

Data File : VW017329.D
Acq On : 18 Nov 2020 15:28
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

Quant Time: Nov 19 04:59:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 18 15:50:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	392807	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	360854	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	187254	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	120552	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.92%
7) Chloroethane-d5	2.89	69	102182	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.48%
10) 1,1-Dichloroethene-d2	4.03	63	225078	22.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.52%
20) 2-Butanone-d5	7.08	46	44933	47.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.10%
24) Chloroform-d	7.65	84	241767	23.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.72%
26) 1,2-Dichloroethane-d4	8.31	65	118106	23.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.76%
29) Benzene-d6	8.28	84	469164	23.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.24%
33) 1,2-Dichloropropane-d6	9.27	67	128129	23.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.56%
37) Toluene-d8	10.33	98	446810	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.32%
38) trans-1,3-Dichloropropene-	10.58	79	56432	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.68%
39) 2-Hexanone-d5	10.93	63	35891	49.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99614	24.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	164168	23.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	84836	23.244	ug/L	93
3) Chloromethane	2.21	50	93364	23.524	ug/L	98
5) Vinyl chloride	2.37	62	141451	24.267	ug/L	99
6) Bromomethane	2.79	94	106244	24.274	ug/L	100
8) Chloroethane	2.93	64	88609	24.288	ug/L	98
9) Trichlorofluoromethane	3.27	101	126312	24.354	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	130018	24.155	ug/L	98
12) 1,1-Dichloroethene	4.04	96	126858	24.539	ug/L	90
13) Acetone	4.13	43	32547	46.709	ug/L	97
14) Carbon disulfide	4.39	76	379017	24.960	ug/L	99
15) Methyl Acetate	4.67	43	39289	25.745	ug/L	96
16) Methylene chloride	4.92	84	150520	22.402	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	159188	26.133	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	133728	24.169	ug/L	97
19) 1,1-Dichloroethane	6.23	63	210662	24.889	ug/L	100
21) 2-Butanone	7.17	43	51484	48.198	ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	140991	25.089	ug/L	98

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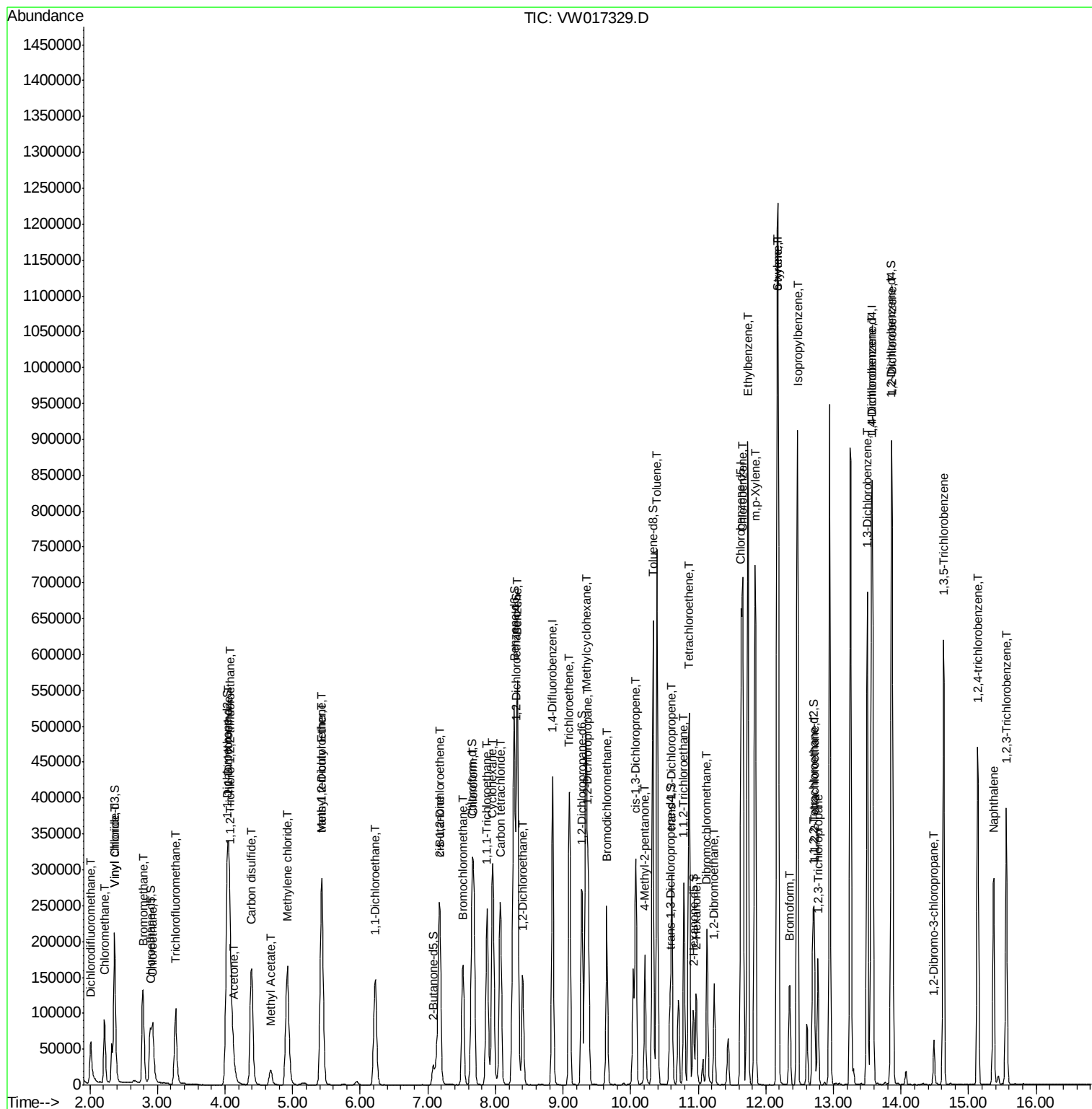
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	66841	25.350	ug/L	99
25) Chloroform	7.68	83	235043	24.831	ug/L	100
27) 1,2-Dichloroethane	8.40	62	140831	25.673	ug/L	96
30) Cyclohexane	7.96	56	174870	24.182	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	207031	24.515	ug/L	100
32) Carbon tetrachloride	8.07	117	196635	24.396	ug/L	99
34) Benzene	8.33	78	507940	24.917	ug/L	100
35) Trichloroethene	9.09	95	139775	24.239	ug/L	98
36) Methylcyclohexane	9.34	83	217313	23.587	ug/L	99
40) 1,2-Dichloropropane	9.37	63	114644	24.863	ug/L	99
41) Bromodichloromethane	9.65	83	165643	25.578	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	184462	25.775	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	109560	47.871	ug/L	99
44) Toluene	10.39	91	559056	24.723	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	160529	26.475	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	93522	25.745	ug/L	95
47) Tetrachloroethene	10.87	164	121736	23.284	ug/L	97
49) 2-Hexanone	10.97	43	72914	52.933	ug/L	96
50) Dibromochloromethane	11.13	129	117409	25.278	ug/L	98
51) 1,2-Dibromoethane	11.24	107	92034	25.828	ug/L	96
52) Chlorobenzene	11.66	112	375425	24.933	ug/L	98
53) Ethylbenzene	11.73	91	626286	24.698	ug/L	97
54) m,p-Xylene	11.84	106	242190	24.786	ug/L	82
55) o-xylene	12.17	106	231878	25.007	ug/L	92
56) Styrene	12.18	104	391240	25.452	ug/L	99
57) Isopropylbenzene	12.47	105	620254	24.426	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	100711	25.596	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	71511	25.167	ug/L	99
62) Bromoform	12.35	173	68255	25.906	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	288962	23.680	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	289936	24.080	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	263992	24.890	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	14914	25.229	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	200382	22.570	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	156633	22.988	ug/L	96
69) Naphthalene	15.37	128	258911	26.468	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	144384	24.087	ug/L	96

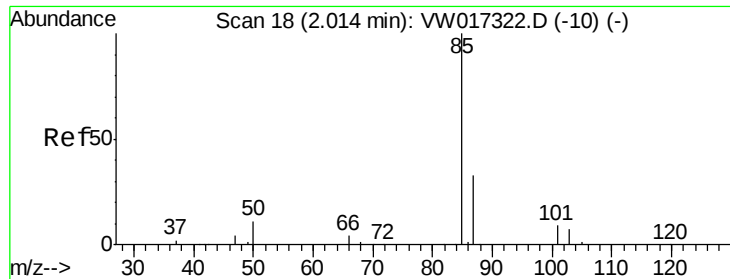
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.244 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

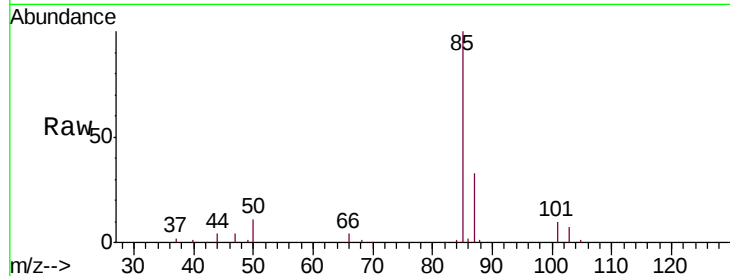
VSTD02512

Tgt Ion: 85 Resp: 84836

Ion Ratio Lower Upper

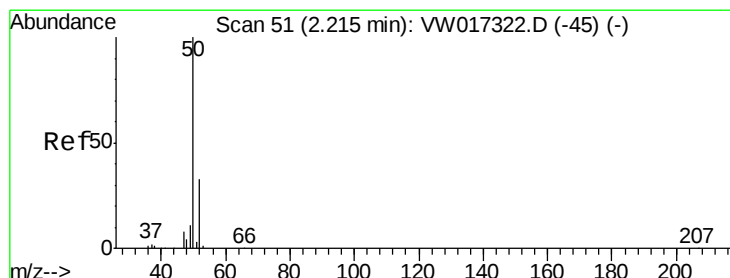
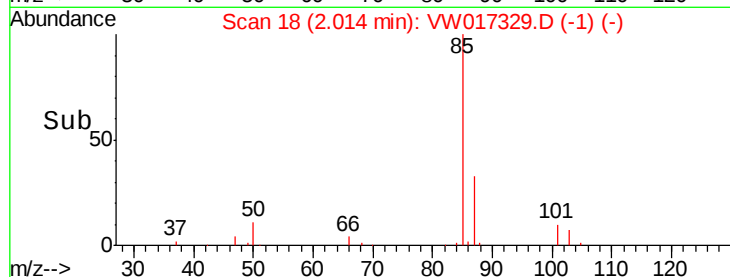
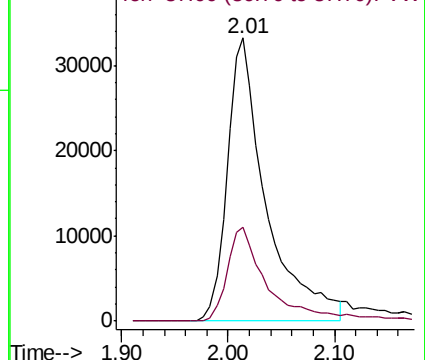
85 100

87 34.8 21.8 40.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.524 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017329.D

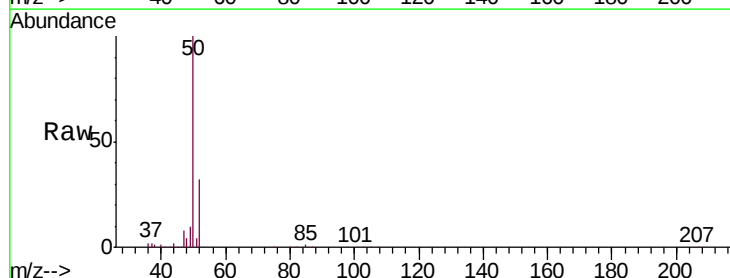
Acq: 18 Nov 2020 15:28

Tgt Ion: 50 Resp: 93364

Ion Ratio Lower Upper

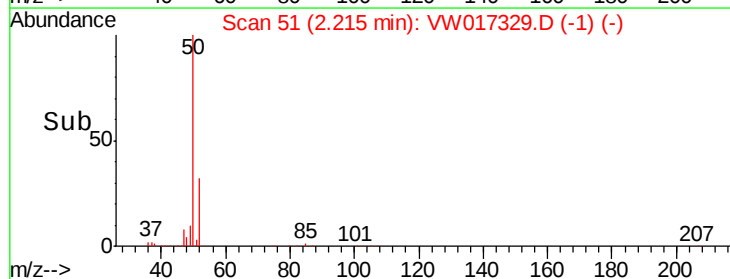
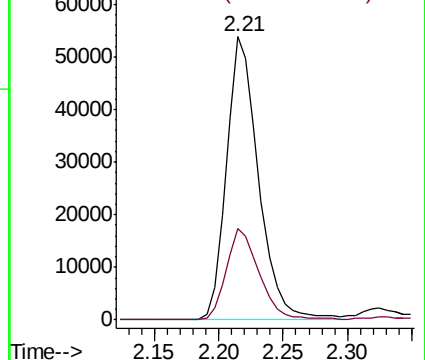
50 100

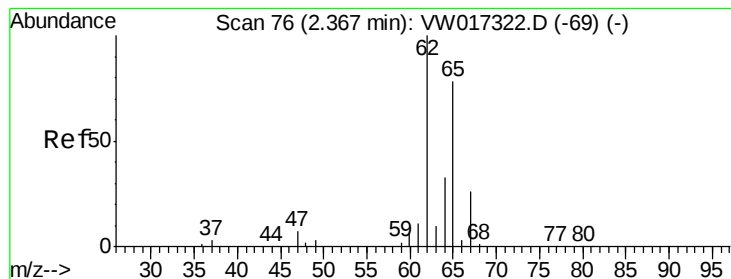
52 32.1 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.267 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017329.D

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Instrument :

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ClientSampleId :

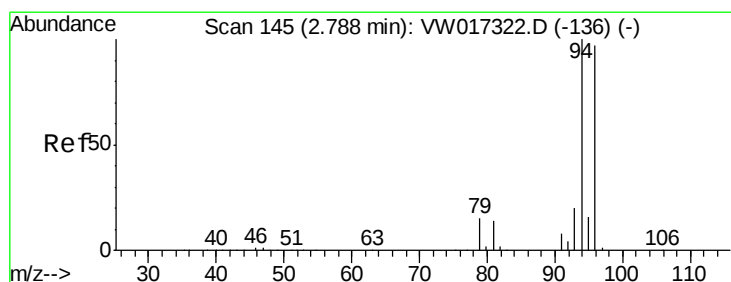
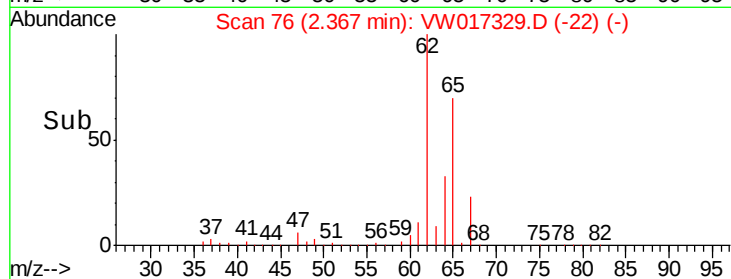
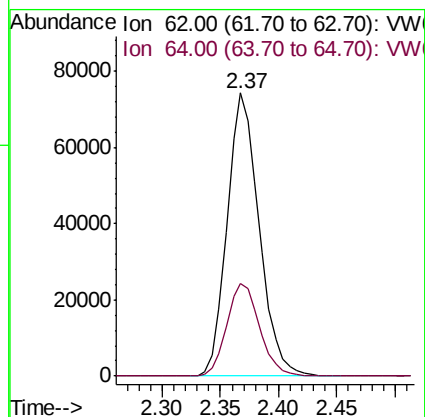
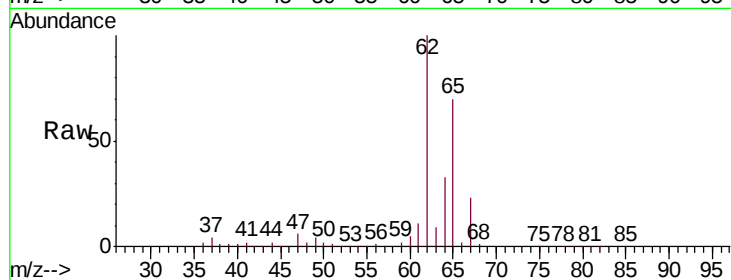
VSTD02512

Tgt Ion: 62 Resp: 141451

Ion Ratio Lower Upper

62 100

64 32.6 23.4 43.4



#6

Bromomethane

Concen: 24.274 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW017329.D

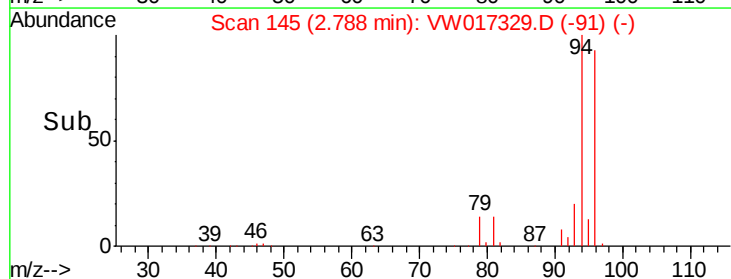
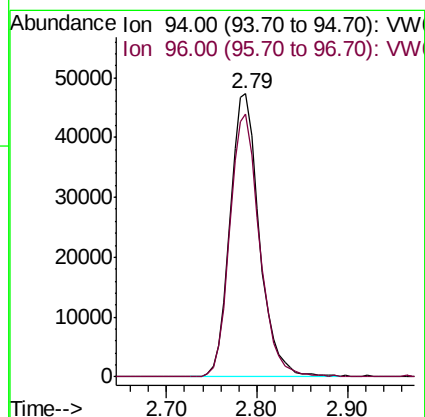
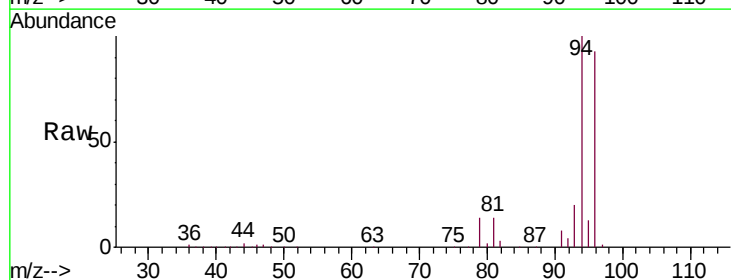
Acq: 18 Nov 2020 15:28

