

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072420\
 Data File : VV017665.D
 Acq On : 24 Jul 2020 23:24
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 25 00:14:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 25 00:05:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	160983	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	154059	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	85574	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36423	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.58	69	30224	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.13	63	86412	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	3.92	46	78354	42.61	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.22%
24) Chloroform-d	4.38	84	94932	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.06	65	49216	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.07	84	164413	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.09	67	43274	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.34	98	163439	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
45) trans-1,3-Dichloropropene-	7.64	79	20033	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
48) 2-Hexanone-d5	8.11	63	58606	44.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.40%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	30725	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	62743	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	82041	4.651	ug/L 99
3) Chloromethane	1.25	50	52910	4.610	ug/L 98
5) Vinyl chloride	1.32	62	54334	4.724	ug/L 98
6) Bromomethane	1.53	94	33773	4.569	ug/L 97
8) Chloroethane	1.60	64	33375	5.027	ug/L 92
9) Trichlorofluoromethane	1.77	101	107900	5.245	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	48549	5.053	ug/L 95
12) 1,1-Dichloroethene	2.14	96	43890	5.063	ug/L 92
13) Acetone	2.20	43	61835	42.954	ug/L # 49
14) Carbon disulfide	2.31	76	129704	4.922	ug/L 98
15) Methyl Acetate	2.45	43	14870	5.308	ug/L 89
16) Methylene chloride	2.52	84	46023	4.771	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	106859	4.809	ug/L 95
18) trans-1,2-Dichloroethene	2.78	96	47539	5.033	ug/L 98
19) 1,1-Dichloroethane	3.21	63	97976	4.933	ug/L 97
21) 2-Butanone	4.01	43	101391	41.711	ug/L 99
22) cis-1,2-Dichloroethene	3.94	96	56471	4.747	ug/L # 97

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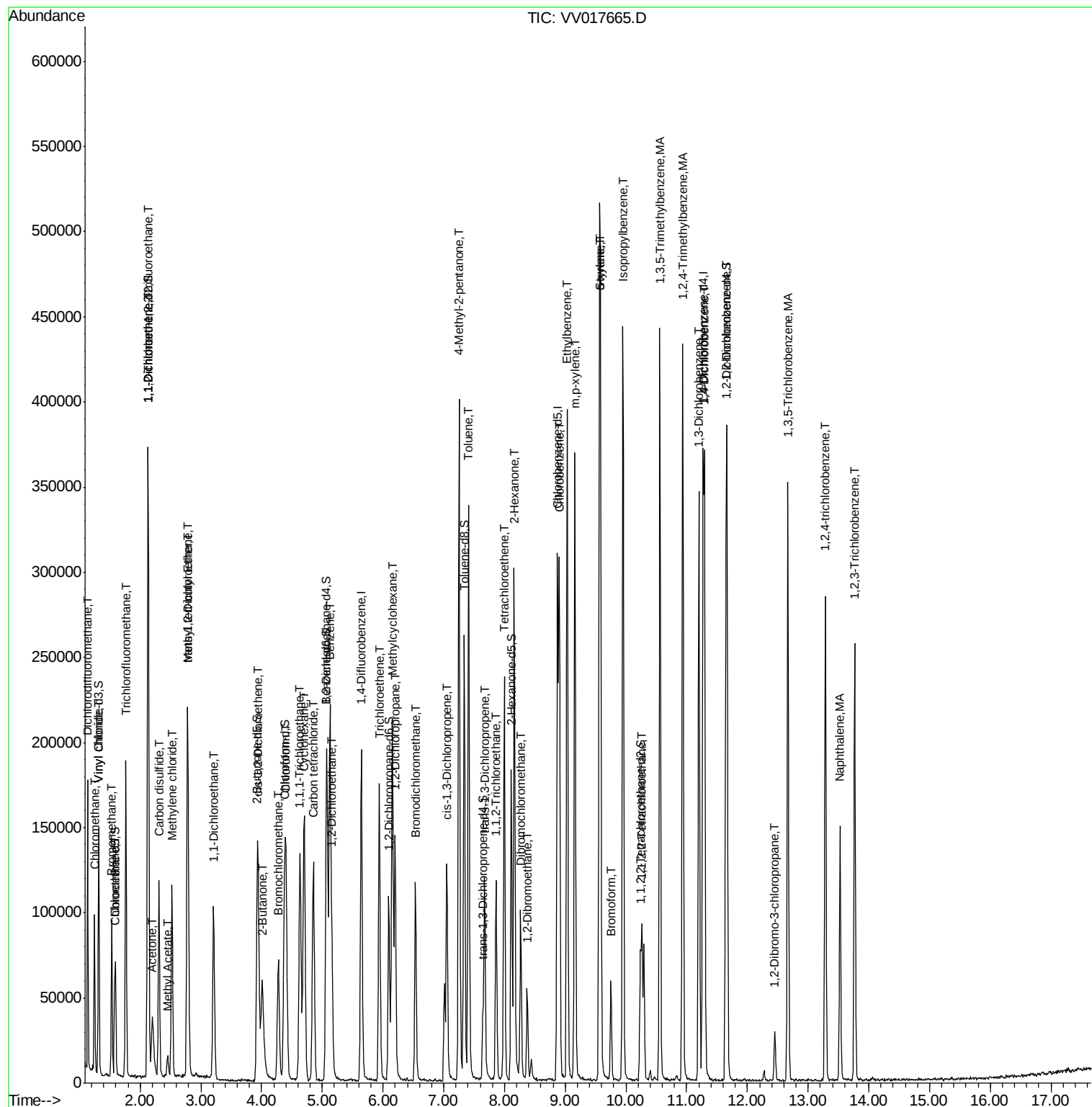
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	26391	4.815	ug/L	95
25) Chloroform	4.40	83	109983	4.933	ug/L	95
27) 1,2-Dichloroethane	5.16	62	69263	4.791	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	107533	4.989	ug/L	97
30) Cyclohexane	4.70	56	74996	4.391	ug/L	95
31) Carbon tetrachloride	4.85	117	96171	5.016	ug/L	99
33) Benzene	5.13	78	207605	4.761	ug/L	100
34) Trichloroethene	5.94	95	56845	4.667	ug/L	96
35) Methylcyclohexane	6.15	83	82129	4.457	ug/L	98
37) 1,2-Dichloropropane	6.20	63	47816	4.666	ug/L	99
38) Bromodichloromethane	6.53	83	73417	4.870	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	70687	4.573	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	243956	43.415	ug/L	98
42) Toluene	7.41	91	233761	4.914	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	225739	5.082	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	232136	5.115	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	61757	4.450	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	34190	4.399	ug/L	94
49) Tetrachloroethene	8.00	164	50603	4.712	ug/L	98
50) 2-Hexanone	8.16	43	177743	44.705	ug/L	98
51) Dibromochloromethane	8.27	129	47507	4.802	ug/L	97
52) 1,2-Dibromoethane	8.38	107	33997	4.635	ug/L	95
53) Chlorobenzene	8.90	112	151906	4.790	ug/L	99
54) Ethylbenzene	9.03	91	259630	4.875	ug/L	99
55) m,p-xylene	9.16	106	102256	5.098	ug/L	98
56) o-xylene	9.57	106	93729	4.815	ug/L	96
57) Styrene	9.58	104	165866	5.106	ug/L	100
58) Isopropylbenzene	9.95	105	264125	4.919	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	37153	4.387	ug/L	99
62) Bromoform	9.75	173	25544	4.664	ug/L #	97
63) 1,3-Dichlorobenzene	11.20	146	133610	4.849	ug/L	100
64) 1,4-Dichlorobenzene	11.30	146	130525	4.721	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	120934	4.819	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	7041	4.486	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	105861	4.730	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	86792	4.636	ug/L	99
70) Naphthalene	13.53	128	115655	4.431	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	74754	4.506	ug/L	98

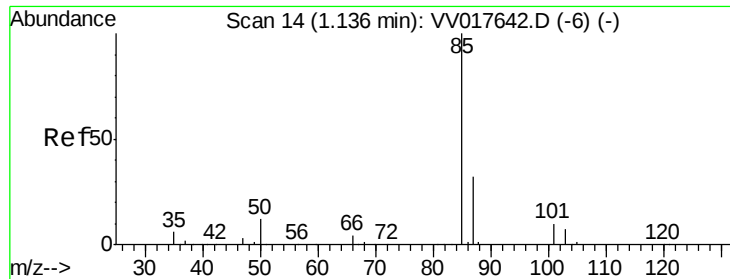
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.651 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

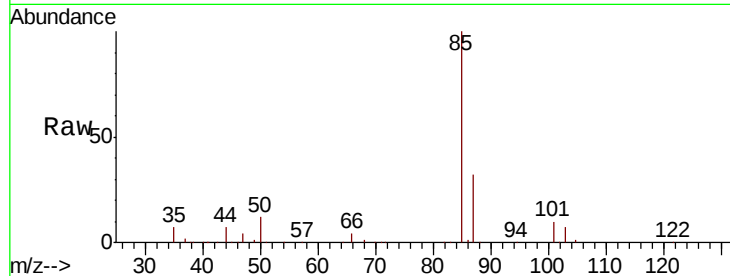
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 82041

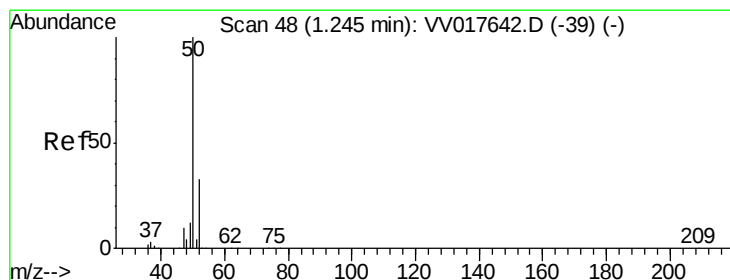
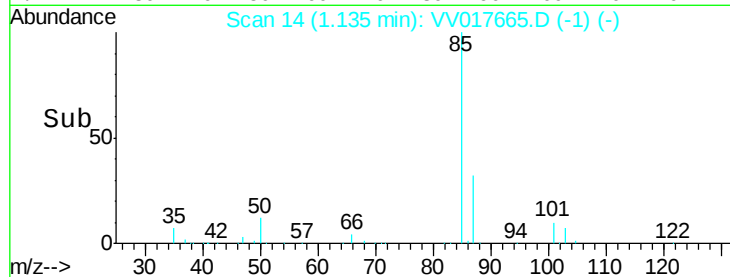
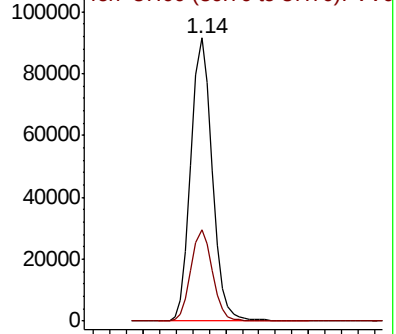
Ion Ratio Lower Upper

85 100

87 32.5 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV017665.D (-1) (-)



#3

Chloromethane

Concen: 4.610 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017665.D

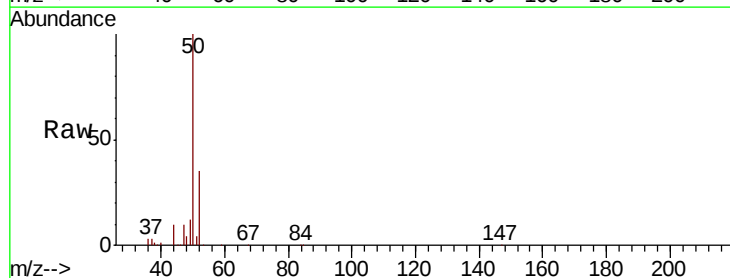
Acq: 24 Jul 2020 23:24

Tgt Ion: 50 Resp: 52910

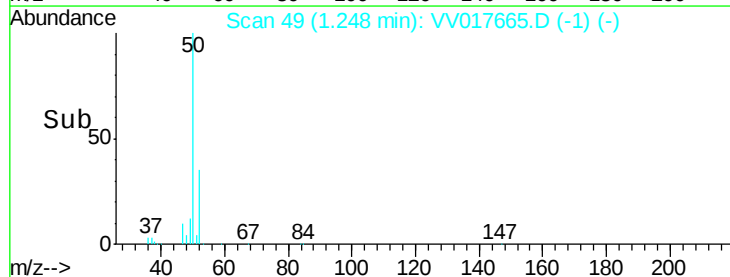
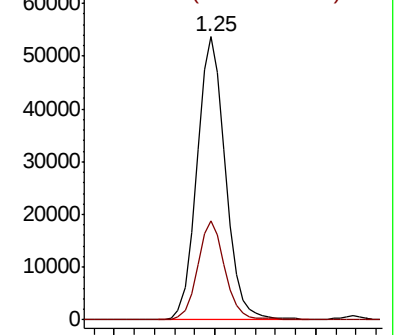
Ion Ratio Lower Upper

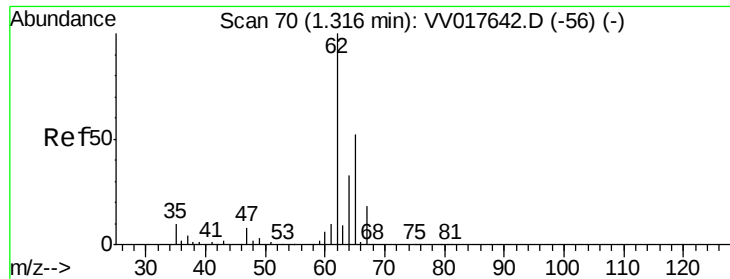
50 100

52 34.9 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV017665.D (-1) (-)





#5

Vinyl chloride

Concen: 4.724 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

Instrument :

MSVOA_V

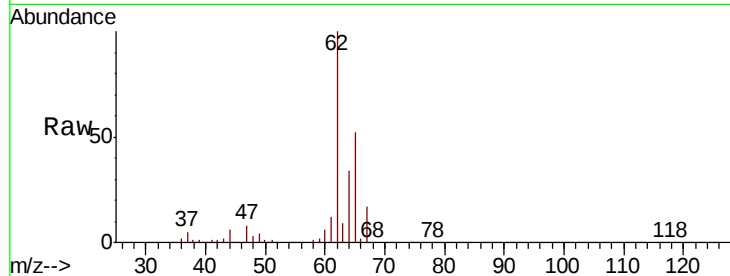
ClientSampled :

Tot Ion: 62 Resp: 54334

Ion Ratio Lower Upper

62 100

64 34.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

60000

50000

40000

30000

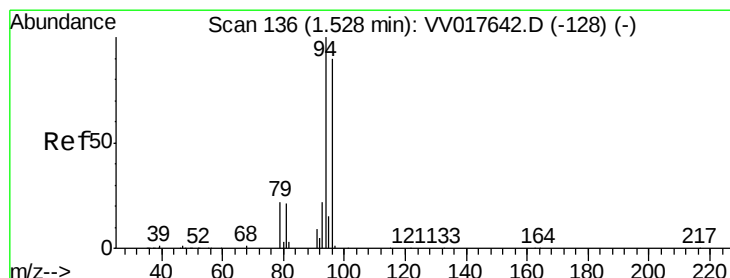
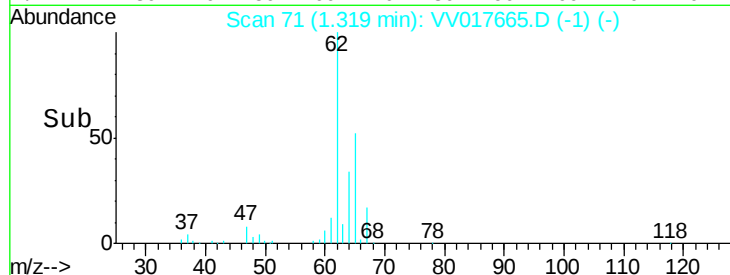
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.569 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017665.D

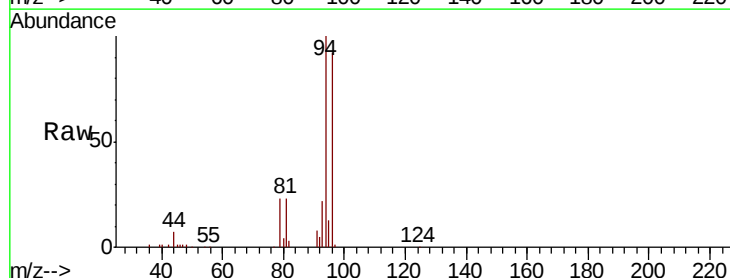
Acq: 24 Jul 2020 23:24

Tgt Ion: 94 Resp: 33773

Ion Ratio Lower Upper

94 100

96 91.6 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

30000

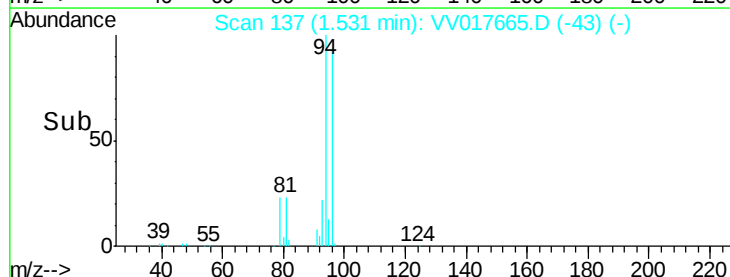
20000

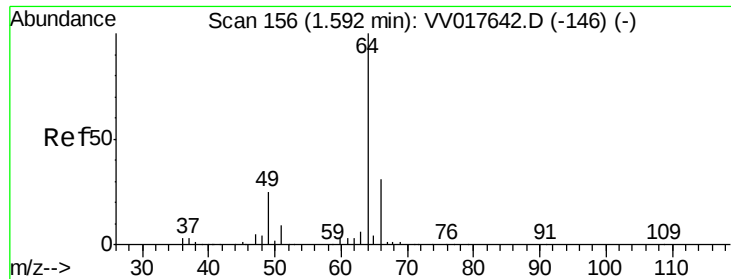
10000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 5.027 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

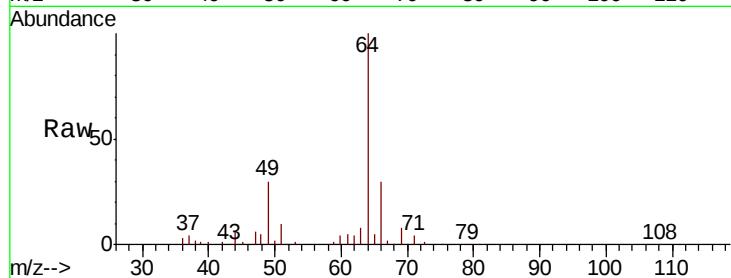
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 33375

