

Data File : VW016856.D
Acq On : 08 Oct 2020 16:37
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

Quant Time: Oct 09 08:10:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 08 11:39:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	543092	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	482979	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	247264	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	148042	27.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.52%
7) Chloroethane-d5	2.90	69	121760	27.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.36%
10) 1,1-Dichloroethene-d2	4.03	63	304495	26.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.04%
20) 2-Butanone-d5	7.09	46	55380	45.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.28%
24) Chloroform-d	7.65	84	312794	27.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.16%
26) 1,2-Dichloroethane-d4	8.31	65	146797	26.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.08%
29) Benzene-d6	8.27	84	619013	28.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.88%
33) 1,2-Dichloropropane-d6	9.28	67	165112	28.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.04%
37) Toluene-d8	10.33	98	573626	27.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.84%
38) trans-1,3-Dichloropropene-	10.58	79	70088	26.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.84%
39) 2-Hexanone-d5	10.93	63	48977	53.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	126886	26.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	213027	27.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	156427	24.098 ug/L	95
3) Chloromethane	2.21	50	139391	24.360 ug/L	98
5) Vinyl chloride	2.37	62	206802	27.839 ug/L	100
6) Bromomethane	2.79	94	141207	25.856 ug/L	98
8) Chloroethane	2.93	64	122216	26.657 ug/L	99
9) Trichlorofluoromethane	3.26	101	147225	25.651 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	195003	26.669 ug/L	99
12) 1,1-Dichloroethene	4.04	96	186588	26.573 ug/L	97
13) Acetone	4.13	43	39828	43.370 ug/L	100
14) Carbon disulfide	4.39	76	529971	26.322 ug/L	99
15) Methyl Acetate	4.68	43	51361	23.408 ug/L	100
16) Methylene chloride	4.92	84	179941	24.008 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	202994	25.834 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	192559	26.250 ug/L	99
19) 1,1-Dichloroethane	6.22	63	296320	26.231 ug/L	98
21) 2-Butanone	7.18	43	62952	40.835 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	196325	26.229 ug/L	98

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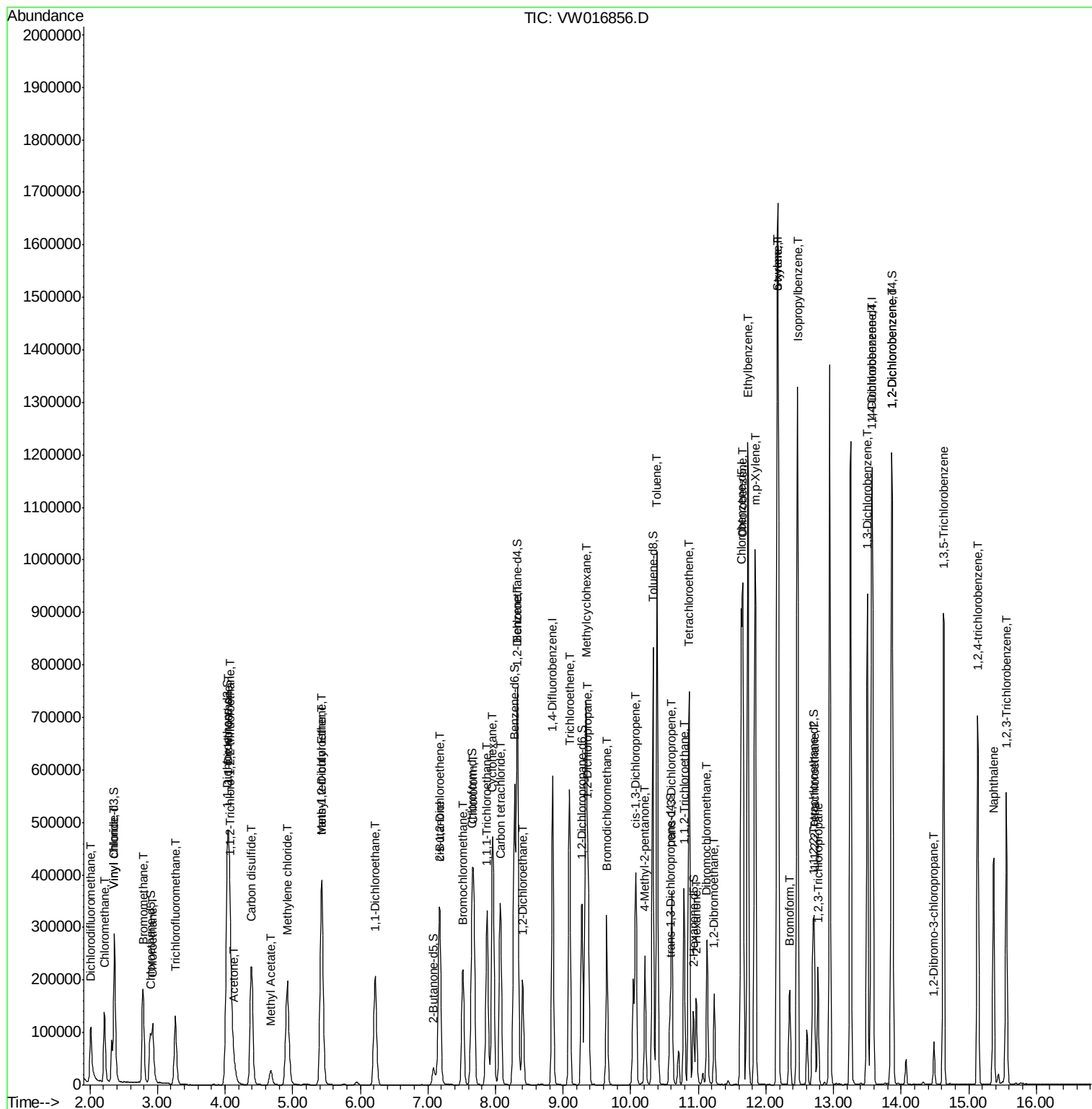
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	89458	25.451	ug/L	94
25) Chloroform	7.68	83	319131	26.160	ug/L	99
27) 1,2-Dichloroethane	8.40	62	182801	25.049	ug/L	100
30) Cyclohexane	7.96	56	269908	26.948	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	277903	27.057	ug/L	100
32) Carbon tetrachloride	8.07	117	272990	27.237	ug/L	100
34) Benzene	8.33	78	707898	27.293	ug/L	100
35) Trichloroethene	9.09	95	195841	26.694	ug/L	99
36) Methylcyclohexane	9.34	83	327478	26.547	ug/L	99
40) 1,2-Dichloropropane	9.37	63	159637	27.219	ug/L	100
41) Bromodichloromethane	9.65	83	215086	26.105	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	249110	26.641	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	144948	49.091	ug/L	99
44) Toluene	10.39	91	773999	26.900	ug/L	94
45) trans-1,3-Dichloropropene	10.61	75	204963	26.048	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	124398	26.092	ug/L	99
47) Tetrachloroethene	10.87	164	177871	26.151	ug/L	99
49) 2-Hexanone	10.97	43	95543	49.024	ug/L	99
50) Dibromochloromethane	11.13	129	151707	25.596	ug/L	98
51) 1,2-Dibromoethane	11.24	107	119151	25.431	ug/L	96
52) Chlorobenzene	11.66	112	515898	26.717	ug/L	99
53) Ethylbenzene	11.73	91	875491	27.124	ug/L	100
54) m,p-Xylene	11.84	106	341409	27.197	ug/L	99
55) o-xylene	12.16	106	321853	26.834	ug/L	99
56) Styrene	12.18	104	546709	27.623	ug/L	96
57) Isopropylbenzene	12.47	105	896222	27.288	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	130260	24.722	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	93718	24.553	ug/L	100
62) Bromoform	12.35	173	88698	25.500	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	419297	26.645	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	409734	26.035	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	363196	25.777	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	19174	22.435	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	307874	26.320	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	240292	25.010	ug/L	99
69) Naphthalene	15.37	128	390311	24.533	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	201706	24.432	ug/L	96

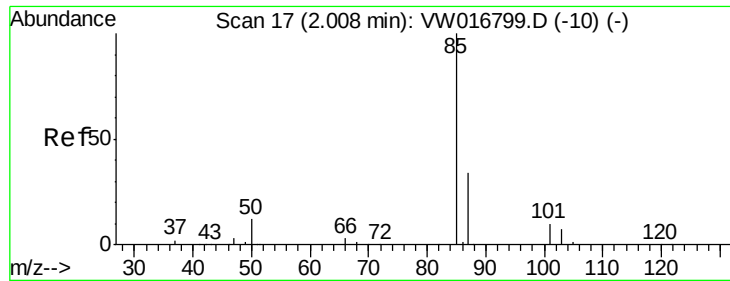
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.098 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

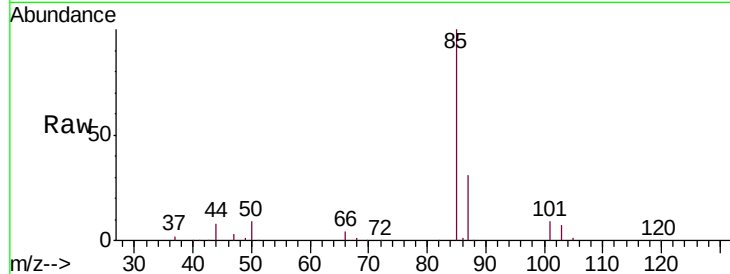
VSTD02524

Tgt Ion: 85 Resp: 156427

Ion Ratio Lower Upper

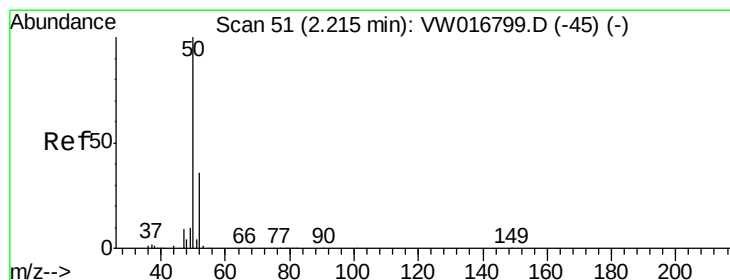
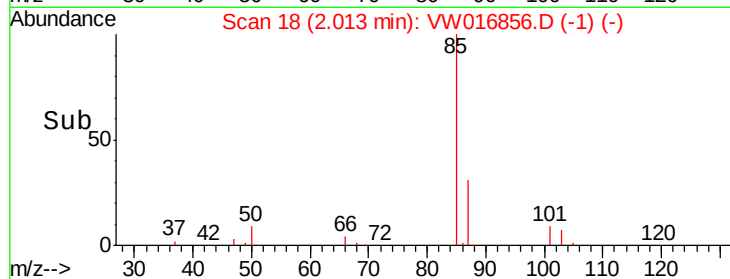
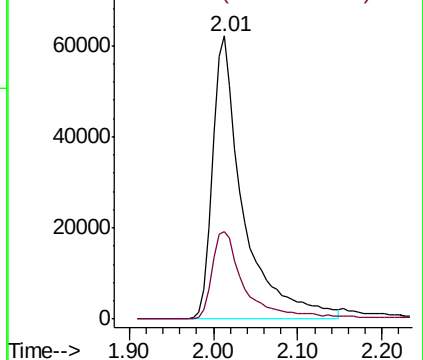
85 100

87 31.7 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.360 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016856.D

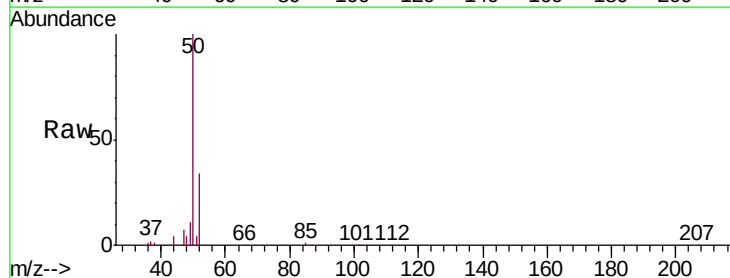
Acq: 08 Oct 2020 16:37

Tgt Ion: 50 Resp: 139391

Ion Ratio Lower Upper

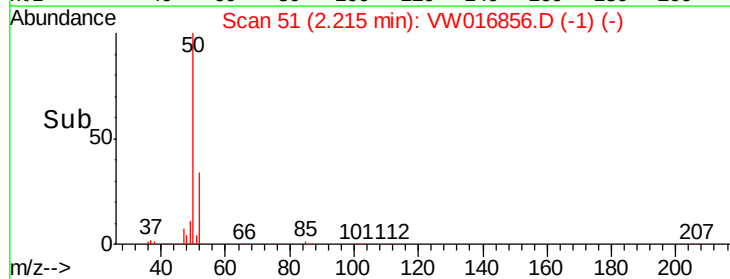
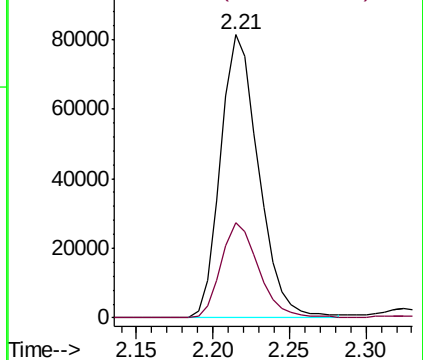
50 100

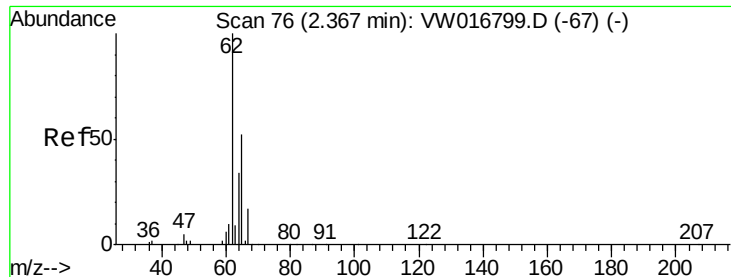
52 33.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.839 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

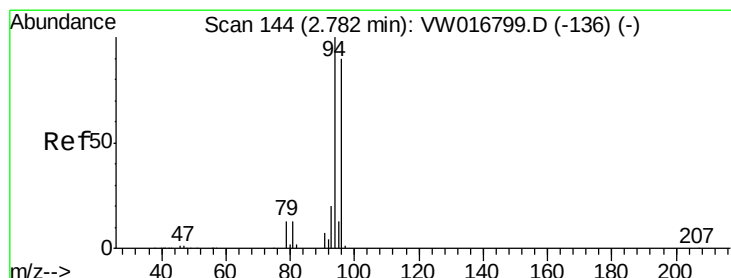
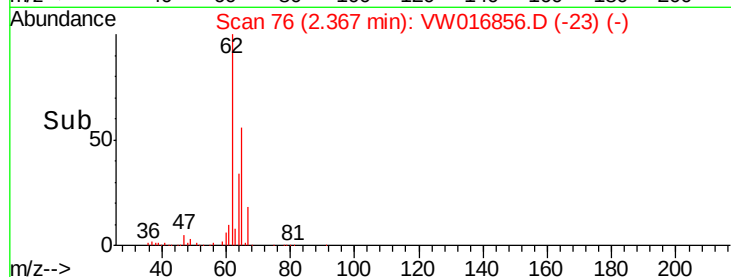
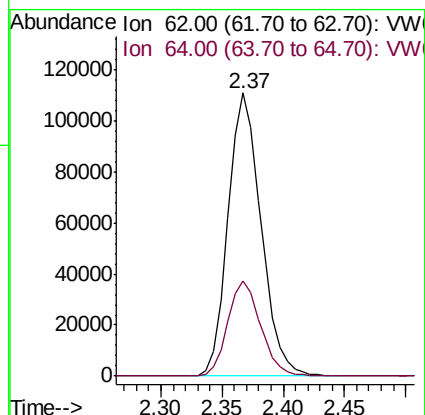
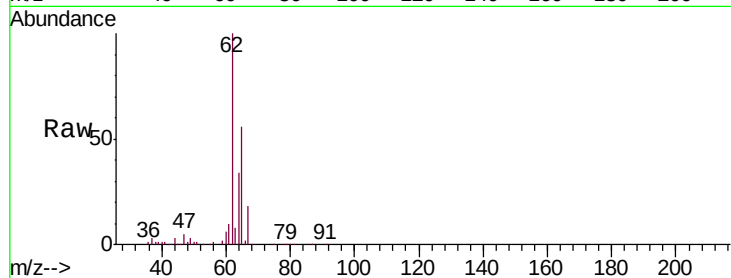
VSTD02524

Tgt Ion: 62 Resp: 206802

Ion Ratio Lower Upper

62 100

64 33.7 23.5 43.7



#6

Bromomethane

Concen: 25.856 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW016856.D

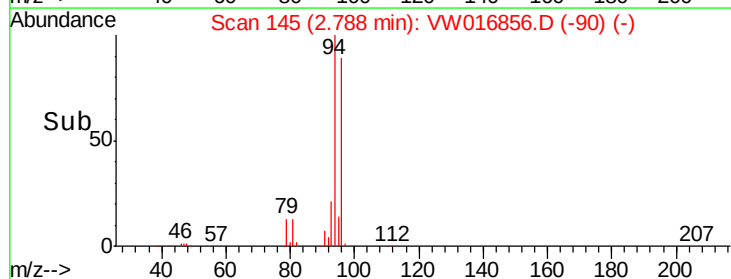
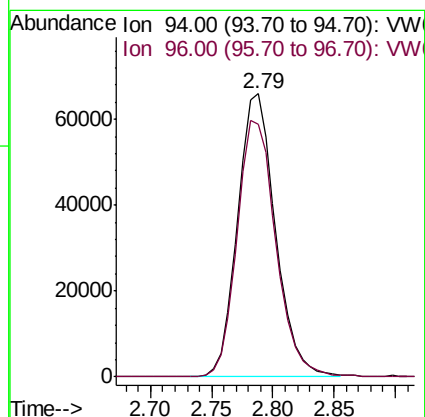
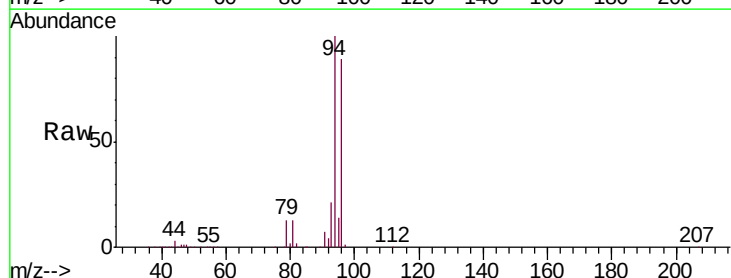
Acq: 08 Oct 2020 16:37

