

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061920\
 Data File : VD065823.D
 Acq On : 19 Jun 2020 12:40
 Operator : VA/SY
 Sample : VD0619SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBS01

Quant Time: Jun 20 01:37:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	180841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	290945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	267609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	137459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	94008	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
35) Dibromofluoromethane	7.91	113	89662	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.34	98	345421	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.64	95	117931	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	29991	22.486	ug/l	99
3) Chloromethane	2.21	50	55540	24.490	ug/l	99
4) Vinyl Chloride	2.35	62	63544	23.816	ug/l	98
5) Bromomethane	2.76	94	44839	24.031	ug/l	99
6) Chloroethane	2.92	64	42997	23.834	ug/l	97
7) Trichlorofluoromethane	3.27	101	67604	22.364	ug/l	92
8) Diethyl Ether	3.71	74	16420	20.661	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	40020	22.202	ug/l	99
10) Methyl Iodide	4.30	142	34081	19.417	ug/l	98
11) Tert butyl alcohol	5.21	59	12737	106.780	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	34902	21.245	ug/l	90
13) Acrolein	3.91	56	8407	83.760	ug/l	98
14) Allyl chloride	4.71	41	57983	21.354	ug/l	97
15) Acrylonitrile	5.42	53	37961	105.165	ug/l	99
16) Acetone	4.15	43	37336	110.764	ug/l	92
17) Carbon Disulfide	4.40	76	117823	21.368	ug/l	97
18) Methyl Acetate	4.71	43	18648	22.532	ug/l #	77
19) Methyl tert-butyl Ether	5.47	73	77392	20.798	ug/l	97
20) Methylene Chloride	4.96	84	58142	30.768	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	42340	22.007	ug/l	98
22) Diisopropyl ether	6.36	45	120226	21.914	ug/l	99
23) Vinyl Acetate	6.30	43	331168	106.895	ug/l	99
24) 1,1-Dichloroethane	6.26	63	73527	21.995	ug/l	98
25) 2-Butanone	7.21	43	48531	104.251	ug/l	96
26) 2,2-Dichloropropane	7.21	77	66420	22.409	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	44720	21.608	ug/l	97
28) Bromochloromethane	7.54	49	27465	21.273	ug/l	95
29) Tetrahydrofuran	7.56	42	31102	105.710	ug/l	94
30) Chloroform	7.71	83	76670	22.128	ug/l	94
31) Cyclohexane	7.98	56	66318	20.694	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	71267	22.369	ug/l	99
36) 1,1-Dichloropropene	8.11	75	59063	21.192	ug/l	99
37) Ethyl Acetate	7.29	43	23458	21.368	ug/l	99
38) Carbon Tetrachloride	8.09	117	62148	21.188	ug/l	93

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Quant Time: Jun 20 01:37:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70301	21.305	ug/l	97
40) Benzene	8.35	78	160751	21.098	ug/l	96
41) Methacrylonitrile	7.52	41	12779	19.550	ug/l #	87
42) 1,2-Dichloroethane	8.42	62	48811	21.232	ug/l	99
43) Isopropyl Acetate	8.45	43	43733	20.034	ug/l	98
44) Trichloroethene	9.11	130	45304	21.366	ug/l	90
45) 1,2-Dichloropropane	9.38	63	39200	20.476	ug/l	99
46) Dibromomethane	9.47	93	21589	20.793	ug/l	95
47) Bromodichloromethane	9.67	83	58066	20.869	ug/l	95
48) Methyl methacrylate	9.46	41	22335	21.137	ug/l	96
49) 1,4-Dioxane	9.46	88	4535	410.350	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	109414	102.287	ug/l	96
52) Toluene	10.40	92	103231	20.852	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	50571	20.072	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	63534	21.351	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	29904	21.555	ug/l	98
56) Ethyl methacrylate	10.66	69	32852	20.132	ug/l	98
57) 1,3-Dichloropropane	10.95	76	51689	21.505	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	76652	101.037	ug/l	100
59) 2-Hexanone	10.99	43	75969	105.342	ug/l	99
60) Dibromochloromethane	11.14	129	38119	20.339	ug/l	99
61) 1,2-Dibromoethane	11.25	107	27258	19.992	ug/l	94
64) Tetrachloroethene	10.88	164	37625	20.792	ug/l	98
65) Chlorobenzene	11.67	112	108678	20.802	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	41190	21.151	ug/l	100
67) Ethyl Benzene	11.75	91	198700	21.290	ug/l	95
68) m/p-Xylenes	11.86	106	153476	42.693	ug/l	100
69) o-Xylene	12.18	106	67801	20.918	ug/l	97
70) Styrene	12.20	104	119549	21.306	ug/l	98
71) Bromoform	12.36	173	21597	20.139	ug/l #	94
73) Isopropylbenzene	12.48	105	189147	20.523	ug/l	99
74) N-amyl acetate	12.29	43	40591	19.797	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	32004	20.562	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	22957m	21.474	ug/l	
77) Bromobenzene	12.77	156	43966	20.163	ug/l	97
78) n-propylbenzene	12.83	91	232211	20.932	ug/l	99
79) 2-Chlorotoluene	12.91	91	129436	21.269	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	160088	20.874	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	10473	21.167	ug/l	96
82) 4-Chlorotoluene	13.01	91	138611	21.219	ug/l	100
83) tert-Butylbenzene	13.23	119	138844	20.864	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	160227	20.873	ug/l	99
85) sec-Butylbenzene	13.41	105	197516	21.328	ug/l	98
86) p-Isopropyltoluene	13.52	119	174150	20.516	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	87809	20.423	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	87766	20.521	ug/l	96
89) n-Butylbenzene	13.85	91	171807	21.222	ug/l	98
90) Hexachloroethane	14.12	117	36264	21.344	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	76807	20.758	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5025	19.399	ug/l	93

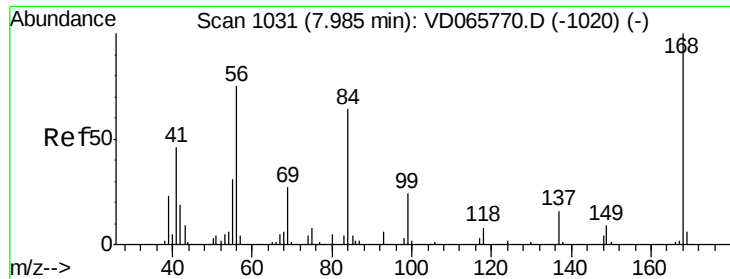
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061920\
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Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	49098	19.515	ug/l	97
94) Hexachlorobutadiene	15.28	225	28096	18.474	ug/l	96
95) Naphthalene	15.41	128	76497	17.950	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	42562	19.643	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

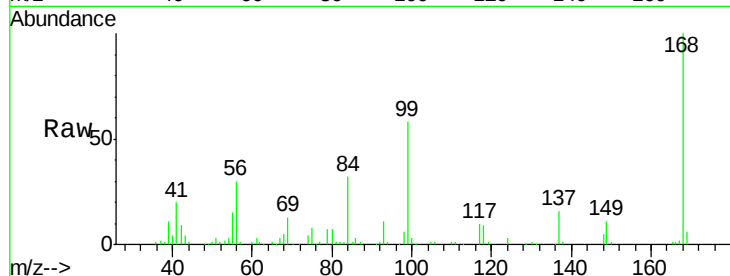
VD0619SBS01

Tot Ion:168 Resp: 180841

Ion Ratio Lower Upper

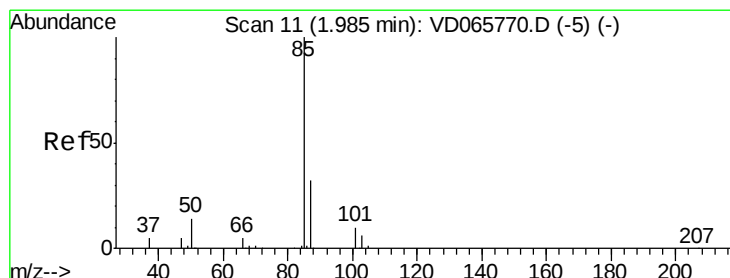
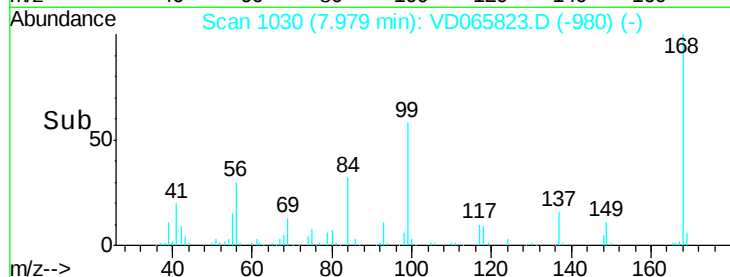
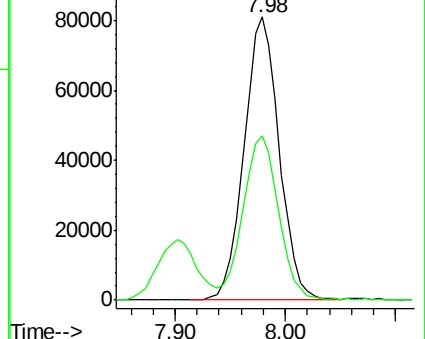
168 100

99 57.6 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.486 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065823.D

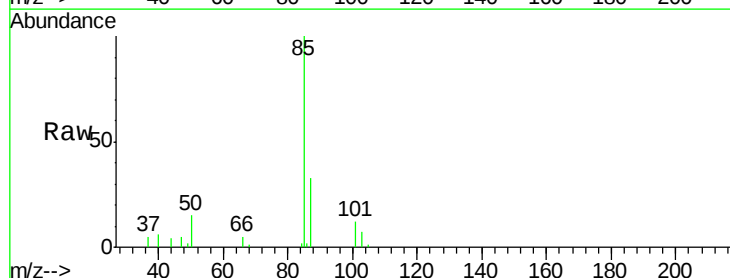
Acq: 19 Jun 2020 12:40

Tgt Ion: 85 Resp: 29991

Ion Ratio Lower Upper

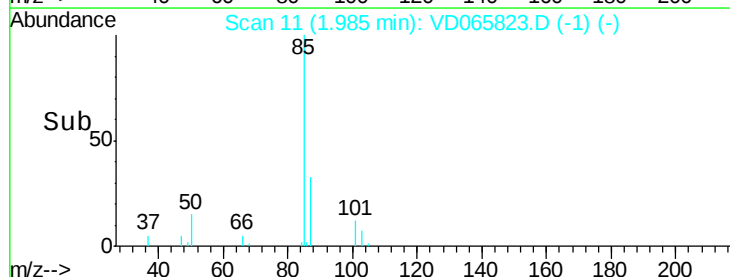
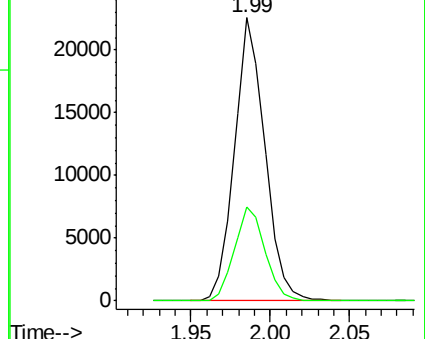
85 100

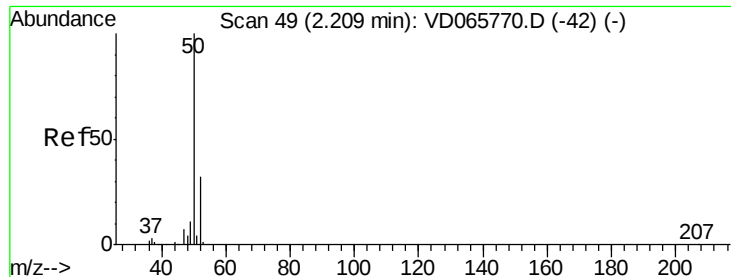
87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.490 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

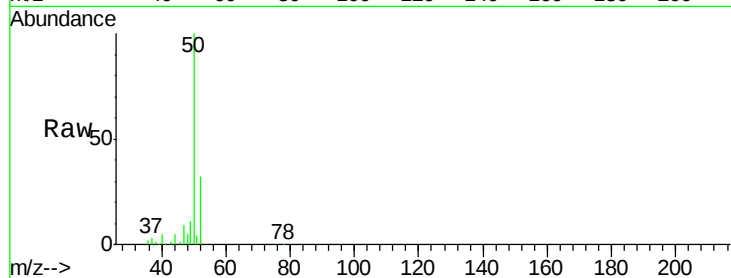
VD0619SBS01

Tot Ion: 50 Resp: 55540

Ion Ratio Lower Upper

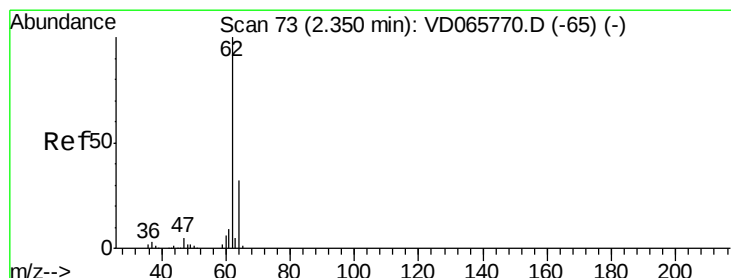
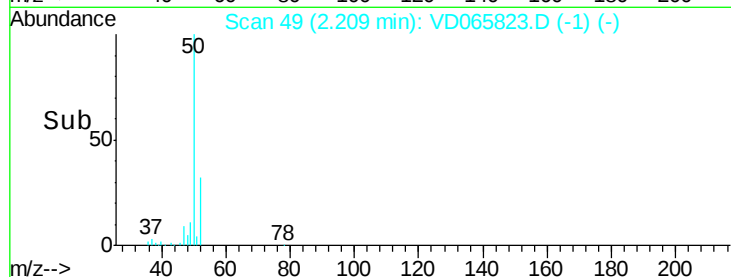
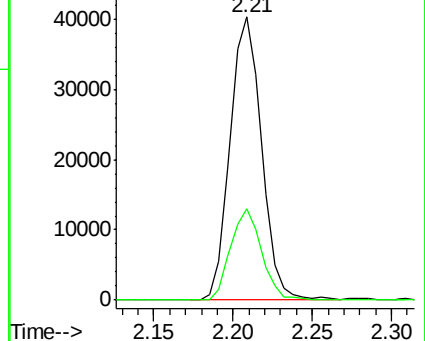
50 100

52 32.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.816 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065823.D

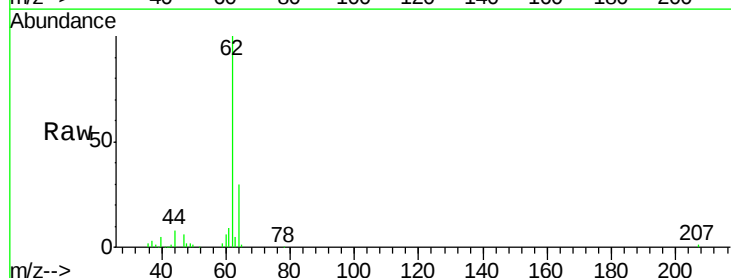
Acq: 19 Jun 2020 12:40

Tgt Ion: 62 Resp: 63544

Ion Ratio Lower Upper

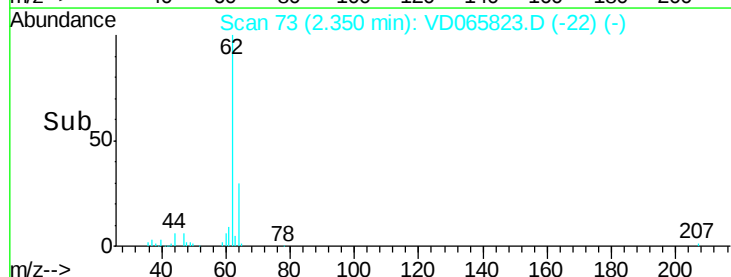
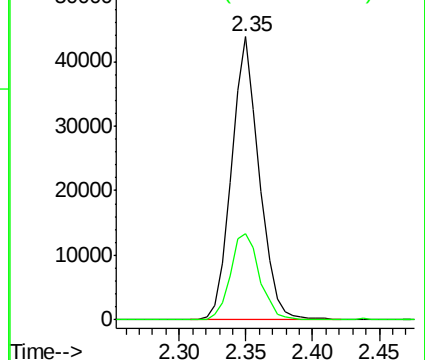
62 100

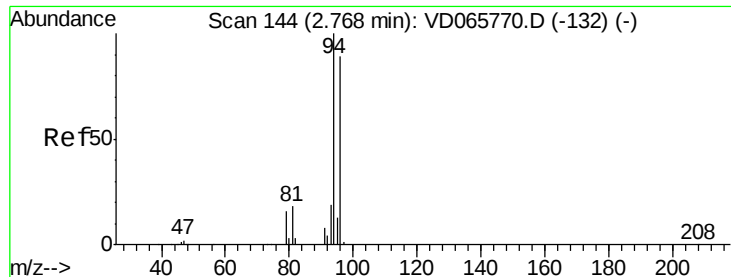
64 30.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 24.031 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

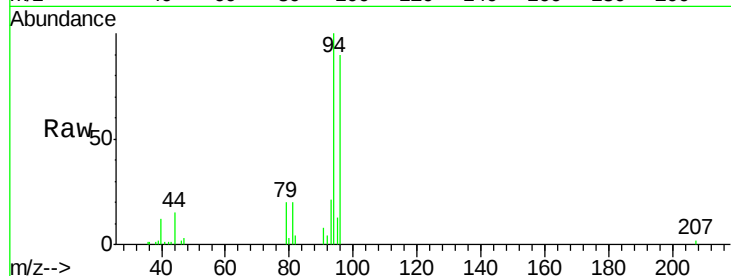
VD0619SBS01

Tot Ion: 94 Resp: 44839

Ion Ratio Lower Upper

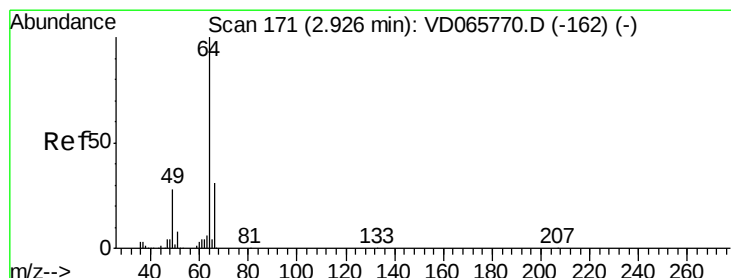
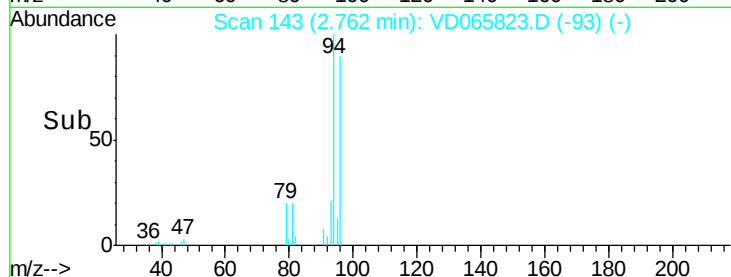
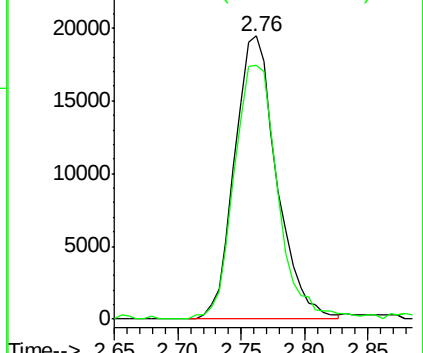
94 100

96 89.8 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.834 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065823.D

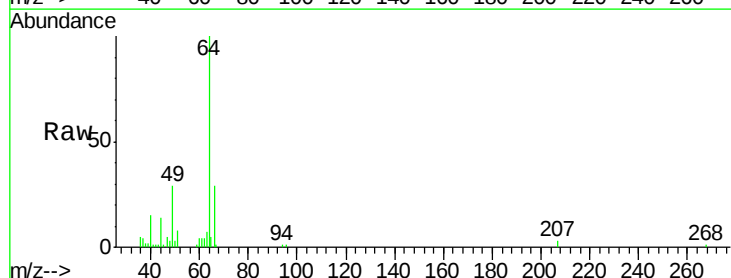
Acq: 19 Jun 2020 12:40

Tgt Ion: 64 Resp: 42997

Ion Ratio Lower Upper

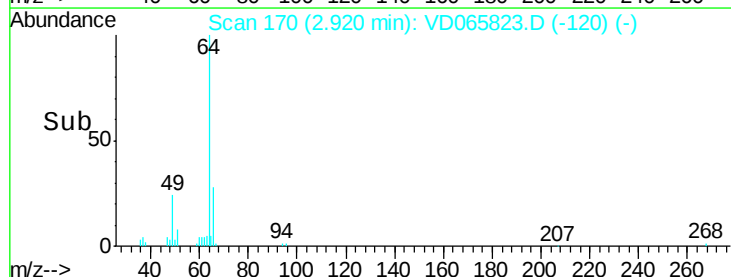
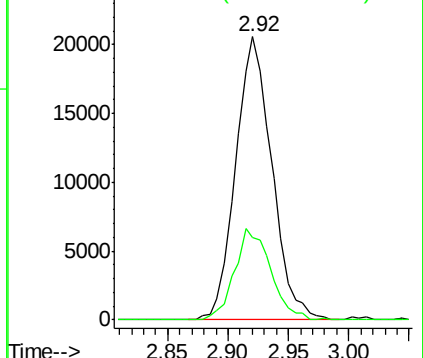
64 100

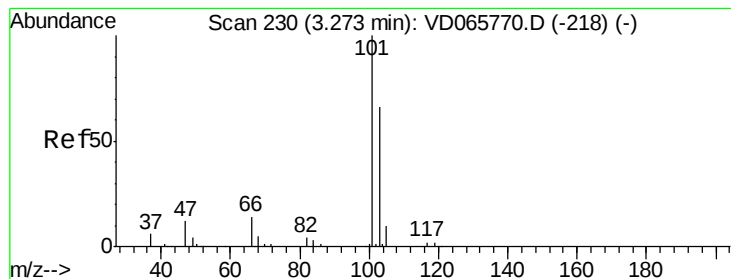
66 29.2 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



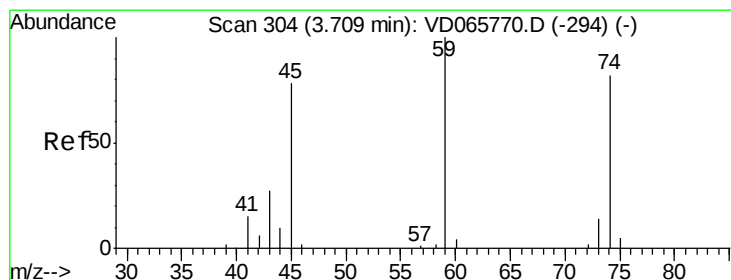
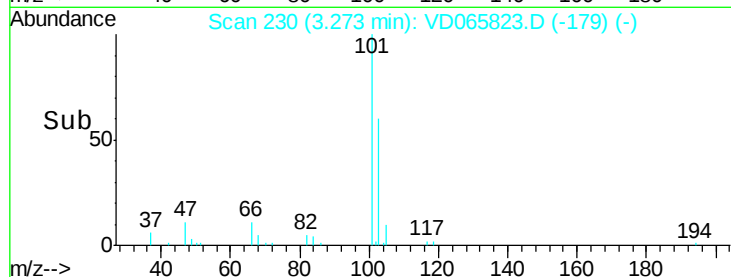
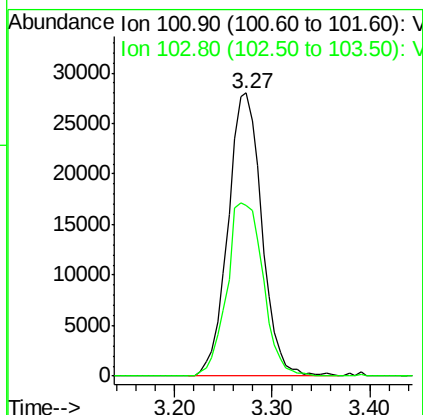
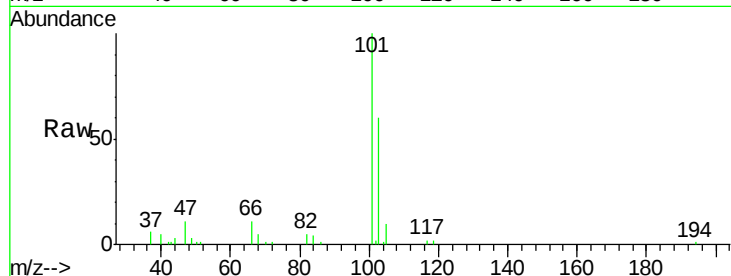


#7

Trichlorofluoromethane
 Concen: 22.364 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065823.D
 Acq: 19 Jun 2020 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBS01

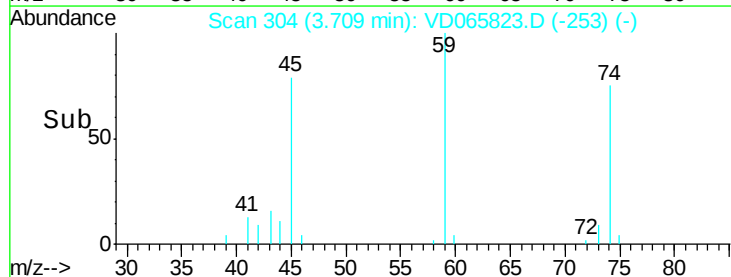
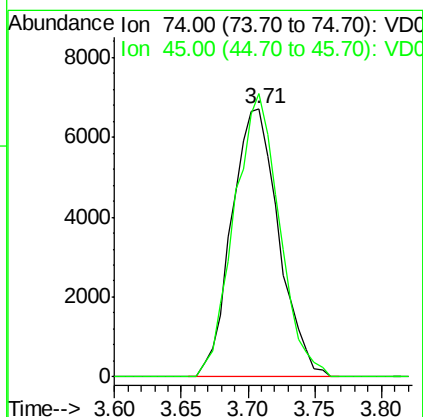
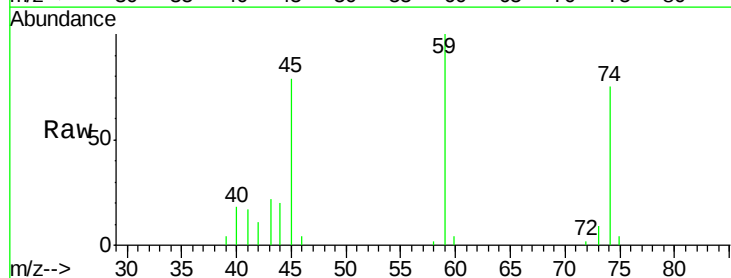
Tot Ion:101 Resp: 67604
 Ion Ratio Lower Upper
 101 100
 103 60.3 53.1 79.7

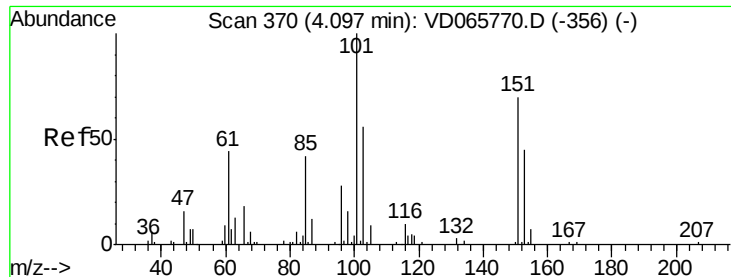


#8

Diethyl Ether
 Concen: 20.661 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065823.D
 Acq: 19 Jun 2020 12:40

Tgt Ion: 74 Resp: 16420
 Ion Ratio Lower Upper
 74 100
 45 101.3 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.202 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

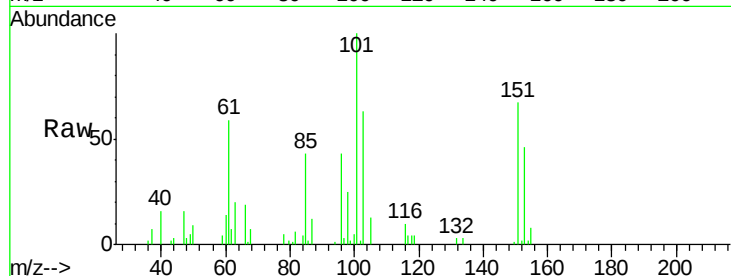
Tot Ion:101 Resp: 40020

Ion Ratio Lower Upper

101 100

85 46.0 36.5 54.7

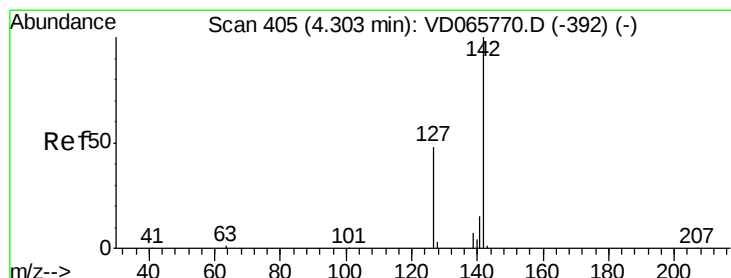
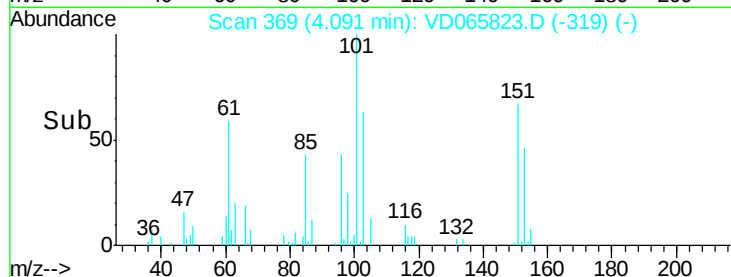
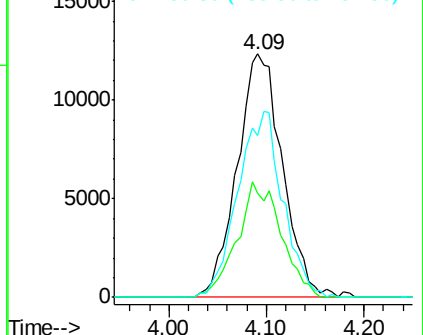
151 75.9 61.8 92.6



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: 19.417 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

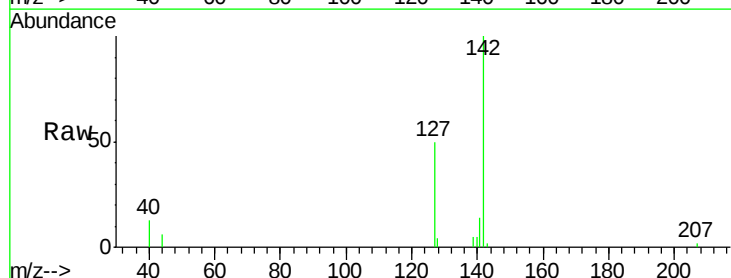
Tgt Ion:142 Resp: 34081

Ion Ratio Lower Upper

142 100

127 48.9 37.6 56.4

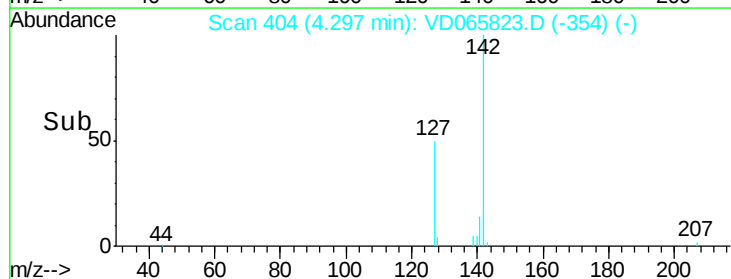
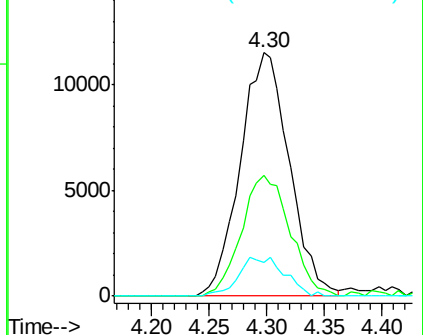
141 14.9 12.1 18.1