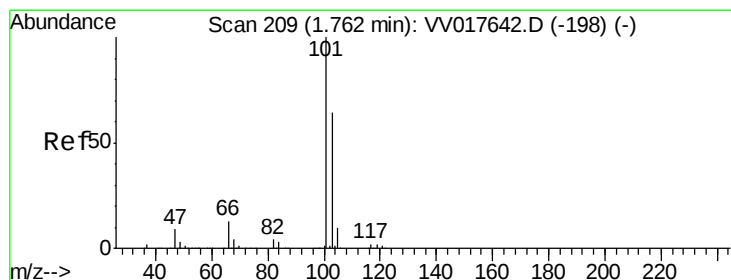
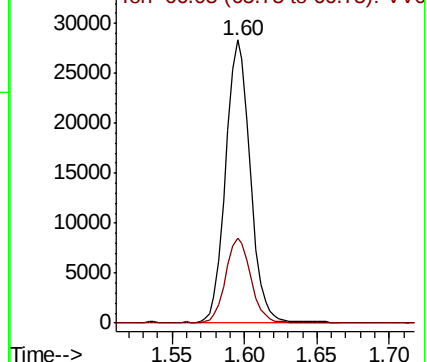
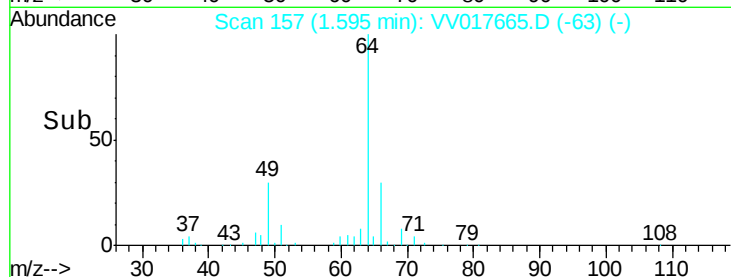
Ion Ratio Lower Upper

64 100

66 29.9 24.0 44.6



Abundance Ion 64.10 (63.80 to 64.80): VV017665.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 5.245 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017665.D

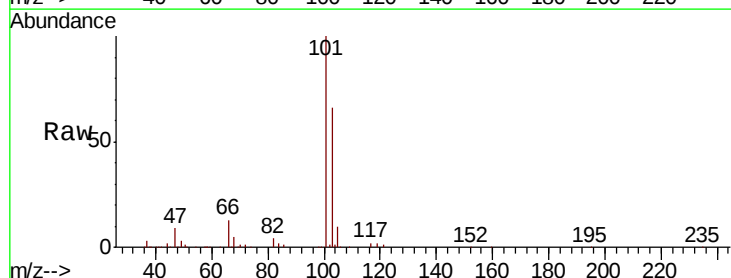
Acq: 24 Jul 2020 23:24

Tgt Ion:101 Resp: 107900

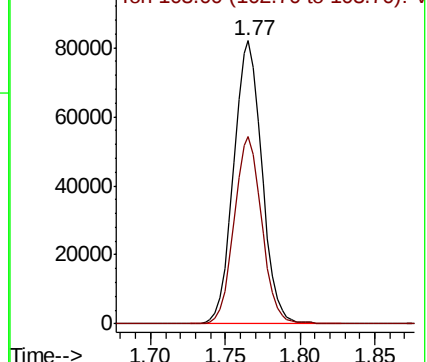
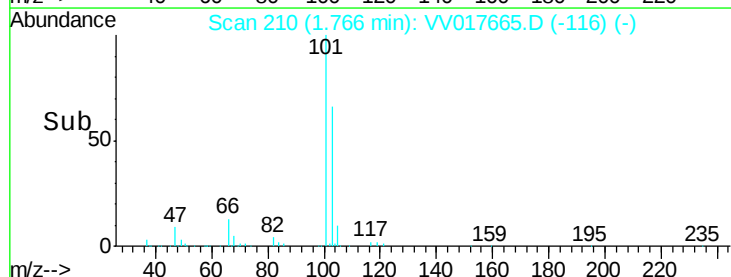
Ion Ratio Lower Upper

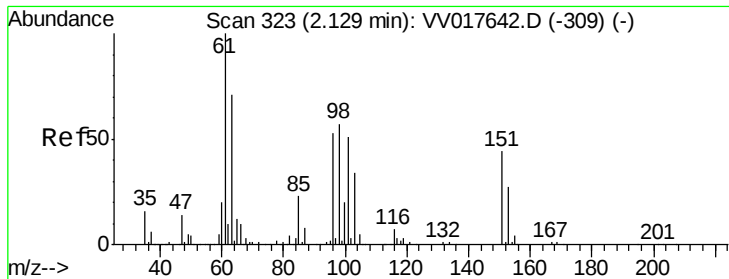
101 100

103 64.8 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV017665.D (-116) (-)





#10

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

Concen: 5.053 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

Instrument :

MSVOA_V

ClientSampleId :

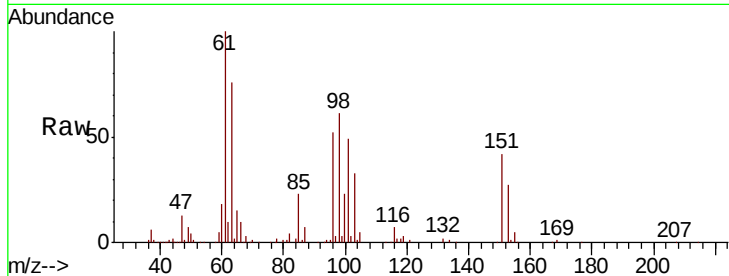
Tot Ion:101 Resp: 48549

Ion Ratio Lower Upper

101 100

85 45.6 34.6 51.8

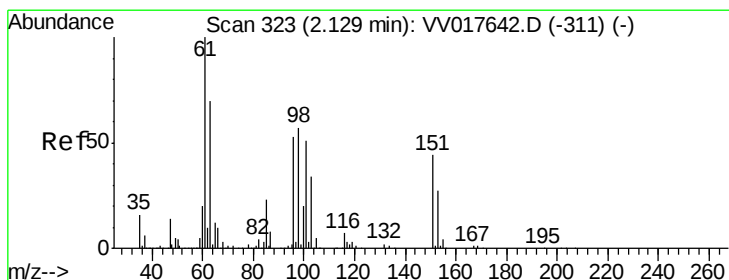
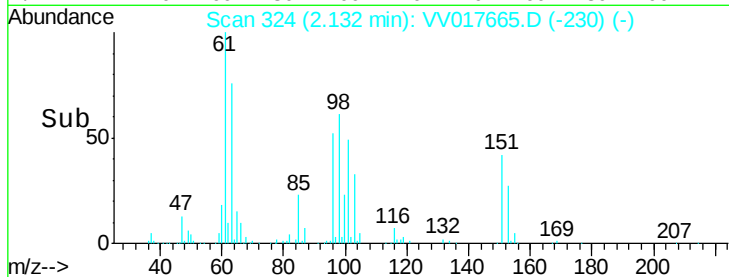
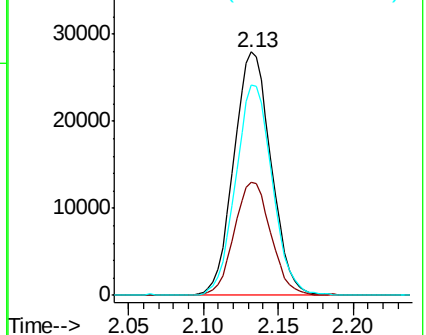
151 85.0 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): VV017665.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017665.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017665.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 5.063 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

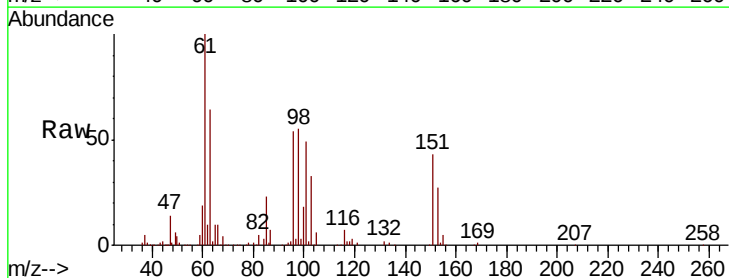
Tgt Ion: 96 Resp: 43890

Ion Ratio Lower Upper

96 100

61 184.8 123.1 228.7

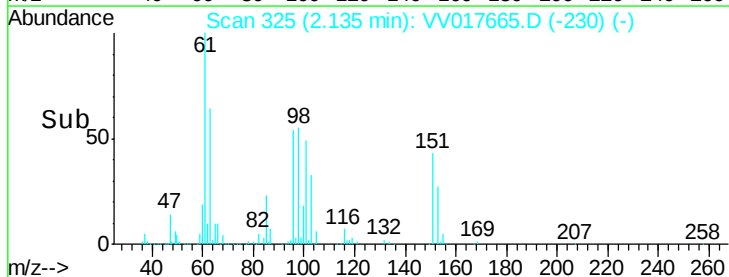
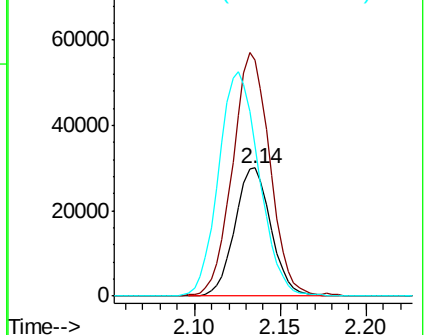
63 117.7 91.2 169.4

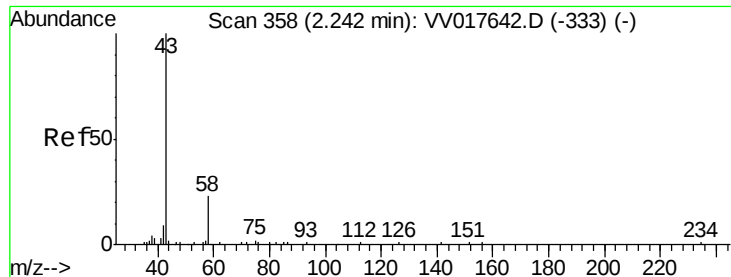


Abundance Ion 96.00 (95.70 to 96.70): VV017665.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV017665.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017665.D (-230) (-)





#13

Acetone

Concen: 42.954 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.04 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

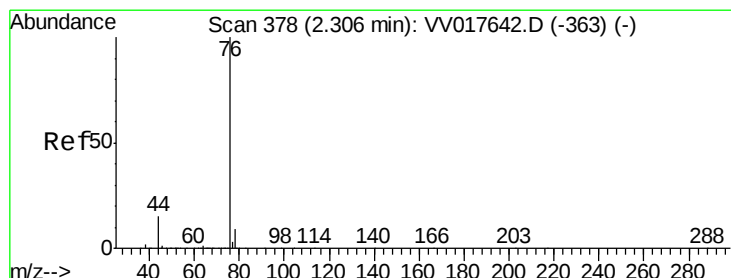
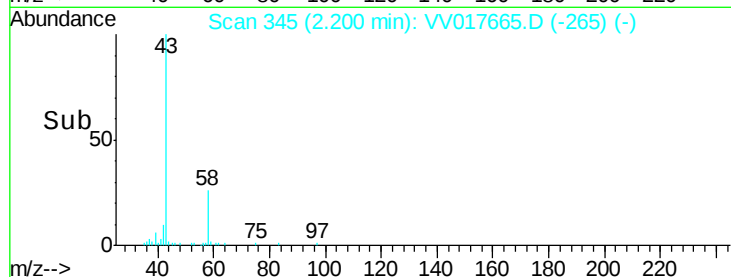
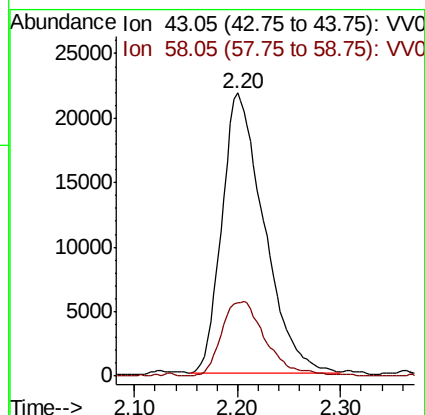
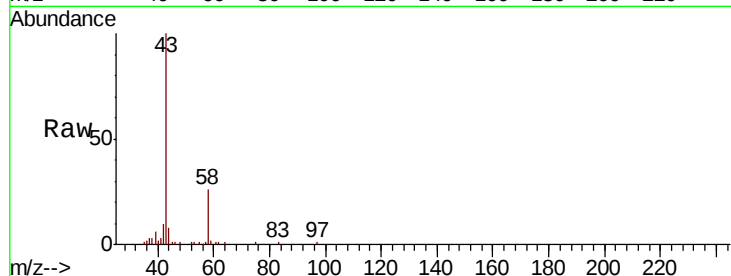
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 61835

Ion Ratio Lower Upper

43 100

58 28.0 0.0 18.6#



#14

Carbon disulfide

Concen: 4.922 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017665.D

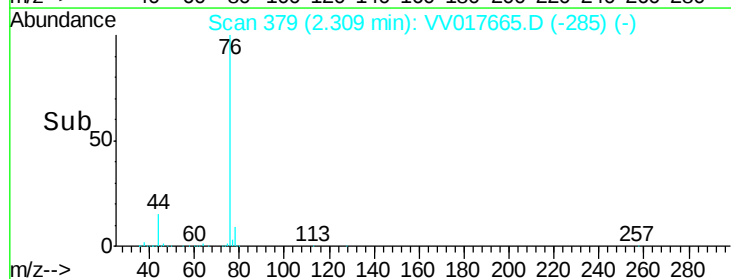
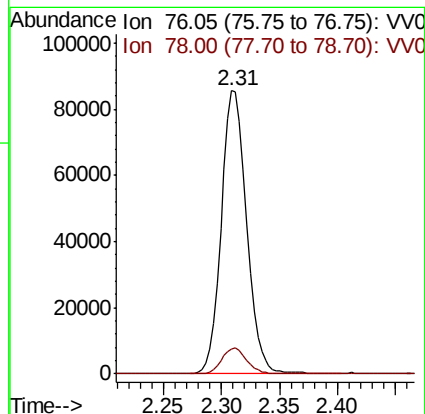
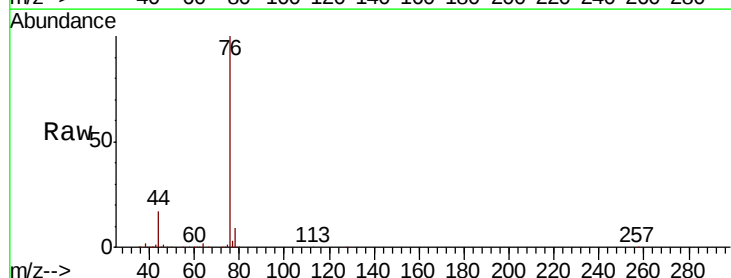
Acq: 24 Jul 2020 23:24

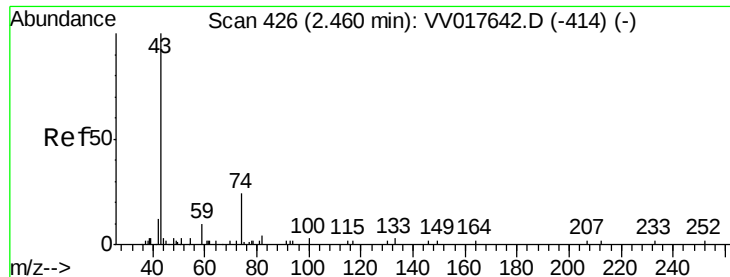
Tgt Ion: 76 Resp: 129704

Ion Ratio Lower Upper

76 100

78 9.0 6.6 10.0





#15

Methvl Acetate

Concen: 5.308 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.01 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

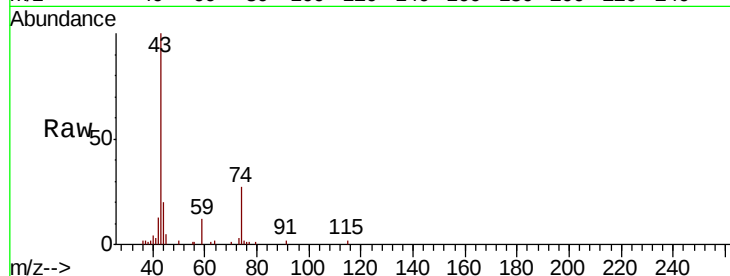
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 14870

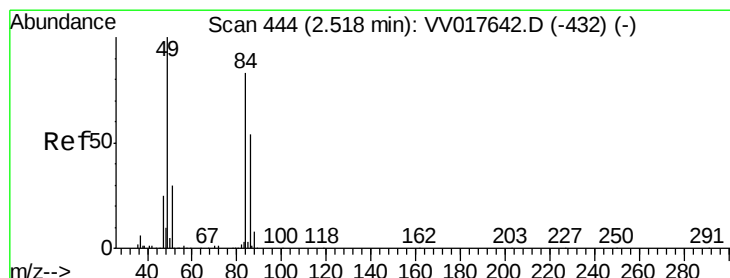
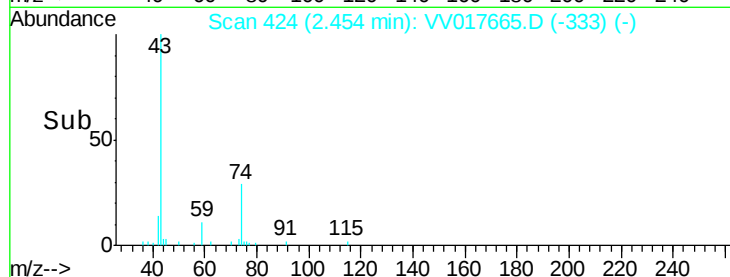
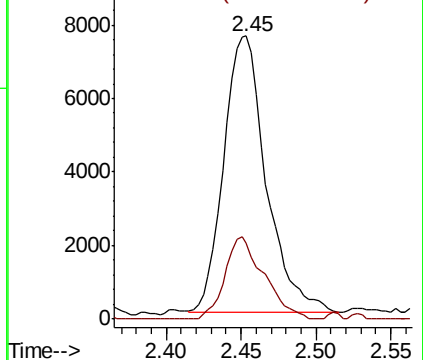
Ion Ratio Lower Upper

43 100

74 27.3 26.6 40.0



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.771 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.01 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

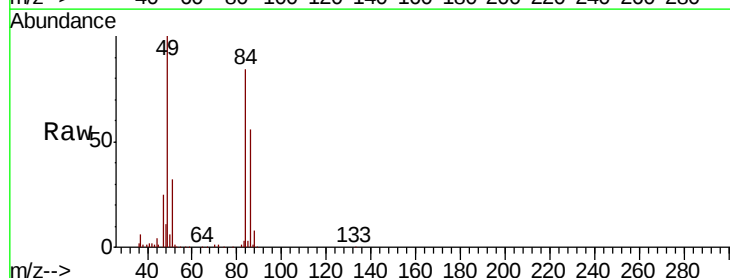
Tgt Ion: 84 Resp: 46023

Ion Ratio Lower Upper

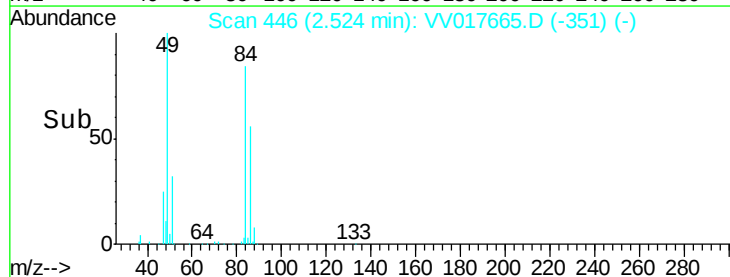
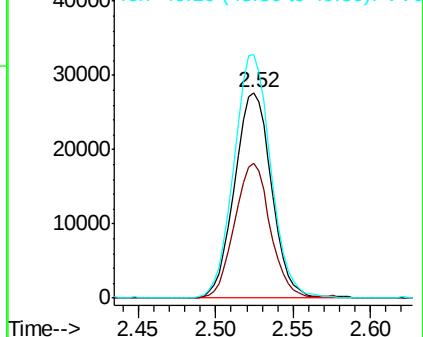
84 100

