

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082520\
 Data File : VW016348.D
 Acq On : 25 Aug 2020 08:46
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Aug 26 01:22:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 25 16:06:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	301360	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	281456	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	144504	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	71125	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.40%
7) Chloroethane-d5	2.89	69	57039	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
10) 1,1-Dichloroethene-d2	4.02	63	181196	23.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.84%
20) 2-Butanone-d5	7.08	46	47170	51.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.10%
24) Chloroform-d	7.65	84	197843	25.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.72%
26) 1,2-Dichloroethane-d4	8.31	65	104343	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.08%
29) Benzene-d6	8.27	84	376869	23.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.92%
33) 1,2-Dichloropropane-d6	9.27	67	105151	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.72%
37) Toluene-d8	10.33	98	363488	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.08%
38) trans-1,3-Dichloropropene-	10.58	79	52398	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.88%
39) 2-Hexanone-d5	10.93	63	36022	51.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97687	26.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	125488	22.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	77266	23.334	ug/L	95
3) Chloromethane	2.21	50	57179	22.116	ug/L	99
5) Vinyl chloride	2.37	62	85986	24.419	ug/L	100
6) Bromomethane	2.78	94	55907	24.286	ug/L	98
8) Chloroethane	2.93	64	49466	25.194	ug/L	97
9) Trichlorofluoromethane	3.26	101	92978	24.399	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	103388	24.856	ug/L	98
12) 1,1-Dichloroethene	4.04	96	100671	25.163	ug/L	95
13) Acetone	4.13	43	42878	56.461	ug/L	99
14) Carbon disulfide	4.39	76	289340	24.393	ug/L	99
15) Methyl Acetate	4.67	43	40652	26.605	ug/L	97
16) Methylene chloride	4.92	84	107137	19.231	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	153281	26.203	ug/L #	92
18) trans-1,2-Dichloroethene	5.42	96	104927	24.967	ug/L	97
19) 1,1-Dichloroethane	6.21	63	173524	25.060	ug/L	99
21) 2-Butanone	7.17	43	57969	53.577	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	112051	25.352	ug/L	93

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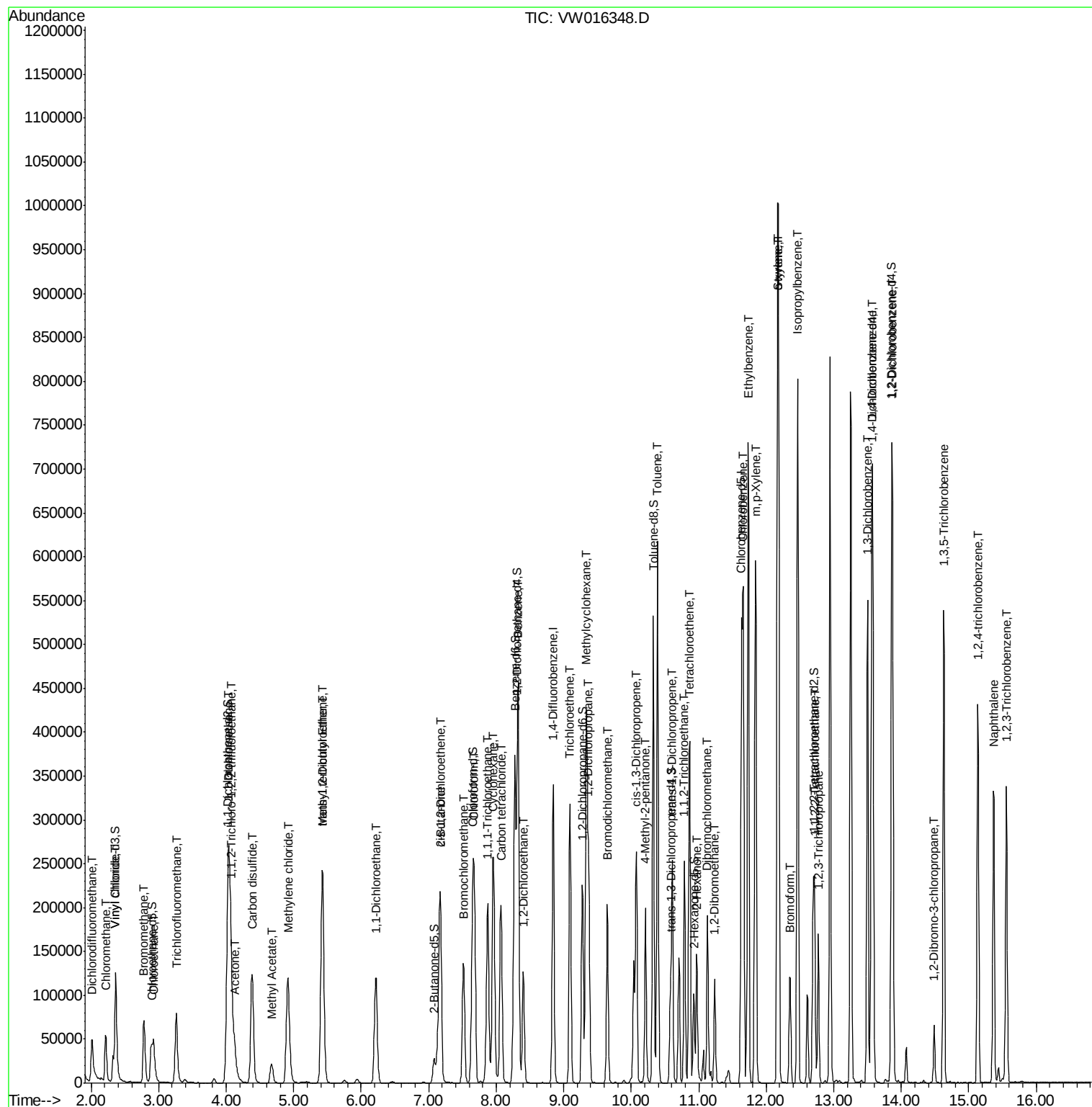
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	52432	25.863	ug/L	93
25) Chloroform	7.68	83	189794	25.451	ug/L	98
27) 1,2-Dichloroethane	8.40	62	121836	26.086	ug/L	99
30) Cyclohexane	7.96	56	149597	24.591	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	174319	25.751	ug/L	99
32) Carbon tetrachloride	8.07	117	163955	25.508	ug/L	97
34) Benzene	8.32	78	406106	25.155	ug/L	100
35) Trichloroethene	9.09	95	112904	24.700	ug/L	99
36) Methylcyclohexane	9.34	83	186961	25.055	ug/L	99
40) 1,2-Dichloropropane	9.37	63	94845	24.981	ug/L	100
41) Bromodichloromethane	9.65	83	139416	25.923	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	161427	25.968	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	119926	52.830	ug/L	100
44) Toluene	10.39	91	448020	25.483	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	146519	26.658	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	82791	26.419	ug/L	95
47) Tetrachloroethene	10.87	164	89489	24.827	ug/L	98
49) 2-Hexanone	10.97	43	83701	56.916	ug/L	98
50) Dibromochloromethane	11.13	129	103064	26.407	ug/L	98
51) 1,2-Dibromoethane	11.24	107	82128	26.775	ug/L	97
52) Chlorobenzene	11.66	112	291996	24.867	ug/L	98
53) Ethylbenzene	11.73	91	514217	25.442	ug/L	99
54) m,p-Xylene	11.84	106	197315	25.402	ug/L	95
55) o-xylene	12.17	106	187467	25.690	ug/L	99
56) Styrene	12.18	104	328008	26.713	ug/L	100
57) Isopropylbenzene	12.46	105	522113	25.702	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	98901	27.047	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	72736	26.858	ug/L	96
62) Bromoform	12.35	173	57827	24.623	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	235911	24.225	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	231486	23.464	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	210396	24.195	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	17122	25.047	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	168104	25.014	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	138393	25.944	ug/L	97
69) Naphthalene	15.36	128	290157	27.690	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	118764	25.315	ug/L	99

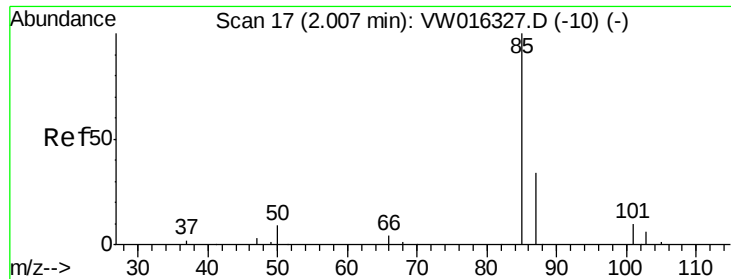
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.334 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

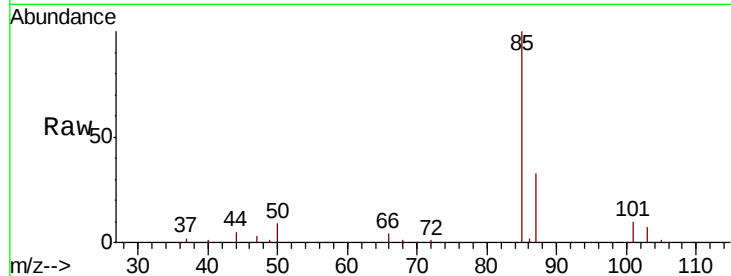
VSTD02525

Tot Ion: 85 Resp: 77266

Ion Ratio Lower Upper

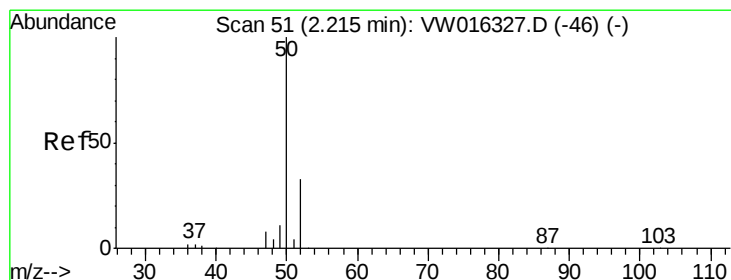
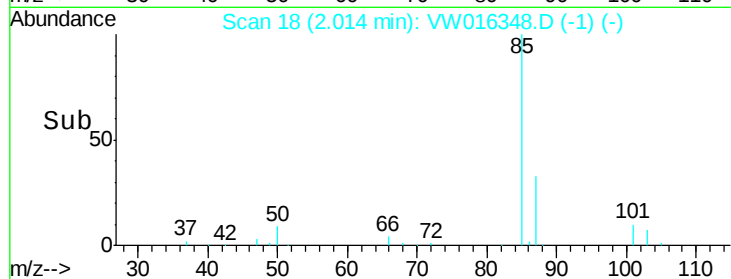
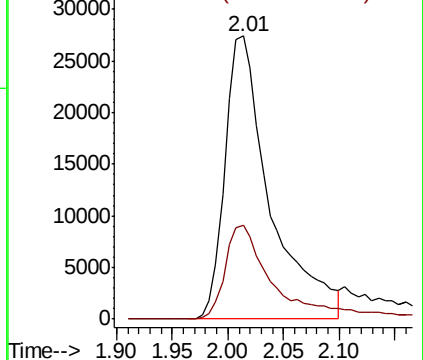
85 100

87 33.6 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: 22.116 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016348.D

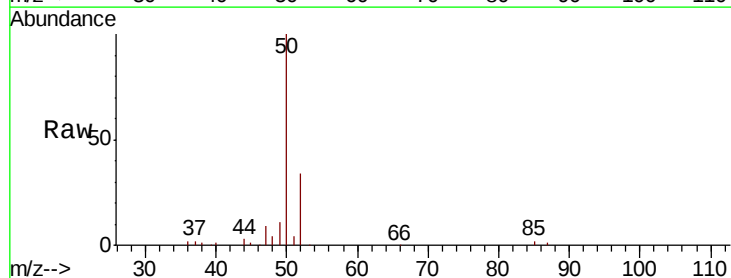
Acq: 25 Aug 2020 08:46

Tgt Ion: 50 Resp: 57179

Ion Ratio Lower Upper

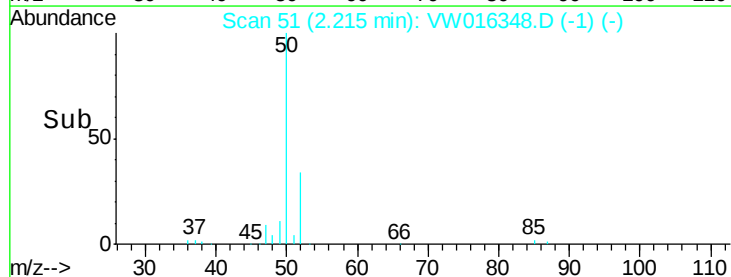
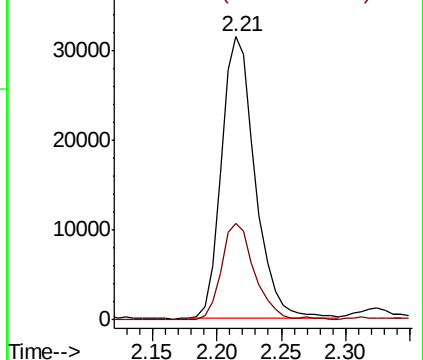
50 100

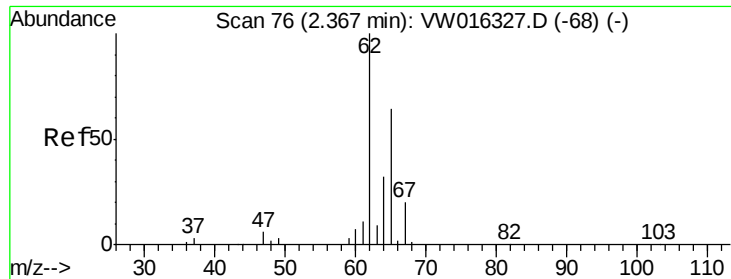
52 34.1 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.419 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

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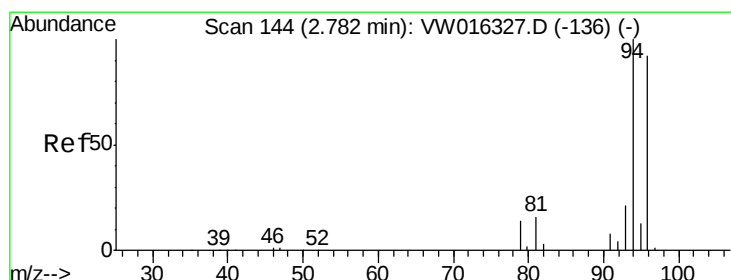
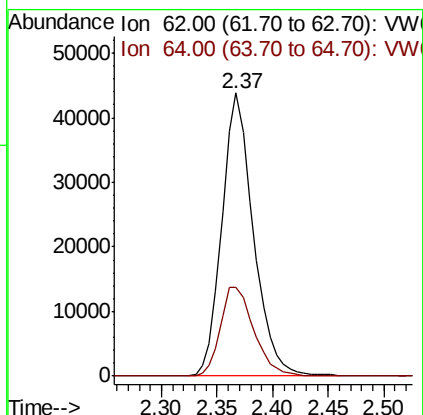
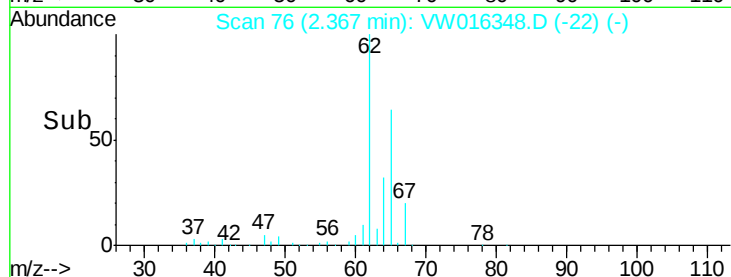
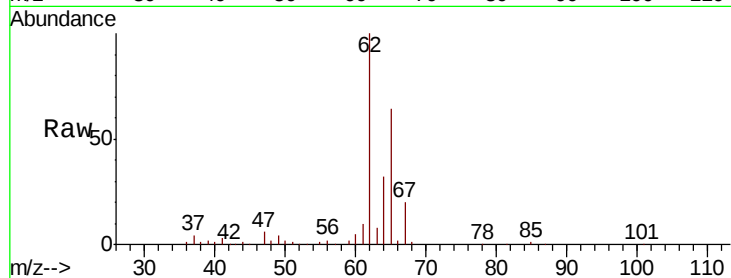
VSTD02525

Tot Ion: 62 Resp: 85986

Ion Ratio Lower Upper

62 100

64 31.6 22.0 41.0



#6

Bromomethane

Concen: 24.286 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016348.D

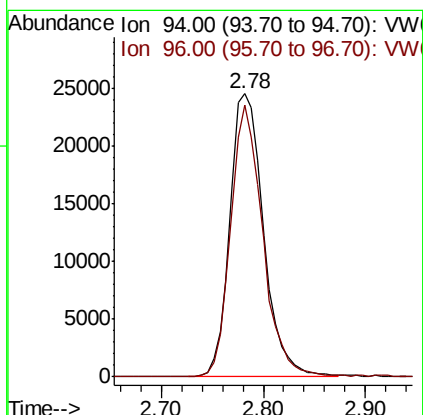
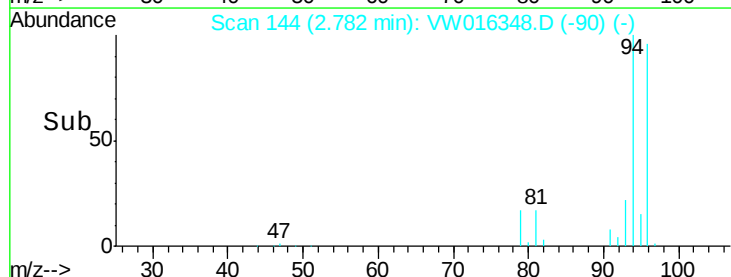
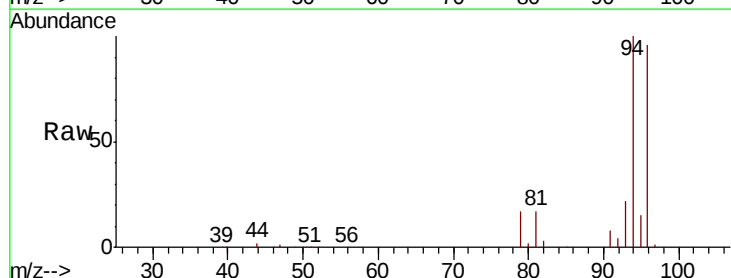
Acq: 25 Aug 2020 08:46

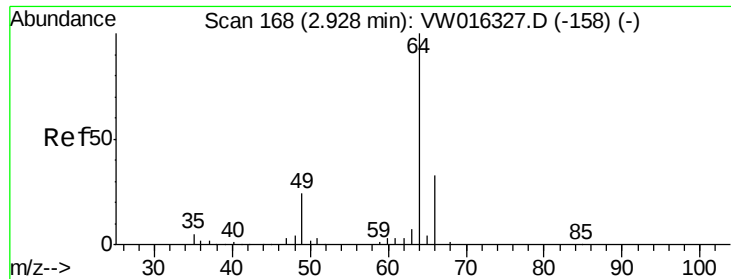
Tgt Ion: 94 Resp: 55907

Ion Ratio Lower Upper

94 100

96 91.4 9.3 176.7





#8

Chloroethane

Concen: 25.194 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

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ClientSampleId :

