

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066329.D
 Acq On : 19 Aug 2020 20:02
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 20 07:19:02 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	227114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	336701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	317869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	159078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	115366	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
35) Dibromofluoromethane	7.91	113	112617	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	10.34	98	404549	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.63	95	145600	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77170	38.567	ug/l	98
3) Chloromethane	2.21	50	65560	42.119	ug/l	96
4) Vinyl Chloride	2.35	62	67142	48.723	ug/l	98
5) Bromomethane	2.76	94	48282	52.810	ug/l	99
6) Chloroethane	2.92	64	43240	51.118	ug/l #	88
7) Trichlorofluoromethane	3.27	101	177826	49.497	ug/l	96
8) Diethyl Ether	3.71	74	49151	48.486	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	99872	46.842	ug/l	98
10) Methyl Iodide	4.30	142	105320	53.686	ug/l	98
11) Tert butyl alcohol	5.21	59	36942	243.119	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	94190	46.829	ug/l	94
13) Acrolein	3.92	56	31584	195.832	ug/l	98
14) Allyl chloride	4.71	41	143453	47.078	ug/l	93
15) Acrylonitrile	5.42	53	107901	252.594	ug/l	99
16) Acetone	4.16	43	87793	228.356	ug/l	94
17) Carbon Disulfide	4.40	76	253509	39.641	ug/l	96
18) Methyl Acetate	4.71	43	49952	51.152	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	247190	53.619	ug/l	100
20) Methylene Chloride	4.96	84	126350	57.970	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	106736	46.195	ug/l	99
22) Diisopropyl ether	6.36	45	292064	48.469	ug/l	91
23) Vinyl Acetate	6.30	43	875769	248.084	ug/l	100
24) 1,1-Dichloroethane	6.26	63	187415	50.257	ug/l	97
25) 2-Butanone	7.21	43	127661	225.763	ug/l	97
26) 2,2-Dichloropropane	7.20	77	174471	52.201	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	125463	51.769	ug/l	99
28) Bromochloromethane	7.54	49	67137	51.259	ug/l	100
29) Tetrahydrofuran	7.56	42	83543	238.461	ug/l	97
30) Chloroform	7.71	83	211235	53.946	ug/l	99
31) Cyclohexane	7.98	56	145677	41.038	ug/l	88
32) 1,1,1-Trichloroethane	7.90	97	200783	54.688	ug/l	100
36) 1,1-Dichloropropene	8.10	75	152920	48.332	ug/l	98
37) Ethyl Acetate	7.28	43	58645	46.781	ug/l	98
38) Carbon Tetrachloride	8.09	117	183238	51.934	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	172564	45.118	ug/l	99
40) Benzene	8.34	78	427924	48.755	ug/l	95
41) Methacrylonitrile	7.56	41	86160	116.893	ug/l #	21
42) 1,2-Dichloroethane	8.42	62	139441	54.079	ug/l	97
43) Isopropyl Acetate	8.45	43	124542	50.422	ug/l	98
44) Trichloroethene	9.11	130	133893	50.624	ug/l	98
45) 1,2-Dichloropropane	9.38	63	103945	48.422	ug/l	94
46) Dibromomethane	9.47	93	61694	52.176	ug/l	99
47) Bromodichloromethane	9.66	83	166964	53.426	ug/l	99
48) Methyl methacrylate	9.45	41	57723	45.768	ug/l #	78
49) 1,4-Dioxane	9.46	88	13841	911.118	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	310509	244.741	ug/l	99
52) Toluene	10.40	92	281568	48.752	ug/l	95
53) t-1,3-Dichloropropene	10.61	75	155798	52.532	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	176819	50.886	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	86564	50.841	ug/l	97
56) Ethyl methacrylate	10.66	69	106297	51.970	ug/l	99
57) 1,3-Dichloropropane	10.94	76	143293	50.694	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	253235	275.246	ug/l	98
59) 2-Hexanone	10.98	43	212555	238.715	ug/l	100
60) Dibromochloromethane	11.14	129	122658	52.181	ug/l	100
61) 1,2-Dibromoethane	11.24	107	85573	52.260	ug/l	98
64) Tetrachloroethene	10.87	164	115179	47.187	ug/l	96
65) Chlorobenzene	11.67	112	321091	49.760	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	131777	52.193	ug/l	98
67) Ethyl Benzene	11.74	91	563711	50.412	ug/l	100
68) m/p-Xylenes	11.86	106	418427	96.580	ug/l	92
69) o-Xylene	12.18	106	201505	51.129	ug/l	99
70) Styrene	12.20	104	354924	51.387	ug/l	98
71) Bromoform	12.36	173	79042	52.839	ug/l #	96
73) Isopropylbenzene	12.48	105	562458	52.968	ug/l	100
74) N-amyl acetate	12.28	43	116442	49.797	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	91058	50.289	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	122648	92.453	ug/l #	100
77) Bromobenzene	12.76	156	141595	51.800	ug/l	98
78) n-propylbenzene	12.82	91	643775	52.154	ug/l	99
79) 2-Chlorotoluene	12.91	91	374734	53.080	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	470372	52.966	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	30200	50.323	ug/l	90
82) 4-Chlorotoluene	13.01	91	384276	51.563	ug/l	100
83) tert-Butylbenzene	13.23	119	410994	52.624	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	469229	52.797	ug/l	98
85) sec-Butylbenzene	13.40	105	549308	52.095	ug/l	99
86) p-Isopropyltoluene	13.52	119	516579	52.234	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	261835	50.965	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	261113	50.963	ug/l	100
89) n-Butylbenzene	13.85	91	463943	52.359	ug/l	99
90) Hexachloroethane	14.11	117	103791	52.621	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	232044	51.072	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17014	54.672	ug/l	95

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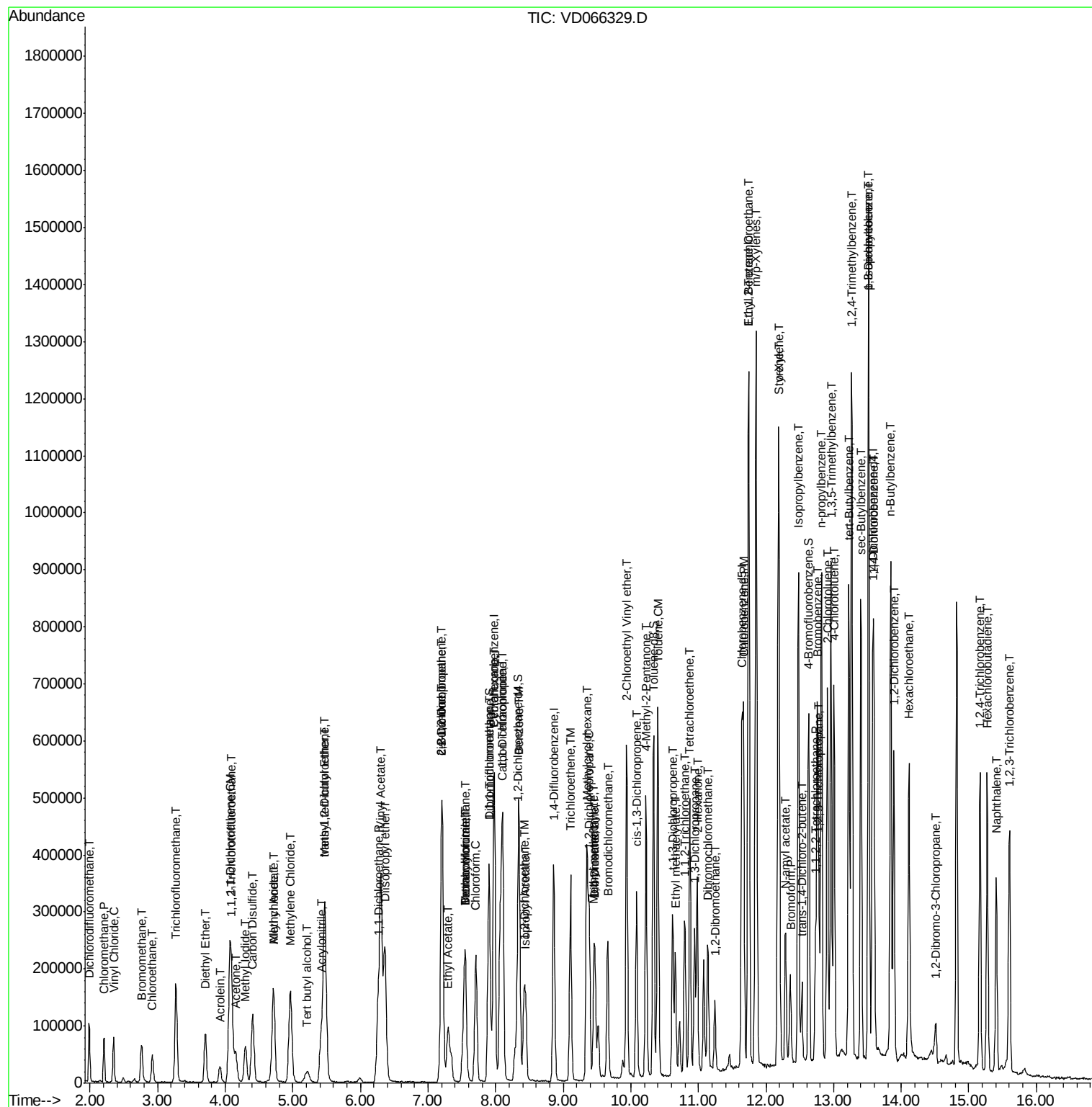
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	176512	52.717	ug/l	98
94) Hexachlorobutadiene	15.27	225	104973	53.241	ug/l	98
95) Naphthalene	15.41	128	305443	55.986	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	152977	51.756	ug/l	97

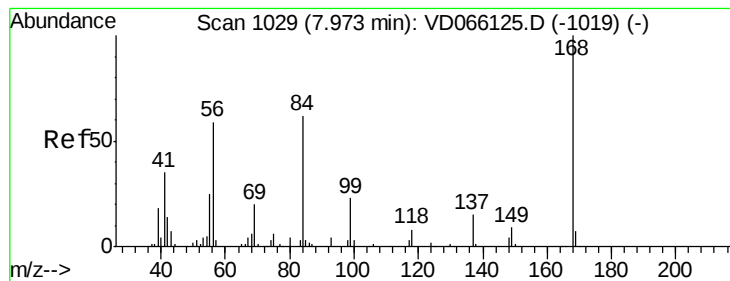
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

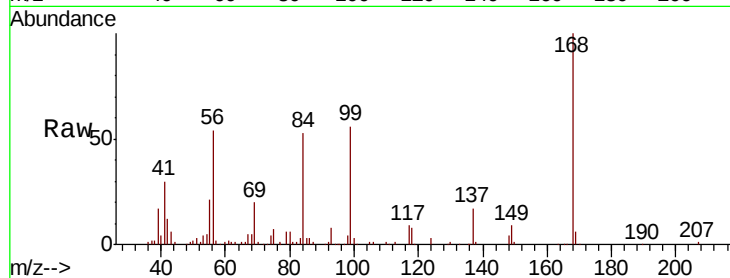
VSTDCCC050EC

Tot Ion:168 Resp: 227114

Ion Ratio Lower Upper

168 100

99 55.2 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

100000

80000

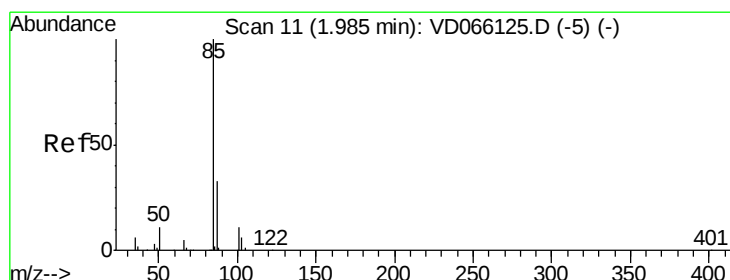
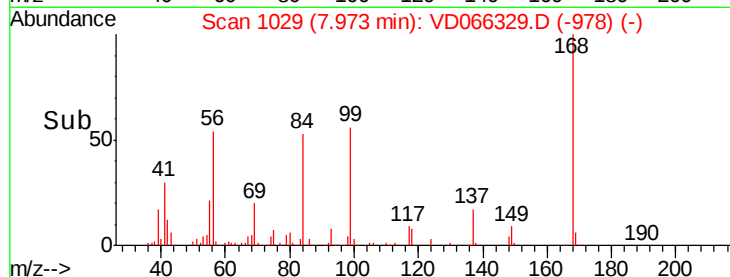
60000

40000

20000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 38.567 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066329.D

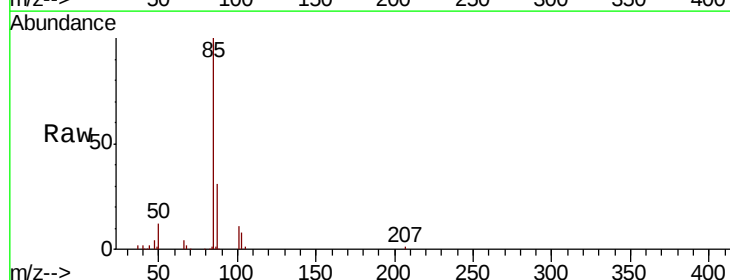
Acq: 19 Aug 2020 20:02

Tgt Ion: 85 Resp: 77170

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

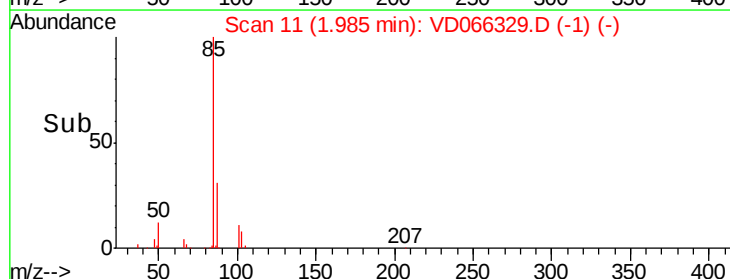
30000

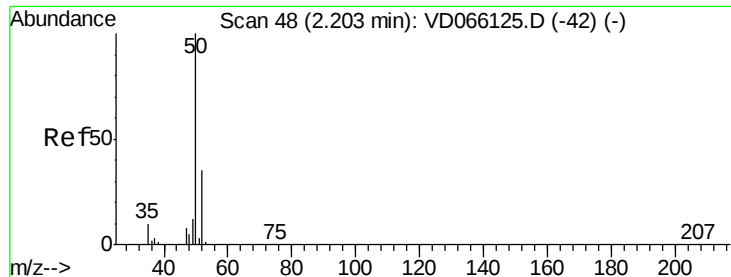
20000

10000

0

Time--> 1.90 1.95 2.00 2.05





#3

Chloromethane

Concen: 42.119 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

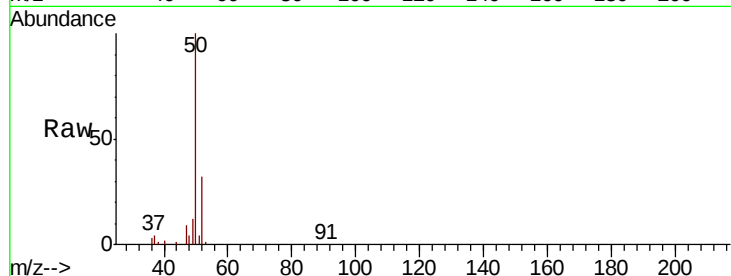
VSTDCCC050EC

Tot Ion: 50 Resp: 65560

Ion Ratio Lower Upper

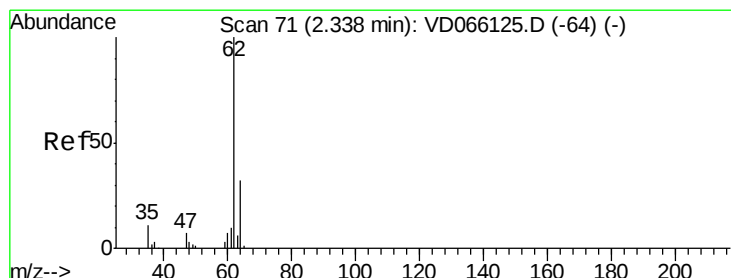
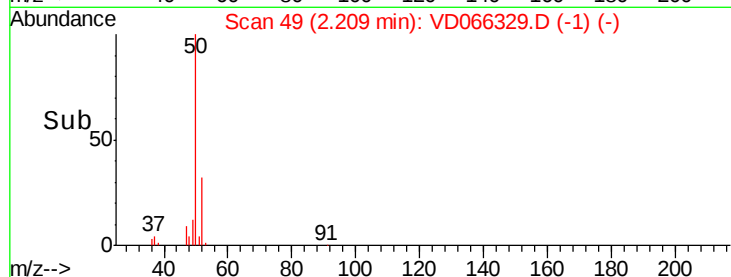
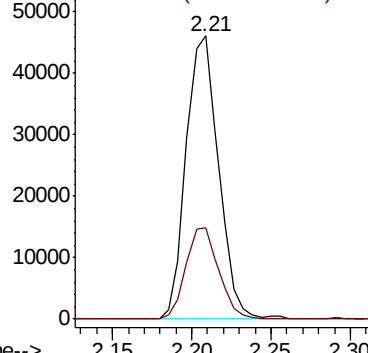
50 100

52 32.4 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.723 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066329.D

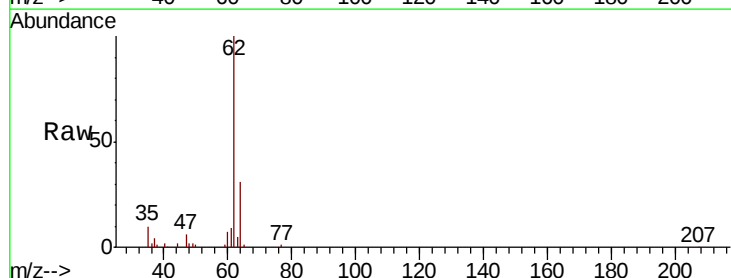
Acq: 19 Aug 2020 20:02

Tgt Ion: 62 Resp: 67142

Ion Ratio Lower Upper

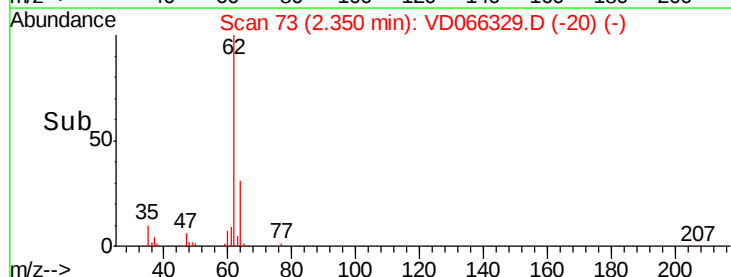
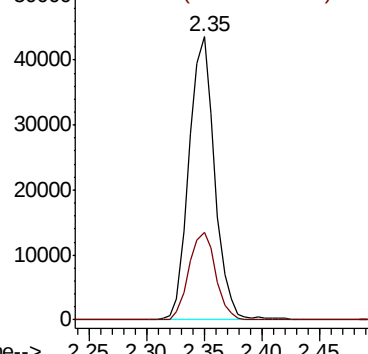
62 100

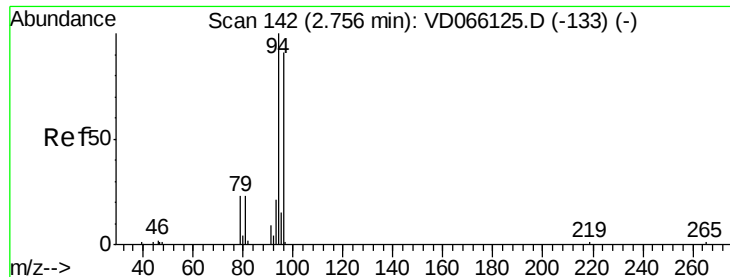
64 31.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.810 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

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ClientSampleId :

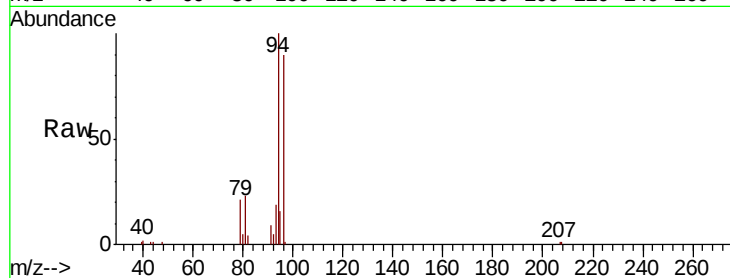
VSTDCCC050EC

Tot Ion: 94 Resp: 48282

Ion Ratio Lower Upper

94 100

96 89.8 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

20000

15000

10000

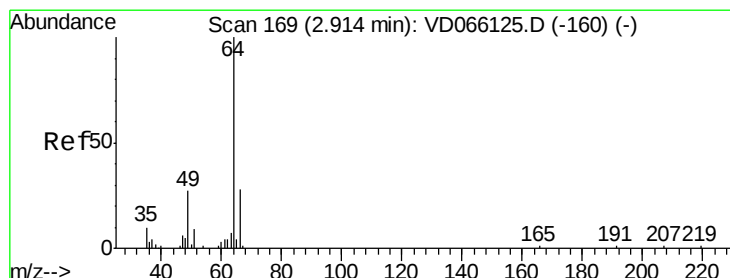
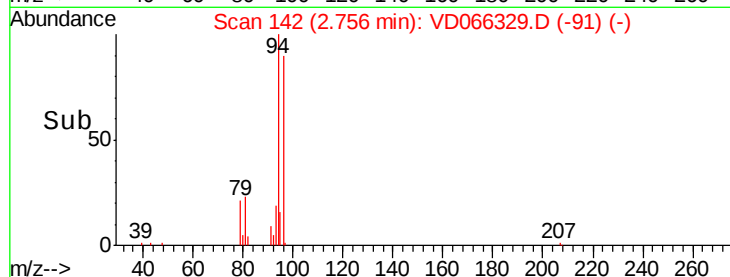
5000

0

Time-->

2.70

2.80



#6

Chloroethane

Concen: 51.118 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066329.D

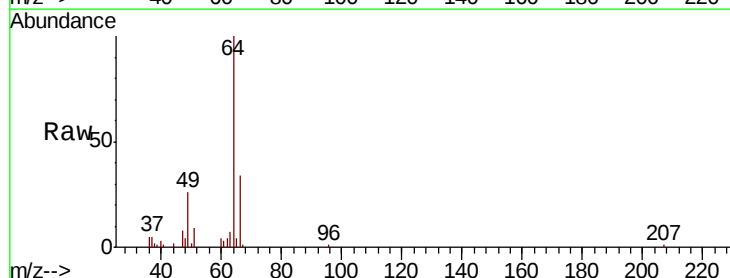
Acq: 19 Aug 2020 20:02

Tgt Ion: 64 Resp: 43240

Ion Ratio Lower Upper

64 100

66 34.0 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

20000

15000

10000

5000

0

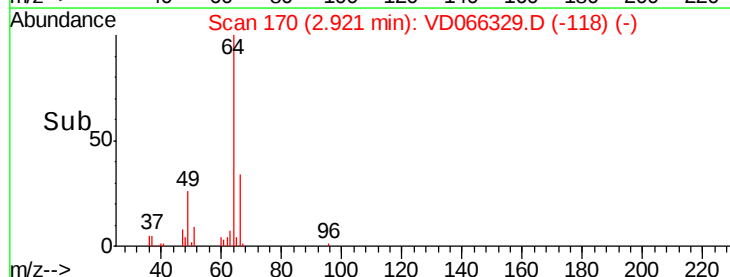
Time-->

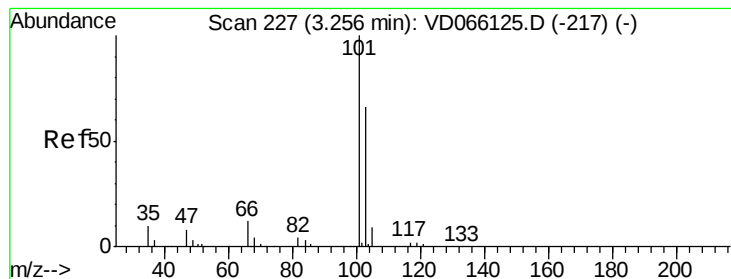
2.85

2.90

2.95

3.00



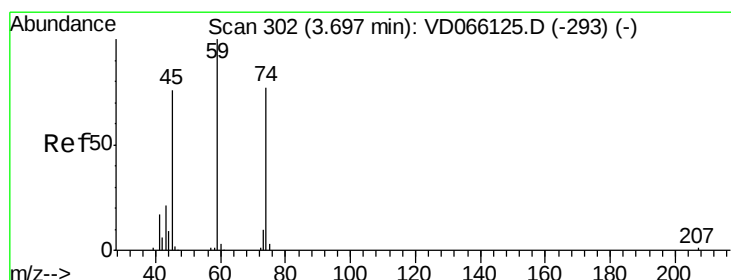
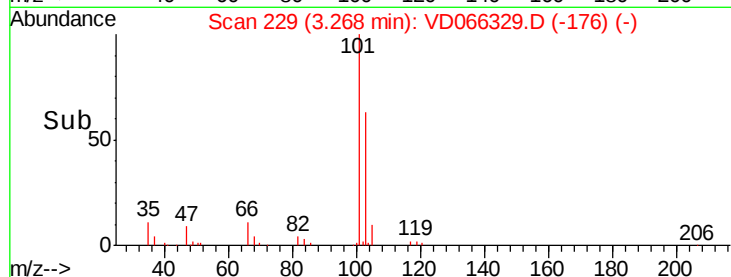
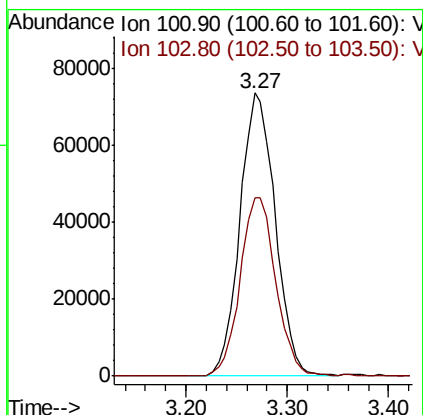
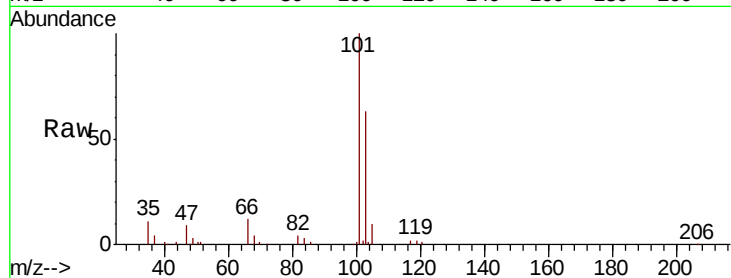


#7

Trichlorofluoromethane
Concen: 49.497 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
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VSTDCCC050EC

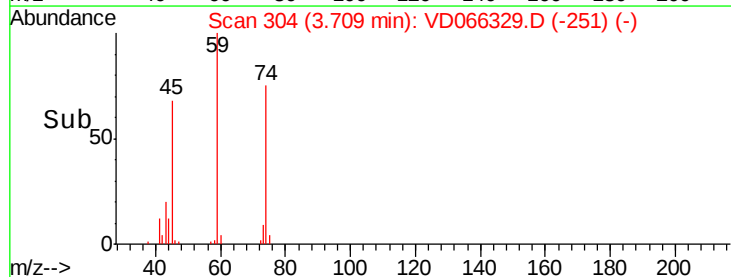
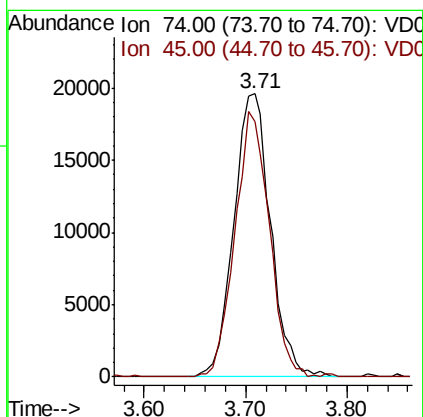
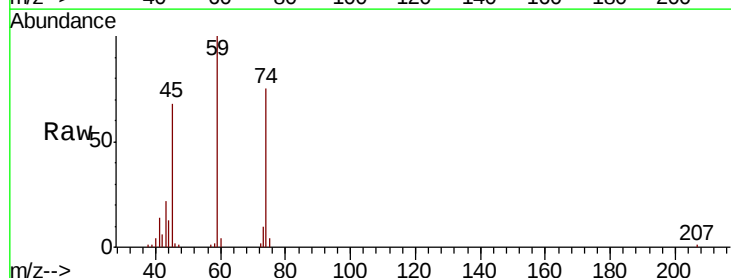
Tot Ion:101 Resp: 177826
Ion Ratio Lower Upper
101 100
103 63.0 53.0 79.6

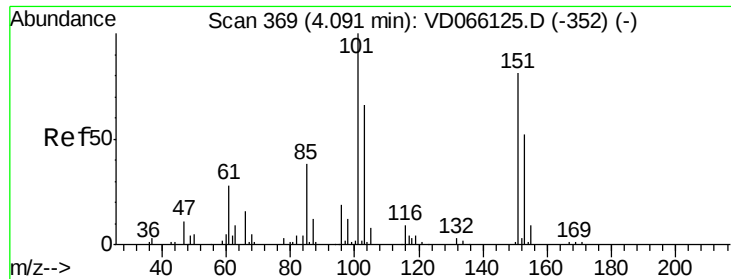


#8

Diethyl Ether
Concen: 48.486 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 74 Resp: 49151
Ion Ratio Lower Upper
74 100
45 87.7 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.842 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

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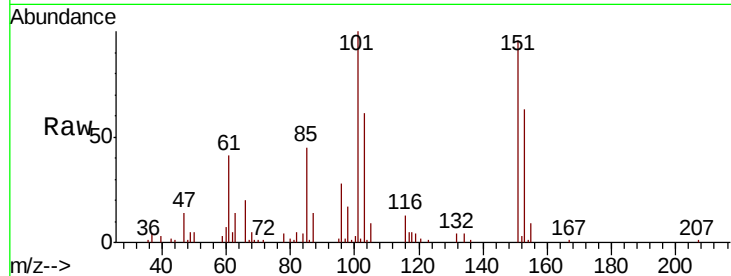
Tot Ion:101 Resp: 99872

Ion Ratio Lower Upper

101 100

85 44.5 33.5 50.3

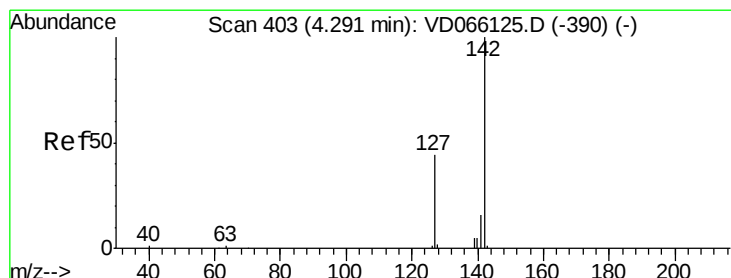
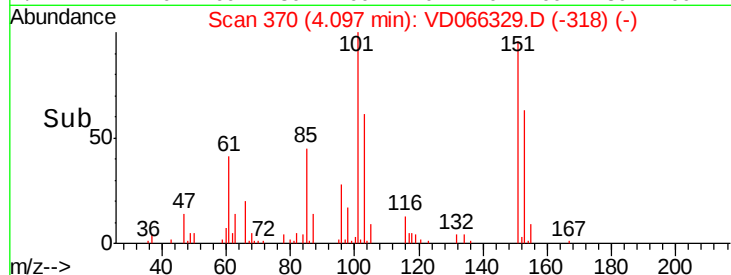
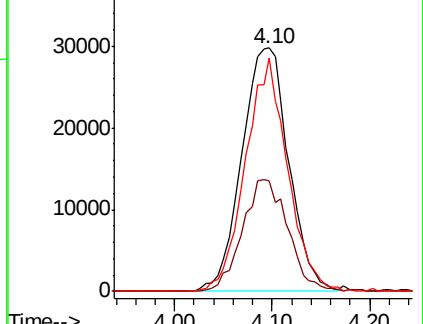
151 85.8 67.8 101.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.686 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