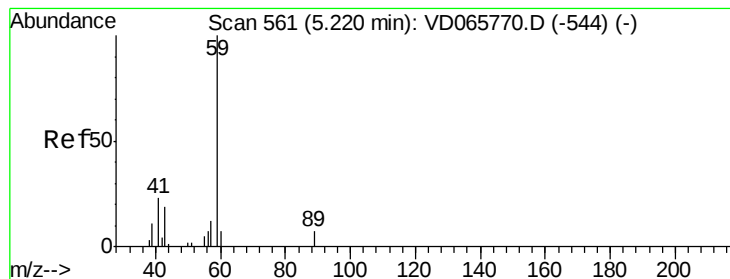


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 106.780 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

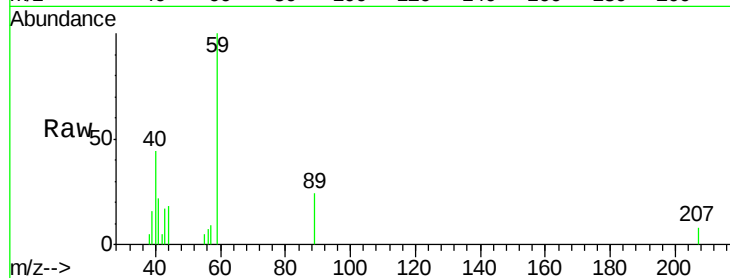
VD0619SBS01

Tot Ion: 59 Resp: 12737

Ion Ratio Lower Upper

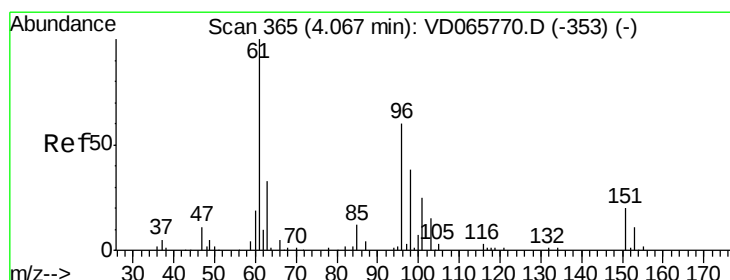
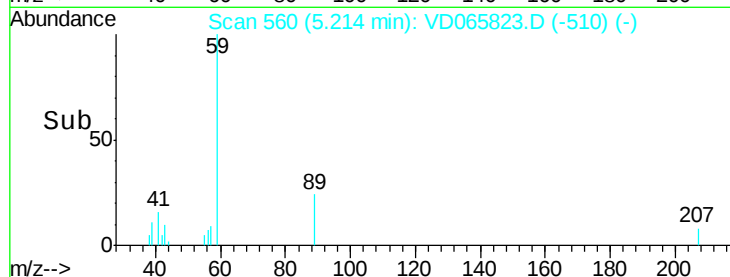
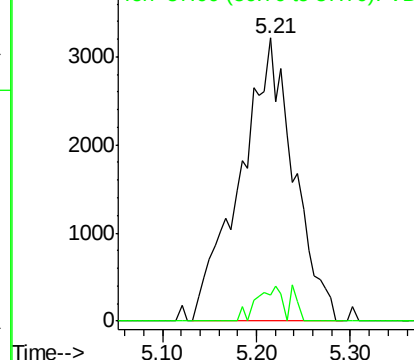
59 100

57 5.6 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.245 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

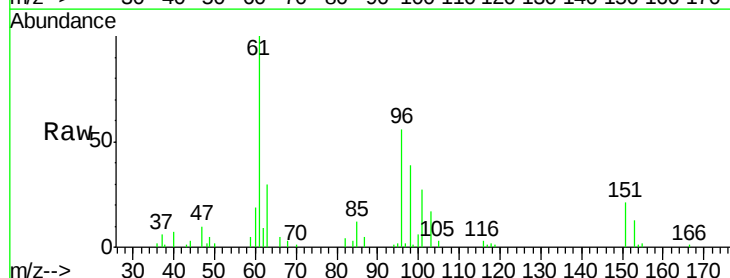
Tgt Ion: 96 Resp: 34902

Ion Ratio Lower Upper

96 100

61 179.8 132.3 198.5

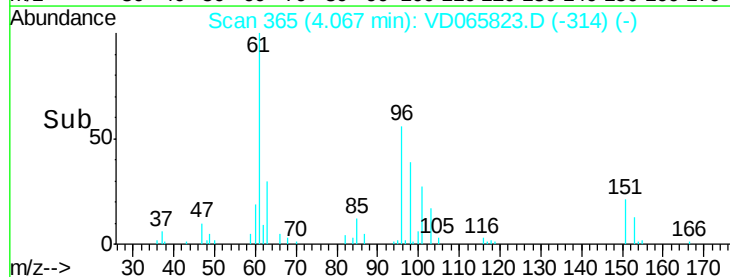
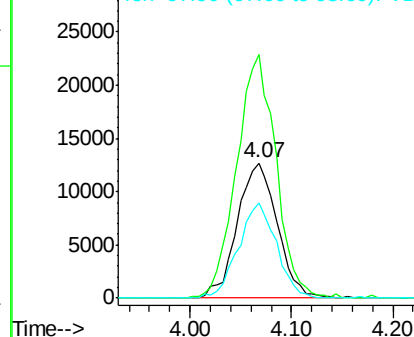
98 70.1 50.7 76.1

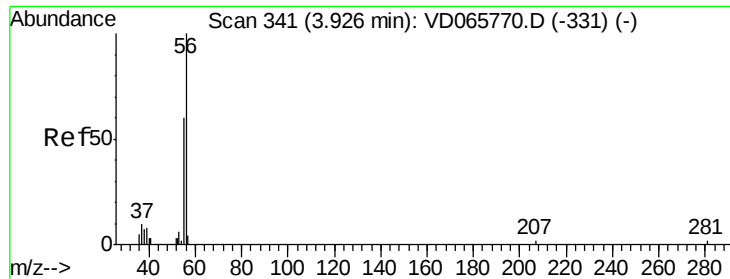


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 83.760 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

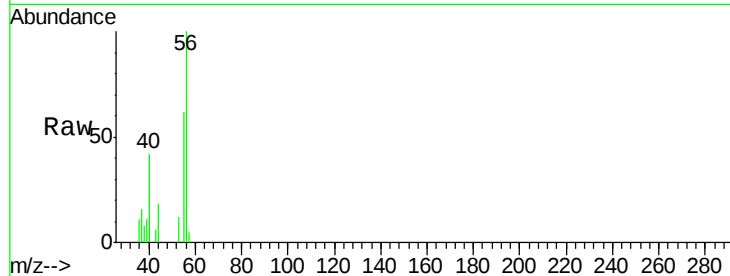
VD0619SBS01

Tot Ion: 56 Resp: 8407

Ion Ratio Lower Upper

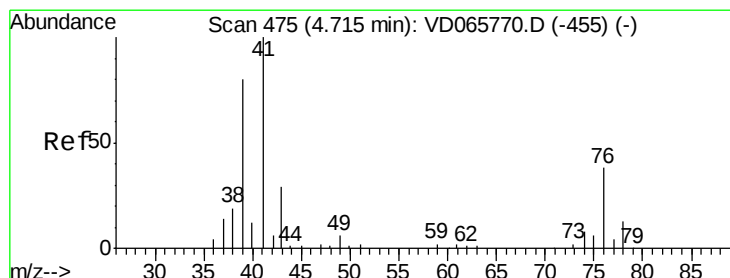
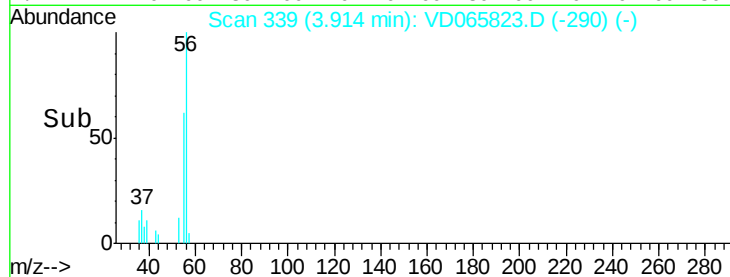
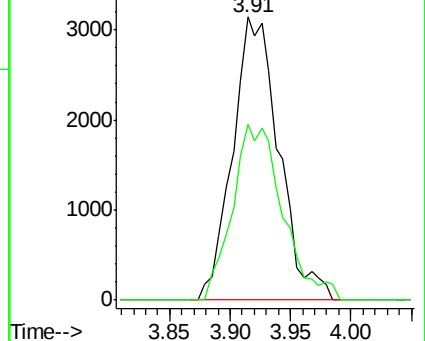
56 100

55 67.0 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.354 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

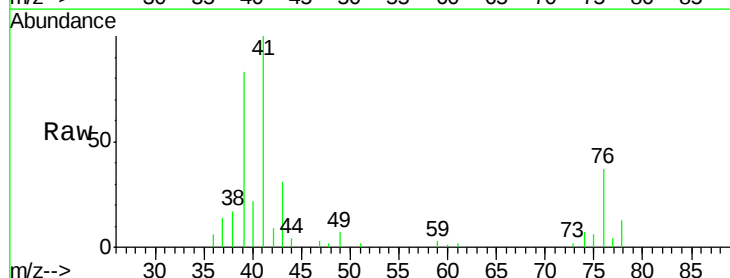
Tgt Ion: 41 Resp: 57983

Ion Ratio Lower Upper

41 100

39 79.6 60.9 91.3

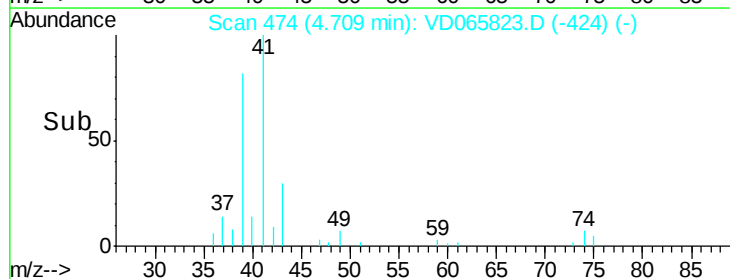
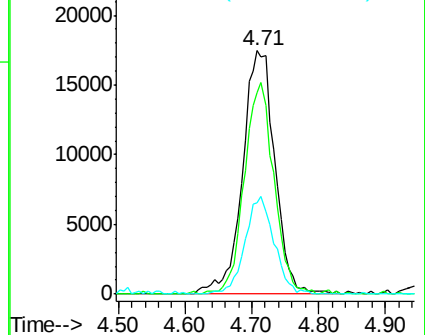
76 36.2 28.9 43.3

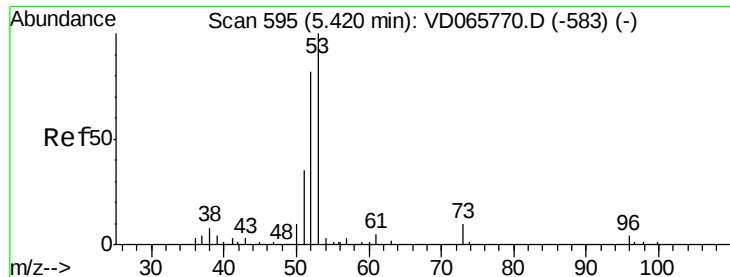


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 105.165 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

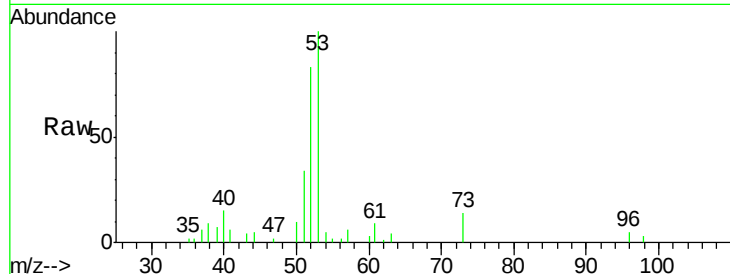
Tot Ion: 53 Resp: 37961

Ion Ratio Lower Upper

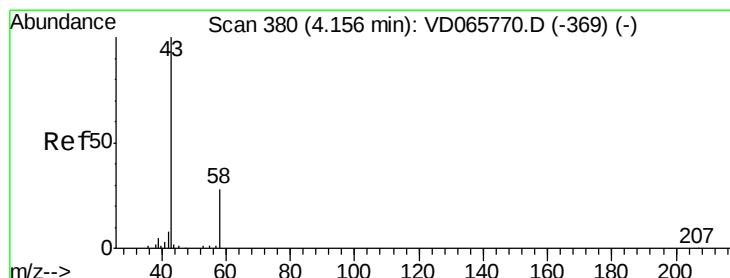
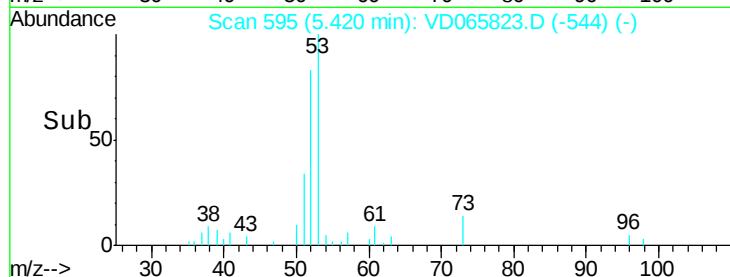
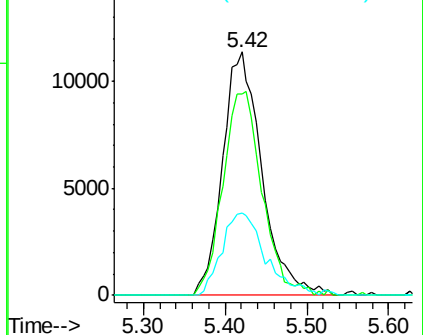
53 100

52 83.9 66.2 99.2

51 37.6 30.7 46.1



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: 110.764 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065823.D

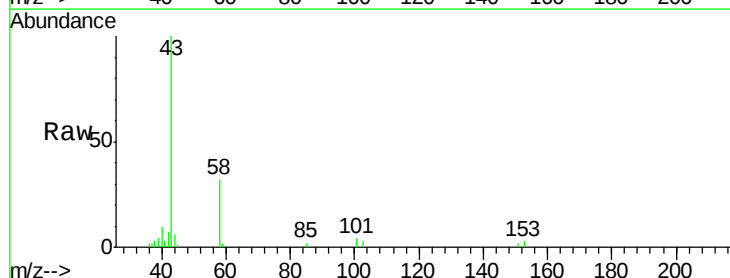
Acq: 19 Jun 2020 12:40

Tgt Ion: 43 Resp: 37336

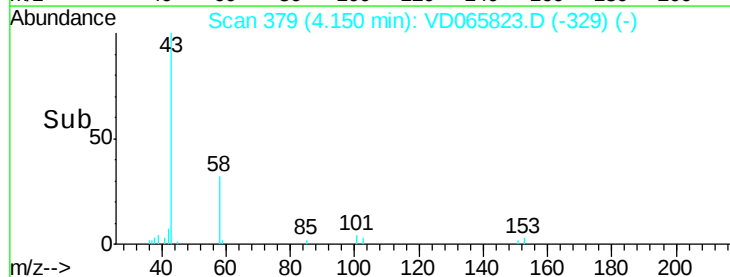
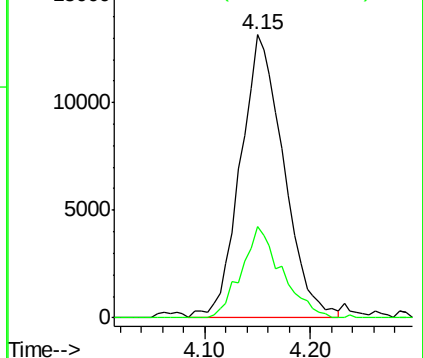
Ion Ratio Lower Upper

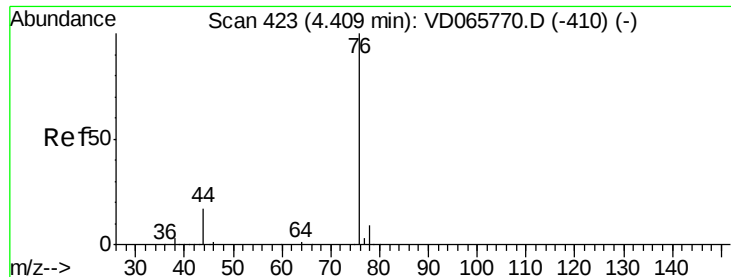
43 100

58 32.4 22.3 33.5



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

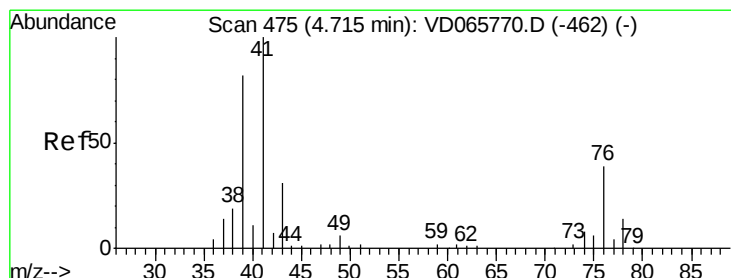
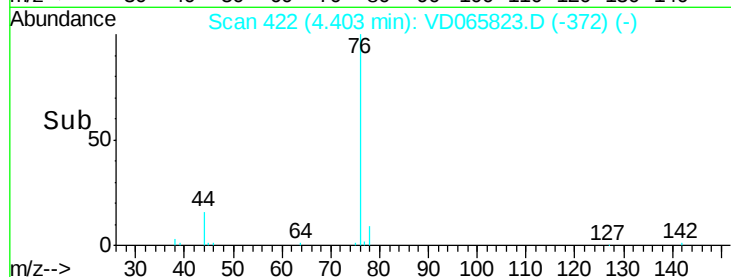
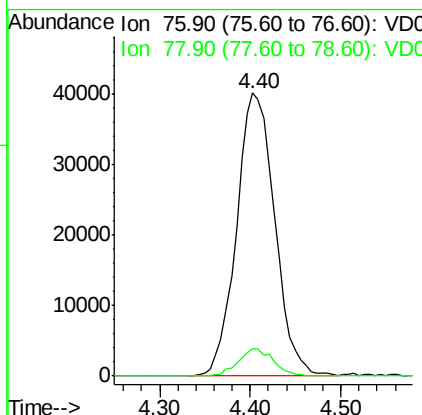
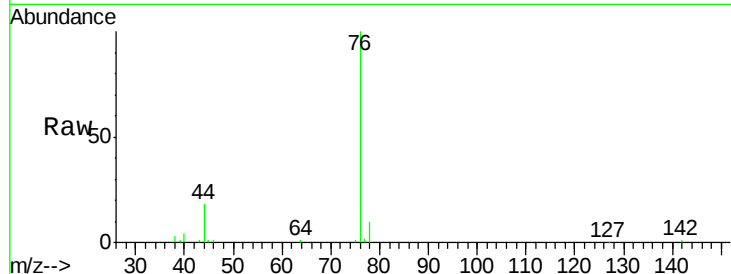




#17
Carbon Disulfide
Concen: 21.368 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

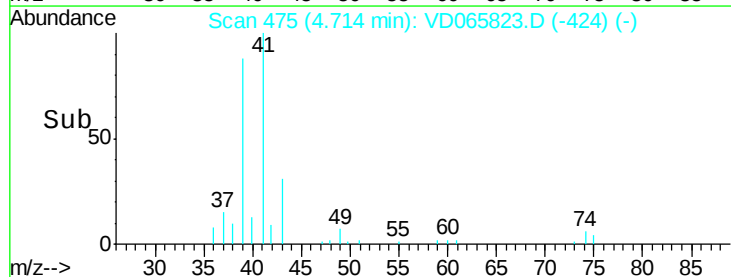
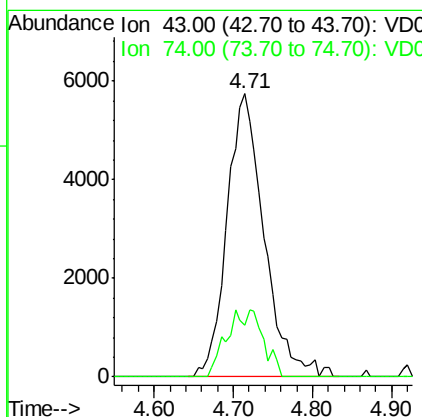
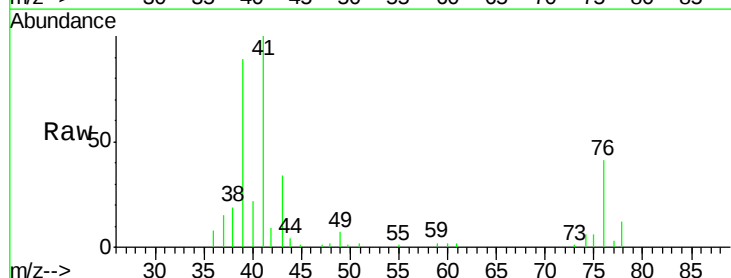
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

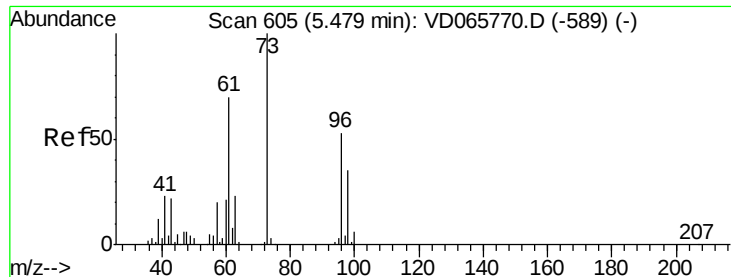
Tot Ion: 76 Resp: 117823
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7



#18
Methyl Acetate
Concen: 22.532 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 43 Resp: 18648
Ion Ratio Lower Upper
43 100
74 12.4 18.7 28.1#

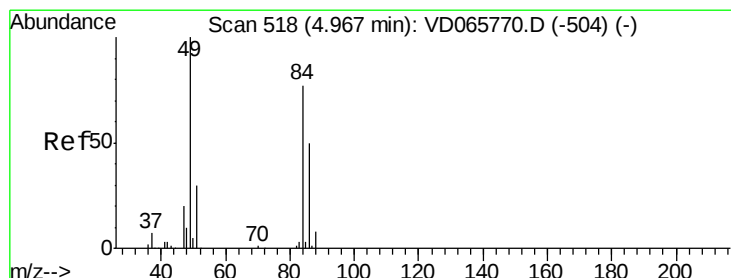
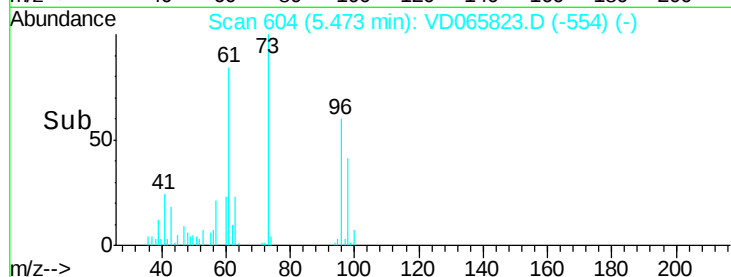
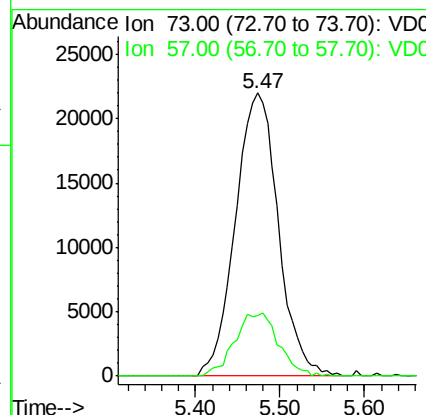
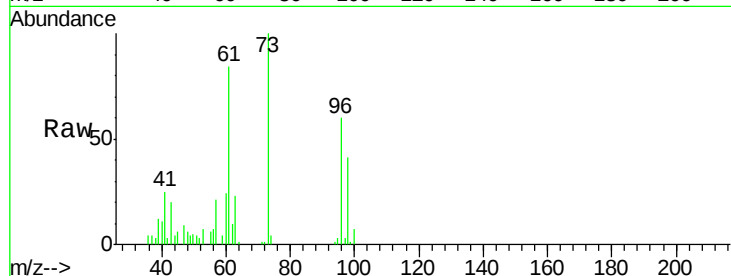




#19
Methvl tert-butvl Ether
Concen: 20.798 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

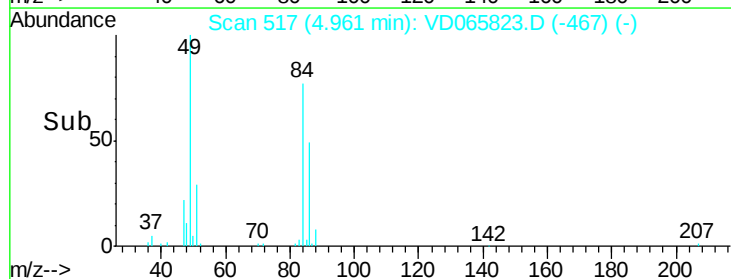
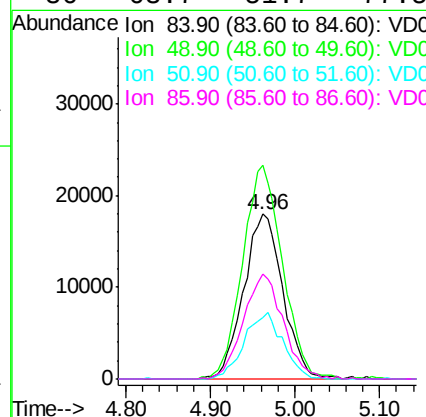
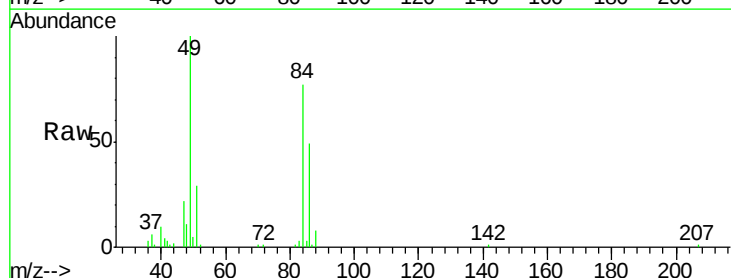
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

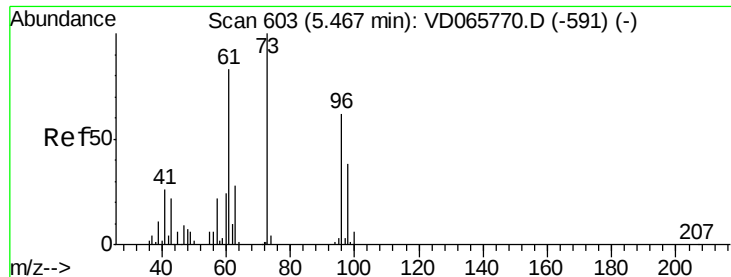
Tot Ion: 73 Resp: 77392
Ion Ratio Lower Upper
73 100
57 21.5 16.2 24.2



#20
Methylene Chloride
Concen: 30.768 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 84 Resp: 58142
Ion Ratio Lower Upper
84 100
49 129.5 103.4 155.0
51 37.4 31.4 47.2
86 63.7 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 22.007 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

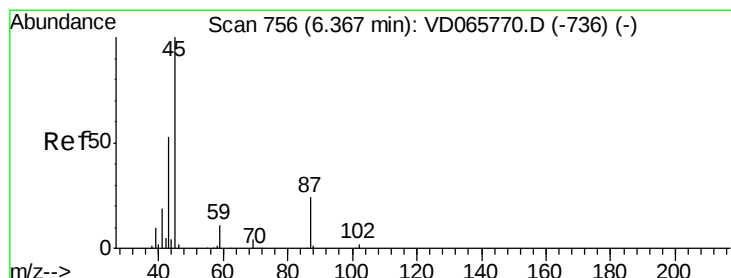
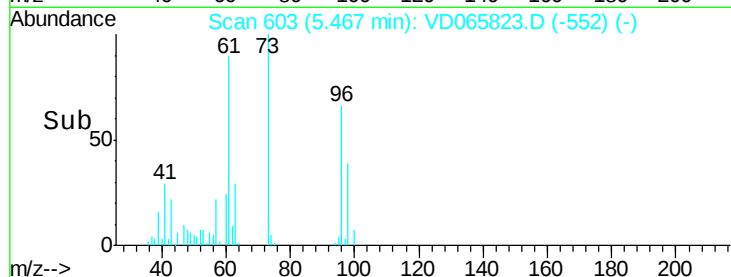
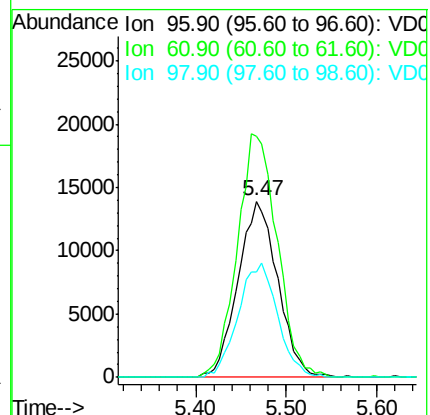
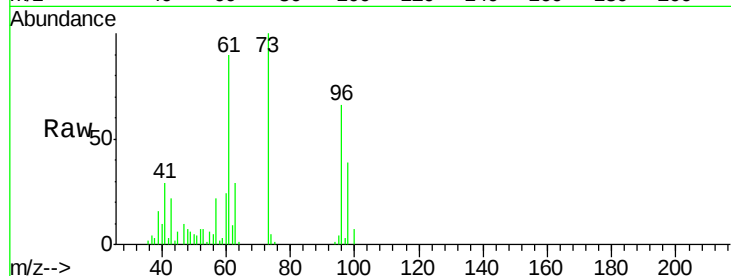
Tot Ion: 96 Resp: 42340

Ion Ratio Lower Upper

96 100

61 137.0 107.7 161.5

98 59.7 49.3 73.9



#22

Diisopropyl ether

Concen: 21.914 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Tgt Ion: 45 Resp: 120226

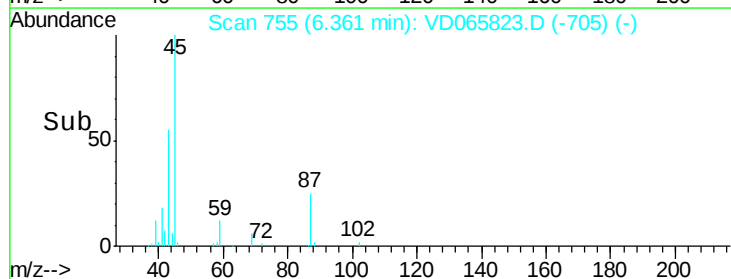
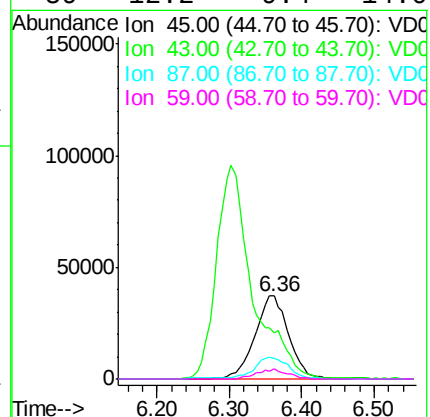
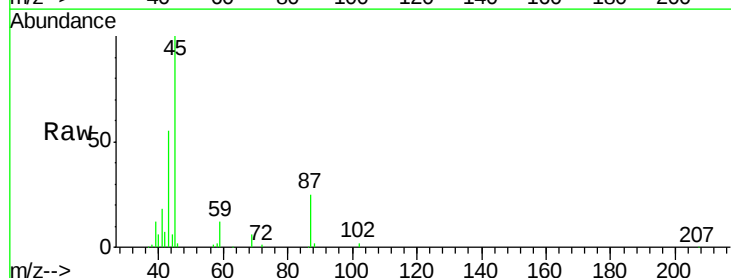
Ion Ratio Lower Upper

