

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062220\
 Data File : VD065845.D
 Acq On : 22 Jun 2020 15:35
 Operator : VA/SY
 Sample : VD0622SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Quant Time: Jun 23 06:53:41 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	184743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	300563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	277827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	103654	56.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.56%	
35) Dibromofluoromethane	7.91	113	97584	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.34	98	383584	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
62) 4-Bromofluorobenzene	12.64	95	128581	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	31866	23.559	ug/l	95
3) Chloromethane	2.21	50	57994	25.176	ug/l	100
4) Vinyl Chloride	2.35	62	65642	24.083	ug/l	99
5) Bromomethane	2.76	94	47073	24.695	ug/l	92
6) Chloroethane	2.92	64	44437	24.112	ug/l	95
7) Trichlorofluoromethane	3.27	101	70878	22.952	ug/l	92
8) Diethyl Ether	3.70	74	19097	23.521	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	42157	22.894	ug/l	95
10) Methyl Iodide	4.30	142	36906	20.582	ug/l	99
11) Tert butyl alcohol	5.20	59	16212	143.245	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	38812	23.126	ug/l	96
13) Acrolein	3.92	56	7873	76.783	ug/l	85
14) Allyl chloride	4.71	41	61626	22.217	ug/l	97
15) Acrylonitrile	5.42	53	43455	117.843	ug/l	97
16) Acetone	4.16	43	45030	130.768	ug/l	99
17) Carbon Disulfide	4.40	76	121583	21.584	ug/l	97
18) Methyl Acetate	4.72	43	20544	24.605	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	87715	23.074	ug/l	97
20) Methylene Chloride	4.96	84	54437	27.791	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	44570	22.676	ug/l	97
22) Diisopropyl ether	6.36	45	130246	23.239	ug/l	92
23) Vinyl Acetate	6.30	43	369802	116.844	ug/l	100
24) 1,1-Dichloroethane	6.26	63	77684	22.748	ug/l	99
25) 2-Butanone	7.21	43	57262	120.408	ug/l	99
26) 2,2-Dichloropropane	7.20	77	67333	22.237	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	46734	22.104	ug/l	95
28) Bromochloromethane	7.54	49	29871	22.648	ug/l	99
29) Tetrahydrofuran	7.56	42	35959	119.637	ug/l	96
30) Chloroform	7.71	83	78892	22.288	ug/l	96
31) Cyclohexane	7.98	56	74057	22.621	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	71608	22.001	ug/l	96
36) 1,1-Dichloropropene	8.11	75	62271	21.628	ug/l	99
37) Ethyl Acetate	7.28	43	27206	23.989	ug/l	97
38) Carbon Tetrachloride	8.10	117	67173	22.169	ug/l	95

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 Data File : VD065845.D
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 Operator : VA/SY
 Sample : VD0622SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Quant Time: Jun 23 06:53:41 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	71925	21.099	ug/l	96
40) Benzene	8.35	78	170534	21.666	ug/l	98
41) Methacrylonitrile	7.56	41	35787	52.996	ug/l #	42
42) 1,2-Dichloroethane	8.43	62	52545	22.125	ug/l	99
43) Isopropyl Acetate	8.45	43	49113	21.778	ug/l	99
44) Trichloroethene	9.11	130	45523	20.782	ug/l	91
45) 1,2-Dichloropropane	9.38	63	42338	21.407	ug/l	98
46) Dibromomethane	9.48	93	23604	22.006	ug/l	95
47) Bromodichloromethane	9.66	83	61825	21.509	ug/l	100
48) Methyl methacrylate	9.46	41	25533	23.391	ug/l	98
49) 1,4-Dioxane	9.47	88	5790	507.143	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	126075	114.091	ug/l	98
52) Toluene	10.40	92	113264	22.146	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	57493	22.089	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	68395	22.249	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	32093	22.392	ug/l	98
56) Ethyl methacrylate	10.66	69	36628	21.728	ug/l	92
57) 1,3-Dichloropropane	10.95	76	54476	21.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	89619	114.349	ug/l	99
59) 2-Hexanone	10.98	43	88917	119.351	ug/l	99
60) Dibromochloromethane	11.14	129	41662	21.518	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31158	22.121	ug/l	98
64) Tetrachloroethene	10.88	164	38864	20.687	ug/l	97
65) Chlorobenzene	11.67	112	116084	21.403	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	43522	21.527	ug/l	99
67) Ethyl Benzene	11.75	91	210511	21.726	ug/l	99
68) m/p-Xylenes	11.86	106	159506	42.738	ug/l	98
69) o-Xylene	12.18	106	74143	22.033	ug/l	98
70) Styrene	12.20	104	126961	21.795	ug/l	99
71) Bromoform	12.36	173	24298	21.825	ug/l #	99
73) Isopropylbenzene	12.48	105	200358	21.136	ug/l	99
74) N-amyl acetate	12.29	43	46602	22.098	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	35663	22.277	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	46790	42.553	ug/l #	100
77) Bromobenzene	12.76	156	47740	21.286	ug/l	96
78) n-propylbenzene	12.83	91	246005	21.560	ug/l	99
79) 2-Chlorotoluene	12.91	91	134966	21.562	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	169510	21.489	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10821	21.263	ug/l	95
82) 4-Chlorotoluene	13.01	91	143355	21.336	ug/l	99
83) tert-Butylbenzene	13.23	119	148037	21.628	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	169479	21.465	ug/l	98
85) sec-Butylbenzene	13.41	105	204045	21.421	ug/l	99
86) p-Isopropyltoluene	13.52	119	188902	21.637	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	94474	21.363	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	93321	21.214	ug/l	97
89) n-Butylbenzene	13.85	91	178401	21.425	ug/l	99
90) Hexachloroethane	14.11	117	37348	21.371	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	80977	21.277	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5946	22.318	ug/l	92

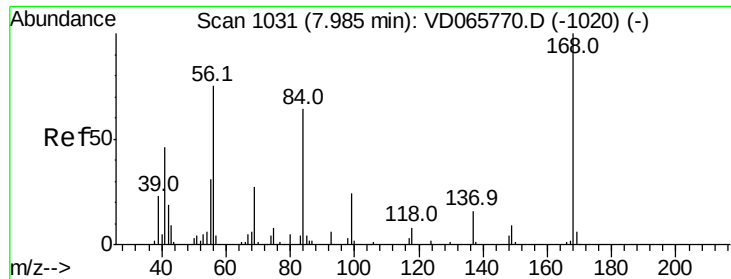
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062220\
Data File : VD065845.D
Acq On : 22 Jun 2020 15:35
Operator : VA/SY
Sample : VD0622SBS01
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MSVOA_D
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Quant Time: Jun 23 06:53:41 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	53625	20.723	ug/l	100
94) Hexachlorobutadiene	15.28	225	29376	18.779	ug/l	96
95) Naphthalene	15.41	128	91937	20.975	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	46370	20.806	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

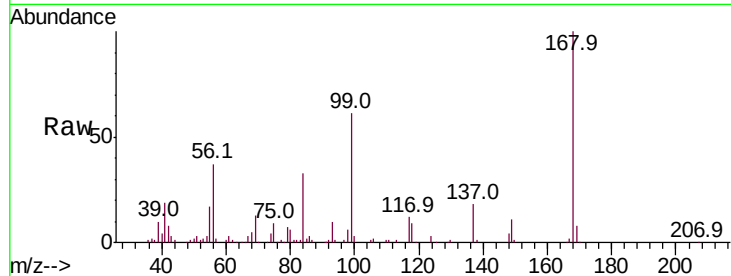
VD0622SBS01

Tot Ion:168 Resp: 184743

Ion Ratio Lower Upper

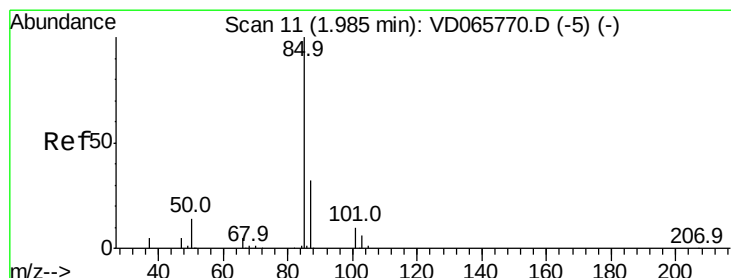
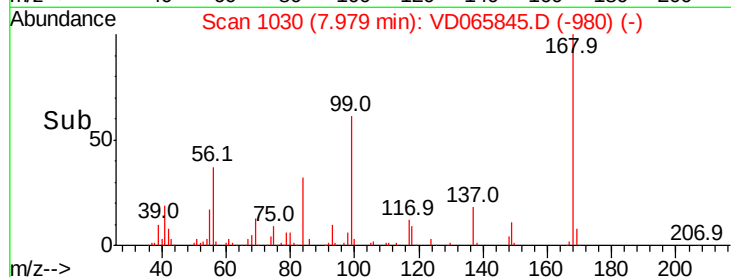
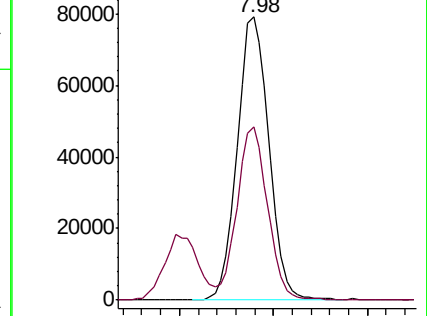
168 100

99 61.1 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: 23.559 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065845.D

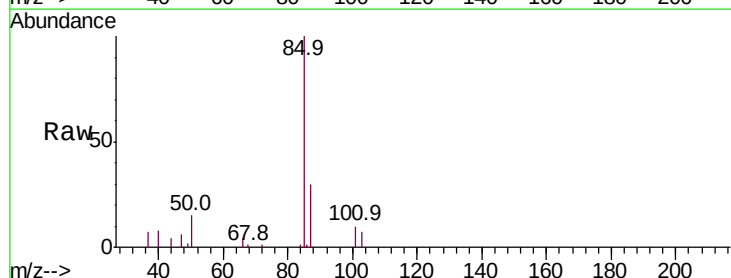
Acq: 22 Jun 2020 15:35

Tgt Ion: 85 Resp: 31866

Ion Ratio Lower Upper

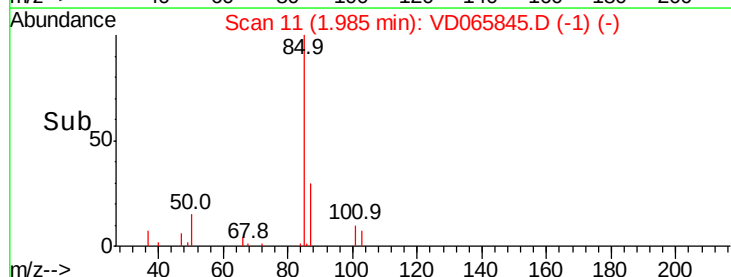
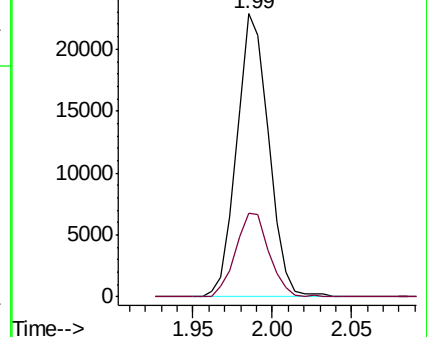
85 100

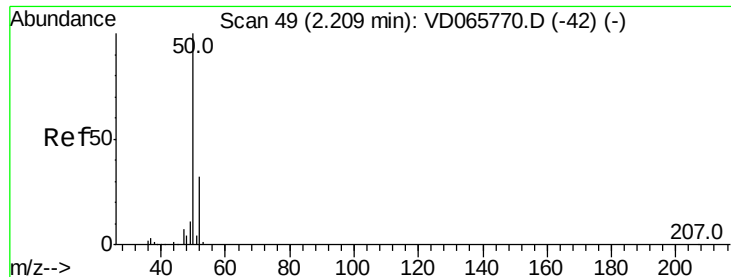
87 29.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 25.176 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

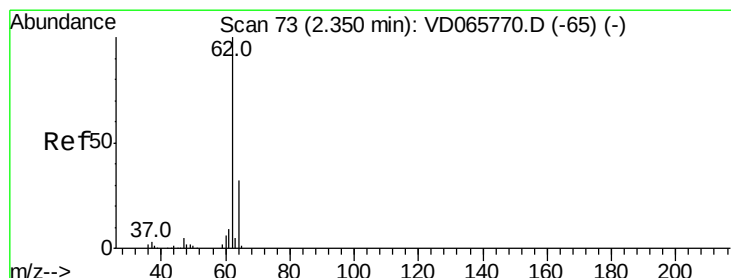
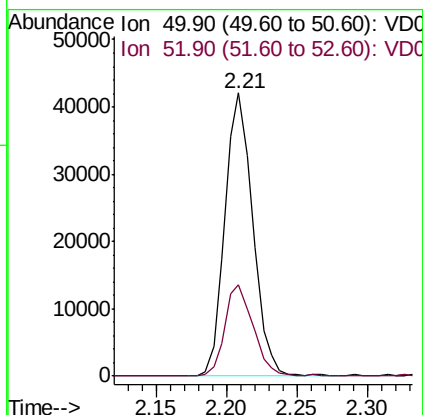
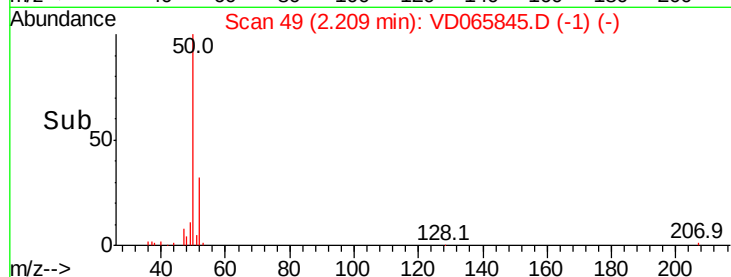
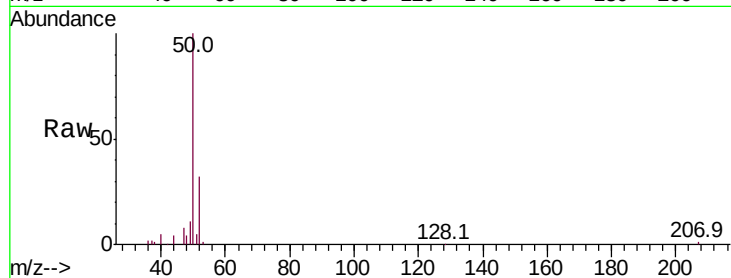
VD0622SBS01

Tot Ion: 50 Resp: 57994

Ion Ratio Lower Upper

50 100

52 32.1 25.6 38.4



#4

Vinyl Chloride

Concen: 24.083 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065845.D

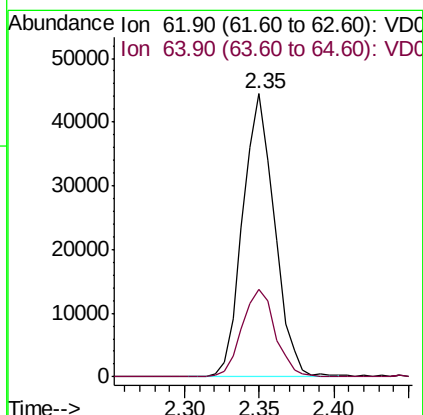
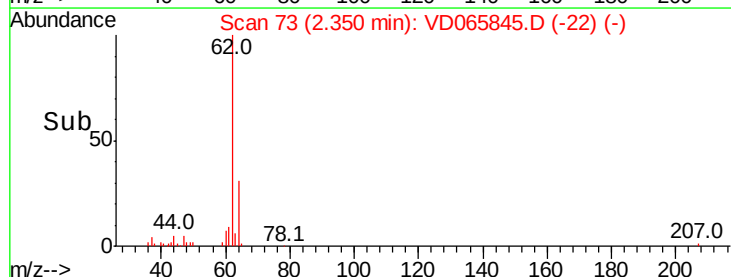
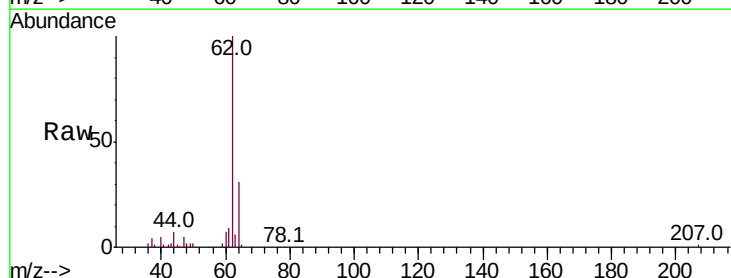
Acq: 22 Jun 2020 15:35

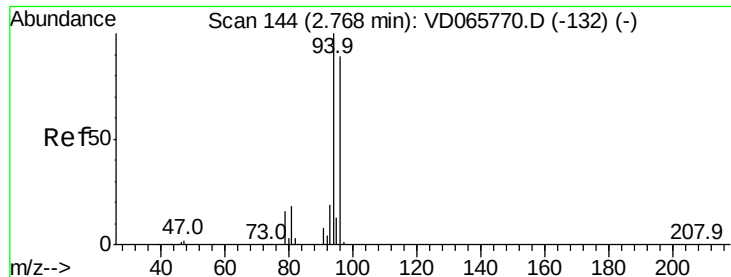
Tgt Ion: 62 Resp: 65642

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 24.695 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

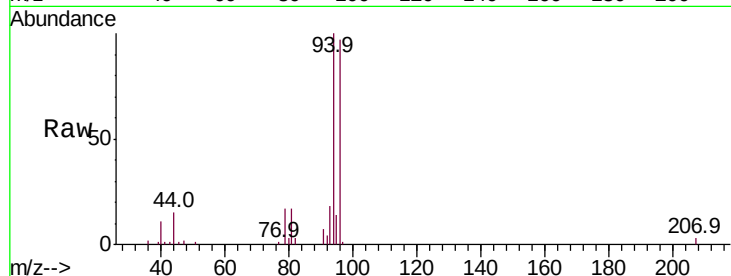
VD0622SBS01

Tot Ion: 94 Resp: 47073

Ion Ratio Lower Upper

94 100

96 97.0 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

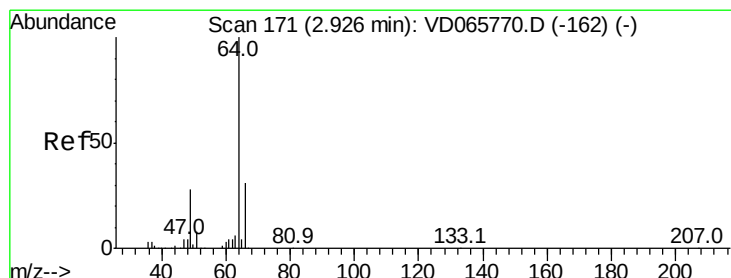
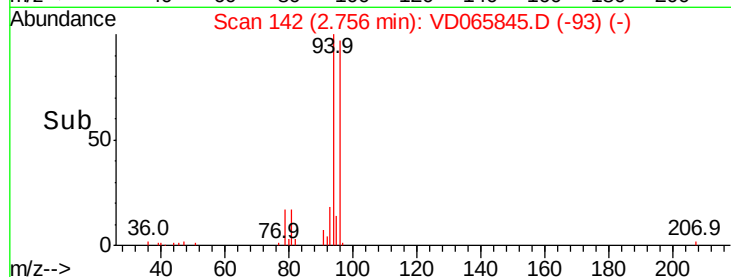
15000

10000

5000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 24.112 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065845.D

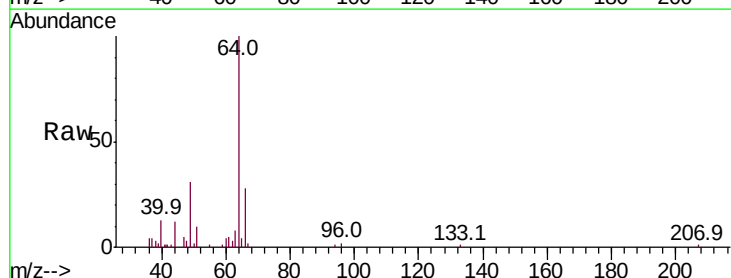
Acq: 22 Jun 2020 15:35

Tgt Ion: 64 Resp: 44437

Ion Ratio Lower Upper

64 100

66 28.1 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

20000

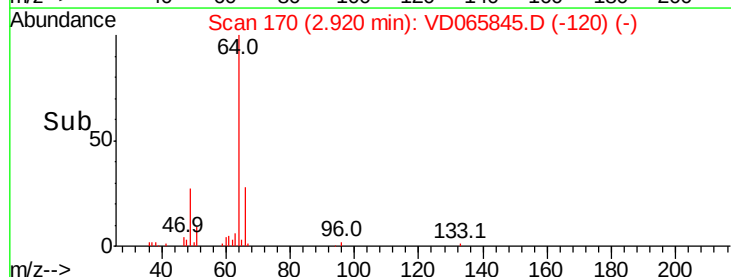
15000

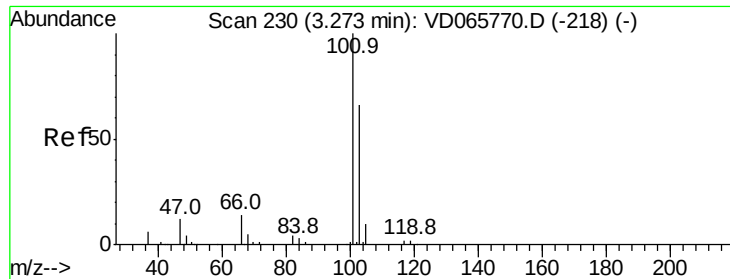
10000

5000

0

Time--> 2.85 2.90 2.95 3.00



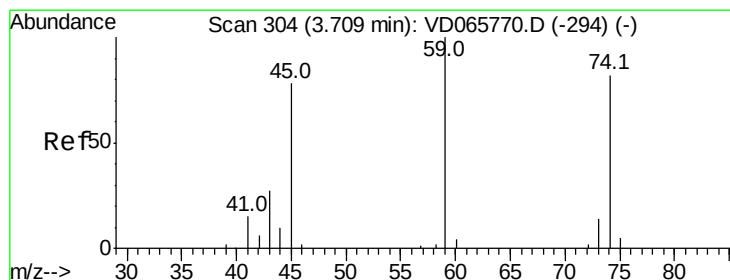
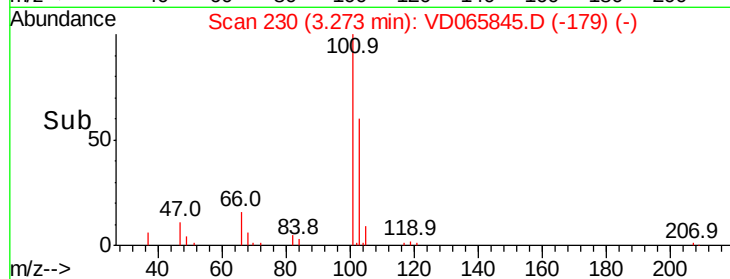
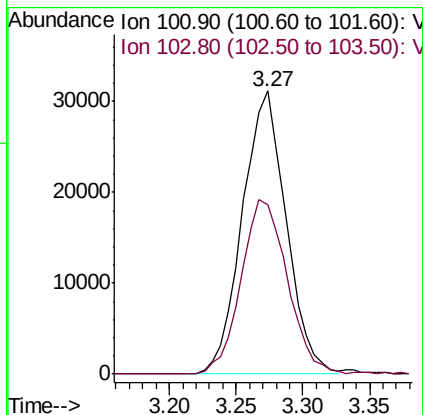
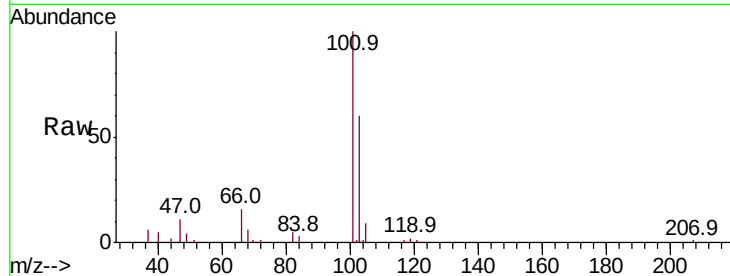


#7

Trichlorofluoromethane
 Concen: 22.952 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

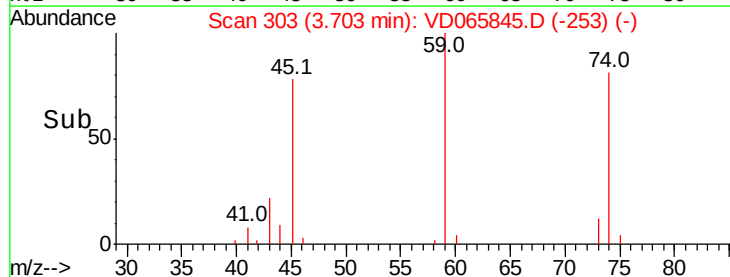
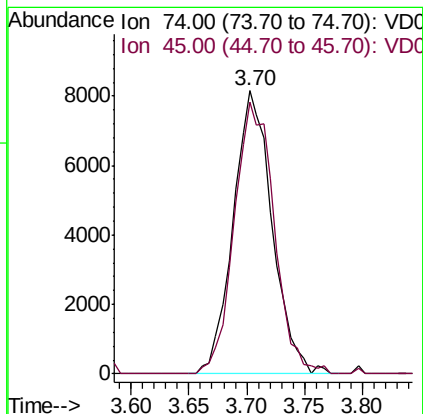
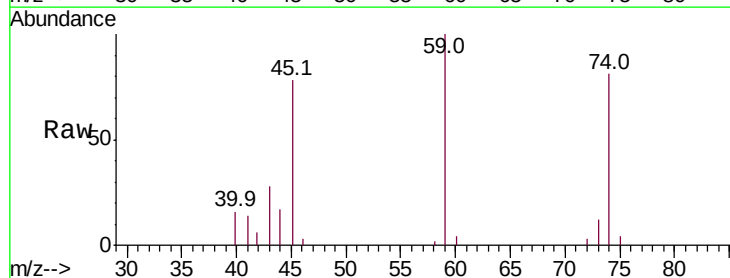
Tot Ion:101 Resp: 70878
 Ion Ratio Lower Upper
 101 100
 103 59.9 53.1 79.7

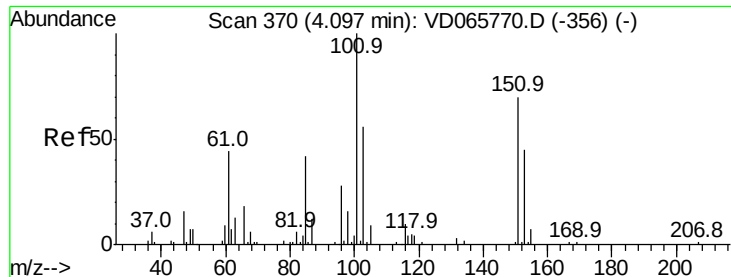


#8

Diethyl Ether
 Concen: 23.521 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion: 74 Resp: 19097
 Ion Ratio Lower Upper
 74 100
 45 98.6 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.894 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

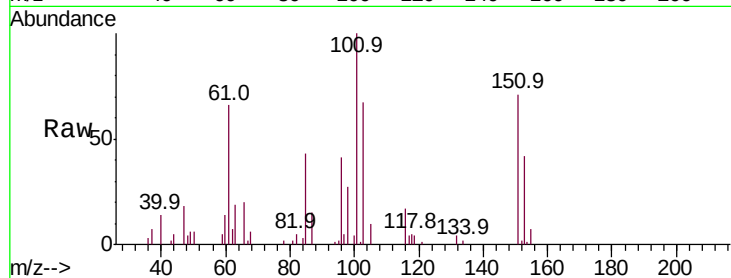
Tot Ion:101 Resp: 42157

Ion Ratio Lower Upper

101 100

85 47.4 36.5 54.7

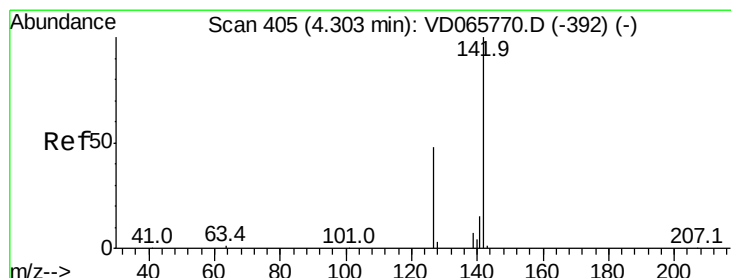
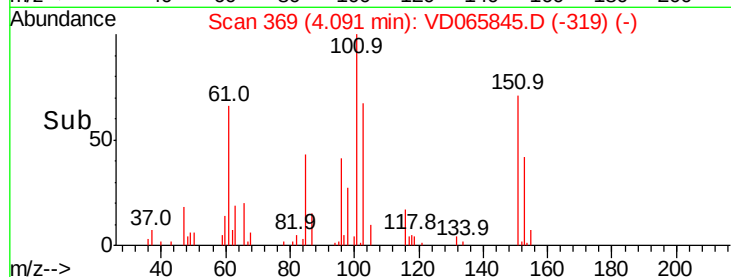
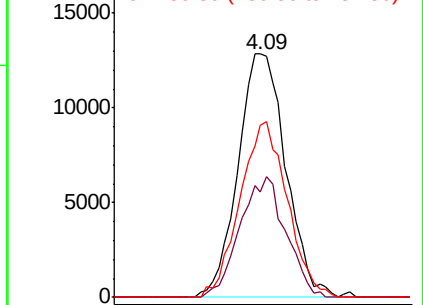
151 71.2 61.8 92.6



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: 20.582 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

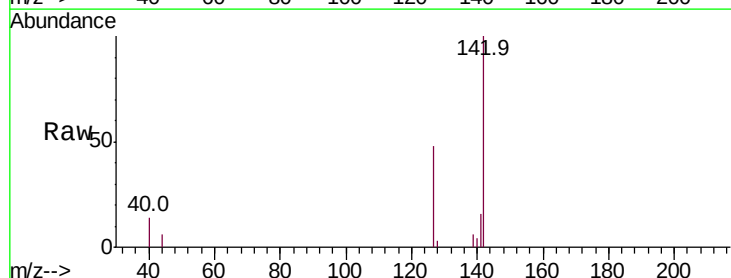
Tgt Ion:142 Resp: 36906

Ion Ratio Lower Upper

142 100

127 46.5 37.6 56.4

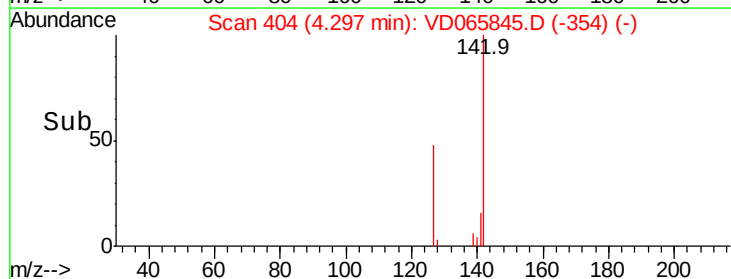
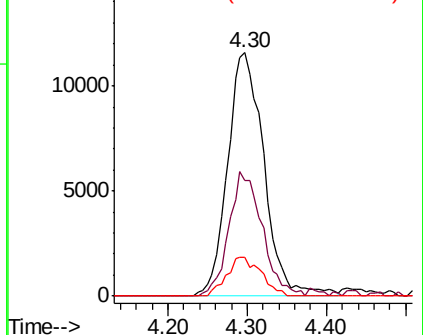
141 14.9 12.1 18.1