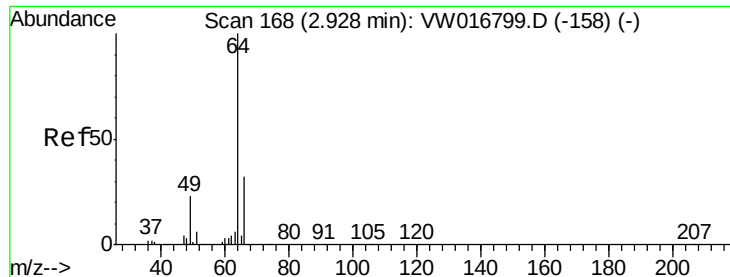
Tgt Ion: 94 Resp: 141207

Ion Ratio Lower Upper

94 100

96 93.3 9.5 180.7





#8

Chloroethane

Concen: 26.657 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

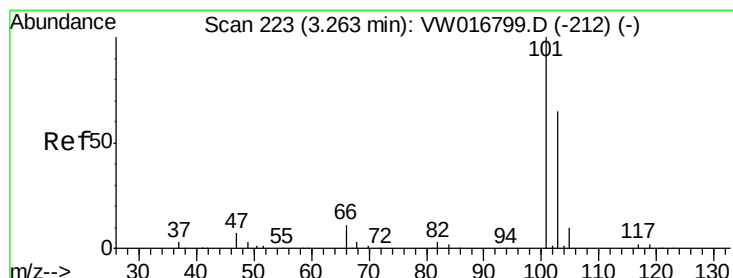
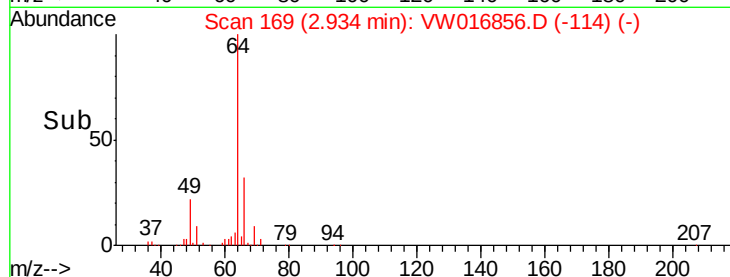
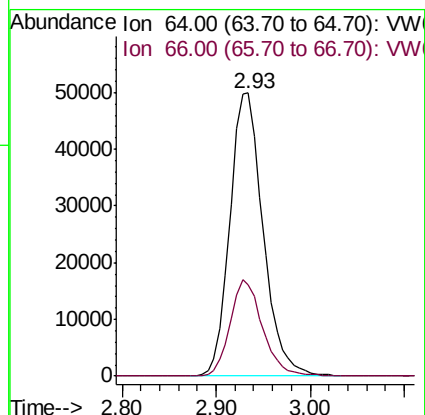
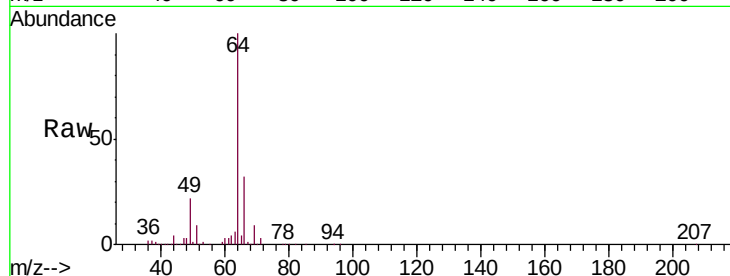
VSTD02524

Tgt Ion: 64 Resp: 122216

Ion Ratio Lower Upper

64 100

66 32.4 22.5 41.7



#9

Trichlorofluoromethane

Concen: 25.651 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW016856.D

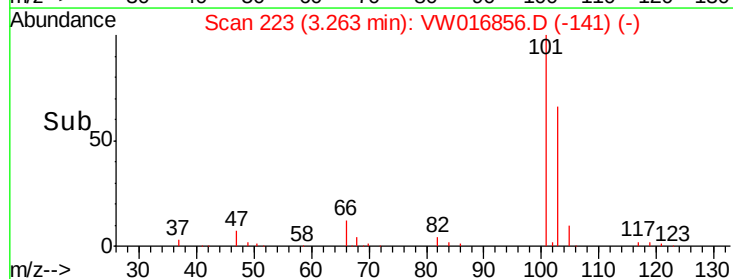
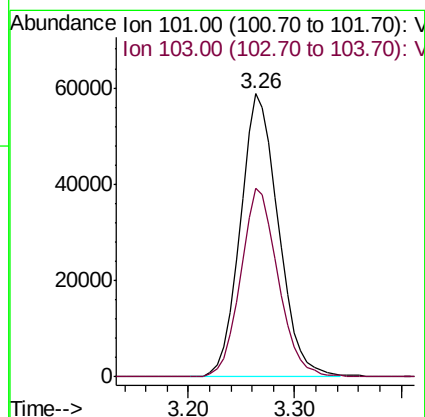
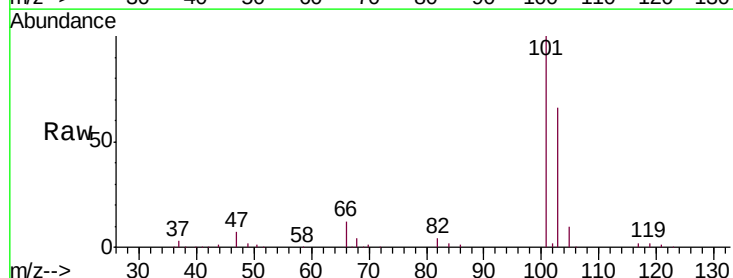
Acq: 08 Oct 2020 16:37

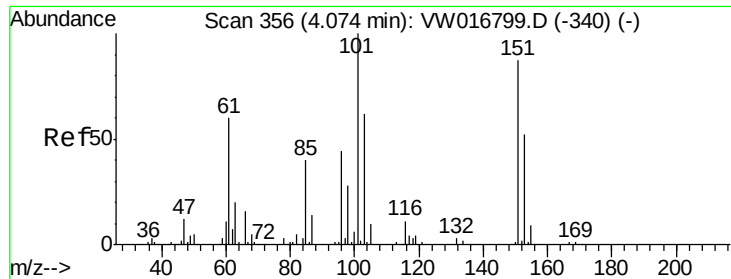
Tgt Ion: 101 Resp: 147225

Ion Ratio Lower Upper

101 100

103 65.6 45.2 84.0





#11

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

Concen: 26.669 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW016856.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

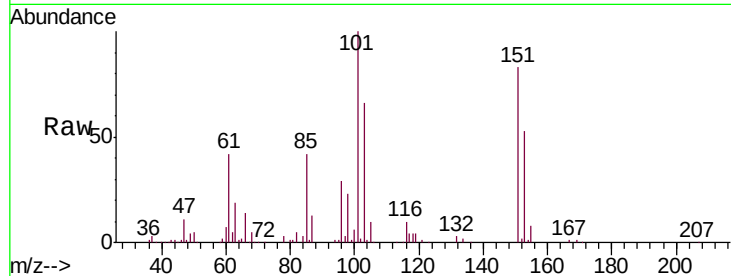
Tgt Ion:101 Resp: 195003

Ion Ratio Lower Upper

101 100

85 40.4 31.7 47.5

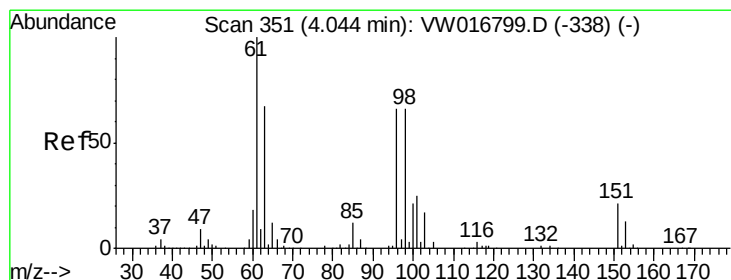
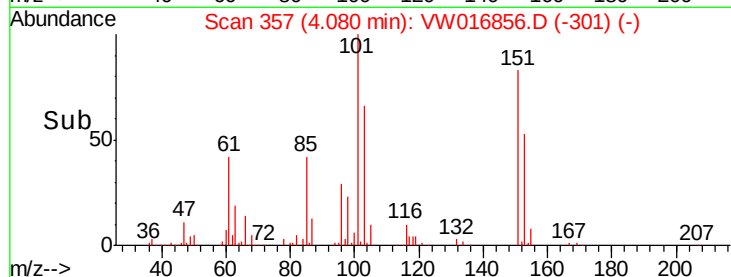
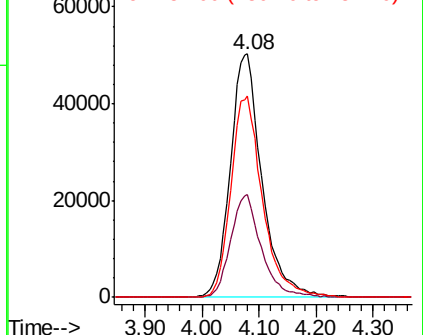
151 82.1 66.6 99.8



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: 26.573 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

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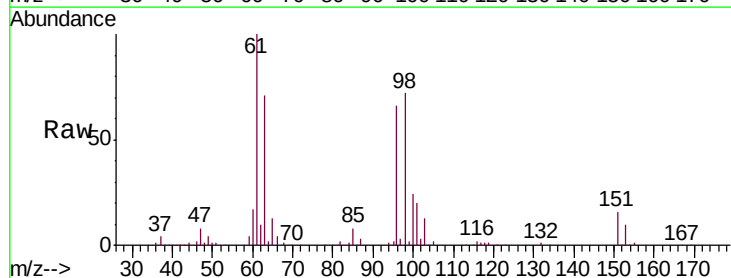
Tgt Ion: 96 Resp: 186588

Ion Ratio Lower Upper

96 100

61 150.4 105.1 195.1

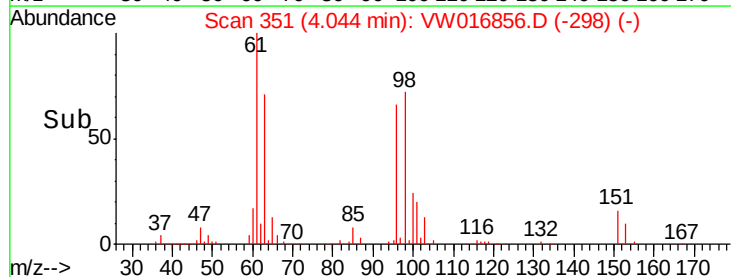
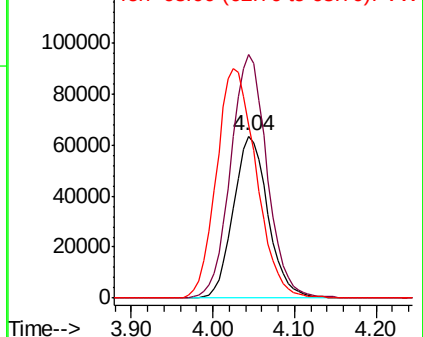
63 107.2 69.9 129.7

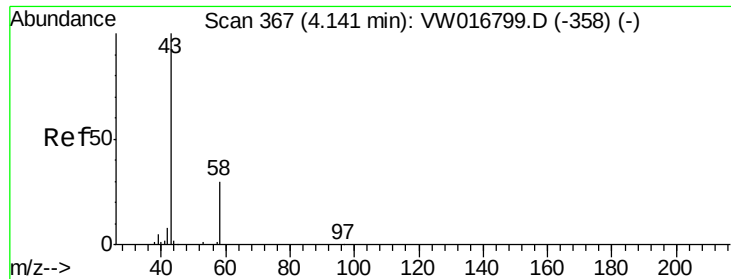


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.370 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

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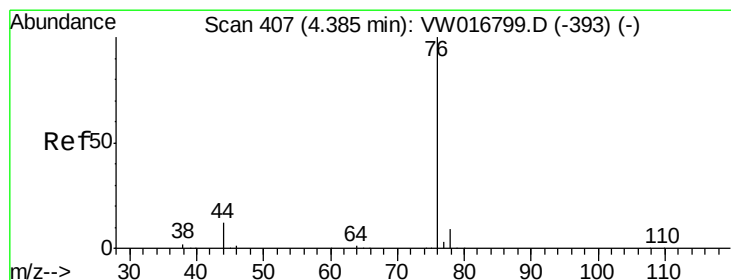
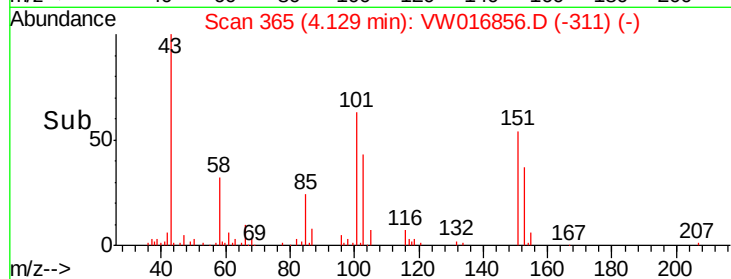
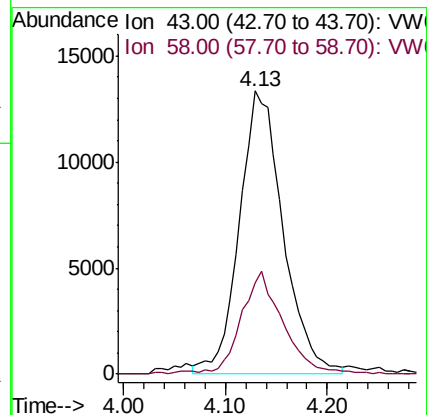
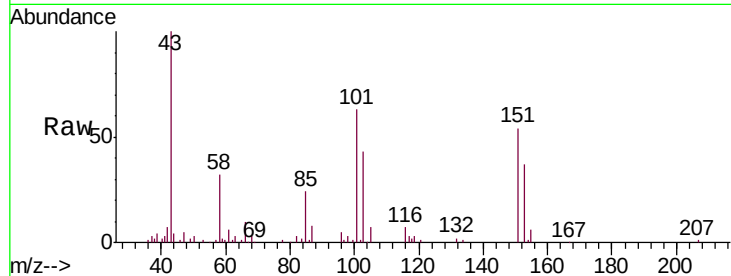
VSTD02524

Tgt Ion: 43 Resp: 39828

Ion Ratio Lower Upper

43 100

58 34.0 0.0 67.6



#14

Carbon disulfide

Concen: 26.322 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016856.D

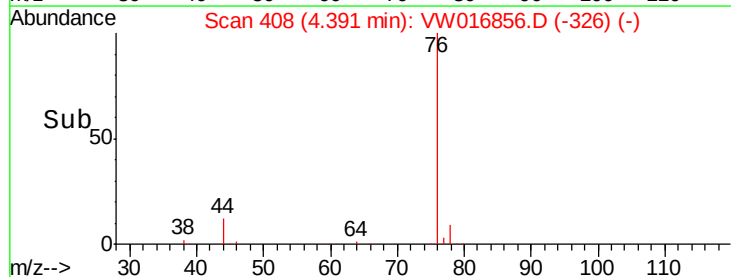
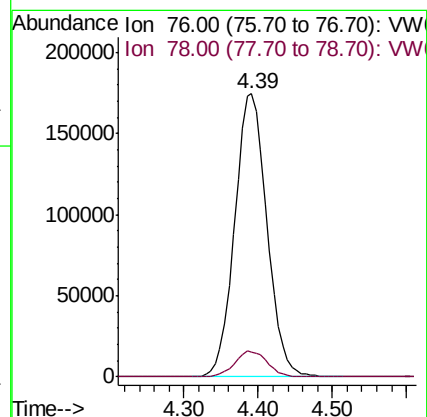
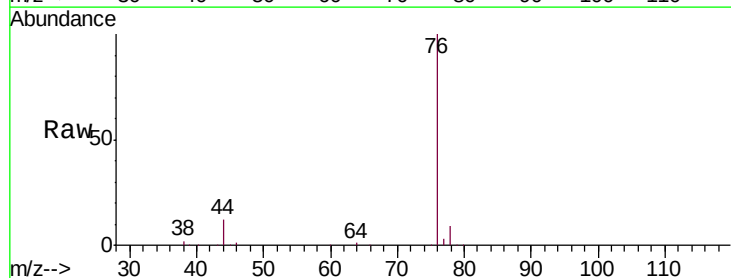
Acq: 08 Oct 2020 16:37

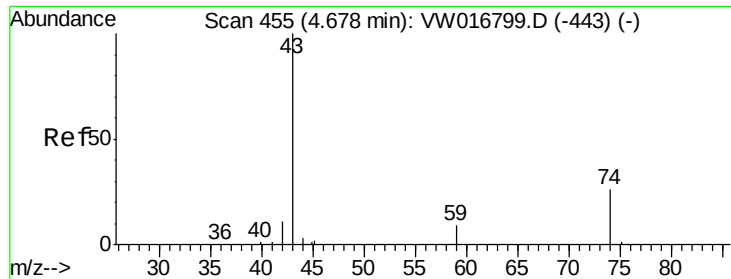
Tgt Ion: 76 Resp: 529971

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

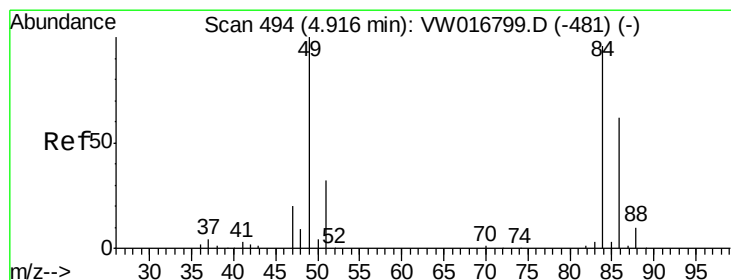
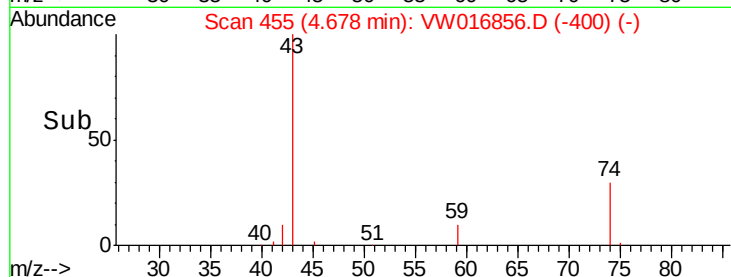
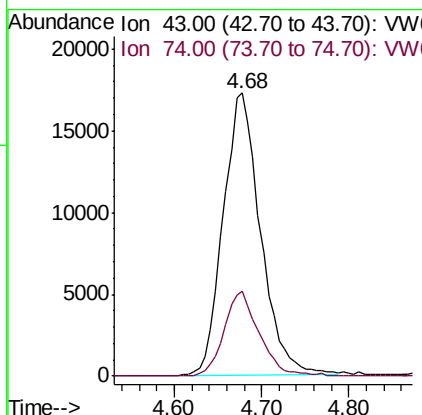
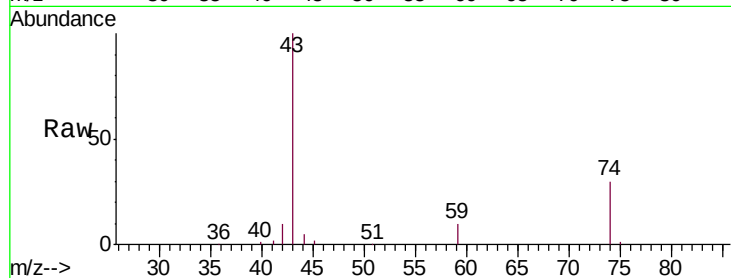




#15
Methyl Acetate
Concen: 23.408 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

