

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066334.D
 Acq On : 20 Aug 2020 00:31
 Operator : VA/SY
 Sample : VD0819SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Quant Time: Aug 20 07:21:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	208621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	315799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	289238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	111474	59.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.78%	
35) Dibromofluoromethane	7.91	113	107985	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
50) Toluene-d8	10.34	98	382704	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.63	95	138931	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39323	21.394	ug/l	99
3) Chloromethane	2.20	50	29102	20.354	ug/l	92
4) Vinyl Chloride	2.35	62	28133	22.225	ug/l	96
5) Bromomethane	2.76	94	21514	25.617	ug/l	89
6) Chloroethane	2.92	64	17806	22.916	ug/l	97
7) Trichlorofluoromethane	3.27	101	71901	21.787	ug/l	91
8) Diethyl Ether	3.70	74	17959	19.286	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	39045	19.936	ug/l	98
10) Methyl Iodide	4.30	142	42457	27.326	ug/l	93
11) Tert butyl alcohol	5.19	59	16707	96.957	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	37173	20.120	ug/l	95
13) Acrolein	3.92	56	7403	49.970	ug/l	99
14) Allyl chloride	4.71	41	53794	19.219	ug/l	95
15) Acrylonitrile	5.42	53	38429	97.936	ug/l	96
16) Acetone	4.16	43	29710	84.128	ug/l	89
17) Carbon Disulfide	4.40	76	107733	18.339	ug/l	98
18) Methyl Acetate	4.71	43	18381	20.491	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	87038	20.553	ug/l	97
20) Methylene Chloride	4.97	84	71250	33.601	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	42391	19.973	ug/l	93
22) Diisopropyl ether	6.36	45	108049	19.521	ug/l	96
23) Vinyl Acetate	6.31	43	303432	93.574	ug/l	97
24) 1,1-Dichloroethane	6.27	63	71381	20.838	ug/l	95
25) 2-Butanone	7.21	43	45544	87.682	ug/l #	85
26) 2,2-Dichloropropane	7.21	77	63946	20.828	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	47636	21.398	ug/l	98
28) Bromochloromethane	7.54	49	26130	21.719	ug/l	94
29) Tetrahydrofuran	7.56	42	29356	91.220	ug/l	98
30) Chloroform	7.71	83	79245	22.032	ug/l	94
31) Cyclohexane	7.98	56	58344	17.893	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	76110	22.568	ug/l	97
36) 1,1-Dichloropropene	8.11	75	57947	19.527	ug/l	98
37) Ethyl Acetate	7.29	43	20971	17.836	ug/l	97
38) Carbon Tetrachloride	8.09	117	71441	21.588	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	64939	18.102	ug/l	94
40) Benzene	8.35	78	166714	20.251	ug/l	99
41) Methacrylonitrile	7.53	41	14028	20.291	ug/l	97
42) 1,2-Dichloroethane	8.42	62	54273	22.442	ug/l	97
43) Isopropyl Acetate	8.44	43	43378	18.725	ug/l	98
44) Trichloroethene	9.11	130	48656	19.614	ug/l	92
45) 1,2-Dichloropropane	9.38	63	38546	19.145	ug/l	92
46) Dibromomethane	9.47	93	22405	20.202	ug/l	98
47) Bromodichloromethane	9.66	83	61598	21.015	ug/l #	84
48) Methyl methacrylate	9.45	41	20564	17.384	ug/l #	80
49) 1,4-Dioxane	9.46	88	4707	330.358	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	106415	89.427	ug/l	100
52) Toluene	10.40	92	109172	20.154	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	55971	20.121	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	66042	20.264	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	31392	19.658	ug/l	97
56) Ethyl methacrylate	10.66	69	35845	18.685	ug/l #	94
57) 1,3-Dichloropropane	10.94	76	52979	19.983	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	90606	105.000	ug/l	98
59) 2-Hexanone	10.98	43	69981	83.796	ug/l	99
60) Dibromochloromethane	11.14	129	45994	20.862	ug/l	97
61) 1,2-Dibromoethane	11.24	107	31199	20.315	ug/l	100
64) Tetrachloroethene	10.87	164	45915	20.673	ug/l	96
65) Chlorobenzene	11.67	112	121378	20.672	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	50947	22.176	ug/l	96
67) Ethyl Benzene	11.74	91	205579	20.204	ug/l	98
68) m/p-Xylenes	11.85	106	162245	41.156	ug/l	96
69) o-Xylene	12.18	106	74736	20.840	ug/l	100
70) Styrene	12.20	104	128754	20.487	ug/l	96
71) Bromoform	12.36	173	28235	20.743	ug/l #	99
73) Isopropylbenzene	12.48	105	208972	21.558	ug/l	100
74) N-amyl acetate	12.29	43	36731	17.208	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	31889	19.293	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	43931	36.277	ug/l #	100
77) Bromobenzene	12.76	156	53851	21.581	ug/l	95
78) n-propylbenzene	12.82	91	237830	21.107	ug/l	99
79) 2-Chlorotoluene	12.91	91	140421	21.789	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	177860	21.940	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	9925	18.117	ug/l	87
82) 4-Chlorotoluene	13.01	91	146071	21.471	ug/l	99
83) tert-Butylbenzene	13.23	119	150340	21.087	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	172075	21.210	ug/l	99
85) sec-Butylbenzene	13.40	105	198036	20.574	ug/l	98
86) p-Isopropyltoluene	13.52	119	190822	21.137	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	96561	20.589	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	96812	20.699	ug/l	98
89) n-Butylbenzene	13.85	91	161310	19.943	ug/l	99
90) Hexachloroethane	14.11	117	38828	21.565	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	85083	20.514	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6287	22.131	ug/l	89

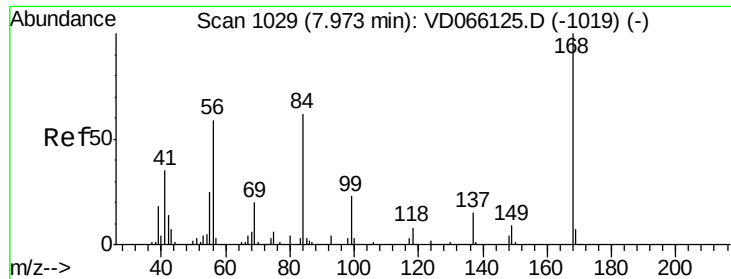
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58197	19.040	ug/l	95
94) Hexachlorobutadiene	15.27	225	38548	21.417	ug/l	94
95) Naphthalene	15.41	128	100353	20.150	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	53455	19.811	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

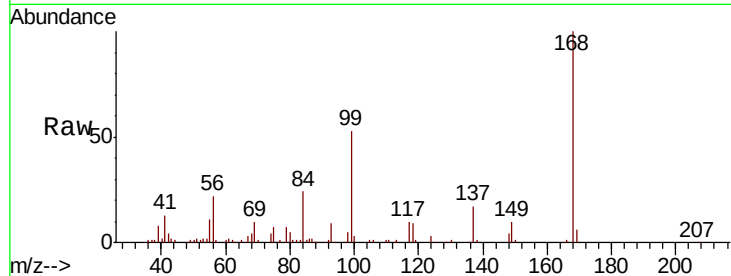
VD0819SBSD02

Tot Ion:168 Resp: 208621

Ion Ratio Lower Upper

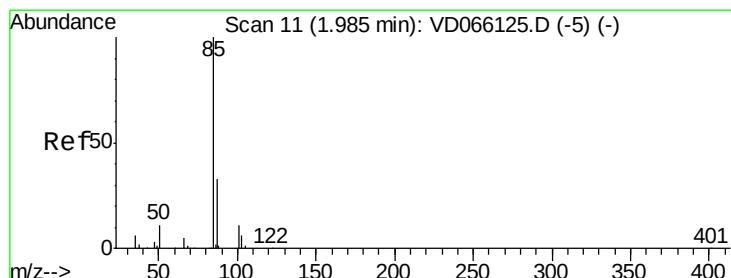
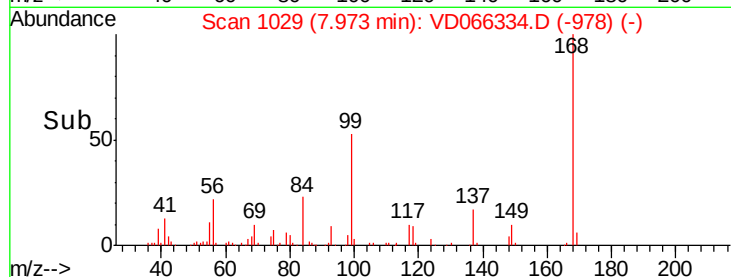
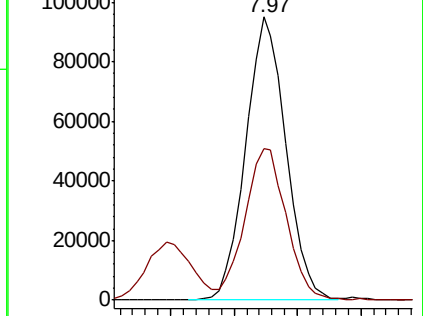
168 100

99 52.8 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: 21.394 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066334.D

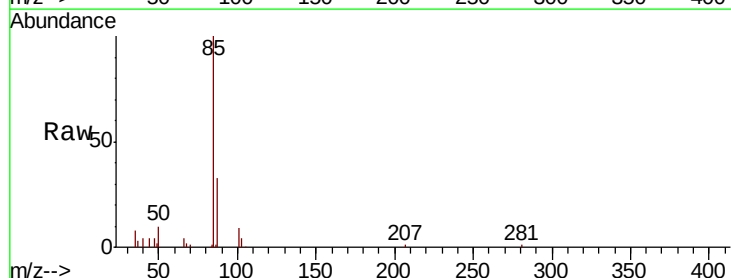
Acq: 20 Aug 2020 00:31

Tgt Ion: 85 Resp: 39323

Ion Ratio Lower Upper

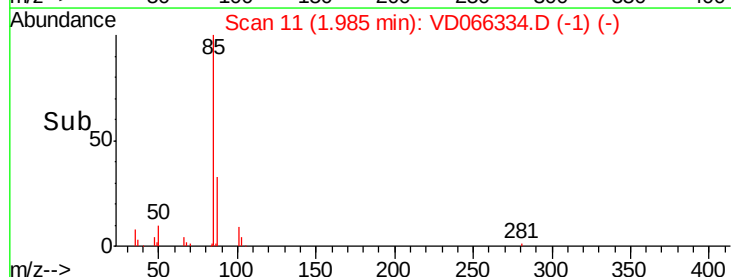
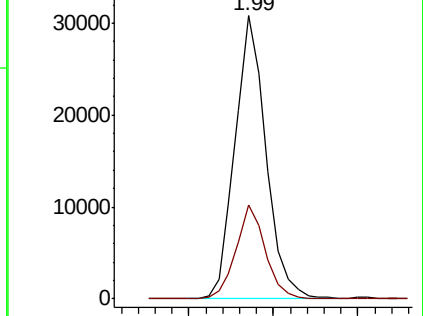
85 100

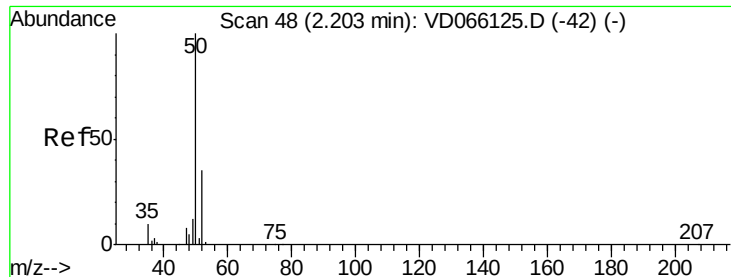
87 33.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.354 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

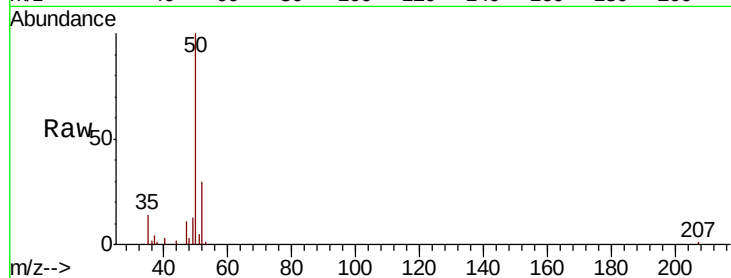
VD0819SBSD02

Tot Ion: 50 Resp: 29102

Ion Ratio Lower Upper

50 100

52 30.4 27.9 41.9

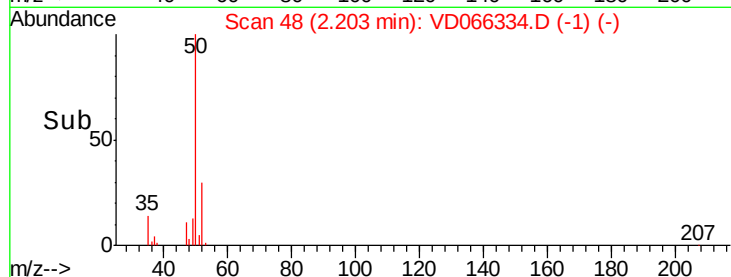


Abundance Ion 49.90 (49.60 to 50.60): VDC

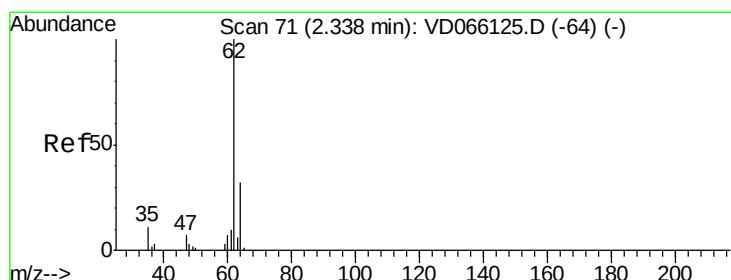
Ion 51.90 (51.60 to 52.60): VDC

2.20

2.25



Time-->



#4

Vinyl Chloride

Concen: 22.225 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066334.D

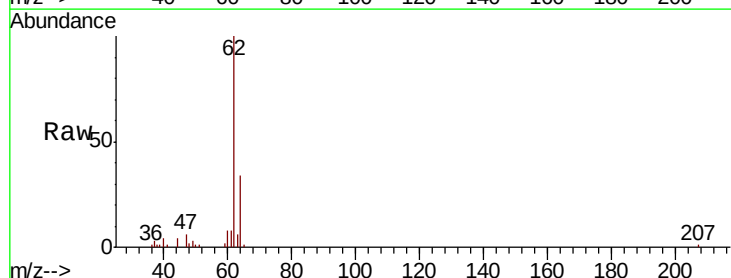
Acq: 20 Aug 2020 00:31

Tgt Ion: 62 Resp: 28133

Ion Ratio Lower Upper

62 100

64 34.5 25.8 38.8

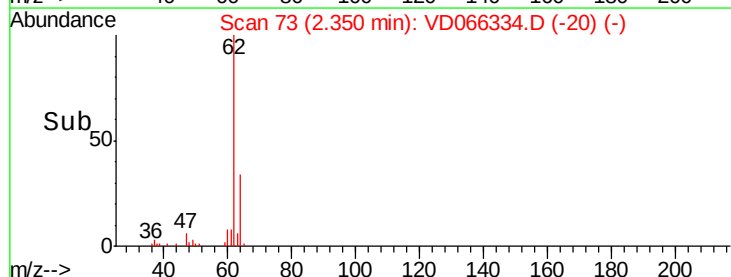


Abundance Ion 61.90 (61.60 to 62.60): VDC

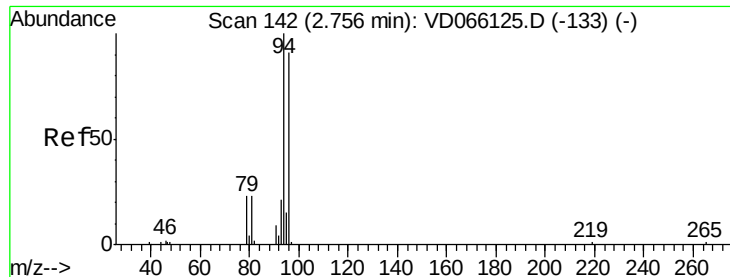
Ion 63.90 (63.60 to 64.60): VDC

2.35

2.40



Time-->



#5

Bromomethane

Concen: 25.617 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

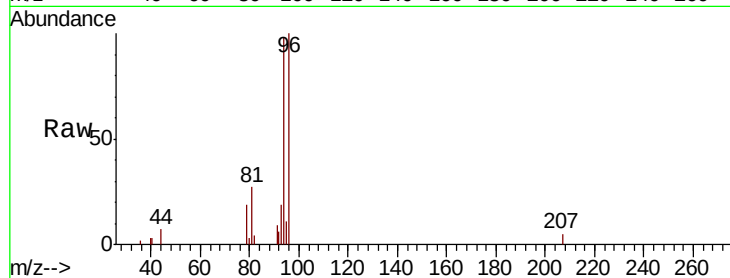
VD0819SBSD02

Tot Ion: 94 Resp: 21514

Ion Ratio Lower Upper

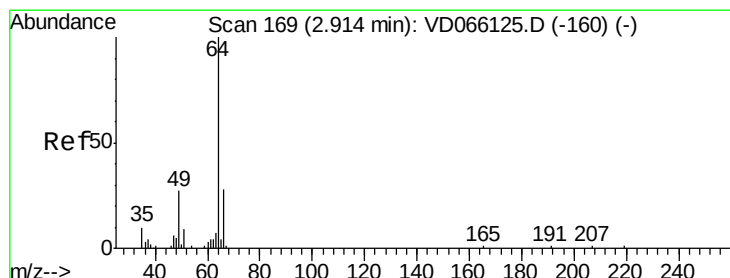
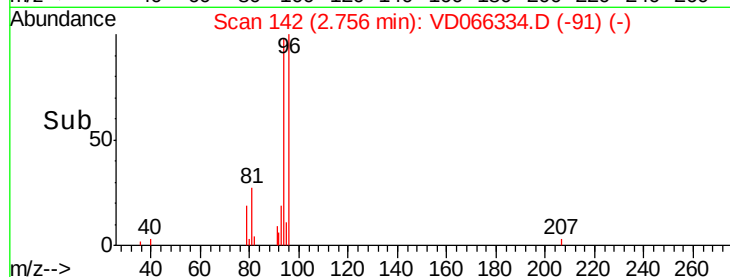
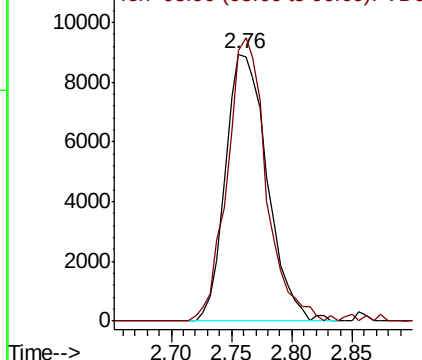
94 100

96 101.6 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.916 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066334.D

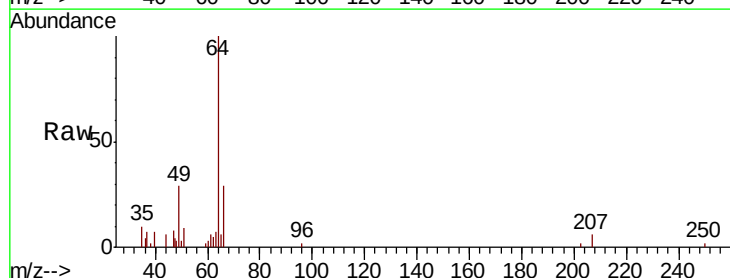
Acq: 20 Aug 2020 00:31

Tgt Ion: 64 Resp: 17806

Ion Ratio Lower Upper

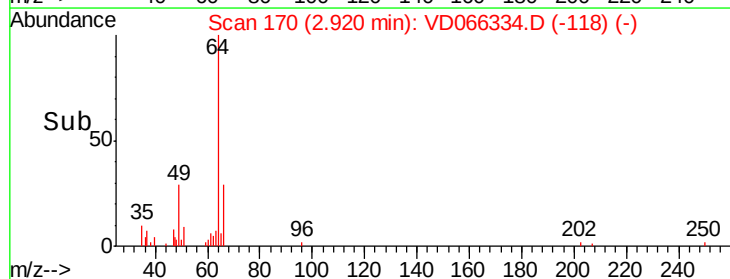
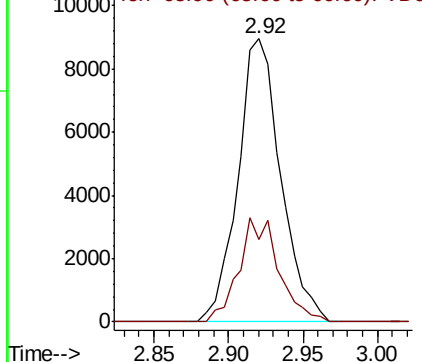
64 100

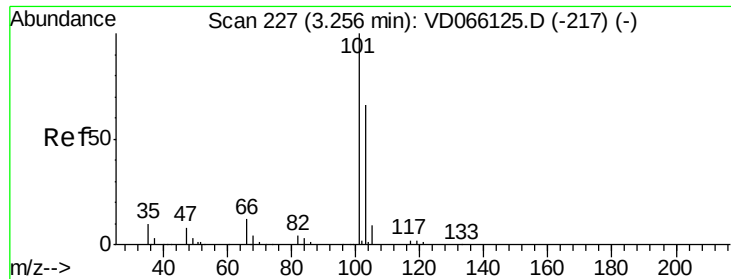
66 29.0 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.787 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.02 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

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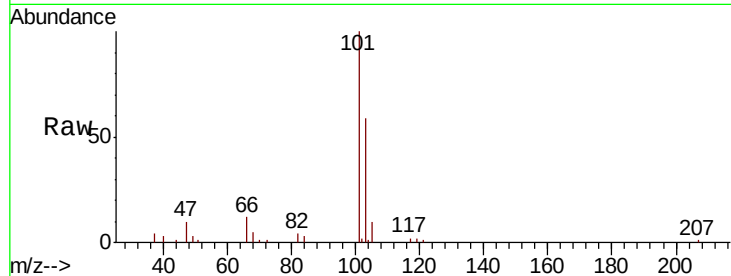
VD0819SBSD02

Tot Ion:101 Resp: 71901

Ion Ratio Lower Upper

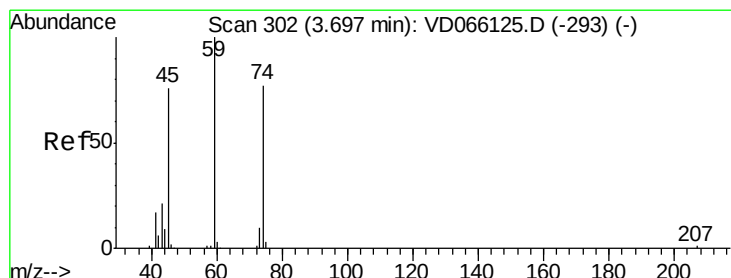
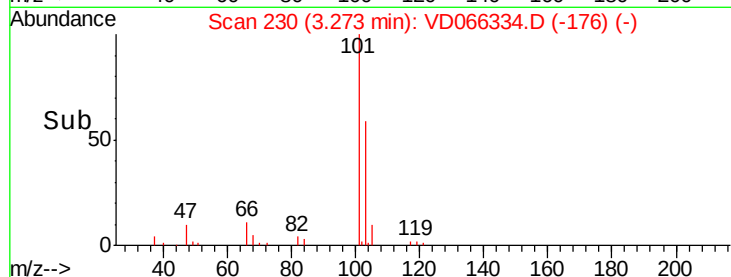
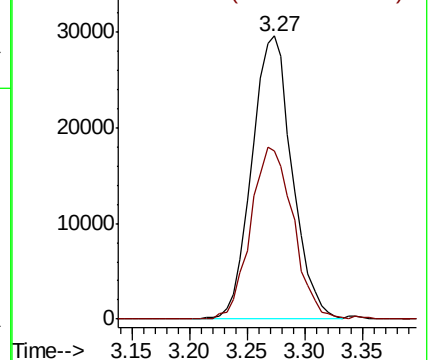
101 100

103 59.2 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: 19.286 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066334.D

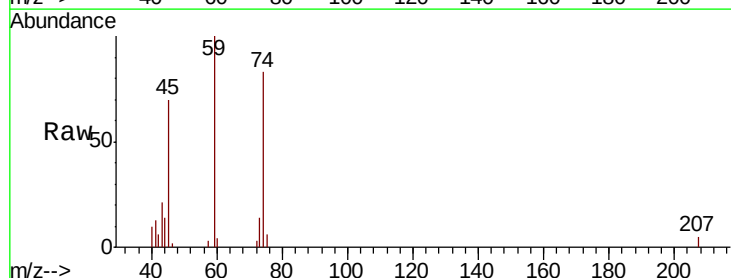
Acq: 20 Aug 2020 00:31

Tgt Ion: 74 Resp: 17959

Ion Ratio Lower Upper

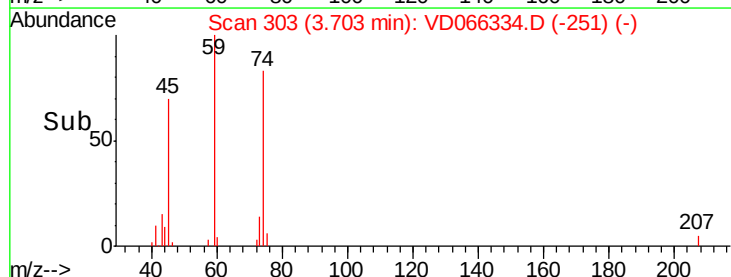
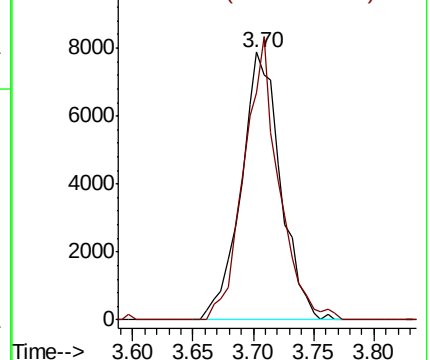
74 100

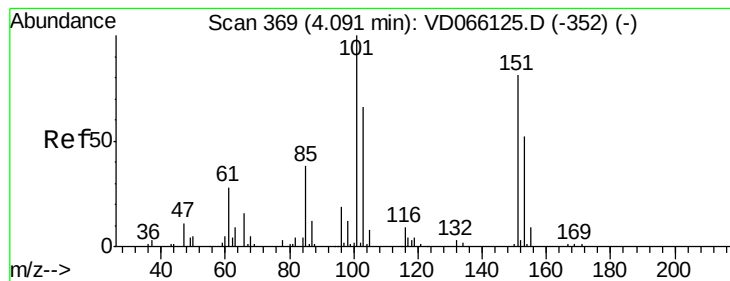
45 93.4 48.4 145.2



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: 19.936 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

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ClientSampleId :

VD0819SBSD02

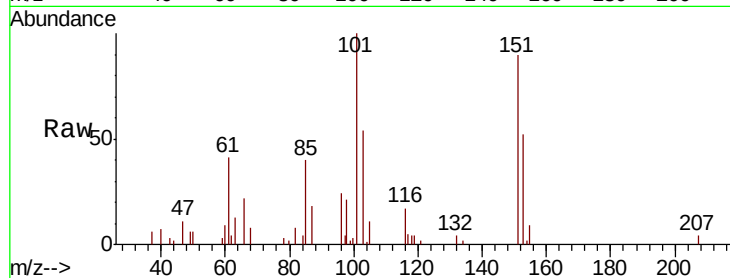
Tot Ion:101 Resp: 39045

Ion Ratio Lower Upper

101 100

85 44.3 33.5 50.3

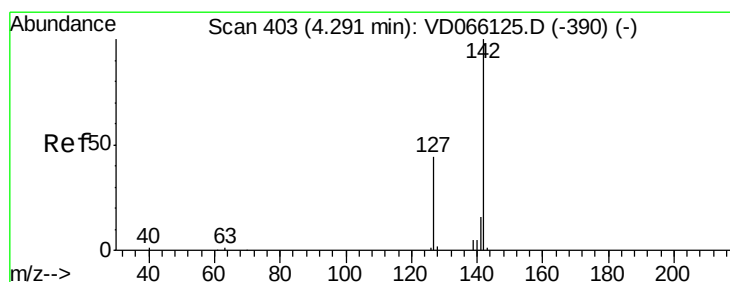
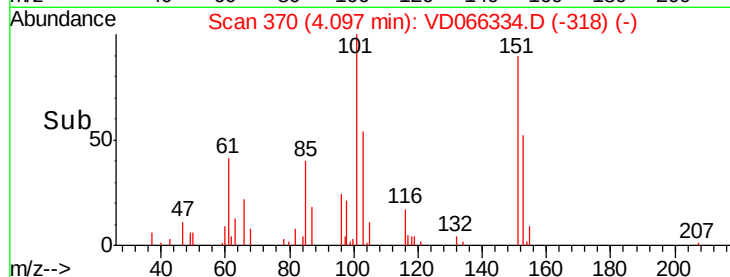
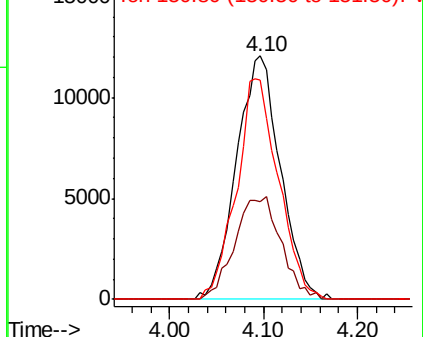
151 86.4 67.8 101.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VD

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 27.326 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

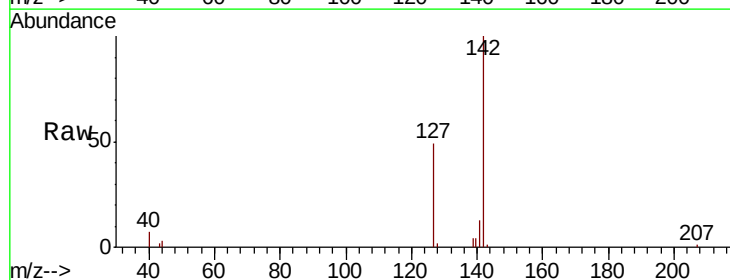
Tgt Ion:142 Resp: 42457

Ion Ratio Lower Upper

142 100

127 50.3 36.2 54.4

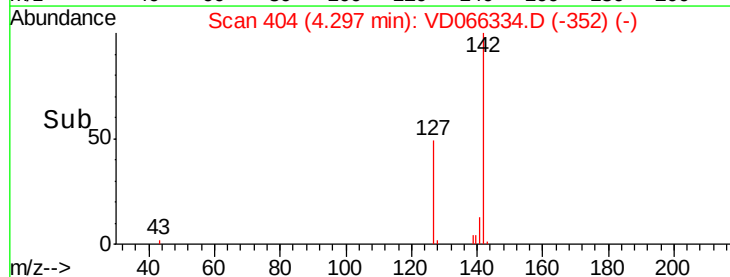
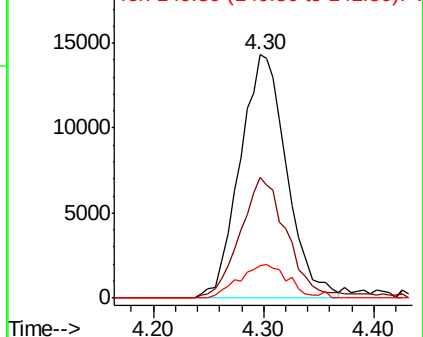
141 14.2 12.6 18.8

