

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
 Data File : VV015898.D
 Acq On : 05 May 2020 13:11
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

Quant Time: May 06 01:58:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 17:59:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	163426	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	155286	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	78378	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	51425	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.57	69	44305	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.12	63	99741	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.60%
20) 2-Butanone-d5	3.96	46	136341	52.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.64%
24) Chloroform-d	4.37	84	104940	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.05	65	58364	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.07	84	200604	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.09	67	60205	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.33	98	193084	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
43) trans-1,3-Dichloropropene-	7.64	79	24490	5.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.00%
46) 2-Hexanone-d5	8.11	63	111147	53.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.68%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	42713	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	67356	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	67768	5.180	ug/L 100
3) Chloromethane	1.24	50	66113	5.072	ug/L 100
5) Vinyl chloride	1.32	62	64638	5.174	ug/L 99
6) Bromomethane	1.53	94	35431	5.120	ug/L 100
8) Chloroethane	1.59	64	38859	5.113	ug/L 94
9) Trichlorofluoromethane	1.76	101	86778	5.160	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	49067	5.116	ug/L 99
12) 1,1-Dichloroethene	2.13	96	45658	4.983	ug/L 94
13) Acetone	2.24	43	32235	20.090	ug/L 76
14) Carbon disulfide	2.30	76	159932	5.353	ug/L 100
15) Methyl Acetate	2.46	43	19395	5.195	ug/L 97
16) Methylene chloride	2.52	84	61111	4.735	ug/L 99
17) Methyl tert-butyl Ether	2.79	73	125923	5.188	ug/L 100
18) trans-1,2-Dichloroethene	2.77	96	54406	5.284	ug/L 99
19) 1,1-Dichloroethane	3.21	63	99809	5.078	ug/L 99
21) 2-Butanone	4.04	43	139716	52.118	ug/L # 69
22) cis-1,2-Dichloroethene	3.93	96	55575	5.180	ug/L 98

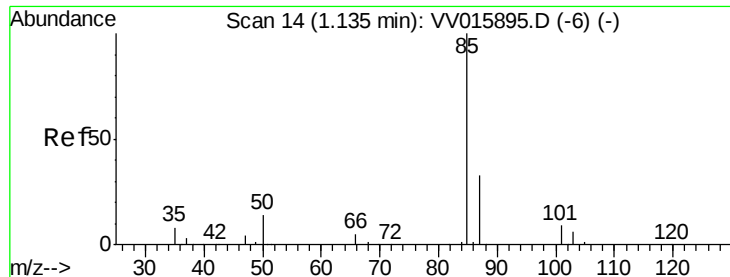
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
 Data File : VV015898.D
 Acq On : 05 May 2020 13:11
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

Quant Time: May 06 01:58:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 17:59:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	23124	5.166	uq/L	97
25) Chloroform	4.40	83	104322	4.877	uq/L	98
27) 1,2-Dichloroethane	5.15	62	68515	5.170	uq/L	98
29) 1,1,1-Trichloroethane	4.63	97	91988	5.192	uq/L	99
30) Cyclohexane	4.70	56	96612	5.329	uq/L	98
31) Carbon tetrachloride	4.85	117	79764	5.242	uq/L	98
33) Benzene	5.12	78	216000	5.307	uq/L	100
34) Trichloroethene	5.93	95	58328	5.268	uq/L	97
35) Methylcyclohexane	6.15	83	94841	5.235	uq/L	97
37) 1,2-Dichloropropane	6.20	63	53292	5.237	uq/L	100
38) Bromodichloromethane	6.53	83	67781	5.318	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	78057	5.452	uq/L	97
40) 4-Methyl-2-pentanone	7.25	43	353790	54.469	uq/L	100
42) Toluene	7.41	91	230298	5.318	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	66369	5.477	uq/L	96
45) 1,1,2-Trichloroethane	7.86	97	35122	5.121	uq/L	97
47) Tetrachloroethene	7.99	164	43490	5.267	uq/L	99
48) 2-Hexanone	8.16	43	255932	56.454	uq/L	99
49) Dibromochloromethane	8.27	129	40471	5.468	uq/L	96
50) 1,2-Dibromoethane	8.37	107	34609	5.348	uq/L	94
51) Chlorobenzene	8.90	112	144637	5.218	uq/L	98
52) Ethylbenzene	9.03	91	263767	5.352	uq/L	100
53) m,p-xylene	9.16	106	99644	5.402	uq/L	98
54) o-xylene	9.56	106	94501	5.387	uq/L	98
55) Styrene	9.58	104	160083	5.458	uq/L	99
56) Isopropylbenzene	9.95	105	259628	5.381	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	40759	5.159	uq/L	95
59) 1,2,3-Trichloropropane	10.30	75	32823	5.264	uq/L	99
61) Bromoform	9.75	173	18087	5.407	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	116612	5.267	uq/L	98
63) 1,4-Dichlorobenzene	11.30	146	117348	5.348	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	107913	5.378	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	7165	5.140	uq/L	91
67) 1,3,5-Trichlorobenzene	12.67	180	87697	5.325	uq/L	99
68) 1,2,4-trichlorobenzene	13.29	180	77292	5.580	uq/L	99
69) Naphthalene	13.53	128	134981	5.764	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	68385	5.511	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.180 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

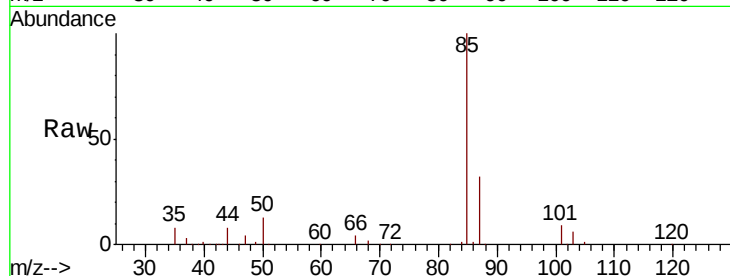
VICV35

Tot Ion: 85 Resp: 67768

Ion Ratio Lower Upper

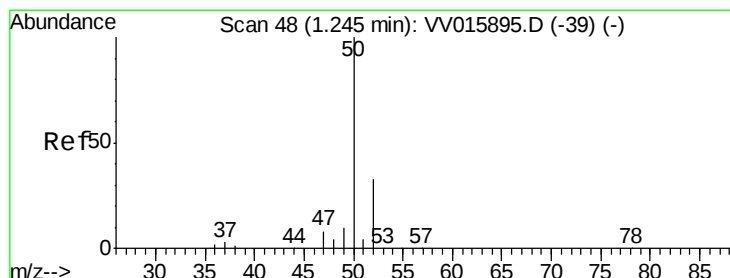
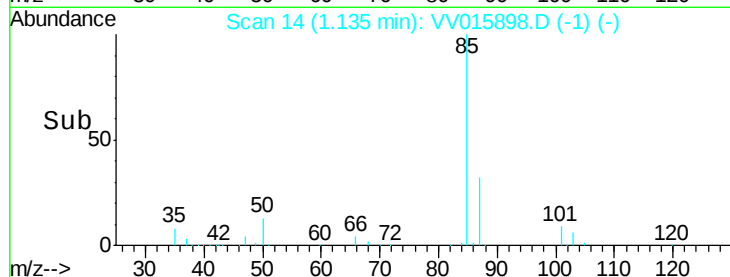
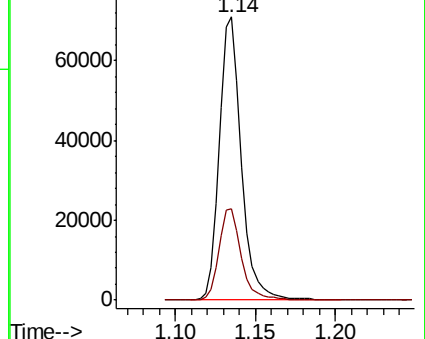
85 100

87 32.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.072 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015898.D

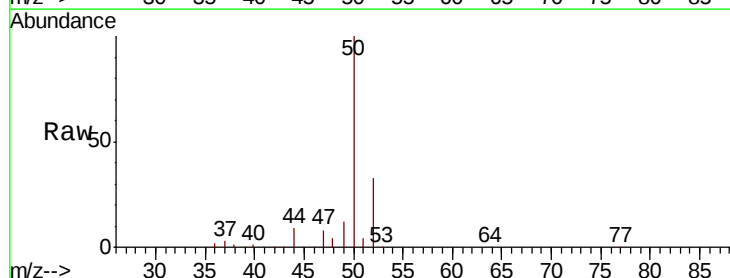
Acq: 05 May 2020 13:11

Tgt Ion: 50 Resp: 66113

Ion Ratio Lower Upper

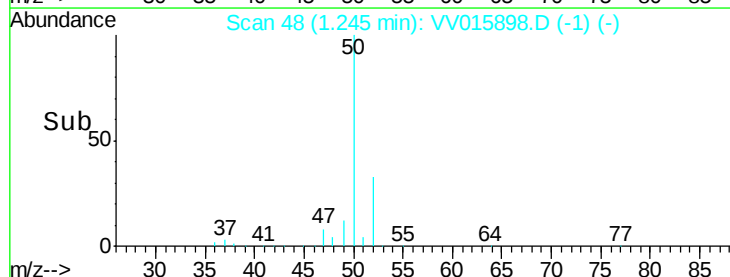
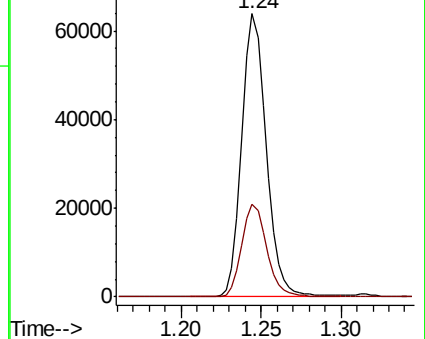
50 100

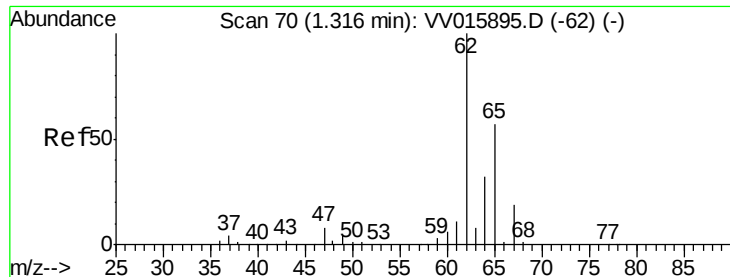
52 32.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.174 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampleID :

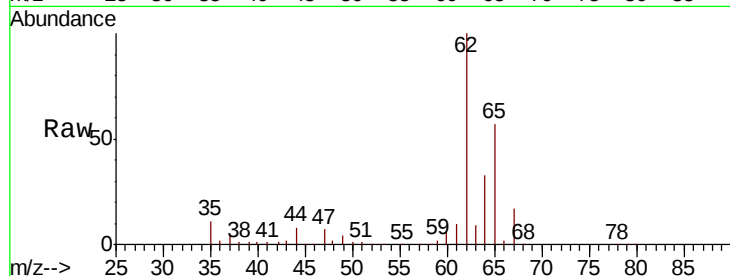
VICV35

Tot Ion: 62 Resp: 64638

Ion Ratio Lower Upper

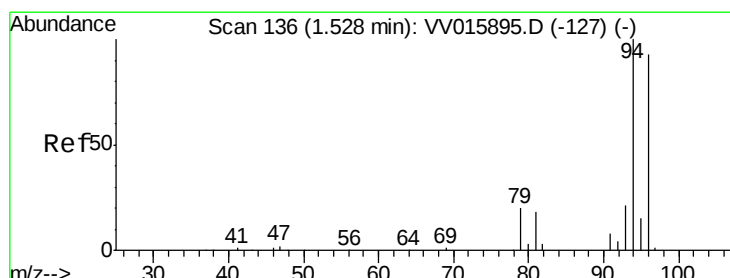
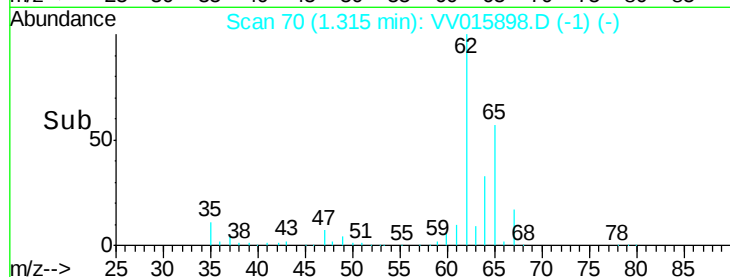
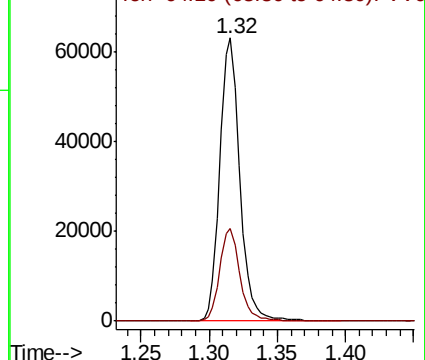
62 100

64 32.8 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.120 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015898.D

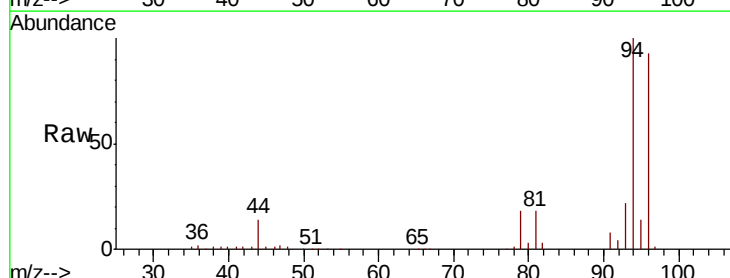
Acq: 05 May 2020 13:11

Tgt Ion: 94 Resp: 35431

Ion Ratio Lower Upper

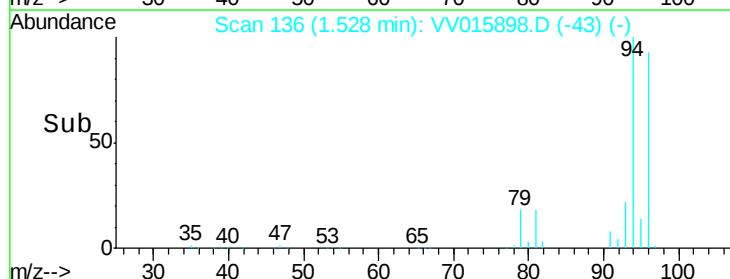
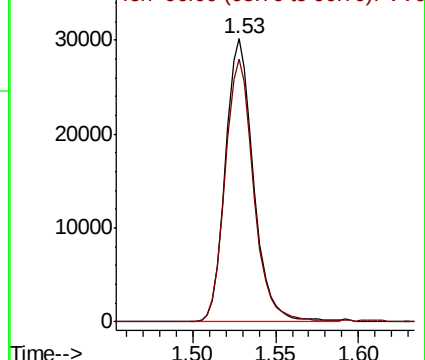
94 100

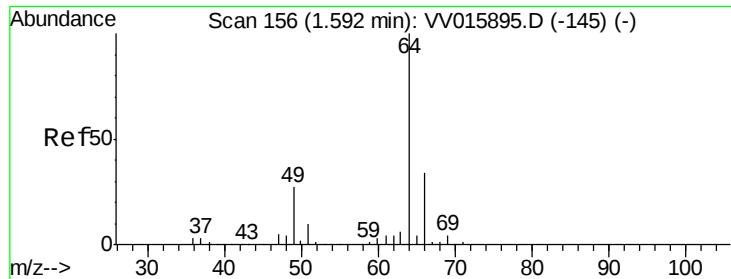
96 93.1 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.113 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampled :

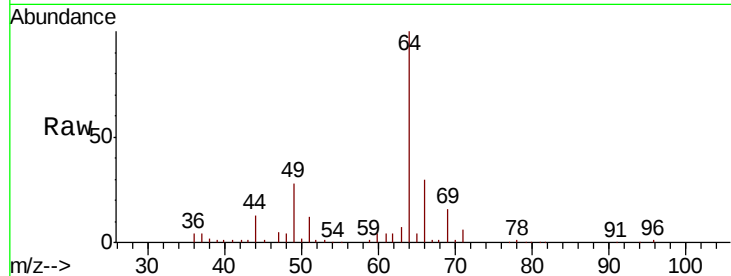
VICV35

Tot Ion: 64 Resp: 38859

Ion Ratio Lower Upper

64 100

66 30.2 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV015895.D (-145) (-)

Ion 66.05 (65.75 to 66.75): VV015898.D (-63) (-)

1.59

30000

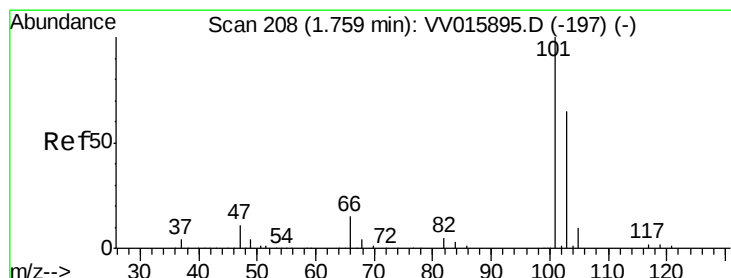
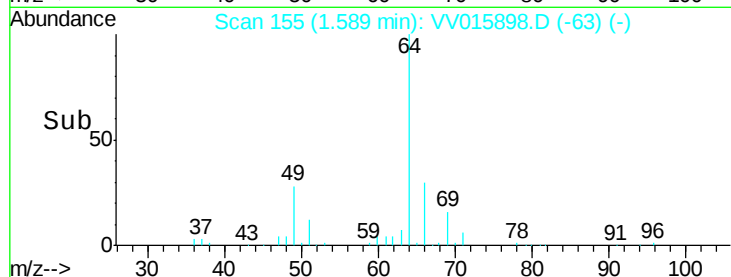
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 5.160 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015898.D

