

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066211.D
 Acq On : 13 Aug 2020 15:39
 Operator : VA/SY
 Sample : VD0813SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Quant Time: Aug 14 03:00:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	325929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	466377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	428738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224370	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	141246	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	7.91	113	147424	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.34	98	537085	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.63	95	193644	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	58808	20.480	ug/l	98
3) Chloromethane	2.21	50	41299	18.489	ug/l	96
4) Vinyl Chloride	2.34	62	38737	19.588	ug/l	97
5) Bromomethane	2.75	94	26173	19.948	ug/l	87
6) Chloroethane	2.91	64	21846	17.996	ug/l #	84
7) Trichlorofluoromethane	3.27	101	96928	18.800	ug/l	98
8) Diethyl Ether	3.70	74	27437	18.860	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58980	19.276	ug/l	99
10) Methyl Iodide	4.29	142	53458	23.326	ug/l	100
11) Tert butyl alcohol	5.20	59	23169	81.032	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	54994	19.052	ug/l	93
13) Acrolein	3.93	56	17380	75.091	ug/l	100
14) Allyl chloride	4.71	41	79439	18.166	ug/l	97
15) Acrylonitrile	5.42	53	58751	95.837	ug/l	96
16) Acetone	4.16	43	55339	100.301	ug/l	98
17) Carbon Disulfide	4.40	76	163771	17.845	ug/l	99
18) Methyl Acetate	4.72	43	26512	18.918	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	121937	18.431	ug/l	100
20) Methylene Chloride	4.96	84	78985	22.348	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	59519	17.950	ug/l	94
22) Diisopropyl ether	6.36	45	161389	18.663	ug/l	97
23) Vinyl Acetate	6.30	43	469837	92.742	ug/l	99
24) 1,1-Dichloroethane	6.26	63	99021	18.503	ug/l	99
25) 2-Butanone	7.21	43	73716	90.840	ug/l	98
26) 2,2-Dichloropropane	7.20	77	93246	19.440	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	67421	19.385	ug/l	96
28) Bromochloromethane	7.54	49	40006	21.284	ug/l	99
29) Tetrahydrofuran	7.56	42	45622	90.741	ug/l	99
30) Chloroform	7.70	83	116934	20.809	ug/l	93
31) Cyclohexane	7.98	56	92756	18.208	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	100572	19.088	ug/l	99
36) 1,1-Dichloropropene	8.11	75	81181	18.524	ug/l	98
37) Ethyl Acetate	7.28	43	32500	18.717	ug/l	96
38) Carbon Tetrachloride	8.09	117	96655	19.777	ug/l	91

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	98331	18.561	ug/l	98
40) Benzene	8.34	78	224359	18.454	ug/l	95
41) Methacrylonitrile	7.51	41	19138	18.745	ug/l	96
42) 1,2-Dichloroethane	8.42	62	70048	19.613	ug/l	99
43) Isopropyl Acetate	8.45	43	64479	18.847	ug/l	100
44) Trichloroethene	9.11	130	69826	19.060	ug/l	95
45) 1,2-Dichloropropane	9.38	63	57805	19.441	ug/l	96
46) Dibromomethane	9.47	93	31648	19.323	ug/l	98
47) Bromodichloromethane	9.66	83	82710	19.107	ug/l	93
48) Methyl methacrylate	9.46	41	29959	17.149	ug/l	87
49) 1,4-Dioxane	9.46	88	7239	344.027	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	164012	93.329	ug/l	100
52) Toluene	10.40	92	155400	19.425	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	77995	18.986	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	95009	19.740	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	45523	19.303	ug/l	99
56) Ethyl methacrylate	10.66	69	54217	19.137	ug/l	98
57) 1,3-Dichloropropane	10.94	76	75187	19.204	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	136239	106.907	ug/l	99
59) 2-Hexanone	10.98	43	117953	95.637	ug/l	95
60) Dibromochloromethane	11.14	129	61502	18.889	ug/l	98
61) 1,2-Dibromoethane	11.24	107	43637	19.240	ug/l	100
64) Tetrachloroethene	10.87	164	62341	18.936	ug/l	96
65) Chlorobenzene	11.67	112	165873	19.058	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	65737	19.304	ug/l	98
67) Ethyl Benzene	11.74	91	289562	19.199	ug/l	100
68) m/p-Xylenes	11.85	106	229243	39.230	ug/l	99
69) o-Xylene	12.18	106	100517	18.909	ug/l	97
70) Styrene	12.20	104	181964	19.533	ug/l	99
71) Bromoform	12.36	173	38988	19.324	ug/l #	98
73) Isopropylbenzene	12.48	105	289171	19.307	ug/l	100
74) N-amyl acetate	12.28	43	60830	18.444	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	48537	19.005	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	64674	34.565	ug/l #	100
77) Bromobenzene	12.76	156	75881	19.681	ug/l	96
78) n-propylbenzene	12.82	91	332743	19.112	ug/l	99
79) 2-Chlorotoluene	12.91	91	184626	18.542	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	241267	19.262	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	16682	19.709	ug/l	96
82) 4-Chlorotoluene	13.01	91	199732	19.001	ug/l	99
83) tert-Butylbenzene	13.23	119	201696	18.310	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	241500	19.266	ug/l	99
85) sec-Butylbenzene	13.40	105	284022	19.097	ug/l	99
86) p-Isopropyltoluene	13.52	119	269664	19.332	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	140355	19.370	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	137971	19.093	ug/l	98
89) n-Butylbenzene	13.85	91	238935	19.118	ug/l	99
90) Hexachloroethane	14.11	117	51811	18.624	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	122187	19.067	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8932	20.349	ug/l	90

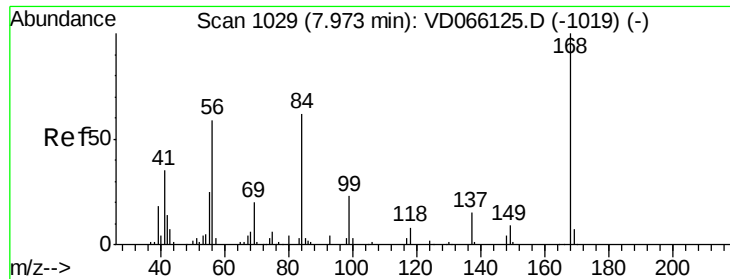
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	88201	18.677	ug/l	99
94) Hexachlorobutadiene	15.27	225	51806	18.629	ug/l	99
95) Naphthalene	15.41	128	140005	18.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	76763	18.413	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

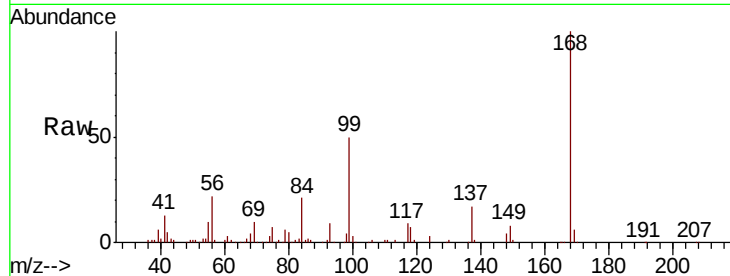
VD0813SBS01

Tot Ion:168 Resp: 325929

Ion Ratio Lower Upper

168 100

99 50.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

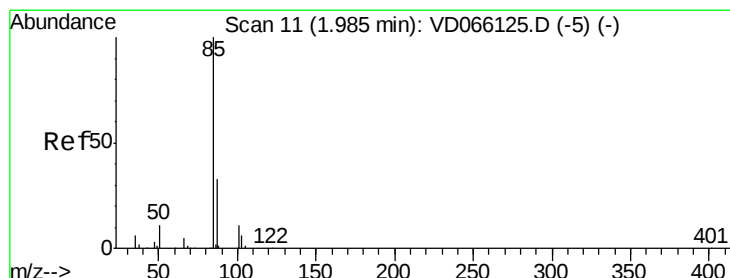
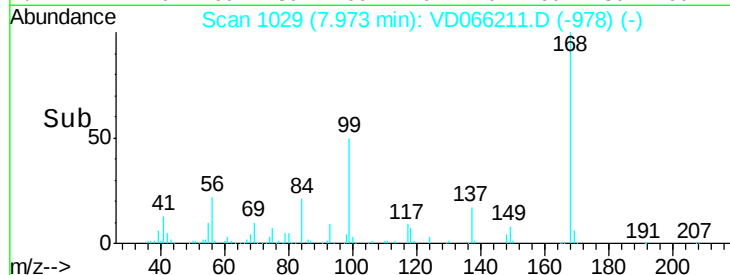
100000

50000

0

7.90 7.97 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.480 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066211.D

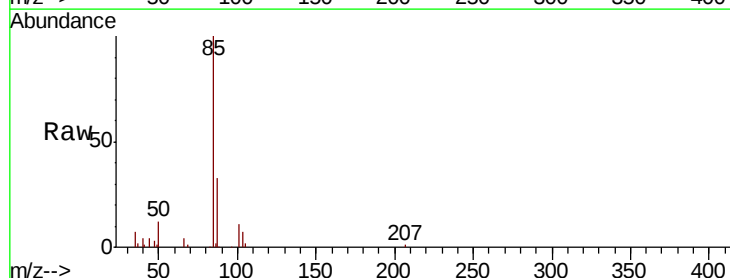
Acq: 13 Aug 2020 15:39

Tgt Ion: 85 Resp: 58808

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

50000

40000

30000

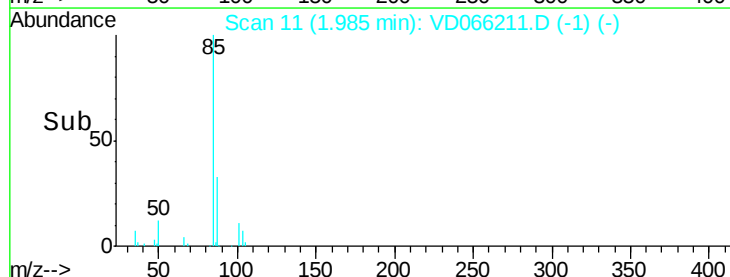
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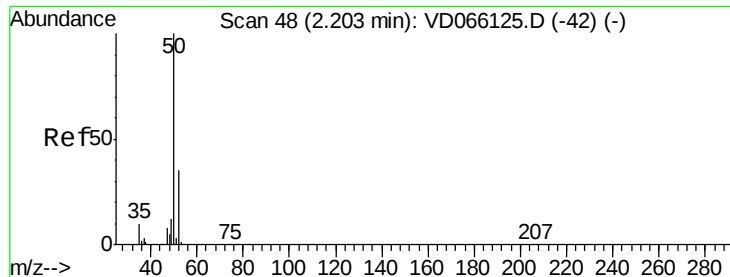
10000

0

1.90 1.95 1.99 2.05

Time-->





#3

Chloromethane

Concen: 18.489 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

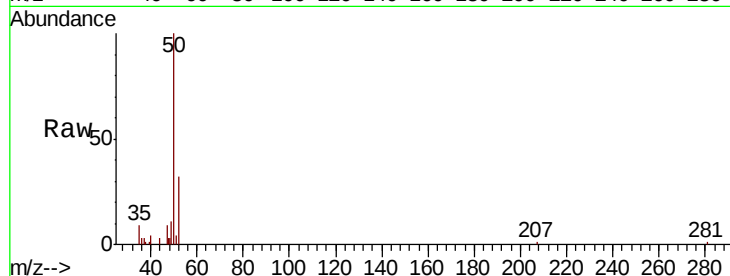
VD0813SBS01

Tot Ion: 50 Resp: 41299

Ion Ratio Lower Upper

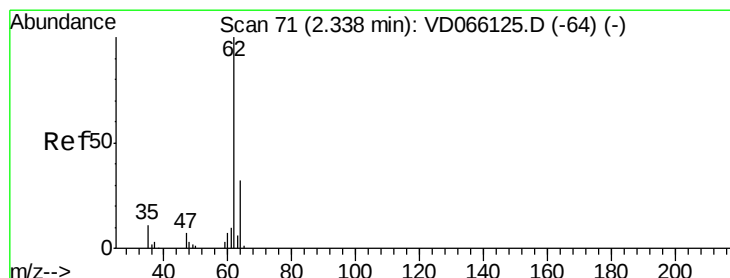
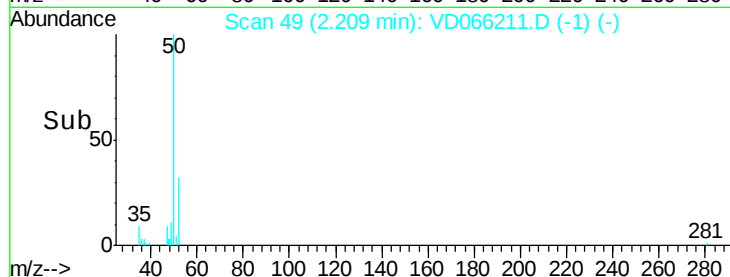
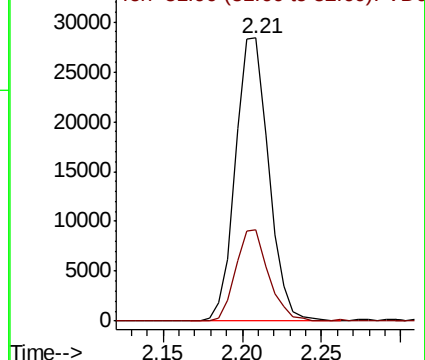
50 100

52 32.4 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.588 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066211.D

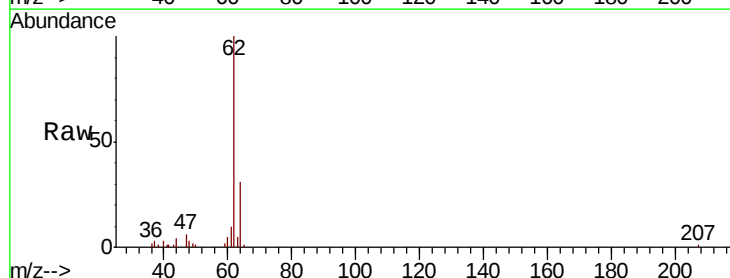
Acq: 13 Aug 2020 15:39

Tgt Ion: 62 Resp: 38737

Ion Ratio Lower Upper

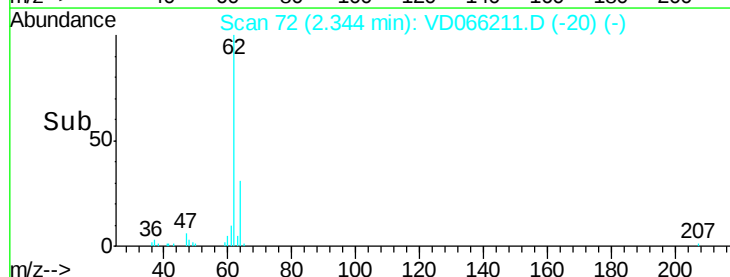
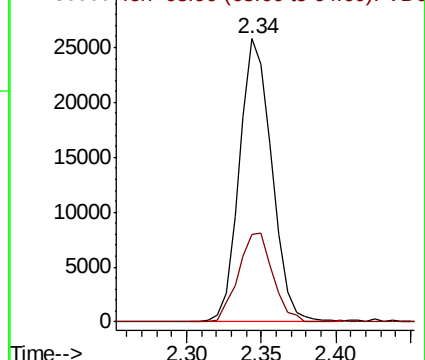
62 100

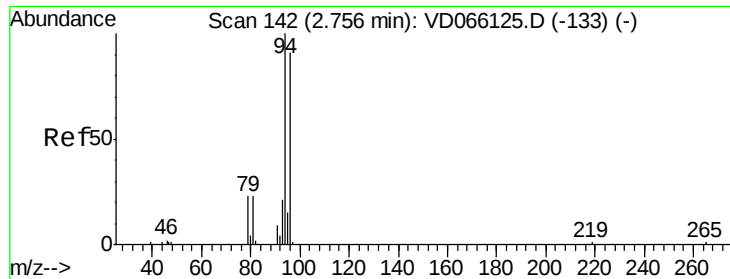
64 30.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.948 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

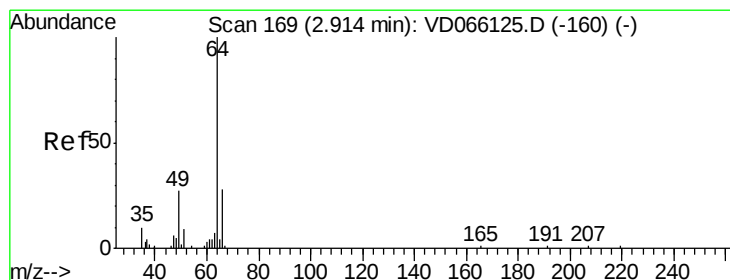
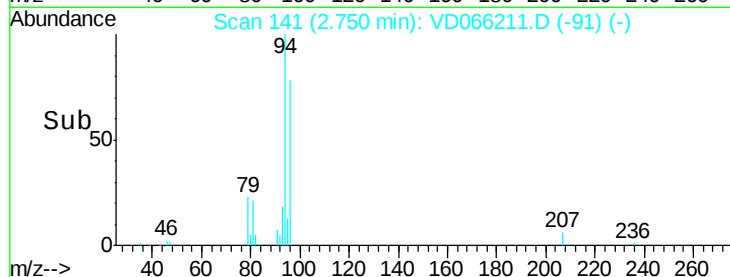
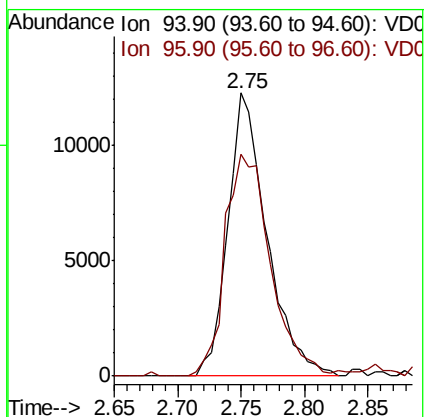
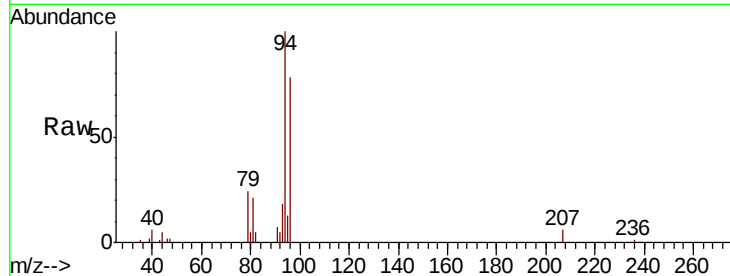
VD0813SBS01

Tot Ion: 94 Resp: 26173

Ion Ratio Lower Upper

94 100

96 78.3 72.6 109.0



#6

Chloroethane

Concen: 17.996 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066211.D

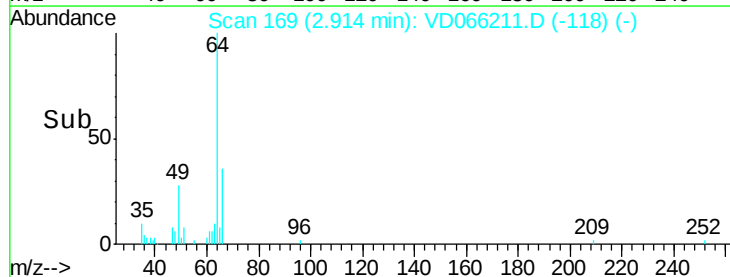
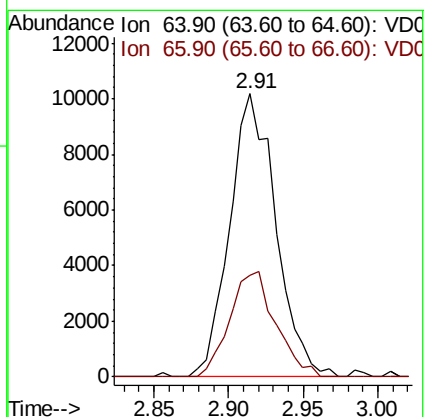
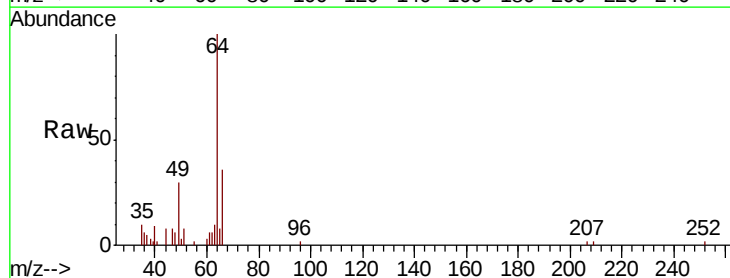
Acq: 13 Aug 2020 15:39

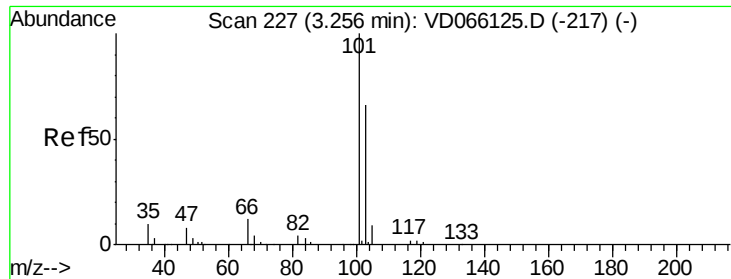
Tgt Ion: 64 Resp: 21846

Ion Ratio Lower Upper

64 100

66 35.9 22.0 33.0#



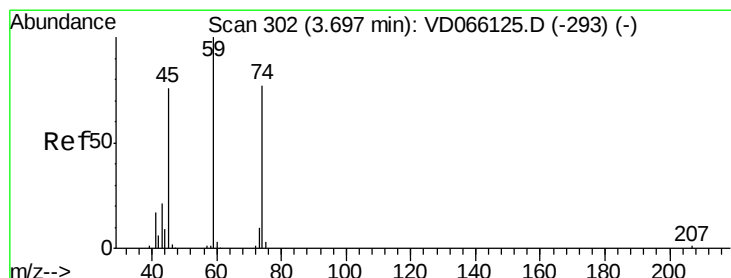
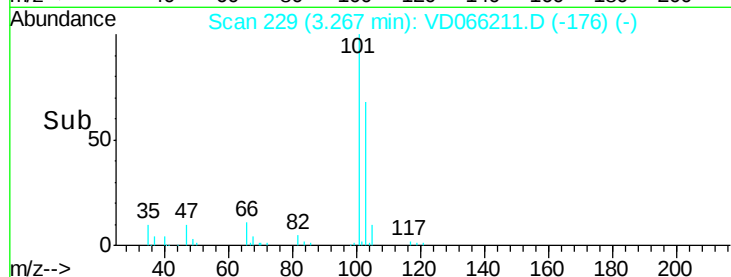
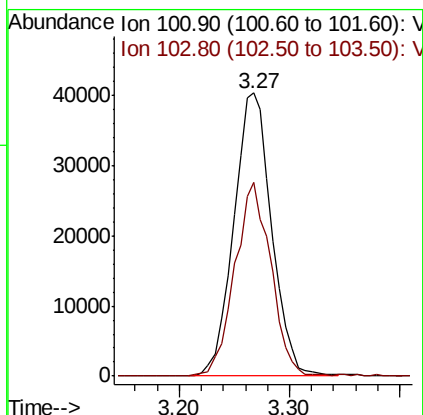
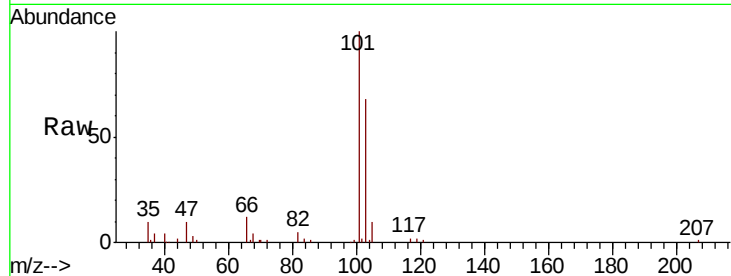


#7

Trichlorofluoromethane
Concen: 18.800 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

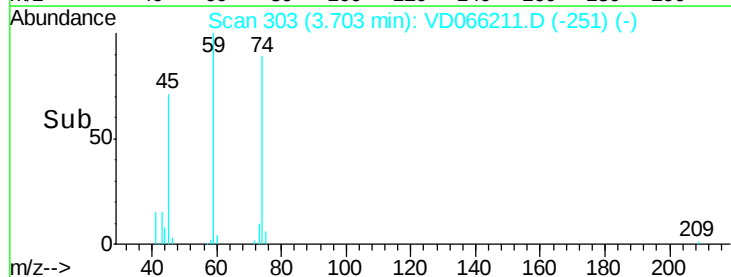
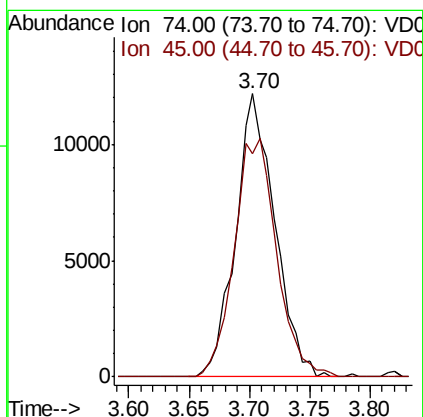
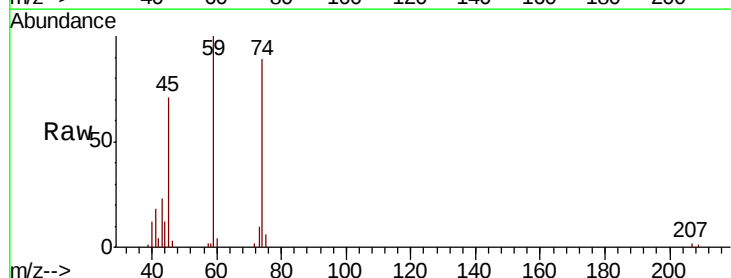
Tot Ion:101 Resp: 96928
Ion Ratio Lower Upper
101 100
103 68.3 53.0 79.6

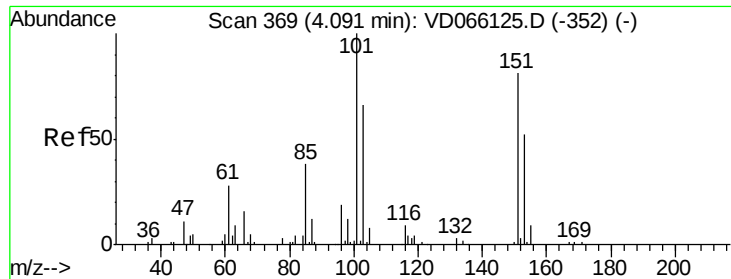


#8

Diethyl Ether
Concen: 18.860 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion: 74 Resp: 27437
Ion Ratio Lower Upper
74 100
45 91.5 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.276 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

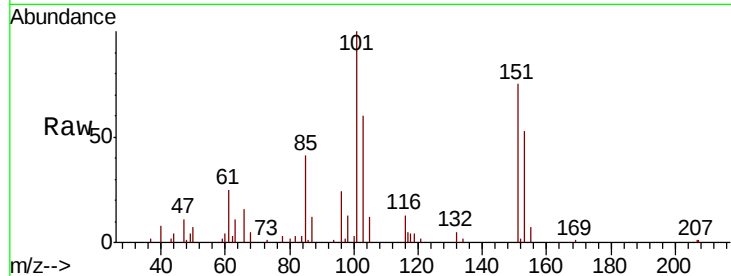
Tot Ion:101 Resp: 58980

Ion Ratio Lower Upper

101 100

85 43.4 33.5 50.3

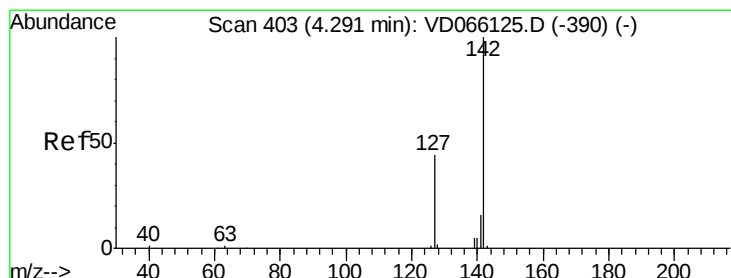
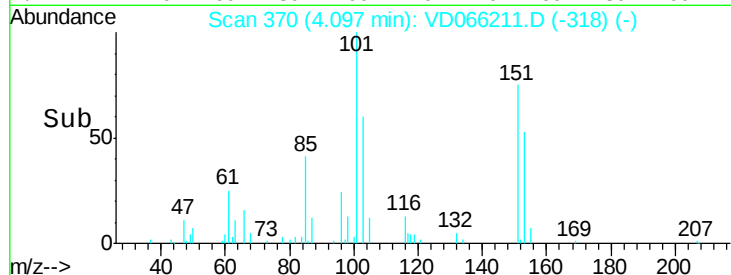
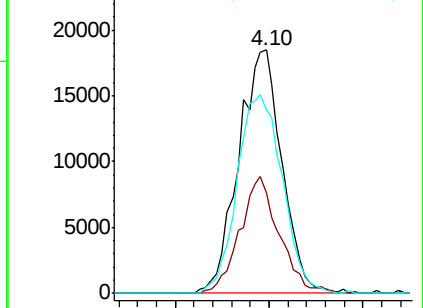
151 85.5 67.8 101.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.326 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

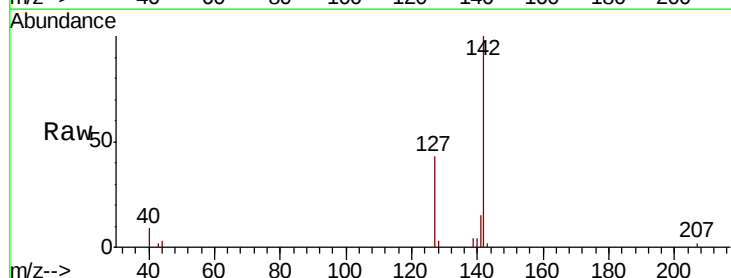
Tgt Ion:142 Resp: 53458

Ion Ratio Lower Upper

142 100

127 45.2 36.2 54.4

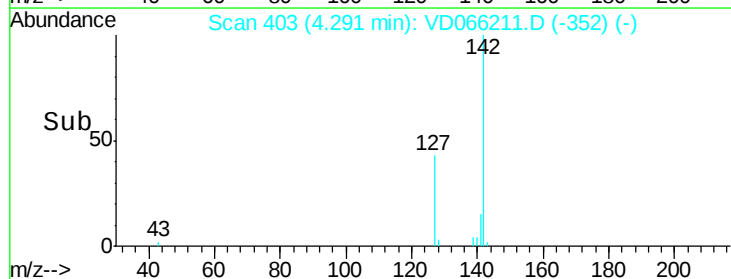
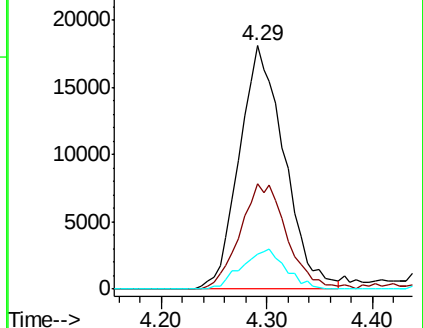
141 16.1 12.6 18.8