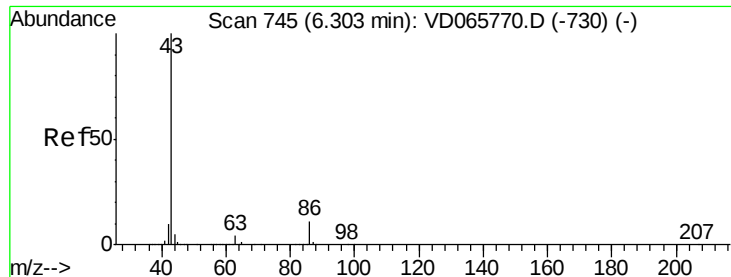
45 100

43 54.5 43.4 65.0

87 24.7 20.2 30.4

59 12.2 9.4 14.0





#23

Vinyl Acetate

Concen: 106.895 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

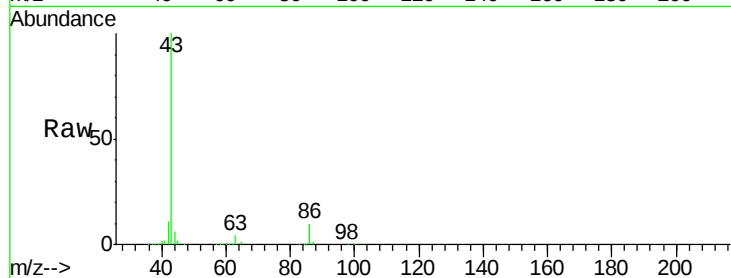
VD0619SBS01

Tot Ion: 43 Resp: 331168

Ion Ratio Lower Upper

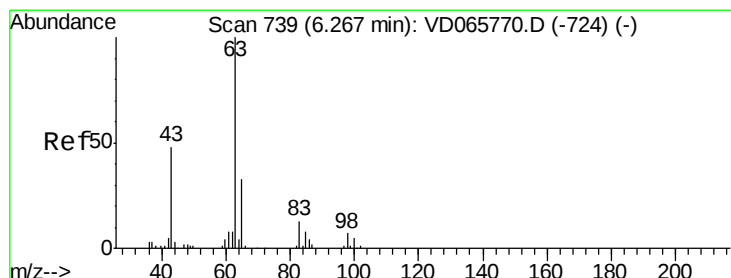
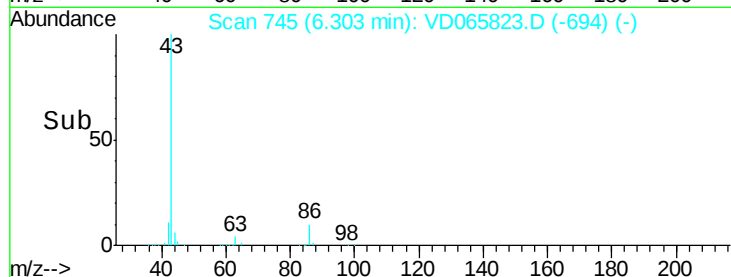
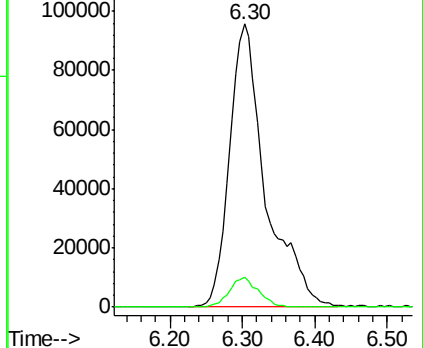
43 100

86 10.4 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.995 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

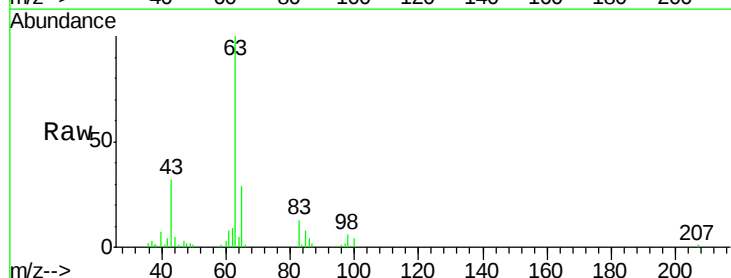
Tgt Ion: 63 Resp: 73527

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

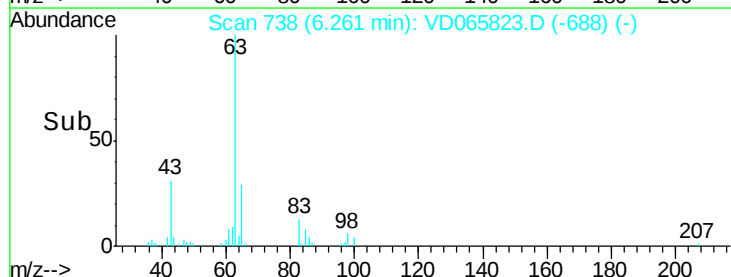
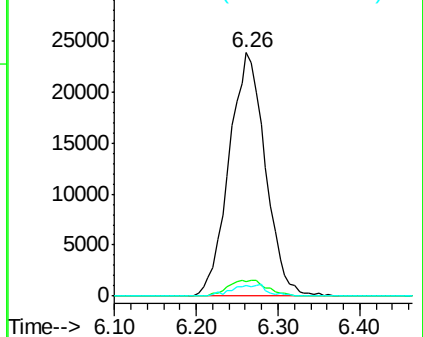
100 4.4 2.3 6.9

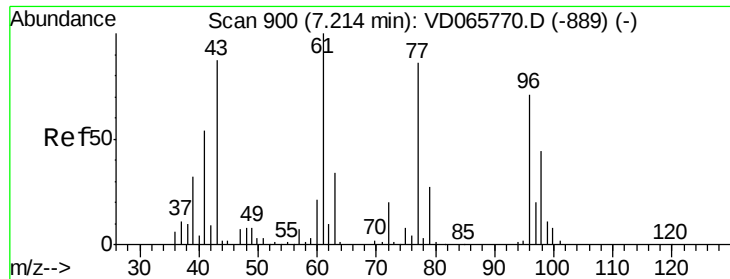


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

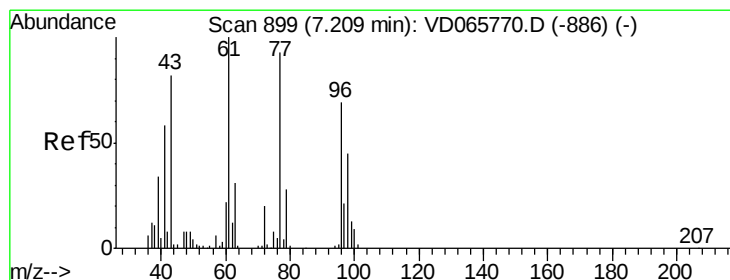
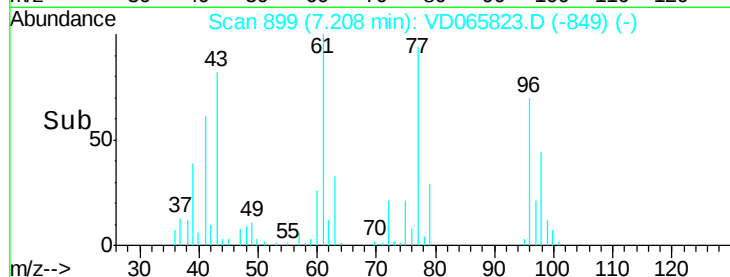
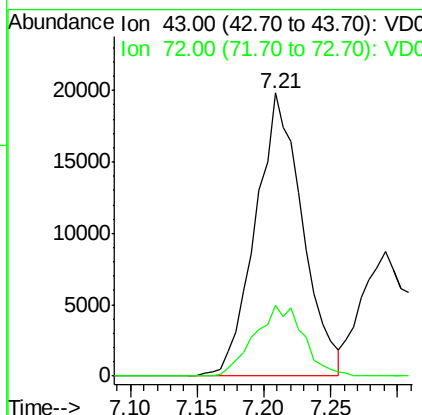
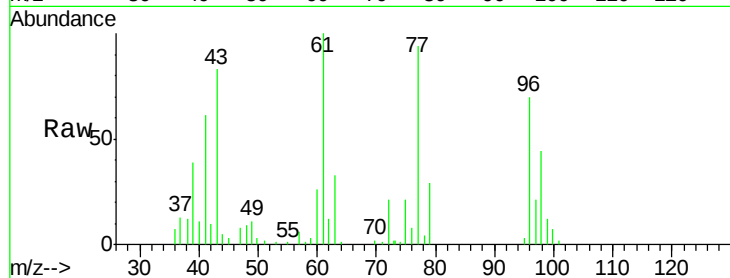




#25
2-Butanone
Concen: 104.251 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

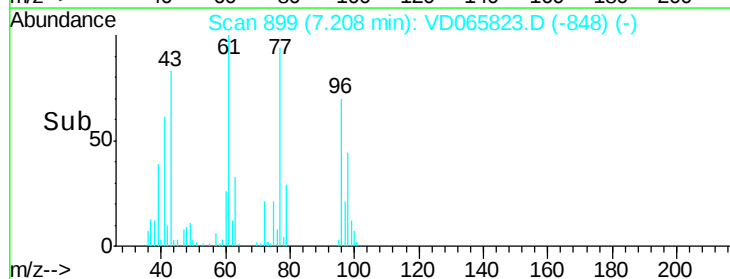
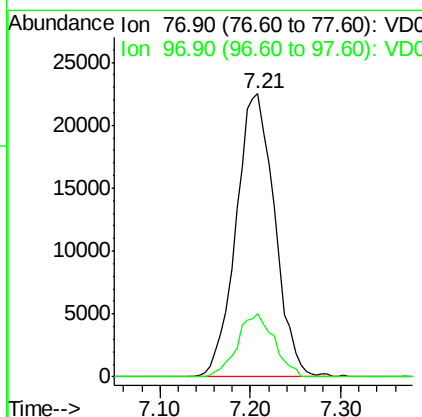
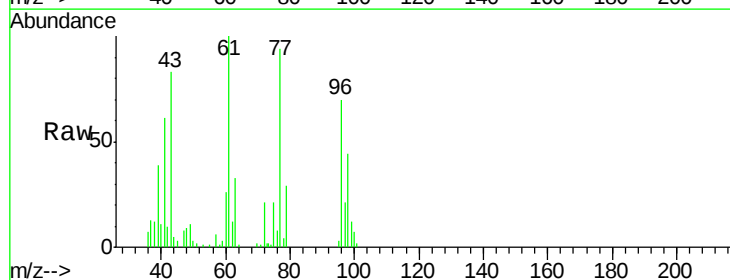
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

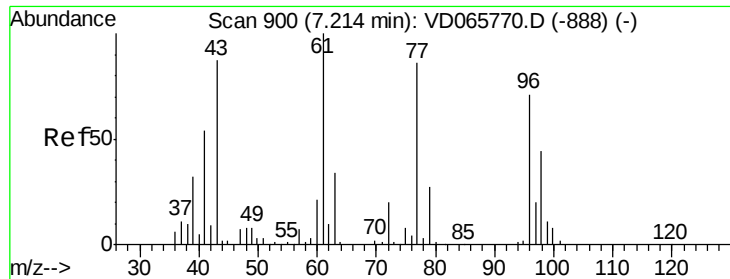
Tot Ion: 43 Resp: 48531
Ion Ratio Lower Upper
43 100
72 24.9 18.5 27.7



#26
2,2-Dichloropropane
Concen: 22.409 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 77 Resp: 66420
Ion Ratio Lower Upper
77 100
97 21.2 10.9 32.7



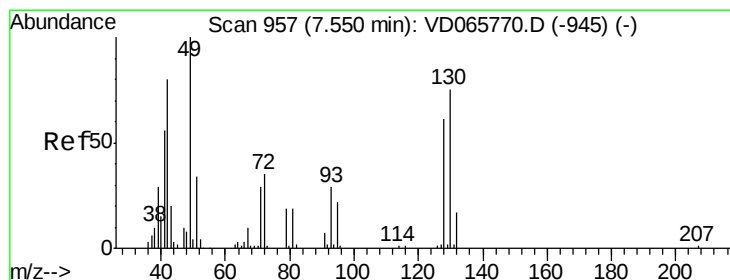
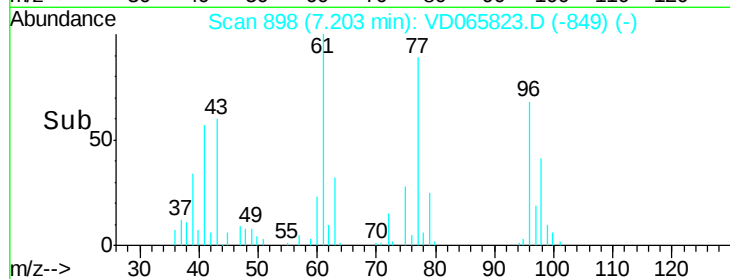
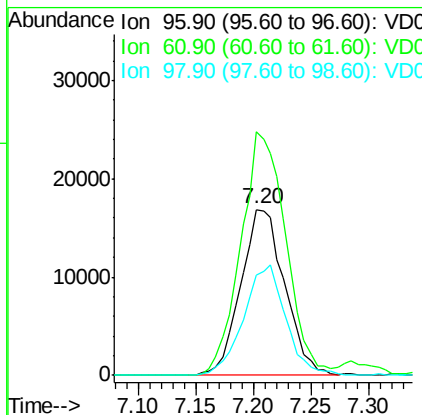
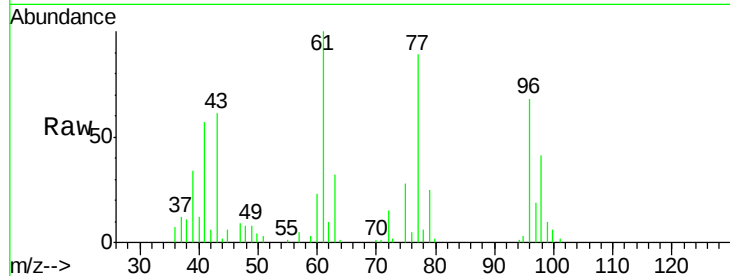


#27

cis-1,2-Dichloroethene
Concen: 21.608 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

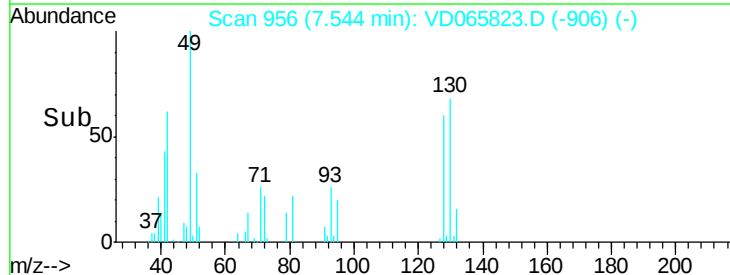
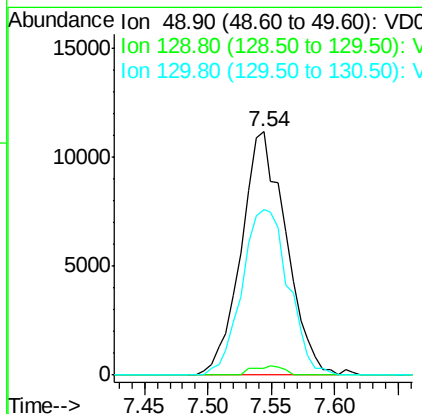
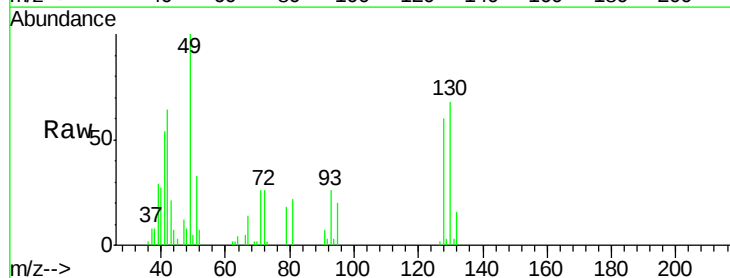
Tot Ion: 96 Resp: 44720
Ion Ratio Lower Upper
96 100
61 149.8 0.0 291.2
98 63.6 0.0 128.8

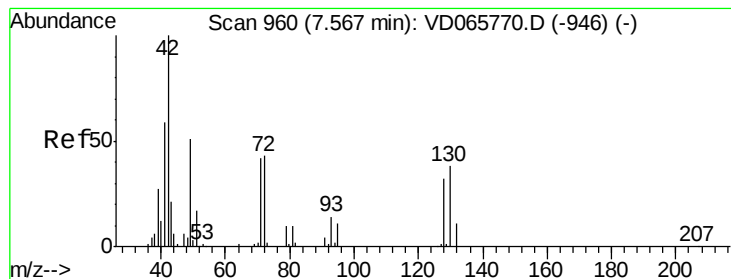


#28

Bromochloromethane
Concen: 21.273 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 49 Resp: 27465
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.6
130 70.5 59.5 89.3





#29

Tetrahydrofuran

Concen: 105.710 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

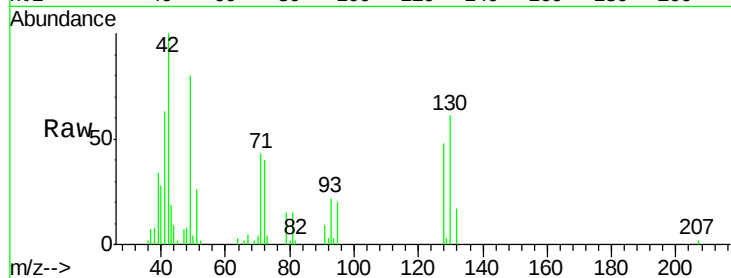
Tot Ion: 42 Resp: 31102

Ion Ratio Lower Upper

42 100

72 38.6 34.9 52.3

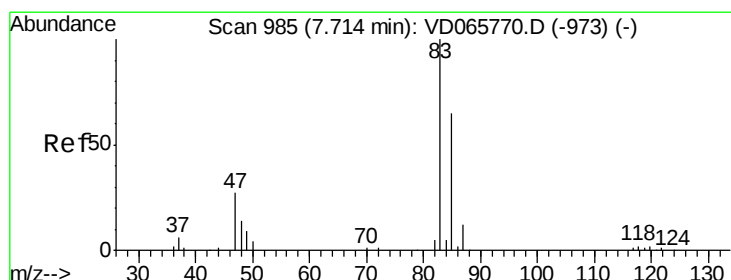
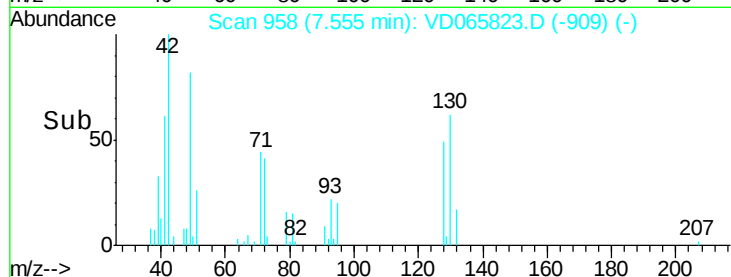
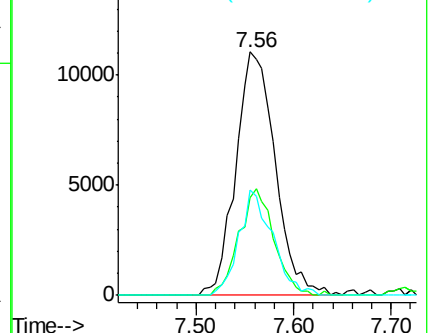
71 36.9 31.2 46.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 22.128 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065823.D

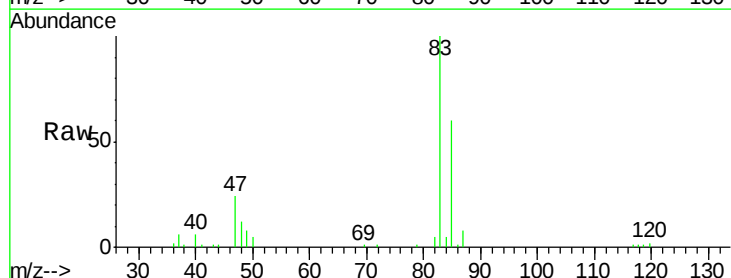
Acq: 19 Jun 2020 12:40

Tgt Ion: 83 Resp: 76670

Ion Ratio Lower Upper

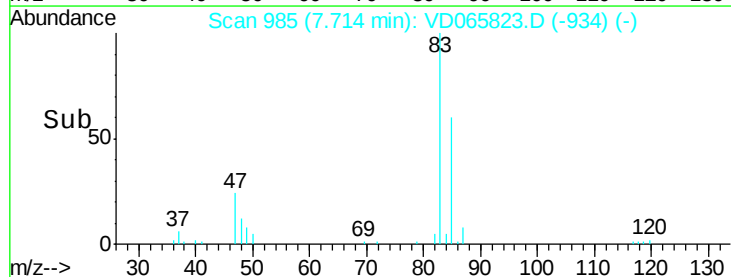
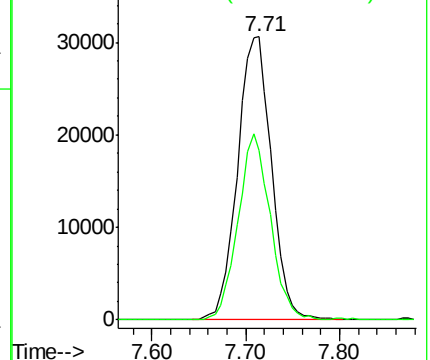
83 100

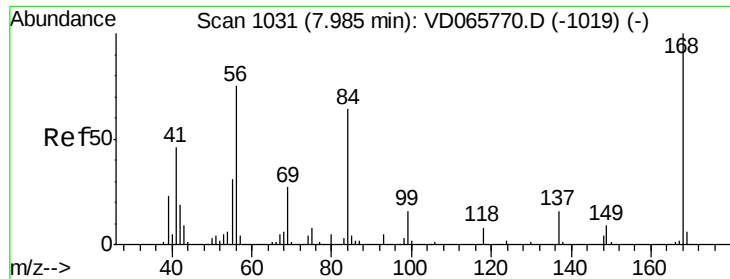
85 59.9 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

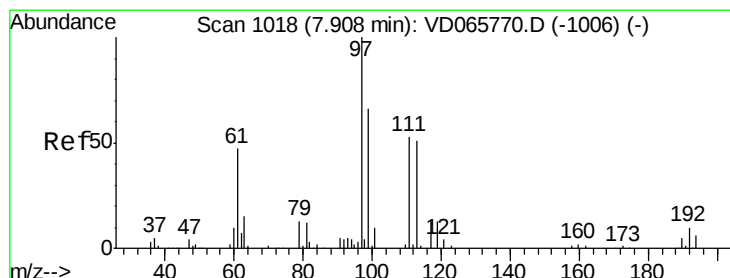
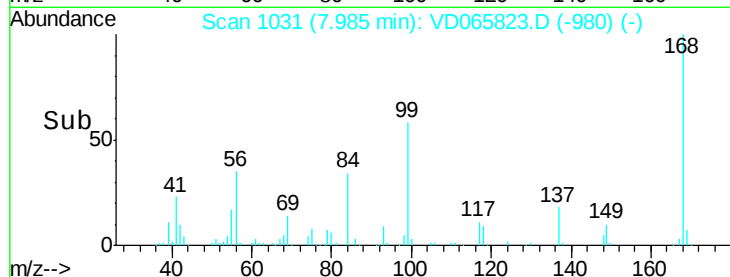
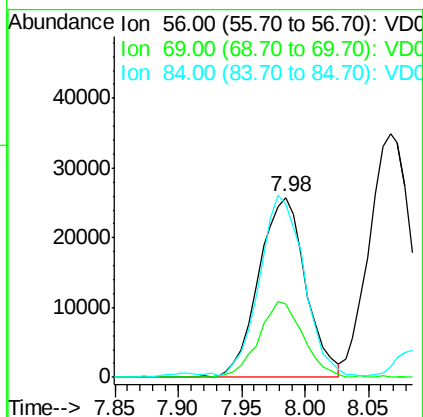
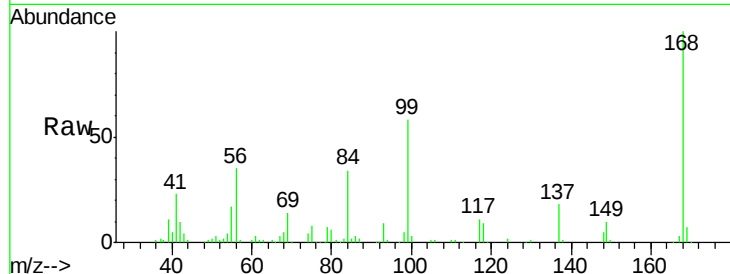




#31
Cyclohexane
Concen: 20.694 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

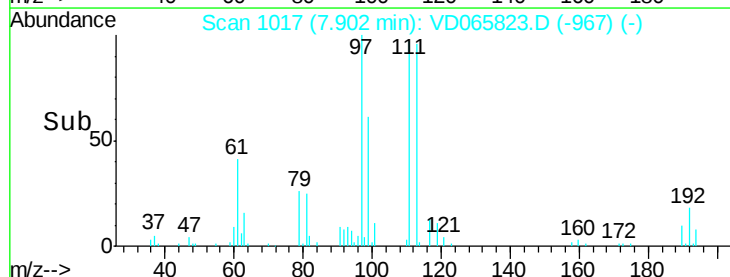
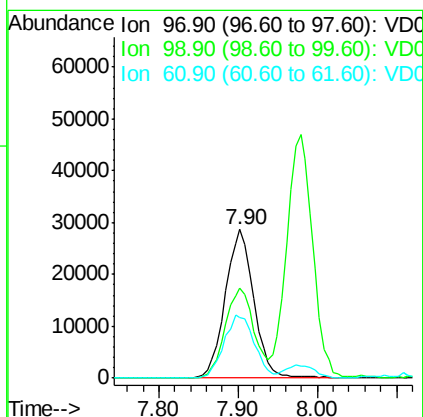
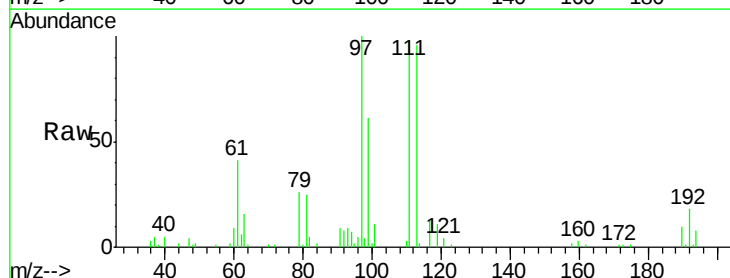
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

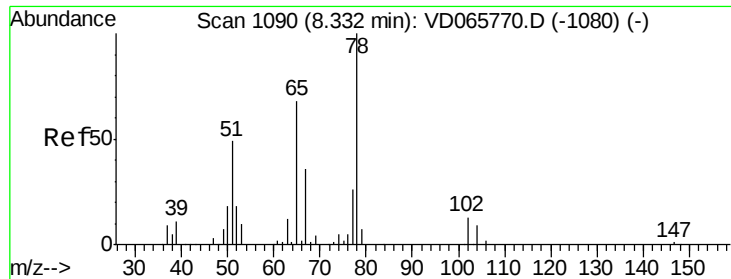
Tot Ion: 56 Resp: 66318
Ion Ratio Lower Upper
56 100
69 41.0 28.5 42.7
84 93.6 68.4 102.6



#32
1,1,1-Trichloroethane
Concen: 22.369 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 97 Resp: 71267
Ion Ratio Lower Upper
97 100
99 61.9 49.2 73.8
61 44.5 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 52.608 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

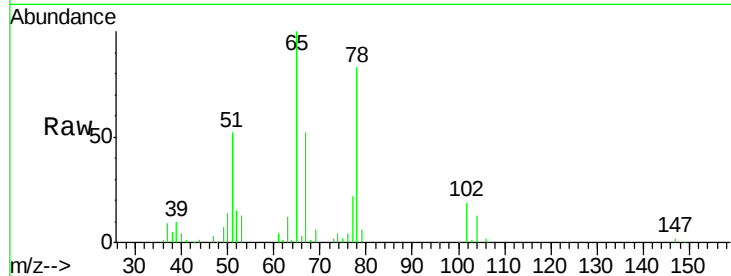
VD0619SBS01

Tot Ion: 65 Resp: 94008

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

40000

30000

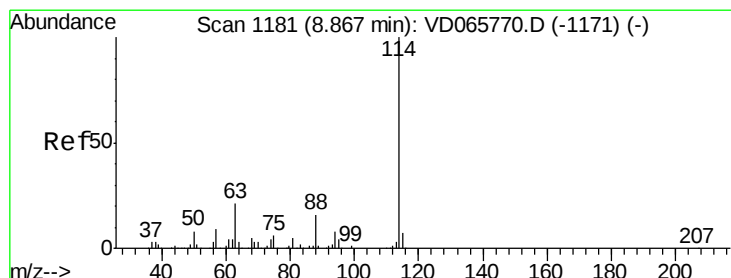
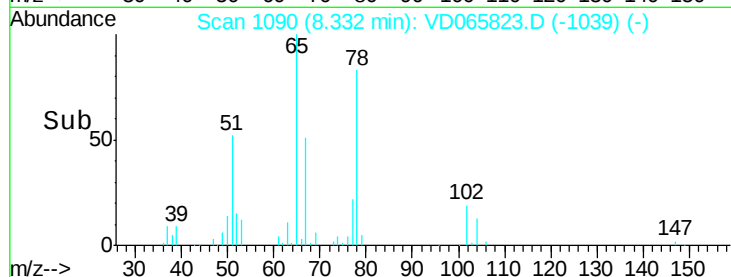
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

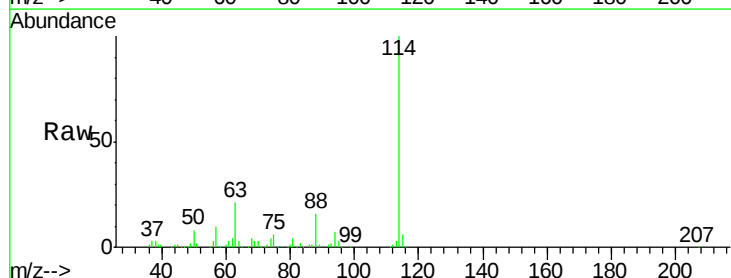
Tgt Ion: 114 Resp: 290945

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.8

88 15.6 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

150000

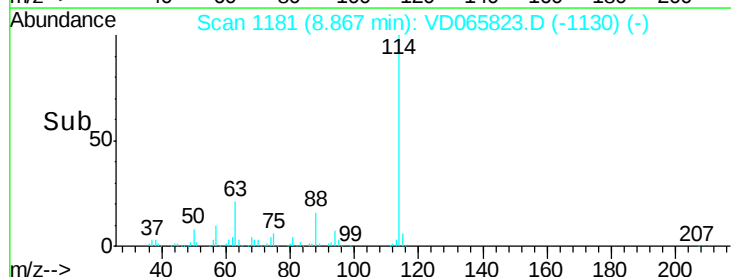
100000

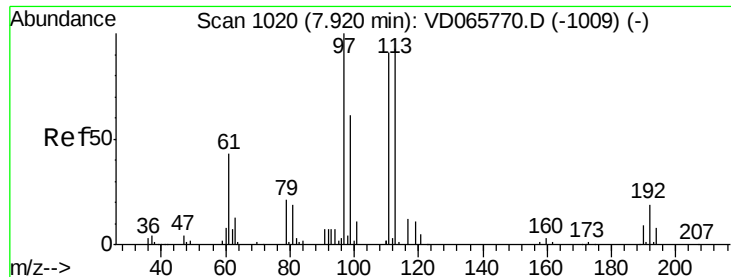
50000

0

8.80 8.90 9.00

Time-->

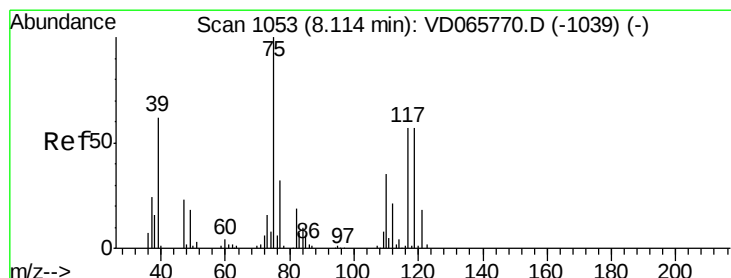
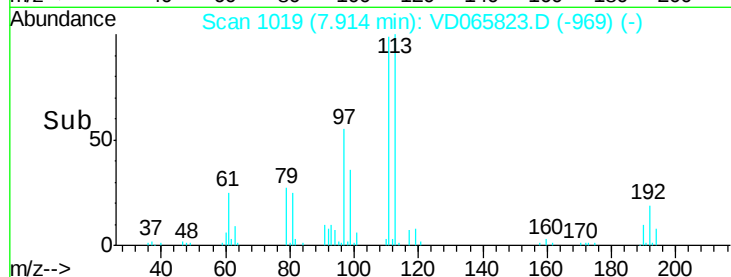
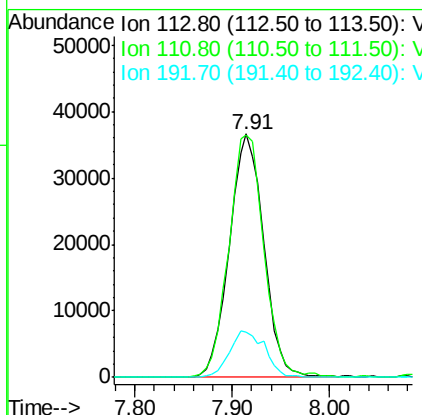
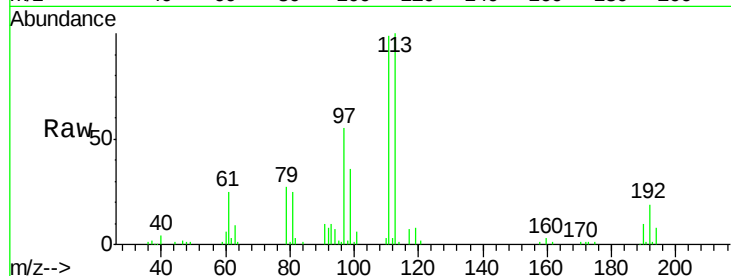