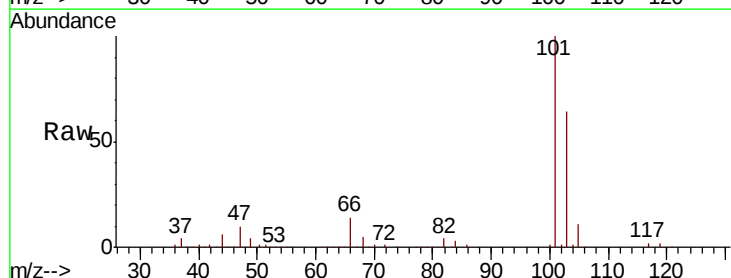
Acq: 05 May 2020 13:11

Tgt Ion: 101 Resp: 86778

Ion Ratio Lower Upper

101 100

103 65.2 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV015895.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015898.D (-115) (-)

1.76

80000

60000

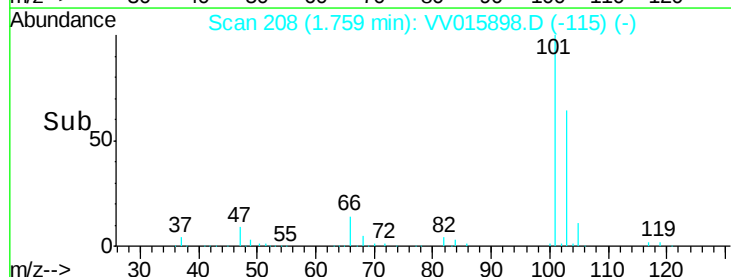
40000

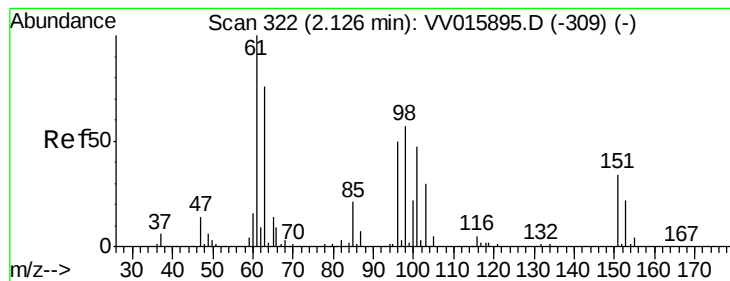
20000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 5.116 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV35

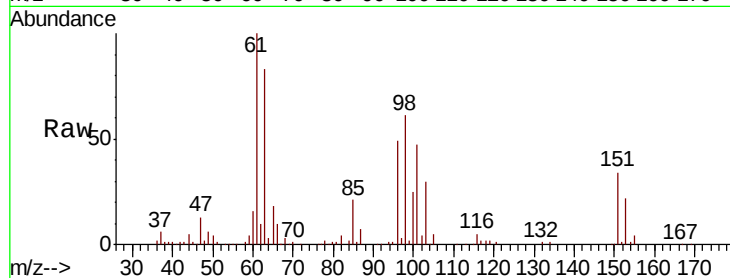
Tot Ion:101 Resp: 49067

Ion Ratio Lower Upper

101 100

85 44.9 35.7 53.5

151 73.4 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV015895.D (-309) (-)

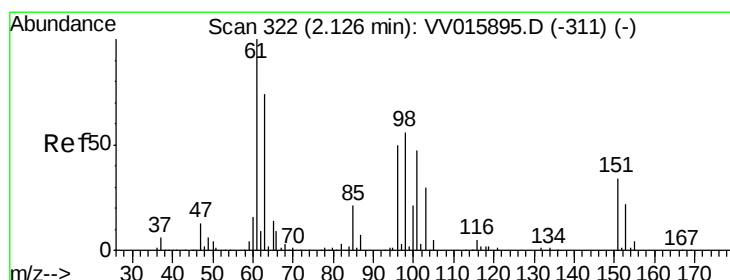
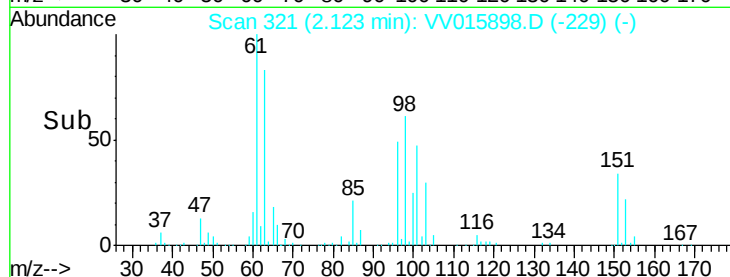
Ion 85.00 (84.70 to 85.70): VV015895.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015895.D (-309) (-)

Time-->

2.12

2.05 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 4.983 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

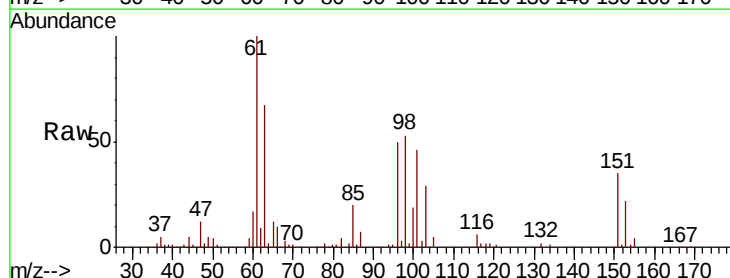
Tgt Ion: 96 Resp: 45658

Ion Ratio Lower Upper

96 100

61 199.0 139.9 259.7

63 134.2 106.4 197.6



Abundance Ion 96.00 (95.70 to 96.70): VV015898.D (-229) (-)

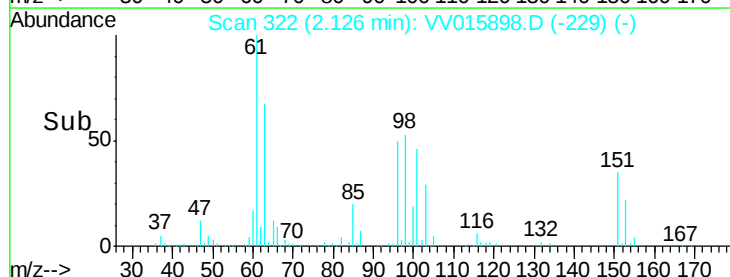
Ion 61.05 (60.75 to 61.75): VV015898.D (-229) (-)

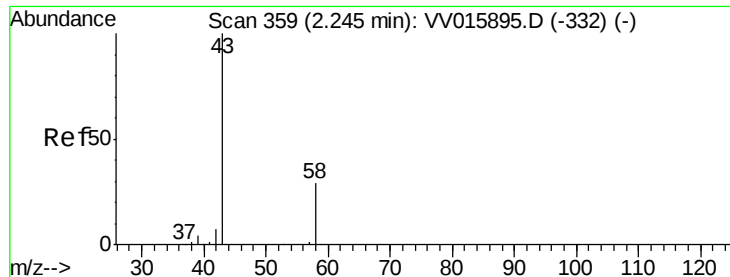
Ion 63.00 (62.70 to 63.70): VV015898.D (-229) (-)

Time-->

2.13

2.05 2.10 2.15 2.20





#13

Acetone

Concen: 20.090 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampled :

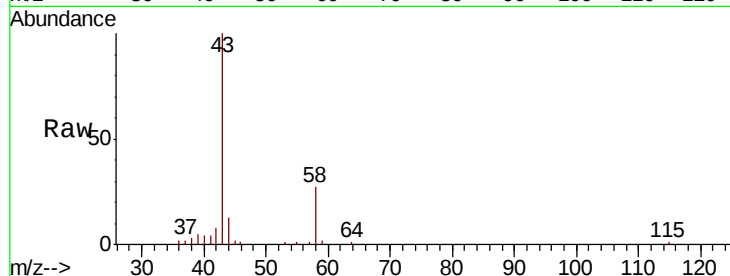
VICV35

Tot Ion: 43 Resp: 32235

Ion Ratio Lower Upper

43 100

58 25.3 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015895.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV015895.D (-332) (-)

15000

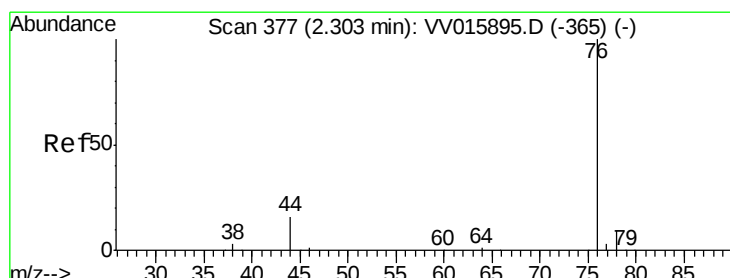
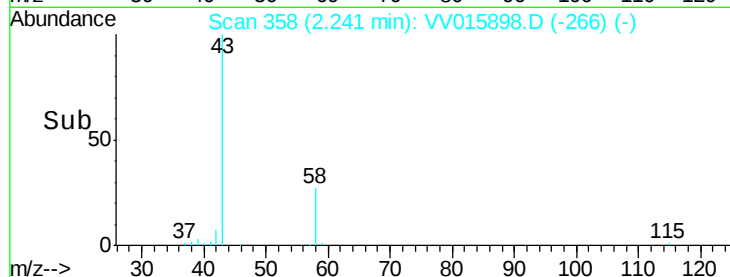
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 5.353 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.00 min

Lab File: VV015898.D

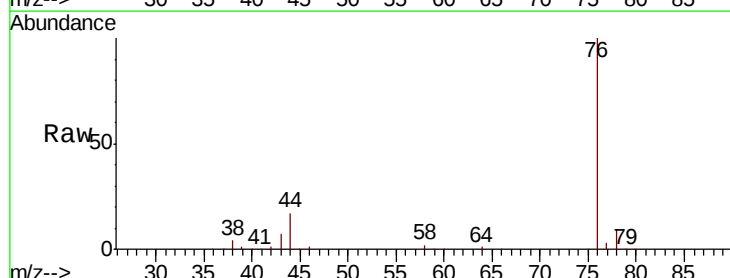
Acq: 05 May 2020 13:11

Tgt Ion: 76 Resp: 159932

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV015895.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015895.D (-365) (-)

120000

100000

80000

60000

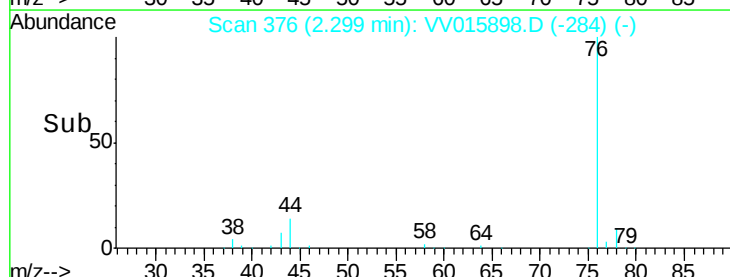
40000

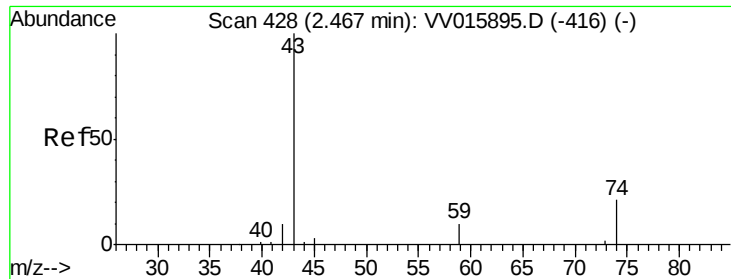
20000

0

2.25 2.30 2.35 2.40

Time-->





#15

Methvl Acetate

Concen: 5.195 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

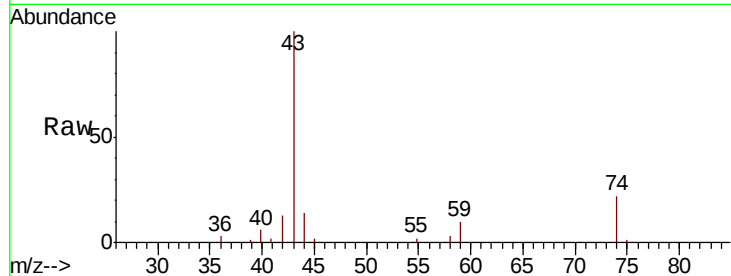
VICV35

Tot Ion: 43 Resp: 19395

Ion Ratio Lower Upper

43 100

74 22.4 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

Time-->

2.40 2.45 2.50 2.55

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

2.46

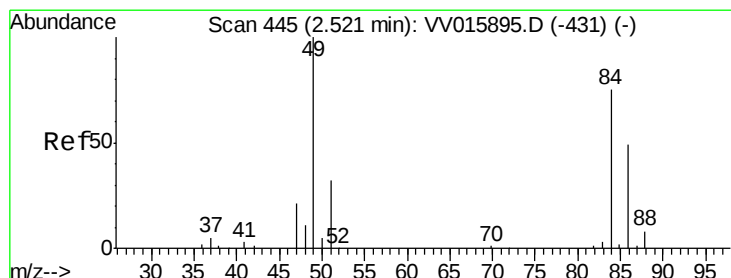
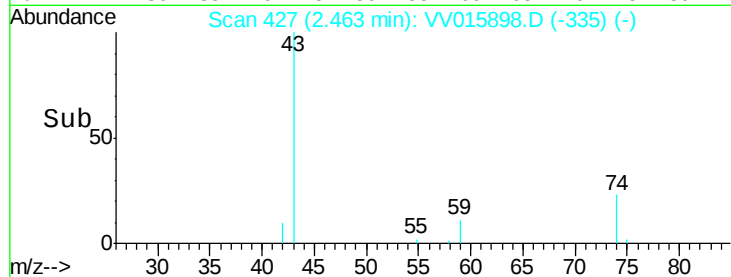
2.46

2.46

2.46

2.46

2.46



#16

Methylene chloride

Concen: 4.735 ug/L

RT: 2.52 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

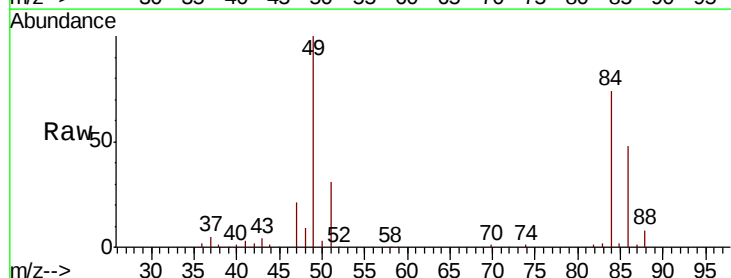
Tgt Ion: 84 Resp: 61111

Ion Ratio Lower Upper

84 100

86 64.8 45.6 84.8

49 135.0 93.6 173.8



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

Time-->

2.45 2.50 2.55 2.60

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

2.52

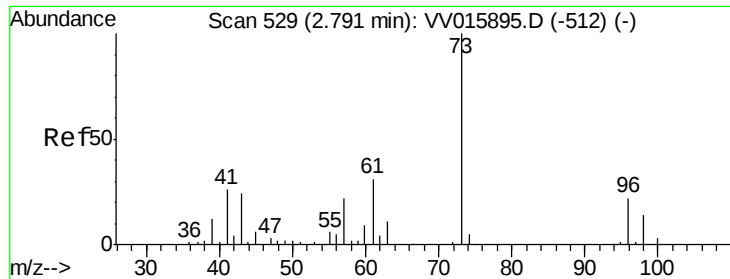
2.52

2.52

2.52

2.52

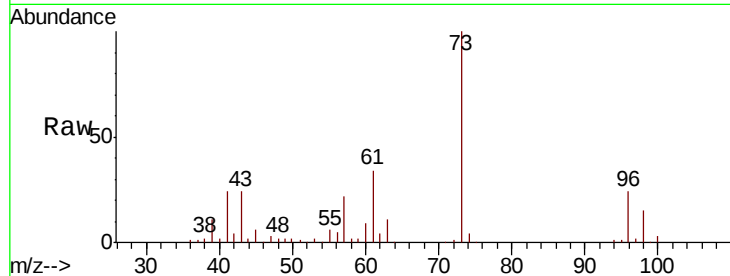
2.52



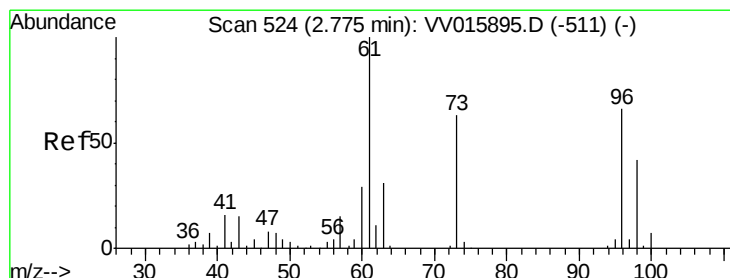
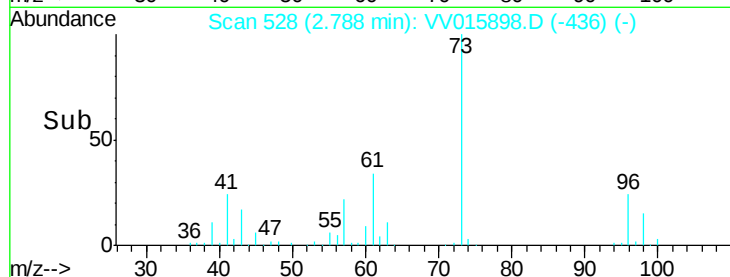
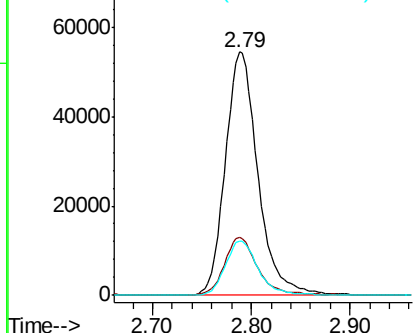
#17
Methvl tert-butvl Ether
Concen: 5.188 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV015898.D
Acq: 05 May 2020 13:11

Instrument :
MSVOA_V
ClientSampleId :
VICV35

Tot Ion: 73 Resp: 125923
Ion Ratio Lower Upper
73 100
43 23.3 18.8 28.2
57 22.2 17.8 26.6

