

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081720\
 Data File : VW016227.D
 Acq On : 17 Aug 2020 18:45
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Aug 18 03:24:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 03:20:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	397217	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	372831	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	181691	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	85620	17.39	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.56%
7) Chloroethane-d5	2.89	69	72048	19.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.08%
10) 1,1-Dichloroethene-d2	4.01	63	211369	20.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.84%
20) 2-Butanone-d5	7.08	46	64502	49.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.56%
24) Chloroform-d	7.65	84	230342	21.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.44%
26) 1,2-Dichloroethane-d4	8.31	65	118589	20.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.76%
29) Benzene-d6	8.27	84	450822	22.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.92%
33) 1,2-Dichloropropane-d6	9.27	67	130670	21.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.64%
37) Toluene-d8	10.32	98	416138	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.48%
38) trans-1,3-Dichloropropene-	10.58	79	59506	22.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.80%
39) 2-Hexanone-d5	10.93	63	55048	53.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122610	25.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.00%
61) 1,2-Dichlorobenzene-d4	13.86	152	148446	23.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	94491	23.548	ug/L 99
3) Chloromethane	2.21	50	76507	19.199	ug/L 98
5) Vinyl chloride	2.37	62	115400	21.820	ug/L 100
6) Bromomethane	2.78	94	73321	22.136	ug/L 98
8) Chloroethane	2.93	64	66327	22.271	ug/L 96
9) Trichlorofluoromethane	3.26	101	92619	24.534	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	128427	24.072	ug/L 95
12) 1,1-Dichloroethene	4.04	96	128197	25.146	ug/L 78
13) Acetone	4.12	43	51842	52.883	ug/L 91
14) Carbon disulfide	4.37	76	379080	23.688	ug/L 99
15) Methyl Acetate	4.67	43	54219	23.522	ug/L 94
16) Methylene chloride	4.91	84	148554	23.685	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	179232	24.809	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	130708	24.373	ug/L 87
19) 1,1-Dichloroethane	6.21	63	217891	22.964	ug/L 97
21) 2-Butanone	7.17	43	74942	48.235	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	139294	24.622	ug/L 97

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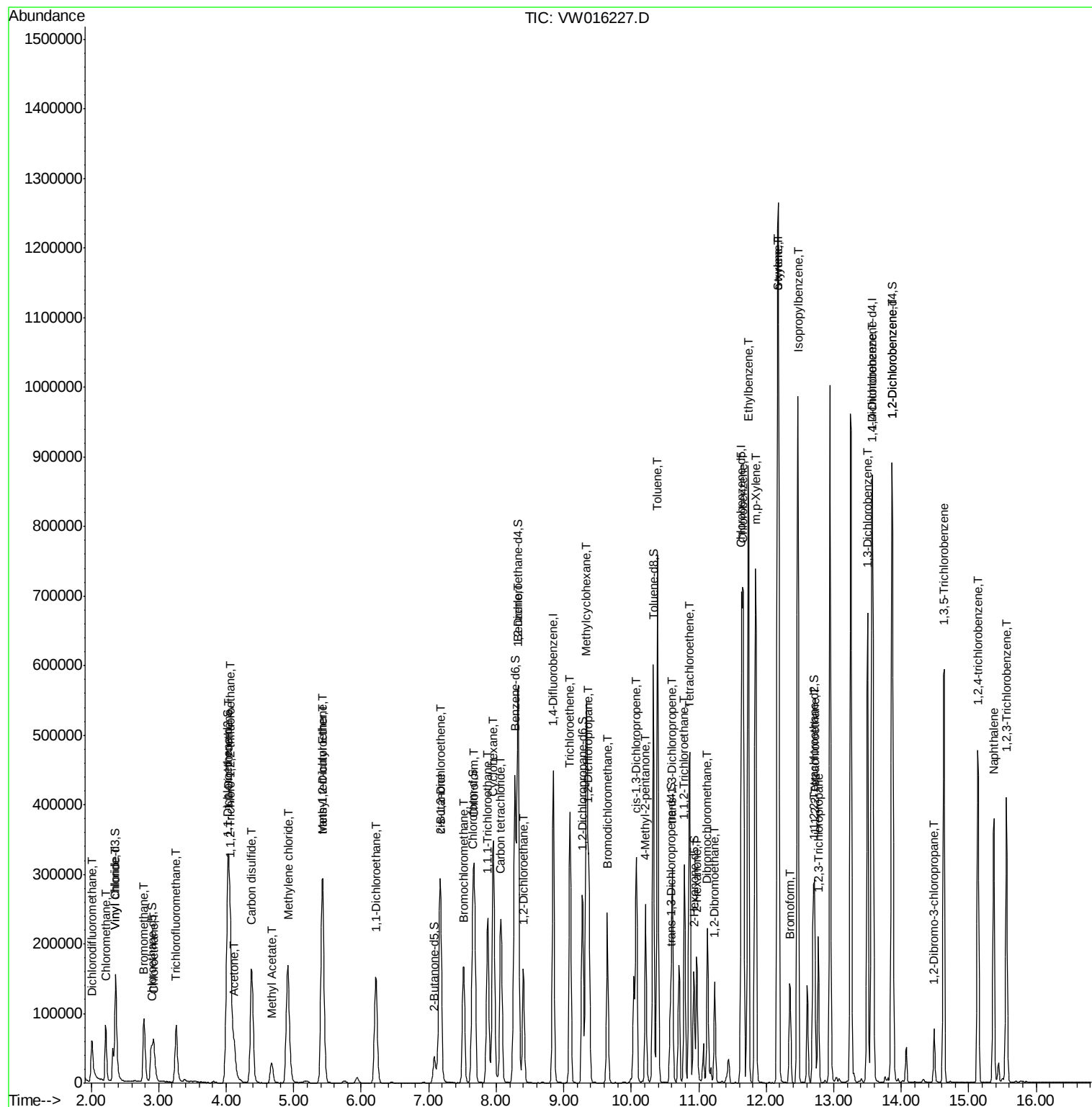
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65714	25.309	ug/L	89
25) Chloroform	7.68	83	234411	23.221	ug/L	100
27) 1,2-Dichloroethane	8.40	62	146102	21.727	ug/L	98
30) Cyclohexane	7.96	56	194947	24.031	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	198076	23.121	ug/L	98
32) Carbon tetrachloride	8.07	117	186413	23.006	ug/L	97
34) Benzene	8.32	78	519168	24.147	ug/L	100
35) Trichloroethene	9.09	95	139222	24.082	ug/L	97
36) Methylcyclohexane	9.34	83	236415	24.824	ug/L	97
40) 1,2-Dichloropropane	9.37	63	125734	23.814	ug/L	99
41) Bromodichloromethane	9.65	83	168034	23.168	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	198011	24.626	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	154893	48.775	ug/L	96
44) Toluene	10.39	91	563408	24.824	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	174898	24.214	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	102999	24.783	ug/L	100
47) Tetrachloroethene	10.87	164	109309	25.222	ug/L	97
49) 2-Hexanone	10.97	43	105429	49.201	ug/L	95
50) Dibromochloromethane	11.13	129	122754	25.078	ug/L	99
51) 1,2-Dibromoethane	11.24	107	98499	24.999	ug/L	99
52) Chlorobenzene	11.66	112	368221	24.521	ug/L	97
53) Ethylbenzene	11.73	91	631671	24.531	ug/L	100
54) m,p-Xylene	11.84	106	248602	25.665	ug/L	97
55) o-xylene	12.16	106	230235	25.234	ug/L	91
56) Styrene	12.18	104	408928	25.888	ug/L	97
57) Isopropylbenzene	12.47	105	635172	25.821	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	121915	25.141	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	90838	24.727	ug/L	99
62) Bromoform	12.35	173	66615	24.246	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	277183	24.154	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	281489	24.079	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	256085	24.339	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21386	23.180	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	187222	25.856	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	151987	25.897	ug/L	98
69) Naphthalene	15.37	128	332146	26.812	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	139202	26.108	ug/L	99

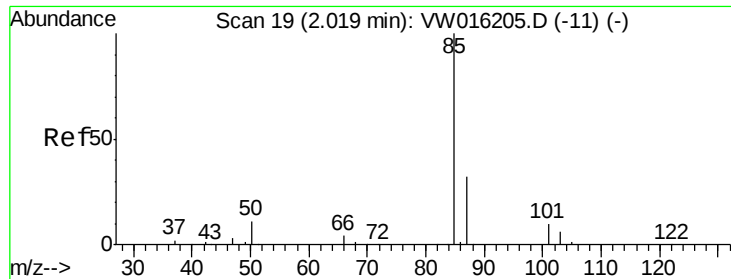
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.548 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampleId :

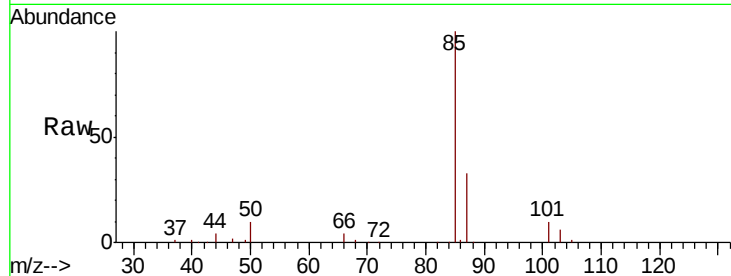
VSTD02516

Tot Ion: 85 Resp: 94491

Ion Ratio Lower Upper

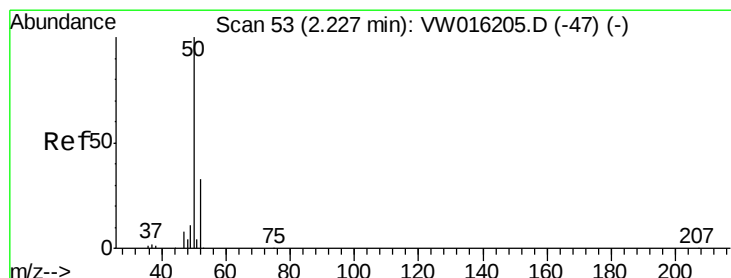
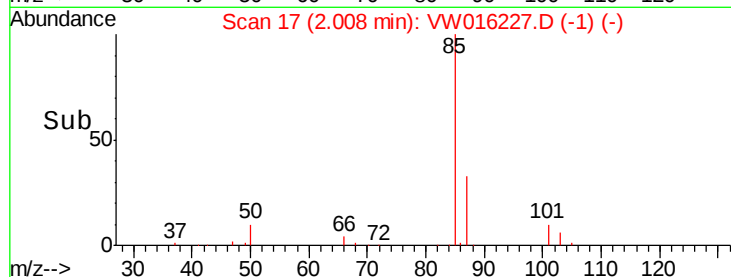
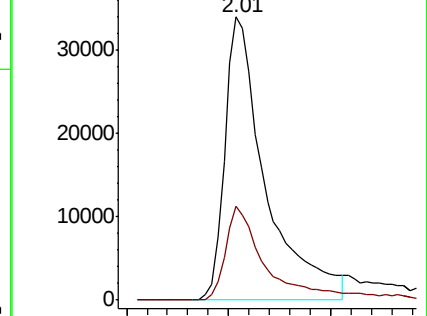
85 100

87 32.2 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.199 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016227.D

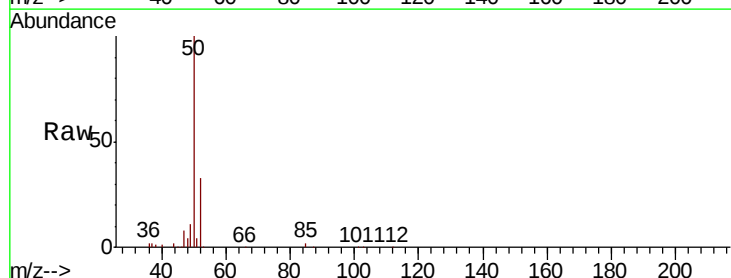
Acq: 17 Aug 2020 18:45

Tgt Ion: 50 Resp: 76507

Ion Ratio Lower Upper

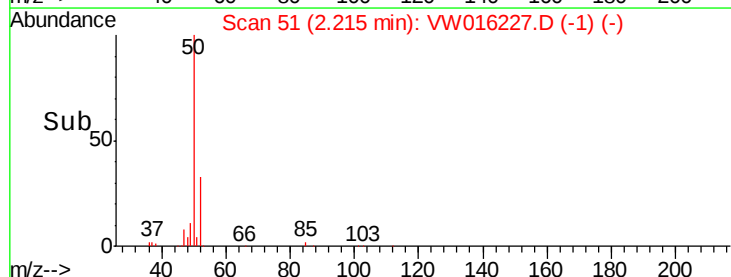
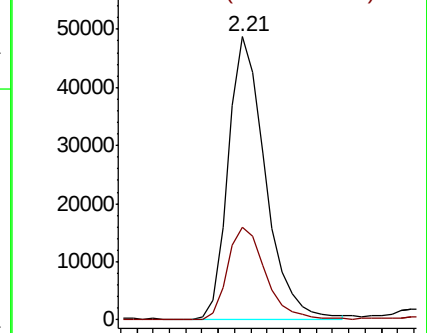
50 100

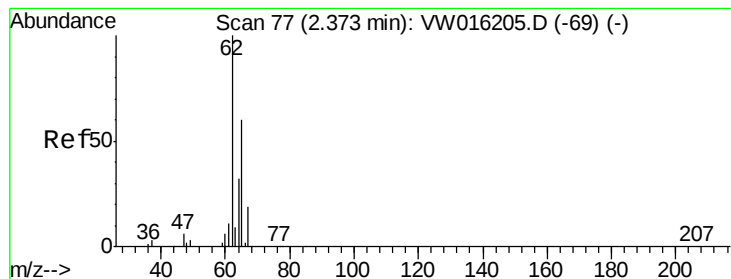
52 32.6 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.820 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampleId :

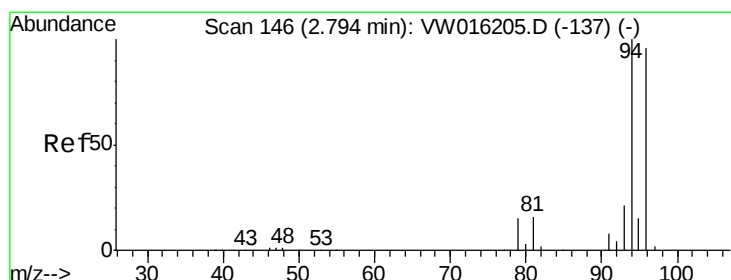
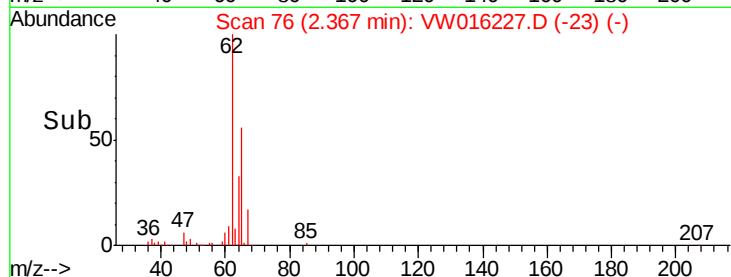
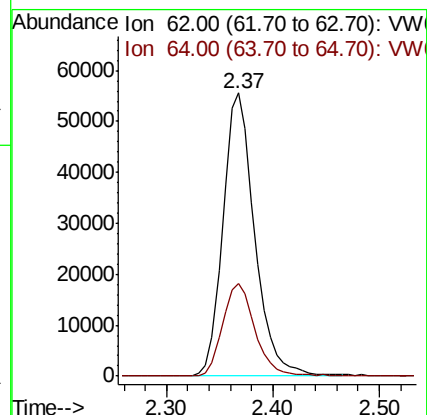
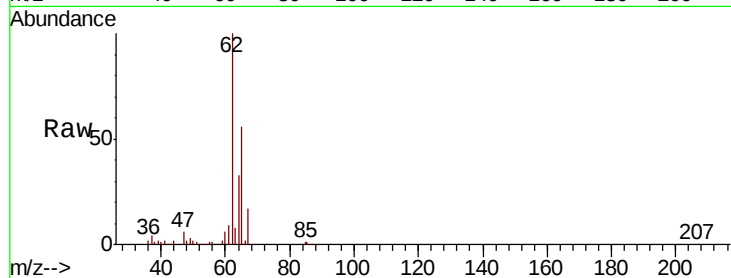
VSTD02516

Tot Ion: 62 Resp: 115400

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.8



#6

Bromomethane

Concen: 22.136 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016227.D

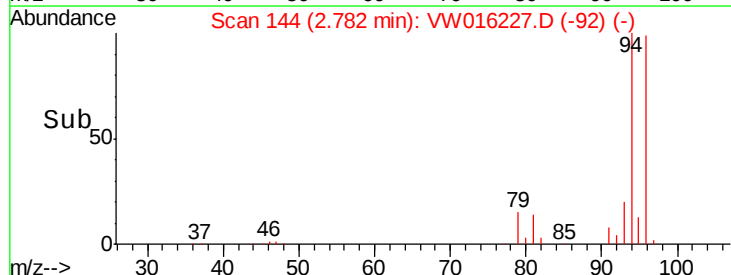
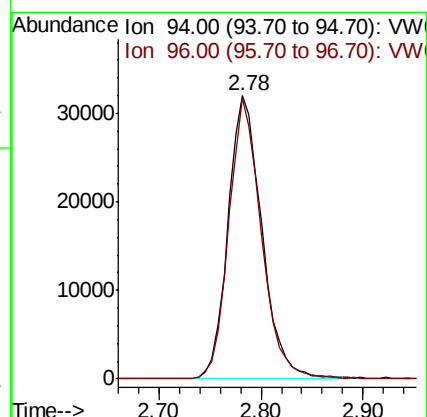
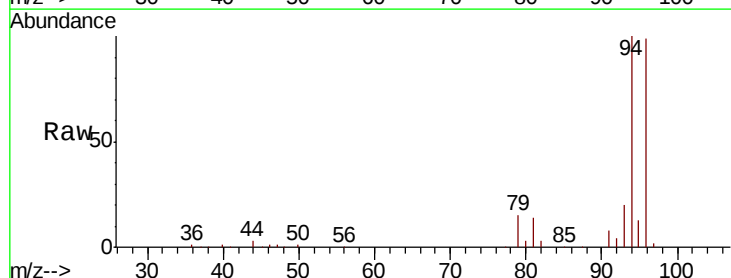
Acq: 17 Aug 2020 18:45

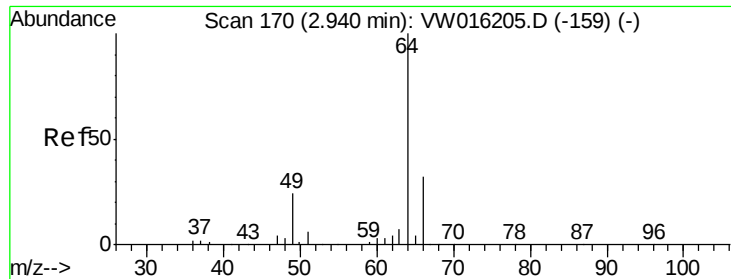
Tgt Ion: 94 Resp: 73321

Ion Ratio Lower Upper

94 100

96 95.4 9.4 178.2





#8

Chloroethane

Concen: 22.271 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampleId :