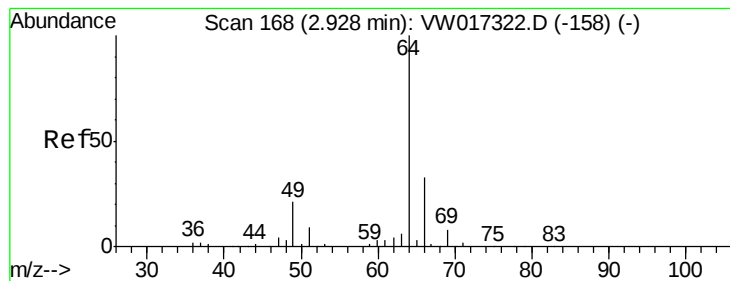
Tgt Ion: 94 Resp: 106244

Ion Ratio Lower Upper

94 100

96 93.8 9.4 178.6





#8

Chloroethane

Concen: 24.288 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

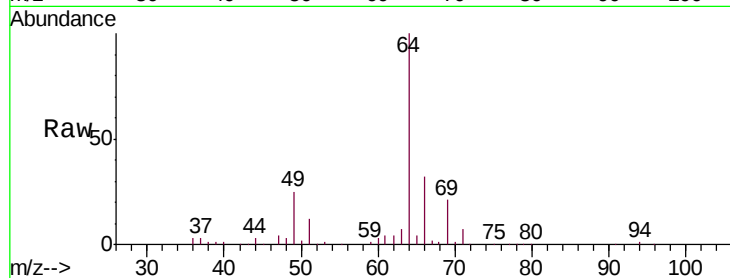
VSTD02512

Tgt Ion: 64 Resp: 88609

Ion Ratio Lower Upper

64 100

66 31.8 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.93

40000

30000

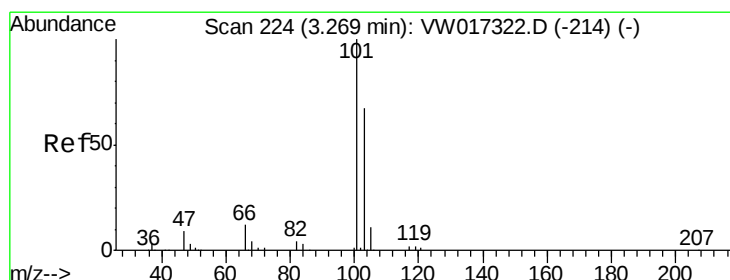
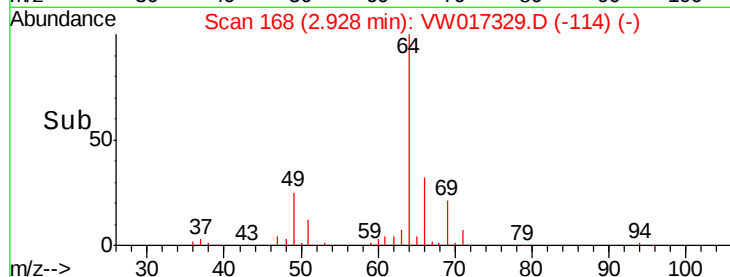
20000

10000

0

2.90 3.00

Time-->



#9

Trichlorofluoromethane

Concen: 24.354 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW017329.D

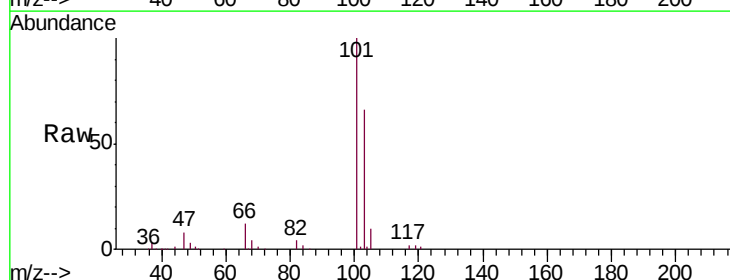
Acq: 18 Nov 2020 15:28

Tgt Ion: 101 Resp: 126312

Ion Ratio Lower Upper

101 100

103 63.6 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.27

50000

40000

30000

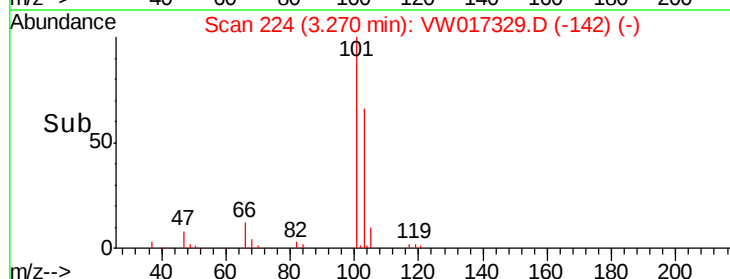
20000

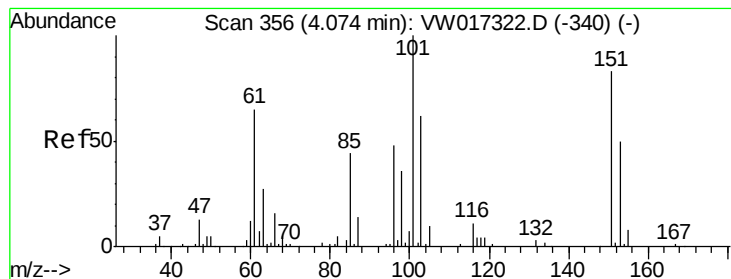
10000

0

3.20 3.30 3.40

Time-->





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 24.155 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

VSTD02512

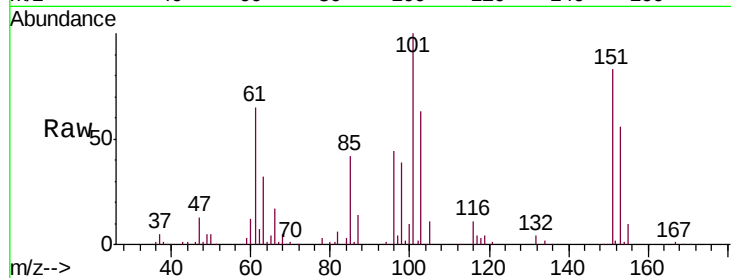
Tgt Ion: 101 Resp: 130018

Ion Ratio Lower Upper

101 100

85 40.5 34.6 51.8

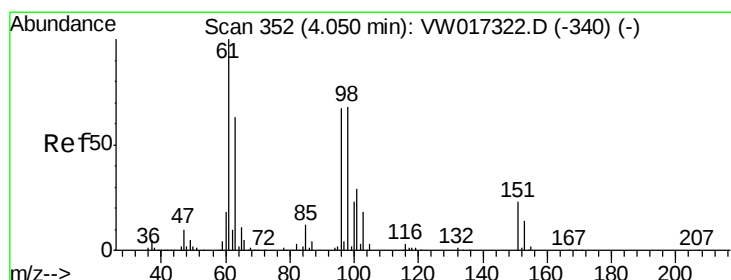
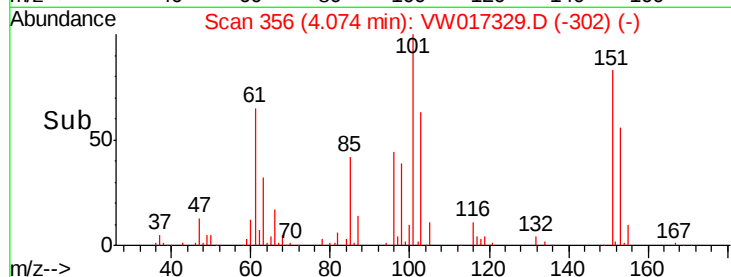
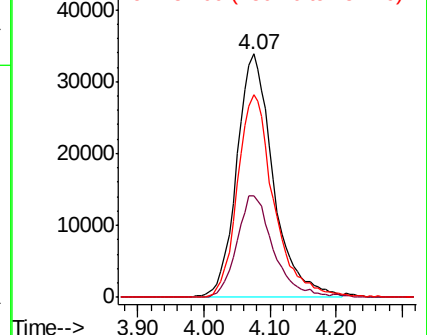
151 82.4 66.3 99.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.539 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

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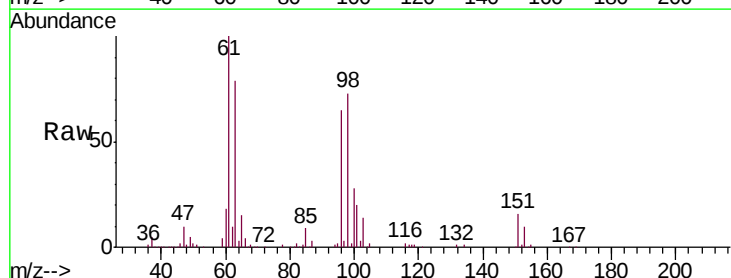
Tgt Ion: 96 Resp: 126858

Ion Ratio Lower Upper

96 100

61 152.9 104.7 194.4

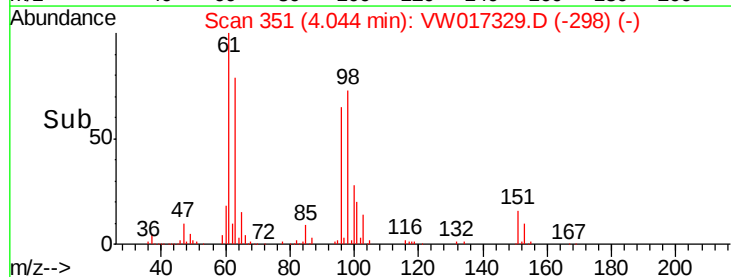
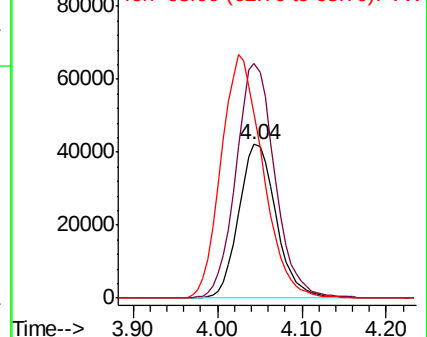
63 120.4 69.6 129.2

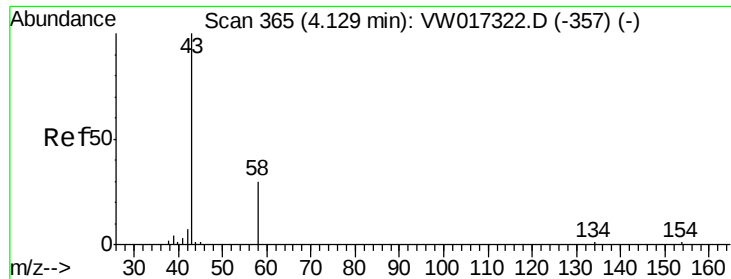


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.709 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

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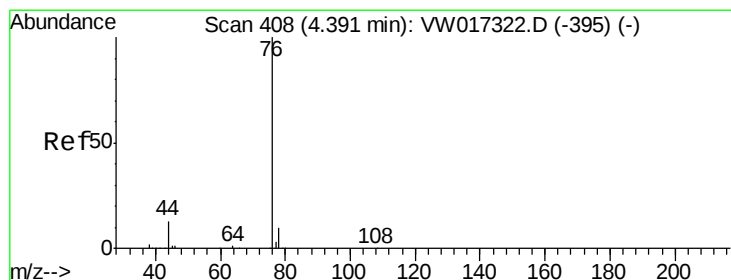
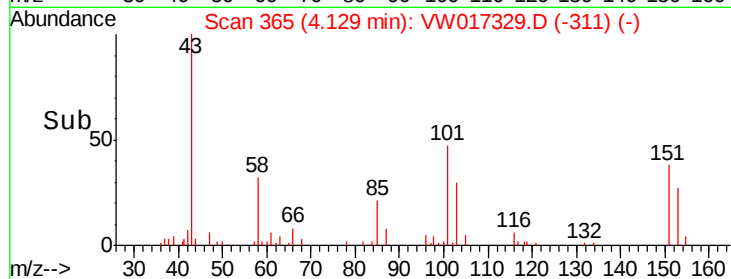
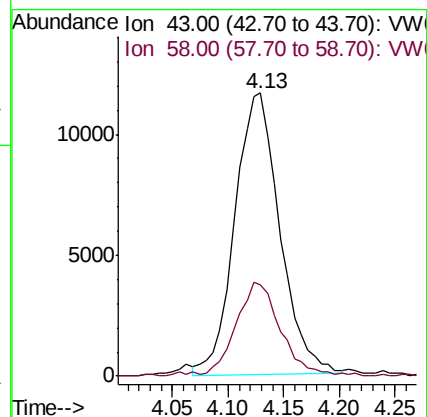
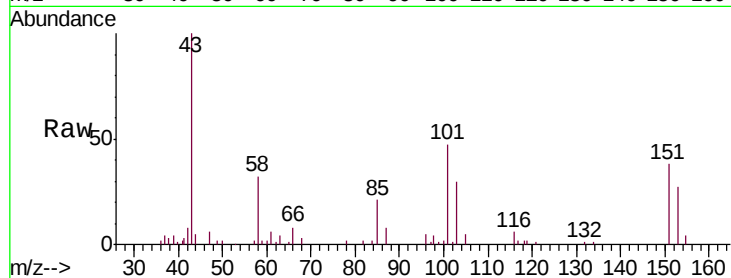
VSTD02512

Tgt Ion: 43 Resp: 32547

Ion Ratio Lower Upper

43 100

58 31.7 0.0 67.0



#14

Carbon disulfide

Concen: 24.960 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

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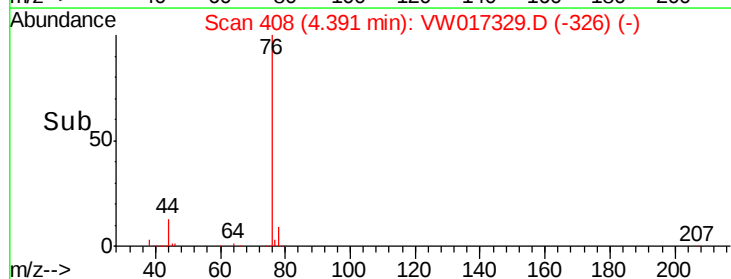
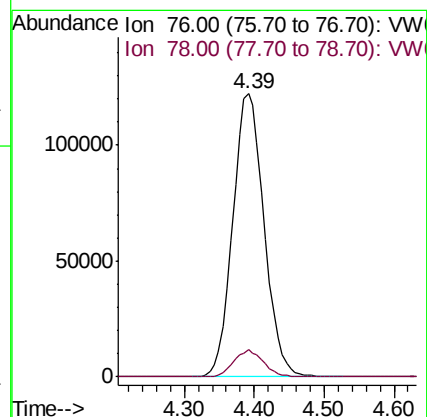
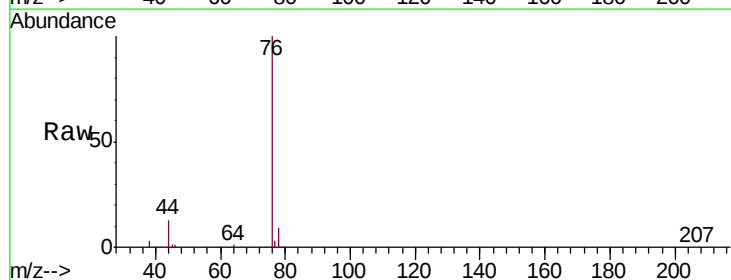
Acq: 18 Nov 2020 15:28

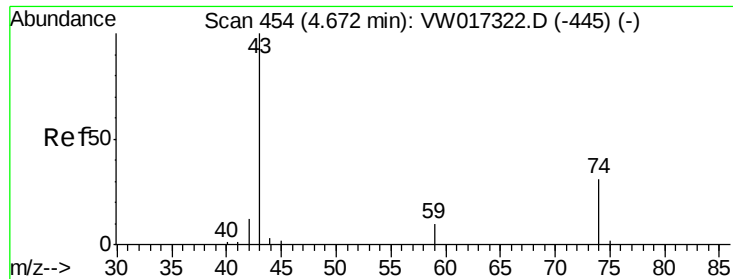
Tgt Ion: 76 Resp: 379017

Ion Ratio Lower Upper

76 100

78 9.5 7.8 11.6

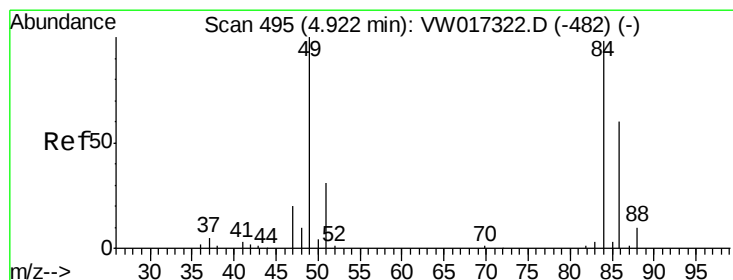
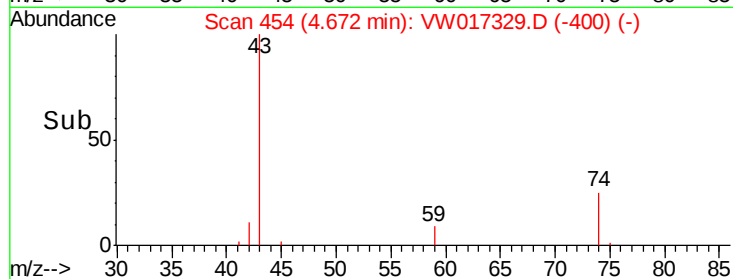
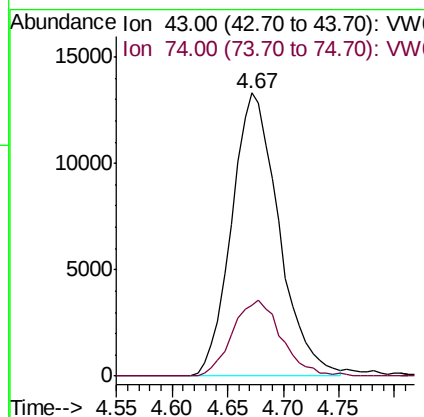
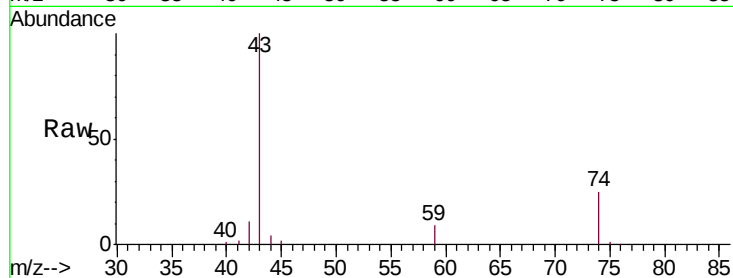




#15
Methyl Acetate
Concen: 25.745 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW017329.D
Acq: 18 Nov 2020 15:28

