

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092420\
 Data File : VV018439.D
 Acq On : 24 Sep 2020 19:45
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Quant Time: Sep 25 04:48:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 04:36:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	406112	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	389458	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	208416	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	142960	43.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.38%
7) Chloroethane-d5	1.58	69	114294	42.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.12	63	253406	41.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.48%
21) 2-Butanone-d5	3.92	46	172914	85.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.36%
24) Chloroform-d	4.38	84	239392	41.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.38%
26) 1,2-Dichloroethane-d4	5.06	65	150332	40.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.68%
32) Benzene-d6	5.08	84	489843	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.09	67	152259	42.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.96%
41) Toluene-d8	7.34	98	452600	44.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.08%
43) trans-1,3-Dichloropropene-	7.64	79	79293	44.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.10%
47) 2-Hexanone-d5	8.11	63	123016	91.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.68%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	195249	43.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	186971	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	116354	39.291	ug/L 99
3) Chloromethane	1.25	50	132922	41.107	ug/L 100
5) Vinyl chloride	1.32	62	140068	42.241	ug/L 99
6) Bromomethane	1.53	94	88860	43.844	ug/L 100
8) Chloroethane	1.60	64	88705	42.704	ug/L 100
9) Trichlorofluoromethane	1.77	101	189392	41.512	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	119267	43.521	ug/L 99
12) 1,1-Dichloroethene	2.13	96	114695	43.013	ug/L 94
13) Acetone	2.20	43	120072	74.021	ug/L 99
14) Carbon disulfide	2.31	76	314355	38.527	ug/L 99
15) Methyl Acetate	2.45	43	129066	44.274	ug/L 98
16) Methylene chloride	2.52	84	129620	43.344	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	120149	43.722	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	392044	46.119	ug/L 99
19) 1,1-Dichloroethane	3.21	63	227596	43.804	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	132877	45.233	ug/L 97
22) 2-Butanone	4.00	43	173917	90.542	ug/L 99

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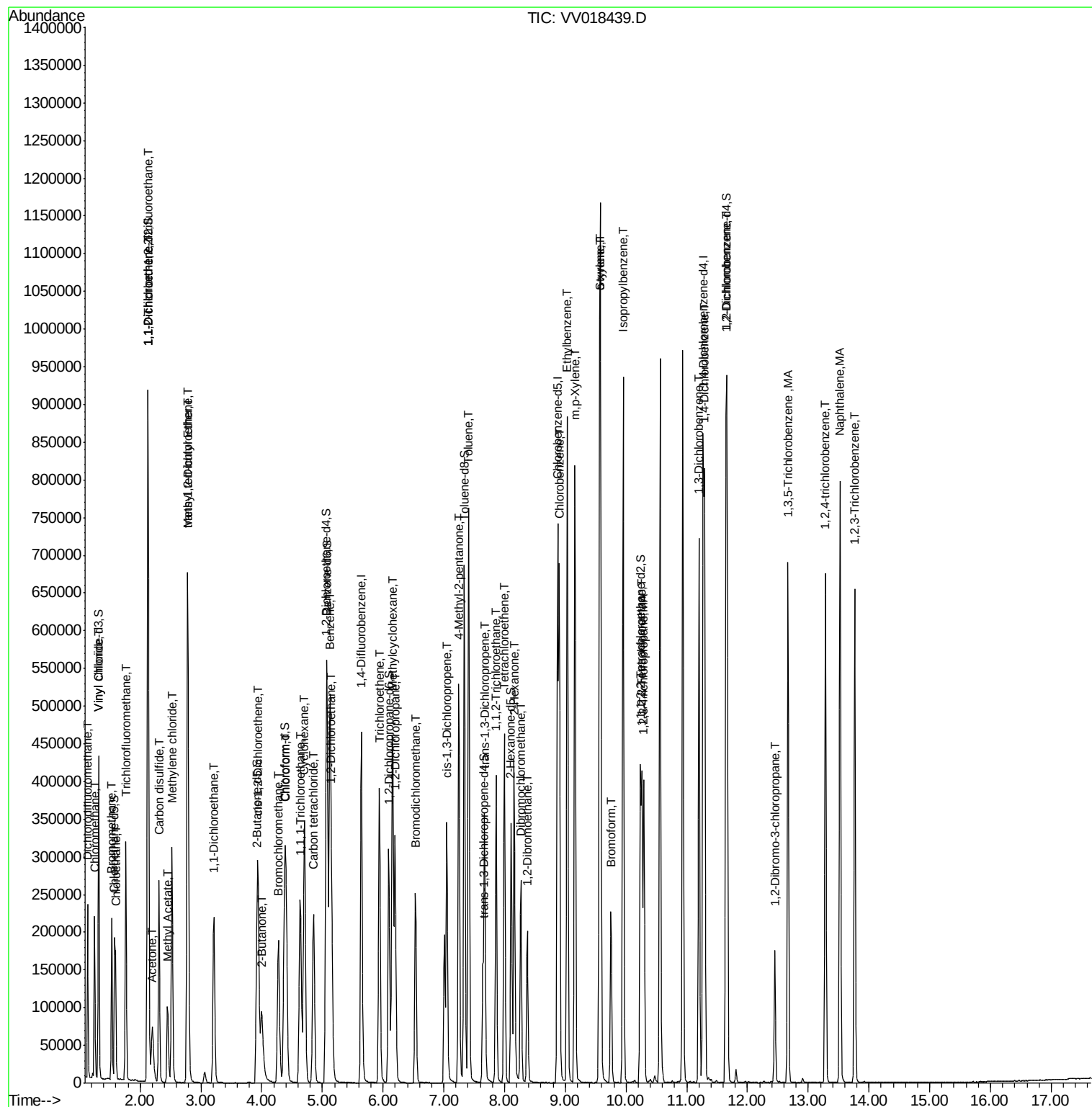
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	68781	44.751	ug/L	98
25) Chloroform	4.40	83	228919	43.344	ug/L	99
27) 1,2-Dichloroethane	5.15	62	173966	42.548	ug/L	98
29) Cyclohexane	4.70	56	200689	44.625	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	199398	44.117	ug/L	100
31) Carbon tetrachloride	4.86	117	170963	43.017	ug/L	98
33) Benzene	5.13	78	505795	45.424	ug/L	100
34) Trichloroethene	5.94	95	137289	45.260	ug/L	99
35) Methylcyclohexane	6.15	83	198426	43.446	ug/L	98
37) 1,2-Dichloropropane	6.20	63	133862	45.367	ug/L	99
38) Bromodichloromethane	6.53	83	170441	44.388	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	212919	46.834	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	344147	96.140	ug/L	99
42) Toluene	7.41	91	547512	46.463	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	205208	46.359	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	126549	46.272	ug/L	99
46) Tetrachloroethene	8.00	164	107044	45.008	ug/L	99
48) 2-Hexanone	8.16	43	262241	92.924	ug/L	97
49) Dibromochloromethane	8.27	129	137689	44.852	ug/L	100
50) 1,2-Dibromoethane	8.37	107	133273	46.302	ug/L	100
51) Chlorobenzene	8.90	112	353047	46.133	ug/L	100
52) Ethylbenzene	9.03	91	605481	47.064	ug/L	99
53) m,p-Xylene	9.16	106	230673	48.037	ug/L	95
54) o-xylene	9.56	106	222846	48.171	ug/L	99
55) Styrene	9.58	104	389040	48.383	ug/L	99
56) Isopropylbenzene	9.95	105	602975	48.362	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	191623	47.366	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	161619	46.569	ug/L	100
61) Bromoform	9.75	173	102190	45.641	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	292665	47.224	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	300988	47.250	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	291935	46.604	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	41631	47.096	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	220174	45.065	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	206973	47.572	ug/L	99
69) Naphthalene	13.52	128	611267	55.525	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	206071	48.089	ug/L	100

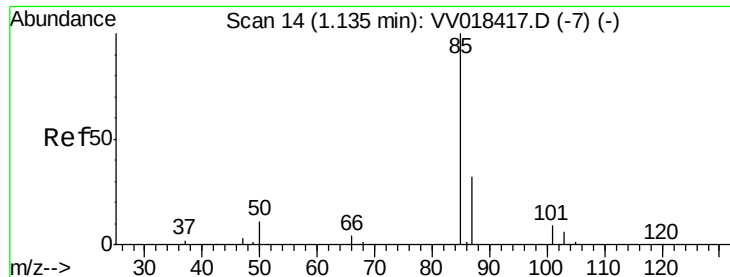
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 39.291 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampled :

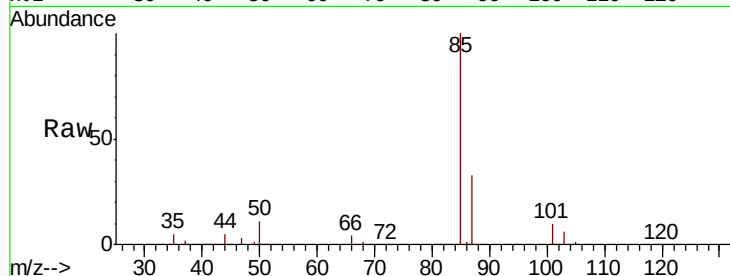
VSTD05086

Tot Ion: 85 Resp: 116354

Ion Ratio Lower Upper

85 100

87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018417.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018417.D (-7) (-)

1.14

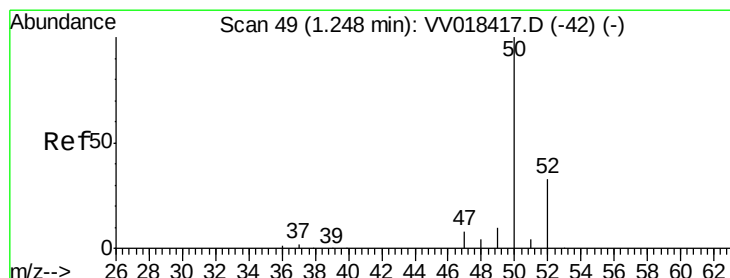
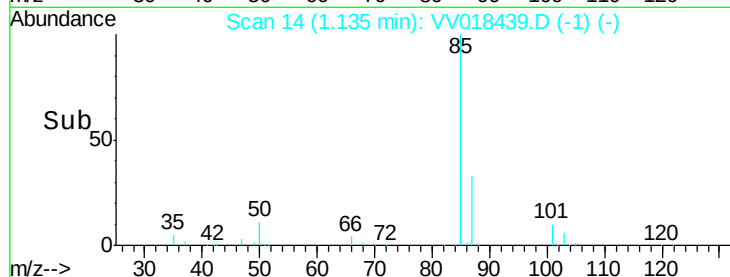
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 41.107 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018439.D

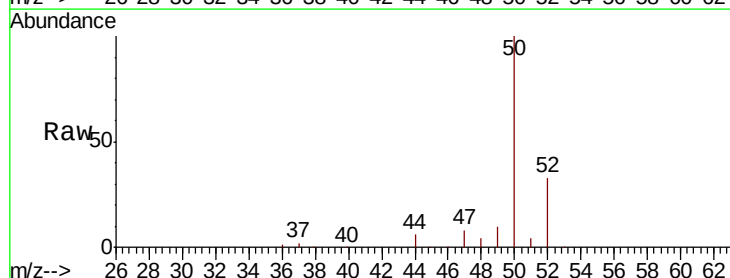
Acq: 24 Sep 2020 19:45

Tgt Ion: 50 Resp: 132922

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018417.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018417.D (-42) (-)

1.25

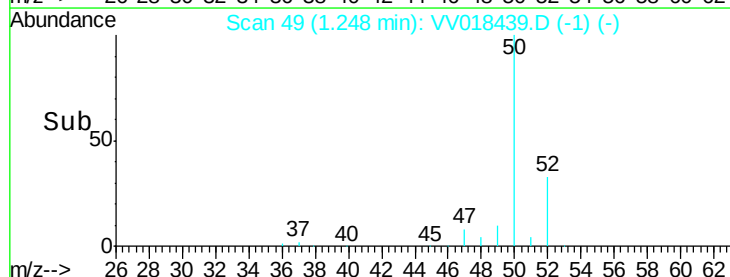
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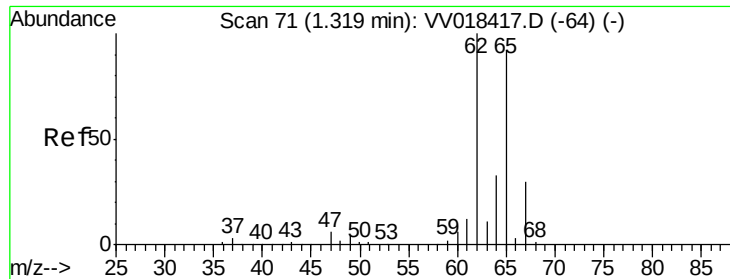
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 42.241 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

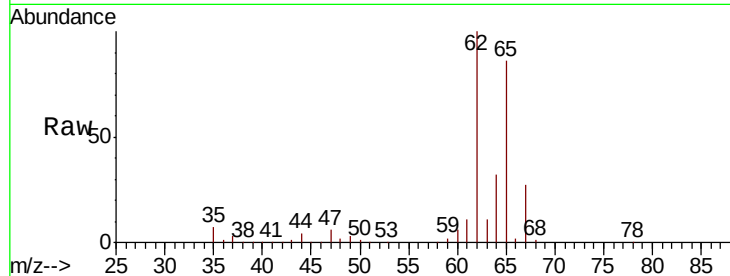
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tot Ion: 62 Resp: 140068

Ion Ratio Lower Upper

62 100

64 32.3 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

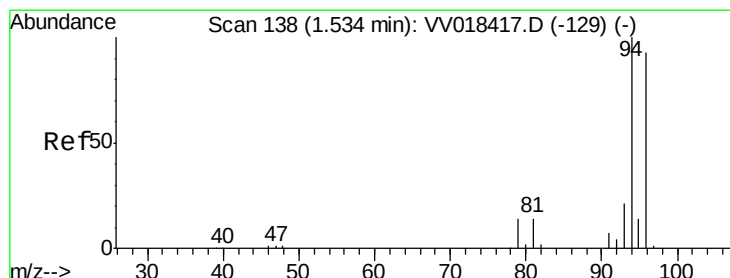
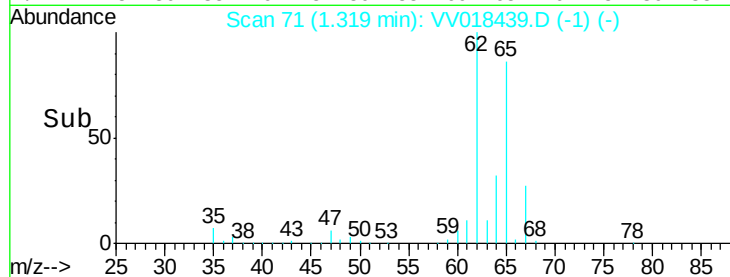
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 43.844 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018439.D

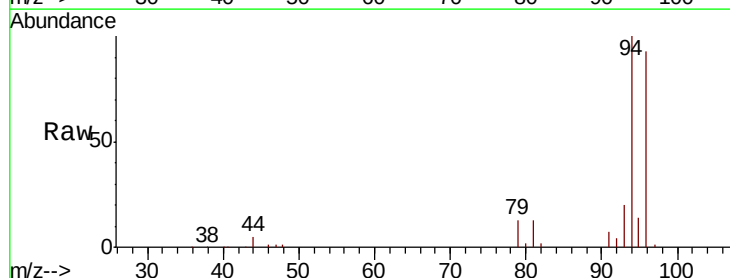
Acq: 24 Sep 2020 19:45

Tgt Ion: 94 Resp: 88860

Ion Ratio Lower Upper

94 100

96 93.4 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

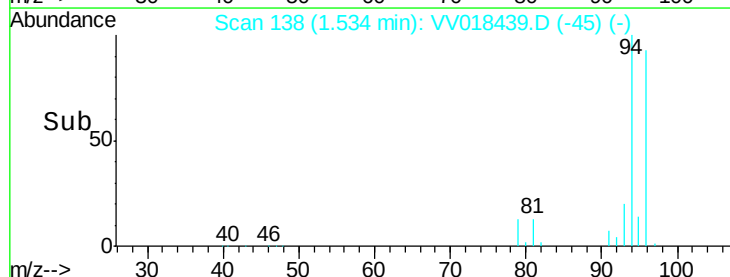
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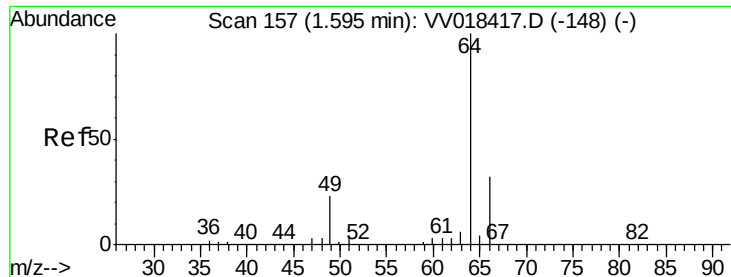
40000

20000

0

Time-->





#8

Chloroethane

Concen: 42.704 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

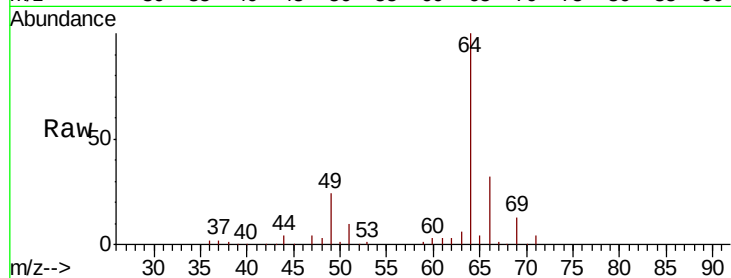
VSTD05086

Tot Ion: 64 Resp: 88705

Ion Ratio Lower Upper

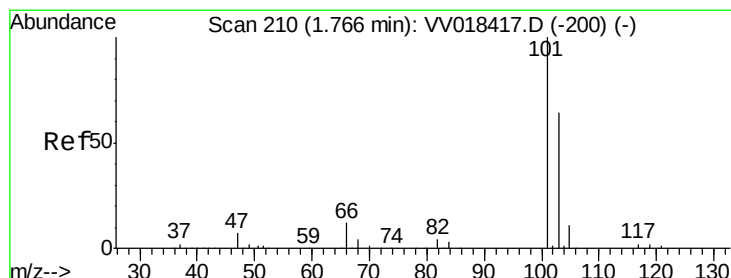
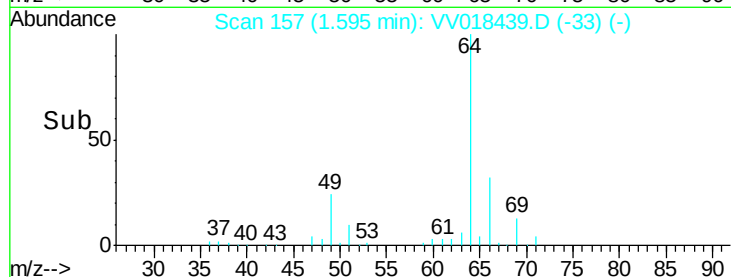
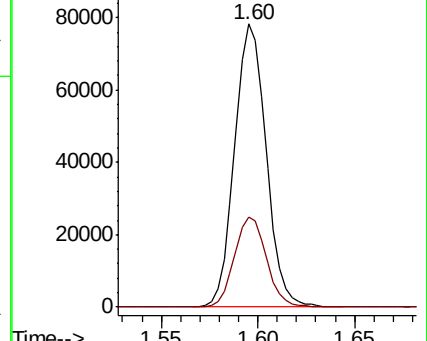
64 100