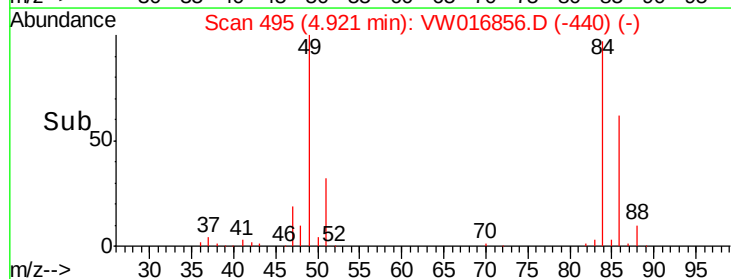
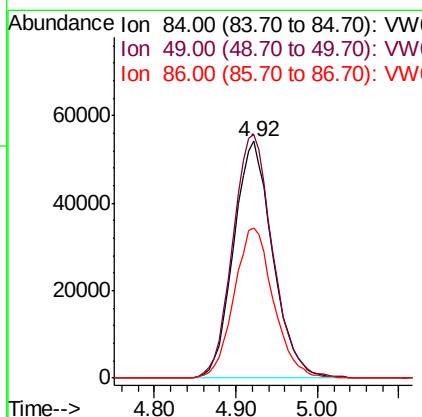
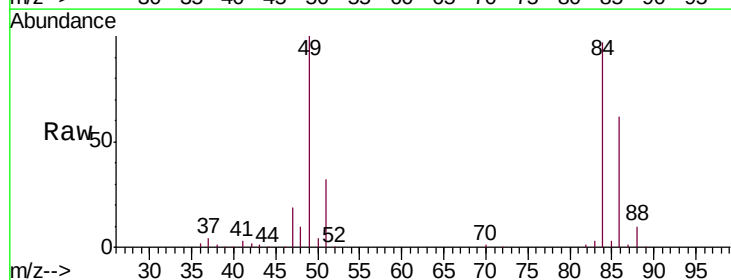
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

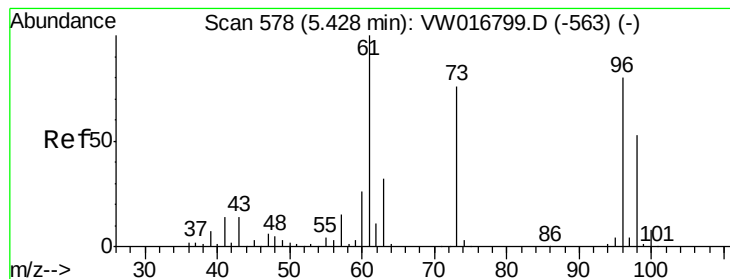
Tgt Ion: 43 Resp: 51361
Ion Ratio Lower Upper
43 100
74 28.2 22.7 34.1



#16
Methylene chloride
Concen: 24.008 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

Tgt Ion: 84 Resp: 179941
Ion Ratio Lower Upper
84 100
49 102.7 73.1 135.8
86 63.4 46.0 85.4





#17

Methyl tert-butyl Ether

Concen: 25.834 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

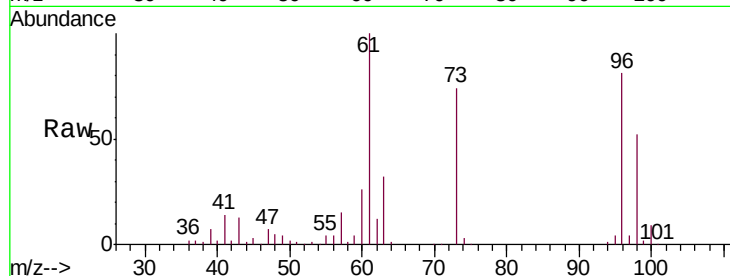
Tgt Ion: 73 Resp: 202994

Ion Ratio Lower Upper

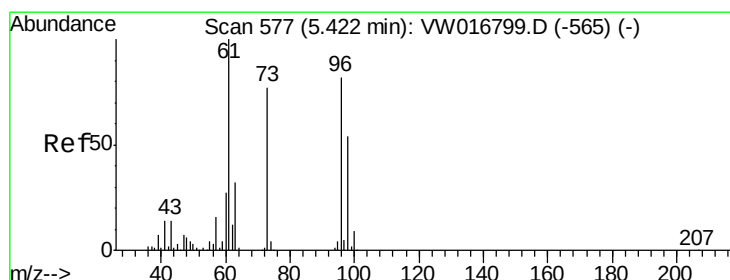
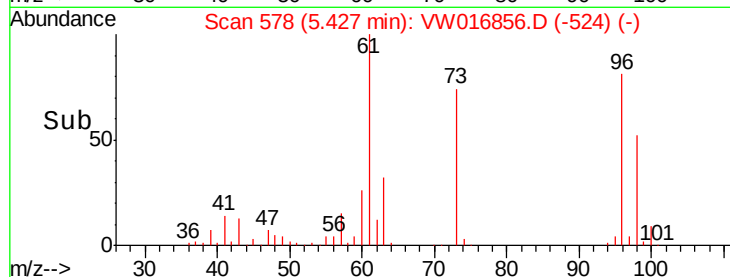
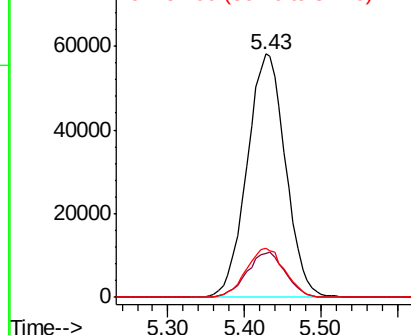
73 100

43 18.7 15.0 22.4

57 20.3 16.4 24.6



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



#18

trans-1,2-Dichloroethene

Concen: 26.250 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

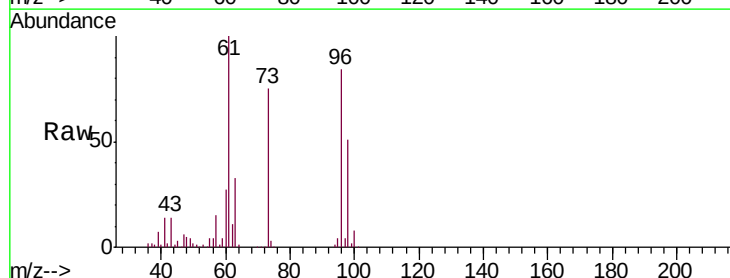
Tgt Ion: 96 Resp: 192559

Ion Ratio Lower Upper

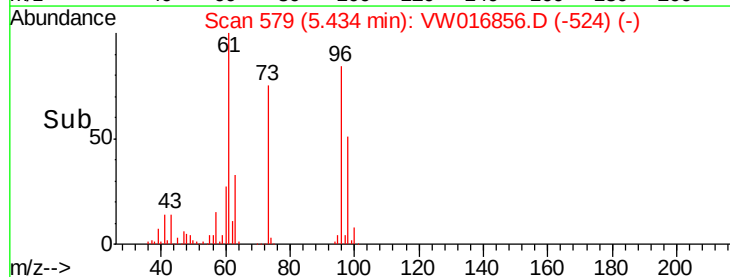
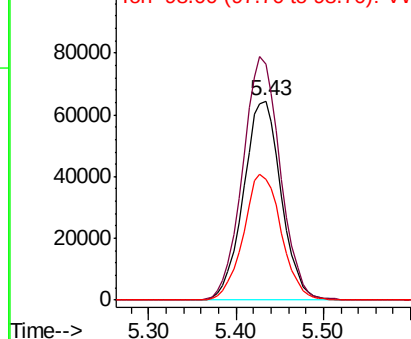
96 100

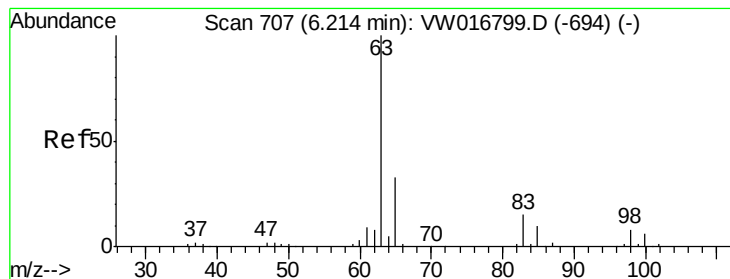
61 118.7 82.5 153.3

98 60.6 43.3 80.5



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





#19

1,1-Dichloroethane

Concen: 26.231 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

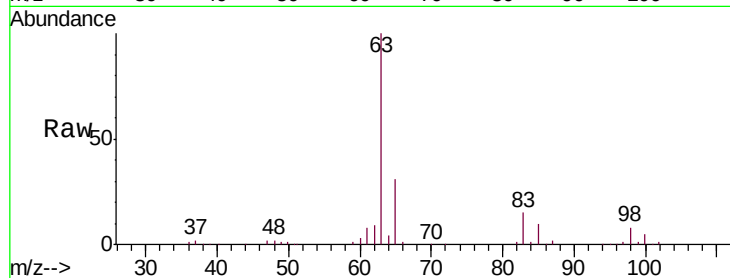
Tgt Ion: 63 Resp: 296320

Ion Ratio Lower Upper

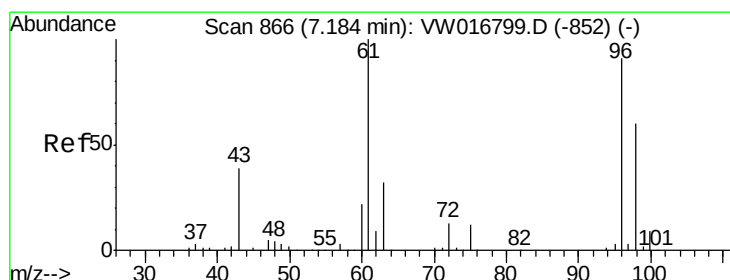
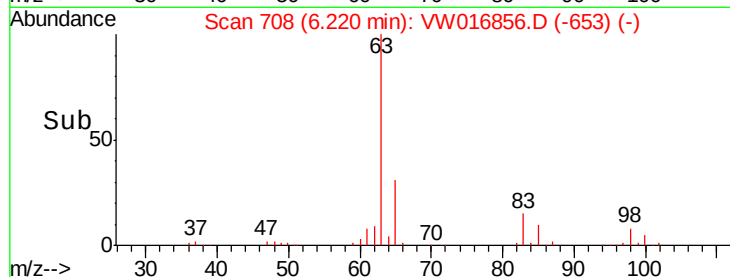
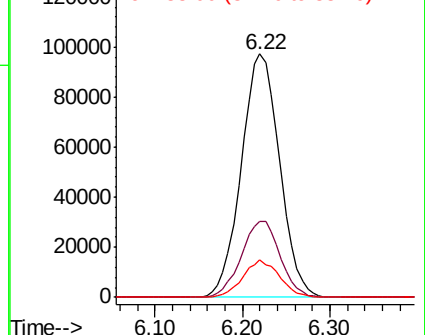
63 100

65 31.4 22.7 42.1

83 15.4 9.9 18.5



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: 40.835 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016856.D

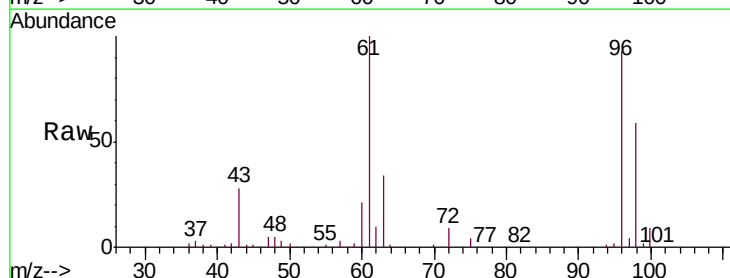
Acq: 08 Oct 2020 16:37

Tgt Ion: 43 Resp: 62952

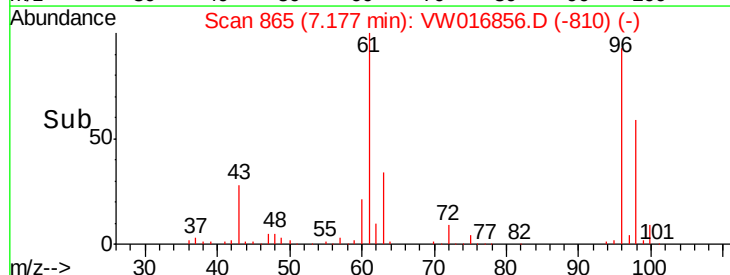
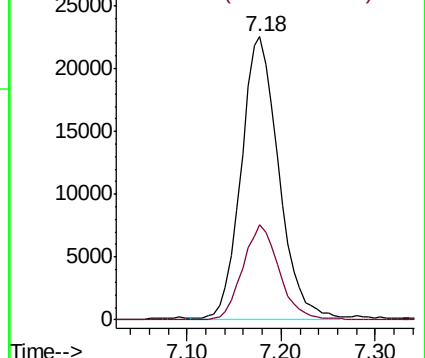
Ion Ratio Lower Upper

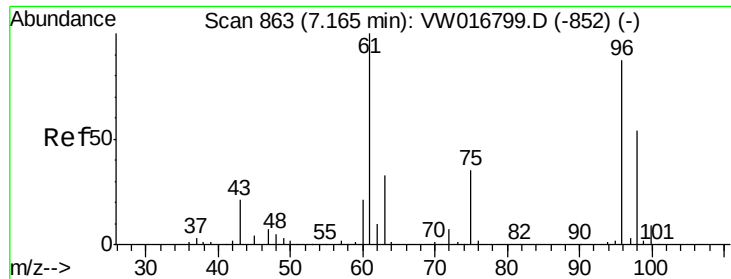
43 100

72 32.1 16.2 48.5



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



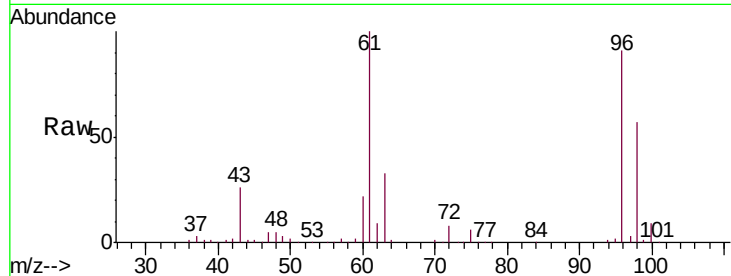


#22

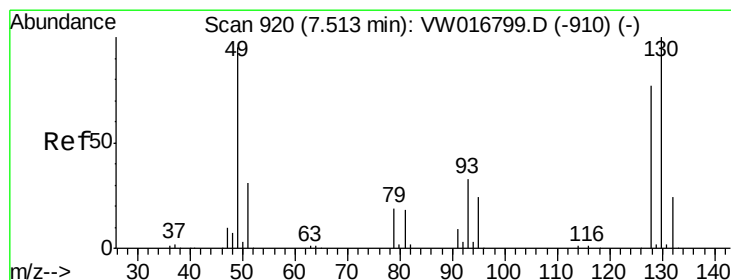
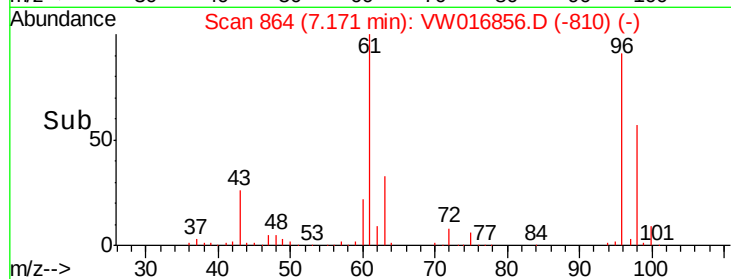
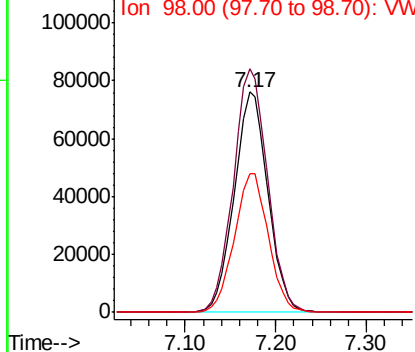
cis-1,2-Dichloroethene
 Concen: 26.229 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02524

Tgt Ion: 96 Resp: 196325
 Ion Ratio Lower Upper
 96 100
 61 110.5 76.0 141.2
 98 62.9 42.7 79.3



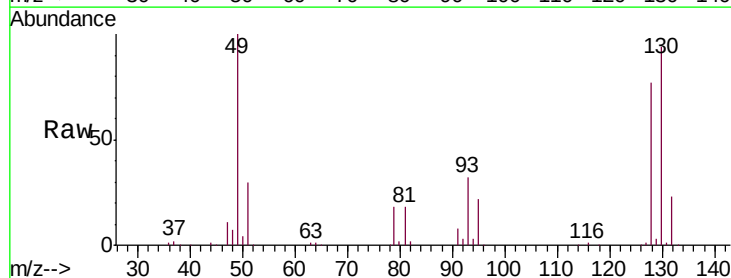
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



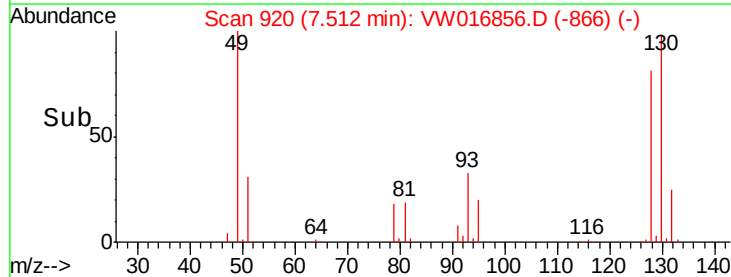
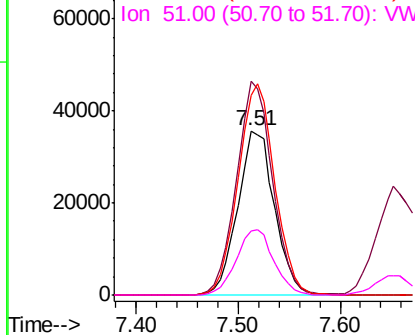
#23

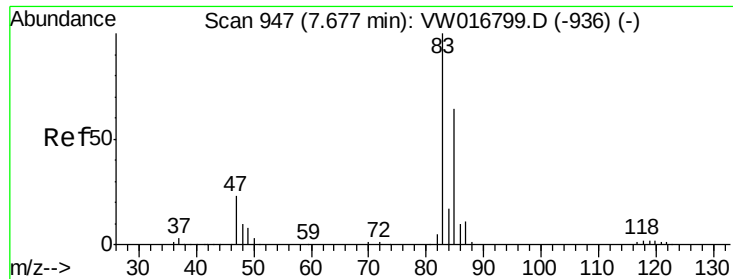
Bromochloromethane
 Concen: 25.451 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

Tgt Ion: 128 Resp: 89458
 Ion Ratio Lower Upper
 128 100
 49 129.9 88.5 164.3
 130 121.8 92.9 172.5
 51 39.1 32.6 48.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

