

Data File : VV012041.D
Acq On : 26 Jul 2019 09:19
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Quant Time: Jul 26 23:17:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	131678	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	125141	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	65879	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30079	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.59	69	26638	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.13	63	69812	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.40%
20) 2-Butanone-d5	3.97	46	112973	56.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.94%
24) Chloroform-d	4.40	84	89512	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.08	65	48688	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.10	84	175787	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.12	67	51530	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.36	98	164649	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.66	79	20722	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.14	63	90810	55.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39118	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	65367	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	73552	5.404 ug/L	100
3) Chloromethane	1.25	50	42111	5.332 ug/L	93
5) Vinyl chloride	1.32	62	45293	5.601 ug/L	96
6) Bromomethane	1.54	94	27841	5.854 ug/L	98
8) Chloroethane	1.60	64	26037	5.443 ug/L	98
9) Trichlorofluoromethane	1.77	101	86160	5.781 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	38337	5.722 ug/L	98
12) 1,1-Dichloroethene	2.14	96	33547	5.598 ug/L	93
13) Acetone	2.23	43	58616	54.357 ug/L	98
14) Carbon disulfide	2.32	76	90402	5.292 ug/L	99
15) Methyl Acetate	2.47	43	10873	4.619 ug/L	100
16) Methylene chloride	2.53	84	33240	4.946 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	111974	5.476 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	50065	5.364 ug/L	98
19) 1,1-Dichloroethane	3.23	63	91624	5.558 ug/L	99
21) 2-Butanone	4.05	43	114150	55.181 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	53952	5.379 ug/L	99

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Quant Time: Jul 26 23:17:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	23259	5.640	ug/L	98
25) Chloroform	4.42	83	109179	5.484	ug/L	100
27) 1,2-Dichloroethane	5.18	62	61812	5.584	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	91758	5.729	ug/L	100
30) Cyclohexane	4.72	56	78833	5.210	ug/L	100
31) Carbon tetrachloride	4.87	117	82540	5.724	ug/L	97
33) Benzene	5.14	78	205459	5.581	ug/L	100
34) Trichloroethene	5.96	95	56257	5.503	ug/L	98
35) Methylcyclohexane	6.17	83	89261	5.610	ug/L	98
37) 1,2-Dichloropropane	6.22	63	49206	5.560	ug/L	100
38) Bromodichloromethane	6.55	83	66247	5.603	ug/L #	99
39) cis-1,3-Dichloropropene	7.07	75	73509	5.604	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	281474	56.925	ug/L	100
42) Toluene	7.43	91	228009	5.771	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	59413	5.695	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	33541	5.488	ug/L	97
47) Tetrachloroethene	8.02	164	49840	5.650	ug/L	94
48) 2-Hexanone	8.19	43	200912	57.922	ug/L	99
49) Dibromochloromethane	8.29	129	43556	5.820	ug/L	99
50) 1,2-Dibromoethane	8.40	107	32496	5.631	ug/L	94
51) Chlorobenzene	8.92	112	146302	5.655	ug/L	100
52) Ethylbenzene	9.05	91	257350	5.706	ug/L	98
53) m,p-xylene	9.18	106	99143	5.775	ug/L	100
54) o-xylene	9.59	106	92113	5.659	ug/L	96
55) Styrene	9.60	104	159423	5.812	ug/L	96
56) Isopropylbenzene	9.97	105	257162	5.657	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	37888	5.719	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	29088	5.635	ug/L	99
61) Bromoform	9.77	173	23518	5.816	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	120903	5.611	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	123800	5.581	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	112904	5.691	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	6199	5.379	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	99610	5.527	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	80916	5.529	ug/L	99
69) Naphthalene	13.55	128	110256	4.996	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	72311	5.446	ug/L	97

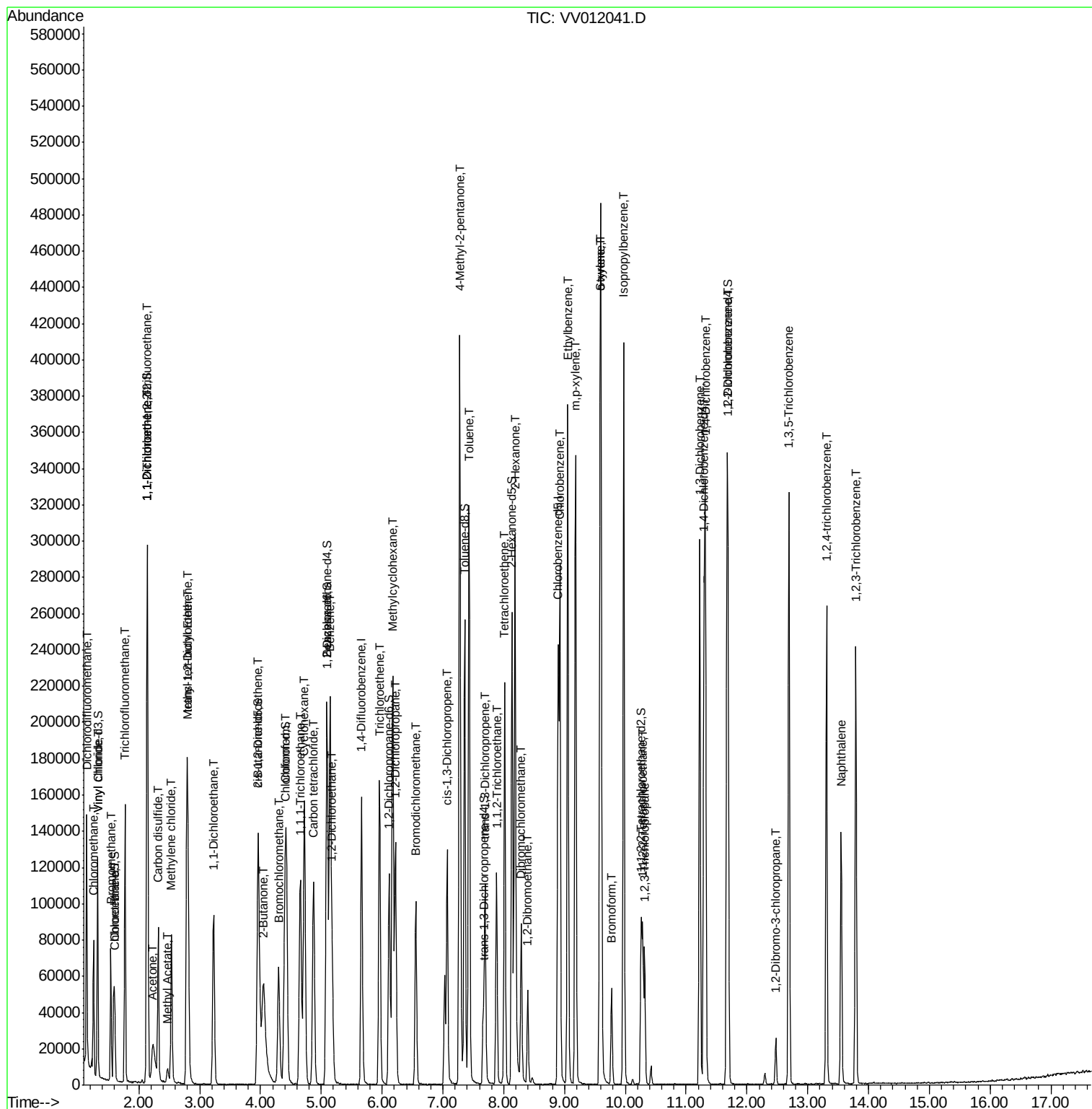
(#) = qualifier out of range (m) = manual integration (+) = signals summed

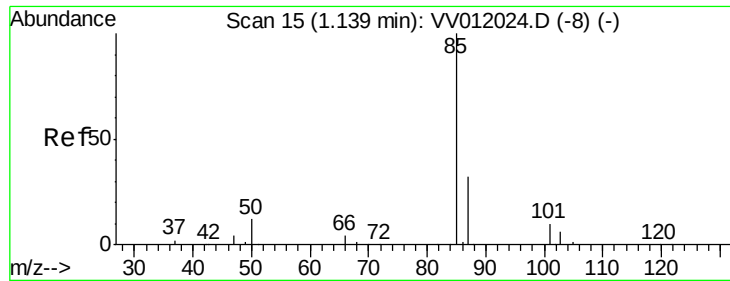
Data File : VV012041.D

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Acq On       : 26 Jul 2019   09:19
Operator     : SY/MD
Sample       : VSTDCCC005
Misc         : 25ML/MSVOA_V/WATER
ALS Vial     : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Quant Time: Jul 26 23:17:29 2019
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#2

Dichlorodifluoromethane

Concen: 5.404 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

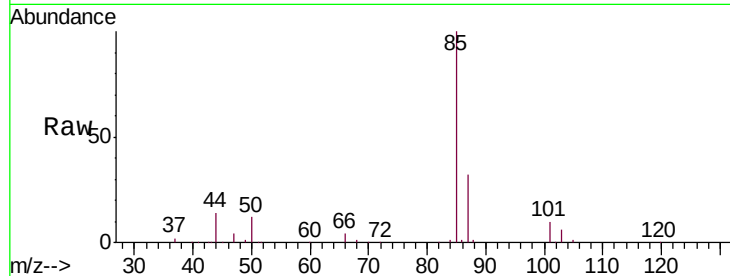
VSTD00551

Tgt Ion: 85 Resp: 73552

Ion Ratio Lower Upper

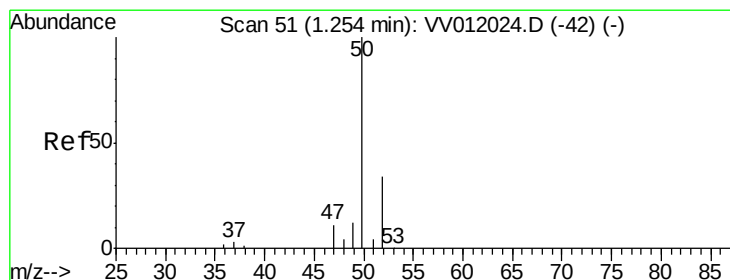
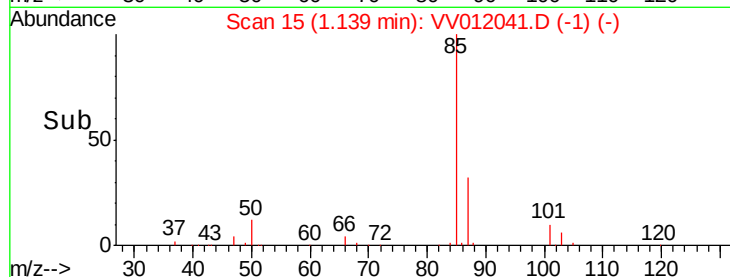
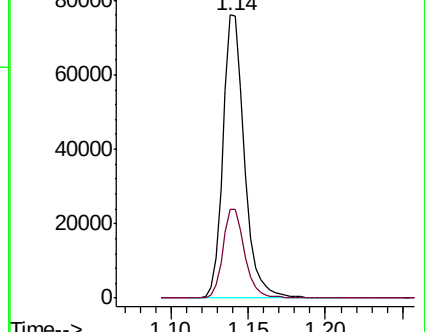
85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV012024.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012024.D (-8) (-)



#3

Chloromethane

Concen: 5.332 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012041.D

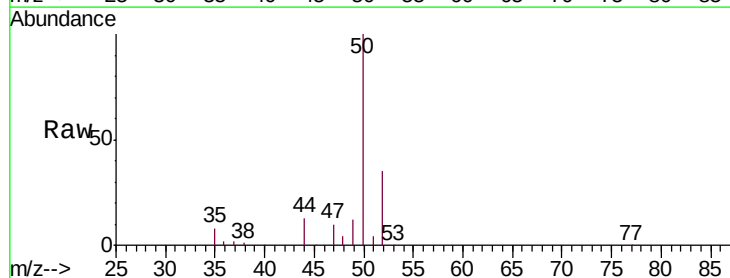
Acq: 26 Jul 2019 09:19

Tgt Ion: 50 Resp: 42111

Ion Ratio Lower Upper

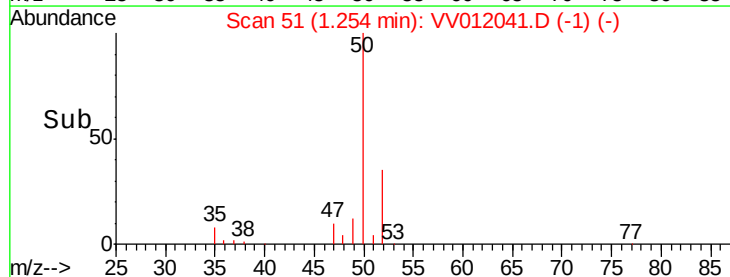
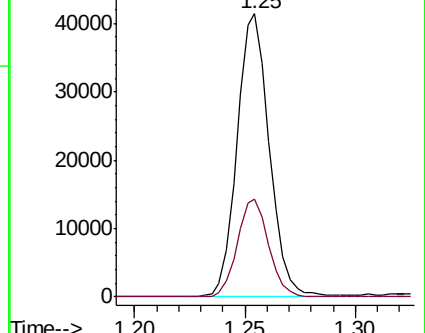
50 100

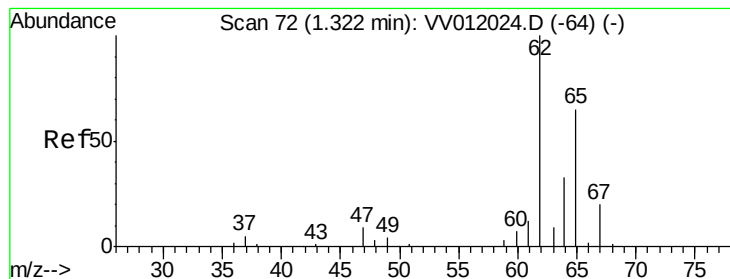
52 34.7 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV012024.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012024.D (-42) (-)





#5

Vinyl chloride

Concen: 5.601 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

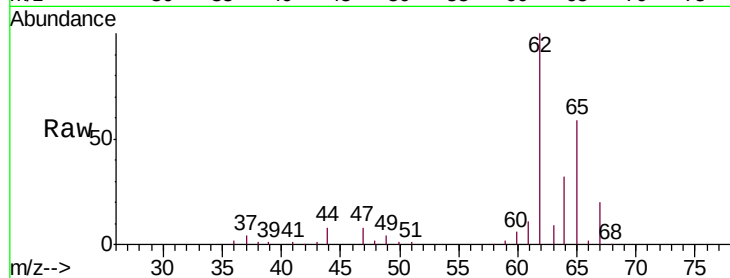
VSTD00551

Tgt Ion: 62 Resp: 45293

Ion Ratio Lower Upper

62 100

64 32.3 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

30000

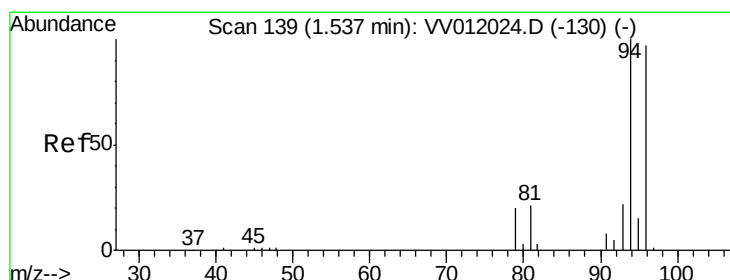
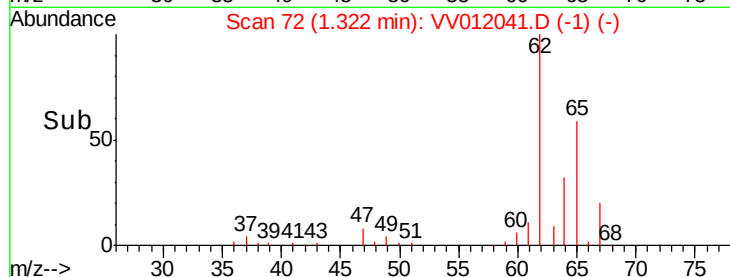
20000

10000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 5.854 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012041.D

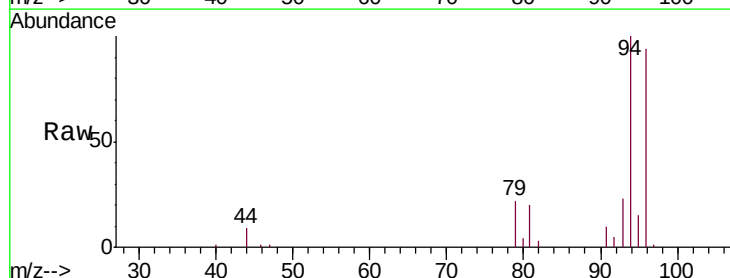
Acq: 26 Jul 2019 09:19

Tgt Ion: 94 Resp: 27841

Ion Ratio Lower Upper

94 100

96 94.3 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

25000

20000

15000

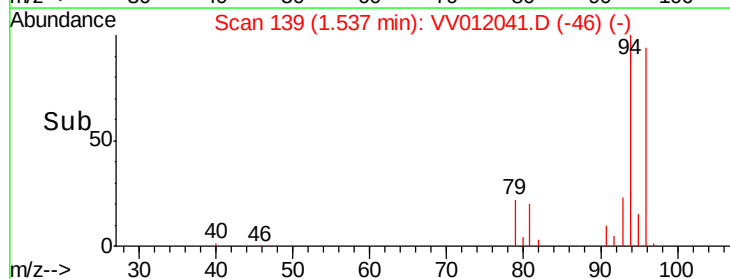
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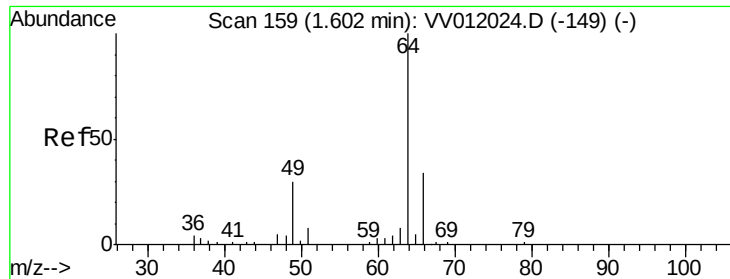
5000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 5.443 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