66 32.1 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#9

Trichlorofluoromethane

Concen: 41.512 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018439.D

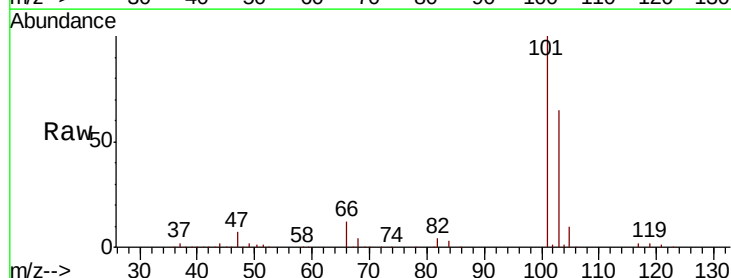
Acq: 24 Sep 2020 19:45

Tgt Ion: 101 Resp: 189392

Ion Ratio Lower Upper

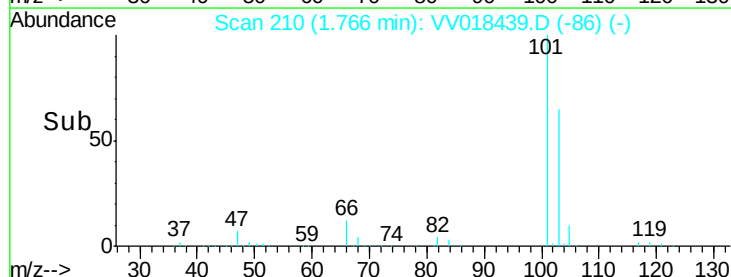
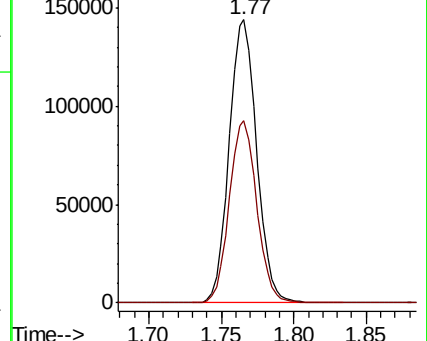
101 100

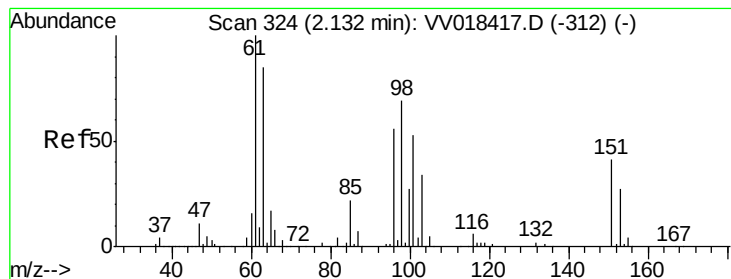
103 64.6 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 43.521 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

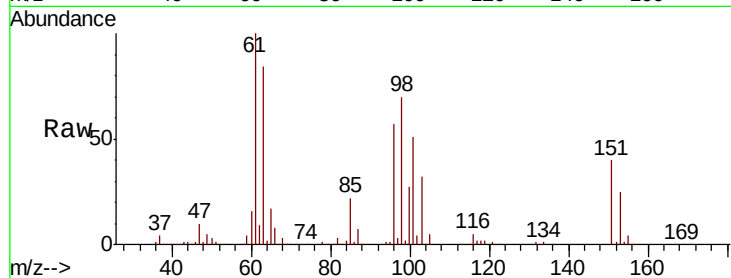
Tot Ion:101 Resp: 119267

Ion Ratio Lower Upper

101 100

85 41.6 33.5 50.3

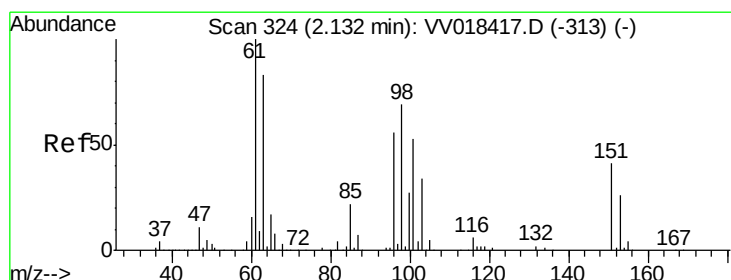
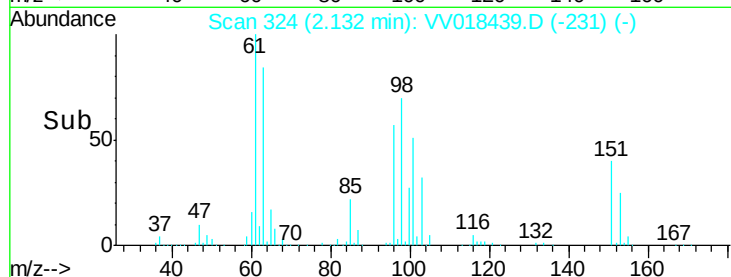
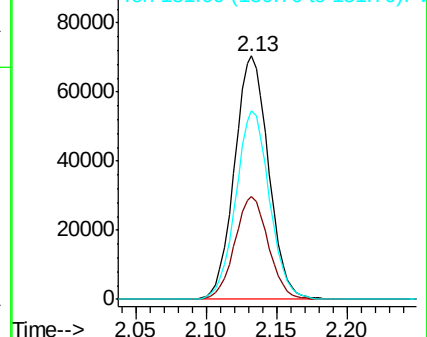
151 76.5 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 43.013 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

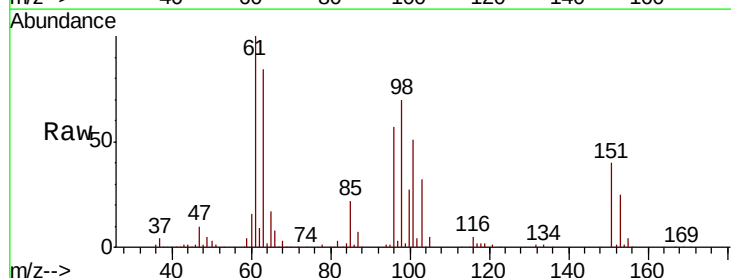
Tgt Ion: 96 Resp: 114695

Ion Ratio Lower Upper

96 100

61 175.0 122.9 228.3

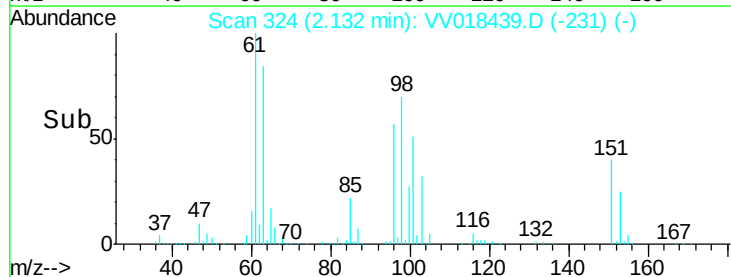
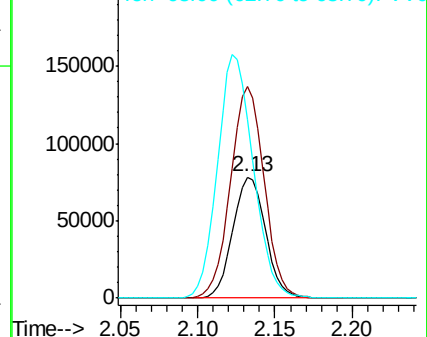
63 147.6 91.9 170.7

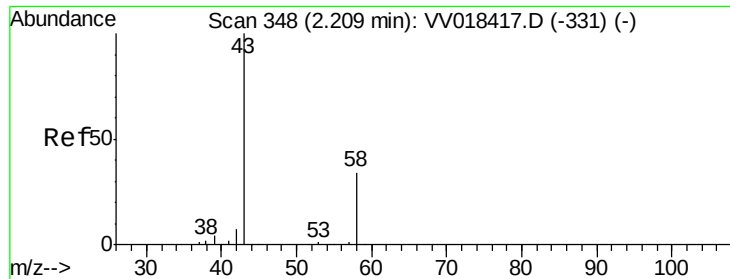


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 74.021 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.01 min

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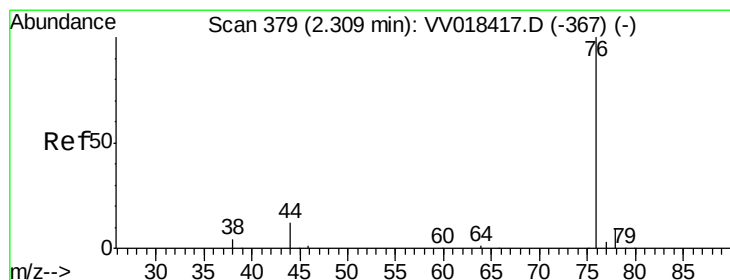
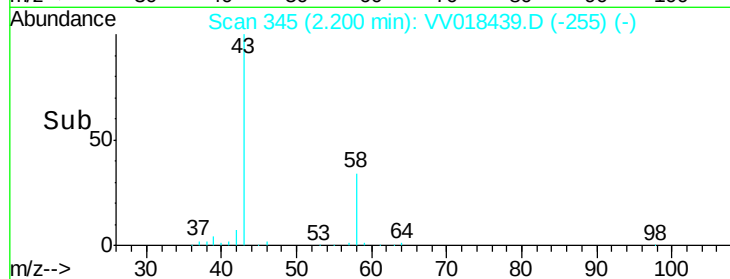
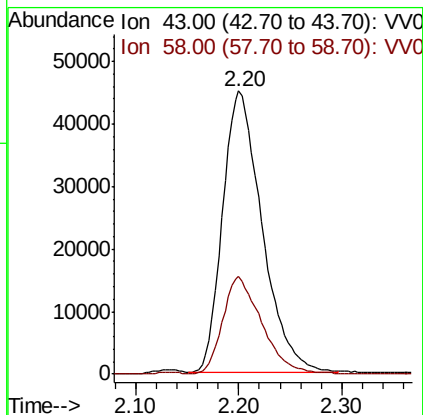
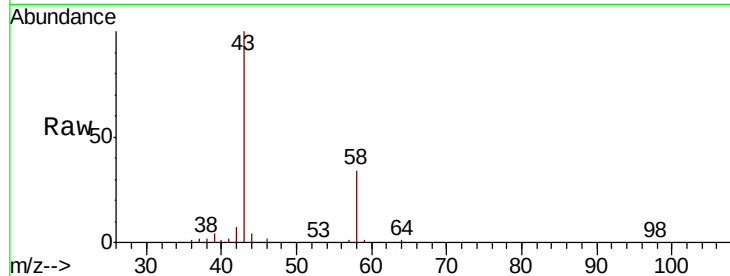
VSTD05086

Tot Ion: 43 Resp: 120072

Ion Ratio Lower Upper

43 100

58 34.5 0.0 67.4



#14

Carbon disulfide

Concen: 38.527 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018439.D

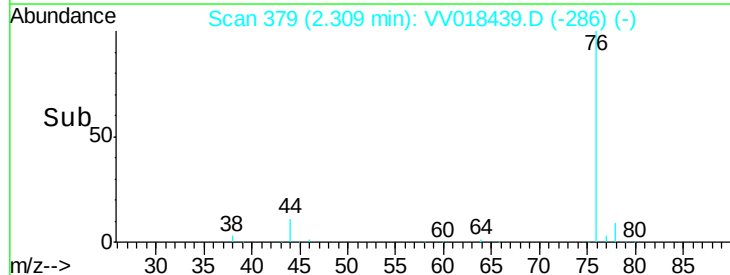
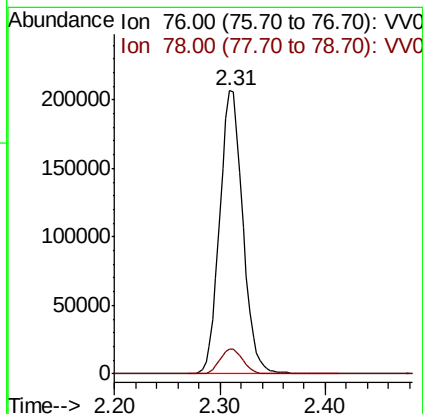
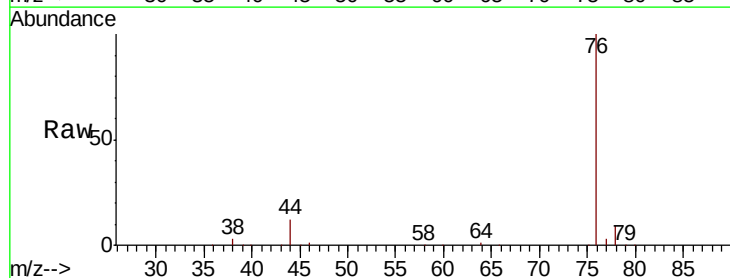
Acq: 24 Sep 2020 19:45

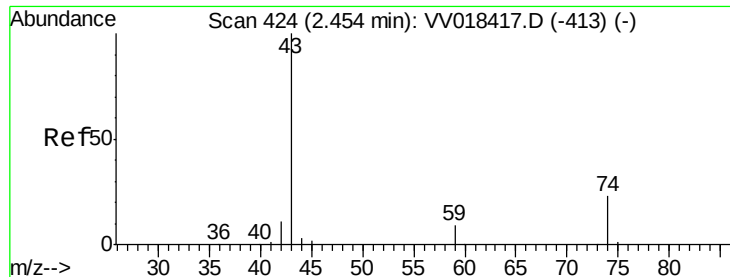
Tgt Ion: 76 Resp: 314355

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

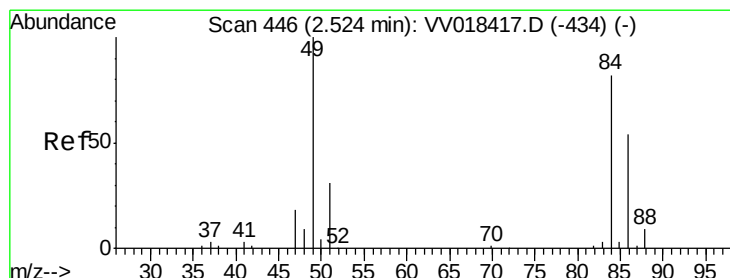
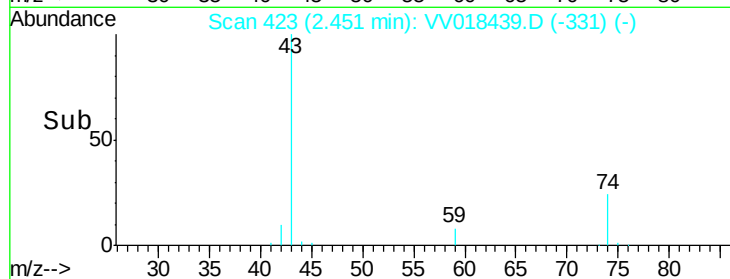
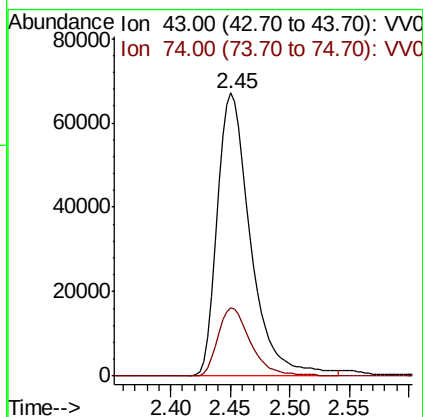
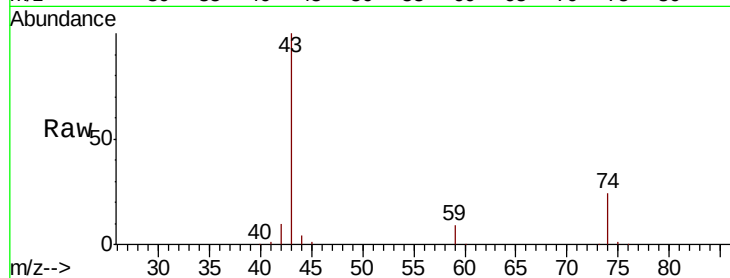




#15
Methvl Acetate
Concen: 44.274 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV018439.D
Acq: 24 Sep 2020 19:45

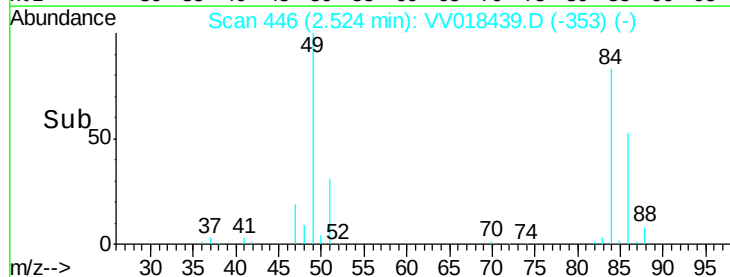
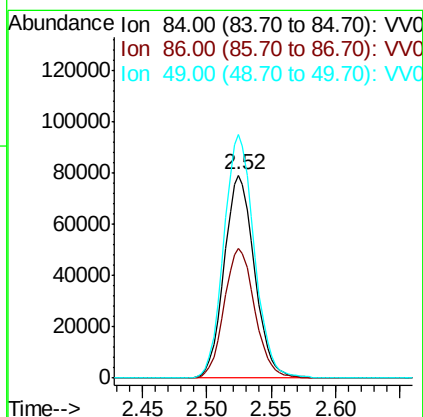
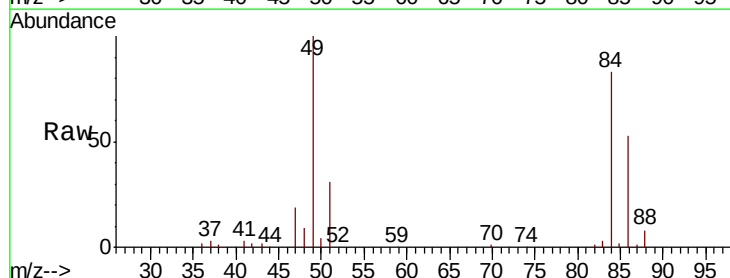
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