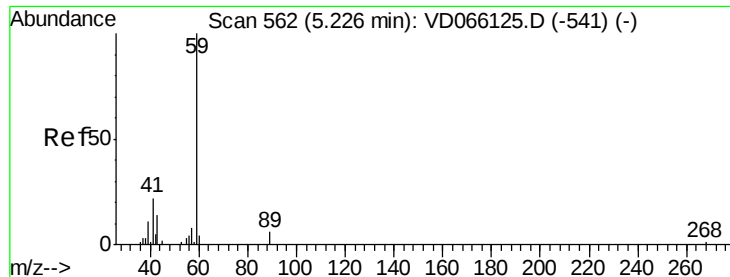


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

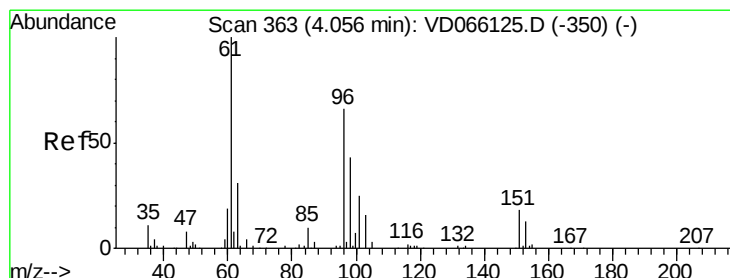
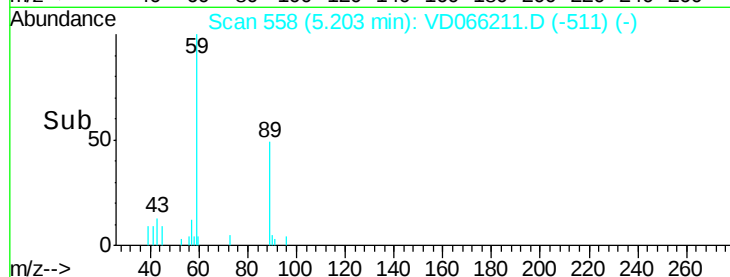
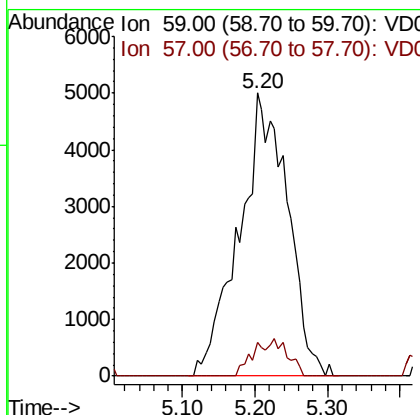
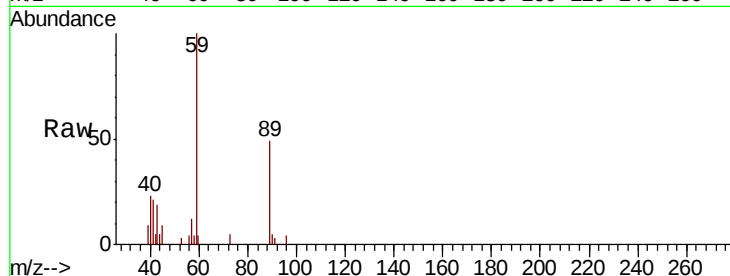




#11
Tert butyl alcohol
Concen: 81.032 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

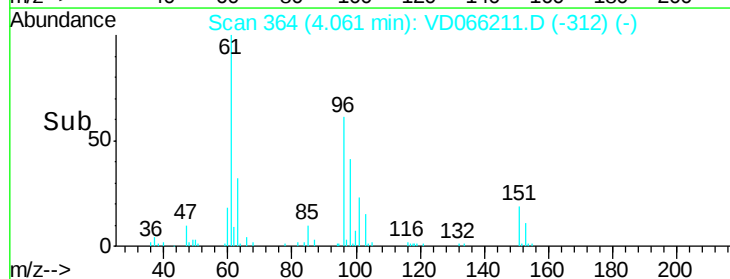
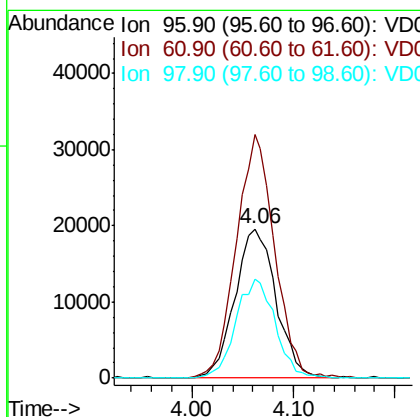
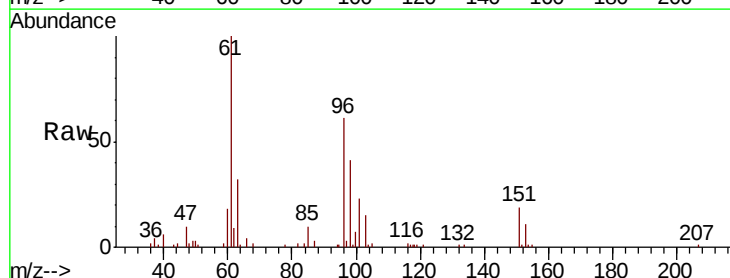
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

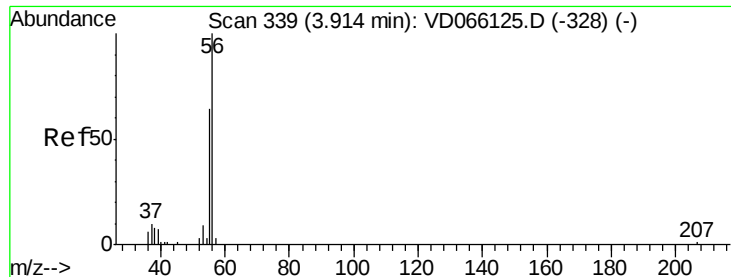
Tot Ion: 59 Resp: 23169
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



#12
1,1-Dichloroethene
Concen: 19.052 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion: 96 Resp: 54994
Ion Ratio Lower Upper
96 100
61 163.1 121.6 182.4
98 66.2 52.0 78.0





#13

Acrolein

Concen: 75.091 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

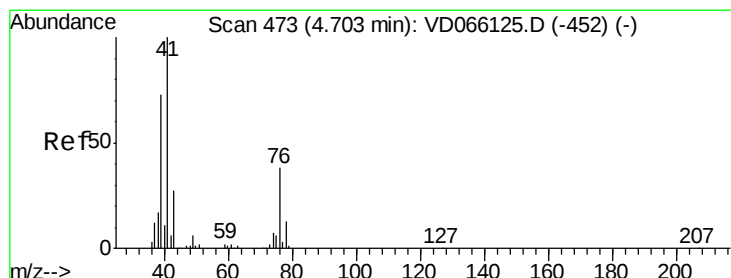
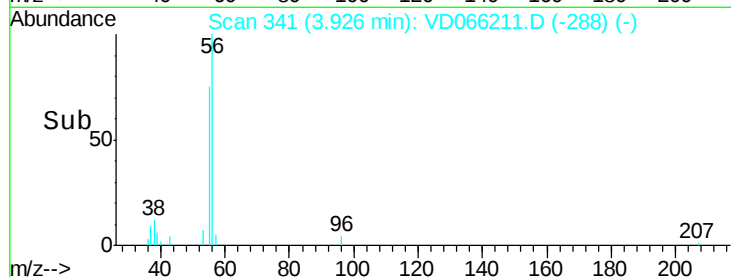
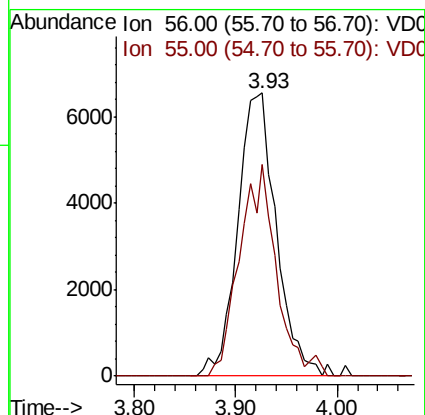
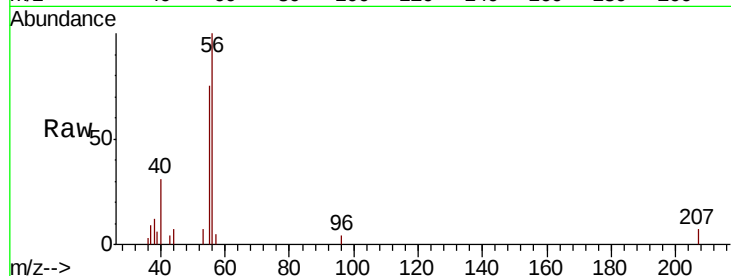
VD0813SBS01

Tot Ion: 56 Resp: 17380

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Allyl chloride

Concen: 18.166 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

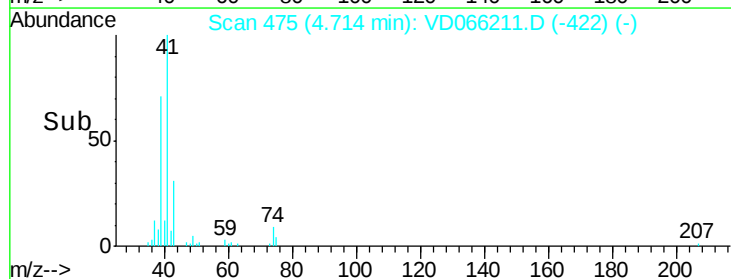
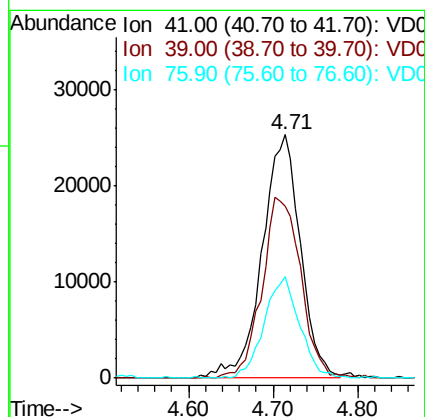
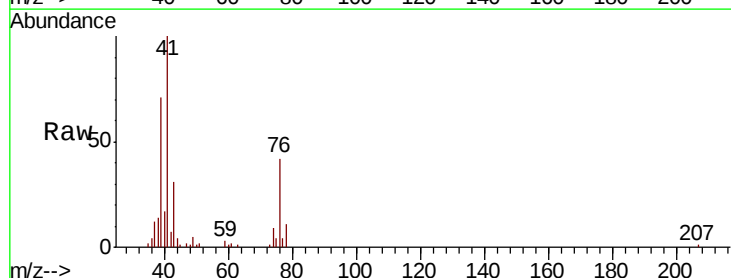
Tgt Ion: 41 Resp: 79439

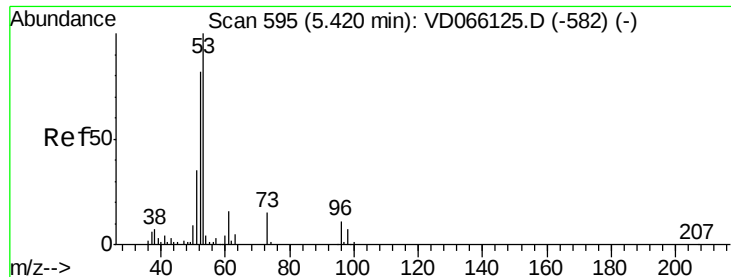
Ion Ratio Lower Upper

41 100

39 75.2 57.4 86.0

76 38.8 30.1 45.1





#15

Acrylonitrile

Concen: 95.837 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

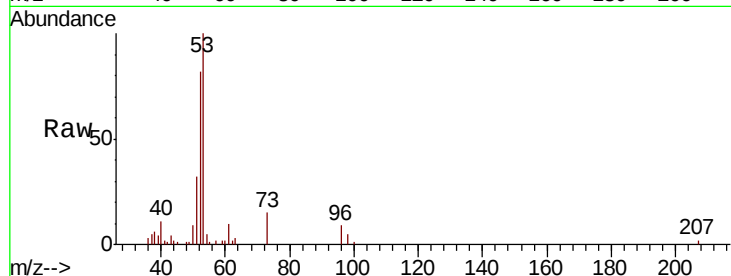
Tot Ion: 53 Resp: 58751

Ion Ratio Lower Upper

53 100

52 79.7 66.1 99.1

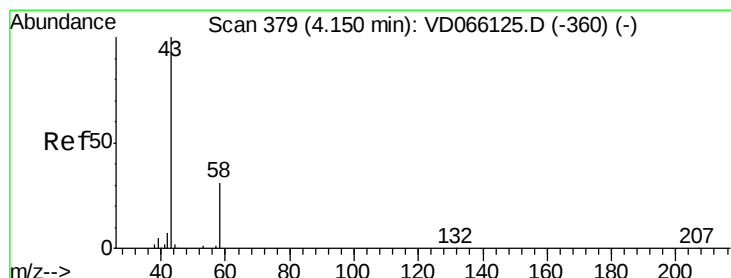
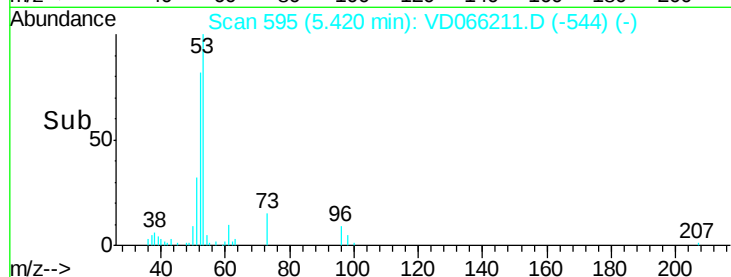
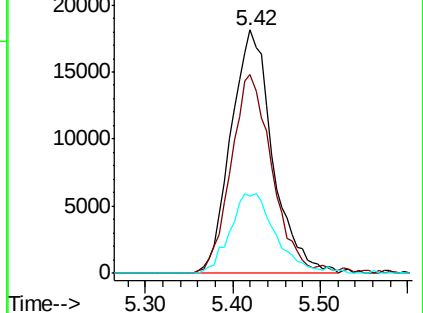
51 35.2 30.8 46.2



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: 100.301 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066211.D

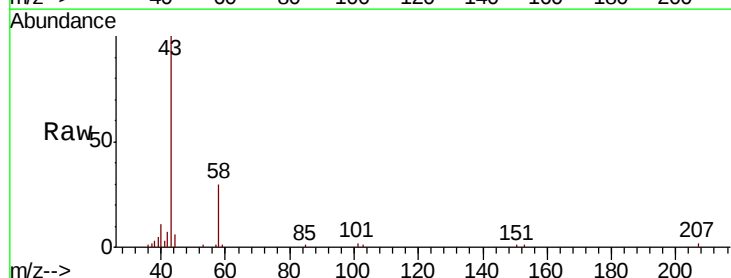
Acq: 13 Aug 2020 15:39

Tgt Ion: 43 Resp: 55339

Ion Ratio Lower Upper

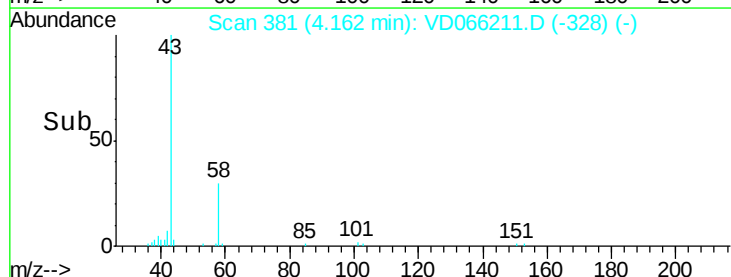
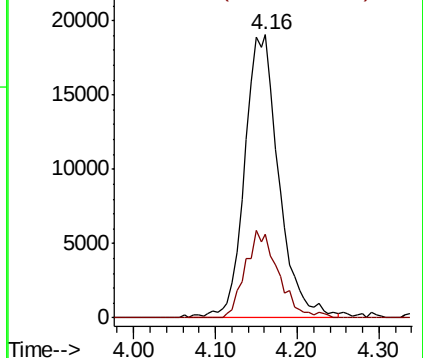
43 100

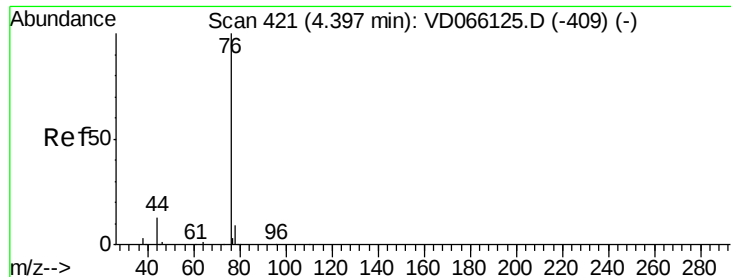
58 29.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 17.845 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

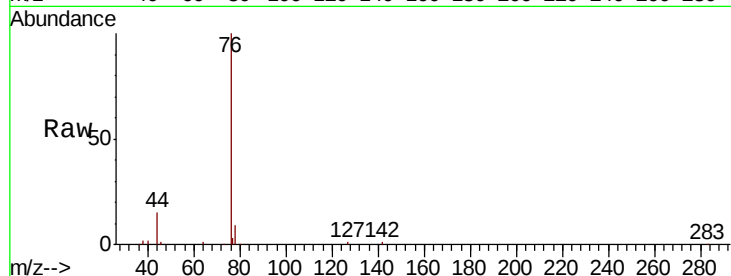
VD0813SBS01

Tot Ion: 76 Resp: 163771

Ion Ratio Lower Upper

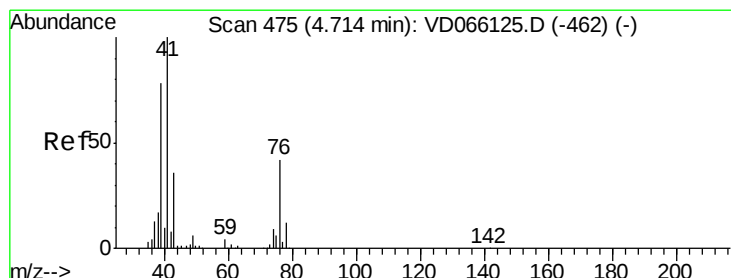
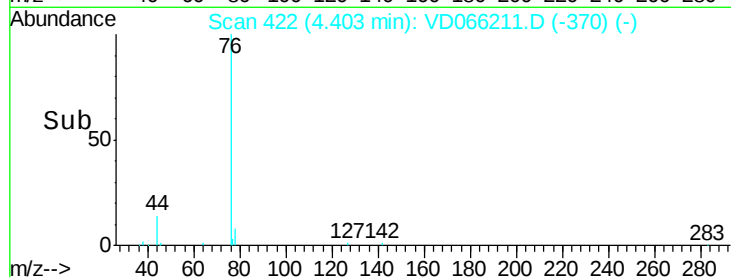
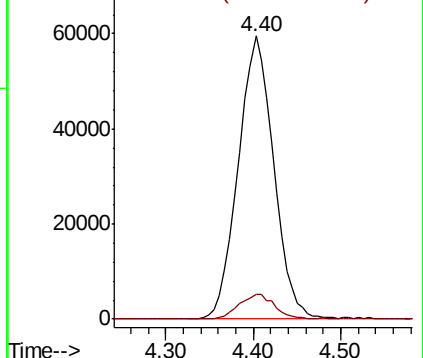
76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.918 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066211.D

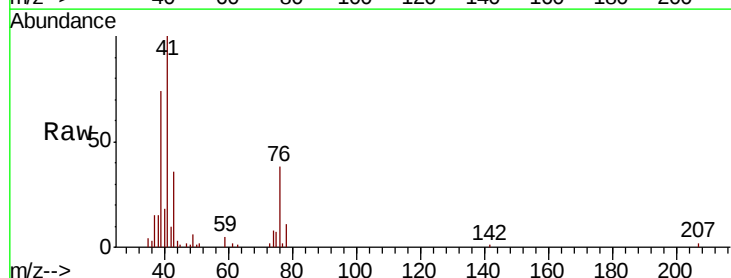
Acq: 13 Aug 2020 15:39

Tgt Ion: 43 Resp: 26512

Ion Ratio Lower Upper

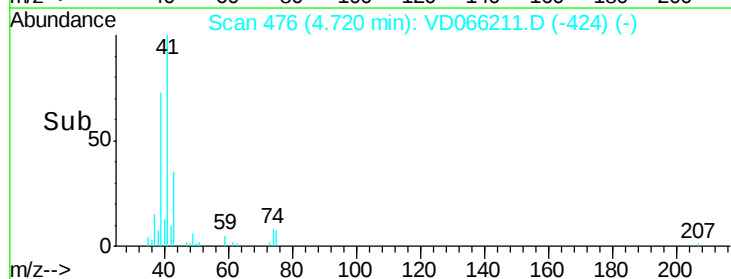
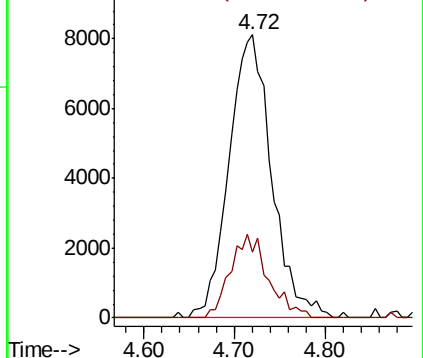
43 100

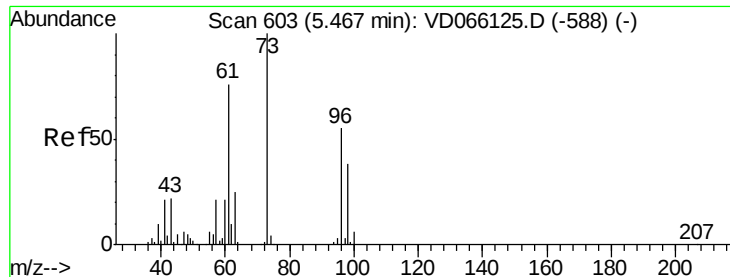
74 26.0 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

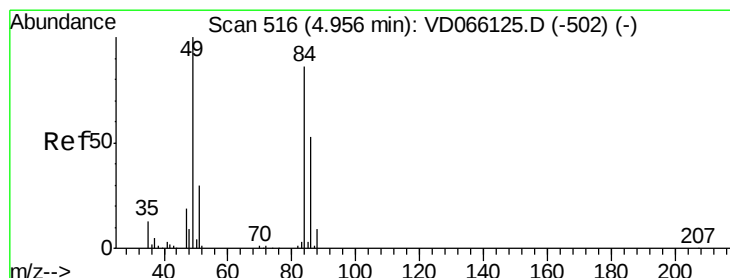
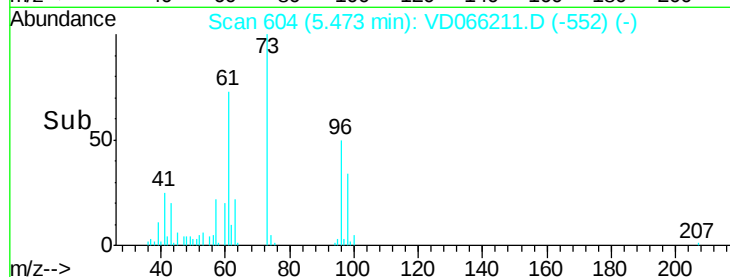
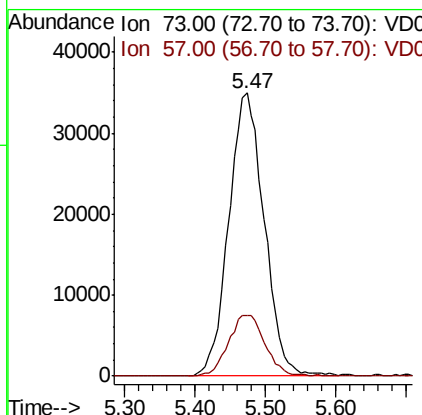
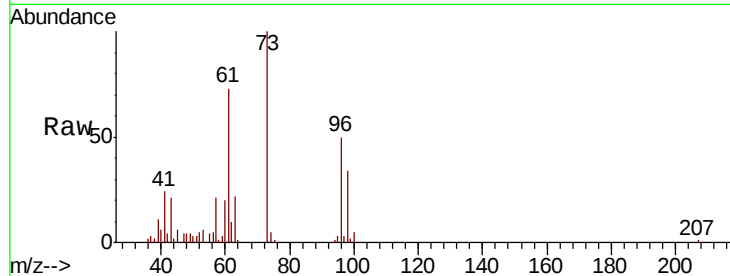




#19
Methvl tert-butvl Ether
Concen: 18.431 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

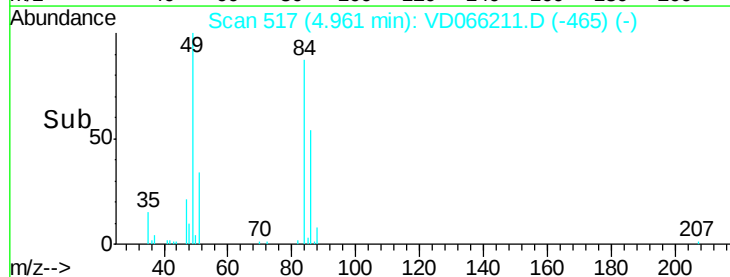
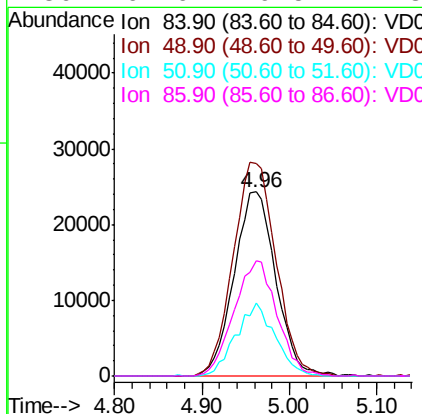
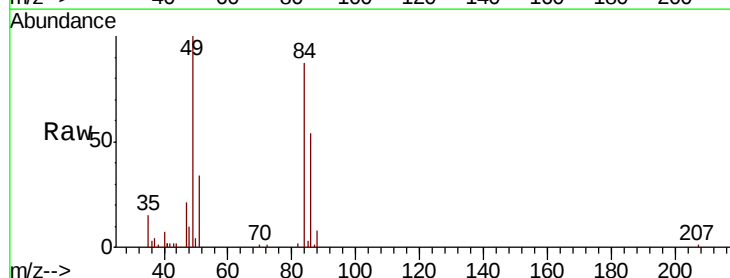
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

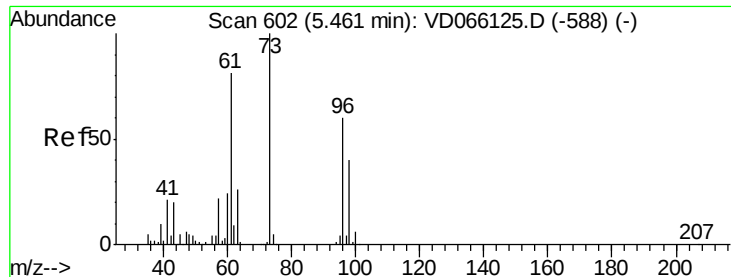
Tot Ion: 73 Resp: 121937
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7



#20
Methylene Chloride
Concen: 22.348 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion: 84 Resp: 78985
Ion Ratio Lower Upper
84 100
49 115.4 93.5 140.3
51 39.5 28.2 42.4
86 62.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 17.950 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

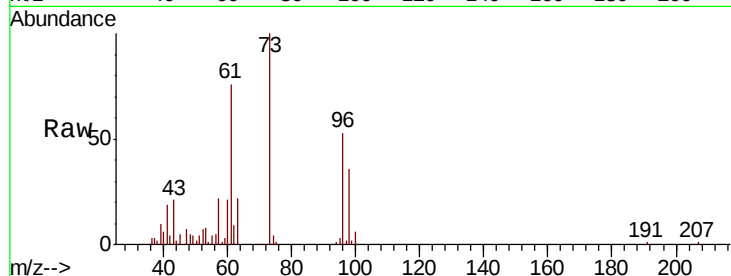
Tot Ion: 96 Resp: 59519

Ion Ratio Lower Upper

96 100

61 142.8 106.9 160.3

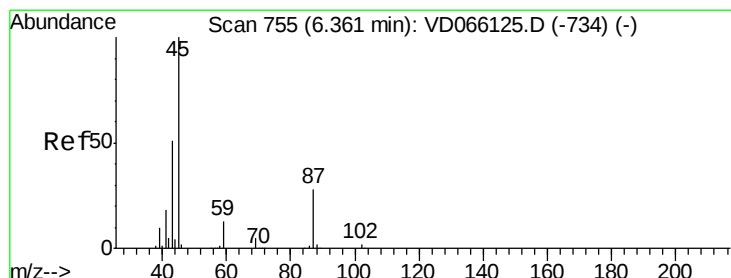
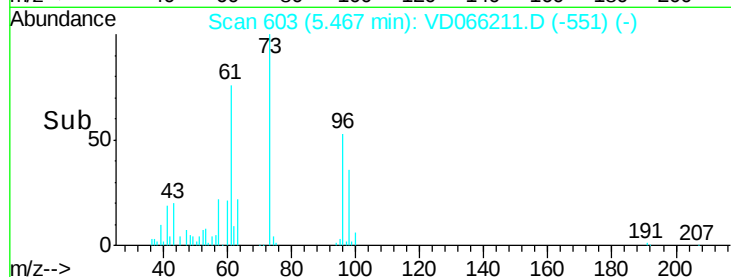
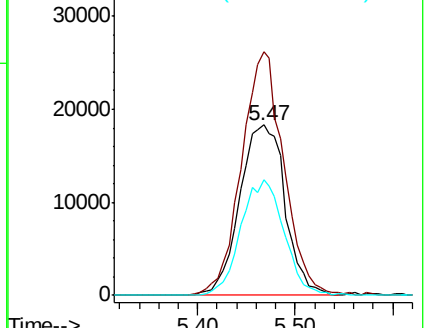
98 67.9 53.4 80.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 18.663 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Tgt Ion: 45 Resp: 161389

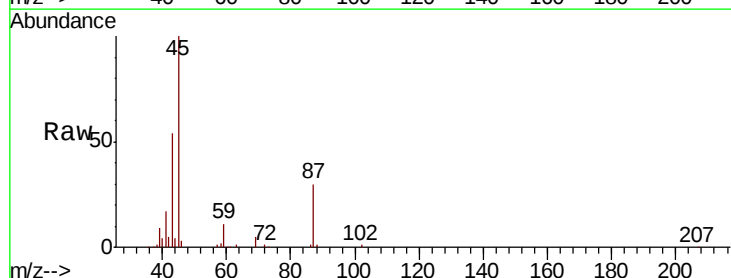
Ion Ratio Lower Upper

45 100

43 52.8 41.2 61.8

87 30.3 22.8 34.2

59 10.6 10.2 15.2

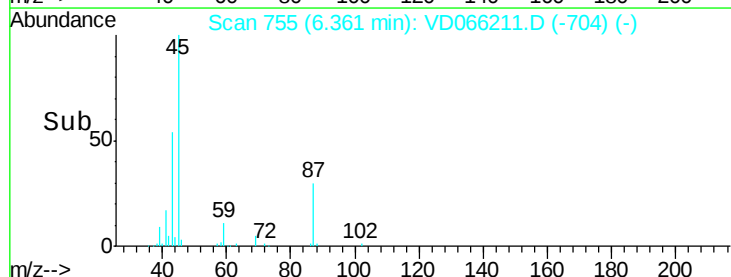
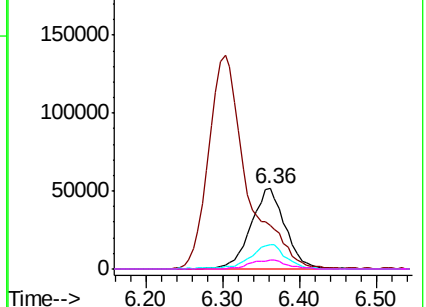


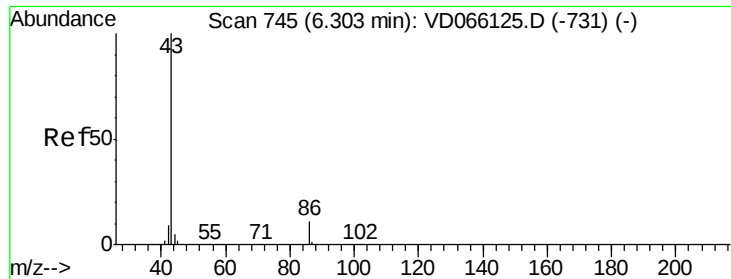
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 92.742 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

