

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066296.D
 Acq On : 19 Aug 2020 01:46
 Operator : VA/SY
 Sample : VD0818SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Quant Time: Aug 19 06:45:16 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	7.98	168	225888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	340029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	316435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	165502	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	125568	62.31	ug/l	0.00
Spiked Amount			Recovery	=	124.62%	
35) Dibromofluoromethane	7.91	113	123088	57.14	ug/l	0.00
Spiked Amount			Recovery	=	114.28%	
50) Toluene-d8	10.34	98	437337	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	
62) 4-Bromofluorobenzene	12.63	95	158582	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	40567	20.384	ug/l	90
3) Chloromethane	2.21	50	30173	19.490	ug/l	99
4) Vinyl Chloride	2.35	62	29101	21.232	ug/l	99
5) Bromomethane	2.76	94	20815	22.890	ug/l	93
6) Chloroethane	2.91	64	18660	22.179	ug/l	99
7) Trichlorofluoromethane	3.26	101	73652	20.612	ug/l	97
8) Diethyl Ether	3.71	74	20902	20.731	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	41208	19.432	ug/l	98
10) Methyl Iodide	4.30	142	40003	24.650	ug/l	95
11) Tert butyl alcohol	5.23	59	22027	127.809	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	38799	19.395	ug/l	90
13) Acrolein	3.92	56	8480	52.864	ug/l	98
14) Allyl chloride	4.70	41	56917	18.780	ug/l	95
15) Acrylonitrile	5.42	53	45459	106.996	ug/l	98
16) Acetone	4.16	43	36573	95.645	ug/l #	87
17) Carbon Disulfide	4.40	76	113205	17.798	ug/l	100
18) Methyl Acetate	4.72	43	21156	21.782	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	99926	21.793	ug/l	96
20) Methylene Chloride	4.96	84	64746	27.373	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	46183	20.096	ug/l	92
22) Diisopropyl ether	6.36	45	119474	19.935	ug/l	92
23) Vinyl Acetate	6.30	43	345751	98.474	ug/l	99
24) 1,1-Dichloroethane	6.26	63	77490	20.892	ug/l	97
25) 2-Butanone	7.21	43	54349	96.636	ug/l	90
26) 2,2-Dichloropropane	7.20	77	63790	19.189	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	50744	21.052	ug/l	98
28) Bromochloromethane	7.54	49	27840	21.371	ug/l	95
29) Tetrahydrofuran	7.56	42	34724	99.653	ug/l	96
30) Chloroform	7.71	83	85431	21.936	ug/l	95
31) Cyclohexane	7.97	56	61156	17.322	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	79361	21.733	ug/l	99
36) 1,1-Dichloropropene	8.11	75	63636	19.916	ug/l	98
37) Ethyl Acetate	7.28	43	26795	21.165	ug/l	97
38) Carbon Tetrachloride	8.08	117	72555	20.362	ug/l	91

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 ALS Vial : 32 Sample Multiplier: 1

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 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)
39) Methylcyclohexane	9.35	83	66326	17.172	ug/l	97
40) Benzene	8.34	78	174081	19.639	ug/l	98
41) Methacrylonitrile	7.52	41	12809	17.208	ug/l #	86
42) 1,2-Dichloroethane	8.42	62	56457	21.681	ug/l	99
43) Isopropyl Acetate	8.44	43	49258	19.748	ug/l	96
44) Trichloroethene	9.10	130	53701	20.105	ug/l	91
45) 1,2-Dichloropropane	9.38	63	42973	19.823	ug/l	89
46) Dibromomethane	9.47	93	24271	20.326	ug/l	95
47) Bromodichloromethane	9.66	83	67471	21.378	ug/l	95
48) Methyl methacrylate	9.46	41	23876	18.746	ug/l #	81
49) 1,4-Dioxane	9.46	88	6480	422.387	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	129262	100.886	ug/l	99
52) Toluene	10.40	92	118729	20.356	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	61044	20.381	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	68953	19.649	ug/l #	91
55) 1,1,2-Trichloroethane	10.80	97	35024	20.369	ug/l	97
56) Ethyl methacrylate	10.66	69	40141	19.433	ug/l #	91
57) 1,3-Dichloropropane	10.94	76	59711	20.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	104128	112.071	ug/l	96
59) 2-Hexanone	10.98	43	88022	97.888	ug/l	98
60) Dibromochloromethane	11.14	129	49588	20.889	ug/l	96
61) 1,2-Dibromoethane	11.24	107	35323	21.361	ug/l	99
64) Tetrachloroethene	10.87	164	47952	19.734	ug/l	92
65) Chlorobenzene	11.67	112	130066	20.248	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	52162	20.753	ug/l	96
67) Ethyl Benzene	11.74	91	222448	19.983	ug/l	100
68) m/p-Xylenes	11.85	106	174096	40.366	ug/l	98
69) o-Xylene	12.18	106	77456	19.743	ug/l	93
70) Styrene	12.19	104	142758	20.763	ug/l	99
71) Bromoform	12.36	173	31360	21.059	ug/l #	97
73) Isopropylbenzene	12.48	105	214127	19.382	ug/l	98
74) N-amyl acetate	12.29	43	47985	19.724	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	37991	20.167	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	49978	36.211	ug/l #	100
77) Bromobenzene	12.76	156	56503	19.868	ug/l	99
78) n-propylbenzene	12.82	91	250533	19.509	ug/l	100
79) 2-Chlorotoluene	12.91	91	147016	20.016	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	187103	20.251	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	12037	19.279	ug/l	95
82) 4-Chlorotoluene	13.01	91	155655	20.075	ug/l	99
83) tert-Butylbenzene	13.23	119	161000	19.815	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	188264	20.361	ug/l	97
85) sec-Butylbenzene	13.40	105	214117	19.518	ug/l	100
86) p-Isopropyltoluene	13.52	119	201281	19.563	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	108129	20.230	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107506	20.168	ug/l	99
89) n-Butylbenzene	13.85	91	173617	18.833	ug/l	99
90) Hexachloroethane	14.11	117	41626	20.285	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	95195	20.139	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7204	22.250	ug/l	93

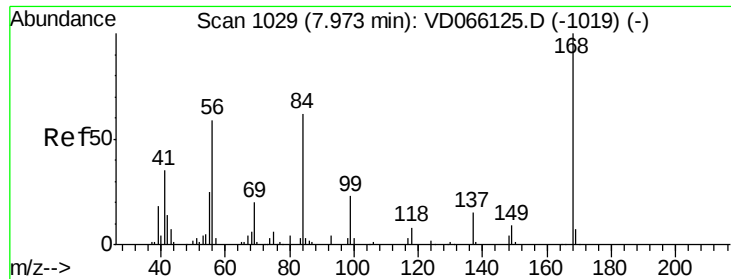
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	65724	18.867	ug/l	99
94) Hexachlorobutadiene	15.27	225	40012	19.506	ug/l	95
95) Naphthalene	15.41	128	111512	19.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	58619	19.062	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

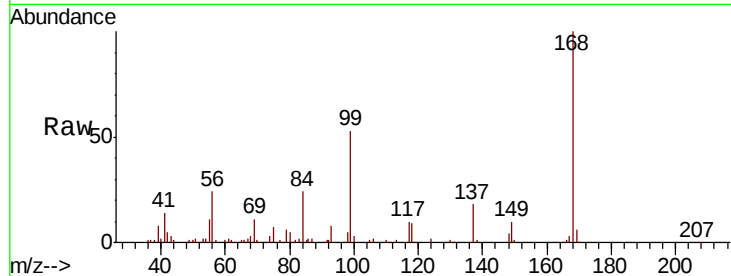
VD0818SBS02

Tot Ion:168 Resp: 225888

Ion Ratio Lower Upper

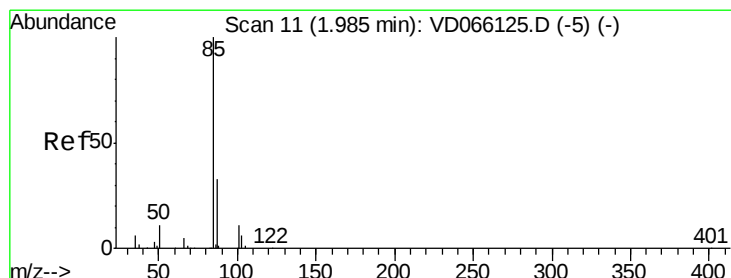
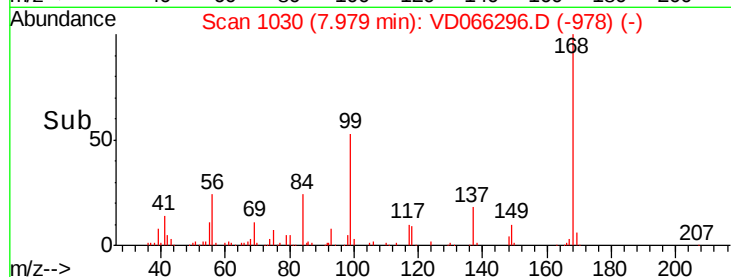
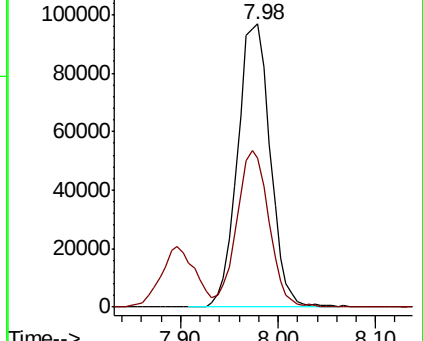
168 100

99 52.2 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.384 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066296.D

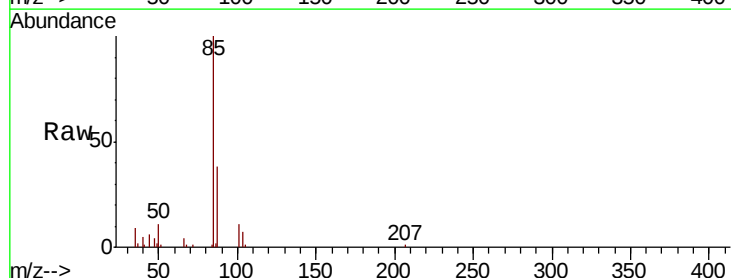
Acq: 19 Aug 2020 01:46

Tgt Ion: 85 Resp: 40567

Ion Ratio Lower Upper

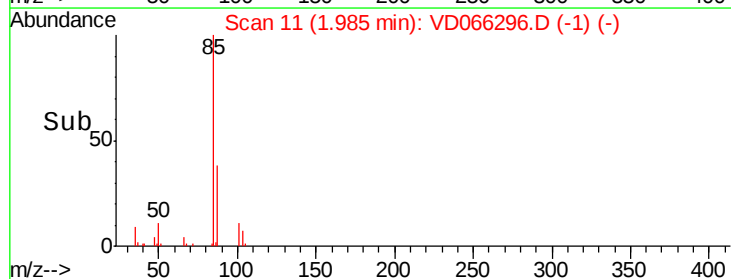
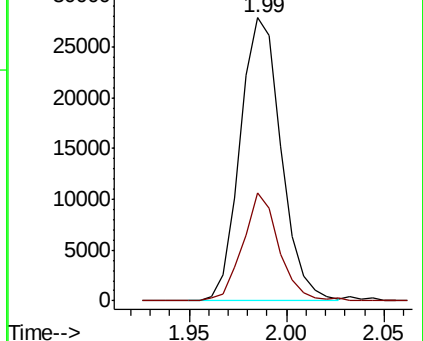
85 100

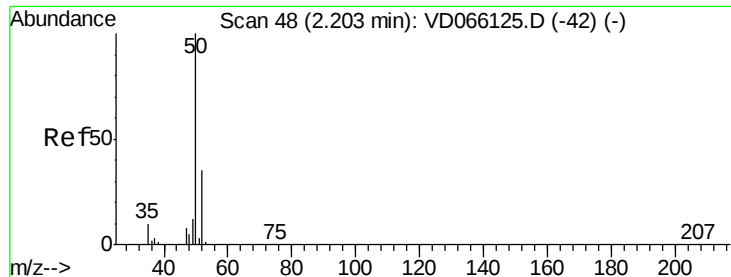
87 38.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.490 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

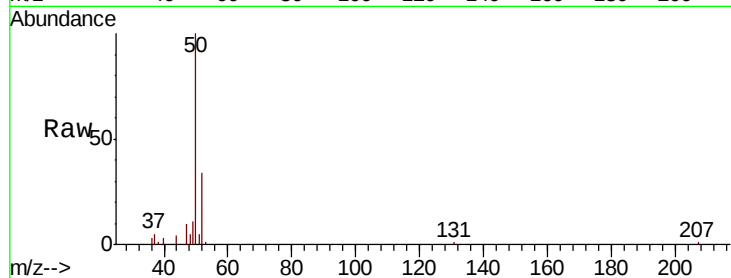
VD0818SBS02

Tot Ion: 50 Resp: 30173

Ion Ratio Lower Upper

50 100

52 34.5 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

20000

15000

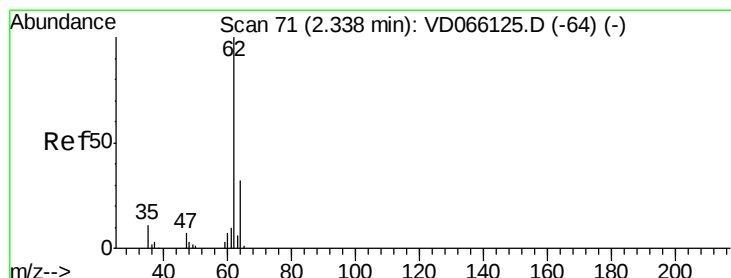
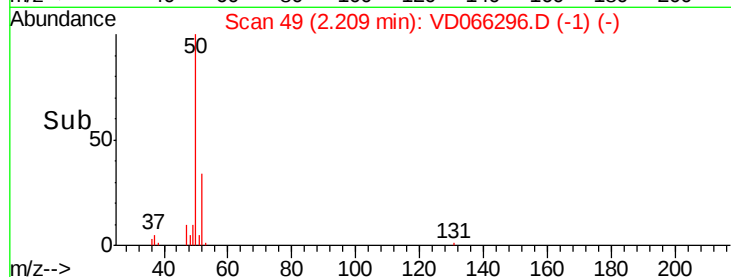
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 21.232 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066296.D

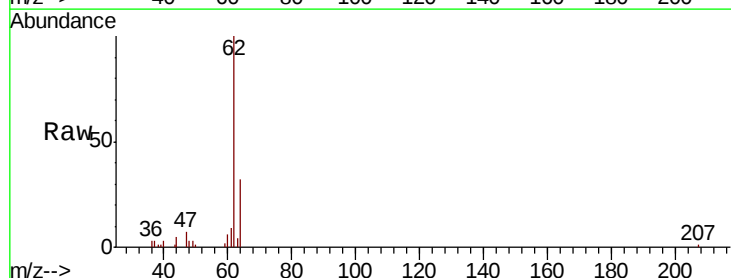
Acq: 19 Aug 2020 01:46

Tgt Ion: 62 Resp: 29101

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

20000

15000

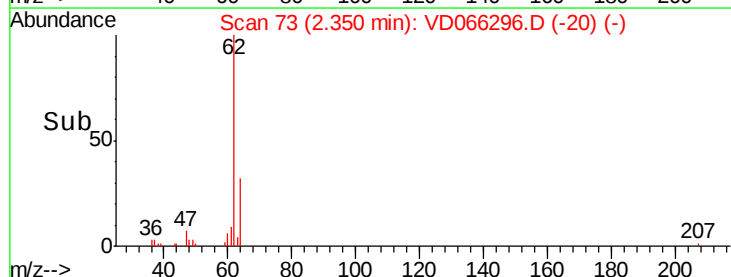
10000

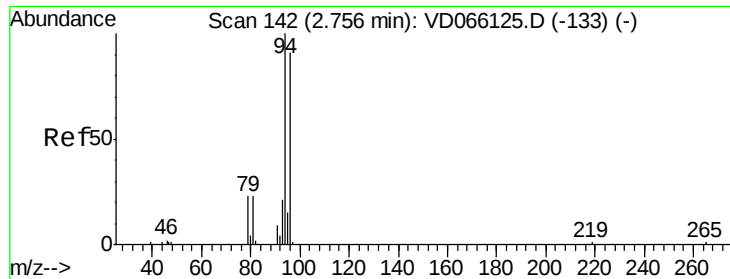
5000

0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 22.890 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

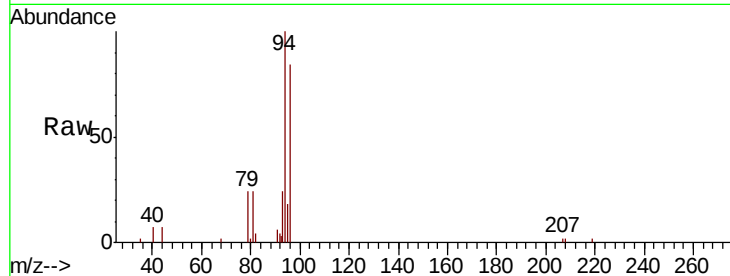
VD0818SBS02

Tot Ion: 94 Resp: 20815

Ion Ratio Lower Upper

94 100

96 84.1 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

10000

8000

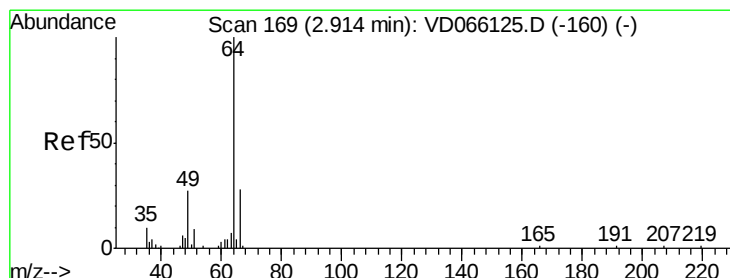
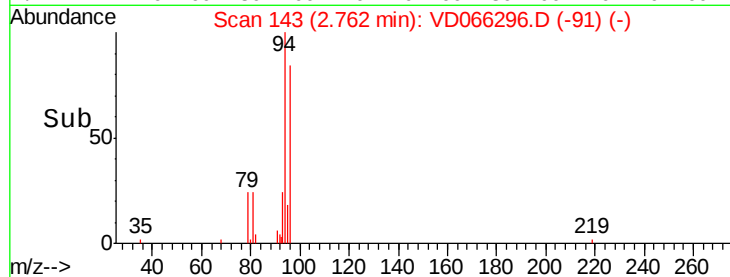
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 22.179 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066296.D

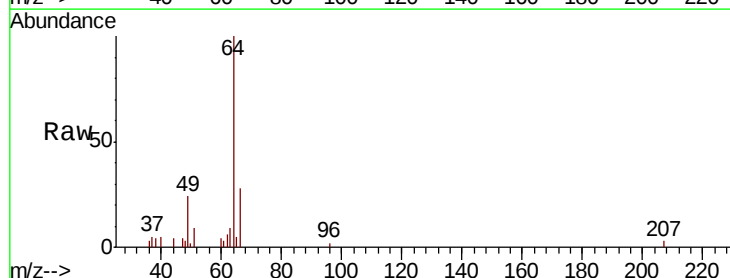
Acq: 19 Aug 2020 01:46

Tgt Ion: 64 Resp: 18660

Ion Ratio Lower Upper

64 100

66 27.9 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

10000

8000

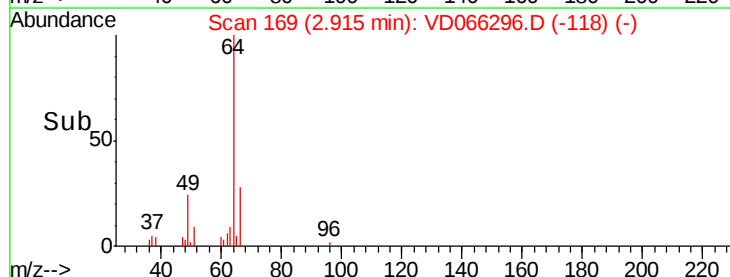
6000

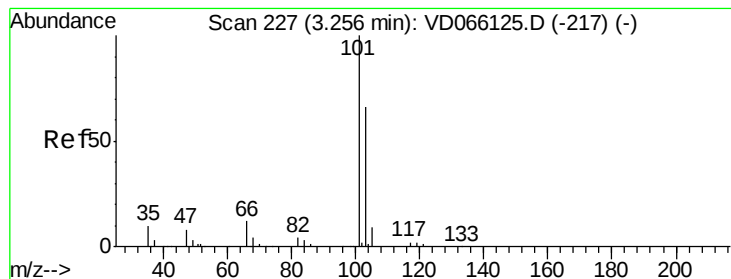
4000

2000

0

Time-->





#7

Trichlorofluoromethane

Concen: 20.612 ug/l

RT: 3.26 min Scan# 228

Delta R.T. 0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

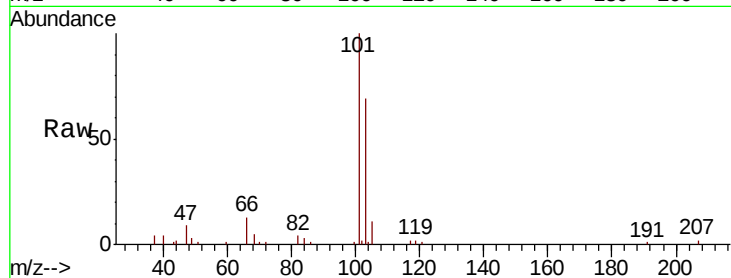
VD0818SBS02

Tot Ion:101 Resp: 73652

Ion Ratio Lower Upper

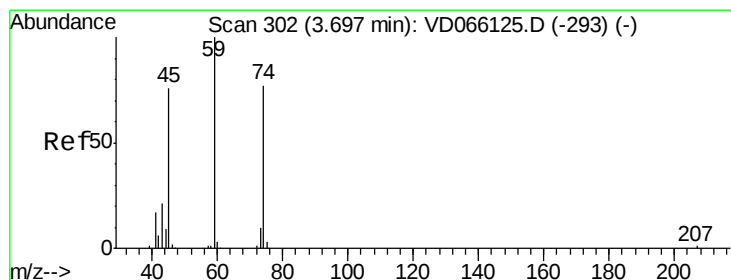
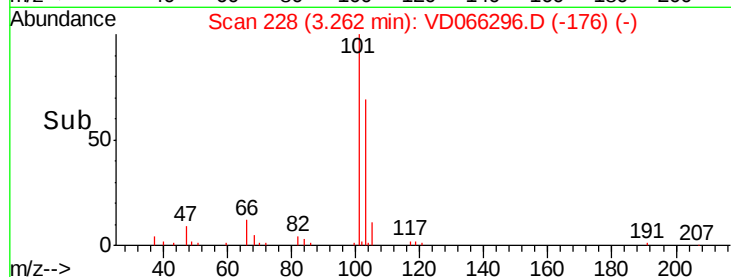
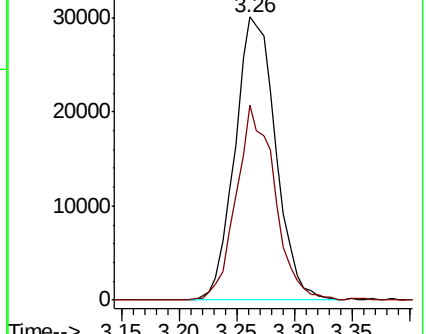
101 100

103 68.7 53.0 79.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.731 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066296.D

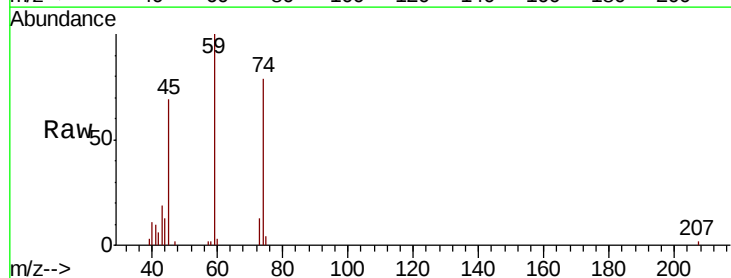
Acq: 19 Aug 2020 01:46

Tgt Ion: 74 Resp: 20902

Ion Ratio Lower Upper

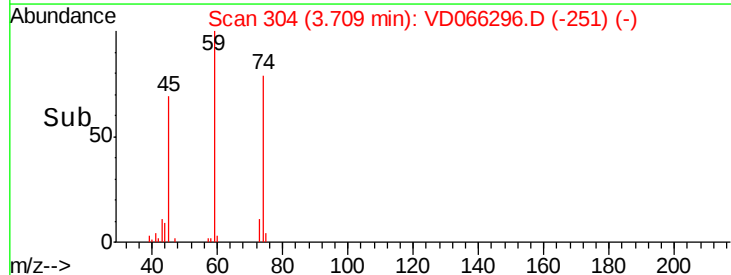
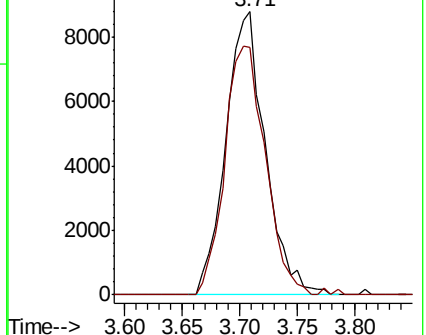
74 100

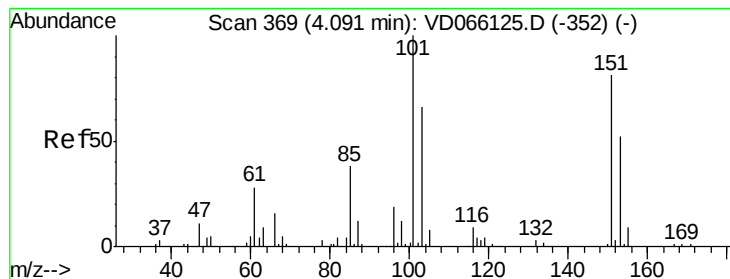
45 90.3 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.432 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

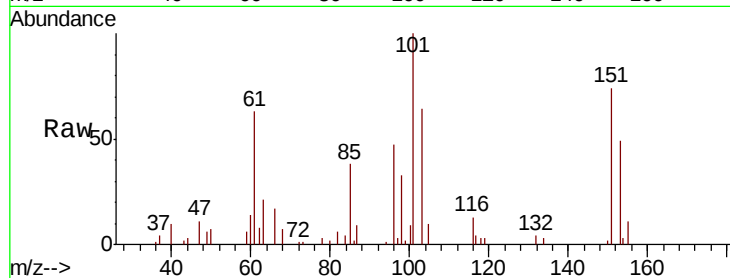
Tot Ion:101 Resp: 41208

Ion Ratio Lower Upper

101 100

85 44.9 33.5 50.3

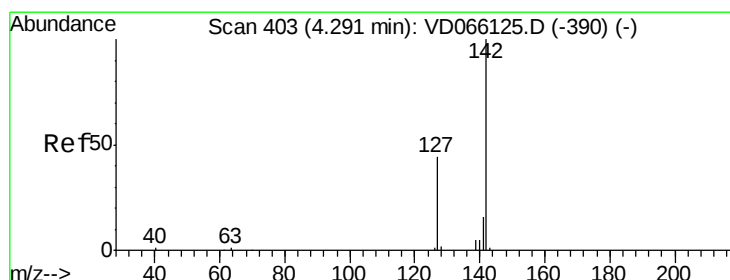
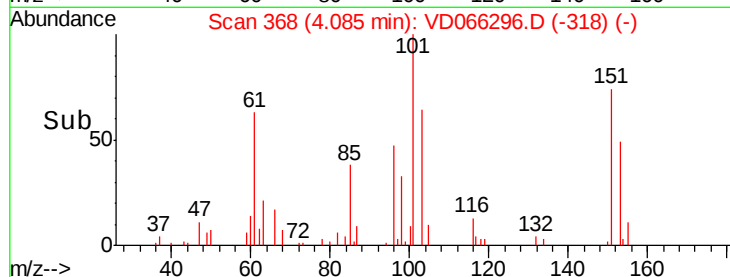
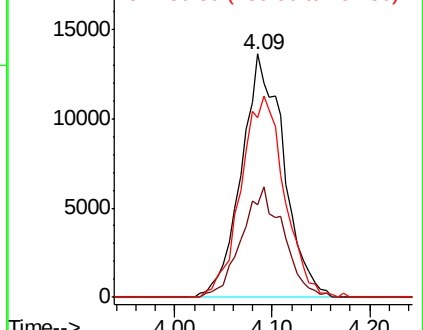
151 84.9 67.8 101.8



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: 24.650 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

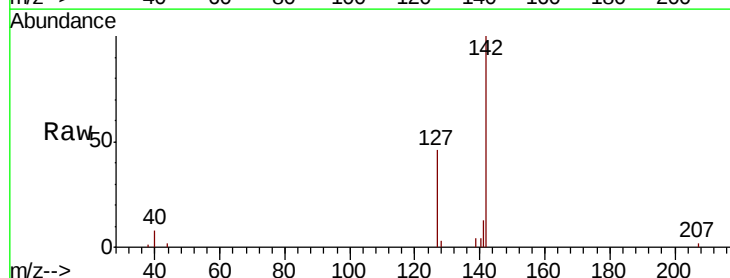
Tgt Ion:142 Resp: 40003

Ion Ratio Lower Upper

142 100

127 49.6 36.2 54.4

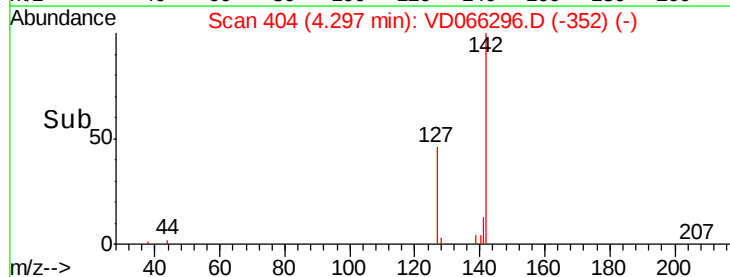
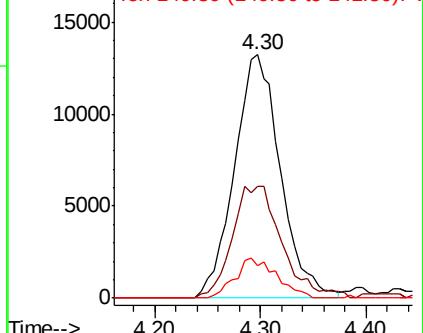
141 14.8 12.6 18.8

