

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082420\
 Data File : VW016346.D
 Acq On : 24 Aug 2020 21:26
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Aug 25 05:32:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 25 05:29:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	280259	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	266838	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	127449	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	59459	19.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.48%
7) Chloroethane-d5	2.89	69	50745	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.36%
10) 1,1-Dichloroethene-d2	4.03	63	156794	22.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.24%
20) 2-Butanone-d5	7.08	46	40953	48.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.24%
24) Chloroform-d	7.65	84	176976	24.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	8.31	65	92585	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.36%
29) Benzene-d6	8.27	84	347829	23.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.40%
33) 1,2-Dichloropropane-d6	9.27	67	96986	23.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.12%
37) Toluene-d8	10.32	98	329878	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.88%
38) trans-1,3-Dichloropropene-	10.58	79	44840	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.16%
39) 2-Hexanone-d5	10.93	63	31436	47.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	86333	25.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	119095	24.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	65439	21.250	ug/L	98
3) Chloromethane	2.21	50	54051	22.480	ug/L	97
5) Vinyl chloride	2.37	62	75830	23.156	ug/L	91
6) Bromomethane	2.78	94	51318	23.971	ug/L	99
8) Chloroethane	2.93	64	44023	24.109	ug/L	100
9) Trichlorofluoromethane	3.26	101	72464	20.448	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	94009	24.302	ug/L	99
12) 1,1-Dichloroethene	4.04	96	90300	24.270	ug/L	93
13) Acetone	4.12	43	31257	44.258	ug/L	99
14) Carbon disulfide	4.39	76	260212	23.589	ug/L	99
15) Methyl Acetate	4.67	43	37433	26.343	ug/L	98
16) Methylene chloride	4.92	84	106530	20.562	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	141213	25.958	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	97633	24.981	ug/L	94
19) 1,1-Dichloroethane	6.21	63	162332	25.209	ug/L	98
21) 2-Butanone	7.17	43	48443	48.143	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	105248	25.606	ug/L	99

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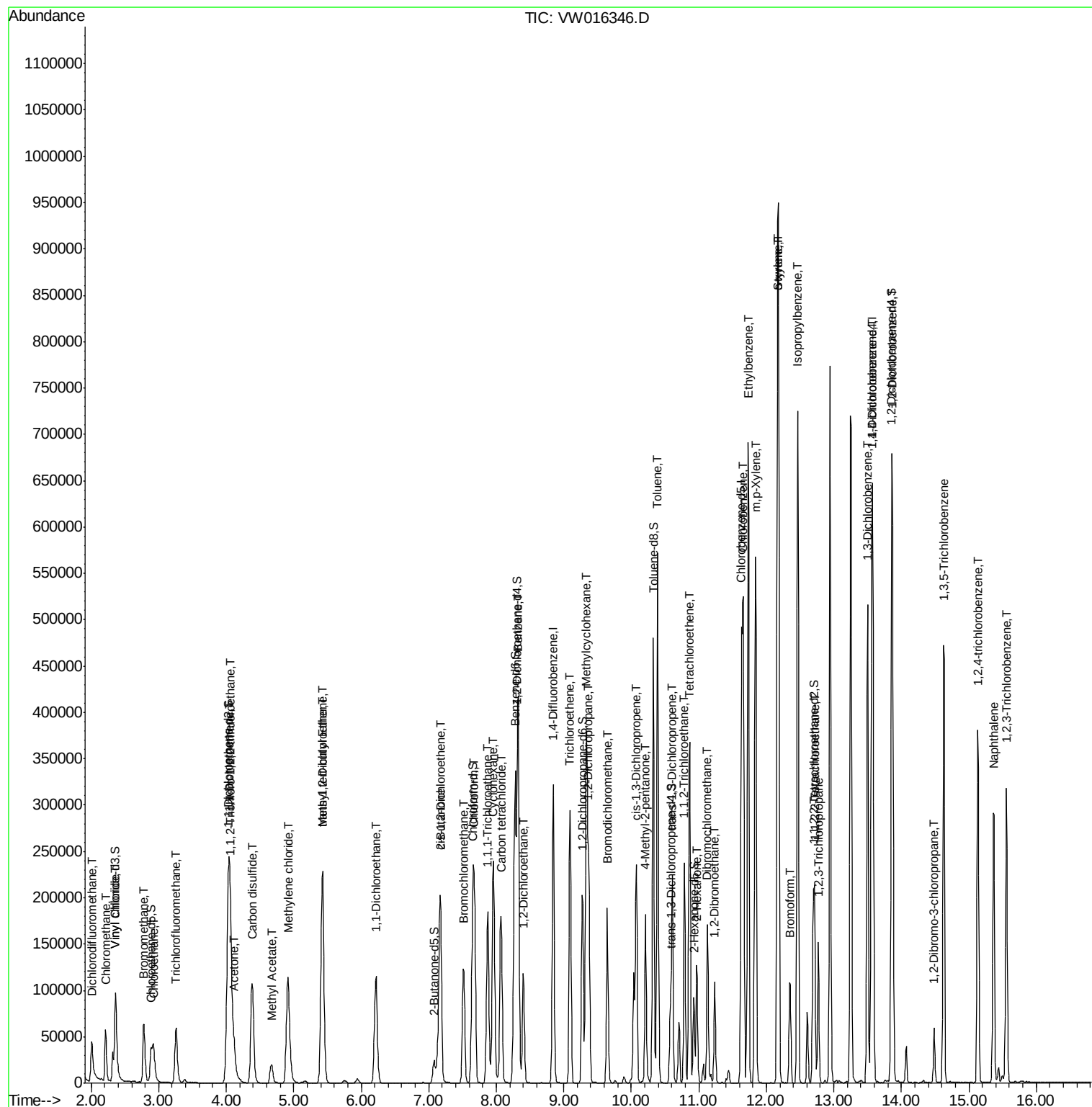
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	49116	26.052	ug/L	93
25) Chloroform	7.68	83	177944	25.659	ug/L	98
27) 1,2-Dichloroethane	8.40	62	112883	25.989	ug/L	99
30) Cyclohexane	7.96	56	134967	23.402	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	153475	23.914	ug/L	100
32) Carbon tetrachloride	8.07	117	146469	24.035	ug/L	99
34) Benzene	8.32	78	378829	24.751	ug/L	100
35) Trichloroethene	9.09	95	103416	23.864	ug/L	97
36) Methylcyclohexane	9.34	83	165767	23.432	ug/L	99
40) 1,2-Dichloropropane	9.37	63	89500	24.865	ug/L	100
41) Bromodichloromethane	9.65	83	126983	24.904	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	143435	24.338	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	108682	50.499	ug/L	99
44) Toluene	10.39	91	424348	25.459	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	129805	24.911	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	76123	25.622	ug/L	98
47) Tetrachloroethene	10.87	164	82499	24.141	ug/L	94
49) 2-Hexanone	10.97	43	72194	51.781	ug/L	99
50) Dibromochloromethane	11.13	129	92503	25.000	ug/L	97
51) 1,2-Dibromoethane	11.24	107	74365	25.572	ug/L #	96
52) Chlorobenzene	11.66	112	278425	25.010	ug/L	97
53) Ethylbenzene	11.73	91	484887	25.305	ug/L	98
54) m,p-Xylene	11.84	106	185610	25.205	ug/L	95
55) o-xylene	12.17	106	178751	25.837	ug/L	96
56) Styrene	12.18	104	305827	26.271	ug/L	99
57) Isopropylbenzene	12.47	105	485094	25.188	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	88992	25.670	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	65416	25.478	ug/L	98
62) Bromoform	12.35	173	52678	25.432	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	213229	24.825	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	216714	24.906	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	198213	25.844	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	15167	25.157	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	144215	24.331	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	121021	25.723	ug/L	99
69) Naphthalene	15.36	128	265130	28.688	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	108168	26.141	ug/L	97

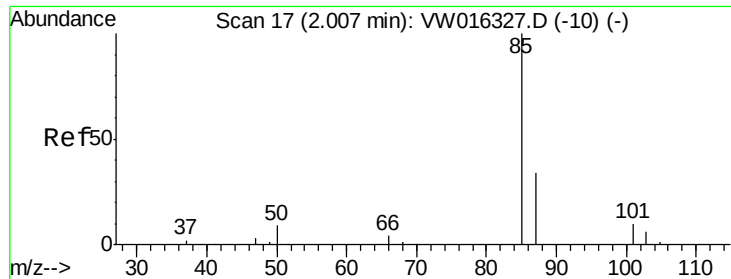
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.250 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampled :

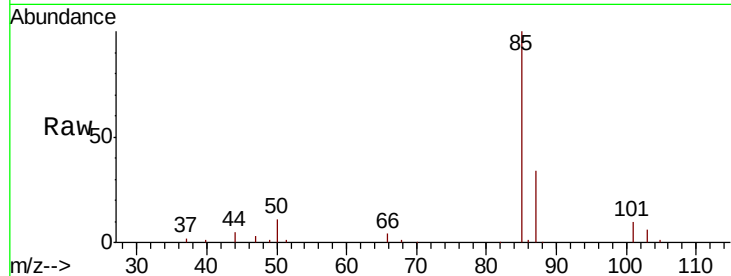
VSTD02524

Tot Ion: 85 Resp: 65439

Ion Ratio Lower Upper

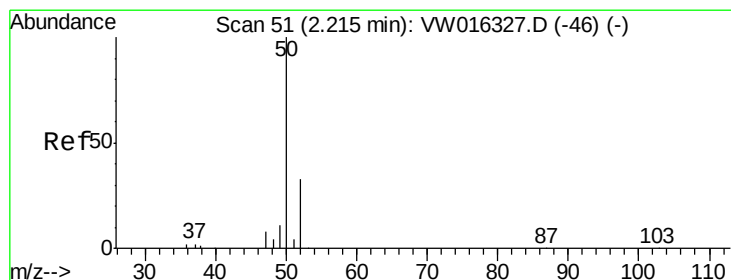
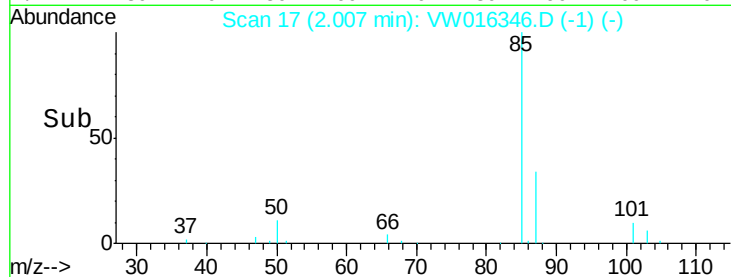
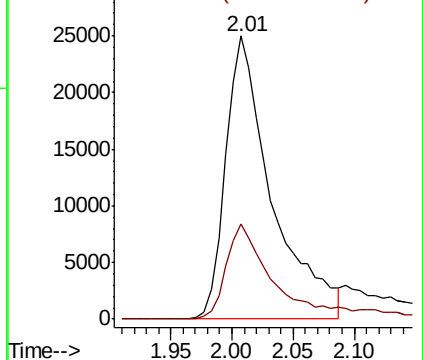
85 100

87 32.1 21.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.480 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016346.D

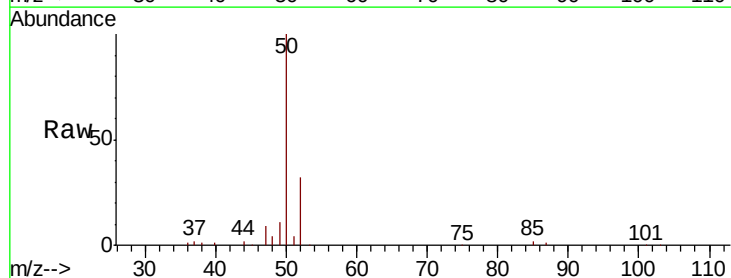
Acq: 24 Aug 2020 21:26

Tgt Ion: 50 Resp: 54051

Ion Ratio Lower Upper

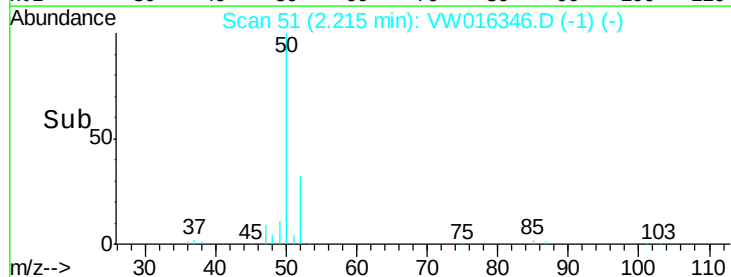
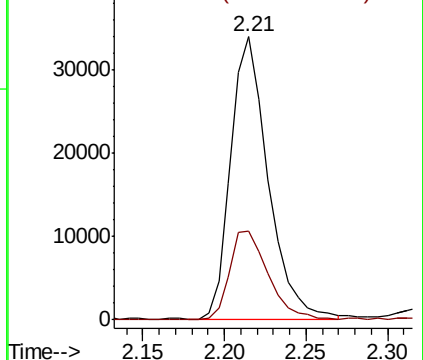
50 100

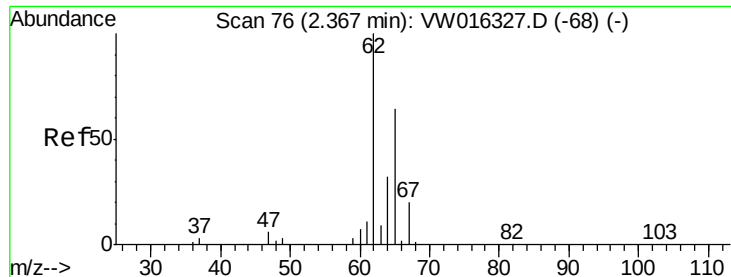
52 31.6 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.156 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampled :

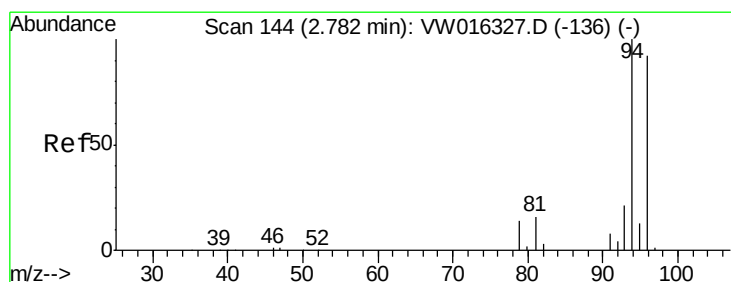
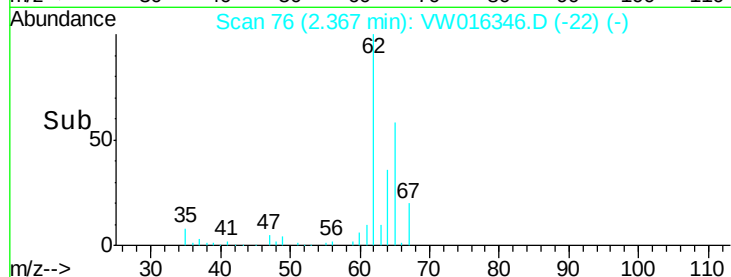
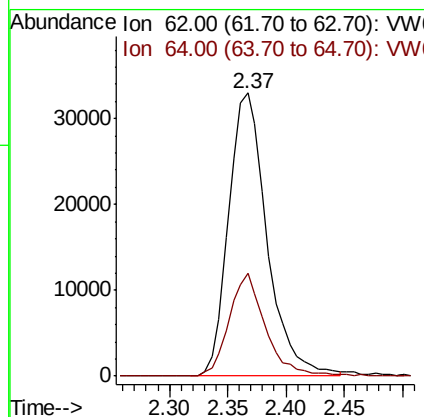
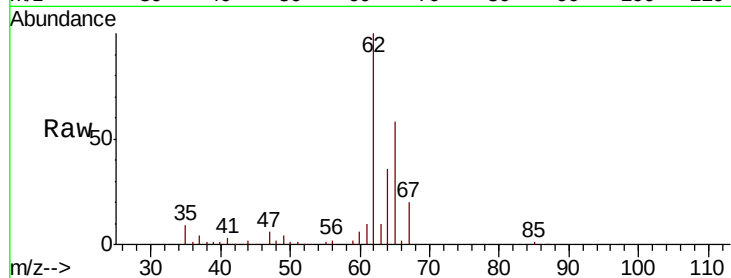
VSTD02524

Tot Ion: 62 Resp: 75830

Ion Ratio Lower Upper

62 100

64 36.4 22.0 41.0



#6

Bromomethane

Concen: 23.971 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016346.D

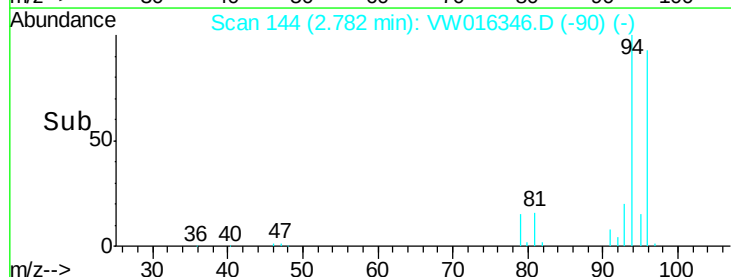
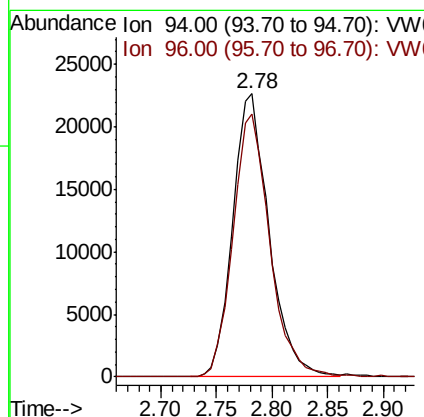
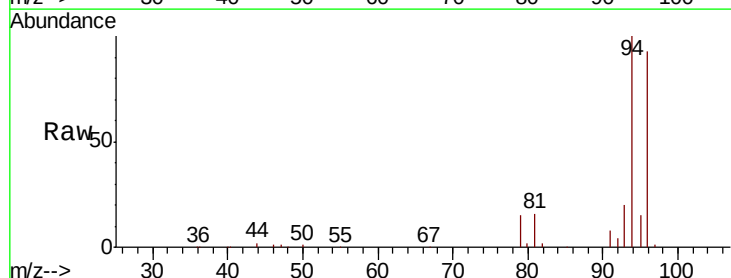
Acq: 24 Aug 2020 21:26