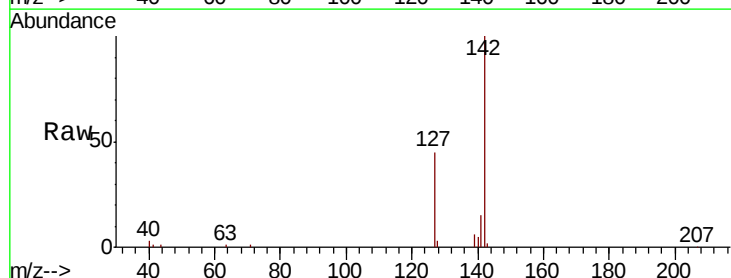
Tgt Ion:142 Resp: 105320

Ion Ratio Lower Upper

142 100

127 46.4 36.2 54.4

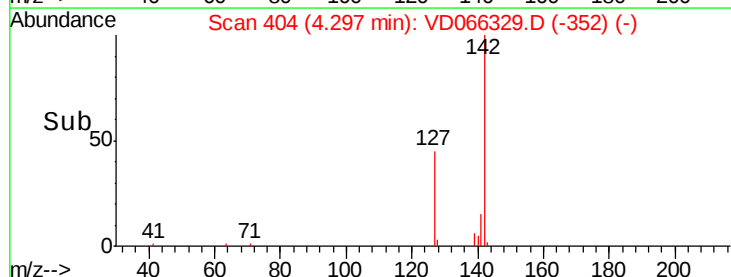
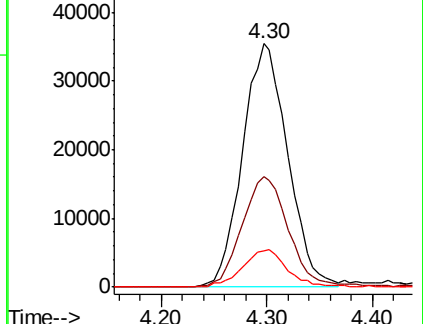
141 15.2 12.6 18.8

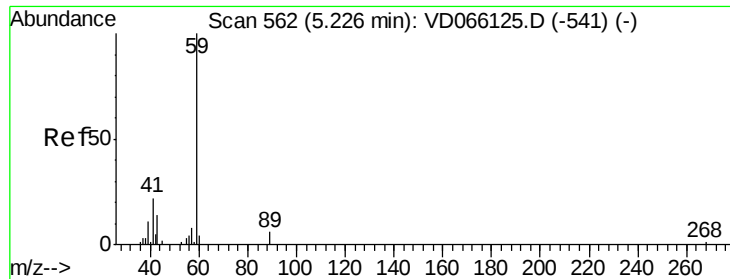


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

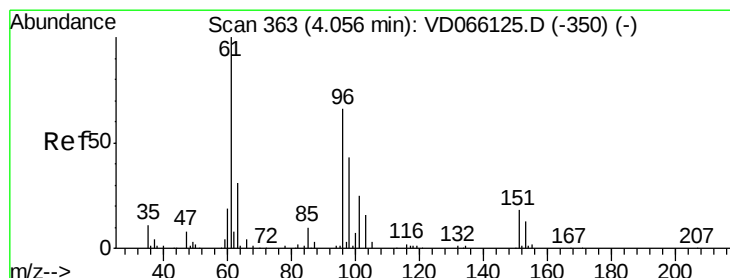
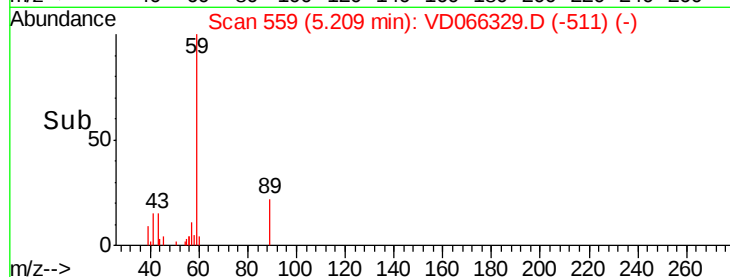
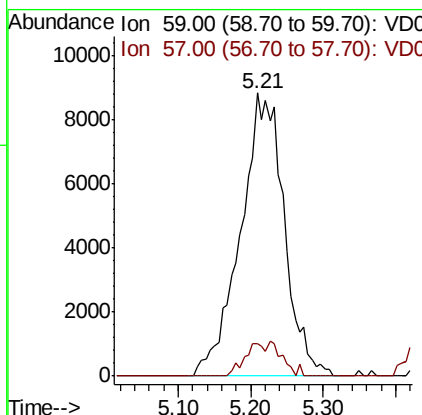
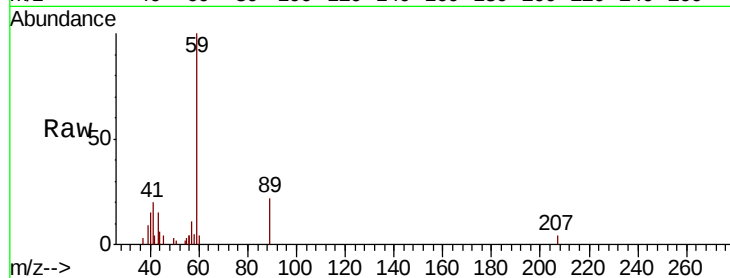




#11
Tert butyl alcohol
Concen: 243.119 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

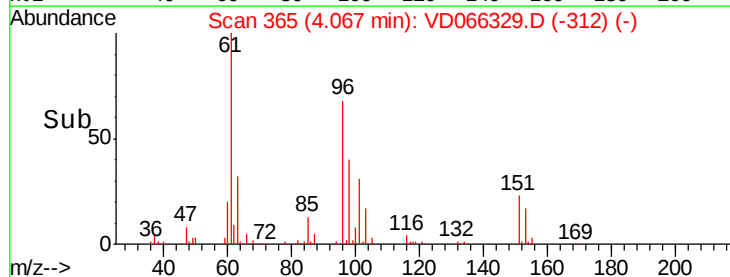
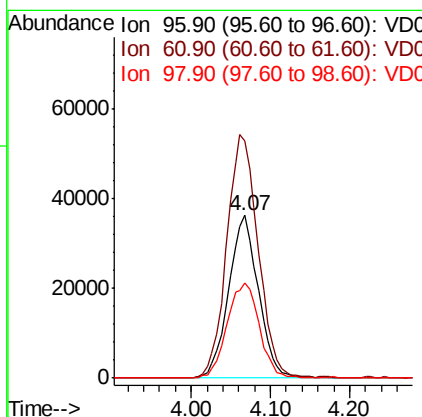
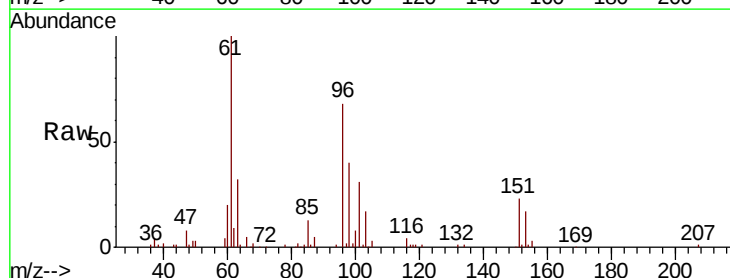
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

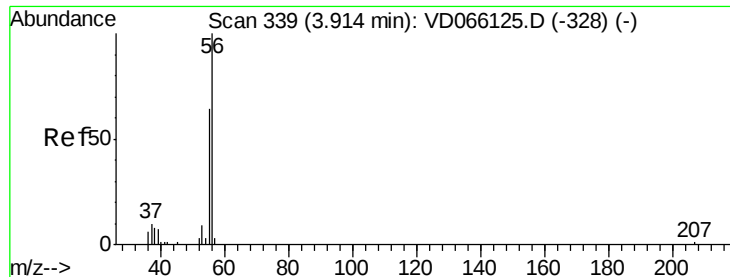
Tot Ion: 59 Resp: 36942
Ion Ratio Lower Upper
59 100
57 5.5 7.0 10.4#



#12
1,1-Dichloroethene
Concen: 46.829 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 96 Resp: 94190
Ion Ratio Lower Upper
96 100
61 146.4 121.6 182.4
98 58.3 52.0 78.0





#13

Acrolein

Concen: 195.832 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

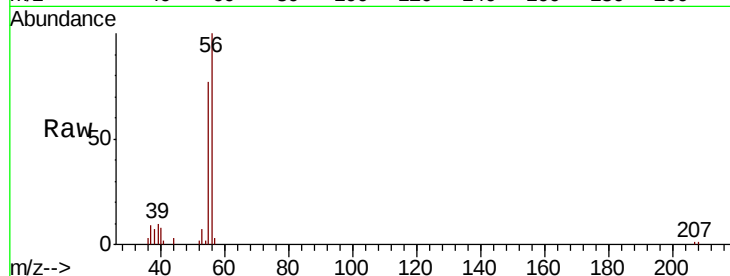
VSTDCCC050EC

Tot Ion: 56 Resp: 31584

Ion Ratio Lower Upper

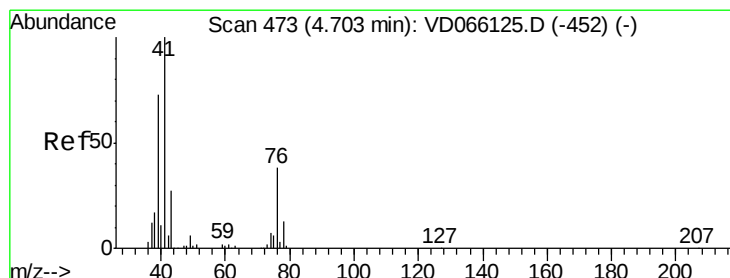
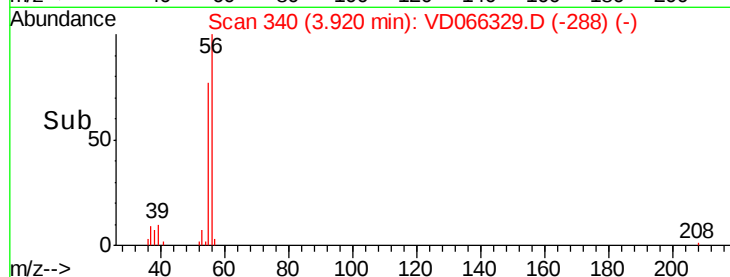
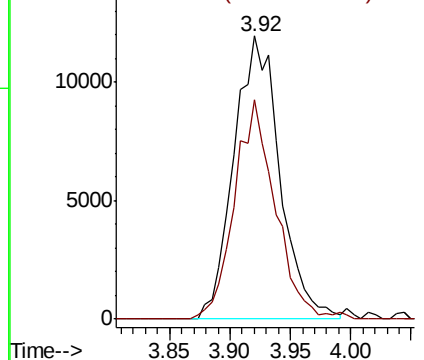
56 100

55 69.2 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.078 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

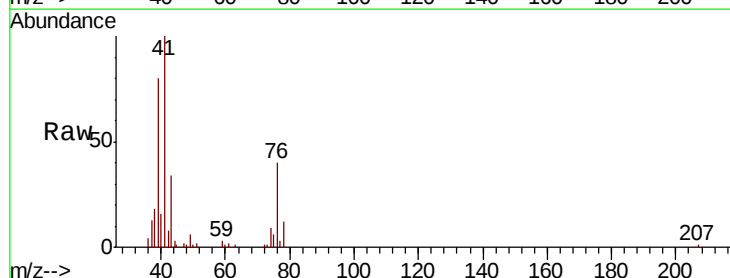
Tgt Ion: 41 Resp: 143453

Ion Ratio Lower Upper

41 100

39 78.4 57.4 86.0

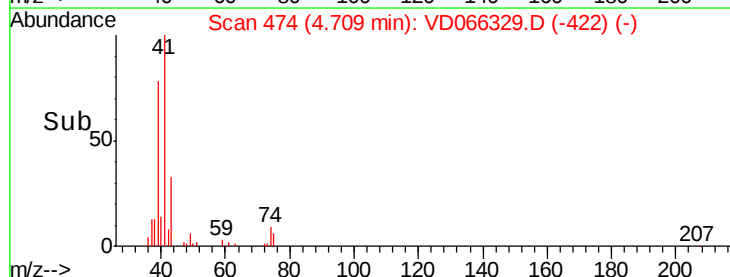
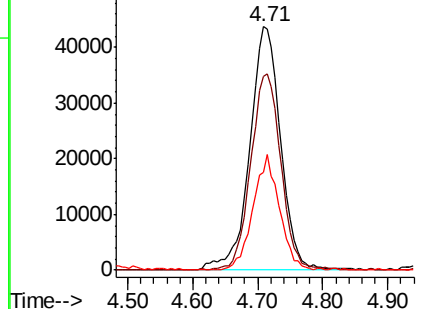
76 40.5 30.1 45.1

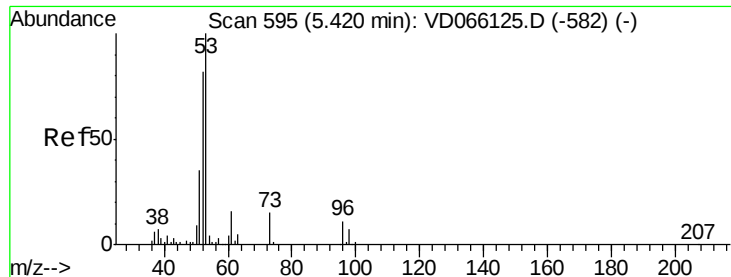


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 252.594 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

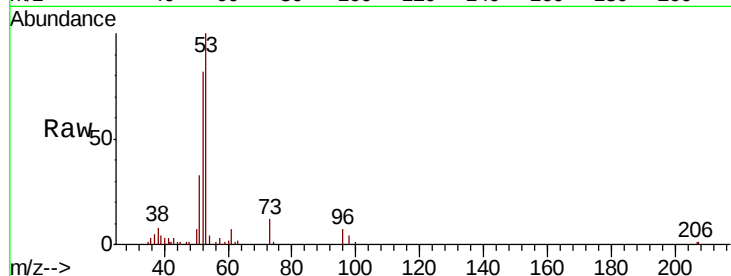
Tot Ion: 53 Resp: 107901

Ion Ratio Lower Upper

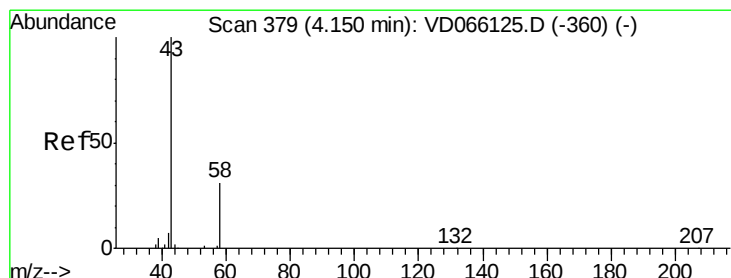
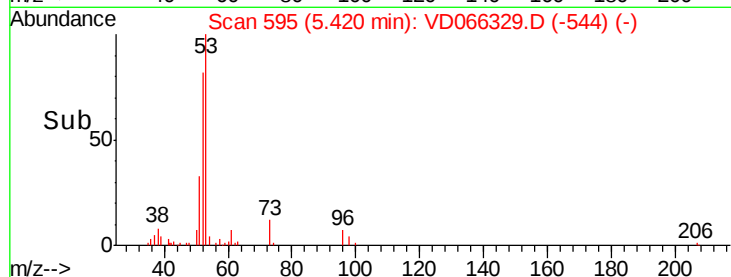
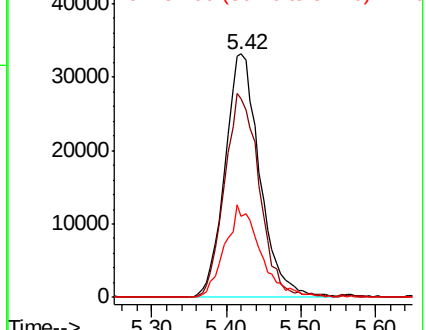
53 100

52 83.5 66.1 99.1

51 38.3 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 228.356 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066329.D

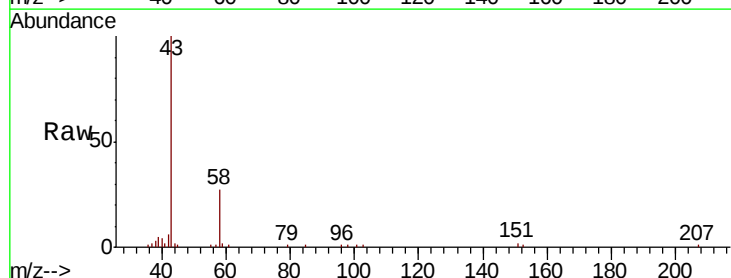
Acq: 19 Aug 2020 20:02

Tgt Ion: 43 Resp: 87793

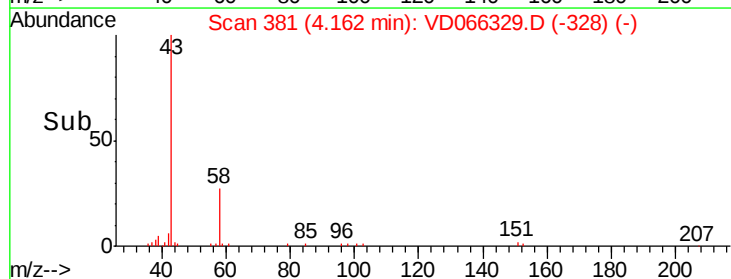
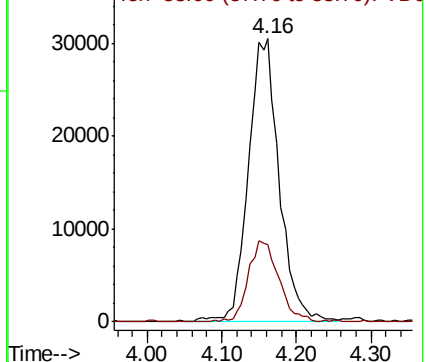
Ion Ratio Lower Upper

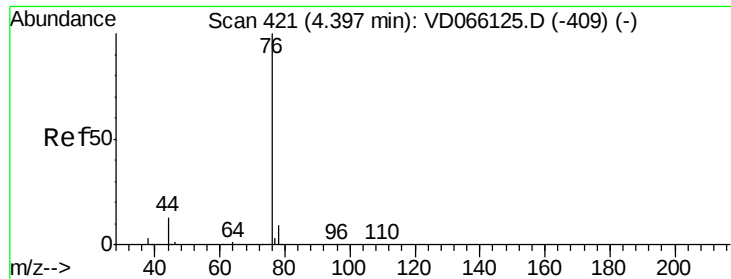
43 100

58 27.5 24.7 37.1



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

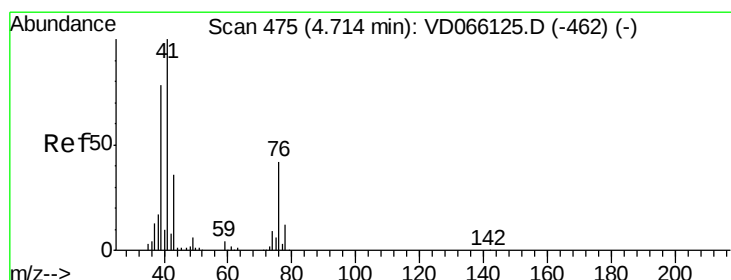
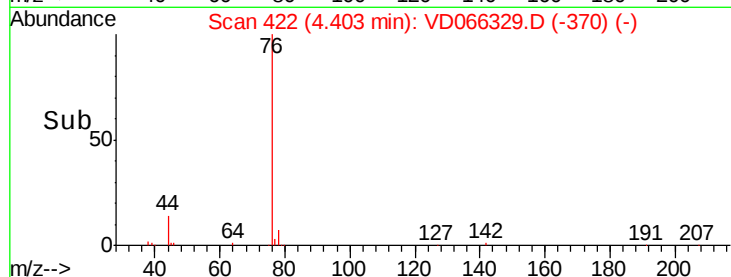
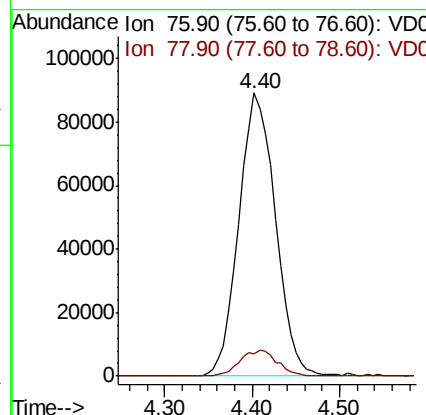
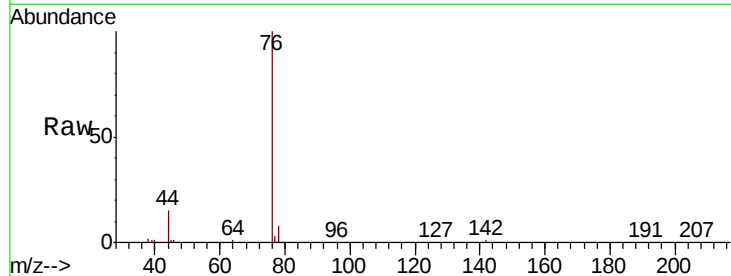




#17
Carbon Disulfide
Concen: 39.641 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

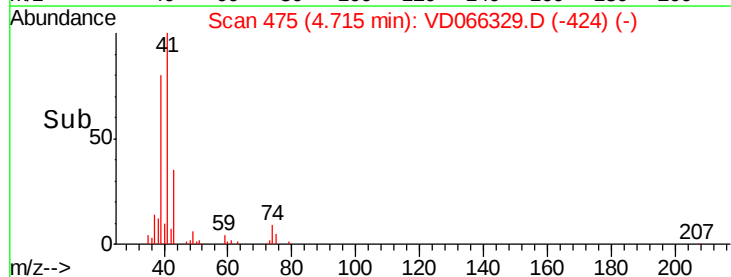
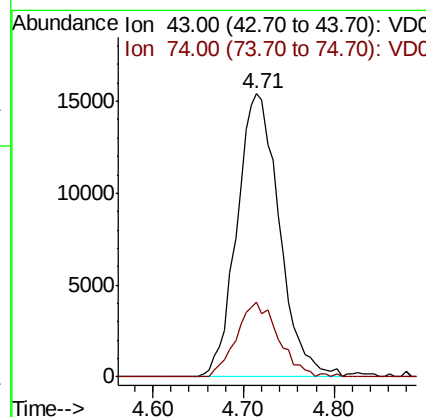
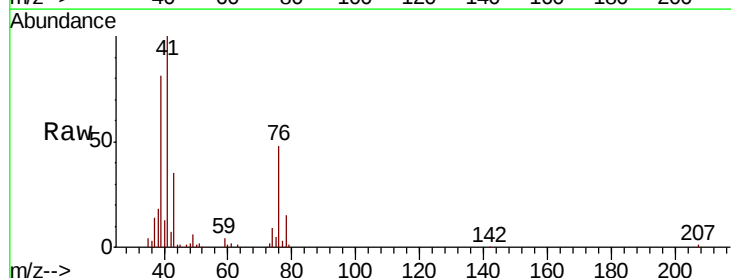
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

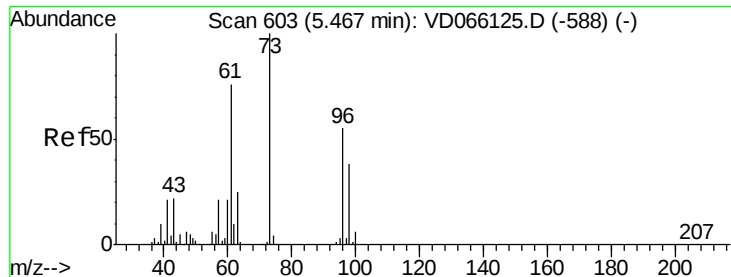
Tot Ion: 76 Resp: 253509
Ion Ratio Lower Upper
76 100
78 8.0 7.5 11.3



#18
Methyl Acetate
Concen: 51.152 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 43 Resp: 49952
Ion Ratio Lower Upper
43 100
74 25.8 21.2 31.8

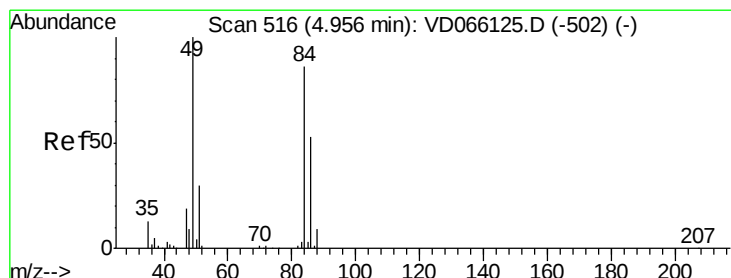
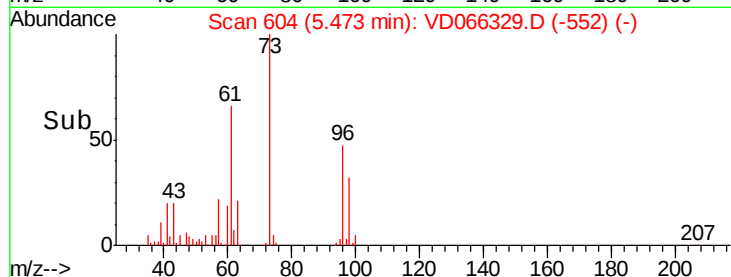
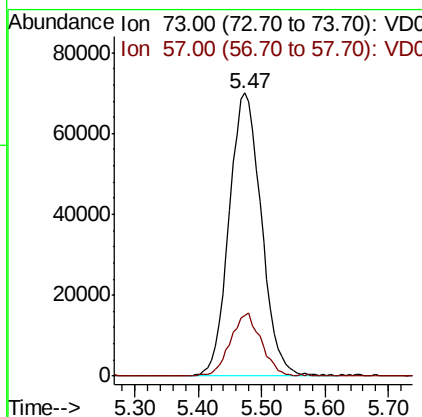
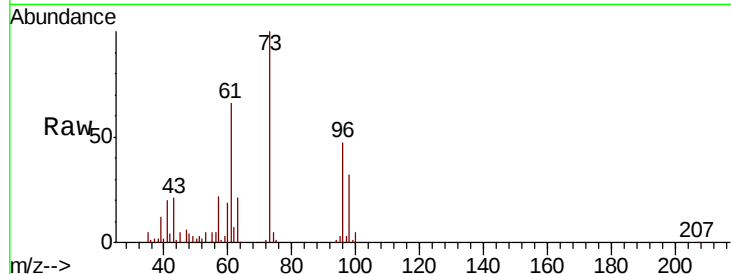




#19
Methvl tert-butvl Ether
Concen: 53.619 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

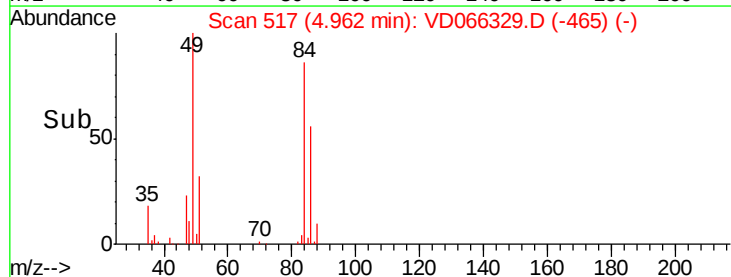
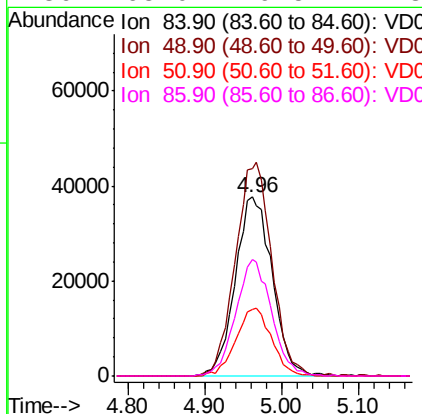
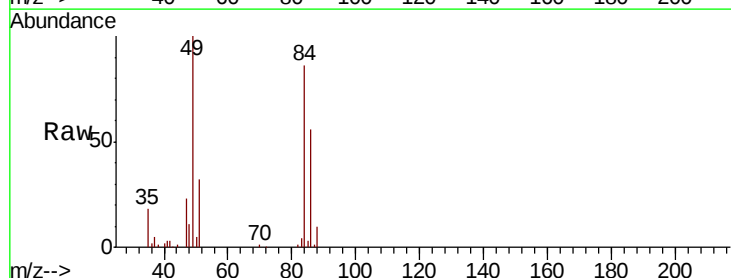
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

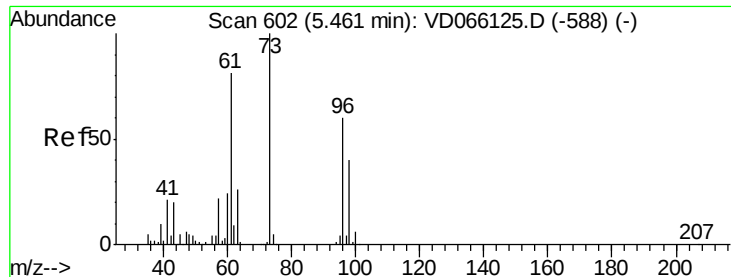
Tot Ion: 73 Resp: 247190
Ion Ratio Lower Upper
73 100
57 21.6 17.1 25.7



#20
Methylene Chloride
Concen: 57.970 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 84 Resp: 126350
Ion Ratio Lower Upper
84 100
49 116.1 93.5 140.3
51 37.4 28.2 42.4
86 65.0 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 46.195 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

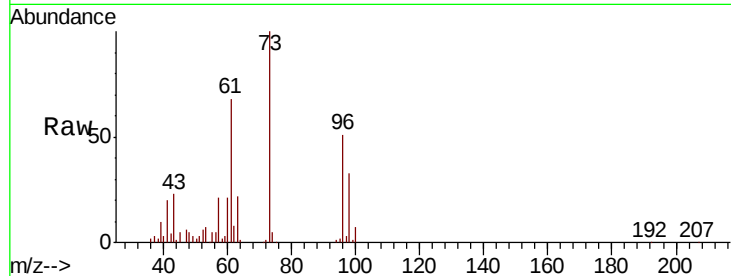
Tot Ion: 96 Resp: 106736

Ion Ratio Lower Upper

96 100

61 134.2 106.9 160.3

98 64.5 53.4 80.0

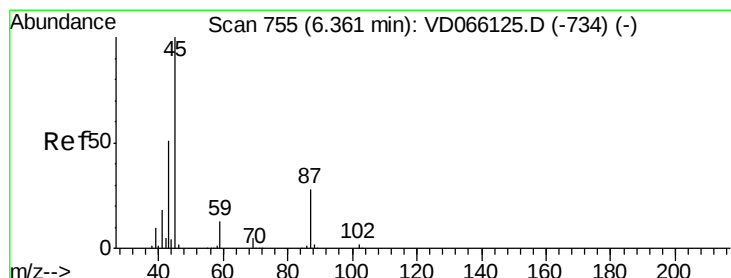
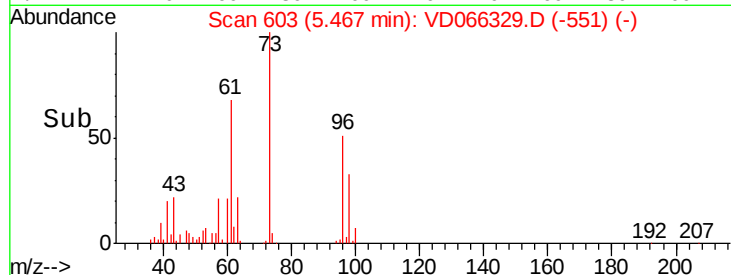
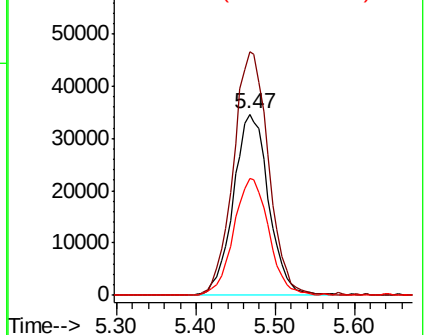


