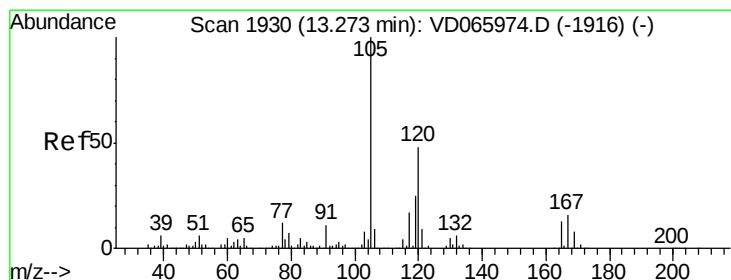
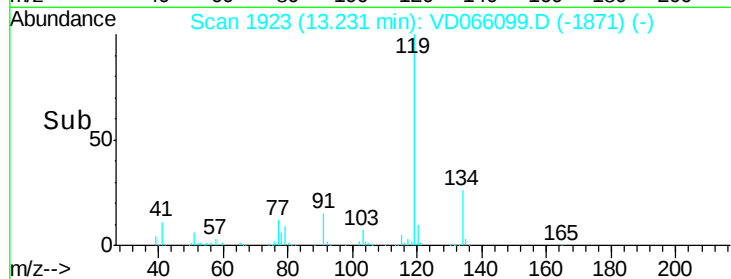
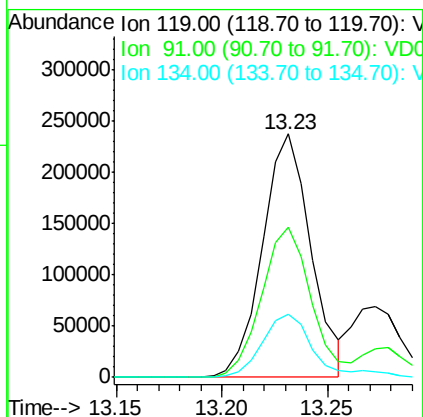
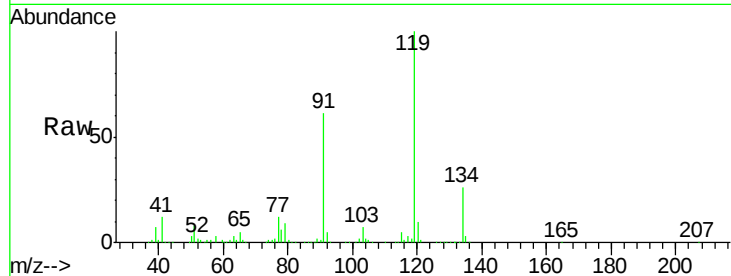




#83
tert-Butylbenzene
Concen: 51.216 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

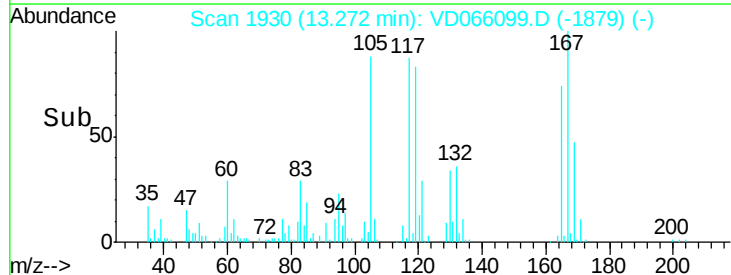
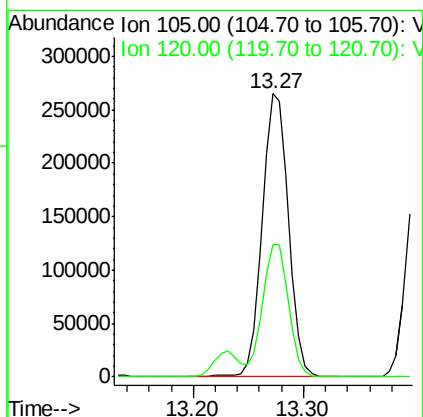
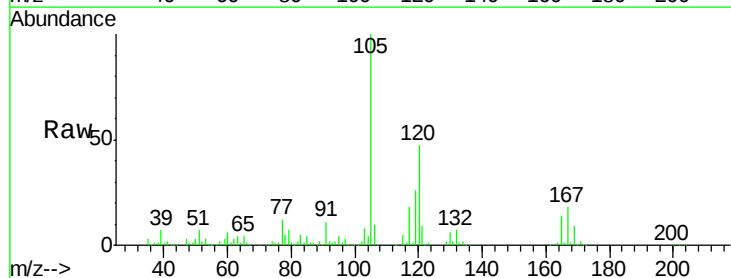
Instrument :
MSVOA_D
ClientSampleId :

