

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016524.D
 Acq On : 05 Jun 2020 10:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 00:04:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 05 01:52:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	383150	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	368496	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	191901	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	122652	45.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.38%
7) Chloroethane-d5	1.57	69	89665	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.54%
11) 1,1-Dichloroethene-d2	2.12	63	215745	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.70%
21) 2-Butanone-d5	3.89	46	193756	111.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.66%
24) Chloroform-d	4.37	84	259591	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.94%
26) 1,2-Dichloroethane-d4	5.05	65	173669	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.84%
32) Benzene-d6	5.07	84	501113	50.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.54%
36) 1,2-Dichloropropane-d6	6.09	67	153819	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.02%
41) Toluene-d8	7.34	98	462574	51.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	7.64	79	77646	51.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.60%
47) 2-Hexanone-d5	8.11	63	150875	114.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	217271	52.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	189884	52.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	155375	49.149	ug/L	100
3) Chloromethane	1.25	50	156625	51.422	ug/L	96
5) Vinyl chloride	1.32	62	135304	45.975	ug/L	99
6) Bromomethane	1.51	94	73622	48.088	ug/L	97
8) Chloroethane	1.59	64	74133	44.948	ug/L	94
9) Trichlorofluoromethane	1.76	101	202525	47.654	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	104037	47.065	ug/L	100
12) 1,1-Dichloroethene	2.13	96	93965	44.173	ug/L	95
13) Acetone	2.17	43	134342	82.836	ug/L	99
14) Carbon disulfide	2.31	76	337973	45.892	ug/L	99
15) Methyl Acetate	2.44	43	150042	50.336	ug/L	100
16) Methylene chloride	2.52	84	140762	46.938	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	128076	47.719	ug/L	100
18) Methyl tert-butyl Ether	2.78	73	416968	50.182	ug/L	99
19) 1,1-Dichloroethane	3.21	63	238383	48.025	ug/L	99
22) 2-Butanone	3.98	43	212977	105.828	ug/L	100
23) Bromochloromethane	4.27	128	72552	48.676	ug/L	97

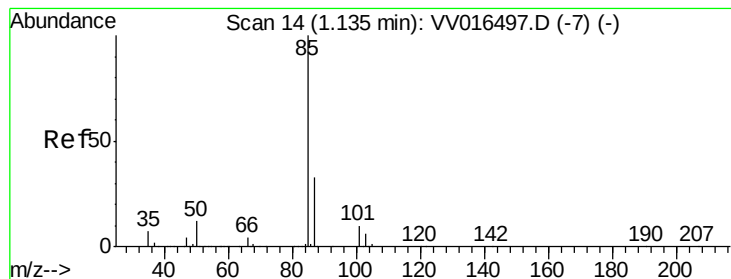
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016524.D
 Acq On : 05 Jun 2020 10:25
 Operator : SY/MD
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Instrument :
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 ClientSampleId :

Quant Time: Jun 06 00:04:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 05 01:52:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	245812	47.247	ug/L	98
27) 1,2-Dichloroethane	5.15	62	208432	49.305	ug/L	98
29) Cyclohexane	4.70	56	228223	52.182	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	222808	49.613	ug/L	99
31) Carbon tetrachloride	4.85	117	194063	50.245	ug/L	98
33) Benzene	5.12	78	528180	48.737	ug/L	100
34) Trichloroethene	5.94	95	135968	47.814	ug/L	95
35) Methylcyclohexane	6.15	83	226616	55.519	ug/L	99
37) 1,2-Dichloropropane	6.20	63	141142	49.966	ug/L	100
38) Bromodichloromethane	6.53	83	181584	50.030	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	211814	51.428	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	412649	106.167	ug/L	99
42) Toluene	7.41	91	568414	49.497	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	211796	52.412	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	133079	48.722	ug/L	98
46) Tetrachloroethene	8.00	164	110019	50.179	ug/L	99
48) 2-Hexanone	8.16	43	319277	105.661	ug/L	99
49) Dibromochloromethane	8.27	129	138785	52.265	ug/L	99
50) 1,2-Dibromoethane	8.37	107	141259	48.890	ug/L	98
51) Chlorobenzene	8.90	112	368107	48.772	ug/L	99
52) Ethylbenzene	9.03	91	639792	51.188	ug/L	99
53) m,p-Xylene	9.16	106	241601	51.264	ug/L	98
54) o-xylene	9.57	106	234517	51.380	ug/L	100
55) Styrene	9.58	104	408061	51.032	ug/L	100
56) Isopropylbenzene	9.95	105	641342	54.095	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	216782	49.476	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	174636	49.543	ug/L	99
61) Bromoform	9.75	173	91774	57.115	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	300268	50.501	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	301956	48.946	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	305589	51.063	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	47995	52.846	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	226542	56.634	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	203873	55.053	ug/L	98
69) Naphthalene	13.53	128	616085	54.201	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	204070	57.969	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.149 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :

MSVOA_V

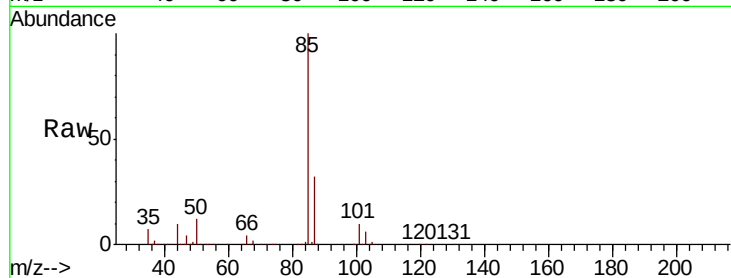
ClientSampleId :

Tot Ion: 85 Resp: 155375

Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

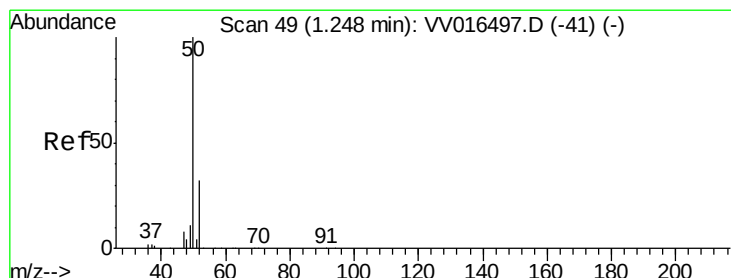
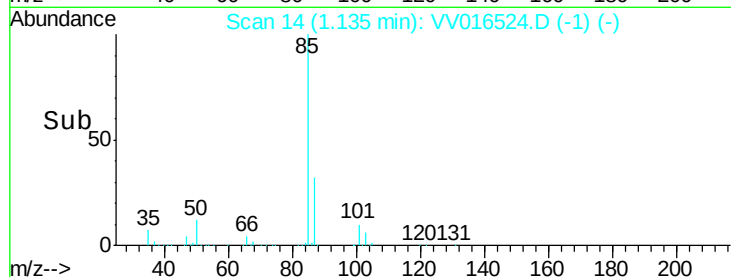
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.422 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016524.D

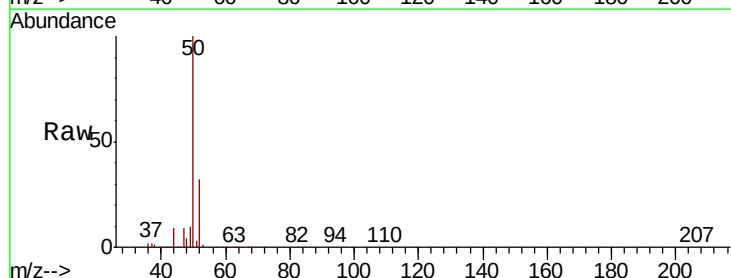
Acq: 05 Jun 2020 10:25

Tgt Ion: 50 Resp: 156625

Ion Ratio Lower Upper

50 100

52 31.5 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

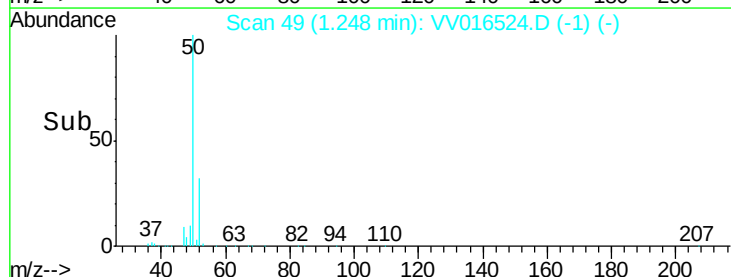
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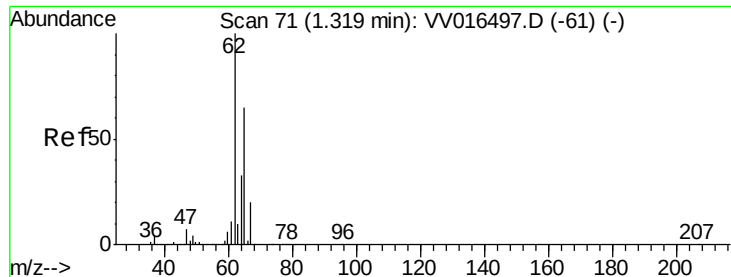
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 45.975 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :

MSVOA_V

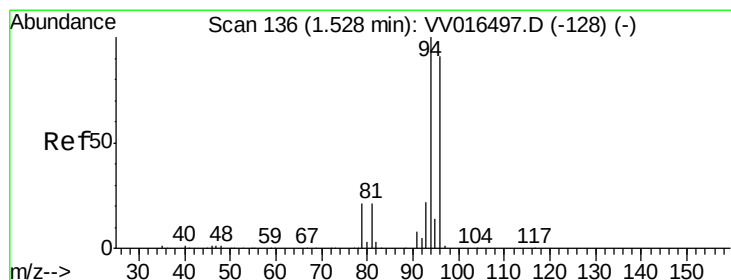
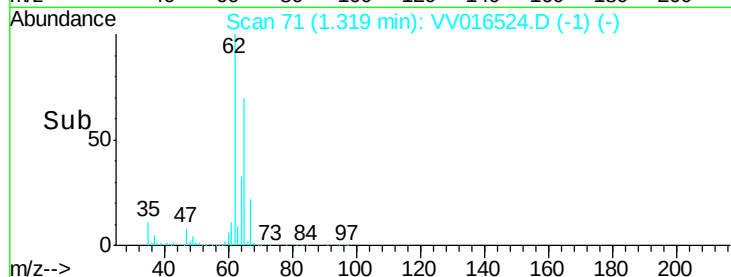
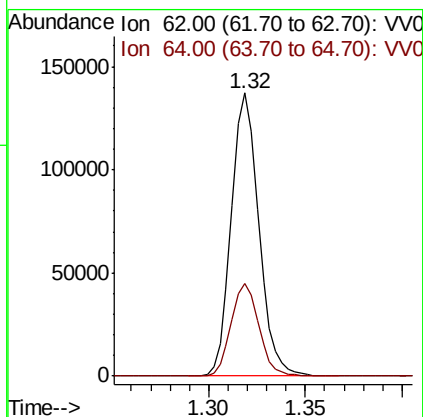
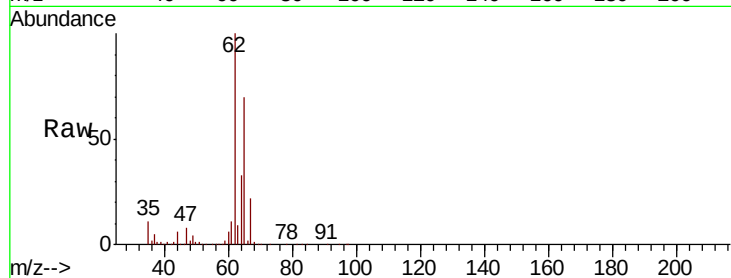
ClientSampled :

Tot Ion: 62 Resp: 135304

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.1



#6

Bromomethane

Concen: 48.088 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.01 min

Lab File: VV016524.D

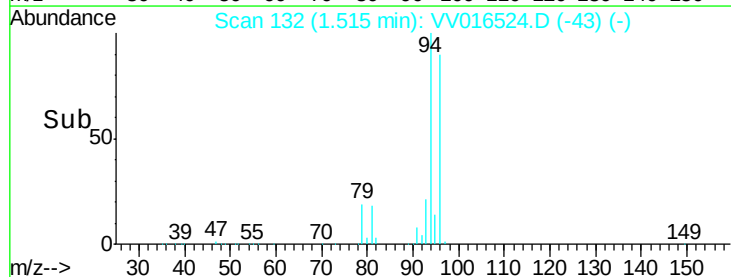
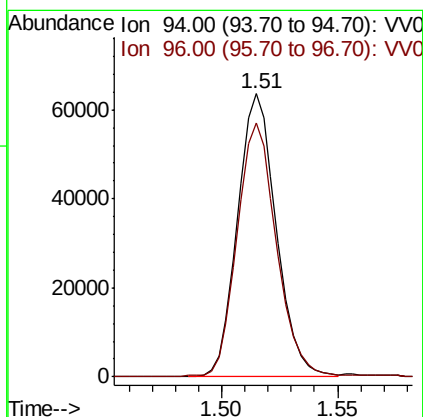
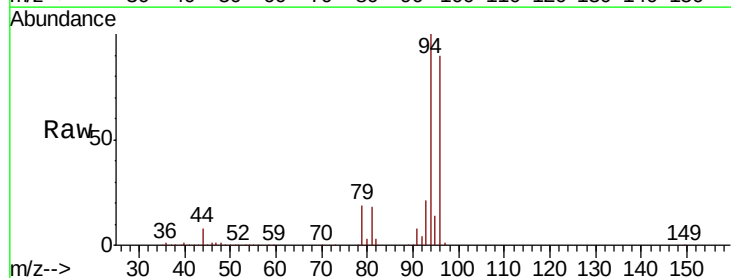
Acq: 05 Jun 2020 10:25

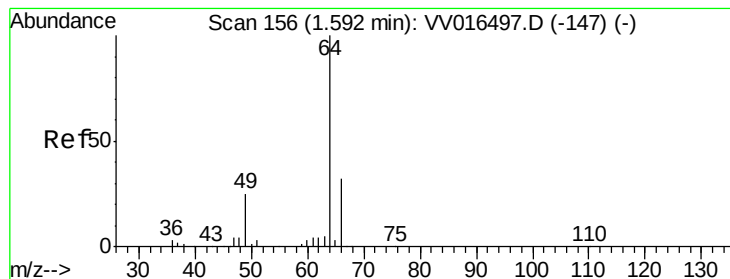
Tgt Ion: 94 Resp: 73622

Ion Ratio Lower Upper

94 100

96 89.8 65.1 120.9





#8

Chloroethane

Concen: 44.948 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :

MSVOA_V

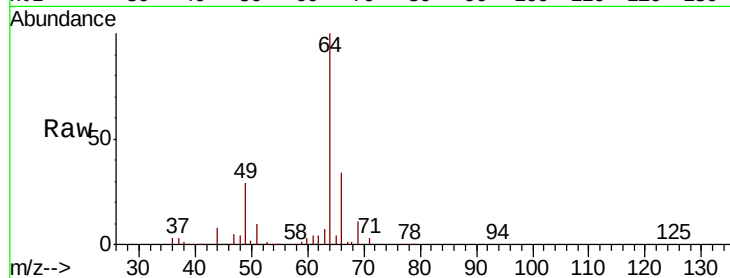
ClientSampleId :

Tot Ion: 64 Resp: 74133

Ion Ratio Lower Upper

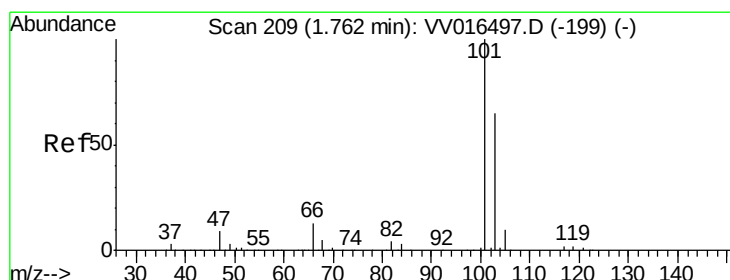
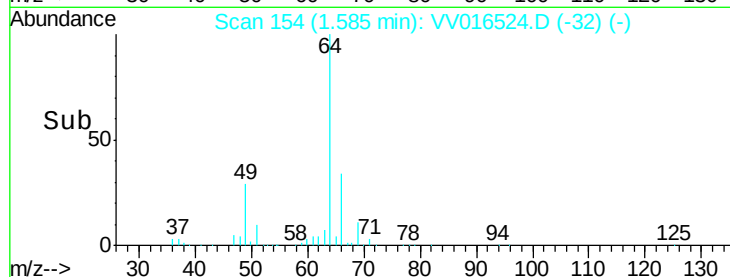
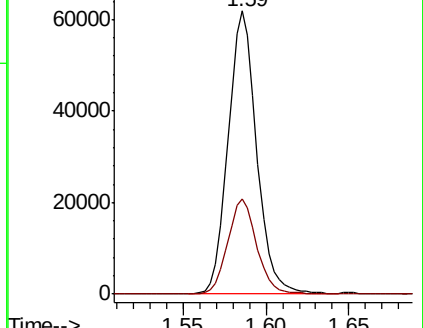
64 100

66 33.7 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016497.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV016497.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 47.654 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV016524.D