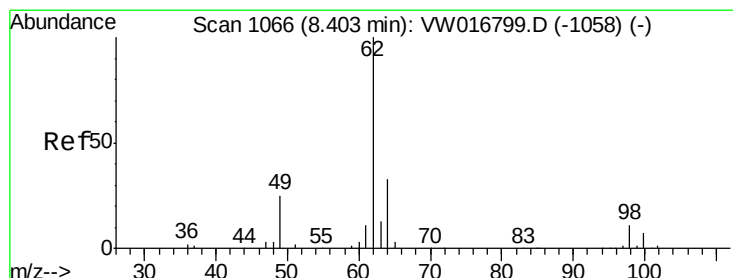
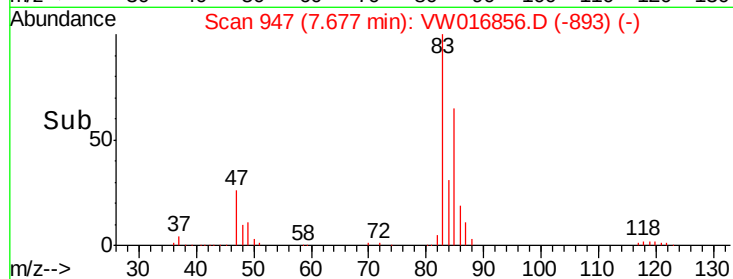
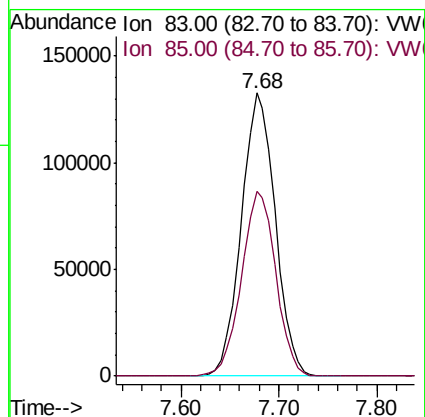
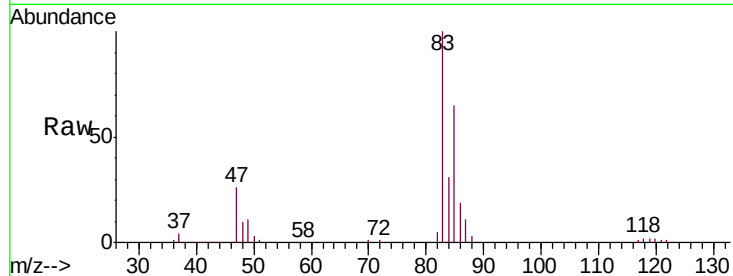




#25
Chloroform
Concen: 26.160 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

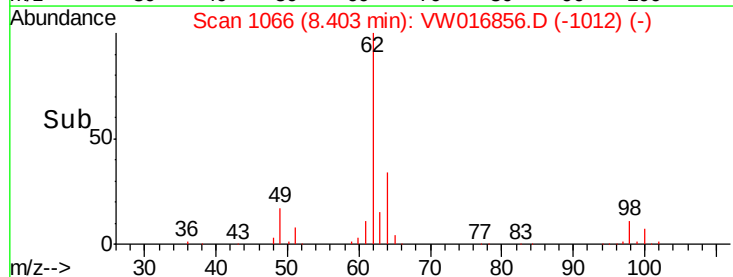
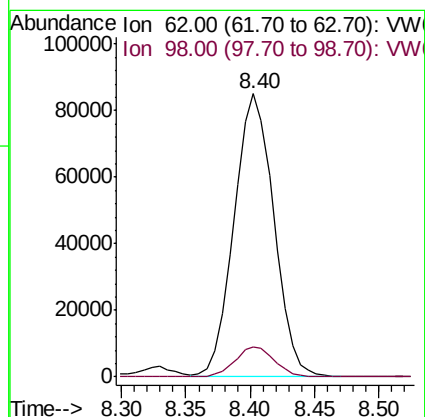
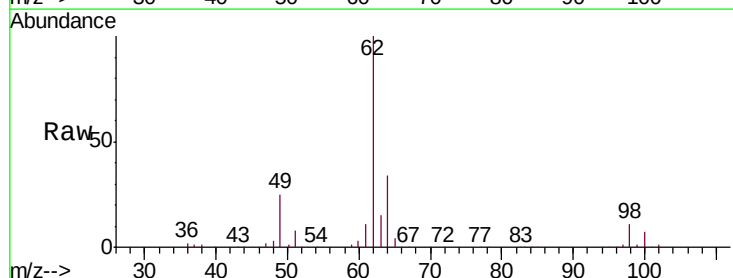
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

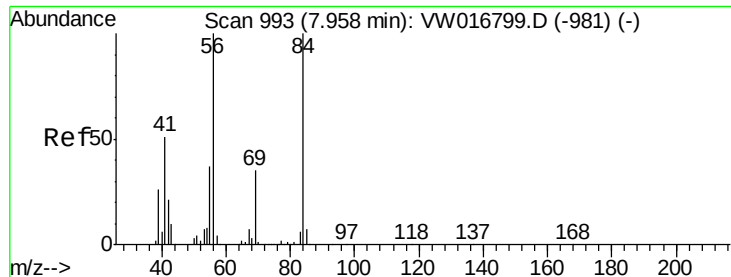
Tgt Ion: 83 Resp: 319131
Ion Ratio Lower Upper
83 100
85 66.2 46.9 87.1



#27
1,2-Dichloroethane
Concen: 25.049 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

Tgt Ion: 62 Resp: 182801
Ion Ratio Lower Upper
62 100
98 10.7 8.6 12.8

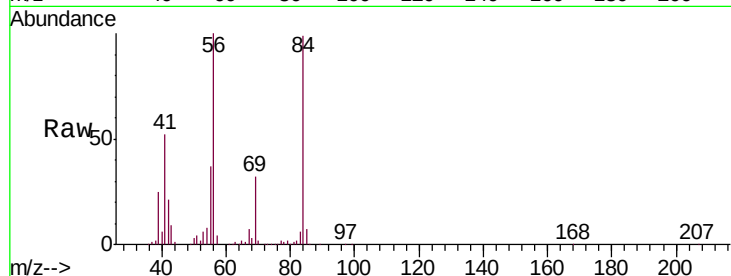




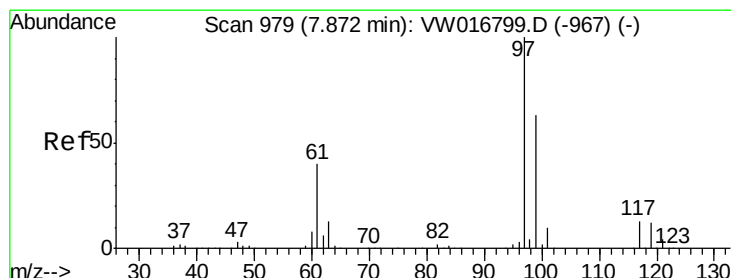
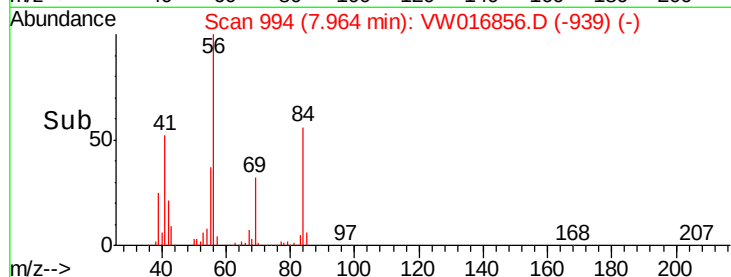
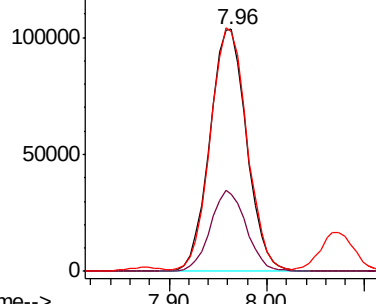
#30
Cyclohexane
Concen: 26.948 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

Tgt Ion: 56 Resp: 269908
Ion Ratio Lower Upper
56 100
69 32.7 26.1 39.1
84 100.5 79.3 118.9

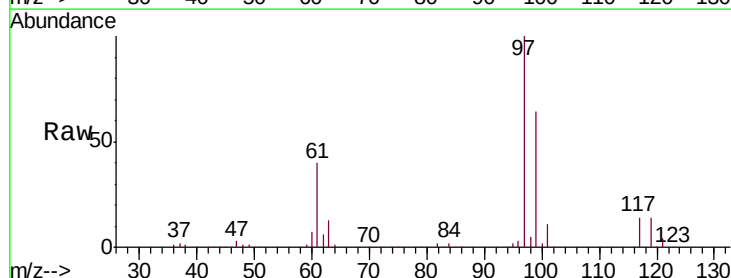


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

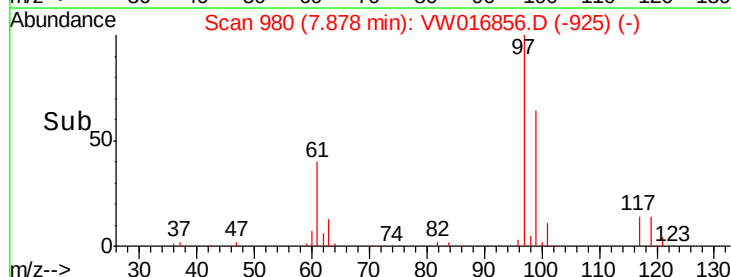
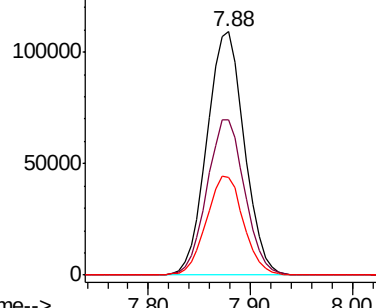


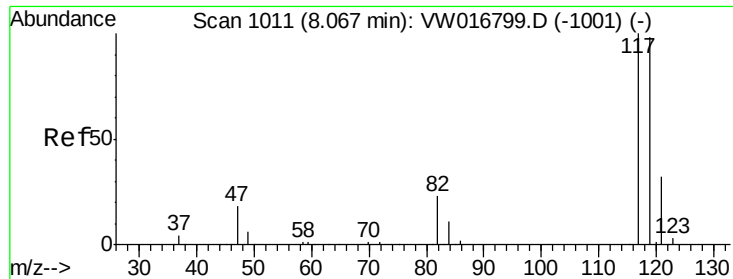
#31
1,1,1-Trichloroethane
Concen: 27.057 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

Tgt Ion: 97 Resp: 277903
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 40.5 32.5 48.7



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

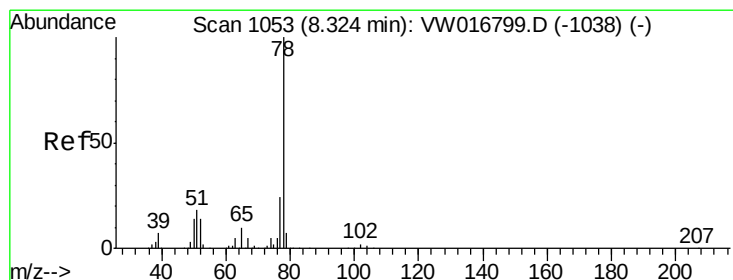
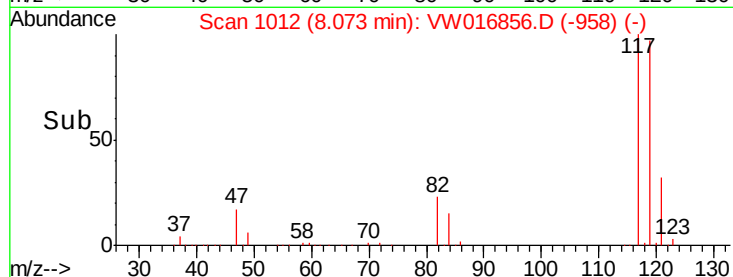
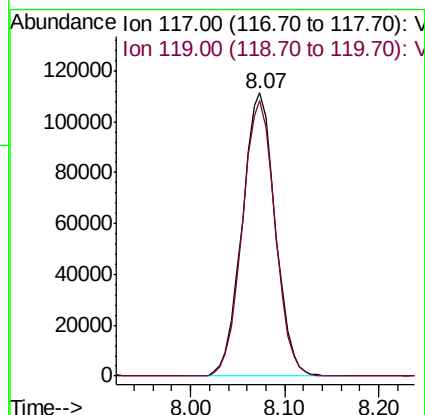
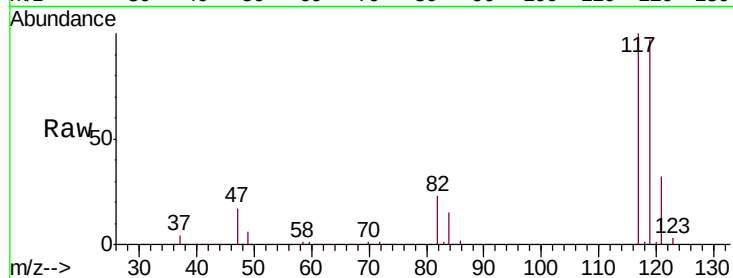




#32
Carbon tetrachloride
Concen: 27.237 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

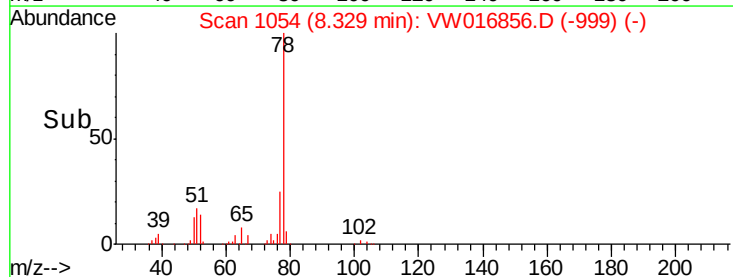
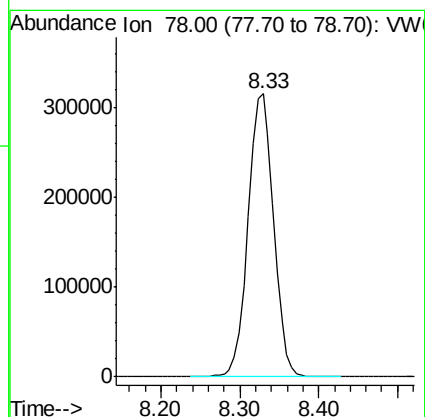
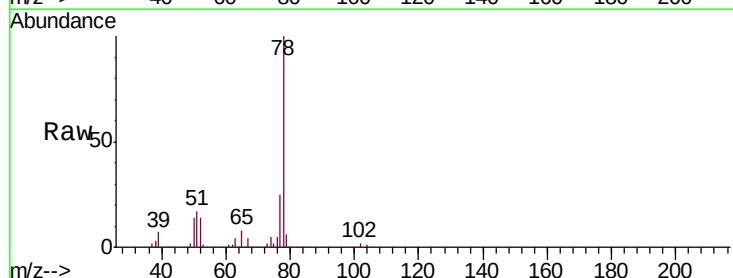
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

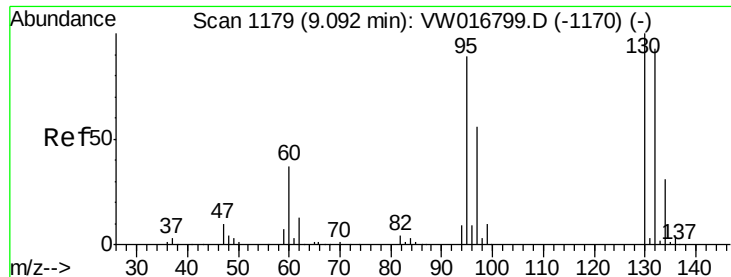
Tgt Ion:117 Resp: 272990
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0



#34
Benzene
Concen: 27.293 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

Tgt Ion: 78 Resp: 707898

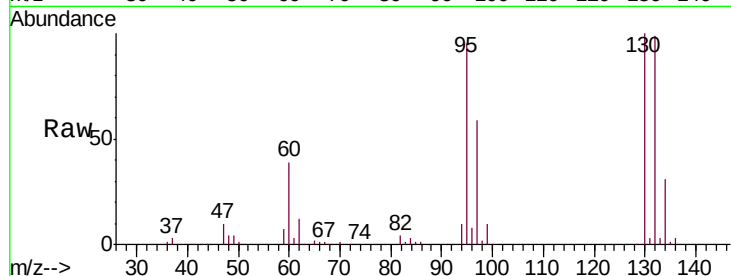




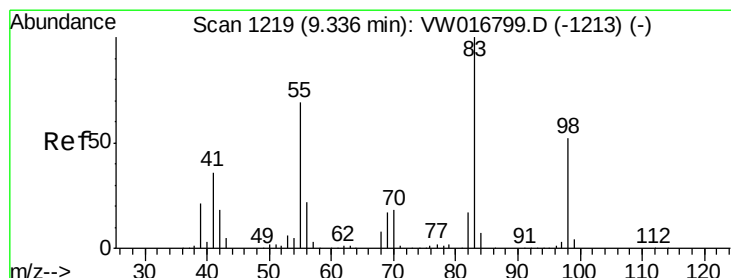
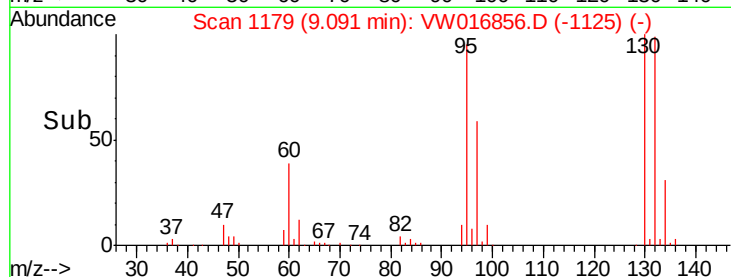
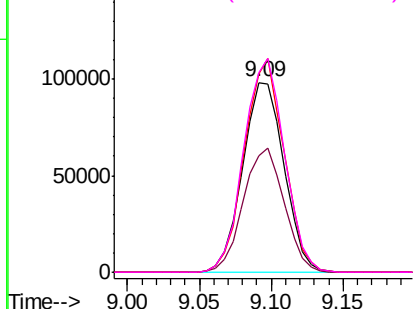
#35
 Trichloroethene
 Concen: 26.694 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tgt Ion: 95 Resp: 195841
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.7 83.1
 132 107.8 73.8 137.2
 130 110.8 77.1 143.3

