

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
 Data File : VV017338.D
 Acq On : 06 Jul 2020 09:26
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Quant Time: Jul 07 01:06:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 06 11:57:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	165971	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	158855	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	87794	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44833	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.58	69	35898	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.13	63	97631	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.00%
20) 2-Butanone-d5	3.94	46	106686	42.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.04%
24) Chloroform-d	4.37	84	104787	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.06	65	53420	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.07	84	186803	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.09	67	53011	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.00%
41) Toluene-d8	7.33	98	180261	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
45) trans-1,3-Dichloropropene-	7.64	79	23734	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
48) 2-Hexanone-d5	8.11	63	77330	39.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.00%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37816	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	70417	4.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	64642	4.879	ug/L 99
3) Chloromethane	1.25	50	49103	4.373	ug/L 98
5) Vinyl chloride	1.32	62	54081	4.966	ug/L 98
6) Bromomethane	1.53	94	27561	4.342	ug/L 99
8) Chloroethane	1.60	64	31741	5.274	ug/L 96
9) Trichlorofluoromethane	1.77	101	103441	5.865	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	52073	5.924	ug/L 97
12) 1,1-Dichloroethene	2.14	96	44318	5.564	ug/L 88
13) Acetone	2.22	43	75547	58.867	ug/L 97
14) Carbon disulfide	2.31	76	120228	5.038	ug/L 98
15) Methyl Acetate	2.46	43	15756	5.022	ug/L 93
16) Methylene chloride	2.52	84	46536	5.455	ug/L 95
17) Methyl tert-butyl Ether	2.79	73	114685	5.734	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	46991	5.567	ug/L 97
19) 1,1-Dichloroethane	3.21	63	99551	5.249	ug/L 97
21) 2-Butanone	4.02	43	116168	48.020	ug/L 99
22) cis-1,2-Dichloroethene	3.94	96	57484	4.980	ug/L # 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
 Data File : VV017338.D
 Acq On : 06 Jul 2020 09:26
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Quant Time: Jul 07 01:06:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 06 11:57:08 2020
 Response via : Initial Calibration

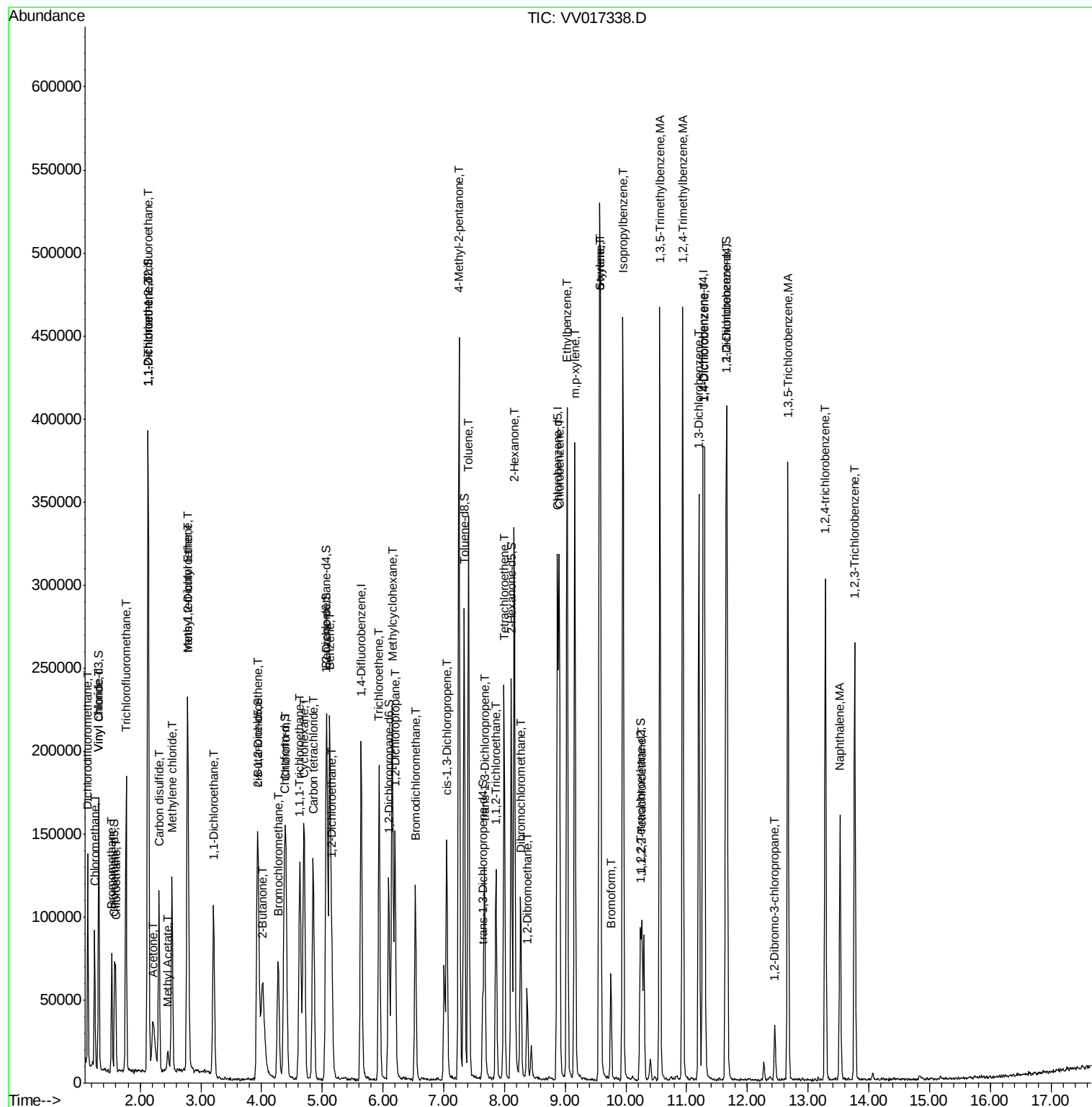
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	26559	5.414	ug/L	88
25) Chloroform	4.40	83	113300	5.469	ug/L	97
27) 1,2-Dichloroethane	5.16	62	68204	5.300	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	107520	5.649	ug/L	99
30) Cyclohexane	4.70	56	80837	4.464	ug/L	98
31) Carbon tetrachloride	4.85	117	99444	5.791	ug/L	96
33) Benzene	5.12	78	208677	5.016	ug/L	100
34) Trichloroethene	5.94	95	62464	5.128	ug/L	96
35) Methylcyclohexane	6.15	83	87664	4.629	ug/L	97
37) 1,2-Dichloropropane	6.20	63	51313	4.983	ug/L	99
38) Bromodichloromethane	6.53	83	77389	5.532	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	79164	5.174	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	287064	48.279	ug/L	99
42) Toluene	7.41	91	233775	4.833	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	234366	5.419	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	242577	5.508	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	70770	5.347	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	37721	5.164	ug/L	96
49) Tetrachloroethene	7.99	164	51663	5.269	ug/L	99
50) 2-Hexanone	8.16	43	204192	48.256	ug/L	98
51) Dibromochloromethane	8.27	129	50790	5.736	ug/L	99
52) 1,2-Dibromoethane	8.37	107	34311	4.953	ug/L	97
53) Chlorobenzene	8.90	112	156991	5.207	ug/L	97
54) Ethylbenzene	9.03	91	271026	5.250	ug/L	98
55) m,p-xylene	9.16	106	102984	5.086	ug/L	96
56) o-xylene	9.56	106	97986	5.186	ug/L	96
57) Styrene	9.58	104	170949	5.460	ug/L	97
58) Isopropylbenzene	9.95	105	276420	5.316	ug/L	99
60) 1,1,1,2-Tetrachloroethane	10.26	83	40889	5.412	ug/L	94
62) Bromoform	9.75	173	28908	6.155	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	137880	5.217	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	136935	5.097	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	122115	5.091	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	8214	6.191	ug/L	93
68) 1,3,5-Trichlorobenzene	12.67	180	110418	5.200	ug/L	98
69) 1,2,4-trichlorobenzene	13.28	180	89688	5.131	ug/L	99
70) Naphthalene	13.53	128	123484	5.002	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	78442	5.502	ug/L	99

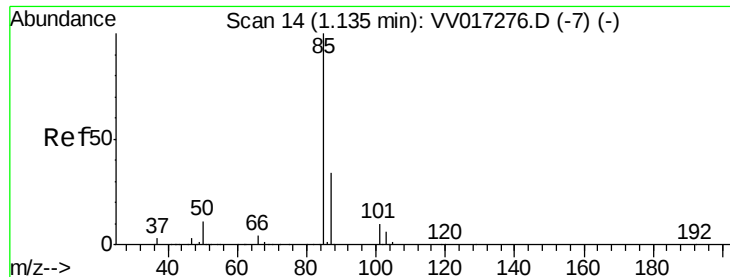
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
Data File : VV017338.D
Acq On : 06 Jul 2020 09:26
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Quant Time: Jul 07 01:06:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 06 11:57:08 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.879 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

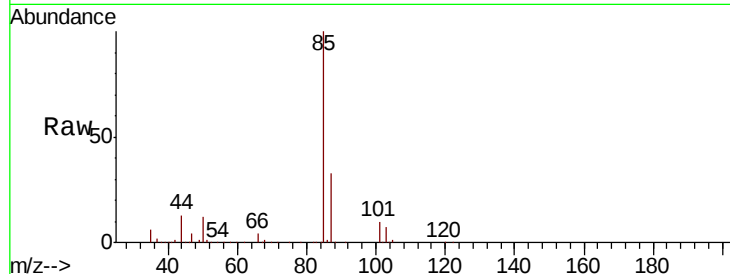
VSTD00547

Tot Ion: 85 Resp: 64642

Ion Ratio Lower Upper

85 100

87 32.4 26.3 39.5

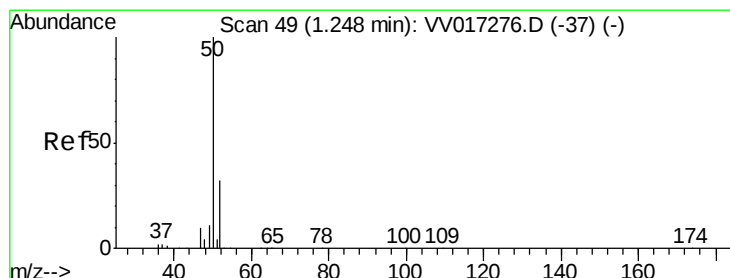
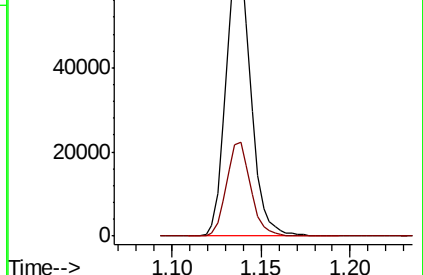
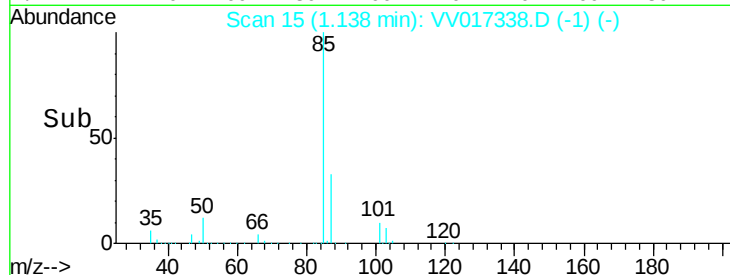


Abundance Ion 85.00 (84.70 to 85.70): VV017338.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017338.D (-1) (-)

1.14

Time-->



#3

Chloromethane

Concen: 4.373 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV017338.D

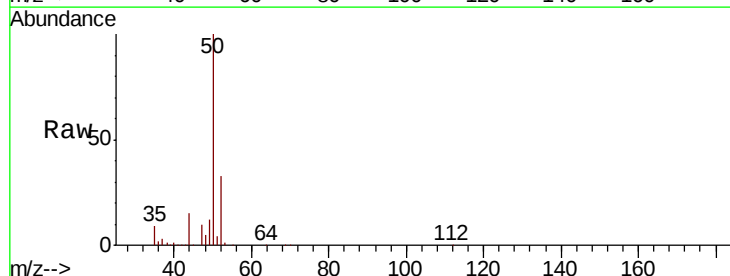
Acq: 06 Jul 2020 09:26

Tgt Ion: 50 Resp: 49103

Ion Ratio Lower Upper

50 100

52 33.1 22.5 41.9

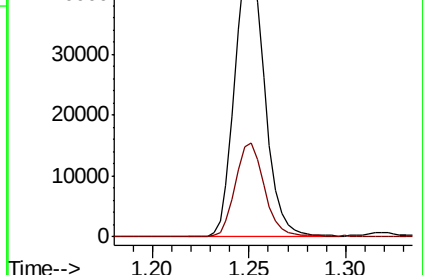
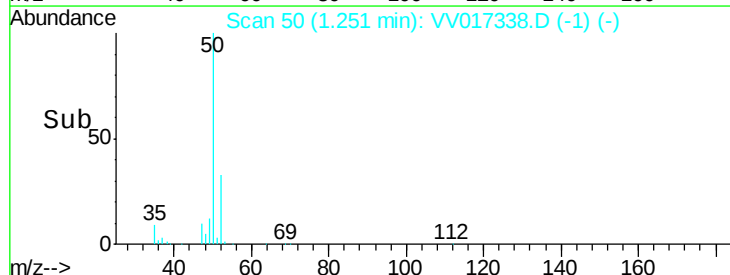


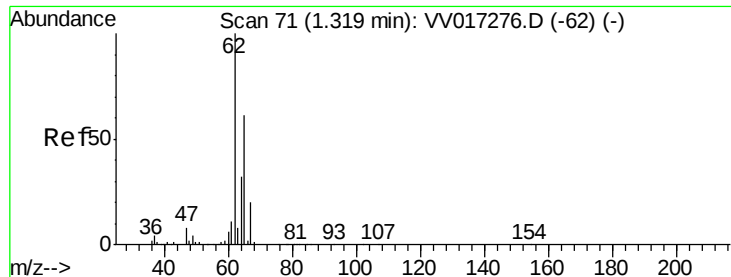
Abundance Ion 50.05 (49.75 to 50.75): VV017338.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV017338.D (-1) (-)

1.25

Time-->





#5

Vinyl chloride

Concen: 4.966 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

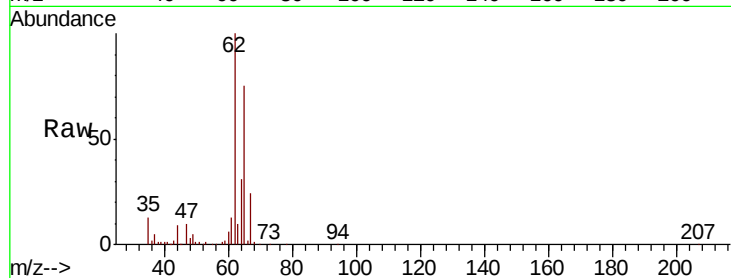
VSTD00547

Tot Ion: 62 Resp: 54081

Ion Ratio Lower Upper

62 100

64 30.8 22.5 41.7

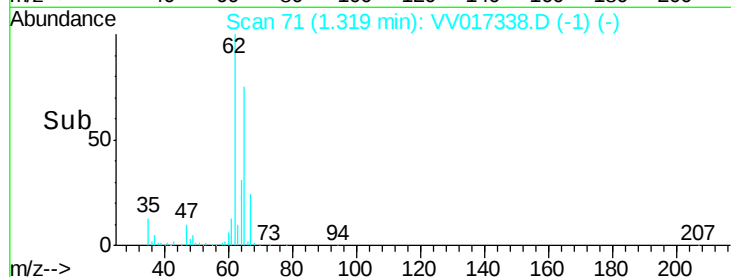


Abundance Ion 62.00 (61.70 to 62.70): VV017276.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017276.D (-62) (-)

1.32

Time-->

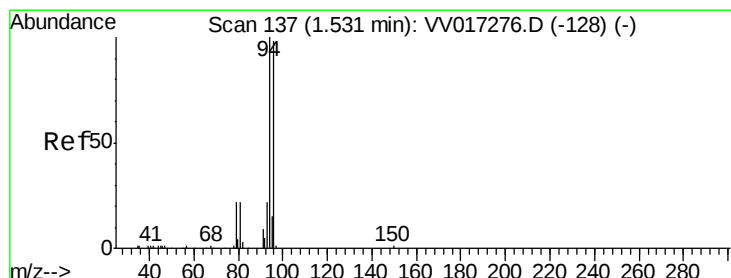


Abundance Ion 94.00 (93.70 to 94.70): VV017276.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV017276.D (-128) (-)

1.53

Time-->



#6

Bromomethane

Concen: 4.342 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV017338.D

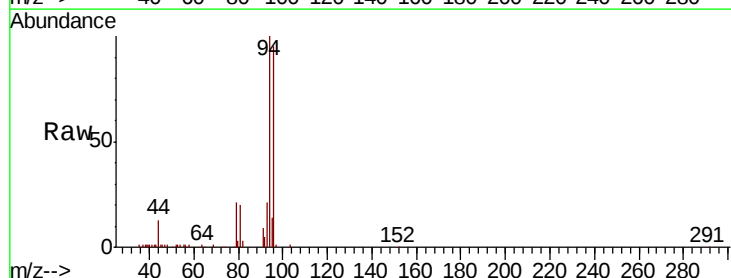
Acq: 06 Jul 2020 09:26

Tgt Ion: 94 Resp: 27561

Ion Ratio Lower Upper

94 100

96 95.1 66.2 123.0

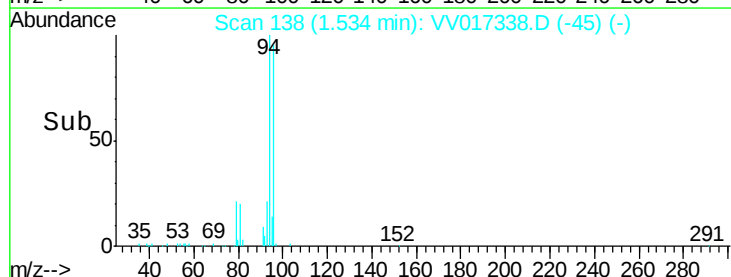


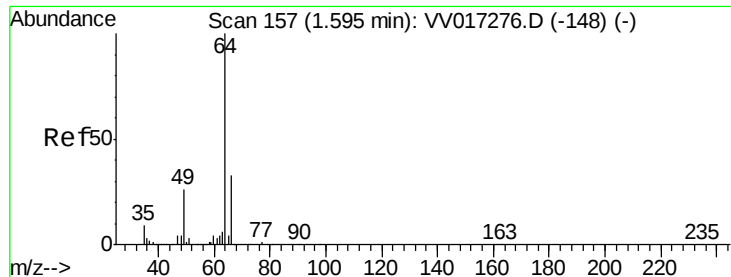
Abundance Ion 94.00 (93.70 to 94.70): VV017338.D (-45) (-)

Ion 96.00 (95.70 to 96.70): VV017338.D (-45) (-)