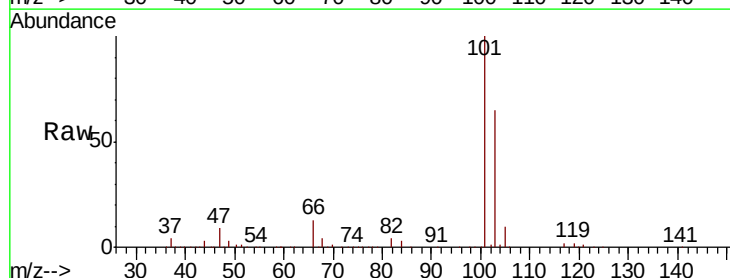
Acq: 05 Jun 2020 10:25

Tgt Ion: 101 Resp: 202525

Ion Ratio Lower Upper

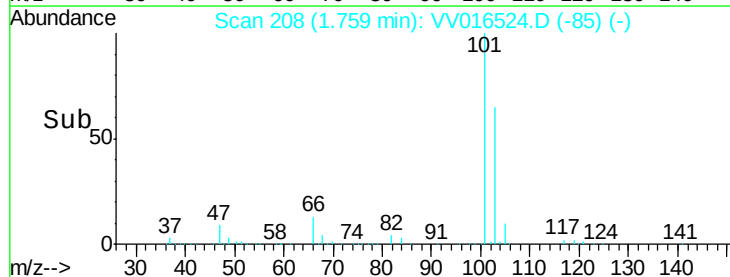
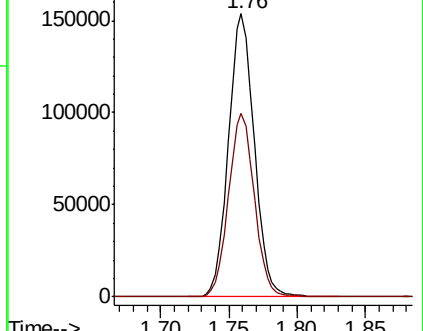
101 100

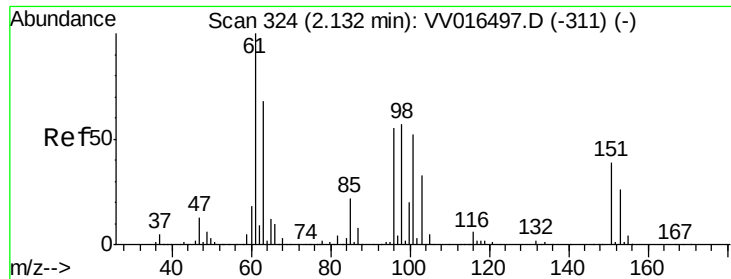
103 65.2 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016497.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV016497.D (-199) (-)





#10

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

Concen: 47.065 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :

MSVOA_V

ClientSampled :

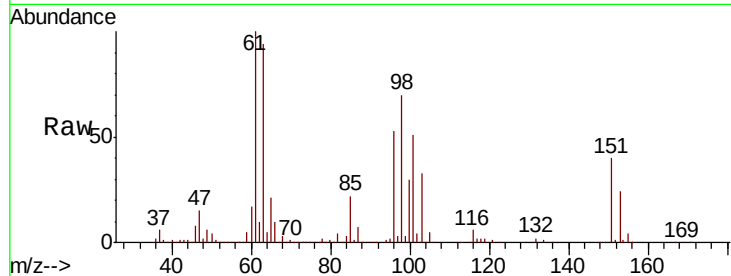
Tot Ion:101 Resp: 104037

Ion Ratio Lower Upper

101 100

85 44.1 35.6 53.4

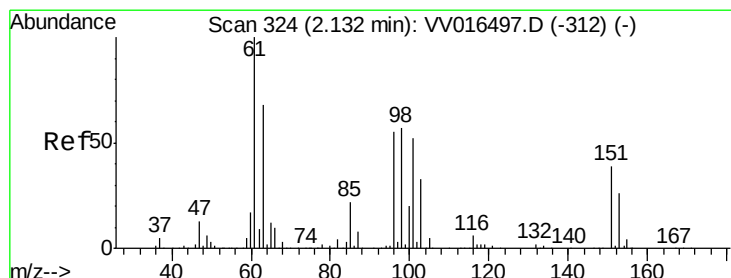
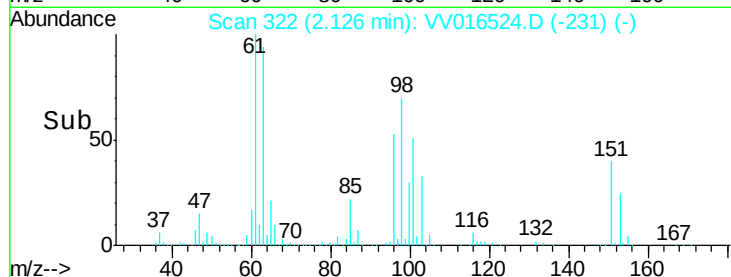
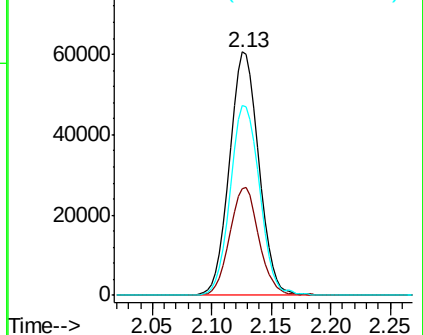
151 77.6 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 44.173 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

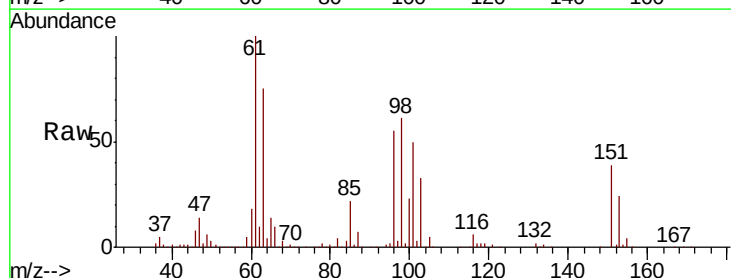
Tgt Ion: 96 Resp: 93965

Ion Ratio Lower Upper

96 100

61 181.8 125.5 233.1

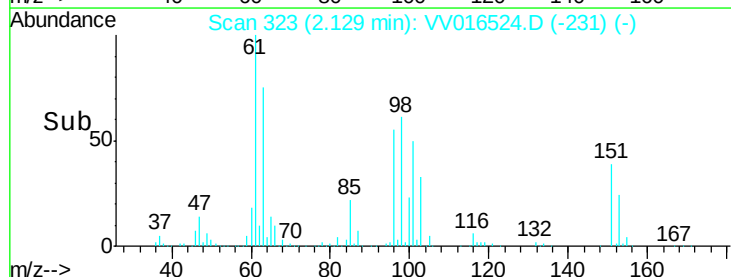
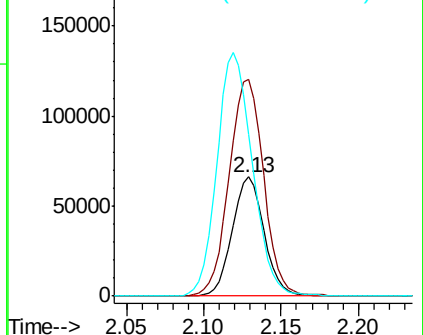
63 136.1 104.0 193.1

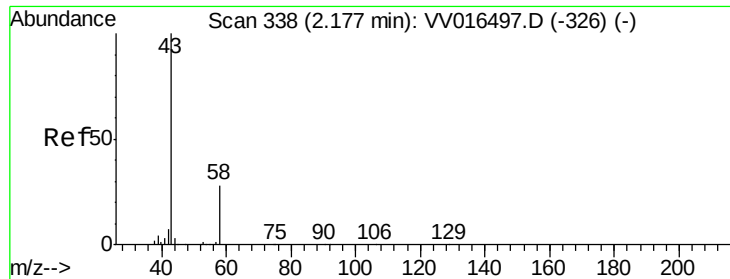


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 82.836 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.01 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :

MSVOA_V

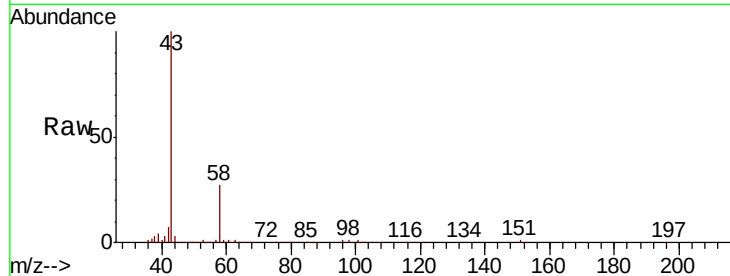
ClientSampleId :

Tot Ion: 43 Resp: 134342

Ion Ratio Lower Upper

43 100

58 27.8 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV016497.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV016497.D (-326) (-)

2.17

100000

80000

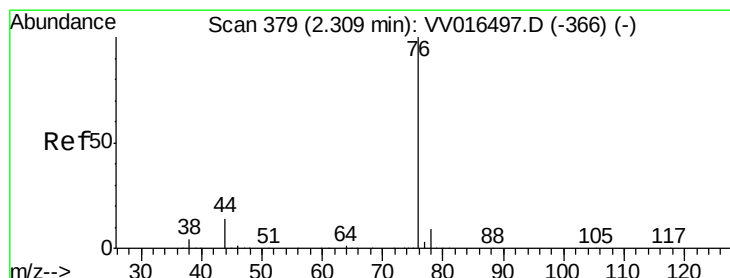
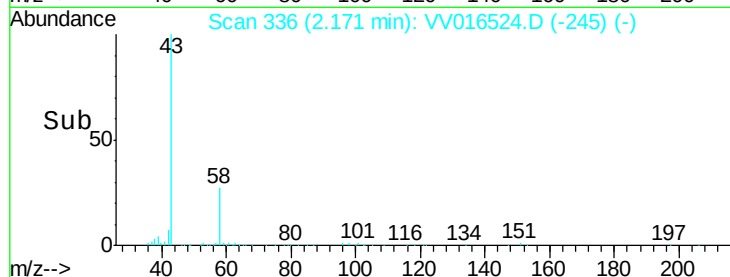
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 45.892 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016524.D

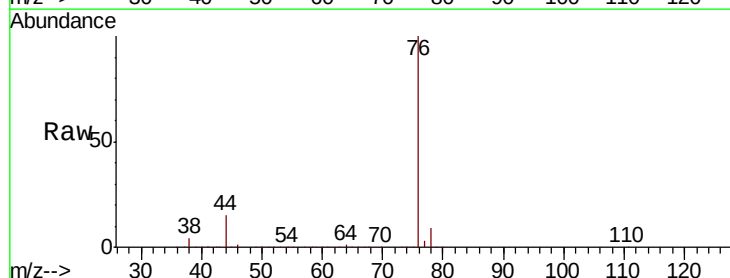
Acq: 05 Jun 2020 10:25

Tgt Ion: 76 Resp: 337973

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV016497.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV016497.D (-366) (-)

2.31

250000

200000

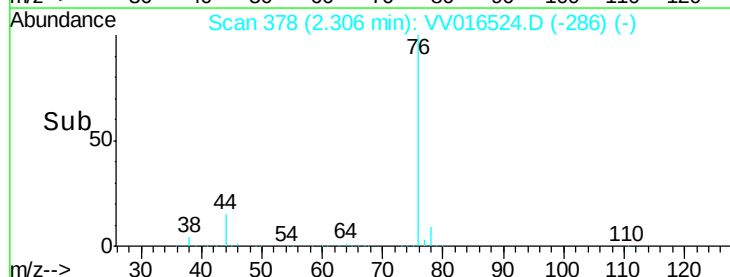
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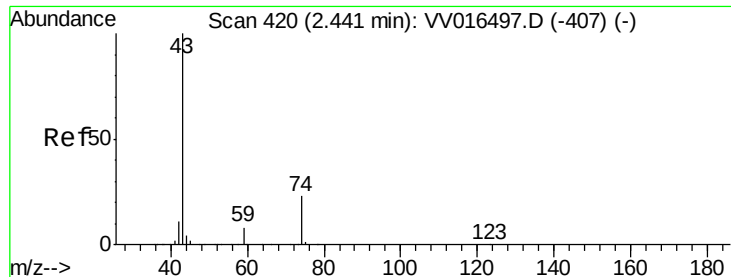
100000

50000

0

Time--> 2.20 2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 50.336 ug/L

RT: 2.44 min Scan# 419

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

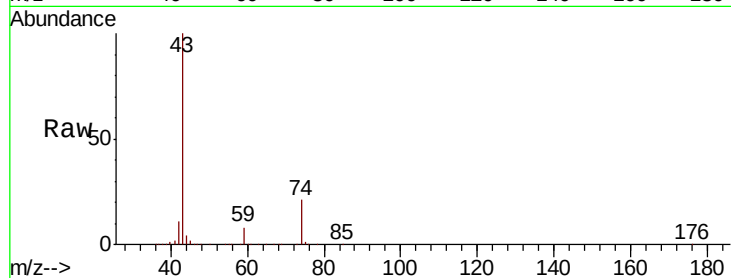
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 150042

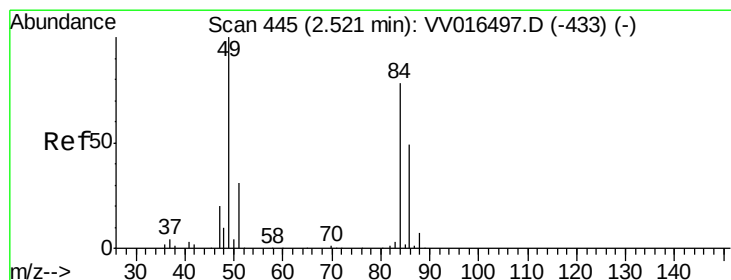
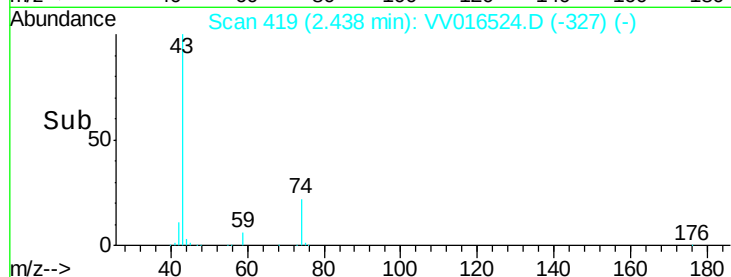
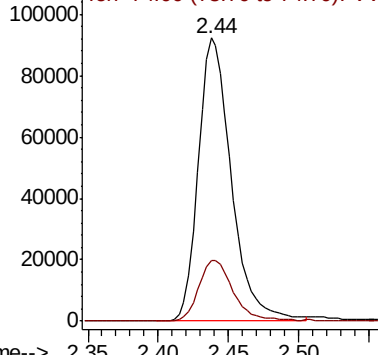
Ion Ratio Lower Upper

43 100

74 22.5 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 46.938 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

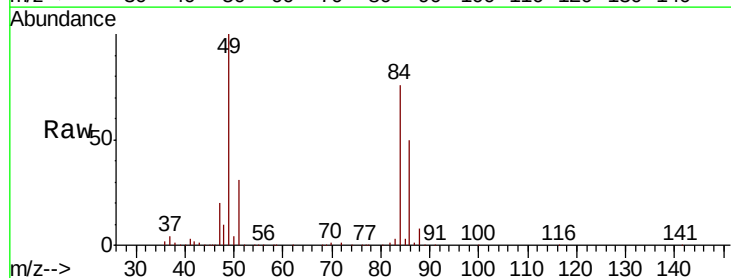
Tgt Ion: 84 Resp: 140762

Ion Ratio Lower Upper

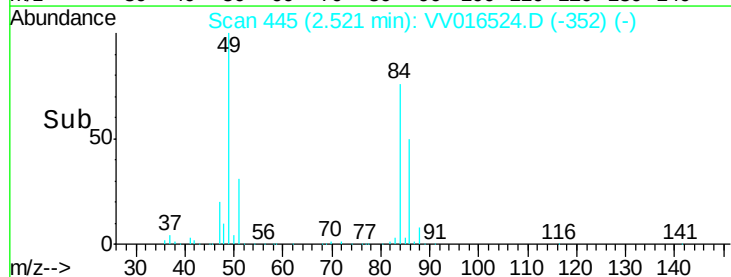
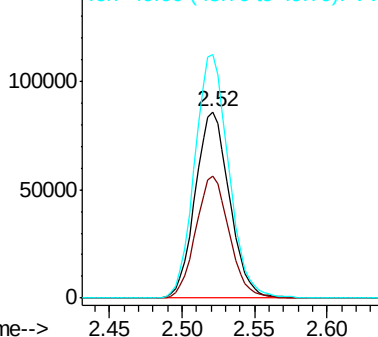
84 100

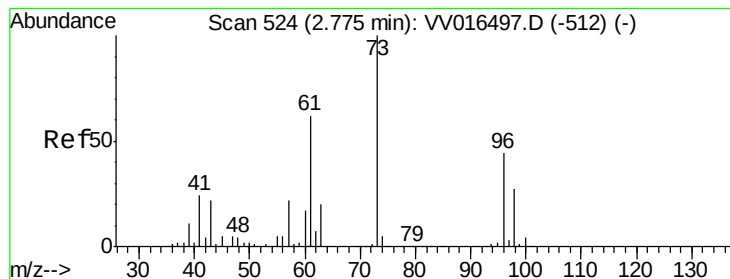
86 65.7 45.1 83.9

49 130.9 92.4 171.6



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 47.719 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :
MSVOA_V
ClientSampled :