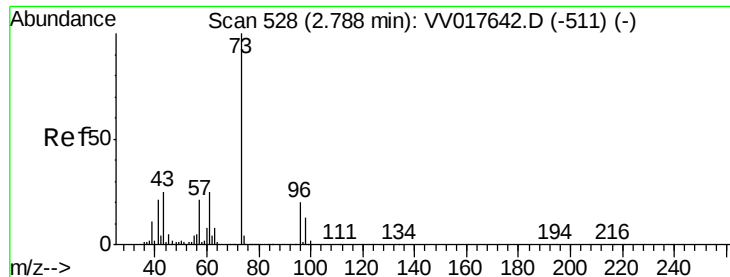
86 65.8 46.5 86.3

49 118.5 79.2 147.2



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

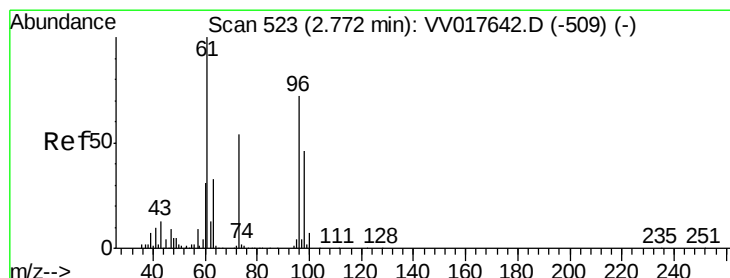
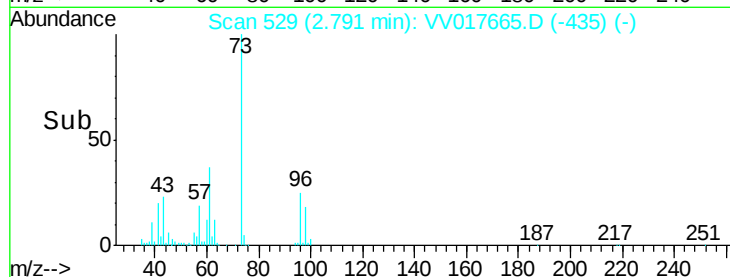
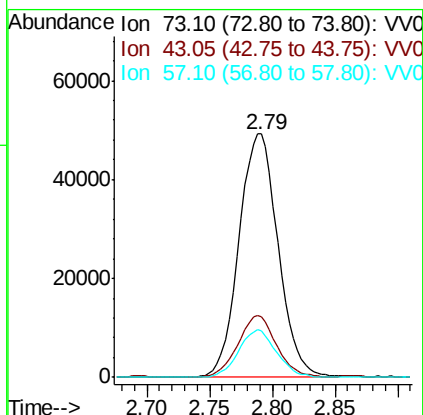
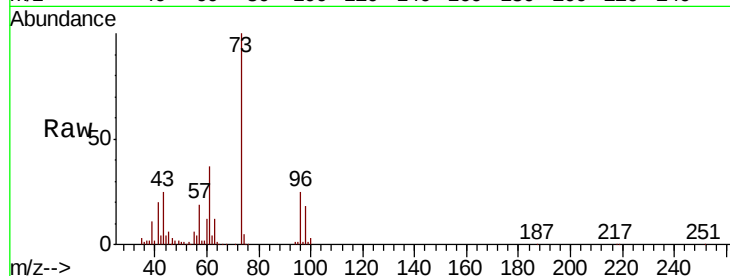




#17
Methvl tert-butvl Ether
Concen: 4.809 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

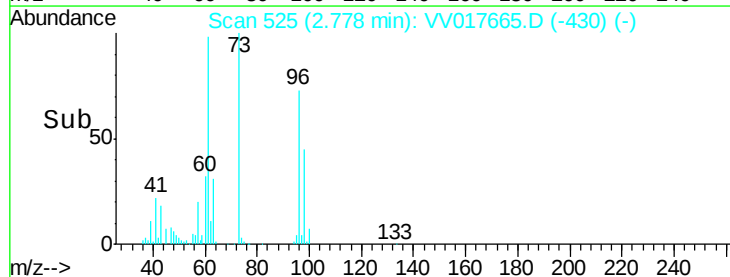
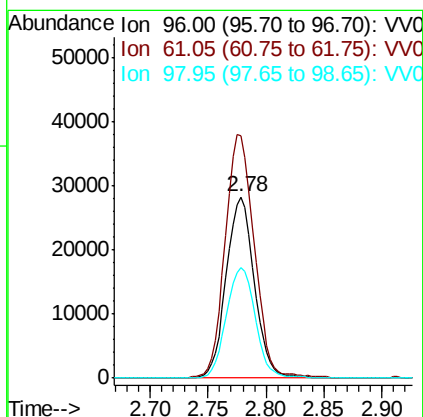
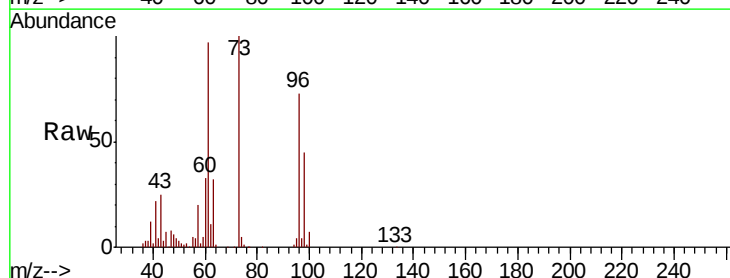
Instrument :
MSVOA_V
ClientSampleId :

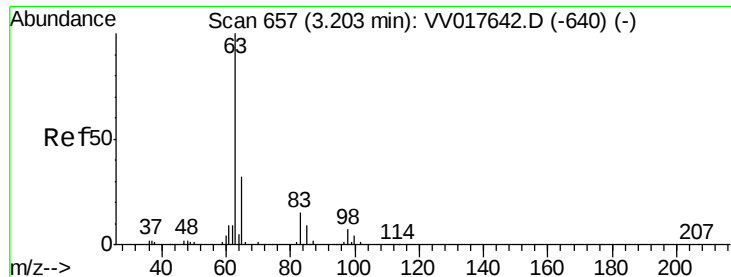
Tot Ion: 73 Resp: 106859
Ion Ratio Lower Upper
73 100
43 25.2 18.3 27.5
57 18.9 16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 5.033 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.01 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

Tgt Ion: 96 Resp: 47539
Ion Ratio Lower Upper
96 100
61 134.0 96.0 178.4
98 61.3 43.5 80.9





#19

1,1-Dichloroethane

Concen: 4.933 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.01 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

Instrument :
MSVOA_V
ClientSampleId :

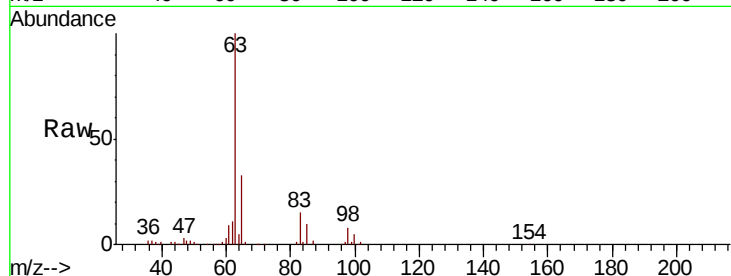
Tot Ion: 63 Resp: 97976

Ion Ratio Lower Upper

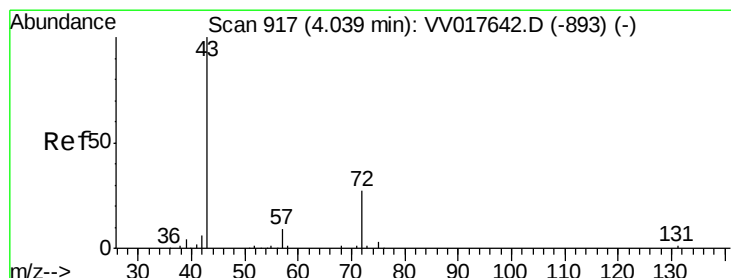
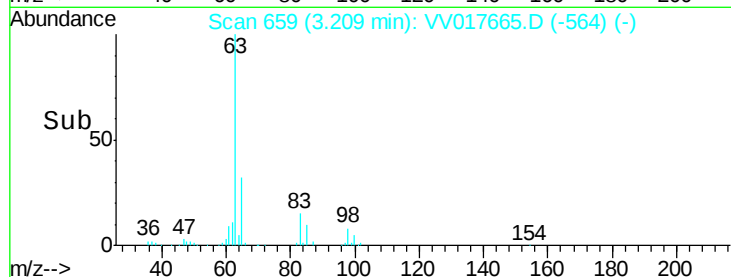
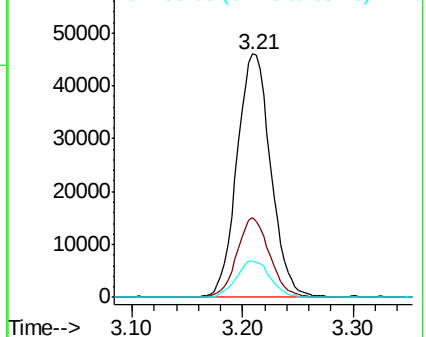
63 100

65 32.6 21.4 39.8

83 14.8 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 41.711 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.03 min

Lab File: VV017665.D

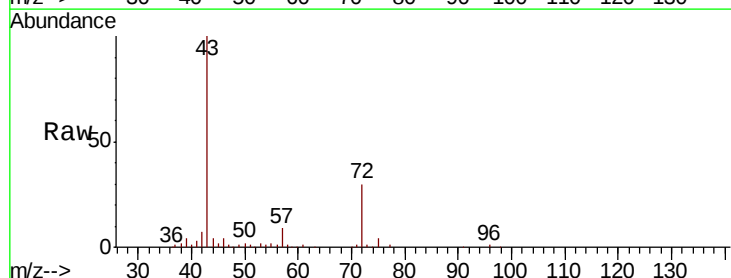
Acq: 24 Jul 2020 23:24

Tgt Ion: 43 Resp: 101391

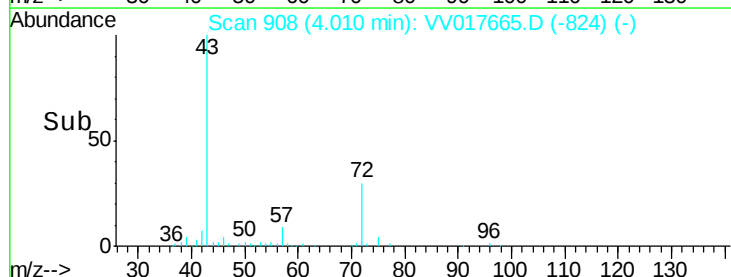
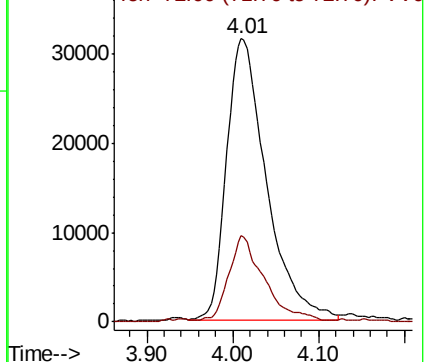
Ion Ratio Lower Upper

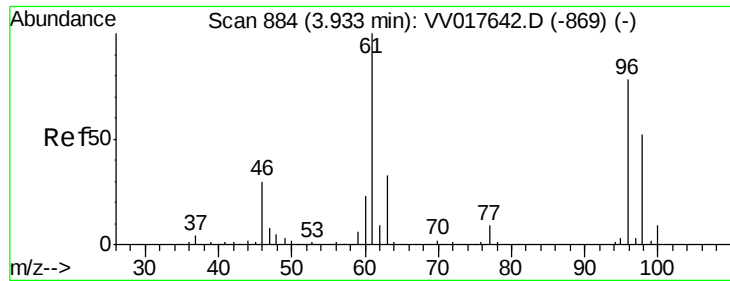
43 100

72 26.5 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



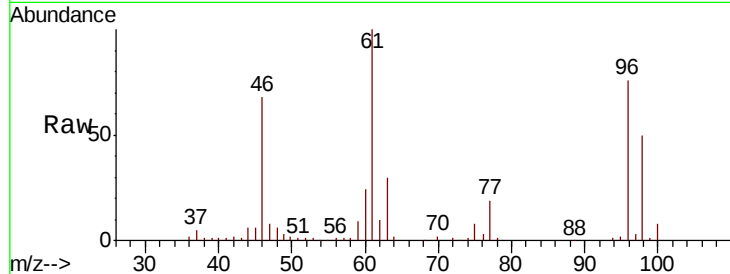


#22

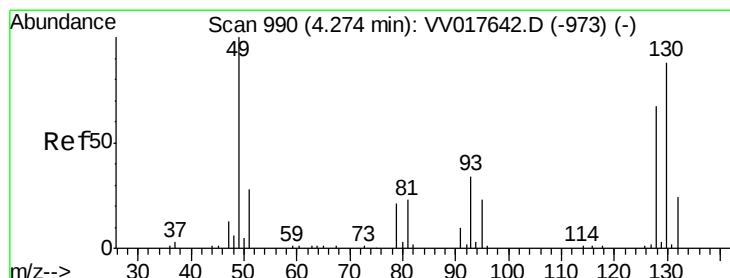
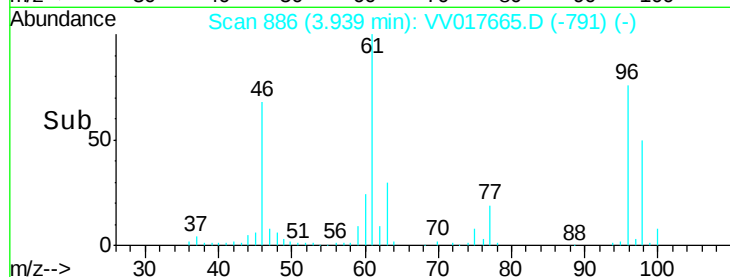
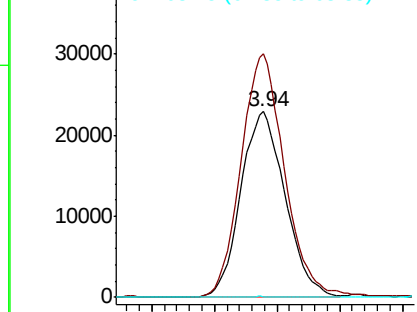
cis-1,2-Dichloroethene
Concen: 4.747 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.01 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 56471
Ion Ratio Lower Upper
96 100
61 131.1 89.6 166.4
68 0.5 0.0 0.0#



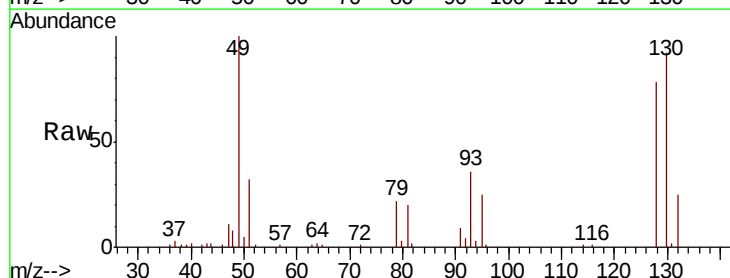
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



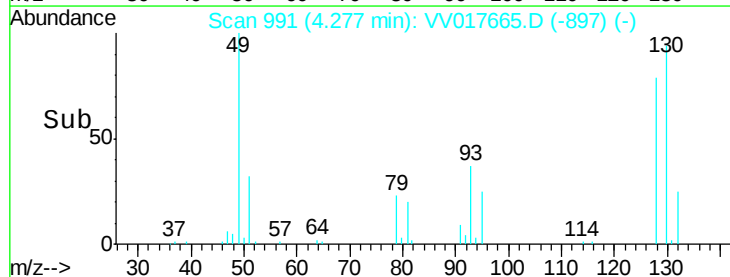
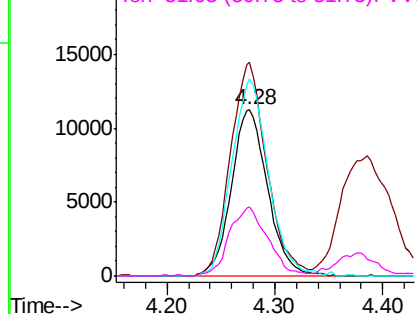
#23

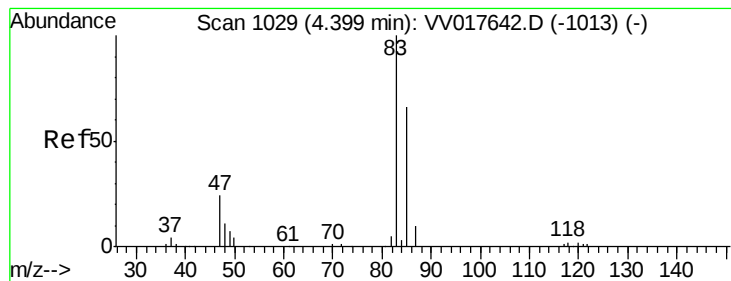
Bromochloromethane
Concen: 4.815 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

Tgt Ion: 128 Resp: 26391
Ion Ratio Lower Upper
128 100
49 128.4 92.2 171.2
130 118.7 77.2 143.4
51 41.6 33.8 50.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 4.933 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

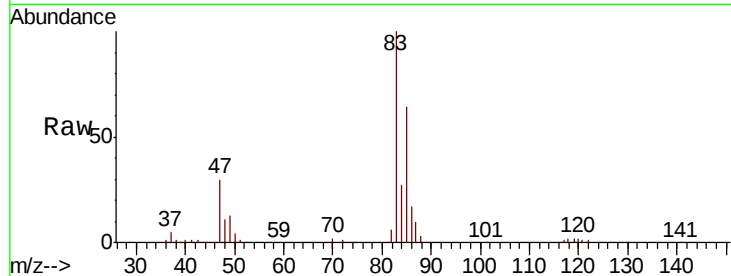
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 109983

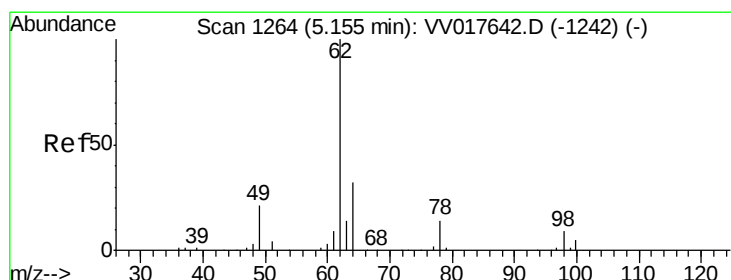
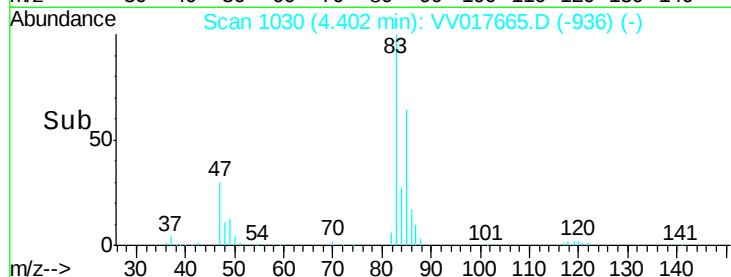
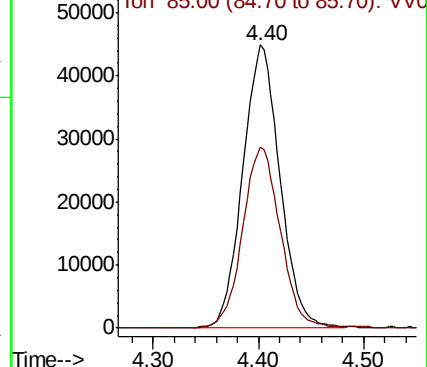
Ion Ratio Lower Upper