1.53

Time-->

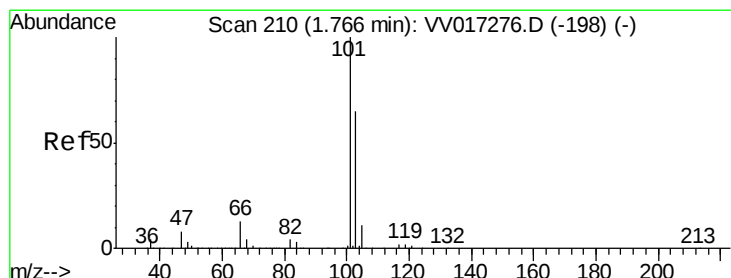
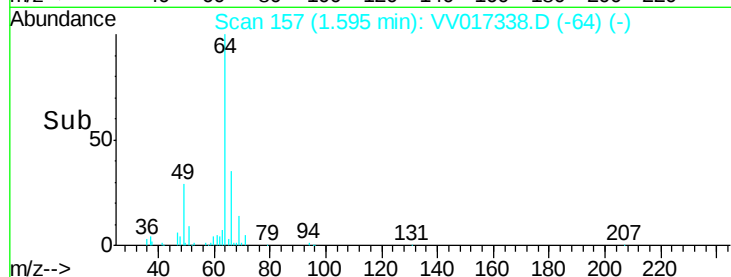
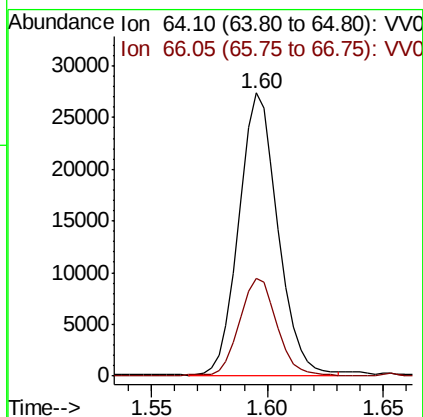
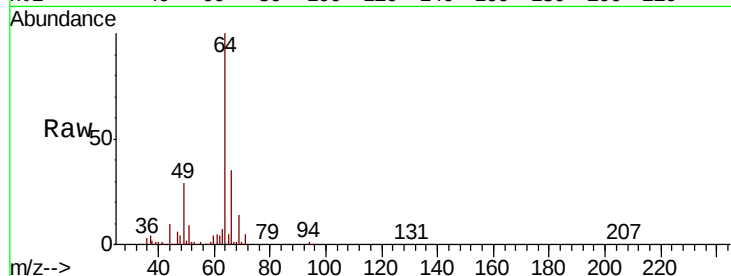




#8
Chloroethane
Concen: 5.274 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

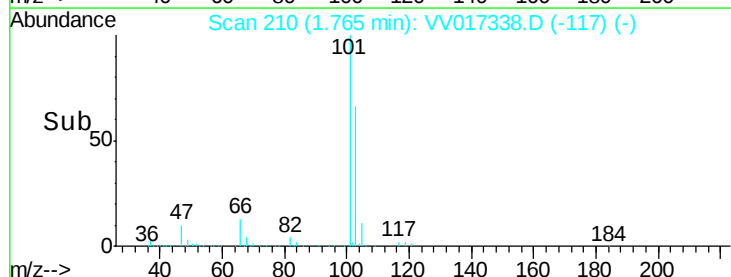
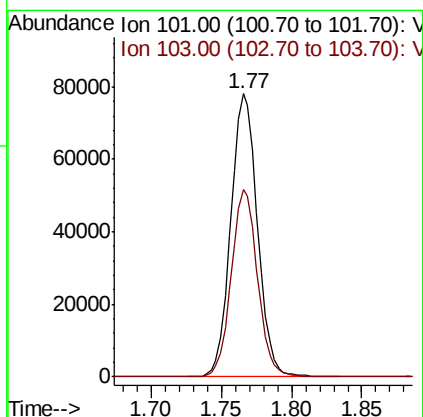
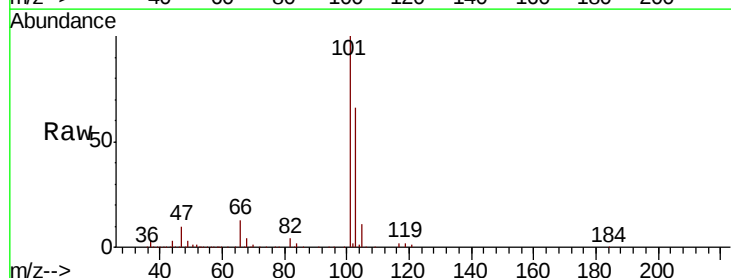
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

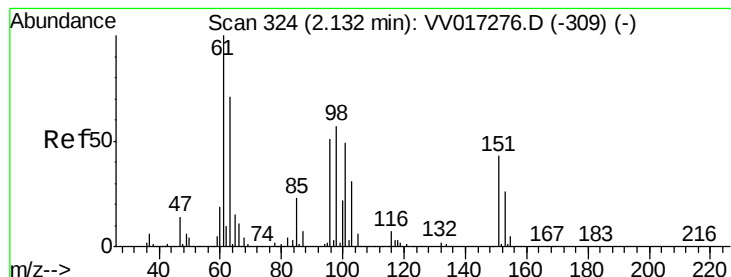
Tot Ion: 64 Resp: 31741
Ion Ratio Lower Upper
64 100
66 34.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.865 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

Tgt Ion: 101 Resp: 103441
Ion Ratio Lower Upper
101 100
103 65.2 50.9 76.3





#10

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

Concen: 5.924 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

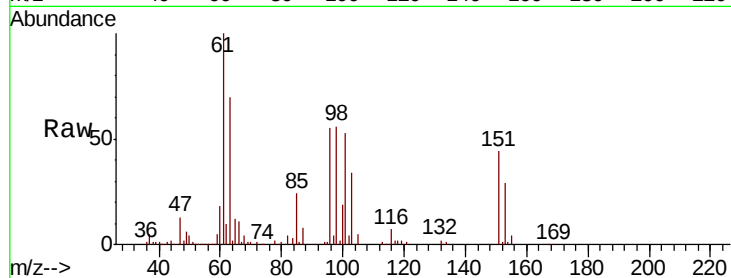
Tot Ion:101 Resp: 52073

Ion Ratio Lower Upper

101 100

85 45.7 35.4 53.2

151 83.1 63.9 95.9

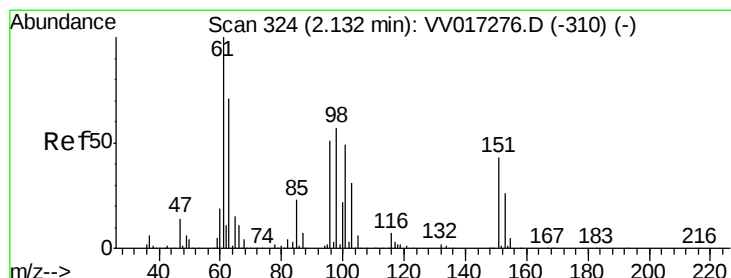
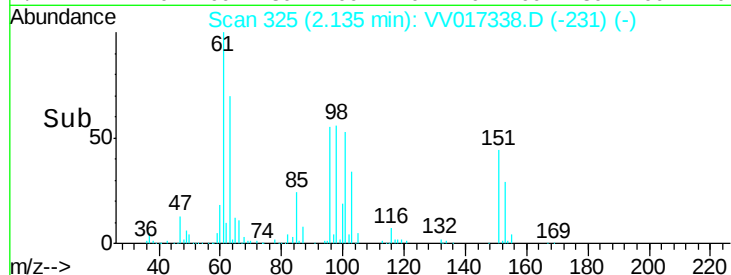
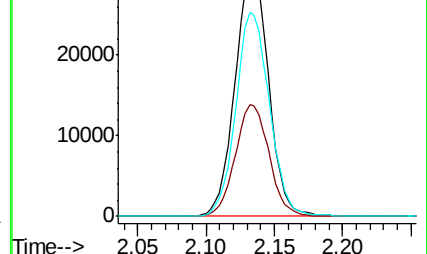


Abundance Ion 101.00 (100.70 to 101.70): VV017338.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV017338.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV017338.D (-231) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 5.564 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

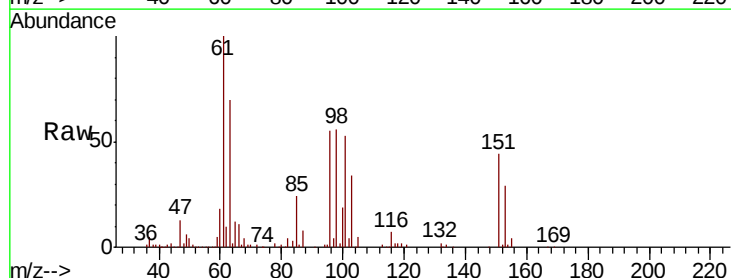
Tgt Ion: 96 Resp: 44318

Ion Ratio Lower Upper

96 100

61 181.9 125.0 232.2

63 127.2 109.8 203.8

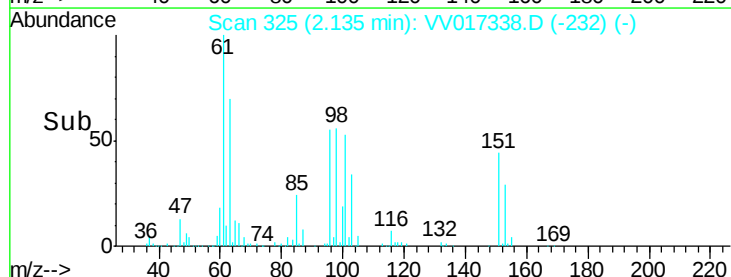
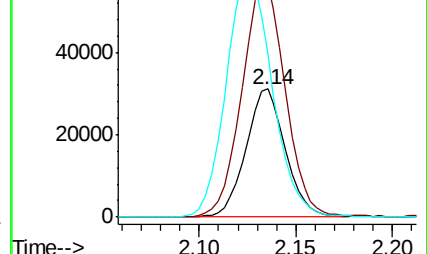


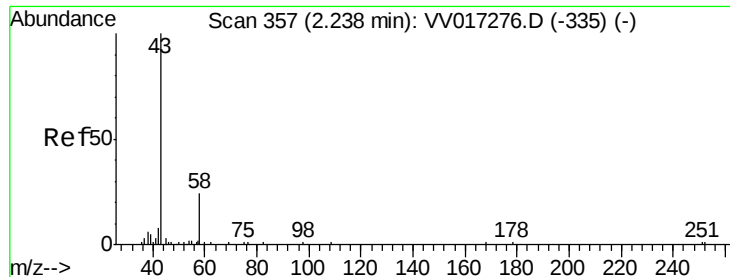
Abundance Ion 96.00 (95.70 to 96.70): VV017338.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV017338.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV017338.D (-232) (-)

Time-->





#13

Acetone

Concen: 58.867 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.01 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

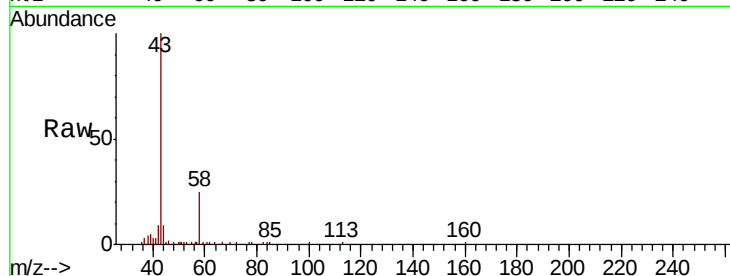
VSTD00547

Tot Ion: 43 Resp: 75547

Ion Ratio Lower Upper

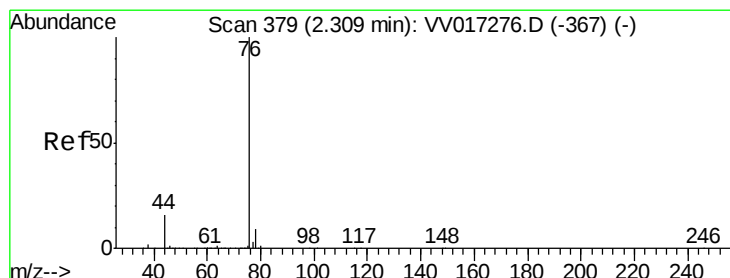
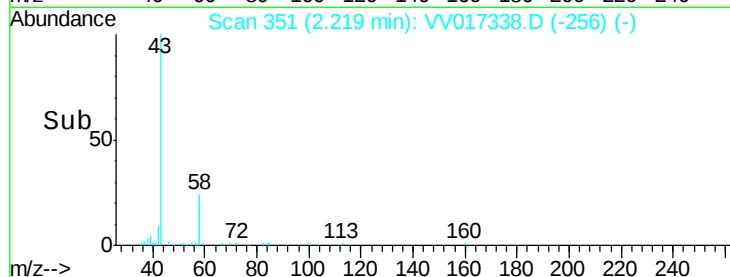
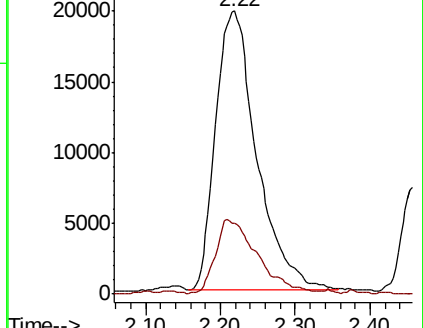
43 100

58 27.4 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017276.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV017276.D (-335) (-)



#14

Carbon disulfide

Concen: 5.038 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV017338.D

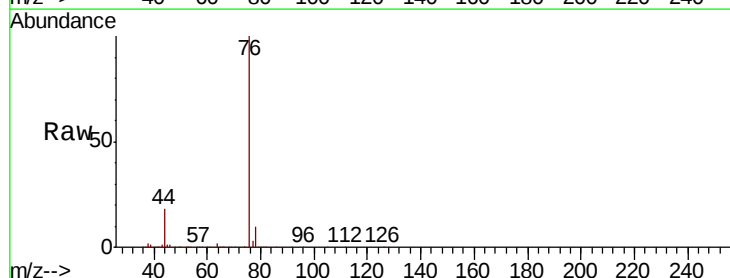
Acq: 06 Jul 2020 09:26

Tgt Ion: 76 Resp: 120228

Ion Ratio Lower Upper

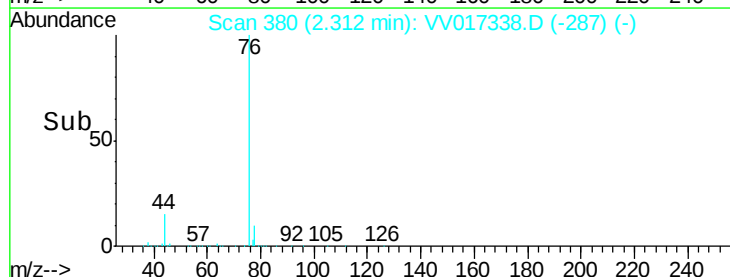
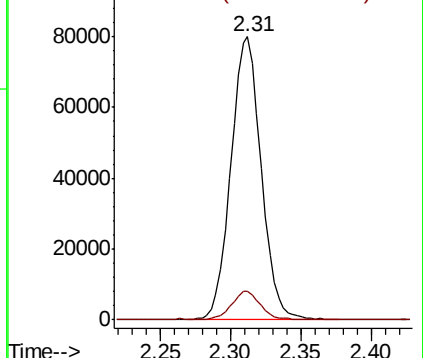
76 100

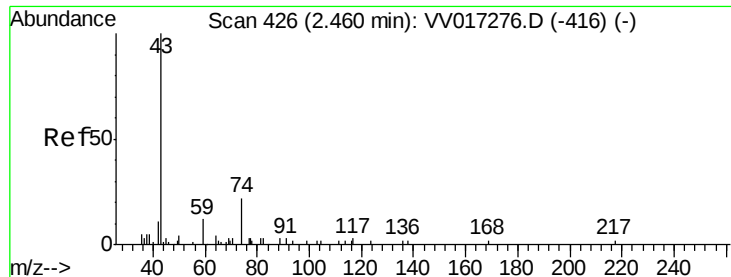
78 10.2 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV017276.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017276.D (-367) (-)

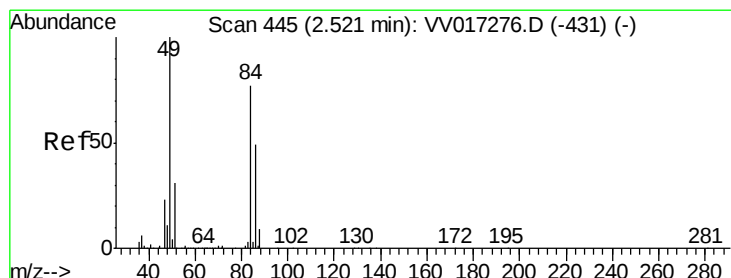
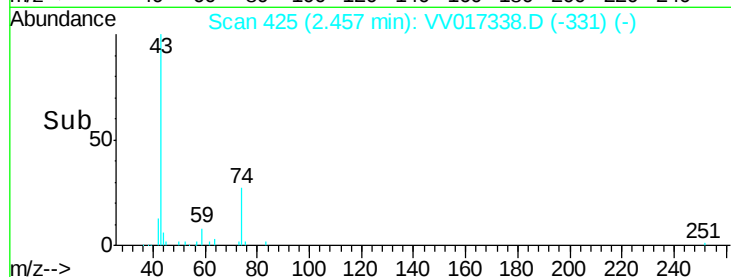
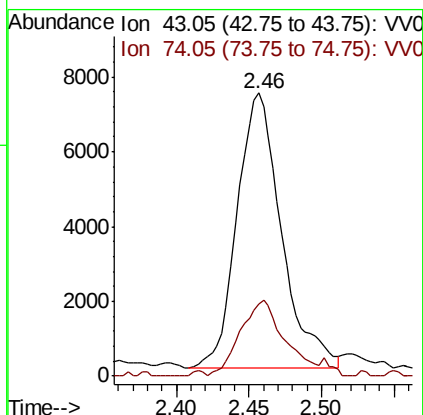
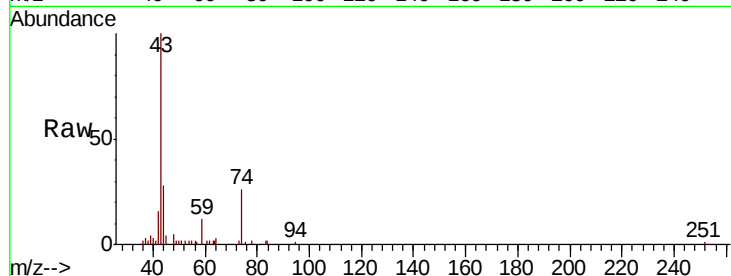




#15
Methvl Acetate
Concen: 5.022 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