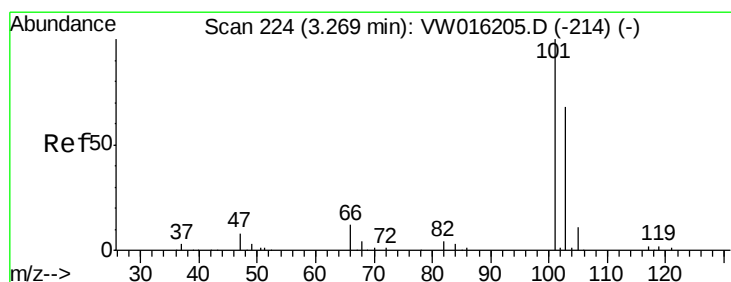
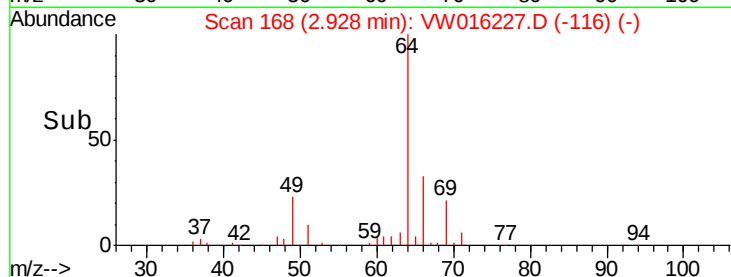
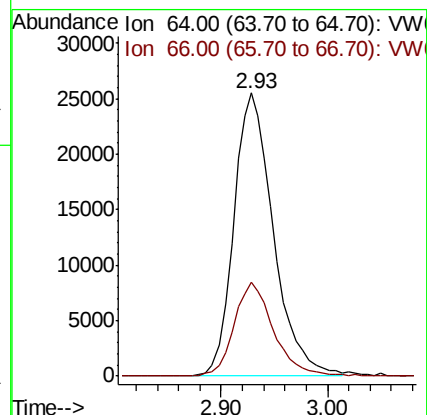
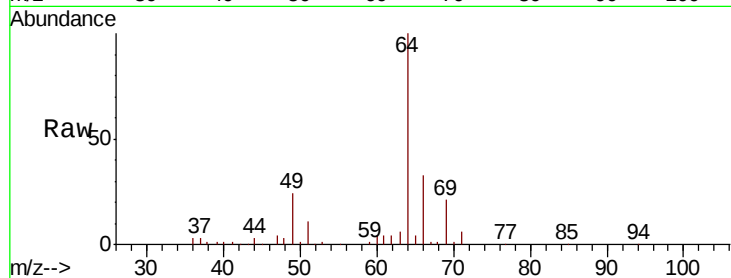
VSTD02516

Tot Ion: 64 Resp: 66327

Ion Ratio Lower Upper

64 100

66 33.1 21.8 40.4



#9

Trichlorofluoromethane

Concen: 24.534 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW016227.D

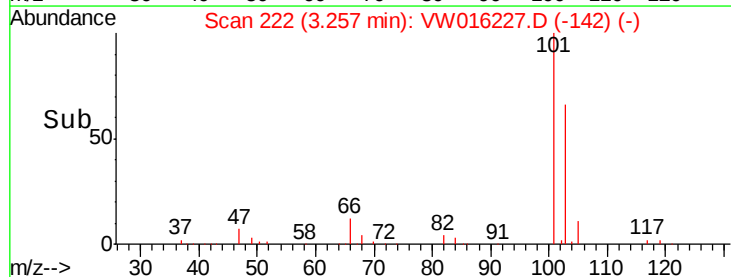
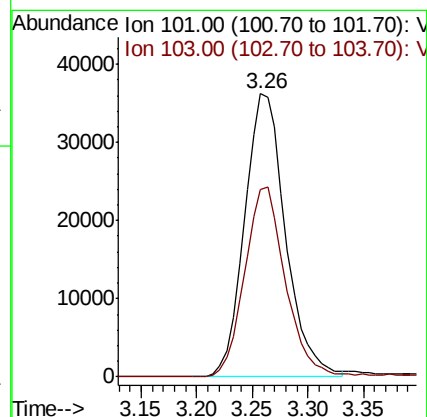
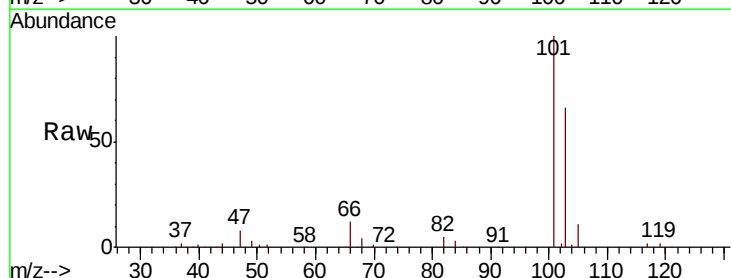
Acq: 17 Aug 2020 18:45

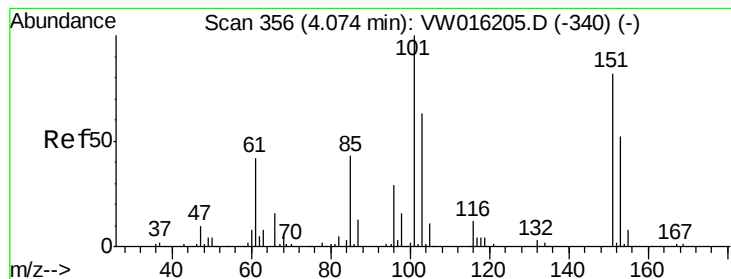
Tgt Ion:101 Resp: 92619

Ion Ratio Lower Upper

101 100

103 66.5 45.6 84.6





#11

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

Concen: 24.072 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

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ClientSampleId :

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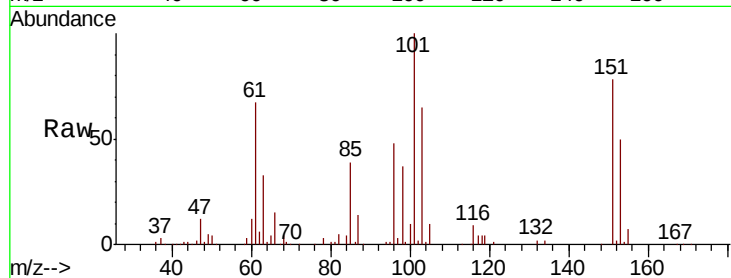
Tot Ion:101 Resp: 128427

Ion Ratio Lower Upper

101 100

85 41.3 34.2 51.4

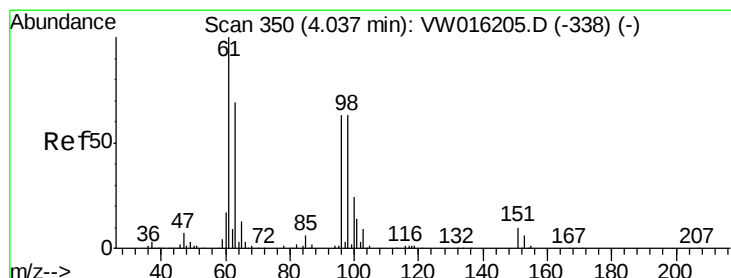
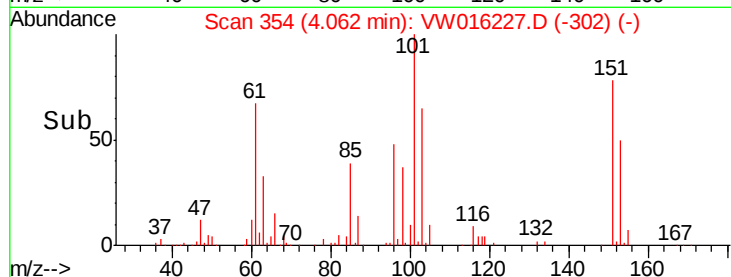
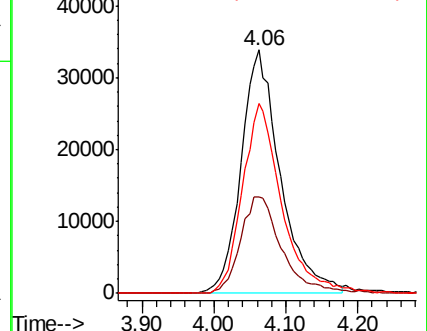
151 77.7 57.4 86.2



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: 25.146 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

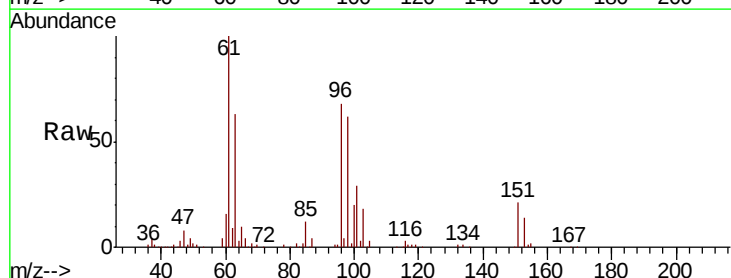
Tgt Ion: 96 Resp: 128197

Ion Ratio Lower Upper

96 100

61 146.4 120.2 223.2

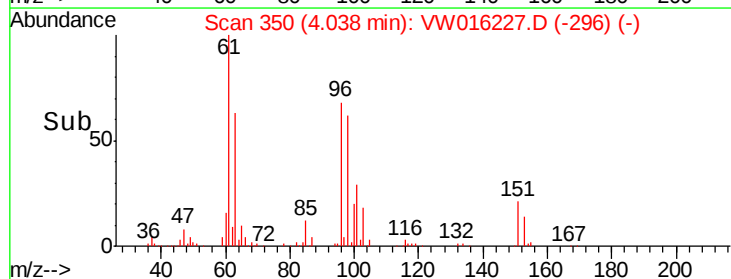
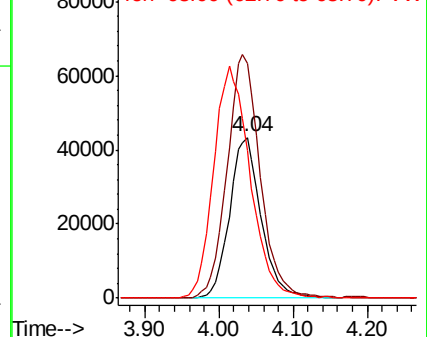
63 91.7 86.4 160.4

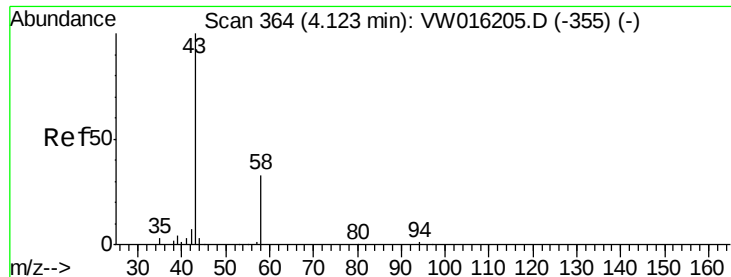


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.883 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

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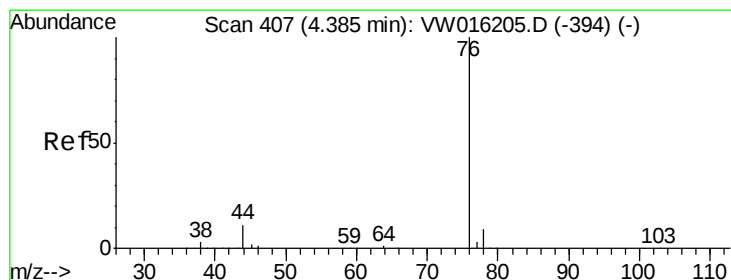
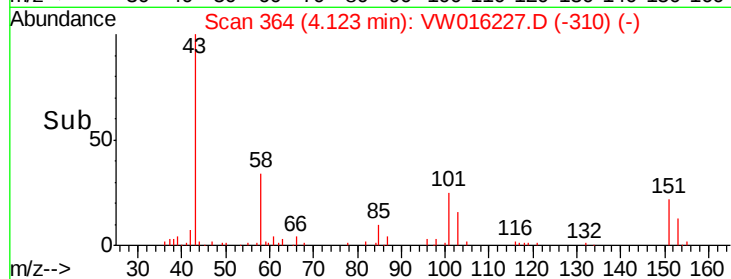
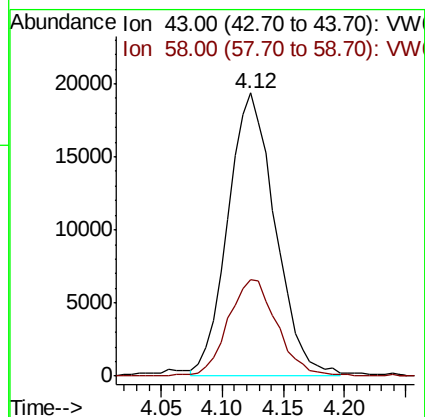
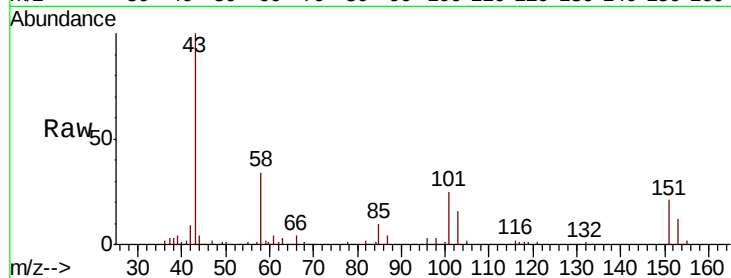
VSTD02516

Tot Ion: 43 Resp: 51842

Ion Ratio Lower Upper

43 100

58 34.6 0.0 59.4



#14

Carbon disulfide

Concen: 23.688 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW016227.D

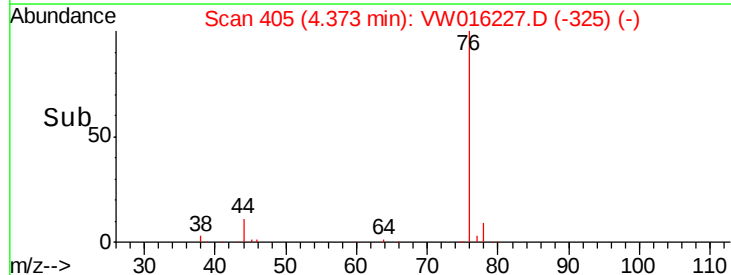
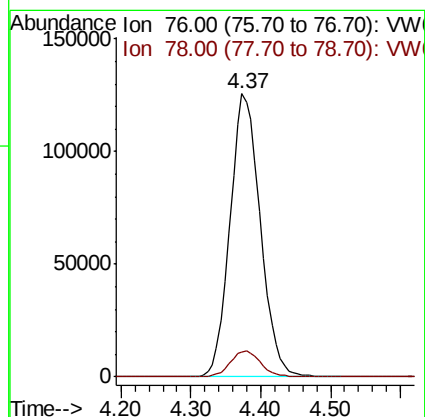
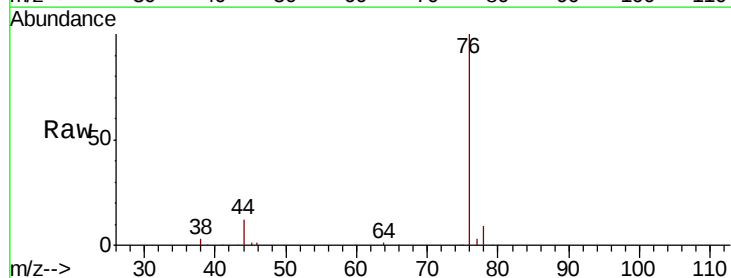
Acq: 17 Aug 2020 18:45

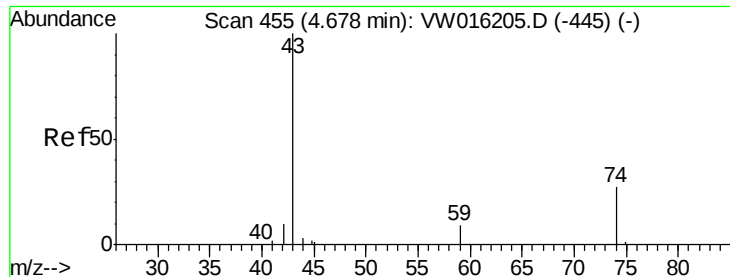
Tgt Ion: 76 Resp: 379080

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

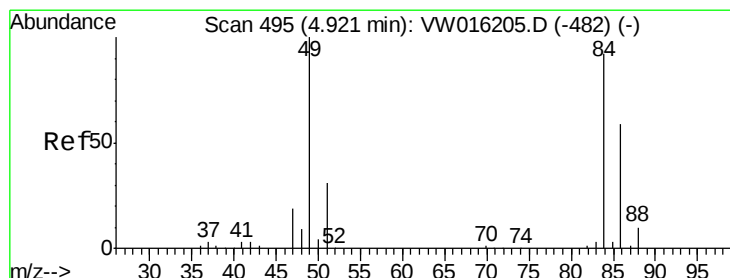
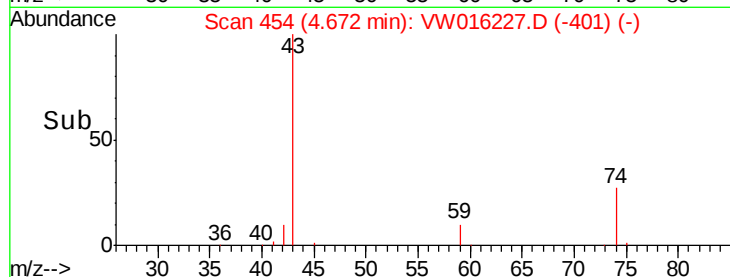
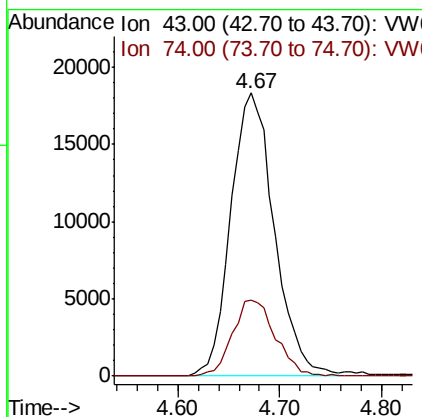
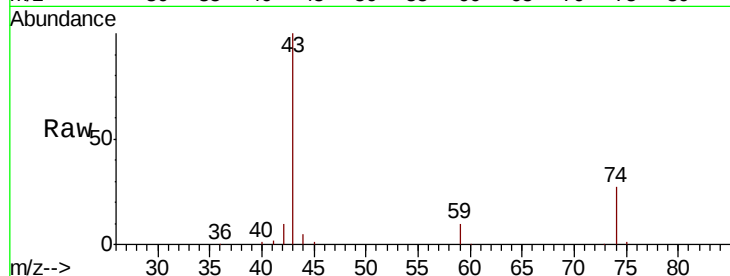




#15
Methvl Acetate
Concen: 23.522 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