#35
 Dibromofluoromethane
 Concen: 48.788 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065823.D
 Acq: 19 Jun 2020 12:40

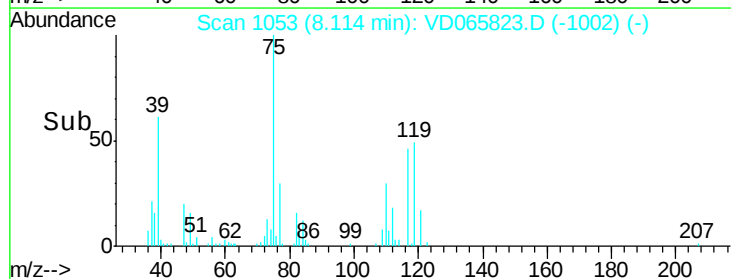
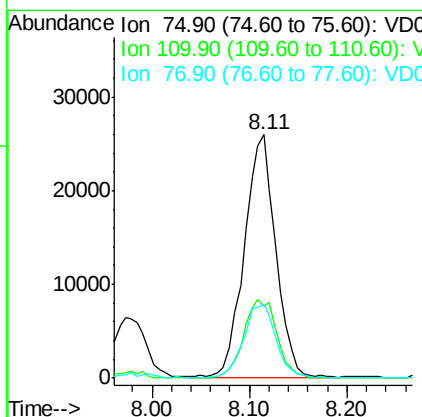
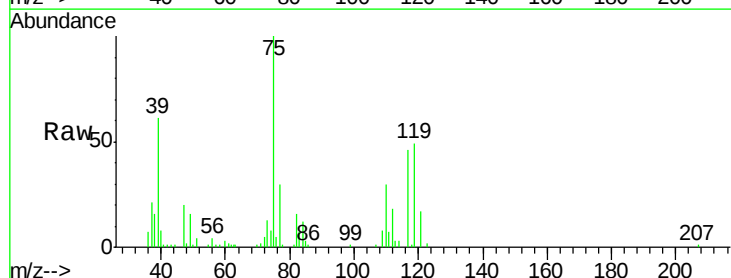
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBS01

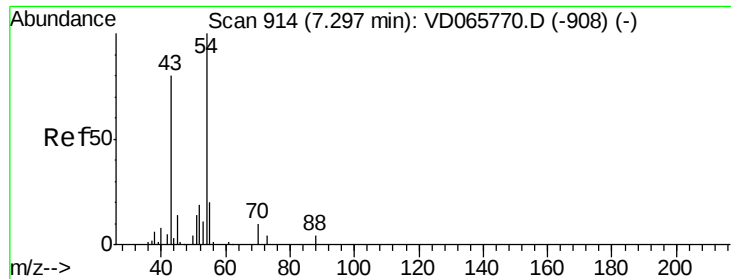
Tot Ion:113 Resp: 89662
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.4 125.0
 192 19.7 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 21.192 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065823.D
 Acq: 19 Jun 2020 12:40

Tgt Ion: 75 Resp: 59063
 Ion Ratio Lower Upper
 75 100
 110 34.0 17.6 52.8
 77 31.2 25.1 37.7

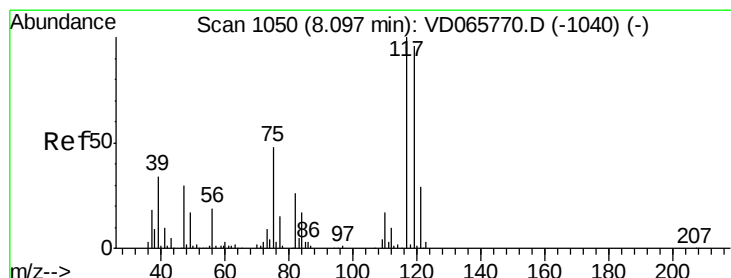
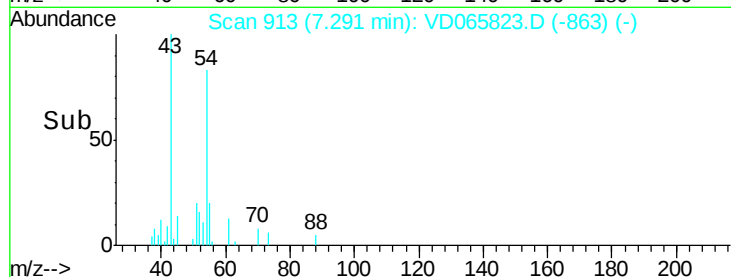
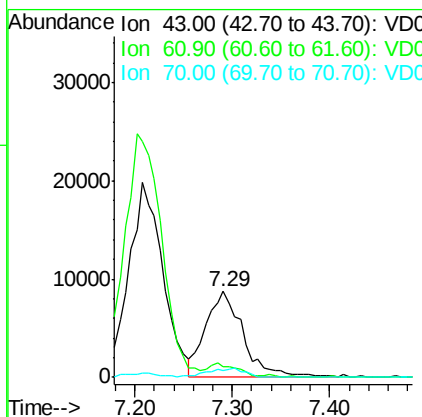
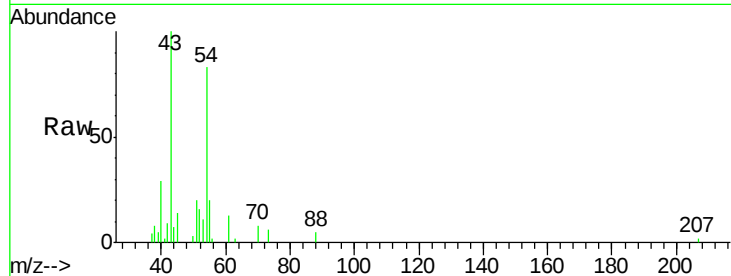




#37
Ethyl Acetate
Concen: 21.368 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

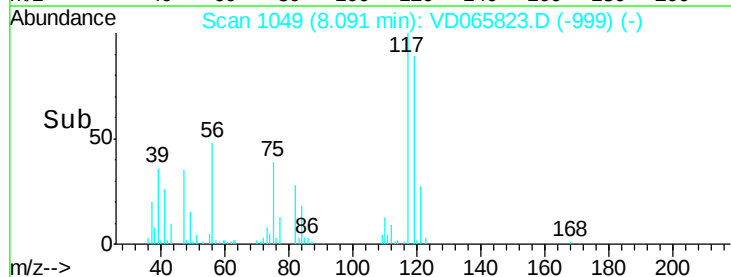
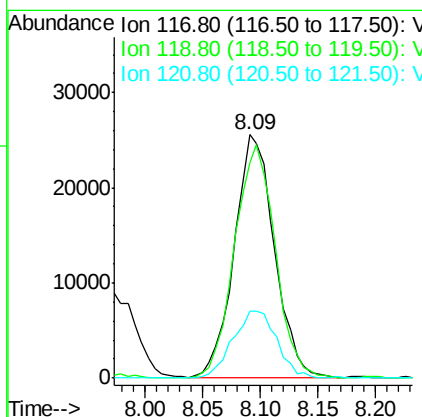
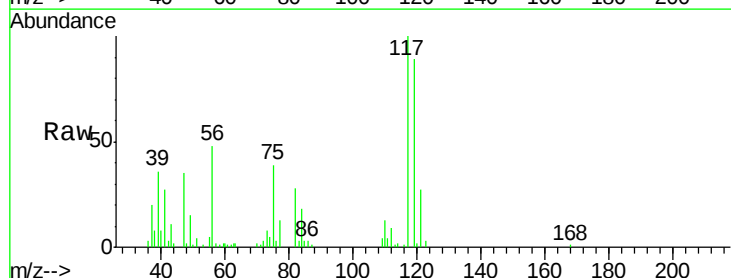
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

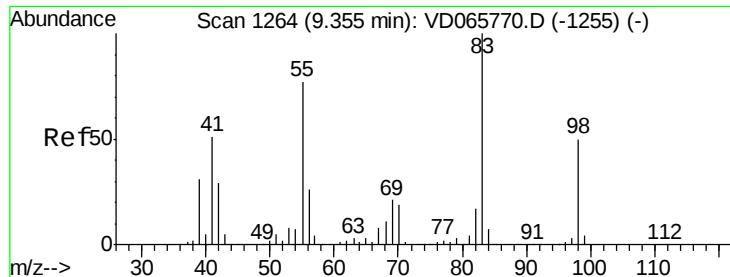
Tot Ion: 43 Resp: 23458
Ion Ratio Lower Upper
43 100
61 13.9 10.6 15.8
70 9.8 7.5 11.3



#38
Carbon Tetrachloride
Concen: 21.188 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 117 Resp: 62148
Ion Ratio Lower Upper
117 100
119 88.7 76.8 115.2
121 27.4 23.4 35.2

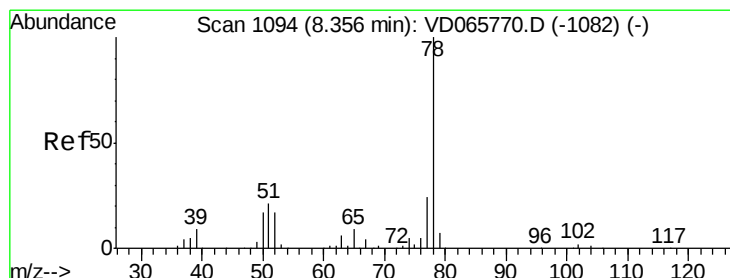
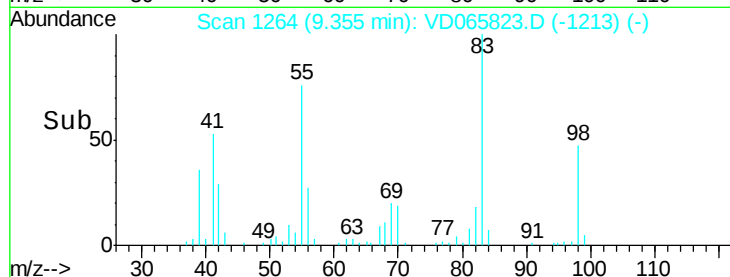
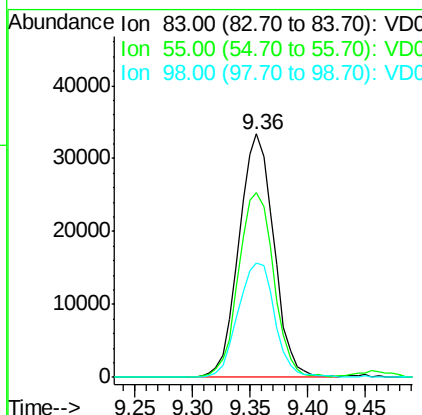
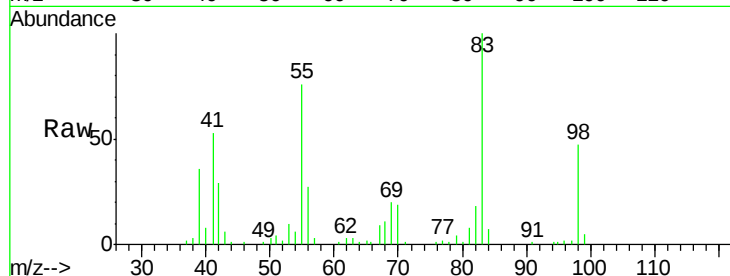




#39
Methvlcvclohexane
Concen: 21.305 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

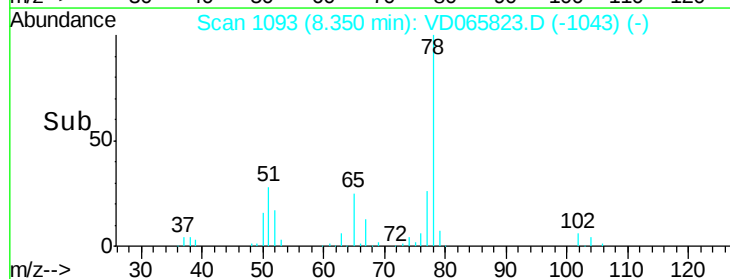
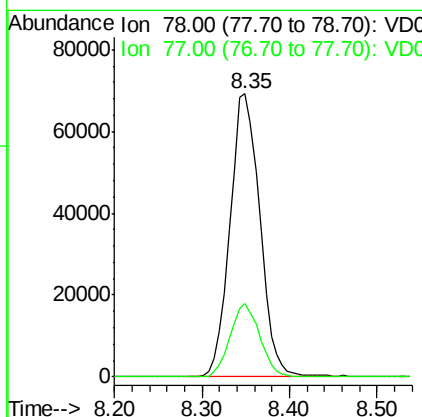
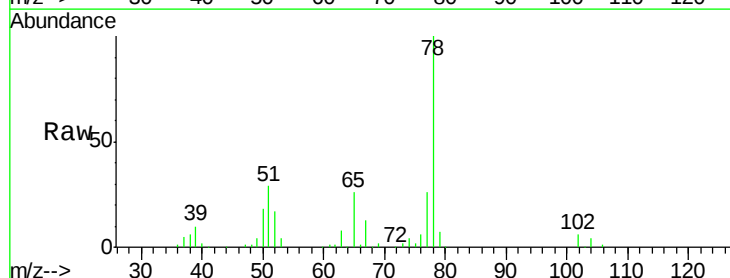
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

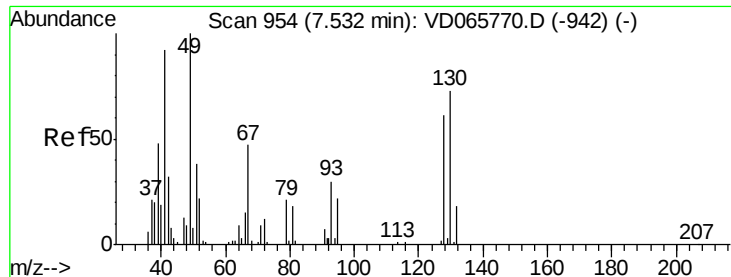
Tot Ion: 83 Resp: 70301
Ion Ratio Lower Upper
83 100
55 75.6 61.6 92.4
98 46.8 40.2 60.2



#40
Benzene
Concen: 21.098 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 78 Resp: 160751
Ion Ratio Lower Upper
78 100
77 26.1 19.2 28.8

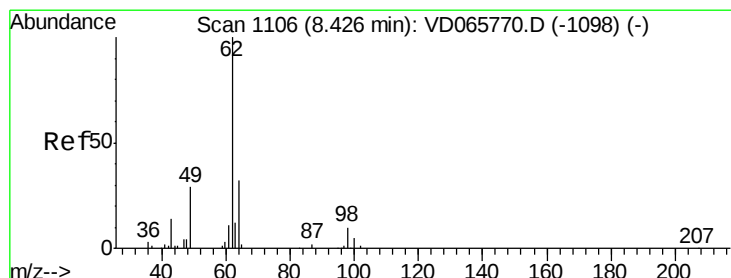
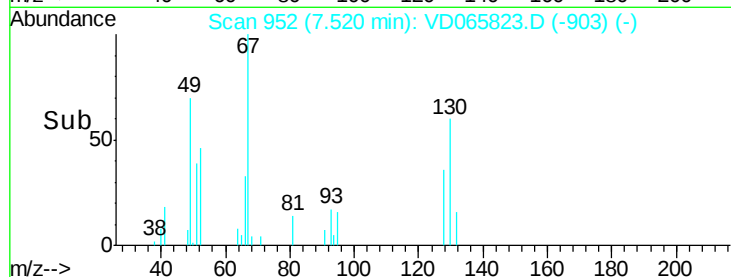
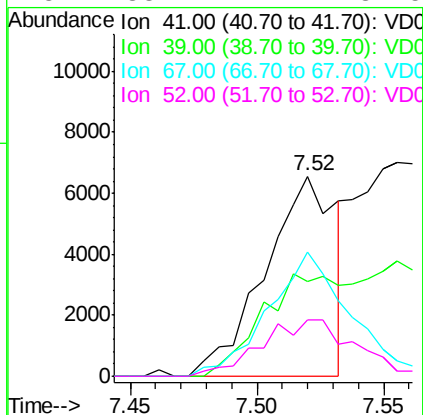
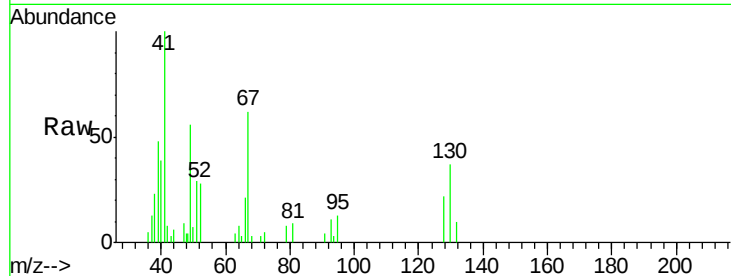




#41
Methacrylonitrile
Concen: 19.550 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

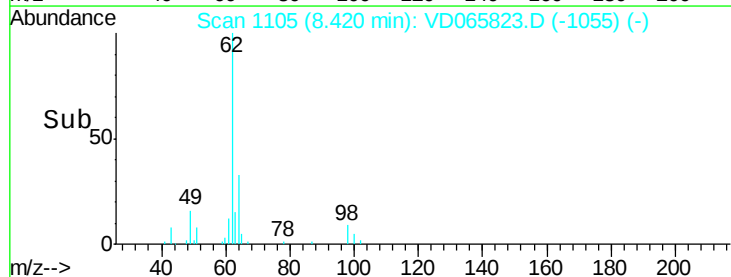
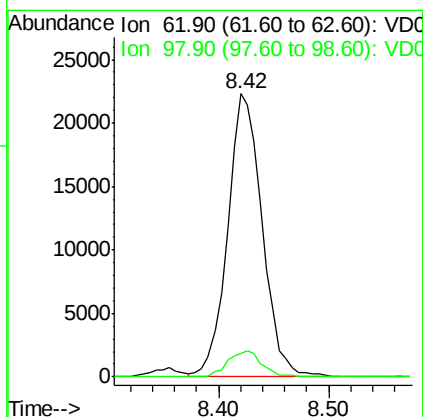
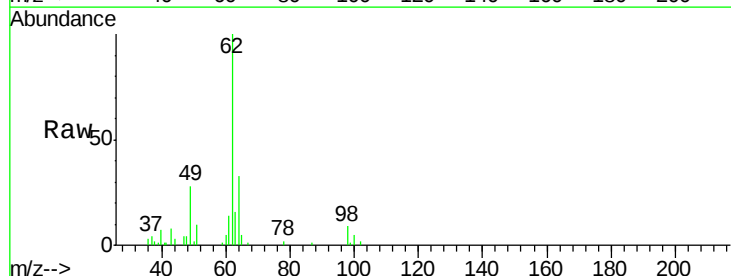
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

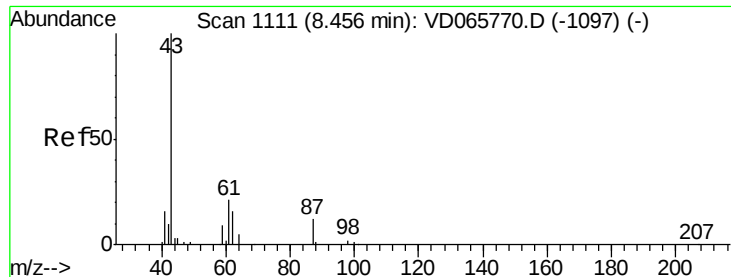
Tot Ion: 41 Resp: 12779
Ion Ratio Lower Upper
41 100
39 54.4 38.3 57.5
67 71.6 49.8 74.6
52 38.1 21.7 32.5#



#42
1,2-Dichloroethane
Concen: 21.232 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 62 Resp: 48811
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.6





#43

Isopropyl Acetate

Concen: 20.034 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

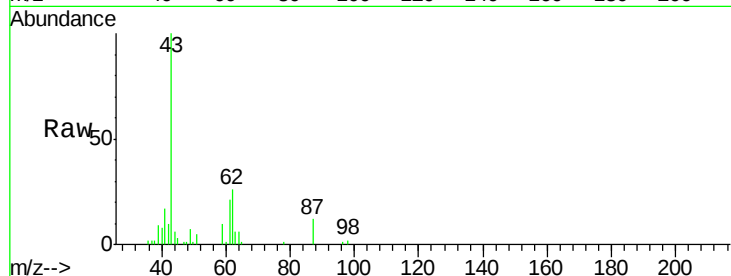
Tot Ion: 43 Resp: 43733

Ion Ratio Lower Upper

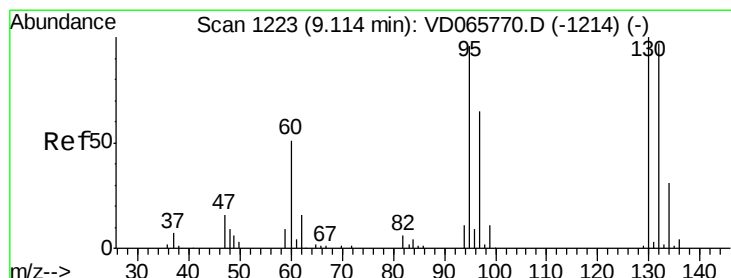
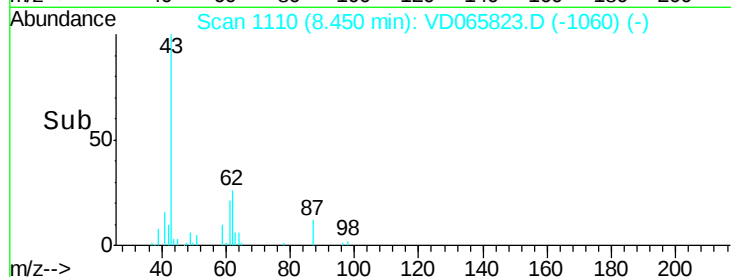
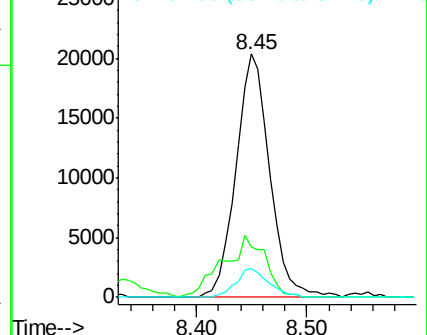
43 100

61 31.3 24.2 36.4

87 11.4 9.5 14.3



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: 21.366 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065823.D

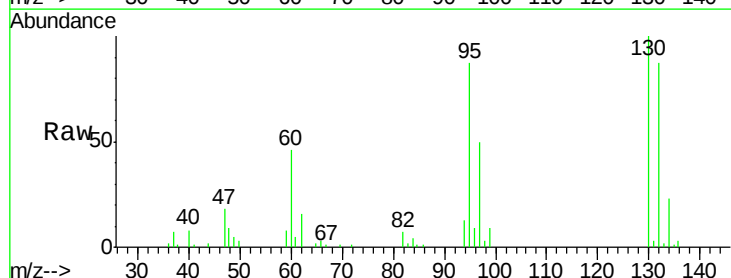
Acq: 19 Jun 2020 12:40

Tgt Ion: 130 Resp: 45304

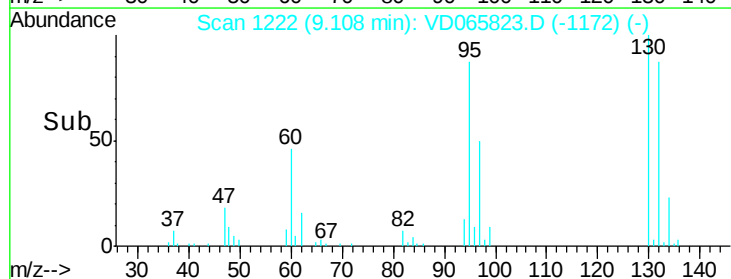
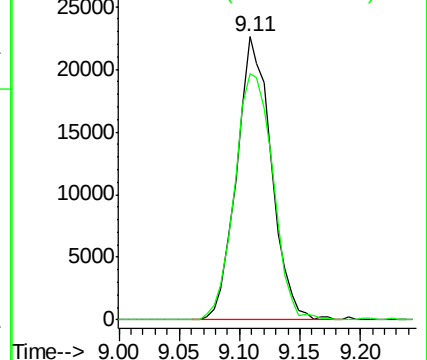
Ion Ratio Lower Upper

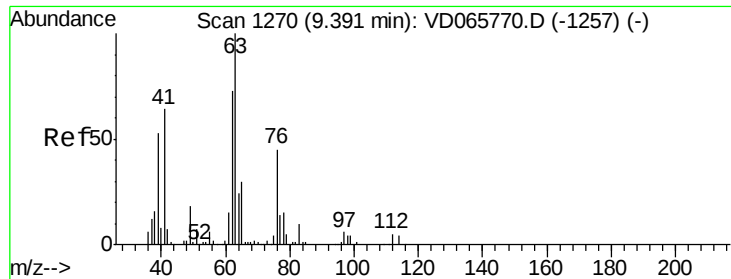
130 100

95 86.8 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.476 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

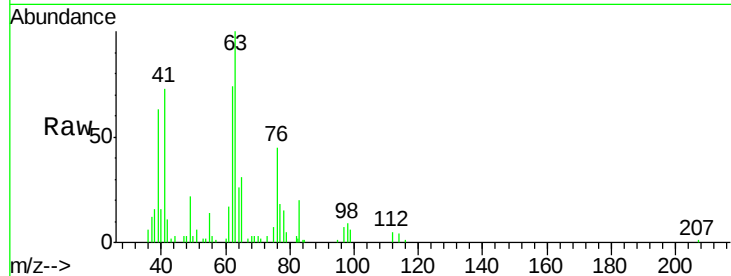
VD0619SBS01

Tot Ion: 63 Resp: 39200

Ion Ratio Lower Upper

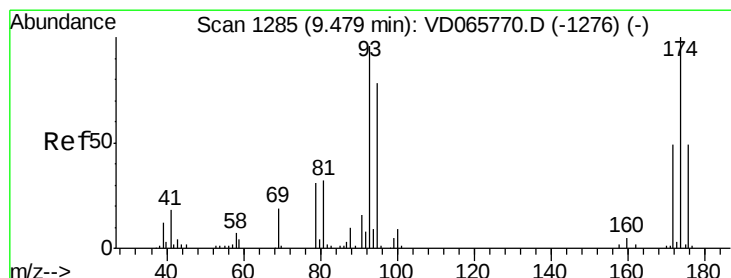
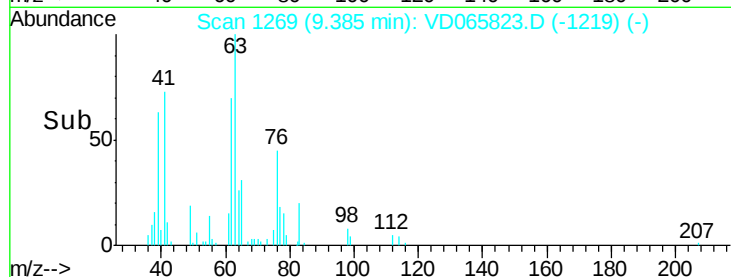
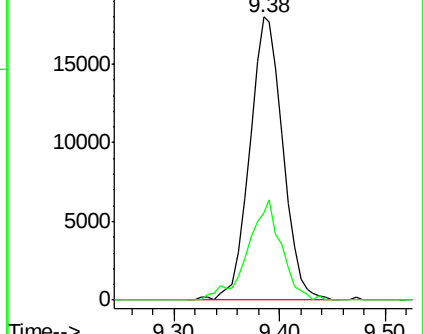
63 100

65 30.9 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.793 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

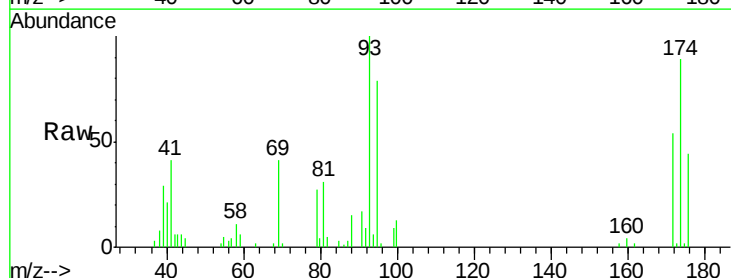
Tgt Ion: 93 Resp: 21589

Ion Ratio Lower Upper

93 100

95 79.5 65.8 98.6

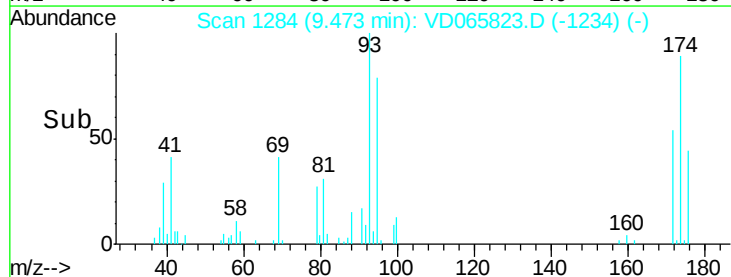
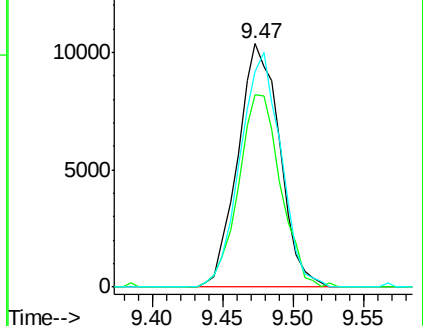
174 93.8 80.9 121.3

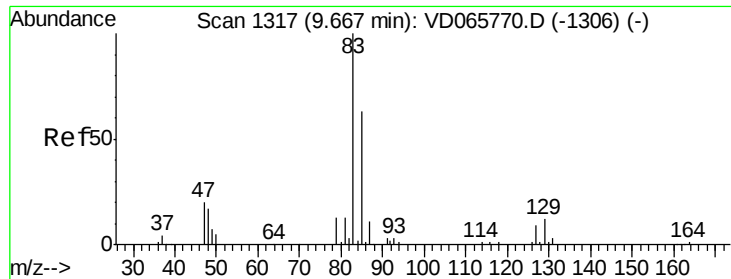


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.869 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