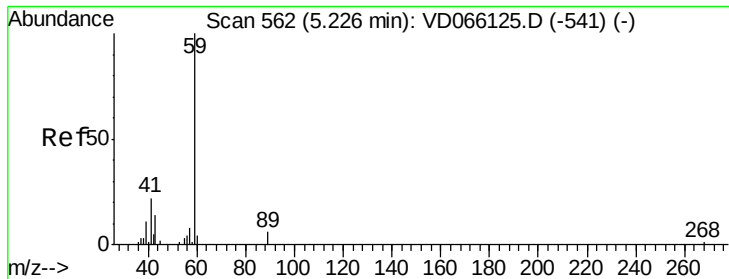


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



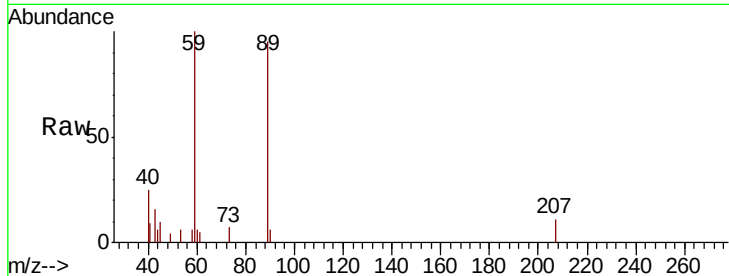


#11

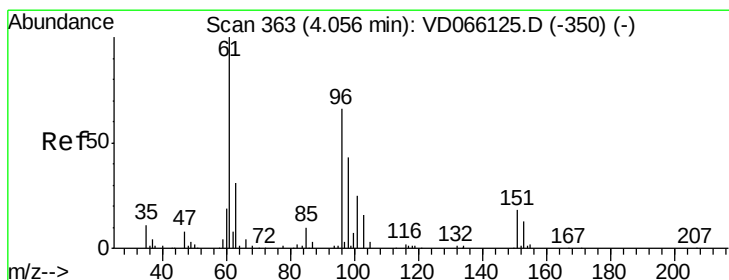
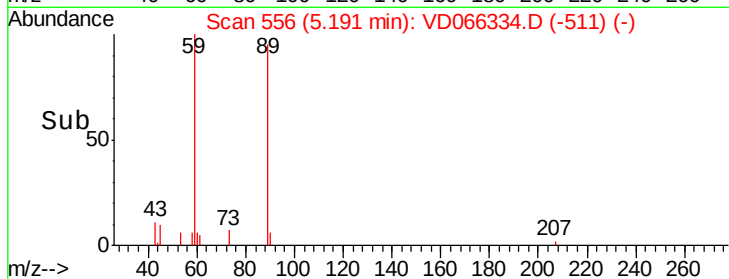
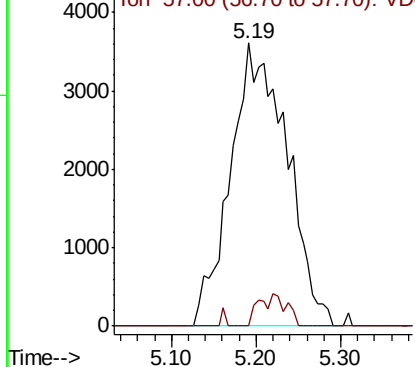
Tert butyl alcohol
Concen: 96.957 ug/l
RT: 5.19 min Scan# 556
Delta R.T. -0.04 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Tot Ion: 59 Resp: 16707
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



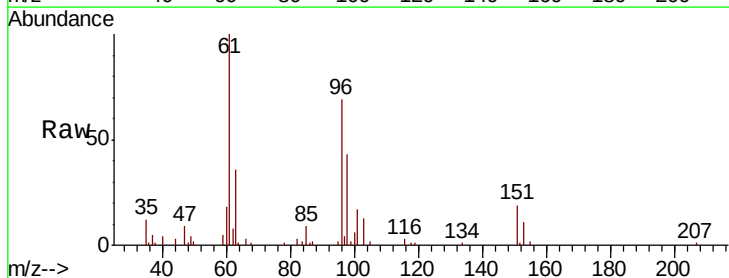
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



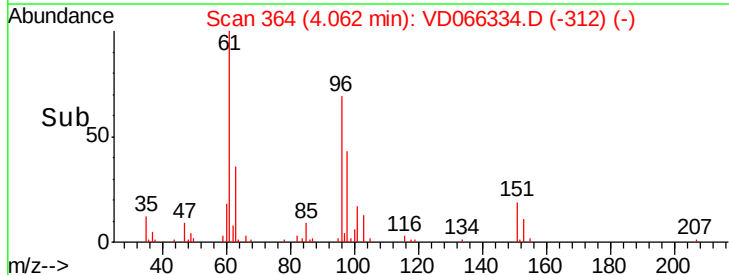
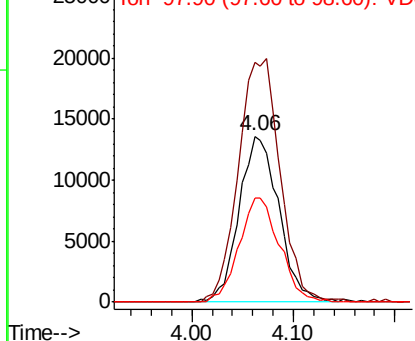
#12

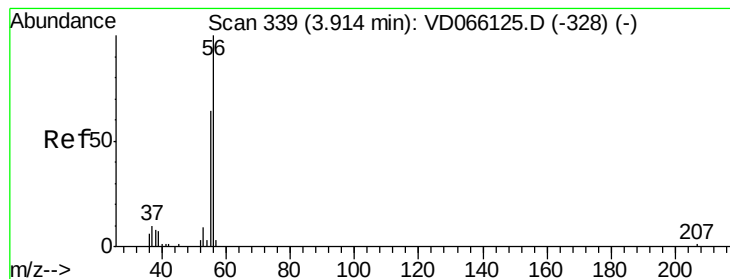
1,1-Dichloroethene
Concen: 20.120 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 96 Resp: 37173
Ion Ratio Lower Upper
96 100
61 144.2 121.6 182.4
98 62.6 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: 49.970 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

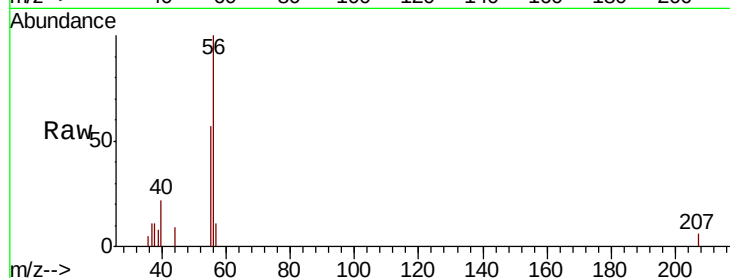
VD0819SBS02

Tot Ion: 56 Resp: 7403

Ion Ratio Lower Upper

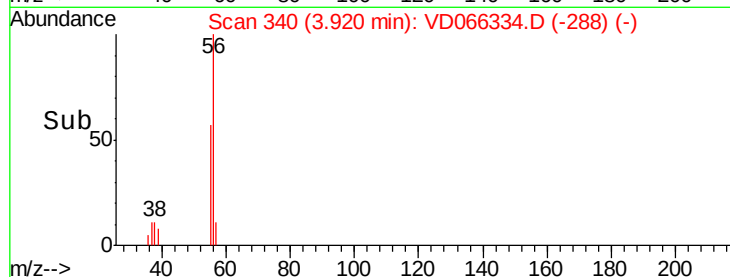
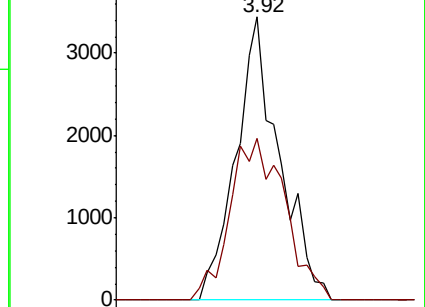
56 100

55 72.1 56.7 85.1

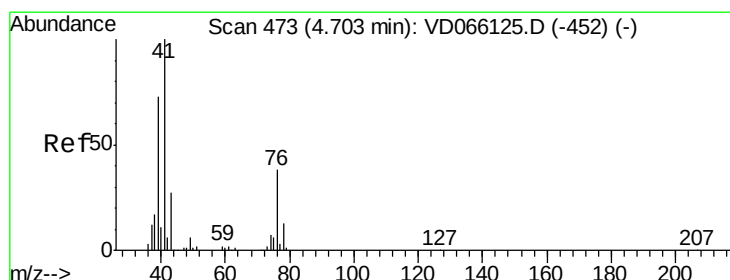


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#14

Allyl chloride

Concen: 19.219 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

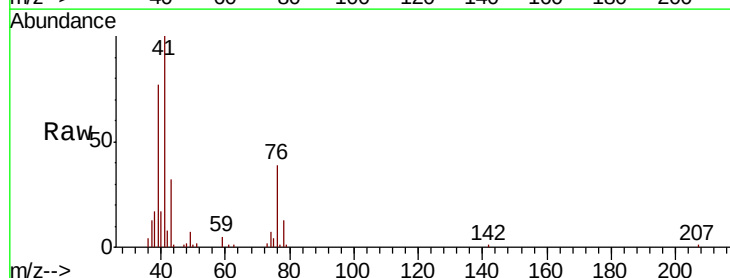
Tgt Ion: 41 Resp: 53794

Ion Ratio Lower Upper

41 100

39 77.0 57.4 86.0

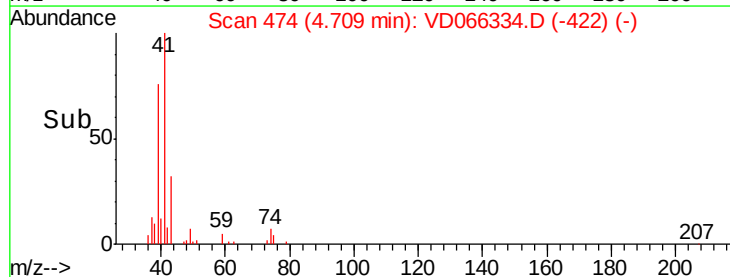
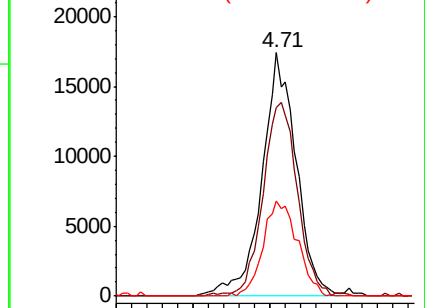
76 39.1 30.1 45.1



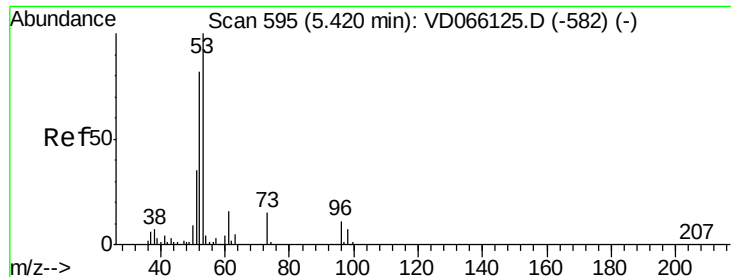
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC



Time-->



#15

Acrylonitrile

Concen: 97.936 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD02

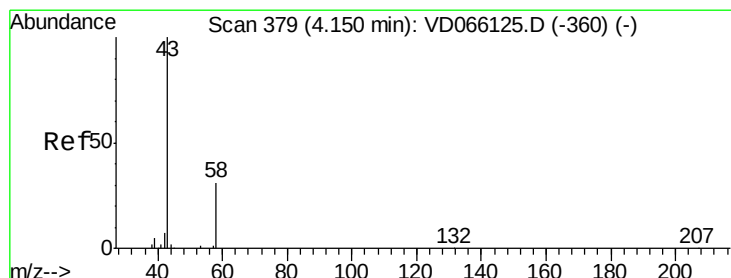
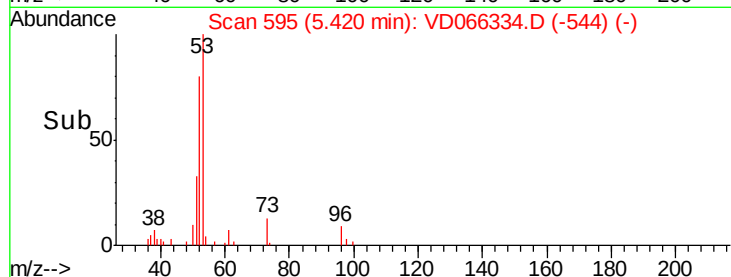
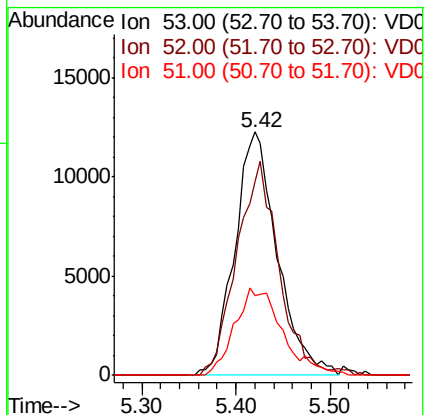
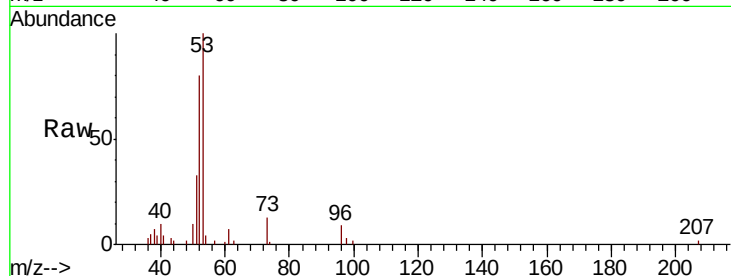
Tot Ion: 53 Resp: 38429

Ion Ratio Lower Upper

53 100

52 86.7 66.1 99.1

51 40.3 30.8 46.2



#16

Acetone

Concen: 84.128 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066334.D

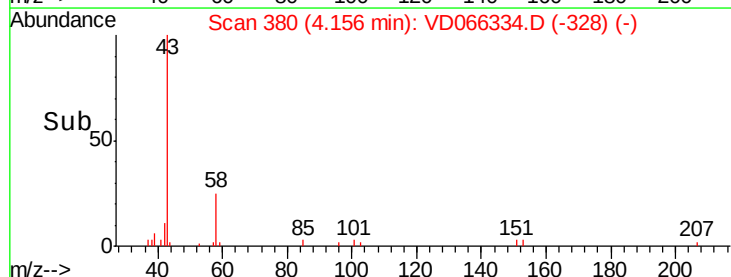
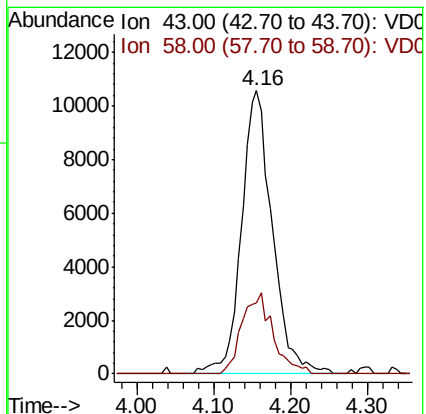
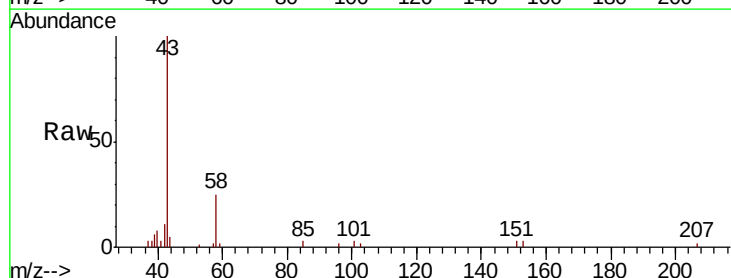
Acq: 20 Aug 2020 00:31

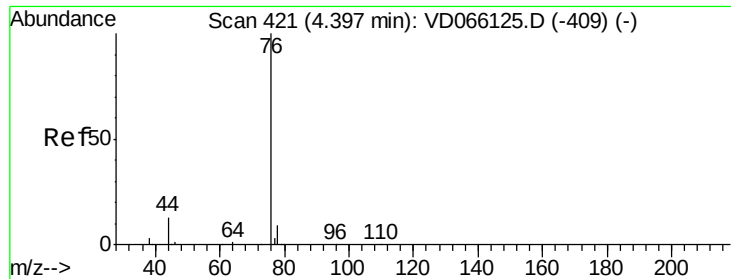
Tgt Ion: 43 Resp: 29710

Ion Ratio Lower Upper

43 100

58 24.9 24.7 37.1

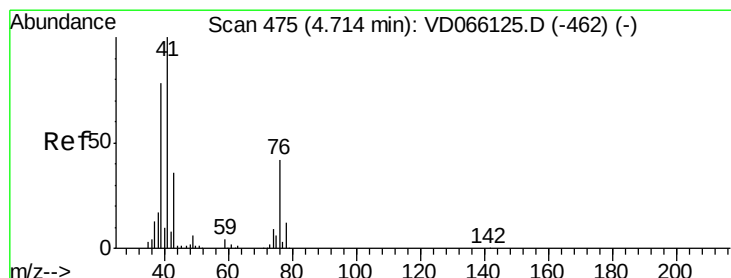
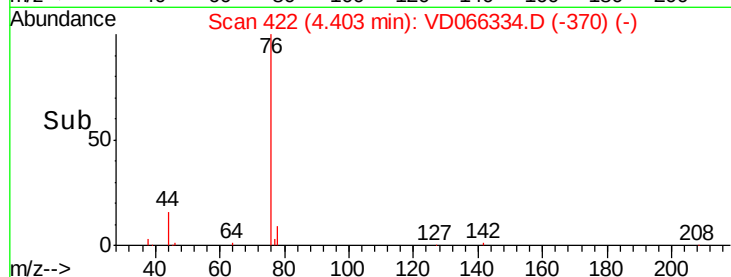
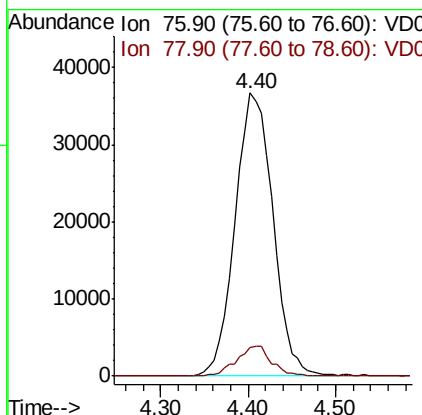
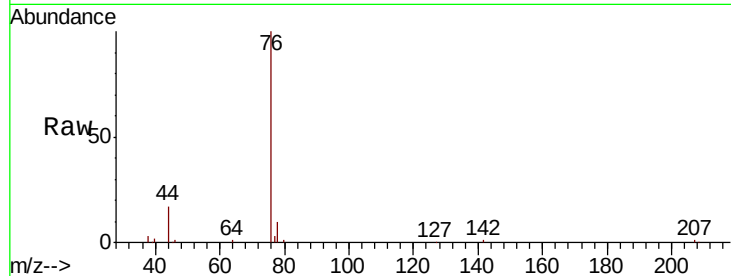




#17
Carbon Disulfide
Concen: 18.339 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

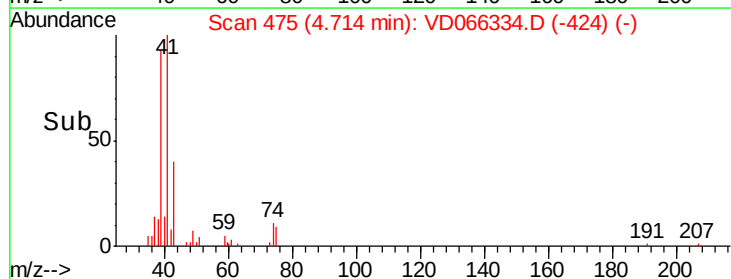
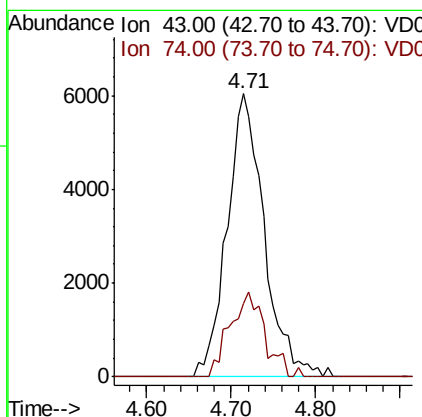
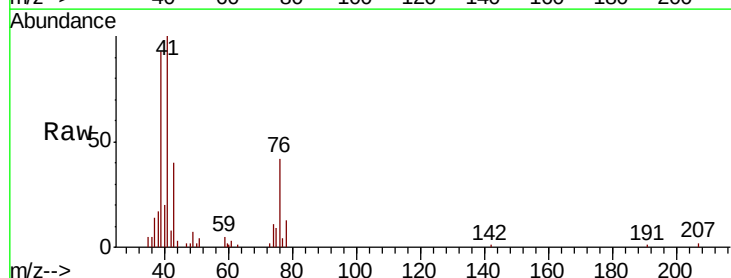
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

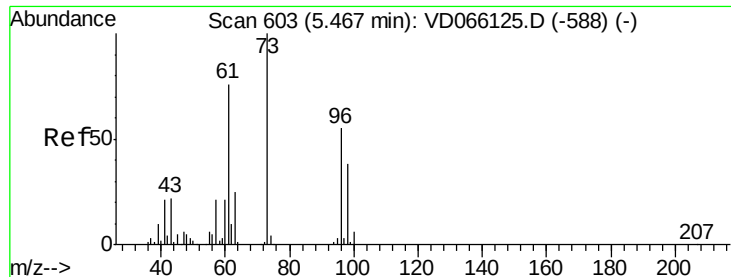
Tot Ion: 76 Resp: 107733
Ion Ratio Lower Upper
76 100
78 10.1 7.5 11.3



#18
Methyl Acetate
Concen: 20.491 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 43 Resp: 18381
Ion Ratio Lower Upper
43 100
74 27.7 21.2 31.8



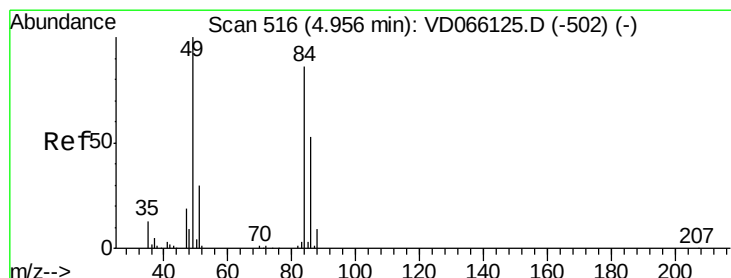
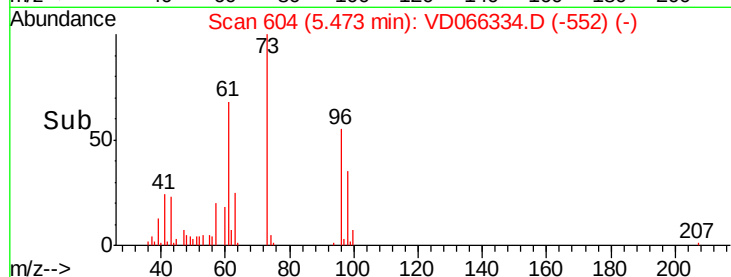
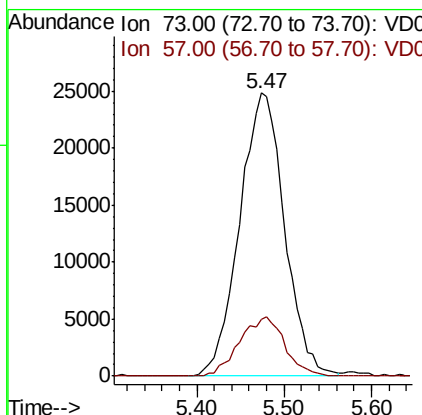
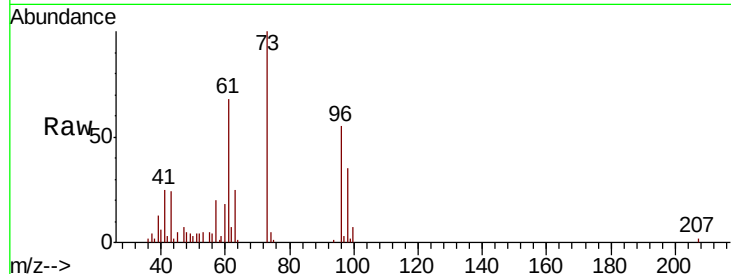


#19

Methyl tert-butyl Ether
 Concen: 20.553 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

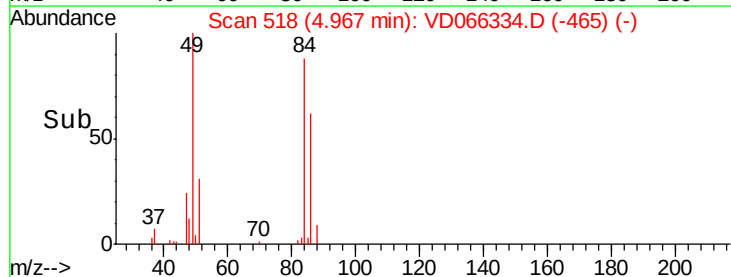
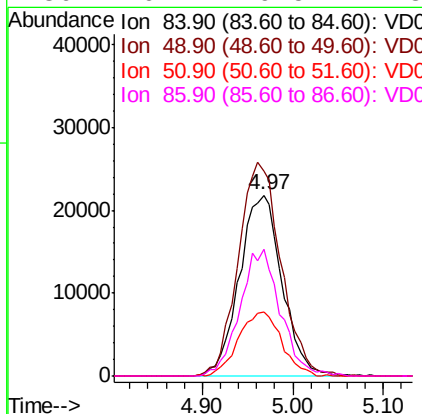
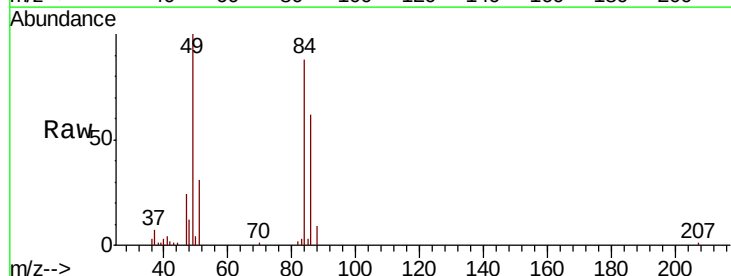
Tot Ion: 73 Resp: 87038
 Ion Ratio Lower Upper
 73 100
 57 20.0 17.1 25.7

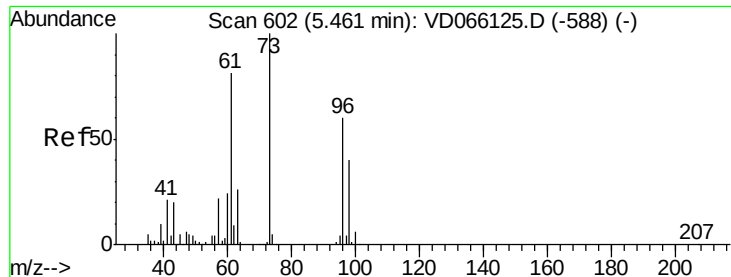


#20

Methylene Chloride
 Concen: 33.601 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion: 84 Resp: 71250
 Ion Ratio Lower Upper
 84 100
 49 113.4 93.5 140.3
 51 35.5 28.2 42.4
 86 70.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.973 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

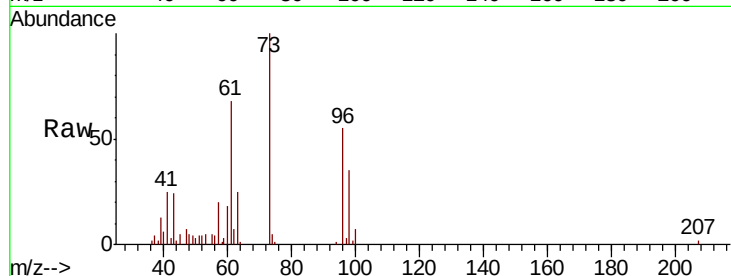
Tot Ion: 96 Resp: 42391

Ion Ratio Lower Upper

96 100

61 123.4 106.9 160.3

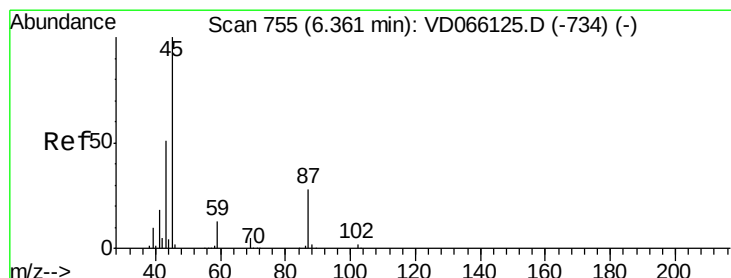
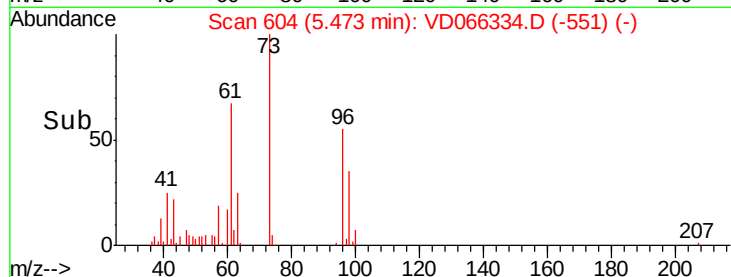
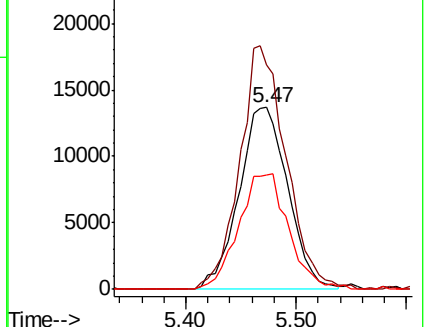
98 62.9 53.4 80.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.521 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Tgt Ion: 45 Resp: 108049

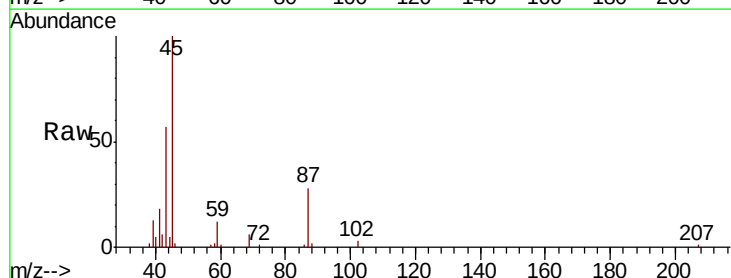
Ion Ratio Lower Upper

45 100

43 56.3 41.2 61.8

87 27.9 22.8 34.2

59 12.3 10.2 15.2

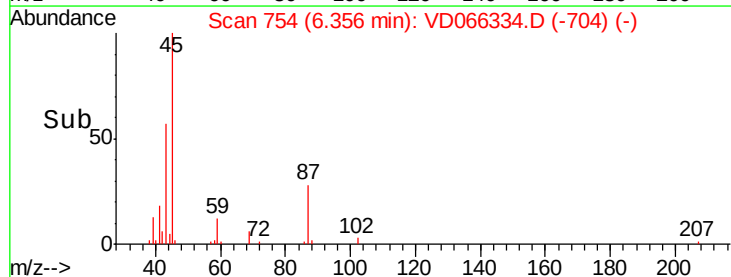
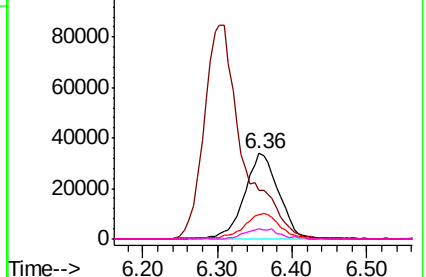


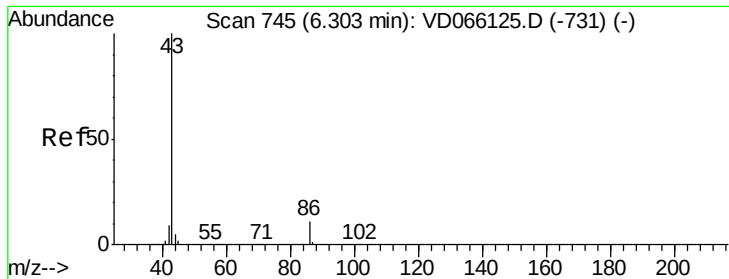
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 93.574 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