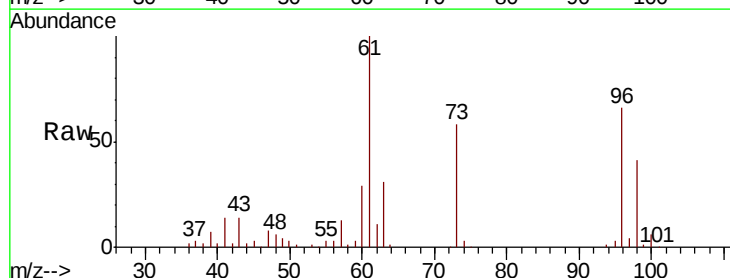


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

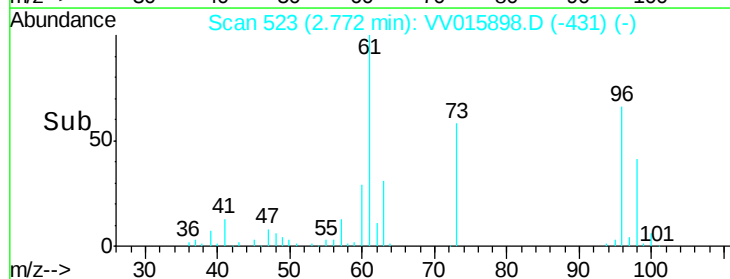
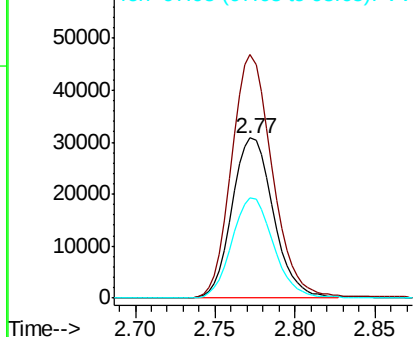


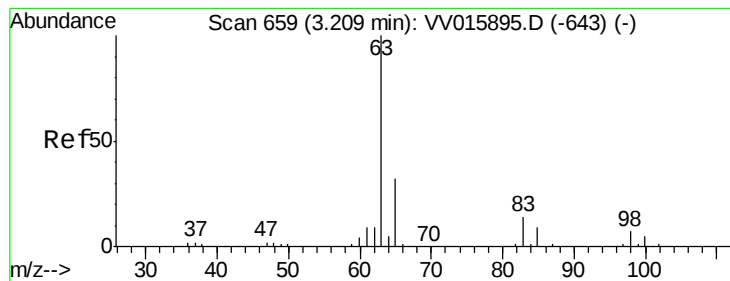
#18
trans-1,2-Dichloroethene
Concen: 5.284 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV015898.D
Acq: 05 May 2020 13:11

Tgt Ion: 96 Resp: 54406
Ion Ratio Lower Upper
96 100
61 152.2 105.3 195.5
98 63.0 44.0 81.6



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





#19

1,1-Dichloroethane

Concen: 5.078 ug/L

RT: 3.21 min Scan# 658

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV35

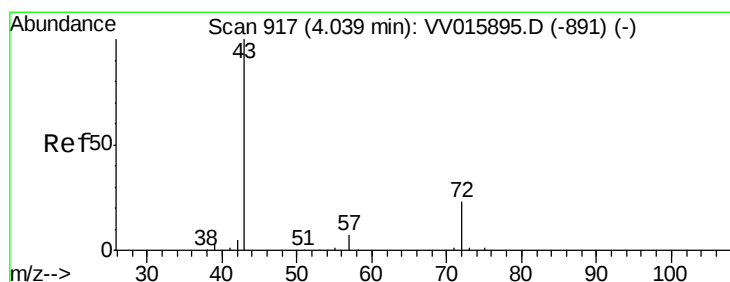
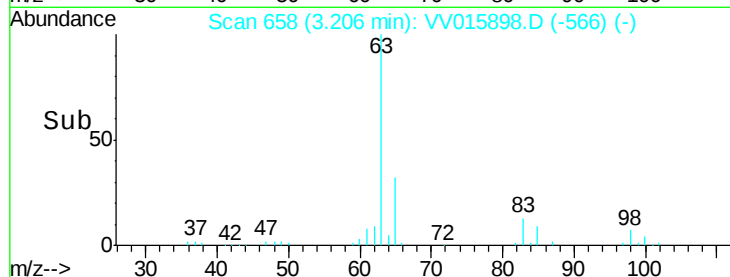
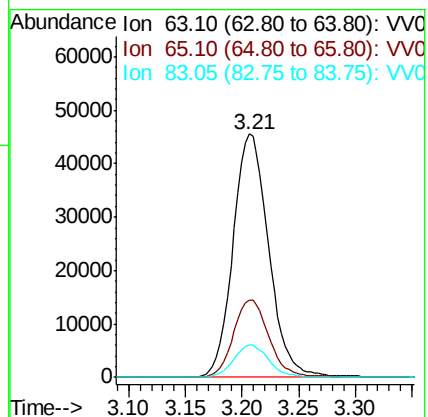
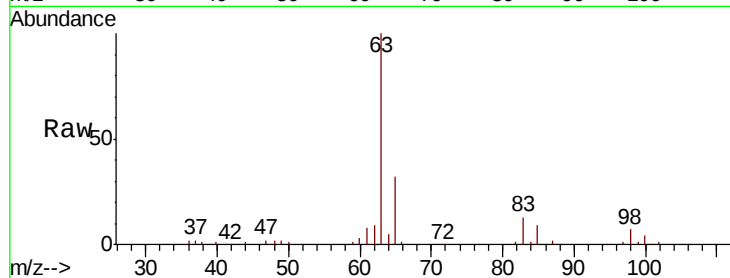
Tot Ion: 63 Resp: 99809

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 13.3 9.8 18.2



#21

2-Butanone

Concen: 52.118 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.00 min

Lab File: VV015898.D

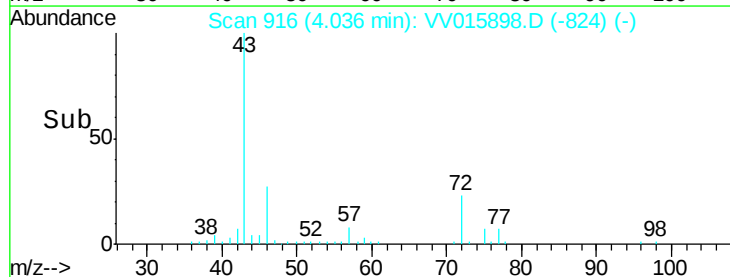
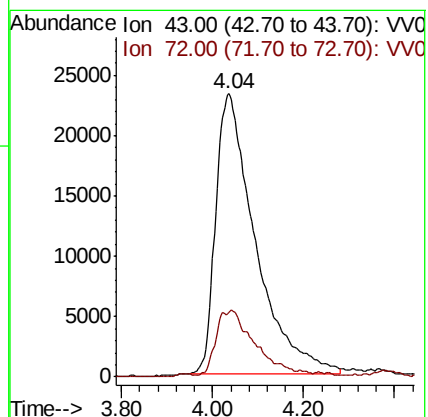
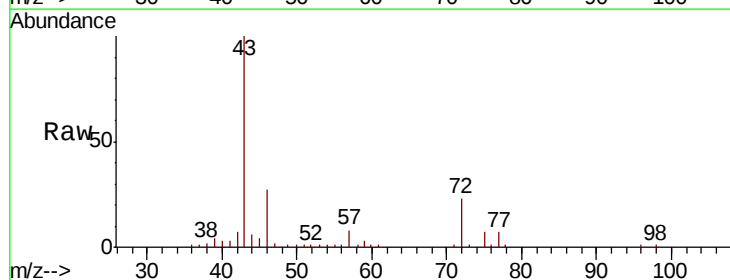
Acq: 05 May 2020 13:11

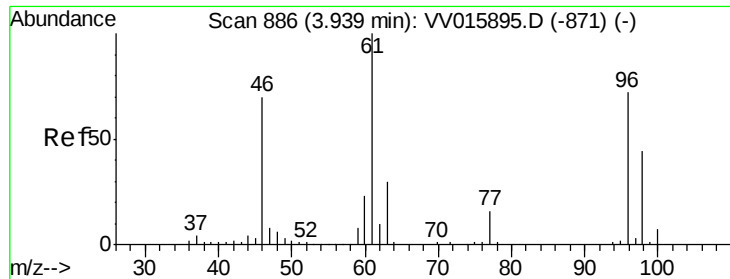
Tgt Ion: 43 Resp: 139716

Ion Ratio Lower Upper

43 100

72 6.3 10.5 31.5#

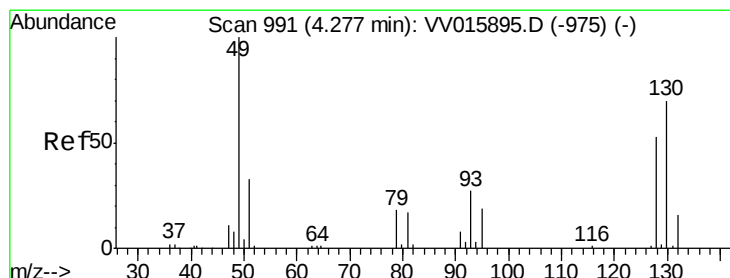
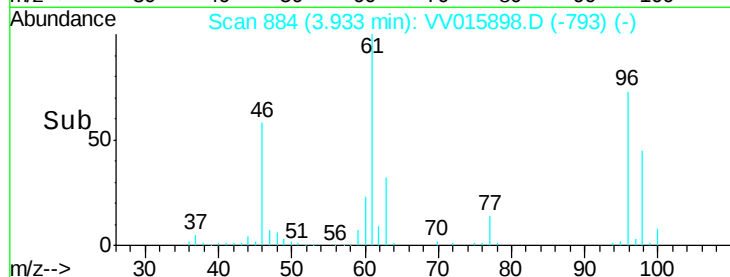
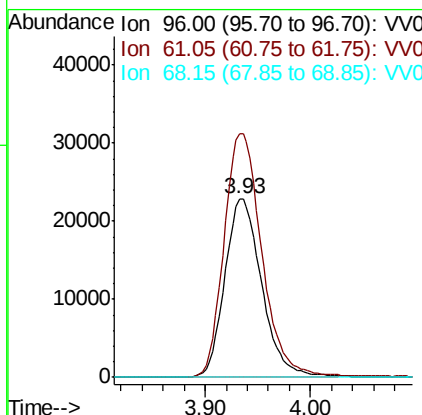
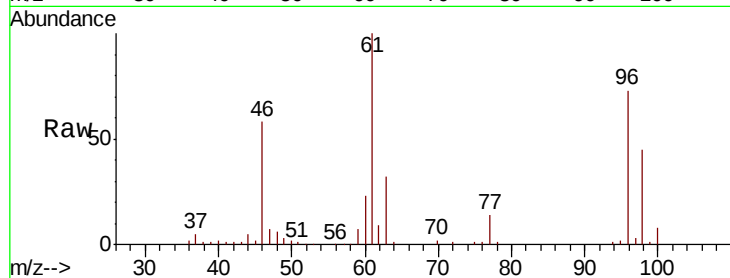




#22
 cis-1,2-Dichloroethene
 Concen: 5.180 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

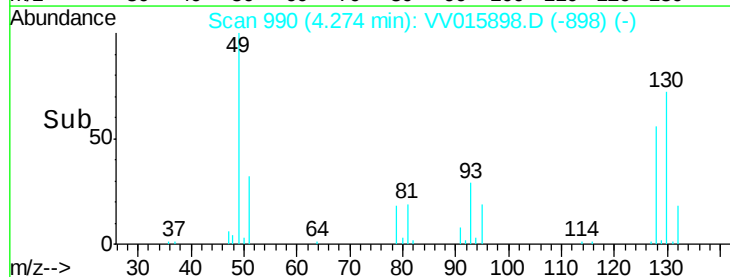
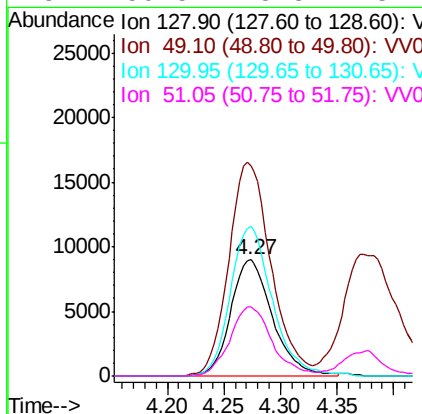
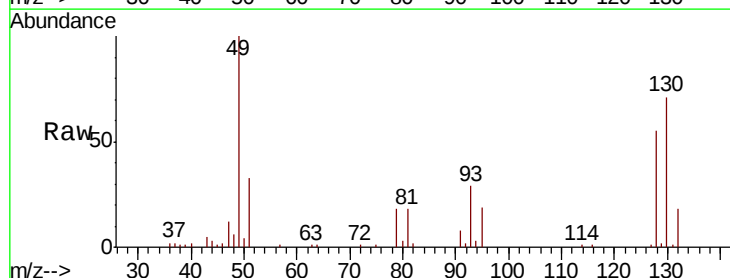
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

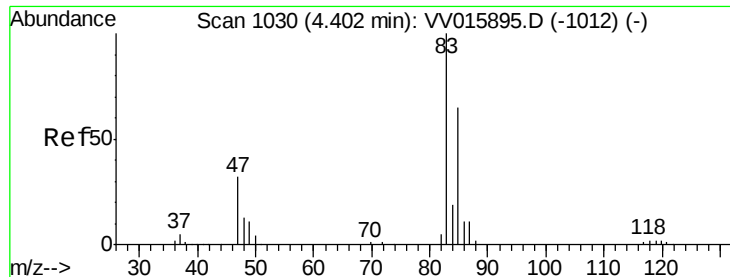
Tot Ion: 96 Resp: 55575
 Ion Ratio Lower Upper
 96 100
 61 136.2 97.2 180.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.166 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

Tgt Ion: 128 Resp: 23124
 Ion Ratio Lower Upper
 128 100
 49 180.9 131.3 243.8
 130 128.8 91.8 170.4
 51 59.5 48.8 73.2

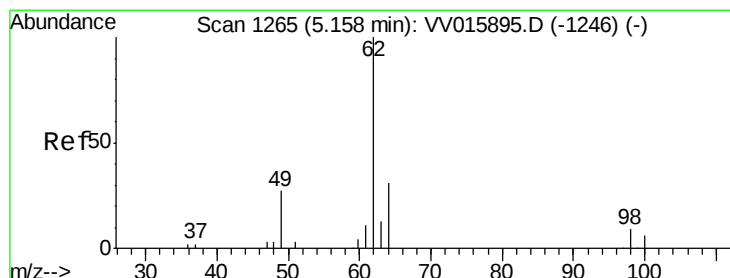
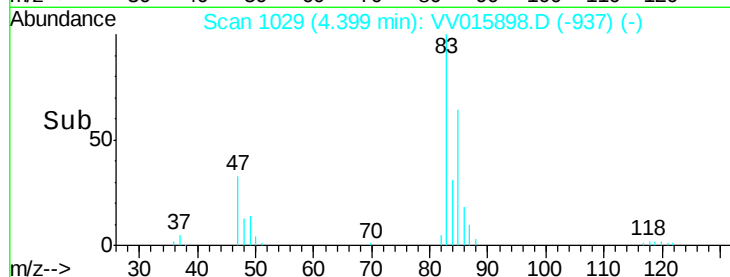
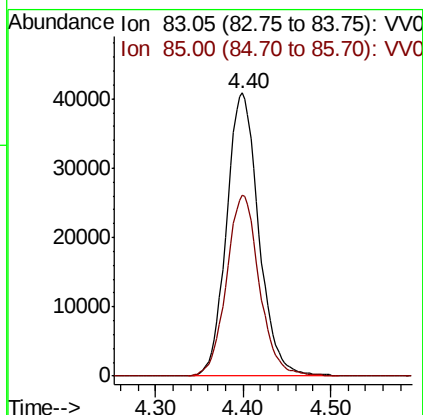
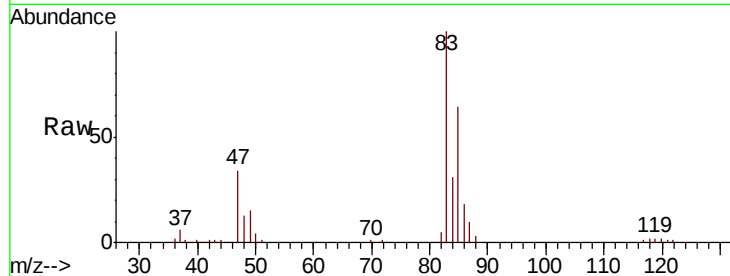




#25
Chloroform
Concen: 4.877 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015898.D
Acq: 05 May 2020 13:11

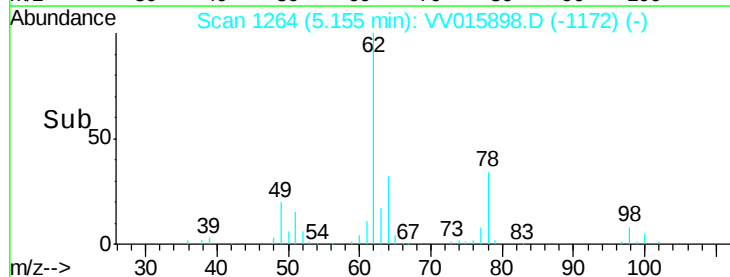
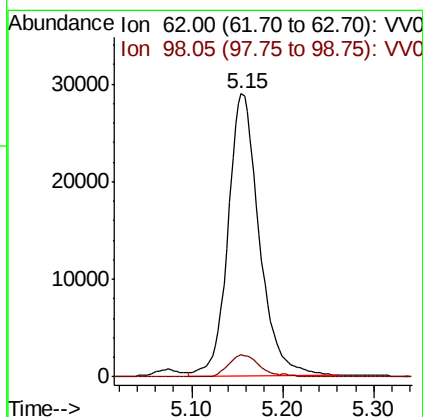
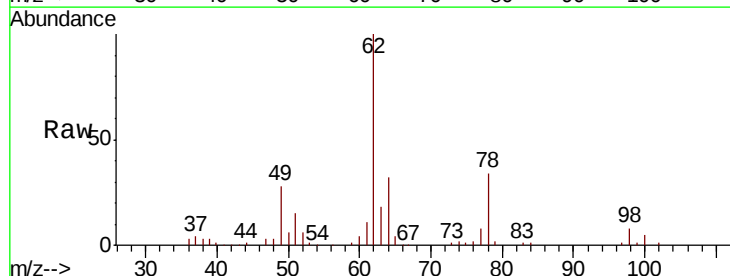
Instrument :
MSVOA_V
ClientSampleId :
VICV35