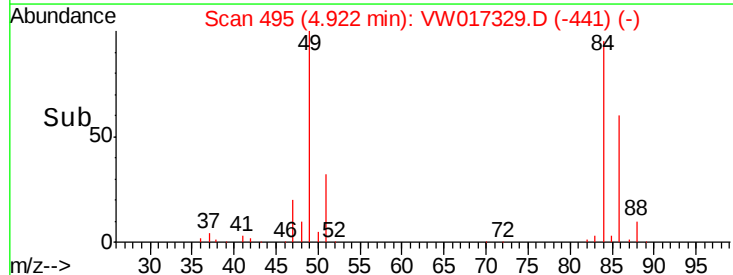
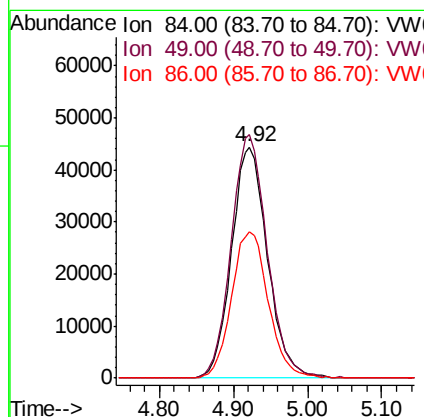
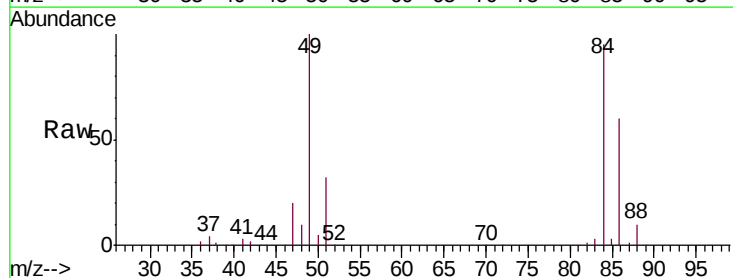
Instrument :
MSVOA_W
ClientSampled :
VSTD02512

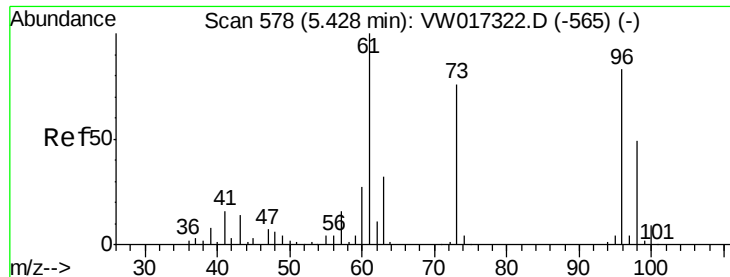
Tgt Ion: 43 Resp: 39289
Ion Ratio Lower Upper
43 100
74 27.6 23.7 35.5



#16
Methylene chloride
Concen: 22.402 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017329.D
Acq: 18 Nov 2020 15:28

Tgt Ion: 84 Resp: 150520
Ion Ratio Lower Upper
84 100
49 105.3 71.5 132.9
86 63.2 42.8 79.4

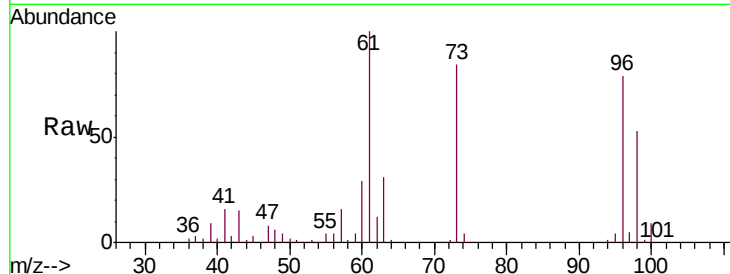




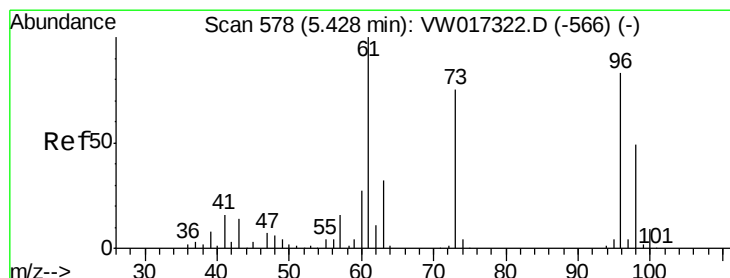
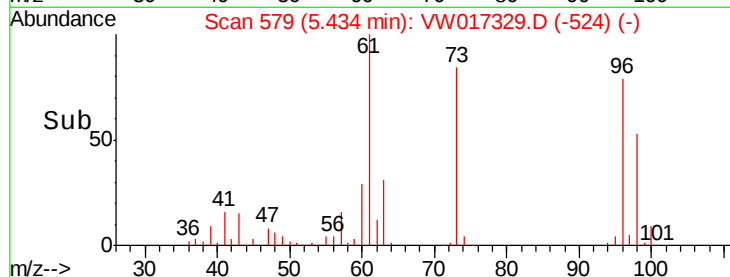
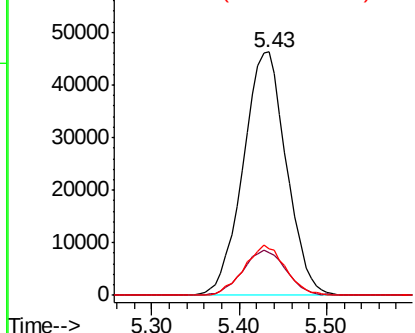
#17
Methyl tert-butyl Ether
Concen: 26.133 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017329.D
Acq: 18 Nov 2020 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

Tgt Ion: 73 Resp: 159188
Ion Ratio Lower Upper
73 100
43 18.8 15.7 23.5
57 19.9 16.3 24.5

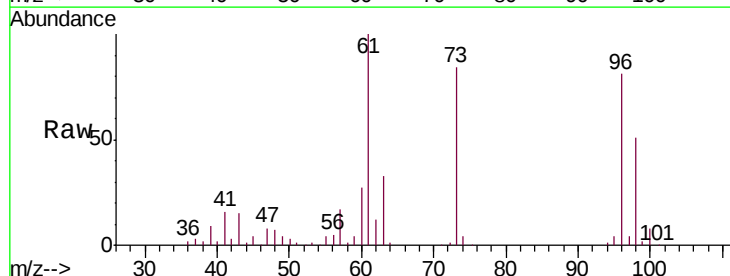


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

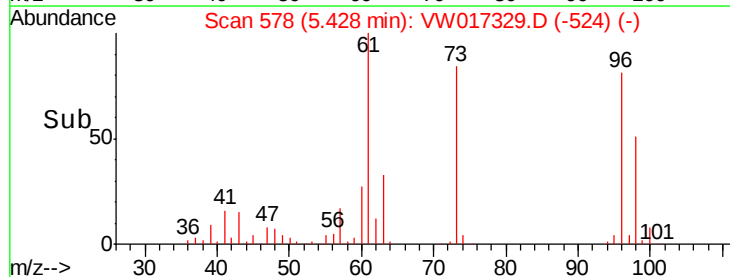
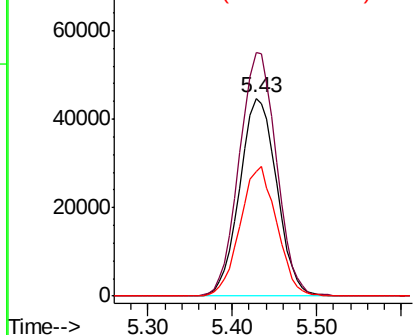


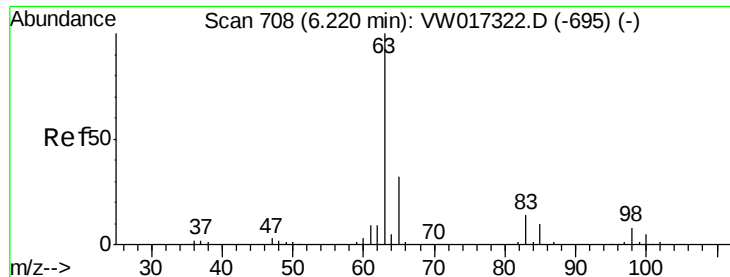
#18
trans-1,2-Dichloroethene
Concen: 24.169 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017329.D
Acq: 18 Nov 2020 15:28

Tgt Ion: 96 Resp: 133728
Ion Ratio Lower Upper
96 100
61 122.9 84.3 156.5
98 63.1 41.5 77.1



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

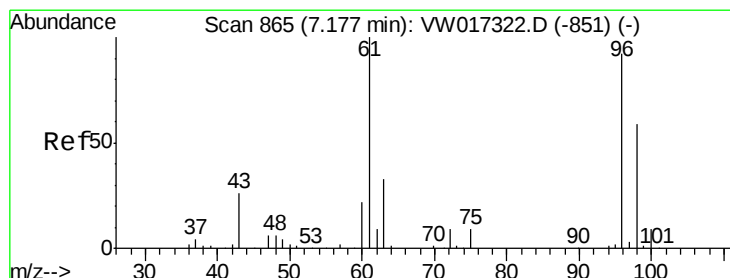
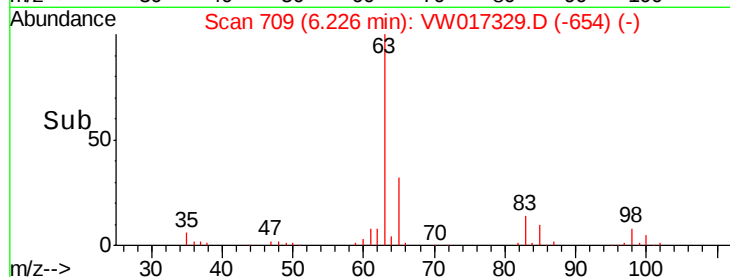
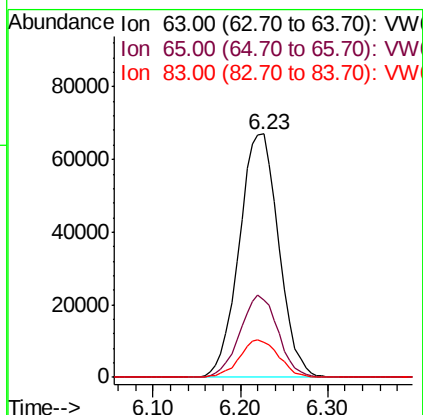
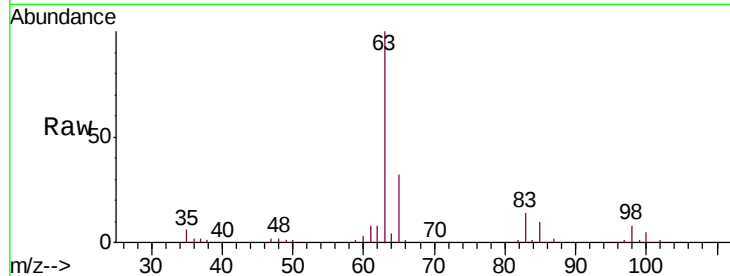




#19
 1,1-Dichloroethane
 Concen: 24.889 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

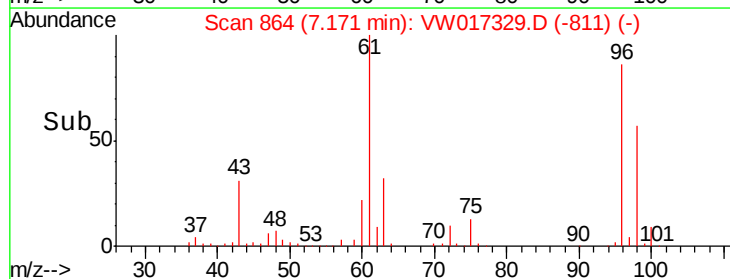
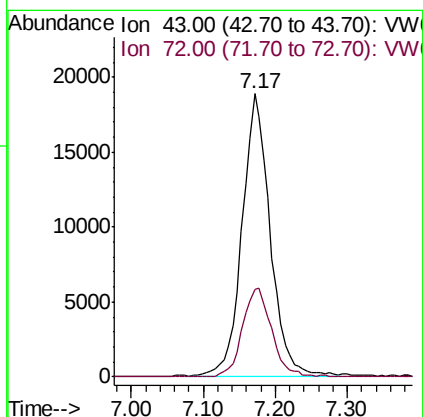
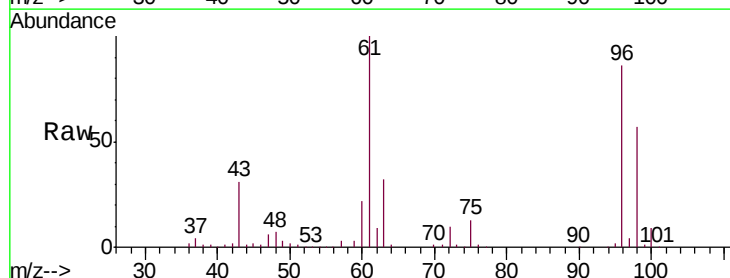
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

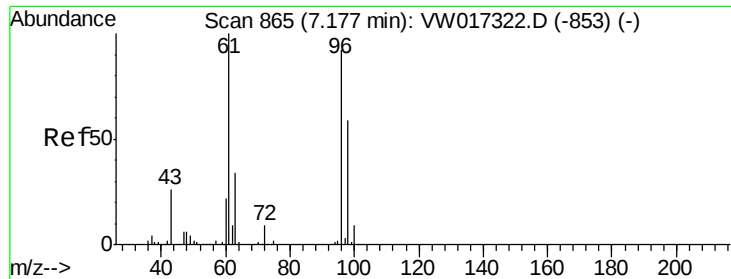
Tgt Ion: 63 Resp: 210662
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.5
 83 14.5 10.1 18.7



#21
 2-Butanone
 Concen: 48.198 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

Tgt Ion: 43 Resp: 51484
 Ion Ratio Lower Upper
 43 100
 72 32.0 16.4 49.1



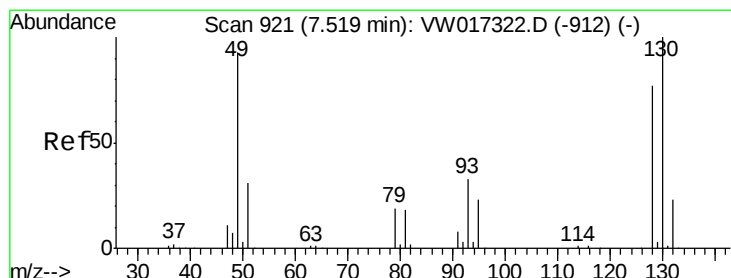
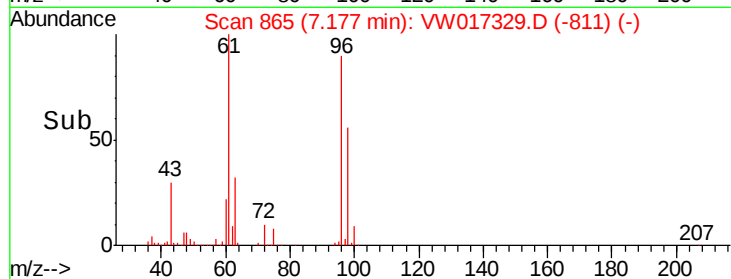
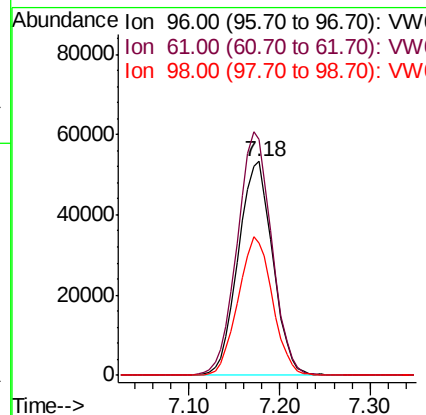
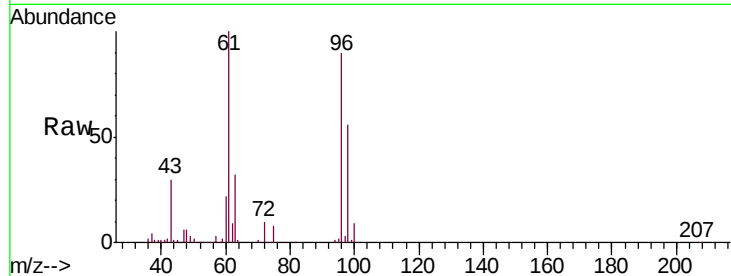


#22

cis-1,2-Dichloroethene
 Concen: 25.089 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

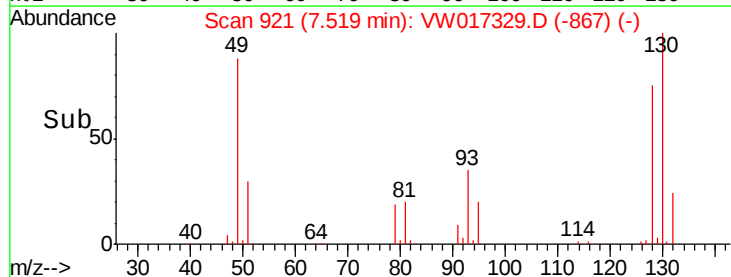
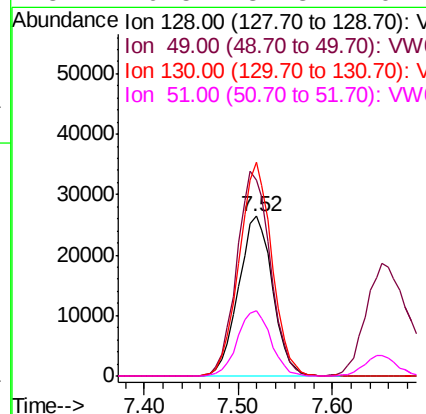
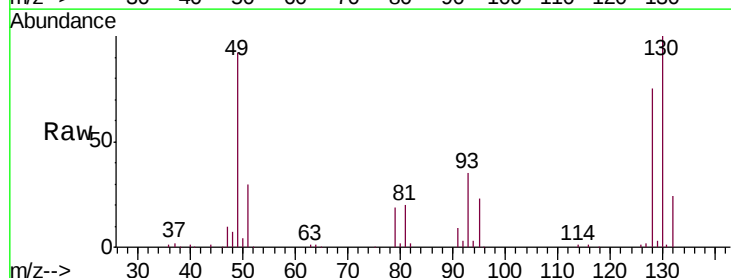
Tgt Ion: 96 Resp: 140991
 Ion Ratio Lower Upper
 96 100
 61 110.5 76.1 141.3
 98 62.0 44.7 82.9

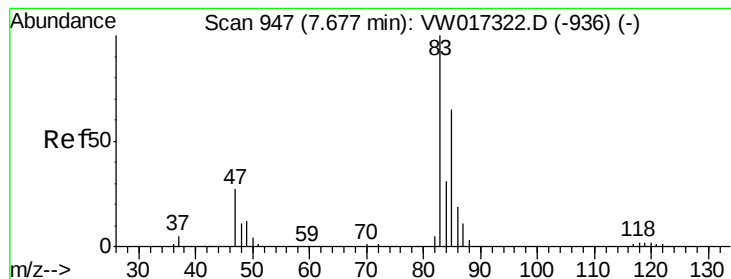


#23

Bromochloromethane
 Concen: 25.350 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

Tgt Ion: 128 Resp: 66841
 Ion Ratio Lower Upper
 128 100
 49 122.7 85.5 158.7
 130 133.5 91.5 169.9
 51 40.5 32.8 49.2