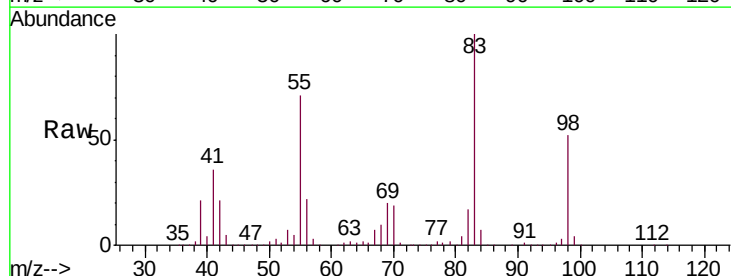


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

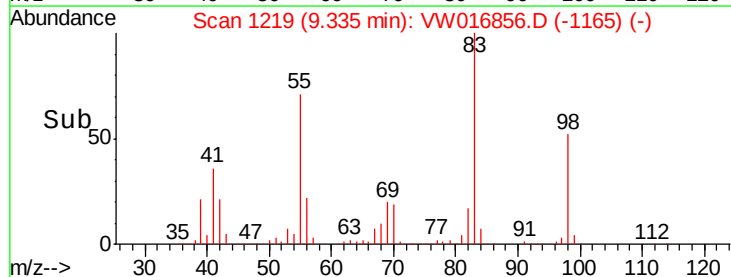
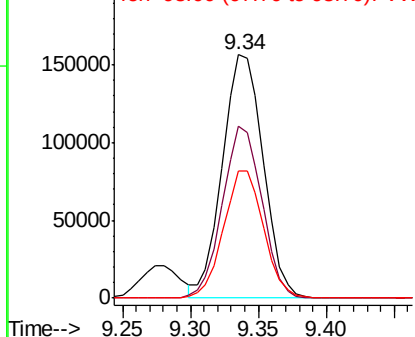


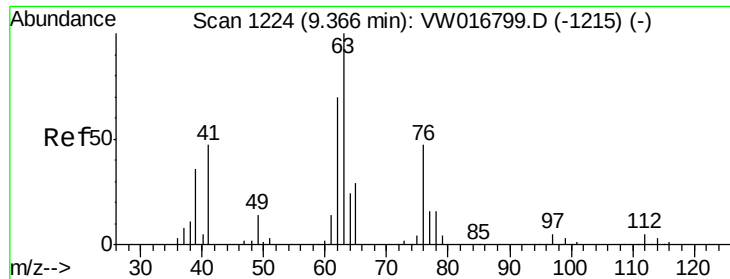
#36
 Methylcyclohexane
 Concen: 26.547 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

Tgt Ion: 83 Resp: 327478
 Ion Ratio Lower Upper
 83 100
 55 68.2 54.2 81.4
 98 51.1 41.4 62.2



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: 27.219 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

Instrument :

MSVOA_W

ClientSampled :

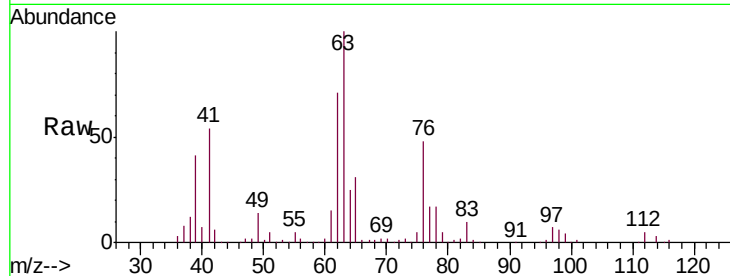
VSTD02524

Tgt Ion: 63 Resp: 159637

Ion Ratio Lower Upper

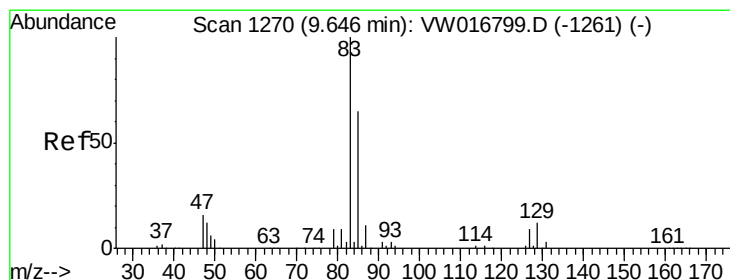
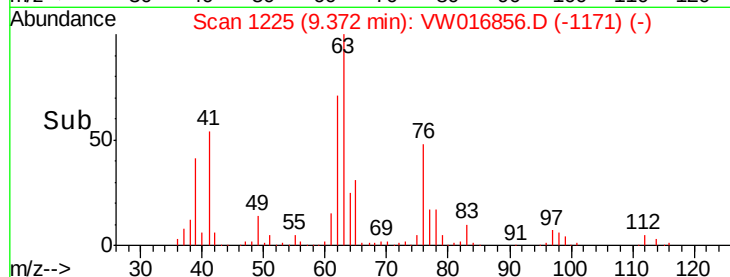
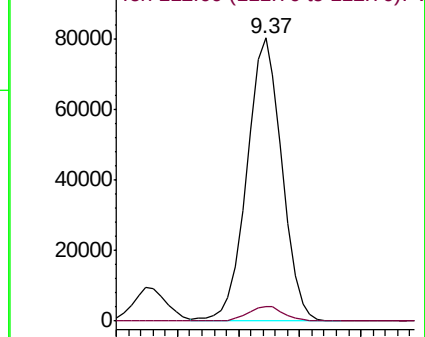
63 100

112 5.4 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.105 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

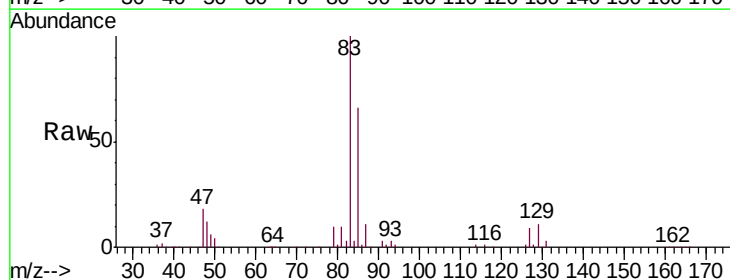
Tgt Ion: 83 Resp: 215086

Ion Ratio Lower Upper

83 100

85 65.6 46.2 85.8

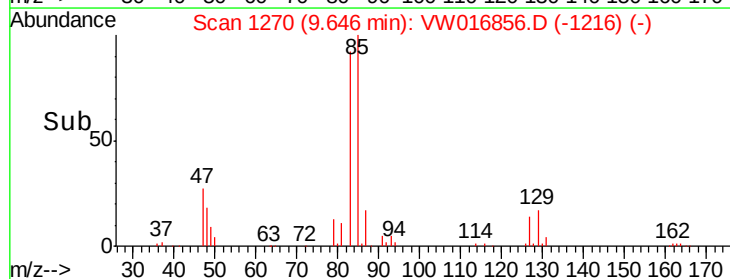
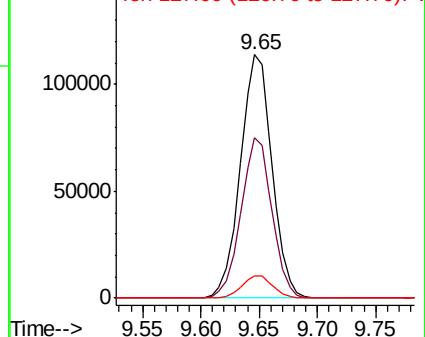
127 9.0 7.5 11.3

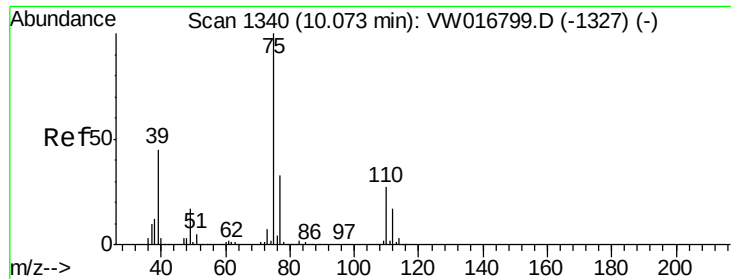


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

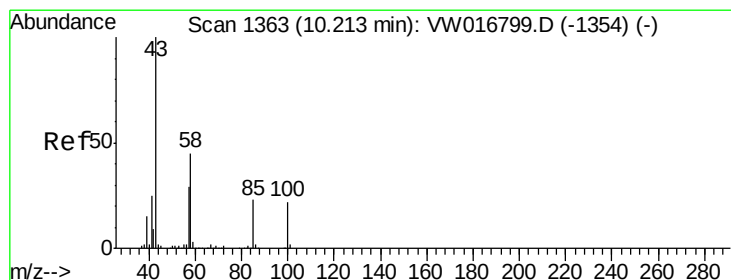
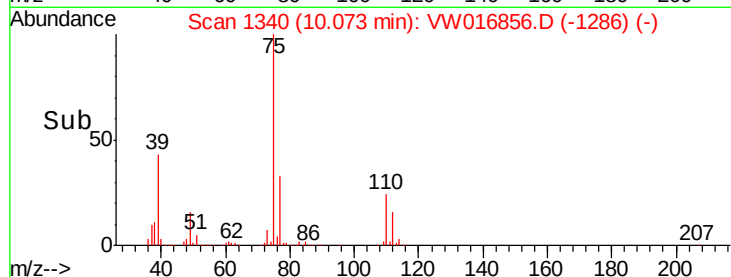
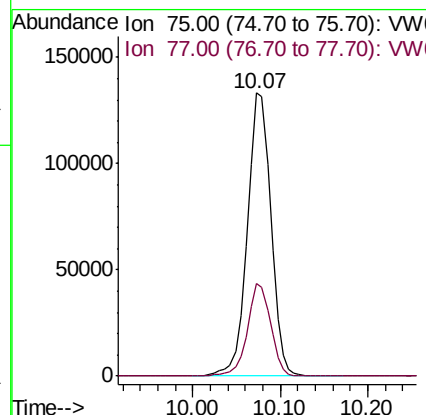
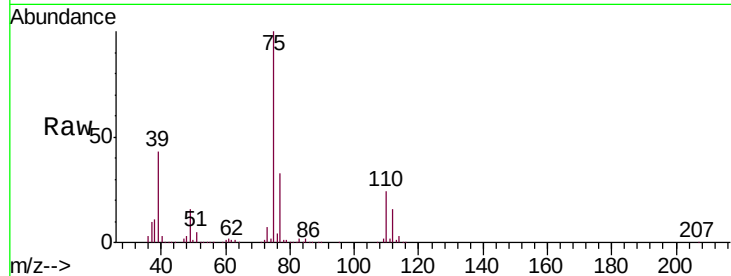




#42
 cis-1,3-Dichloropropene
 Concen: 26.641 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

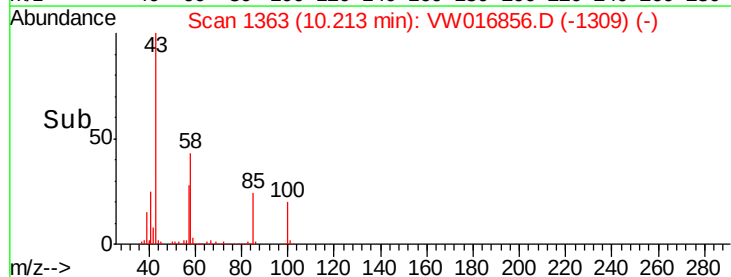
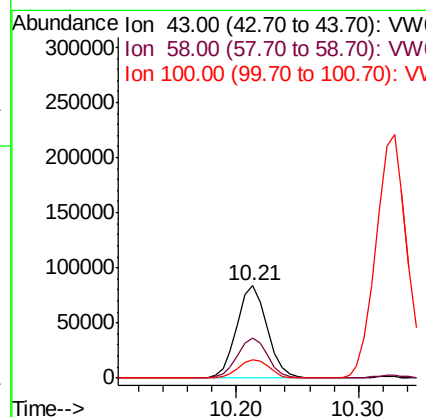
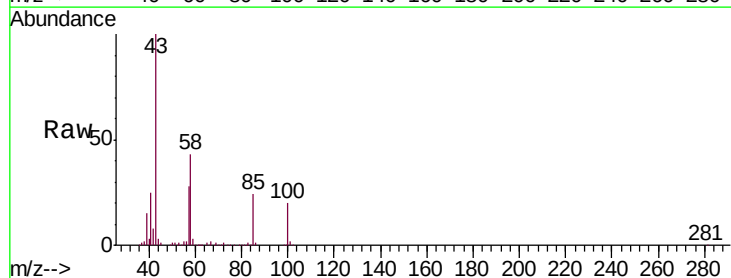
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02524

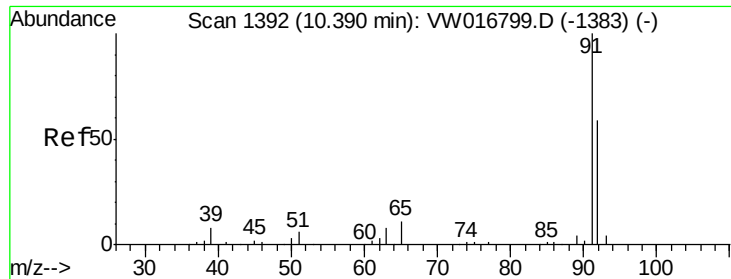
Tgt Ion: 75 Resp: 249110
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 49.091 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

Tgt Ion: 43 Resp: 144948
 Ion Ratio Lower Upper
 43 100
 58 43.3 34.7 52.1
 100 20.5 16.9 25.3





#44

Toluene

Concen: 26.900 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

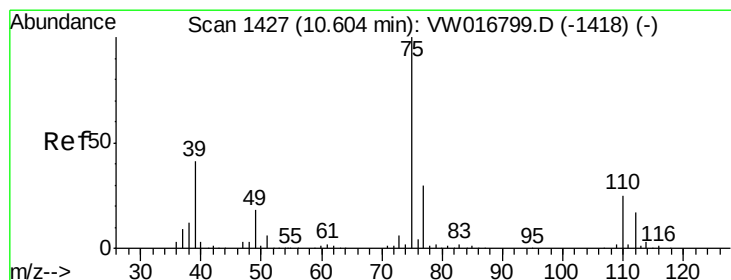
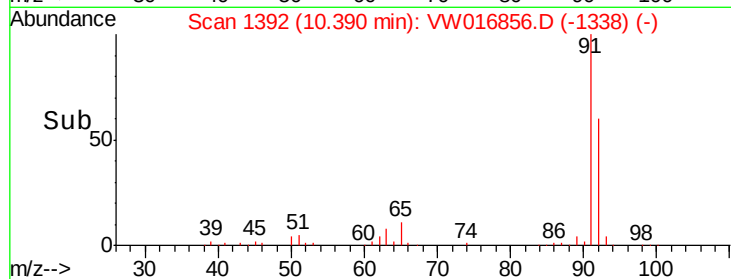
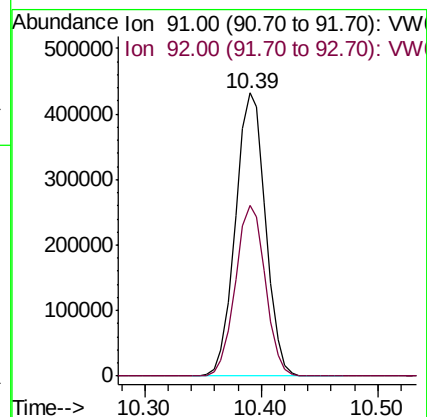
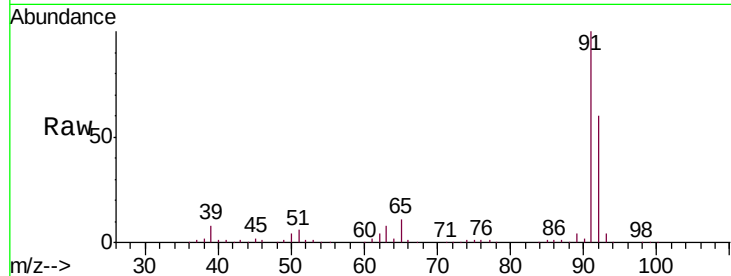
VSTD02524

Tgt Ion: 91 Resp: 773999

Ion Ratio Lower Upper

91 100

92 60.3 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 26.048 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016856.D

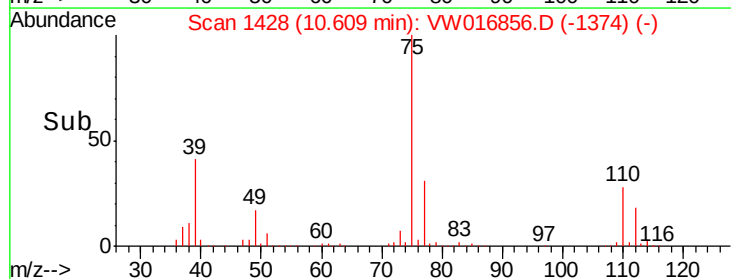
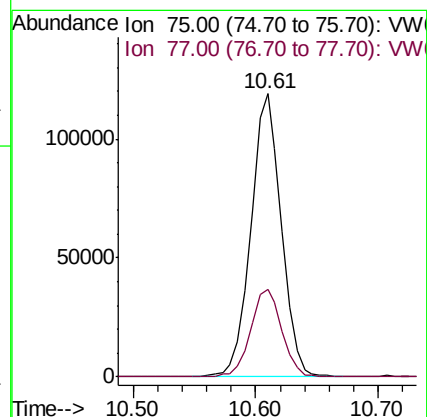
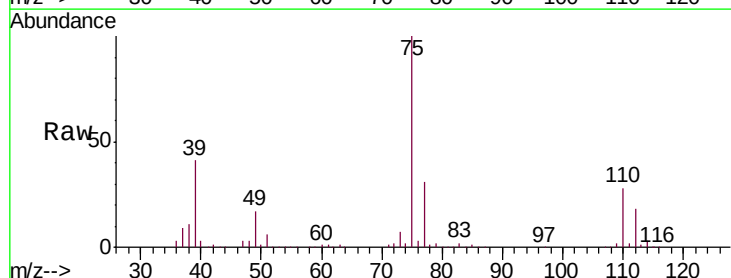
Acq: 08 Oct 2020 16:37

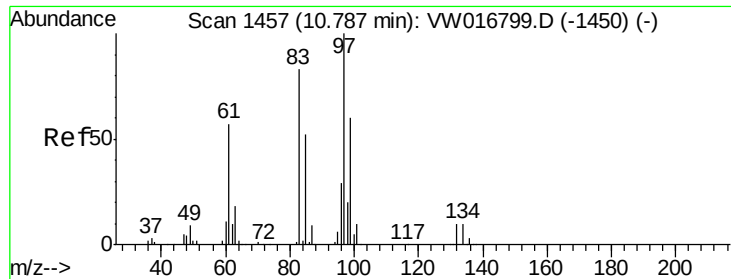
Tgt Ion: 75 Resp: 204963

Ion Ratio Lower Upper

75 100

77 31.0 22.2 41.2

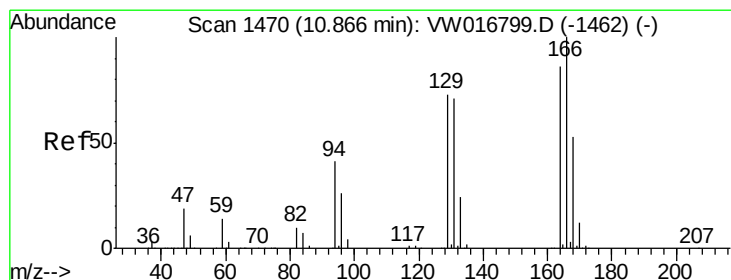
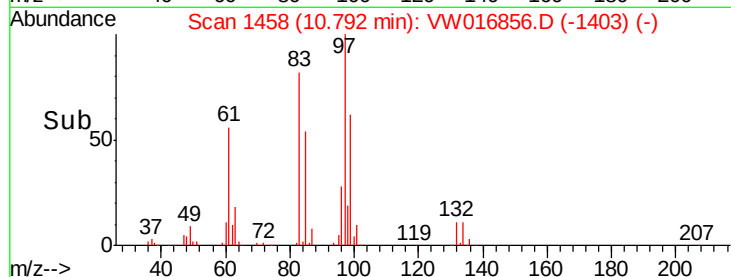
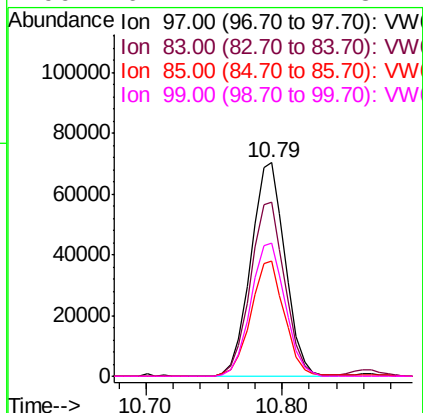
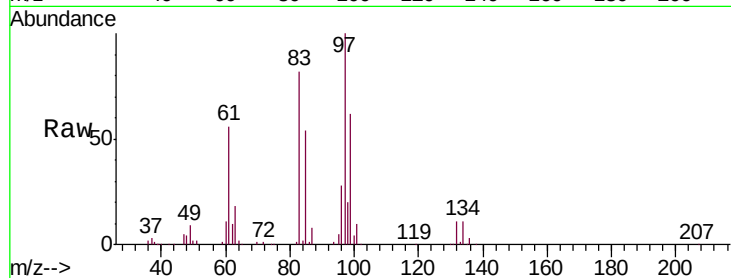