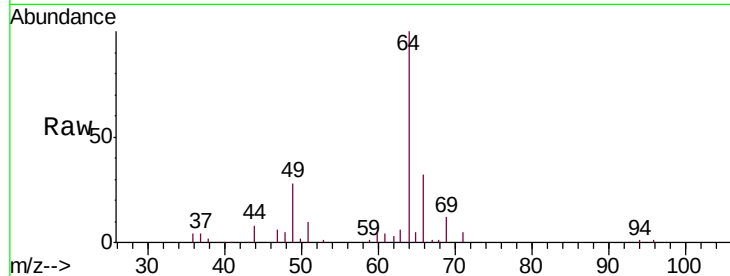
VSTD00551

Tgt Ion: 64 Resp: 26037

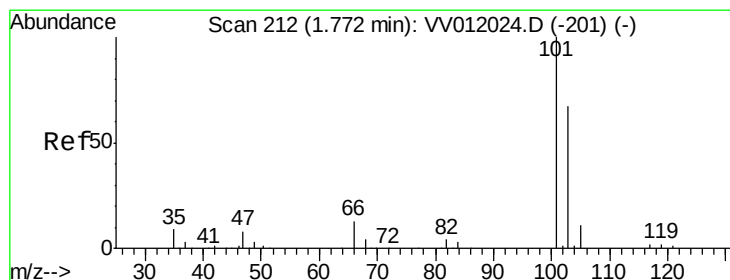
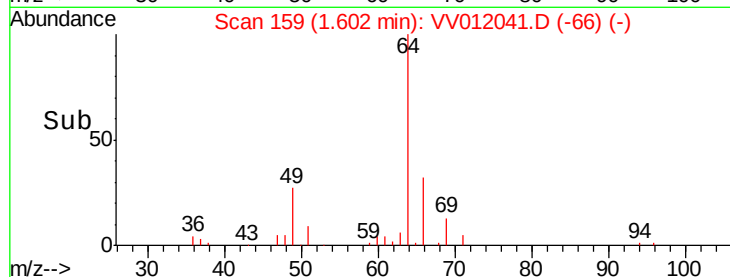
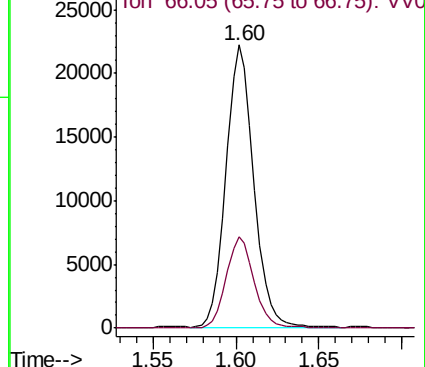
Ion Ratio Lower Upper

64 100

66 32.1 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV012024.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 5.781 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012041.D

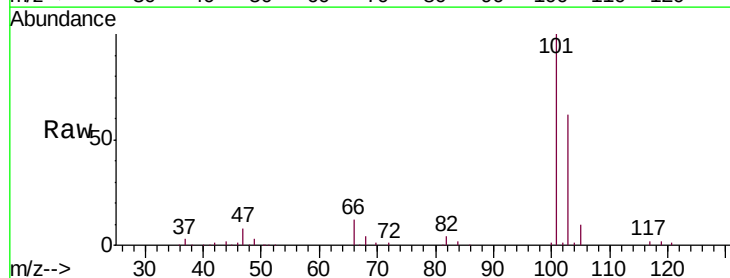
Acq: 26 Jul 2019 09:19

Tgt Ion: 101 Resp: 86160

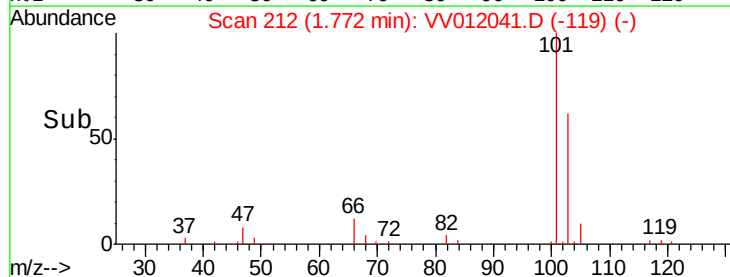
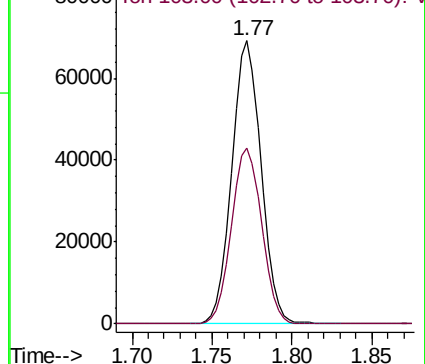
Ion Ratio Lower Upper

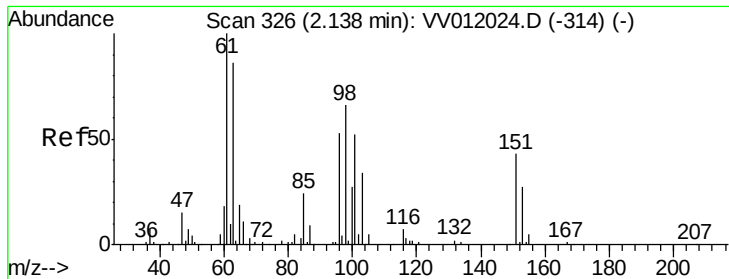
101 100

103 64.1 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VV012024.D (-201) (-)





#10

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

Concen: 5.722 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

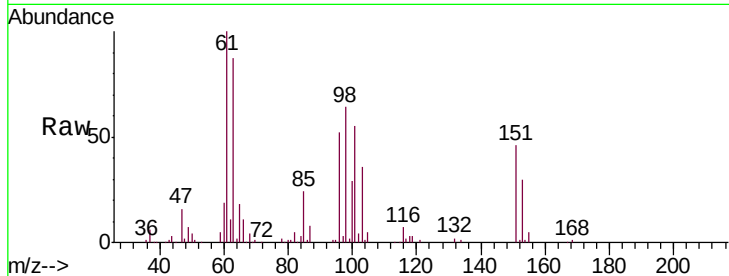
Tgt Ion: 101 Resp: 38337

Ion Ratio Lower Upper

101 100

85 44.3 37.0 55.6

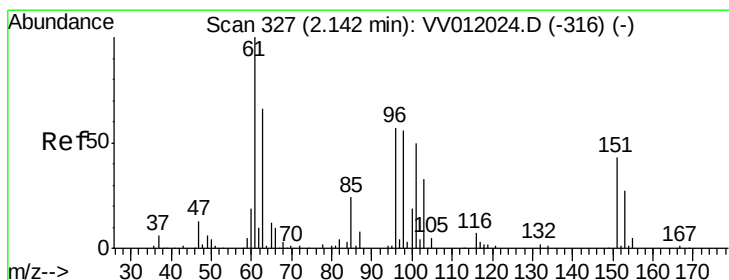
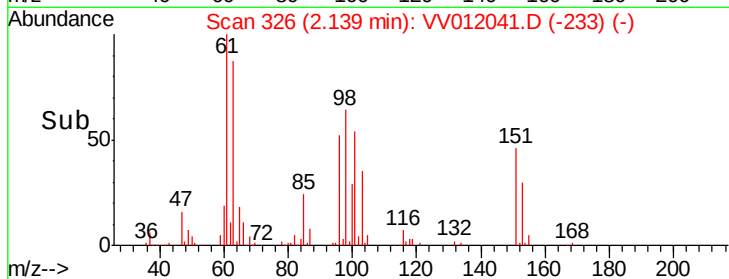
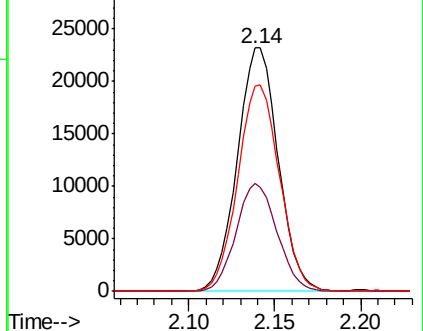
151 86.6 68.3 102.5



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: 5.598 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

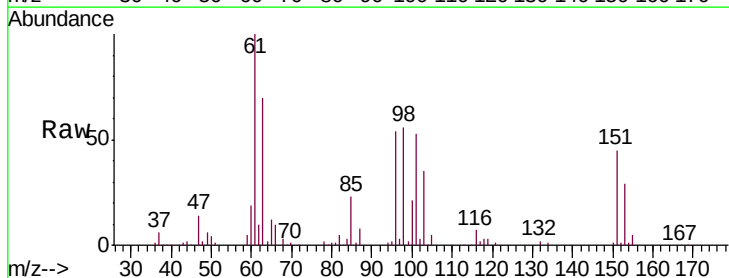
Tgt Ion: 96 Resp: 33547

Ion Ratio Lower Upper

96 100

61 186.9 132.7 246.5

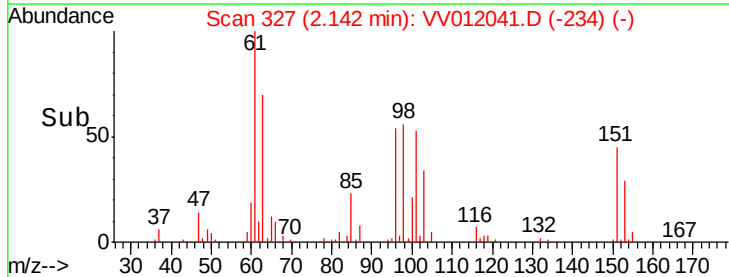
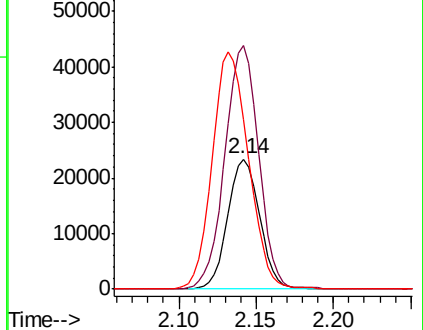
63 130.2 104.0 193.1

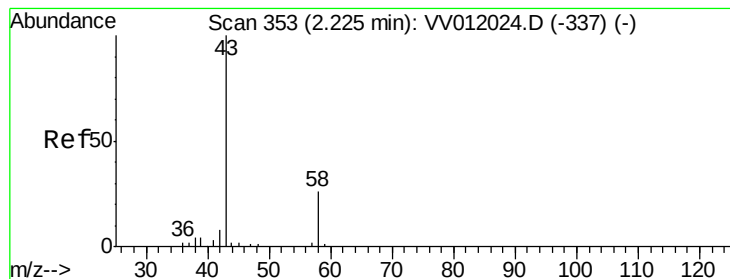


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 54.357 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.01 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

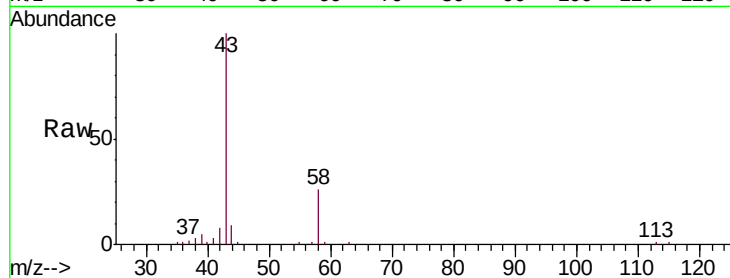
VSTD00551

Tgt Ion: 43 Resp: 58616

Ion Ratio Lower Upper

43 100

58 24.6 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV012024.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV012024.D (-337) (-)

2.23

15000

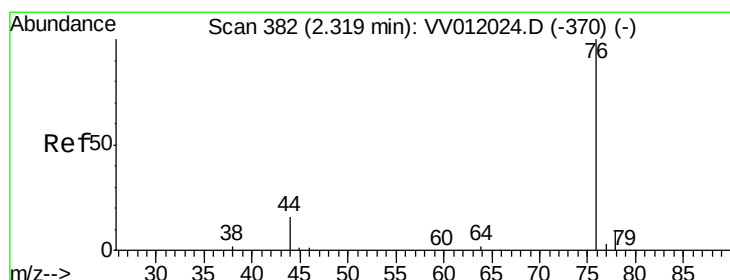
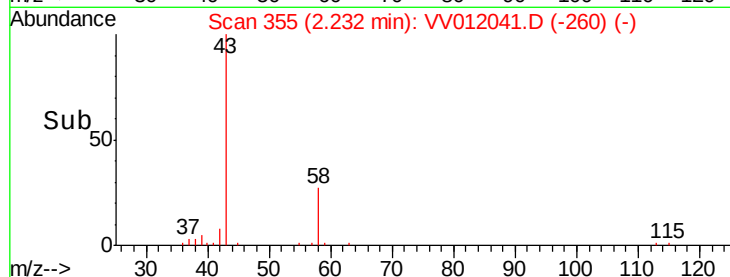
10000

5000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.292 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012041.D

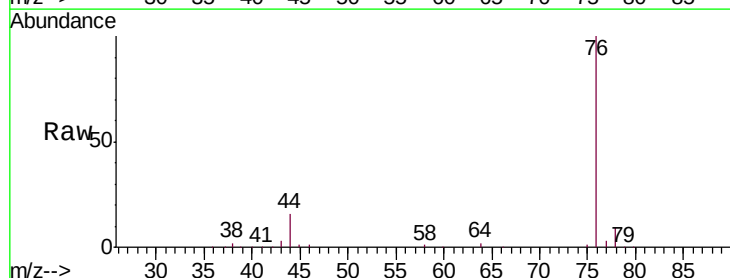
Acq: 26 Jul 2019 09:19

Tgt Ion: 76 Resp: 90402

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV012024.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV012024.D (-370) (-)

2.32

60000

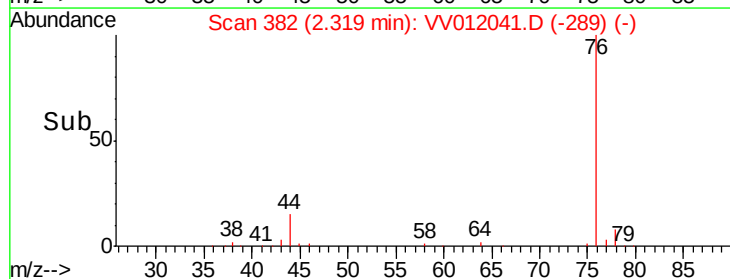
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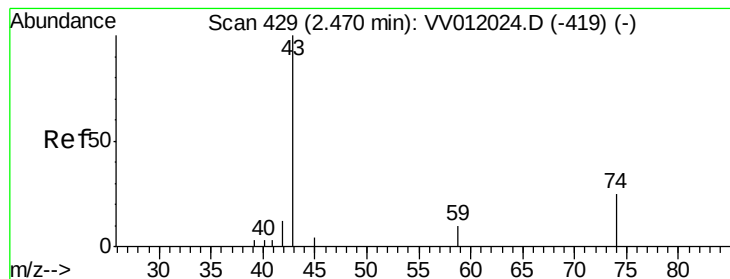
20000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 4.619 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleID :

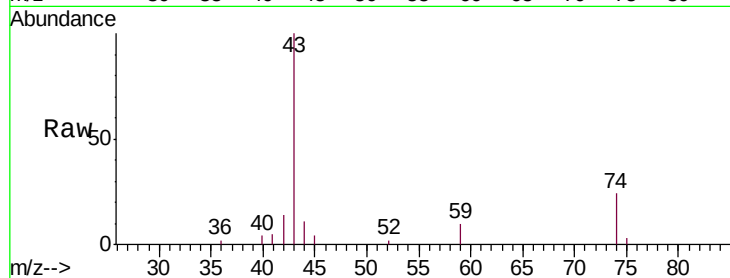
VSTD00551

Tgt Ion: 43 Resp: 10873

Ion Ratio Lower Upper

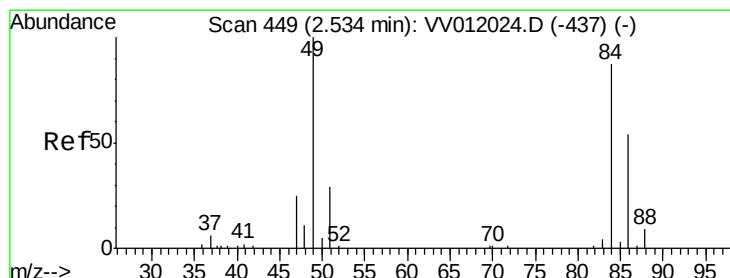
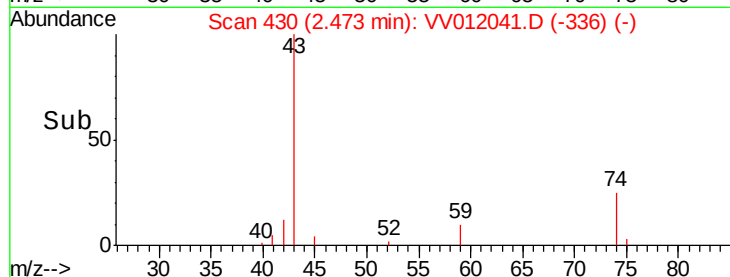
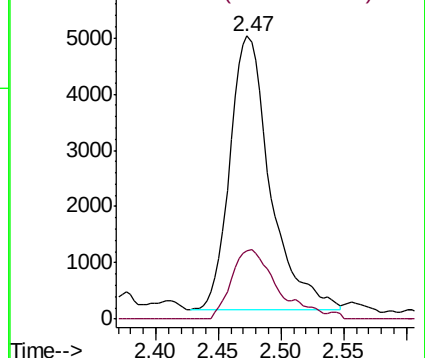
43 100

74 29.1 23.4 35.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.946 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

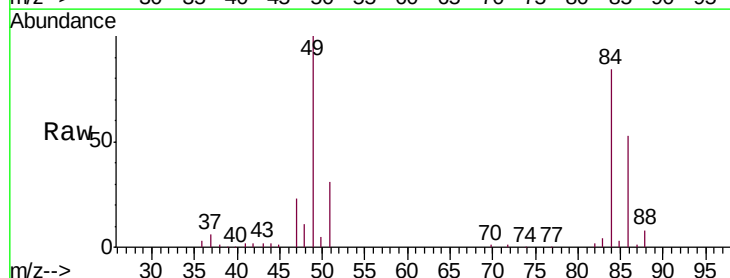
Tgt Ion: 84 Resp: 33240

Ion Ratio Lower Upper

84 100

86 63.5 47.6 88.4

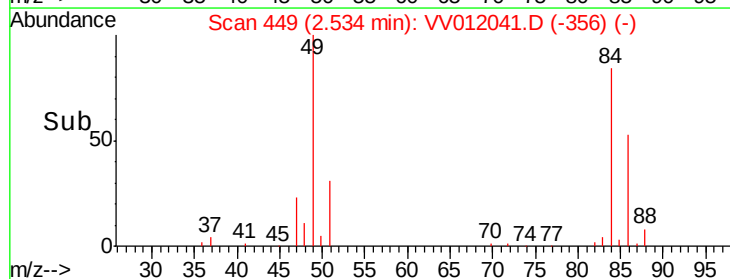
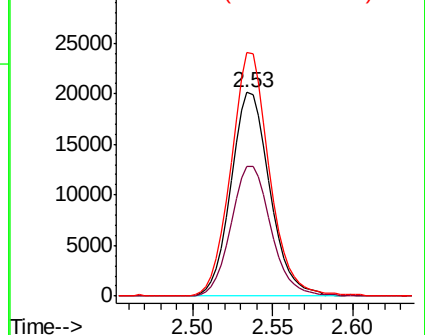
49 119.7 84.3 156.5