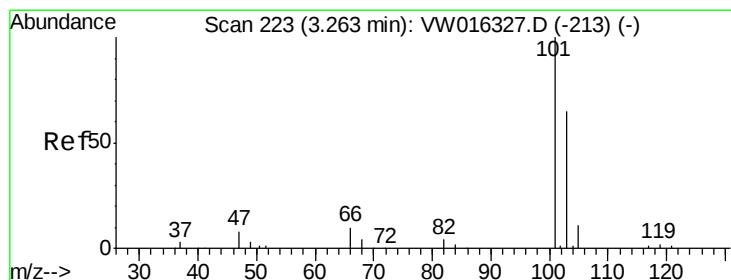
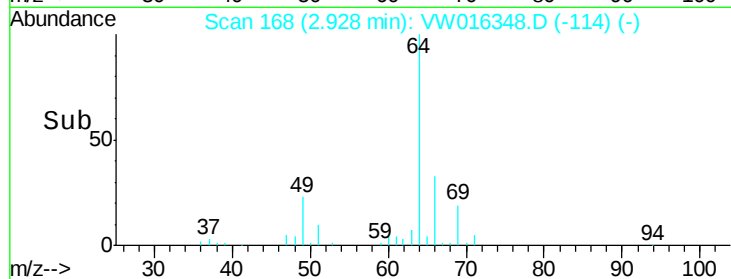
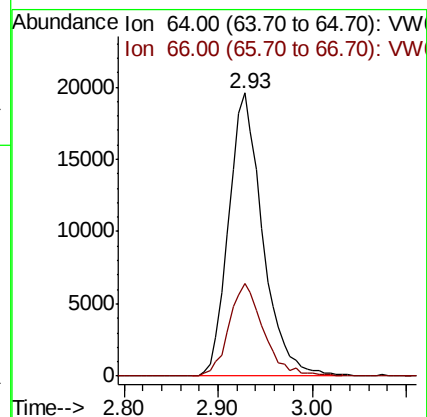
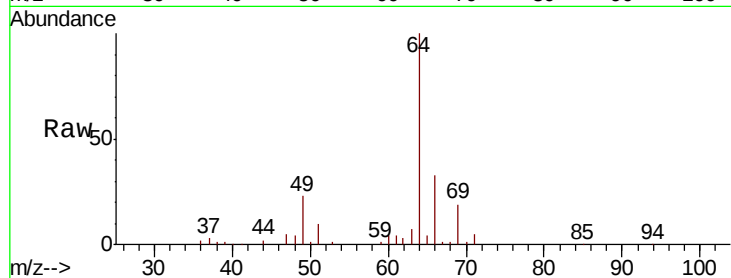
VSTD02525

Tot Ion: 64 Resp: 49466

Ion Ratio Lower Upper

64 100

66 32.7 24.1 44.8



#9

Trichlorofluoromethane

Concen: 24.399 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016348.D

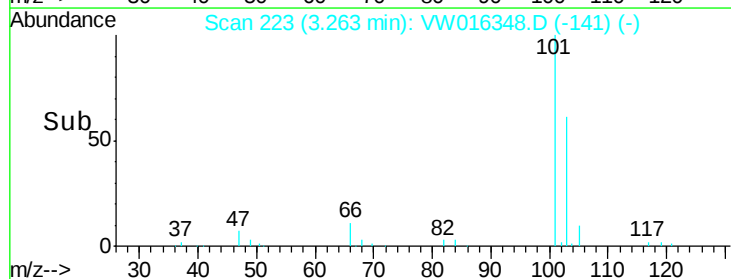
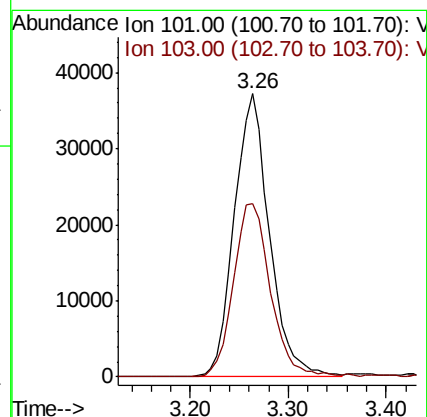
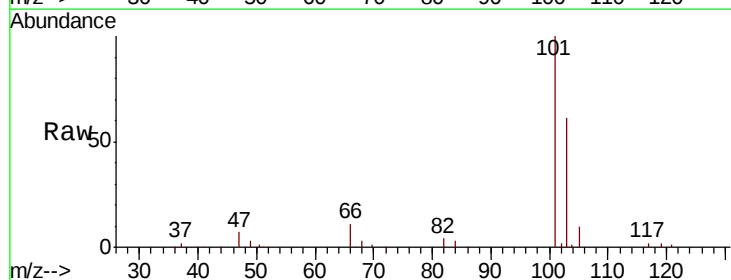
Acq: 25 Aug 2020 08:46

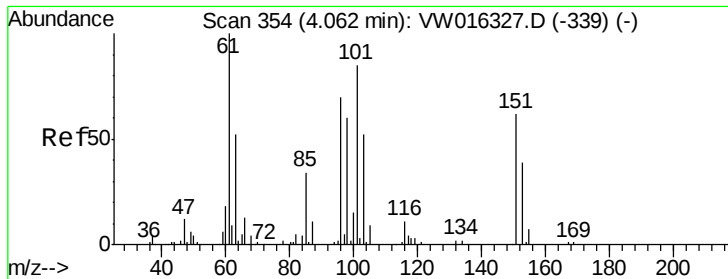
Tgt Ion: 101 Resp: 92978

Ion Ratio Lower Upper

101 100

103 64.4 44.8 83.2





#11

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

Concen: 24.856 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW016348.D

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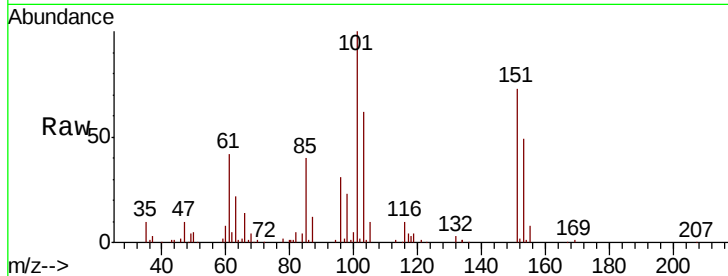
Tot Ion:101 Resp: 103388

Ion Ratio Lower Upper

101 100

85 40.2 31.8 47.6

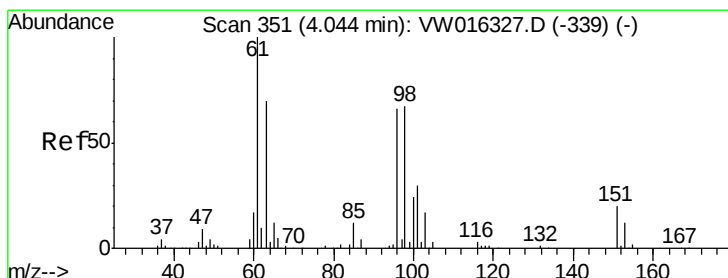
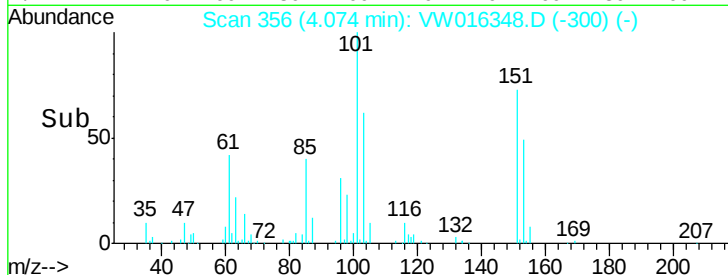
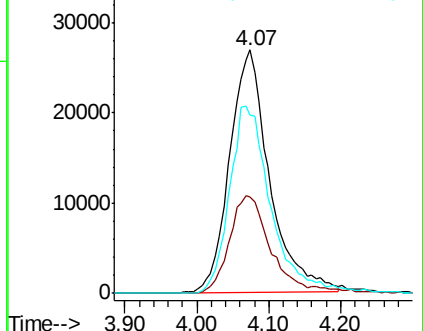
151 78.7 60.9 91.3



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: 25.163 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

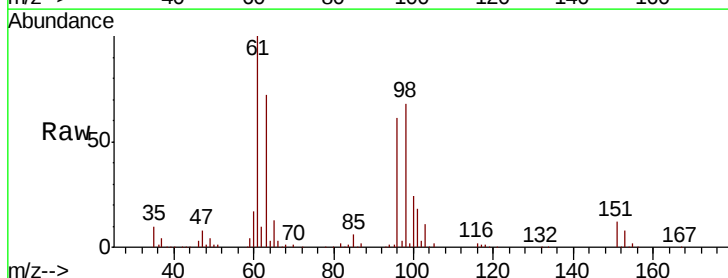
Tgt Ion: 96 Resp: 100671

Ion Ratio Lower Upper

96 100

61 164.4 112.3 208.5

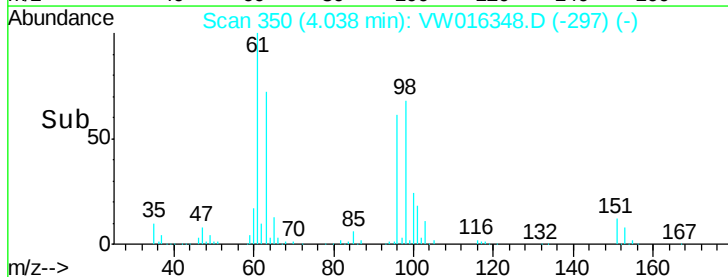
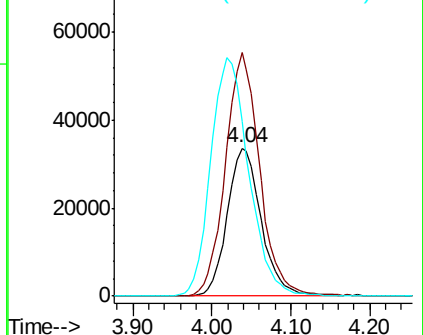
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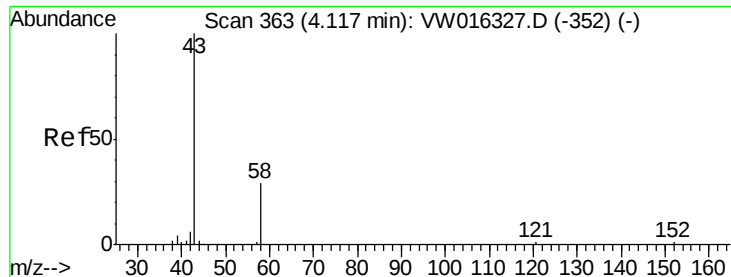


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.461 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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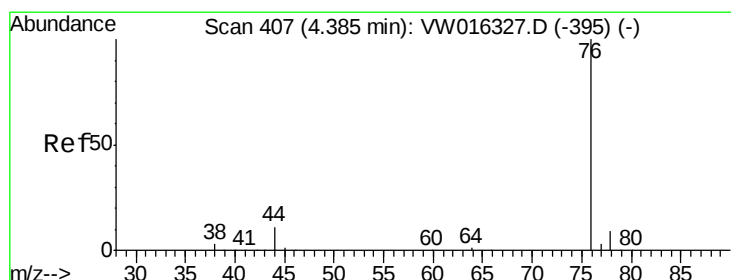
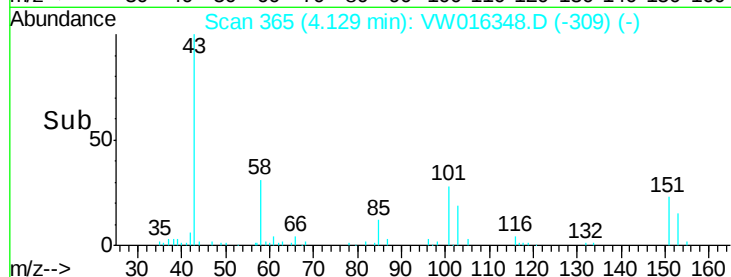
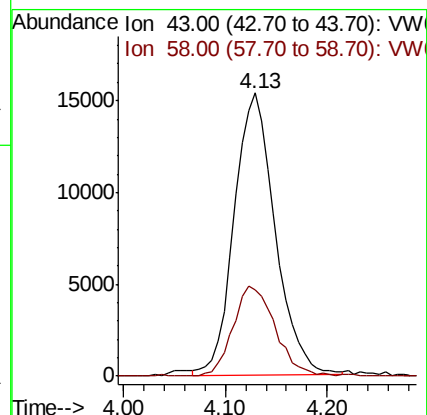
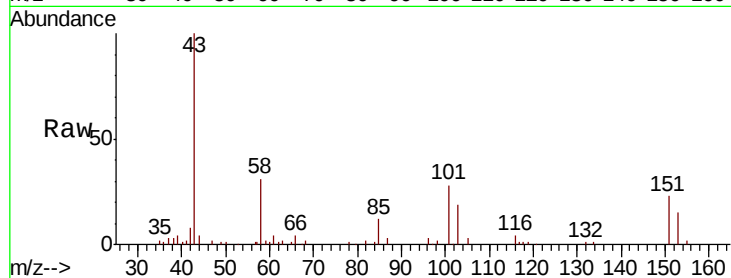
VSTD02525

Tot Ion: 43 Resp: 42878

Ion Ratio Lower Upper

43 100

58 32.5 0.0 63.8



#14

Carbon disulfide

Concen: 24.393 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

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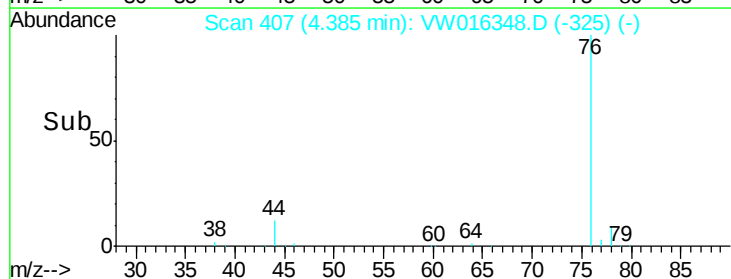
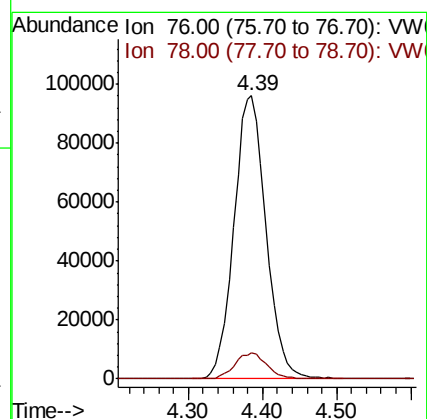
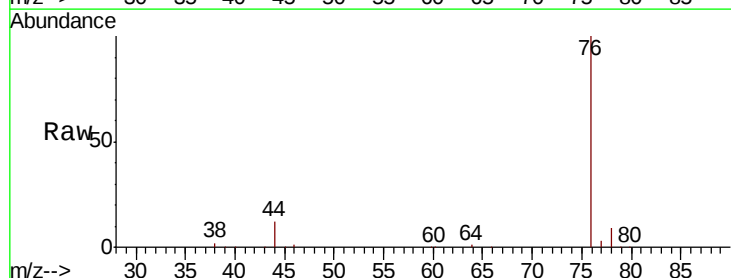
Acq: 25 Aug 2020 08:46

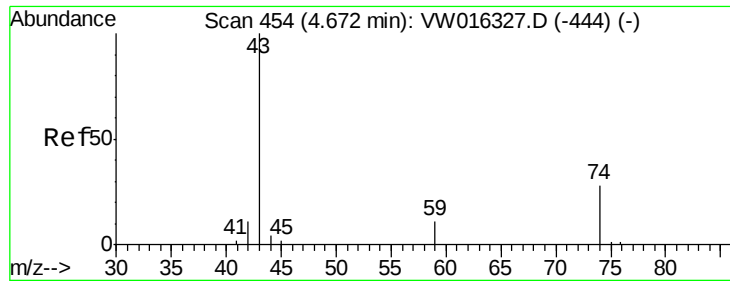
Tgt Ion: 76 Resp: 289340

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5

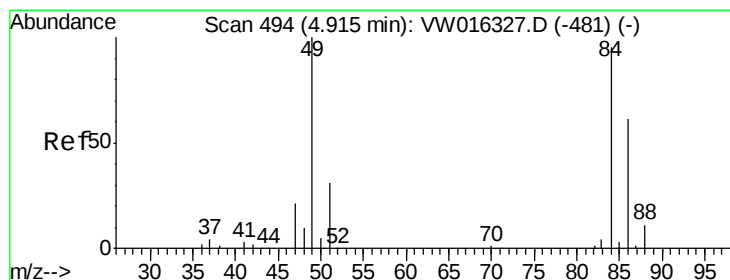
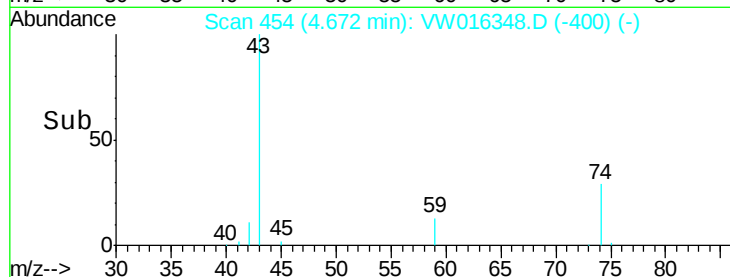
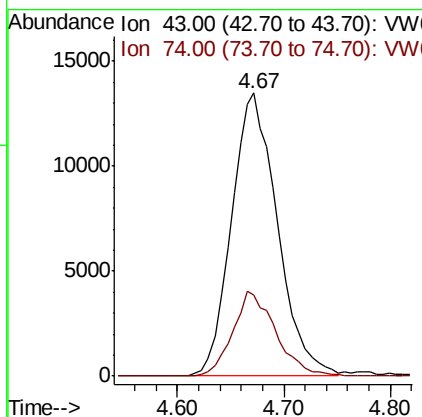
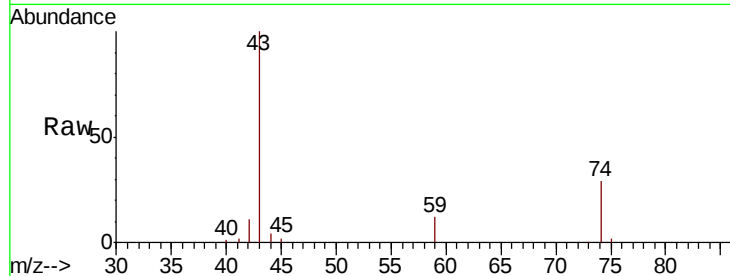




#15
Methyl Acetate
Concen: 26.605 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW016348.D
Acq: 25 Aug 2020 08:46

