

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
 Data File : VV017276.D
 Acq On : 01 Jul 2020 09:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Quant Time: Jul 02 02:48:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 21:41:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	174676	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	169509	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	91320	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	46742	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.58	69	41065	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.12	63	99029	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.20%
20) 2-Butanone-d5	3.95	46	132875	49.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.46%
24) Chloroform-d	4.37	84	126379	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.06	65	66312	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
32) Benzene-d6	5.07	84	221472	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.09	67	63946	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.33	98	203194	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
45) trans-1,3-Dichloropropene-	7.64	79	28542	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
48) 2-Hexanone-d5	8.11	63	104632	50.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.16%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	50457	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	82606	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	72776	5.219 ug/L	99
3) Chloromethane	1.25	50	56342	4.768 ug/L	100
5) Vinyl chloride	1.32	62	58089	5.068 ug/L	99
6) Bromomethane	1.53	94	36021	5.392 ug/L	96
8) Chloroethane	1.60	64	33812	5.338 ug/L	99
9) Trichlorofluoromethane	1.77	101	109741	5.912 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	50371	5.445 ug/L	95
12) 1,1-Dichloroethene	2.13	96	44732	5.336 ug/L	87
13) Acetone	2.24	43	26071	19.302 ug/L	47
14) Carbon disulfide	2.31	76	131003	5.215 ug/L	98
15) Methyl Acetate	2.46	43	14543	4.404 ug/L #	82
16) Methylene chloride	2.52	84	47149	5.252 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	116076	5.514 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	48583	5.469 ug/L	97
19) 1,1-Dichloroethane	3.21	63	109204	5.471 ug/L	98
21) 2-Butanone	4.04	43	120100	47.171 ug/L #	69
22) cis-1,2-Dichloroethene	3.94	96	61895	5.095 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
 Data File : VV017276.D
 Acq On : 01 Jul 2020 09:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Quant Time: Jul 02 02:48:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 21:41:10 2020
 Response via : Initial Calibration

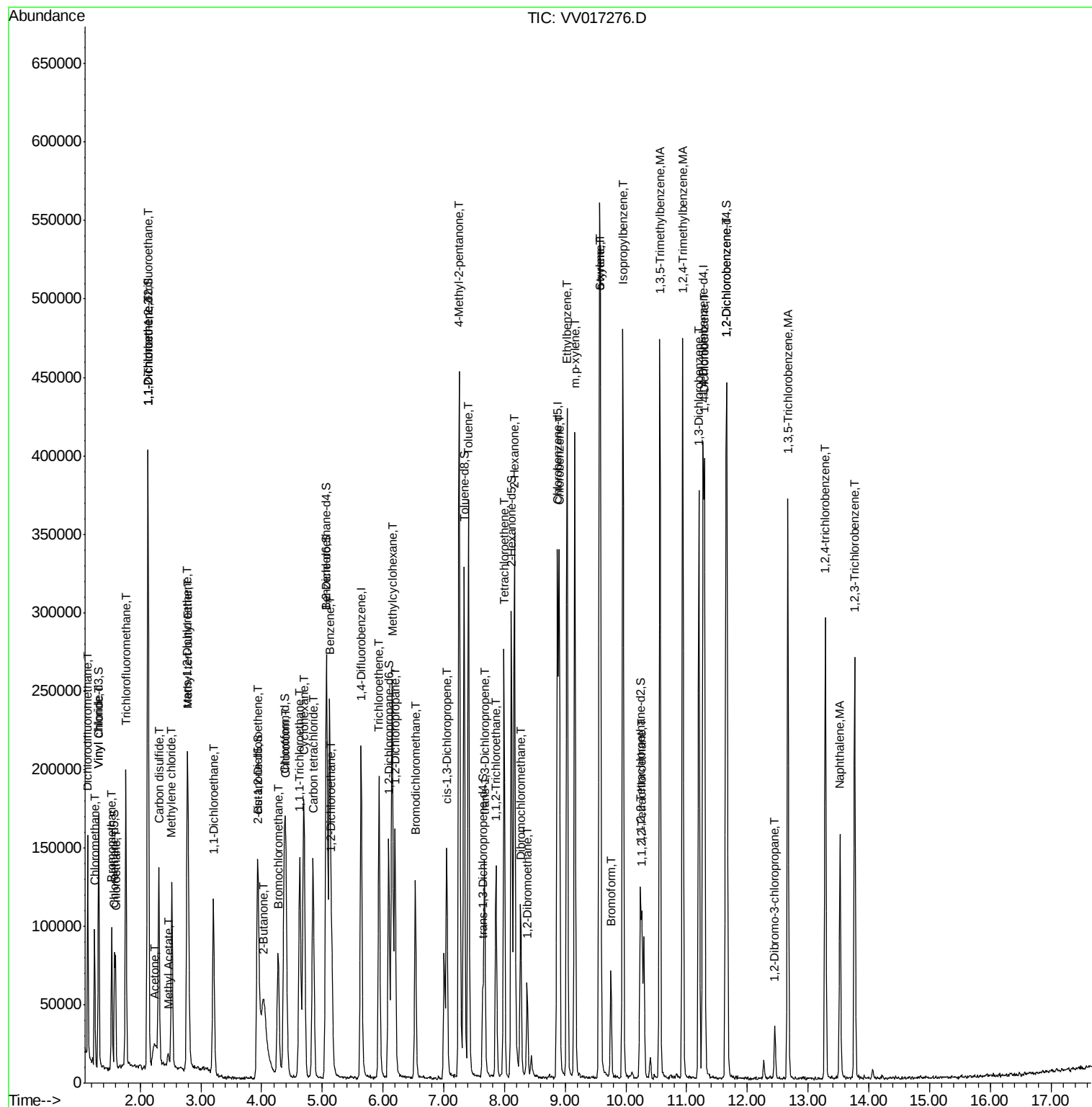
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	27468	5.320	ug/L	92
25) Chloroform	4.40	83	119361	5.475	ug/L	100
27) 1,2-Dichloroethane	5.15	62	72649	5.364	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	112283	5.529	ug/L	98
30) Cyclohexane	4.69	56	90489	4.682	ug/L	98
31) Carbon tetrachloride	4.85	117	103100	5.626	ug/L	98
33) Benzene	5.12	78	233144	5.252	ug/L	100
34) Trichloroethene	5.94	95	63069	4.852	ug/L	96
35) Methylcyclohexane	6.15	83	99277	4.913	ug/L	98
37) 1,2-Dichloropropane	6.20	63	57460	5.229	ug/L	100
38) Bromodichloromethane	6.53	83	80548	5.396	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	80912	4.956	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	317036	49.968	ug/L	99
42) Toluene	7.41	91	260159	5.041	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	240480	5.210	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	246977	5.255	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	73893	5.232	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	40762	5.230	ug/L	97
49) Tetrachloroethene	7.99	164	56219	5.373	ug/L	97
50) 2-Hexanone	8.16	43	230122	50.965	ug/L	98
51) Dibromochloromethane	8.27	129	54910	5.812	ug/L	94
52) 1,2-Dibromoethane	8.37	107	38765	5.244	ug/L	93
53) Chlorobenzene	8.90	112	166112	5.163	ug/L	98
54) Ethylbenzene	9.03	91	284153	5.158	ug/L	97
55) m,p-xylene	9.16	106	109618	5.073	ug/L	100
56) o-xylene	9.56	106	105735	5.244	ug/L	97
57) Styrene	9.58	104	179459	5.371	ug/L	100
58) Isopropylbenzene	9.95	105	290563	5.237	ug/L	99
60) 1,1,1,2-Tetrachloroethane	10.26	83	45593	5.655	ug/L	93
62) Bromoform	9.75	173	30536	6.250	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	142628	5.188	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	140865	5.041	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	129842	5.204	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	7867	5.700	ug/L	94
68) 1,3,5-Trichlorobenzene	12.67	180	109169	4.942	ug/L	98
69) 1,2,4-trichlorobenzene	13.28	180	86921	4.780	ug/L	99
70) Naphthalene	13.53	128	122702	4.779	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	78605	5.300	ug/L	100

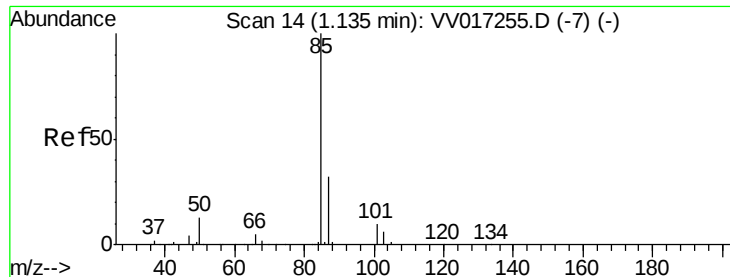
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
Data File : VV017276.D
Acq On : 01 Jul 2020 09:18
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

Quant Time: Jul 02 02:48:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 01 21:41:10 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.219 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

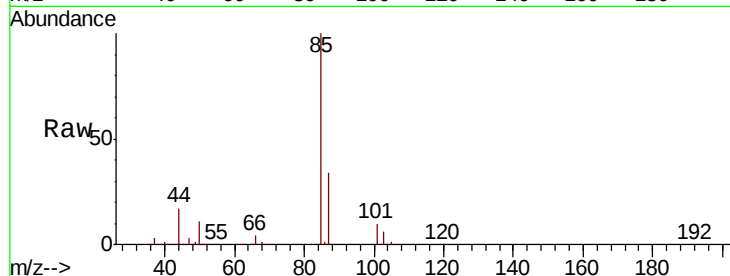
VSTD00542

Tot Ion: 85 Resp: 72776

Ion Ratio Lower Upper

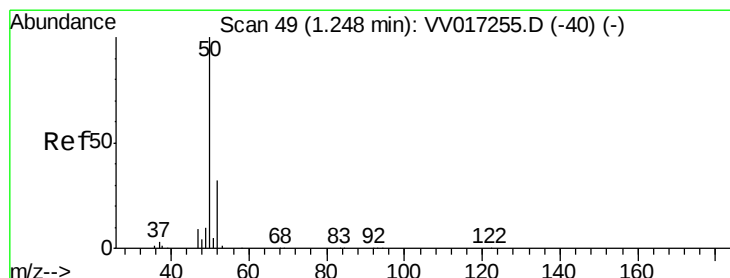
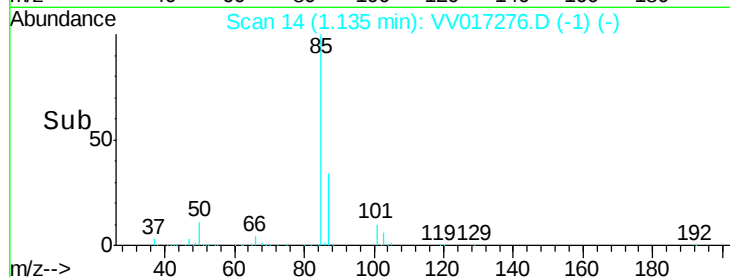
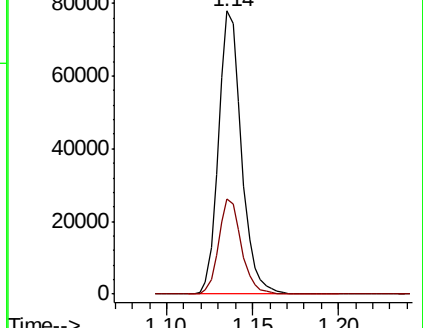
85 100

87 33.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017276.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017276.D (-1) (-)



#3

Chloromethane

Concen: 4.768 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017276.D

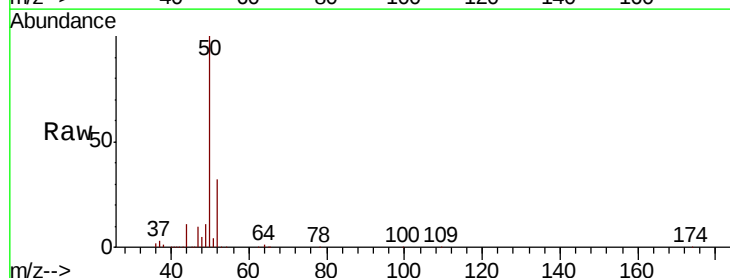
Acq: 01 Jul 2020 09:18

Tgt Ion: 50 Resp: 56342

Ion Ratio Lower Upper

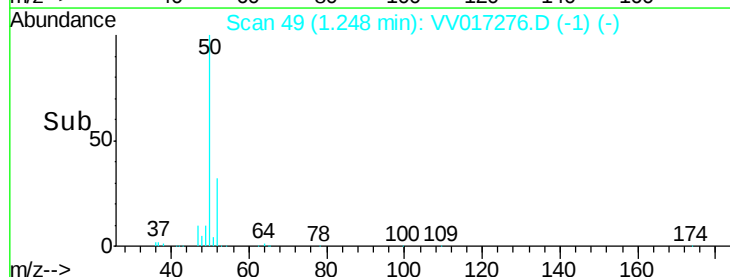
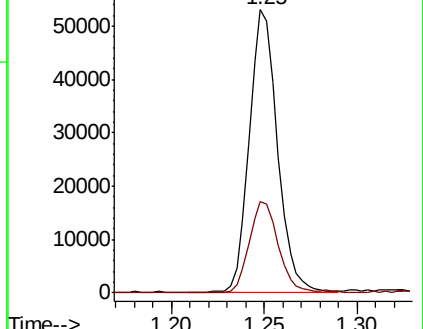
50 100

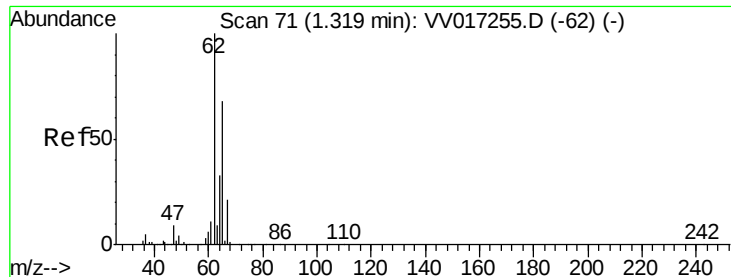
52 32.2 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV017276.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV017276.D (-1) (-)





#5

Vinyl chloride

Concen: 5.068 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

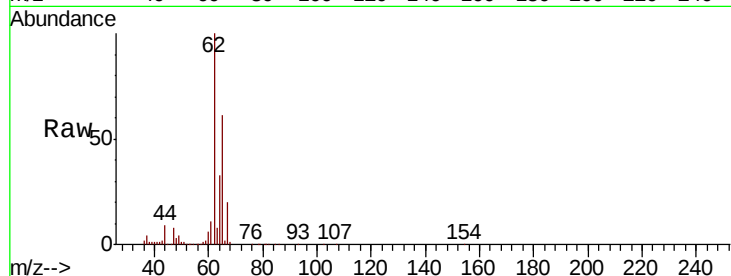
VSTD00542

Tot Ion: 62 Resp: 58089

Ion Ratio Lower Upper

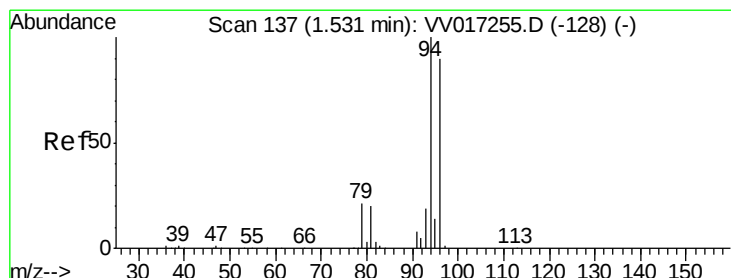
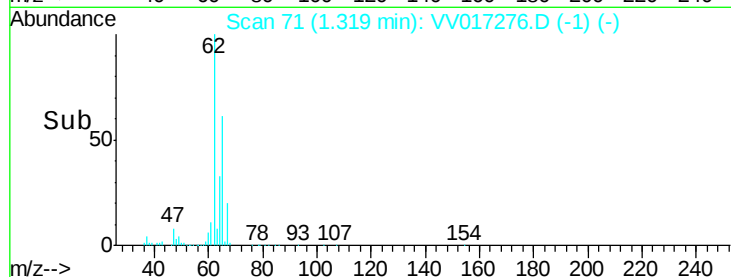
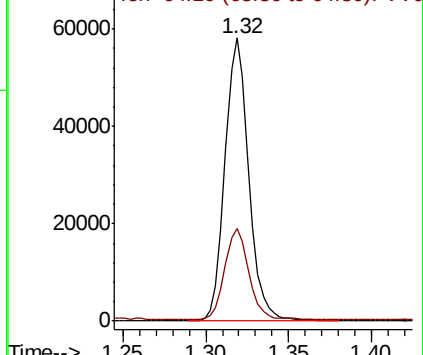
62 100

64 32.6 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.392 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017276.D

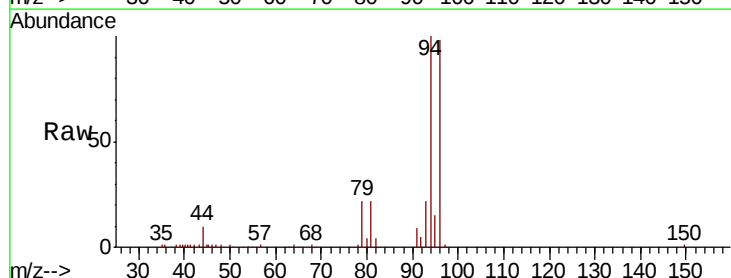
Acq: 01 Jul 2020 09:18

Tgt Ion: 94 Resp: 36021

Ion Ratio Lower Upper

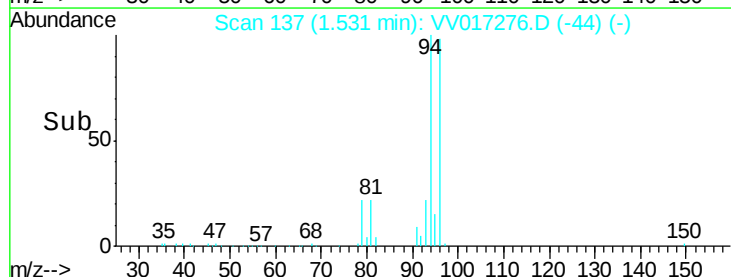
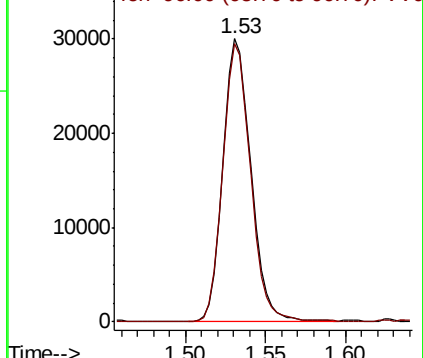
94 100

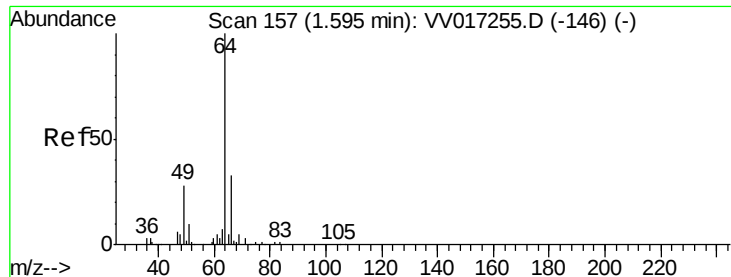
96 98.4 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.338 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