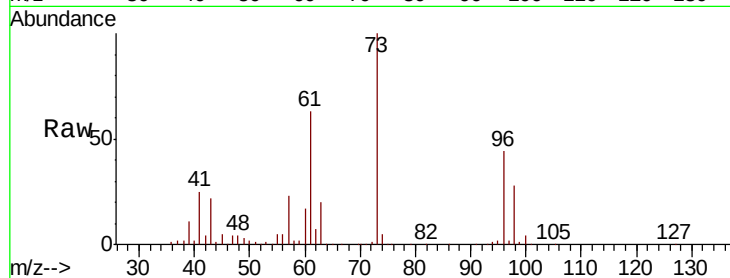
Tot Ion: 96 Resp: 128076

Ion Ratio Lower Upper

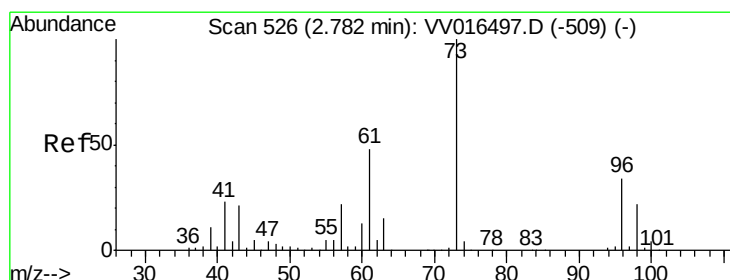
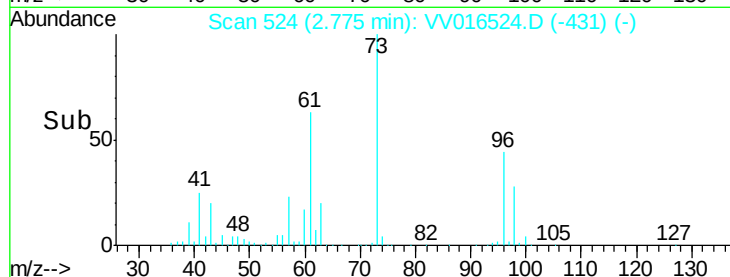
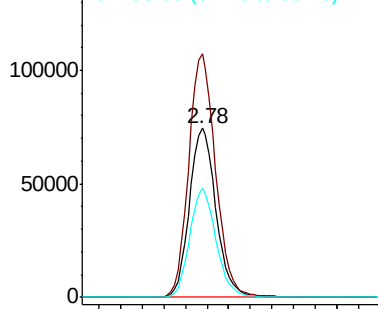
96 100

61 143.9 101.0 187.6

98 64.2 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 50.182 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

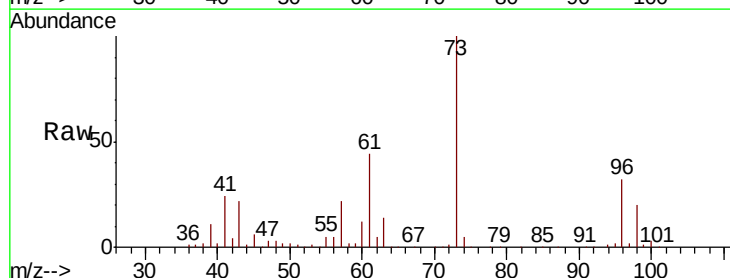
Tgt Ion: 73 Resp: 416968

Ion Ratio Lower Upper

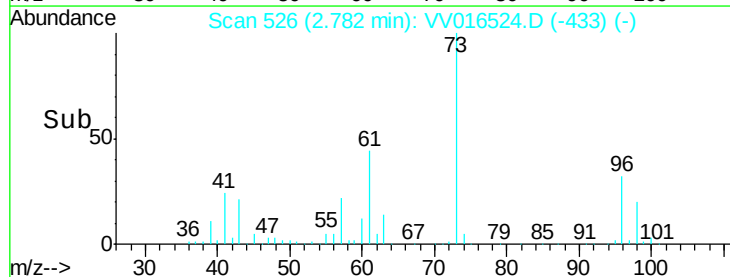
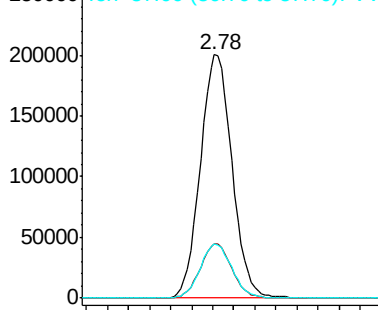
73 100

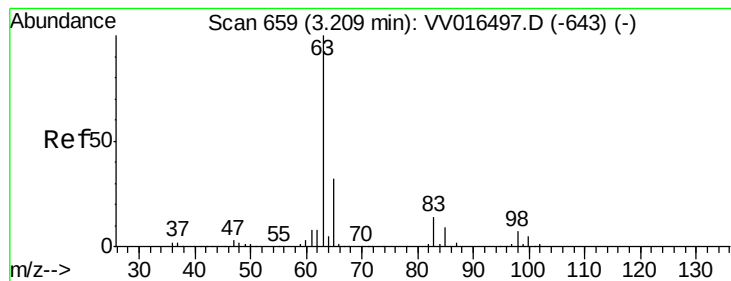
43 22.1 17.0 25.4

57 22.3 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.025 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :

MSVOA_V

ClientSampleId :

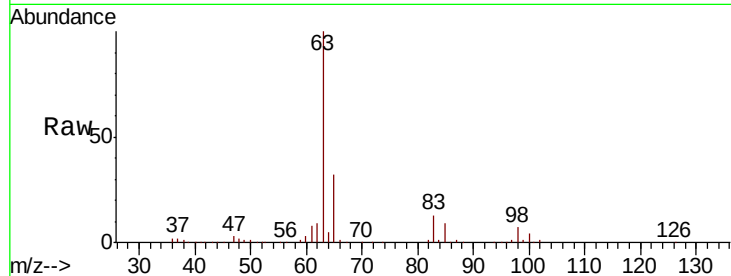
Tot Ion: 63 Resp: 238383

Ion Ratio Lower Upper

63 100

65 31.9 22.2 41.2

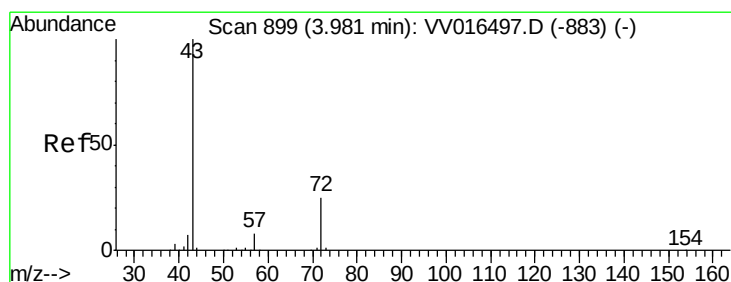
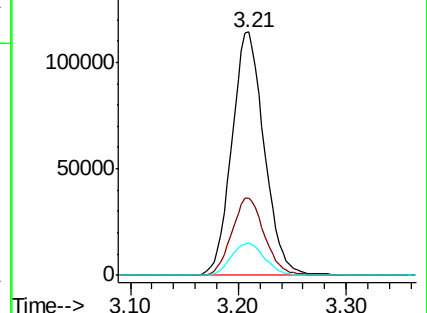
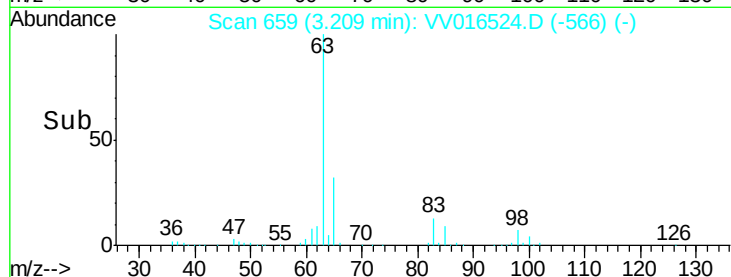
83 13.3 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VV016524.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV016524.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV016524.D (-566) (-)



#22

2-Butanone

Concen: 105.828 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.00 min

Lab File: VV016524.D

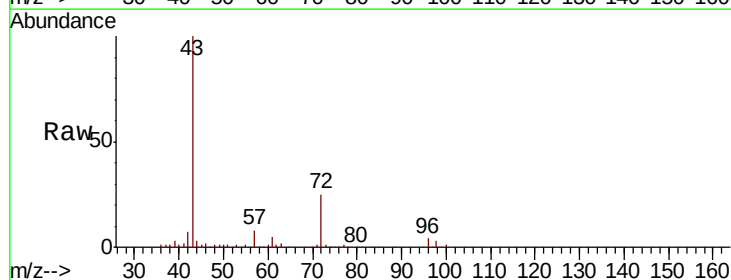
Acq: 05 Jun 2020 10:25

Tgt Ion: 43 Resp: 212977

Ion Ratio Lower Upper

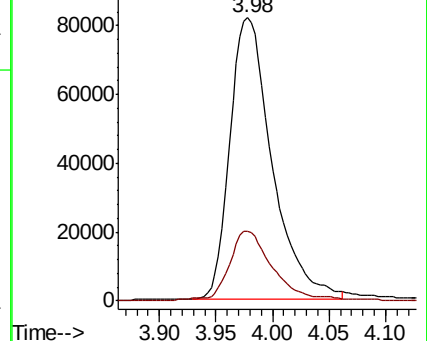
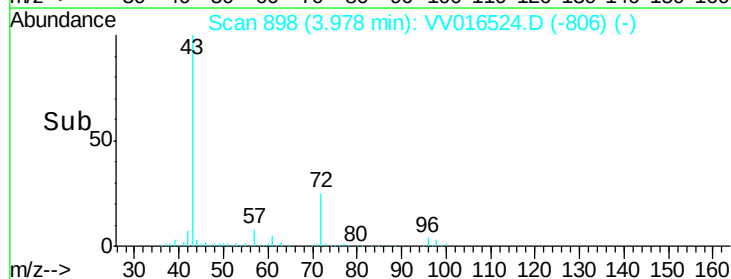
43 100

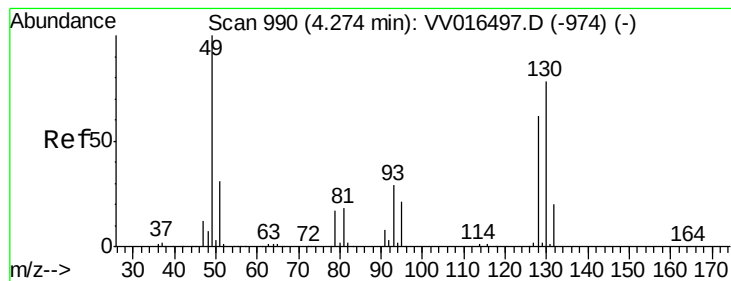
72 25.3 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV016524.D (-806) (-)

Ion 72.00 (71.70 to 72.70): VV016524.D (-806) (-)





#23

Bromochloromethane

Concen: 48.676 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 72552

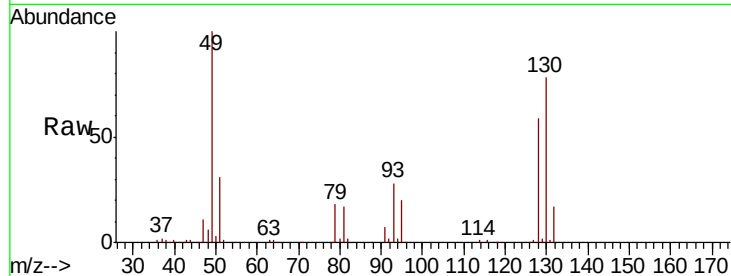
Ion Ratio Lower Upper

128 100

49 170.2 121.7 225.9

130 132.4 90.1 167.3

51 52.4 43.8 65.6

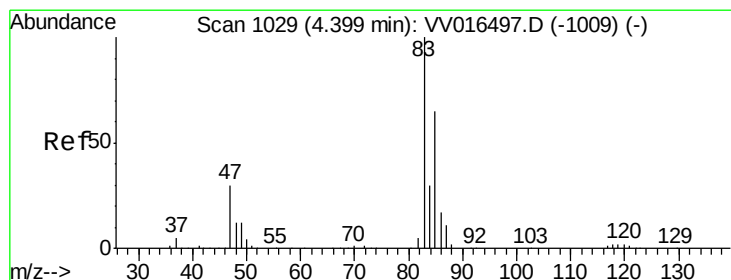
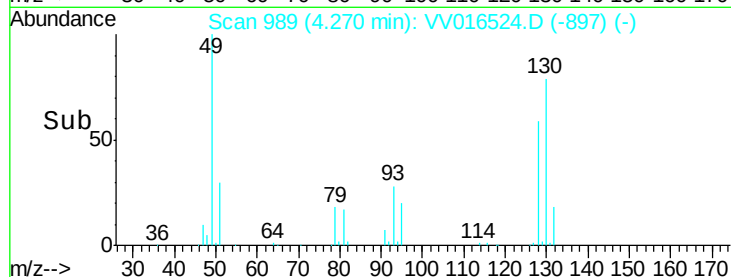
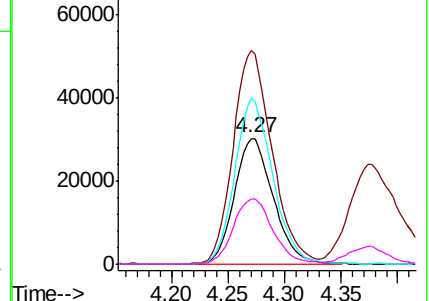


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 47.247 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV016524.D

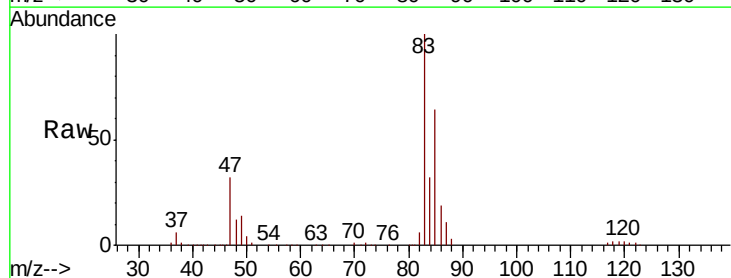
Acq: 05 Jun 2020 10:25

Tgt Ion: 83 Resp: 245812

Ion Ratio Lower Upper

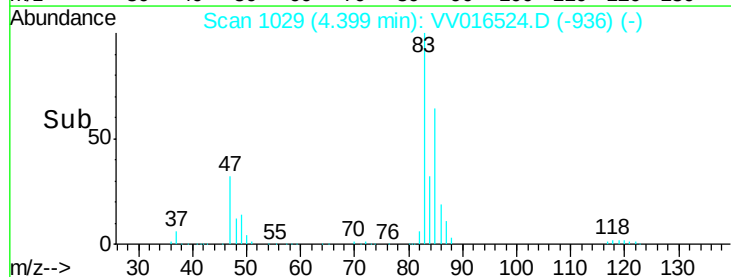
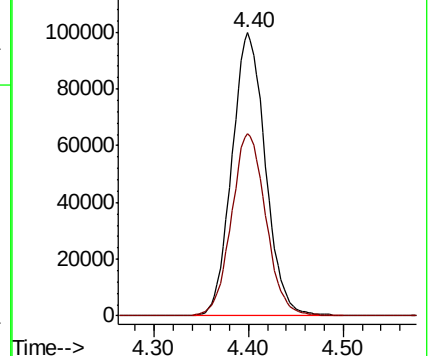
83 100

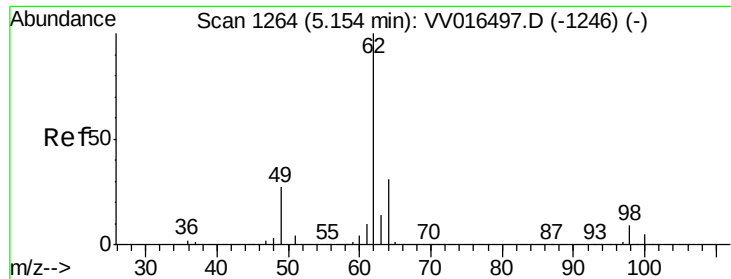
85 64.4 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

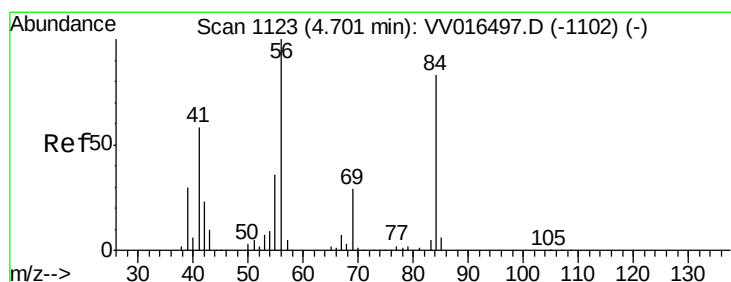
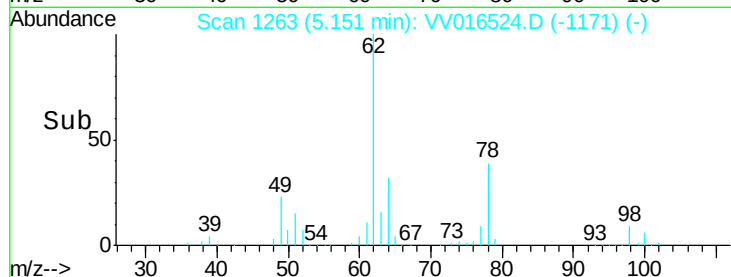
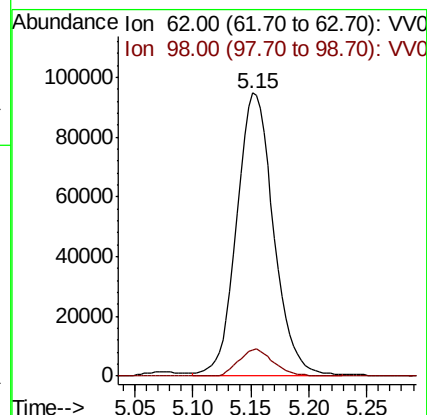
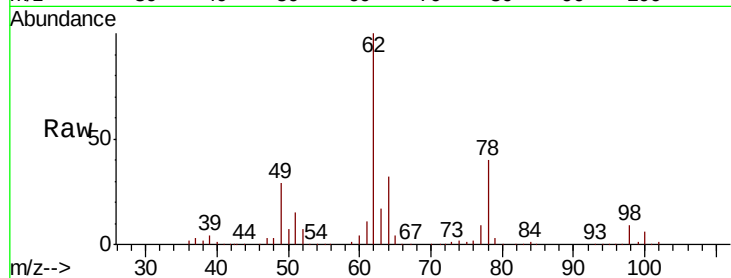




#27
 1,2-Dichloroethane
 Concen: 49.305 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VV016524.D
 Acq: 05 Jun 2020 10:25