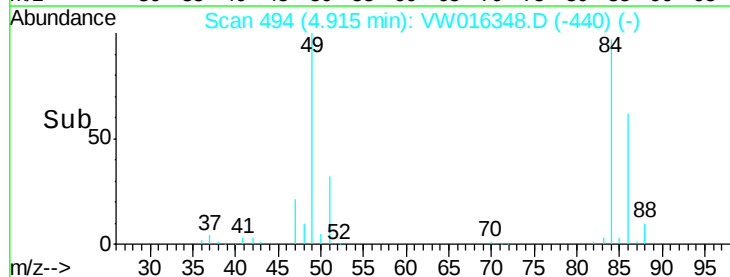
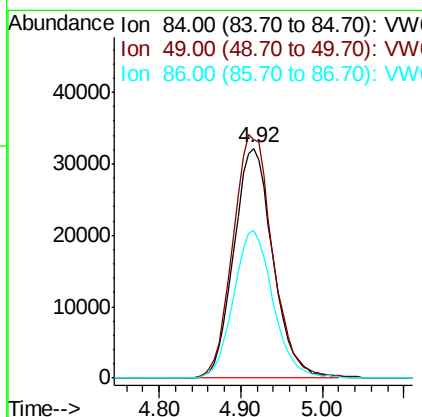
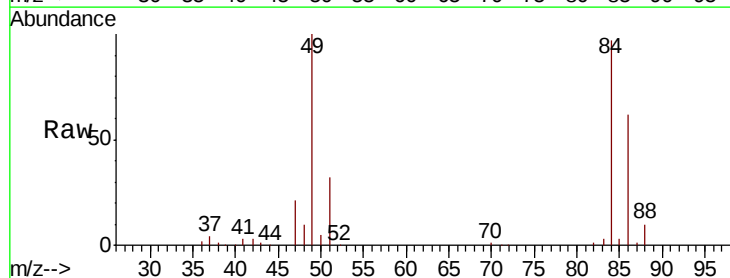
Instrument :
MSVOA_W
ClientSampled :
VSTD02525

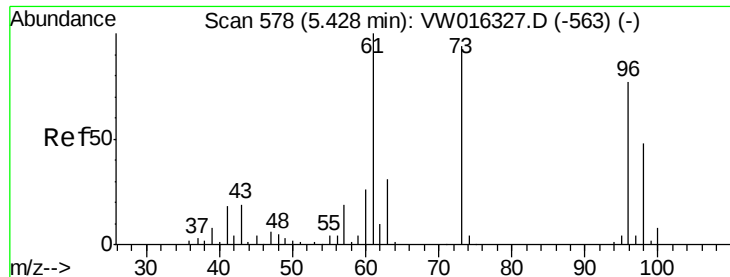
Tot Ion: 43 Resp: 40652
Ion Ratio Lower Upper
43 100
74 27.9 21.0 31.6



#16
Methylene chloride
Concen: 19.231 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016348.D
Acq: 25 Aug 2020 08:46

Tgt Ion: 84 Resp: 107137
Ion Ratio Lower Upper
84 100
49 103.6 75.3 139.9
86 64.1 43.3 80.3

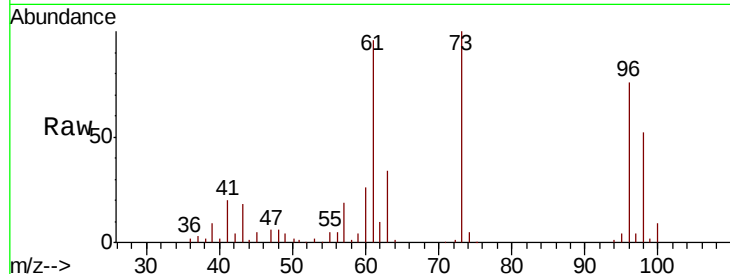




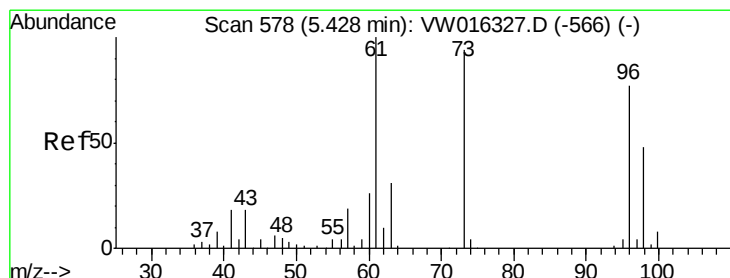
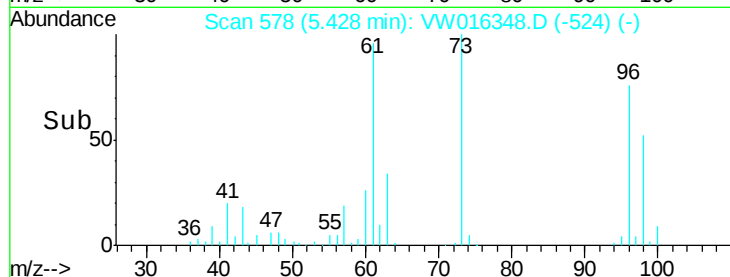
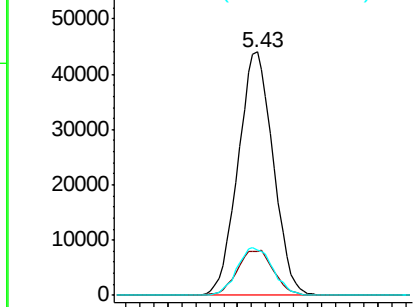
#17
Methvl tert-butvl Ether
Concen: 26.203 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016348.D
Acq: 25 Aug 2020 08:46

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Tot Ion: 73 Resp: 153281
Ion Ratio Lower Upper
73 100
43 11.3 15.3 22.9#
57 20.1 16.1 24.1

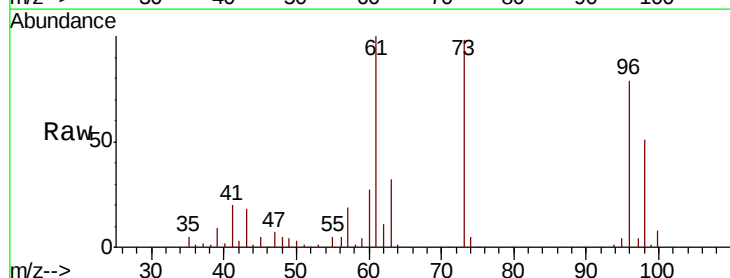


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

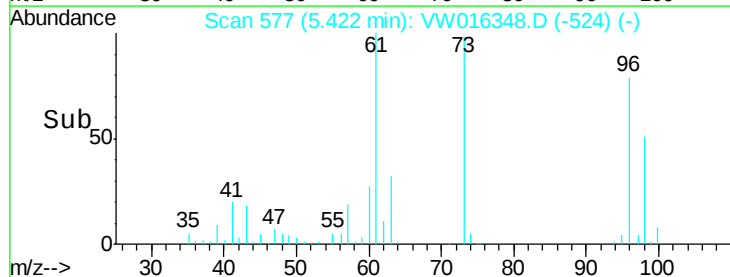
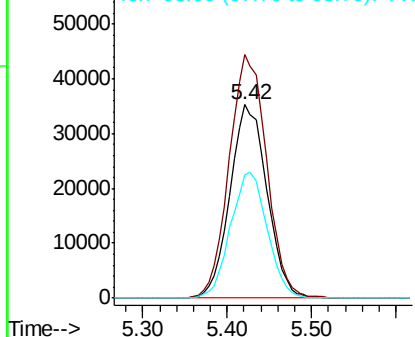


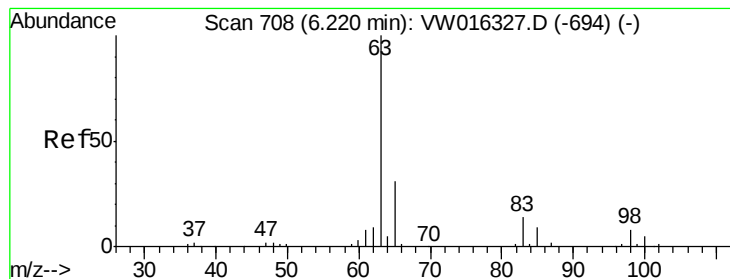
#18
trans-1,2-Dichloroethene
Concen: 24.967 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW016348.D
Acq: 25 Aug 2020 08:46

Tgt Ion: 96 Resp: 104927
Ion Ratio Lower Upper
96 100
61 125.8 89.9 167.0
98 63.7 41.6 77.2



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: 25.060 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

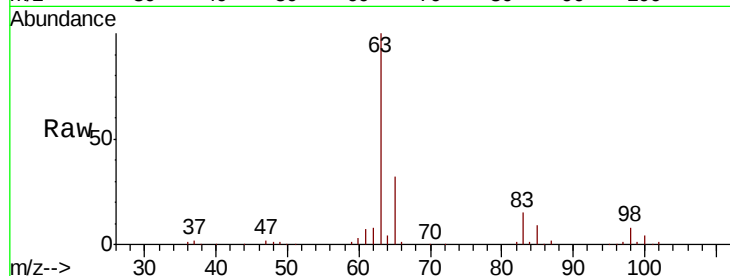
Tot Ion: 63 Resp: 173524

Ion Ratio Lower Upper

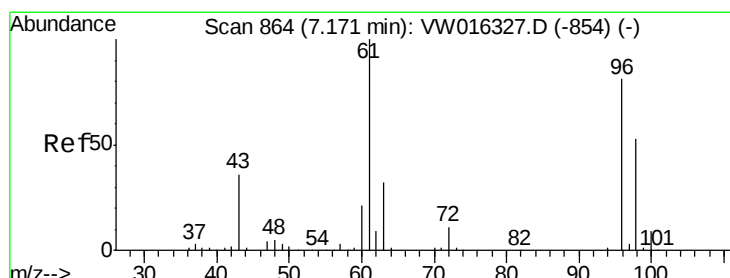
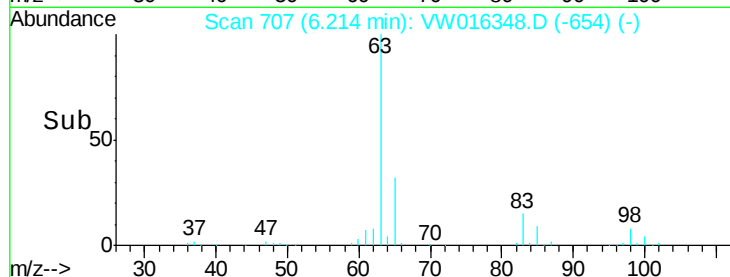
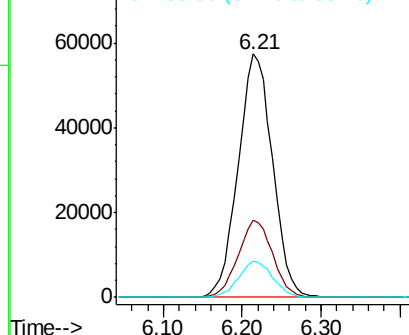
63 100

65 31.7 21.8 40.6

83 14.8 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: 53.577 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016348.D

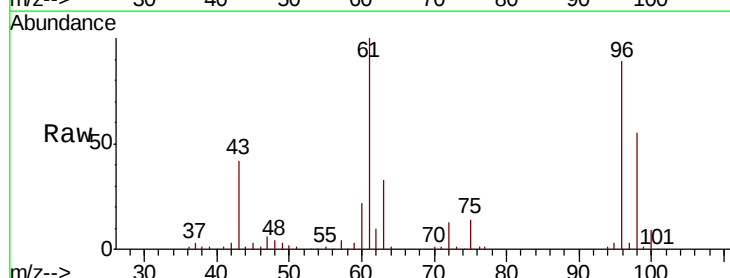
Acq: 25 Aug 2020 08:46

Tgt Ion: 43 Resp: 57969

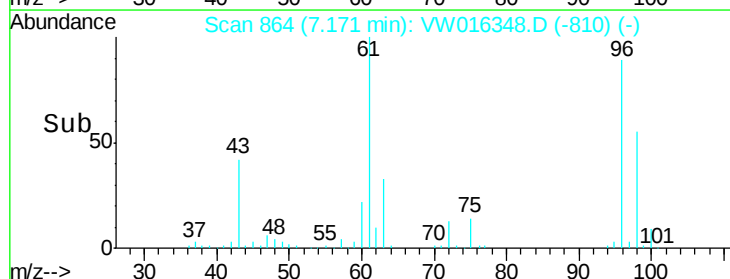
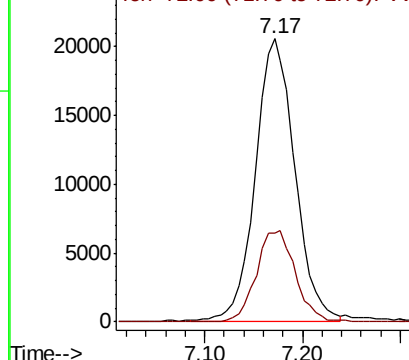
Ion Ratio Lower Upper

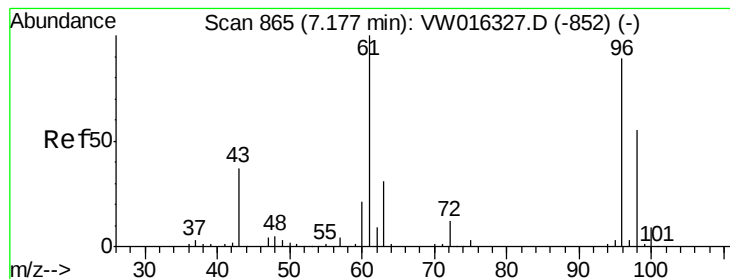
43 100

72 31.2 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: 25.352 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

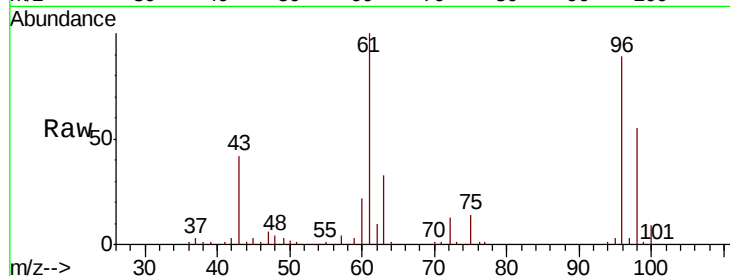
Tot Ion: 96 Resp: 112051

Ion Ratio Lower Upper

96 100

61 112.8 84.9 157.7

98 61.9 46.8 86.8

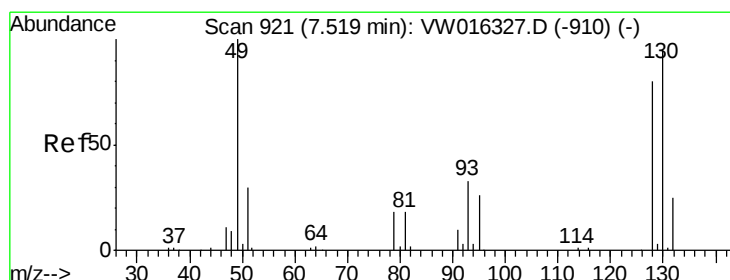
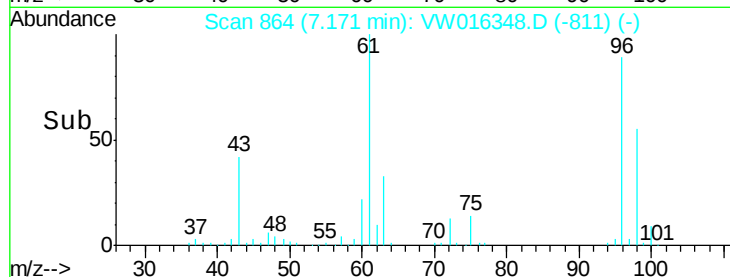
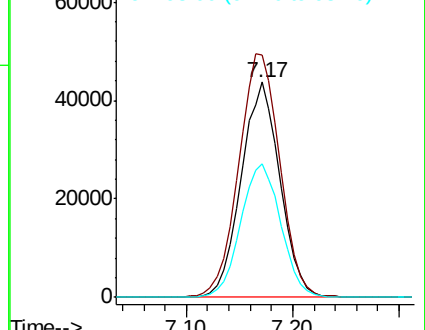


Abundance

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: 25.863 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Tgt Ion: 128 Resp: 52432

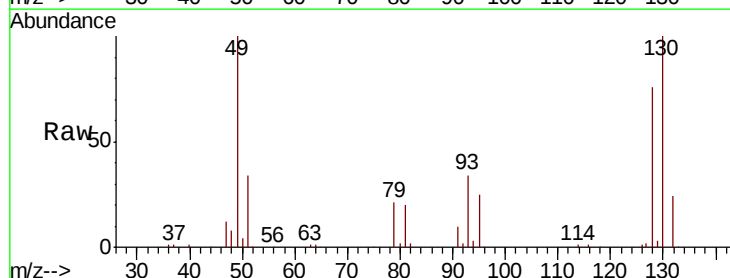
Ion Ratio Lower Upper

128 100

49 132.0 94.5 175.5

130 131.7 83.0 154.1

51 44.8 33.4 50.0



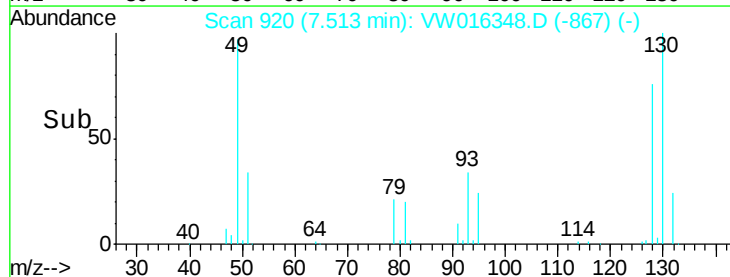
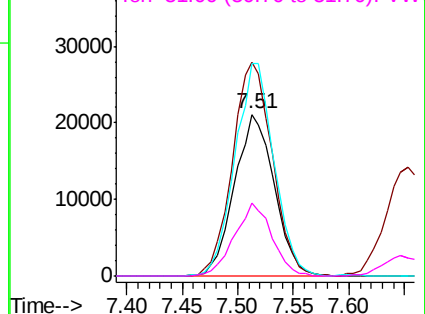
Abundance

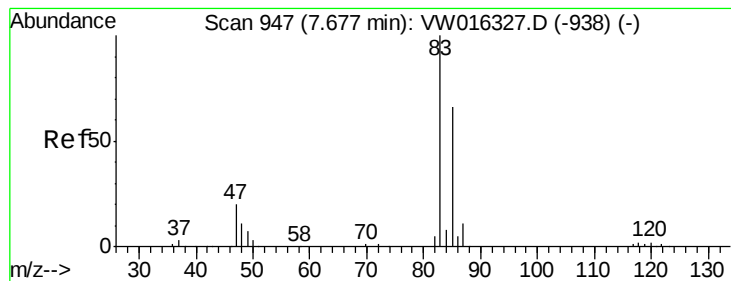
Ion 128.00 (127.70 to 128.70): V

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: 25.451 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