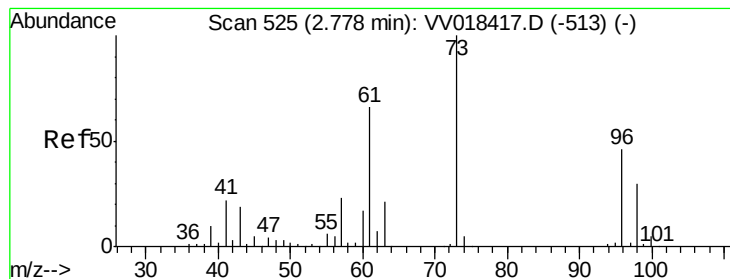
Tot Ion: 43 Resp: 129066
Ion Ratio Lower Upper
43 100
74 24.2 18.4 27.6



#16
Methylene chloride
Concen: 43.344 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018439.D
Acq: 24 Sep 2020 19:45

Tgt Ion: 84 Resp: 129620
Ion Ratio Lower Upper
84 100
86 64.2 44.4 82.4
49 120.1 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 43.722 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

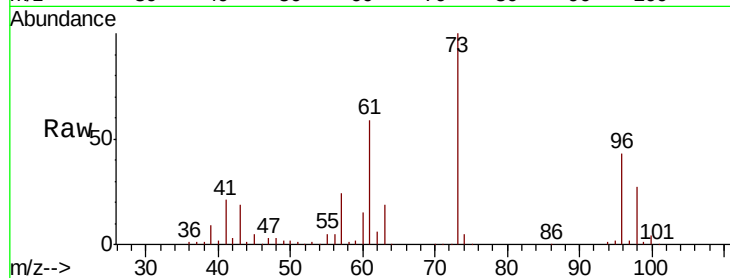
Tot Ion: 96 Resp: 120149

Ion Ratio Lower Upper

96 100

61 139.6 100.7 186.9

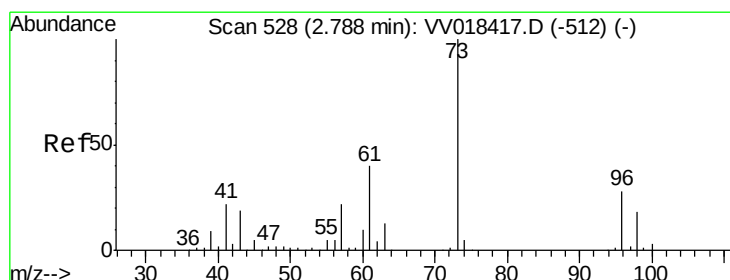
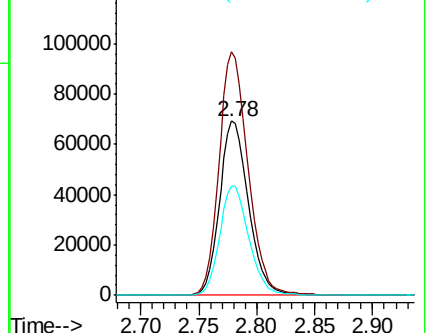
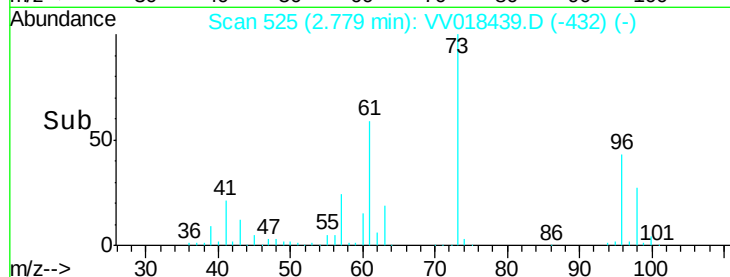
98 62.8 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 46.119 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

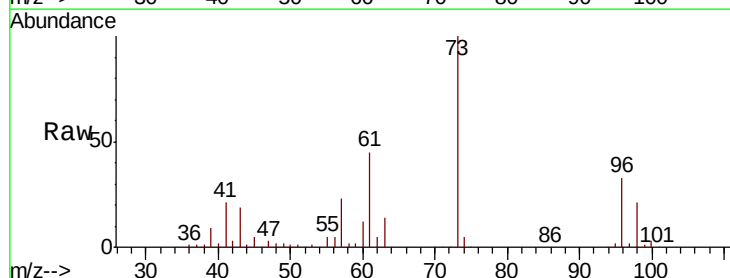
Tgt Ion: 73 Resp: 392044

Ion Ratio Lower Upper

73 100

43 18.8 15.4 23.0

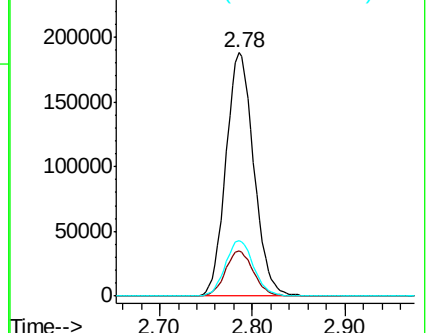
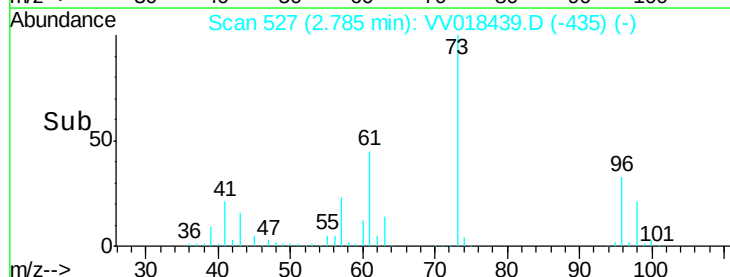
57 23.1 18.0 27.0

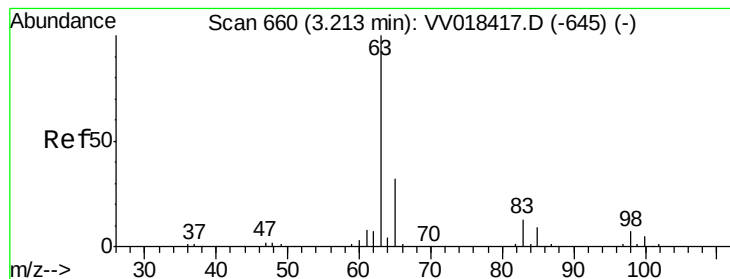


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 43.804 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampled :

VSTD05086

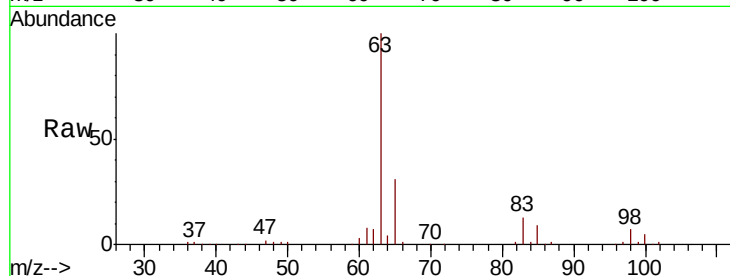
Tot Ion: 63 Resp: 227596

Ion Ratio Lower Upper

63 100

65 31.4 22.5 41.7

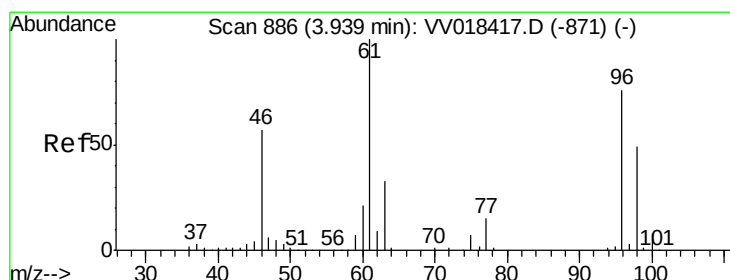
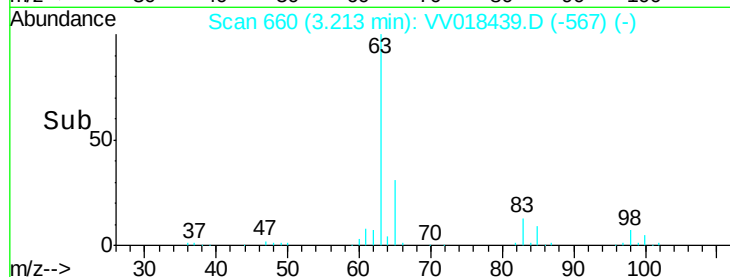
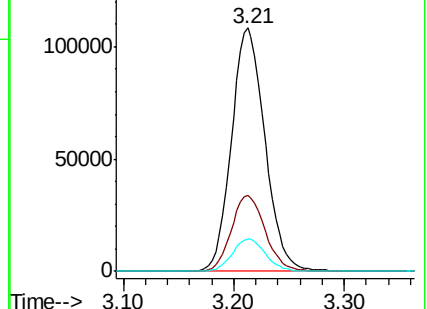
83 13.2 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 45.233 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

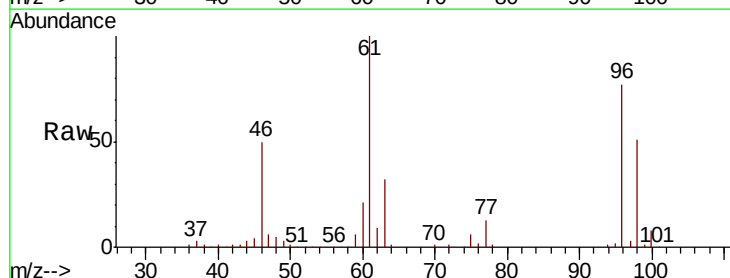
Tgt Ion: 96 Resp: 132877

Ion Ratio Lower Upper

96 100

61 129.6 93.6 173.8

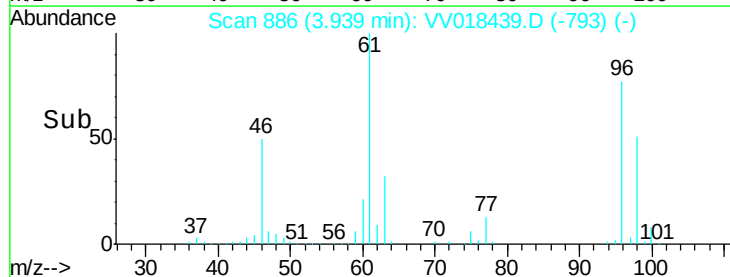
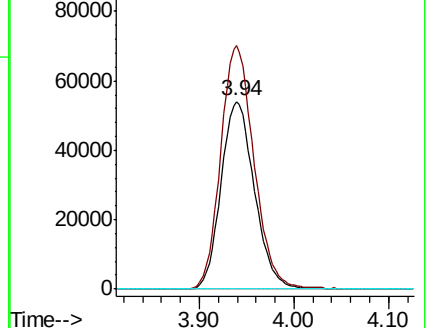
68 0.0 0.0 0.0

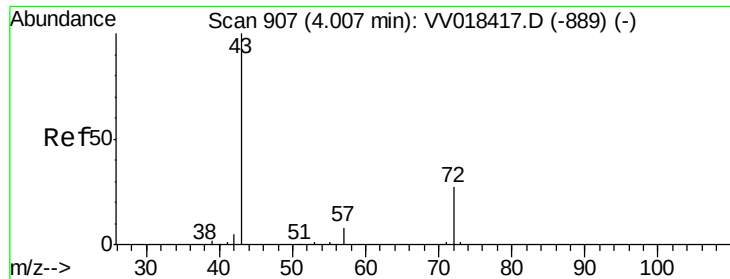


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 90.542 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.01 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

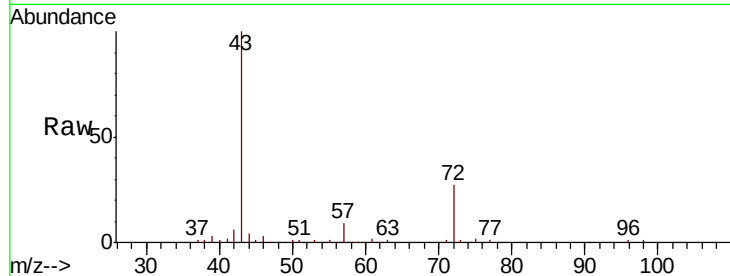
VSTD05086

Tot Ion: 43 Resp: 173917

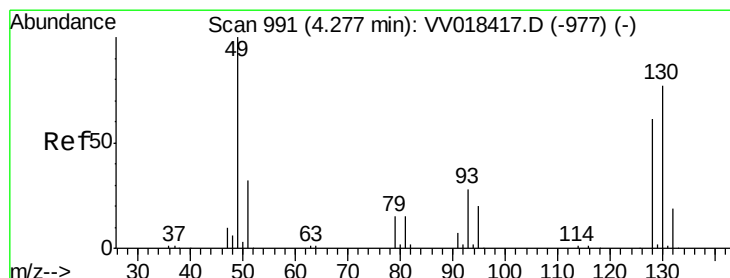
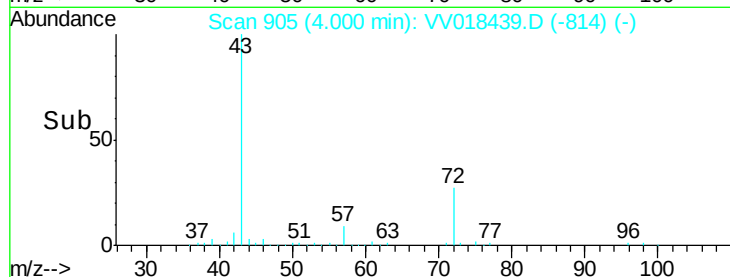
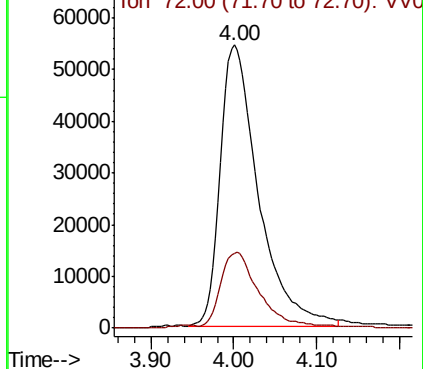
Ion Ratio Lower Upper

43 100

72 25.9 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018417.D (-889) (-)



#23

Bromochloromethane

Concen: 44.751 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Tgt Ion: 128 Resp: 68781

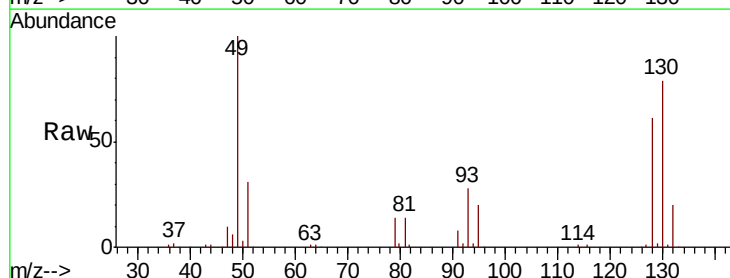
Ion Ratio Lower Upper

128 100

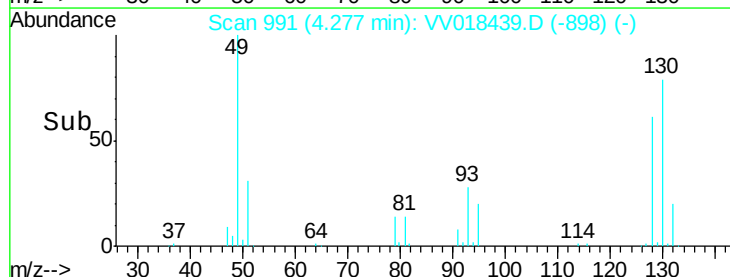
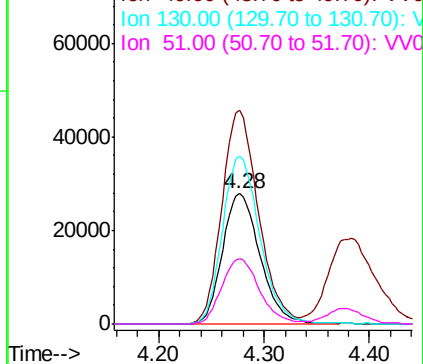
49 163.7 114.4 212.6

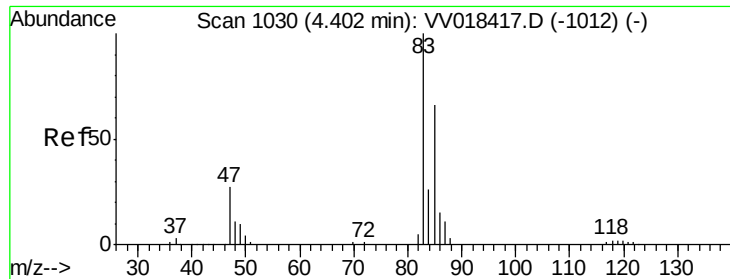
130 128.8 87.9 163.3

51 50.2 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018439.D (-898) (-)

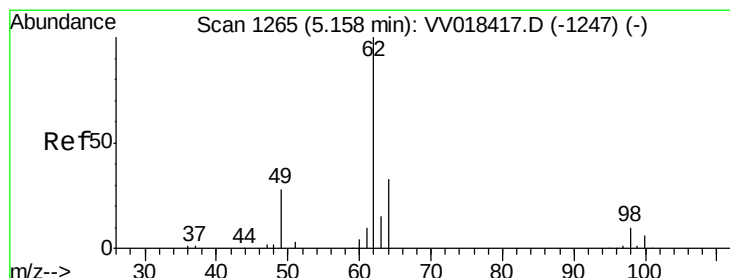
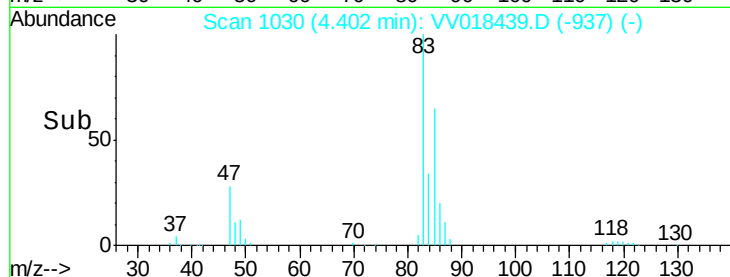
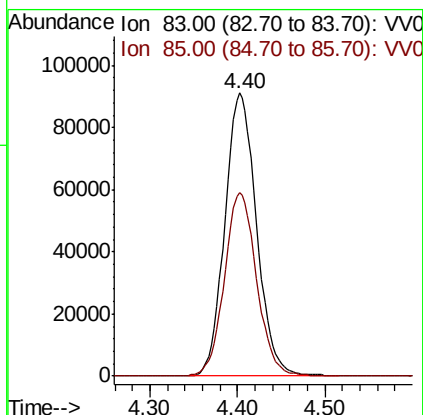
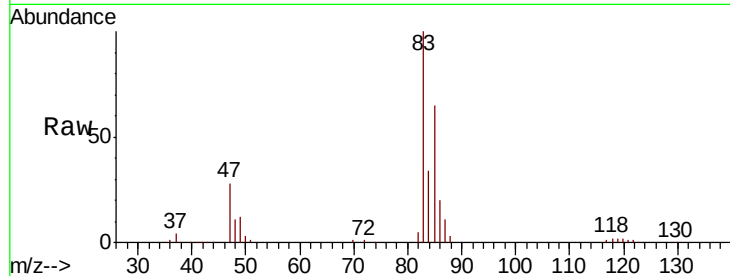