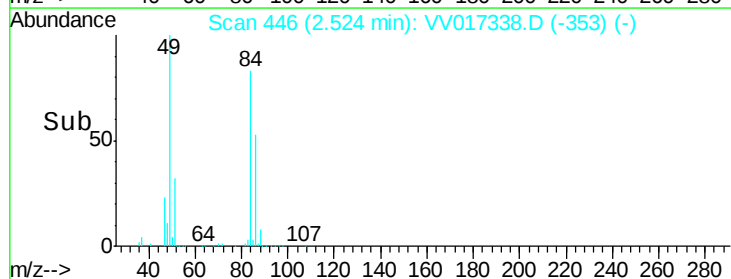
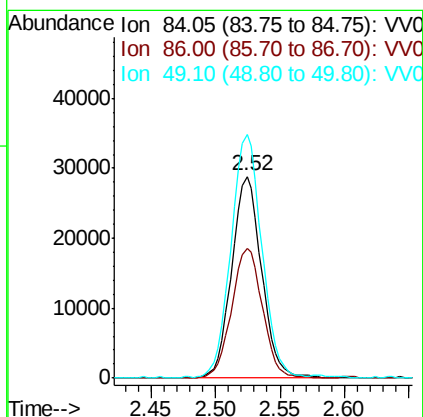
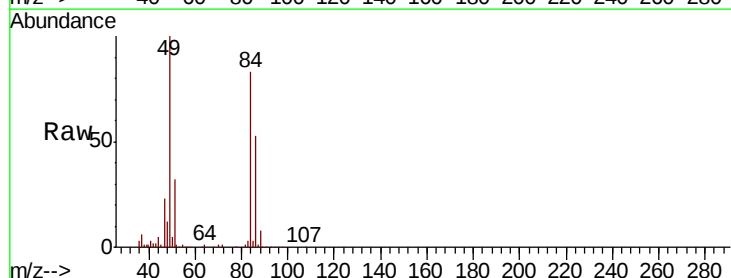
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

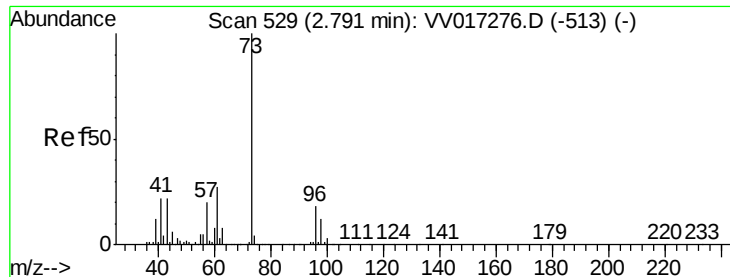
Tot Ion: 43 Resp: 15756
Ion Ratio Lower Upper
43 100
74 27.5 19.1 28.7



#16
Methylene chloride
Concen: 5.455 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

Tgt Ion: 84 Resp: 46536
Ion Ratio Lower Upper
84 100
86 64.1 45.8 85.0
49 120.8 89.6 166.4



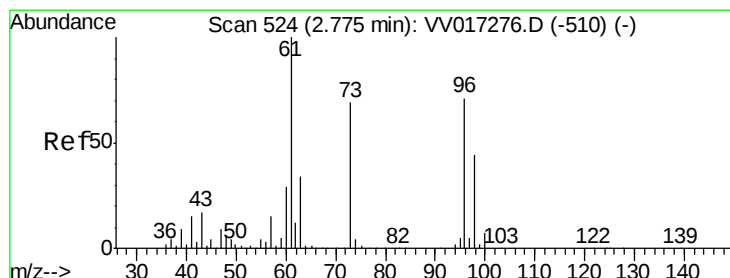
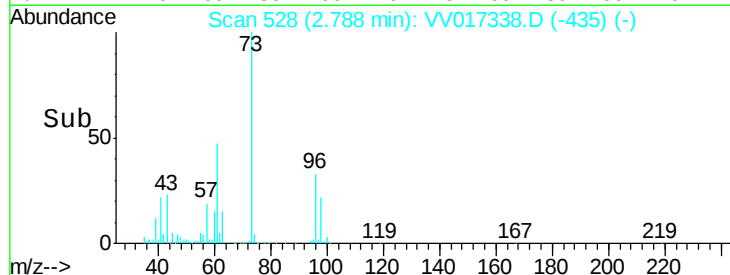
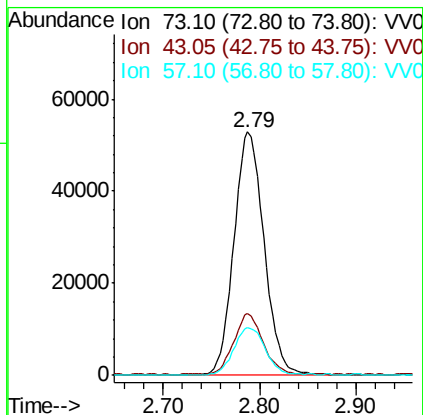
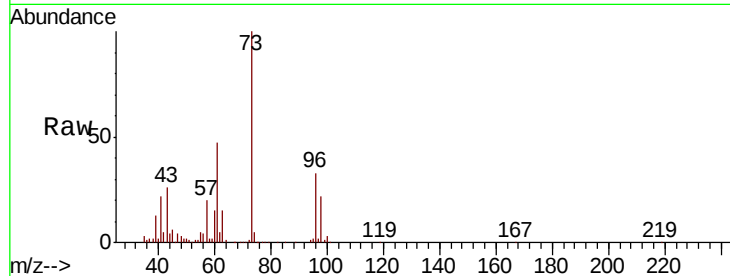


#17

Methvl tert-butvl Ether
 Concen: 5.734 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

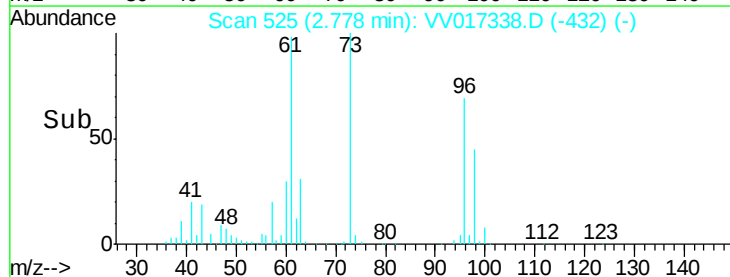
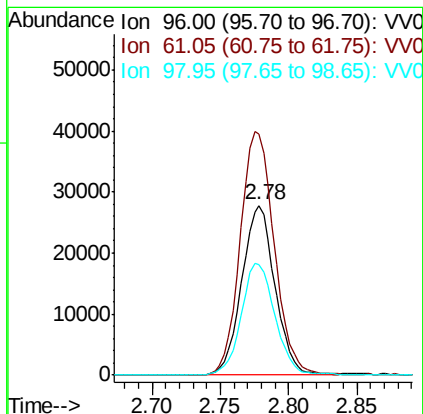
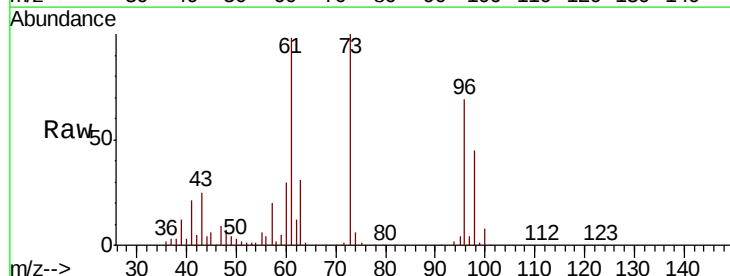
Tot Ion: 73 Resp: 114685
 Ion Ratio Lower Upper
 73 100
 43 24.0 18.6 28.0
 57 20.0 16.4 24.6

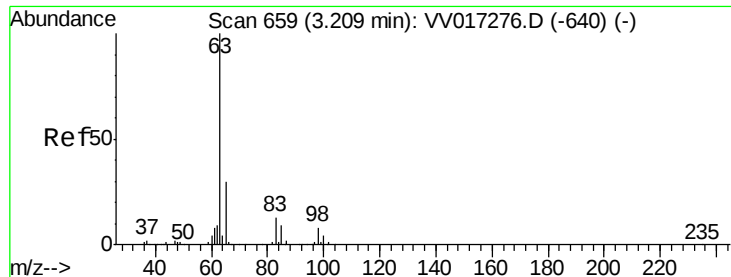


#18

trans-1,2-Dichloroethene
 Concen: 5.567 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

Tgt Ion: 96 Resp: 46991
 Ion Ratio Lower Upper
 96 100
 61 141.9 102.3 189.9
 98 64.9 44.7 82.9





#19

1,1-Dichloroethane

Concen: 5.249 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

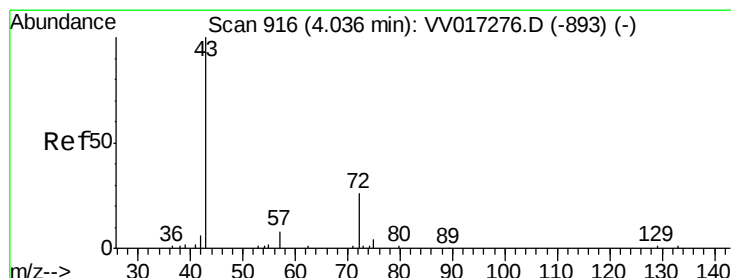
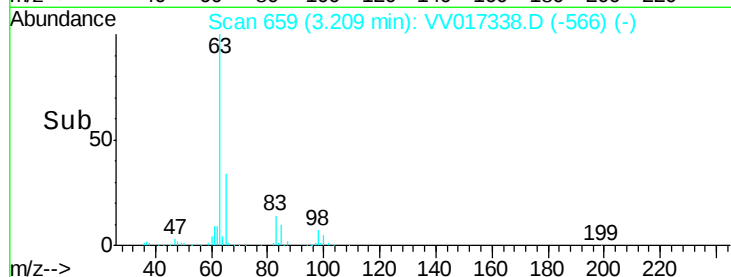
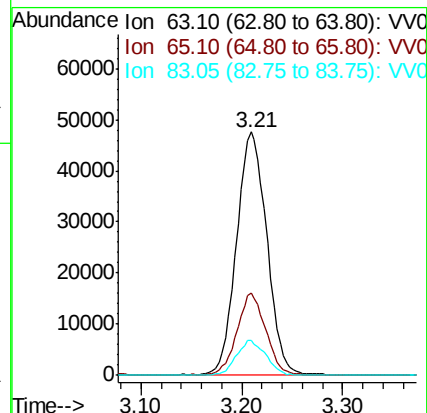
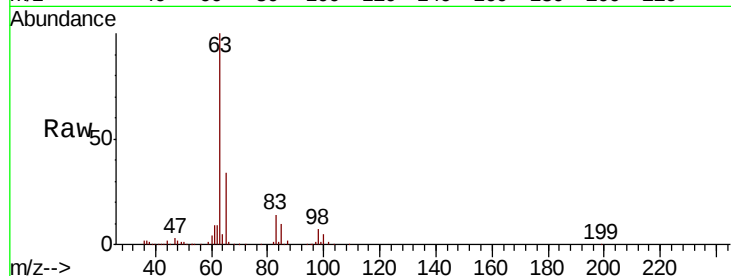
Tot Ion: 63 Resp: 99551

Ion Ratio Lower Upper

63 100

65 33.6 21.8 40.4

83 14.3 9.7 17.9



#21

2-Butanone

Concen: 48.020 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV017338.D

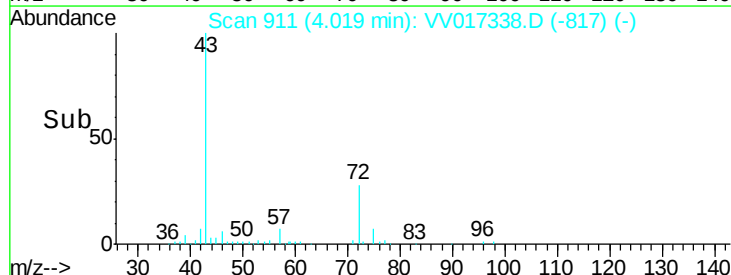
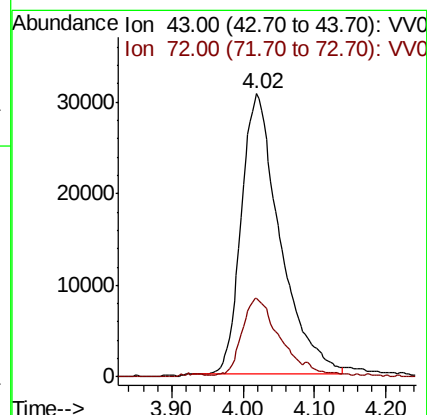
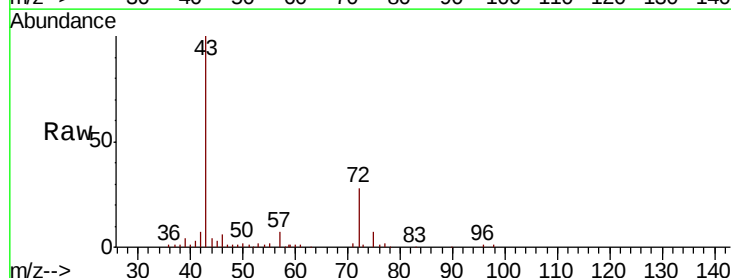
Acq: 06 Jul 2020 09:26

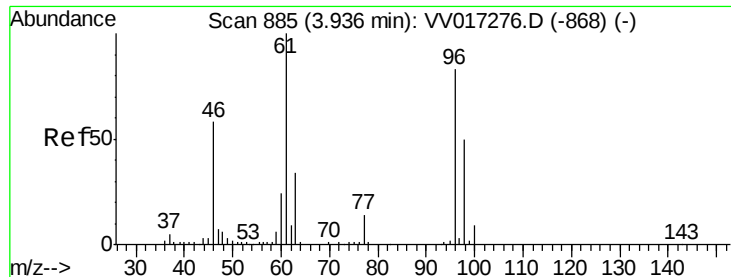
Tgt Ion: 43 Resp: 116168

Ion Ratio Lower Upper

43 100

72 25.4 12.4 37.4



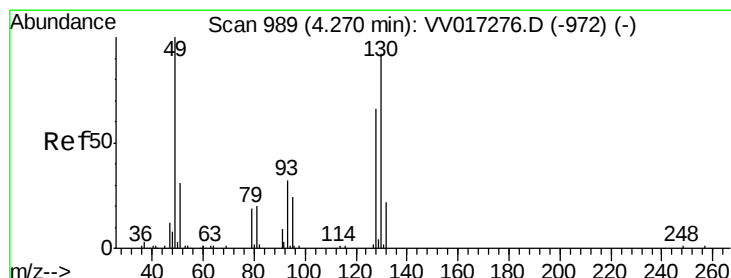
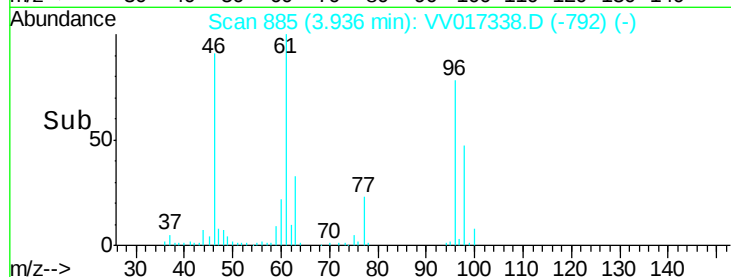
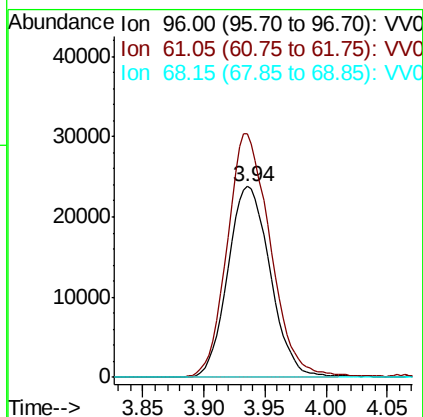
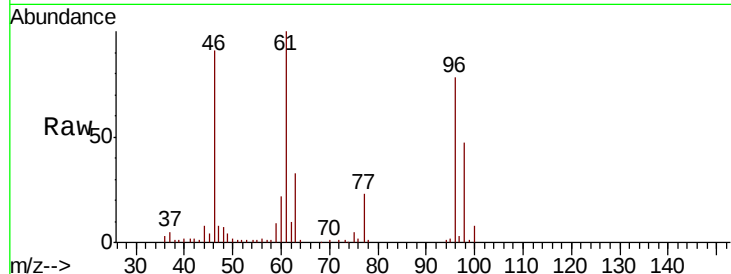


#22

cis-1,2-Dichloroethene
 Concen: 4.980 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

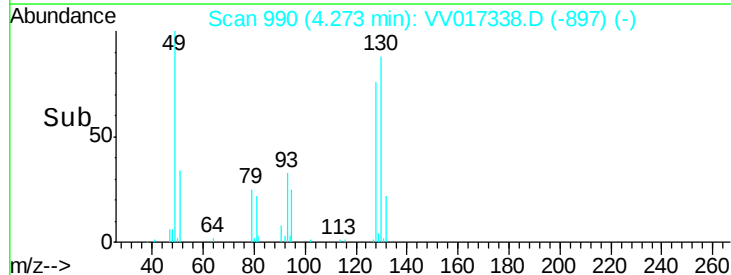
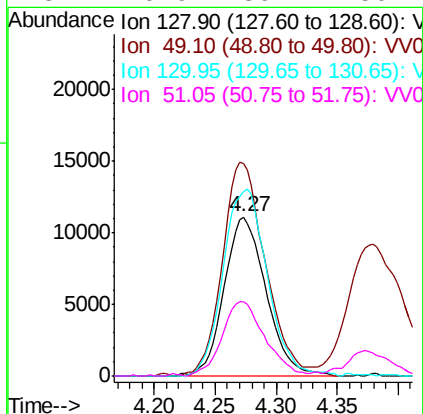
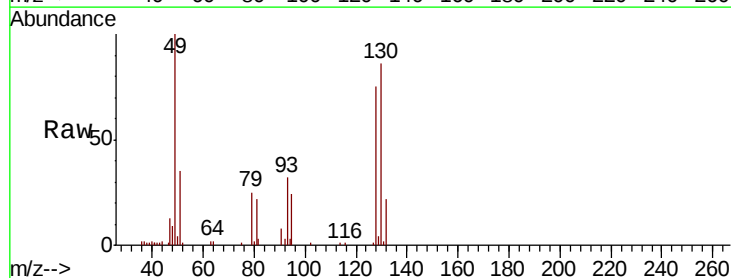
Tot Ion: 96 Resp: 57484
 Ion Ratio Lower Upper
 96 100
 61 127.4 91.0 169.0
 68 0.4 0.0 0.0#

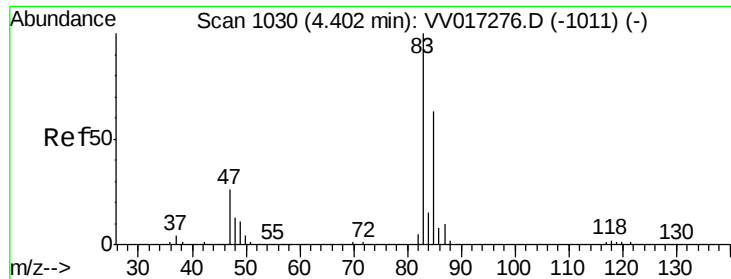


#23

Bromochloromethane
 Concen: 5.414 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

Tgt Ion: 128 Resp: 26559
 Ion Ratio Lower Upper
 128 100
 49 134.2 110.8 205.8
 130 116.0 86.0 159.8
 51 46.9 39.4 59.2