#25

Chloroform

Concen: 24.831 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

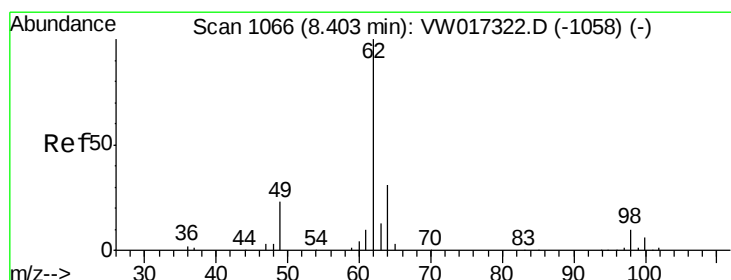
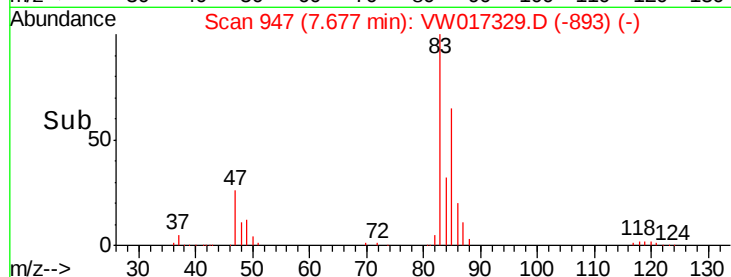
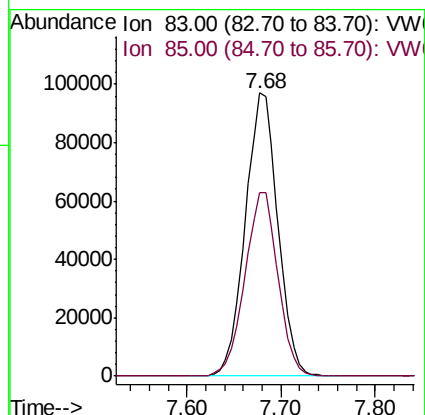
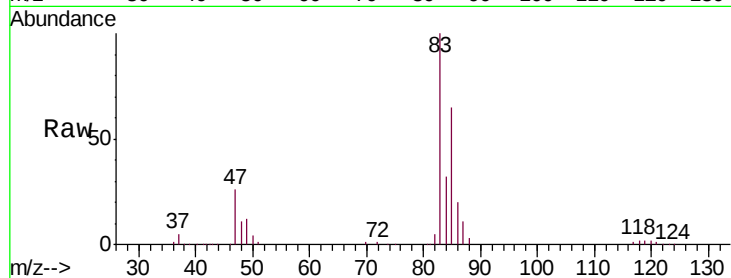
VSTD02512

Tgt Ion: 83 Resp: 235043

Ion Ratio Lower Upper

83 100

85 66.0 46.1 85.5



#27

1,2-Dichloroethane

Concen: 25.673 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017329.D

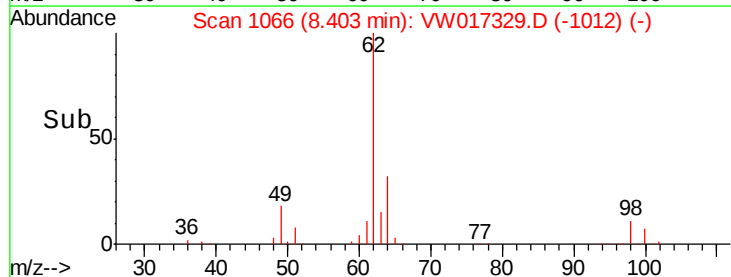
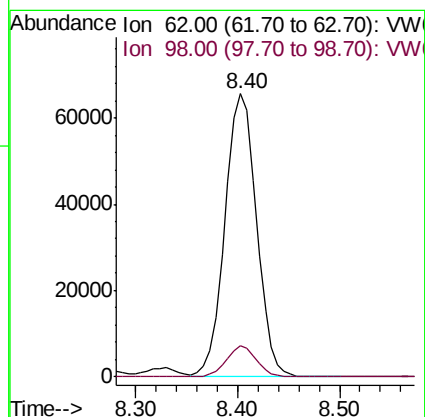
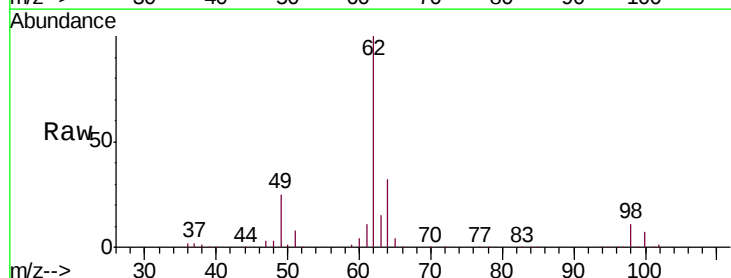
Acq: 18 Nov 2020 15:28

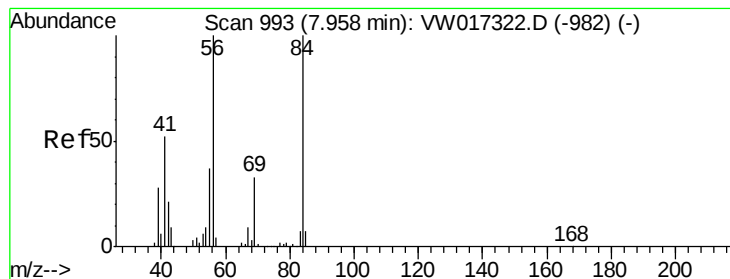
Tgt Ion: 62 Resp: 140831

Ion Ratio Lower Upper

62 100

98 11.1 7.7 11.5





#30

Cyclohexane

Concen: 24.182 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

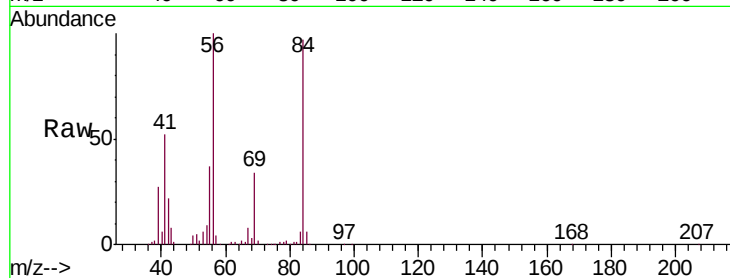
Tgt Ion: 56 Resp: 174870

Ion Ratio Lower Upper

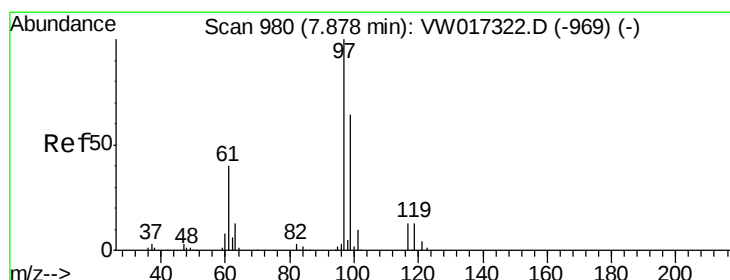
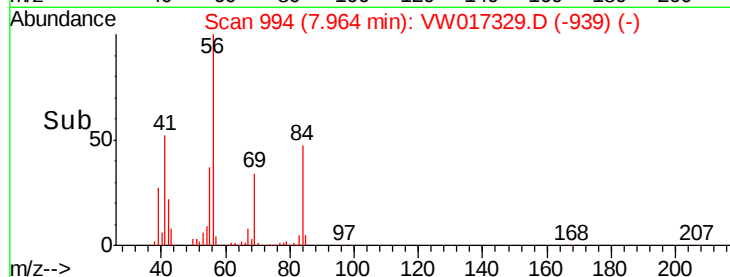
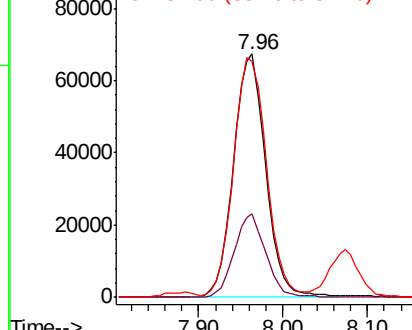
56 100

69 33.3 27.0 40.6

84 100.6 82.2 123.4



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



#31

1,1,1-Trichloroethane

Concen: 24.515 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

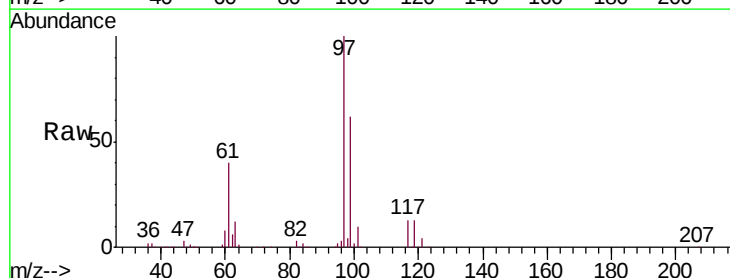
Tgt Ion: 97 Resp: 207031

Ion Ratio Lower Upper

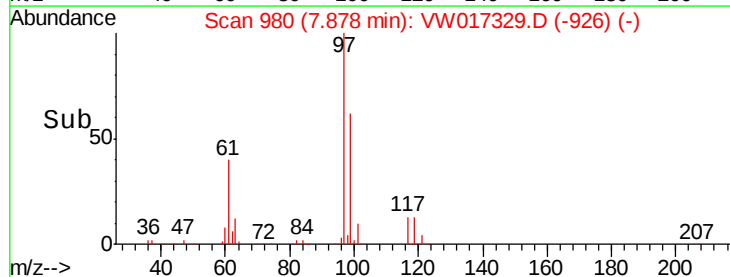
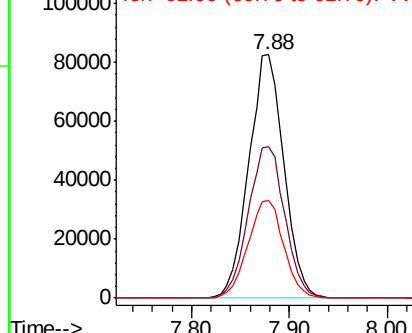
97 100

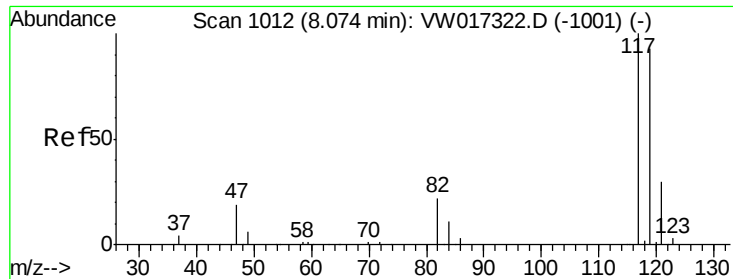
99 64.4 51.4 77.2

61 40.7 32.7 49.1



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.396 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

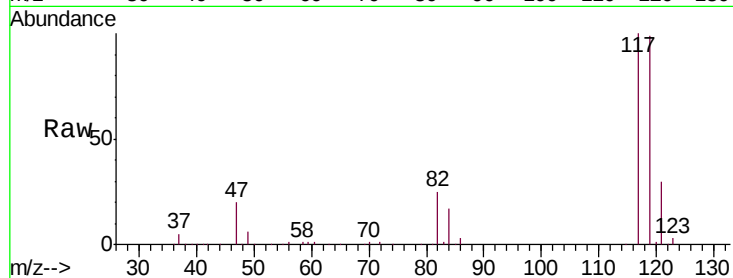
VSTD02512

Tgt Ion:117 Resp: 196635

Ion Ratio Lower Upper

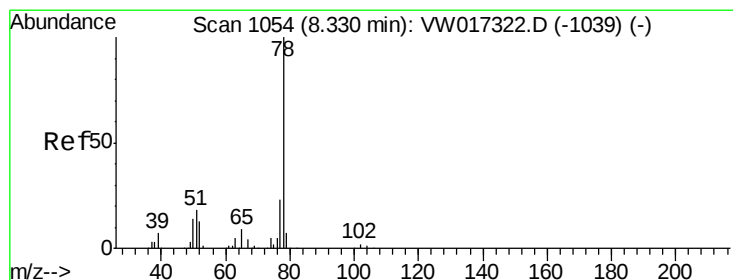
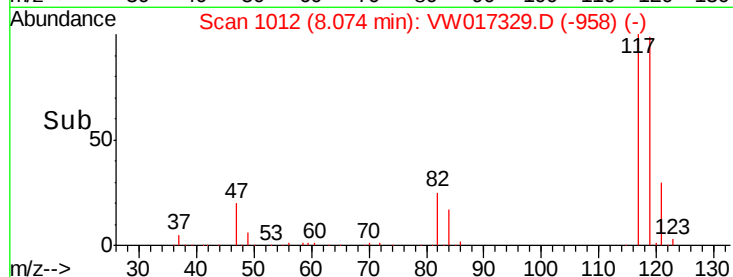
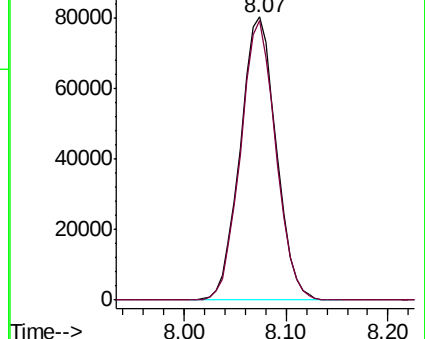
117 100

119 96.5 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.917 ug/L

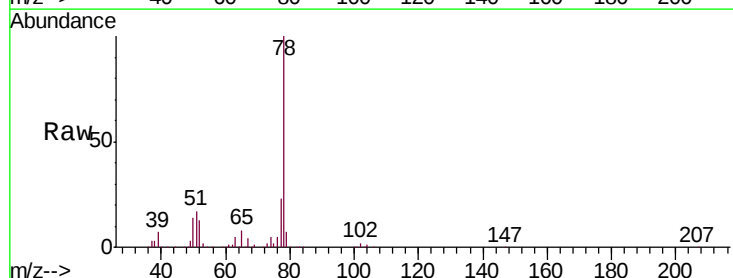
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

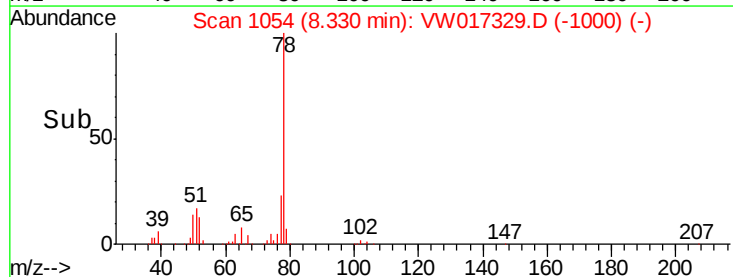
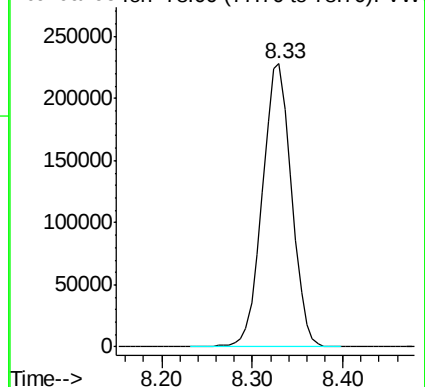
Lab File: VW017329.D

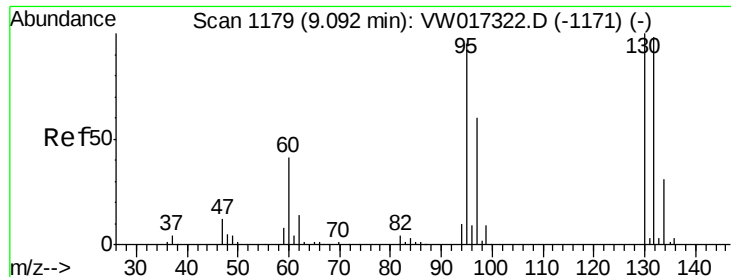
Acq: 18 Nov 2020 15:28

Tgt Ion: 78 Resp: 507940



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.239 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tgt Ion: 95 Resp: 139775

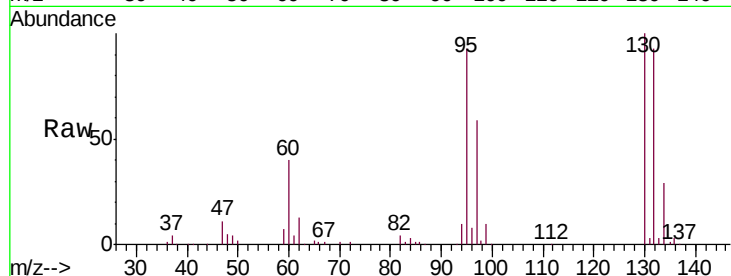
Ion Ratio Lower Upper

95 100

97 65.5 44.7 82.9

132 105.8 72.7 134.9

130 110.7 76.1 141.3

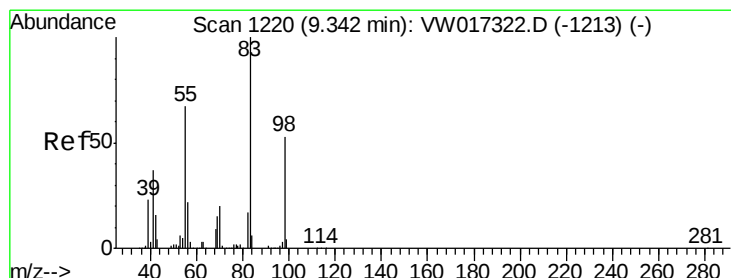
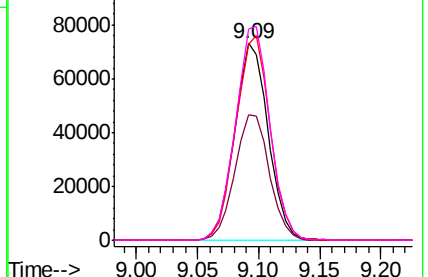
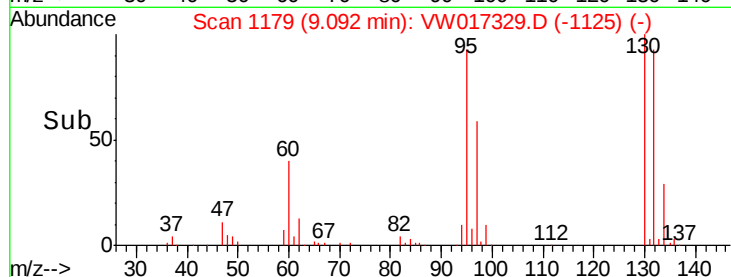


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 23.587 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