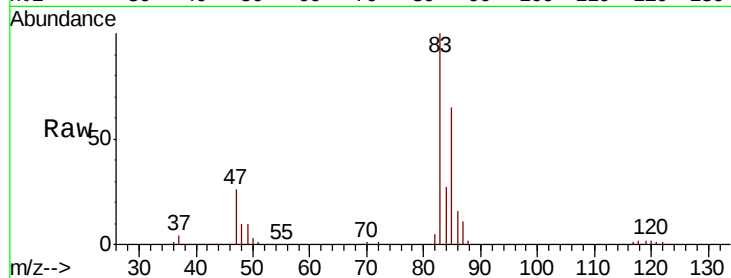
VSTD02525

Tot Ion: 83 Resp: 189794

Ion Ratio Lower Upper

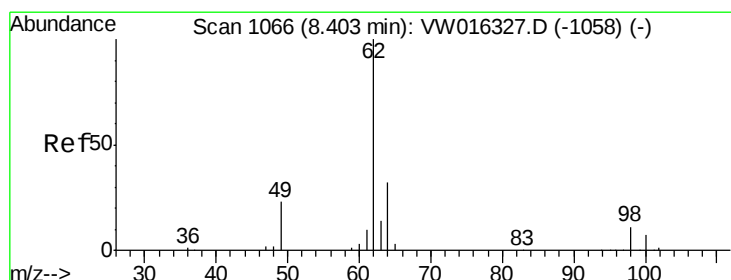
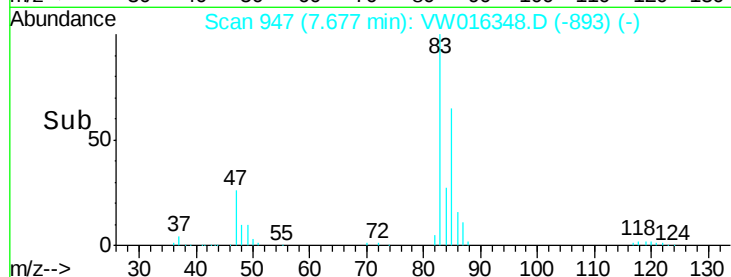
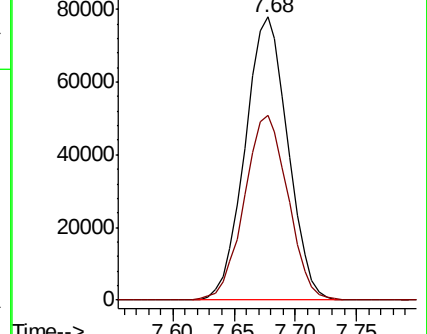
83 100

85 66.6 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: 26.086 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016348.D

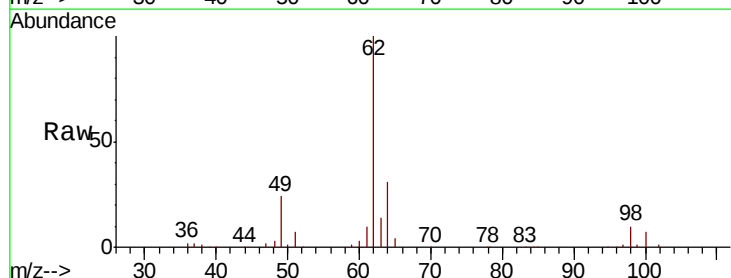
Acq: 25 Aug 2020 08:46

Tgt Ion: 62 Resp: 121836

Ion Ratio Lower Upper

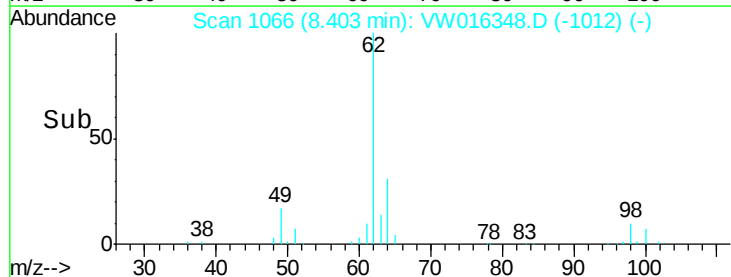
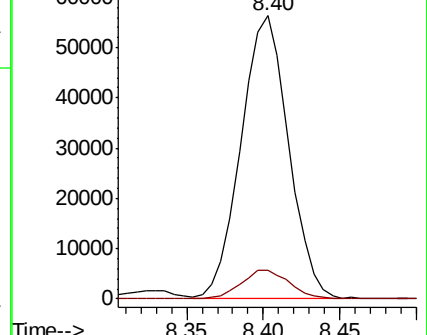
62 100

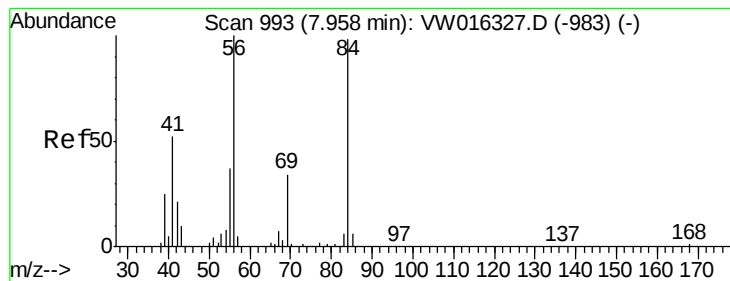
98 10.3 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 24.591 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

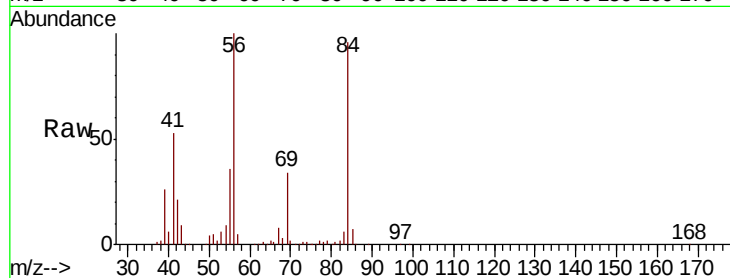
Tot Ion: 56 Resp: 149597

Ion Ratio Lower Upper

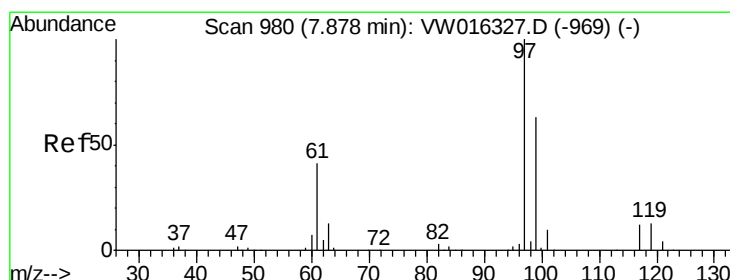
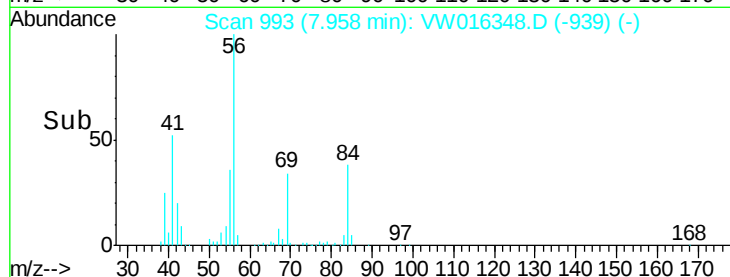
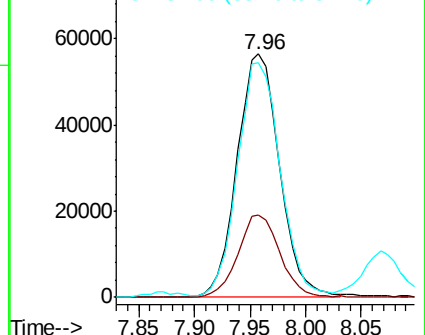
56 100

69 33.5 26.6 40.0

84 97.8 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: 25.751 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

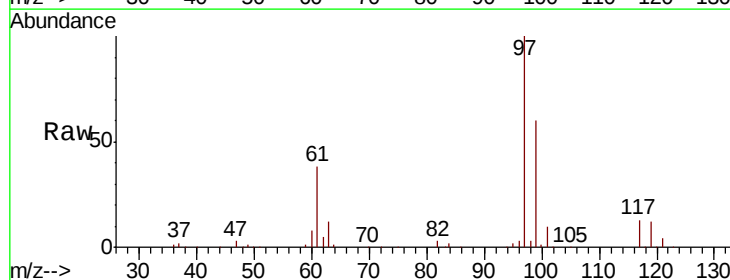
Tgt Ion: 97 Resp: 174319

Ion Ratio Lower Upper

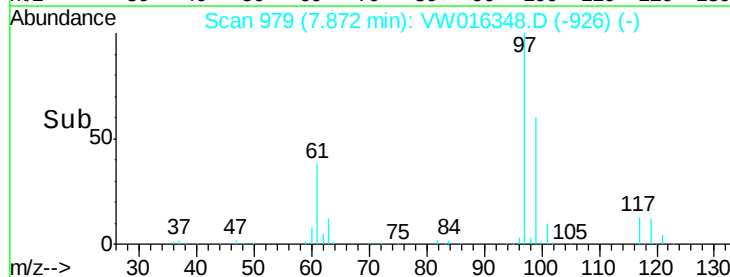
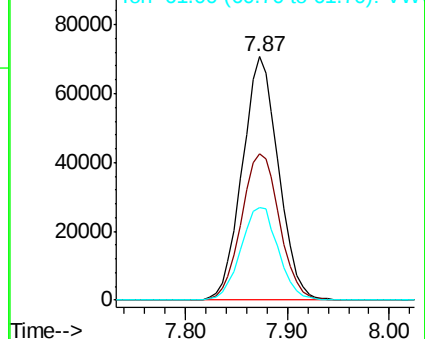
97 100

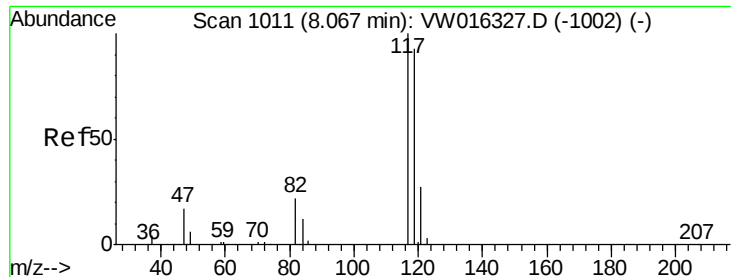
99 63.3 51.5 77.3

61 39.4 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: 25.508 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

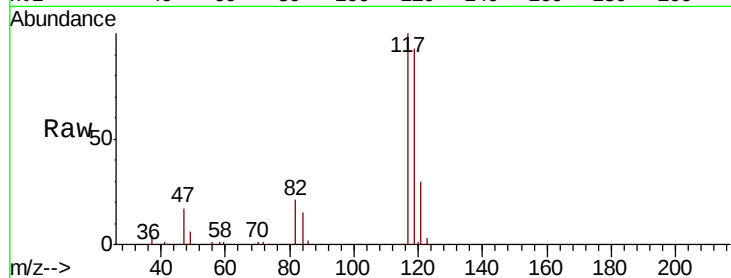
VSTD02525

Tot Ion:117 Resp: 163955

Ion Ratio Lower Upper

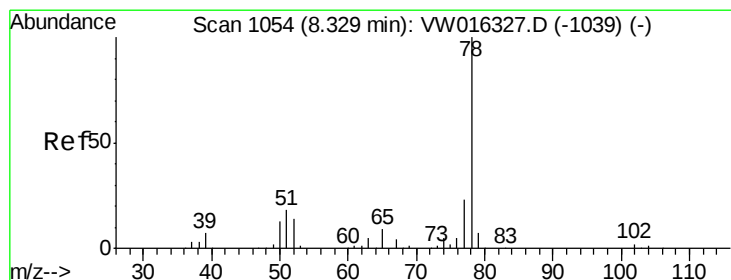
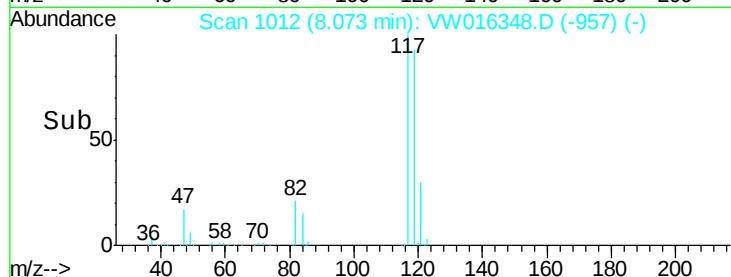
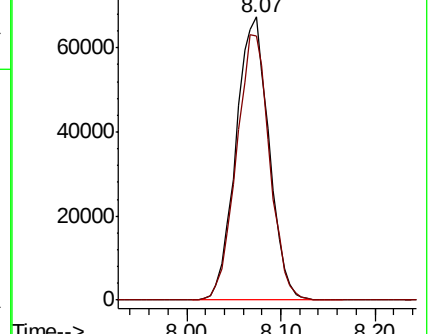
117 100

119 93.9 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: 25.155 ug/L

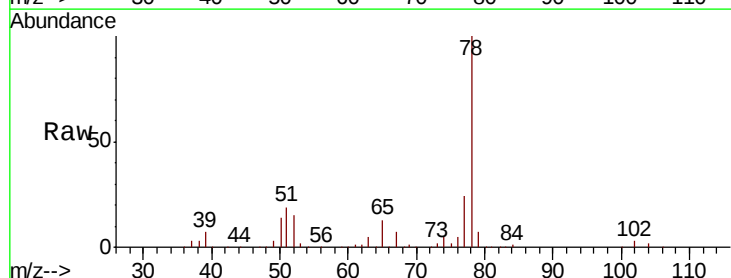
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

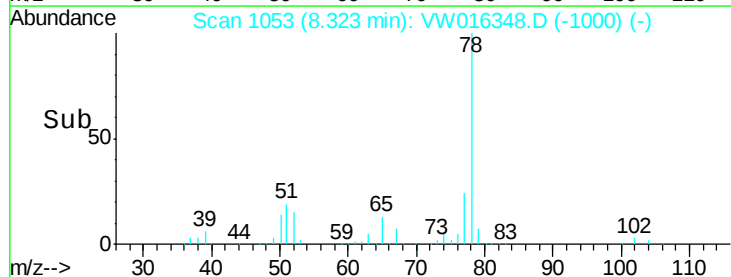
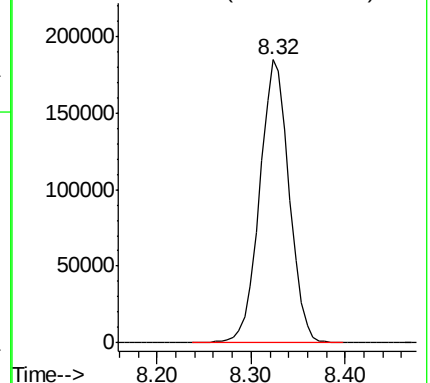
Lab File: VW016348.D

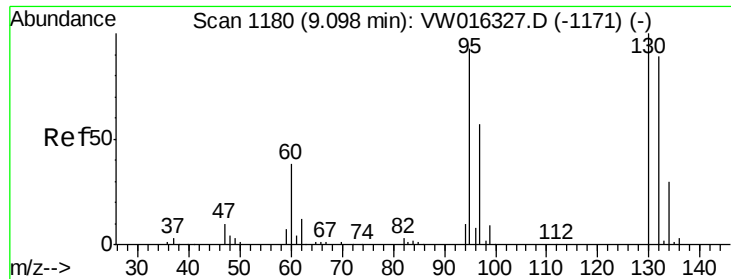
Acq: 25 Aug 2020 08:46

Tgt Ion: 78 Resp: 406106



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.700 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tot Ion: 95 Resp: 112904

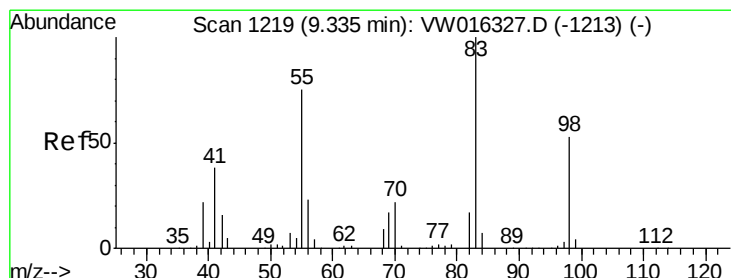
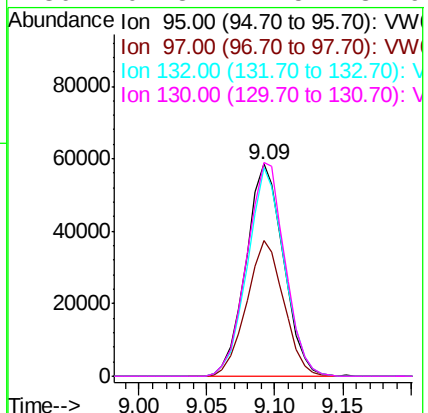
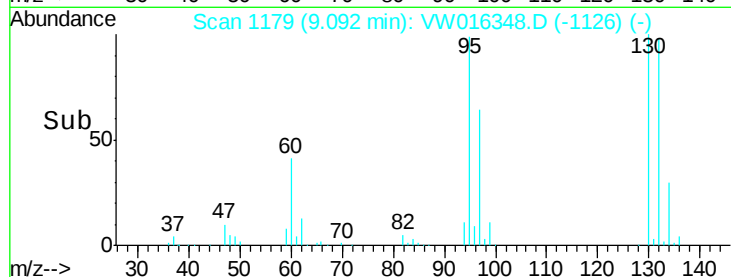
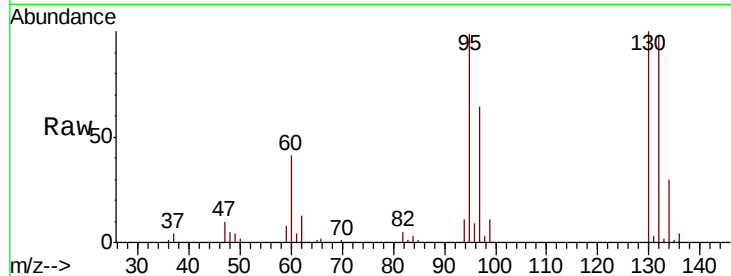
Ion Ratio Lower Upper