#46
 1,1,2-Trichloroethane
 Concen: 26.092 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

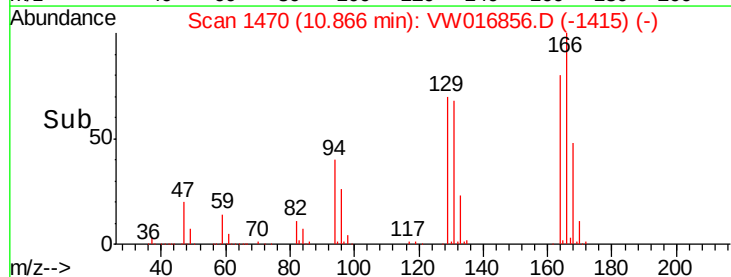
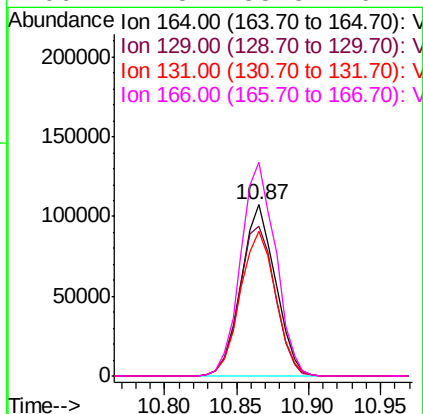
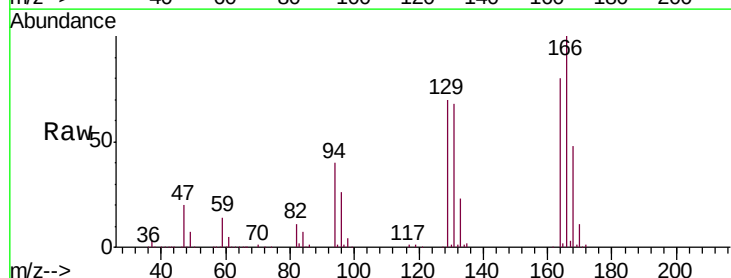
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

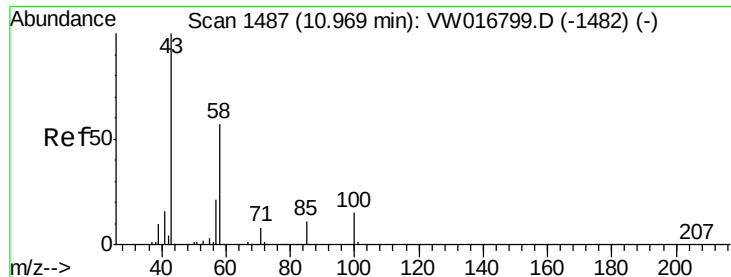
Tgt Ion:	97	Resp:	124398
Ion	Ratio	Lower	Upper
97	100		
83	81.5	56.8	105.4
85	54.1	37.0	68.6
99	62.4	44.2	82.2



#47
 Tetrachloroethene
 Concen: 26.151 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

Tgt Ion:	164	Resp:	177871
Ion	Ratio	Lower	Upper
164	100		
129	87.7	61.7	114.7
131	84.8	59.7	110.9
166	124.8	88.3	164.1

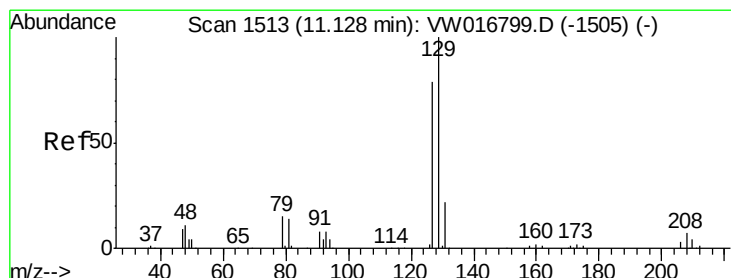
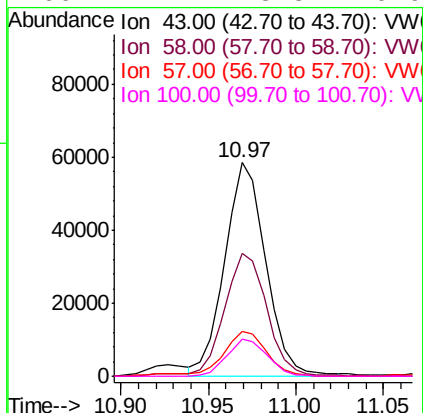
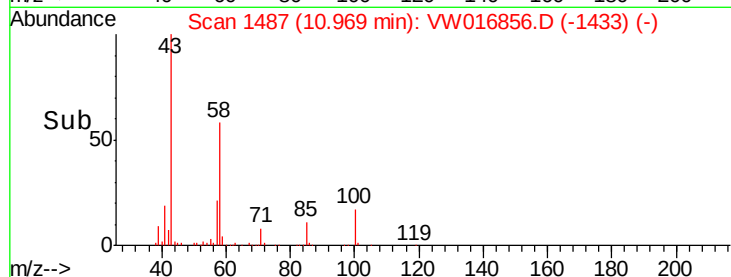
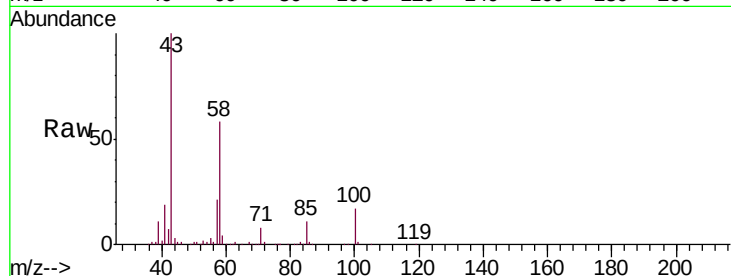




#49
2-Hexanone
Concen: 49.024 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

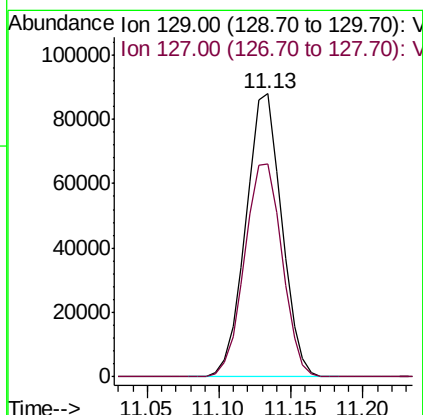
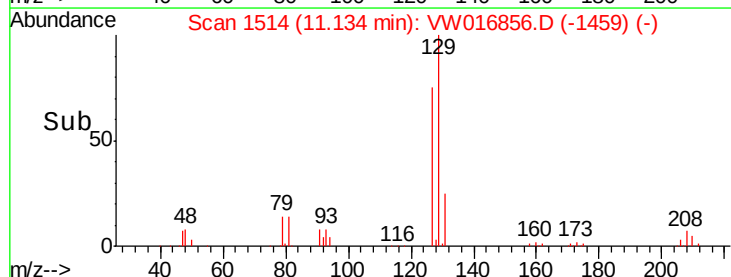
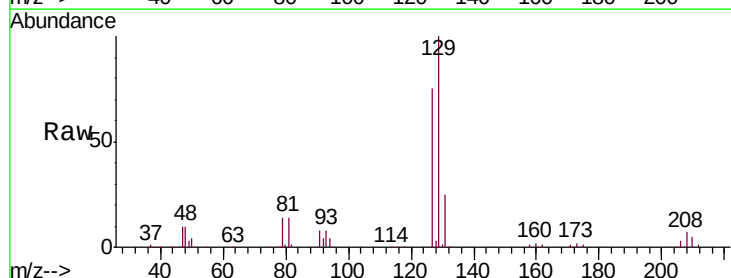
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

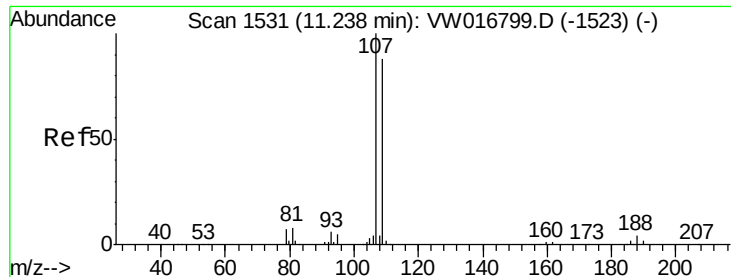
Tgt Ion: 43 Resp: 95543
Ion Ratio Lower Upper
43 100
58 58.7 47.1 70.7
57 21.3 16.2 24.4
100 17.2 13.3 19.9



#50
Dibromochloromethane
Concen: 25.596 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

Tgt Ion: 129 Resp: 151707
Ion Ratio Lower Upper
129 100
127 75.1 54.0 100.4

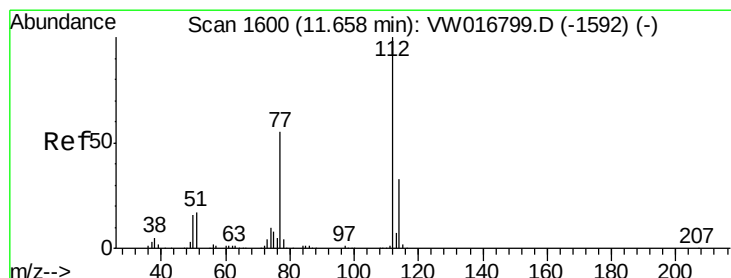
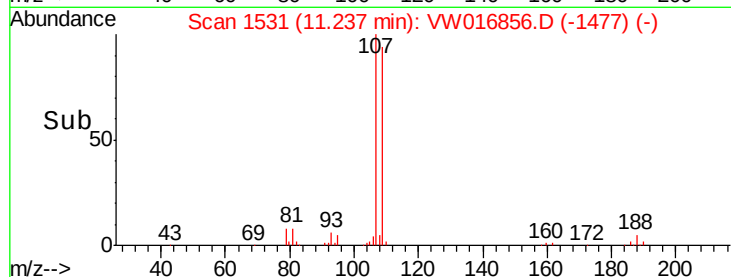
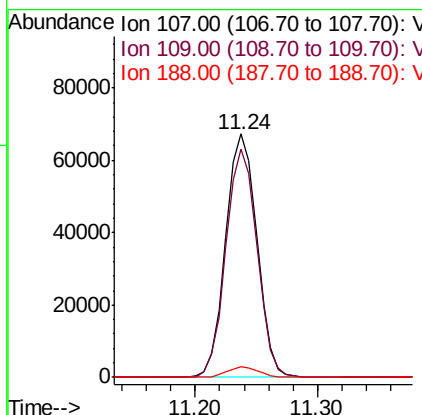
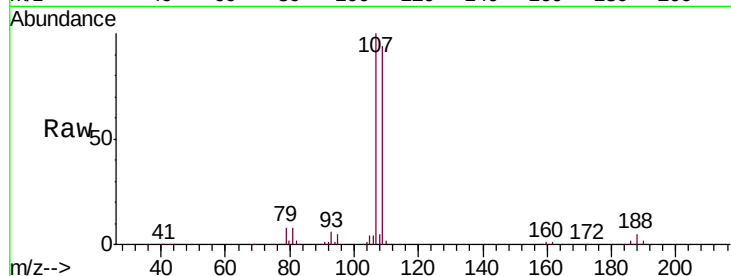




#51
 1,2-Dibromoethane
 Concen: 25.431 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

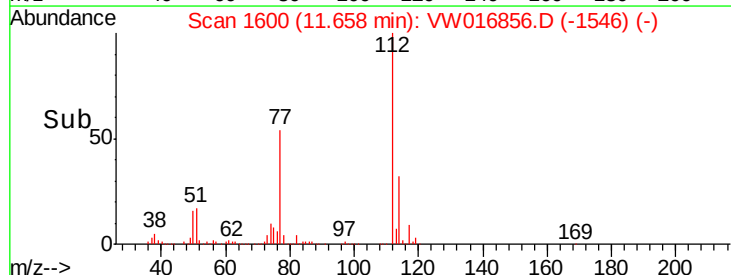
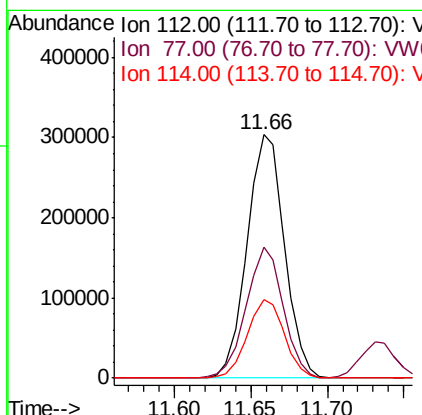
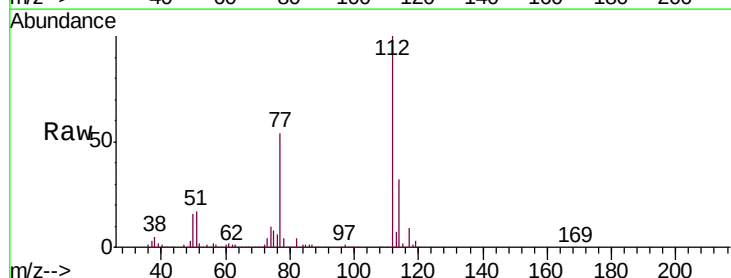
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

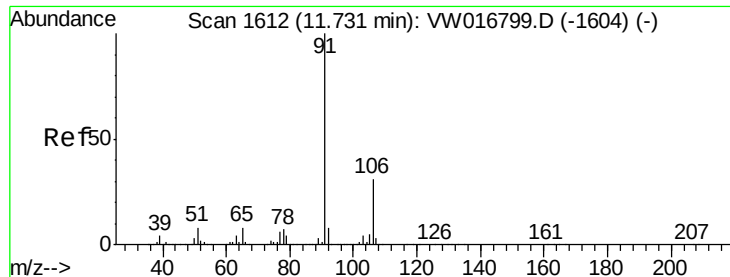
Tgt Ion:107 Resp: 119151
 Ion Ratio Lower Upper
 107 100
 109 93.9 68.4 127.0
 188 4.7 3.4 5.0



#52
 Chlorobenzene
 Concen: 26.717 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

Tgt Ion:112 Resp: 515898
 Ion Ratio Lower Upper
 112 100
 77 53.9 44.0 66.0
 114 32.1 22.3 41.3





#53

Ethylbenzene

Concen: 27.124 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

Instrument :

MSVOA_W

ClientSampled :

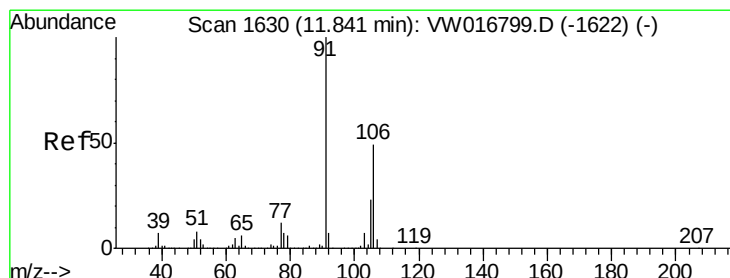
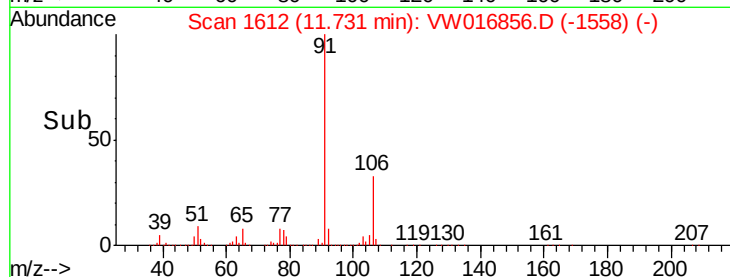
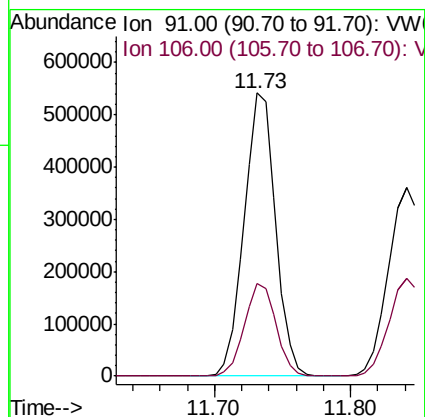
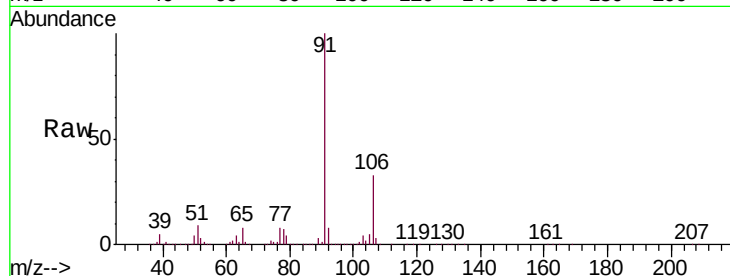
VSTD02524