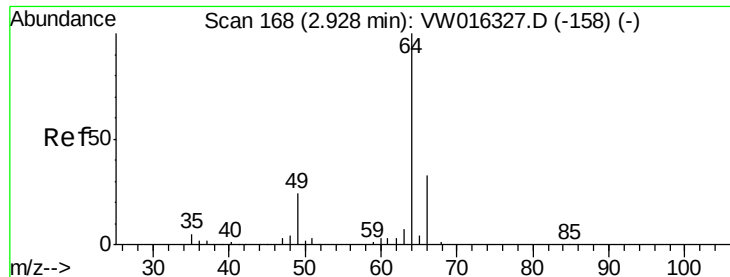
Tgt Ion: 94 Resp: 51318

Ion Ratio Lower Upper

94 100

96 93.9 9.3 176.7

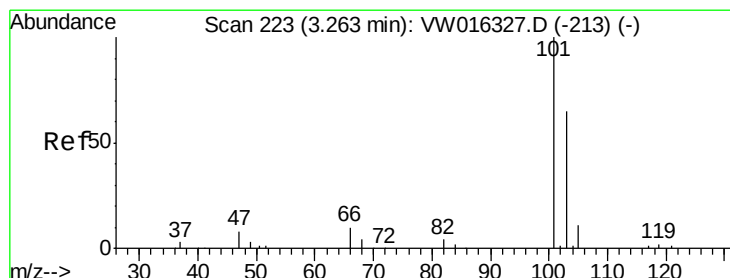
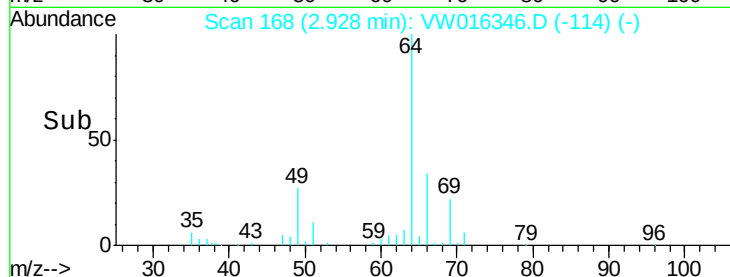
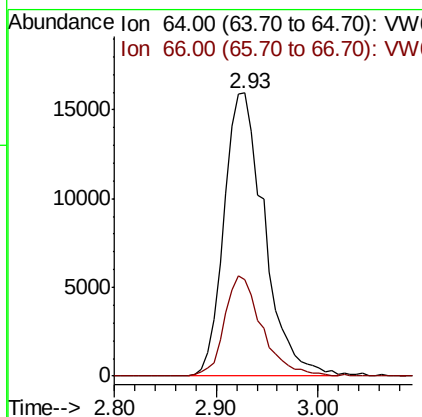
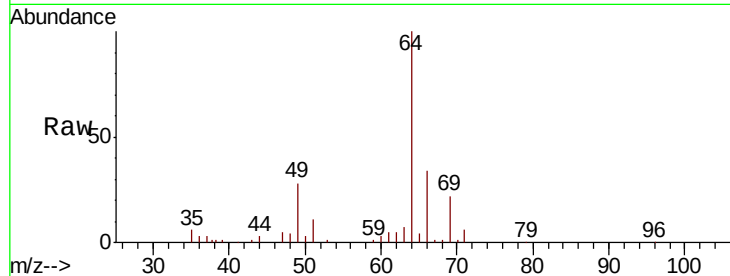




#8
Chloroethane
Concen: 24.109 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW016346.D
Acq: 24 Aug 2020 21:26

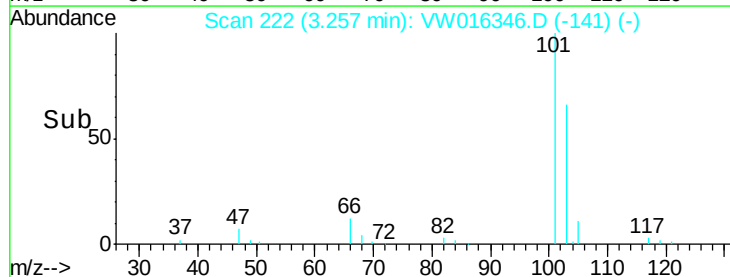
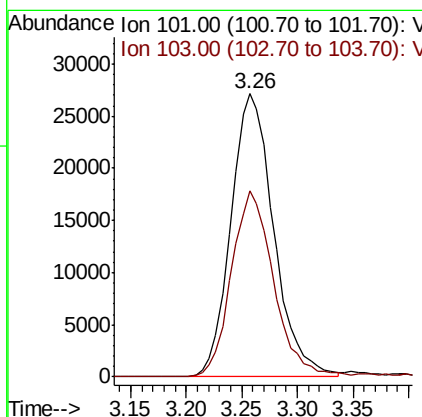
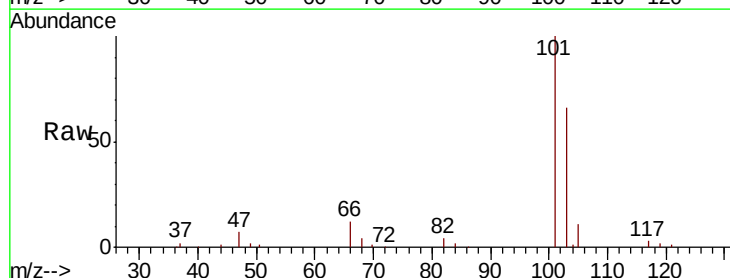
Instrument :
MSVOA_W
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VSTD02524

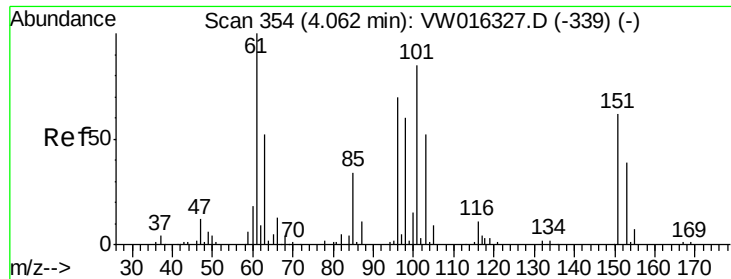
Tot Ion: 64 Resp: 44023
Ion Ratio Lower Upper
64 100
66 34.3 24.1 44.8



#9
Trichlorofluoromethane
Concen: 20.448 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW016346.D
Acq: 24 Aug 2020 21:26

Tgt Ion: 101 Resp: 72464
Ion Ratio Lower Upper
101 100
103 64.9 44.8 83.2





#11

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

Concen: 24.302 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampled :

VSTD02524

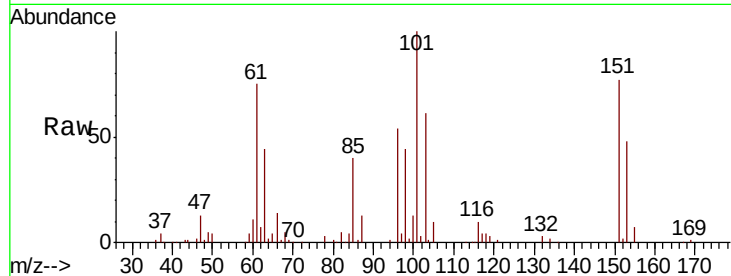
Tot Ion:101 Resp: 94009

Ion Ratio Lower Upper

101 100

85 39.8 31.8 47.6

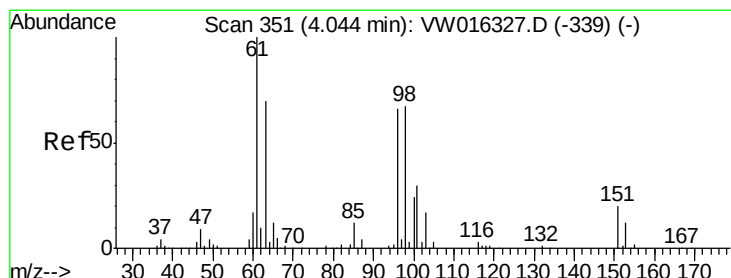
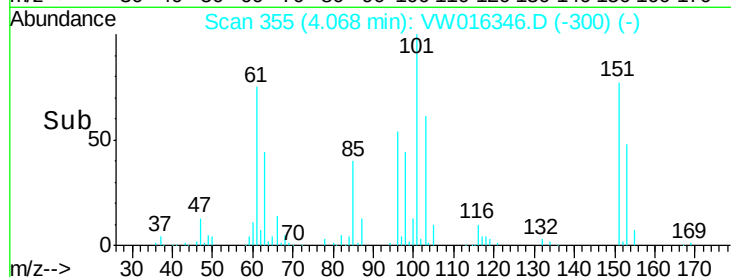
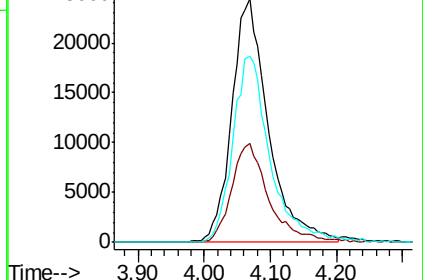
151 76.7 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.270 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW016346.D

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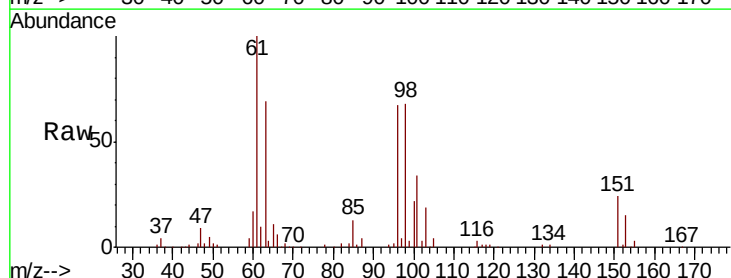
Tgt Ion: 96 Resp: 90300

Ion Ratio Lower Upper

96 100

61 149.6 112.3 208.5

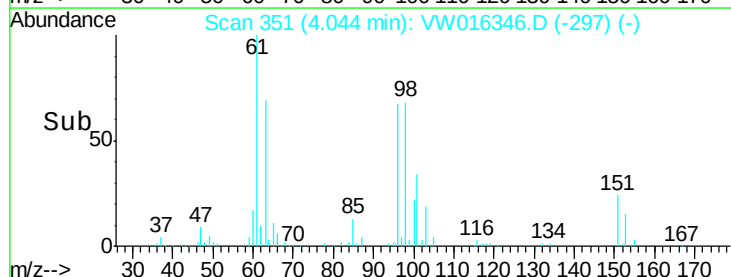
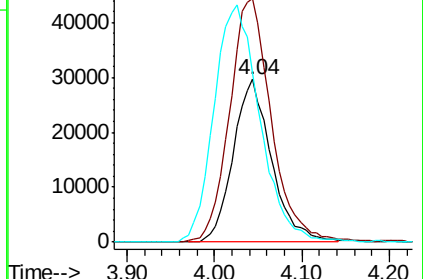
63 103.9 77.3 143.7

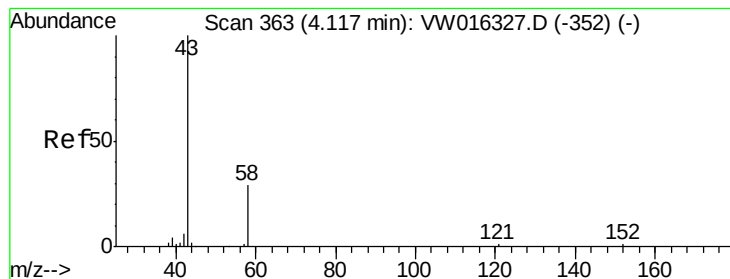


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.258 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW016346.D

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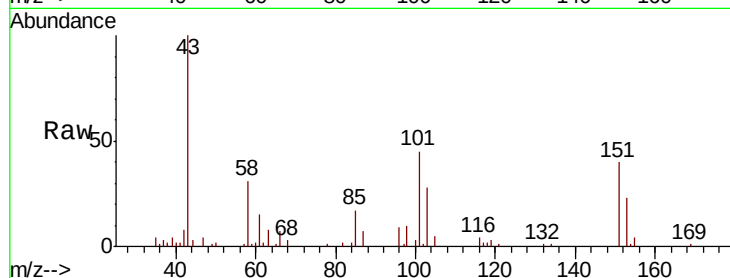
VSTD02524

Tot Ion: 43 Resp: 31257

Ion Ratio Lower Upper

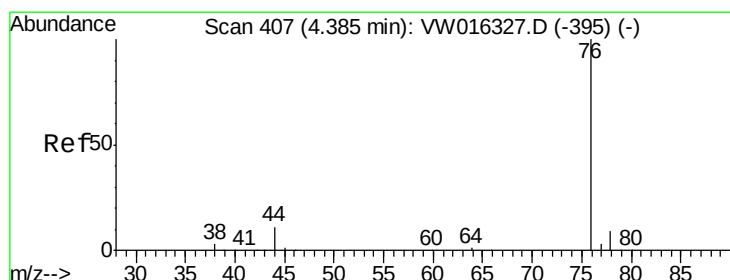
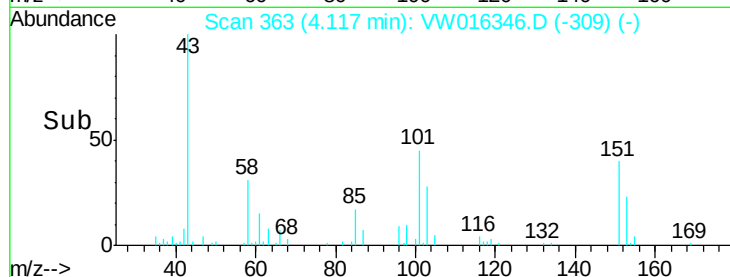
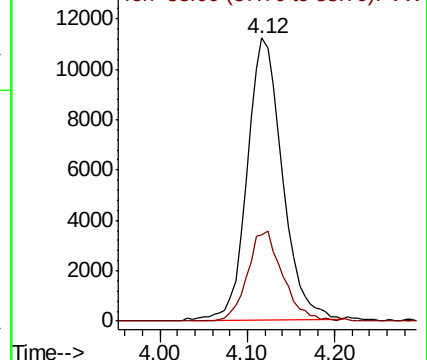
43 100

58 31.6 0.0 63.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.589 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW016346.D

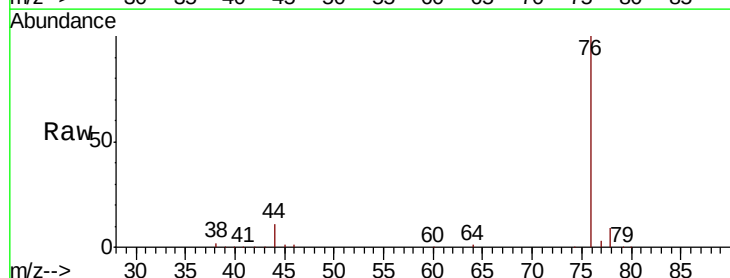
Acq: 24 Aug 2020 21:26

Tgt Ion: 76 Resp: 260212

Ion Ratio Lower Upper

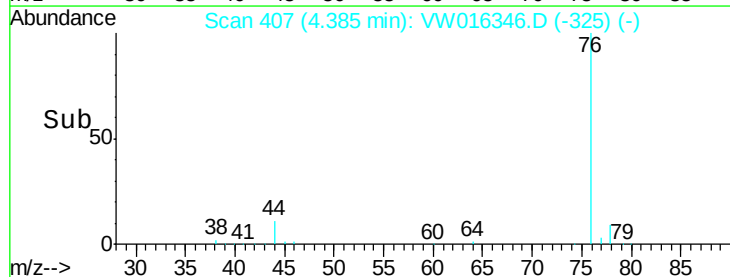
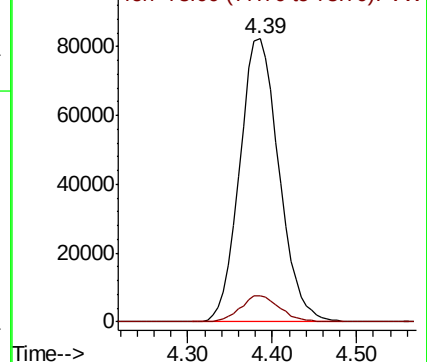
76 100

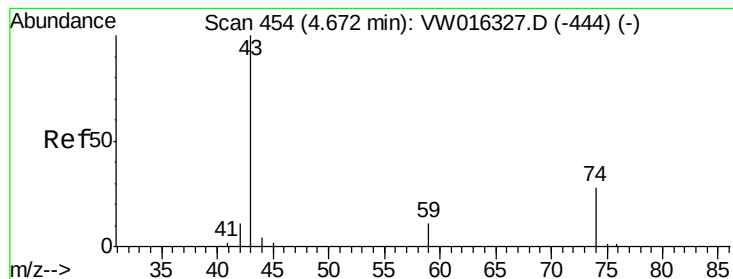
78 9.3 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 26.343 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampleId :

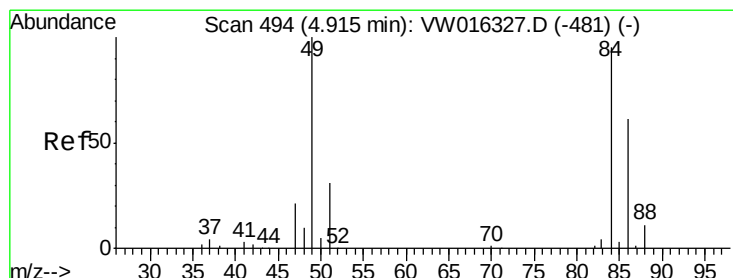
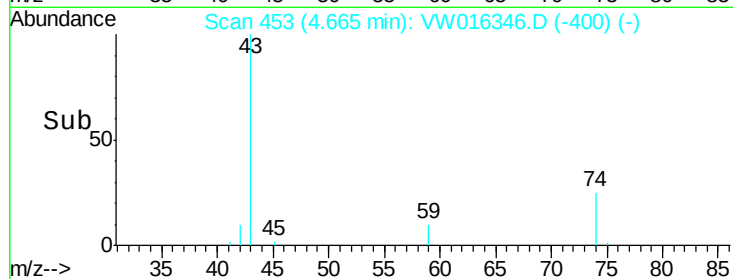
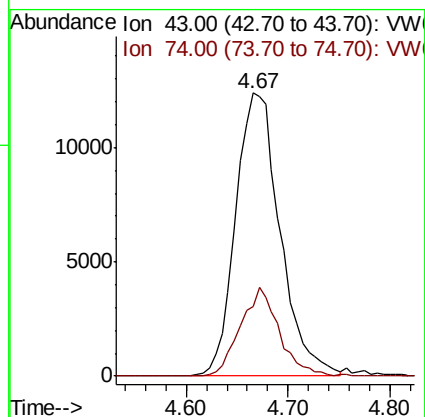
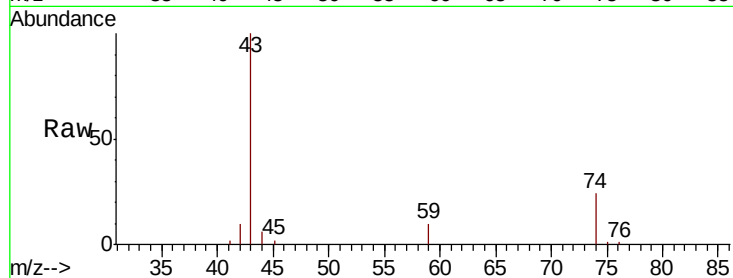
VSTD02524