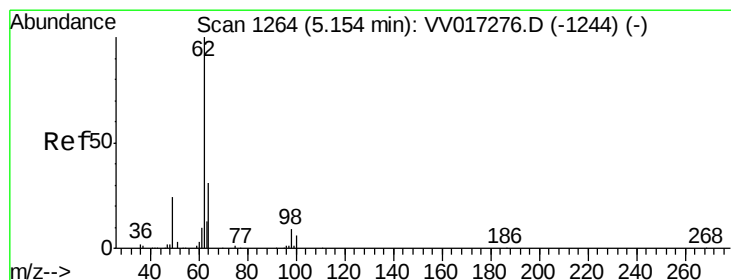
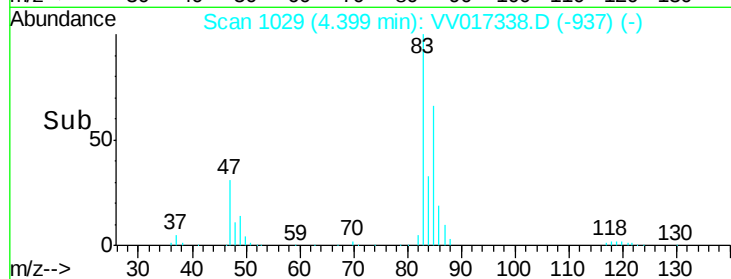
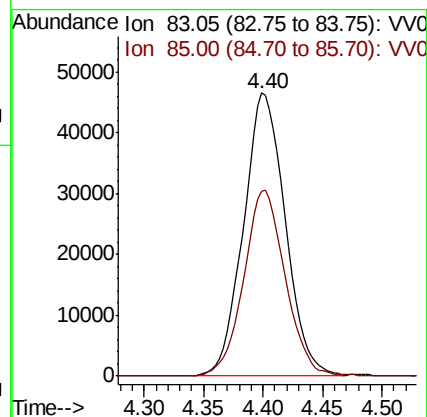
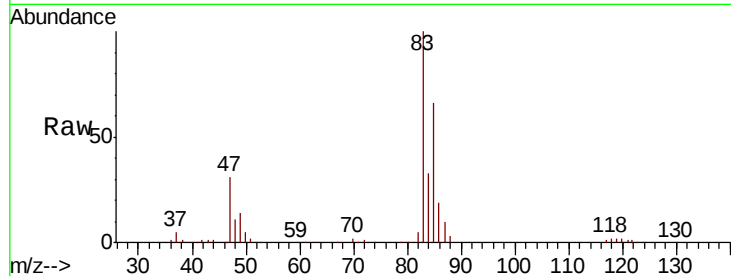




#25
Chloroform
Concen: 5.469 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

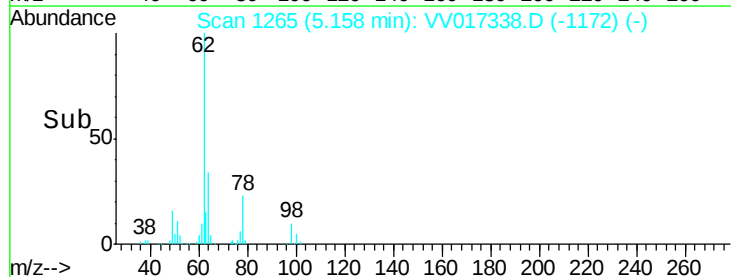
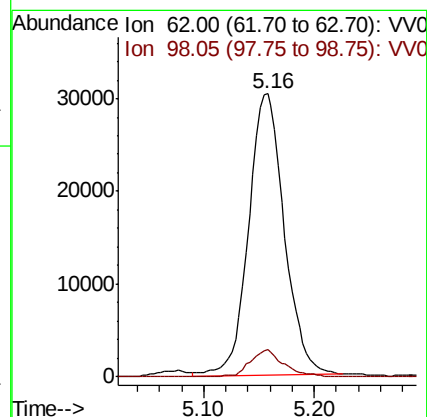
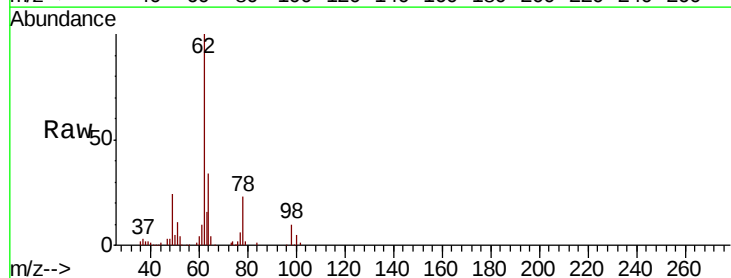
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

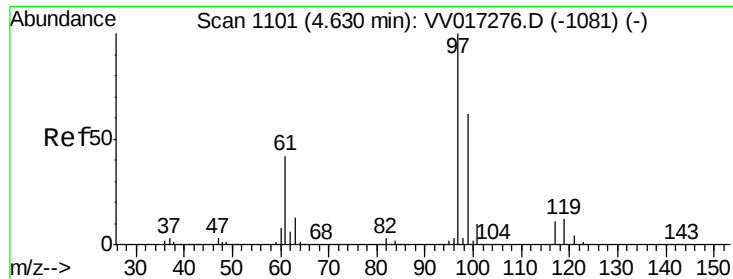
Tot Ion: 83 Resp: 113300
Ion Ratio Lower Upper
83 100
85 65.5 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.300 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

Tgt Ion: 62 Resp: 68204
Ion Ratio Lower Upper
62 100
98 9.6 6.7 10.1

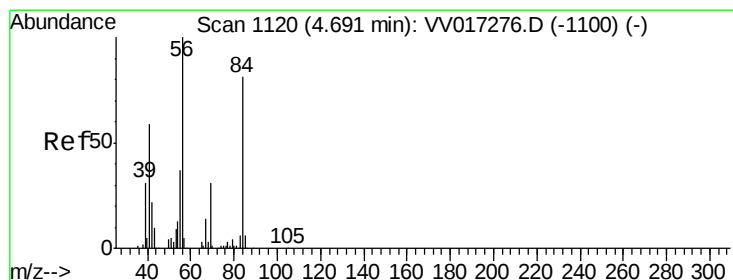
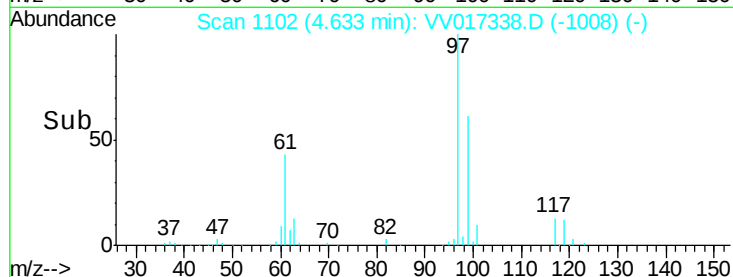
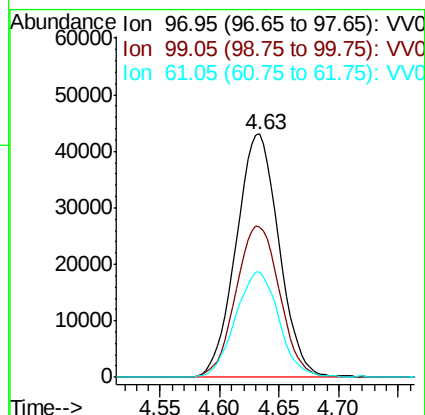
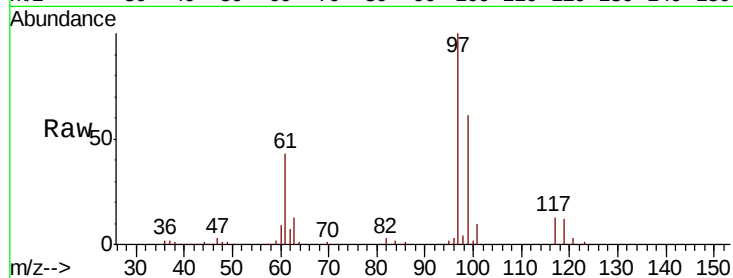




#29
1,1,1-Trichloroethane
Concen: 5.649 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

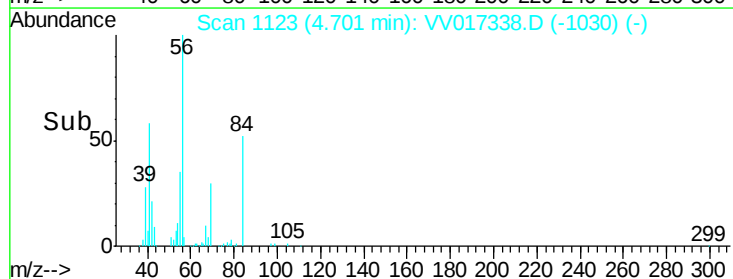
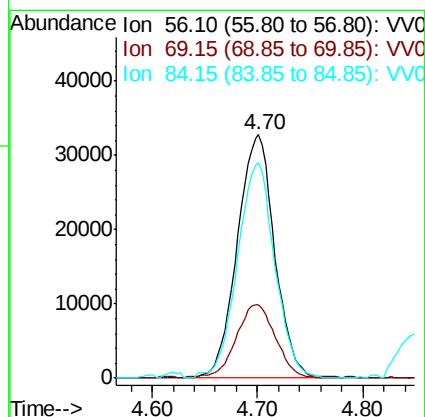
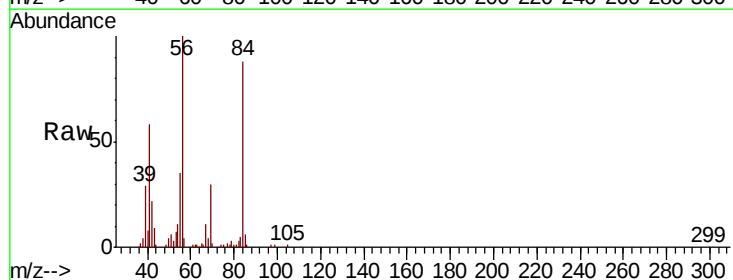
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

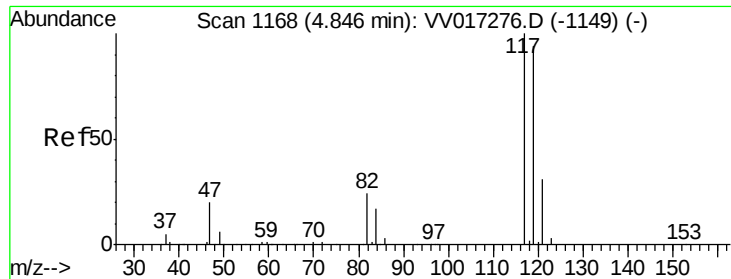
Tot Ion: 97 Resp: 107520
Ion Ratio Lower Upper
97 100
99 63.6 50.3 75.5
61 44.2 36.0 54.0



#30
Cyclohexane
Concen: 4.464 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

Tgt Ion: 56 Resp: 80837
Ion Ratio Lower Upper
56 100
69 31.9 24.4 36.6
84 88.8 69.9 104.9





#31

Carbon tetrachloride

Concen: 5.791 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

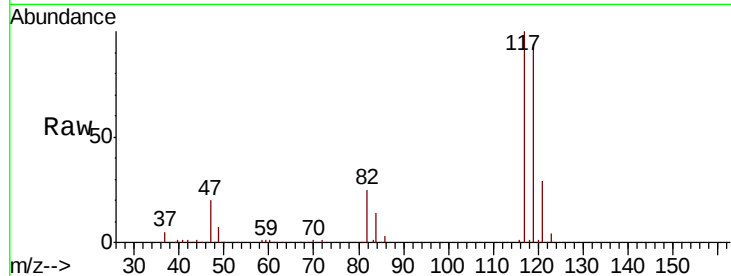
VSTD00547

Tot Ion:117 Resp: 99444

Ion Ratio Lower Upper

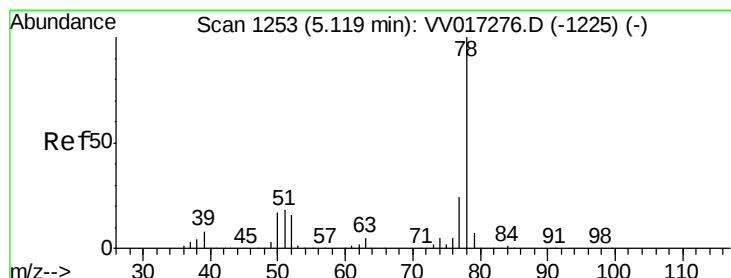
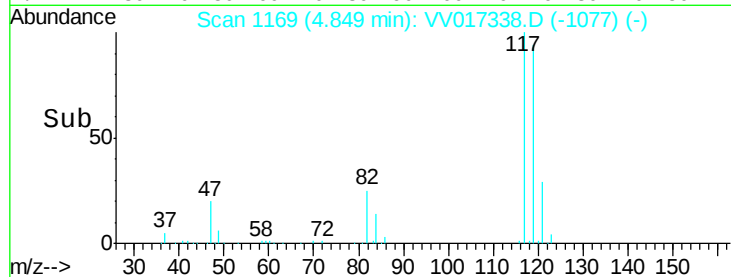
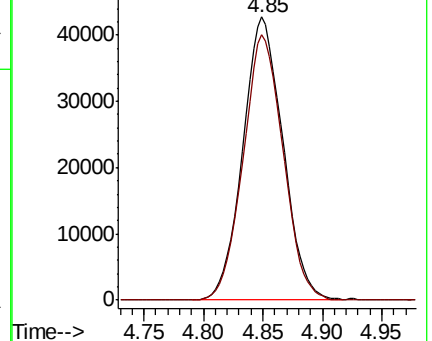
117 100

119 93.5 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: 5.016 ug/L

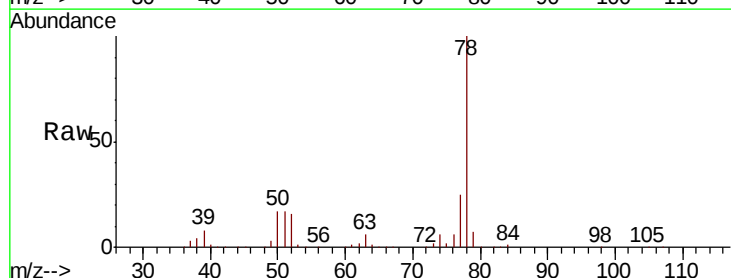
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

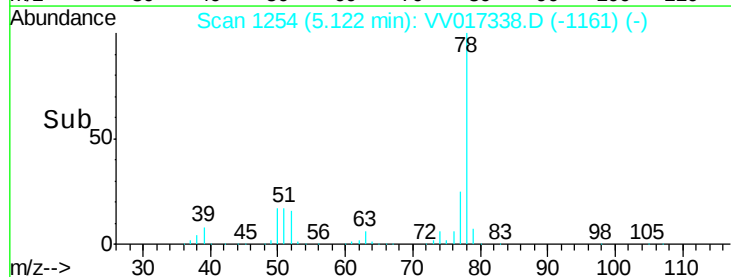
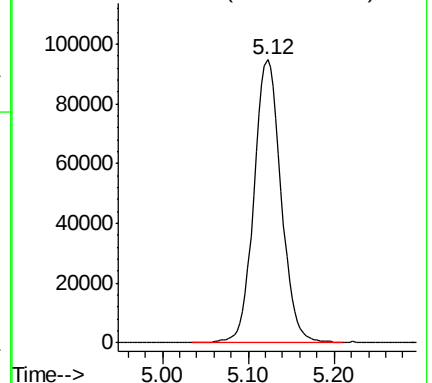
Lab File: VV017338.D

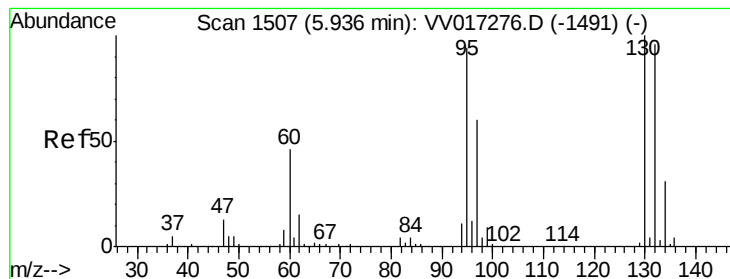
Acq: 06 Jul 2020 09:26

Tgt Ion: 78 Resp: 208677



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.128 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

Tot Ion: 95 Resp: 62464

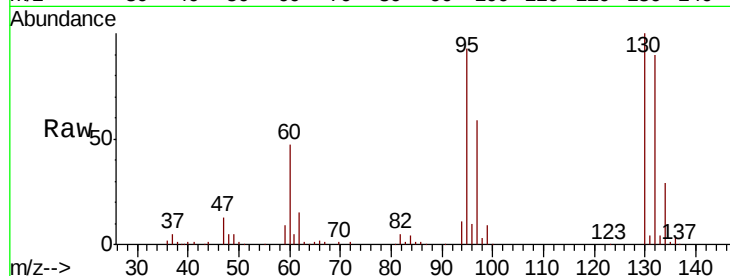
Ion Ratio Lower Upper

95 100

97 63.4 45.3 84.1

132 96.2 68.8 127.8

130 107.2 70.2 130.4

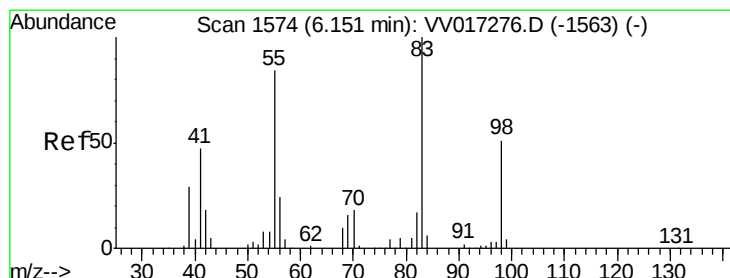
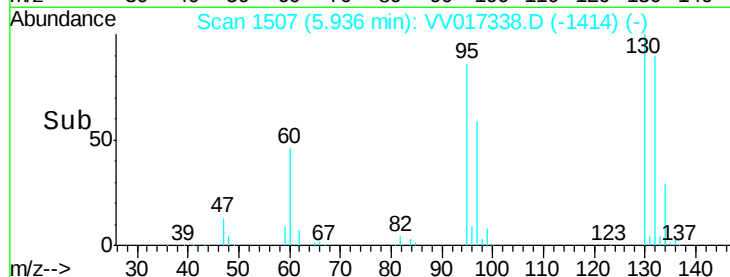
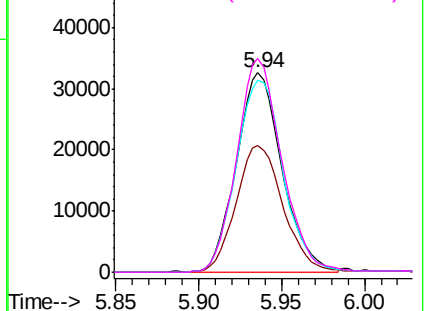


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.629 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

