

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082720\
 Data File : VW016393.D
 Acq On : 27 Aug 2020 16:50
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Aug 28 08:11:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 28 08:08:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	260196	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	244300	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	123723	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	46911	16.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.56%
7) Chloroethane-d5	2.89	69	39110	18.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.20%
10) 1,1-Dichloroethene-d2	4.02	63	130772	19.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.28%
20) 2-Butanone-d5	7.09	46	41036	51.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.88%
24) Chloroform-d	7.65	84	149417	22.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.12%
26) 1,2-Dichloroethane-d4	8.31	65	83478	23.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.52%
29) Benzene-d6	8.27	84	278861	20.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.76%
33) 1,2-Dichloropropane-d6	9.27	67	78526	20.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.24%
37) Toluene-d8	10.32	98	269736	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.84%
38) trans-1,3-Dichloropropene-	10.58	79	40935	22.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.88%
39) 2-Hexanone-d5	10.93	63	31545	52.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	81294	25.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	98974	20.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	62128	21.731	ug/L 95
3) Chloromethane	2.21	50	42308	18.953	ug/L 98
5) Vinyl chloride	2.37	62	62946	20.704	ug/L 97
6) Bromomethane	2.78	94	42274	21.269	ug/L 99
8) Chloroethane	2.92	64	37623	22.193	ug/L 93
9) Trichlorofluoromethane	3.26	101	69331	21.072	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	80707	22.472	ug/L 96
12) 1,1-Dichloroethene	4.04	96	77296	22.377	ug/L 91
13) Acetone	4.13	43	32715	49.894	ug/L 97
14) Carbon disulfide	4.39	76	214339	20.928	ug/L 98
15) Methyl Acetate	4.67	43	35393	26.828	ug/L 96
16) Methylene chloride	4.92	84	86592	18.002	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	125044	24.758	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	83351	22.971	ug/L 98
19) 1,1-Dichloroethane	6.21	63	137705	23.033	ug/L 98
21) 2-Butanone	7.17	43	50034	53.559	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	90049	23.597	ug/L 97

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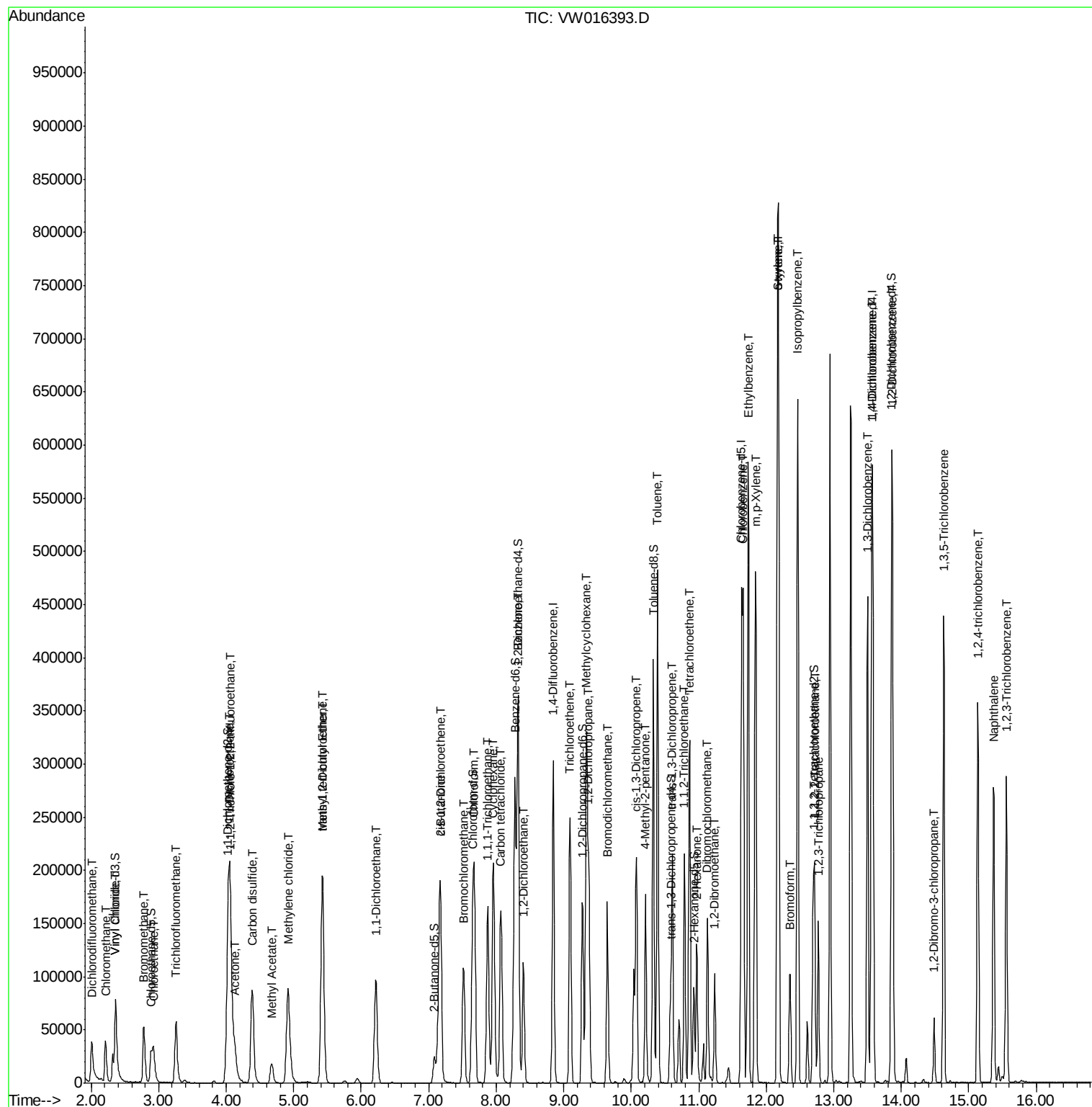
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	43739	24.988	ug/L	95
25) Chloroform	7.68	83	156479	24.304	ug/L	97
27) 1,2-Dichloroethane	8.40	62	104435	25.898	ug/L	99
30) Cyclohexane	7.96	56	115309	21.838	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	136815	23.284	ug/L	100
32) Carbon tetrachloride	8.07	117	130785	23.442	ug/L	99
34) Benzene	8.32	78	322776	23.034	ug/L	100
35) Trichloroethene	9.10	95	89618	22.587	ug/L	98
36) Methylcyclohexane	9.34	83	146099	22.557	ug/L	100
40) 1,2-Dichloropropane	9.37	63	76342	23.166	ug/L	99
41) Bromodichloromethane	9.65	83	114712	24.573	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	131892	24.444	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	105209	53.395	ug/L	99
44) Toluene	10.39	91	362837	23.776	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	120529	25.265	ug/L	94
46) 1,1,2-Trichloroethane	10.79	97	70711	25.996	ug/L	95
47) Tetrachloroethene	10.87	164	74404	23.781	ug/L	92
49) 2-Hexanone	10.97	43	74757	58.566	ug/L	98
50) Dibromochloromethane	11.13	129	85750	25.313	ug/L	100
51) 1,2-Dibromoethane	11.24	107	68893	25.876	ug/L	98
52) Chlorobenzene	11.66	112	241069	23.652	ug/L	97
53) Ethylbenzene	11.73	91	412819	23.531	ug/L	99
54) m,p-Xylene	11.84	106	159904	23.717	ug/L	99
55) o-xylene	12.16	106	152421	24.064	ug/L	99
56) Styrene	12.18	104	269218	25.260	ug/L	100
57) Isopropylbenzene	12.46	105	417354	23.670	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	86921	27.386	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	65157	27.718	ug/L	97
62) Bromoform	12.35	173	50867	25.297	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	190844	22.888	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	186500	22.079	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	175367	23.554	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	15842	27.068	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	130829	22.737	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	111534	24.420	ug/L	98
69) Naphthalene	15.36	128	250824	27.957	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	98835	24.605	ug/L	99

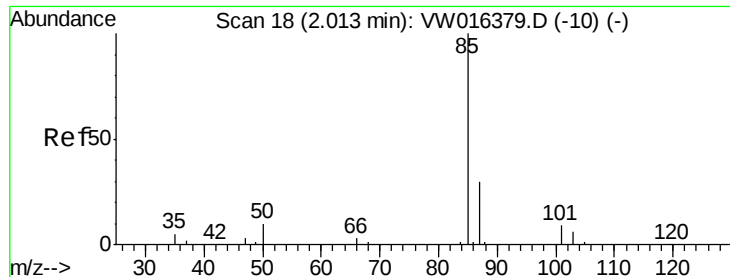
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.731 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

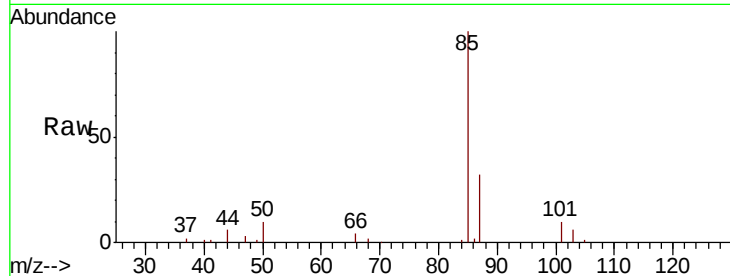
VSTD02530

Tot Ion: 85 Resp: 62128

Ion Ratio Lower Upper

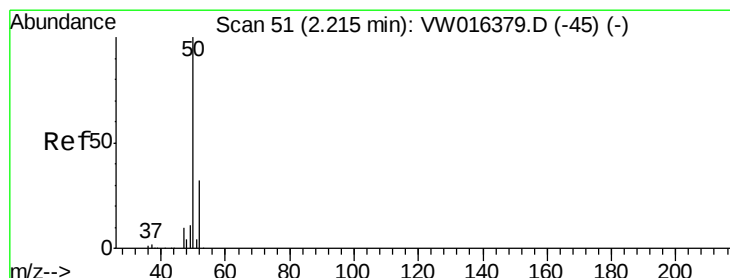
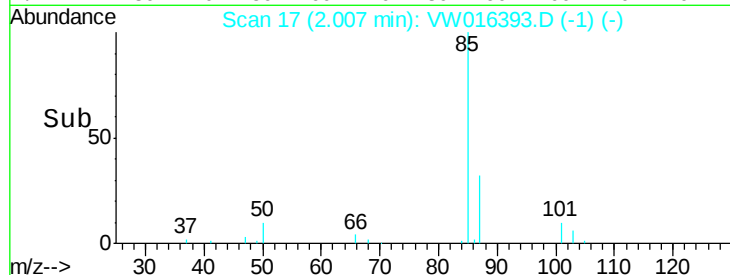
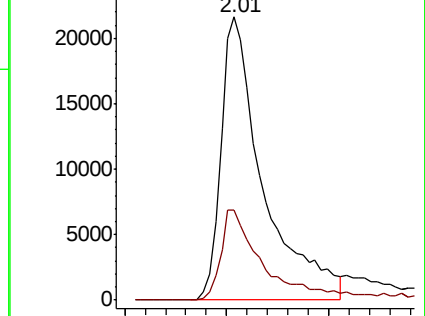
85 100

87 27.9 21.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 18.953 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016393.D

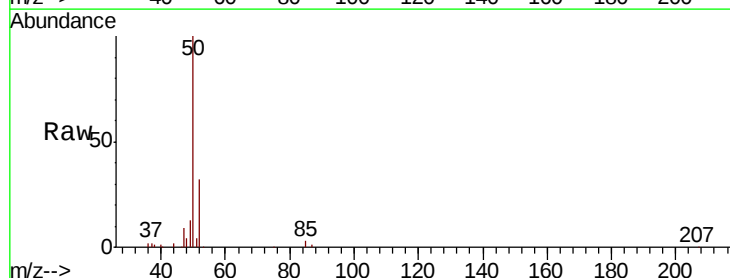
Acq: 27 Aug 2020 16:50

Tgt Ion: 50 Resp: 42308

Ion Ratio Lower Upper

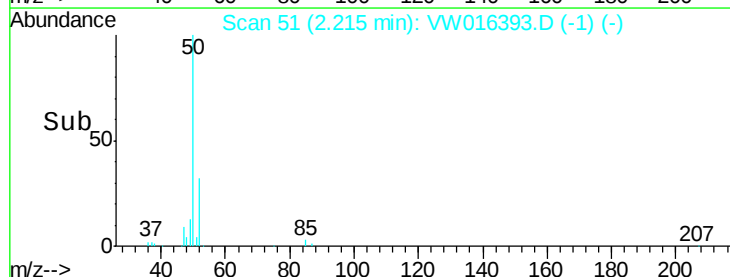
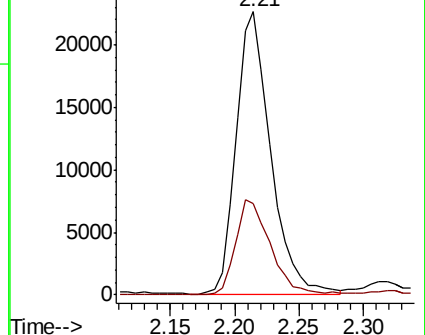
50 100

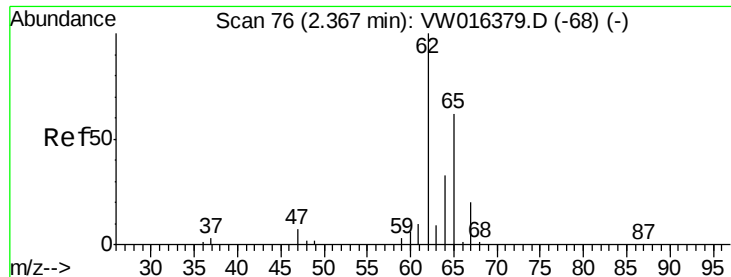
52 32.1 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 20.704 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

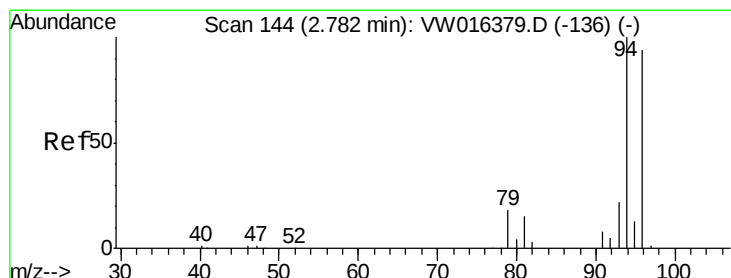
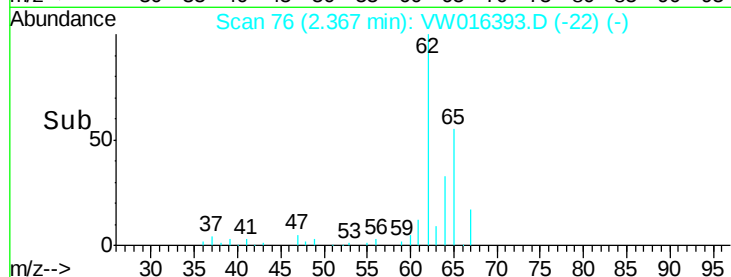
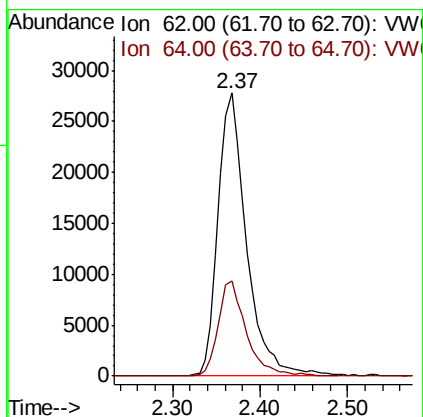
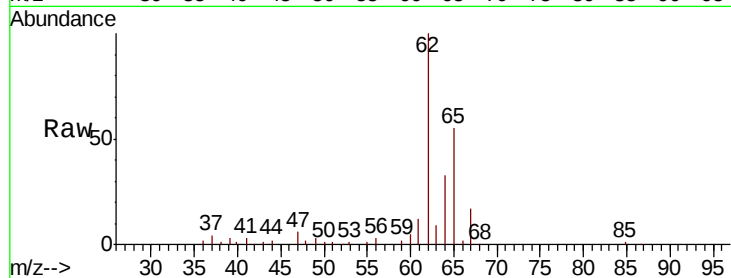
VSTD02530

Tot Ion: 62 Resp: 62946

Ion Ratio Lower Upper

62 100

64 33.4 22.0 41.0



#6

Bromomethane

Concen: 21.269 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016393.D

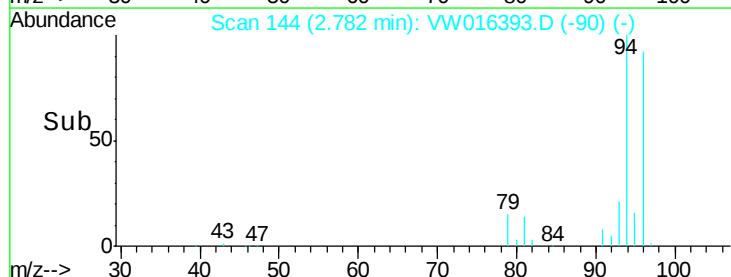
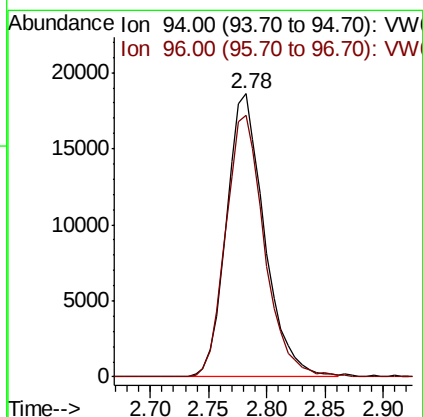
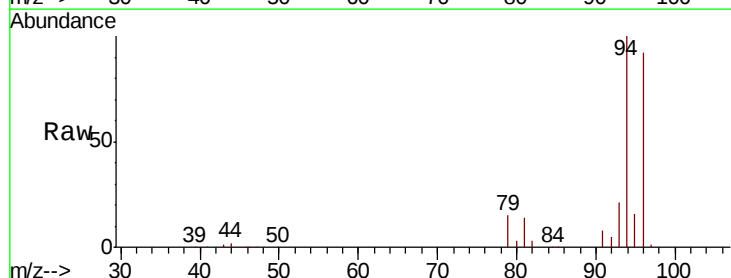
Acq: 27 Aug 2020 16:50