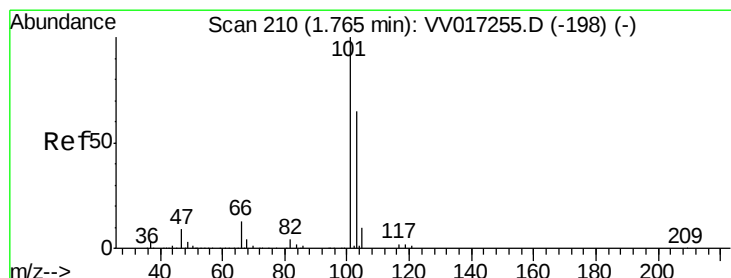
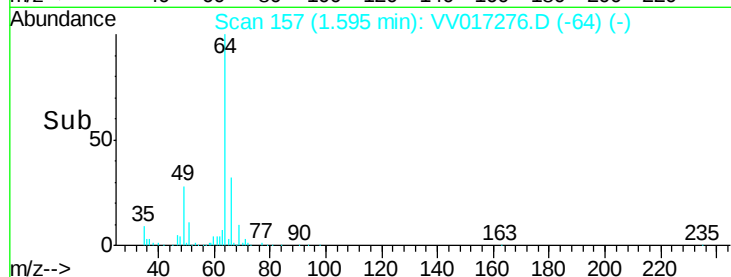
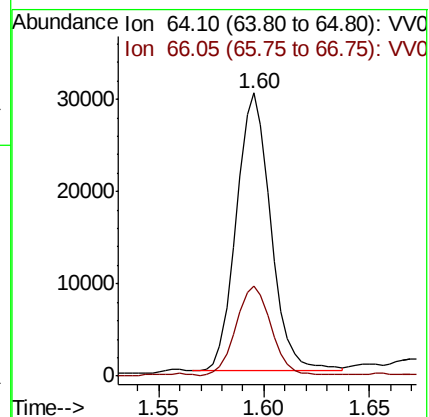
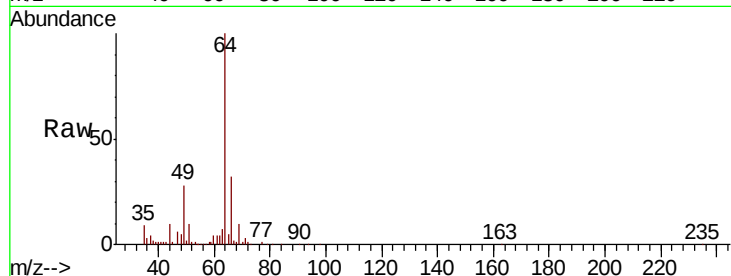
VSTD00542

Tot Ion: 64 Resp: 33812

Ion Ratio Lower Upper

64 100

66 31.9 22.8 42.4



#9

Trichlorofluoromethane

Concen: 5.912 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017276.D

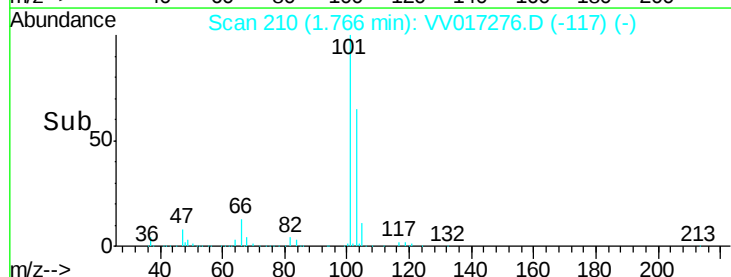
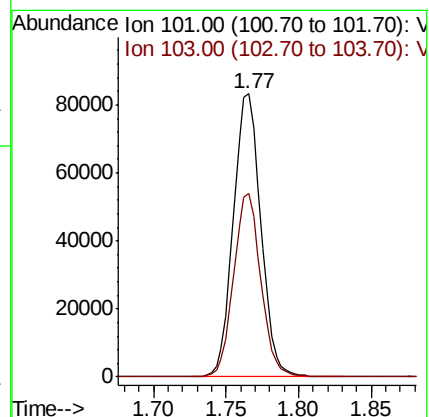
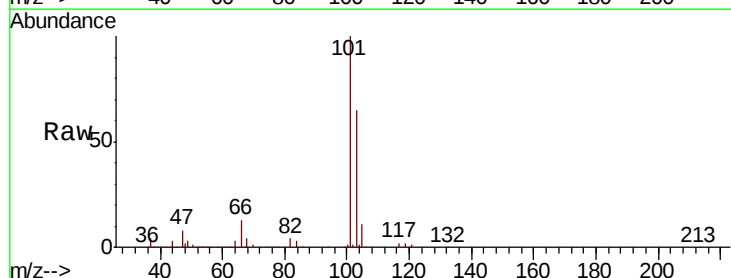
Acq: 01 Jul 2020 09:18

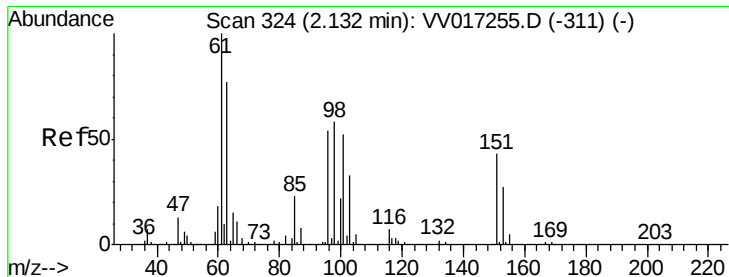
Tgt Ion: 101 Resp: 109741

Ion Ratio Lower Upper

101 100

103 64.2 50.9 76.3





#10

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

Concen: 5.445 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

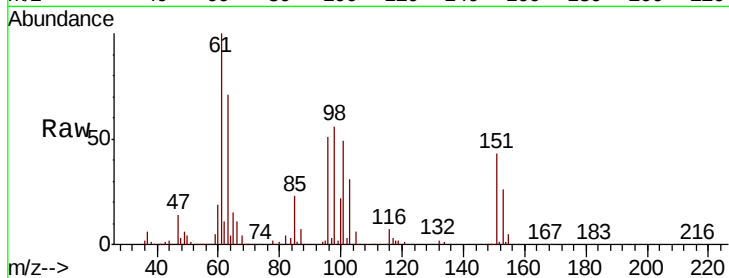
Tot Ion:101 Resp: 50371

Ion Ratio Lower Upper

101 100

85 46.1 35.4 53.2

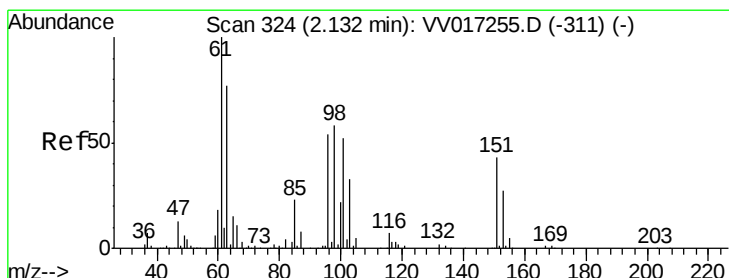
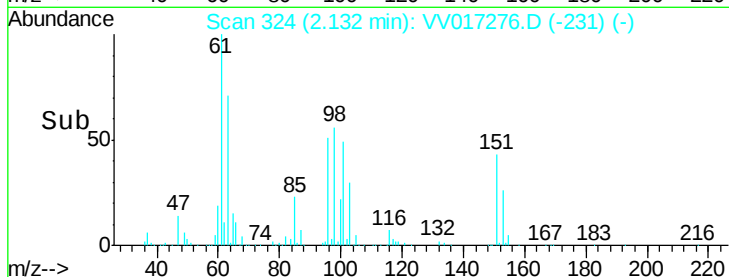
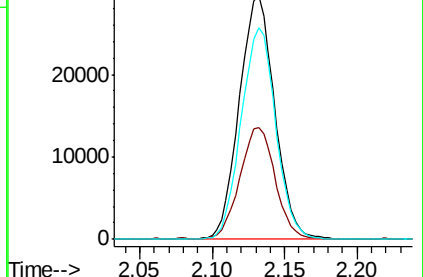
151 84.9 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV017276.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV017276.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV017276.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 5.336 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

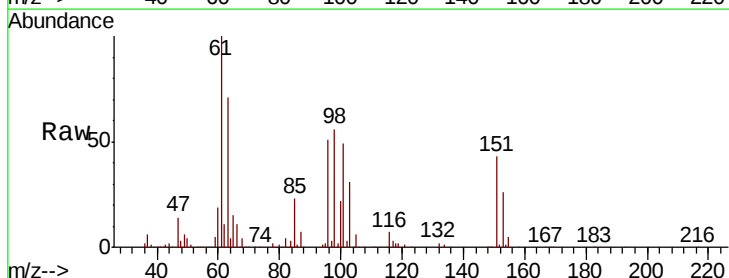
Tgt Ion: 96 Resp: 44732

Ion Ratio Lower Upper

96 100

61 195.5 125.0 232.2

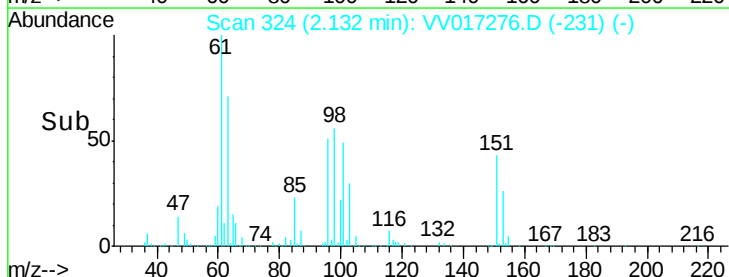
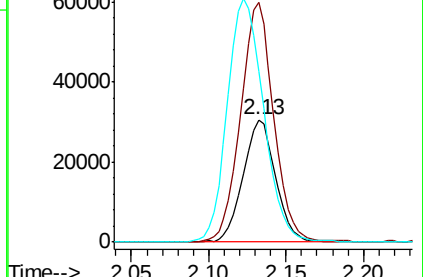
63 139.2 109.8 203.8

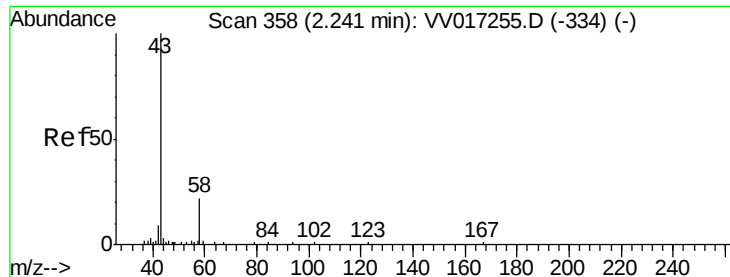


Abundance Ion 96.00 (95.70 to 96.70): VV017276.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV017276.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017276.D (-231) (-)





#13

Acetone

Concen: 19.302 ug/L

RT: 2.24 min Scan# 357

Delta R.T. -0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

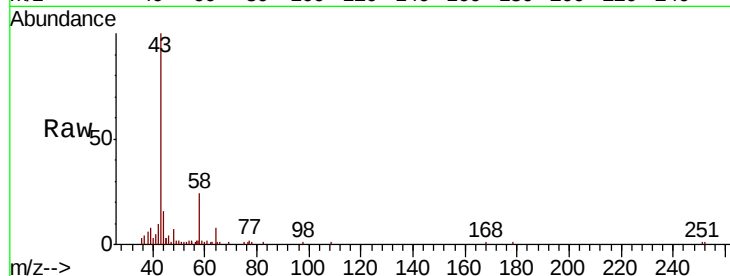
VSTD00542

Tot Ion: 43 Resp: 26071

Ion Ratio Lower Upper

43 100

58 0.7 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

12000

10000

8000

6000

4000

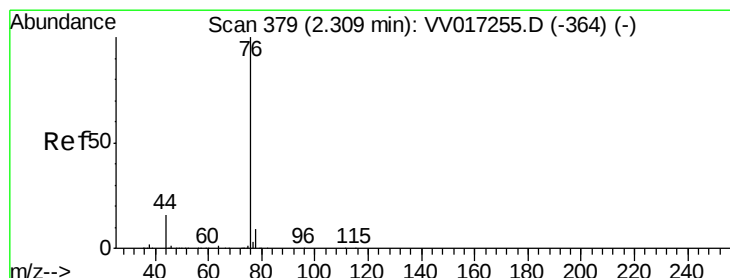
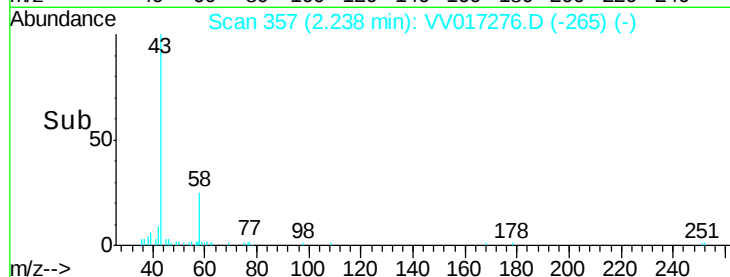
2000

0

Time-->

2.15 2.20 2.25

2.24



#14

Carbon disulfide

Concen: 5.215 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017276.D

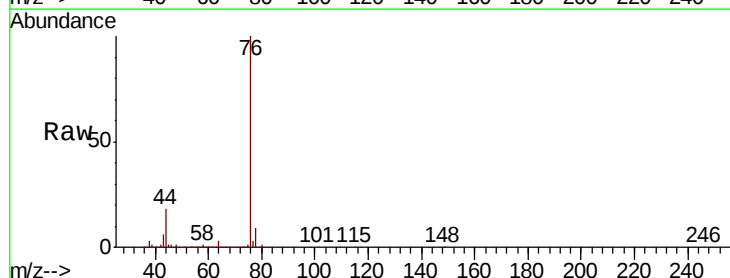
Acq: 01 Jul 2020 09:18

Tgt Ion: 76 Resp: 131003

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

100000

80000

60000

40000

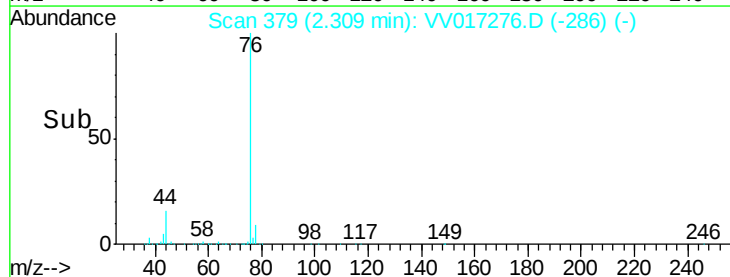
20000

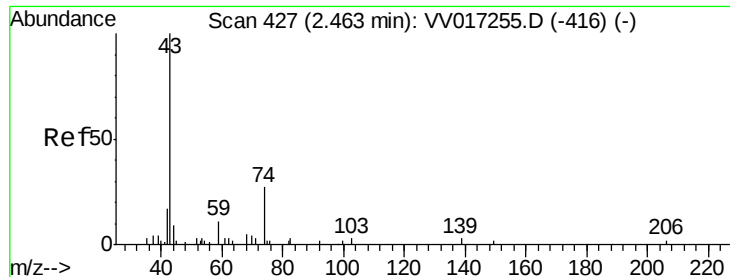
0

Time-->

2.25 2.30 2.35

2.31

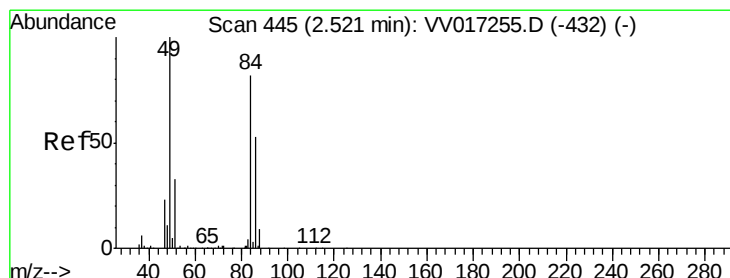
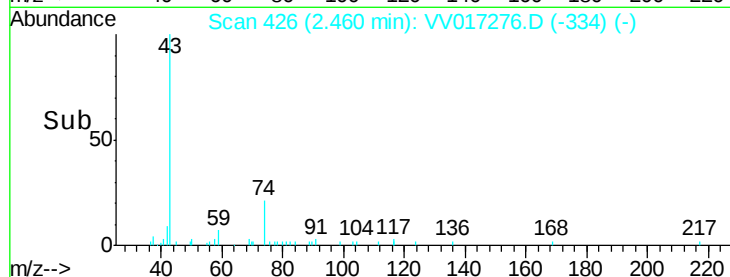
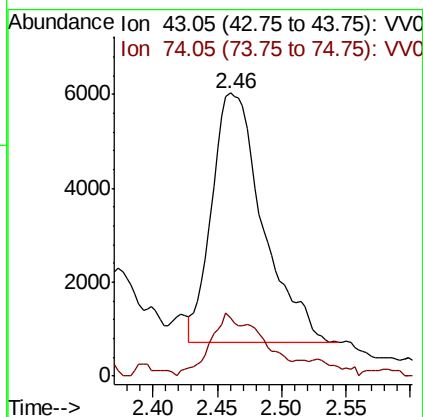
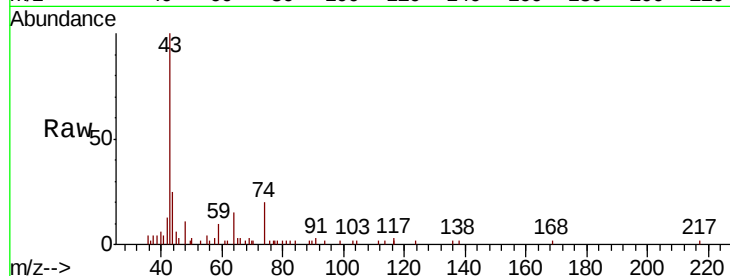




#15
Methvl Acetate
Concen: 4.404 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

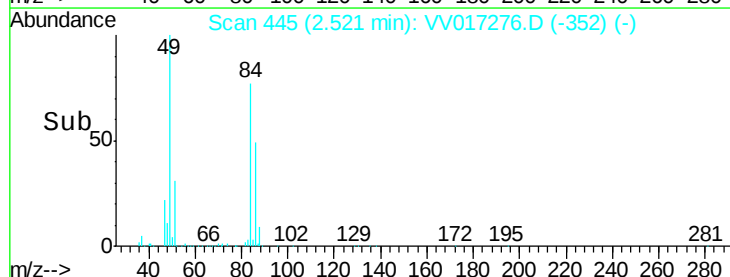
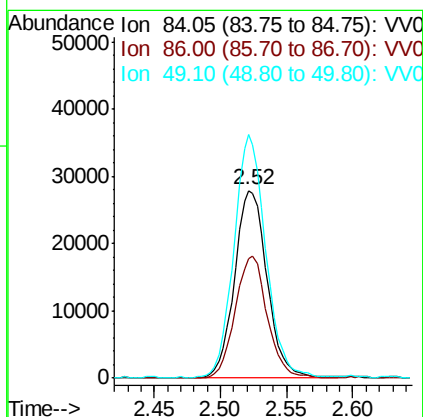
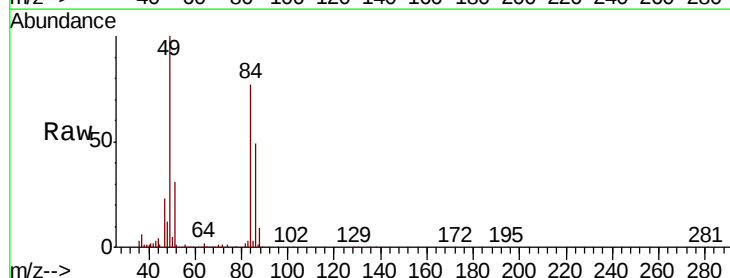
Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