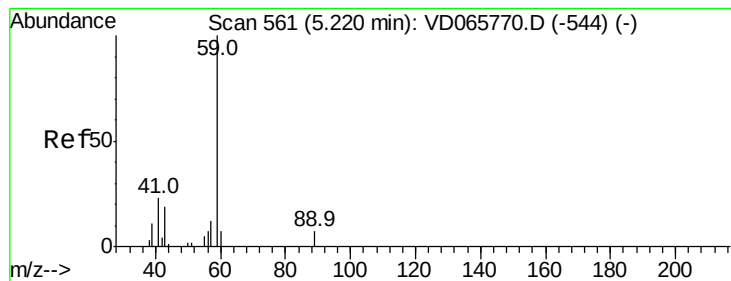


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



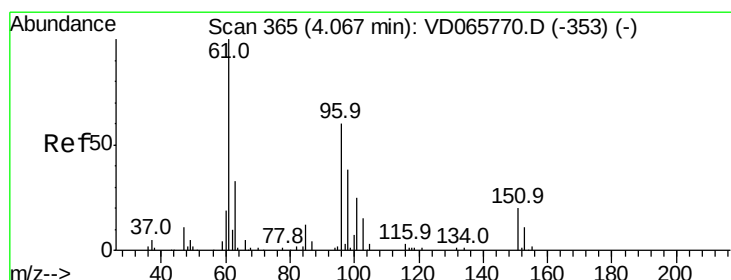
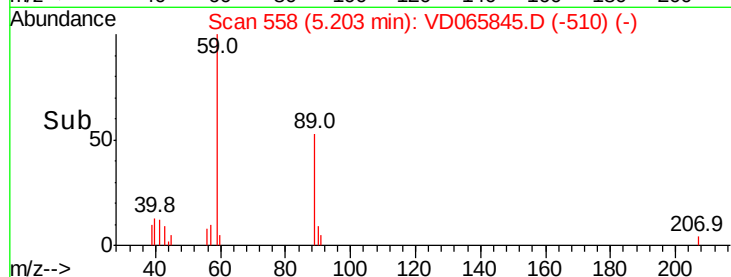
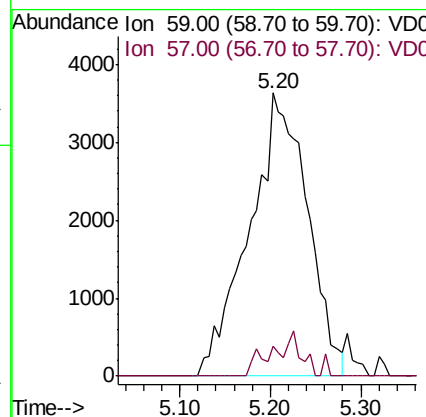
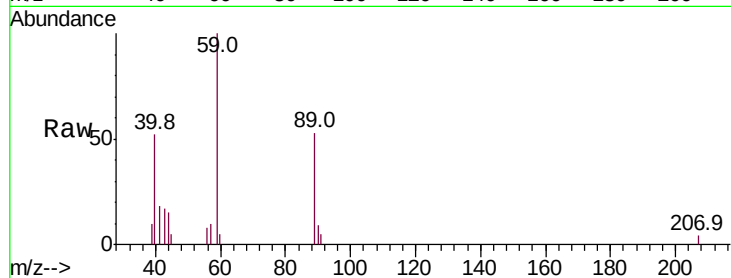


#11

Tert butyl alcohol
 Concen: 143.245 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

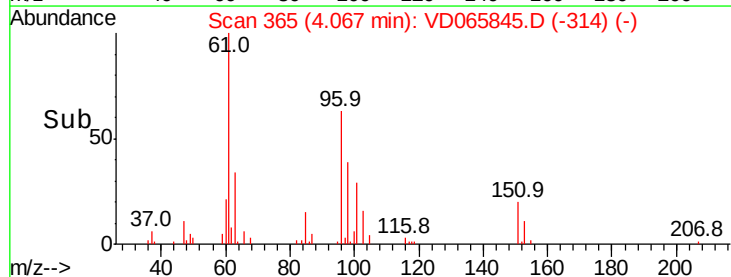
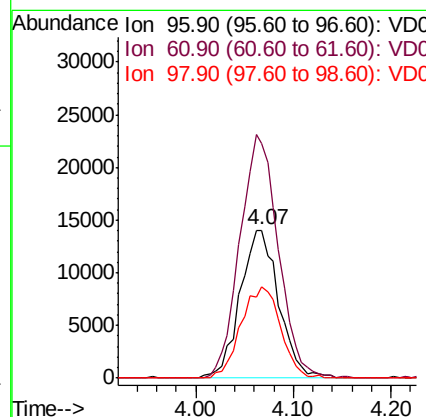
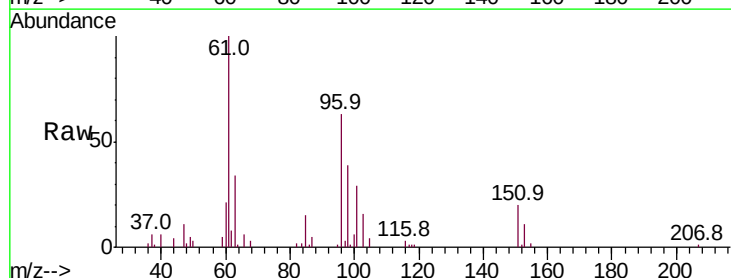
Tot Ion: 59 Resp: 16212
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

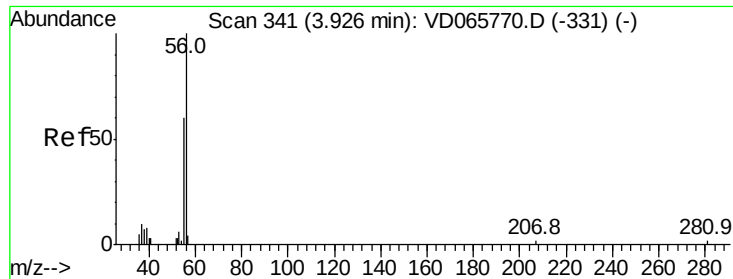


#12

1,1-Dichloroethene
 Concen: 23.126 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion: 96 Resp: 38812
 Ion Ratio Lower Upper
 96 100
 61 158.5 132.3 198.5
 98 61.7 50.7 76.1





#13

Acrolein

Concen: 76.783 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

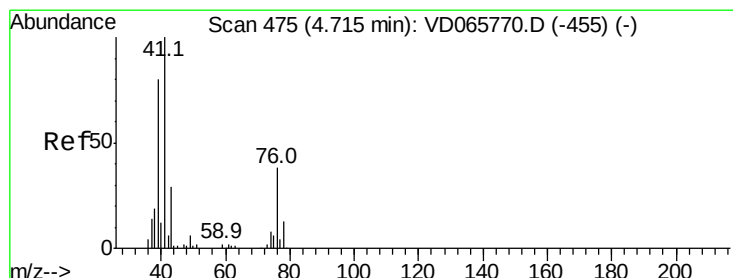
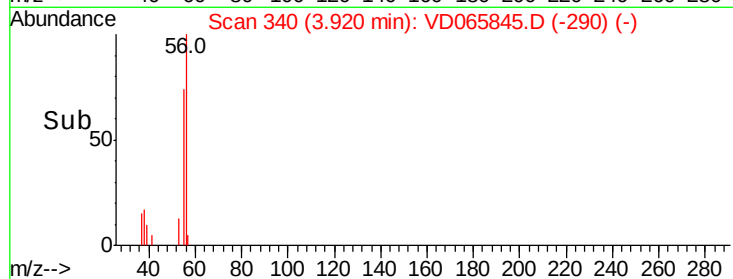
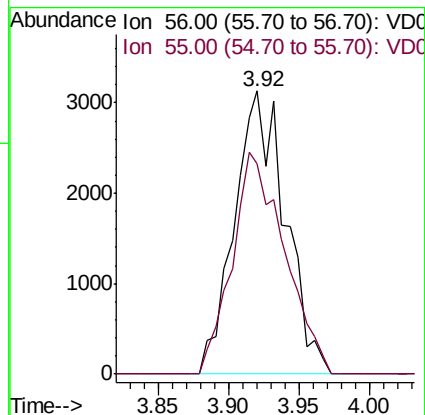
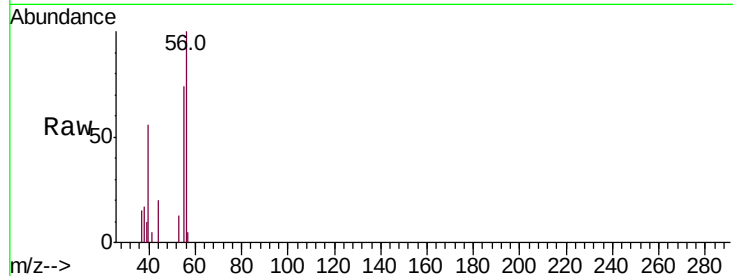
VD0622SBS01

Tot Ion: 56 Resp: 7873

Ion Ratio Lower Upper

56 100

55 80.8 54.8 82.2



#14

Allyl chloride

Concen: 22.217 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

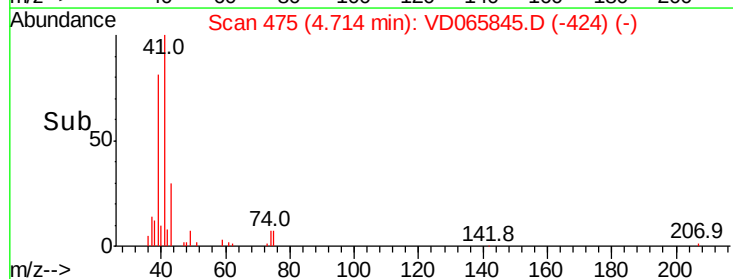
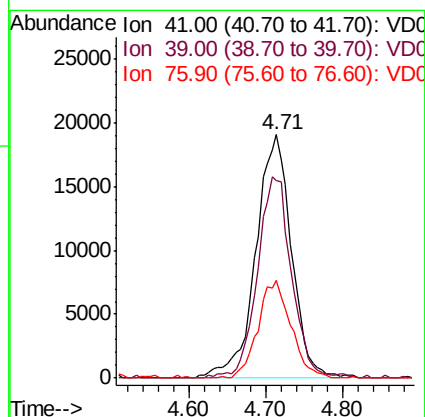
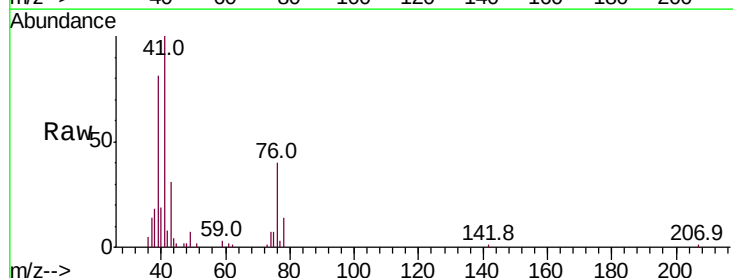
Tgt Ion: 41 Resp: 61626

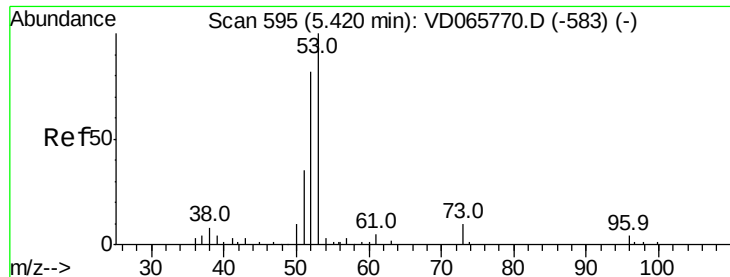
Ion Ratio Lower Upper

41 100

39 78.9 60.9 91.3

76 37.0 28.9 43.3





#15

Acrylonitrile

Concen: 117.843 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

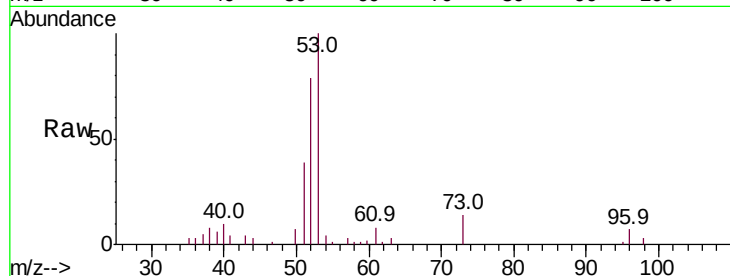
Tot Ion: 53 Resp: 43455

Ion Ratio Lower Upper

53 100

52 85.9 66.2 99.2

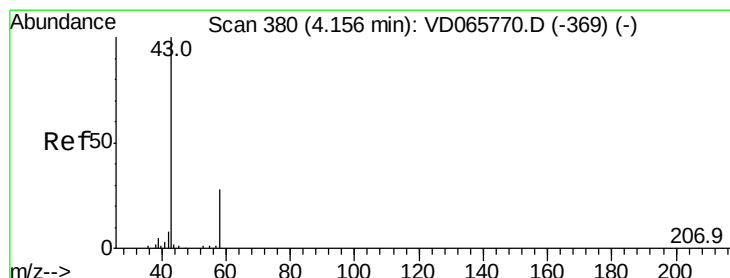
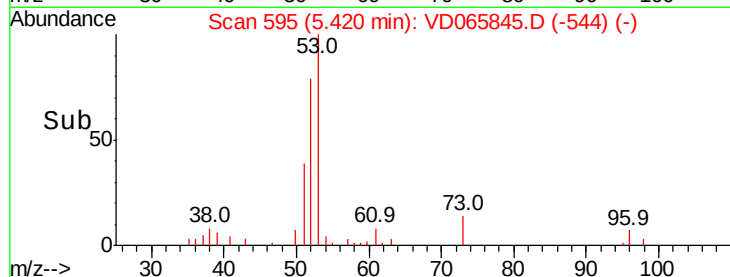
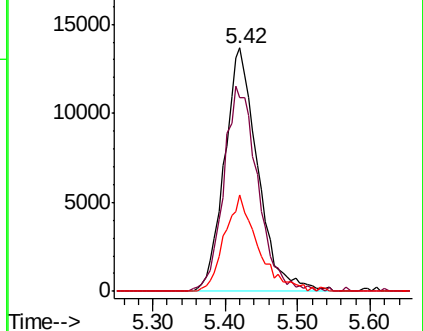
51 39.7 30.7 46.1



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: 130.768 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065845.D

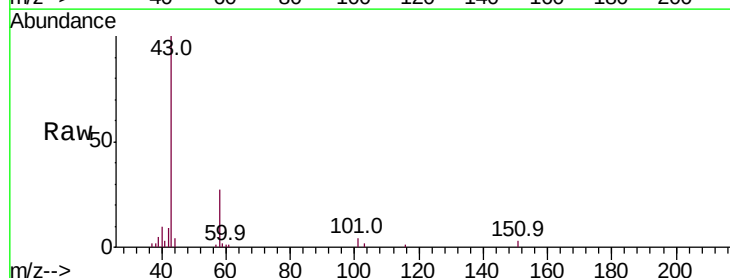
Acq: 22 Jun 2020 15:35

Tgt Ion: 43 Resp: 45030

Ion Ratio Lower Upper

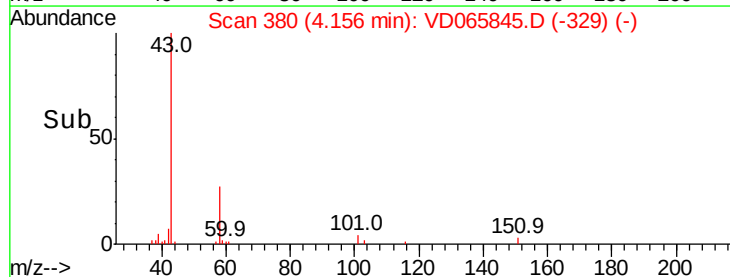
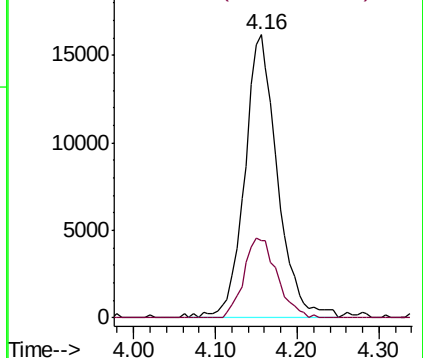
43 100

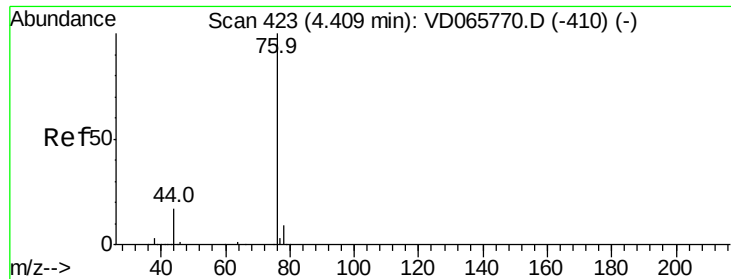
58 27.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 21.584 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

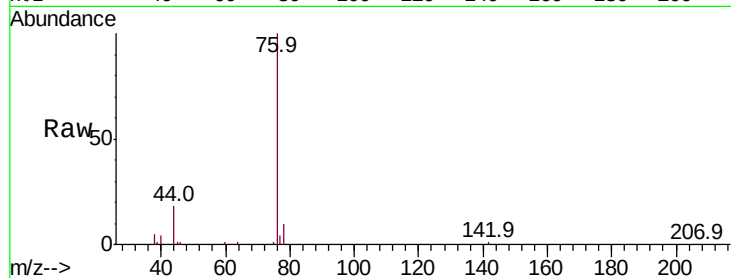
VD0622SBS01

Tot Ion: 76 Resp: 121583

Ion Ratio Lower Upper

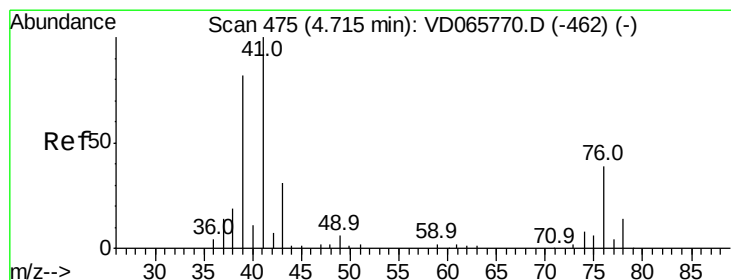
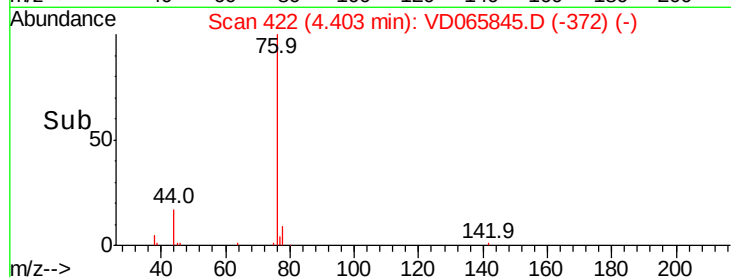
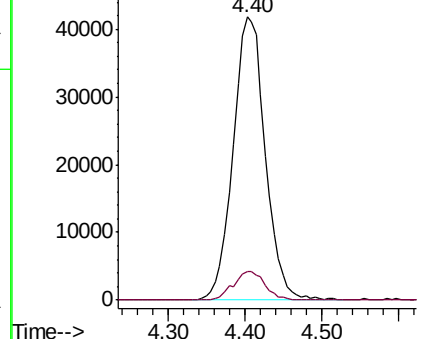
76 100

78 10.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 24.605 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065845.D

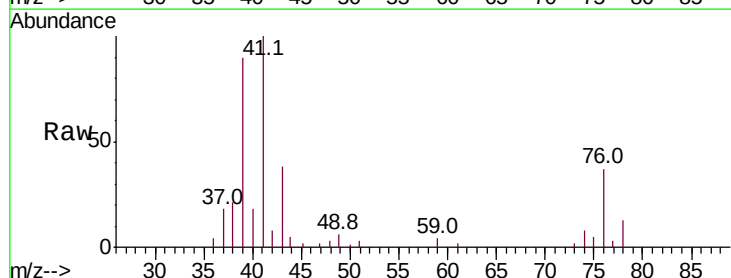
Acq: 22 Jun 2020 15:35

Tgt Ion: 43 Resp: 20544

Ion Ratio Lower Upper

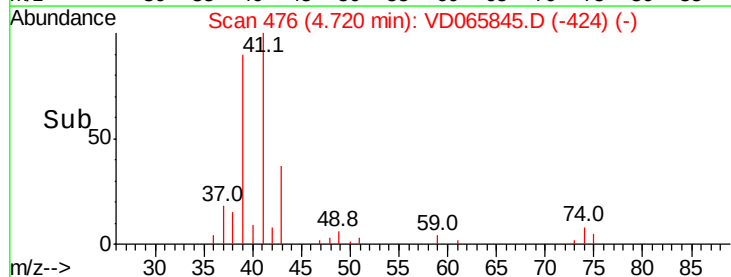
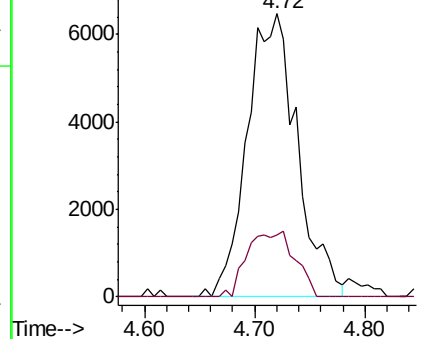
43 100

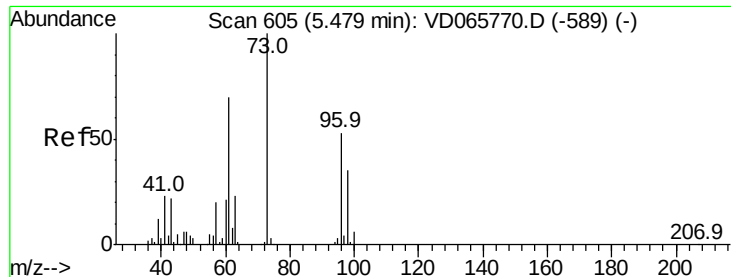
74 22.2 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 23.074 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

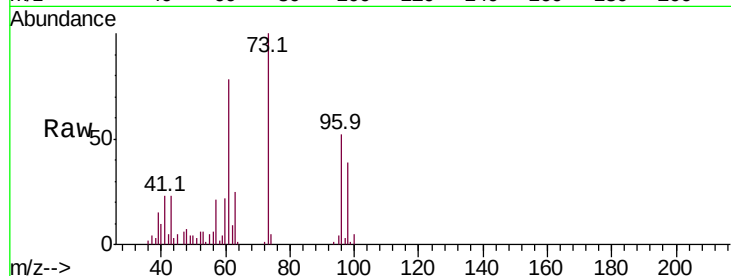
VD0622SBS01

Tot Ion: 73 Resp: 87715

Ion Ratio Lower Upper

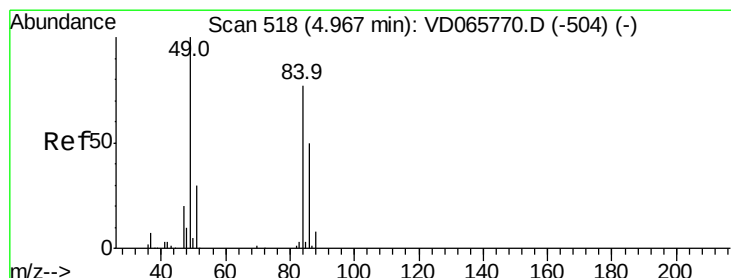
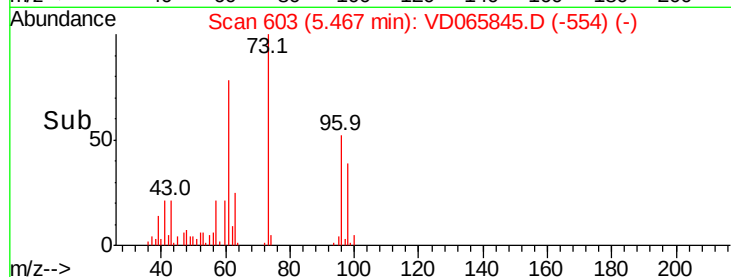
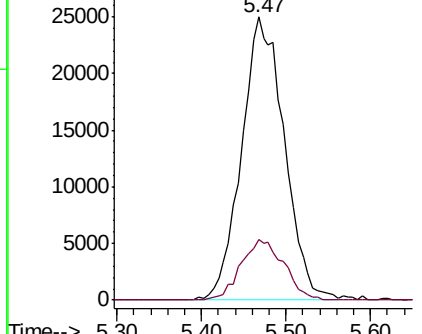
73 100

57 21.5 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 27.791 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Tgt Ion: 84 Resp: 54437

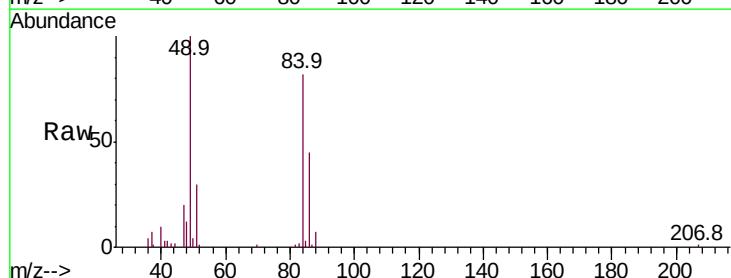
Ion Ratio Lower Upper

84 100

49 122.6 103.4 155.0

51 36.7 31.4 47.2

86 54.8 51.7 77.5

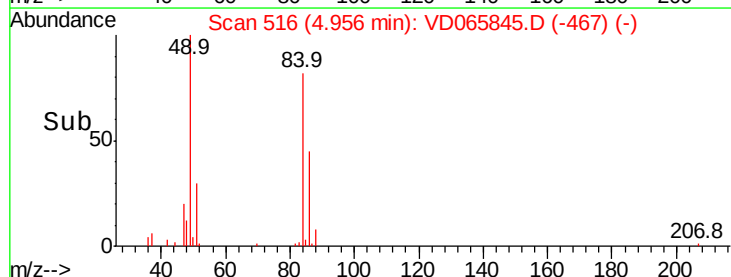
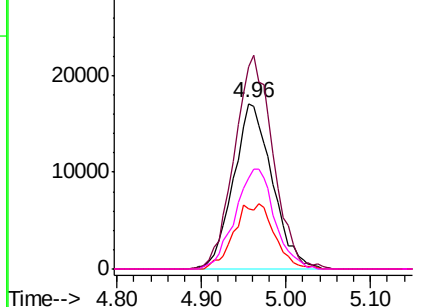


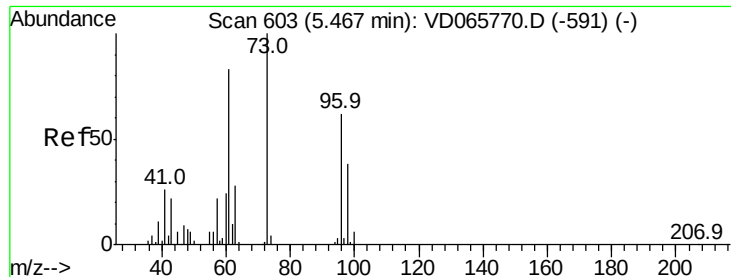
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 22.676 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

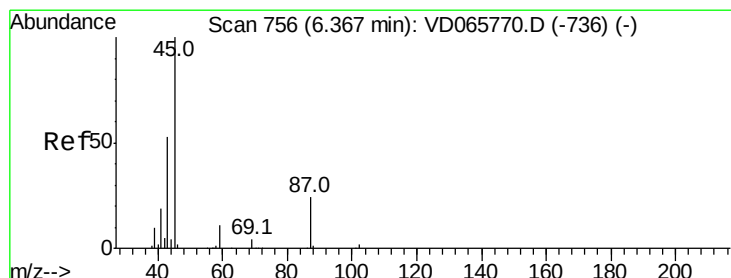
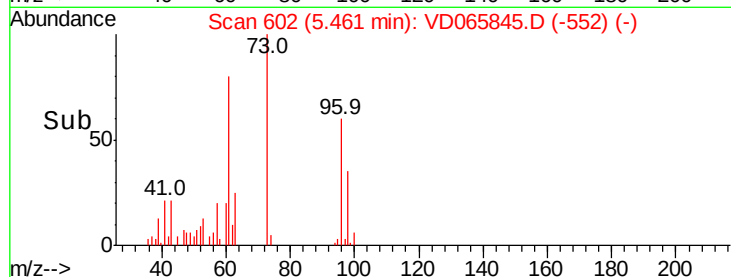
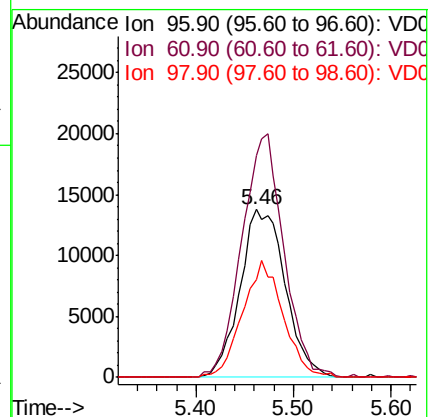
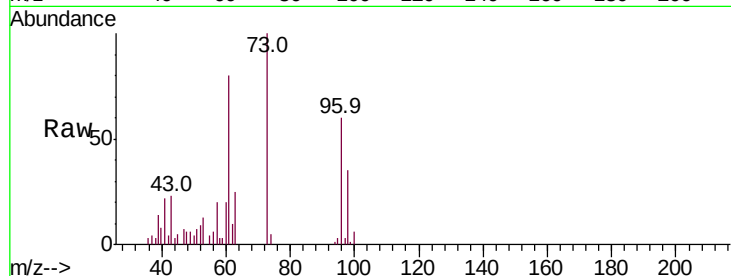
Tot Ion: 96 Resp: 44570

Ion Ratio Lower Upper

96 100

61 132.5 107.7 161.5

98 58.3 49.3 73.9



#22

Diisopropyl ether

Concen: 23.239 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Tgt Ion: 45 Resp: 130246

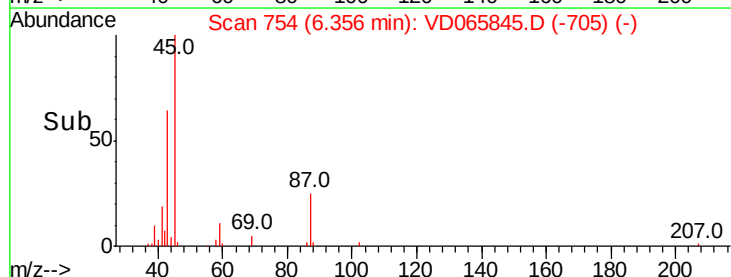
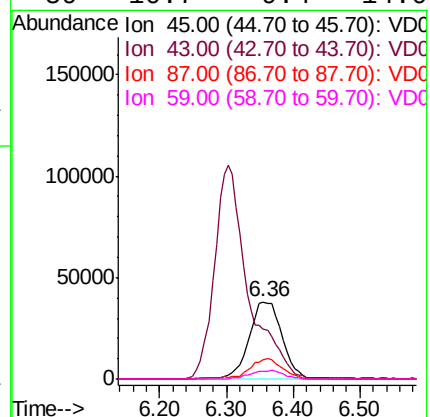
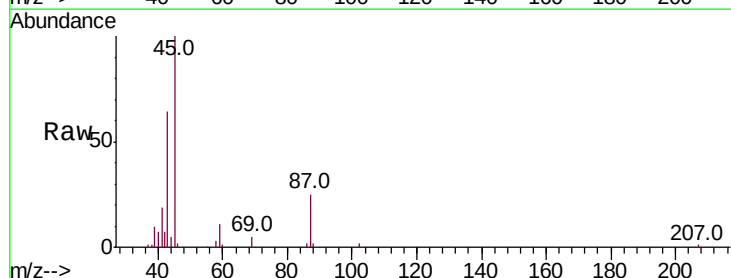
Ion Ratio Lower Upper