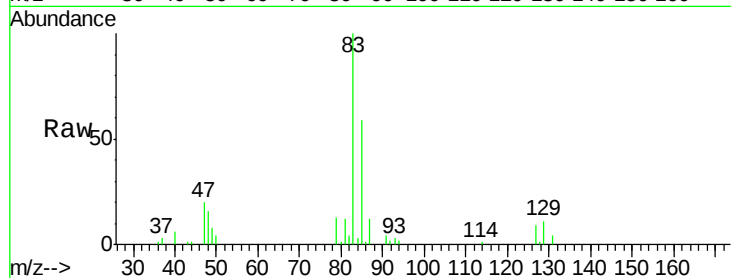
Tot Ion: 83 Resp: 58066

Ion Ratio Lower Upper

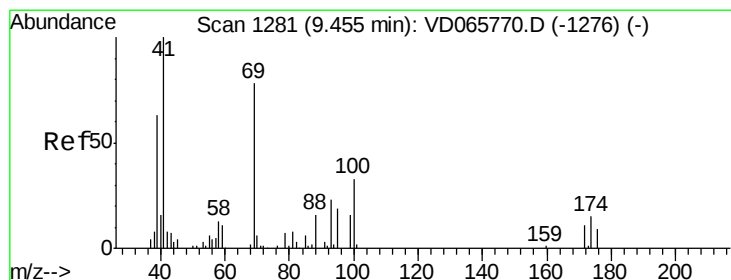
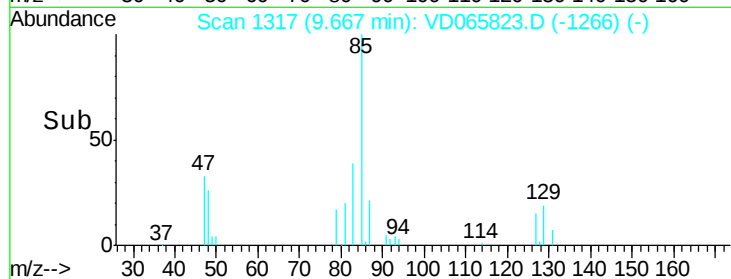
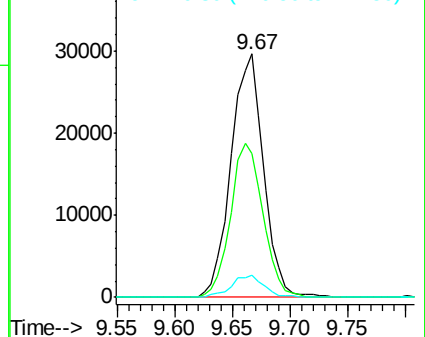
83 100

85 59.2 50.7 76.1

127 9.0 7.1 10.7



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



#48

Methyl methacrylate

Concen: 21.137 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

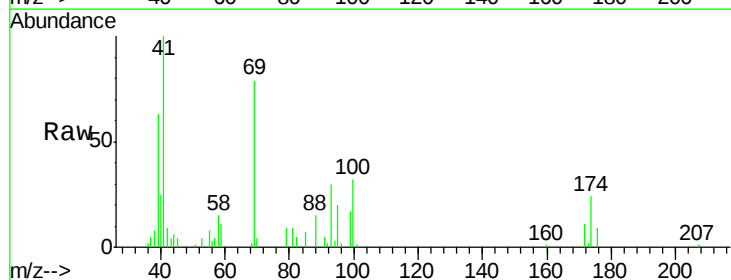
Tgt Ion: 41 Resp: 22335

Ion Ratio Lower Upper

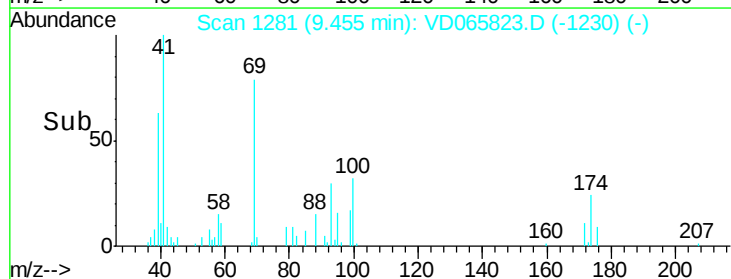
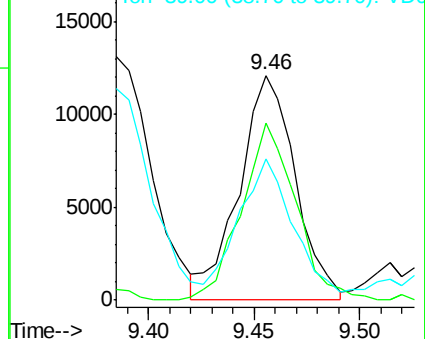
41 100

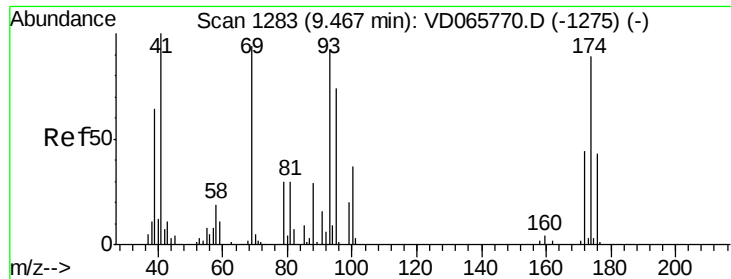
69 76.5 60.9 91.3

39 54.3 48.1 72.1



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

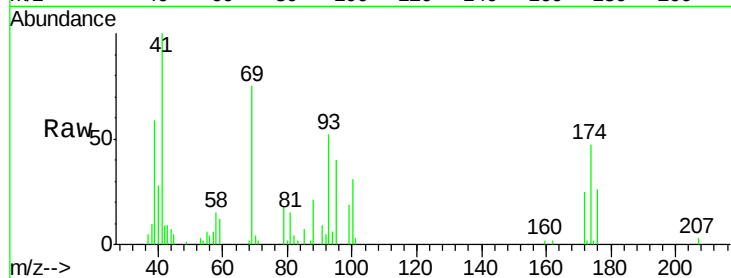




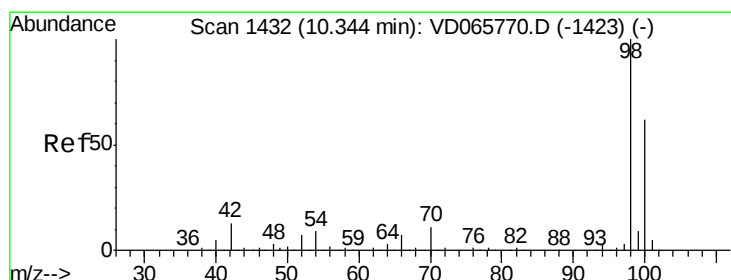
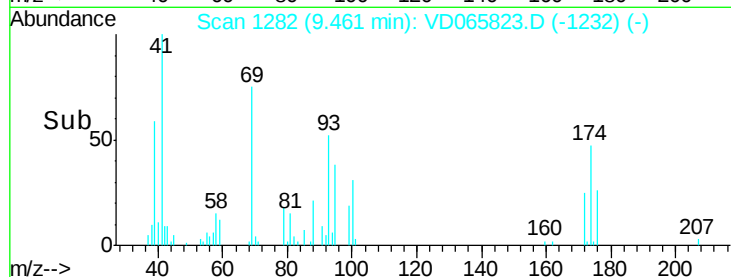
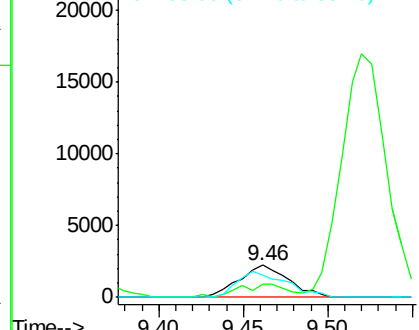
#49
1,4-Dioxane
Concen: 410.350 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

Tot Ion: 88 Resp: 4535
Ion Ratio Lower Upper
88 100
43 42.5 32.2 48.4
58 80.0 54.9 82.3

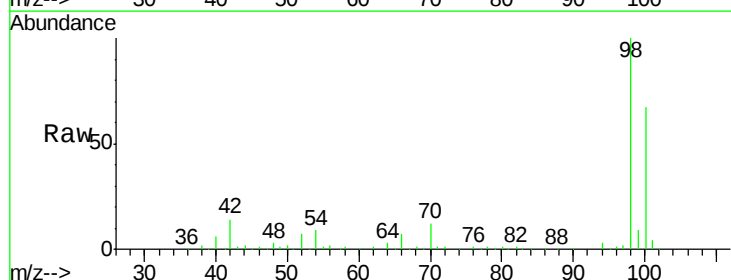


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

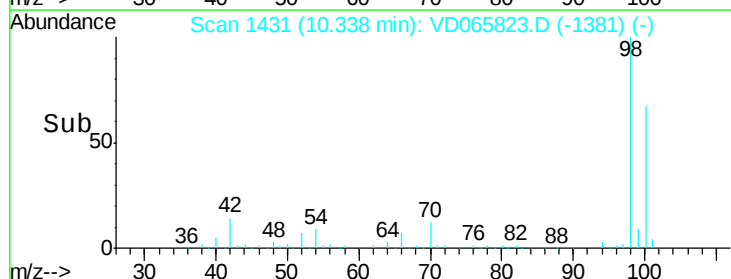
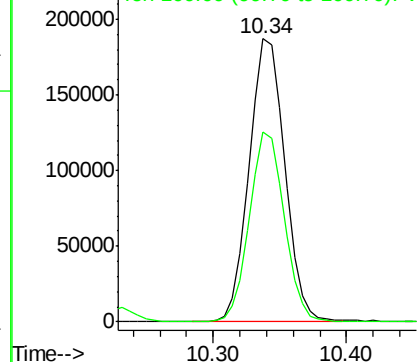


#50
Toluene-d8
Concen: 50.405 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 98 Resp: 345421
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.2



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: 102.287 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

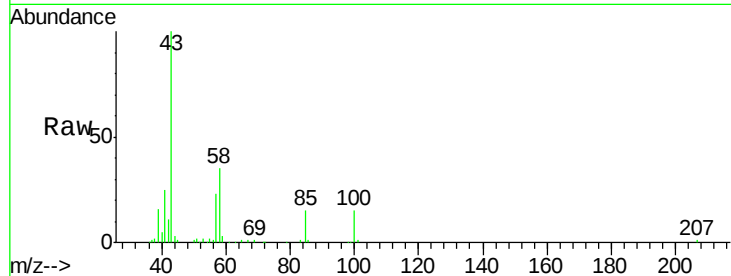
VD0619SBS01

Tot Ion: 43 Resp: 109414

Ion Ratio Lower Upper

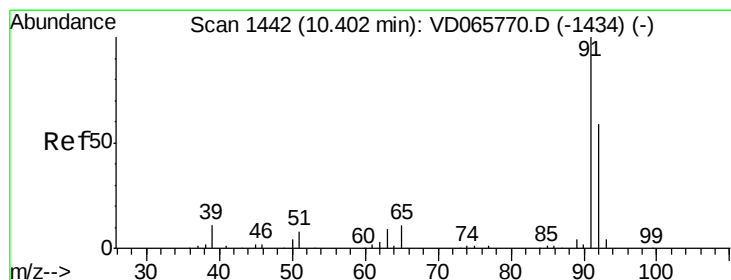
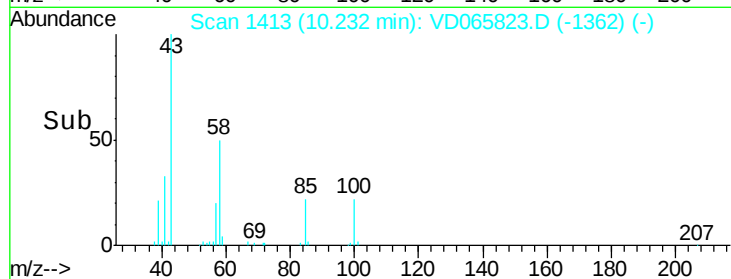
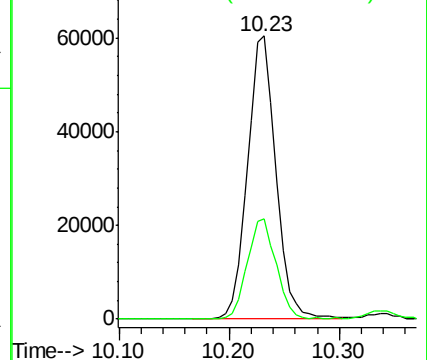
43 100

58 36.2 30.7 46.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.852 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065823.D

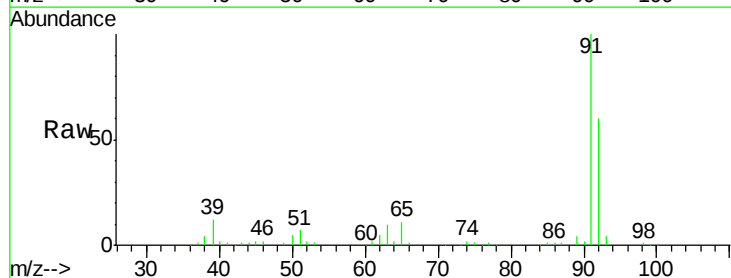
Acq: 19 Jun 2020 12:40

Tgt Ion: 92 Resp: 103231

Ion Ratio Lower Upper

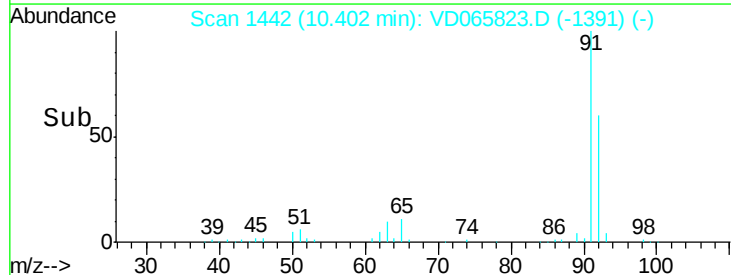
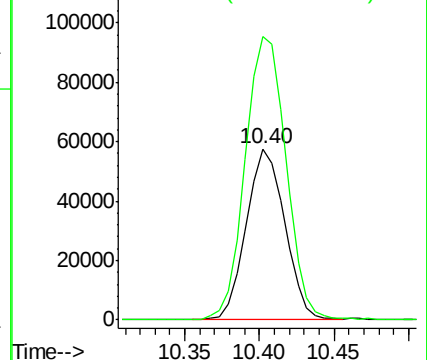
92 100

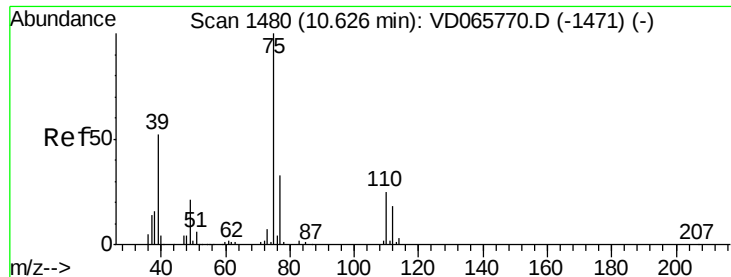
91 175.3 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

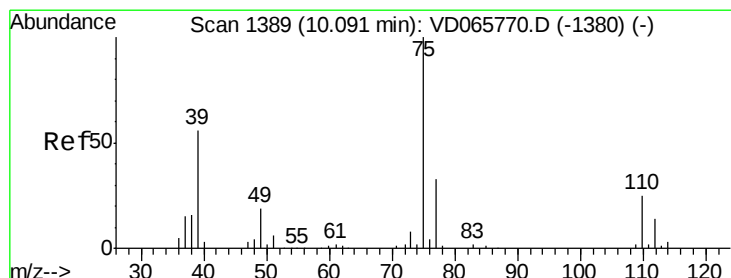
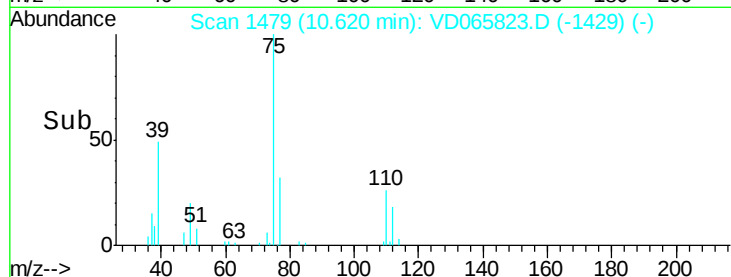
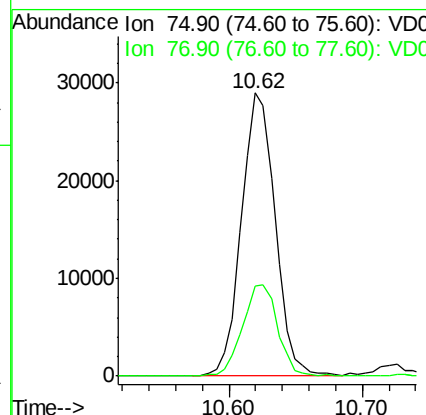
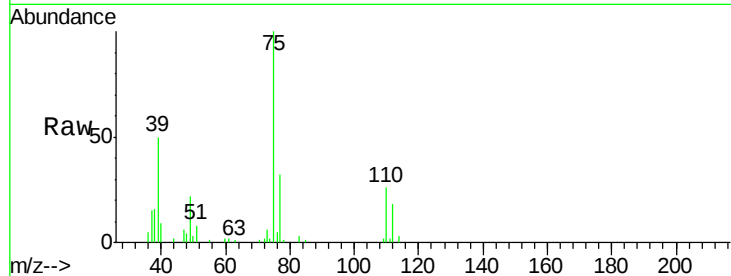




#53
t-1,3-Dichloropropene
Concen: 20.072 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

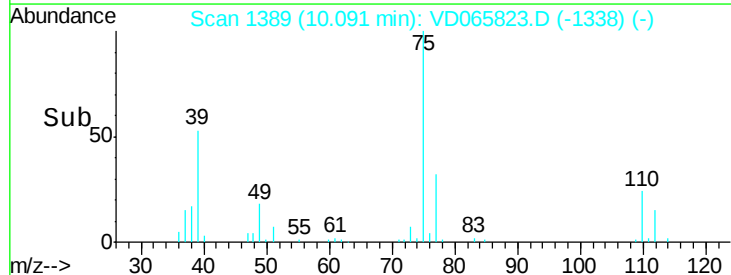
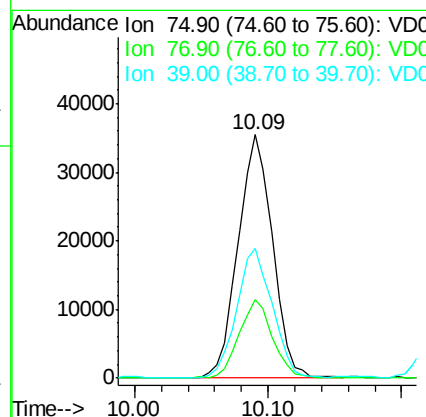
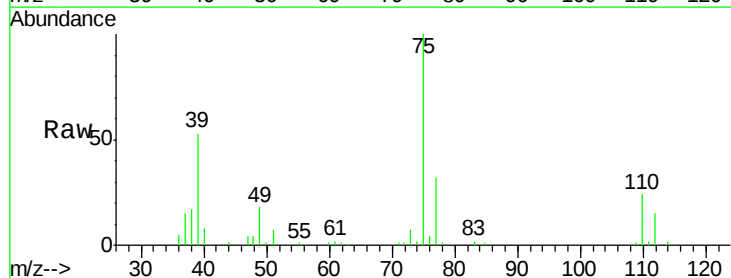
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

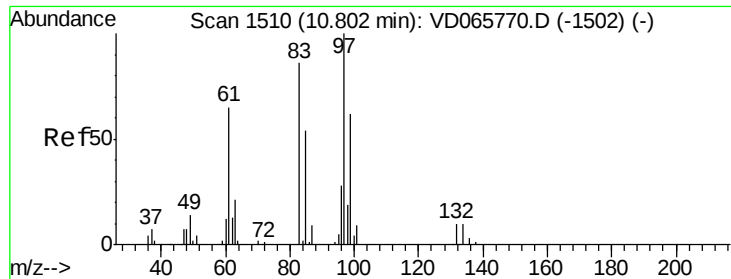
Tot Ion: 75 Resp: 50571
Ion Ratio Lower Upper
75 100
77 31.9 26.4 39.6



#54
cis-1,3-Dichloropropene
Concen: 21.351 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 75 Resp: 63534
Ion Ratio Lower Upper
75 100
77 32.3 26.0 39.0
39 53.2 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 21.555 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

Tot Ion: 97 Resp: 29904

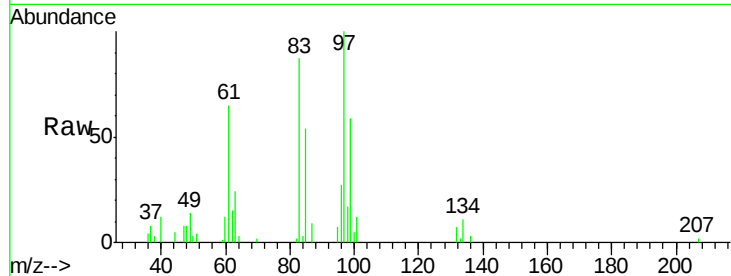
Ion Ratio Lower Upper

97 100

83 86.7 68.7 103.1

85 53.9 43.0 64.6

99 59.0 49.8 74.6

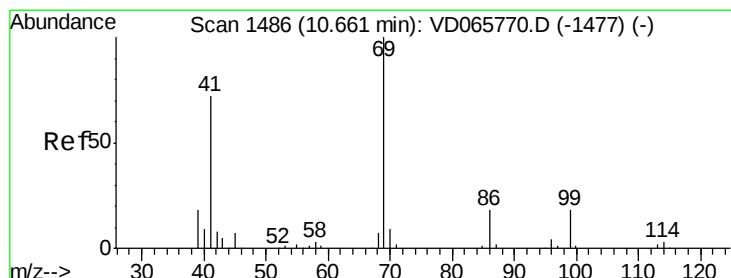
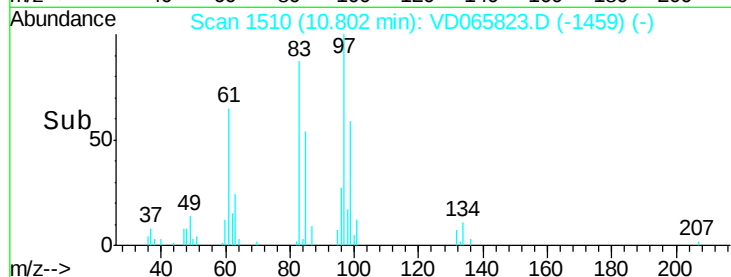
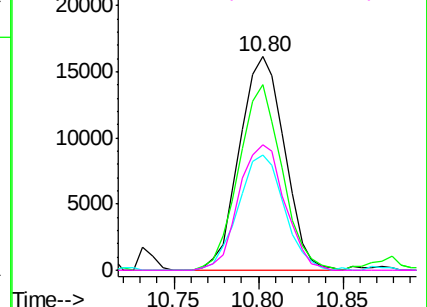


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.132 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

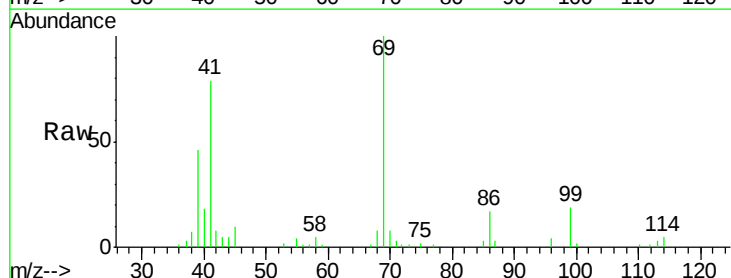
Tgt Ion: 69 Resp: 32852

Ion Ratio Lower Upper

69 100

41 73.1 56.9 85.3

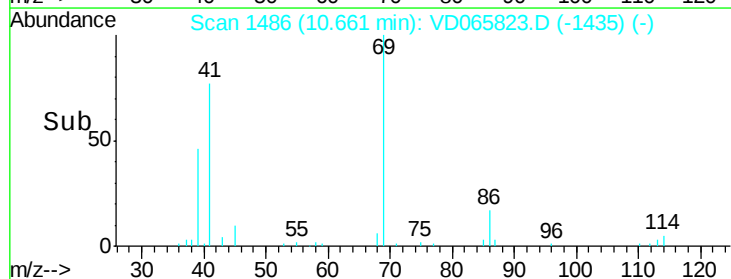
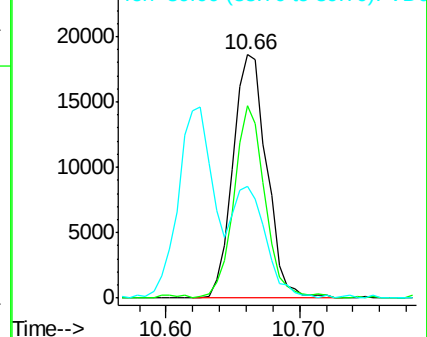
39 45.4 36.0 54.0

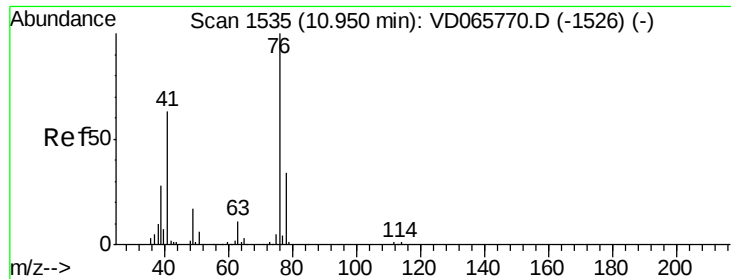


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

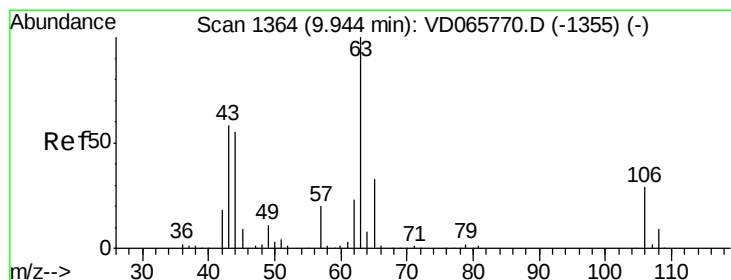
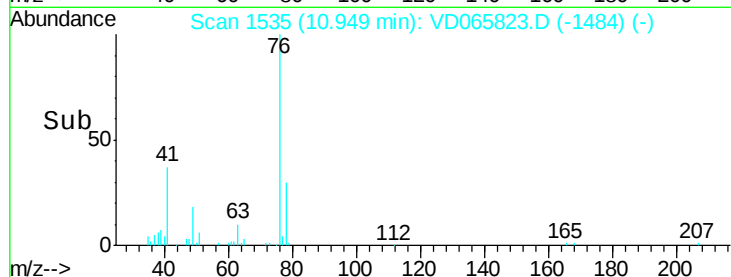
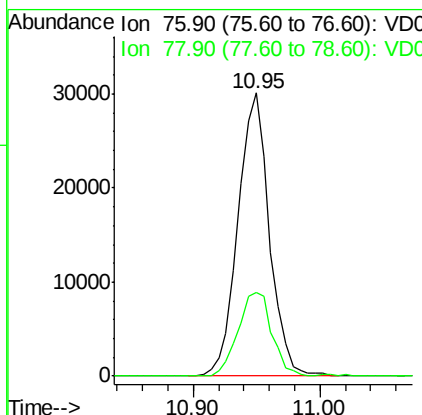
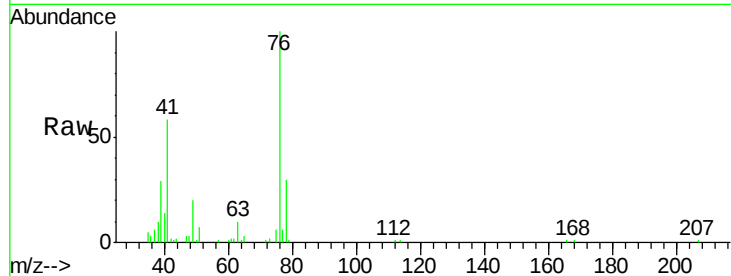




#57
 1,3-Dichloropropane
 Concen: 21.505 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065823.D
 Acq: 19 Jun 2020 12:40

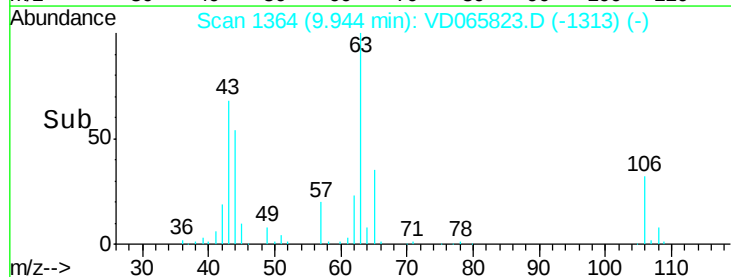
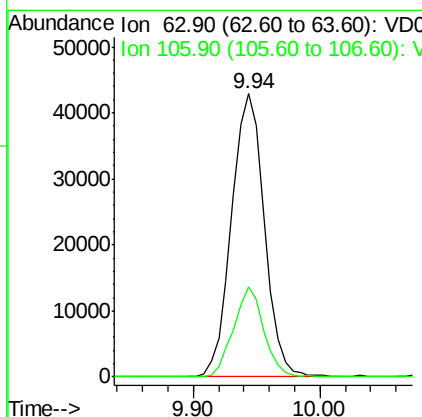
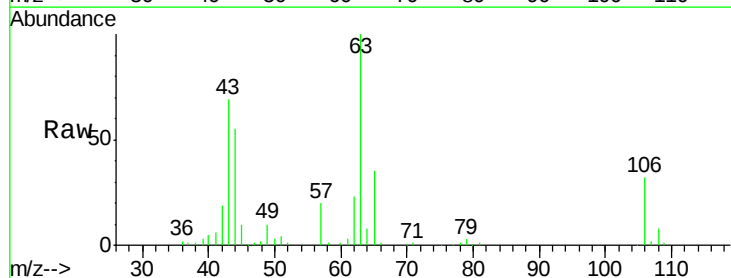
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBS01

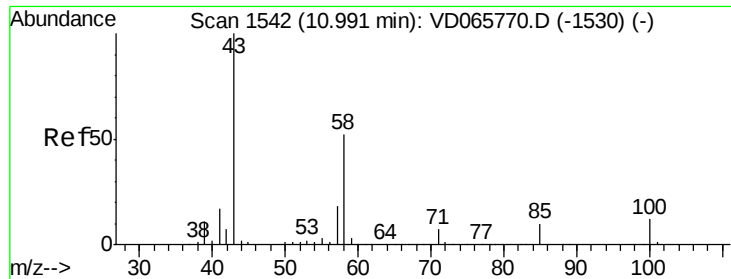
Tot Ion: 76 Resp: 51689
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.037 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065823.D
 Acq: 19 Jun 2020 12:40

Tgt Ion: 63 Resp: 76652
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.2 34.8





#59

2-Hexanone

Concen: 105.342 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

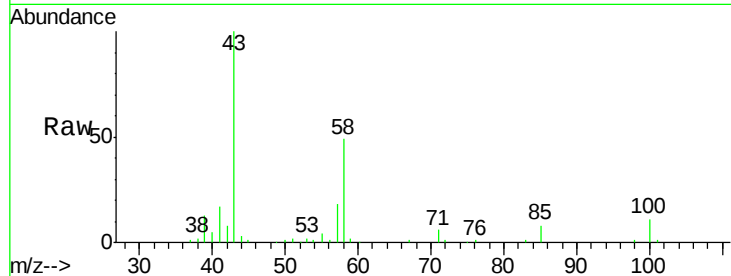
VD0619SBS01

Tot Ion: 43 Resp: 75969

Ion Ratio Lower Upper

43 100

58 50.7 25.7 77.0

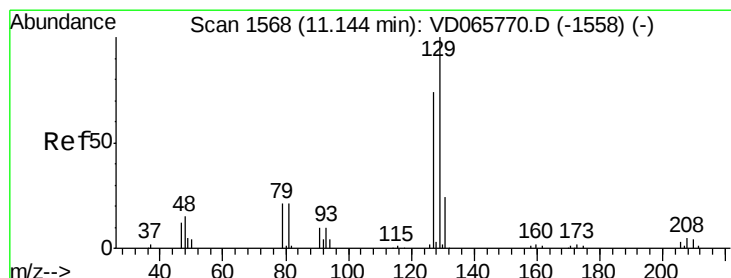
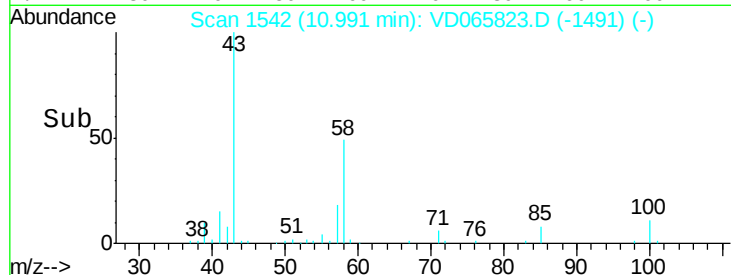