Abundance

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: 48.469 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Tgt Ion: 45 Resp: 292064

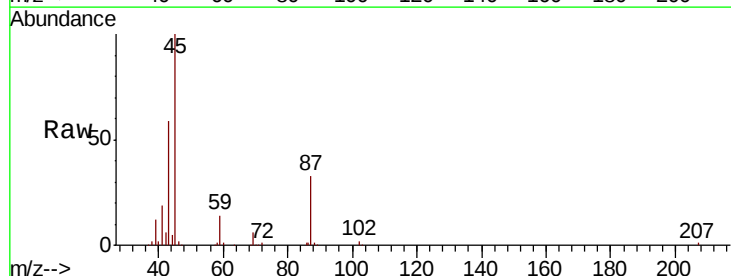
Ion Ratio Lower Upper

45 100

43 58.4 41.2 61.8

87 33.1 22.8 34.2

59 13.8 10.2 15.2



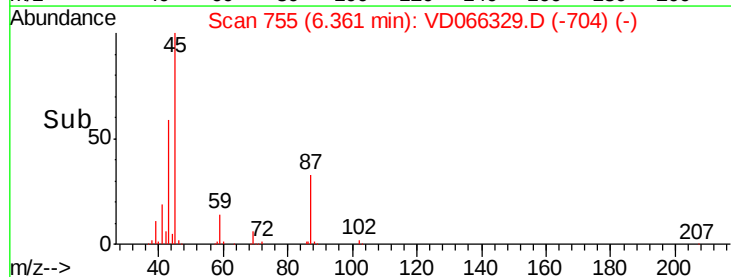
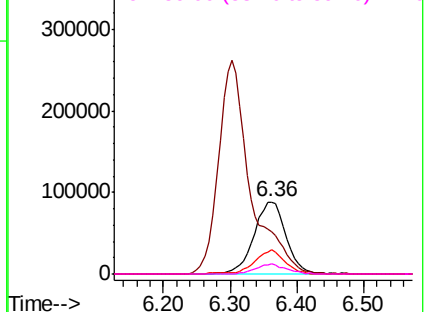
Abundance

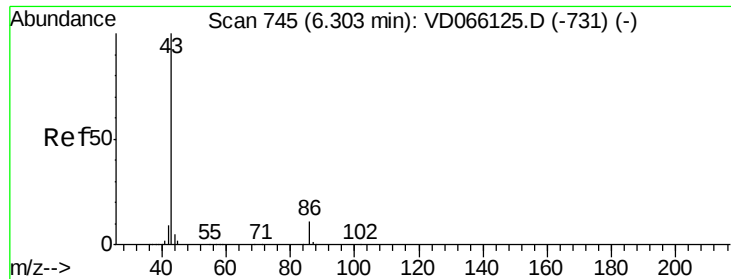
Ion 45.00 (44.70 to 45.70): VDC

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: 248.084 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

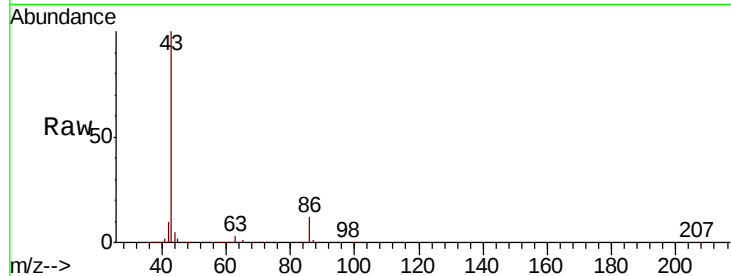
VSTDCCC050EC

Tot Ion: 43 Resp: 875769

Ion Ratio Lower Upper

43 100

86 11.6 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250000

200000

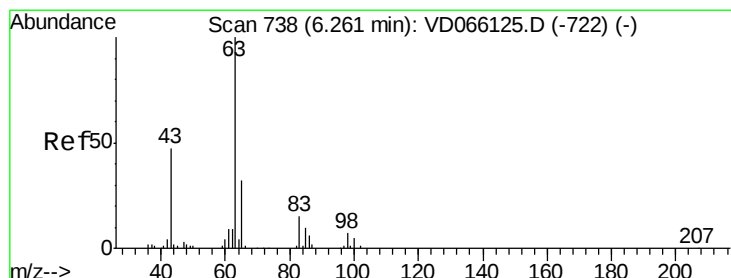
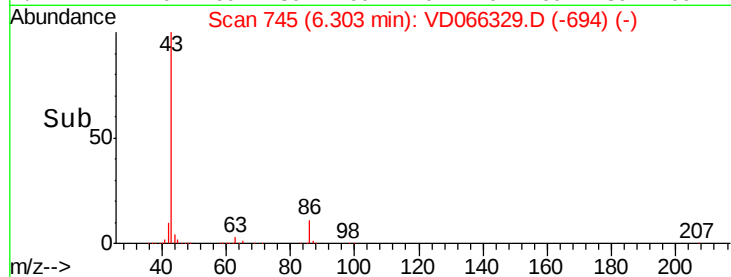
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.257 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

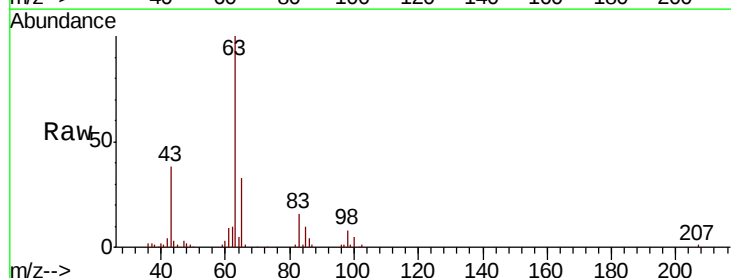
Tgt Ion: 63 Resp: 187415

Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.5

100 5.0 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

6.26

80000

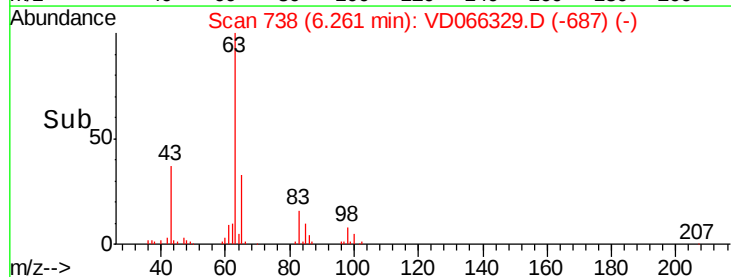
60000

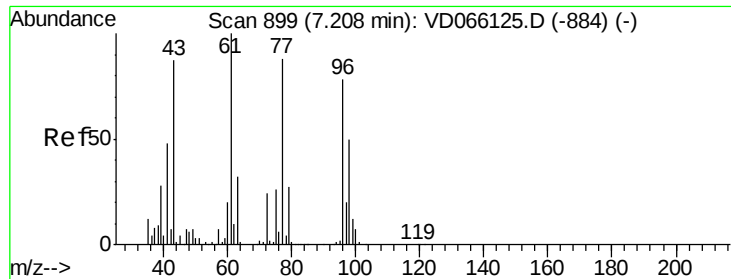
40000

20000

0

Time-->





#25

2-Butanone

Concen: 225.763 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

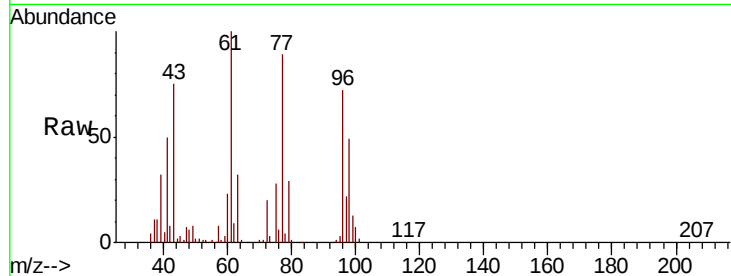
VSTDCCC050EC

Tot Ion: 43 Resp: 127661

Ion Ratio Lower Upper

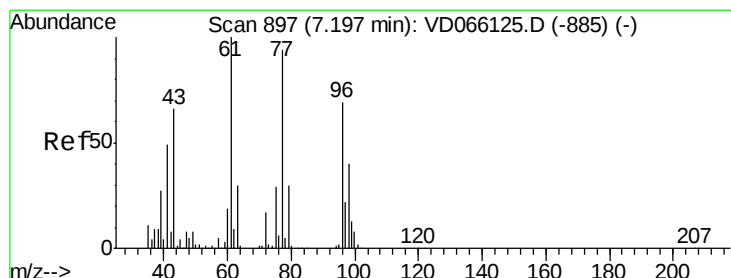
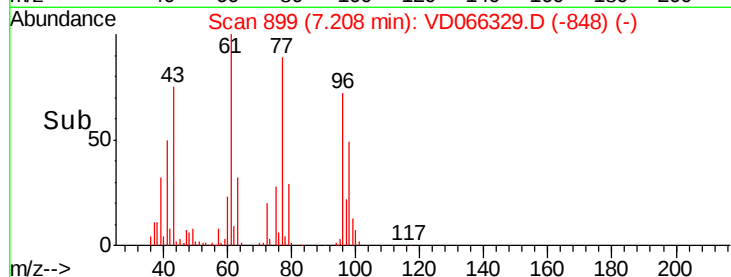
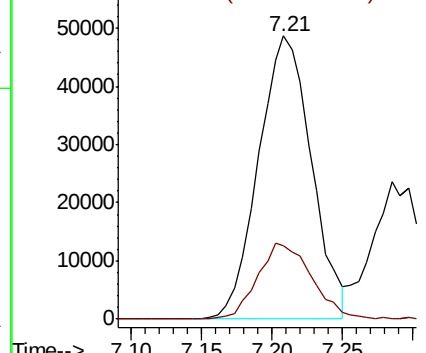
43 100

72 26.2 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.201 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066329.D

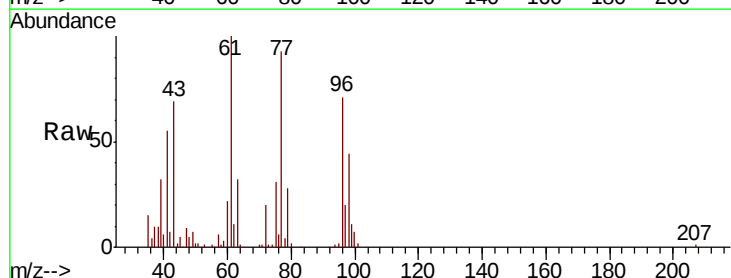
Acq: 19 Aug 2020 20:02

Tgt Ion: 77 Resp: 174471

Ion Ratio Lower Upper

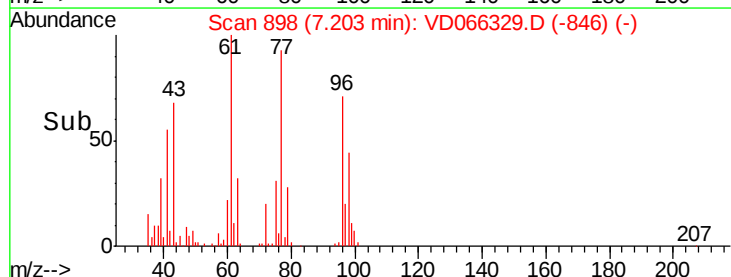
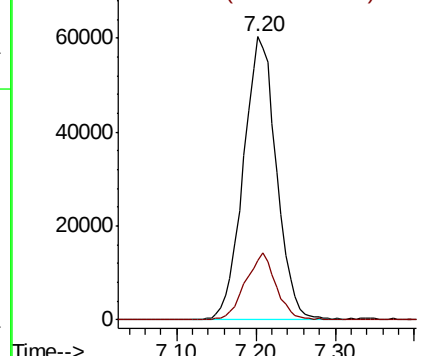
77 100

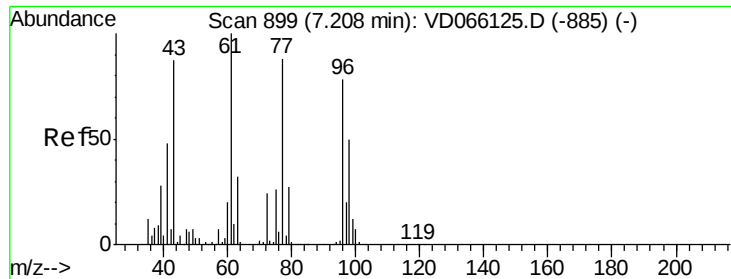
97 21.9 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 51.769 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

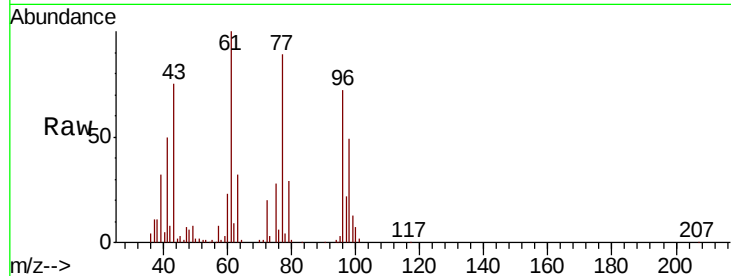
Tot Ion: 96 Resp: 125463

Ion Ratio Lower Upper

96 100

61 138.8 0.0 281.6

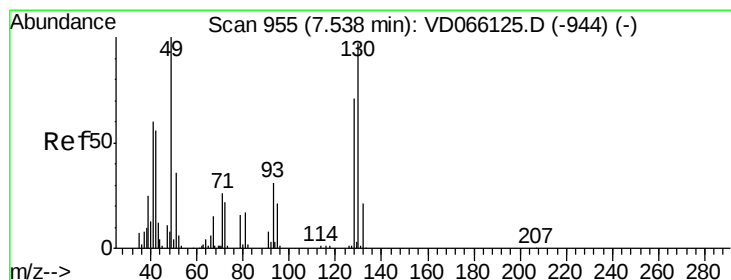
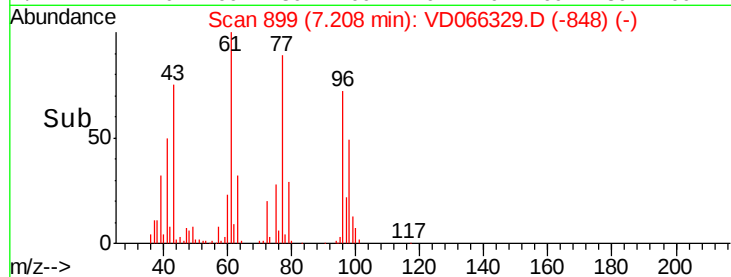
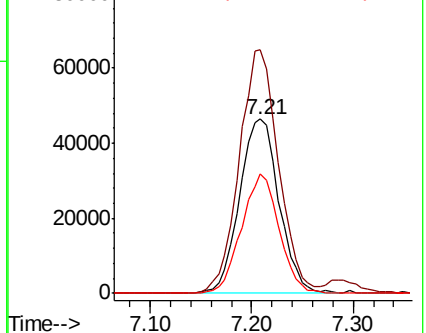
98 65.7 0.0 130.8



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: 51.259 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

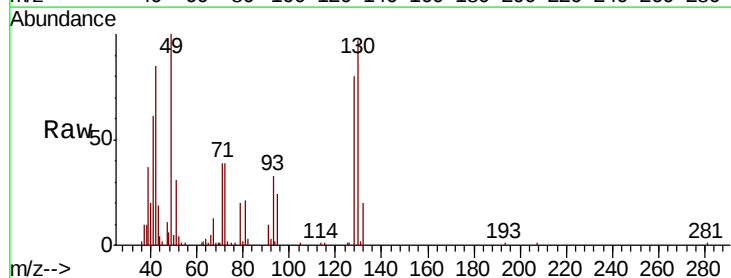
Tgt Ion: 49 Resp: 67137

Ion Ratio Lower Upper

49 100

129 1.2 0.0 6.0

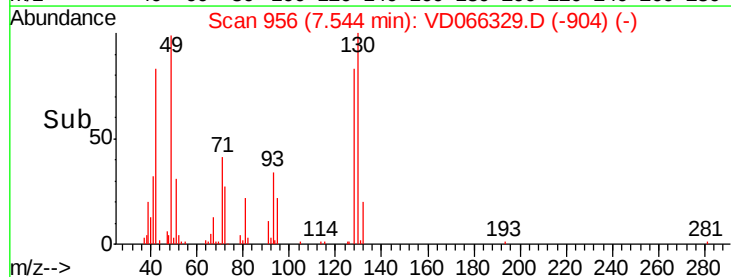
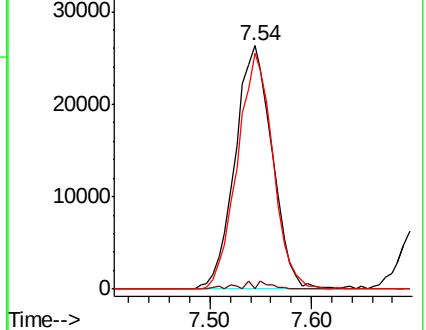
130 92.4 73.8 110.6

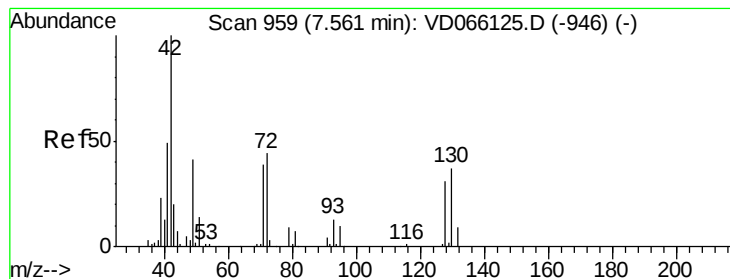


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 238.461 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

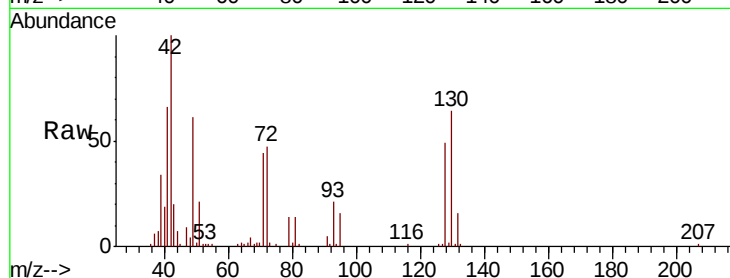
Tot Ion: 42 Resp: 83543

Ion Ratio Lower Upper

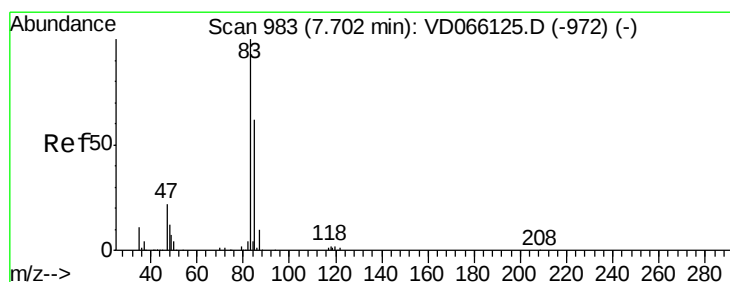
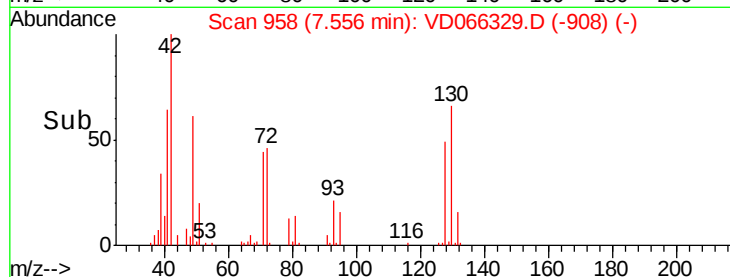
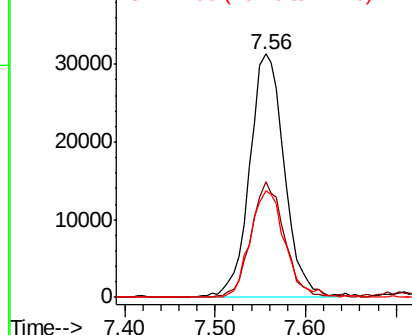
42 100

72 45.6 34.8 52.2

71 43.9 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: 53.946 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066329.D

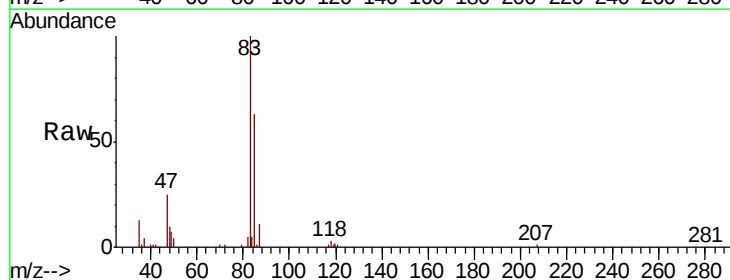
Acq: 19 Aug 2020 20:02

Tgt Ion: 83 Resp: 211235

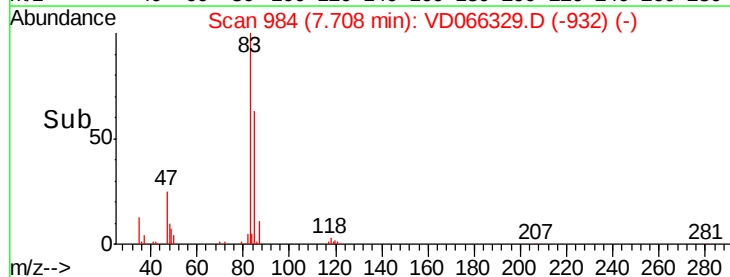
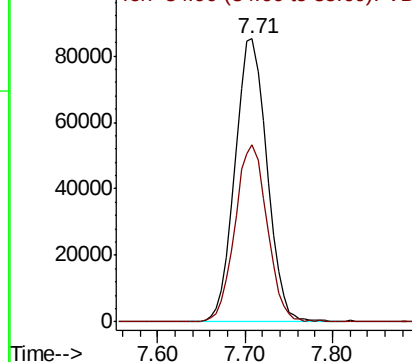
Ion Ratio Lower Upper

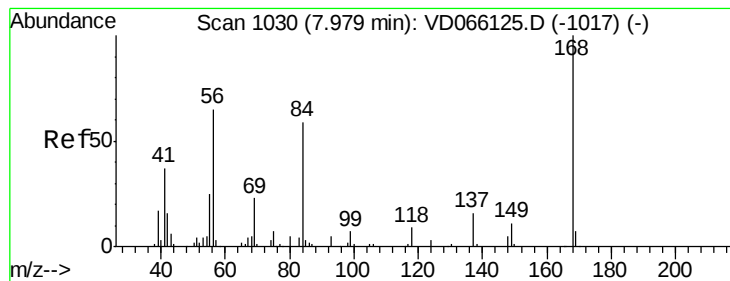
83 100

85 62.5 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: 41.038 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

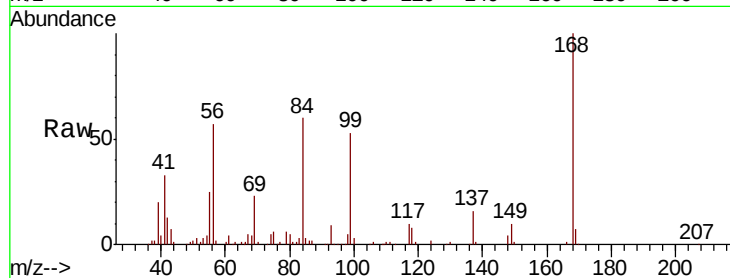
Tot Ion: 56 Resp: 145677

Ion Ratio Lower Upper

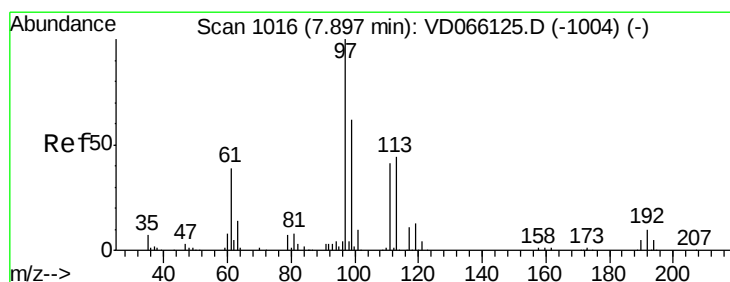
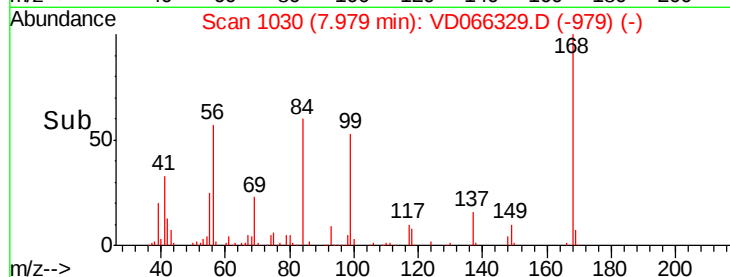
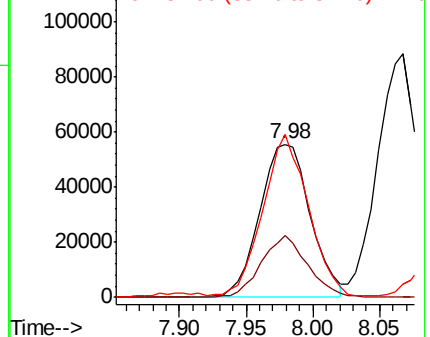
56 100

69 40.6 28.8 43.2

84 104.1 73.0 109.6



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



#32

1,1,1-Trichloroethane

Concen: 54.688 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

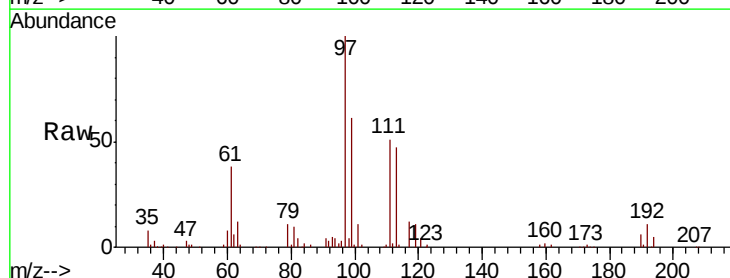
Tgt Ion: 97 Resp: 200783

Ion Ratio Lower Upper

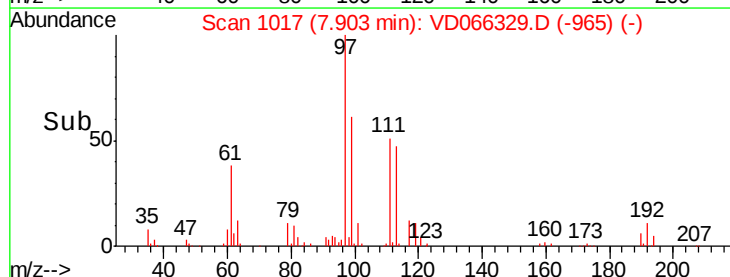
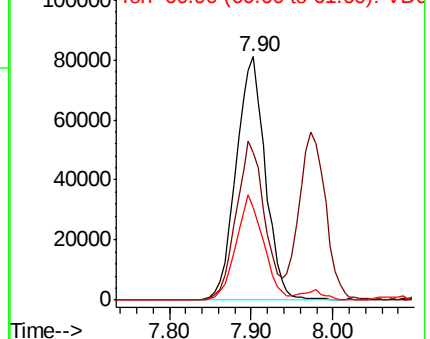
97 100

99 63.8 51.1 76.7

61 40.9 32.7 49.1



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





#33

1,2-Dichloroethane-d4

Concen: 56.937 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

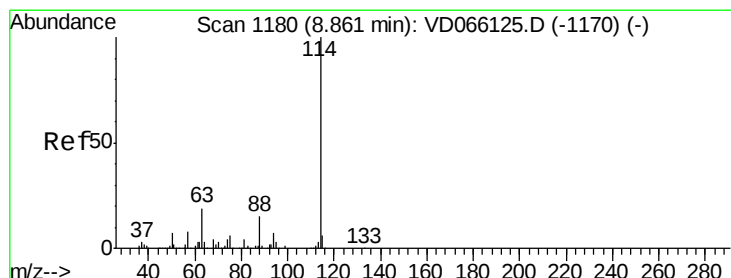
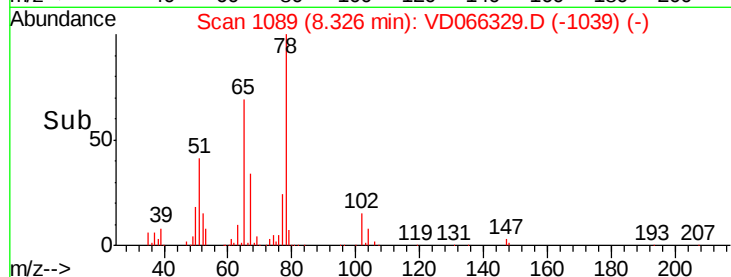
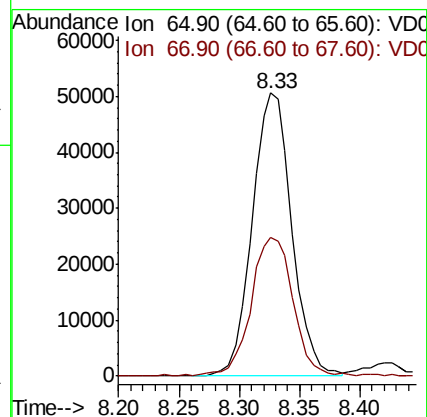
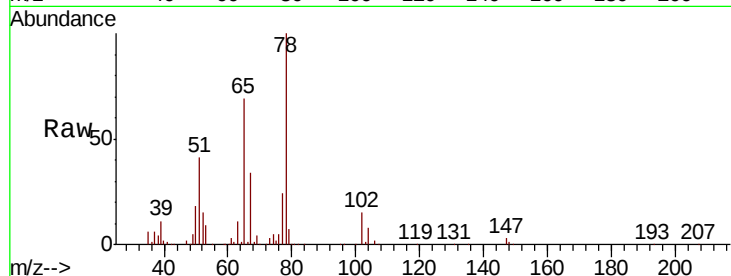
VSTDCCC050EC

Tot Ion: 65 Resp: 115366

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

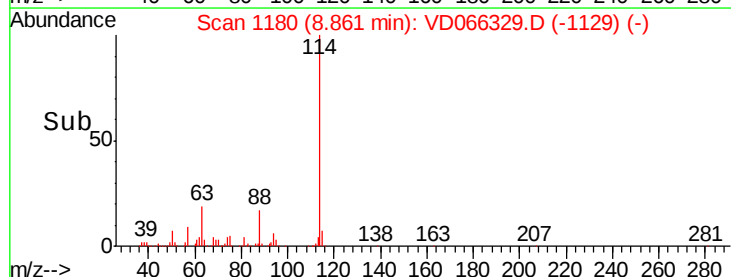
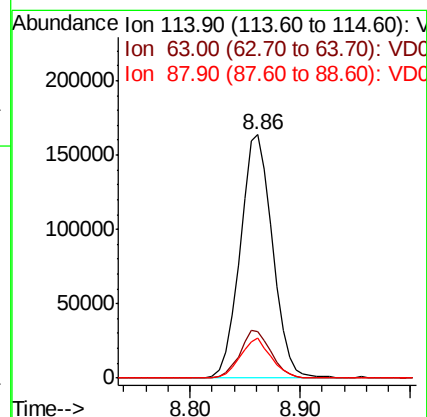
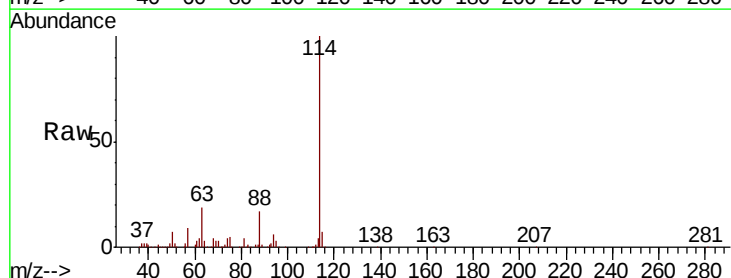
Tgt Ion: 114 Resp: 336701