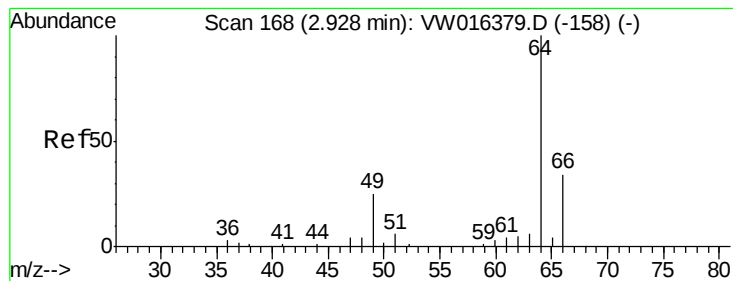
Tgt Ion: 94 Resp: 42274

Ion Ratio Lower Upper

94 100

96 94.0 9.3 176.7





#8

Chloroethane

Concen: 22.193 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

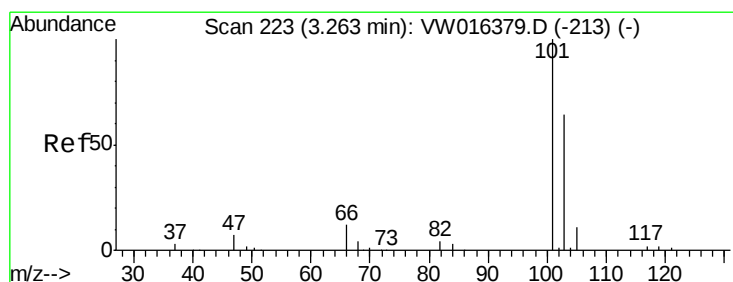
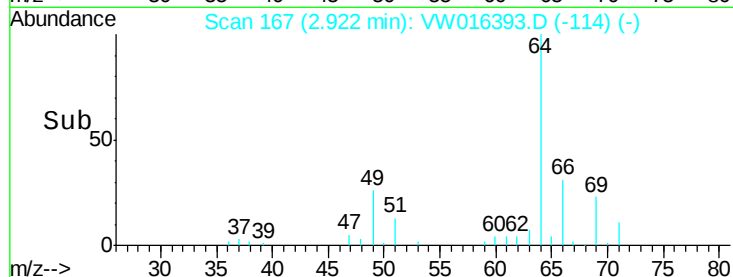
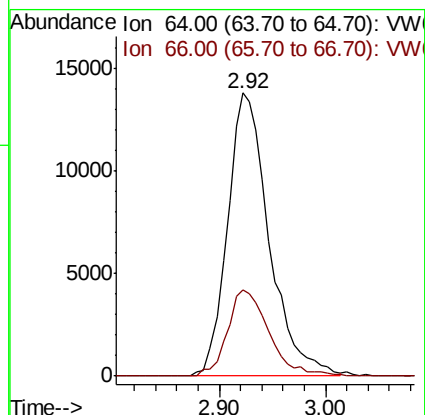
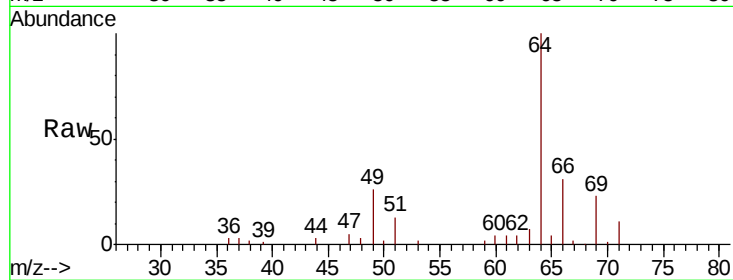
VSTD02530

Tot Ion: 64 Resp: 37623

Ion Ratio Lower Upper

64 100

66 30.6 24.1 44.8



#9

Trichlorofluoromethane

Concen: 21.072 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW016393.D

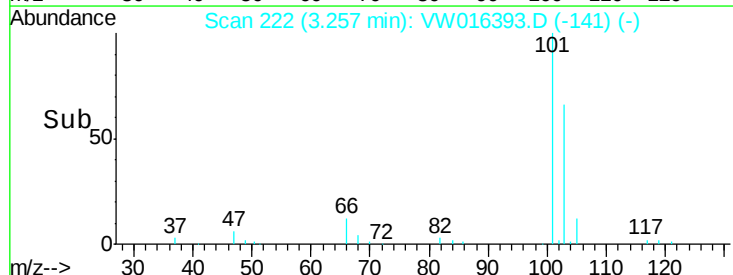
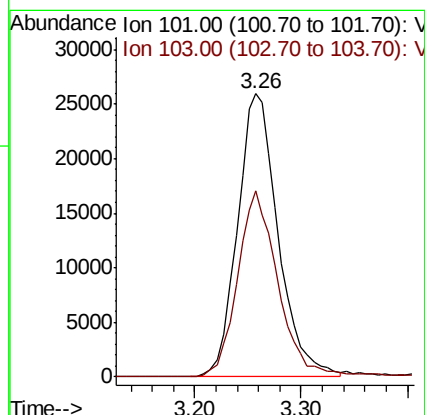
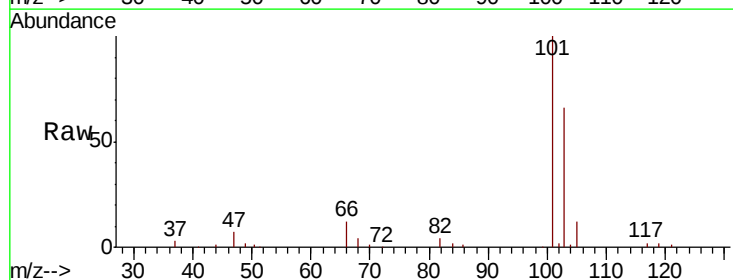
Acq: 27 Aug 2020 16:50

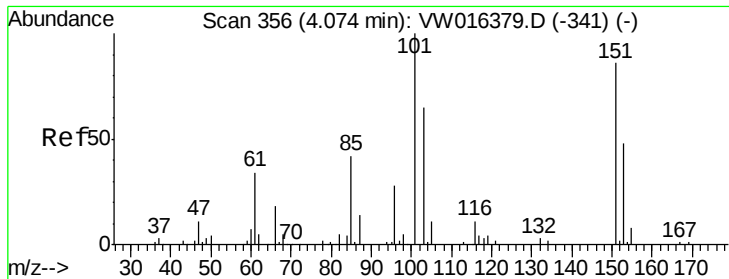
Tgt Ion: 101 Resp: 69331

Ion Ratio Lower Upper

101 100

103 65.1 44.8 83.2





#11

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

Concen: 22.472 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampled :

VSTD02530

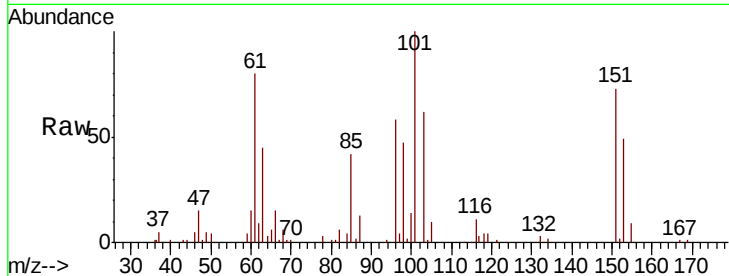
Tot Ion:101 Resp: 80707

Ion Ratio Lower Upper

101 100

85 43.3 31.8 47.6

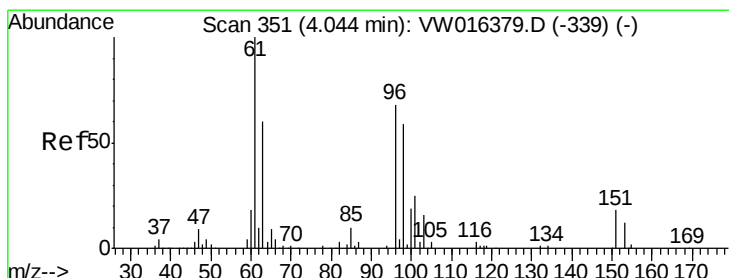
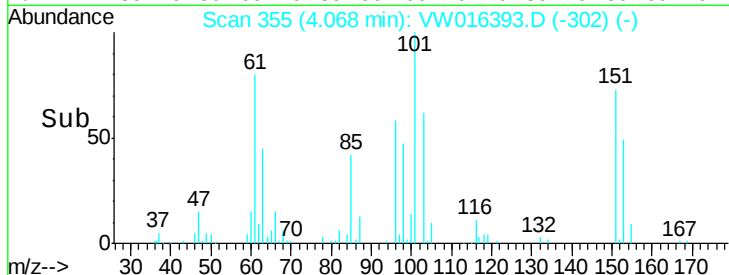
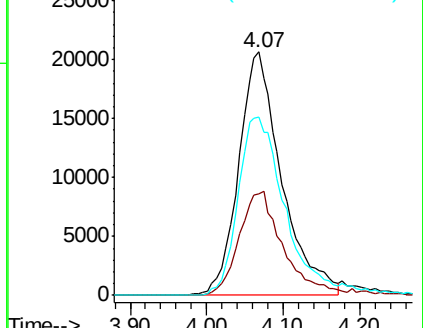
151 78.6 60.9 91.3



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: 22.377 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

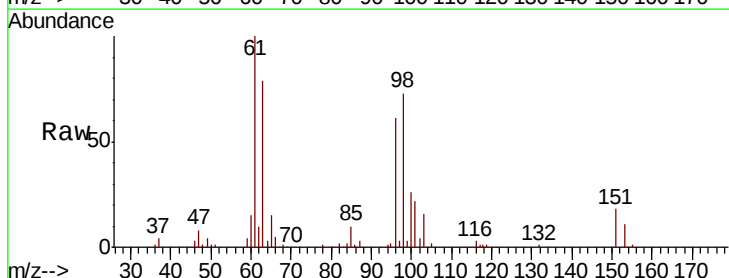
Tgt Ion: 96 Resp: 77296

Ion Ratio Lower Upper

96 100

61 163.2 112.3 208.5

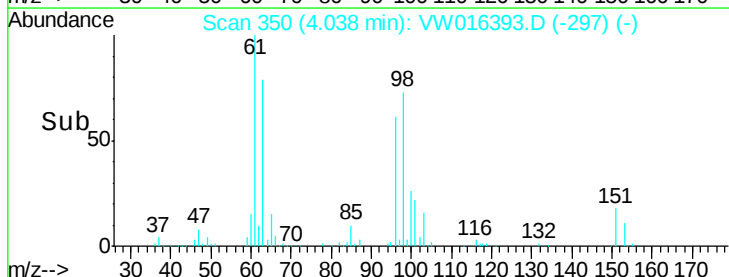
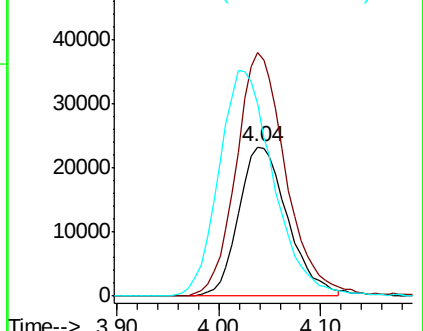
63 129.3 77.3 143.7

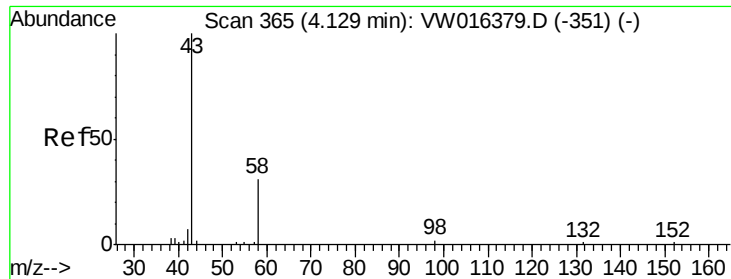


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.894 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

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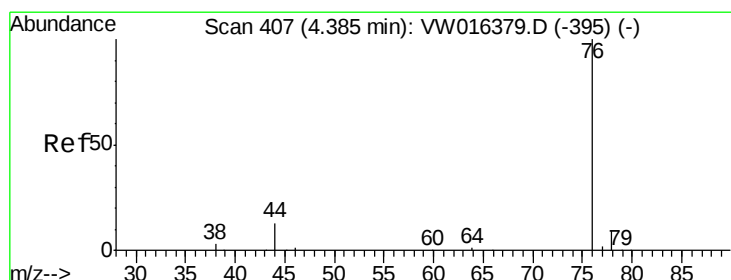
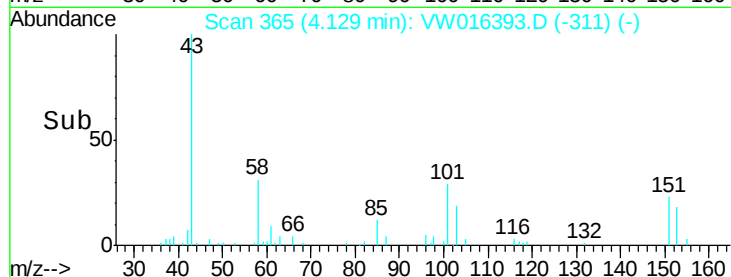
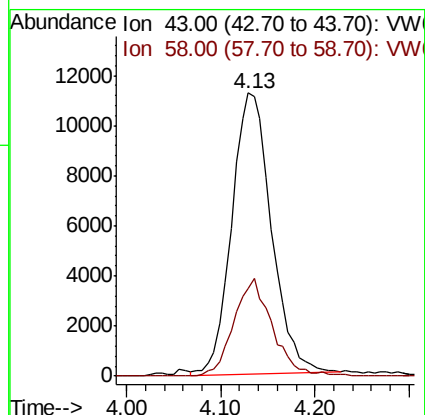
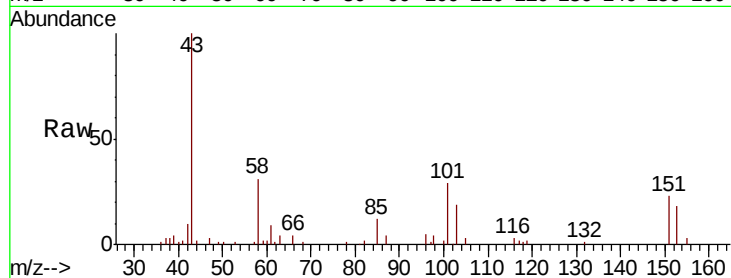
VSTD02530

Tot Ion: 43 Resp: 32715

Ion Ratio Lower Upper

43 100

58 33.3 0.0 63.8



#14

Carbon disulfide

Concen: 20.928 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW016393.D

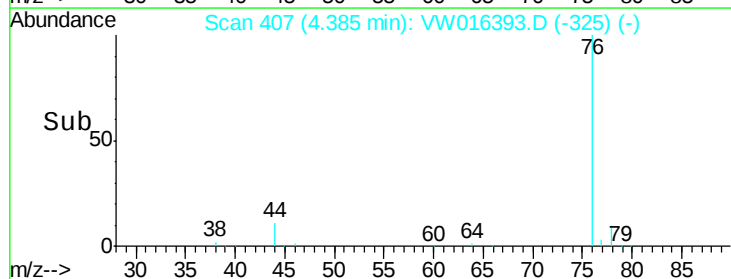
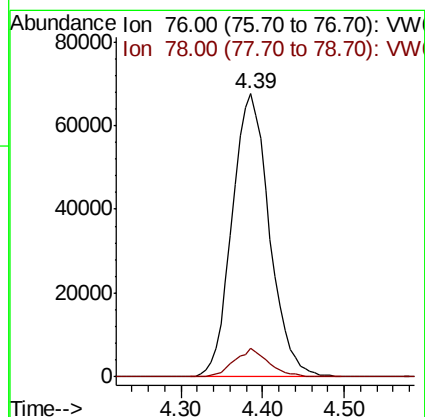
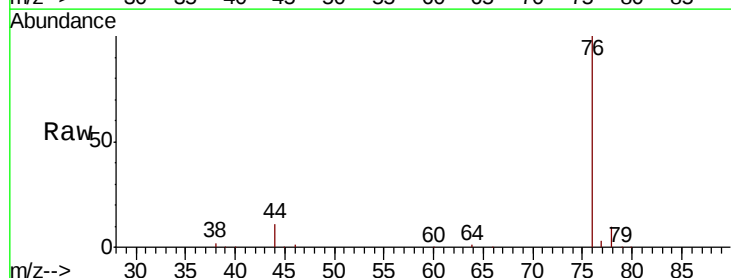
Acq: 27 Aug 2020 16:50

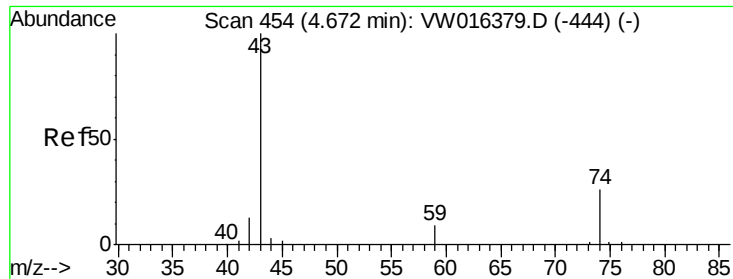
Tgt Ion: 76 Resp: 214339

Ion Ratio Lower Upper

76 100

78 10.2 7.7 11.5

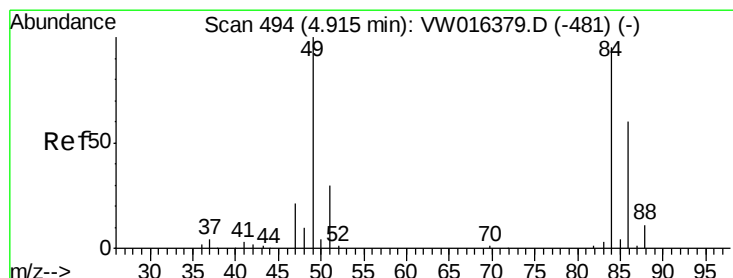
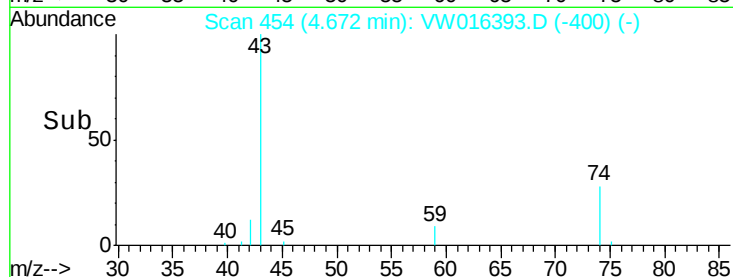
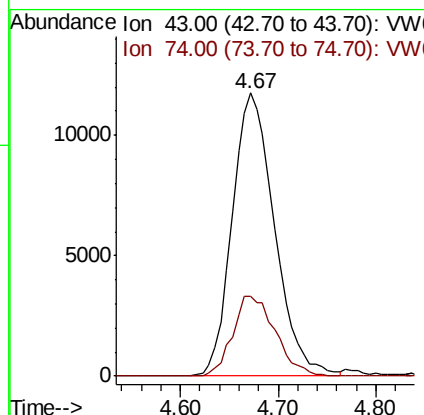
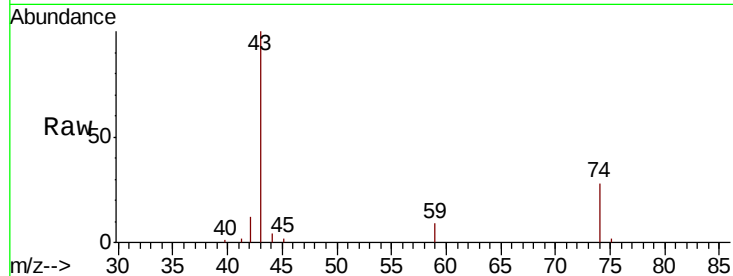




#15
Methyl Acetate
Concen: 26.828 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW016393.D
Acq: 27 Aug 2020 16:50