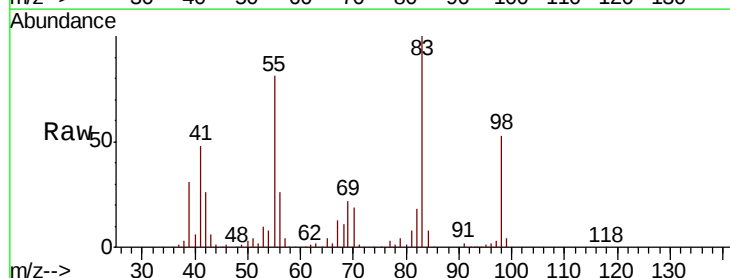
Tgt Ion: 83 Resp: 87664

Ion Ratio Lower Upper

83 100

55 77.6 63.6 95.4

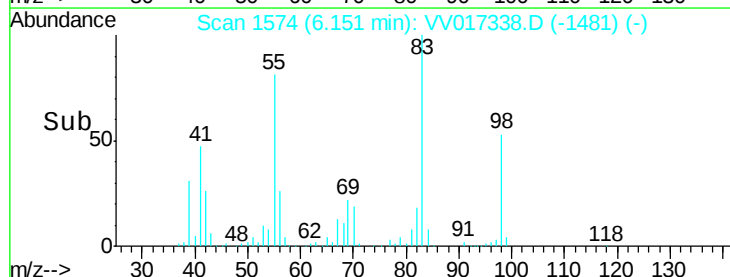
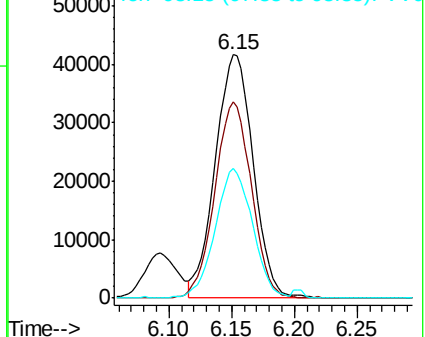
98 52.3 38.8 58.2

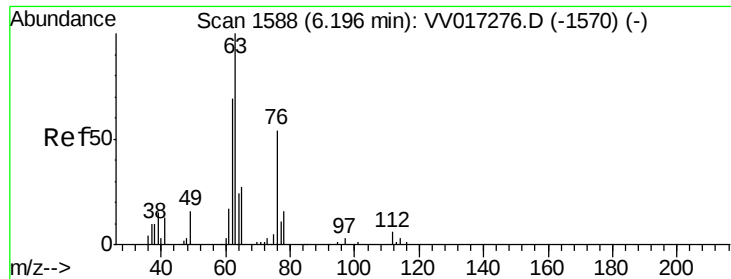


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

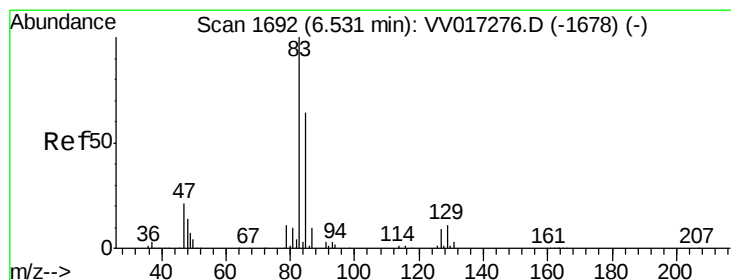
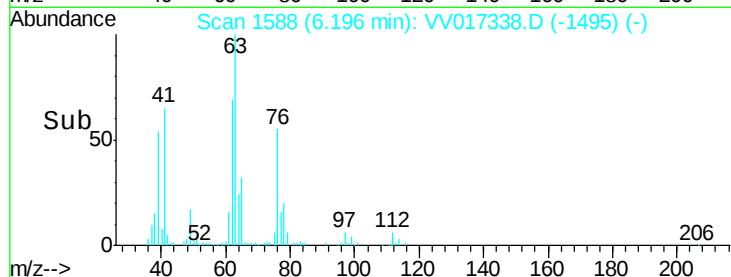
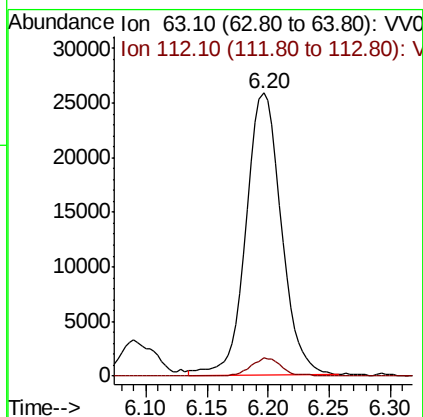
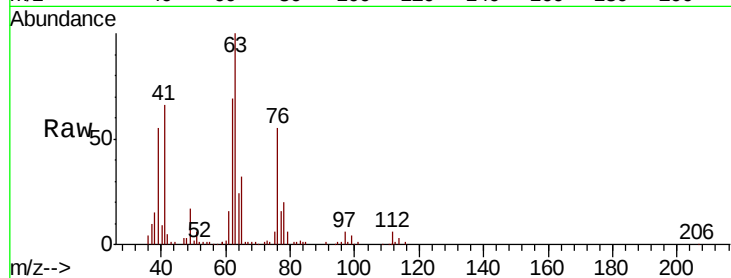




#37
 1,2-Dichloropropane
 Concen: 4.983 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

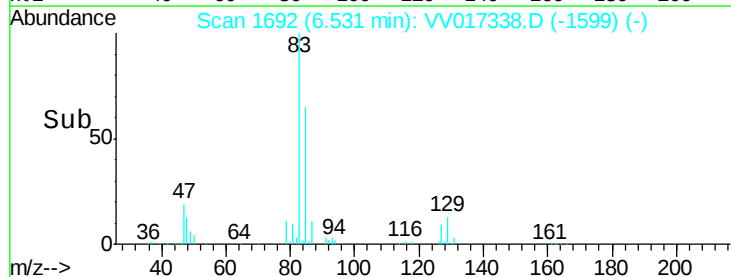
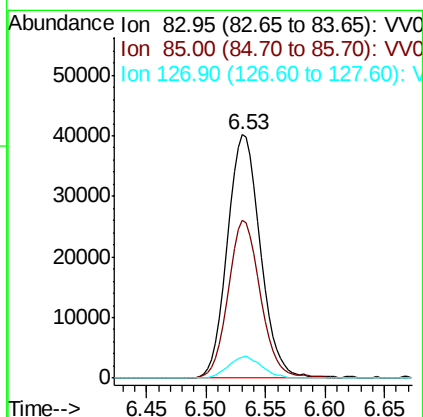
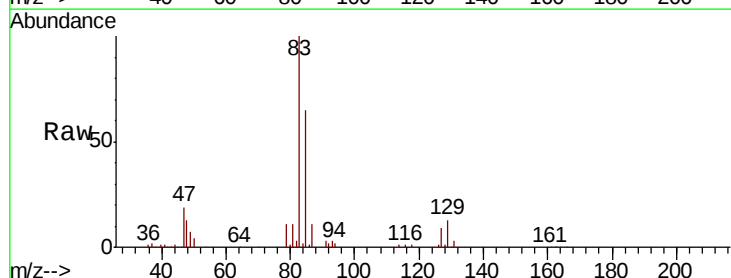
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

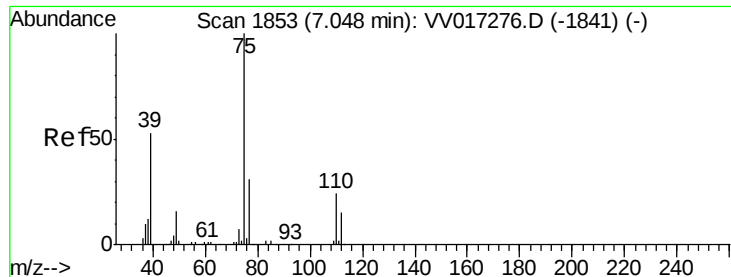
Tot Ion: 63 Resp: 51313
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.4 6.6



#38
 Bromodichloromethane
 Concen: 5.532 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

Tgt Ion: 83 Resp: 77389
 Ion Ratio Lower Upper
 83 100
 85 65.0 43.4 80.6
 127 8.8 7.9 11.9

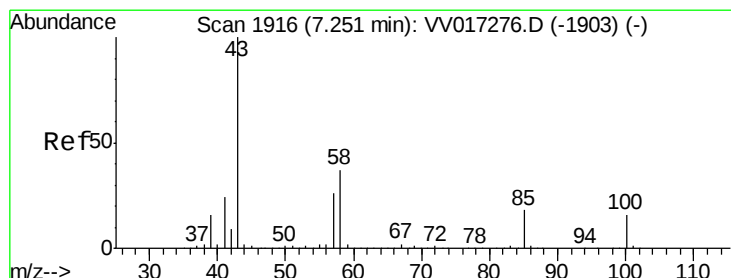
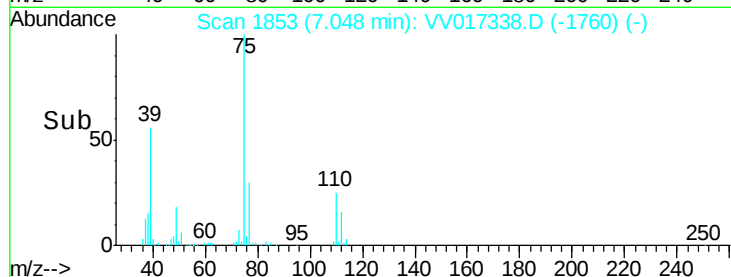
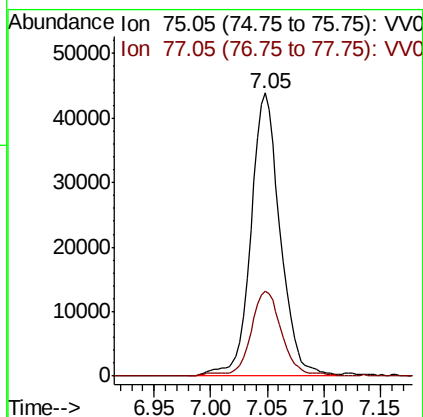
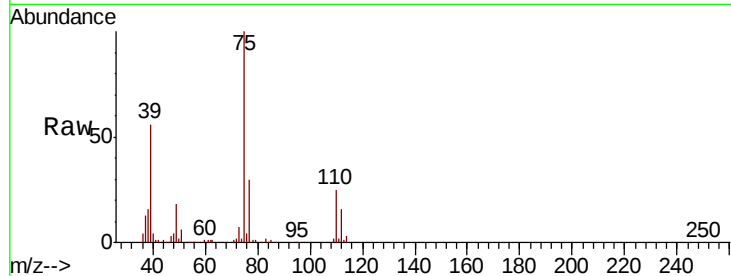




#39
 cis-1,3-Dichloropropene
 Concen: 5.174 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

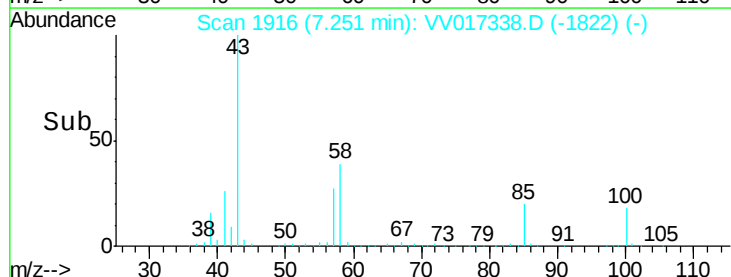
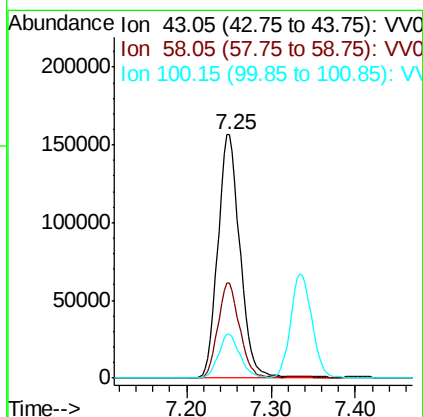
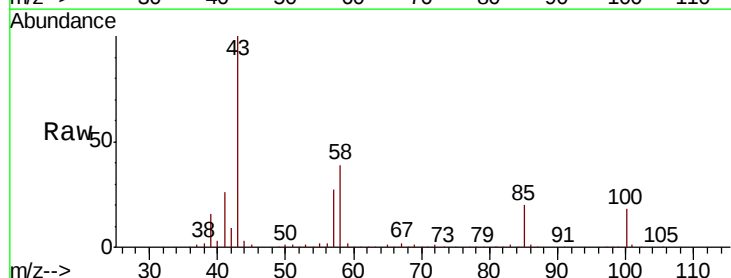
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

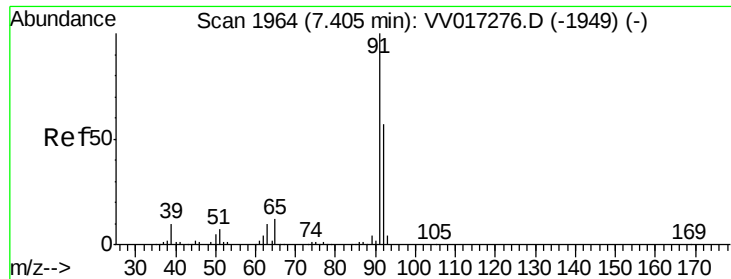
Tot Ion: 75 Resp: 79164
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 48.279 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

Tgt Ion: 43 Resp: 287064
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.4 45.6
 100 17.3 12.7 19.1





#42

Toluene

Concen: 4.833 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

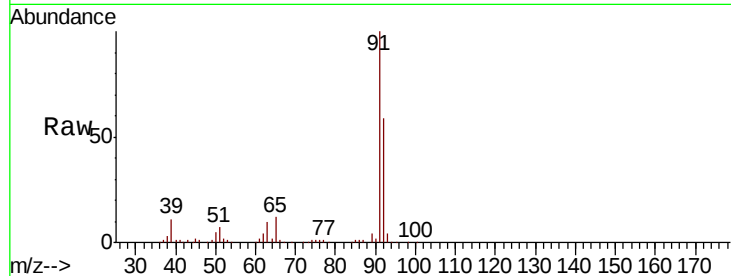
VSTD00547

Tot Ion: 91 Resp: 233775

Ion Ratio Lower Upper

91 100

92 58.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017276.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017276.D (-1949) (-)

7.41

150000

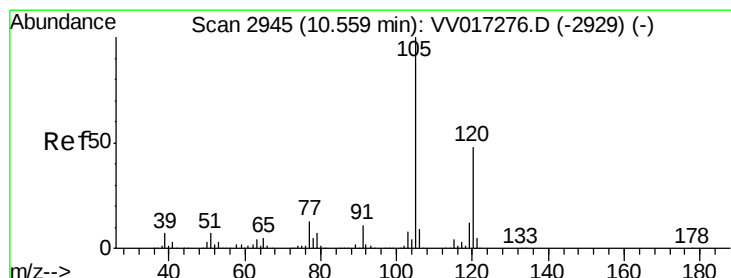
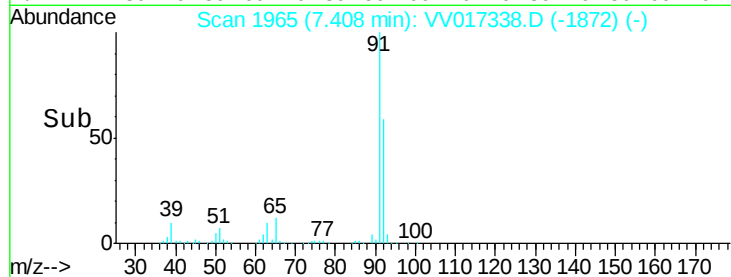
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.419 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017338.D

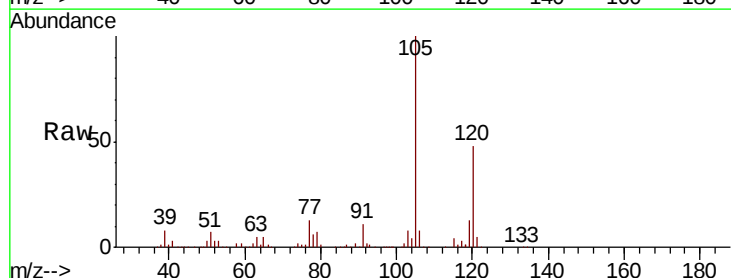
Acq: 06 Jul 2020 09:26

Tgt Ion: 105 Resp: 234366

Ion Ratio Lower Upper

105 100

120 48.5 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017276.D (-2929) (-)

Ion 120.00 (119.70 to 120.70): VV017276.D (-2929) (-)

10.56

150000

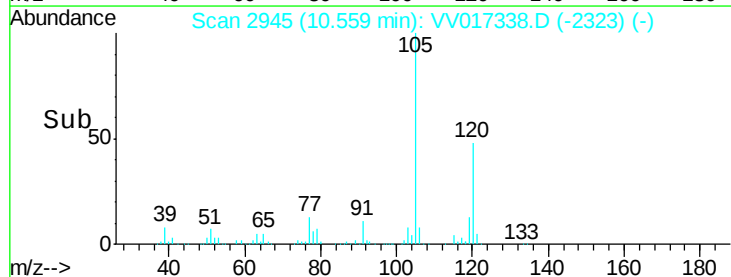
100000

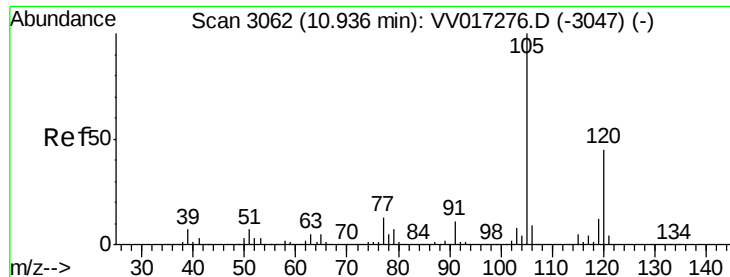
50000

0

10.50 10.55 10.60

Time-->

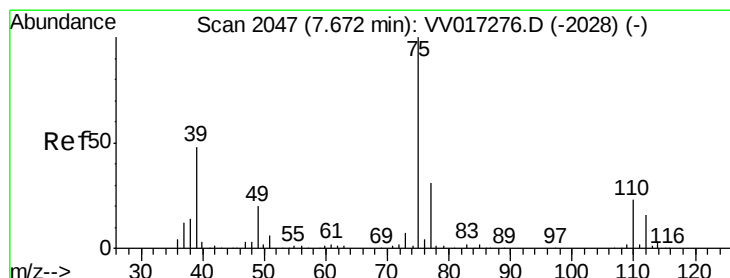
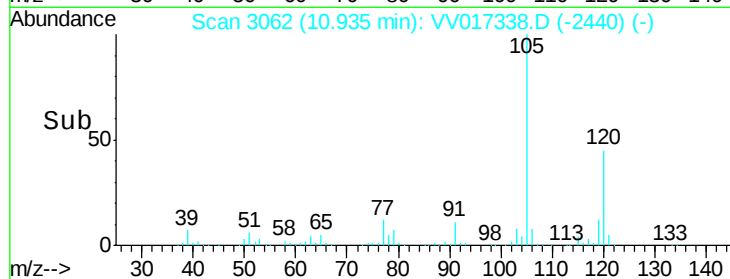
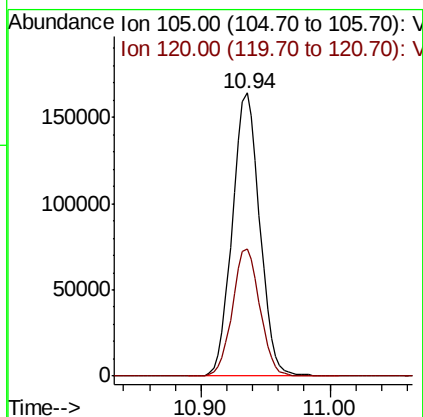
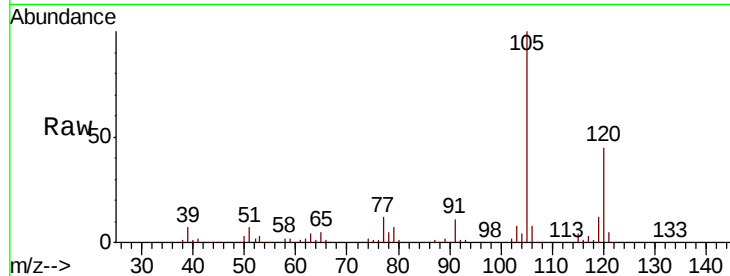