Tgt Ion: 91 Resp: 875491

Ion Ratio Lower Upper

91 100

106 32.7 22.8 42.4



#54

m,p-Xylene

Concen: 27.197 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016856.D

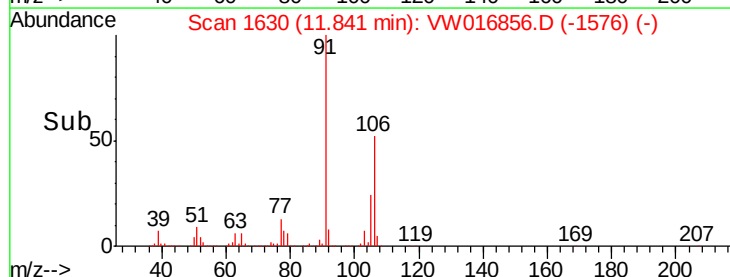
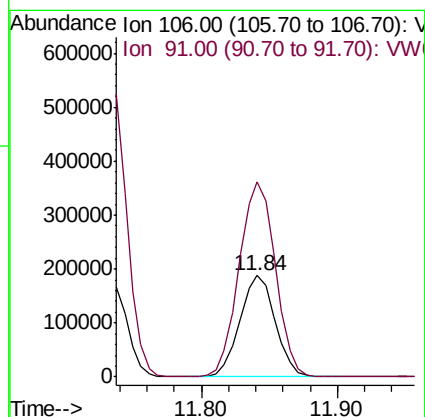
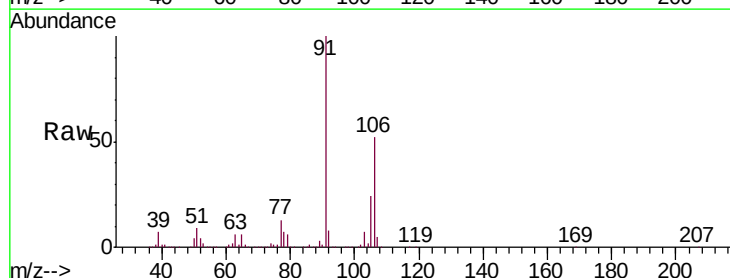
Acq: 08 Oct 2020 16:37

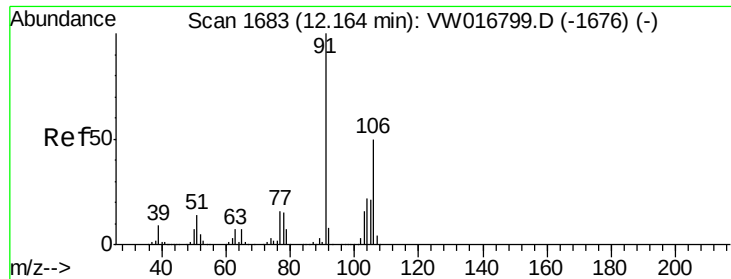
Tgt Ion: 106 Resp: 341409

Ion Ratio Lower Upper

106 100

91 192.4 135.6 251.8

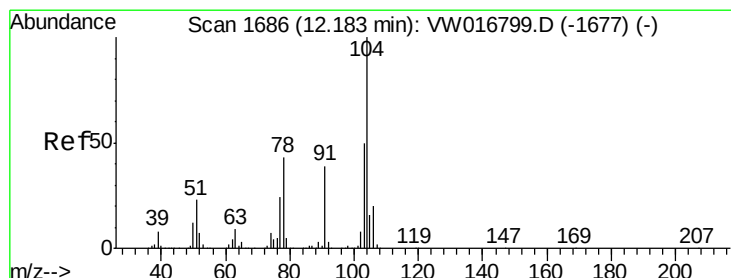
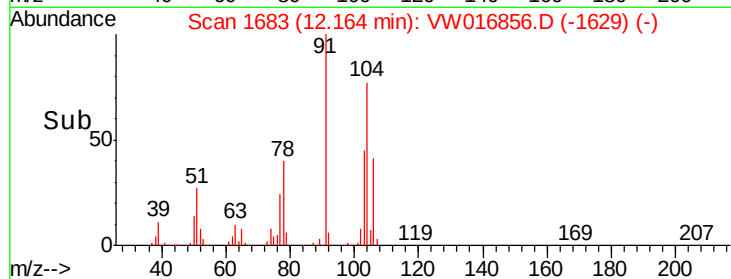
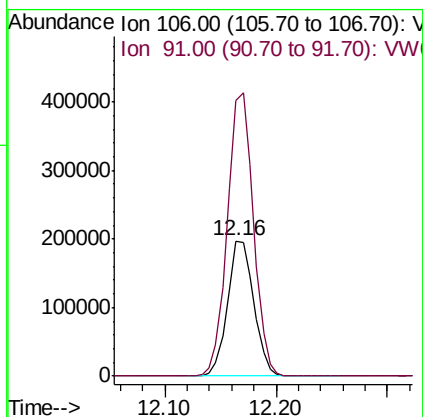
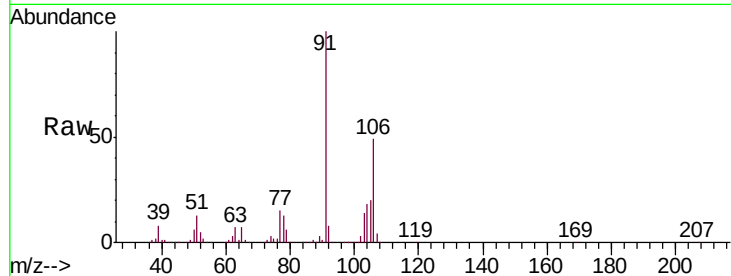




#55
o-xylene
Concen: 26.834 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

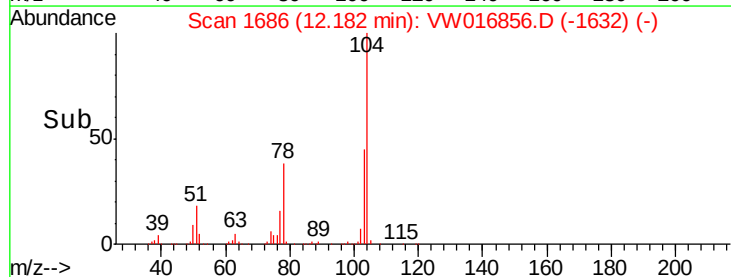
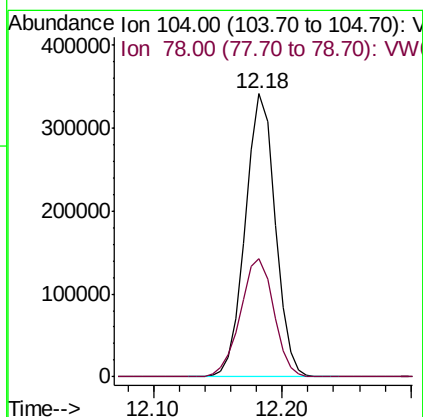
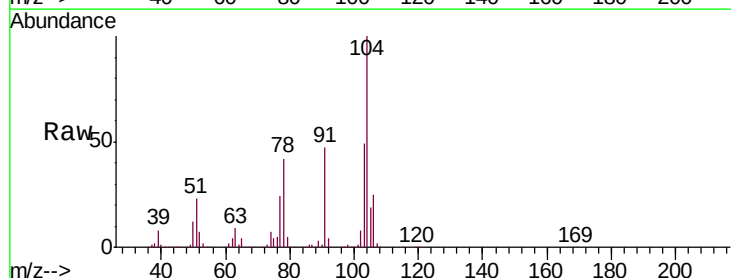
Instrument :
MSVOA_W
ClientSampled :
VSTD02524

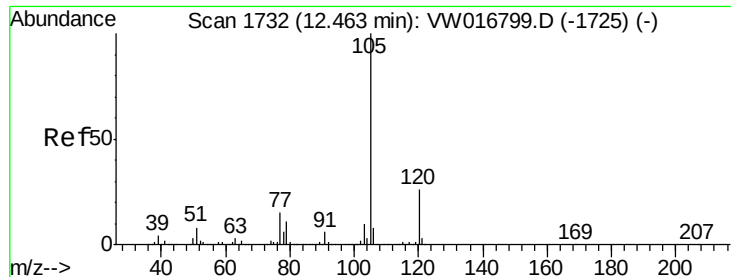
Tgt Ion:106 Resp: 321853
Ion Ratio Lower Upper
106 100
91 204.8 142.6 264.8



#56
Styrene
Concen: 27.623 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016856.D
Acq: 08 Oct 2020 16:37

Tgt Ion:104 Resp: 546709
Ion Ratio Lower Upper
104 100
78 41.6 30.7 57.1





#57

Isopropylbenzene

Concen: 27.288 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

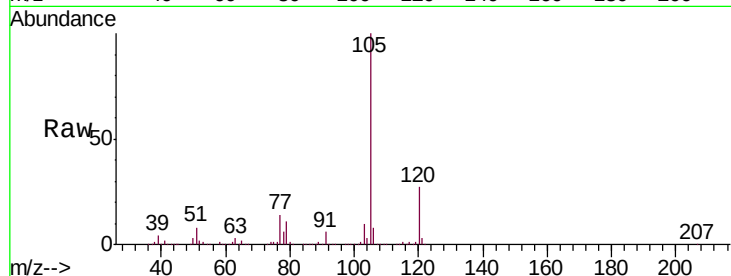
Tgt Ion: 105 Resp: 896222

Ion Ratio Lower Upper

105 100

120 27.2 21.5 32.3

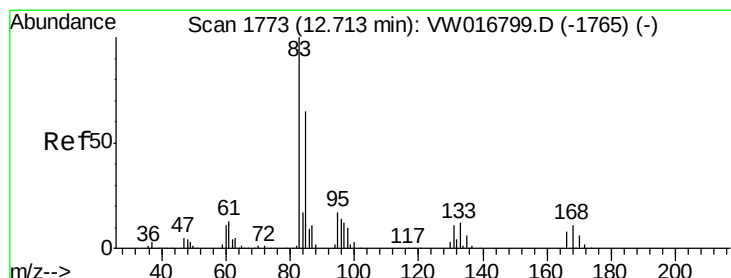
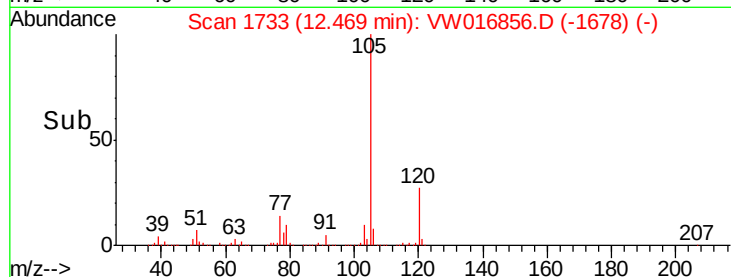
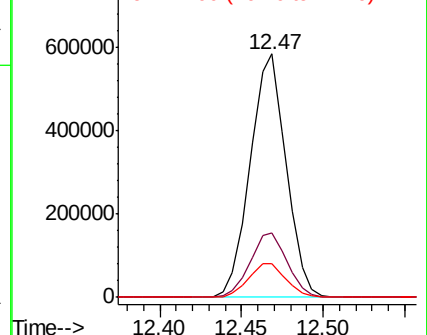
77 14.4 11.4 17.2



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: 24.722 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

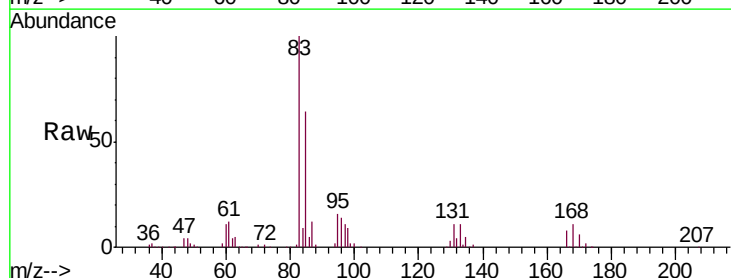
Tgt Ion: 83 Resp: 130260

Ion Ratio Lower Upper

83 100

85 63.9 43.3 80.5

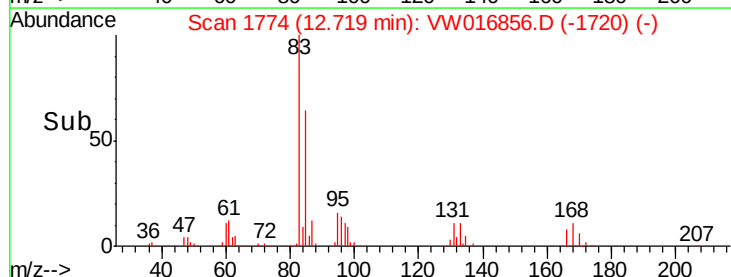
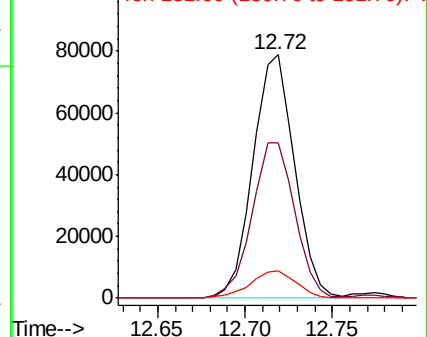
131 11.0 9.0 13.4

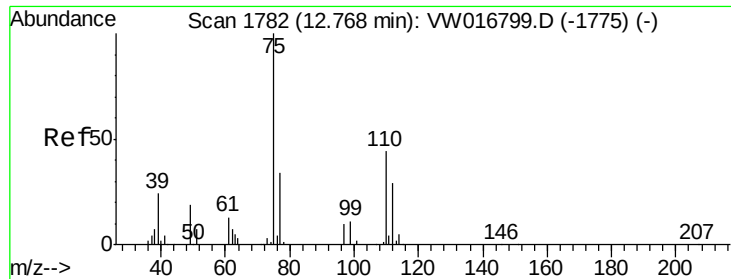


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.553 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

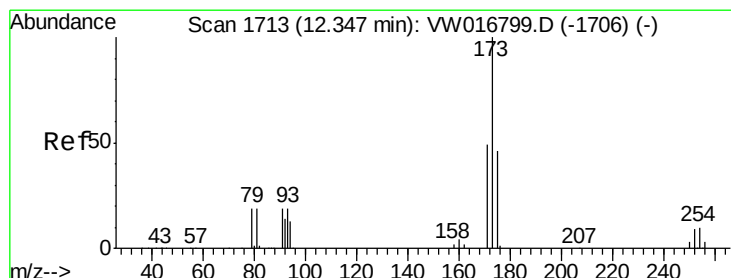
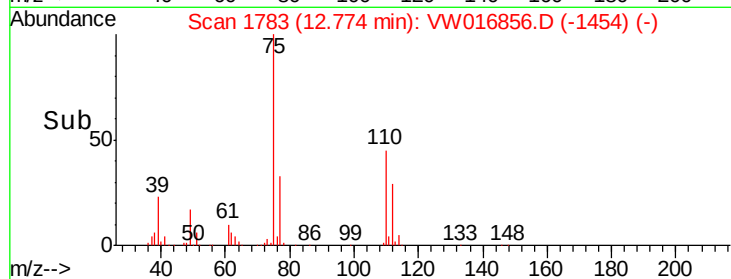
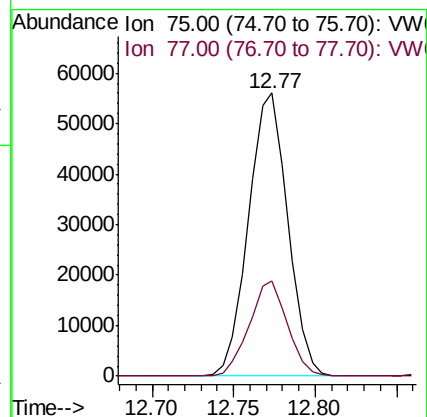
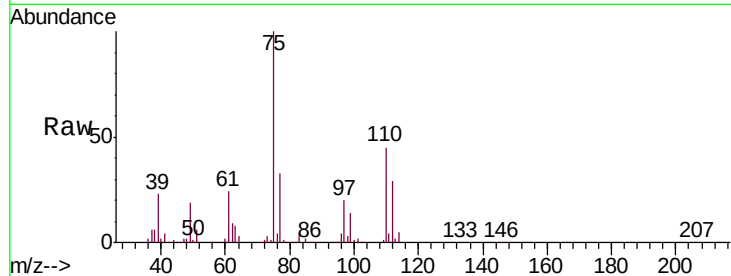
VSTD02524

Tgt Ion: 75 Resp: 93718

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



#62

Bromoform

Concen: 25.500 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

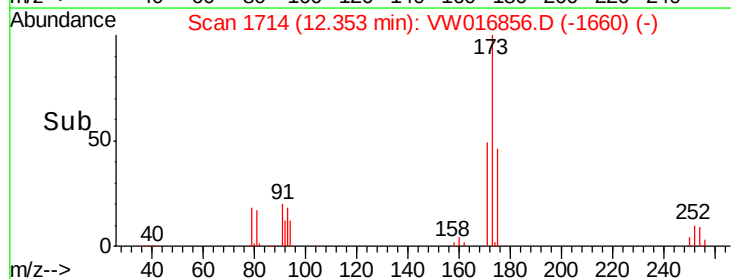
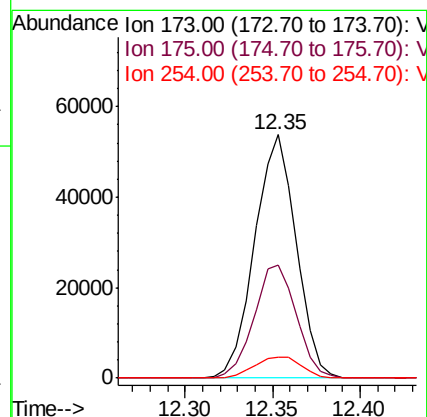
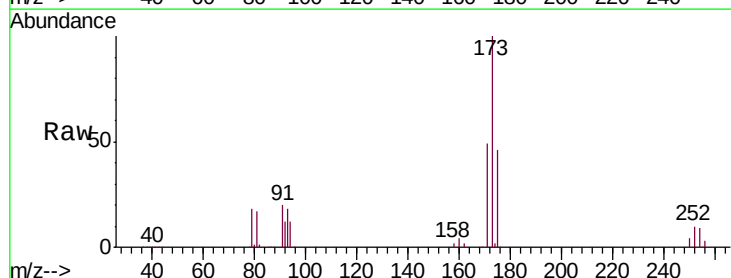
Tgt Ion: 173 Resp: 88698