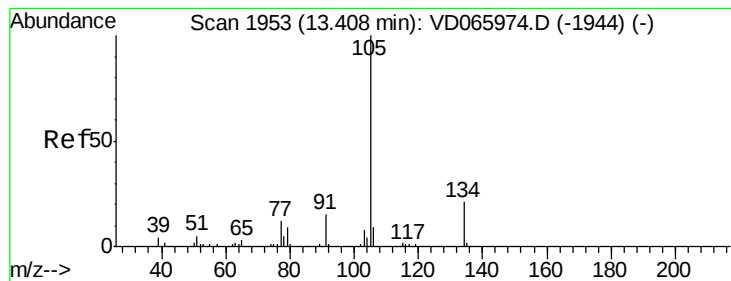
Tot Ion:119 Resp: 378939
Ion Ratio Lower Upper
119 100
91 63.4 30.6 91.6
134 27.7 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 52.921 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion:105 Resp: 441457
Ion Ratio Lower Upper
105 100
120 46.0 23.9 71.8





#85

sec-Butylbenzene

Concen: 49.187 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

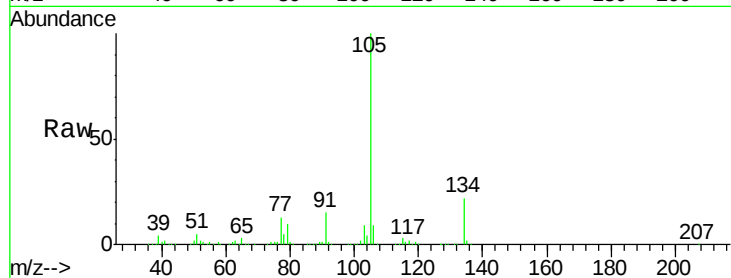
ClientSampleId :

Tot Ion:105 Resp: 501271

Ion Ratio Lower Upper

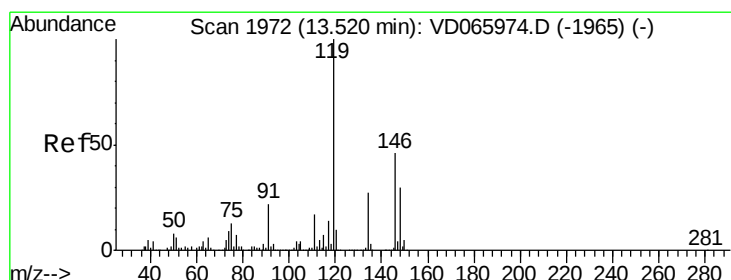
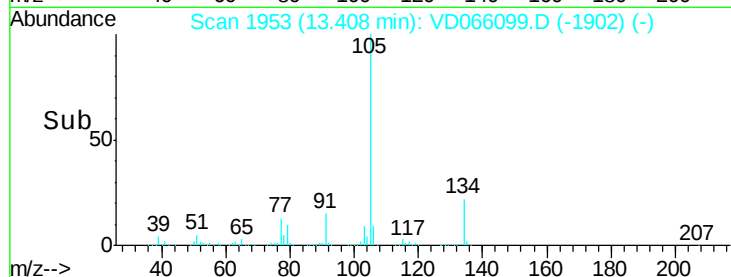
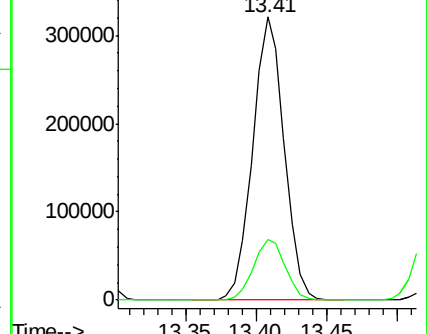
105 100

134 21.7 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.638 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