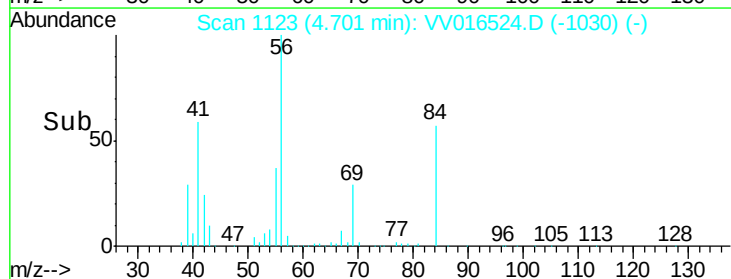
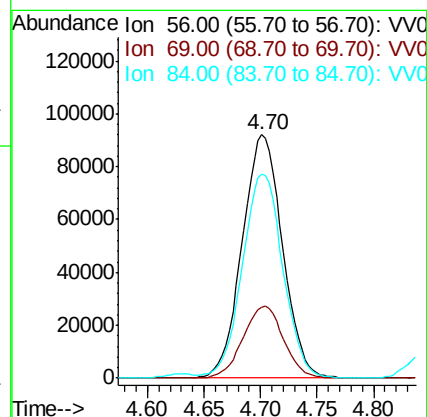
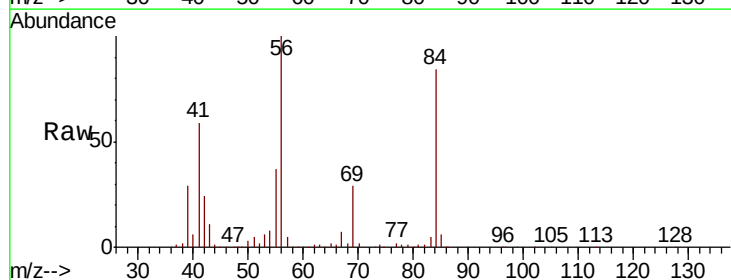
Instrument :
 MSVOA_V
 ClientSampled :

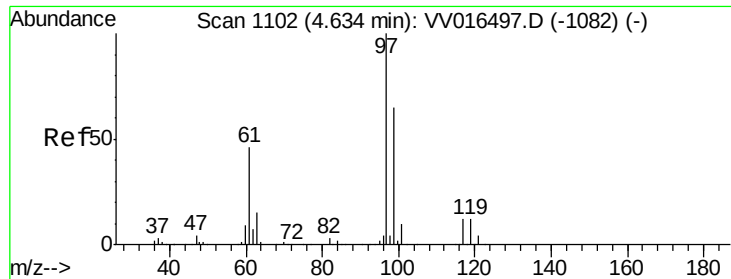
Tot Ion: 62 Resp: 208432
 Ion Ratio Lower Upper
 62 100
 98 9.4 6.9 10.3



#29
 Cyclohexane
 Concen: 52.182 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV016524.D
 Acq: 05 Jun 2020 10:25

Tgt Ion: 56 Resp: 228223
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.9 35.9
 84 84.4 68.2 102.2

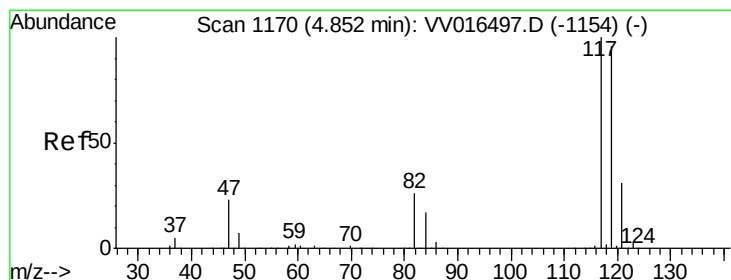
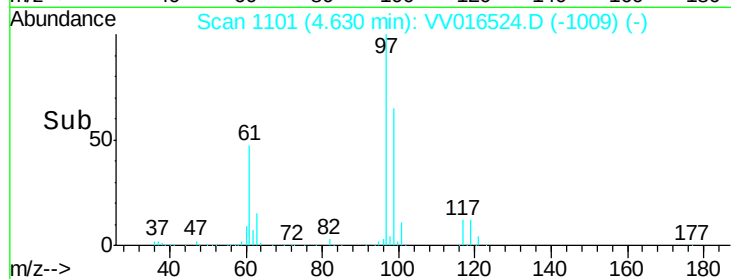
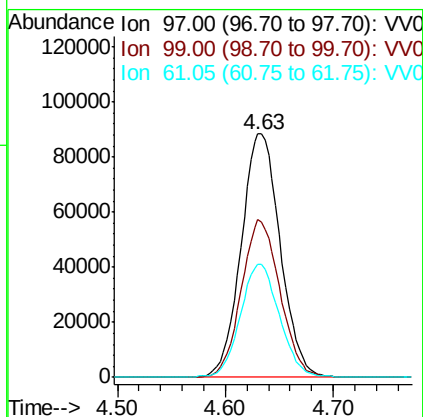
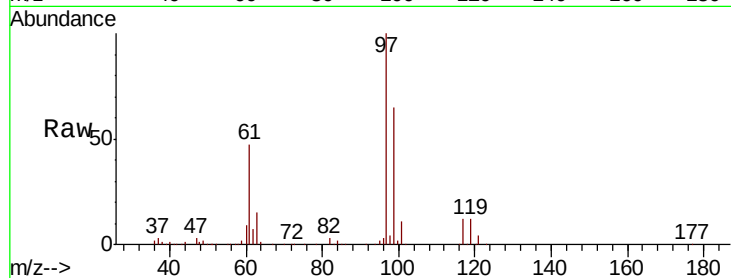




#30
 1,1,1-Trichloroethane
 Concen: 49.613 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV016524.D
 Acq: 05 Jun 2020 10:25

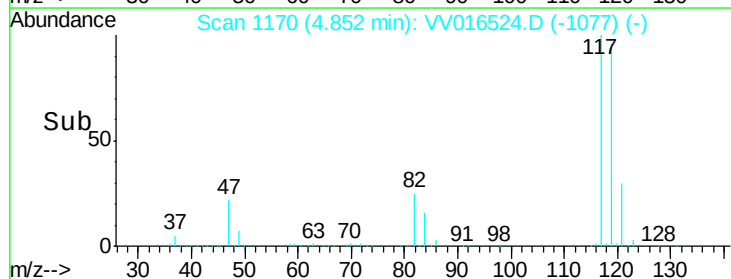
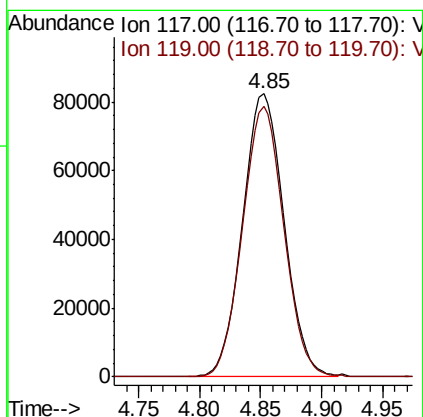
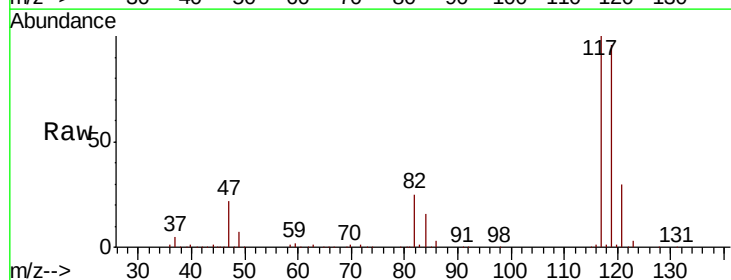
Instrument :
 MSVOA_V
 ClientSampled :

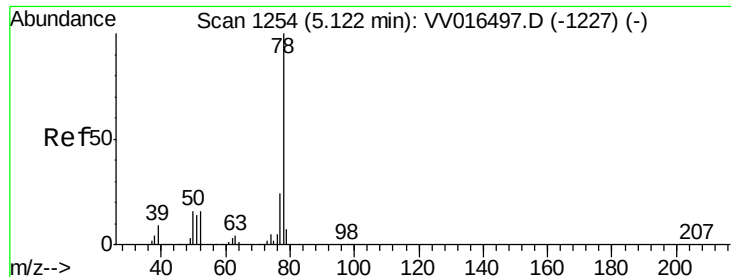
Tot Ion: 97 Resp: 222808
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.8 77.8
 61 46.5 37.4 56.0



#31
 Carbon tetrachloride
 Concen: 50.245 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VV016524.D
 Acq: 05 Jun 2020 10:25

Tgt Ion: 117 Resp: 194063
 Ion Ratio Lower Upper
 117 100
 119 95.2 77.8 116.6





#33

Benzene

Concen: 48.737 ug/L

RT: 5.12 min Scan# 1254

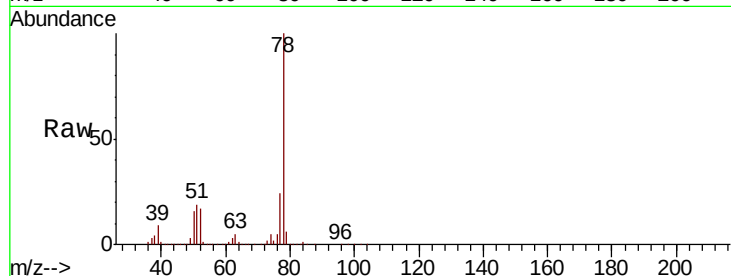
Delta R.T. 0.00 min

Lab File: VV016524.D

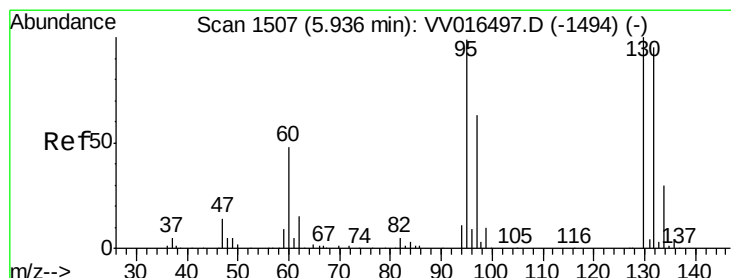
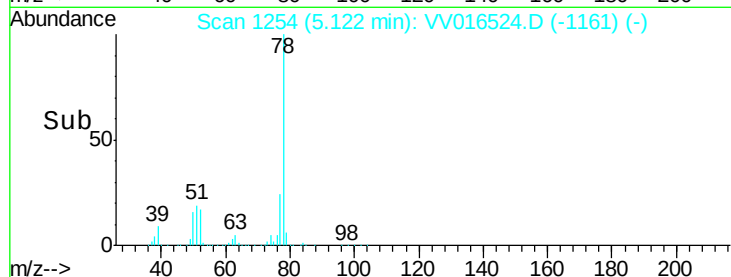
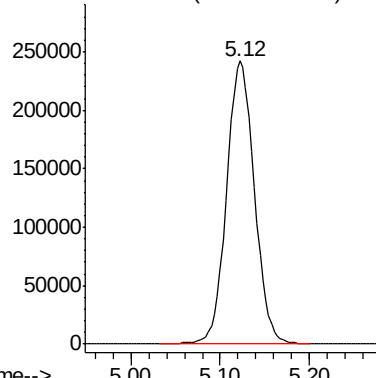
Acq: 05 Jun 2020 10:25

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 528180



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 47.814 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Tgt Ion: 95 Resp: 135968

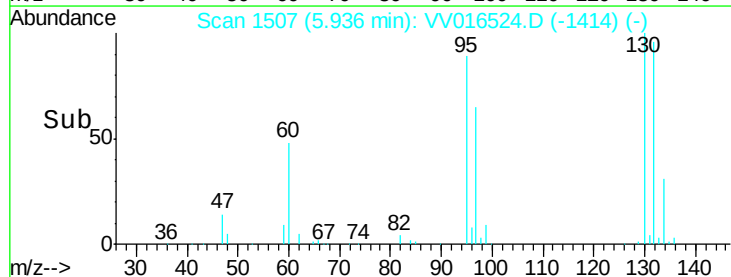
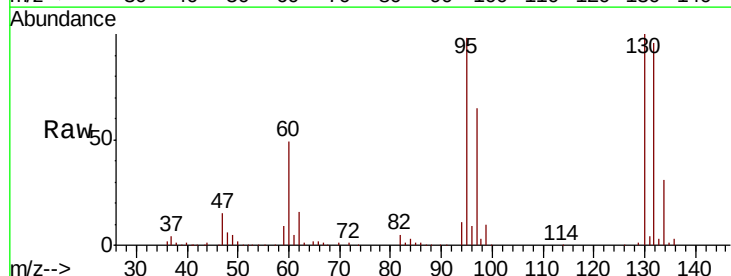
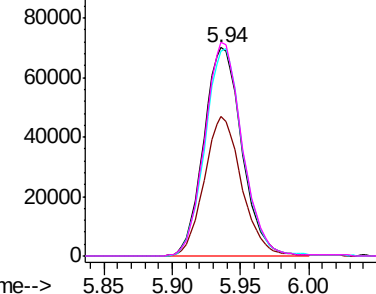
Ion	Ratio	Lower	Upper
95	100		
97	66.7	42.8	79.6
132	98.6	65.6	121.8
130	102.5	69.0	128.1

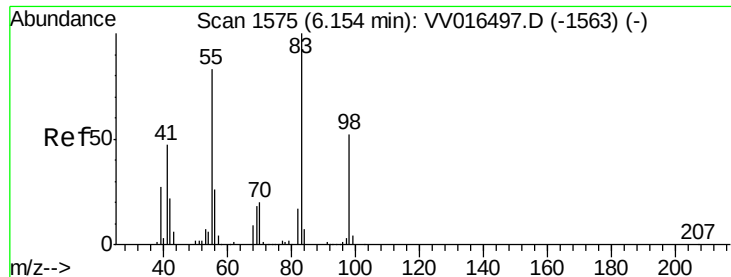
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

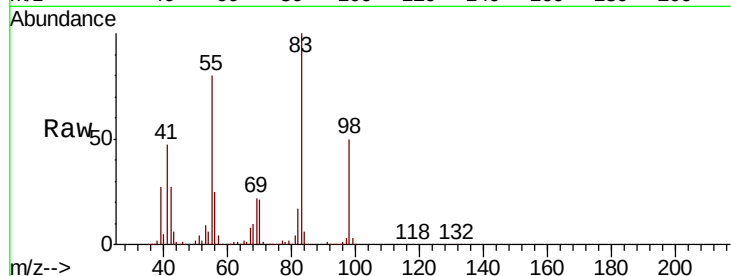




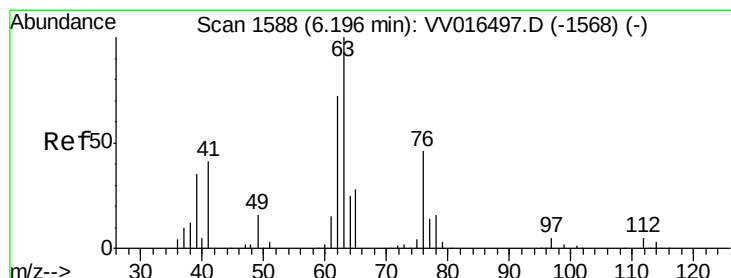
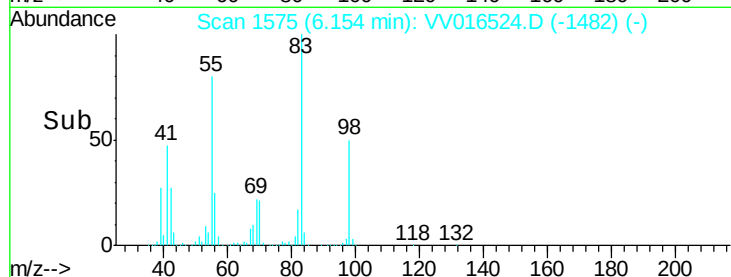
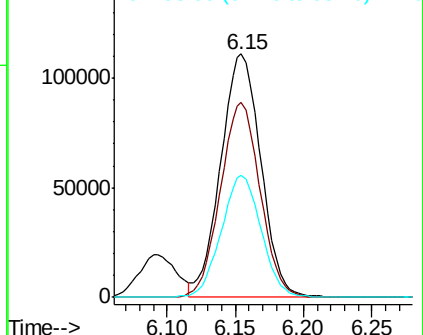
#35
Methvlcvclohexane
Concen: 55.519 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV016524.D
Acq: 05 Jun 2020 10:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 226616
Ion Ratio Lower Upper
83 100
55 79.0 63.4 95.0
98 50.0 39.4 59.0

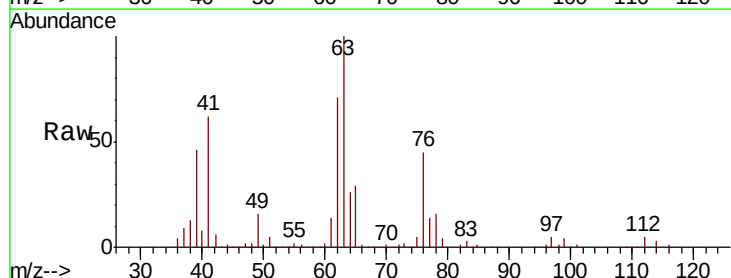


Abundance Ion 83.00 (82.70 to 83.70): VV0
150000 Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

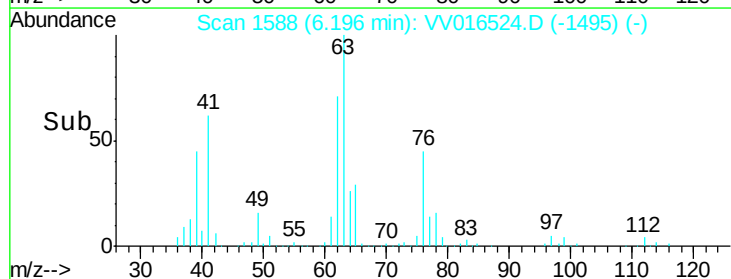
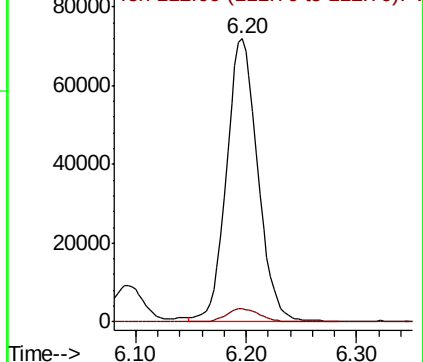