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.99

Time-->



#60

Dibromochloromethane

Concen: 20.339 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VD065823.D

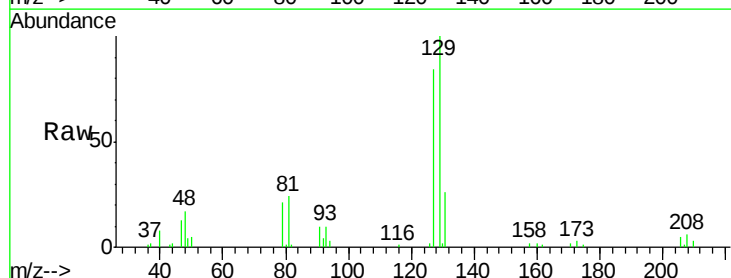
Acq: 19 Jun 2020 12:40

Tgt Ion: 129 Resp: 38119

Ion Ratio Lower Upper

129 100

127 76.5 38.0 113.9

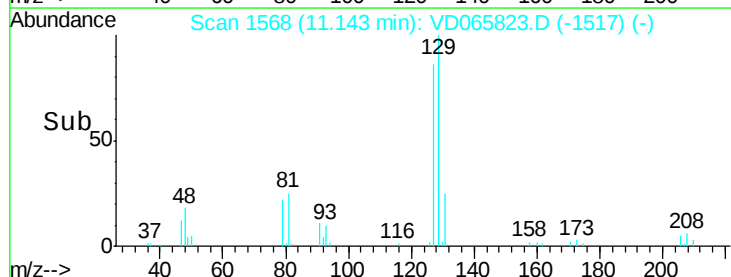


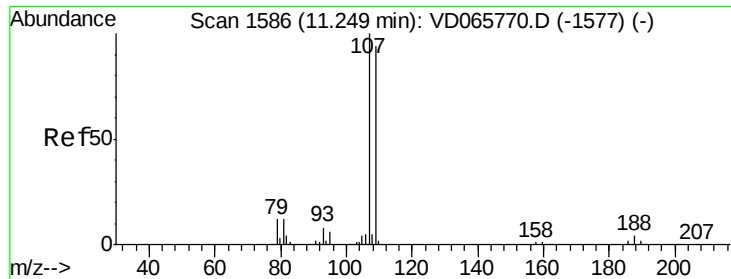
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.14

Time-->





#61

1,2-Dibromoethane

Concen: 19.992 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

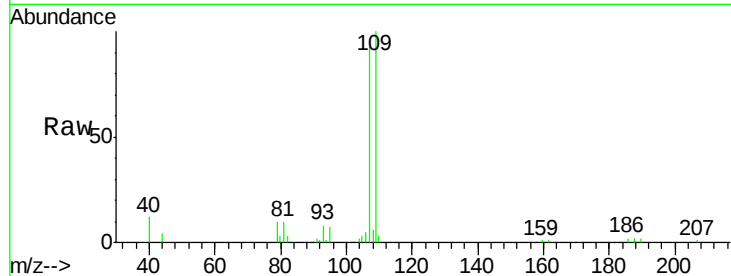
VD0619SBS01

Tot Ion:107 Resp: 27258

Ion Ratio Lower Upper

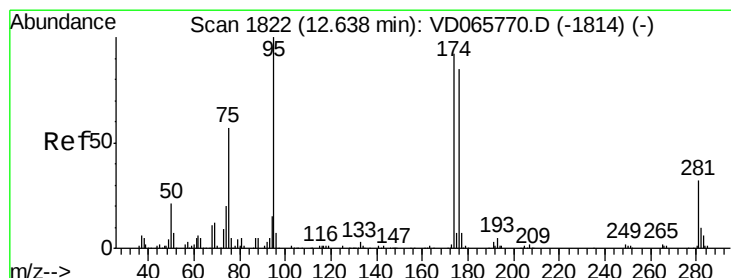
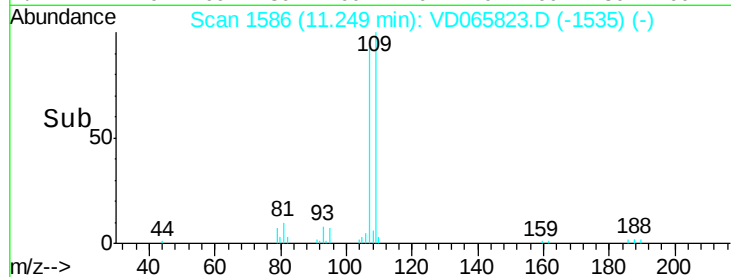
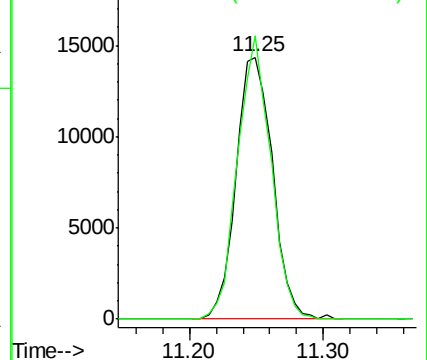
107 100

109 98.5 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.744 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

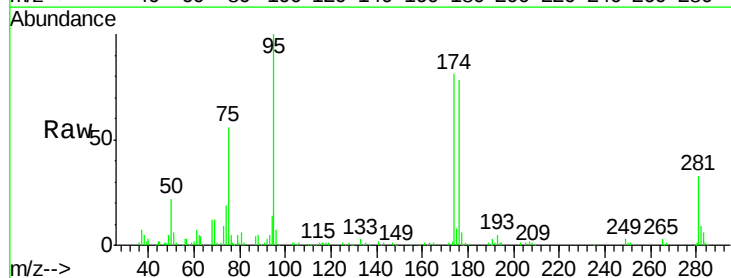
Tgt Ion: 95 Resp: 117931

Ion Ratio Lower Upper

95 100

174 81.6 0.0 175.2

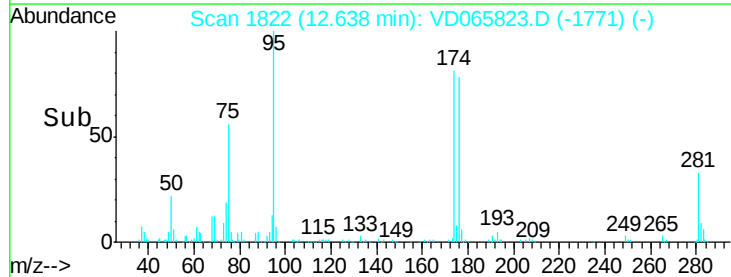
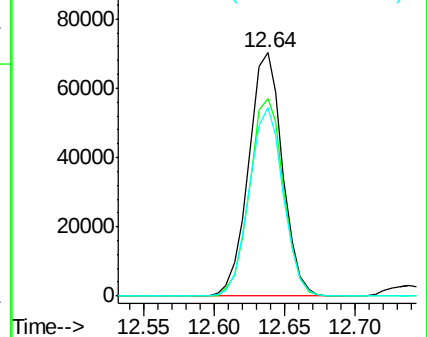
176 78.1 0.0 163.0

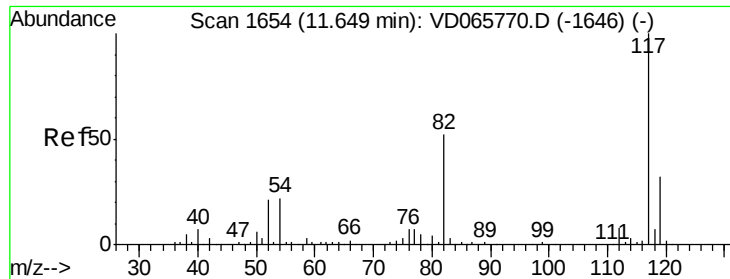


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

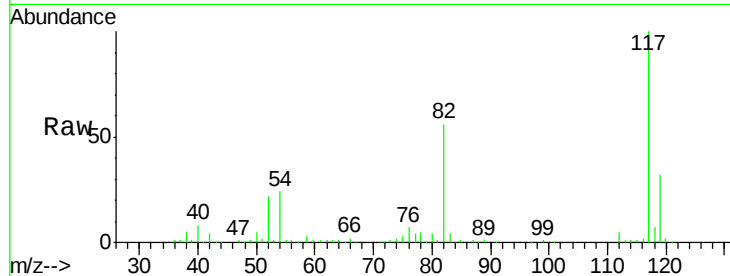




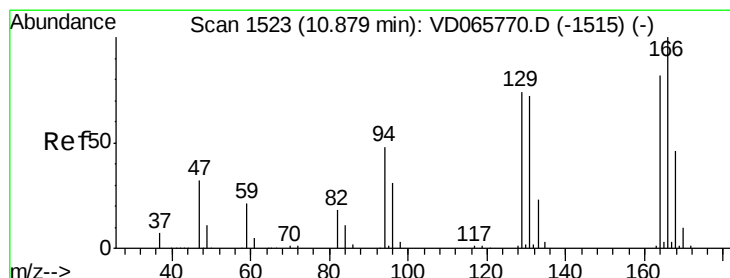
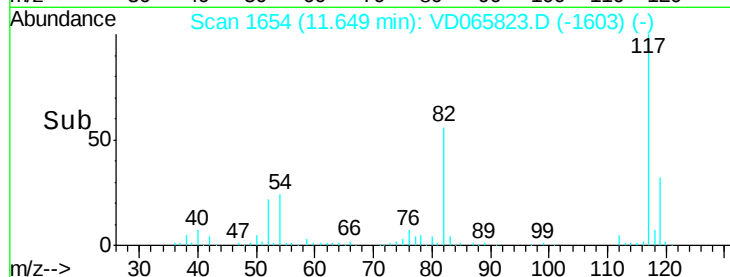
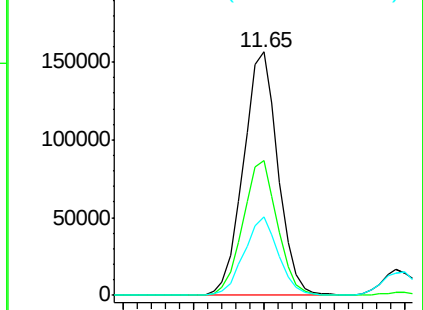
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

Tot Ion:117 Resp: 267609
Ion Ratio Lower Upper
117 100
82 55.6 41.9 62.9
119 32.1 25.3 37.9

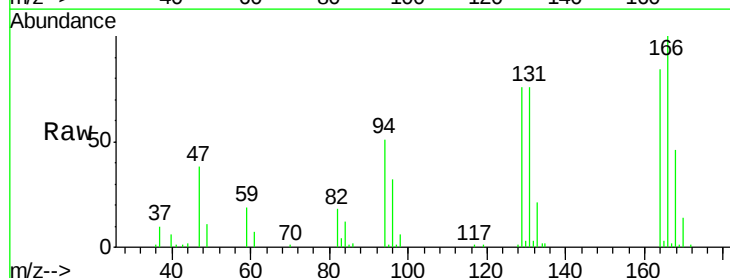


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

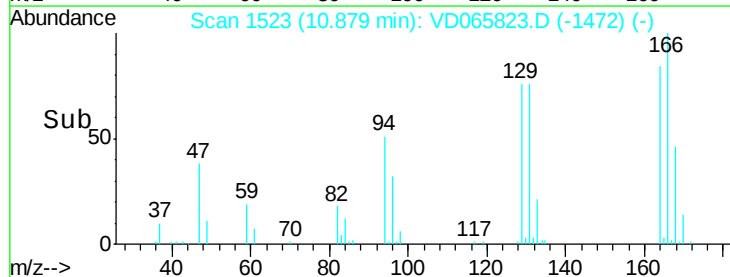
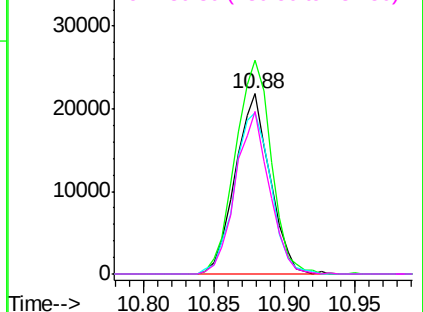


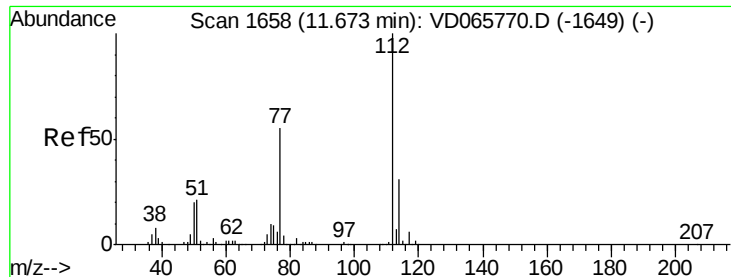
#64
Tetrachloroethene
Concen: 20.792 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion:164 Resp: 37625
Ion Ratio Lower Upper
164 100
166 118.5 98.2 147.2
129 89.7 72.3 108.5
131 90.3 70.5 105.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

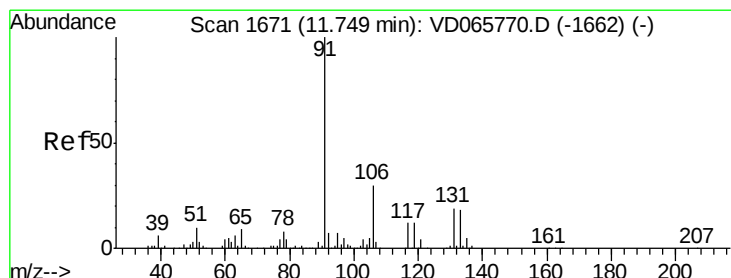
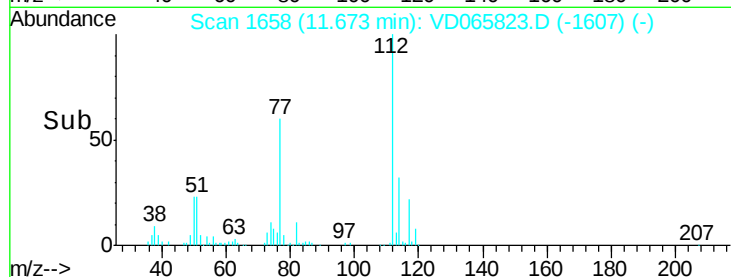
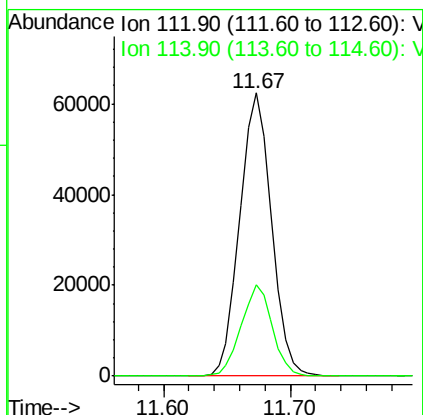
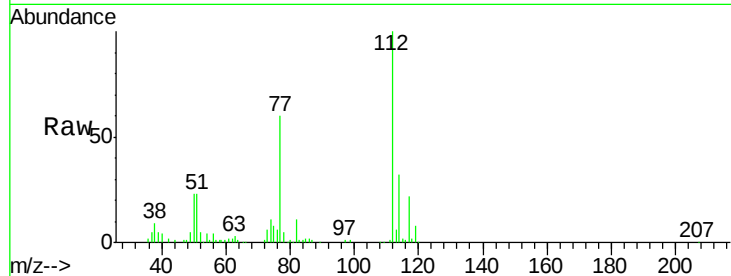




#65
Chlorobenzene
Concen: 20.802 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

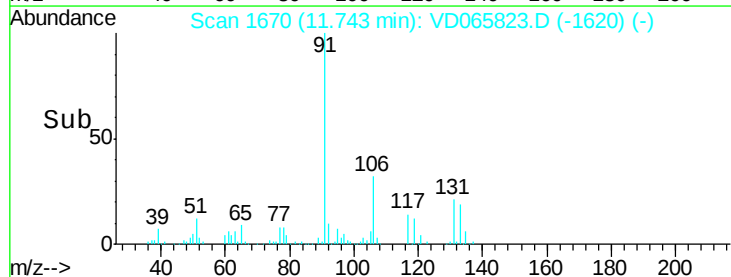
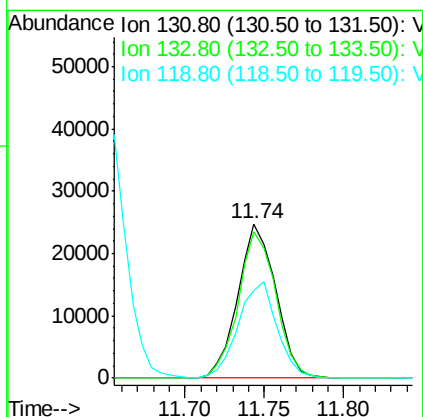
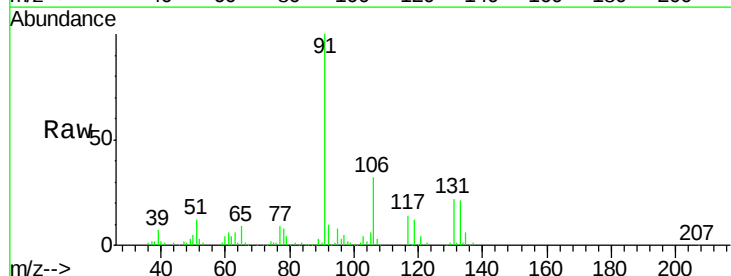
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

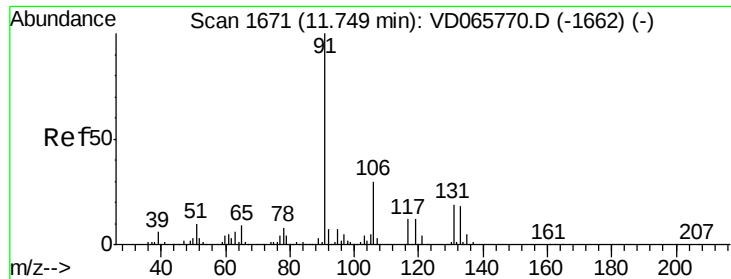
Tot Ion:112 Resp: 108678
Ion Ratio Lower Upper
112 100
114 32.1 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.151 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion:131 Resp: 41190
Ion Ratio Lower Upper
131 100
133 94.1 47.3 141.9
119 63.4 31.6 94.8





#67

Ethyl Benzene

Concen: 21.290 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

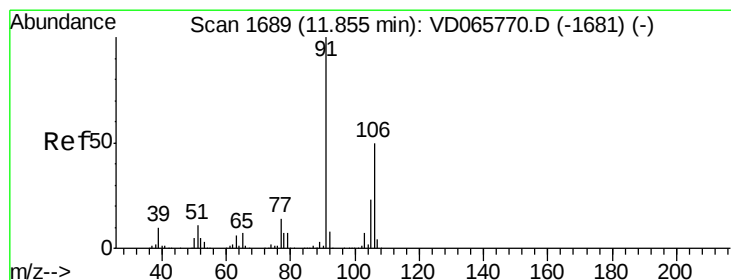
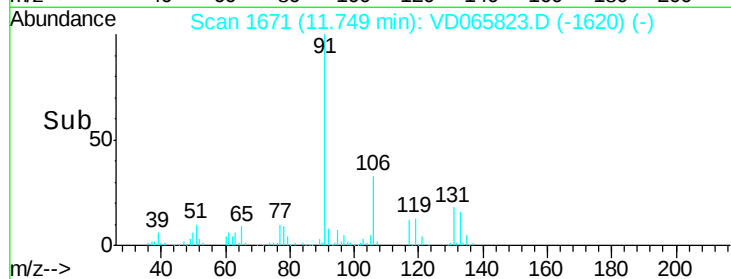
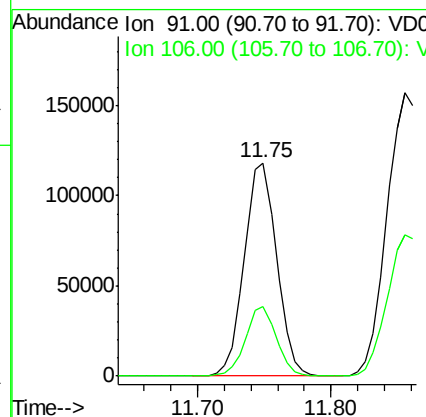
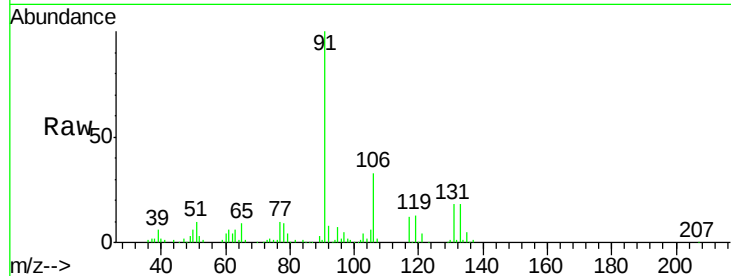
VD0619SBS01

Tot Ion: 91 Resp: 198700

Ion Ratio Lower Upper

91 100

106 32.9 24.1 36.1



#68

m/p-Xylenes

Concen: 42.693 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065823.D

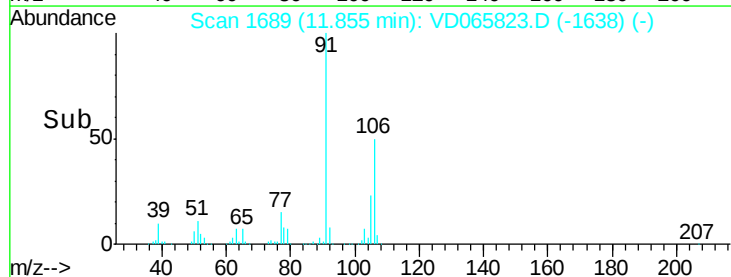
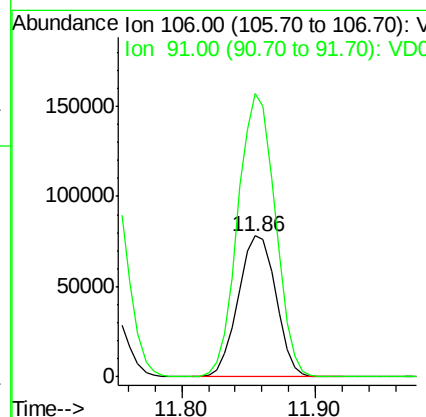
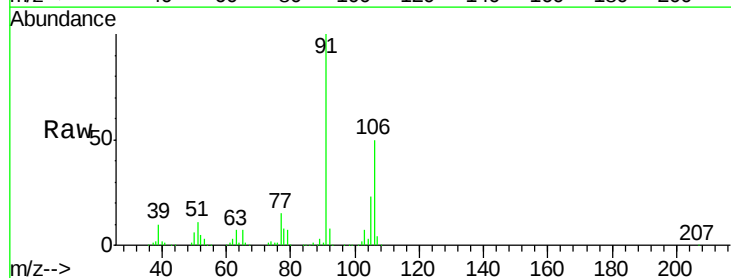
Acq: 19 Jun 2020 12:40

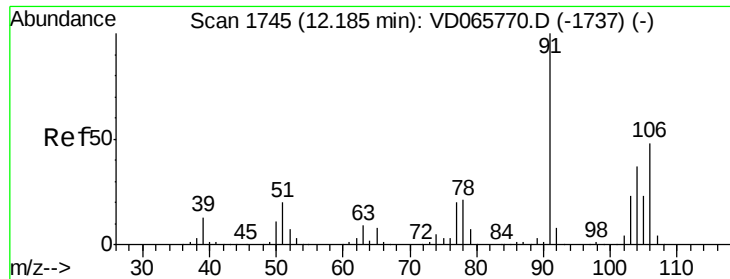
Tgt Ion: 106 Resp: 153476

Ion Ratio Lower Upper

106 100

91 198.6 159.4 239.2

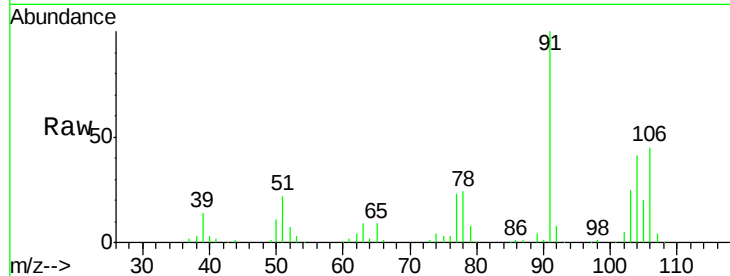




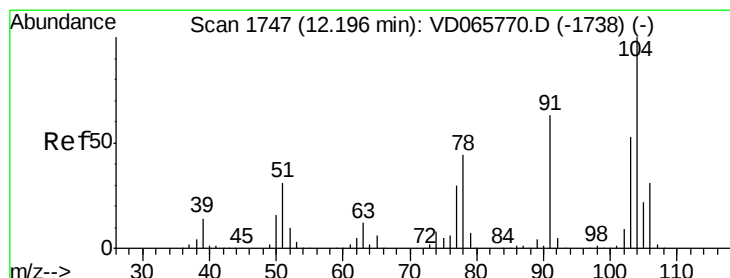
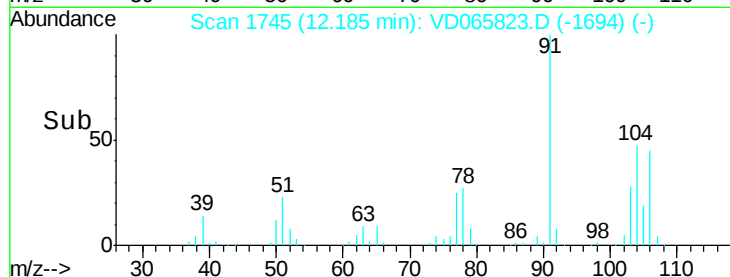
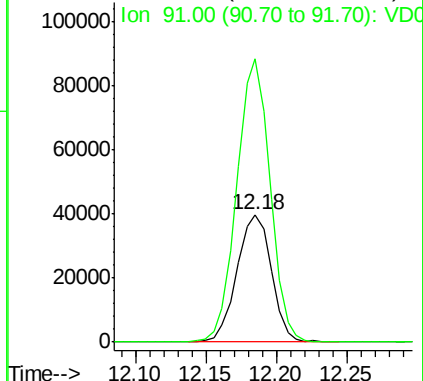
#69
o-Xylene
Concen: 20.918 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

Tot Ion:106 Resp: 67801
Ion Ratio Lower Upper
106 100
91 214.9 105.3 315.8

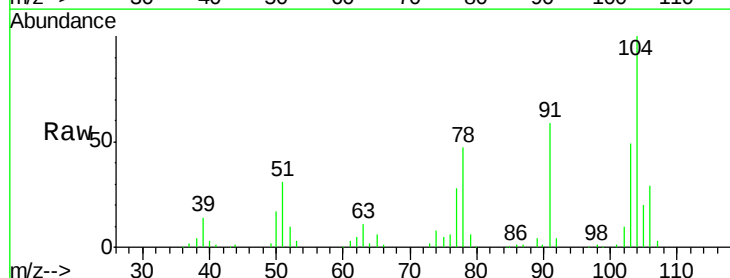


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

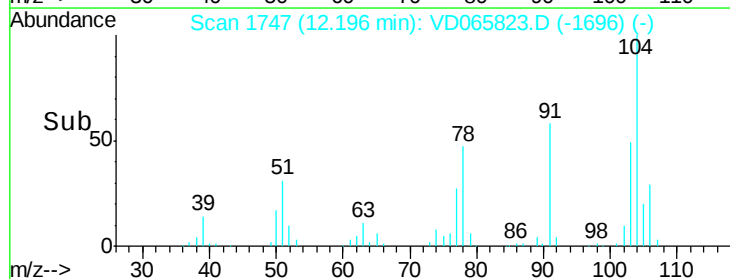
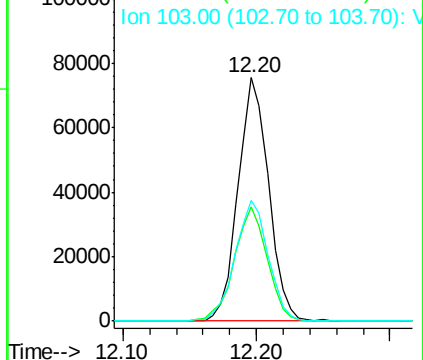


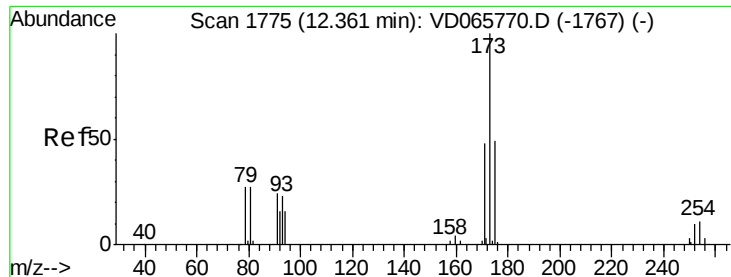
#70
Styrene
Concen: 21.306 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion:104 Resp: 119549
Ion Ratio Lower Upper
104 100
78 50.3 38.6 58.0
103 54.1 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.139 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

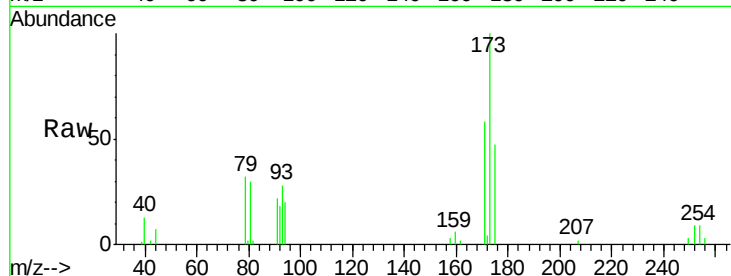
Tot Ion:173 Resp: 21597

Ion Ratio Lower Upper

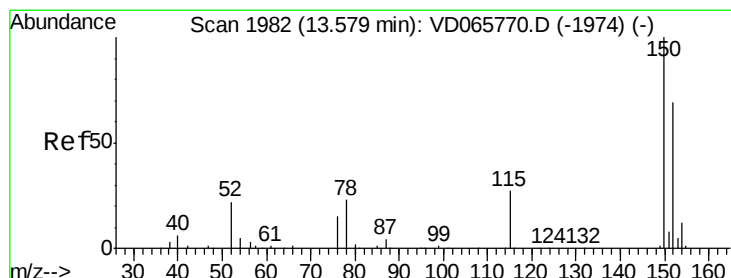
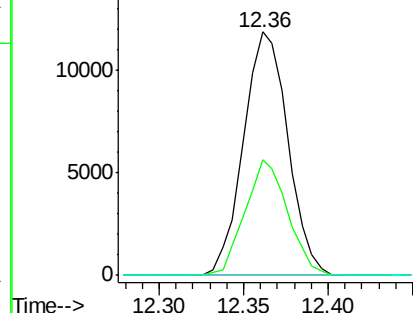
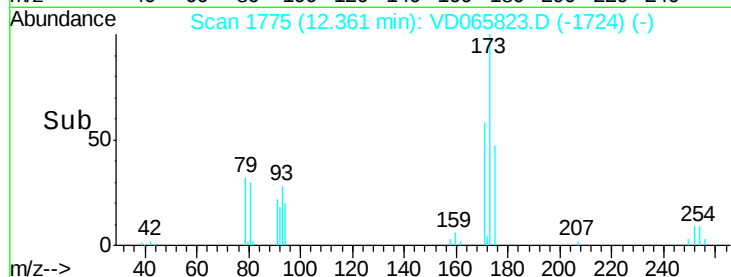
173 100