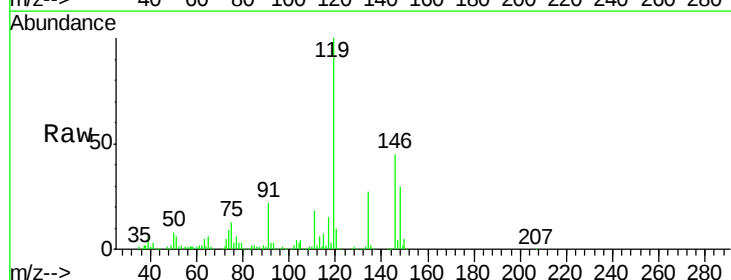
Tgt Ion:119 Resp: 487358

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

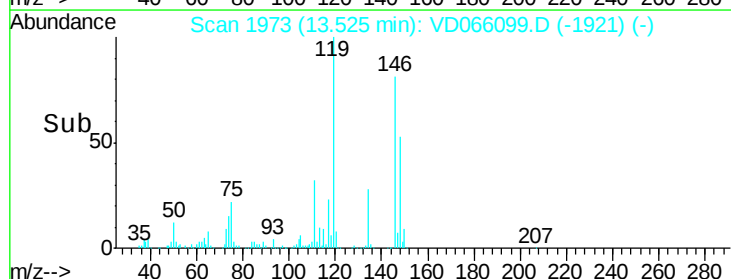
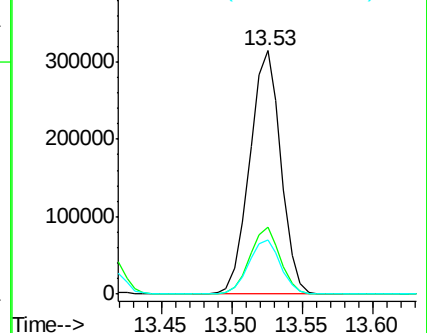
91 22.7 11.1 33.3

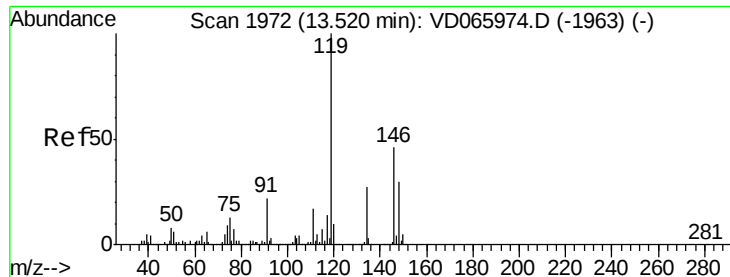


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

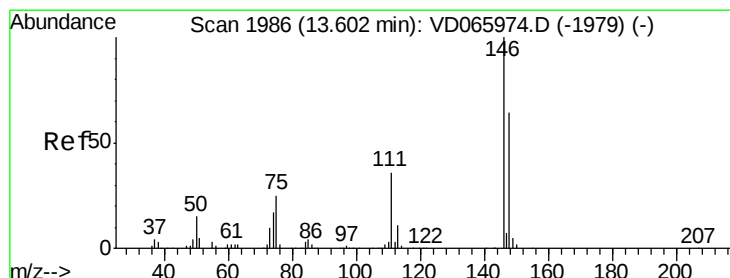
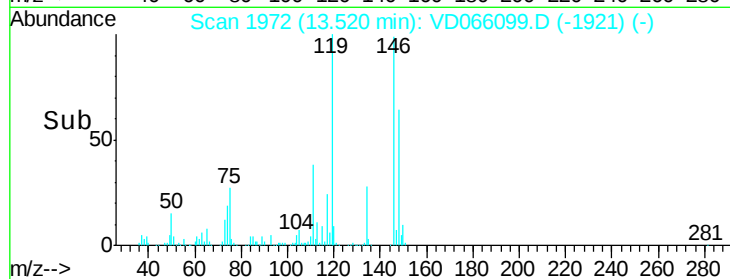
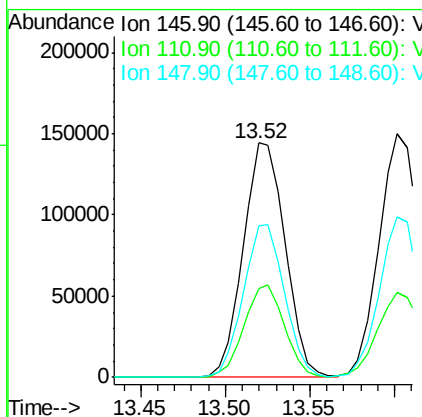
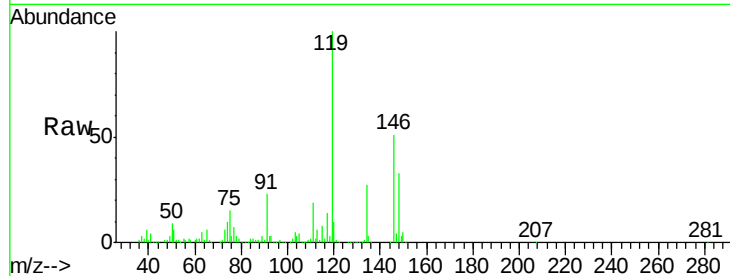




#87
 1,3-Dichlorobenzene
 Concen: 51.016 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