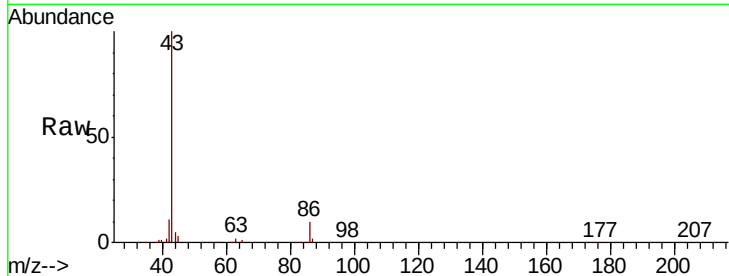
VD0819SBS02

Tot Ion: 43 Resp: 303432

Ion Ratio Lower Upper

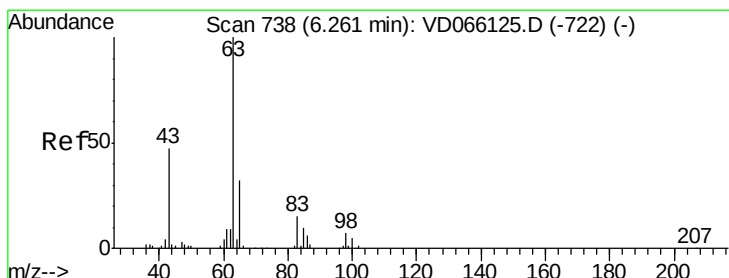
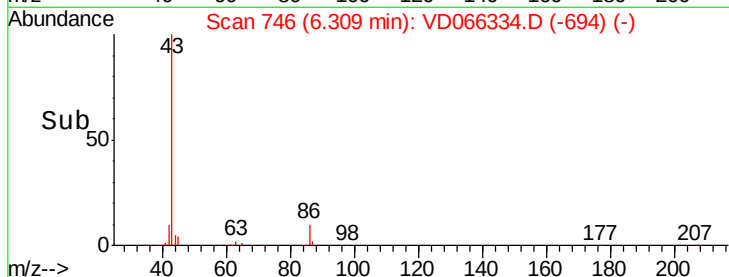
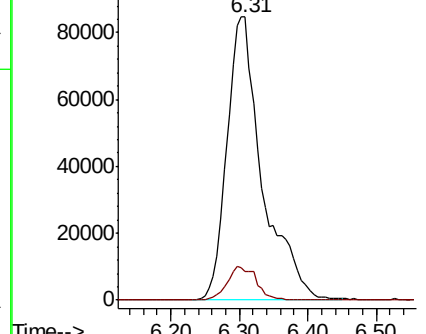
43 100

86 10.2 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.838 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

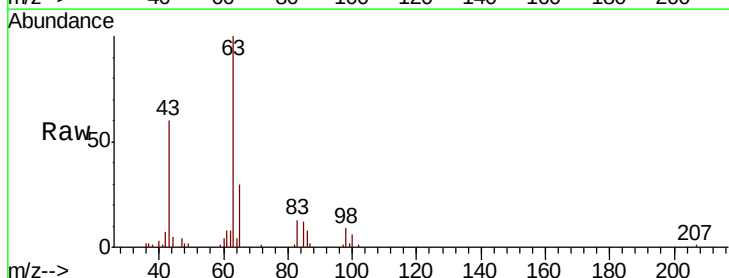
Tgt Ion: 63 Resp: 71381

Ion Ratio Lower Upper

63 100

98 8.9 3.5 10.5

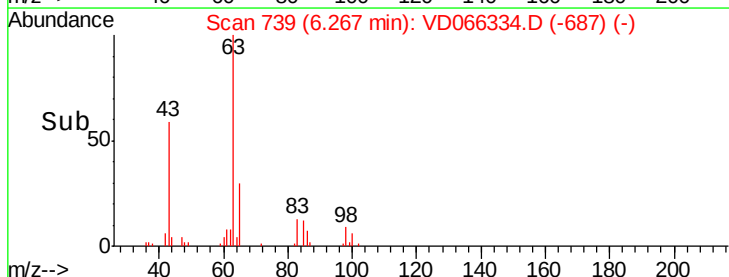
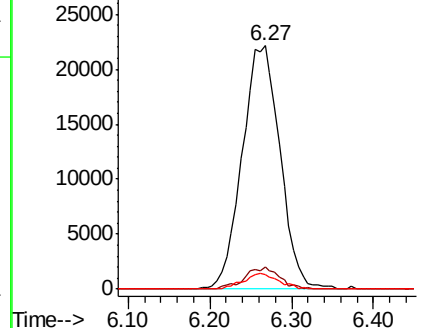
100 6.0 2.4 7.2

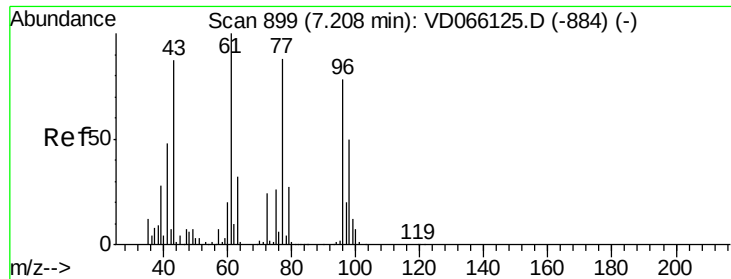


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 87.682 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

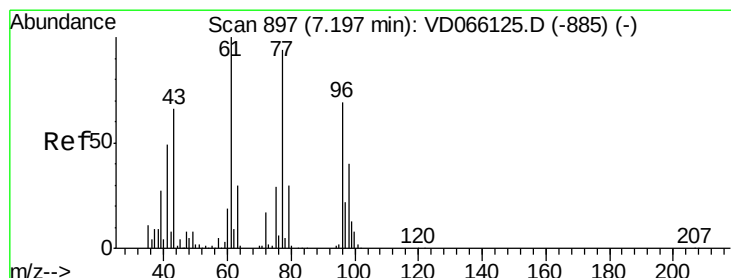
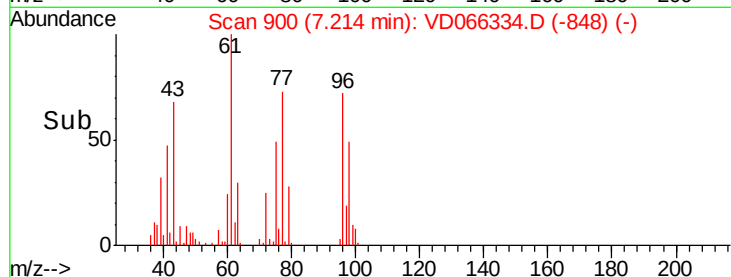
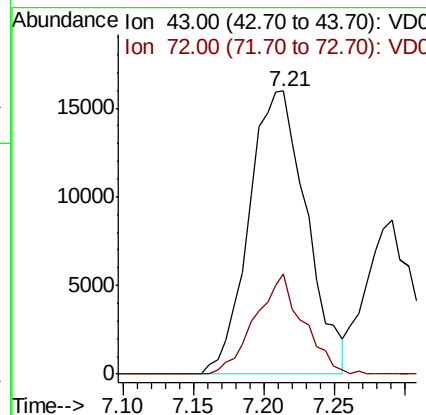
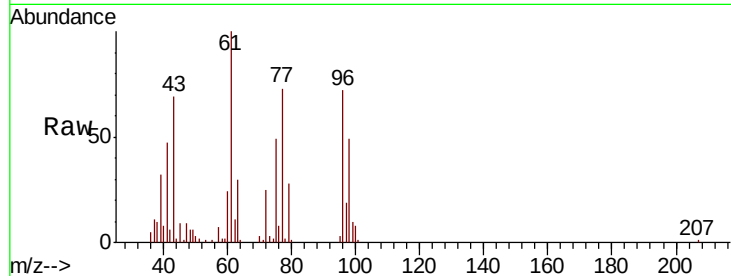
VD0819SBS02

Tot Ion: 43 Resp: 45544

Ion Ratio Lower Upper

43 100

72 35.7 22.2 33.2#



#26

2,2-Dichloropropane

Concen: 20.828 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD066334.D

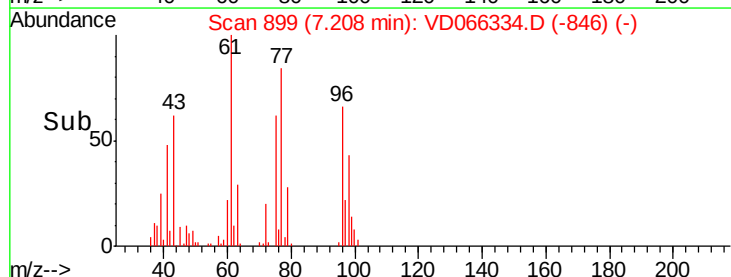
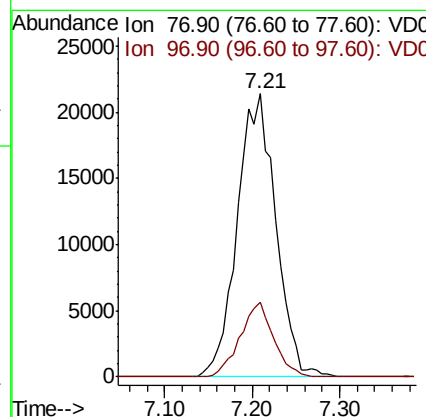
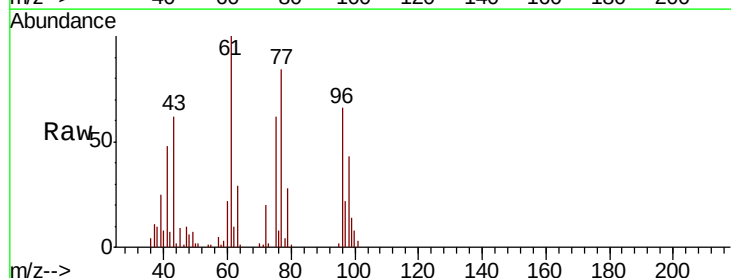
Acq: 20 Aug 2020 00:31

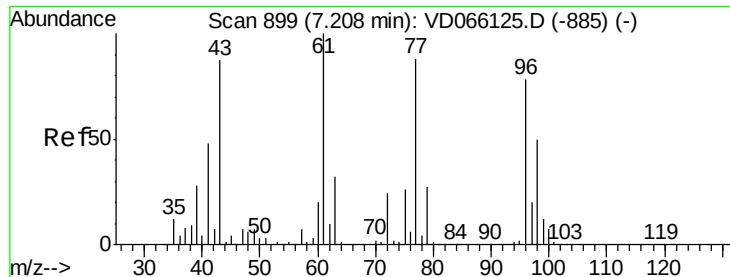
Tgt Ion: 77 Resp: 63946

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.3



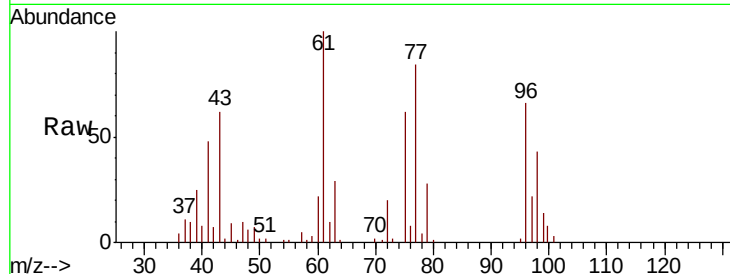


#27

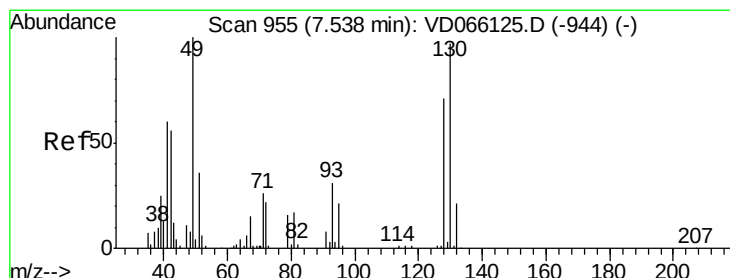
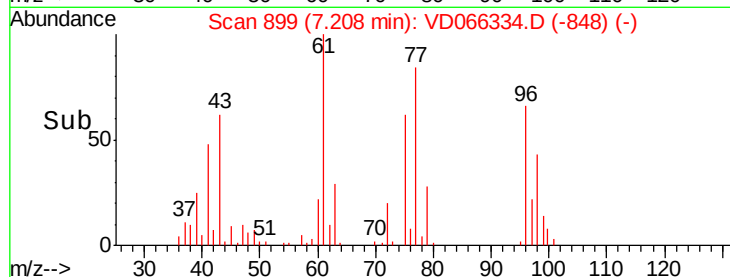
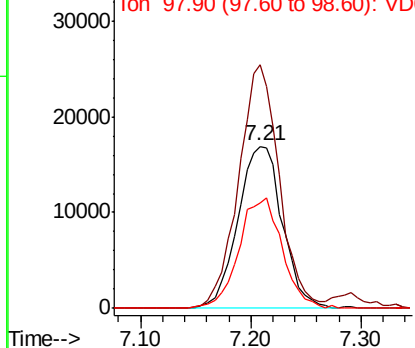
cis-1,2-Dichloroethene
Concen: 21.398 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Tot Ion: 96 Resp: 47636
Ion Ratio Lower Upper
96 100
61 137.6 0.0 281.6
98 66.4 0.0 130.8



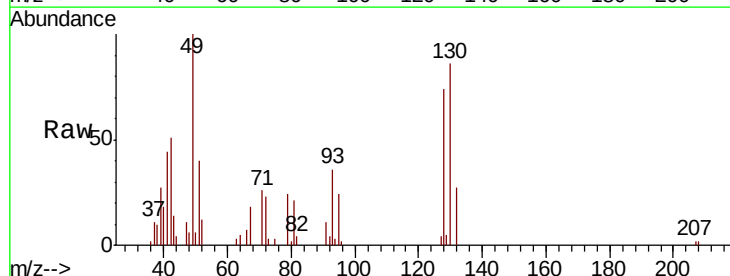
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



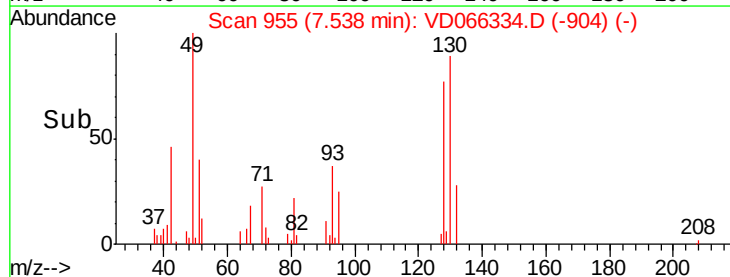
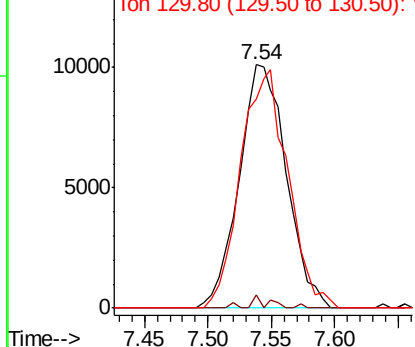
#28

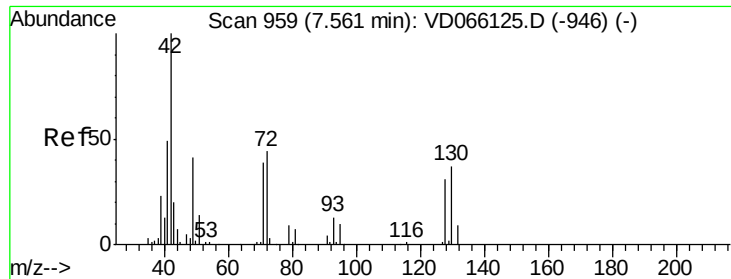
Bromochloromethane
Concen: 21.719 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 49 Resp: 26130
Ion Ratio Lower Upper
49 100
129 1.5 0.0 6.0
130 98.2 73.8 110.6



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

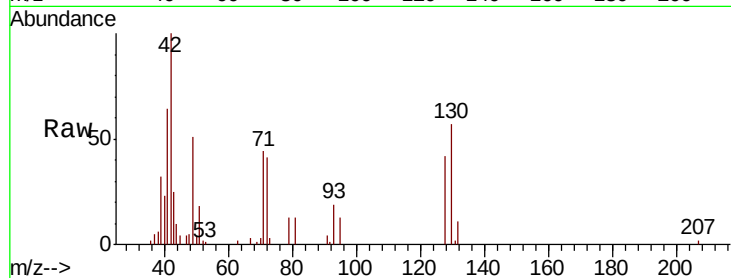




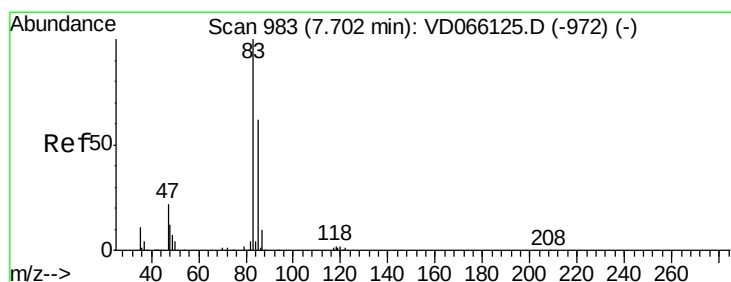
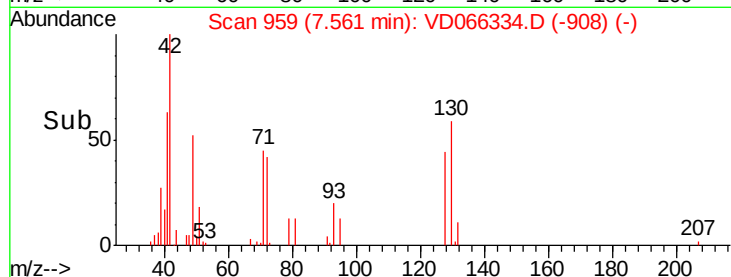
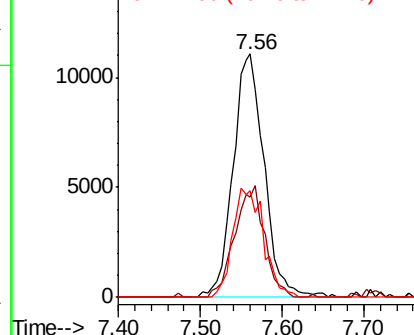
#29
Tetrahydrofuran
Concen: 91.220 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Tot Ion: 42 Resp: 29356
Ion Ratio Lower Upper
42 100
72 43.9 34.8 52.2
71 44.3 33.5 50.3

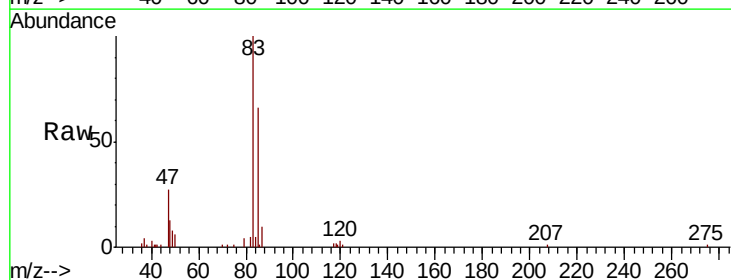


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

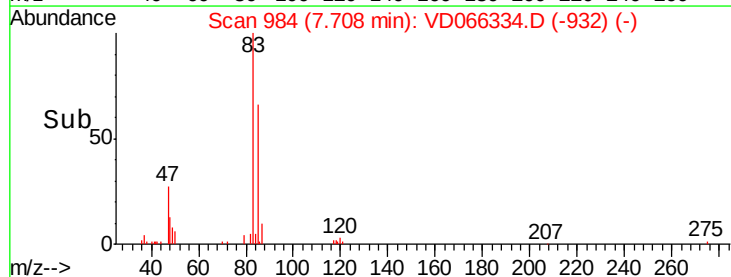
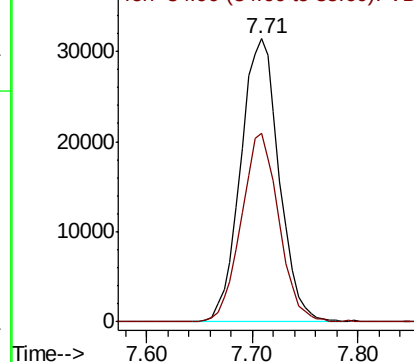


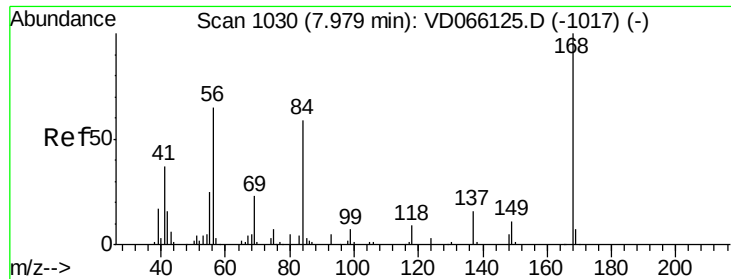
#30
Chloroform
Concen: 22.032 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 83 Resp: 79245
Ion Ratio Lower Upper
83 100
85 66.5 49.5 74.3



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

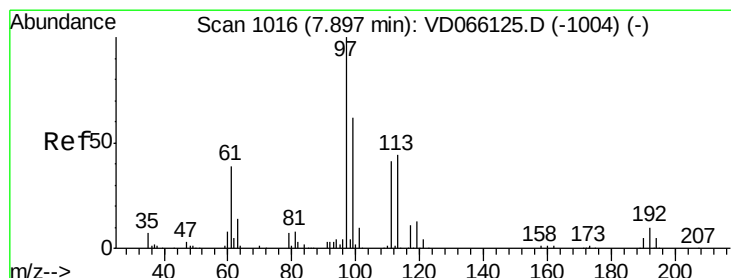
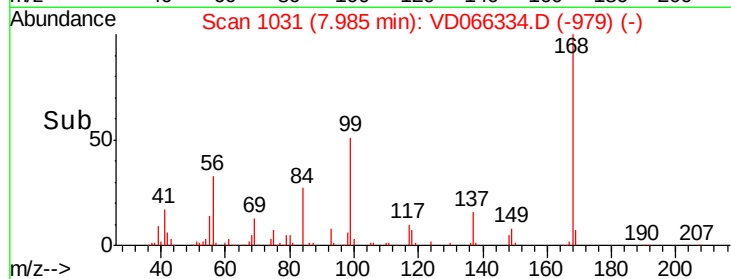
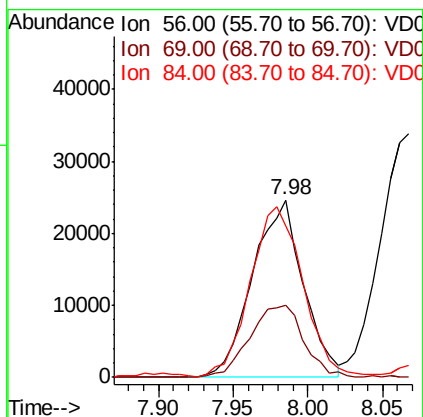
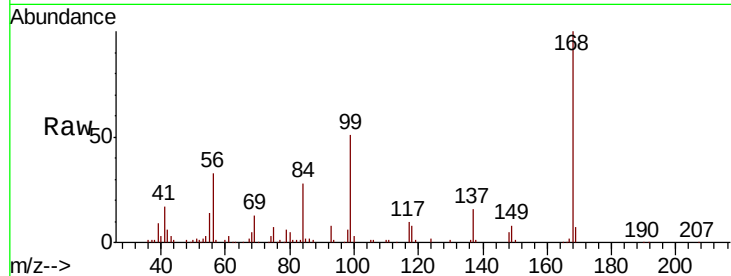




#31
Cyclohexane
Concen: 17.893 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

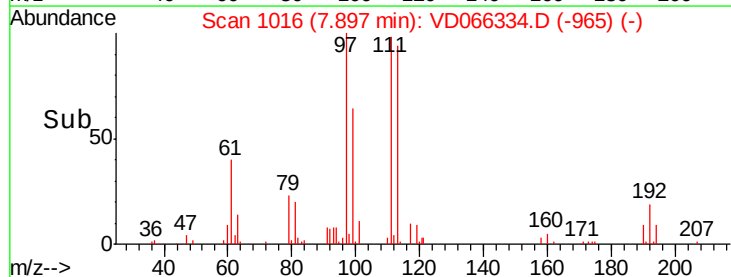
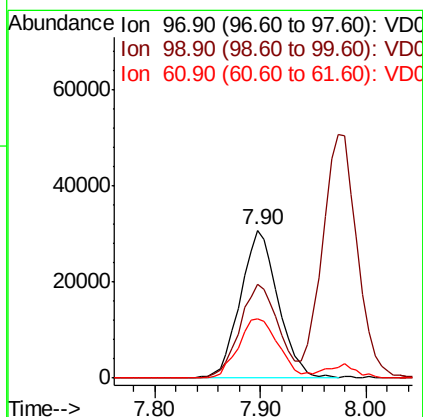
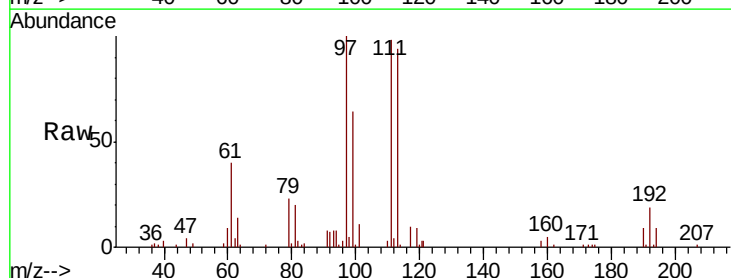
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

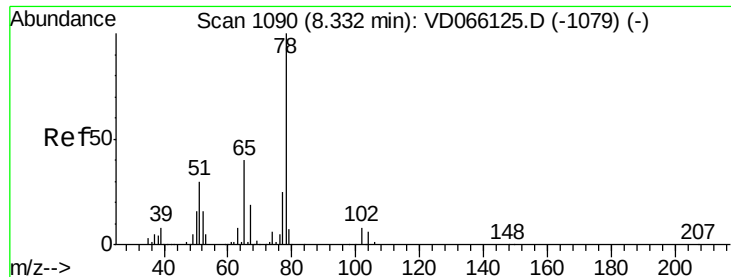
Tot Ion: 56 Resp: 58344
Ion Ratio Lower Upper
56 100
69 40.3 28.8 43.2
84 84.1 73.0 109.6



#32
1,1,1-Trichloroethane
Concen: 22.568 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 97 Resp: 76110
Ion Ratio Lower Upper
97 100
99 65.6 51.1 76.7
61 43.1 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 59.893 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

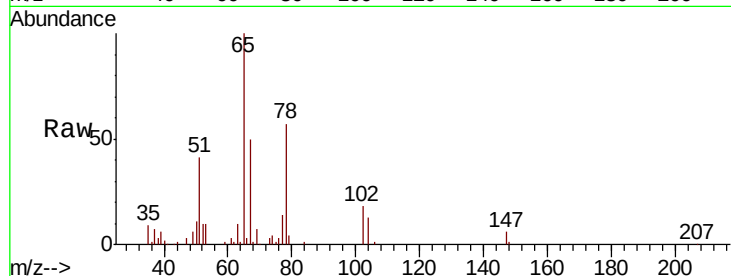
VD0819SBS02

Tot Ion: 65 Resp: 111474

Ion Ratio Lower Upper

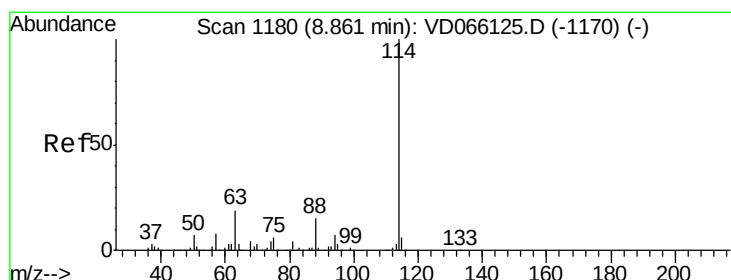
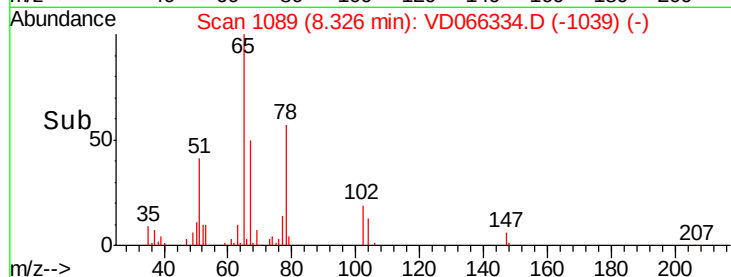
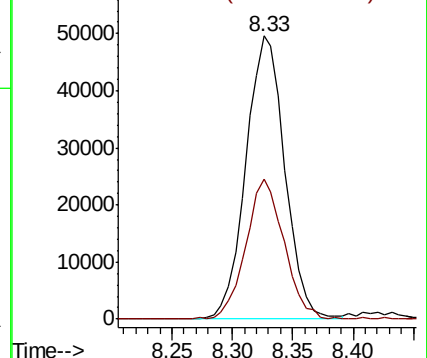
65 100

67 48.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

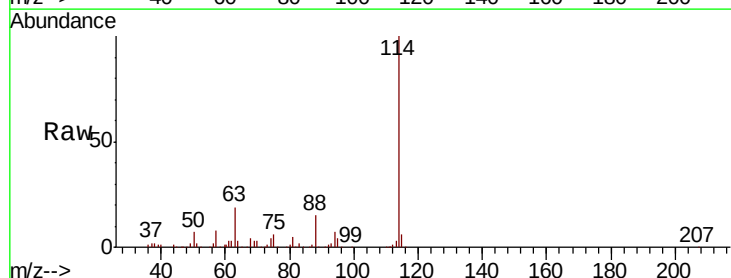
Tgt Ion:114 Resp: 315799

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.6

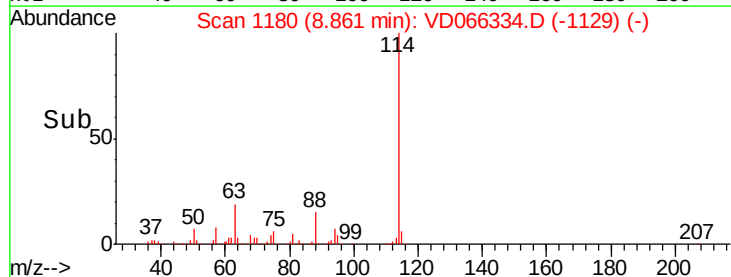
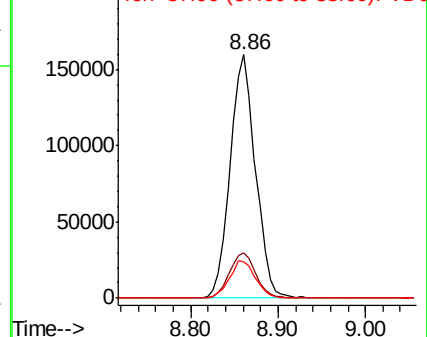
88 14.9 0.0 30.0

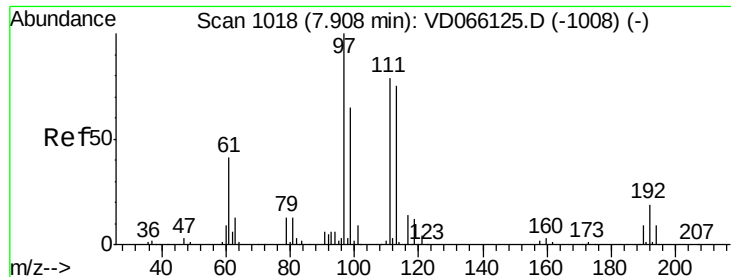


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

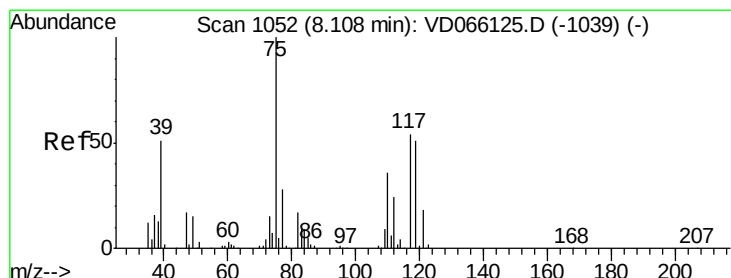
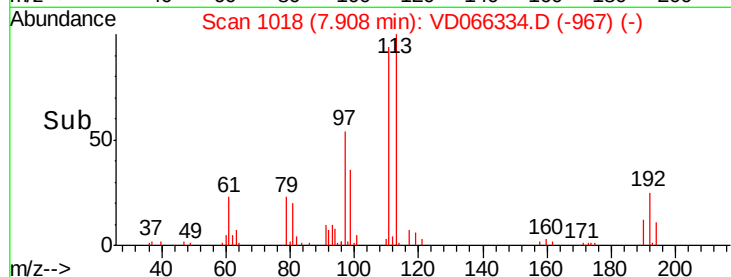
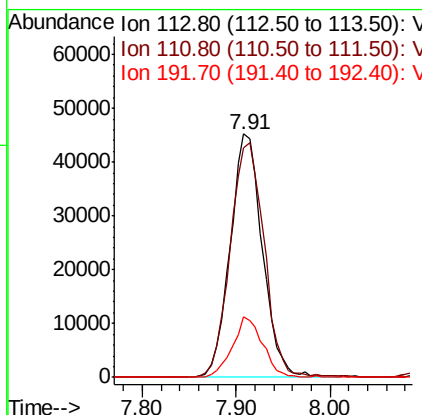
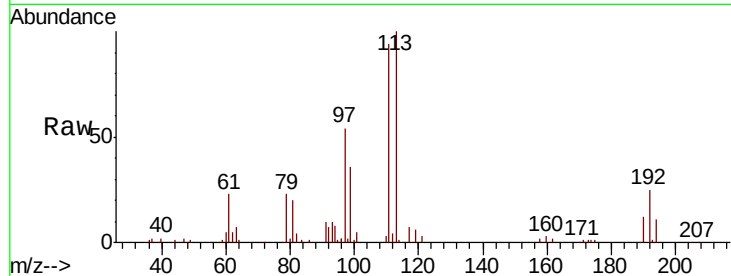