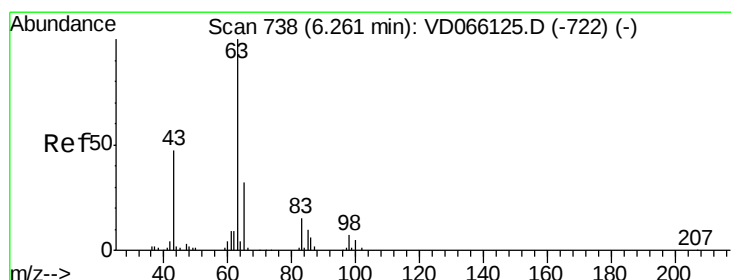
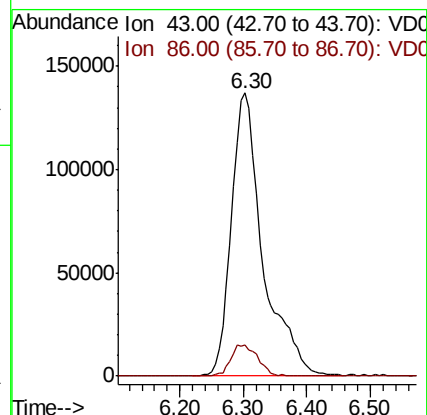
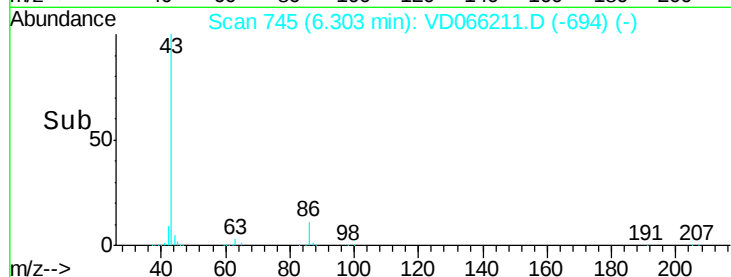
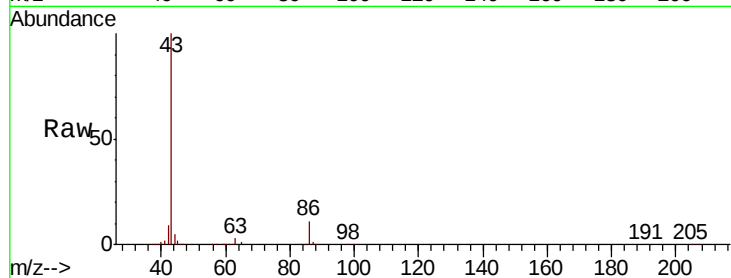
VD0813SBS01

Tot Ion: 43 Resp: 469837

Ion Ratio Lower Upper

43 100

86 11.0 9.1 13.7



#24

1,1-Dichloroethane

Concen: 18.503 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

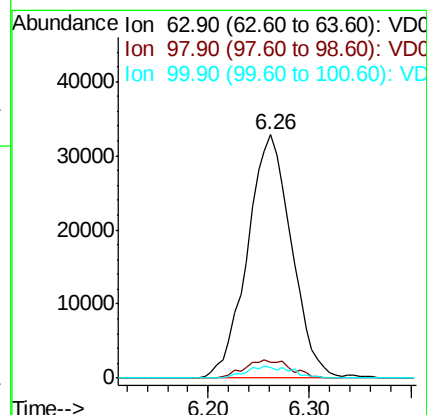
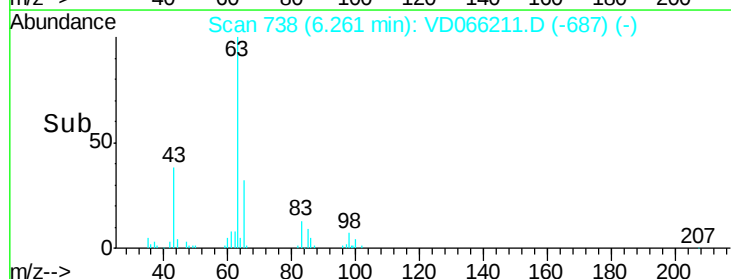
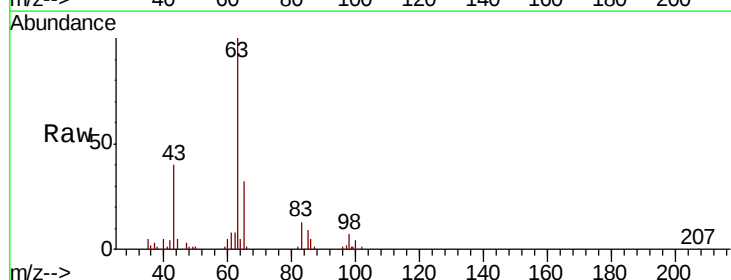
Tgt Ion: 63 Resp: 99021

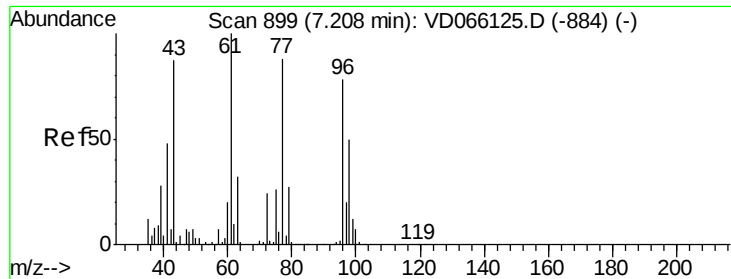
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 90.840 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

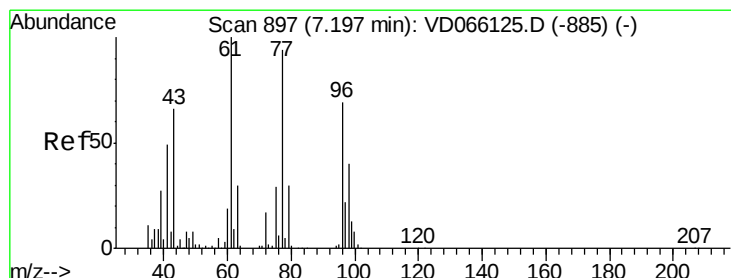
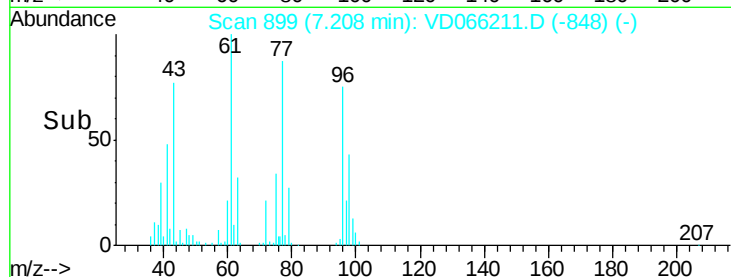
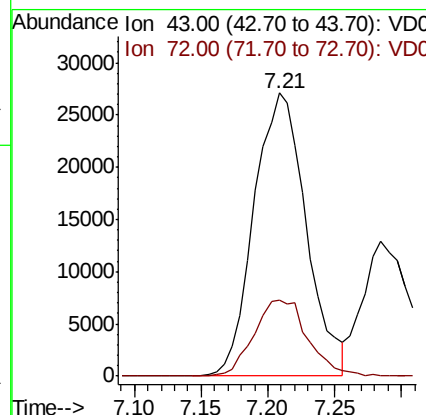
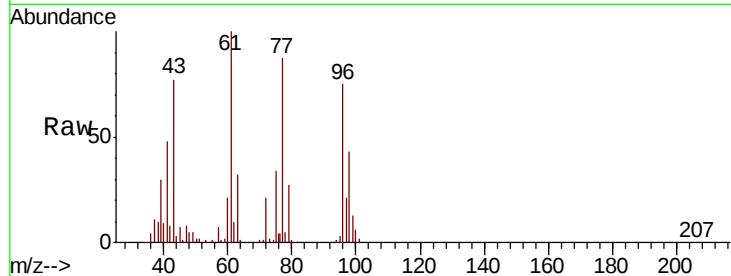
VD0813SBS01

Tot Ion: 43 Resp: 73716

Ion Ratio Lower Upper

43 100

72 26.8 22.2 33.2



#26

2,2-Dichloropropane

Concen: 19.440 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066211.D

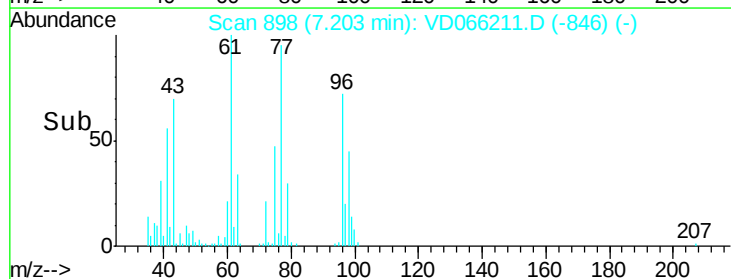
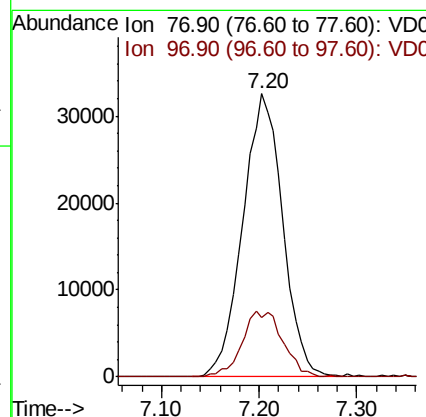
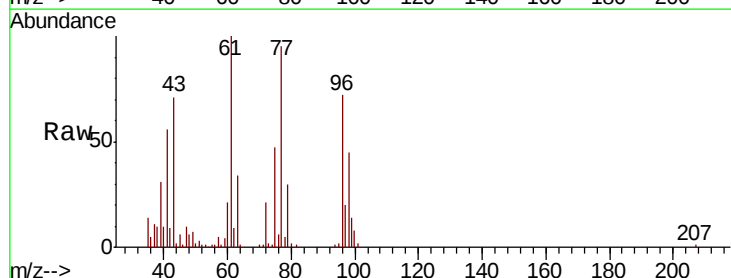
Acq: 13 Aug 2020 15:39

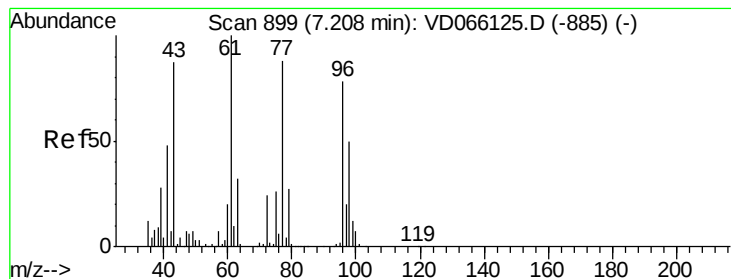
Tgt Ion: 77 Resp: 93246

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3



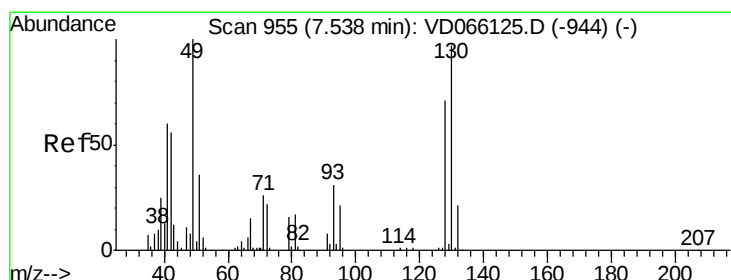
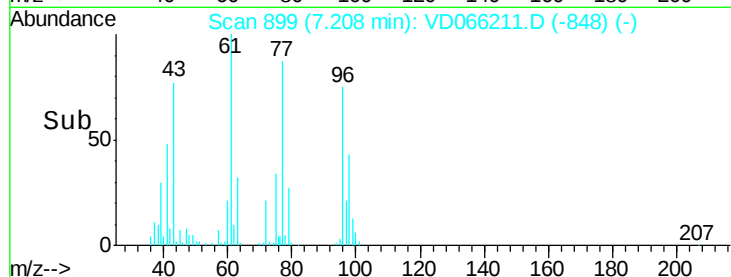
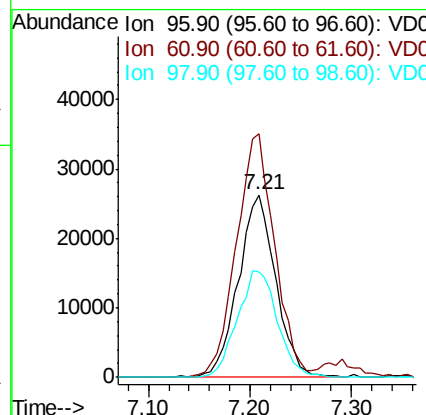
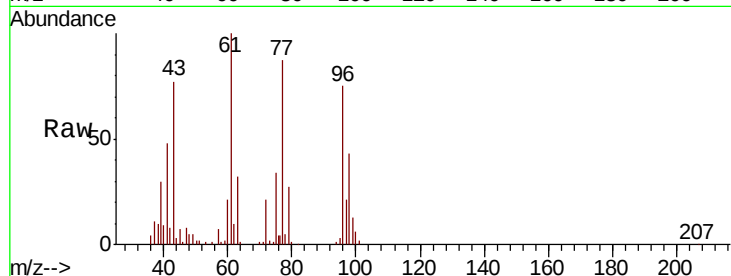


#27

cis-1,2-Dichloroethene
 Concen: 19.385 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

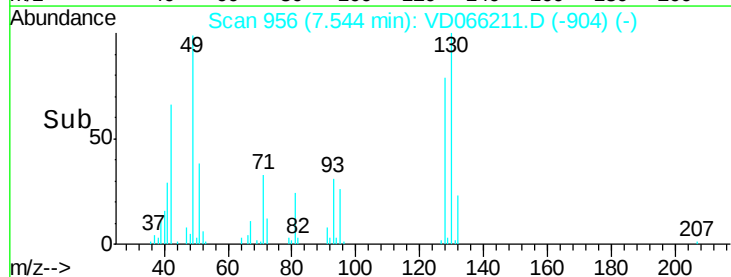
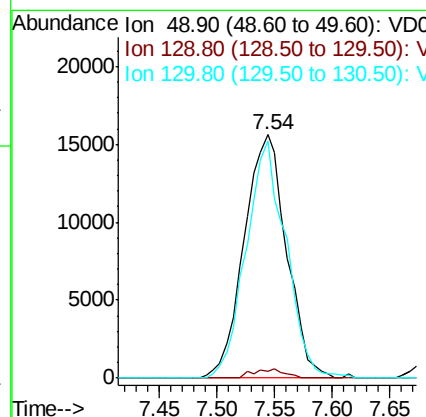
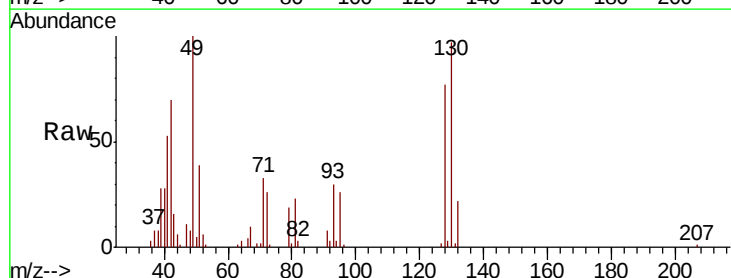
Tot Ion: 96 Resp: 67421
 Ion Ratio Lower Upper
 96 100
 61 136.3 0.0 281.6
 98 62.2 0.0 130.8

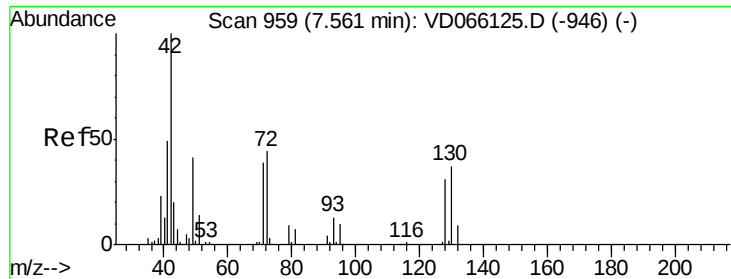


#28

Bromochloromethane
 Concen: 21.284 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion: 49 Resp: 40006
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 6.0
 130 91.3 73.8 110.6

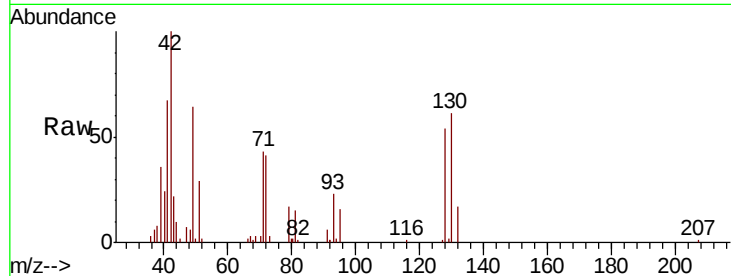




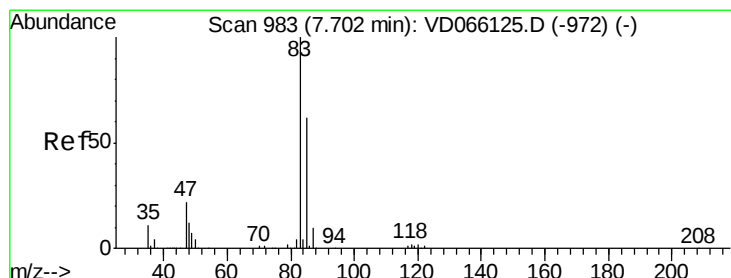
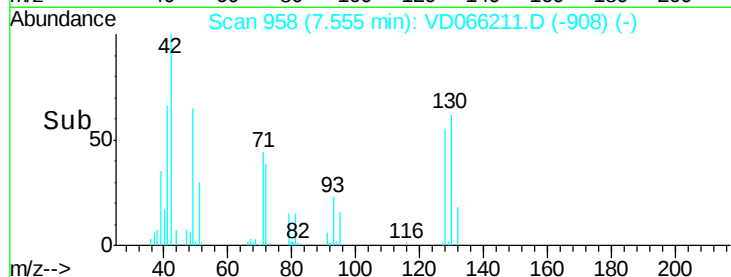
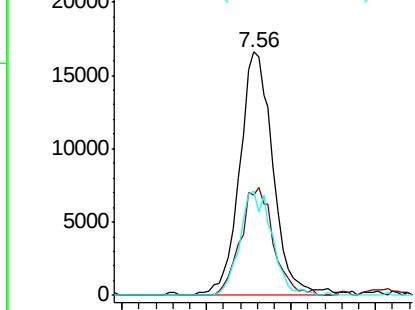
#29
Tetrahydrofuran
Concen: 90.741 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion: 42 Resp: 45622
Ion Ratio Lower Upper
42 100
72 43.7 34.8 52.2
71 41.3 33.5 50.3

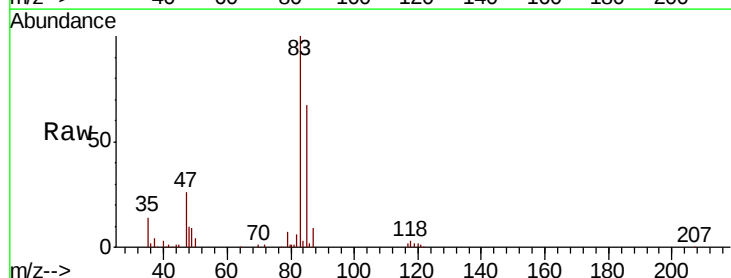


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

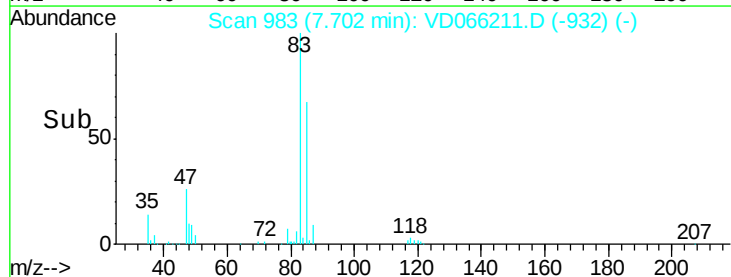
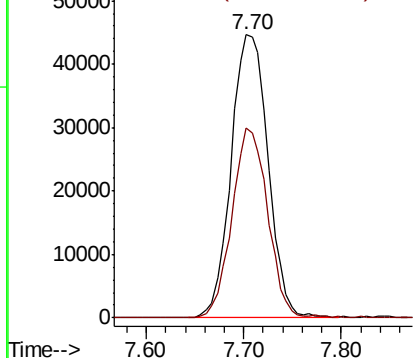


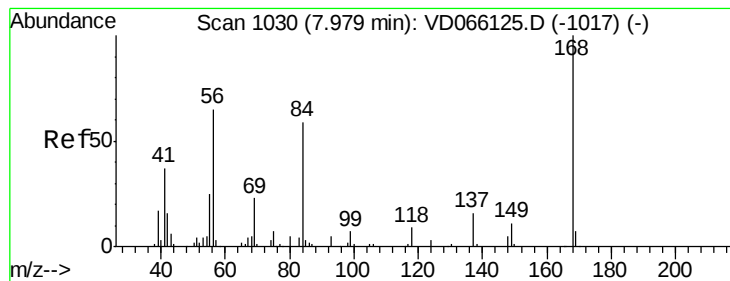
#30
Chloroform
Concen: 20.809 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion: 83 Resp: 116934
Ion Ratio Lower Upper
83 100
85 67.1 49.5 74.3



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





#31

Cyclohexane

Concen: 18.208 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

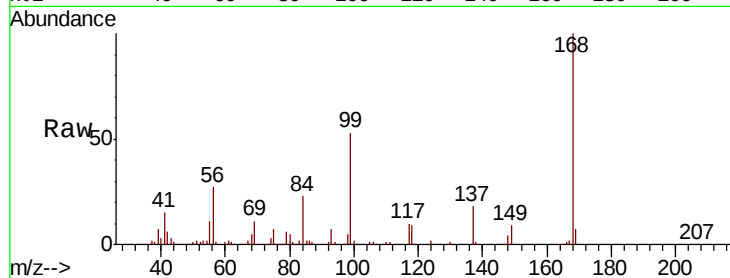
Tot Ion: 56 Resp: 92756

Ion Ratio Lower Upper

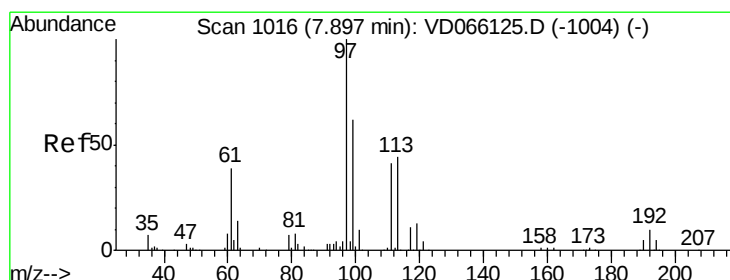
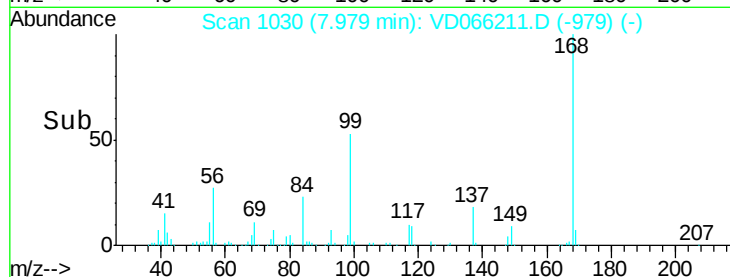
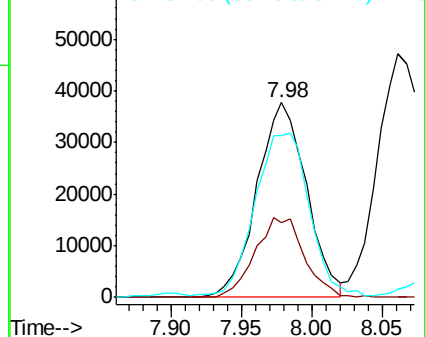
56 100

69 38.7 28.8 43.2

84 82.6 73.0 109.6



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



#32

1,1,1-Trichloroethane

Concen: 19.088 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

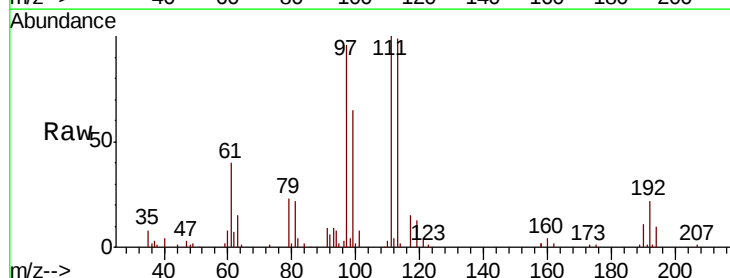
Tgt Ion: 97 Resp: 100572

Ion Ratio Lower Upper

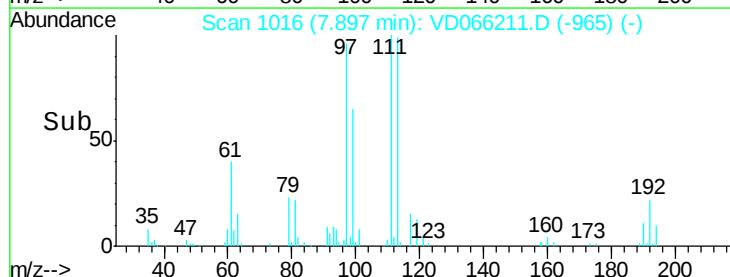
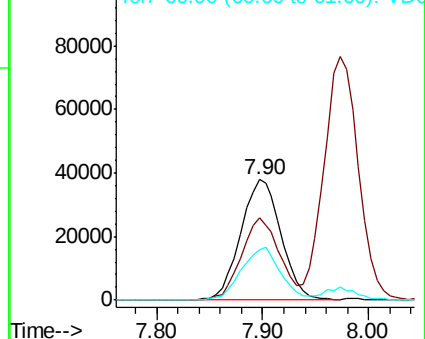
97 100

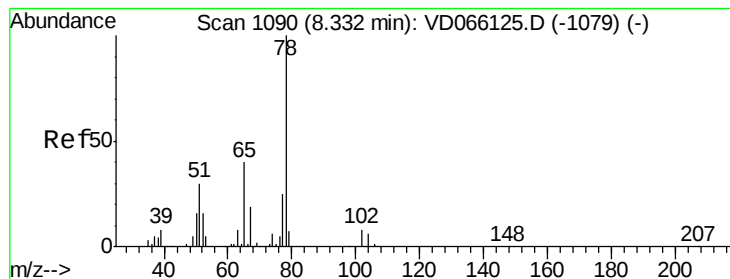
99 64.2 51.1 76.7

61 42.5 32.7 49.1



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





#33

1,2-Dichloroethane-d4

Concen: 48.575 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

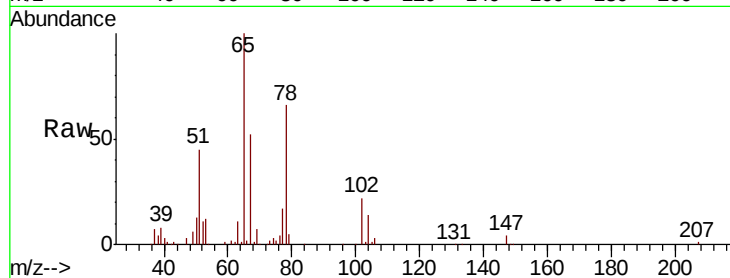
VD0813SBS01

Tot Ion: 65 Resp: 141246

Ion Ratio Lower Upper

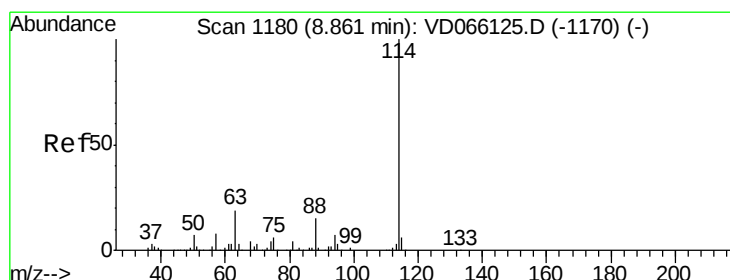
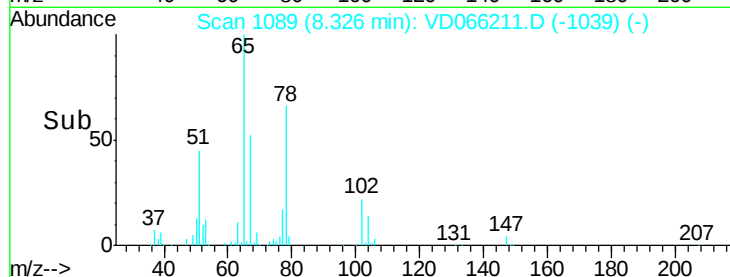
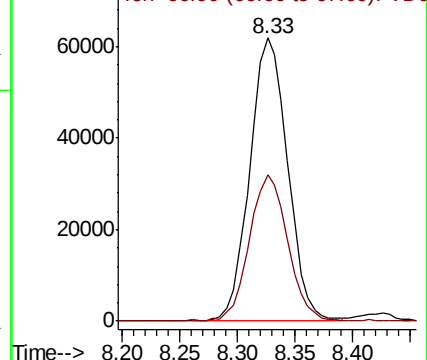
65 100

67 52.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

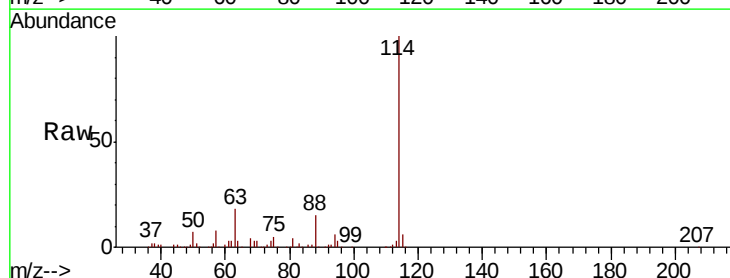
Tgt Ion: 114 Resp: 466377

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.6

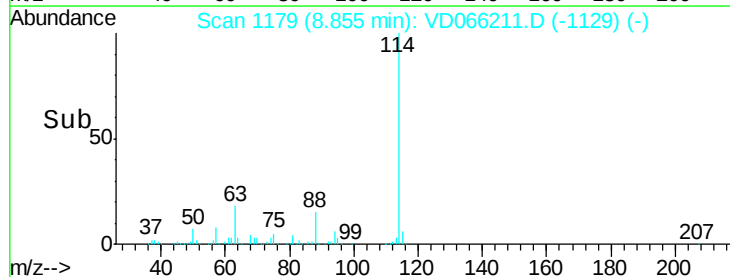
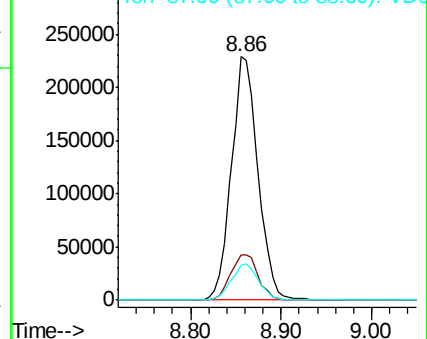
88 14.6 0.0 30.0

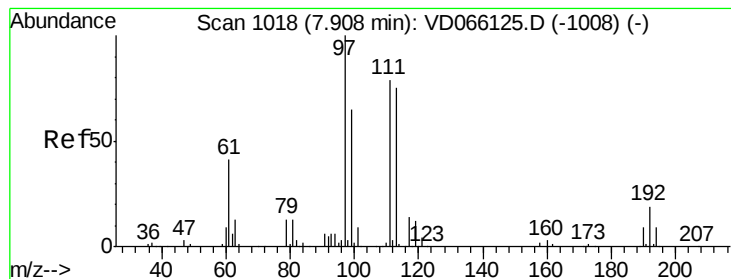


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.899 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