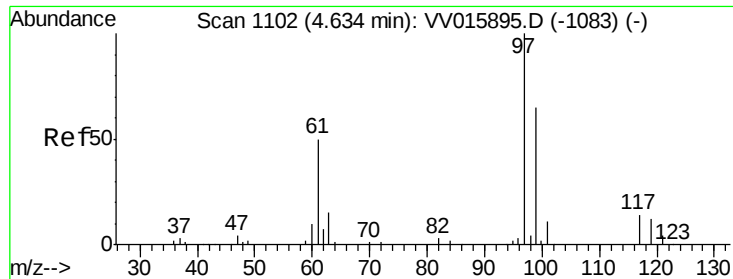
Tot Ion: 83 Resp: 104322
Ion Ratio Lower Upper
83 100
85 63.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.170 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015898.D
Acq: 05 May 2020 13:11

Tgt Ion: 62 Resp: 68515
Ion Ratio Lower Upper
62 100
98 7.7 6.7 10.1

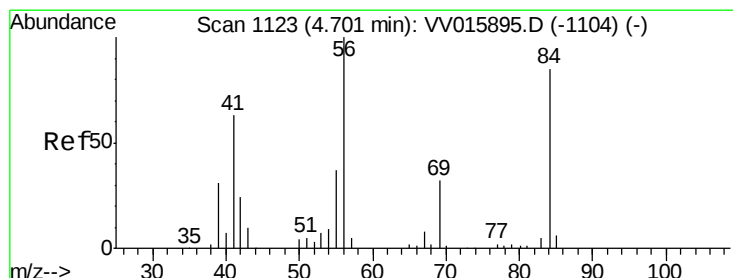
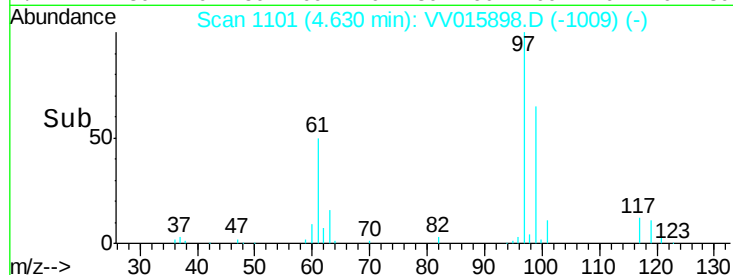
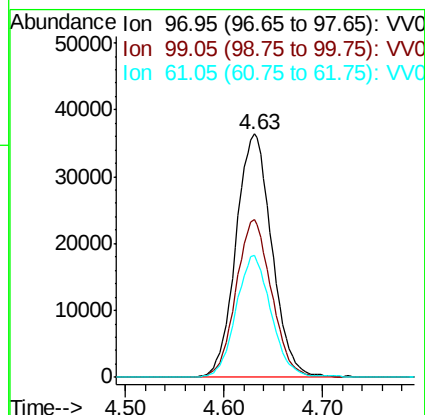
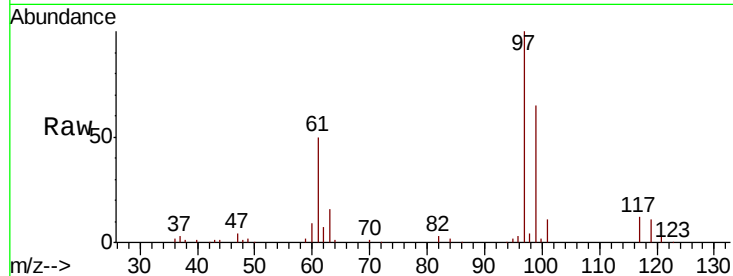




#29
 1,1,1-Trichloroethane
 Concen: 5.192 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

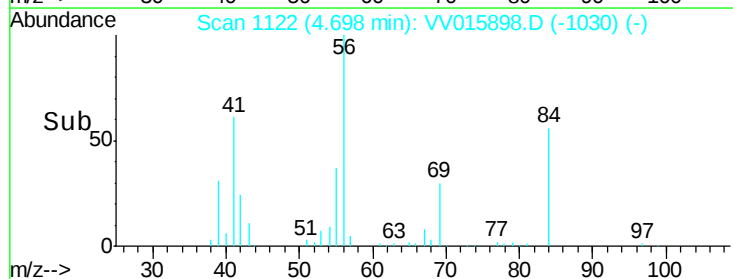
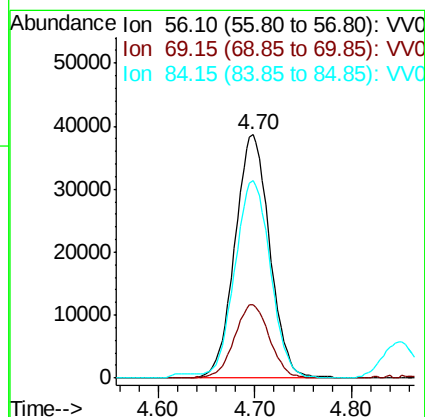
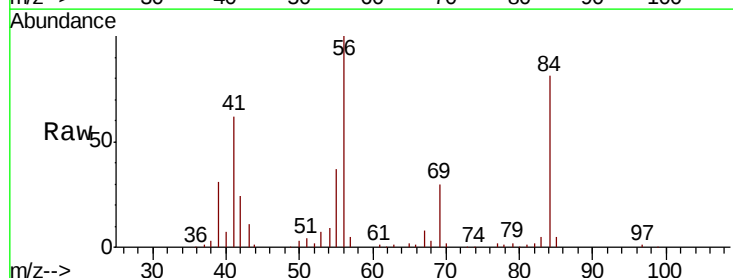
Instrument :
 MSVOA_V
 ClientSampled :
 VICV35

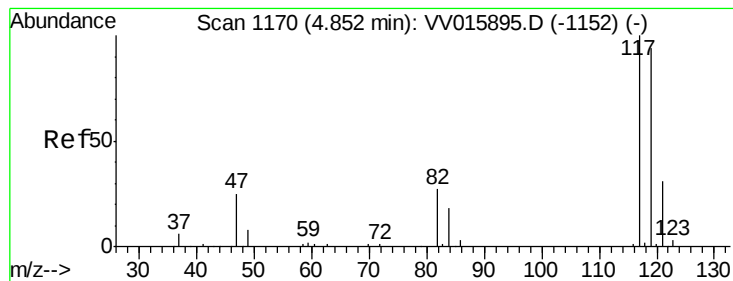
Tot Ion: 97 Resp: 91988
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.7 76.1
 61 48.8 38.8 58.2



#30
 Cyclohexane
 Concen: 5.329 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

Tgt Ion: 56 Resp: 96612
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.2 36.2
 84 83.6 68.3 102.5





#31

Carbon tetrachloride

Concen: 5.242 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

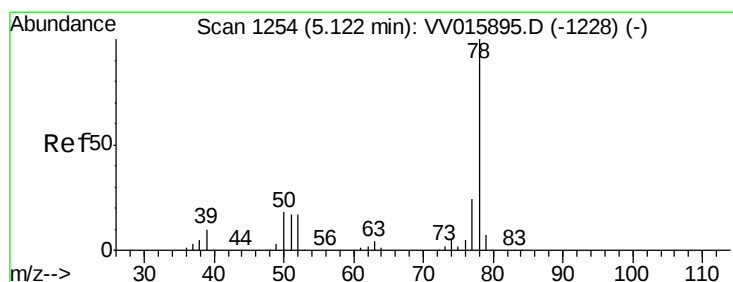
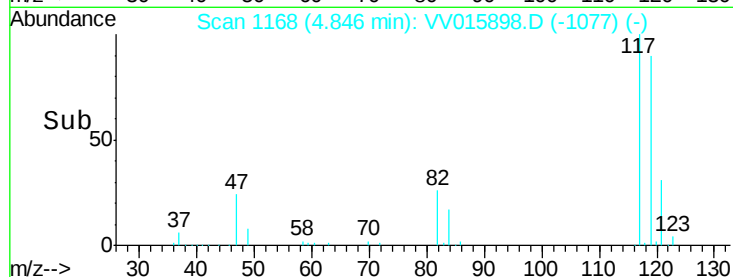
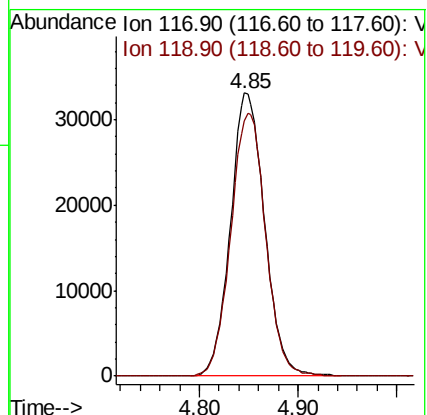
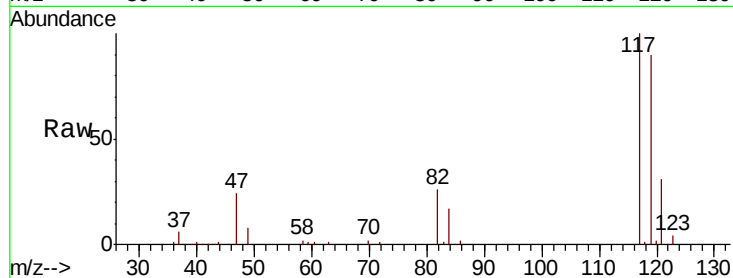
VICV35

Tot Ion:117 Resp: 79764

Ion Ratio Lower Upper

117 100

119 94.6 77.3 115.9



#33

Benzene

Concen: 5.307 ug/L

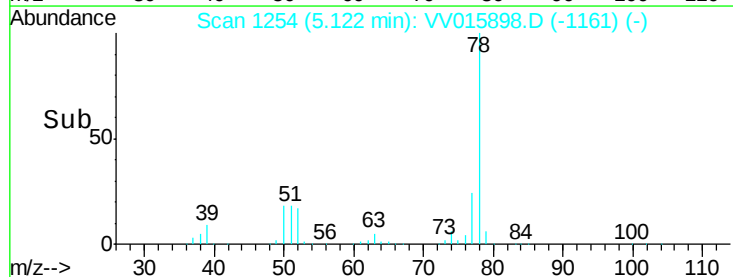
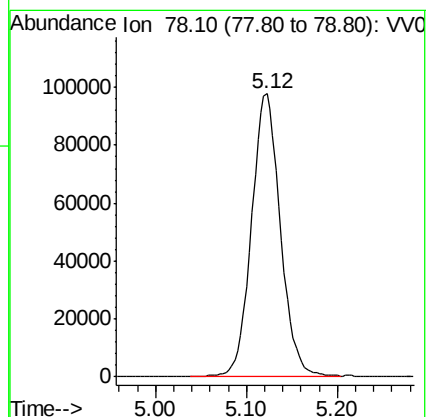
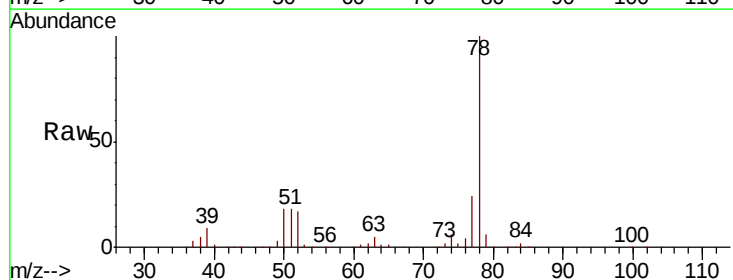
RT: 5.12 min Scan# 1254

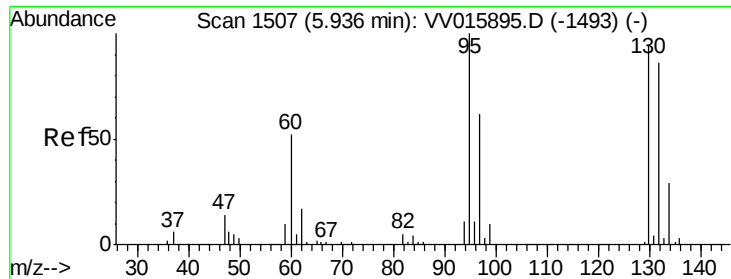
Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Tgt Ion: 78 Resp: 216000





#34

Trichloroethene

Concen: 5.268 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampled :

VICV35

Tot Ion: 95 Resp: 58328

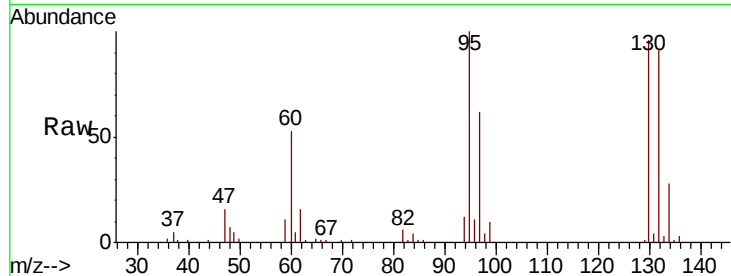
Ion Ratio Lower Upper

95 100

97 62.4 43.3 80.5

132 90.8 60.3 112.1

130 96.3 66.0 122.6

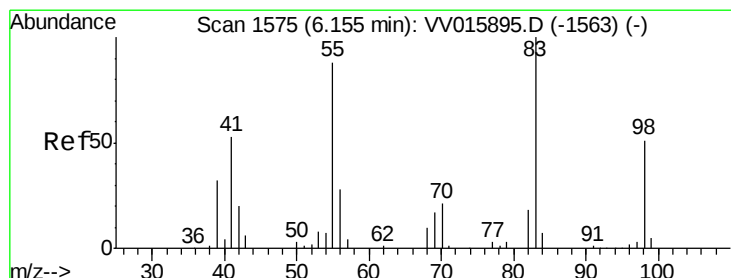
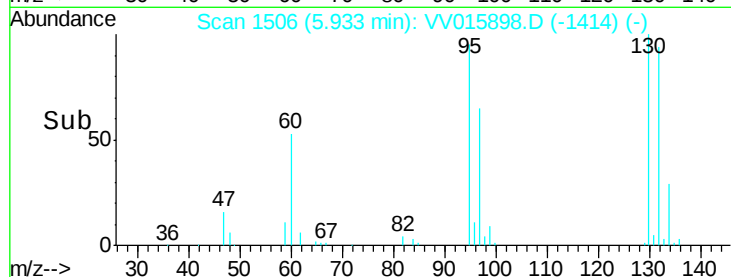
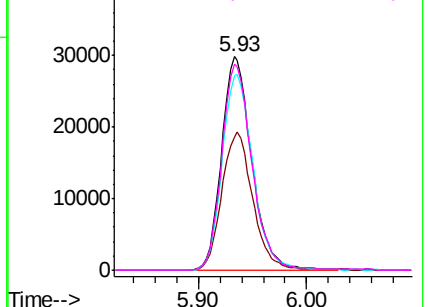


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.235 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

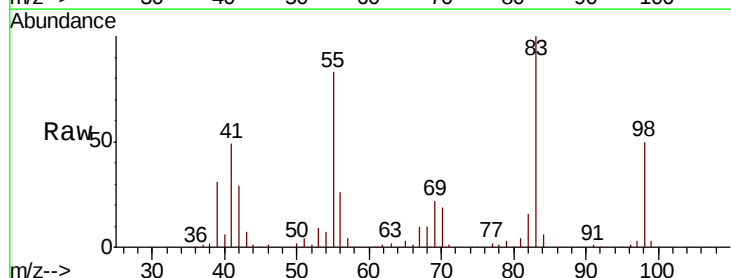
Tgt Ion: 83 Resp: 94841

Ion Ratio Lower Upper

83 100

55 85.4 66.2 99.2

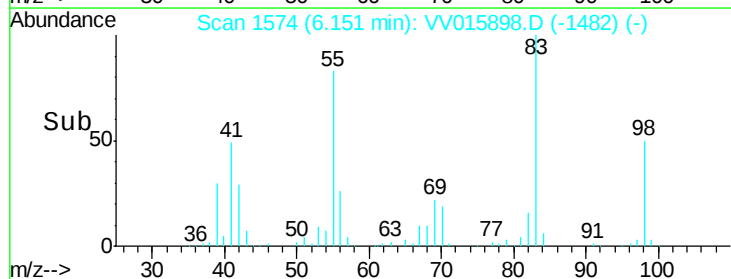
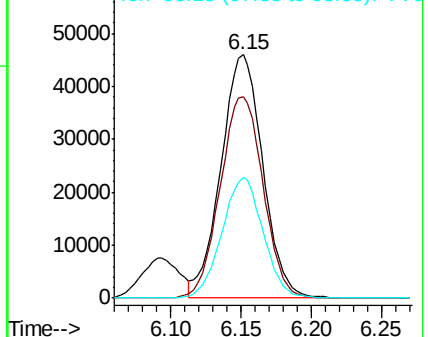
98 49.2 37.9 56.9