#44
 1,2,4-Trimethylbenzene
 Concen: 5.508 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

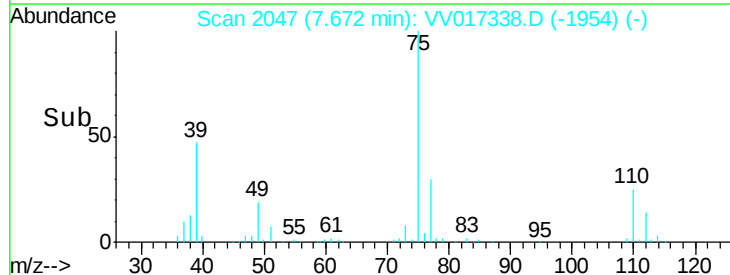
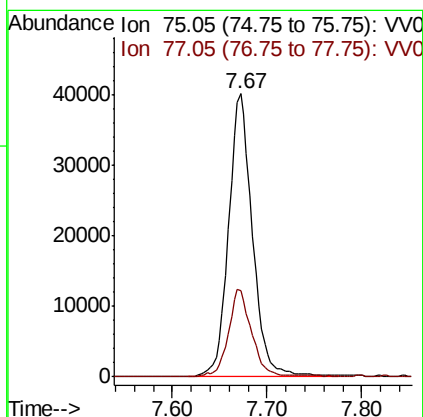
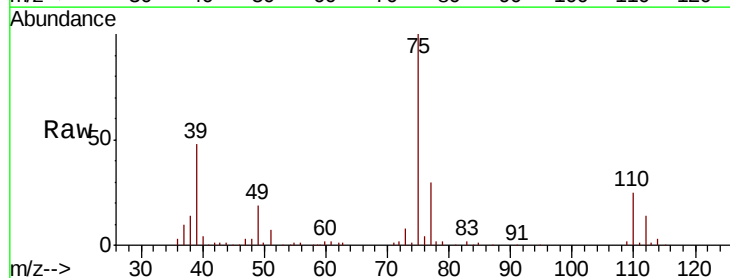
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

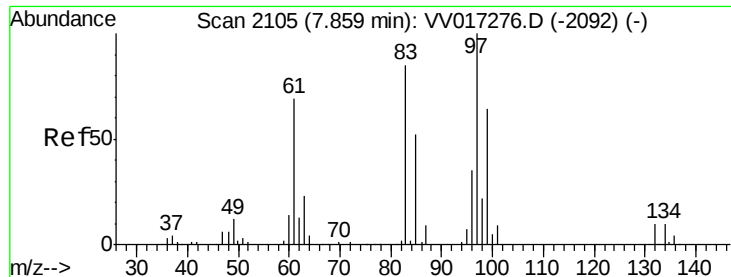
Tot Ion:105 Resp: 242577
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 5.347 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

Tgt Ion: 75 Resp: 70770
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.3 41.3

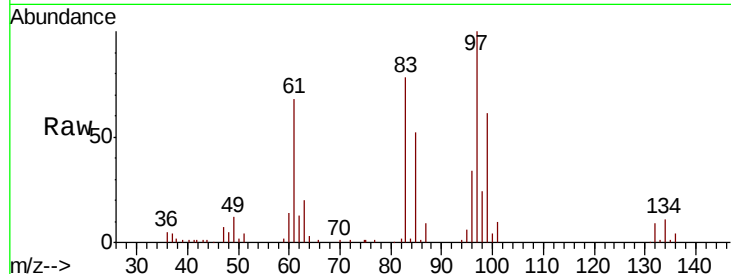




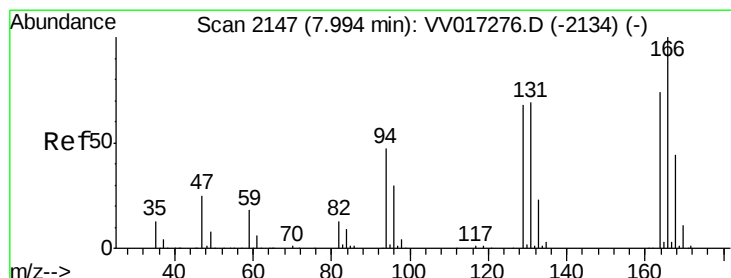
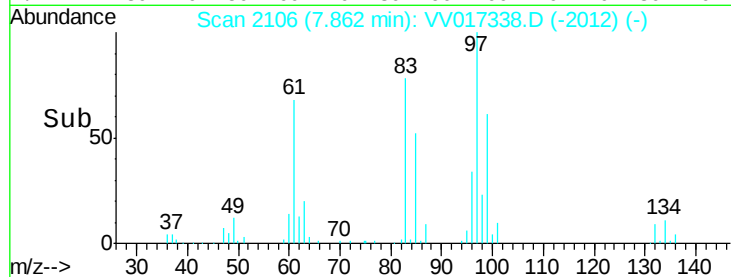
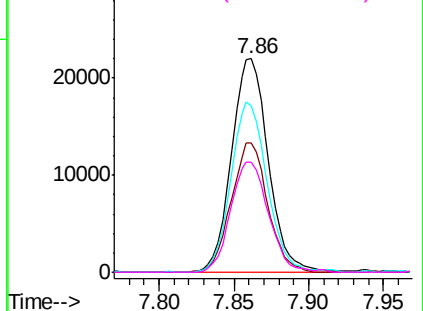
#47
 1,1,2-Trichloroethane
 Concen: 5.164 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tot Ion: 97 Resp: 37721
 Ion Ratio Lower Upper
 97 100
 99 60.6 43.6 81.0
 83 78.1 57.4 106.6
 85 51.6 38.8 72.0

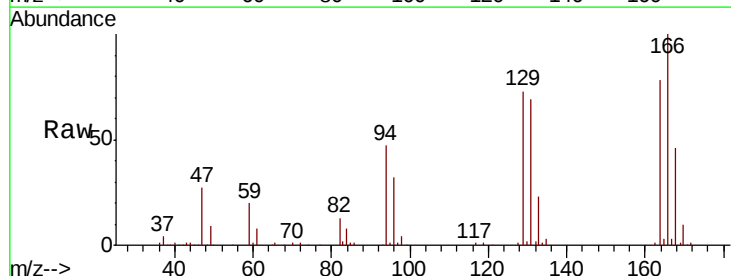


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

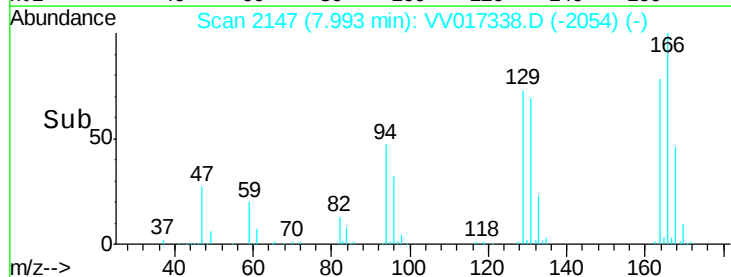
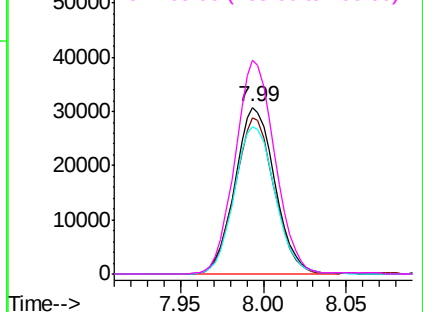


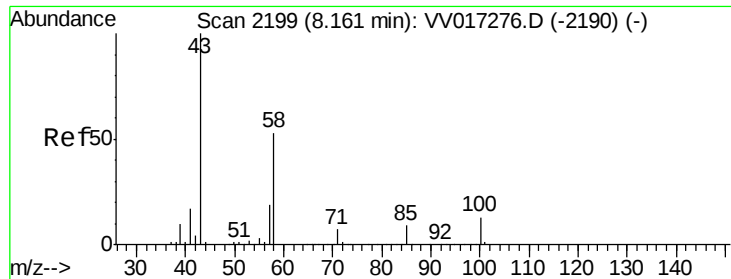
#49
 Tetrachloroethene
 Concen: 5.269 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

Tgt Ion: 164 Resp: 51663
 Ion Ratio Lower Upper
 164 100
 129 93.5 65.2 121.0
 131 88.7 64.1 119.1
 166 128.4 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

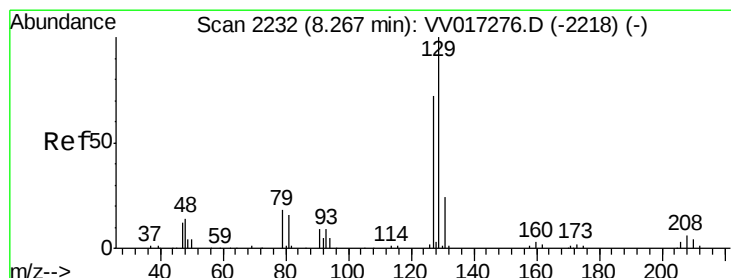
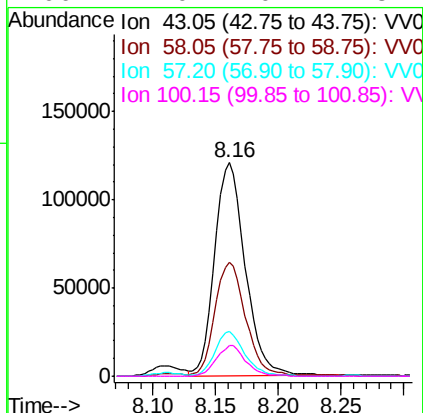
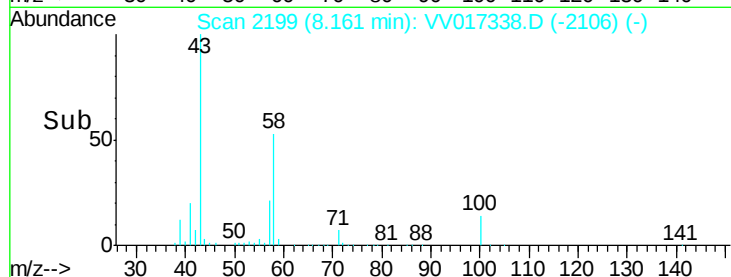
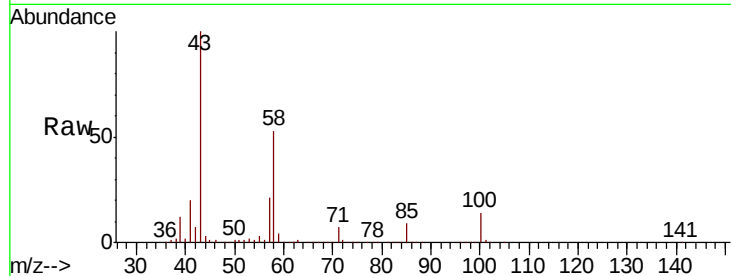




#50
2-Hexanone
Concen: 48.256 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

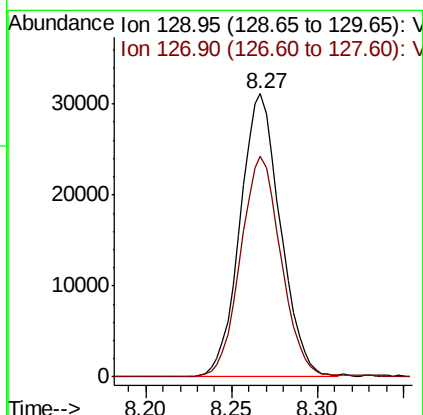
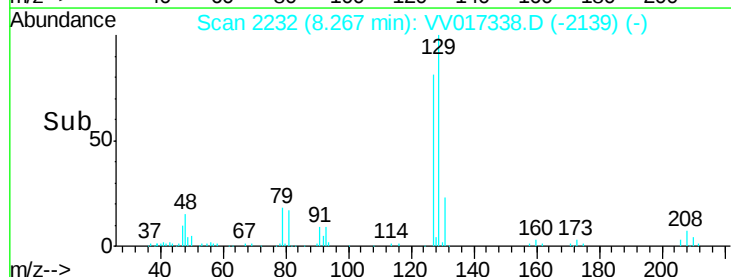
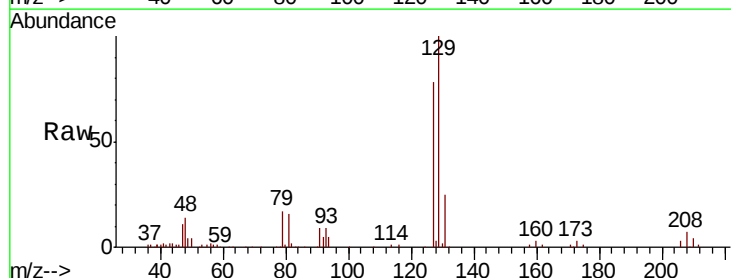
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

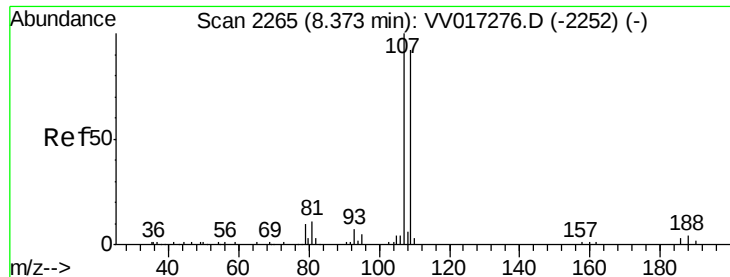
Tot Ion: 43 Resp: 204192
Ion Ratio Lower Upper
43 100
58 53.3 41.6 62.4
57 20.2 15.4 23.0
100 14.0 10.1 15.1



#51
Dibromochloromethane
Concen: 5.736 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

Tgt Ion: 129 Resp: 50790
Ion Ratio Lower Upper
129 100
127 77.8 54.1 100.5





#52

1,2-Dibromoethane

Concen: 4.953 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

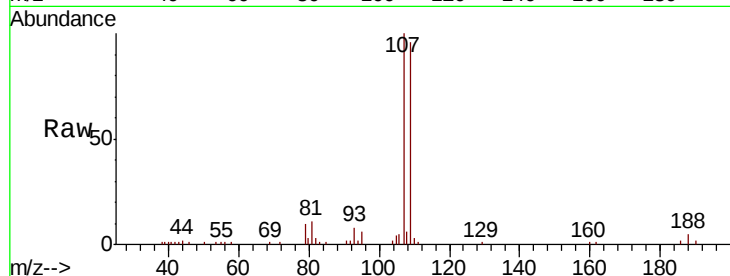
Tot Ion:107 Resp: 34311

Ion Ratio Lower Upper

107 100

109 96.5 69.4 128.8

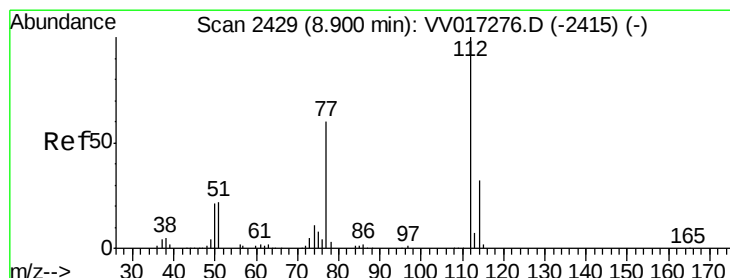
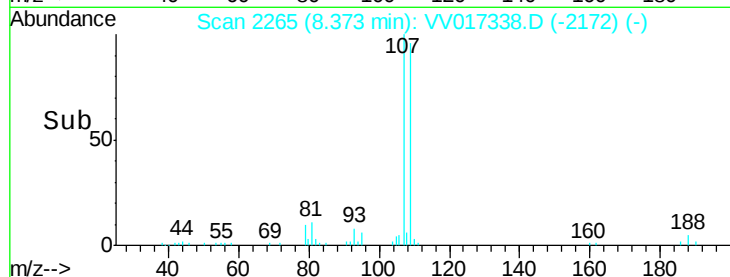
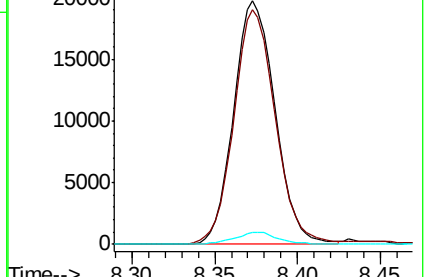
188 5.0 3.9 5.9



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: 5.207 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

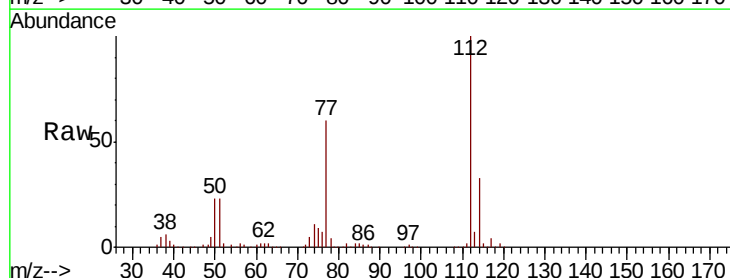
Tgt Ion:112 Resp: 156991

Ion Ratio Lower Upper

112 100

114 32.8 22.0 41.0

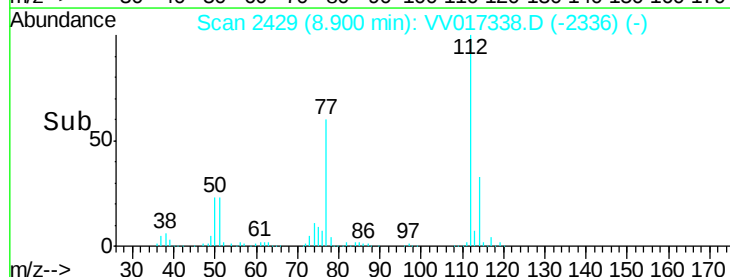
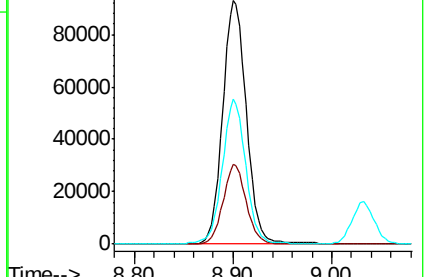
77 59.6 46.0 69.0