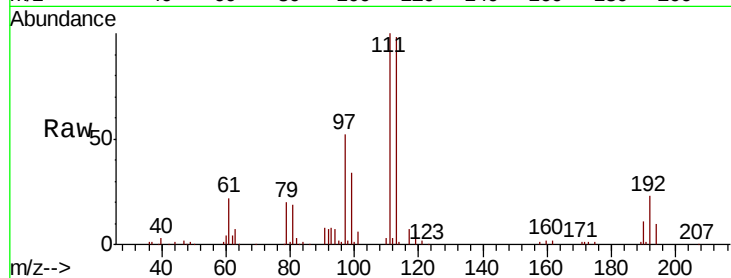
Tot Ion:113 Resp: 147424

Ion Ratio Lower Upper

113 100

111 100.3 80.7 121.1

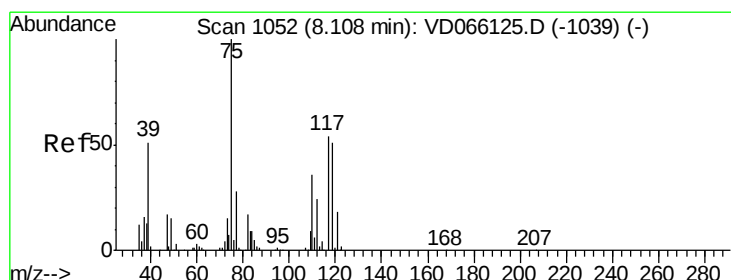
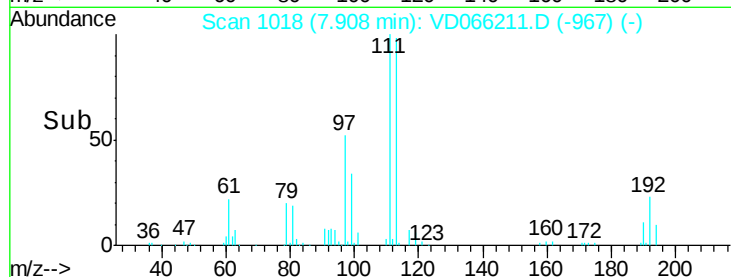
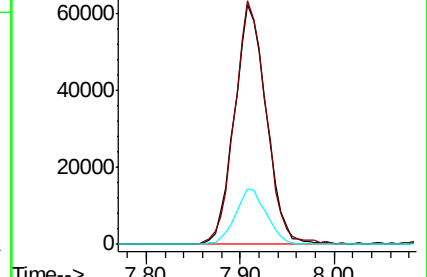
192 22.6 18.4 27.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.524 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

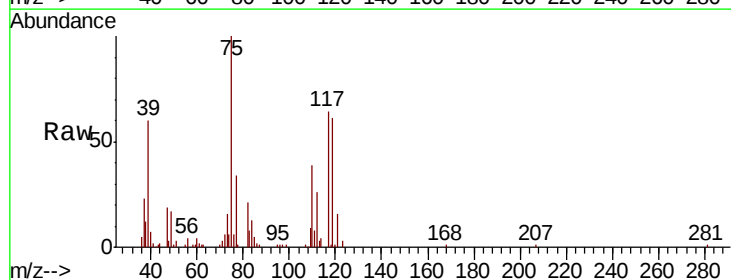
Tgt Ion: 75 Resp: 81181

Ion Ratio Lower Upper

75 100

110 38.2 18.8 56.3

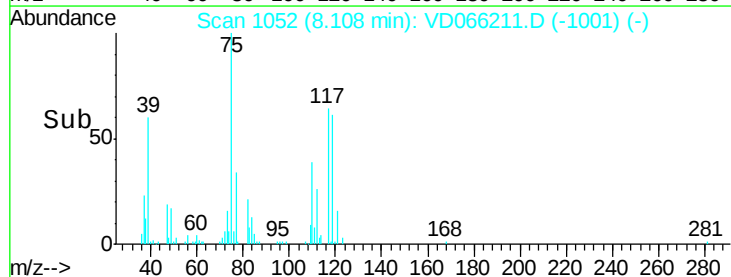
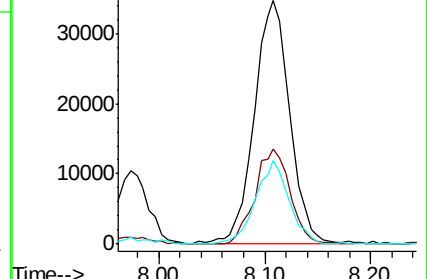
77 32.1 24.2 36.2

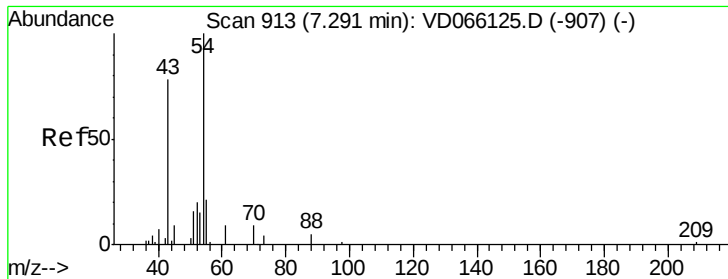


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

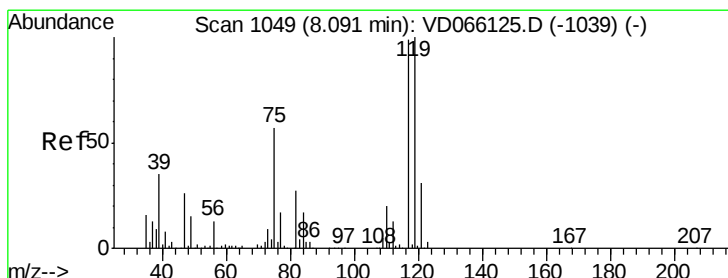
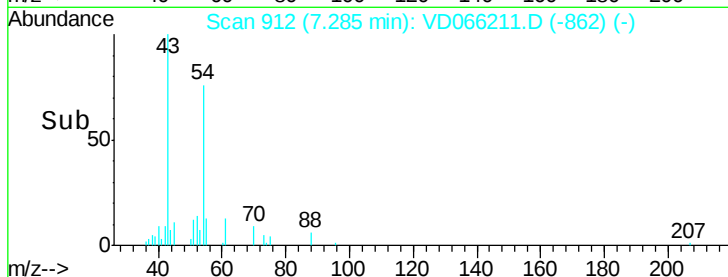
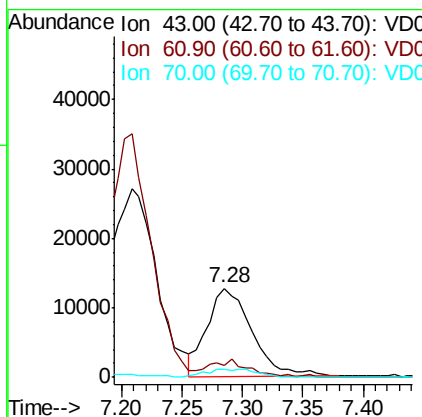
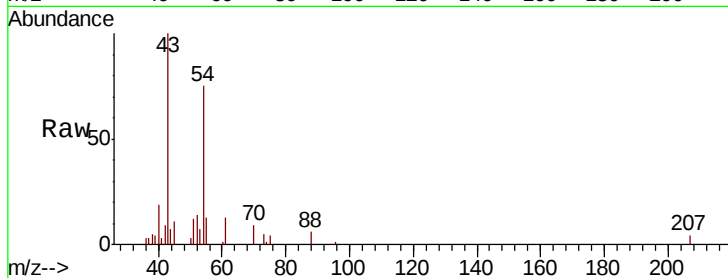




#37
Ethyl Acetate
Concen: 18.717 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

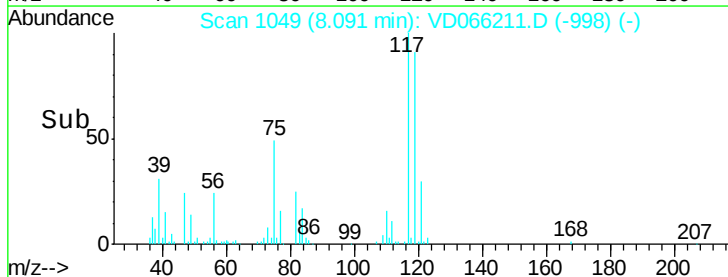
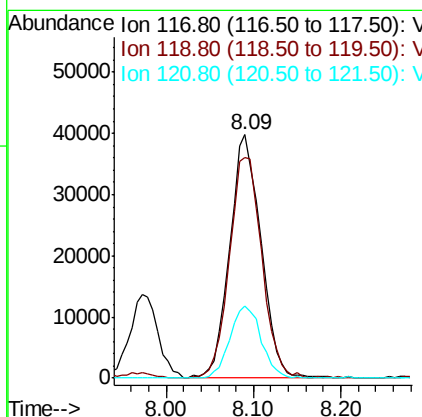
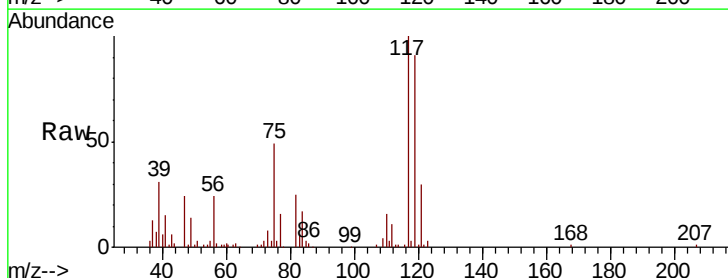
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

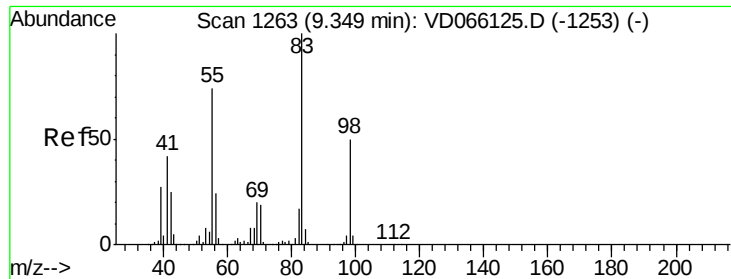
Tot Ion: 43 Resp: 32500
Ion Ratio Lower Upper
43 100
61 17.4 12.0 18.0
70 11.0 9.7 14.5



#38
Carbon Tetrachloride
Concen: 19.777 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion: 117 Resp: 96655
Ion Ratio Lower Upper
117 100
119 90.5 81.0 121.4
121 29.7 24.8 37.2

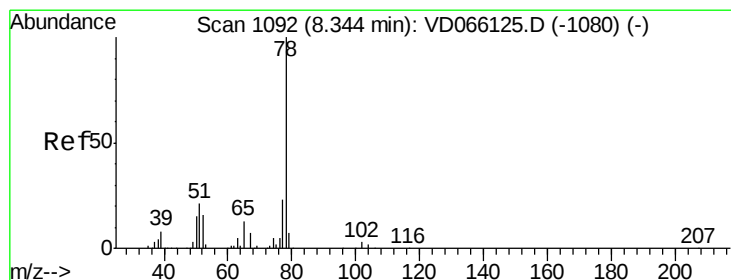
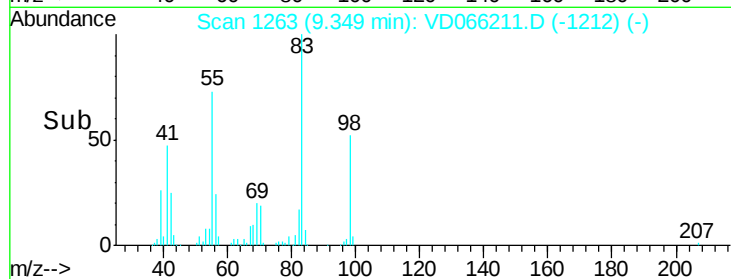
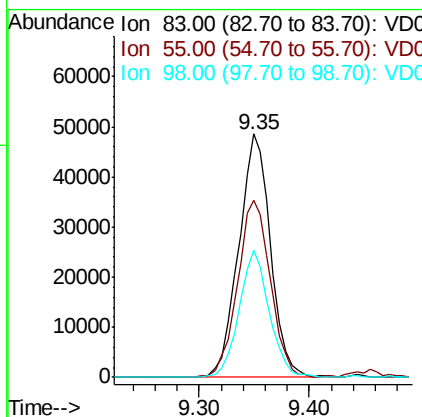
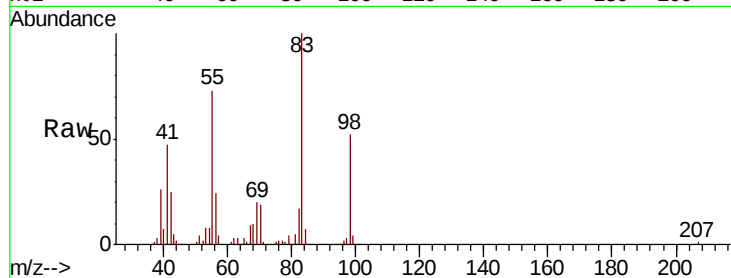




#39
Methvlcvclohexane
Concen: 18.561 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

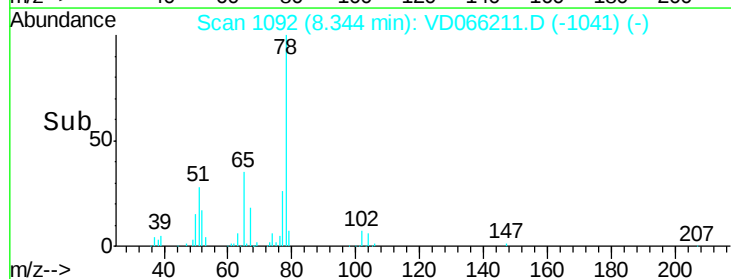
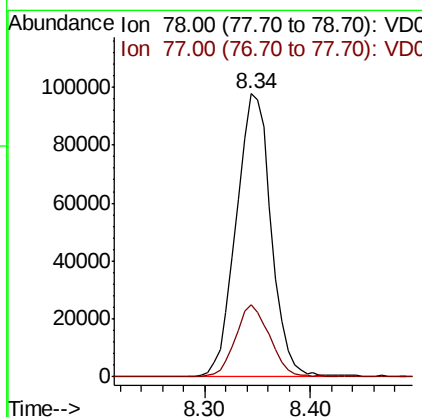
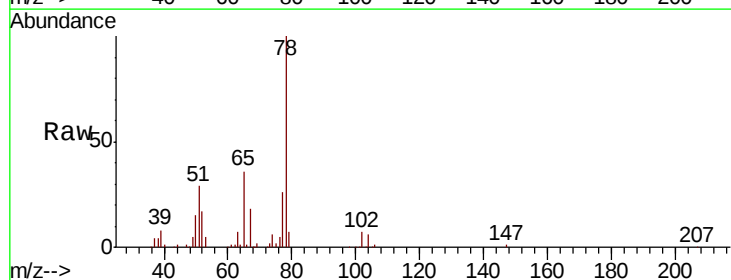
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

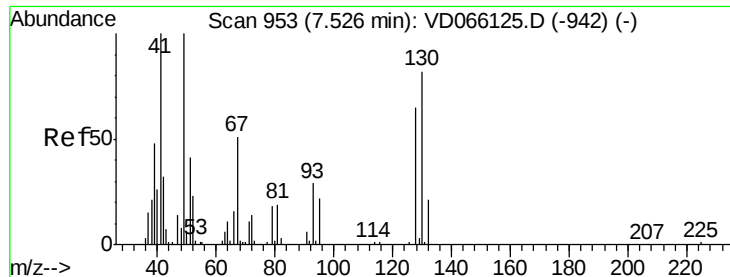
Tot Ion: 83 Resp: 98331
Ion Ratio Lower Upper
83 100
55 72.9 59.2 88.8
98 52.2 39.8 59.6



#40
Benzene
Concen: 18.454 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion: 78 Resp: 224359
Ion Ratio Lower Upper
78 100
77 25.7 18.6 27.8

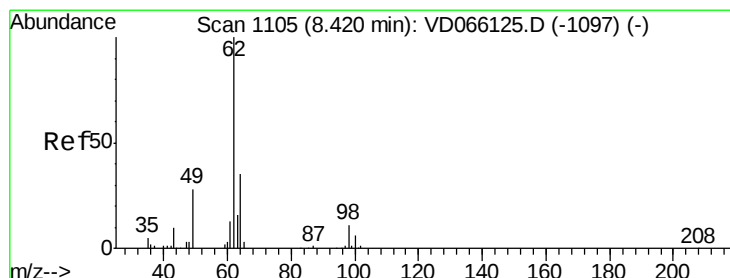
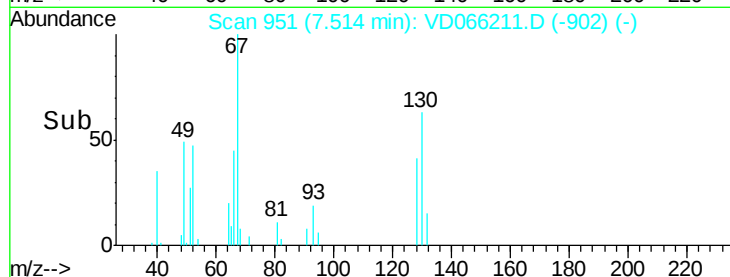
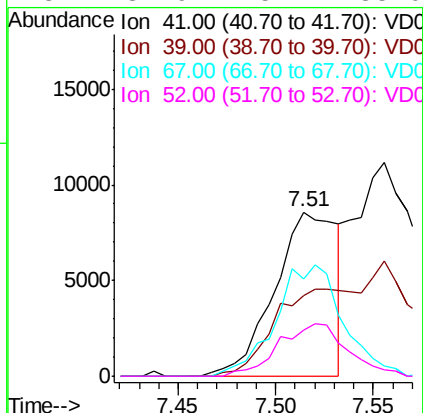
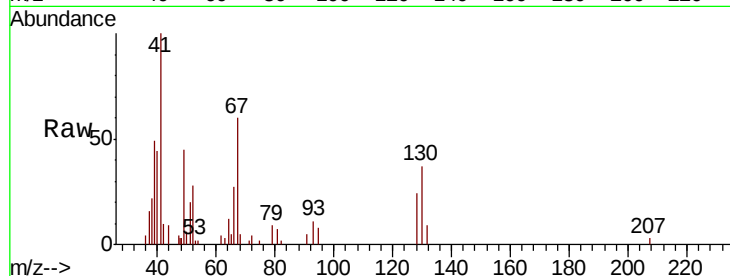




#41
Methacrylonitrile
Concen: 18.745 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

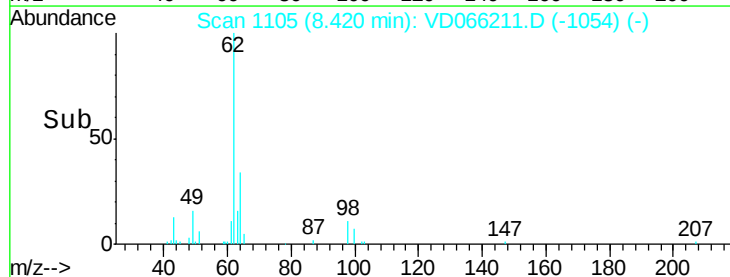
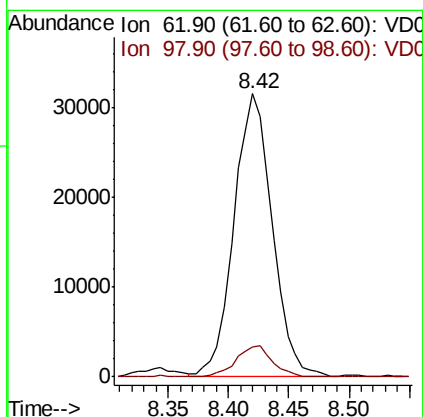
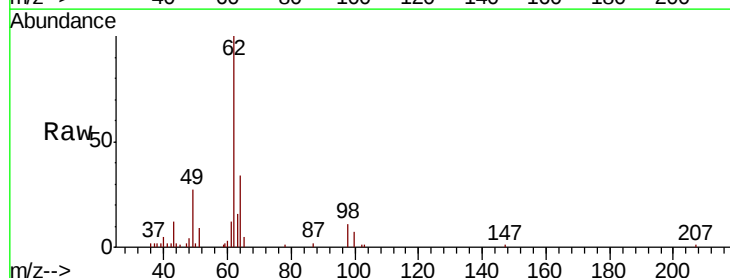
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion:	41	Resp:	19138
Ion	Ratio	Lower	Upper
41	100		
39	63.7	47.5	71.3
67	72.8	59.1	88.7
52	34.9	25.4	38.0



#42
1,2-Dichloroethane
Concen: 19.613 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion:	62	Resp:	70048
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.4





#43

Isopropyl Acetate

Concen: 18.847 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

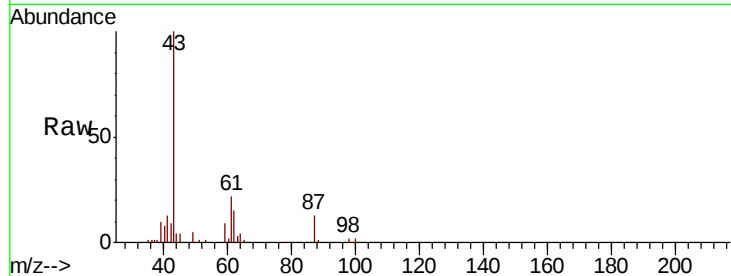
Tot Ion: 43 Resp: 64479

Ion Ratio Lower Upper

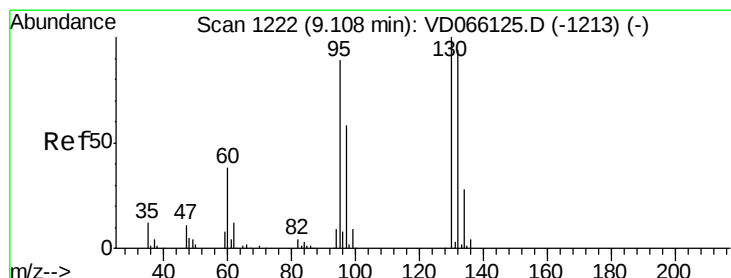
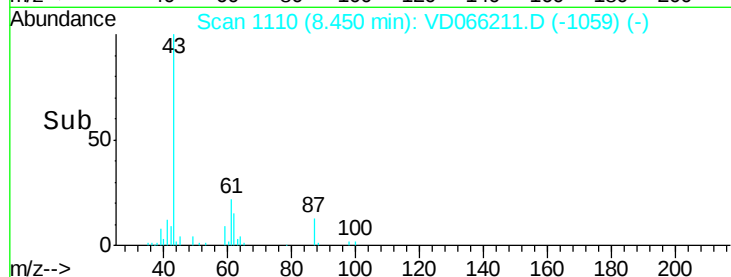
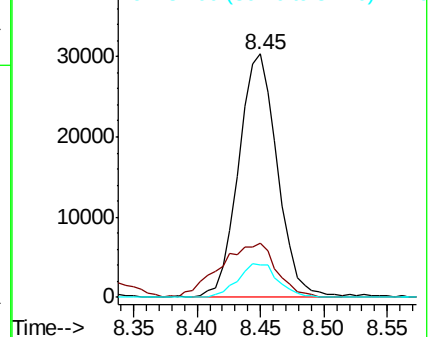
43 100

61 32.1 25.5 38.3

87 14.3 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.060 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066211.D

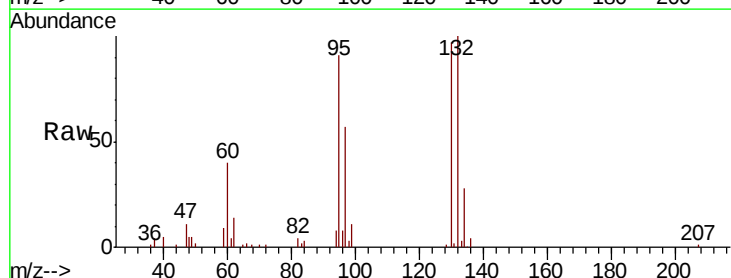
Acq: 13 Aug 2020 15:39

Tgt Ion: 130 Resp: 69826

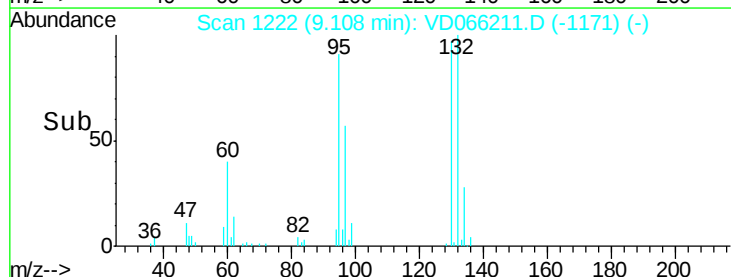
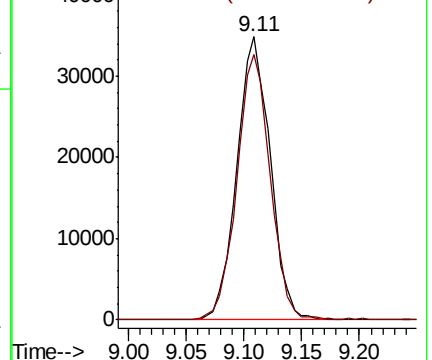
Ion Ratio Lower Upper

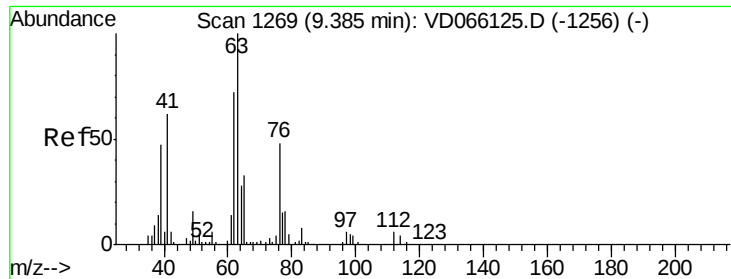
130 100

95 93.7 0.0 178.4



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

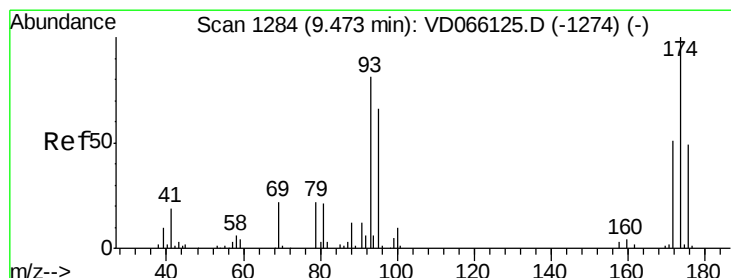
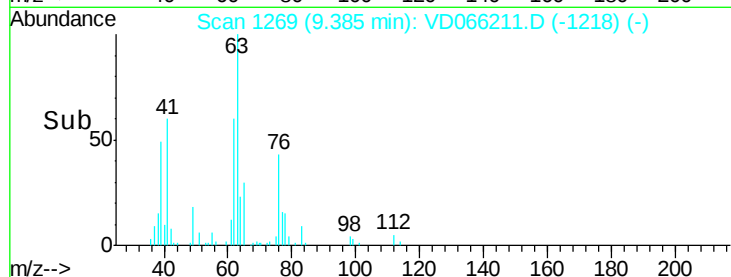
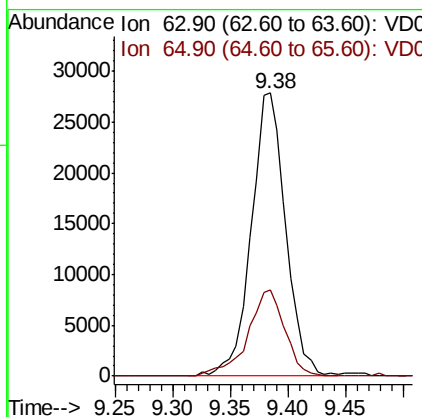
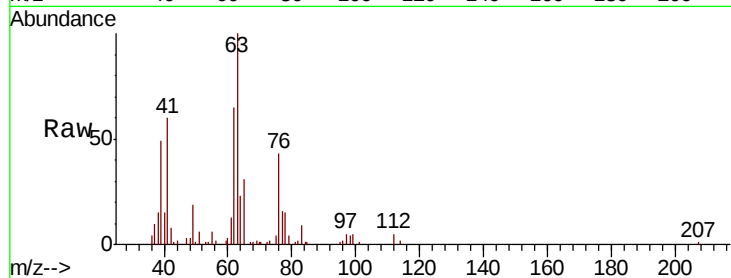




#45
 1,2-Dichloropropane
 Concen: 19.441 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

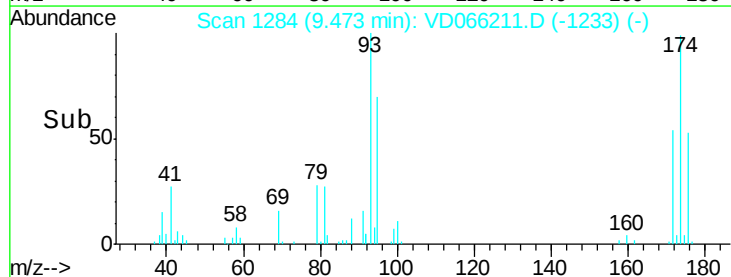
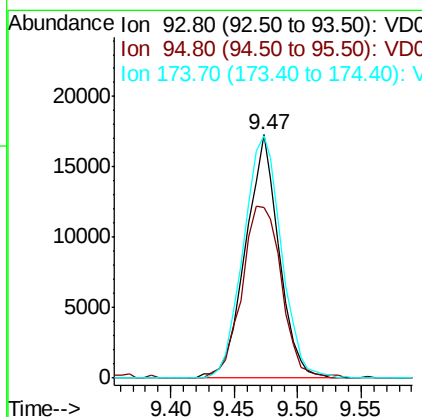
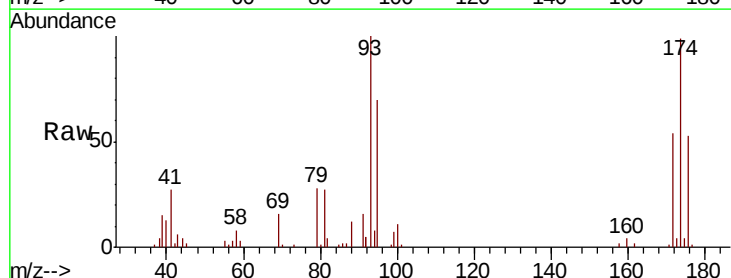
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

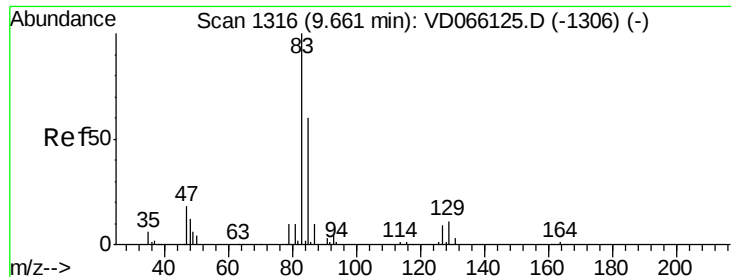
Tot Ion: 63 Resp: 57805
 Ion Ratio Lower Upper
 63 100
 65 30.7 26.5 39.7



#46
 Dibromomethane
 Concen: 19.323 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion: 93 Resp: 31648
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.8 98.6
 174 113.3 92.8 139.2





#47

Bromodichloromethane

Concen: 19.107 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

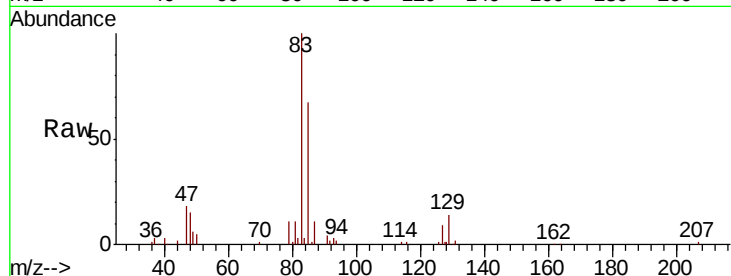
Tot Ion: 83 Resp: 82710

Ion Ratio Lower Upper

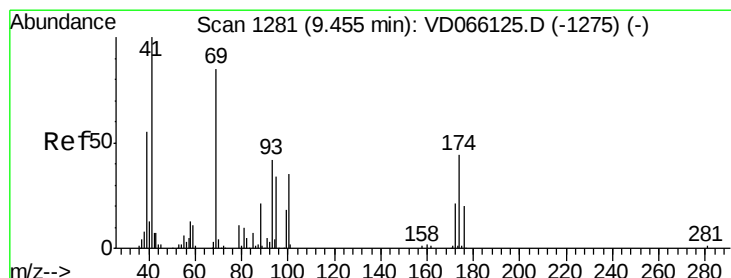
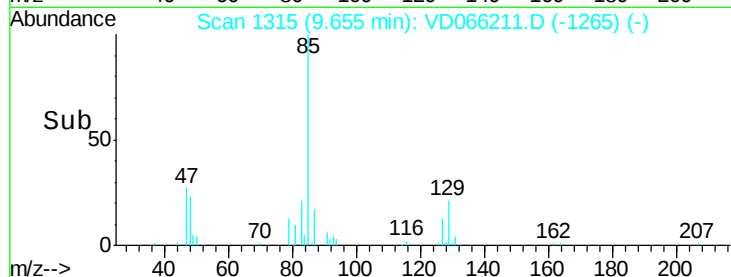
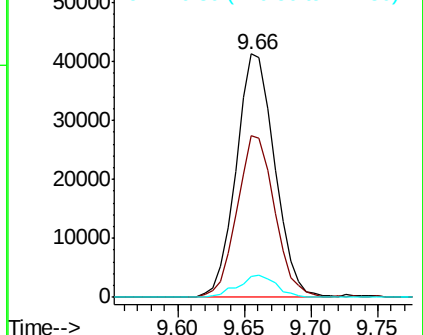
83 100