#35
 Dibromofluoromethane
 Concen: 53.978 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

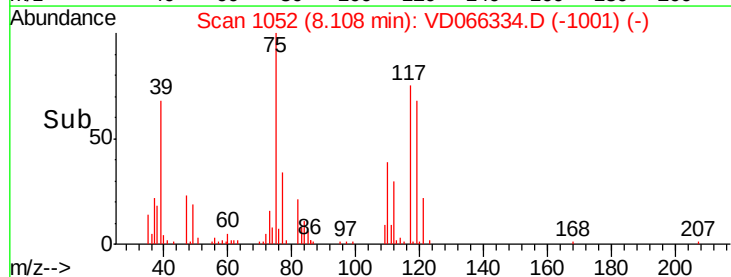
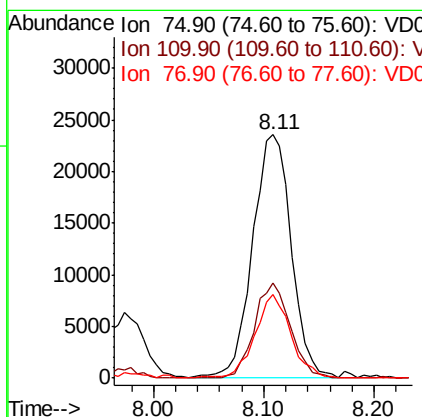
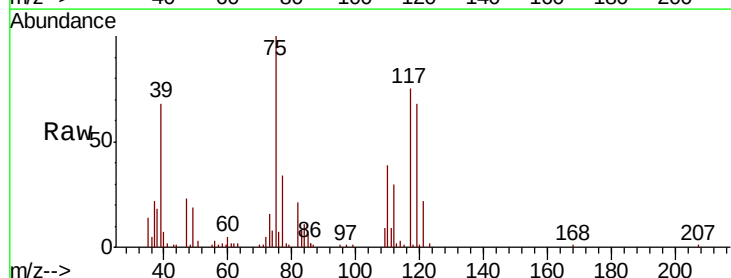
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD02

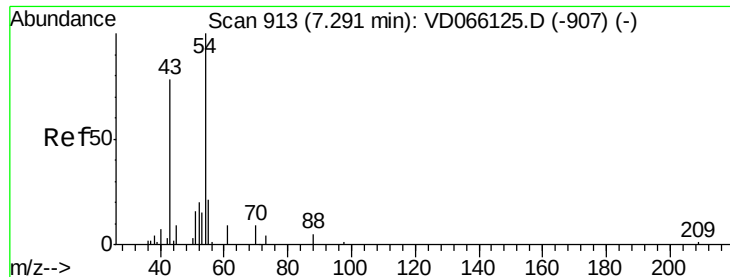
Tot Ion:113 Resp: 107985
 Ion Ratio Lower Upper
 113 100
 111 100.9 80.7 121.1
 192 23.0 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 19.527 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion: 75 Resp: 57947
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.8 56.3
 77 31.6 24.2 36.2

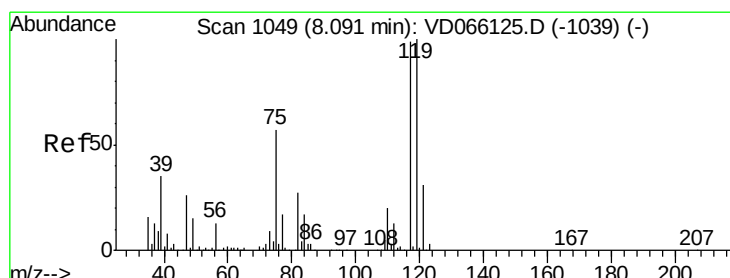
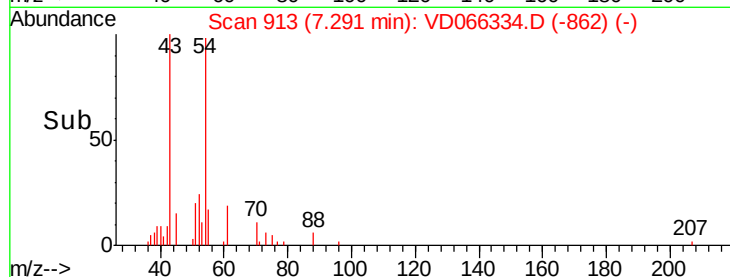
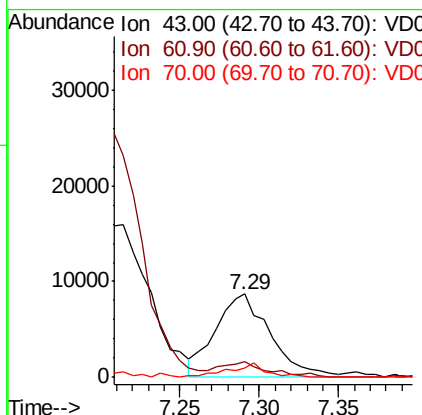
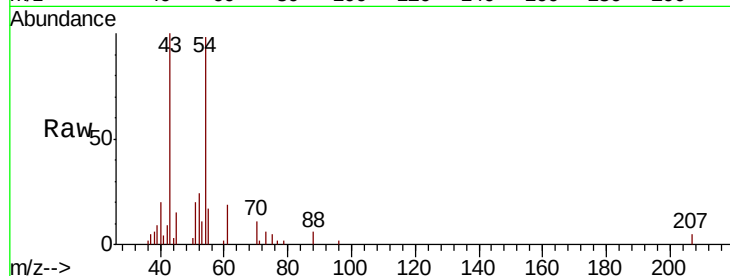




#37
Ethyl Acetate
Concen: 17.836 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

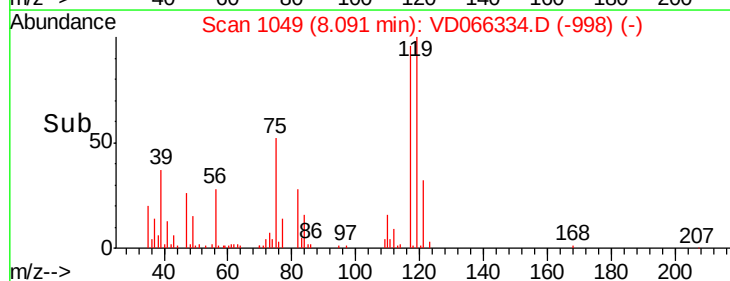
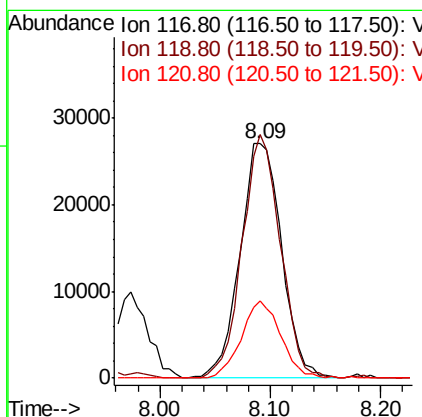
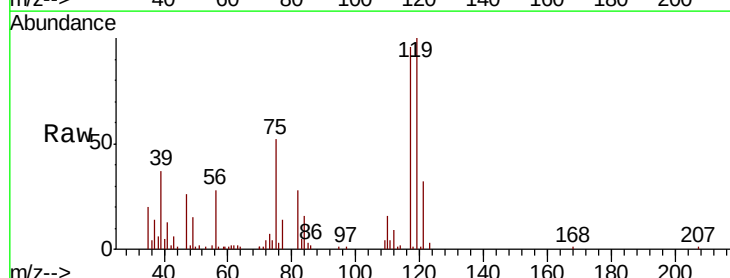
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

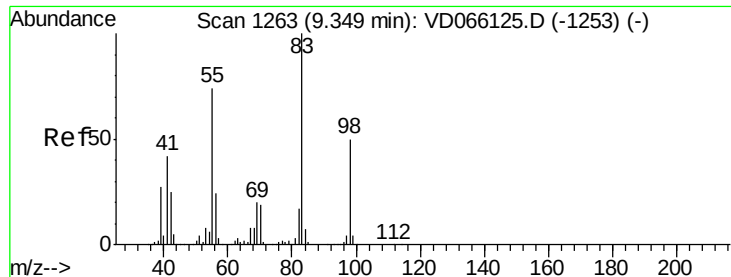
Tot Ion: 43 Resp: 20971
Ion Ratio Lower Upper
43 100
61 17.2 12.0 18.0
70 11.8 9.7 14.5



#38
Carbon Tetrachloride
Concen: 21.588 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 117 Resp: 71441
Ion Ratio Lower Upper
117 100
119 103.8 81.0 121.4
121 32.9 24.8 37.2

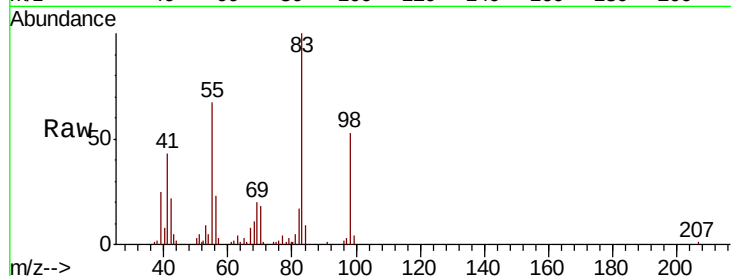




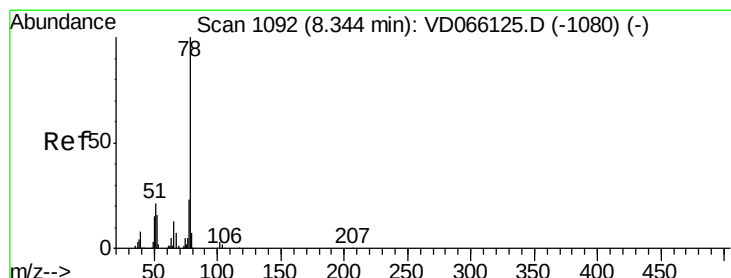
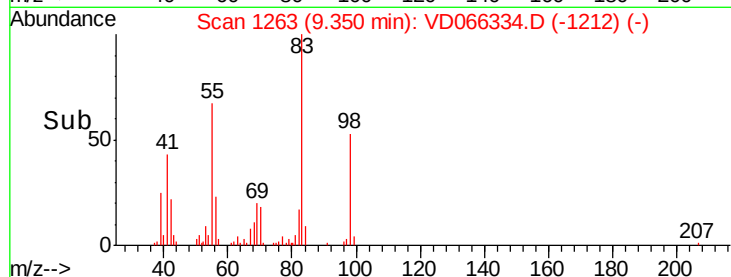
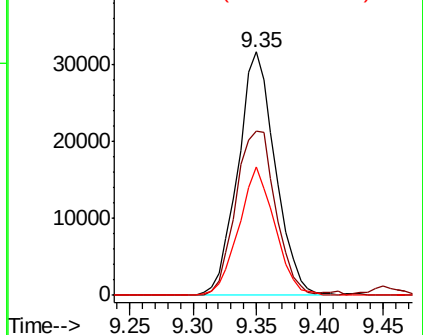
#39
Methylvlcyclohexane
Concen: 18.102 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Tot Ion: 83 Resp: 64939
Ion Ratio Lower Upper
83 100
55 67.4 59.2 88.8
98 52.7 39.8 59.6

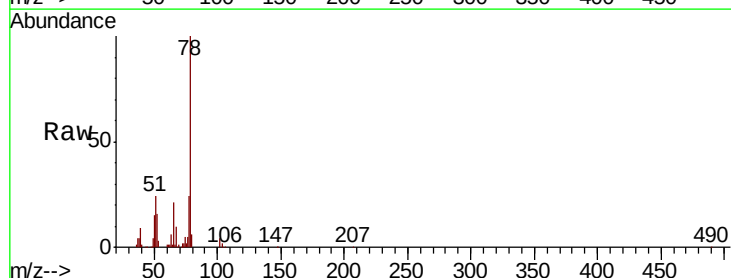


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

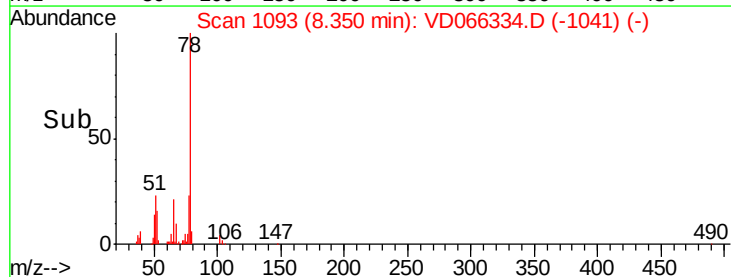
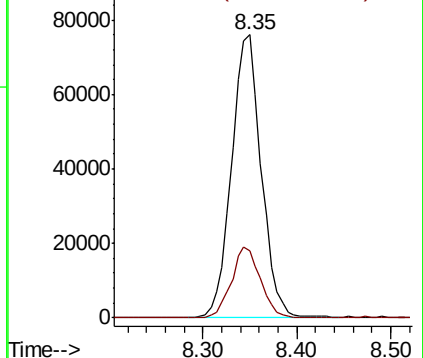


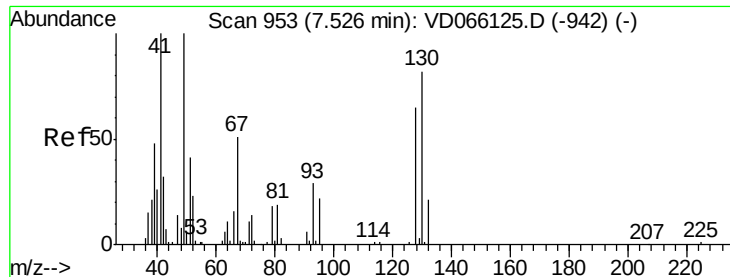
#40
Benzene
Concen: 20.251 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 78 Resp: 166714
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8



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

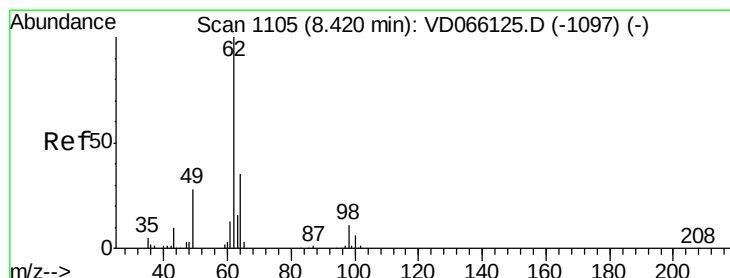
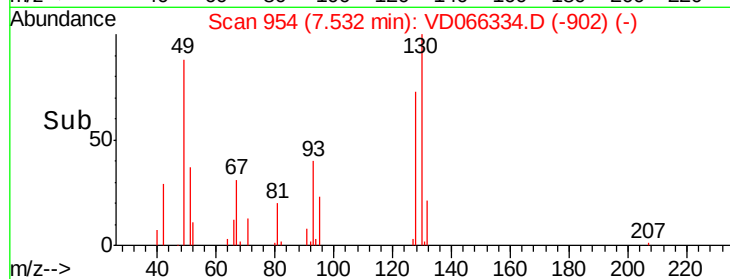
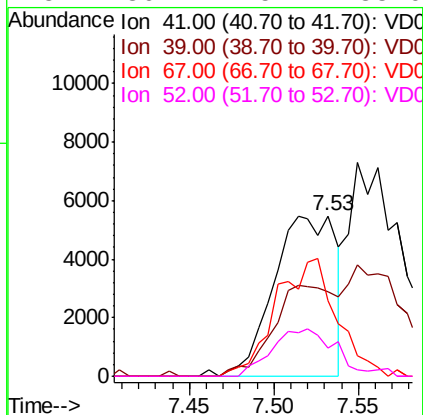
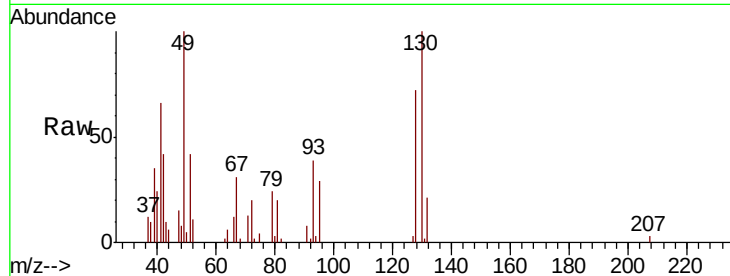




#41
Methacrylonitrile
Concen: 20.291 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

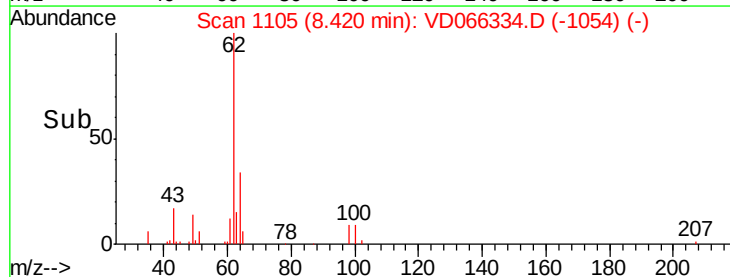
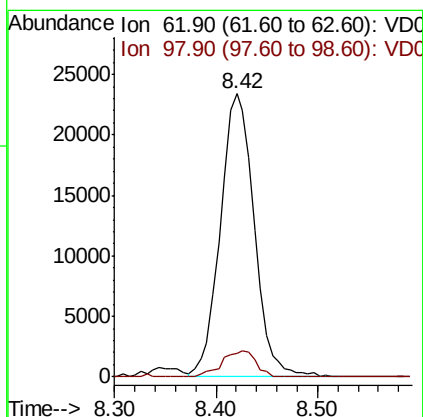
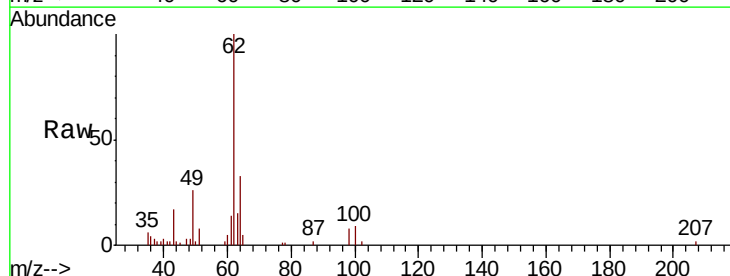
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

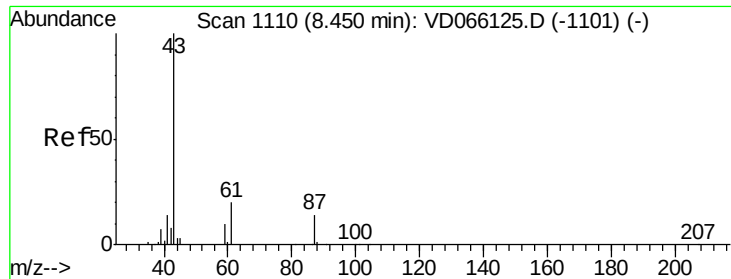
Tot Ion: 41 Resp: 14028
Ion Ratio Lower Upper
41 100
39 57.1 47.5 71.3
67 71.4 59.1 88.7
52 30.4 25.4 38.0



#42
1,2-Dichloroethane
Concen: 22.442 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 62 Resp: 54273
Ion Ratio Lower Upper
62 100
98 9.2 0.0 20.4





#43

Isopropyl Acetate

Concen: 18.725 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

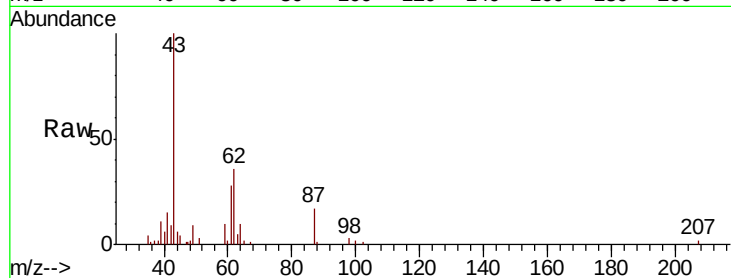
Tot Ion: 43 Resp: 43378

Ion Ratio Lower Upper

43 100

61 32.6 25.5 38.3

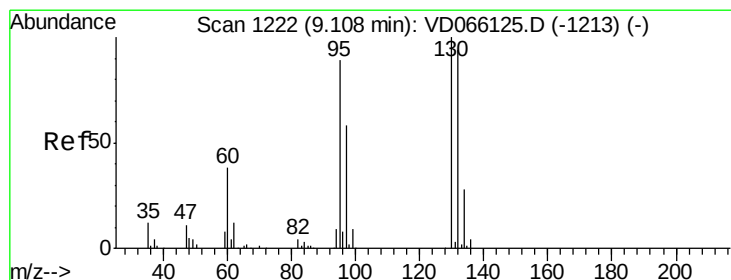
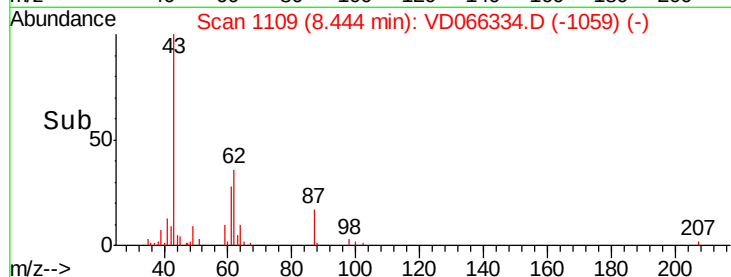
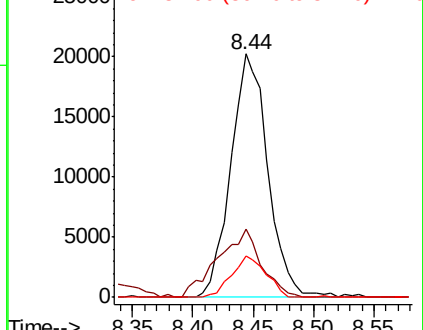
87 15.6 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.614 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066334.D

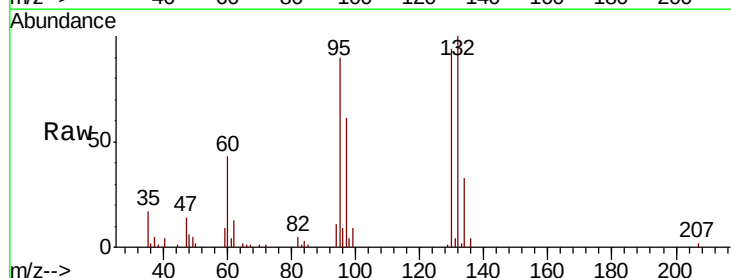
Acq: 20 Aug 2020 00:31

Tgt Ion:130 Resp: 48656

Ion Ratio Lower Upper

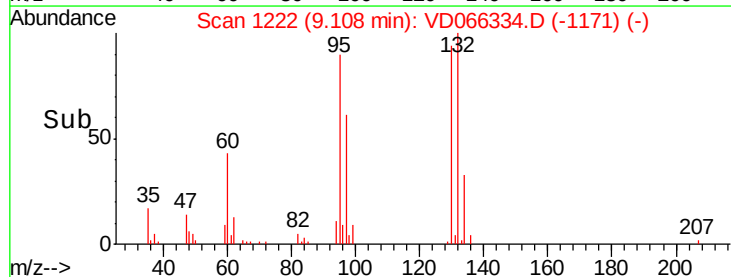
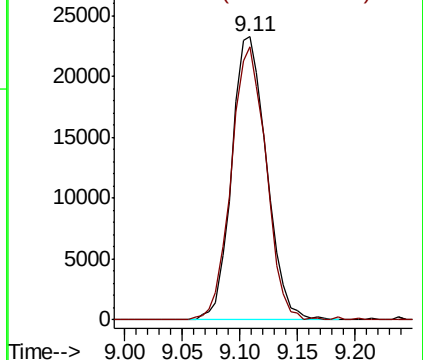
130 100

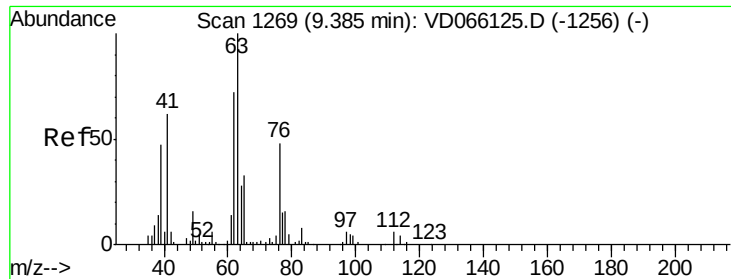
95 96.6 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

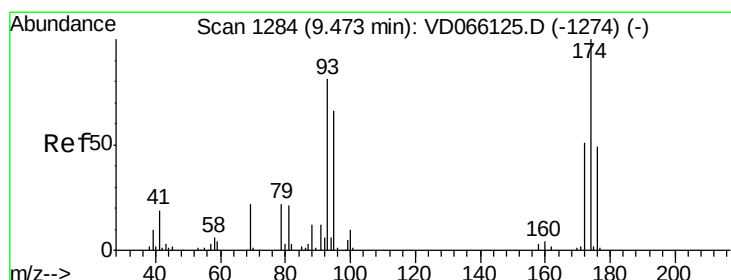
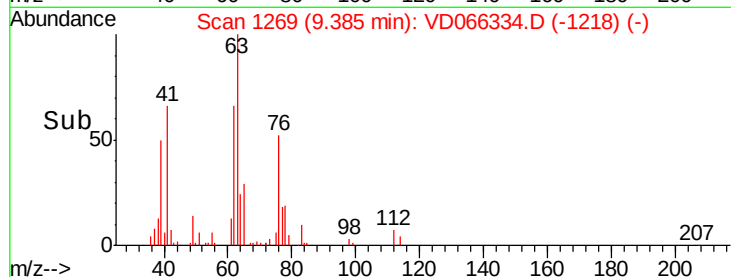
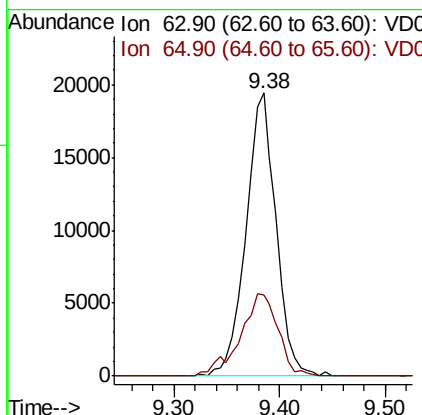
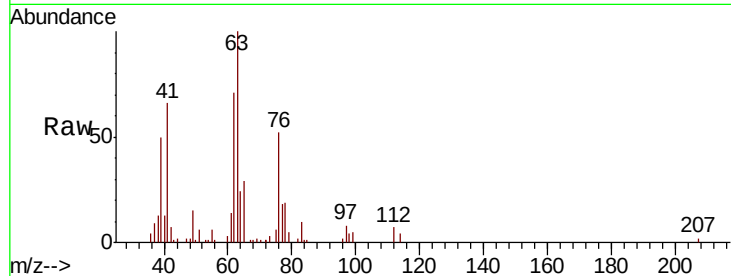




#45
 1,2-Dichloropropane
 Concen: 19.145 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

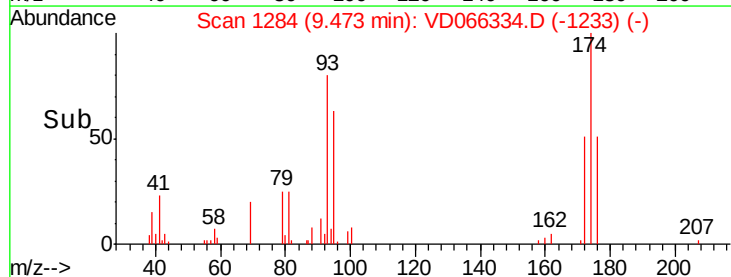
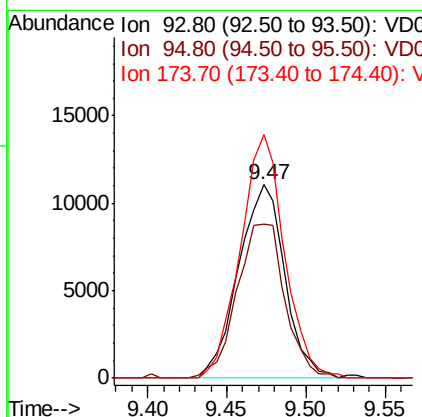
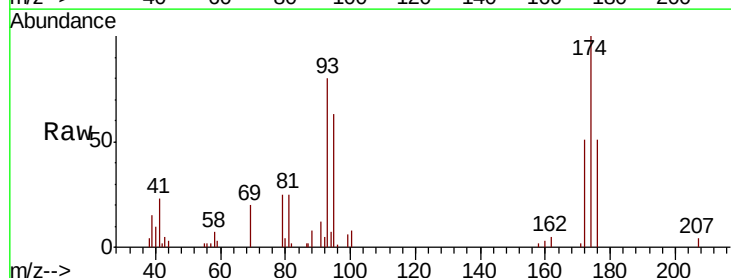
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD02

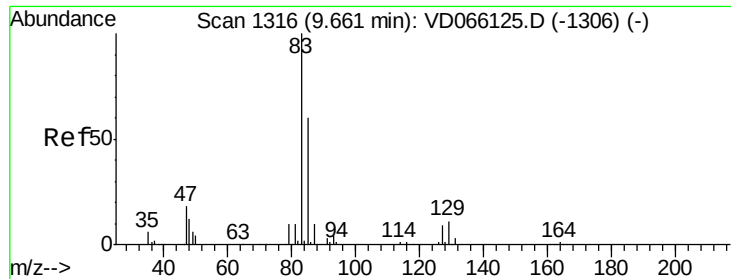
Tot Ion: 63 Resp: 38546
 Ion Ratio Lower Upper
 63 100
 65 28.5 26.5 39.7



#46
 Dibromomethane
 Concen: 20.202 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion: 93 Resp: 22405
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.6
 174 120.0 92.8 139.2

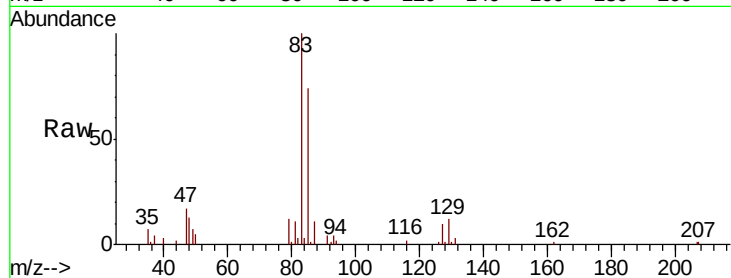




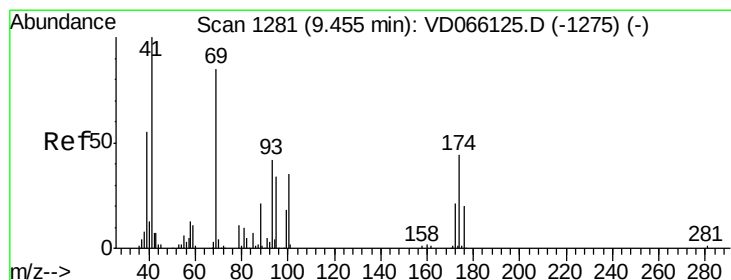
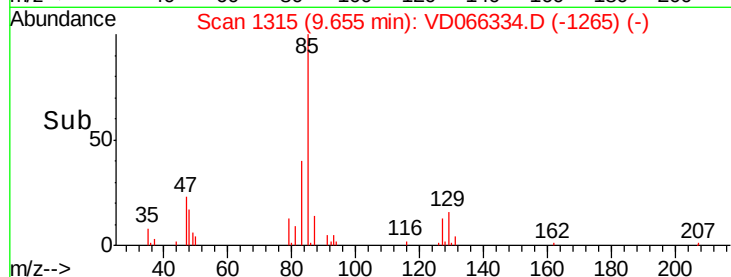
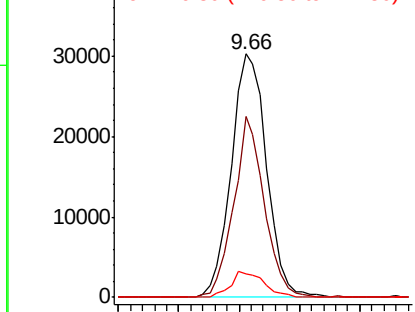
#47
Bromodichloromethane
Concen: 21.015 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Tot Ion: 83 Resp: 61598
Ion Ratio Lower Upper
83 100
85 74.4 48.2 72.4#
127 9.8 7.3 10.9