83 100

85 63.9 47.3 87.9



Abundance Ion 83.05 (82.75 to 83.75): VV017665.D (-936) (-)



#27

1,2-Dichloroethane

Concen: 4.791 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV017665.D

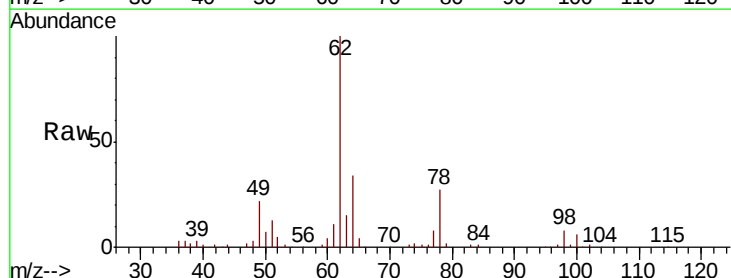
Acq: 24 Jul 2020 23:24

Tgt Ion: 62 Resp: 69263

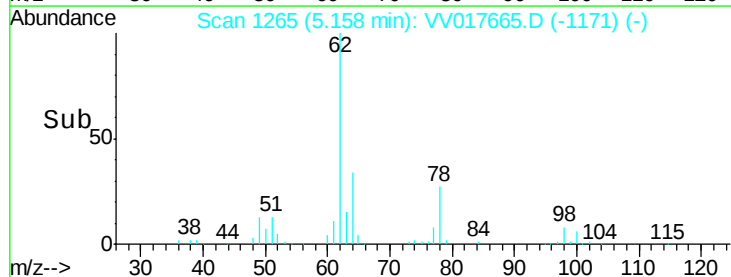
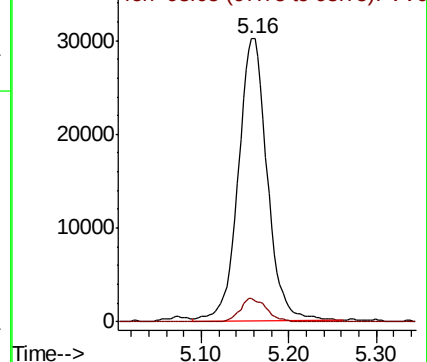
Ion Ratio Lower Upper

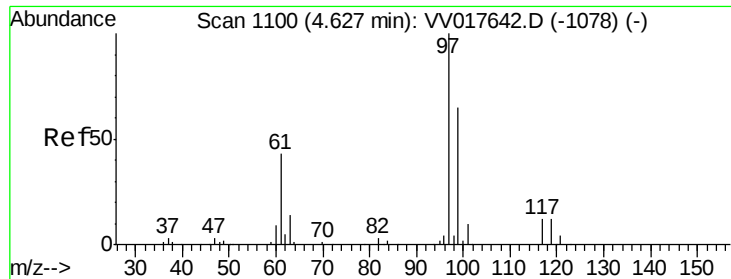
62 100

98 8.3 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VV017665.D (-1171) (-)

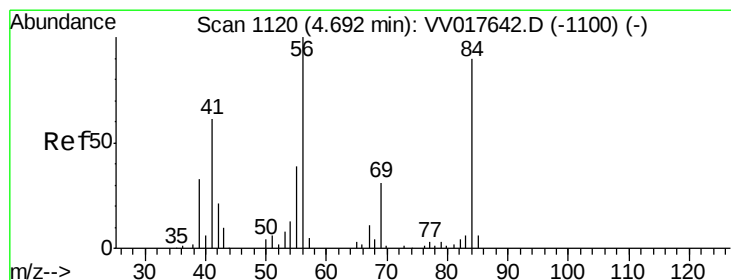
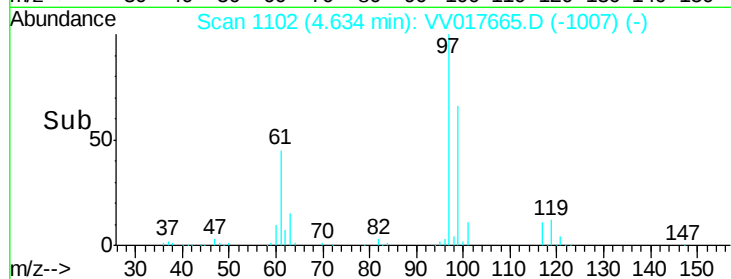
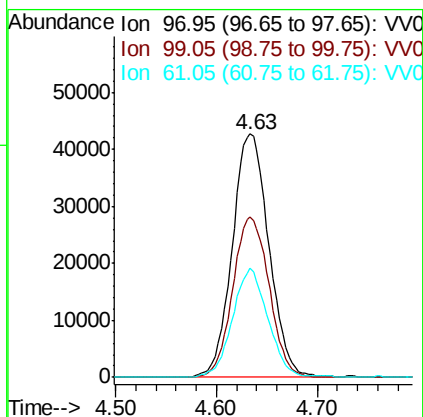
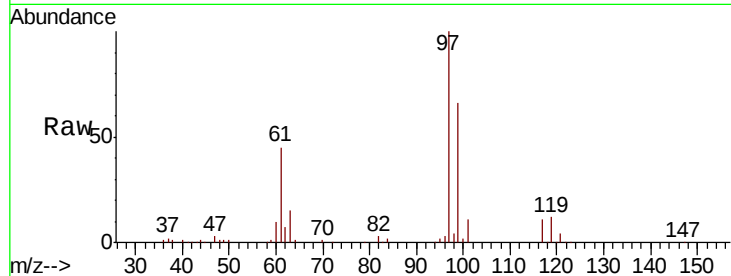




#29
 1,1,1-Trichloroethane
 Concen: 4.989 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.01 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

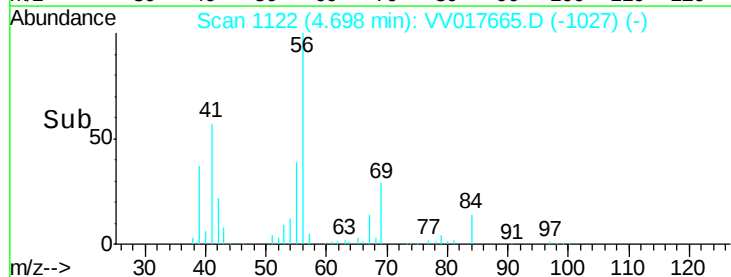
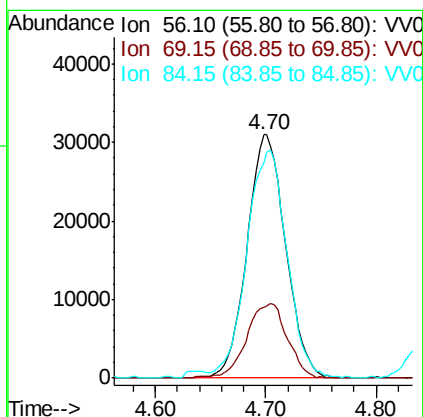
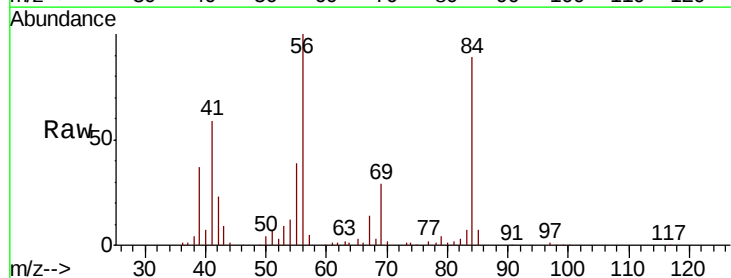
Instrument :
 MSVOA_V
 ClientSampled :

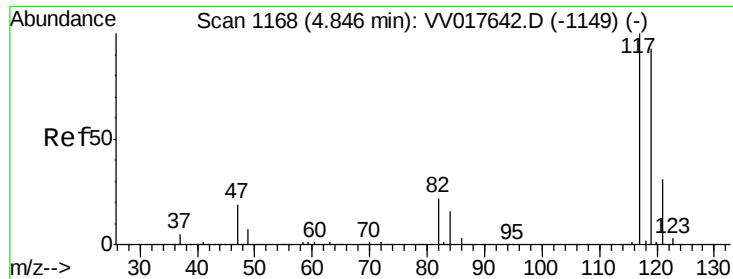
Tot Ion: 97 Resp: 107533
 Ion Ratio Lower Upper
 97 100
 99 65.5 50.6 76.0
 61 43.3 35.7 53.5



#30
 Cyclohexane
 Concen: 4.391 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. 0.01 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

Tgt Ion: 56 Resp: 74996
 Ion Ratio Lower Upper
 56 100
 69 32.4 25.4 38.2
 84 97.0 73.0 109.4





#31

Carbon tetrachloride

Concen: 5.016 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.01 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

Instrument :

MSVOA_V

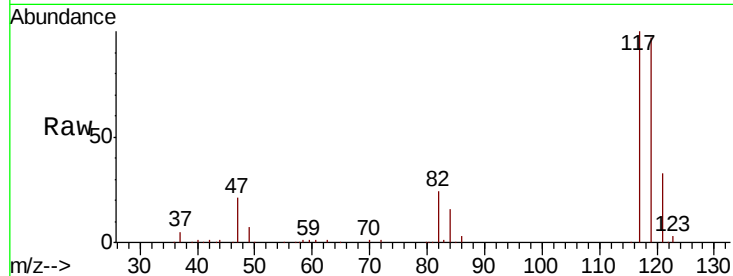
ClientSampleId :

Tot Ion:117 Resp: 96171

Ion Ratio Lower Upper

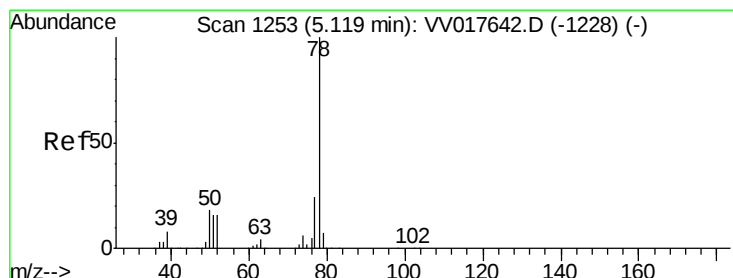
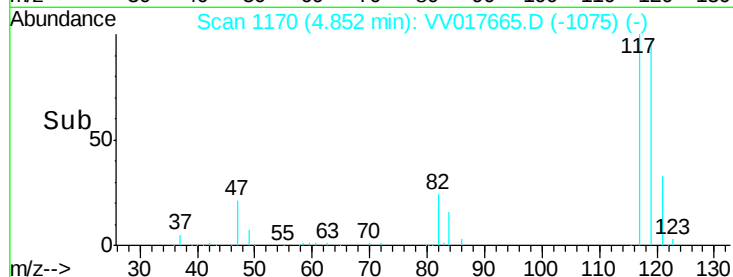
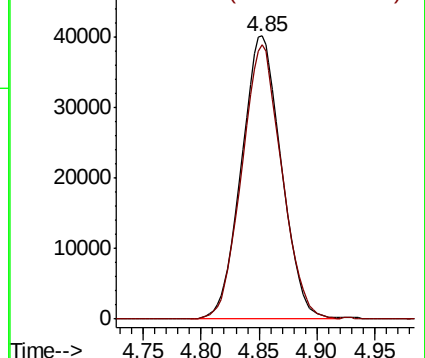
117 100

119 96.7 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.761 ug/L

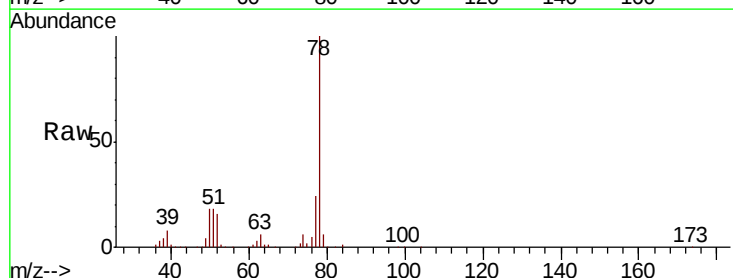
RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

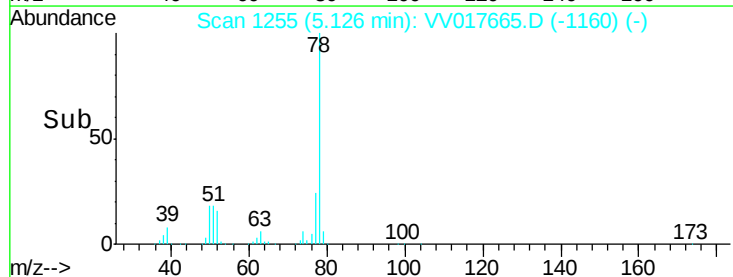
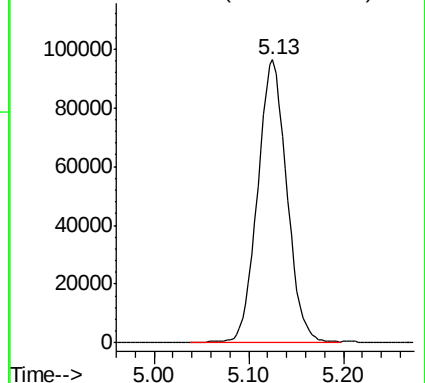
Lab File: VV017665.D

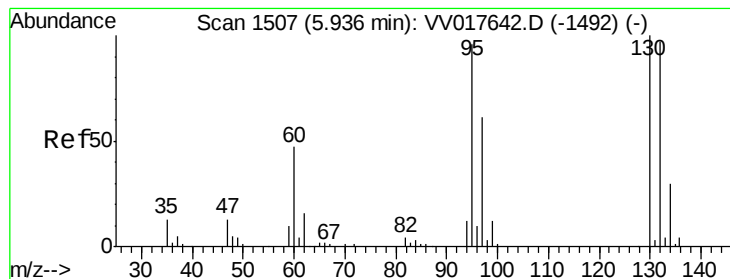
Acq: 24 Jul 2020 23:24

Tgt Ion: 78 Resp: 207605



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.667 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 56845

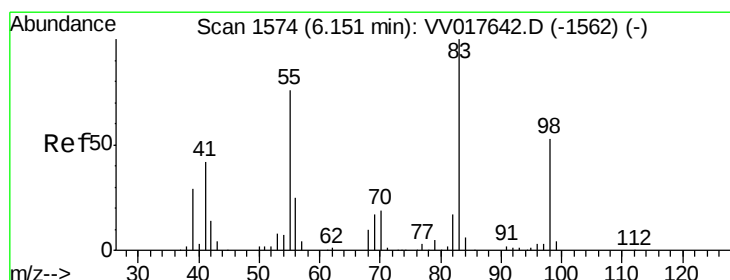
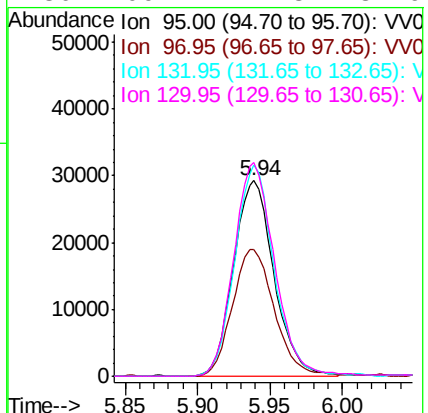
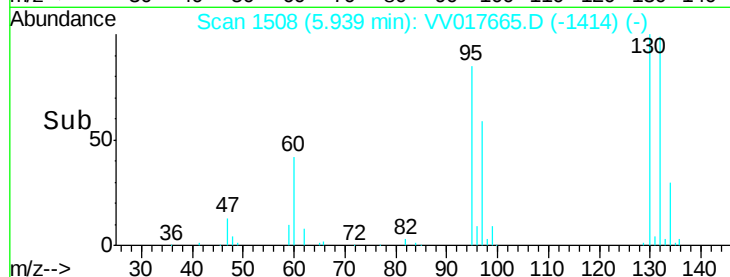
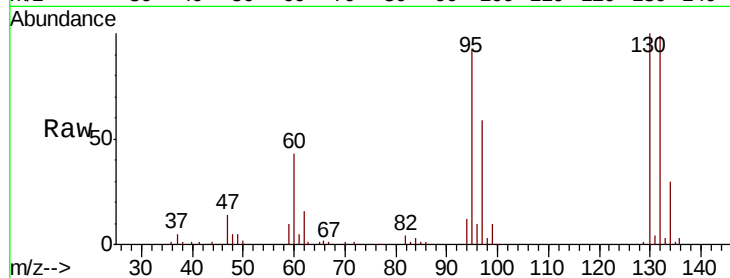
Ion Ratio Lower Upper

95 100

97 64.5 46.1 85.5

132 107.9 71.7 133.1

130 109.1 74.3 137.9



#35

Methylcyclohexane

Concen: 4.457 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

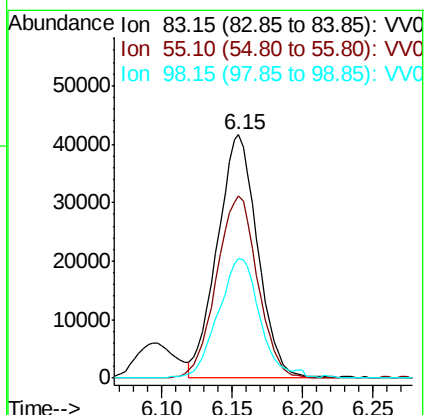
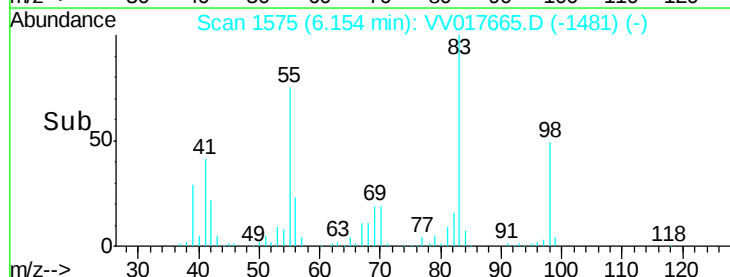
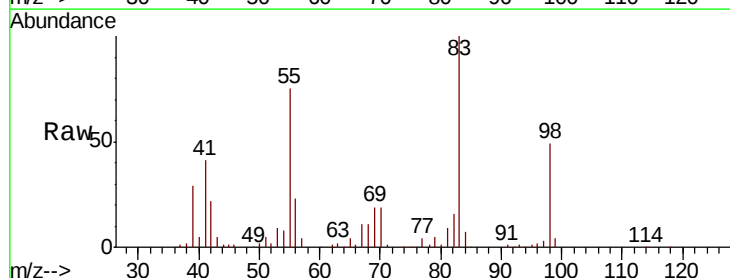
Tgt Ion: 83 Resp: 82129