85 66.5 48.2 72.4

127 8.6 7.3 10.9



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: 17.149 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

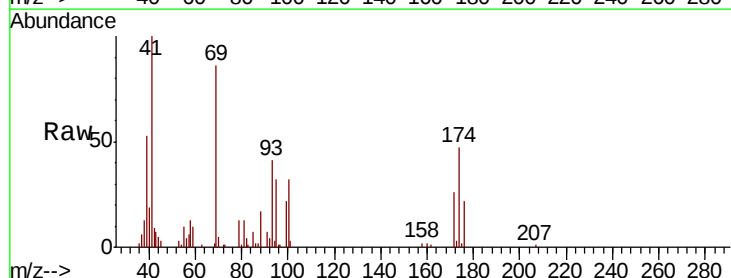
Tgt Ion: 41 Resp: 29959

Ion Ratio Lower Upper

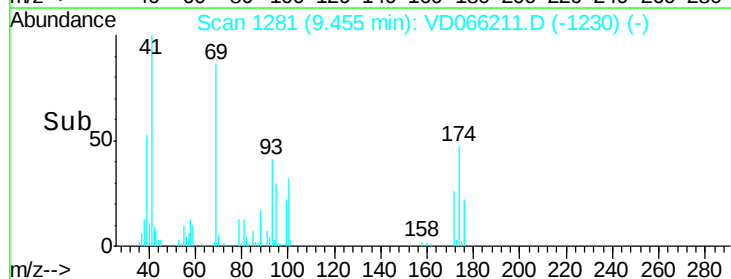
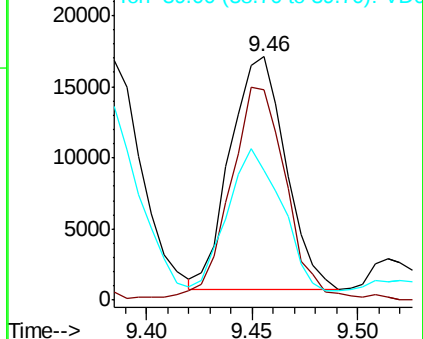
41 100

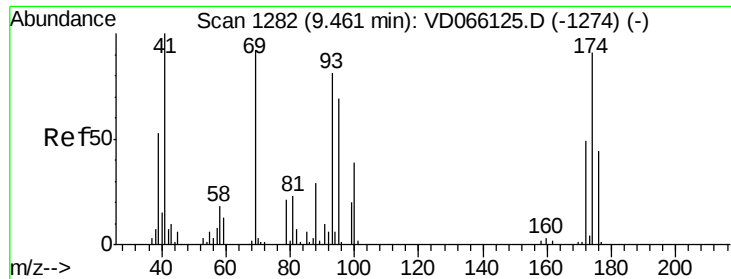
69 93.1 63.9 95.9

39 60.2 42.6 64.0



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: 344.027 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

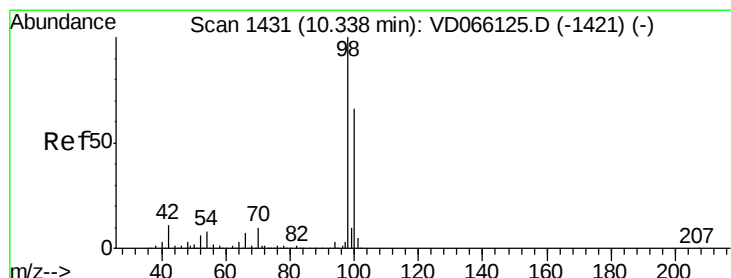
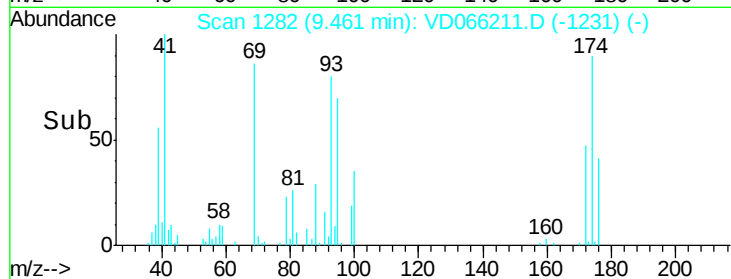
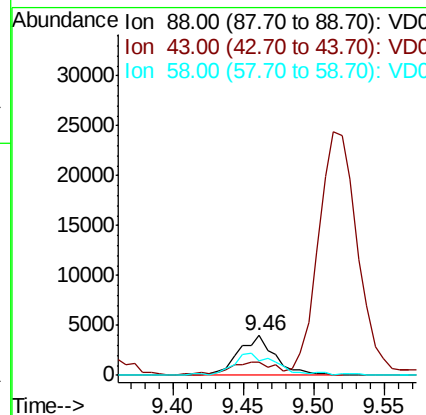
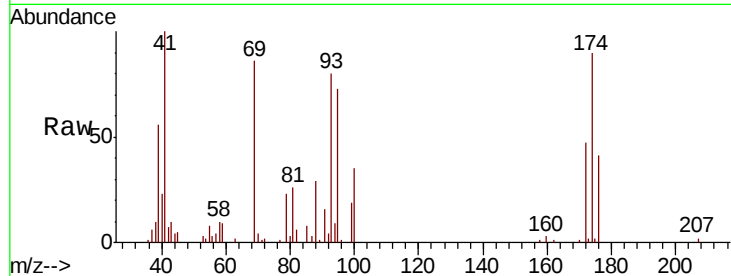
Tot Ion: 88 Resp: 7239

Ion Ratio Lower Upper

88 100

43 42.9 27.5 41.3#

58 64.7 50.2 75.4



#50

Toluene-d8

Concen: 49.262 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066211.D

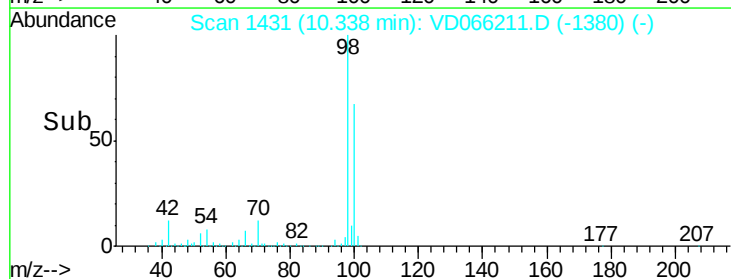
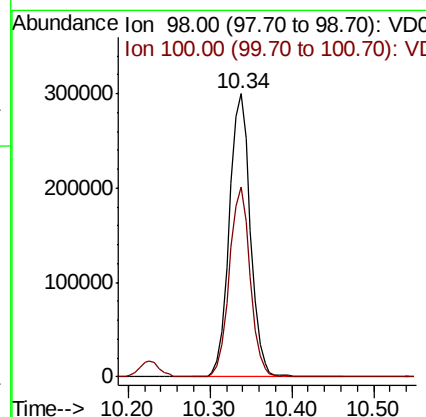
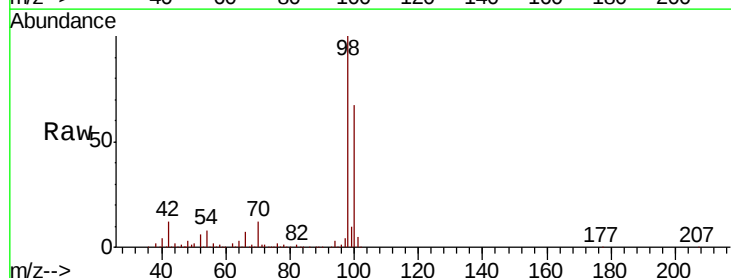
Acq: 13 Aug 2020 15:39

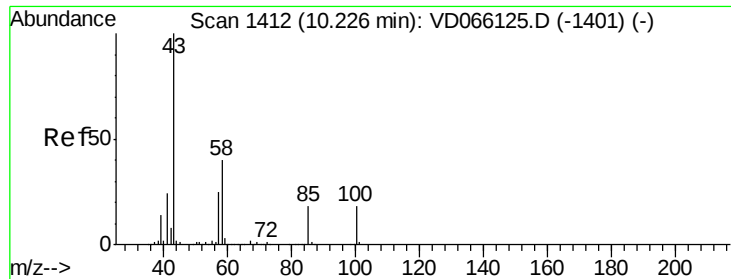
Tgt Ion: 98 Resp: 537085

Ion Ratio Lower Upper

98 100

100 66.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 93.329 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

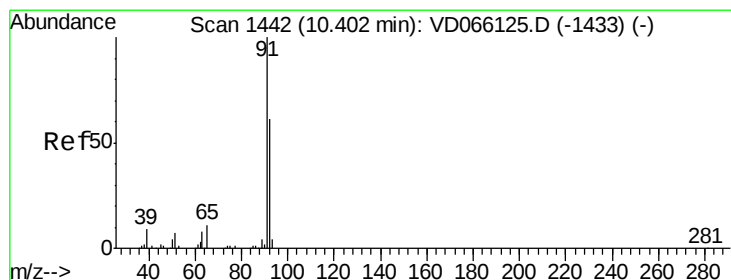
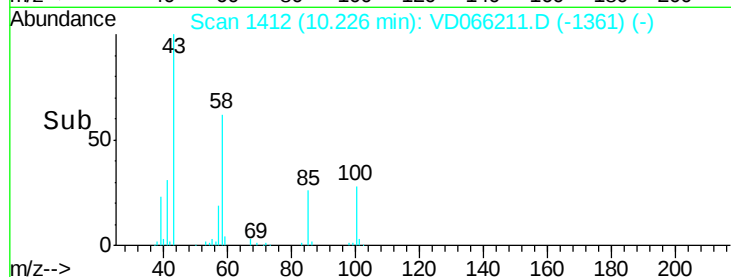
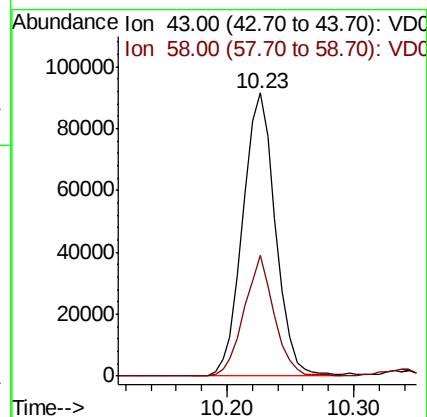
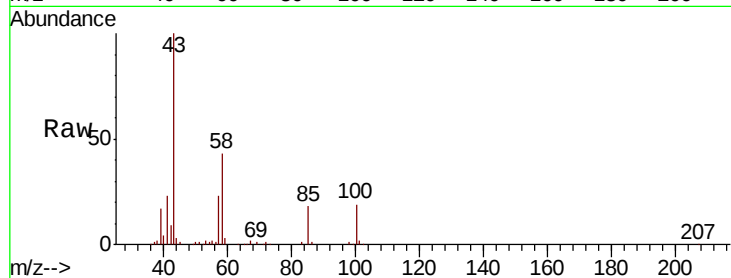
VD0813SBS01

Tot Ion: 43 Resp: 164012

Ion Ratio Lower Upper

43 100

58 39.1 31.1 46.7



#52

Toluene

Concen: 19.425 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066211.D

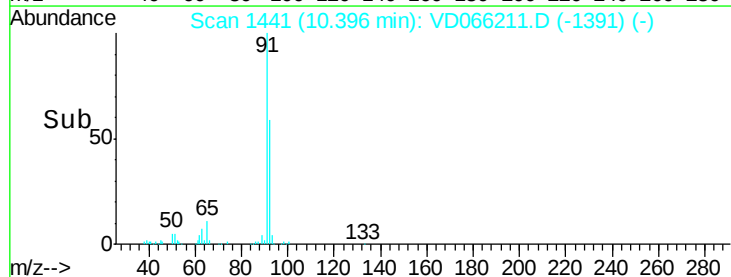
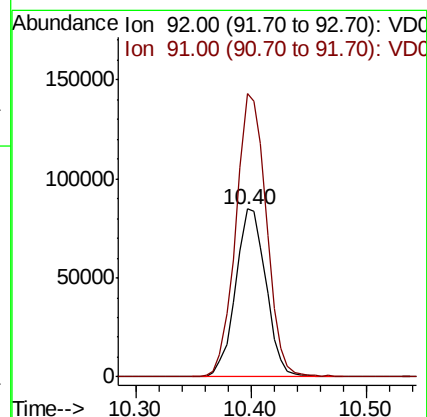
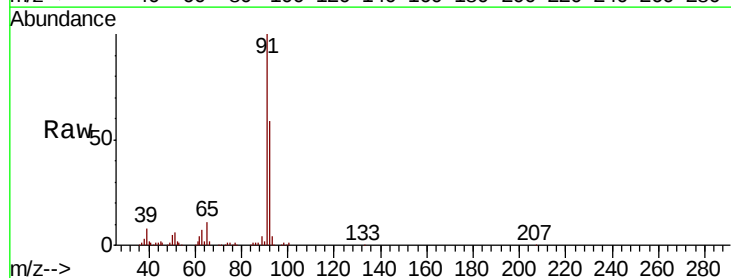
Acq: 13 Aug 2020 15:39

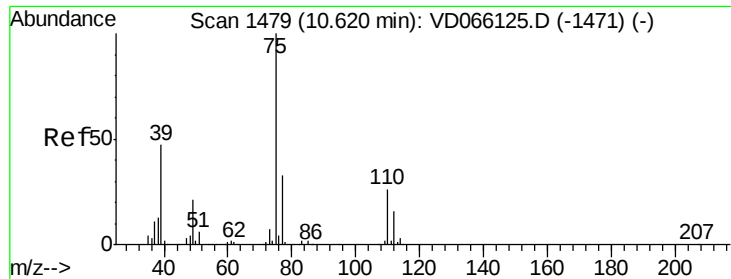
Tgt Ion: 92 Resp: 155400

Ion Ratio Lower Upper

92 100

91 169.4 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 18.986 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

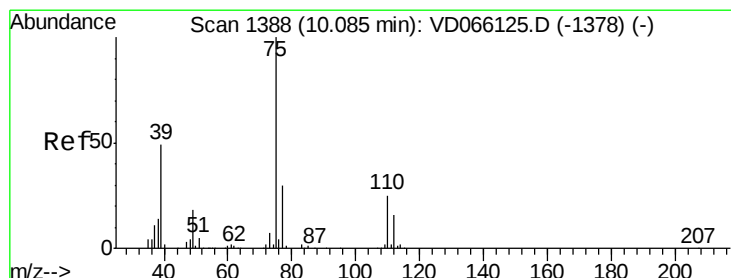
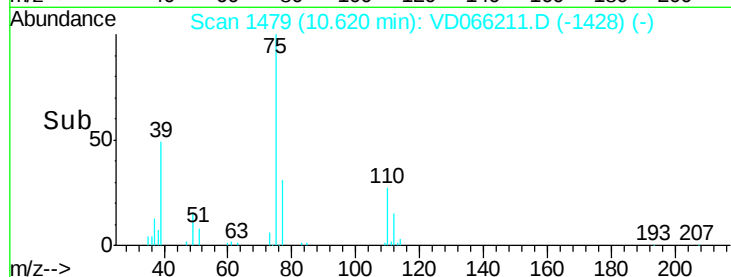
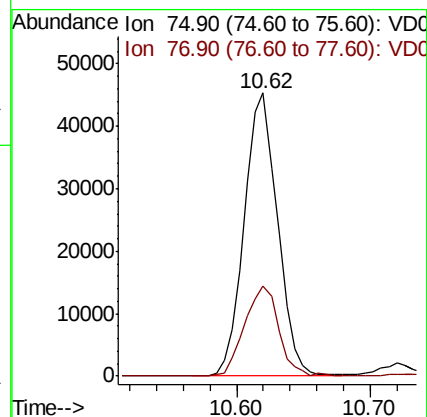
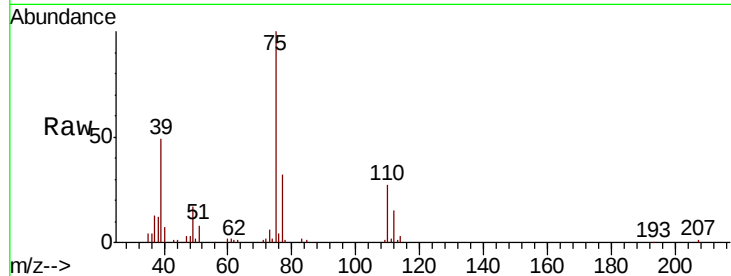
VD0813SBS01

Tot Ion: 75 Resp: 77995

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 19.740 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

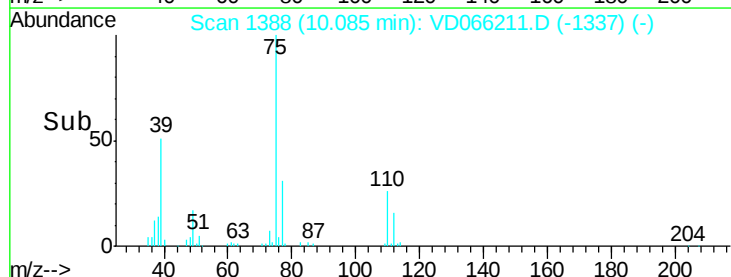
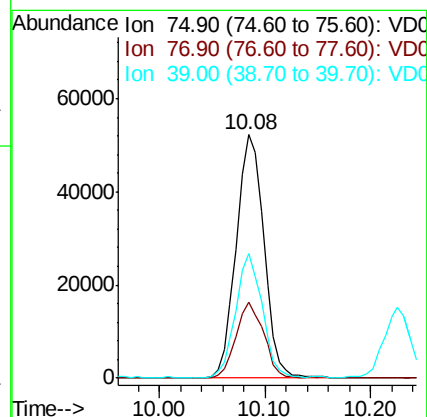
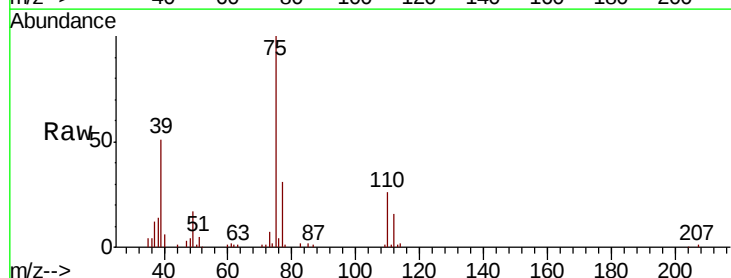
Tgt Ion: 75 Resp: 95009

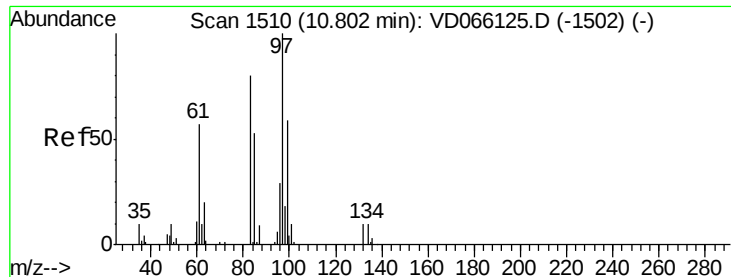
Ion Ratio Lower Upper

75 100

77 31.4 24.3 36.5

39 51.0 39.3 58.9

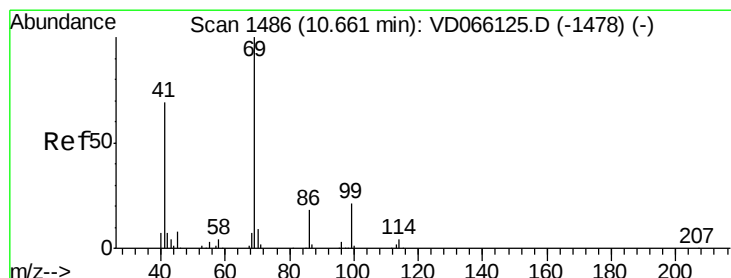
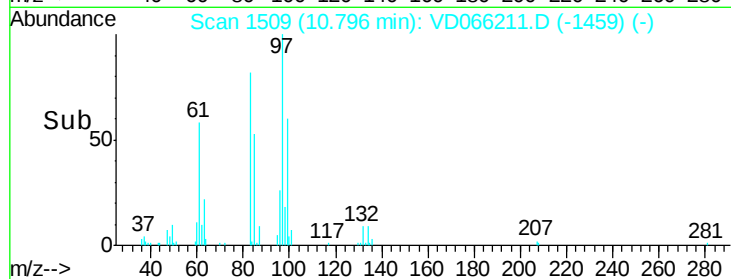
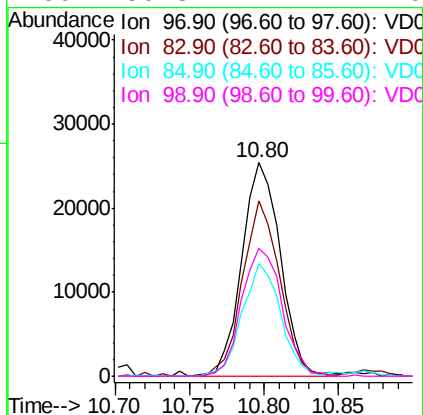
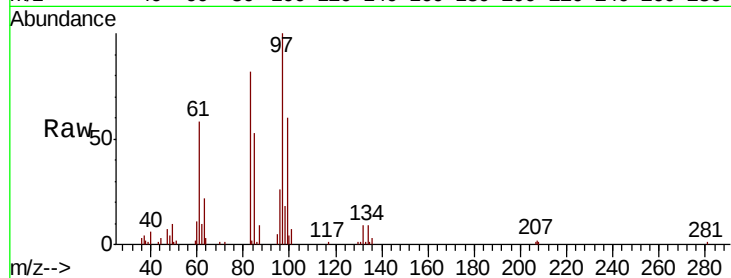




#55
 1,1,2-Trichloroethane
 Concen: 19.303 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

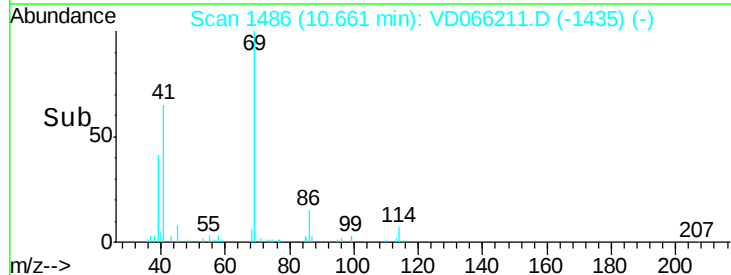
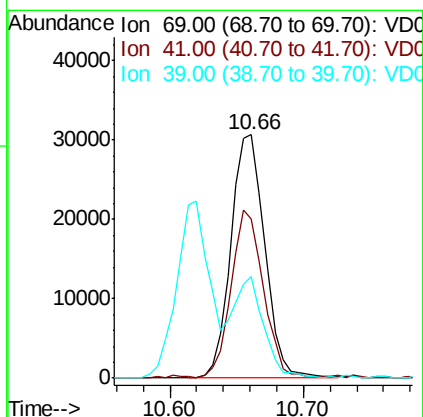
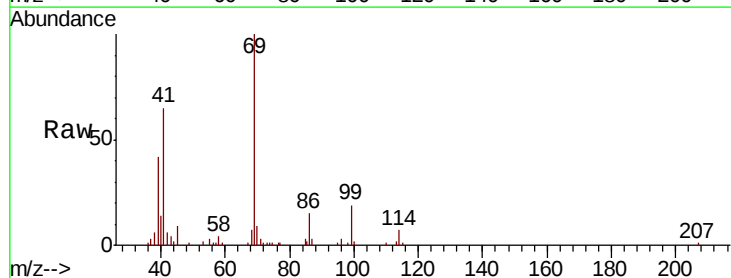
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

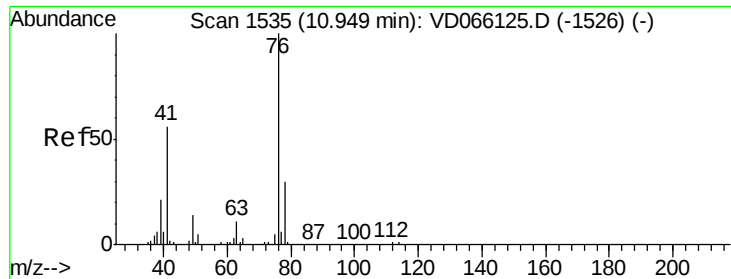
Tot Ion:	97	Resp:	45523
Ion	Ratio	Lower	Upper
97	100		
83	82.2	63.9	95.9
85	52.9	42.5	63.7
99	59.8	47.4	71.0



#56
 Ethyl methacrylate
 Concen: 19.137 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion:	69	Resp:	54217
Ion	Ratio	Lower	Upper
69	100		
41	66.2	54.1	81.1
39	34.3	28.6	43.0

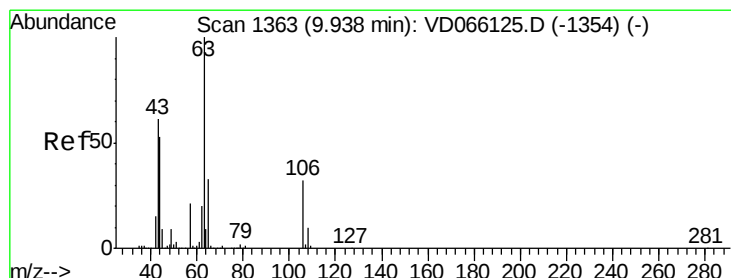
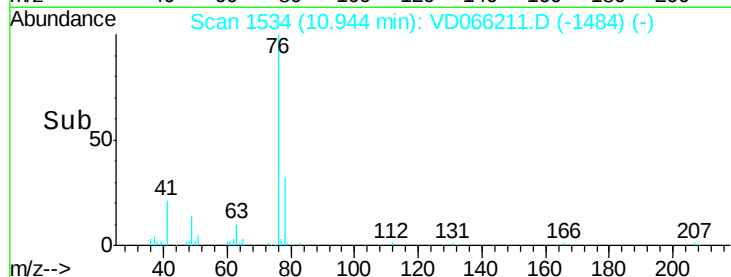
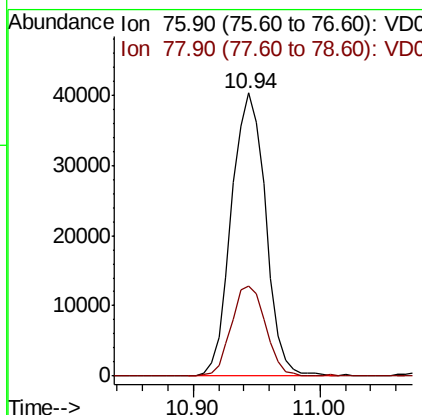
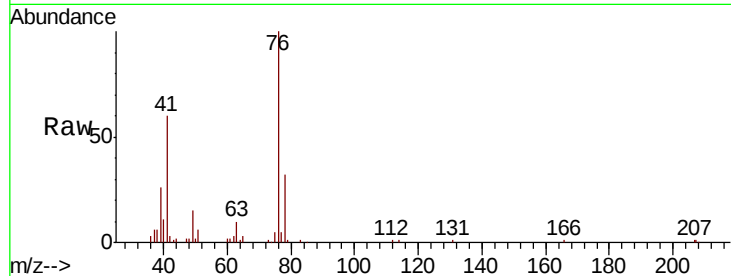




#57
 1,3-Dichloropropane
 Concen: 19.204 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

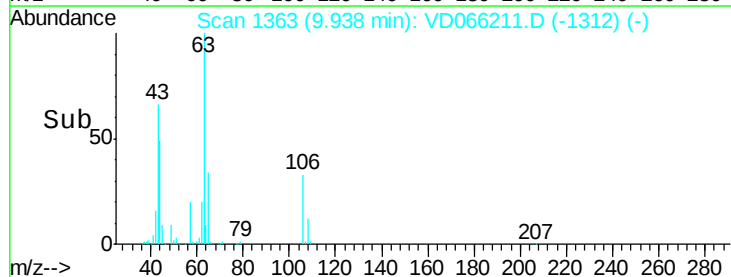
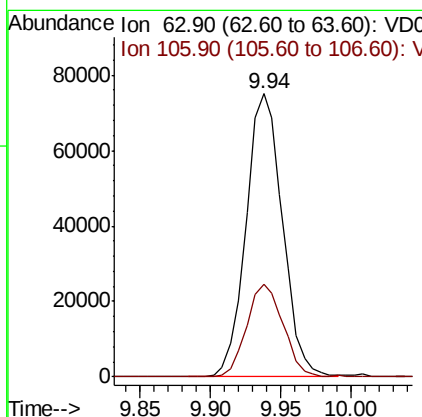
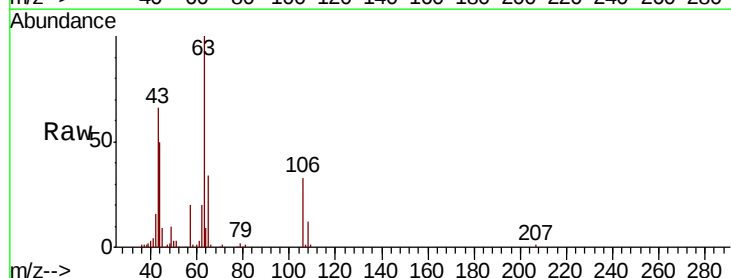
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

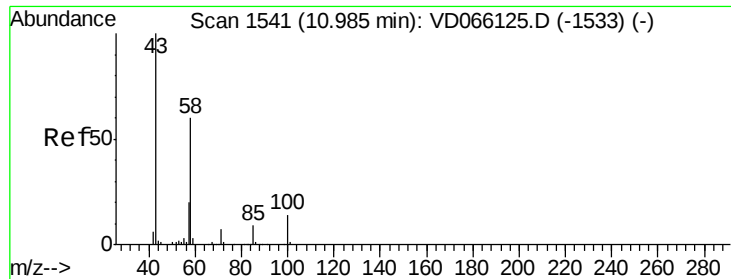
Tot Ion: 76 Resp: 75187
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.907 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion: 63 Resp: 136239
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.3 37.9