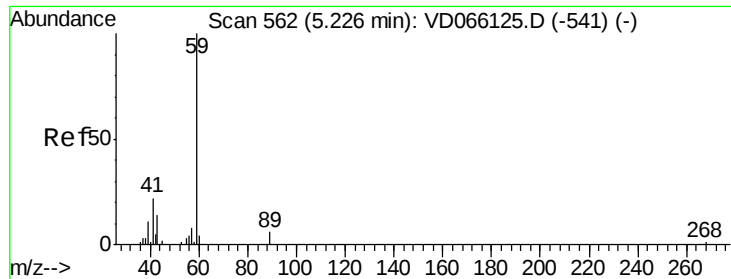


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



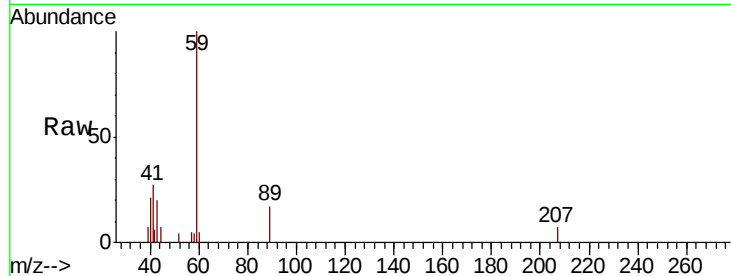


#11

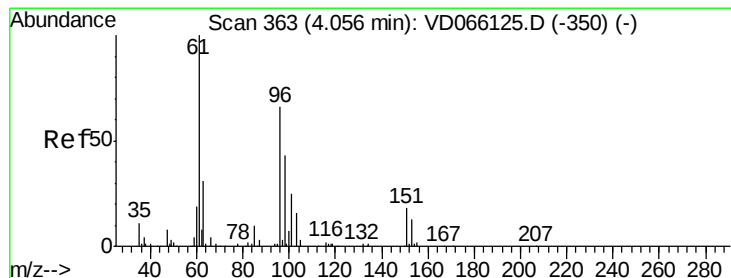
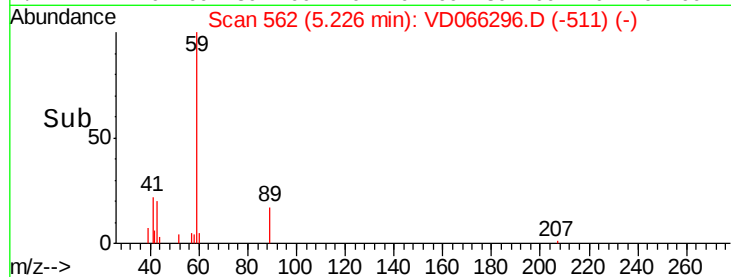
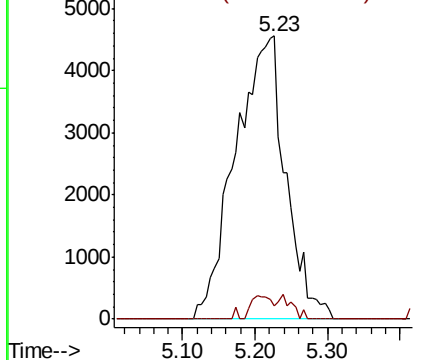
Tert butyl alcohol
 Concen: 127.809 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion: 59 Resp: 22027
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#



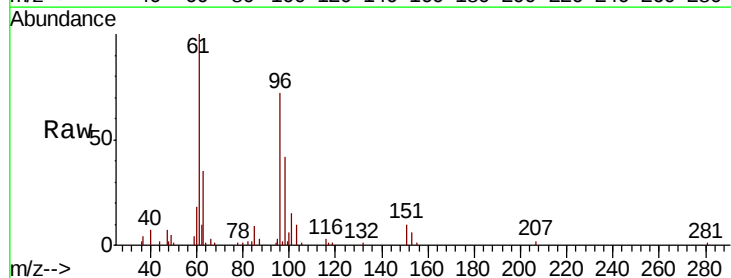
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



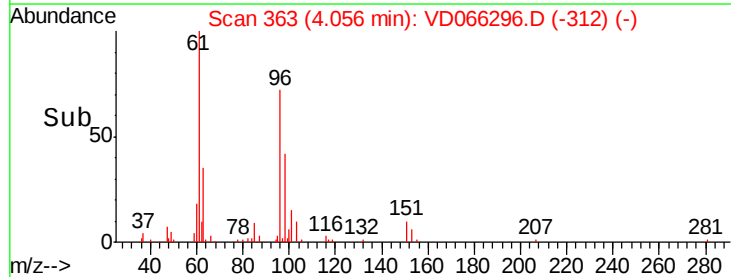
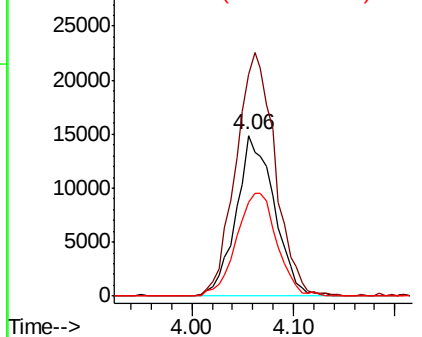
#12

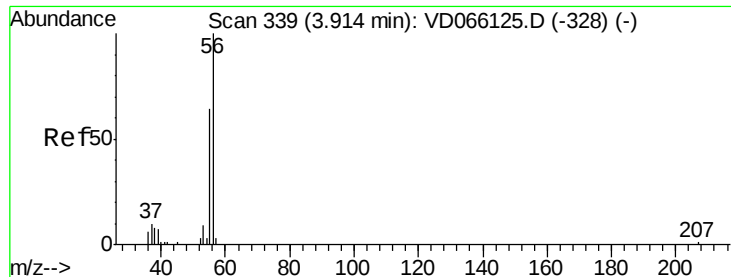
1,1-Dichloroethene
 Concen: 19.395 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

Tgt Ion: 96 Resp: 38799
 Ion Ratio Lower Upper
 96 100
 61 138.3 121.6 182.4
 98 58.3 52.0 78.0



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





#13

Acrolein

Concen: 52.864 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

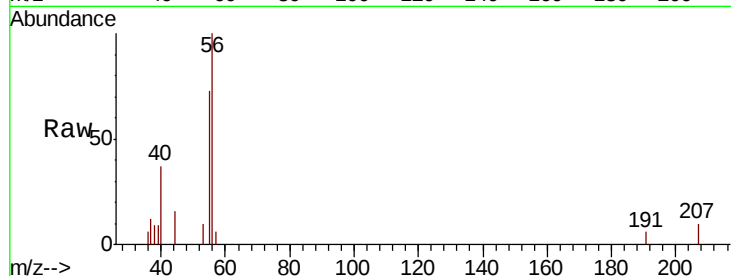
VD0818SBS02

Tot Ion: 56 Resp: 8480

Ion Ratio Lower Upper

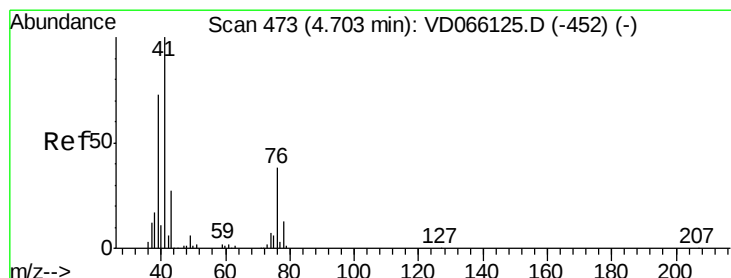
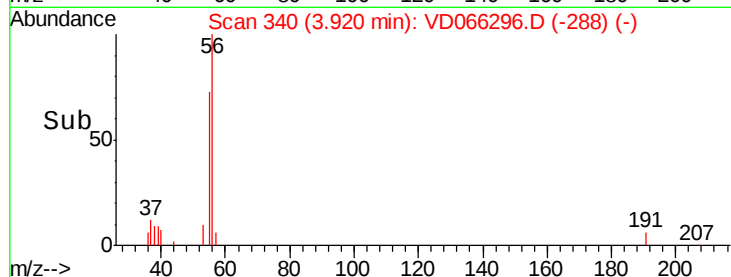
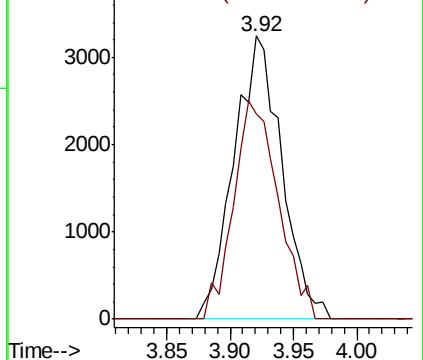
56 100

55 72.4 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.780 ug/l

RT: 4.70 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

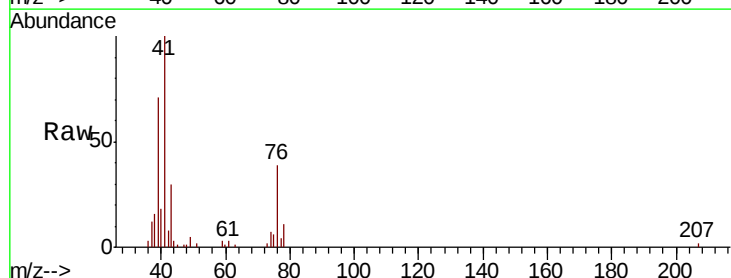
Tgt Ion: 41 Resp: 56917

Ion Ratio Lower Upper

41 100

39 76.9 57.4 86.0

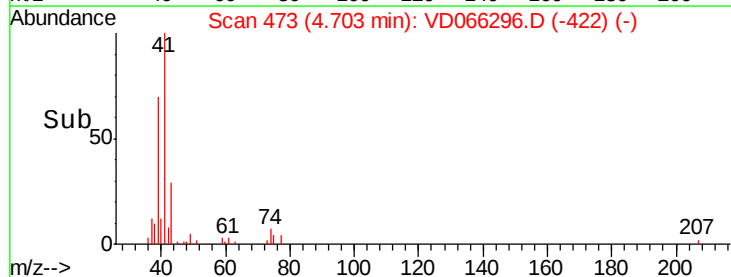
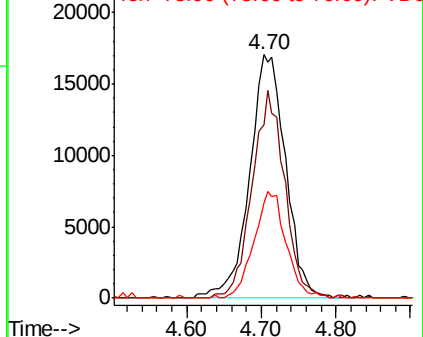
76 39.2 30.1 45.1

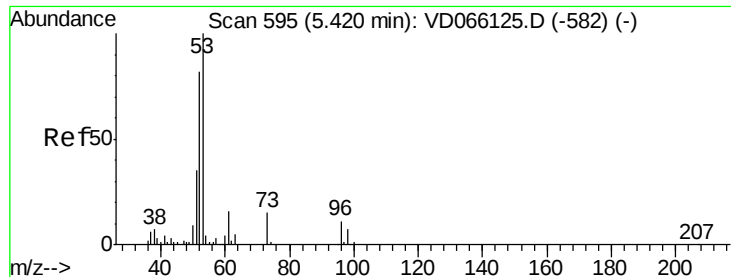


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 106.996 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

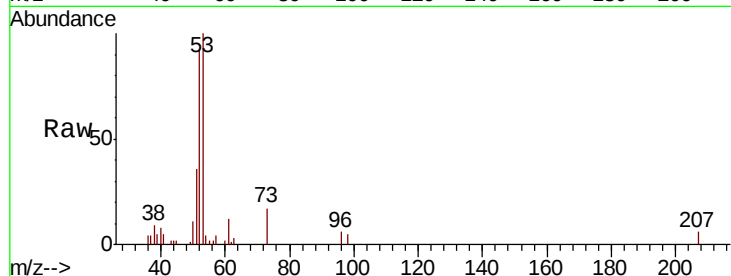
Tot Ion: 53 Resp: 45459

Ion Ratio Lower Upper

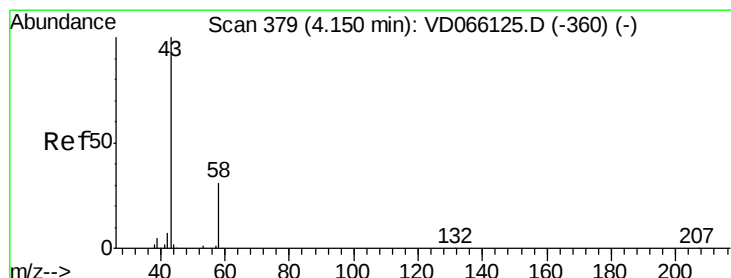
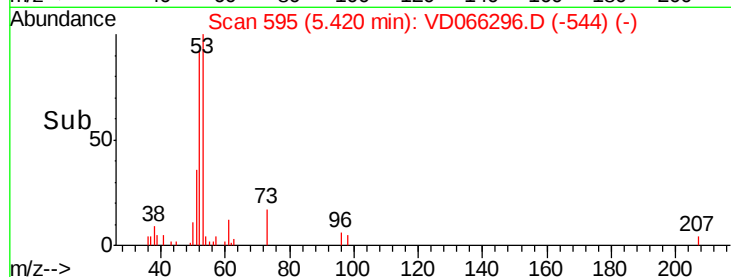
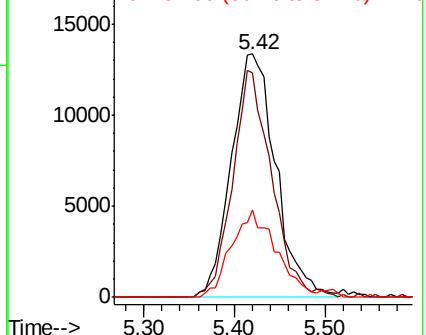
53 100

52 82.2 66.1 99.1

51 36.1 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: 95.645 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066296.D

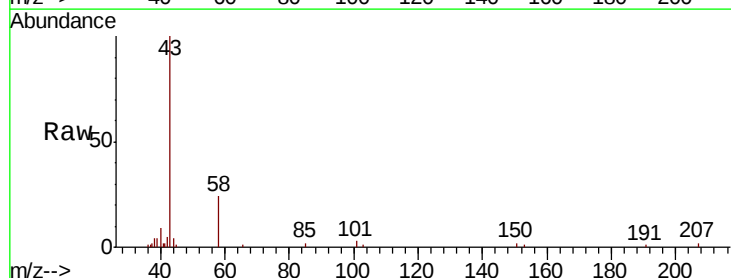
Acq: 19 Aug 2020 01:46

Tgt Ion: 43 Resp: 36573

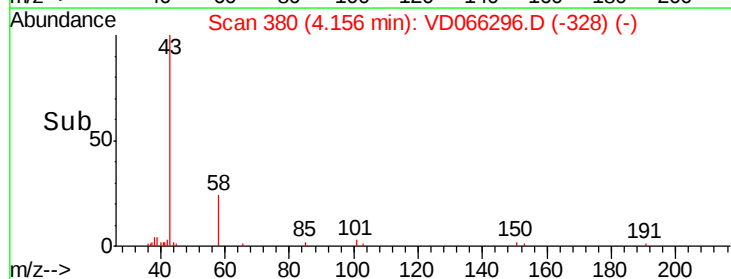
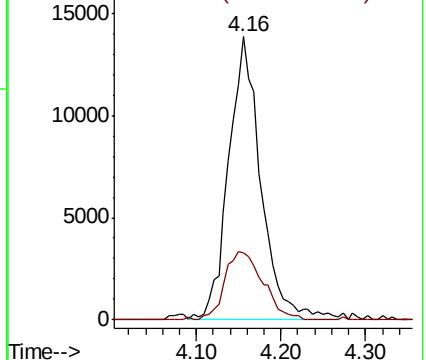
Ion Ratio Lower Upper

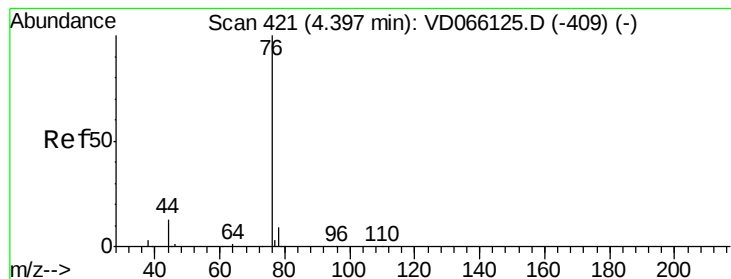
43 100

58 23.7 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: 17.798 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

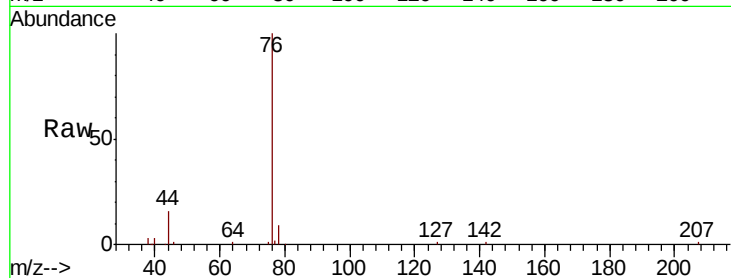
VD0818SBS02

Tot Ion: 76 Resp: 113205

Ion Ratio Lower Upper

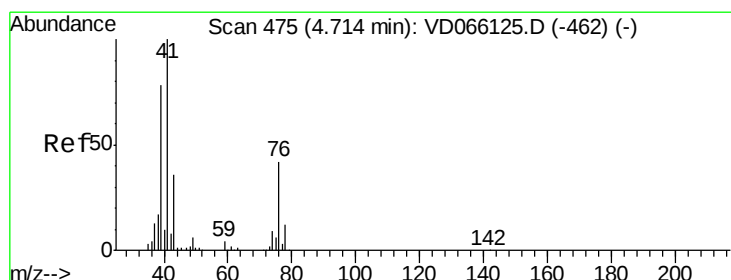
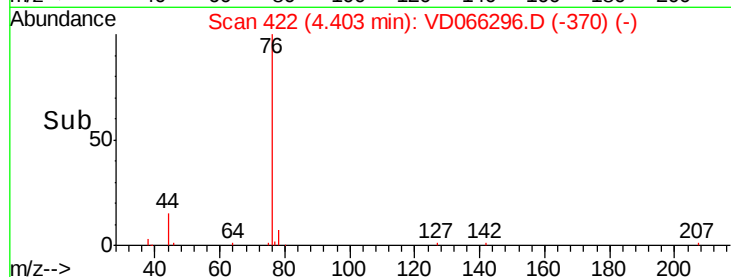
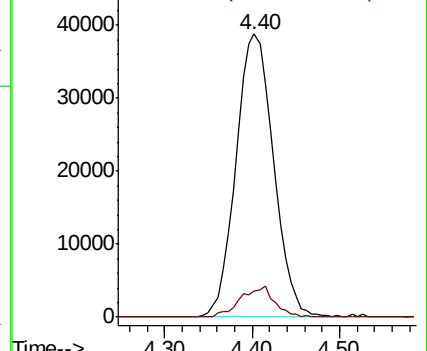
76 100

78 9.2 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: 21.782 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066296.D

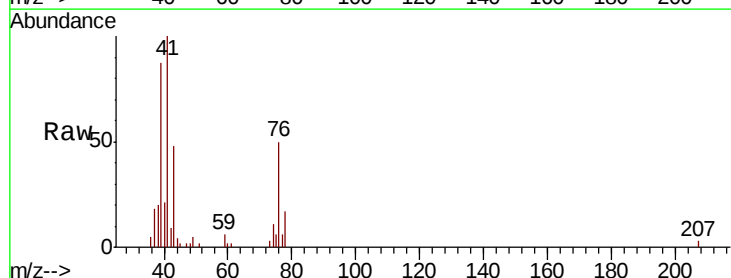
Acq: 19 Aug 2020 01:46

Tgt Ion: 43 Resp: 21156

Ion Ratio Lower Upper

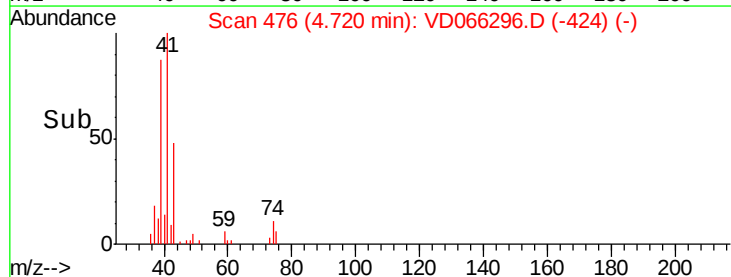
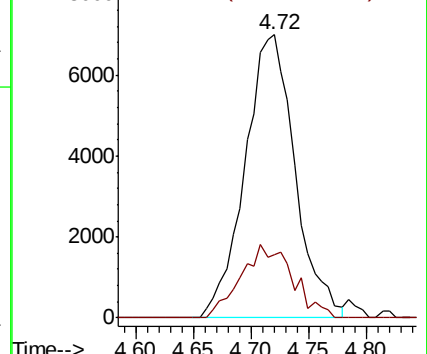
43 100

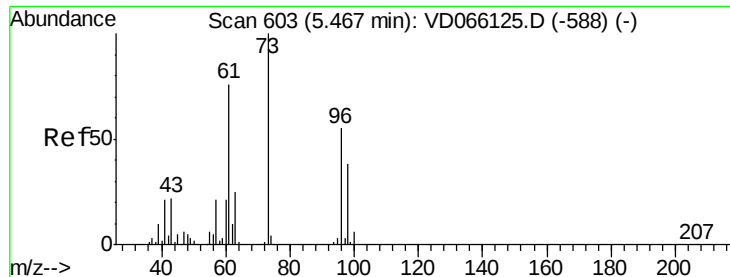
74 26.8 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

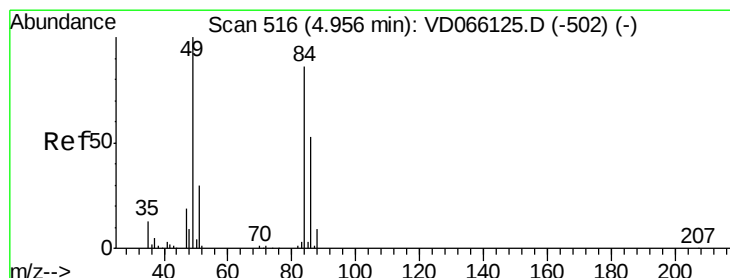
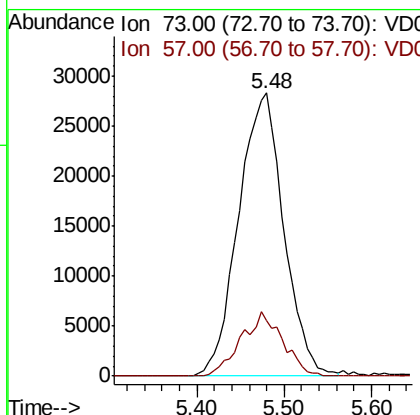
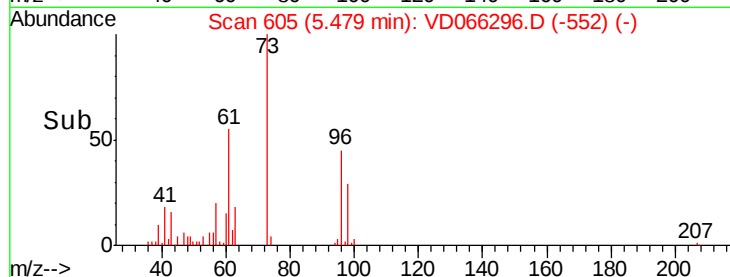
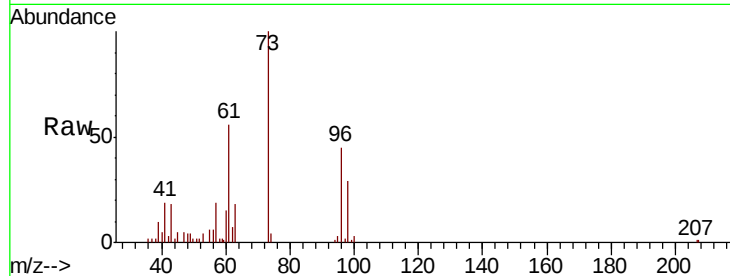




#19
Methyl tert-butyl Ether
Concen: 21.793 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

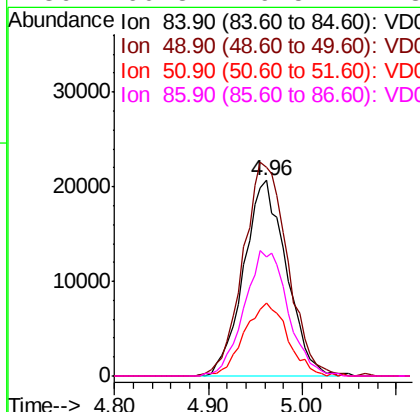
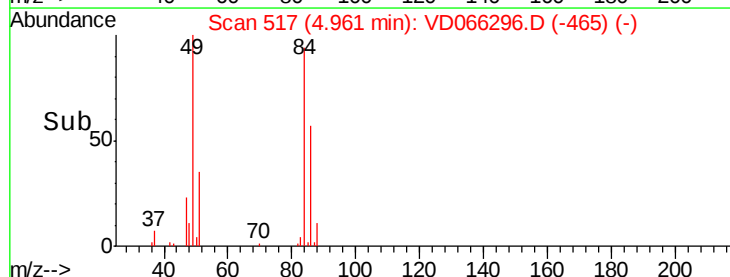
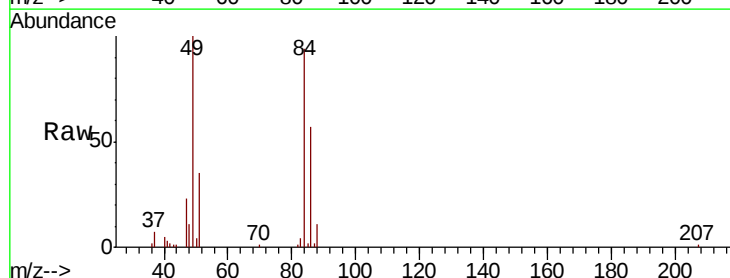
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

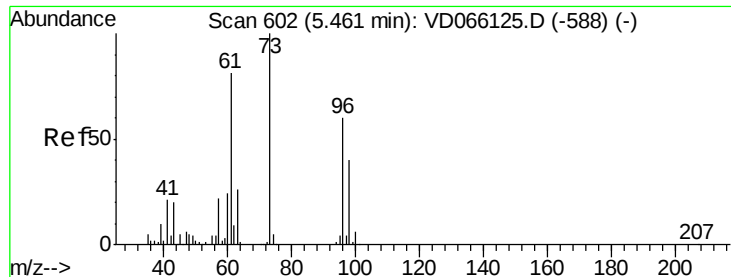
Tot Ion: 73 Resp: 99926
Ion Ratio Lower Upper
73 100
57 19.4 17.1 25.7



#20
Methylene Chloride
Concen: 27.373 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion: 84 Resp: 64746
Ion Ratio Lower Upper
84 100
49 106.9 93.5 140.3
51 37.4 28.2 42.4
86 60.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.096 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

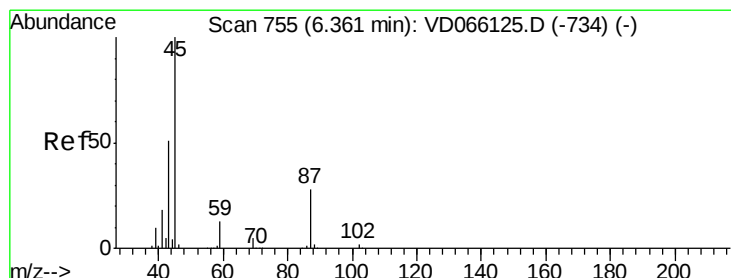
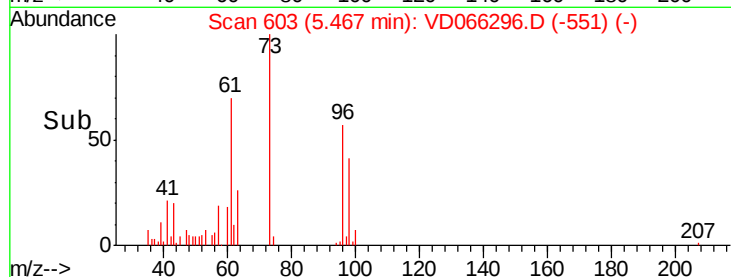
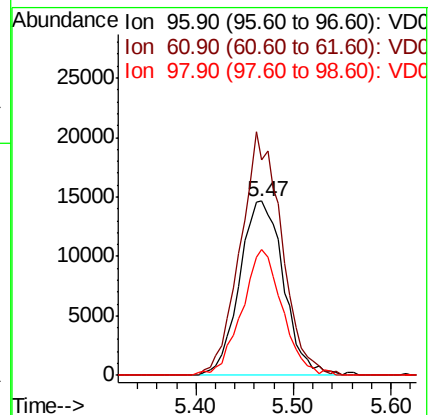
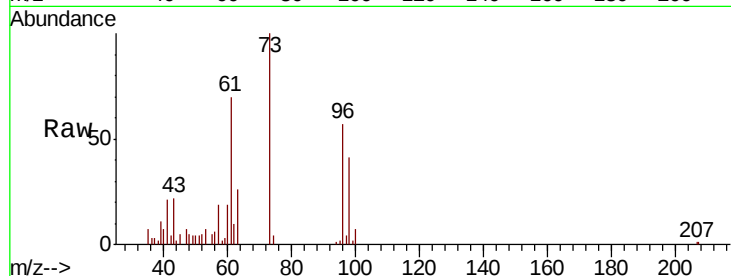
Tot Ion: 96 Resp: 46183

Ion Ratio Lower Upper

96 100

61 123.8 106.9 160.3

98 72.1 53.4 80.0



#22

Diisopropyl ether

Concen: 19.935 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Tgt Ion: 45 Resp: 119474

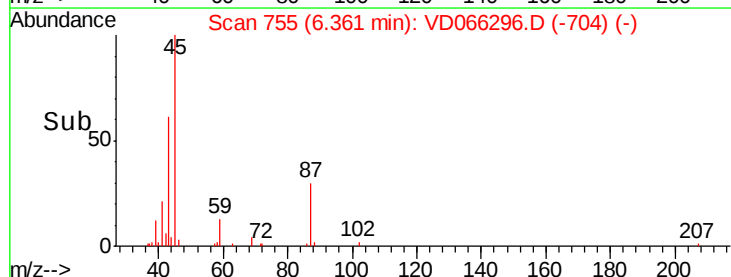
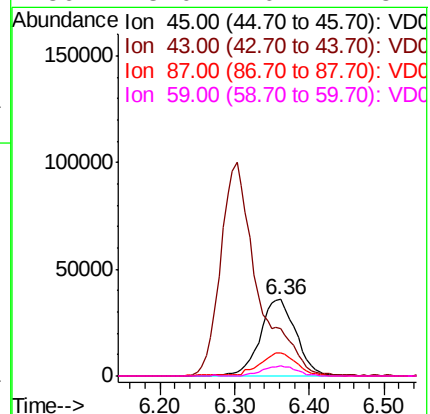
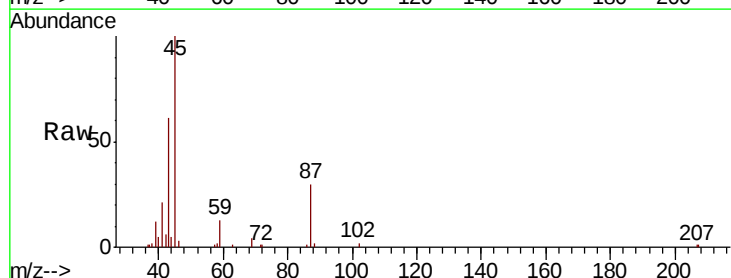
Ion Ratio Lower Upper

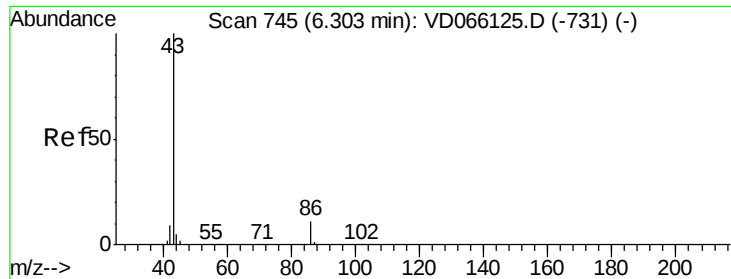
45 100

43 60.1 41.2 61.8

87 30.3 22.8 34.2

59 13.0 10.2 15.2

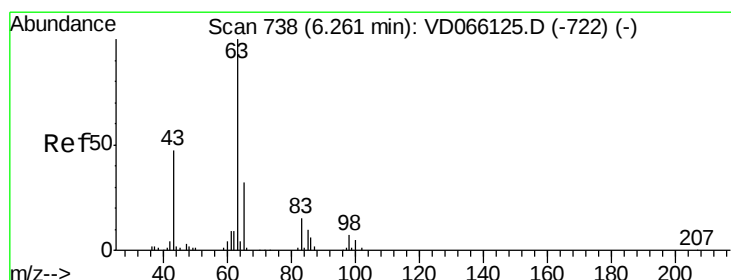
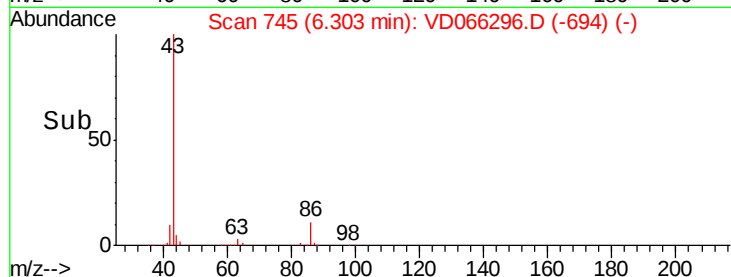
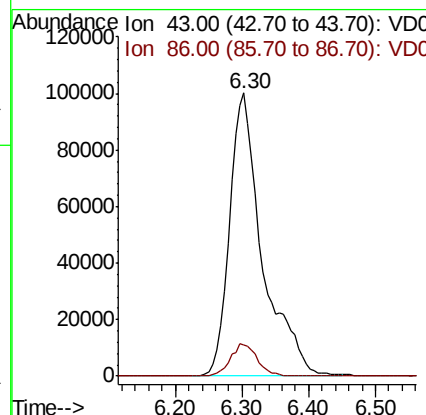
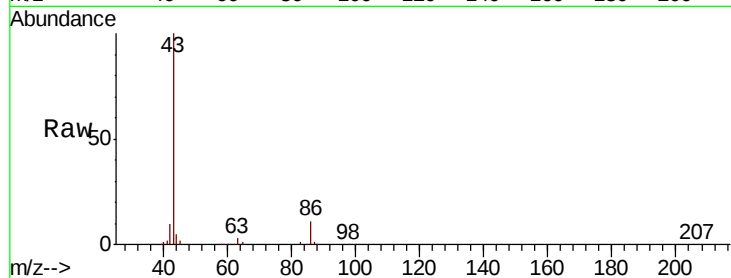