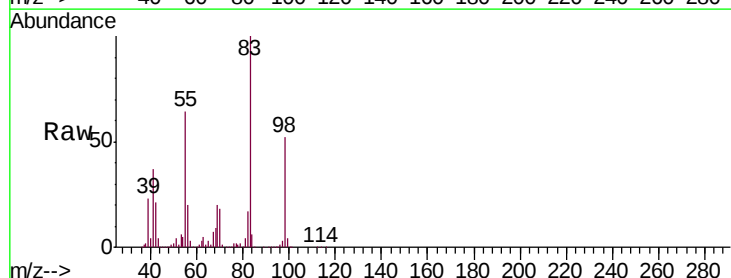
Tgt Ion: 83 Resp: 217313

Ion Ratio Lower Upper

83 100

55 66.7 54.6 81.8

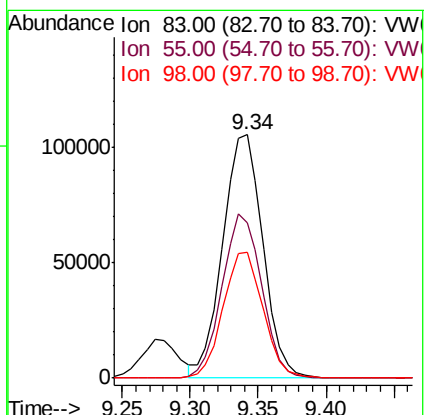
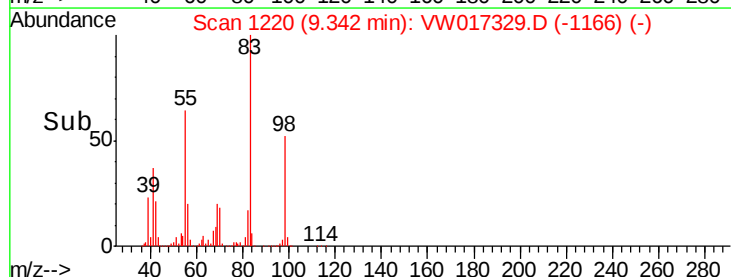
98 51.5 41.5 62.3

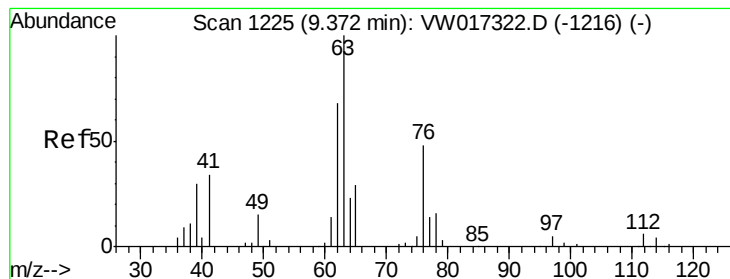


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.863 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

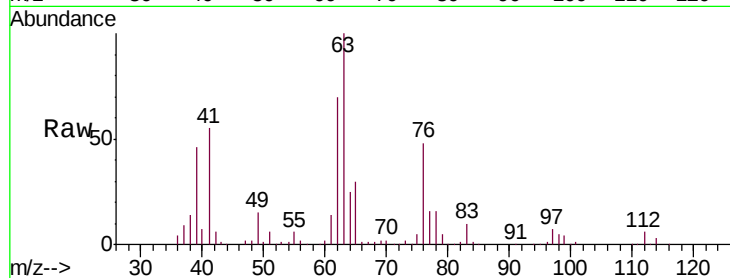
VSTD02512

Tgt Ion: 63 Resp: 114644

Ion Ratio Lower Upper

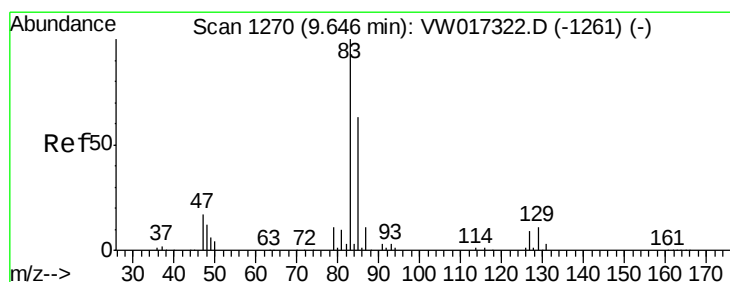
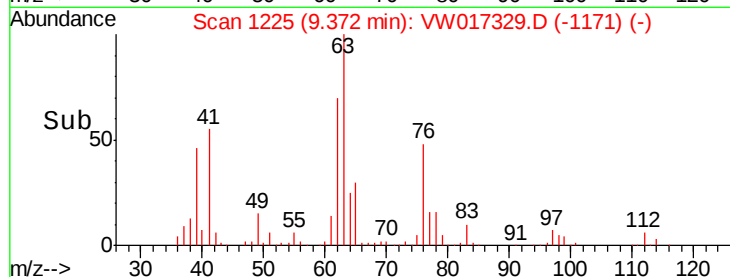
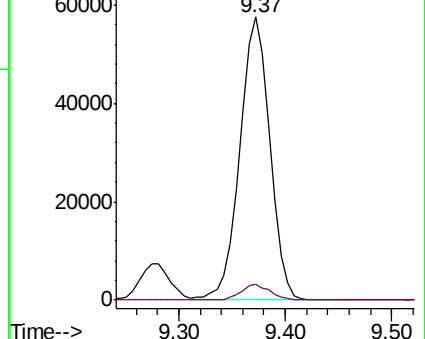
63 100

112 5.5 4.2 6.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.578 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

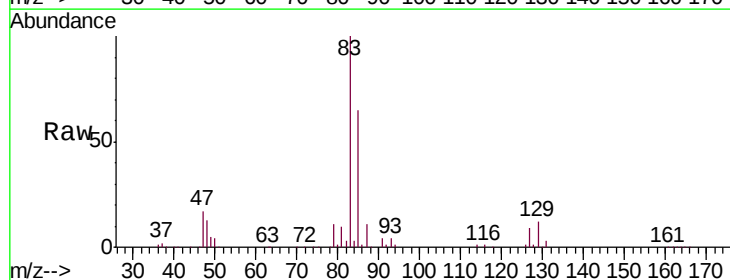
Tgt Ion: 83 Resp: 165643

Ion Ratio Lower Upper

83 100

85 65.1 44.1 81.9

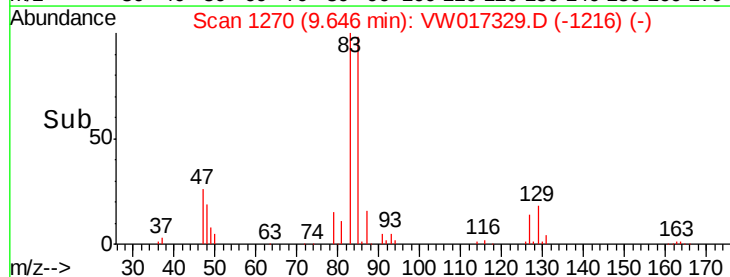
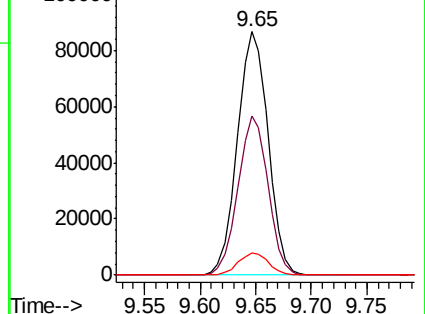
127 9.1 7.3 10.9

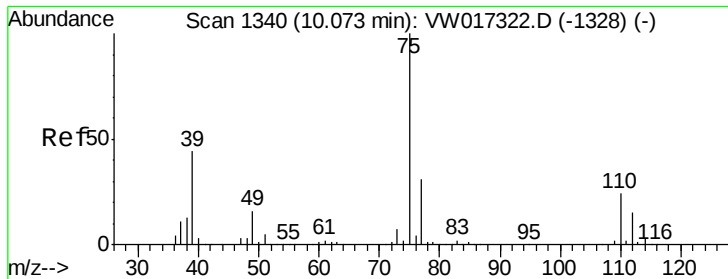


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

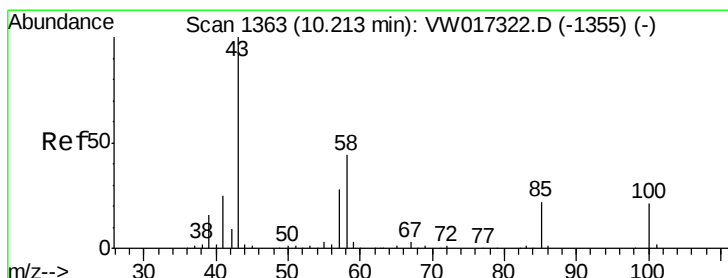
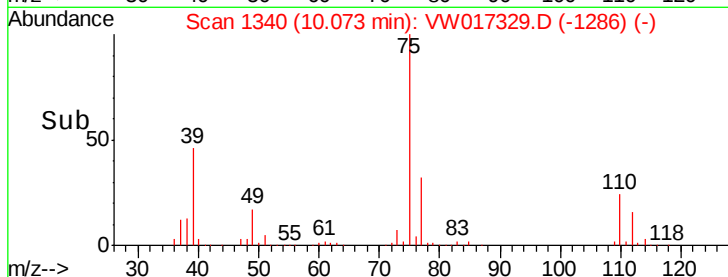
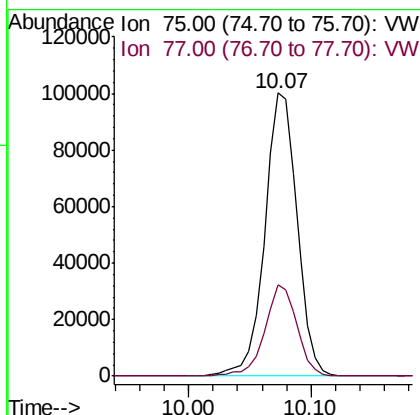
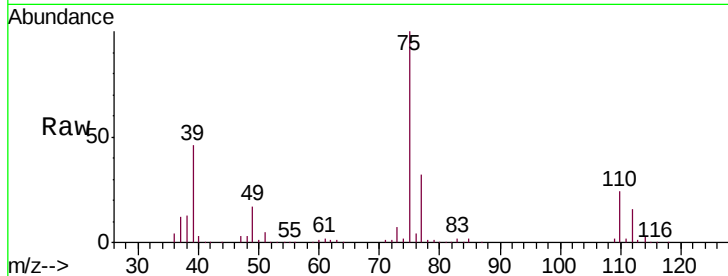




#42
 cis-1,3-Dichloropropene
 Concen: 25.775 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

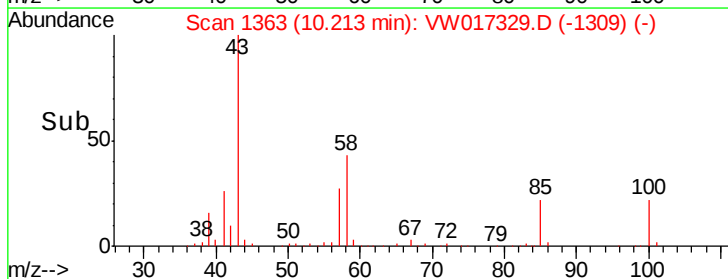
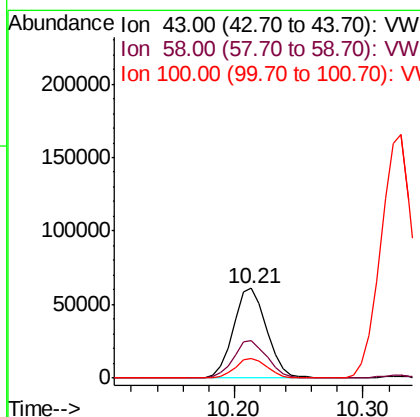
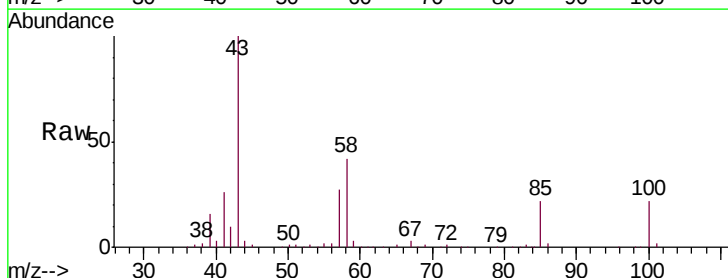
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

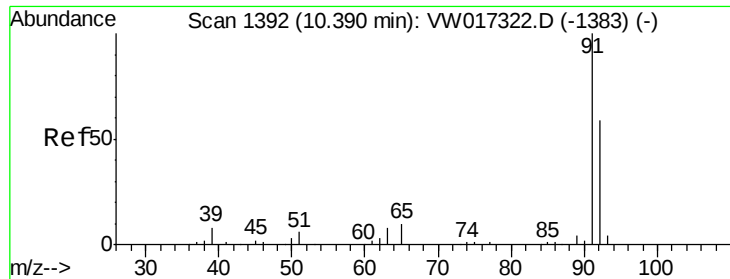
Tgt Ion: 75 Resp: 184462
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.8 40.4



#43
 4-Methyl-2-pentanone
 Concen: 47.871 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

Tgt Ion: 43 Resp: 109560
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.4 50.2
 100 21.2 16.3 24.5





#44

Toluene

Concen: 24.723 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

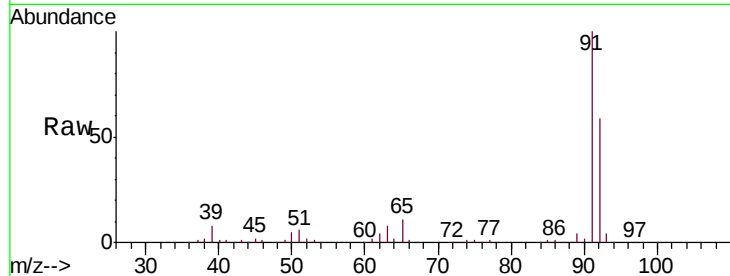
VSTD02512

Tgt Ion: 91 Resp: 559056

Ion Ratio Lower Upper

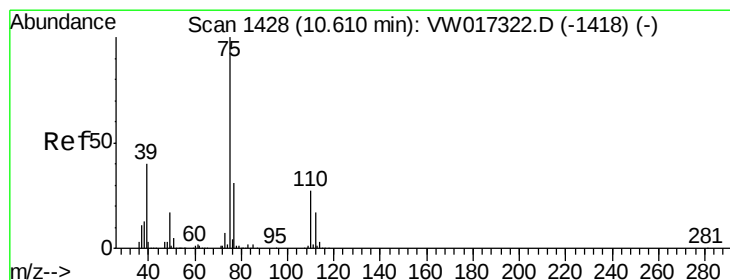
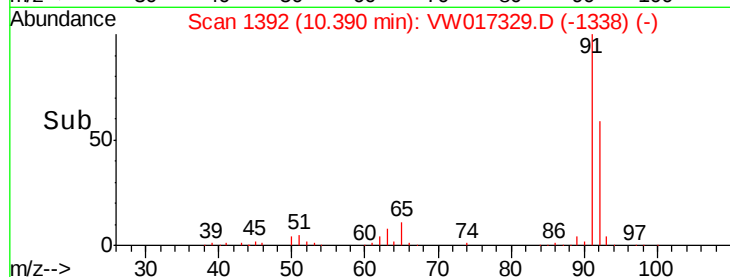
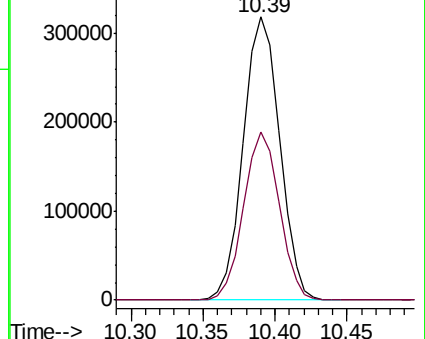
91 100

92 59.3 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 26.475 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017329.D

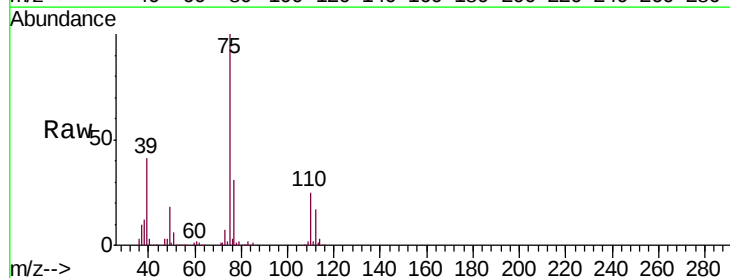
Acq: 18 Nov 2020 15:28

Tgt Ion: 75 Resp: 160529

Ion Ratio Lower Upper

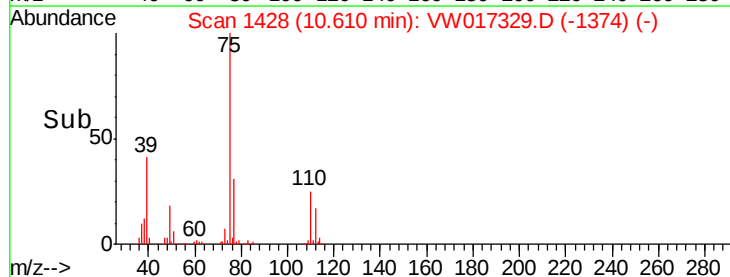
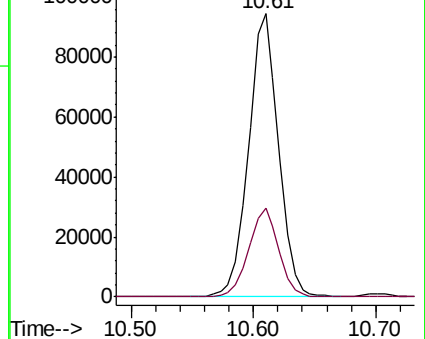
75 100

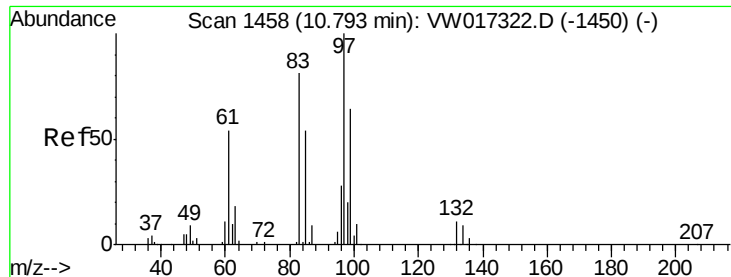
77 31.4 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