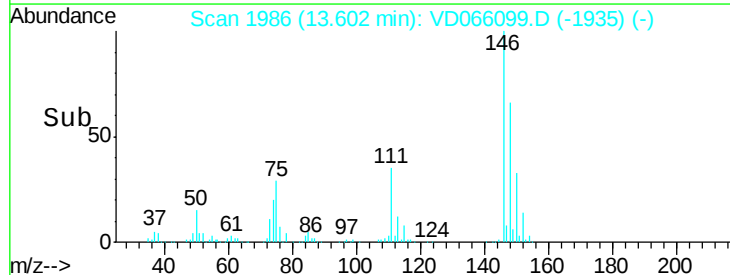
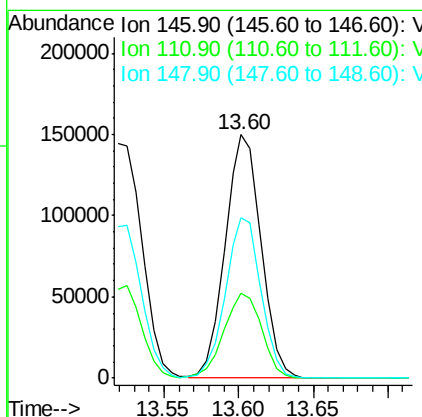
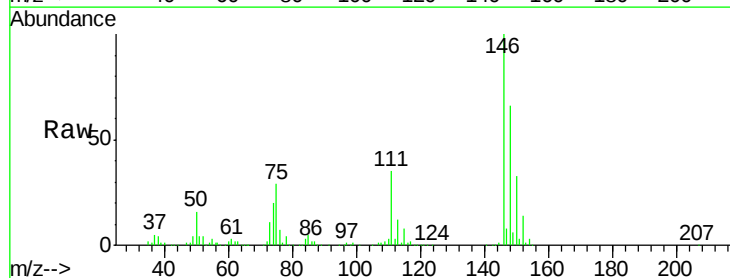
Instrument :
 MSVOA_D
 ClientSampleId :

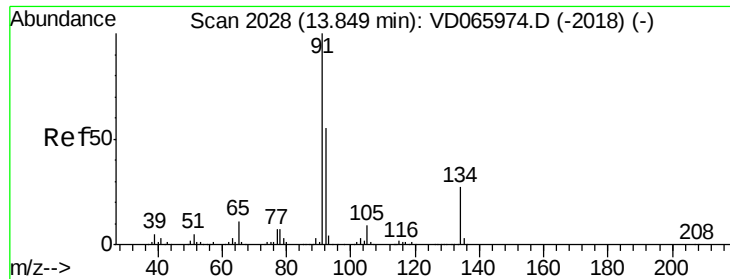
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.6
148	63.8	32.4	97.0



#88
 1,4-Dichlorobenzene
 Concen: 50.959 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD066099.D
 Acq: 29 Jul 2020 19:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.8	56.4
148	65.2	32.2	96.6

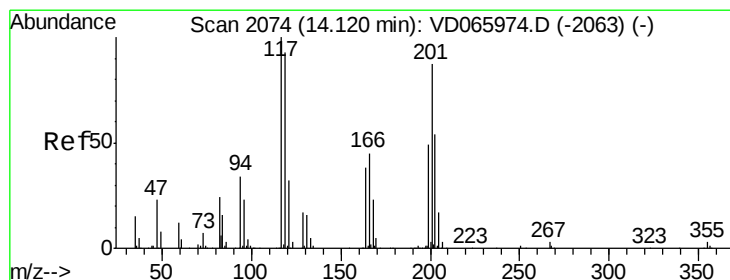
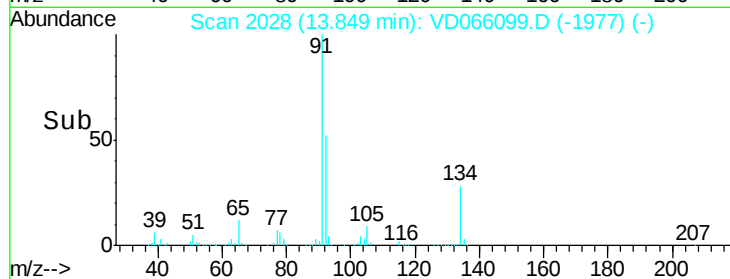
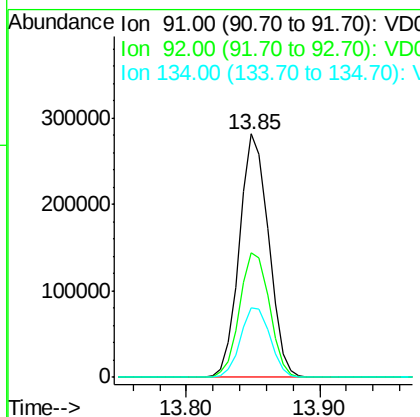
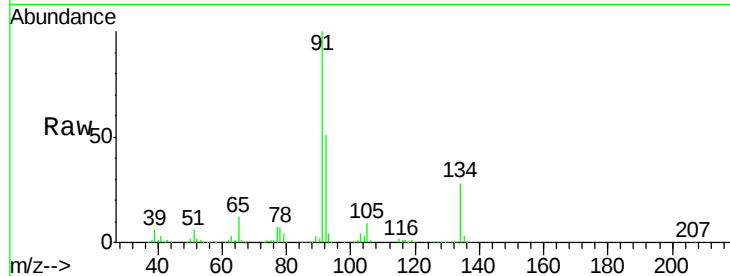