Tot Ion: 43 Resp: 37433

Ion Ratio Lower Upper

43 100

74 27.4 21.0 31.6



#16

Methylene chloride

Concen: 20.562 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

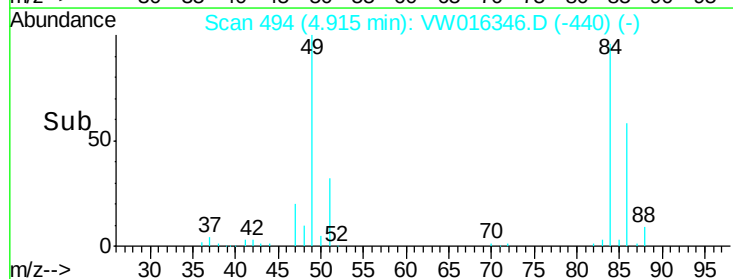
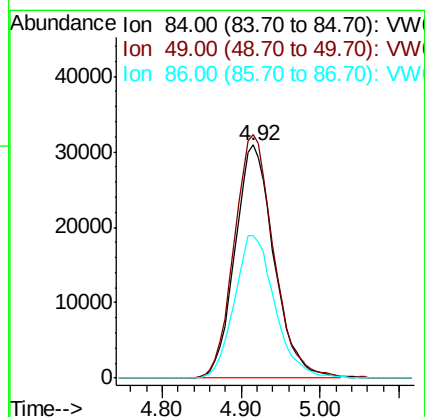
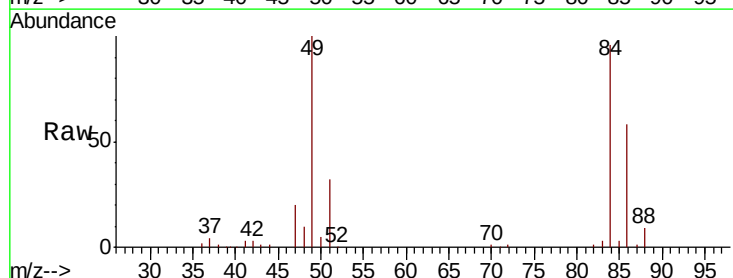
Tgt Ion: 84 Resp: 106530

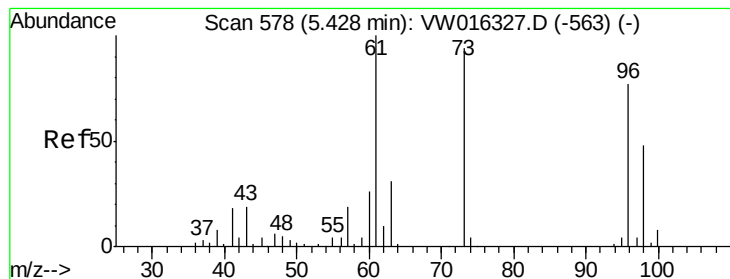
Ion Ratio Lower Upper

84 100

49 104.4 75.3 139.9

86 60.8 43.3 80.3



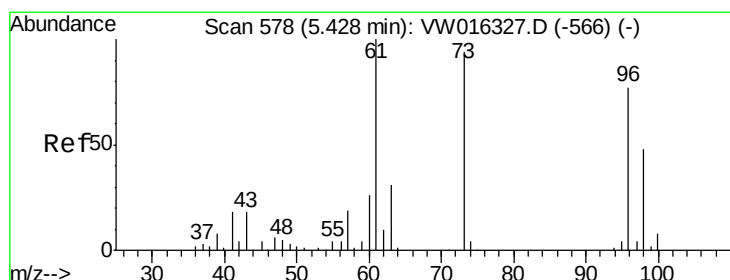
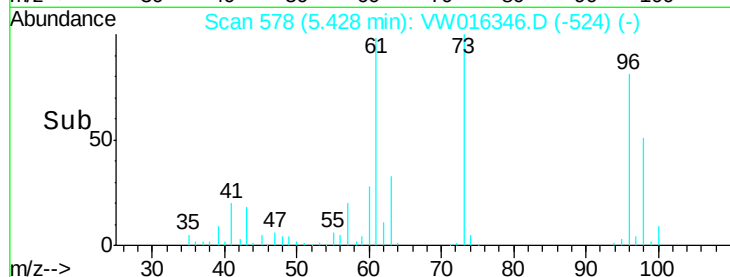
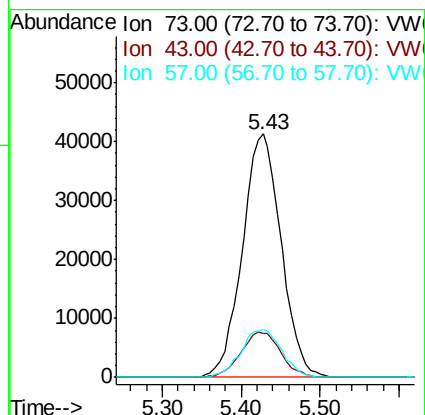
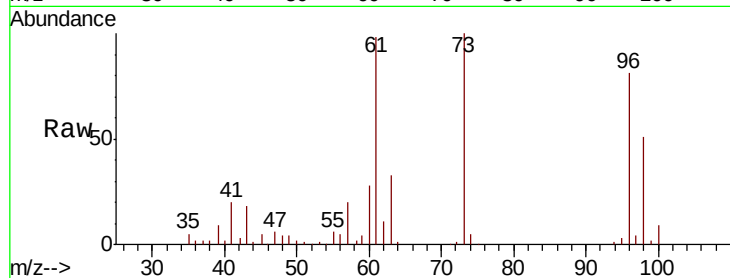


#17

Methyl tert-butyl Ether
 Concen: 25.958 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02524

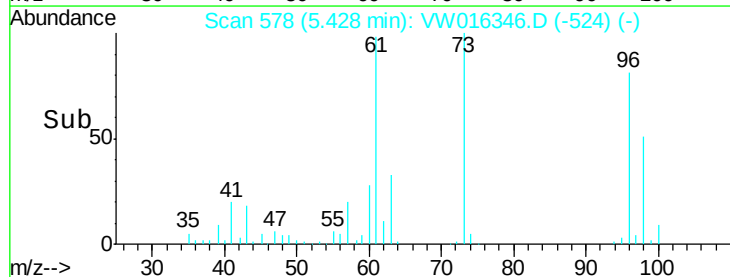
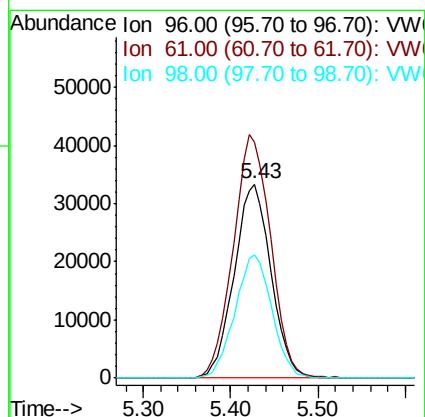
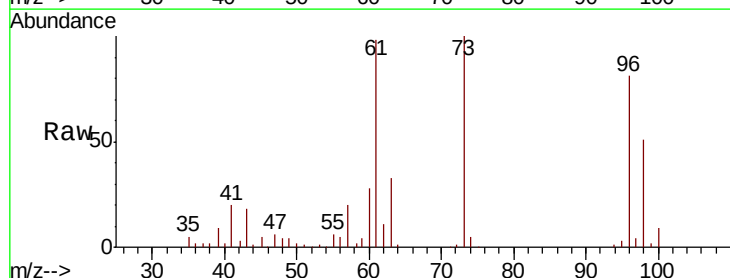
Tot Ion	73	Resp	141213
Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.3	22.9
57	20.6	16.1	24.1

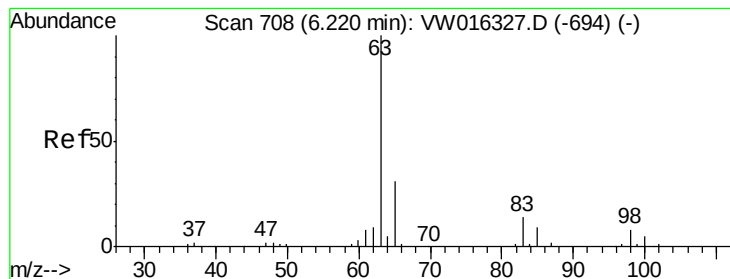


#18

trans-1,2-Dichloroethene
 Concen: 24.981 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Tgt Ion	96	Resp	97633
Ion	Ratio	Lower	Upper
96	100		
61	121.6	89.9	167.0
98	63.3	41.6	77.2





#19

1,1-Dichloroethane

Concen: 25.209 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

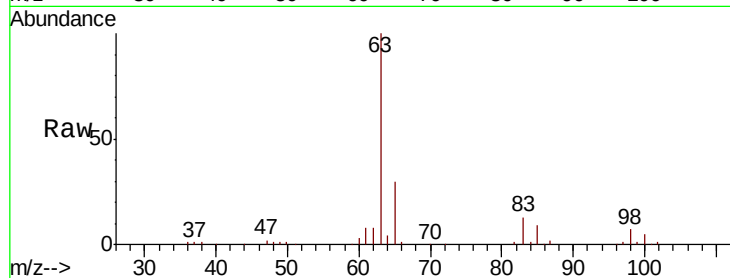
Tot Ion: 63 Resp: 162332

Ion Ratio Lower Upper

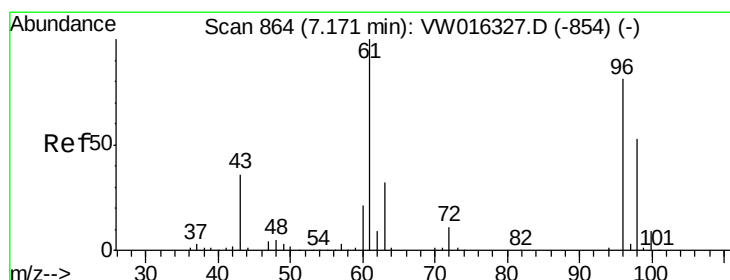
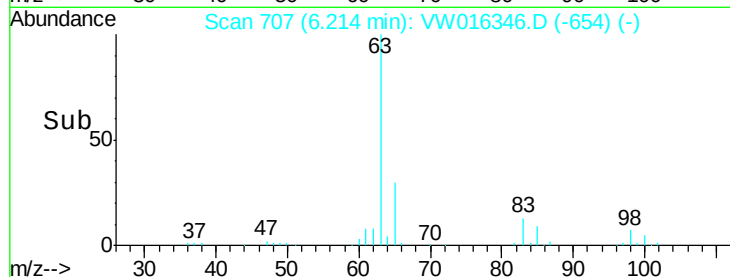
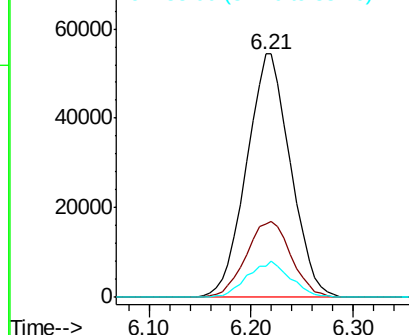
63 100

65 30.1 21.8 40.6

83 12.8 9.6 17.8



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



#21

2-Butanone

Concen: 48.143 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016346.D

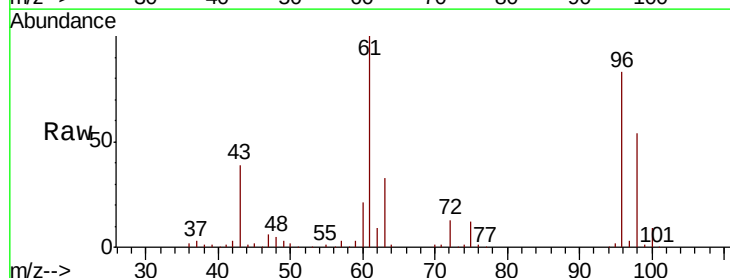
Acq: 24 Aug 2020 21:26

Tgt Ion: 43 Resp: 48443

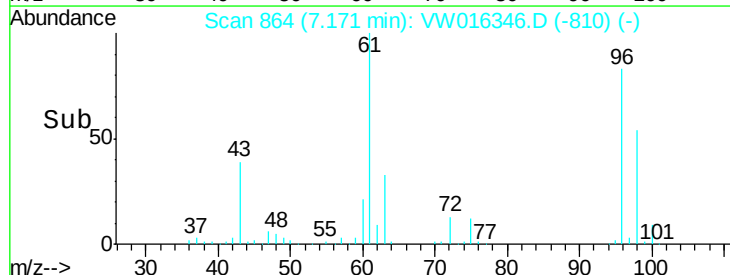
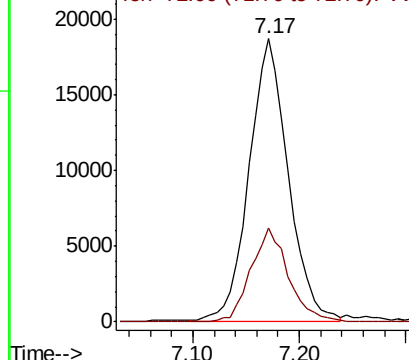
Ion Ratio Lower Upper

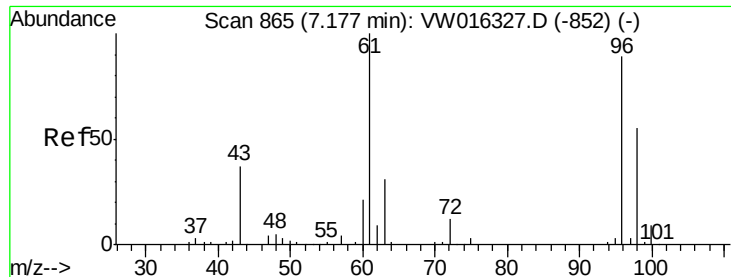
43 100

72 31.4 16.0 48.0



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



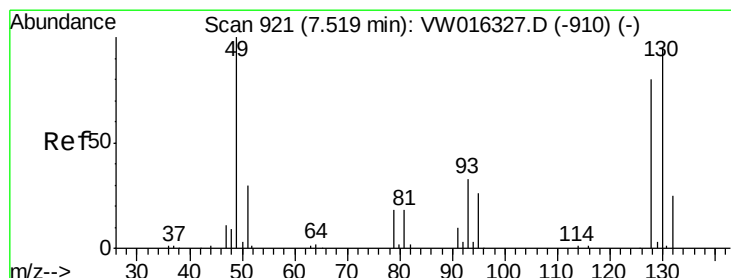
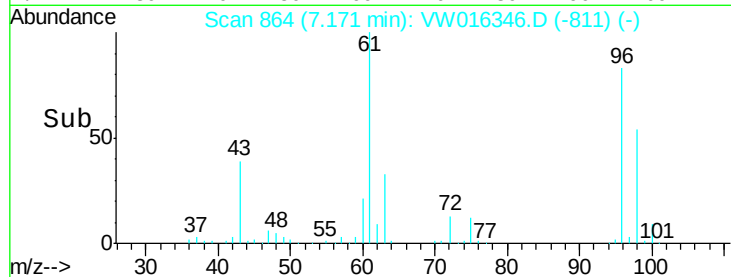
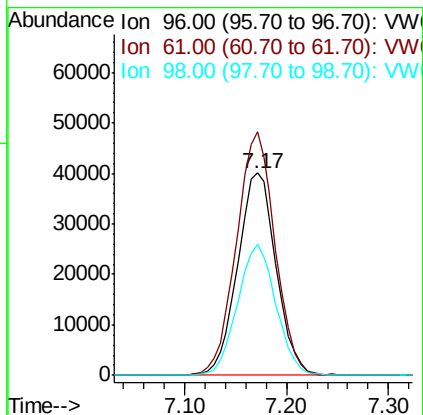
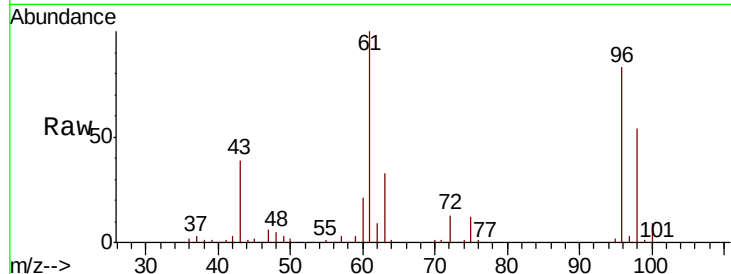


#22

cis-1,2-Dichloroethene
 Concen: 25.606 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02524

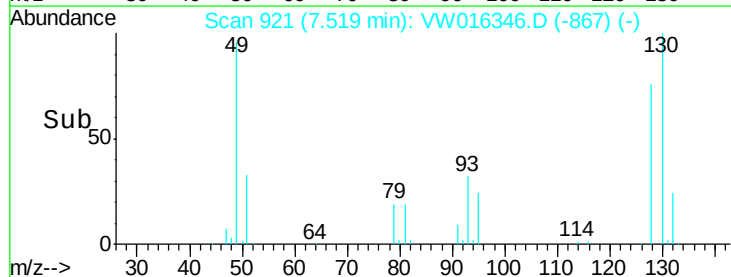
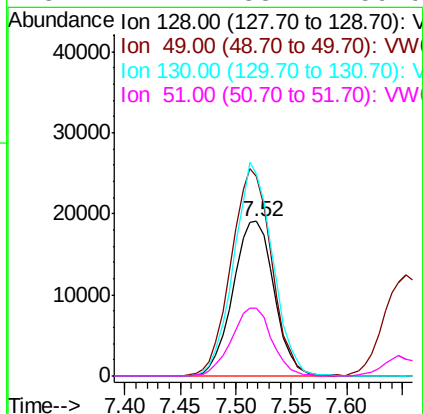
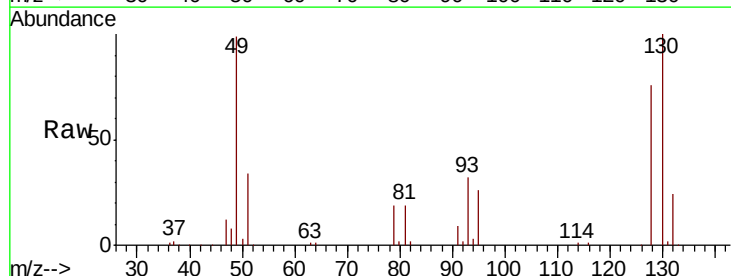
Tot Ion: 96 Resp: 105248
 Ion Ratio Lower Upper
 96 100
 61 120.5 84.9 157.7
 98 64.6 46.8 86.8

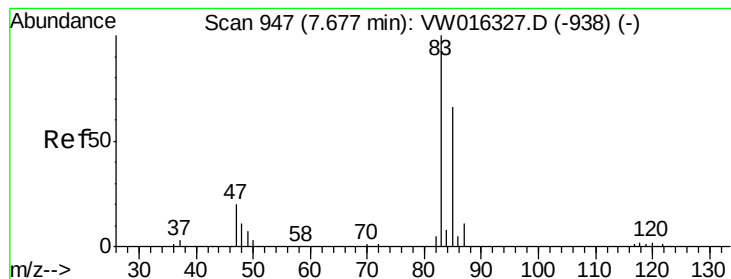


#23

Bromochloromethane
 Concen: 26.052 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Tgt Ion: 128 Resp: 49116
 Ion Ratio Lower Upper
 128 100
 49 129.0 94.5 175.5
 130 130.7 83.0 154.1
 51 44.1 33.4 50.0





#25

Chloroform

Concen: 25.659 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampleId :