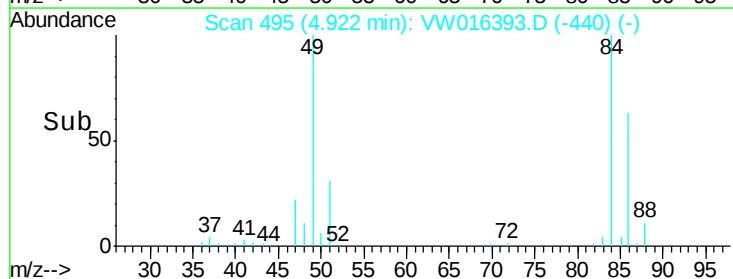
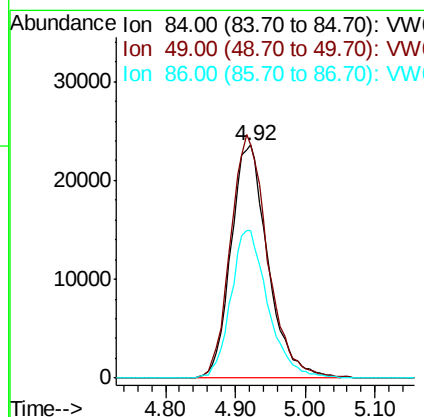
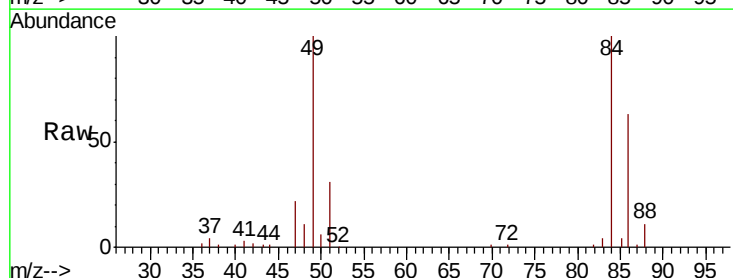
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

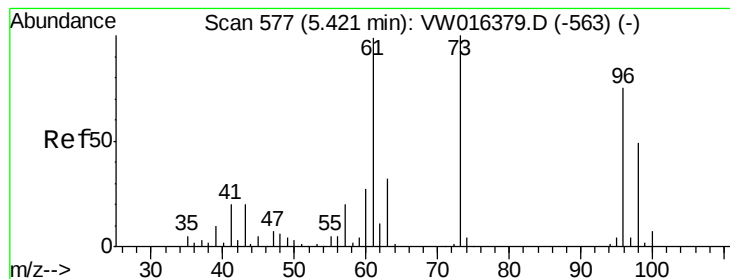
Tot Ion: 43 Resp: 35393
Ion Ratio Lower Upper
43 100
74 28.4 21.0 31.6



#16
Methylene chloride
Concen: 18.002 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW016393.D
Acq: 27 Aug 2020 16:50

Tgt Ion: 84 Resp: 86592
Ion Ratio Lower Upper
84 100
49 100.1 75.3 139.9
86 63.5 43.3 80.3



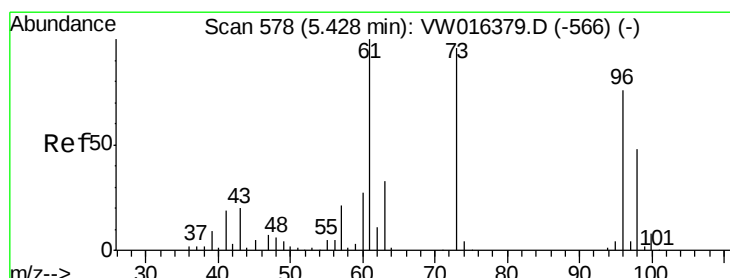
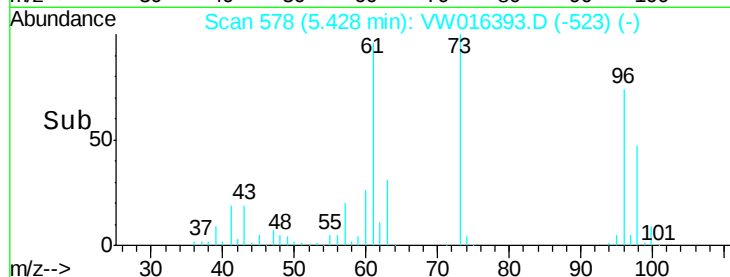
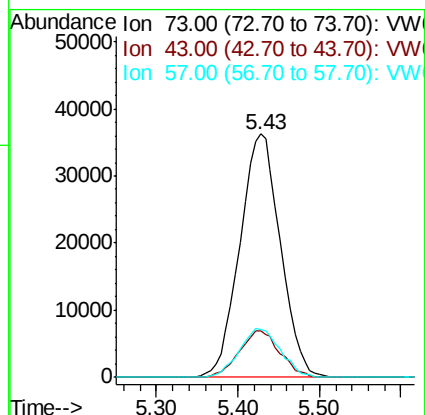
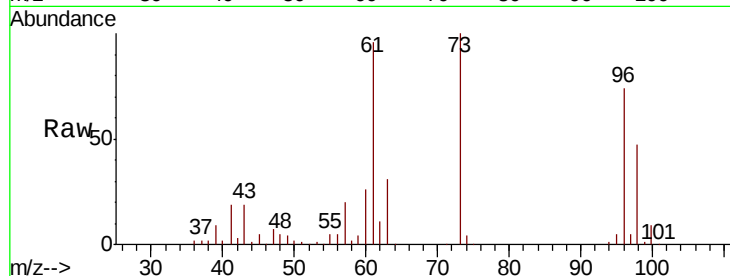


#17

Methvl tert-butvl Ether
 Concen: 24.758 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

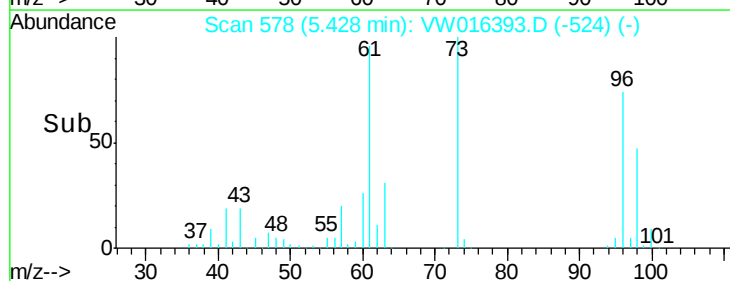
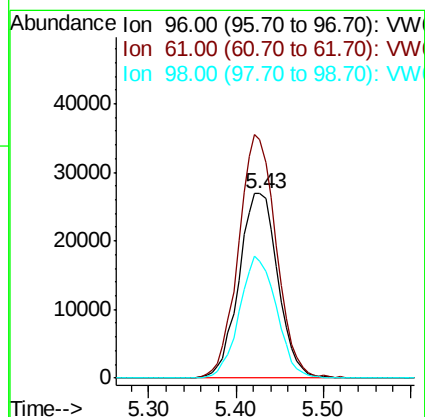
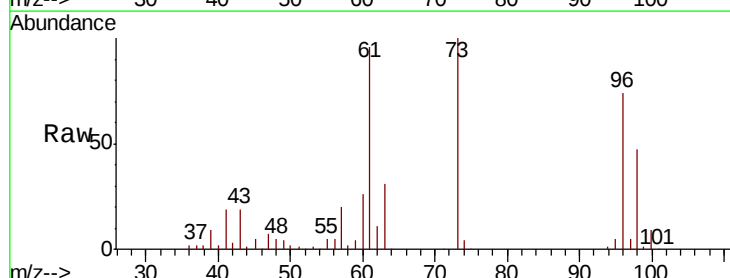
Tot Ion: 73 Resp: 125044
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.3 22.9
 57 20.2 16.1 24.1

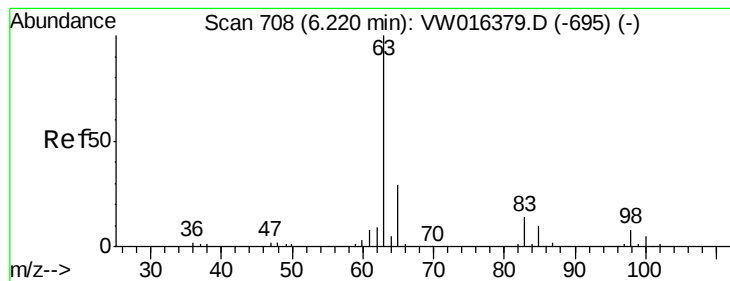


#18

trans-1,2-Dichloroethene
 Concen: 22.971 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

Tgt Ion: 96 Resp: 83351
 Ion Ratio Lower Upper
 96 100
 61 129.6 89.9 167.0
 98 63.6 41.6 77.2





#19

1,1-Dichloroethane

Concen: 23.033 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

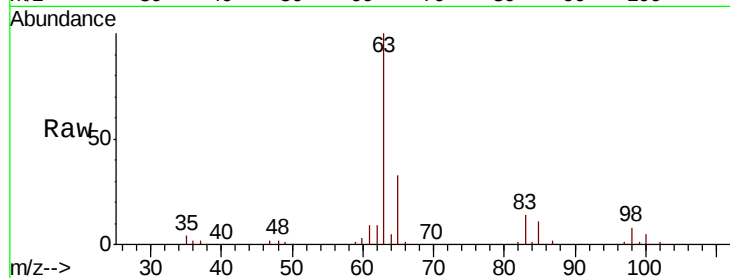
Tot Ion: 63 Resp: 137705

Ion Ratio Lower Upper

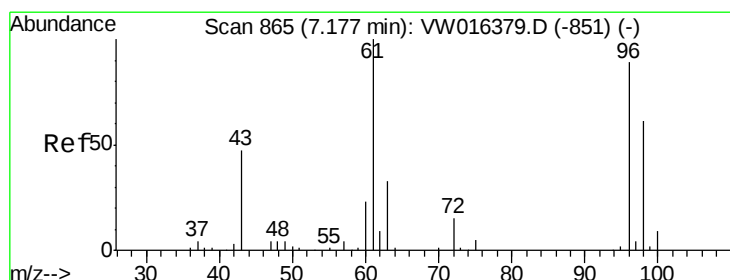
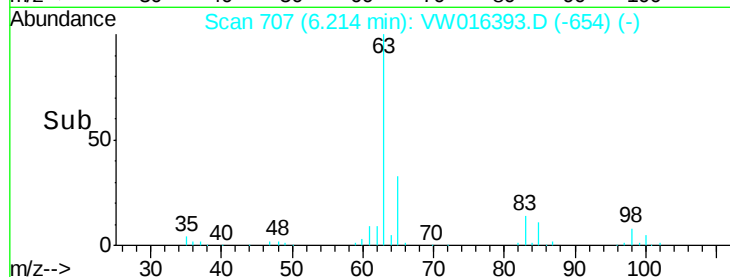
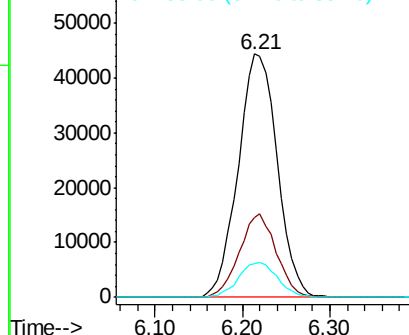
63 100

65 32.9 21.8 40.6

83 14.0 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 53.559 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016393.D

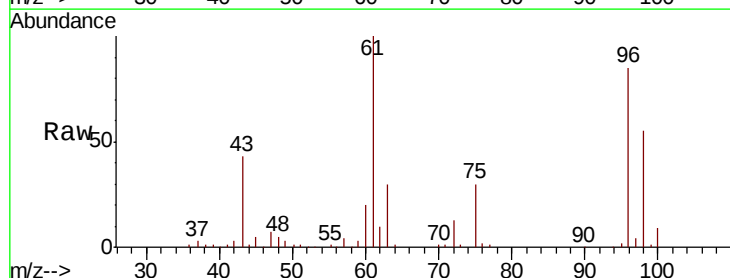
Acq: 27 Aug 2020 16:50

Tgt Ion: 43 Resp: 50034

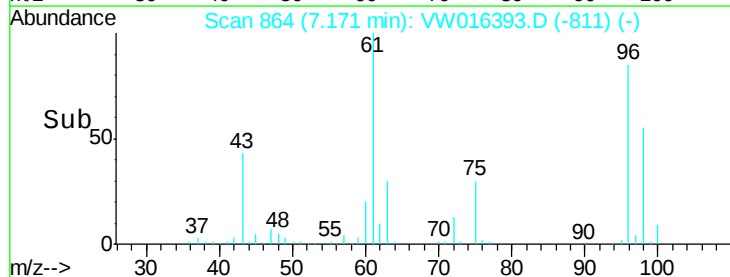
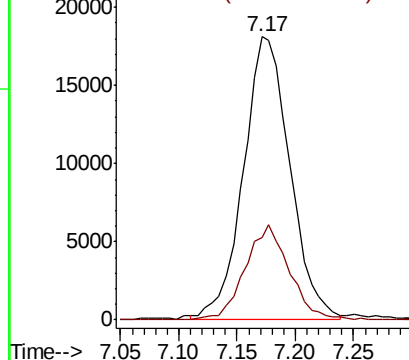
Ion Ratio Lower Upper

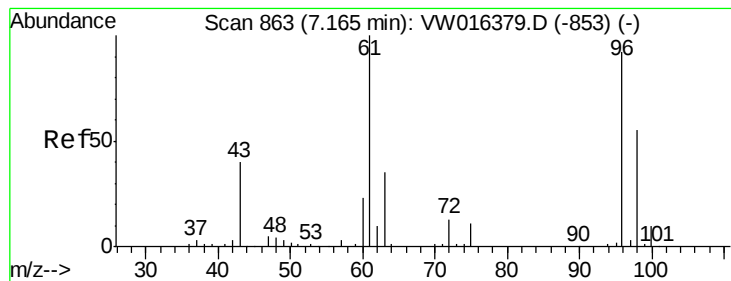
43 100

72 30.8 16.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 23.597 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampled :

VSTD02530

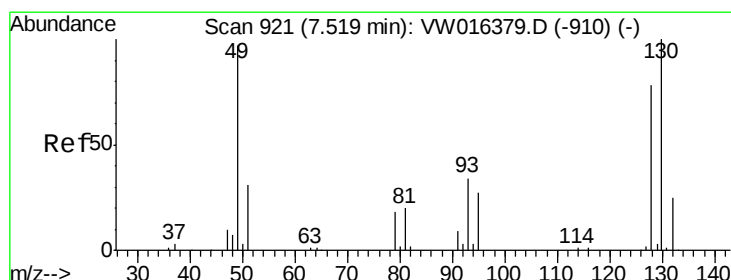
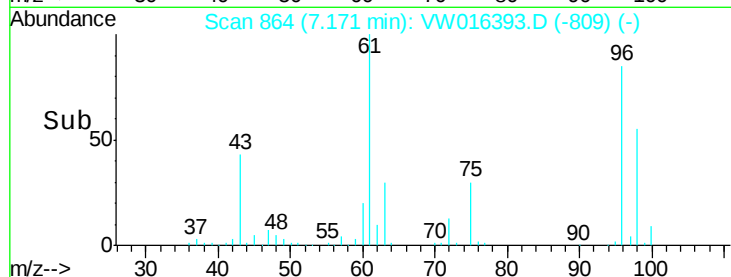
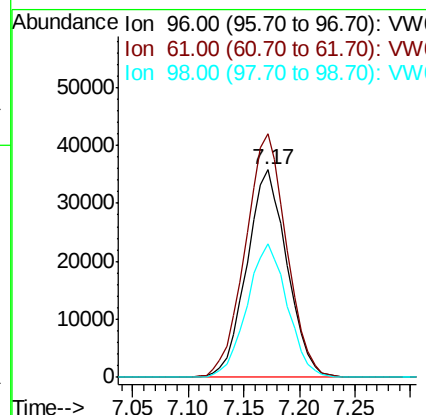
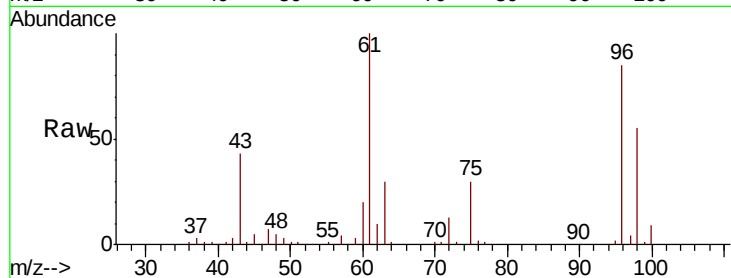
Tot Ion: 96 Resp: 90049

Ion Ratio Lower Upper

96 100

61 117.3 84.9 157.7

98 64.2 46.8 86.8



#23

Bromochloromethane

Concen: 24.988 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Tgt Ion: 128 Resp: 43739

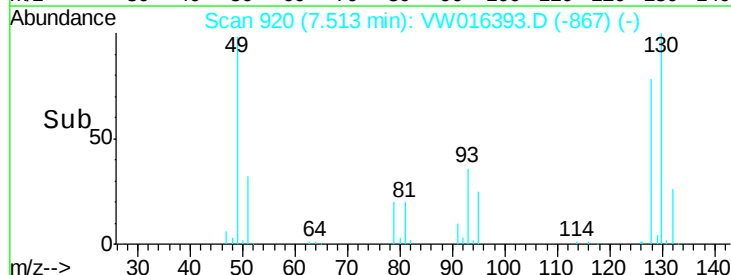
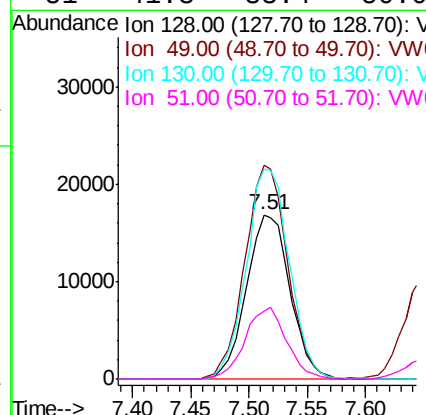
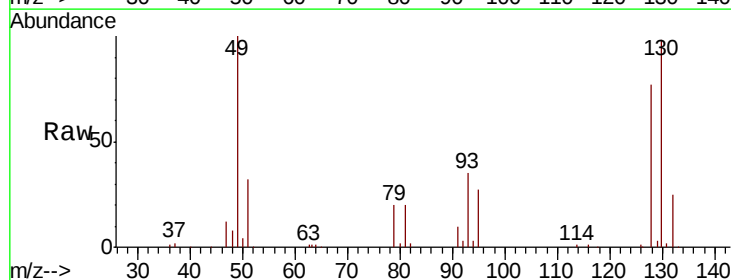
Ion Ratio Lower Upper