175 45.7 24.8 74.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

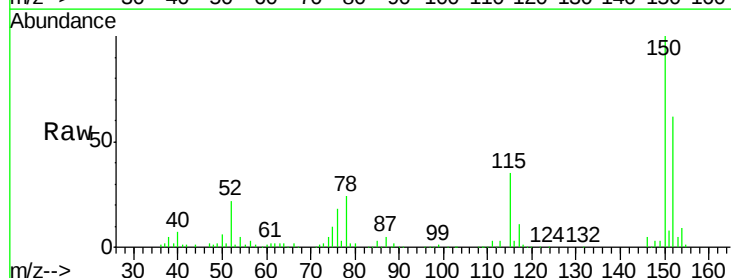
Tgt Ion:152 Resp: 137459

Ion Ratio Lower Upper

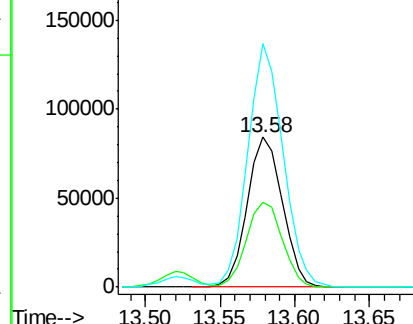
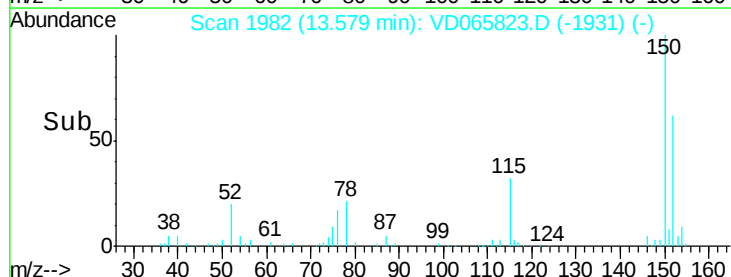
152 100

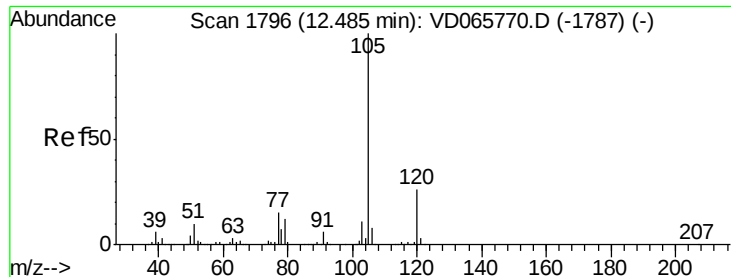
115 58.0 28.7 86.1

150 163.4 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.523 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

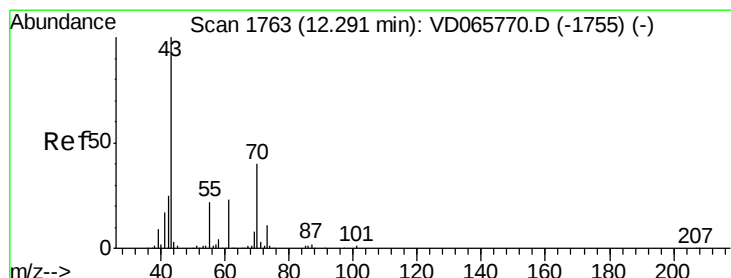
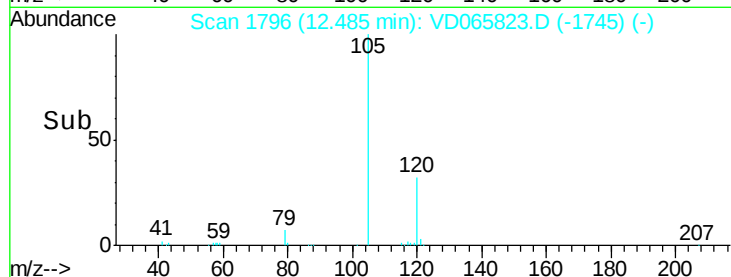
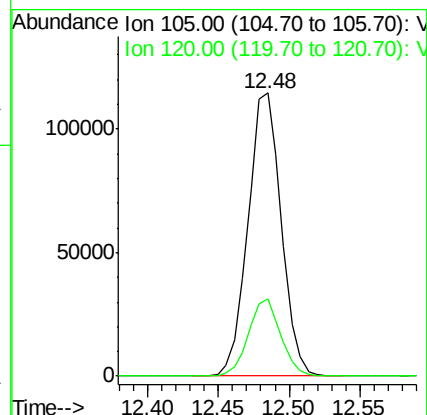
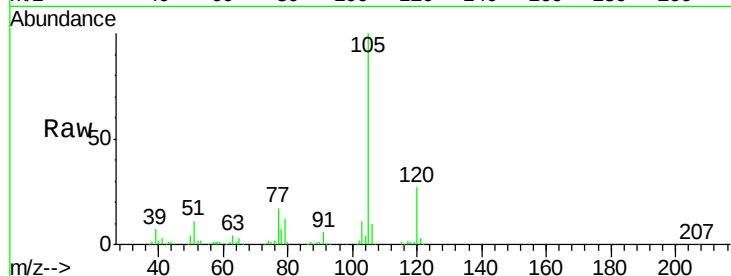
VD0619SBS01

Tot Ion:105 Resp: 189147

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.5



#74

N-ethyl acetate

Concen: 19.797 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Tgt Ion: 43 Resp: 40591

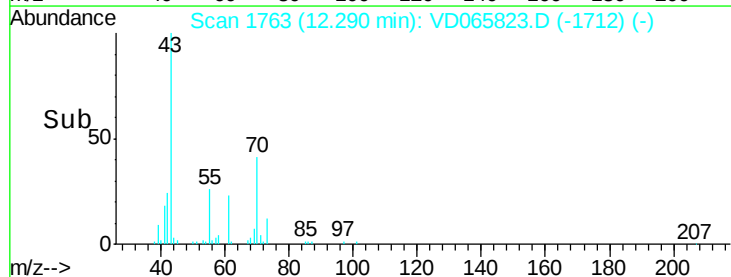
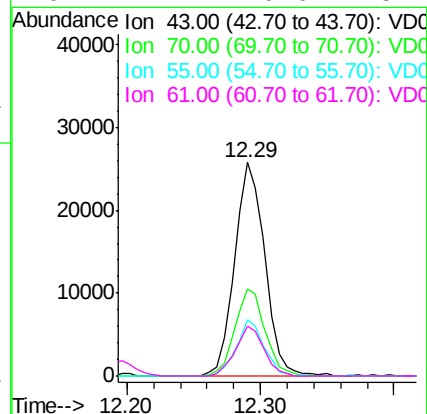
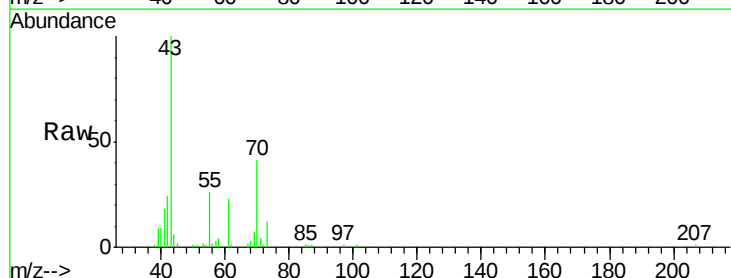
Ion Ratio Lower Upper

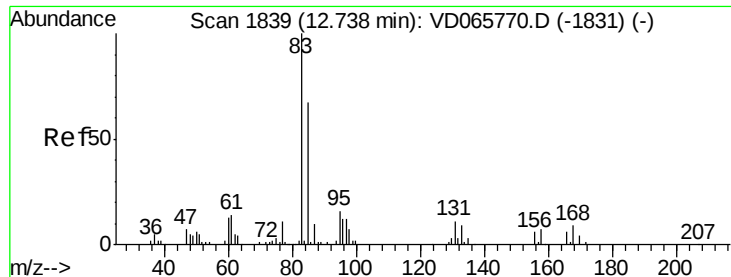
43 100

70 41.0 32.3 48.5

55 24.1 19.0 28.4

61 22.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.562 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

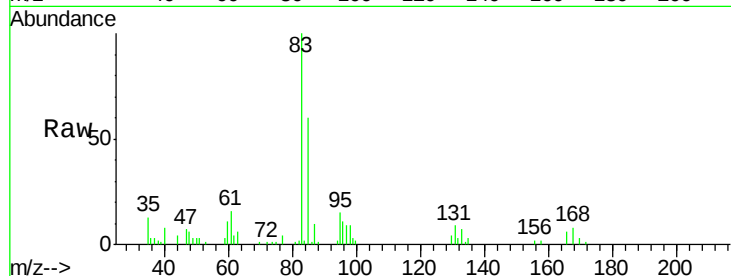
Tot Ion: 83 Resp: 32004

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

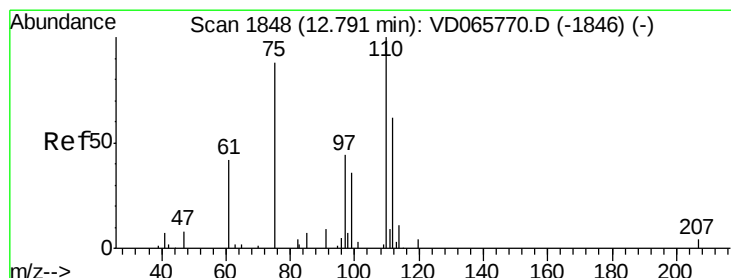
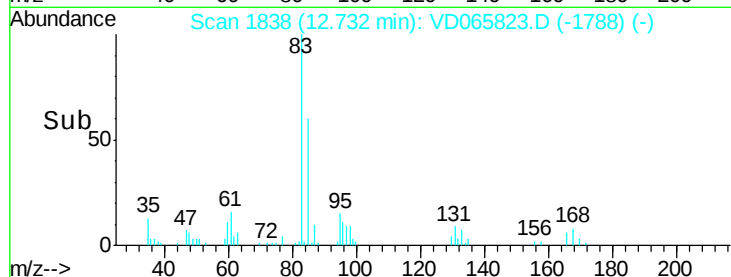
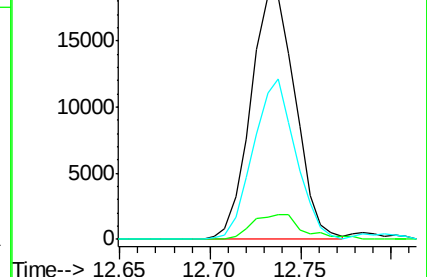
85 61.8 32.5 97.5



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: 21.474 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065823.D

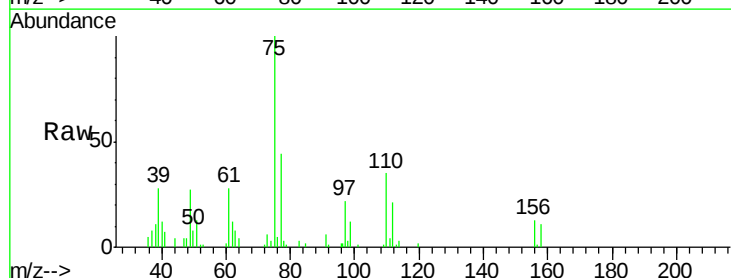
Acq: 19 Jun 2020 12:40

Tgt Ion: 75 Resp: 22957

Ion Ratio Lower Upper

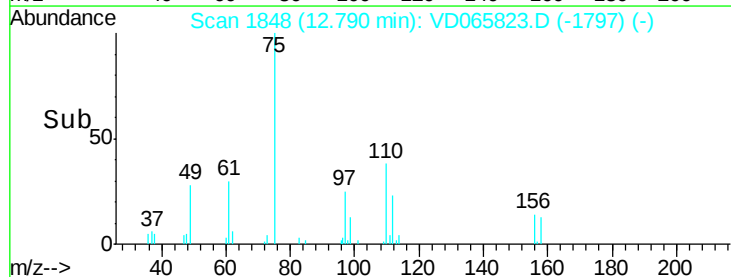
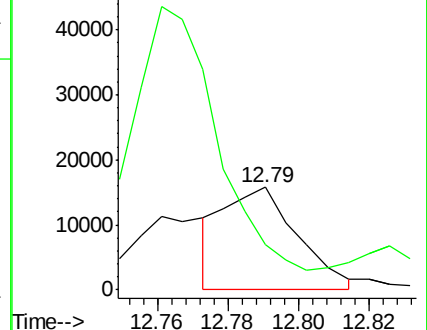
75 100

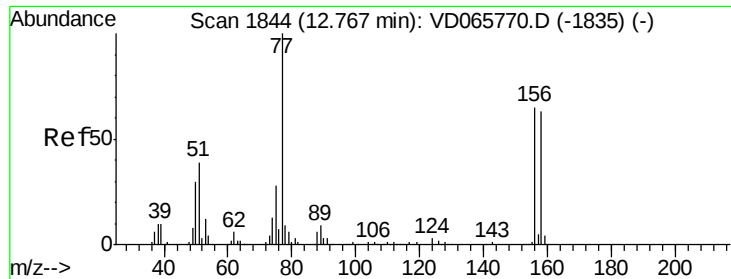
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.163 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

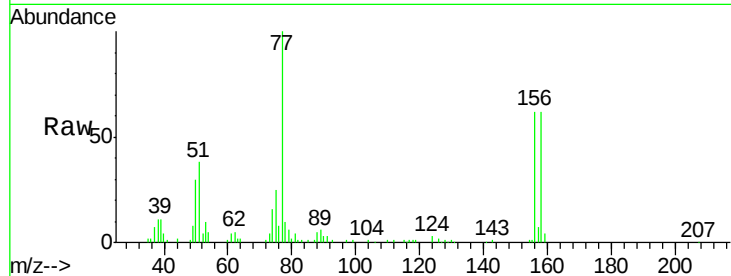
Tot Ion:156 Resp: 43966

Ion Ratio Lower Upper

156 100

77 180.1 87.3 261.8

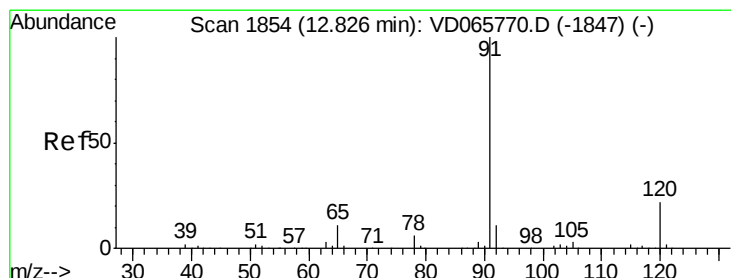
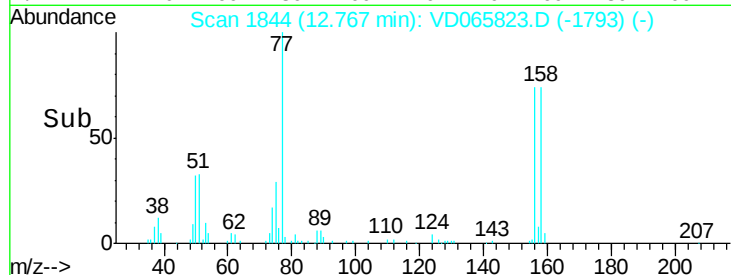
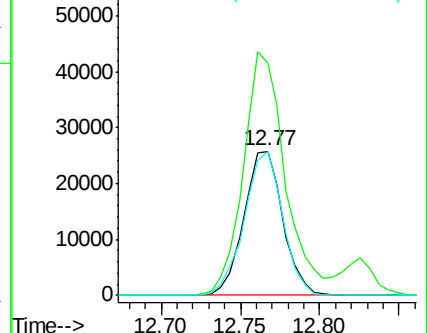
158 98.0 48.0 144.0



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: 20.932 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065823.D

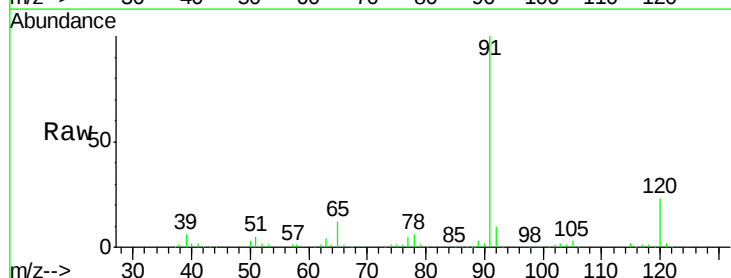
Acq: 19 Jun 2020 12:40

Tgt Ion: 91 Resp: 232211

Ion Ratio Lower Upper

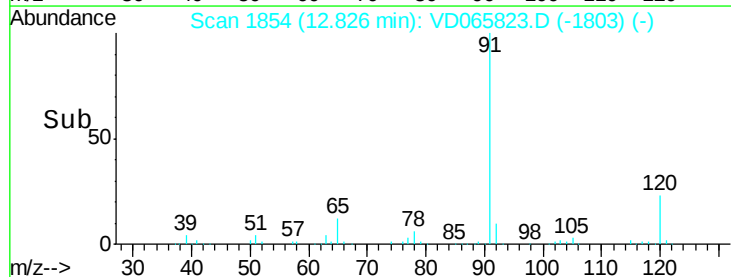
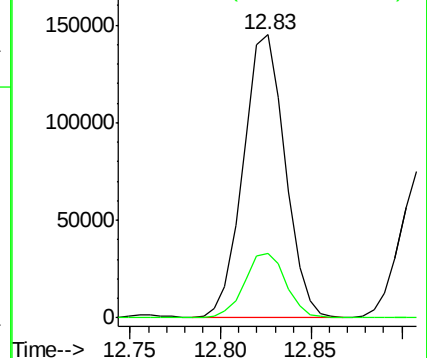
91 100

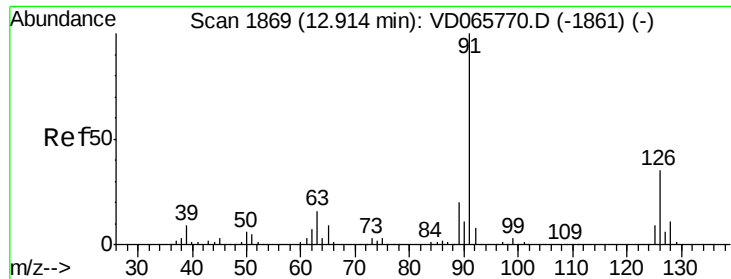
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

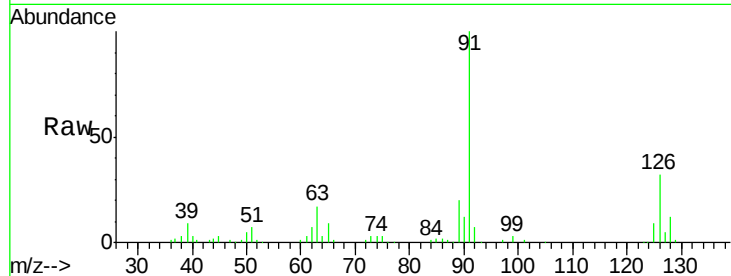




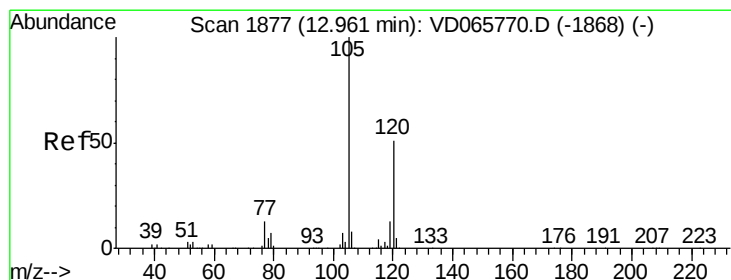
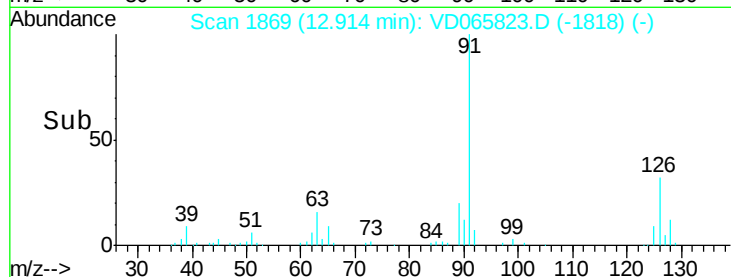
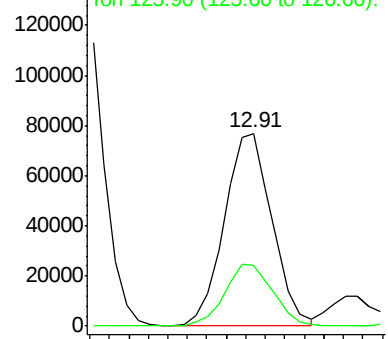
#79
2-Chlorotoluene
Concen: 21.269 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

Tot Ion: 91 Resp: 129436
Ion Ratio Lower Upper
91 100
126 32.7 17.5 52.6

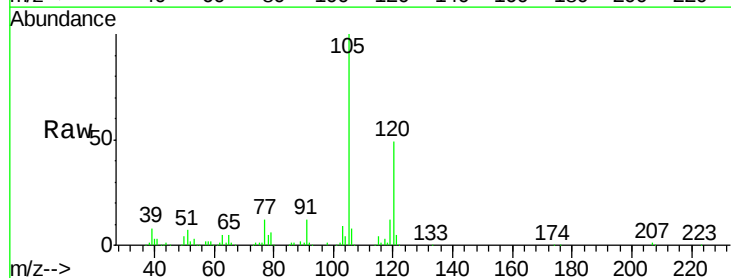


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

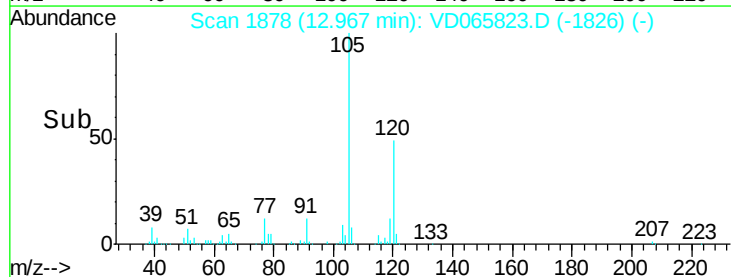
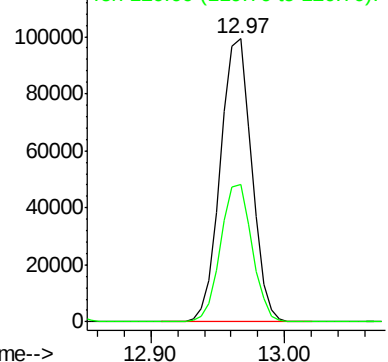


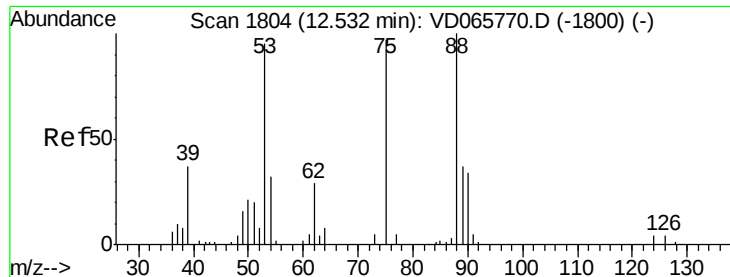
#80
1,3,5-Trimethylbenzene
Concen: 20.874 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 105 Resp: 160088
Ion Ratio Lower Upper
105 100
120 48.7 25.4 76.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 21.167 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

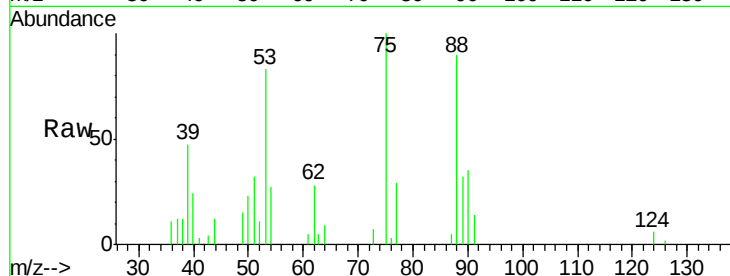
Tot Ion: 75 Resp: 10473

Ion Ratio Lower Upper

75 100

53 97.7 82.6 123.8

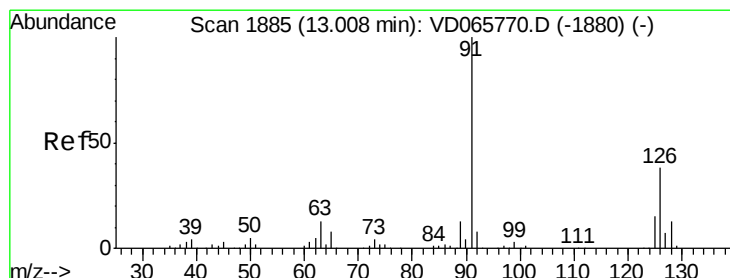
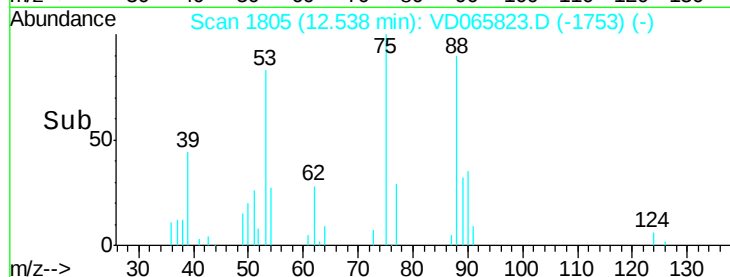
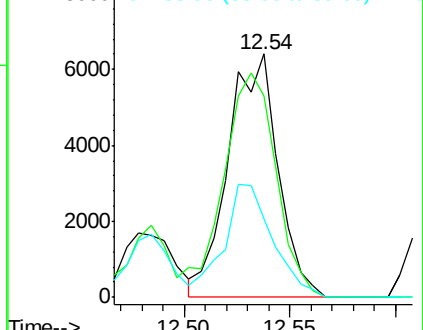
89 45.7 35.9 53.9



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: 21.219 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065823.D

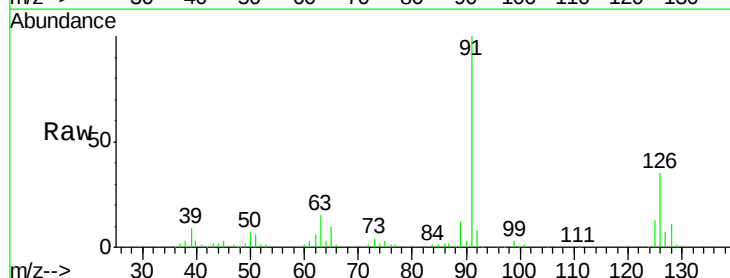
Acq: 19 Jun 2020 12:40

Tgt Ion: 91 Resp: 138611

Ion Ratio Lower Upper

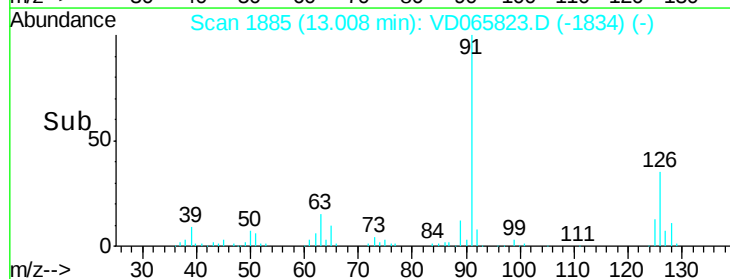
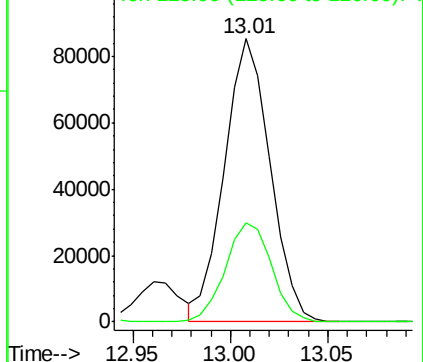
91 100

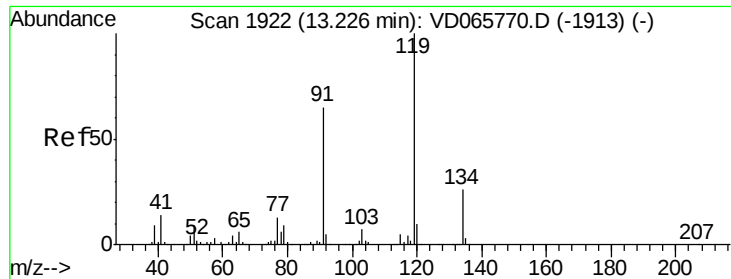
126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

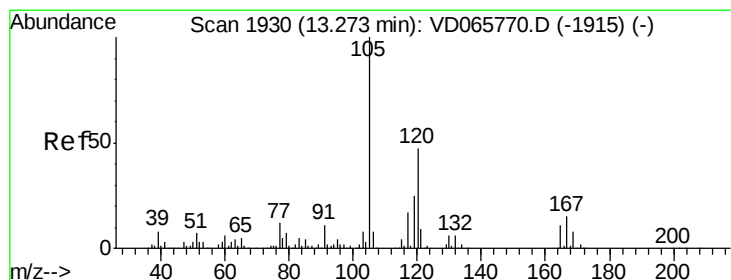
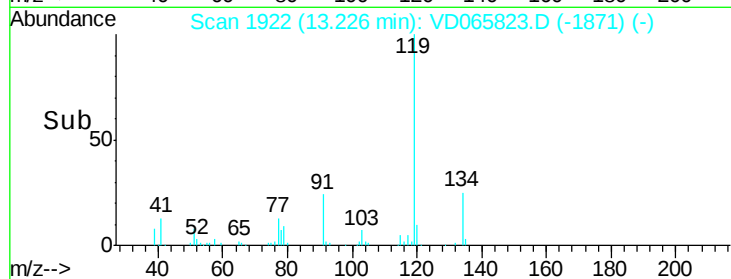
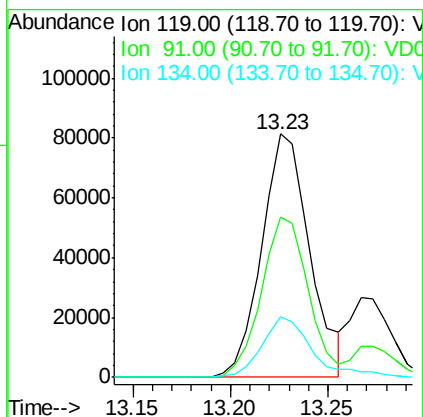
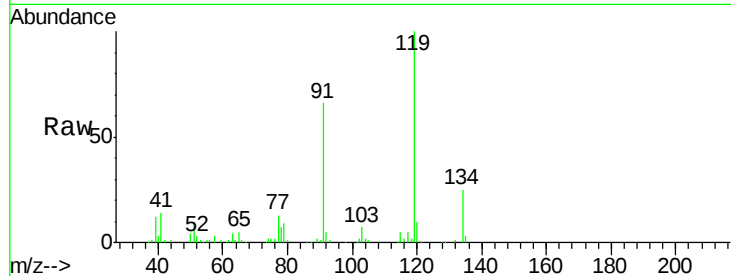




#83
 tert-Butylbenzene
 Concen: 20.864 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065823.D
 Acq: 19 Jun 2020 12:40