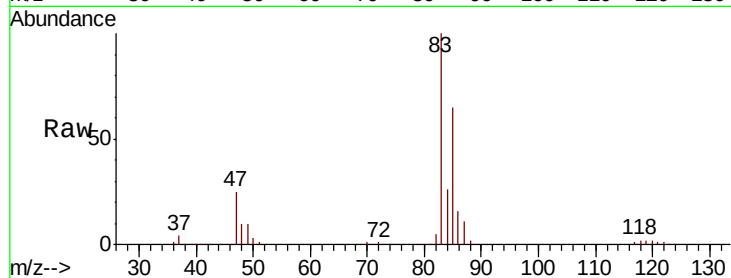
VSTD02524

Tot Ion: 83 Resp: 177944

Ion Ratio Lower Upper

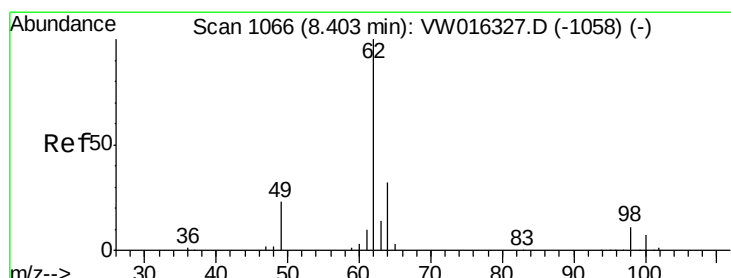
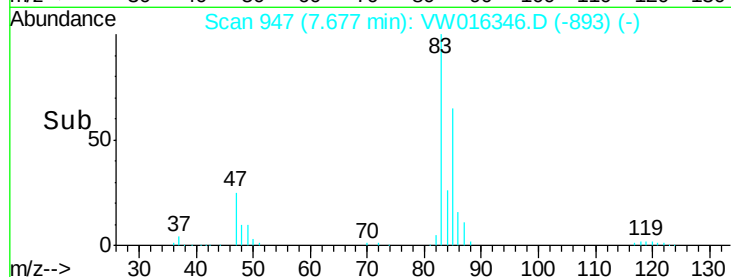
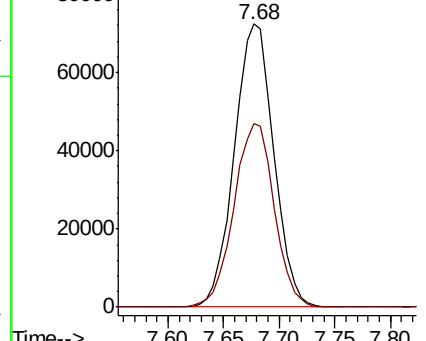
83 100

85 66.3 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 25.989 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016346.D

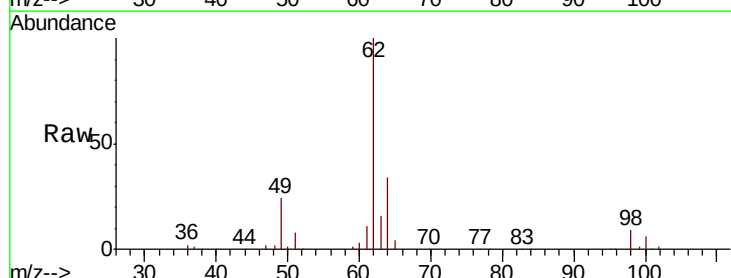
Acq: 24 Aug 2020 21:26

Tgt Ion: 62 Resp: 112883

Ion Ratio Lower Upper

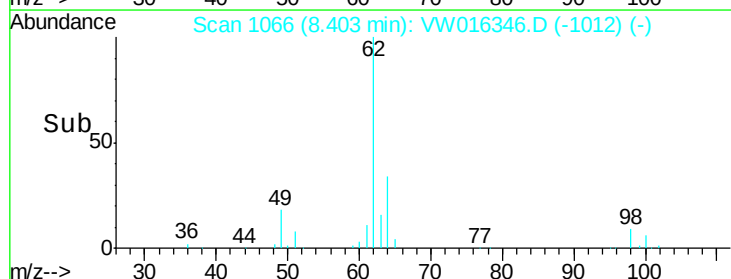
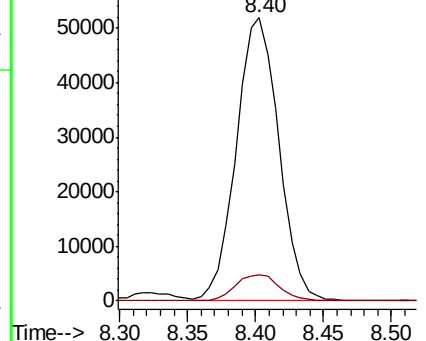
62 100

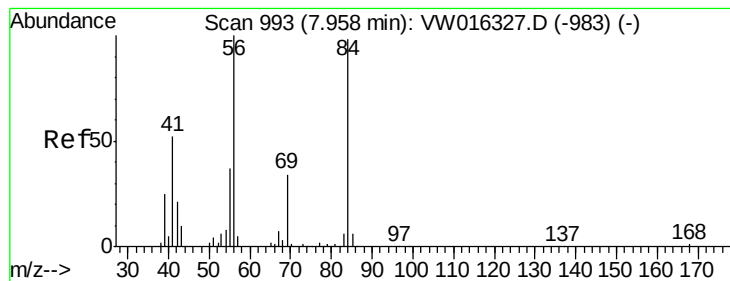
98 9.3 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 23.402 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

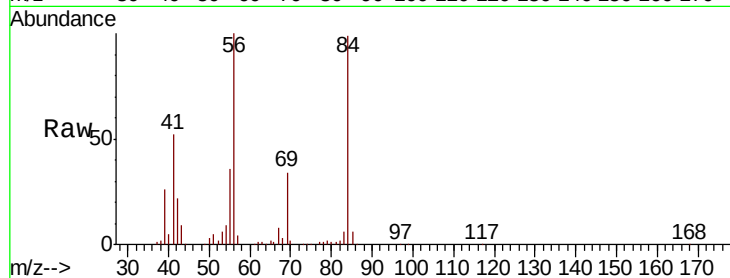
Tot Ion: 56 Resp: 134967

Ion Ratio Lower Upper

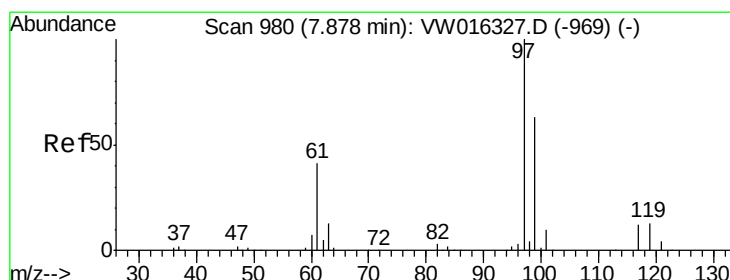
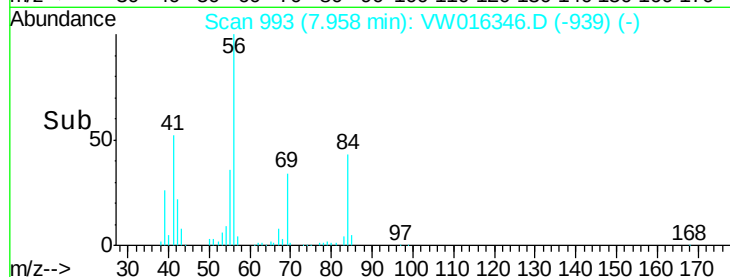
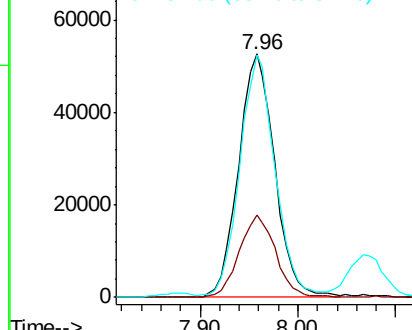
56 100

69 34.0 26.6 40.0

84 97.2 78.4 117.6



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: 23.914 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

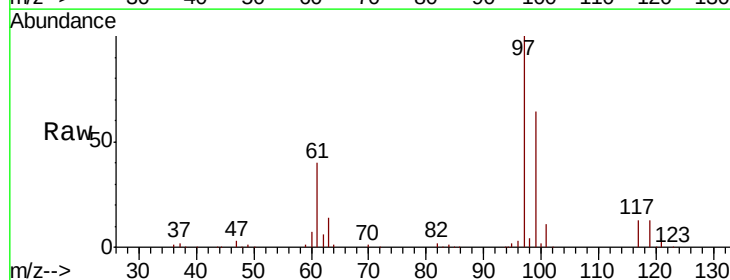
Tgt Ion: 97 Resp: 153475

Ion Ratio Lower Upper

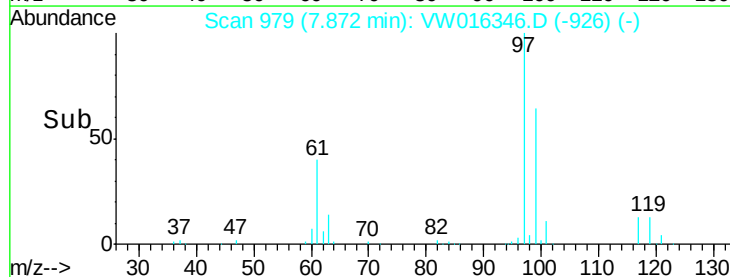
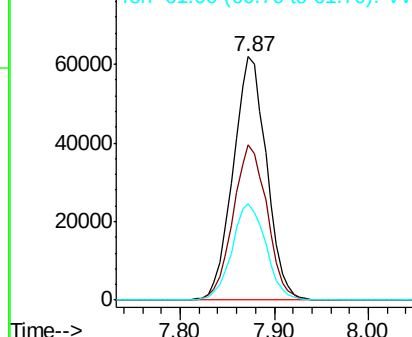
97 100

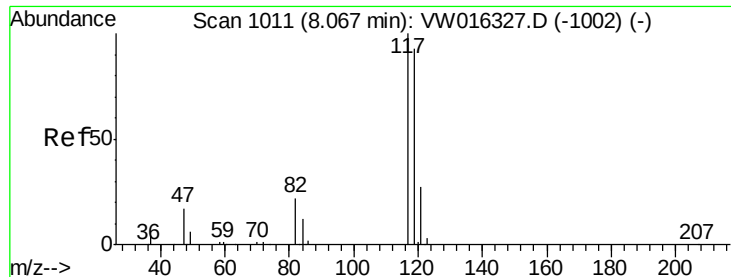
99 64.6 51.5 77.3

61 40.2 32.0 48.0



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





#32

Carbon tetrachloride

Concen: 24.035 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampleId :

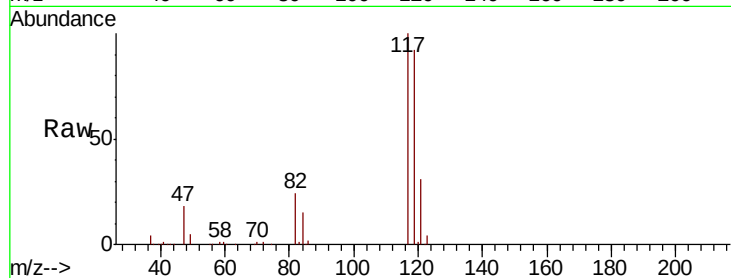
VSTD02524

Tot Ion:117 Resp: 146469

Ion Ratio Lower Upper

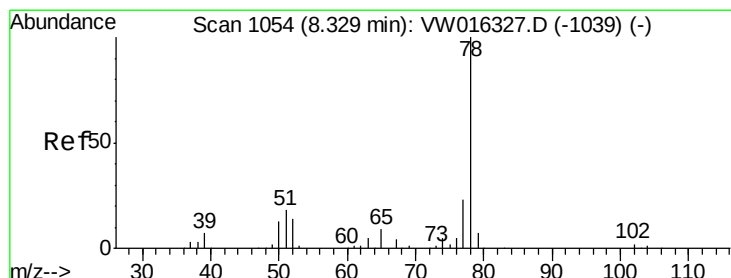
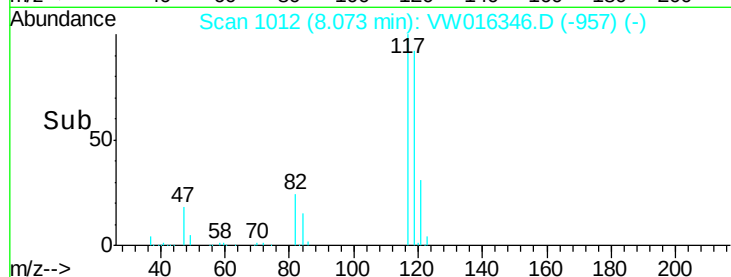
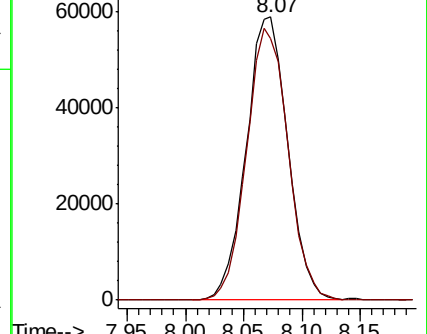
117 100

119 95.9 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.751 ug/L

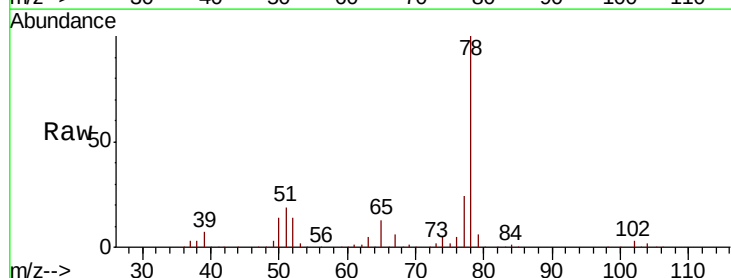
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Tgt Ion: 78 Resp: 378829



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

150000

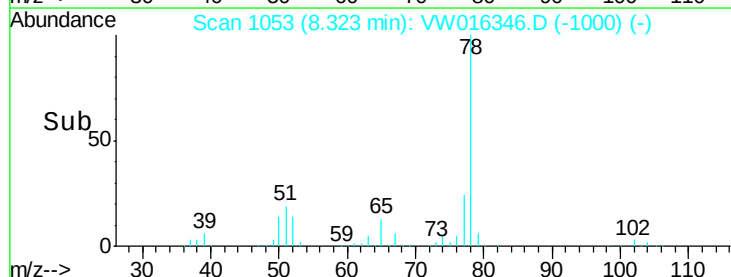
100000

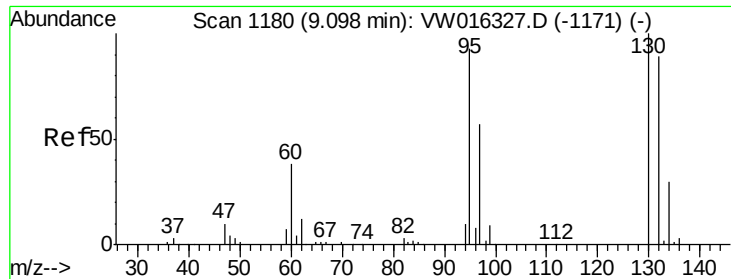
50000

0

8.32

Time-->

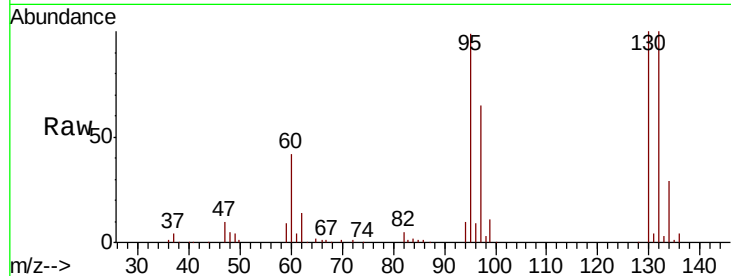




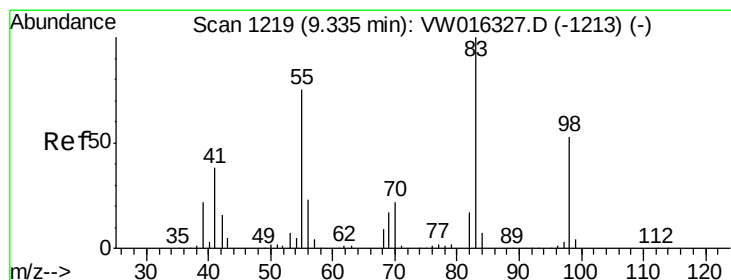
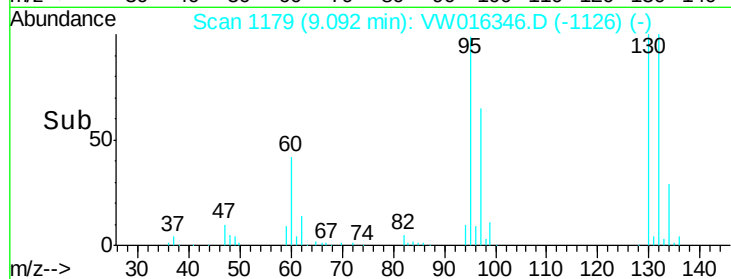
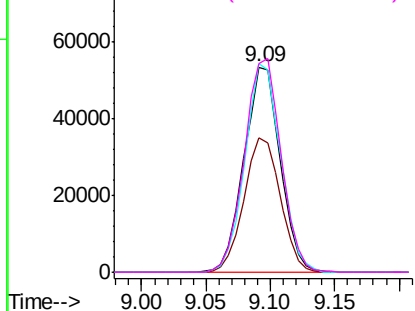
#35
 Trichloroethene
 Concen: 23.864 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02524

Tot Ion: 95 Resp: 103416
 Ion Ratio Lower Upper
 95 100
 97 66.0 44.9 83.5
 132 100.4 68.2 126.6
 130 105.5 71.5 132.9

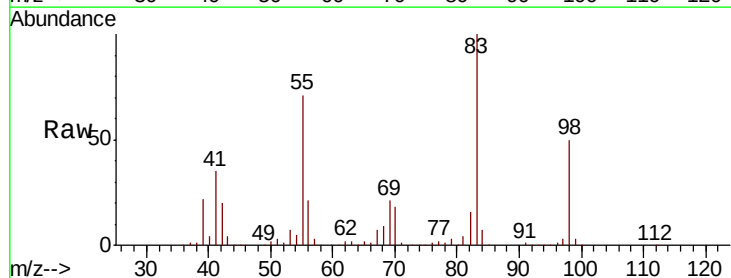


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

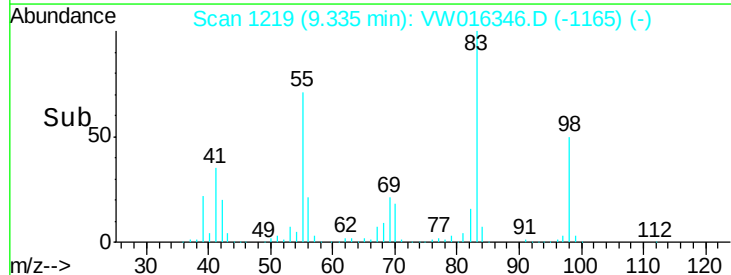
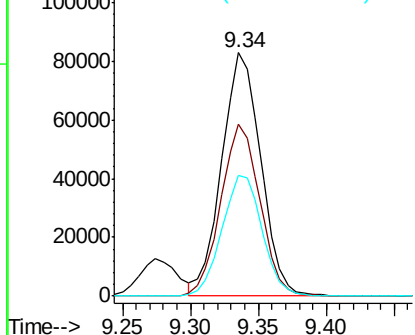