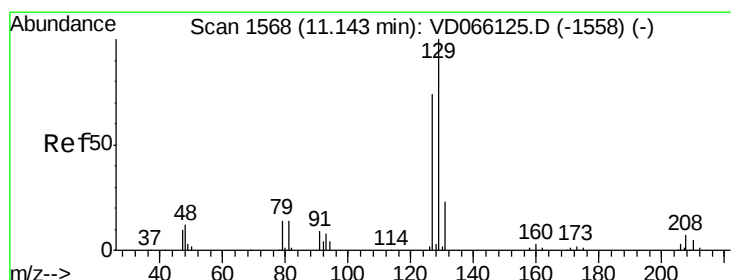
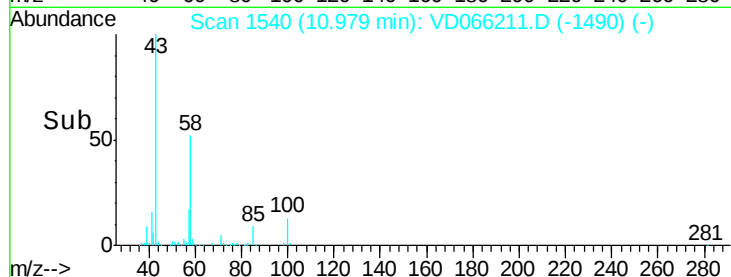
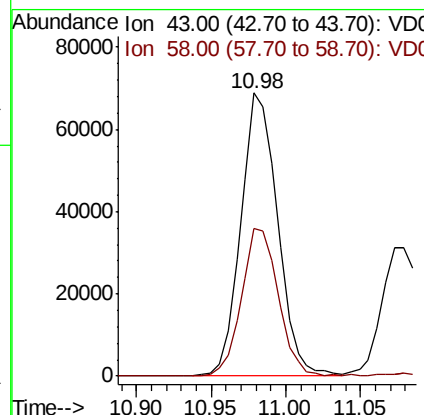
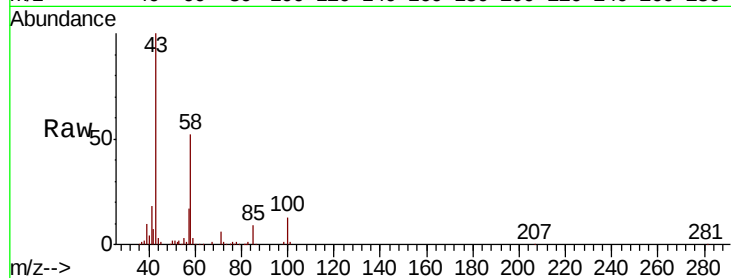




#59
2-Hexanone
Concen: 95.637 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

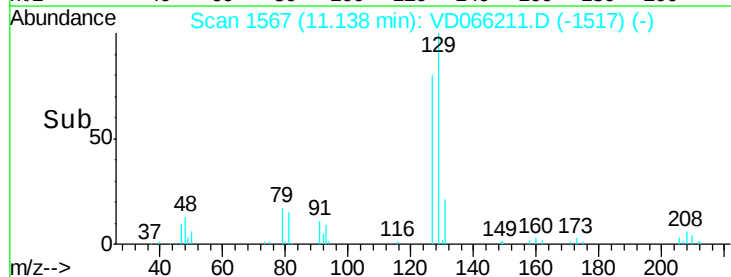
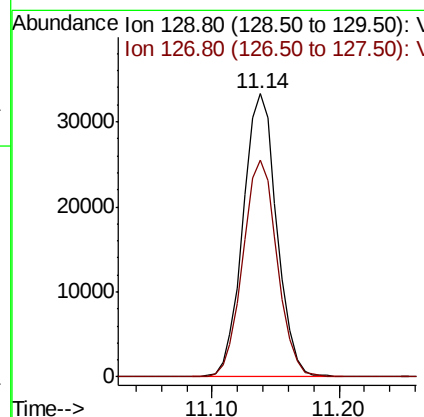
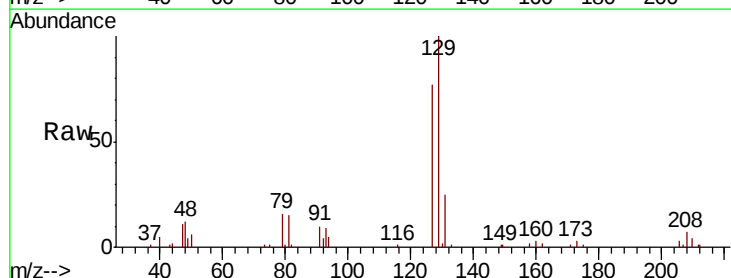
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

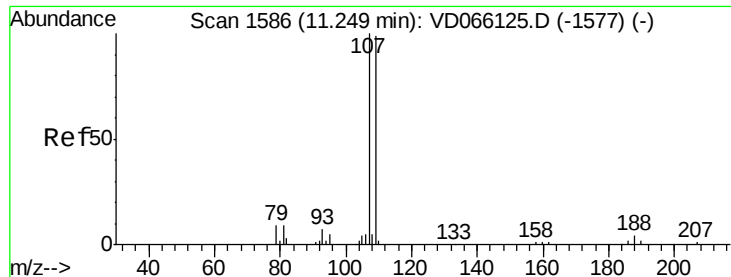
Tot Ion: 43 Resp: 117953
Ion Ratio Lower Upper
43 100
58 52.1 27.8 83.4



#60
Dibromochloromethane
Concen: 18.889 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion: 129 Resp: 61502
Ion Ratio Lower Upper
129 100
127 77.7 38.0 114.1

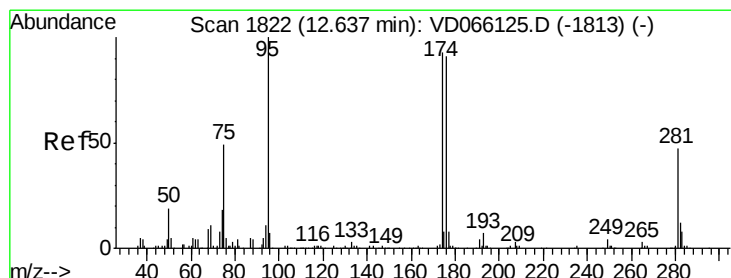
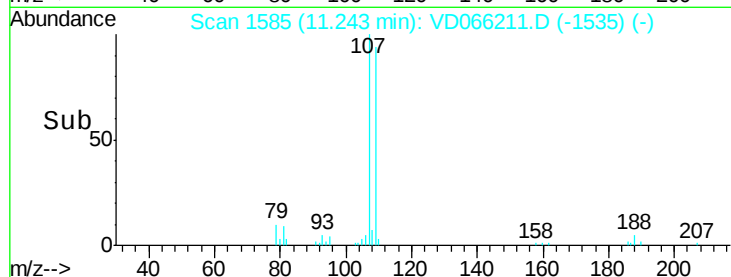
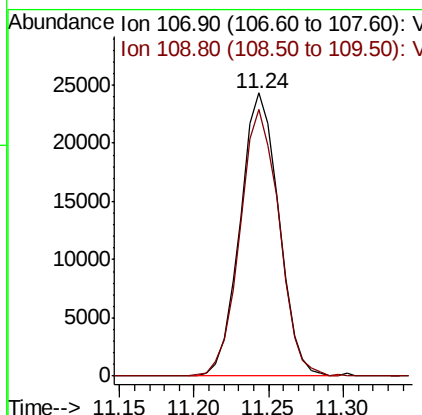
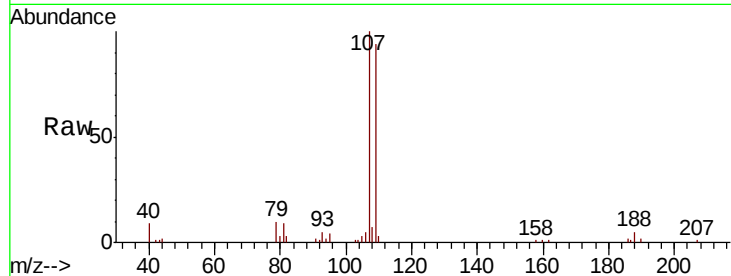




#61
 1,2-Dibromoethane
 Concen: 19.240 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

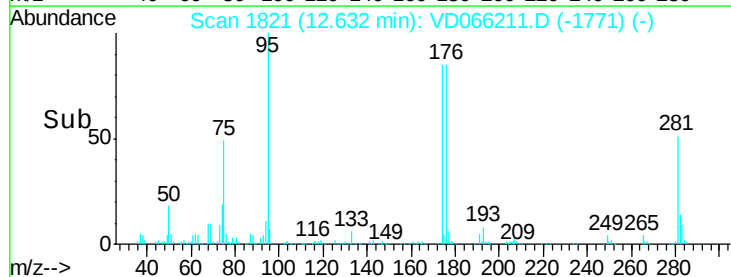
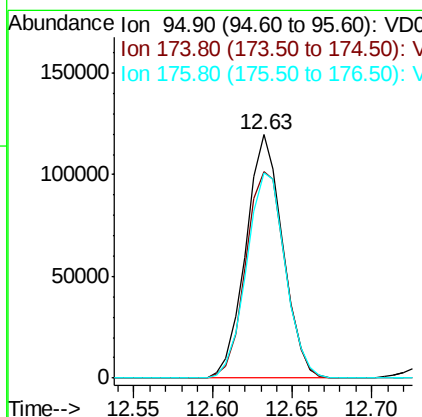
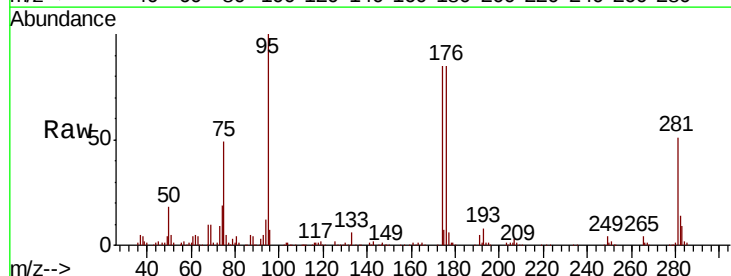
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

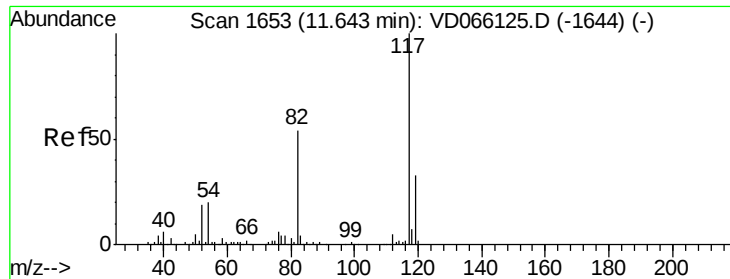
Tot Ion:107 Resp: 43637
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 49.274 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion: 95 Resp: 193644
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 180.8
 176 88.2 0.0 181.2

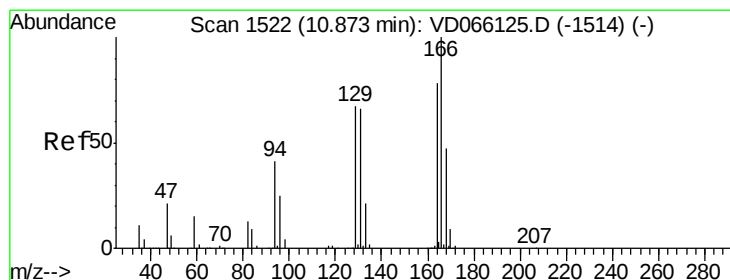
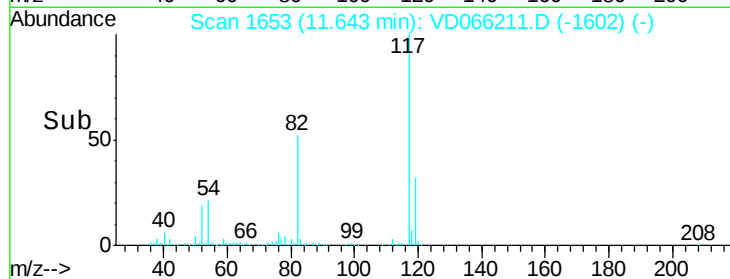
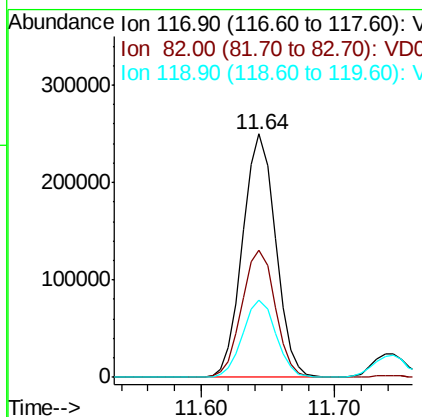
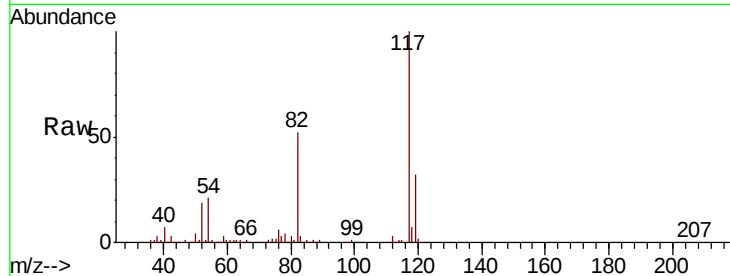




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

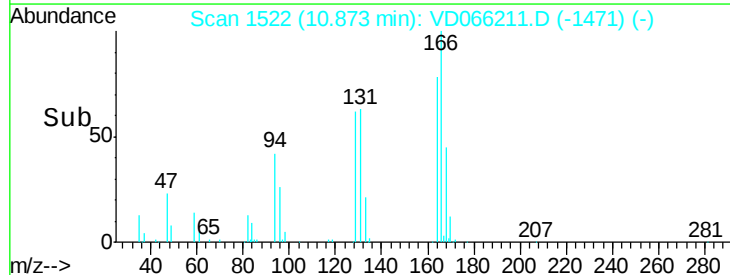
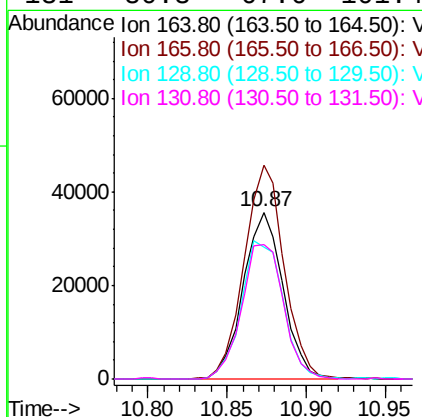
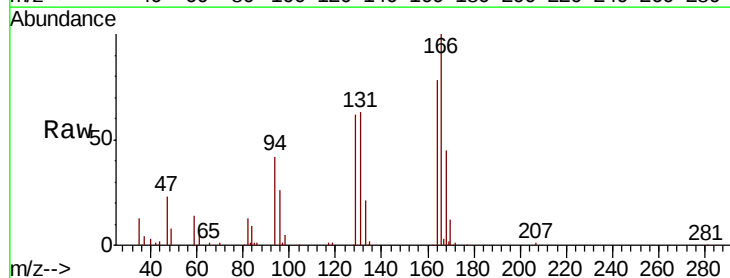
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

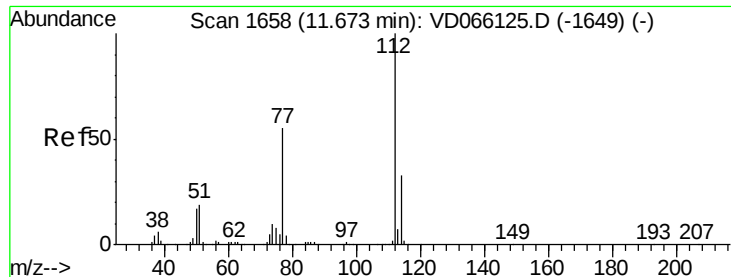
Tot Ion:117 Resp: 428738
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 31.7 26.1 39.1



#64
Tetrachloroethene
Concen: 18.936 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion:164 Resp: 62341
Ion Ratio Lower Upper
164 100
166 128.1 101.9 152.9
129 78.9 68.1 102.1
131 80.3 67.6 101.4





#65

Chlorobenzene

Concen: 19.058 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

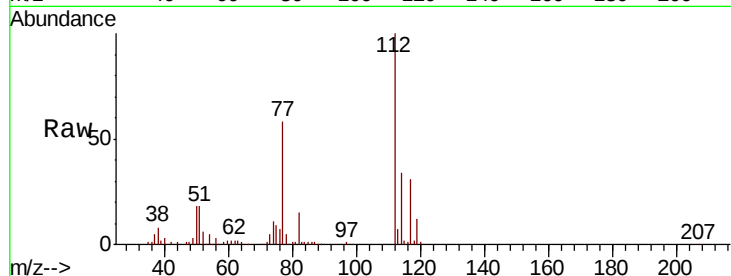
VD0813SBS01

Tot Ion:112 Resp: 165873

Ion Ratio Lower Upper

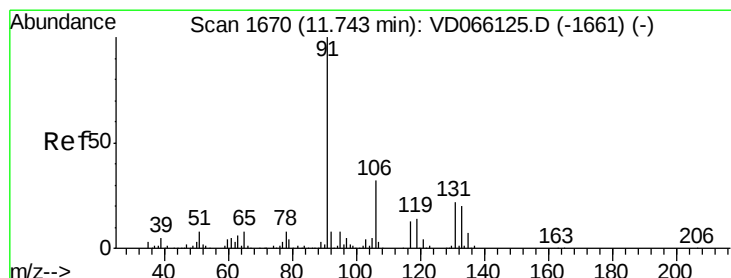
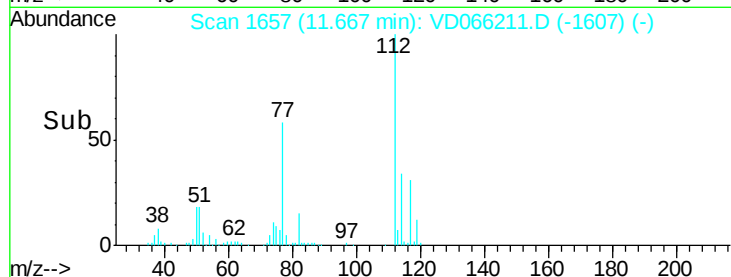
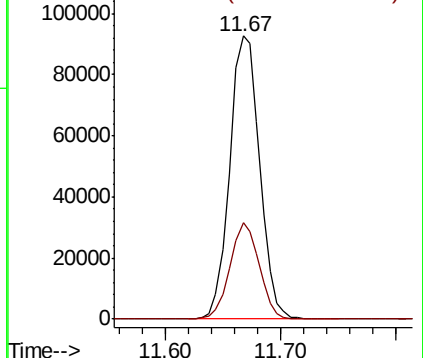
112 100

114 34.2 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.304 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

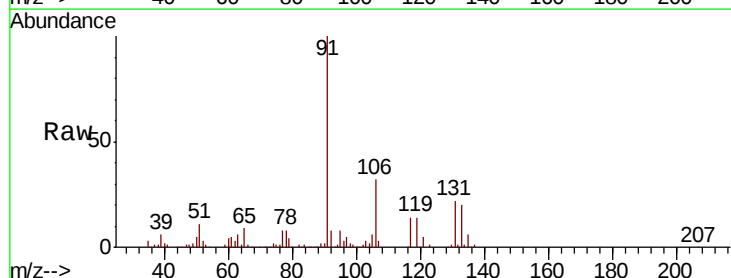
Tgt Ion:131 Resp: 65737

Ion Ratio Lower Upper

131 100

133 95.5 47.1 141.4

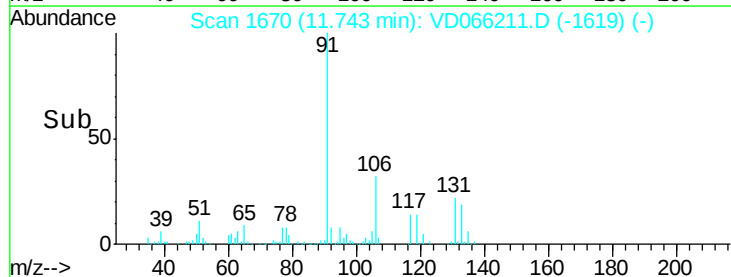
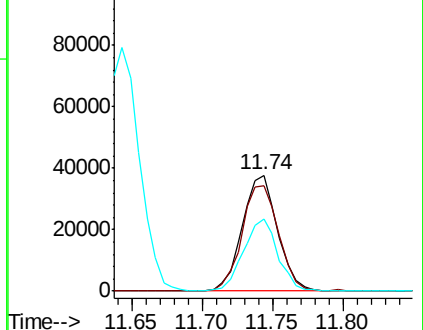
119 60.6 31.6 94.7

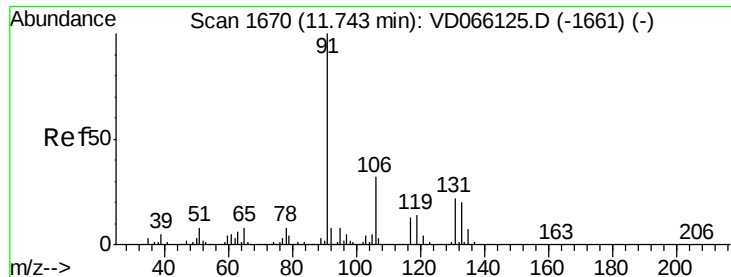


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

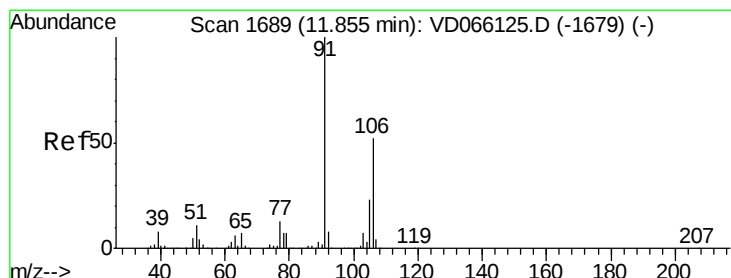
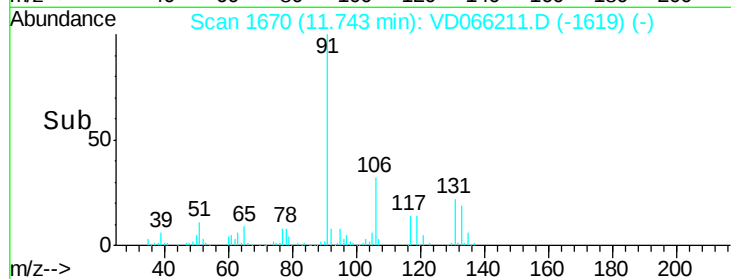
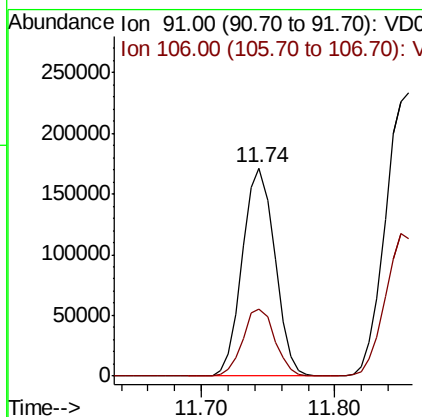
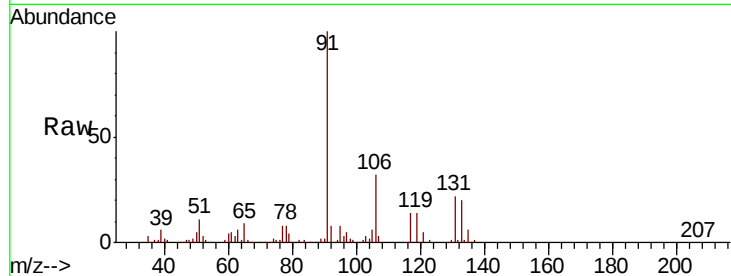




#67
Ethyl Benzene
Concen: 19.199 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

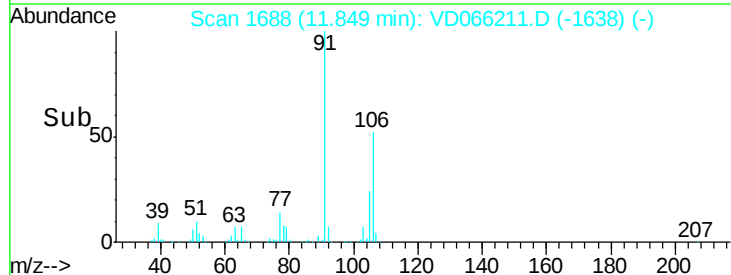
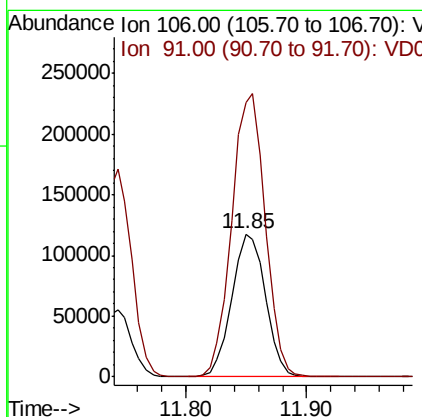
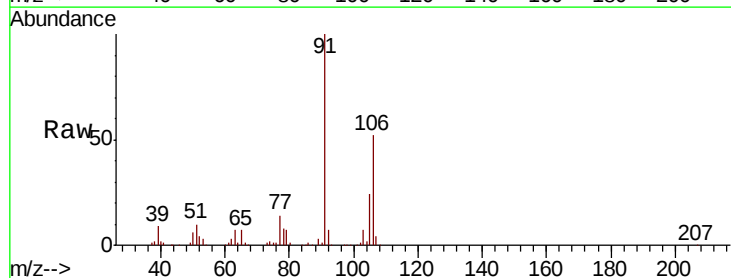
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

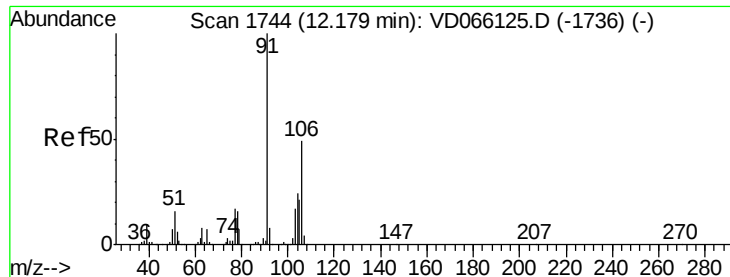
Tot Ion: 91 Resp: 289562
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5



#68
m/p-Xylenes
Concen: 39.230 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion: 106 Resp: 229243
Ion Ratio Lower Upper
106 100
91 196.9 156.6 235.0

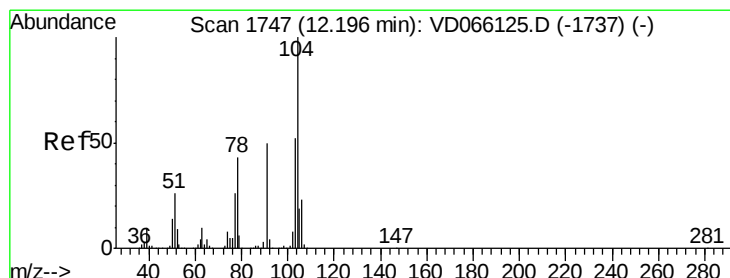
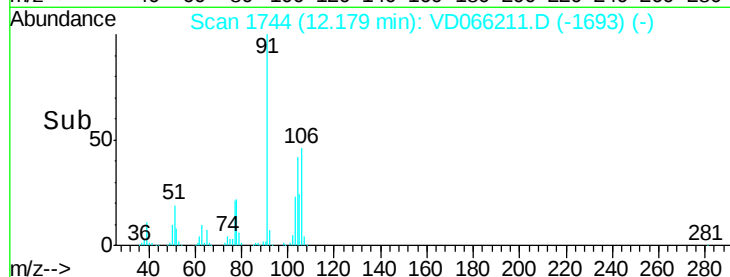
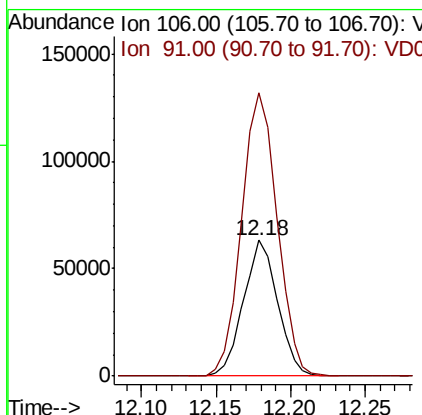
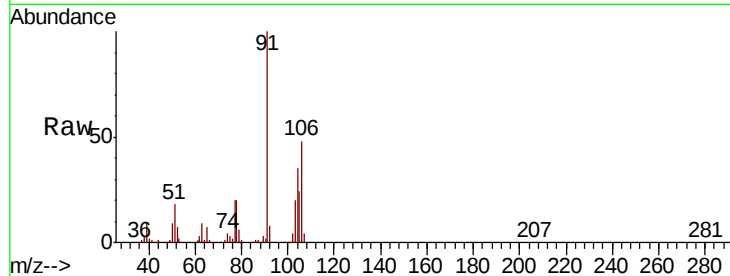




#69
o-Xylene
Concen: 18.909 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

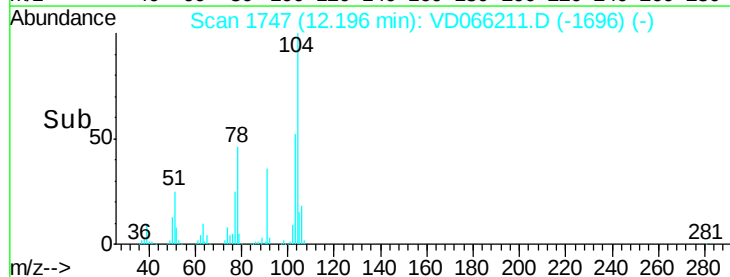
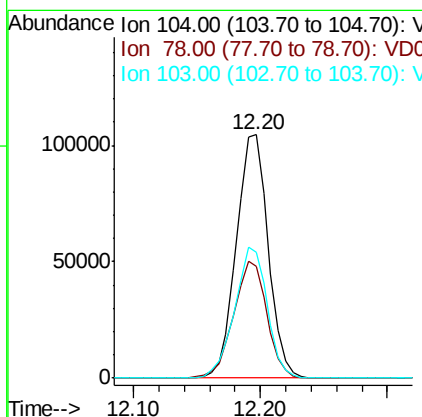
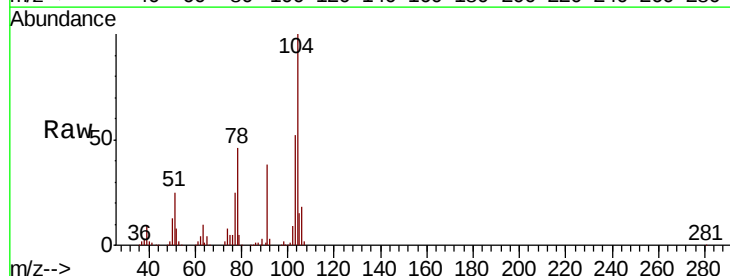
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

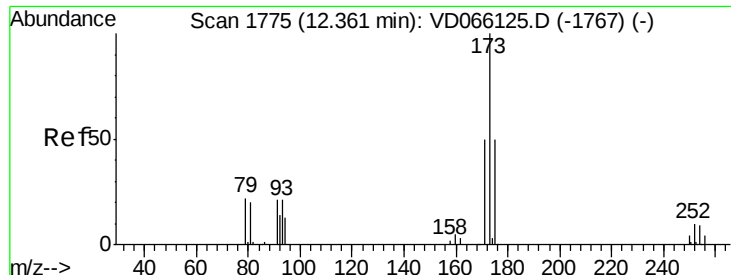
Tot Ion:106 Resp: 100517
Ion Ratio Lower Upper
106 100
91 216.4 105.7 317.1



#70
Styrene
Concen: 19.533 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion:104 Resp: 181964
Ion Ratio Lower Upper
104 100
78 50.0 38.6 58.0
103 55.2 44.1 66.1