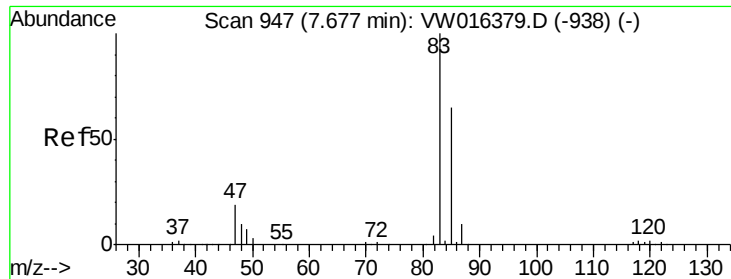
128 100

49 130.1 94.5 175.5

130 127.9 83.0 154.1

51 41.3 33.4 50.0

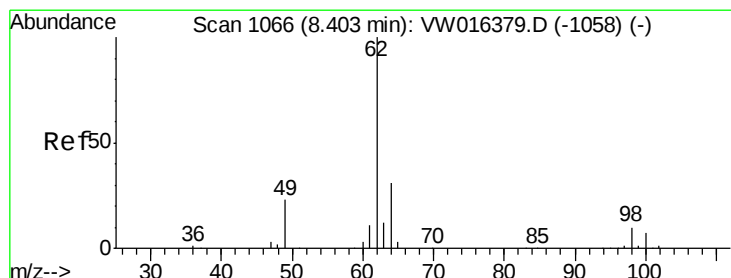
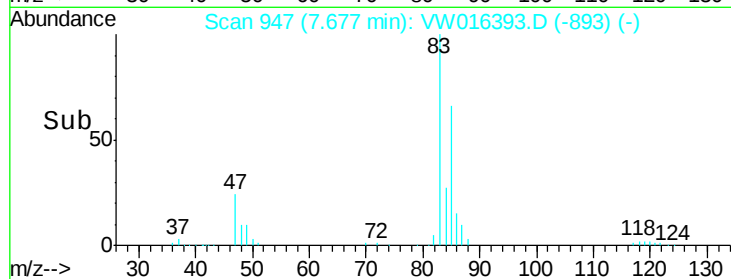
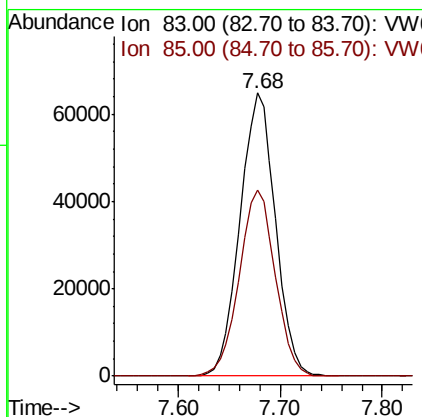
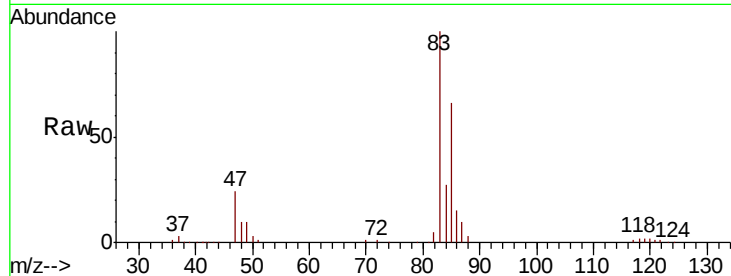




#25
Chloroform
Concen: 24.304 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016393.D
Acq: 27 Aug 2020 16:50

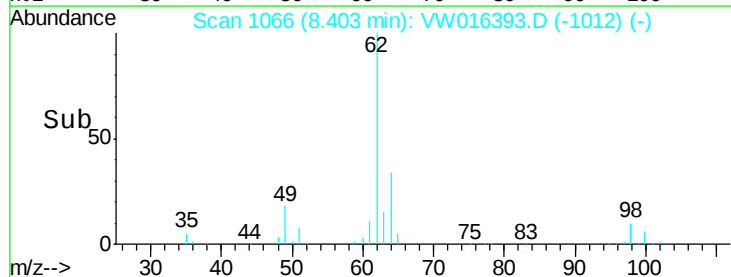
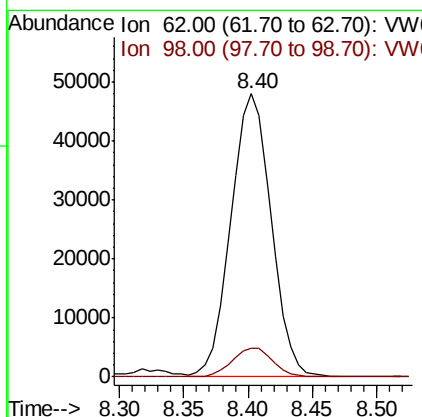
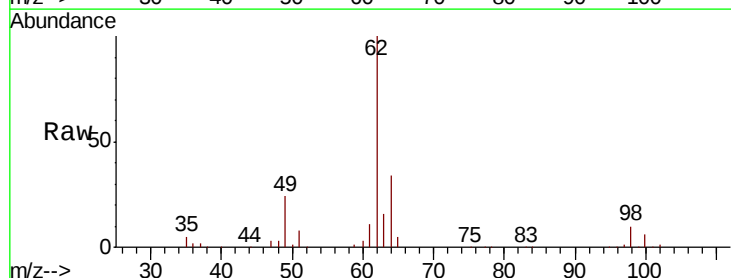
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

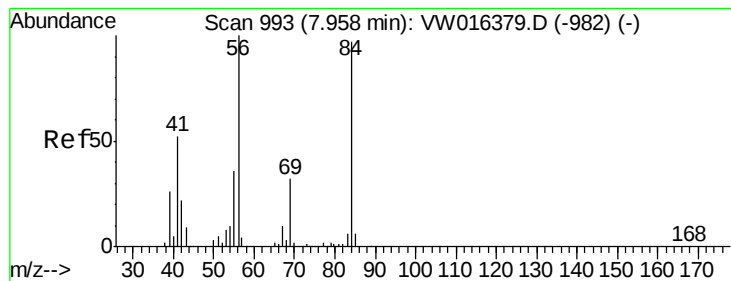
Tot Ion: 83 Resp: 156479
Ion Ratio Lower Upper
83 100
85 66.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 25.898 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016393.D
Acq: 27 Aug 2020 16:50

Tgt Ion: 62 Resp: 104435
Ion Ratio Lower Upper
62 100
98 10.2 7.8 11.8





#30

Cyclohexane

Concen: 21.838 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampled :

VSTD02530

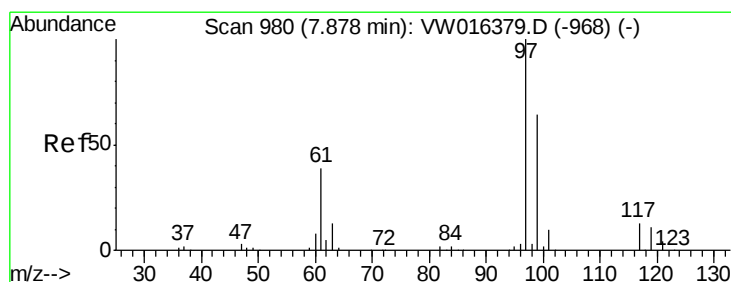
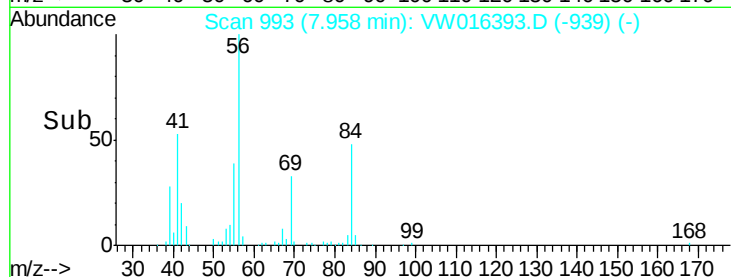
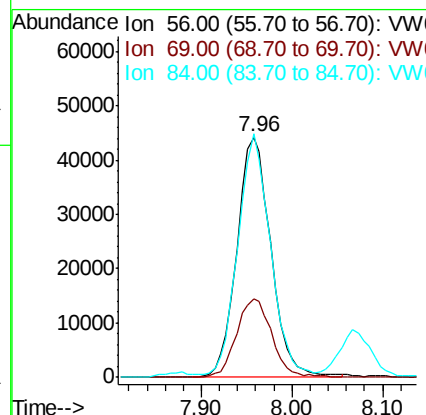
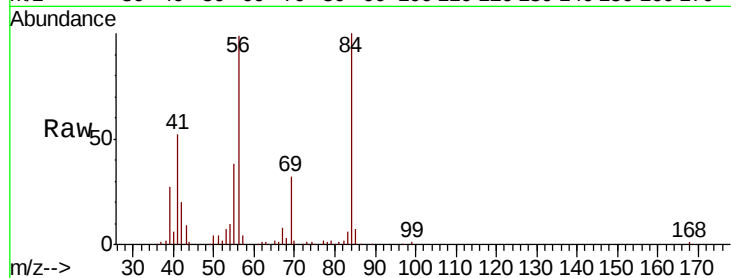
Tot Ion: 56 Resp: 115309

Ion Ratio Lower Upper

56 100

69 33.4 26.6 40.0

84 96.7 78.4 117.6



#31

1,1,1-Trichloroethane

Concen: 23.284 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

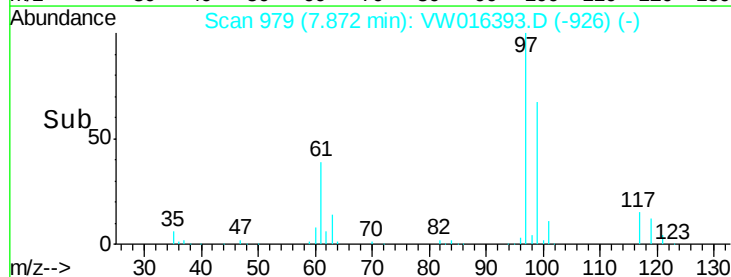
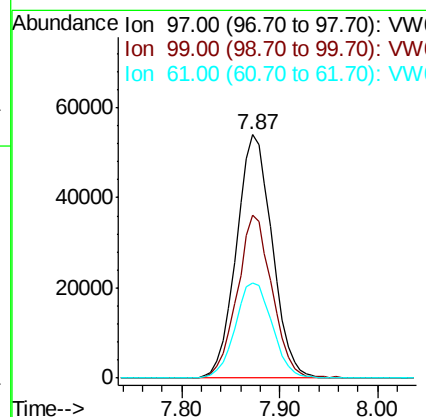
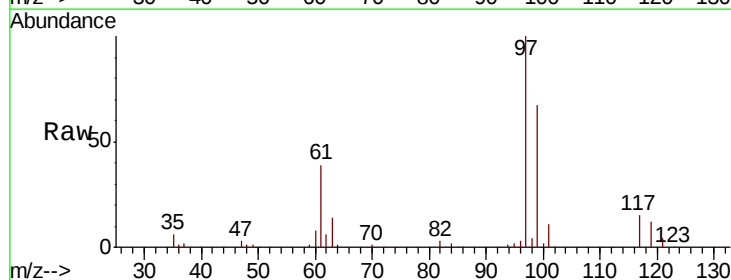
Tgt Ion: 97 Resp: 136815

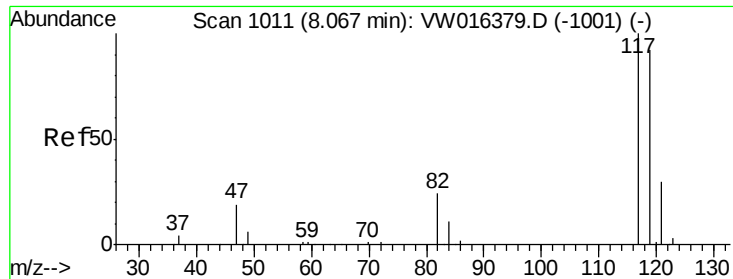
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 40.2 32.0 48.0





#32

Carbon tetrachloride

Concen: 23.442 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

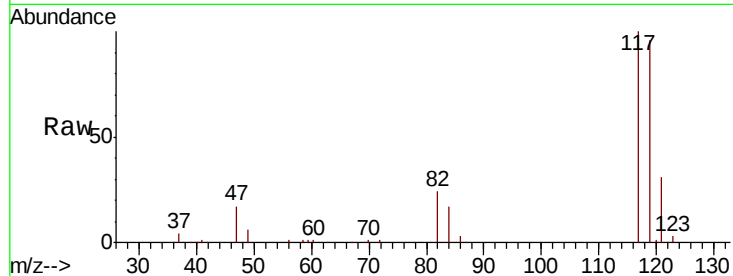
VSTD02530

Tot Ion:117 Resp: 130785

Ion Ratio Lower Upper

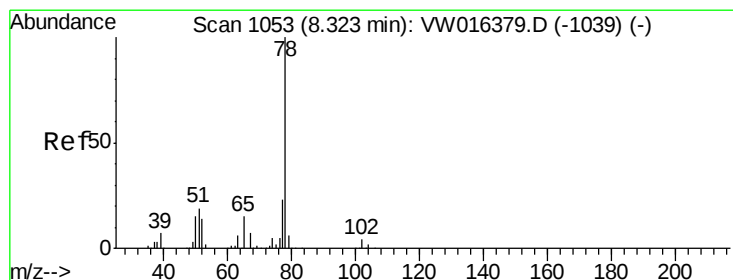
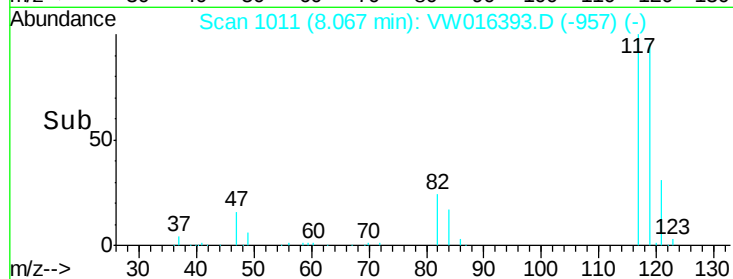
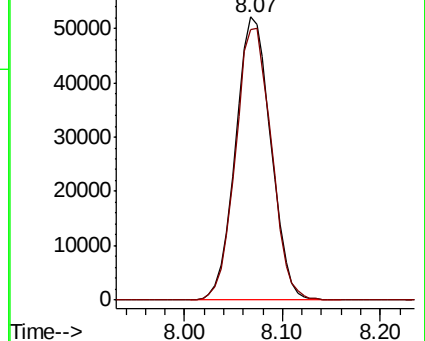
117 100

119 97.2 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.034 ug/L

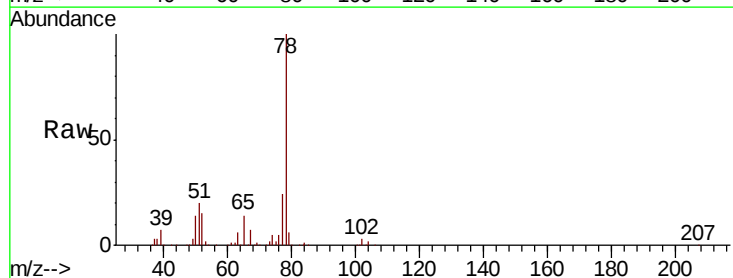
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

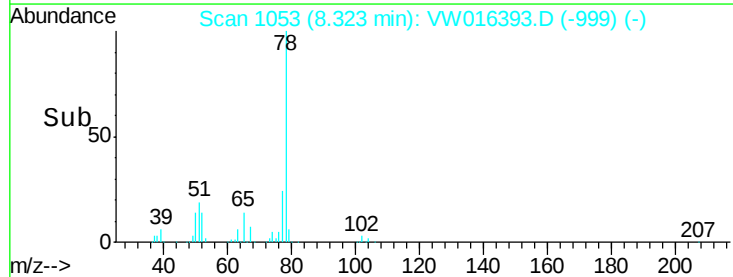
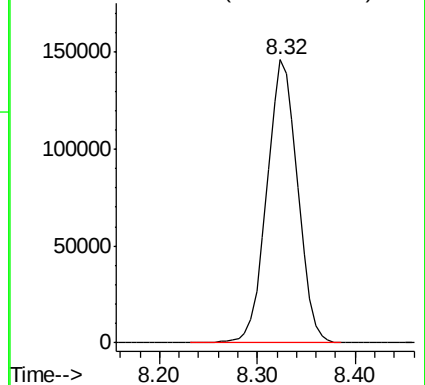
Lab File: VW016393.D

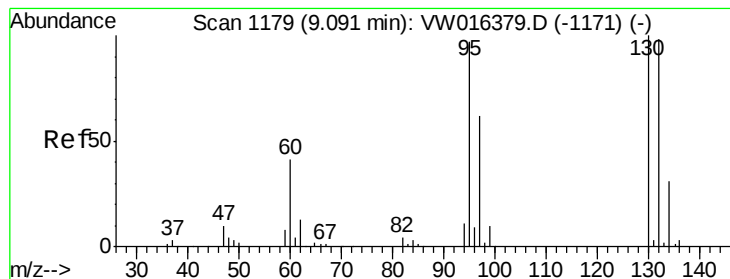
Acq: 27 Aug 2020 16:50

Tgt Ion: 78 Resp: 322776



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 22.587 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion: 95 Resp: 89618

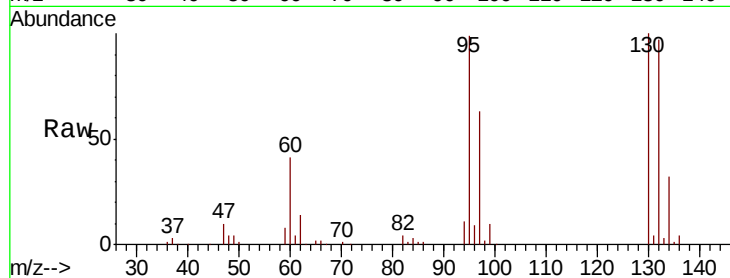
Ion Ratio Lower Upper

95 100

97 65.2 44.9 83.5

132 100.5 68.2 126.6

130 104.4 71.5 132.9

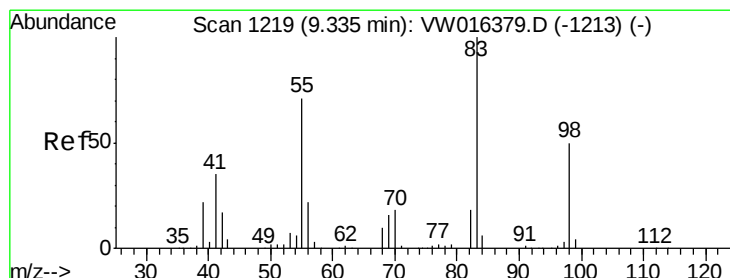
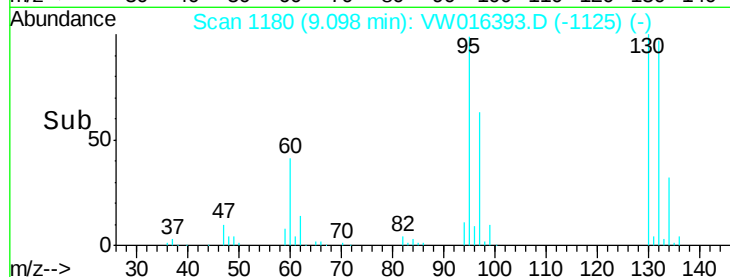
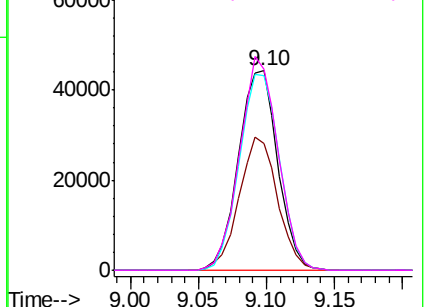