#23
 Vinyl Acetate
 Concen: 98.474 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

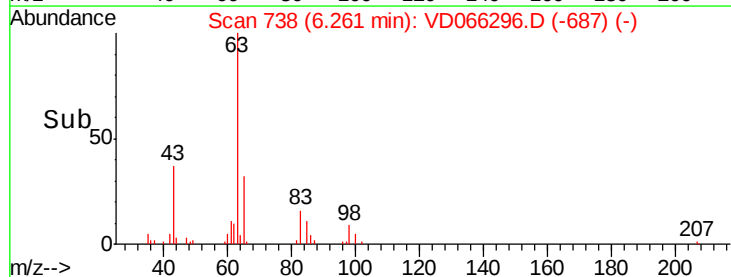
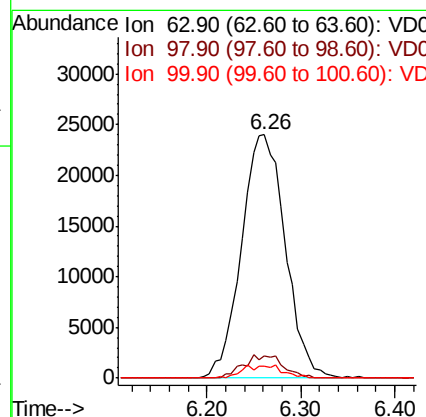
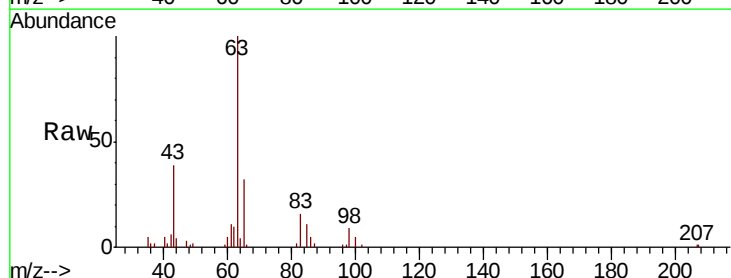
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0818SBS02

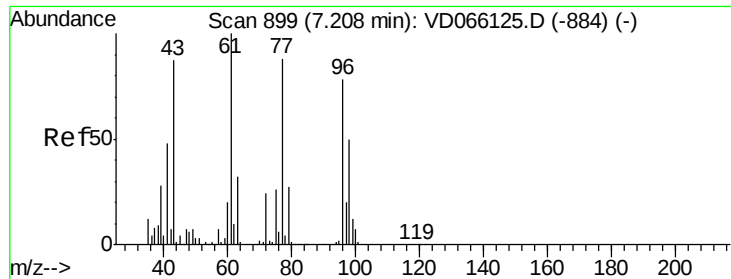
Tot Ion: 43 Resp: 345751
 Ion Ratio Lower Upper
 43 100
 86 10.9 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 20.892 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

Tgt Ion: 63 Resp: 77490
 Ion Ratio Lower Upper
 63 100
 98 9.0 3.5 10.5
 100 4.7 2.4 7.2





#25

2-Butanone

Concen: 96.636 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

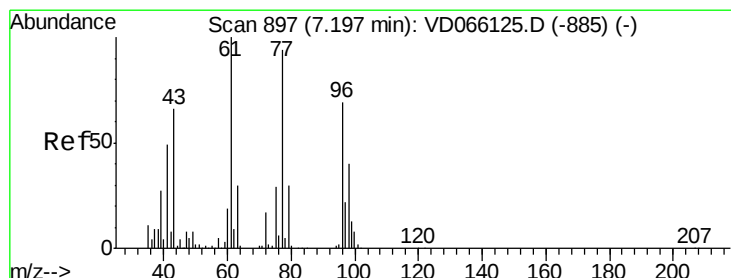
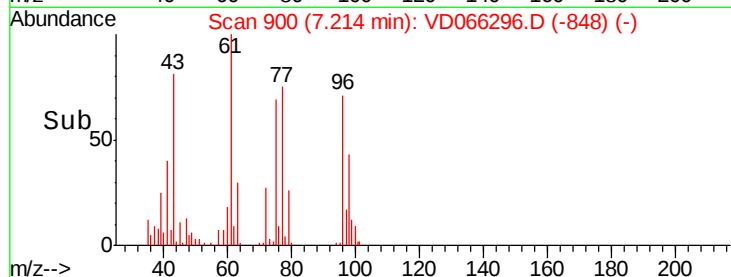
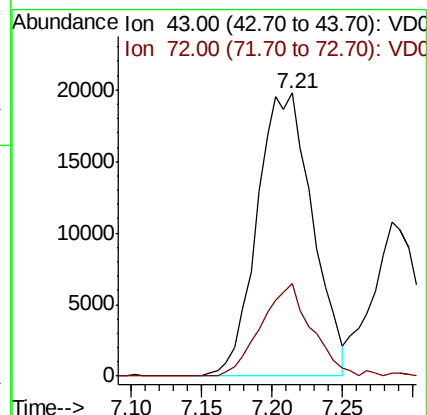
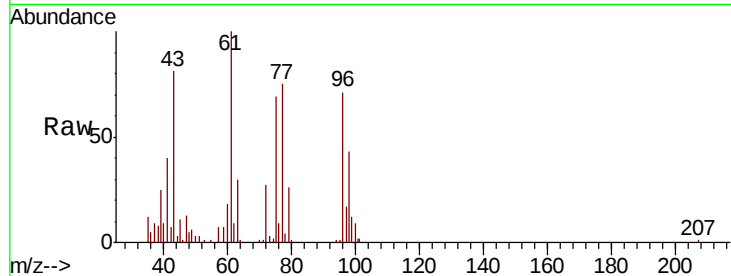
VD0818SBS02

Tot Ion: 43 Resp: 54349

Ion Ratio Lower Upper

43 100

72 32.8 22.2 33.2



#26

2,2-Dichloropropane

Concen: 19.189 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066296.D

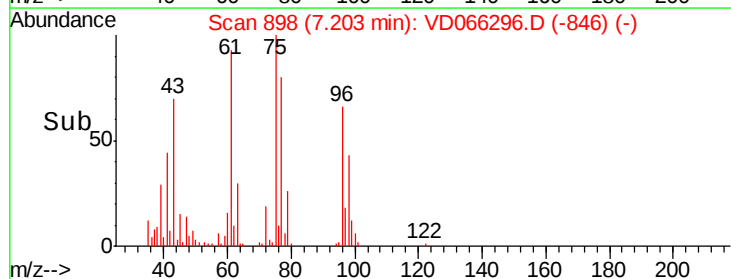
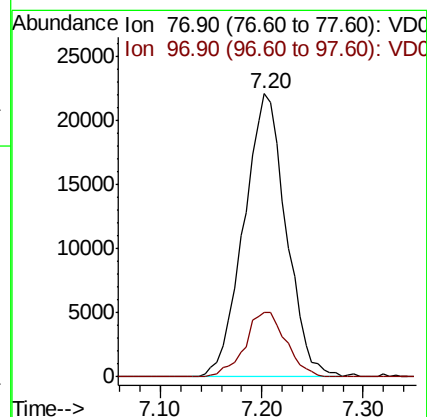
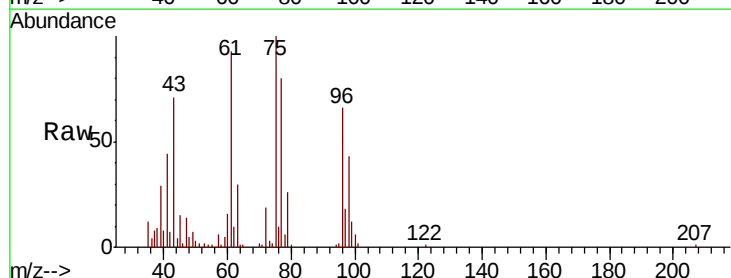
Acq: 19 Aug 2020 01:46

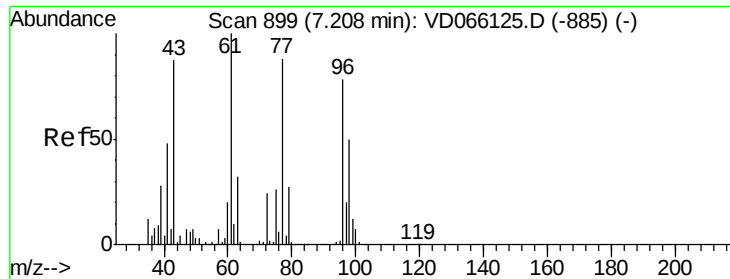
Tgt Ion: 77 Resp: 63790

Ion Ratio Lower Upper

77 100

97 22.2 11.8 35.3



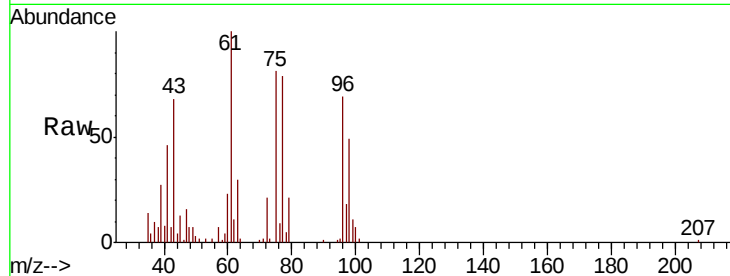


#27

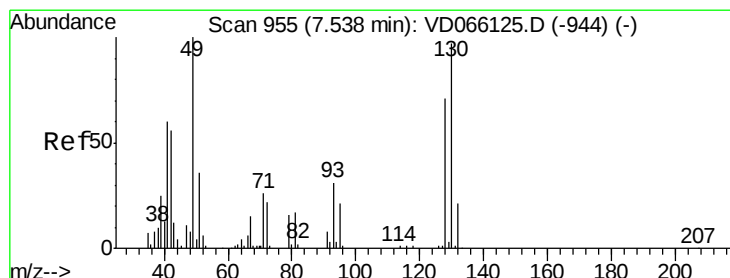
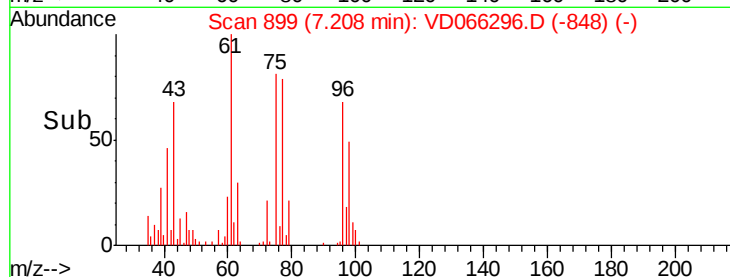
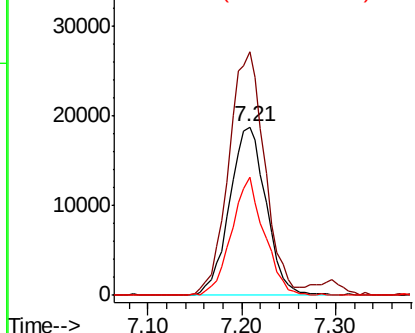
cis-1,2-Dichloroethene
Concen: 21.052 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion: 96 Resp: 50744
Ion Ratio Lower Upper
96 100
61 142.9 0.0 281.6
98 62.6 0.0 130.8



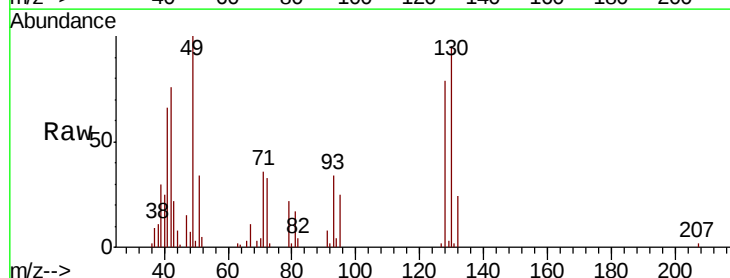
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



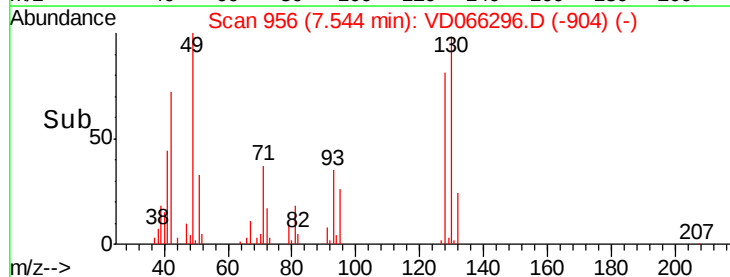
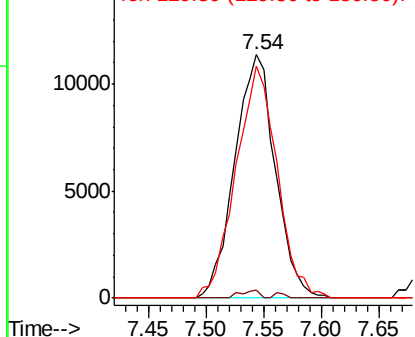
#28

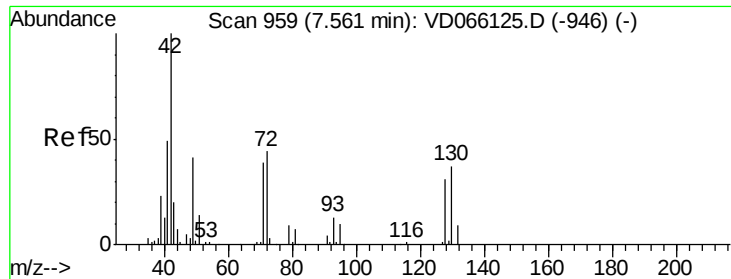
Bromochloromethane
Concen: 21.371 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion: 49 Resp: 27840
Ion Ratio Lower Upper
49 100
129 1.4 0.0 6.0
130 96.6 73.8 110.6



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

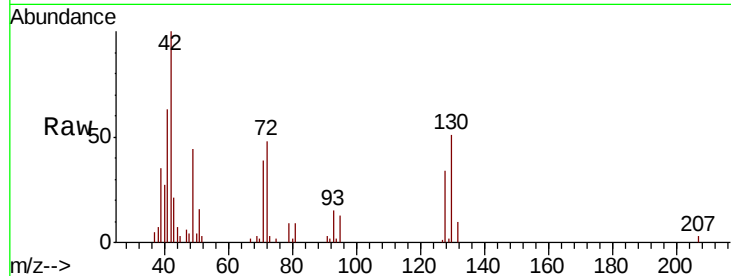




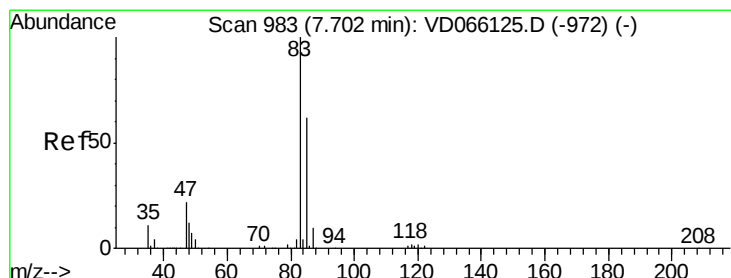
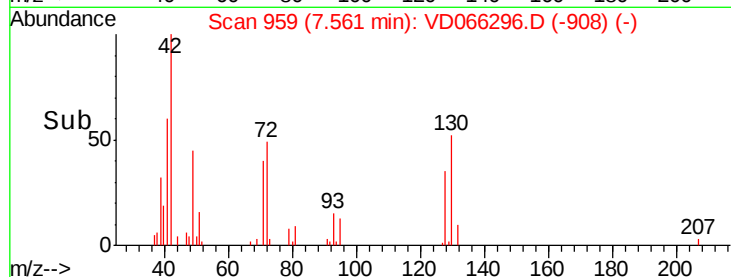
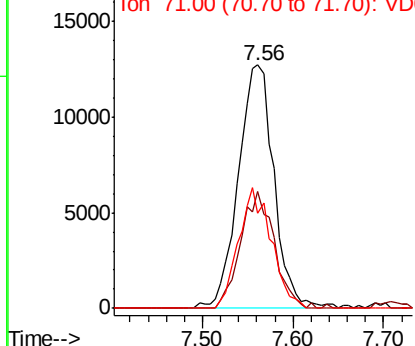
#29
Tetrahydrofuran
Concen: 99.653 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion: 42 Resp: 34724
Ion Ratio Lower Upper
42 100
72 45.0 34.8 52.2
71 45.3 33.5 50.3

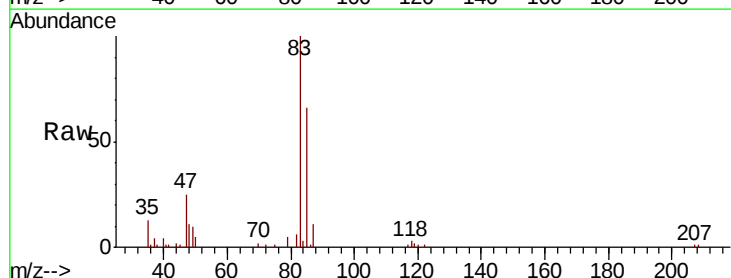


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

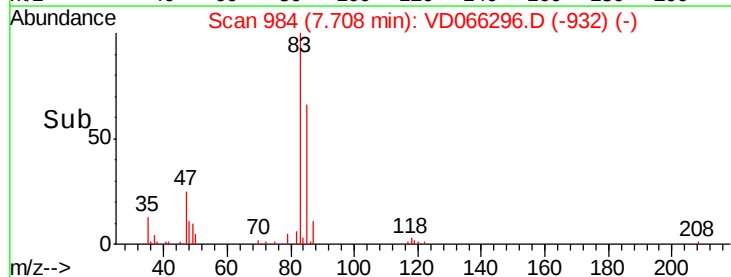
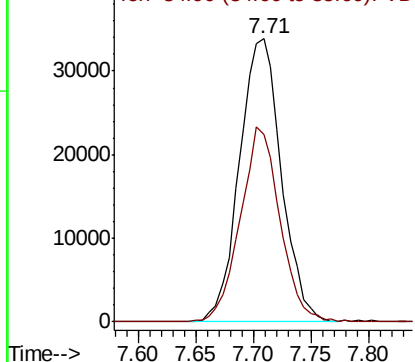


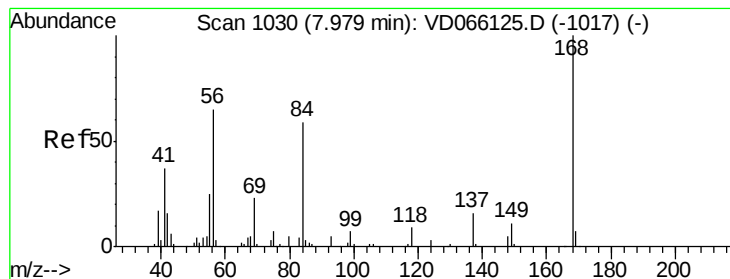
#30
Chloroform
Concen: 21.936 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion: 83 Resp: 85431
Ion Ratio Lower Upper
83 100
85 66.1 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: 17.322 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

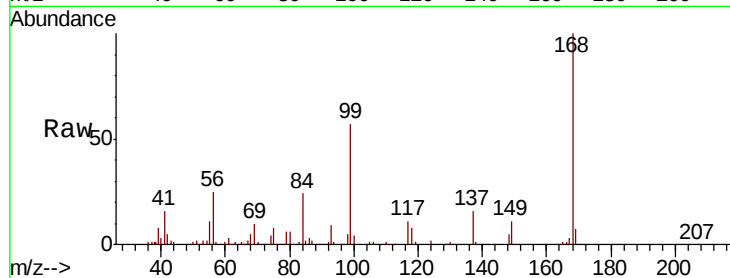
Tot Ion: 56 Resp: 61156

Ion Ratio Lower Upper

56 100

69 39.3 28.8 43.2

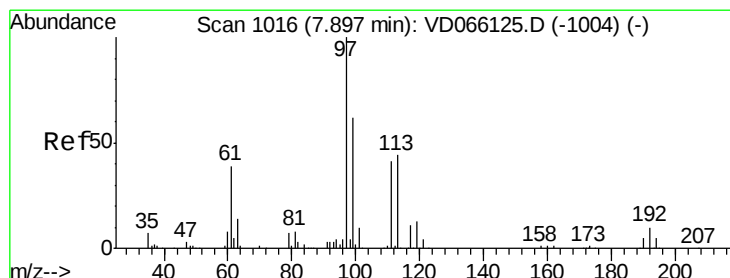
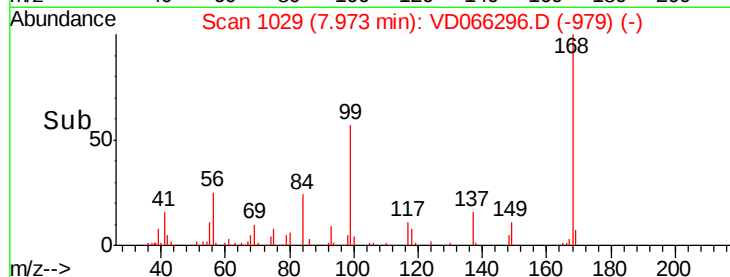
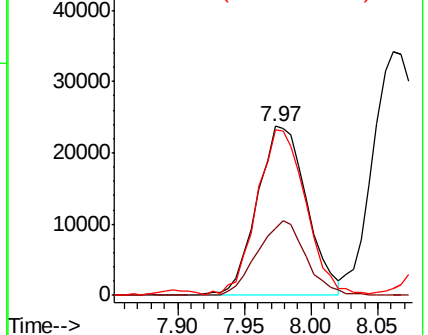
84 95.4 73.0 109.6



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: 21.733 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

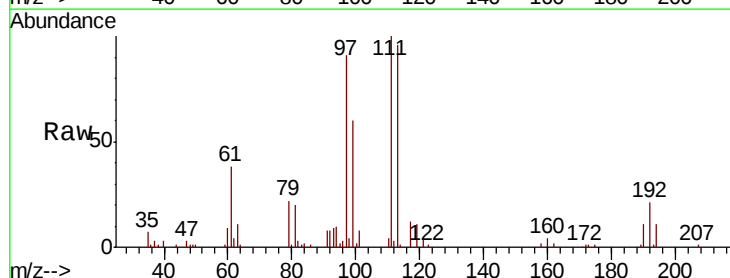
Tgt Ion: 97 Resp: 79361

Ion Ratio Lower Upper

97 100

99 63.4 51.1 76.7

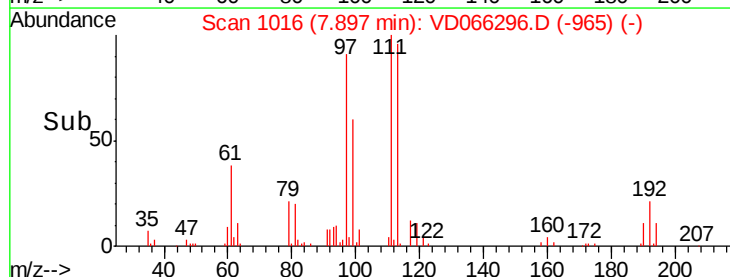
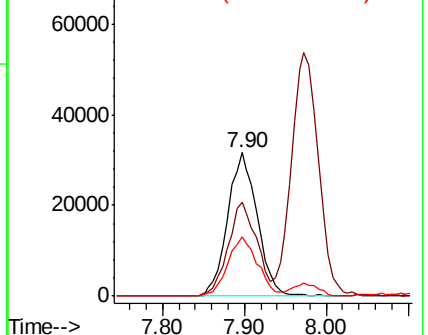
61 41.8 32.7 49.1

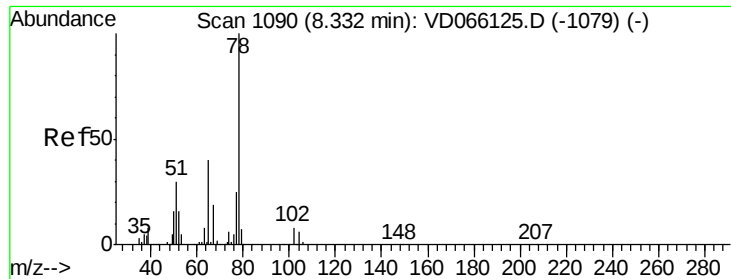


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 62.308 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

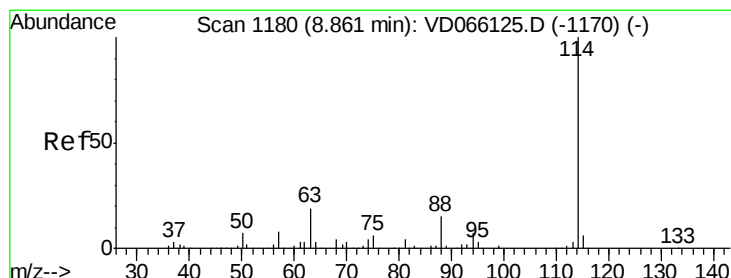
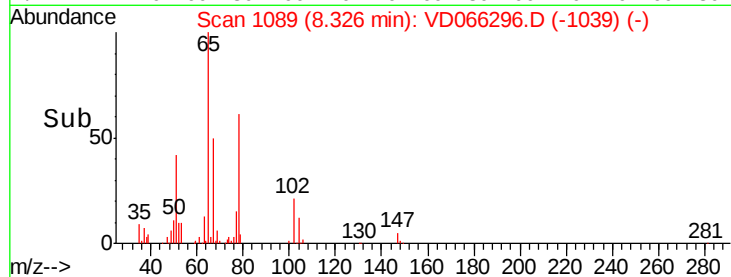
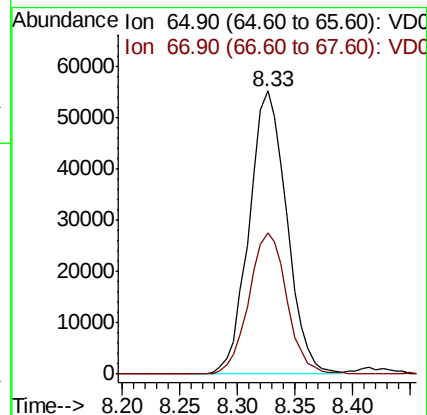
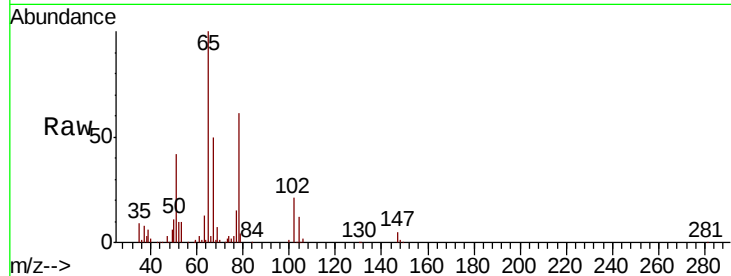
VD0818SBS02

Tot Ion: 65 Resp: 125568

Ion Ratio Lower Upper

65 100

67 50.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

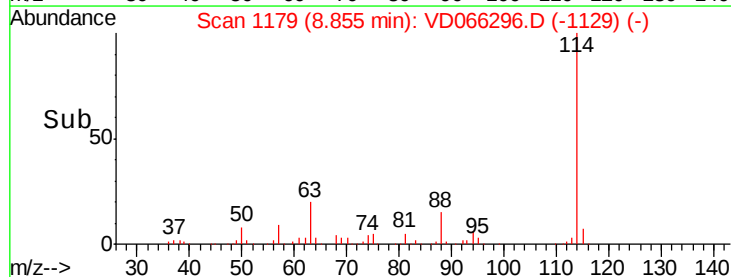
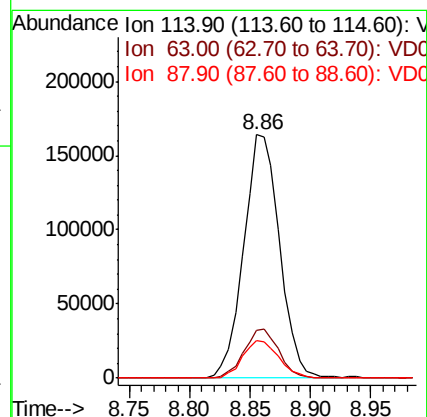
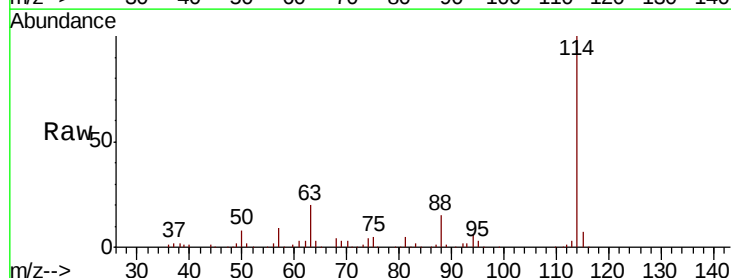
Tgt Ion: 114 Resp: 340029

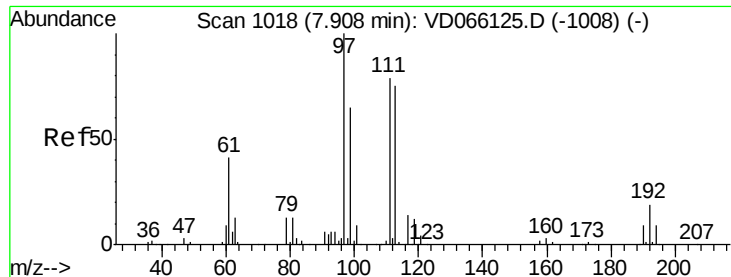
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.3 0.0 30.0