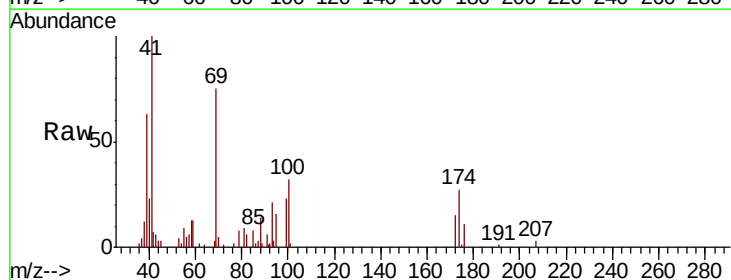


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

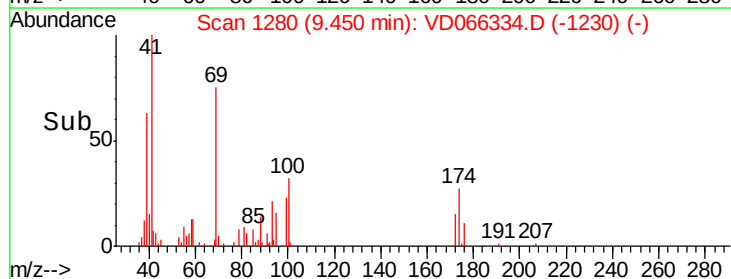
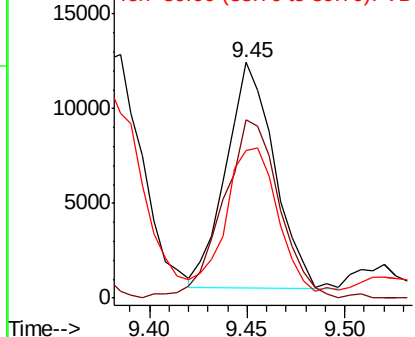


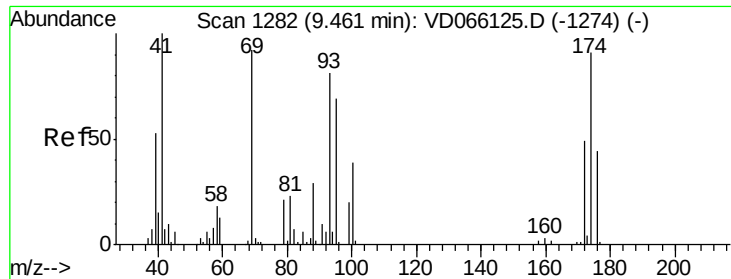
#48
Methyl methacrylate
Concen: 17.384 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 41 Resp: 20564
Ion Ratio Lower Upper
41 100
69 91.0 63.9 95.9
39 74.8 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

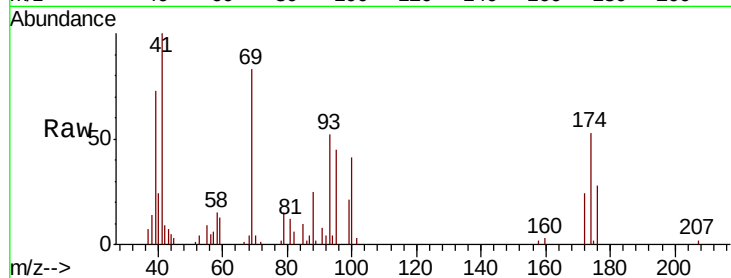




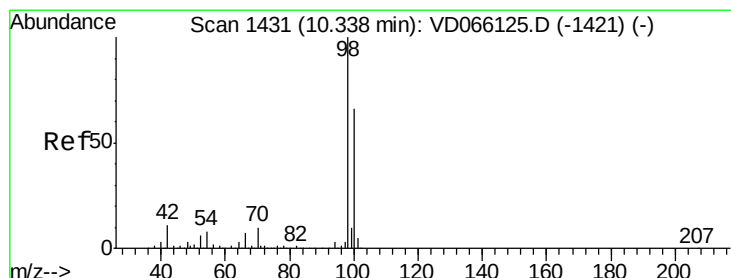
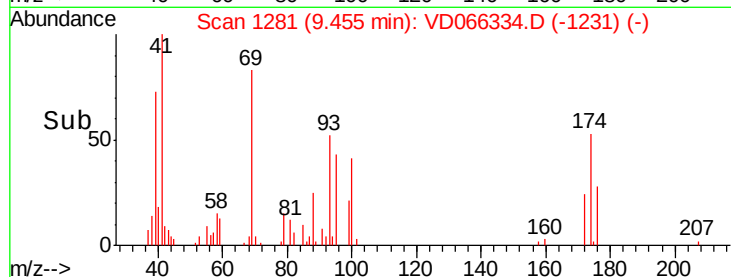
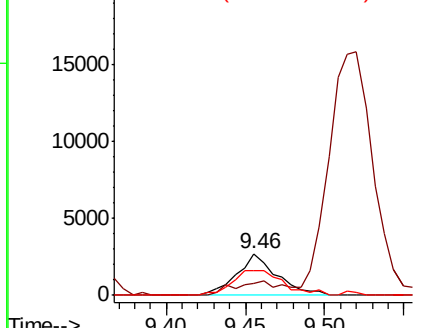
#49
1,4-Dioxane
Concen: 330.358 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion: 88 Resp: 4707
Ion Ratio Lower Upper
88 100
43 41.8 27.5 41.3#
58 76.9 50.2 75.4#

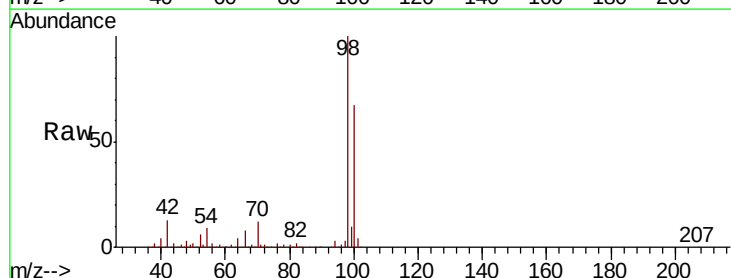


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

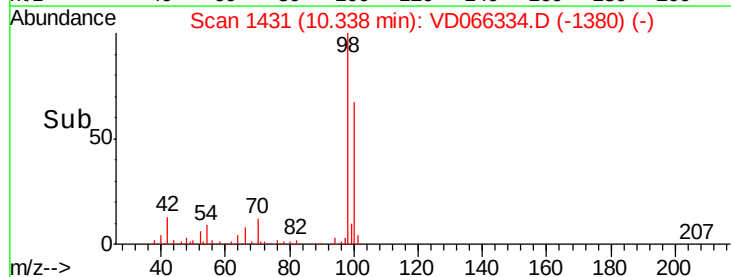
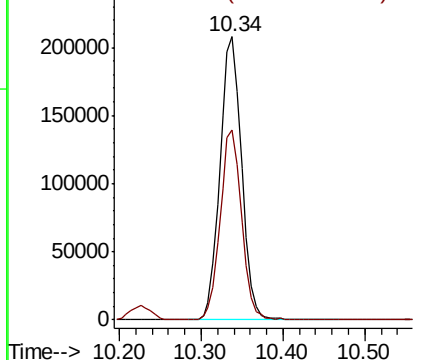


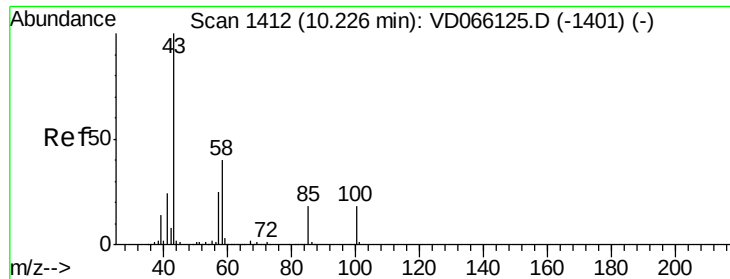
#50
Toluene-d8
Concen: 51.839 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 98 Resp: 382704
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



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

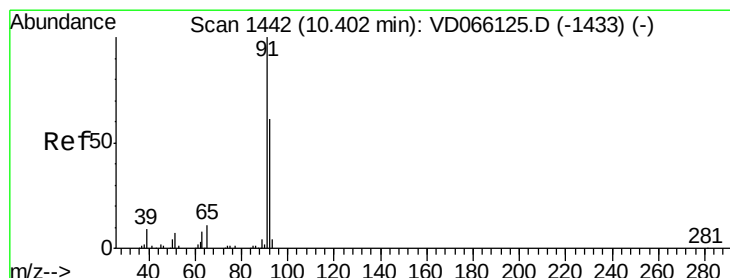
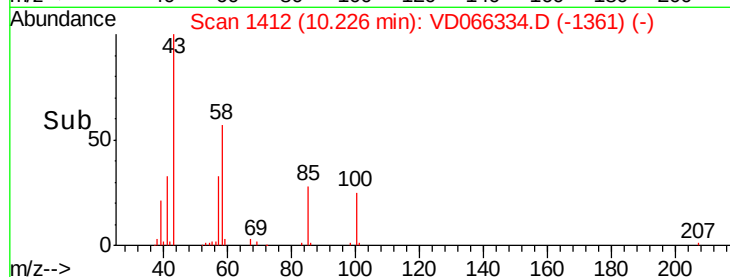
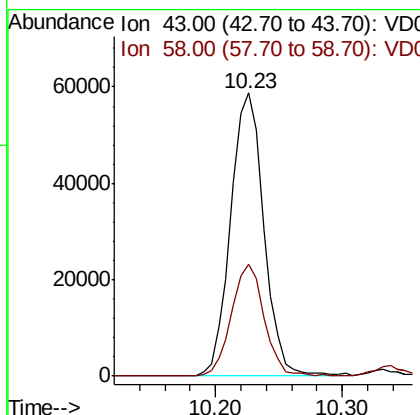
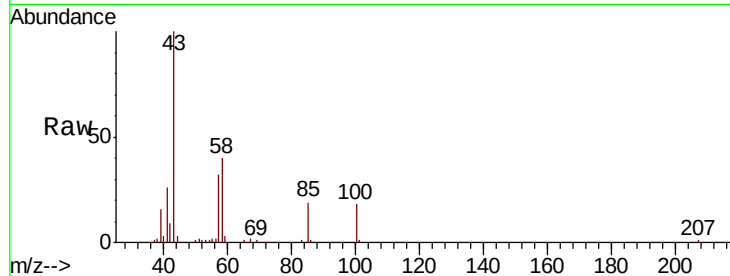




#51
 4-Methyl-2-Pentanone
 Concen: 89.427 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

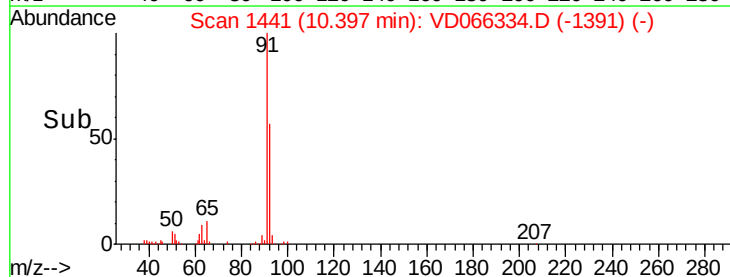
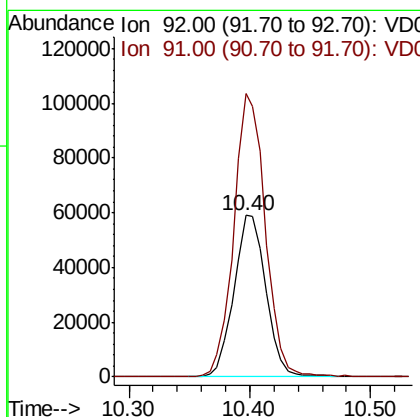
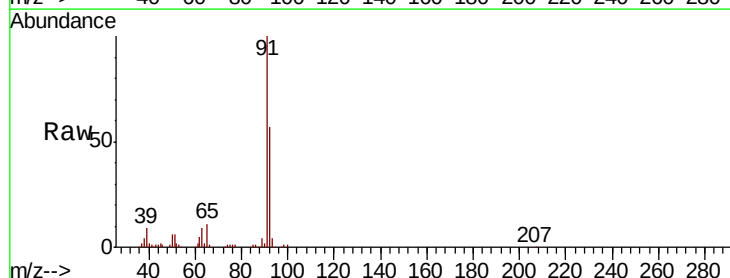
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD02

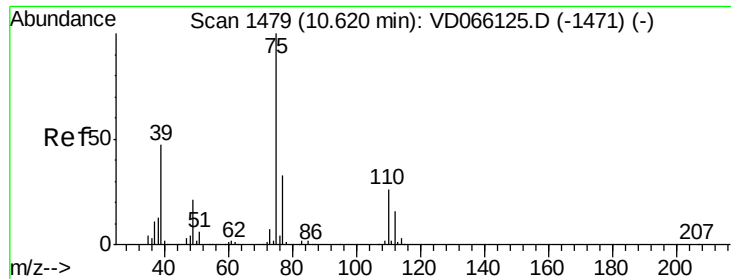
Tot Ion: 43 Resp: 106415
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.1 46.7



#52
 Toluene
 Concen: 20.154 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion: 92 Resp: 109172
 Ion Ratio Lower Upper
 92 100
 91 172.2 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 20.121 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

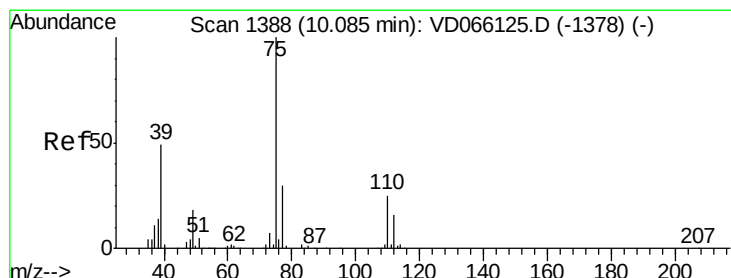
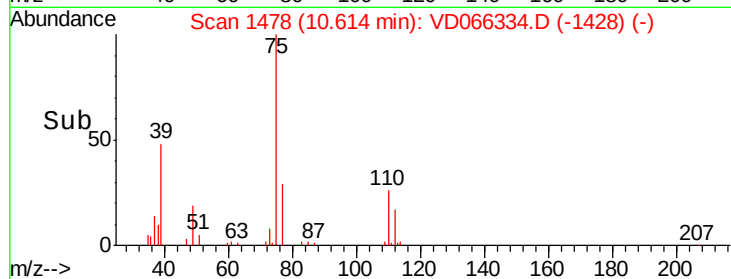
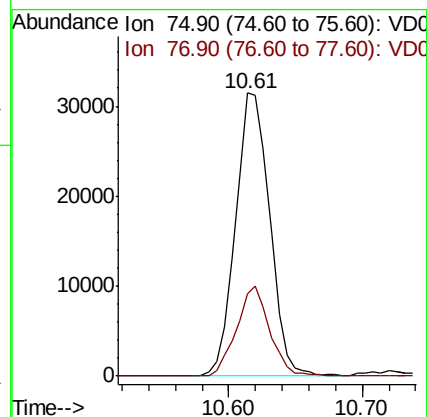
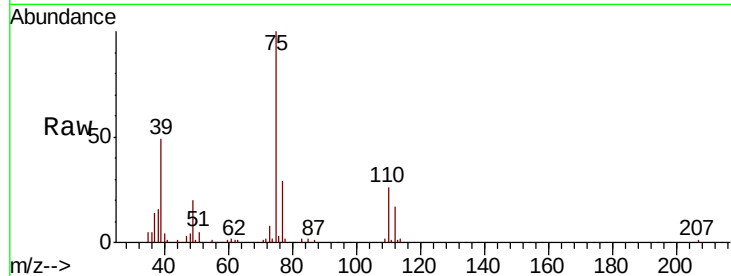
VD0819SBS02

Tot Ion: 75 Resp: 55971

Ion Ratio Lower Upper

75 100

77 29.2 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 20.264 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

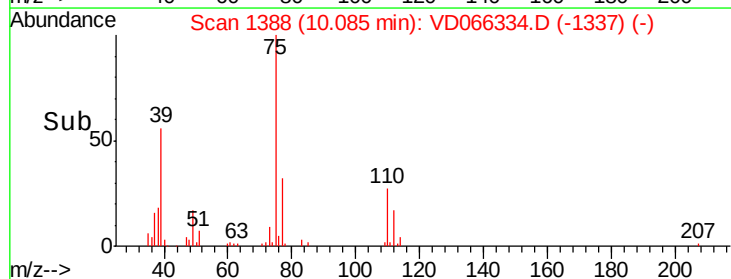
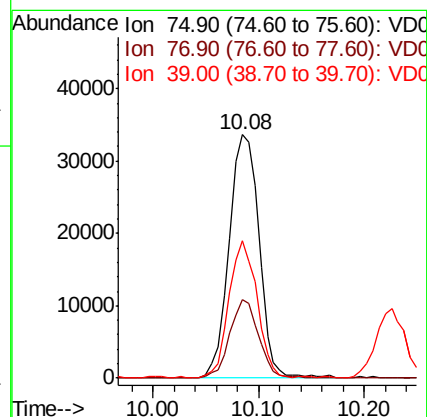
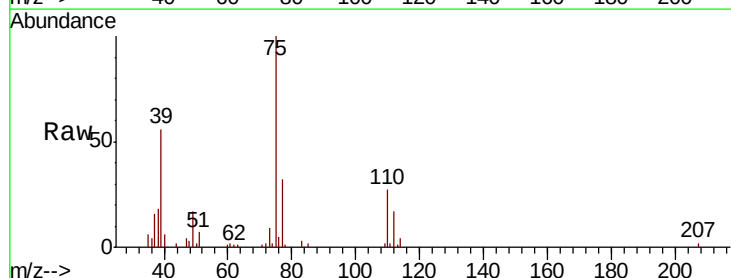
Tgt Ion: 75 Resp: 66042

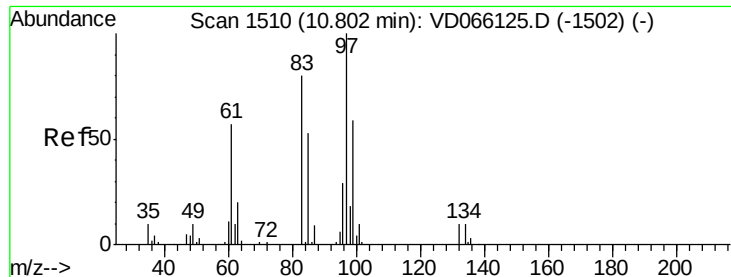
Ion Ratio Lower Upper

75 100

77 32.2 24.3 36.5

39 56.2 39.3 58.9

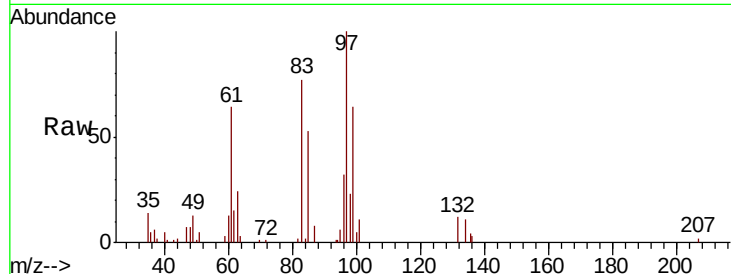




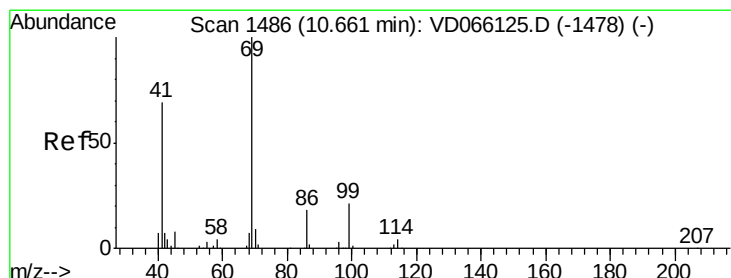
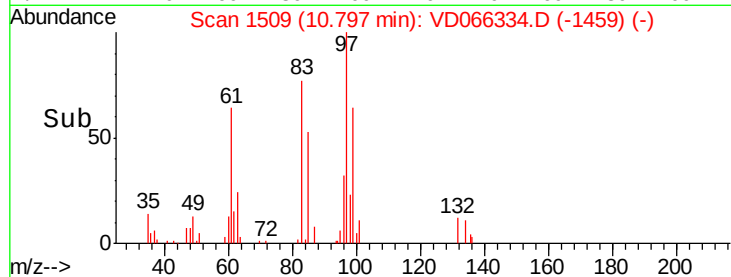
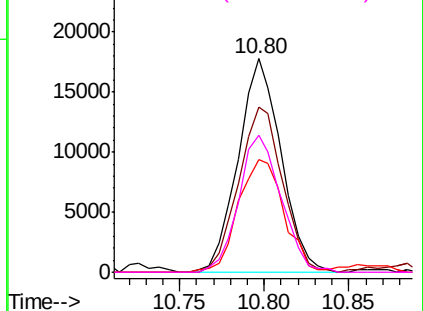
#55
 1,1,2-Trichloroethane
 Concen: 19.658 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD02

Tot Ion:	97	Resp:	31392
Ion	Ratio	Lower	Upper
97	100		
83	77.2	63.9	95.9
85	52.8	42.5	63.7
99	63.9	47.4	71.0

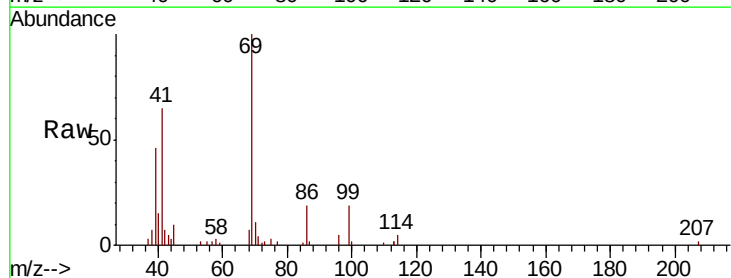


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

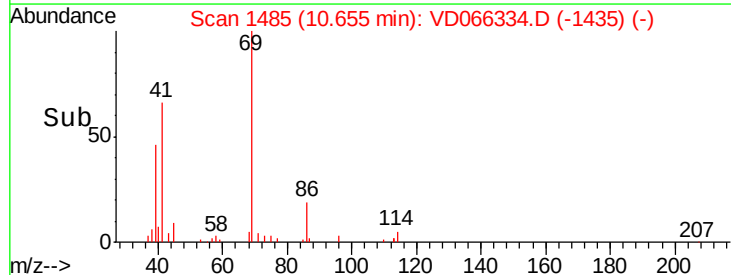
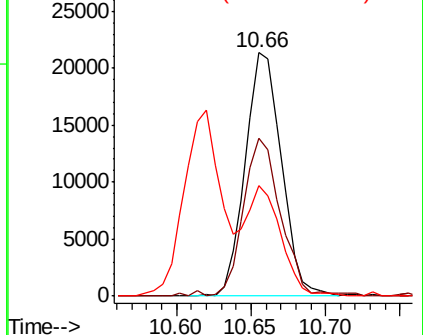


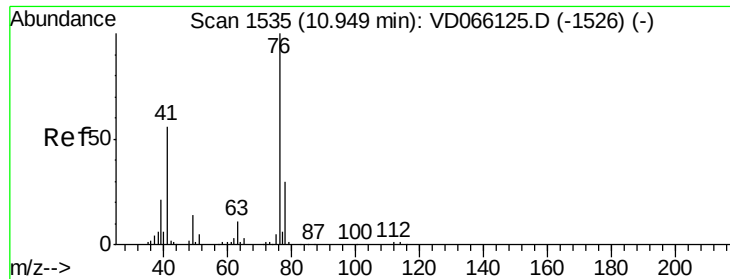
#56
 Ethyl methacrylate
 Concen: 18.685 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion:	69	Resp:	35845
Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.1	81.1
39	45.6	28.6	43.0#



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

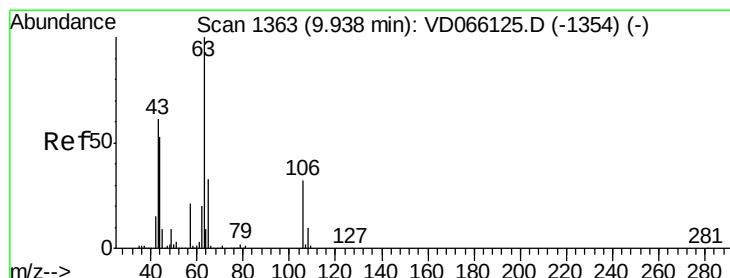
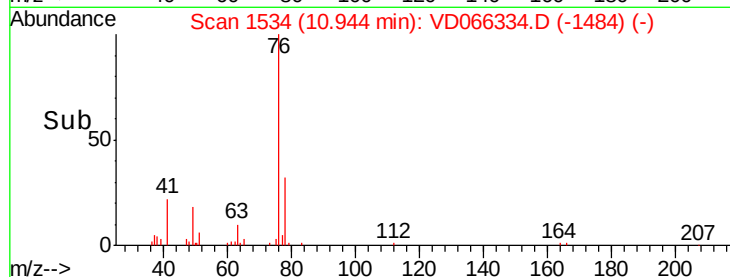
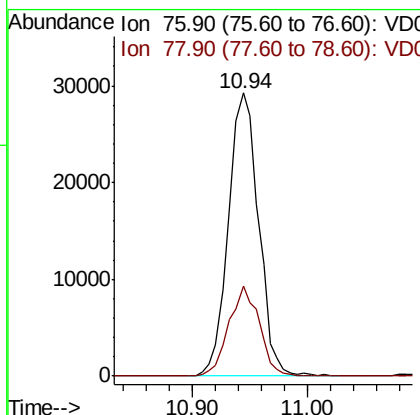
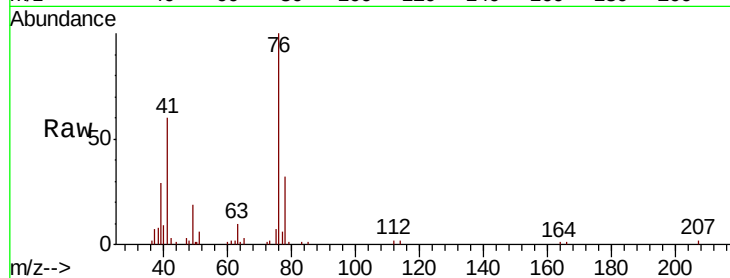




#57
 1,3-Dichloropropane
 Concen: 19.983 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

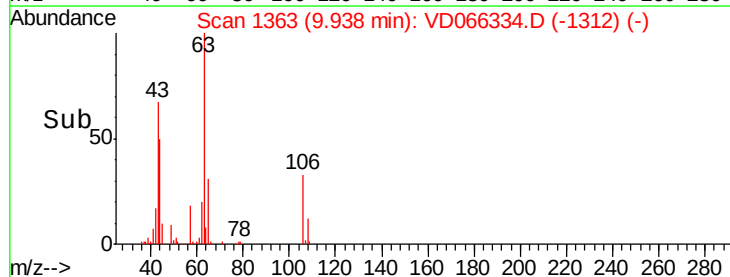
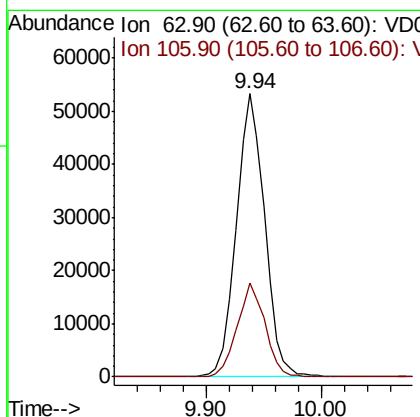
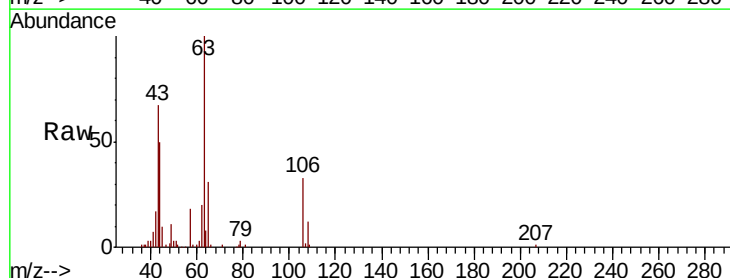
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD02

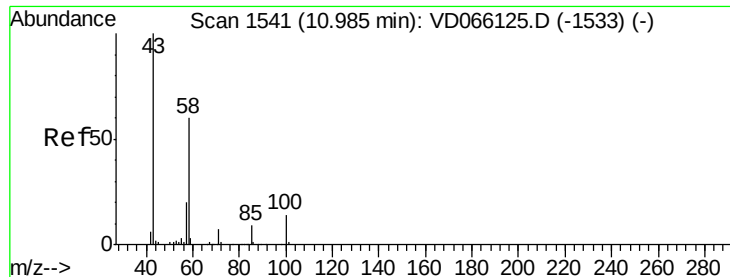
Tot Ion: 76 Resp: 52979
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.000 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion: 63 Resp: 90606
 Ion Ratio Lower Upper
 63 100
 106 32.7 25.3 37.9

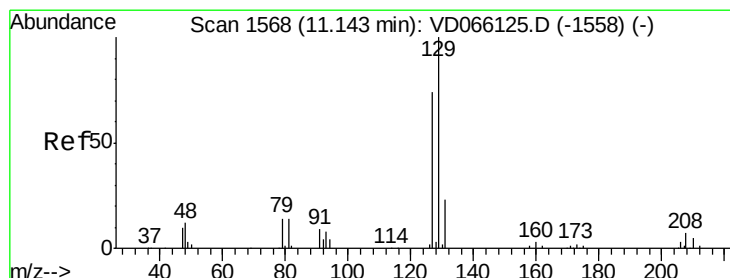
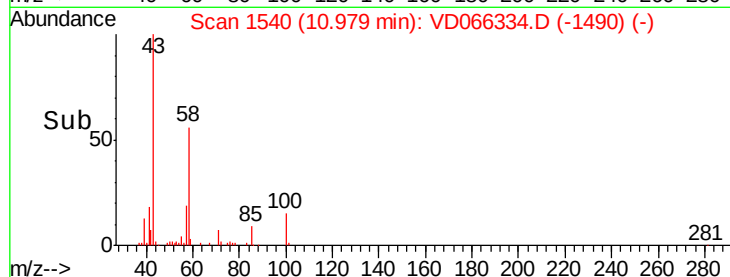
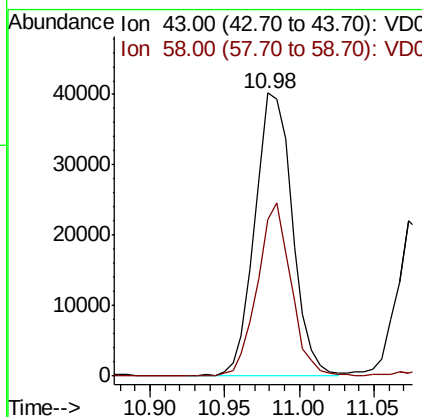
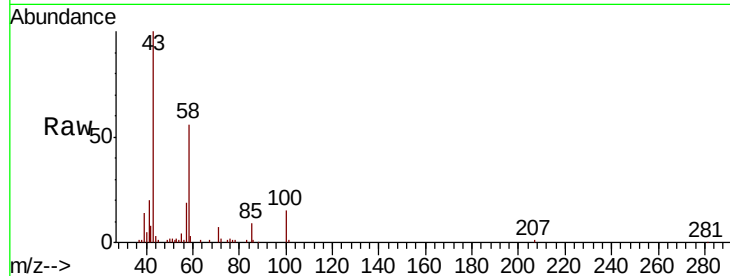