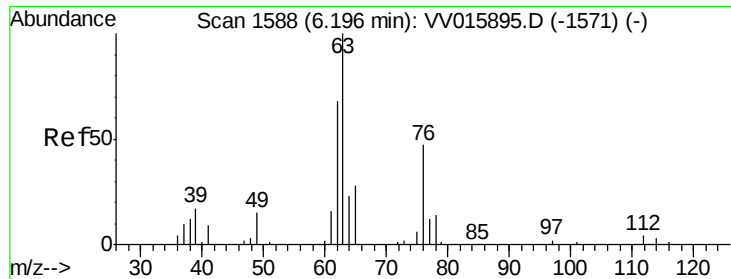


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

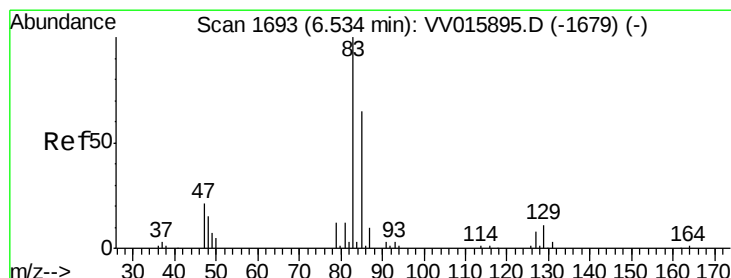
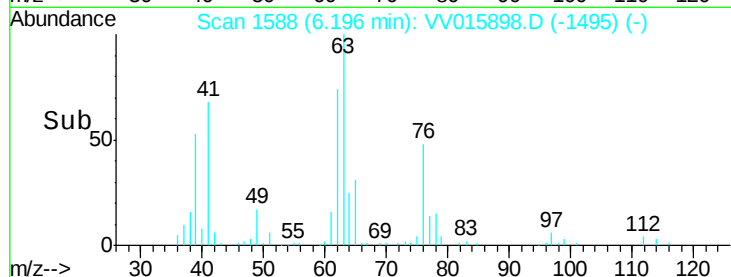
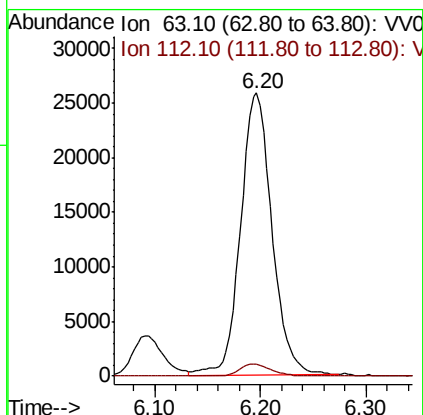
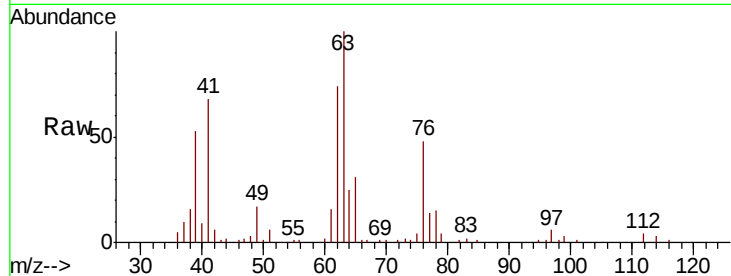




#37
 1,2-Dichloropropane
 Concen: 5.237 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

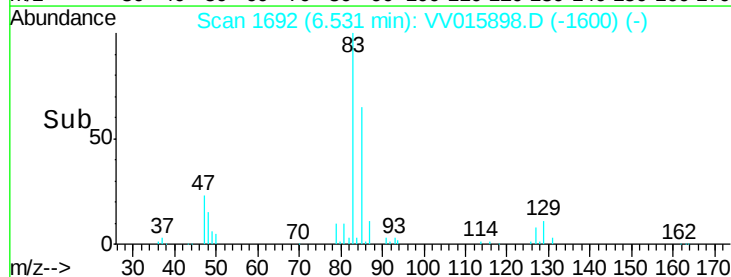
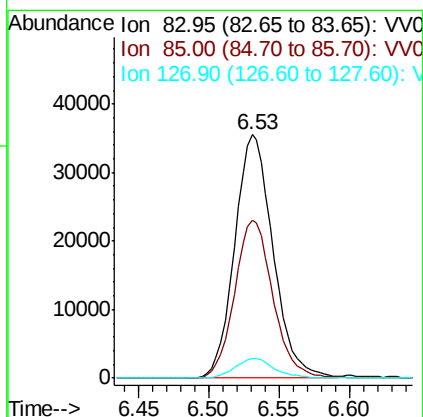
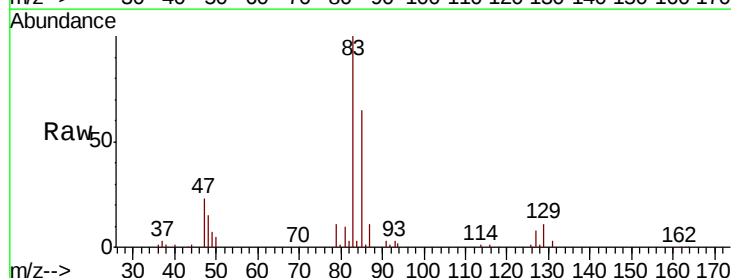
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

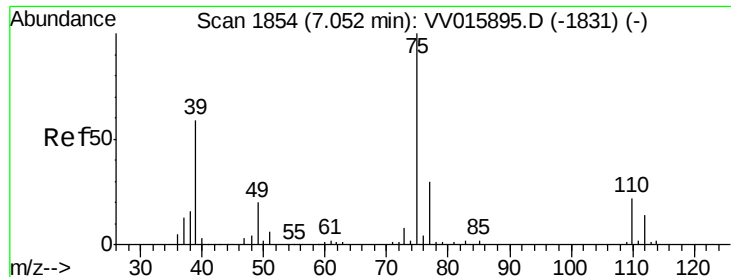
Tot Ion: 63 Resp: 53292
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.318 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

Tgt Ion: 83 Resp: 67781
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.5 84.5
 127 8.0 6.2 9.4

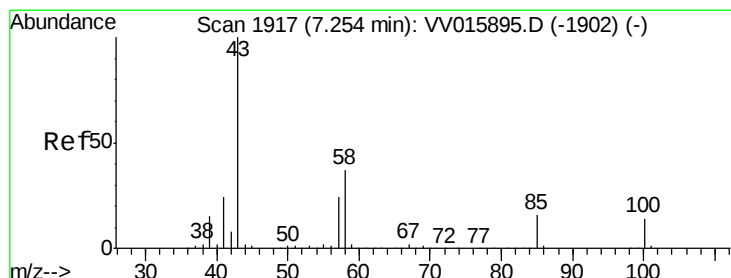
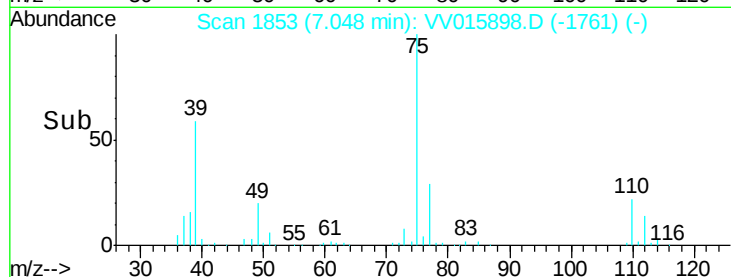
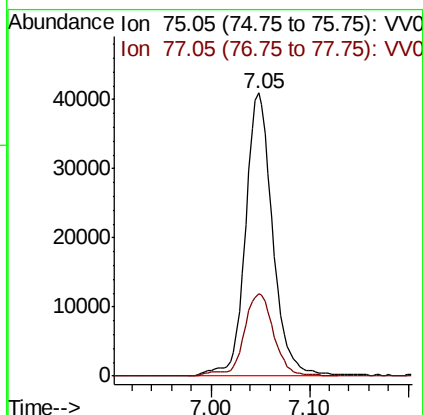
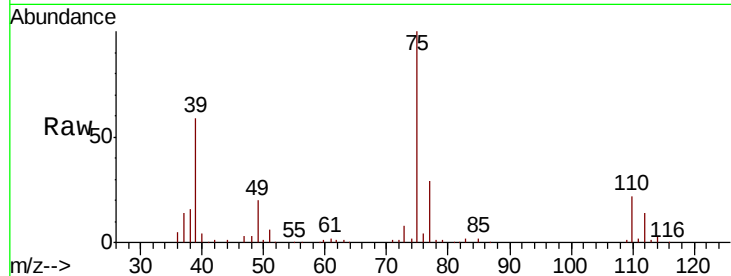




#39
 cis-1,3-Dichloropropene
 Concen: 5.452 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

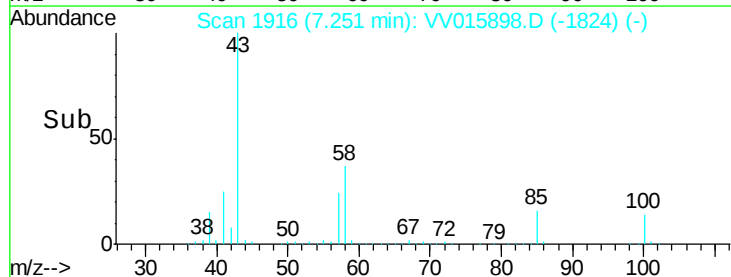
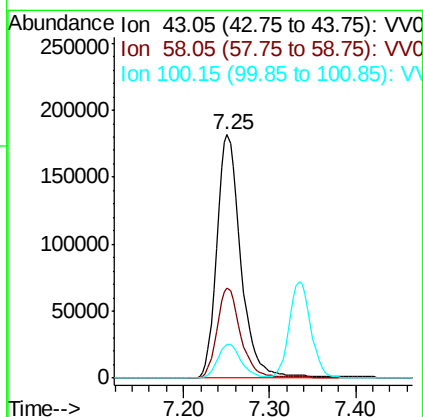
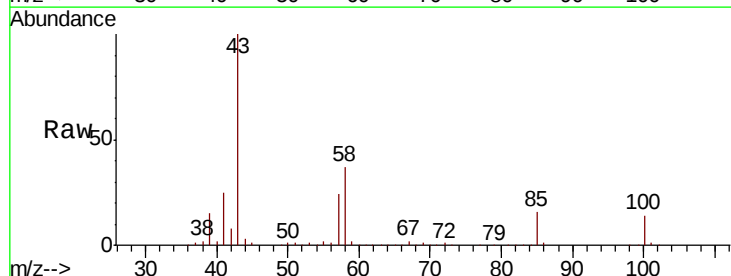
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

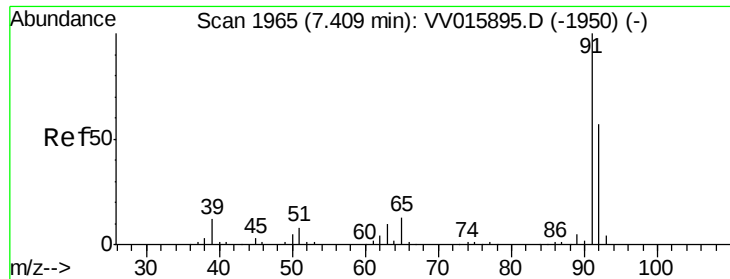
Tot Ion: 75 Resp: 78057
 Ion Ratio Lower Upper
 75 100
 77 29.0 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 54.469 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

Tgt Ion: 43 Resp: 353790
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.0 43.4
 100 13.7 10.9 16.3





#42

Toluene

Concen: 5.318 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

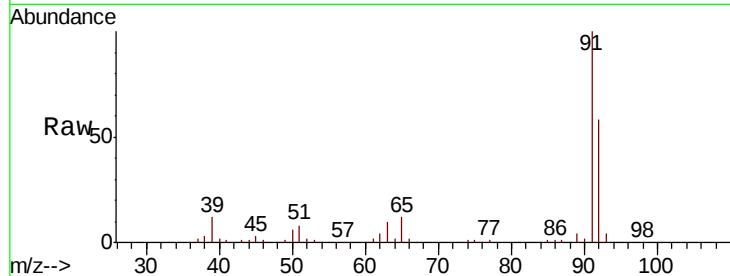
VICV35

Tot Ion: 91 Resp: 230298

Ion Ratio Lower Upper

91 100

92 58.2 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

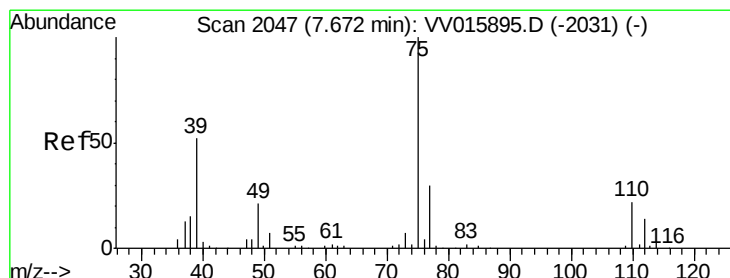
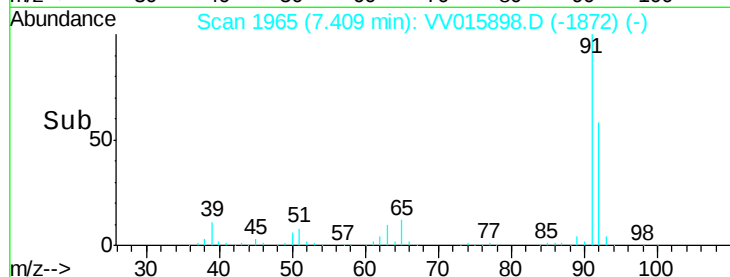
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.477 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015898.D

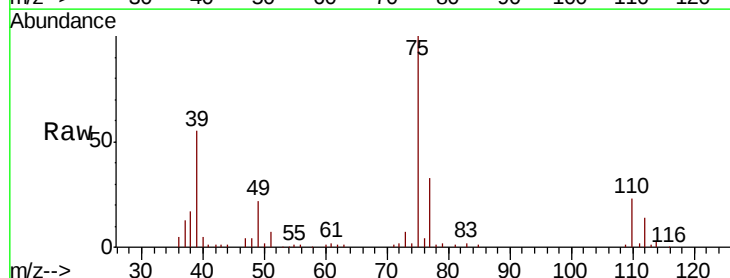
Acq: 05 May 2020 13:11

Tgt Ion: 75 Resp: 66369

Ion Ratio Lower Upper

75 100

77 32.8 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

40000

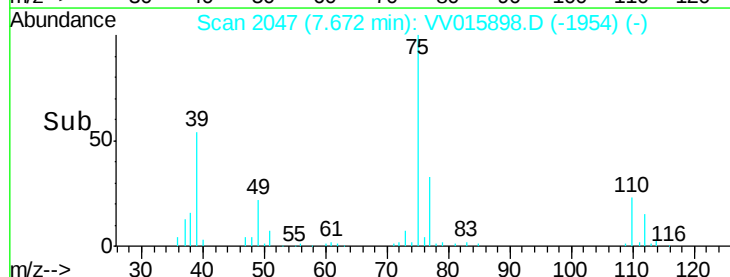
30000

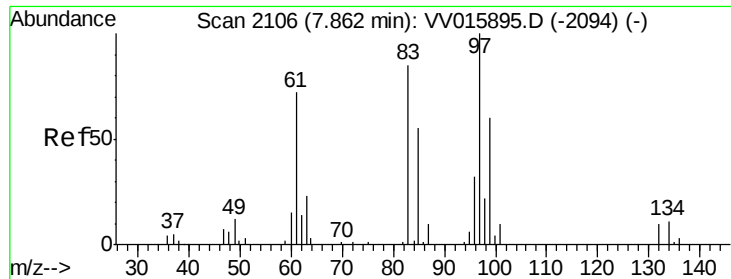
20000

10000

0

Time-->

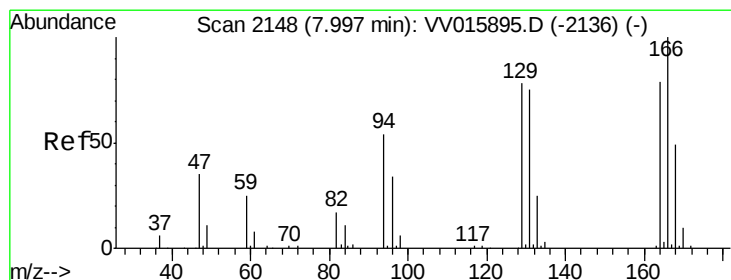
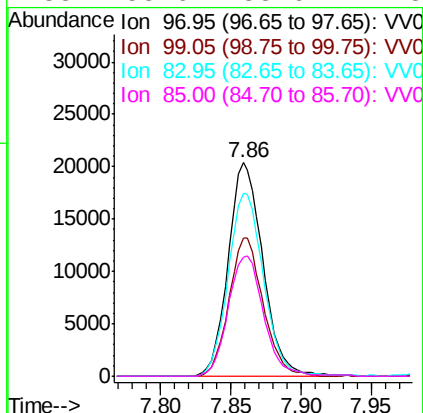
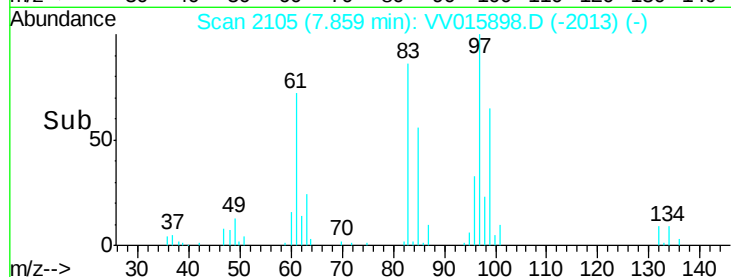
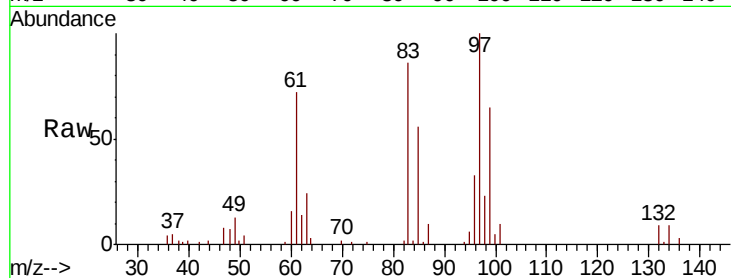




#45
1,1,2-Trichloroethane
Concen: 5.121 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV015898.D
Acq: 05 May 2020 13:11