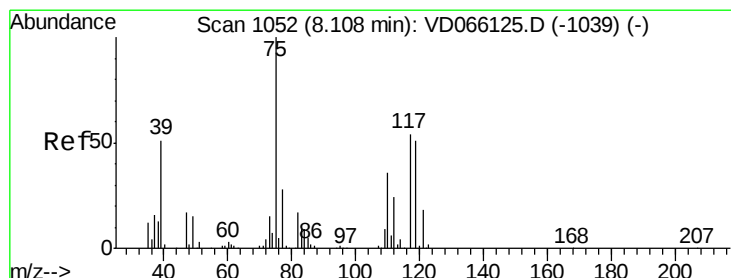
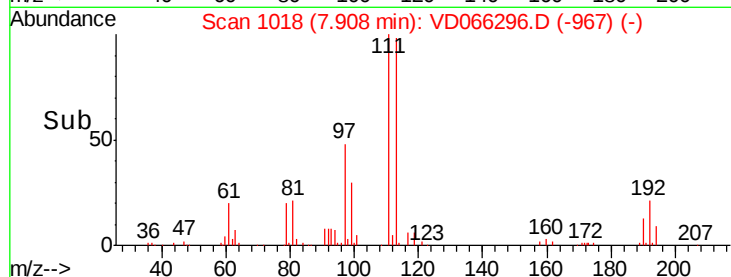
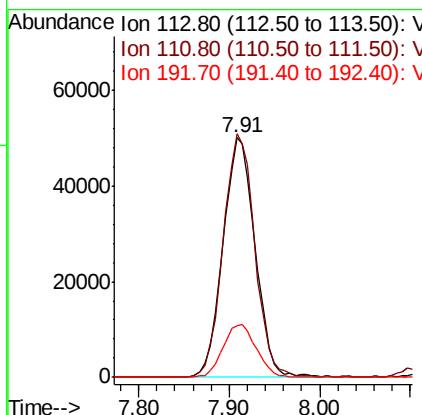
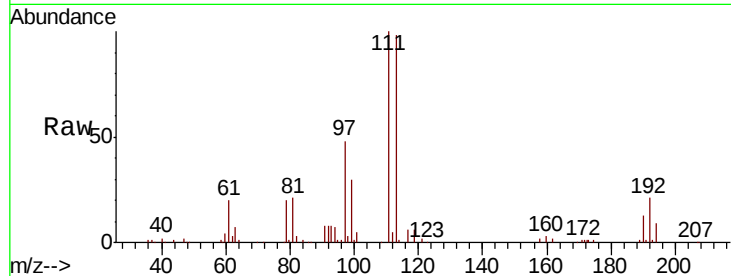




#35
 Dibromofluoromethane
 Concen: 57.143 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

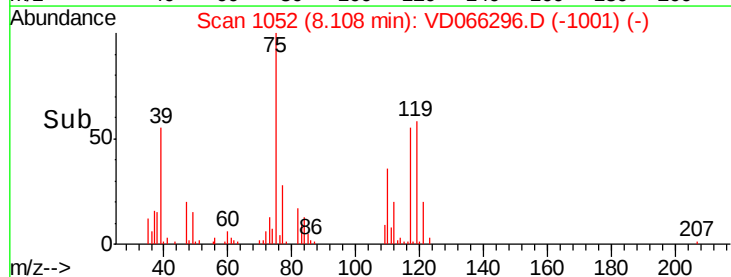
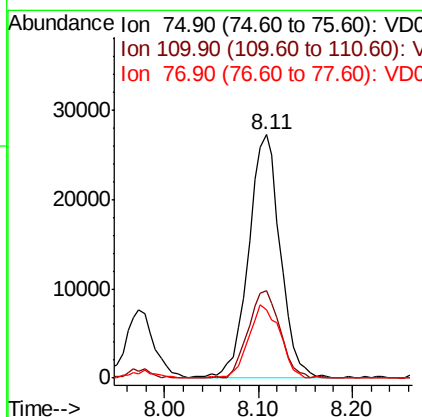
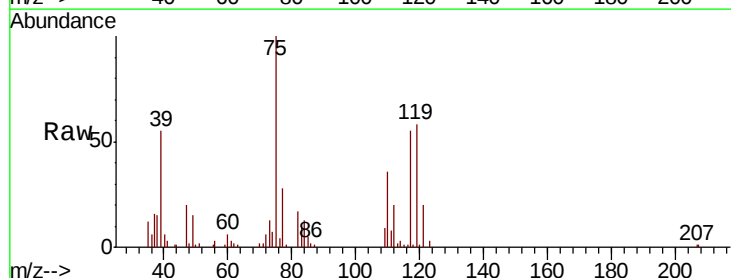
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion:113 Resp: 123088
 Ion Ratio Lower Upper
 113 100
 111 100.0 80.7 121.1
 192 22.8 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 19.916 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

Tgt Ion: 75 Resp: 63636
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.8 56.3
 77 29.6 24.2 36.2

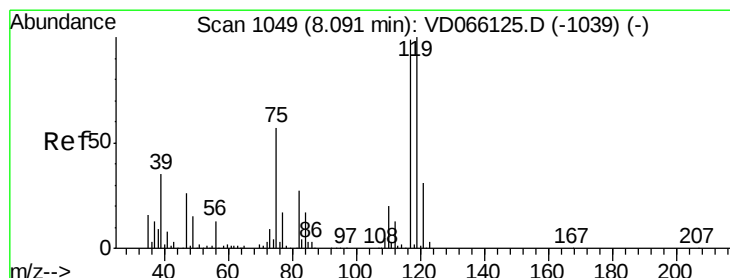
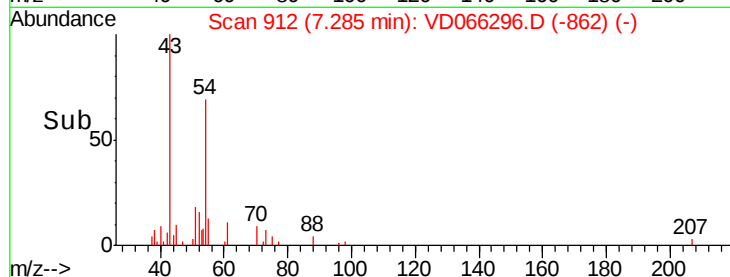
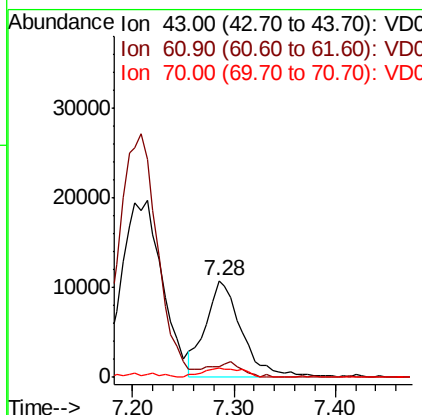
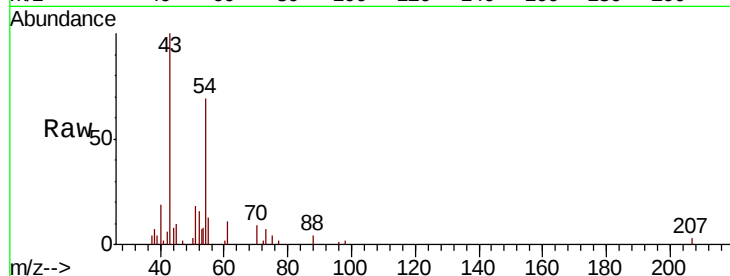




#37
Ethyl Acetate
Concen: 21.165 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

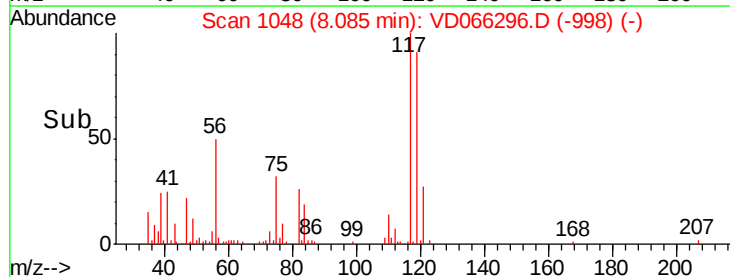
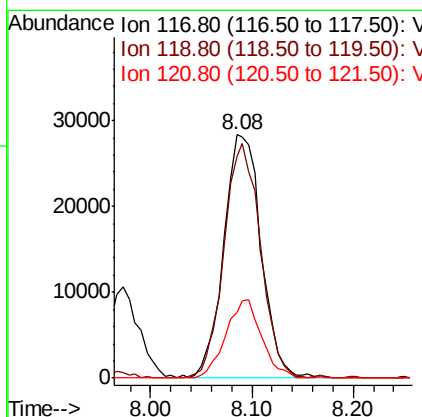
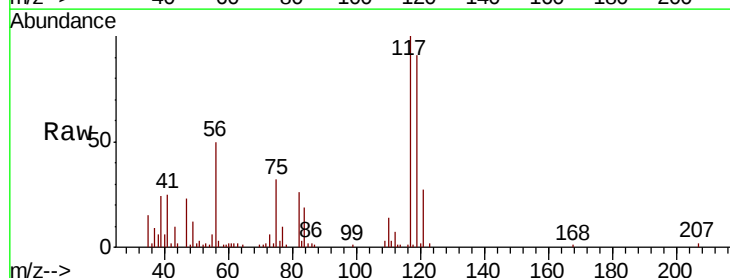
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

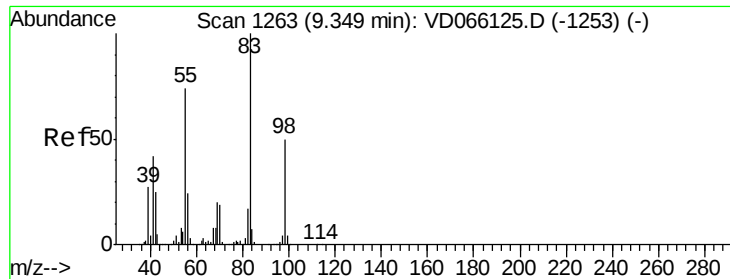
Tot Ion: 43 Resp: 26795
Ion Ratio Lower Upper
43 100
61 14.2 12.0 18.0
70 10.6 9.7 14.5



#38
Carbon Tetrachloride
Concen: 20.362 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion: 117 Resp: 72555
Ion Ratio Lower Upper
117 100
119 91.2 81.0 121.4
121 27.2 24.8 37.2

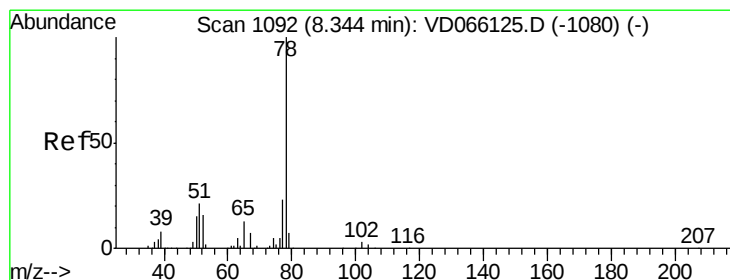
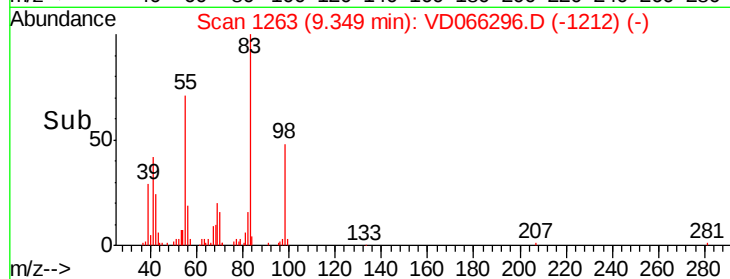
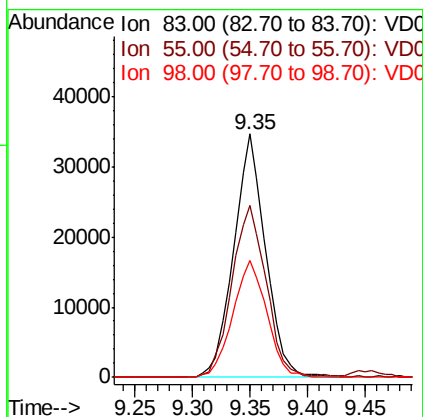
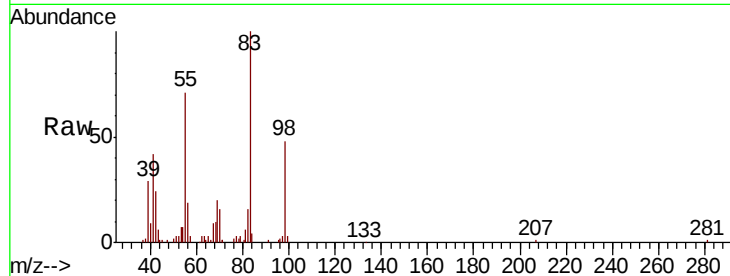




#39
Methvlcvclohexane
Concen: 17.172 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

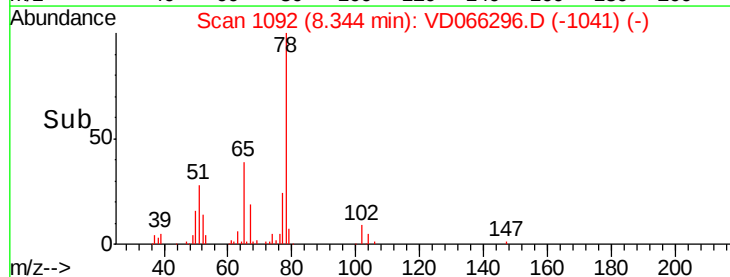
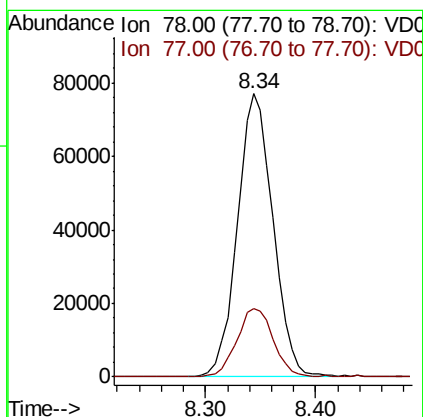
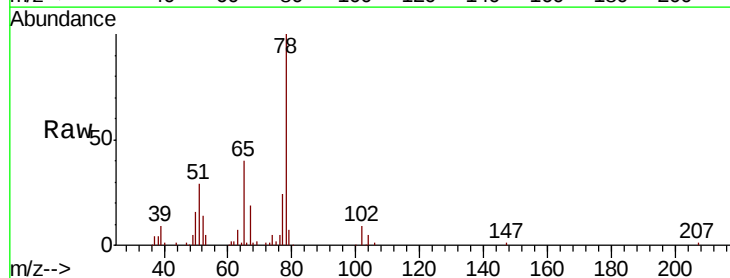
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

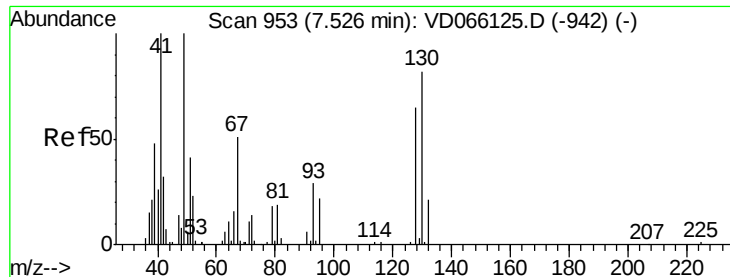
Tot Ion: 83 Resp: 66326
Ion Ratio Lower Upper
83 100
55 70.7 59.2 88.8
98 48.1 39.8 59.6



#40
Benzene
Concen: 19.639 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion: 78 Resp: 174081
Ion Ratio Lower Upper
78 100
77 24.2 18.6 27.8





#41

Methacrylonitrile

Concen: 17.208 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

Tot Ion: 41 Resp: 12809

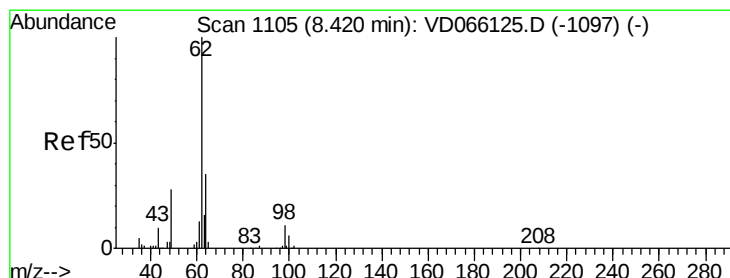
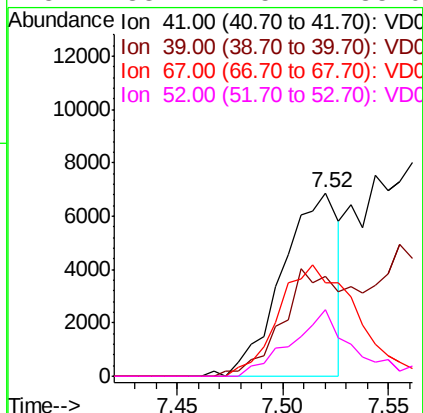
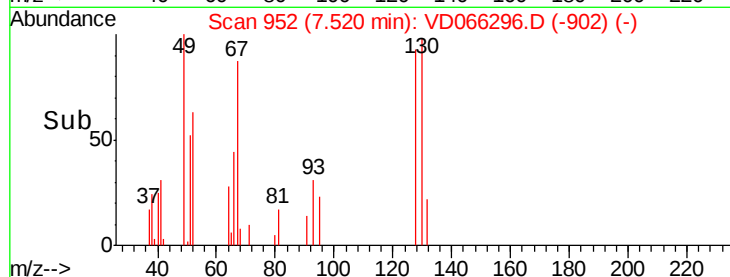
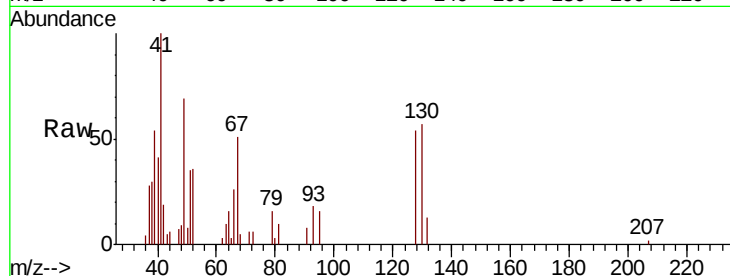
Ion Ratio Lower Upper

41 100

39 73.4 47.5 71.3#

67 82.5 59.1 88.7

52 38.4 25.4 38.0#



#42

1,2-Dichloroethane

Concen: 21.681 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066296.D

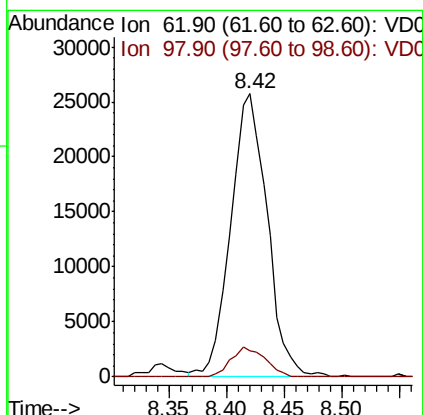
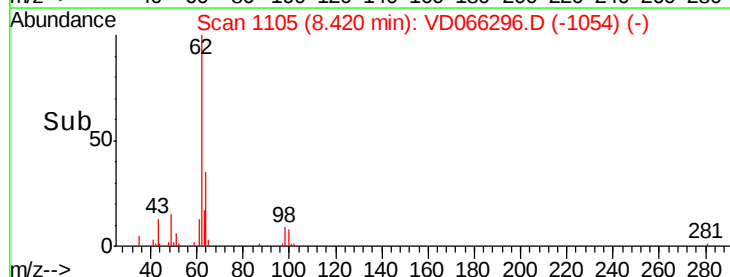
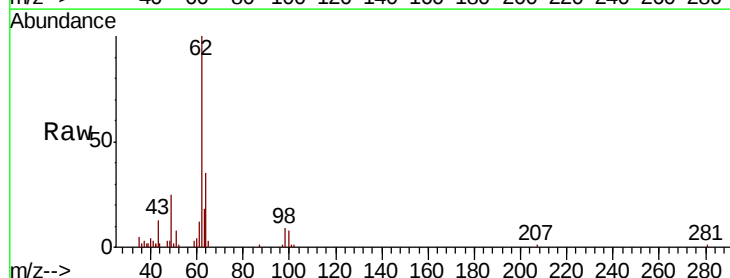
Acq: 19 Aug 2020 01:46

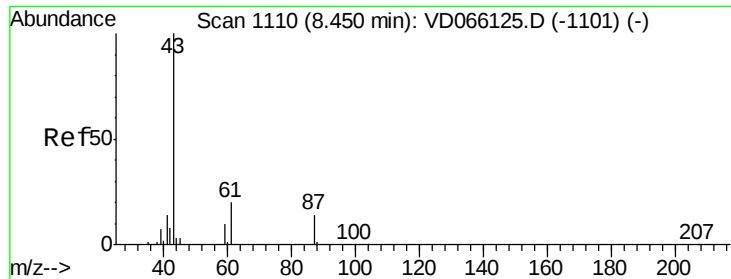
Tgt Ion: 62 Resp: 56457

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.4





#43

Isopropyl Acetate

Concen: 19.748 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

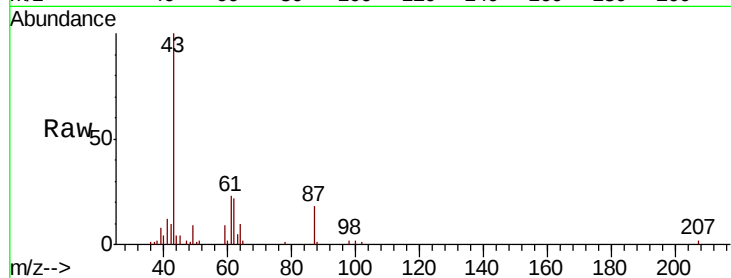
Tot Ion: 43 Resp: 49258

Ion Ratio Lower Upper

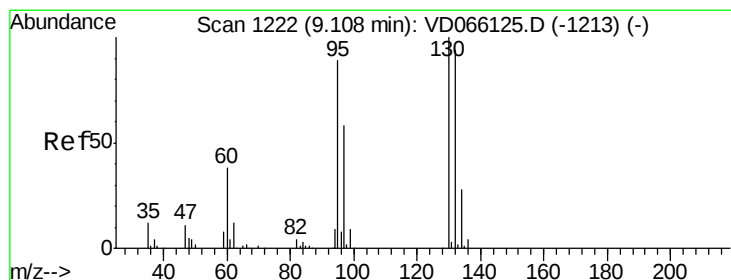
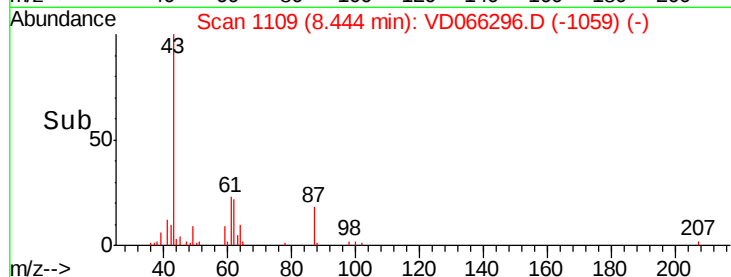
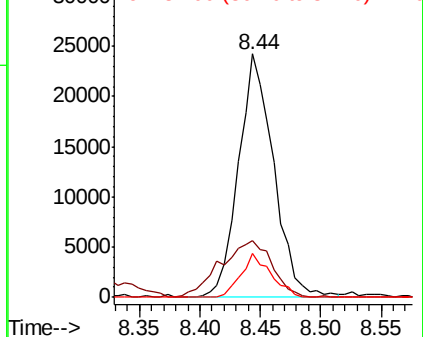
43 100

61 33.9 25.5 38.3

87 15.4 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: 20.105 ug/l

RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD066296.D

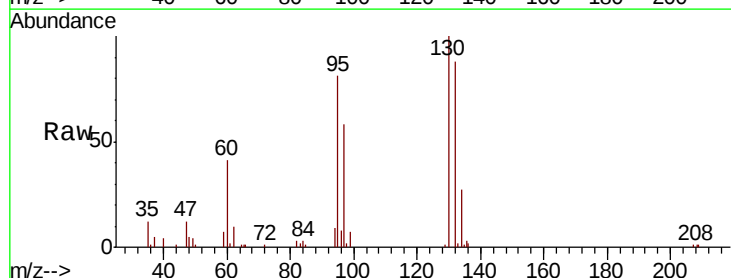
Acq: 19 Aug 2020 01:46

Tgt Ion: 130 Resp: 53701

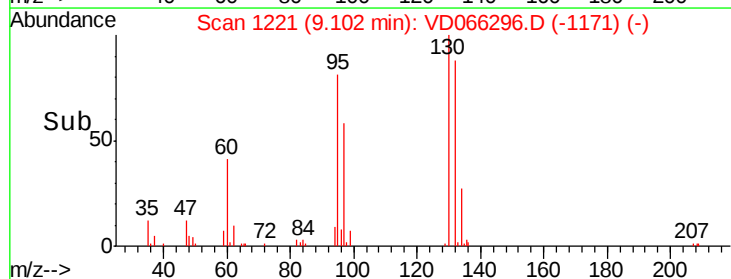
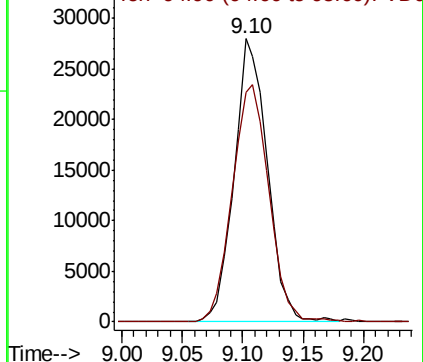
Ion Ratio Lower Upper

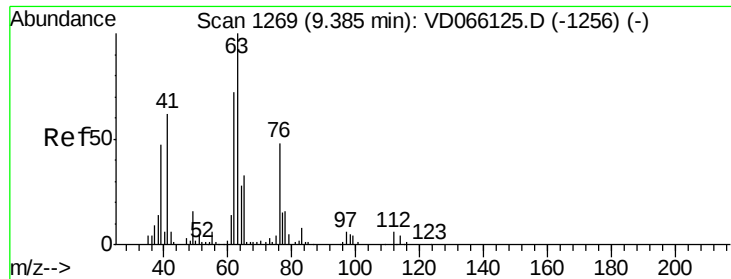
130 100

95 81.2 0.0 178.4



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

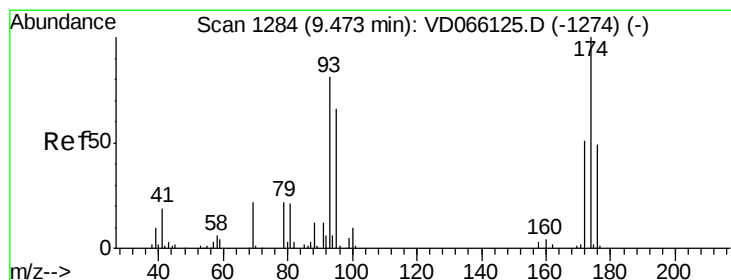
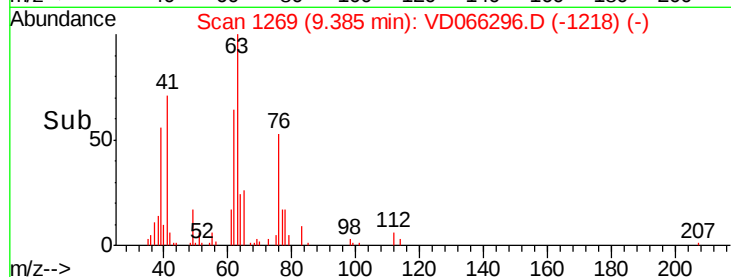
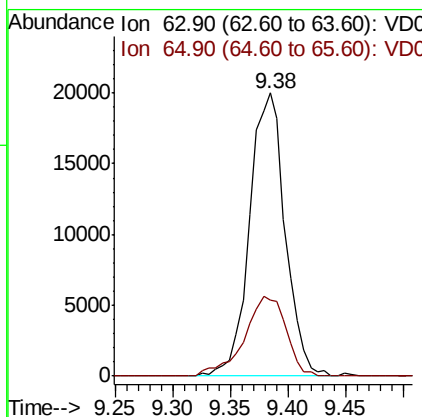
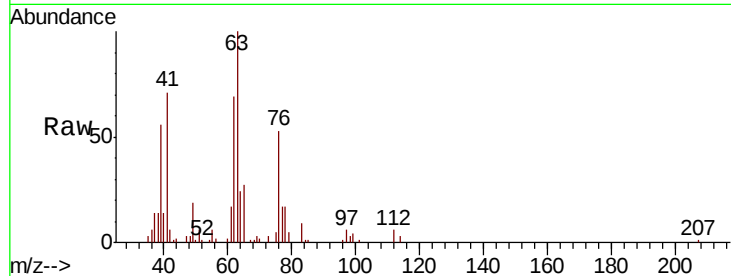




#45
 1,2-Dichloropropane
 Concen: 19.823 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

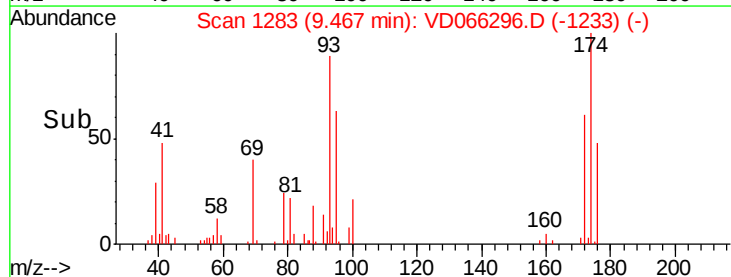
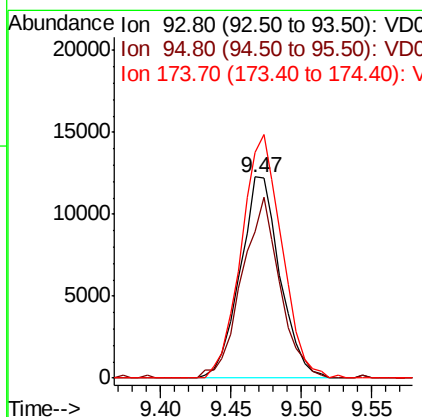
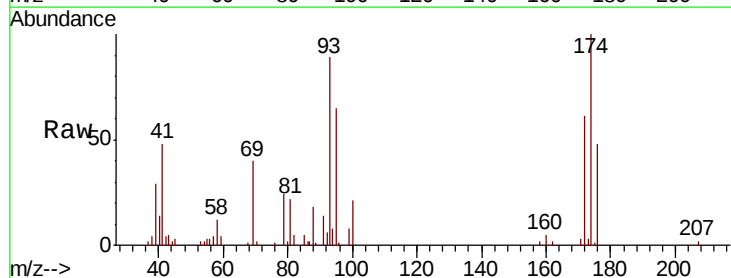
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

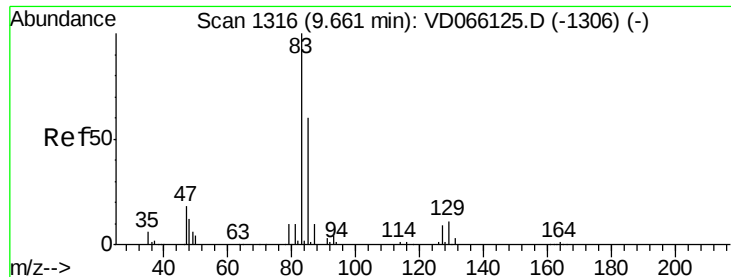
Tot Ion: 63 Resp: 42973
 Ion Ratio Lower Upper
 63 100
 65 26.6 26.5 39.7



#46
 Dibromomethane
 Concen: 20.326 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

Tgt Ion: 93 Resp: 24271
 Ion Ratio Lower Upper
 93 100
 95 85.9 65.8 98.6
 174 123.0 92.8 139.2