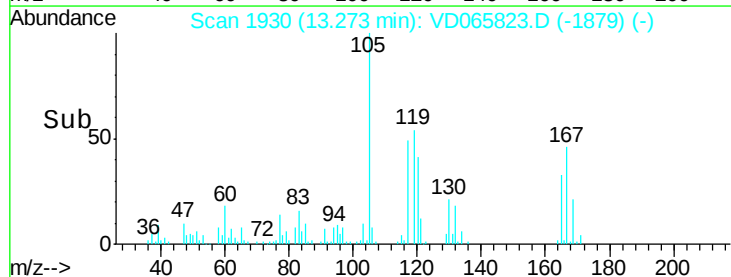
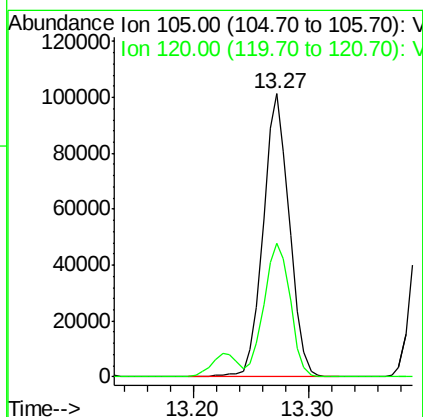
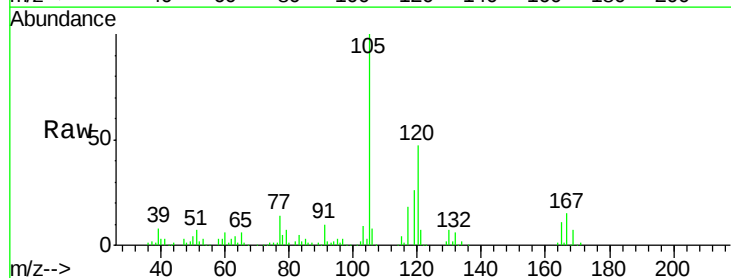
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBS01

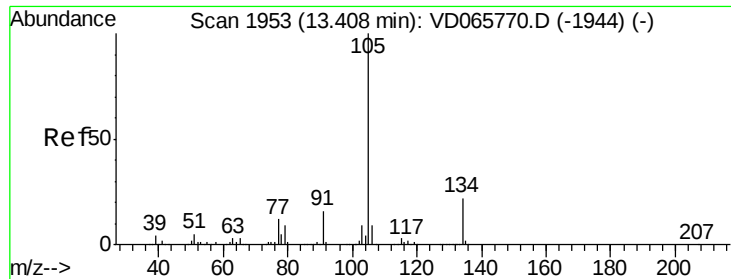
Tot Ion:119 Resp: 138844
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.0 96.0
 134 26.1 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.873 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065823.D
 Acq: 19 Jun 2020 12:40

Tgt Ion:105 Resp: 160227
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.3 69.8





#85

sec-Butylbenzene

Concen: 21.328 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

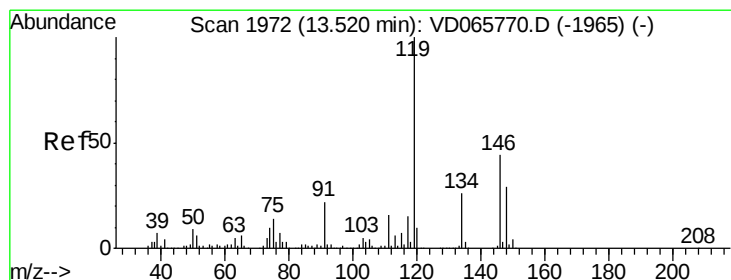
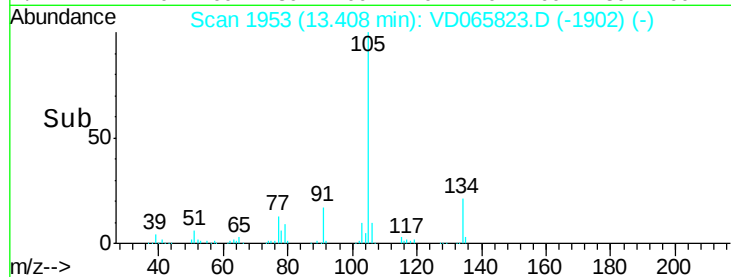
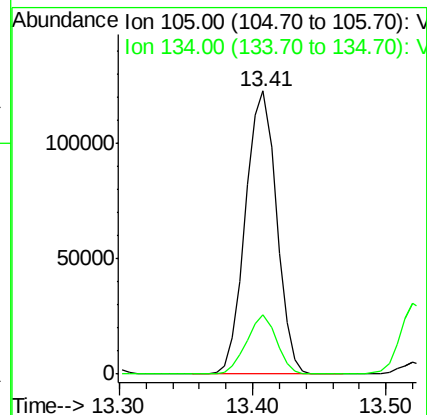
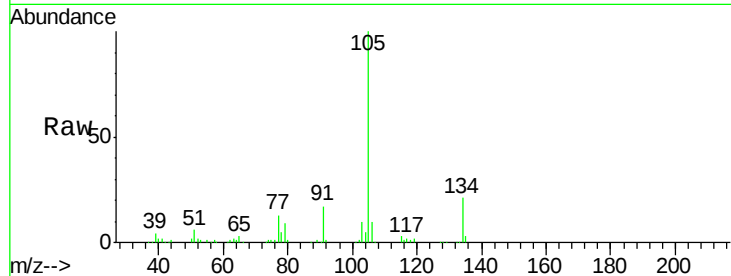
VD0619SBS01

Tot Ion:105 Resp: 197516

Ion Ratio Lower Upper

105 100

134 20.2 10.4 31.4



#86

p-Isopropyltoluene

Concen: 20.516 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

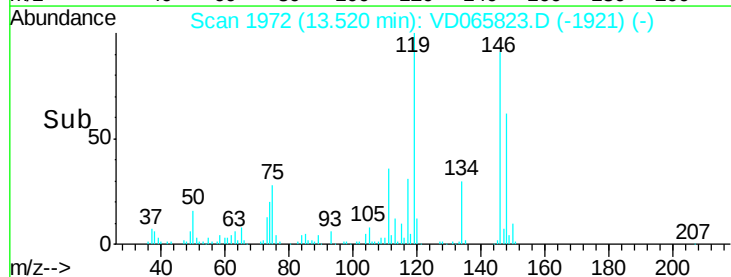
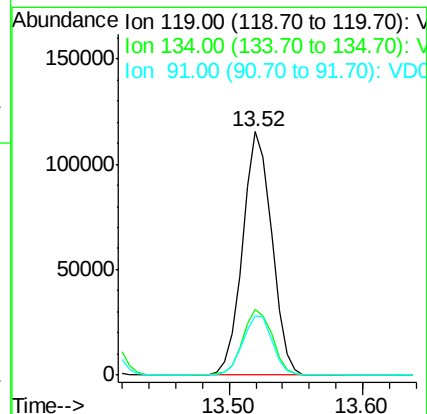
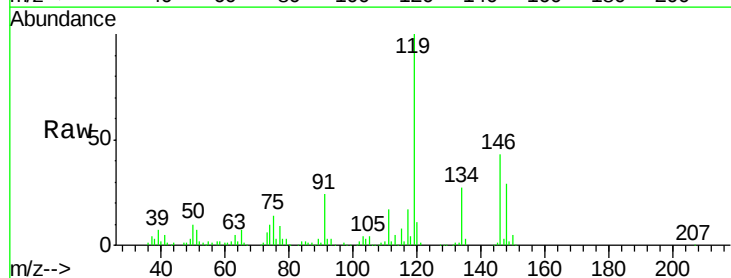
Tgt Ion:119 Resp: 174150

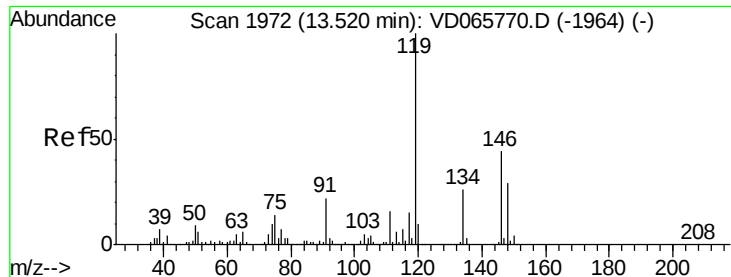
Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

91 24.9 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 20.423 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

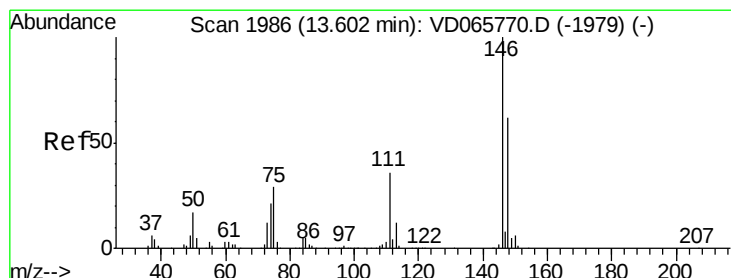
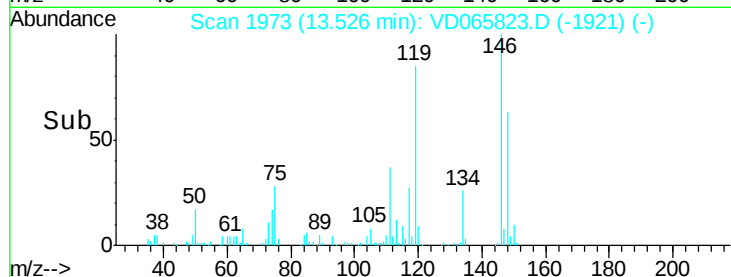
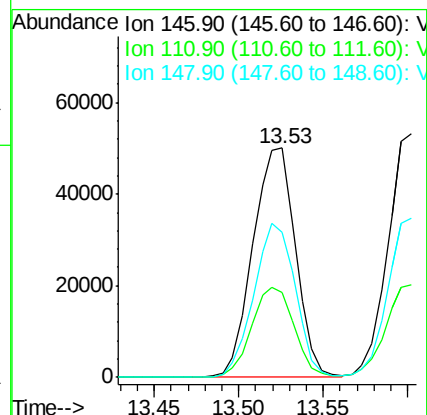
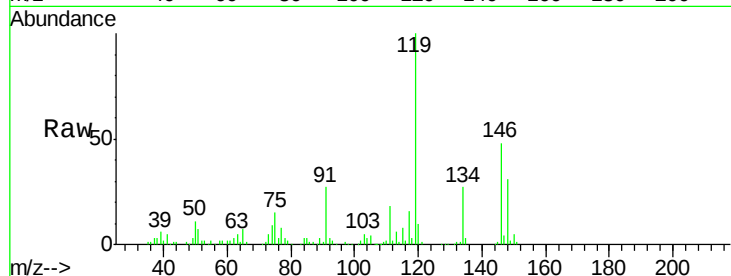
Tot Ion:146 Resp: 87809

Ion Ratio Lower Upper

146 100

111 39.5 19.2 57.6

148 65.2 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 20.521 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

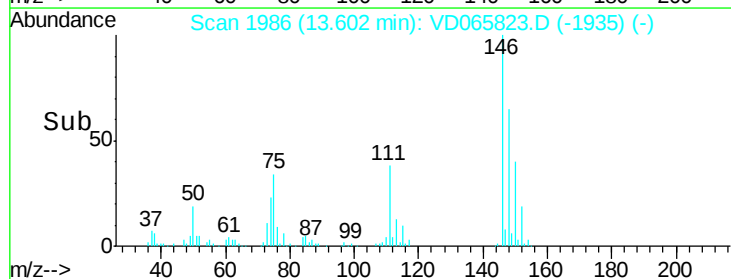
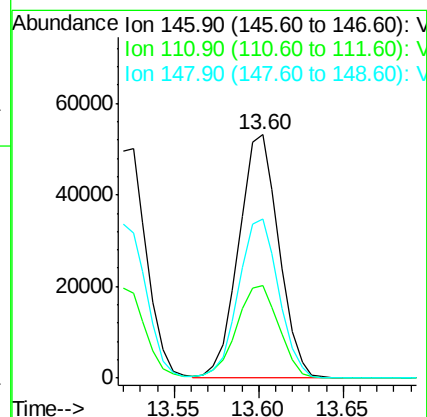
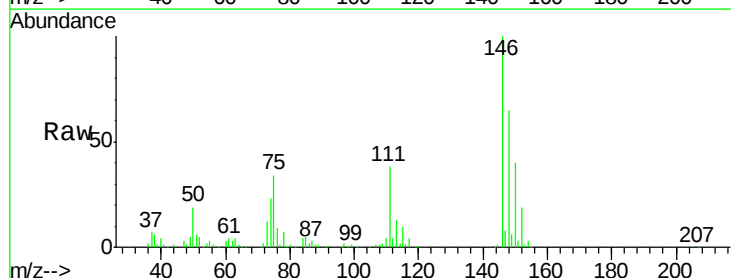
Tgt Ion:146 Resp: 87766

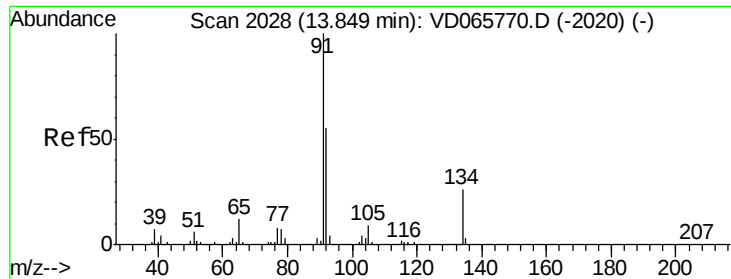
Ion Ratio Lower Upper

146 100

111 40.4 18.9 56.7

148 65.8 31.6 94.7

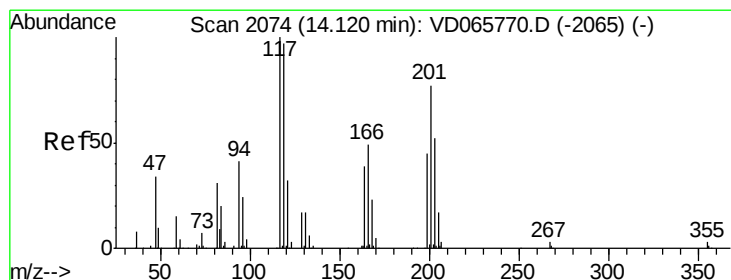
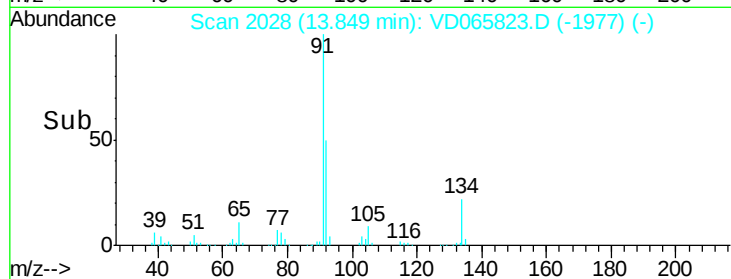
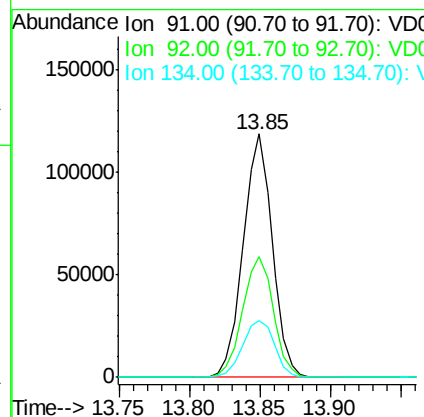
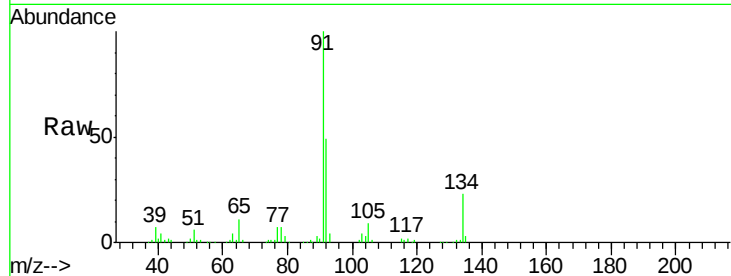




#89
n-Butylbenzene
Concen: 21.222 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

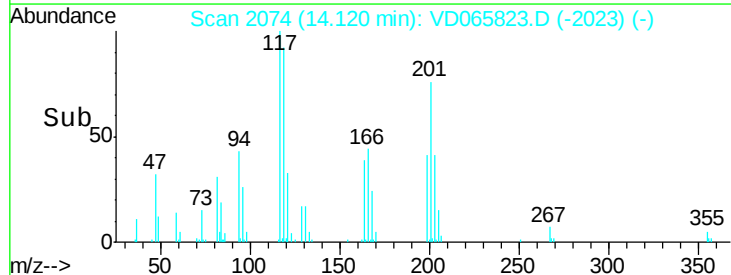
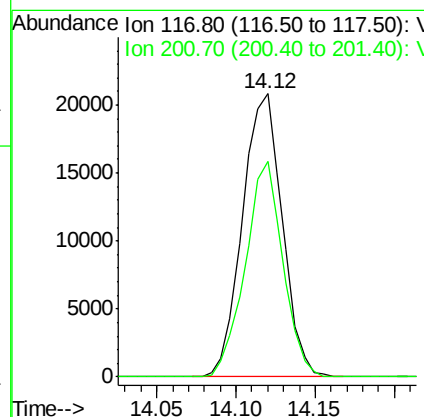
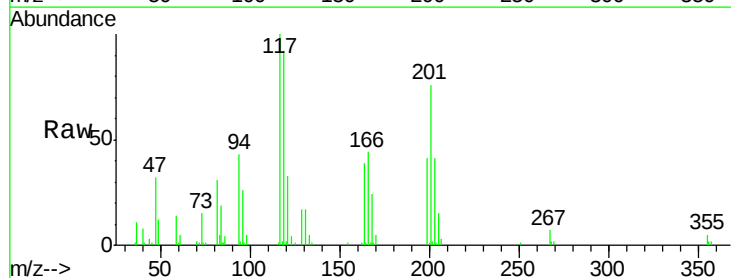
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

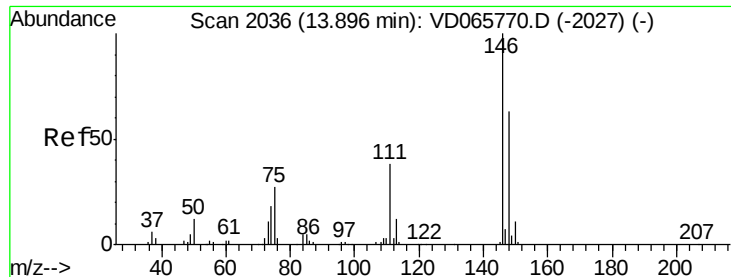
Tot Ion: 91 Resp: 171807
Ion Ratio Lower Upper
91 100
92 52.4 27.0 81.0
134 25.6 13.0 39.0



#90
Hexachloroethane
Concen: 21.344 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion: 117 Resp: 36264
Ion Ratio Lower Upper
117 100
201 71.9 37.1 111.5





#91

1,2-Dichlorobenzene

Concen: 20.758 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

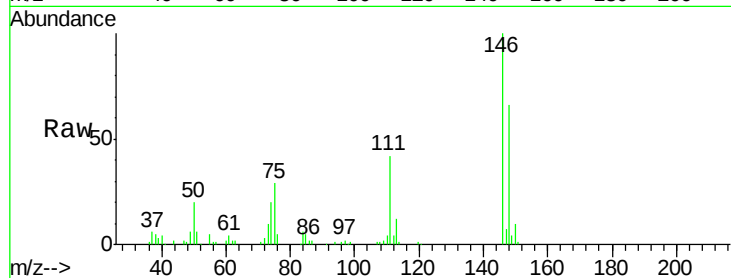
Tot Ion:146 Resp: 76807

Ion Ratio Lower Upper

146 100

111 41.1 19.8 59.4

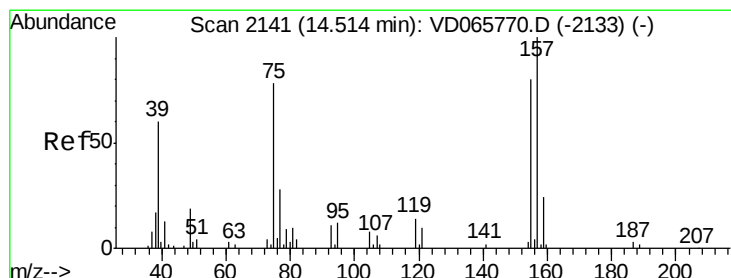
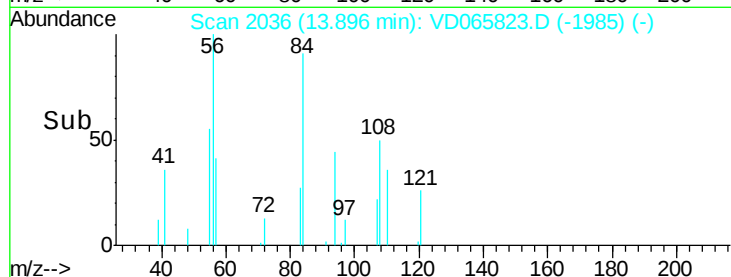
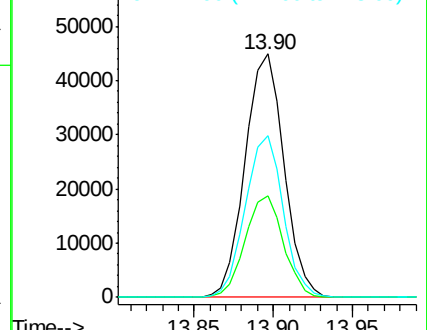
148 64.4 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.399 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD065823.D

Acq: 19 Jun 2020 12:40

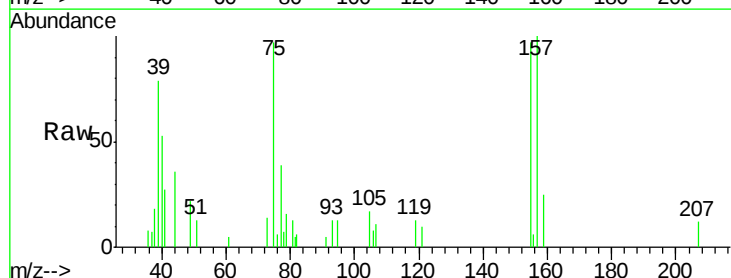
Tgt Ion: 75 Resp: 5025

Ion Ratio Lower Upper

75 100

155 89.5 46.3 138.9

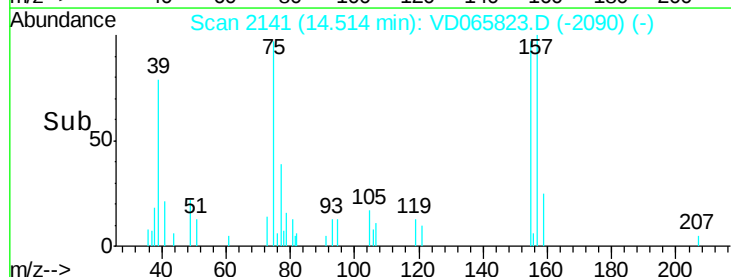
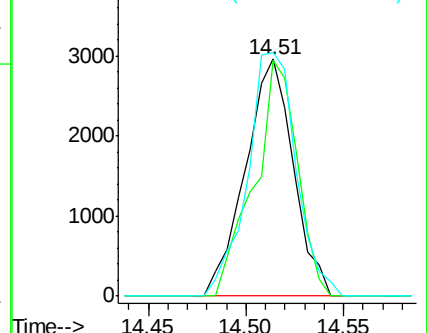
157 104.7 58.1 174.3

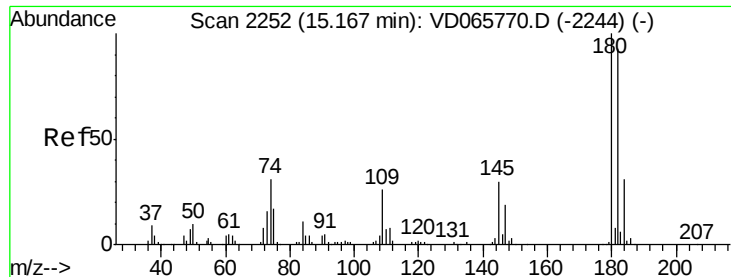


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

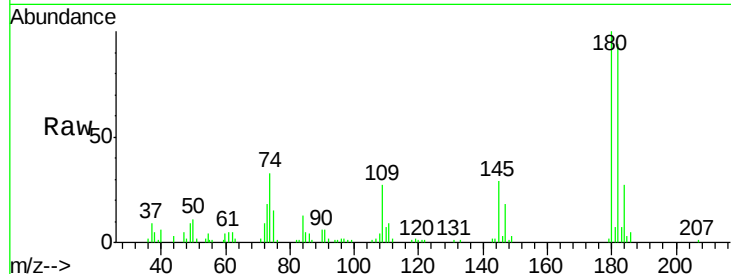




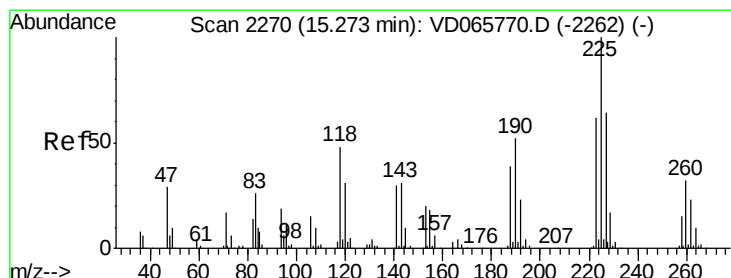
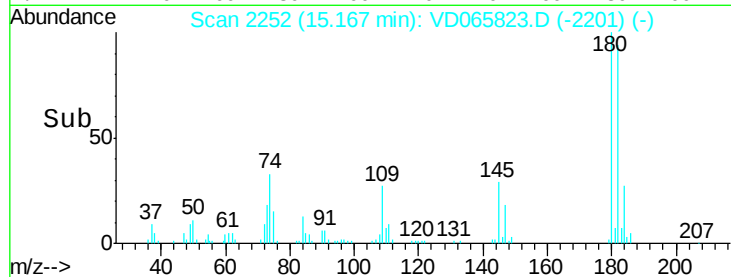
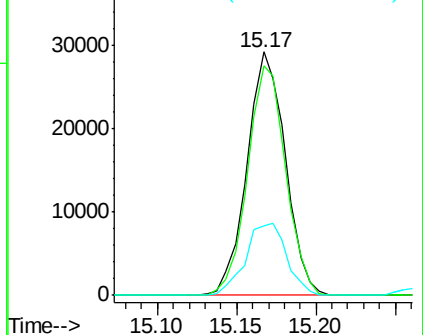
#93
 1,2,4-Trichlorobenzene
 Concen: 19.515 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065823.D
 Acq: 19 Jun 2020 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.0	144.2
145	31.7	14.9	44.9

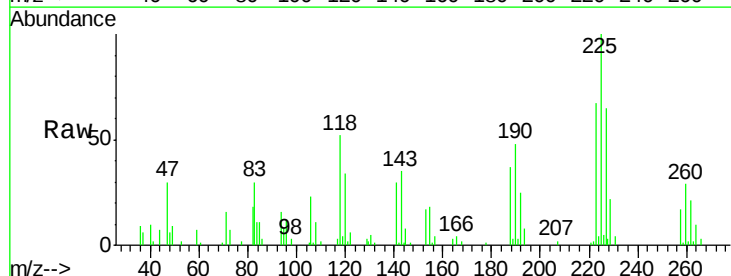


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

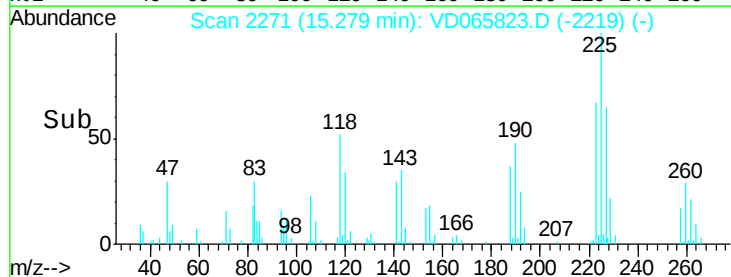
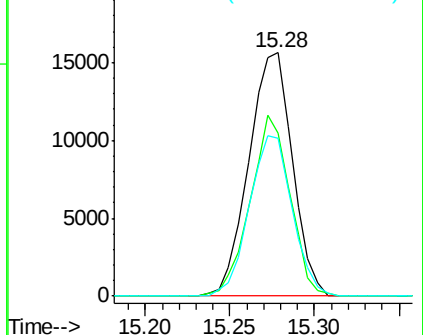


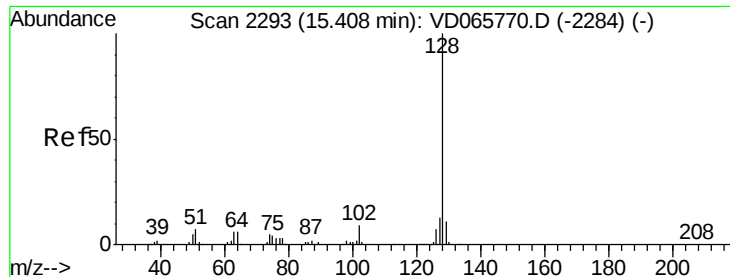
#94
 Hexachlorobutadiene
 Concen: 18.474 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD065823.D
 Acq: 19 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.6	30.9	92.7
227	64.9	31.9	95.7



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

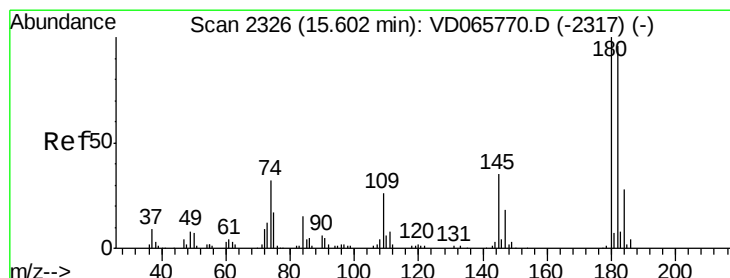
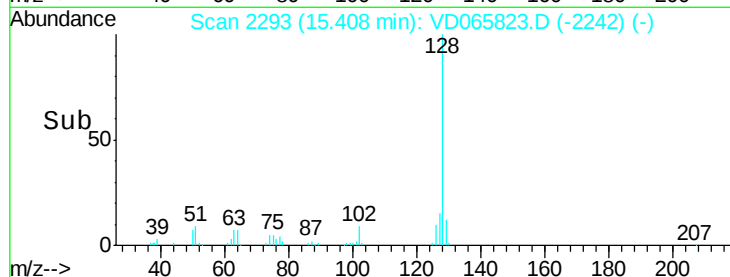
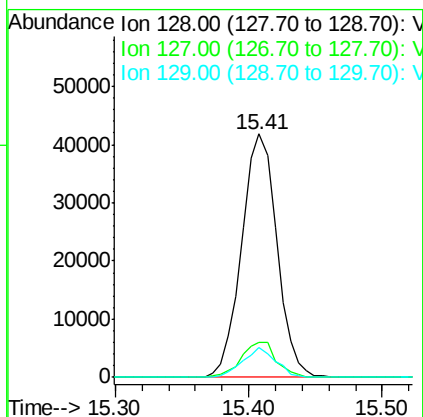
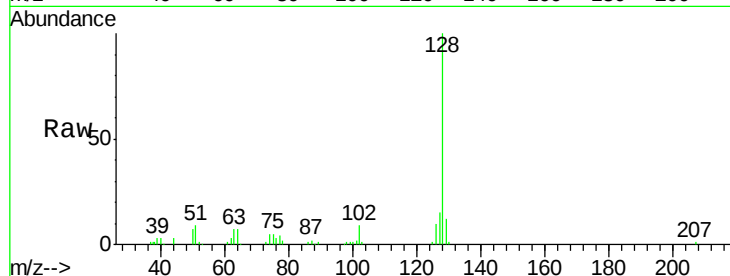




#95
Naphthalene
Concen: 17.950 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

Tot Ion:128 Resp: 76497
Ion Ratio Lower Upper
128 100
127 14.3 10.7 16.1
129 11.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.643 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065823.D
Acq: 19 Jun 2020 12:40

Tgt Ion:180 Resp: 42562
Ion Ratio Lower Upper
180 100
182 91.0 47.0 141.2
145 30.6 16.2 48.6