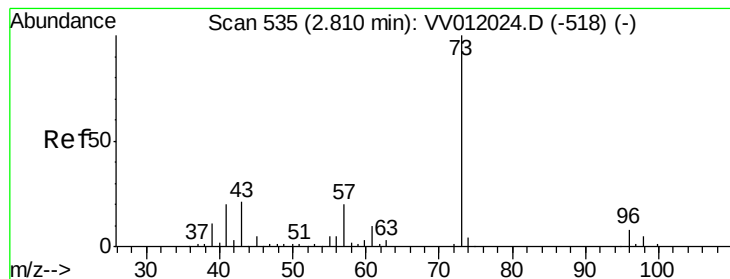


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 5.476 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

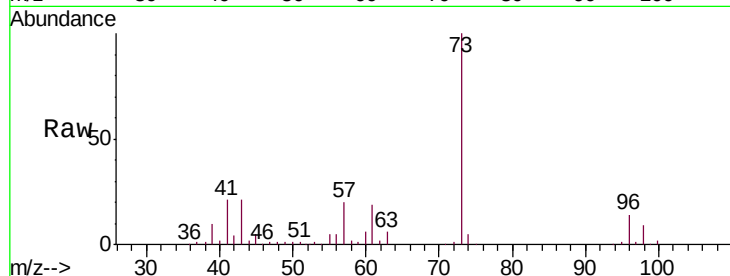
Tgt Ion: 73 Resp: 111974

Ion Ratio Lower Upper

73 100

43 22.0 17.0 25.4

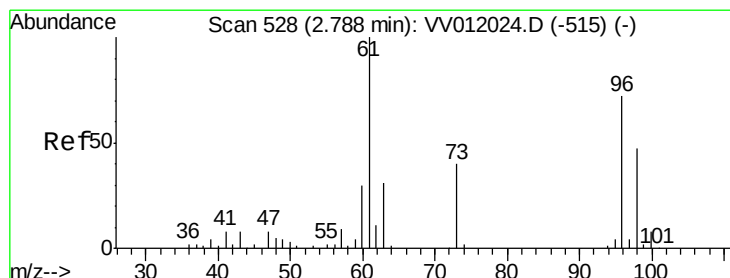
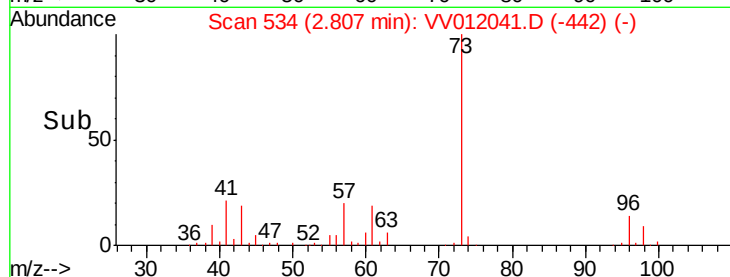
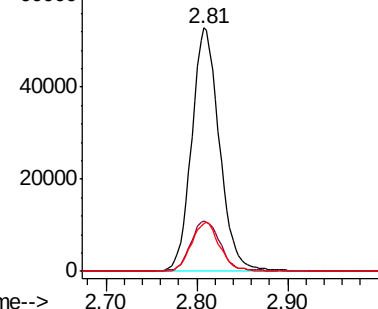
57 20.6 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV012024.D (-518) (-)

Ion 43.05 (42.75 to 43.75): VV012024.D (-518) (-)

Ion 57.10 (56.80 to 57.80): VV012024.D (-518) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.364 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

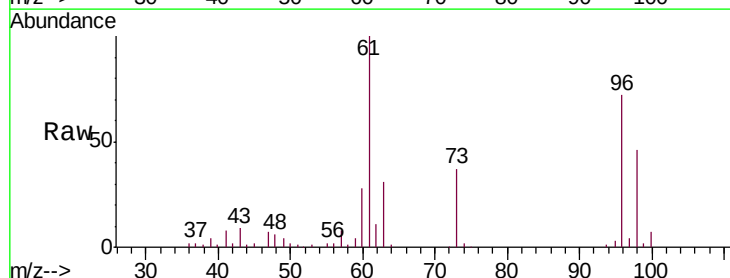
Tgt Ion: 96 Resp: 50065

Ion Ratio Lower Upper

96 100

61 139.6 95.4 177.2

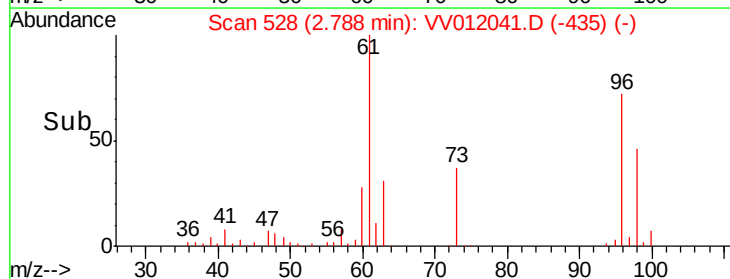
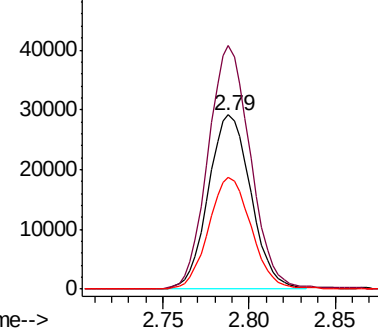
98 64.0 44.4 82.5

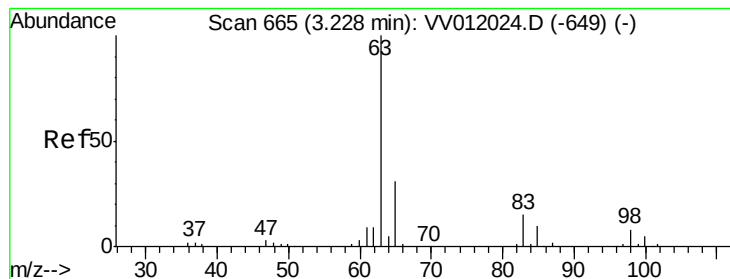


Abundance Ion 96.00 (95.70 to 96.70): VV012024.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV012024.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV012024.D (-515) (-)





#19

1,1-Dichloroethane

Concen: 5.558 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

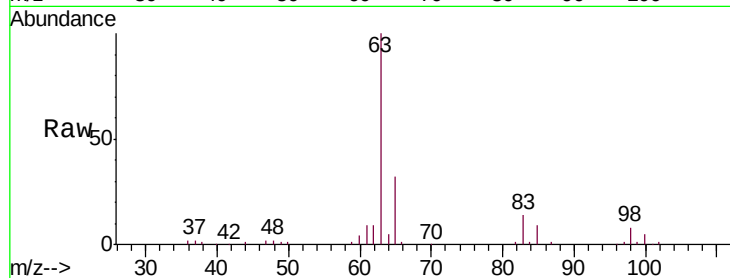
Tgt Ion: 63 Resp: 91624

Ion Ratio Lower Upper

63 100

65 32.5 23.5 43.7

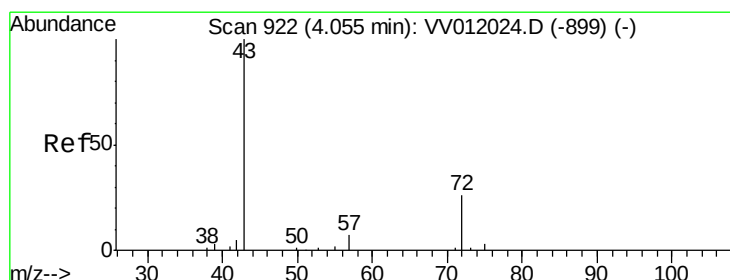
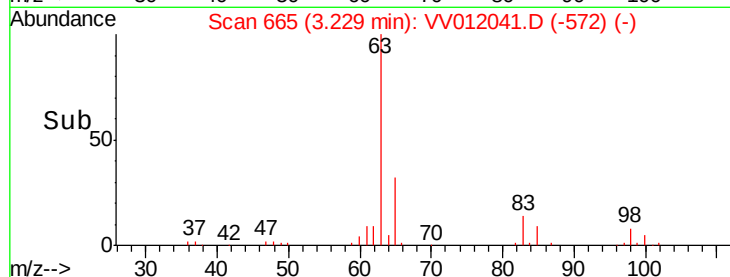
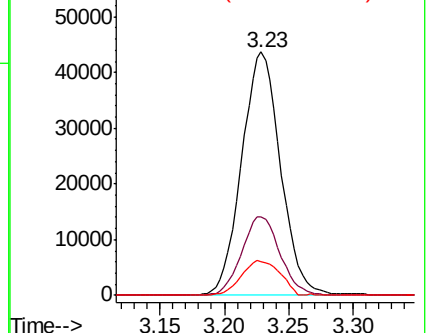
83 14.0 9.7 18.1



Abundance Ion 63.10 (62.80 to 63.80): VV012024.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV012024.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV012024.D (-649) (-)



#21

2-Butanone

Concen: 55.181 ug/L

RT: 4.05 min Scan# 920

Delta R.T. -0.01 min

Lab File: VV012041.D

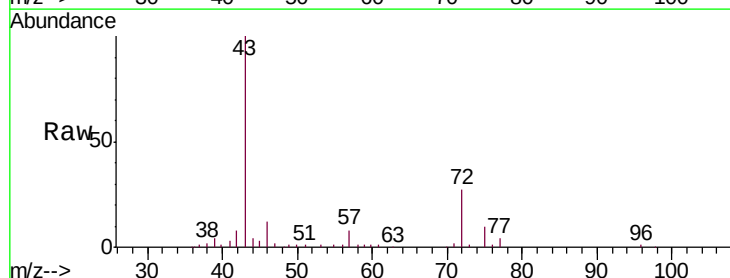
Acq: 26 Jul 2019 09:19

Tgt Ion: 43 Resp: 114150

Ion Ratio Lower Upper

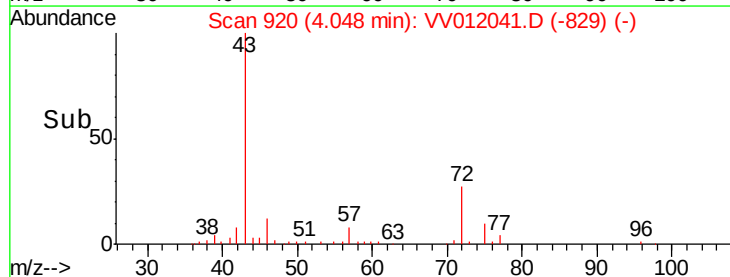
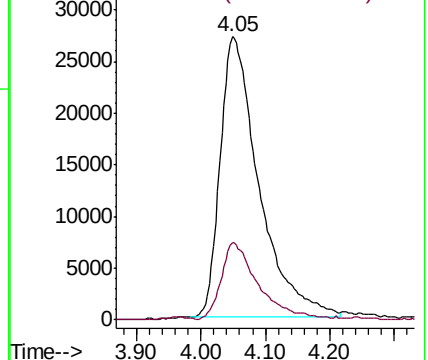
43 100

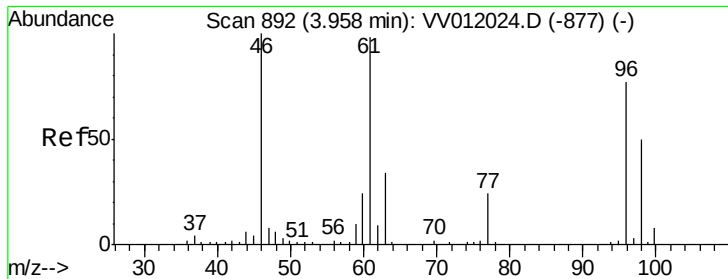
72 26.6 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VV012024.D (-899) (-)

Ion 72.10 (71.80 to 72.80): VV012024.D (-899) (-)



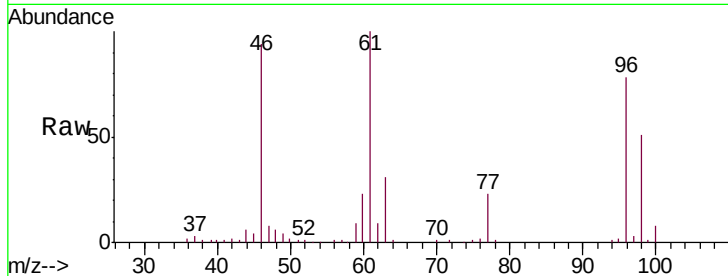


#22

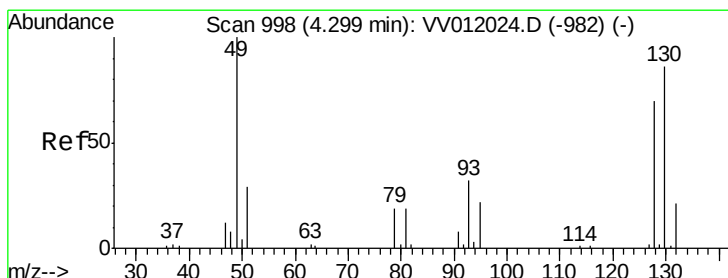
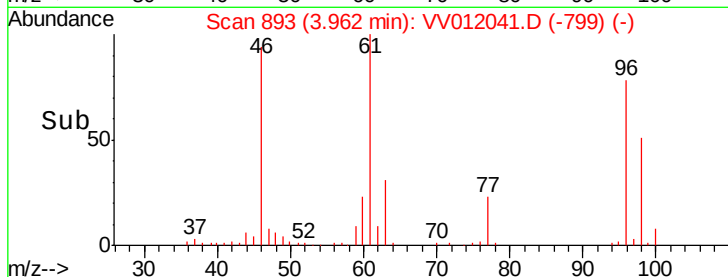
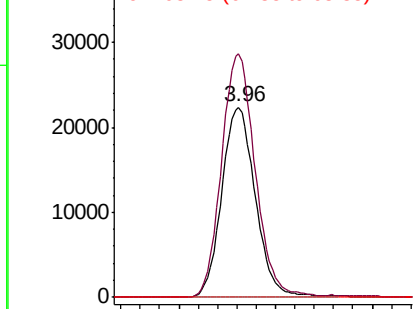
cis-1,2-Dichloroethene
Concen: 5.379 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012041.D
Acq: 26 Jul 2019 09:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion: 96 Resp: 53952
Ion Ratio Lower Upper
96 100
61 128.3 89.0 165.2
68 0.0 0.0 0.0



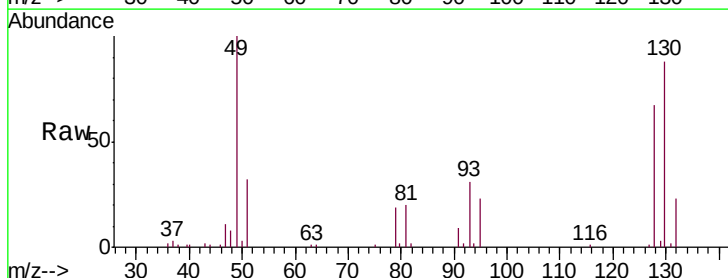
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



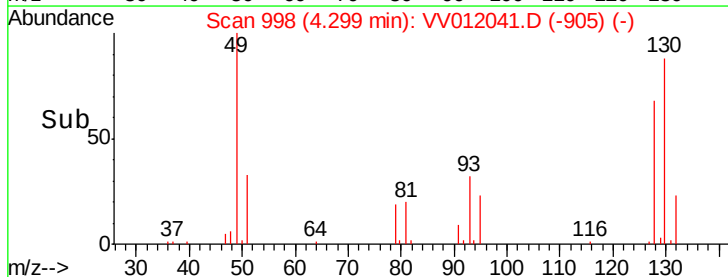
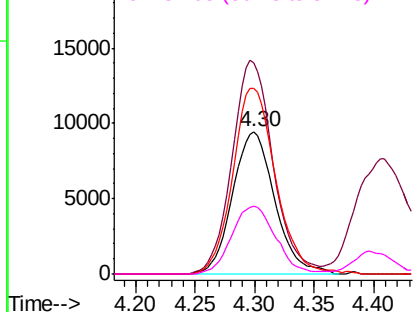
#23

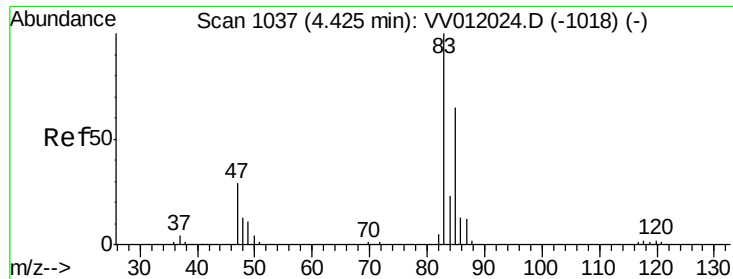
Bromochloromethane
Concen: 5.640 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV012041.D
Acq: 26 Jul 2019 09:19

Tgt Ion: 128 Resp: 23259
Ion Ratio Lower Upper
128 100
49 148.9 105.5 195.9
130 130.4 88.4 164.2
51 48.2 37.4 56.2



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

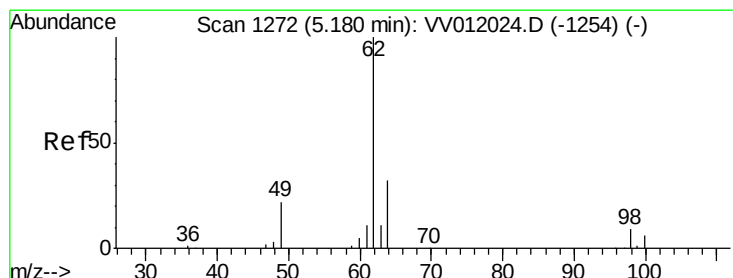
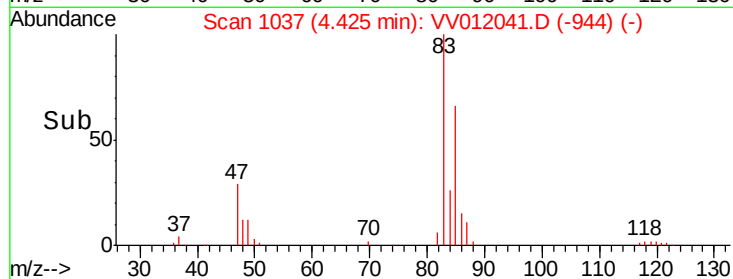
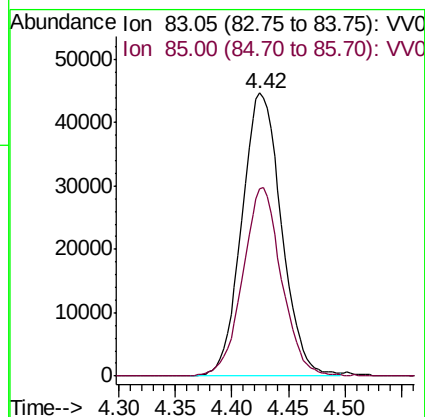
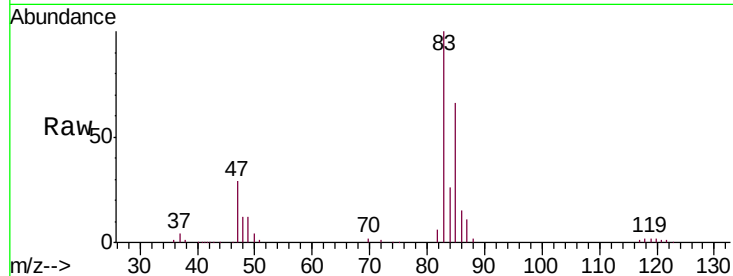