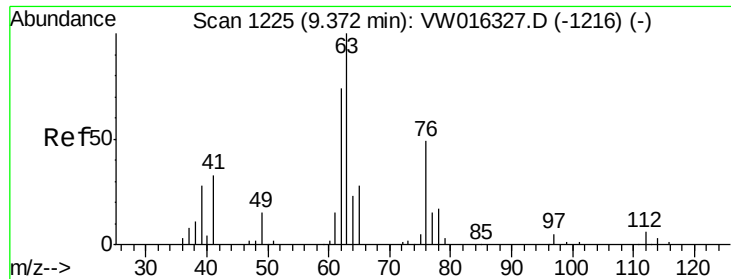
#36
 Methylcyclohexane
 Concen: 23.432 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Tgt Ion: 83 Resp: 165767
 Ion Ratio Lower Upper
 83 100
 55 70.7 55.6 83.4
 98 51.2 40.6 61.0



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

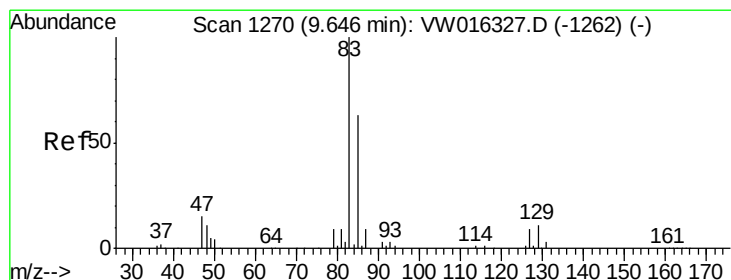
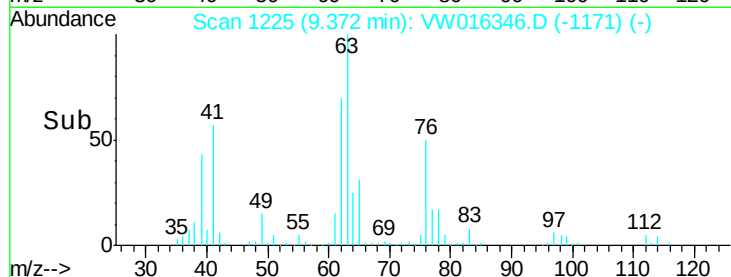
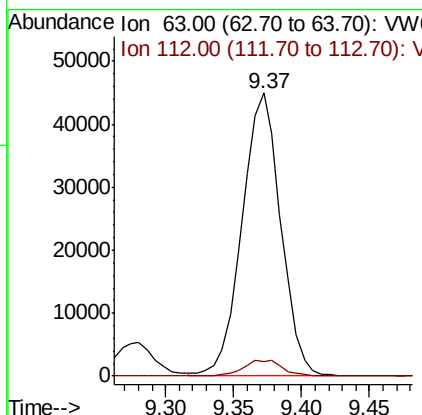
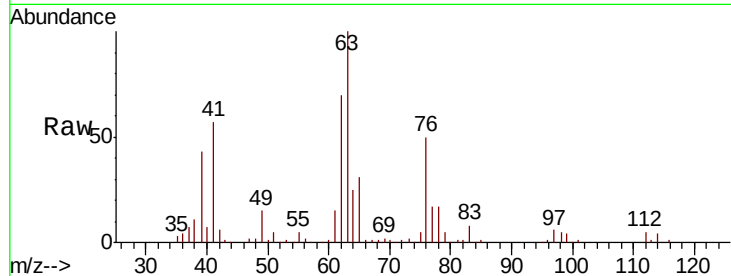




#40
 1,2-Dichloropropane
 Concen: 24.865 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

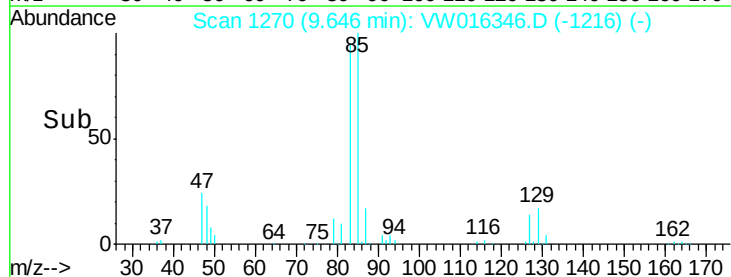
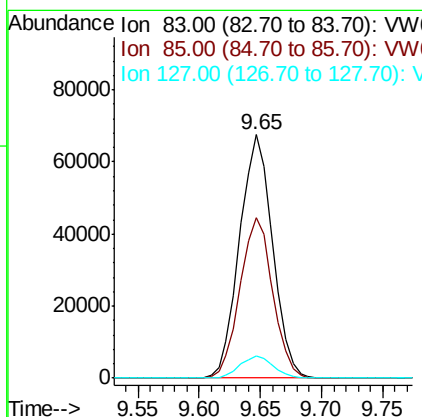
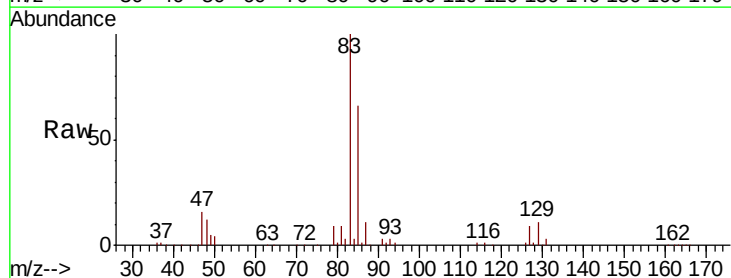
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

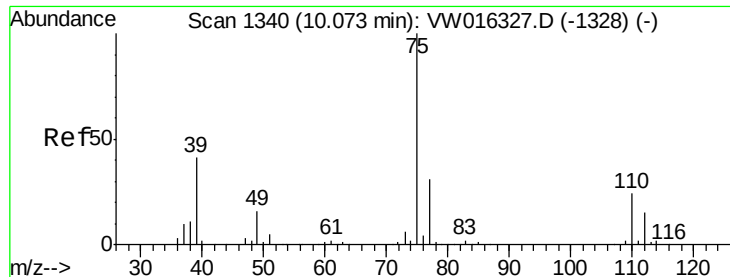
Tot Ion: 63 Resp: 89500
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.4 6.6



#41
 Bromodichloromethane
 Concen: 24.904 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Tgt Ion: 83 Resp: 126983
 Ion Ratio Lower Upper
 83 100
 85 65.9 44.7 83.1
 127 9.1 7.0 10.4

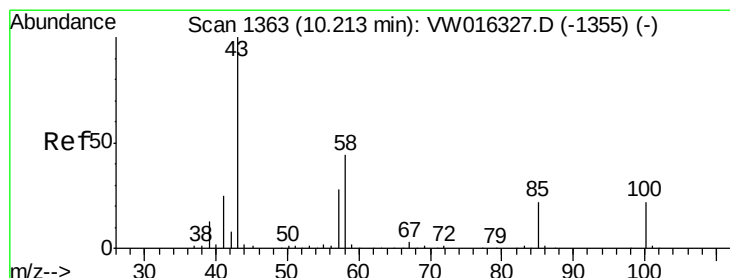
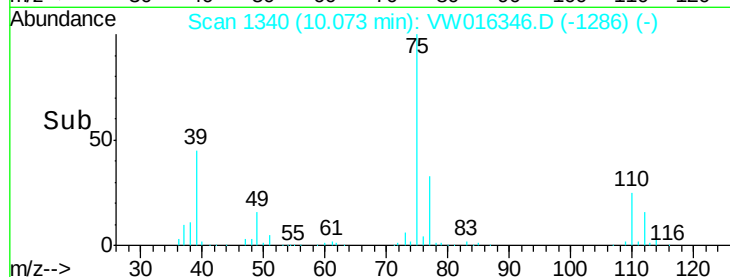
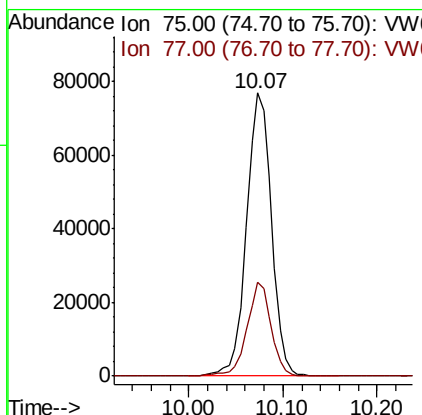
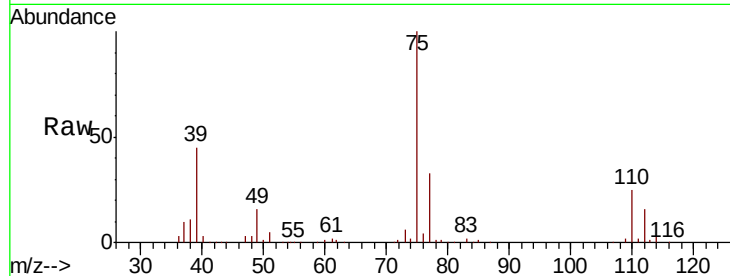




#42
 cis-1,3-Dichloropropene
 Concen: 24.338 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

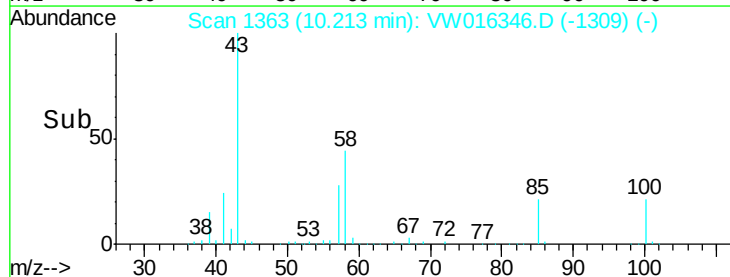
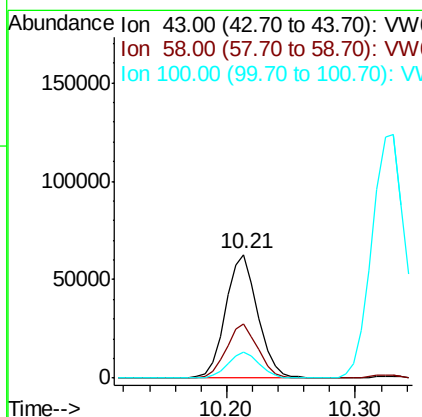
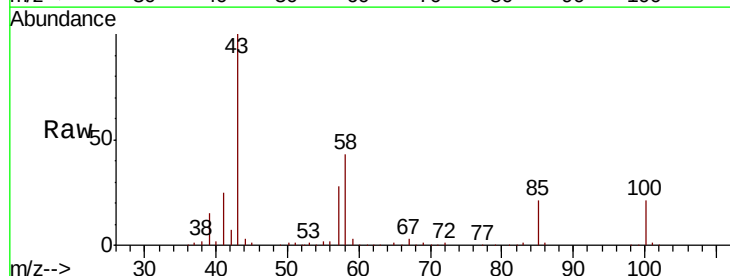
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

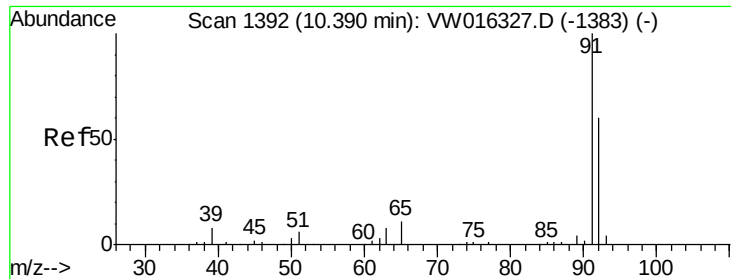
Tot Ion: 75 Resp: 143435
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.0 40.8



#43
 4-Methyl-2-pentanone
 Concen: 50.499 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Tgt Ion: 43 Resp: 108682
 Ion Ratio Lower Upper
 43 100
 58 43.2 34.9 52.3
 100 20.7 15.9 23.9





#44

Toluene

Concen: 25.459 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampleId :

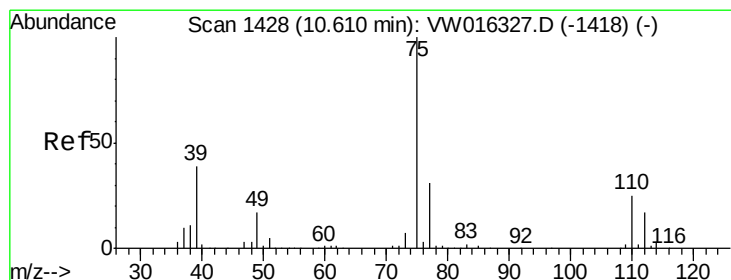
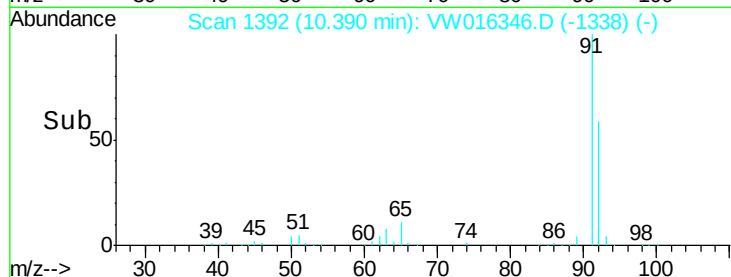
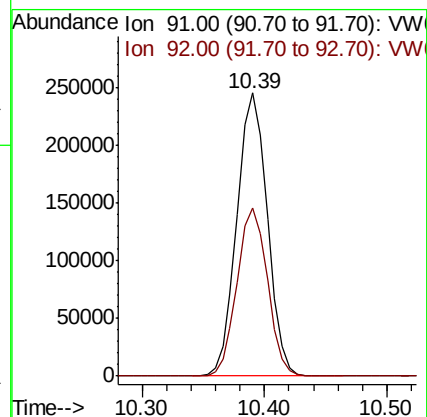
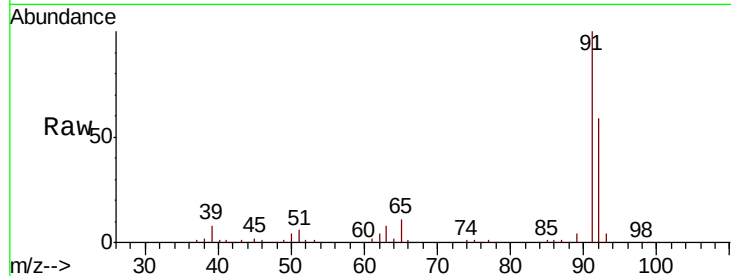
VSTD02524

Tot Ion: 91 Resp: 424348

Ion Ratio Lower Upper

91 100

92 59.2 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 24.911 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016346.D

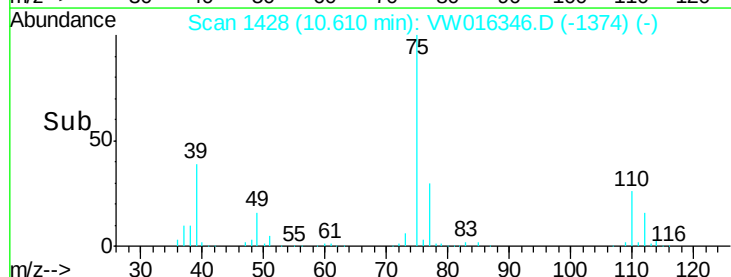
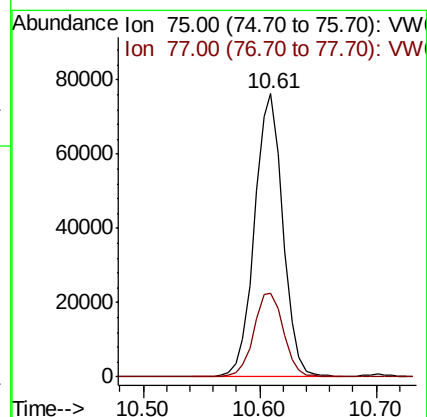
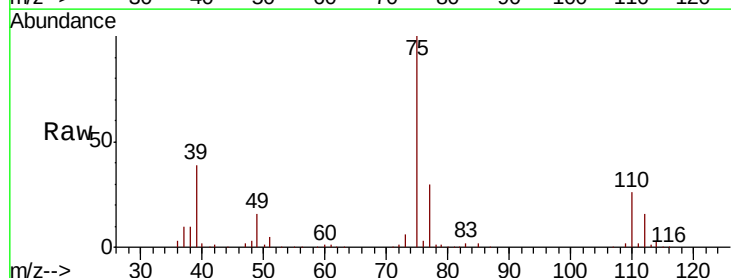
Acq: 24 Aug 2020 21:26

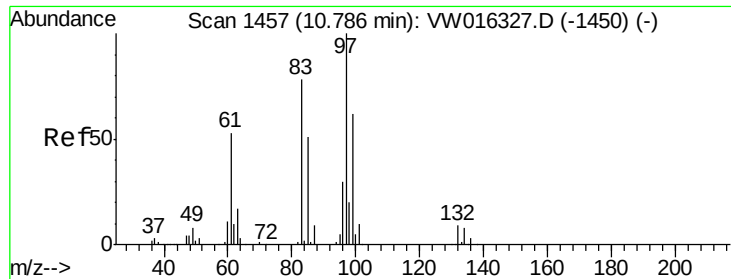
Tgt Ion: 75 Resp: 129805

Ion Ratio Lower Upper

75 100

77 29.6 21.3 39.5

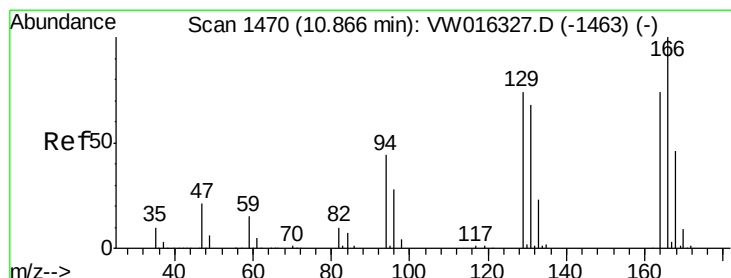
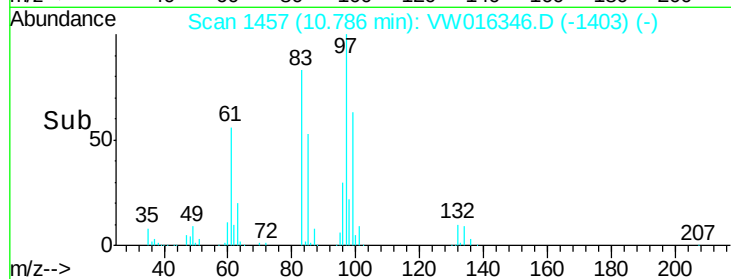
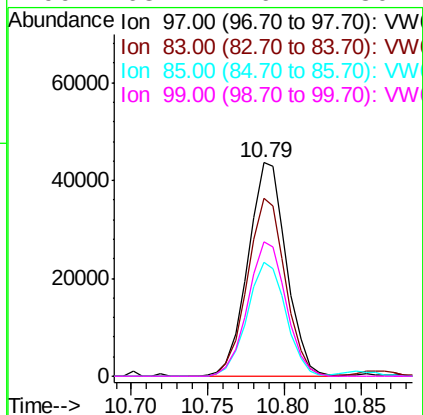
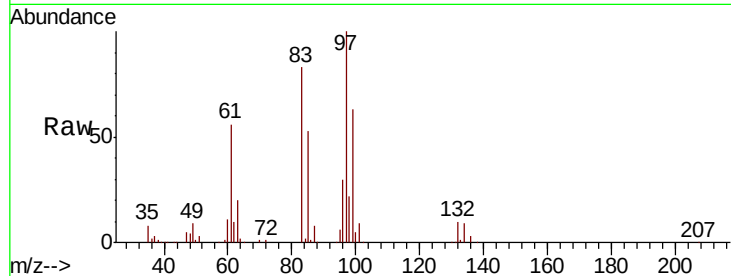