#25
Chloroform
Concen: 43.344 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018439.D
Acq: 24 Sep 2020 19:45

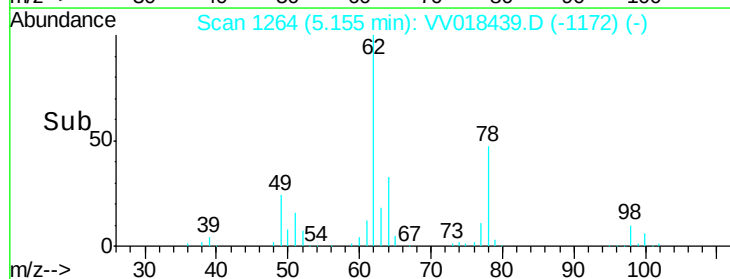
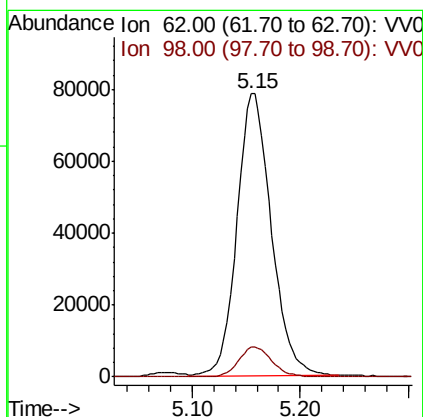
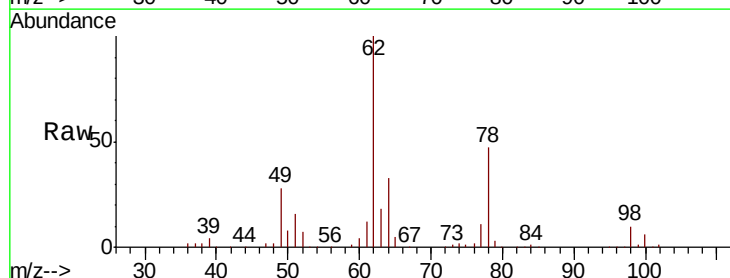
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

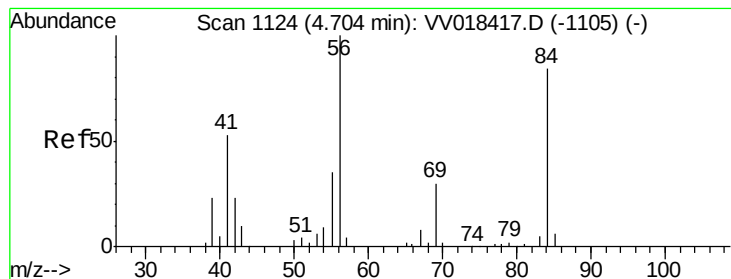
Tot Ion: 83 Resp: 228919
Ion Ratio Lower Upper
83 100
85 64.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 42.548 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018439.D
Acq: 24 Sep 2020 19:45

Tgt Ion: 62 Resp: 173966
Ion Ratio Lower Upper
62 100
98 10.4 7.6 11.4





#29

Cyclohexane

Concen: 44.625 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

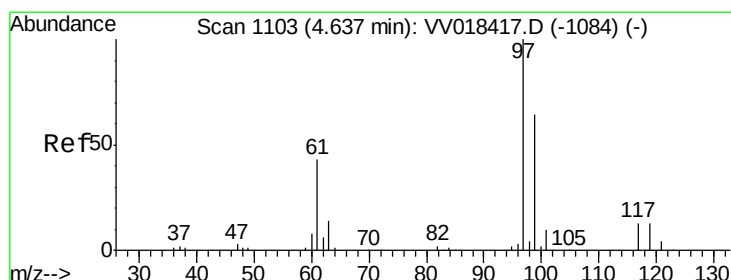
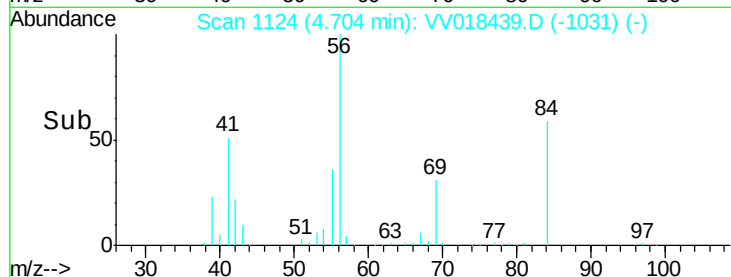
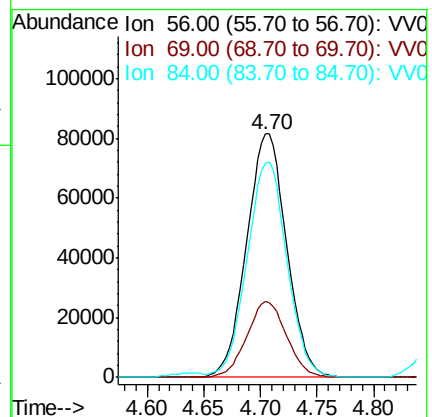
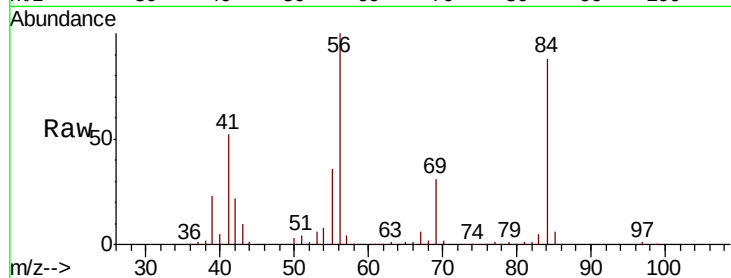
Tot Ion: 56 Resp: 200689

Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.2

84 88.4 68.3 102.5



#30

1,1,1-Trichloroethane

Concen: 44.117 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

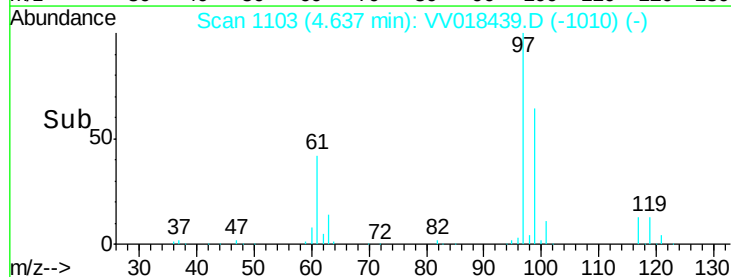
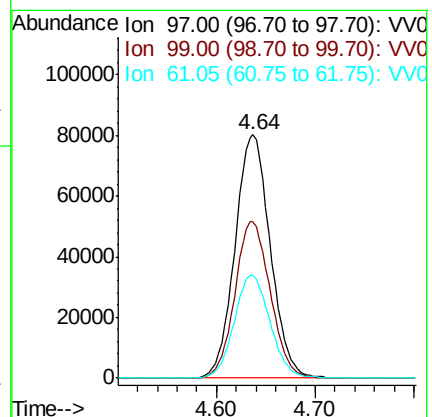
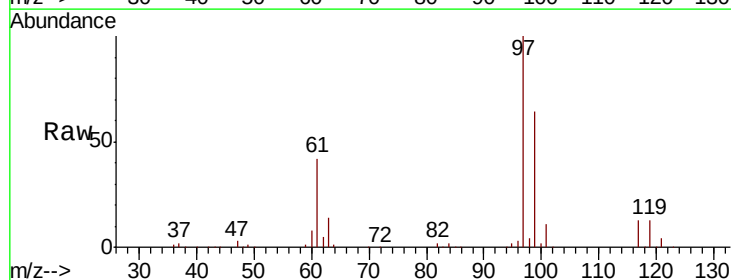
Tgt Ion: 97 Resp: 199398

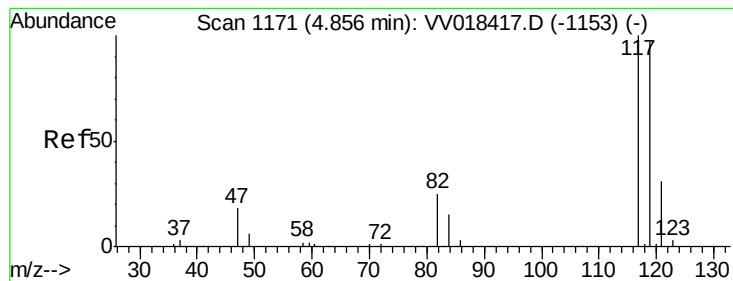
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 43.0 34.9 52.3





#31

Carbon tetrachloride

Concen: 43.017 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

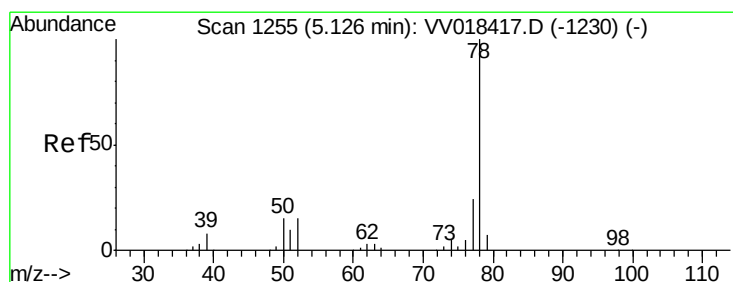
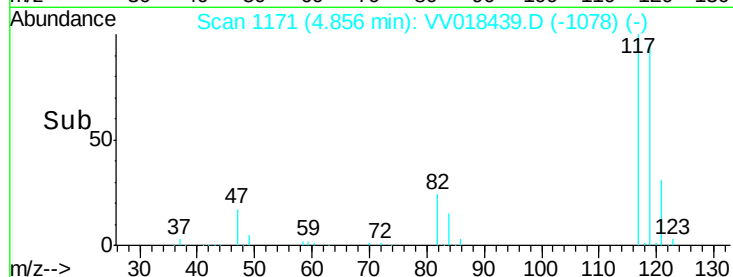
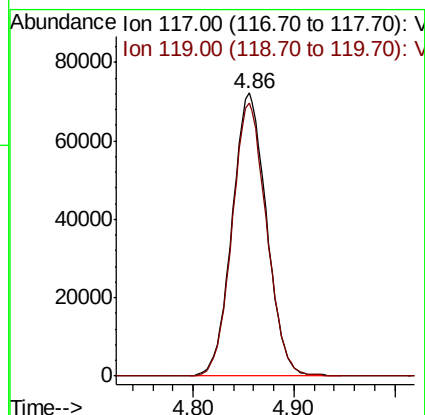
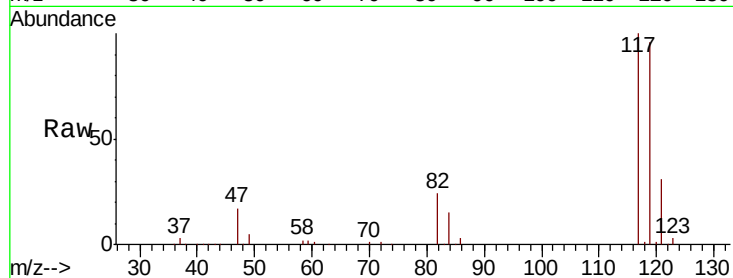
VSTD05086

Tot Ion:117 Resp: 170963

Ion Ratio Lower Upper

117 100

119 96.8 75.7 113.5



#33

Benzene

Concen: 45.424 ug/L

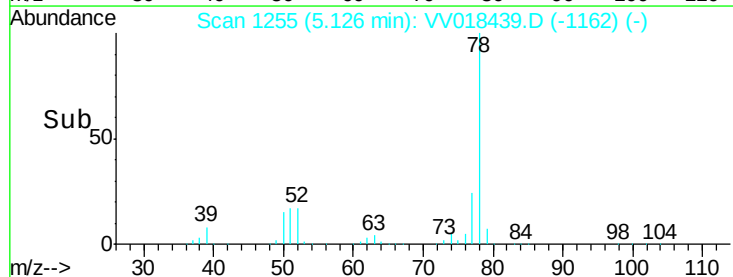
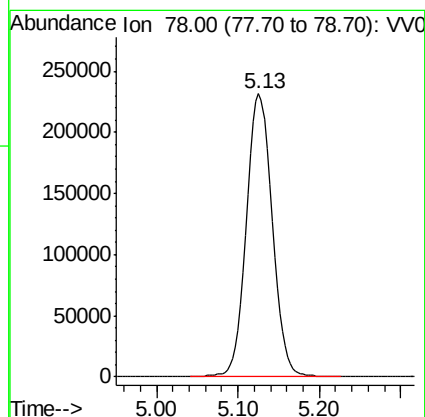
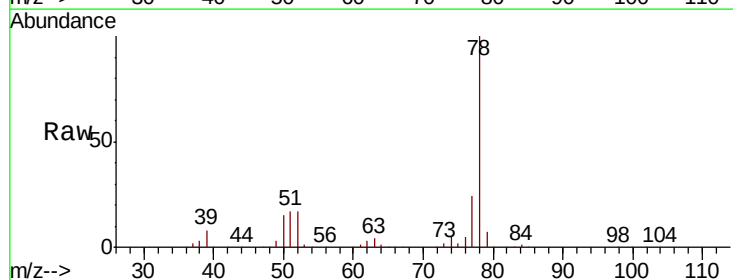
RT: 5.13 min Scan# 1255

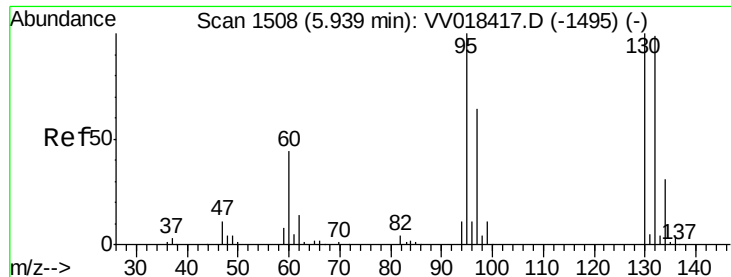
Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Tgt Ion: 78 Resp: 505795





#34

Trichloroethene

Concen: 45.260 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

Tot Ion: 95 Resp: 137289

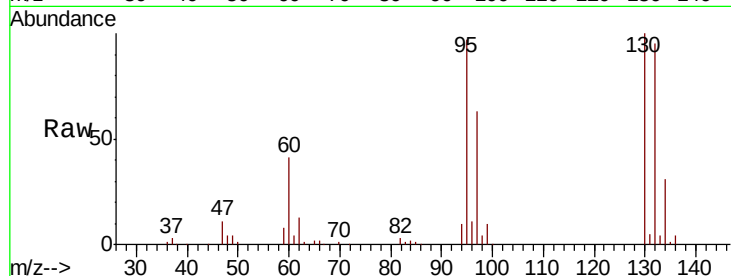
Ion Ratio Lower Upper

95 100

97 64.8 46.3 85.9

132 98.2 68.1 126.5

130 103.4 71.5 132.9

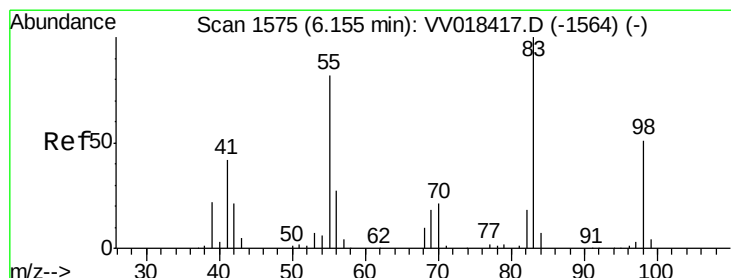
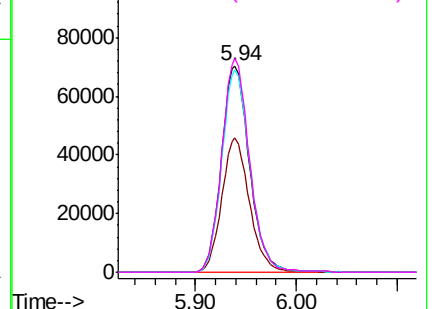
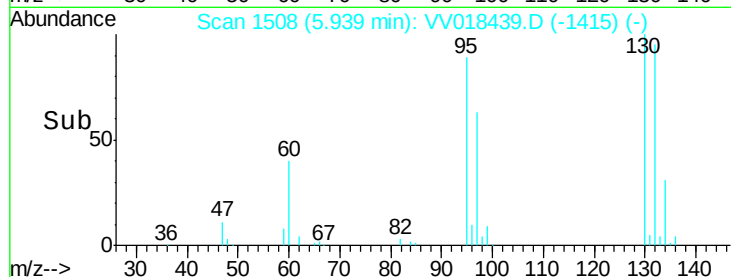


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 43.446 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

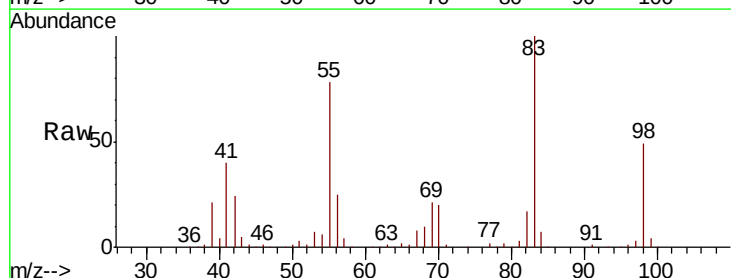
Tgt Ion: 83 Resp: 198426

Ion Ratio Lower Upper

83 100

55 76.8 63.4 95.2

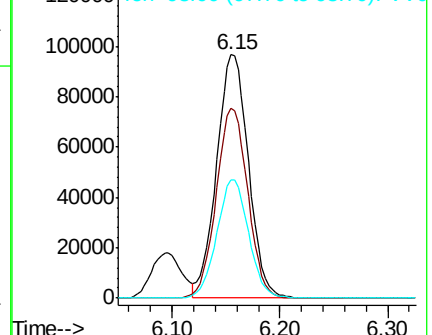
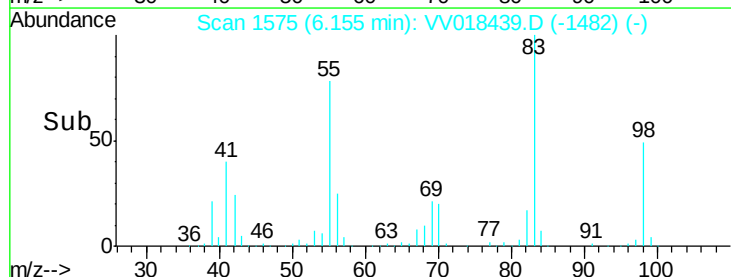
98 48.5 38.8 58.2