#25
 Chloroform
 Concen: 5.484 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

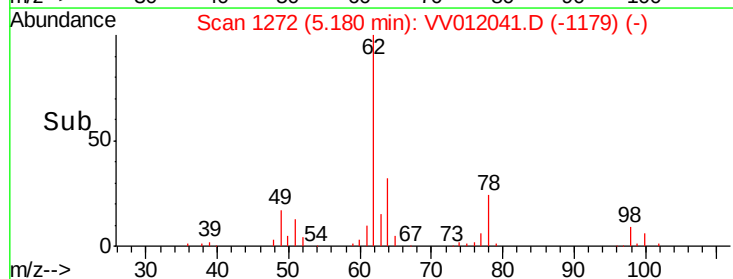
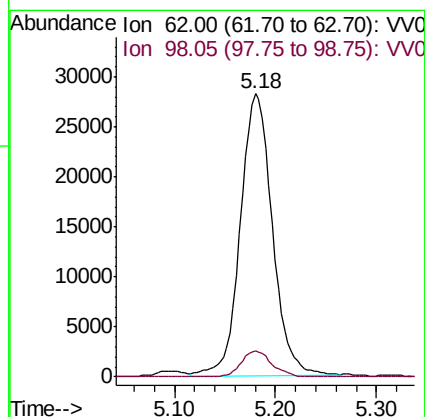
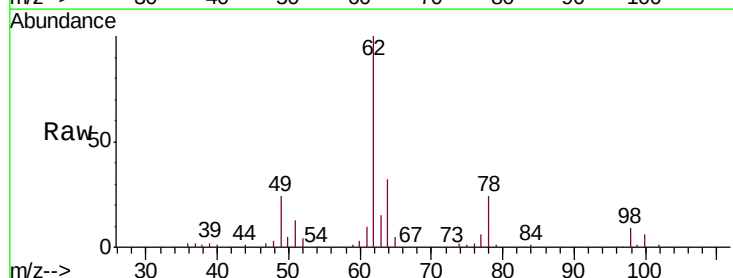
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

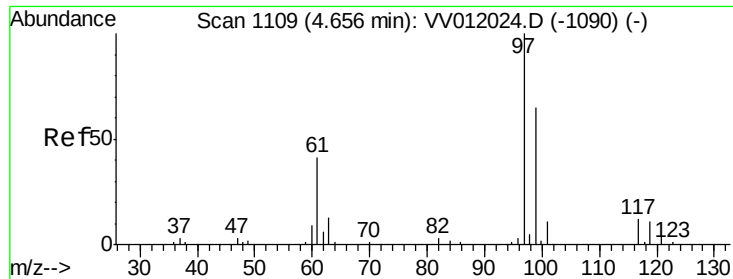
Tgt Ion: 83 Resp: 109179
 Ion Ratio Lower Upper
 83 100
 85 66.3 46.5 86.3



#27
 1,2-Dichloroethane
 Concen: 5.584 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

Tgt Ion: 62 Resp: 61812
 Ion Ratio Lower Upper
 62 100
 98 9.0 7.0 10.6

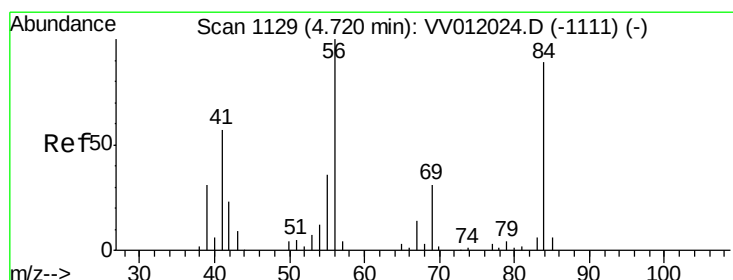
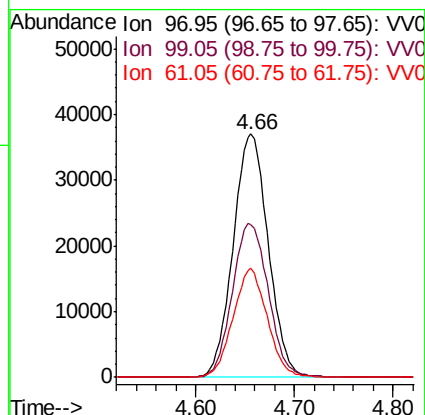
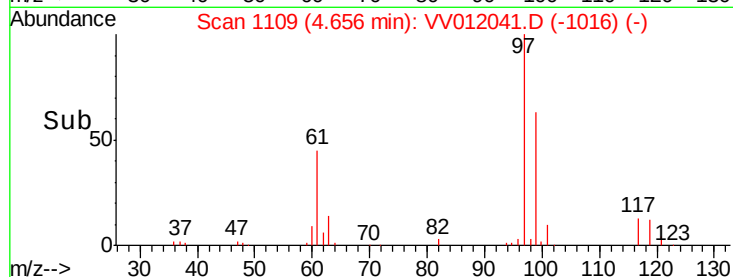
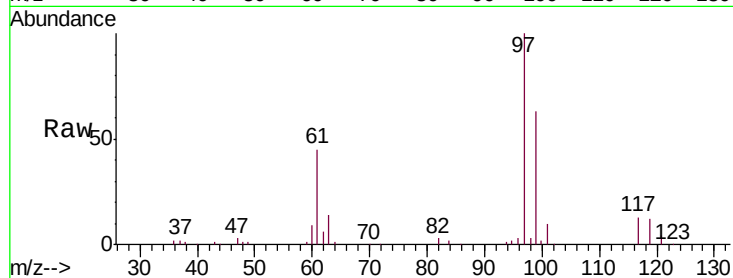




#29
 1,1,1-Trichloroethane
 Concen: 5.729 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

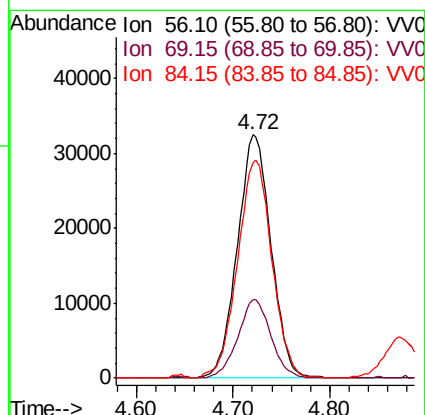
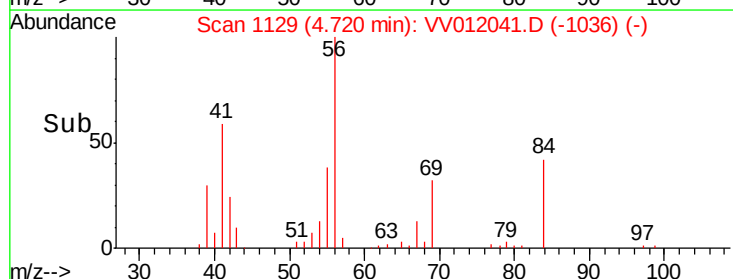
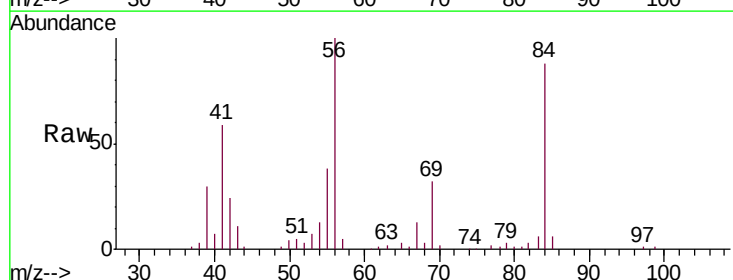
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

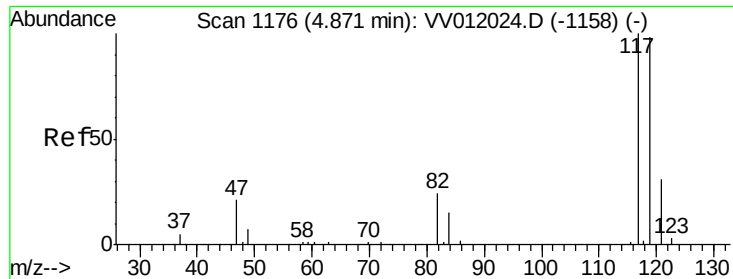
Tgt Ion: 97 Resp: 91758
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.7 77.5
 61 43.6 35.1 52.7



#30
 Cyclohexane
 Concen: 5.210 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

Tgt Ion: 56 Resp: 78833
 Ion Ratio Lower Upper
 56 100
 69 31.5 25.4 38.2
 84 91.3 73.4 110.0

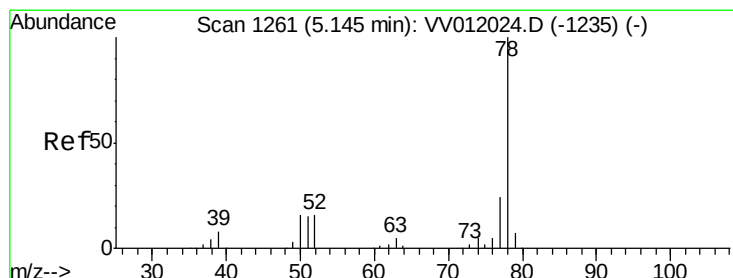
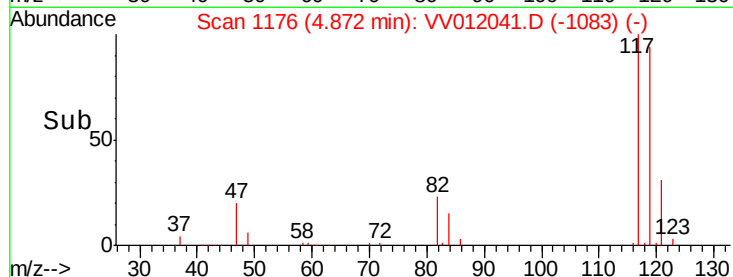
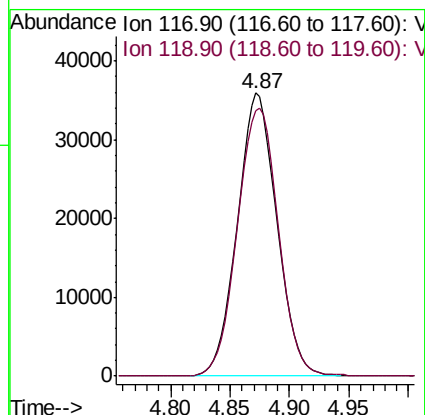
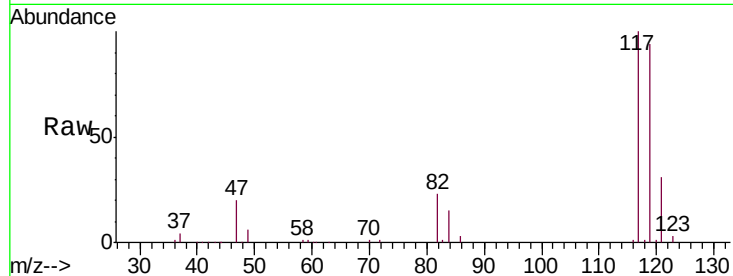




#31
Carbon tetrachloride
Concen: 5.724 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV012041.D
Acq: 26 Jul 2019 09:19

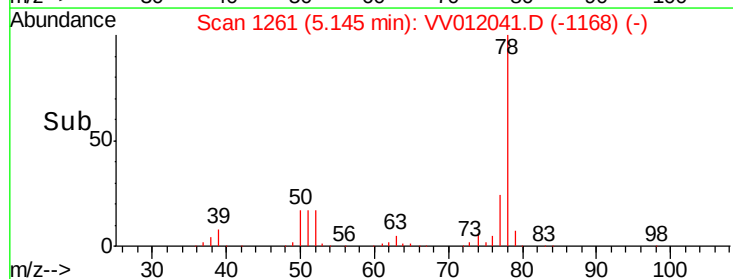
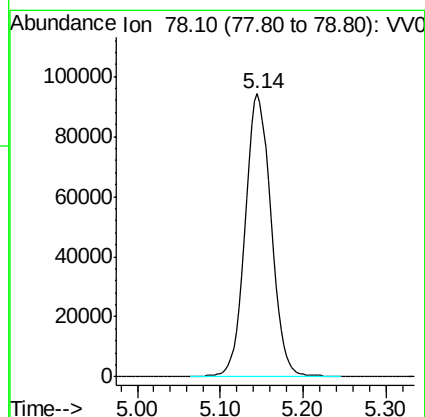
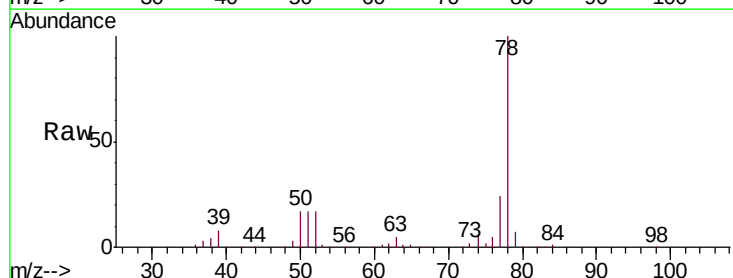
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

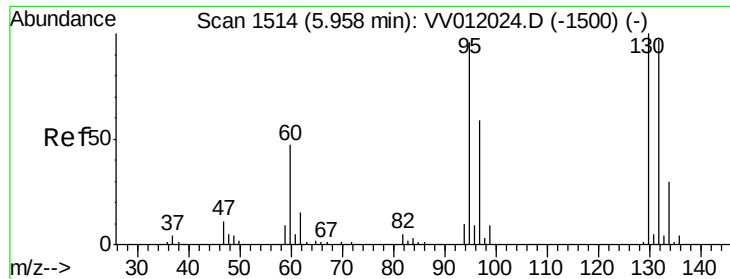
Tgt Ion:117 Resp: 82540
Ion Ratio Lower Upper
117 100
119 98.5 76.4 114.6



#33
Benzene
Concen: 5.581 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012041.D
Acq: 26 Jul 2019 09:19

Tgt Ion: 78 Resp: 205459





#34

Trichloroethene

Concen: 5.503 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

Tgt Ion: 95 Resp: 56257

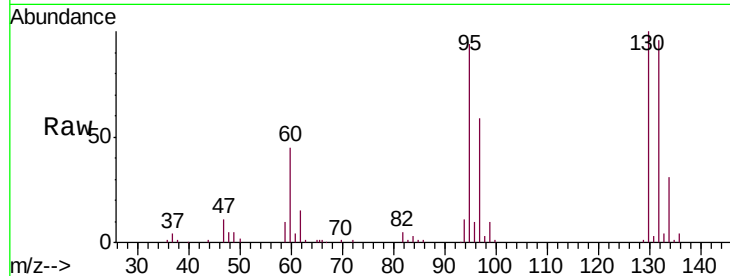
Ion Ratio Lower Upper

95 100

97 63.6 45.6 84.6

132 103.0 71.3 132.3

130 106.9 72.8 135.2

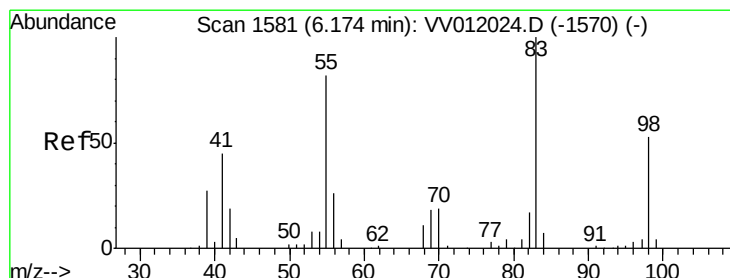
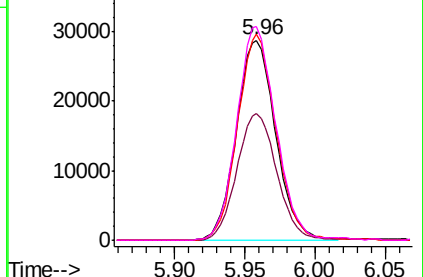
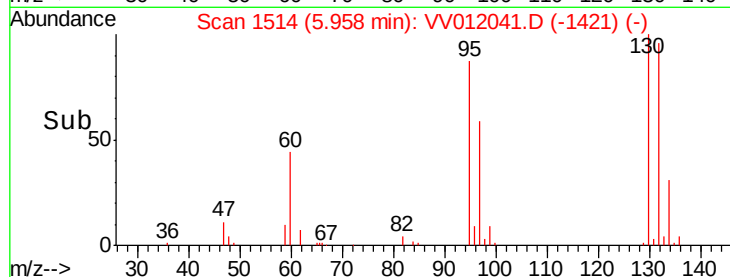


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.610 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