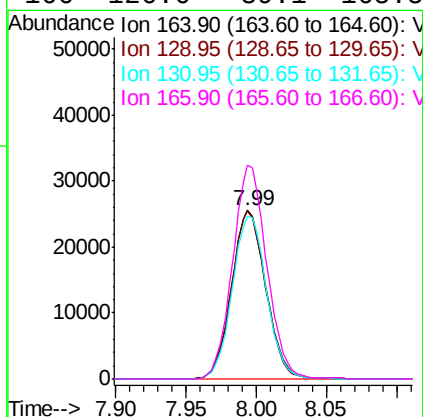
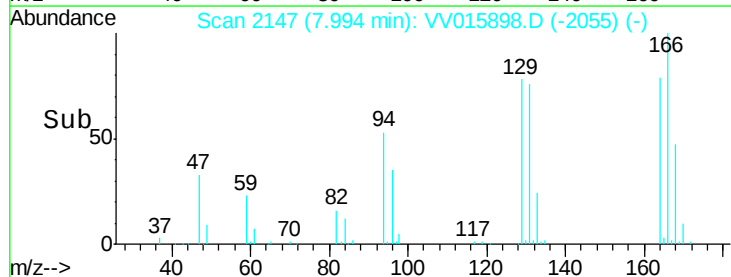
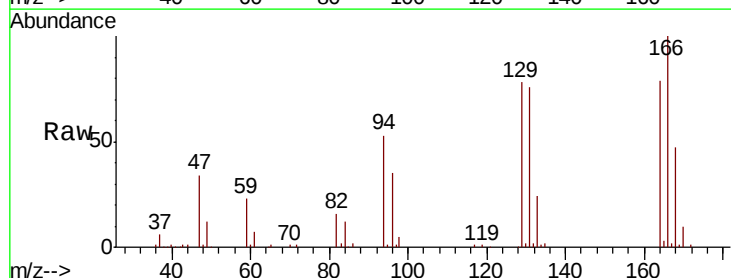
Instrument :
MSVOA_V
ClientSampleId :
VICV35

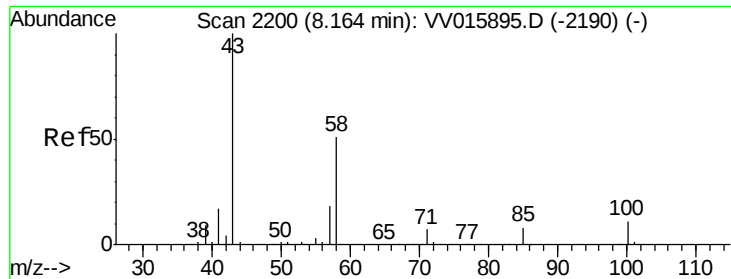
Tot Ion:	97	Resp:	35122
Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.1	78.1
83	85.8	59.2	110.0
85	55.6	38.6	71.8



#47
Tetrachloroethene
Concen: 5.267 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV015898.D
Acq: 05 May 2020 13:11

Tgt Ion:	164	Resp:	43490
Ion	Ratio	Lower	Upper
164	100		
129	99.1	69.7	129.4
131	96.1	66.8	124.2
166	126.6	89.1	165.5

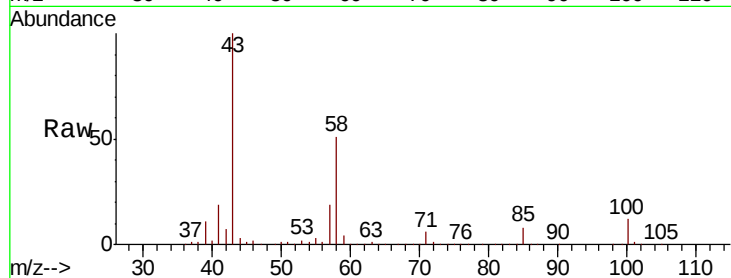




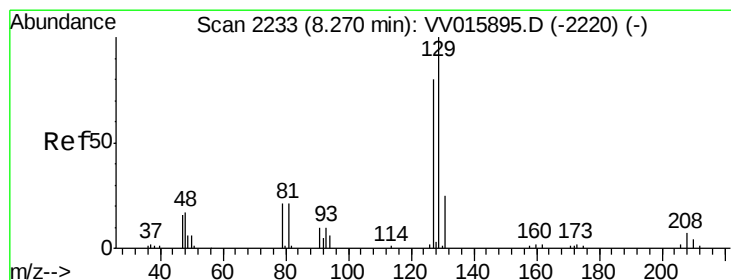
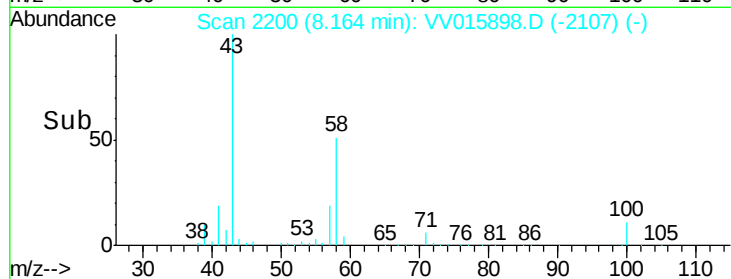
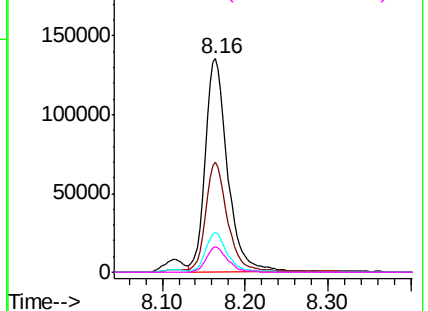
#48
2-Hexanone
Concen: 56.454 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015898.D
Acq: 05 May 2020 13:11

Instrument :
MSVOA_V
ClientSampleId :
VICV35

Tot Ion: 43 Resp: 255932
Ion Ratio Lower Upper
43 100
58 50.7 40.8 61.2
57 18.0 14.7 22.1
100 11.6 9.0 13.6

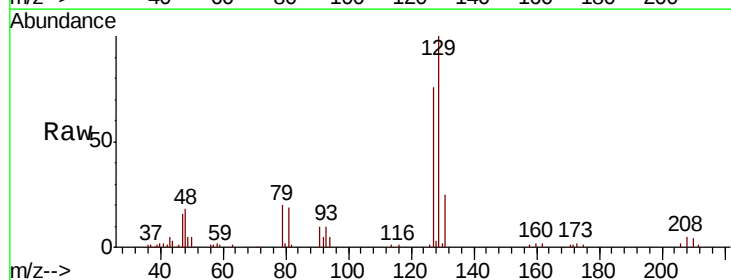


Abundance Ion 43.05 (42.75 to 43.75): VV015898.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015898.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015898.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015898.D (-2107) (-)

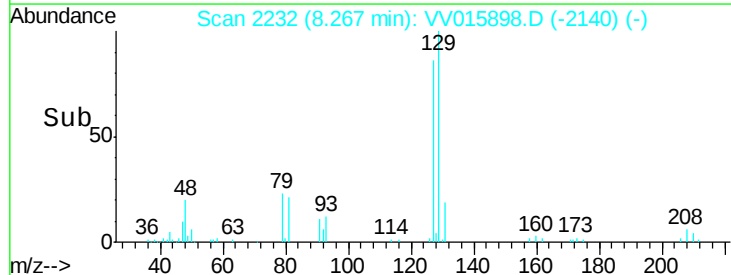
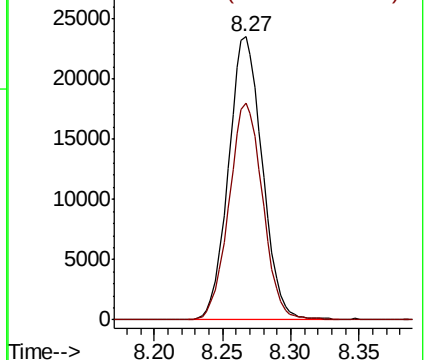


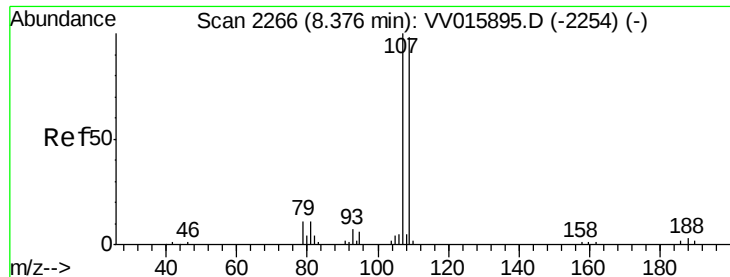
#49
Dibromochloromethane
Concen: 5.468 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015898.D
Acq: 05 May 2020 13:11

Tgt Ion: 129 Resp: 40471
Ion Ratio Lower Upper
129 100
127 76.4 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV015898.D (-2140) (-)
Ion 126.90 (126.60 to 127.60): VV015898.D (-2140) (-)

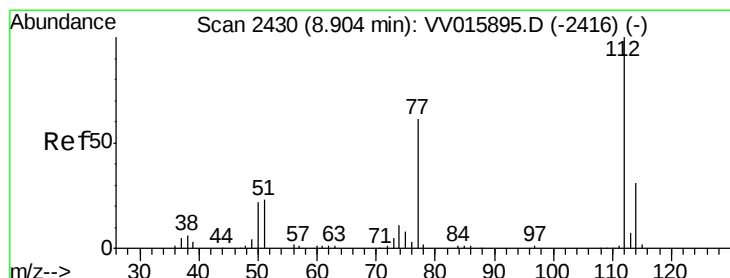
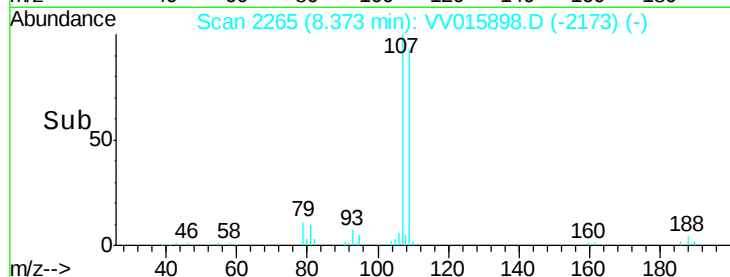
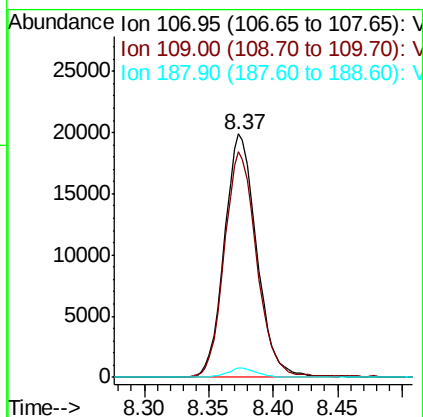
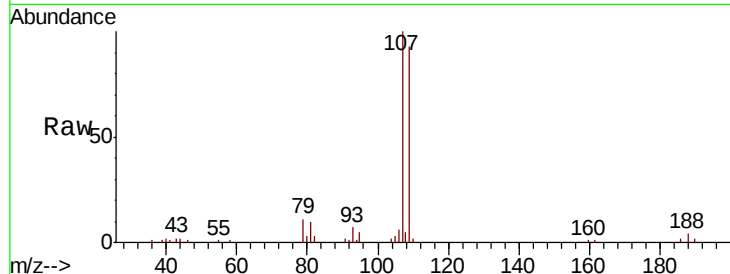




#50
 1,2-Dibromoethane
 Concen: 5.348 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

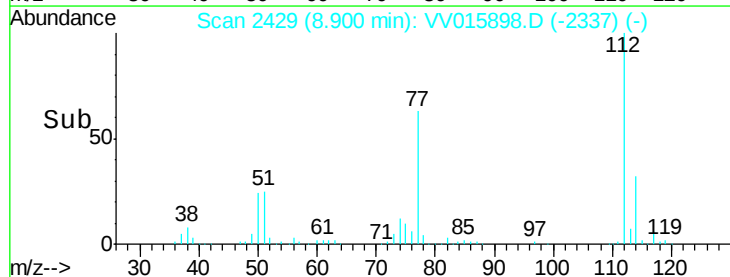
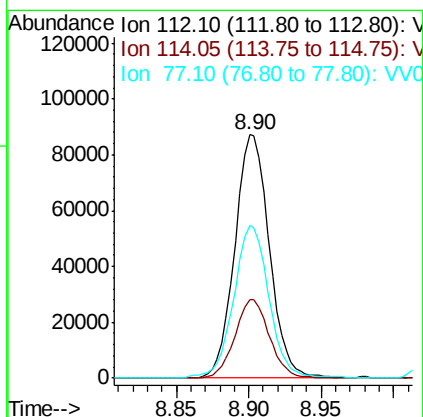
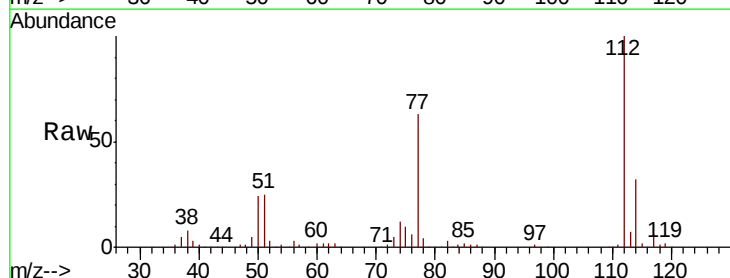
Instrument :
 MSVOA_V
 ClientSampled :
 VICV35

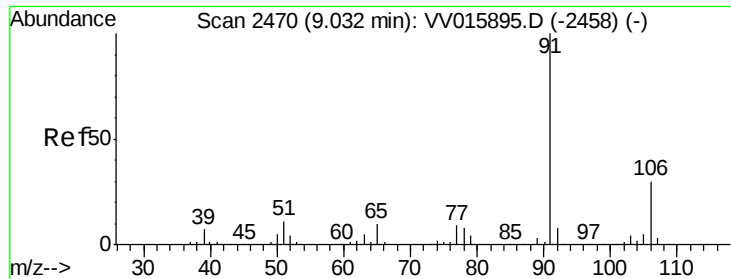
Tot Ion:107 Resp: 34609
 Ion Ratio Lower Upper
 107 100
 109 92.6 68.9 127.9
 188 3.6 2.7 4.1



#51
 Chlorobenzene
 Concen: 5.218 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

Tgt Ion:112 Resp: 144637
 Ion Ratio Lower Upper
 112 100
 114 32.2 21.6 40.0
 77 62.6 48.6 73.0

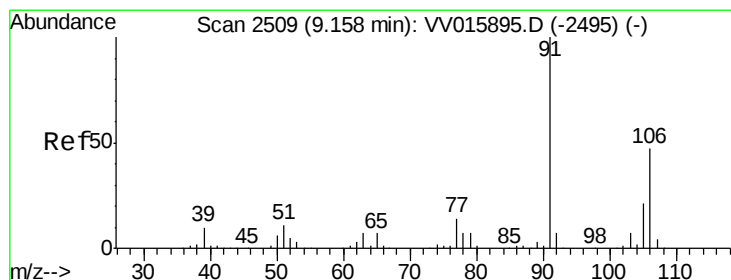
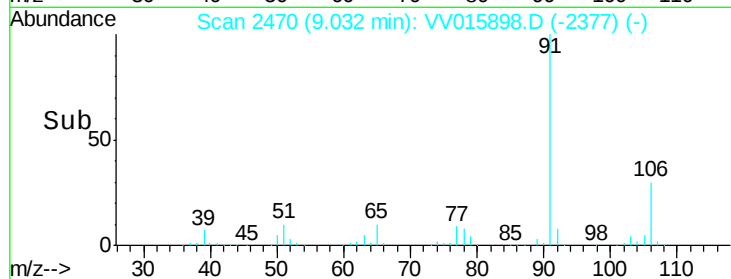
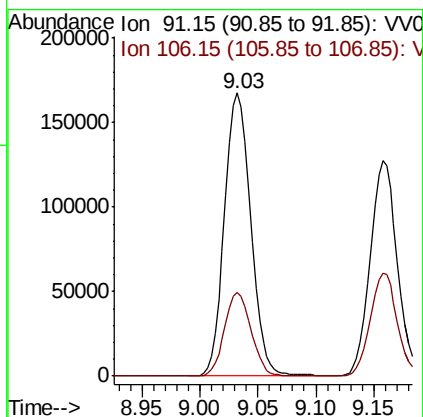
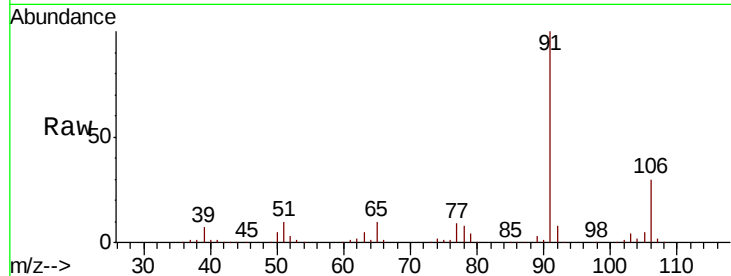




#52
Ethylbenzene
Concen: 5.352 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV015898.D
Acq: 05 May 2020 13:11

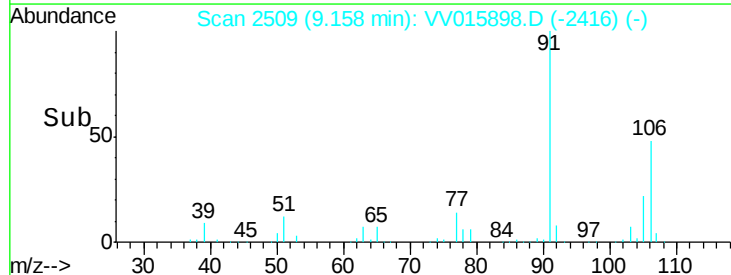
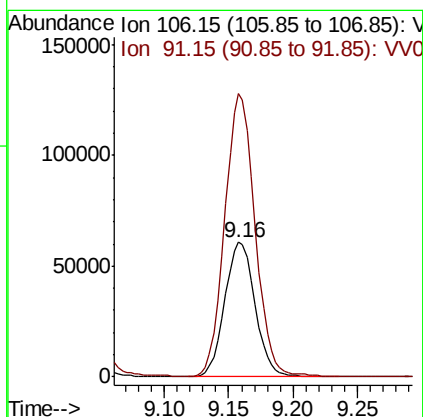
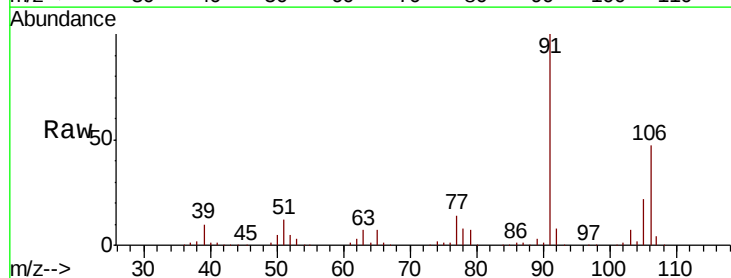
Instrument :
MSVOA_V
ClientSampleId :
VICV35