#59
2-Hexanone
Concen: 83.796 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

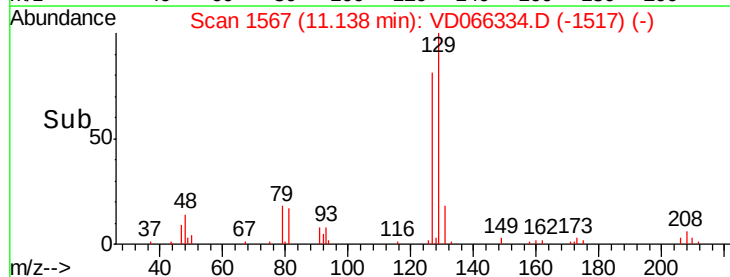
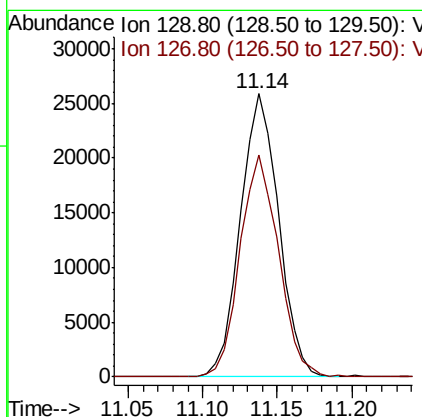
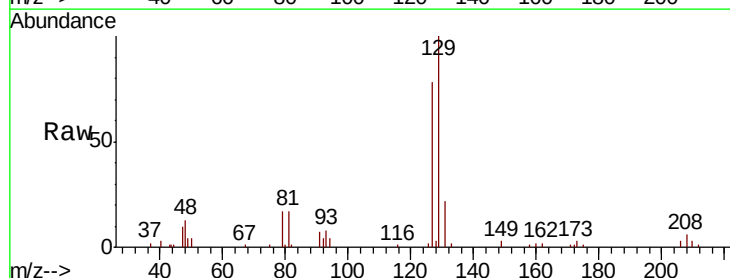
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

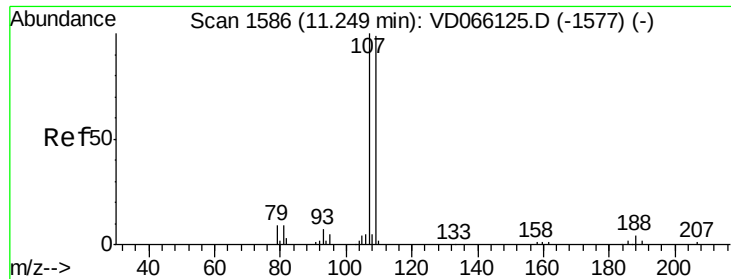
Tot Ion: 43 Resp: 69981
Ion Ratio Lower Upper
43 100
58 55.0 27.8 83.4



#60
Dibromochloromethane
Concen: 20.862 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 129 Resp: 45994
Ion Ratio Lower Upper
129 100
127 79.0 38.0 114.1

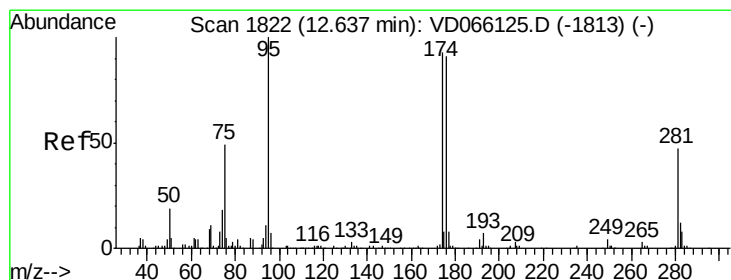
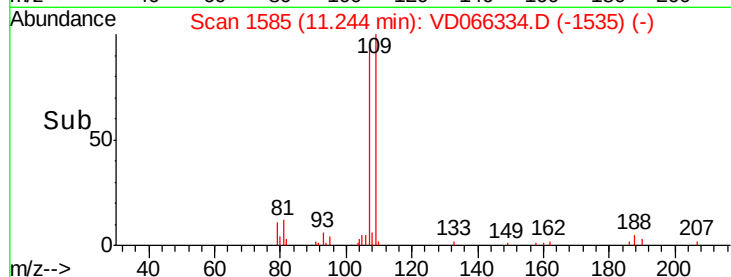
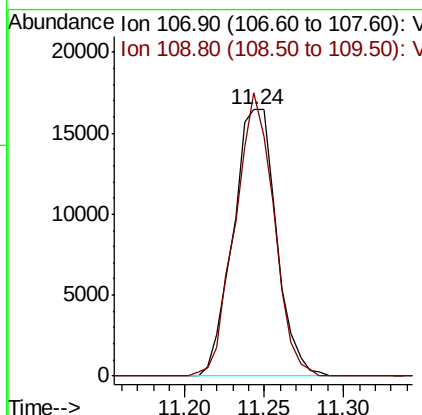
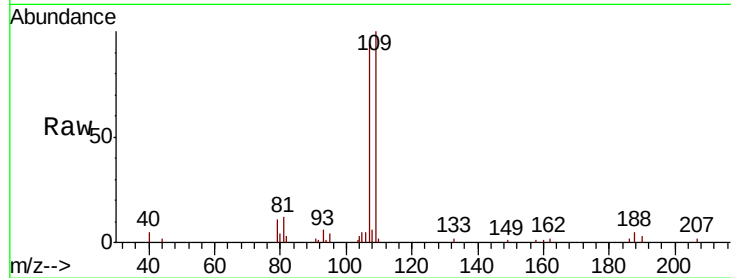




#61
 1,2-Dibromoethane
 Concen: 20.315 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

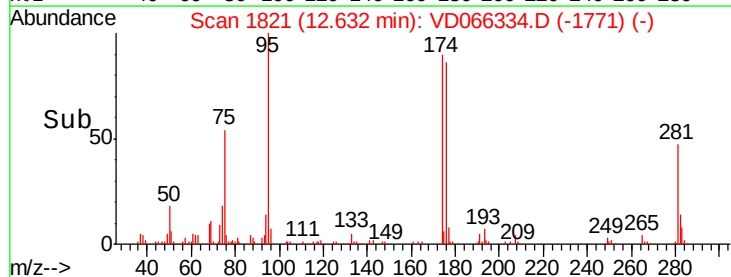
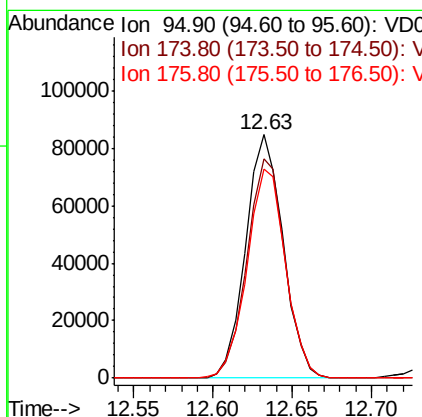
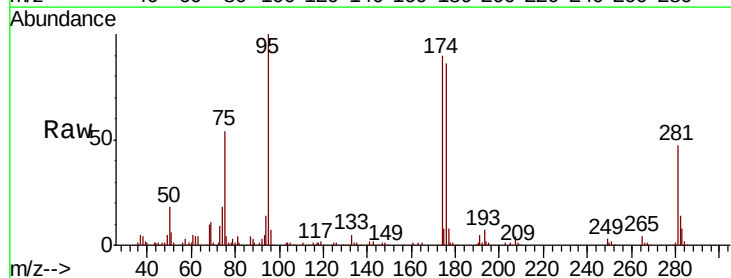
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD02

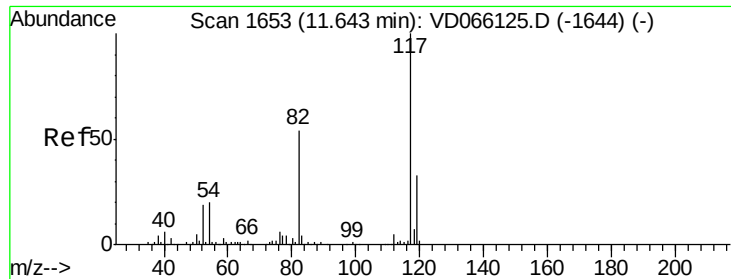
Tot Ion:107 Resp: 31199
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 52.208 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion: 95 Resp: 138931
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 180.8
 176 88.7 0.0 181.2

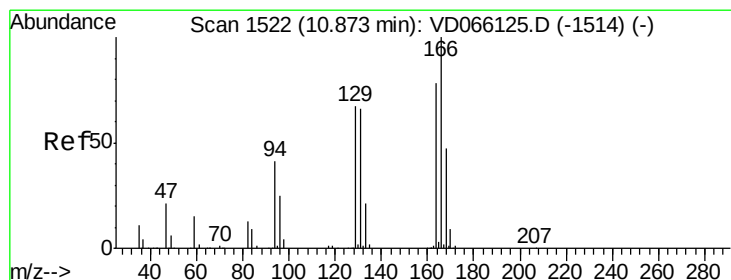
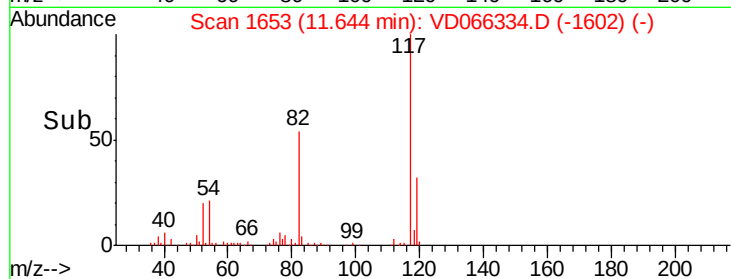
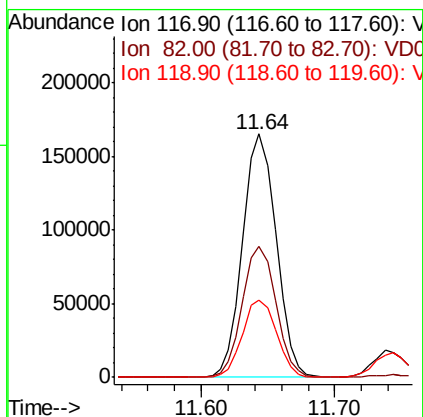
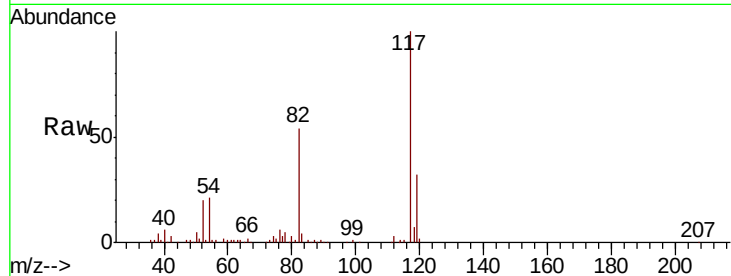




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

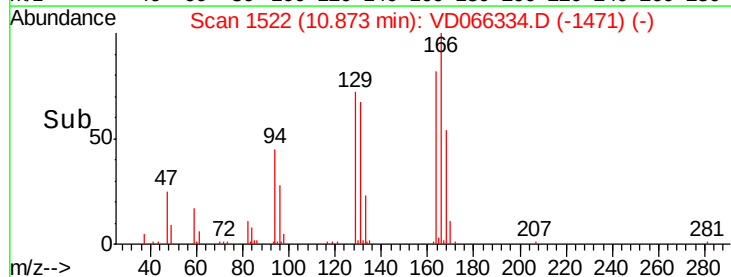
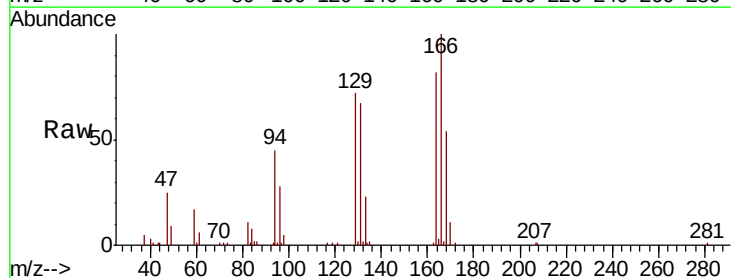
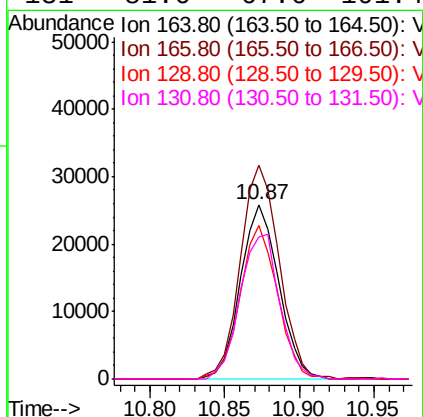
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

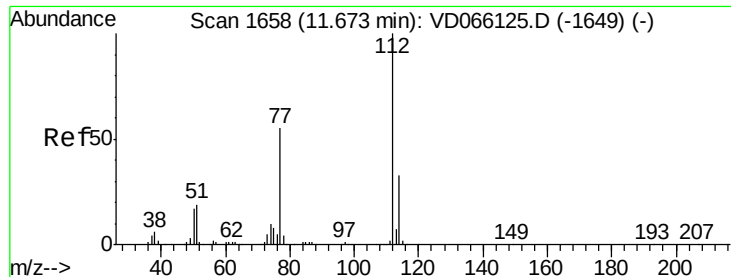
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.0	64.4
119	31.8	26.1	39.1



#64
Tetrachloroethene
Concen: 20.673 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.9	152.9
129	88.4	68.1	102.1
131	81.6	67.6	101.4

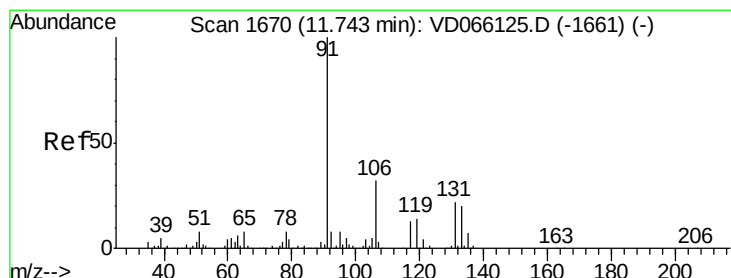
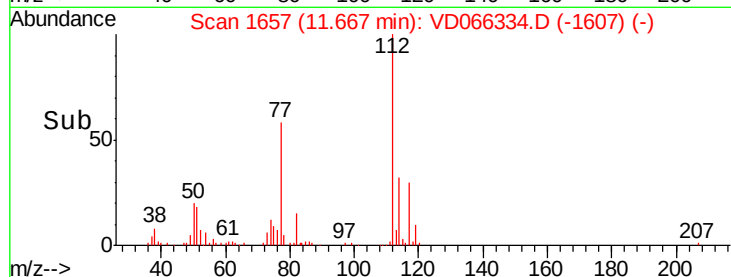
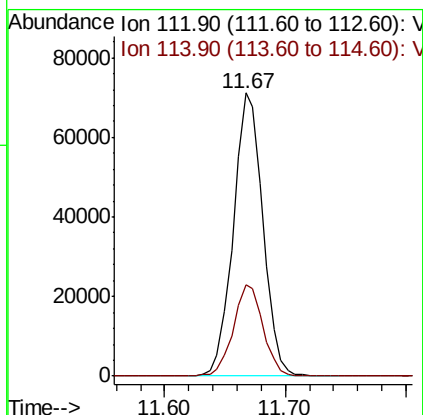
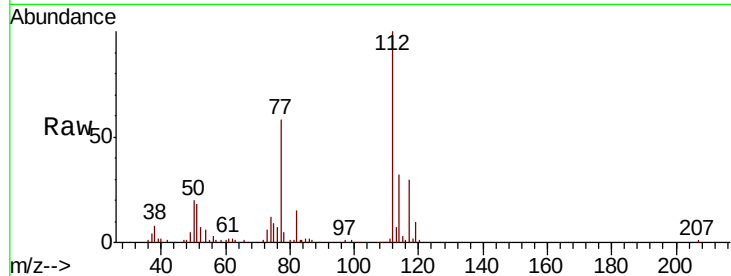




#65
Chlorobenzene
Concen: 20.672 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

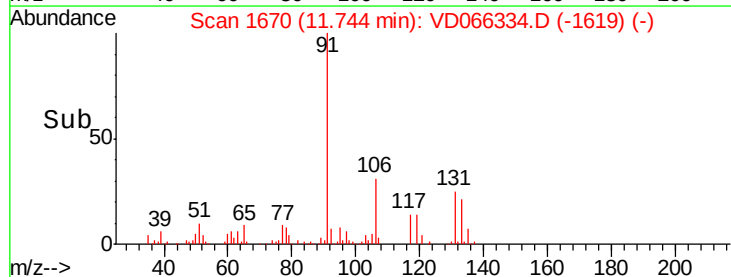
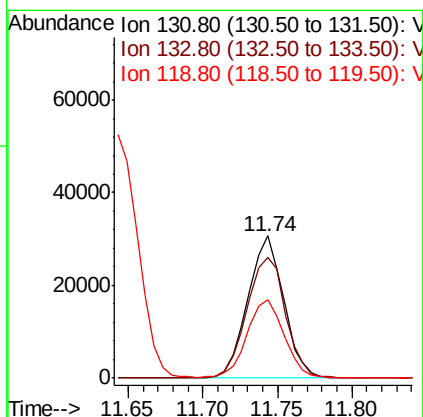
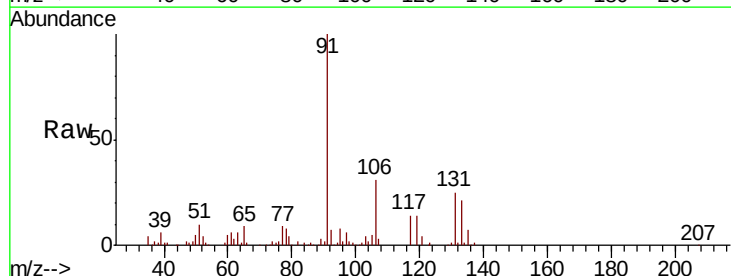
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

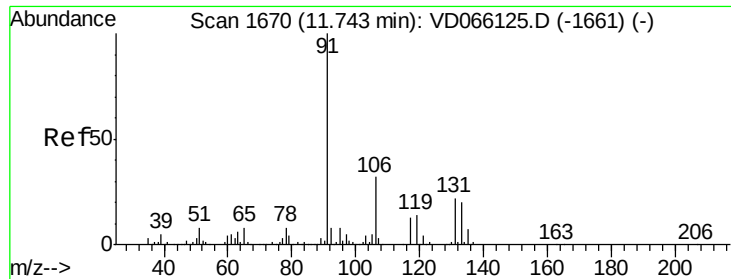
Tot Ion:112 Resp: 121378
Ion Ratio Lower Upper
112 100
114 32.1 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 22.176 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion:131 Resp: 50947
Ion Ratio Lower Upper
131 100
133 91.9 47.1 141.4
119 57.3 31.6 94.7

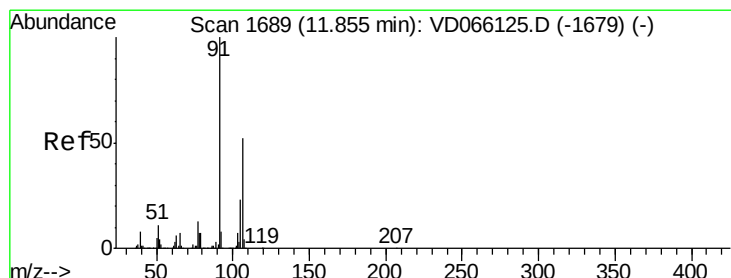
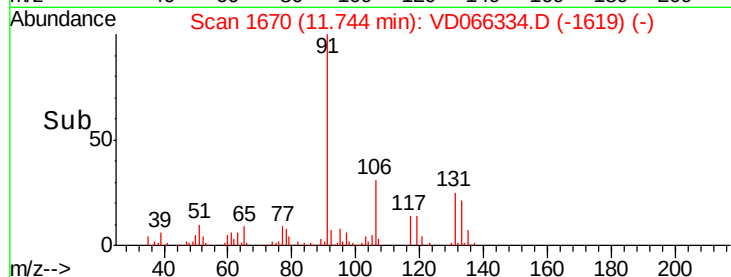
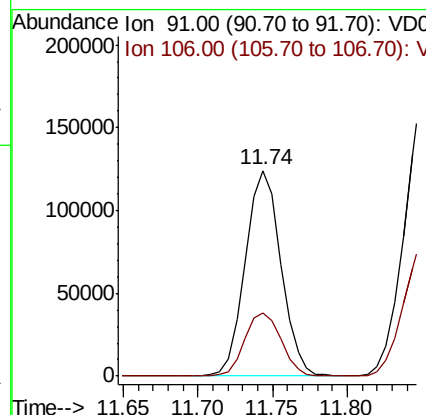
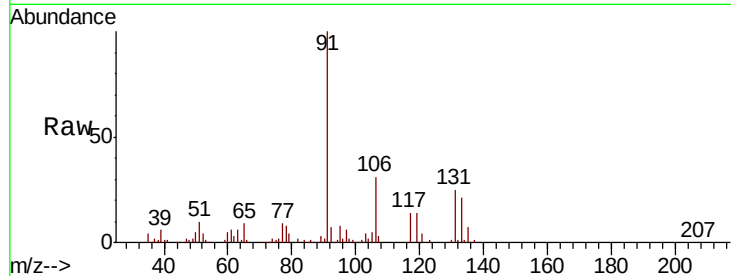




#67
Ethyl Benzene
Concen: 20.204 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

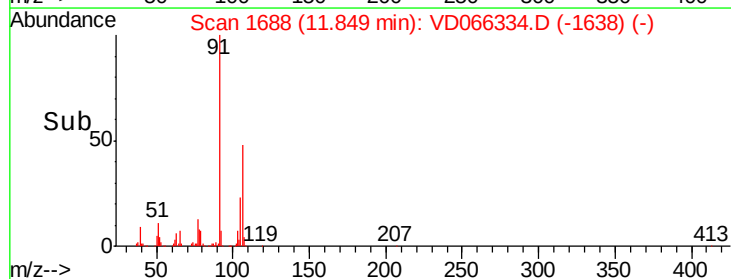
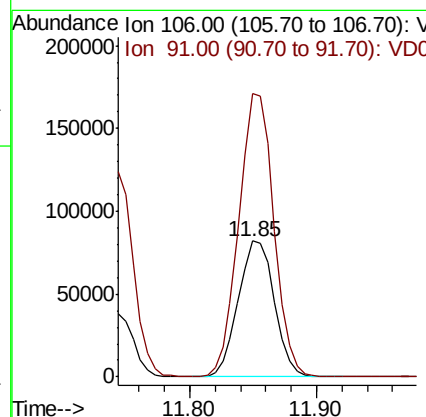
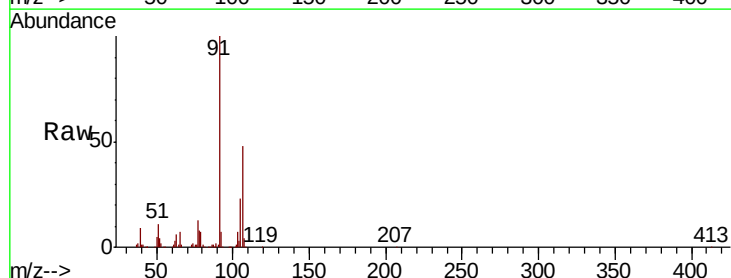
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

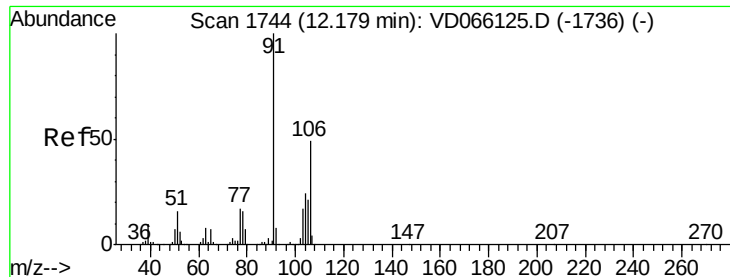
Tot Ion: 91 Resp: 205579
Ion Ratio Lower Upper
91 100
106 30.7 25.7 38.5



#68
m/p-Xylenes
Concen: 41.156 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 106 Resp: 162245
Ion Ratio Lower Upper
106 100
91 202.4 156.6 235.0

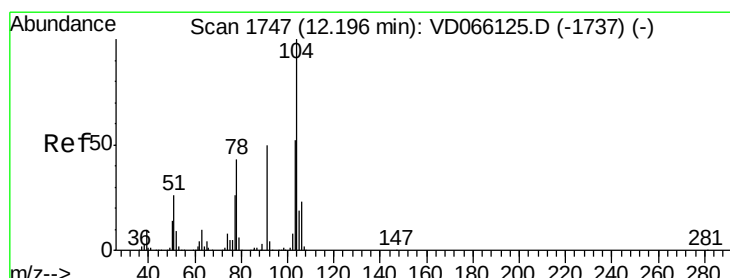
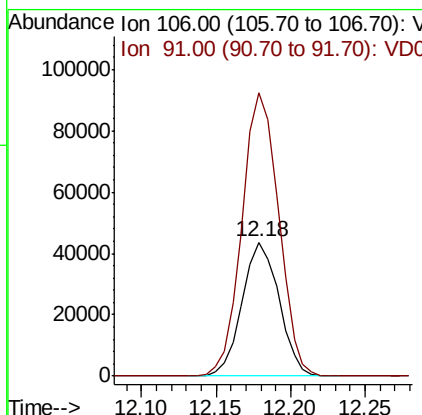
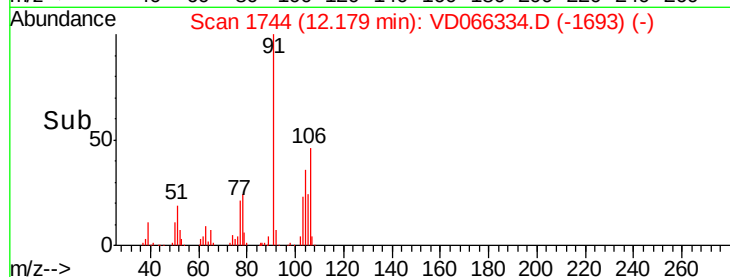
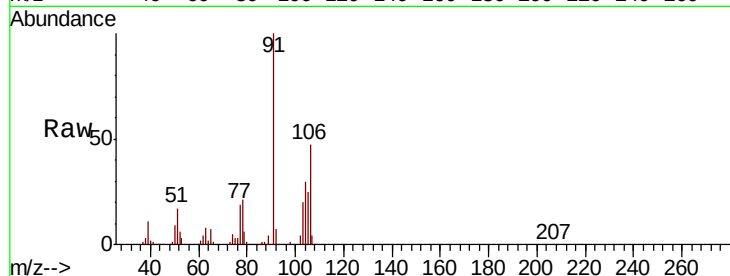




#69
o-Xylene
Concen: 20.840 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

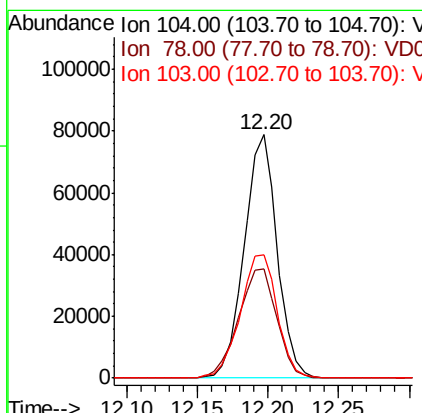
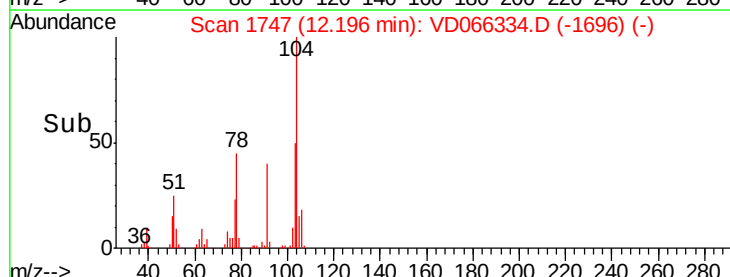
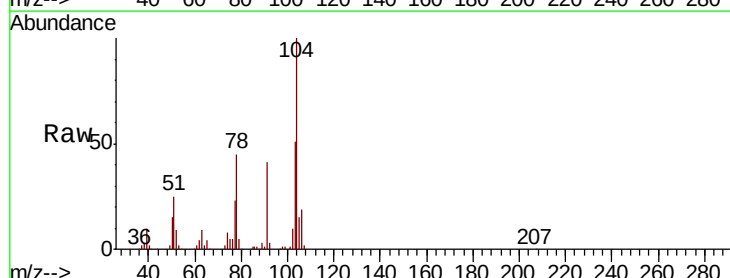
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

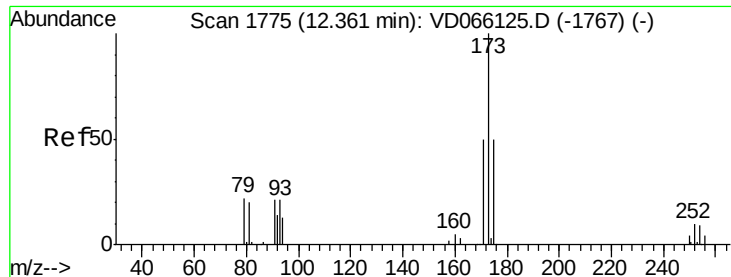
Tot Ion:106 Resp: 74736
Ion Ratio Lower Upper
106 100
91 210.9 105.7 317.1



#70
Styrene
Concen: 20.487 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion:104 Resp: 128754
Ion Ratio Lower Upper
104 100
78 52.4 38.6 58.0
103 56.8 44.1 66.1





#71

Bromoform

Concen: 20.743 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD02

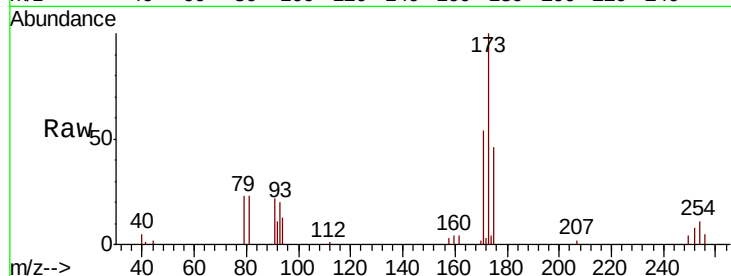
Tot Ion:173 Resp: 28235

Ion Ratio Lower Upper

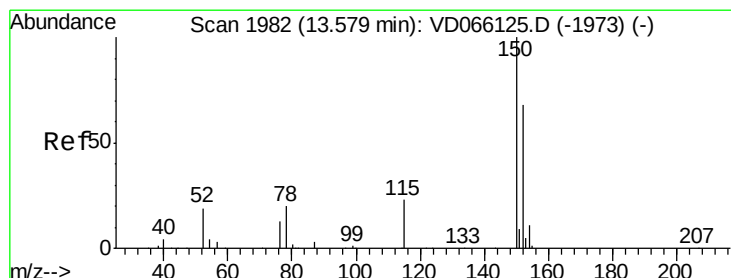
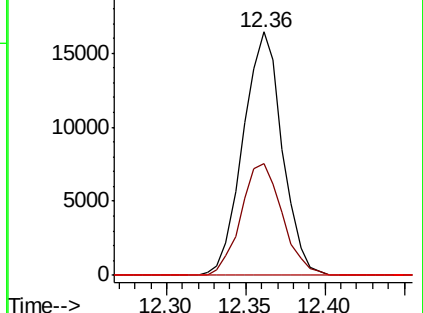
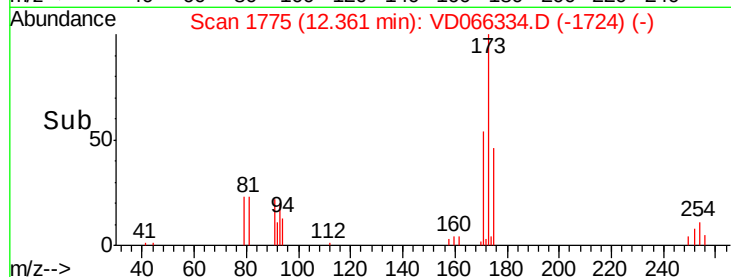
173 100