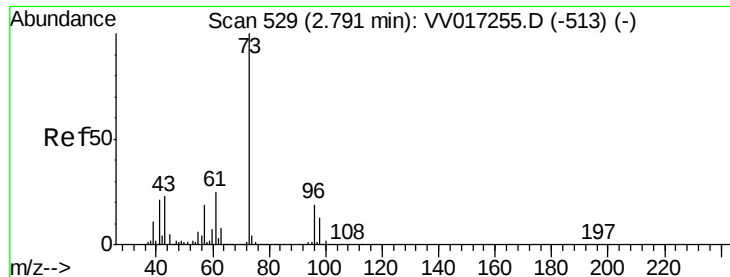
Tot Ion: 43 Resp: 14543
Ion Ratio Lower Upper
43 100
74 14.9 19.1 28.7#



#16
Methylene chloride
Concen: 5.252 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

Tgt Ion: 84 Resp: 47149
Ion Ratio Lower Upper
84 100
86 64.0 45.8 85.0
49 129.7 89.6 166.4



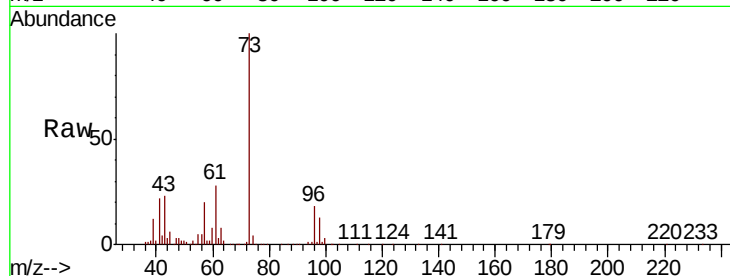


#17

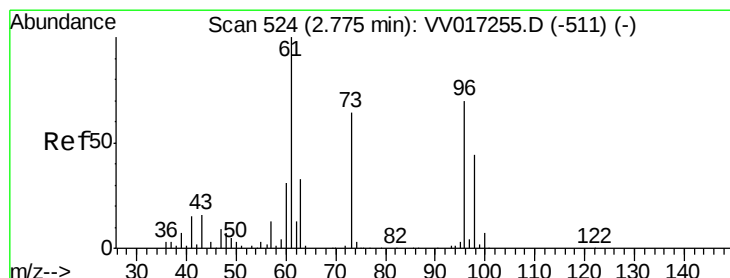
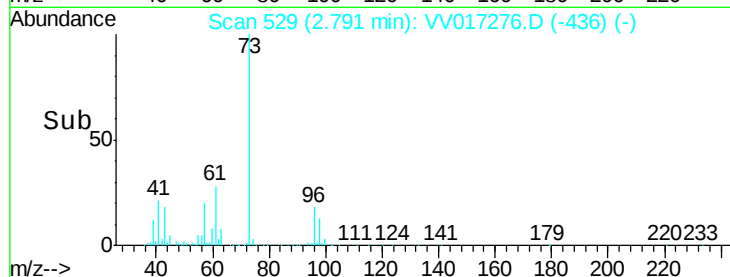
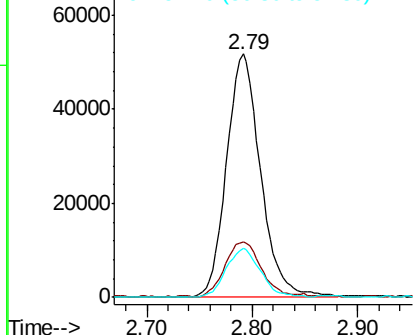
Methvl tert-butvl Ether
 Concen: 5.514 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Tot Ion: 73 Resp: 116076
 Ion Ratio Lower Upper
 73 100
 43 24.4 18.6 28.0
 57 20.1 16.4 24.6



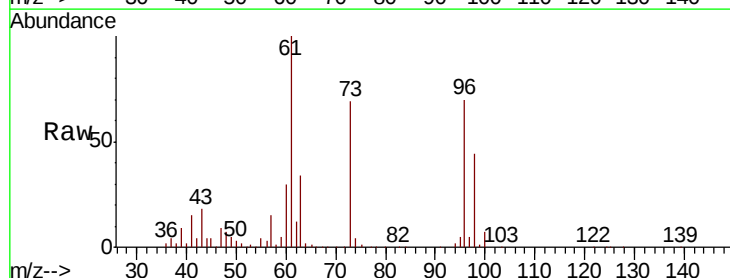
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



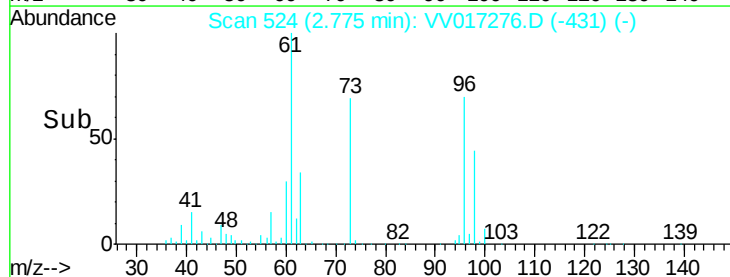
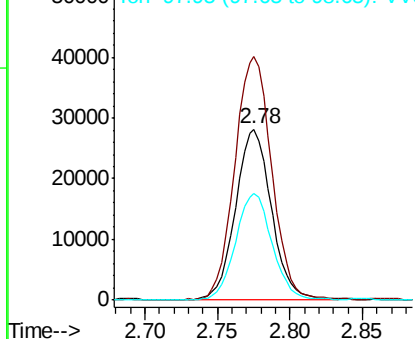
#18

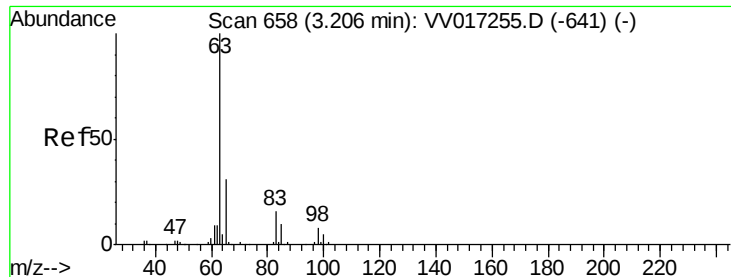
trans-1,2-Dichloroethene
 Concen: 5.469 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Tgt Ion: 96 Resp: 48583
 Ion Ratio Lower Upper
 96 100
 61 142.2 102.3 189.9
 98 62.6 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

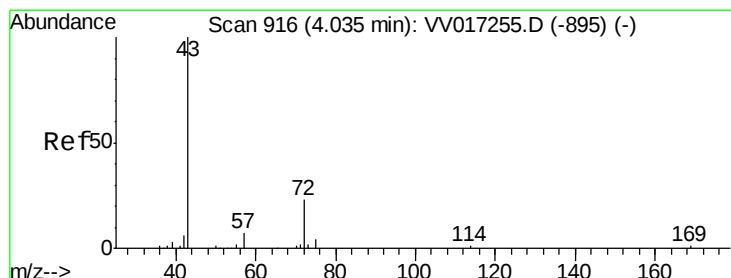
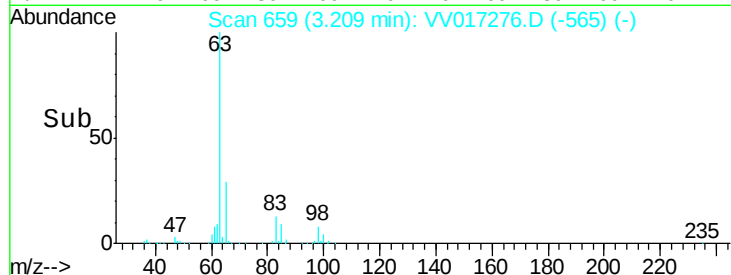
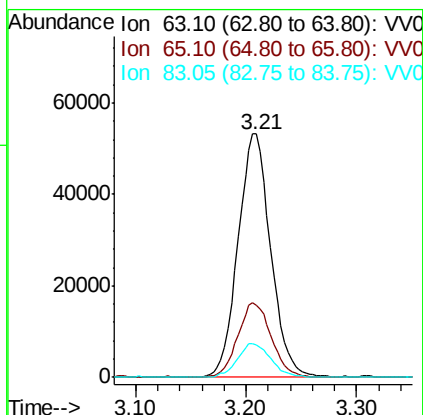
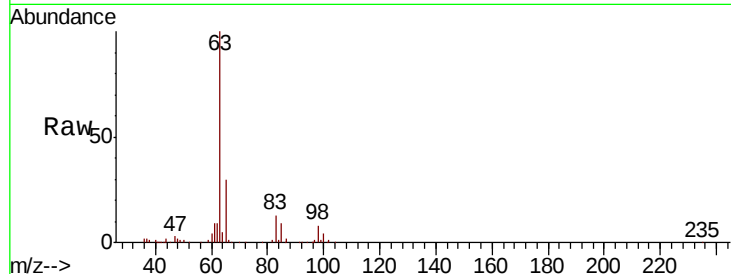




#19
 1,1-Dichloroethane
 Concen: 5.471 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

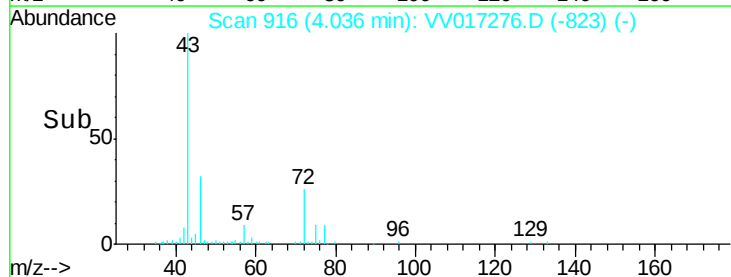
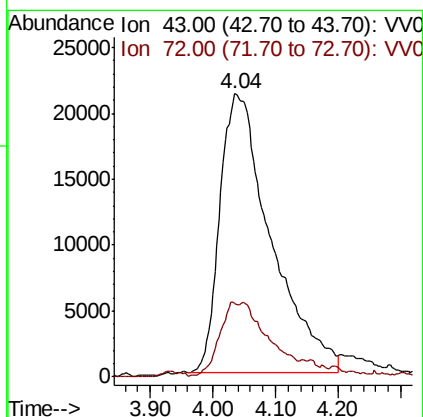
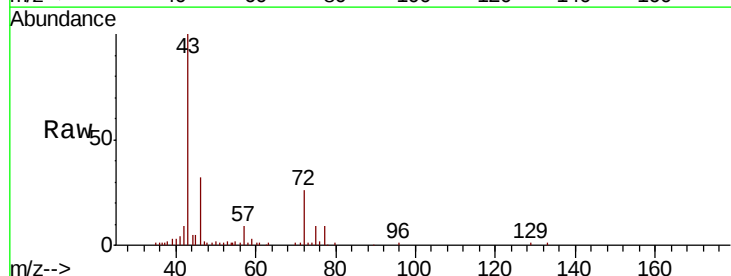
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

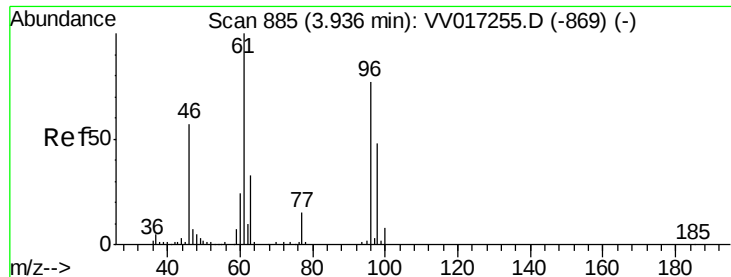
Tot Ion: 63 Resp: 109204
 Ion Ratio Lower Upper
 63 100
 65 29.6 21.8 40.4
 83 13.2 9.7 17.9



#21
 2-Butanone
 Concen: 47.171 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Tgt Ion: 43 Resp: 120100
 Ion Ratio Lower Upper
 43 100
 72 9.4 12.4 37.4#





#22

cis-1,2-Dichloroethene

Concen: 5.095 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

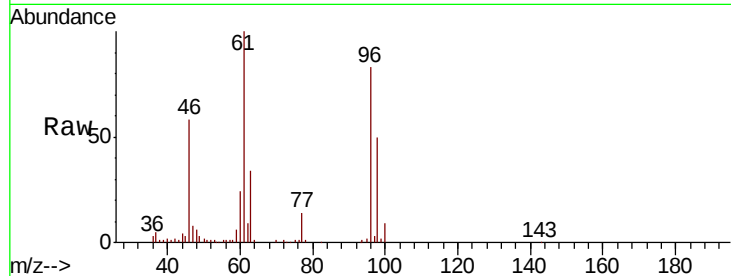
Tot Ion: 96 Resp: 61895

Ion Ratio Lower Upper

96 100

61 121.0 91.0 169.0

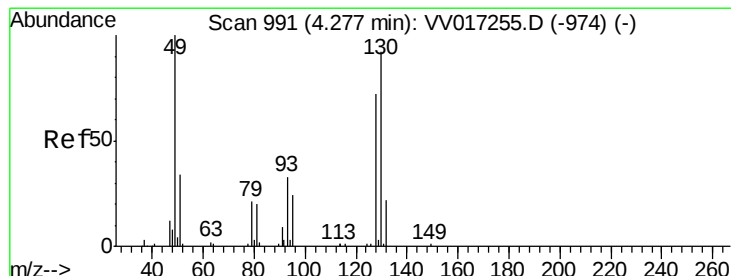
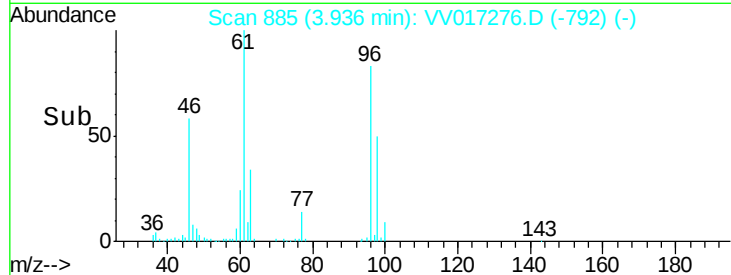
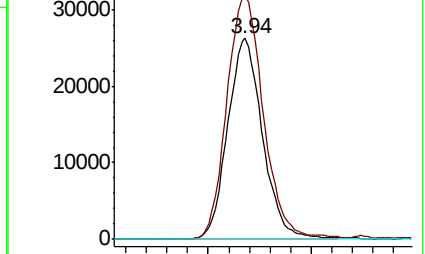
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017276.D (-898) (-)

Ion 61.05 (60.75 to 61.75): VV017276.D (-898) (-)

Ion 68.15 (67.85 to 68.85): VV017276.D (-898) (-)



#23

Bromochloromethane

Concen: 5.320 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Tgt Ion: 128 Resp: 27468

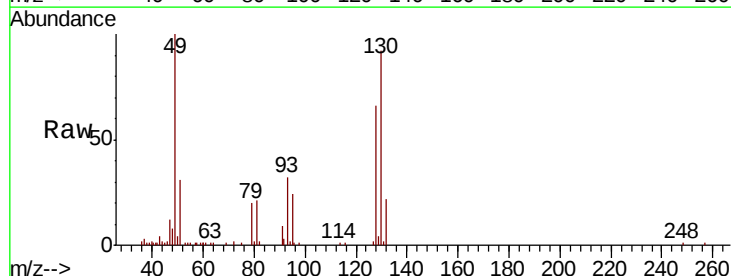
Ion Ratio Lower Upper

128 100

49 151.8 110.8 205.8

130 139.8 86.0 159.8

51 47.4 39.4 59.2

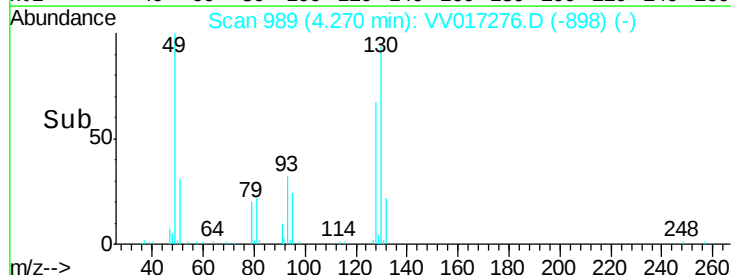
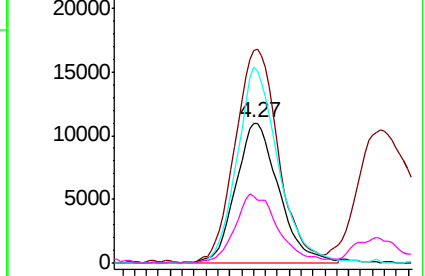


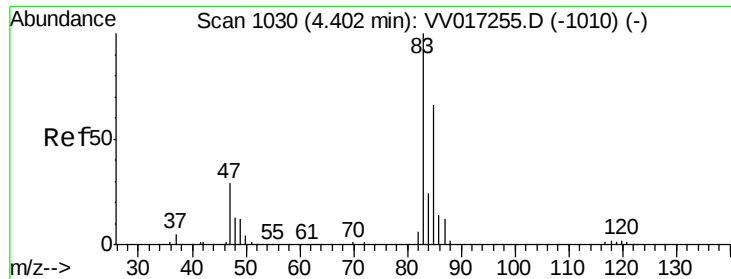
Abundance Ion 127.90 (127.60 to 128.60): VV017276.D (-898) (-)

Ion 49.10 (48.80 to 49.80): VV017276.D (-898) (-)

Ion 129.95 (129.65 to 130.65): VV017276.D (-898) (-)

Ion 51.05 (50.75 to 51.75): VV017276.D (-898) (-)