#89
n-Butylbenzene
Concen: 49.387 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

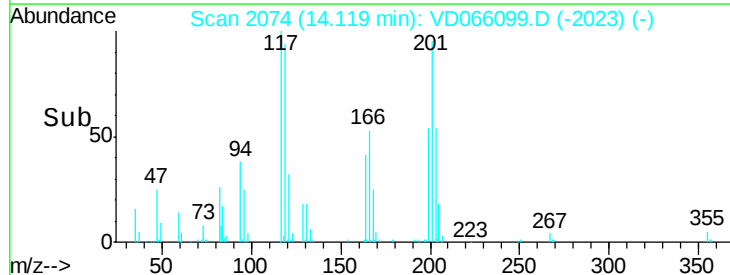
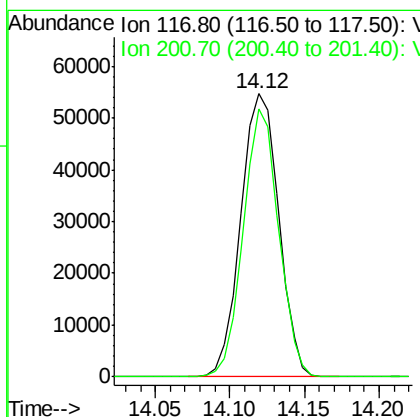
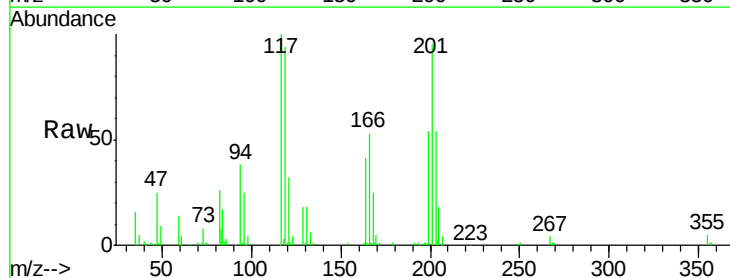
Instrument :
MSVOA_D
ClientSampleId :

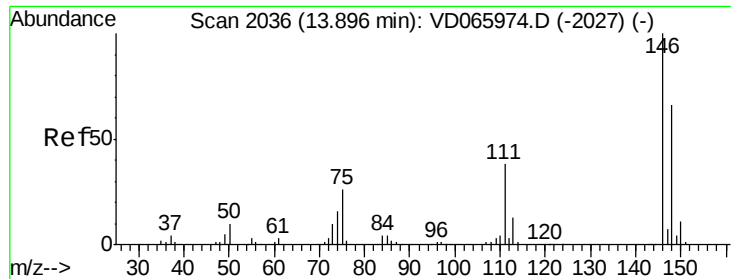
Tot Ion: 91 Resp: 425173
Ion Ratio Lower Upper
91 100
92 52.3 27.2 81.6
134 29.1 13.8 41.4



#90
Hexachloroethane
Concen: 50.243 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion: 117 Resp: 96298
Ion Ratio Lower Upper
117 100
201 88.1 42.0 126.1