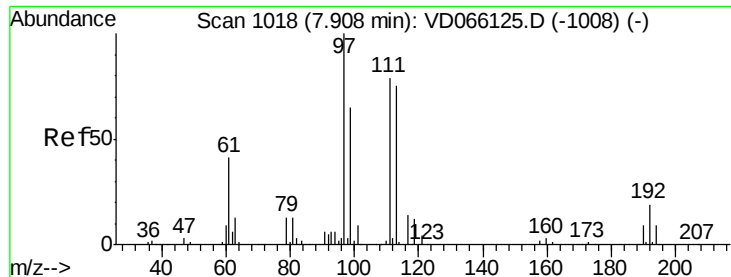
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

88 16.6 0.0 30.0

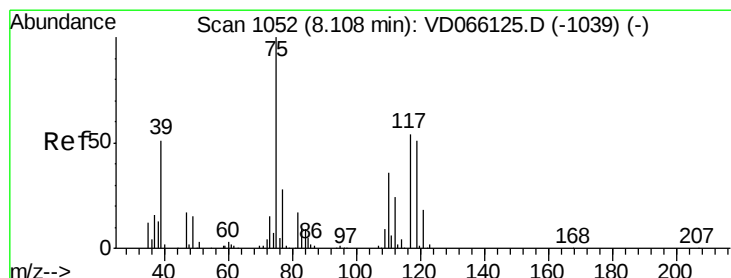
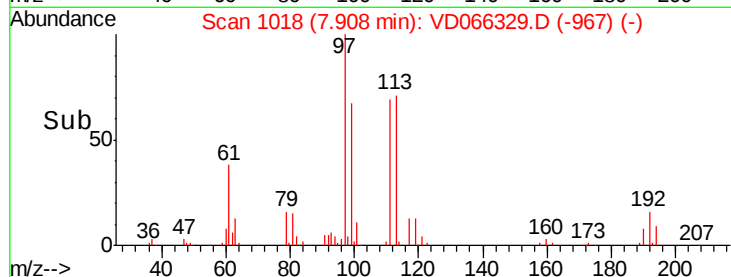
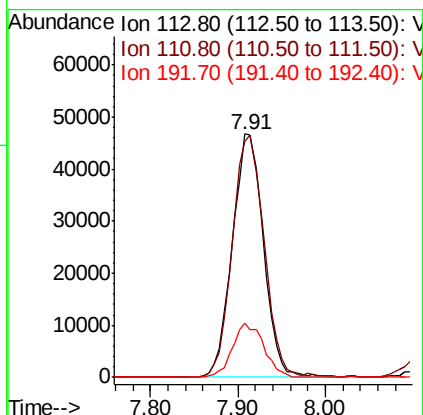
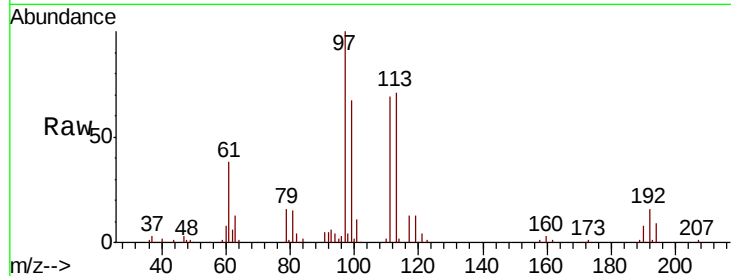




#35
Dibromofluoromethane
Concen: 52.798 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

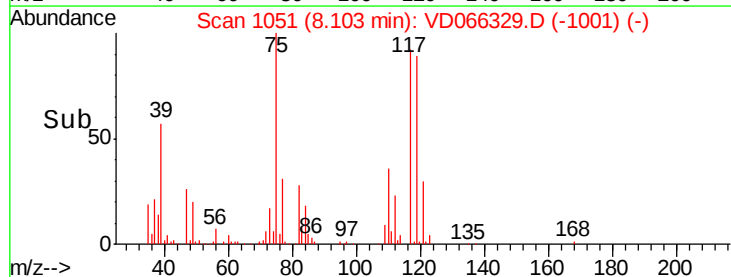
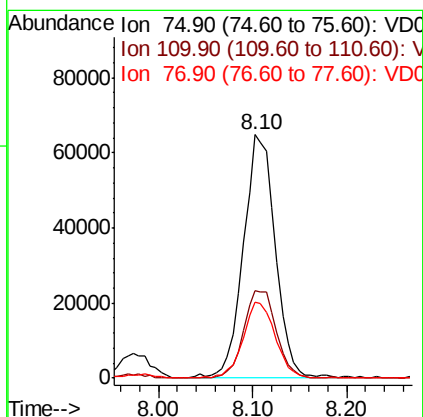
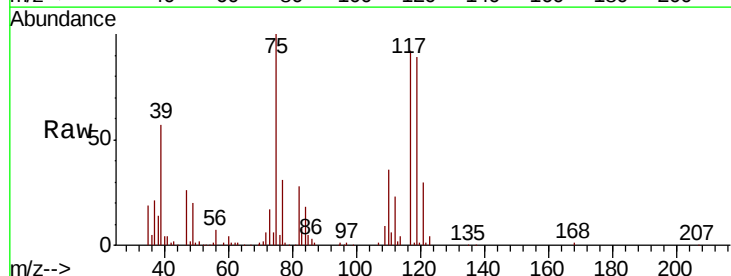
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

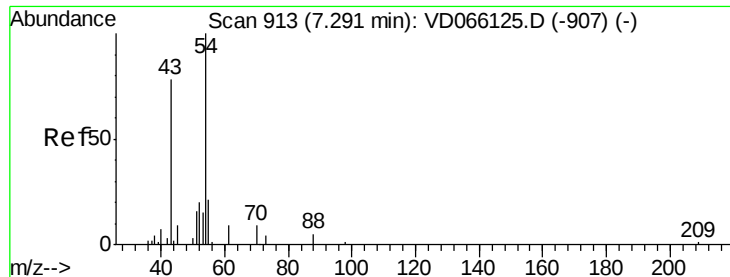
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.7	121.1
192	22.5	18.4	27.6



#36
1,1-Dichloropropene
Concen: 48.332 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.8	56.3
77	31.6	24.2	36.2

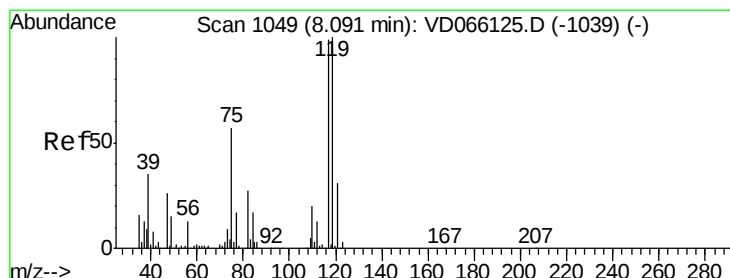
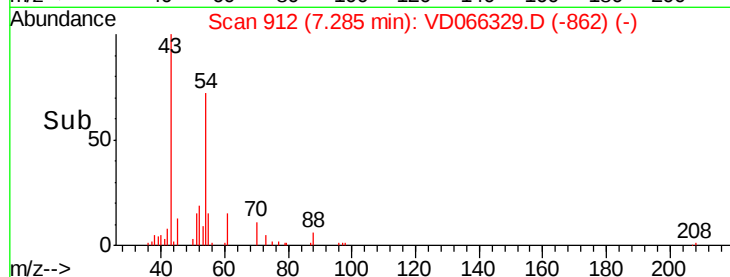
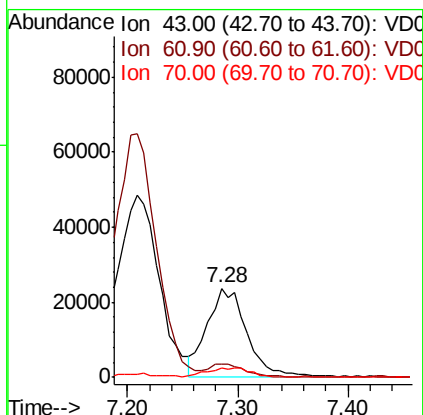
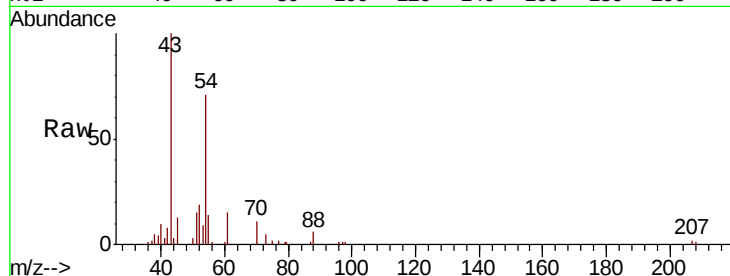




#37
Ethyl Acetate
Concen: 46.781 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

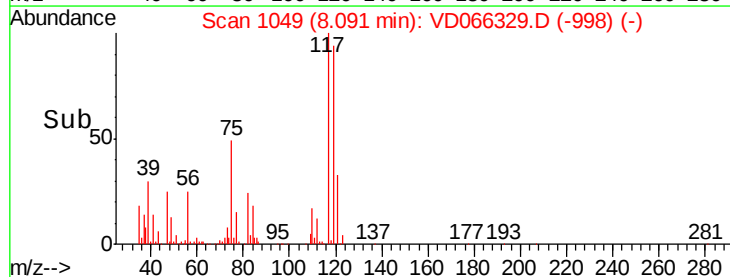
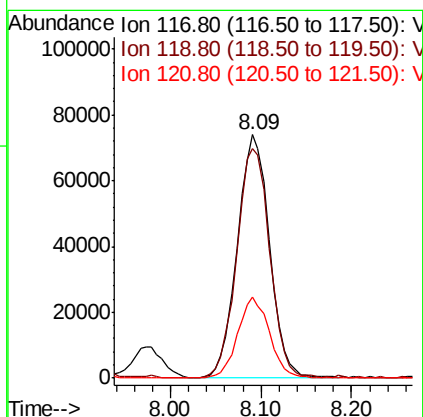
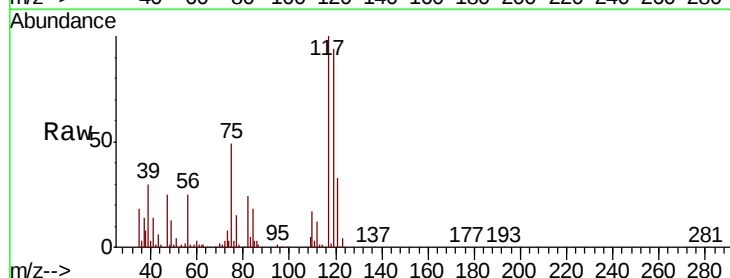
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

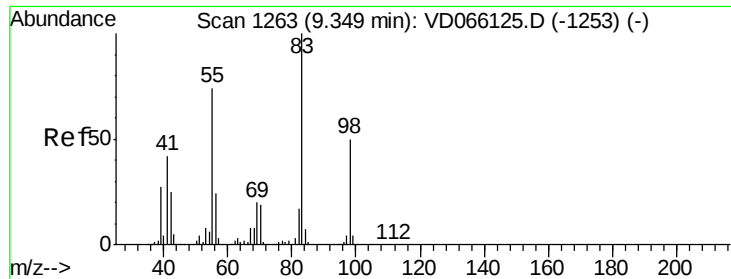
Tot Ion: 43 Resp: 58645
Ion Ratio Lower Upper
43 100
61 14.0 12.0 18.0
70 11.5 9.7 14.5



#38
Carbon Tetrachloride
Concen: 51.934 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 117 Resp: 183238
Ion Ratio Lower Upper
117 100
119 94.0 81.0 121.4
121 33.4 24.8 37.2

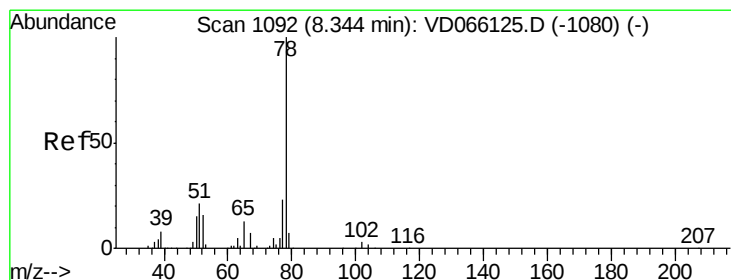
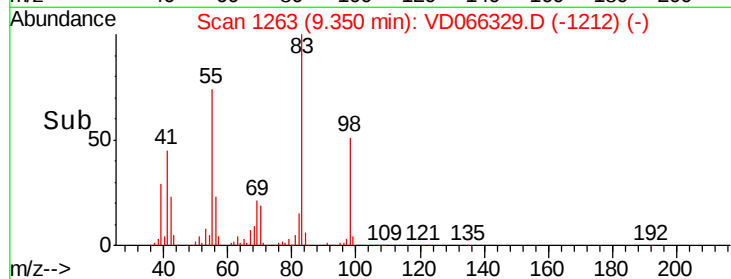
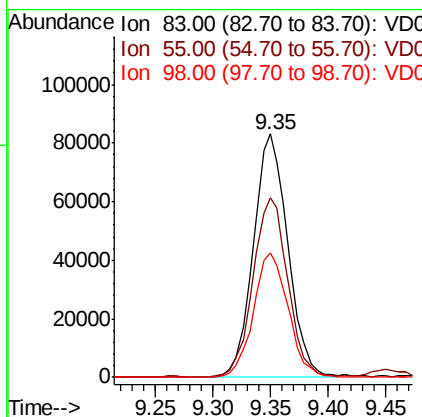
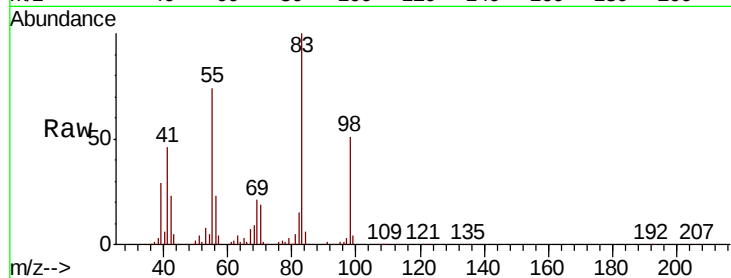




#39
Methvlcvclohexane
Concen: 45.118 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

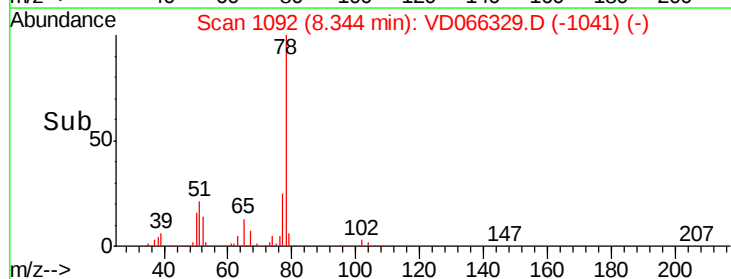
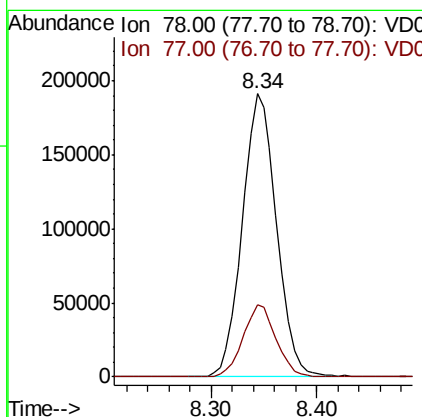
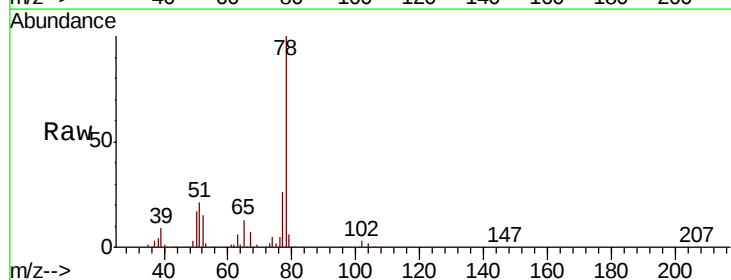
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

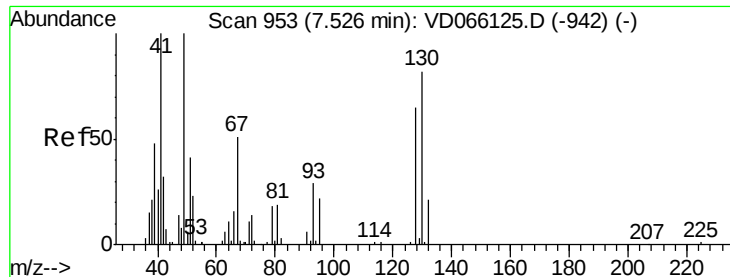
Tot Ion: 83 Resp: 172564
Ion Ratio Lower Upper
83 100
55 73.8 59.2 88.8
98 51.4 39.8 59.6



#40
Benzene
Concen: 48.755 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 78 Resp: 427924
Ion Ratio Lower Upper
78 100
77 25.5 18.6 27.8





#41

Methacrylonitrile

Concen: 116.893 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.03 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 86160

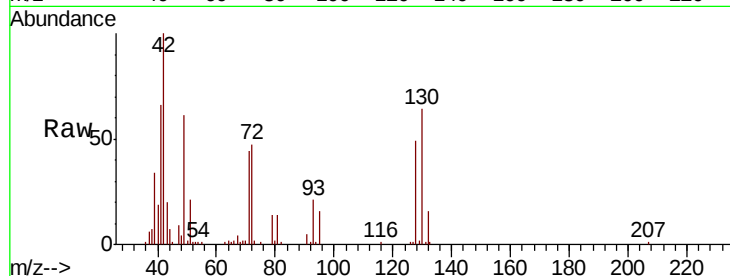
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 59.1 88.7#

52 0.0 25.4 38.0#

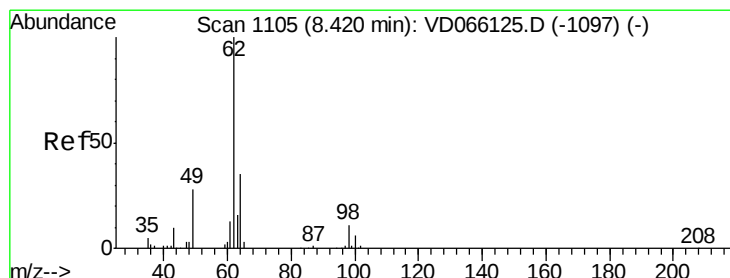
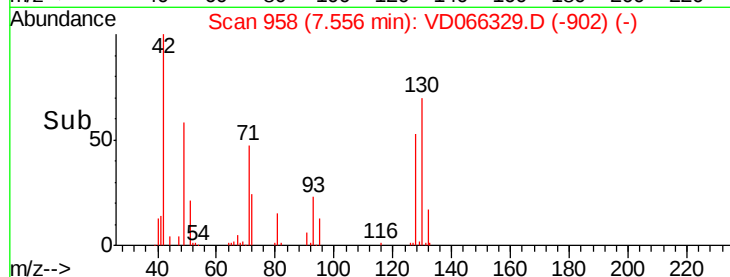
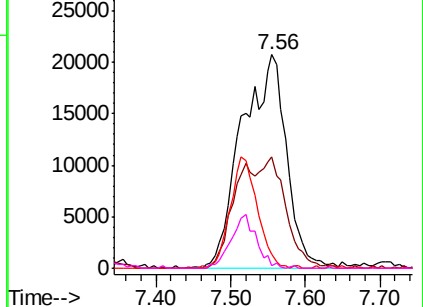


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.079 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066329.D

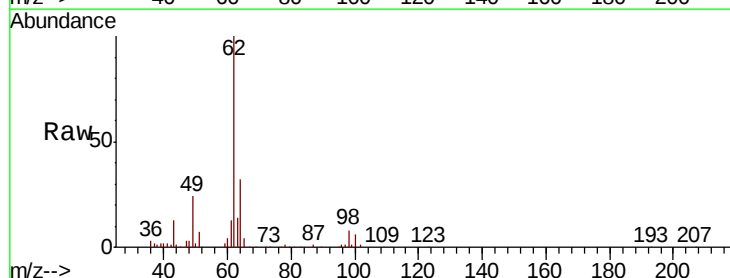
Acq: 19 Aug 2020 20:02

Tgt Ion: 62 Resp: 139441

Ion Ratio Lower Upper

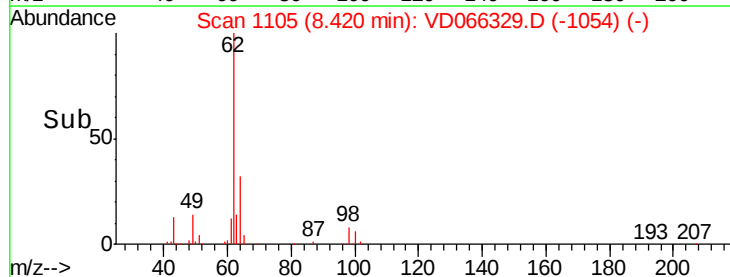
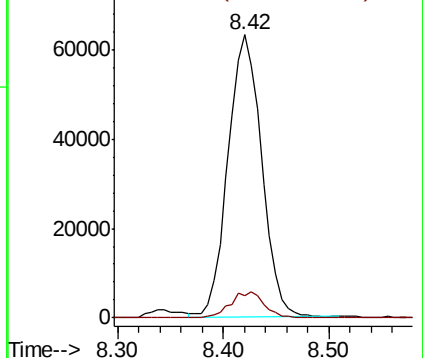
62 100

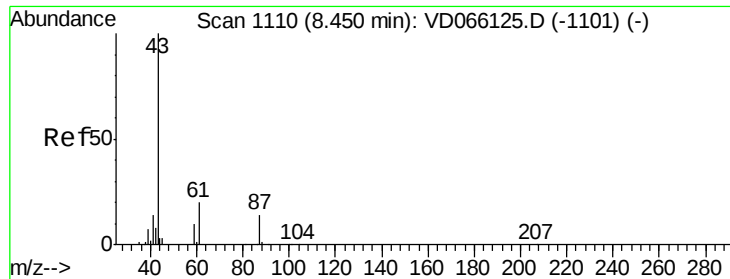
98 9.2 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.422 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

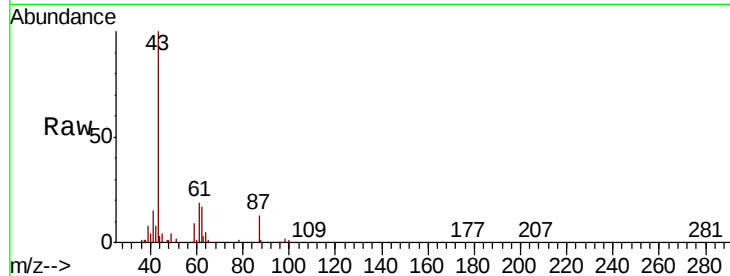
Tot Ion: 43 Resp: 124542

Ion Ratio Lower Upper

43 100

61 30.5 25.5 38.3

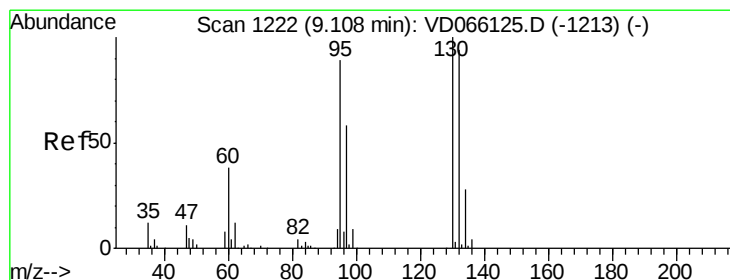
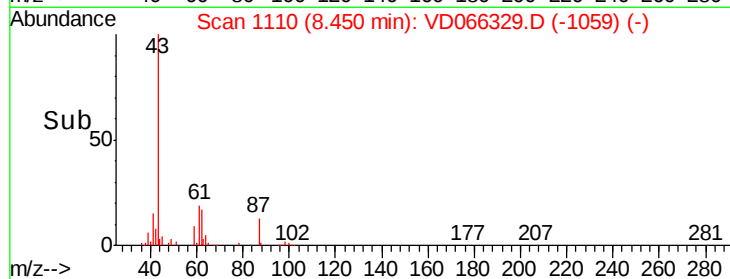
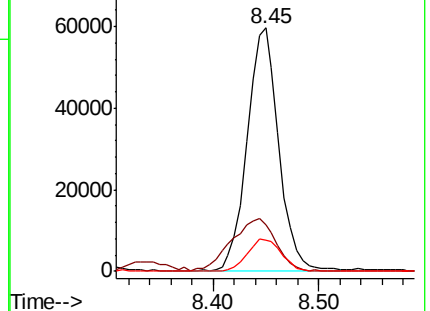
87 14.4 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.624 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066329.D

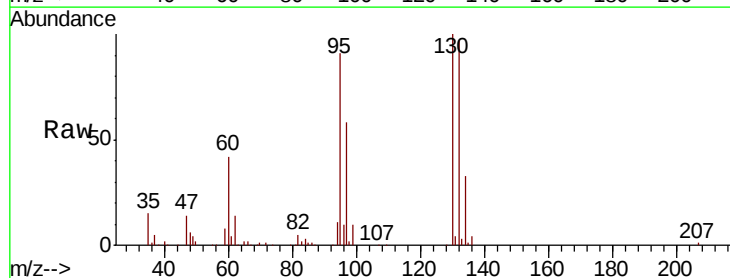
Acq: 19 Aug 2020 20:02

Tgt Ion:130 Resp: 133893

Ion Ratio Lower Upper

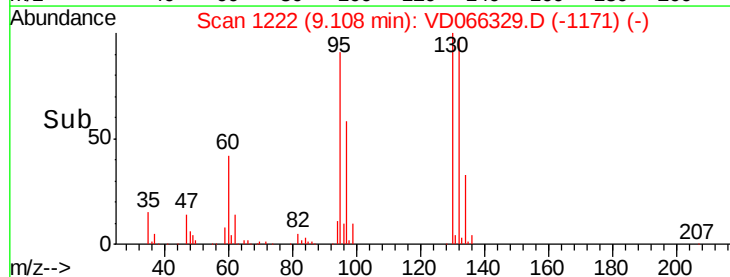
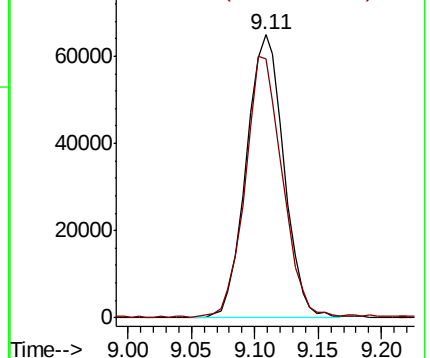
130 100

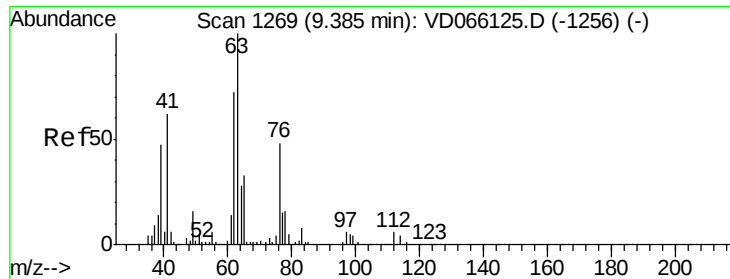
95 91.1 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

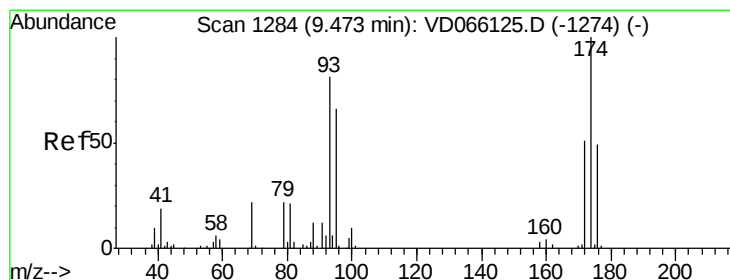
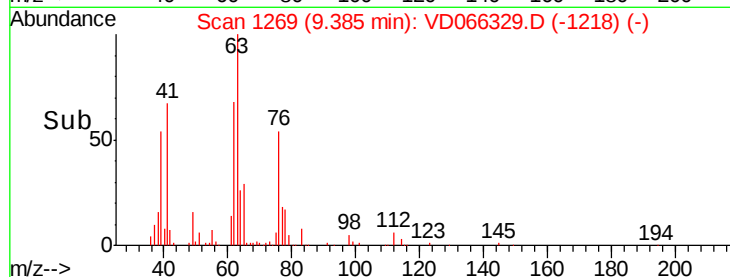
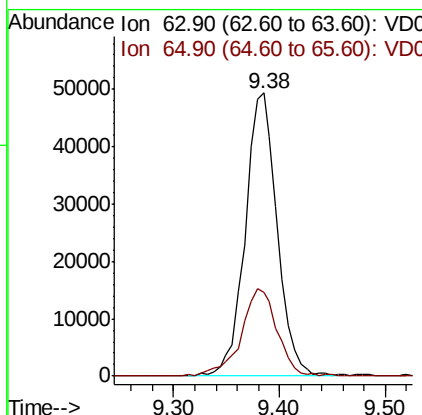
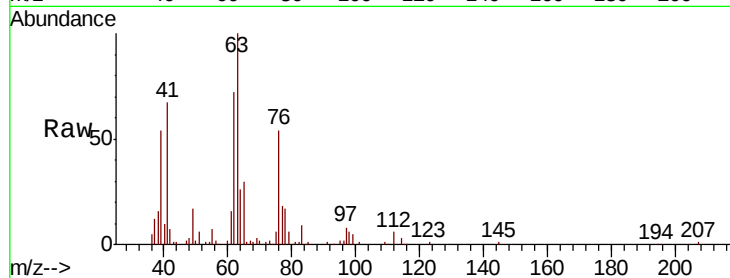




#45
 1,2-Dichloropropane
 Concen: 48.422 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

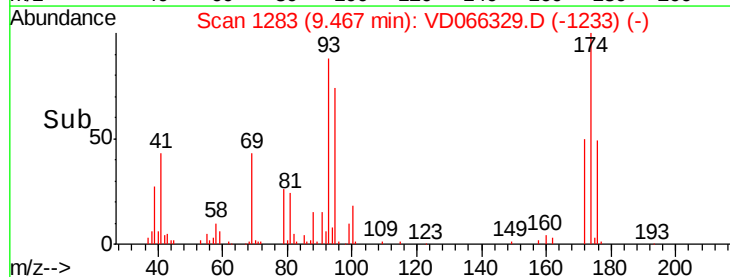
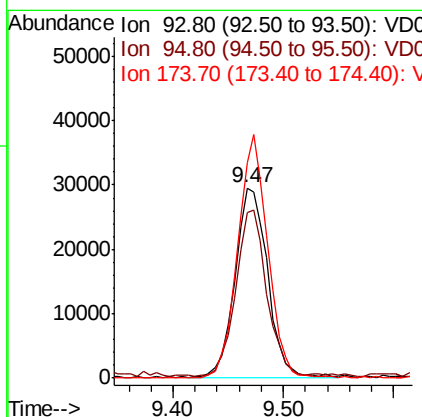
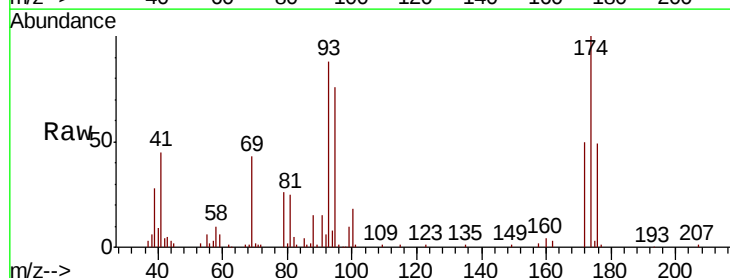
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