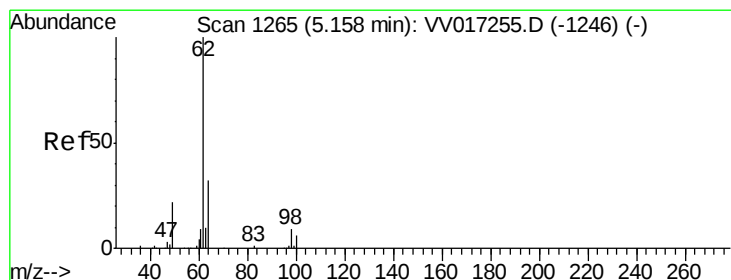
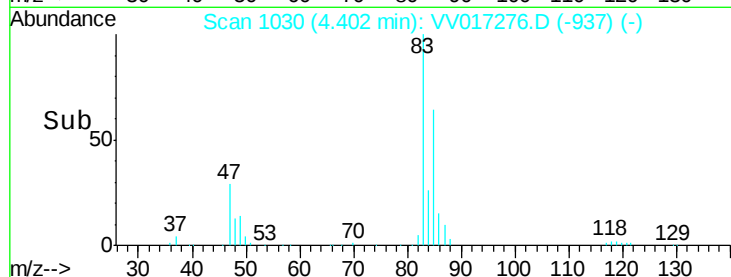
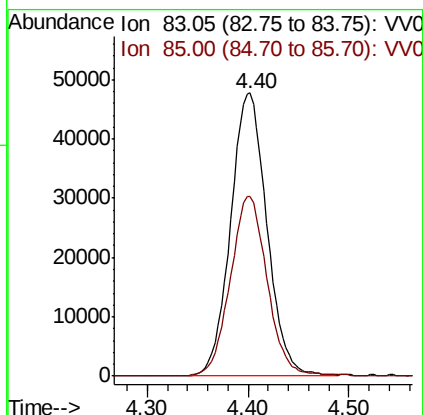
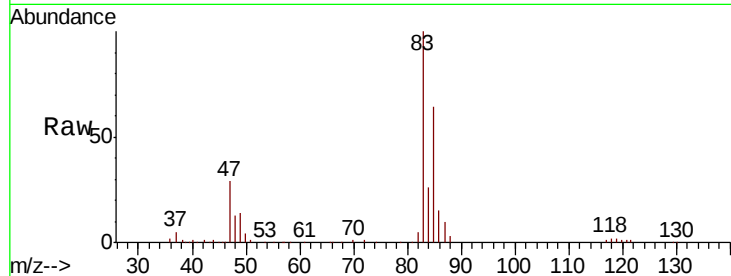




#25
Chloroform
Concen: 5.475 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

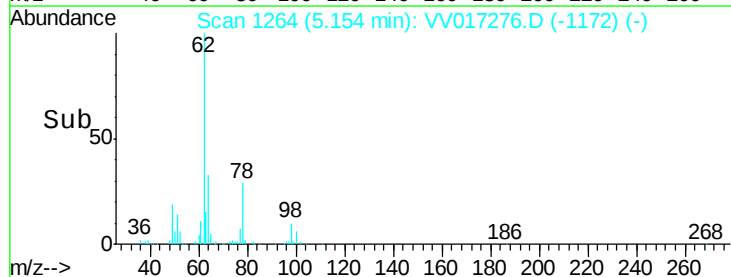
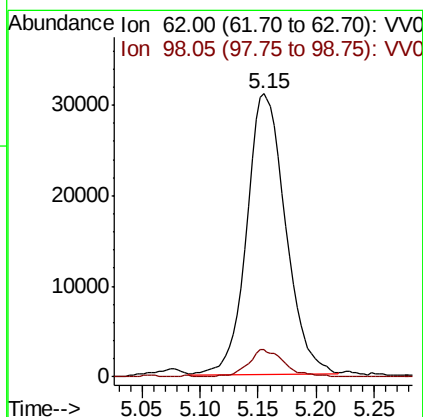
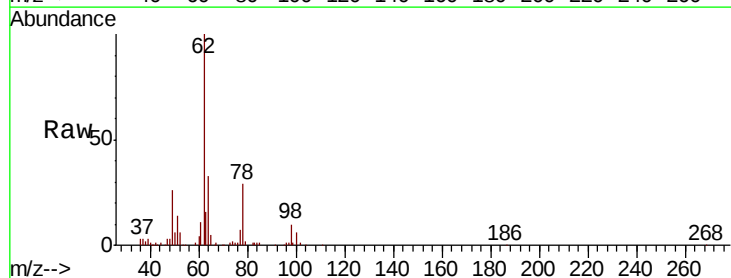
Instrument :
MSVOA_V
ClientSampled :
VSTD00542

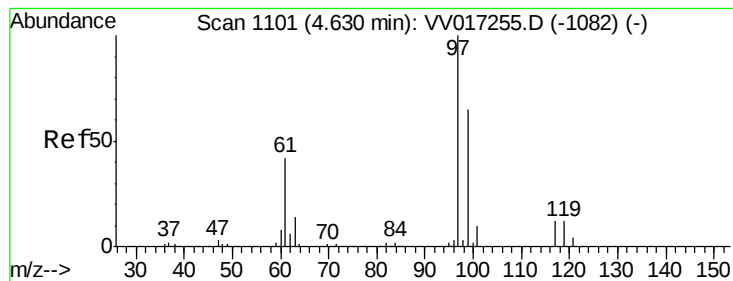
Tot Ion: 83 Resp: 119361
Ion Ratio Lower Upper
83 100
85 63.5 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.364 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

Tgt Ion: 62 Resp: 72649
Ion Ratio Lower Upper
62 100
98 9.5 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.529 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

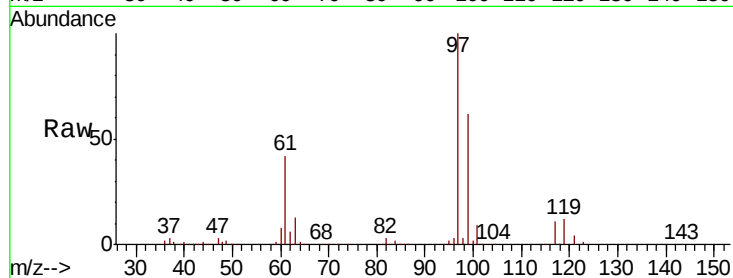
Tot Ion: 97 Resp: 112283

Ion Ratio Lower Upper

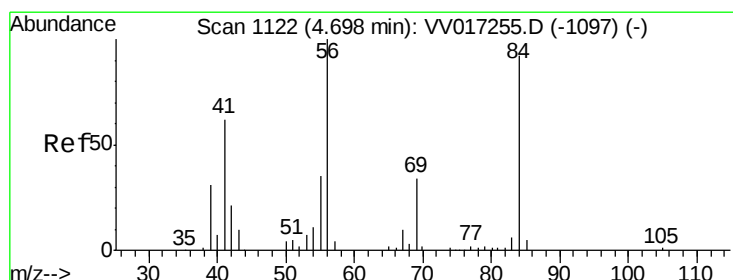
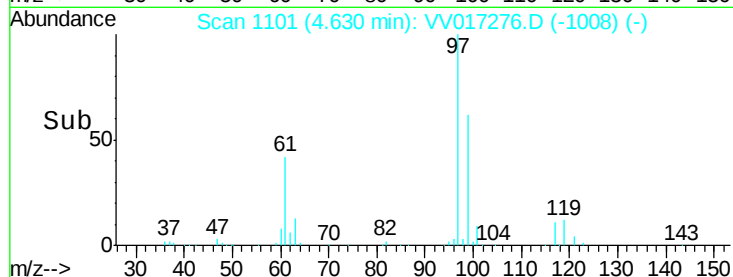
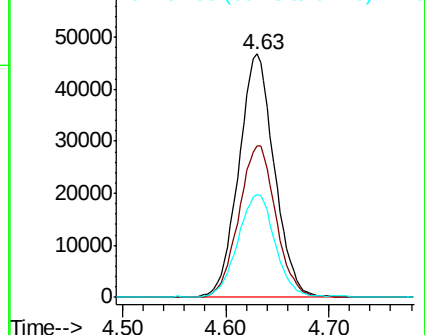
97 100

99 64.5 50.3 75.5

61 43.5 36.0 54.0



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.682 ug/L

RT: 4.69 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

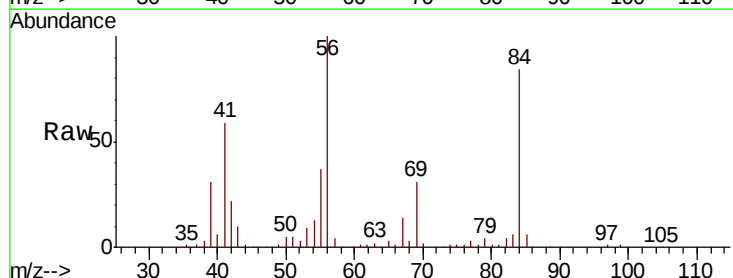
Tgt Ion: 56 Resp: 90489

Ion Ratio Lower Upper

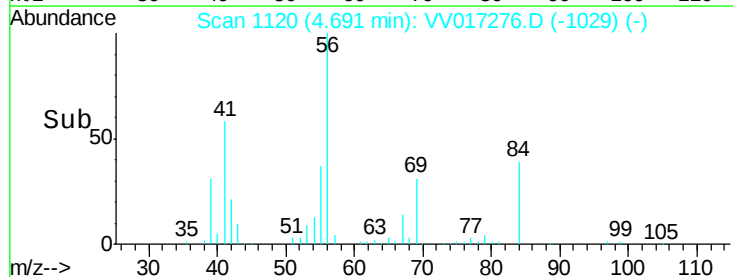
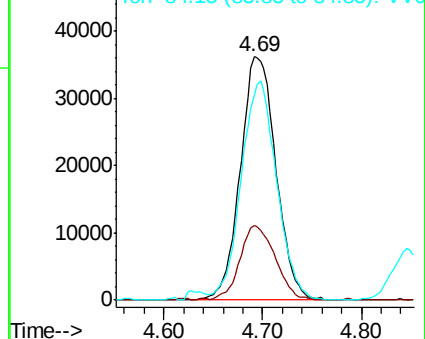
56 100

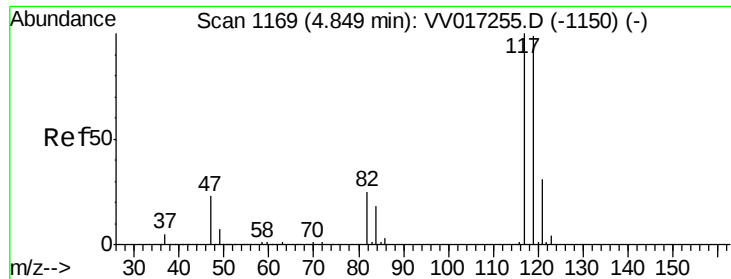
69 30.3 24.4 36.6

84 89.6 69.9 104.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.626 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

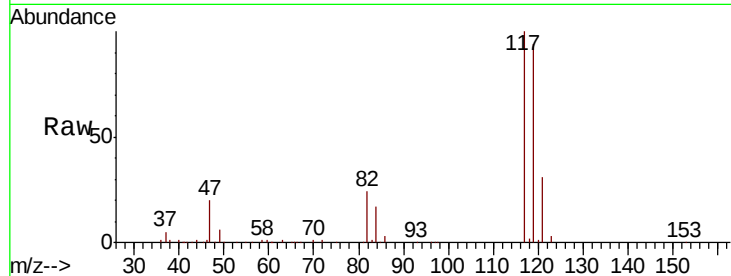
VSTD00542

Tot Ion:117 Resp: 103100

Ion Ratio Lower Upper

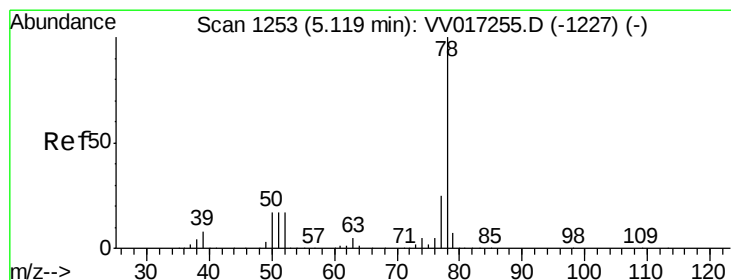
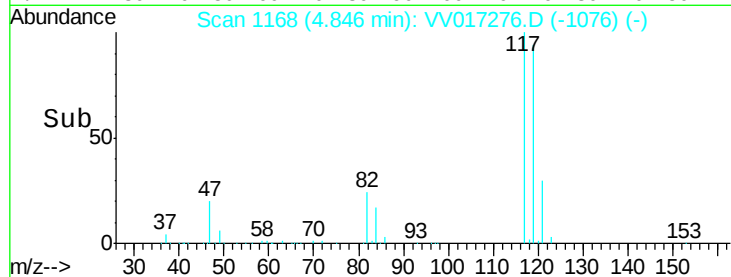
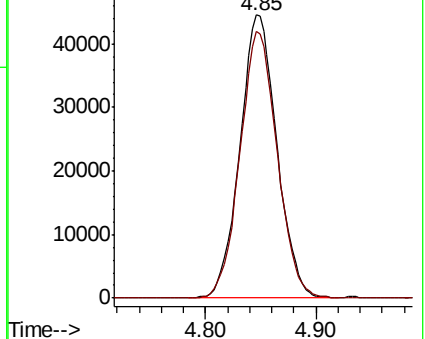
117 100

119 95.0 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.252 ug/L

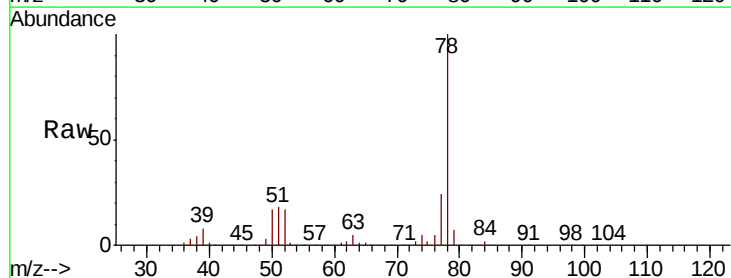
RT: 5.12 min Scan# 1253

Delta R.T. 0.00 min

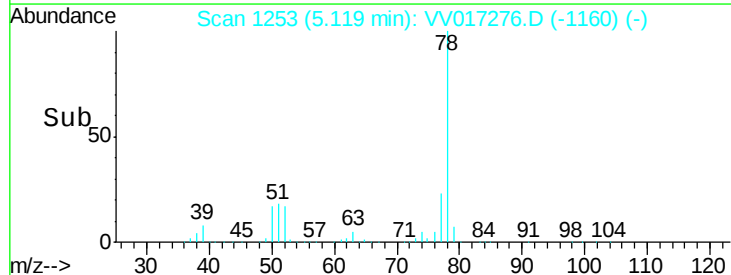
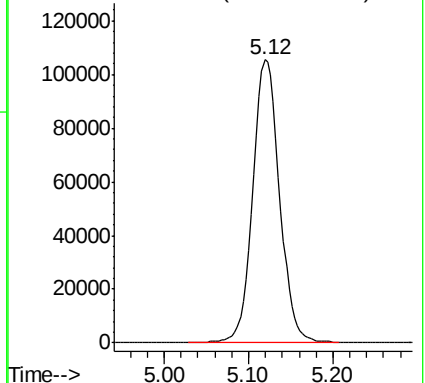
Lab File: VV017276.D

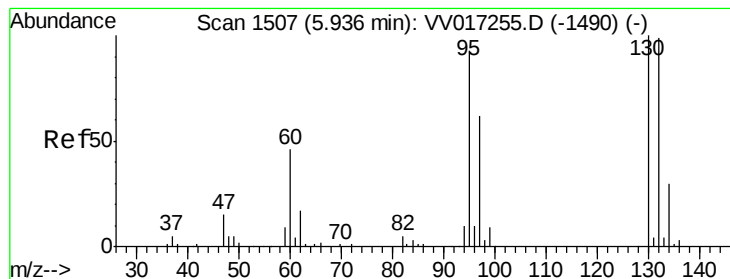
Acq: 01 Jul 2020 09:18

Tgt Ion: 78 Resp: 233144



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.852 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

Tot Ion: 95 Resp: 63069

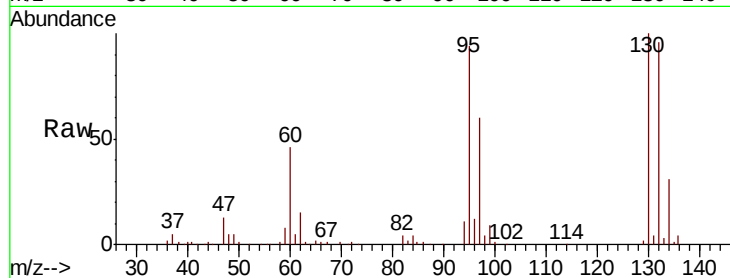
Ion Ratio Lower Upper

95 100

97 64.3 45.3 84.1

132 101.8 68.8 127.8

130 106.4 70.2 130.4

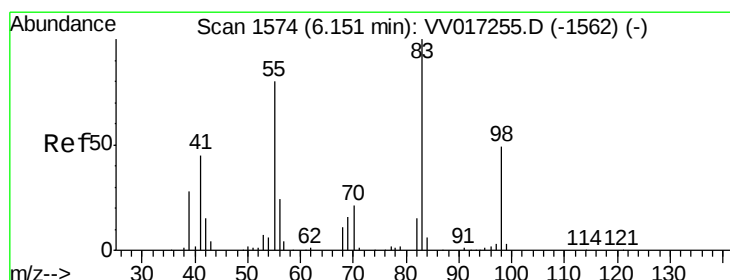
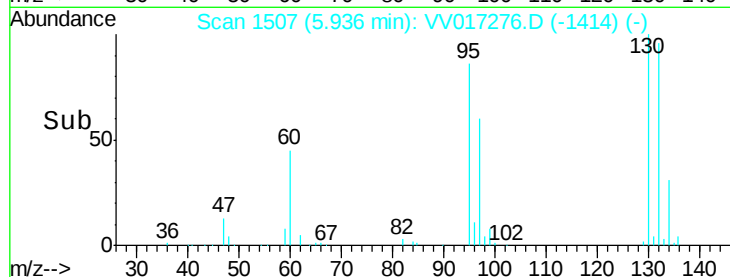
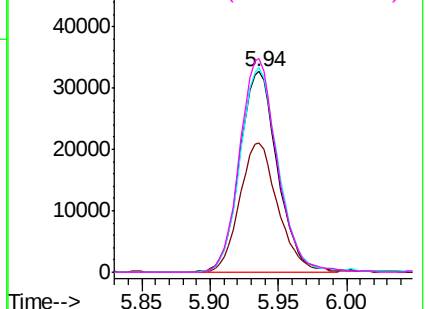


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.913 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

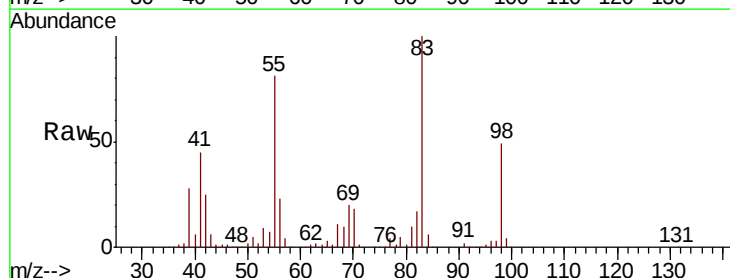
Tgt Ion: 83 Resp: 99277

Ion Ratio Lower Upper

83 100

55 77.8 63.6 95.4

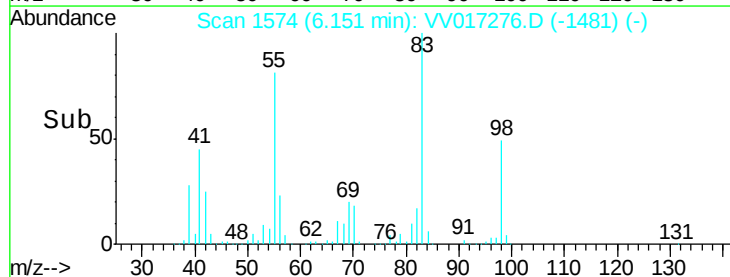
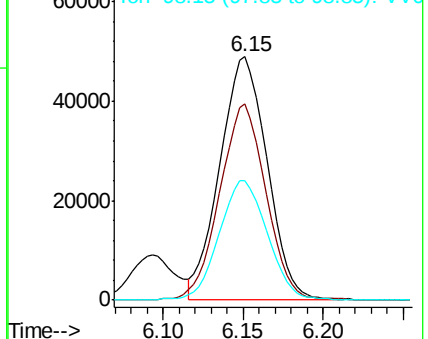
98 50.1 38.8 58.2