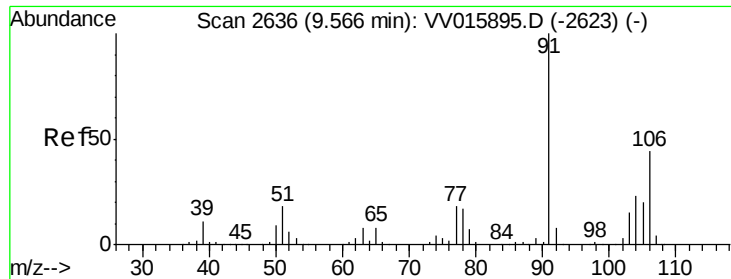
Tot Ion: 91 Resp: 263767
Ion Ratio Lower Upper
91 100
106 29.6 20.6 38.4



#53
m,p-xylene
Concen: 5.402 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV015898.D
Acq: 05 May 2020 13:11

Tgt Ion: 106 Resp: 99644
Ion Ratio Lower Upper
106 100
91 210.6 149.9 278.3





#54

o-xylene

Concen: 5.387 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

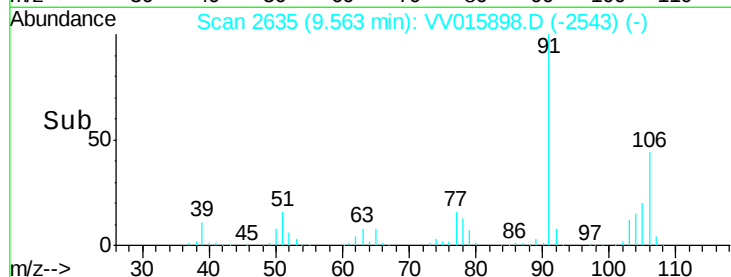
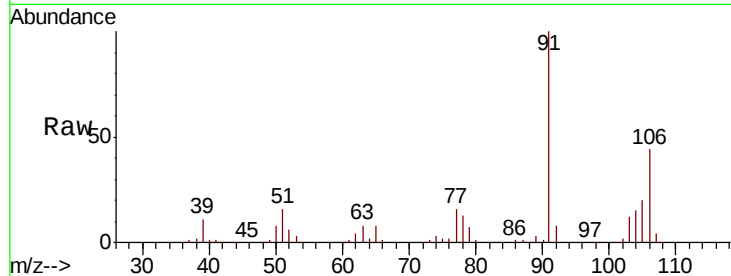
VICV35

Tot Ion:106 Resp: 94501

Ion Ratio Lower Upper

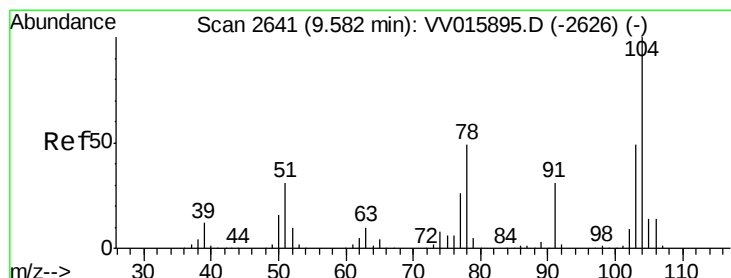
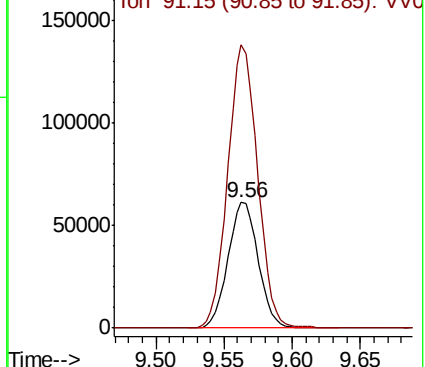
106 100

91 225.2 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.458 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV015898.D

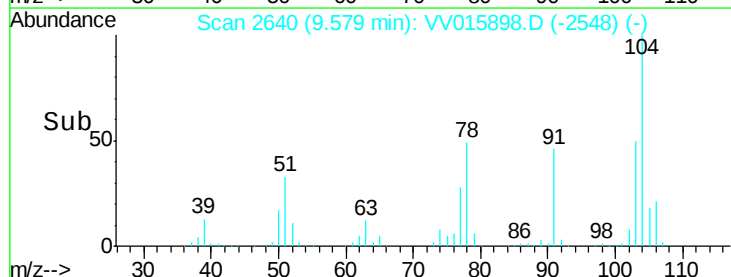
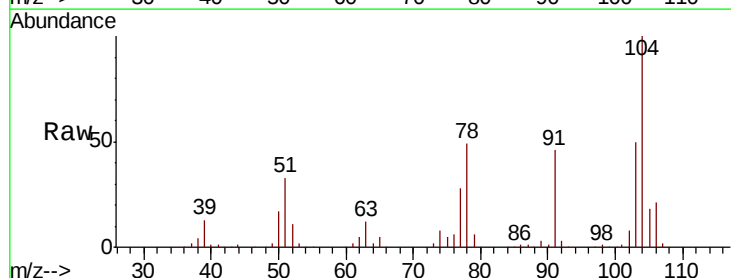
Acq: 05 May 2020 13:11

Tgt Ion:104 Resp: 160083

Ion Ratio Lower Upper

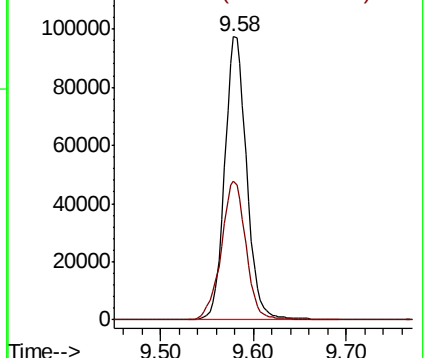
104 100

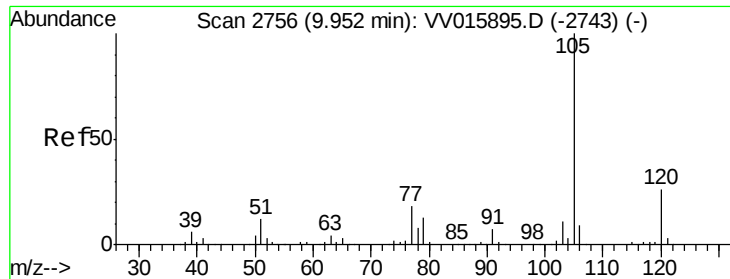
78 49.2 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.381 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampled :

VICV35

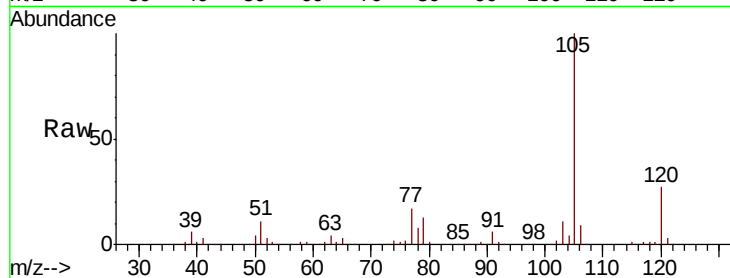
Tot Ion:105 Resp: 259628

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

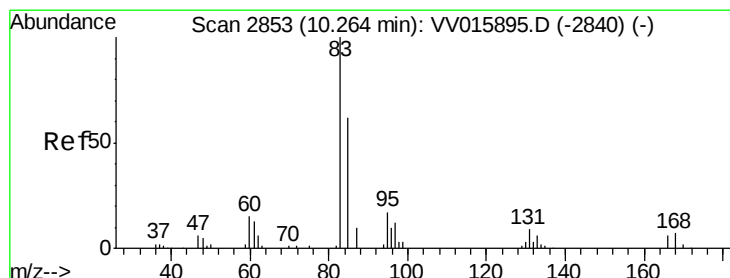
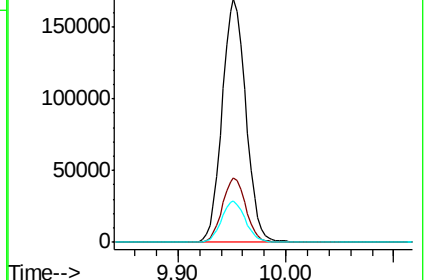
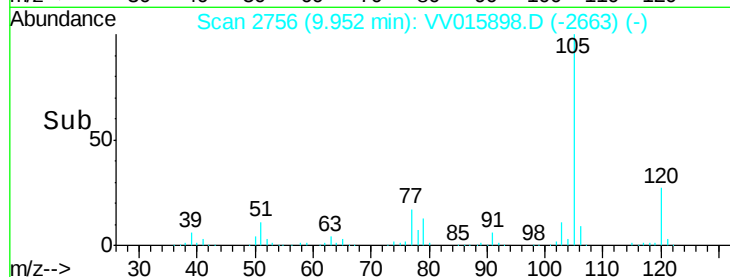
77 17.0 14.1 21.1



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



#58

1,1,2,2-Tetrachloroethane

Concen: 5.159 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

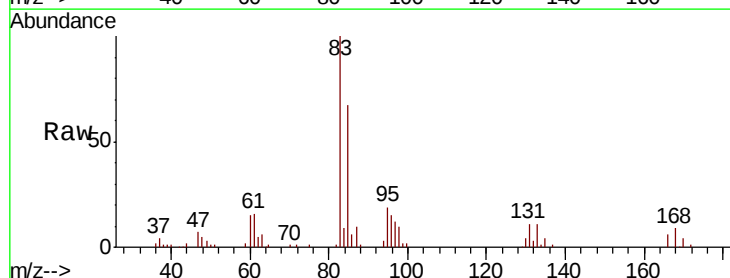
Tgt Ion: 83 Resp: 40759

Ion Ratio Lower Upper

83 100

85 67.2 44.0 81.6

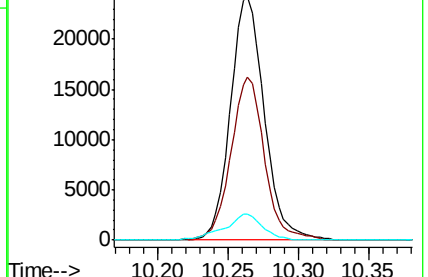
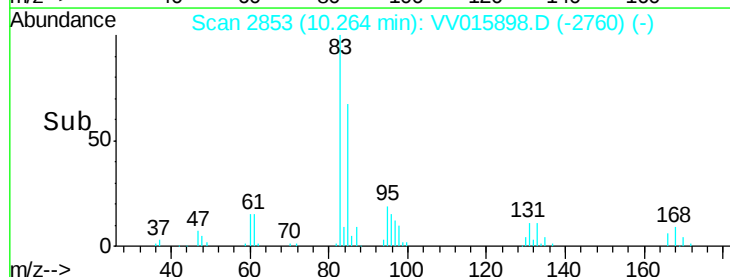
131 10.7 7.7 11.5

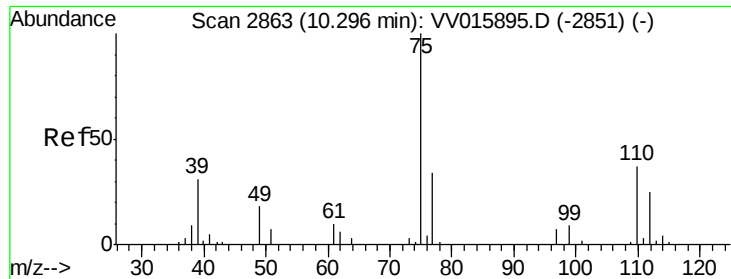


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.264 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

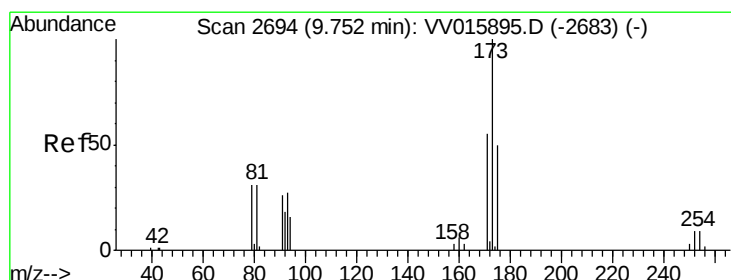
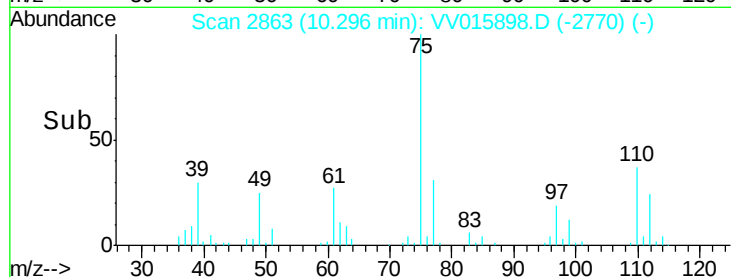
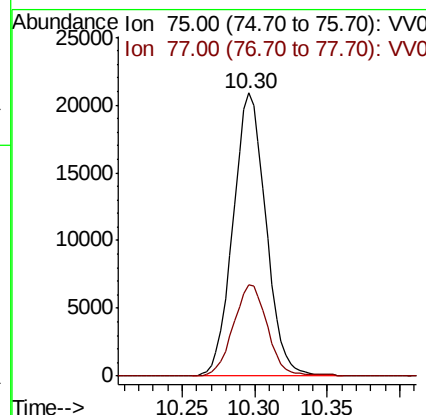
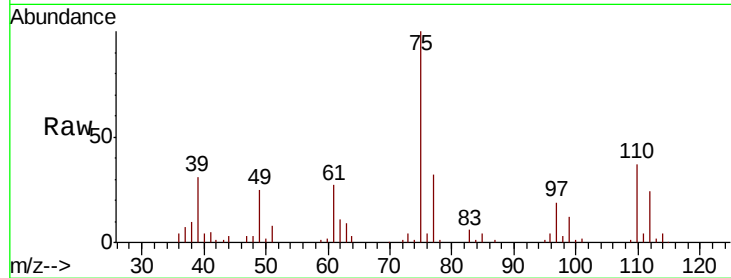
VICV35

Tot Ion: 75 Resp: 32823

Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.4



#61

Bromoform

Concen: 5.407 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

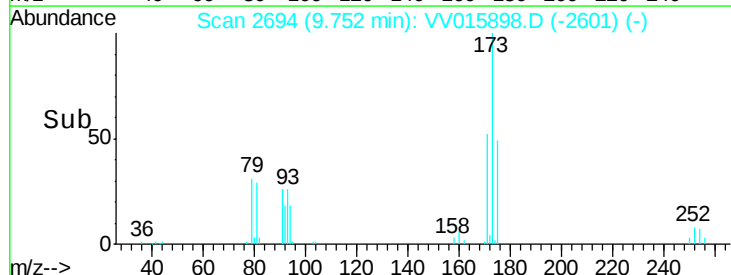
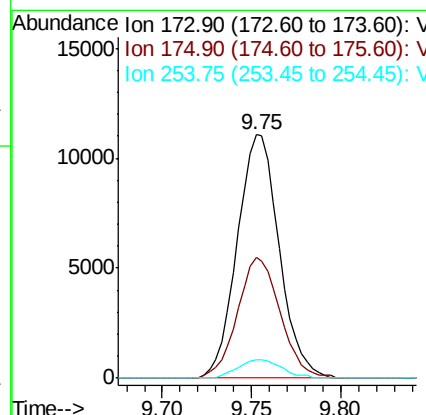
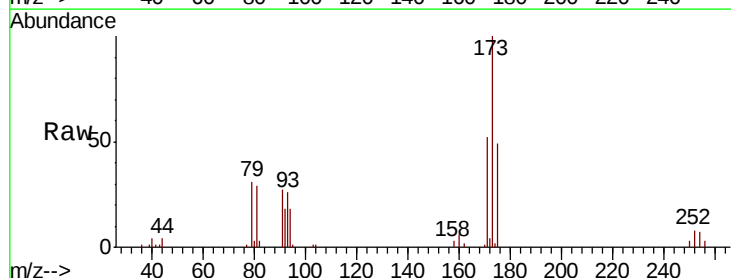
Tgt Ion: 173 Resp: 18087

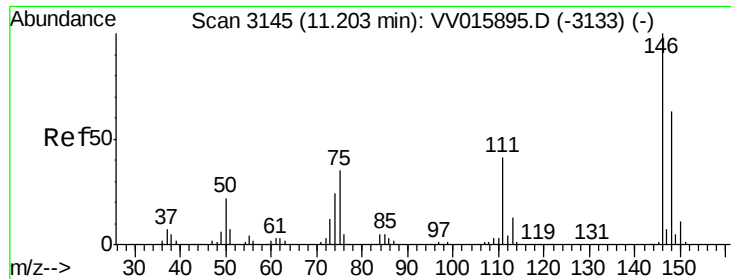
Ion Ratio Lower Upper

173 100

175 50.5 39.8 59.8

254 7.9 7.1 10.7

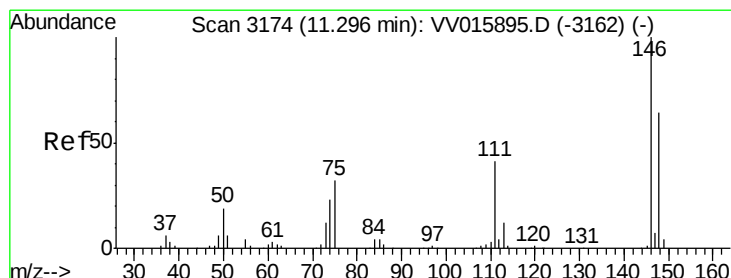
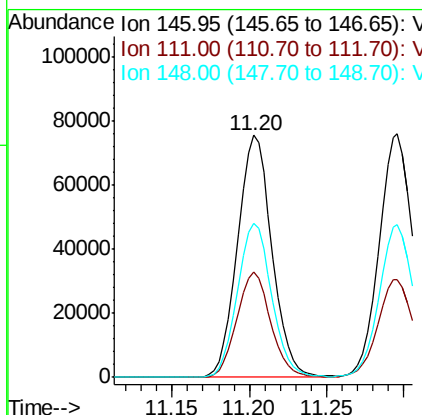
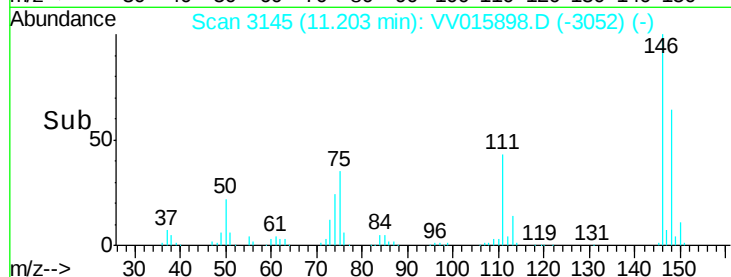
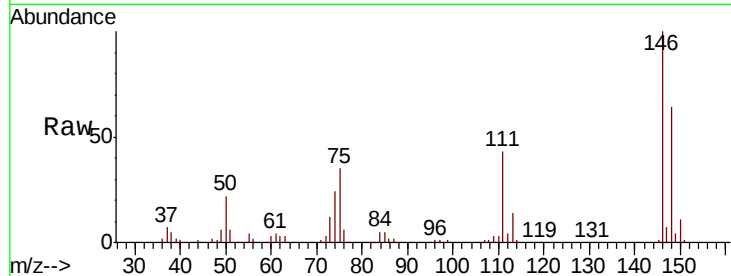