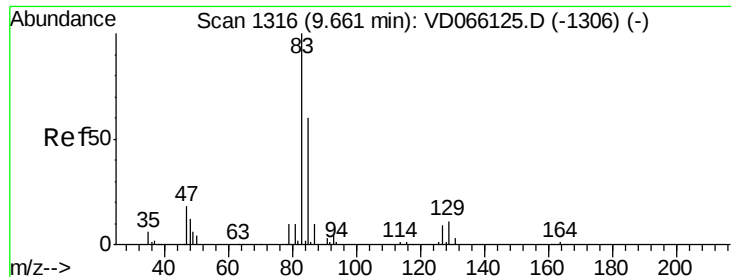
Tot Ion: 63 Resp: 103945
 Ion Ratio Lower Upper
 63 100
 65 29.6 26.5 39.7



#46
 Dibromomethane
 Concen: 52.176 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion: 93 Resp: 61694
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.6
 174 117.0 92.8 139.2

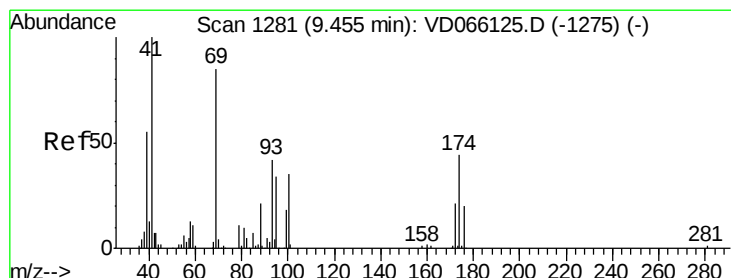
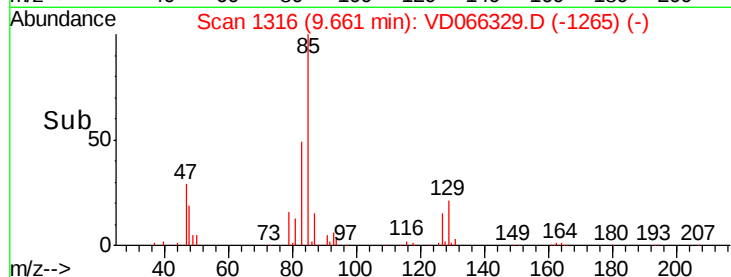
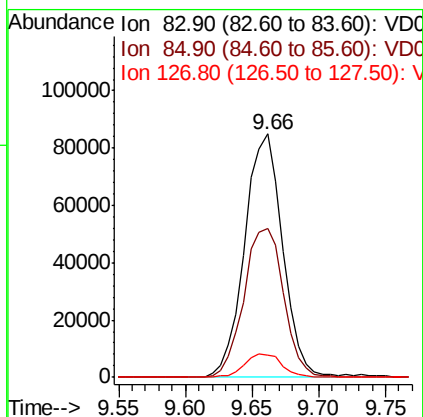
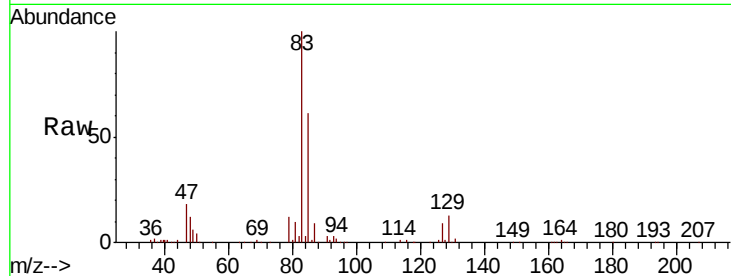




#47
Bromodichloromethane
Concen: 53.426 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

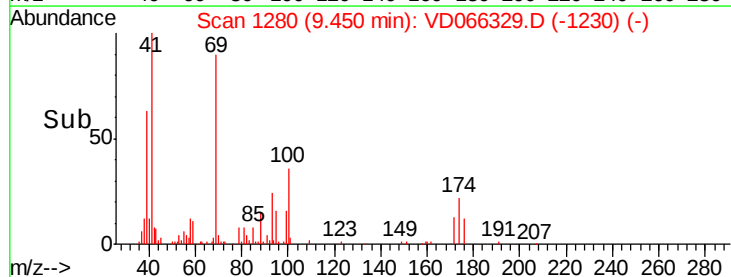
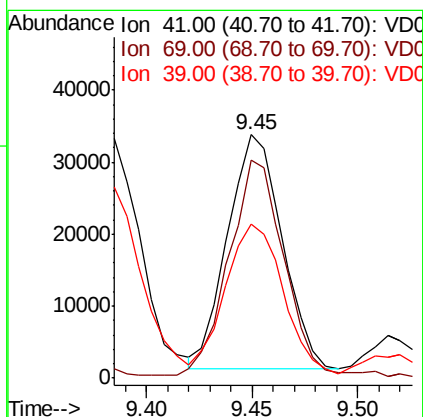
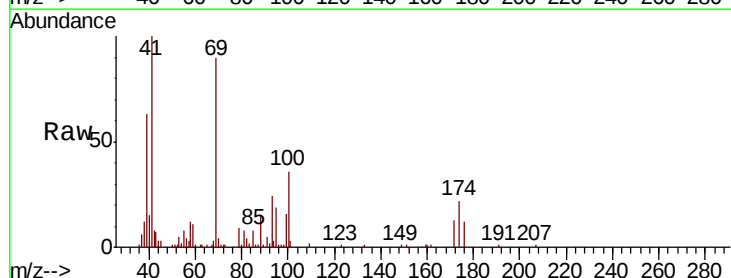
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

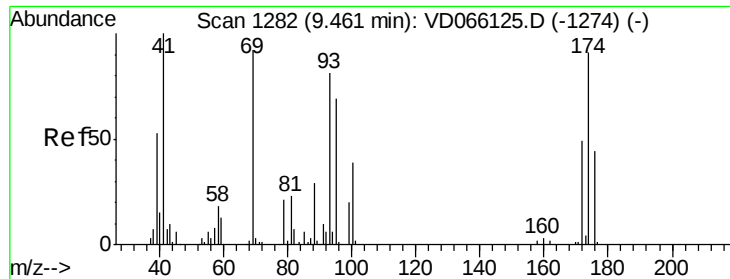
Tot Ion: 83 Resp: 166964
Ion Ratio Lower Upper
83 100
85 61.3 48.2 72.4
127 9.2 7.3 10.9



#48
Methyl methacrylate
Concen: 45.768 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 41 Resp: 57723
Ion Ratio Lower Upper
41 100
69 96.7 63.9 95.9#
39 72.3 42.6 64.0#





#49

1,4-Dioxane

Concen: 911.118 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

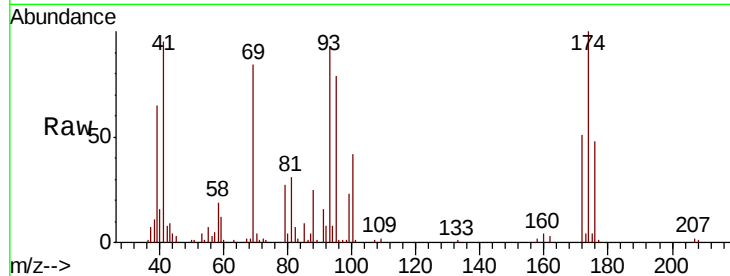
Tot Ion: 88 Resp: 13841

Ion Ratio Lower Upper

88 100

43 41.7 27.5 41.3#

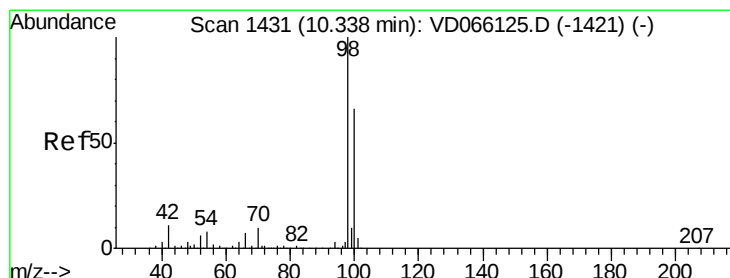
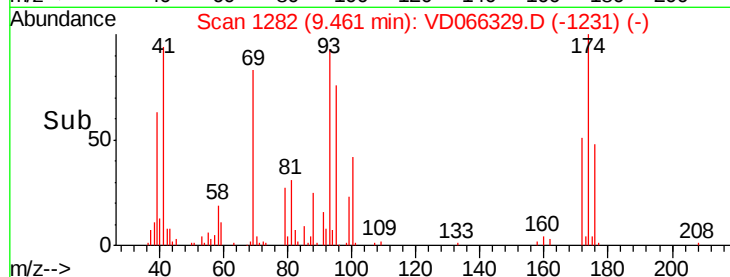
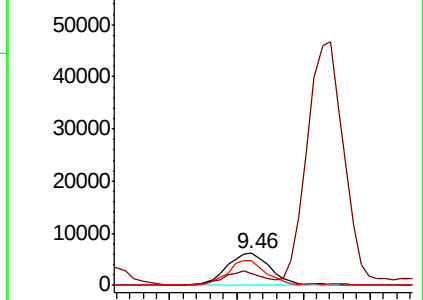
58 69.4 50.2 75.4



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: 51.396 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066329.D

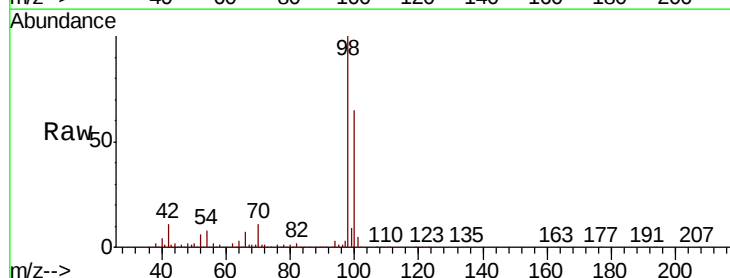
Acq: 19 Aug 2020 20:02

Tgt Ion: 98 Resp: 404549

Ion Ratio Lower Upper

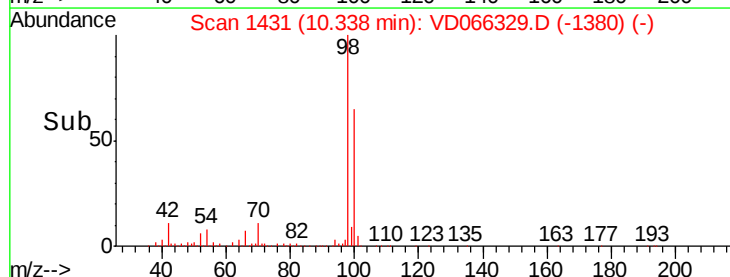
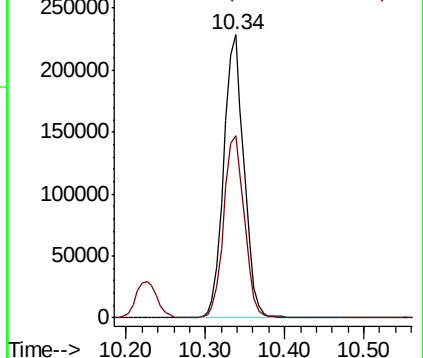
98 100

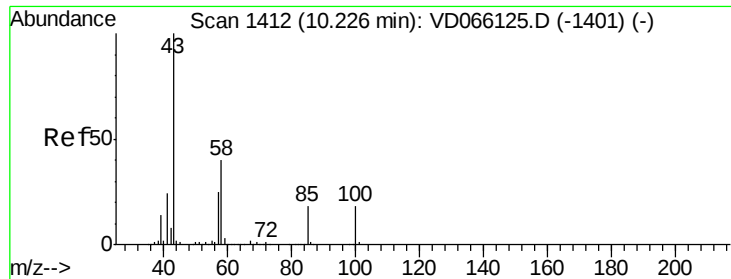
100 65.1 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 244.741 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

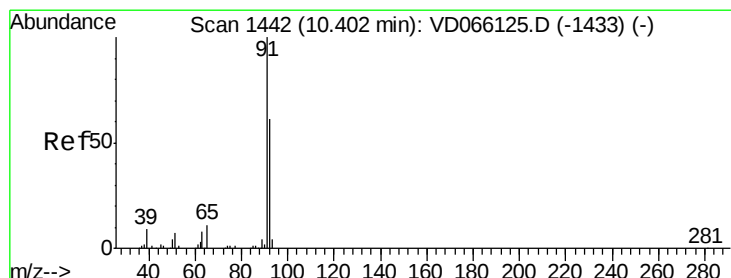
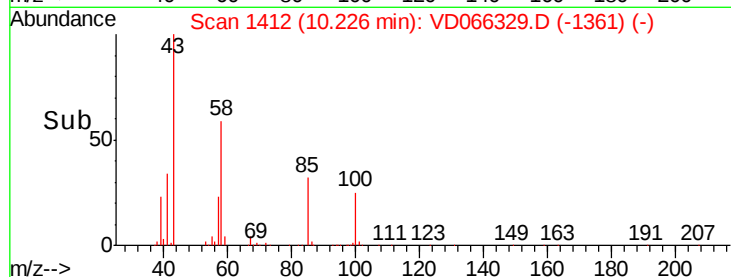
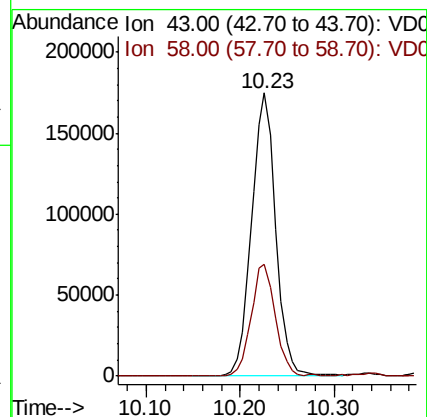
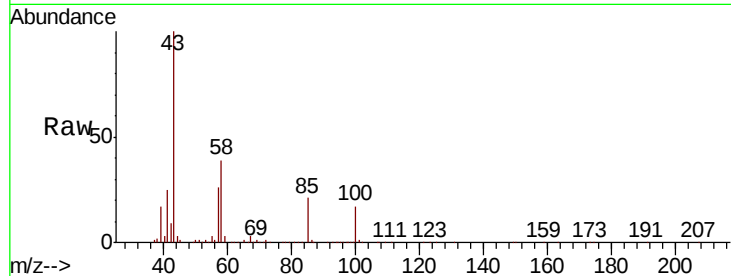
VSTDCCC050EC

Tot Ion: 43 Resp: 310509

Ion Ratio Lower Upper

43 100

58 39.6 31.1 46.7



#52

Toluene

Concen: 48.752 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066329.D

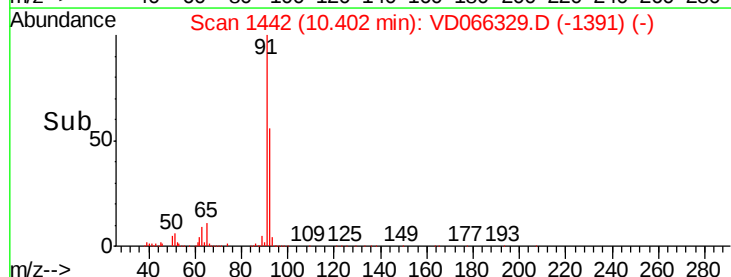
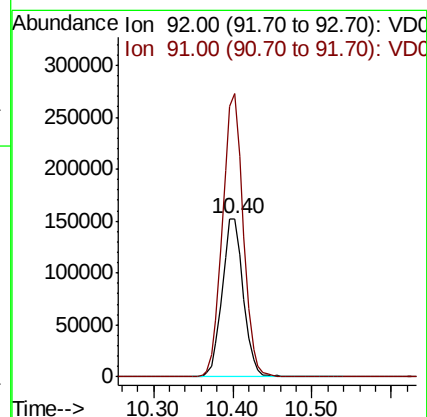
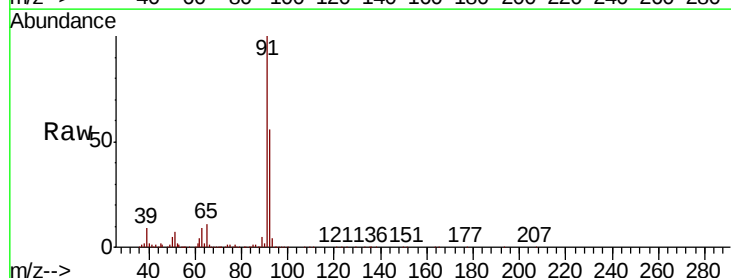
Acq: 19 Aug 2020 20:02

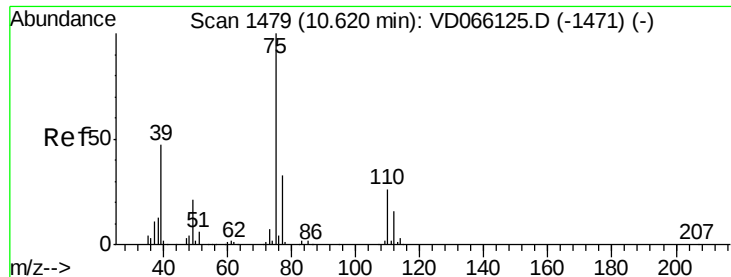
Tgt Ion: 92 Resp: 281568

Ion Ratio Lower Upper

92 100

91 175.6 135.2 202.8

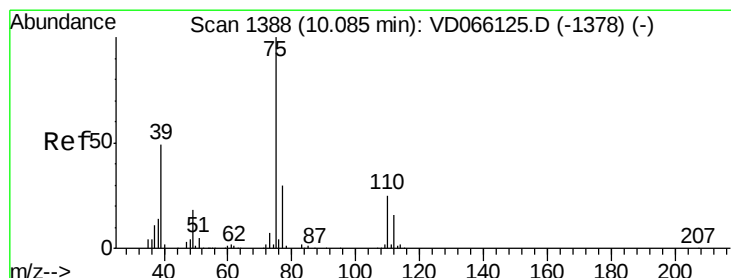
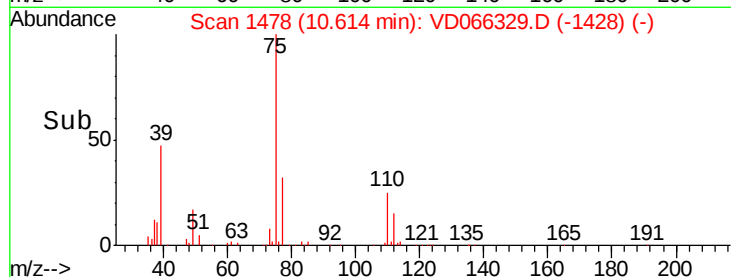
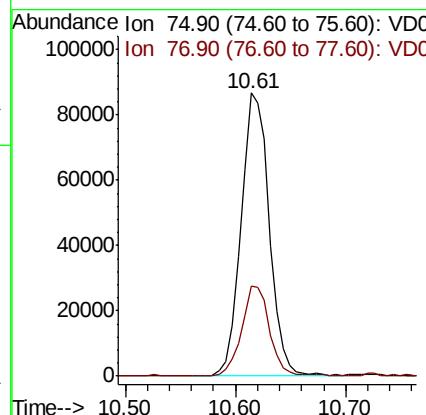
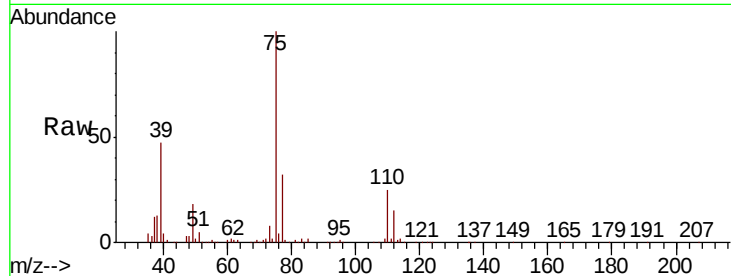




#53
 t-1,3-Dichloropropene
 Concen: 52.532 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

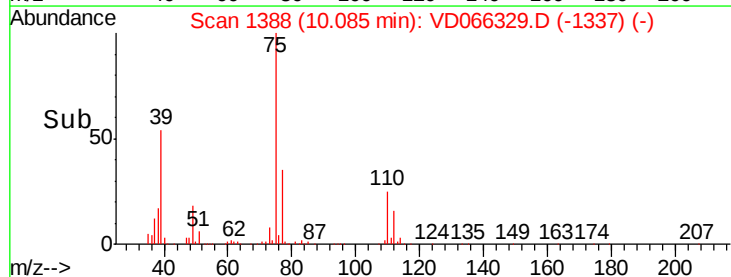
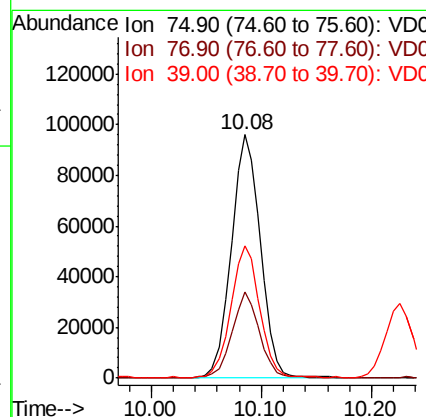
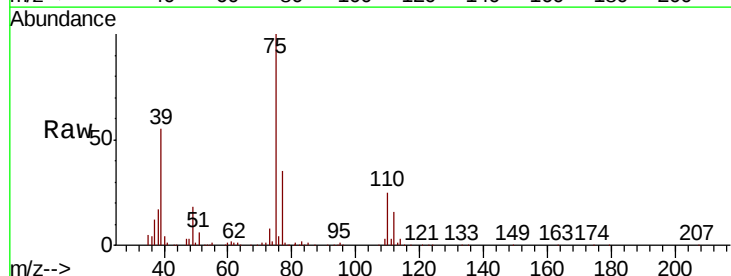
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

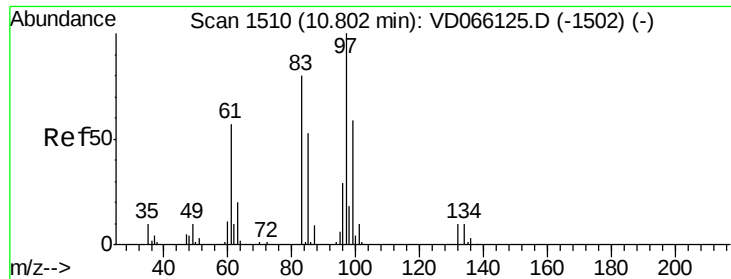
Tot Ion: 75 Resp: 155798
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 50.886 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion: 75 Resp: 176819
 Ion Ratio Lower Upper
 75 100
 77 35.0 24.3 36.5
 39 54.3 39.3 58.9

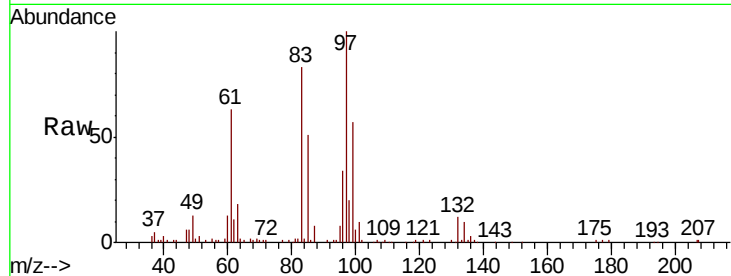




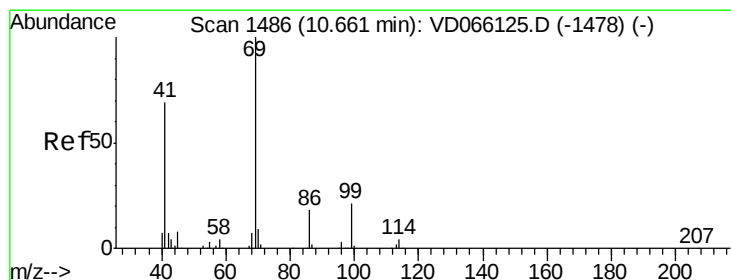
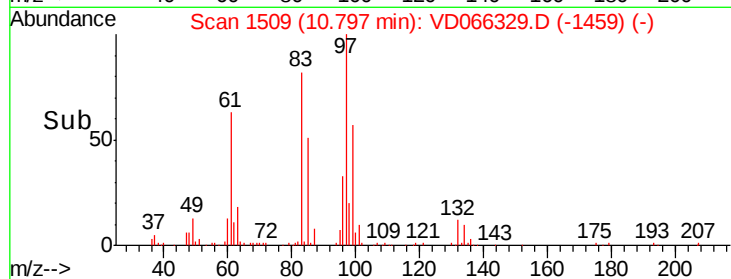
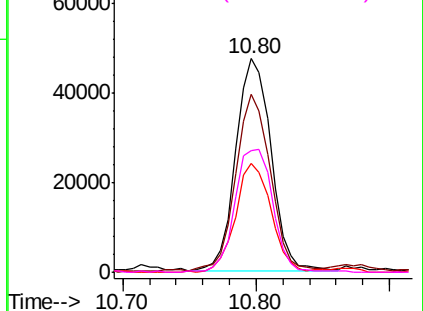
#55
 1,1,2-Trichloroethane
 Concen: 50.841 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	86564
Ion	Ratio	Lower	Upper
97	100		
83	82.8	63.9	95.9
85	50.6	42.5	63.7
99	56.9	47.4	71.0

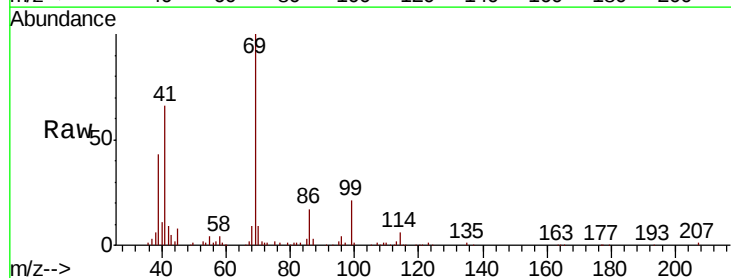


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

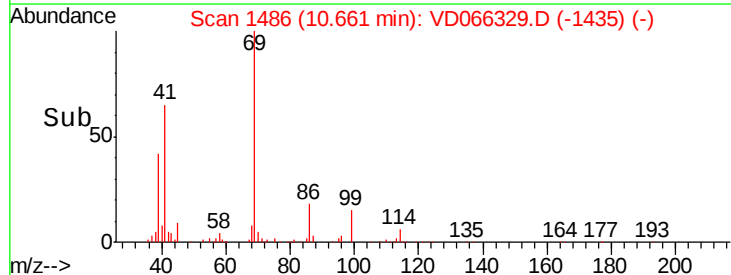
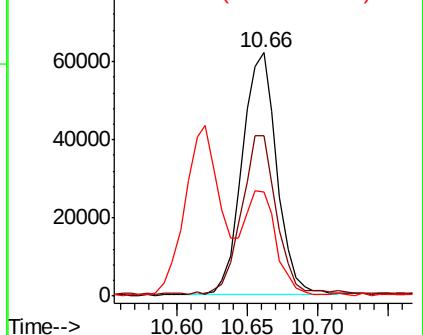


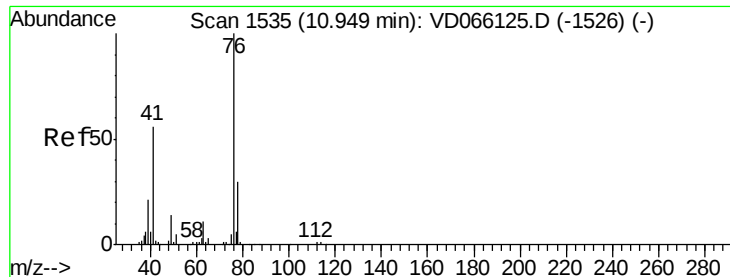
#56
 Ethyl methacrylate
 Concen: 51.970 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion:	69	Resp:	106297
Ion	Ratio	Lower	Upper
69	100		
41	66.4	54.1	81.1
39	36.5	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: 50.694 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

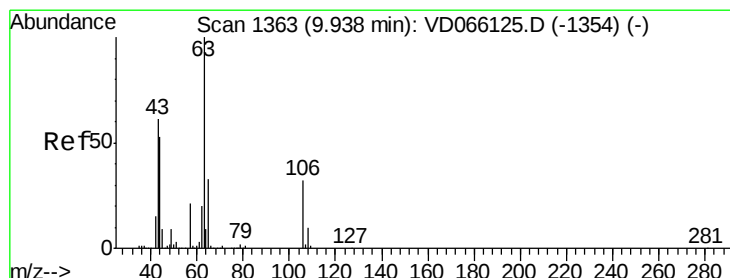
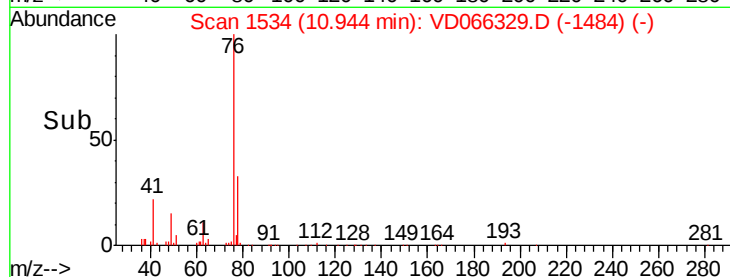
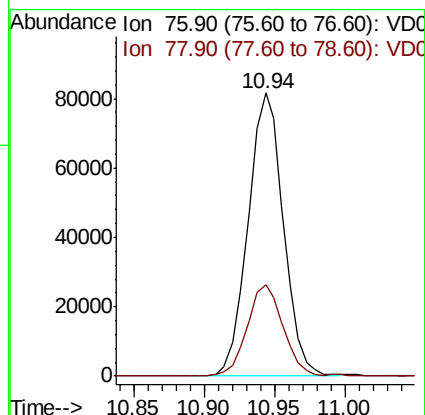
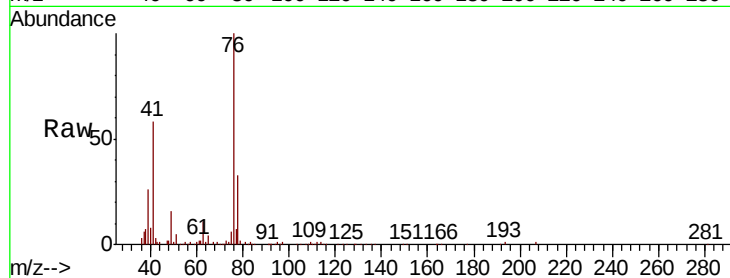
VSTDCCC050EC

Tot Ion: 76 Resp: 143293

Ion Ratio Lower Upper

76 100

78 33.2 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 275.246 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066329.D

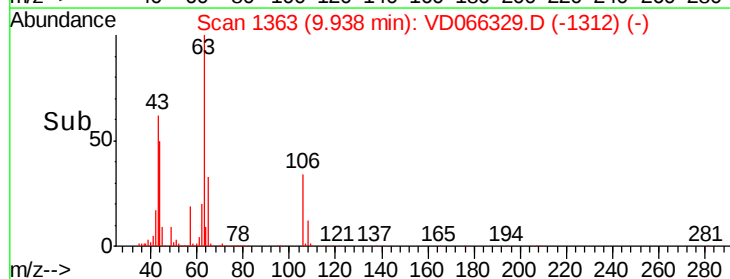
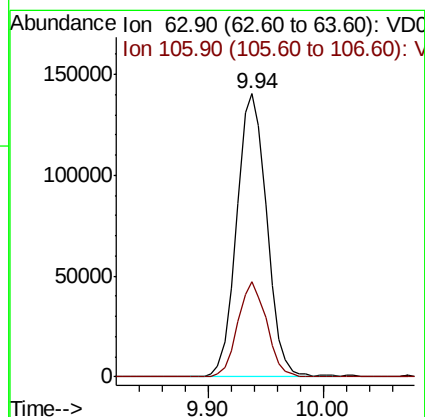
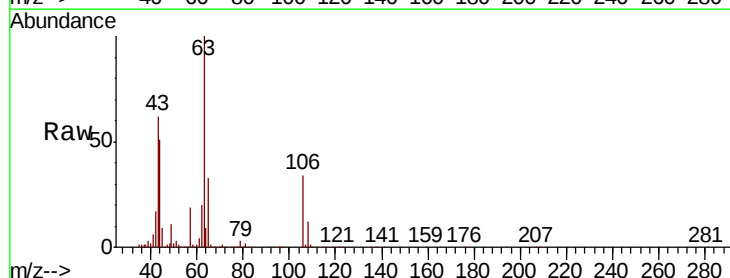
Acq: 19 Aug 2020 20:02