#91

1,2-Dichlorobenzene

Concen: 52.829 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

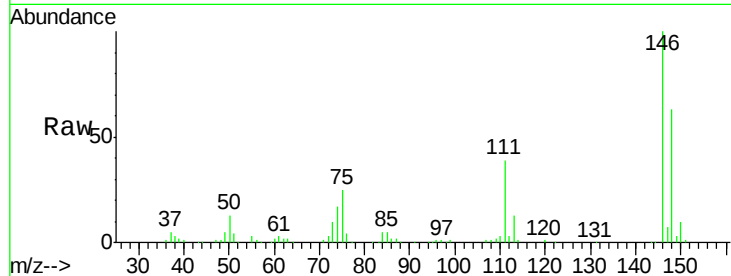
Tot Ion:146 Resp: 223541

Ion Ratio Lower Upper

146 100

111 38.4 19.3 57.9

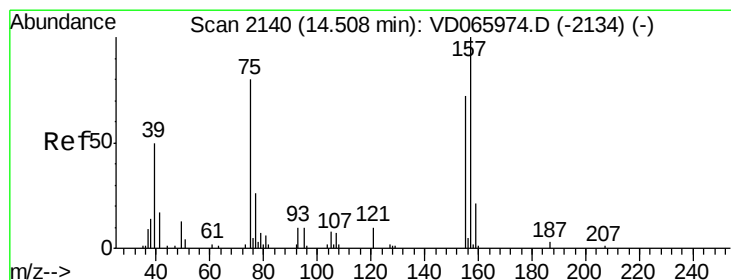
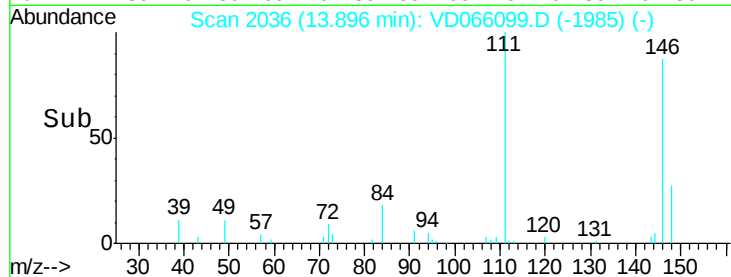
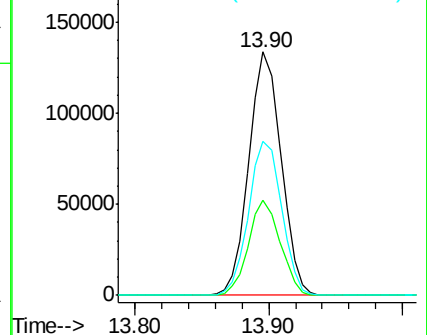
148 64.6 32.7 98.1



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: 51.298 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

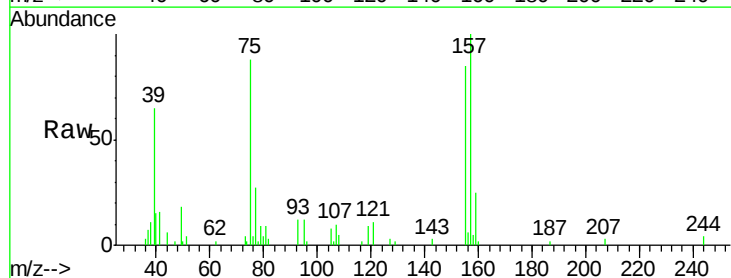
Tgt Ion: 75 Resp: 14299

Ion Ratio Lower Upper

75 100

155 98.7 48.5 145.5

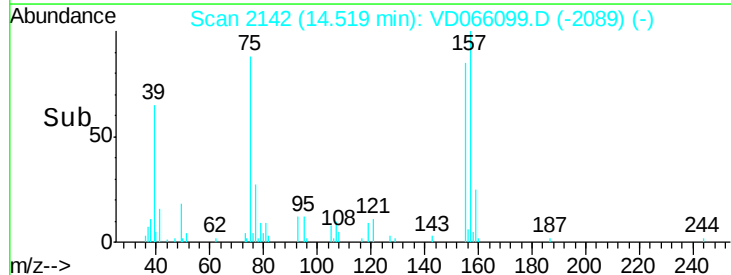
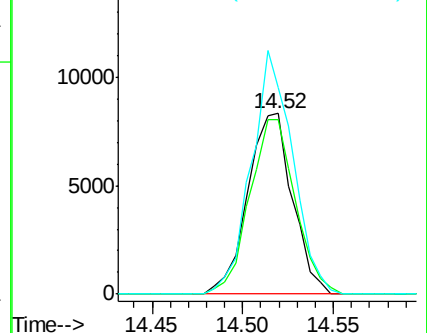
157 124.7 64.7 194.1