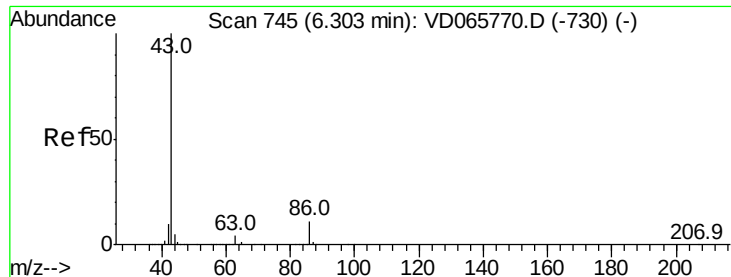
45 100

43 63.1 43.4 65.0

87 24.8 20.2 30.4

59 10.7 9.4 14.0





#23

Vinyl Acetate

Concen: 116.844 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

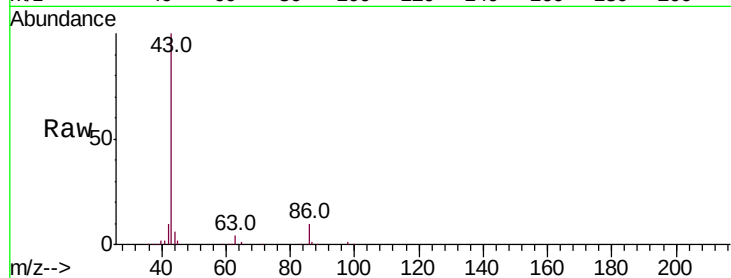
VD0622SBS01

Tot Ion: 43 Resp: 369802

Ion Ratio Lower Upper

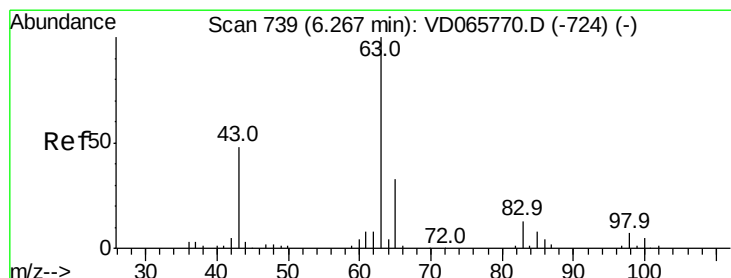
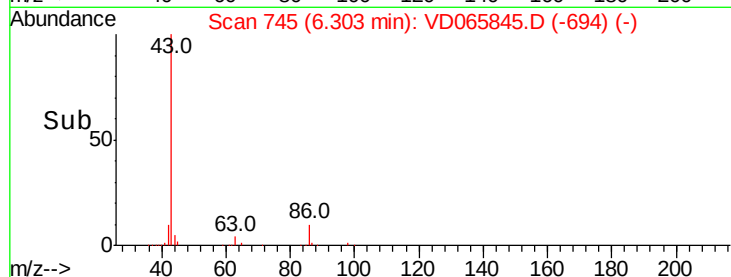
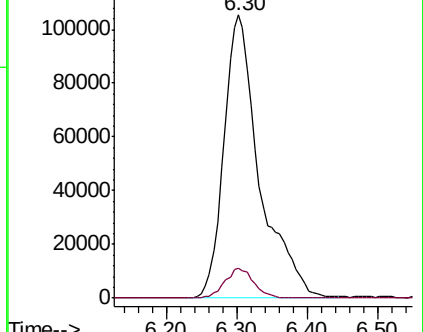
43 100

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: 22.748 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

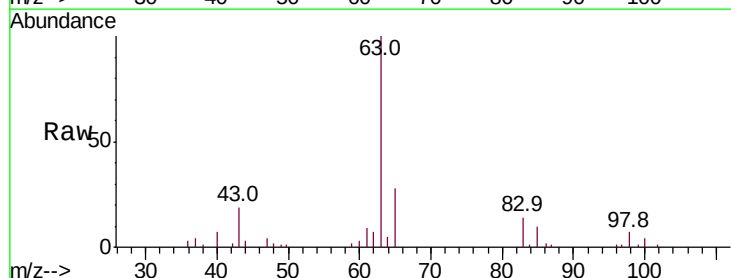
Tgt Ion: 63 Resp: 77684

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

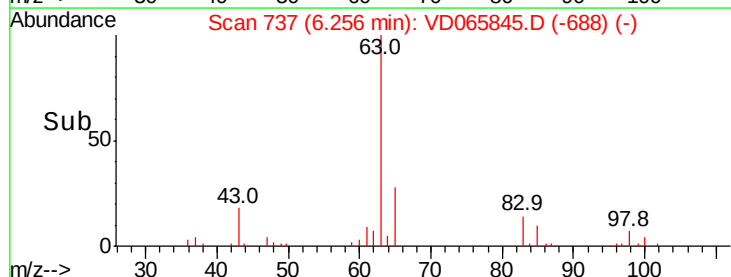
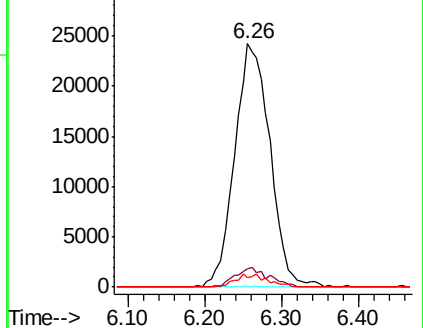
100 4.0 2.3 6.9

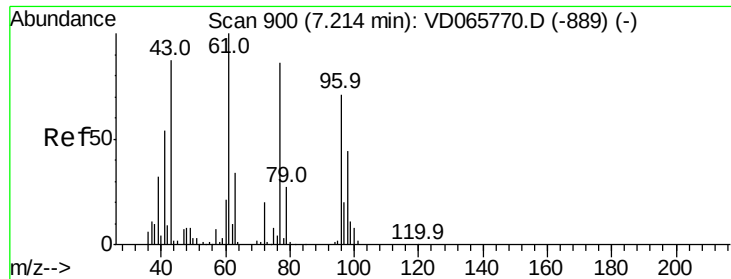


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 120.408 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

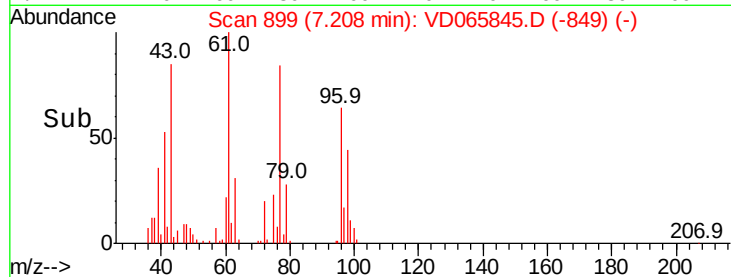
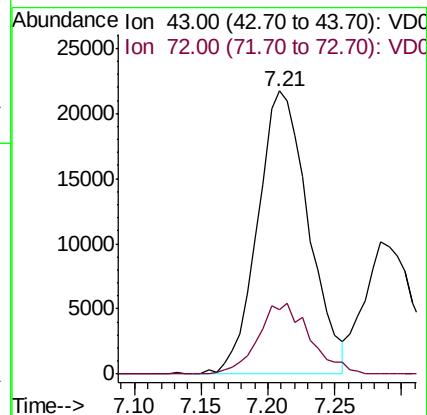
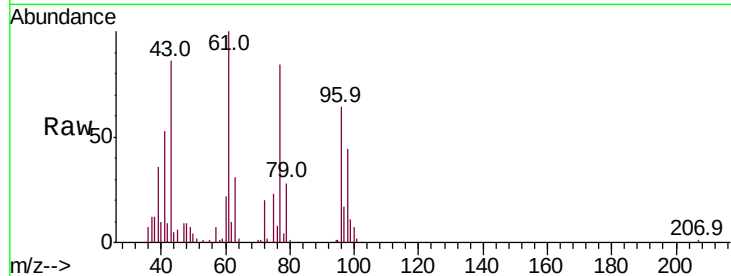
VD0622SBS01

Tot Ion: 43 Resp: 57262

Ion Ratio Lower Upper

43 100

72 22.8 18.5 27.7



#26

2,2-Dichloropropane

Concen: 22.237 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065845.D

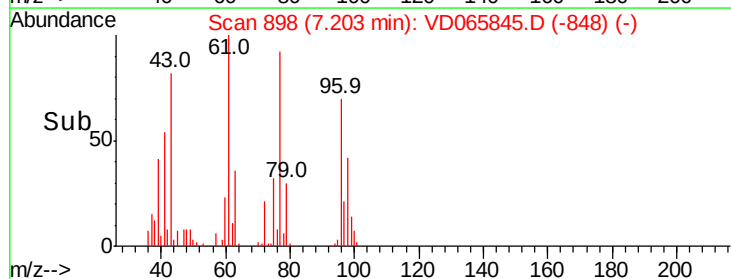
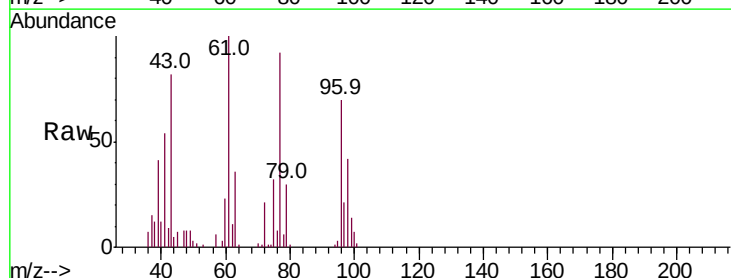
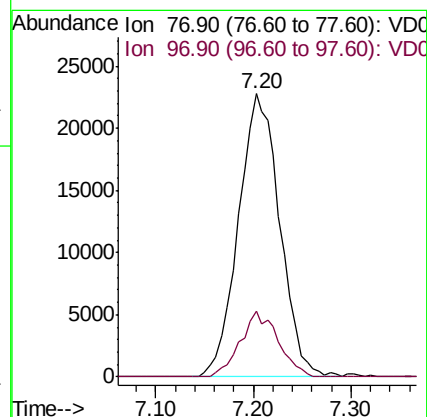
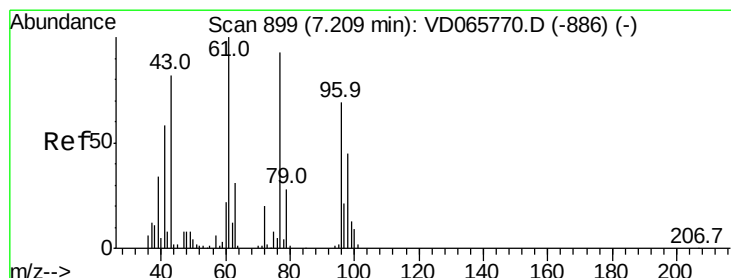
Acq: 22 Jun 2020 15:35

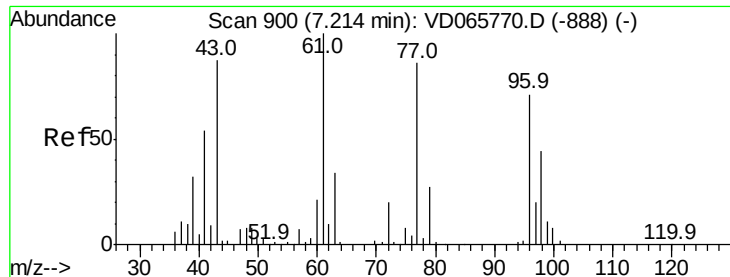
Tgt Ion: 77 Resp: 67333

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.7



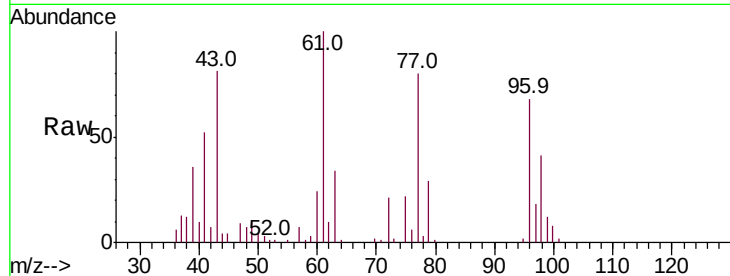


#27

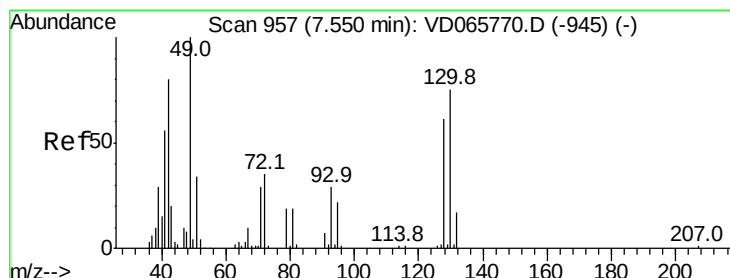
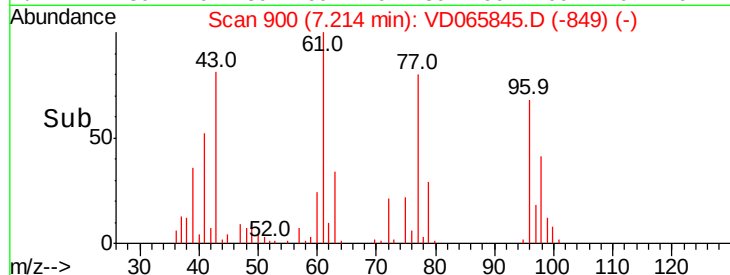
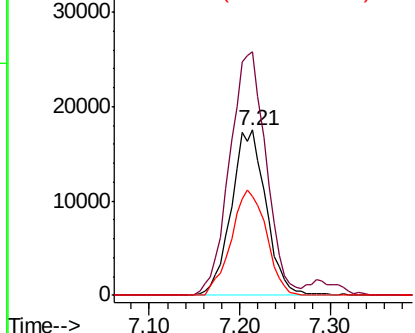
cis-1,2-Dichloroethene
Concen: 22.104 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 96 Resp: 46734
Ion Ratio Lower Upper
96 100
61 154.2 0.0 291.2
98 64.2 0.0 128.8



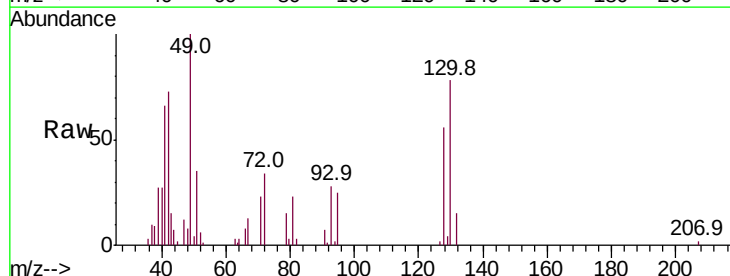
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



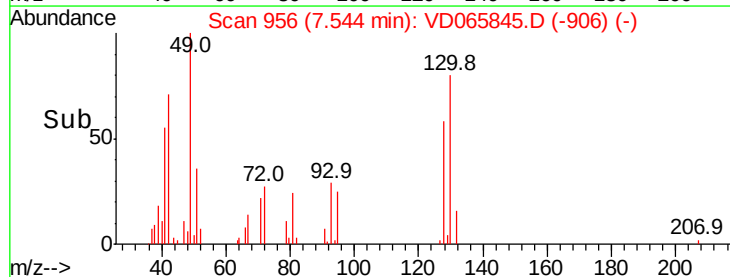
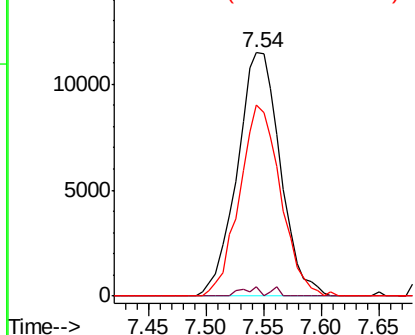
#28

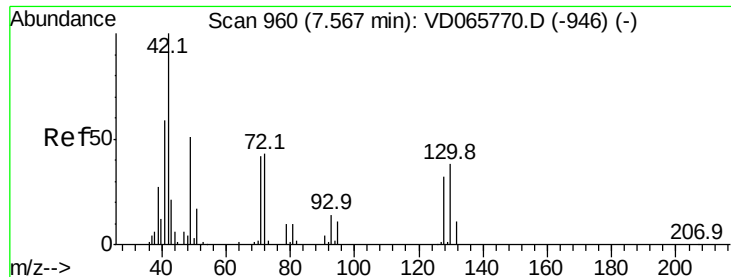
Bromochloromethane
Concen: 22.648 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 49 Resp: 29871
Ion Ratio Lower Upper
49 100
129 1.4 0.0 4.6
130 74.8 59.5 89.3



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

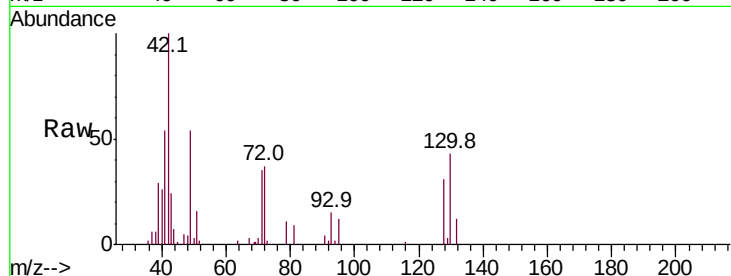




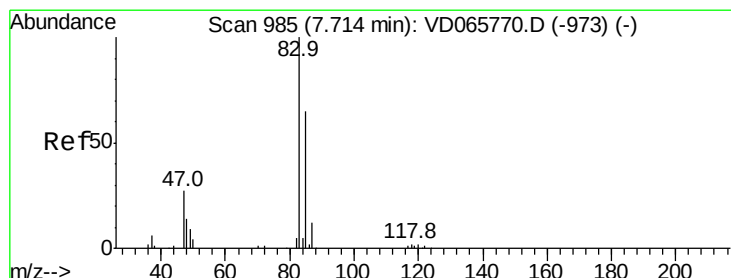
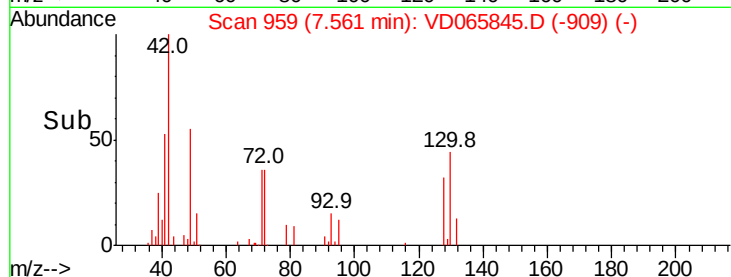
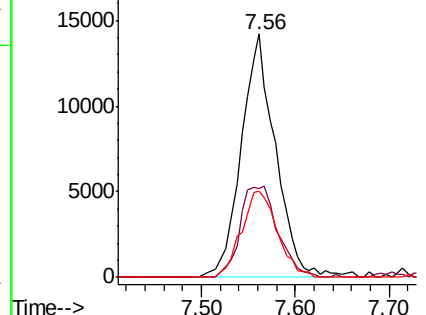
#29
Tetrahydrofuran
Concen: 119.637 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 42 Resp: 35959
Ion Ratio Lower Upper
42 100
72 41.1 34.9 52.3
71 36.9 31.2 46.8

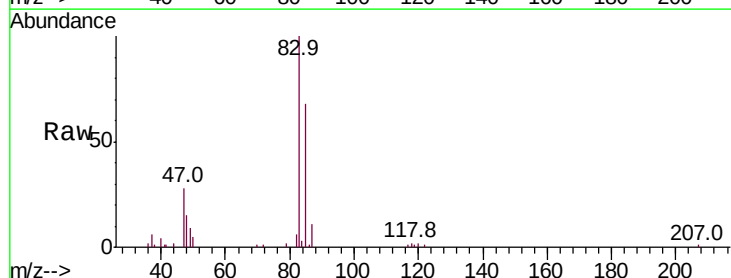


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

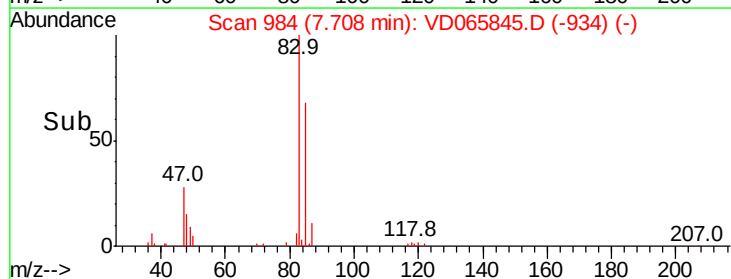
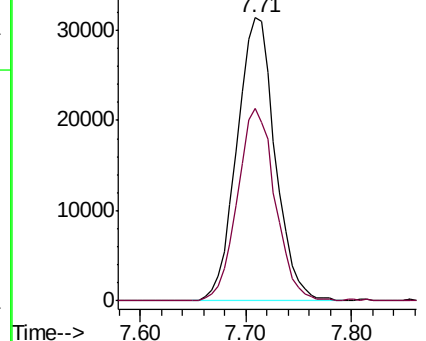


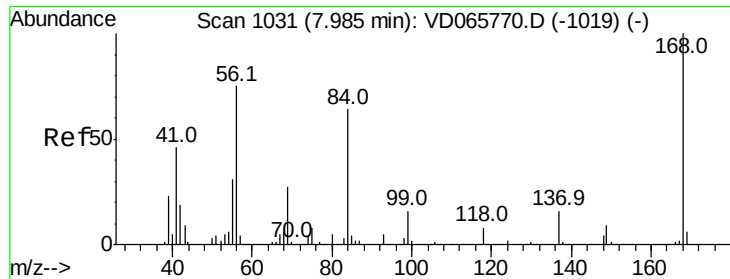
#30
Chloroform
Concen: 22.288 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 83 Resp: 78892
Ion Ratio Lower Upper
83 100
85 68.2 51.9 77.9



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

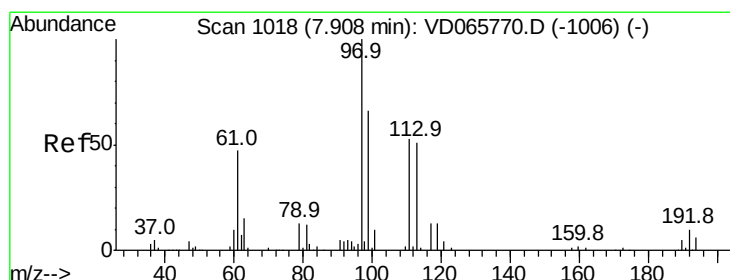
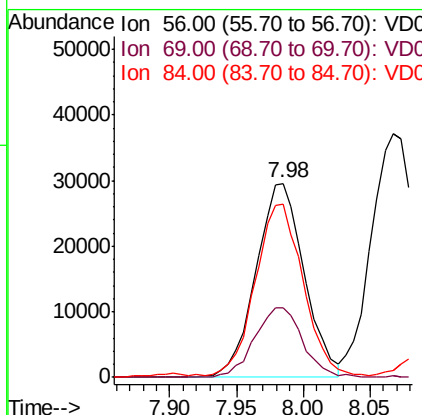
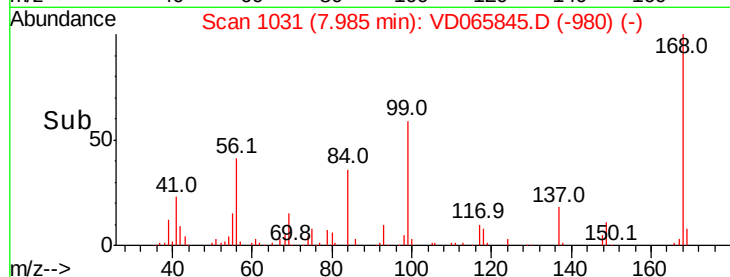
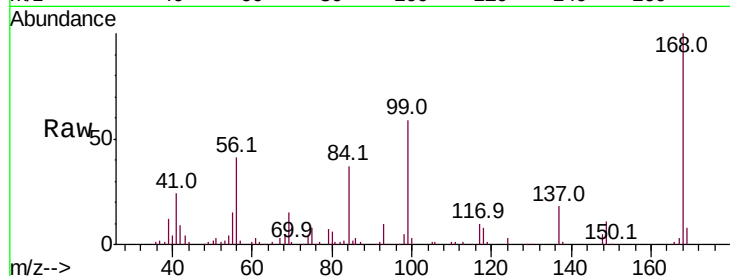




#31
Cyclohexane
Concen: 22.621 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

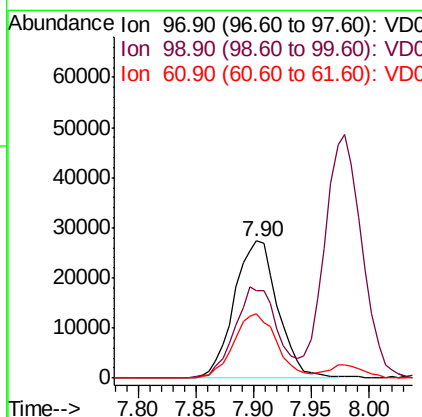
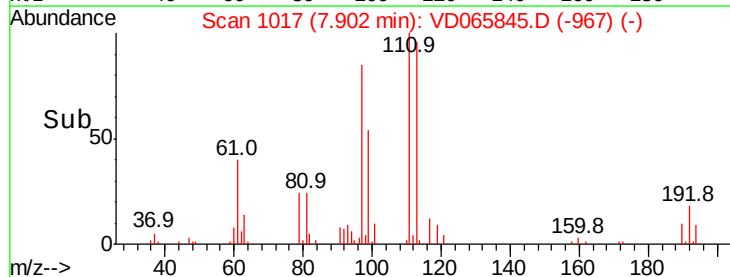
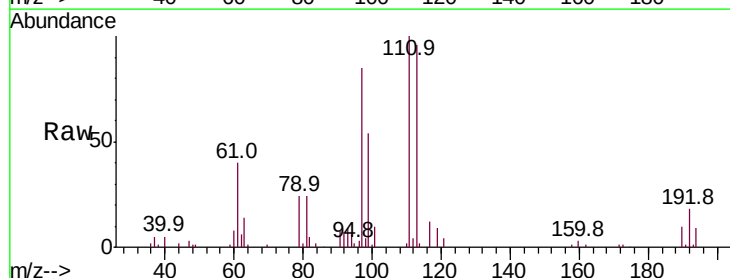
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

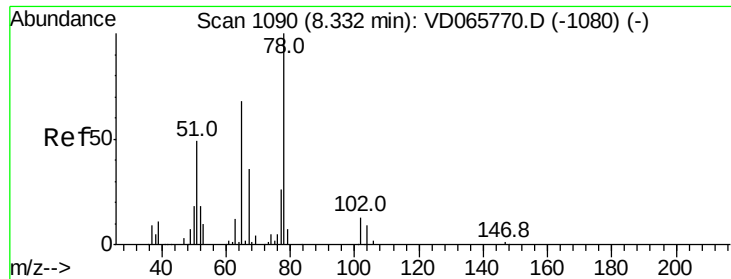
Tot Ion: 56 Resp: 74057
Ion Ratio Lower Upper
56 100
69 35.7 28.5 42.7
84 88.1 68.4 102.6



#32
1,1,1-Trichloroethane
Concen: 22.001 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 97 Resp: 71608
Ion Ratio Lower Upper
97 100
99 64.9 49.2 73.8
61 46.4 36.0 54.0

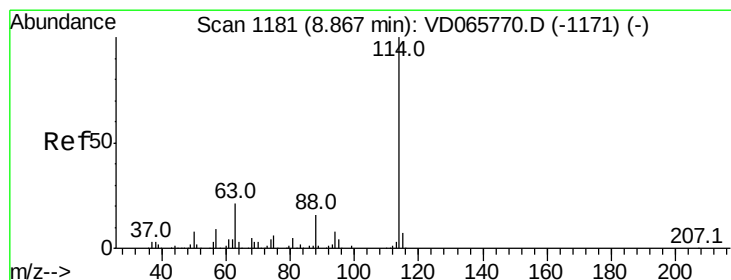
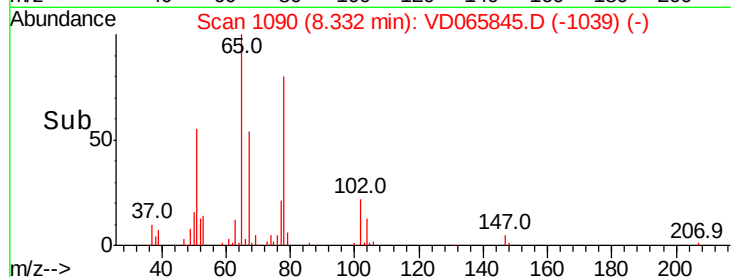
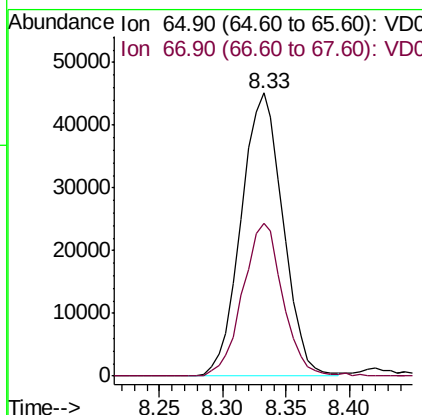
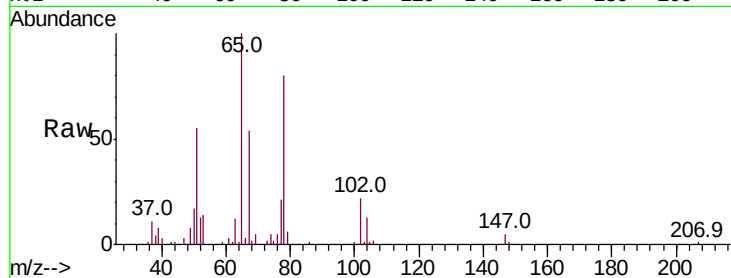




#33
 1,2-Dichloroethane-d4
 Concen: 56.781 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

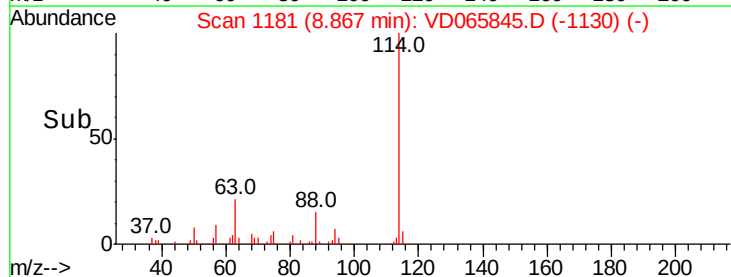
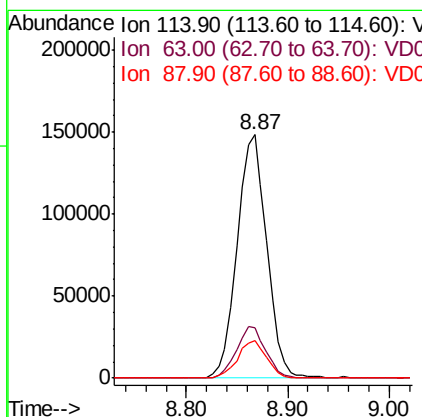
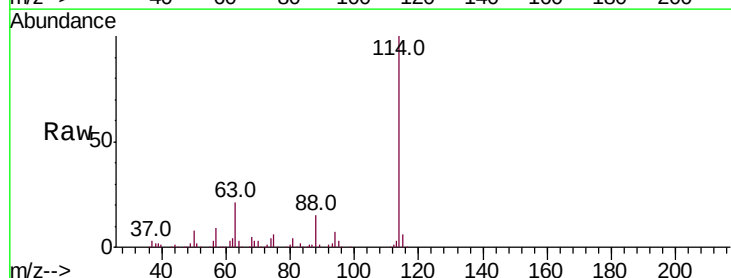
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

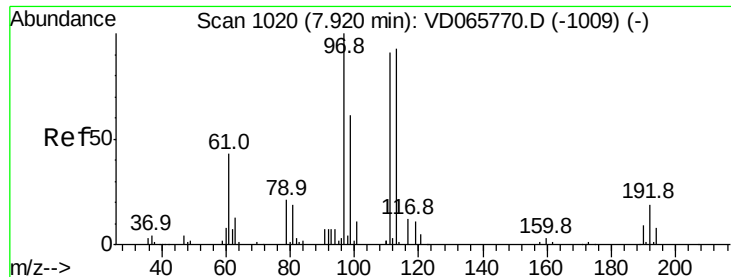
Tot Ion: 65 Resp: 103654
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion:114 Resp: 300563
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.8
 88 15.4 0.0 32.0