#47

Bromodichloromethane

Concen: 21.378 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

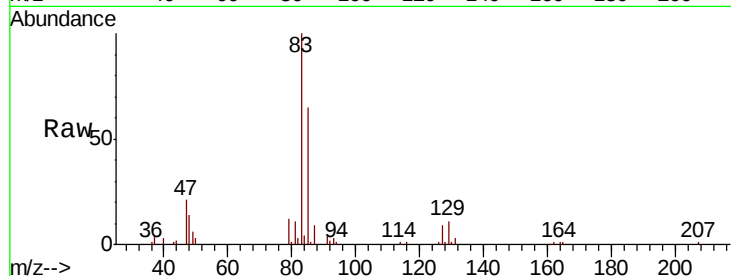
Tot Ion: 83 Resp: 67471

Ion Ratio Lower Upper

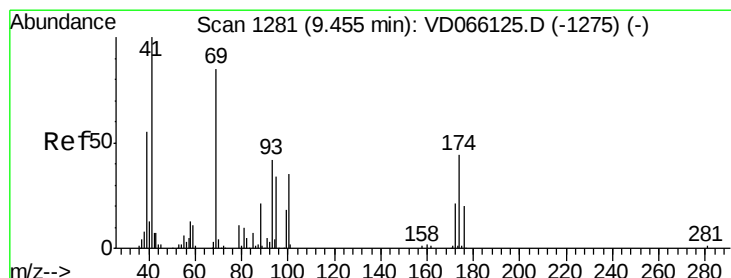
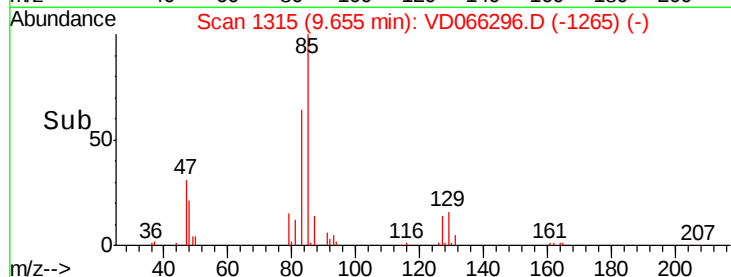
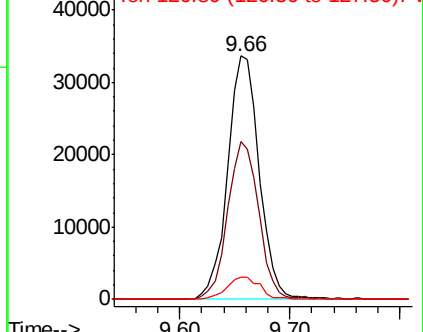
83 100

85 64.6 48.2 72.4

127 9.3 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: 18.746 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

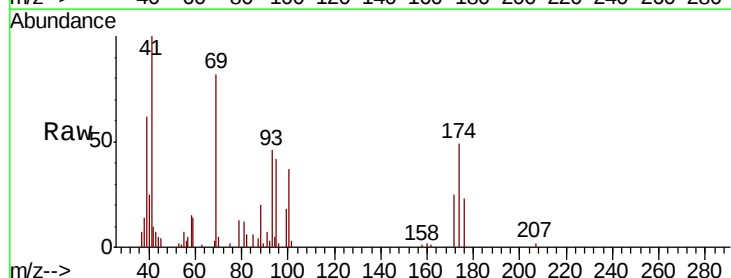
Tgt Ion: 41 Resp: 23876

Ion Ratio Lower Upper

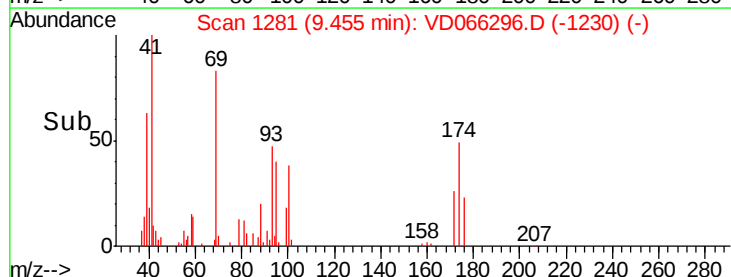
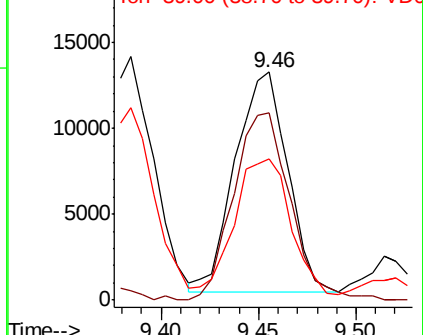
41 100

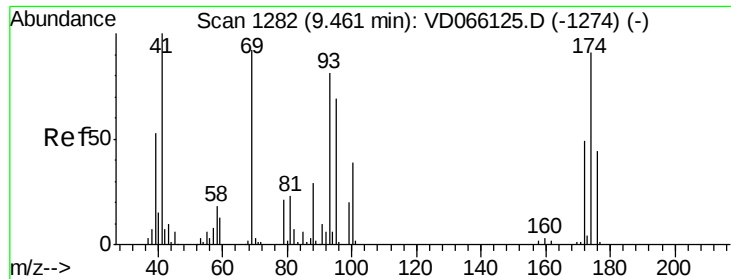
69 92.1 63.9 95.9

39 71.6 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

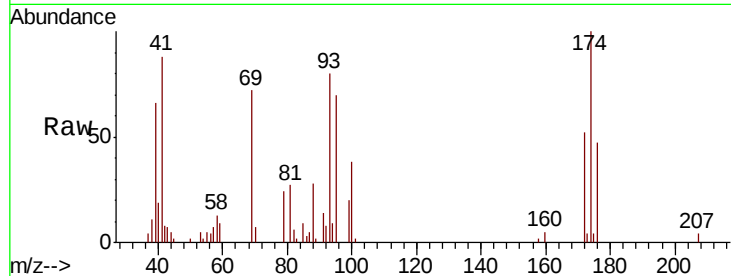




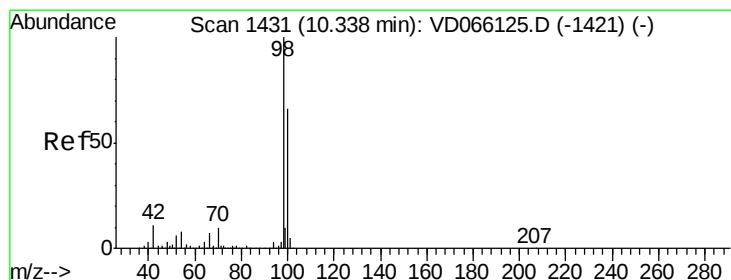
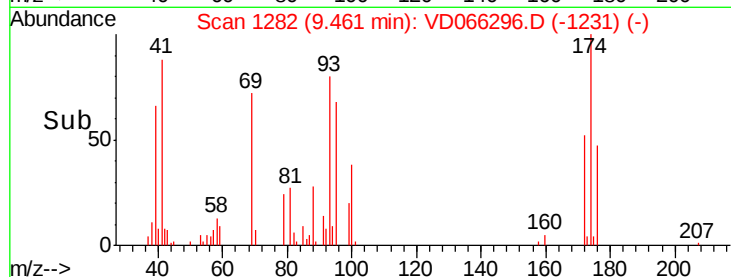
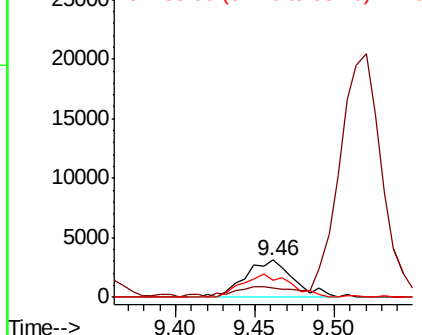
#49
1,4-Dioxane
Concen: 422.387 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion: 88 Resp: 6480
Ion Ratio Lower Upper
88 100
43 35.0 27.5 41.3
58 63.8 50.2 75.4

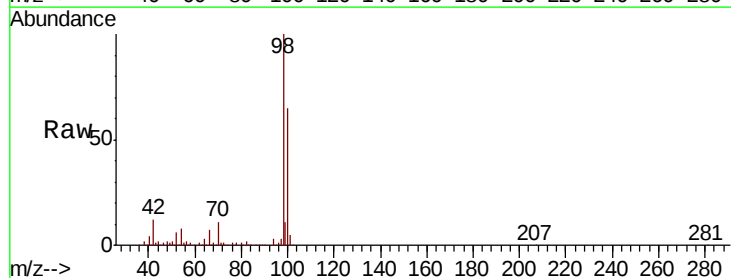


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

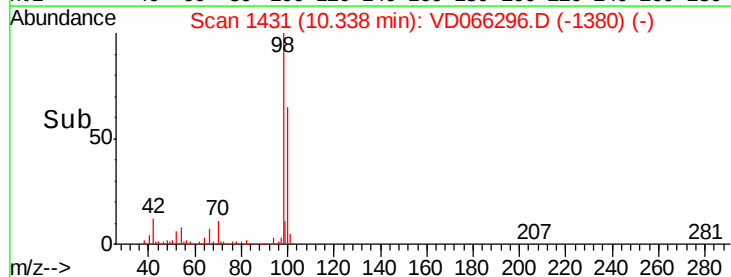
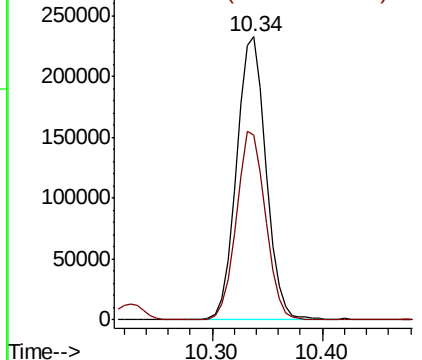


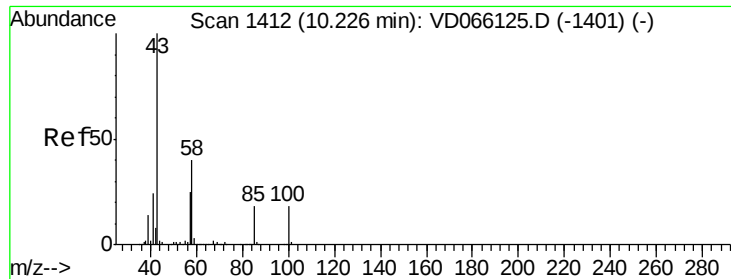
#50
Toluene-d8
Concen: 55.018 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion: 98 Resp: 437337
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



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





#51

4-Methyl-2-Pentanone

Concen: 100.886 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

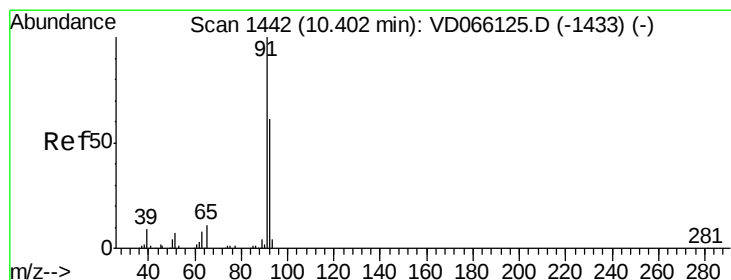
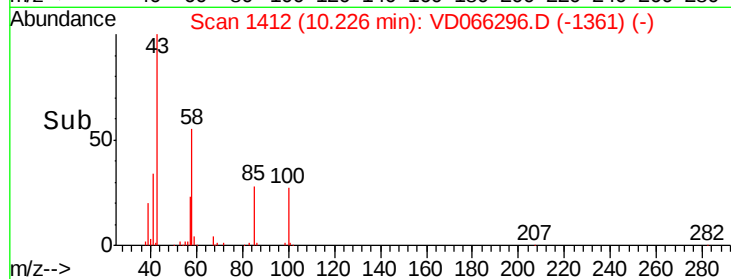
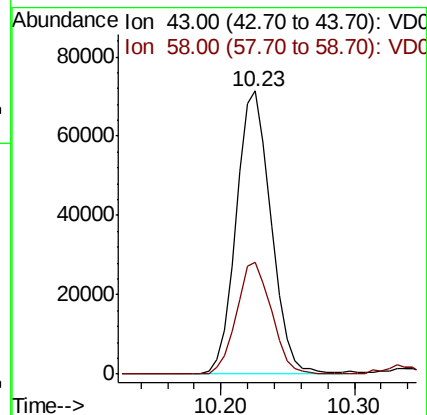
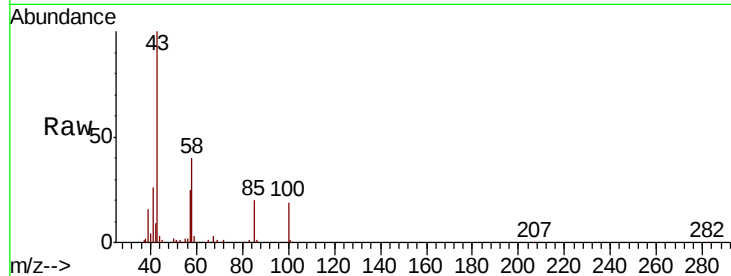
VD0818SBS02

Tot Ion: 43 Resp: 129262

Ion Ratio Lower Upper

43 100

58 39.6 31.1 46.7



#52

Toluene

Concen: 20.356 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066296.D

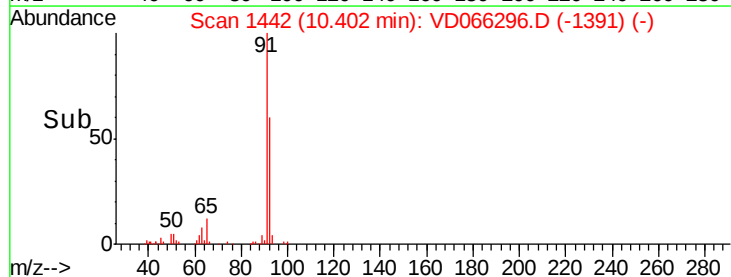
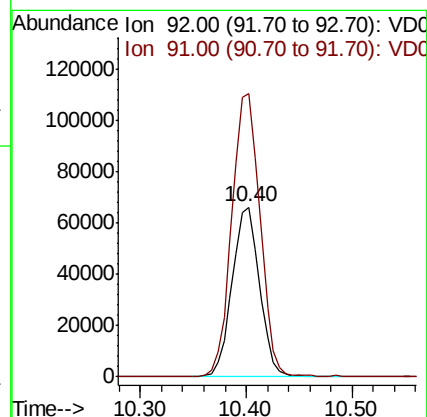
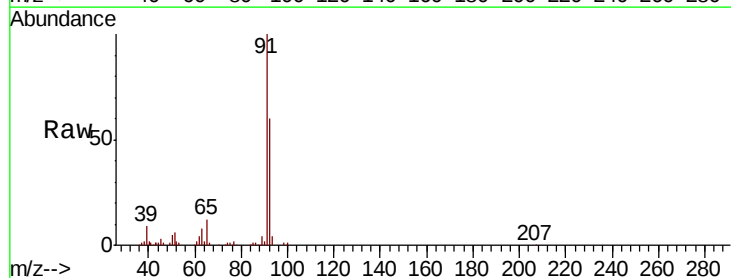
Acq: 19 Aug 2020 01:46

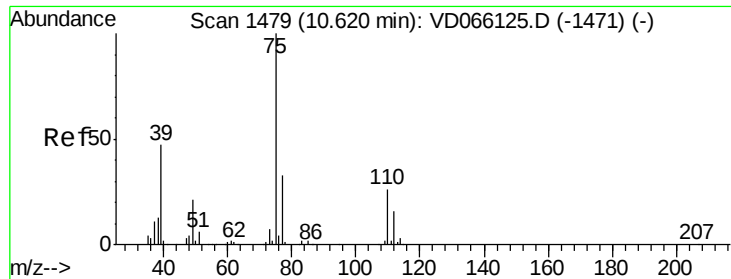
Tgt Ion: 92 Resp: 118729

Ion Ratio Lower Upper

92 100

91 172.0 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 20.381 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

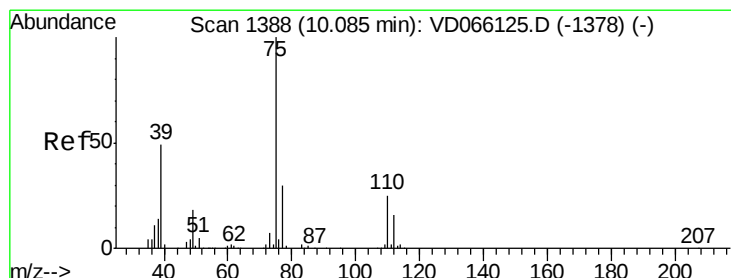
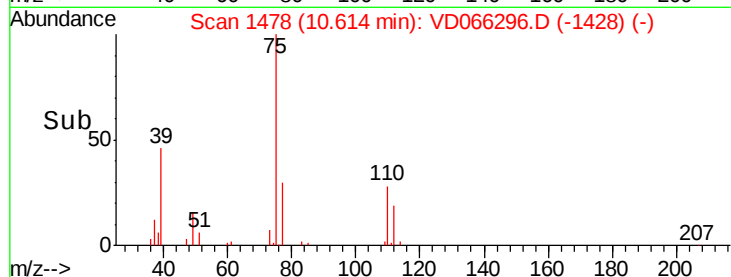
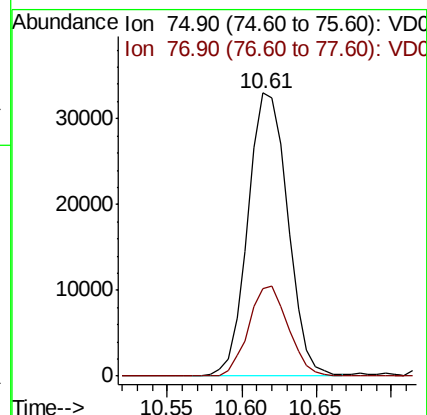
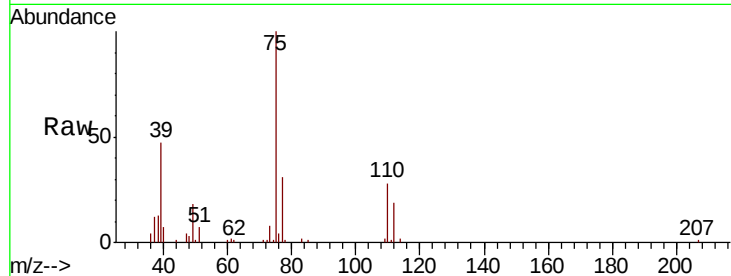
VD0818SBS02

Tot Ion: 75 Resp: 61044

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 19.649 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

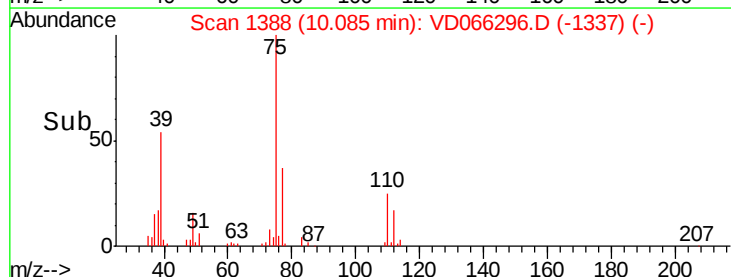
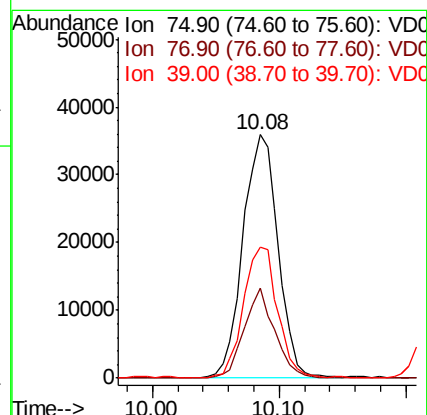
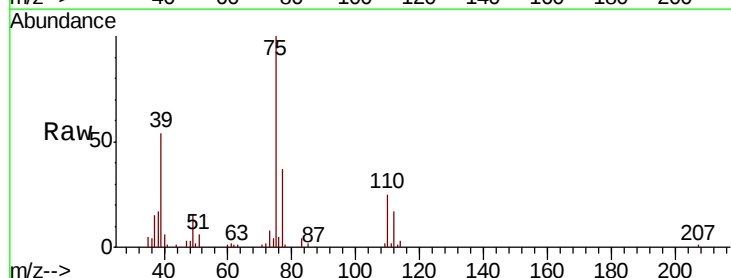
Tgt Ion: 75 Resp: 68953

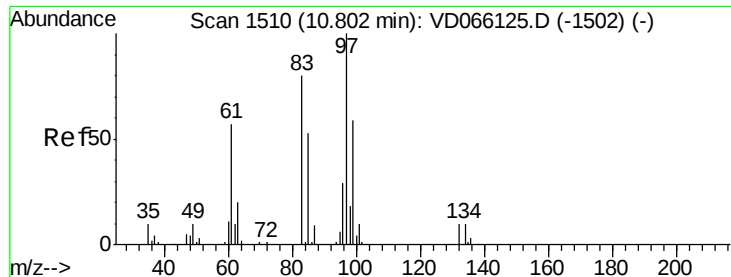
Ion Ratio Lower Upper

75 100

77 36.9 24.3 36.5#

39 53.9 39.3 58.9

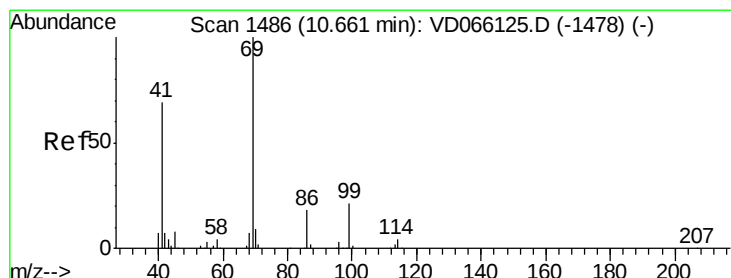
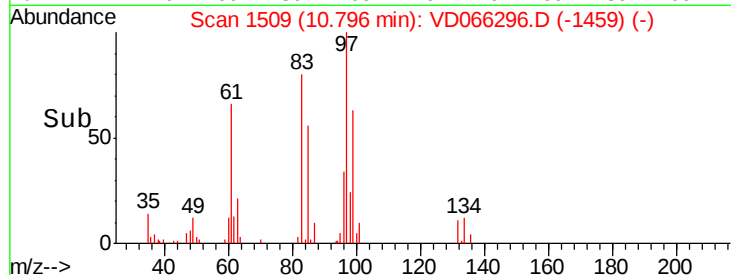
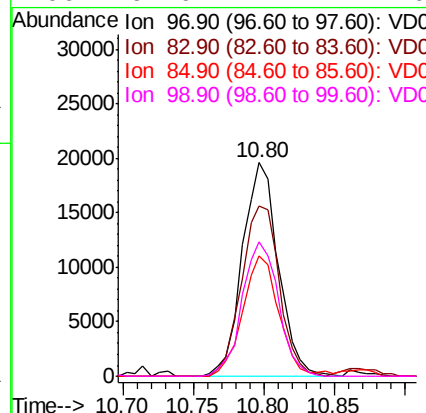
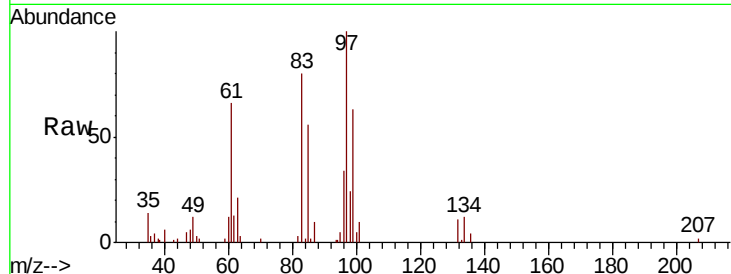




#55
 1,1,2-Trichloroethane
 Concen: 20.369 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

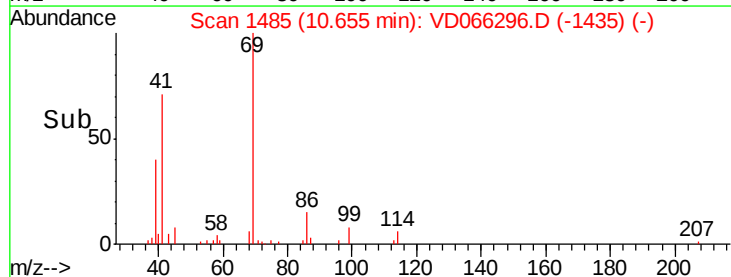
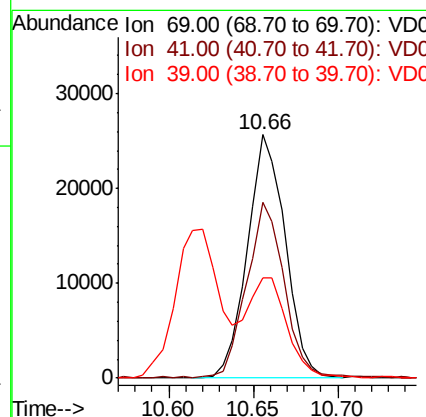
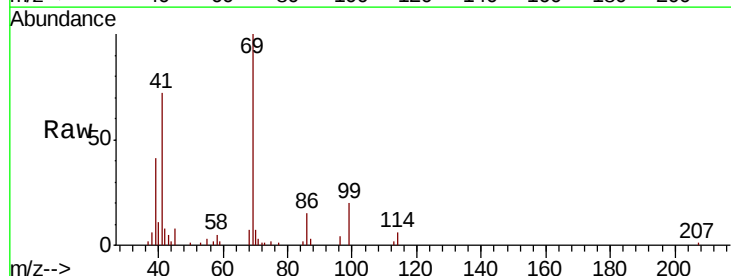
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

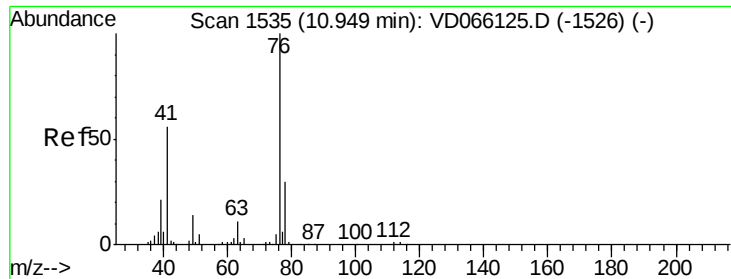
Tot Ion:	97	Resp:	35024
Ion	Ratio	Lower	Upper
97	100		
83	79.7	63.9	95.9
85	56.2	42.5	63.7
99	62.9	47.4	71.0



#56
 Ethyl methacrylate
 Concen: 19.433 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

Tgt Ion:	69	Resp:	40141
Ion	Ratio	Lower	Upper
69	100		
41	72.8	54.1	81.1
39	44.4	28.6	43.0#

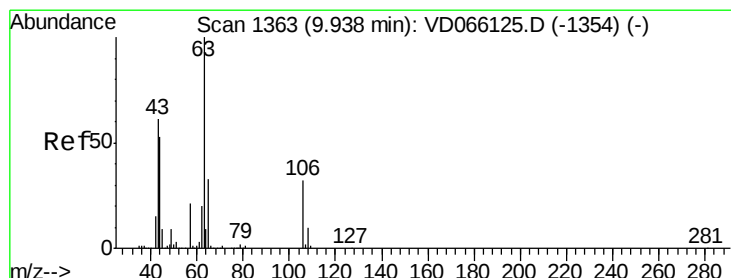
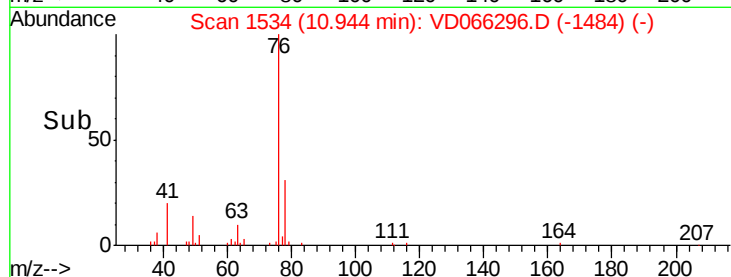
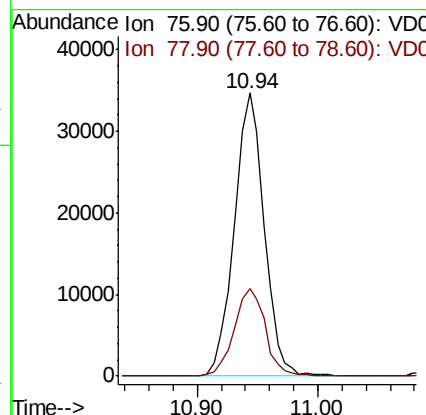
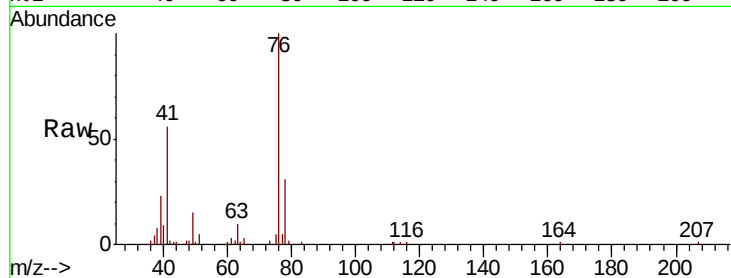




#57
 1,3-Dichloropropane
 Concen: 20.918 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

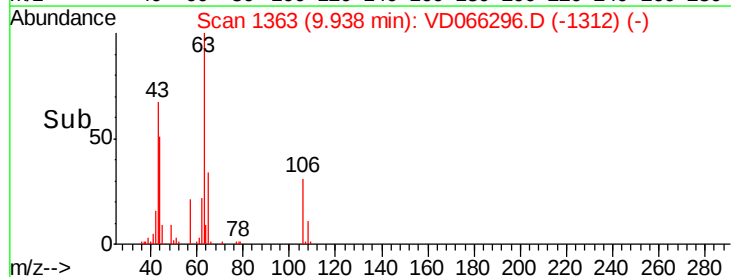
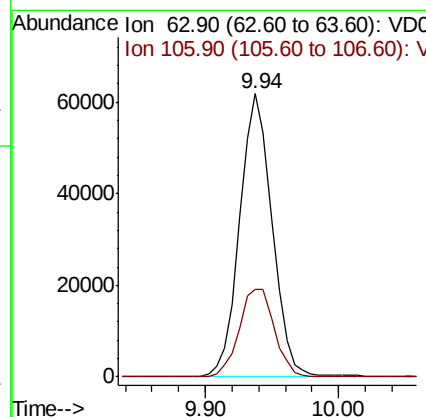
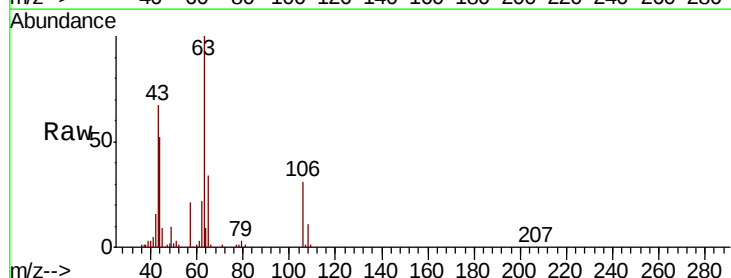
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

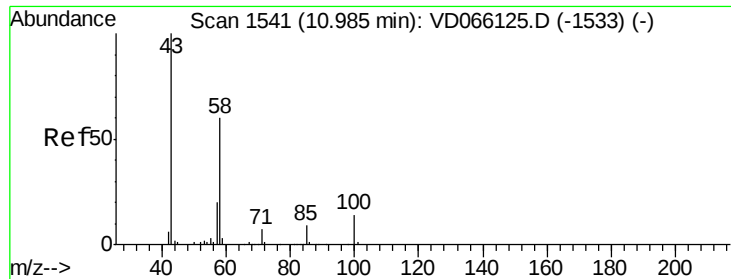
Tot Ion: 76 Resp: 59711
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.071 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