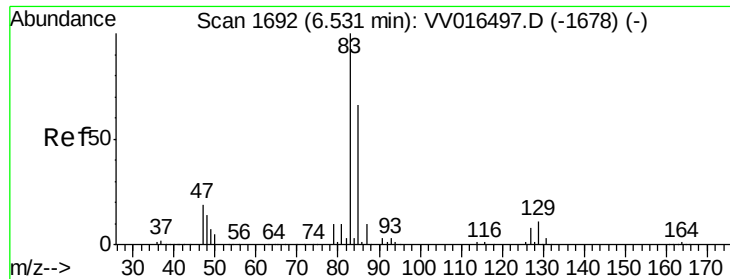
#37
1,2-Dichloropropane
Concen: 49.966 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV016524.D
Acq: 05 Jun 2020 10:25

Tgt Ion: 63 Resp: 141142
Ion Ratio Lower Upper
63 100
112 4.9 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV0
80000 Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 50.030 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :

MSVOA_V

ClientSampleId :

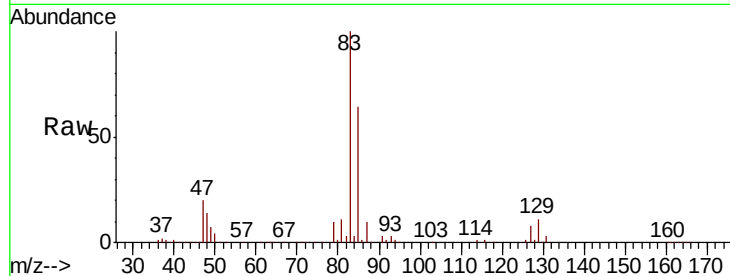
Tot Ion: 83 Resp: 181584

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.5

127 8.4 7.1 10.7

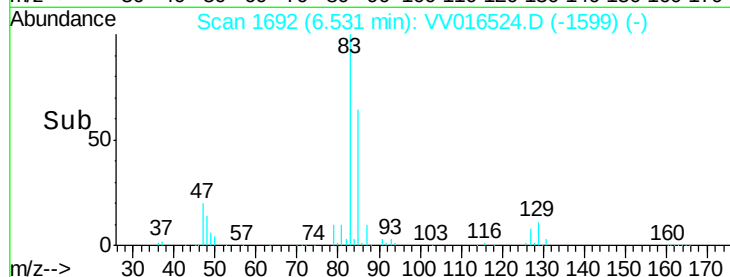


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

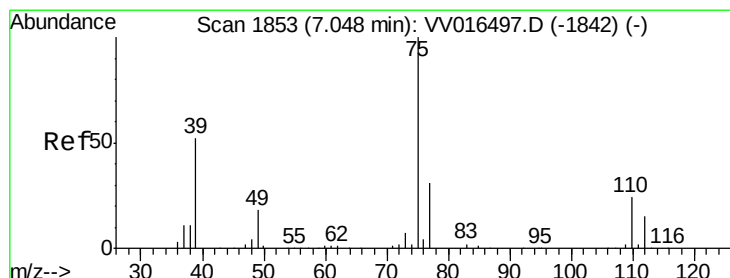
Ion 127.00 (126.70 to 127.70): VV0

Time-->



6.53

Time-->



#39

cis-1,3-Dichloropropene

Concen: 51.428 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VV016524.D

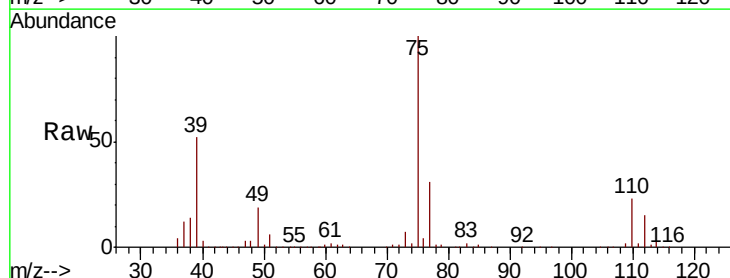
Acq: 05 Jun 2020 10:25

Tgt Ion: 75 Resp: 211814

Ion Ratio Lower Upper

75 100

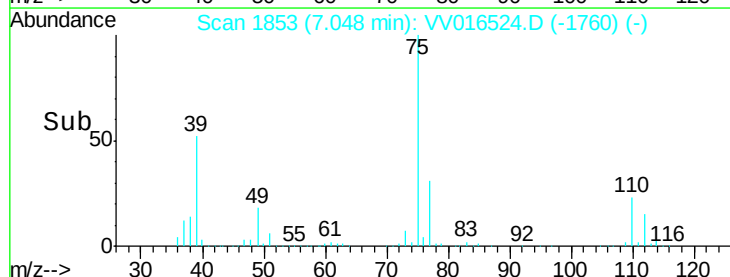
77 30.7 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

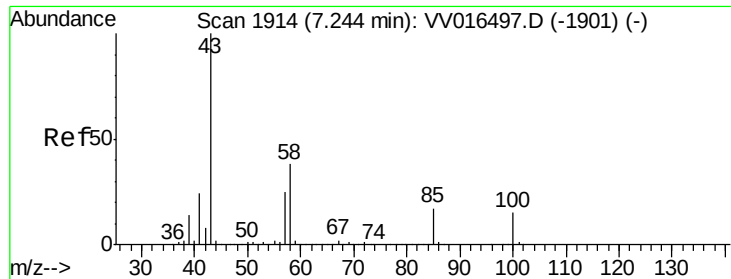
Ion 77.00 (76.70 to 77.70): VV0

Time-->



7.05

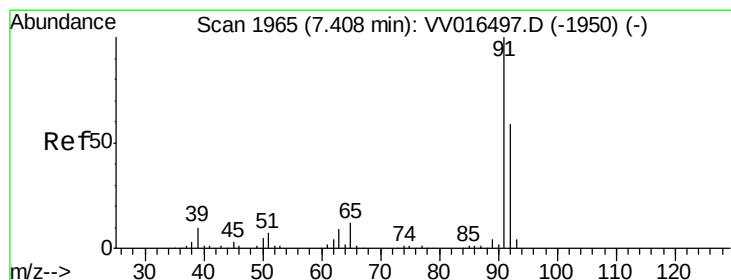
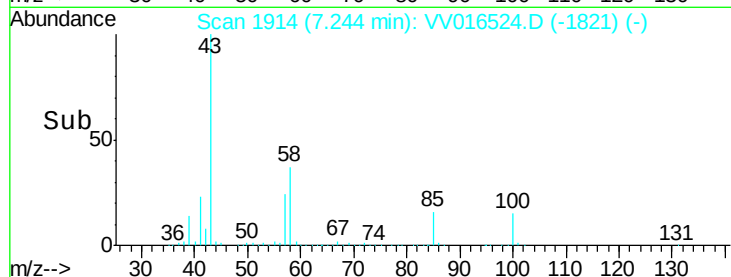
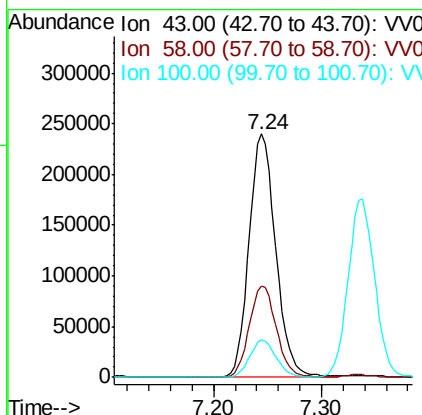
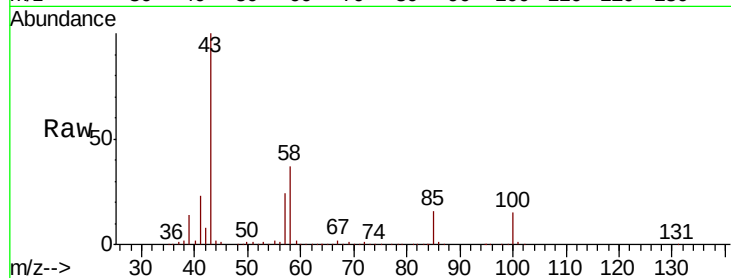
Time-->



#40
4-Methyl-2-pentanone
Concen: 106.167 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV016524.D
Acq: 05 Jun 2020 10:25

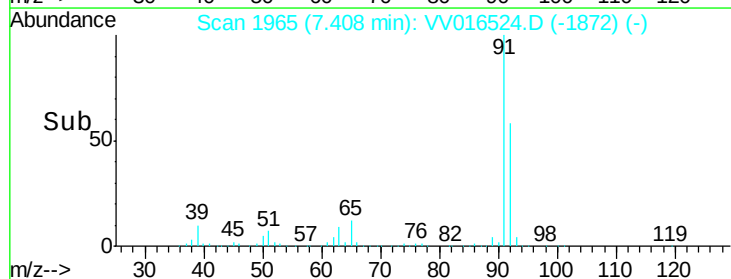
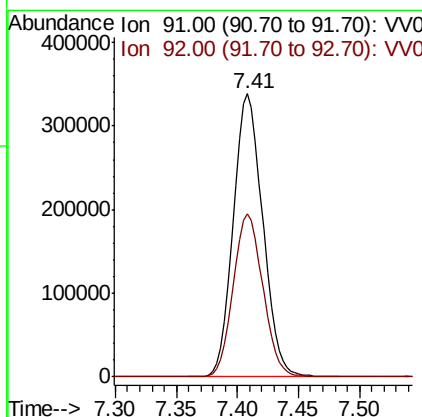
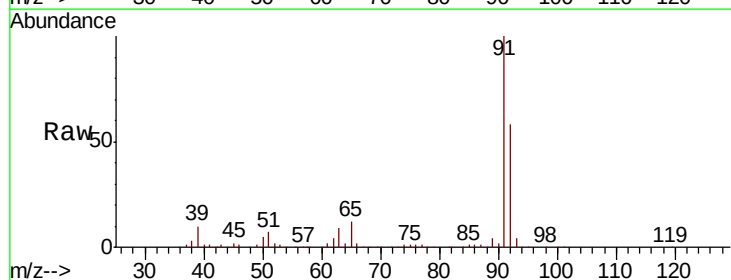
Instrument :
MSVOA_V
ClientSampleId :

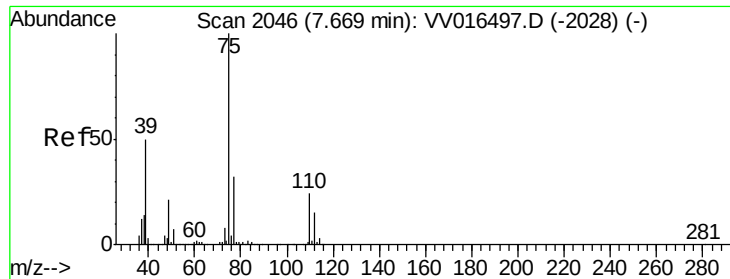
Tot Ion: 43 Resp: 412649
Ion Ratio Lower Upper
43 100
58 38.0 29.9 44.9
100 15.3 11.9 17.9



#42
Toluene
Concen: 49.497 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV016524.D
Acq: 05 Jun 2020 10:25

Tgt Ion: 91 Resp: 568414
Ion Ratio Lower Upper
91 100
92 57.8 40.9 75.9





#44

trans-1,3-Dichloropropene

Concen: 52.412 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :

MSVOA_V

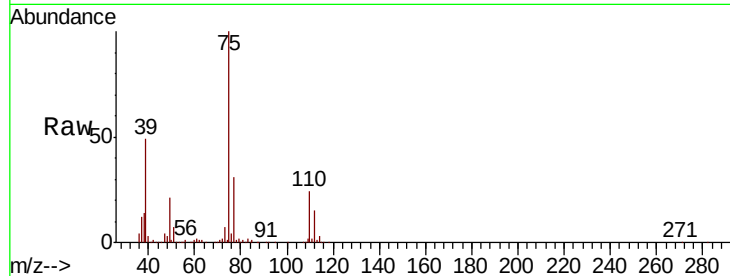
ClientSampled :

Tot Ion: 75 Resp: 211796

Ion Ratio Lower Upper

75 100

77 30.8 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

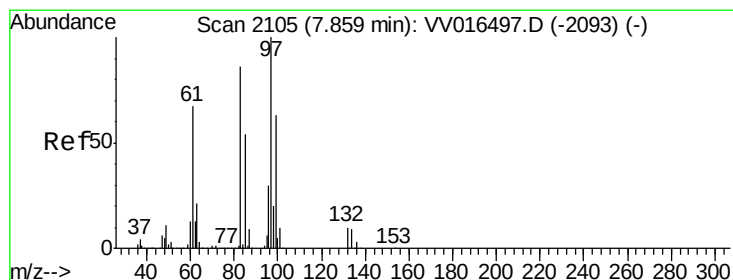
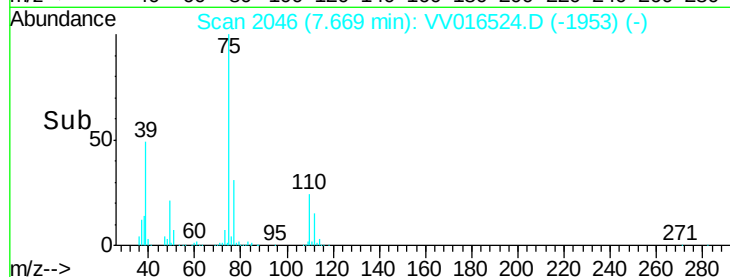
7.67

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#45

1,1,2-Trichloroethane

Concen: 48.722 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Tgt Ion: 97 Resp: 133079

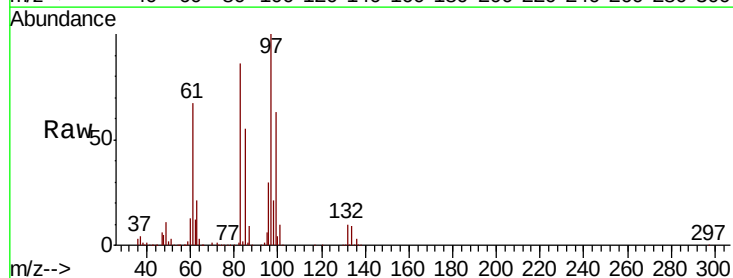
Ion Ratio Lower Upper

97 100

99 62.8 42.9 79.7

83 85.9 59.3 110.1

85 55.2 37.5 69.7



Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

120000

100000

80000

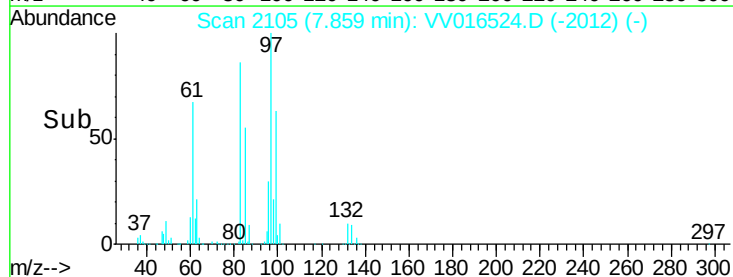
60000

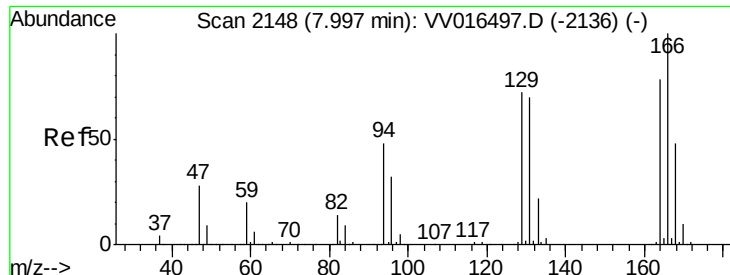
40000

20000

0

Time--> 7.80 7.85 7.90 7.95

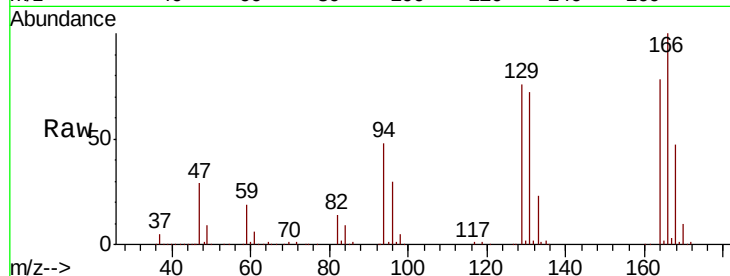




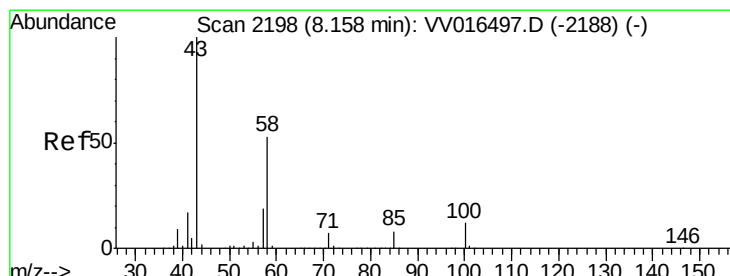
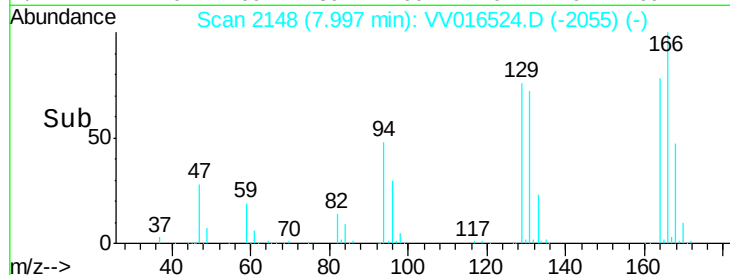
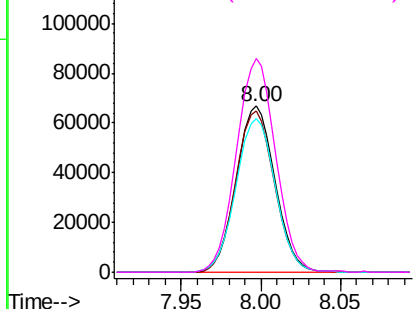
#46
Tetrachloroethene
Concen: 50.179 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016524.D
Acq: 05 Jun 2020 10:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 110019
Ion Ratio Lower Upper
164 100
129 97.3 67.7 125.7
131 92.8 63.8 118.6
166 128.7 88.7 164.7