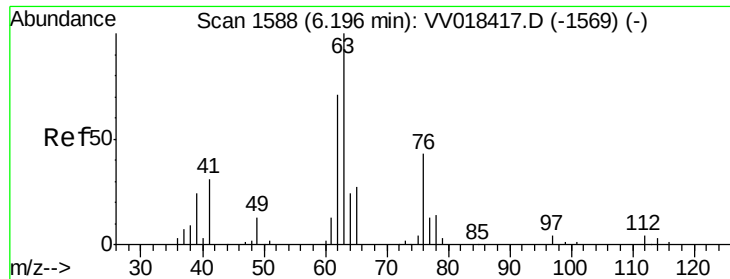


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

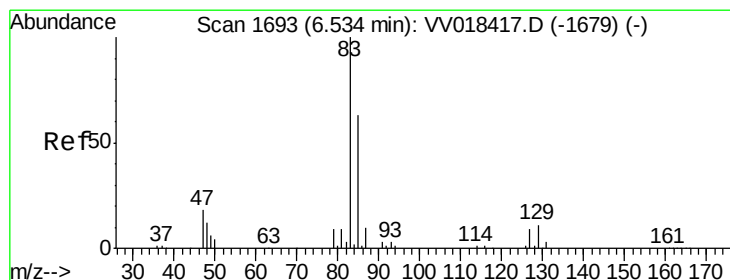
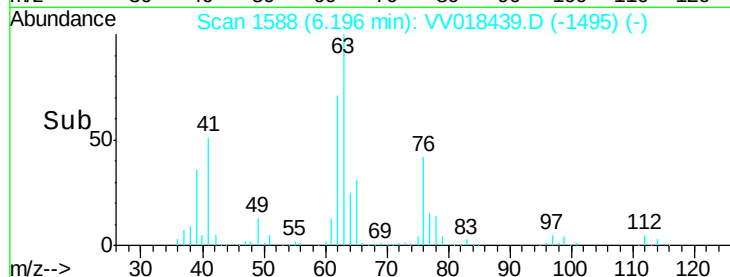
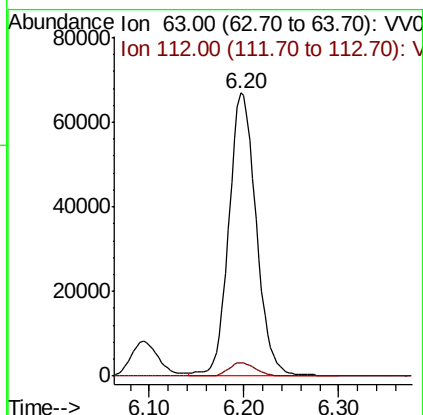
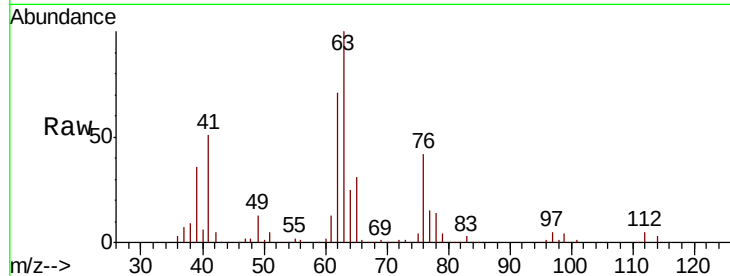




#37
 1,2-Dichloropropane
 Concen: 45.367 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018439.D
 Acq: 24 Sep 2020 19:45

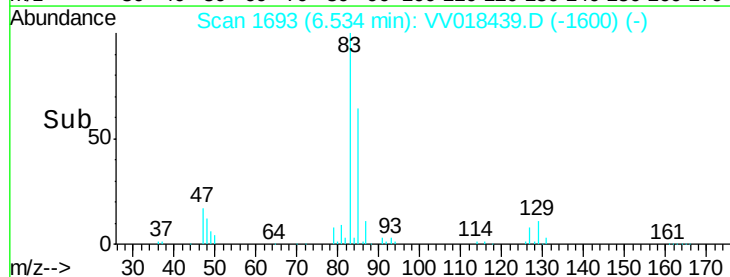
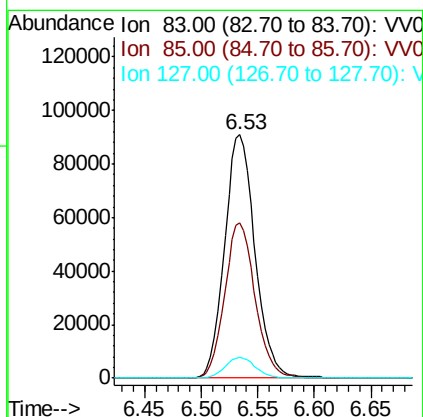
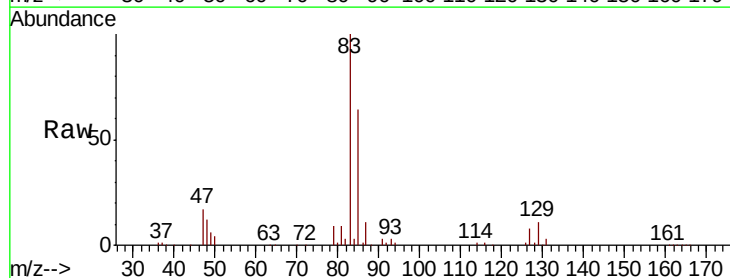
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

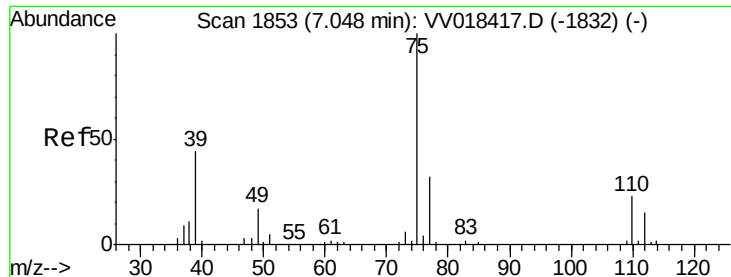
Tot Ion: 63 Resp: 133862
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.4 5.2



#38
 Bromodichloromethane
 Concen: 44.388 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018439.D
 Acq: 24 Sep 2020 19:45

Tgt Ion: 83 Resp: 170441
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.7 82.9
 127 8.4 6.7 10.1

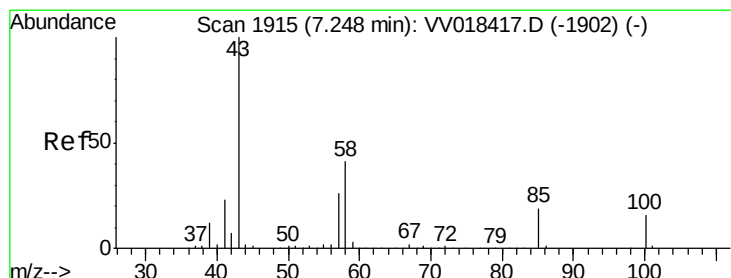
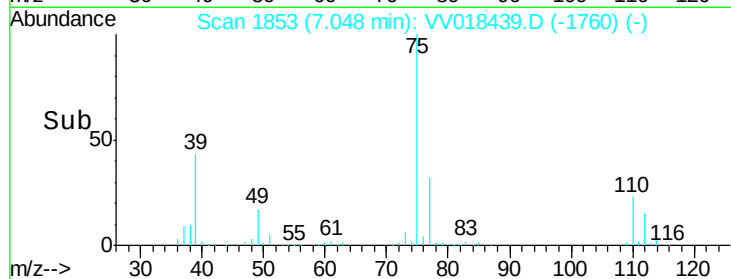
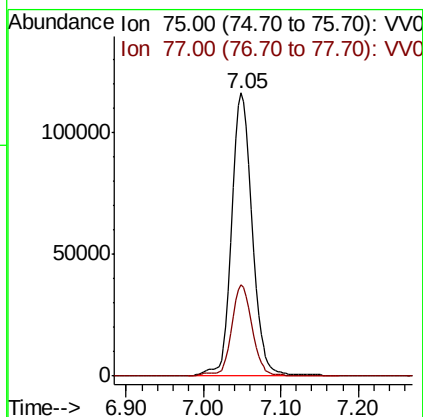
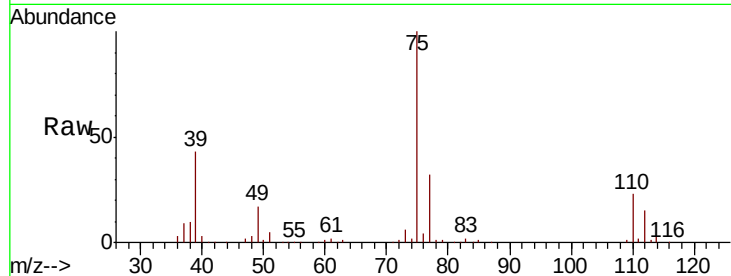




#39
 cis-1,3-Dichloropropene
 Concen: 46.834 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018439.D
 Acq: 24 Sep 2020 19:45

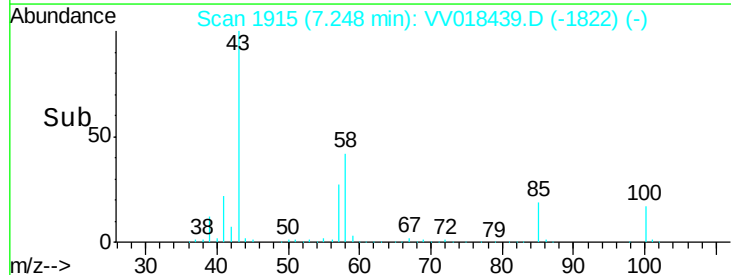
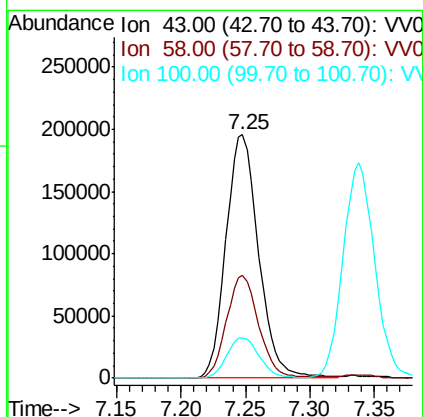
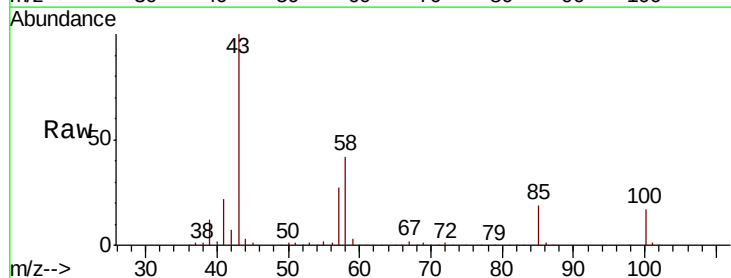
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

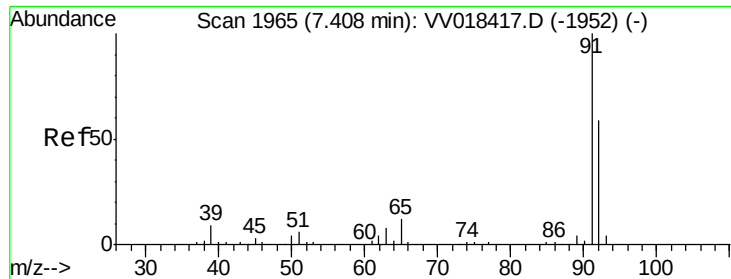
Tot Ion: 75 Resp: 212919
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 96.140 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018439.D
 Acq: 24 Sep 2020 19:45

Tgt Ion: 43 Resp: 344147
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.4 48.6
 100 16.5 12.7 19.1





#42

Toluene

Concen: 46.463 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

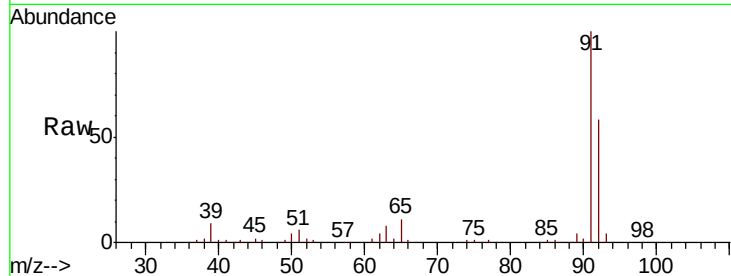
VSTD05086

Tot Ion: 91 Resp: 547512

Ion Ratio Lower Upper

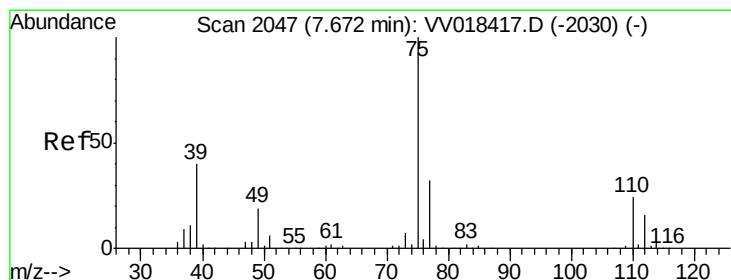
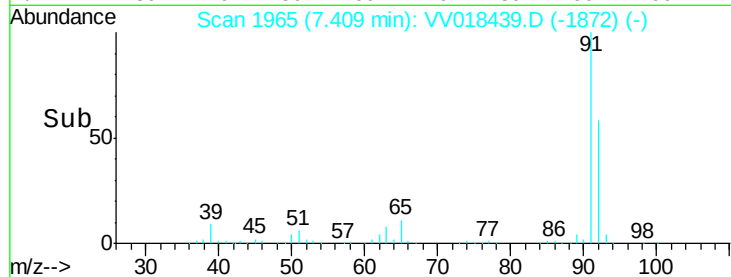
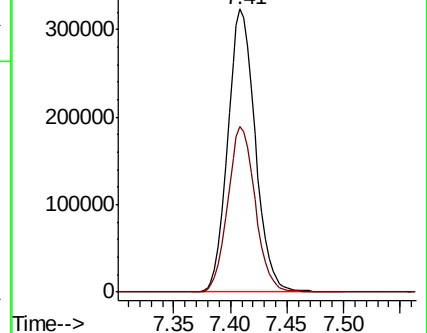
91 100

92 58.3 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 46.359 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018439.D

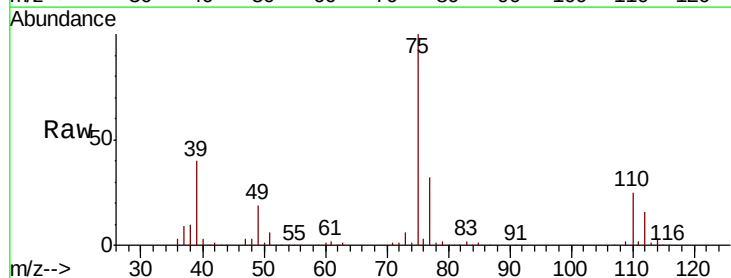
Acq: 24 Sep 2020 19:45

Tgt Ion: 75 Resp: 205208

Ion Ratio Lower Upper

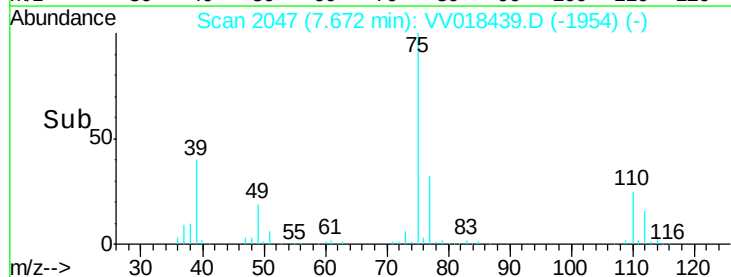
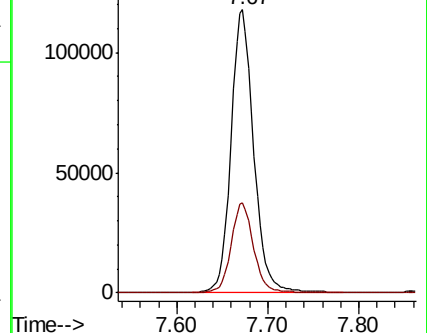
75 100

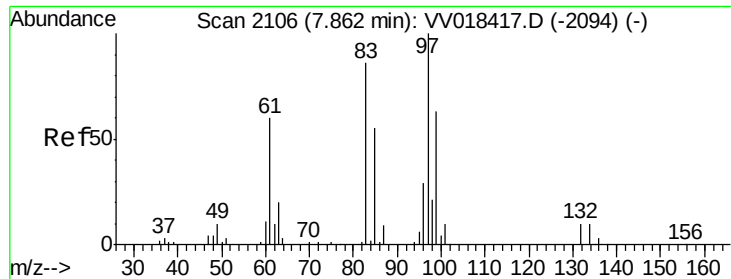
77 32.0 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

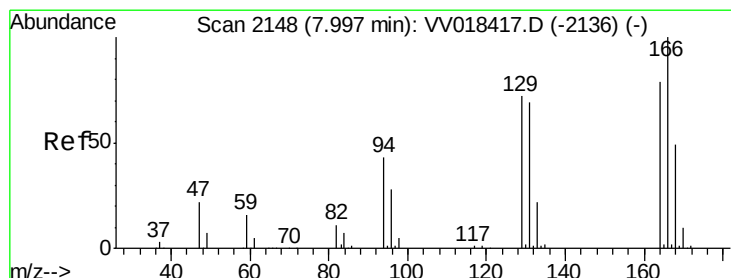
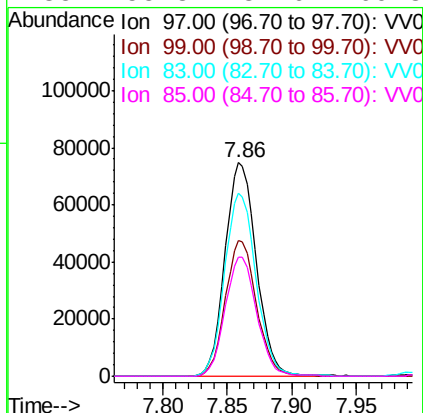
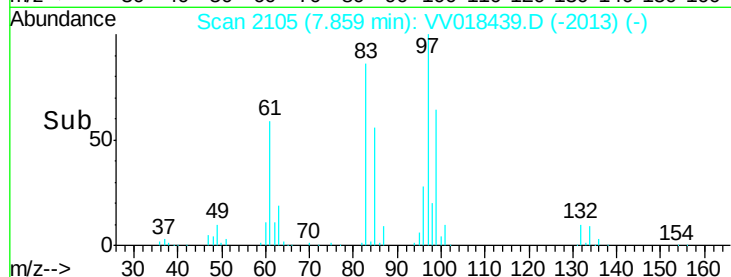
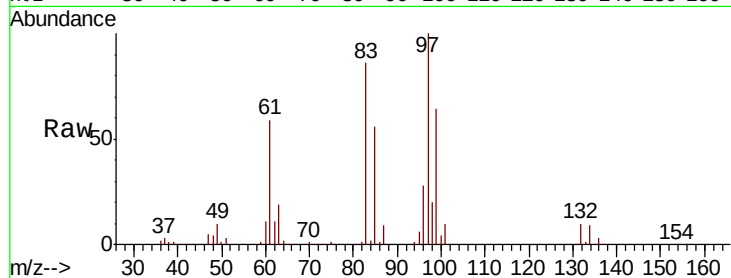