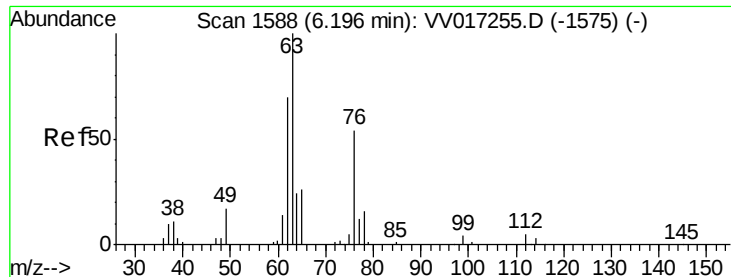


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

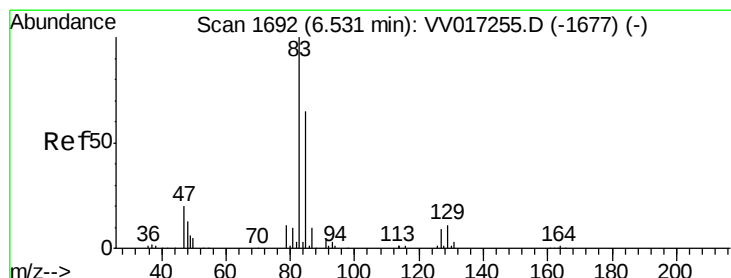
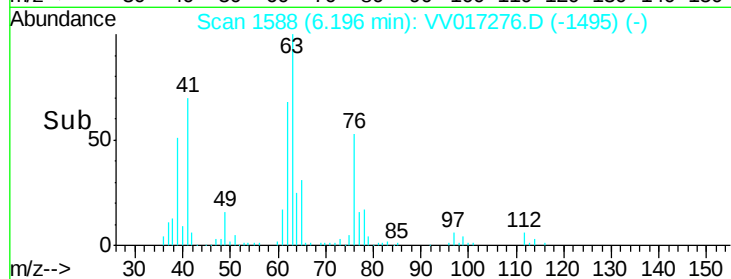
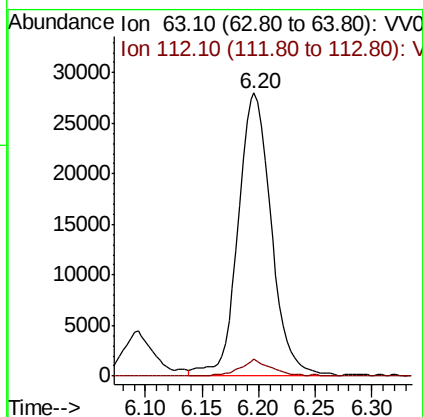
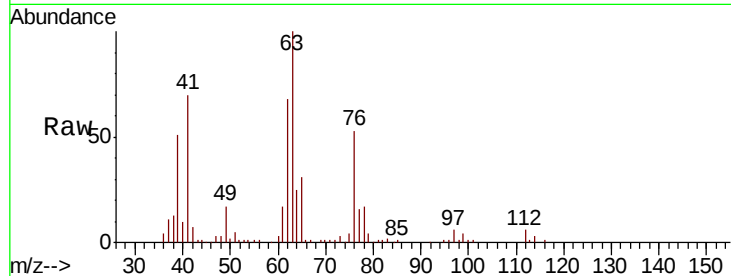




#37
 1,2-Dichloropropane
 Concen: 5.229 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

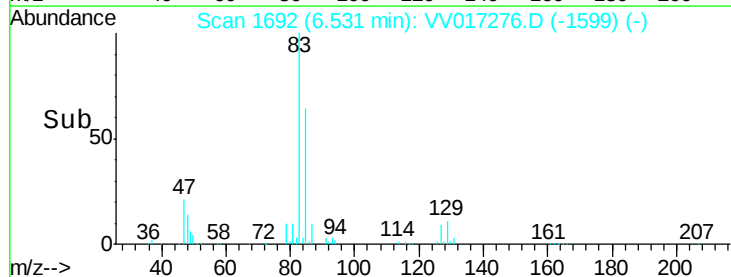
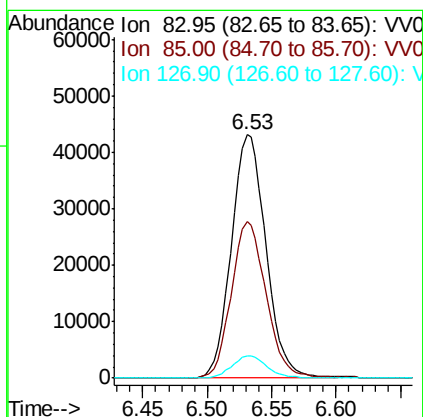
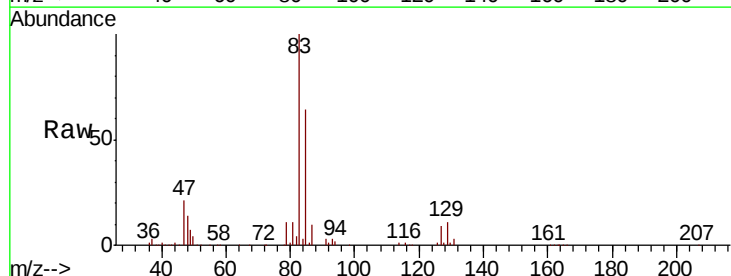
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

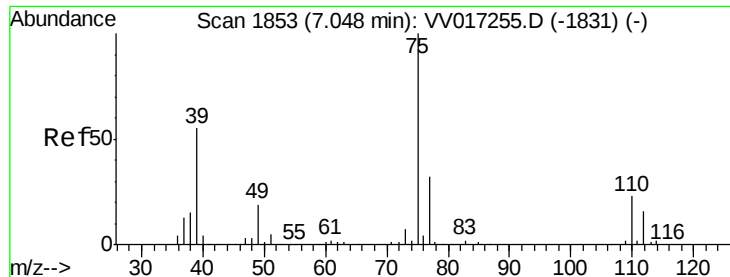
Tot Ion: 63 Resp: 57460
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.4 6.6



#38
 Bromodichloromethane
 Concen: 5.396 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Tgt Ion: 83 Resp: 80548
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.4 80.6
 127 9.1 7.9 11.9

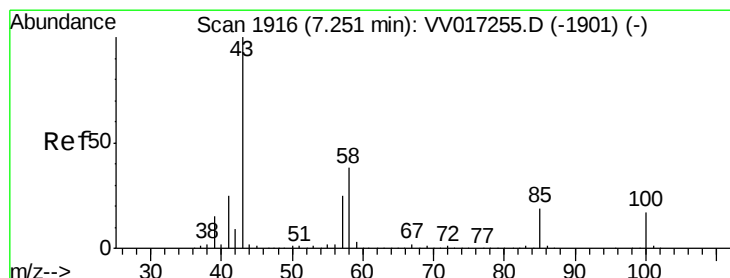
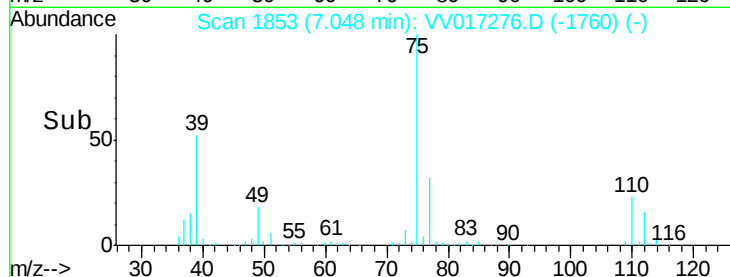
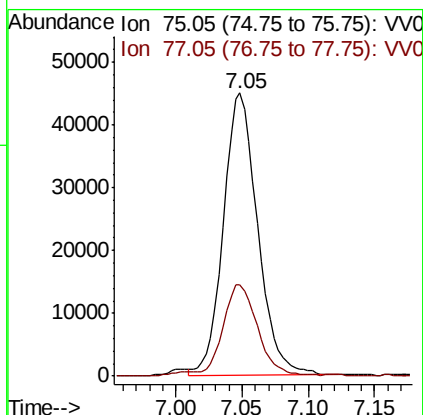
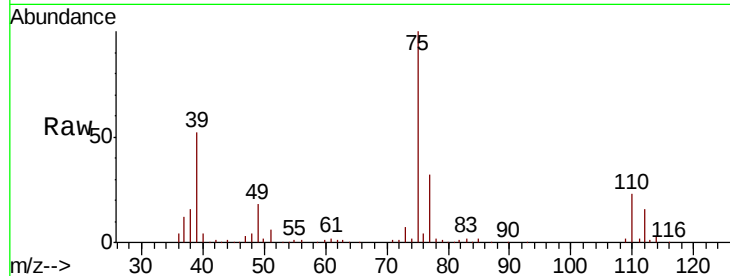




#39
 cis-1,3-Dichloropropene
 Concen: 4.956 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

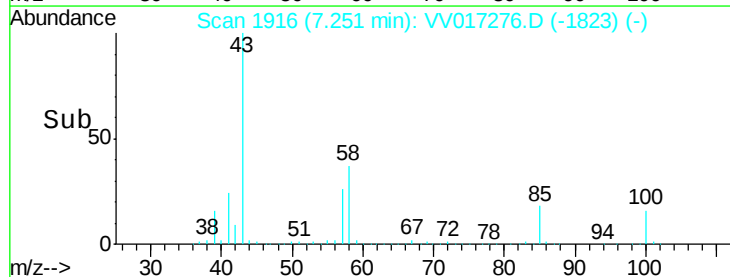
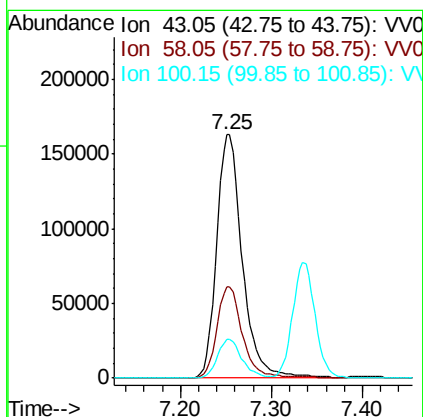
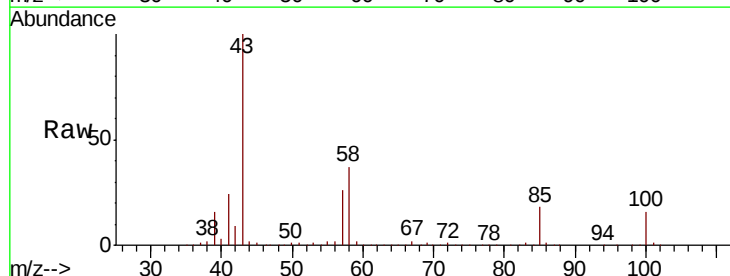
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

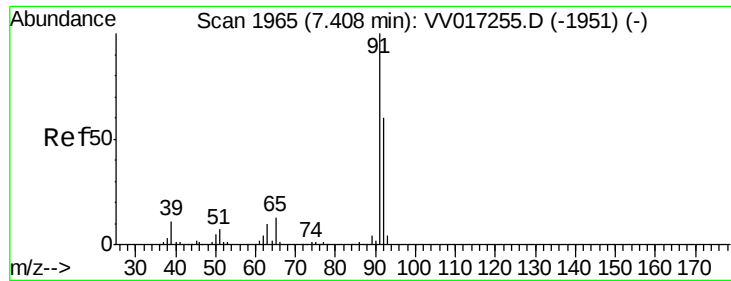
Tot Ion: 75 Resp: 80912
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 49.968 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Tgt Ion: 43 Resp: 317036
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.4 45.6
 100 15.5 12.7 19.1





#42

Toluene

Concen: 5.041 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

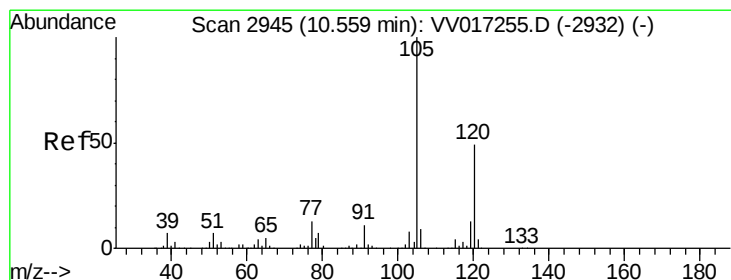
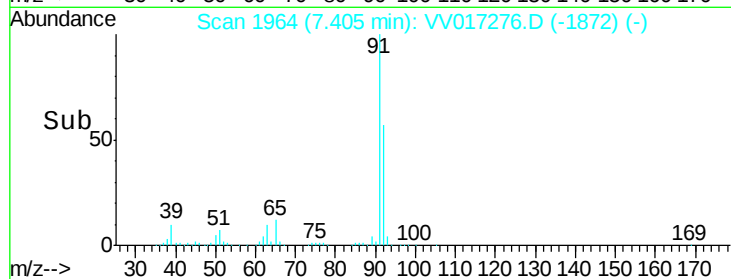
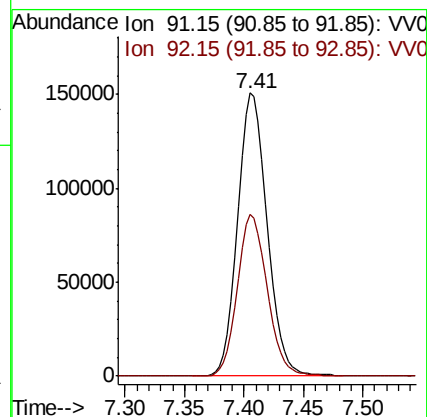
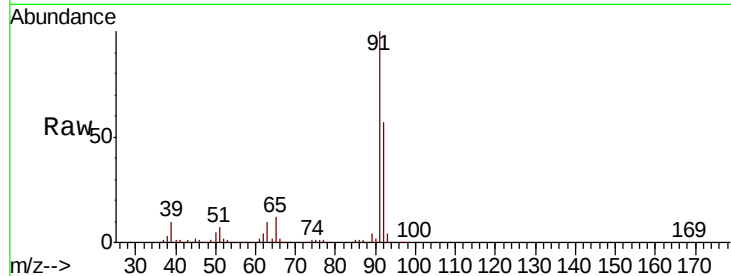
VSTD00542

Tot Ion: 91 Resp: 260159

Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



#43

1,3,5-Trimethylbenzene

Concen: 5.210 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017276.D

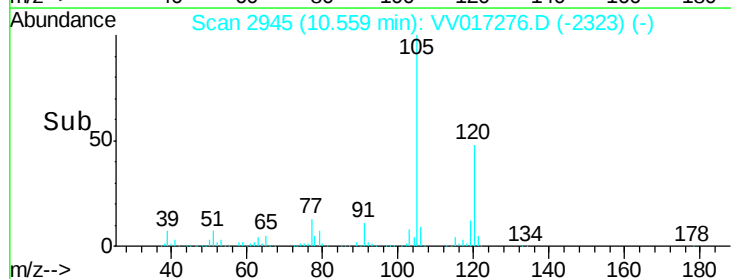
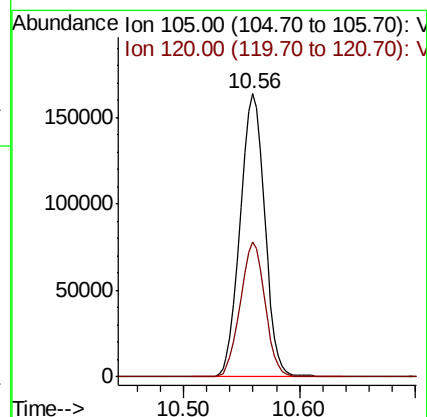
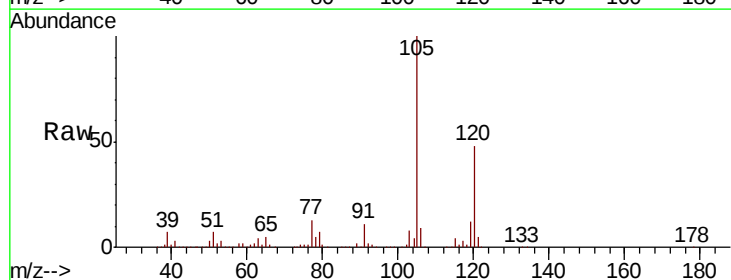
Acq: 01 Jul 2020 09:18

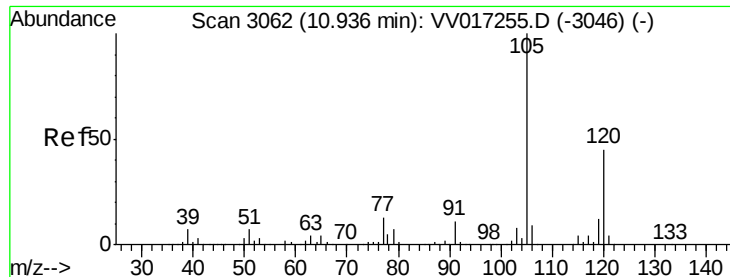
Tgt Ion:105 Resp: 240480

Ion Ratio Lower Upper

105 100

120 47.6 38.6 57.8

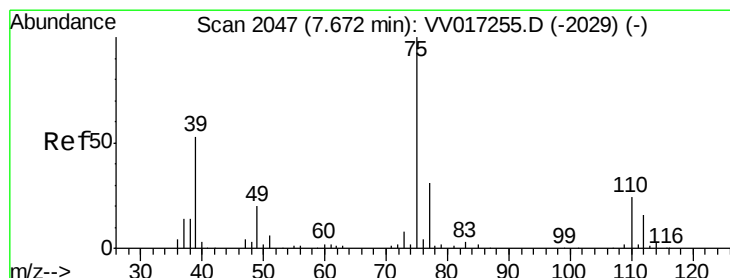
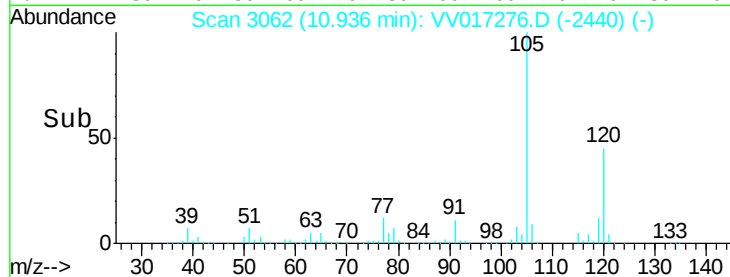
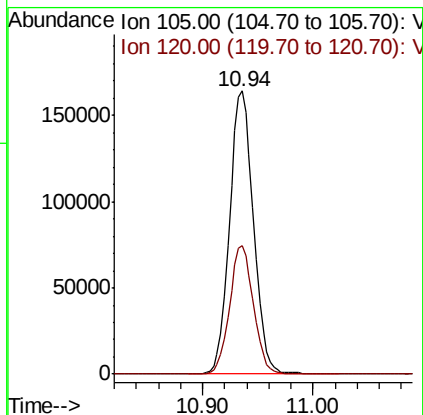
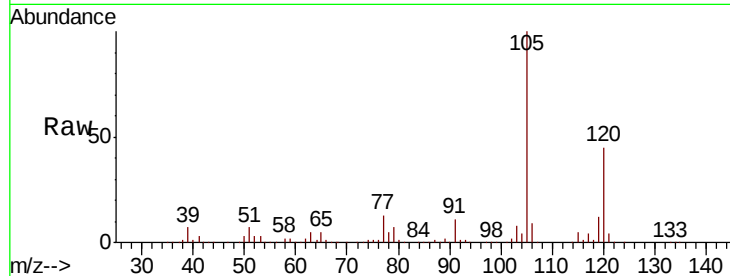