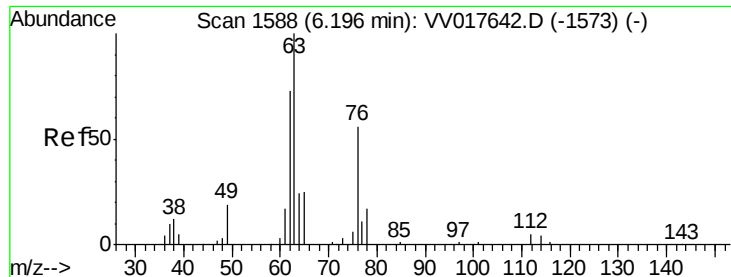
Ion Ratio Lower Upper

83 100

55 76.9 61.8 92.8

98 51.4 39.0 58.6

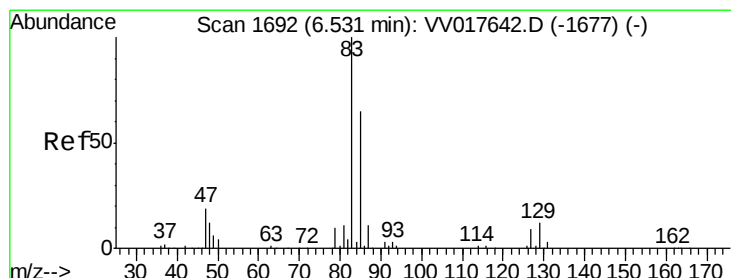
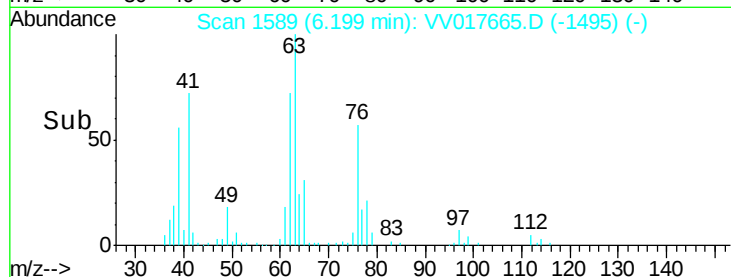
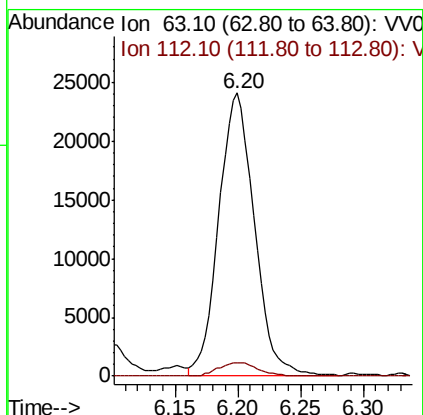
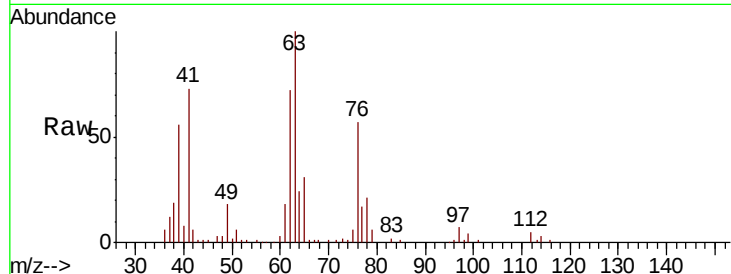




#37
 1,2-Dichloropropane
 Concen: 4.666 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

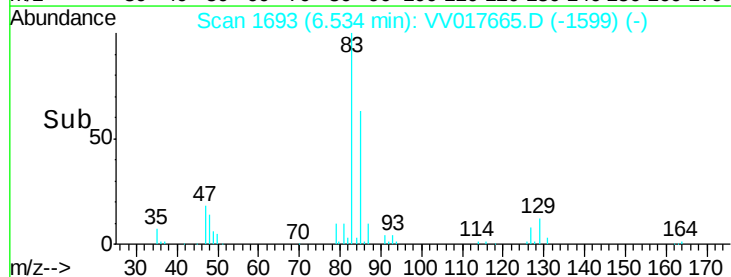
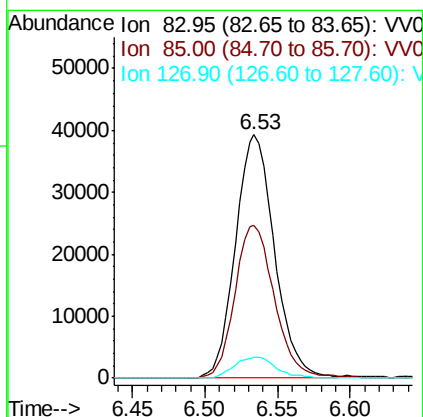
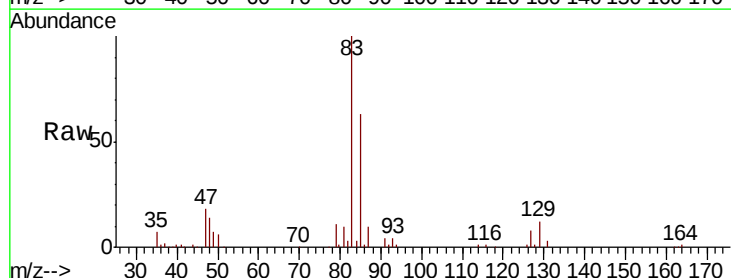
Instrument :
 MSVOA_V
 ClientSampleId :

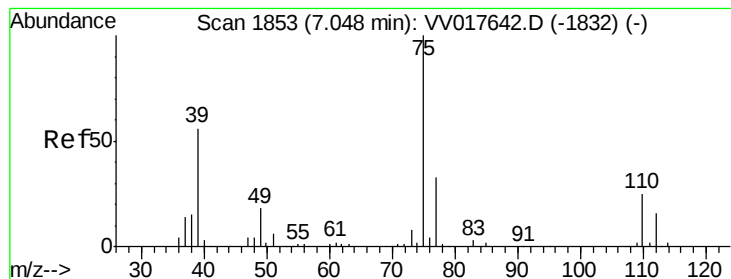
Tot Ion: 63 Resp: 47816
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.5 6.7



#38
 Bromodichloromethane
 Concen: 4.870 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

Tgt Ion: 83 Resp: 73417
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.7 83.1
 127 8.4 7.4 11.0



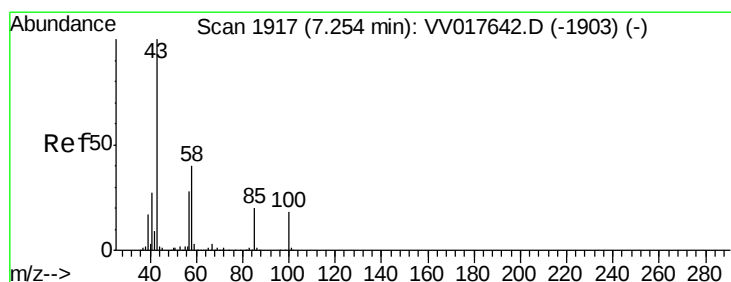
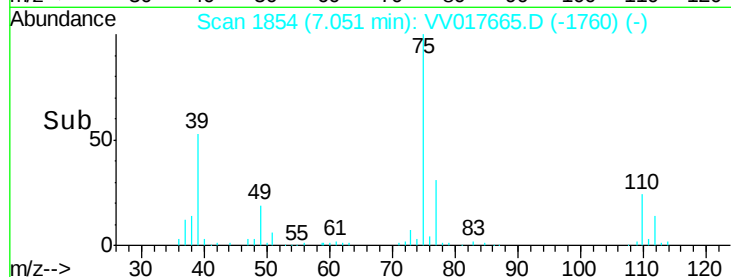
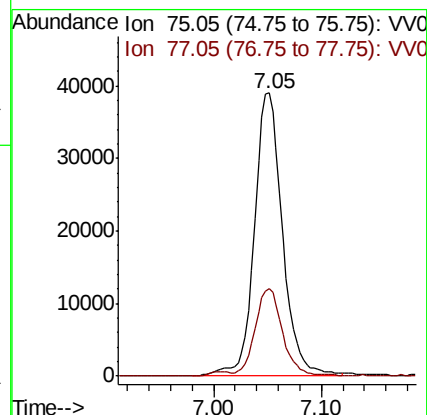
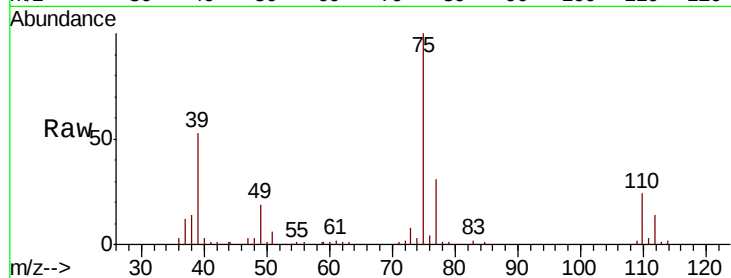


#39

cis-1,3-Dichloropropene
 Concen: 4.573 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

Instrument :
 MSVOA_V
 ClientSampleId :

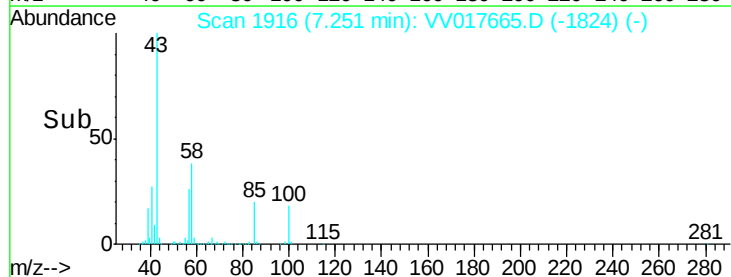
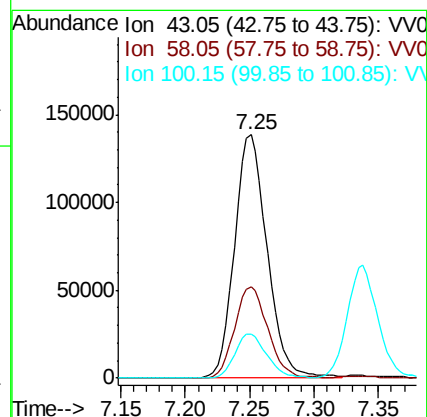
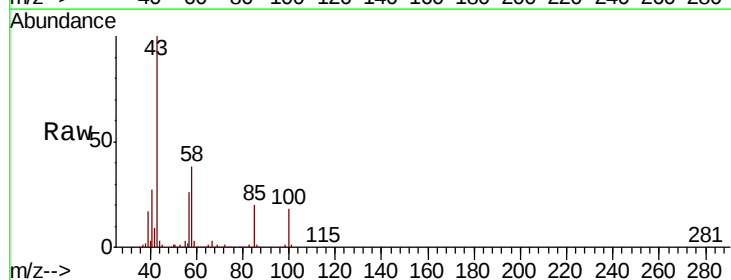
Tot Ion: 75 Resp: 70687
 Ion Ratio Lower Upper
 75 100
 77 30.8 23.2 43.2

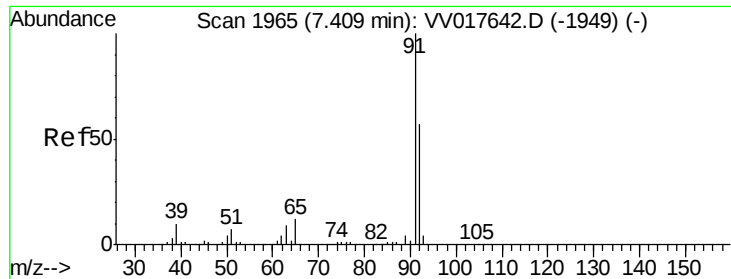


#40

4-Methyl-2-pentanone
 Concen: 43.415 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

Tgt Ion: 43 Resp: 243956
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.2 46.8
 100 17.9 13.6 20.4





#42

Toluene

Concen: 4.914 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

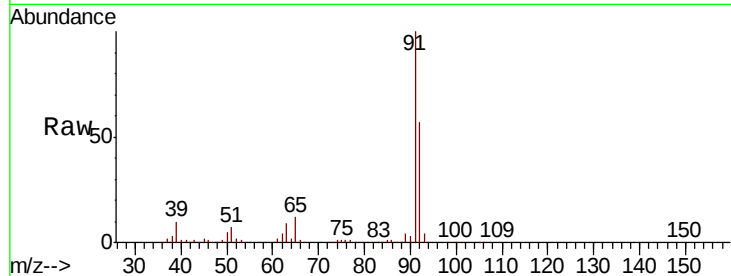
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 233761

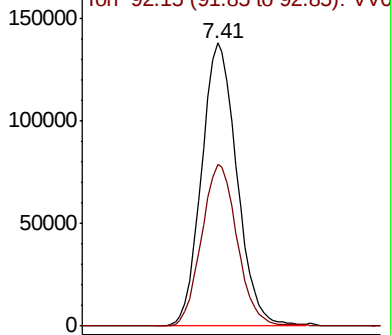
Ion Ratio Lower Upper

91 100

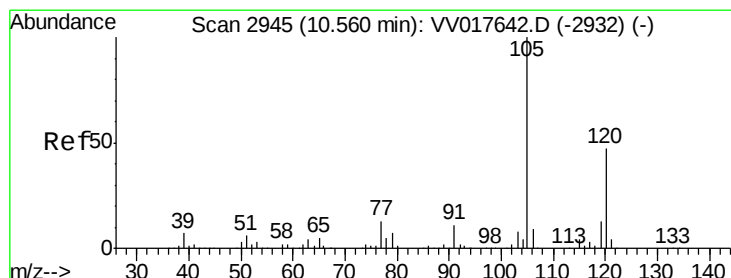
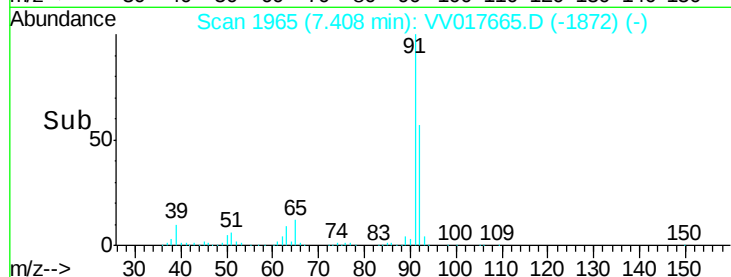
92 57.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017642.D (-1949) (-)



Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.082 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017665.D

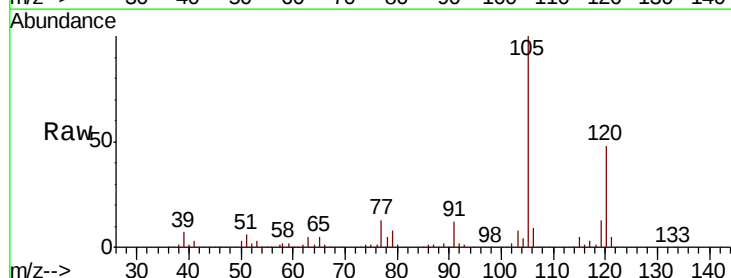
Acq: 24 Jul 2020 23:24

Tgt Ion: 105 Resp: 225739

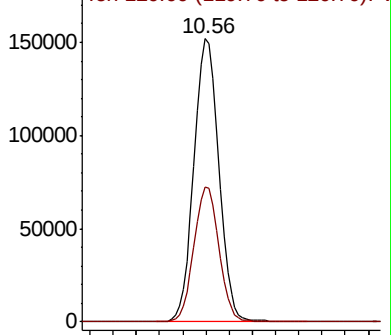
Ion Ratio Lower Upper

105 100

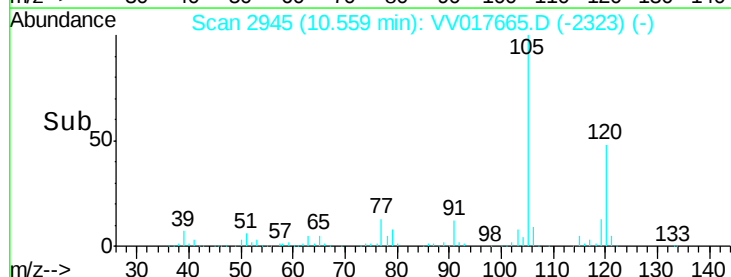
120 47.8 39.4 59.2

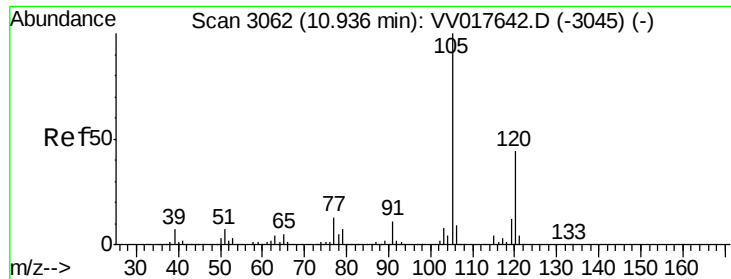


Abundance Ion 105.00 (104.70 to 105.70): VV017642.D (-2932) (-)



Time-->

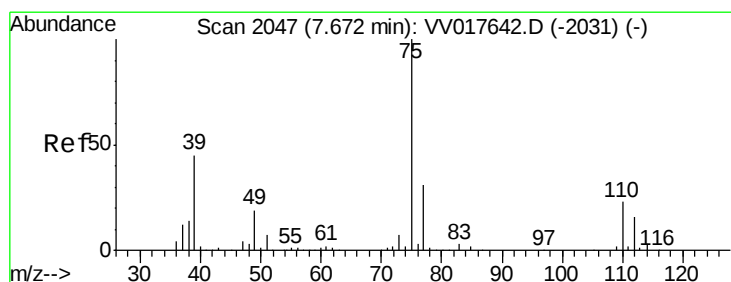
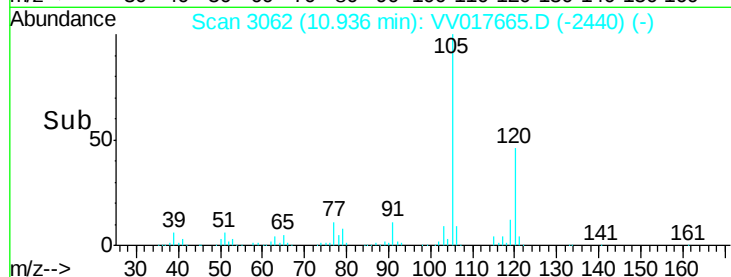
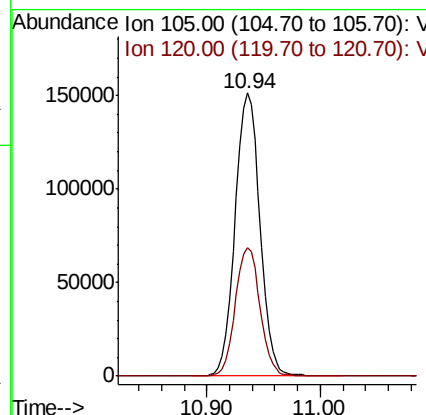
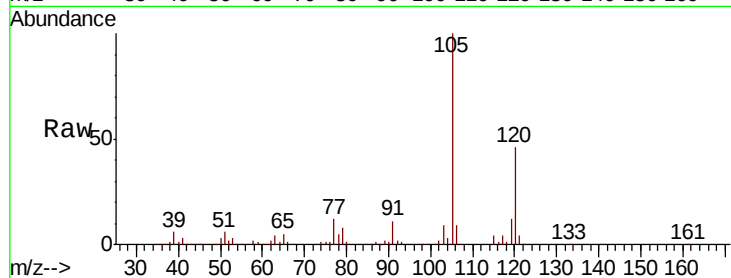




#44
 1,2,4-Trimethylbenzene
 Concen: 5.115 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