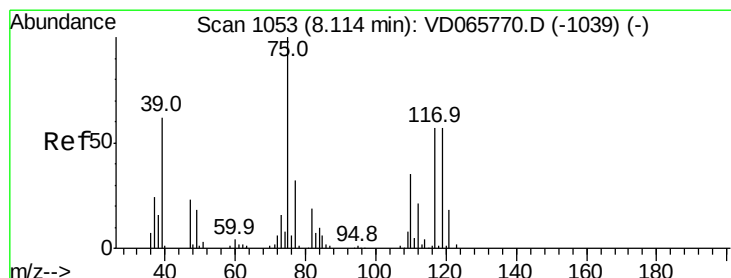
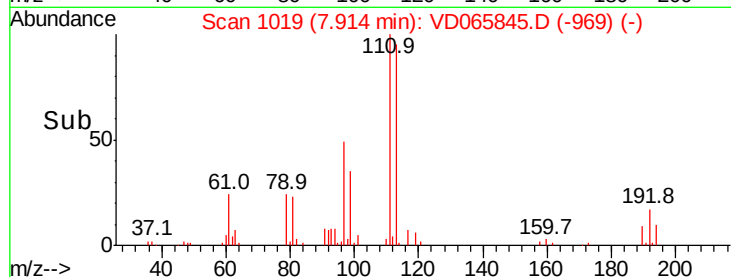
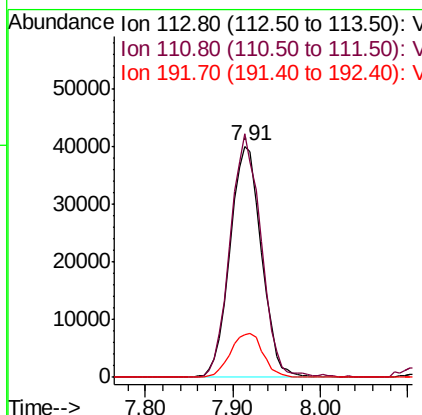
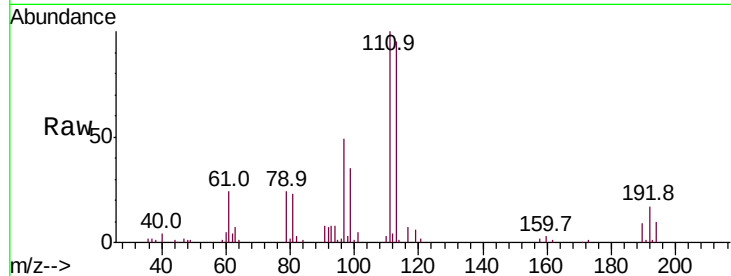




#35
 Dibromofluoromethane
 Concen: 51.400 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

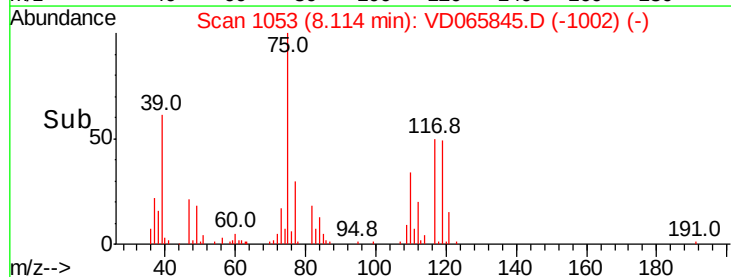
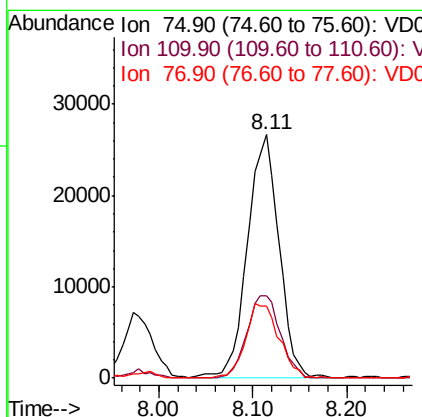
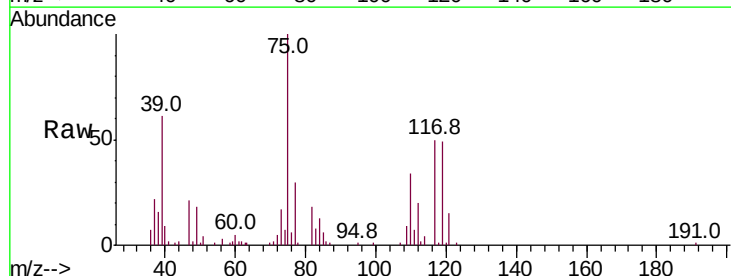
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

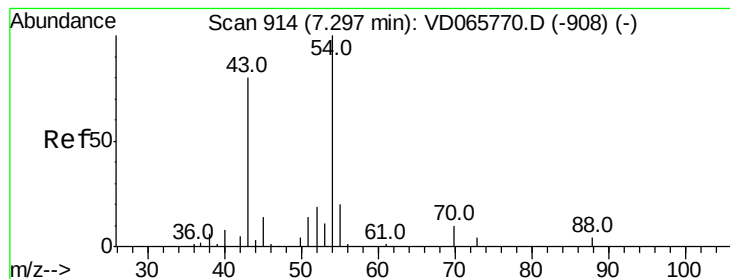
Tot Ion:113 Resp: 97584
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.0
 192 19.5 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 21.628 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion: 75 Resp: 62271
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.6 52.8
 77 32.4 25.1 37.7





#37

Ethyl Acetate

Concen: 23.989 ug/l

RT: 7.28 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

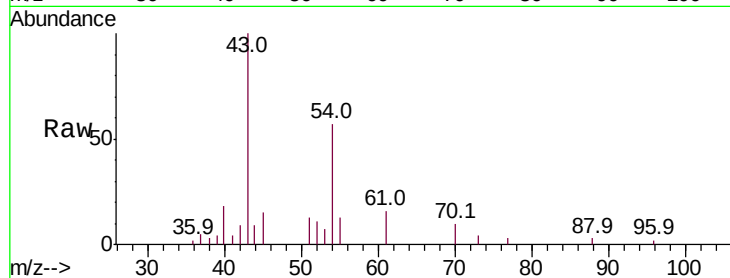
Tot Ion: 43 Resp: 27206

Ion Ratio Lower Upper

43 100

61 14.2 10.6 15.8

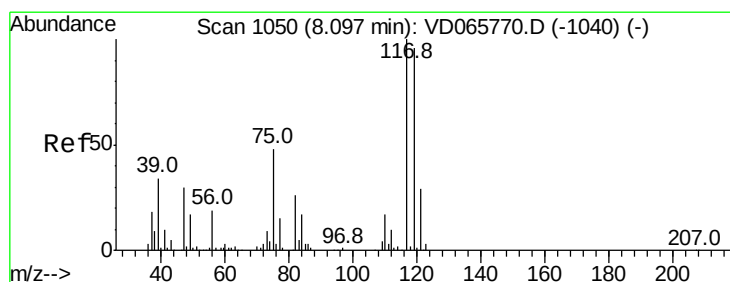
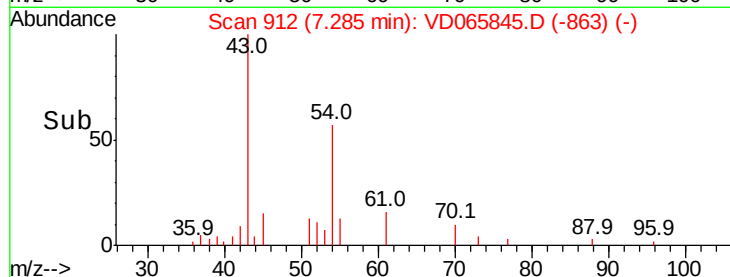
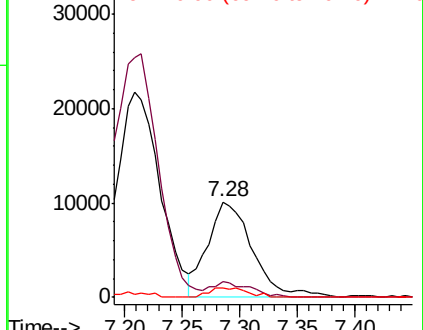
70 8.5 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 22.169 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

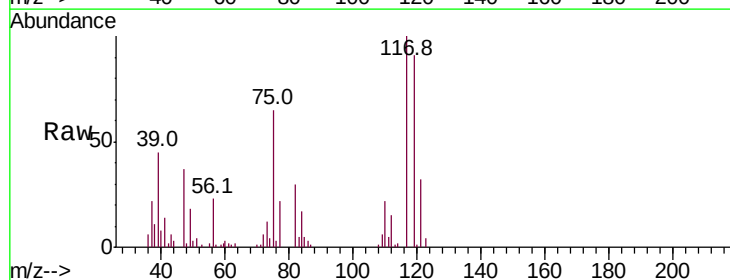
Tgt Ion: 117 Resp: 67173

Ion Ratio Lower Upper

117 100

119 90.7 76.8 115.2

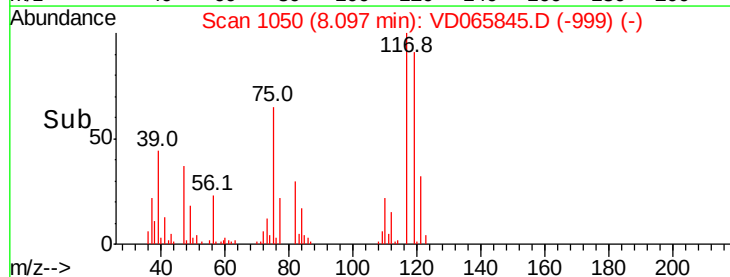
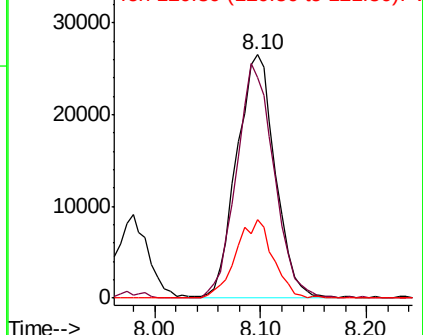
121 32.1 23.4 35.2

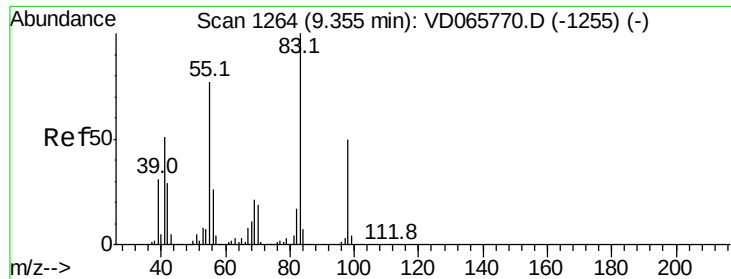


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

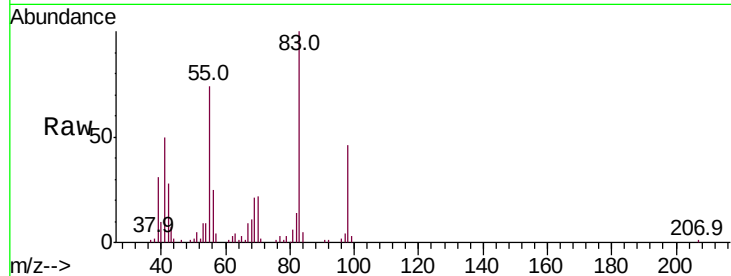




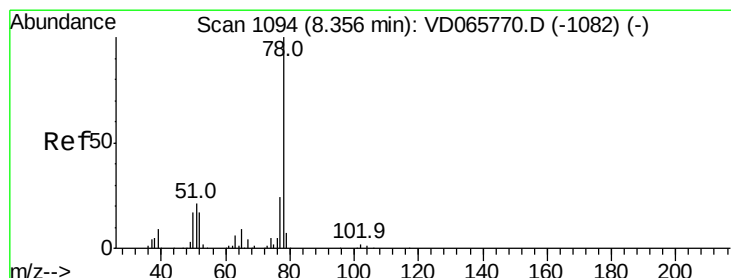
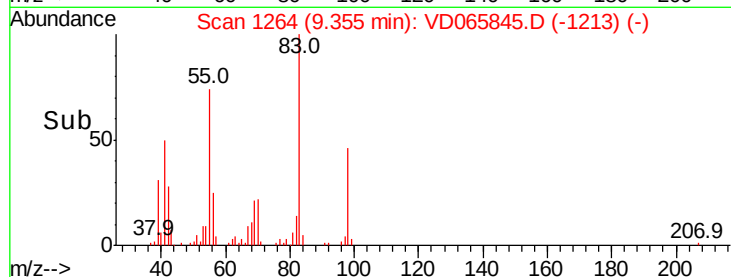
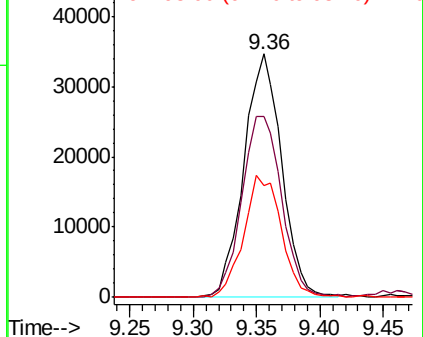
#39
Methylvlcyclohexane
Concen: 21.099 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 83 Resp: 71925
Ion Ratio Lower Upper
83 100
55 74.2 61.6 92.4
98 45.8 40.2 60.2

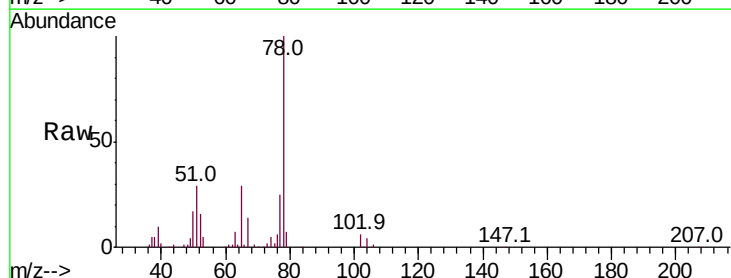


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

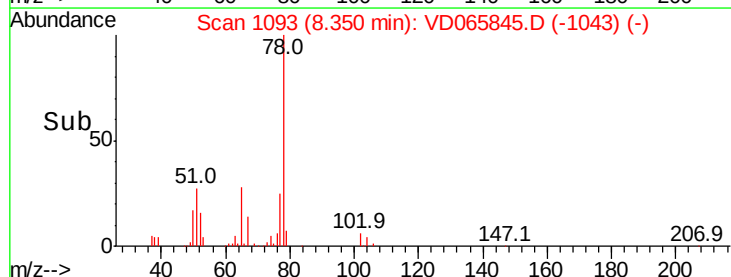
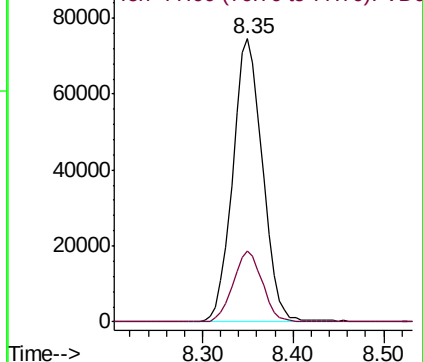


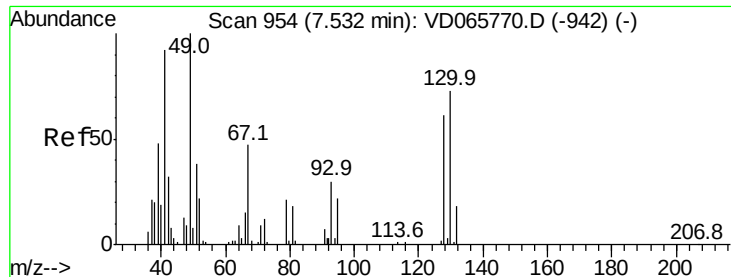
#40
Benzene
Concen: 21.666 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 78 Resp: 170534
Ion Ratio Lower Upper
78 100
77 25.1 19.2 28.8



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

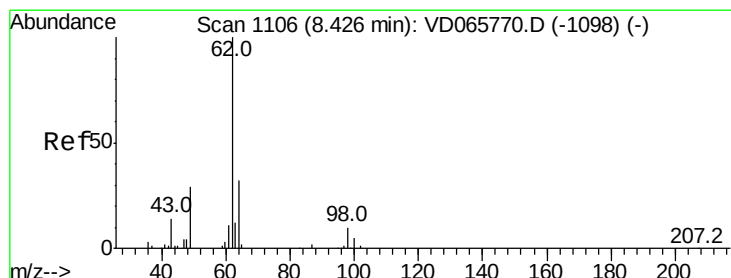
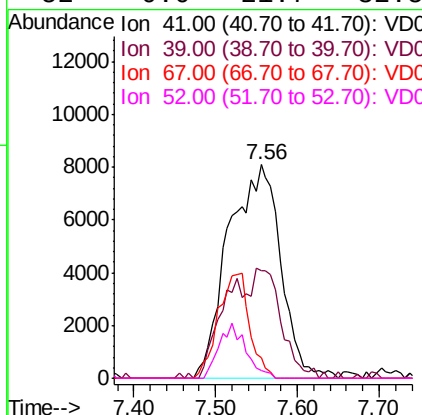
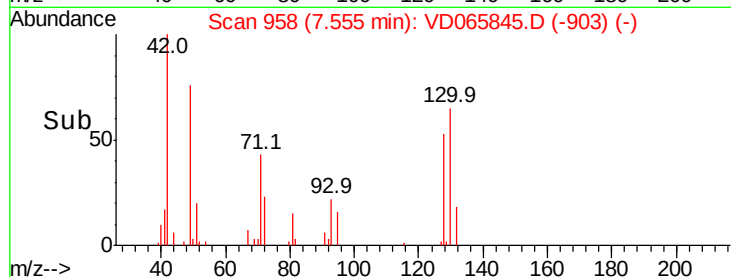
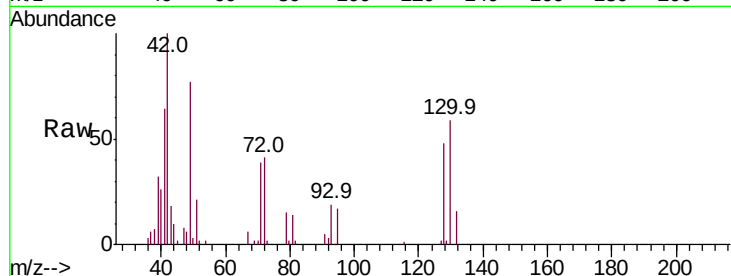




#41
Methacrylonitrile
Concen: 52.996 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.02 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

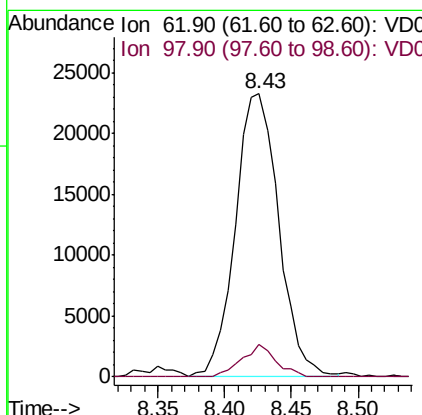
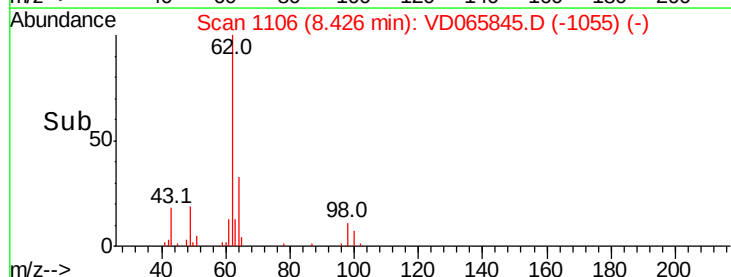
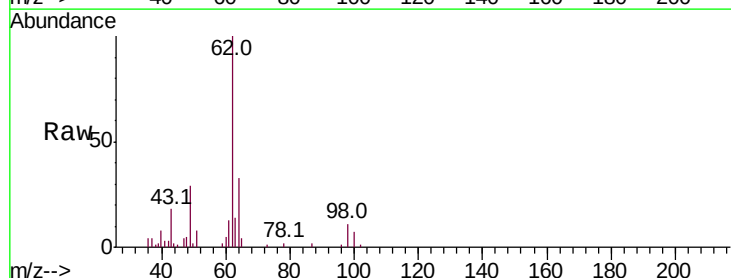
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

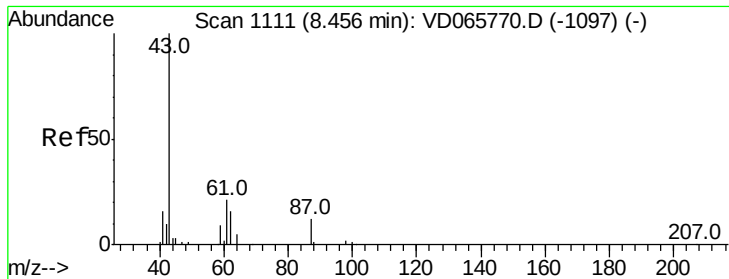
Tot Ion: 41 Resp: 35787
Ion Ratio Lower Upper
41 100
39 26.6 38.3 57.5#
67 0.0 49.8 74.6#
52 0.0 21.7 32.5#



#42
1,2-Dichloroethane
Concen: 22.125 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 62 Resp: 52545
Ion Ratio Lower Upper
62 100
98 8.9 0.0 18.6





#43

Isopropyl Acetate

Concen: 21.778 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

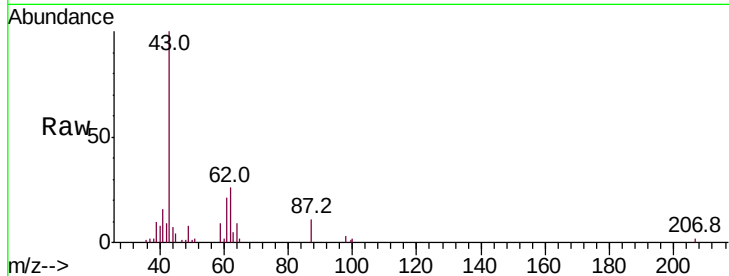
Tot Ion: 43 Resp: 49113

Ion Ratio Lower Upper

43 100

61 29.7 24.2 36.4

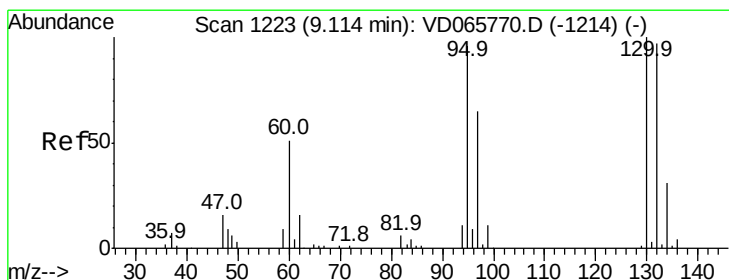
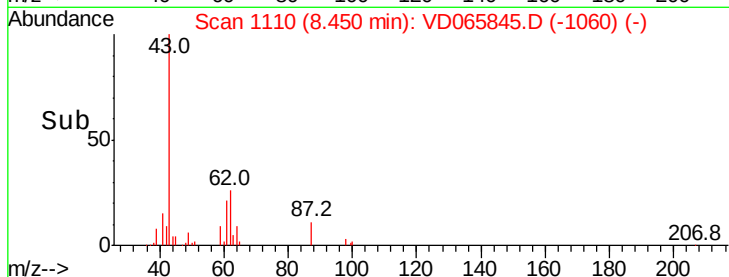
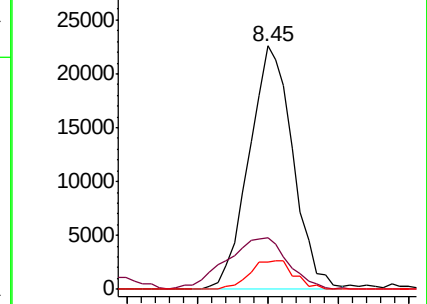
87 11.9 9.5 14.3



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: 20.782 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065845.D

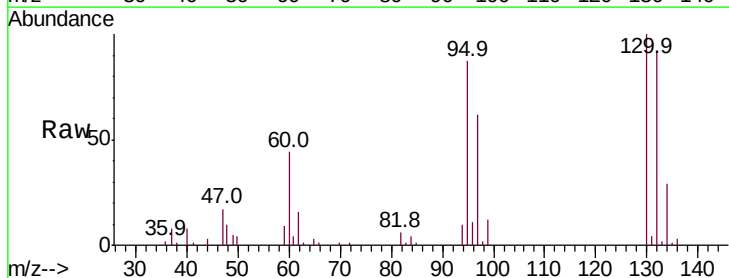
Acq: 22 Jun 2020 15:35

Tgt Ion:130 Resp: 45523

Ion Ratio Lower Upper

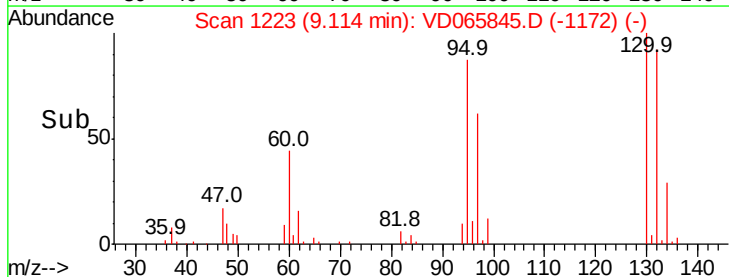
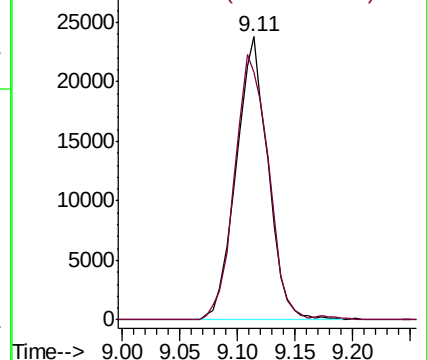
130 100

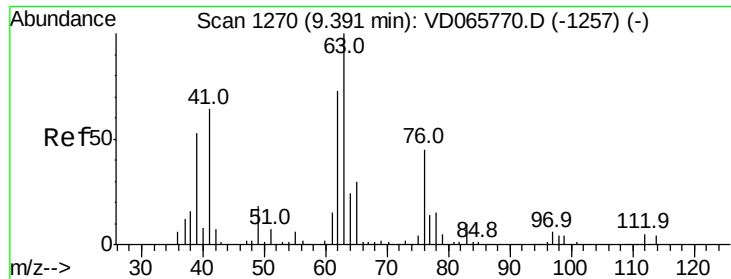
95 87.5 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

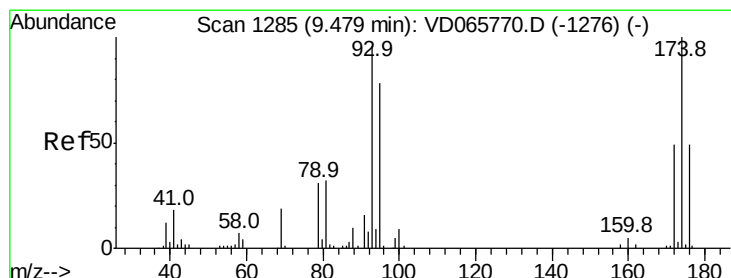
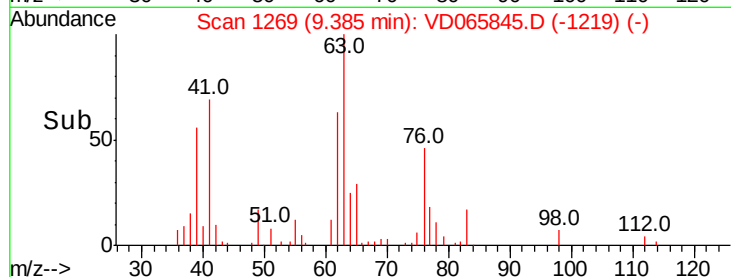
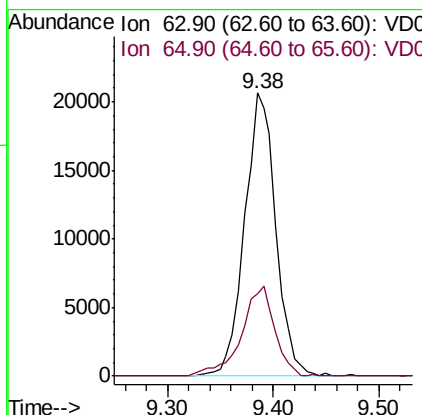
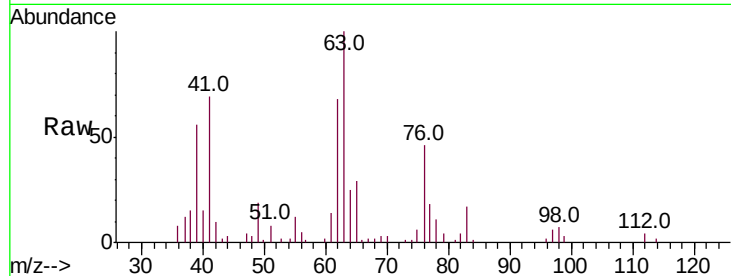




#45
 1,2-Dichloropropane
 Concen: 21.407 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

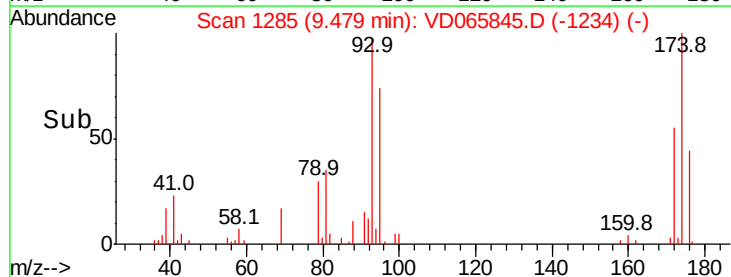
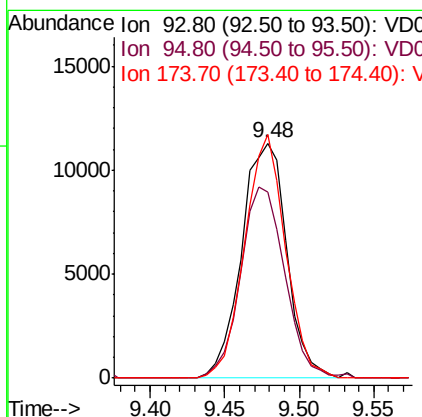
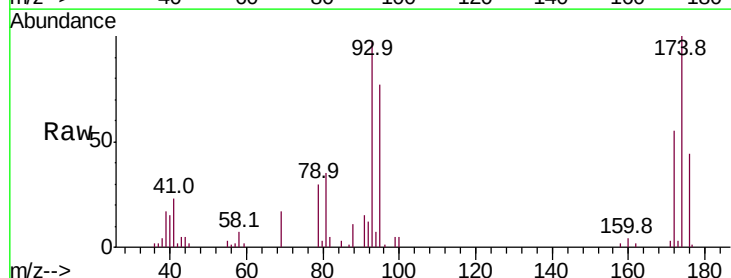
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

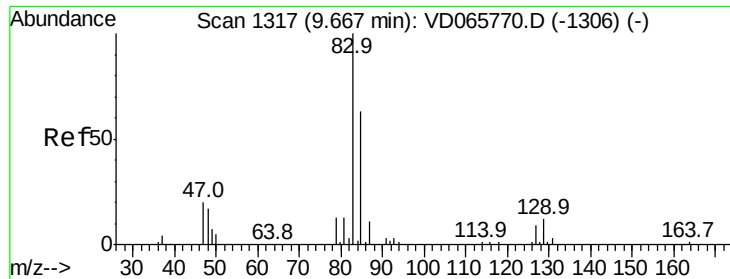
Tot Ion: 63 Resp: 42338
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.2 36.2



#46
 Dibromomethane
 Concen: 22.006 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion: 93 Resp: 23604
 Ion Ratio Lower Upper
 93 100
 95 80.2 65.8 98.6
 174 93.9 80.9 121.3