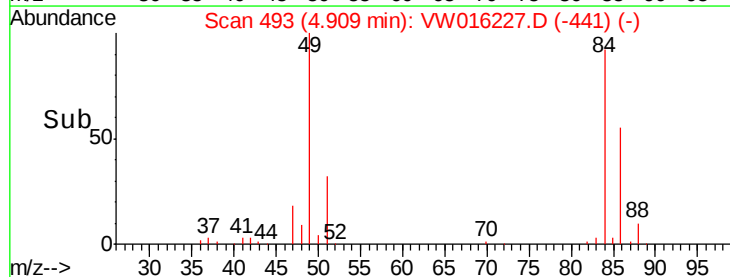
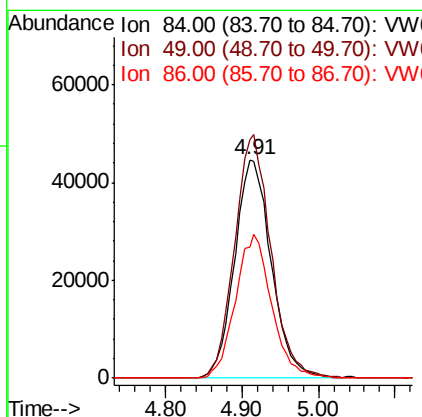
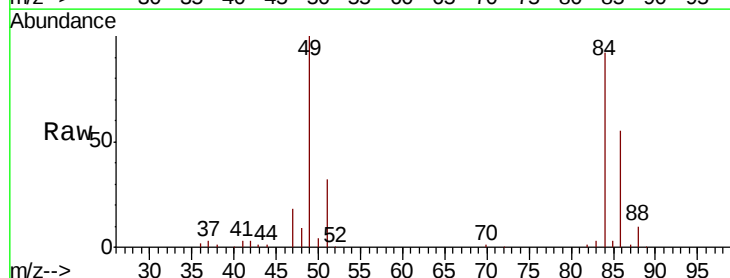
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

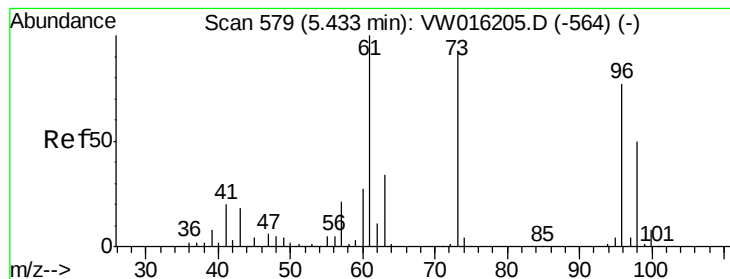
Tot Ion: 43 Resp: 54219
Ion Ratio Lower Upper
43 100
74 26.5 18.9 28.3



#16
Methylene chloride
Concen: 23.685 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

Tgt Ion: 84 Resp: 148554
Ion Ratio Lower Upper
84 100
49 109.1 80.4 149.4
86 59.9 43.8 81.3



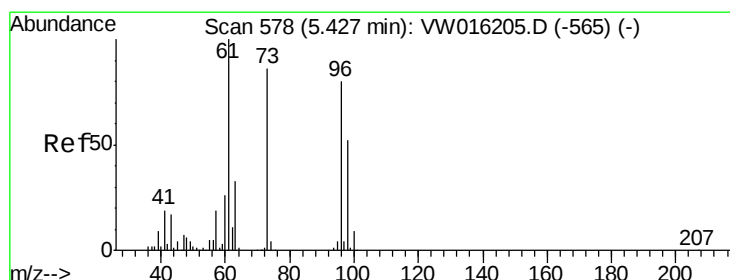
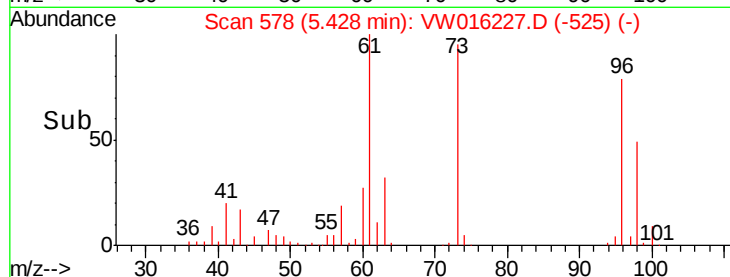
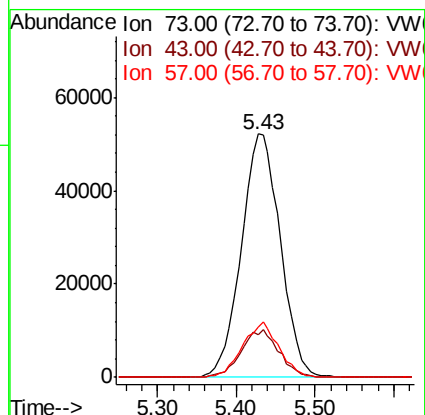
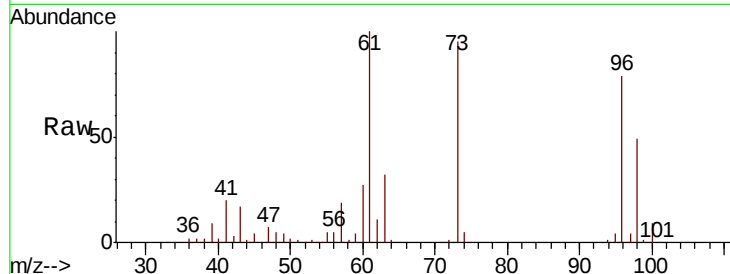


#17

Methvl tert-butvl Ether
 Concen: 24.809 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW016227.D
 Acq: 17 Aug 2020 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

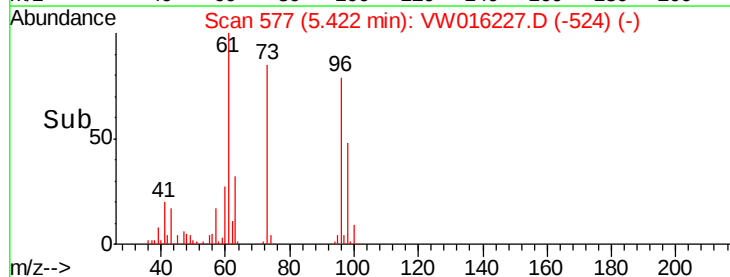
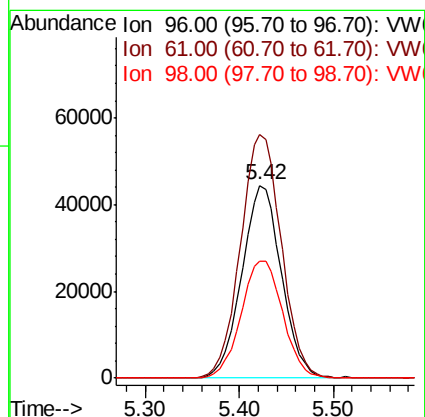
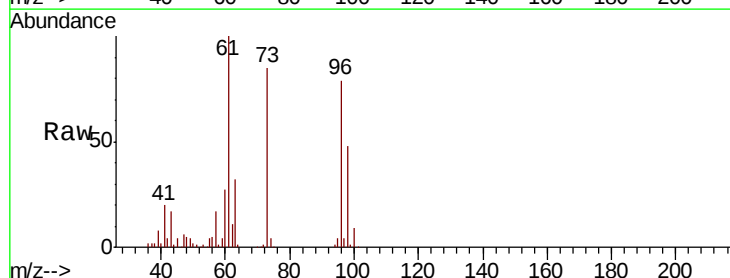
Tot Ion: 73 Resp: 179232
 Ion Ratio Lower Upper
 73 100
 43 19.0 16.6 24.8
 57 21.2 17.1 25.7

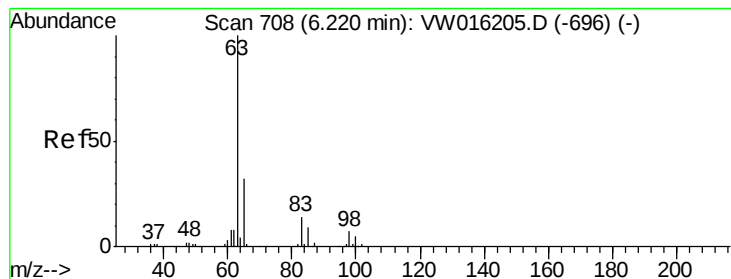


#18

trans-1,2-Dichloroethene
 Concen: 24.373 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW016227.D
 Acq: 17 Aug 2020 18:45

Tgt Ion: 96 Resp: 130708
 Ion Ratio Lower Upper
 96 100
 61 126.4 101.6 188.8
 98 61.0 47.7 88.7





#19

1,1-Dichloroethane

Concen: 22.964 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

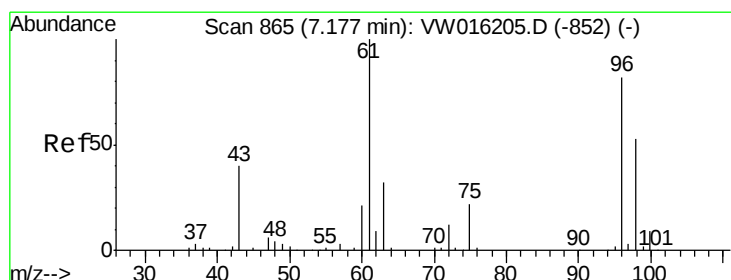
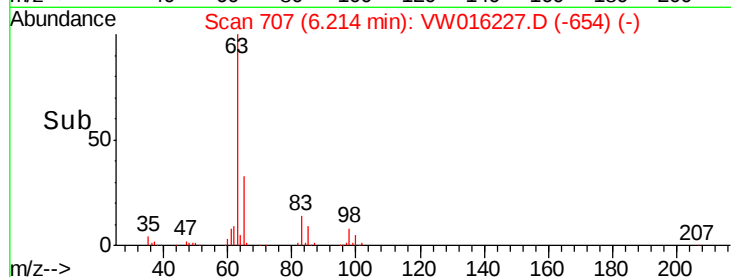
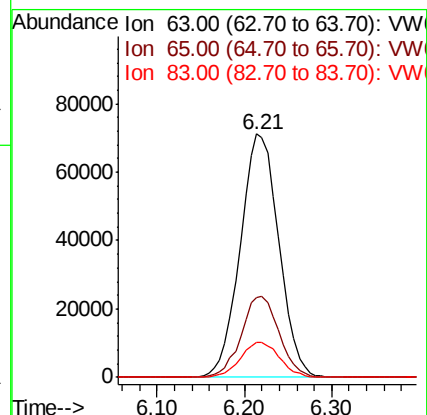
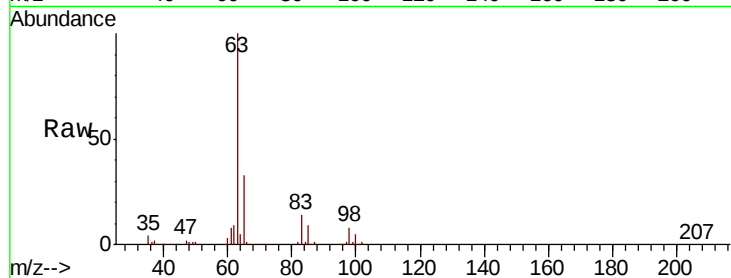
Tot Ion: 63 Resp: 217891

Ion Ratio Lower Upper

63 100

65 32.8 21.6 40.0

83 14.2 9.8 18.2



#21

2-Butanone

Concen: 48.235 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016227.D

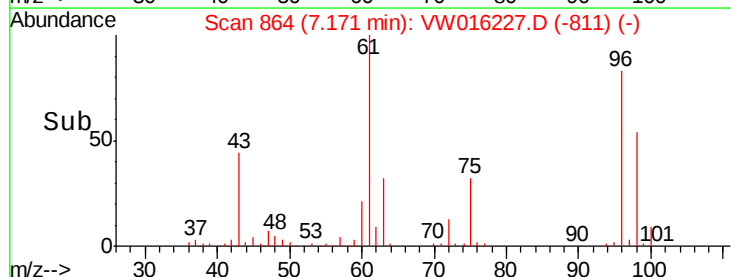
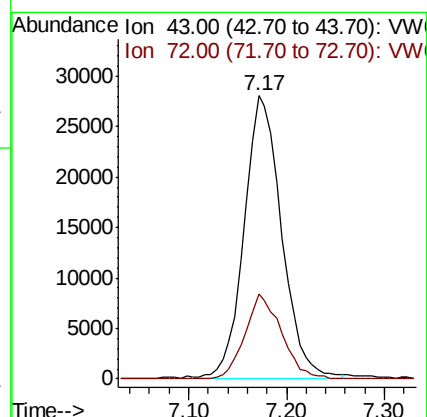
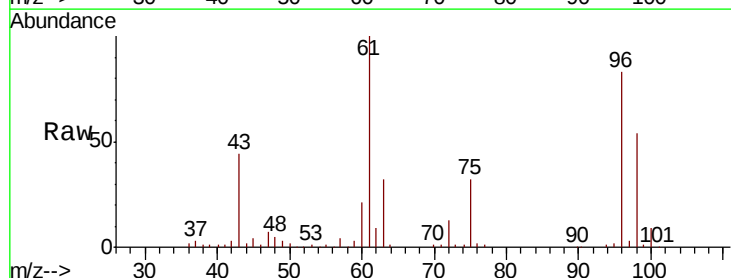
Acq: 17 Aug 2020 18:45

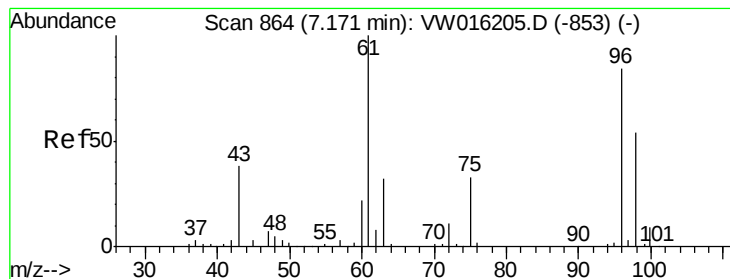
Tgt Ion: 43 Resp: 74942

Ion Ratio Lower Upper

43 100

72 29.2 13.9 41.7



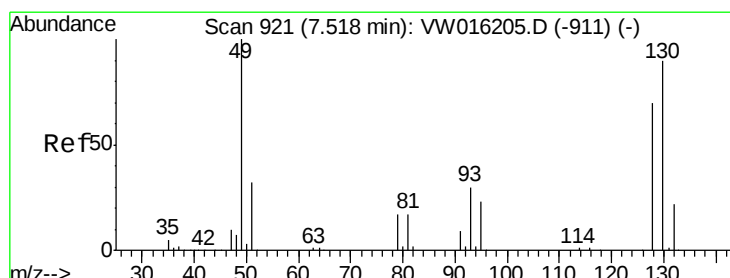
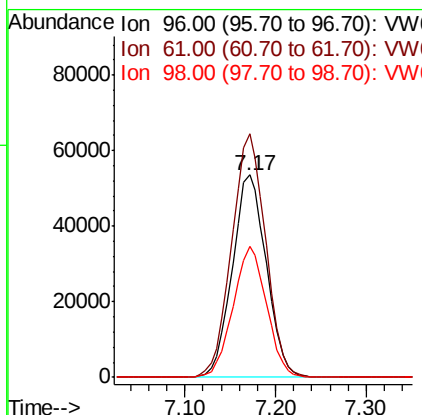
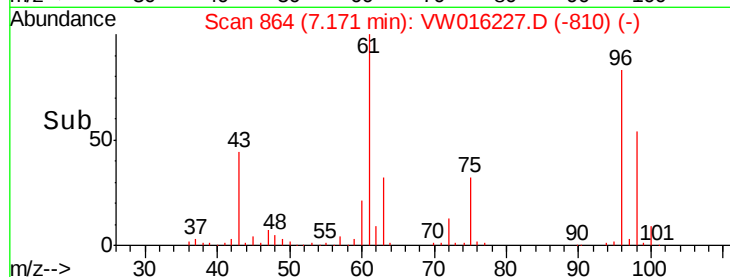
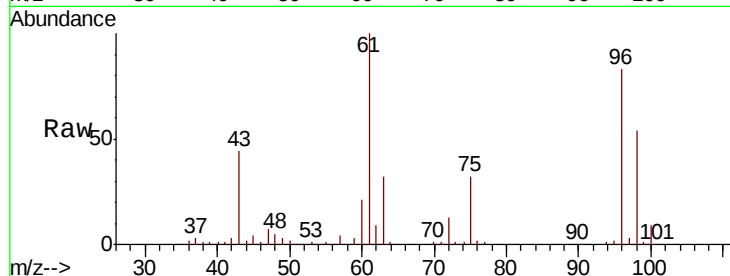


#22

cis-1,2-Dichloroethene
Concen: 24.622 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

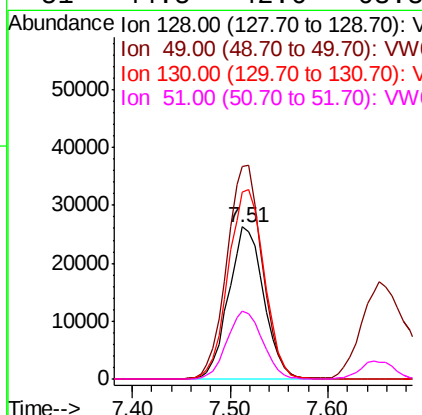
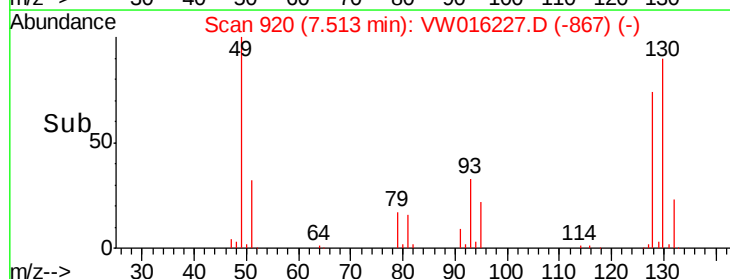
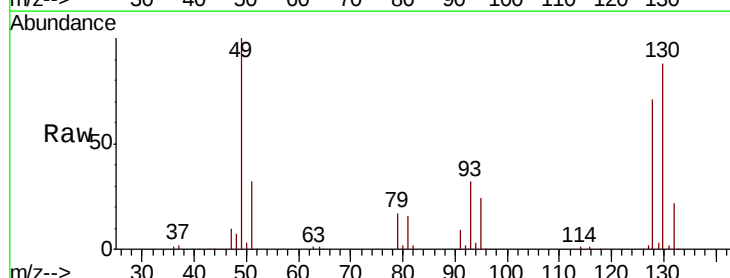
Tot Ion: 96 Resp: 139294
Ion Ratio Lower Upper
96 100
61 120.3 87.0 161.6
98 64.6 44.0 81.6

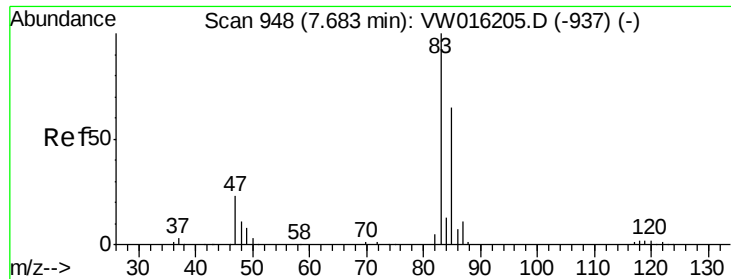


#23

Bromochloromethane
Concen: 25.309 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

Tgt Ion: 128 Resp: 65714
Ion Ratio Lower Upper
128 100
49 139.9 111.8 207.6
130 122.5 90.6 168.3
51 44.5 42.6 63.8