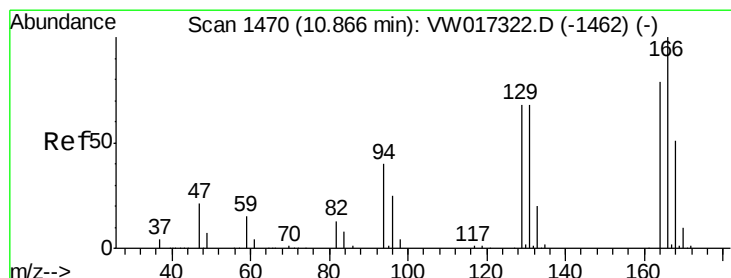
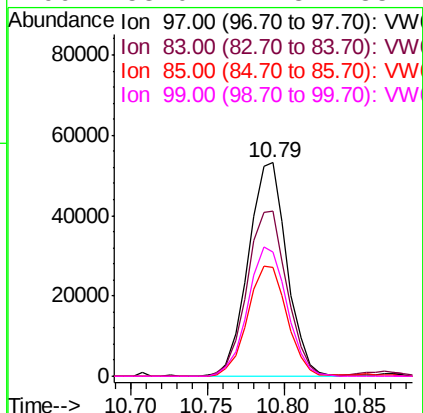
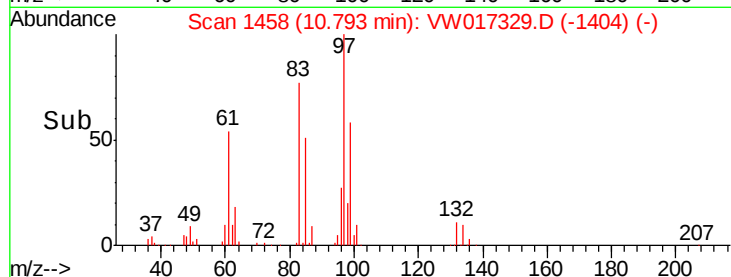
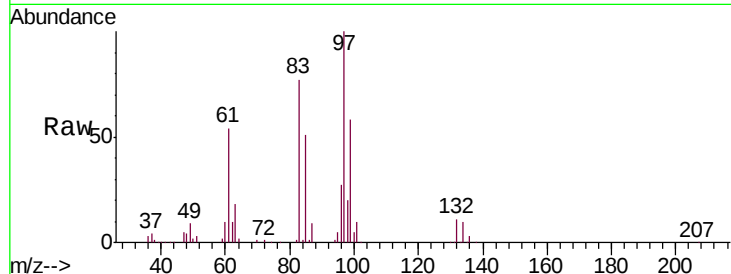




#46
 1,1,2-Trichloroethane
 Concen: 25.745 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

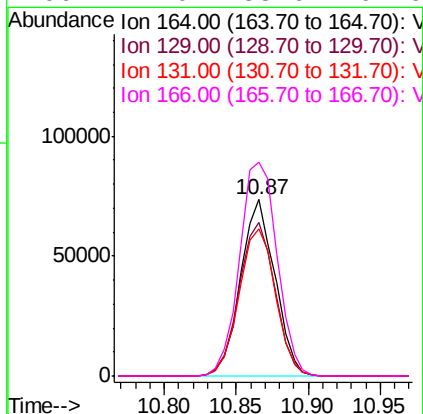
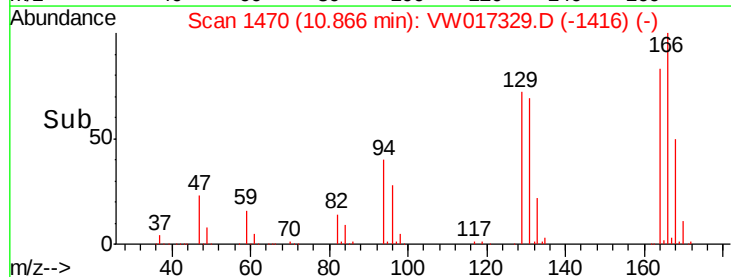
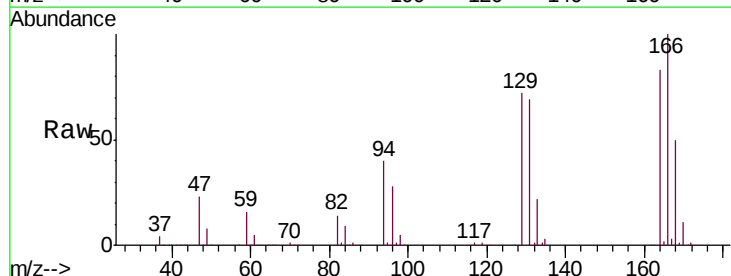
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

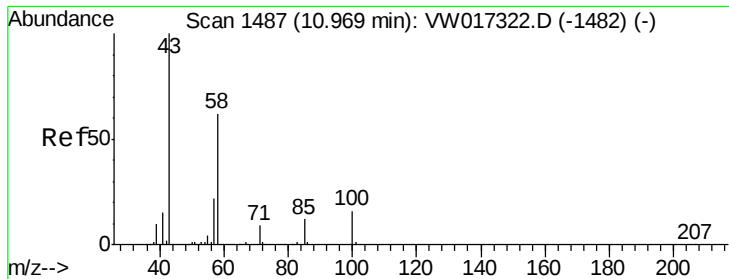
Tgt Ion	Resp	Lower	Upper
97	100		
83	77.4	56.6	105.2
85	50.7	37.7	69.9
99	58.0	44.8	83.2



#47
 Tetrachloroethene
 Concen: 23.284 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

Tgt Ion	Resp	Lower	Upper
164	100		
129	87.1	60.6	112.6
131	83.1	60.4	112.2
166	121.0	88.6	164.6





#49

2-Hexanone

Concen: 52.933 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tgt Ion: 43 Resp: 72914

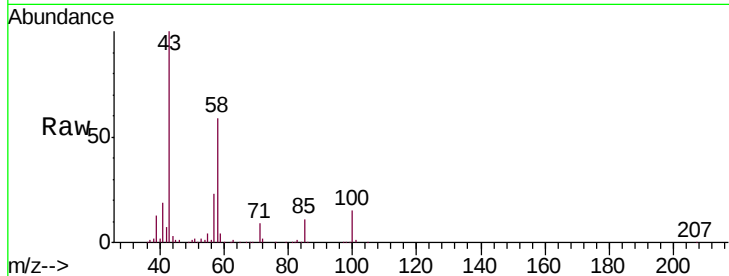
Ion Ratio Lower Upper

43 100

58 57.3 49.4 74.0

57 21.2 17.0 25.4

100 16.3 13.1 19.7



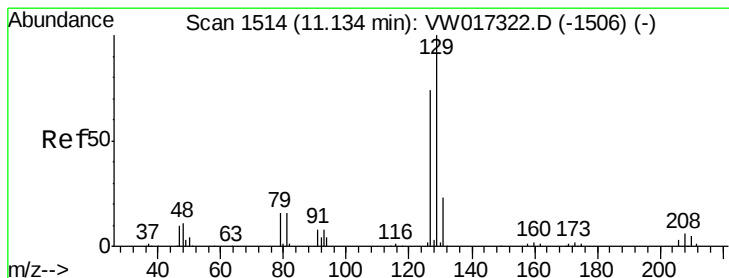
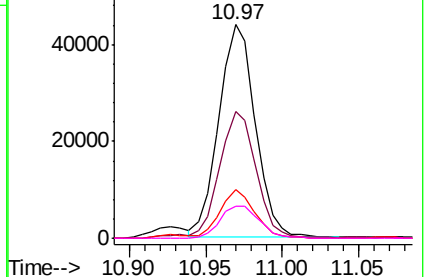
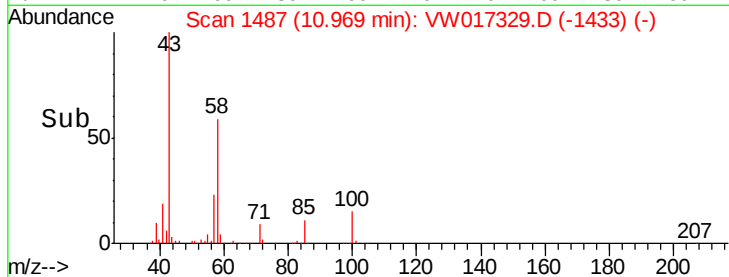
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->



#50

Dibromochloromethane

Concen: 25.278 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW017329.D

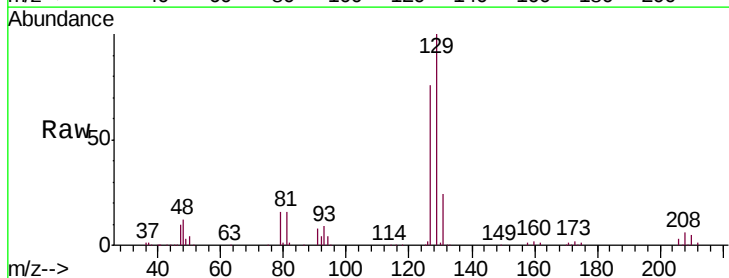
Acq: 18 Nov 2020 15:28

Tgt Ion: 129 Resp: 117409

Ion Ratio Lower Upper

129 100

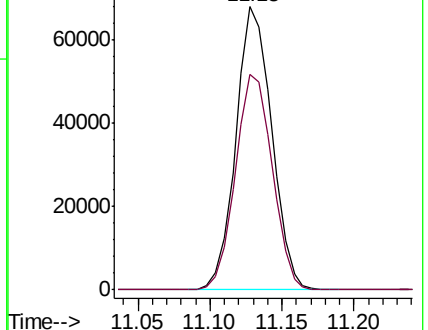
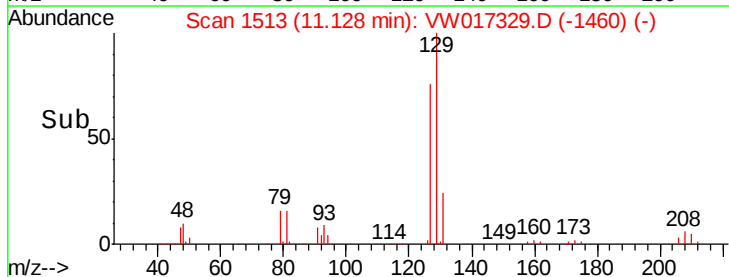
127 76.0 51.8 96.2

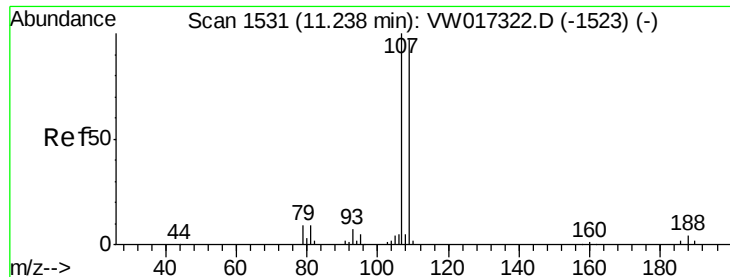


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->

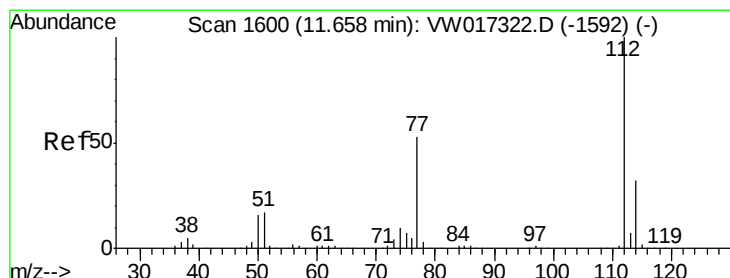
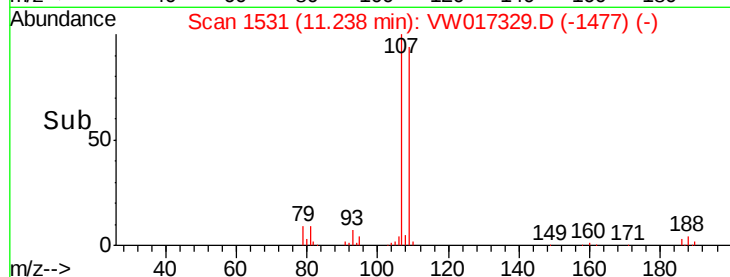
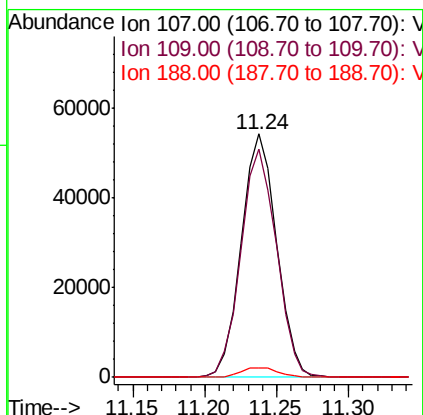
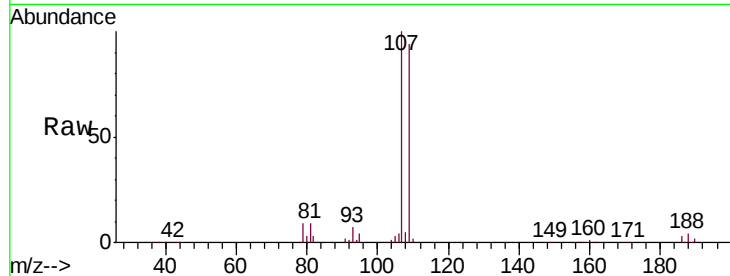




#51
1,2-Dibromoethane
Concen: 25.828 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017329.D
Acq: 18 Nov 2020 15:28

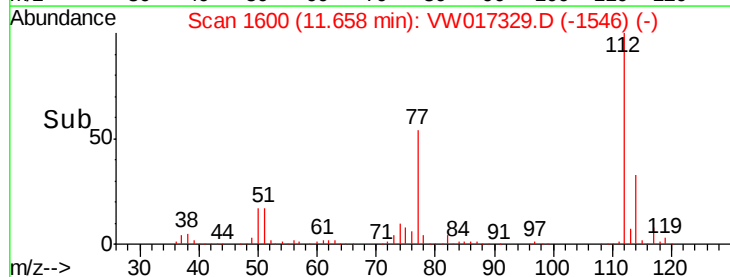
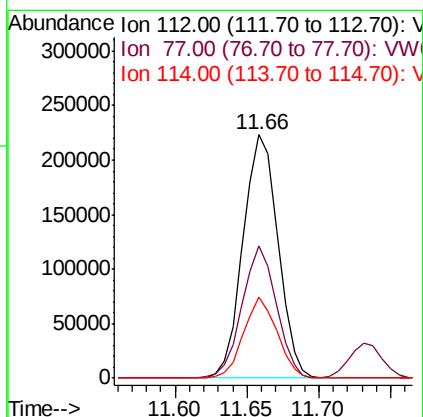
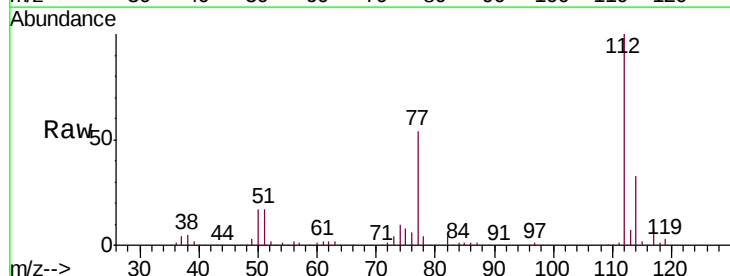
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

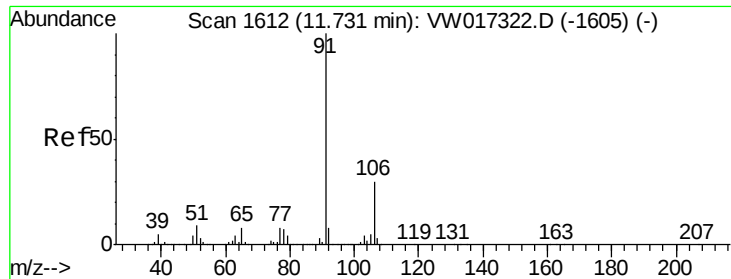
Tgt Ion:107 Resp: 92034
Ion Ratio Lower Upper
107 100
109 93.8 68.2 126.6
188 4.1 3.3 4.9



#52
Chlorobenzene
Concen: 24.933 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017329.D
Acq: 18 Nov 2020 15:28

Tgt Ion:112 Resp: 375425
Ion Ratio Lower Upper
112 100
77 54.2 42.2 63.4
114 33.2 22.1 41.1

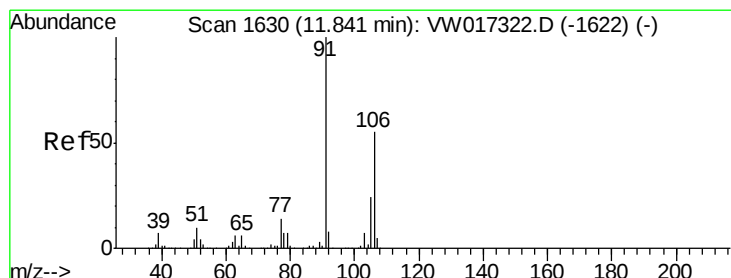
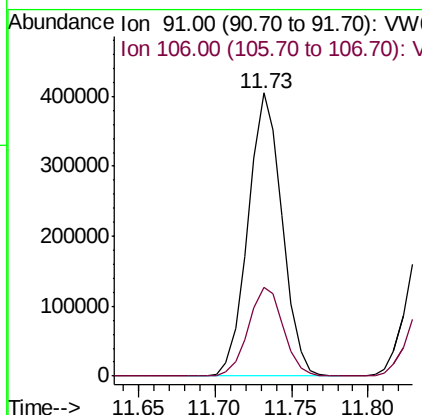
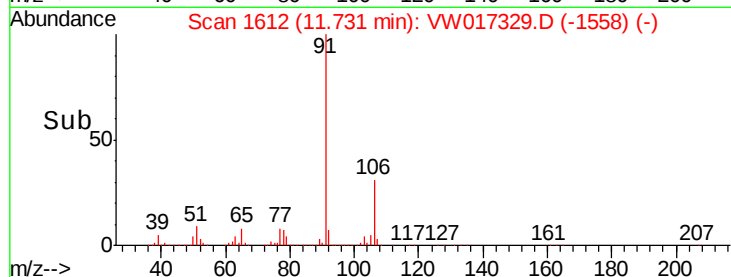
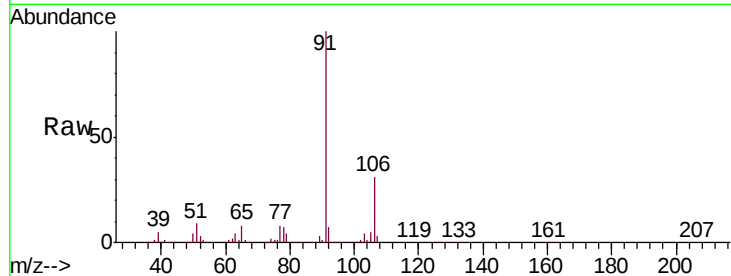




#53
Ethylbenzene
Concen: 24.698 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017329.D
Acq: 18 Nov 2020 15:28

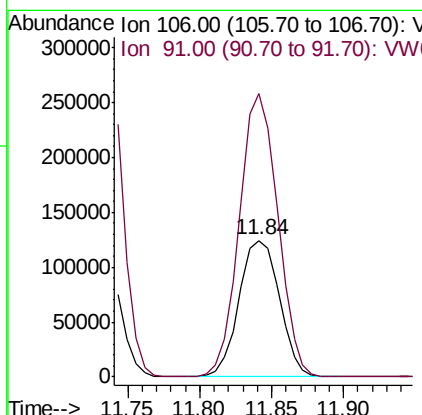
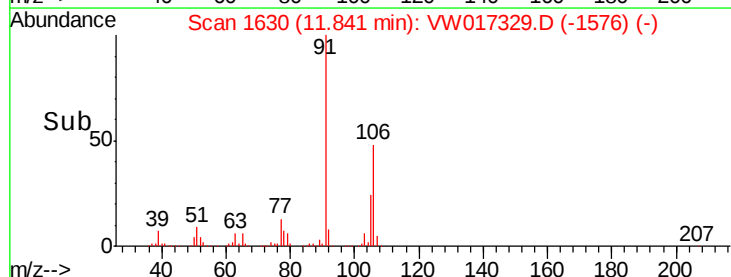
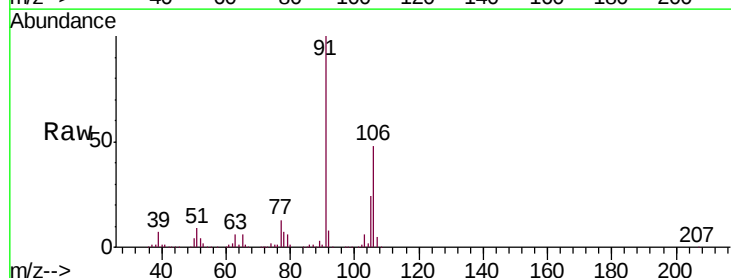
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