95 100

97 63.7 44.9 83.5

132 96.6 68.2 126.6

130 102.8 71.5 132.9



#36

Methylcyclohexane

Concen: 25.055 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

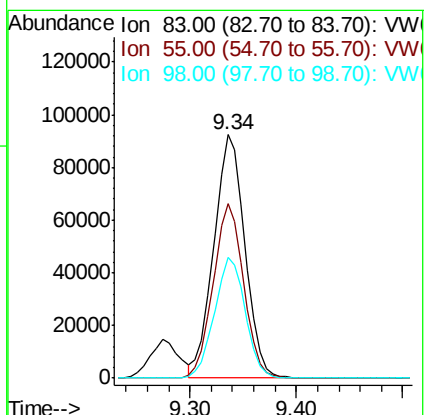
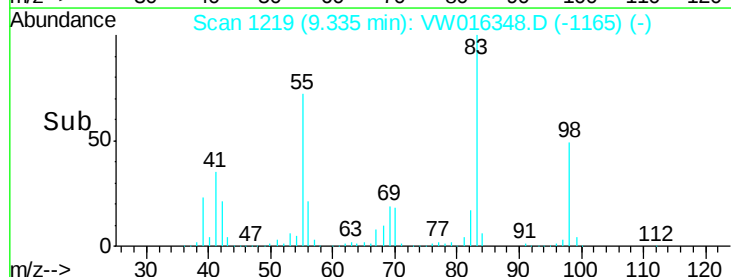
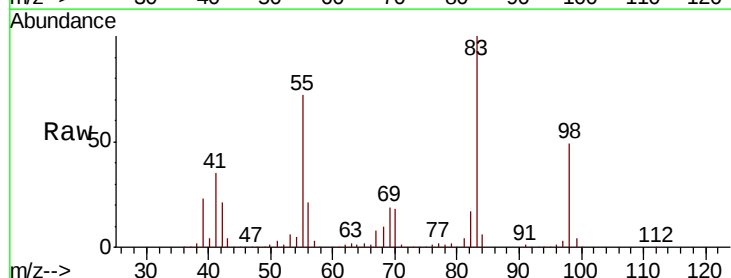
Tgt Ion: 83 Resp: 186961

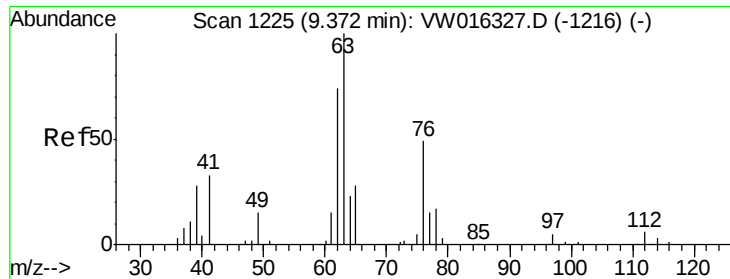
Ion Ratio Lower Upper

83 100

55 70.0 55.6 83.4

98 49.2 40.6 61.0

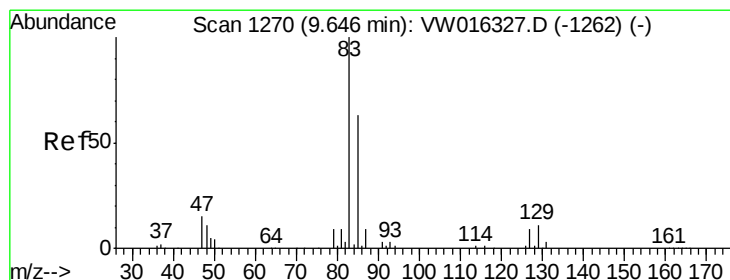
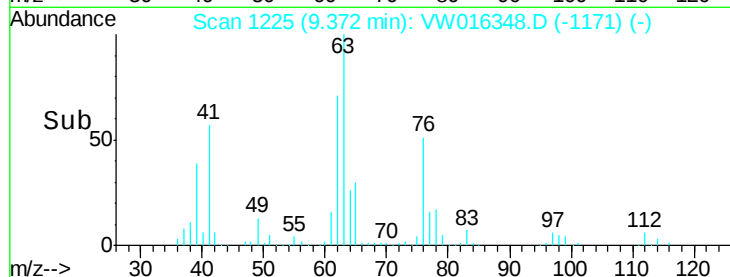
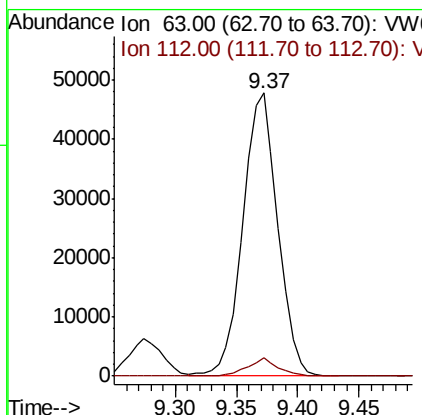
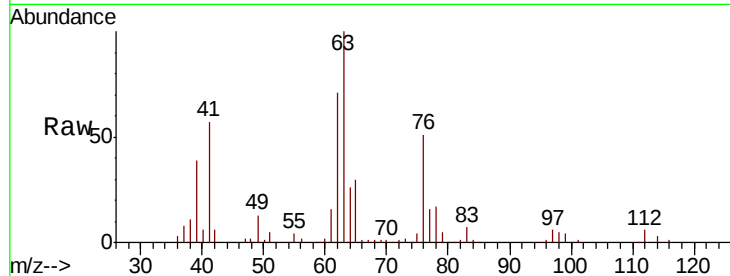




#40
 1,2-Dichloropropane
 Concen: 24.981 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016348.D
 Acq: 25 Aug 2020 08:46

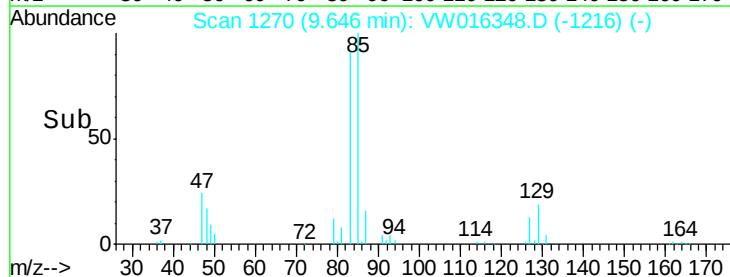
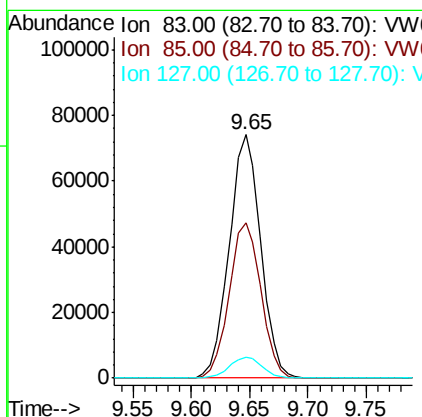
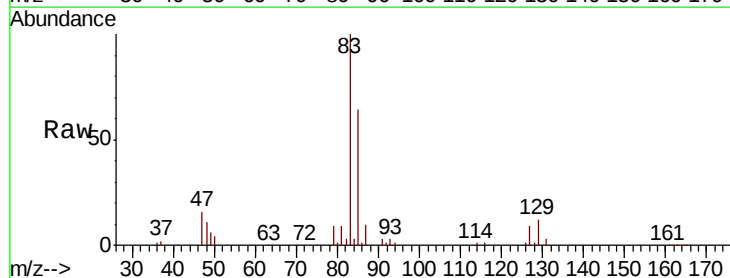
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02525

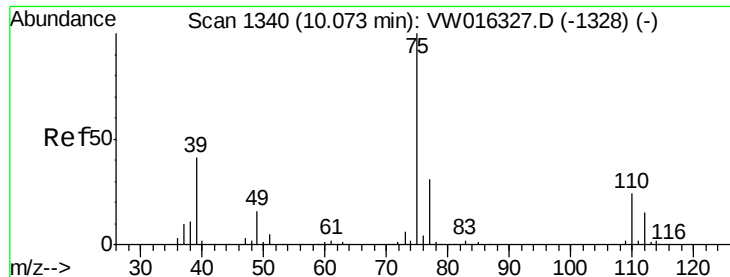
Tot Ion: 63 Resp: 94845
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.4 6.6



#41
 Bromodichloromethane
 Concen: 25.923 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016348.D
 Acq: 25 Aug 2020 08:46

Tgt Ion: 83 Resp: 139416
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.7 83.1
 127 8.6 7.0 10.4

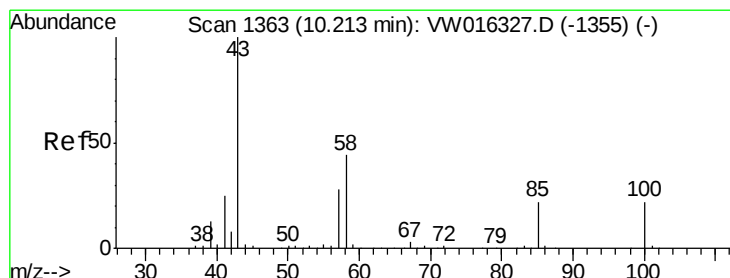
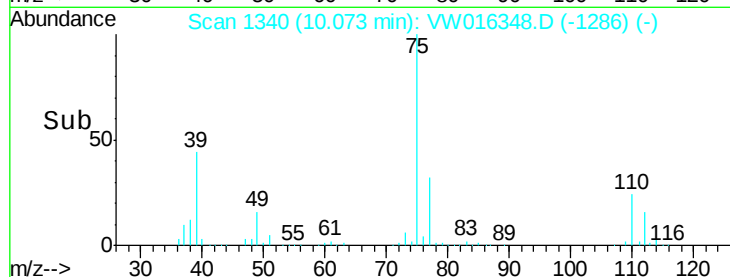
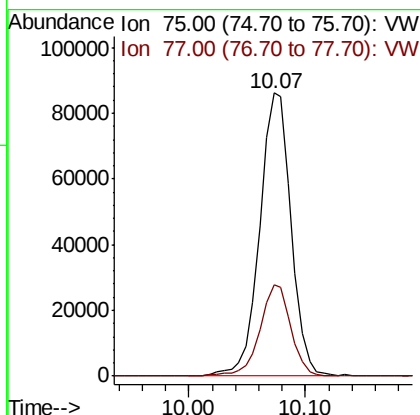
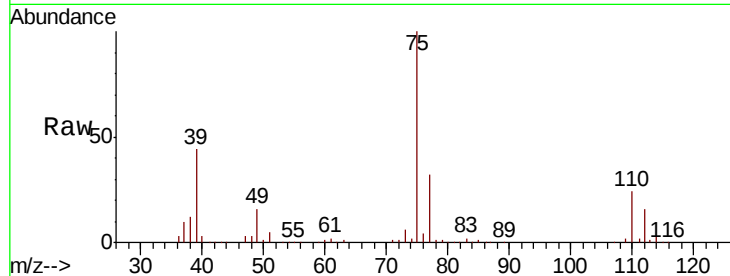




#42
 cis-1,3-Dichloropropene
 Concen: 25.968 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016348.D
 Acq: 25 Aug 2020 08:46

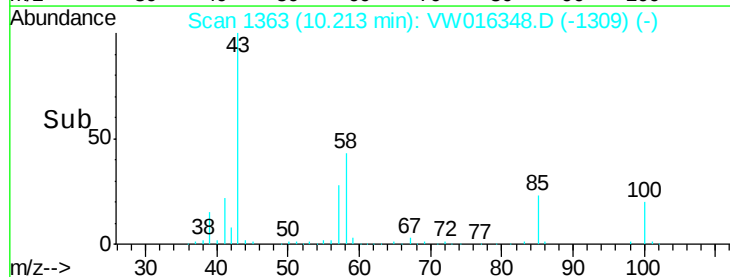
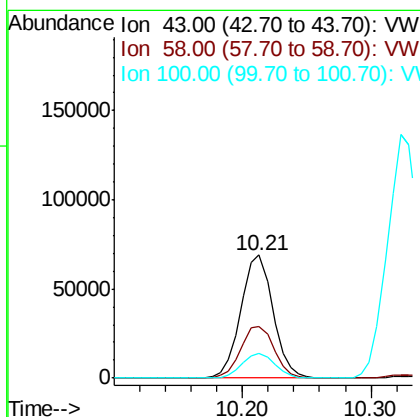
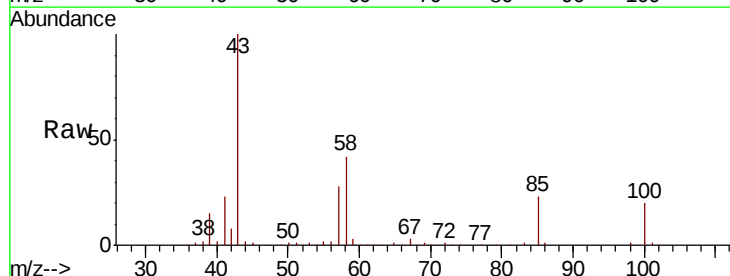
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

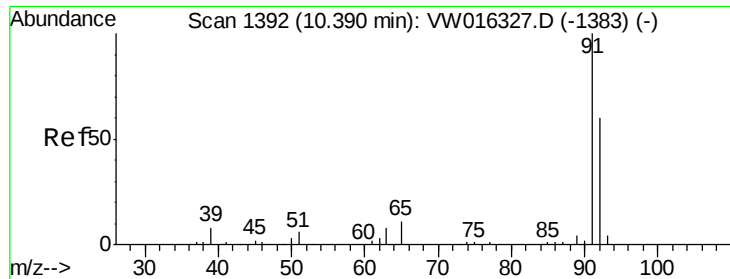
Tot Ion: 75 Resp: 161427
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.0 40.8



#43
 4-Methyl-2-pentanone
 Concen: 52.830 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016348.D
 Acq: 25 Aug 2020 08:46

Tgt Ion: 43 Resp: 119926
 Ion Ratio Lower Upper
 43 100
 58 43.6 34.9 52.3
 100 20.3 15.9 23.9





#44

Toluene

Concen: 25.483 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

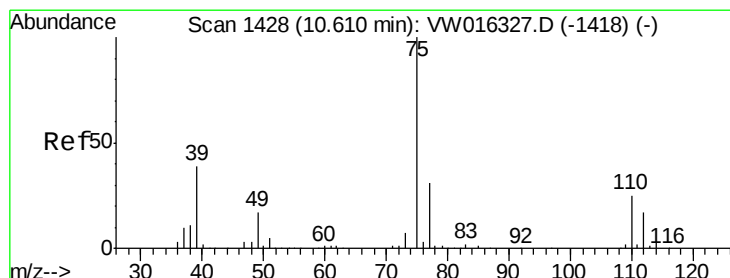
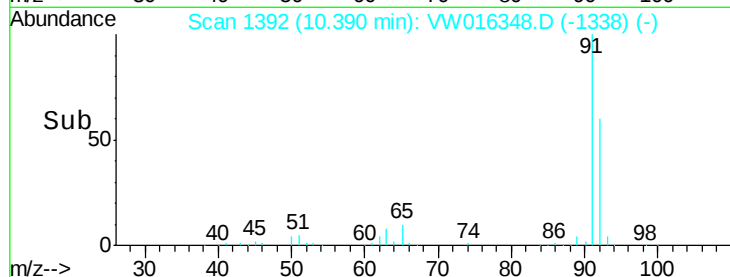
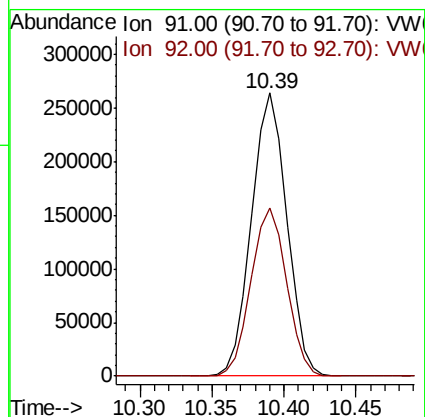
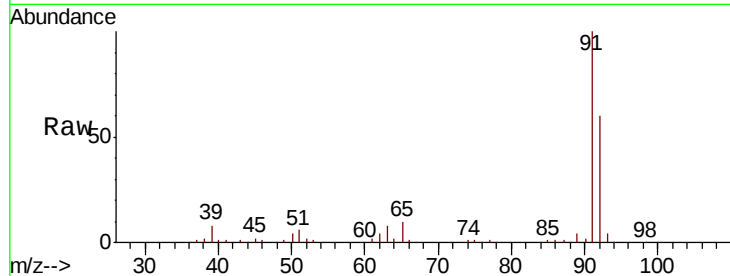
VSTD02525

Tot Ion: 91 Resp: 448020

Ion Ratio Lower Upper

91 100

92 59.6 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 26.658 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016348.D

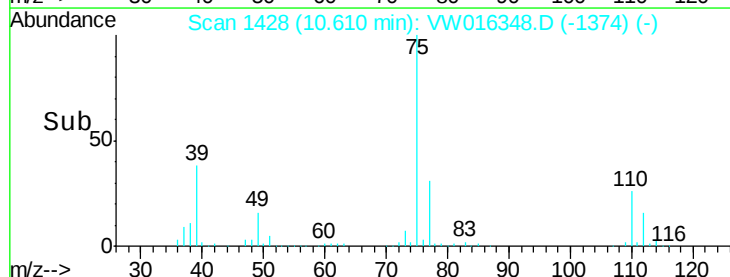
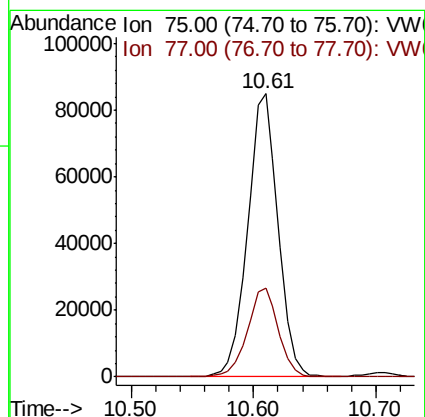
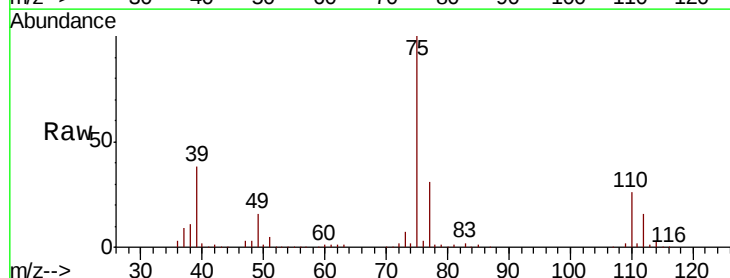
Acq: 25 Aug 2020 08:46

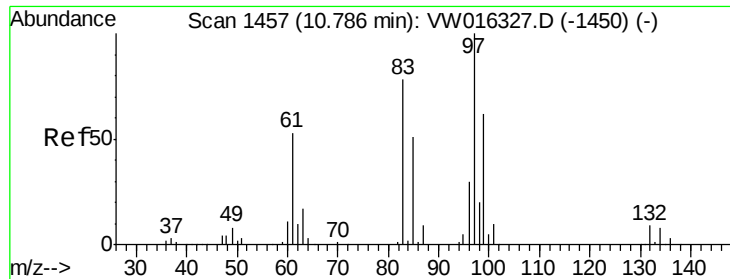
Tgt Ion: 75 Resp: 146519

Ion Ratio Lower Upper

75 100

77 31.2 21.3 39.5





#46

1,1,2-Trichloroethane

Concen: 26.419 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tot Ion: 97 Resp: 82791