#45
 1,1,2-Trichloroethane
 Concen: 46.272 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018439.D
 Acq: 24 Sep 2020 19:45

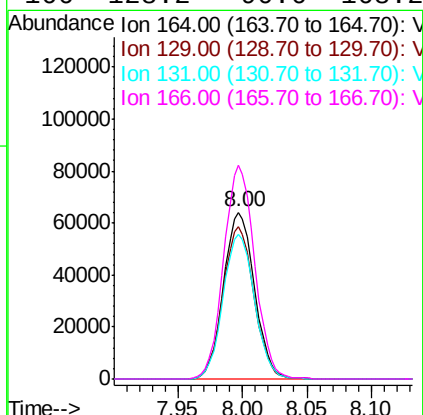
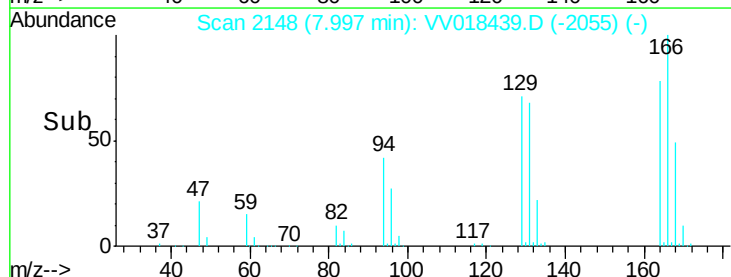
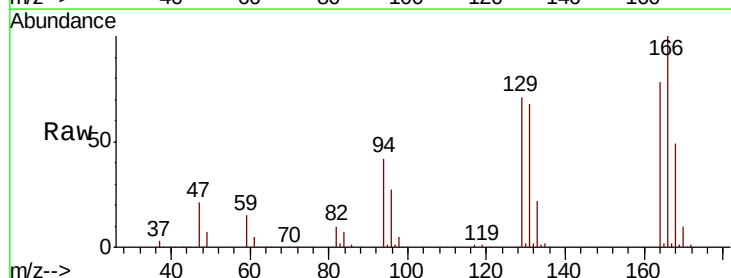
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

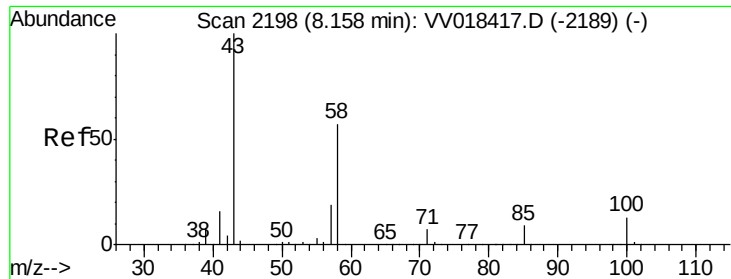
Tot Ion:	97	Resp:	126549
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.7	81.1
83	85.7	59.9	111.3
85	55.8	37.6	69.8



#46
 Tetrachloroethene
 Concen: 45.008 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018439.D
 Acq: 24 Sep 2020 19:45

Tgt Ion:	164	Resp:	107044
Ion	Ratio	Lower	Upper
164	100		
129	91.6	64.5	119.7
131	87.0	61.8	114.8
166	128.2	90.6	168.2

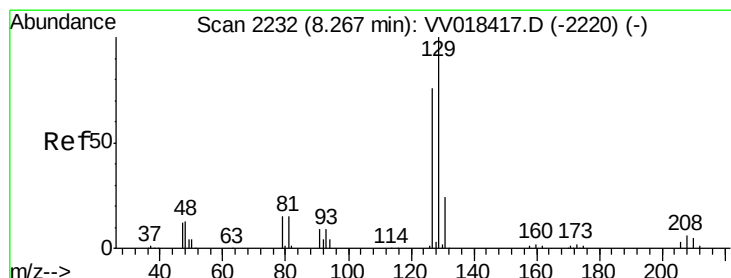
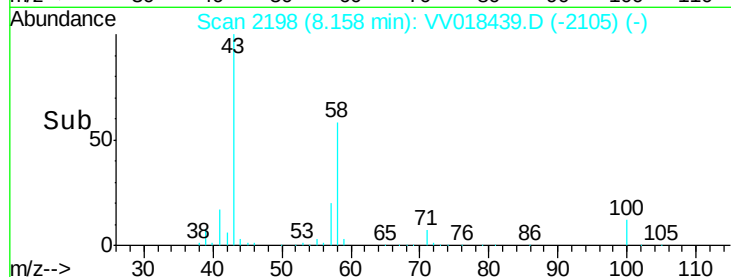
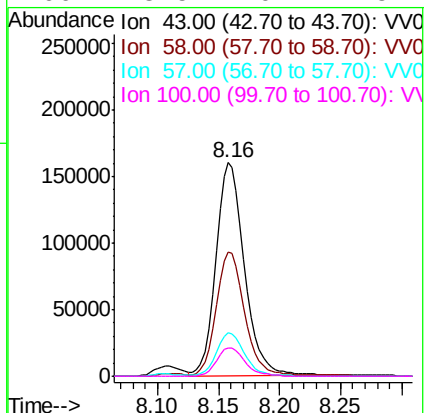
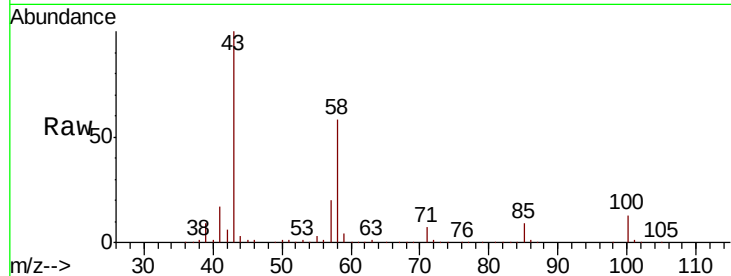




#48
2-Hexanone
Concen: 92.924 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018439.D
Acq: 24 Sep 2020 19:45

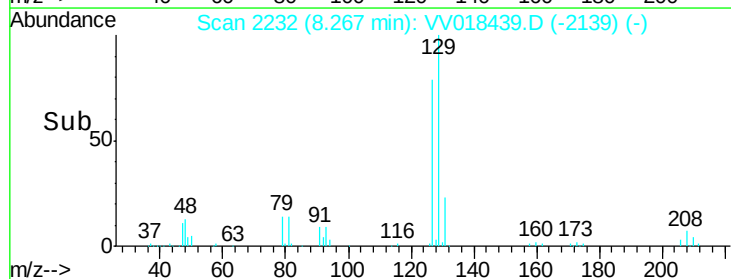
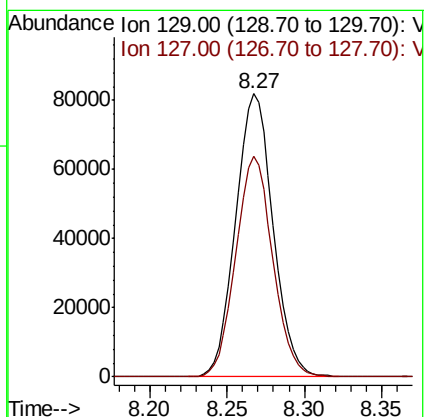
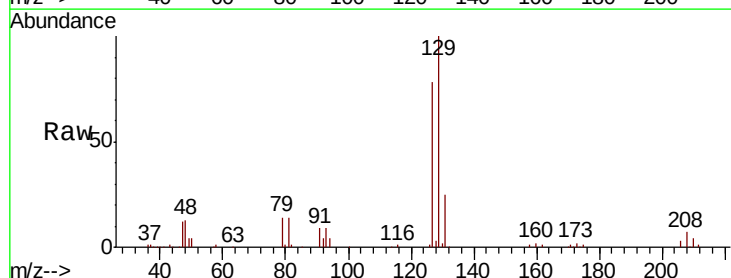
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

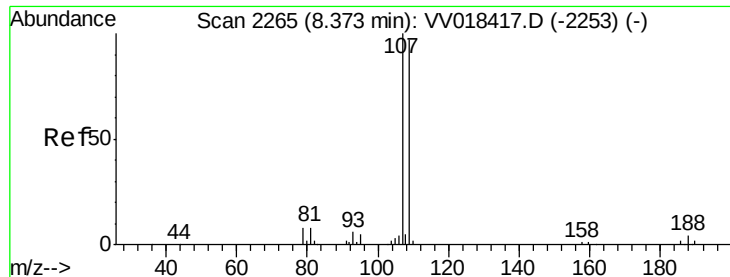
Tot Ion:	43	Resp:	262241
Ion	Ratio	Lower	Upper
43	100		
58	59.1	44.8	67.2
57	20.1	15.8	23.6
100	13.5	10.2	15.4



#49
Dibromochloromethane
Concen: 44.852 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018439.D
Acq: 24 Sep 2020 19:45

Tgt Ion:	129	Resp:	137689
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.5	101.1

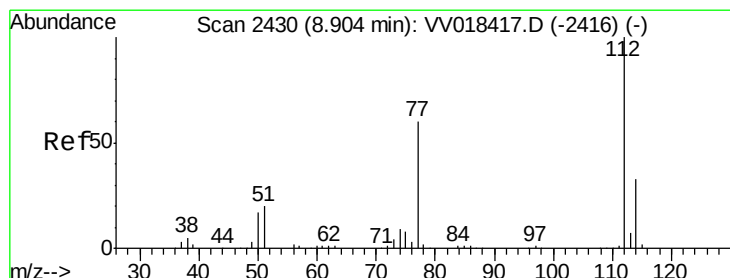
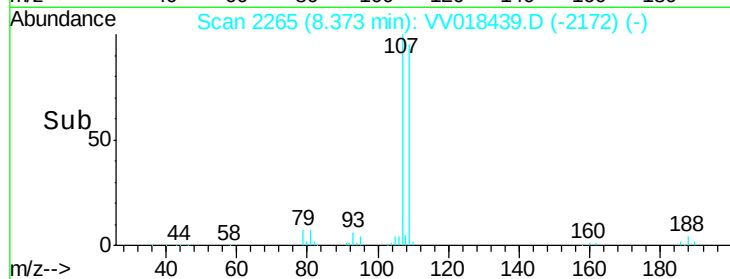
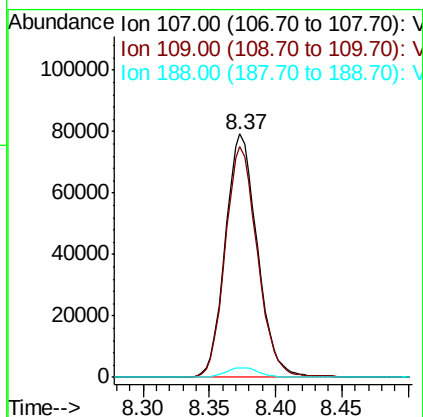
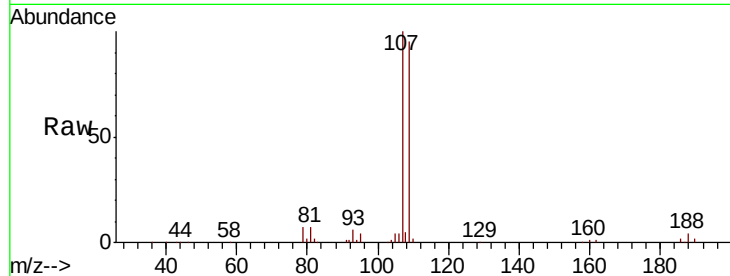




#50
1,2-Dibromoethane
Concen: 46.302 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018439.D
Acq: 24 Sep 2020 19:45

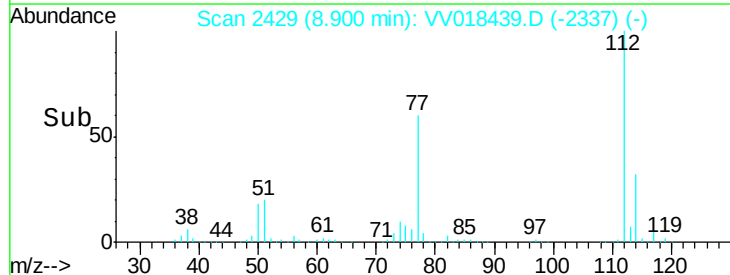
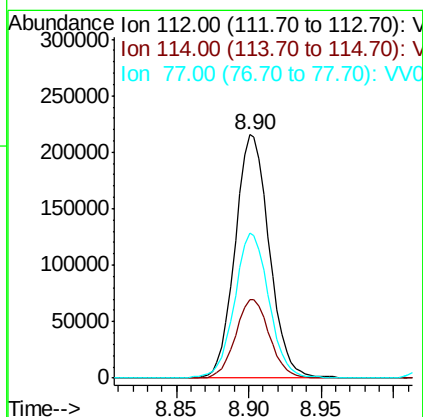
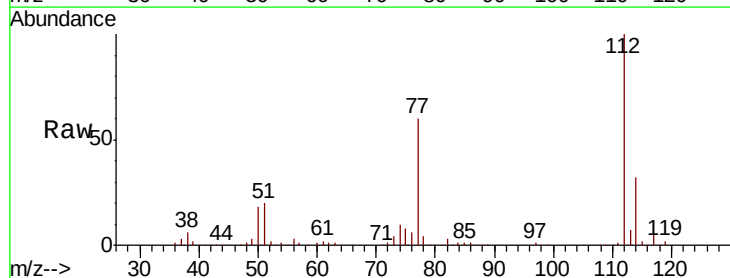
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

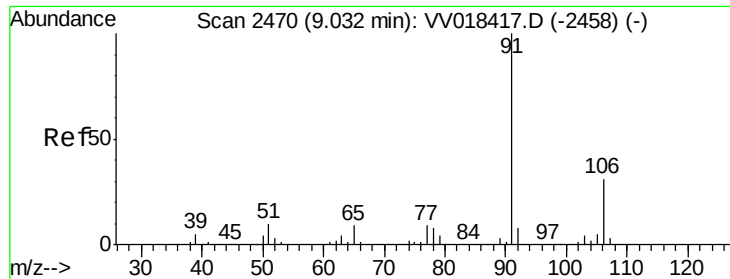
Tot Ion:107 Resp: 133273
Ion Ratio Lower Upper
107 100
109 94.6 66.1 122.8
188 4.1 3.2 4.8



#51
Chlorobenzene
Concen: 46.133 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018439.D
Acq: 24 Sep 2020 19:45

Tgt Ion:112 Resp: 353047
Ion Ratio Lower Upper
112 100
114 32.2 22.6 42.0
77 59.6 48.0 72.0





#52

Ethylbenzene

Concen: 47.064 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

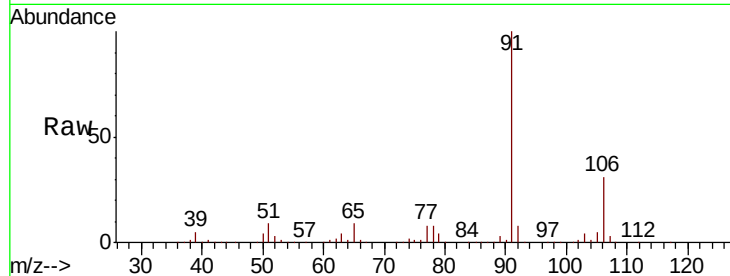
VSTD05086

Tot Ion: 91 Resp: 605481

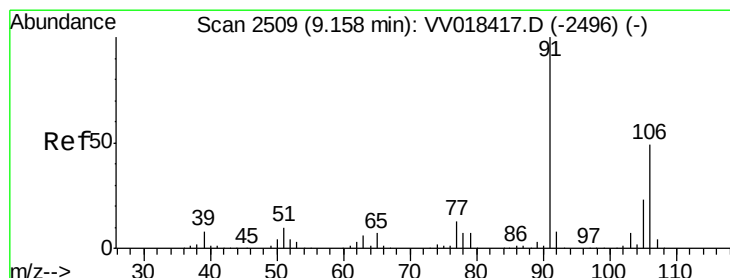
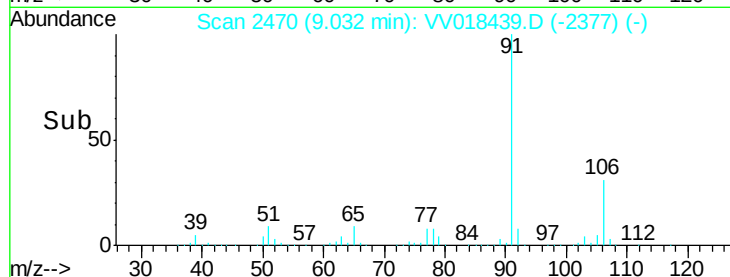
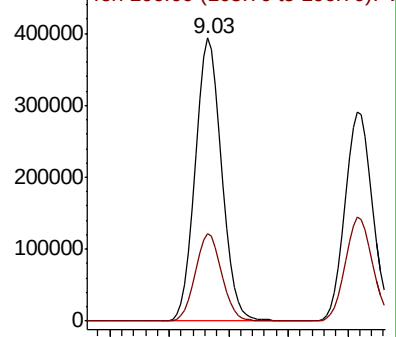
Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018439.D (-2377) (-)