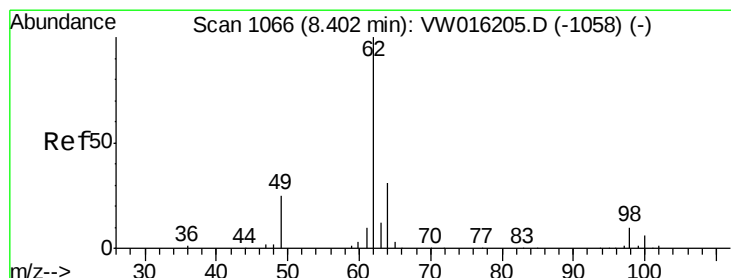
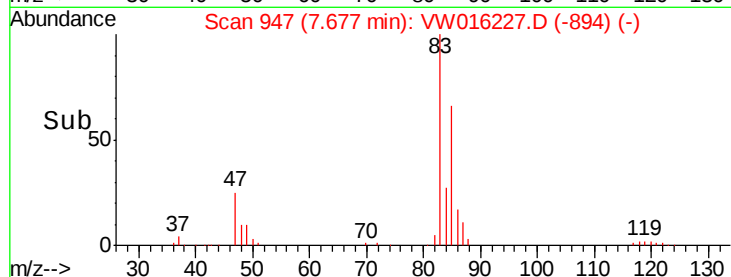
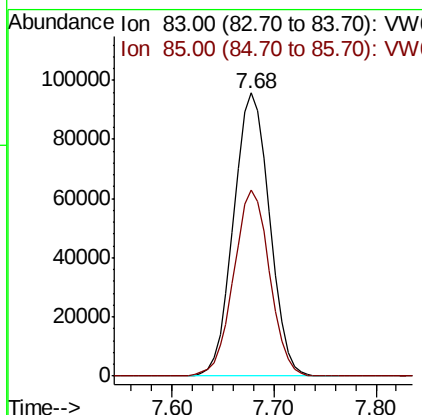
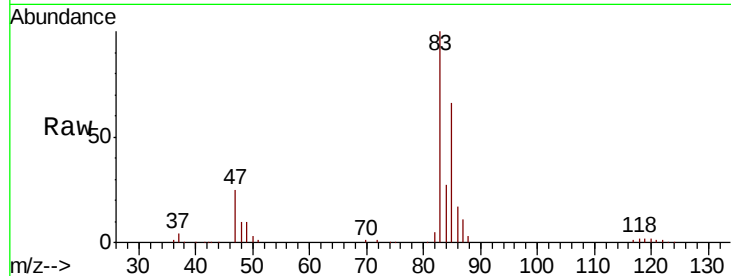




#25
Chloroform
Concen: 23.221 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

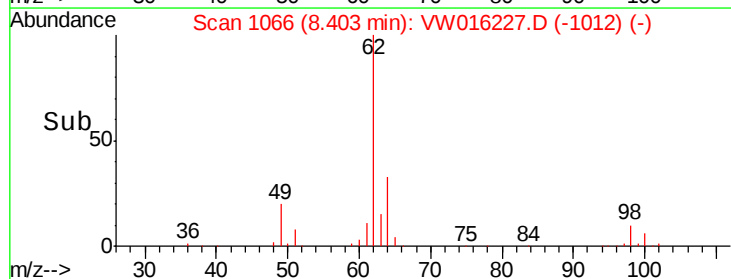
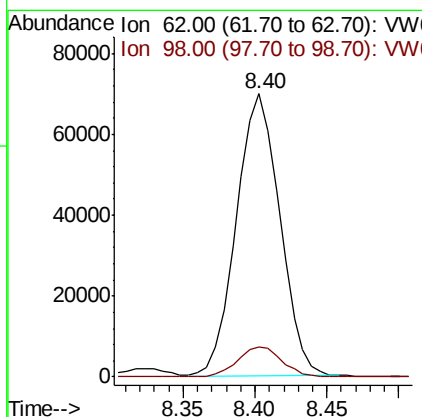
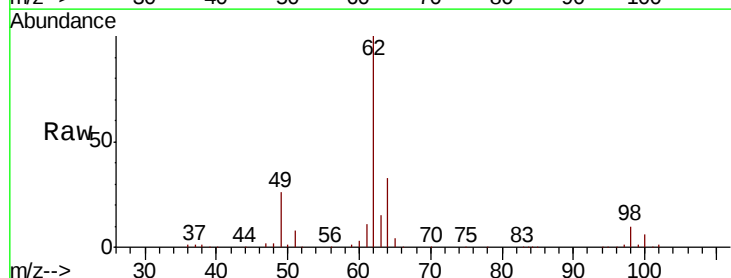
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

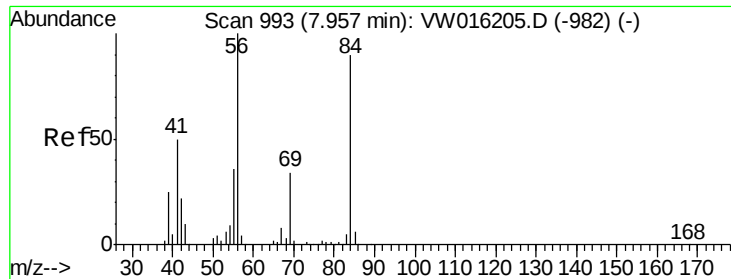
Tot Ion: 83 Resp: 234411
Ion Ratio Lower Upper
83 100
85 65.8 46.0 85.4



#27
1,2-Dichloroethane
Concen: 21.727 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

Tgt Ion: 62 Resp: 146102
Ion Ratio Lower Upper
62 100
98 10.4 7.7 11.5

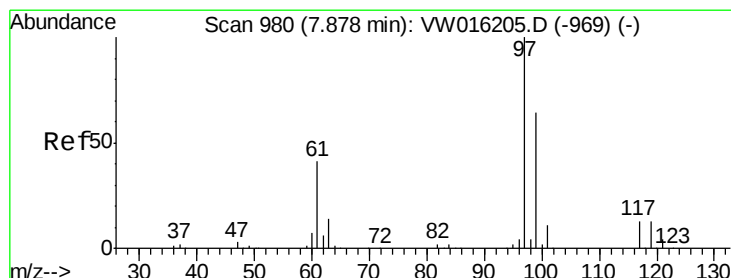
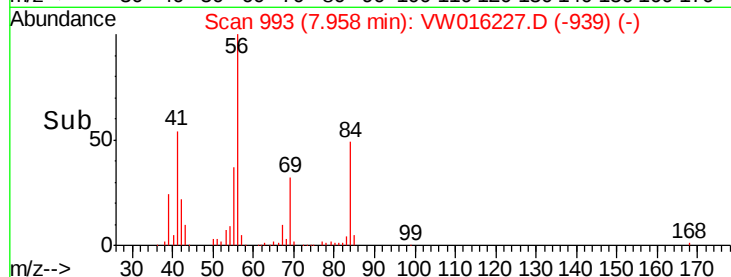
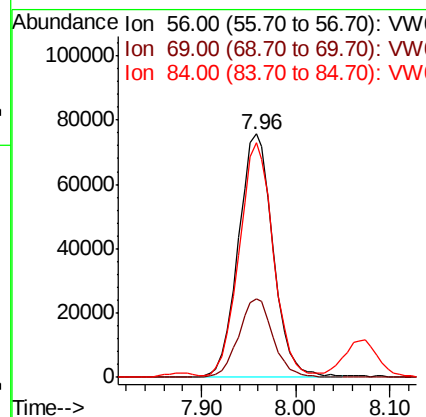
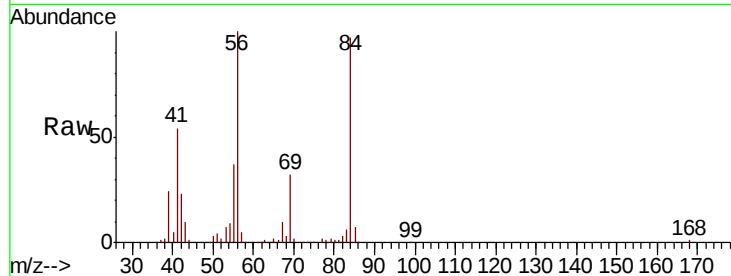




#30
Cyclohexane
Concen: 24.031 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

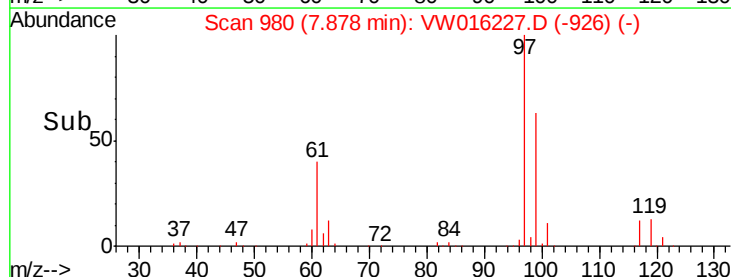
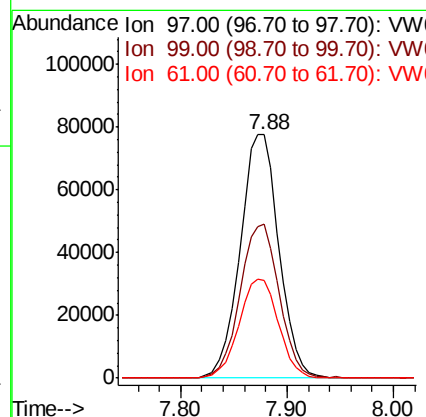
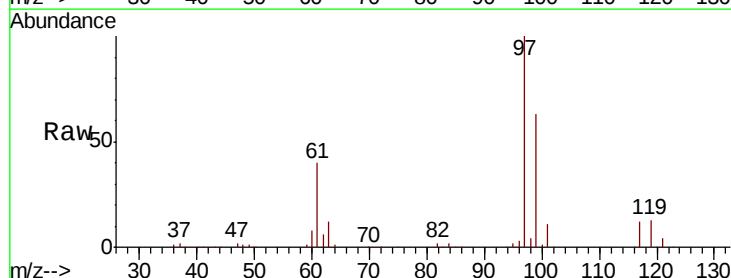
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

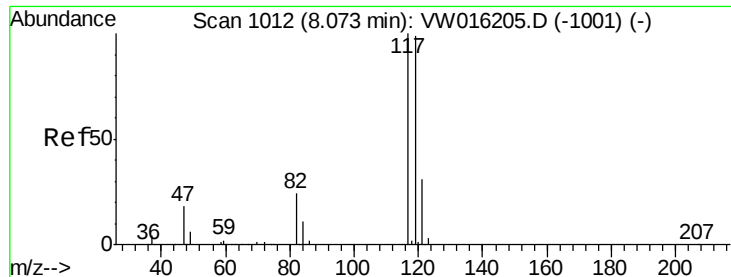
Tot Ion: 56 Resp: 194947
Ion Ratio Lower Upper
56 100
69 31.8 25.4 38.0
84 94.8 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 23.121 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

Tgt Ion: 97 Resp: 198076
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 41.3 34.5 51.7





#32

Carbon tetrachloride

Concen: 23.006 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampleId :

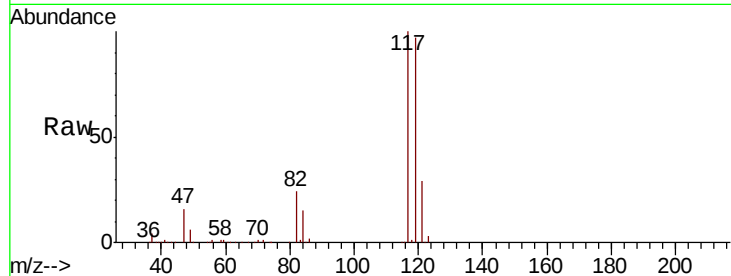
VSTD02516

Tot Ion:117 Resp: 186413

Ion Ratio Lower Upper

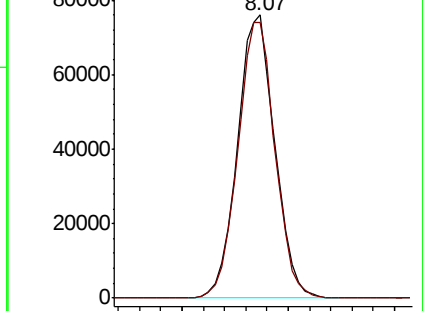
117 100

119 97.3 75.2 112.8

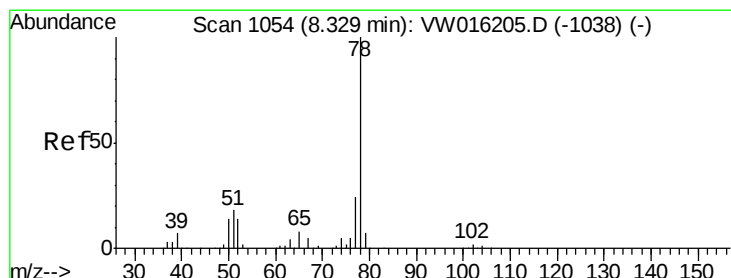
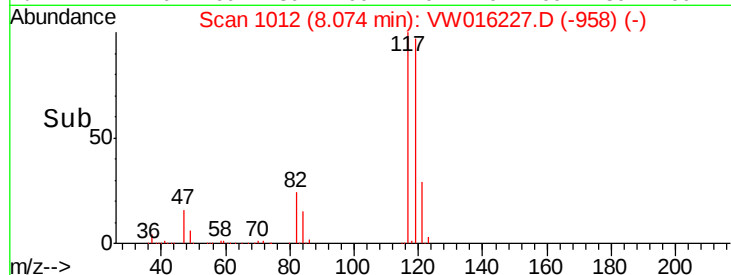


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 24.147 ug/L

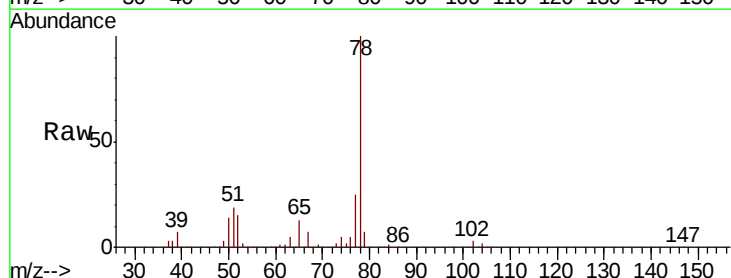
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

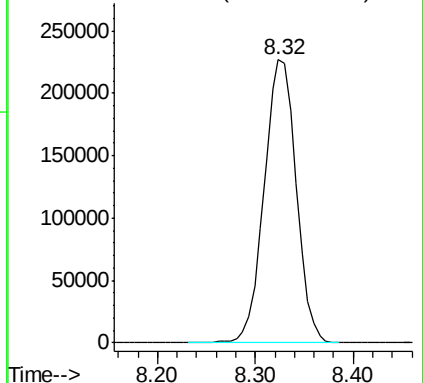
Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

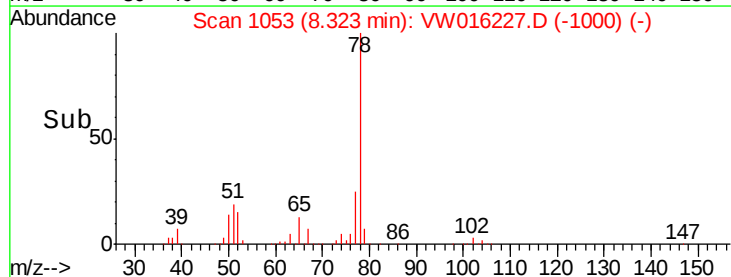
Tgt Ion: 78 Resp: 519168

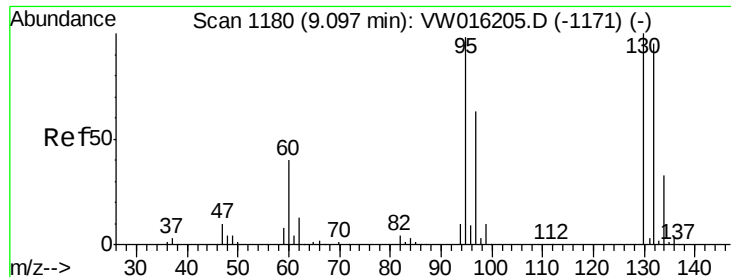


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 24.082 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampled :

VSTD02516

Tot Ion: 95 Resp: 139222

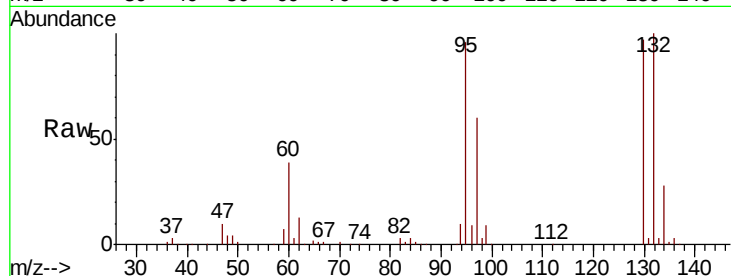
Ion Ratio Lower Upper

95 100

97 62.6 44.9 83.3

132 99.4 65.8 122.2

130 101.3 69.5 129.1

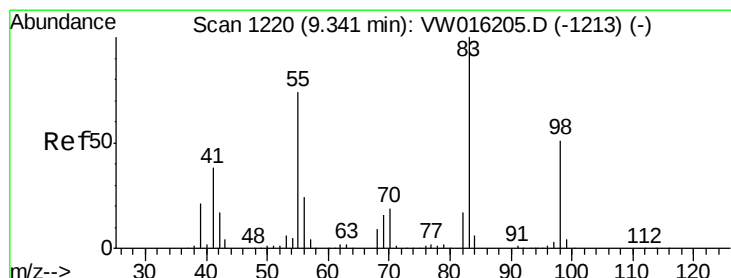
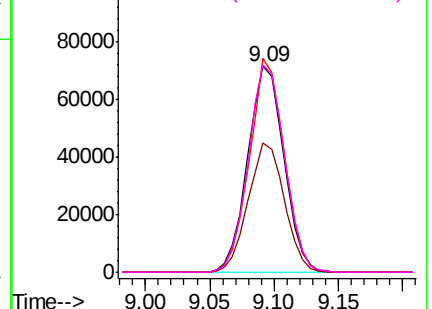
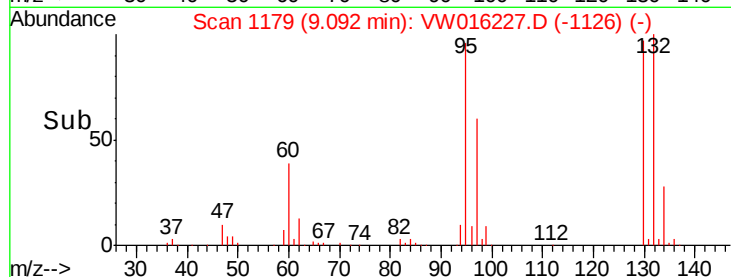


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.824 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