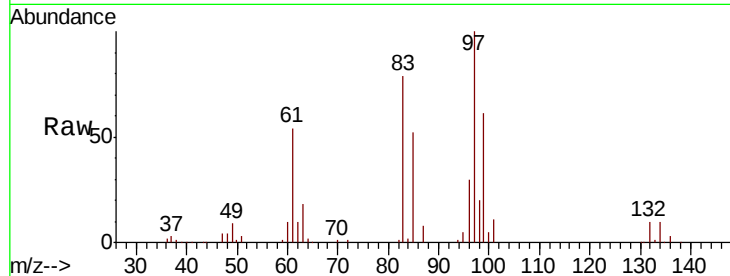
Ion Ratio Lower Upper

97 100

83 79.3 57.9 107.5

85 51.5 38.8 72.0

99 61.1 46.4 86.2

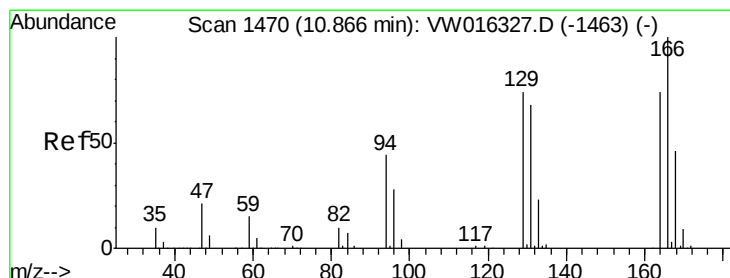
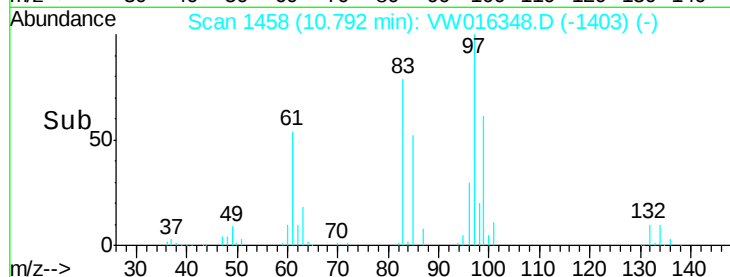
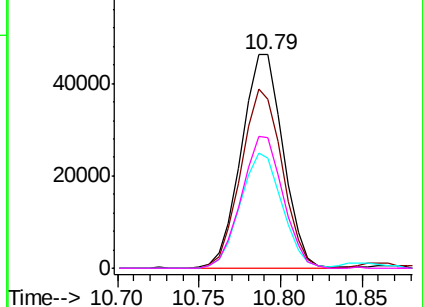


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.827 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Tgt Ion: 164 Resp: 89489

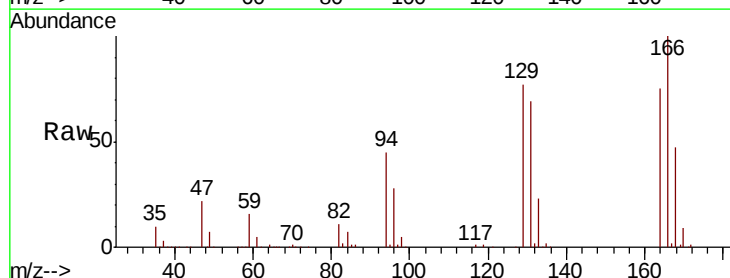
Ion Ratio Lower Upper

164 100

129 102.5 71.5 132.7

131 91.7 67.4 125.2

166 133.0 92.5 171.9

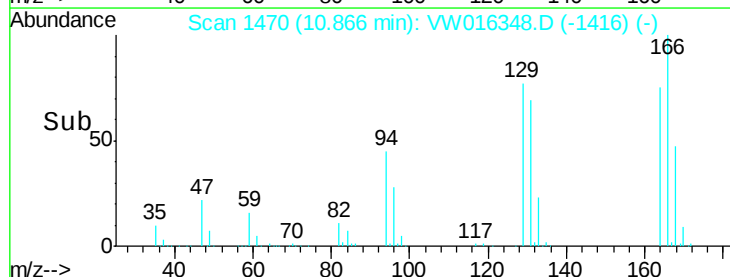
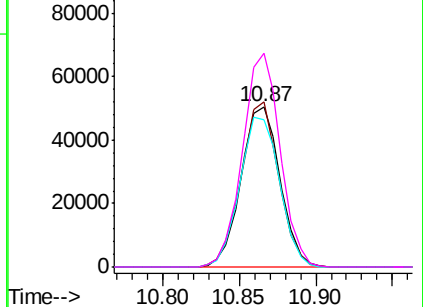


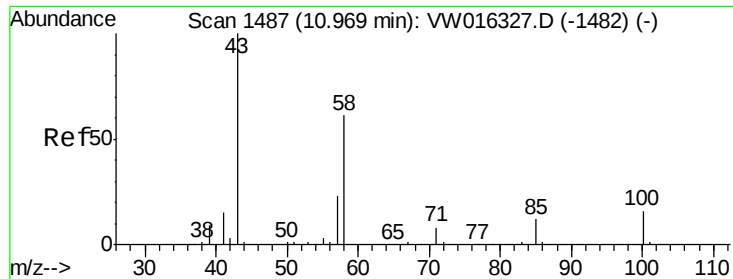
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 56.916 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tot Ion: 43 Resp: 83701

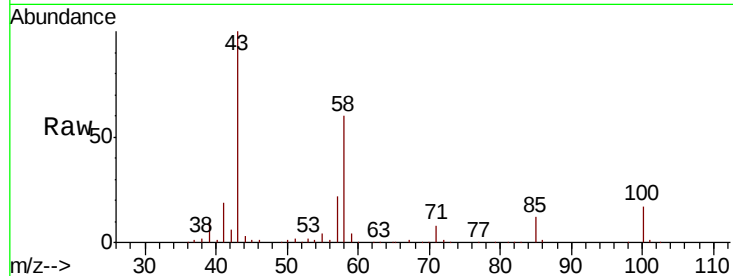
Ion Ratio Lower Upper

43 100

58 60.5 49.5 74.3

57 21.7 17.7 26.5

100 16.7 12.9 19.3

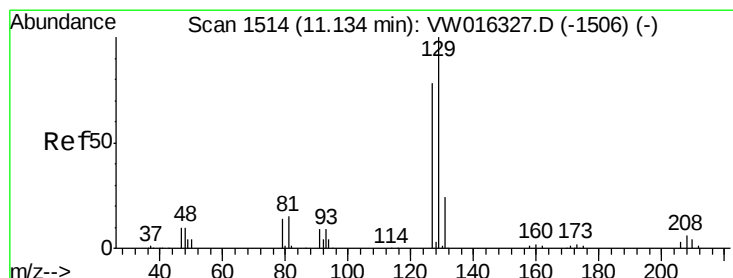
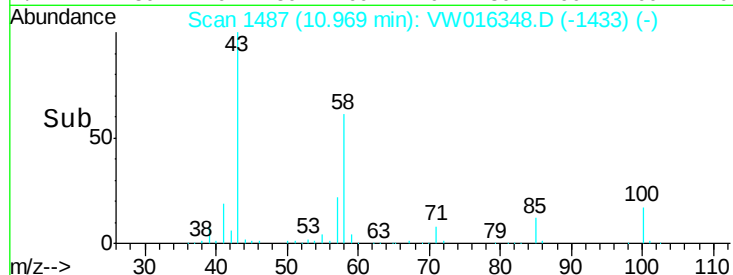
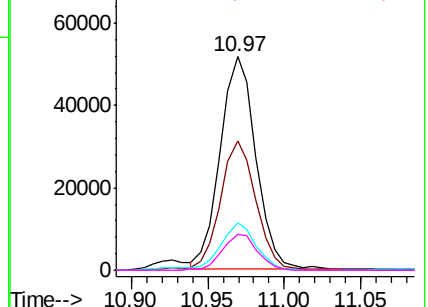


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.407 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016348.D

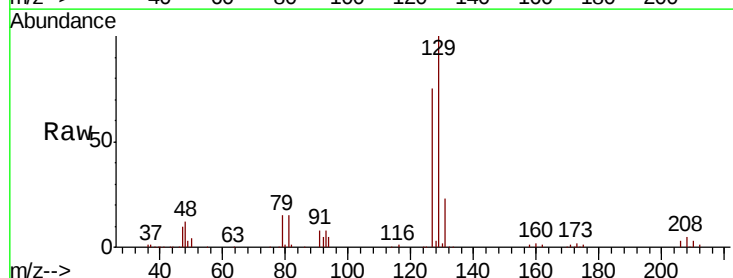
Acq: 25 Aug 2020 08:46

Tgt Ion: 129 Resp: 103064

Ion Ratio Lower Upper

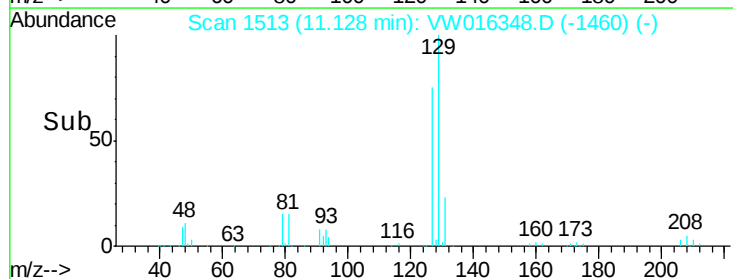
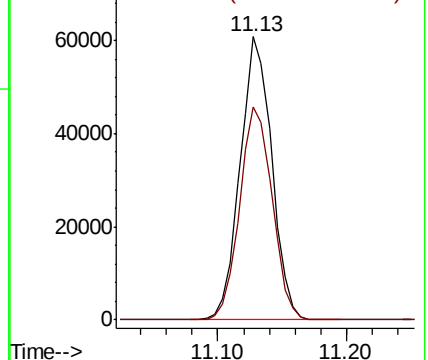
129 100

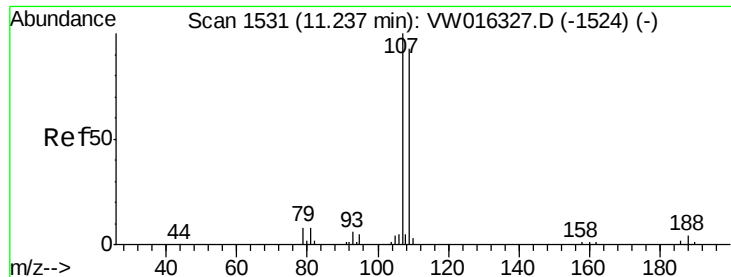
127 75.4 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 26.775 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

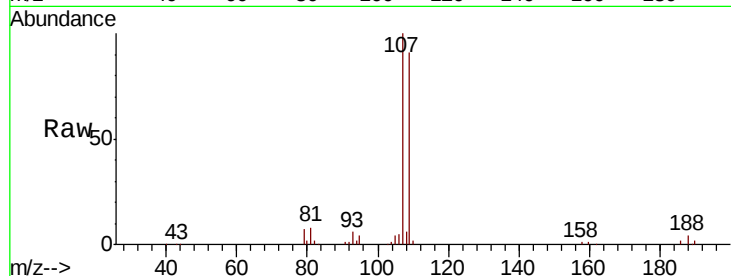
Tot Ion:107 Resp: 82128

Ion Ratio Lower Upper

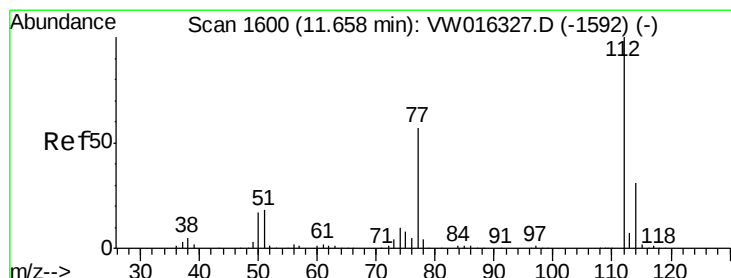
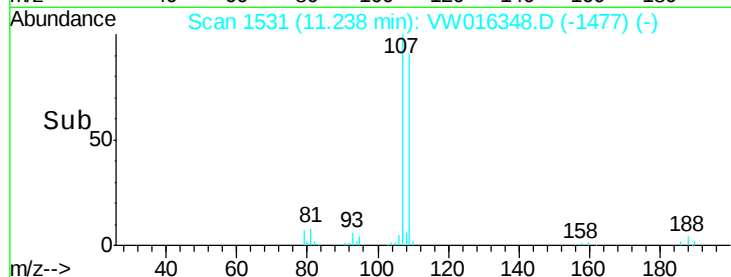
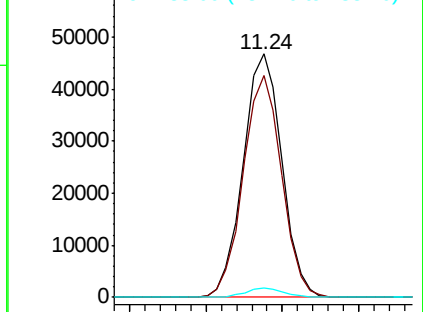
107 100

109 91.2 65.7 121.9

188 3.8 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.867 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

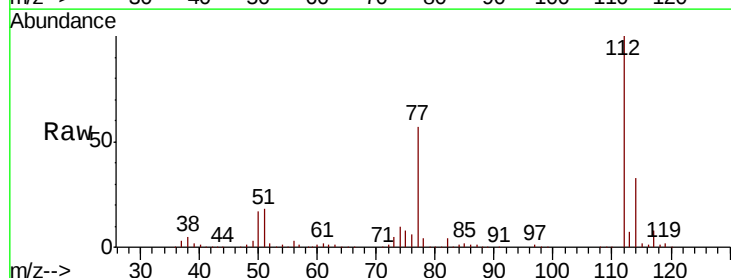
Tgt Ion:112 Resp: 291996

Ion Ratio Lower Upper

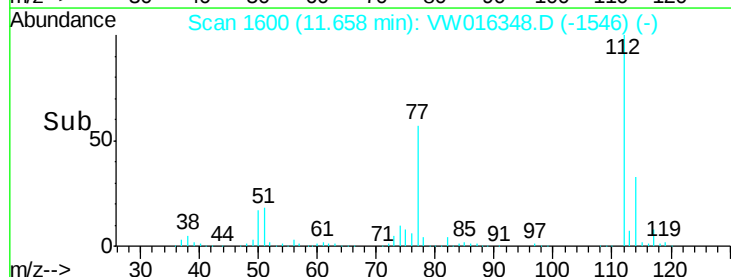
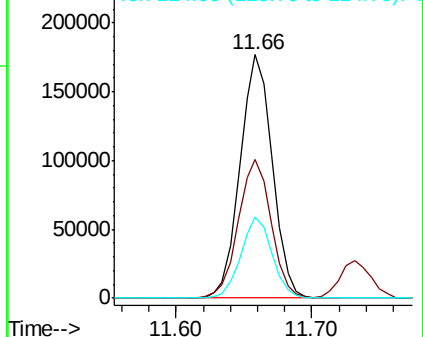
112 100

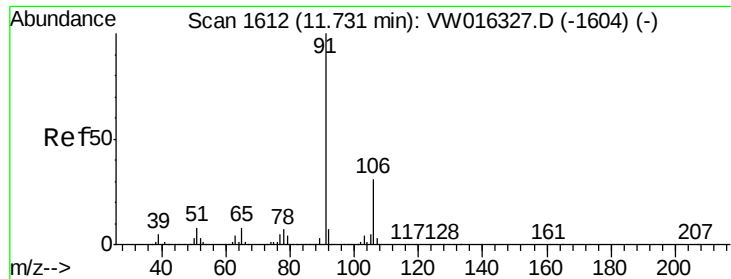
77 56.8 46.9 70.3

114 33.3 23.3 43.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

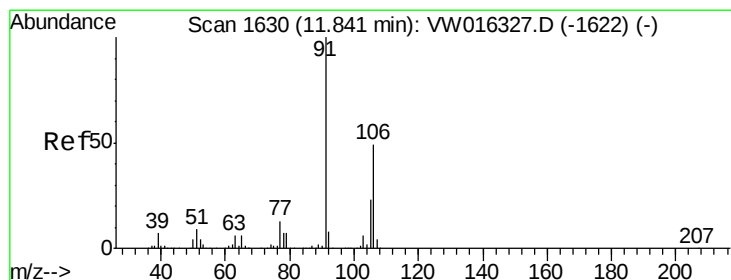
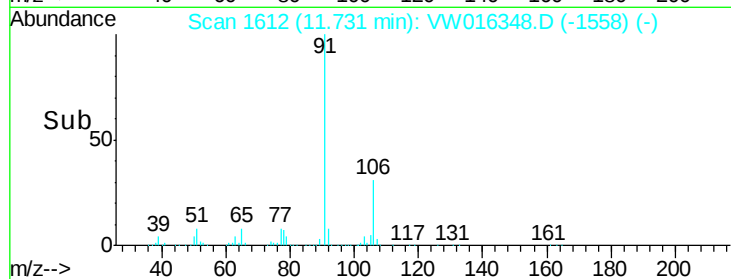
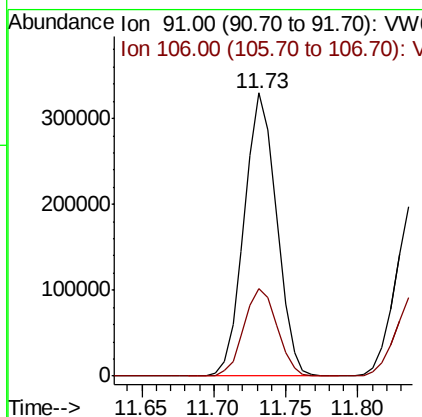
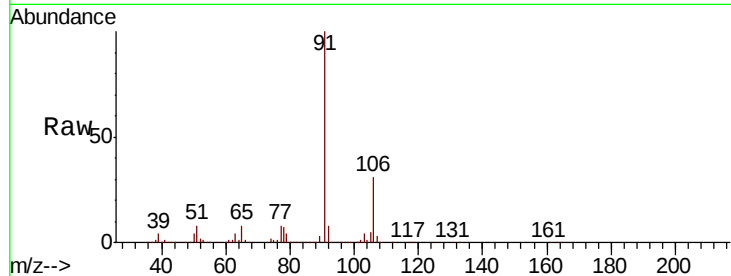




#53
Ethylbenzene
Concen: 25.442 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016348.D
Acq: 25 Aug 2020 08:46