#62
 1,3-Dichlorobenzene
 Concen: 5.267 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

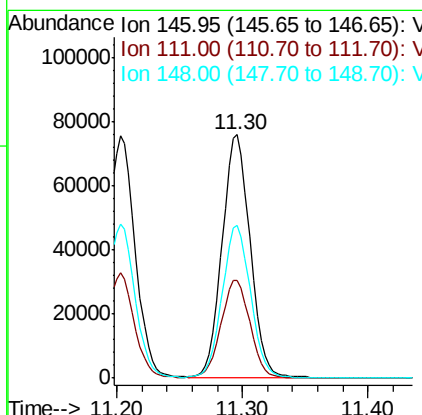
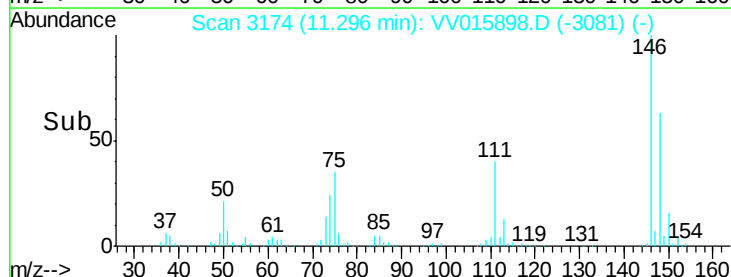
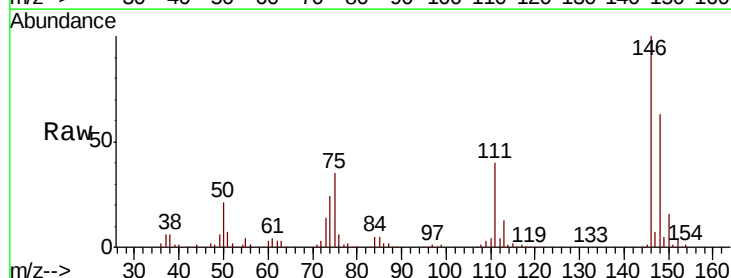
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

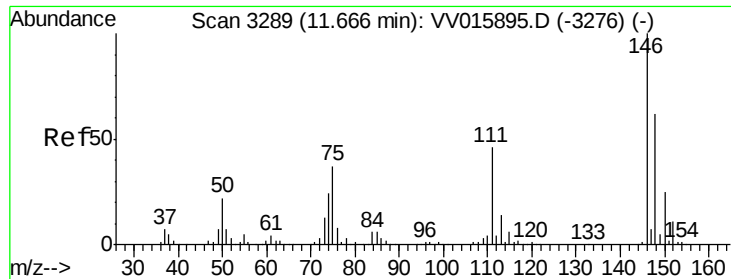
Tot Ion:146 Resp: 116612
 Ion Ratio Lower Upper
 146 100
 111 43.3 28.7 53.3
 148 63.9 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 5.348 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

Tgt Ion:146 Resp: 117348
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.9 53.7
 148 62.9 44.6 82.8





#65

1,2-Dichlorobenzene

Concen: 5.378 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV35

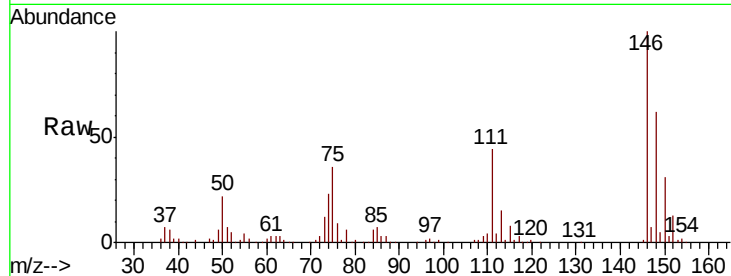
Tot Ion:146 Resp: 107913

Ion Ratio Lower Upper

146 100

111 43.7 37.0 55.4

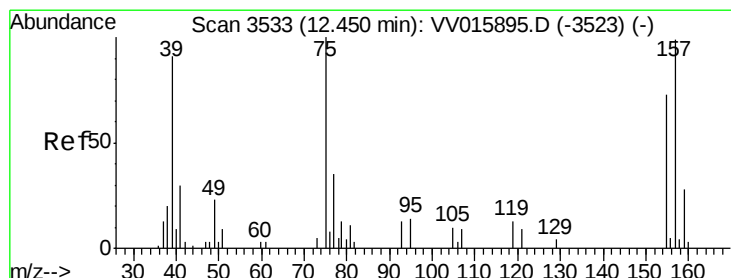
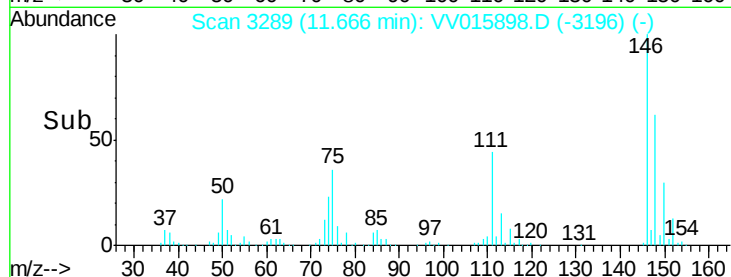
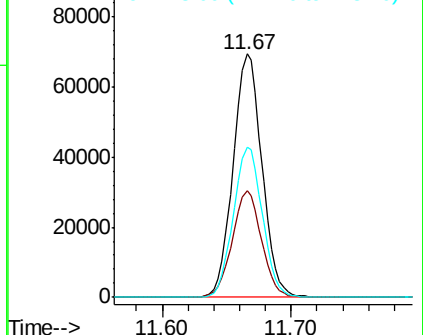
148 61.8 49.8 74.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.140 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

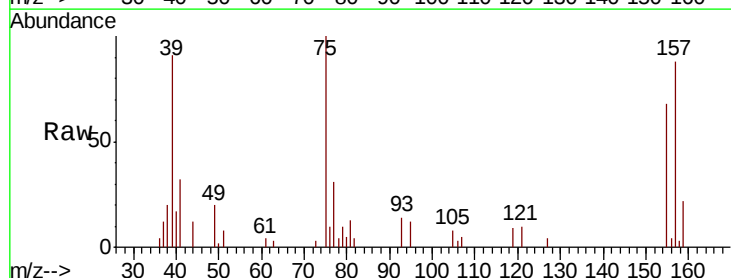
Tgt Ion: 75 Resp: 7165

Ion Ratio Lower Upper

75 100

155 68.1 58.2 87.4

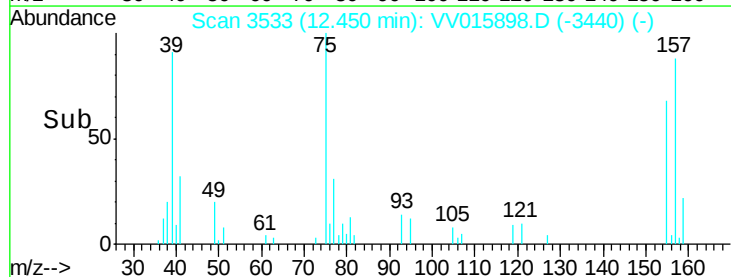
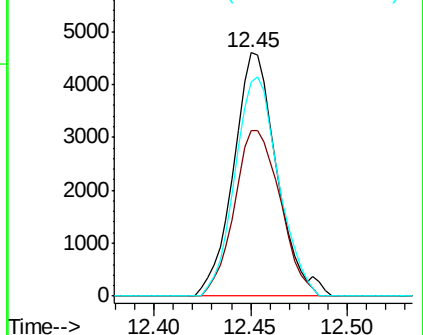
157 87.8 79.4 119.2

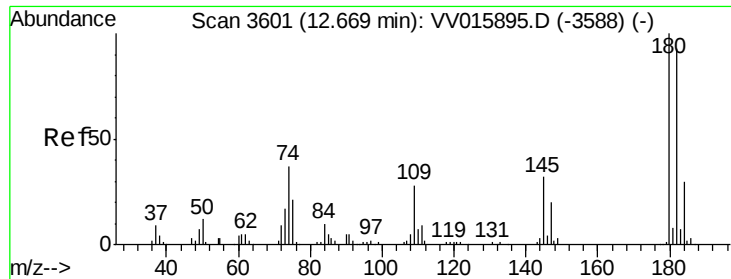


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

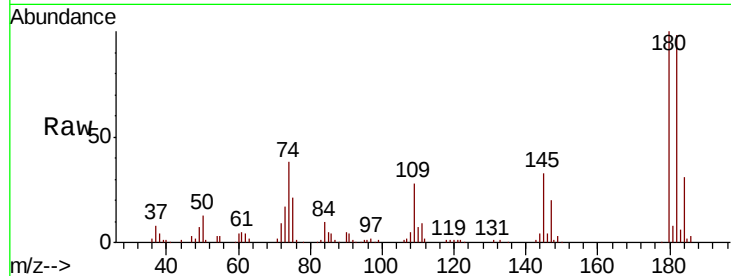




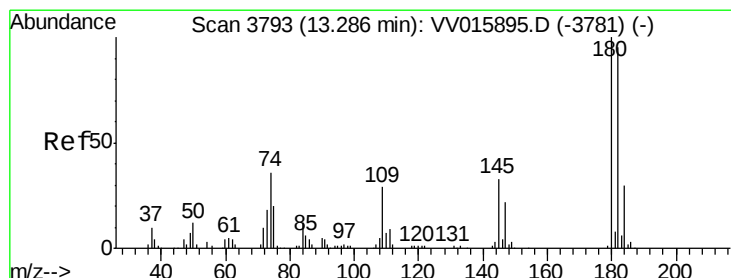
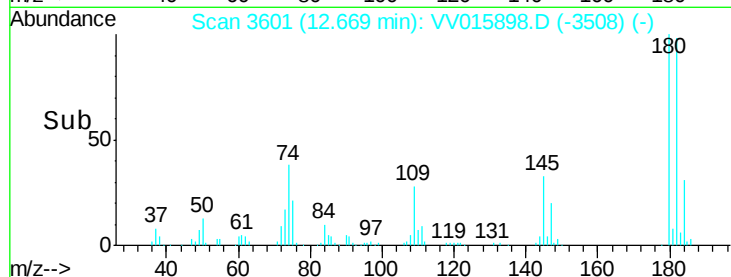
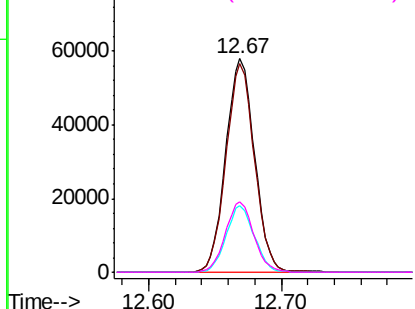
#67
 1,3,5-Trichlorobenzene
 Concen: 5.325 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

Tot Ion:180 Resp: 87697
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.8 113.6
 184 30.2 24.6 36.8
 145 32.4 26.0 39.0

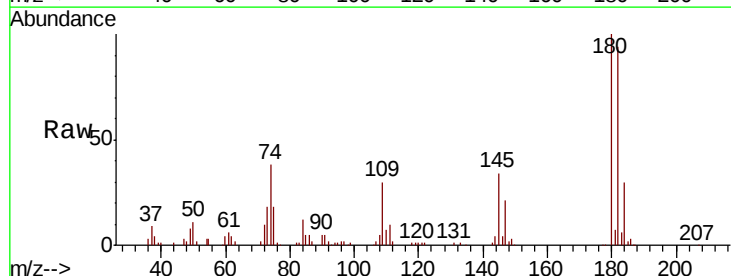


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

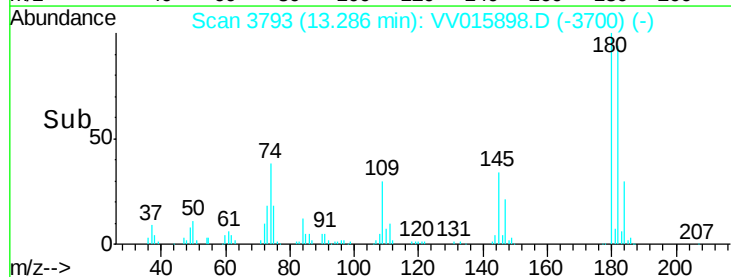
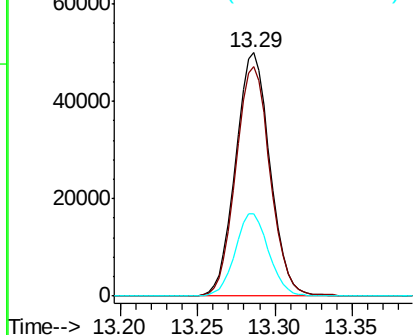


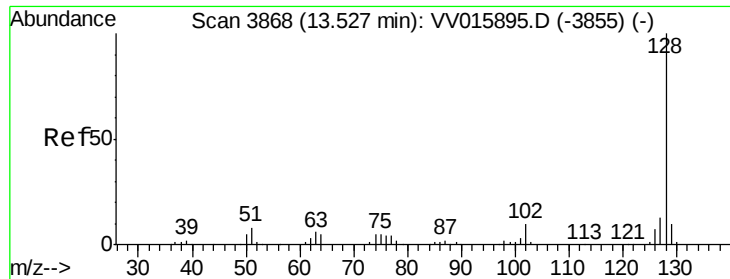
#68
 1,2,4-trichlorobenzene
 Concen: 5.580 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015898.D
 Acq: 05 May 2020 13:11

Tgt Ion:180 Resp: 77292
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.7 115.1
 145 33.0 26.4 39.6



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





#69

Naphthalene

Concen: 5.764 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

VICV35

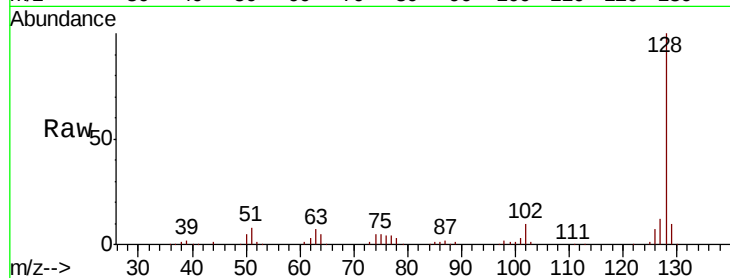
Tot Ion:128 Resp: 134981

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

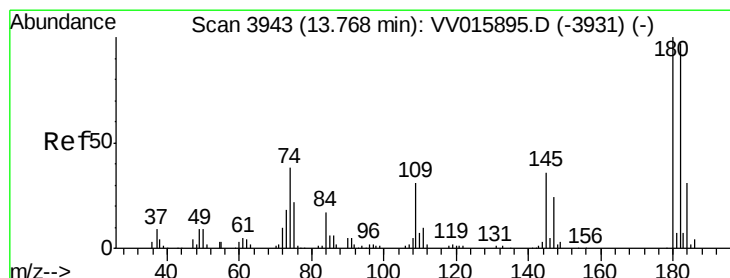
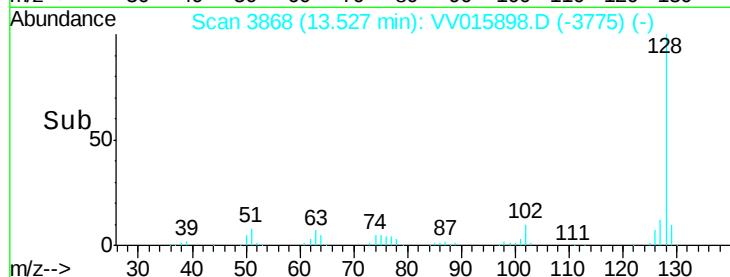
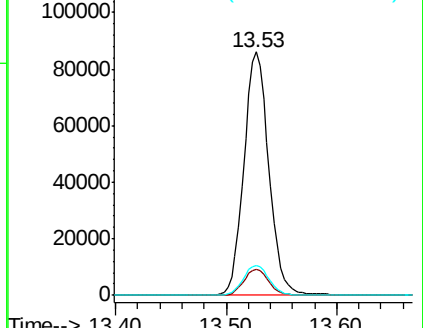
127 12.8 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.511 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015898.D

Acq: 05 May 2020 13:11

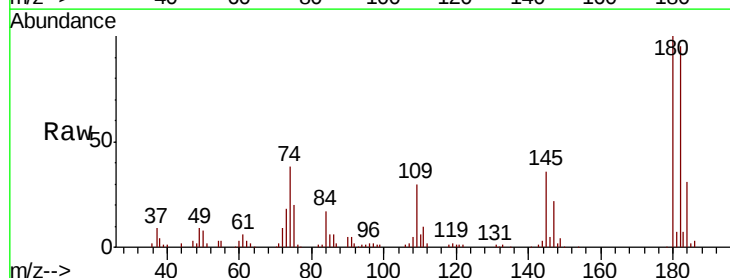
Tgt Ion:180 Resp: 68385

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 35.3 28.3 42.5



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