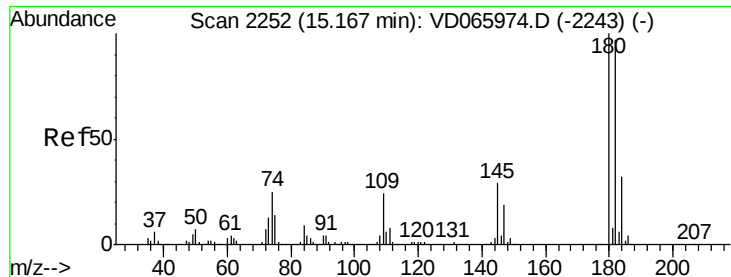


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

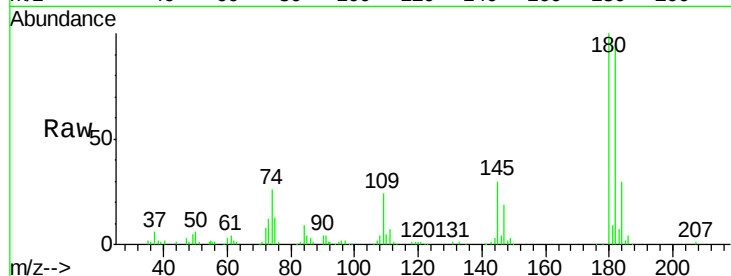




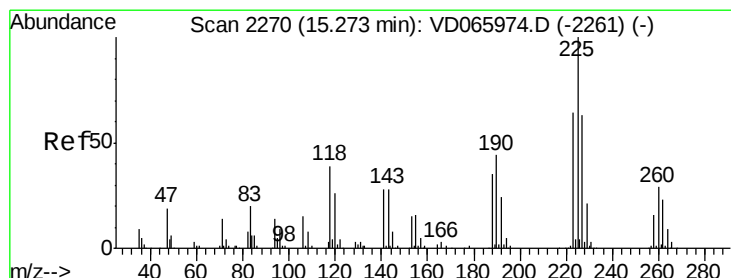
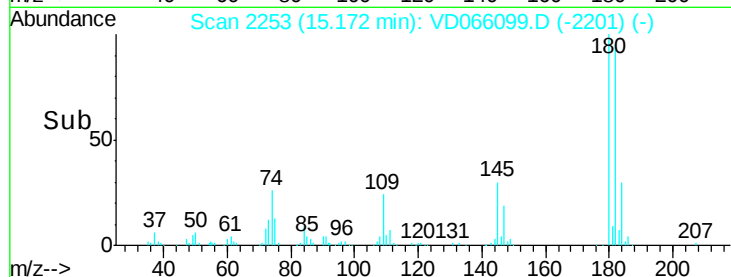
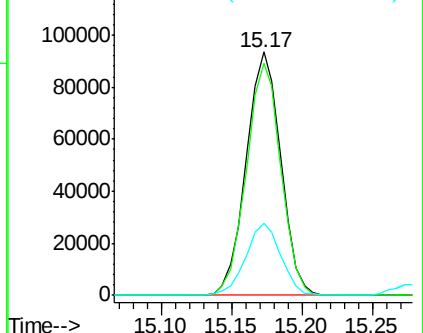
#93
1,2,4-Trichlorobenzene
Concen: 53.082 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:180 Resp: 161226
Ion Ratio Lower Upper
180 100
182 94.8 48.1 144.3
145 29.9 14.7 44.1

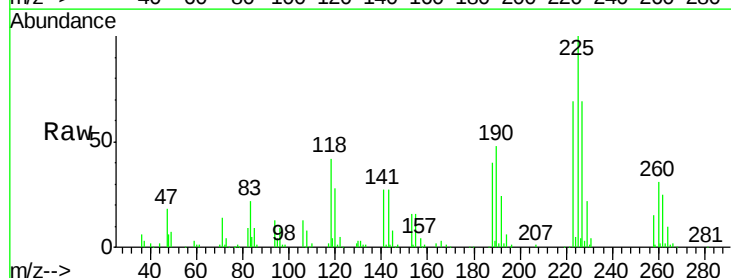


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

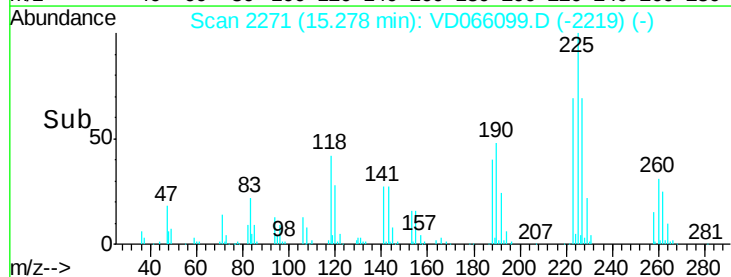
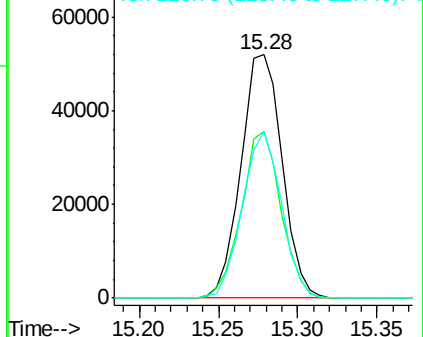