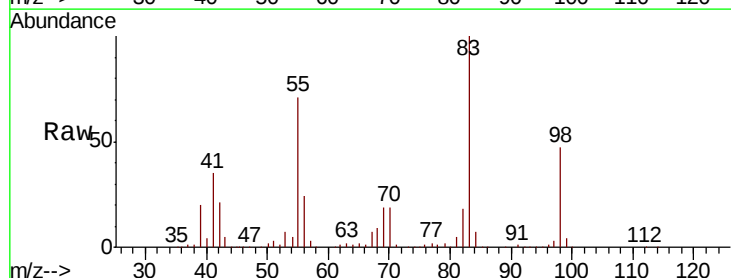
Tgt Ion: 83 Resp: 236415

Ion Ratio Lower Upper

83 100

55 71.3 60.7 91.1

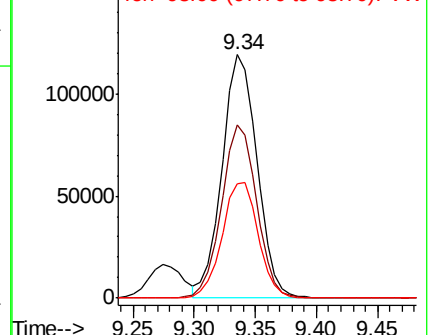
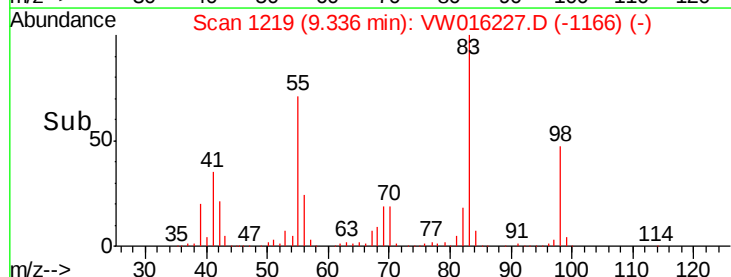
98 49.4 39.4 59.0

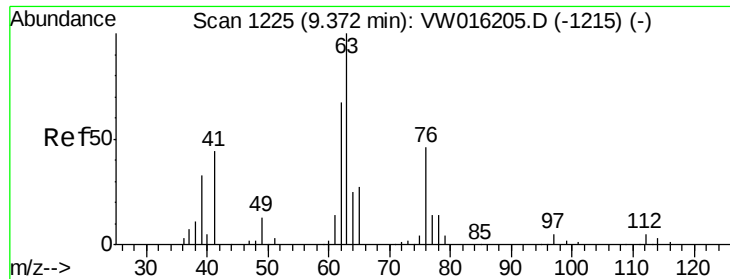


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

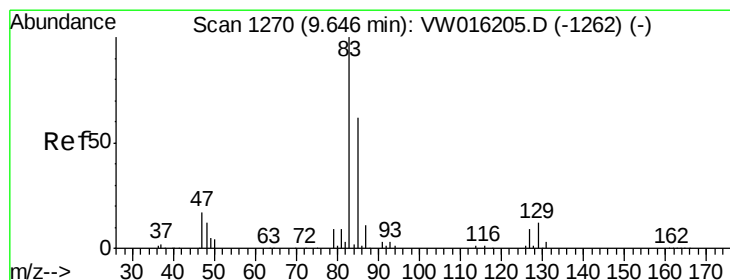
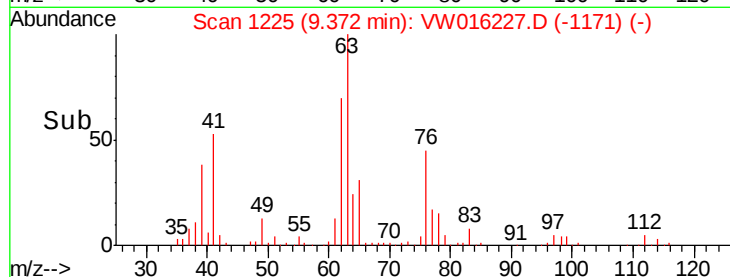
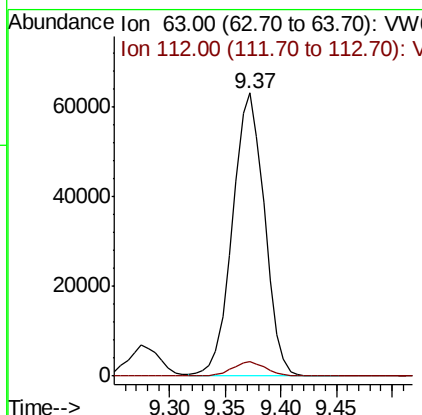
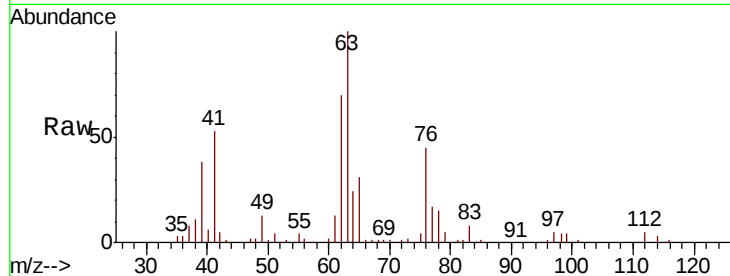




#40
 1,2-Dichloropropane
 Concen: 23.814 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016227.D
 Acq: 17 Aug 2020 18:45

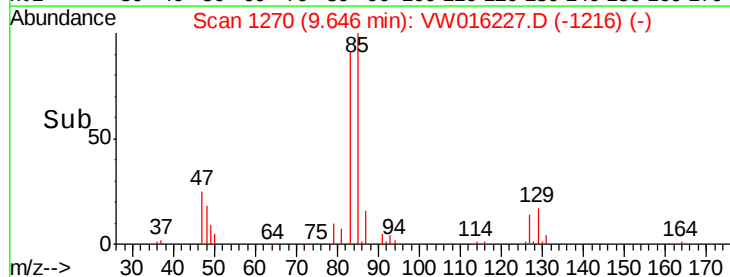
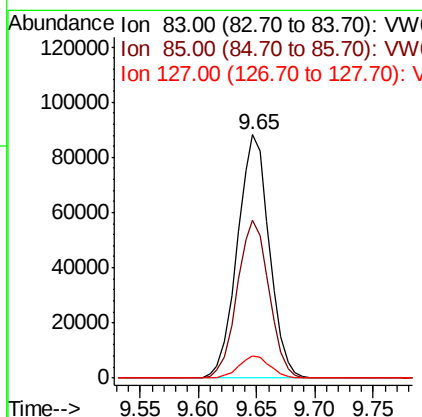
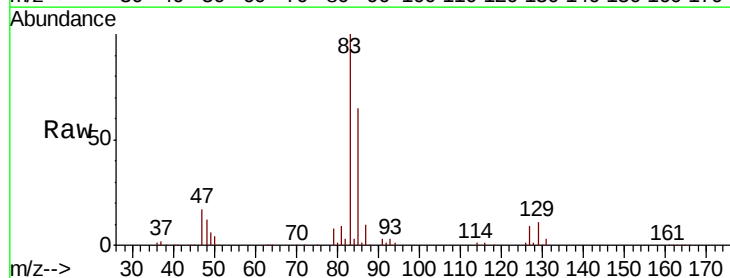
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02516

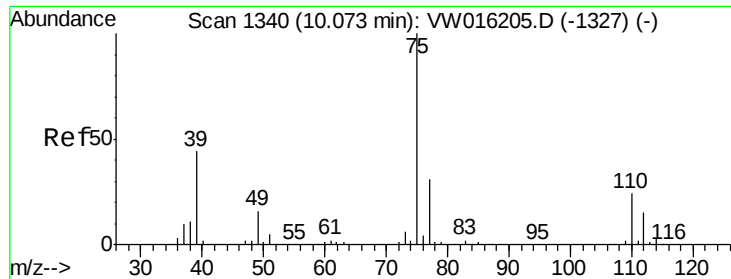
Tot Ion: 63 Resp: 125734
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.0 6.0



#41
 Bromodichloromethane
 Concen: 23.168 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016227.D
 Acq: 17 Aug 2020 18:45

Tgt Ion: 83 Resp: 168034
 Ion Ratio Lower Upper
 83 100
 85 64.7 46.1 85.5
 127 8.9 7.2 10.8

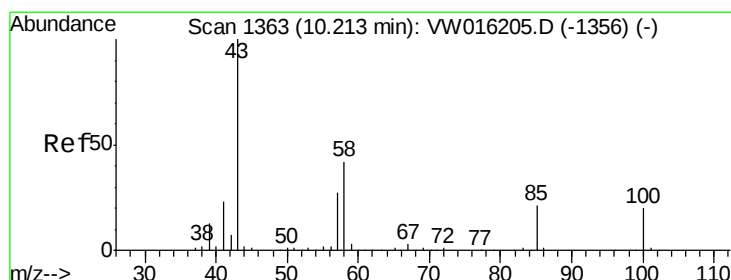
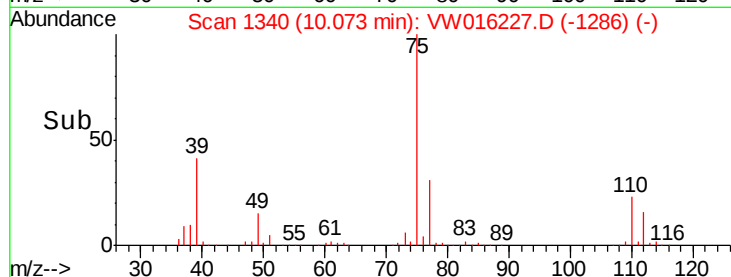
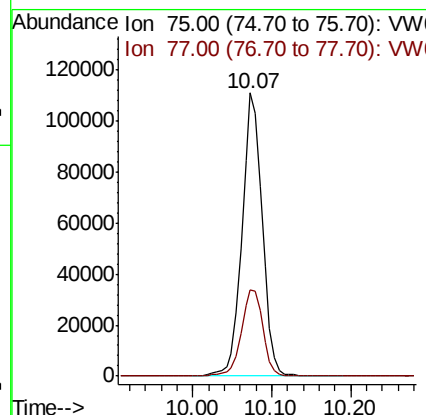
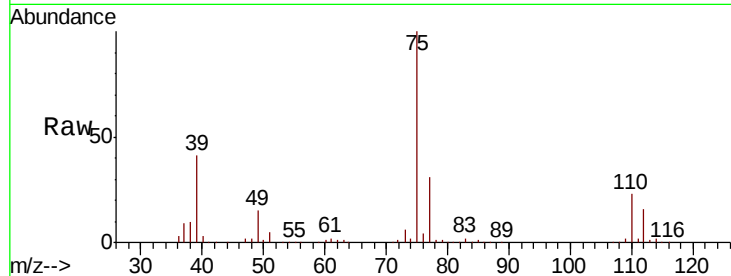




#42
 cis-1,3-Dichloropropene
 Concen: 24.626 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016227.D
 Acq: 17 Aug 2020 18:45

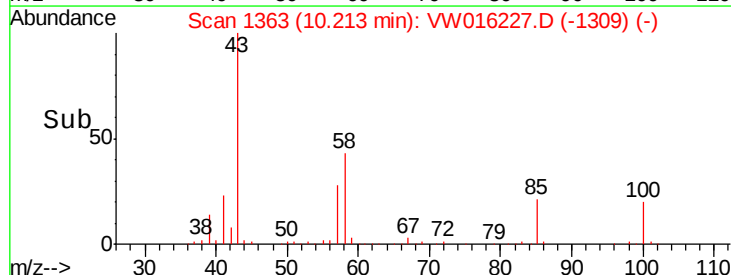
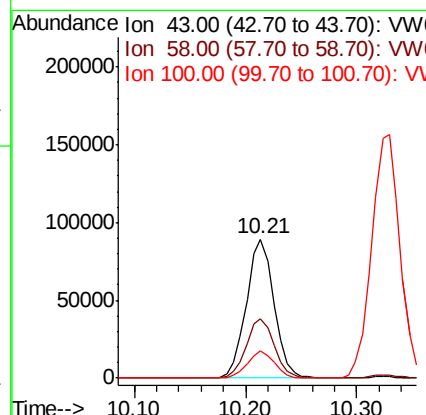
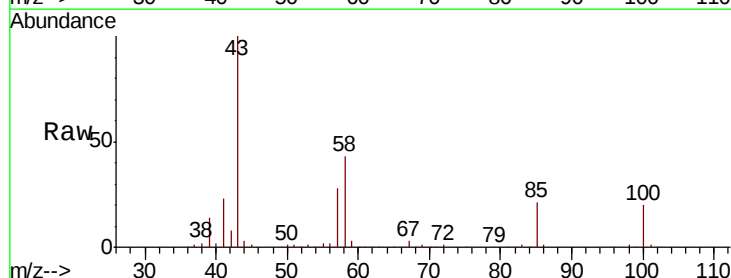
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02516

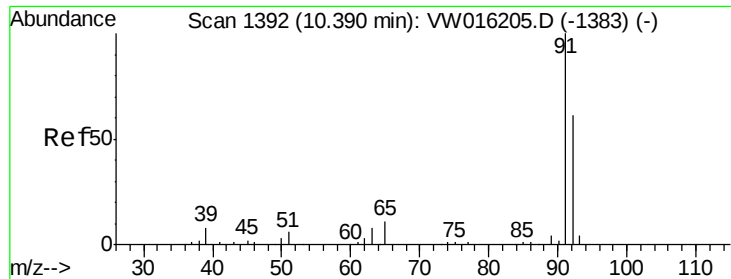
Tot Ion: 75 Resp: 198011
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 48.775 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016227.D
 Acq: 17 Aug 2020 18:45

Tgt Ion: 43 Resp: 154893
 Ion Ratio Lower Upper
 43 100
 58 42.8 32.1 48.1
 100 19.1 13.8 20.8





#44

Toluene

Concen: 24.824 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampleId :

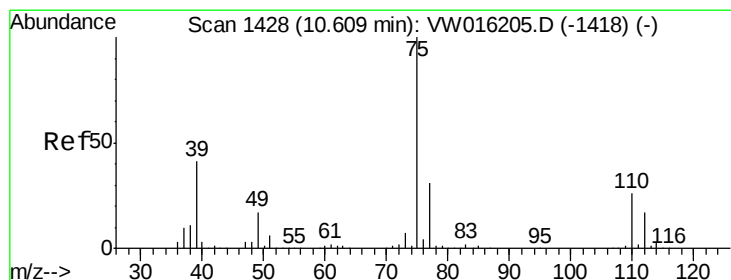
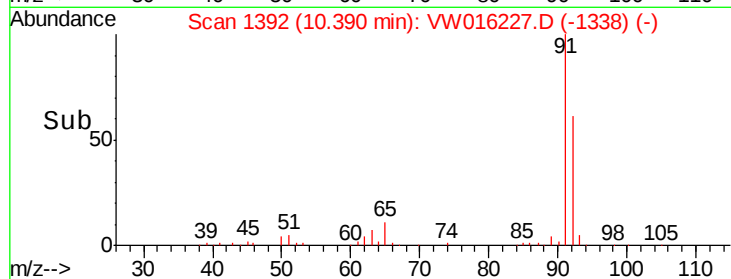
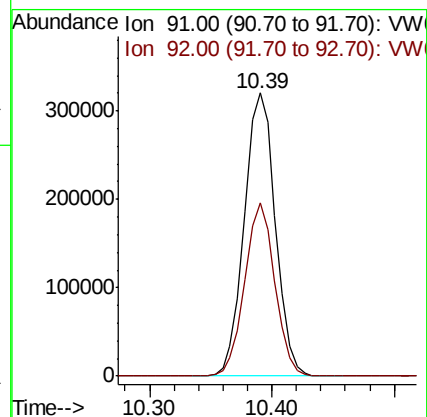
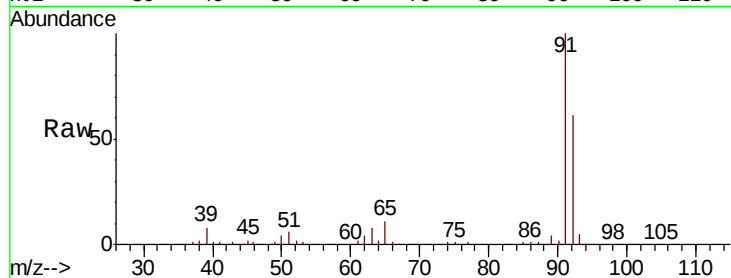
VSTD02516

Tot Ion: 91 Resp: 563408

Ion Ratio Lower Upper

91 100

92 61.1 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 24.214 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016227.D

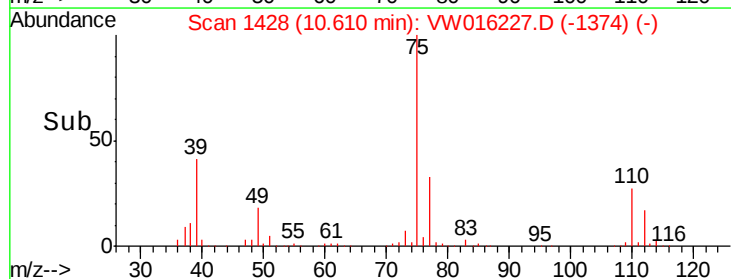
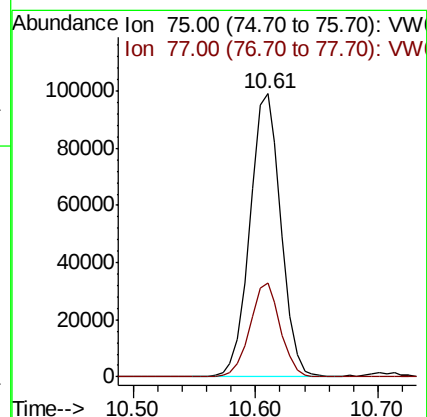
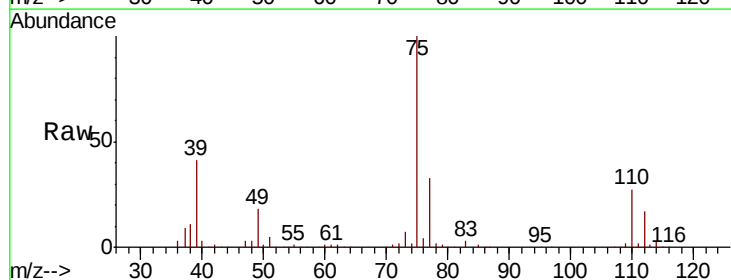
Acq: 17 Aug 2020 18:45