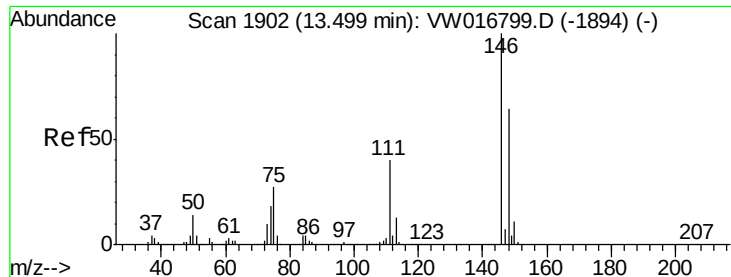
Ion Ratio Lower Upper

173 100

175 47.1 39.9 59.9

254 9.9 8.7 13.1

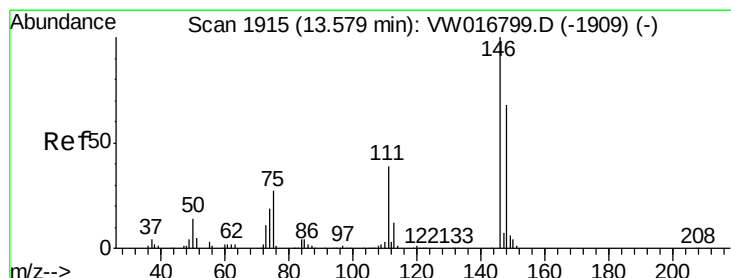
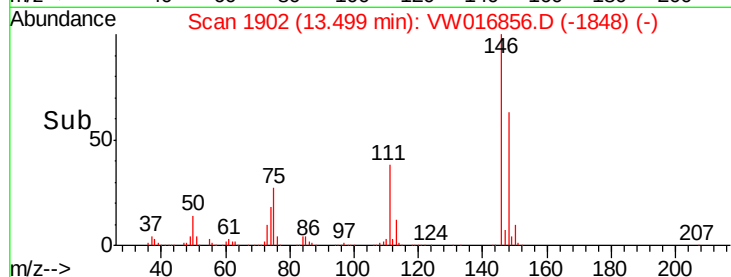
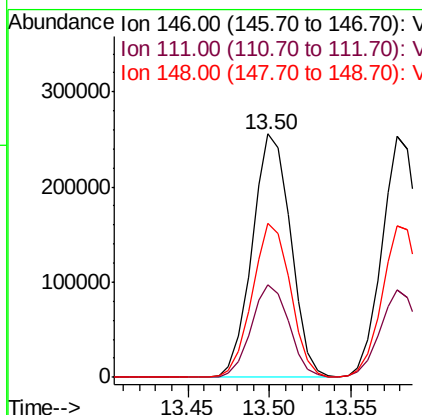
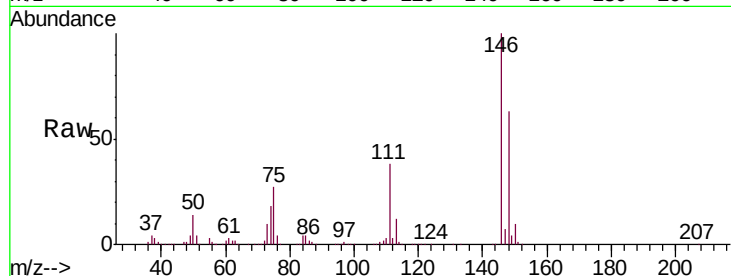




#63
 1,3-Dichlorobenzene
 Concen: 26.645 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

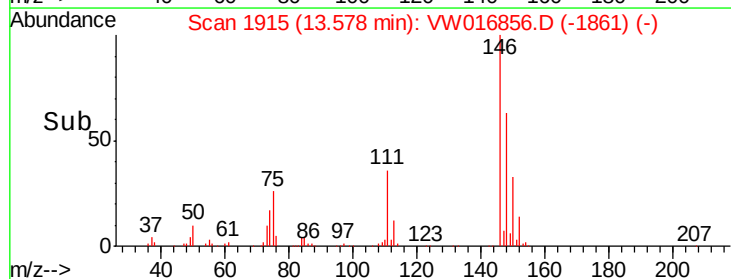
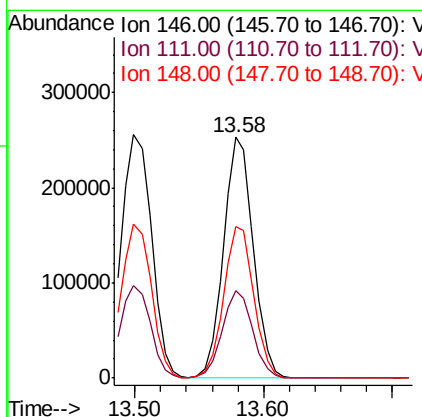
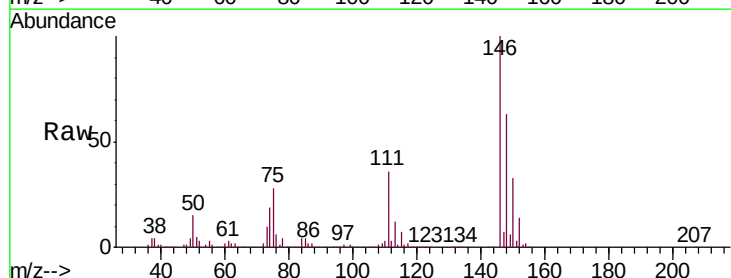
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

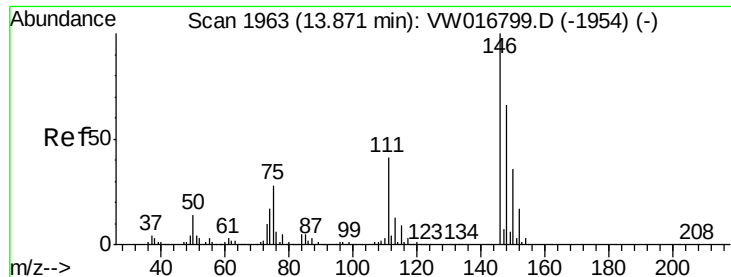
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.9	49.9
148	63.2	45.7	84.9



#64
 1,4-Dichlorobenzene
 Concen: 26.035 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	26.0	48.4
148	62.8	43.9	81.5

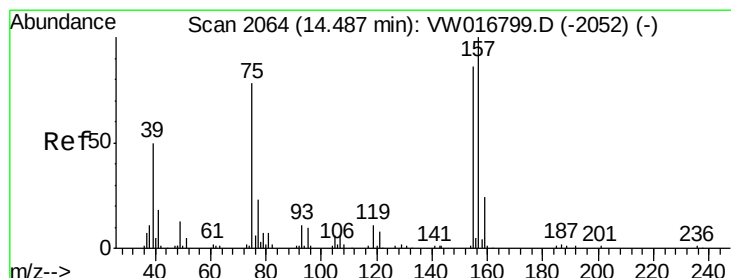
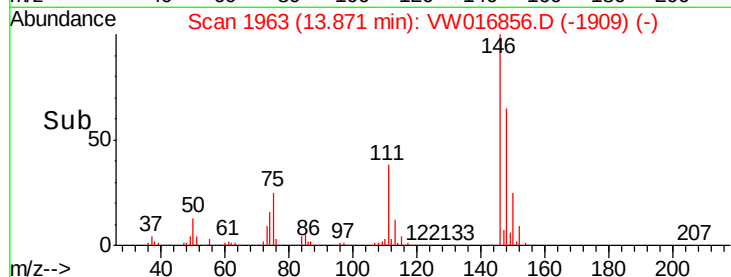
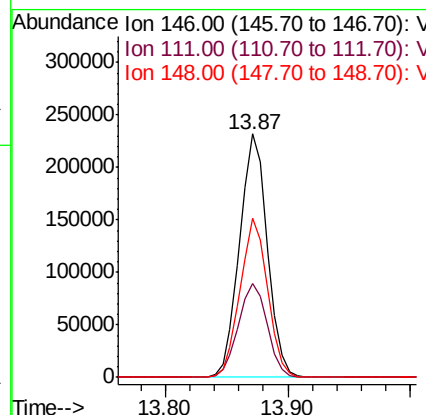
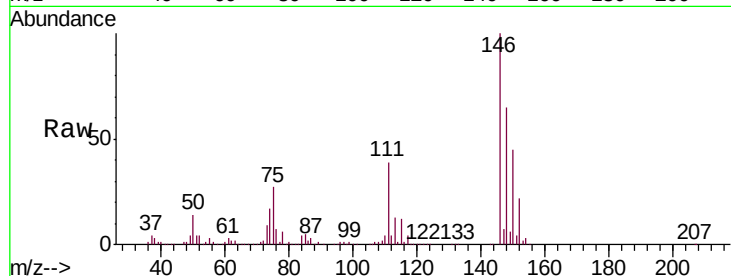




#65
 1,2-Dichlorobenzene
 Concen: 25.777 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

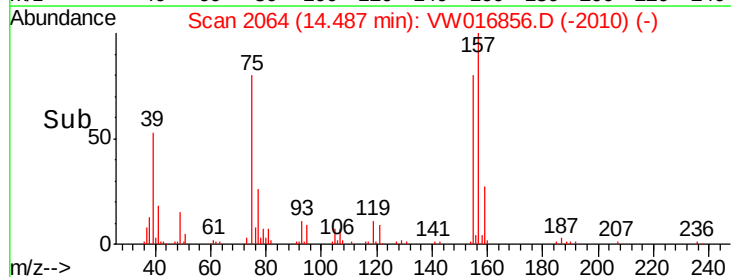
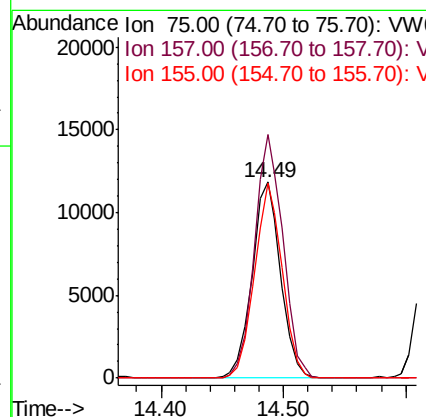
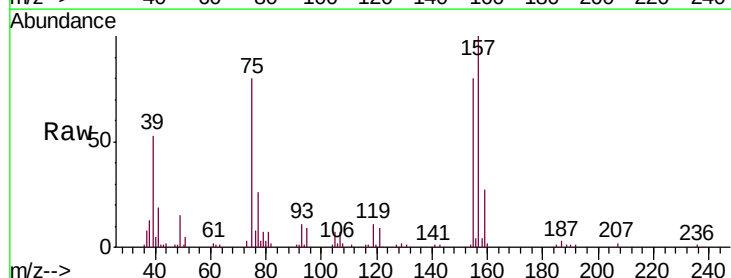
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

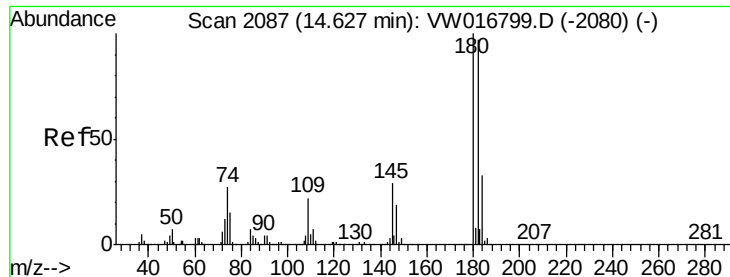
Tgt Ion: 146 Resp: 363196
 Ion Ratio Lower Upper
 146 100
 111 38.6 32.1 48.1
 148 65.5 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.435 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

Tgt Ion: 75 Resp: 19174
 Ion Ratio Lower Upper
 75 100
 157 124.2 100.5 150.7
 155 99.5 74.7 112.1

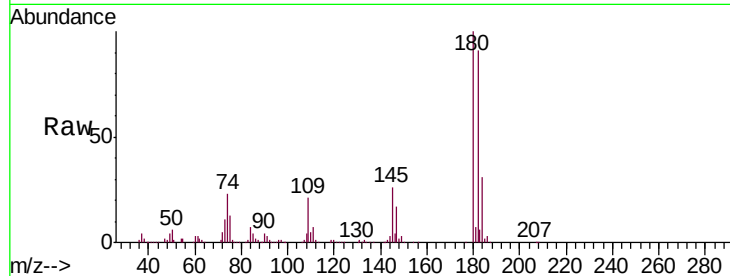




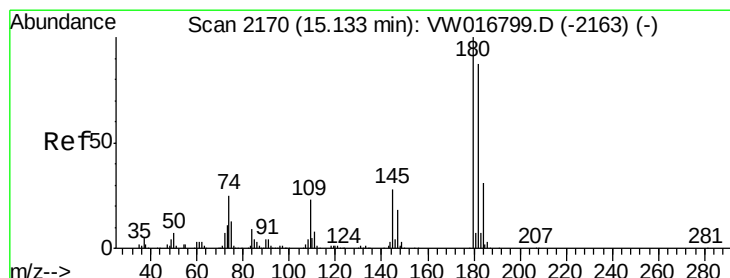
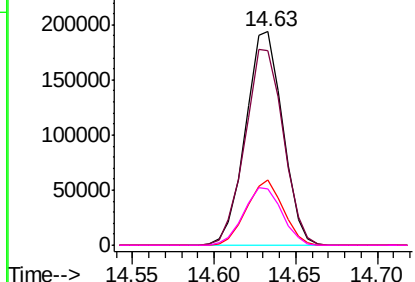
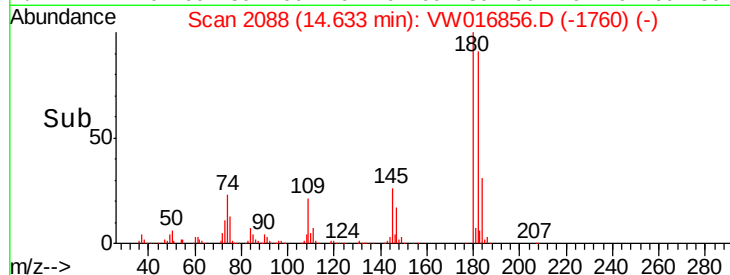
#67
 1,3,5-Trichlorobenzene
 Concen: 26.320 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tgt Ion:	180	Resp:	307874
Ion	Ratio	Lower	Upper
180	100		
182	94.8	79.0	118.6
184	30.2	24.9	37.3
145	27.9	23.0	34.4

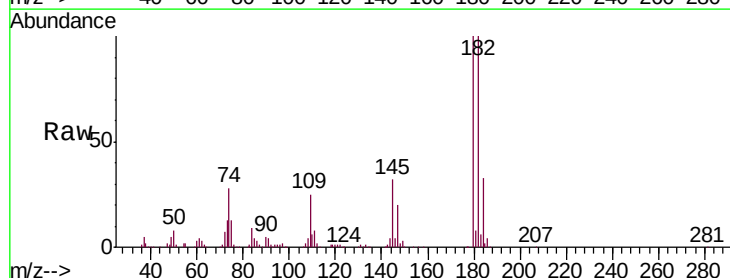


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

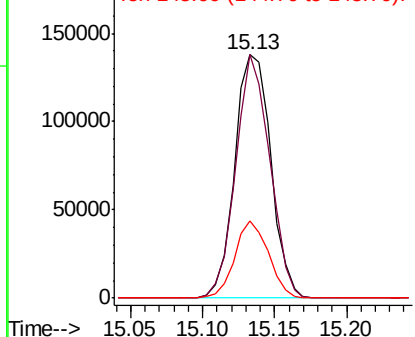
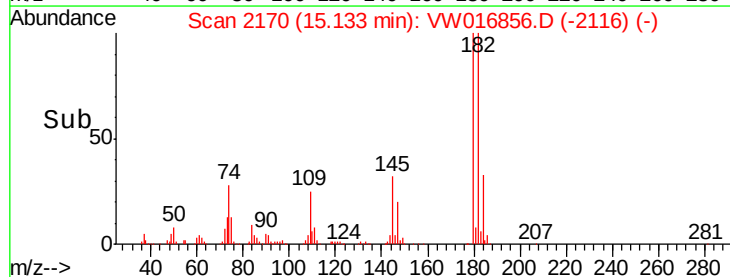


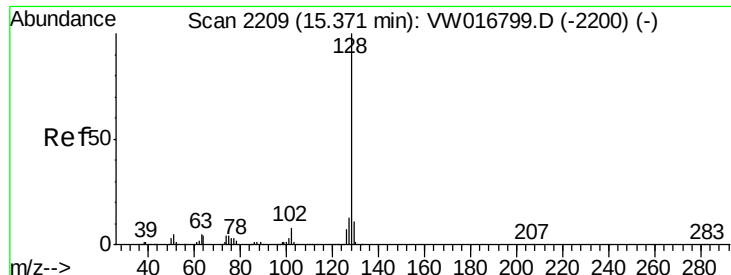
#68
 1,2,4-trichlorobenzene
 Concen: 25.010 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016856.D
 Acq: 08 Oct 2020 16:37

Tgt Ion:	180	Resp:	240292
Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.2	111.2
145	29.7	23.4	35.0



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: 24.533 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

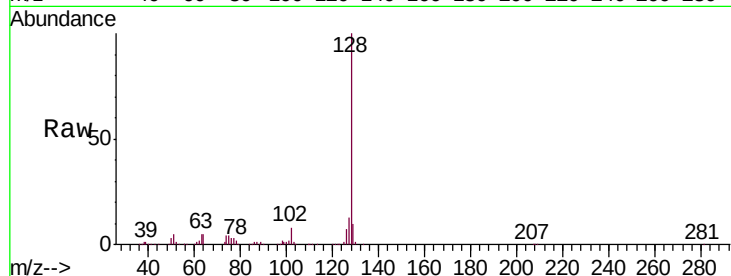
Tgt Ion:128 Resp: 390311

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

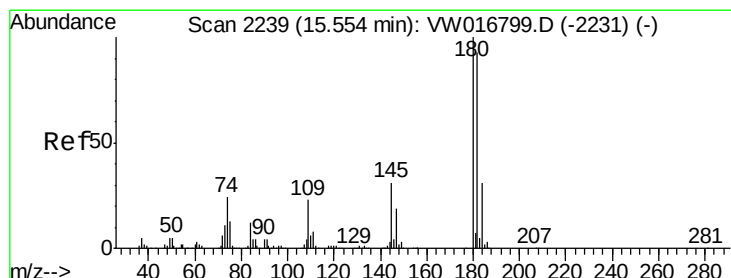
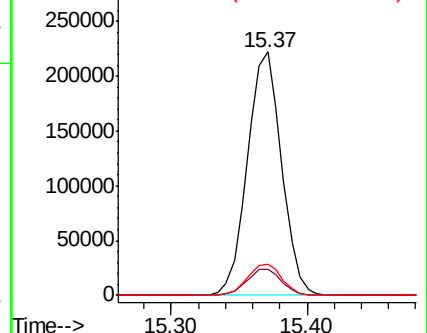
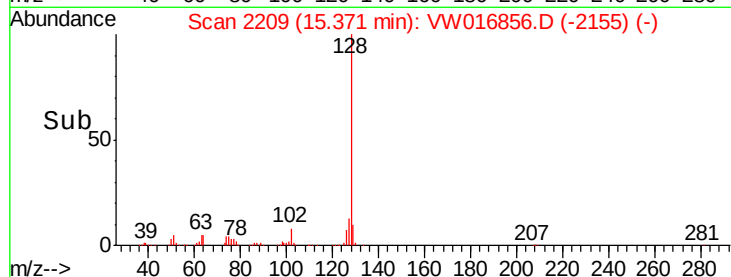
127 13.0 10.1 15.1



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: 24.432 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016856.D

Acq: 08 Oct 2020 16:37

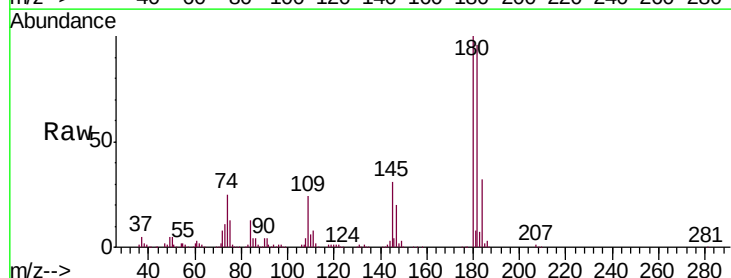
Tgt Ion:180 Resp: 201706

Ion Ratio Lower Upper

180 100

182 97.0 74.1 111.1

145 32.4 24.8 37.2



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