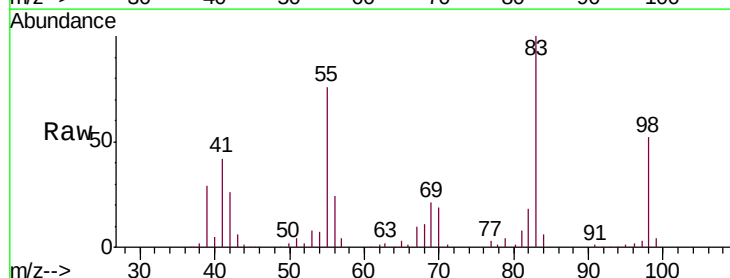
Tgt Ion: 83 Resp: 89261

Ion Ratio Lower Upper

83 100

55 76.0 63.0 94.4

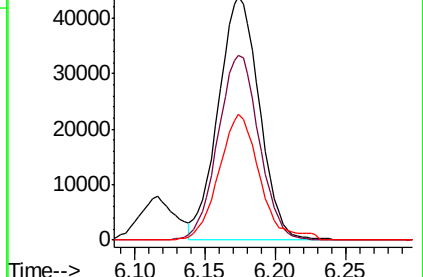
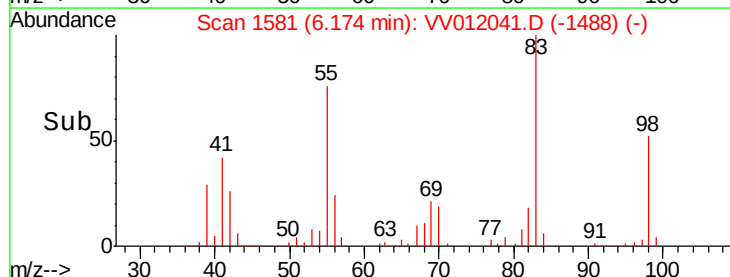
98 51.3 41.4 62.0

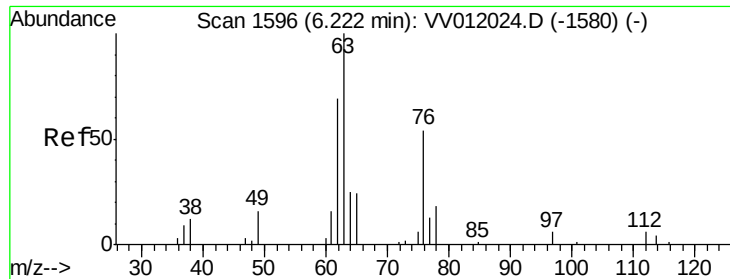


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

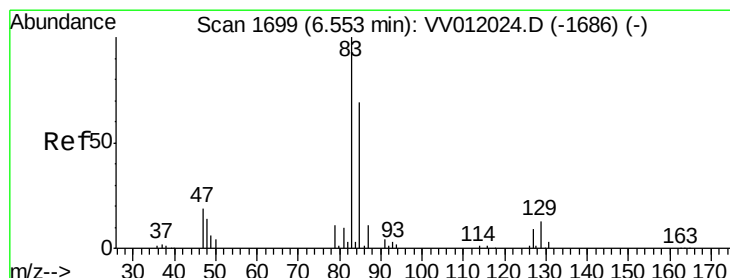
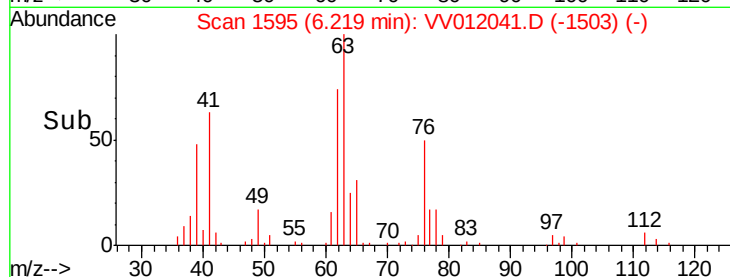
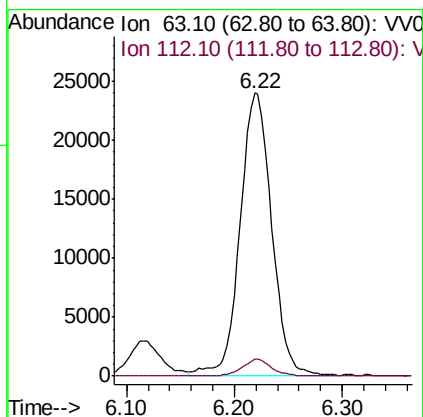
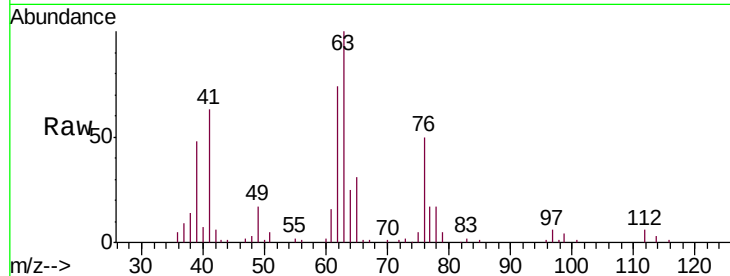




#37
 1,2-Dichloropropane
 Concen: 5.560 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

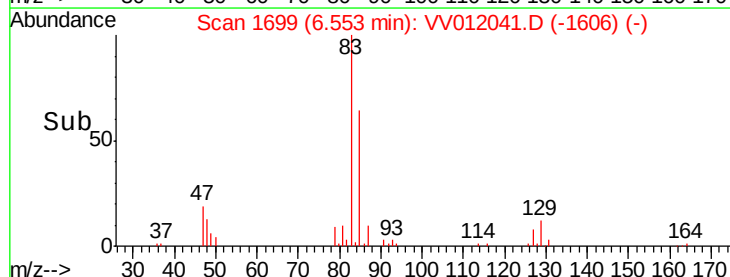
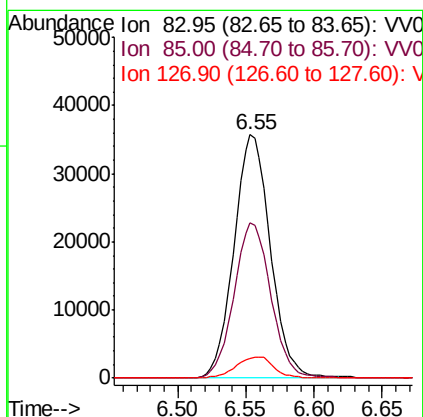
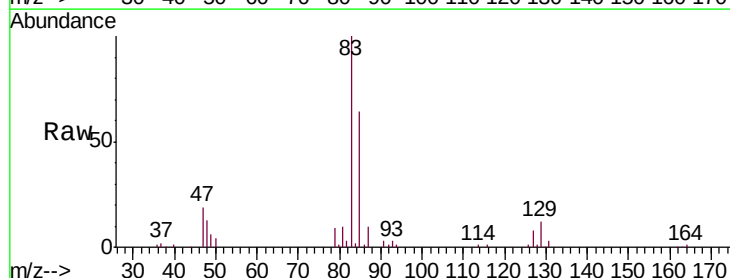
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

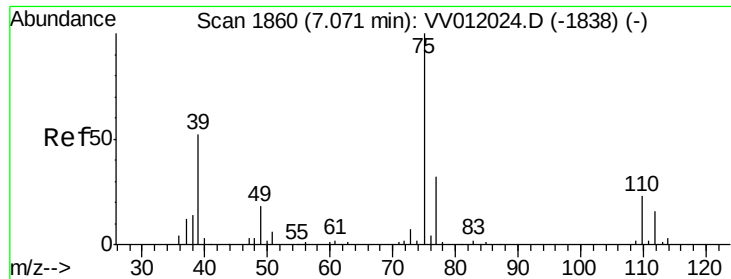
Tgt Ion: 63 Resp: 49206
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.2 6.4



#38
 Bromodichloromethane
 Concen: 5.603 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

Tgt Ion: 83 Resp: 66247
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.4 82.4
 127 7.9 7.9 11.9#

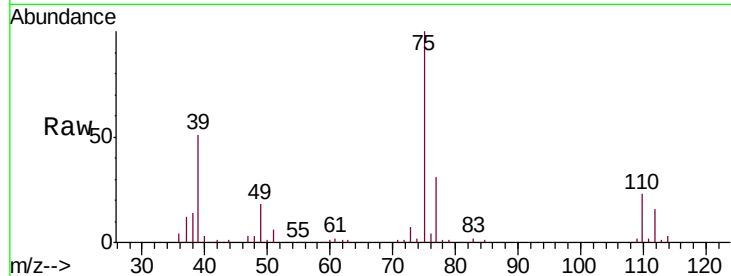




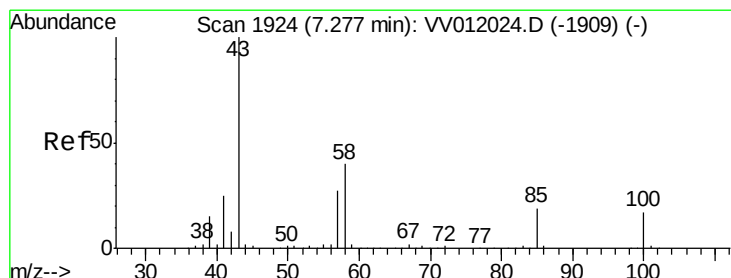
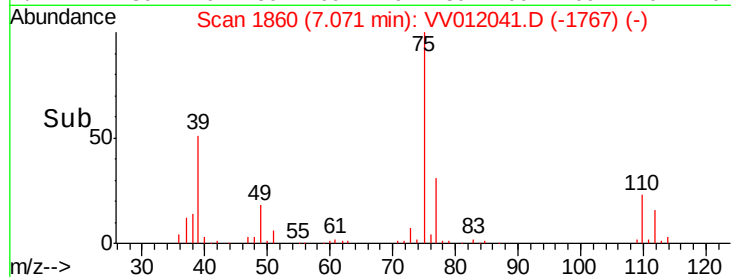
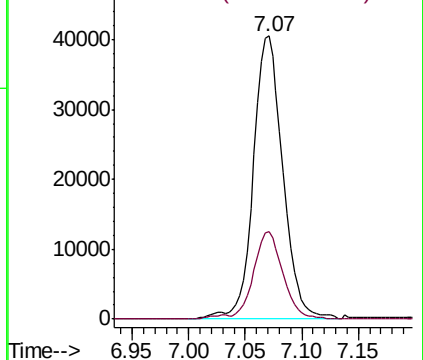
#39
 cis-1,3-Dichloropropene
 Concen: 5.604 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tgt Ion: 75 Resp: 73509
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.3 39.6

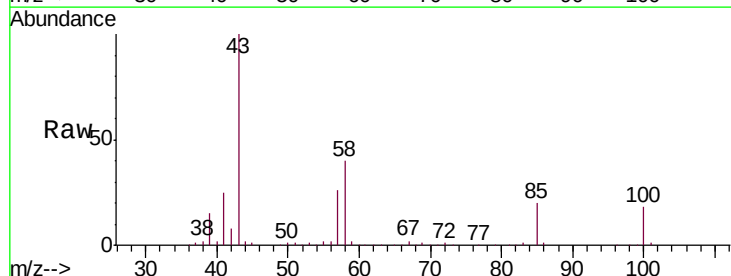


Abundance Ion 75.05 (74.75 to 75.75): VV012024.D (-1838) (-)
 Ion 77.05 (76.75 to 77.75): VV012024.D (-1838) (-)

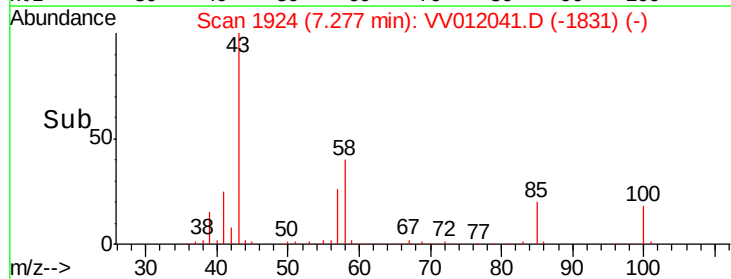
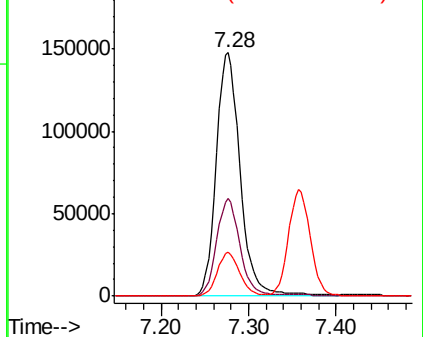


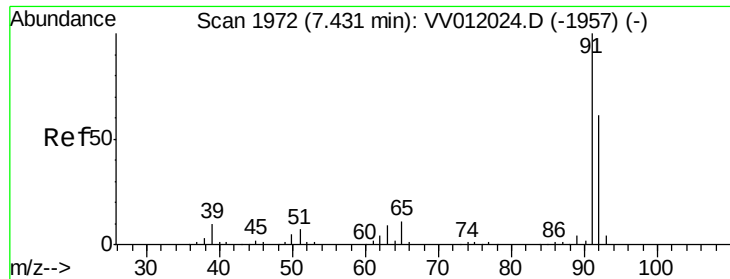
#40
 4-Methyl-2-pentanone
 Concen: 56.925 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

Tgt Ion: 43 Resp: 281474
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.2 46.8
 100 16.9 13.5 20.3



Abundance Ion 43.05 (42.75 to 43.75): VV012024.D (-1909) (-)
 Ion 58.05 (57.75 to 58.75): VV012024.D (-1909) (-)
 Ion 100.15 (99.85 to 100.85): VV012024.D (-1909) (-)





#42

Toluene

Concen: 5.771 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

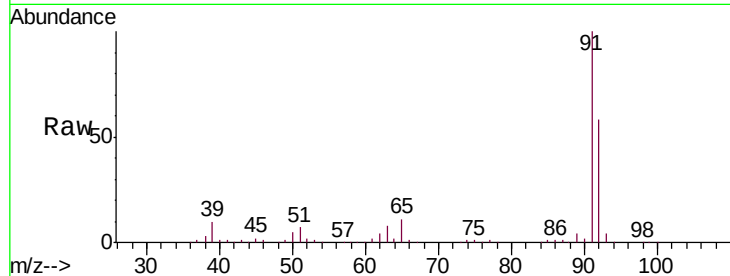
VSTD00551

Tgt Ion: 91 Resp: 228009

Ion Ratio Lower Upper

91 100

92 58.1 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV012024.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012024.D (-1957) (-)

7.43

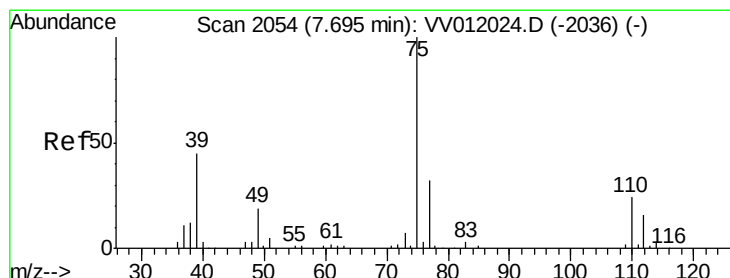
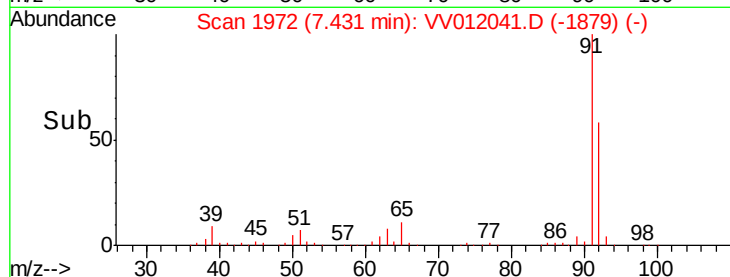
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.695 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012041.D

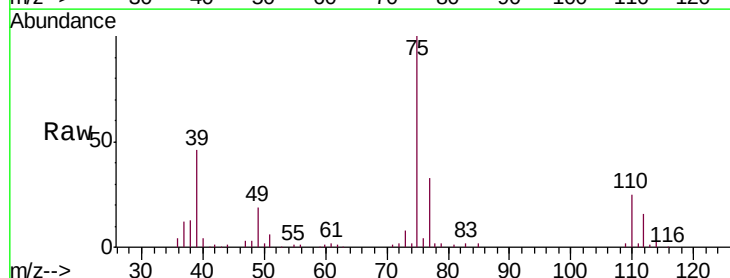
Acq: 26 Jul 2019 09:19

Tgt Ion: 75 Resp: 59413

Ion Ratio Lower Upper

75 100

77 33.1 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV012024.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV012024.D (-2036) (-)

7.69

40000

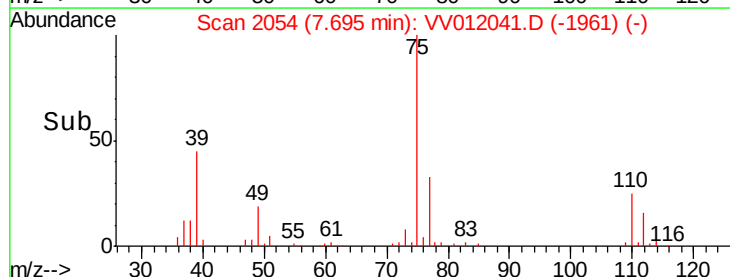
30000

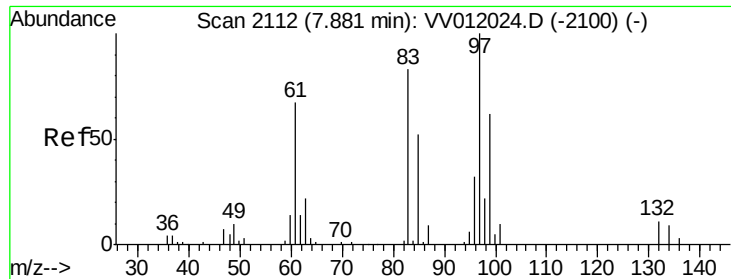
20000

10000

0

Time-->

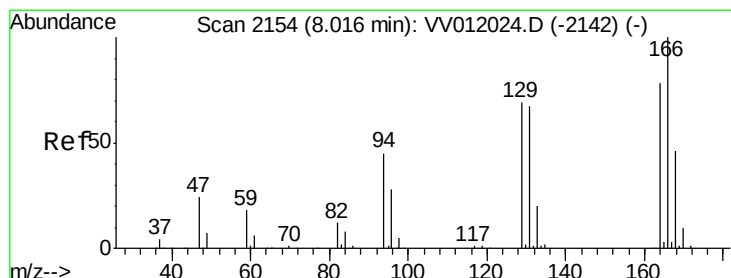
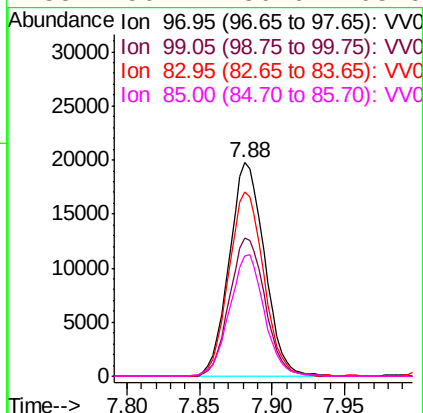
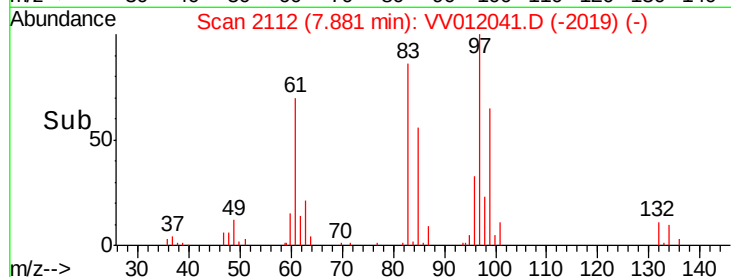
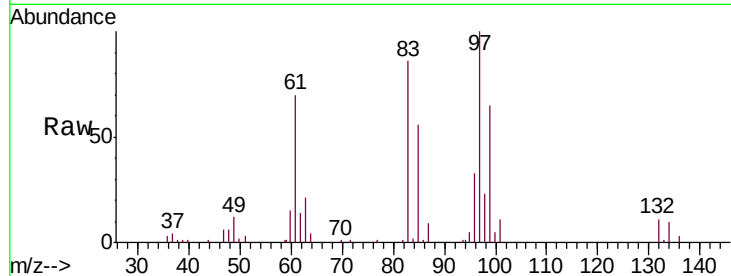