#71

Bromoform

Concen: 19.324 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

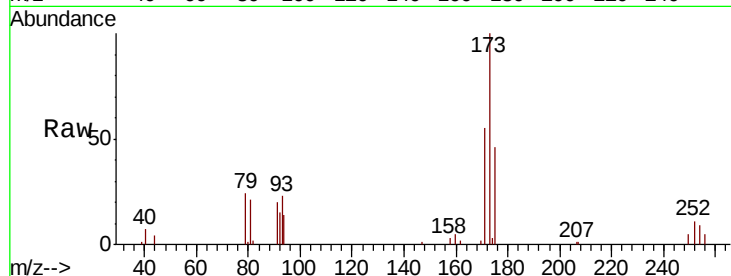
Tot Ion:173 Resp: 38988

Ion Ratio Lower Upper

173 100

175 47.5 24.6 73.6

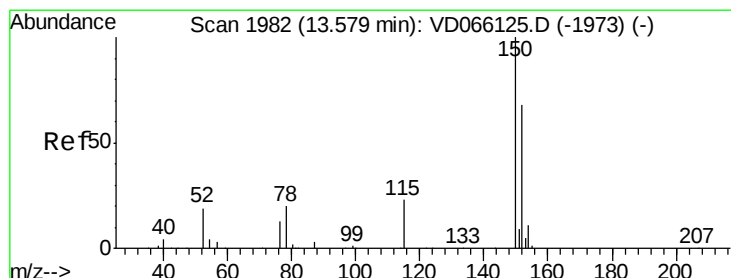
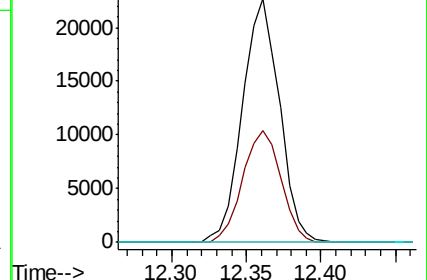
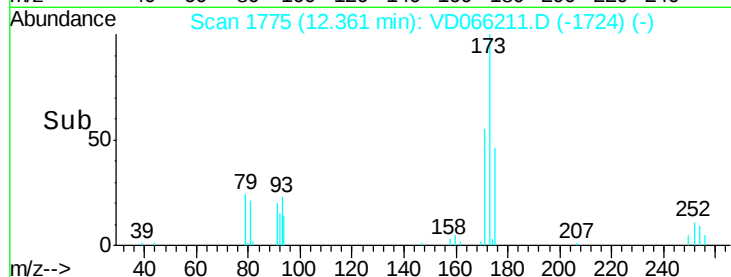
254 0.0 0.2 0.2#



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: VD066211.D

Acq: 13 Aug 2020 15:39

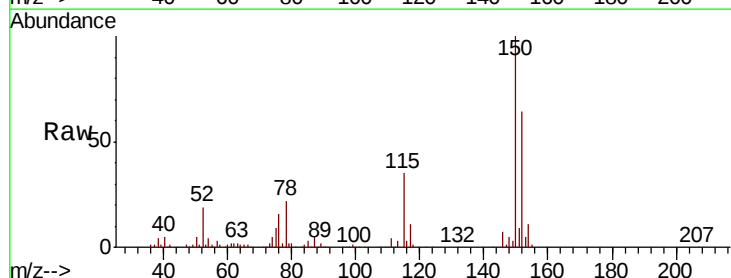
Tgt Ion:152 Resp: 224370

Ion Ratio Lower Upper

152 100

115 54.3 28.0 83.9

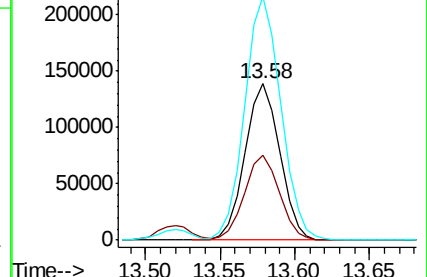
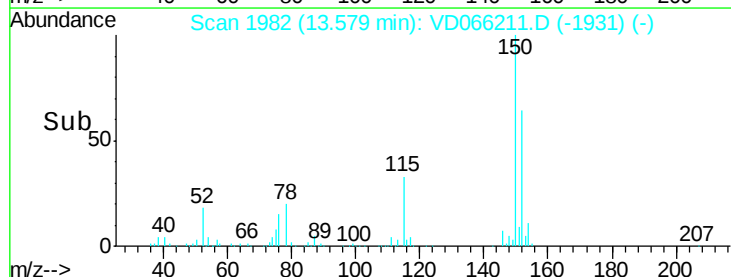
150 162.1 0.0 346.4

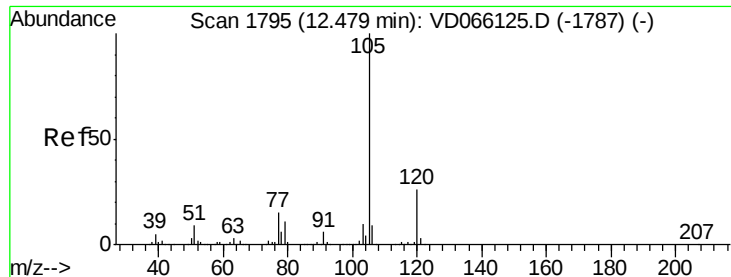


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.307 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

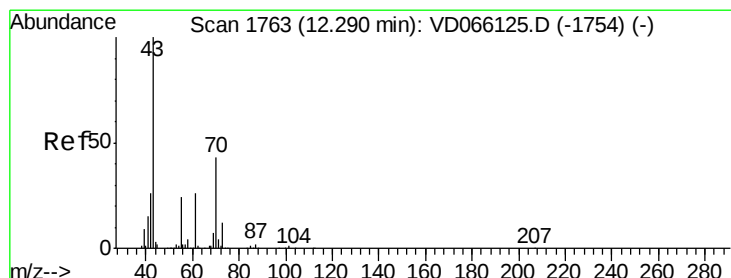
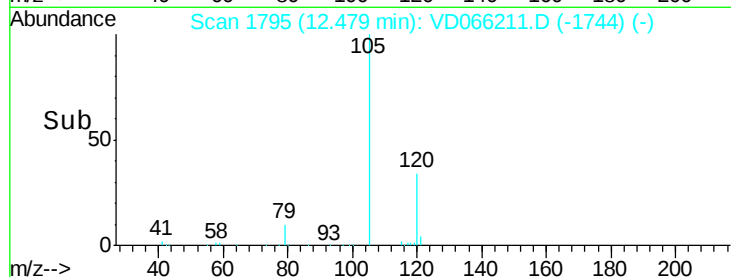
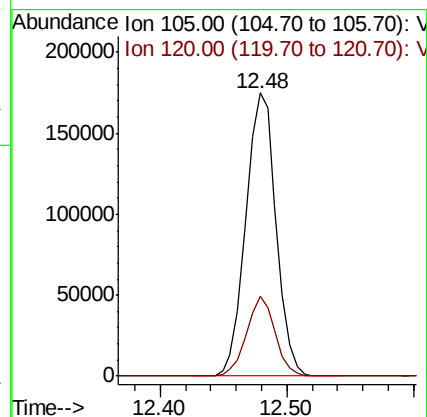
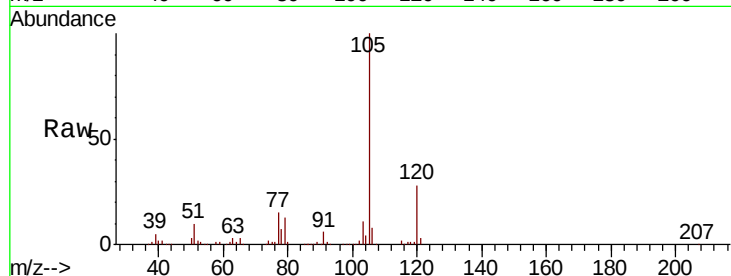
VD0813SBS01

Tot Ion:105 Resp: 289171

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#74

N-ethyl acetate

Concen: 18.444 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Tgt Ion: 43 Resp: 60830

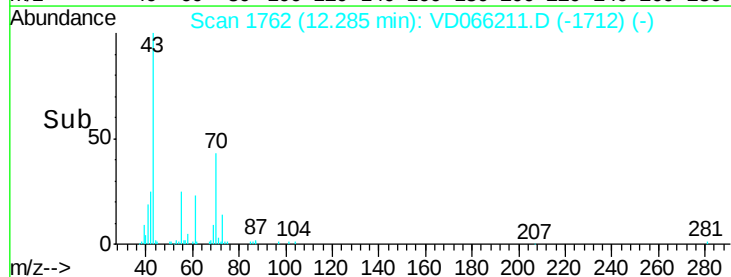
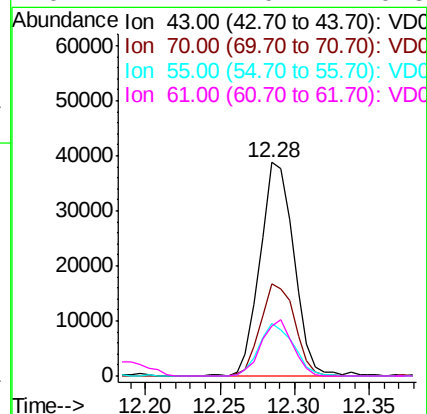
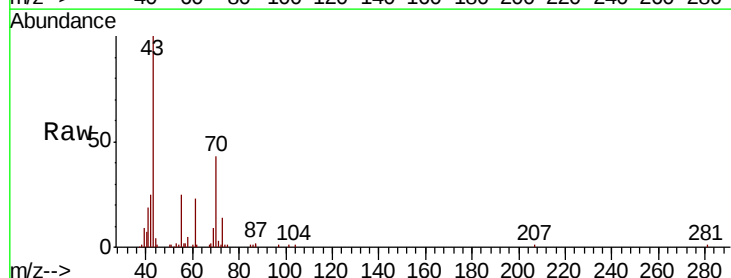
Ion Ratio Lower Upper

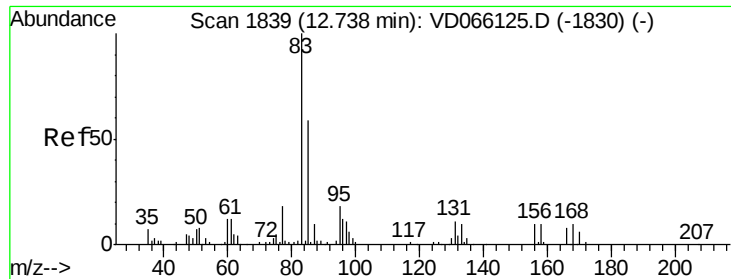
43 100

70 44.1 34.9 52.3

55 25.1 19.2 28.8

61 24.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.005 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

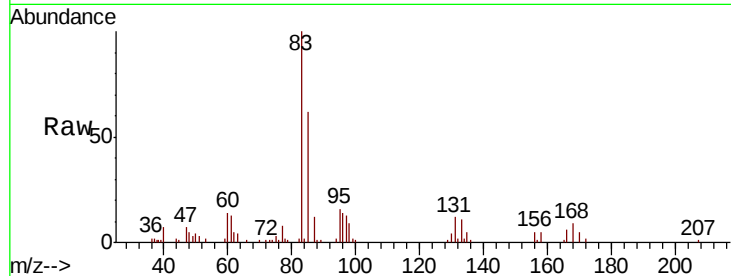
Tot Ion: 83 Resp: 48537

Ion Ratio Lower Upper

83 100

131 12.5 6.2 18.6

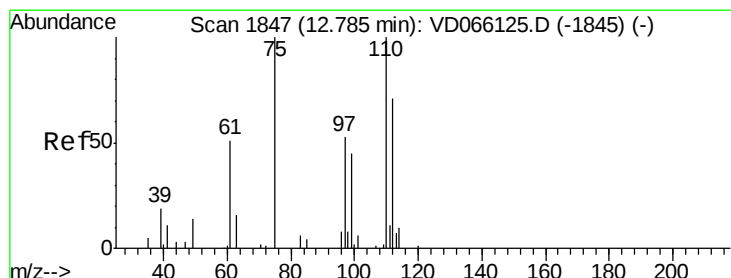
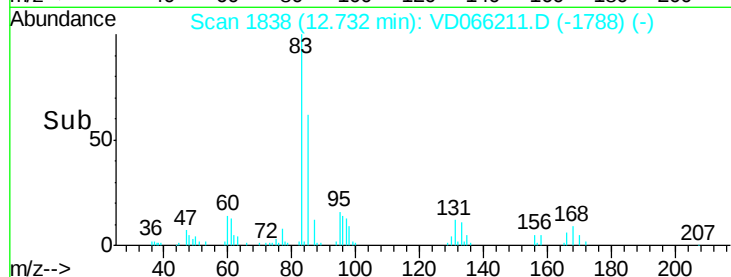
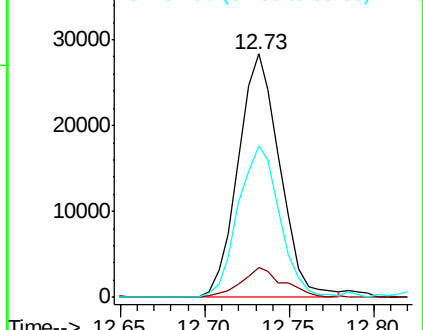
85 62.1 32.4 97.2



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: 34.565 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066211.D

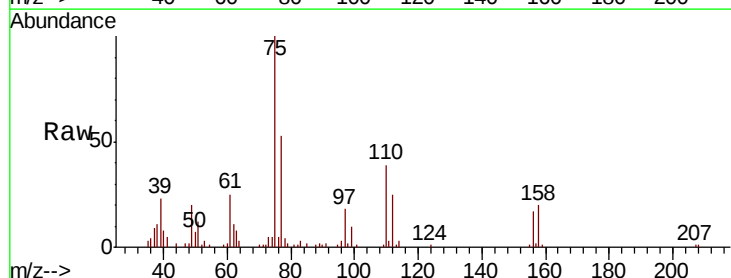
Acq: 13 Aug 2020 15:39

Tgt Ion: 75 Resp: 64674

Ion Ratio Lower Upper

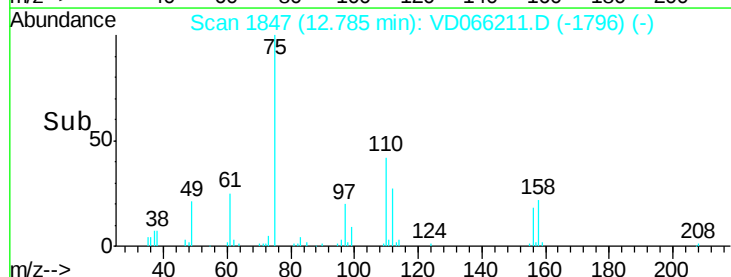
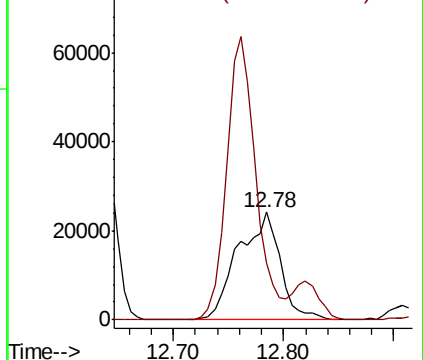
75 100

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: 19.681 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

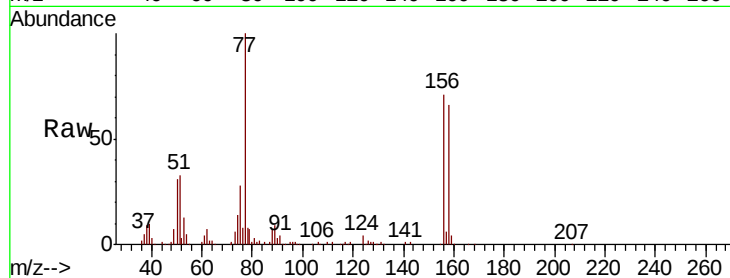
Tot Ion:156 Resp: 75881

Ion Ratio Lower Upper

156 100

77 156.0 81.0 243.1

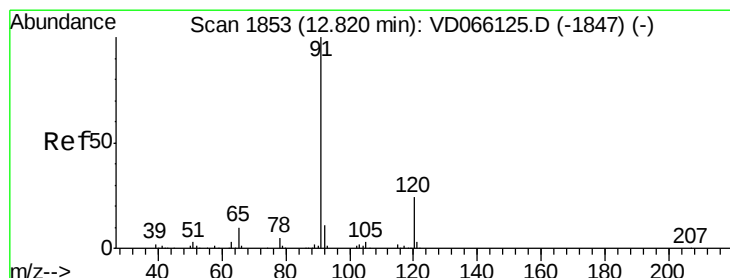
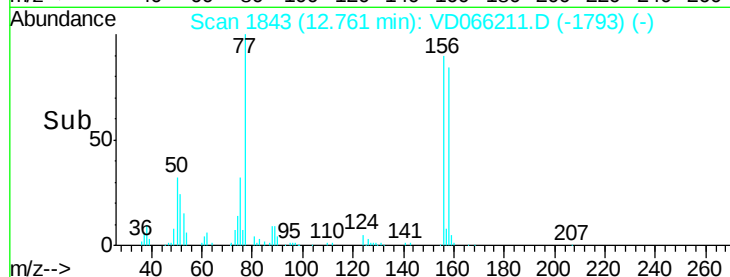
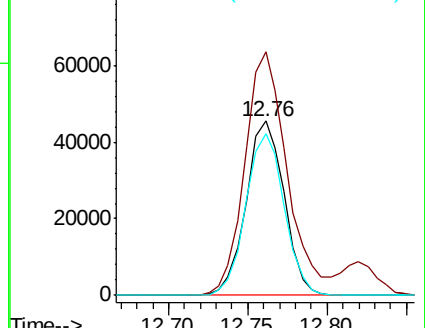
158 93.8 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.112 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066211.D

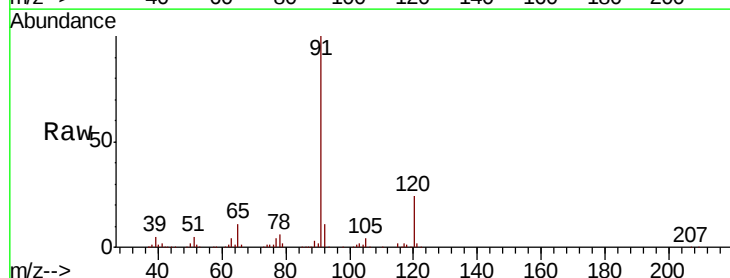
Acq: 13 Aug 2020 15:39

Tgt Ion: 91 Resp: 332743

Ion Ratio Lower Upper

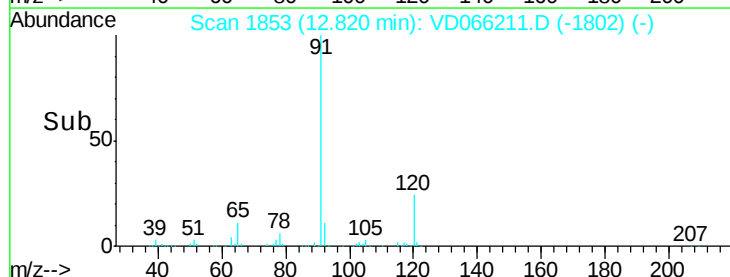
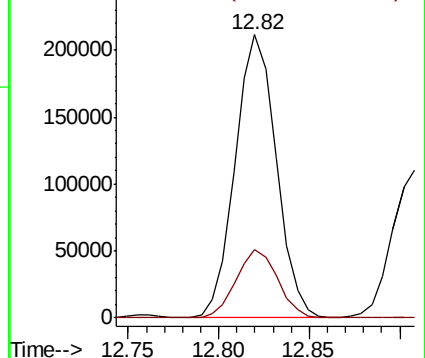
91 100

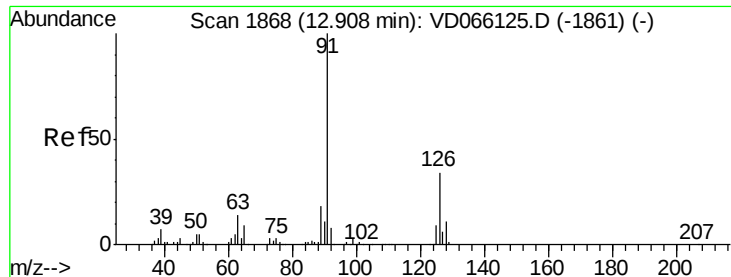
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

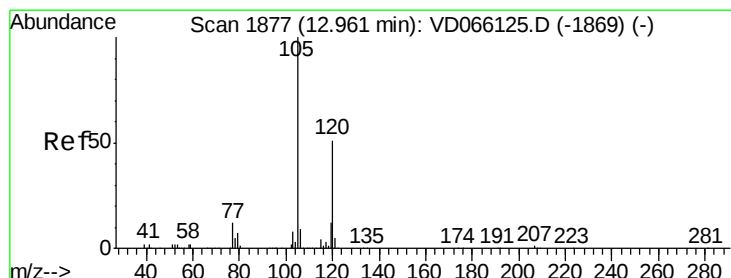
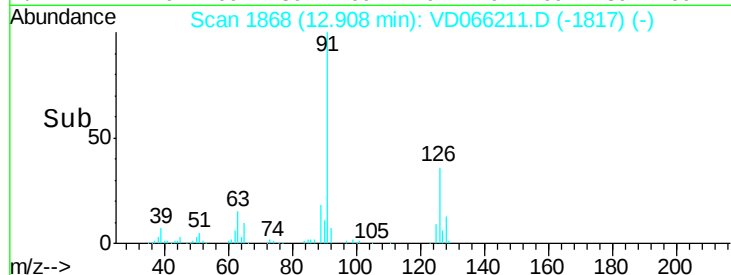
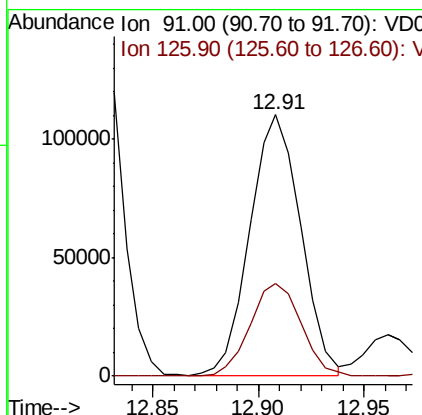
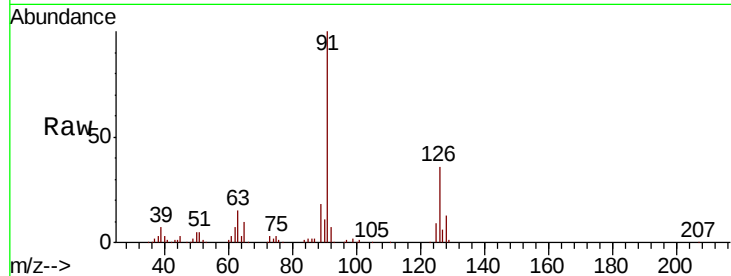




#79
 2-Chlorotoluene
 Concen: 18.542 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

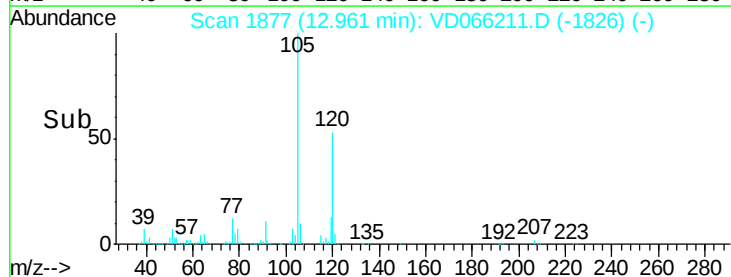
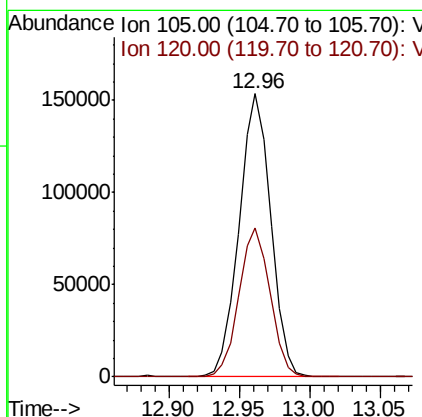
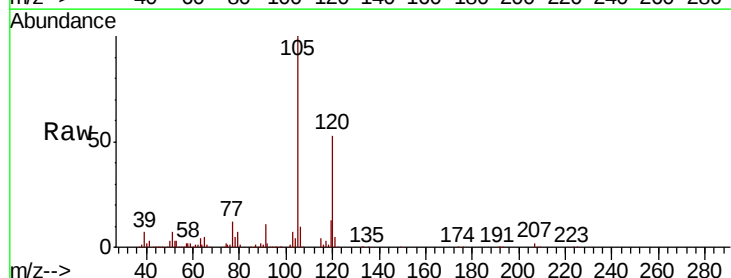
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

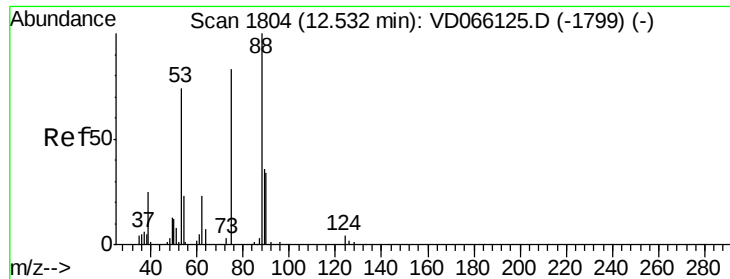
Tot Ion: 91 Resp: 184626
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 19.262 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion: 105 Resp: 241267
 Ion Ratio Lower Upper
 105 100
 120 51.6 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.709 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

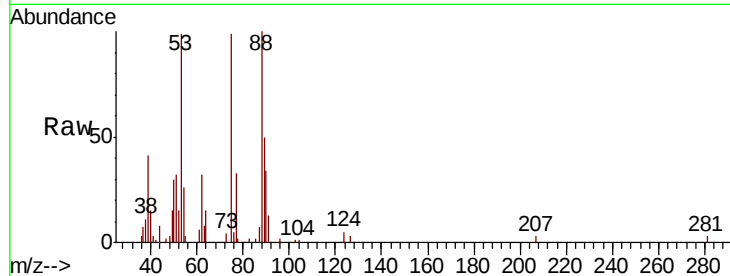
Tot Ion: 75 Resp: 16682

Ion Ratio Lower Upper

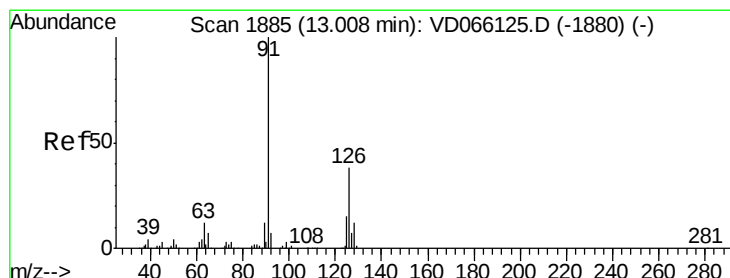
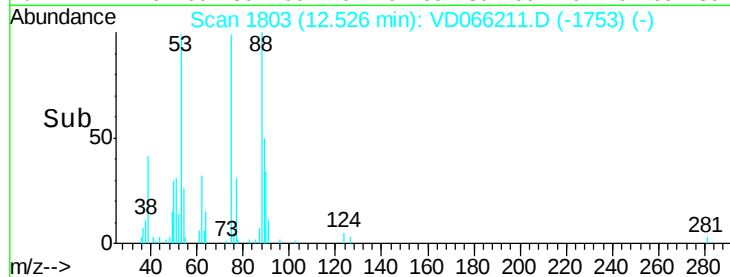
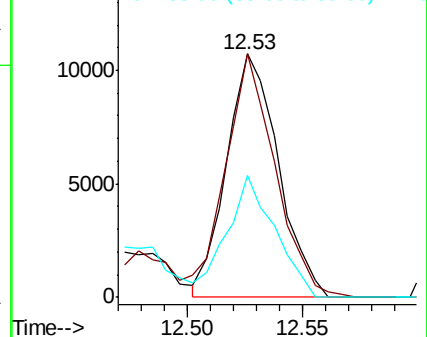
75 100

53 96.9 73.4 110.2

89 46.8 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 19.001 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066211.D

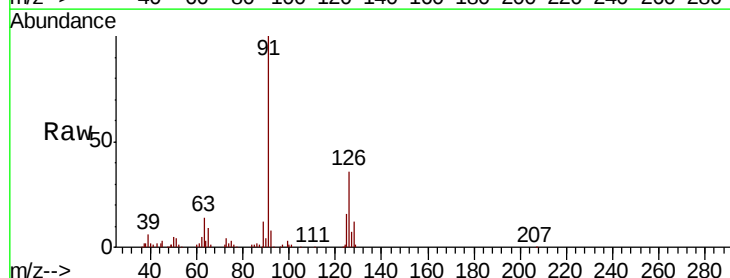
Acq: 13 Aug 2020 15:39

Tgt Ion: 91 Resp: 199732

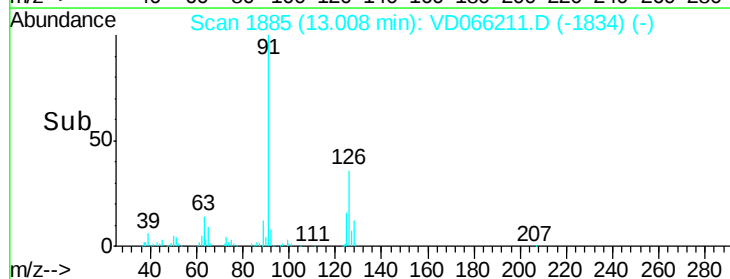
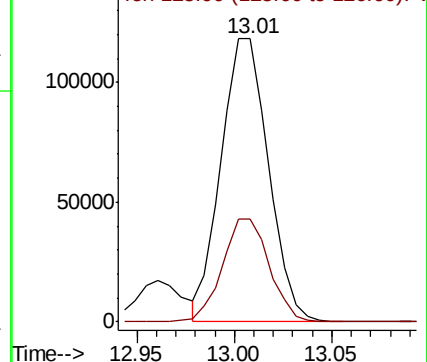
Ion Ratio Lower Upper

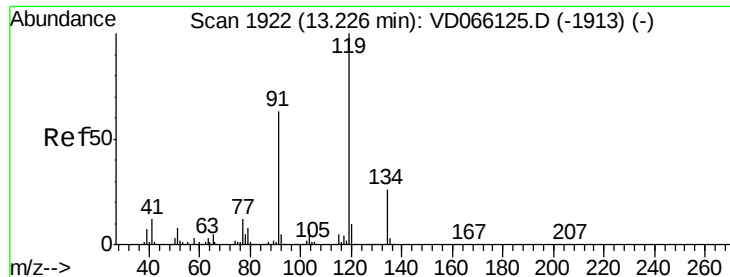
91 100

126 36.1 17.8 53.3



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





#83

tert-Butylbenzene

Concen: 18.310 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

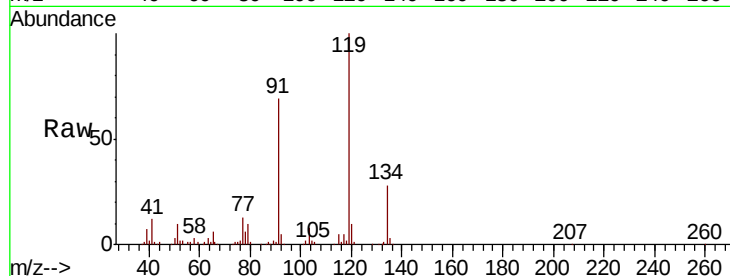
Tot Ion:119 Resp: 201696

Ion Ratio Lower Upper

119 100

91 66.8 30.8 92.4

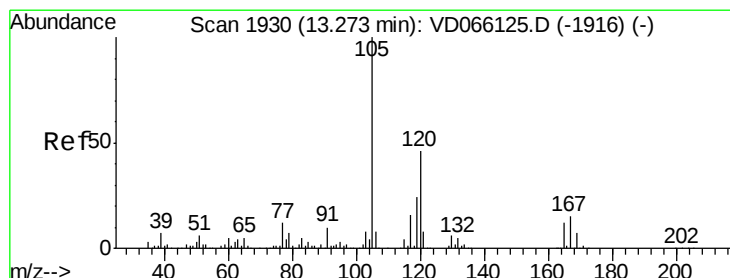
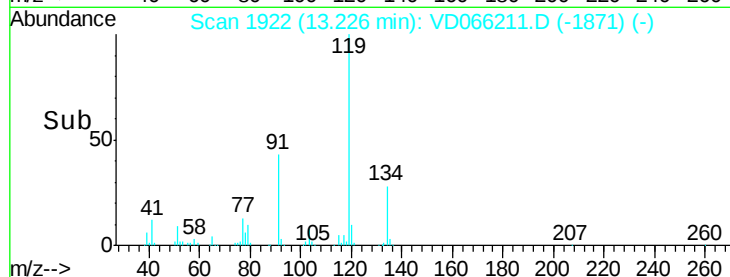
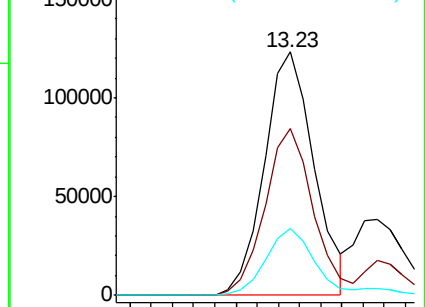
134 26.5 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.266 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066211.D