#46
 1,1,2-Trichloroethane
 Concen: 25.622 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

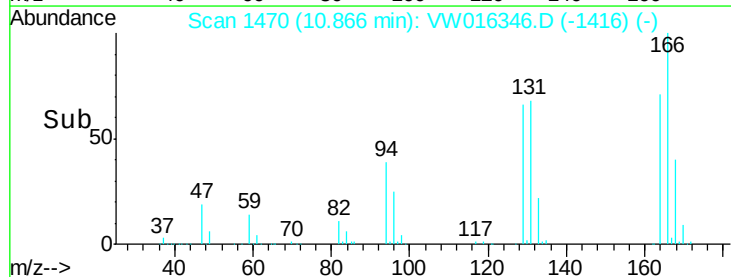
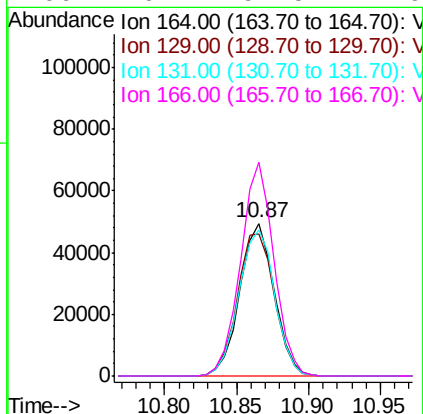
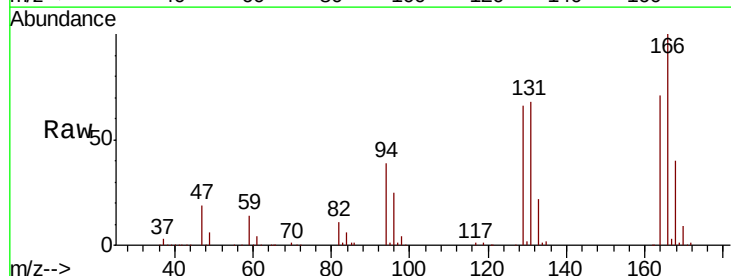
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

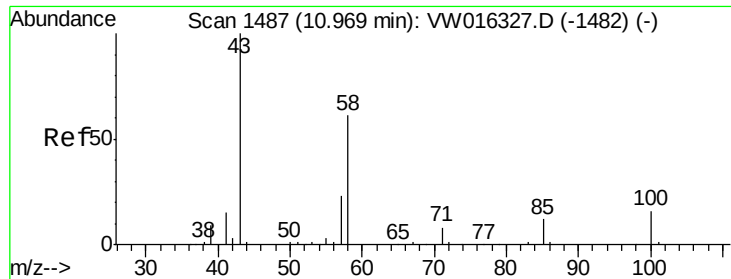
Tot Ion:	97	Resp:	76123
Ion	Ratio	Lower	Upper
97	100		
83	83.3	57.9	107.5
85	53.1	38.8	72.0
99	63.1	46.4	86.2



#47
 Tetrachloroethene
 Concen: 24.141 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Tgt Ion:	164	Resp:	82499
Ion	Ratio	Lower	Upper
164	100		
129	92.9	71.5	132.7
131	95.5	67.4	125.2
166	140.1	92.5	171.9





#49

2-Hexanone

Concen: 51.781 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tot Ion: 43 Resp: 72194

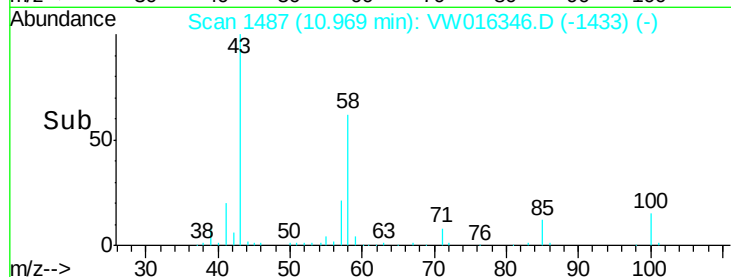
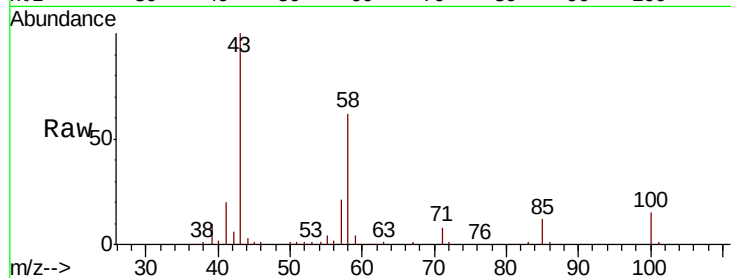
Ion Ratio Lower Upper

43 100

58 61.5 49.5 74.3

57 22.6 17.7 26.5

100 16.3 12.9 19.3

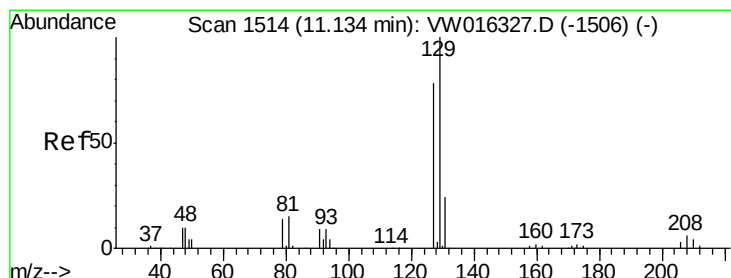
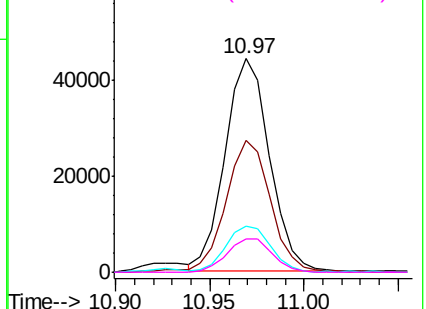


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.000 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016346.D

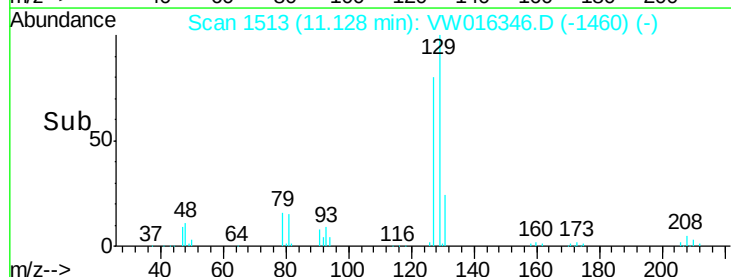
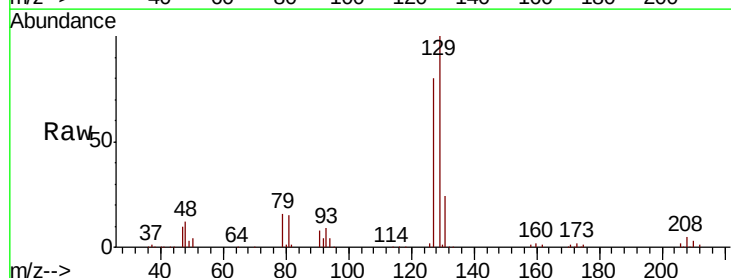
Acq: 24 Aug 2020 21:26

Tgt Ion: 129 Resp: 92503

Ion Ratio Lower Upper

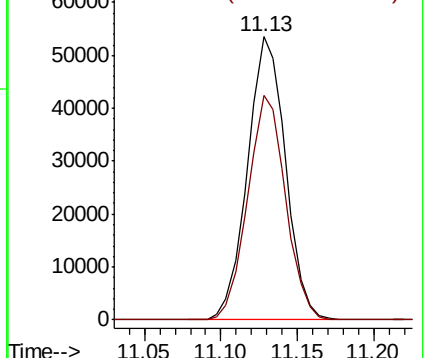
129 100

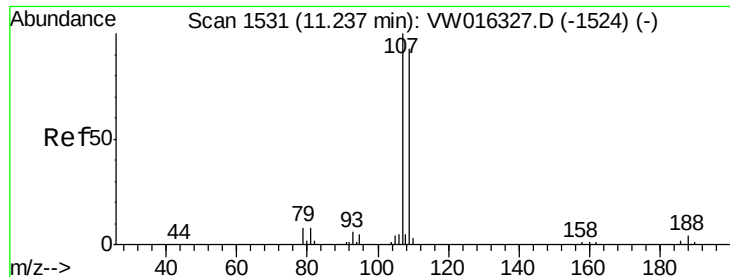
127 79.5 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

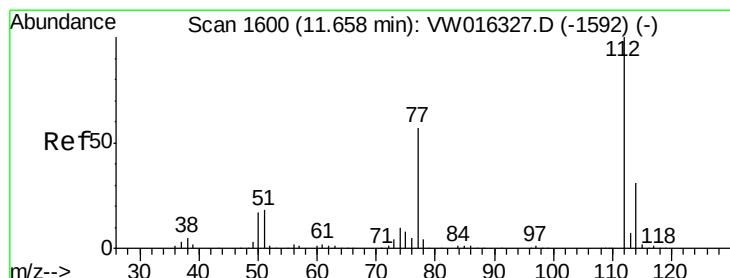
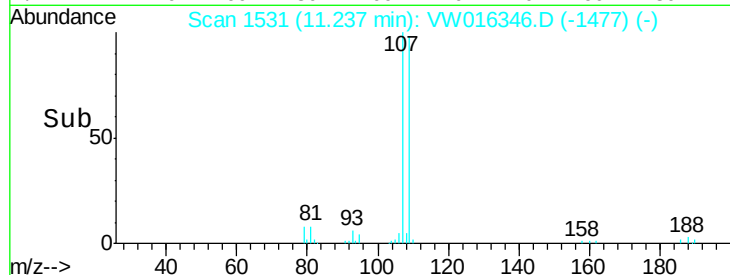
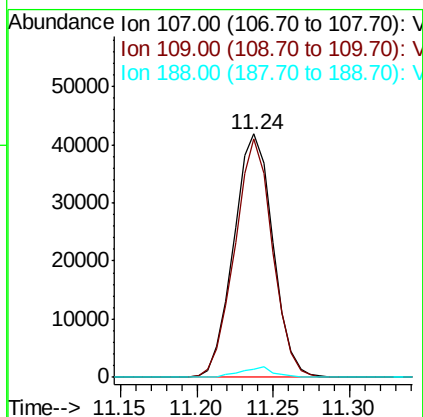
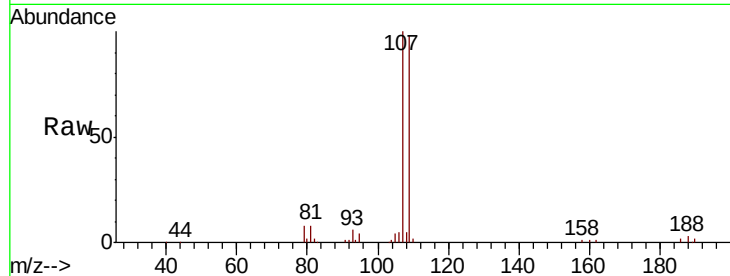




#51
1,2-Dibromoethane
Concen: 25.572 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016346.D
Acq: 24 Aug 2020 21:26

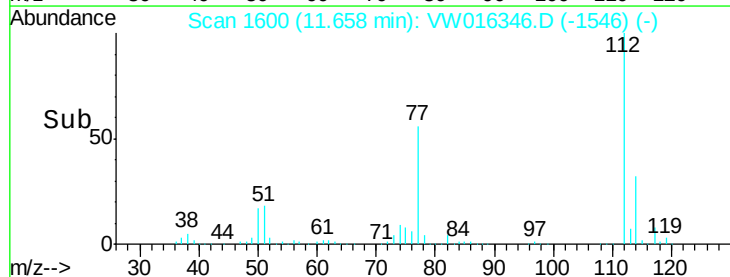
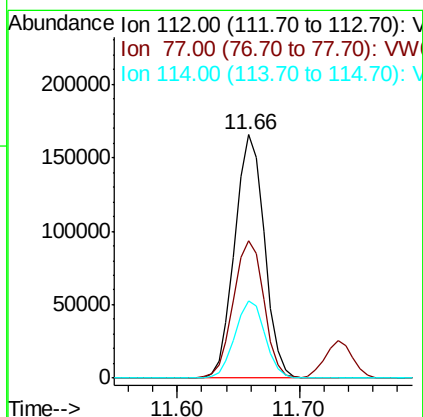
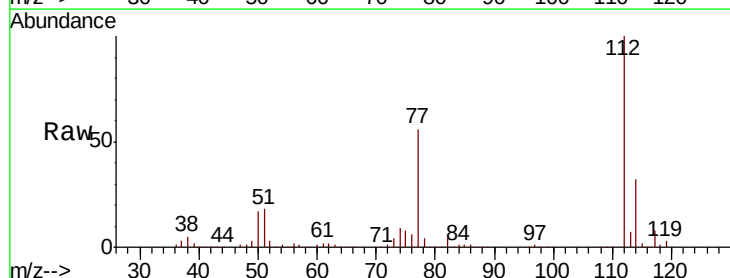
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

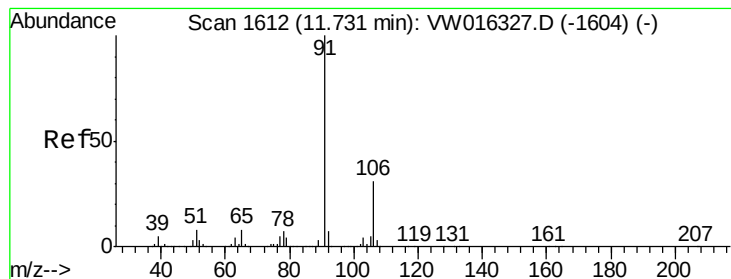
Tot Ion:107 Resp: 74365
Ion Ratio Lower Upper
107 100
109 97.7 65.7 121.9
188 3.3 3.3 4.9#



#52
Chlorobenzene
Concen: 25.010 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016346.D
Acq: 24 Aug 2020 21:26

Tgt Ion:112 Resp: 278425
Ion Ratio Lower Upper
112 100
77 56.2 46.9 70.3
114 31.9 23.3 43.3





#53

Ethylbenzene

Concen: 25.305 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampleId :

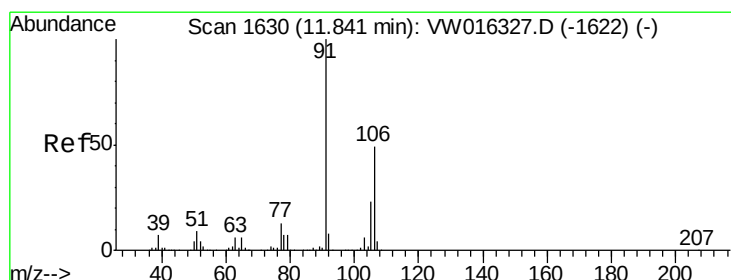
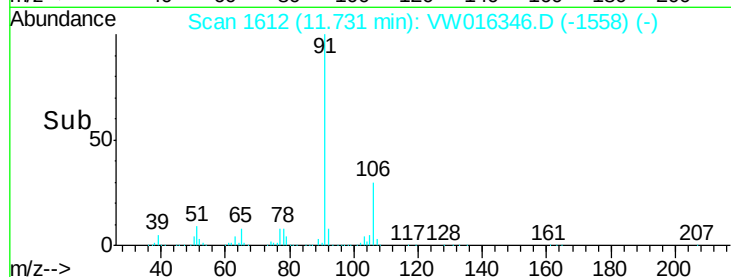
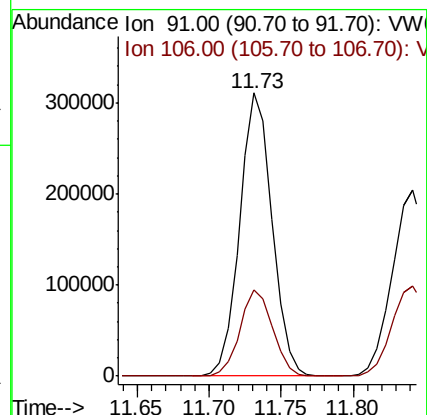
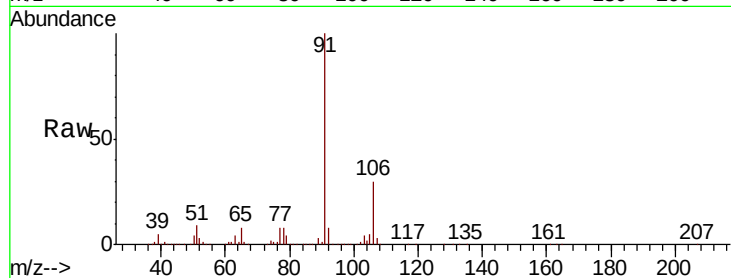
VSTD02524