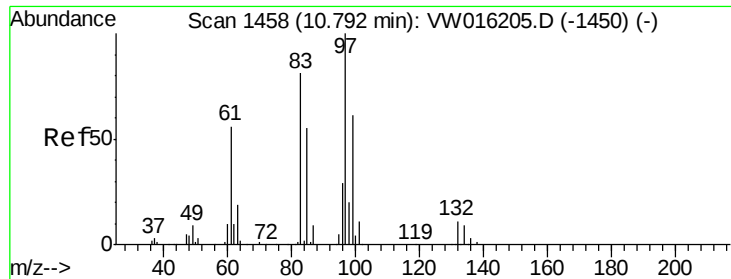
Tgt Ion: 75 Resp: 174898

Ion Ratio Lower Upper

75 100

77 33.3 22.7 42.1

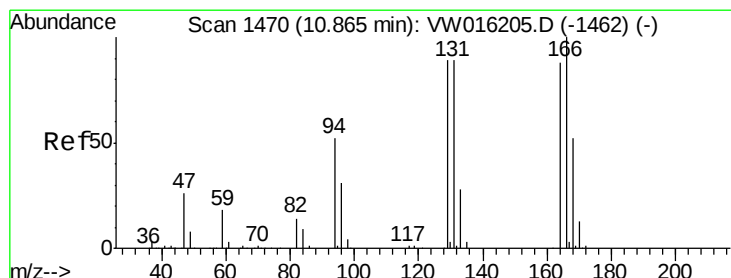
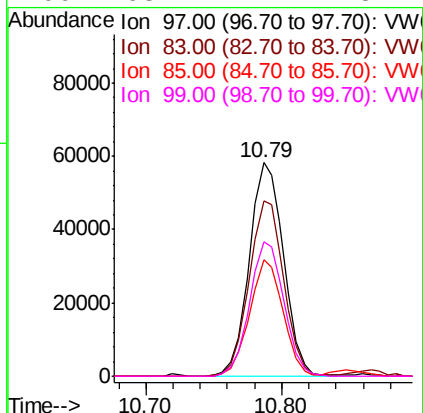
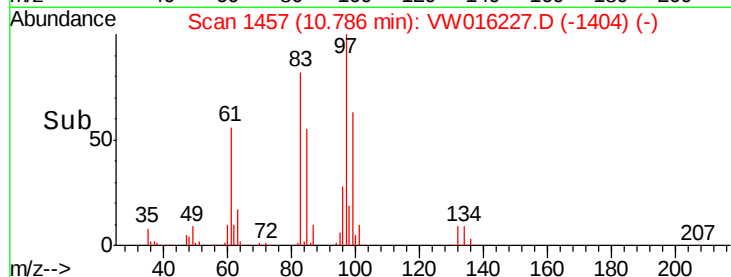
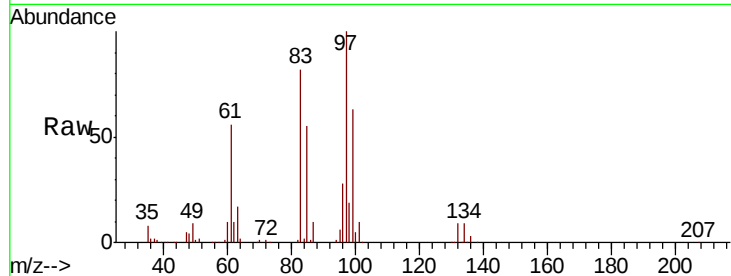




#46
1,1,2-Trichloroethane
Concen: 24.783 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

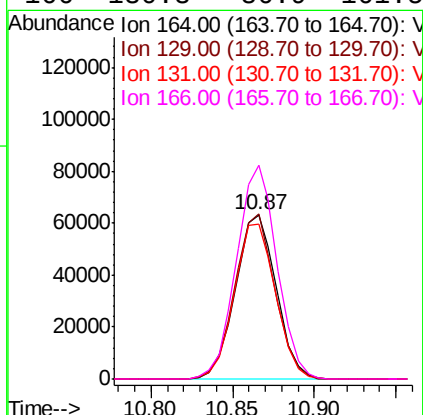
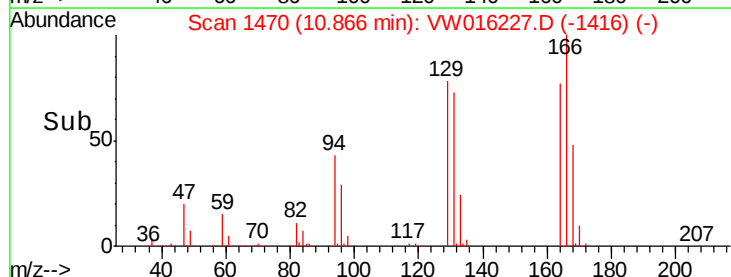
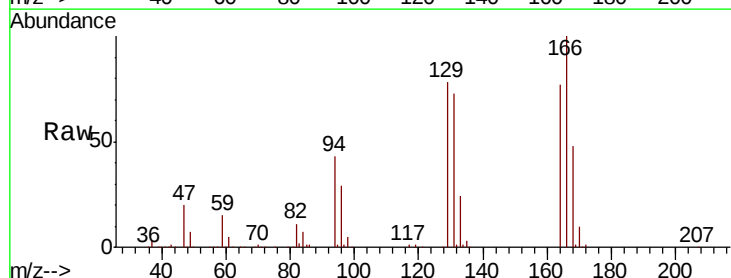
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

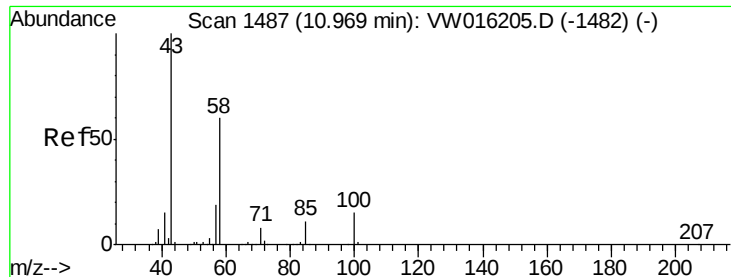
Tot Ion:	97	Resp:	102999
Ion	Ratio	Lower	Upper
97	100		
83	82.3	57.8	107.4
85	54.6	38.0	70.6
99	63.1	44.4	82.4



#47
Tetrachloroethene
Concen: 25.222 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

Tgt Ion:	164	Resp:	109309
Ion	Ratio	Lower	Upper
164	100		
129	101.1	71.5	132.9
131	94.7	65.4	121.4
166	130.3	86.9	161.5

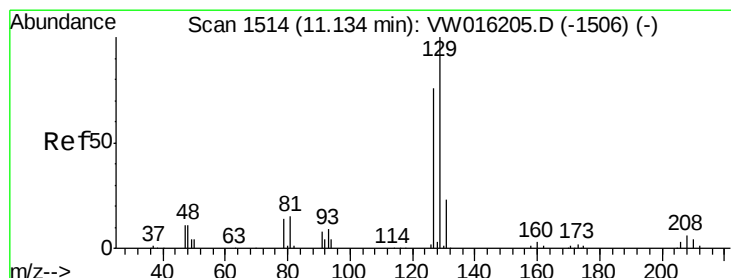
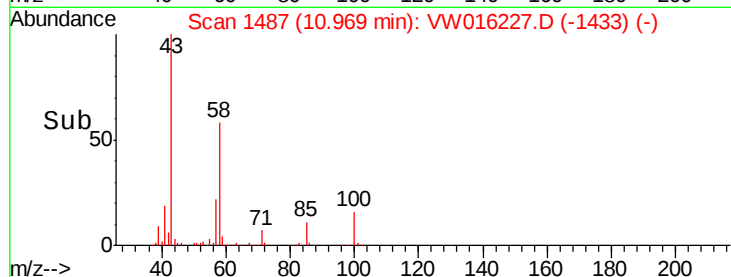
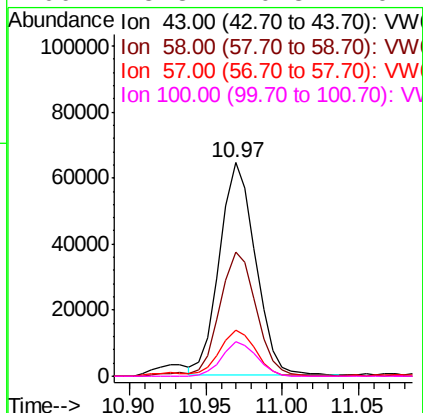
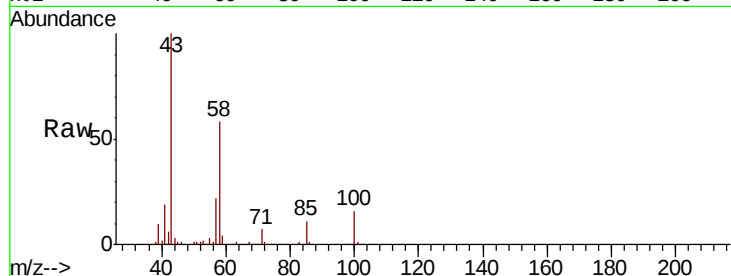




#49
2-Hexanone
Concen: 49.201 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

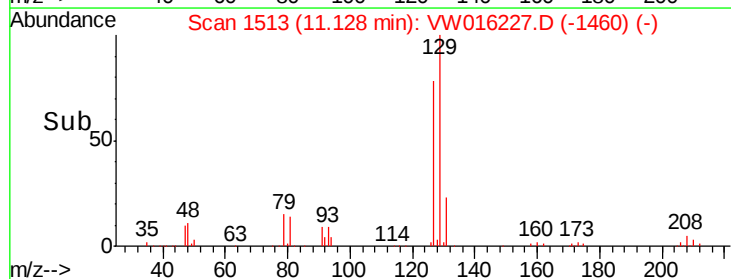
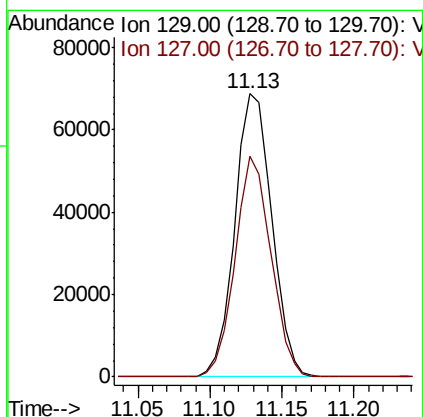
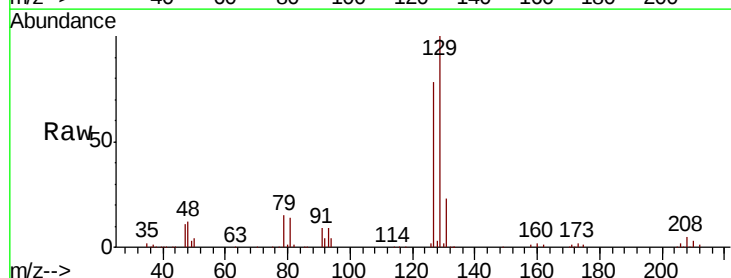
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

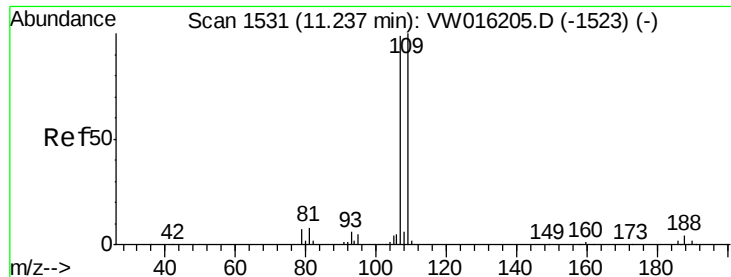
Tot Ion:	43	Resp:	105429
Ion	Ratio	Lower	Upper
43	100		
58	58.7	44.2	66.2
57	21.8	15.8	23.6
100	15.8	10.8	16.2



#50
Dibromochloromethane
Concen: 25.078 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

Tgt Ion:	129	Resp:	122754
Ion	Ratio	Lower	Upper
129	100		
127	77.8	55.4	102.8

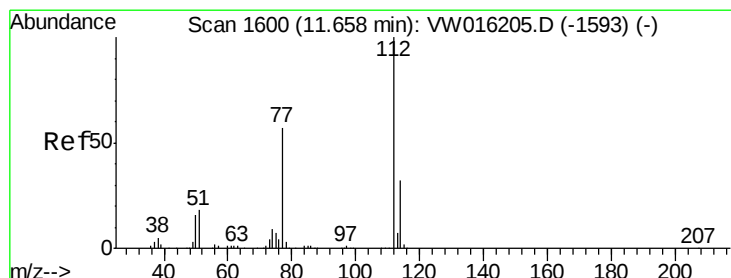
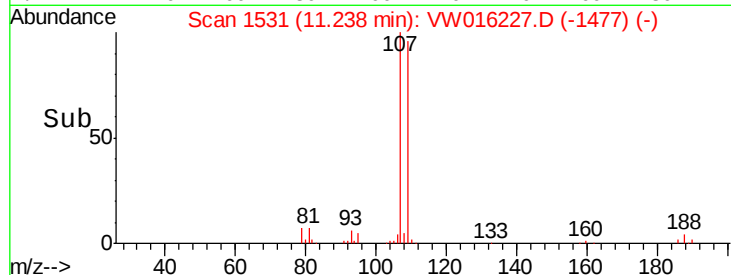
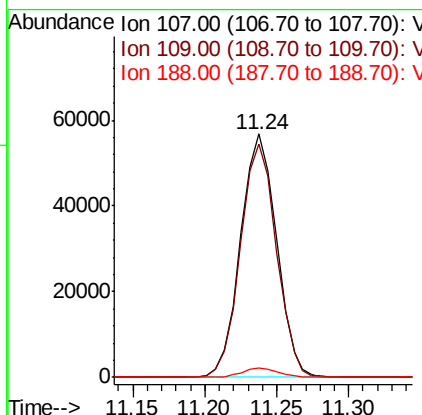
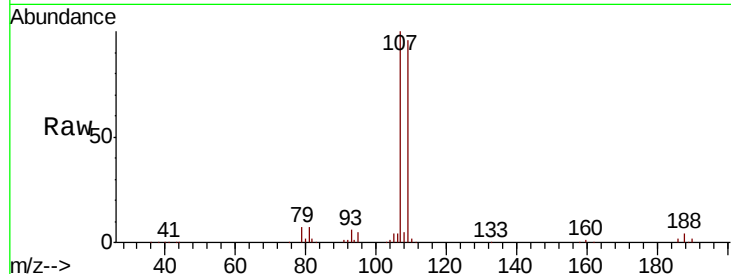




#51
 1,2-Dibromoethane
 Concen: 24.999 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016227.D
 Acq: 17 Aug 2020 18:45

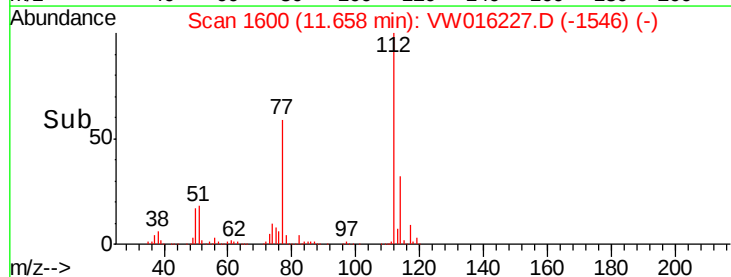
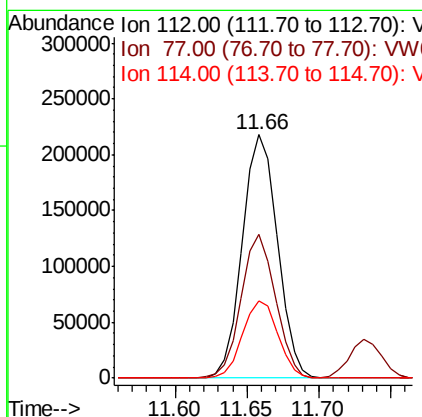
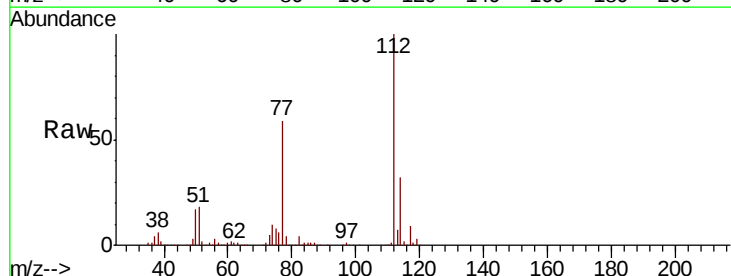
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

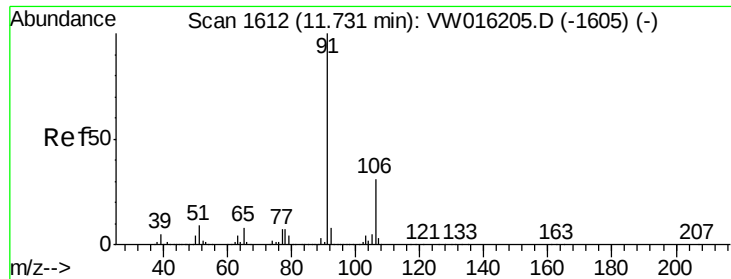
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	66.0	122.6
188	3.7	2.8	4.2



#52
 Chlorobenzene
 Concen: 24.521 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016227.D
 Acq: 17 Aug 2020 18:45

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.3	49.1	73.7
114	31.9	23.5	43.7

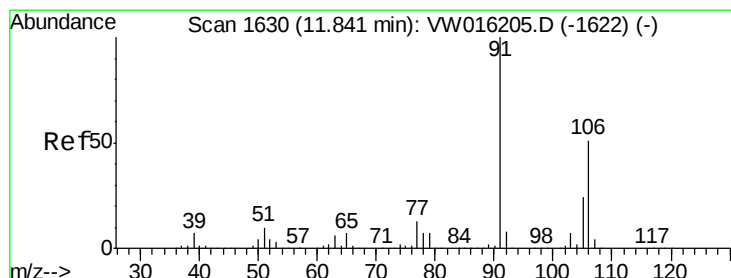
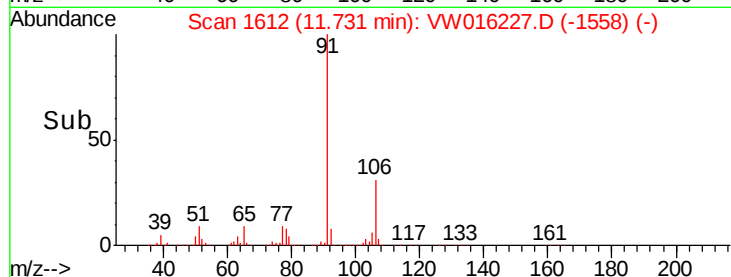
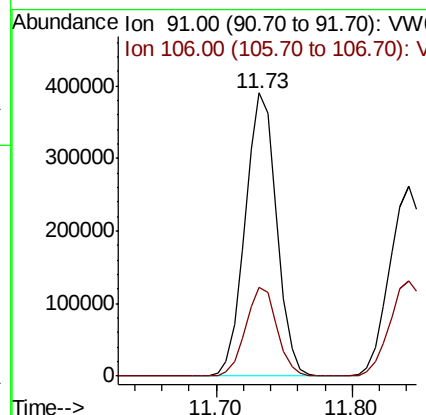
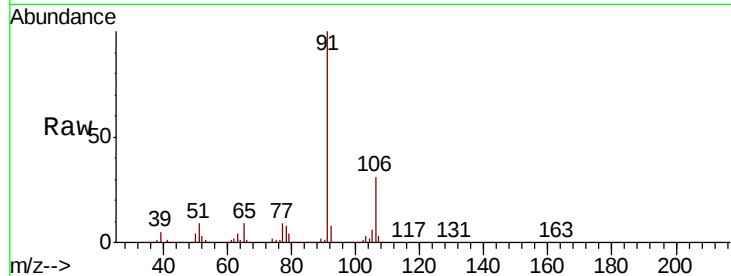




#53
Ethylbenzene
Concen: 24.531 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