#44
1,2,4-Trimethylbenzene
Concen: 5.255 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

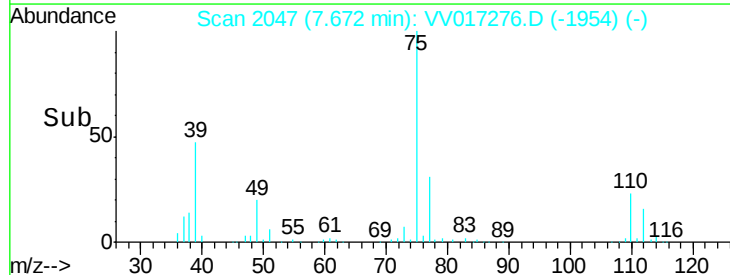
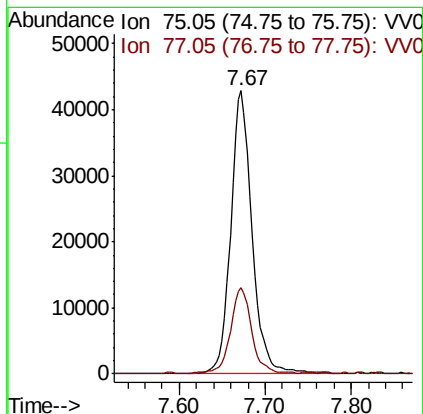
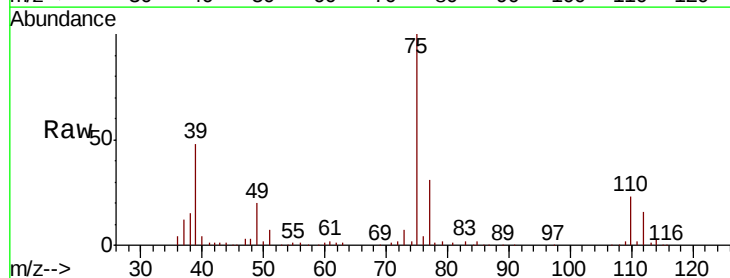
Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

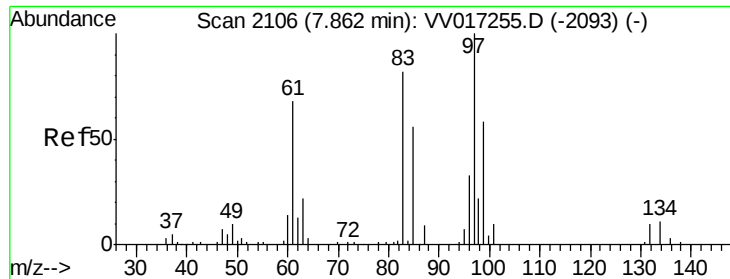
Tot Ion:105 Resp: 246977
Ion Ratio Lower Upper
105 100
120 45.3 35.8 53.8



#46
trans-1,3-Dichloropropene
Concen: 5.232 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

Tgt Ion: 75 Resp: 73893
Ion Ratio Lower Upper
75 100
77 30.5 22.3 41.3

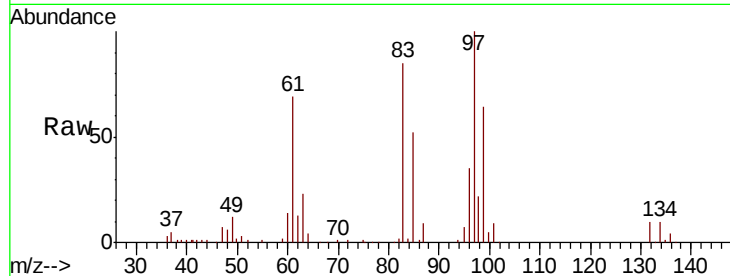




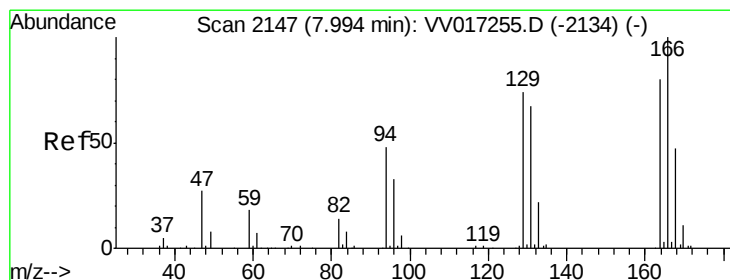
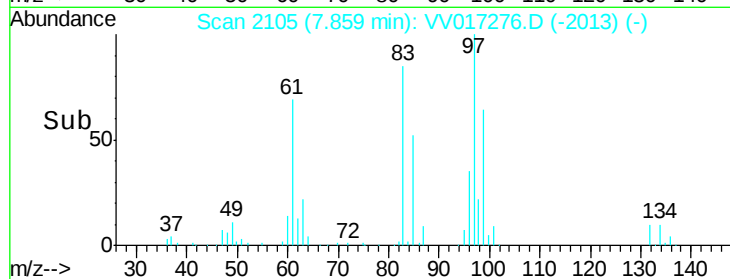
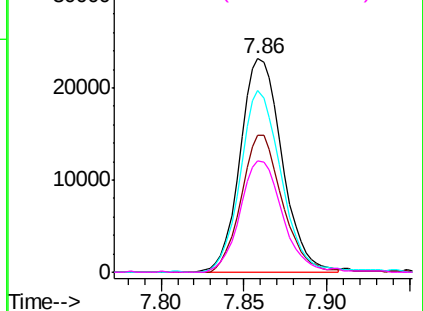
#47
 1,1,2-Trichloroethane
 Concen: 5.230 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Tot Ion: 97 Resp: 40762
 Ion Ratio Lower Upper
 97 100
 99 64.3 43.6 81.0
 83 85.1 57.4 106.6
 85 52.1 38.8 72.0

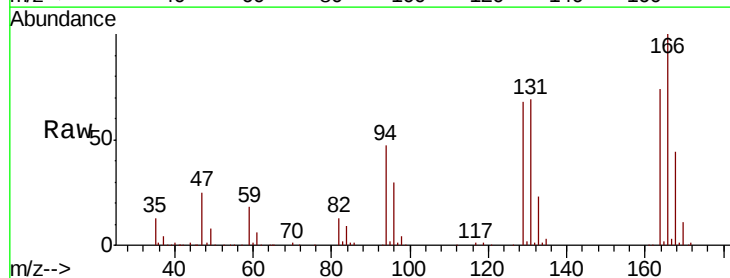


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

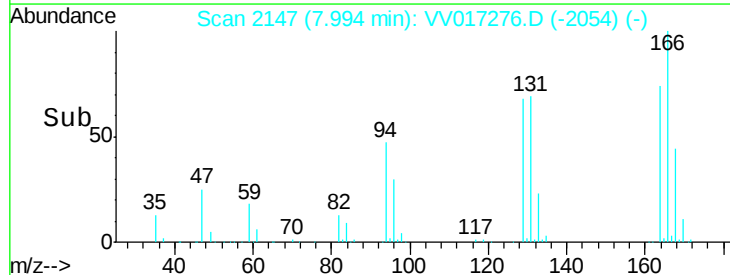
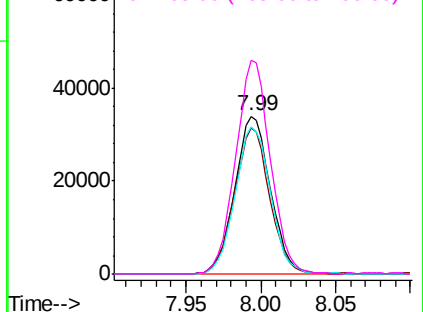


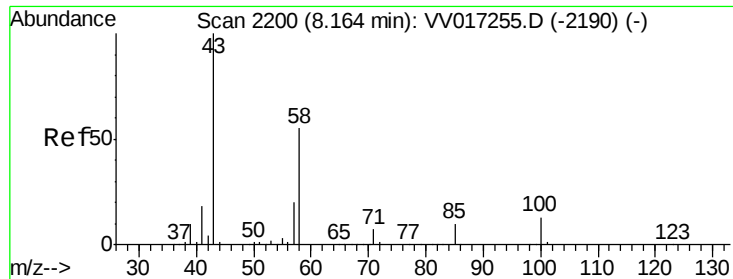
#49
 Tetrachloroethene
 Concen: 5.373 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Tgt Ion: 164 Resp: 56219
 Ion Ratio Lower Upper
 164 100
 129 92.1 65.2 121.0
 131 92.9 64.1 119.1
 166 135.1 90.2 167.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

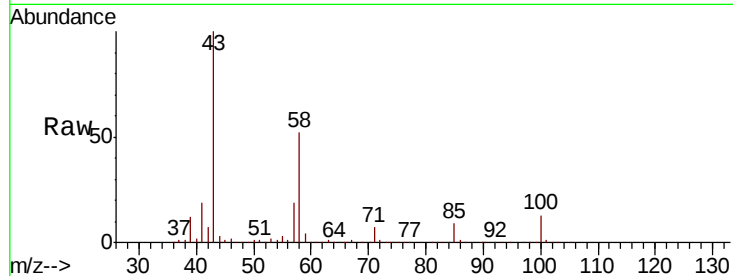




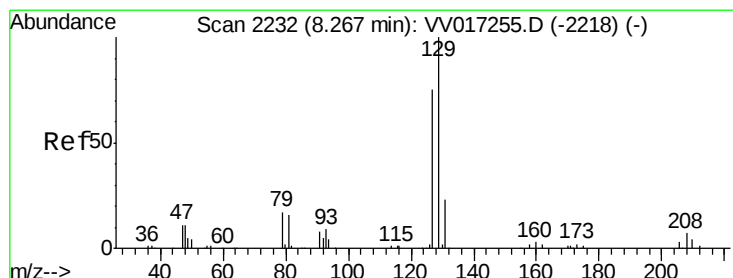
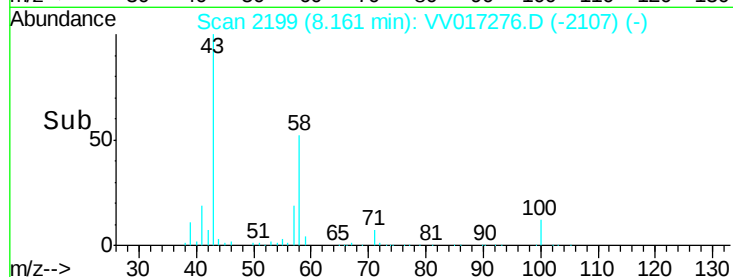
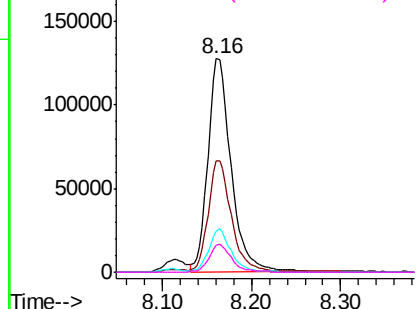
#50
2-Hexanone
Concen: 50.965 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

Tot Ion: 43 Resp: 230122
Ion Ratio Lower Upper
43 100
58 50.5 41.6 62.4
57 18.6 15.4 23.0
100 13.0 10.1 15.1

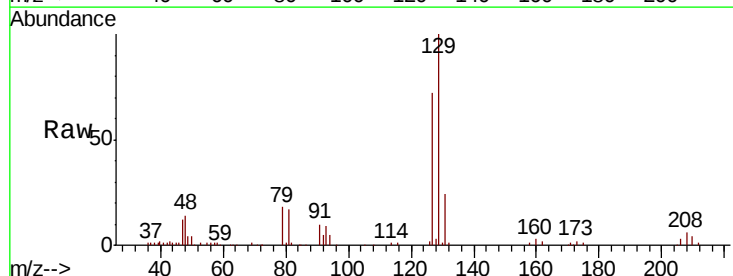


Abundance Ion 43.05 (42.75 to 43.75): VV017276.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV017276.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV017276.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV017276.D (-2107) (-)

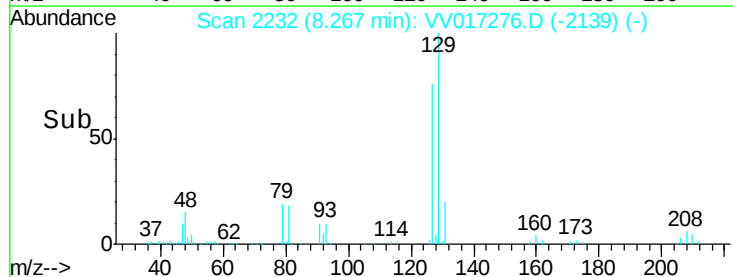
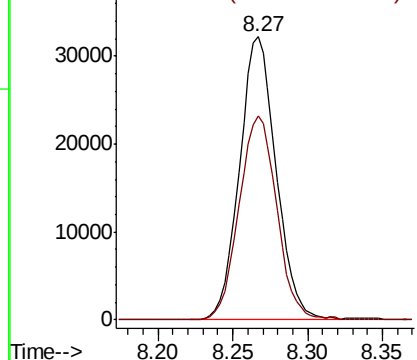


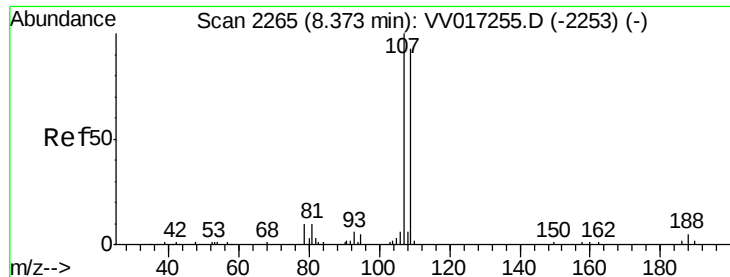
#51
Dibromochloromethane
Concen: 5.812 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

Tgt Ion: 129 Resp: 54910
Ion Ratio Lower Upper
129 100
127 72.0 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): VV017276.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV017276.D (-2139) (-)

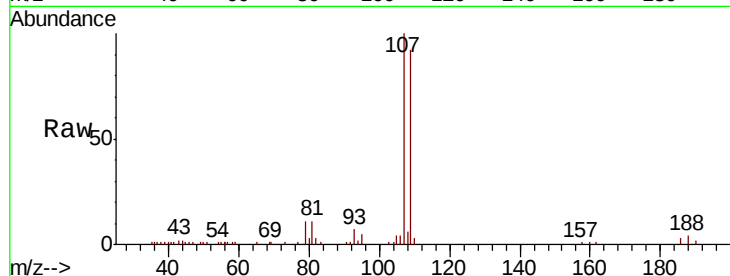




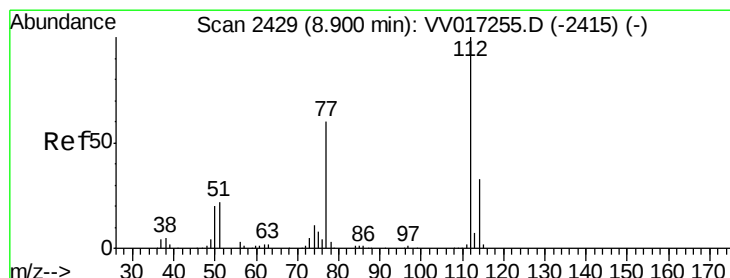
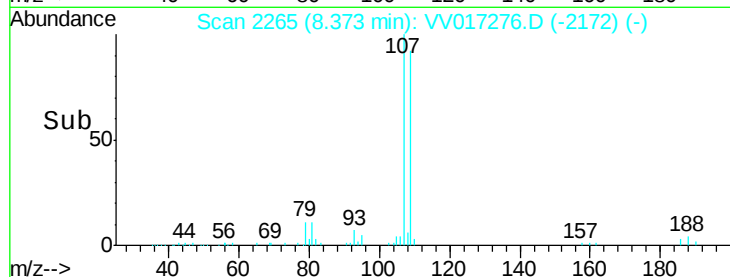
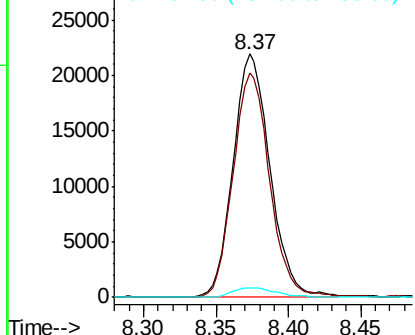
#52
 1,2-Dibromoethane
 Concen: 5.244 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	69.4	128.8
188	4.1	3.9	5.9

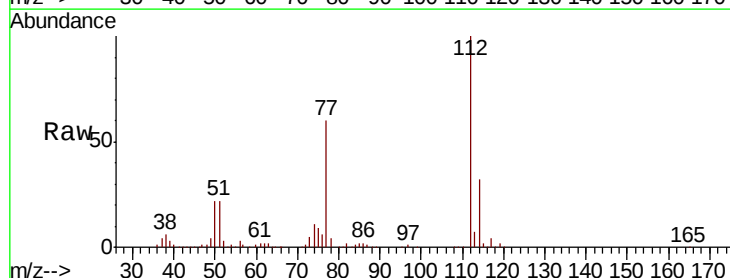


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

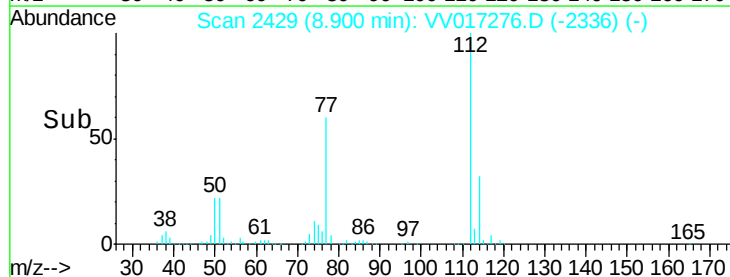
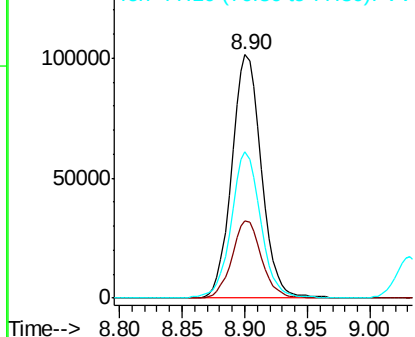