#45
 1,1,2-Trichloroethane
 Concen: 5.488 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

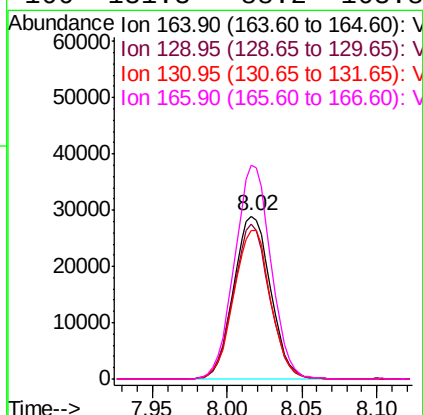
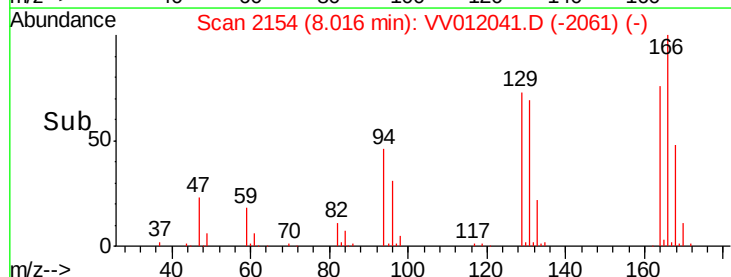
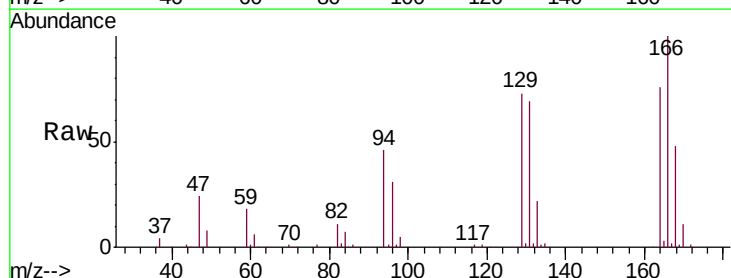
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

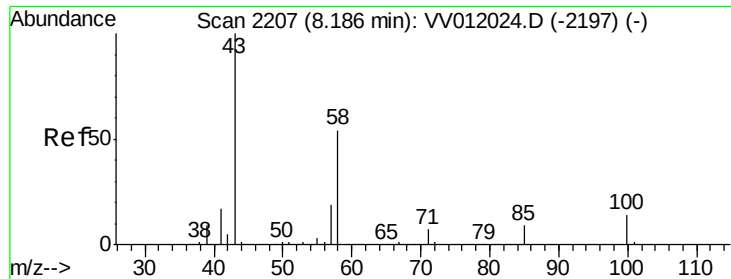
Tgt Ion:	97	Resp:	33541
Ion	Ratio	Lower	Upper
97	100		
99	64.5	44.0	81.8
83	86.1	59.5	110.5
85	56.4	36.6	68.0



#47
 Tetrachloroethene
 Concen: 5.650 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

Tgt Ion:	164	Resp:	49840
Ion	Ratio	Lower	Upper
164	100		
129	95.4	62.5	116.1
131	91.3	58.6	108.8
166	131.3	88.2	163.8

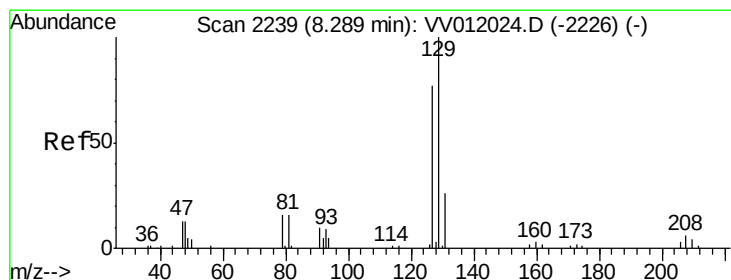
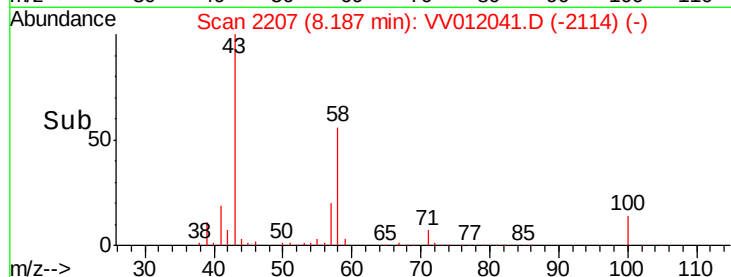
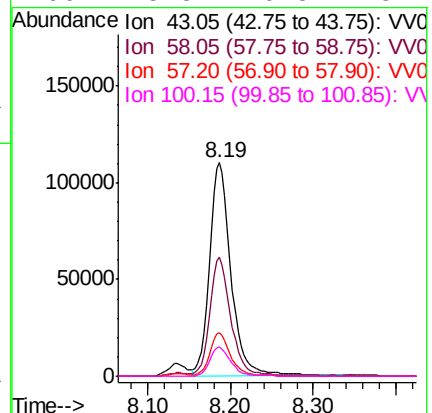
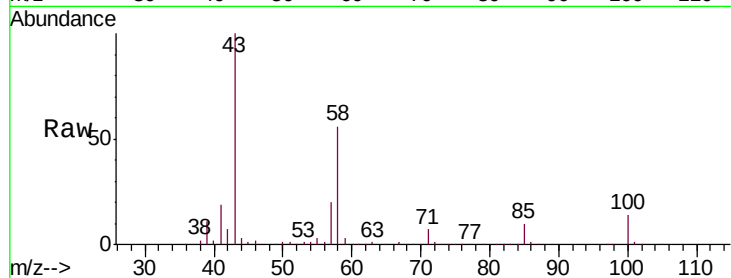




#48
2-Hexanone
Concen: 57.922 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012041.D
Acq: 26 Jul 2019 09:19

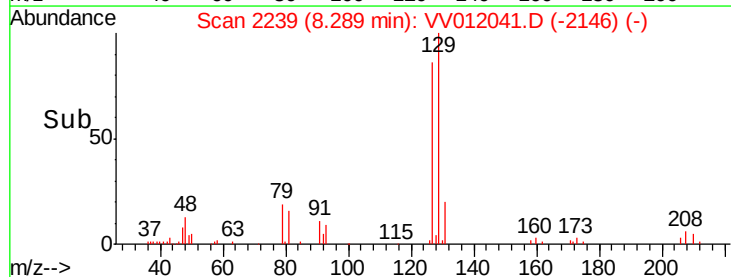
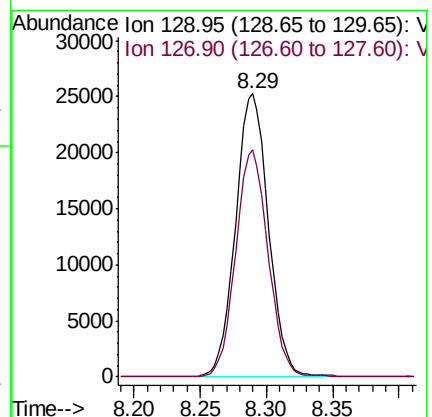
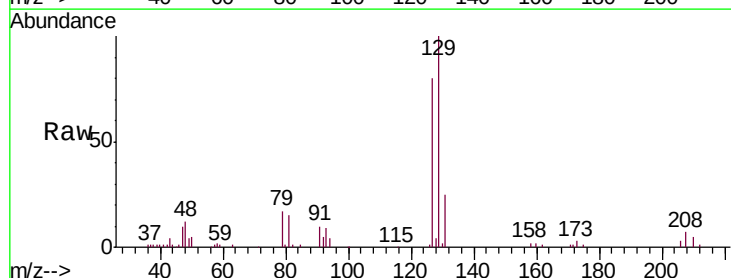
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

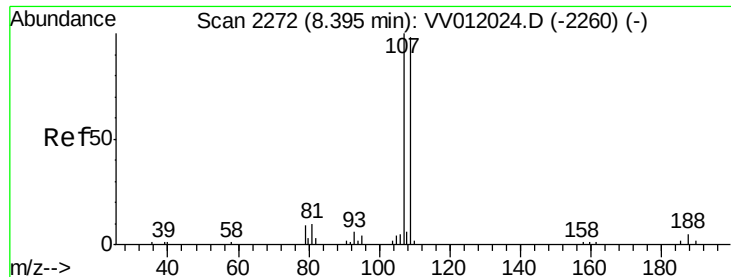
Tgt Ion: 43 Resp: 200912
Ion Ratio Lower Upper
43 100
58 54.5 43.7 65.5
57 19.3 16.0 24.0
100 13.3 10.5 15.7



#49
Dibromochloromethane
Concen: 5.820 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012041.D
Acq: 26 Jul 2019 09:19

Tgt Ion: 129 Resp: 43556
Ion Ratio Lower Upper
129 100
127 80.3 55.3 102.7

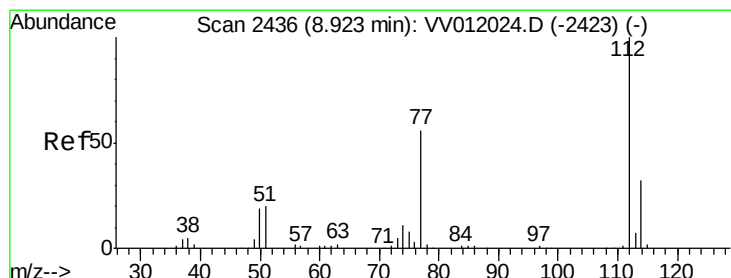
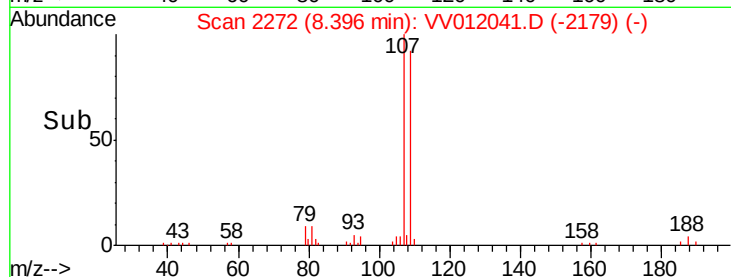
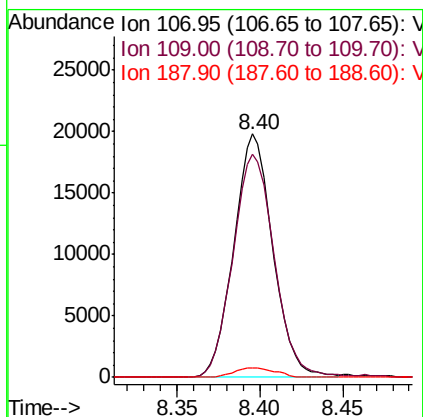
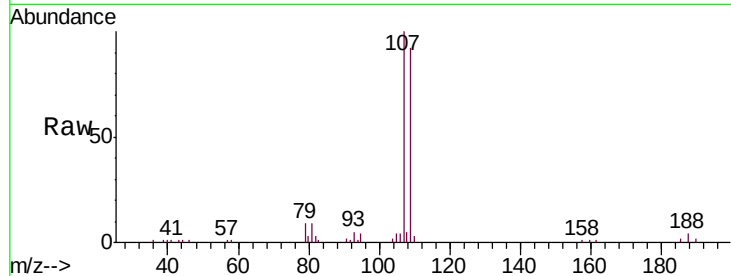




#50
1,2-Dibromoethane
Concen: 5.631 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012041.D
Acq: 26 Jul 2019 09:19

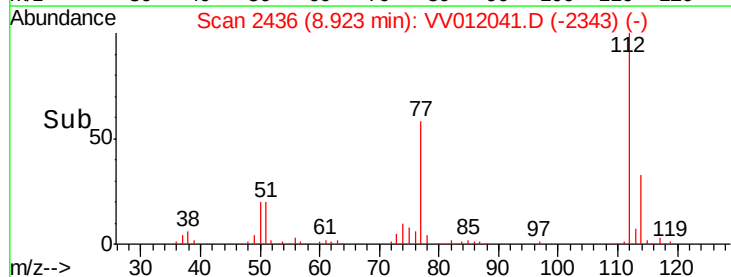
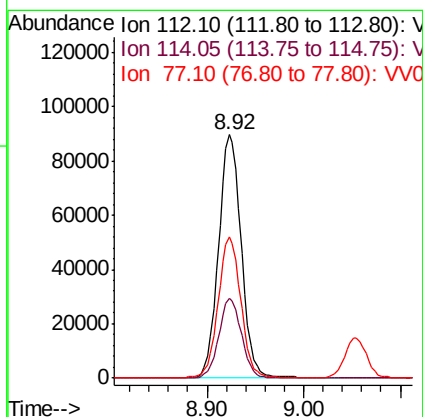
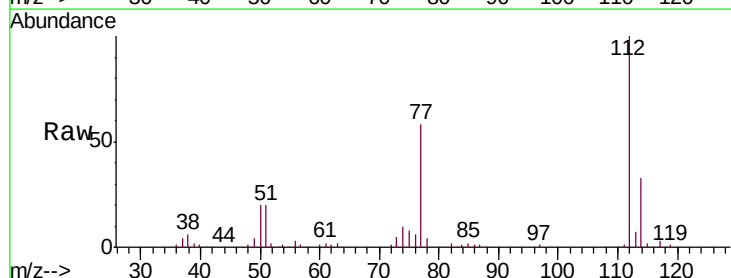
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

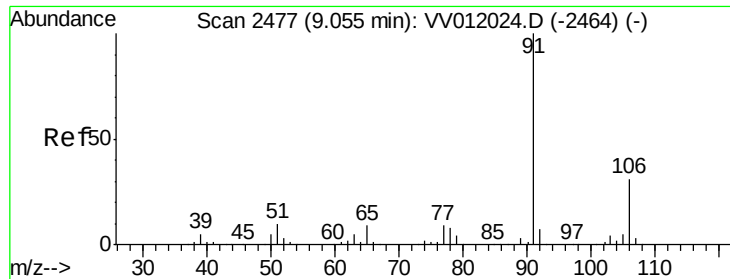
Tgt Ion:107 Resp: 32496
Ion Ratio Lower Upper
107 100
109 91.6 68.1 126.5
188 4.0 3.5 5.3



#51
Chlorobenzene
Concen: 5.655 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012041.D
Acq: 26 Jul 2019 09:19

Tgt Ion:112 Resp: 146302
Ion Ratio Lower Upper
112 100
114 32.6 23.0 42.8
77 57.9 46.4 69.6

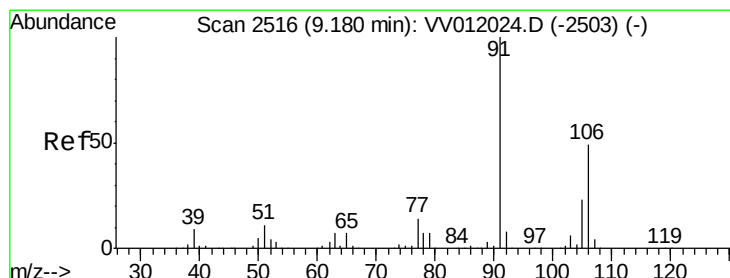
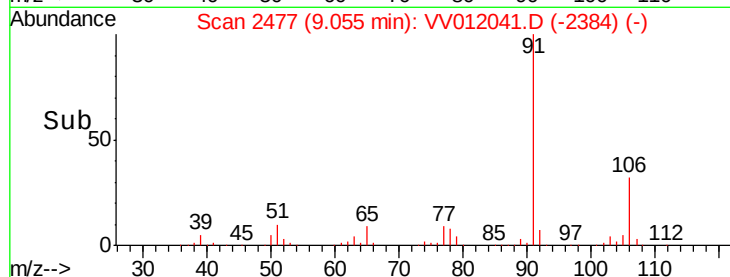
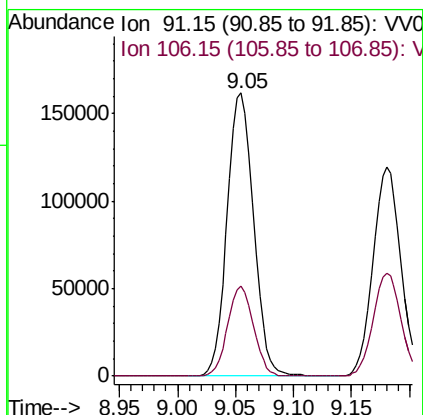
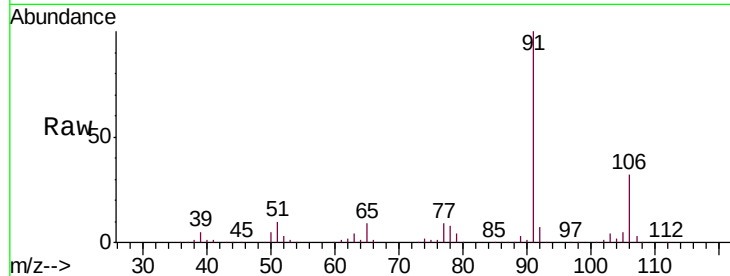




#52
Ethylbenzene
Concen: 5.706 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012041.D
Acq: 26 Jul 2019 09:19