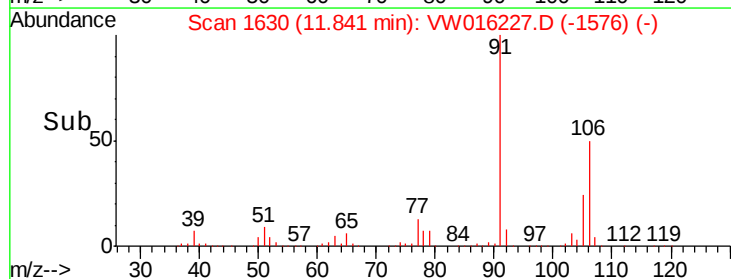
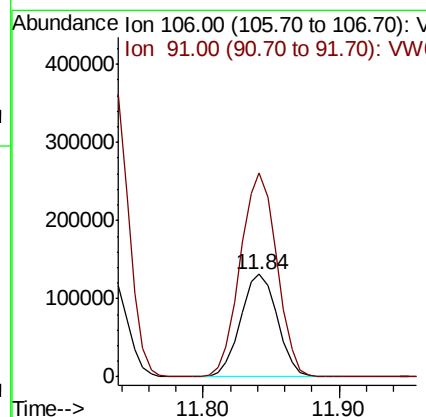
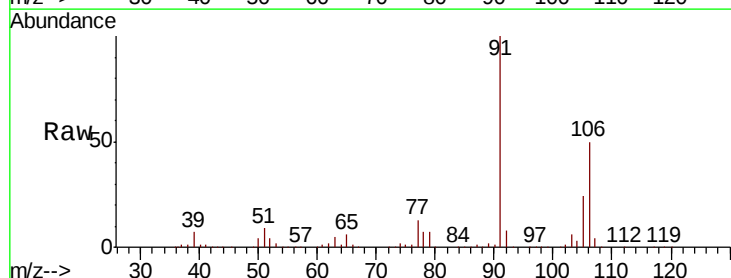
Instrument :
MSVOA_W
ClientSampled :
VSTD02516

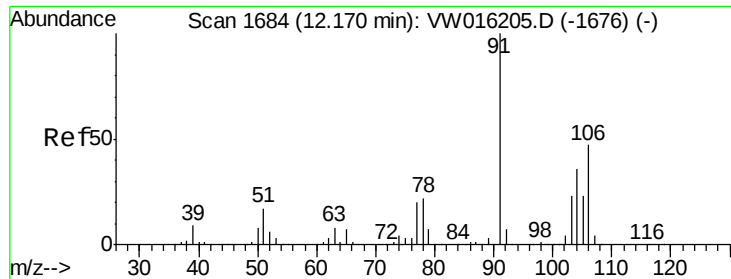
Tot Ion: 91 Resp: 631671
Ion Ratio Lower Upper
91 100
106 31.4 21.8 40.4



#54
m,p-Xylene
Concen: 25.665 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

Tgt Ion: 106 Resp: 248602
Ion Ratio Lower Upper
106 100
91 198.6 136.4 253.2

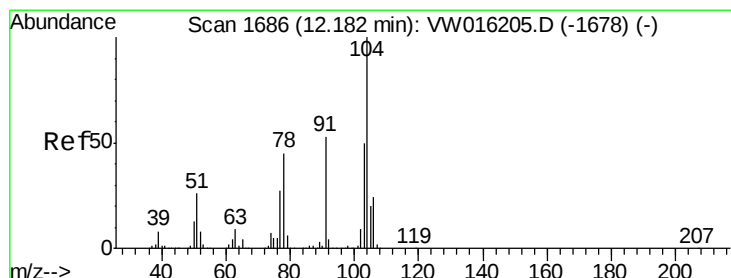
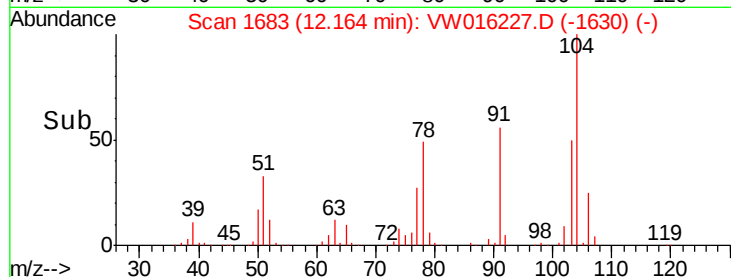
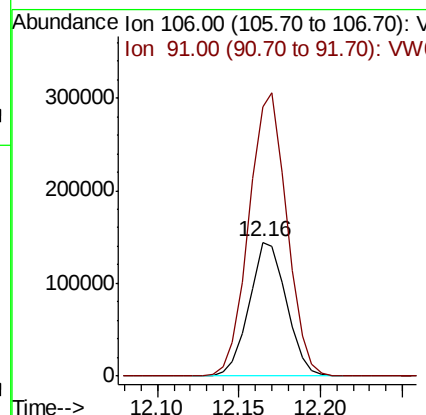
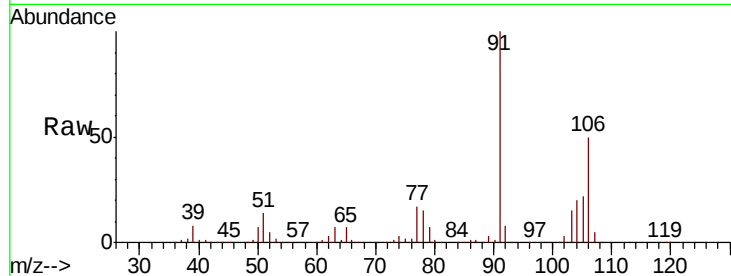




#55
o-xylene
Concen: 25.234 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

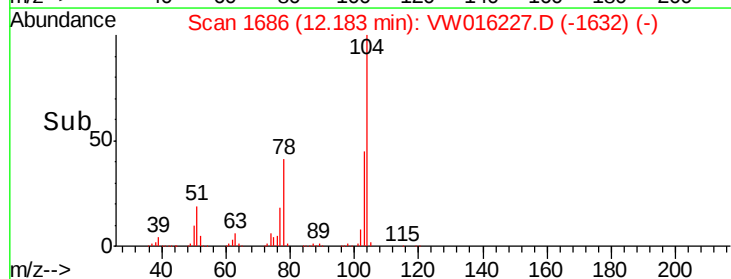
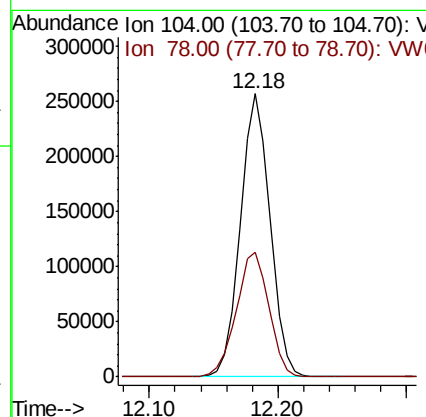
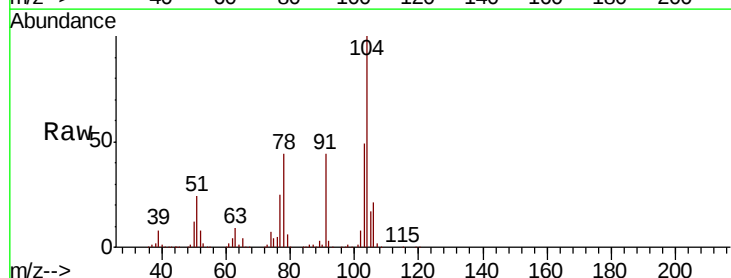
Instrument :
MSVOA_W
ClientSampled :
VSTD02516

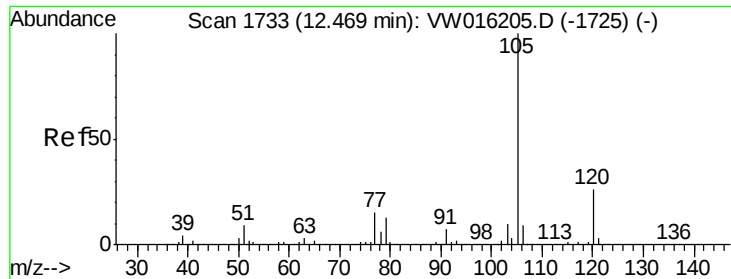
Tot Ion:106 Resp: 230235
Ion Ratio Lower Upper
106 100
91 201.3 151.3 281.1



#56
Styrene
Concen: 25.888 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016227.D
Acq: 17 Aug 2020 18:45

Tgt Ion:104 Resp: 408928
Ion Ratio Lower Upper
104 100
78 43.9 32.0 59.4





#57

Isopropylbenzene

Concen: 25.821 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampled :

VSTD02516

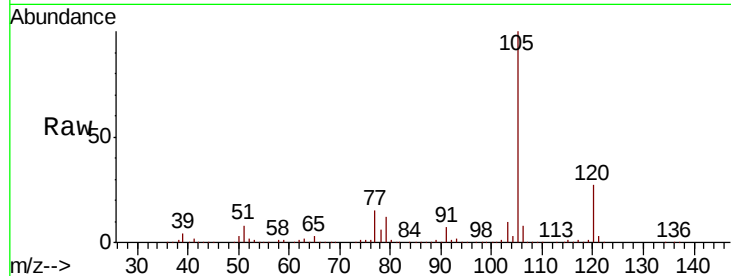
Tot Ion: 105 Resp: 635172

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

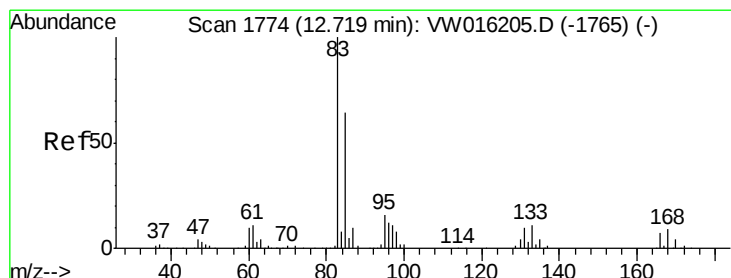
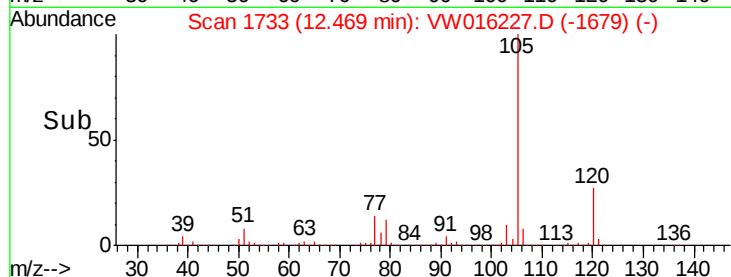
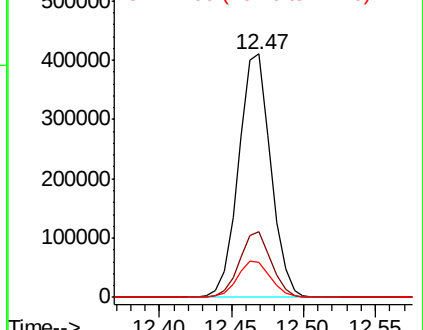
77 15.4 12.6 18.8



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: 25.141 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

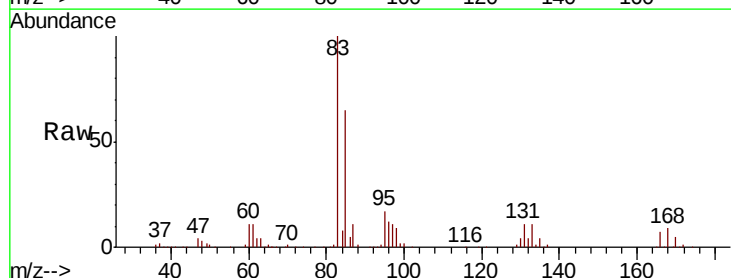
Tgt Ion: 83 Resp: 121915

Ion Ratio Lower Upper

83 100

85 65.2 42.4 78.8

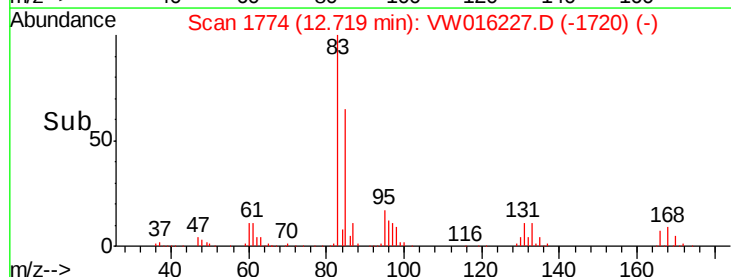
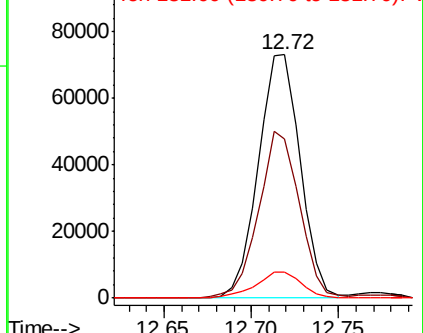
131 10.7 7.8 11.8

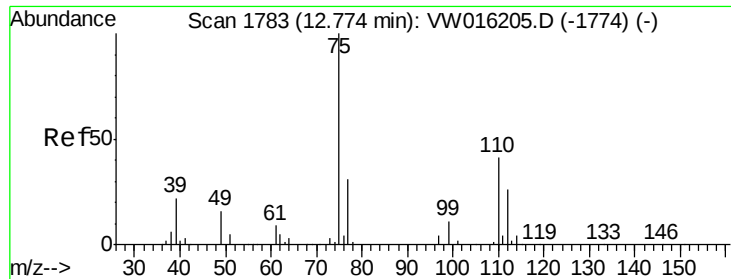


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.727 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampleId :

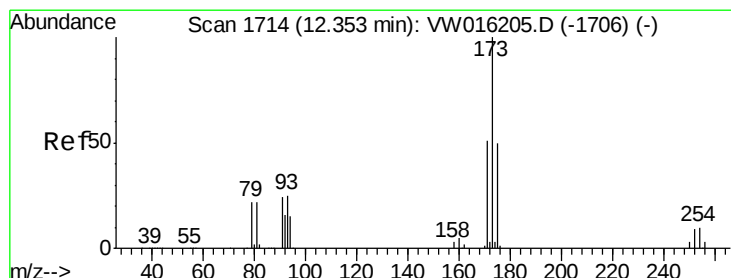
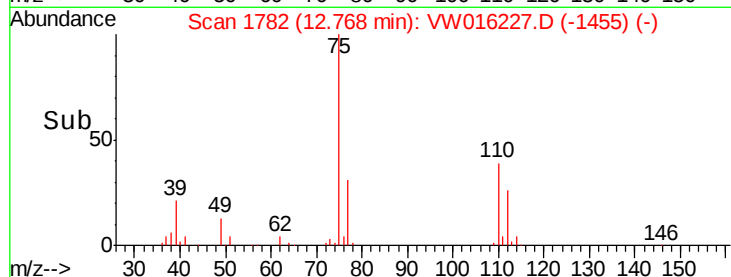
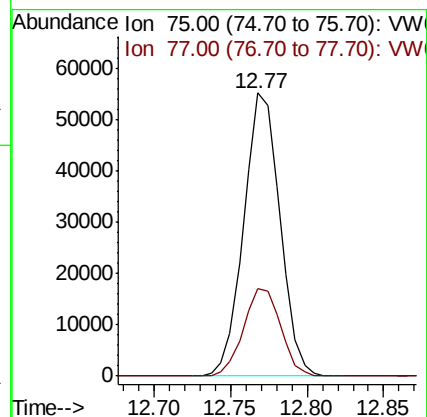
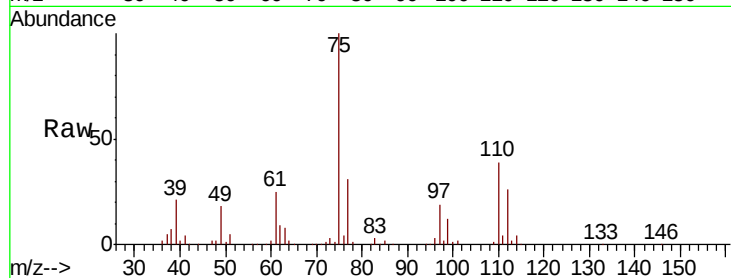
VSTD02516

Tot Ion: 75 Resp: 90838

Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9



#62

Bromoform

Concen: 24.246 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

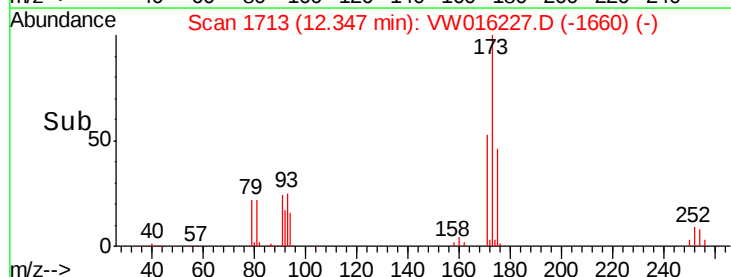
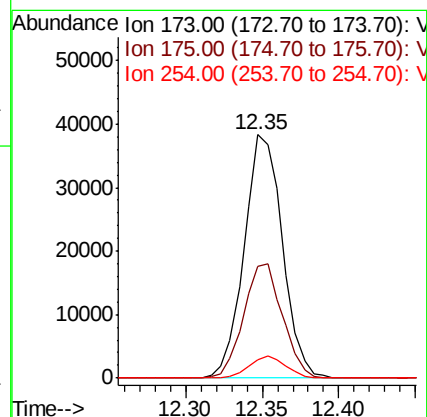
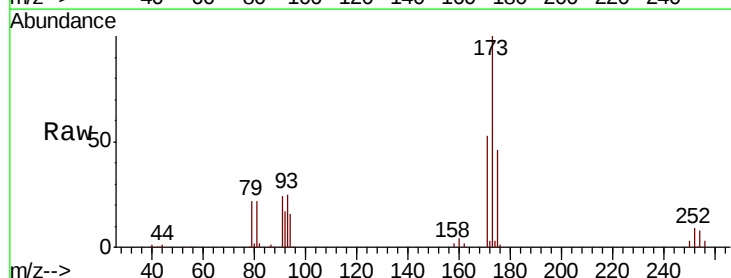
Tgt Ion: 173 Resp: 66615