175 48.5 24.6 73.6

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

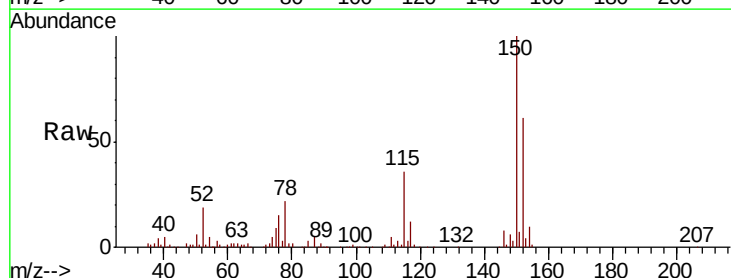
Tgt Ion:152 Resp: 145216

Ion Ratio Lower Upper

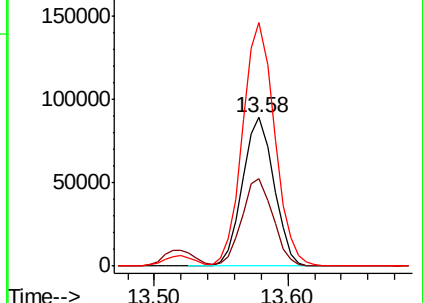
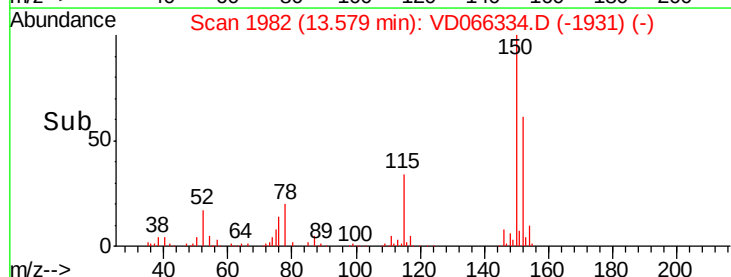
152 100

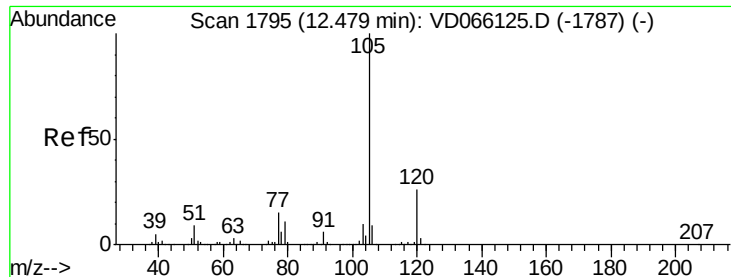
115 58.0 28.0 83.9

150 167.2 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: 21.558 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

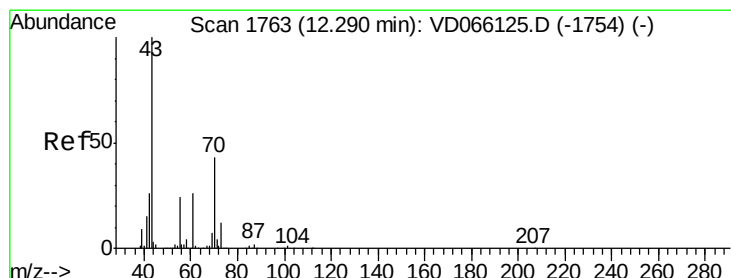
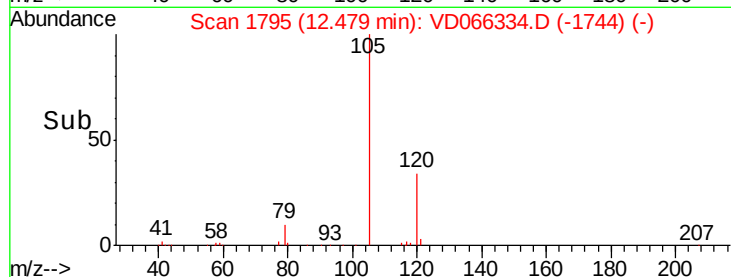
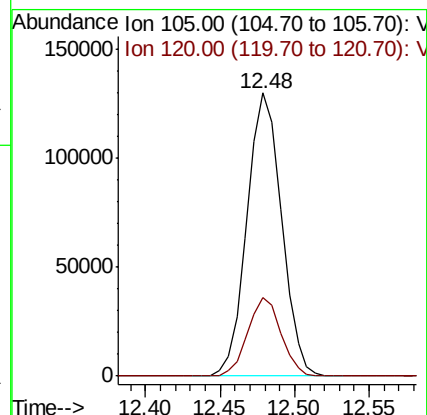
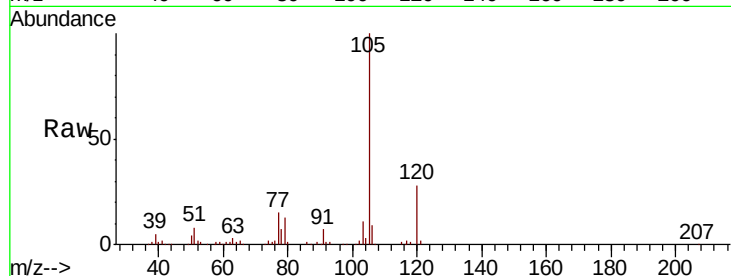
VD0819SBSD02

Tot Ion:105 Resp: 208972

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 17.208 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Tgt Ion: 43 Resp: 36731

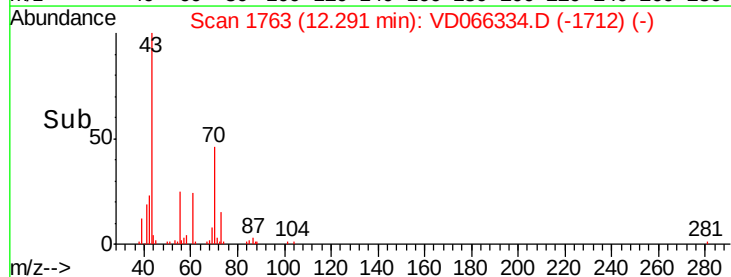
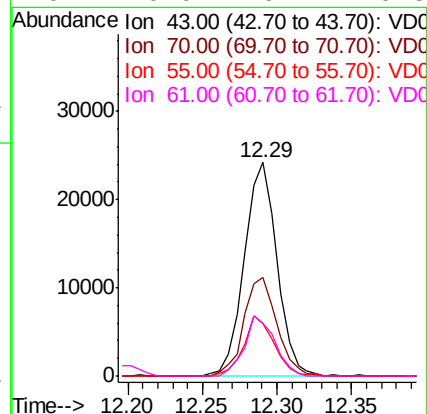
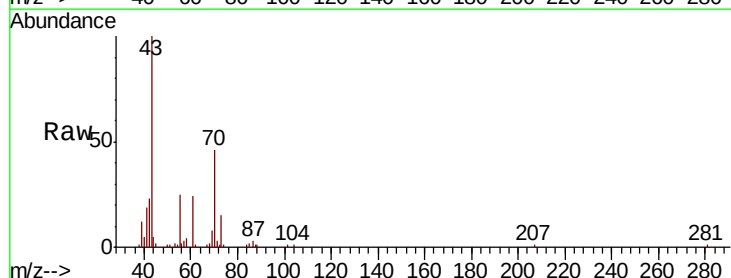
Ion Ratio Lower Upper

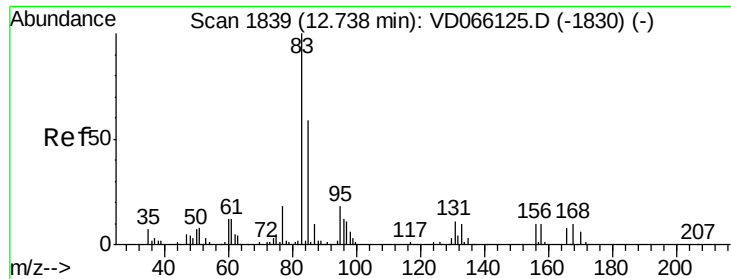
43 100

70 46.8 34.9 52.3

55 26.2 19.2 28.8

61 26.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.293 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD02

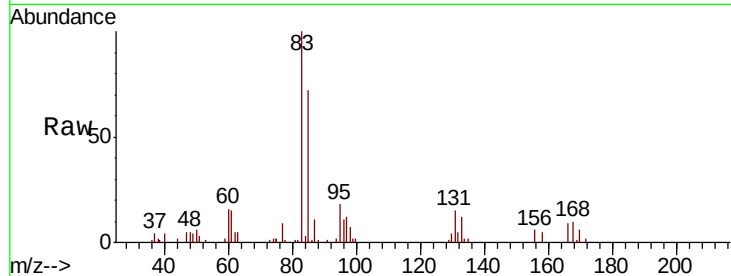
Tot Ion: 83 Resp: 31889

Ion Ratio Lower Upper

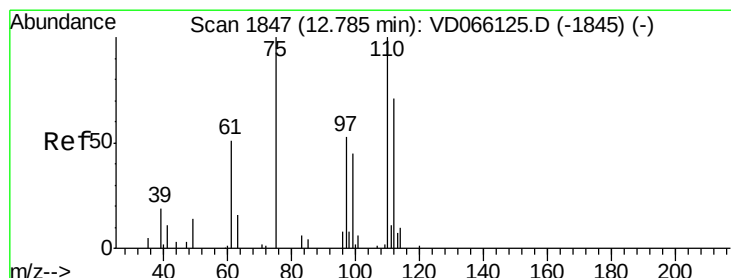
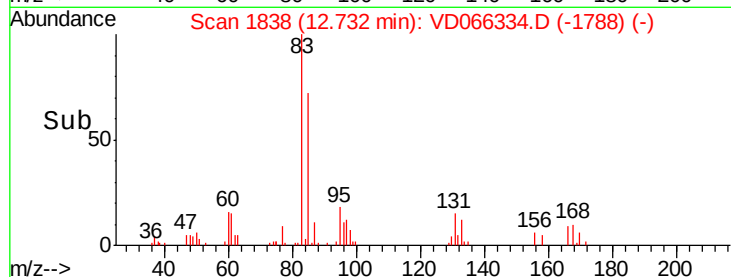
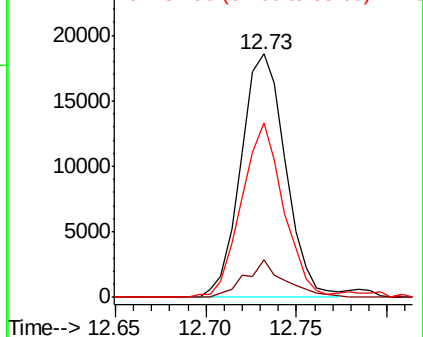
83 100

131 13.6 6.2 18.6

85 67.6 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: 36.277 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066334.D

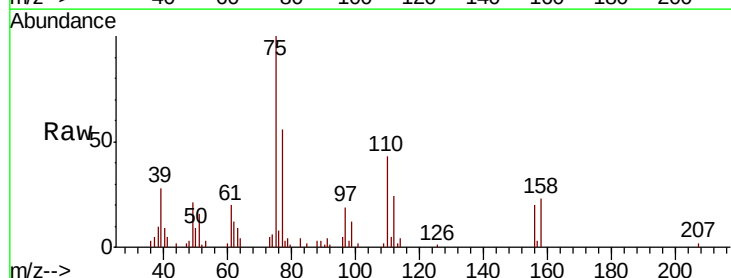
Acq: 20 Aug 2020 00:31

Tgt Ion: 75 Resp: 43931

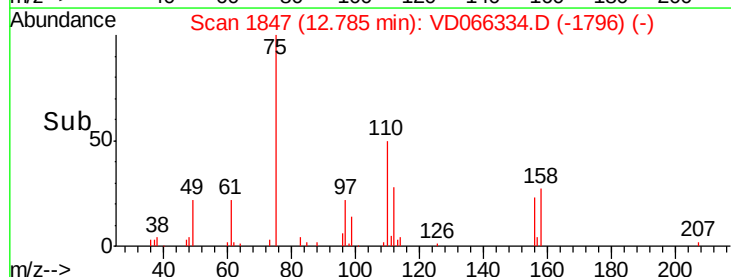
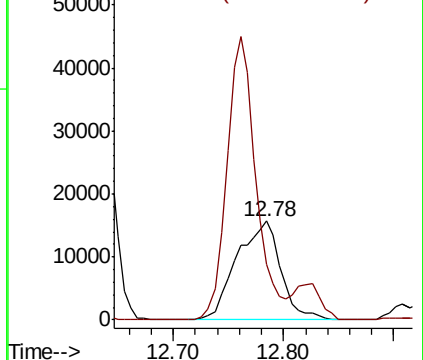
Ion Ratio Lower Upper

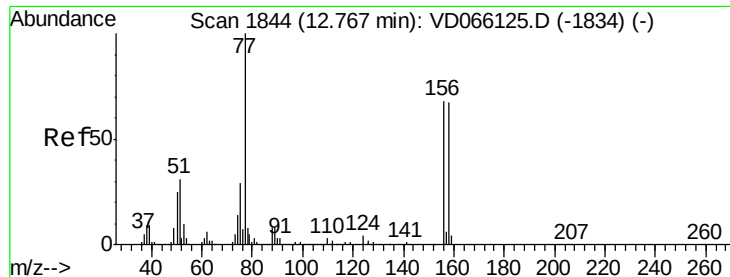
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.581 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD02

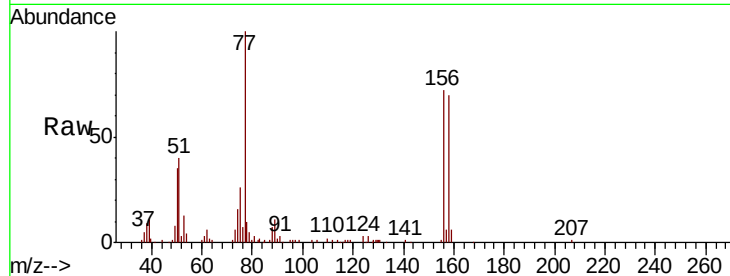
Tot Ion:156 Resp: 53851

Ion Ratio Lower Upper

156 100

77 154.3 81.0 243.1

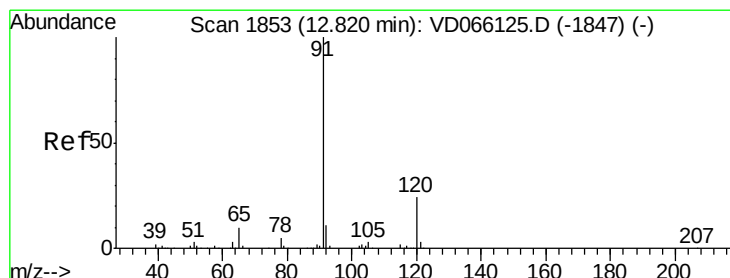
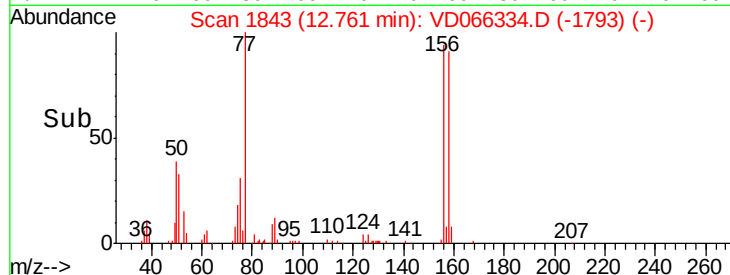
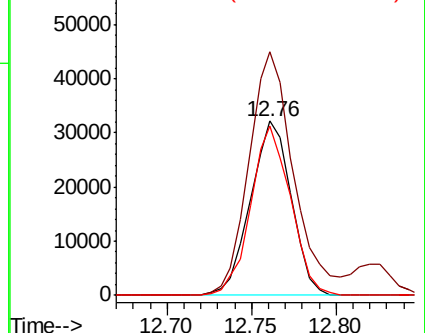
158 95.1 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.107 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066334.D

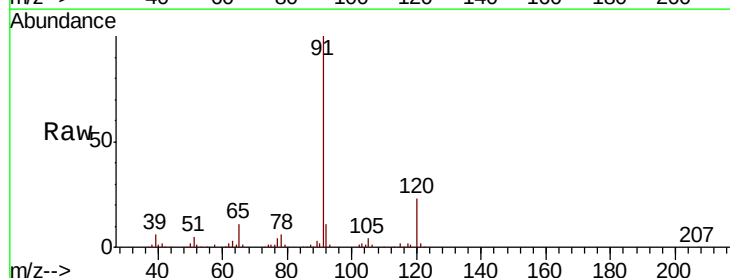
Acq: 20 Aug 2020 00:31

Tgt Ion: 91 Resp: 237830

Ion Ratio Lower Upper

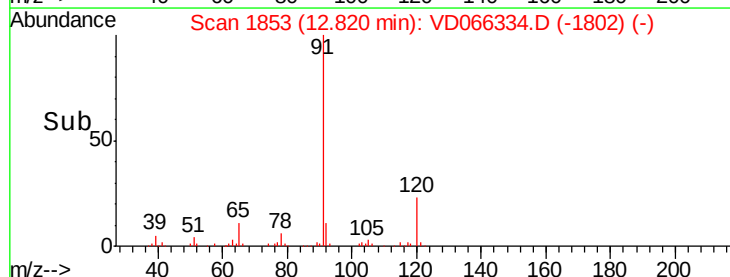
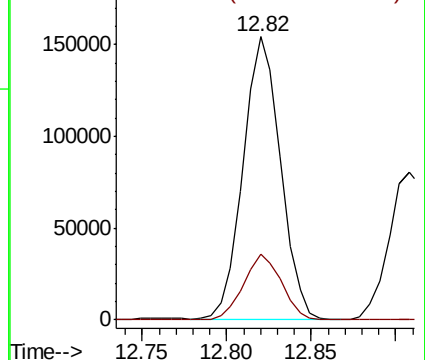
91 100

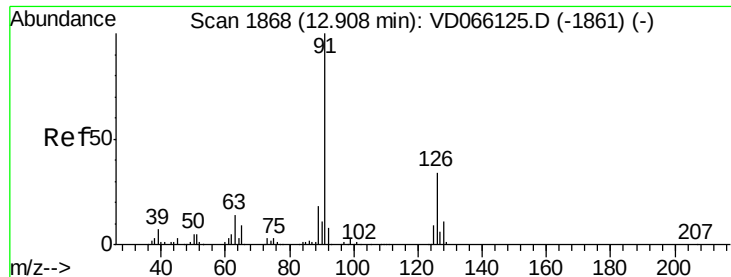
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.789 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

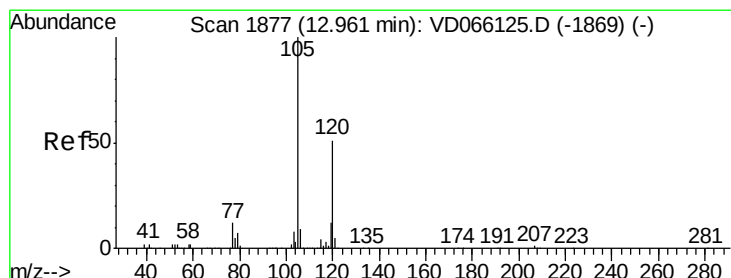
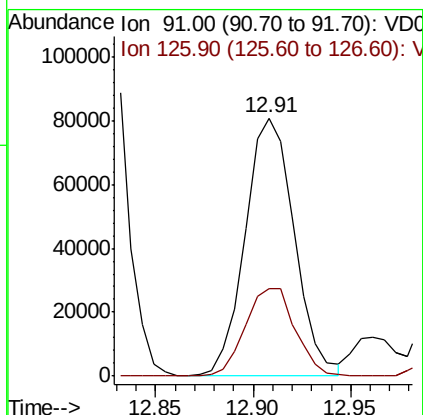
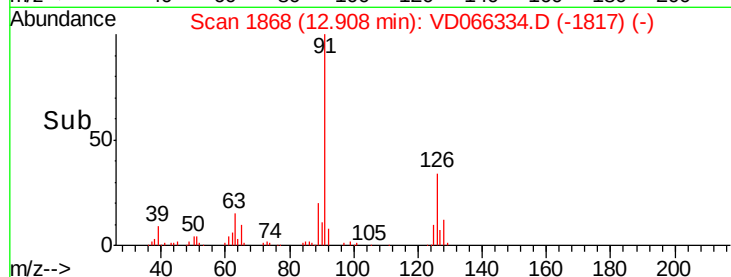
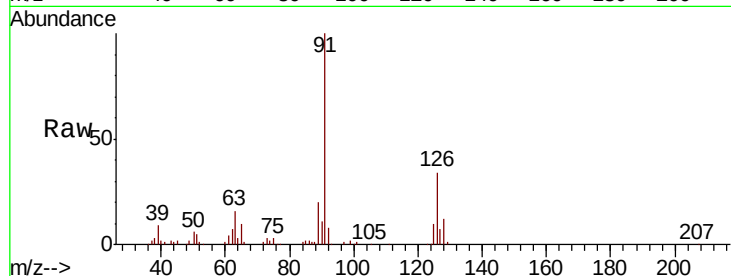
VD0819SBSD02

Tot Ion: 91 Resp: 140421

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 21.940 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066334.D

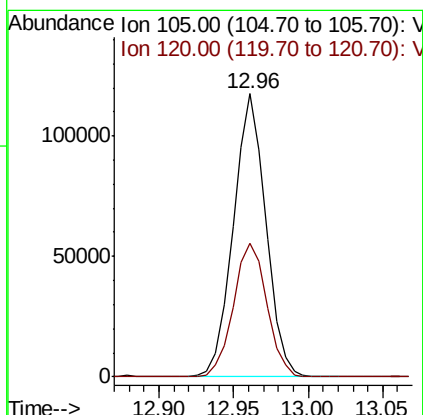
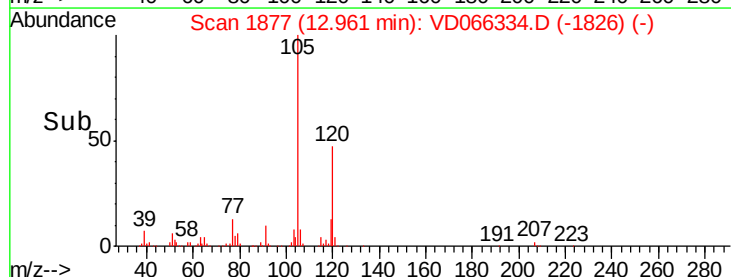
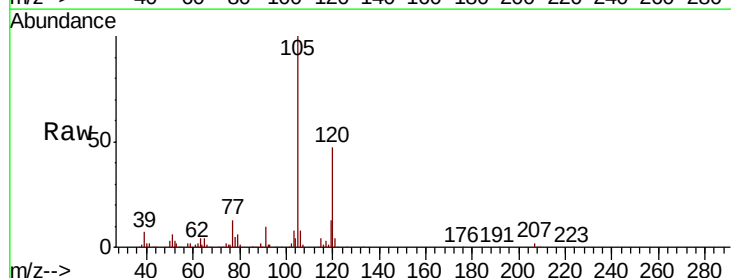
Acq: 20 Aug 2020 00:31

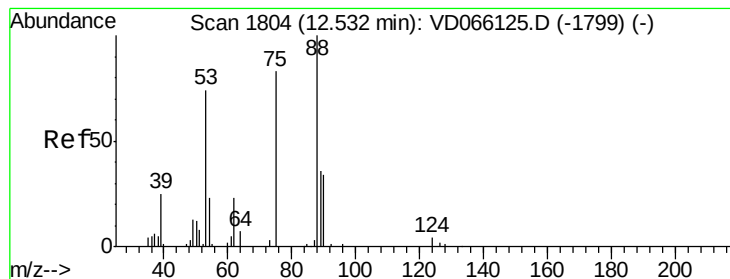
Tgt Ion:105 Resp: 177860

Ion Ratio Lower Upper

105 100

120 48.6 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.117 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

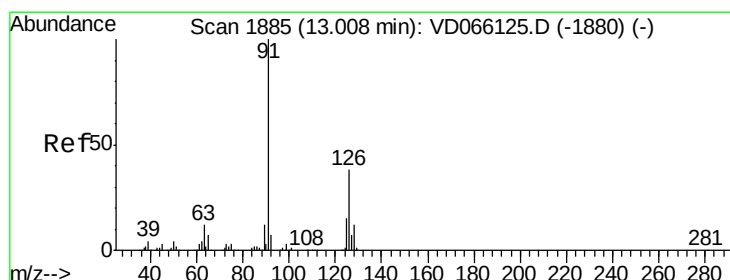
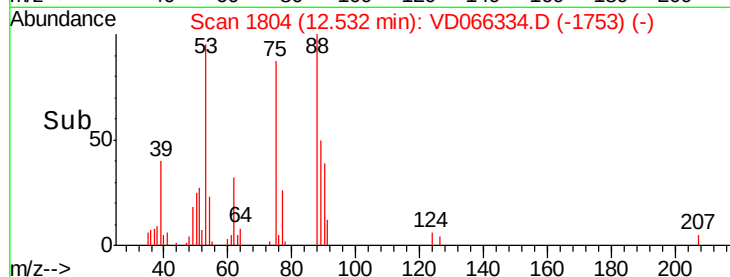
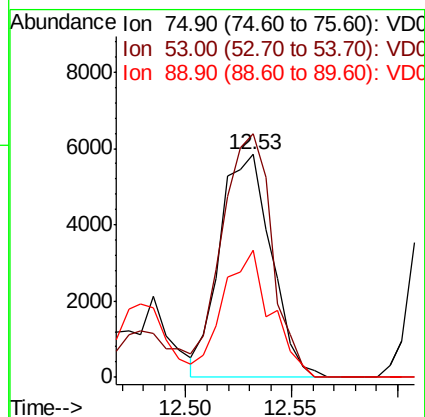
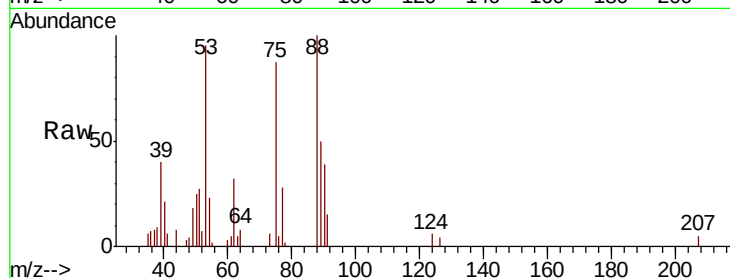
Tot Ion: 75 Resp: 9925

Ion Ratio Lower Upper

75 100

53 105.3 73.4 110.2

89 53.4 36.6 55.0



#82

4-Chlorotoluene

Concen: 21.471 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066334.D

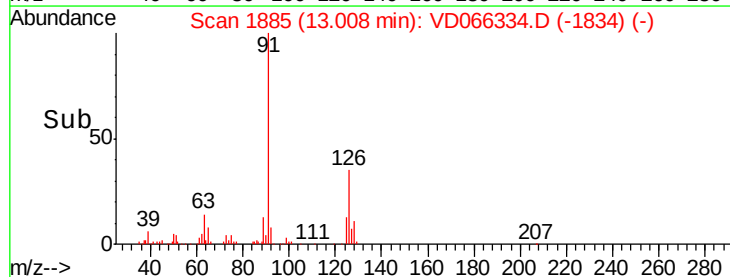
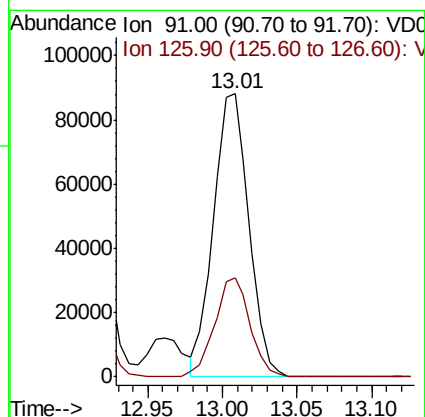
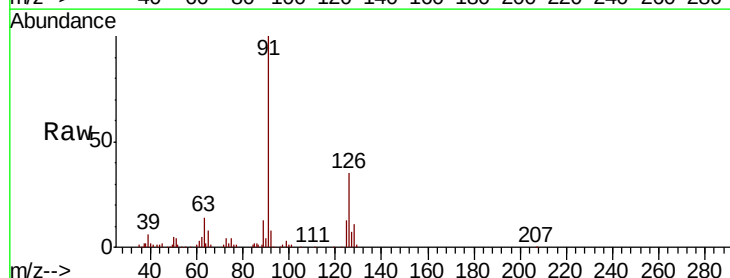
Acq: 20 Aug 2020 00:31

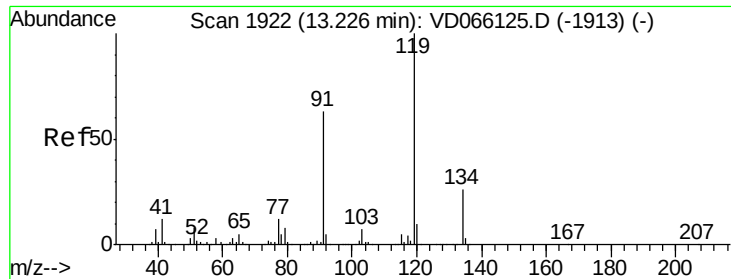
Tgt Ion: 91 Resp: 146071

Ion Ratio Lower Upper

91 100

126 34.9 17.8 53.3

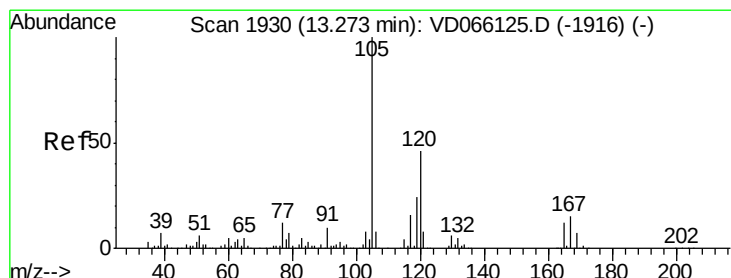
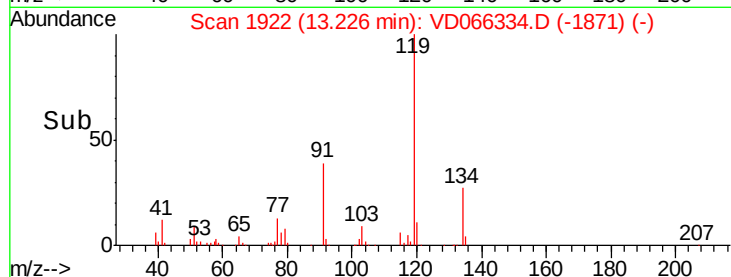
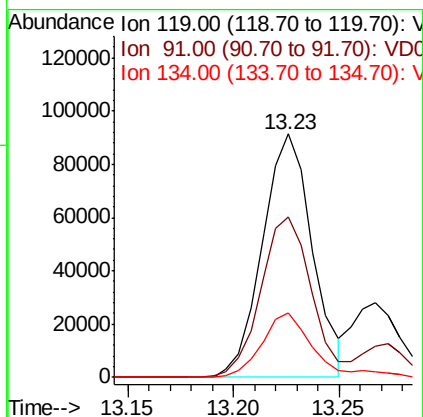
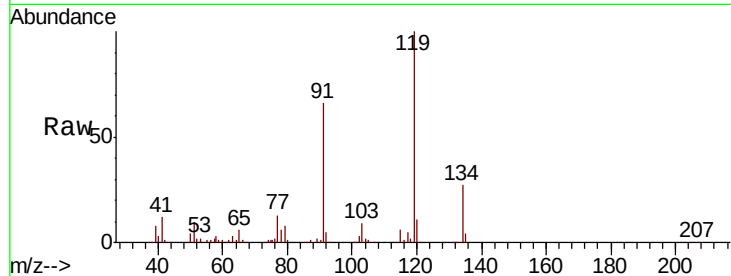




#83
tert-Butylbenzene
Concen: 21.087 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