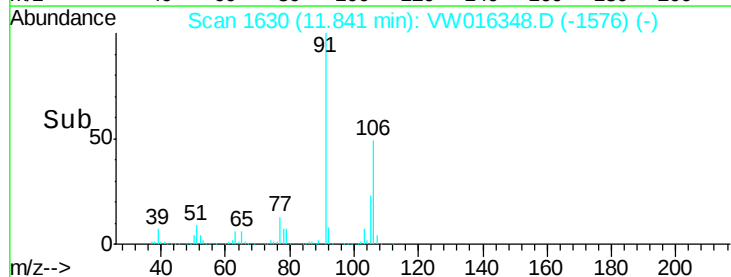
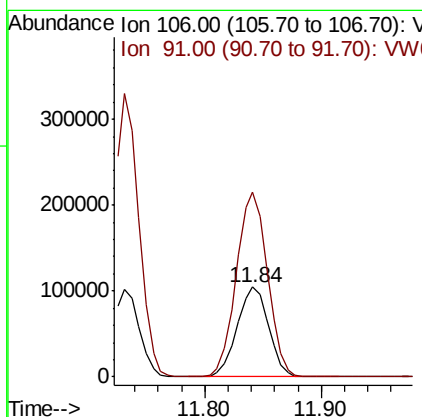
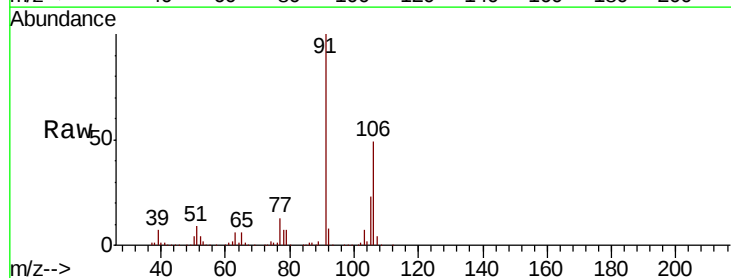
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

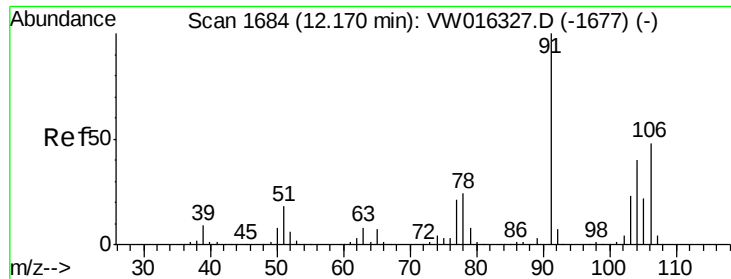
Tot Ion: 91 Resp: 514217
Ion Ratio Lower Upper
91 100
106 31.0 22.0 41.0



#54
m,p-Xylene
Concen: 25.402 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016348.D
Acq: 25 Aug 2020 08:46

Tgt Ion: 106 Resp: 197315
Ion Ratio Lower Upper
106 100
91 205.4 138.8 257.8





#55

o-xylene

Concen: 25.690 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampled :

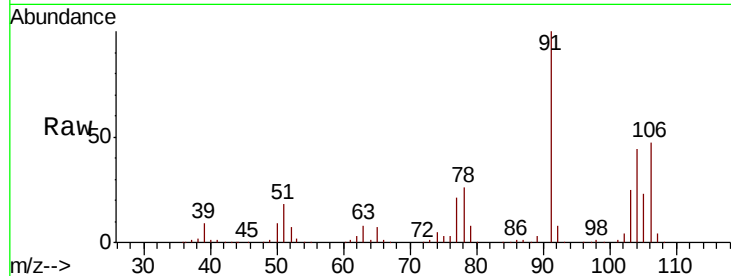
VSTD02525

Tot Ion:106 Resp: 187467

Ion Ratio Lower Upper

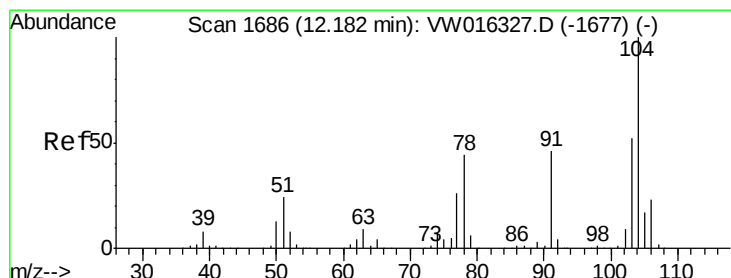
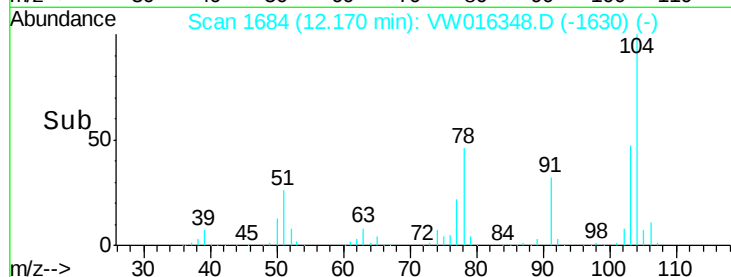
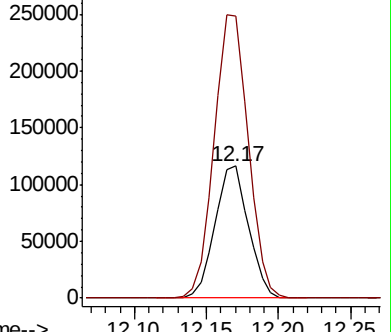
106 100

91 214.5 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.713 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016348.D

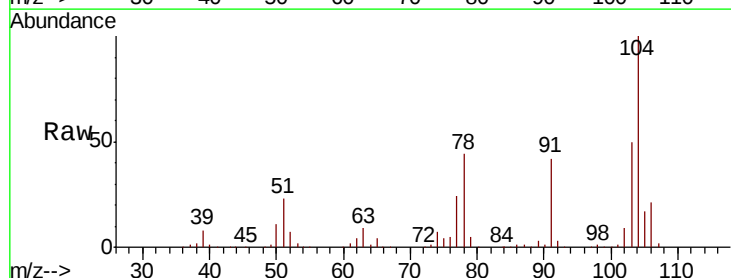
Acq: 25 Aug 2020 08:46

Tgt Ion:104 Resp: 328008

Ion Ratio Lower Upper

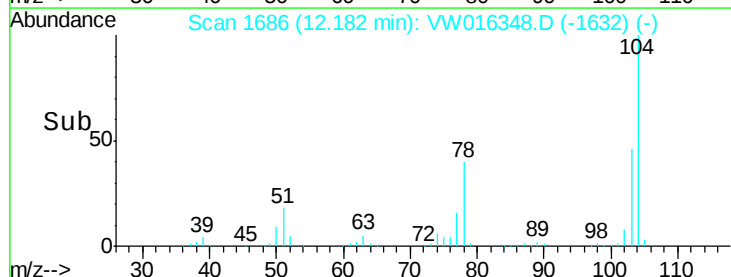
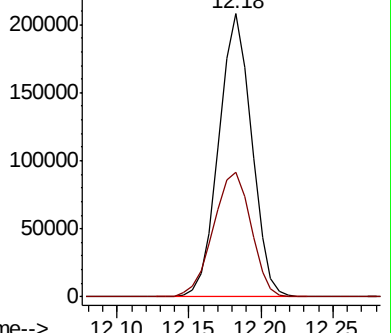
104 100

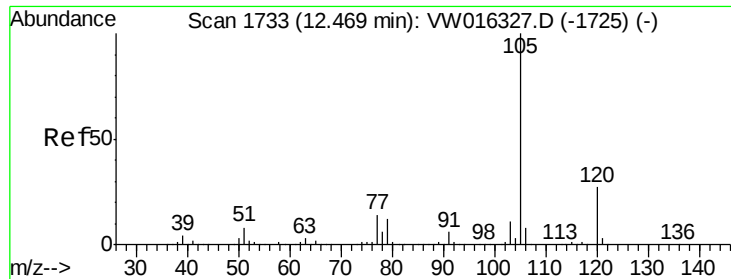
78 44.0 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.702 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleID :

VSTD02525

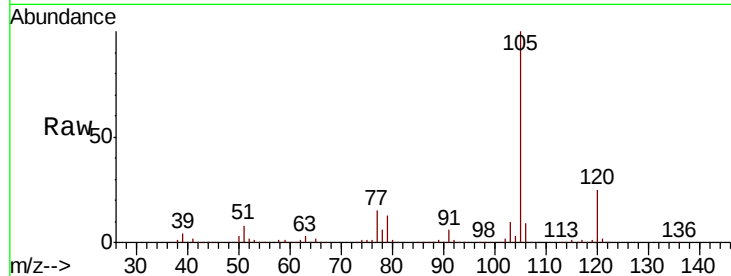
Tot Ion: 105 Resp: 522113

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

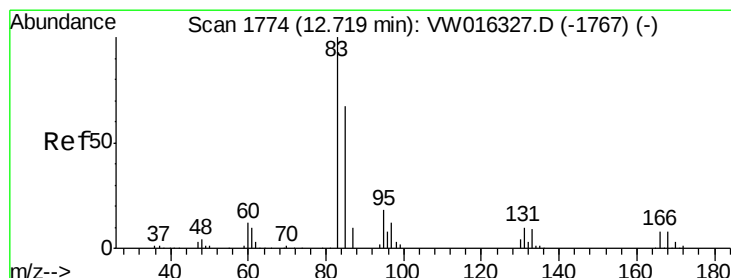
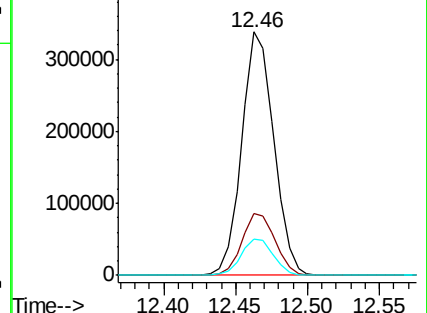
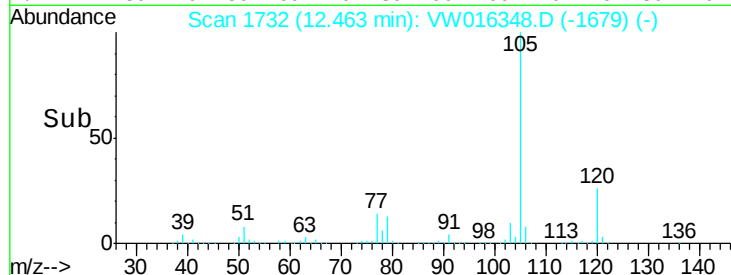
77 15.0 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.047 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

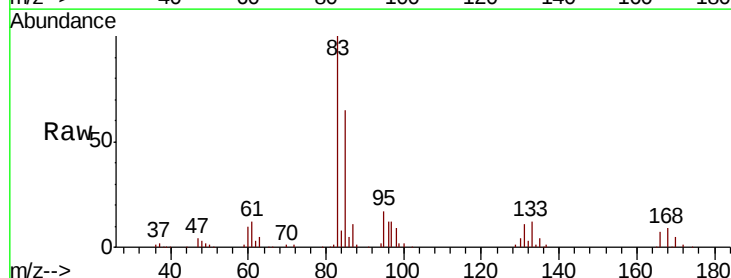
Tgt Ion: 83 Resp: 98901

Ion Ratio Lower Upper

83 100

85 65.1 46.0 85.4

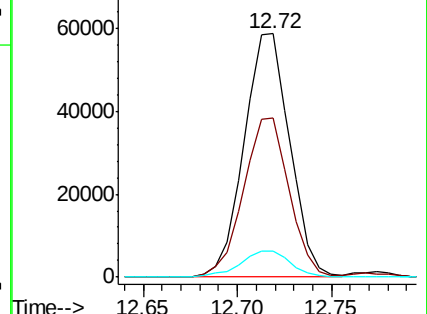
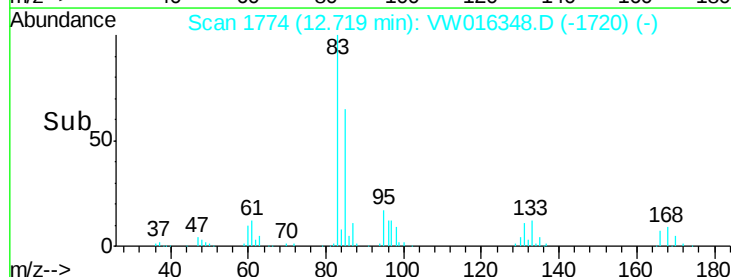
131 10.5 8.8 13.2

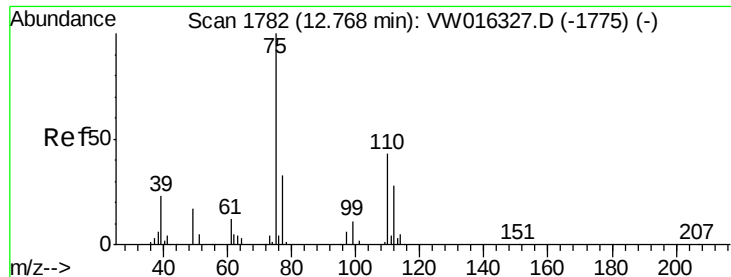


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.858 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

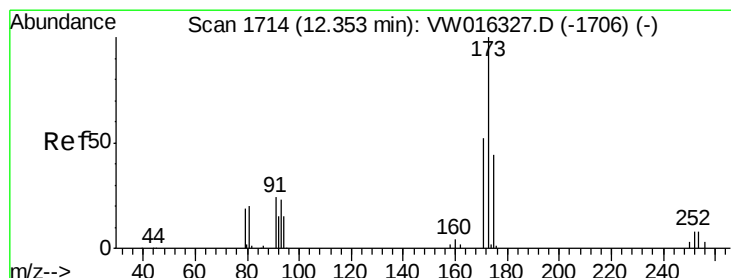
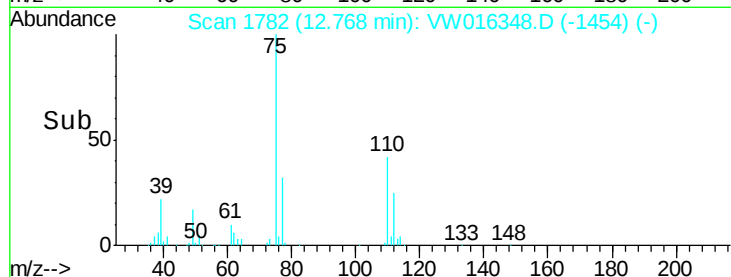
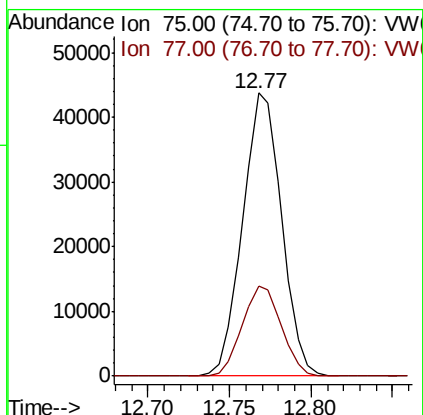
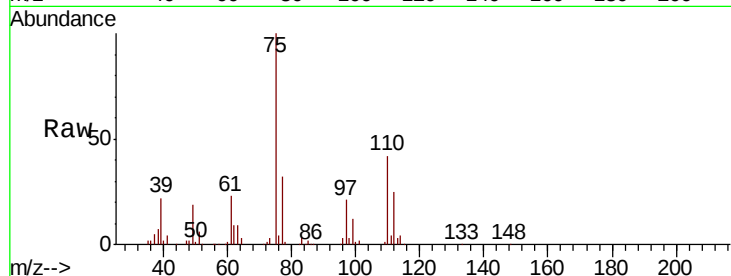
VSTD02525

Tot Ion: 75 Resp: 72736

Ion Ratio Lower Upper

75 100

77 31.9 27.1 40.7



#62

Bromoform

Concen: 24.623 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

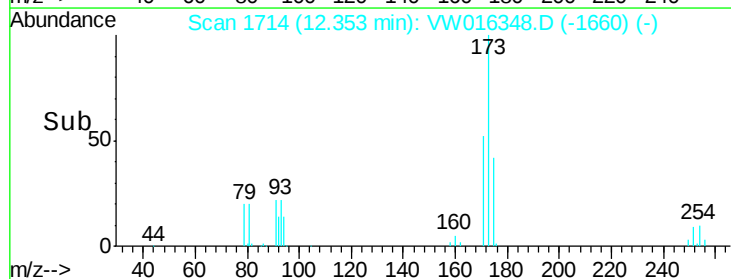
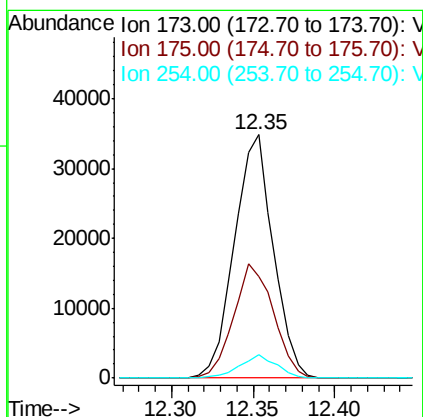
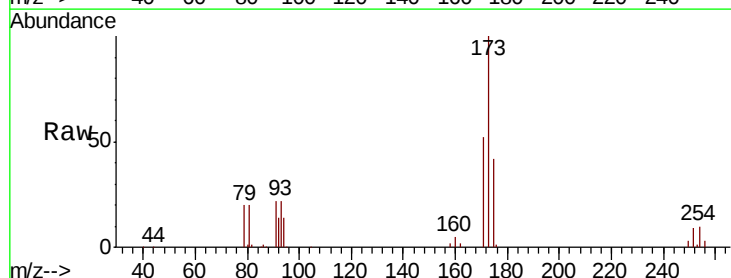
Tgt Ion: 173 Resp: 57827

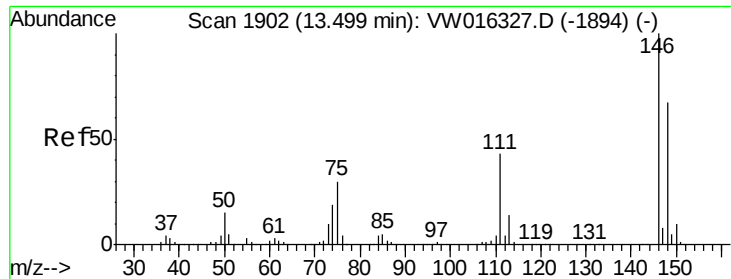
Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.4