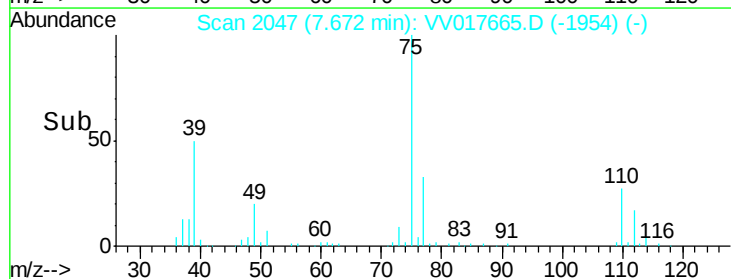
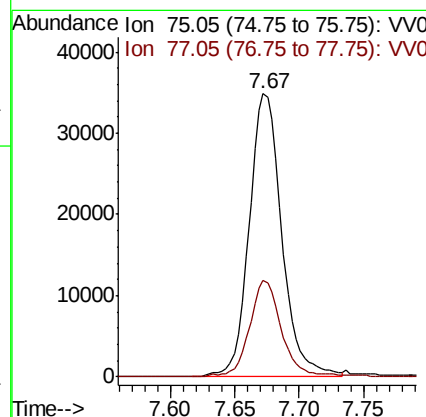
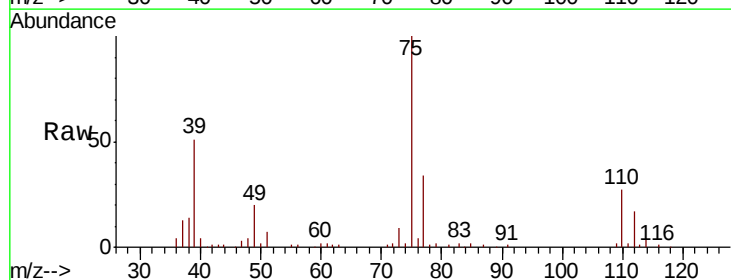
Instrument :
 MSVOA_V
 ClientSampleId :

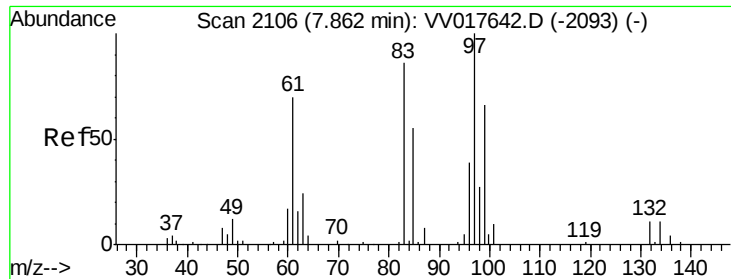
Tot Ion:105 Resp: 232136
 Ion Ratio Lower Upper
 105 100
 120 45.1 35.9 53.9



#46
 trans-1,3-Dichloropropene
 Concen: 4.450 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

Tgt Ion: 75 Resp: 61757
 Ion Ratio Lower Upper
 75 100
 77 33.9 22.5 41.7

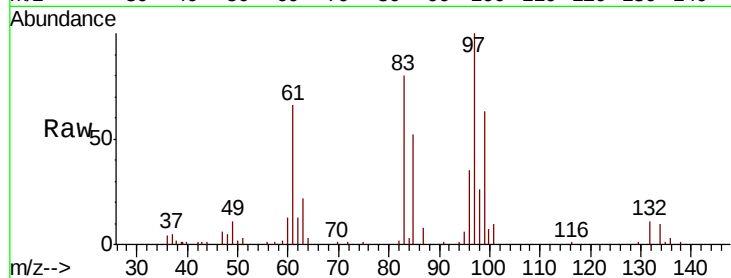




#47
 1,1,2-Trichloroethane
 Concen: 4.399 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	34190
Ion	Ratio	Lower	Upper
97	100		
99	63.3	39.5	73.4
83	80.4	52.6	97.6
85	52.5	35.1	65.1



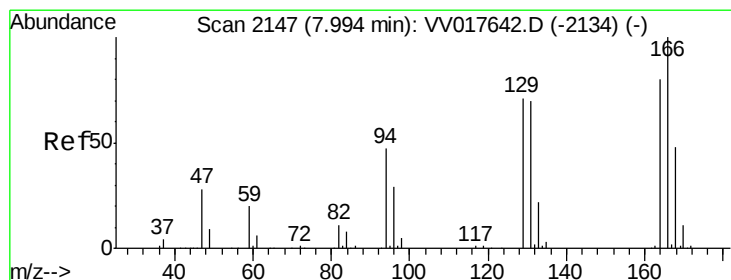
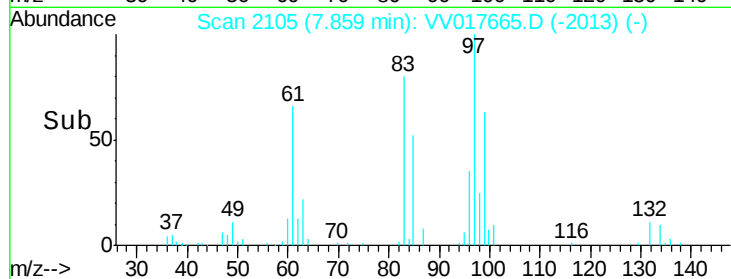
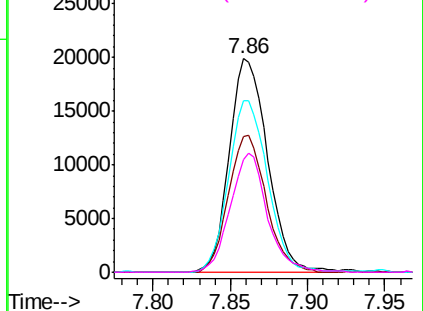
Abundance

Ion 96.95 (96.65 to 97.65): VV017665.D (-2013) (-)

Ion 99.05 (98.75 to 99.75): VV017665.D (-2013) (-)

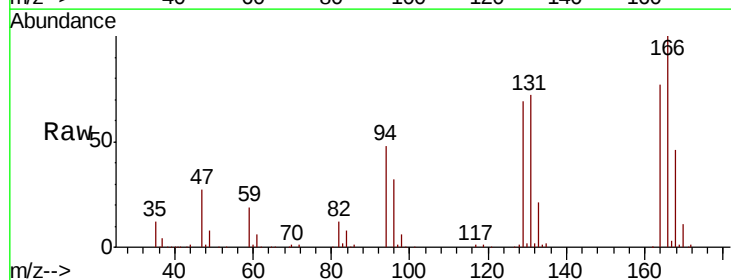
Ion 82.95 (82.65 to 83.65): VV017665.D (-2013) (-)

Ion 85.00 (84.70 to 85.70): VV017665.D (-2013) (-)



#49
 Tetrachloroethene
 Concen: 4.712 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

Tgt Ion:	164	Resp:	50603
Ion	Ratio	Lower	Upper
164	100		
129	89.5	65.0	120.8
131	93.4	63.6	118.2
166	130.2	91.7	170.3



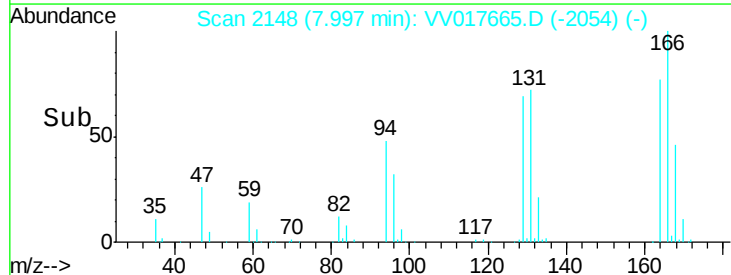
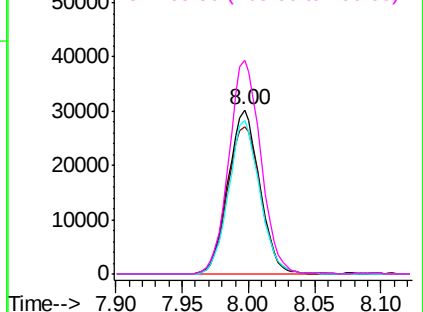
Abundance

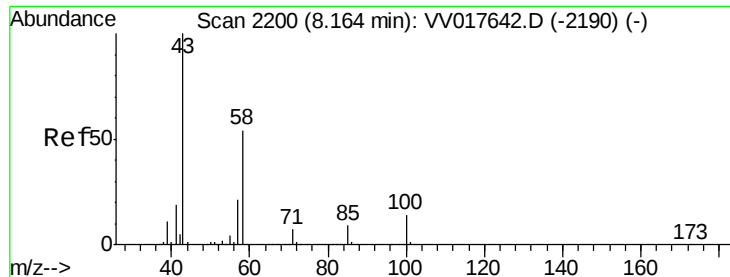
Ion 163.90 (163.60 to 164.60): VV017665.D (-2054) (-)

Ion 128.95 (128.65 to 129.65): VV017665.D (-2054) (-)

Ion 130.95 (130.65 to 131.65): VV017665.D (-2054) (-)

Ion 165.90 (165.60 to 166.60): VV017665.D (-2054) (-)

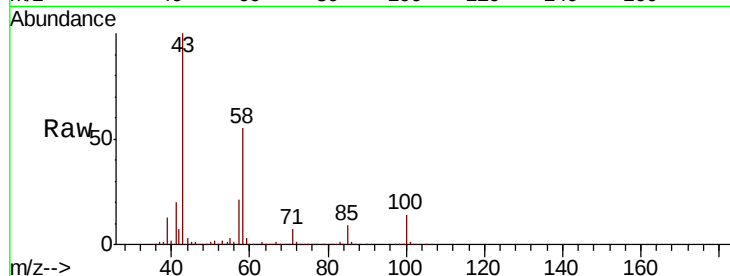




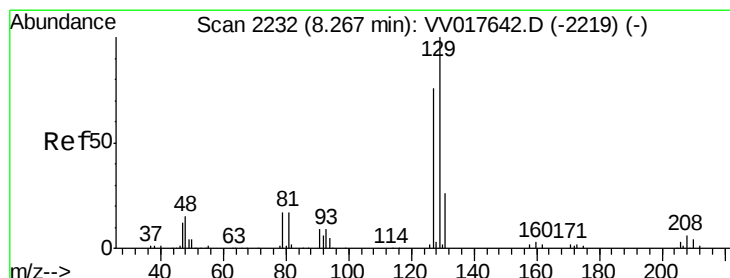
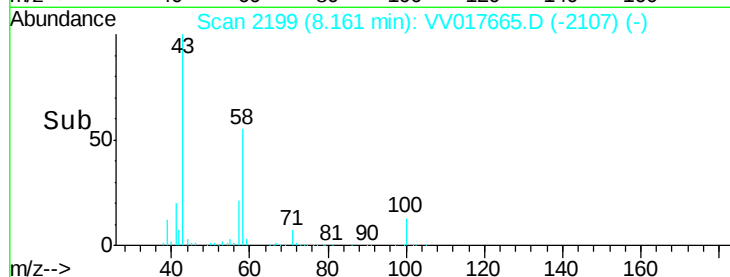
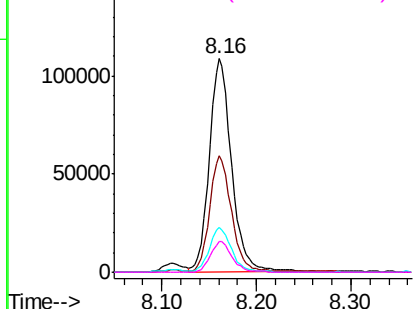
#50
2-Hexanone
Concen: 44.705 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 177743
Ion Ratio Lower Upper
43 100
58 53.4 41.6 62.4
57 20.4 15.4 23.0
100 13.9 11.2 16.8

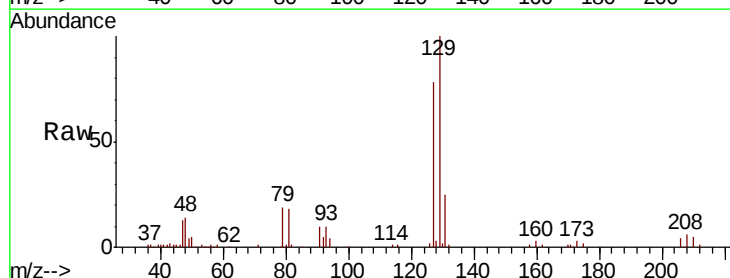


Abundance Ion 43.05 (42.75 to 43.75): VV017665.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VV017665.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VV017665.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VV017665.D (-2199) (-)

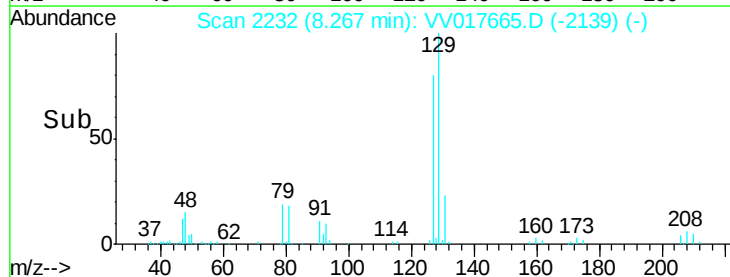
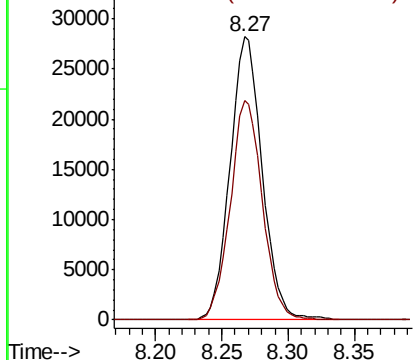


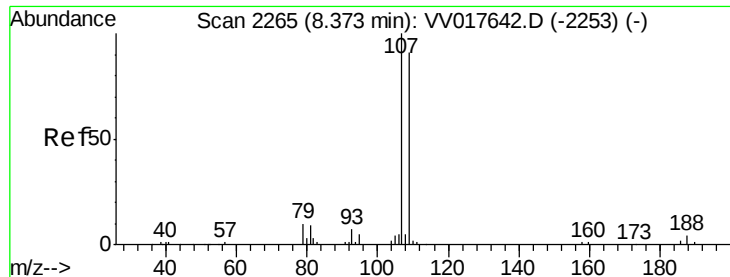
#51
Dibromochloromethane
Concen: 4.802 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

Tgt Ion: 129 Resp: 47507
Ion Ratio Lower Upper
129 100
127 77.6 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): VV017665.D (-2239) (-)
Ion 126.90 (126.60 to 127.60): VV017665.D (-2239) (-)

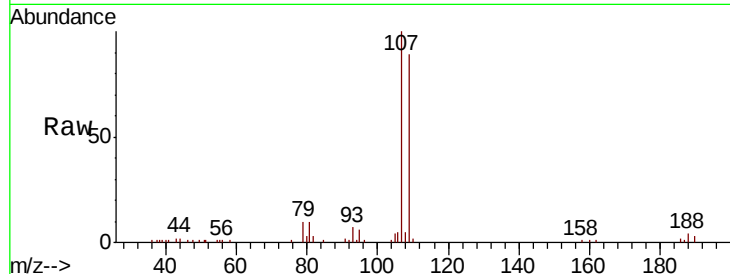




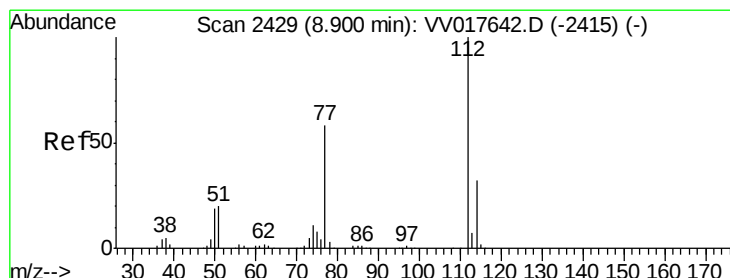
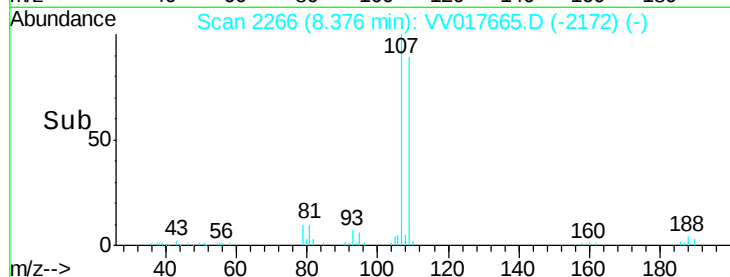
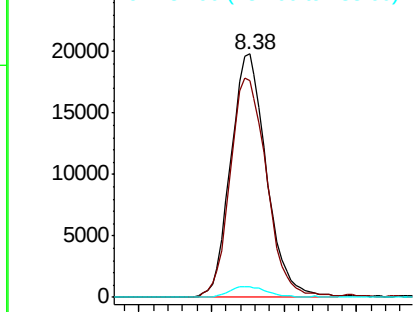
#52
1,2-Dibromoethane
Concen: 4.635 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:107 Resp: 33997
Ion Ratio Lower Upper
107 100
109 88.9 65.5 121.7
188 4.4 3.7 5.5

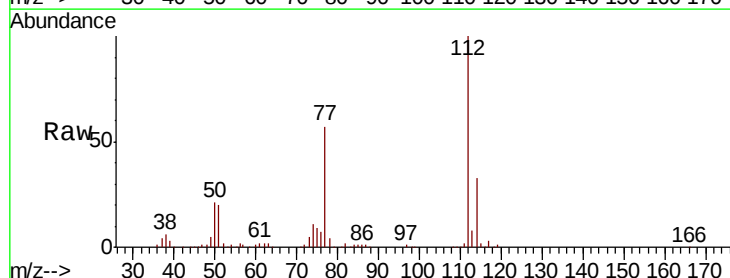


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

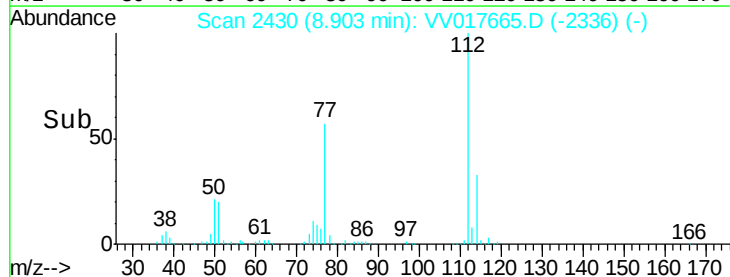
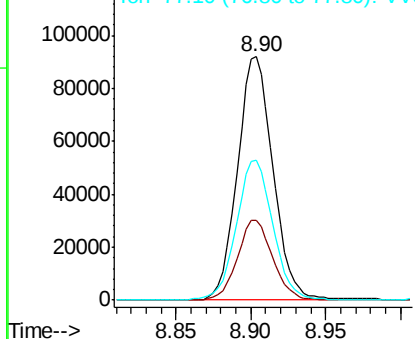


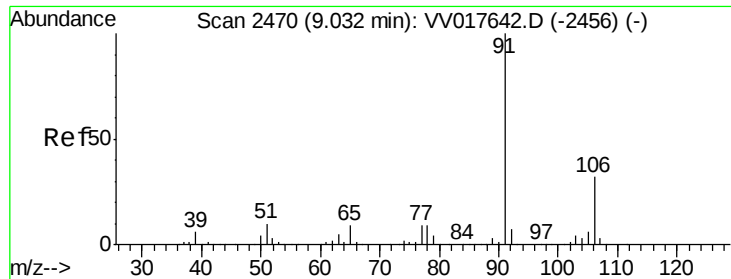
#53
Chlorobenzene
Concen: 4.790 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

Tgt Ion:112 Resp: 151906
Ion Ratio Lower Upper
112 100
114 32.9 23.2 43.2
77 57.4 45.6 68.4