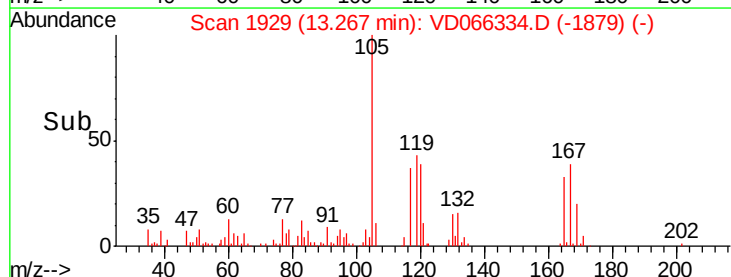
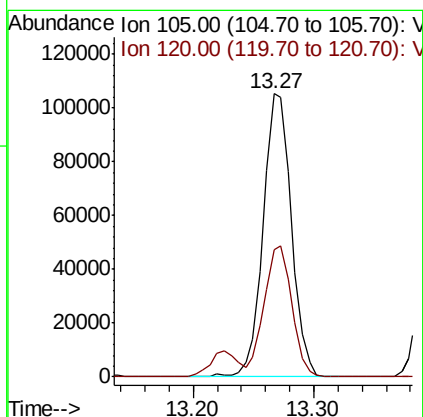
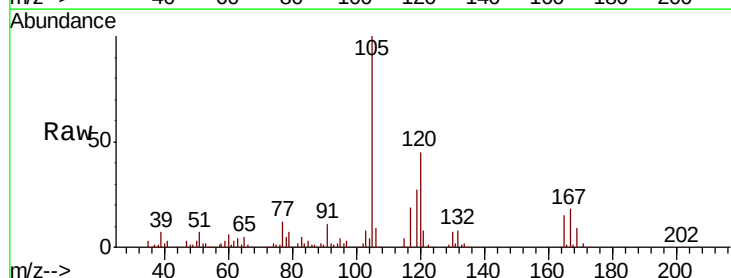
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

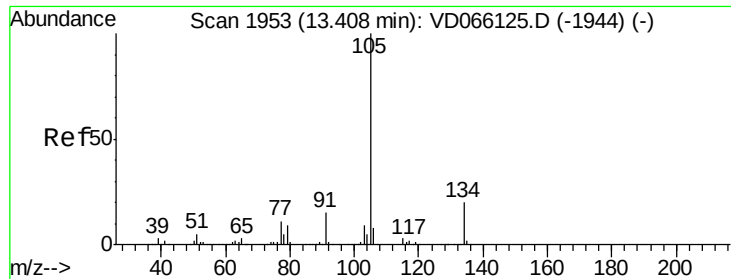
Tot Ion:119 Resp: 150340
Ion Ratio Lower Upper
119 100
91 67.4 30.8 92.4
134 27.4 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.210 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion:105 Resp: 172075
Ion Ratio Lower Upper
105 100
120 45.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 20.574 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

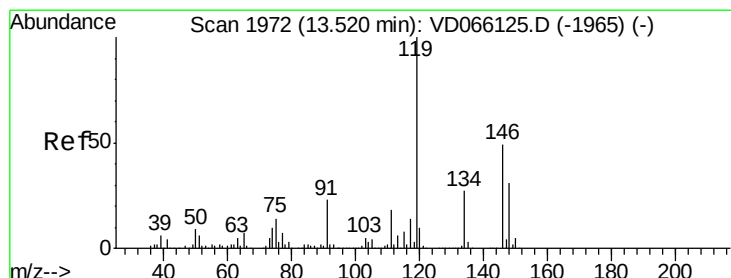
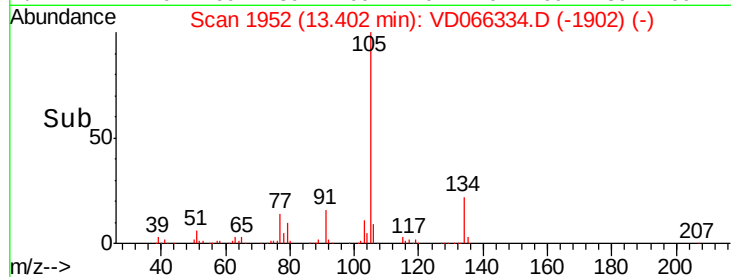
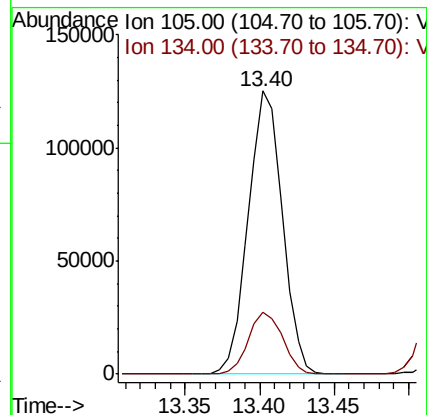
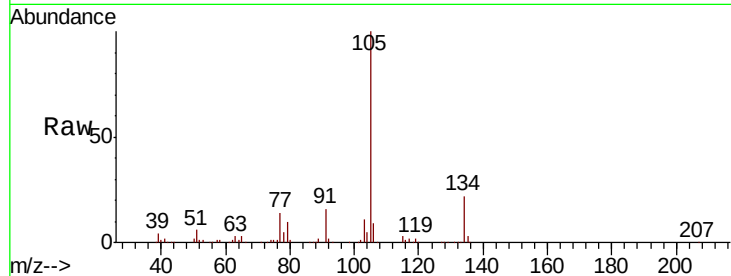
VD0819SBS02

Tot Ion:105 Resp: 198036

Ion Ratio Lower Upper

105 100

134 21.9 10.4 31.4



#86

p-Isopropyltoluene

Concen: 21.137 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

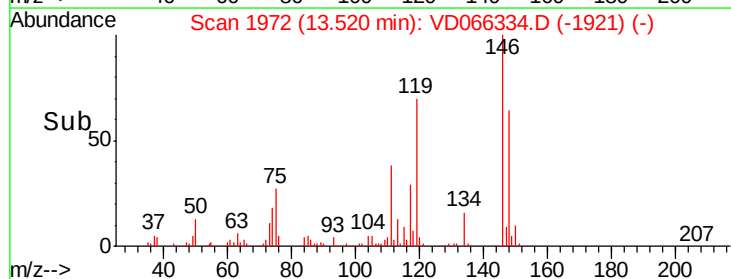
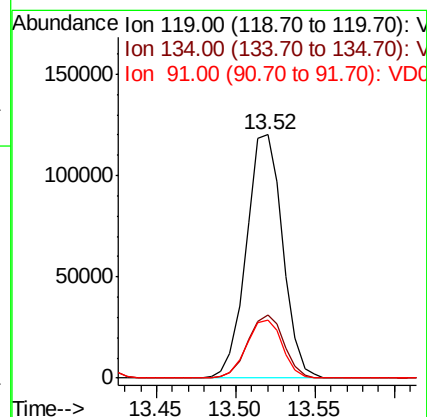
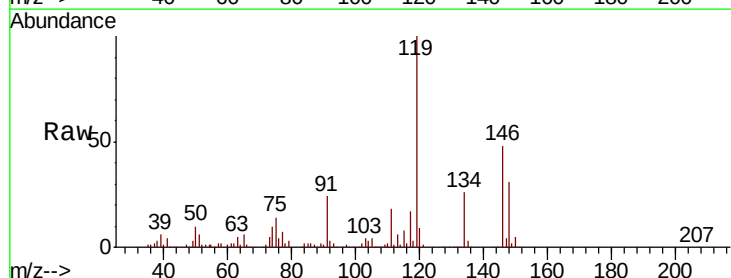
Tgt Ion:119 Resp: 190822

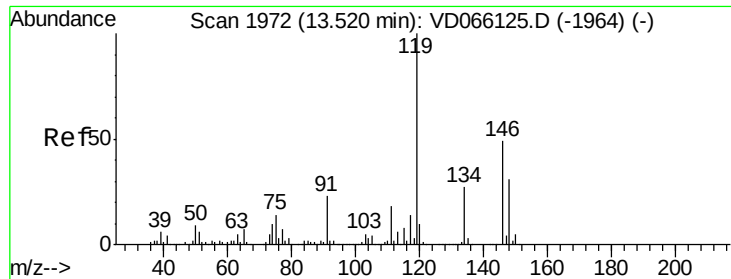
Ion Ratio Lower Upper

119 100

134 25.8 13.5 40.4

91 23.8 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.589 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD02

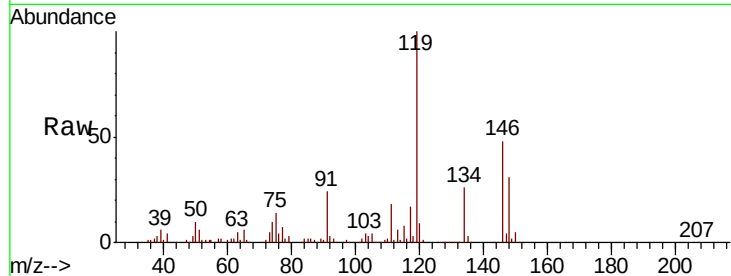
Tot Ion:146 Resp: 96561

Ion Ratio Lower Upper

146 100

111 39.0 18.9 56.9

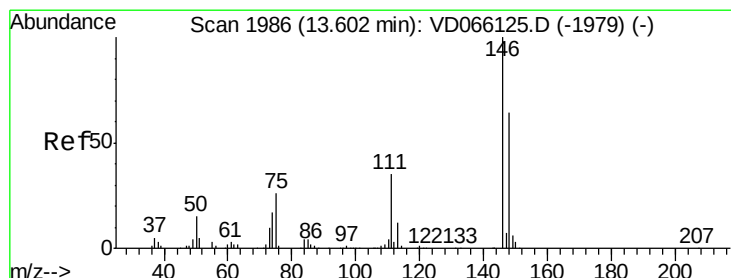
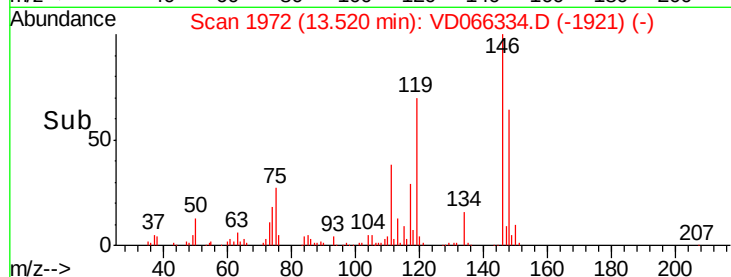
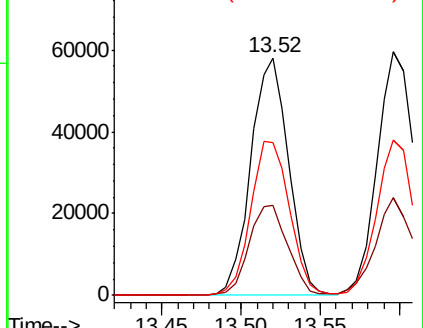
148 66.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.699 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

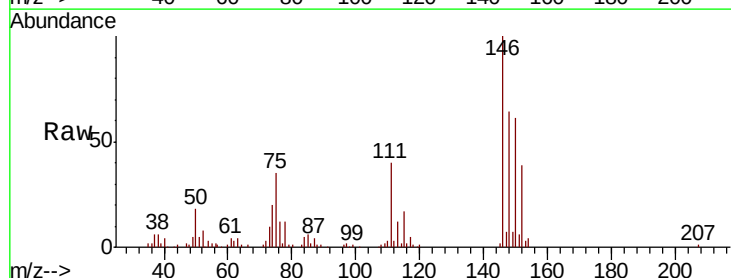
Tgt Ion:146 Resp: 96812

Ion Ratio Lower Upper

146 100

111 40.5 18.6 55.8

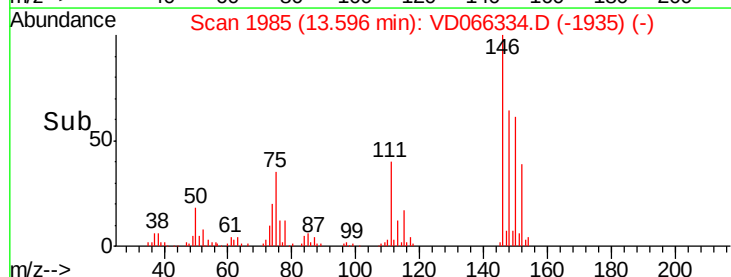
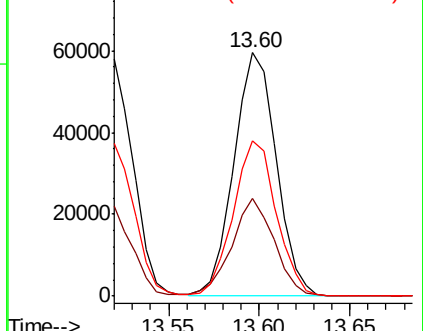
148 65.2 32.4 97.0

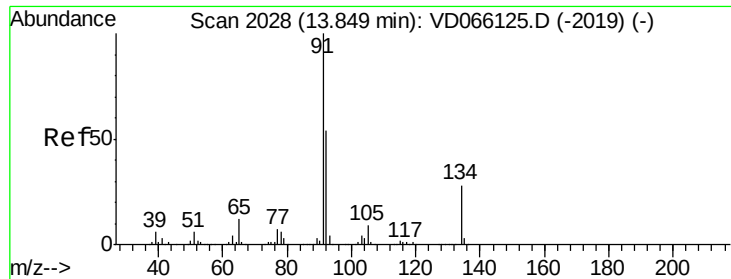


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

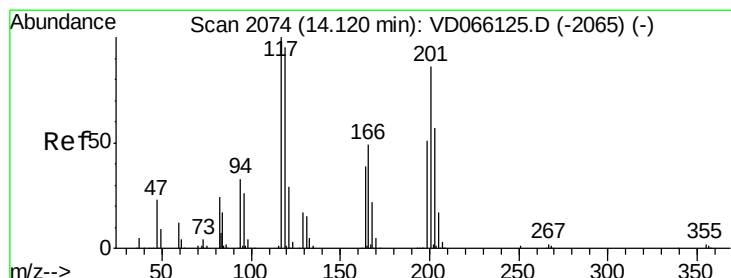
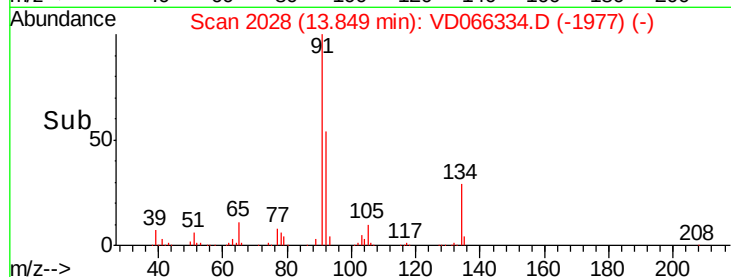
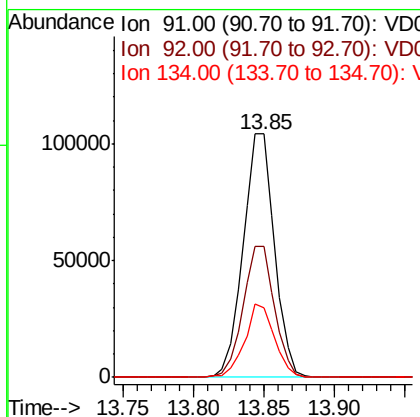
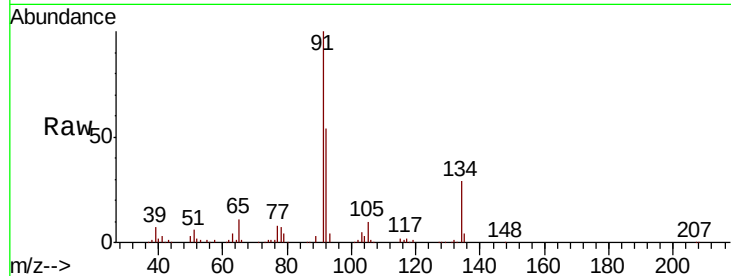




#89
n-Butylbenzene
Concen: 19.943 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

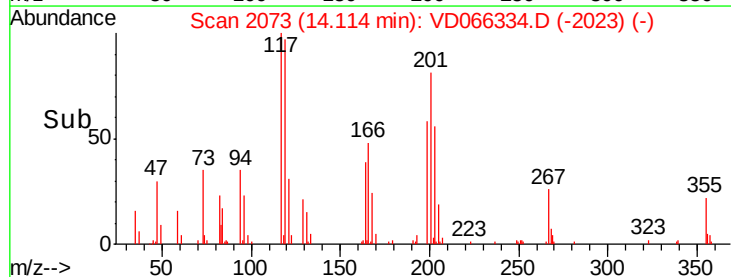
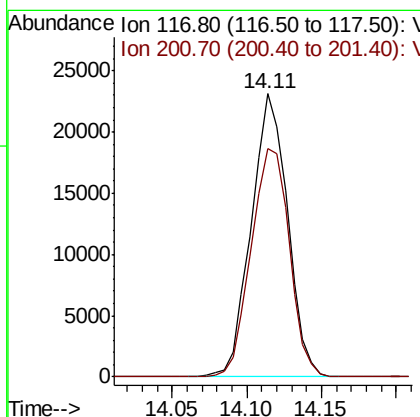
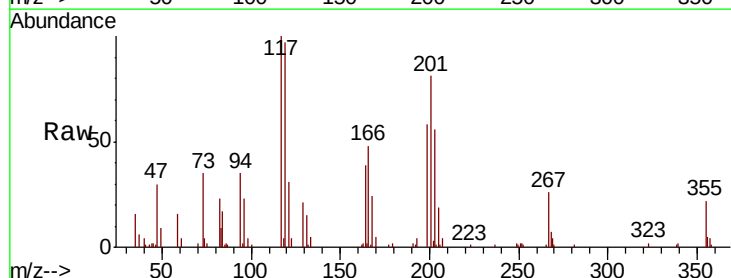
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

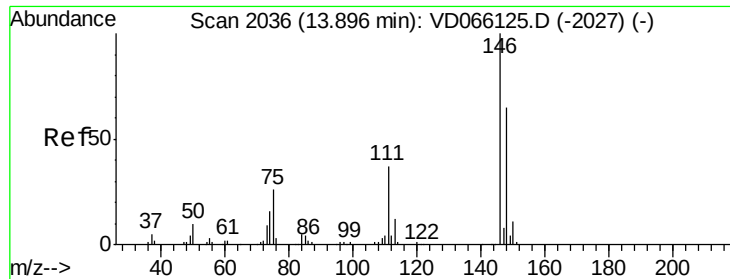
Tot Ion: 91 Resp: 161310
Ion Ratio Lower Upper
91 100
92 54.0 26.8 80.3
134 28.5 14.0 41.9



#90
Hexachloroethane
Concen: 21.565 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 117 Resp: 38828
Ion Ratio Lower Upper
117 100
201 85.4 42.7 128.1

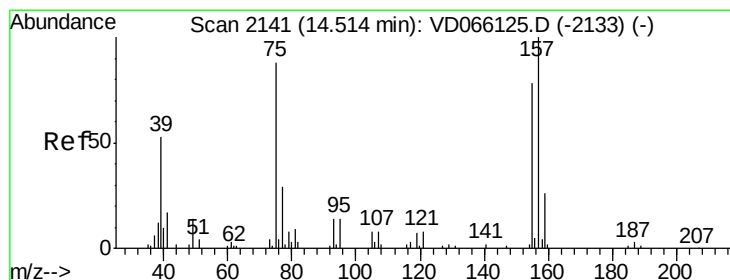
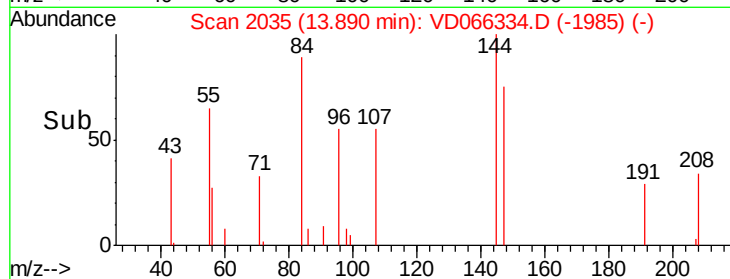
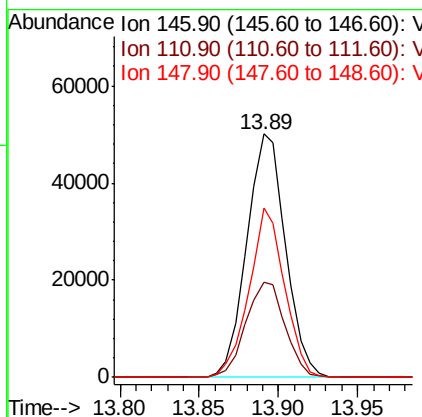
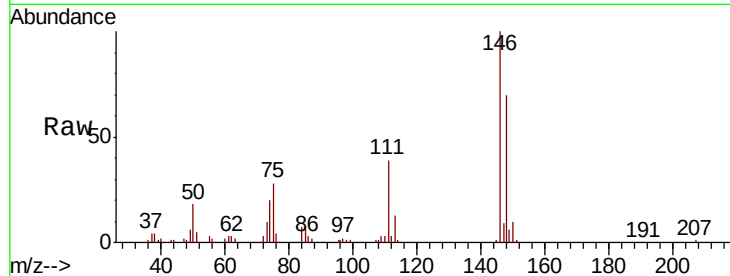




#91
 1,2-Dichlorobenzene
 Concen: 20.514 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

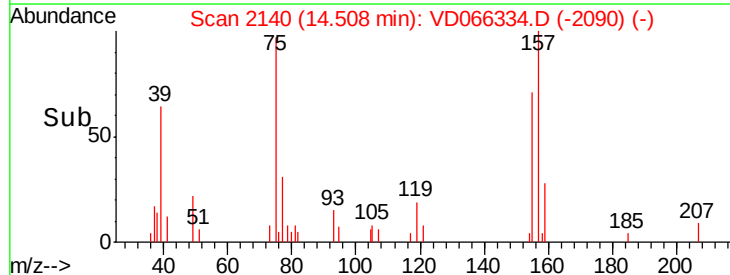
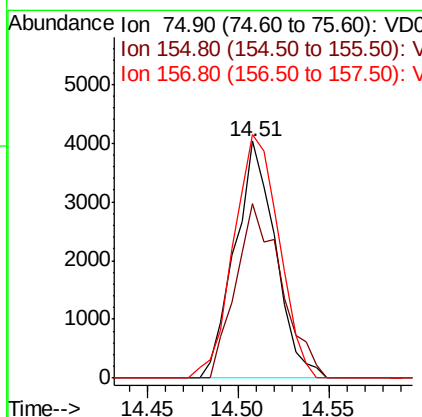
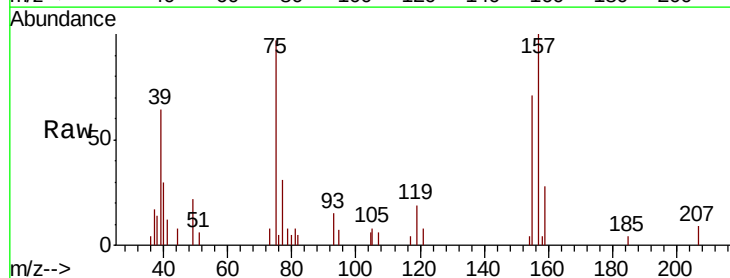
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

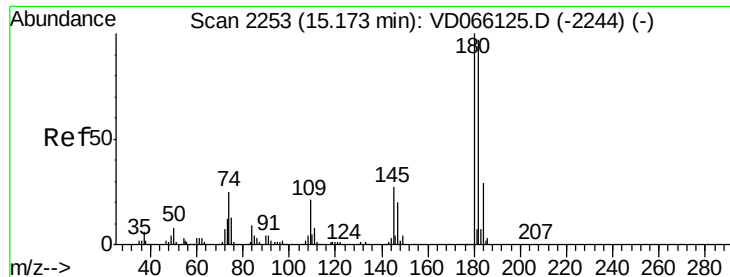
Tot Ion:146 Resp: 85083
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.8 56.3
 148 64.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.131 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion: 75 Resp: 6287
 Ion Ratio Lower Upper
 75 100
 155 82.4 47.7 143.1
 157 114.4 62.1 186.2

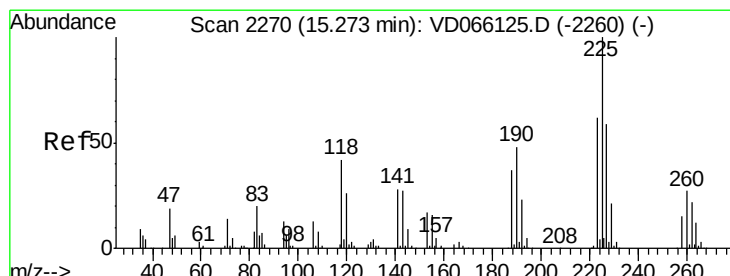
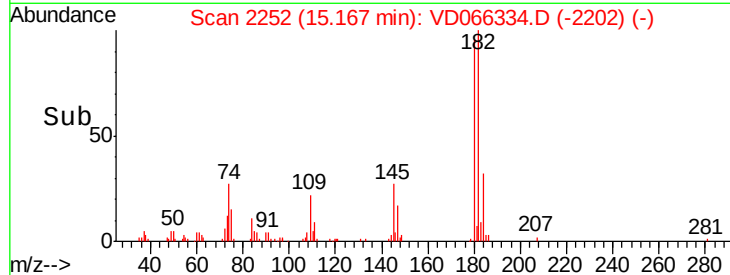
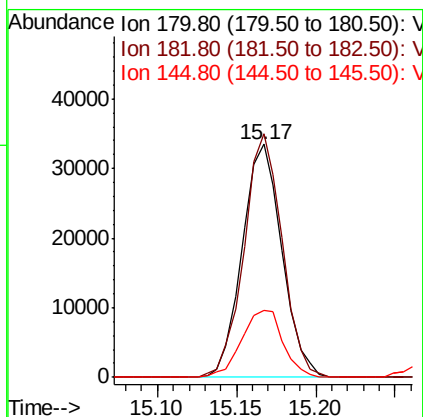
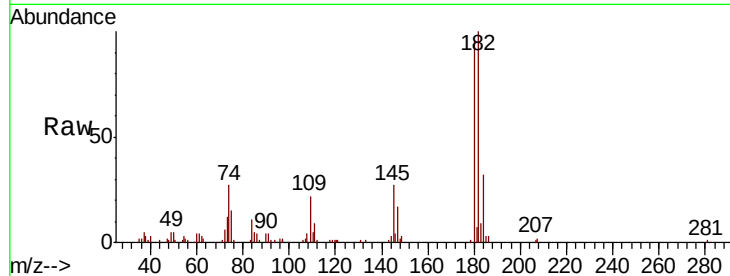




#93
 1,2,4-Trichlorobenzene
 Concen: 19.040 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

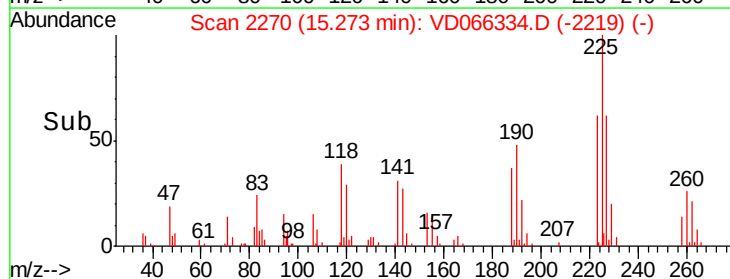
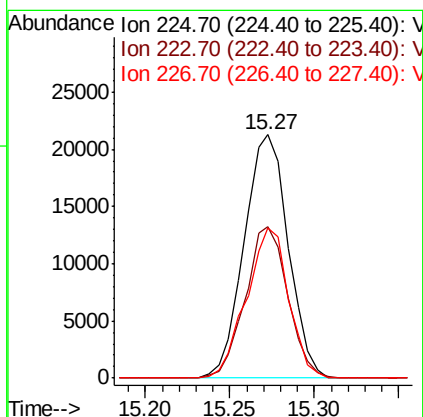
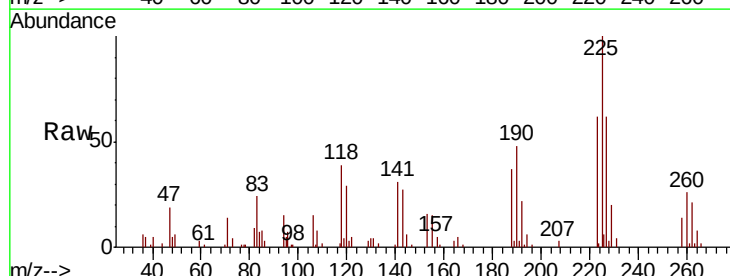
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD02

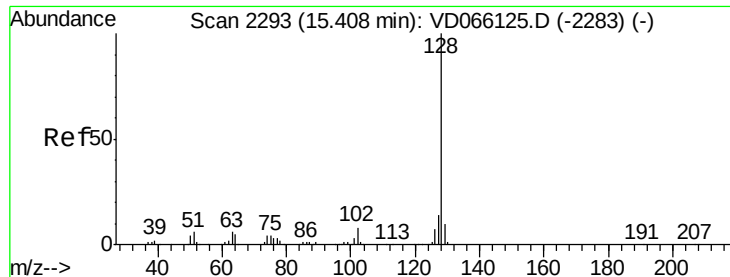
Tot Ion	Ratio	Lower	Upper
180	100		
182	100.5	47.4	142.2
145	30.1	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 21.417 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	32.3	96.9
227	59.0	32.1	96.5





#95

Naphthalene

Concen: 20.150 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

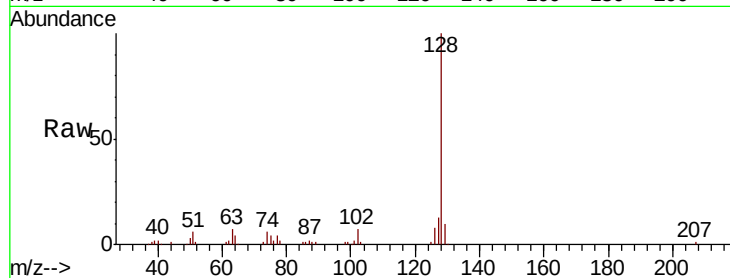
Tot Ion:128 Resp: 100353

Ion Ratio Lower Upper

128 100

127 13.0 11.0 16.4

129 10.3 8.8 13.2

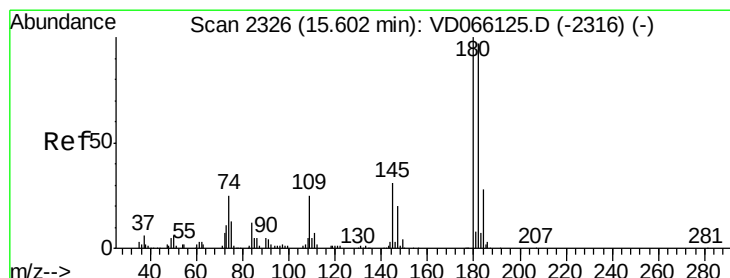
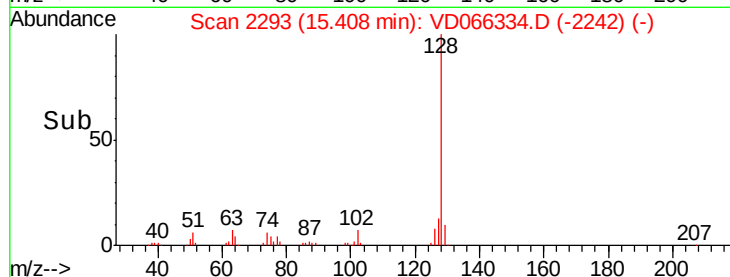
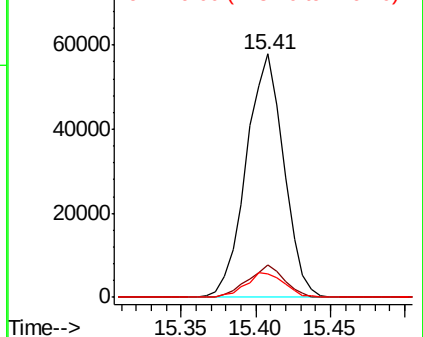


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.811 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

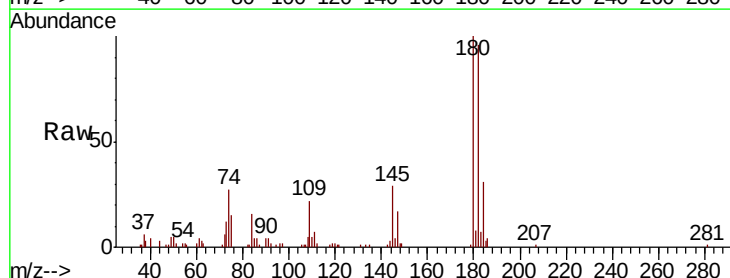
Tgt Ion:180 Resp: 53455

Ion Ratio Lower Upper

180 100

182 94.3 47.1 141.4

145 31.9 14.9 44.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