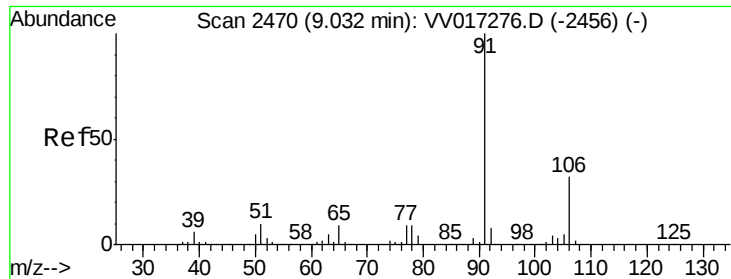


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

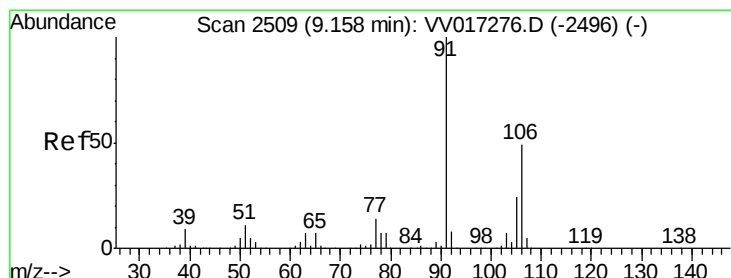
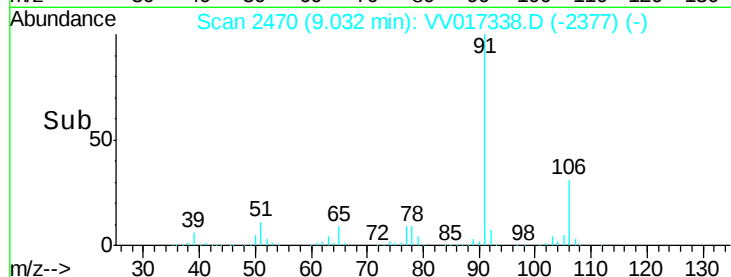
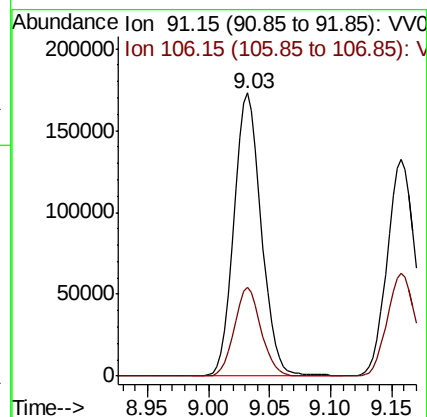
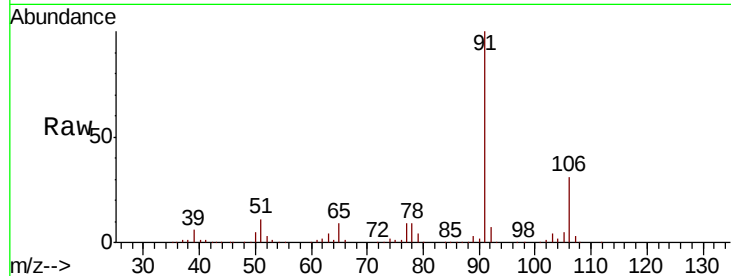




#54
Ethylbenzene
Concen: 5.250 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

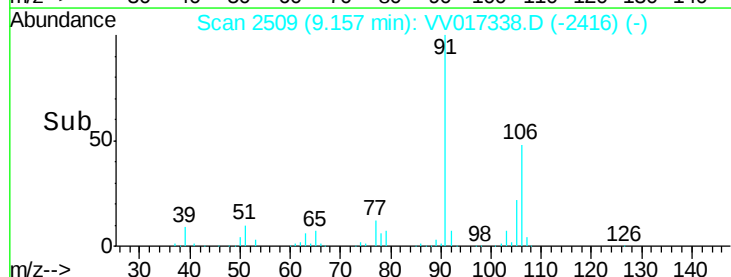
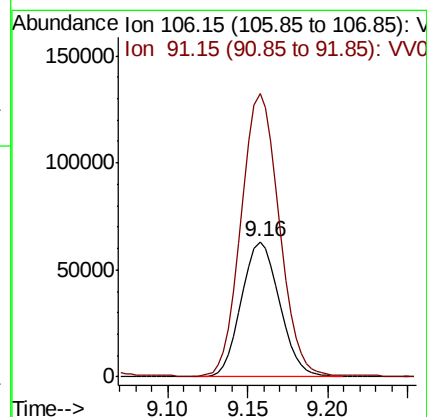
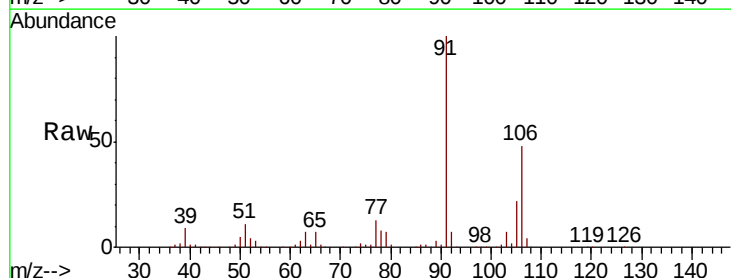
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

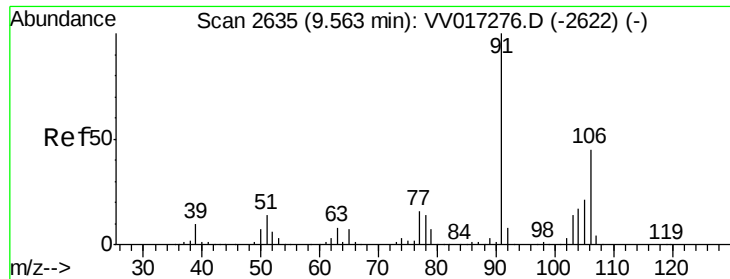
Tot Ion: 91 Resp: 271026
Ion Ratio Lower Upper
91 100
106 31.2 21.1 39.1



#55
m,p-xylene
Concen: 5.086 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

Tgt Ion: 106 Resp: 102984
Ion Ratio Lower Upper
106 100
91 209.8 142.7 264.9

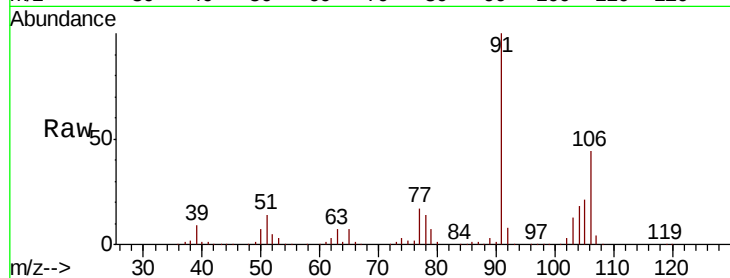




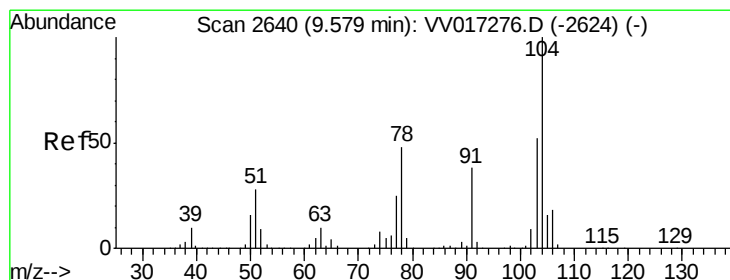
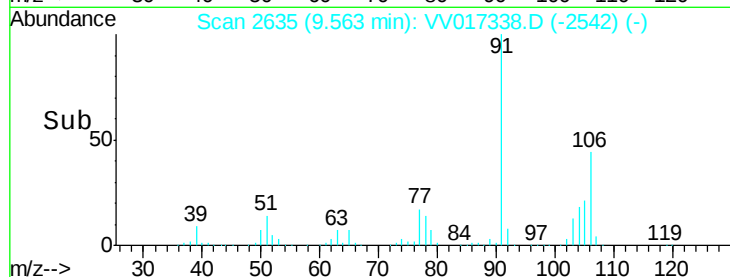
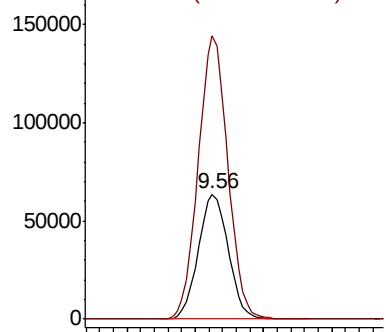
#56
o-xylene
Concen: 5.186 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Tot Ion:106 Resp: 97986
Ion Ratio Lower Upper
106 100
91 226.3 153.6 285.2

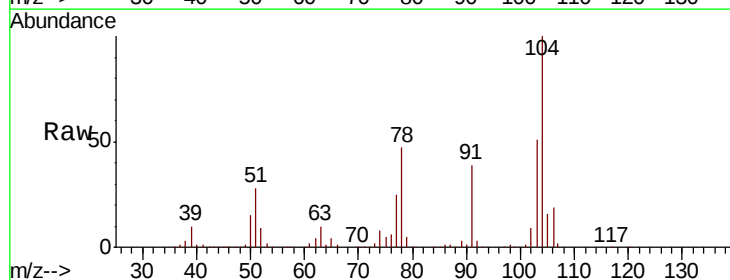


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

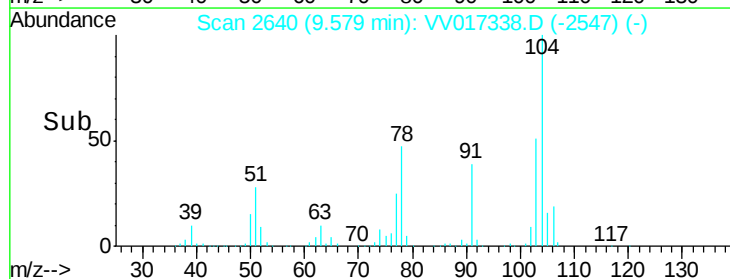
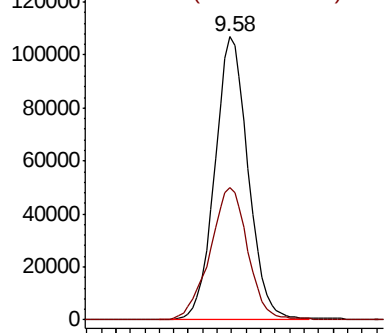


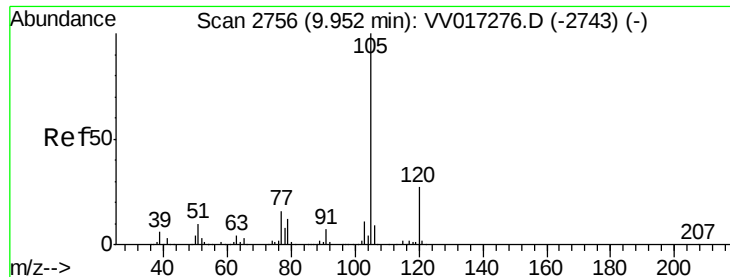
#57
Styrene
Concen: 5.460 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017338.D
Acq: 06 Jul 2020 09:26

Tgt Ion:104 Resp: 170949
Ion Ratio Lower Upper
104 100
78 46.7 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: 5.316 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

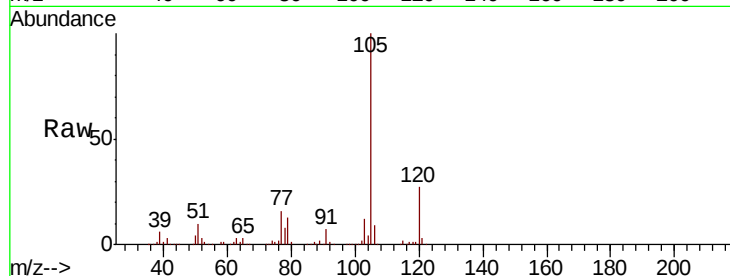
Tot Ion:105 Resp: 276420

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

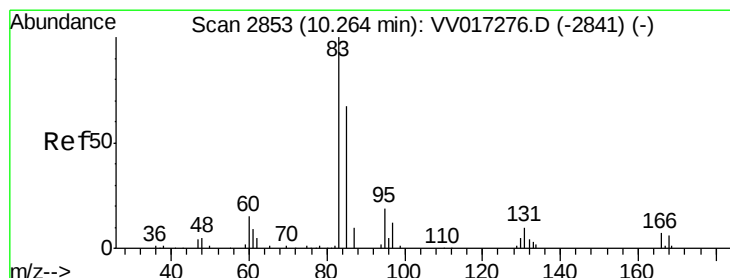
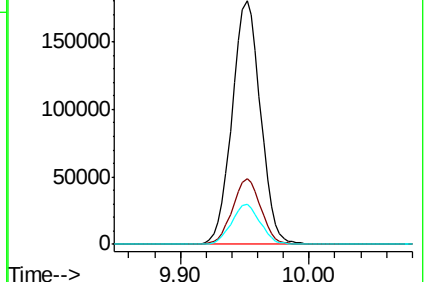
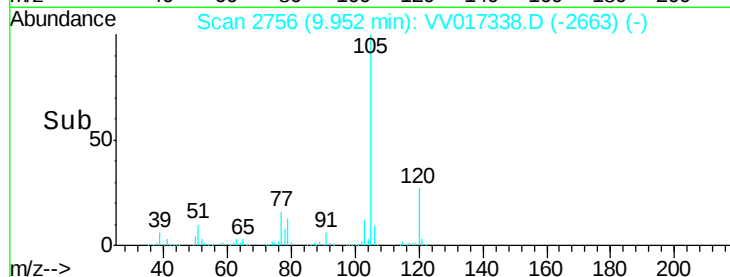
77 16.6 13.0 19.4



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: 5.412 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

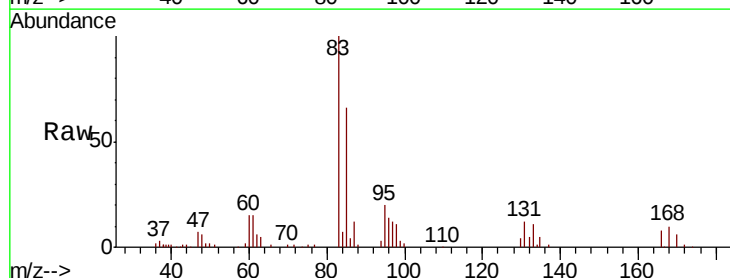
Tgt Ion: 83 Resp: 40889

Ion Ratio Lower Upper

83 100

85 66.3 42.9 79.7

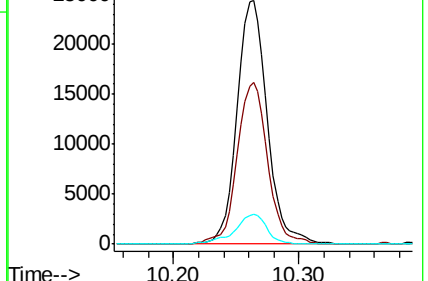
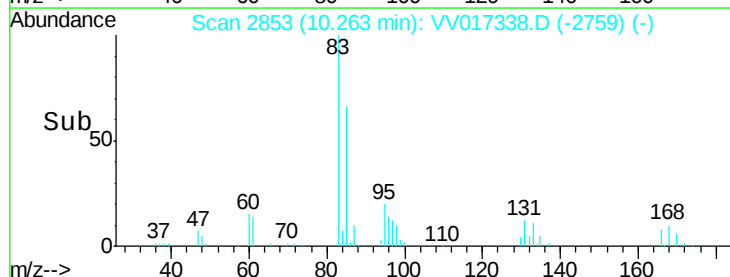
131 12.1 8.6 13.0

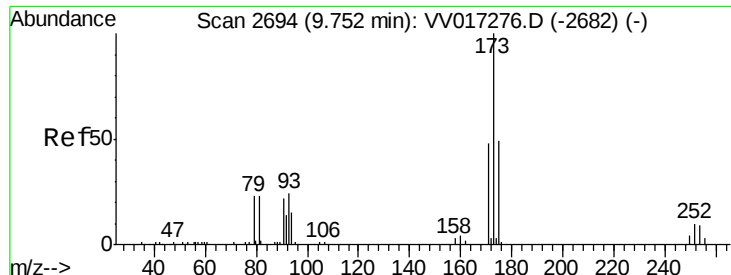


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 6.155 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

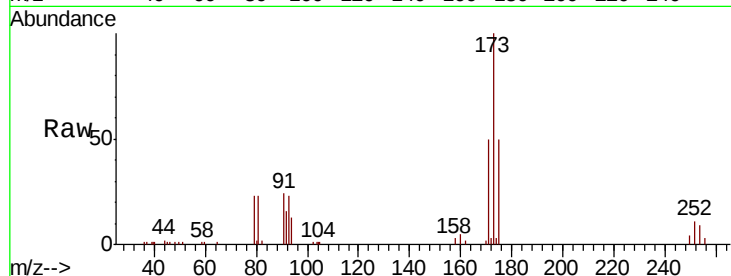
Tot Ion:173 Resp: 28908

Ion Ratio Lower Upper

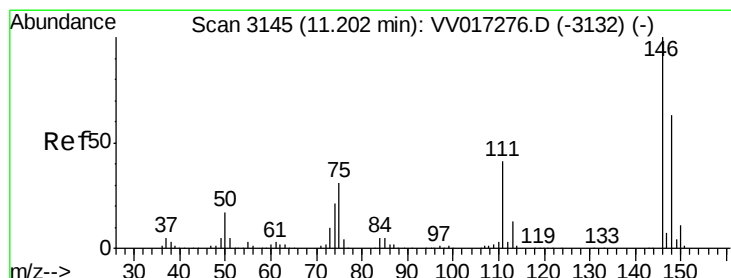
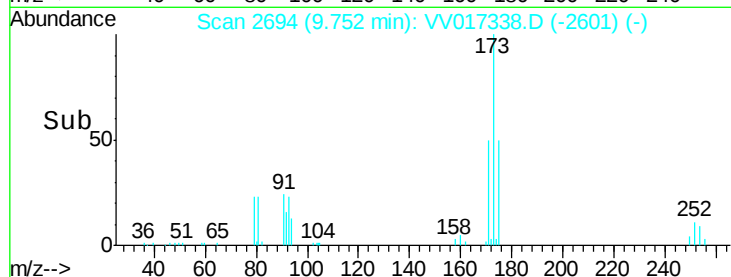
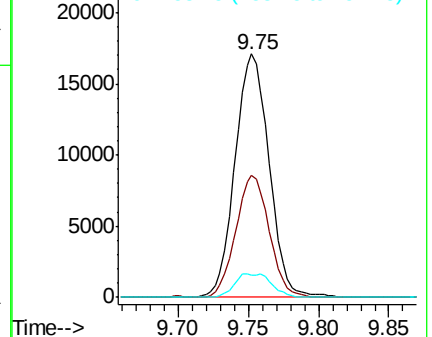
173 100

175 49.0 39.4 59.2

254 10.5 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: 5.217 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