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

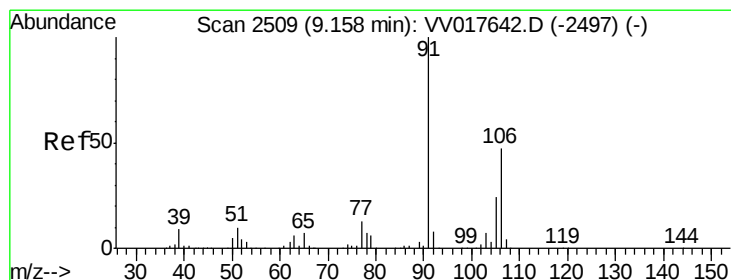
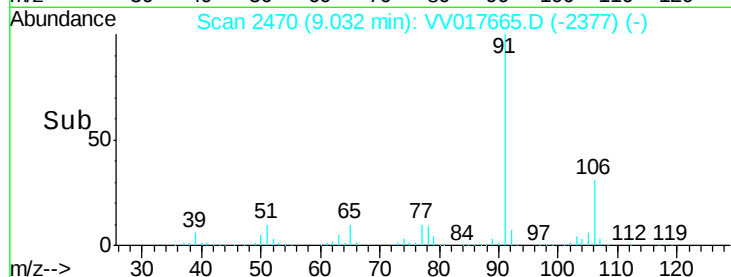
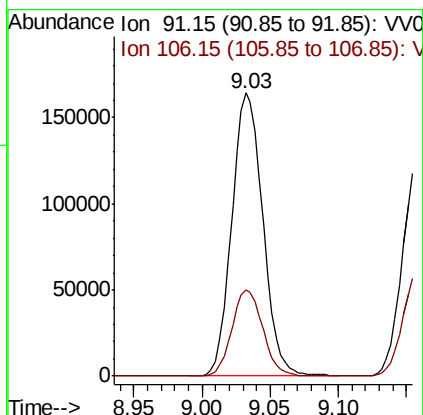
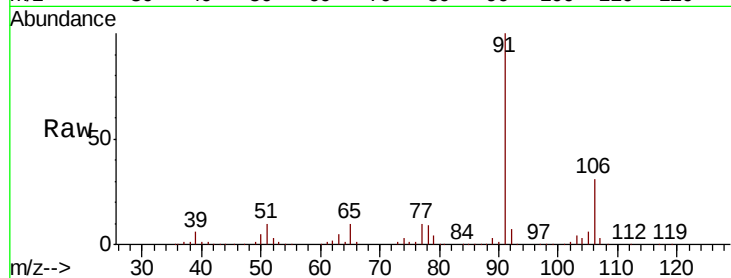




#54
Ethylbenzene
Concen: 4.875 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

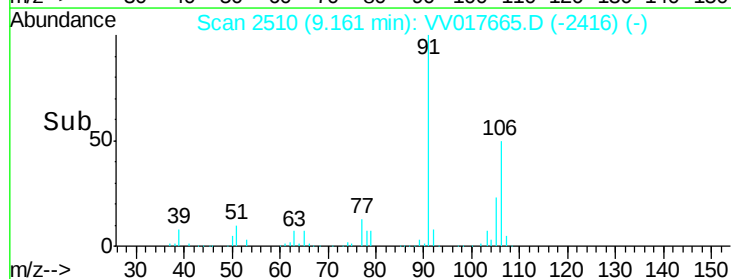
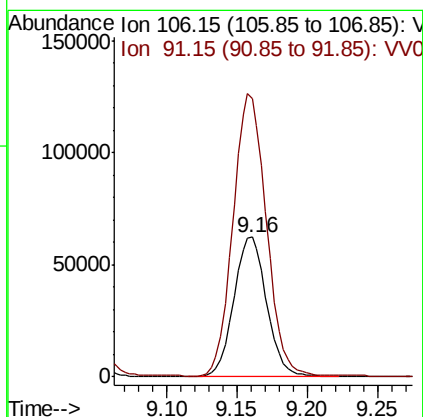
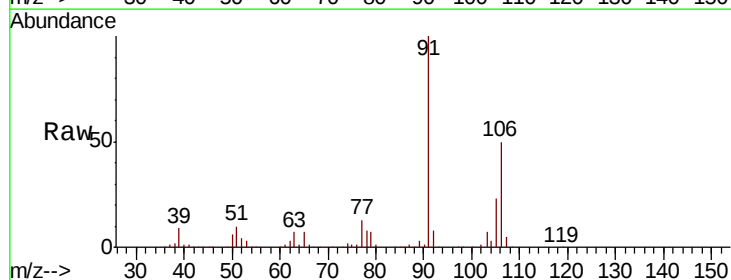
Instrument :
MSVOA_V
ClientSampleId :

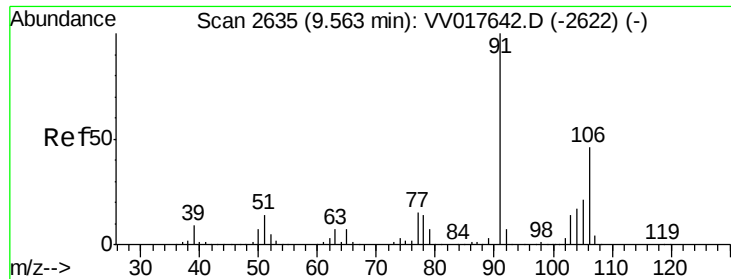
Tot Ion: 91 Resp: 259630
Ion Ratio Lower Upper
91 100
106 30.6 21.6 40.2



#55
m,p-xylene
Concen: 5.098 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

Tgt Ion: 106 Resp: 102256
Ion Ratio Lower Upper
106 100
91 199.0 141.3 262.3

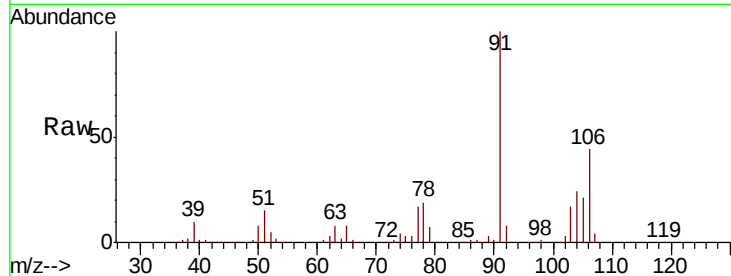




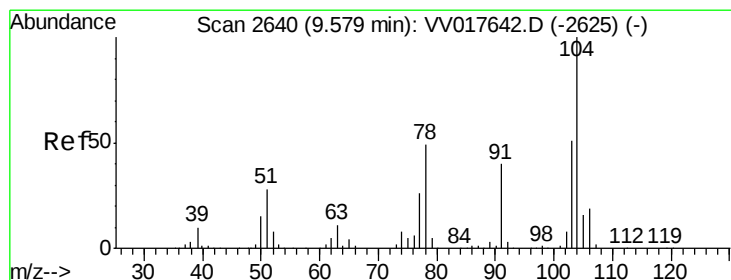
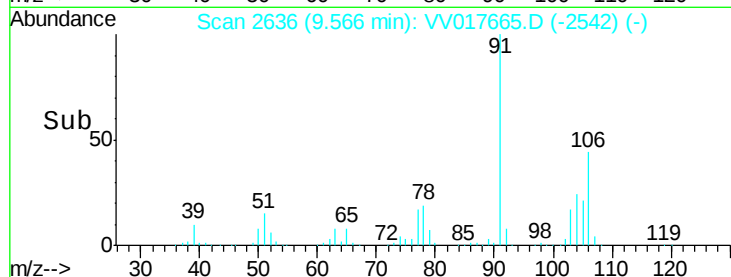
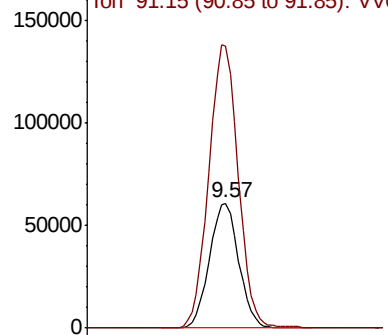
#56
o-xylene
Concen: 4.815 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 93729
Ion Ratio Lower Upper
106 100
91 225.6 153.9 285.7

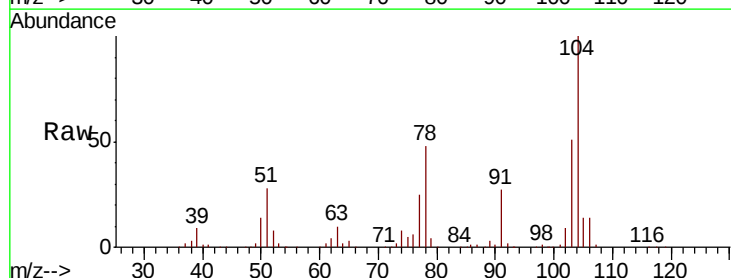


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

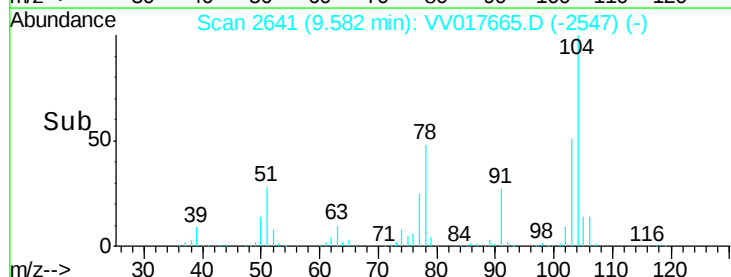
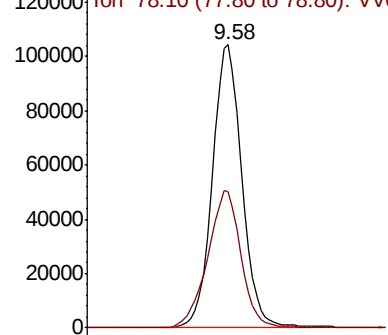


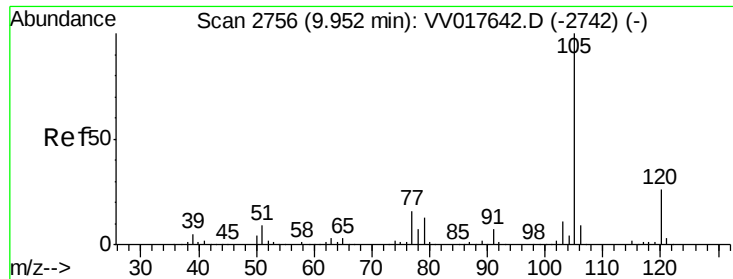
#57
Styrene
Concen: 5.106 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017665.D
Acq: 24 Jul 2020 23:24

Tgt Ion:104 Resp: 165866
Ion Ratio Lower Upper
104 100
78 48.3 34.0 63.2



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





#58

Isopropylbenzene

Concen: 4.919 ug/L

RT: 9.95 min Scan# 2756

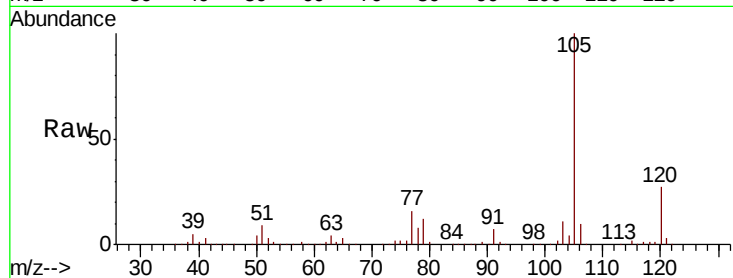
Delta R.T. -0.00 min

Lab File: VV017665.D

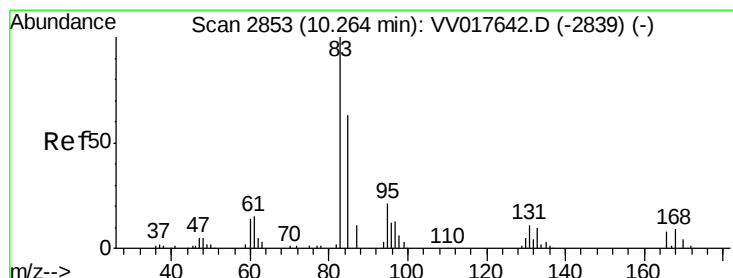
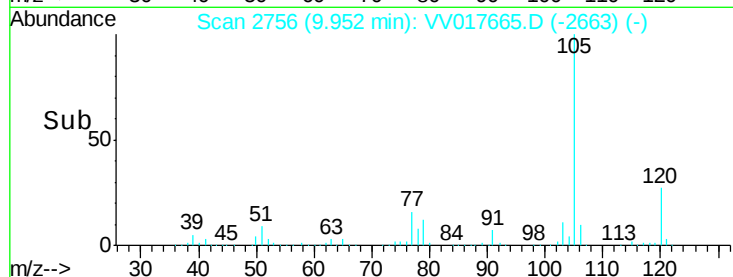
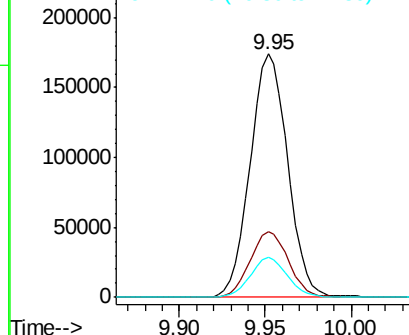
Acq: 24 Jul 2020 23:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:105	Resp:	264125
Ion Ratio	Lower	Upper
105 100		
120 27.5	21.1	31.7
77 16.3	13.0	19.6



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: 4.387 ug/L

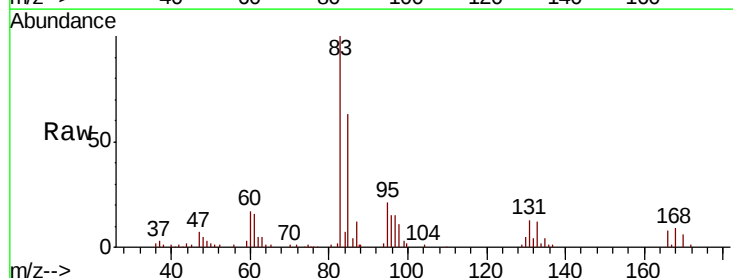
RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

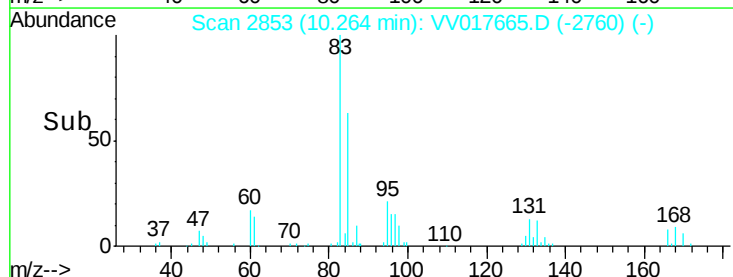
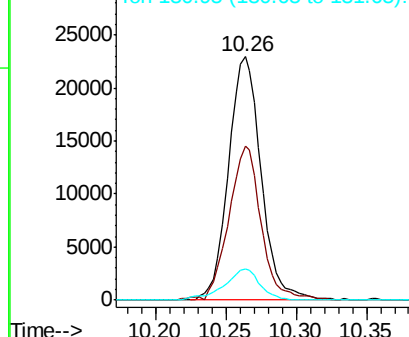
Lab File: VV017665.D

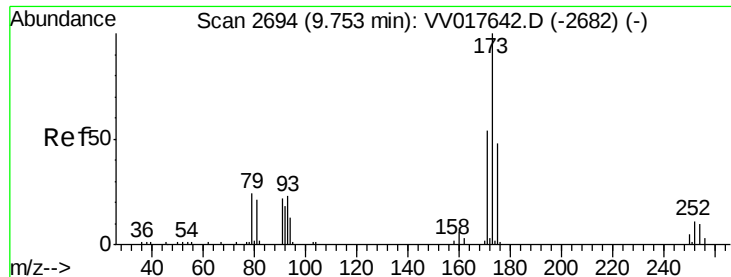
Acq: 24 Jul 2020 23:24

Tgt Ion: 83	Resp:	37153
Ion Ratio	Lower	Upper
83 100		
85 63.2	44.4	82.5
131 13.0	9.2	13.8



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: 4.664 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

Instrument :
MSVOA_V
ClientSampleId :

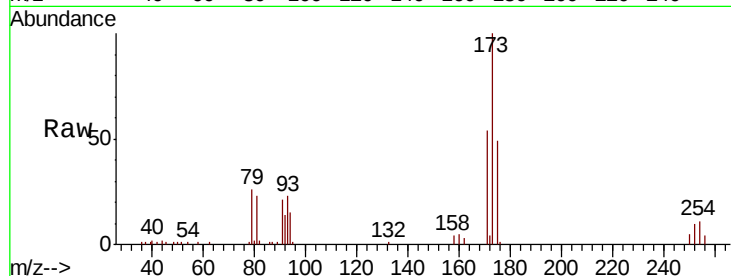
Tot Ion:173 Resp: 25544

Ion Ratio Lower Upper

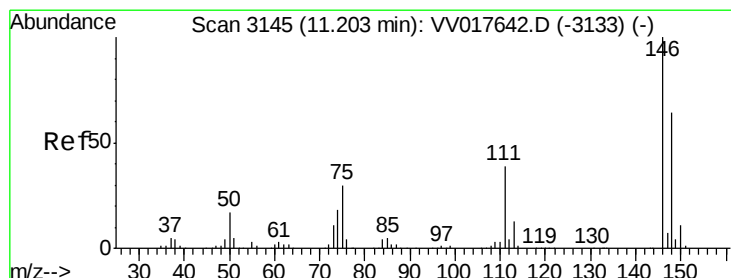
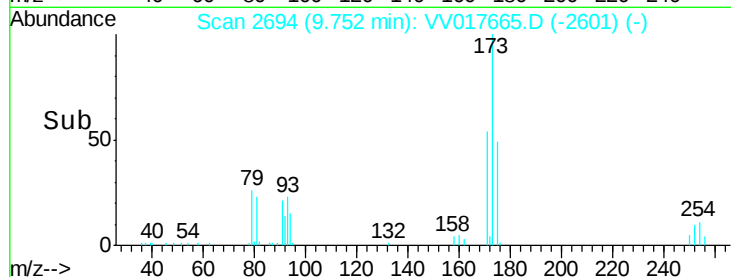
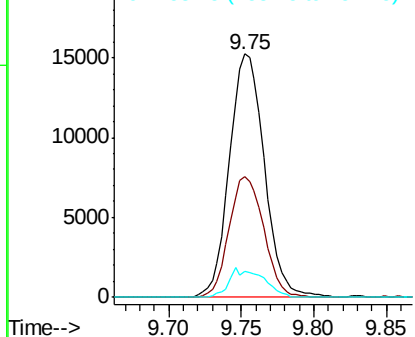
173 100

175 49.0 39.6 59.4

254 4.3 8.4 12.6#



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: 4.849 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