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 22.557 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

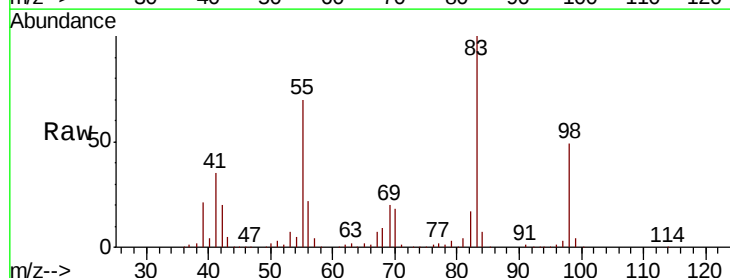
Tgt Ion: 83 Resp: 146099

Ion Ratio Lower Upper

83 100

55 69.1 55.6 83.4

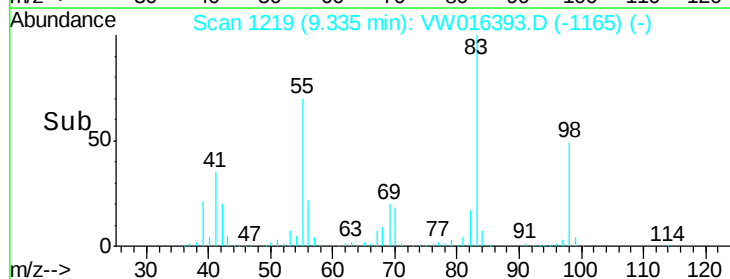
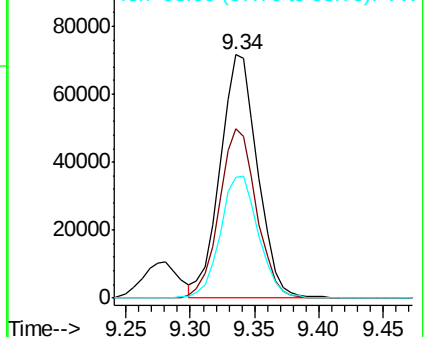
98 50.6 40.6 61.0

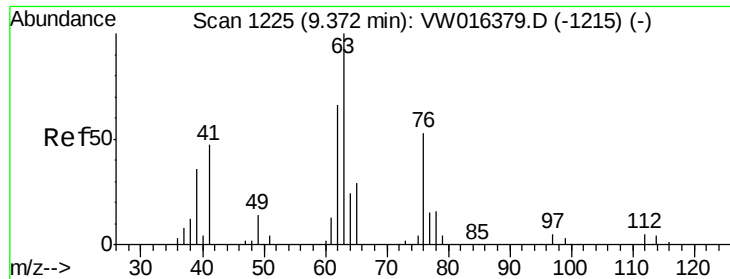


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

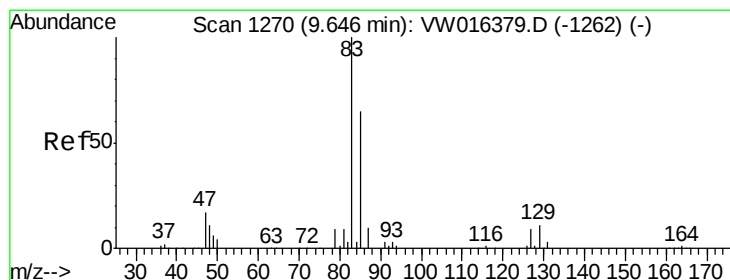
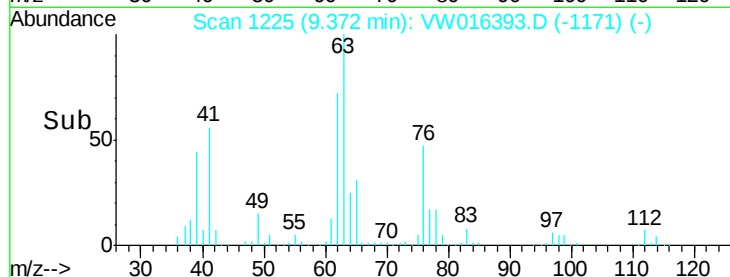
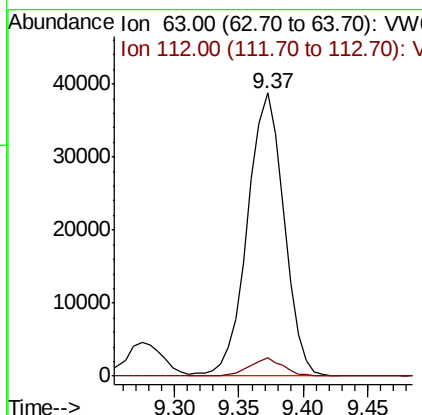
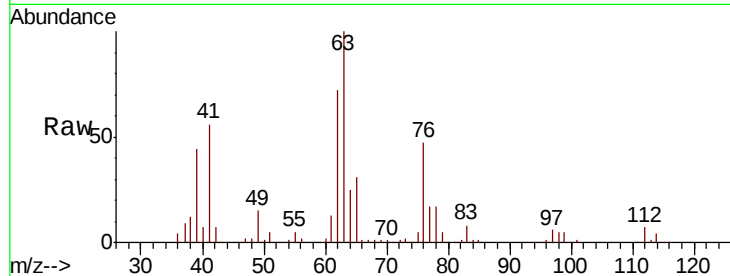




#40
 1,2-Dichloropropane
 Concen: 23.166 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

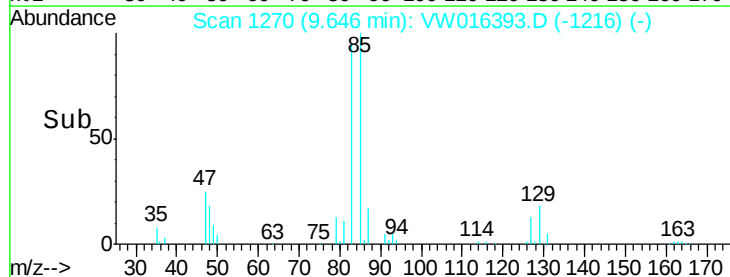
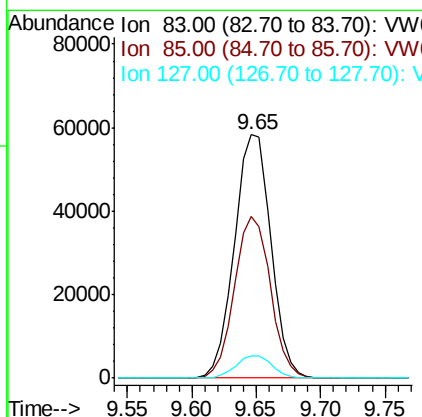
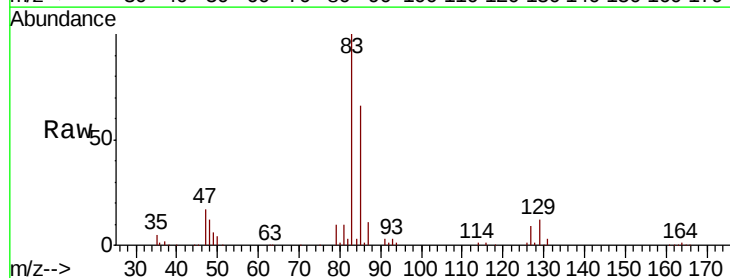
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

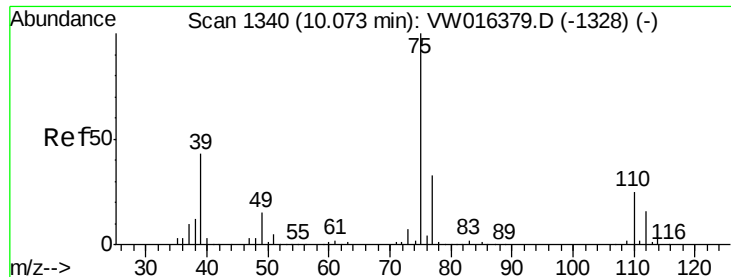
Tot Ion: 63 Resp: 76342
 Ion Ratio Lower Upper
 63 100
 112 5.9 4.4 6.6



#41
 Bromodichloromethane
 Concen: 24.573 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

Tgt Ion: 83 Resp: 114712
 Ion Ratio Lower Upper
 83 100
 85 66.5 44.7 83.1
 127 8.9 7.0 10.4

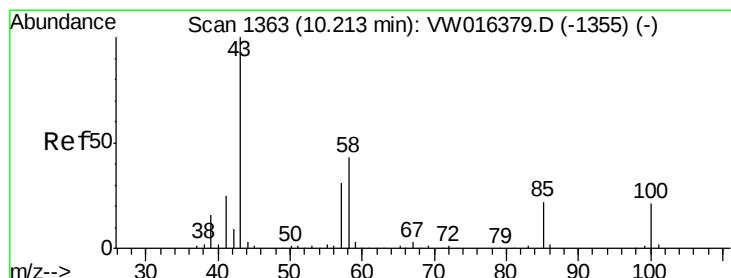
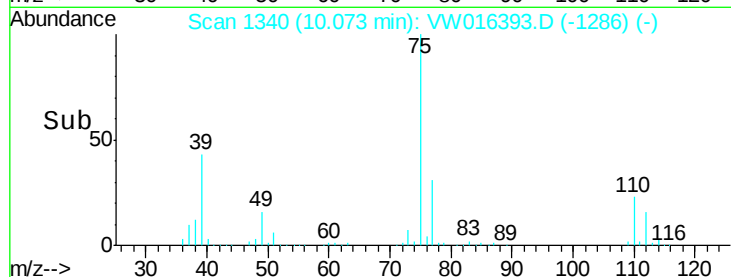
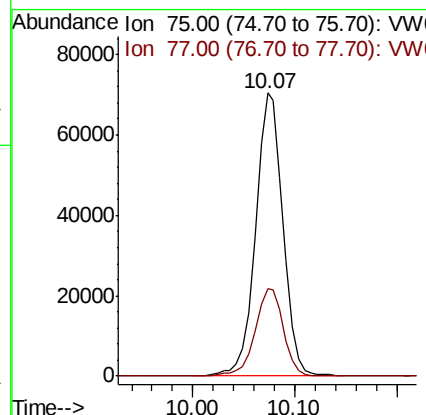
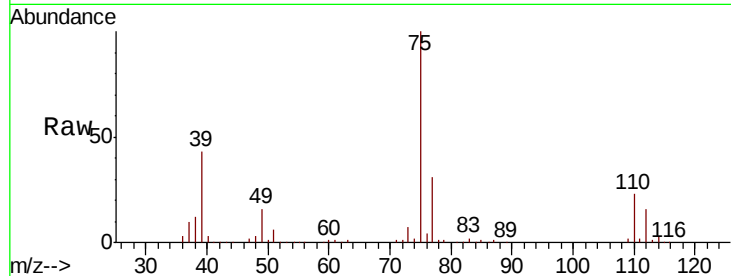




#42
 cis-1,3-Dichloropropene
 Concen: 24.444 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

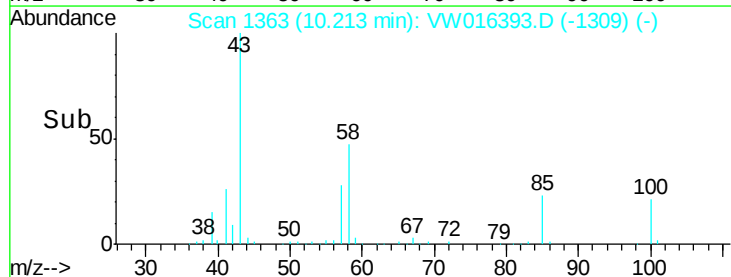
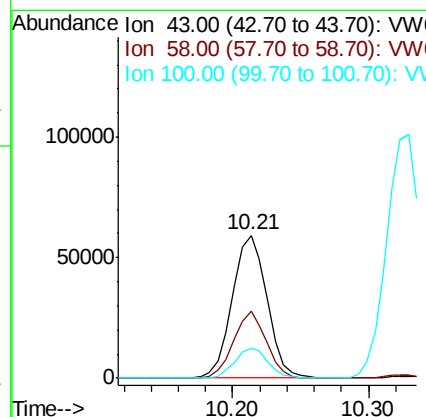
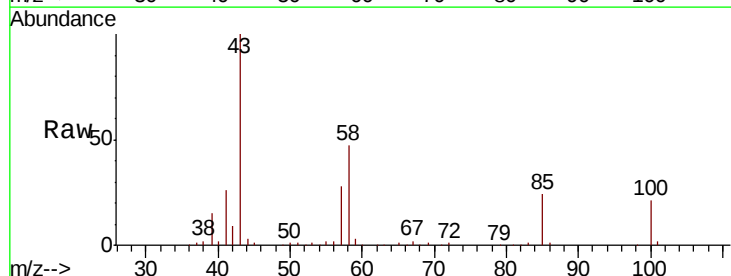
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

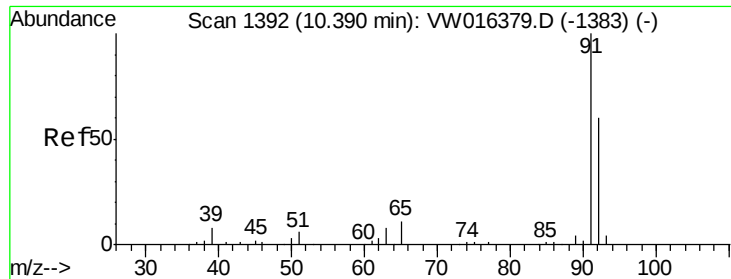
Tot Ion: 75 Resp: 131892
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.0 40.8



#43
 4-Methyl-2-pentanone
 Concen: 53.395 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

Tgt Ion: 43 Resp: 105209
 Ion Ratio Lower Upper
 43 100
 58 44.1 34.9 52.3
 100 20.2 15.9 23.9





#44

Toluene

Concen: 23.776 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

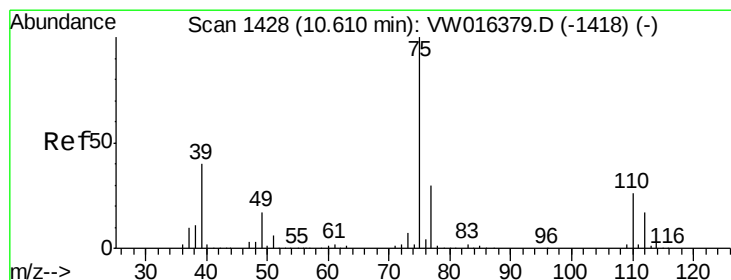
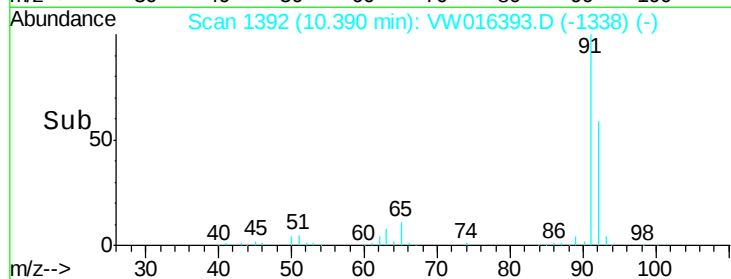
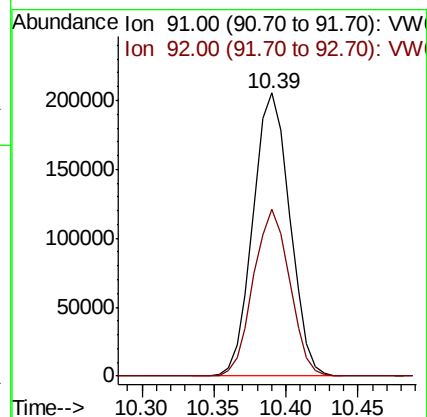
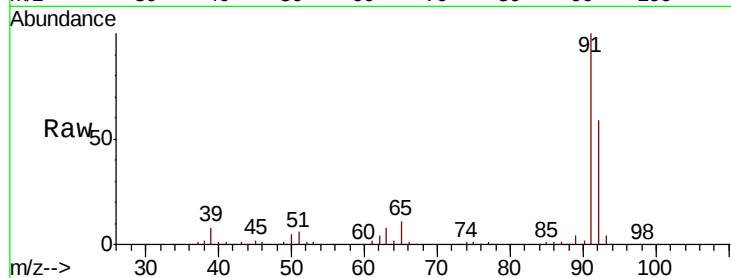
VSTD02530

Tot Ion: 91 Resp: 362837

Ion Ratio Lower Upper

91 100

92 58.7 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 25.265 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016393.D

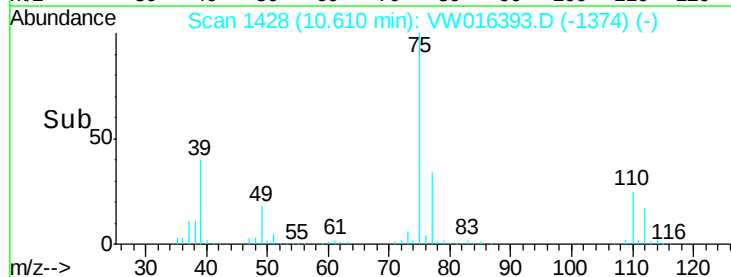
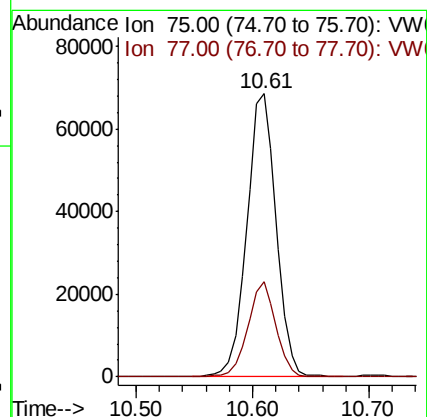
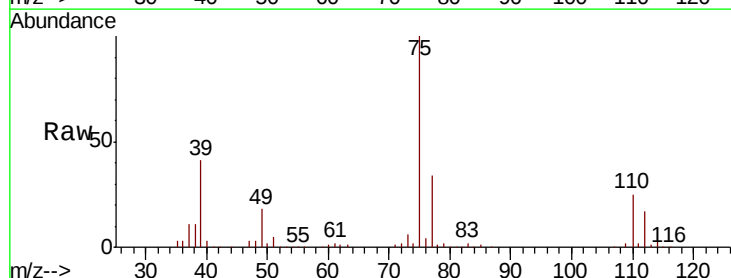
Acq: 27 Aug 2020 16:50