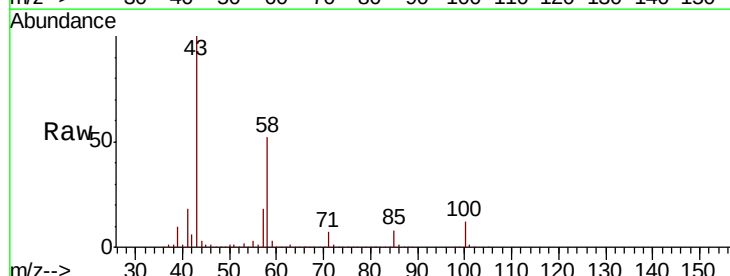


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

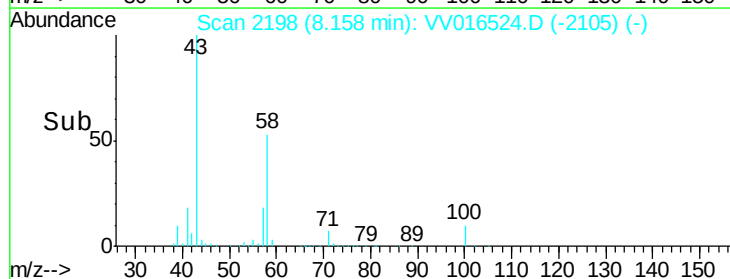
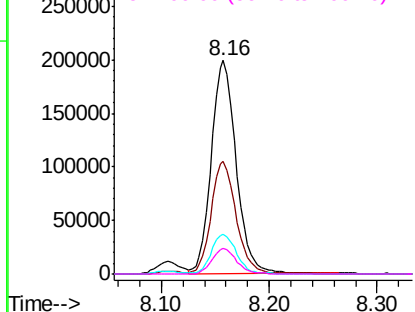


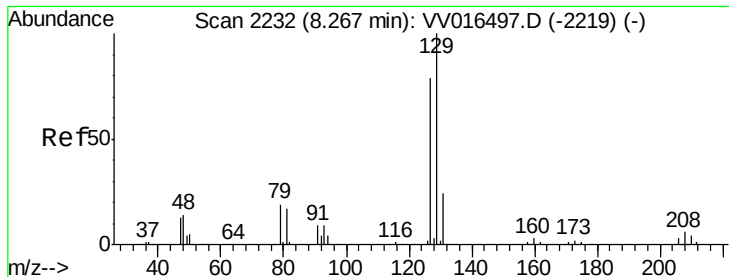
#48
2-Hexanone
Concen: 105.661 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016524.D
Acq: 05 Jun 2020 10:25

Tgt Ion: 43 Resp: 319277
Ion Ratio Lower Upper
43 100
58 52.2 42.7 64.1
57 18.4 14.5 21.7
100 11.8 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

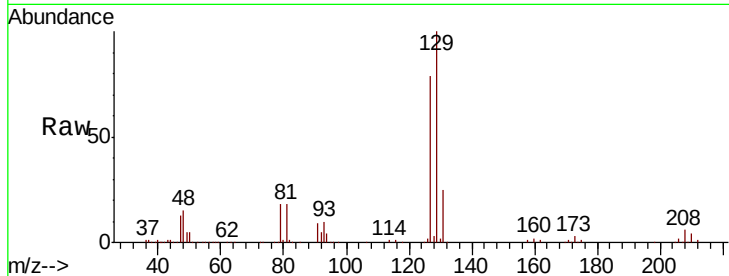




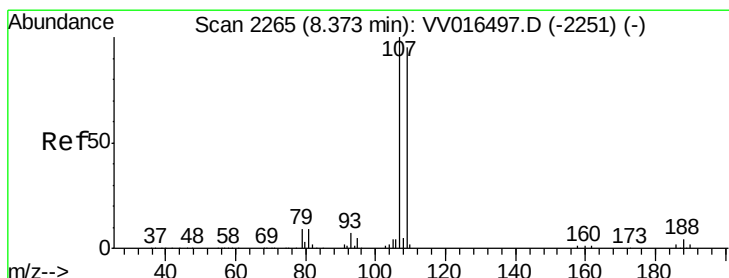
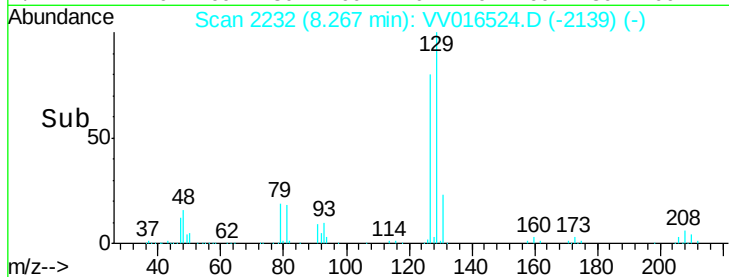
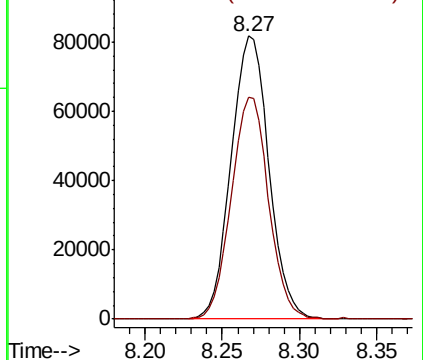
#49
 Dibromochloromethane
 Concen: 52.265 ug/L
 RT: 8.27 min Scan# 2232
 Delta R.T. 0.00 min
 Lab File: VV016524.D
 Acq: 05 Jun 2020 10:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:129 Resp: 138785
 Ion Ratio Lower Upper
 129 100
 127 78.6 54.6 101.4

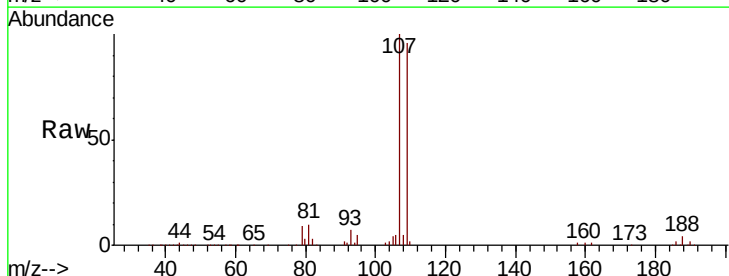


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

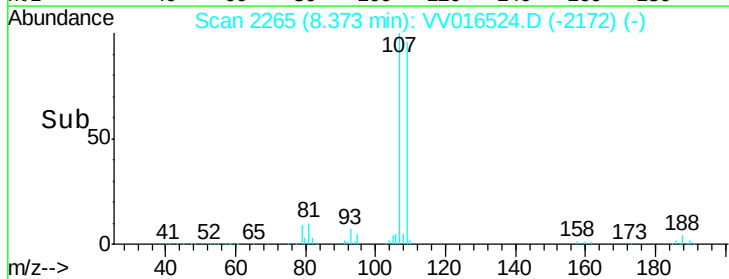
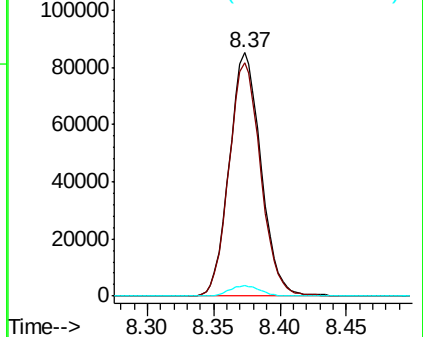


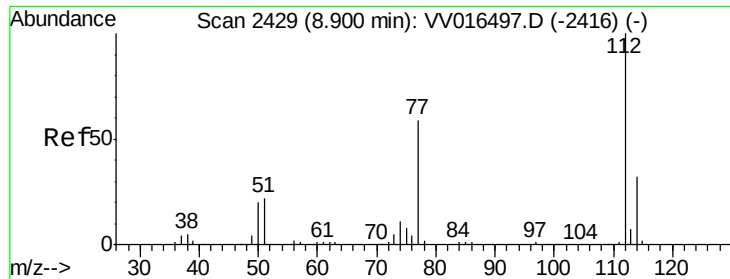
#50
 1,2-Dibromoethane
 Concen: 48.890 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV016524.D
 Acq: 05 Jun 2020 10:25

Tgt Ion:107 Resp: 141259
 Ion Ratio Lower Upper
 107 100
 109 95.9 65.9 122.3
 188 4.1 2.8 4.2



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 48.772 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :

MSVOA_V

ClientSampleId :

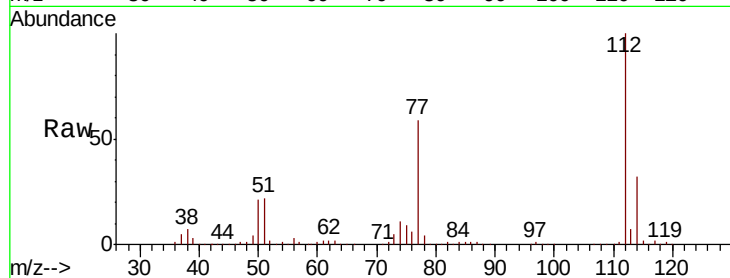
Tot Ion:112 Resp: 368107

Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.1

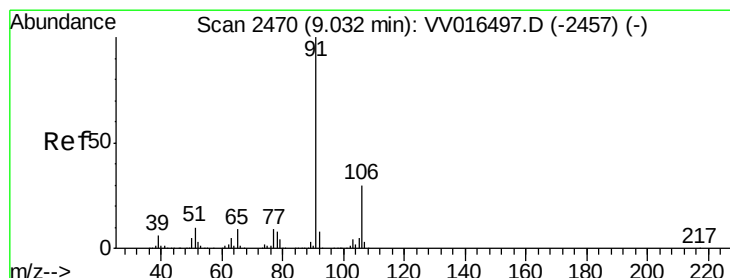
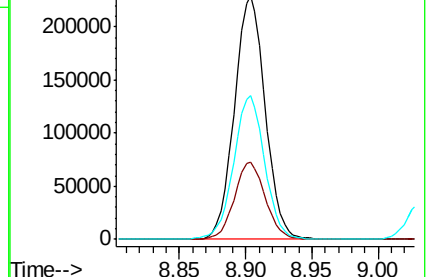
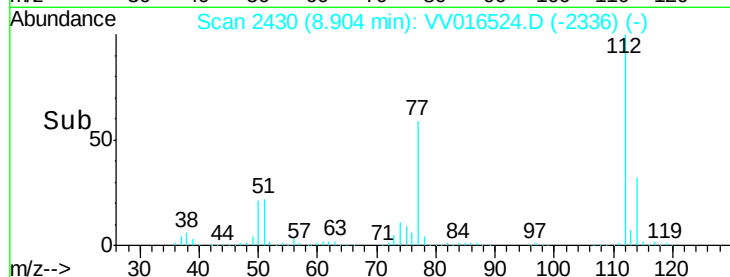
77 58.9 47.4 71.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 51.188 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016524.D

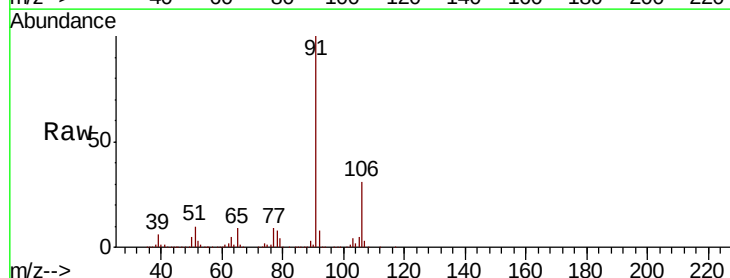
Acq: 05 Jun 2020 10:25

Tgt Ion: 91 Resp: 639792

Ion Ratio Lower Upper

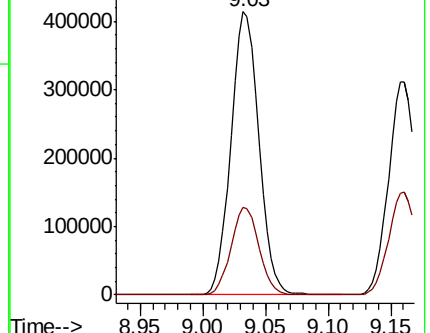
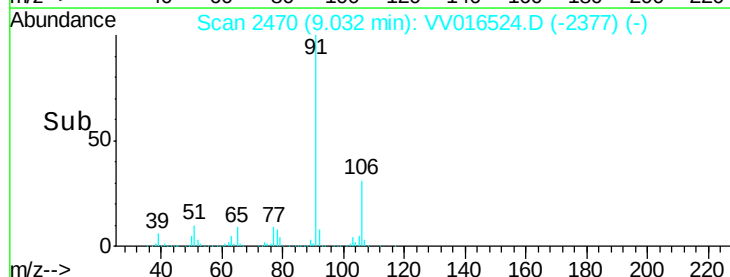
91 100

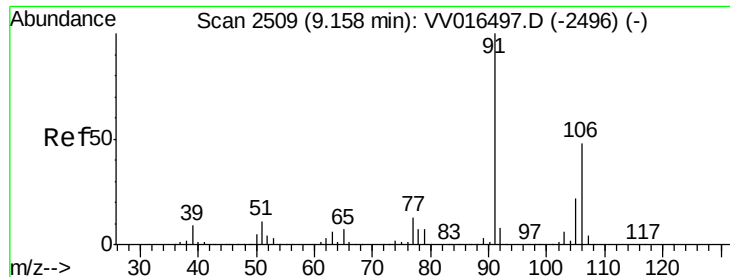
106 30.7 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 51.264 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

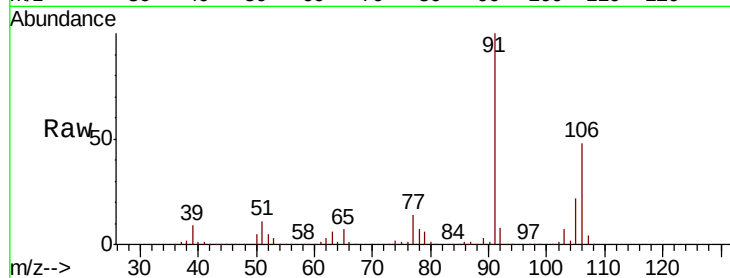
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 241601

Ion Ratio Lower Upper

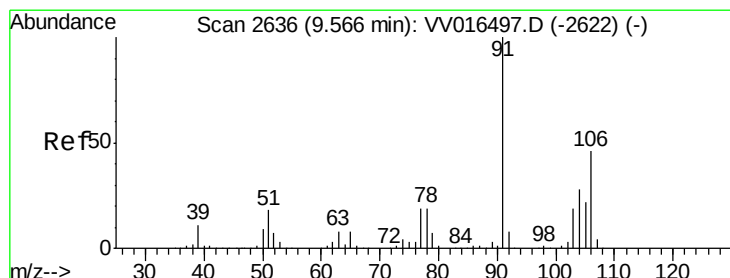
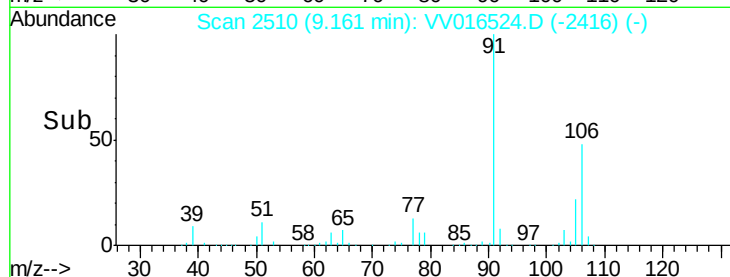
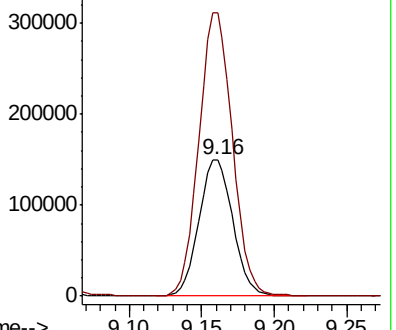
106 100

91 207.3 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 51.380 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016524.D

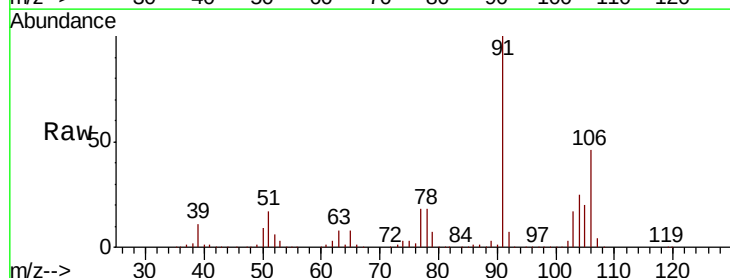
Acq: 05 Jun 2020 10:25

Tgt Ion:106 Resp: 234517

Ion Ratio Lower Upper

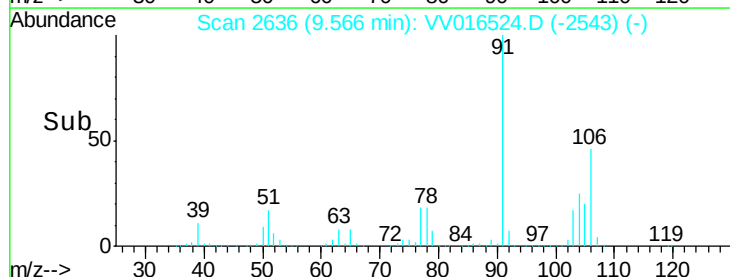
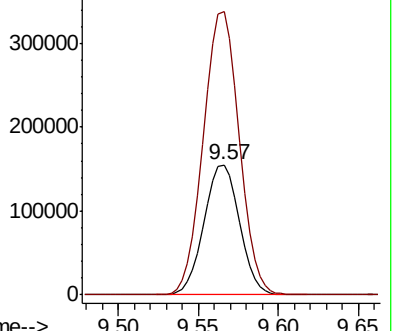
106 100