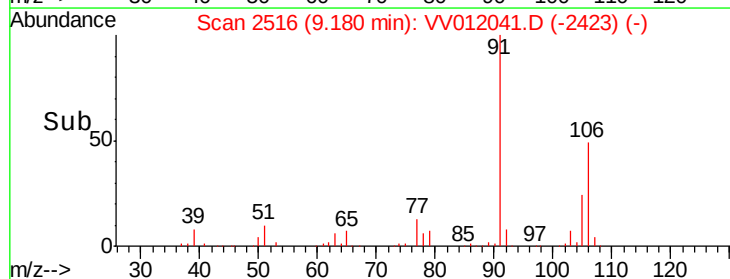
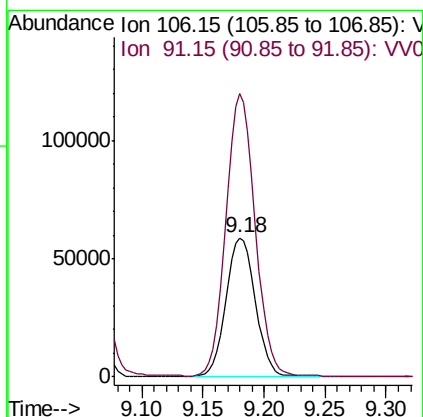
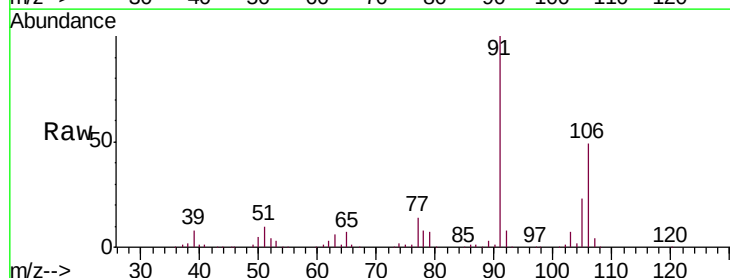
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

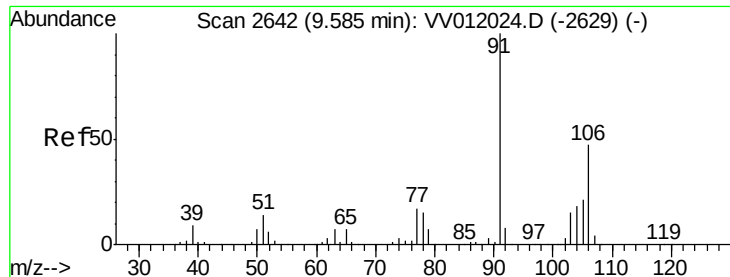
Tgt Ion: 91 Resp: 257350
Ion Ratio Lower Upper
91 100
106 31.6 21.6 40.0



#53
m,p-xylene
Concen: 5.775 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012041.D
Acq: 26 Jul 2019 09:19

Tgt Ion: 106 Resp: 99143
Ion Ratio Lower Upper
106 100
91 203.3 142.7 265.1





#54

o-xylene

Concen: 5.659 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

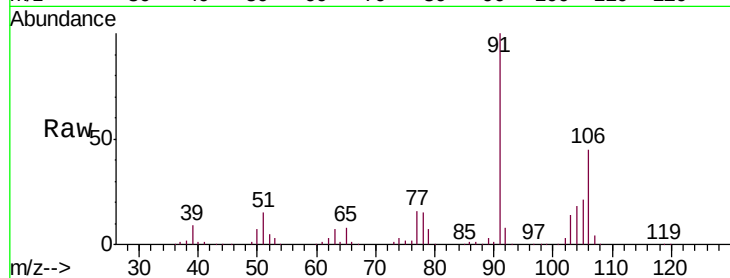
VSTD00551

Tgt Ion:106 Resp: 92113

Ion Ratio Lower Upper

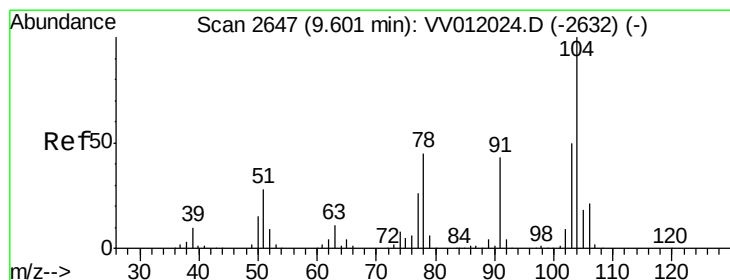
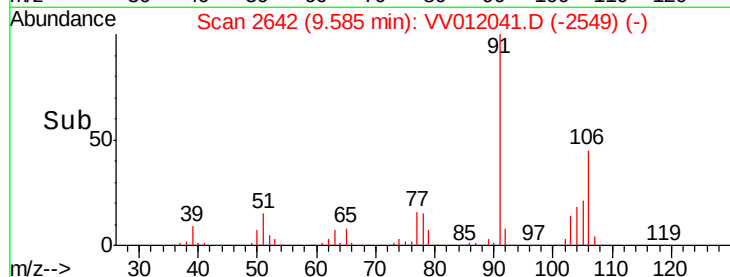
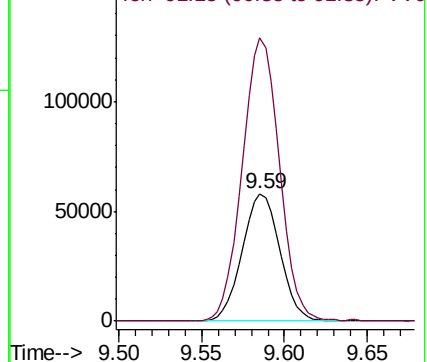
106 100

91 221.5 151.0 280.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.812 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012041.D

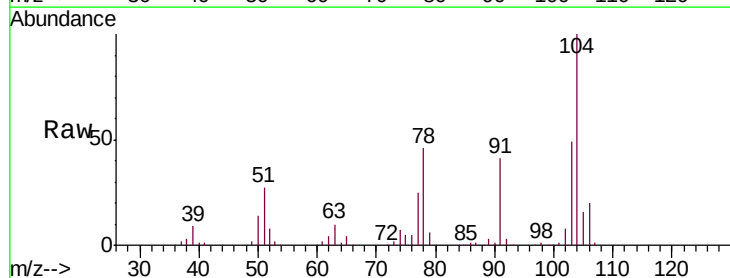
Acq: 26 Jul 2019 09:19

Tgt Ion:104 Resp: 159423

Ion Ratio Lower Upper

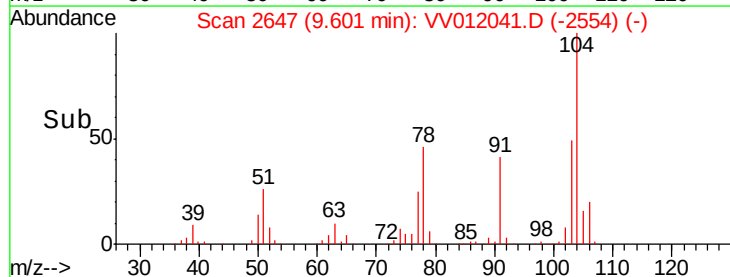
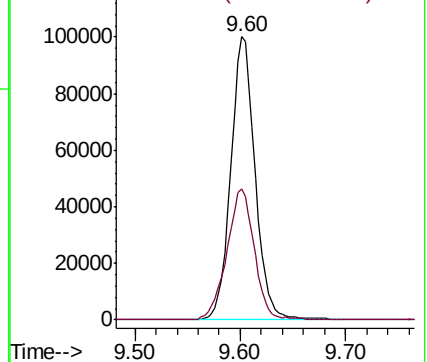
104 100

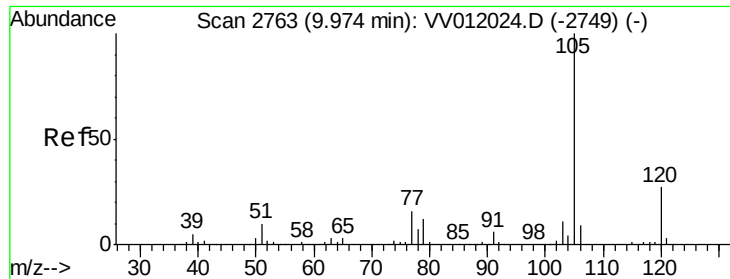
78 46.4 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.657 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

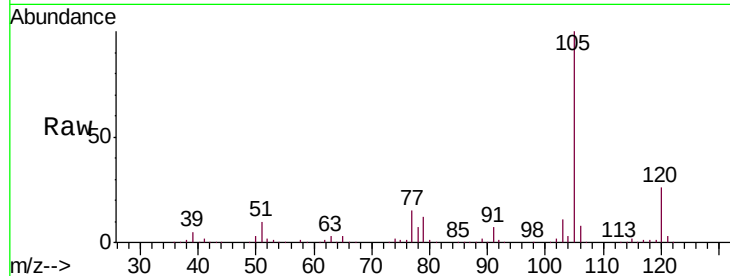
Tgt Ion: 105 Resp: 257162

Ion Ratio Lower Upper

105 100

120 26.3 20.8 31.2

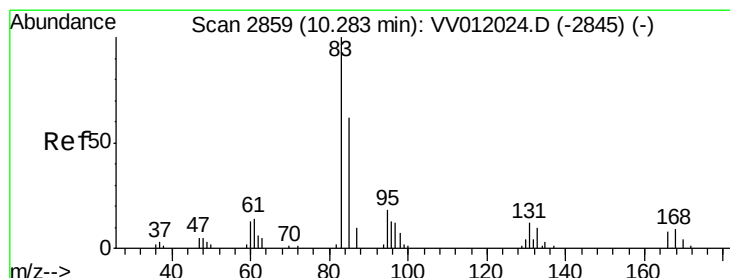
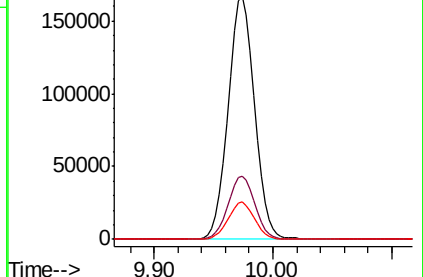
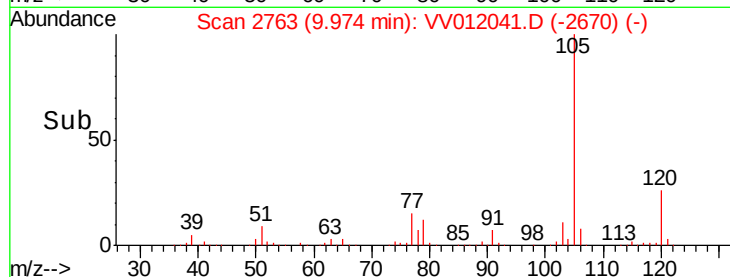
77 15.4 12.6 19.0



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: 5.719 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

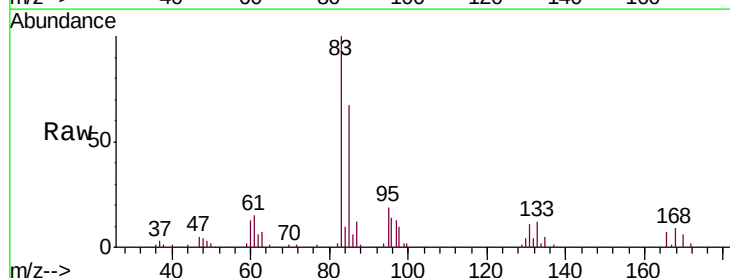
Tgt Ion: 83 Resp: 37888

Ion Ratio Lower Upper

83 100

85 66.7 46.3 85.9

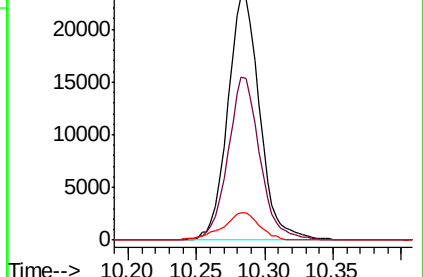
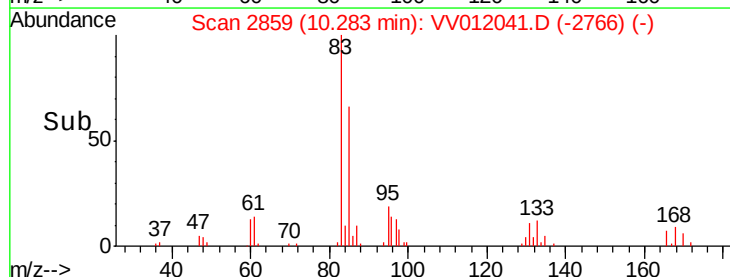
131 11.4 8.9 13.3

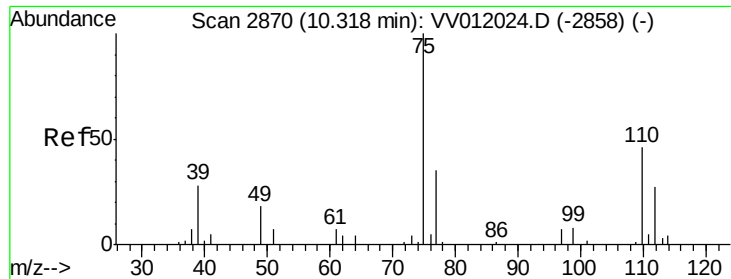


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.635 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampled :

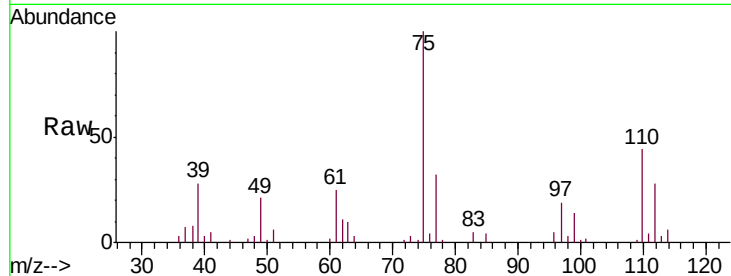
VSTD00551

Tgt Ion: 75 Resp: 29088

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV012024.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV012024.D (-2858) (-)

10.32

20000

15000

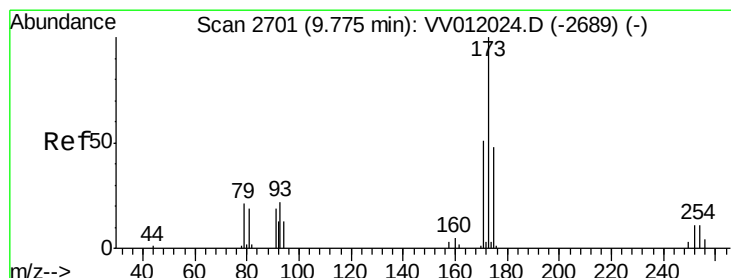
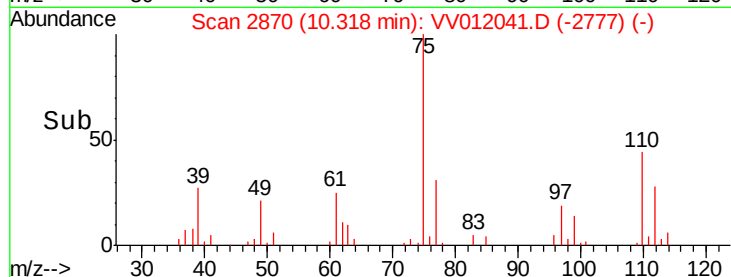
10000

5000

0

10.25 10.30 10.35 10.40

Time-->



#61

Bromoform

Concen: 5.816 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

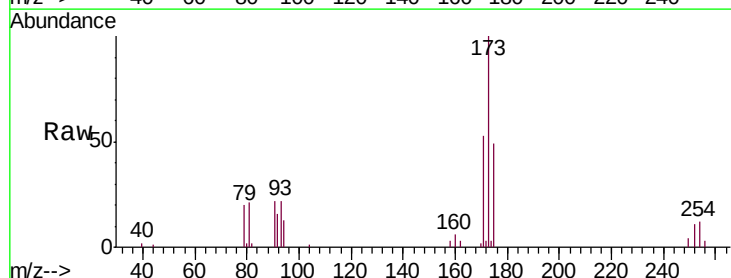
Tgt Ion: 173 Resp: 23518

Ion Ratio Lower Upper

173 100

175 49.2 39.6 59.4

254 10.4 7.9 11.9



Abundance Ion 172.90 (172.60 to 173.60): VV012024.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV012024.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV012024.D (-2689) (-)

9.77

20000

15000

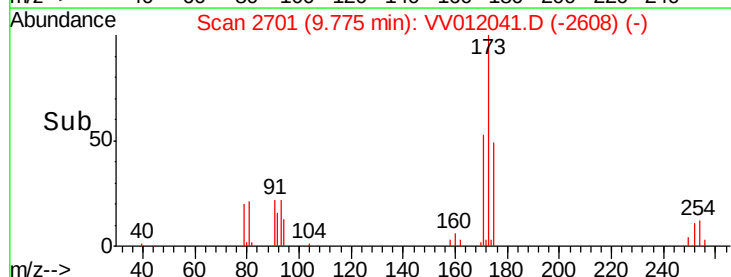
10000

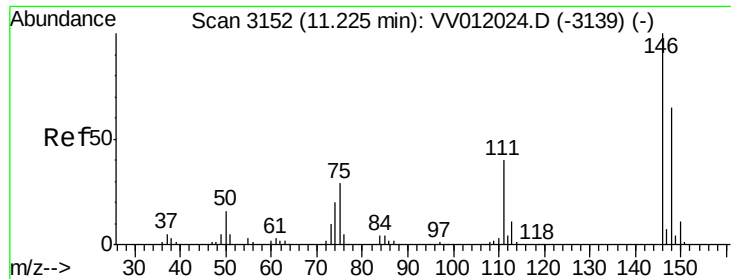
5000

0

9.70 9.75 9.80 9.85

Time-->

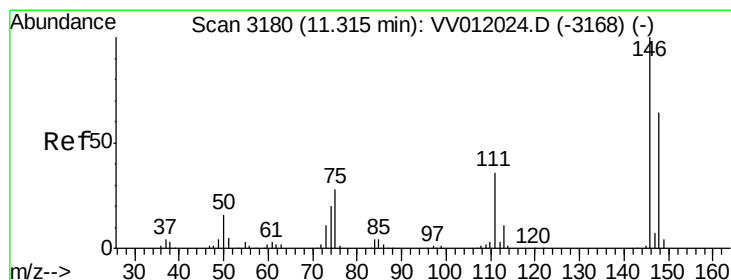
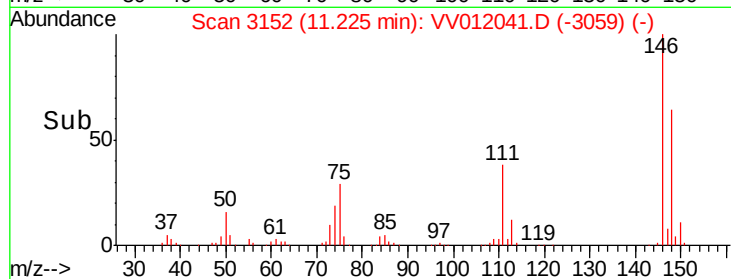
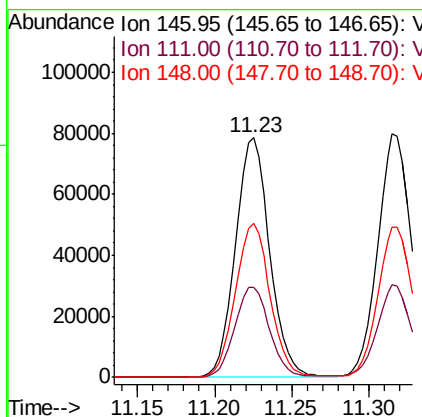
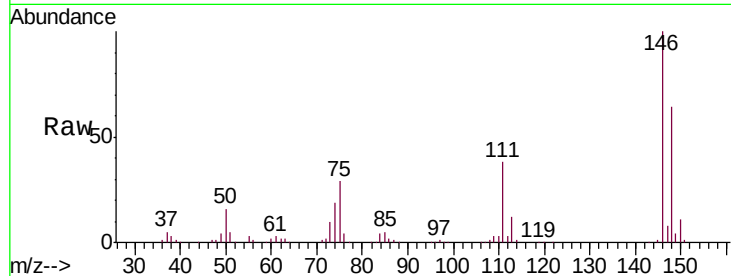