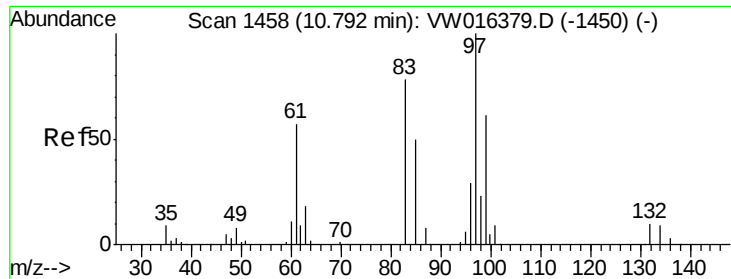
Tgt Ion: 75 Resp: 120529

Ion Ratio Lower Upper

75 100

77 33.8 21.3 39.5

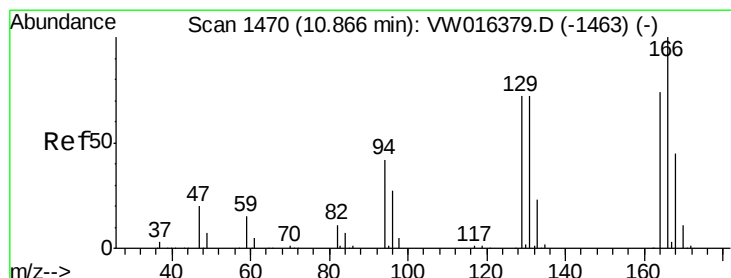
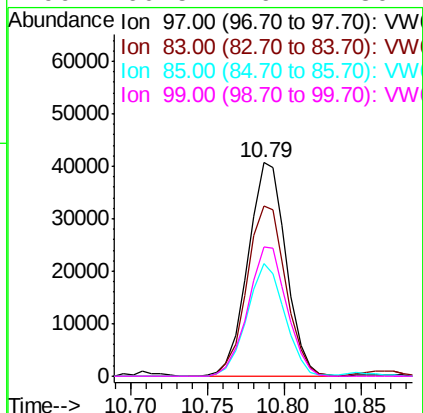
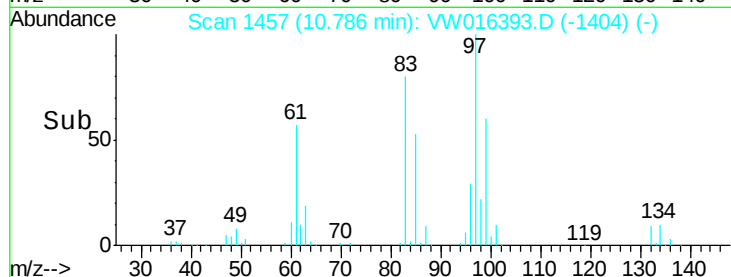
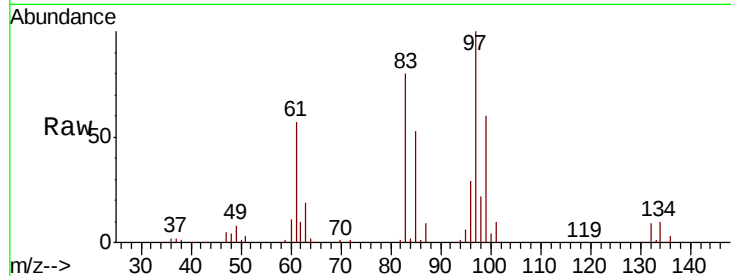




#46
1,1,2-Trichloroethane
Concen: 25.996 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW016393.D
Acq: 27 Aug 2020 16:50

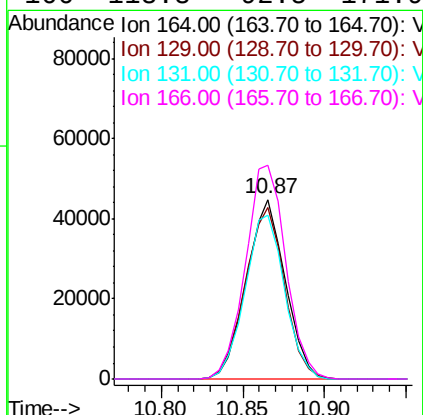
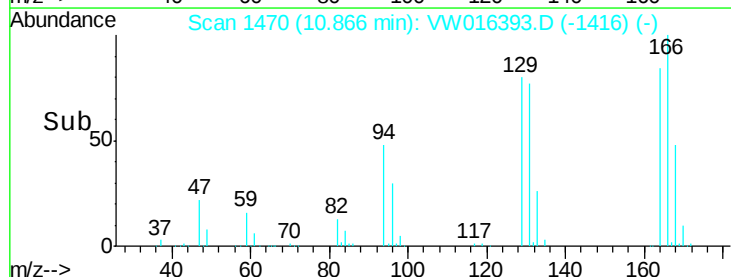
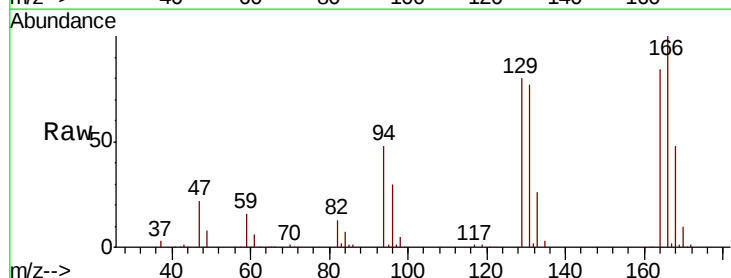
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

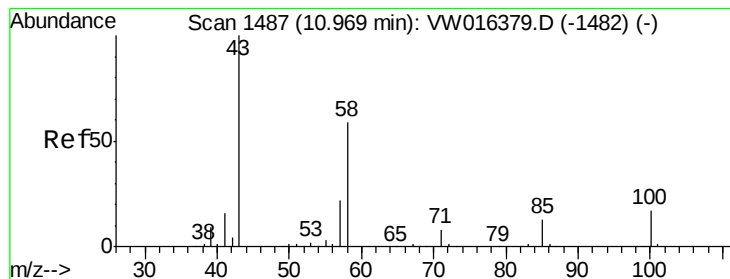
Tot Ion:	97	Resp:	70711
Ion	Ratio	Lower	Upper
97	100		
83	79.9	57.9	107.5
85	53.0	38.8	72.0
99	60.5	46.4	86.2



#47
Tetrachloroethene
Concen: 23.781 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016393.D
Acq: 27 Aug 2020 16:50

Tgt Ion:	164	Resp:	74404
Ion	Ratio	Lower	Upper
164	100		
129	95.6	71.5	132.7
131	91.1	67.4	125.2
166	118.8	92.5	171.9





#49

2-Hexanone

Concen: 58.566 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion: 43 Resp: 74757

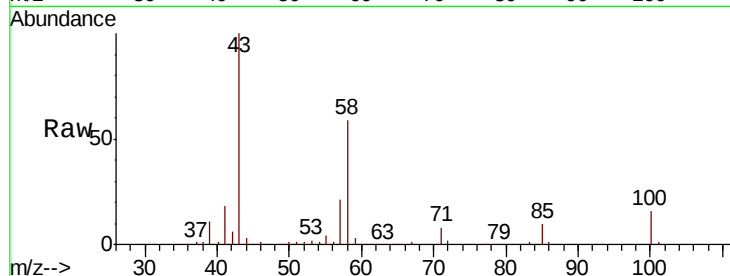
Ion Ratio Lower Upper

43 100

58 59.7 49.5 74.3

57 21.6 17.7 26.5

100 16.6 12.9 19.3

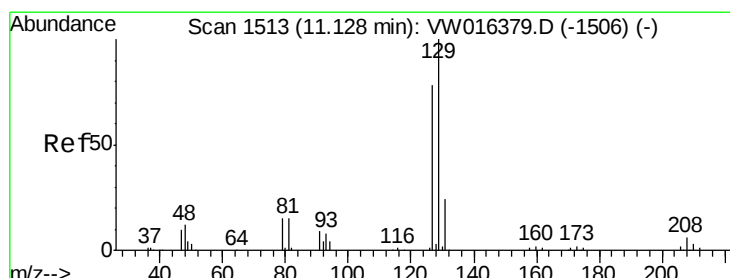
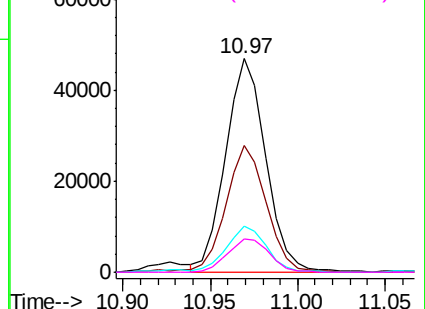
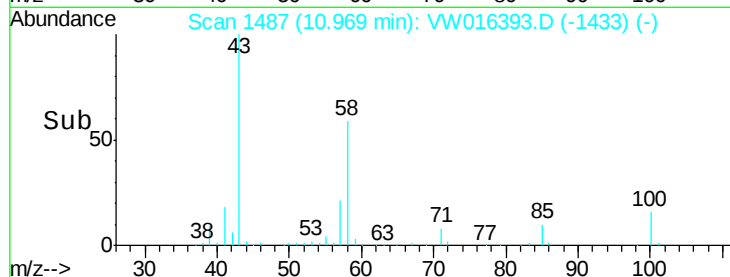


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#50

Dibromochloromethane

Concen: 25.313 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016393.D

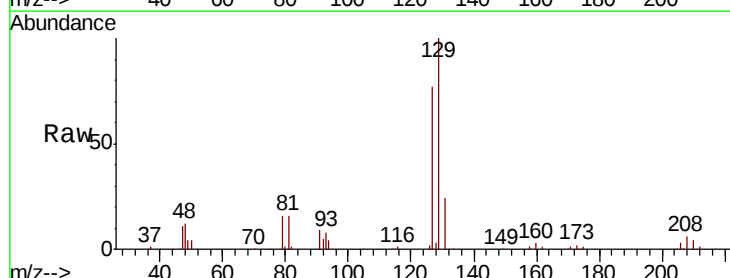
Acq: 27 Aug 2020 16:50

Tgt Ion: 129 Resp: 85750

Ion Ratio Lower Upper

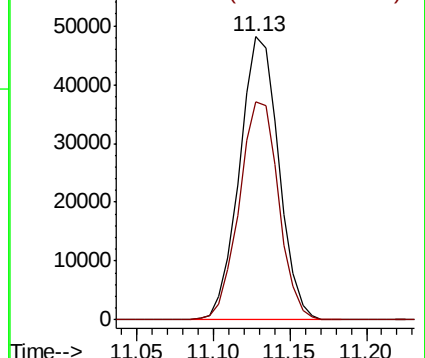
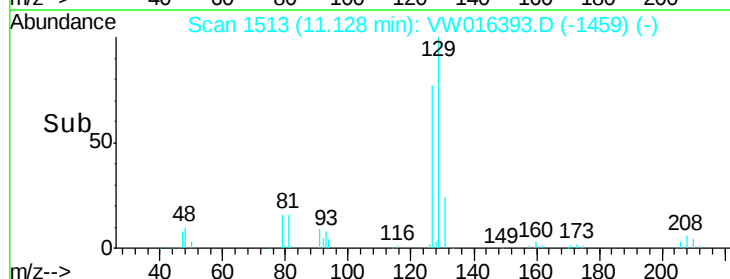
129 100

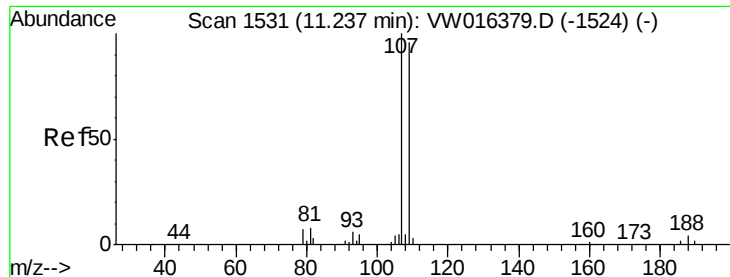
127 76.9 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

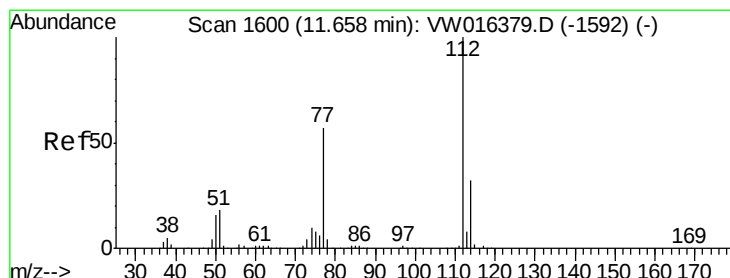
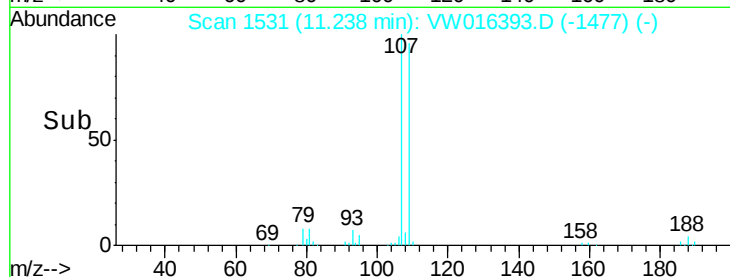
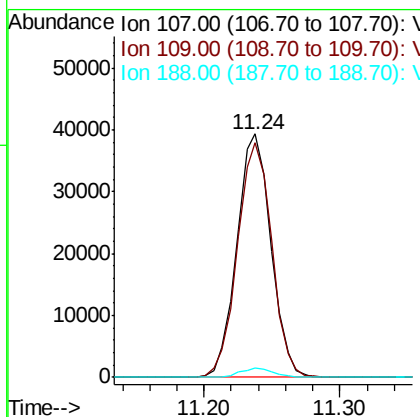
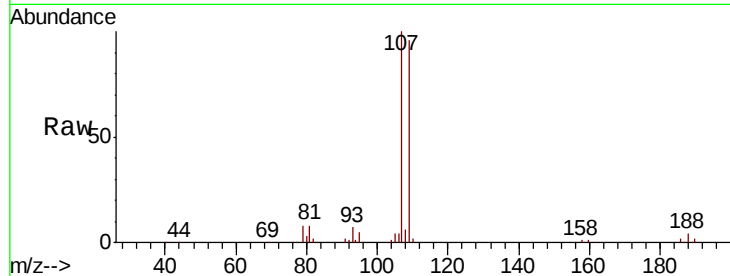




#51
 1,2-Dibromoethane
 Concen: 25.876 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

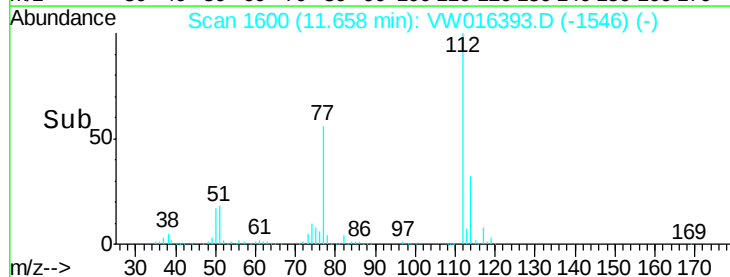
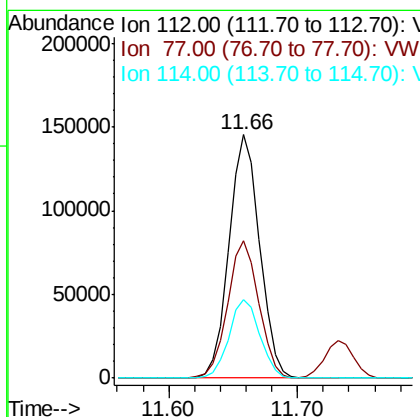
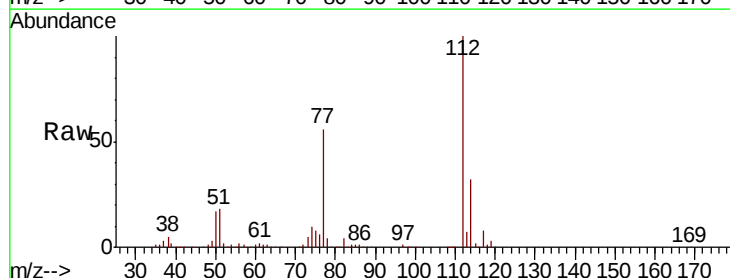
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

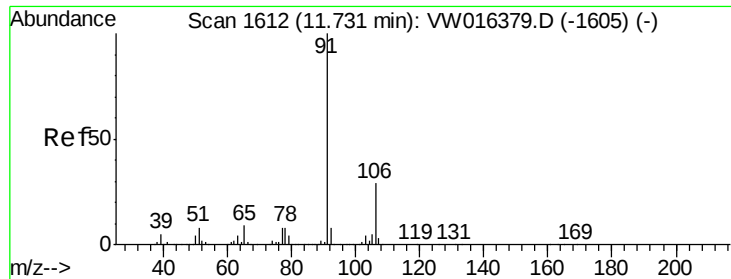
Tot Ion:107 Resp: 68893
 Ion Ratio Lower Upper
 107 100
 109 96.2 65.7 121.9
 188 3.9 3.3 4.9



#52
 Chlorobenzene
 Concen: 23.652 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

Tgt Ion:112 Resp: 241069
 Ion Ratio Lower Upper
 112 100
 77 56.2 46.9 70.3
 114 32.5 23.3 43.3

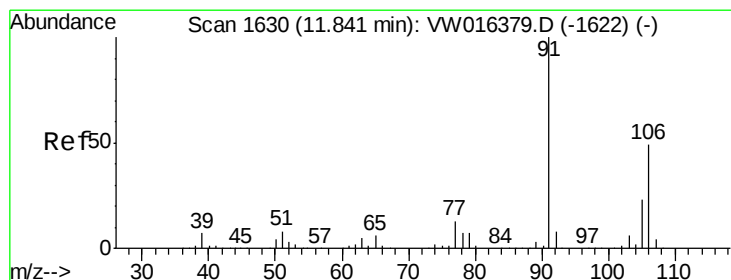
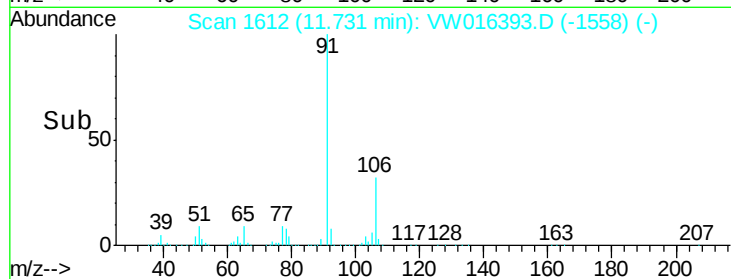
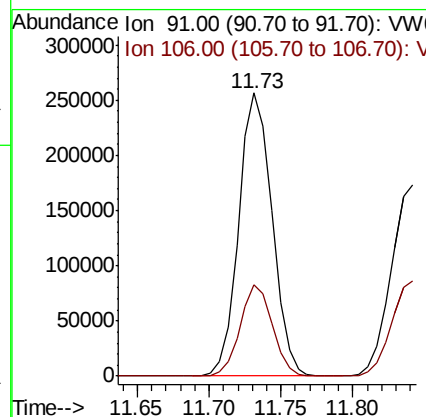
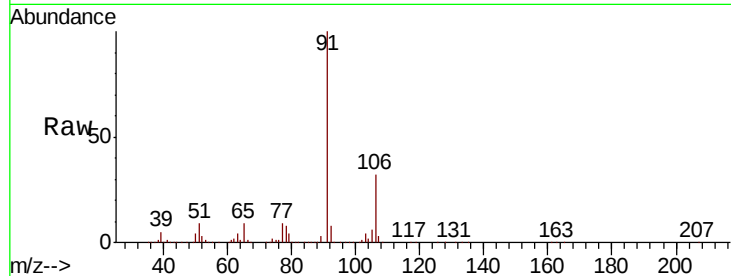