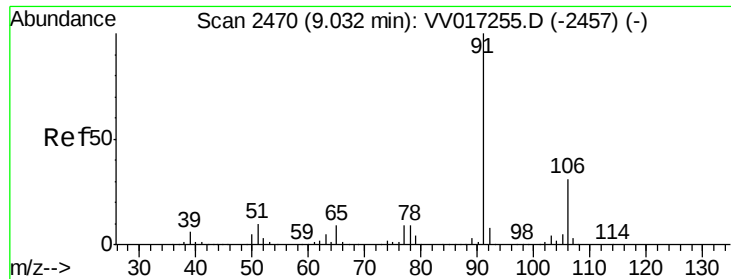
#53
 Chlorobenzene
 Concen: 5.163 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.0	41.0
77	60.0	46.0	69.0



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V

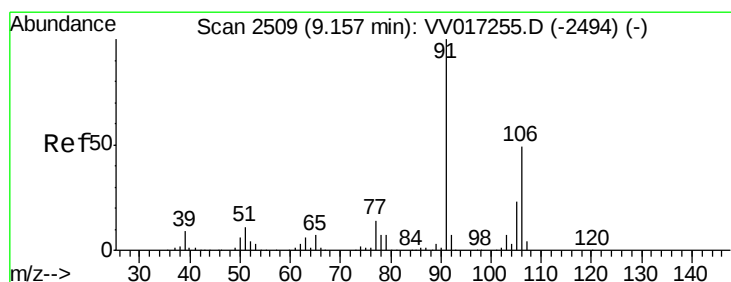
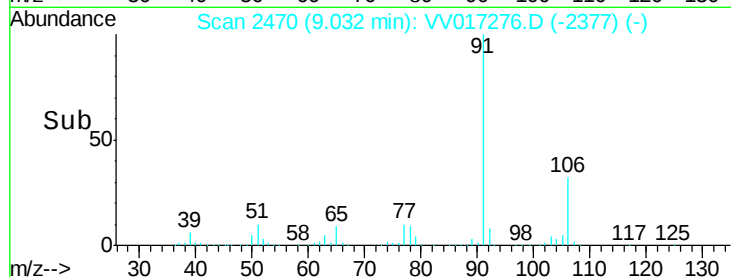
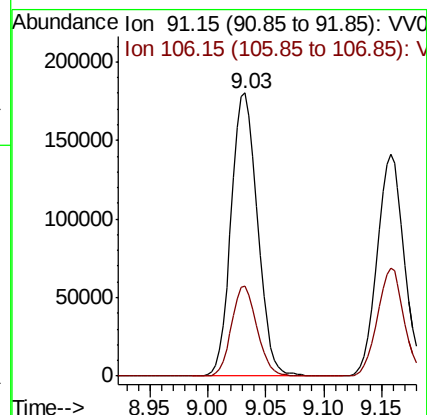
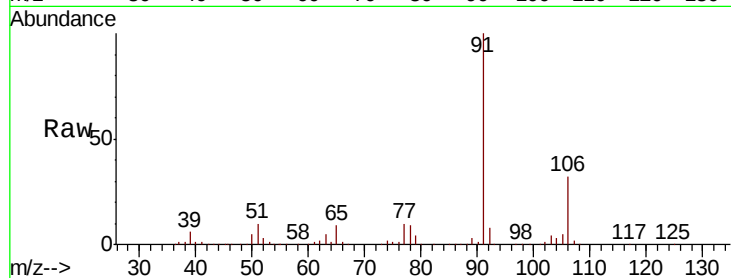




#54
Ethylbenzene
Concen: 5.158 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

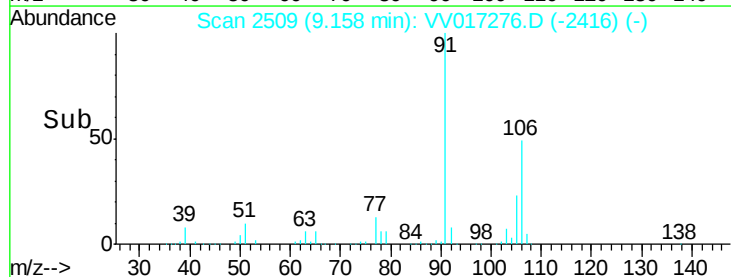
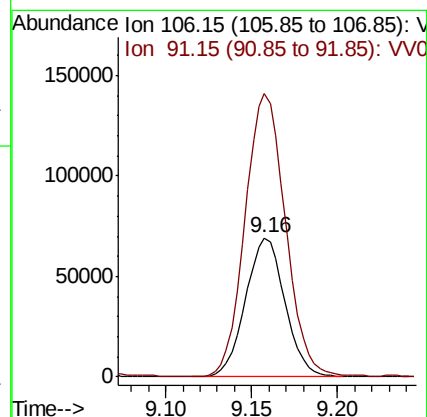
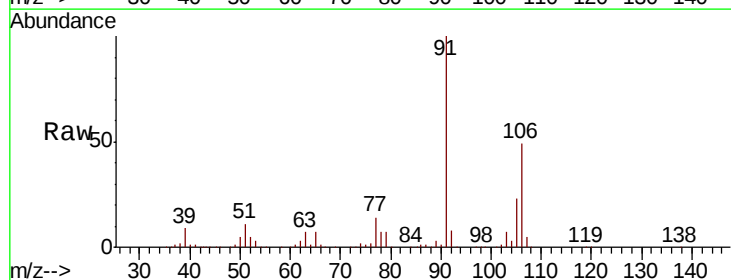
Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

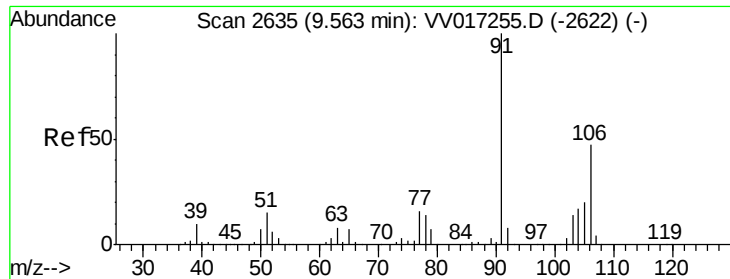
Tot Ion: 91 Resp: 284153
Ion Ratio Lower Upper
91 100
106 31.6 21.1 39.1



#55
m,p-xylene
Concen: 5.073 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

Tgt Ion: 106 Resp: 109618
Ion Ratio Lower Upper
106 100
91 203.9 142.7 264.9

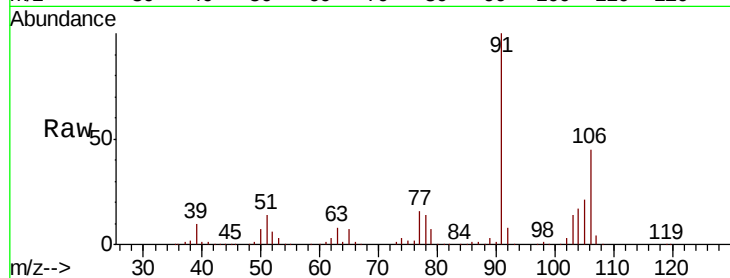




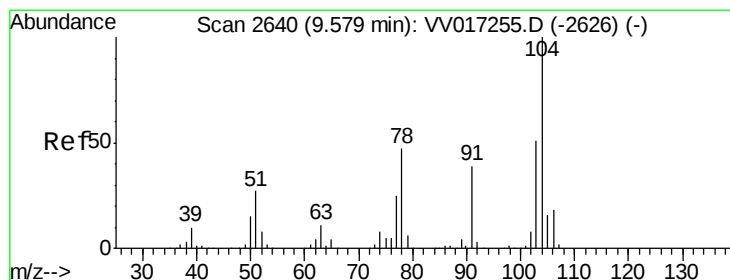
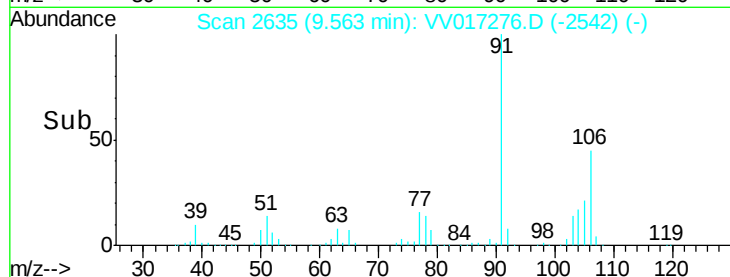
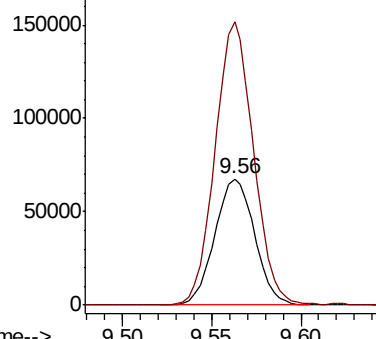
#56
o-xylene
Concen: 5.244 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

Tot Ion:106 Resp: 105735
Ion Ratio Lower Upper
106 100
91 224.0 153.6 285.2

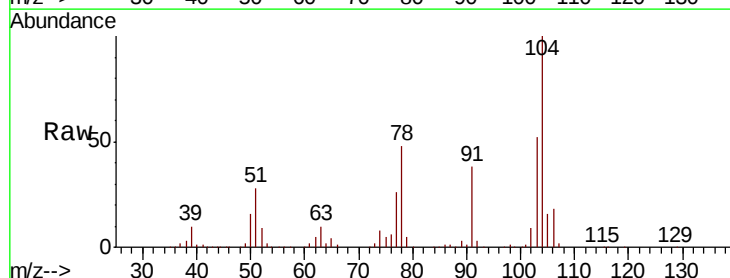


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

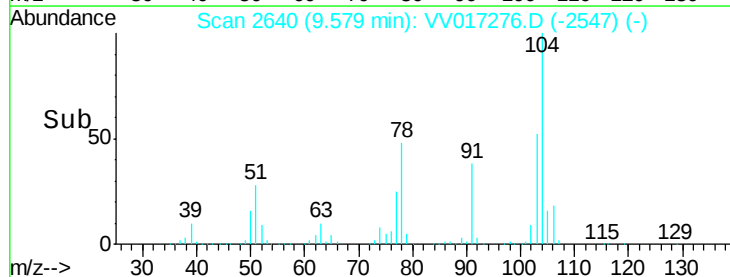
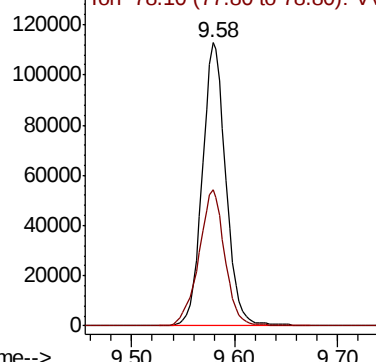


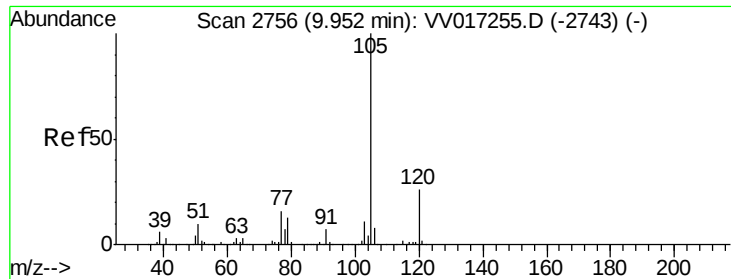
#57
Styrene
Concen: 5.371 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV017276.D
Acq: 01 Jul 2020 09:18

Tgt Ion:104 Resp: 179459
Ion Ratio Lower Upper
104 100
78 48.2 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.237 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

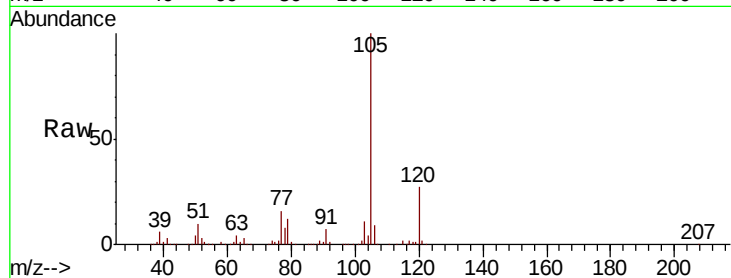
Tot Ion:105 Resp: 290563

Ion Ratio Lower Upper

105 100

120 27.3 21.2 31.8

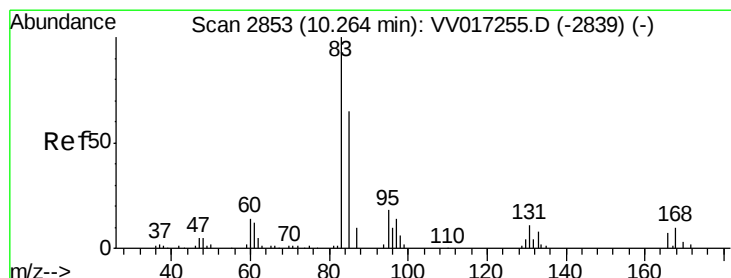
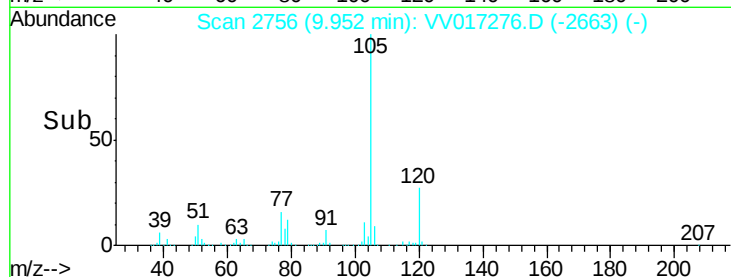
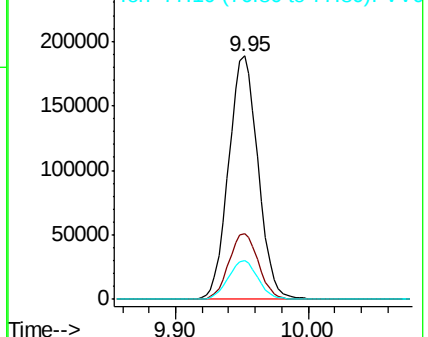
77 16.1 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.655 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

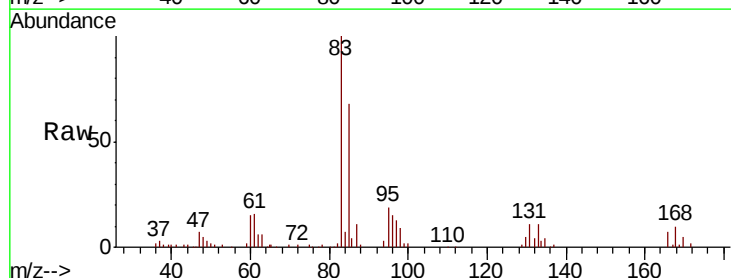
Tgt Ion: 83 Resp: 45593

Ion Ratio Lower Upper

83 100

85 67.8 42.9 79.7

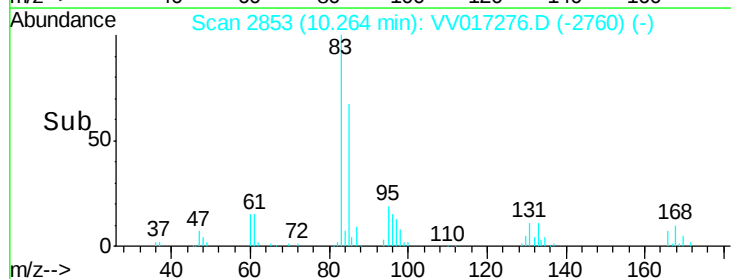
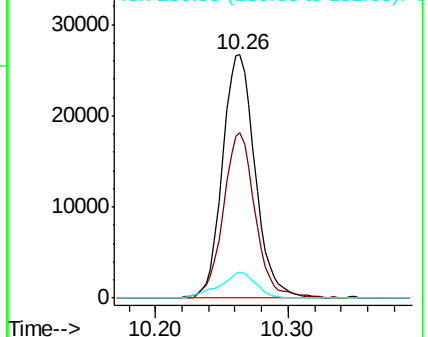
131 10.9 8.6 13.0

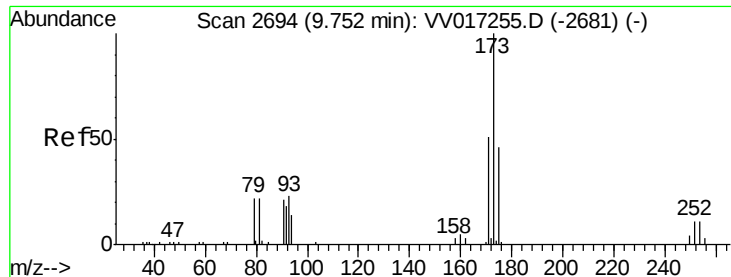


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 6.250 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

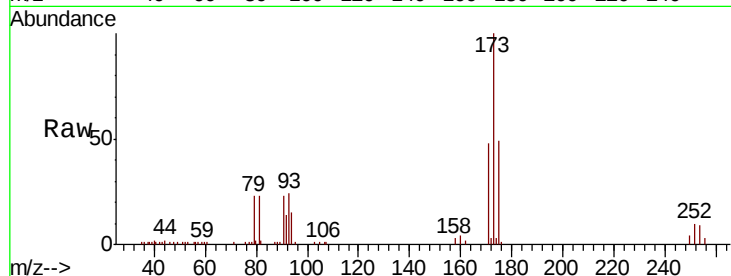
Tot Ion:173 Resp: 30536

Ion Ratio Lower Upper

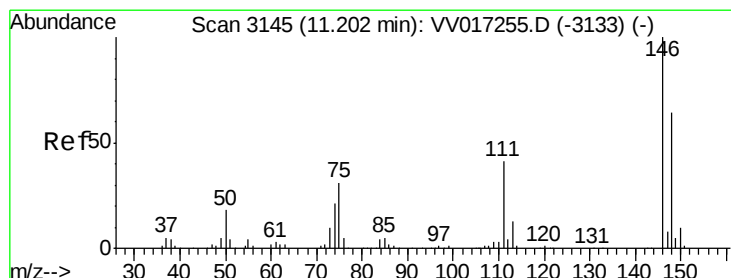
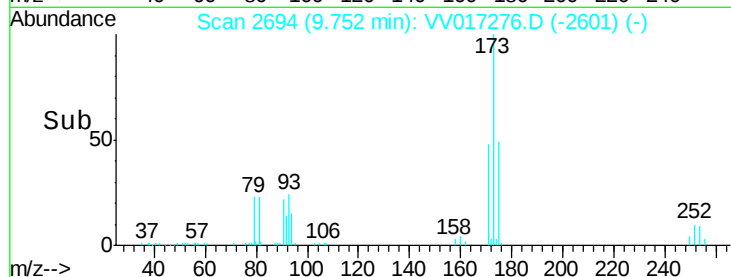
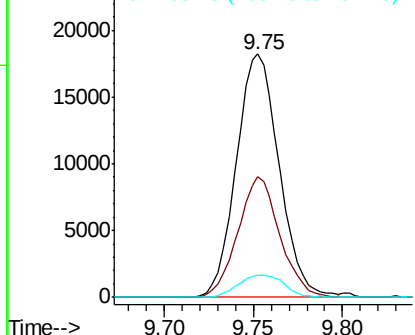
173 100