Tgt Ion: 63 Resp: 104128
 Ion Ratio Lower Upper
 63 100
 106 33.6 25.3 37.9

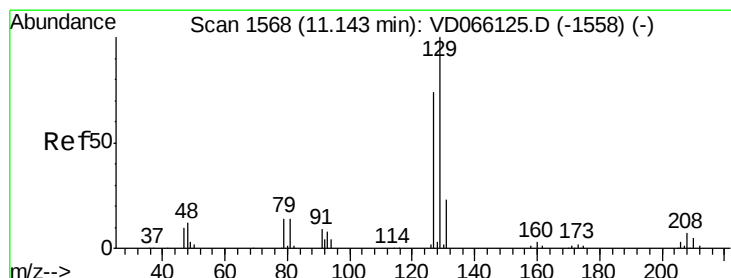
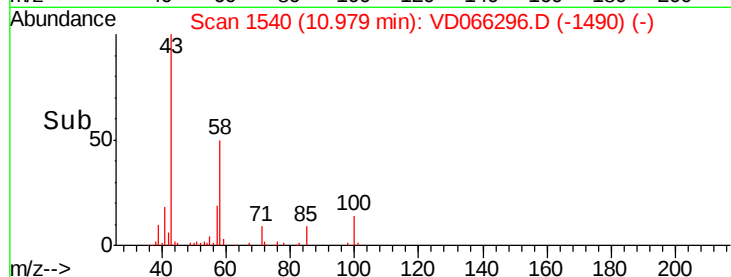
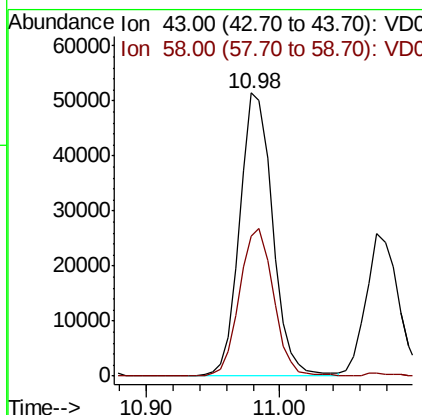
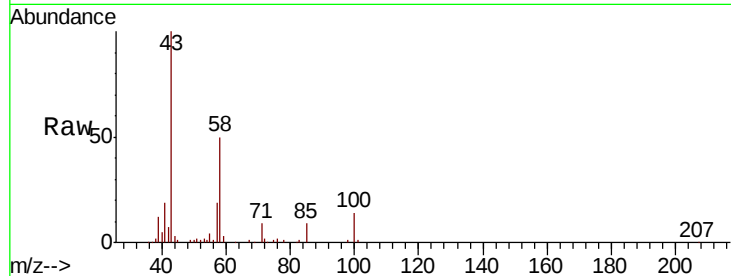




#59
2-Hexanone
Concen: 97.888 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

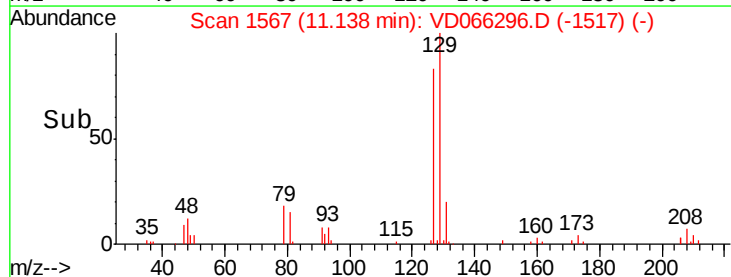
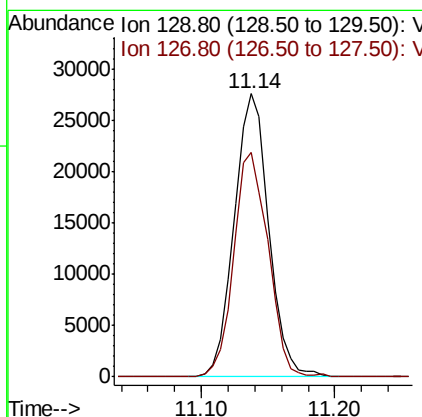
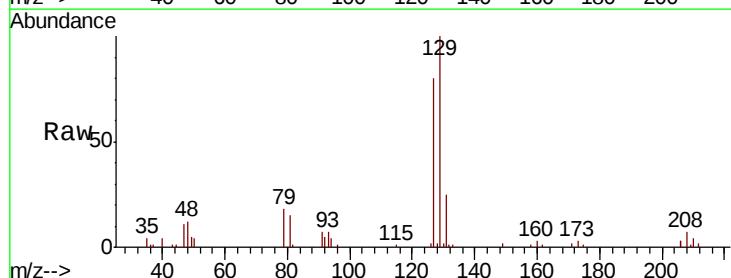
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

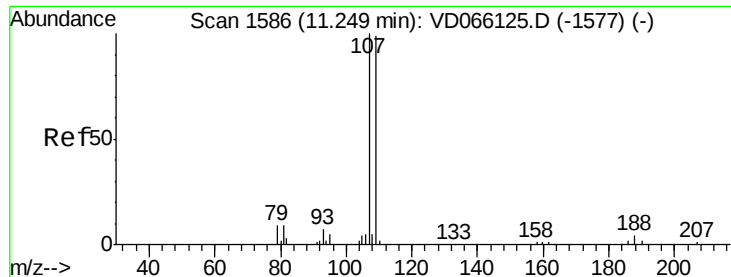
Tot Ion: 43 Resp: 88022
Ion Ratio Lower Upper
43 100
58 53.8 27.8 83.4



#60
Dibromochloromethane
Concen: 20.889 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion: 129 Resp: 49588
Ion Ratio Lower Upper
129 100
127 79.4 38.0 114.1

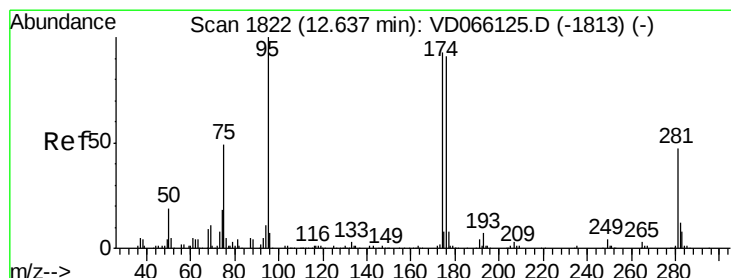
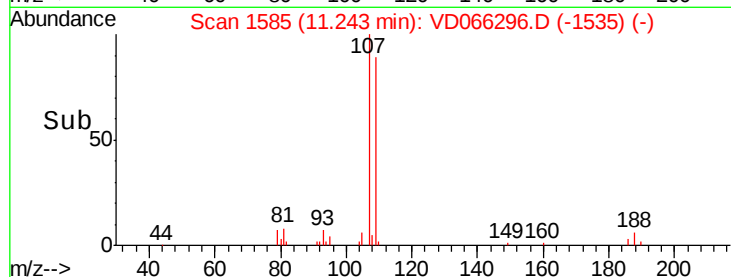
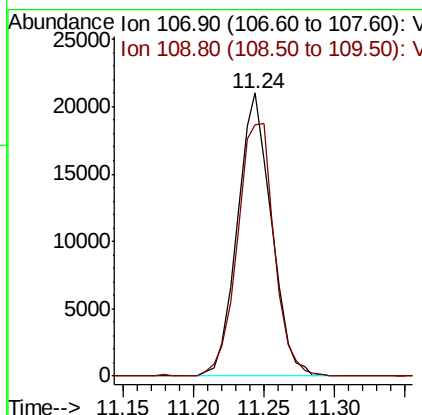
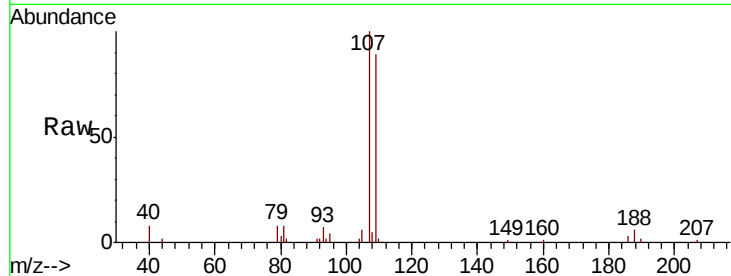




#61
 1,2-Dibromoethane
 Concen: 21.361 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

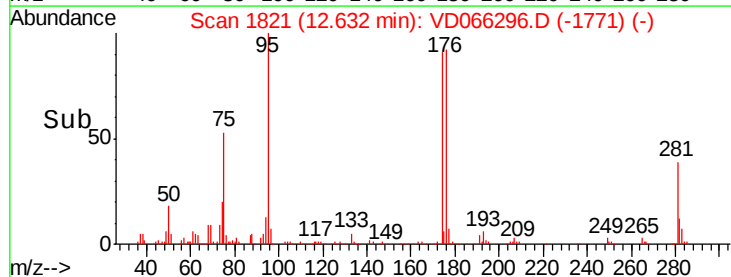
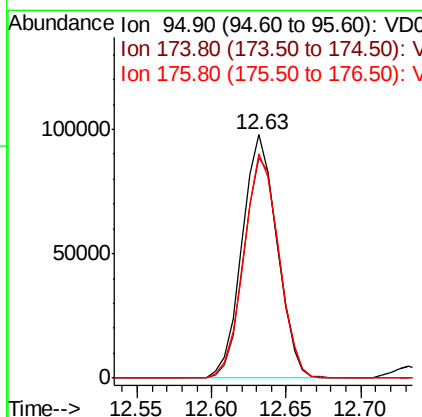
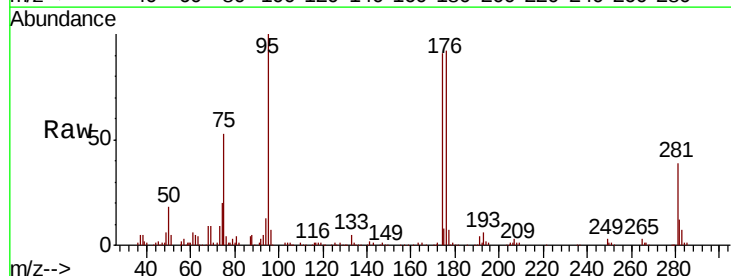
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion:107 Resp: 35323
 Ion Ratio Lower Upper
 107 100
 109 96.6 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 55.346 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

Tgt Ion: 95 Resp: 158582
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 180.8
 176 91.7 0.0 181.2

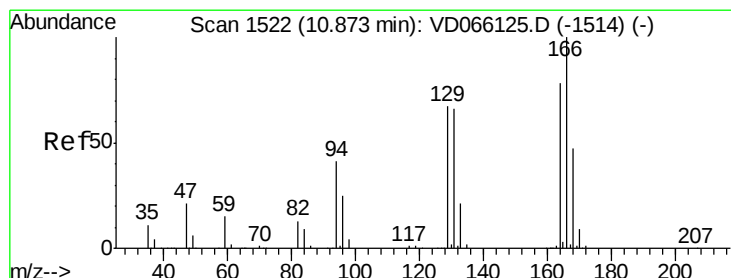
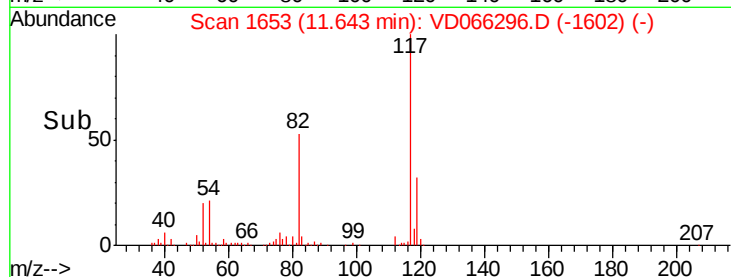
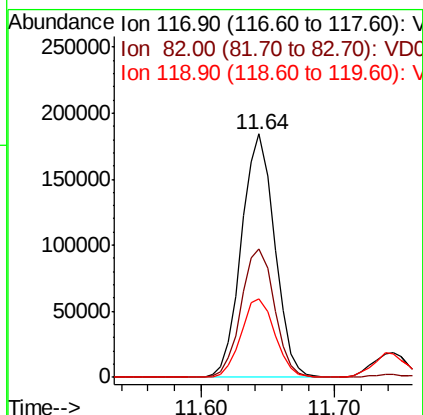
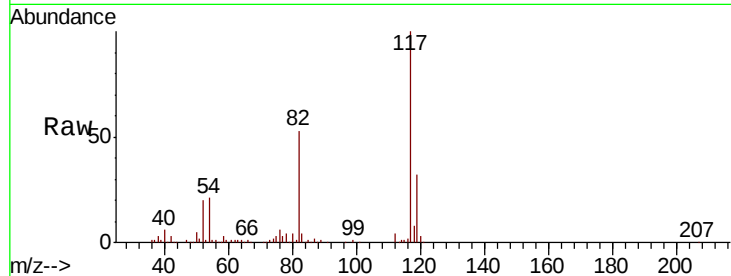




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

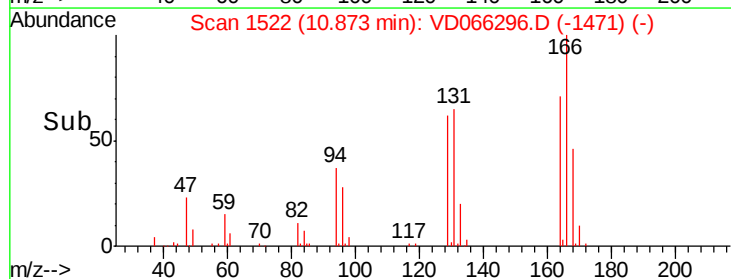
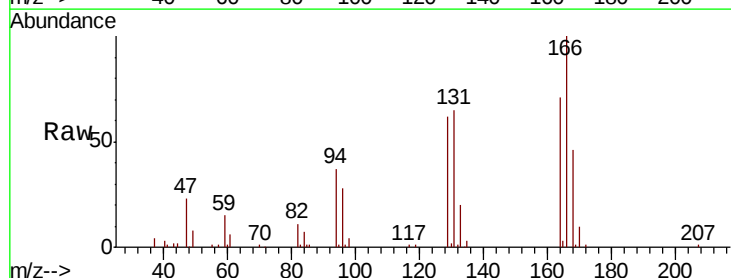
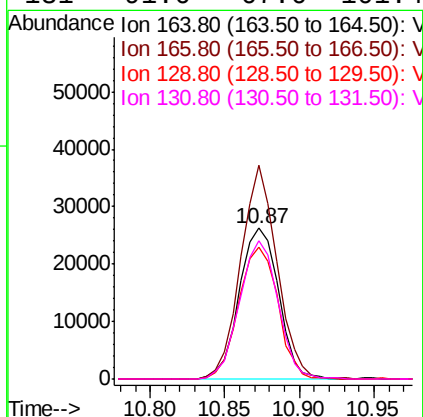
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

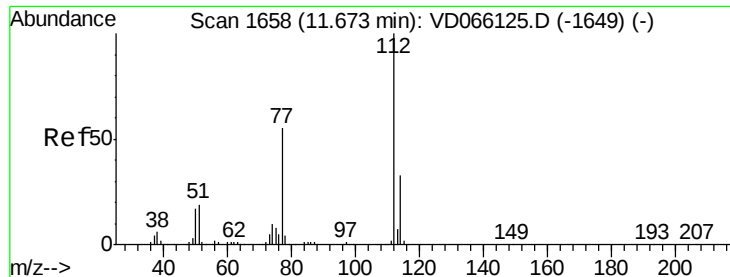
Tot Ion:117 Resp: 316435
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 32.3 26.1 39.1



#64
Tetrachloroethene
Concen: 19.734 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion:164 Resp: 47952
Ion Ratio Lower Upper
164 100
166 141.5 101.9 152.9
129 87.4 68.1 102.1
131 91.6 67.6 101.4

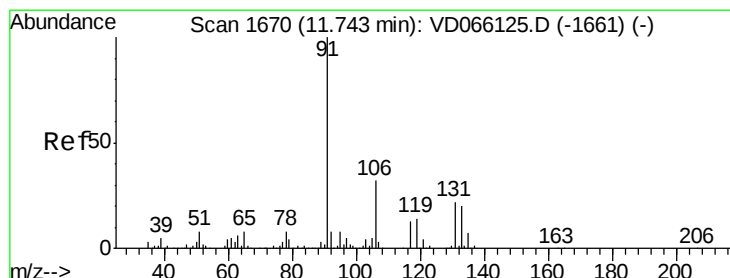
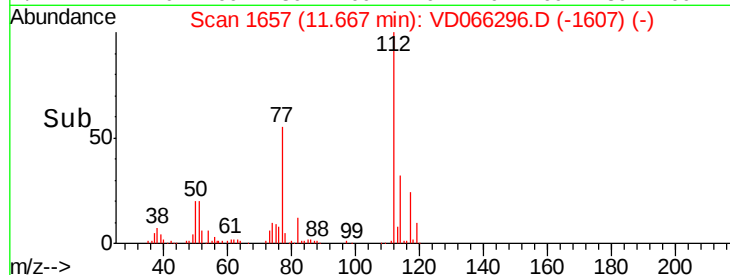
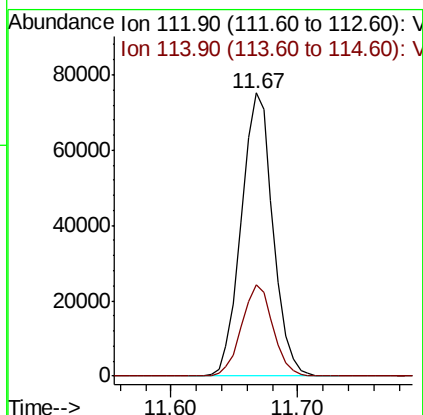
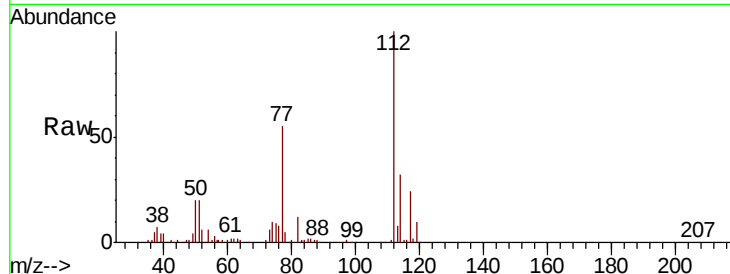




#65
Chlorobenzene
Concen: 20.248 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

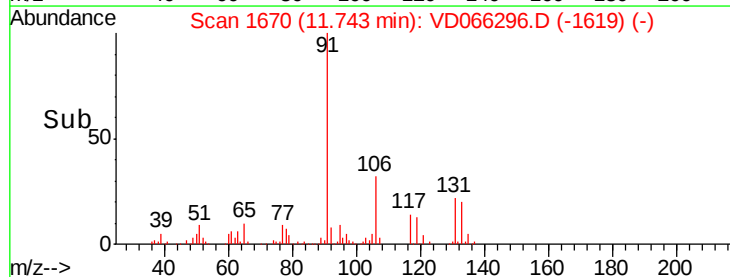
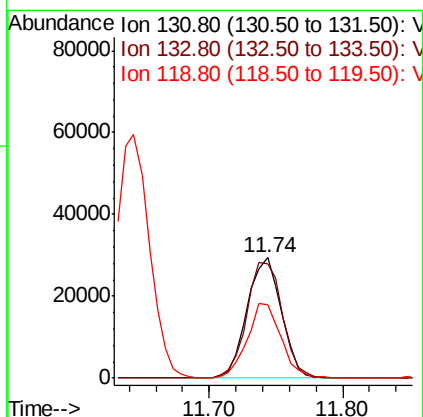
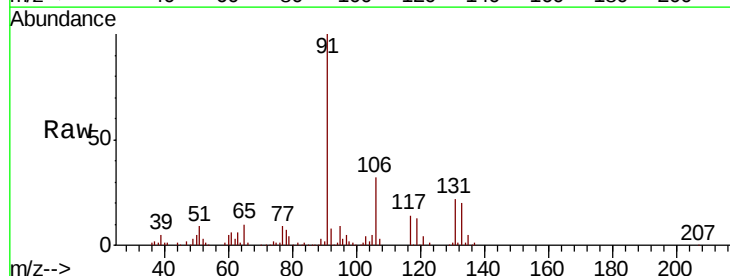
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

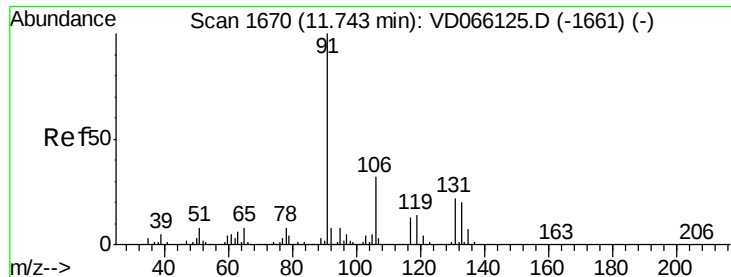
Tot Ion:112 Resp: 130066
Ion Ratio Lower Upper
112 100
114 32.1 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.753 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion:131 Resp: 52162
Ion Ratio Lower Upper
131 100
133 99.7 47.1 141.4
119 60.9 31.6 94.7





#67

Ethyl Benzene

Concen: 19.983 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

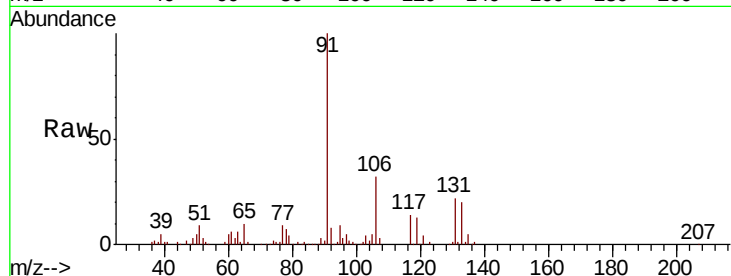
VD0818SBS02

Tot Ion: 91 Resp: 222448

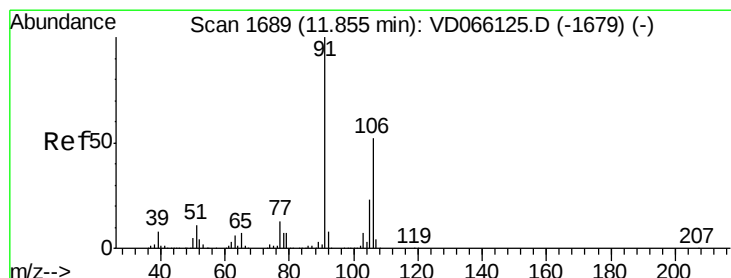
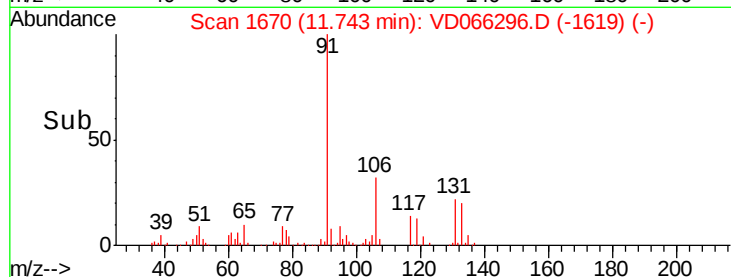
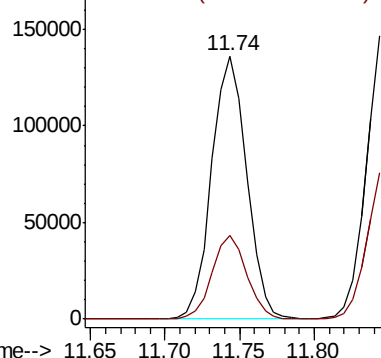
Ion Ratio Lower Upper

91 100

106 32.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 40.366 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD066296.D

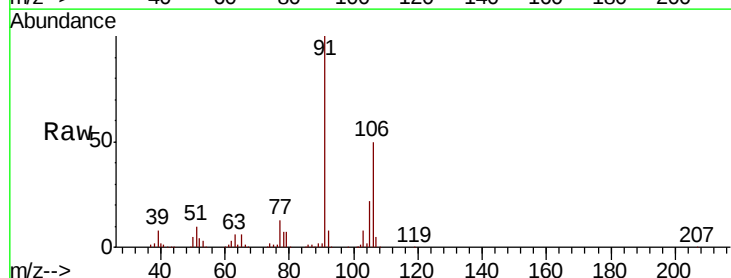
Acq: 19 Aug 2020 01:46

Tgt Ion: 106 Resp: 174096

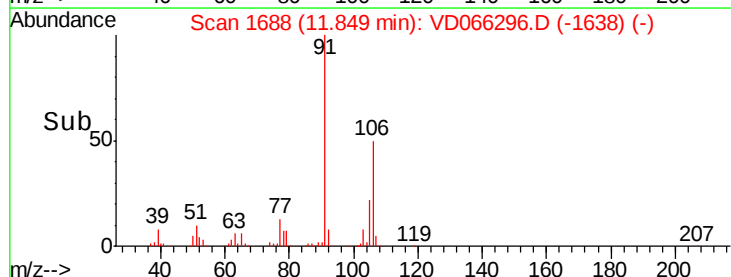
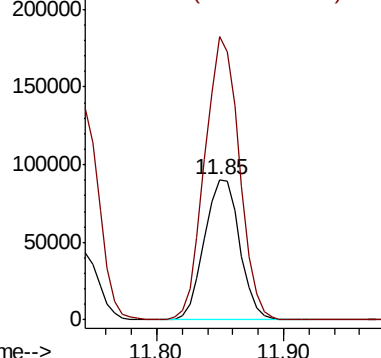
Ion Ratio Lower Upper

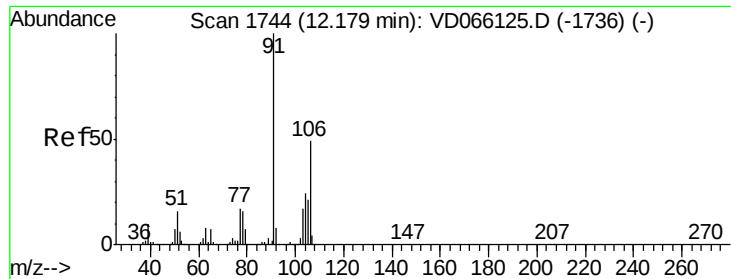
106 100

91 198.1 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

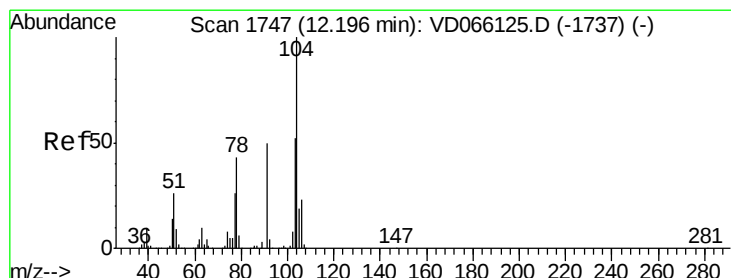
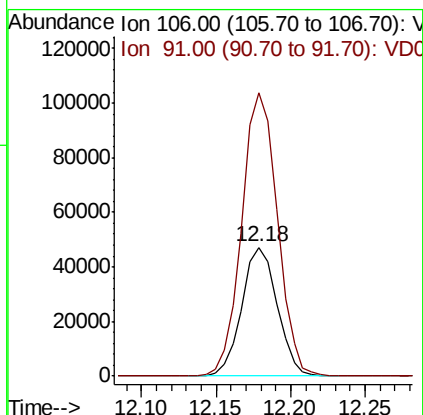
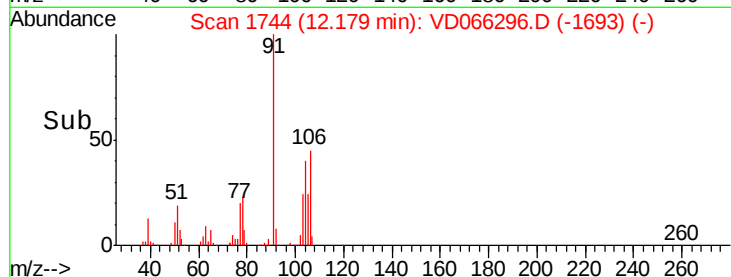
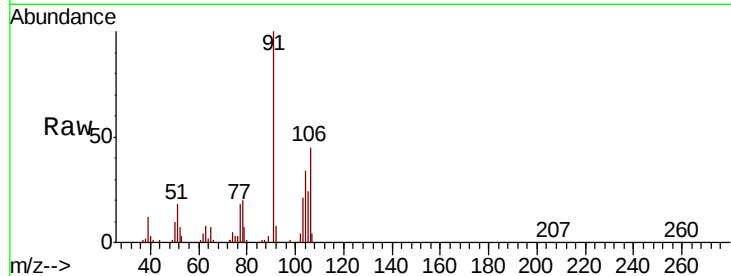




#69
o-Xylene
Concen: 19.743 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

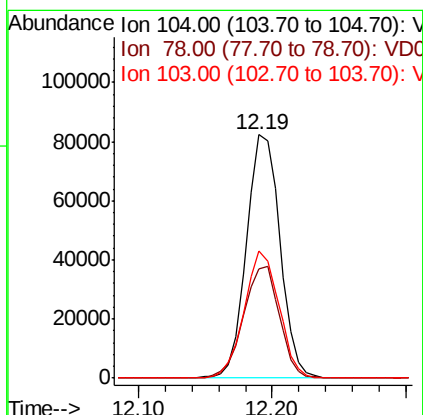
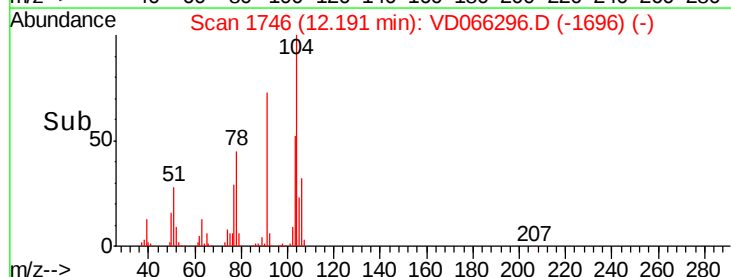
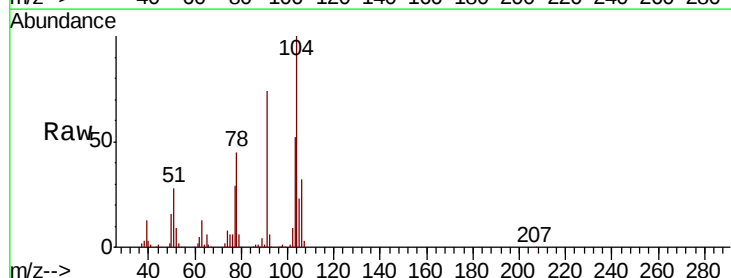
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

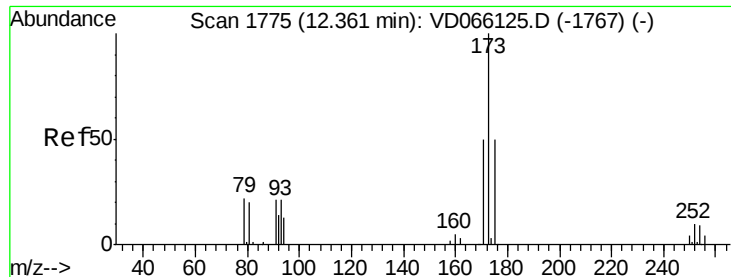
Tot Ion:106 Resp: 77456
Ion Ratio Lower Upper
106 100
91 221.6 105.7 317.1



#70
Styrene
Concen: 20.763 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion:104 Resp: 142758
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 53.8 44.1 66.1