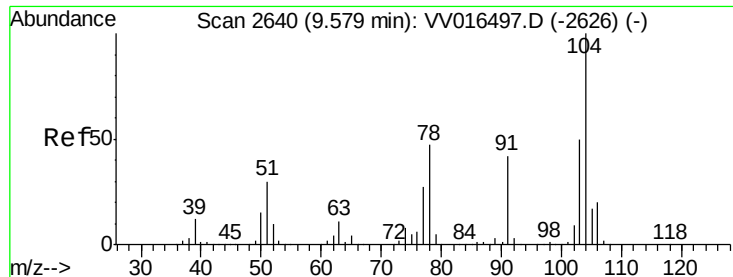
91 217.5 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

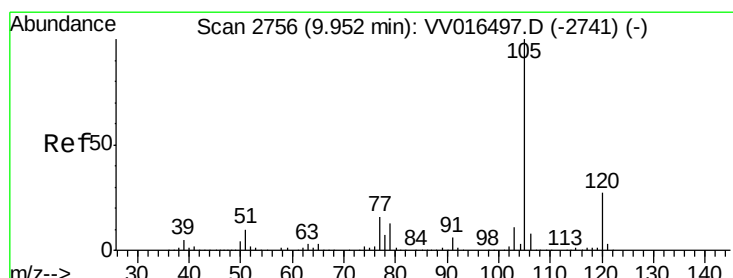
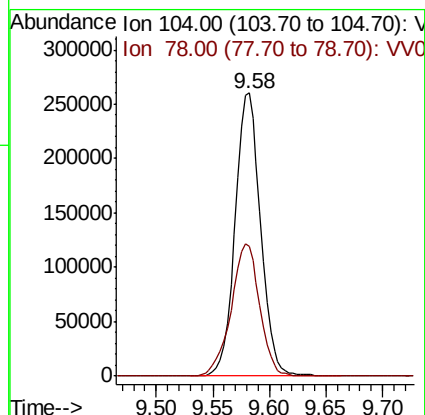
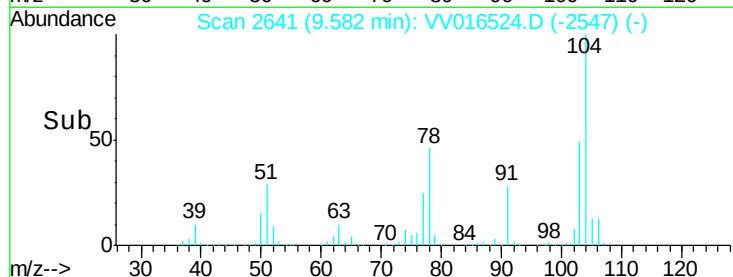
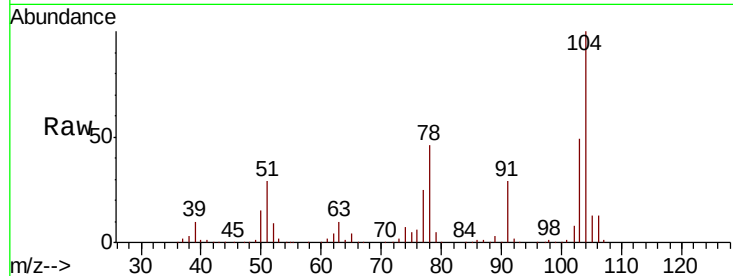




#55
Stvrene
Concen: 51.032 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016524.D
Acq: 05 Jun 2020 10:25

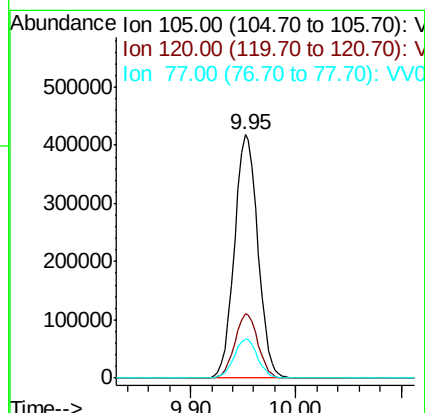
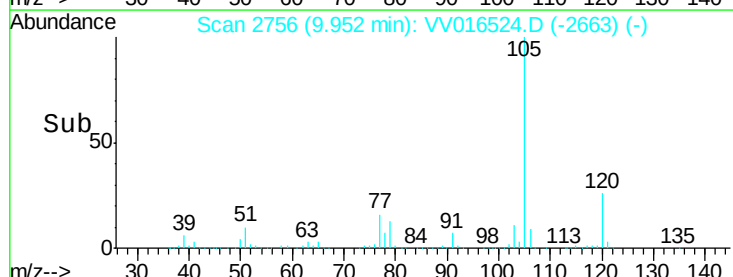
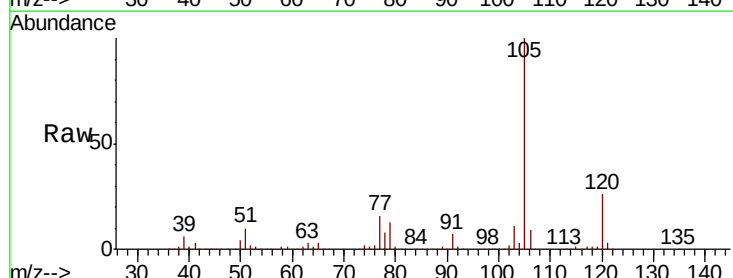
Instrument :
MSVOA_V
ClientSampled :

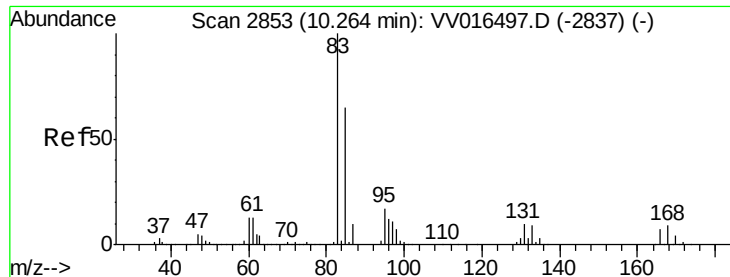
Tot Ion:104 Resp: 408061
Ion Ratio Lower Upper
104 100
78 45.6 31.9 59.3



#56
Isopropylbenzene
Concen: 54.095 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV016524.D
Acq: 05 Jun 2020 10:25

Tgt Ion:105 Resp: 641342
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.6
77 16.1 13.0 19.4





#58

1,1,2,2-Tetrachloroethane

Concen: 49.476 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :

MSVOA_V

ClientSampleId :

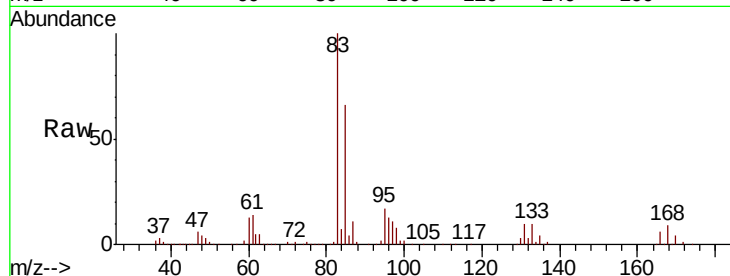
Tot Ion: 83 Resp: 216782

Ion Ratio Lower Upper

83 100

85 65.7 44.0 81.6

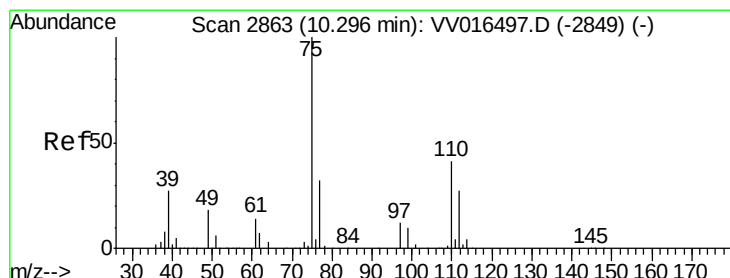
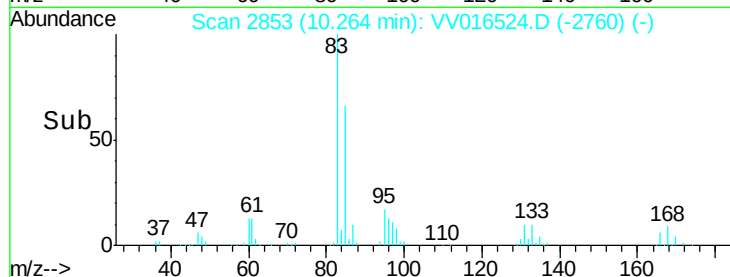
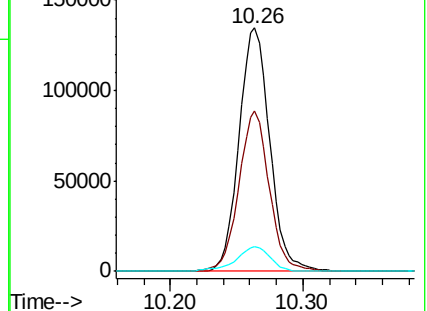
131 10.0 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV016524.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016524.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV016524.D (-2760) (-)



#59

1,2,3-Trichloropropane

Concen: 49.543 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016524.D

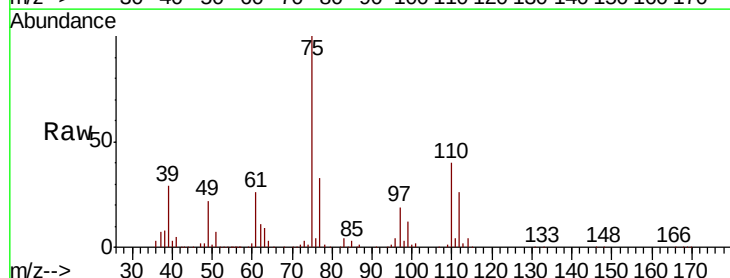
Acq: 05 Jun 2020 10:25

Tgt Ion: 75 Resp: 174636

Ion Ratio Lower Upper

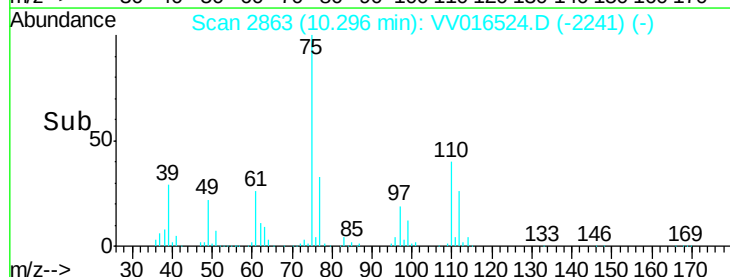
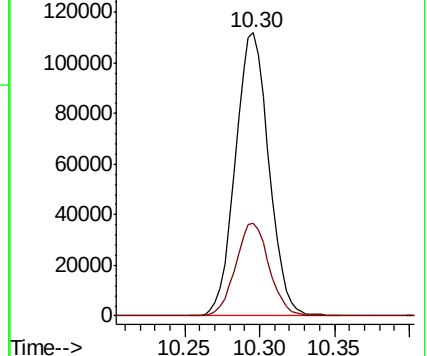
75 100

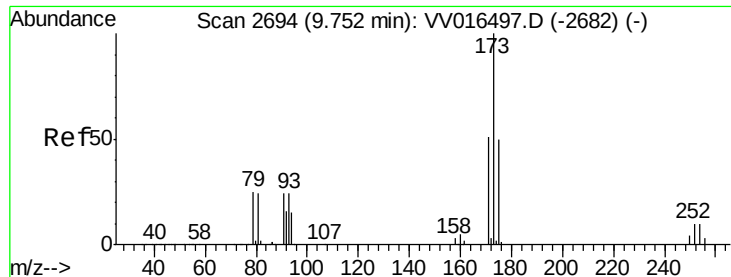
77 32.8 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV016524.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016524.D (-2241) (-)





#61

Bromoform

Concen: 57.115 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :
MSVOA_V
ClientSampleId :

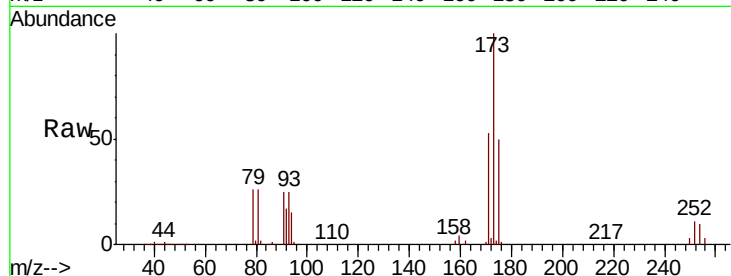
Tot Ion:173 Resp: 91774

Ion Ratio Lower Upper

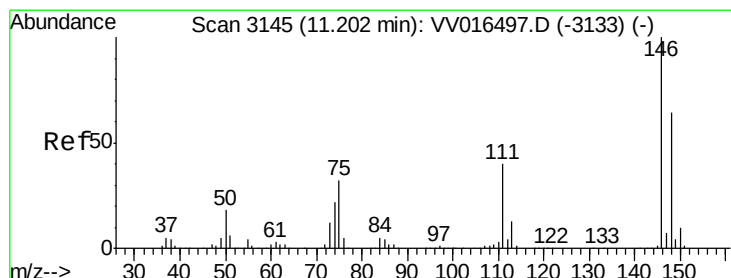
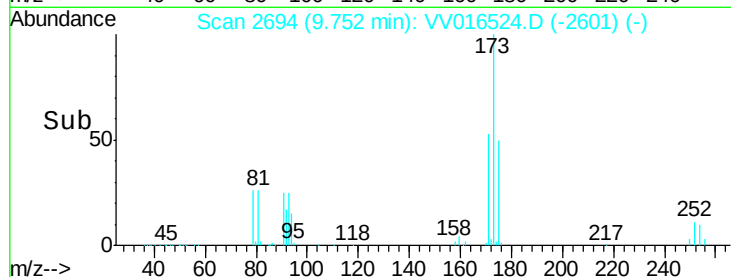
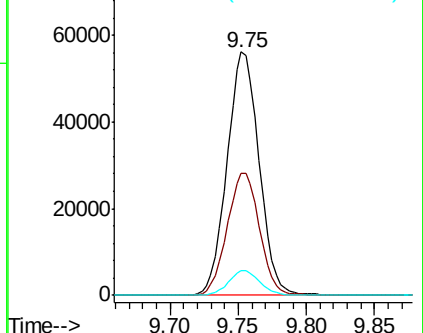
173 100

175 50.5 38.8 58.2

254 9.8 7.9 11.9



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 50.501 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

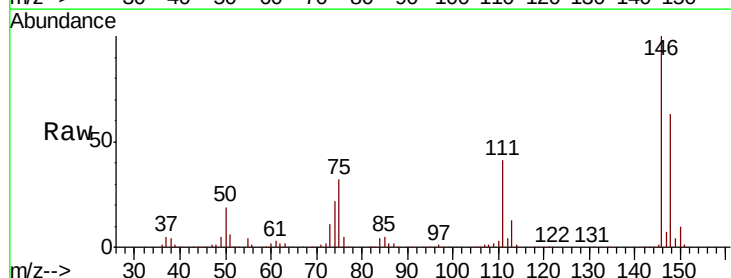
Tgt Ion:146 Resp: 300268

Ion Ratio Lower Upper

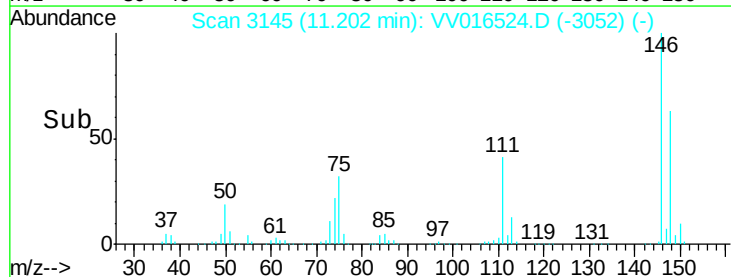
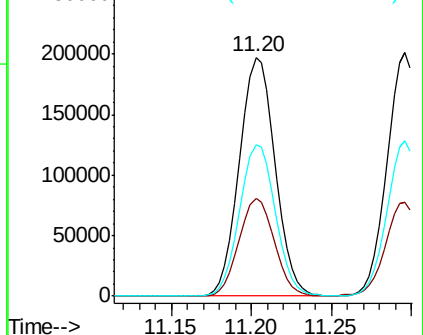
146 100