#53

m,p-Xylene

Concen: 48.037 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018439.D

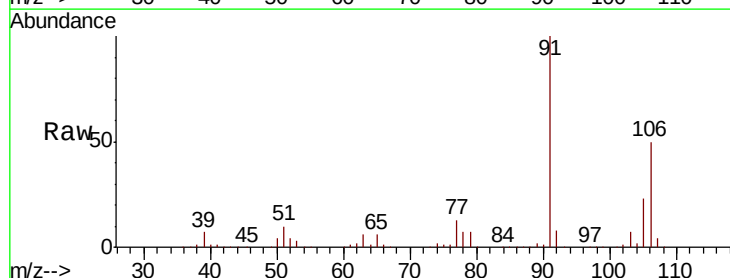
Acq: 24 Sep 2020 19:45

Tgt Ion: 106 Resp: 230673

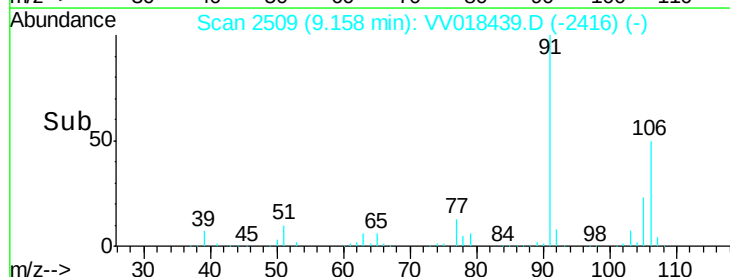
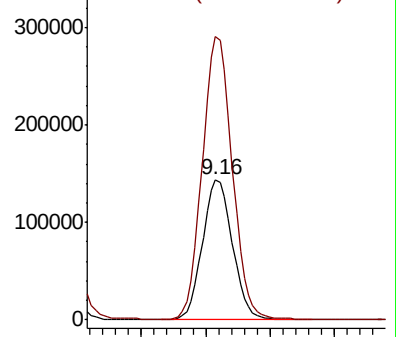
Ion Ratio Lower Upper

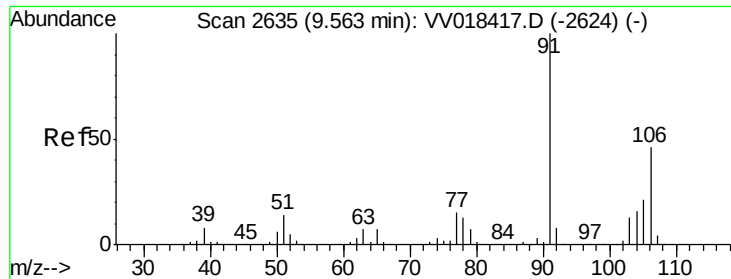
106 100

91 201.6 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018439.D (-2416) (-)





#54

o-xylene

Concen: 48.171 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

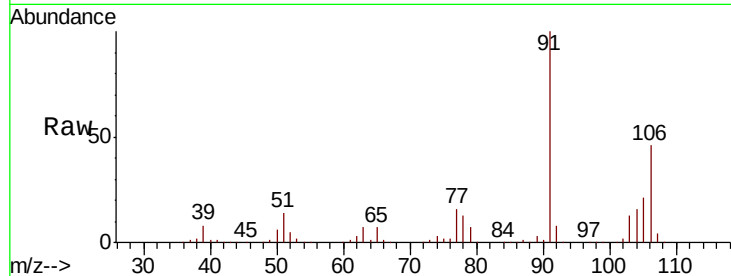
VSTD05086

Tot Ion:106 Resp: 222846

Ion Ratio Lower Upper

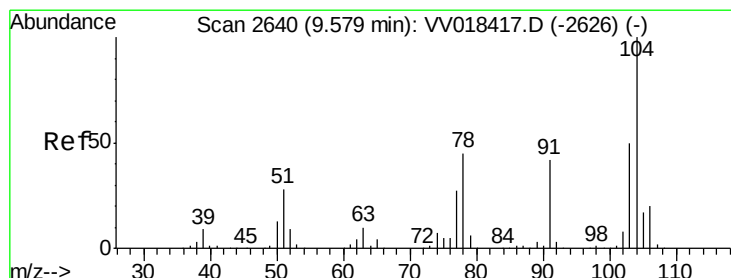
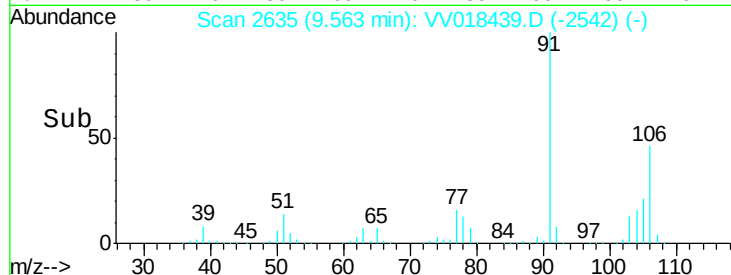
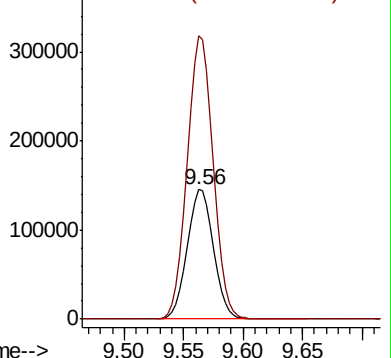
106 100

91 218.8 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.383 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018439.D

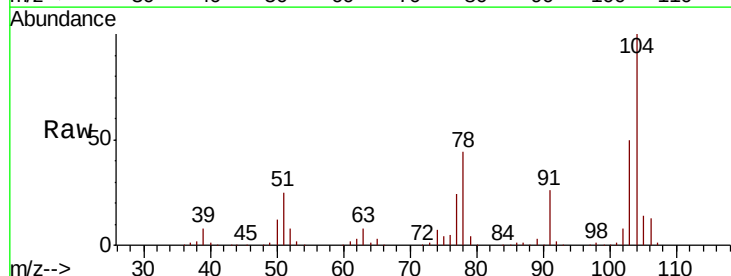
Acq: 24 Sep 2020 19:45

Tgt Ion:104 Resp: 389040

Ion Ratio Lower Upper

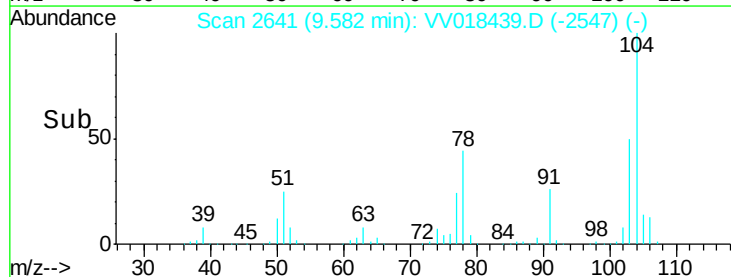
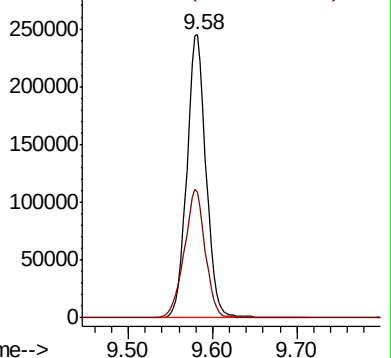
104 100

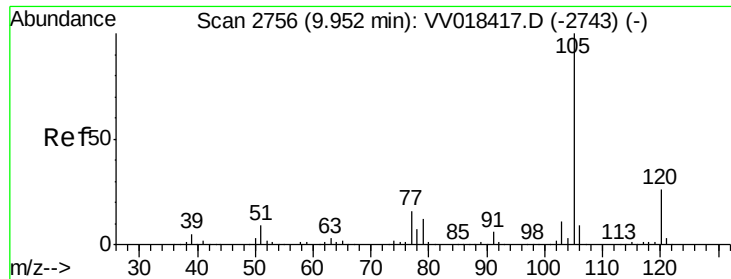
78 44.3 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.362 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

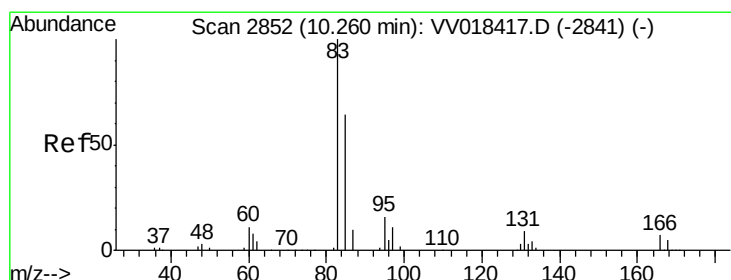
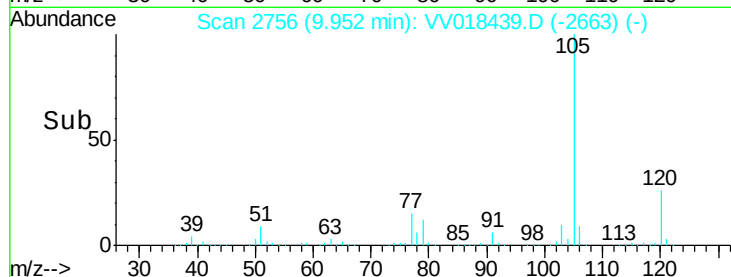
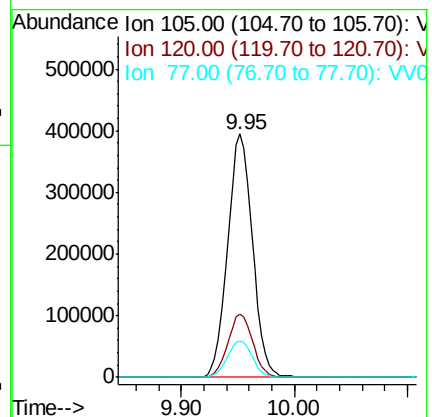
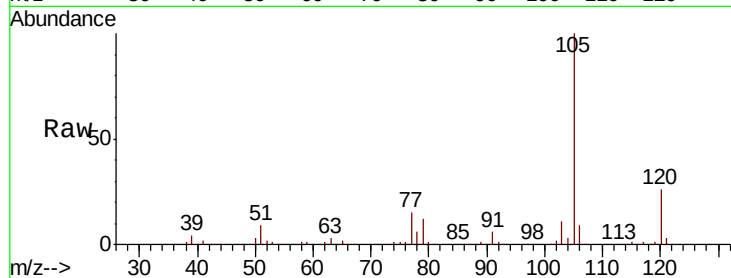
Tot Ion:105 Resp: 602975

Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

77 15.3 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 47.366 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

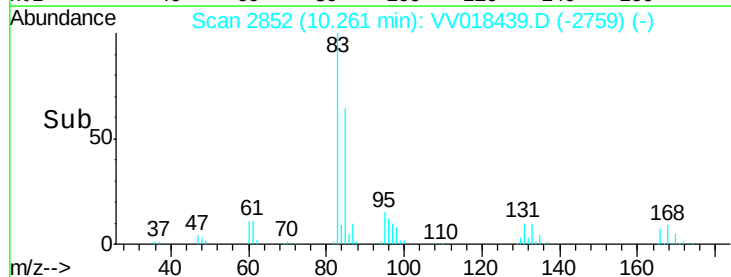
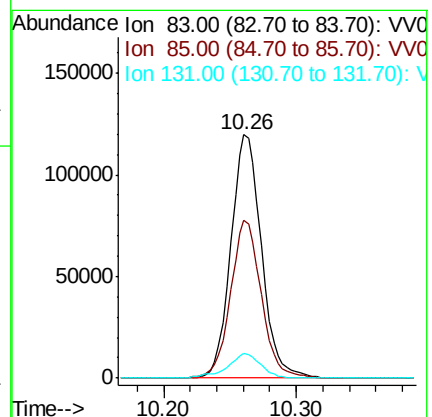
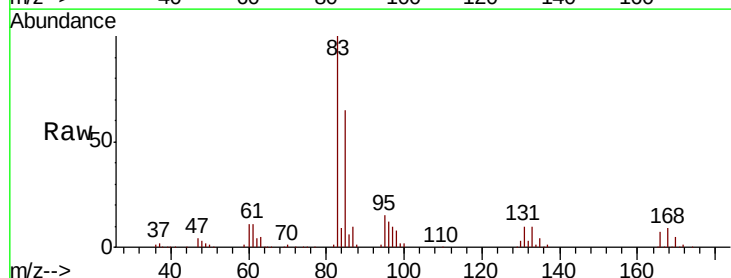
Tgt Ion: 83 Resp: 191623

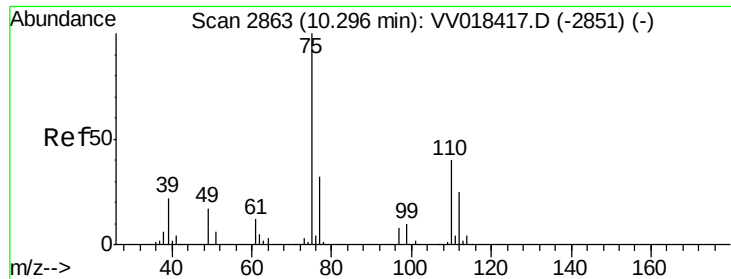
Ion Ratio Lower Upper

83 100

85 64.6 45.8 85.2

131 10.0 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 46.569 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

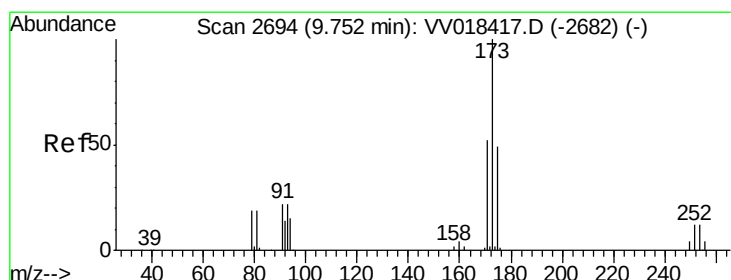
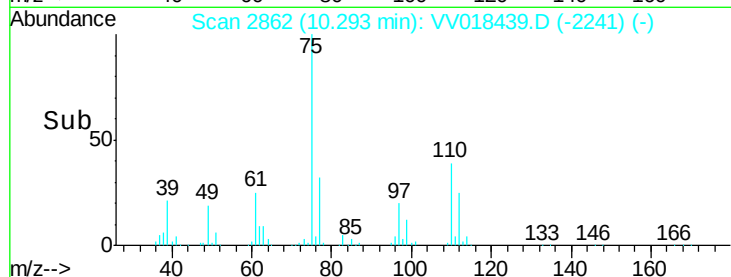
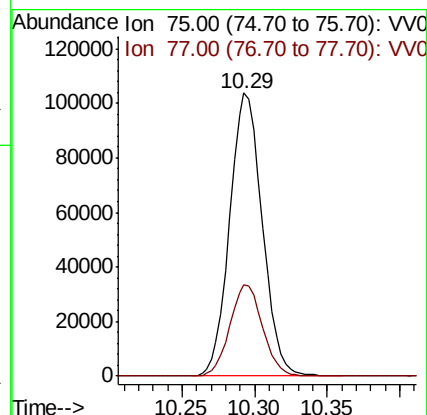
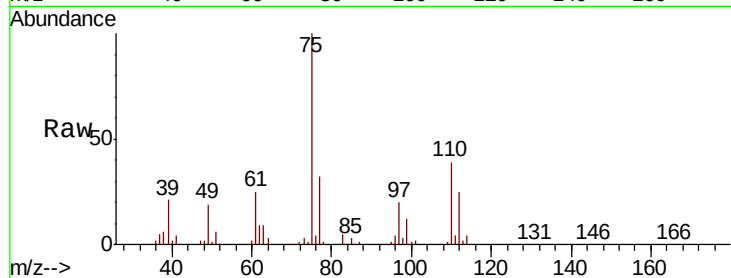
VSTD05086

Tot Ion: 75 Resp: 161619

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6



#61

Bromoform

Concen: 45.641 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

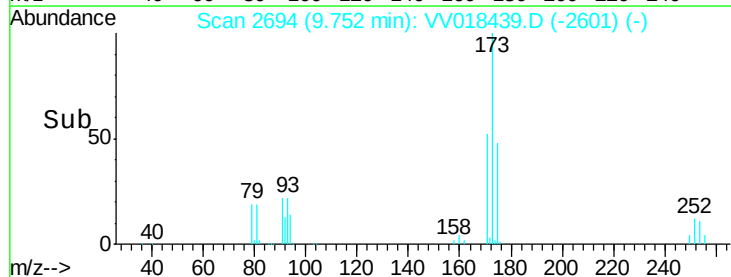
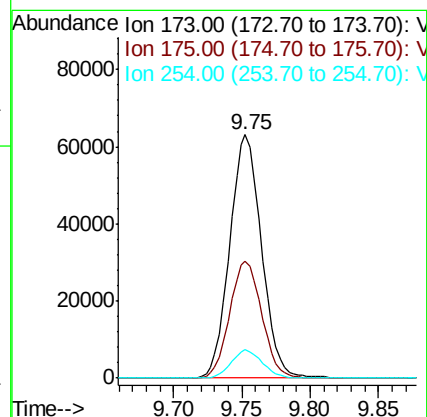
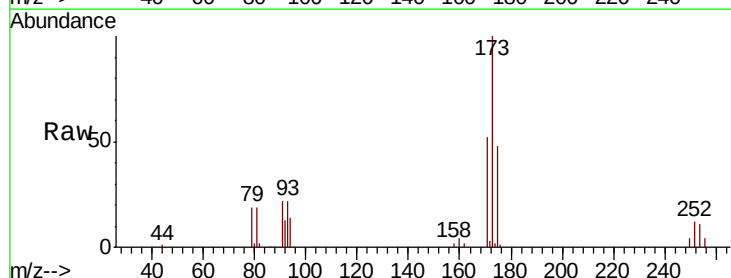
Tgt Ion: 173 Resp: 102190

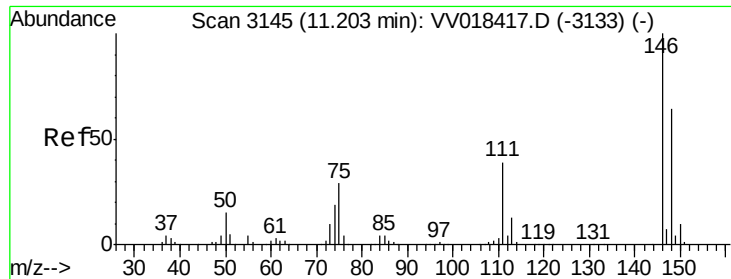
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.6