#47

Bromodichloromethane

Concen: 21.509 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

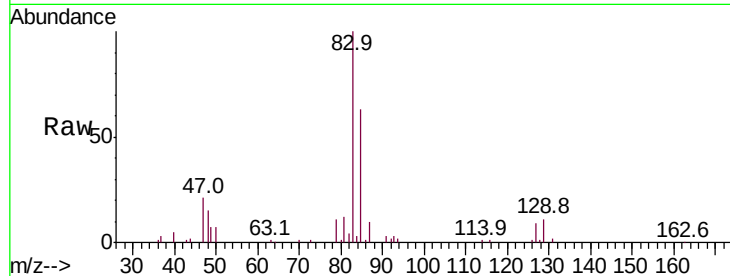
Tot Ion: 83 Resp: 61825

Ion Ratio Lower Upper

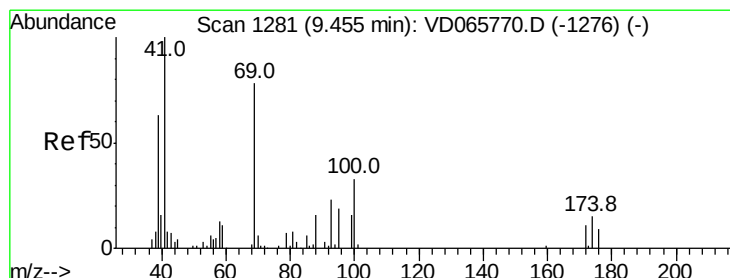
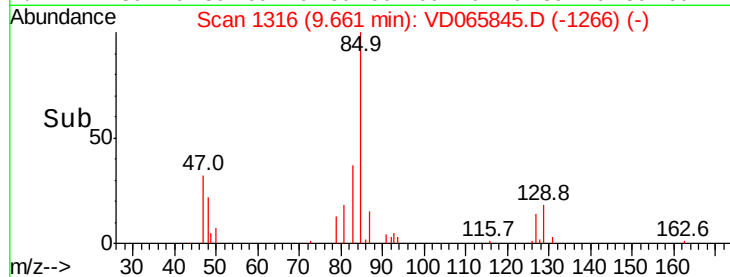
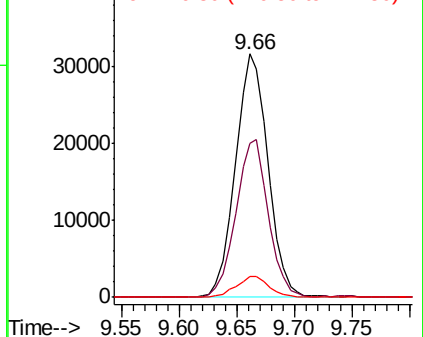
83 100

85 63.4 50.7 76.1

127 8.7 7.1 10.7



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



#48

Methyl methacrylate

Concen: 23.391 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

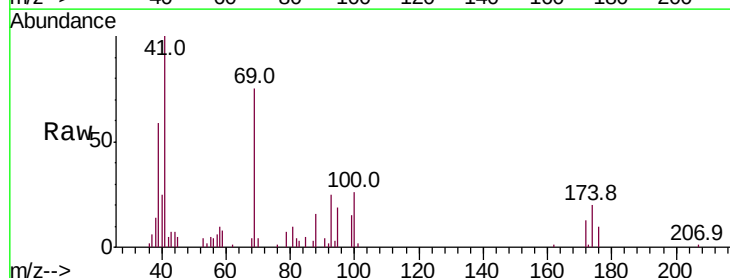
Tgt Ion: 41 Resp: 25533

Ion Ratio Lower Upper

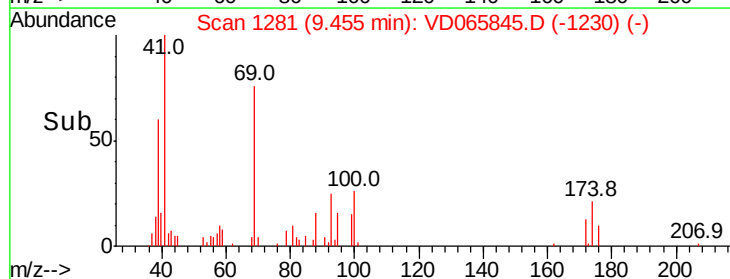
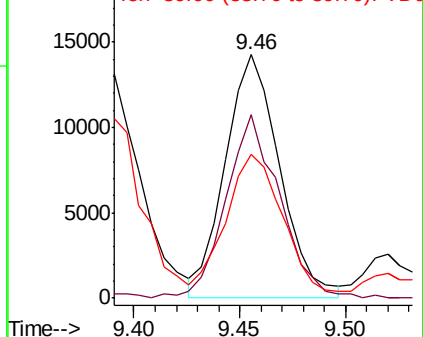
41 100

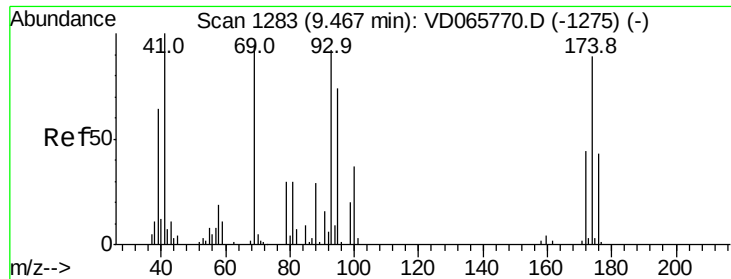
69 74.7 60.9 91.3

39 57.5 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

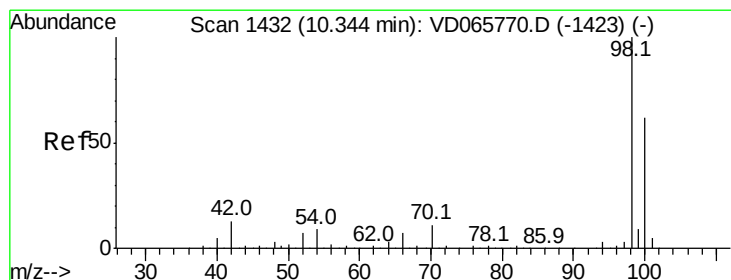
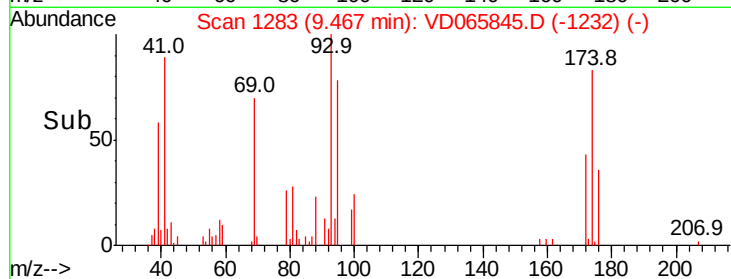
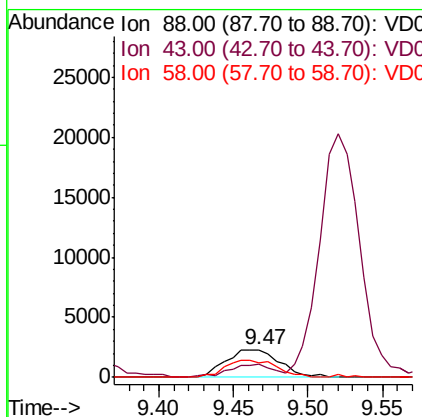
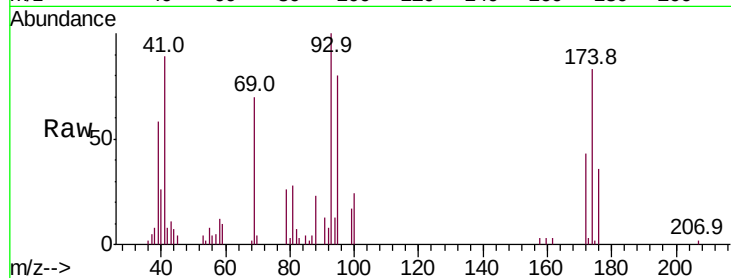




#49
1,4-Dioxane
Concen: 507.143 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

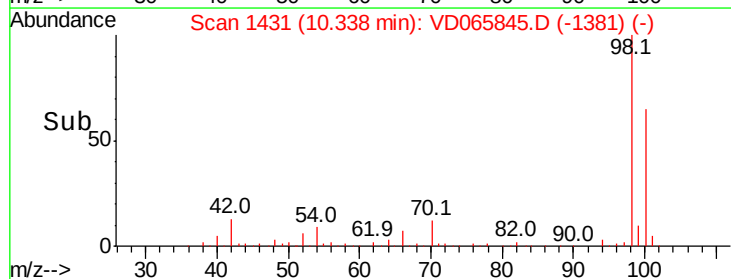
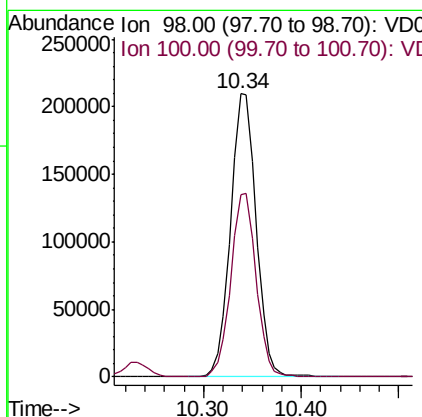
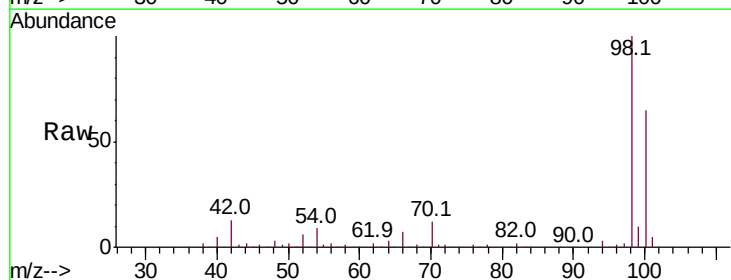
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

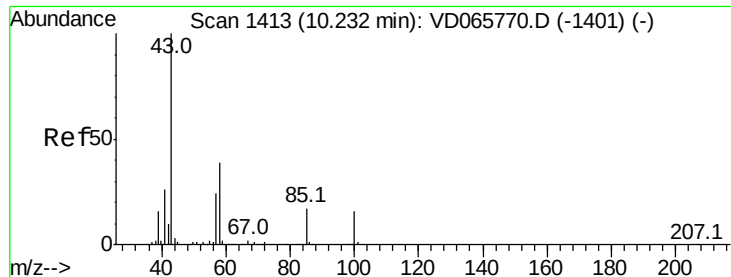
Tot Ion: 88 Resp: 5790
Ion Ratio Lower Upper
88 100
43 40.3 32.2 48.4
58 58.5 54.9 82.3



#50
Toluene-d8
Concen: 54.183 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 98 Resp: 383584
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 114.091 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

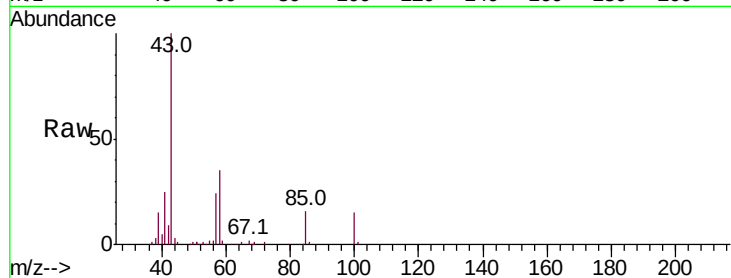
VD0622SBS01

Tot Ion: 43 Resp: 126075

Ion Ratio Lower Upper

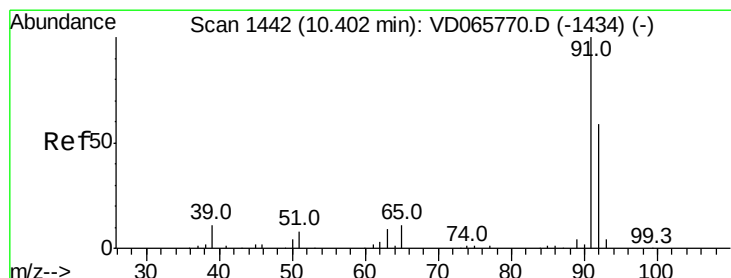
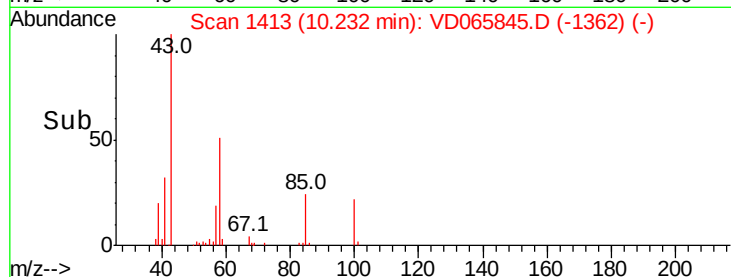
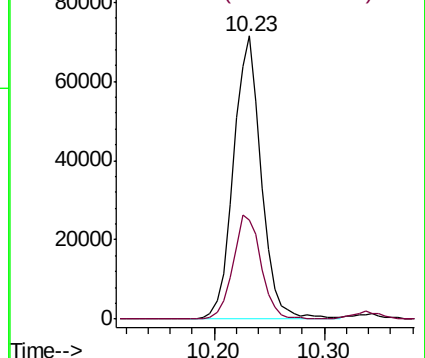
43 100

58 37.3 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: 22.146 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065845.D

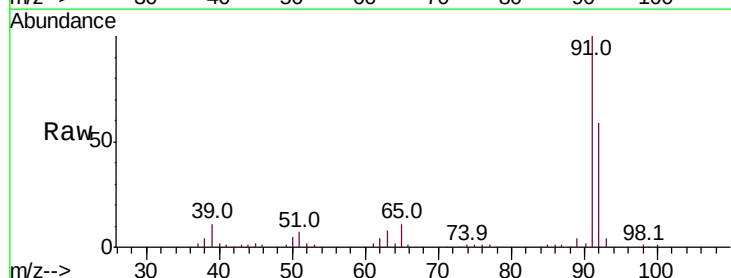
Acq: 22 Jun 2020 15:35

Tgt Ion: 92 Resp: 113264

Ion Ratio Lower Upper

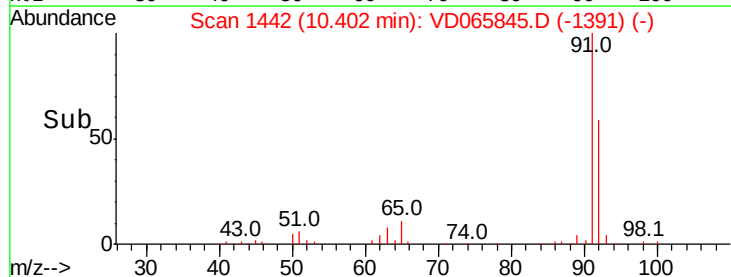
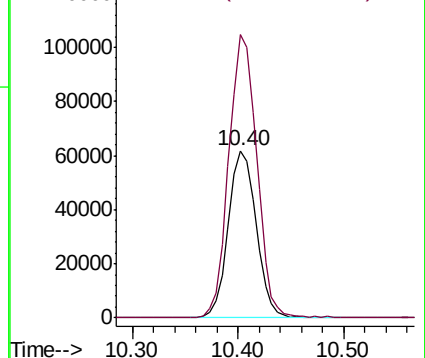
92 100

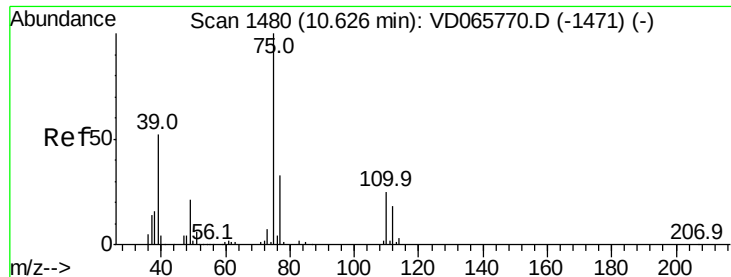
91 170.0 137.8 206.8



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: 22.089 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

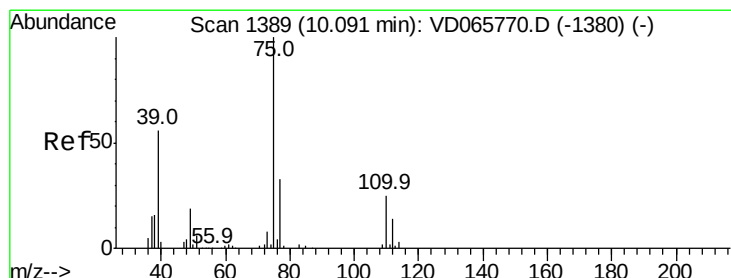
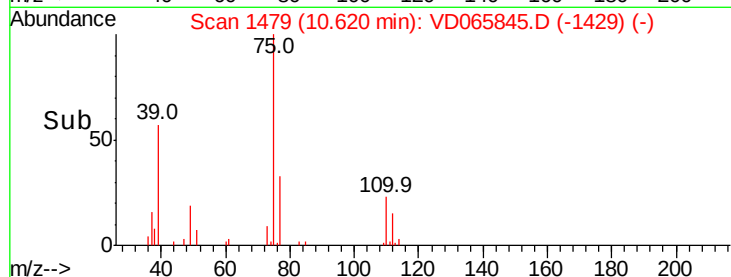
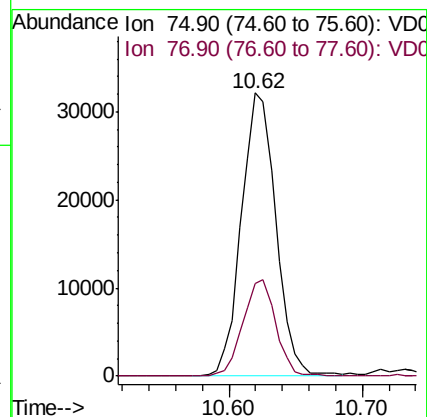
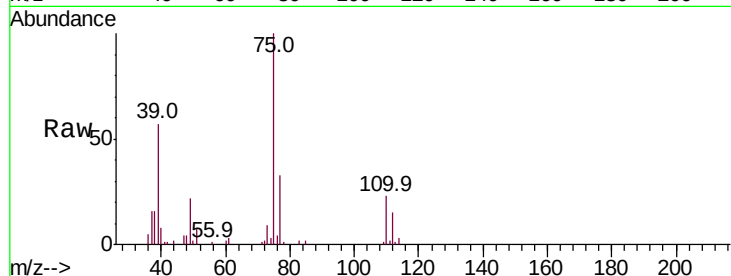
VD0622SBS01

Tot Ion: 75 Resp: 57493

Ion Ratio Lower Upper

75 100

77 32.6 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 22.249 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

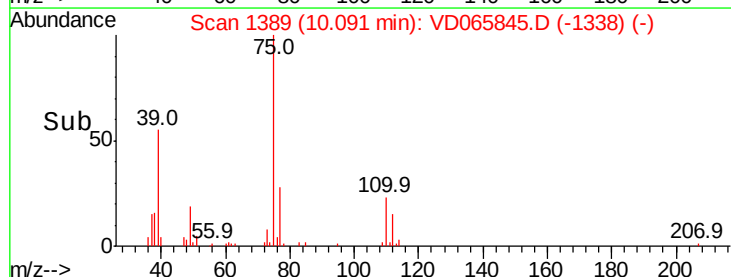
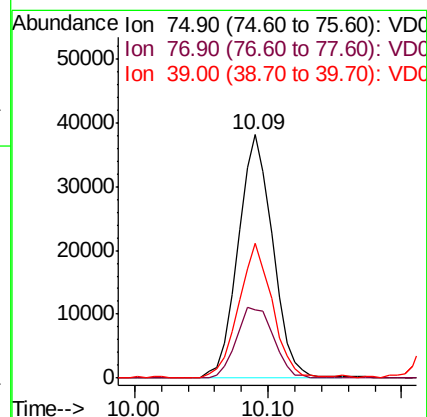
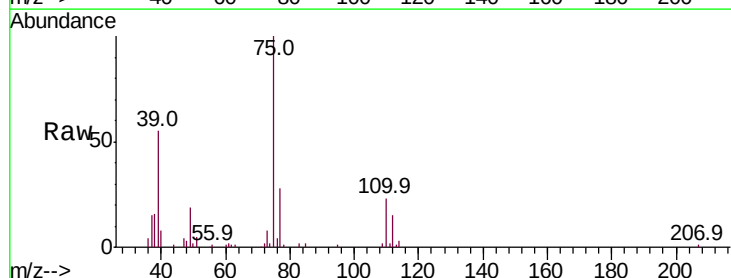
Tgt Ion: 75 Resp: 68395

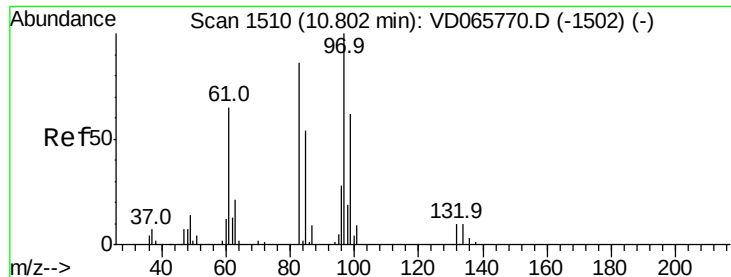
Ion Ratio Lower Upper

75 100

77 27.8 26.0 39.0

39 55.2 45.0 67.6

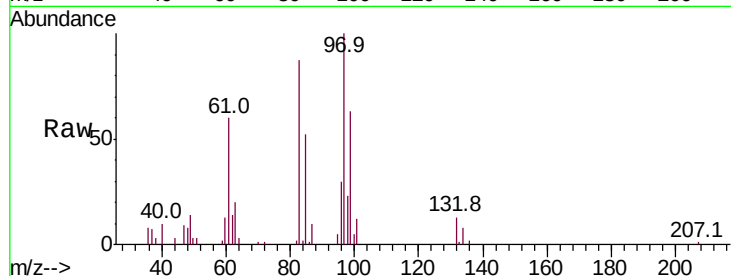




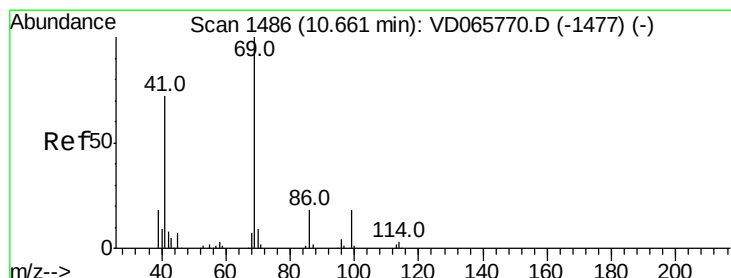
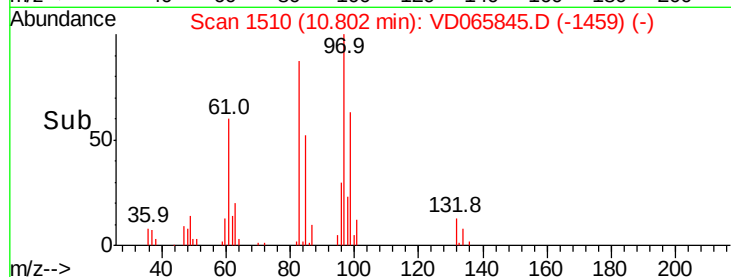
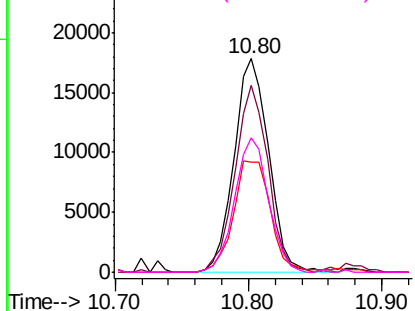
#55
 1,1,2-Trichloroethane
 Concen: 22.392 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion: 97 Resp: 32093
 Ion Ratio Lower Upper
 97 100
 83 87.3 68.7 103.1
 85 51.7 43.0 64.6
 99 63.2 49.8 74.6

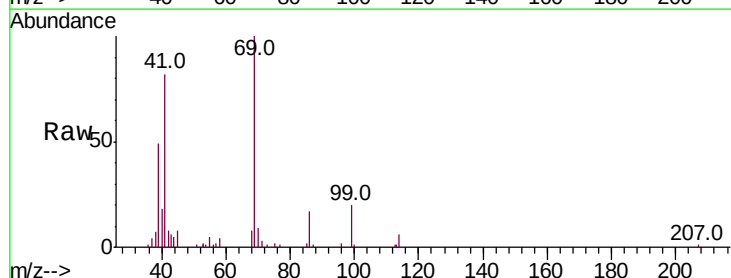


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

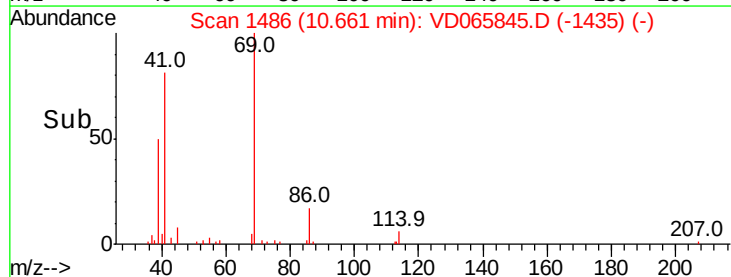
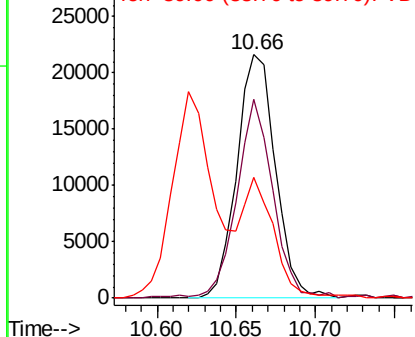


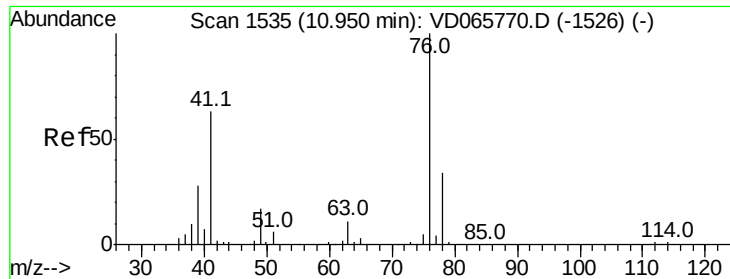
#56
 Ethyl methacrylate
 Concen: 21.728 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion: 69 Resp: 36628
 Ion Ratio Lower Upper
 69 100
 41 77.0 56.9 85.3
 39 39.5 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: 21.939 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

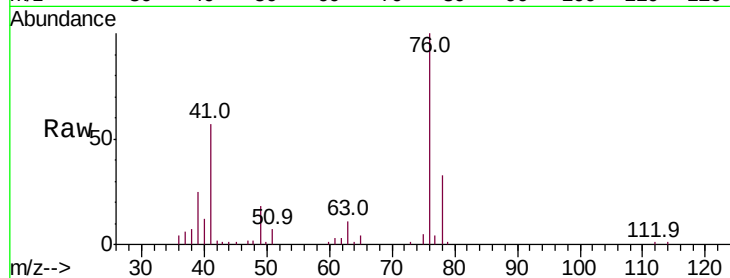
VD0622SBS01

Tot Ion: 76 Resp: 54476

Ion Ratio Lower Upper

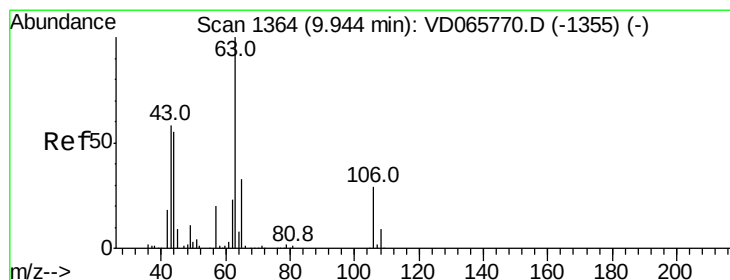
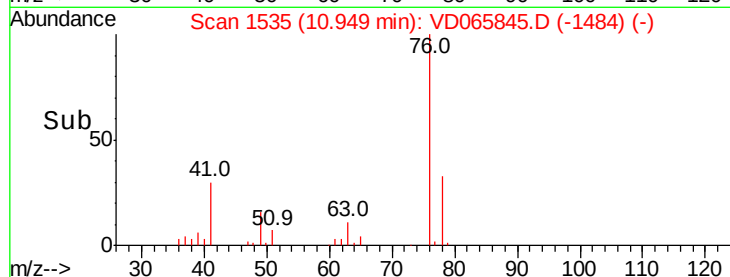
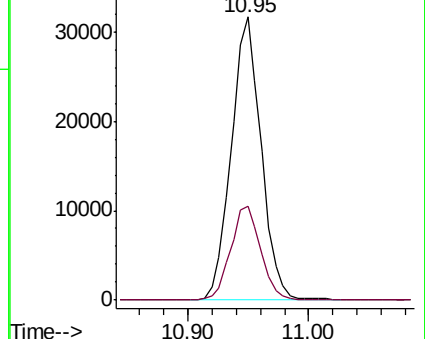
76 100

78 33.2 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 114.349 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065845.D

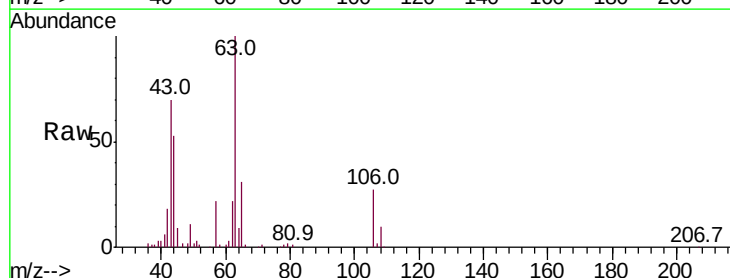
Acq: 22 Jun 2020 15:35

Tgt Ion: 63 Resp: 89619

Ion Ratio Lower Upper

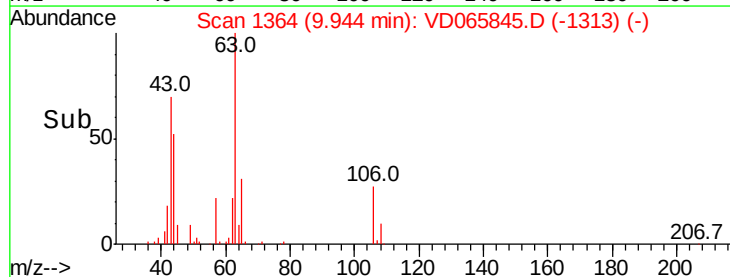
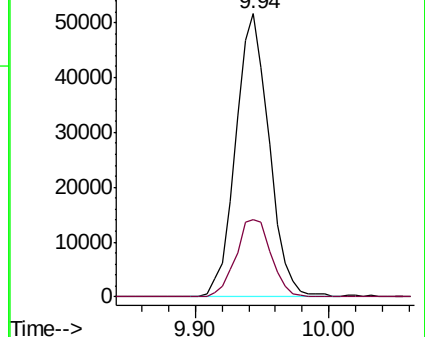
63 100

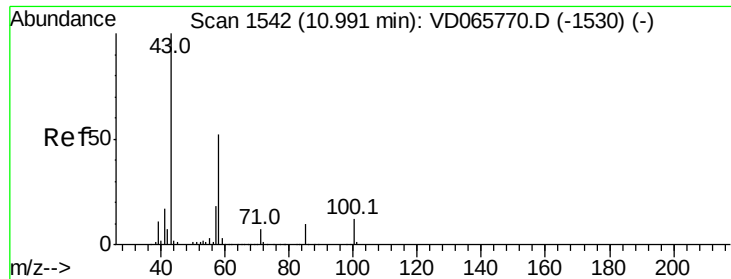
106 28.6 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

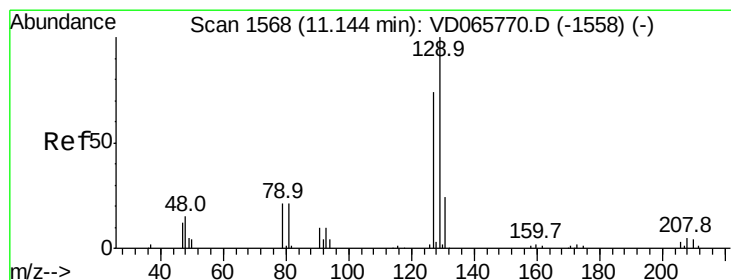
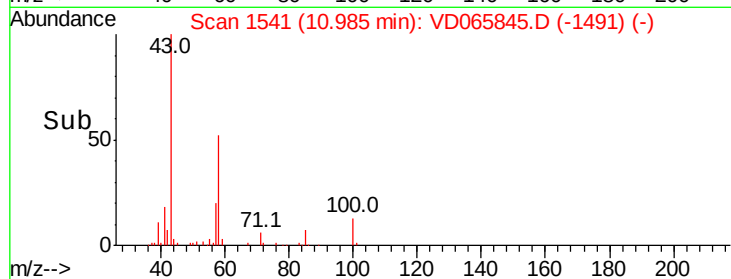
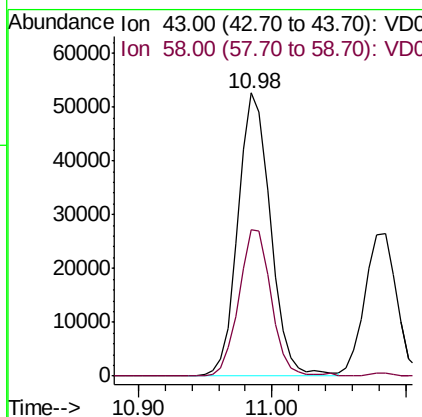
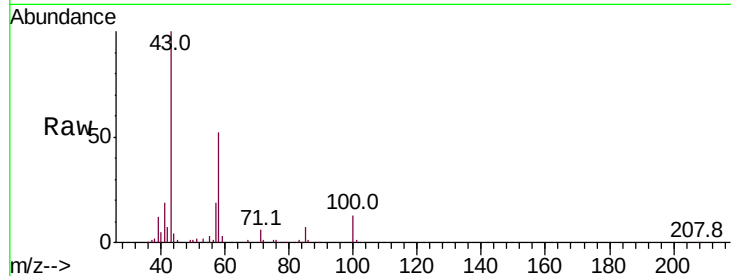