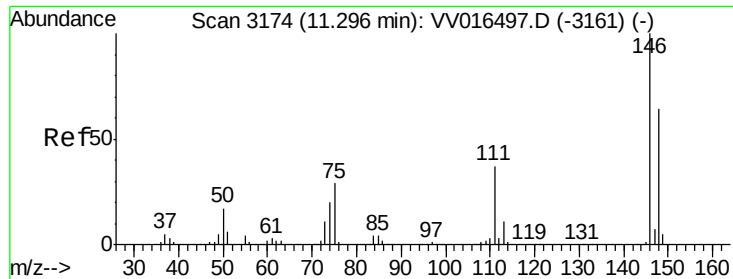
111 40.8 29.8 55.3

148 63.5 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

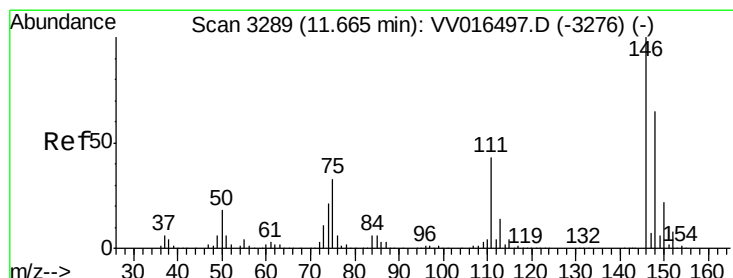
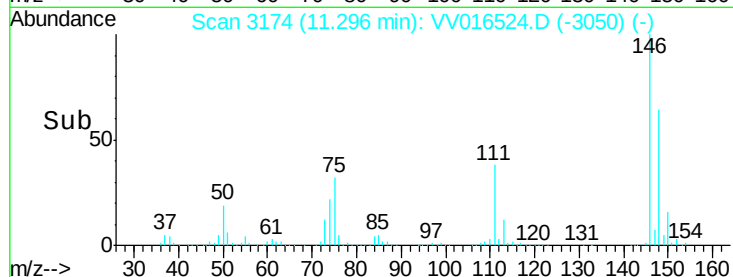
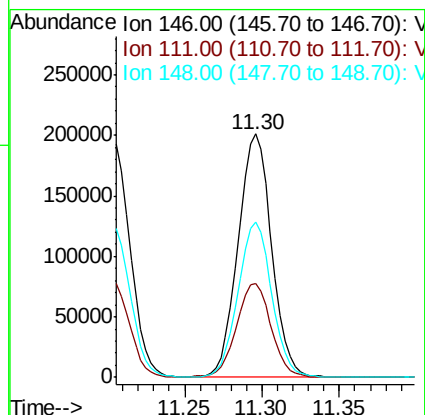
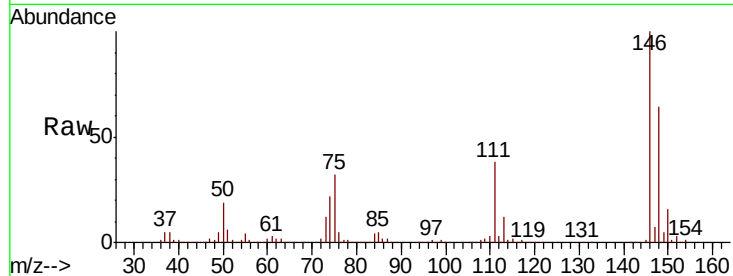




#63
 1,4-Dichlorobenzene
 Concen: 48.946 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016524.D
 Acq: 05 Jun 2020 10:25

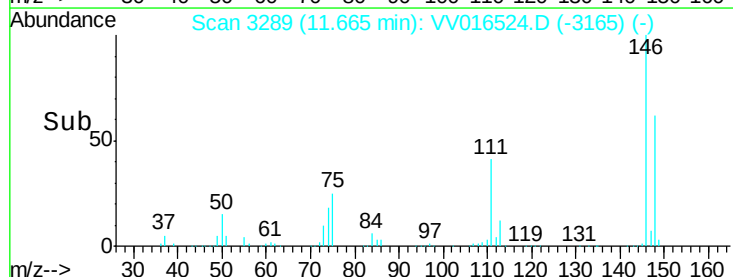
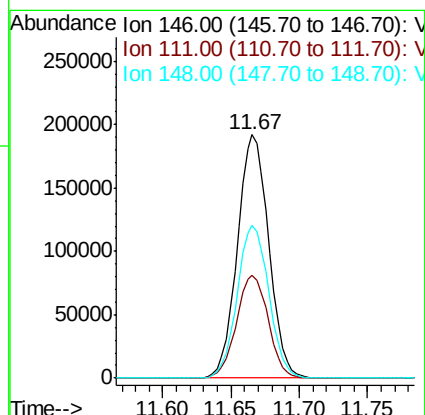
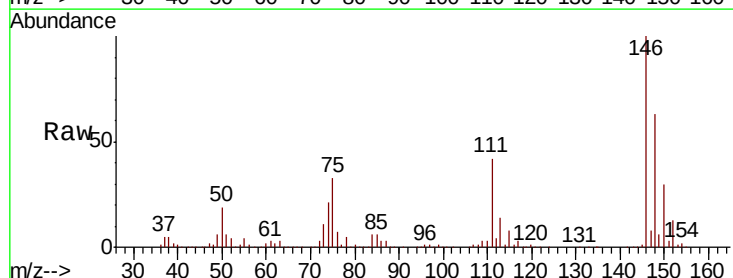
Instrument :
 MSVOA_V
 ClientSampled :

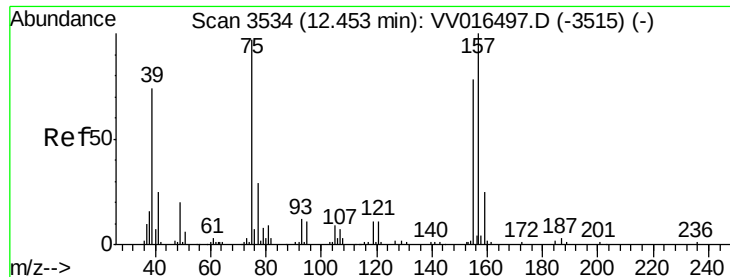
Tot Ion:146 Resp: 301956
 Ion Ratio Lower Upper
 146 100
 111 38.3 27.3 50.7
 148 63.7 44.5 82.7



#65
 1,2-Dichlorobenzene
 Concen: 51.063 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016524.D
 Acq: 05 Jun 2020 10:25

Tgt Ion:146 Resp: 305589
 Ion Ratio Lower Upper
 146 100
 111 42.2 33.6 50.4
 148 62.5 51.5 77.3





#66

1,2-Dibromo-3-chloropropane

Concen: 52.846 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Instrument :

MSVOA_V

ClientSampleId :

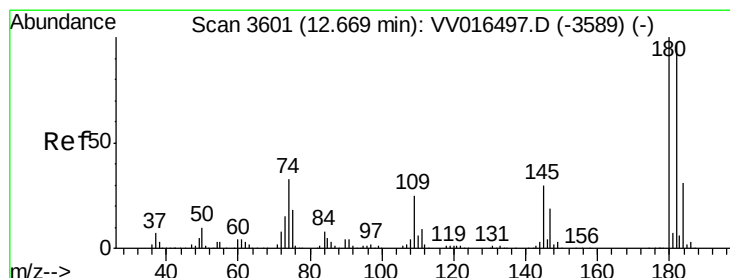
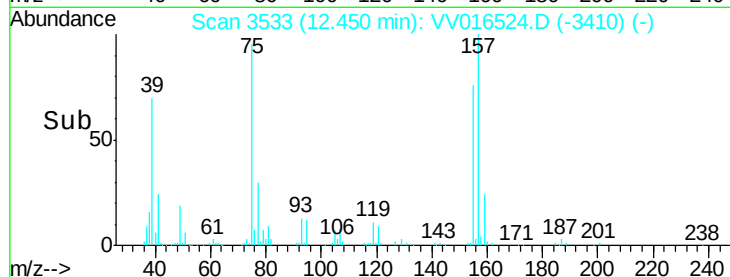
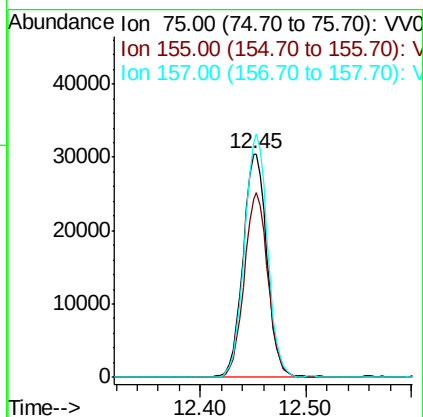
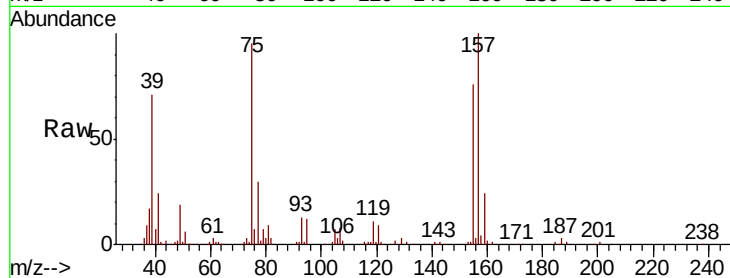
Tot Ion: 75 Resp: 47995

Ion Ratio Lower Upper

75 100

155 79.5 66.2 99.2

157 104.8 83.0 124.4



#67

1,3,5-Trichlorobenzene

Concen: 56.634 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV016524.D

Acq: 05 Jun 2020 10:25

Tgt Ion: 180 Resp: 226542

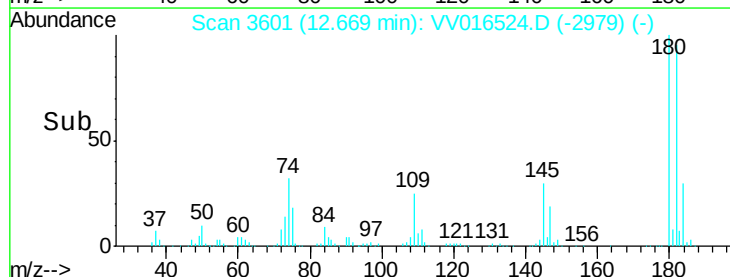
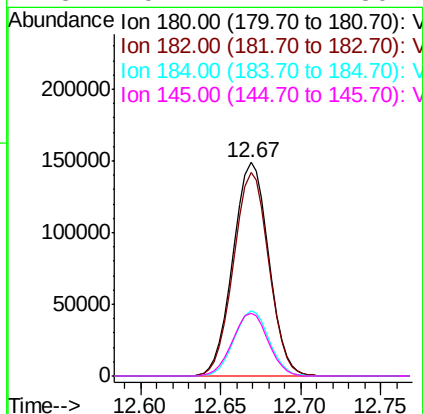
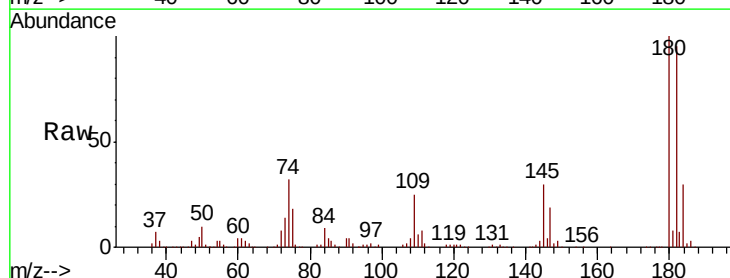
Ion Ratio Lower Upper

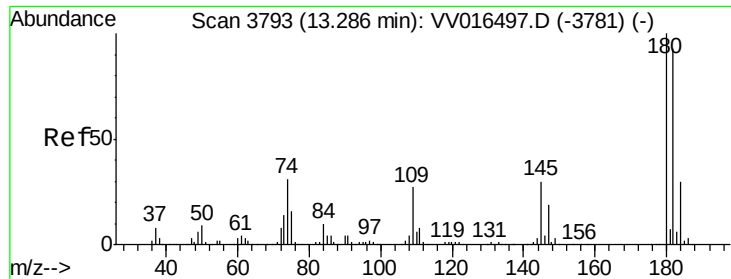
180 100

182 93.9 75.8 113.8

184 29.9 24.4 36.6

145 29.4 24.2 36.2

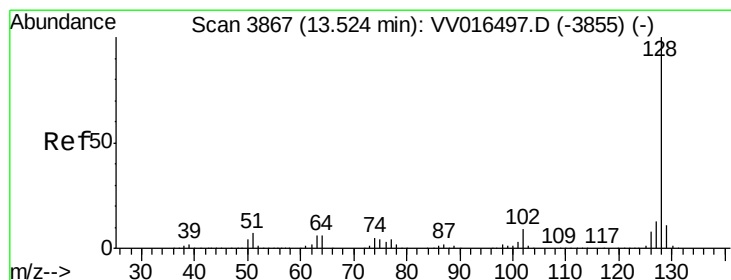
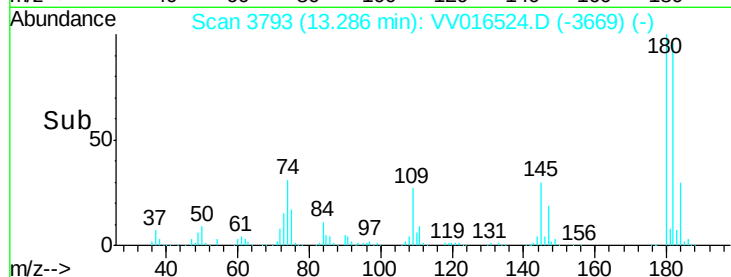
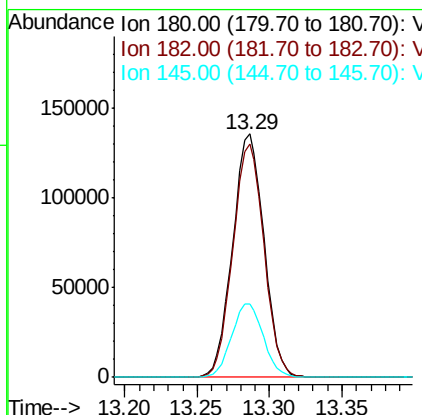
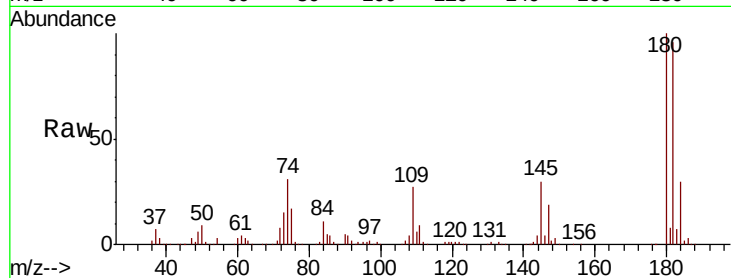




#68
 1,2,4-trichlorobenzene
 Concen: 55.053 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016524.D
 Acq: 05 Jun 2020 10:25

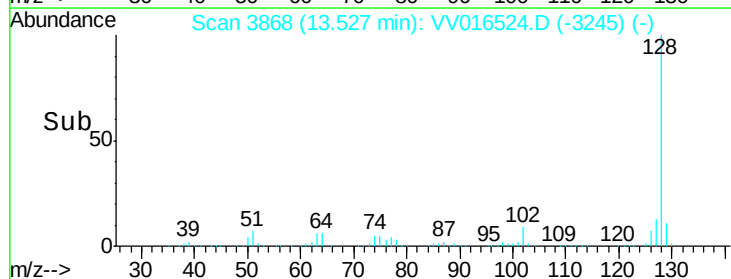
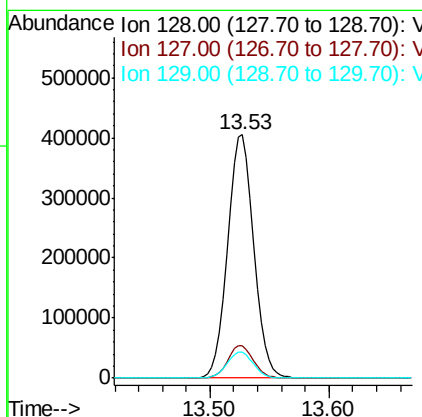
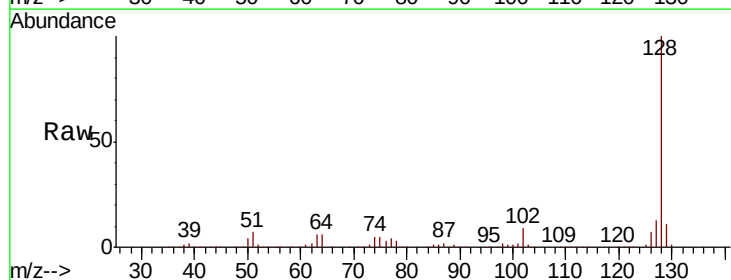
Instrument :
 MSVOA_V
 ClientSampleId :

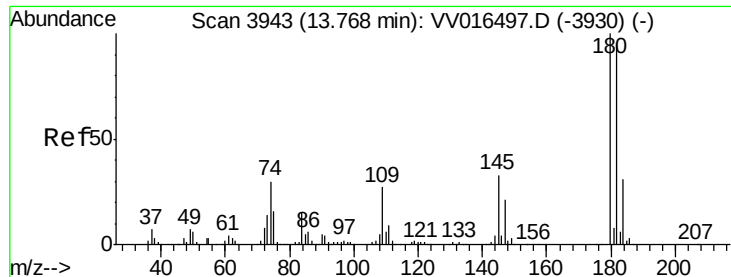
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	74.6	111.8
145	30.4	24.5	36.7



#69
 Naphthalene
 Concen: 54.201 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016524.D
 Acq: 05 Jun 2020 10:25

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.8	8.7	13.1

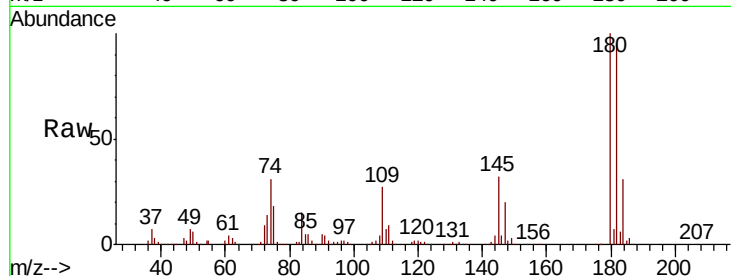




#70
 1,2,3-Trichlorobenzene
 Concen: 57.969 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016524.D
 Acq: 05 Jun 2020 10:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.0	114.0
145	32.3	26.5	39.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