#71

Bromoform

Concen: 21.059 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

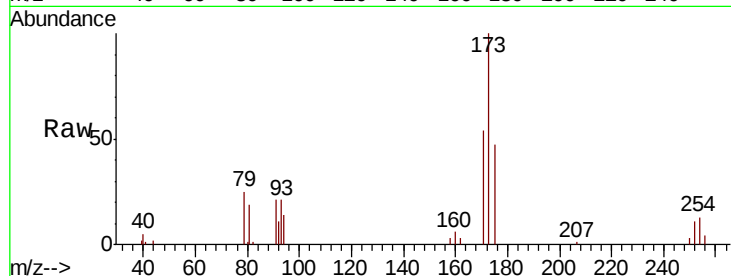
Tot Ion:173 Resp: 31360

Ion Ratio Lower Upper

173 100

175 50.9 24.6 73.6

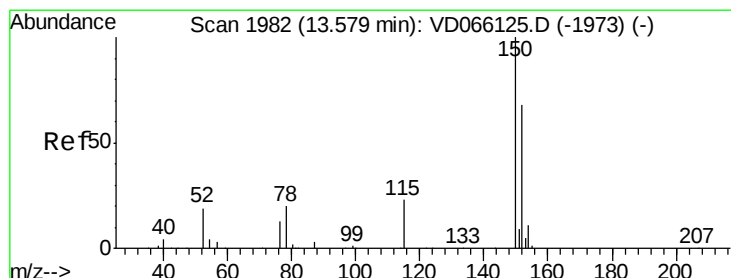
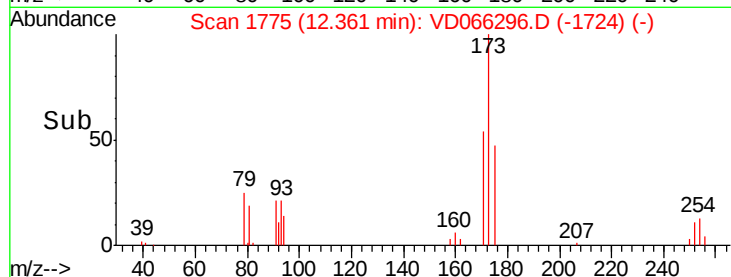
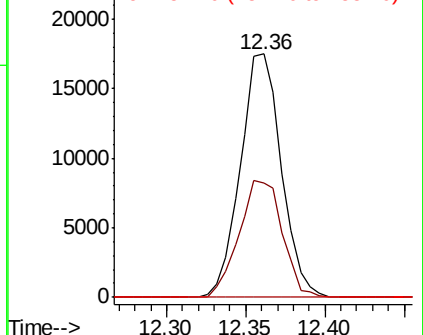
254 0.0 0.2 0.2#



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: VD066296.D

Acq: 19 Aug 2020 01:46

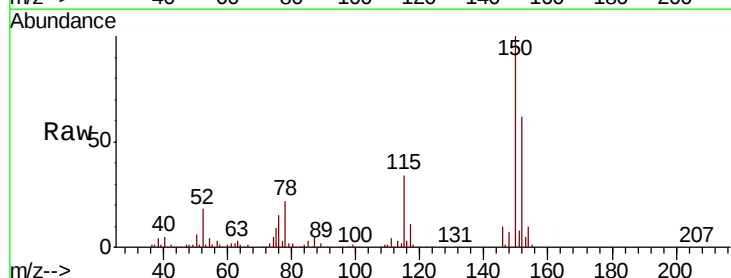
Tgt Ion:152 Resp: 165502

Ion Ratio Lower Upper

152 100

115 57.1 28.0 83.9

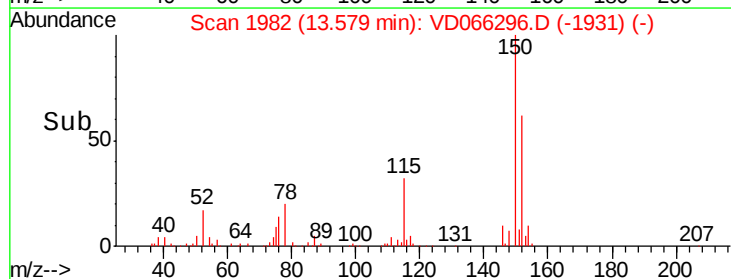
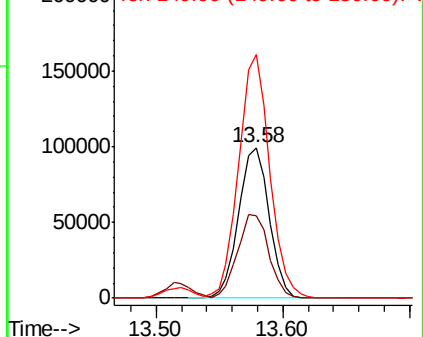
150 164.9 0.0 346.4

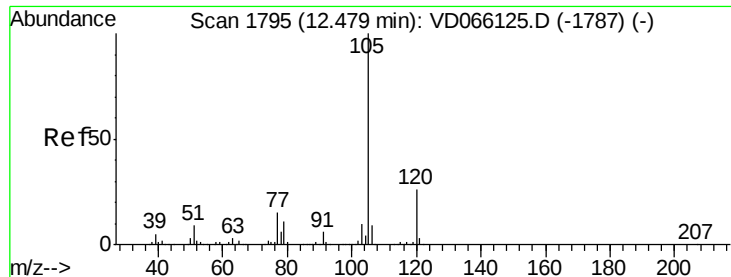


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.382 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleID :

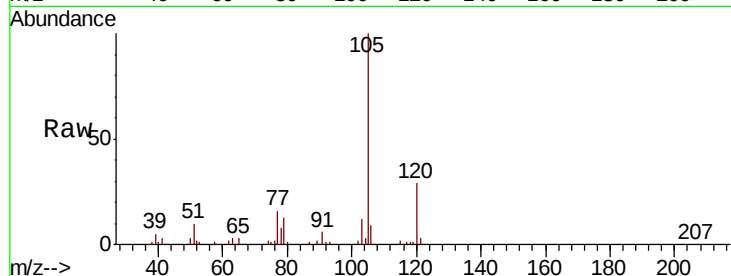
VD0818SBS02

Tot Ion:105 Resp: 214127

Ion Ratio Lower Upper

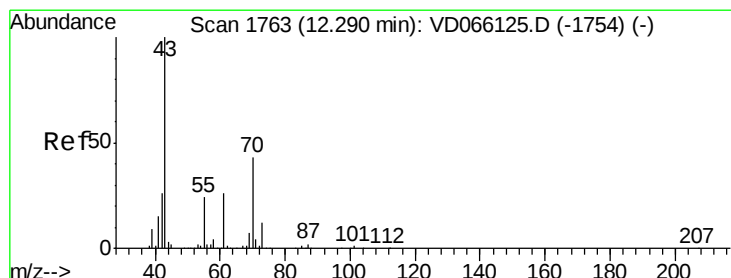
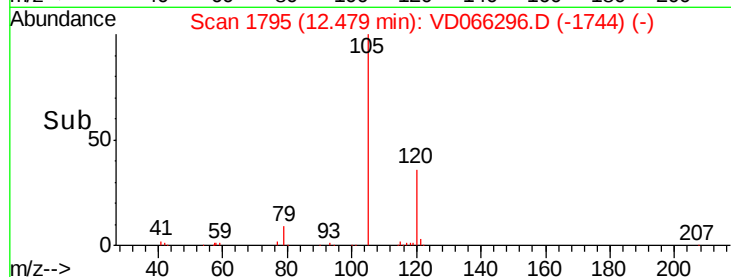
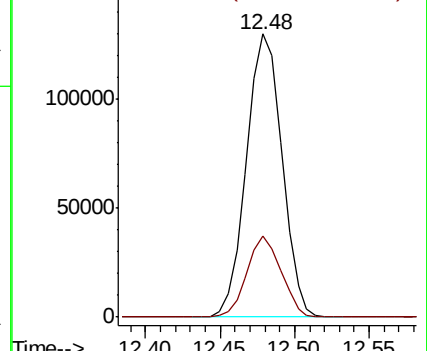
105 100

120 27.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.724 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Tgt Ion: 43 Resp: 47985

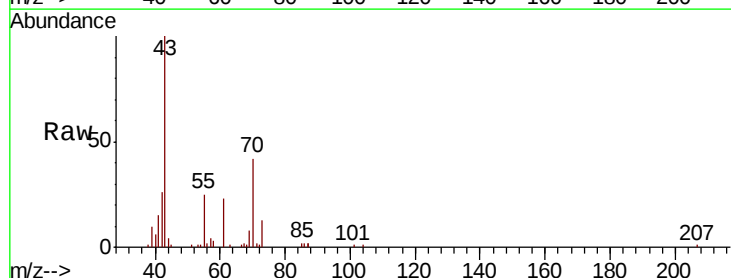
Ion Ratio Lower Upper

43 100

70 41.8 34.9 52.3

55 24.9 19.2 28.8

61 23.0 19.7 29.5

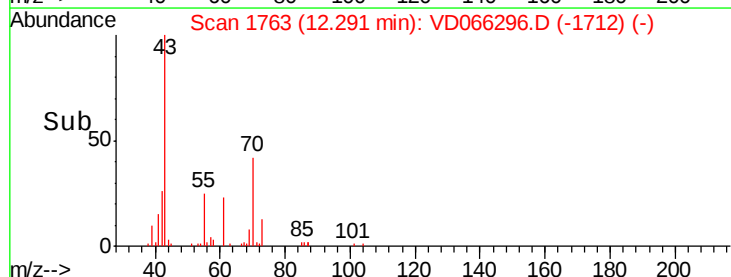
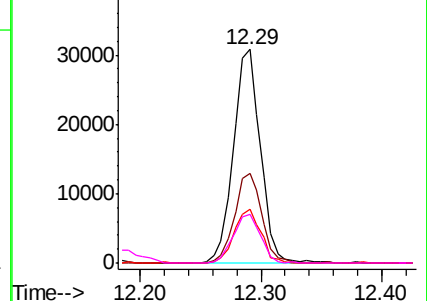


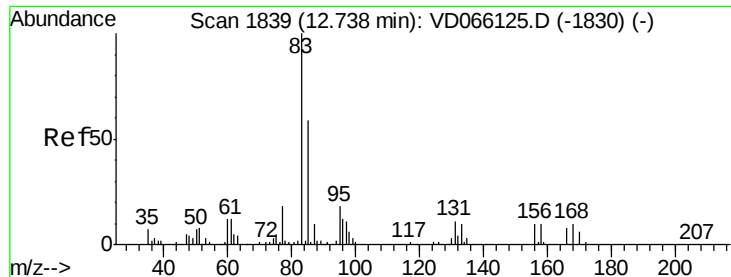
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.167 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

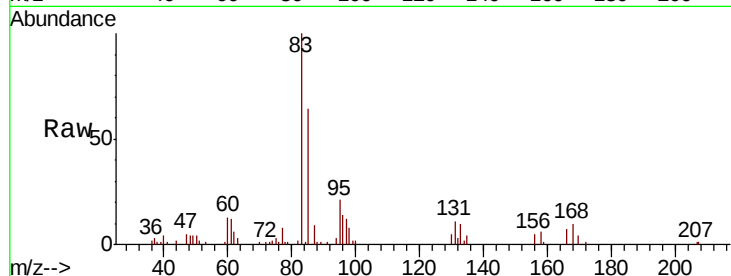
Tot Ion: 83 Resp: 37991

Ion Ratio Lower Upper

83 100

131 13.3 6.2 18.6

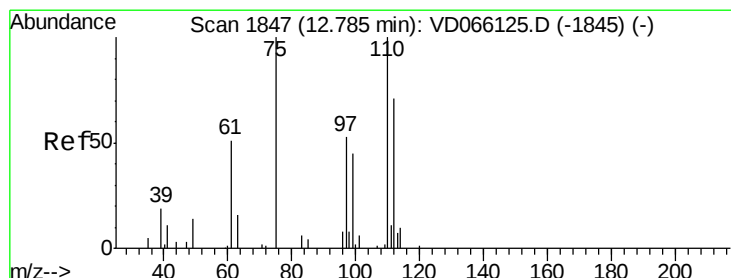
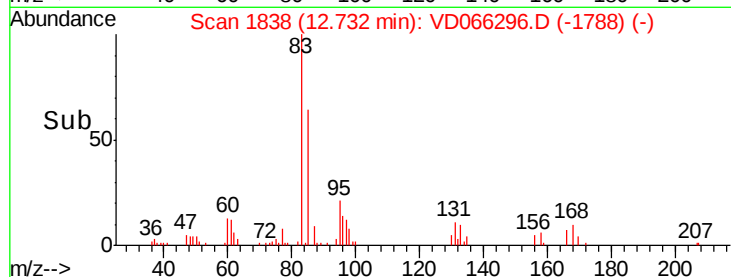
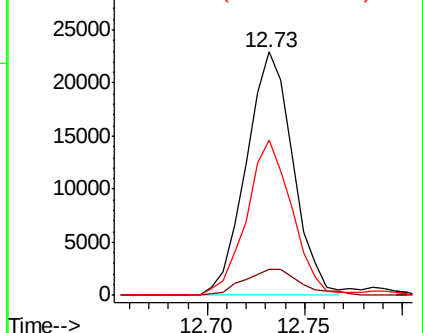
85 61.8 32.4 97.2



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: 36.211 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066296.D

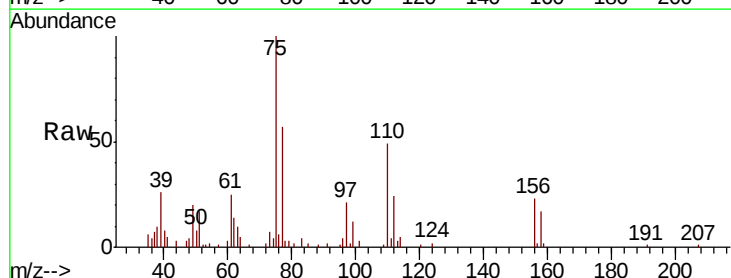
Acq: 19 Aug 2020 01:46

Tgt Ion: 75 Resp: 49978

Ion Ratio Lower Upper

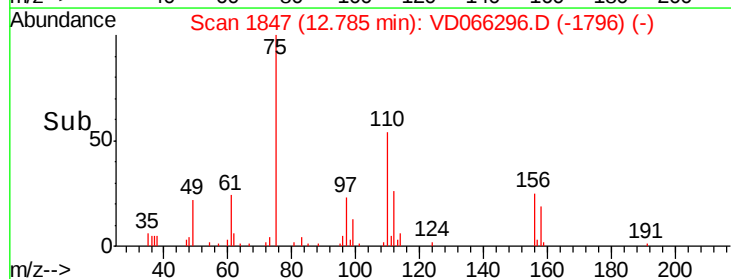
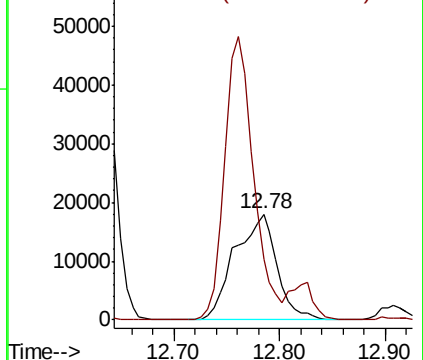
75 100

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: 19.868 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

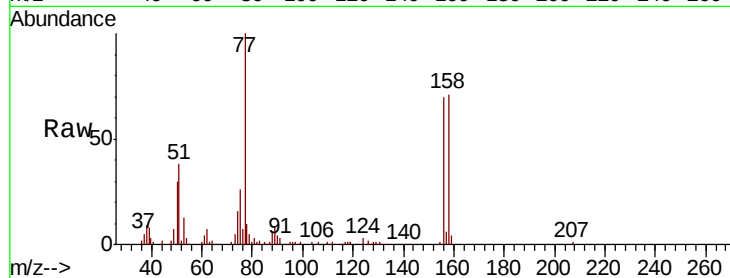
Tot Ion:156 Resp: 56503

Ion Ratio Lower Upper

156 100

77 162.3 81.0 243.1

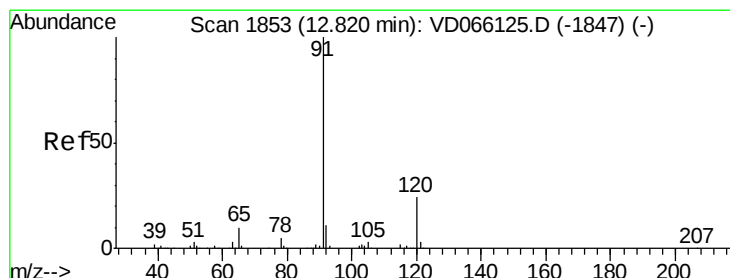
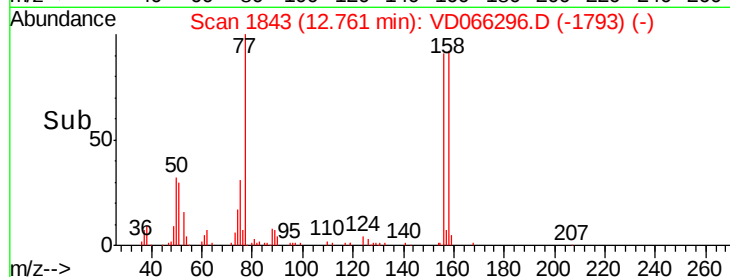
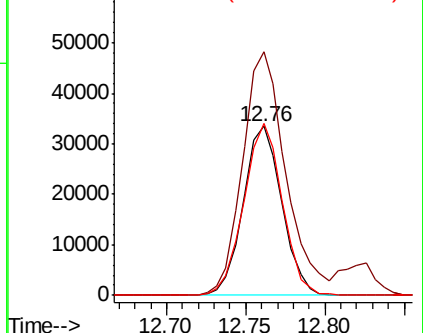
158 101.1 48.8 146.3



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: 19.509 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066296.D

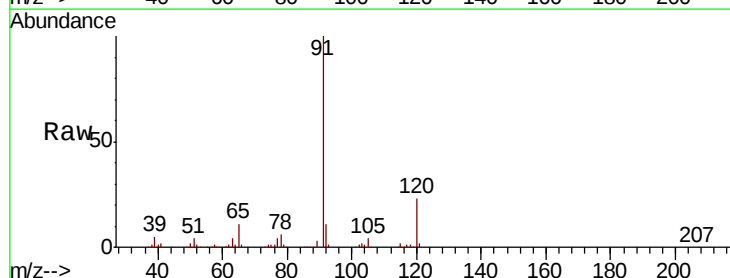
Acq: 19 Aug 2020 01:46

Tgt Ion: 91 Resp: 250533

Ion Ratio Lower Upper

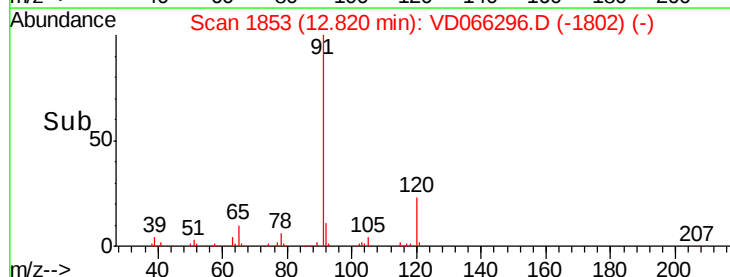
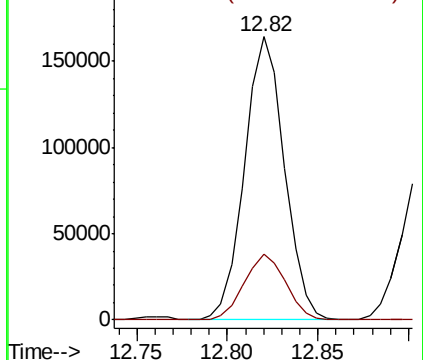
91 100

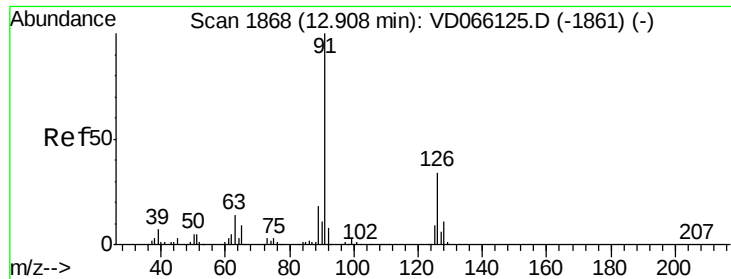
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

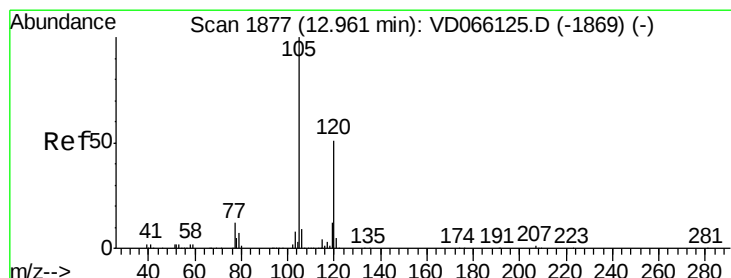
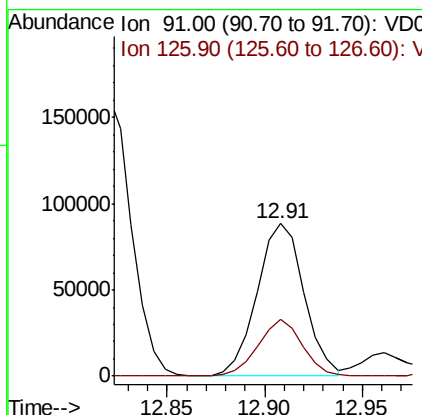
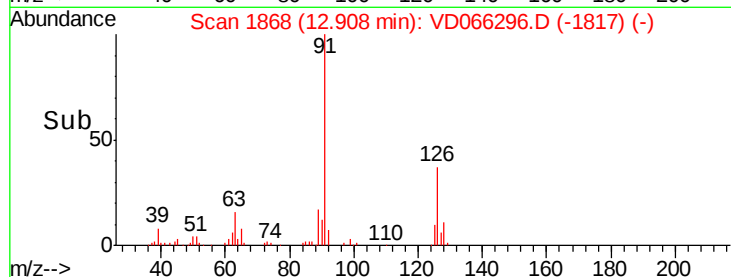
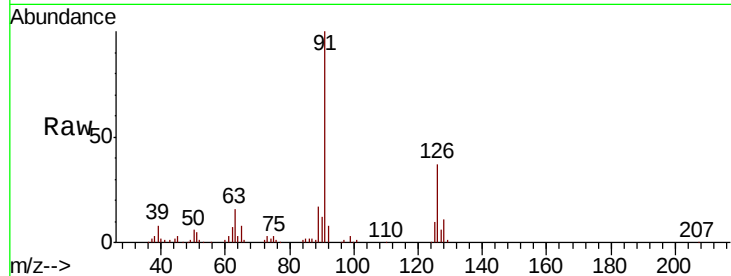




#79
2-Chlorotoluene
Concen: 20.016 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

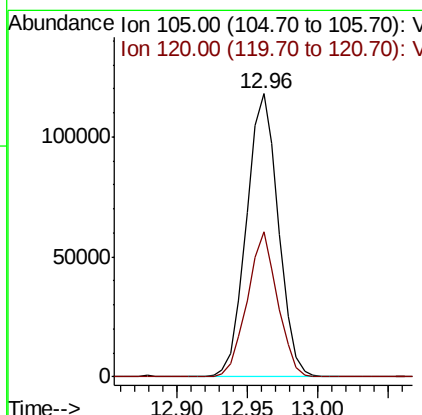
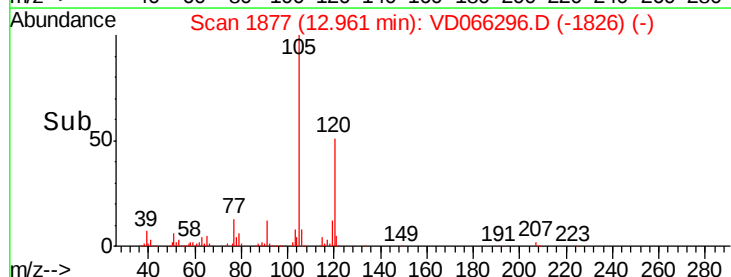
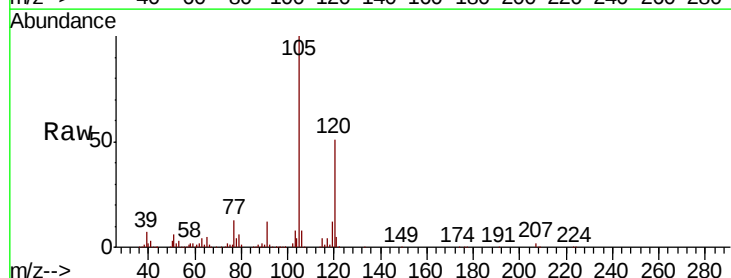
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

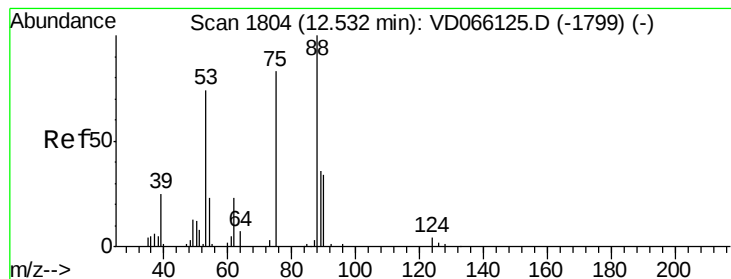
Tot Ion: 91 Resp: 147016
Ion Ratio Lower Upper
91 100
126 35.2 17.5 52.6



#80
1,3,5-Trimethylbenzene
Concen: 20.251 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion:105 Resp: 187103
Ion Ratio Lower Upper
105 100
120 48.5 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.279 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

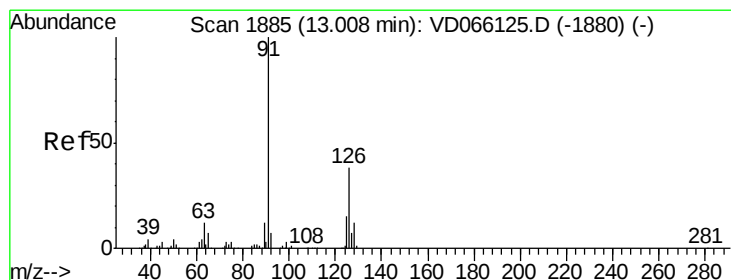
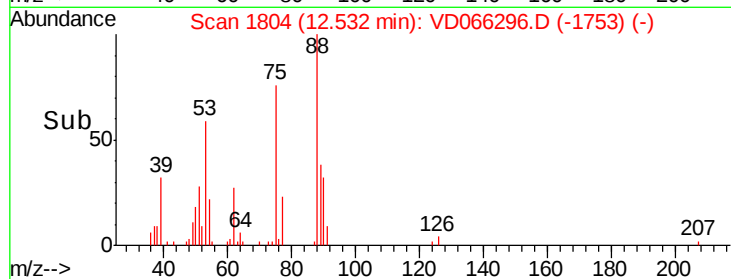
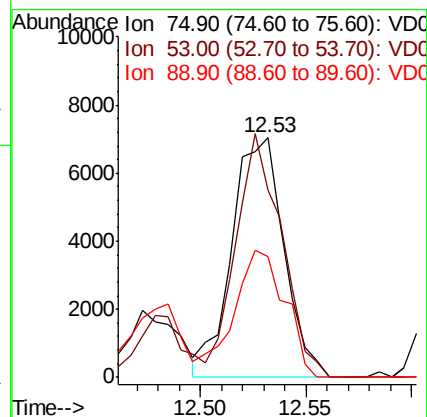
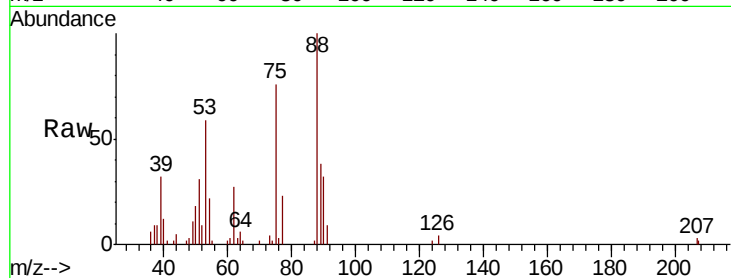
Tot Ion: 75 Resp: 12037

Ion Ratio Lower Upper

75 100

53 88.9 73.4 110.2

89 52.2 36.6 55.0



#82

4-Chlorotoluene

Concen: 20.075 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066296.D

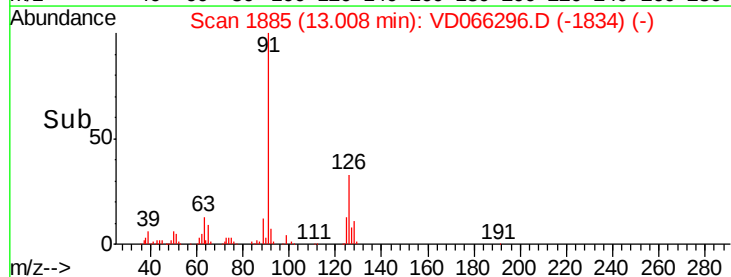
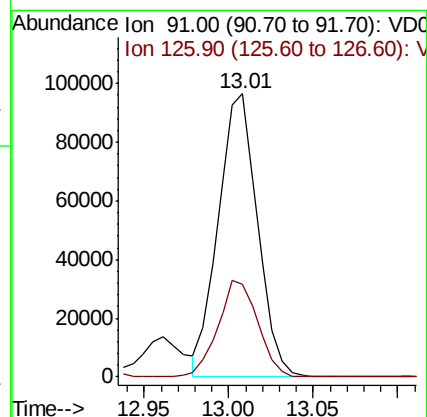
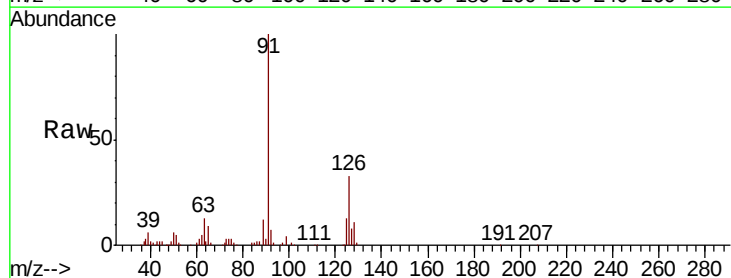
Acq: 19 Aug 2020 01:46

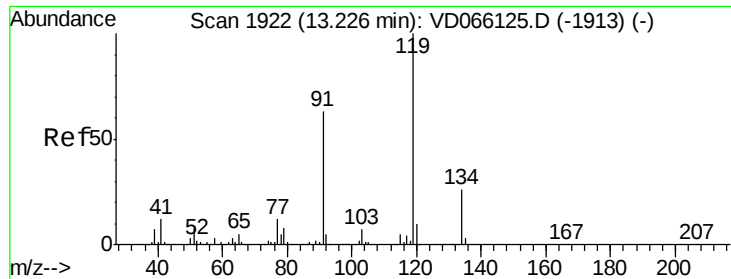
Tgt Ion: 91 Resp: 155655

Ion Ratio Lower Upper

91 100

126 34.8 17.8 53.3

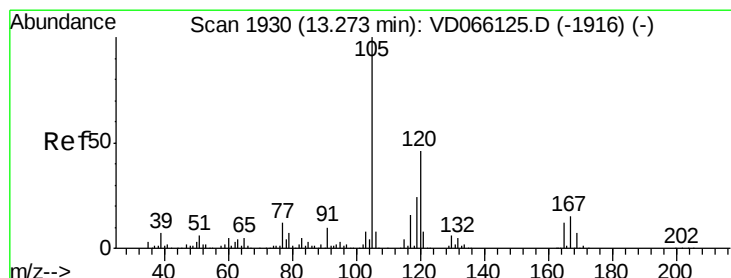
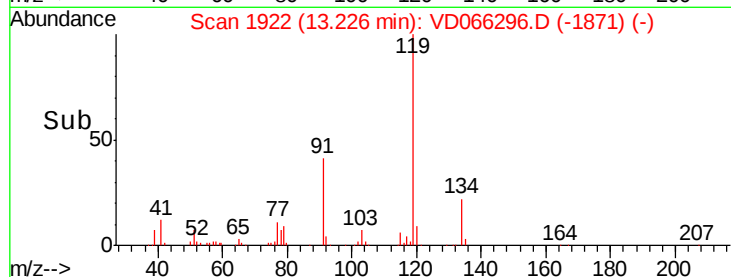
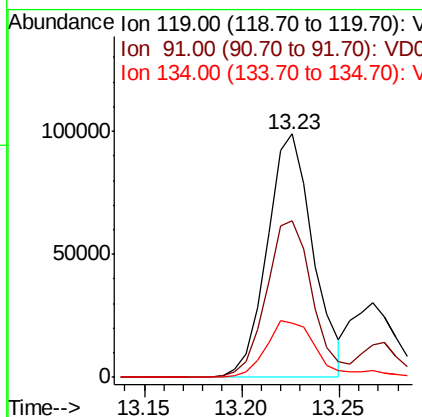
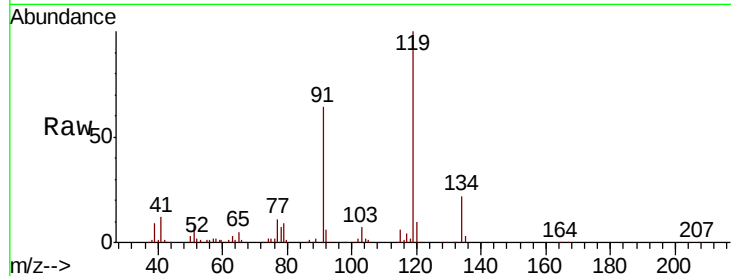