#53
Ethylbenzene
Concen: 23.531 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016393.D
Acq: 27 Aug 2020 16:50

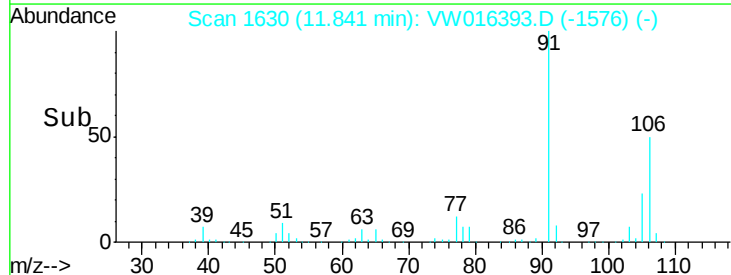
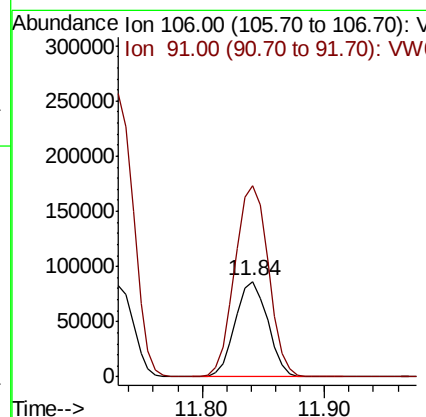
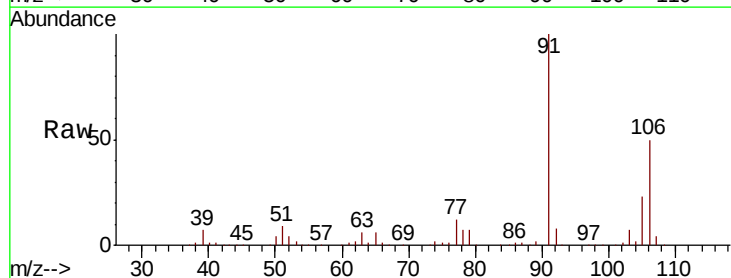
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

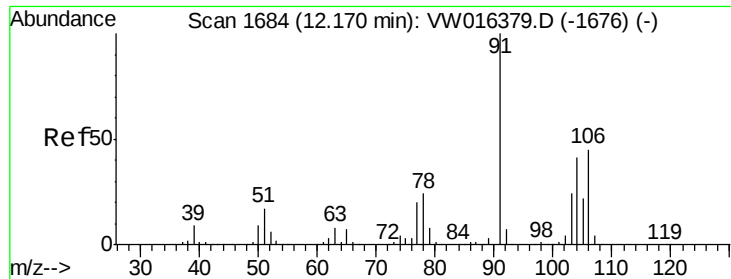
Tot Ion: 91 Resp: 412819
Ion Ratio Lower Upper
91 100
106 32.3 22.0 41.0



#54
m,p-Xylene
Concen: 23.717 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016393.D
Acq: 27 Aug 2020 16:50

Tgt Ion: 106 Resp: 159904
Ion Ratio Lower Upper
106 100
91 199.3 138.8 257.8





#55

o-xylene

Concen: 24.064 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

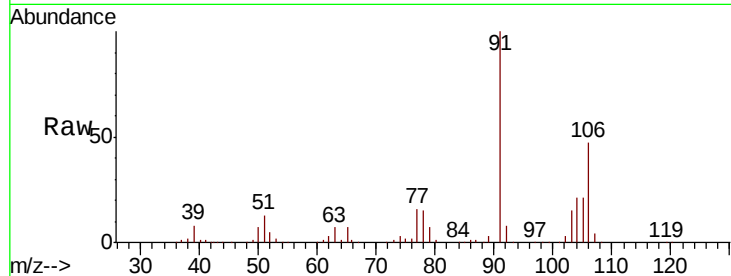
VSTD02530

Tot Ion:106 Resp: 152421

Ion Ratio Lower Upper

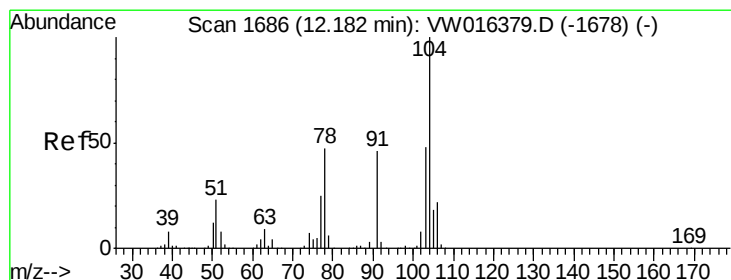
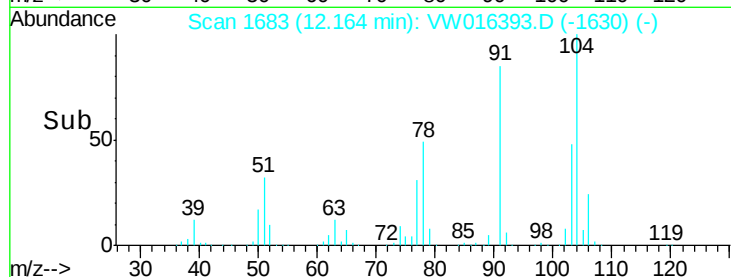
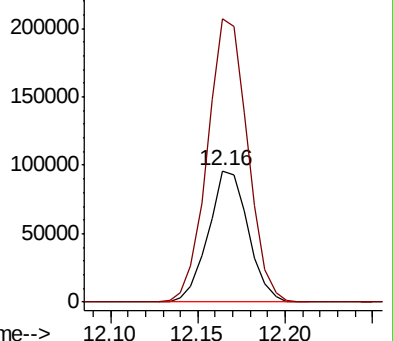
106 100

91 215.0 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.260 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016393.D

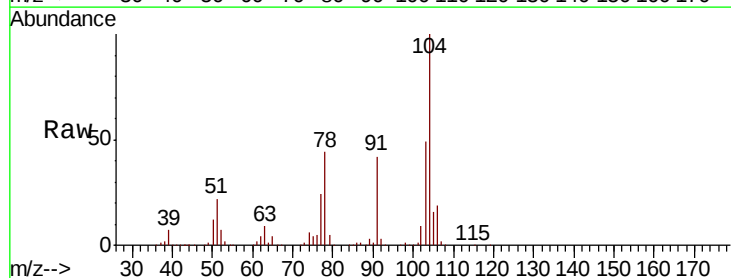
Acq: 27 Aug 2020 16:50

Tgt Ion:104 Resp: 269218

Ion Ratio Lower Upper

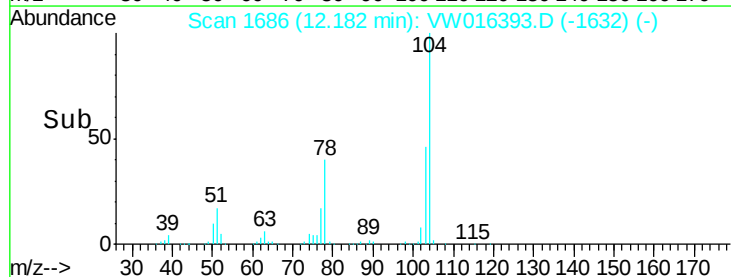
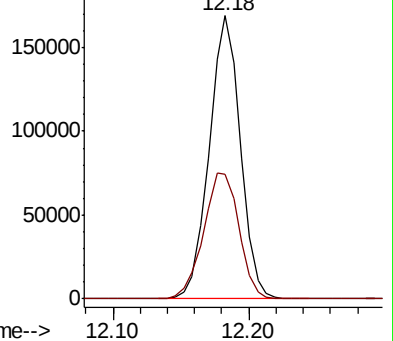
104 100

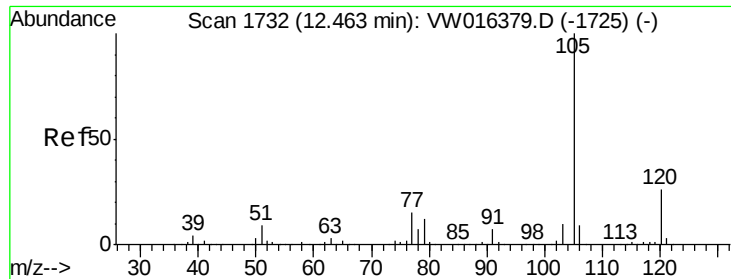
78 43.9 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 23.670 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

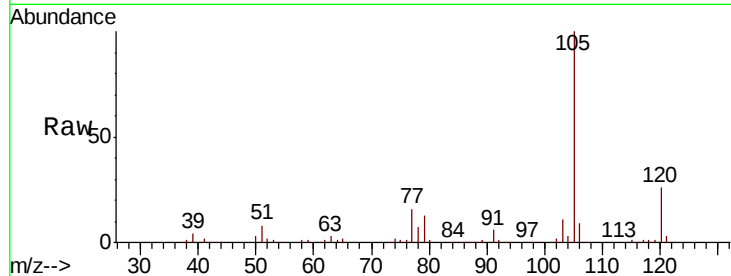
Tot Ion:105 Resp: 417354

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

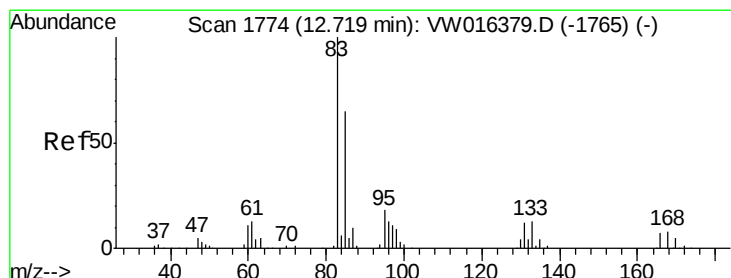
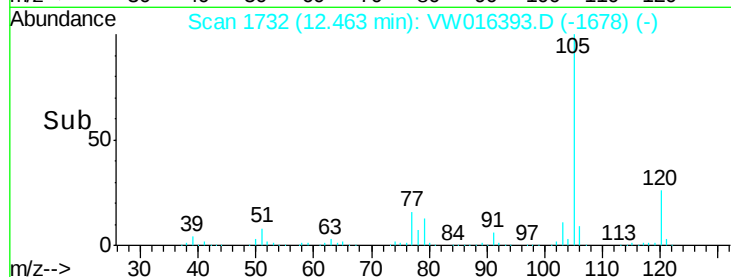
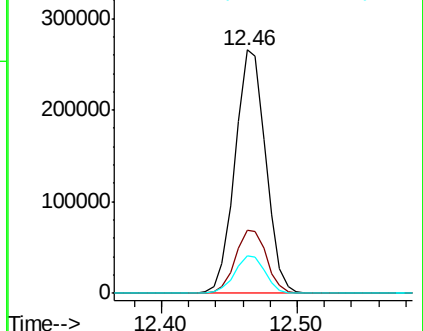
77 15.3 12.2 18.4



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: 27.386 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

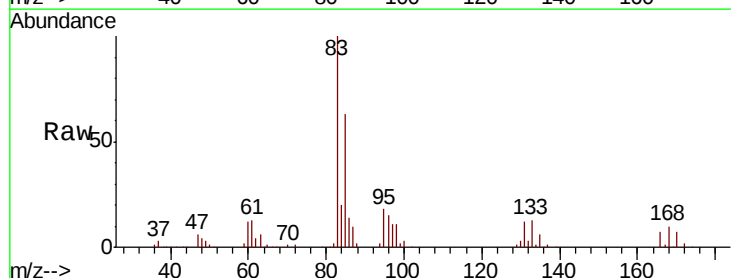
Tgt Ion: 83 Resp: 86921

Ion Ratio Lower Upper

83 100

85 63.4 46.0 85.4

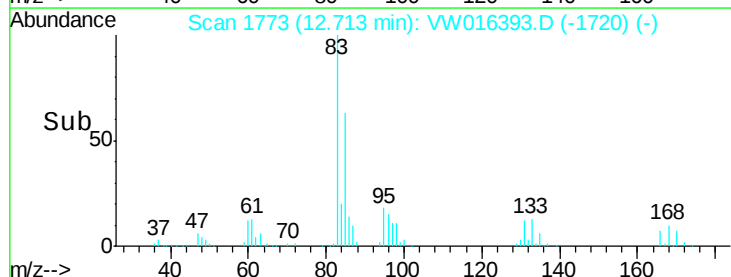
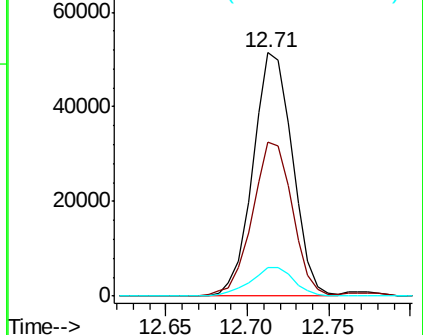
131 11.9 8.8 13.2

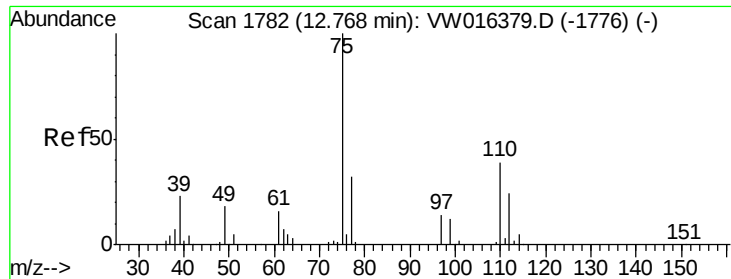


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.718 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

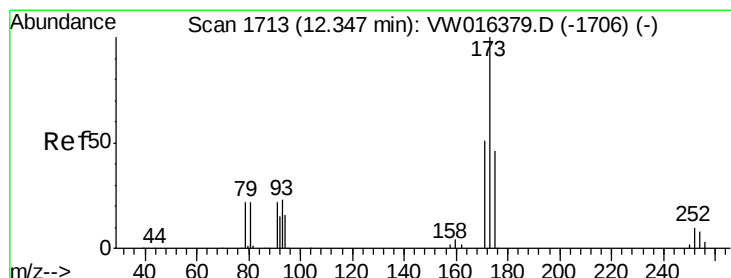
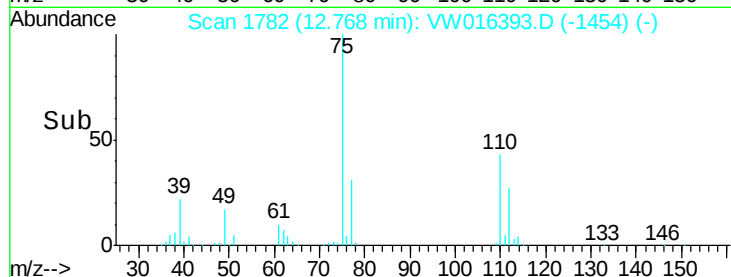
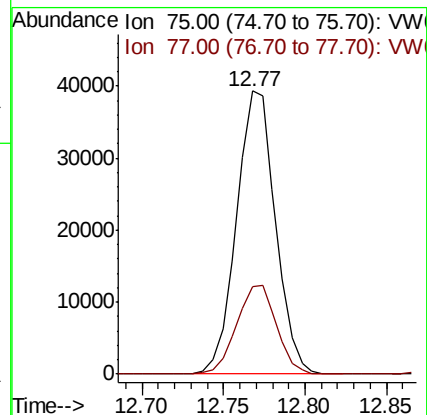
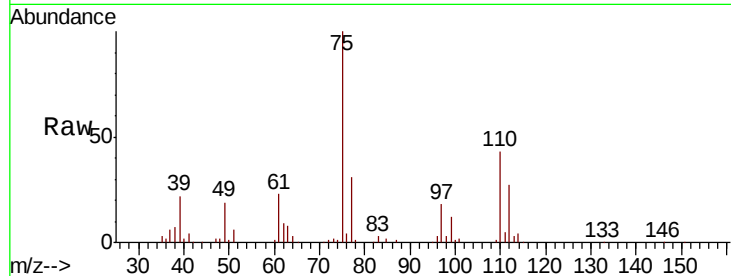
VSTD02530

Tot Ion: 75 Resp: 65157

Ion Ratio Lower Upper

75 100

77 32.2 27.1 40.7



#62

Bromoform

Concen: 25.297 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

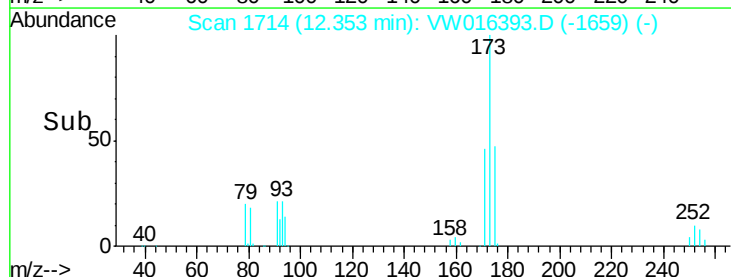
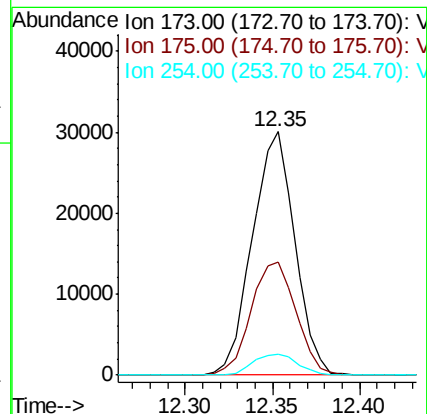
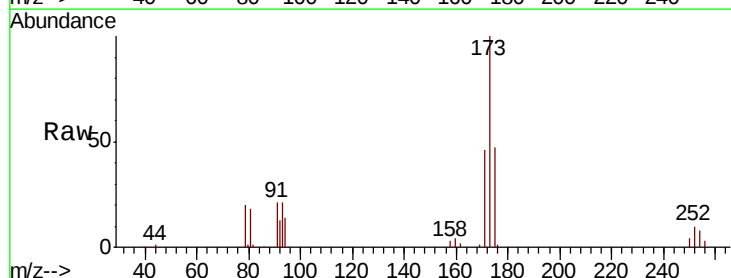
Tgt Ion: 173 Resp: 50867

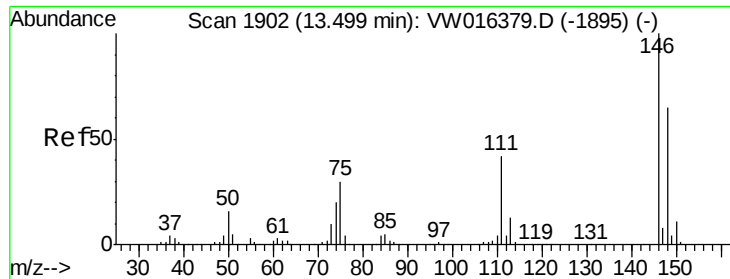
Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.4