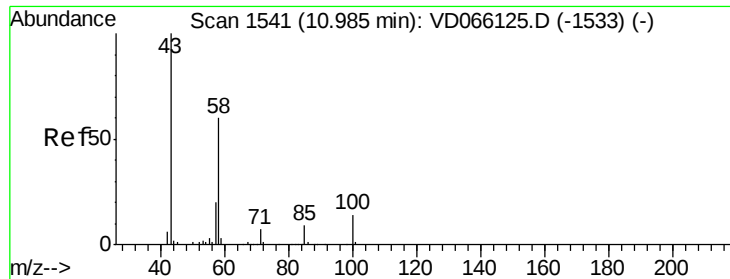
Tgt Ion: 63 Resp: 253235

Ion Ratio Lower Upper

63 100

106 32.5 25.3 37.9

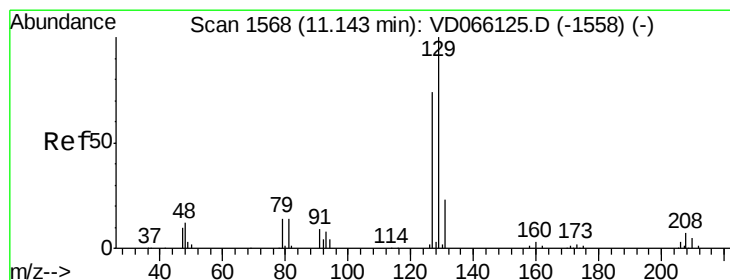
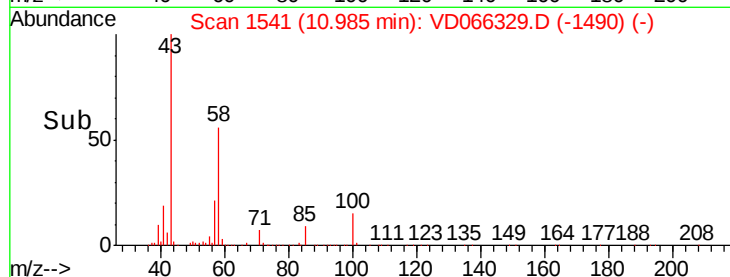
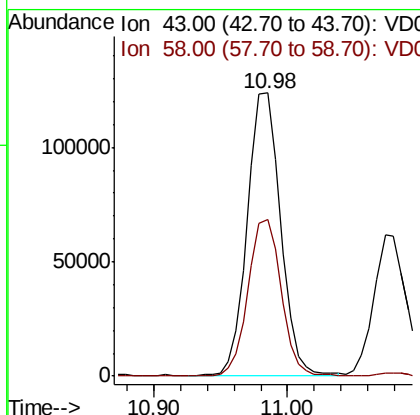
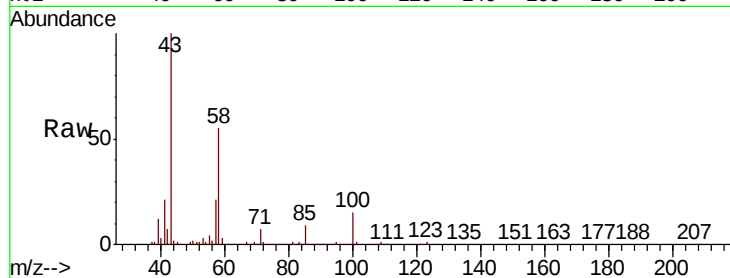




#59
2-Hexanone
Concen: 238.715 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

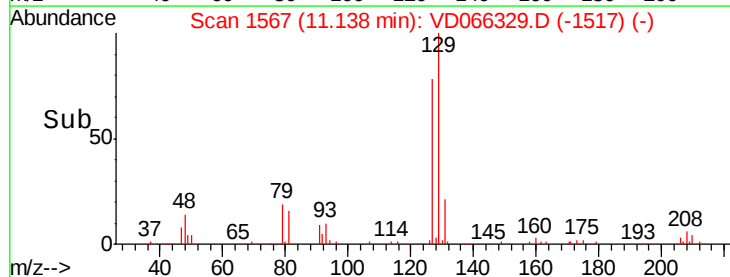
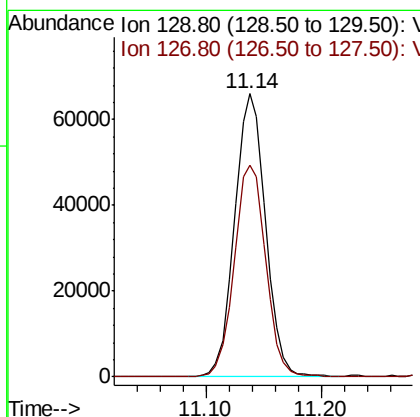
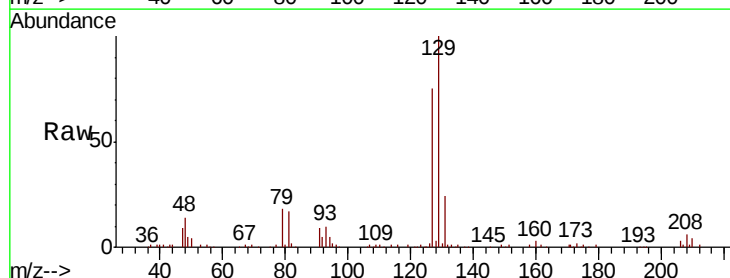
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

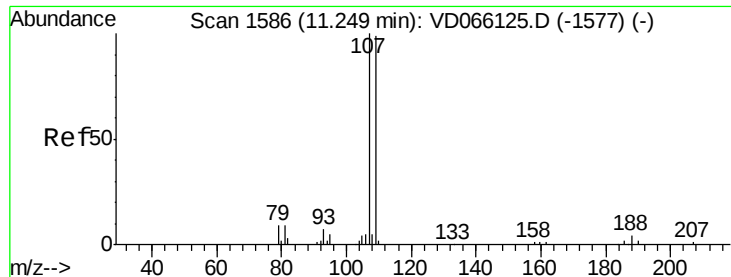
Tot Ion: 43 Resp: 212555
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4



#60
Dibromochloromethane
Concen: 52.181 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 129 Resp: 122658
Ion Ratio Lower Upper
129 100
127 76.0 38.0 114.1

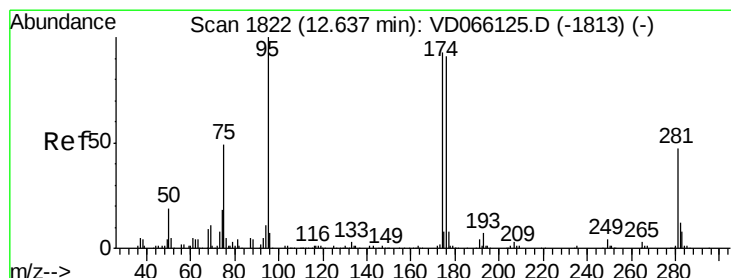
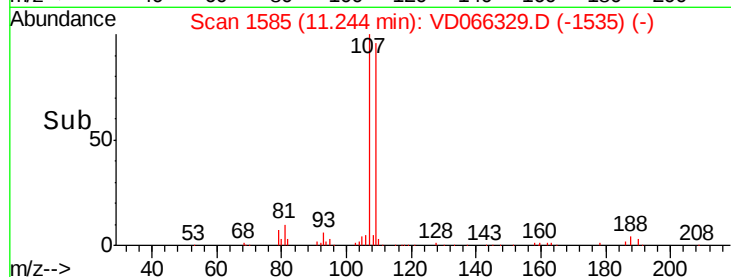
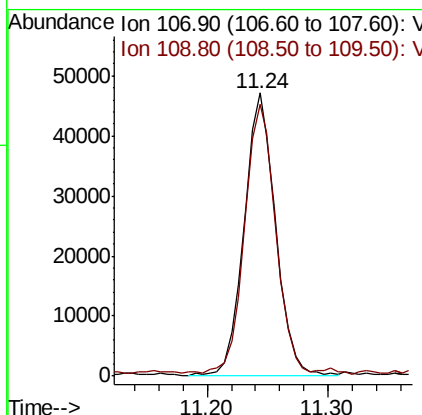
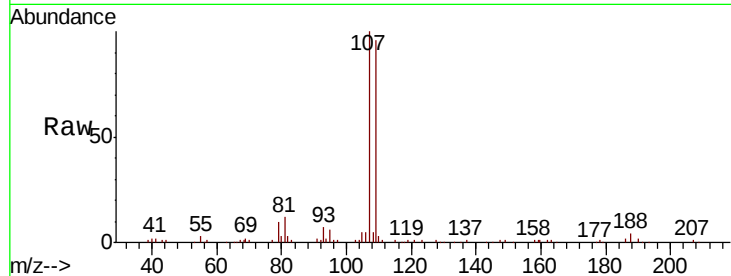




#61
 1,2-Dibromoethane
 Concen: 52.260 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

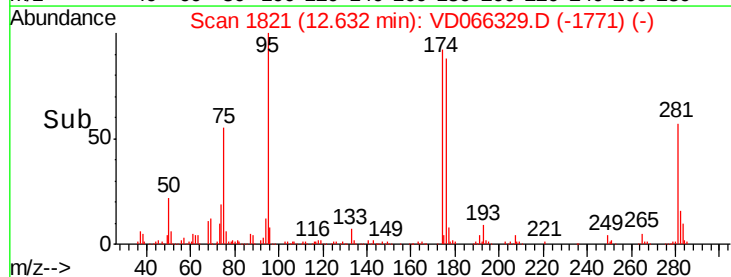
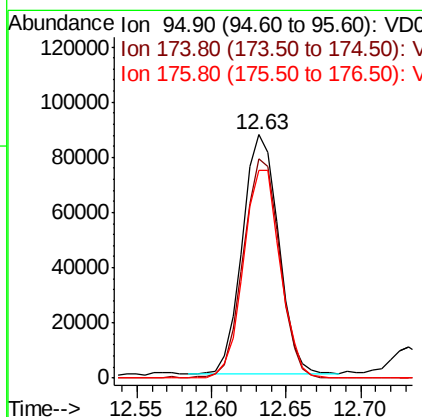
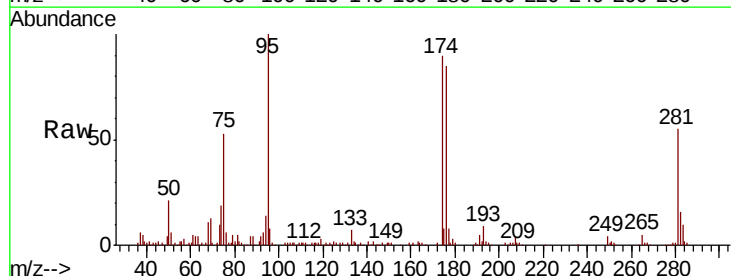
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

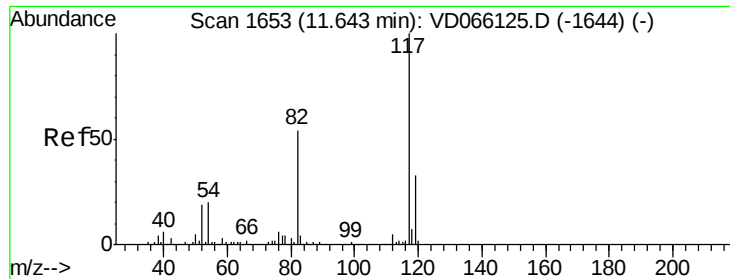
Tot Ion:107 Resp: 85573
 Ion Ratio Lower Upper
 107 100
 109 93.3 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 51.317 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion: 95 Resp: 145600
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 180.8
 176 88.4 0.0 181.2

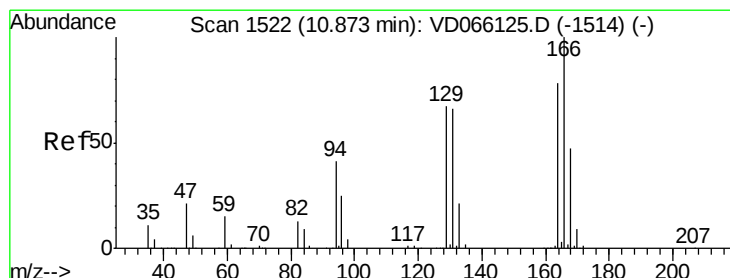
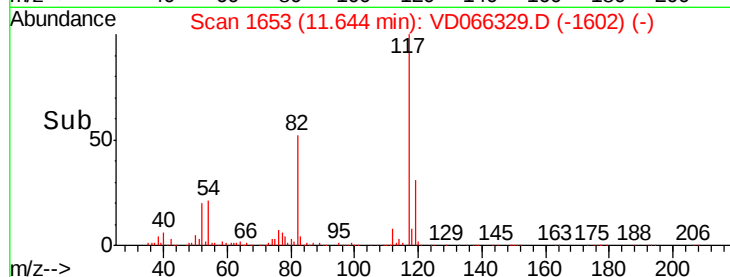
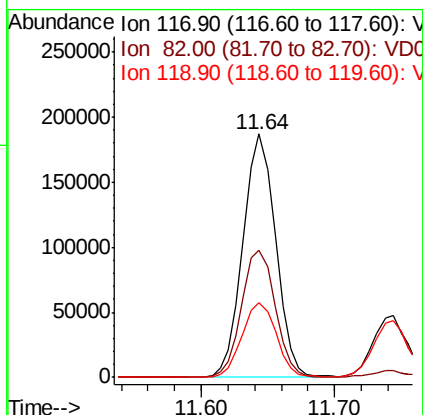
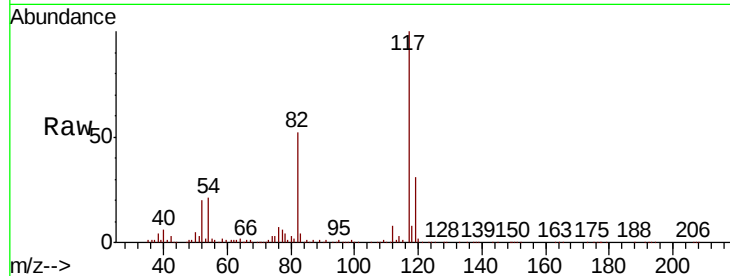




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

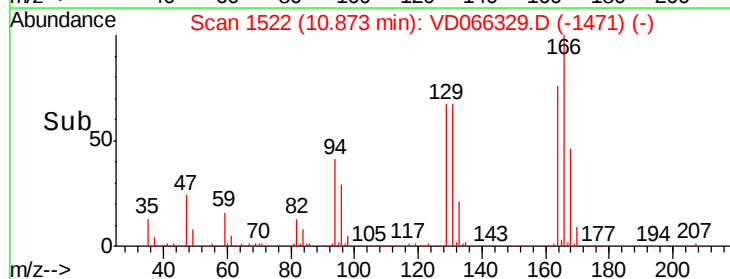
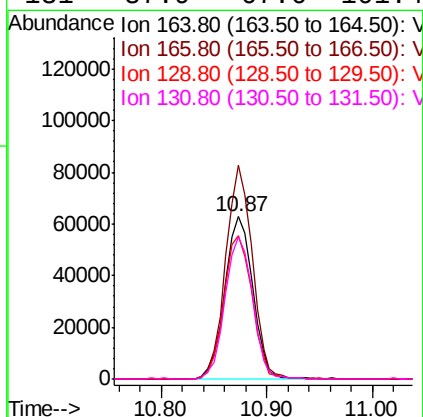
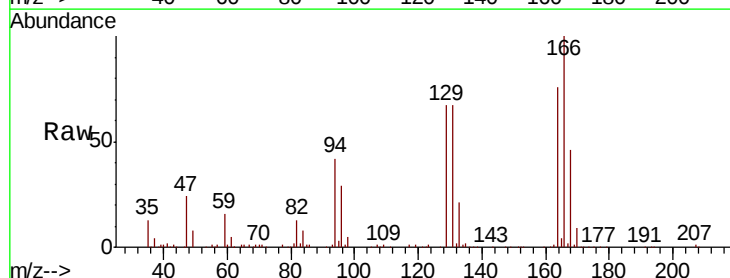
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

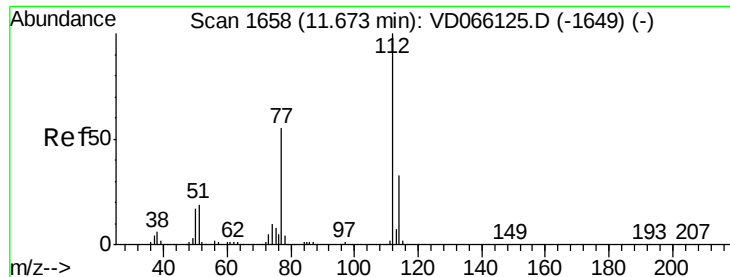
Tot Ion:117 Resp: 317869
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 30.7 26.1 39.1



#64
Tetrachloroethene
Concen: 47.187 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion:164 Resp: 115179
Ion Ratio Lower Upper
164 100
166 131.6 101.9 152.9
129 88.0 68.1 102.1
131 87.9 67.6 101.4

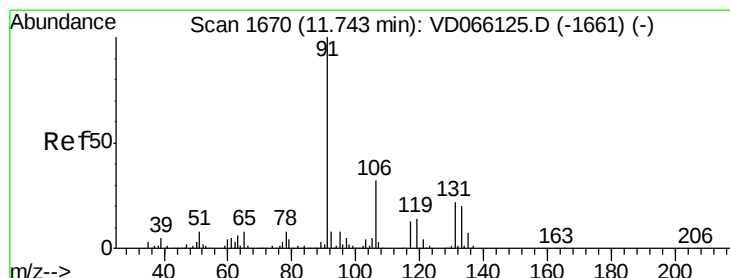
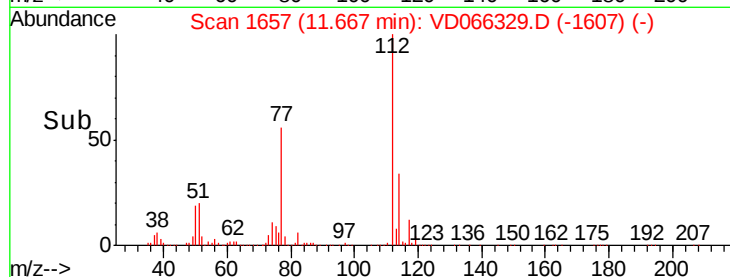
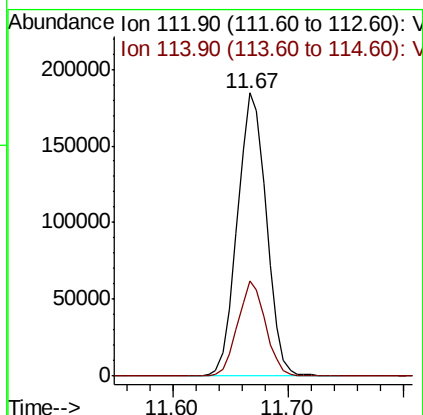
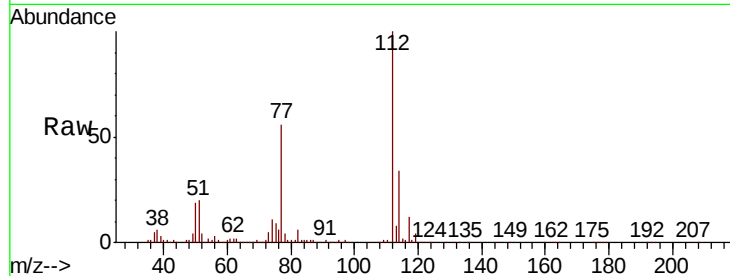




#65
Chlorobenzene
Concen: 49.760 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

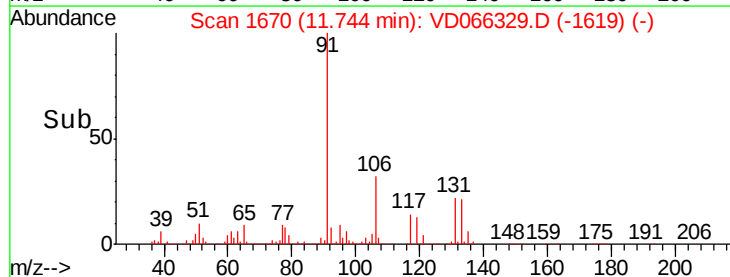
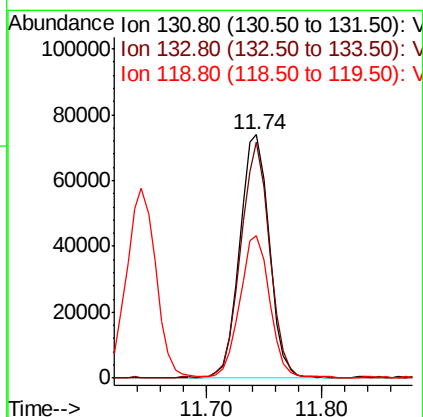
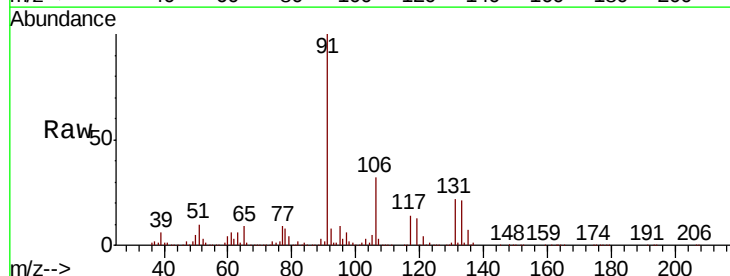
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

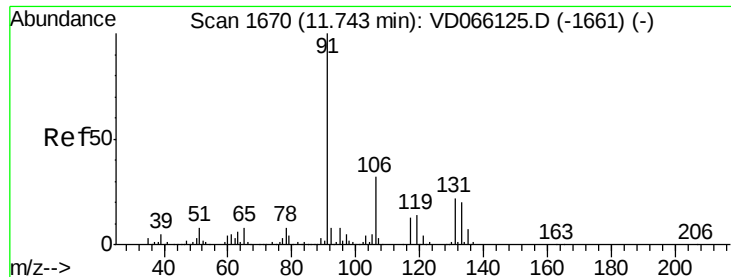
Tot Ion:112 Resp: 321091
Ion Ratio Lower Upper
112 100
114 33.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 52.193 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion:131 Resp: 131777
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.4
119 58.7 31.6 94.7





#67

Ethyl Benzene

Concen: 50.412 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

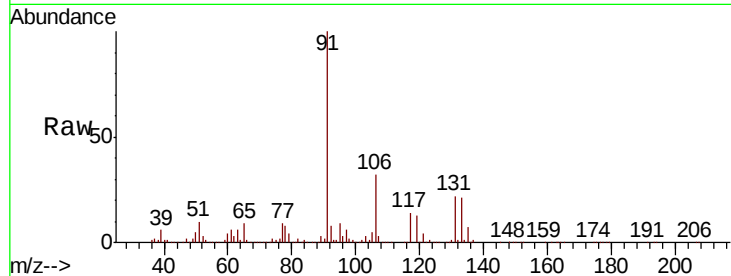
VSTDCCC050EC

Tot Ion: 91 Resp: 563711

Ion Ratio Lower Upper

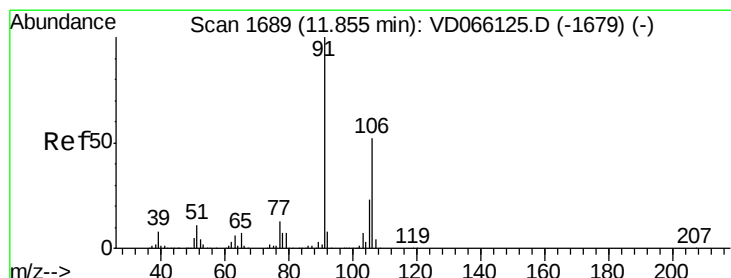
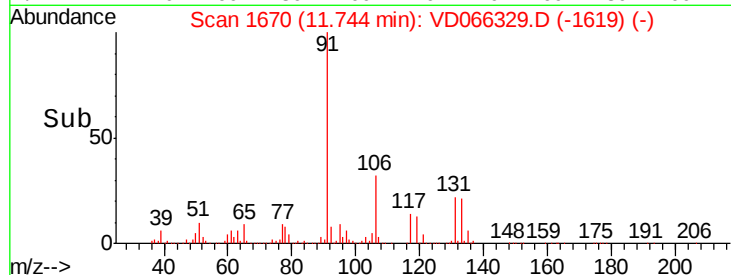
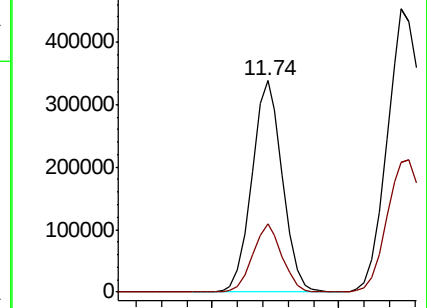
91 100

106 32.3 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 96.580 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066329.D

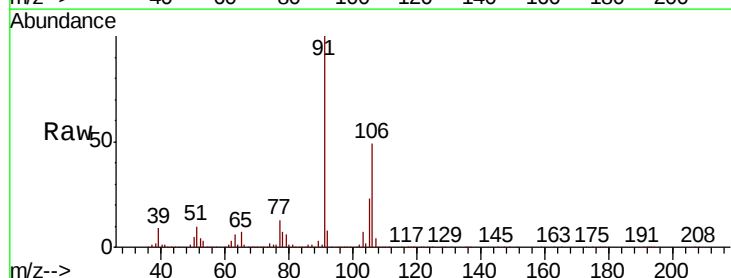
Acq: 19 Aug 2020 20:02

Tgt Ion: 106 Resp: 418427

Ion Ratio Lower Upper

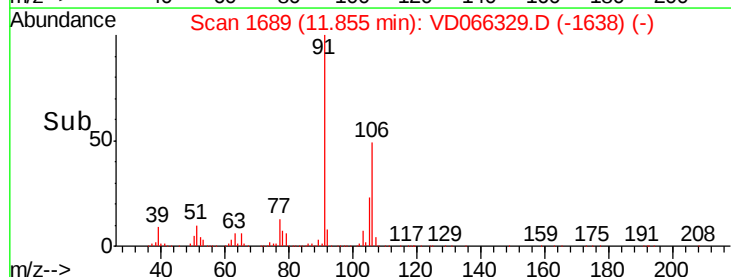
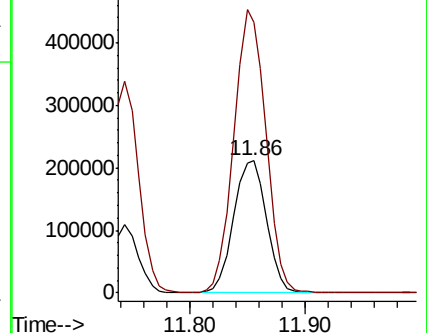
106 100

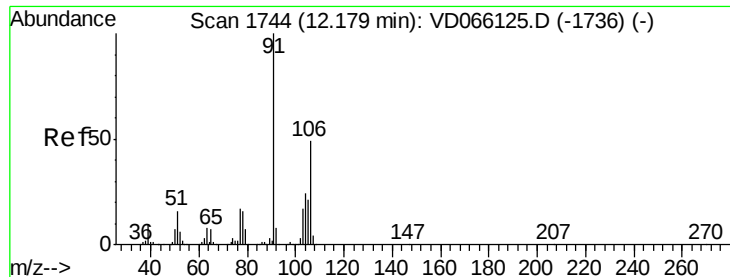
91 207.1 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

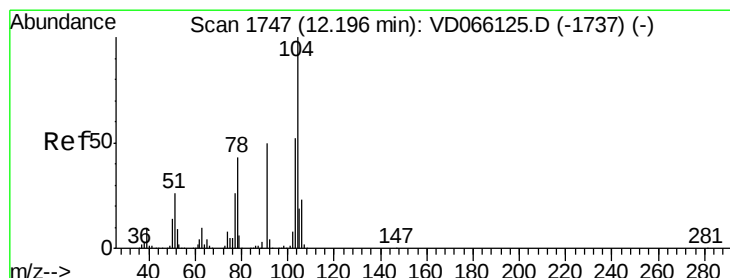
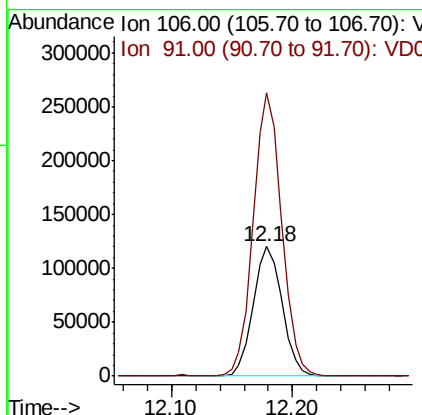
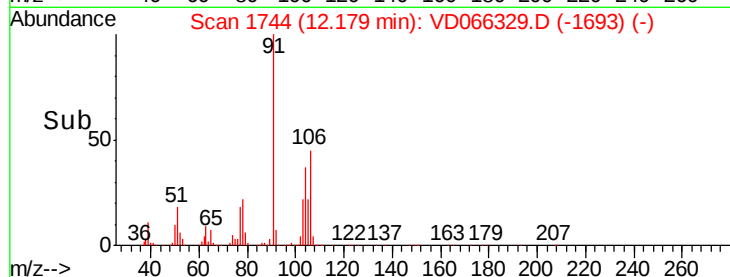
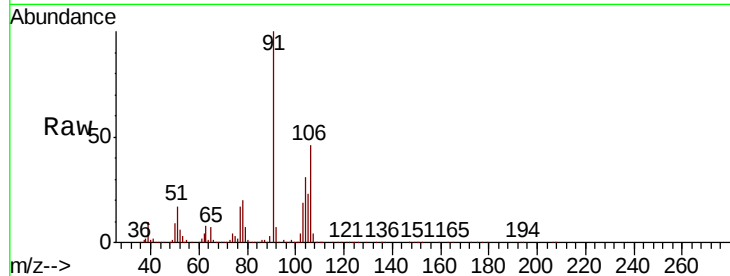




#69
o-Xylene
Concen: 51.129 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

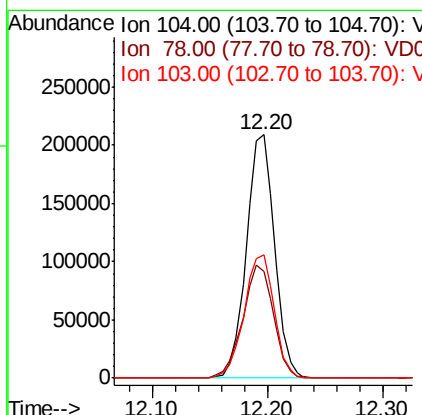
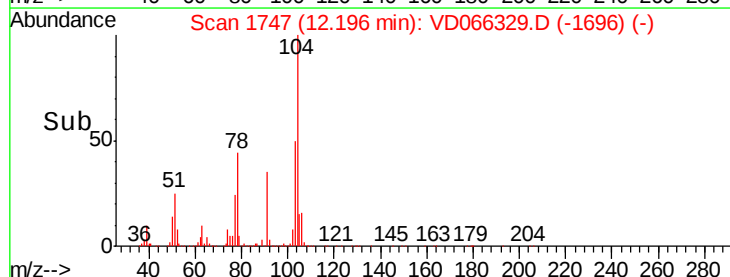
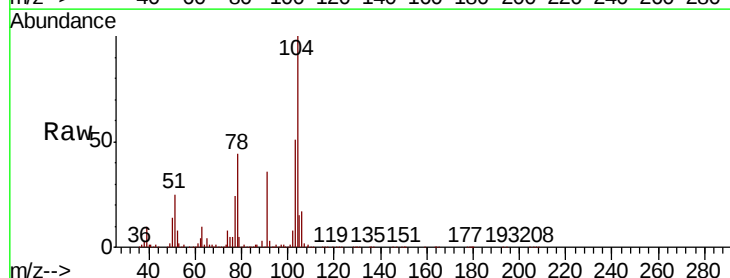
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