254 11.3 9.0 13.4





#62

1,3-Dichlorobenzene

Concen: 47.224 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

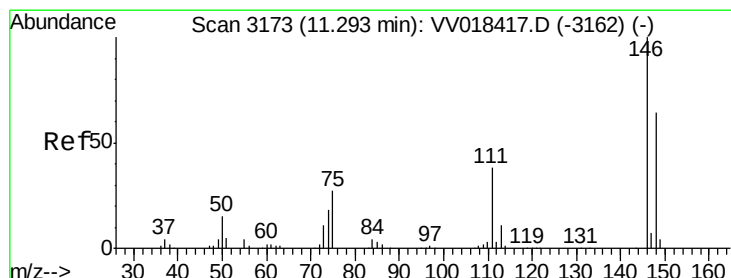
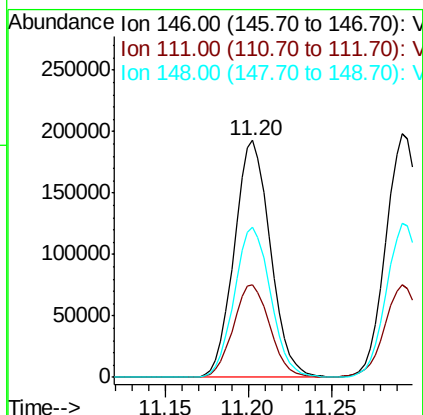
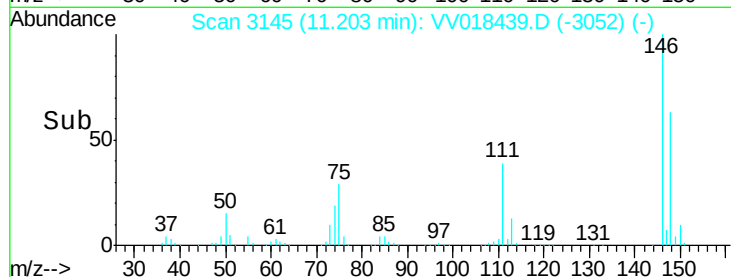
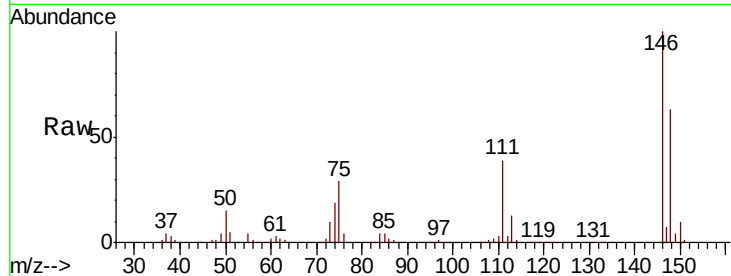
Tot Ion:146 Resp: 292665

Ion Ratio Lower Upper

146 100

111 38.8 27.6 51.2

148 63.3 45.4 84.2



#63

1,4-Dichlorobenzene

Concen: 47.250 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

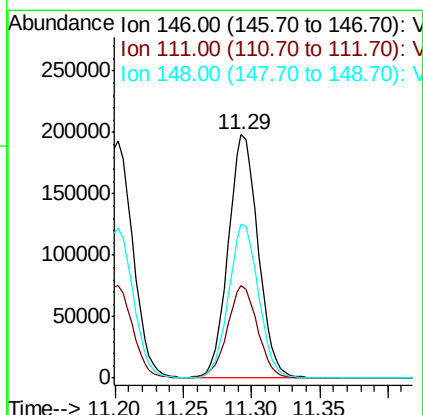
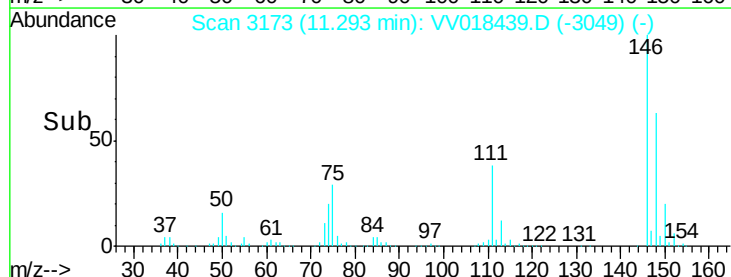
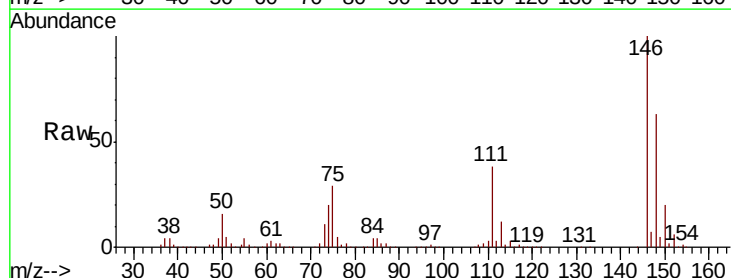
Tgt Ion:146 Resp: 300988

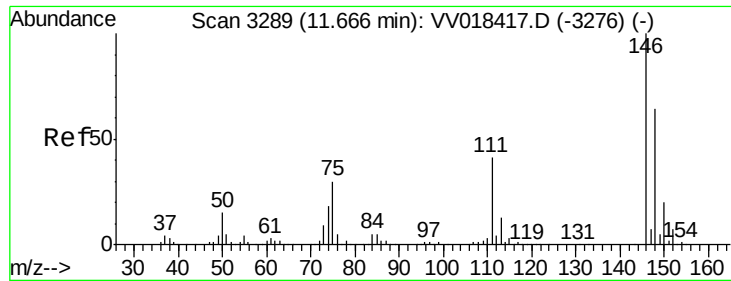
Ion Ratio Lower Upper

146 100

111 38.0 27.1 50.3

148 63.0 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 46.604 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

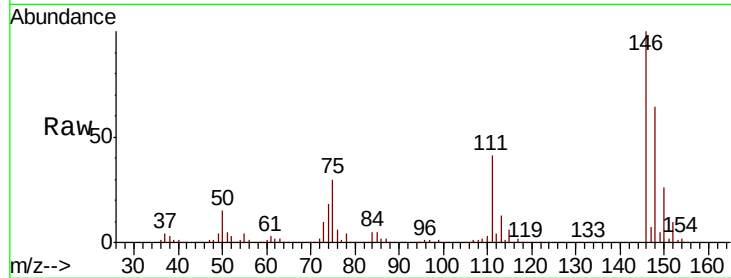
Tot Ion:146 Resp: 291935

Ion Ratio Lower Upper

146 100

111 40.9 32.8 49.2

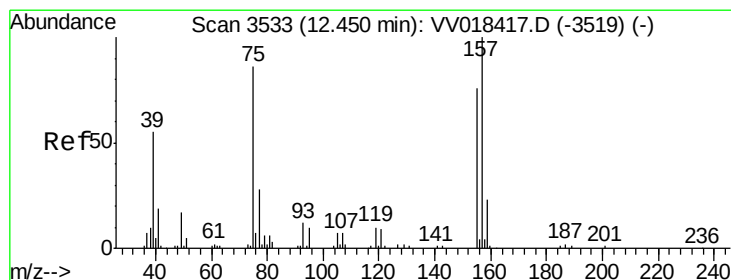
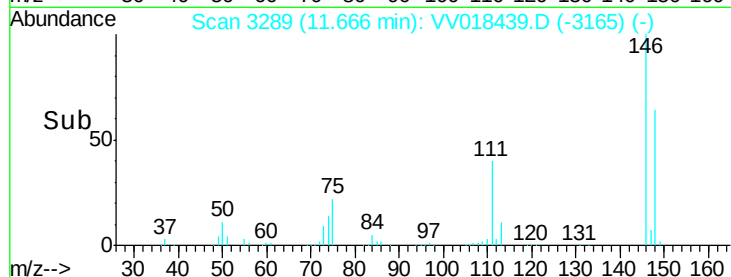
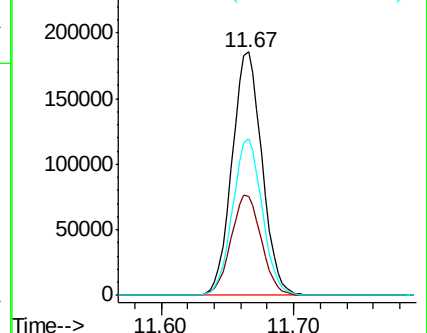
148 64.2 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.096 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

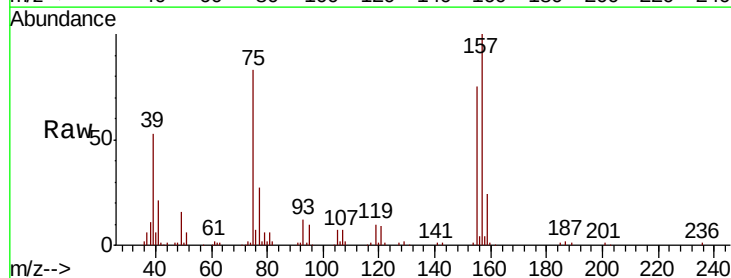
Tgt Ion: 75 Resp: 41631

Ion Ratio Lower Upper

75 100

155 91.1 69.7 104.5

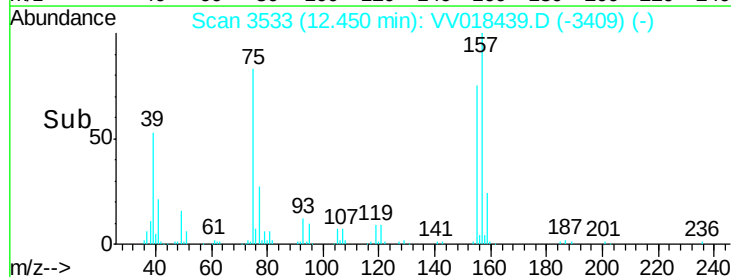
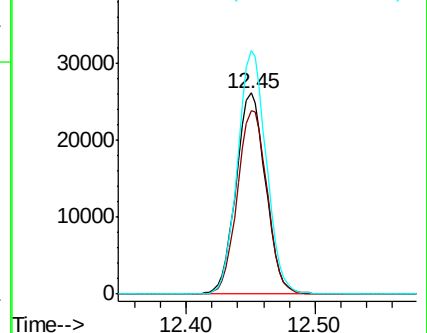
157 121.0 88.2 132.4

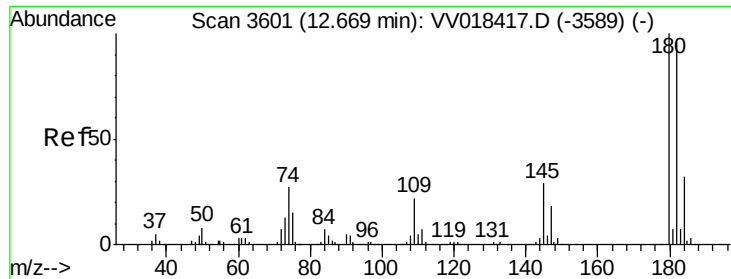


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

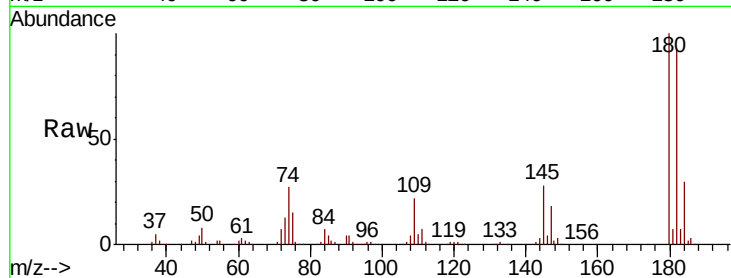




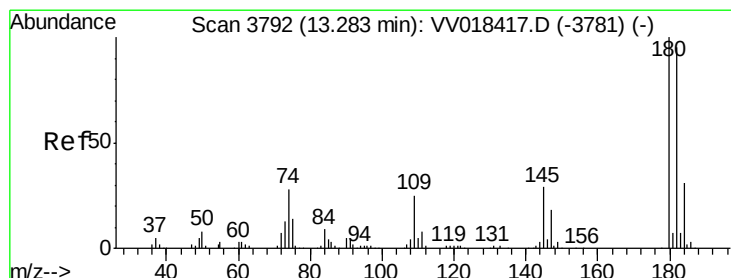
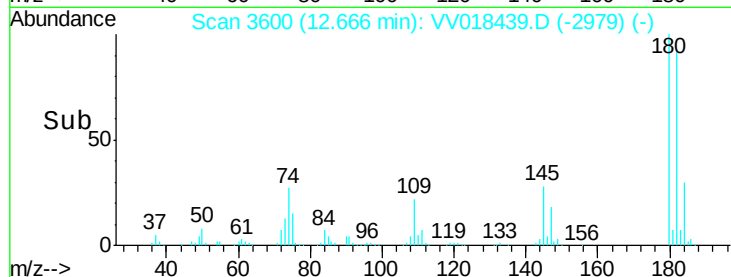
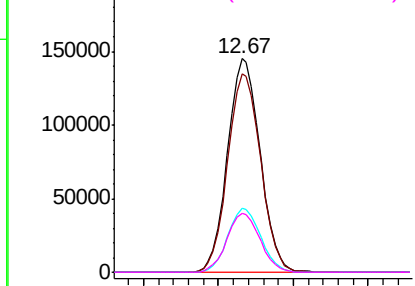
#67
 1,3,5-Trichlorobenzene
 Concen: 45.065 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018439.D
 Acq: 24 Sep 2020 19:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Tot Ion:180 Resp: 220174
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.8 115.2
 184 30.2 24.6 36.8
 145 28.1 22.7 34.1

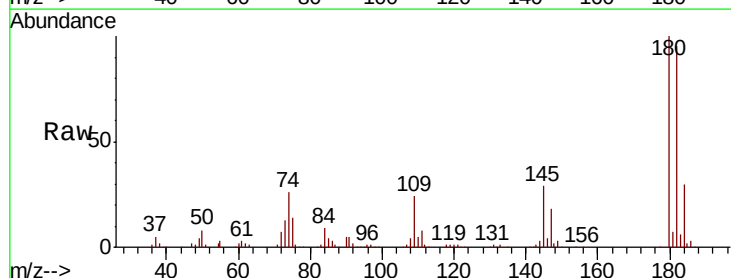


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

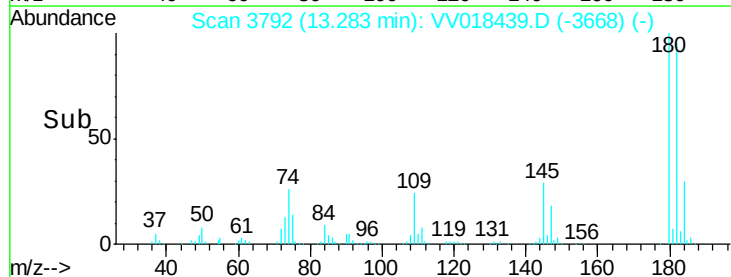
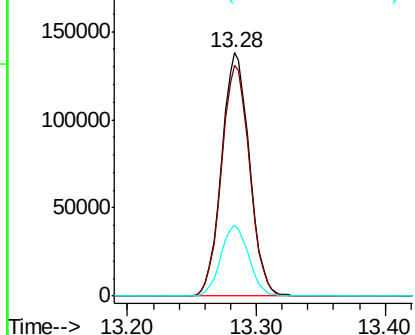


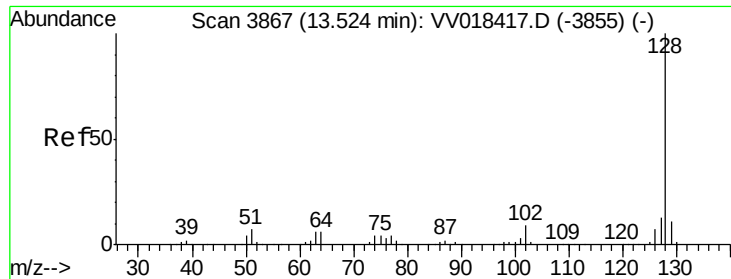
#68
 1,2,4-trichlorobenzene
 Concen: 47.572 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018439.D
 Acq: 24 Sep 2020 19:45

Tgt Ion:180 Resp: 206973
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.4 116.2
 145 29.1 23.2 34.8



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





#69

Naphthalene

Concen: 55.525 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

Instrument :

MSVOA_V

ClientSampled :

VSTD05086

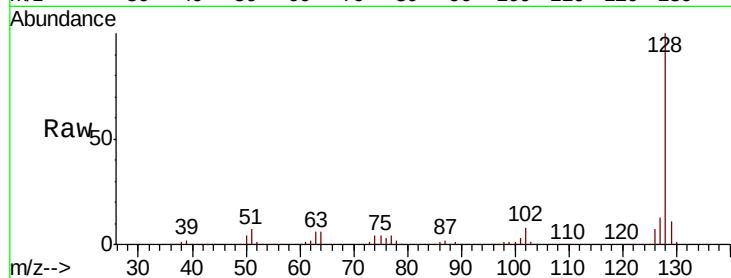
Tot Ion:128 Resp: 611267

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

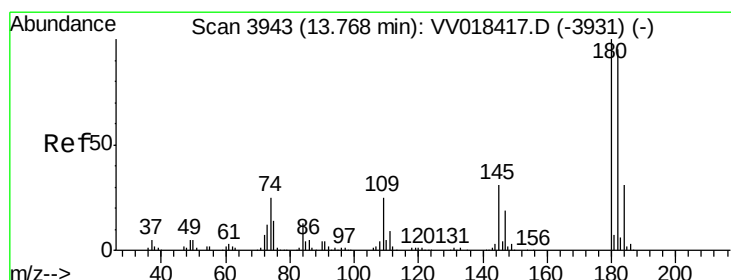
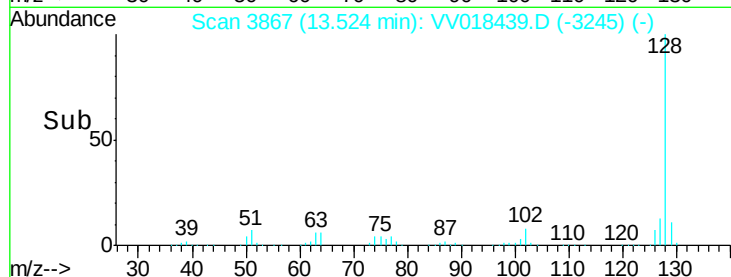
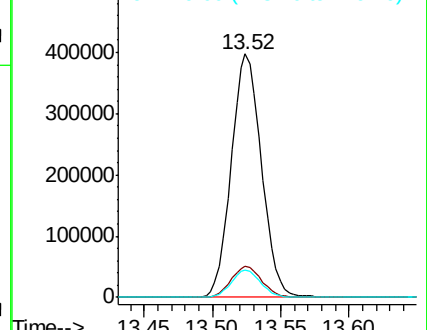
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.089 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018439.D

Acq: 24 Sep 2020 19:45

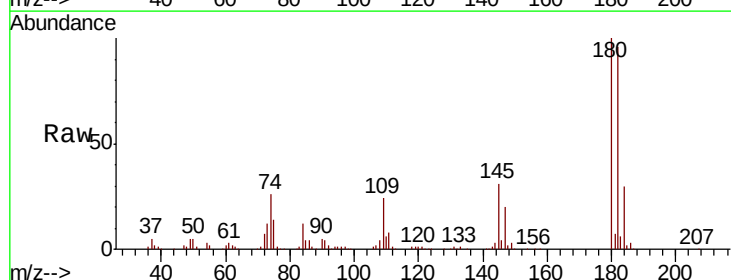
Tgt Ion:180 Resp: 206071

Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

145 31.0 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