Tot Ion: 91 Resp: 484887

Ion Ratio Lower Upper

91 100

106 30.4 22.0 41.0



#54

m,p-Xylene

Concen: 25.205 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016346.D

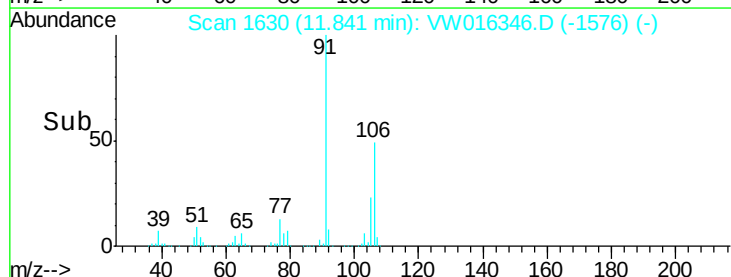
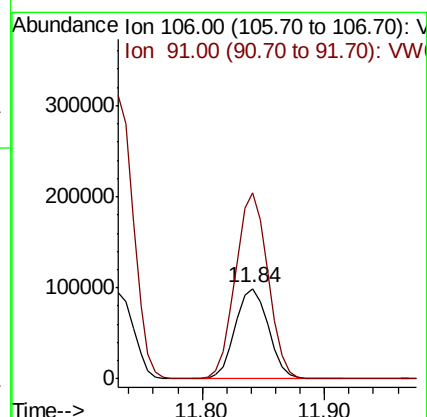
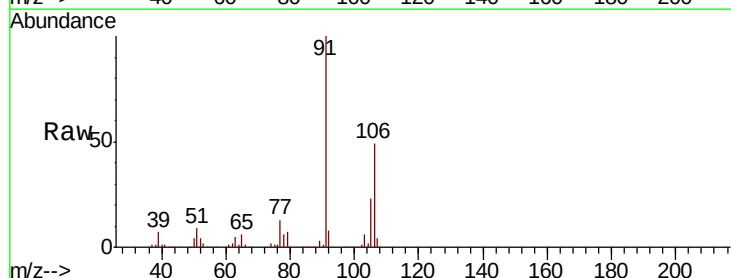
Acq: 24 Aug 2020 21:26

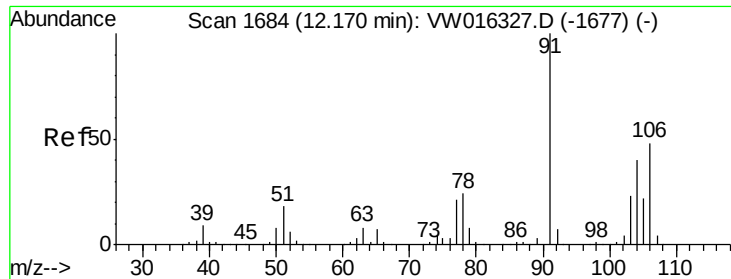
Tgt Ion: 106 Resp: 185610

Ion Ratio Lower Upper

106 100

91 205.5 138.8 257.8

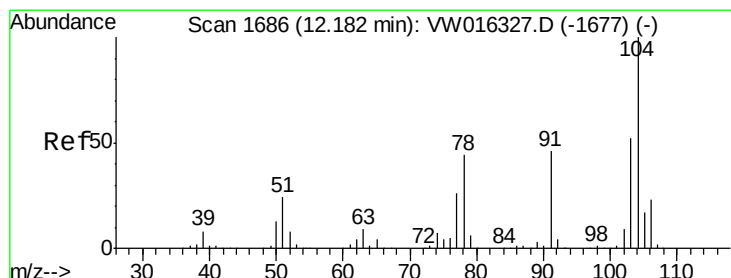
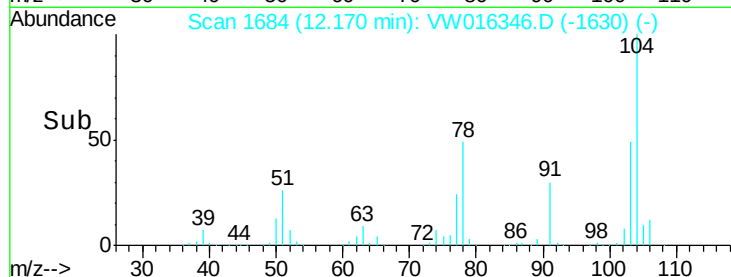
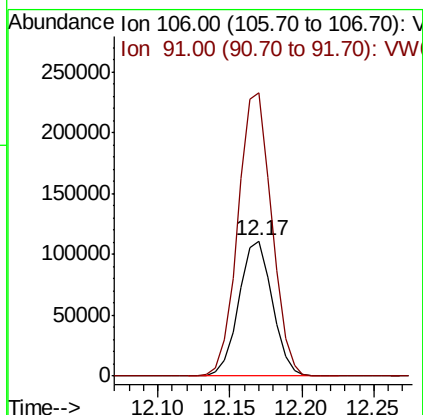
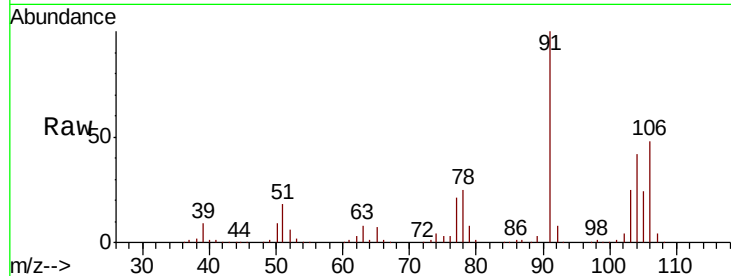




#55
o-xylene
Concen: 25.837 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016346.D
Acq: 24 Aug 2020 21:26

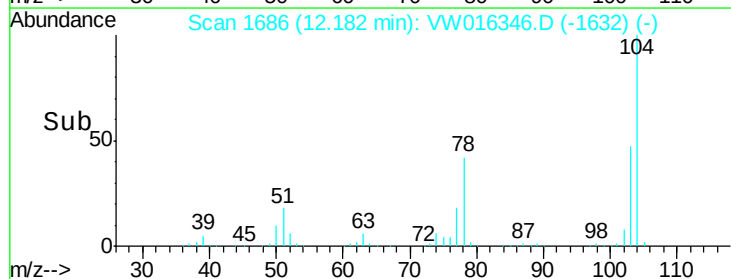
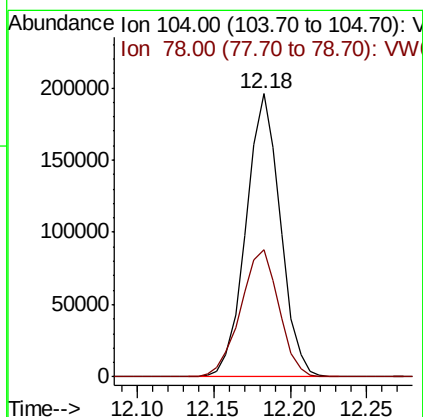
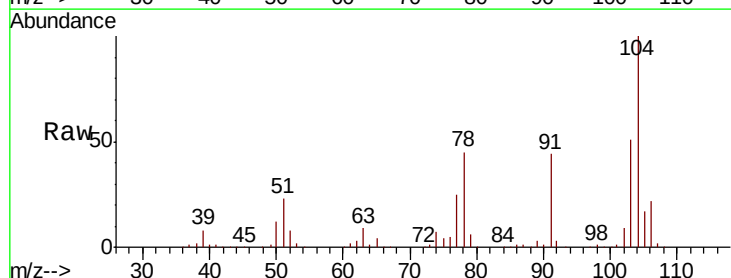
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

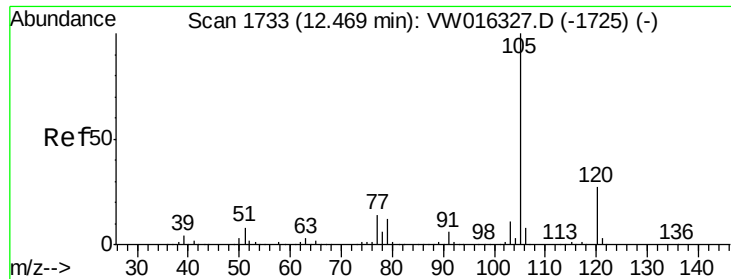
Tot Ion:106 Resp: 178751
Ion Ratio Lower Upper
106 100
91 209.8 151.3 281.1



#56
Styrene
Concen: 26.271 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016346.D
Acq: 24 Aug 2020 21:26

Tgt Ion:104 Resp: 305827
Ion Ratio Lower Upper
104 100
78 45.0 30.9 57.5





#57

Isopropylbenzene

Concen: 25.188 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampled :

VSTD02524

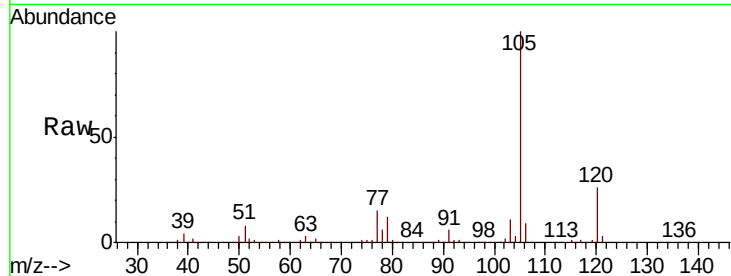
Tot Ion:105 Resp: 485094

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

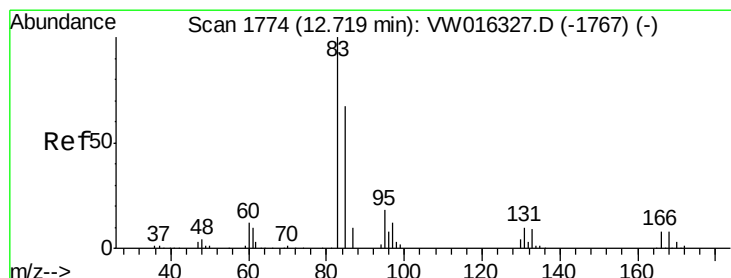
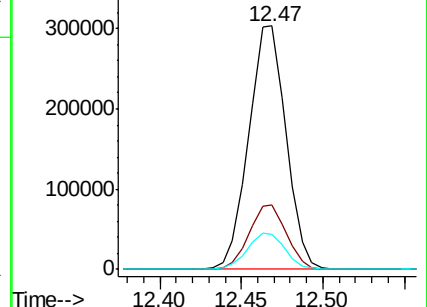
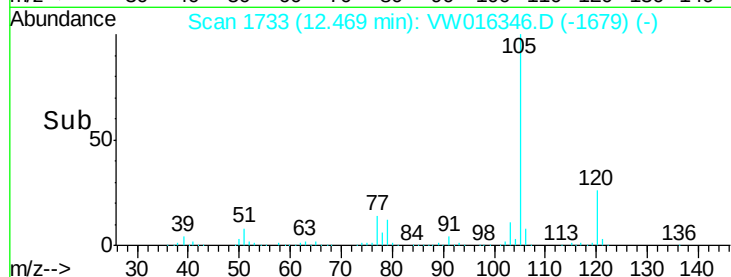
77 14.9 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.670 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

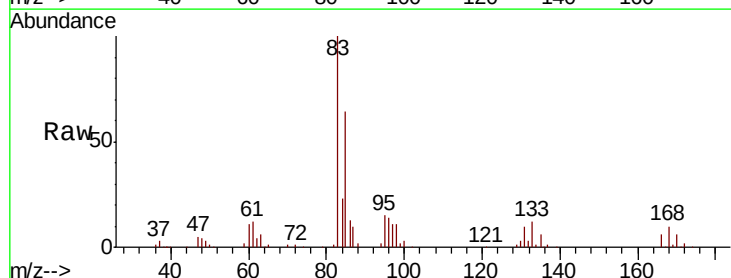
Tgt Ion: 83 Resp: 88992

Ion Ratio Lower Upper

83 100

85 64.3 46.0 85.4

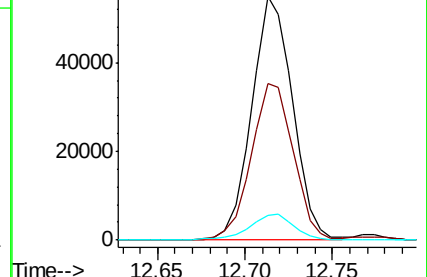
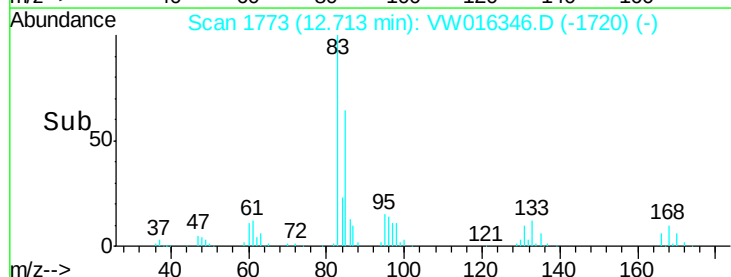
131 10.1 8.8 13.2

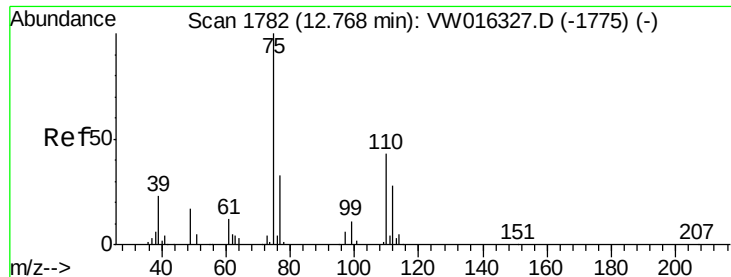


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.478 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampleId :

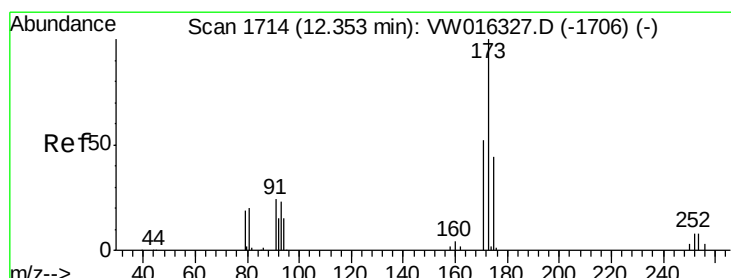
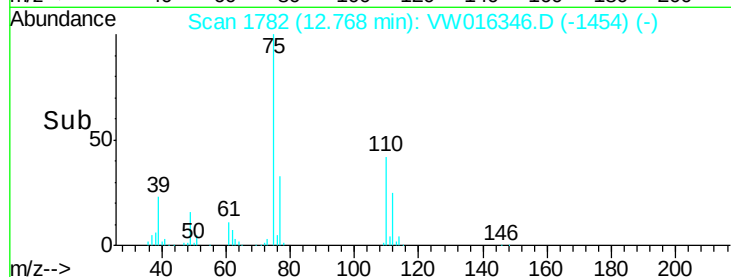
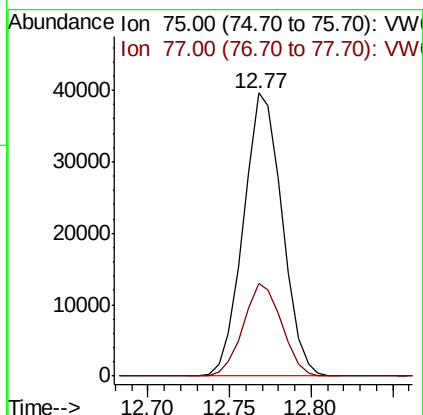
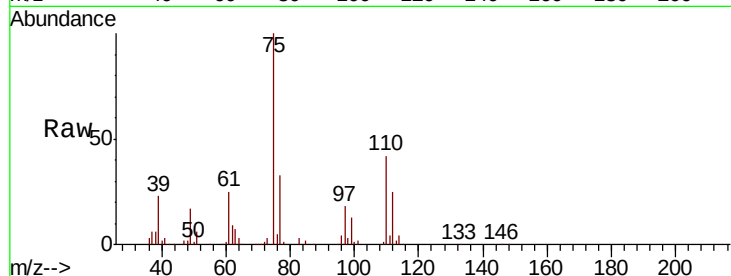
VSTD02524

Tot Ion: 75 Resp: 65416

Ion Ratio Lower Upper

75 100

77 32.6 27.1 40.7



#62

Bromoform

Concen: 25.432 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

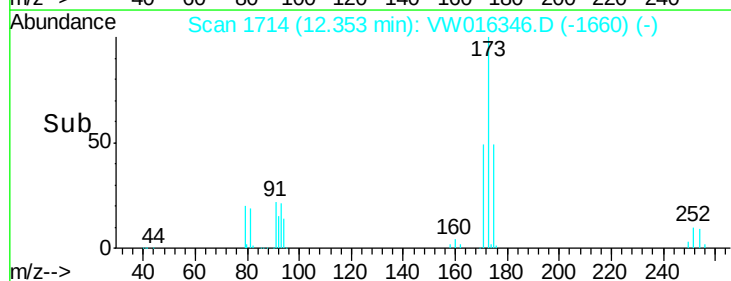
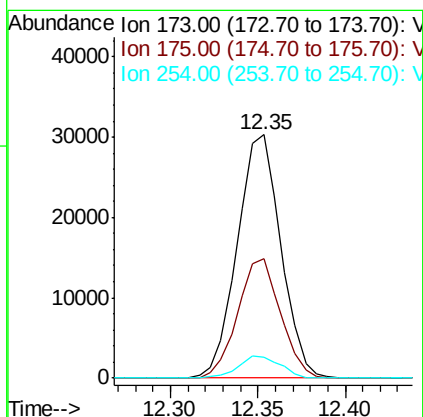
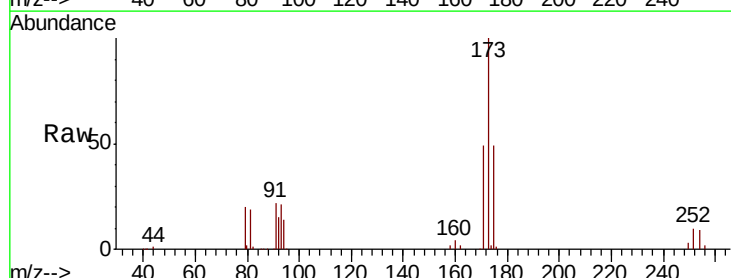
Tgt Ion: 173 Resp: 52678

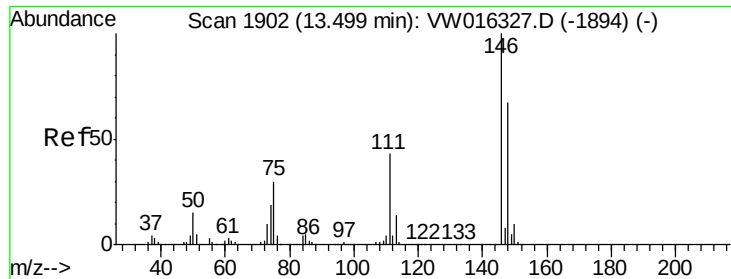
Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.4