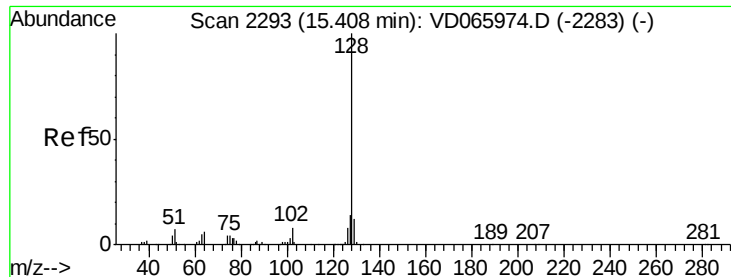
#94
Hexachlorobutadiene
Concen: 50.019 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.01 min
Lab File: VD066099.D
Acq: 29 Jul 2020 19:44

Tgt Ion:225 Resp: 93923
Ion Ratio Lower Upper
225 100
223 65.8 31.2 93.6
227 64.8 31.6 94.8



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: 49.622 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

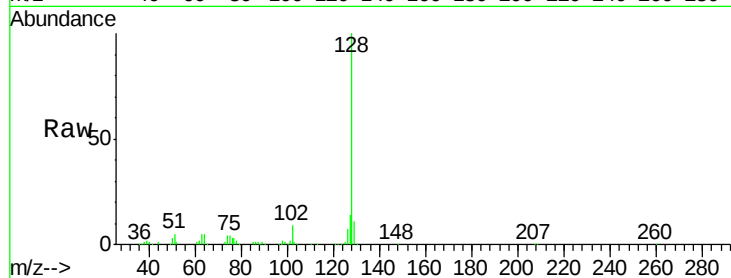
Tot Ion:128 Resp: 267865

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

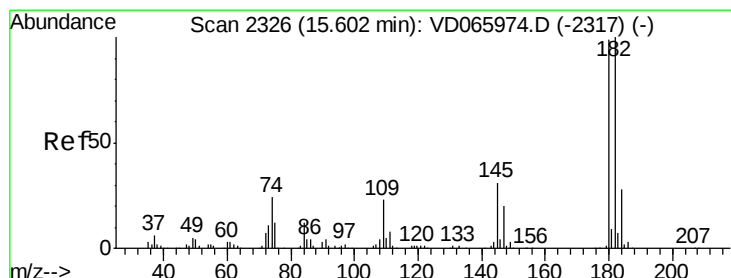
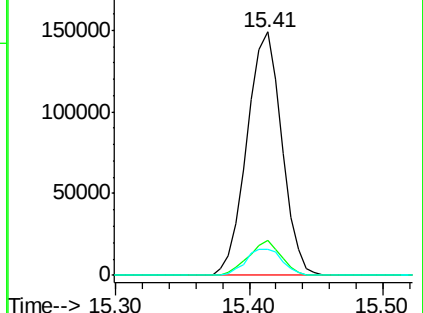
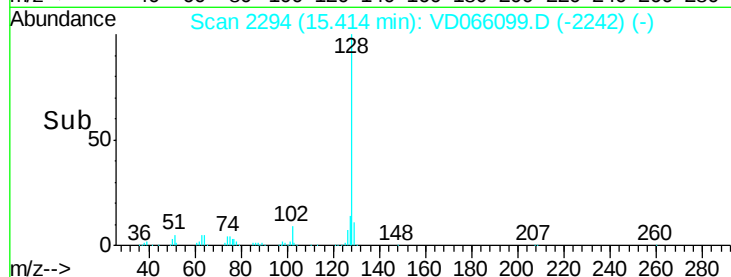
129 11.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.960 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD066099.D

Acq: 29 Jul 2020 19:44

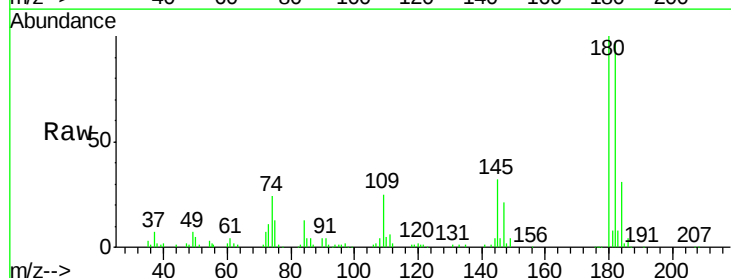
Tgt Ion:180 Resp: 139838

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.6

145 32.1 15.4 46.2



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