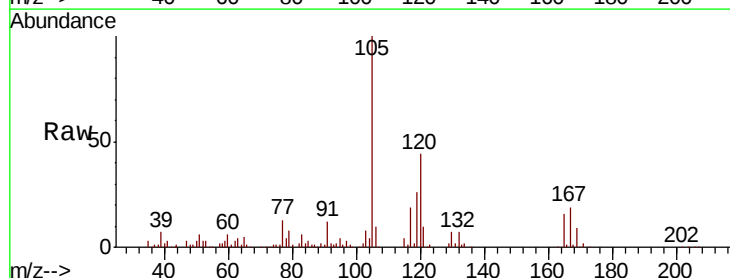
Acq: 13 Aug 2020 15:39

Tgt Ion:105 Resp: 241500

Ion Ratio Lower Upper

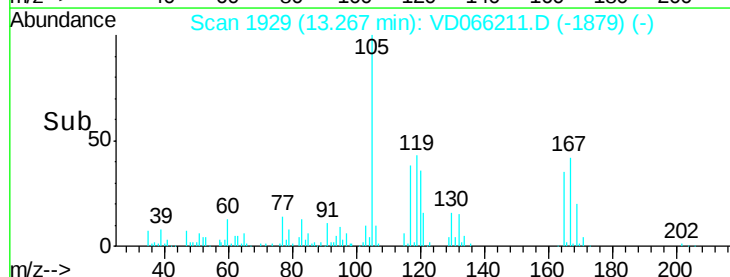
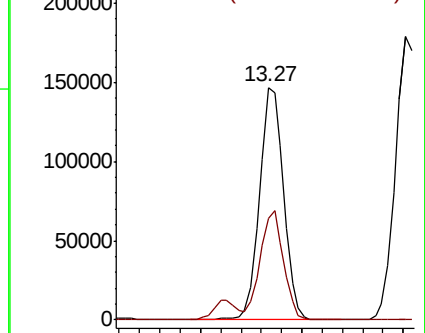
105 100

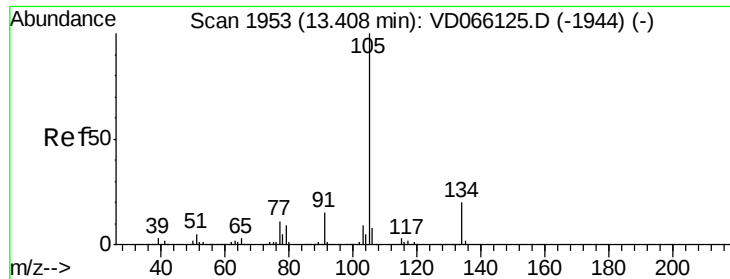
120 45.1 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

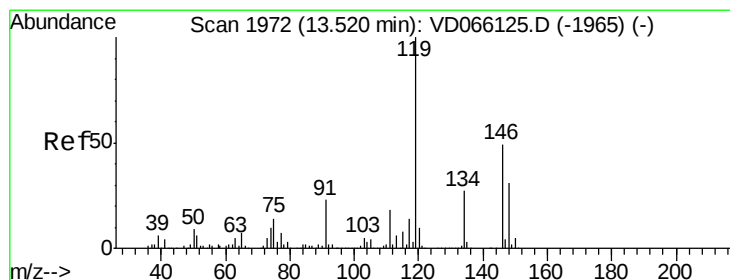
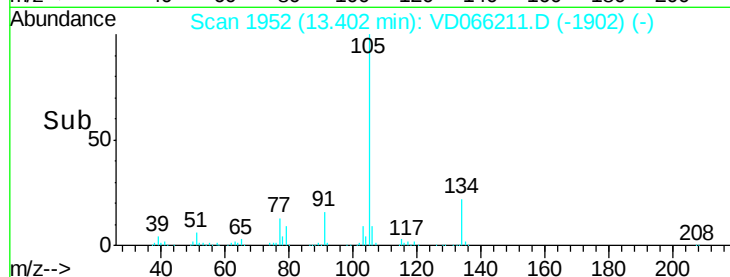
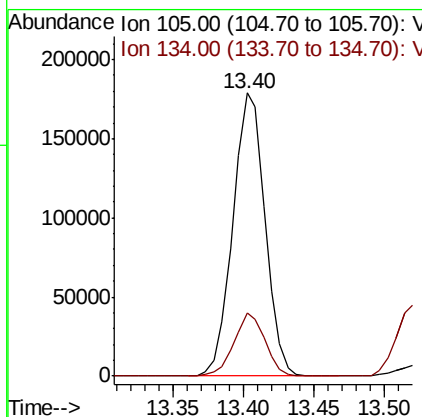
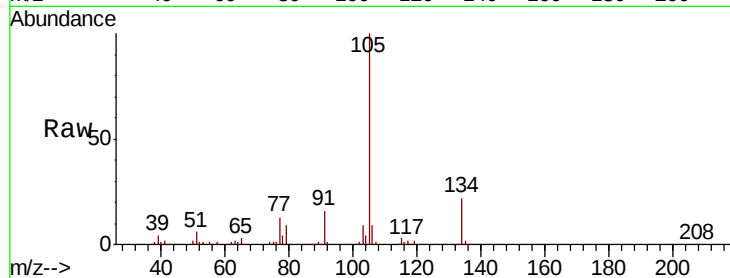




#85
 sec-Butylbenzene
 Concen: 19.097 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

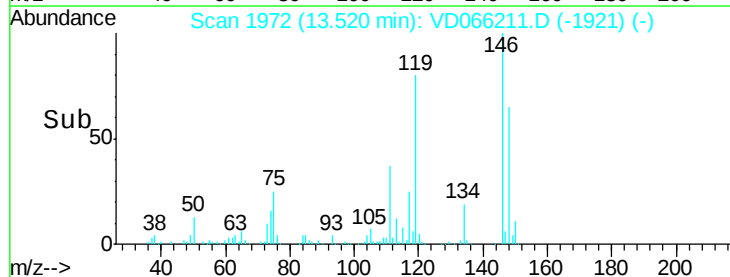
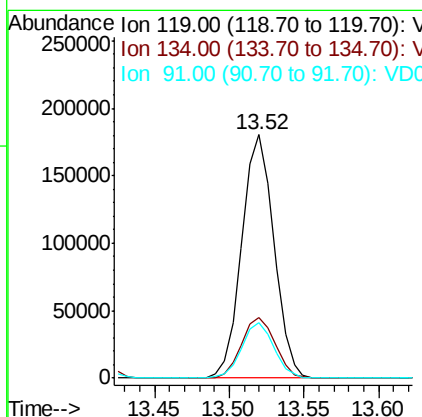
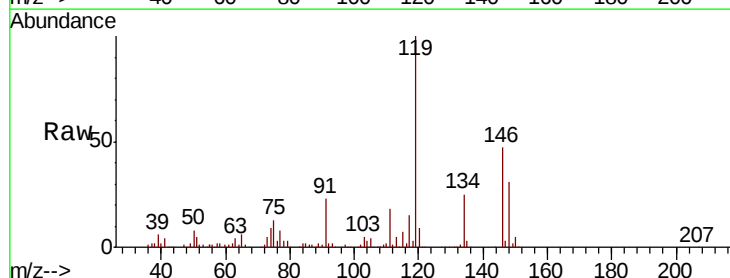
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

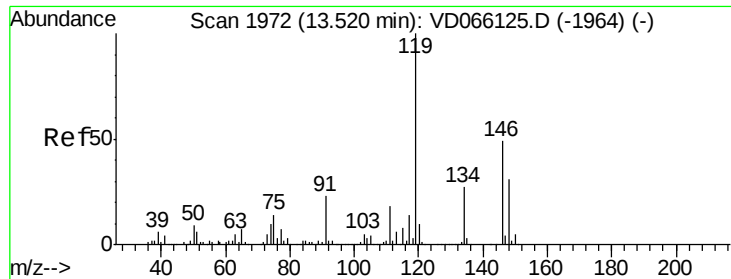
Tot Ion:105 Resp: 284022
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 19.332 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion:119 Resp: 269664
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.5 40.4
 91 22.8 11.2 33.5

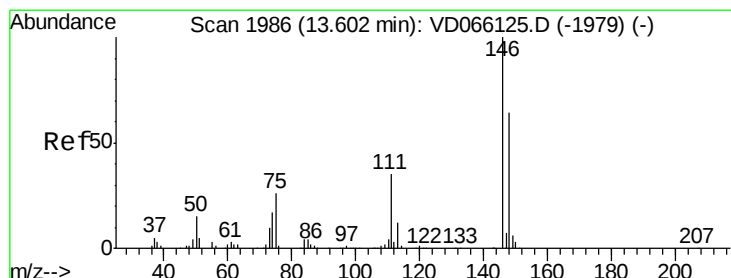
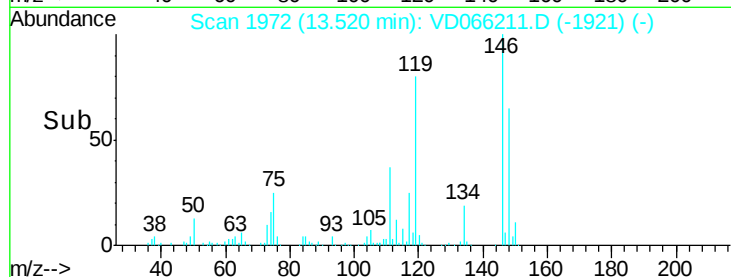
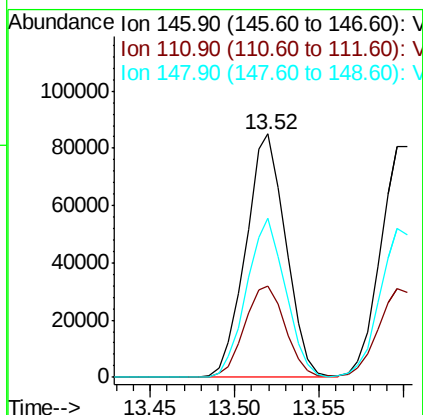
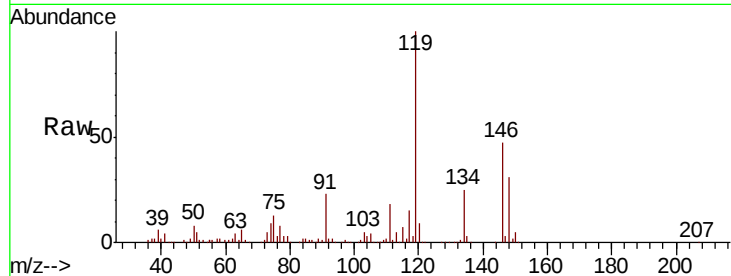




#87
 1,3-Dichlorobenzene
 Concen: 19.370 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

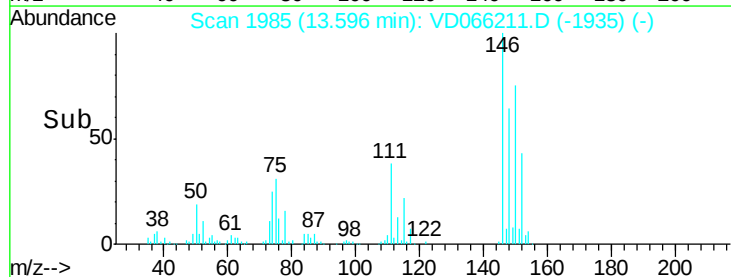
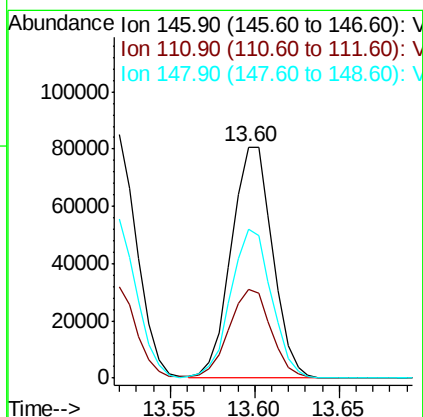
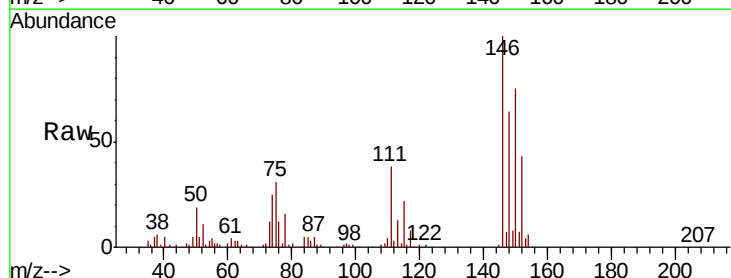
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

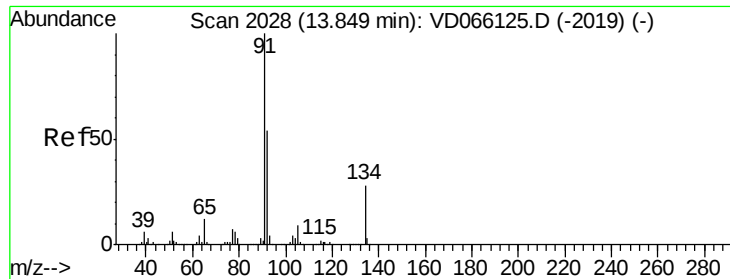
Tot Ion:146 Resp: 140355
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.9 56.9
 148 63.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.093 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion:146 Resp: 137971
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.6 55.8
 148 63.8 32.4 97.0

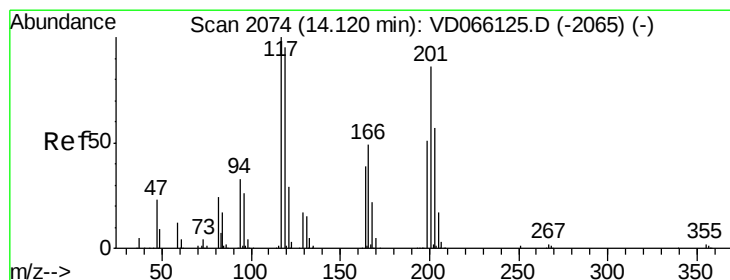
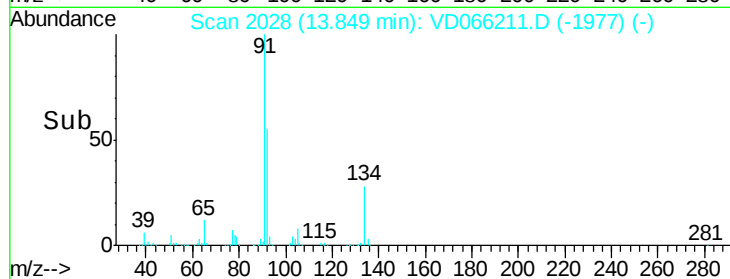
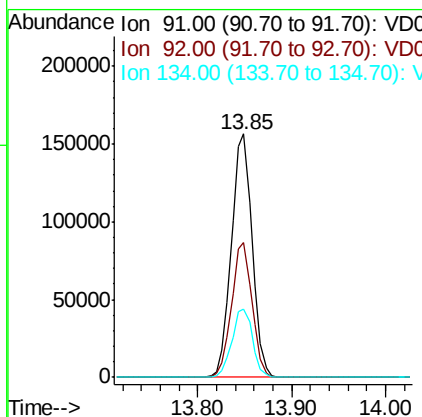
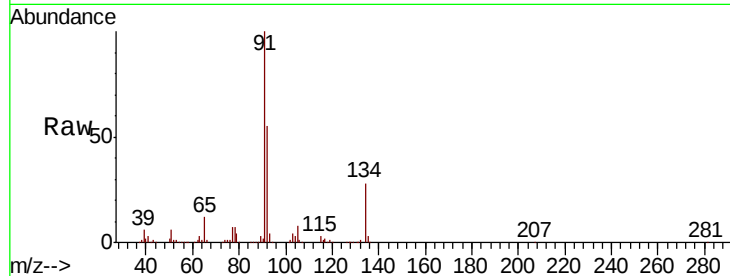




#89
n-Butylbenzene
Concen: 19.118 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

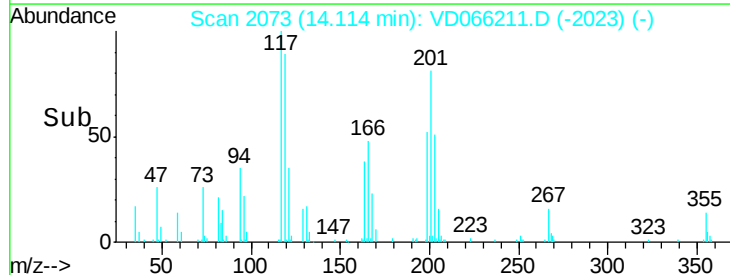
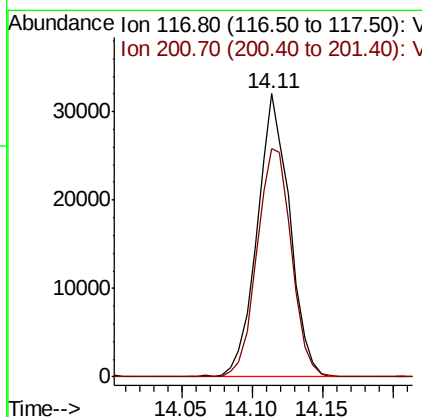
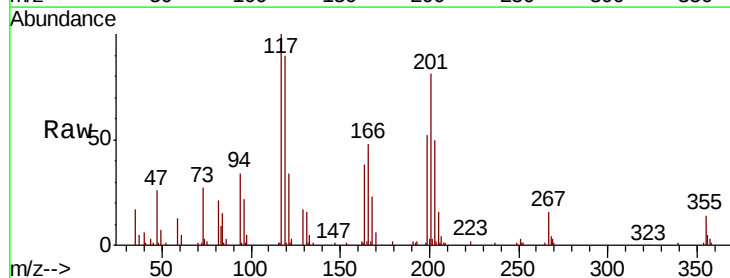
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

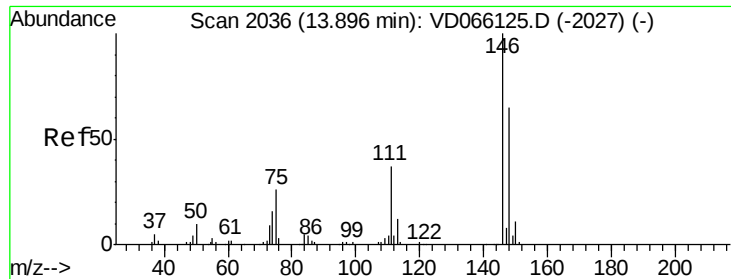
Tot Ion: 91 Resp: 238935
Ion Ratio Lower Upper
91 100
92 54.5 26.8 80.3
134 28.2 14.0 41.9



#90
Hexachloroethane
Concen: 18.624 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion: 117 Resp: 51811
Ion Ratio Lower Upper
117 100
201 85.4 42.7 128.1





#91

1,2-Dichlorobenzene

Concen: 19.067 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

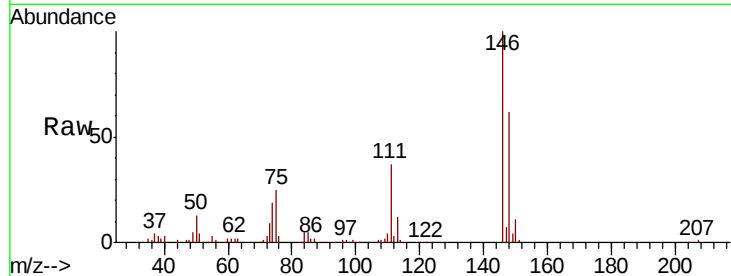
Tot Ion:146 Resp: 122187

Ion Ratio Lower Upper

146 100

111 39.4 18.8 56.3

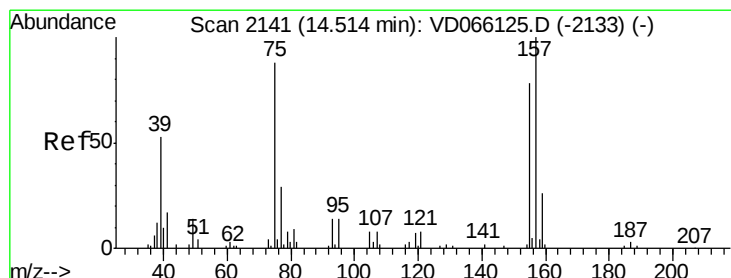
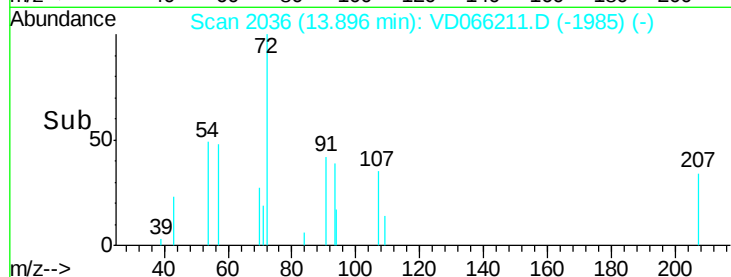
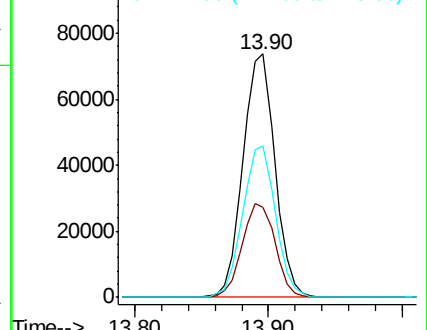
148 63.5 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.349 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

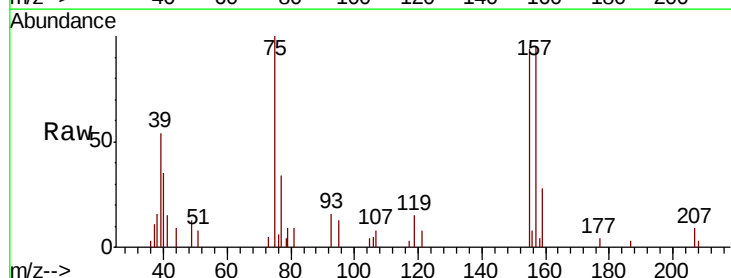
Tgt Ion: 75 Resp: 8932

Ion Ratio Lower Upper

75 100

155 90.9 47.7 143.1

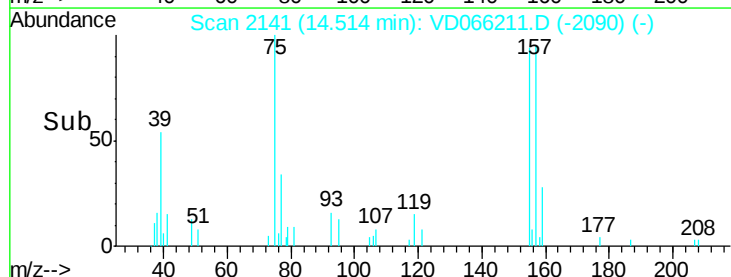
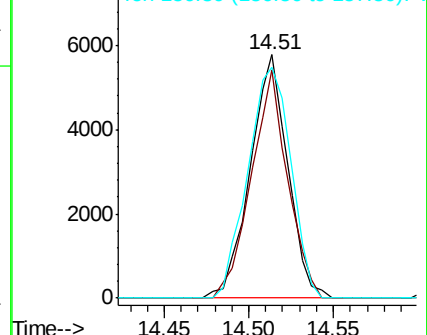
157 109.0 62.1 186.2

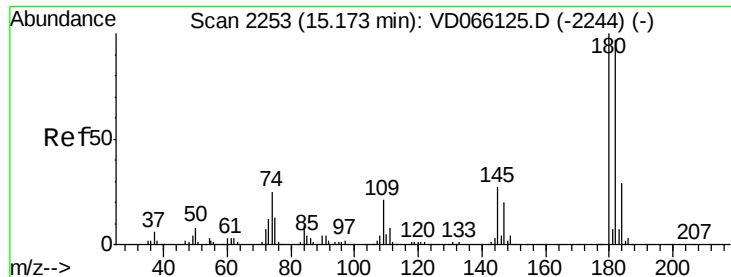


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

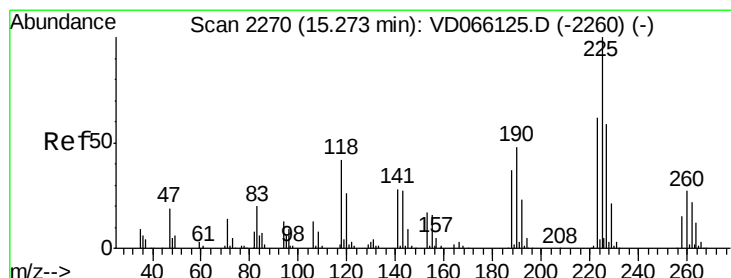
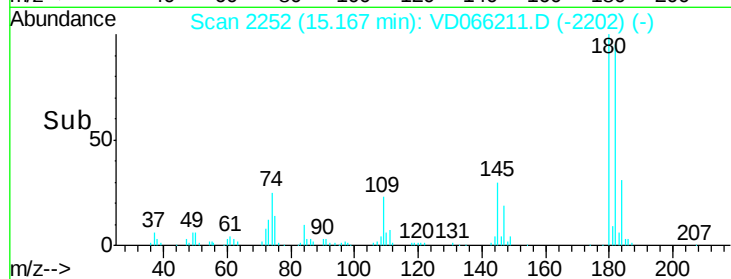
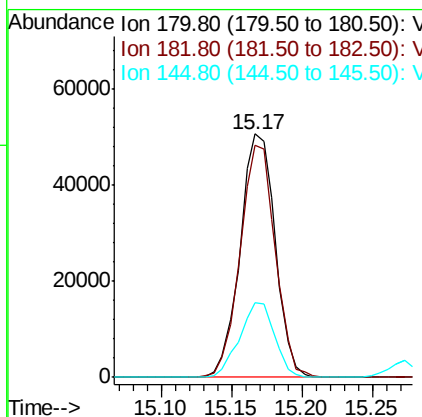
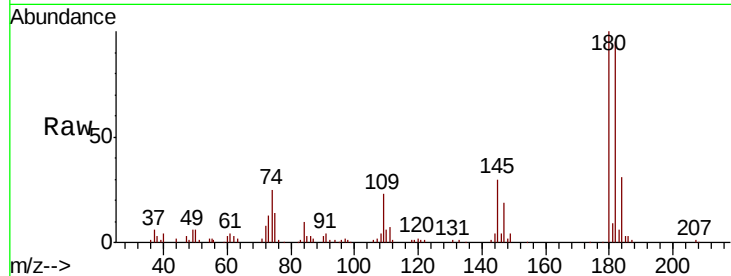




#93
 1,2,4-Trichlorobenzene
 Concen: 18.677 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

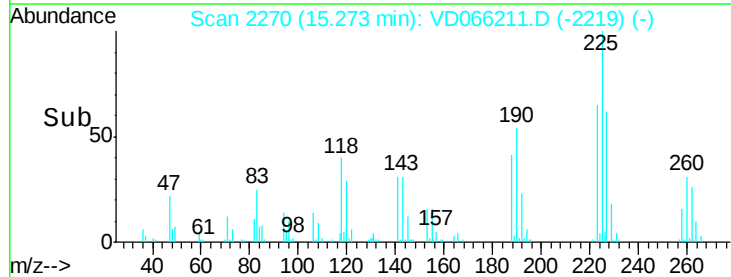
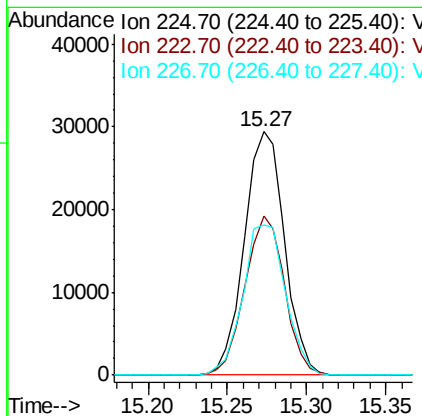
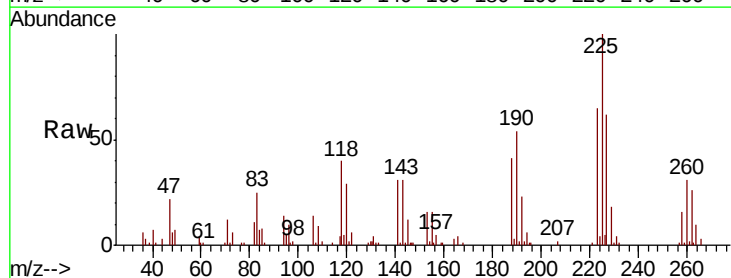
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

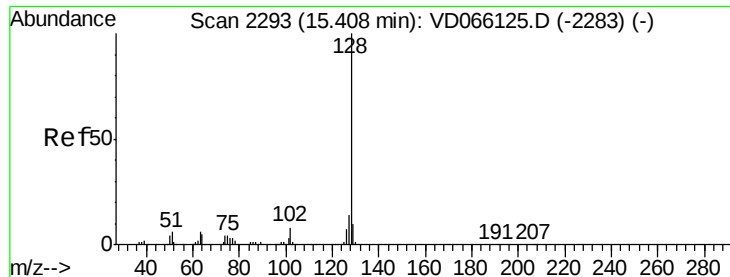
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.4	142.2
145	30.6	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 18.629 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.3	96.9
227	65.8	32.1	96.5

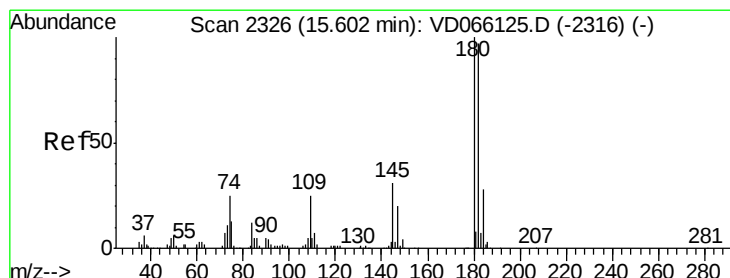
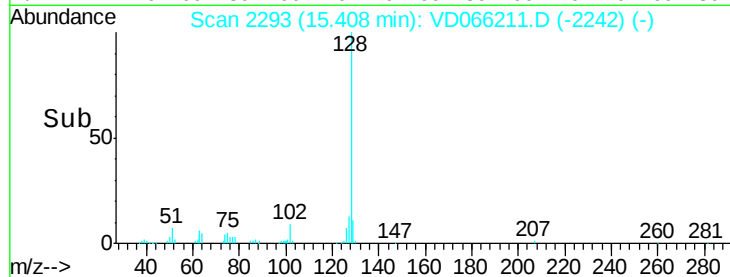
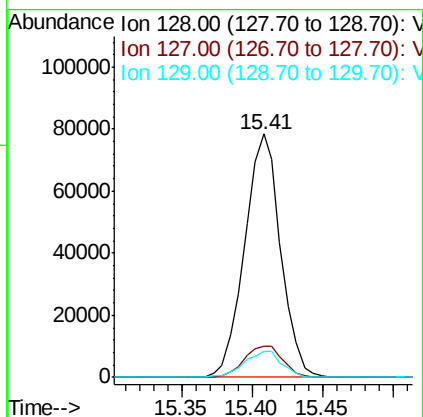
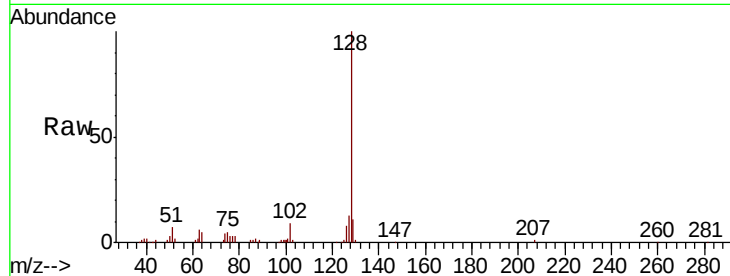




#95
Naphthalene
Concen: 18.194 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion:128 Resp: 140005
Ion Ratio Lower Upper
128 100
127 13.9 11.0 16.4
129 11.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.413 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion:180 Resp: 76763
Ion Ratio Lower Upper
180 100
182 95.5 47.1 141.4
145 32.5 14.9 44.9