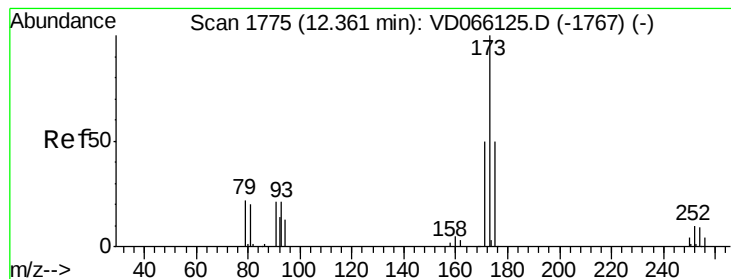
Tot Ion:106 Resp: 201505
Ion Ratio Lower Upper
106 100
91 213.0 105.7 317.1



#70
Styrene
Concen: 51.387 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion:104 Resp: 354924
Ion Ratio Lower Upper
104 100
78 50.8 38.6 58.0
103 54.5 44.1 66.1





#71

Bromoform

Concen: 52.839 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

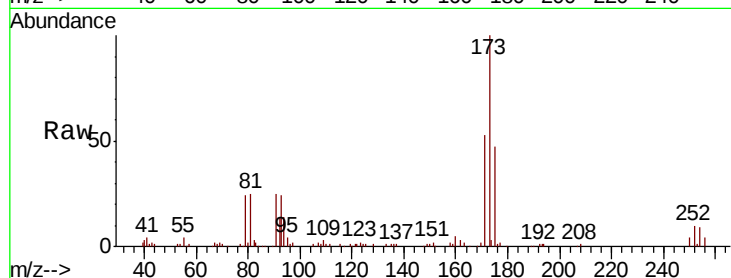
Tot Ion:173 Resp: 79042

Ion Ratio Lower Upper

173 100

175 46.4 24.6 73.6

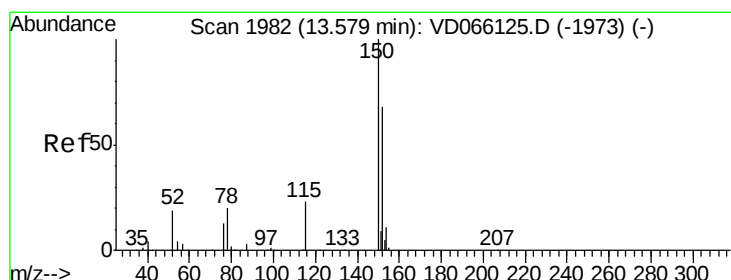
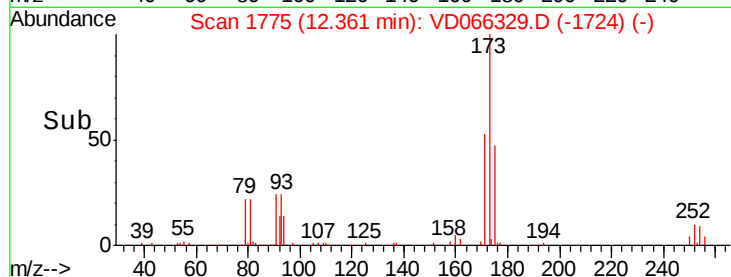
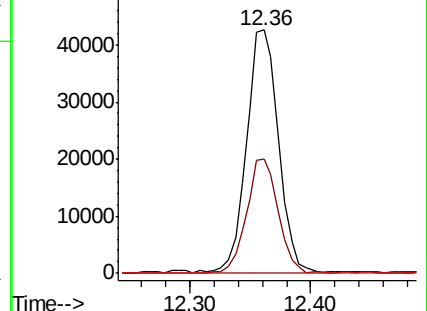
254 0.0 0.2 0.2#



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: VD066329.D

Acq: 19 Aug 2020 20:02

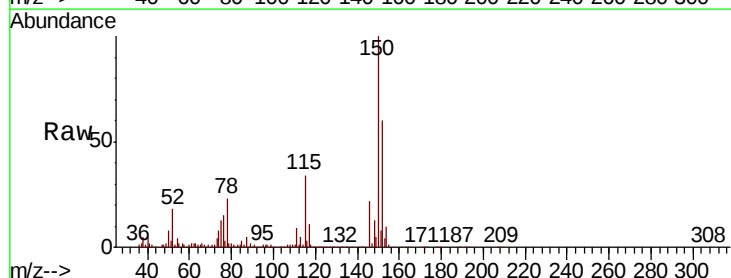
Tgt Ion:152 Resp: 159078

Ion Ratio Lower Upper

152 100

115 58.6 28.0 83.9

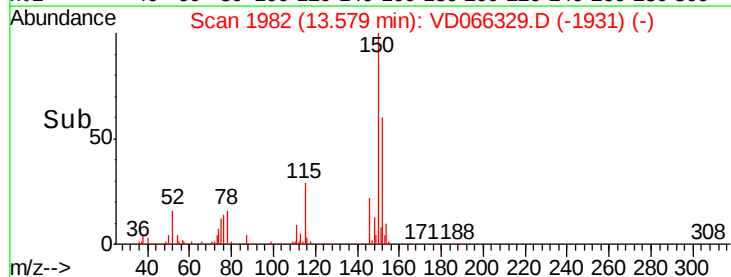
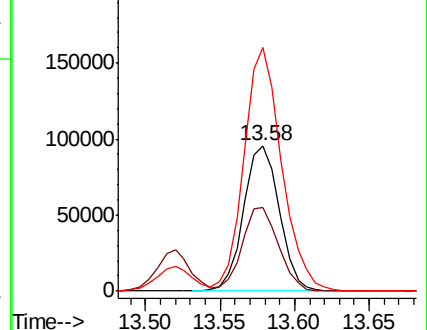
150 175.5 0.0 346.4

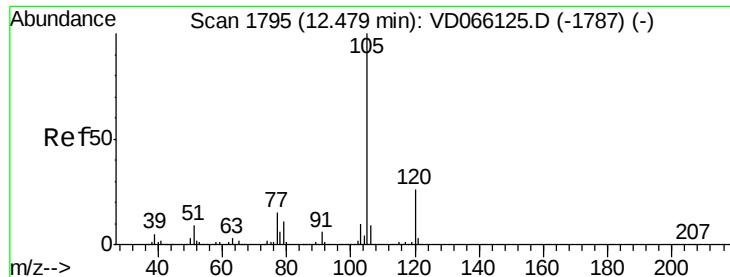


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.968 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

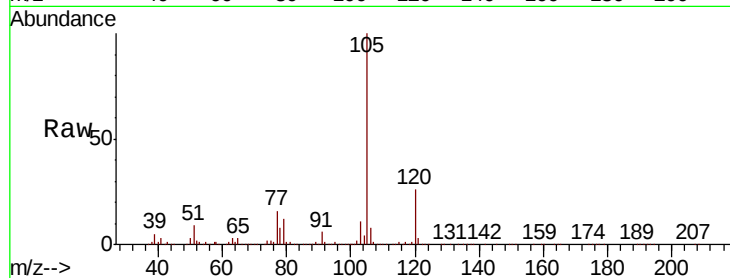
VSTDCCC050EC

Tot Ion:105 Resp: 562458

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

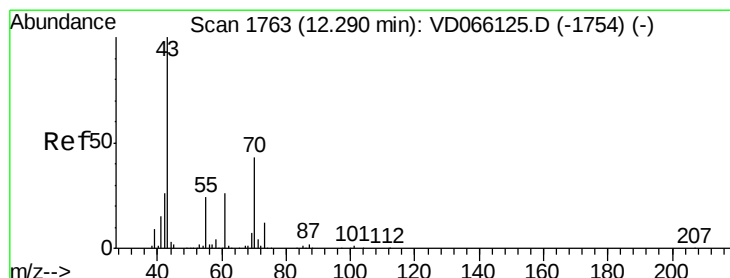
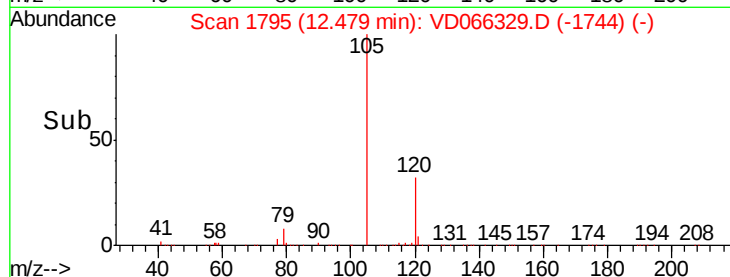
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.797 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Tgt Ion: 43 Resp: 116442

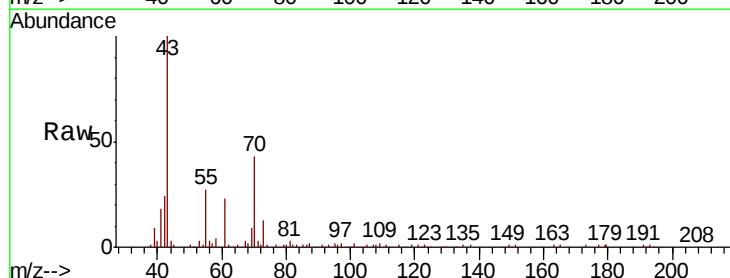
Ion Ratio Lower Upper

43 100

70 47.0 34.9 52.3

55 27.5 19.2 28.8

61 24.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

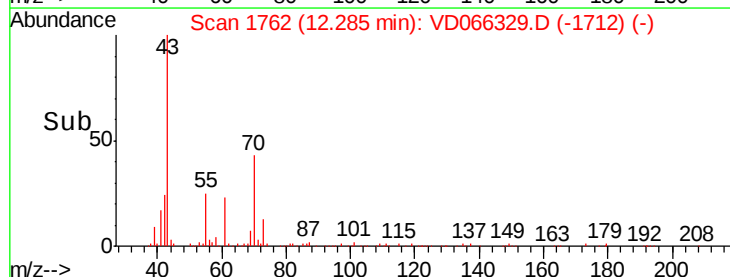
60000

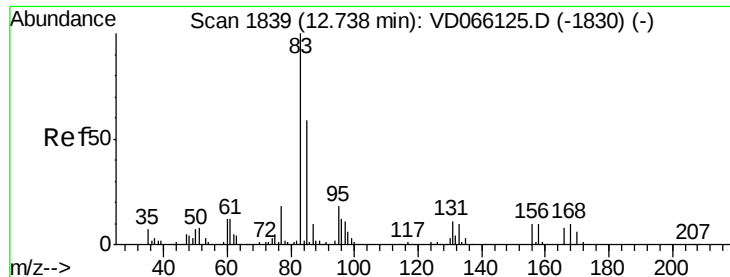
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.289 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

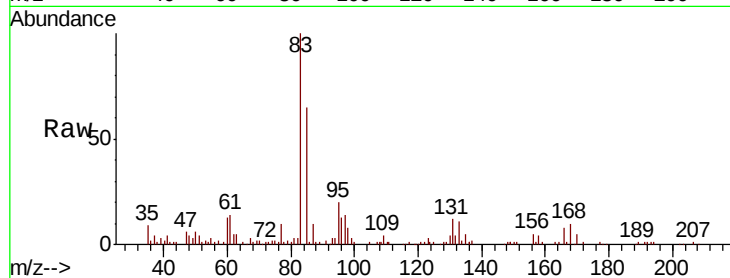
Tot Ion: 83 Resp: 91058

Ion Ratio Lower Upper

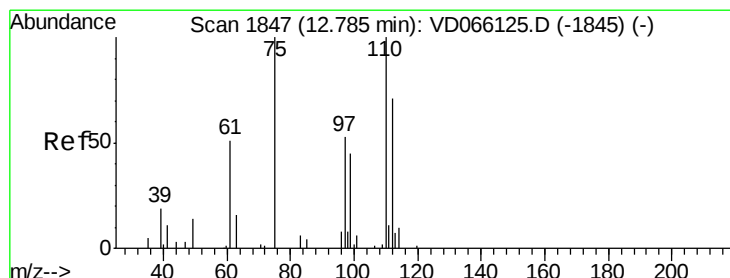
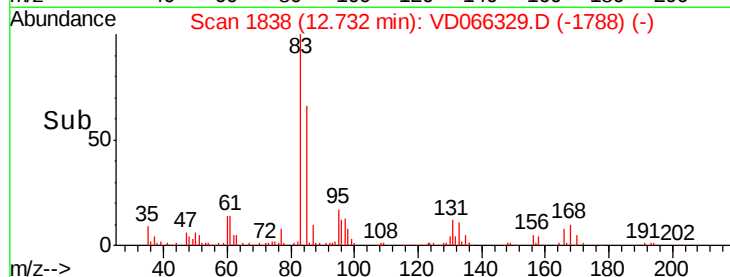
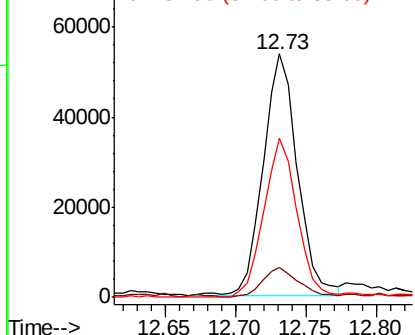
83 100

131 12.6 6.2 18.6

85 64.0 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: 92.453 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066329.D

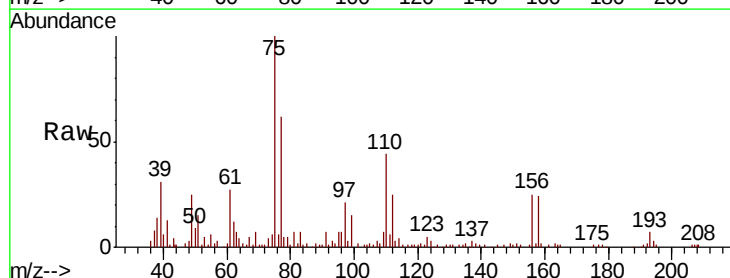
Acq: 19 Aug 2020 20:02

Tgt Ion: 75 Resp: 122648

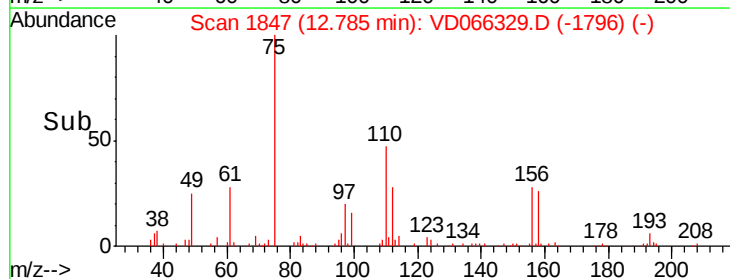
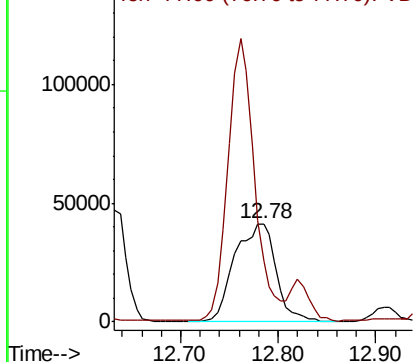
Ion Ratio Lower Upper

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: 51.800 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

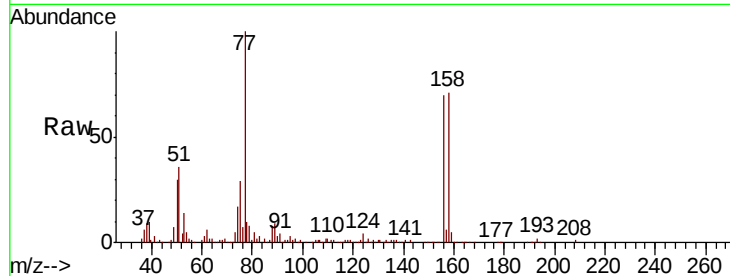
Tot Ion:156 Resp: 141595

Ion Ratio Lower Upper

156 100

77 158.5 81.0 243.1

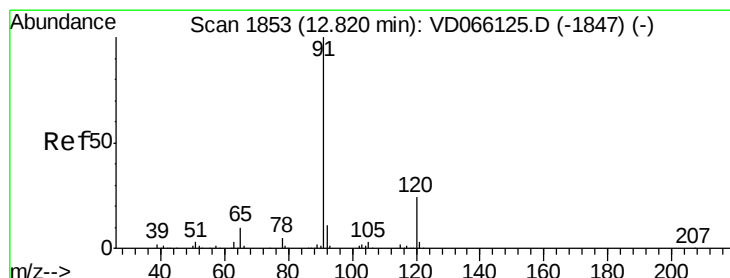
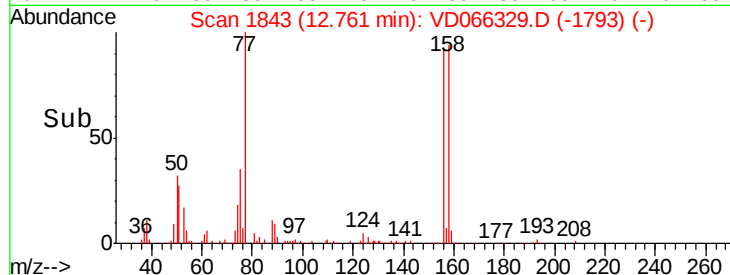
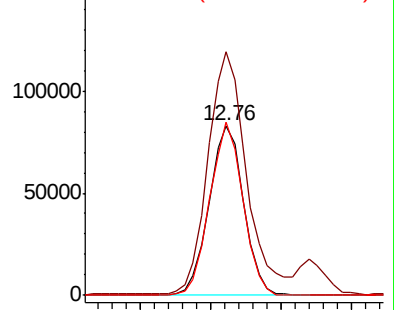
158 98.1 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.154 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066329.D

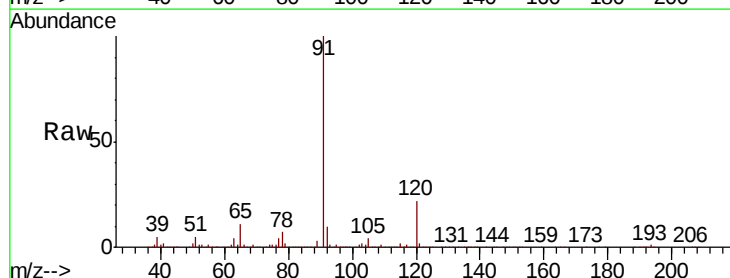
Acq: 19 Aug 2020 20:02

Tgt Ion: 91 Resp: 643775

Ion Ratio Lower Upper

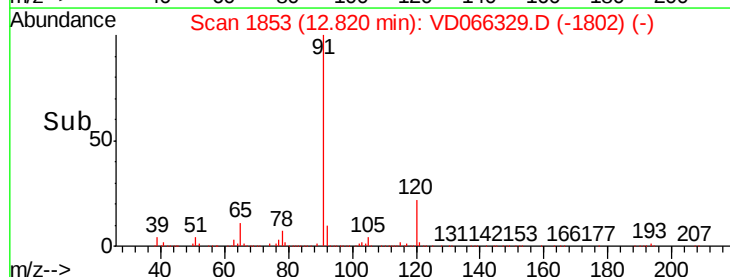
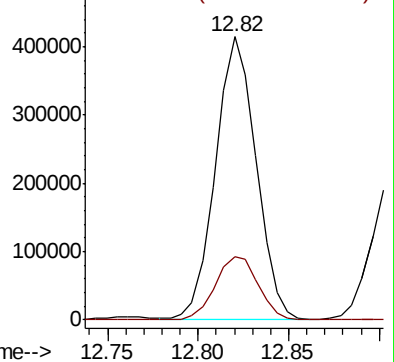
91 100

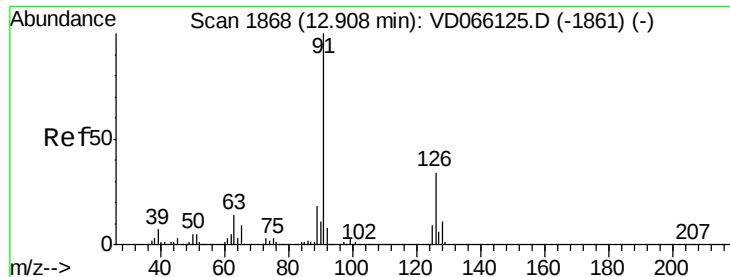
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.080 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

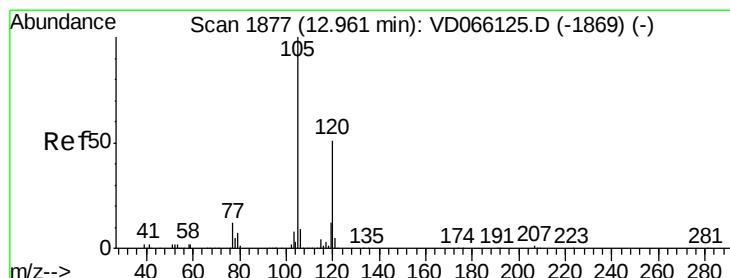
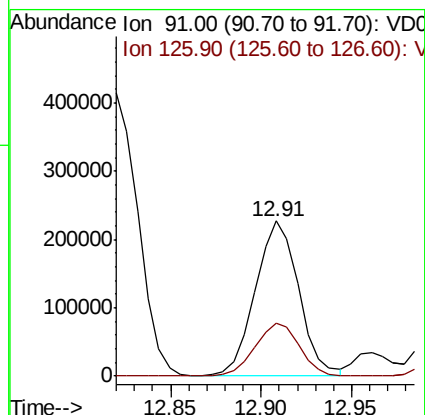
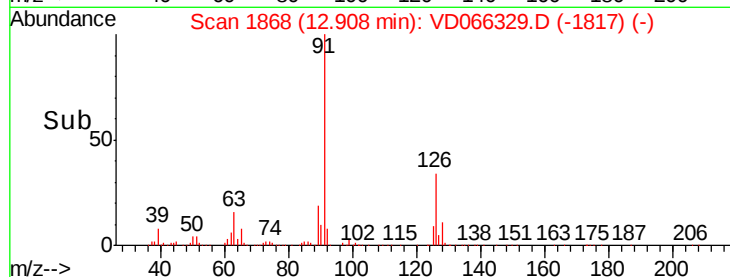
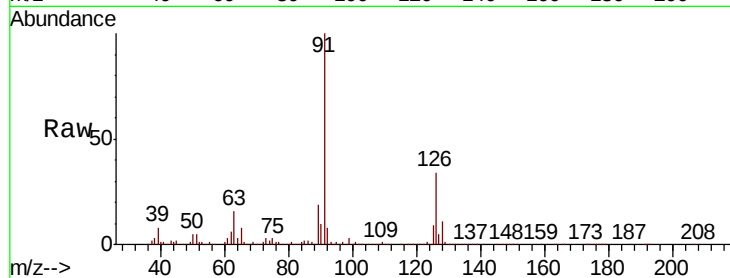
VSTDCCC050EC

Tot Ion: 91 Resp: 374734

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 52.966 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066329.D

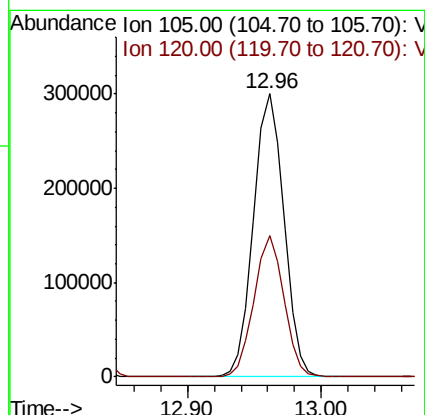
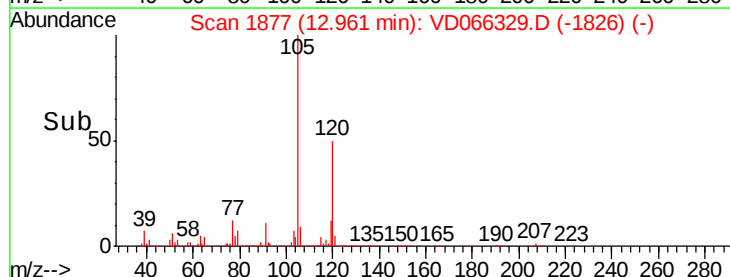
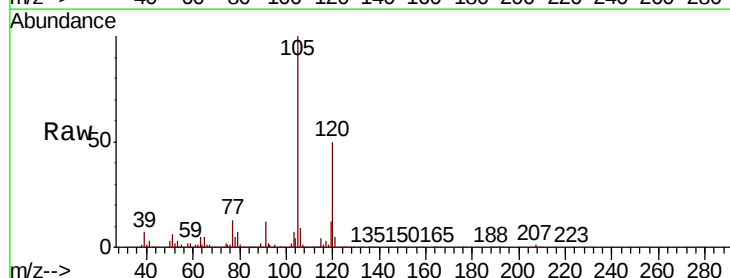
Acq: 19 Aug 2020 20:02

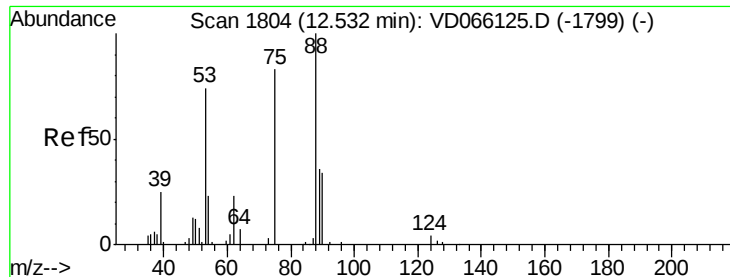
Tgt Ion: 105 Resp: 470372

Ion Ratio Lower Upper

105 100

120 49.3 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.323 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

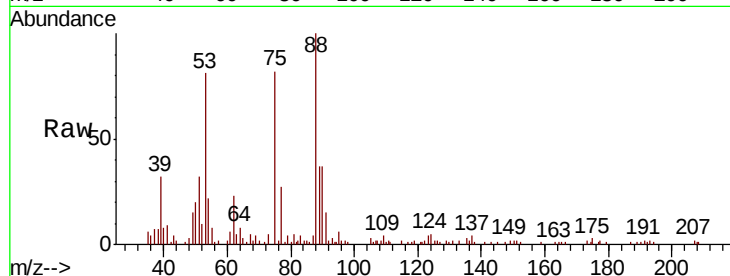
Tot Ion: 75 Resp: 30200

Ion Ratio Lower Upper

75 100

53 103.4 73.4 110.2

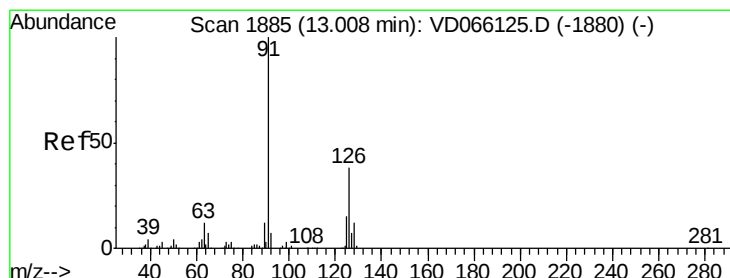
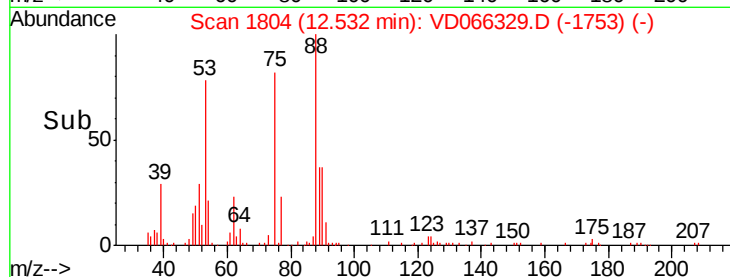
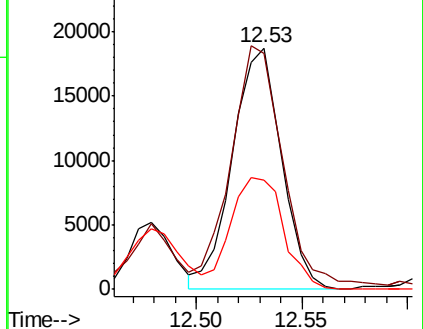
89 50.1 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.563 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066329.D

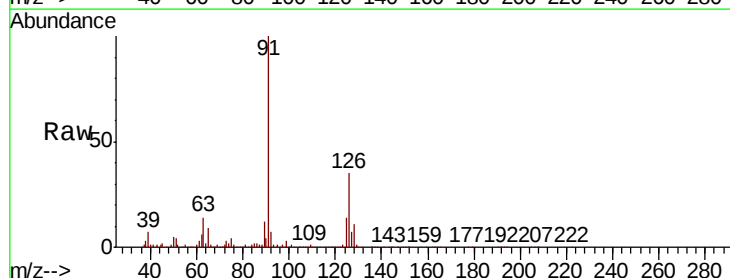
Acq: 19 Aug 2020 20:02

Tgt Ion: 91 Resp: 384276

Ion Ratio Lower Upper

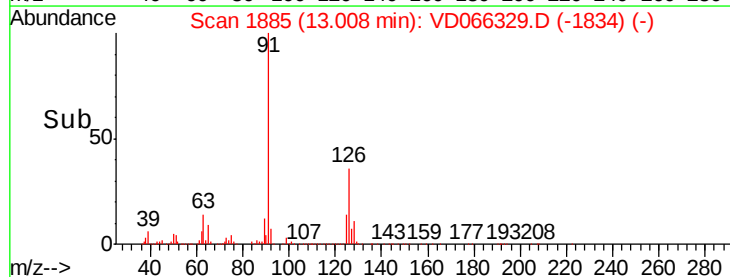
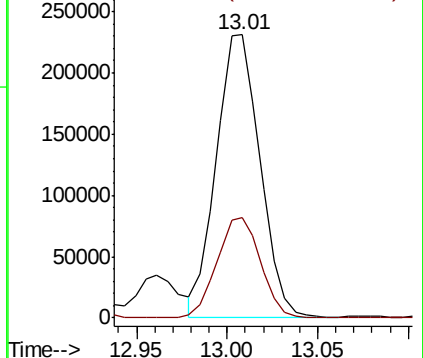
91 100

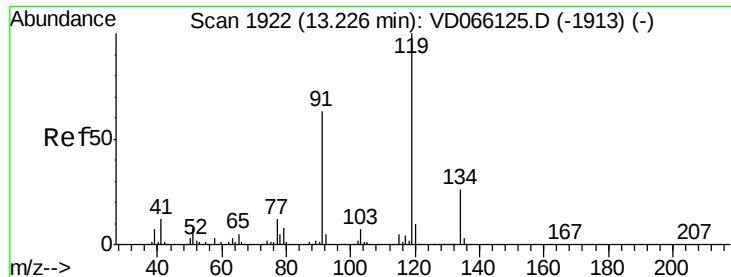
126 35.6 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

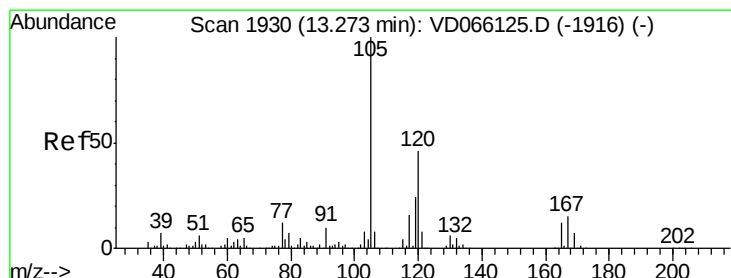
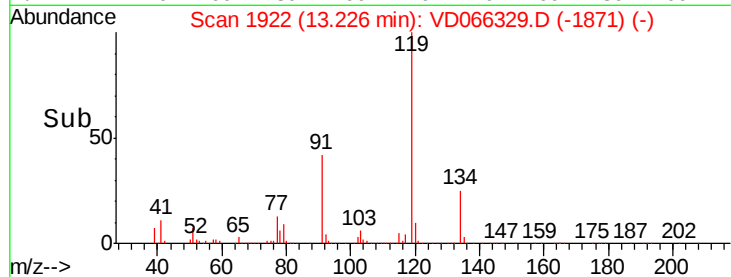
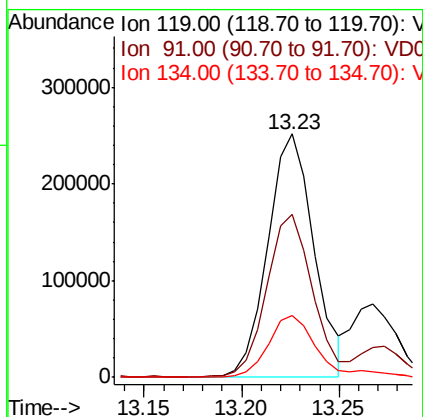
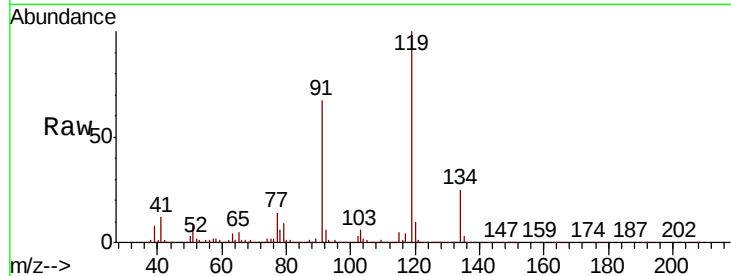