254 9.0 6.9 10.3

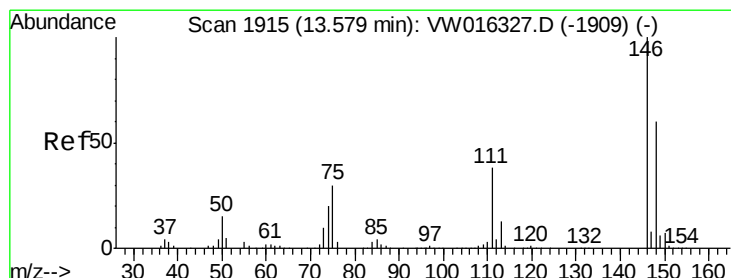
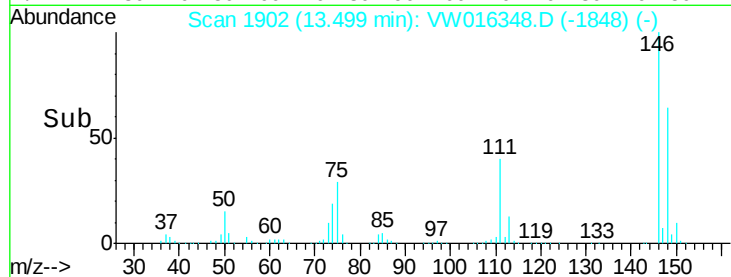
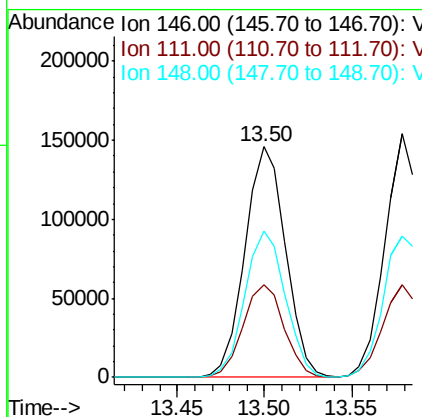
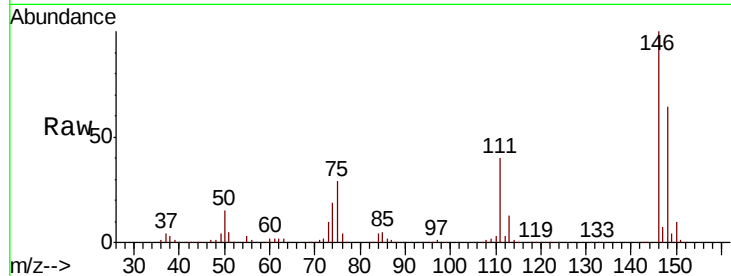




#63
 1,3-Dichlorobenzene
 Concen: 24.225 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016348.D
 Acq: 25 Aug 2020 08:46

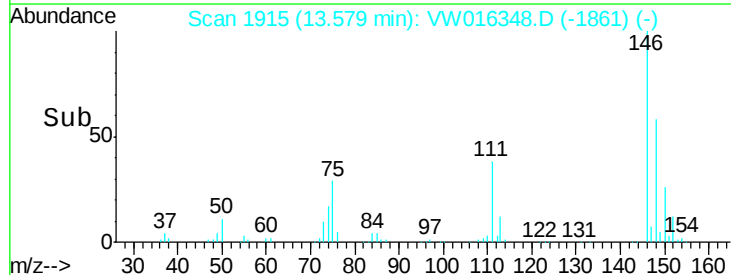
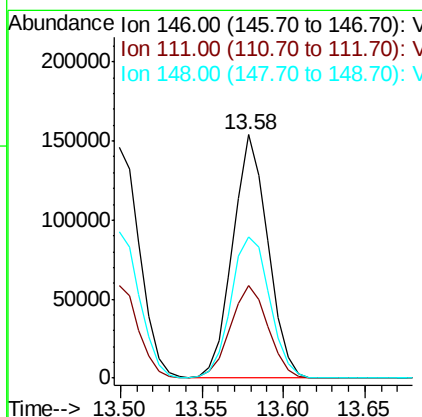
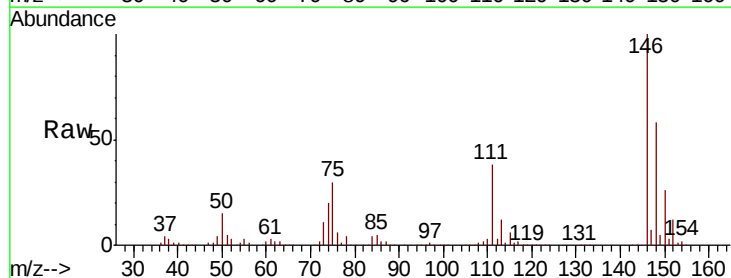
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

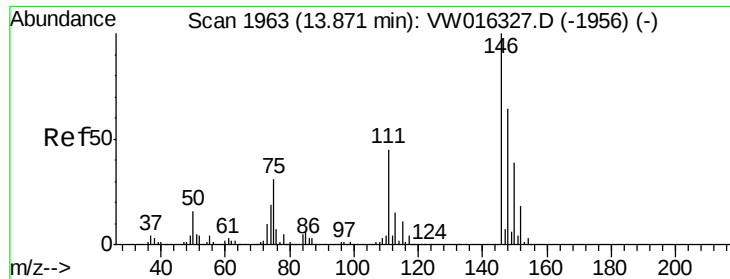
Tot Ion:146 Resp: 235911
 Ion Ratio Lower Upper
 146 100
 111 40.2 30.2 56.2
 148 63.6 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 23.464 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016348.D
 Acq: 25 Aug 2020 08:46

Tgt Ion:146 Resp: 231486
 Ion Ratio Lower Upper
 146 100
 111 38.2 28.0 52.0
 148 58.1 41.4 76.8

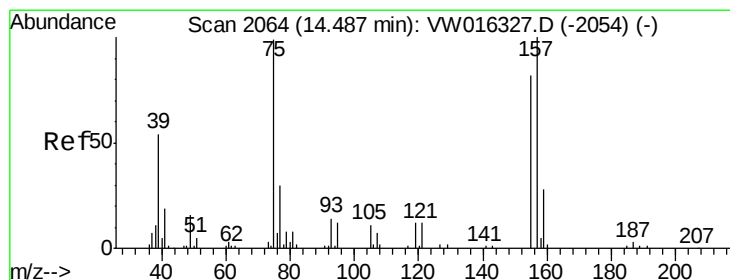
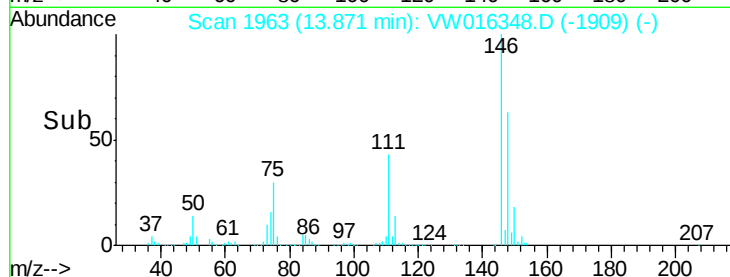
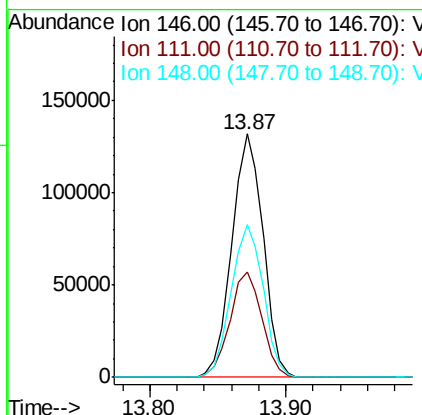
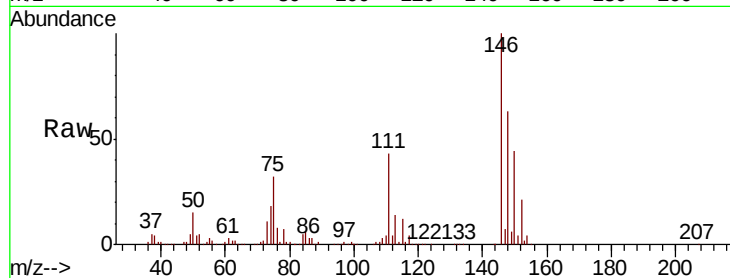




#65
 1,2-Dichlorobenzene
 Concen: 24.195 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016348.D
 Acq: 25 Aug 2020 08:46

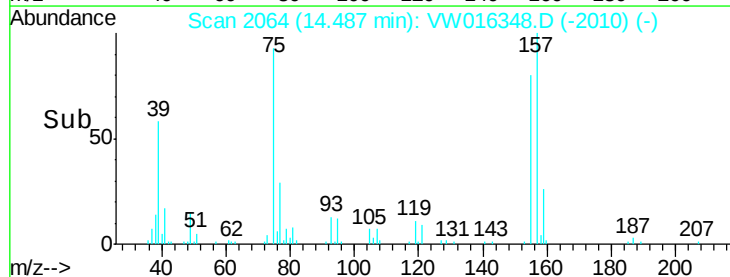
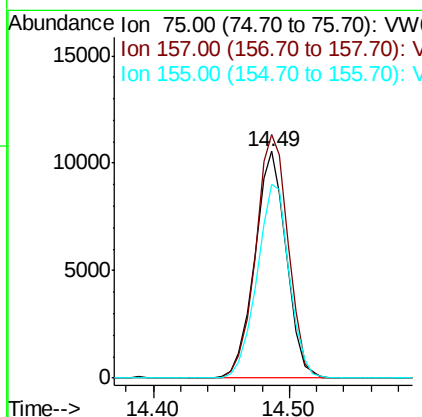
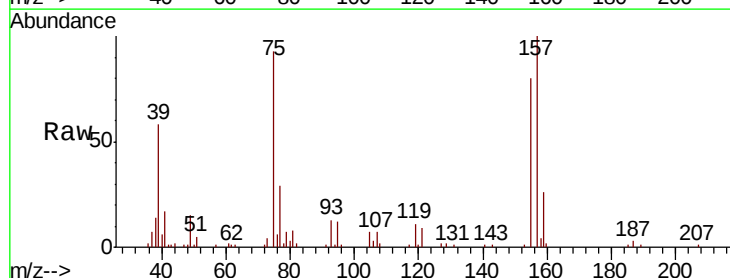
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

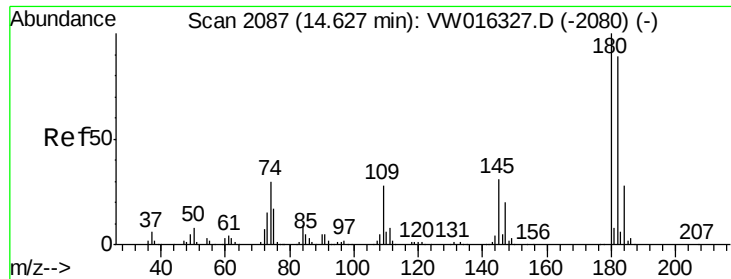
Tot Ion:146 Resp: 210396
 Ion Ratio Lower Upper
 146 100
 111 43.4 36.9 55.3
 148 62.9 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.047 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016348.D
 Acq: 25 Aug 2020 08:46

Tgt Ion: 75 Resp: 17122
 Ion Ratio Lower Upper
 75 100
 157 107.5 82.2 123.4
 155 85.6 66.8 100.2

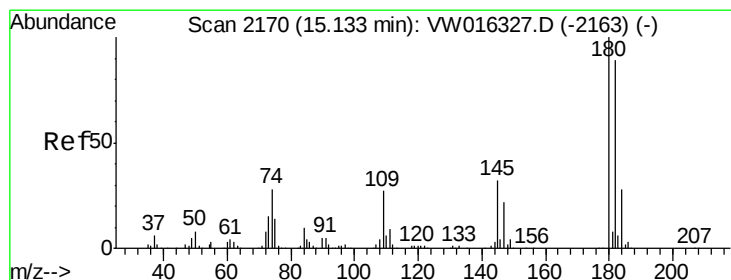
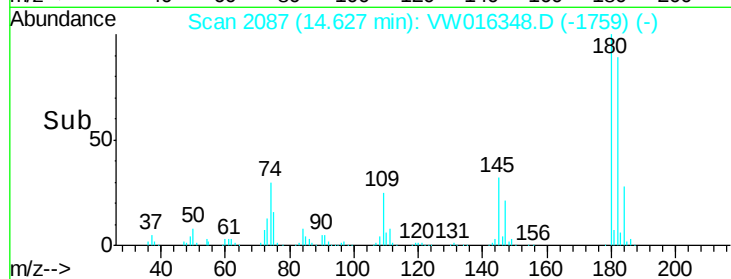
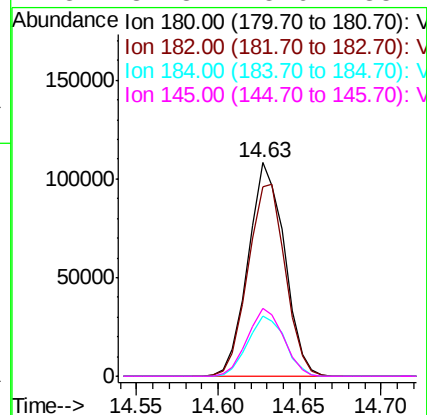
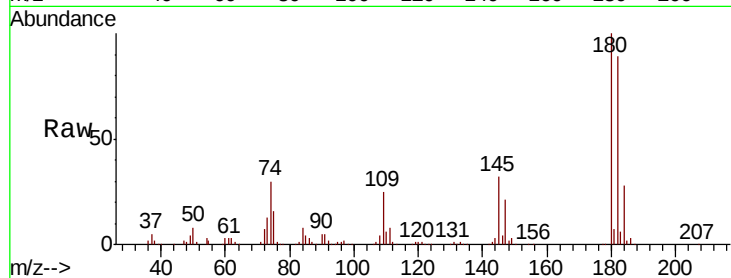




#67
 1,3,5-Trichlorobenzene
 Concen: 25.014 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016348.D
 Acq: 25 Aug 2020 08:46

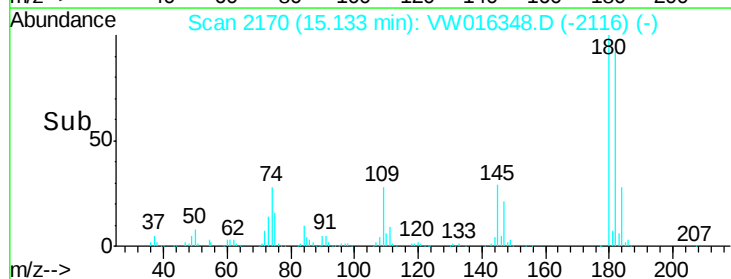
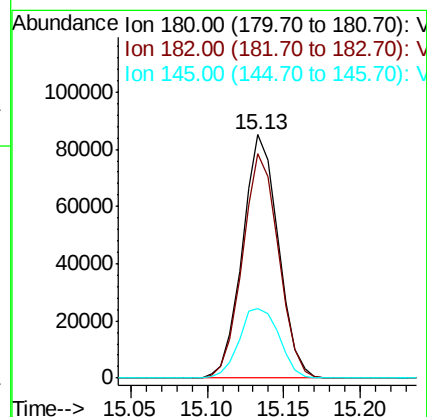
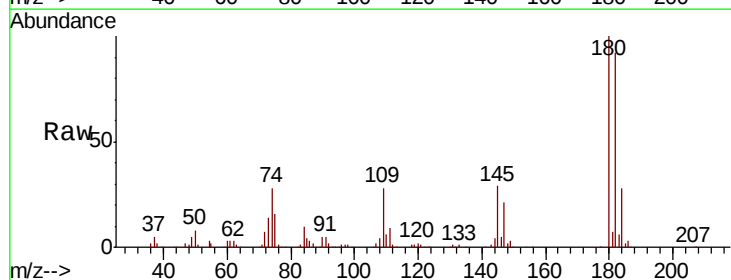
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

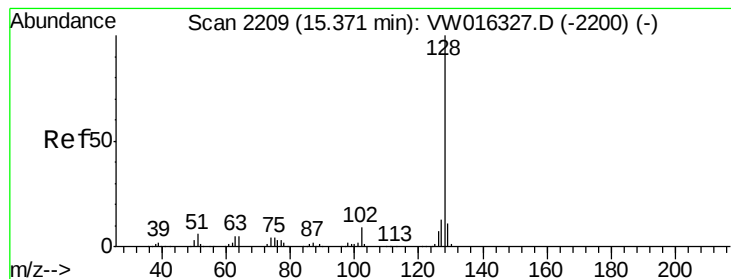
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	77.4	116.2
184	28.7	24.4	36.6
145	31.8	25.6	38.4



#68
 1,2,4-trichlorobenzene
 Concen: 25.944 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016348.D
 Acq: 25 Aug 2020 08:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	76.5	114.7
145	31.9	26.0	39.0





#69

Naphthalene

Concen: 27.690 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

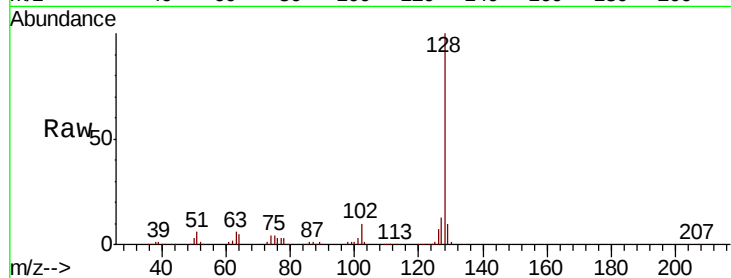
Tot Ion:128 Resp: 290157

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

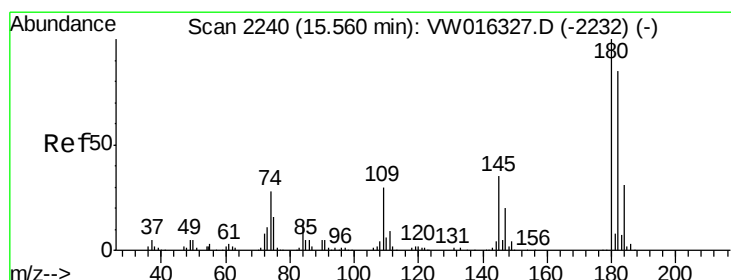
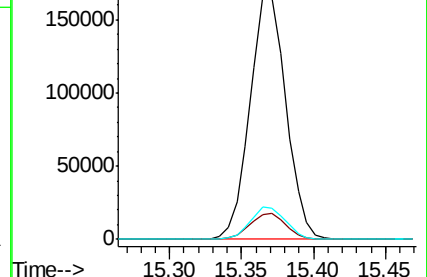
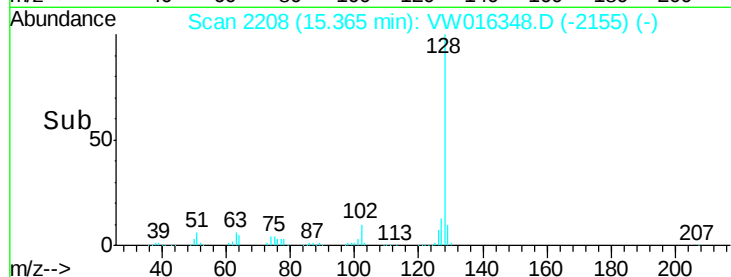
127 13.0 10.3 15.5



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: 25.315 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016348.D

Acq: 25 Aug 2020 08:46

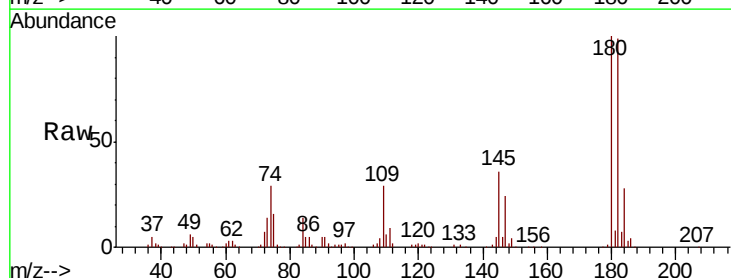
Tgt Ion:180 Resp: 118764

Ion Ratio Lower Upper

180 100

182 95.9 77.0 115.4

145 36.3 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