254 8.8 6.9 10.3

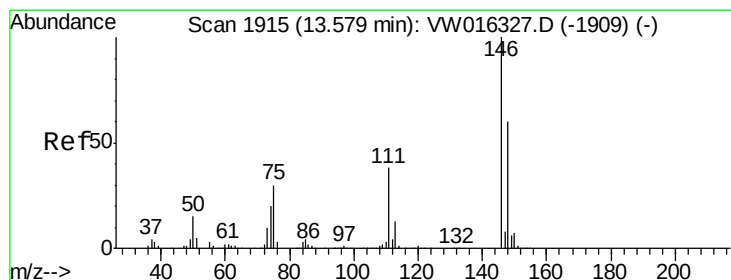
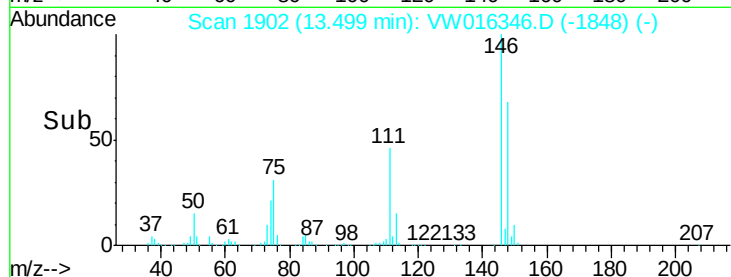
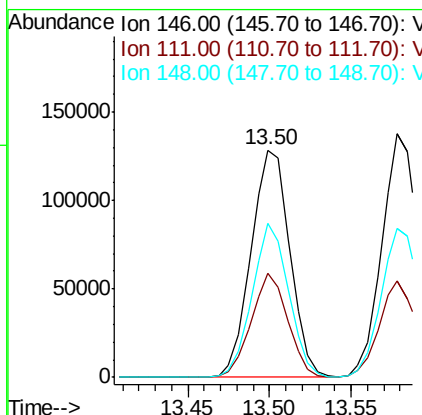
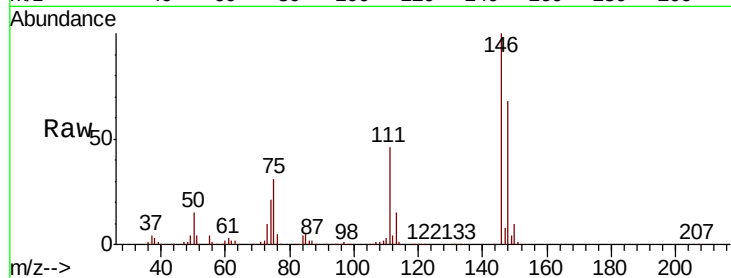




#63
 1,3-Dichlorobenzene
 Concen: 24.825 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

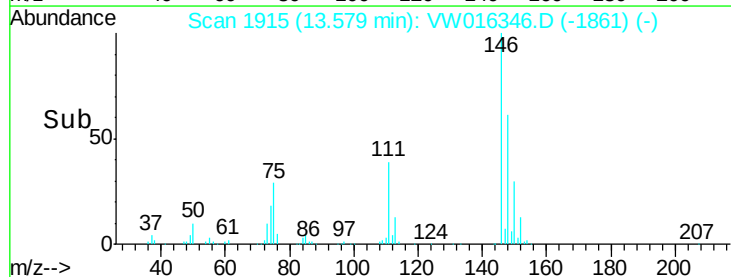
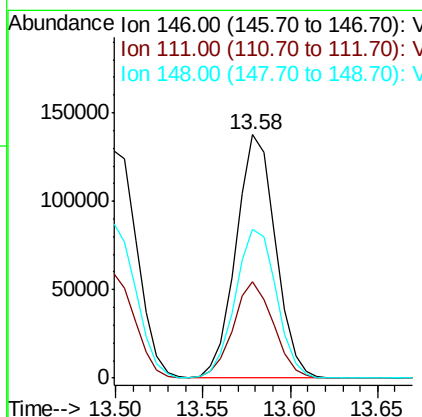
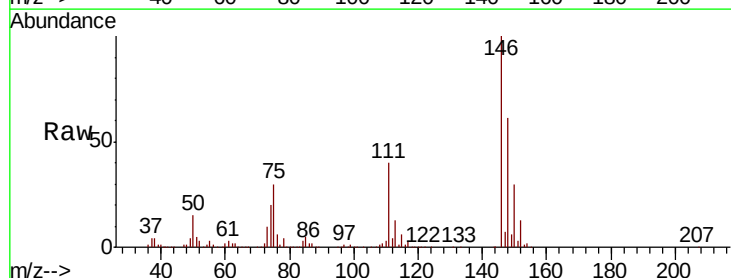
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02524

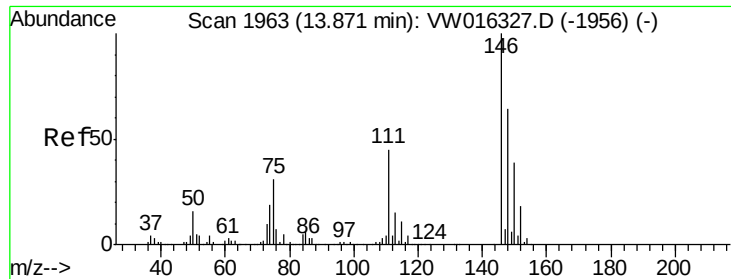
Tot Ion:146 Resp: 213229
 Ion Ratio Lower Upper
 146 100
 111 45.8 30.2 56.2
 148 67.7 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 24.906 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Tgt Ion:146 Resp: 216714
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.0 52.0
 148 61.2 41.4 76.8

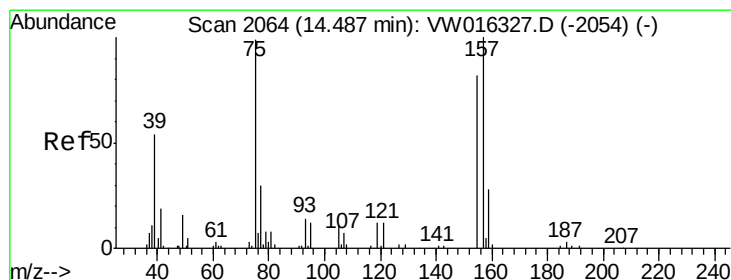
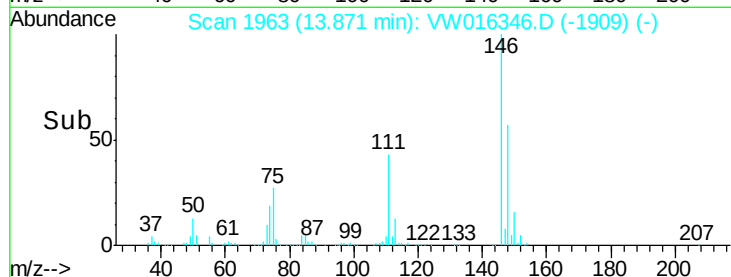
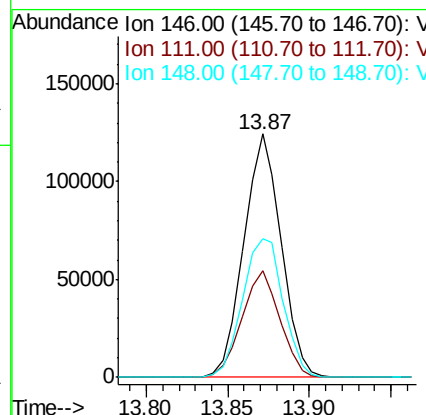
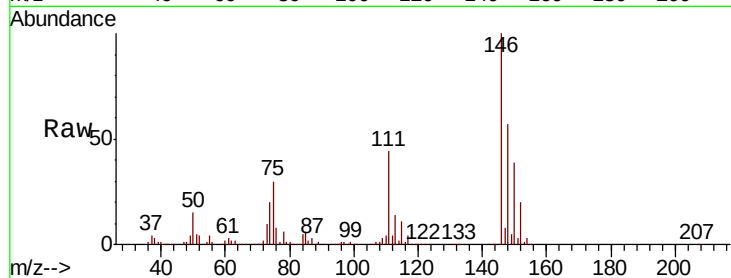




#65
 1,2-Dichlorobenzene
 Concen: 25.844 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

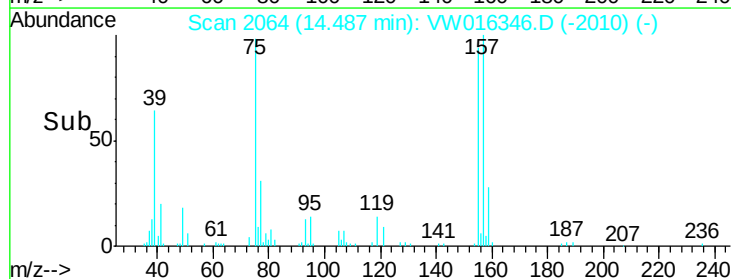
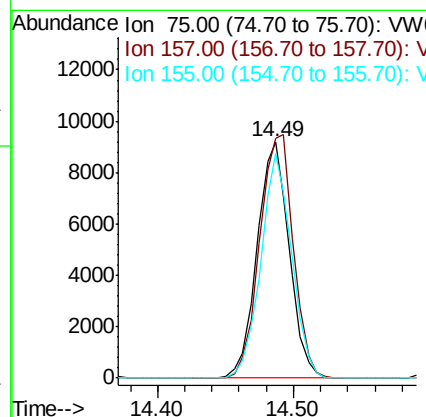
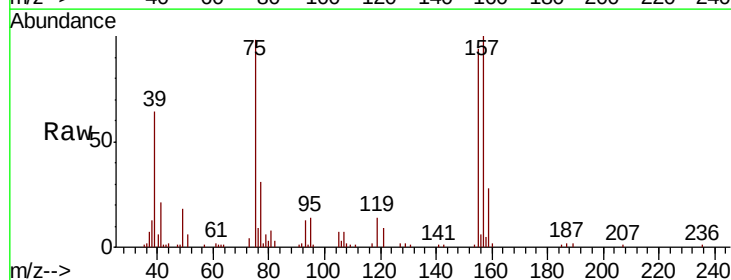
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

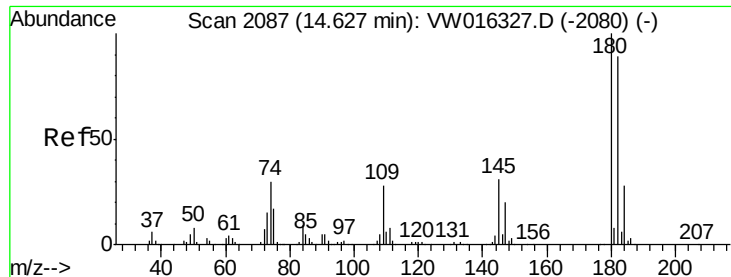
Tot Ion:146 Resp: 198213
 Ion Ratio Lower Upper
 146 100
 111 43.8 36.9 55.3
 148 57.1 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.157 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Tgt Ion: 75 Resp: 15167
 Ion Ratio Lower Upper
 75 100
 157 101.7 82.2 123.4
 155 95.4 66.8 100.2

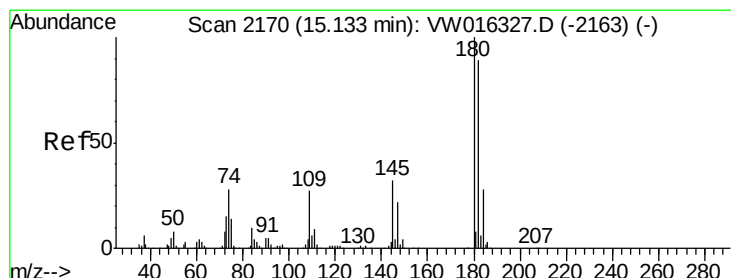
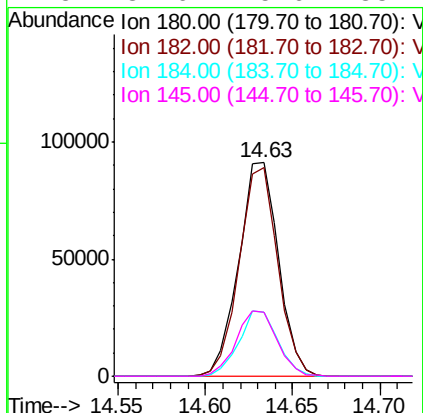
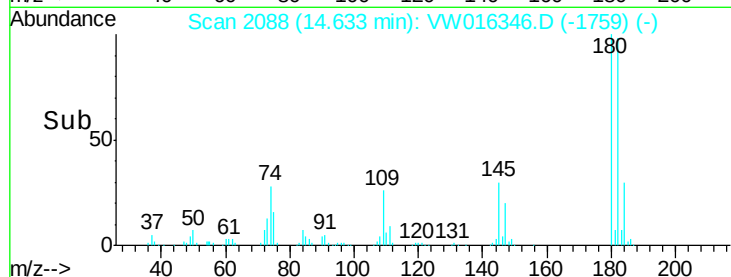
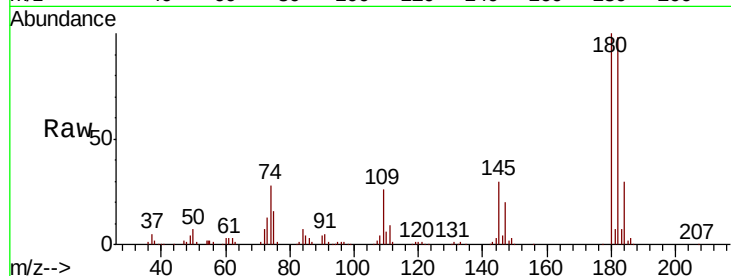




#67
 1,3,5-Trichlorobenzene
 Concen: 24.331 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

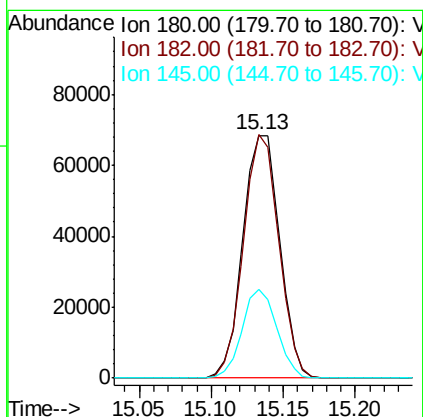
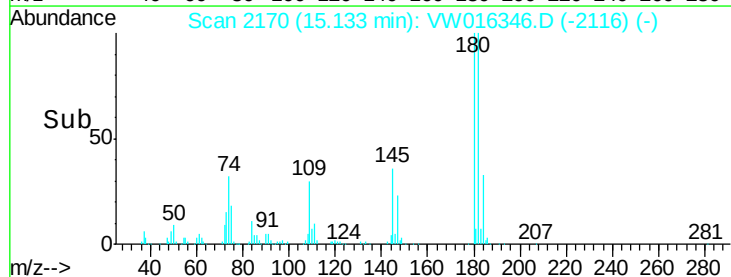
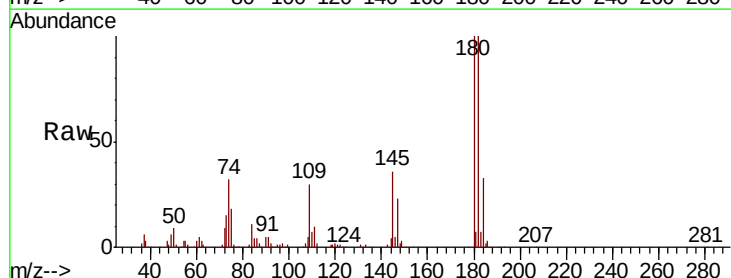
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

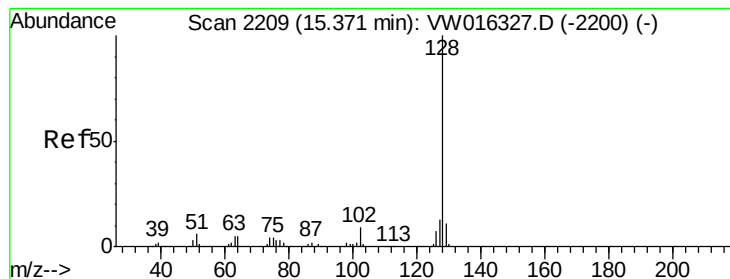
Tot Ion:180	Resp:	144215
Ion Ratio	Lower	Upper
180	100	
182	95.0	77.4 116.2
184	29.8	24.4 36.6
145	31.6	25.6 38.4



#68
 1,2,4-trichlorobenzene
 Concen: 25.723 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016346.D
 Acq: 24 Aug 2020 21:26

Tgt Ion:180	Resp:	121021
Ion Ratio	Lower	Upper
180	100	
182	96.2	76.5 114.7
145	34.4	26.0 39.0





#69

Naphthalene

Concen: 28.688 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

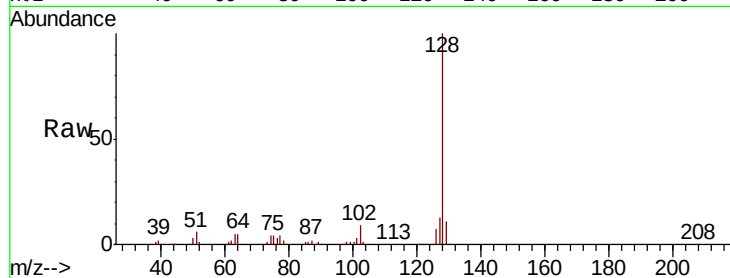
Tot Ion:128 Resp: 265130

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

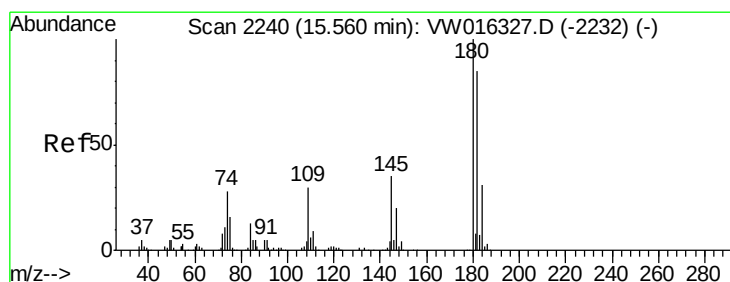
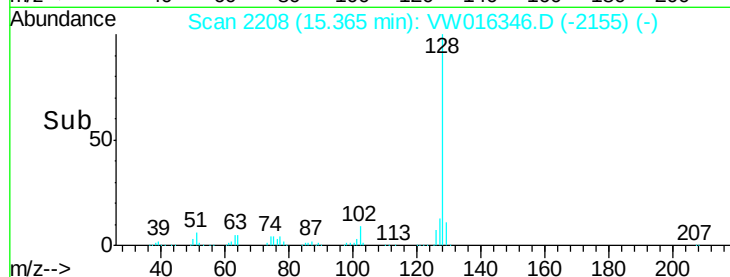
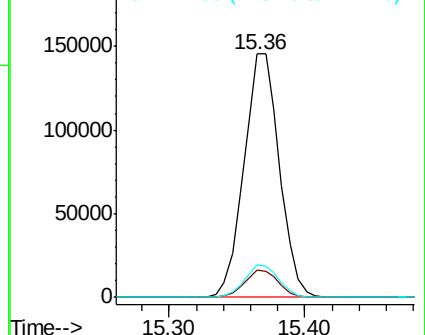
127 12.8 10.3 15.5



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: 26.141 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016346.D

Acq: 24 Aug 2020 21:26

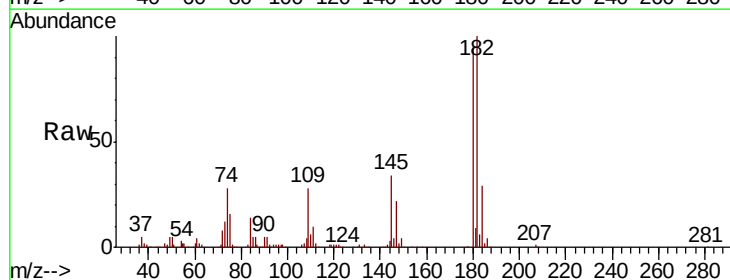
Tgt Ion:180 Resp: 108168

Ion Ratio Lower Upper

180 100

182 99.3 77.0 115.4

145 36.8 28.6 42.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