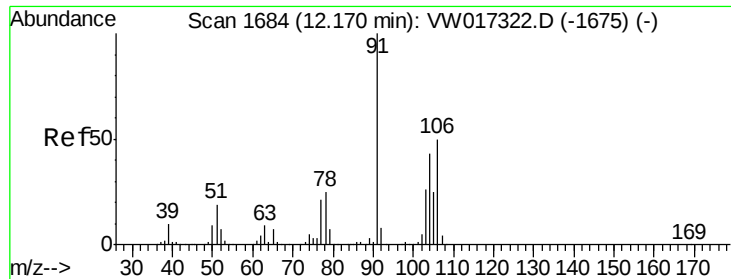
Tgt Ion: 91 Resp: 626286
Ion Ratio Lower Upper
91 100
106 31.2 20.8 38.6



#54
m,p-Xylene
Concen: 24.786 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017329.D
Acq: 18 Nov 2020 15:28

Tgt Ion: 106 Resp: 242190
Ion Ratio Lower Upper
106 100
91 207.1 126.9 235.7

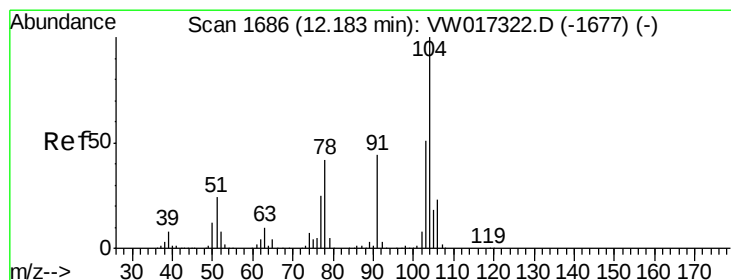
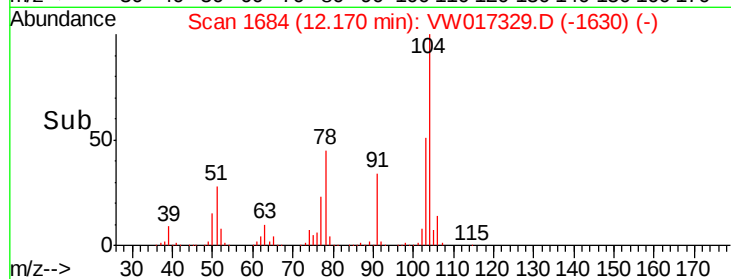
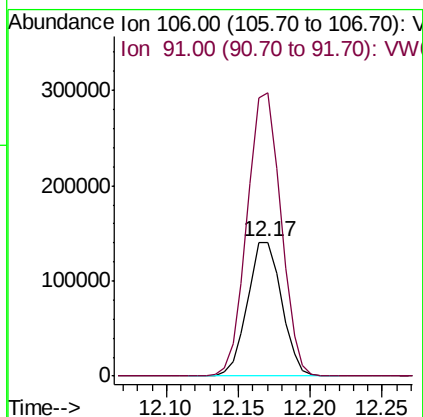
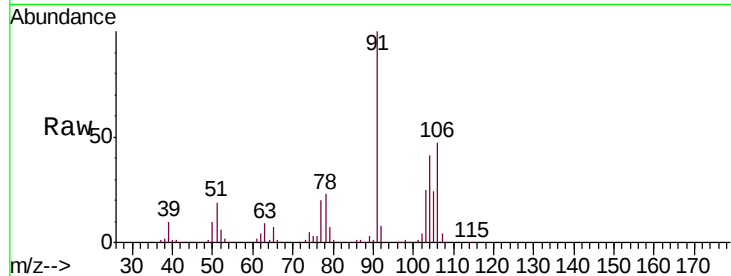




#55
o-xylene
Concen: 25.007 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW017329.D
Acq: 18 Nov 2020 15:28

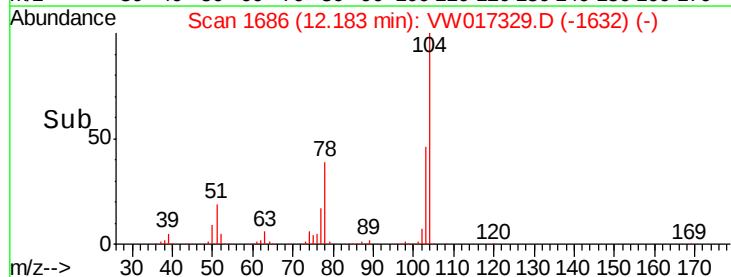
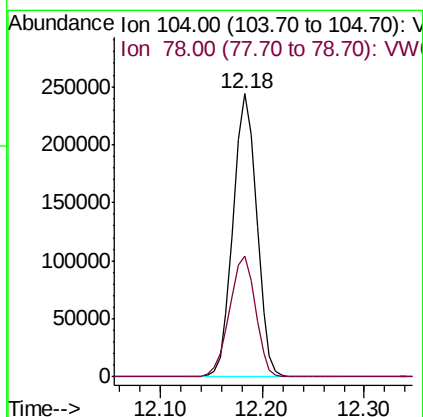
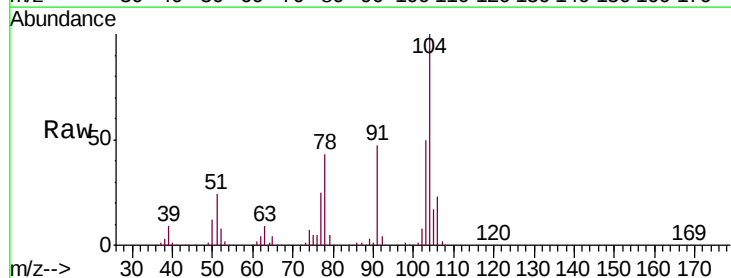
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

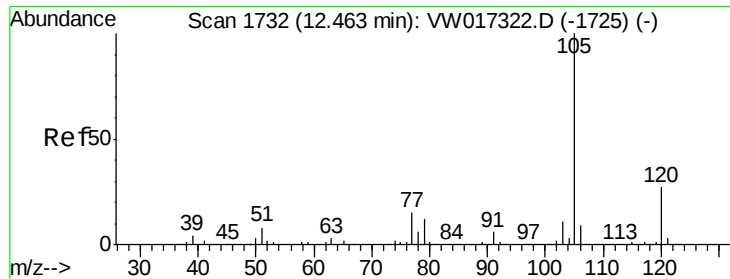
Tgt Ion:106 Resp: 231878
Ion Ratio Lower Upper
106 100
91 211.0 139.5 259.1



#56
Styrene
Concen: 25.452 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017329.D
Acq: 18 Nov 2020 15:28

Tgt Ion:104 Resp: 391240
Ion Ratio Lower Upper
104 100
78 42.8 29.3 54.5





#57

Isopropylbenzene

Concen: 24.426 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

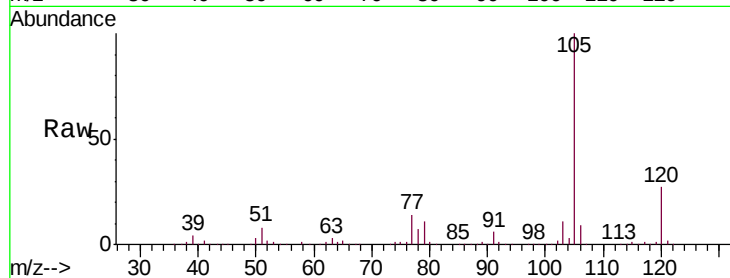
Tgt Ion: 105 Resp: 620254

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

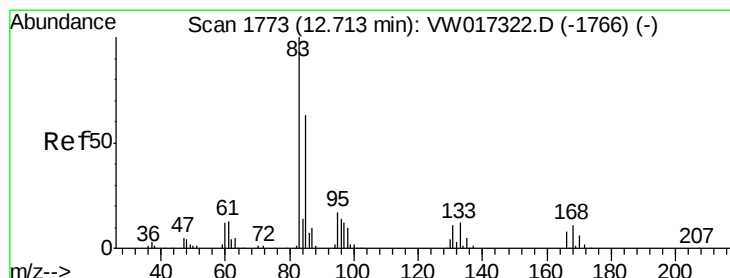
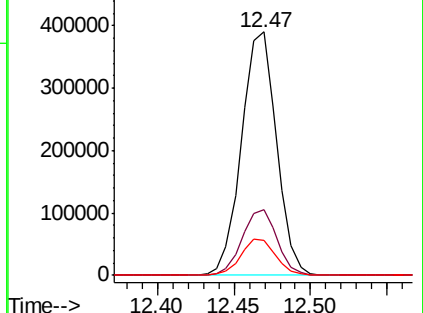
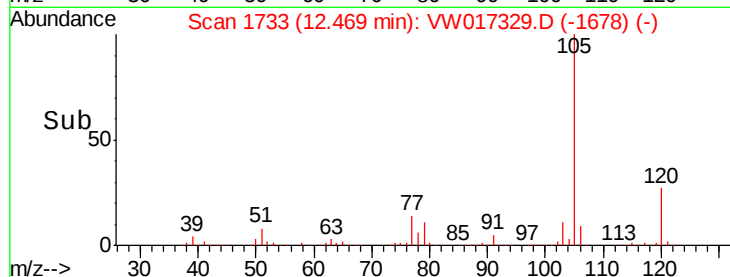
77 14.7 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.596 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

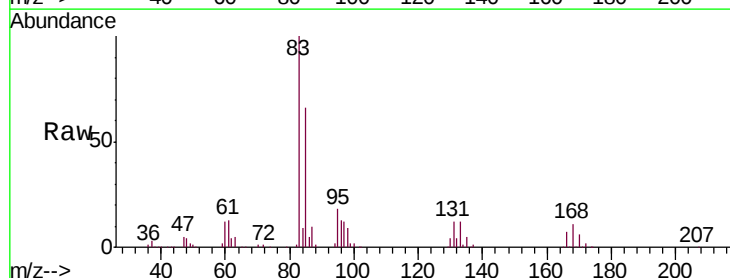
Tgt Ion: 83 Resp: 100711

Ion Ratio Lower Upper

83 100

85 66.2 44.2 82.0

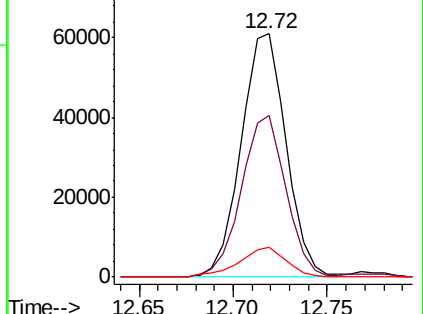
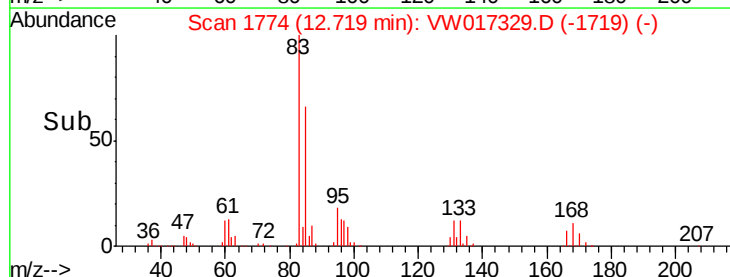
131 12.0 8.7 13.1

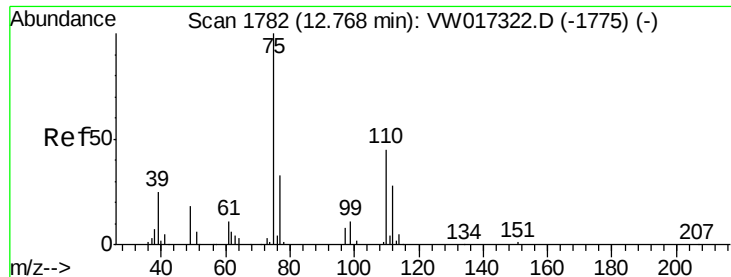


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.167 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

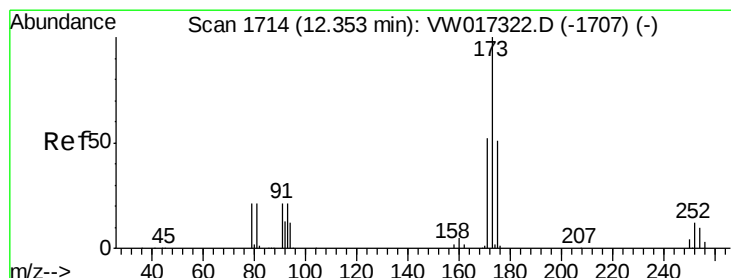
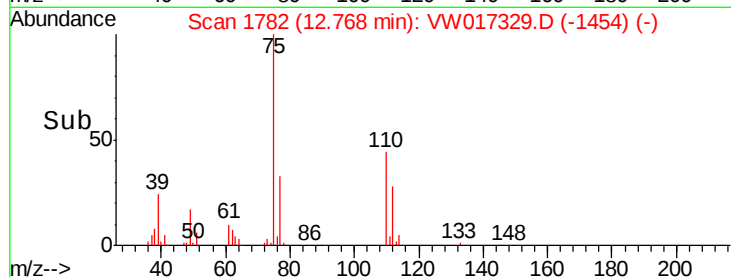
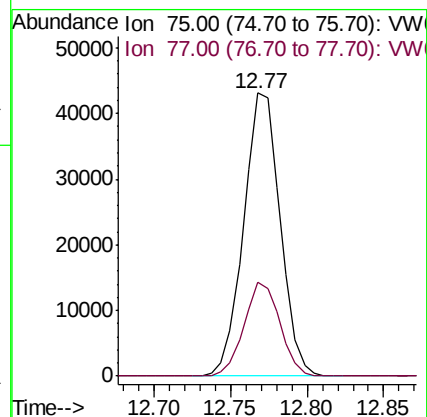
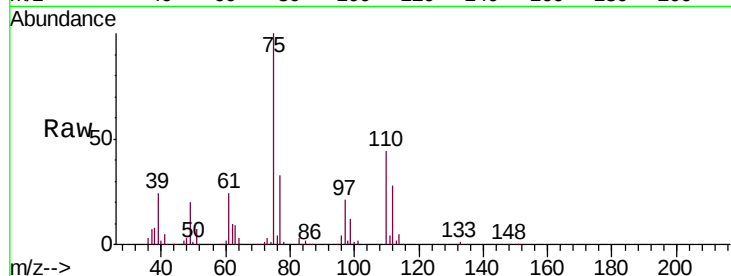
VSTD02512

Tgt Ion: 75 Resp: 71511

Ion Ratio Lower Upper

75 100

77 32.6 26.6 40.0



#62

Bromoform

Concen: 25.906 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

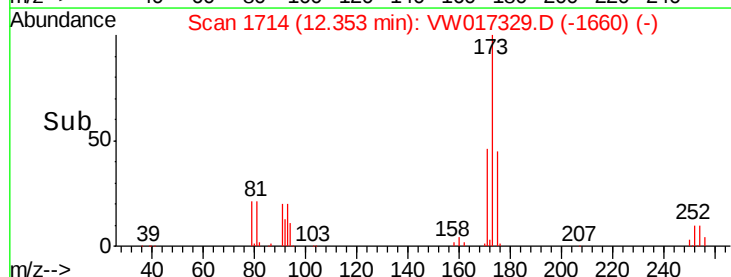
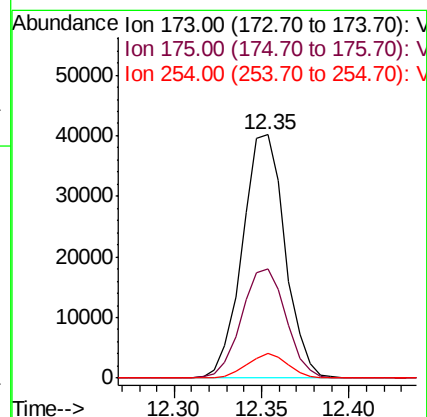
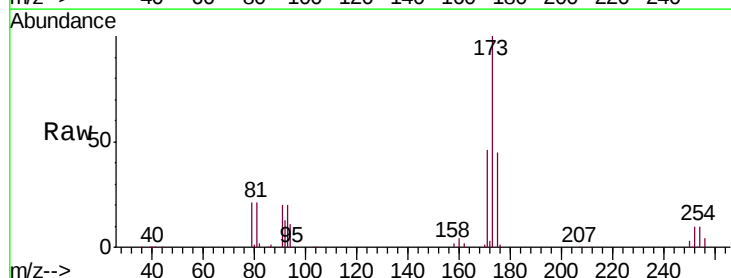
Tgt Ion: 173 Resp: 68255

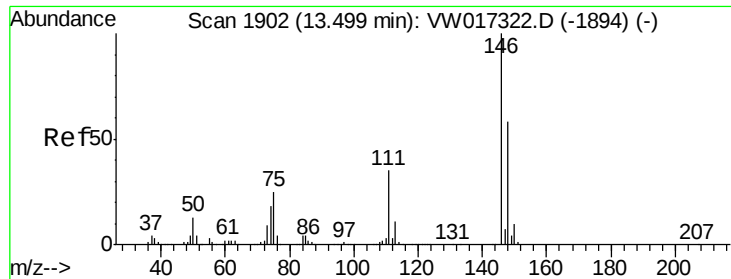
Ion Ratio Lower Upper

173 100

175 46.6 40.0 60.0

254 9.7 8.0 12.0

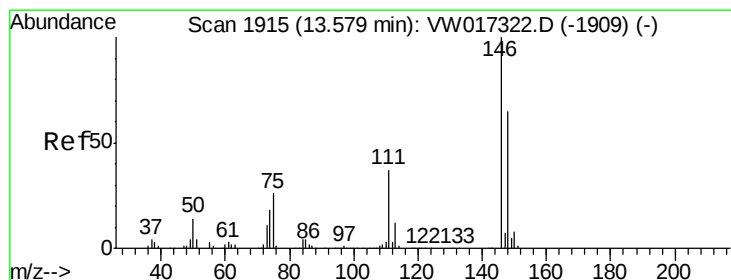
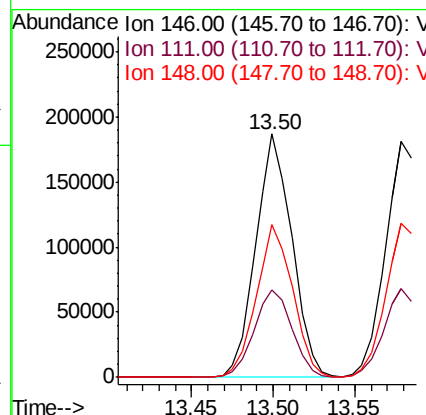
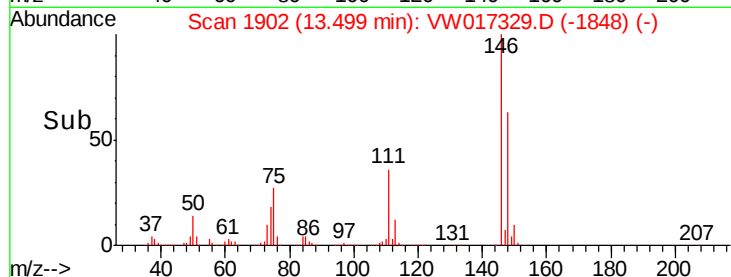
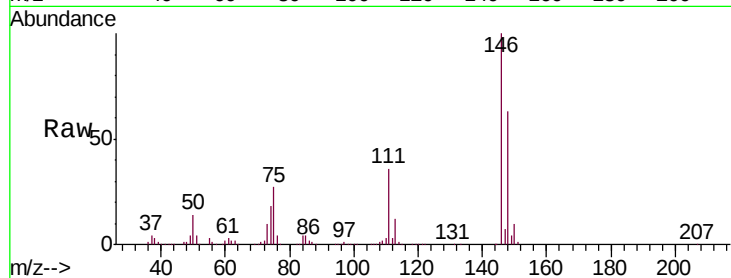