#83
 tert-Butylbenzene
 Concen: 52.624 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

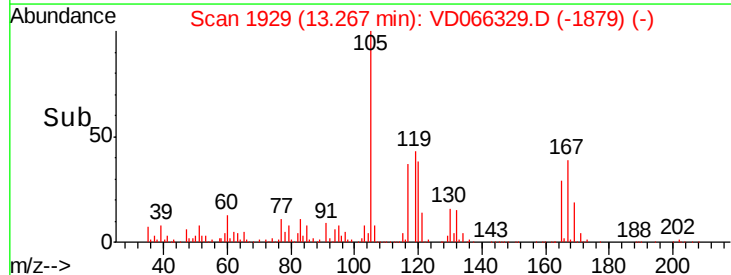
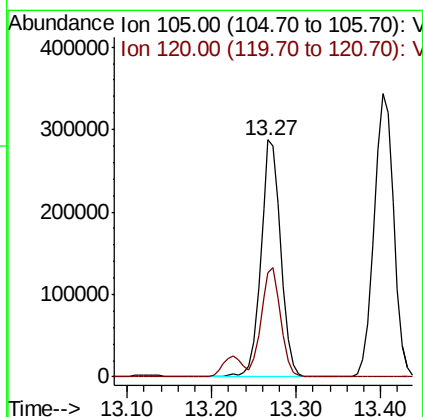
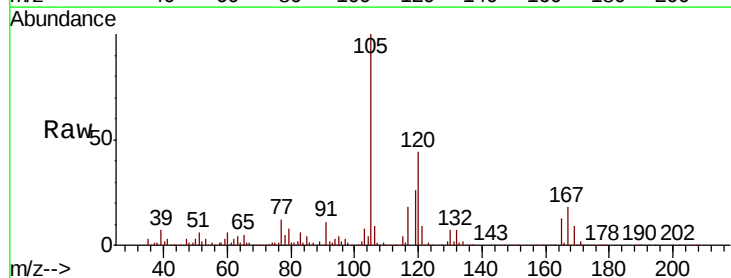
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

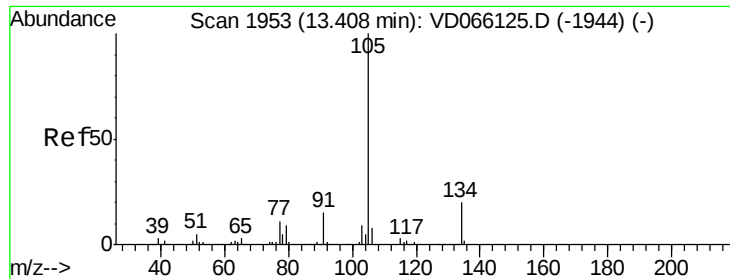
Tot Ion:119 Resp: 410994
 Ion Ratio Lower Upper
 119 100
 91 66.8 30.8 92.4
 134 27.5 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.797 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion:105 Resp: 469229
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 52.095 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

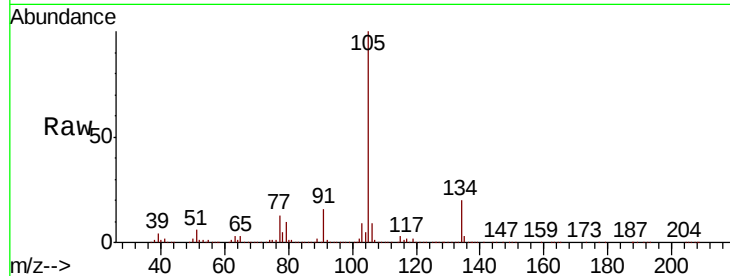
VSTDCCC050EC

Tot Ion:105 Resp: 549308

Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

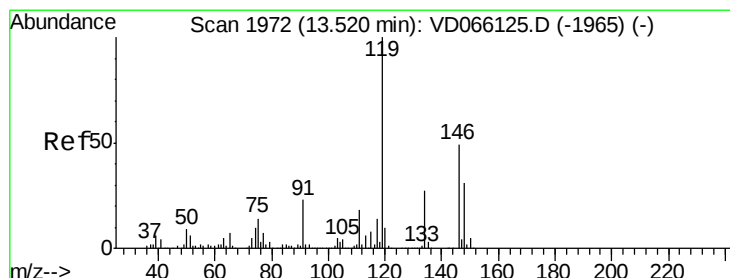
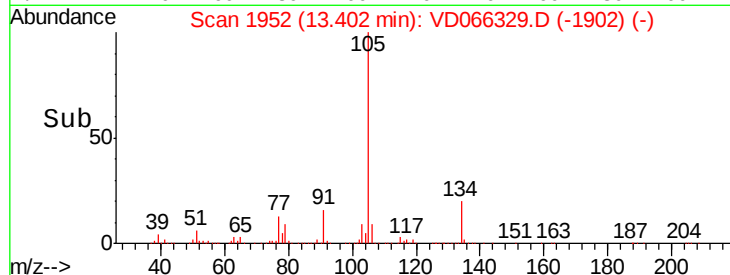
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.234 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066329.D

Acq: 19 Aug 2020 20:02

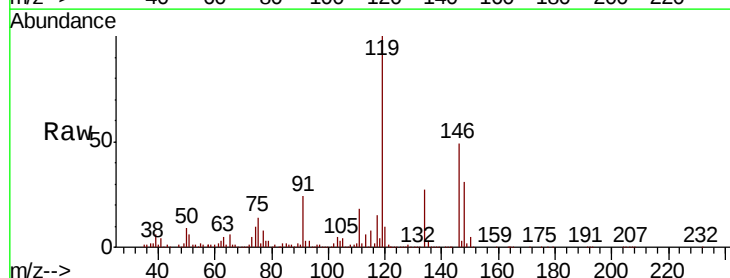
Tgt Ion:119 Resp: 516579

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 23.8 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

400000

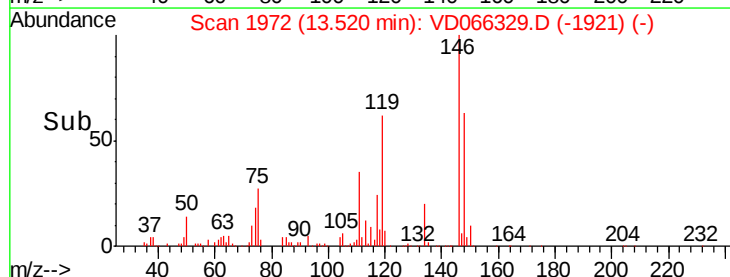
300000

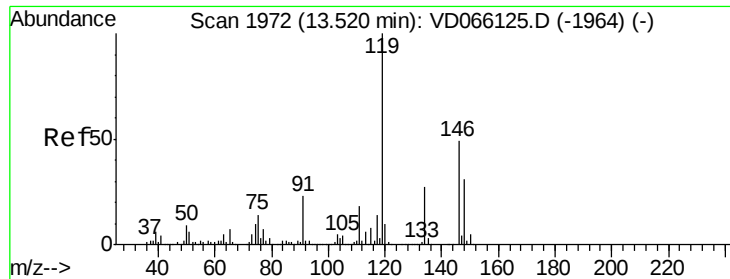
200000

100000

0

Time-->

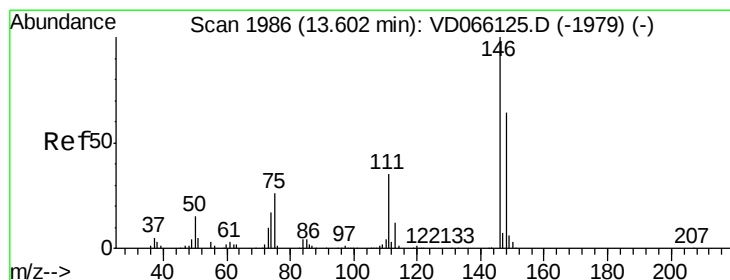
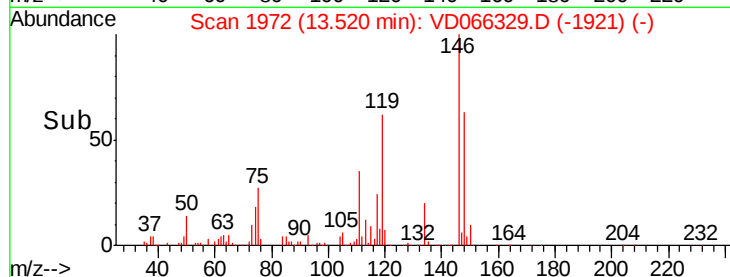
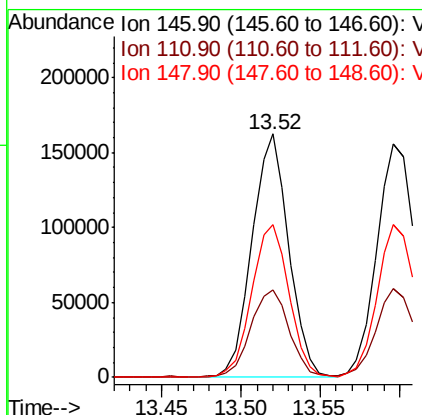
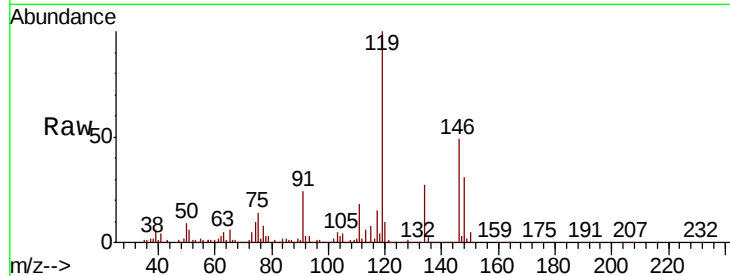




#87
 1,3-Dichlorobenzene
 Concen: 50.965 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

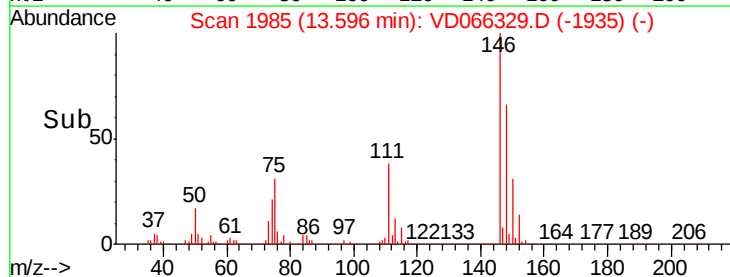
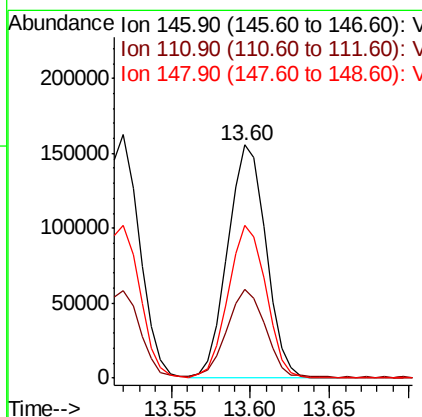
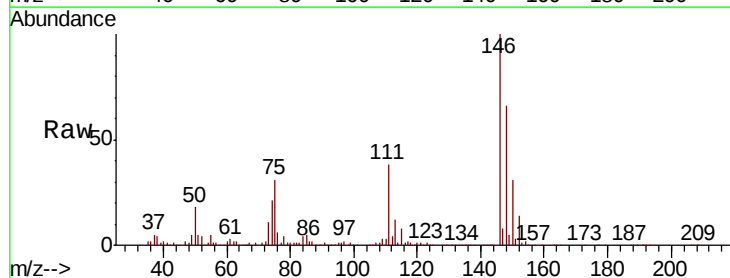
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

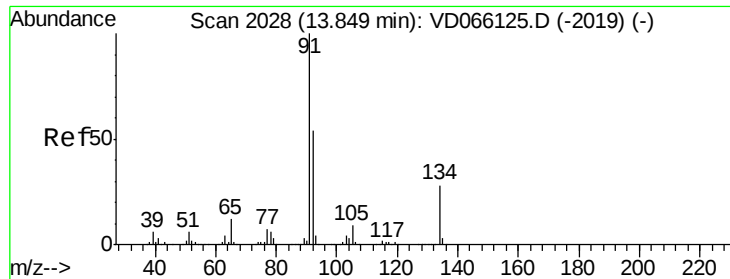
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	63.9	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 50.963 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.8
148	64.5	32.4	97.0

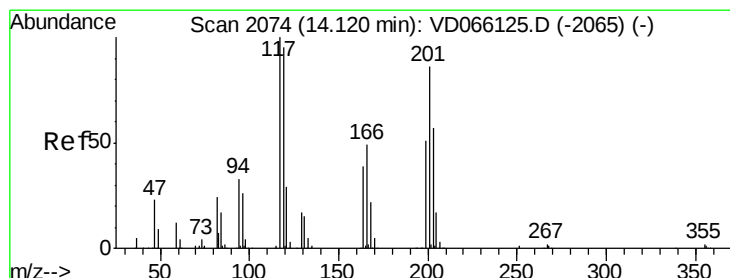
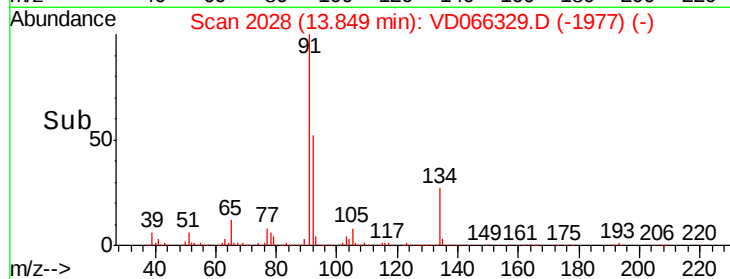
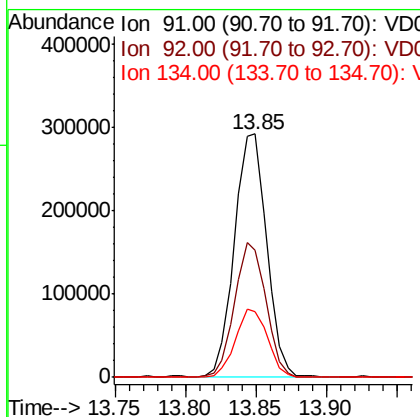
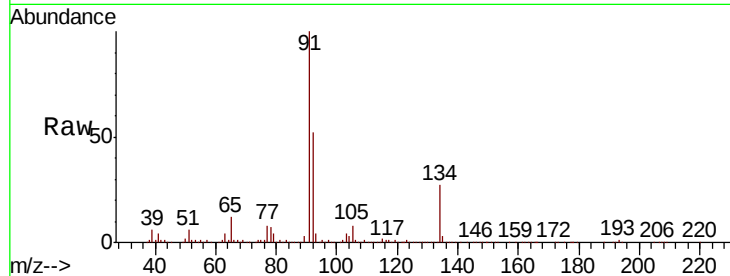




#89
n-Butylbenzene
Concen: 52.359 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

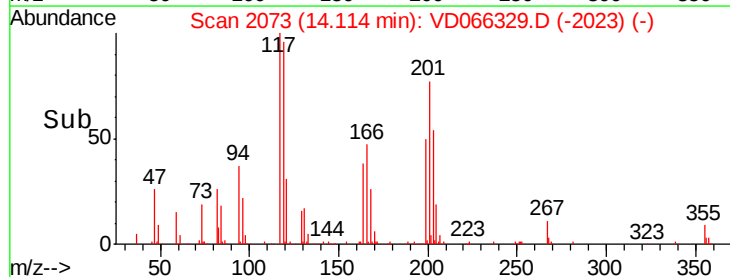
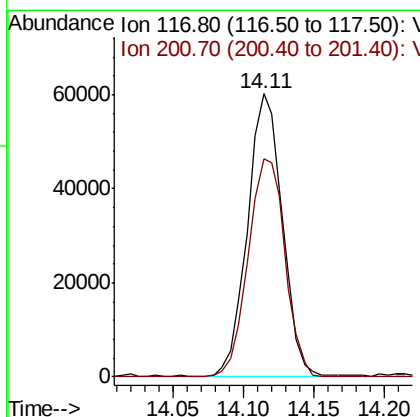
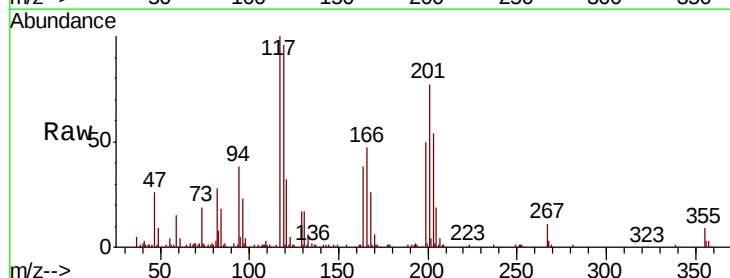
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

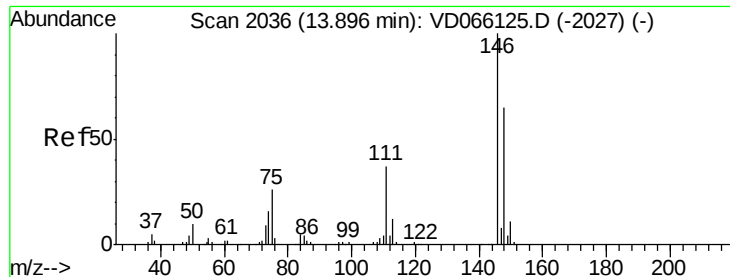
Tot Ion: 91 Resp: 463943
Ion Ratio Lower Upper
91 100
92 54.1 26.8 80.3
134 28.2 14.0 41.9



#90
Hexachloroethane
Concen: 52.621 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion: 117 Resp: 103791
Ion Ratio Lower Upper
117 100
201 81.6 42.7 128.1

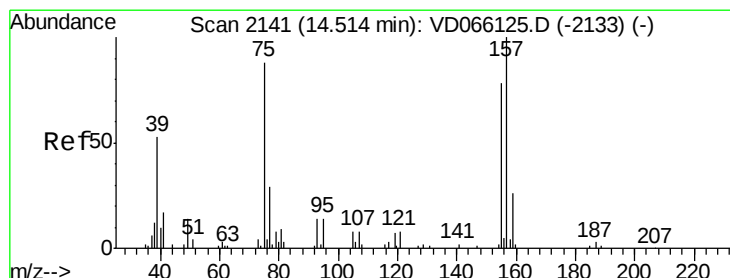
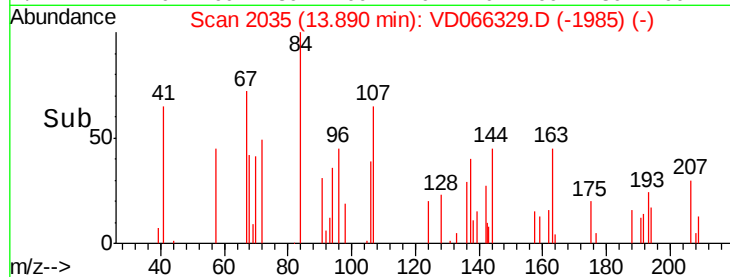
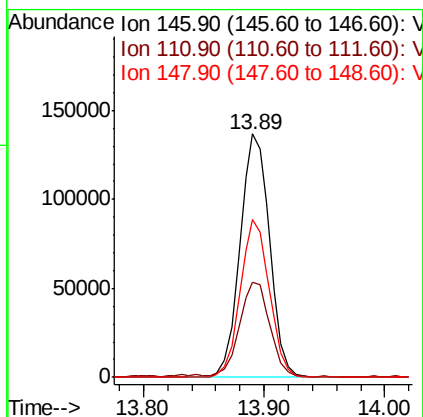
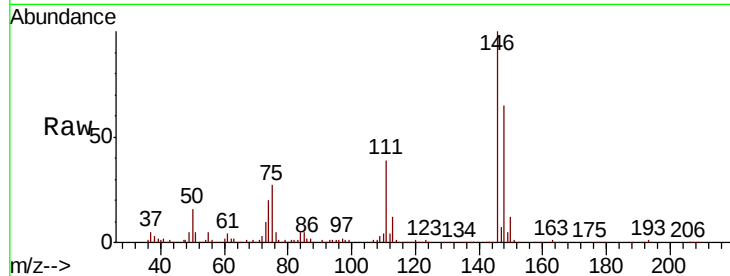




#91
 1,2-Dichlorobenzene
 Concen: 51.072 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

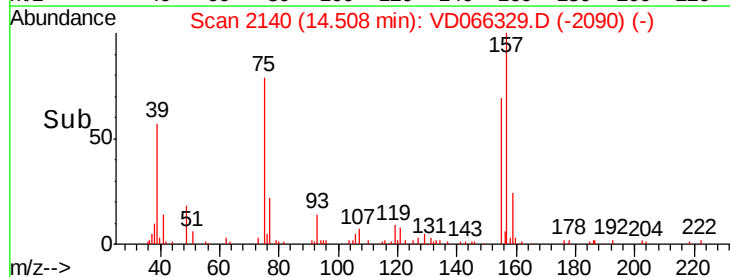
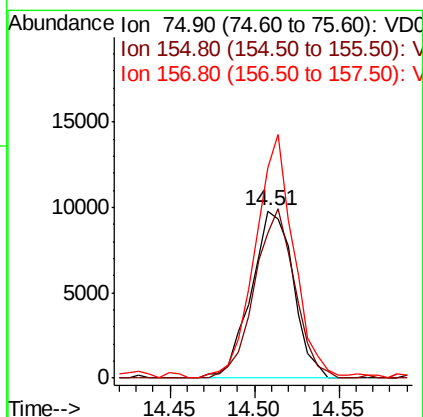
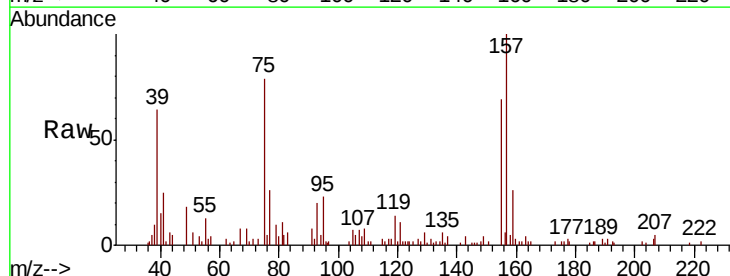
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

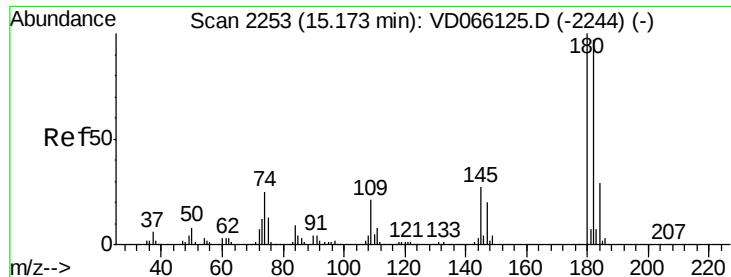
Tot Ion:146 Resp: 232044
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.8 56.3
 148 63.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.672 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion: 75 Resp: 17014
 Ion Ratio Lower Upper
 75 100
 155 96.5 47.7 143.1
 157 133.3 62.1 186.2

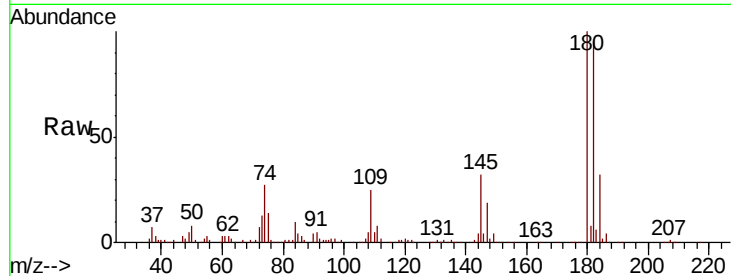




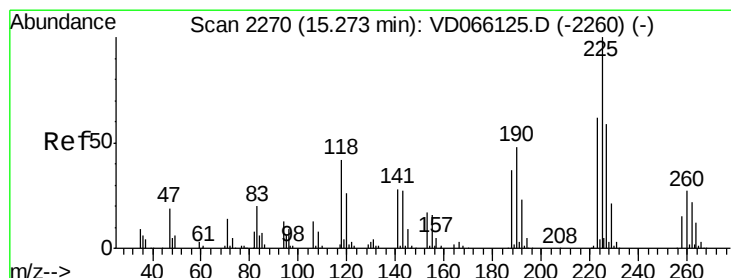
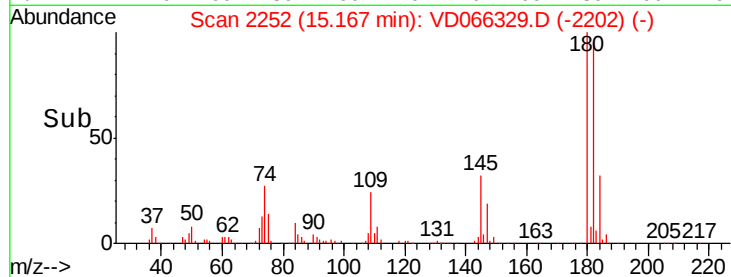
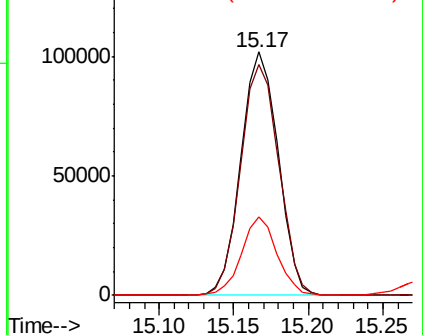
#93
 1,2,4-Trichlorobenzene
 Concen: 52.717 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.4	142.2
145	30.7	14.5	43.6

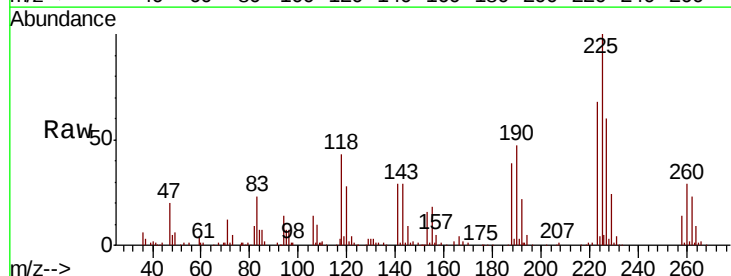


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

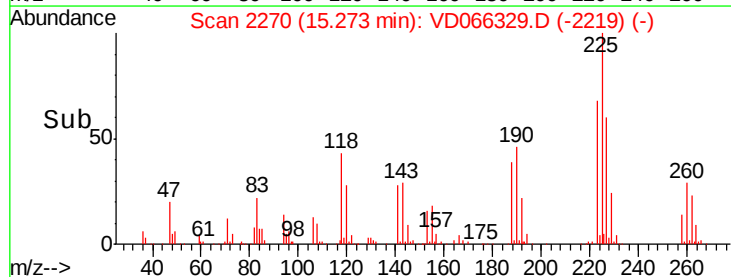
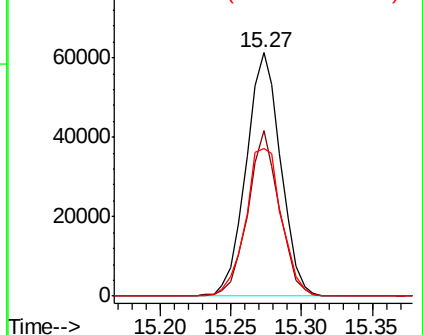


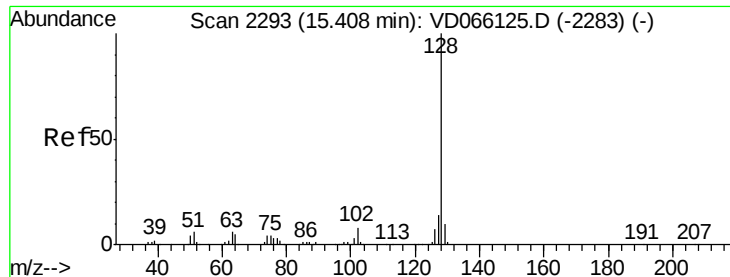
#94
 Hexachlorobutadiene
 Concen: 53.241 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066329.D
 Acq: 19 Aug 2020 20:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.3	96.9
227	63.2	32.1	96.5



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

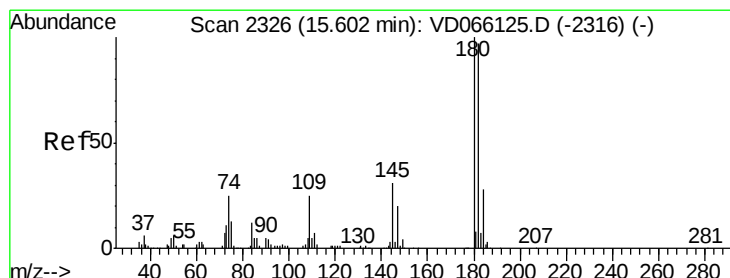
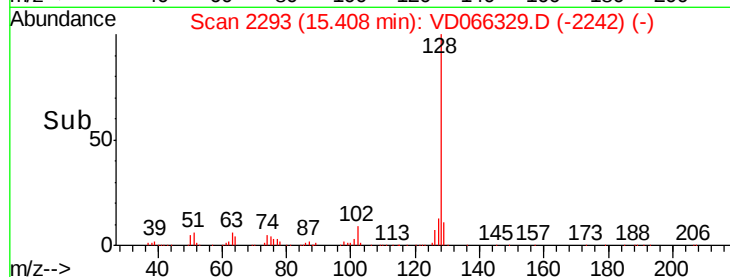
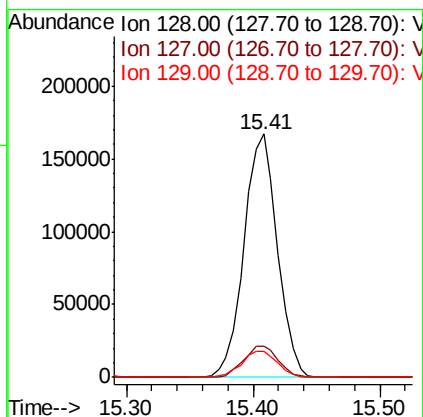
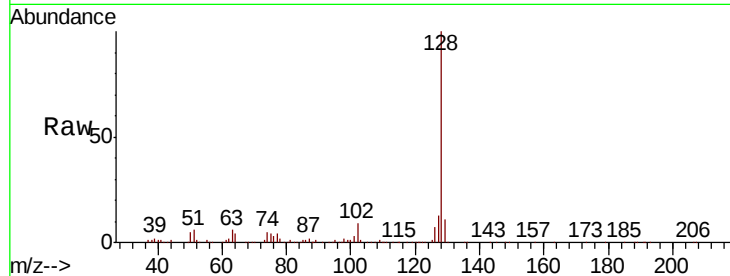




#95
Naphthalene
Concen: 55.986 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 305443
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.4
129 11.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.756 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066329.D
Acq: 19 Aug 2020 20:02

Tgt Ion:180 Resp: 152977
Ion Ratio Lower Upper
180 100
182 96.0 47.1 141.4
145 32.8 14.9 44.9