#62
 1,3-Dichlorobenzene
 Concen: 5.611 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

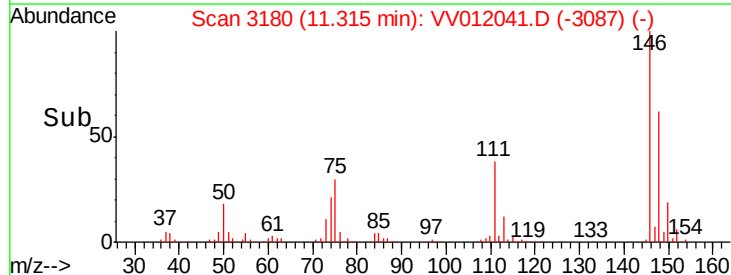
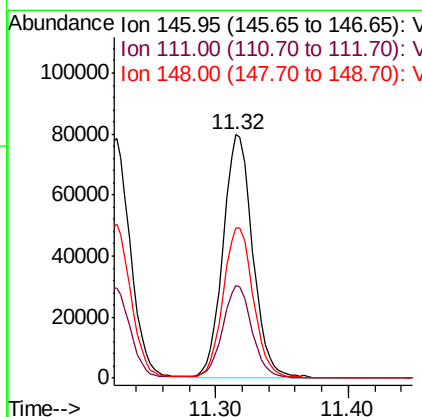
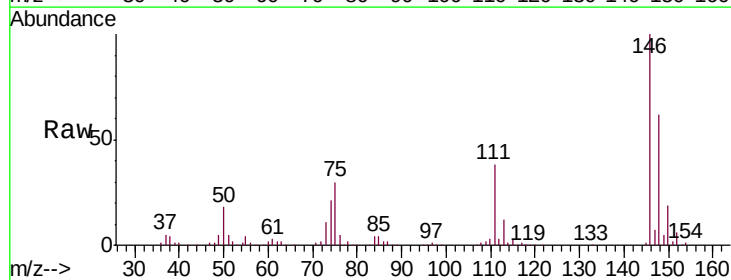
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

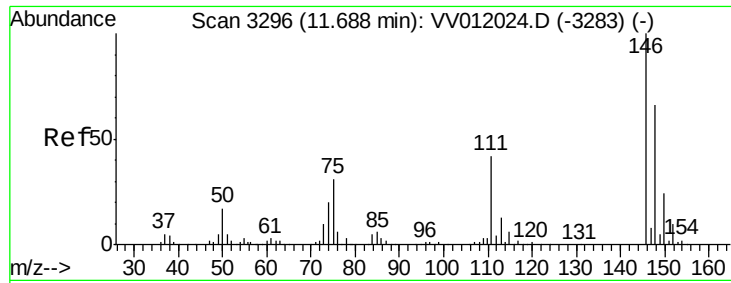
Tgt Ion:146 Resp: 120903
 Ion Ratio Lower Upper
 146 100
 111 37.8 27.1 50.3
 148 64.2 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.581 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

Tgt Ion:146 Resp: 123800
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.0 48.2
 148 61.7 43.0 80.0





#65

1,2-Dichlorobenzene

Concen: 5.691 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

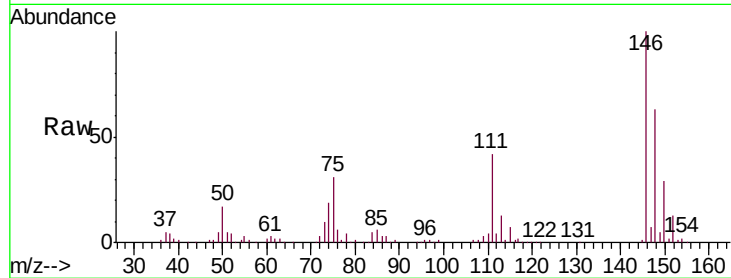
Tgt Ion:146 Resp: 112904

Ion Ratio Lower Upper

146 100

111 41.9 32.5 48.7

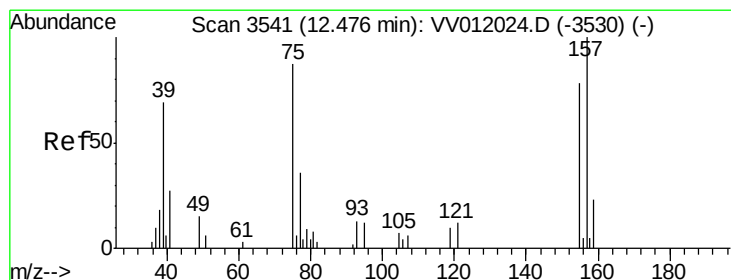
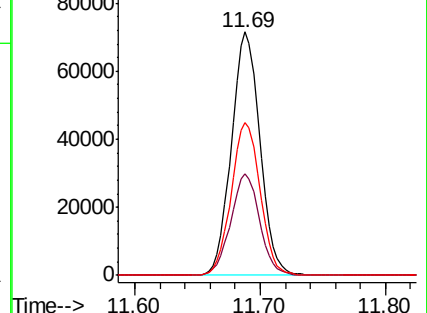
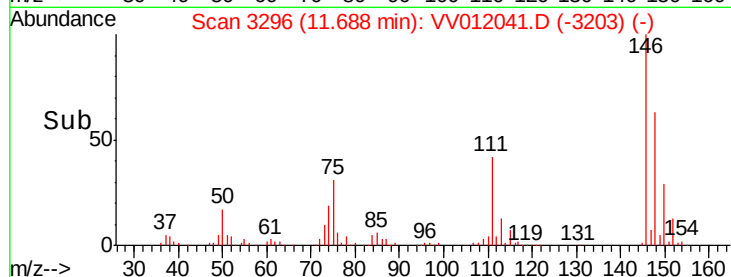
148 62.7 51.4 77.0



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: 5.379 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

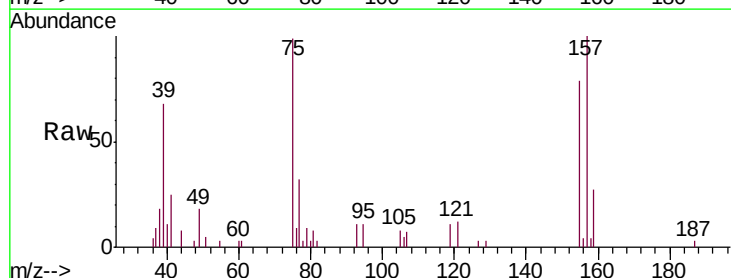
Tgt Ion: 75 Resp: 6199

Ion Ratio Lower Upper

75 100

155 80.0 69.5 104.3

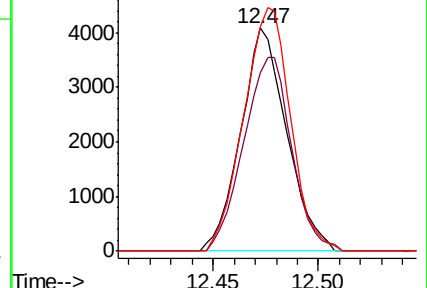
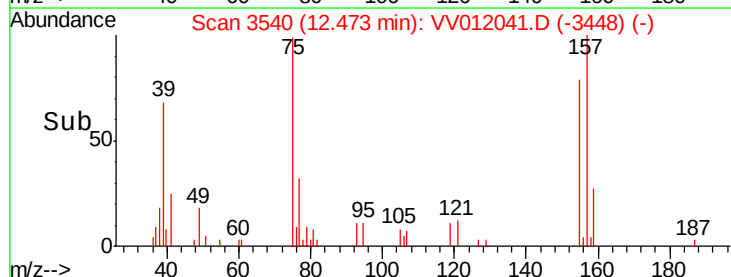
157 100.9 96.2 144.2

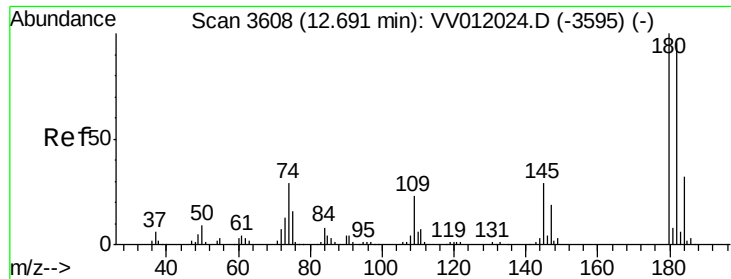


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

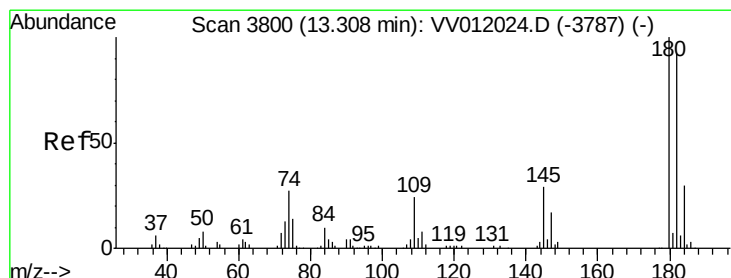
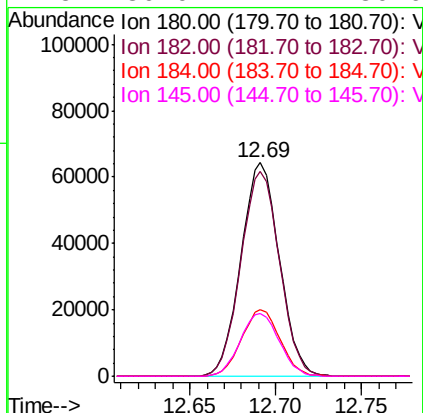
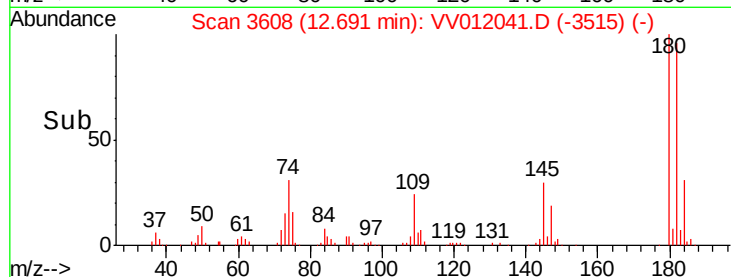
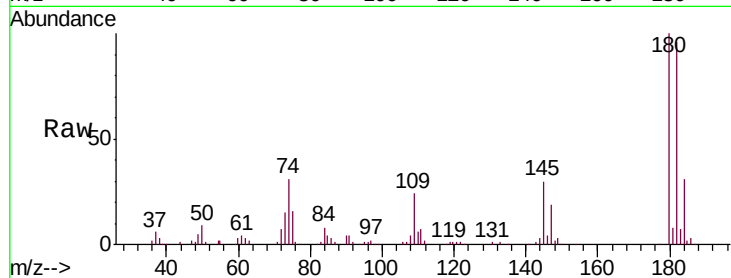




#67
 1,3,5-Trichlorobenzene
 Concen: 5.527 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

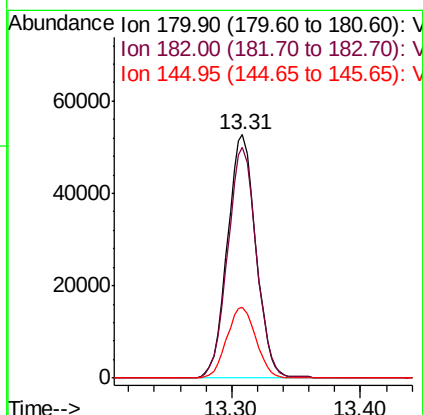
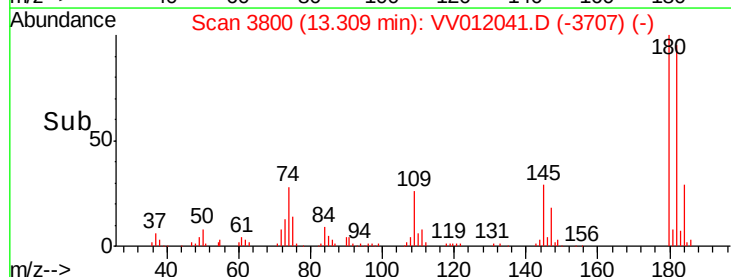
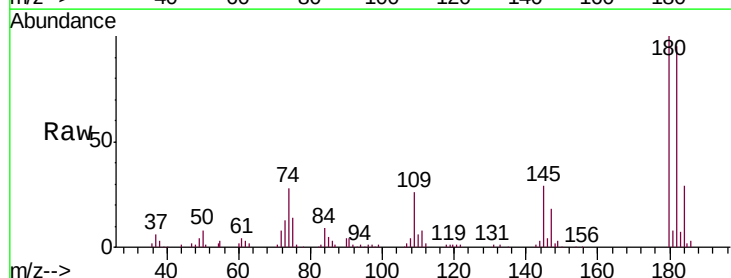
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

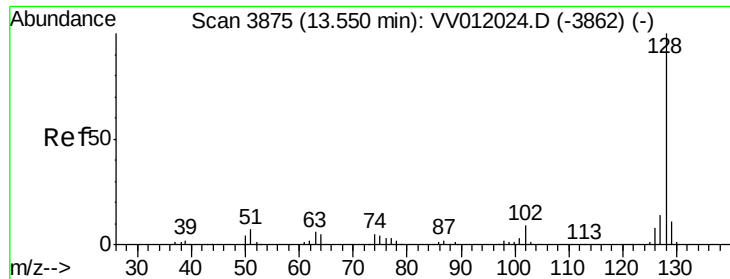
Tgt Ion:180 Resp: 99610
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.4 116.0
 184 31.2 25.2 37.8
 145 30.0 24.4 36.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.529 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012041.D
 Acq: 26 Jul 2019 09:19

Tgt Ion:180 Resp: 80916
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.8 113.8
 145 29.6 23.4 35.2





#69

Naphthalene

Concen: 4.996 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

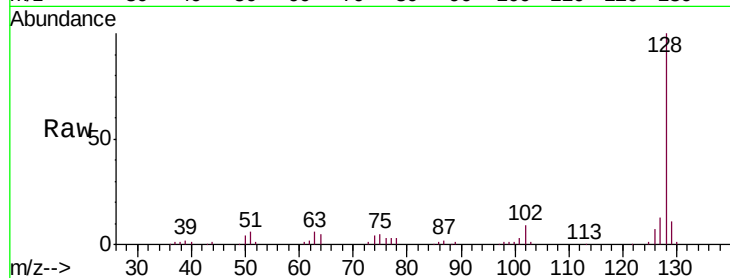
Tgt Ion:128 Resp: 110256

Ion Ratio Lower Upper

128 100

129 10.9 8.2 12.2

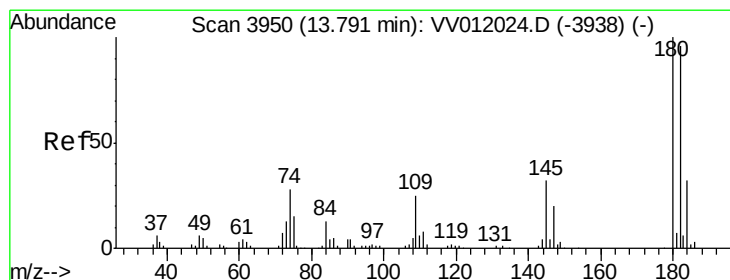
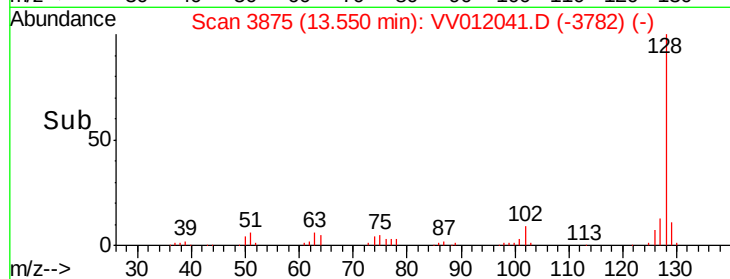
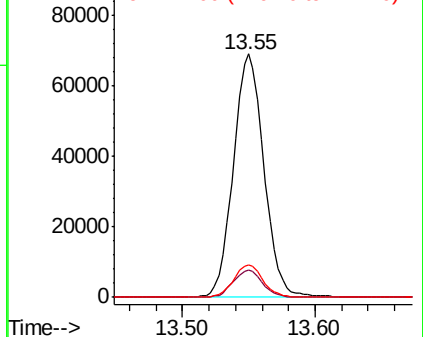
127 13.1 10.8 16.2



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: 5.446 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012041.D

Acq: 26 Jul 2019 09:19

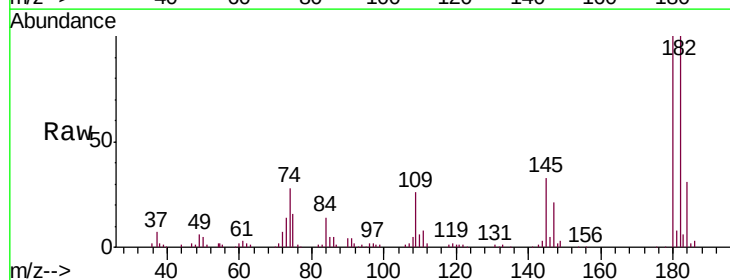
Tgt Ion:180 Resp: 72311

Ion Ratio Lower Upper

180 100

182 97.8 75.5 113.3

145 31.8 24.7 37.1



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