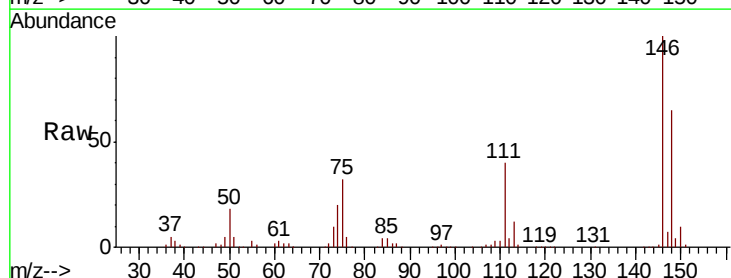
Tgt Ion:146 Resp: 133610

Ion Ratio Lower Upper

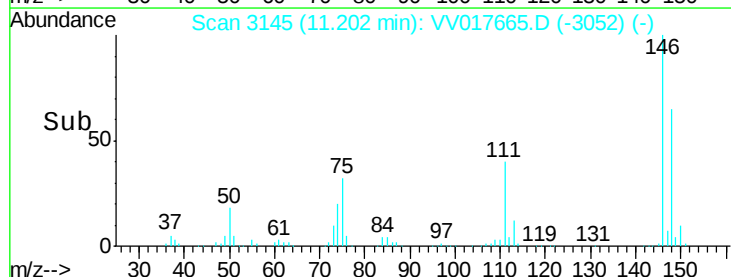
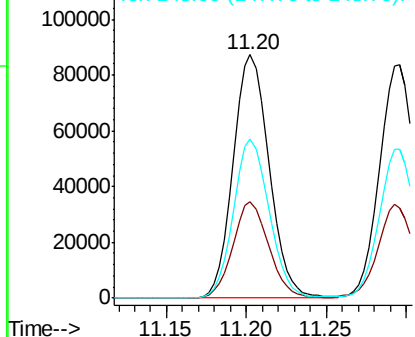
146 100

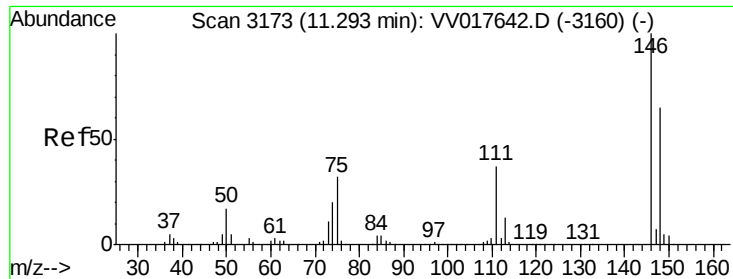
111 39.5 27.3 50.7

148 65.1 45.6 84.6



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

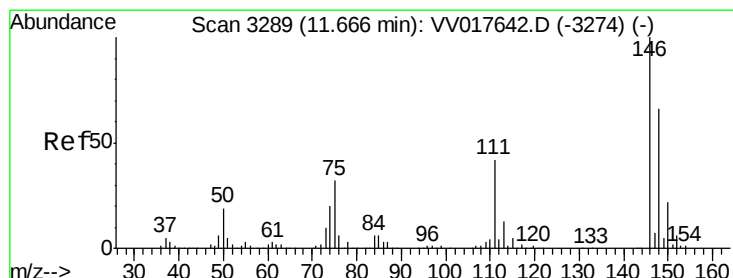
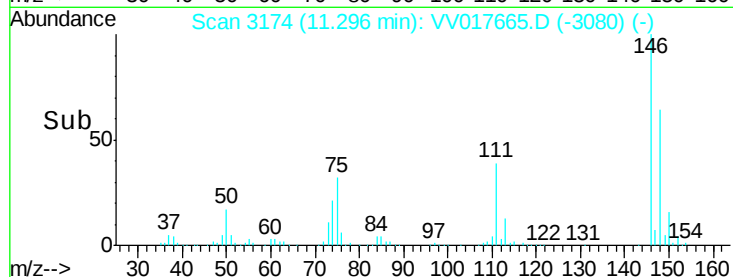
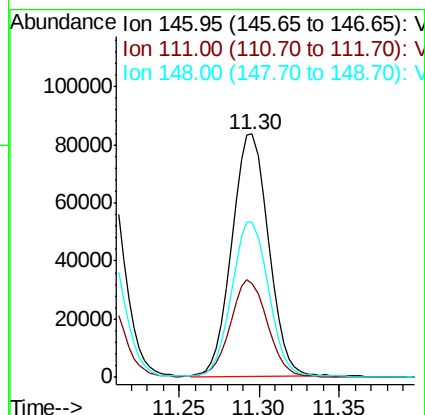
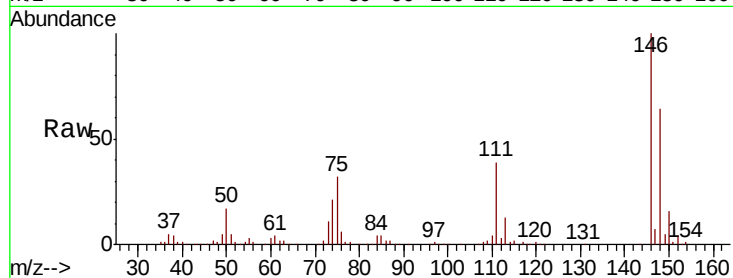




#64
 1,4-Dichlorobenzene
 Concen: 4.721 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

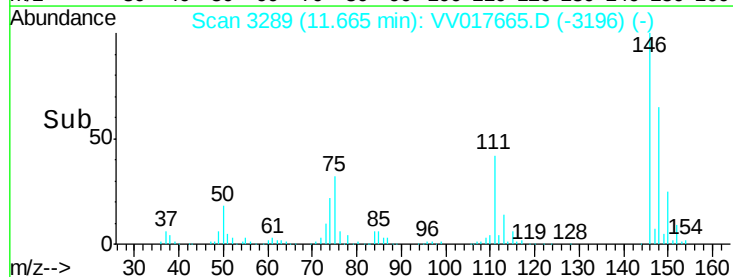
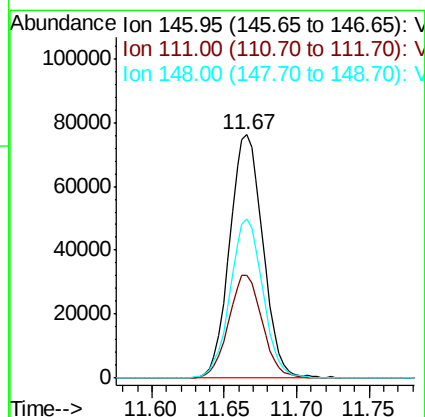
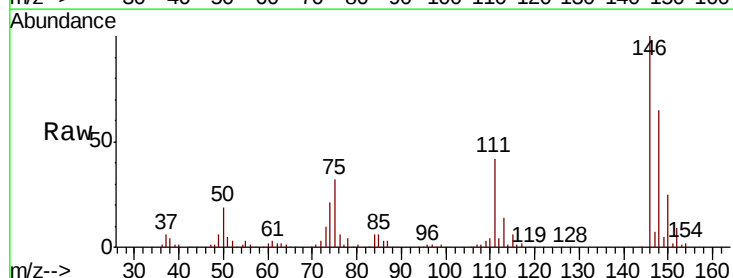
Instrument :
 MSVOA_V
 ClientSampled :

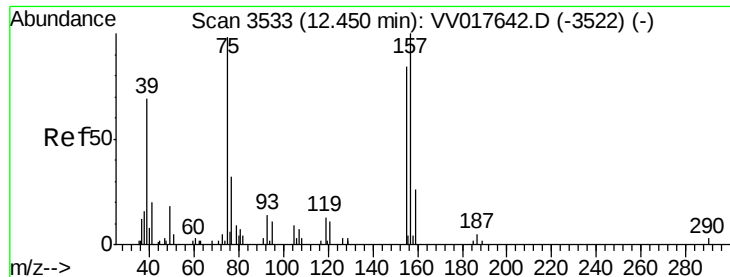
Tot Ion:146 Resp: 130525
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.4 51.0
 148 63.6 43.8 81.4



#66
 1,2-Dichlorobenzene
 Concen: 4.819 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

Tgt Ion:146 Resp: 120934
 Ion Ratio Lower Upper
 146 100
 111 42.3 33.0 49.4
 148 65.2 49.9 74.9

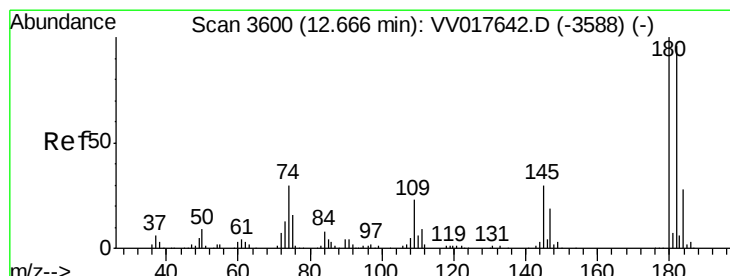
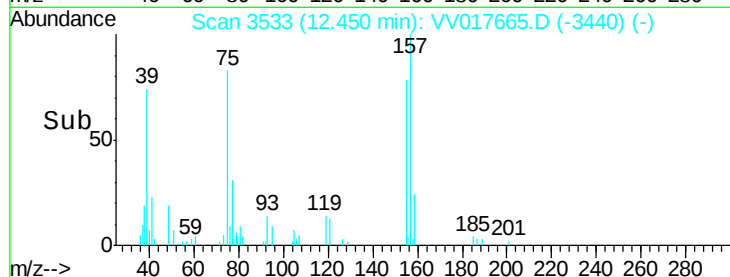
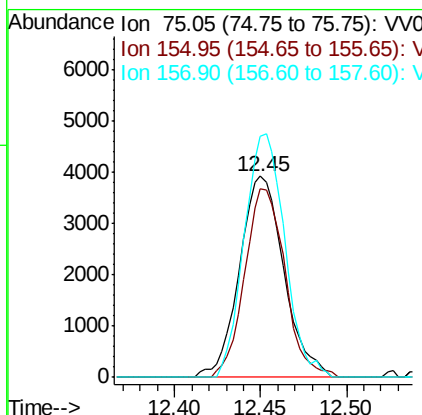
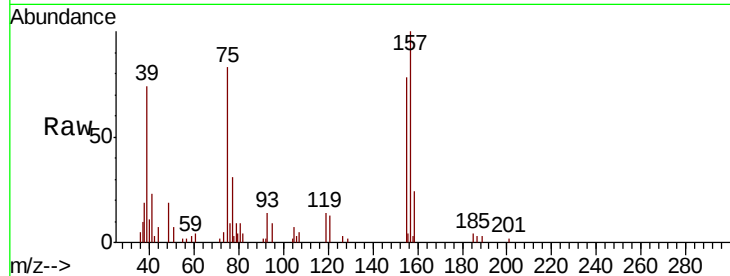




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.486 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

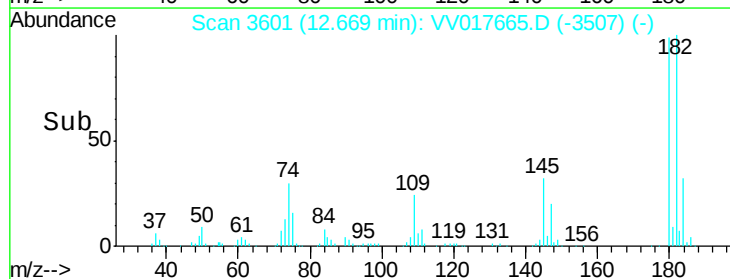
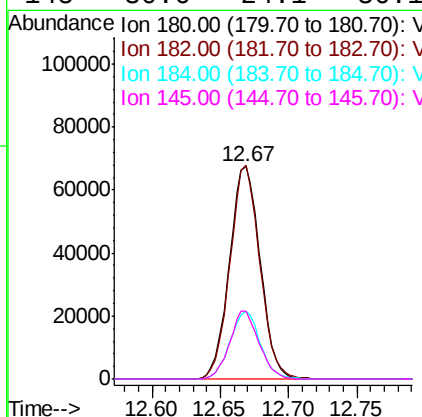
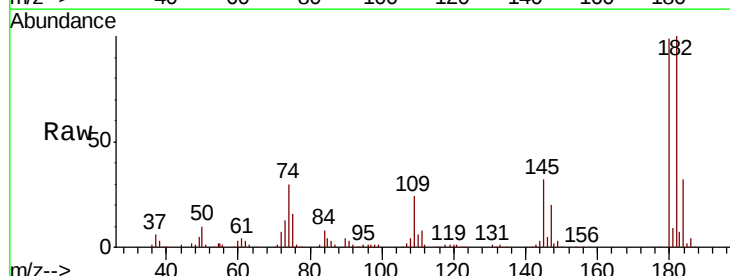
Instrument :
 MSVOA_V
 ClientSampleId :

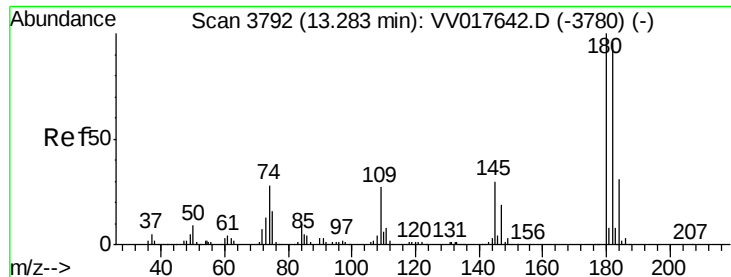
Tot Ion: 75 Resp: 7041
 Ion Ratio Lower Upper
 75 100
 155 93.7 68.7 103.1
 157 120.1 87.8 131.8



#68
 1,3,5-Trichlorobenzene
 Concen: 4.730 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

Tgt Ion: 180 Resp: 105861
 Ion Ratio Lower Upper
 180 100
 182 97.2 77.1 115.7
 184 31.1 25.2 37.8
 145 30.6 24.1 36.1

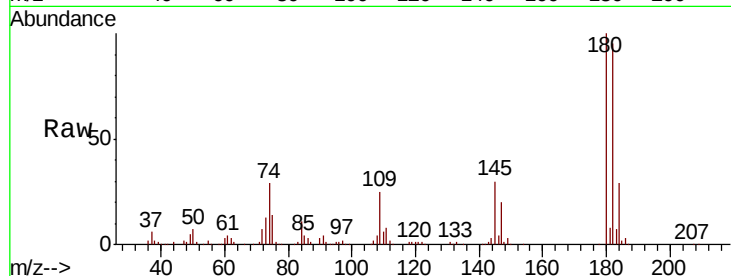




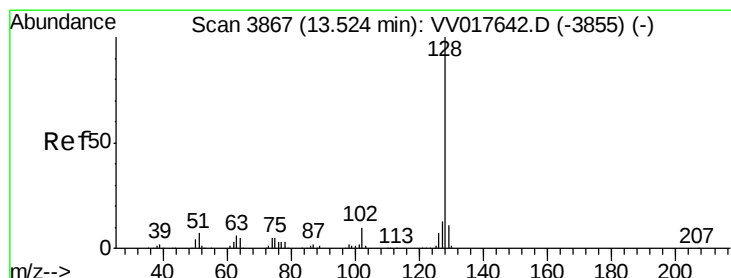
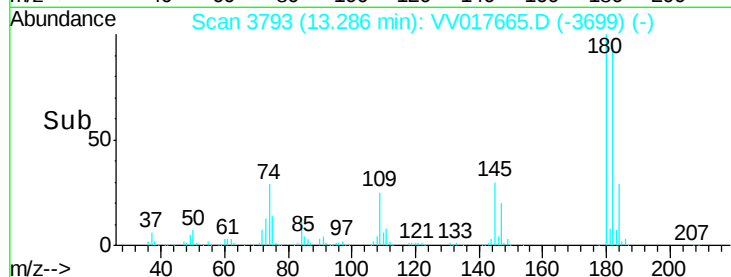
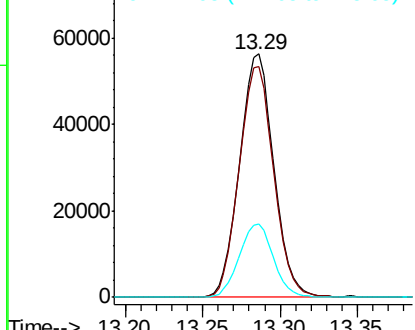
#69
 1,2,4-trichlorobenzene
 Concen: 4.636 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 86792
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.4 113.2
 145 30.1 24.2 36.2

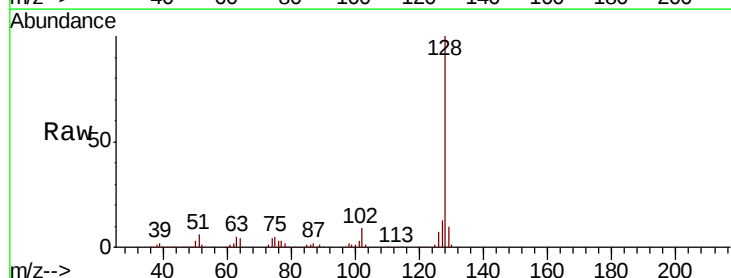


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

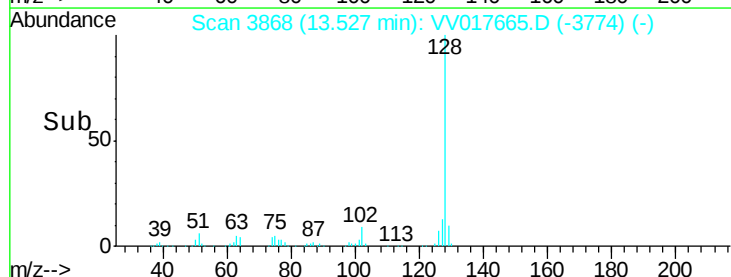
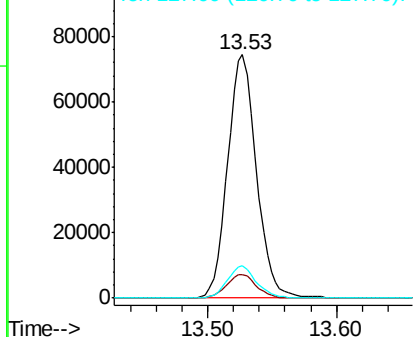


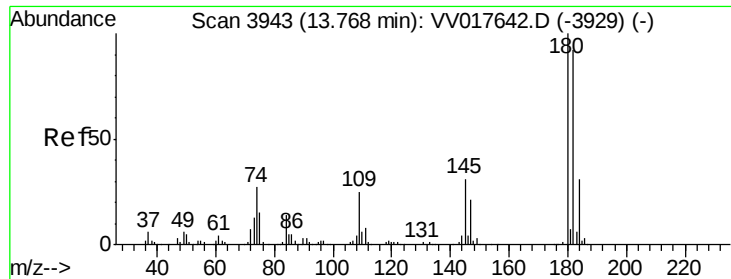
#70
 Naphthalene
 Concen: 4.431 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017665.D
 Acq: 24 Jul 2020 23:24

Tgt Ion:128 Resp: 115655
 Ion Ratio Lower Upper
 128 100
 129 10.0 9.1 13.7
 127 13.5 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#71

1,2,3-Trichlorobenzene

Concen: 4.506 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017665.D

Acq: 24 Jul 2020 23:24

Instrument :

MSVOA_V

ClientSampleId :

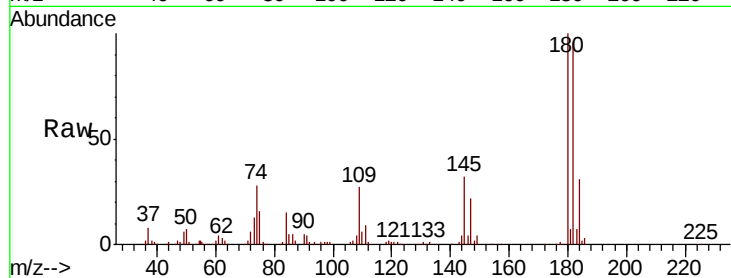
Tot Ion:180 Resp: 74754

Ion Ratio Lower Upper

180 100

182 95.1 74.2 111.4

145 32.9 26.0 39.0



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