175 48.5 39.4 59.2

254 9.8 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.188 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

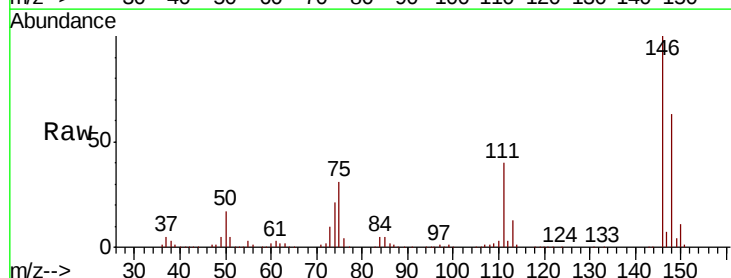
Tgt Ion:146 Resp: 142628

Ion Ratio Lower Upper

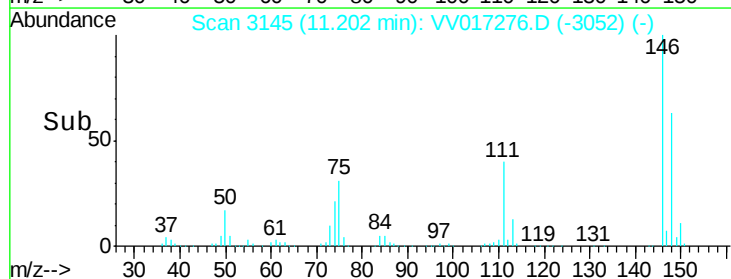
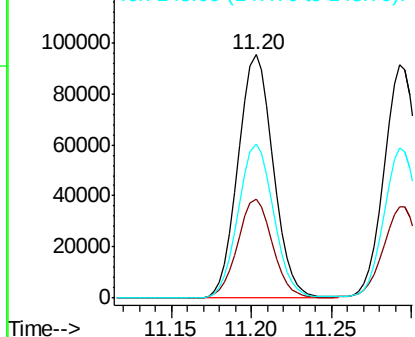
146 100

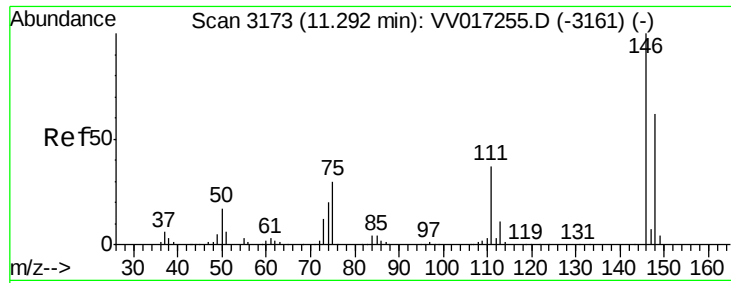
111 40.5 29.2 54.2

148 63.5 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 5.041 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

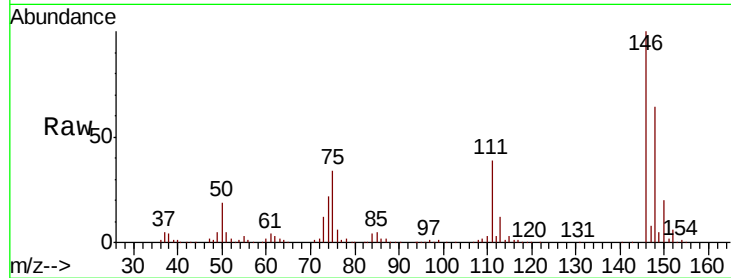
Tot Ion:146 Resp: 140865

Ion Ratio Lower Upper

146 100

111 39.2 27.4 50.8

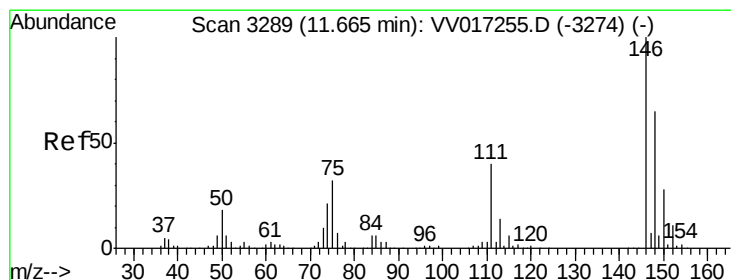
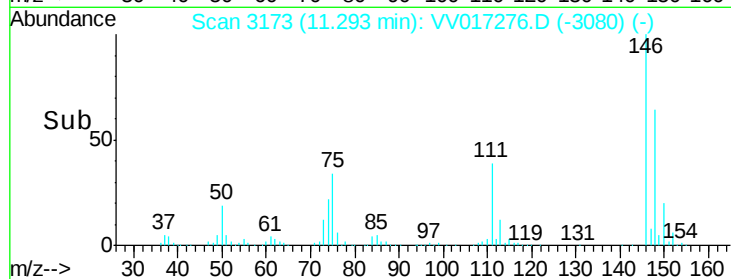
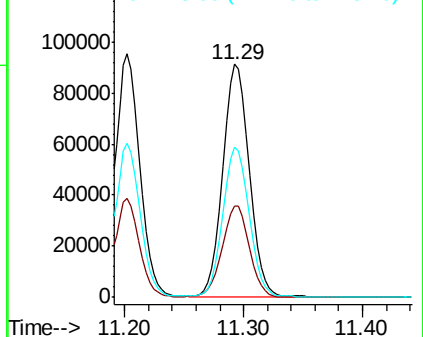
148 64.4 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.204 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017276.D

Acq: 01 Jul 2020 09:18

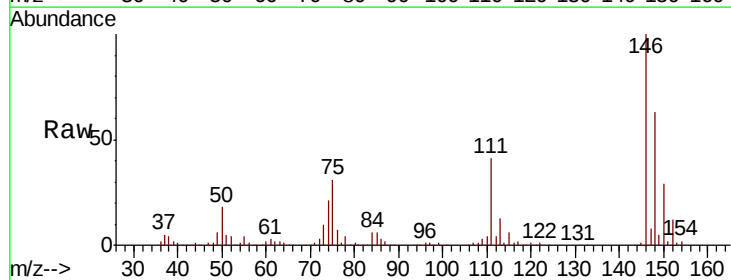
Tgt Ion:146 Resp: 129842

Ion Ratio Lower Upper

146 100

111 40.7 34.4 51.6

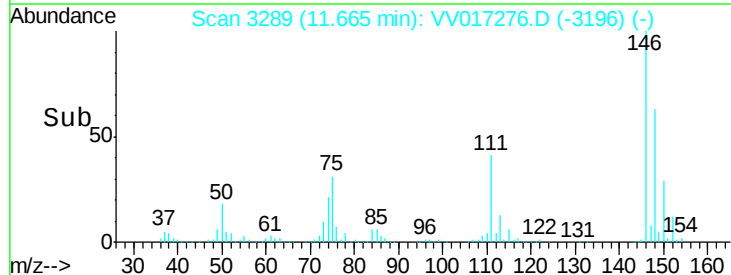
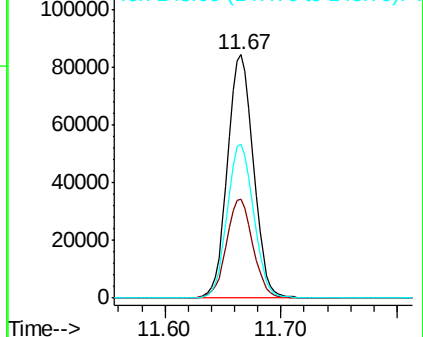
148 63.3 49.9 74.9

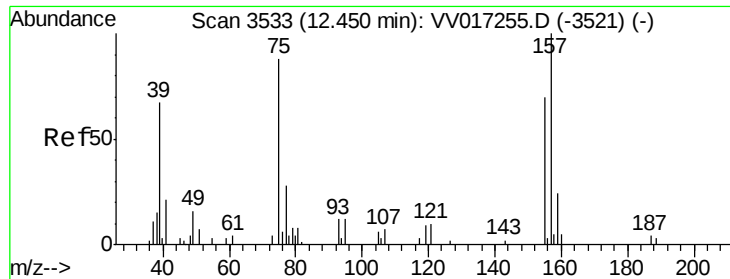


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

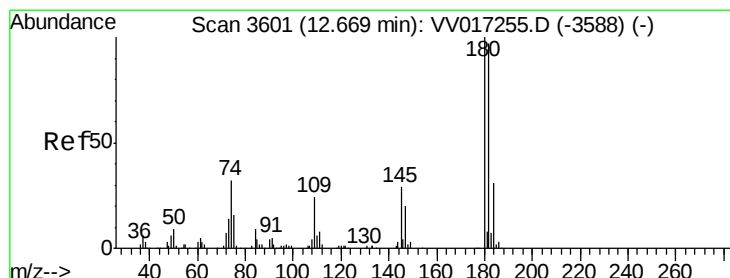
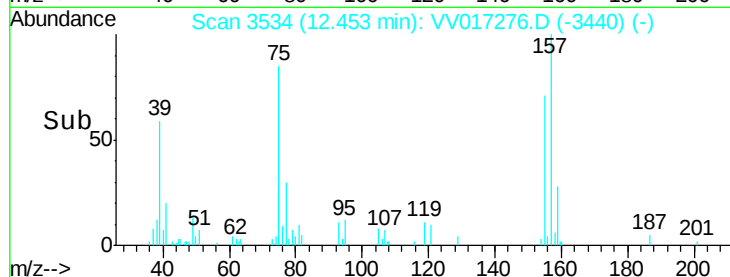
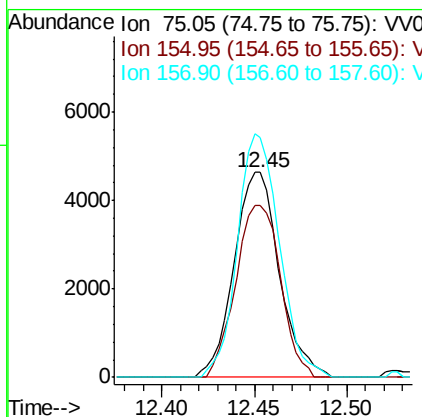
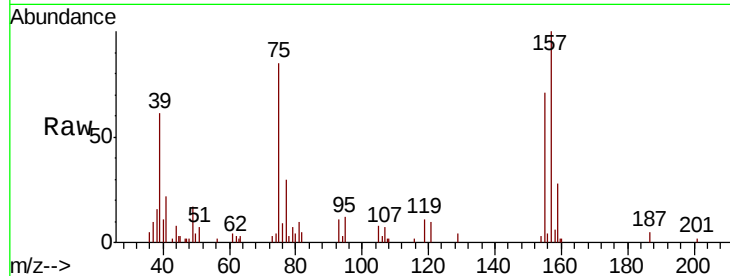




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.700 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

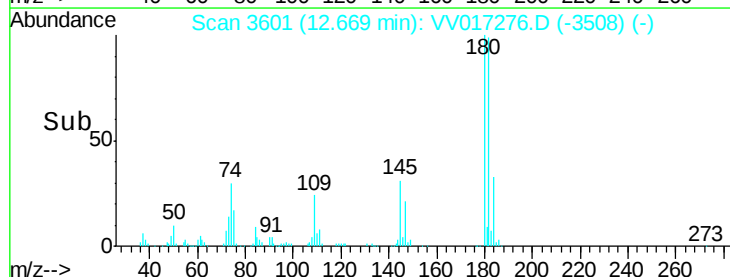
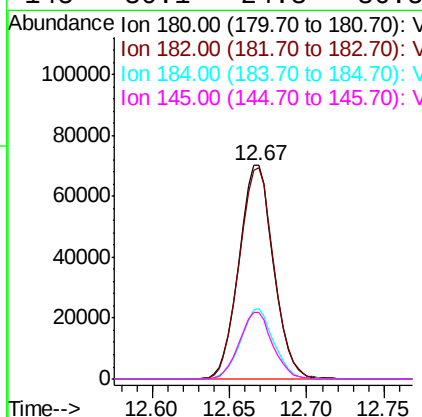
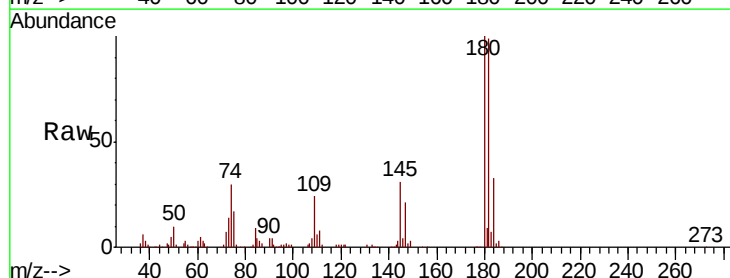
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

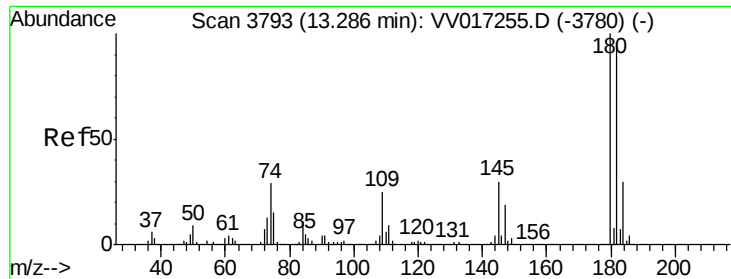
Tot Ion: 75 Resp: 7867
 Ion Ratio Lower Upper
 75 100
 155 83.6 71.1 106.7
 157 117.1 88.3 132.5



#68
 1,3,5-Trichlorobenzene
 Concen: 4.942 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Tgt Ion: 180 Resp: 109169
 Ion Ratio Lower Upper
 180 100
 182 99.1 77.4 116.2
 184 31.7 24.2 36.4
 145 30.1 24.3 36.5

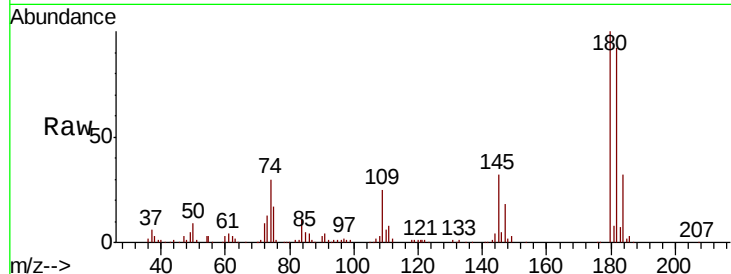




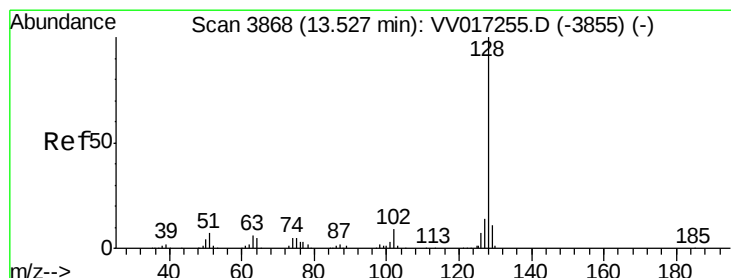
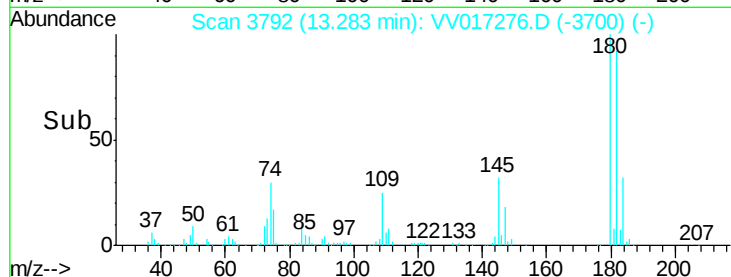
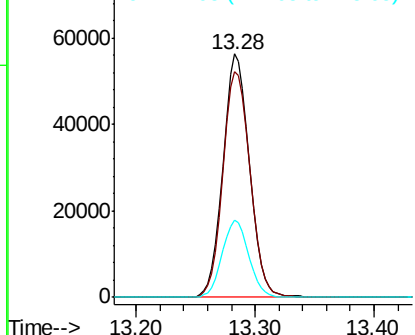
#69
 1,2,4-trichlorobenzene
 Concen: 4.780 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Tot Ion:180 Resp: 86921
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.6 114.8
 145 32.0 25.0 37.6

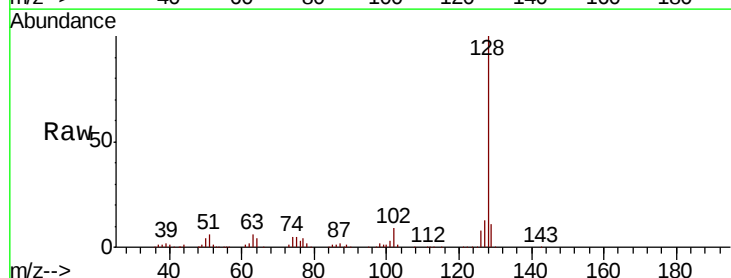


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

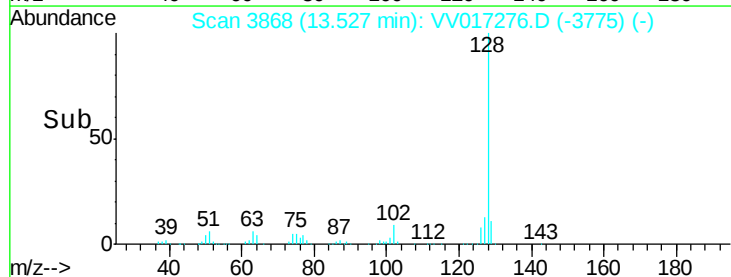
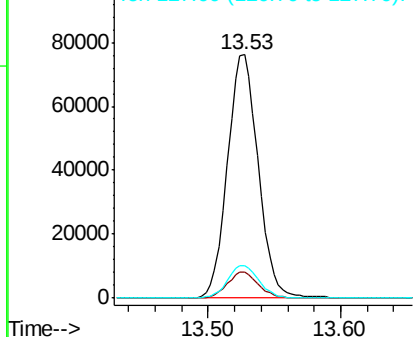


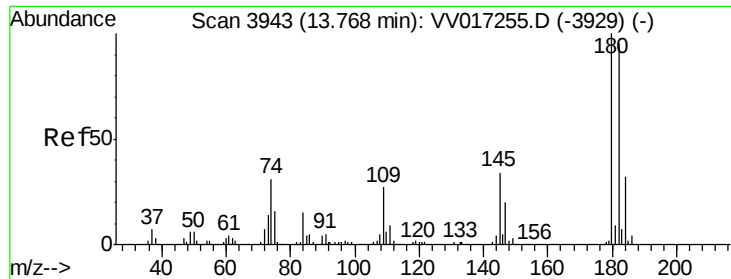
#70
 Naphthalene
 Concen: 4.779 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Tgt Ion:128 Resp: 122702
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.8 13.2
 127 13.6 10.5 15.7



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





#71
 1,2,3-Trichlorobenzene
 Concen: 5.300 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017276.D
 Acq: 01 Jul 2020 09:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Tot Ion:	180	Resp:	78605
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.4	116.0
145	32.4	25.9	38.9