254 9.0 6.9 10.3

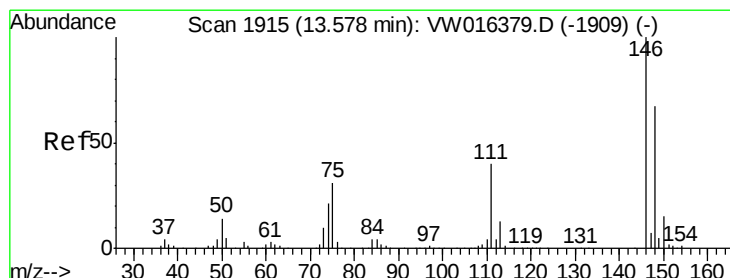
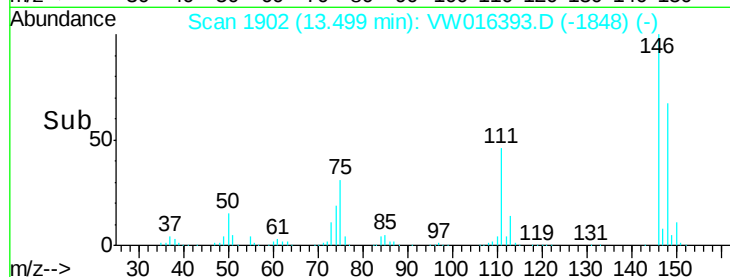
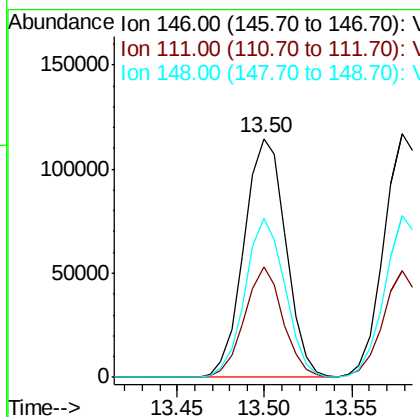
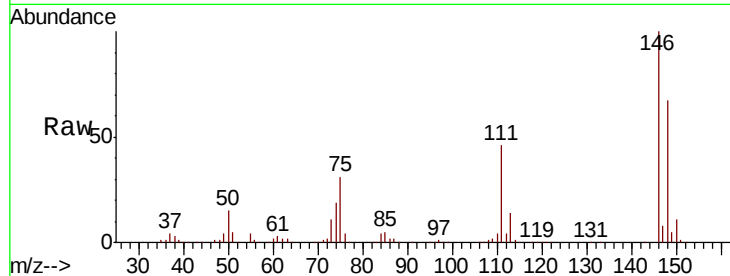




#63
 1,3-Dichlorobenzene
 Concen: 22.888 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

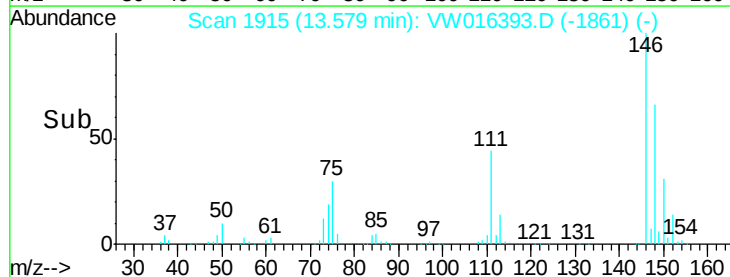
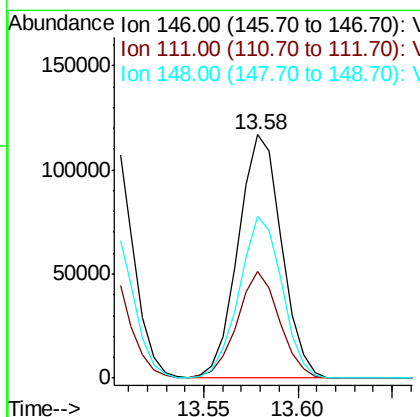
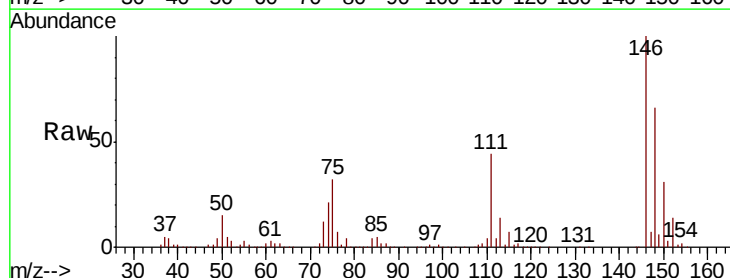
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

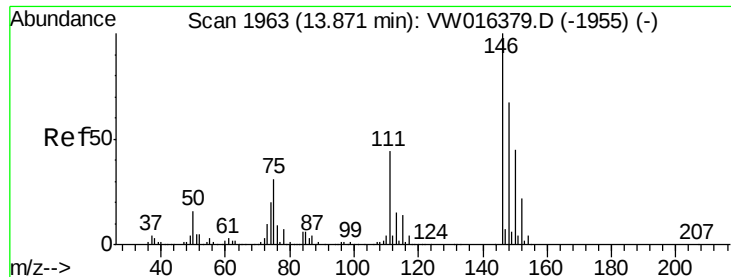
Tot Ion:146 Resp: 190844
 Ion Ratio Lower Upper
 146 100
 111 46.1 30.2 56.2
 148 66.9 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 22.079 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

Tgt Ion:146 Resp: 186500
 Ion Ratio Lower Upper
 146 100
 111 43.6 28.0 52.0
 148 66.4 41.4 76.8





#65

1,2-Dichlorobenzene

Concen: 23.554 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampled :

VSTD02530

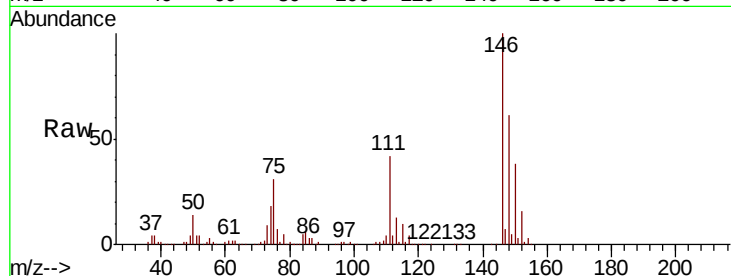
Tot Ion:146 Resp: 175367

Ion Ratio Lower Upper

146 100

111 41.8 36.9 55.3

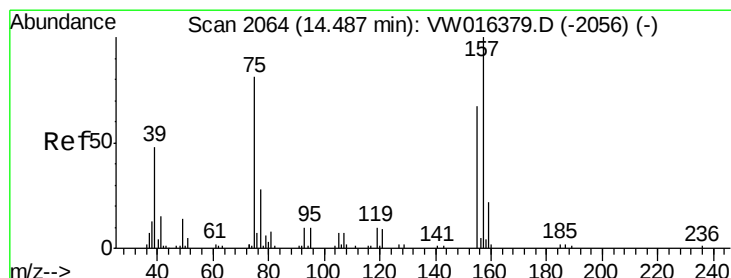
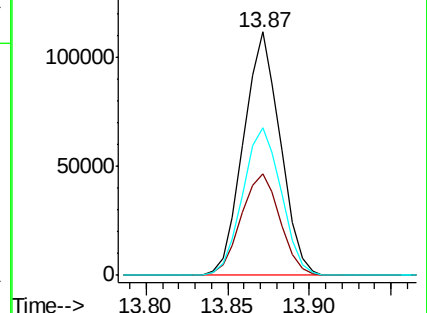
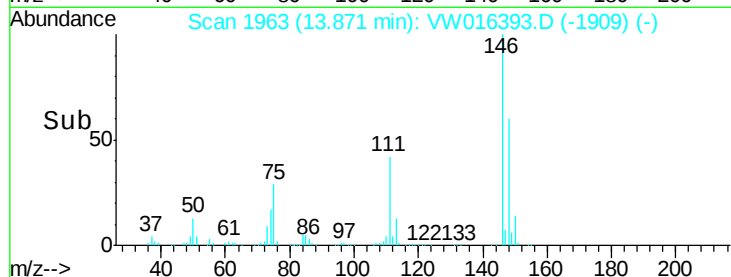
148 60.5 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 27.068 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

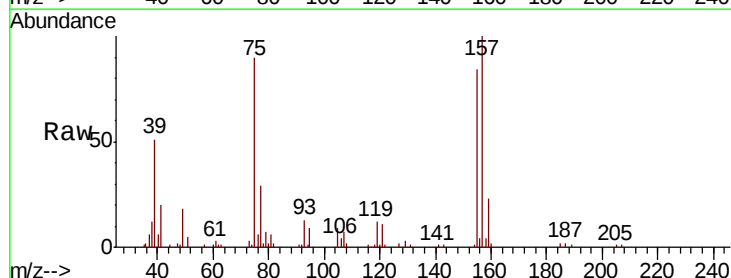
Tgt Ion: 75 Resp: 15842

Ion Ratio Lower Upper

75 100

157 111.0 82.2 123.4

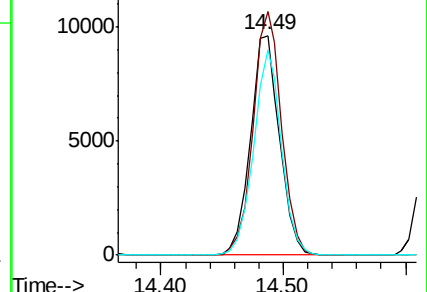
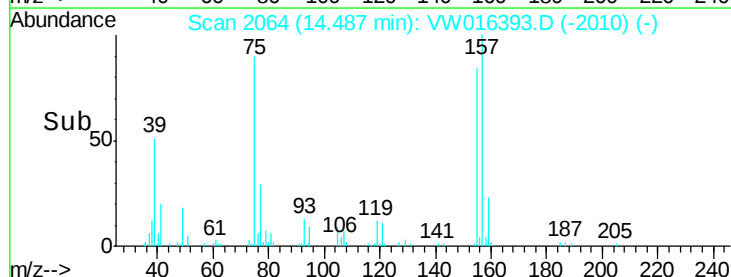
155 93.4 66.8 100.2

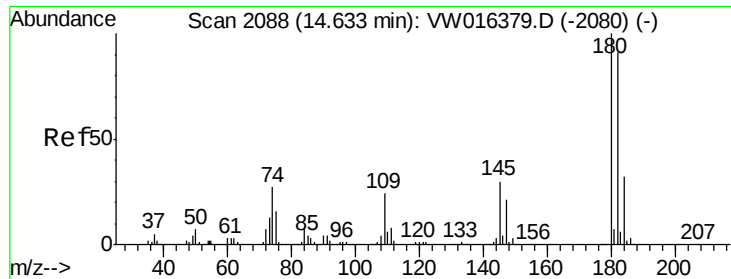


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

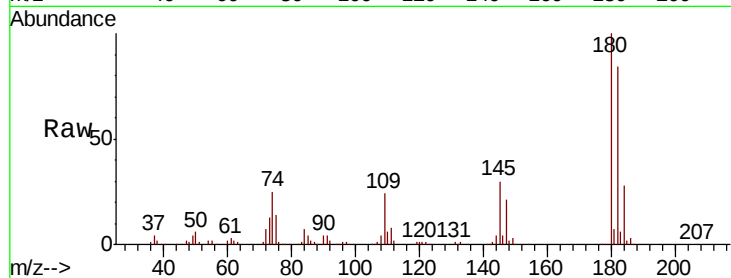




#67
 1,3,5-Trichlorobenzene
 Concen: 22.737 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.4	116.2
184	30.3	24.4	36.6
145	33.0	25.6	38.4

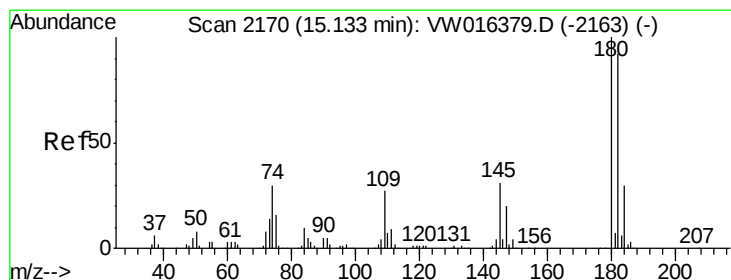
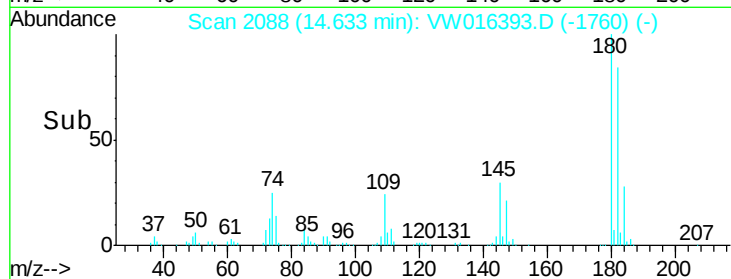
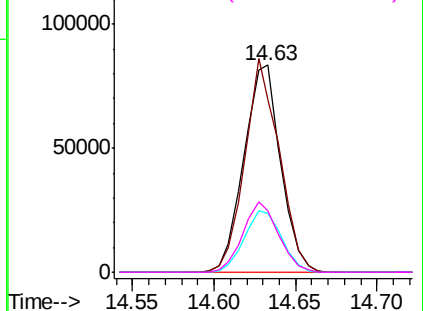


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

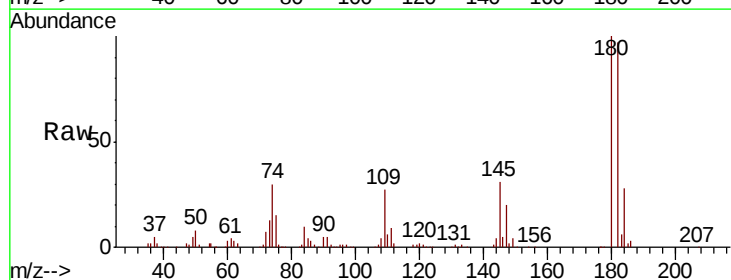
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.420 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016393.D
 Acq: 27 Aug 2020 16:50

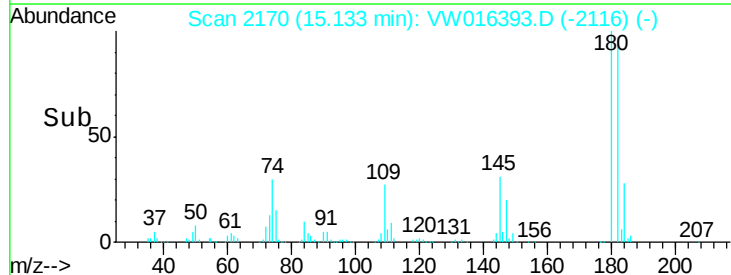
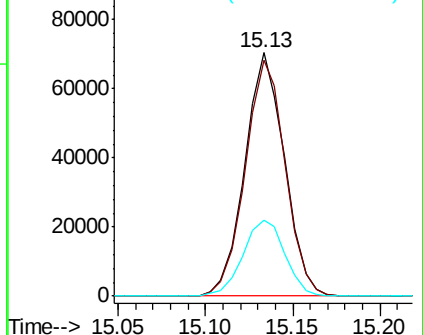
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	76.5	114.7
145	33.2	26.0	39.0

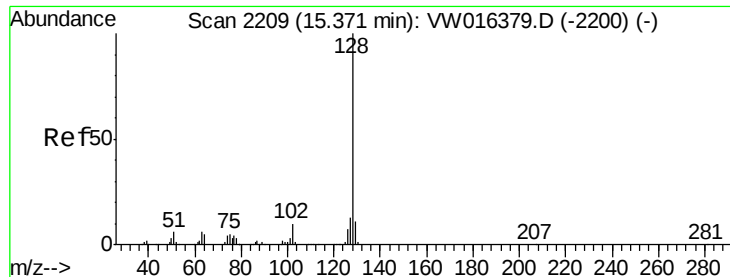


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.957 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

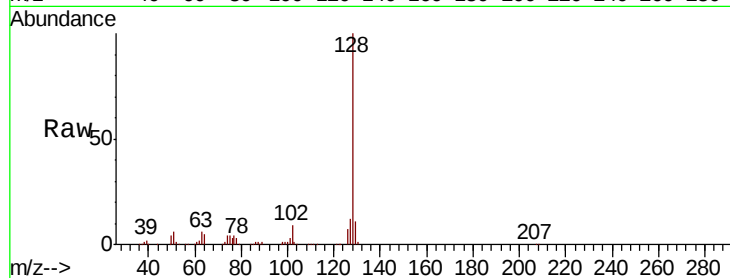
Tot Ion:128 Resp: 250824

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

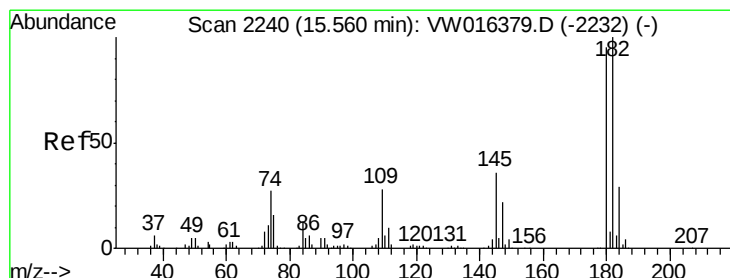
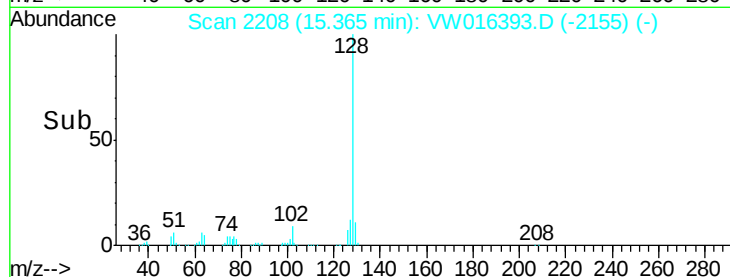
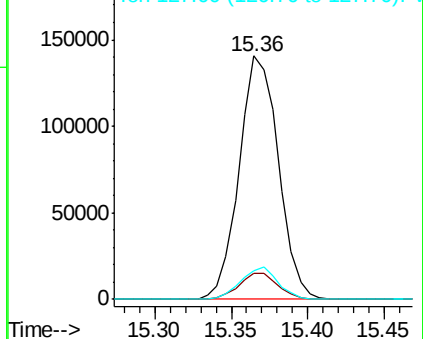
127 12.6 10.3 15.5



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



#70

1,2,3-Trichlorobenzene

Concen: 24.605 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016393.D

Acq: 27 Aug 2020 16:50

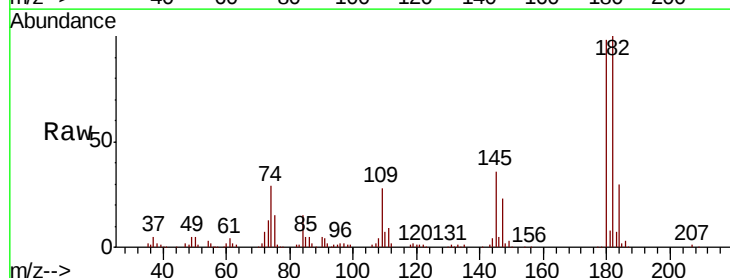
Tgt Ion:180 Resp: 98835

Ion Ratio Lower Upper

180 100

182 97.0 77.0 115.4

145 36.5 28.6 42.8



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