#59
2-Hexanone
Concen: 119.351 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

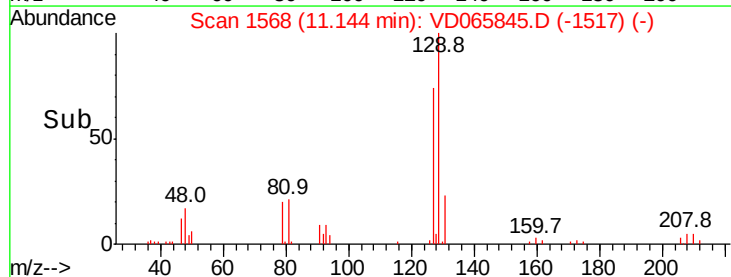
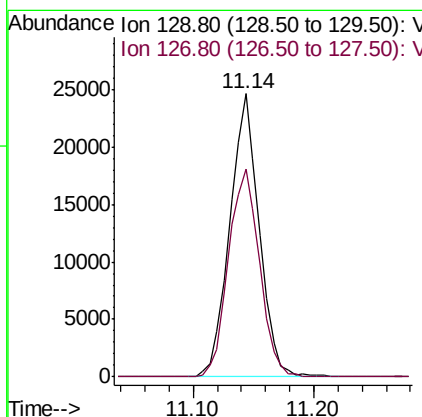
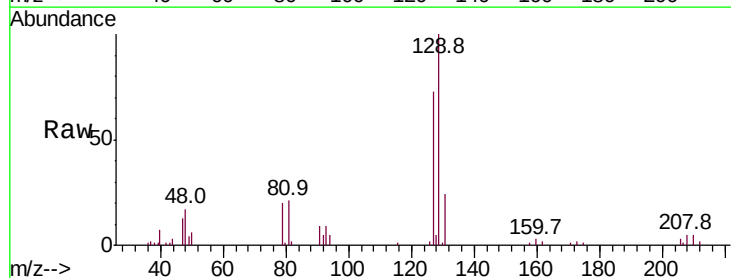
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

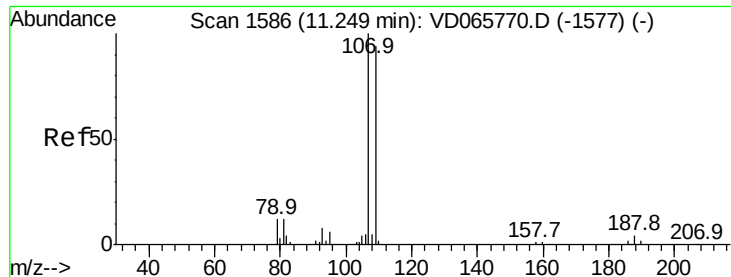
Tot Ion: 43 Resp: 88917
Ion Ratio Lower Upper
43 100
58 50.9 25.7 77.0



#60
Dibromochloromethane
Concen: 21.518 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 129 Resp: 41662
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9

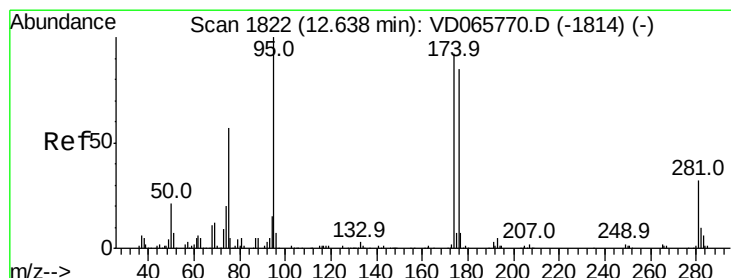
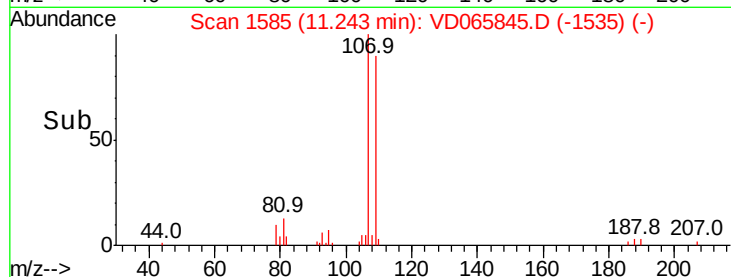
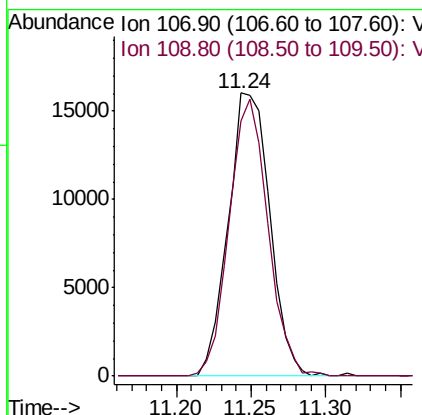
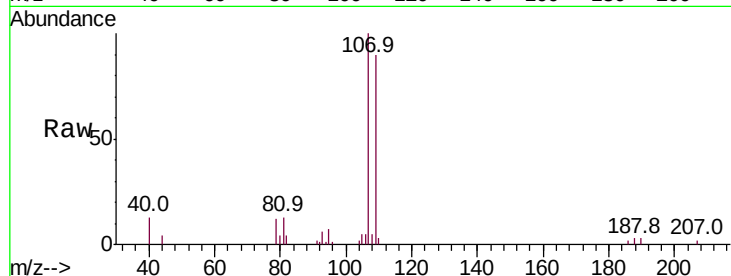




#61
1,2-Dibromoethane
Concen: 22.121 ug/l
RT: 11.24 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

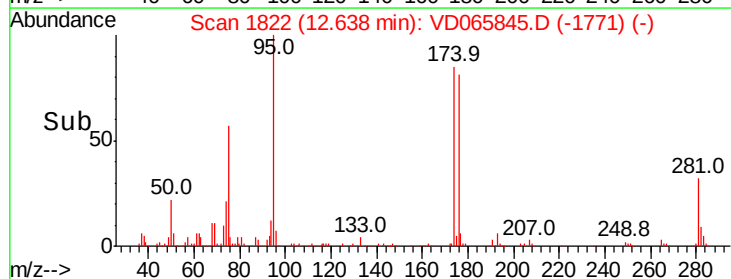
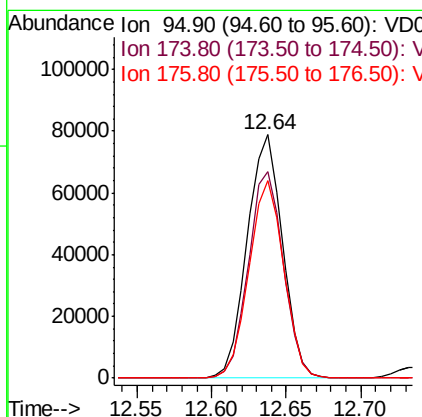
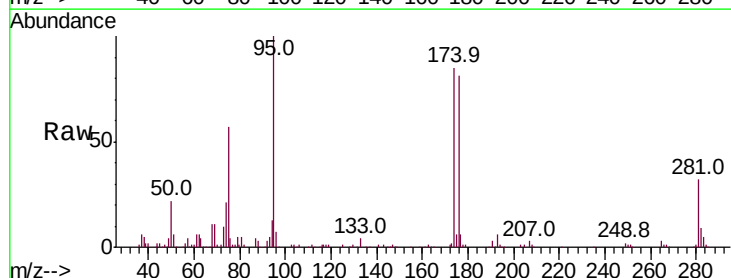
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

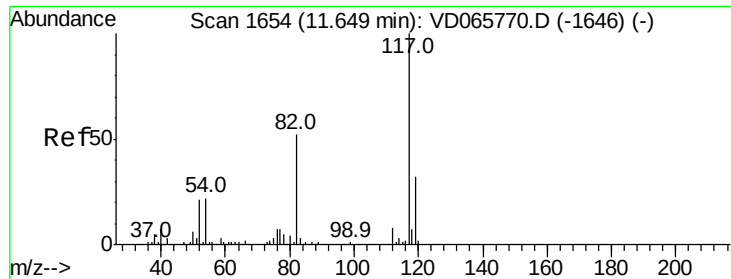
Tot Ion:107 Resp: 31158
Ion Ratio Lower Upper
107 100
109 91.3 74.4 111.6



#62
4-Bromofluorobenzene
Concen: 53.556 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 95 Resp: 128581
Ion Ratio Lower Upper
95 100
174 83.9 0.0 175.2
176 79.9 0.0 163.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

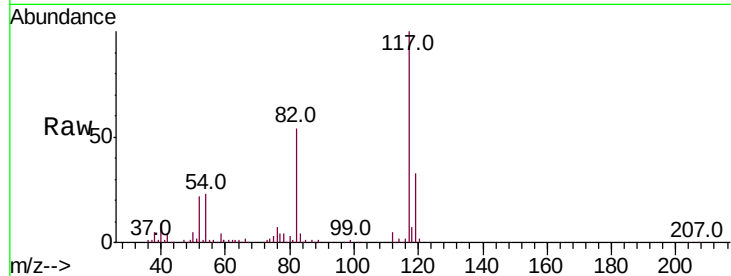
Tot Ion:117 Resp: 277827

Ion Ratio Lower Upper

117 100

82 54.2 41.9 62.9

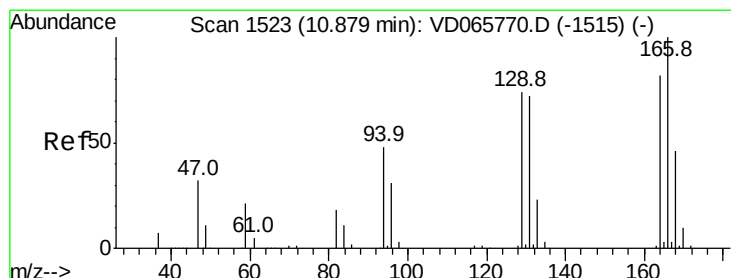
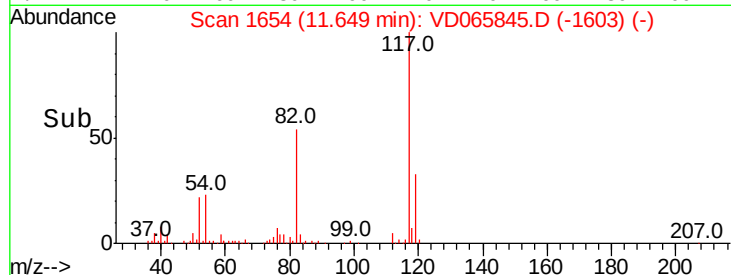
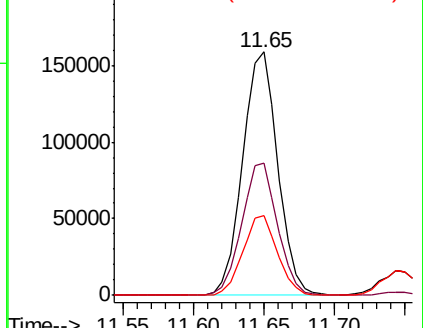
119 33.0 25.3 37.9



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: 20.687 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Tgt Ion:164 Resp: 38864

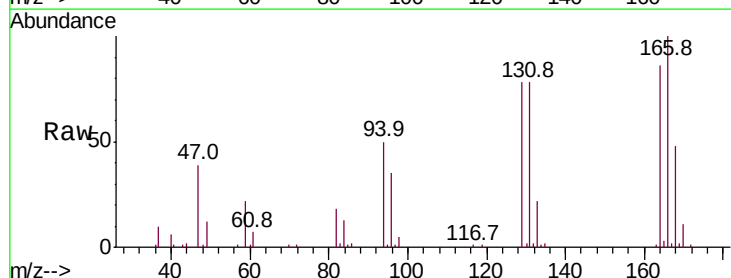
Ion Ratio Lower Upper

164 100

166 116.1 98.2 147.2

129 90.6 72.3 108.5

131 90.4 70.5 105.7

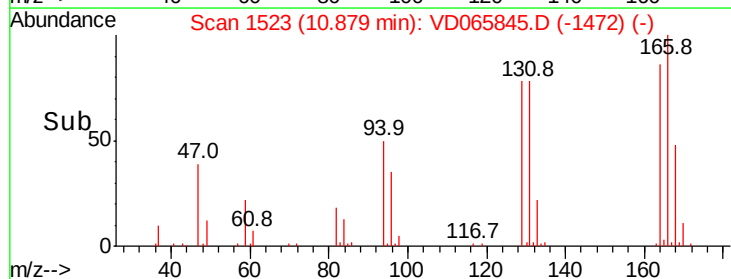
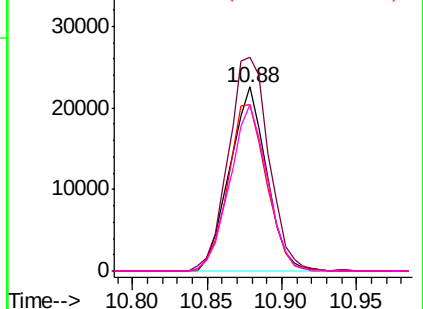


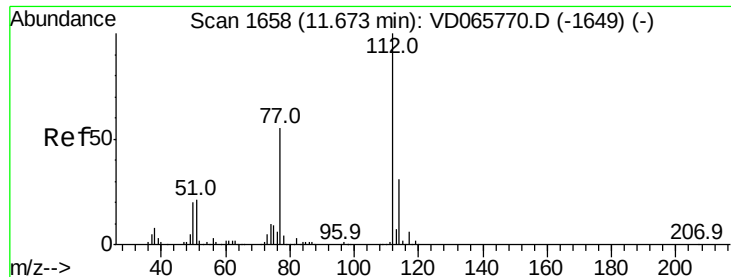
Abundance Ion 163.80 (163.50 to 164.50): V

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

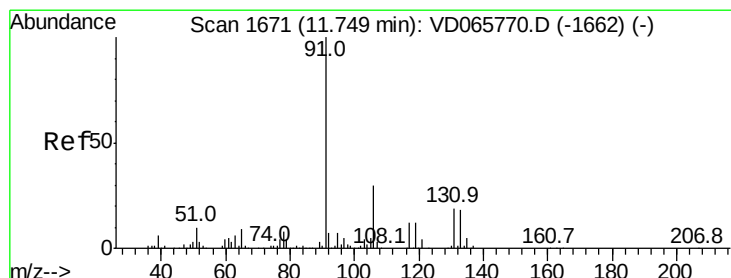
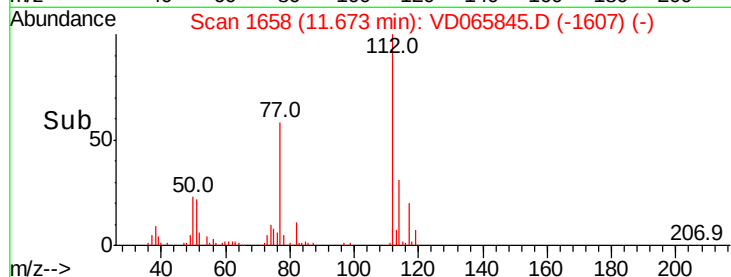
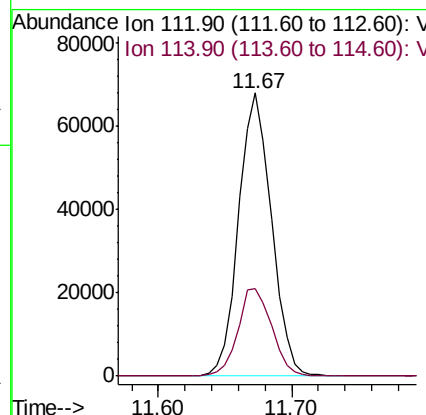
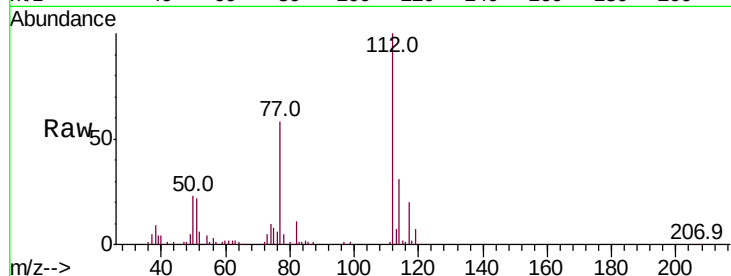




#65
Chlorobenzene
Concen: 21.403 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

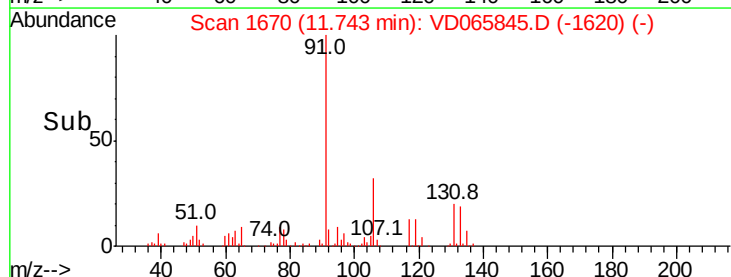
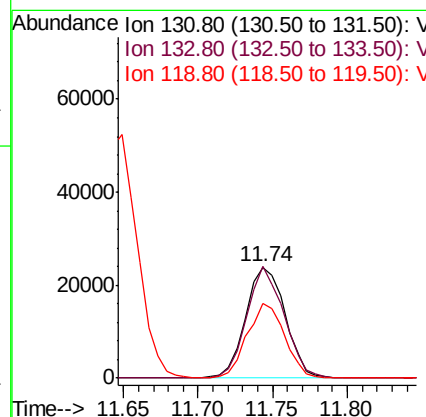
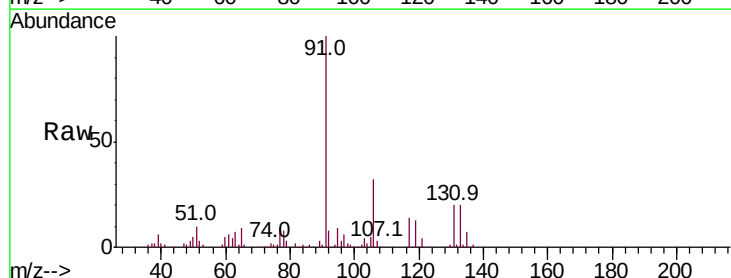
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

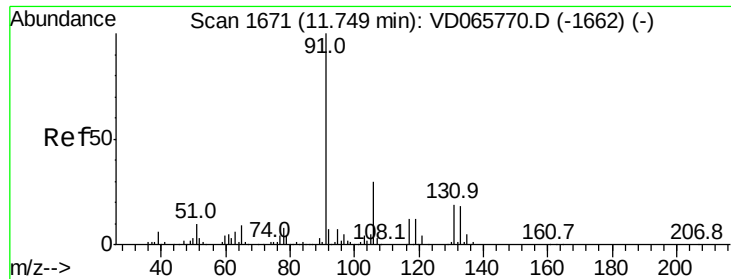
Tot Ion:112 Resp: 116084
Ion Ratio Lower Upper
112 100
114 30.7 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.527 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion:131 Resp: 43522
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.9
119 64.4 31.6 94.8





#67

Ethyl Benzene

Concen: 21.726 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

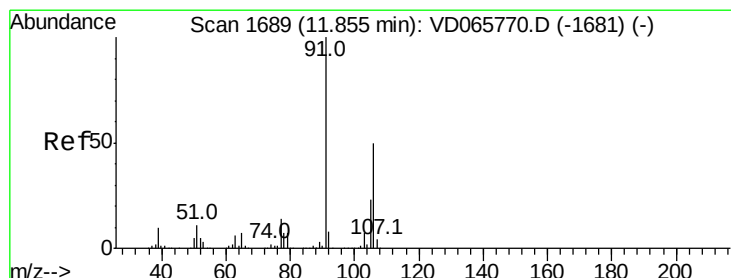
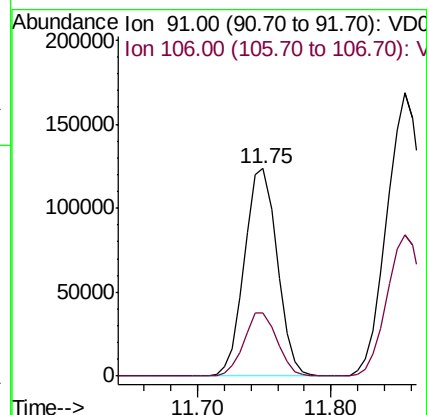
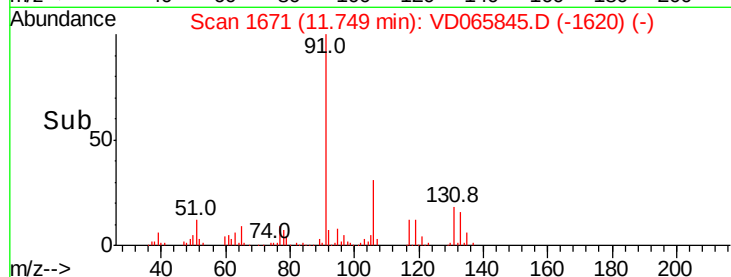
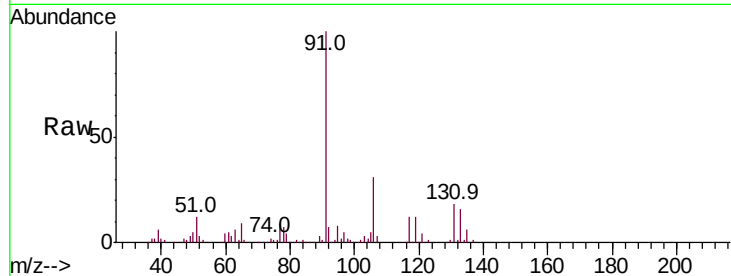
VD0622SBS01

Tot Ion: 91 Resp: 210511

Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1



#68

m/p-Xylenes

Concen: 42.738 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065845.D

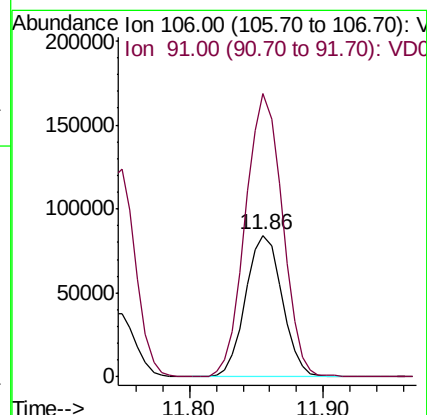
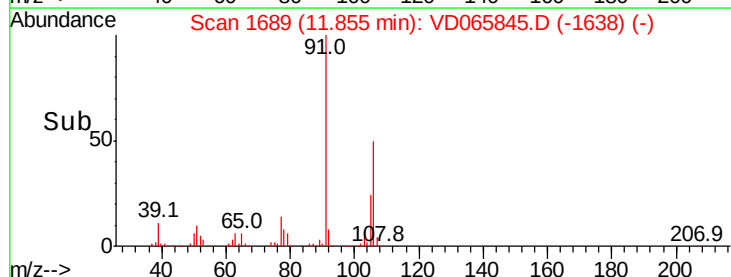
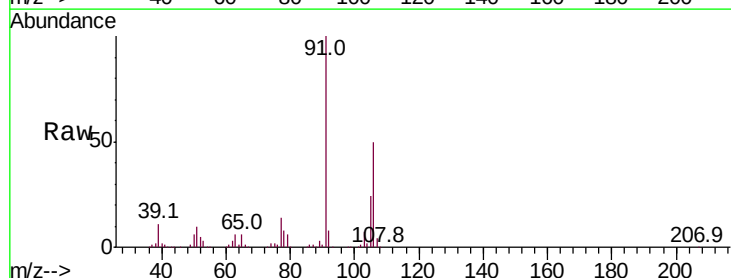
Acq: 22 Jun 2020 15:35

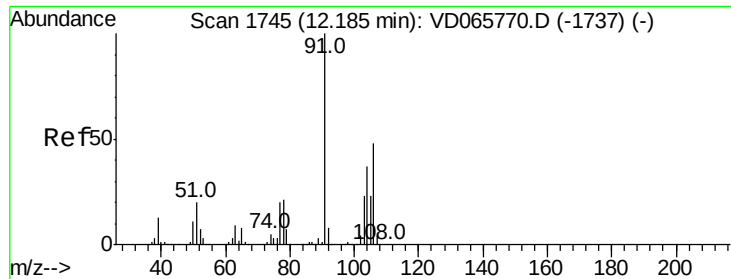
Tgt Ion: 106 Resp: 159506

Ion Ratio Lower Upper

106 100

91 203.0 159.4 239.2

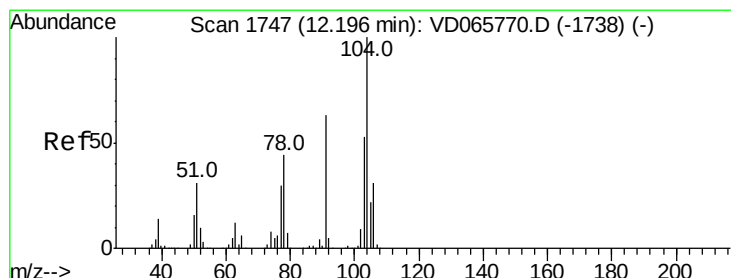
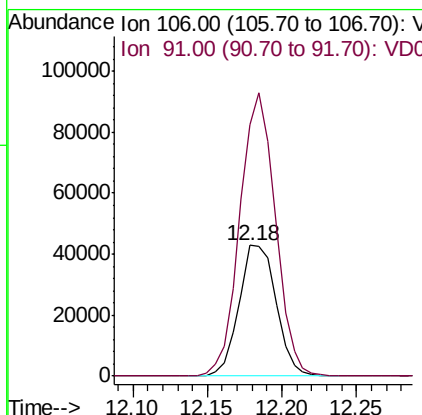
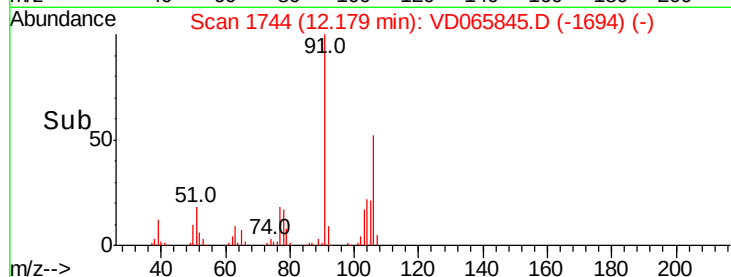
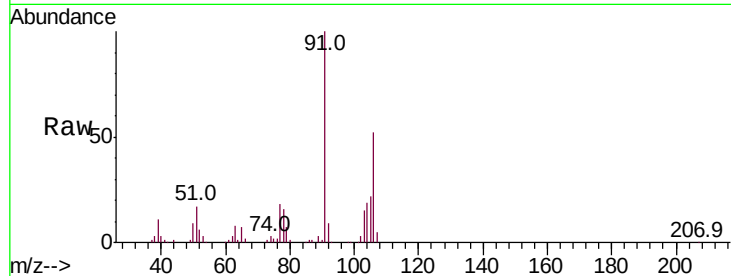




#69
o-Xylene
Concen: 22.033 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

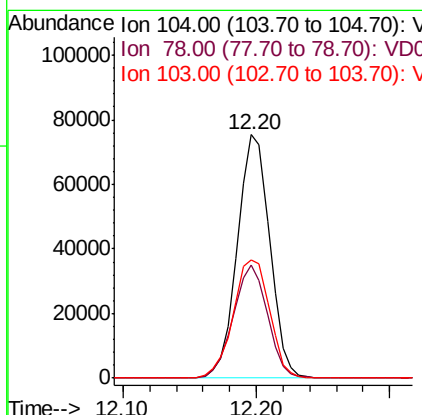
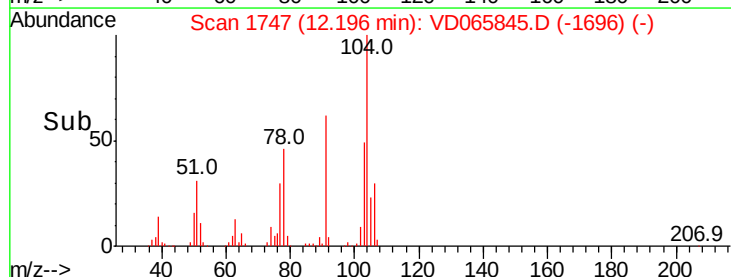
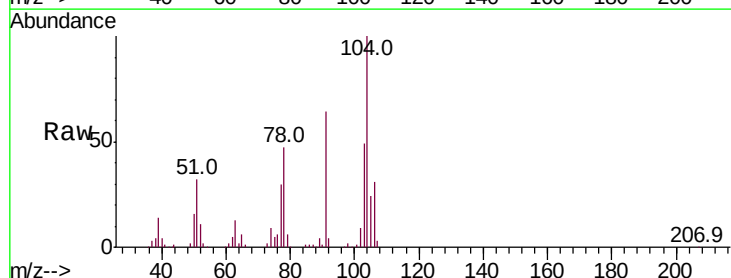
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

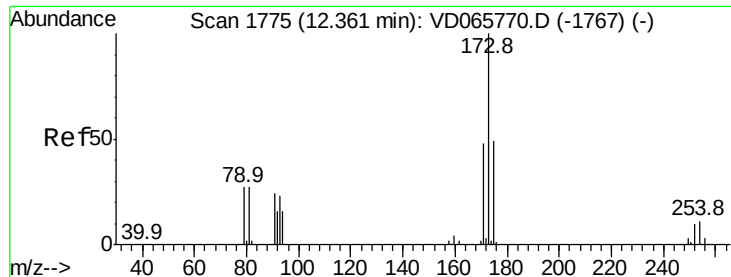
Tot Ion:106 Resp: 74143
Ion Ratio Lower Upper
106 100
91 206.9 105.3 315.8



#70
Styrene
Concen: 21.795 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion:104 Resp: 126961
Ion Ratio Lower Upper
104 100
78 49.2 38.6 58.0
103 54.6 43.9 65.9





#71

Bromoform

Concen: 21.825 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

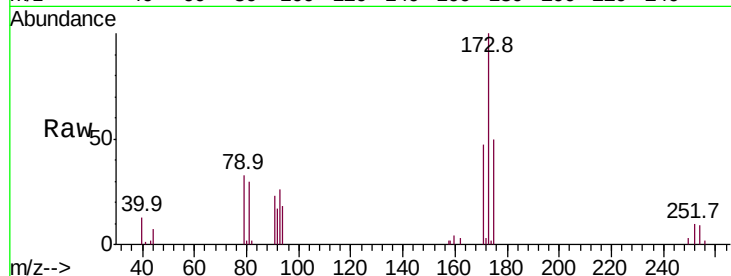
Tot Ion:173 Resp: 24298

Ion Ratio Lower Upper

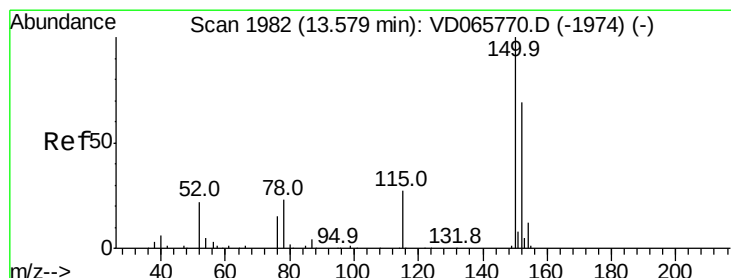
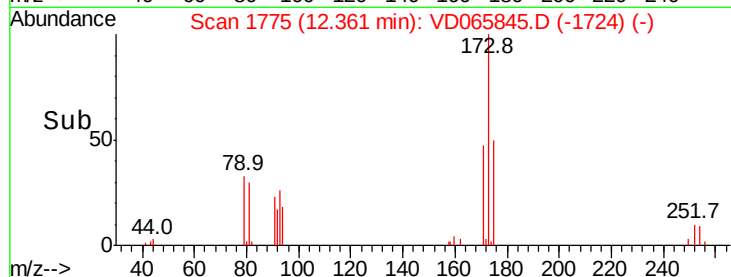
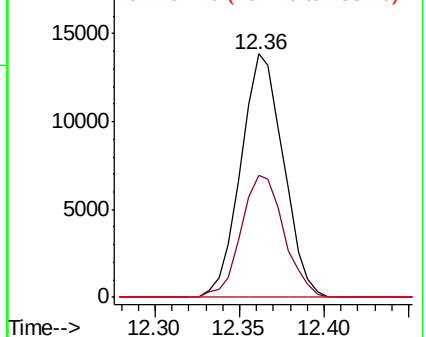
173 100