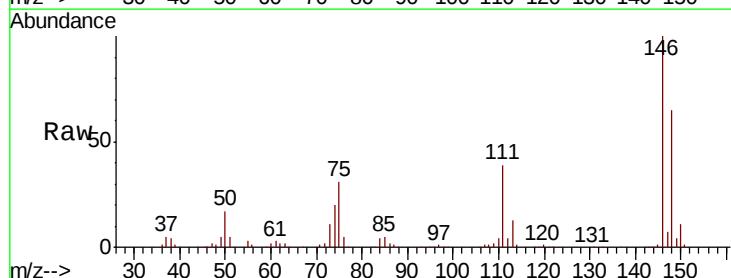
Tgt Ion:146 Resp: 137880

Ion Ratio Lower Upper

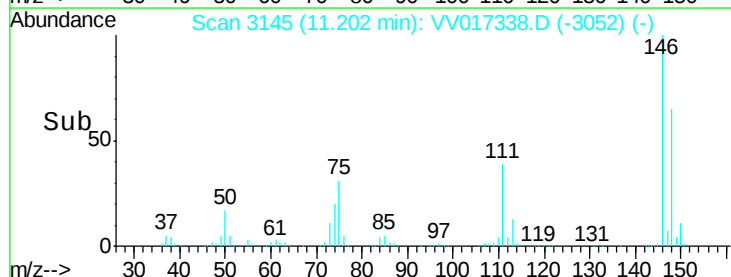
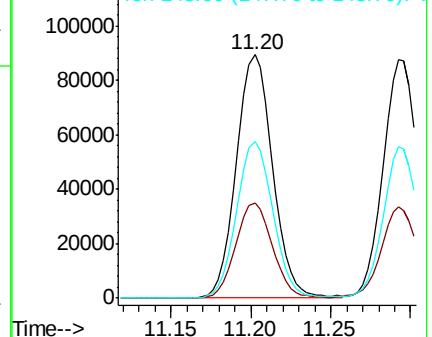
146 100

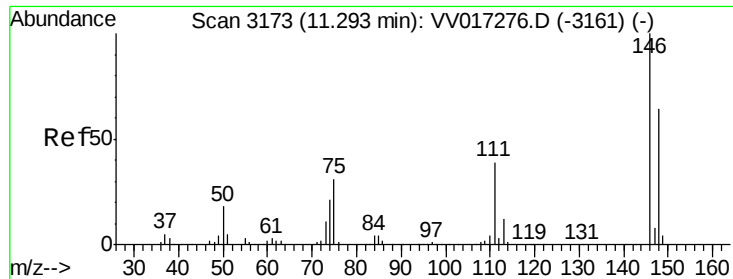
111 39.3 29.2 54.2

148 64.5 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: 5.097 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

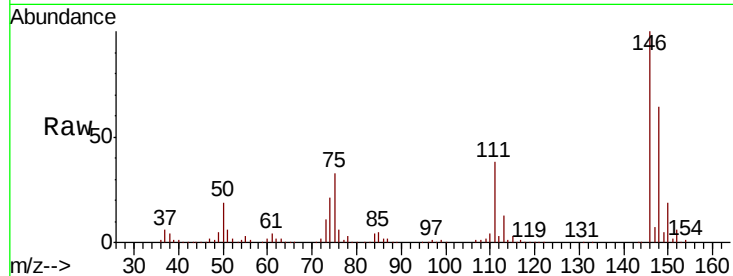
Tot Ion:146 Resp: 136935

Ion Ratio Lower Upper

146 100

111 38.4 27.4 50.8

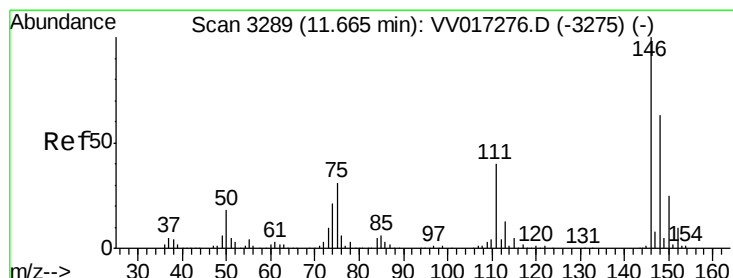
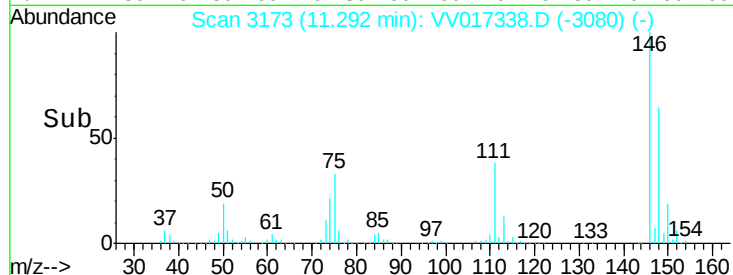
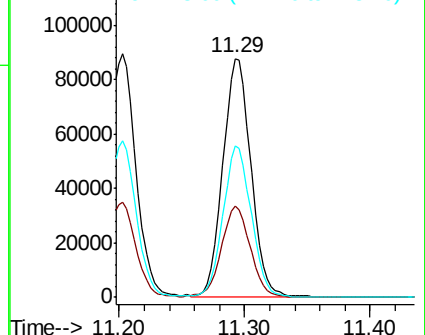
148 63.8 44.3 82.3



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: 5.091 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

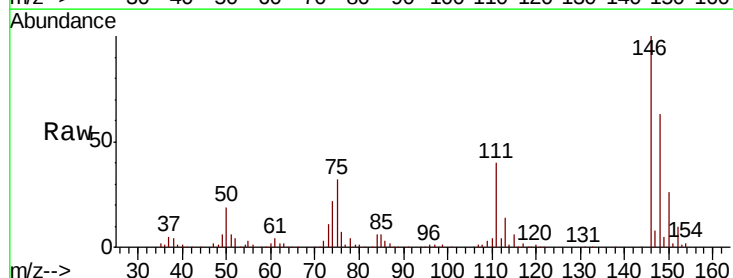
Tgt Ion:146 Resp: 122115

Ion Ratio Lower Upper

146 100

111 39.6 34.4 51.6

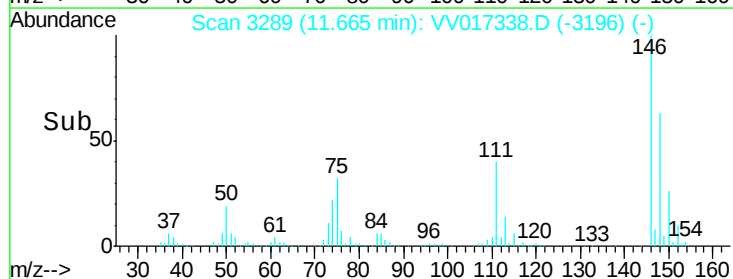
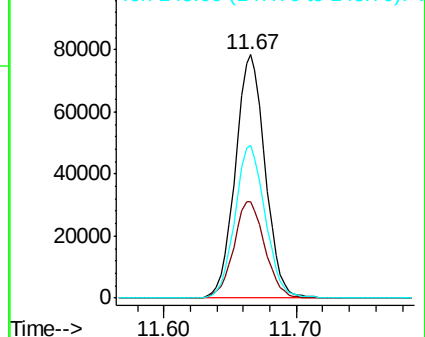
148 62.6 49.9 74.9

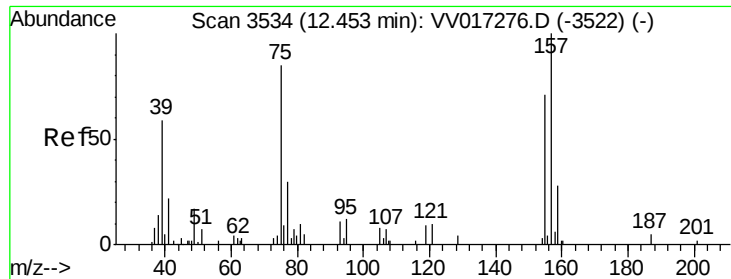


Abundance Ion 145.95 (145.65 to 146.65): V

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: 6.191 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

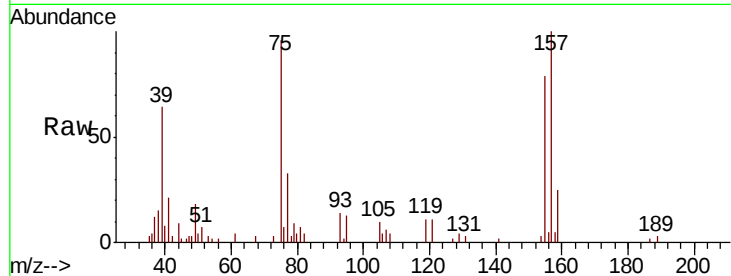
Tot Ion: 75 Resp: 8214

Ion Ratio Lower Upper

75 100

155 82.3 71.1 106.7

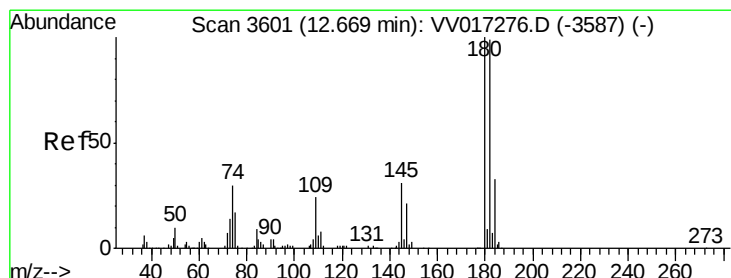
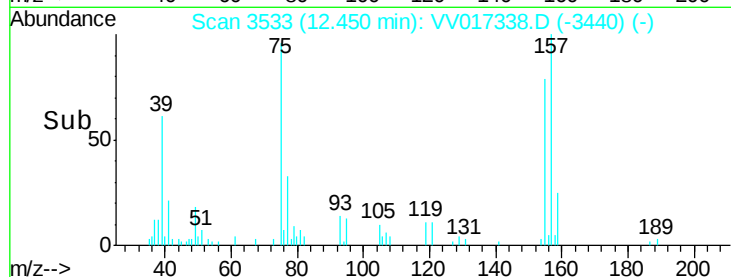
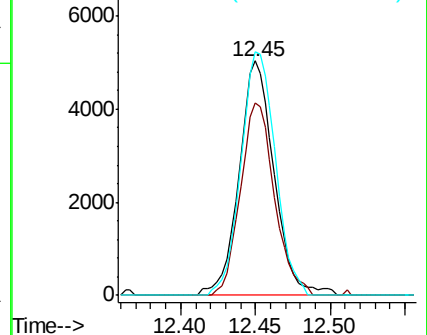
157 103.8 88.3 132.5



Abundance Ion 75.05 (74.75 to 75.75): VV017338.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV017338.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV017338.D (-3440) (-)



#68

1,3,5-Trichlorobenzene

Concen: 5.200 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV017338.D

Acq: 06 Jul 2020 09:26

Tgt Ion: 180 Resp: 110418

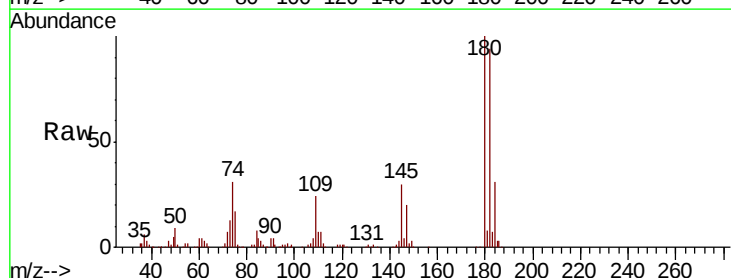
Ion Ratio Lower Upper

180 100

182 94.3 77.4 116.2

184 30.8 24.2 36.4

145 29.7 24.3 36.5

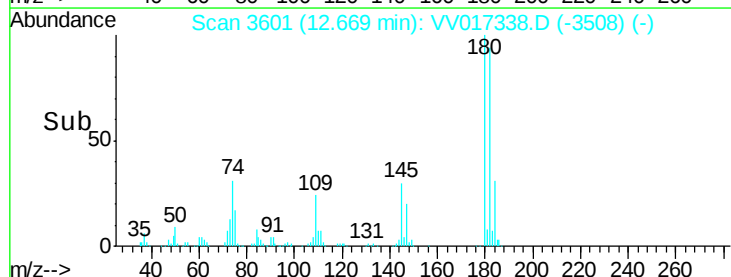
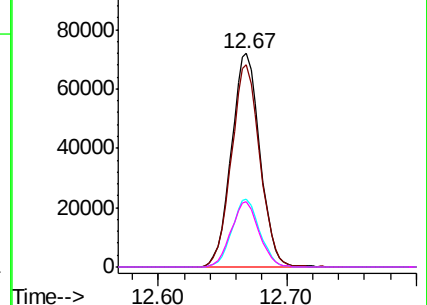


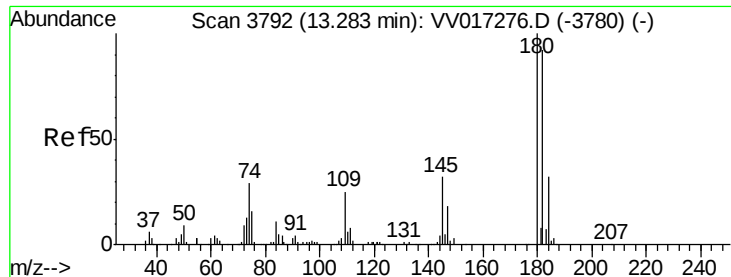
Abundance Ion 180.00 (179.70 to 180.70): VV017338.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV017338.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV017338.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV017338.D (-3508) (-)

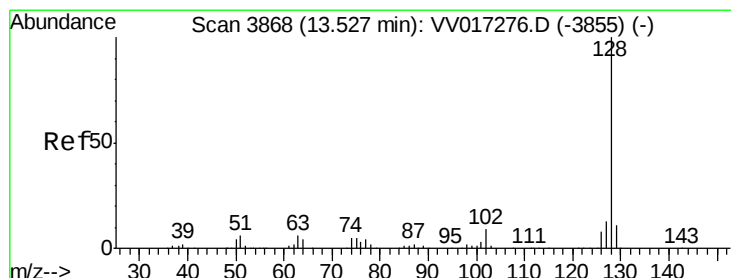
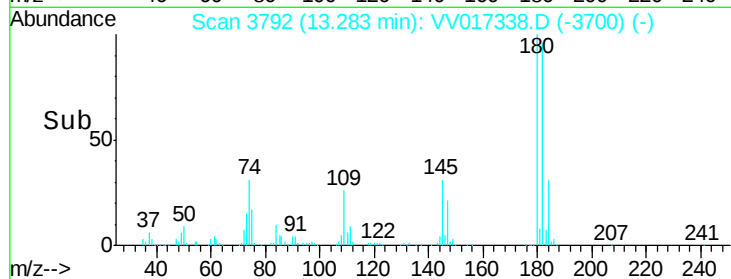
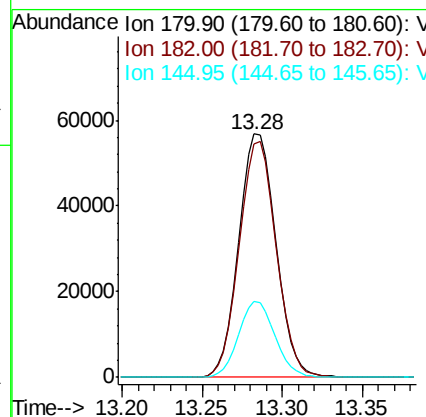
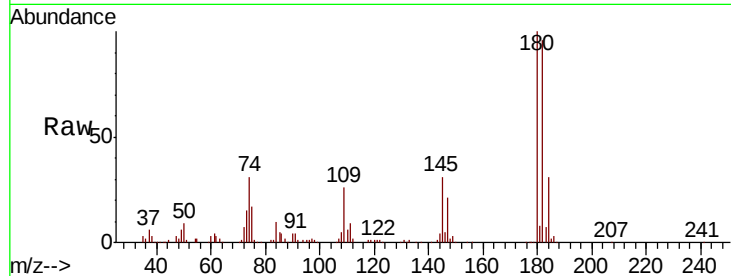




#69
 1,2,4-trichlorobenzene
 Concen: 5.131 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

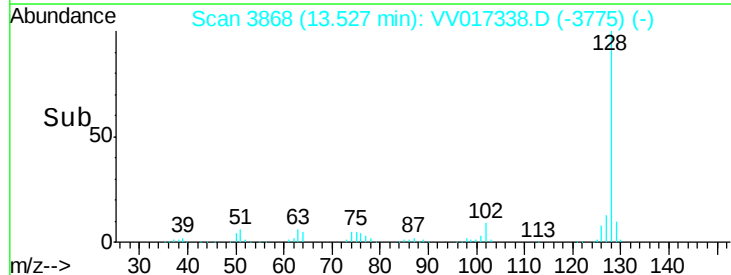
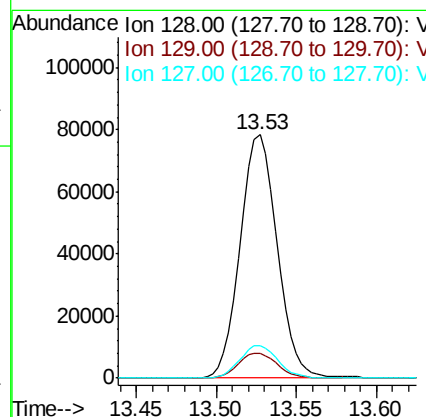
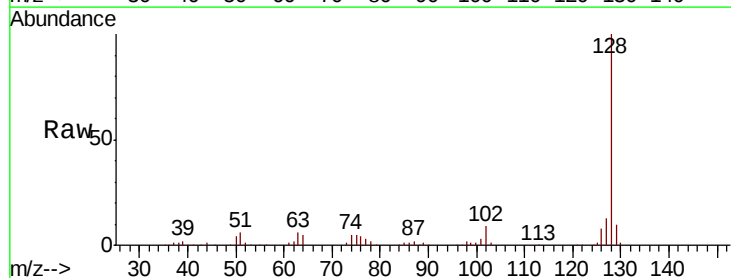
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

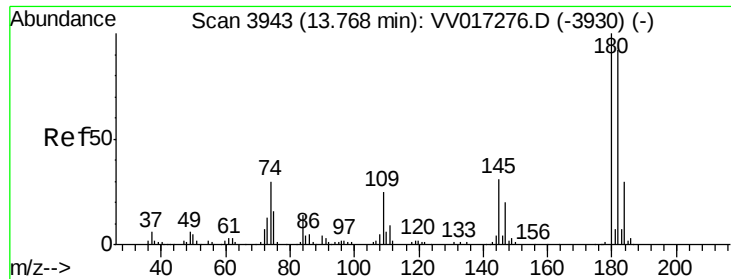
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.6	114.8
145	30.7	25.0	37.6



#70
 Naphthalene
 Concen: 5.002 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.7	10.5	15.7

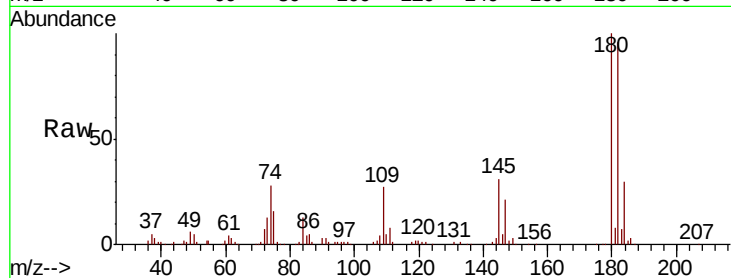




#71
 1,2,3-Trichlorobenzene
 Concen: 5.502 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017338.D
 Acq: 06 Jul 2020 09:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.4	116.0
145	31.4	25.9	38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