#63
 1,3-Dichlorobenzene
 Concen: 23.680 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

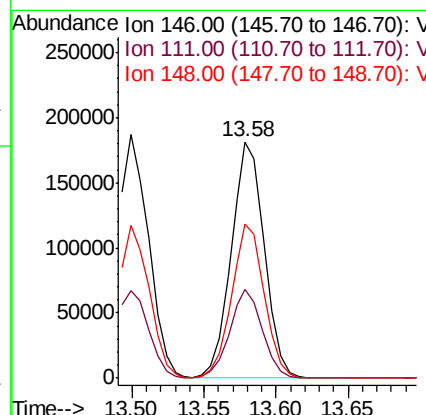
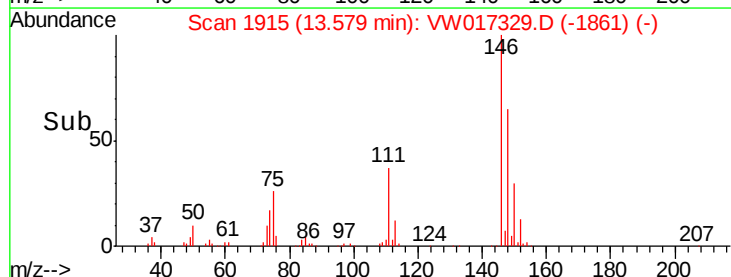
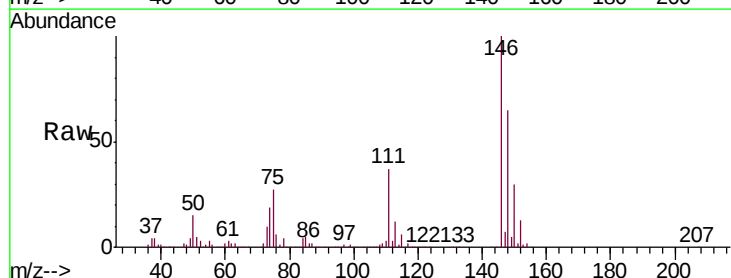
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

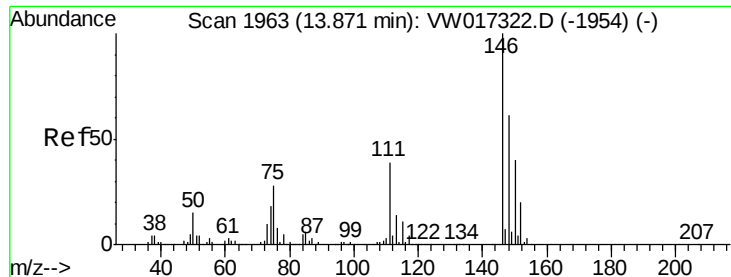
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	24.5	45.5
148	62.9	40.4	75.0



#64
 1,4-Dichlorobenzene
 Concen: 24.080 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.2	48.8
148	65.0	45.2	84.0

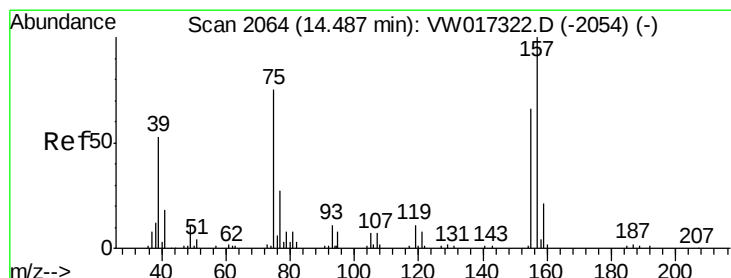
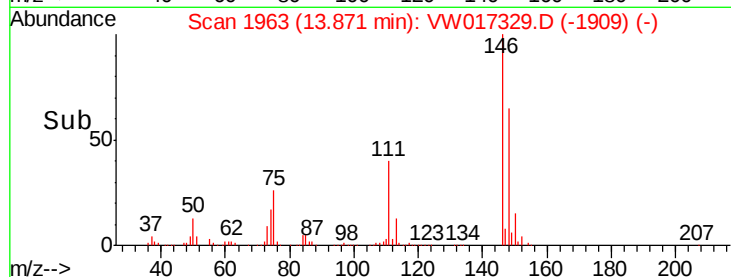
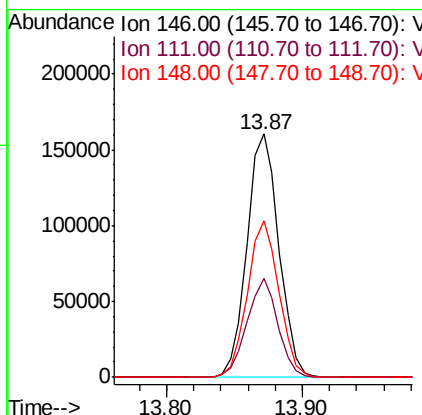
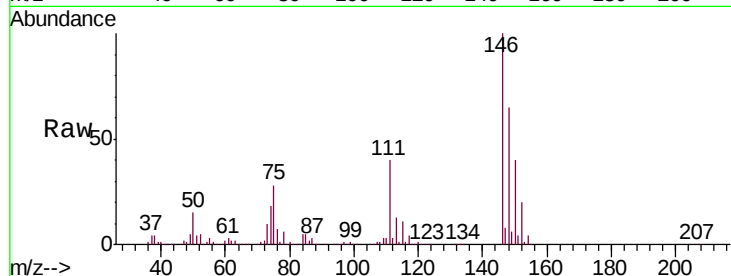




#65
 1,2-Dichlorobenzene
 Concen: 24.890 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

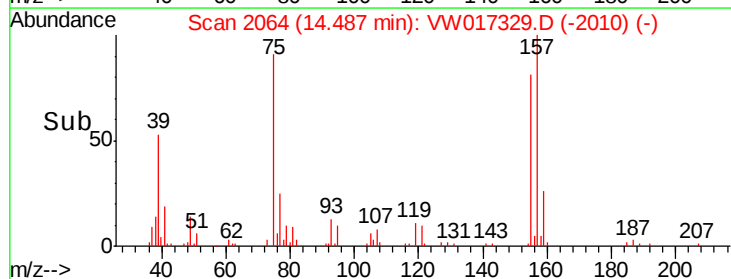
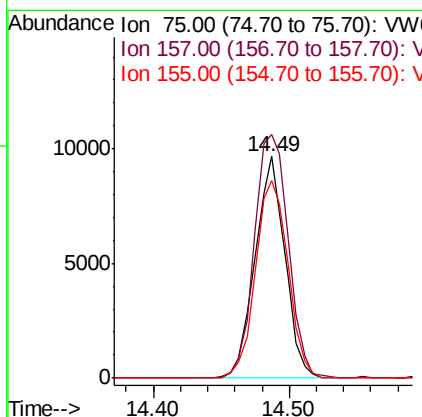
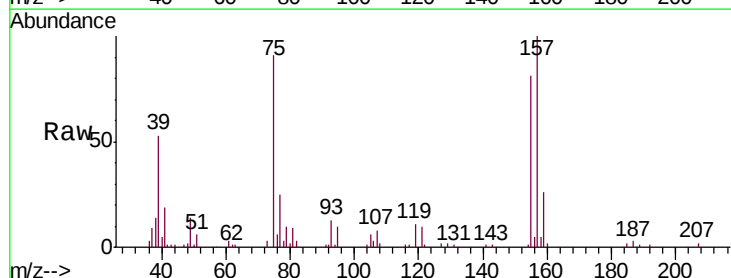
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

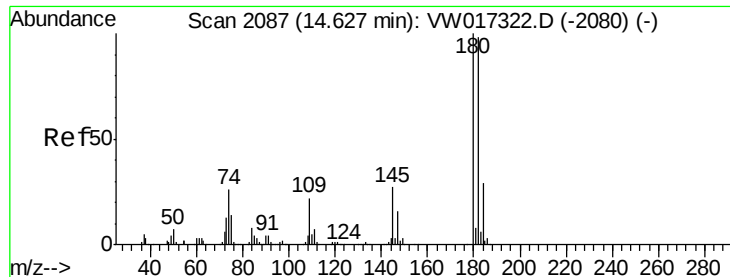
Tgt Ion: 146 Resp: 263992
 Ion Ratio Lower Upper
 146 100
 111 40.4 30.8 46.2
 148 64.6 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.229 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

Tgt Ion: 75 Resp: 14914
 Ion Ratio Lower Upper
 75 100
 157 109.8 106.7 160.1
 155 89.0 70.6 106.0

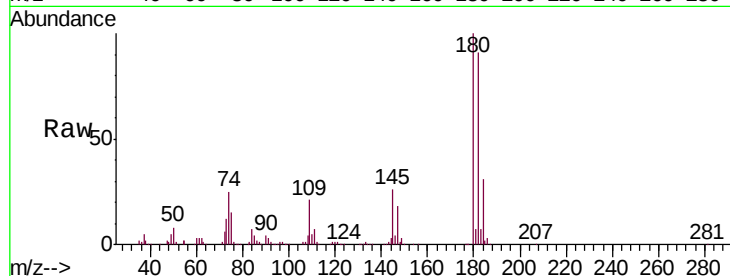




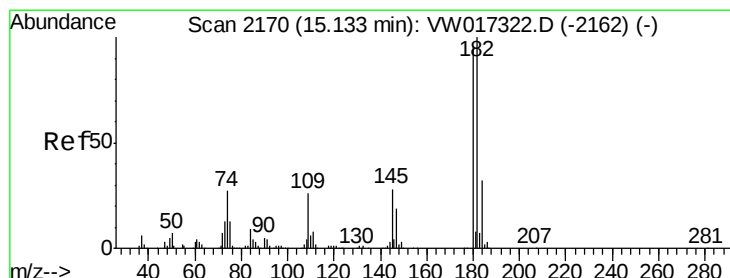
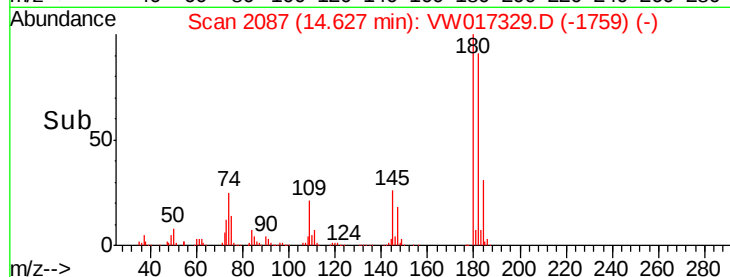
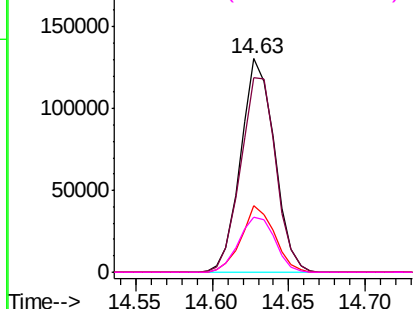
#67
 1,3,5-Trichlorobenzene
 Concen: 22.570 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tgt Ion:	180	Resp:	200382
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.8	115.2
184	30.5	23.9	35.9
145	27.7	22.6	33.8

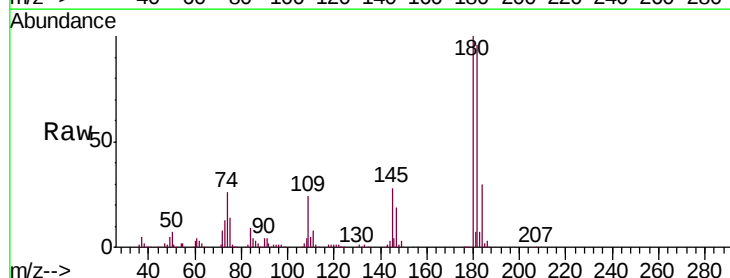


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

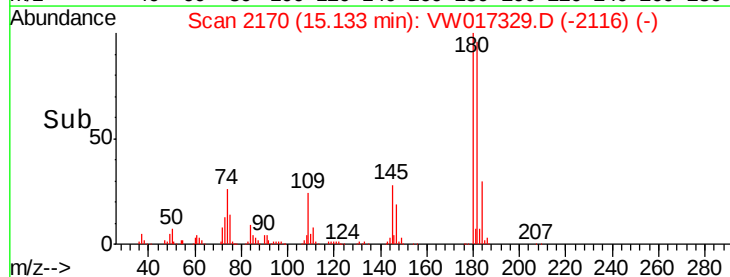
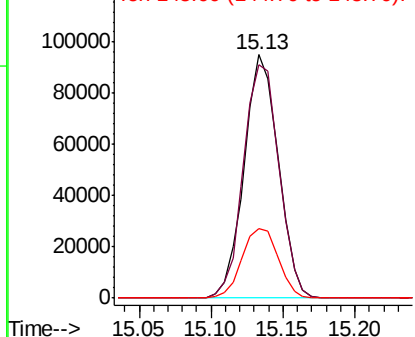


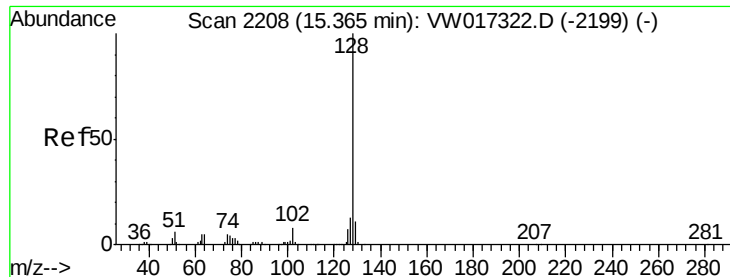
#68
 1,2,4-trichlorobenzene
 Concen: 22.988 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017329.D
 Acq: 18 Nov 2020 15:28

Tgt Ion:	180	Resp:	156633
Ion	Ratio	Lower	Upper
180	100		
182	100.0	77.0	115.6
145	30.4	22.9	34.3



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.468 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

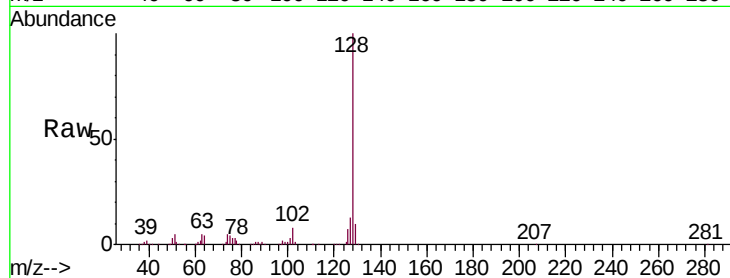
Tgt Ion:128 Resp: 258911

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

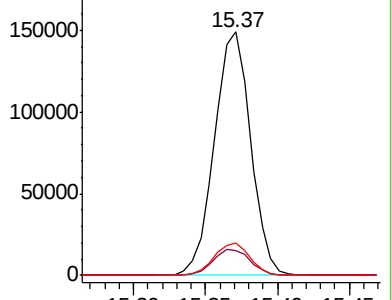
127 13.2 10.4 15.6



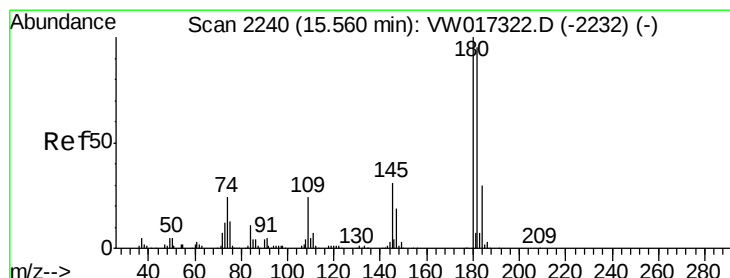
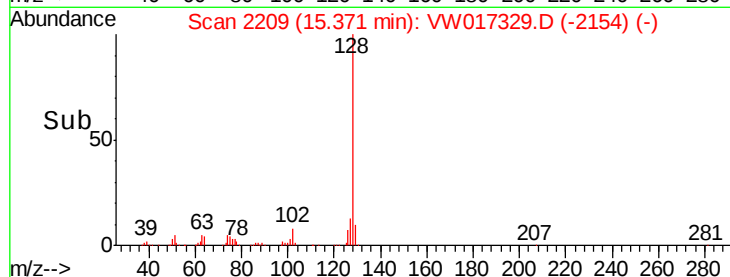
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 24.087 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017329.D

Acq: 18 Nov 2020 15:28

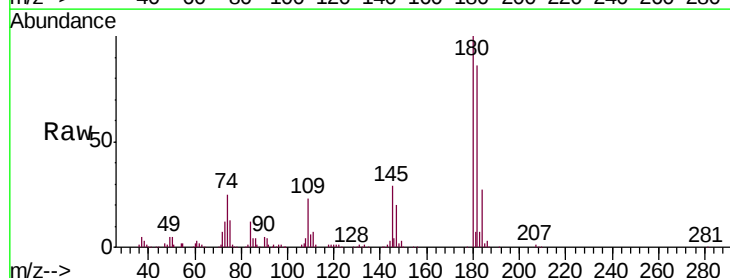
Tgt Ion:180 Resp: 144384

Ion Ratio Lower Upper

180 100

182 94.1 78.6 118.0

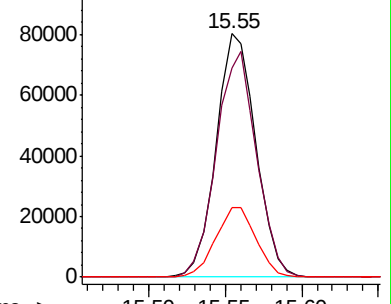
145 29.3 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->