175 50.6 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: VD065845.D

Acq: 22 Jun 2020 15:35

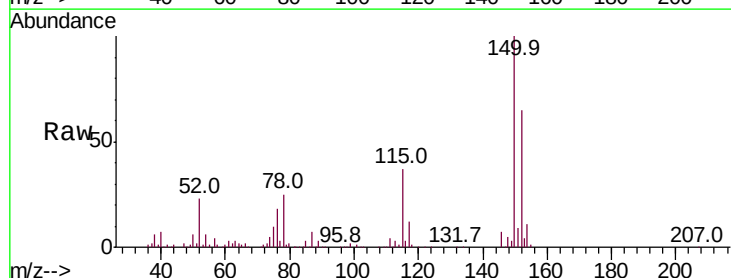
Tgt Ion:152 Resp: 141384

Ion Ratio Lower Upper

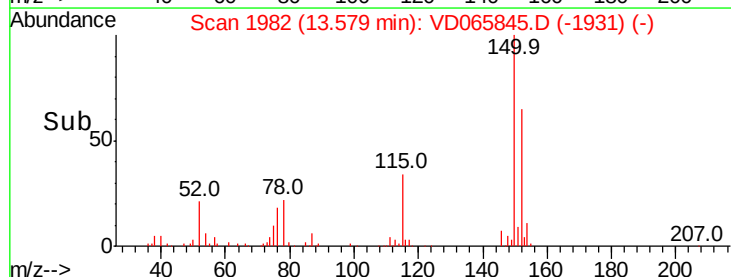
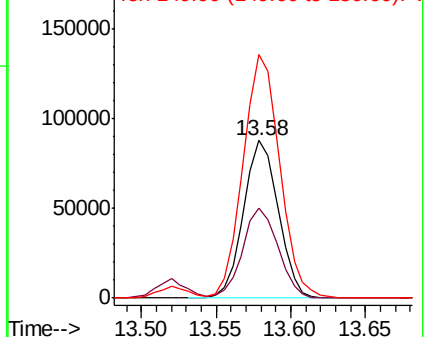
152 100

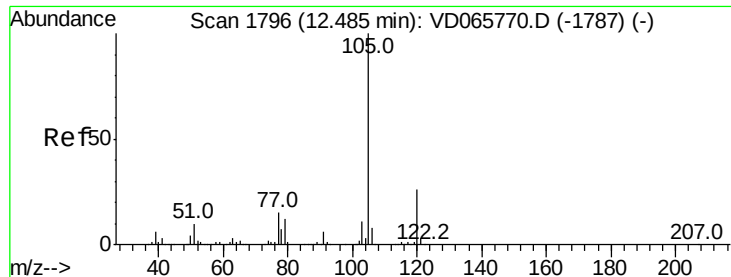
115 58.3 28.7 86.1

150 163.7 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: 21.136 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

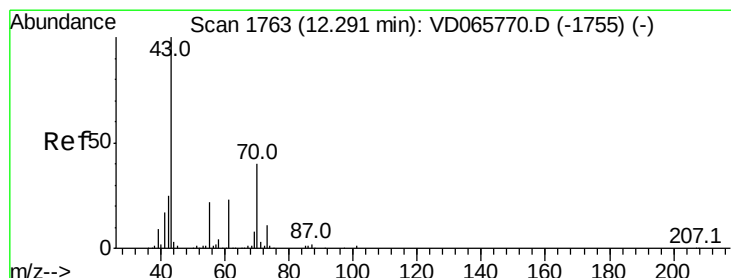
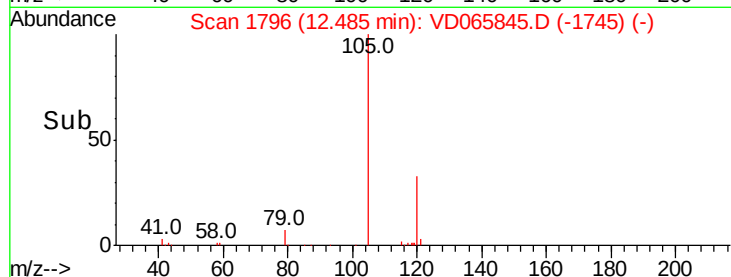
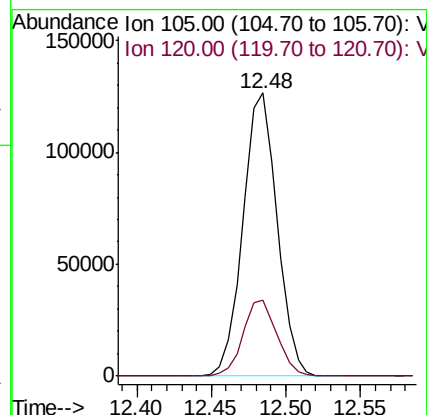
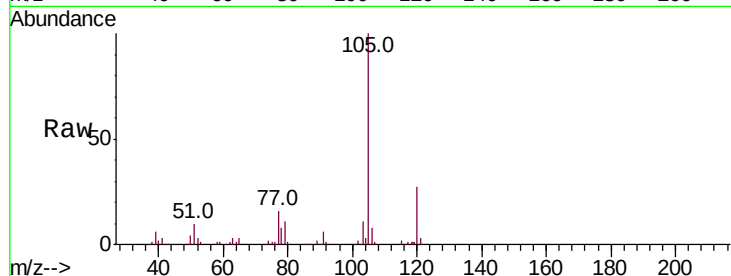
VD0622SBS01

Tot Ion:105 Resp: 200358

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



#74

N-ethyl acetate

Concen: 22.098 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Tgt Ion: 43 Resp: 46602

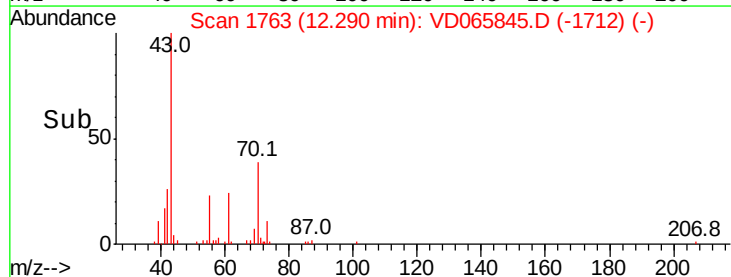
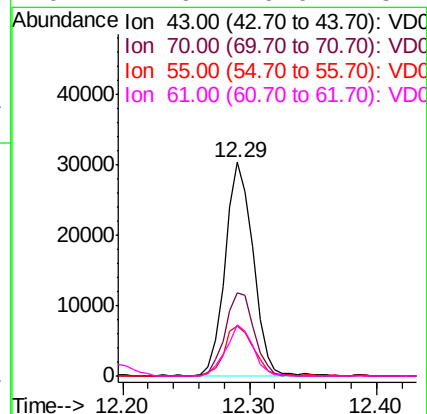
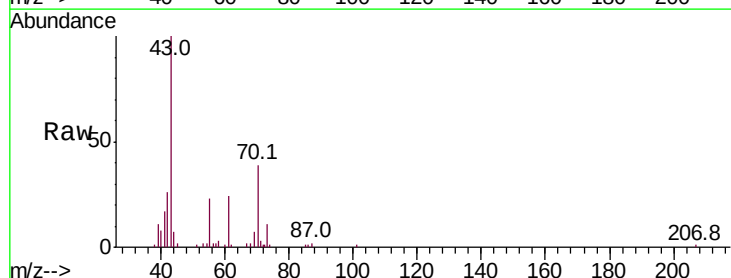
Ion Ratio Lower Upper

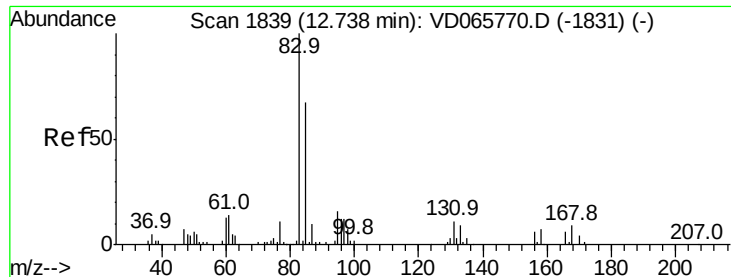
43 100

70 40.2 32.3 48.5

55 24.2 19.0 28.4

61 22.9 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.277 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

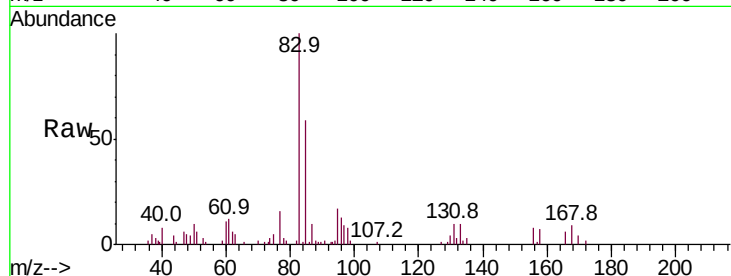
Tot Ion: 83 Resp: 35663

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.4

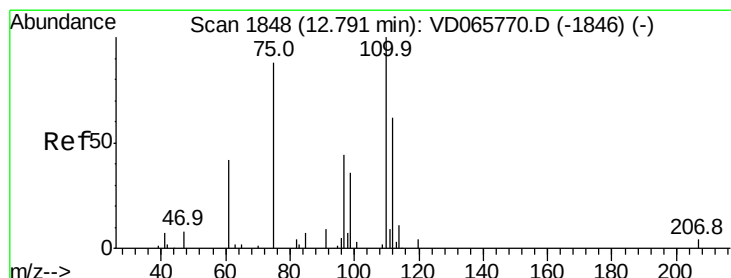
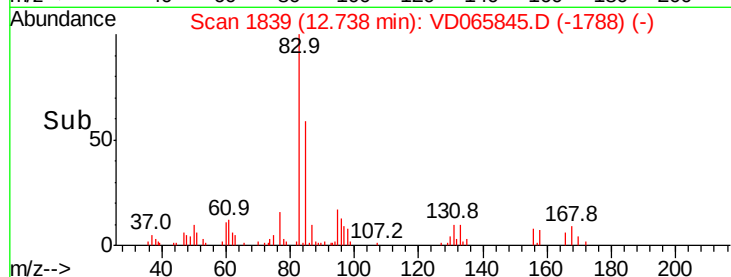
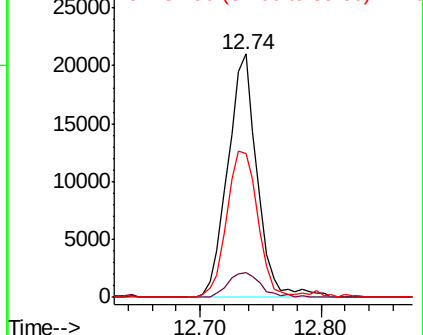
85 63.2 32.5 97.5



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: 42.553 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065845.D

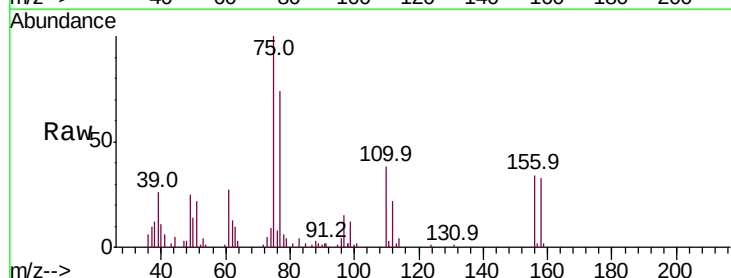
Acq: 22 Jun 2020 15:35

Tgt Ion: 75 Resp: 46790

Ion Ratio Lower Upper

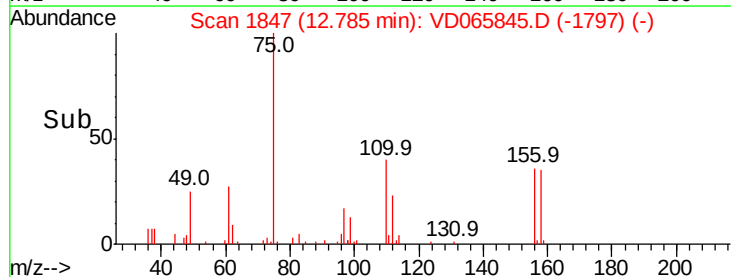
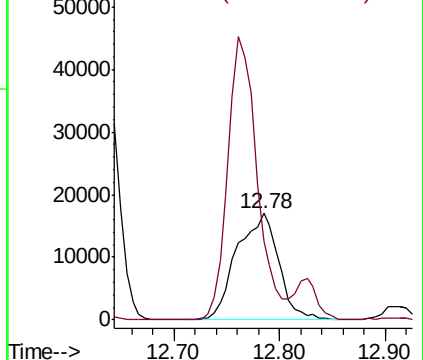
75 100

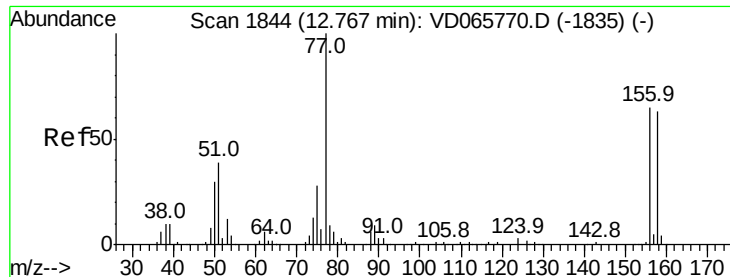
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.286 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

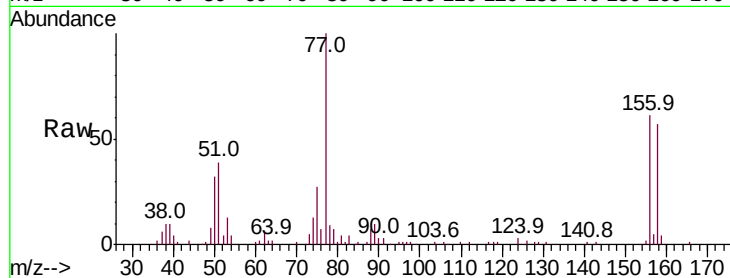
Tot Ion:156 Resp: 47740

Ion Ratio Lower Upper

156 100

77 182.9 87.3 261.8

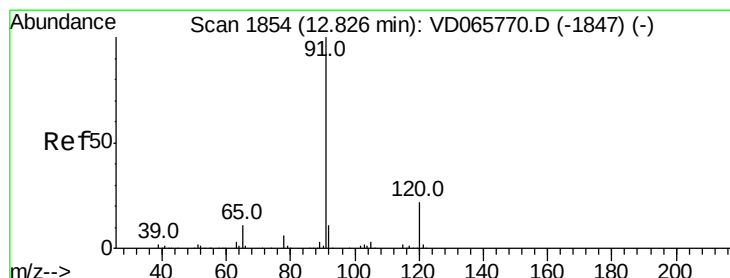
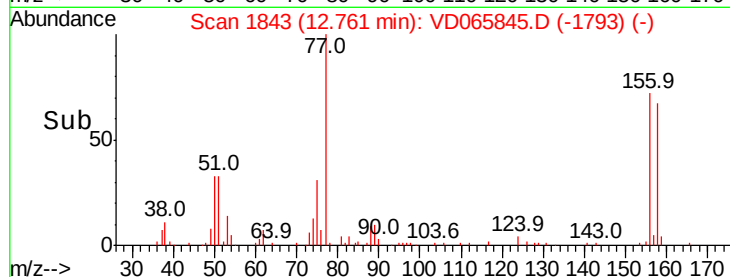
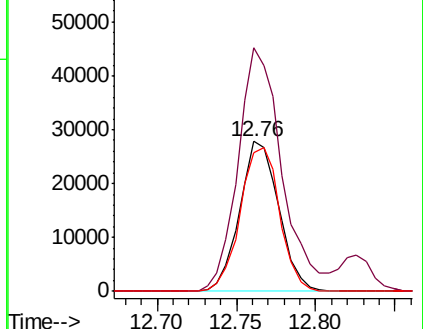
158 96.6 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.560 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065845.D

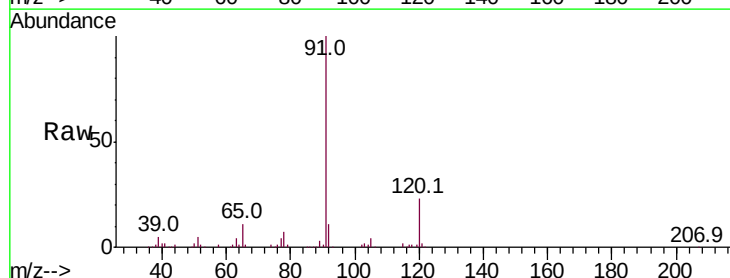
Acq: 22 Jun 2020 15:35

Tgt Ion: 91 Resp: 246005

Ion Ratio Lower Upper

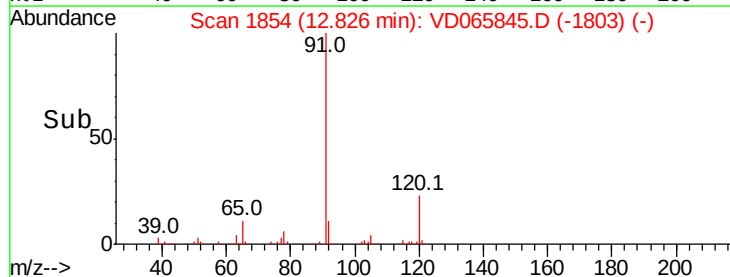
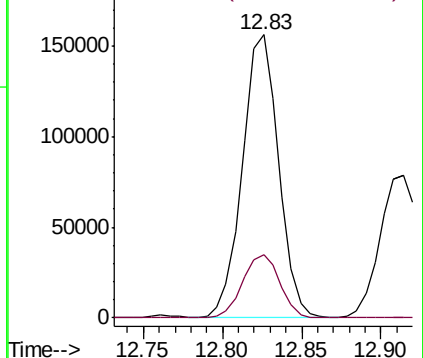
91 100

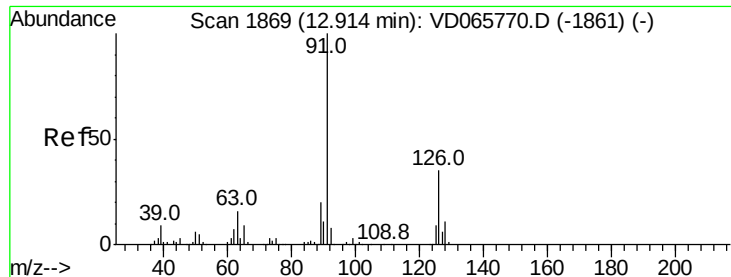
120 23.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.562 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

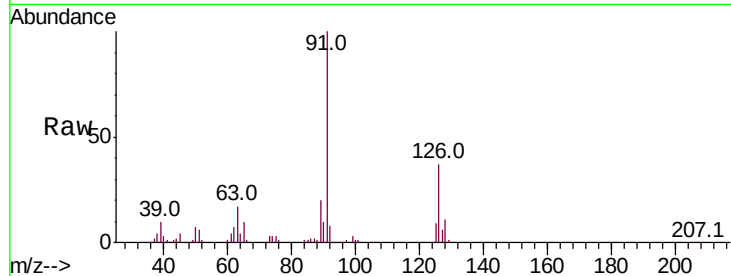
VD0622SBS01

Tot Ion: 91 Resp: 134966

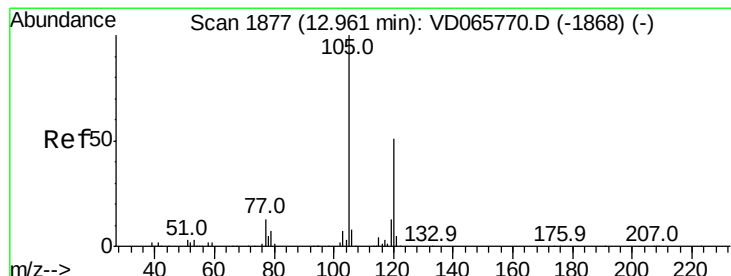
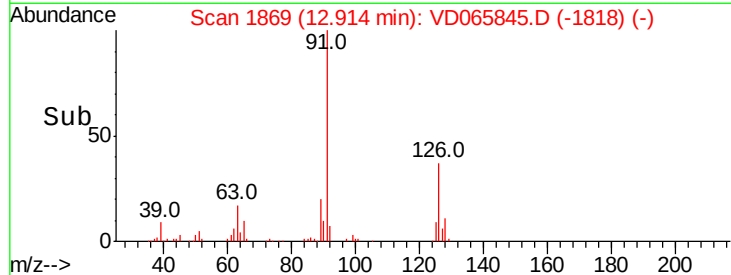
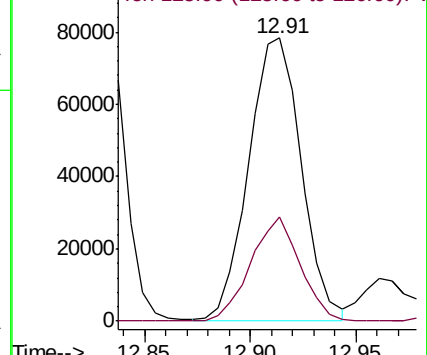
Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065770.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.489 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065845.D

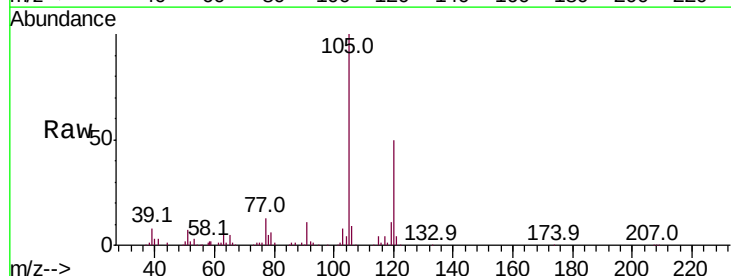
Acq: 22 Jun 2020 15:35

Tgt Ion:105 Resp: 169510

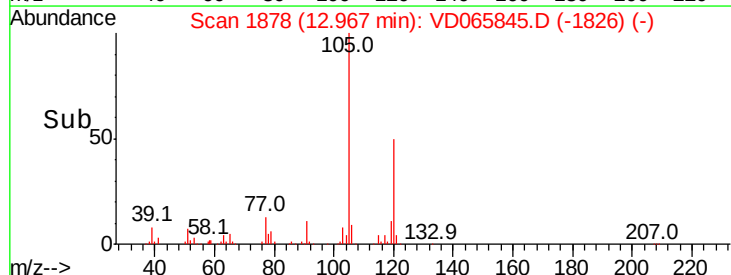
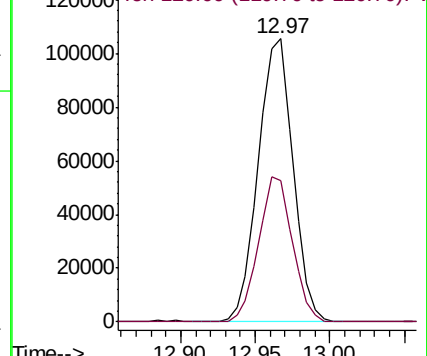
Ion Ratio Lower Upper

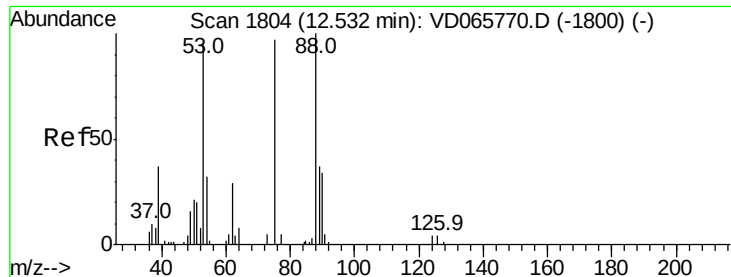
105 100

120 50.0 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065770.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.263 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

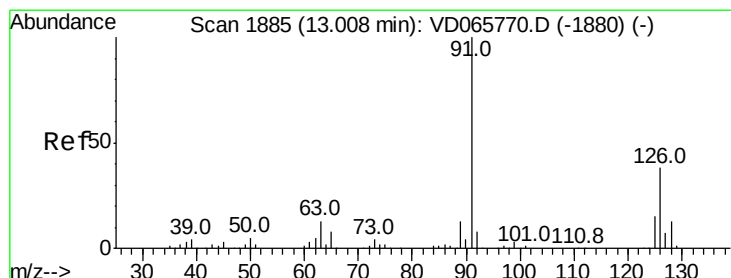
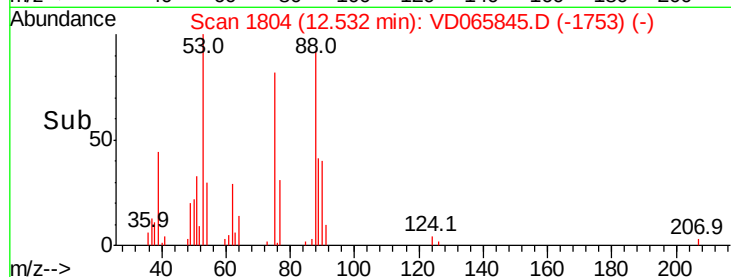
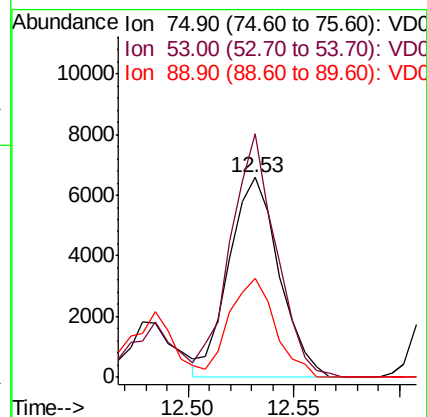
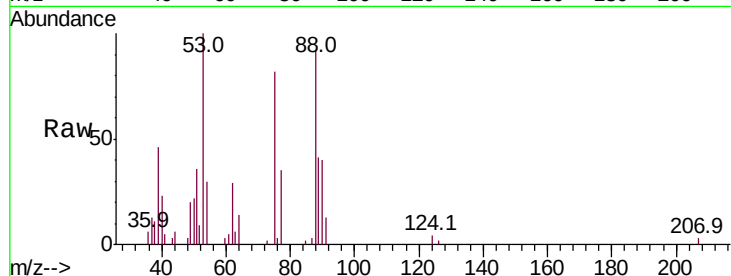
Tot Ion: 75 Resp: 10821

Ion Ratio Lower Upper

75 100

53 111.1 82.6 123.8

89 45.0 35.9 53.9



#82

4-Chlorotoluene

Concen: 21.336 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065845.D

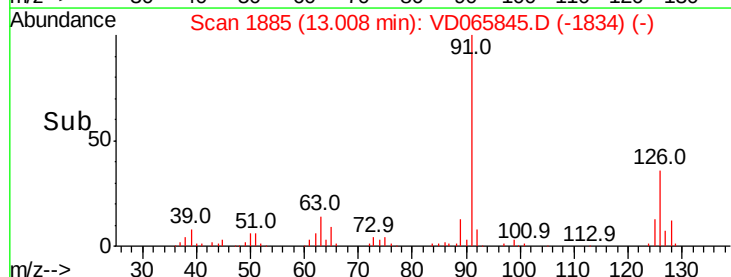
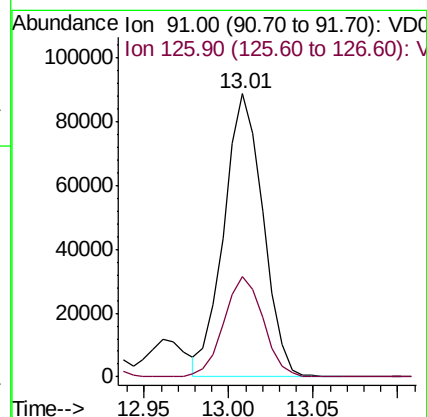
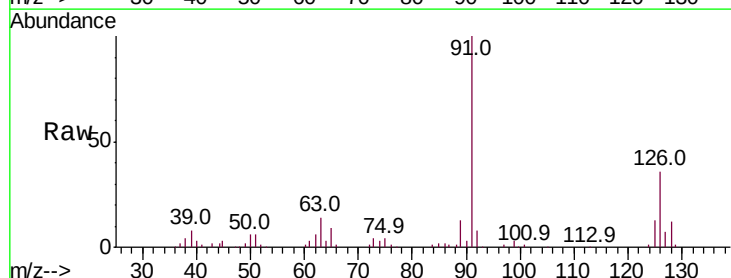
Acq: 22 Jun 2020 15:35

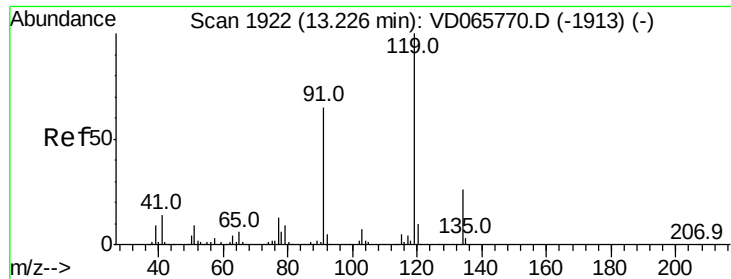
Tgt Ion: 91 Resp: 143355

Ion Ratio Lower Upper

91 100

126 35.7 17.6 52.8

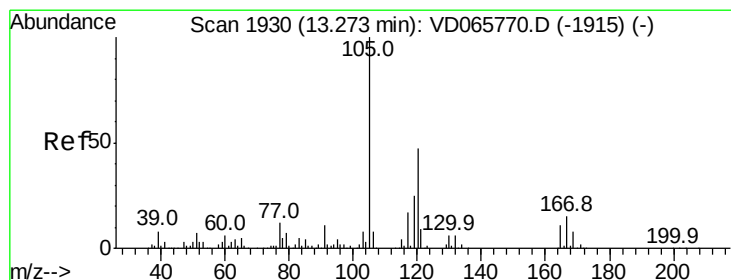
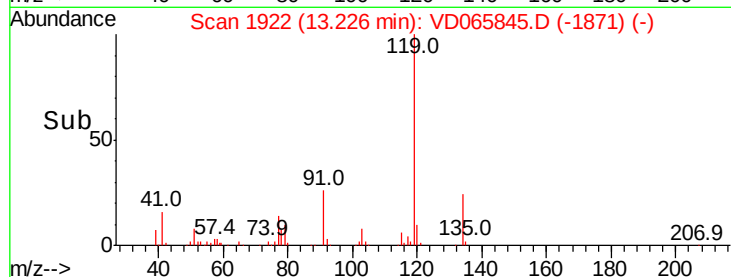
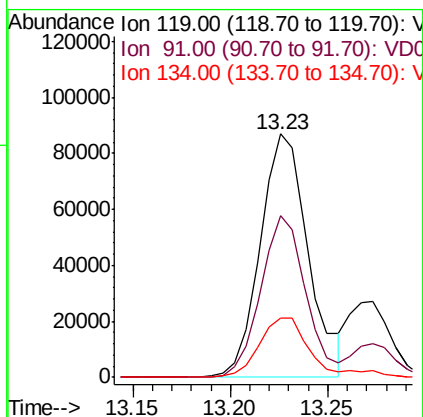
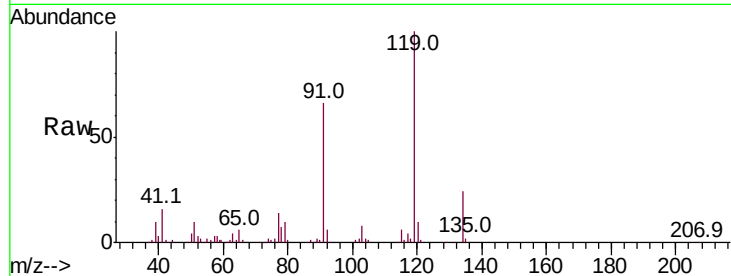