#83
tert-Butylbenzene
Concen: 19.815 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

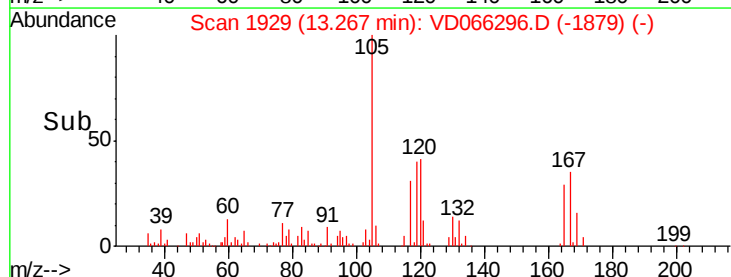
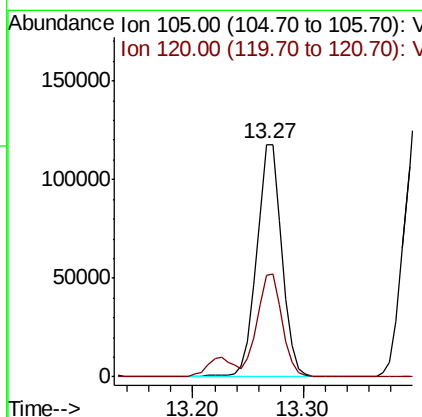
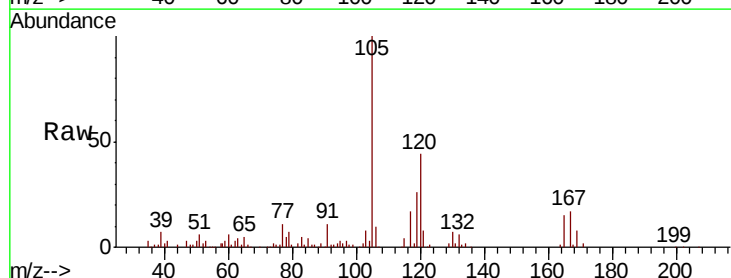
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

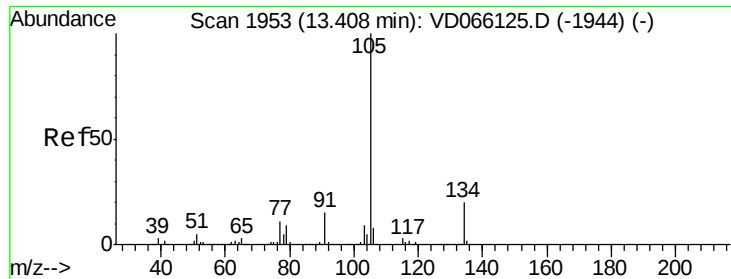
Tot Ion:119 Resp: 161000
Ion Ratio Lower Upper
119 100
91 65.3 30.8 92.4
134 26.4 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.361 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion:105 Resp: 188264
Ion Ratio Lower Upper
105 100
120 43.8 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.518 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

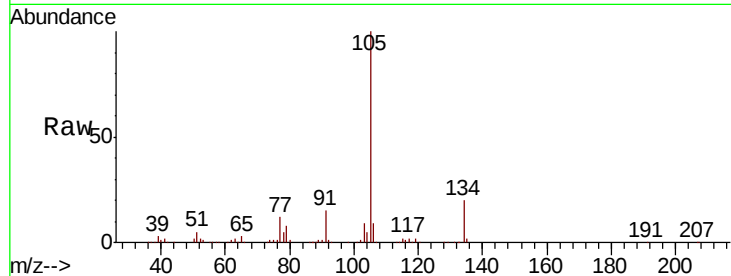
VD0818SBS02

Tot Ion:105 Resp: 214117

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

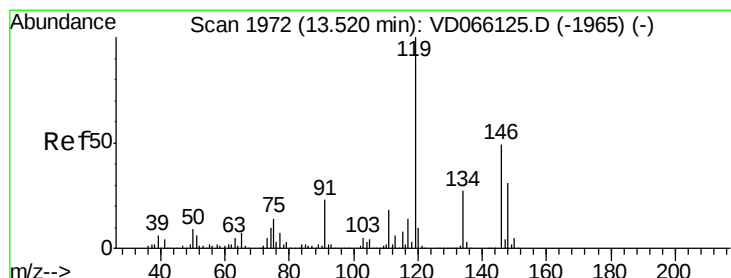
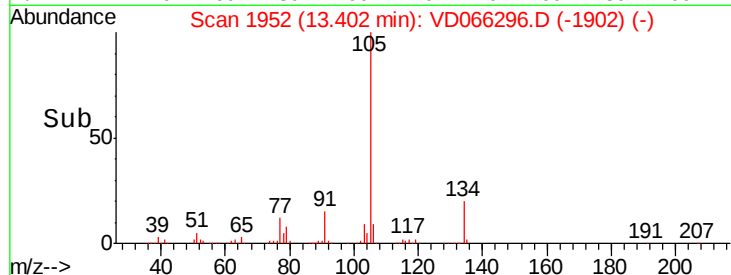
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.563 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

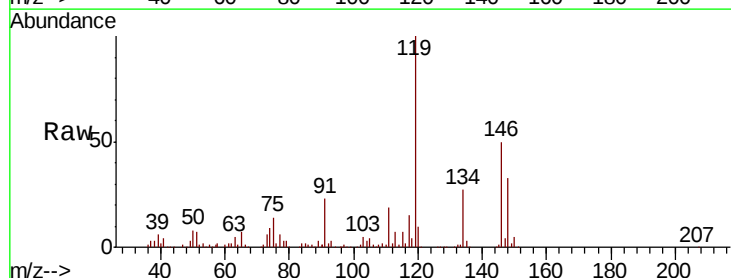
Tgt Ion:119 Resp: 201281

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 23.7 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

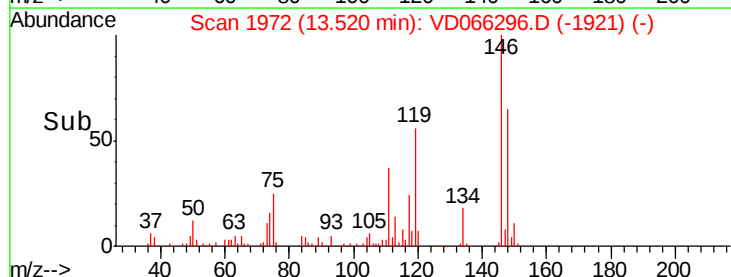
150000

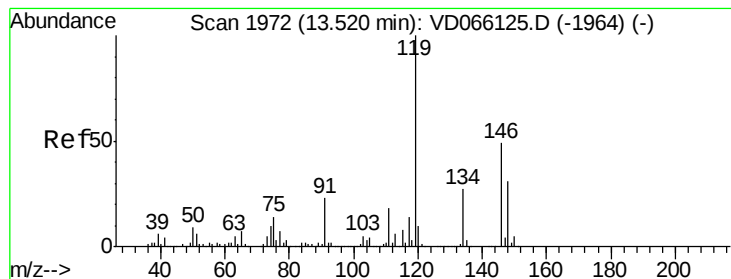
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.230 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

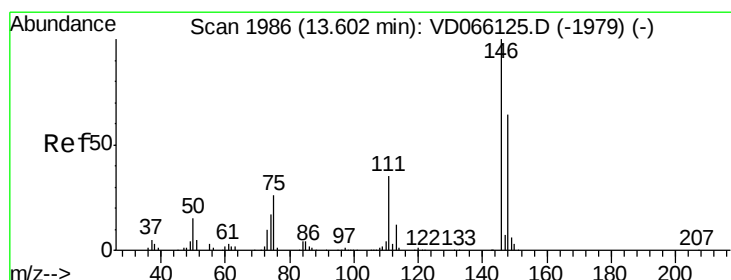
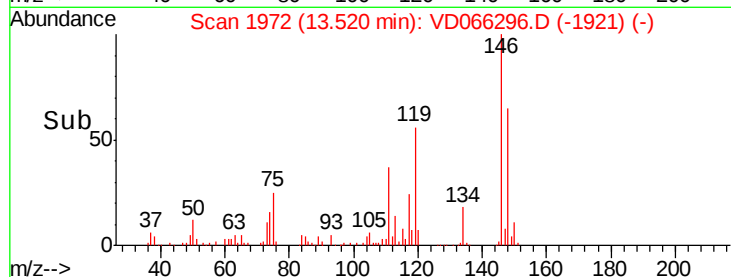
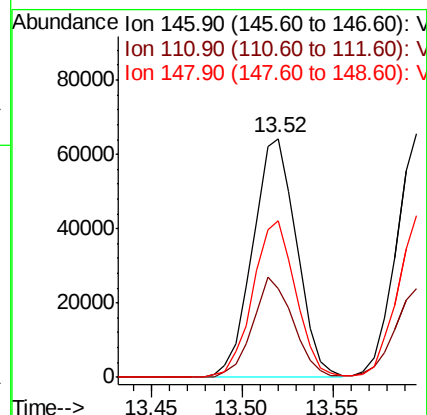
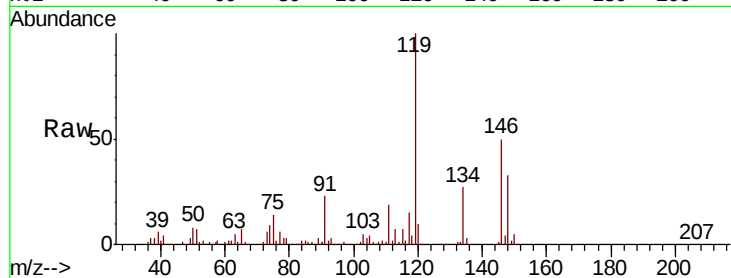
Tot Ion:146 Resp: 108129

Ion Ratio Lower Upper

146 100

111 38.7 18.9 56.9

148 63.7 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 20.168 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD066296.D

Acq: 19 Aug 2020 01:46

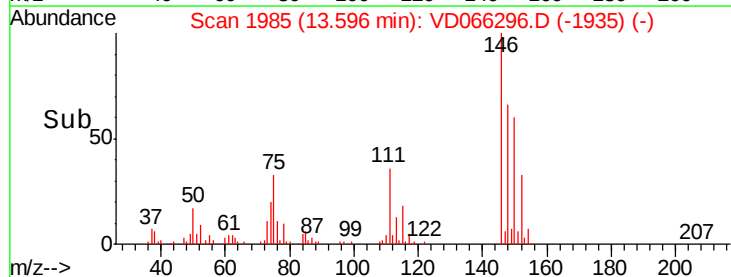
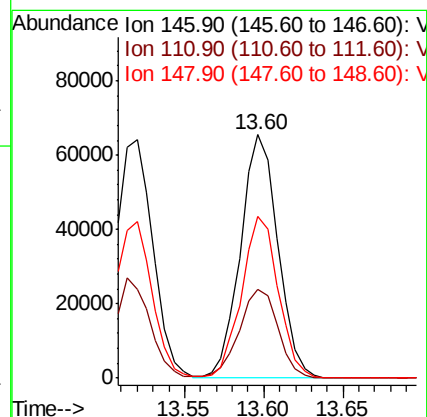
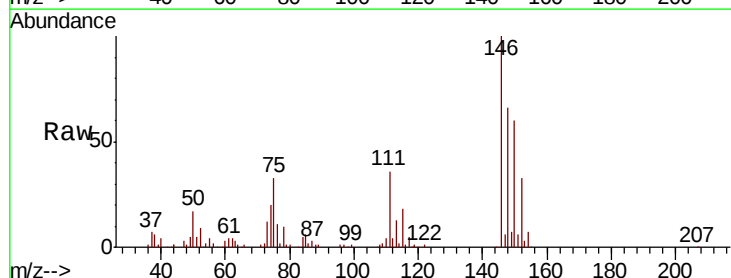
Tgt Ion:146 Resp: 107506

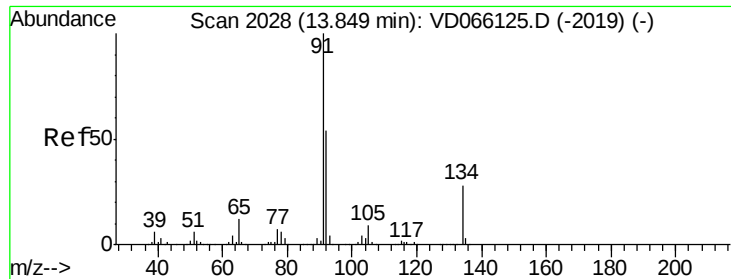
Ion Ratio Lower Upper

146 100

111 38.0 18.6 55.8

148 65.3 32.4 97.0

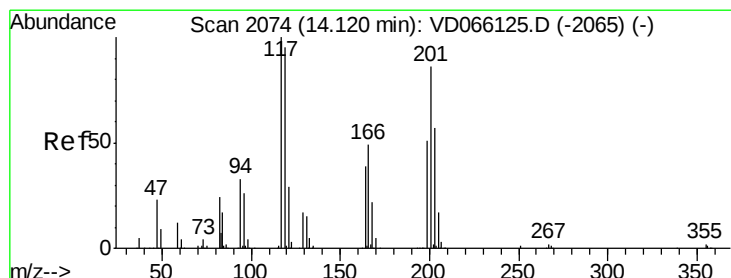
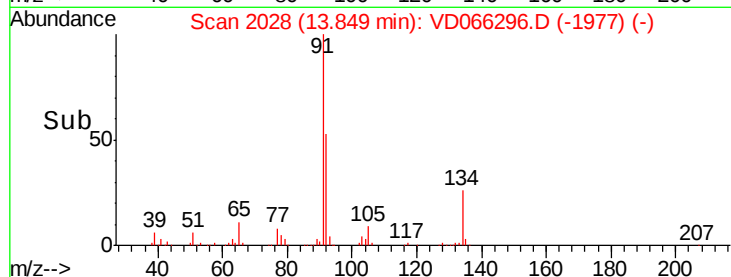
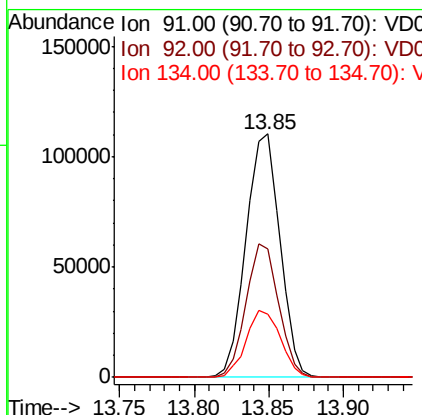
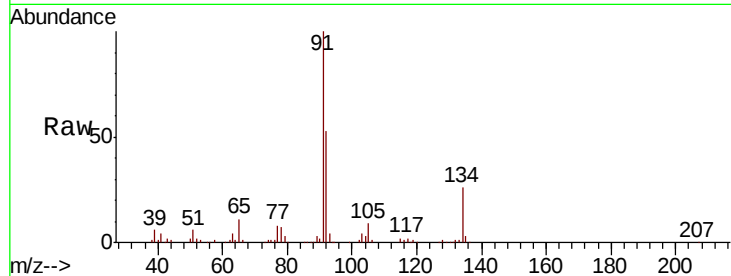




#89
n-Butylbenzene
Concen: 18.833 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

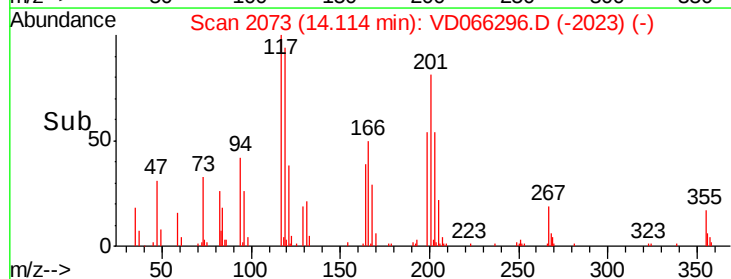
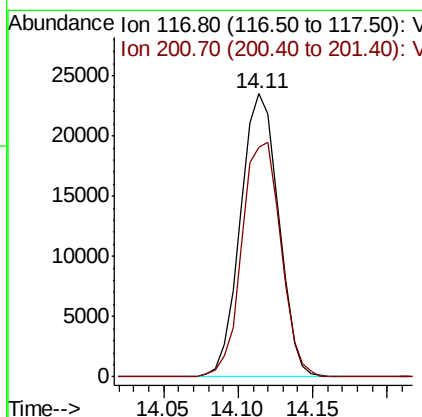
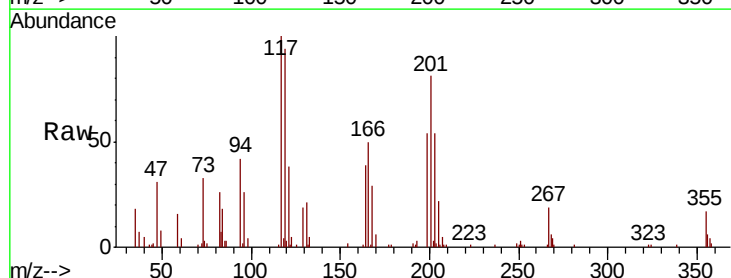
Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

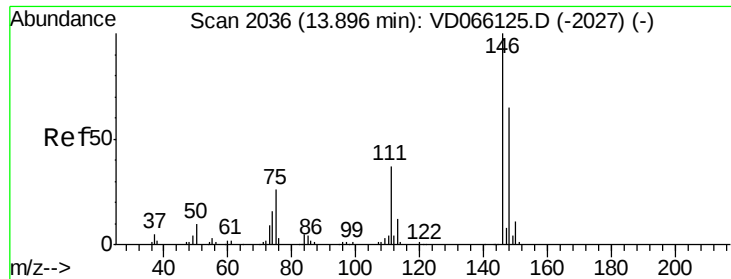
Tot Ion: 91 Resp: 173617
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.3
134 27.7 14.0 41.9



#90
Hexachloroethane
Concen: 20.285 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion: 117 Resp: 41626
Ion Ratio Lower Upper
117 100
201 84.6 42.7 128.1

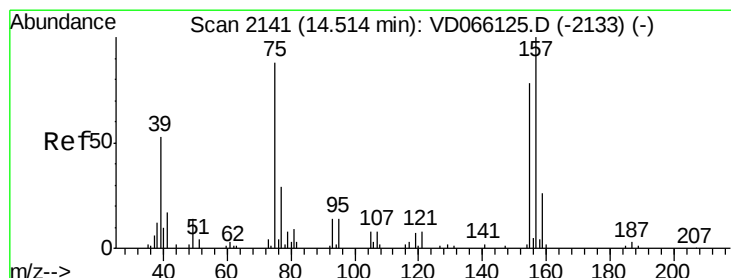
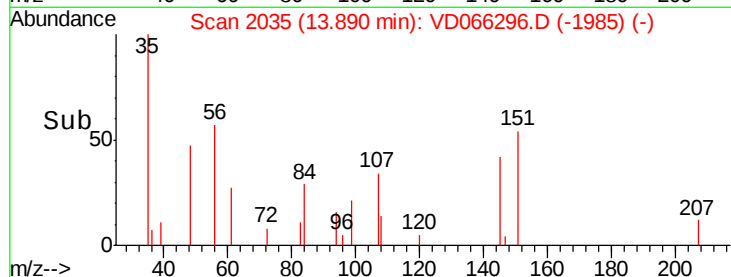
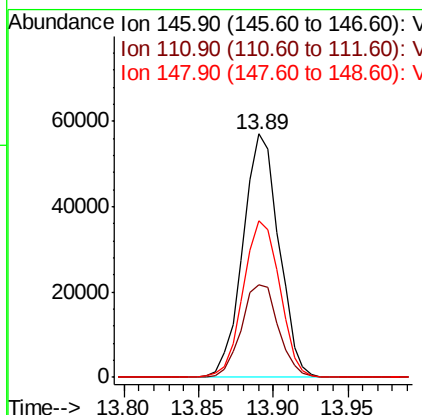
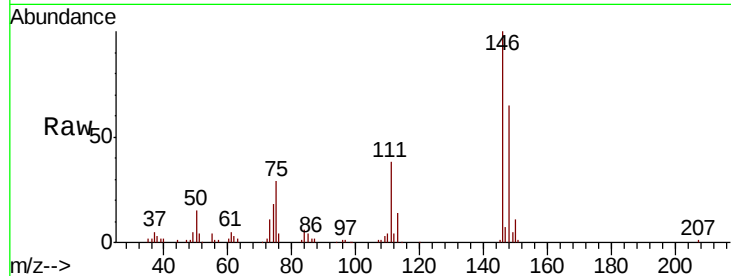




#91
 1,2-Dichlorobenzene
 Concen: 20.139 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

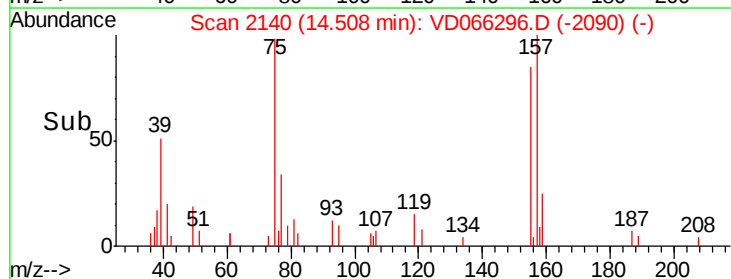
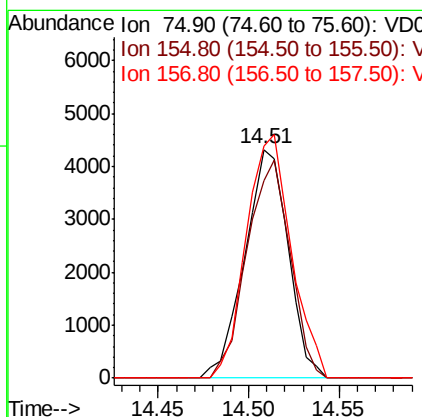
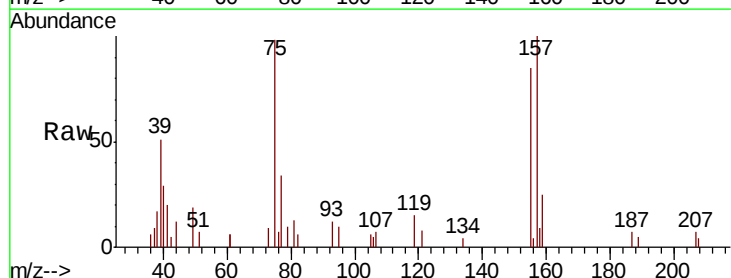
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

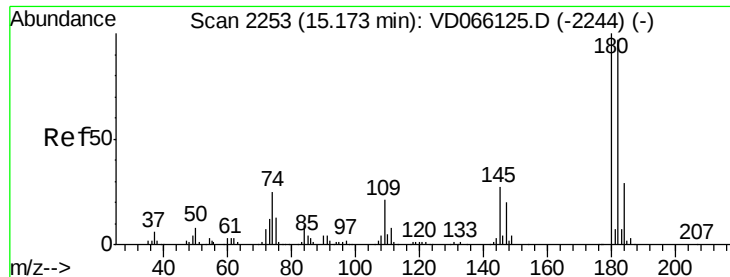
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.8	56.3
148	65.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.250 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	47.7	143.1
157	110.0	62.1	186.2

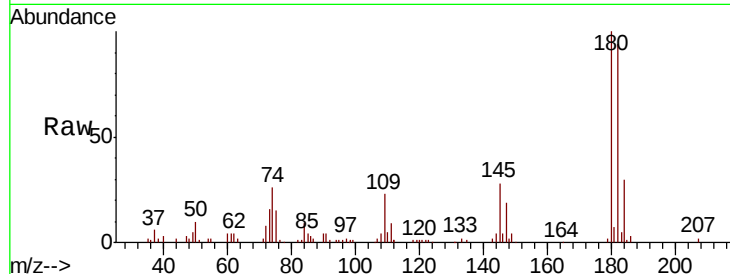




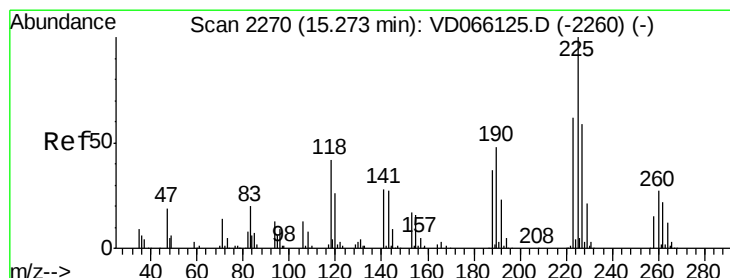
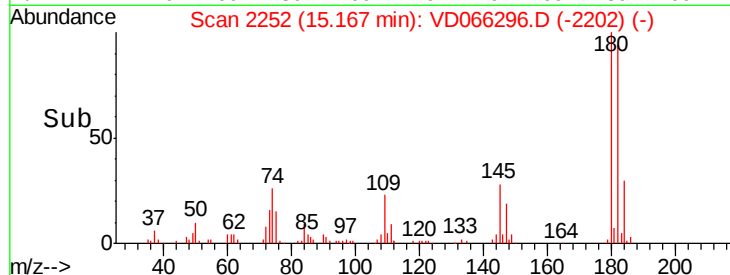
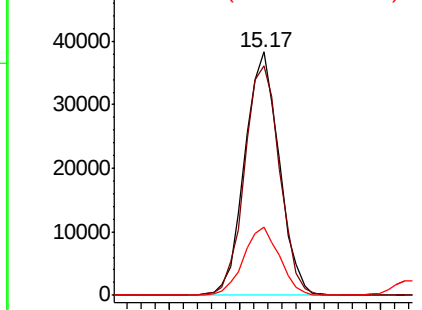
#93
 1,2,4-Trichlorobenzene
 Concen: 18.867 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion:180 Resp: 65724
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.4 142.2
 145 29.0 14.5 43.6

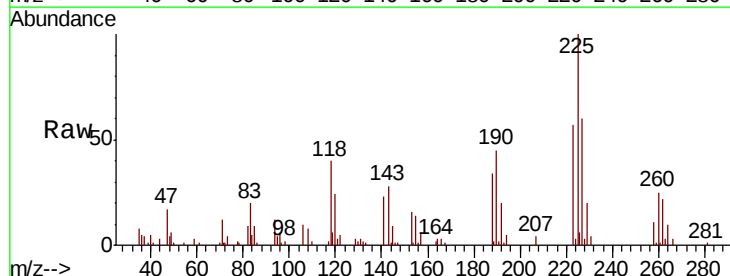


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

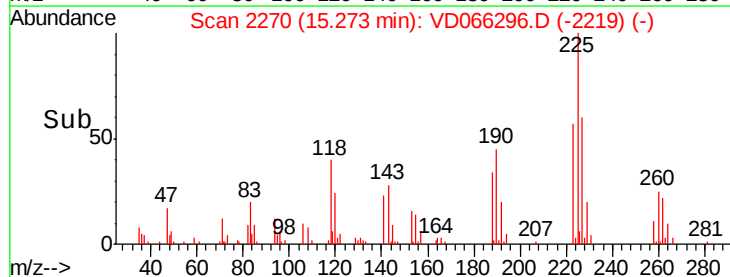
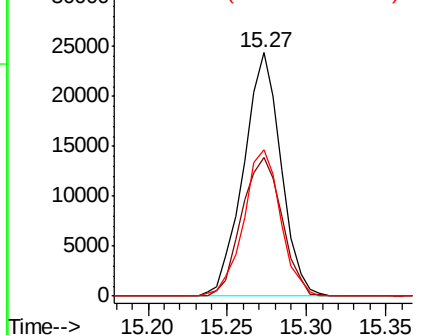


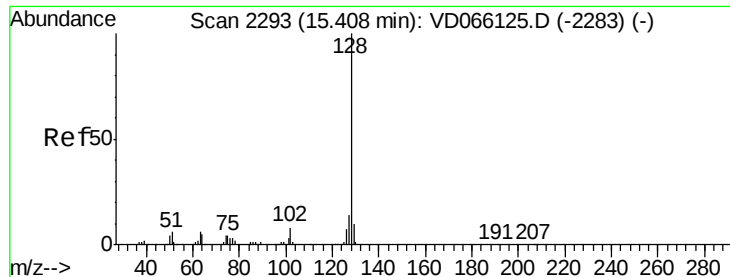
#94
 Hexachlorobutadiene
 Concen: 19.506 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066296.D
 Acq: 19 Aug 2020 01:46

Tgt Ion:225 Resp: 40012
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.3 96.9
 227 59.2 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

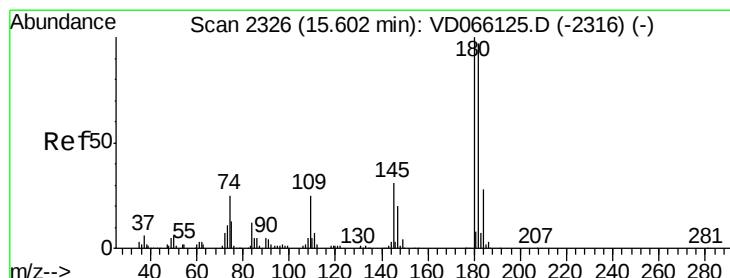
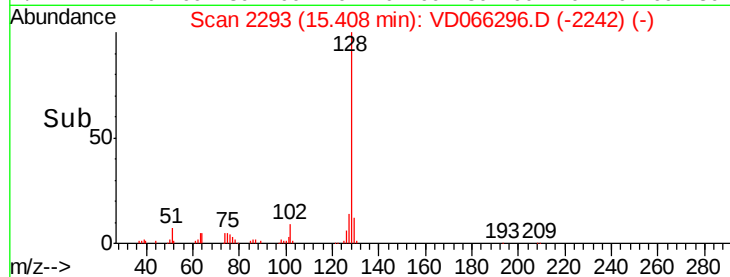
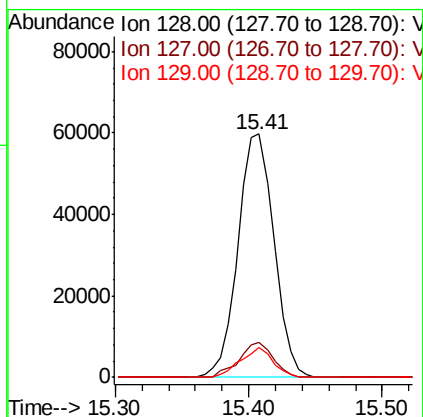
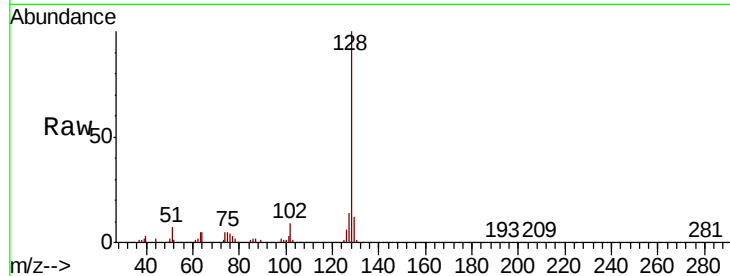




#95
Naphthalene
Concen: 19.646 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion:128 Resp: 111512
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.062 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066296.D
Acq: 19 Aug 2020 01:46

Tgt Ion:180 Resp: 58619
Ion Ratio Lower Upper
180 100
182 96.4 47.1 141.4
145 31.2 14.9 44.9