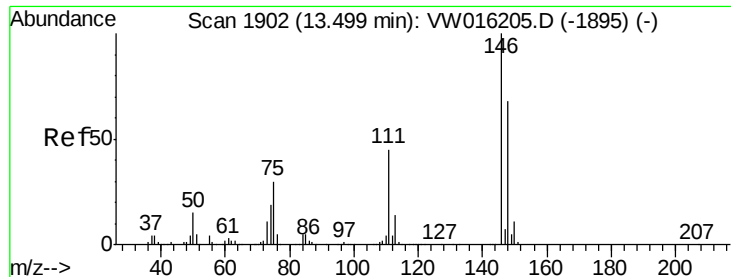
Ion Ratio Lower Upper

173 100

175 47.6 37.8 56.6

254 8.7 6.8 10.2

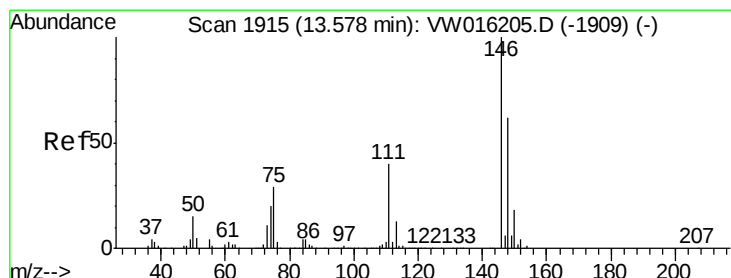
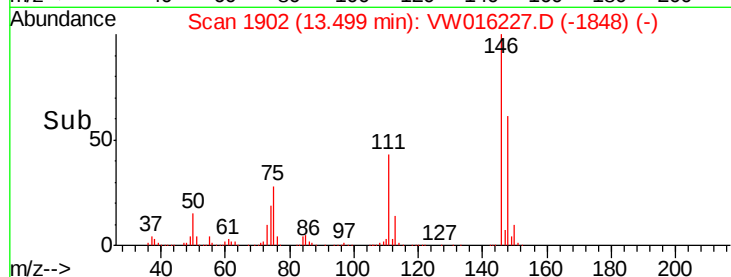
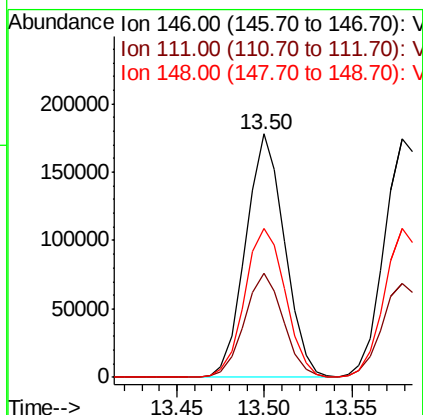
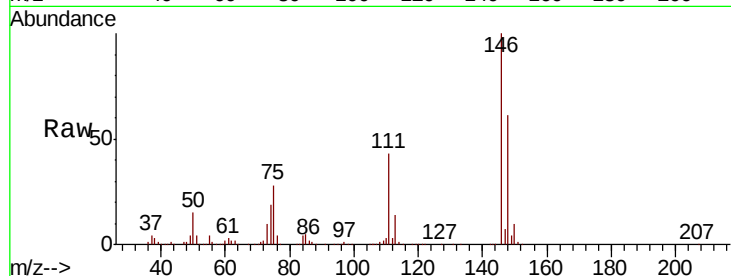




#63
 1,3-Dichlorobenzene
 Concen: 24.154 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016227.D
 Acq: 17 Aug 2020 18:45

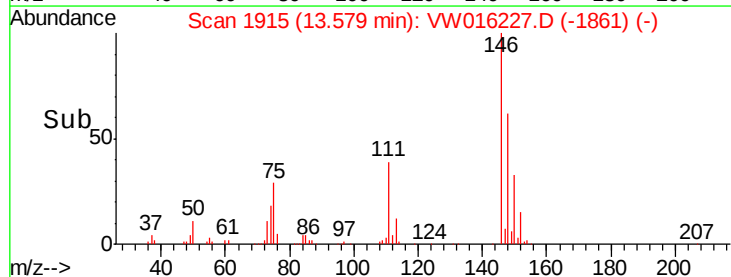
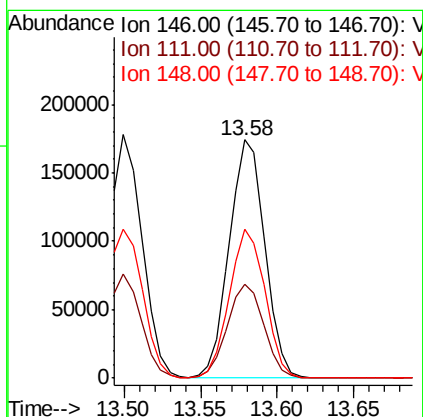
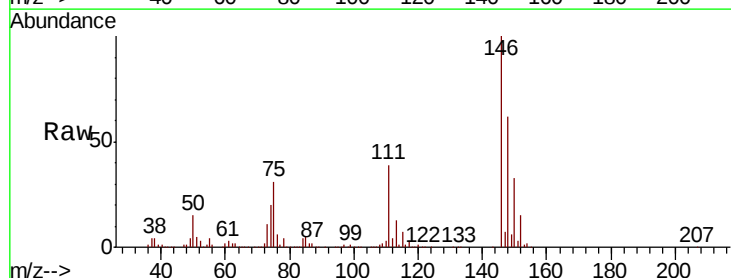
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

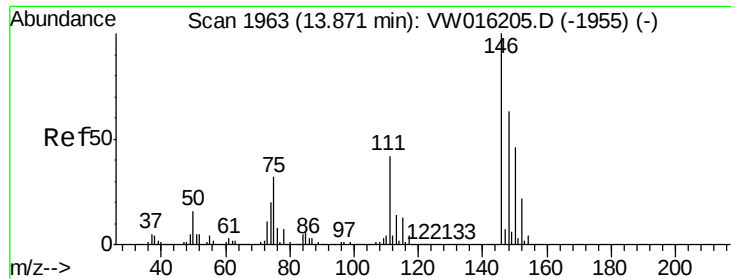
Tot Ion:146 Resp: 277183
 Ion Ratio Lower Upper
 146 100
 111 42.7 28.9 53.7
 148 61.0 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 24.079 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016227.D
 Acq: 17 Aug 2020 18:45

Tgt Ion:146 Resp: 281489
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.6 53.2
 148 62.3 47.7 88.5





#65

1,2-Dichlorobenzene

Concen: 24.339 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

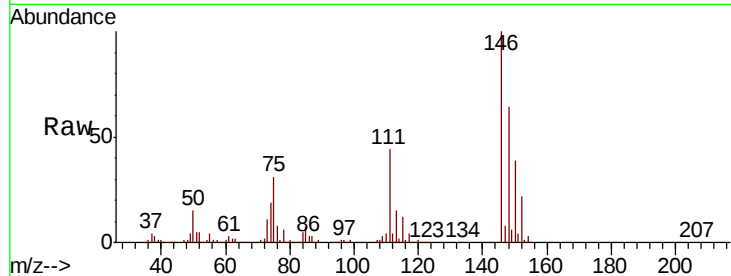
Tot Ion:146 Resp: 256085

Ion Ratio Lower Upper

146 100

111 43.7 35.3 52.9

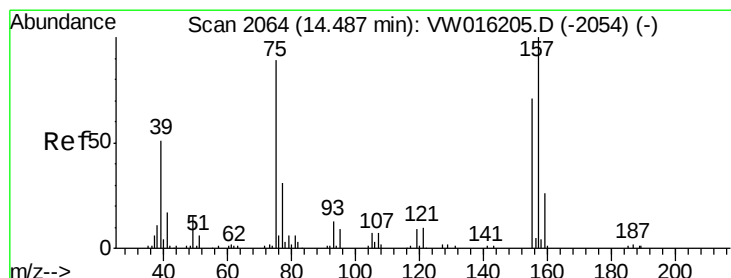
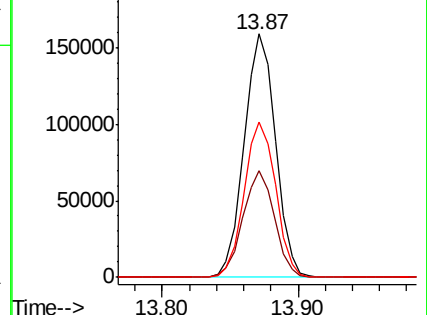
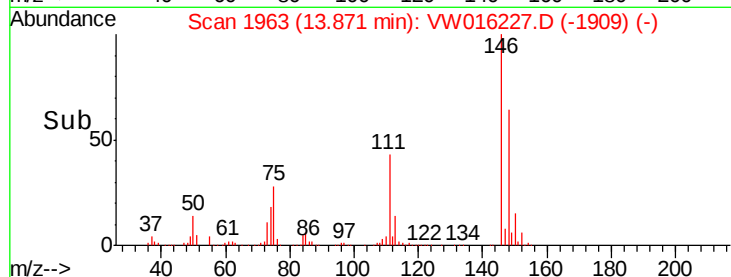
148 63.8 49.0 73.4



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: 23.180 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

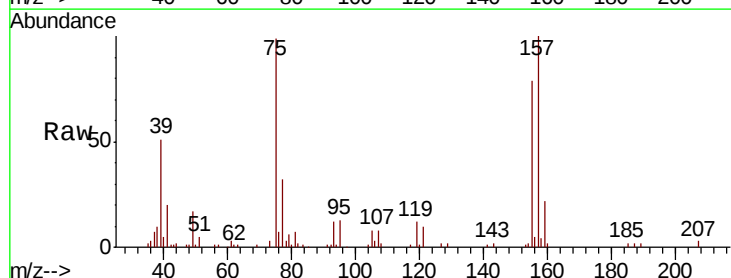
Tgt Ion: 75 Resp: 21386

Ion Ratio Lower Upper

75 100

157 101.1 73.9 110.9

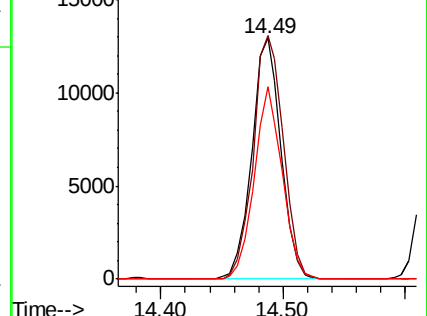
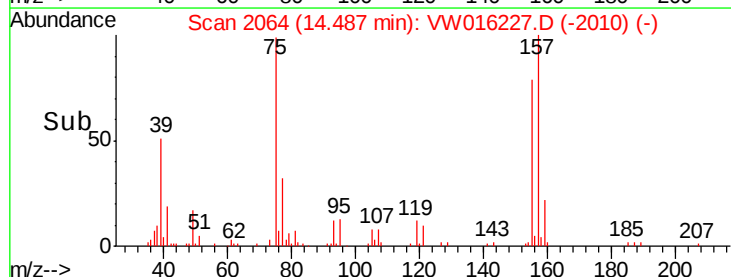
155 79.8 63.4 95.2

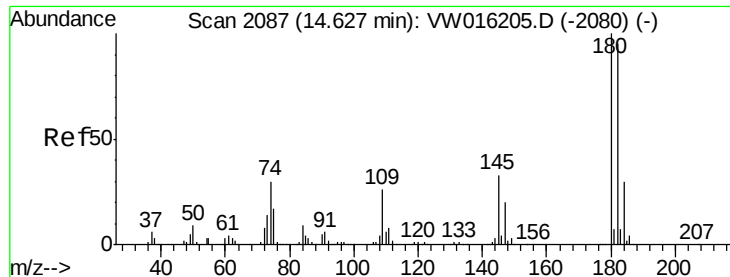


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 25.856 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tot Ion:180 Resp: 187222

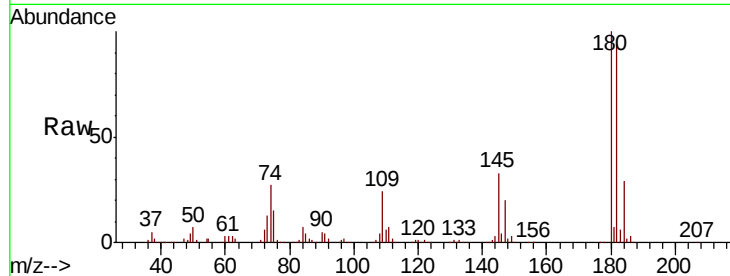
Ion Ratio Lower Upper

180 100

182 96.0 76.3 114.5

184 28.7 25.1 37.7

145 33.9 26.9 40.3

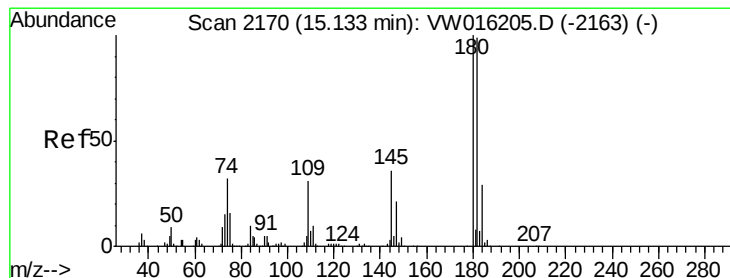
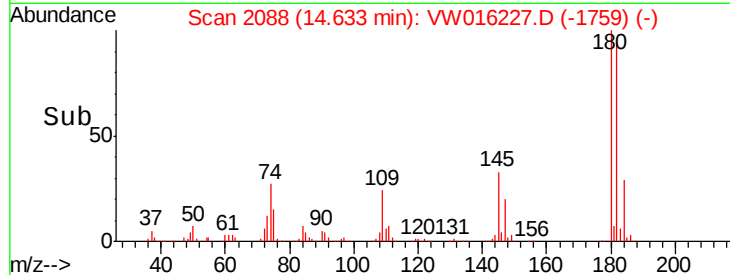
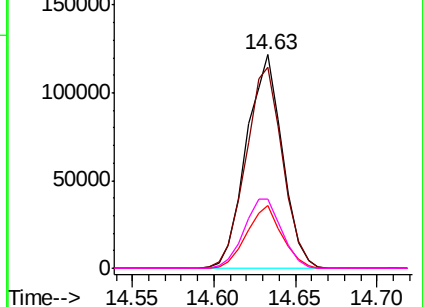


Abundance Ion 180.00 (179.70 to 180.70): V

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: 25.897 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

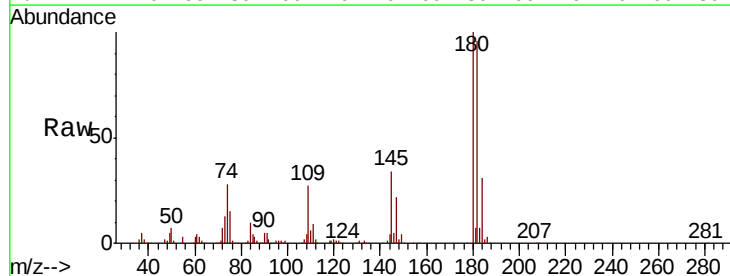
Tgt Ion:180 Resp: 151987

Ion Ratio Lower Upper

180 100

182 94.9 77.8 116.8

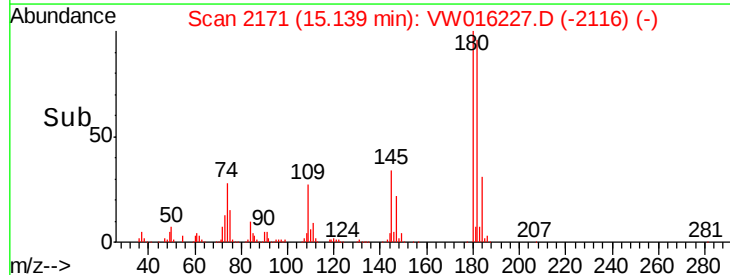
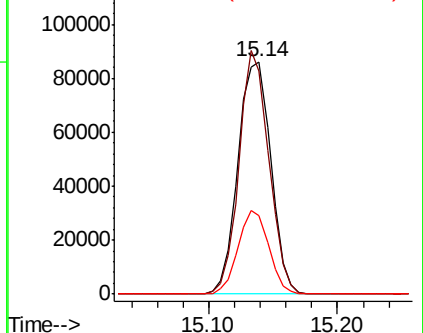
145 33.6 26.5 39.7

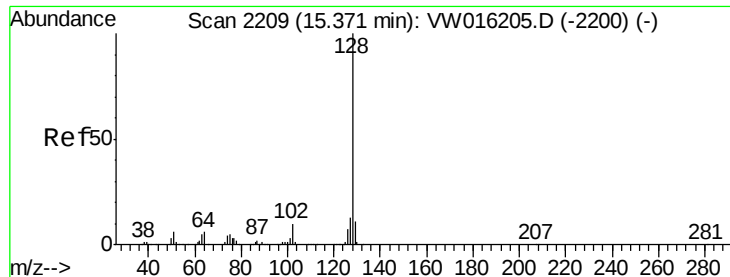


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.812 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

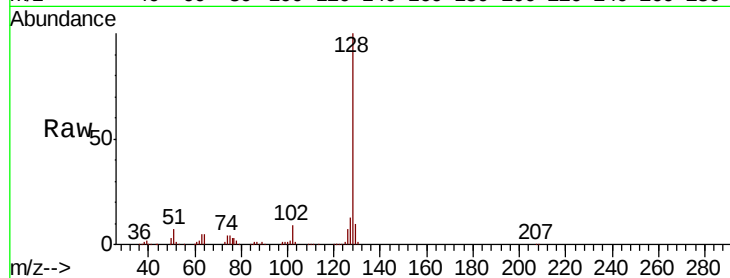
Tot Ion:128 Resp: 332146

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 12.9 10.3 15.5

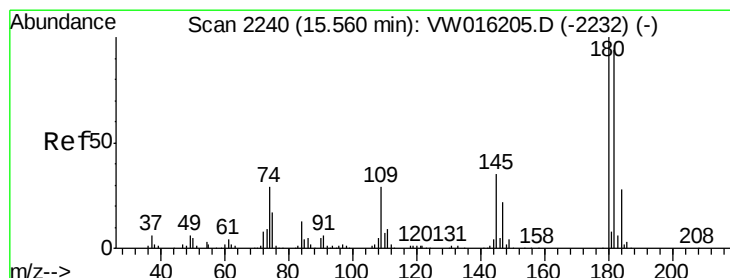
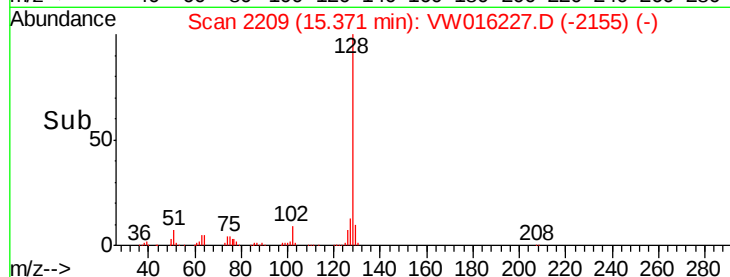
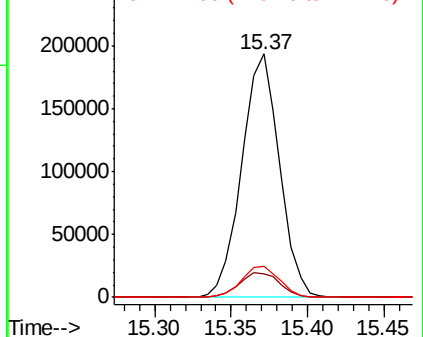


Abundance

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: 26.108 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016227.D

Acq: 17 Aug 2020 18:45

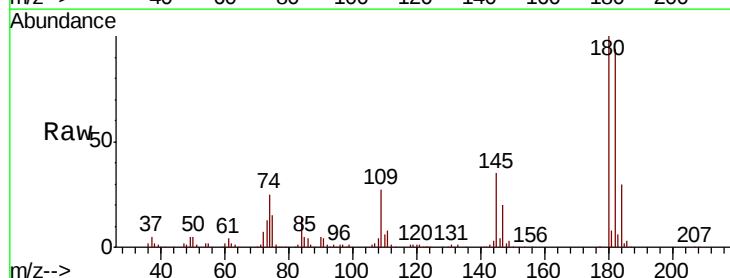
Tgt Ion:180 Resp: 139202

Ion Ratio Lower Upper

180 100

182 95.5 76.0 114.0

145 35.9 29.9 44.9



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