#83
 tert-Butylbenzene
 Concen: 21.628 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

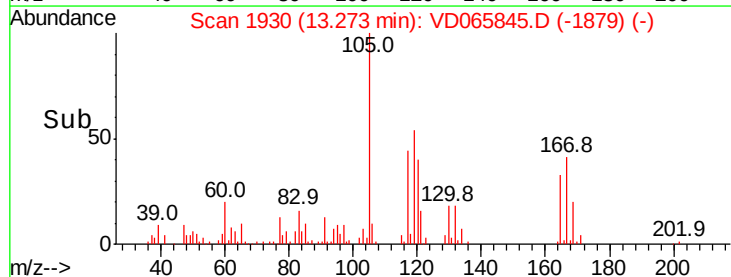
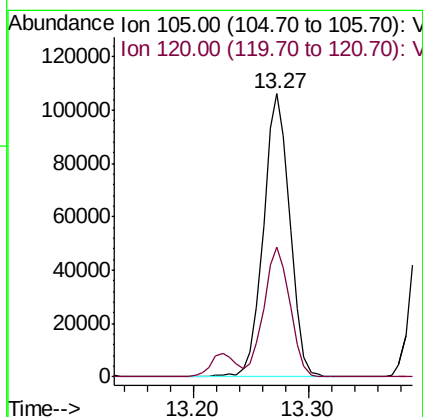
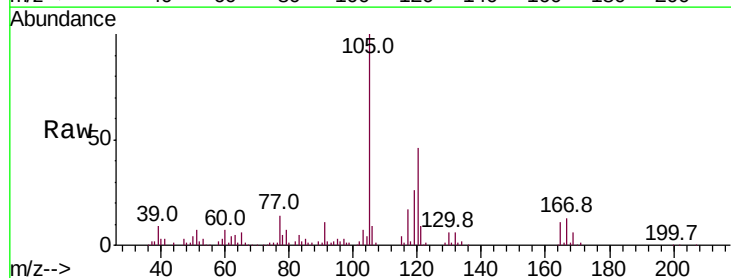
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

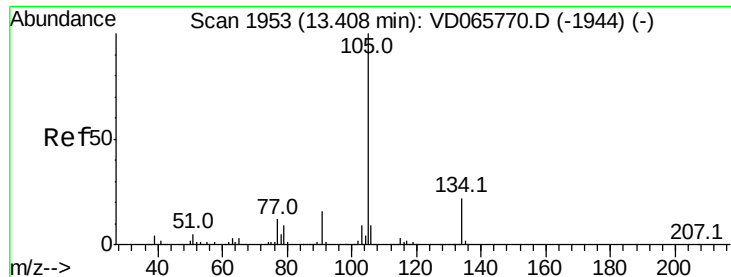
Tot Ion:119 Resp: 148037
 Ion Ratio Lower Upper
 119 100
 91 62.2 32.0 96.0
 134 26.5 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.465 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion:105 Resp: 169479
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.3 69.8





#85

sec-Butylbenzene

Concen: 21.421 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

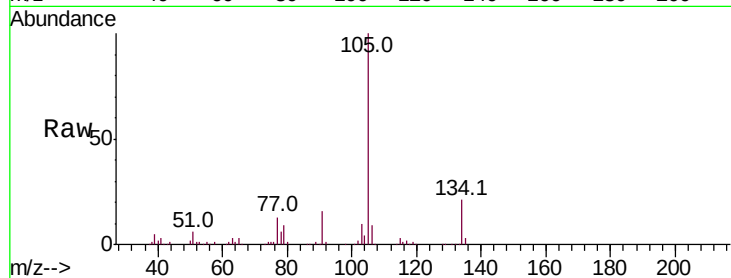
VD0622SBS01

Tot Ion:105 Resp: 204045

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

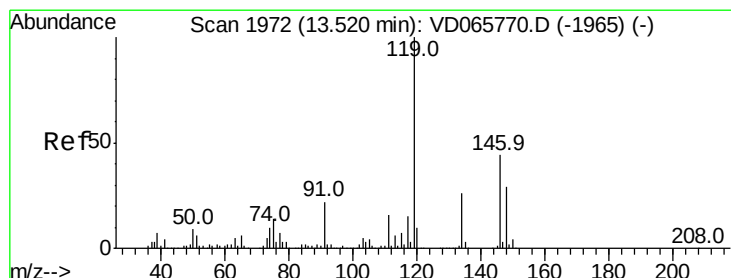
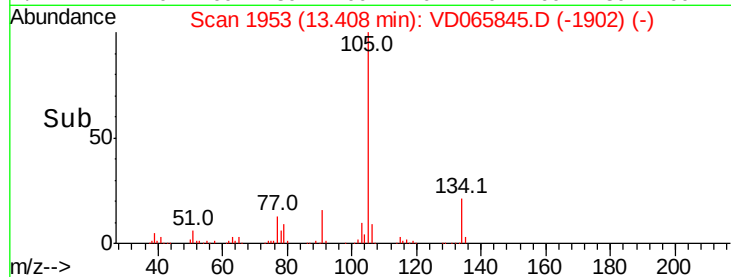
13.41

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.637 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

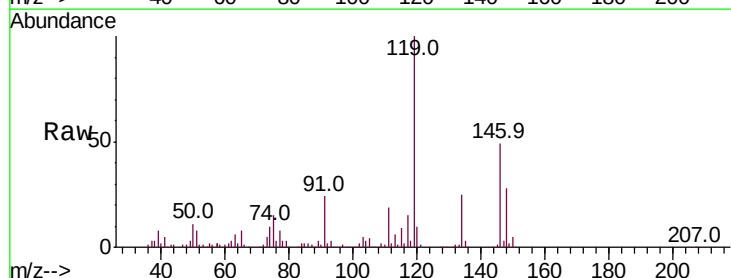
Tgt Ion:119 Resp: 188902

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 23.9 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

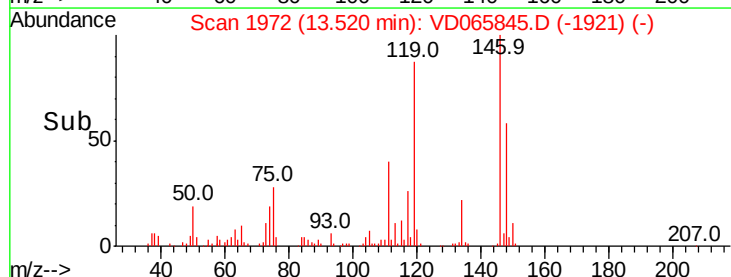
150000

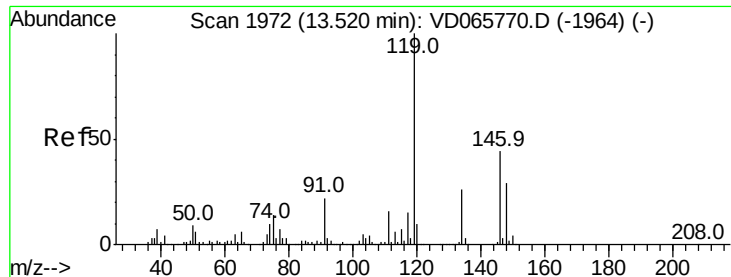
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.363 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

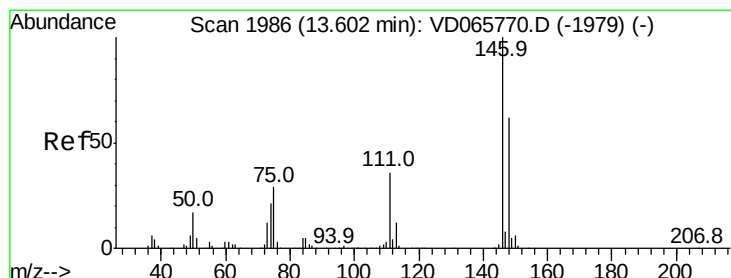
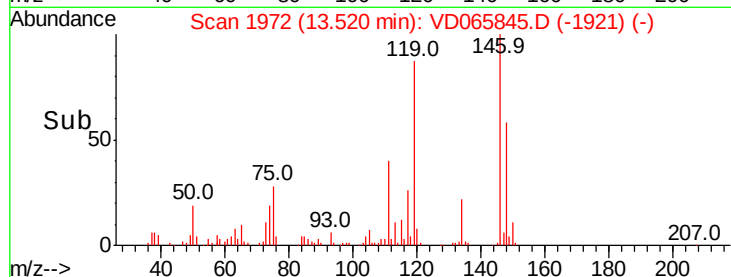
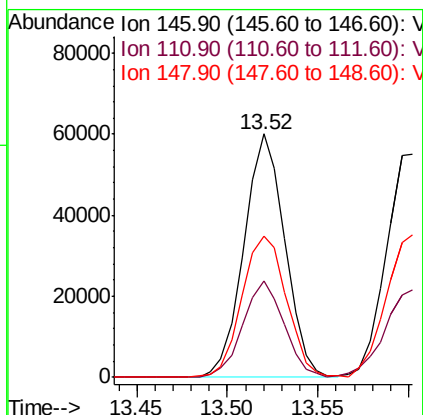
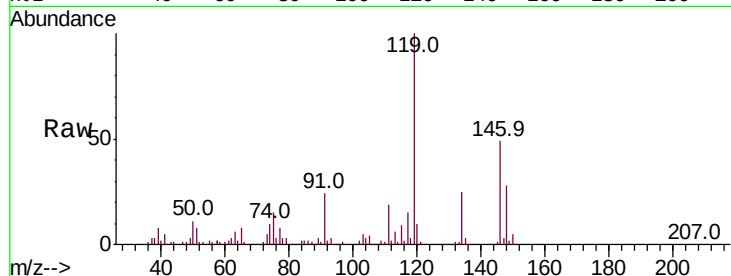
Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion:146 Resp: 94474

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.2	57.6
148	63.1	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 21.214 ug/l

RT: 13.60 min Scan# 1986

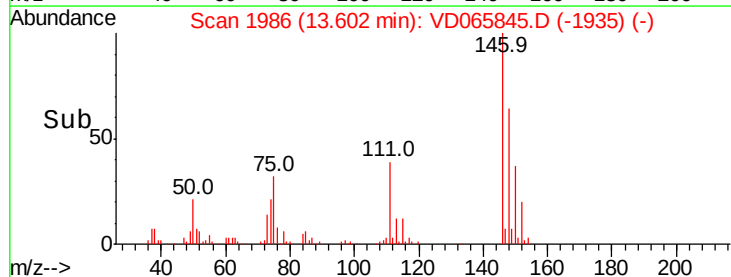
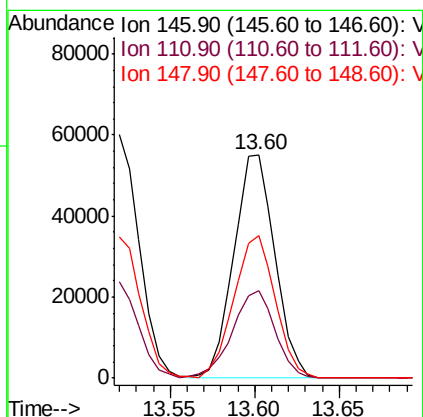
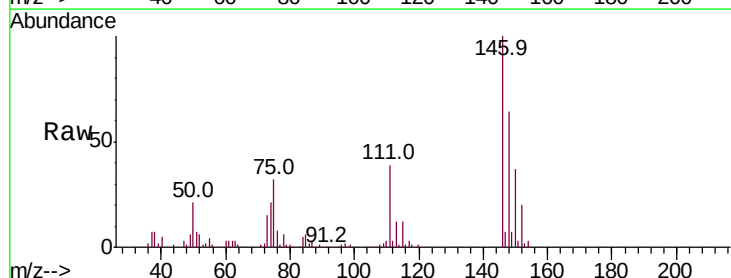
Delta R.T. -0.00 min

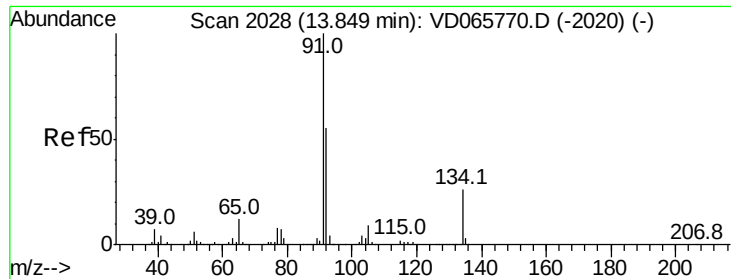
Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Tgt Ion:146 Resp: 93321

Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.9	56.7
148	64.3	31.6	94.7

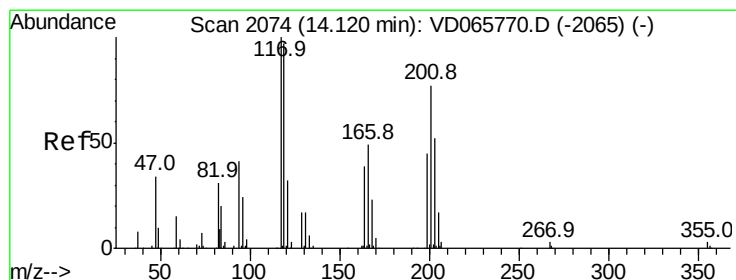
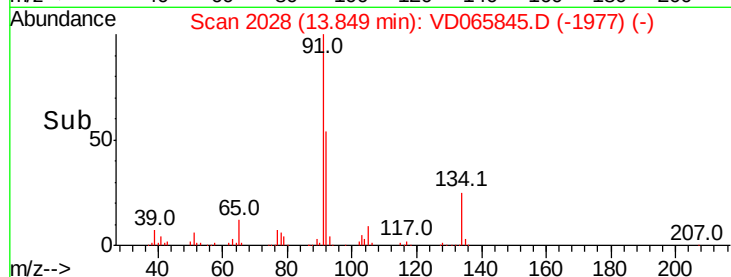
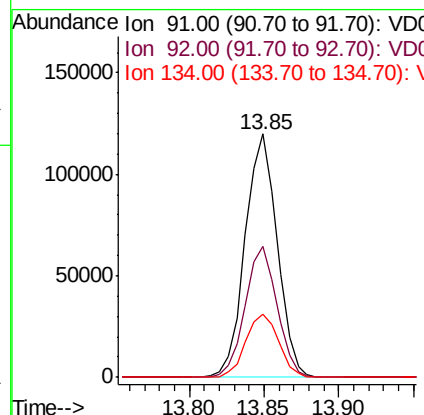
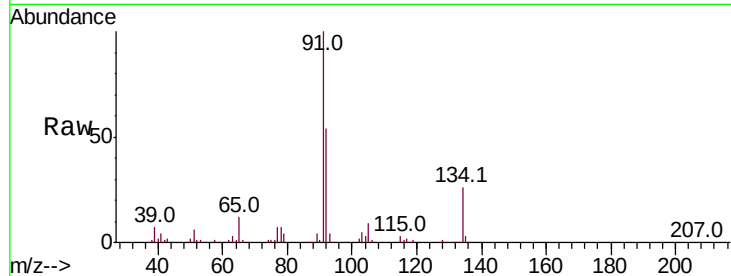




#89
n-Butylbenzene
Concen: 21.425 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

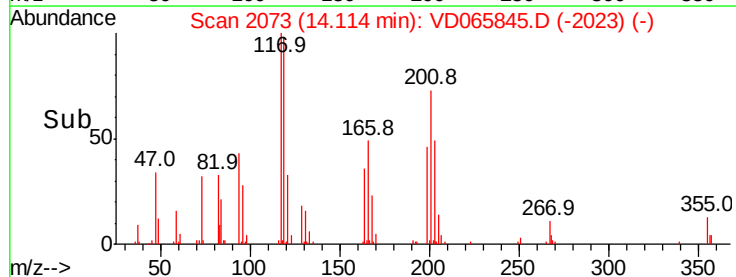
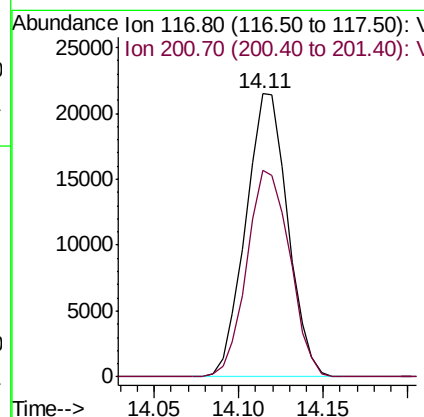
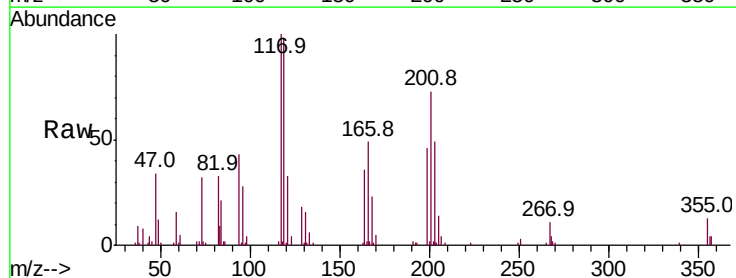
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

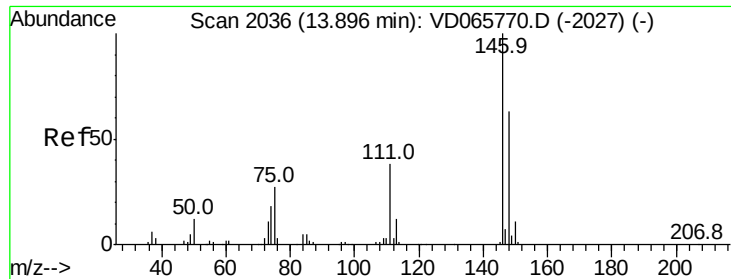
Tot Ion: 91 Resp: 178401
Ion Ratio Lower Upper
91 100
92 53.4 27.0 81.0
134 26.6 13.0 39.0



#90
Hexachloroethane
Concen: 21.371 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD065845.D
Acq: 22 Jun 2020 15:35

Tgt Ion: 117 Resp: 37348
Ion Ratio Lower Upper
117 100
201 74.3 37.1 111.5

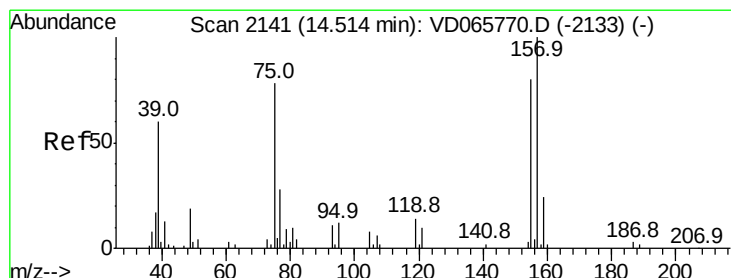
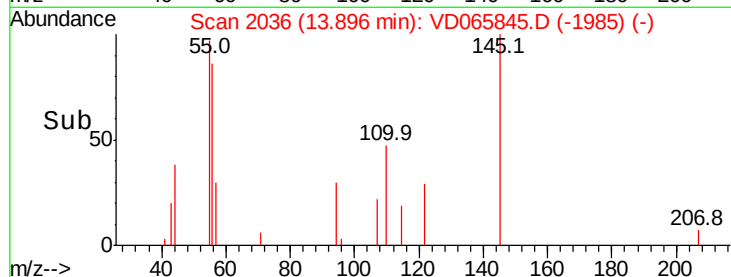
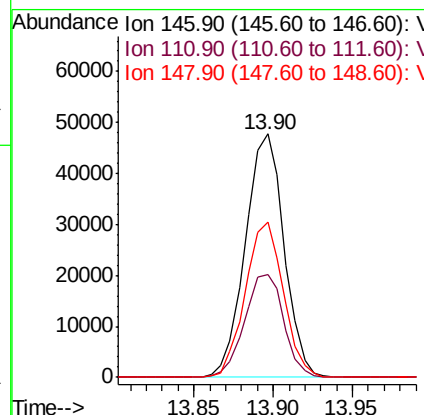
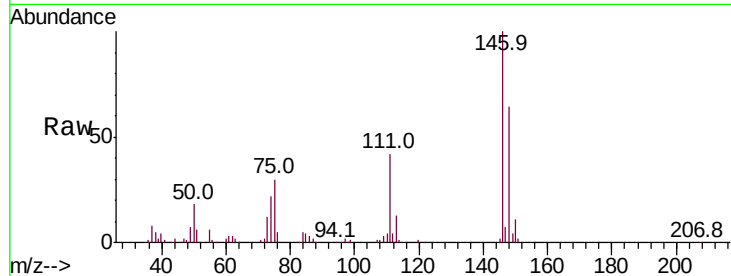




#91
 1,2-Dichlorobenzene
 Concen: 21.277 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

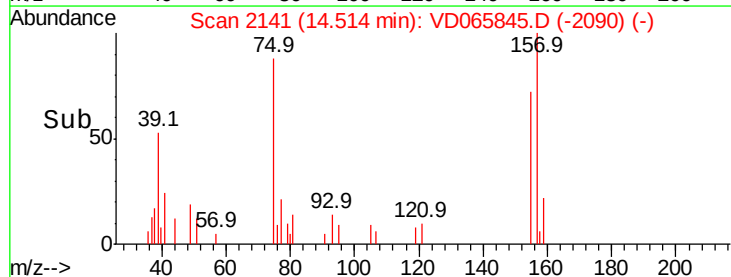
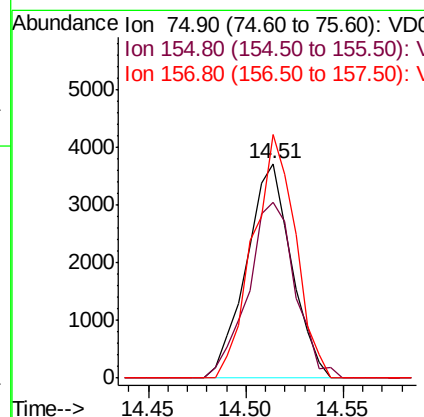
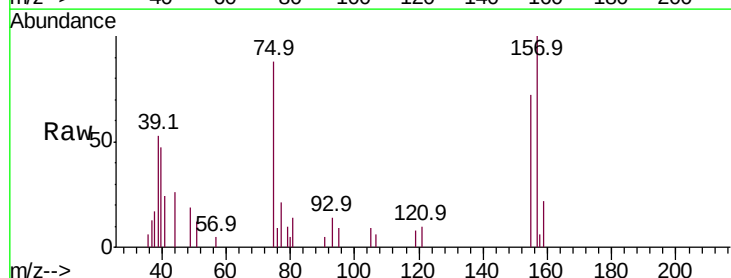
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

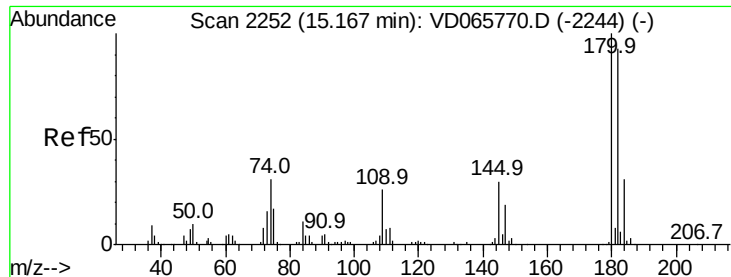
Tot Ion:146 Resp: 80977
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.8 59.4
 148 62.9 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.318 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion: 75 Resp: 5946
 Ion Ratio Lower Upper
 75 100
 155 86.0 46.3 138.9
 157 107.1 58.1 174.3

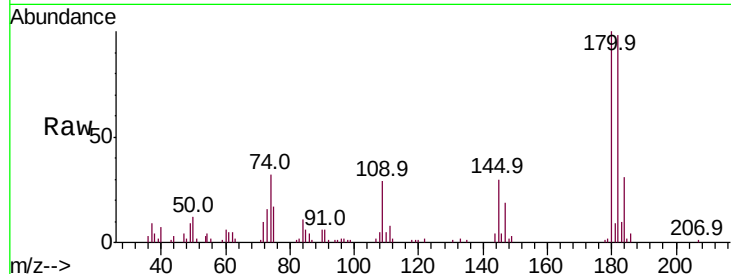




#93
 1,2,4-Trichlorobenzene
 Concen: 20.723 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.0	144.2
145	29.5	14.9	44.9

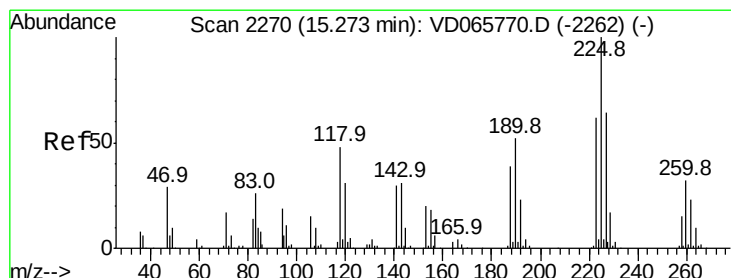
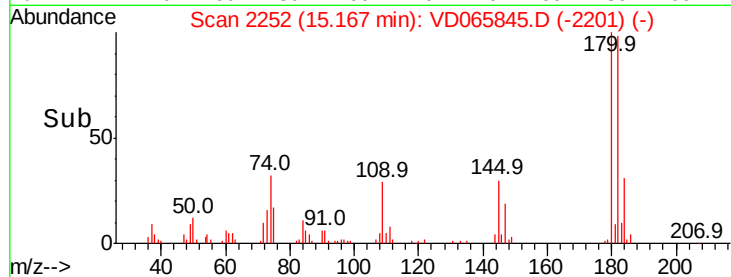
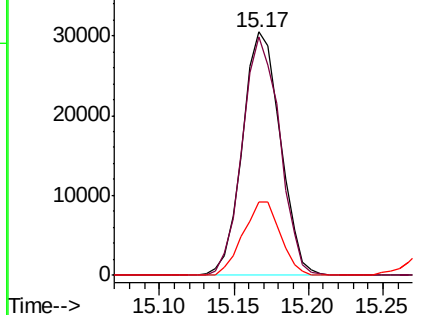


Abundance

Ion 179.80 (179.50 to 180.50): V

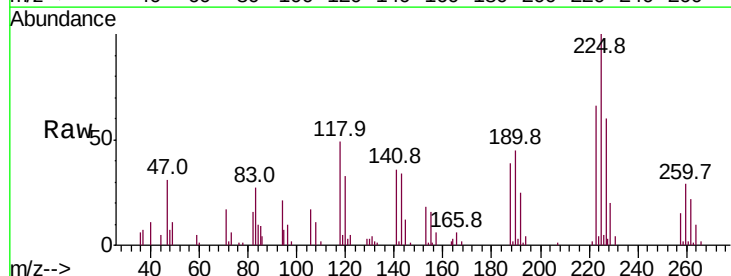
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.779 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD065845.D
 Acq: 22 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.8	30.9	92.7
227	64.5	31.9	95.7

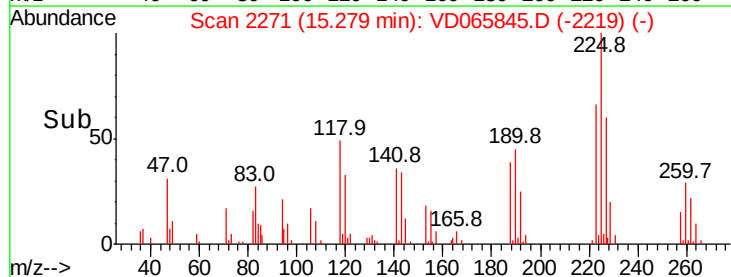
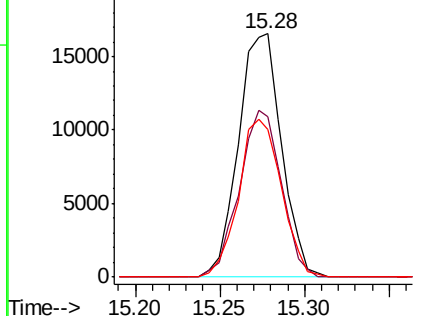


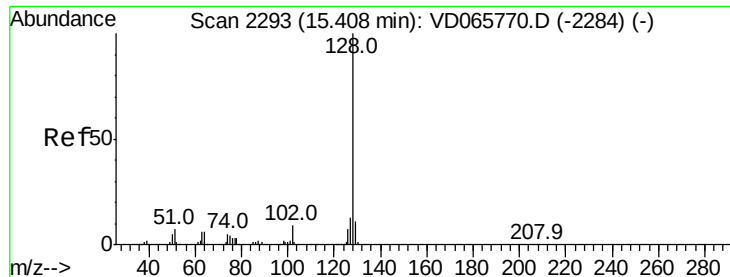
Abundance

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: 20.975 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

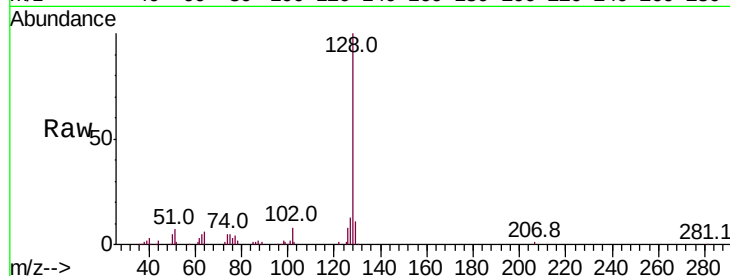
Tot Ion:128 Resp: 91937

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

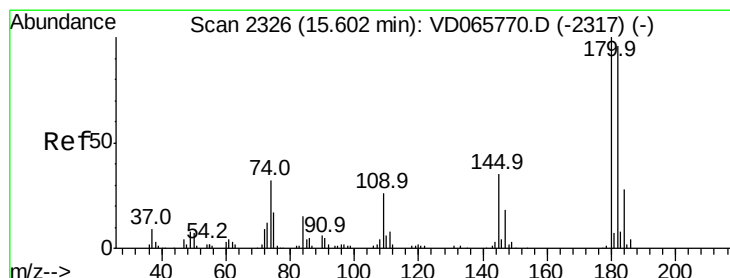
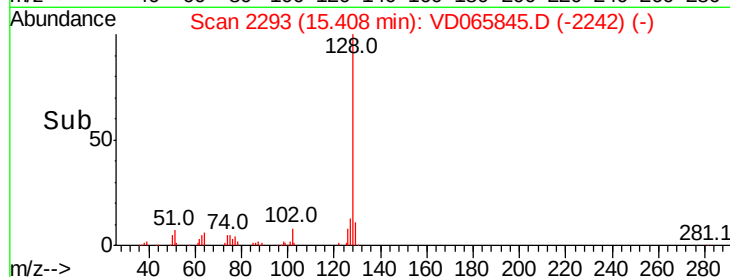
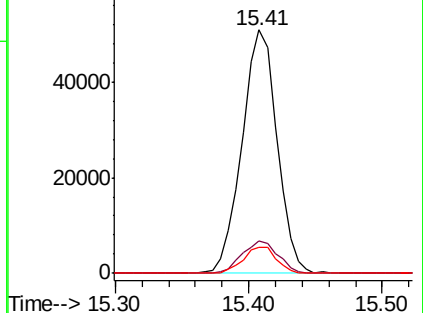
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.806 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD065845.D

Acq: 22 Jun 2020 15:35

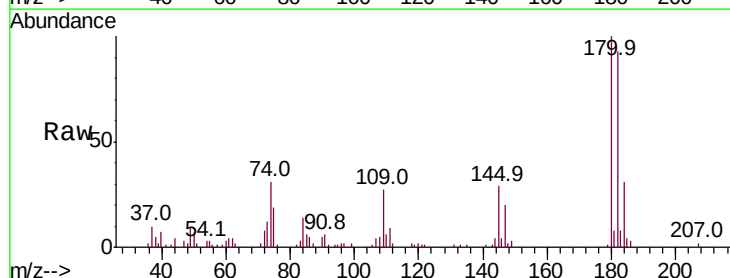
Tgt Ion:180 Resp: 46370

Ion Ratio Lower Upper

180 100

182 93.8 47.0 141.2

145 30.9 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

