

Data File : VV012443.D
Acq On : 29 Aug 2019 21:03
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Aug 30 06:48:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 06:44:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	240933	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	228532	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	109269	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	94637	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.58	69	68837	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.13	63	160187	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.00%
20) 2-Butanone-d5	3.96	46	210631	48.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.26%
24) Chloroform-d	4.40	84	170484	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.08	65	83164	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.10	84	334671	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.12	67	103394	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	312124	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.66	79	38562	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.14	63	159350	52.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	72631	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	102631	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	158679	4.904	ug/L	99
3) Chloromethane	1.25	50	151980	4.772	ug/L	98
5) Vinyl chloride	1.32	62	138973	4.620	ug/L	99
6) Bromomethane	1.54	94	76233	4.666	ug/L	99
8) Chloroethane	1.60	64	73246	4.539	ug/L	99
9) Trichlorofluoromethane	1.77	101	185582	4.762	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91537	4.726	ug/L	99
12) 1,1-Dichloroethene	2.14	96	87733	4.805	ug/L	93
13) Acetone	2.23	43	146910	45.938	ug/L	98
14) Carbon disulfide	2.32	76	262233	4.698	ug/L	99
15) Methyl Acetate	2.47	43	39348	4.998	ug/L	98
16) Methylene chloride	2.53	84	91754	4.395	ug/L	96
17) Methyl tert-butyl Ether	2.81	73	253035	5.042	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	112966	4.830	ug/L	97
19) 1,1-Dichloroethane	3.23	63	222581	4.862	ug/L	98
21) 2-Butanone	4.05	43	293637	49.947	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	122442	5.002	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	52195	4.909	ug/L	97
25) Chloroform	4.42	83	220218	4.592	ug/L	99
27) 1,2-Dichloroethane	5.18	62	130934	4.868	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	185340	5.007	ug/L	97
30) Cyclohexane	4.72	56	199881	5.356	ug/L	97
31) Carbon tetrachloride	4.87	117	161602	4.962	ug/L	97
33) Benzene	5.14	78	486386	5.141	ug/L	100
34) Trichloroethene	5.96	95	120744	5.009	ug/L	98
35) Methylcyclohexane	6.17	83	195869	5.341	ug/L	98
37) 1,2-Dichloropropane	6.22	63	125532	5.088	ug/L	100
38) Bromodichloromethane	6.55	83	151653	4.943	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	166580	5.218	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	756367	54.091	ug/L	99
42) Toluene	7.43	91	509468	5.261	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	126817	5.114	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	80297	4.906	ug/L	98
47) Tetrachloroethene	8.02	164	97308	5.043	ug/L	98
48) 2-Hexanone	8.19	43	533039	55.970	ug/L	99
49) Dibromochloromethane	8.29	129	96850	5.139	ug/L	99
50) 1,2-Dibromoethane	8.40	107	72653	5.026	ug/L	99
51) Chlorobenzene	8.92	112	314658	5.128	ug/L	97
52) Ethylbenzene	9.05	91	544565	5.321	ug/L	100
53) m,p-xylene	9.18	106	204868	5.461	ug/L	99
54) o-xylene	9.59	106	195634	5.341	ug/L	95
55) Styrene	9.60	104	341098	5.548	ug/L	97
56) Isopropylbenzene	9.97	105	527615	5.471	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	94182	4.892	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	66866	4.879	ug/L	95
61) Bromoform	9.77	173	51937	5.111	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	242305	5.299	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	240122	5.241	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	225492	5.230	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	14578	5.023	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	183491	5.379	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	136341	5.451	ug/L	99
69) Naphthalene	13.55	128	208392	5.757	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	133721	5.565	ug/L	100

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

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Instrument :
MSVOA_V
ClientSampleId :

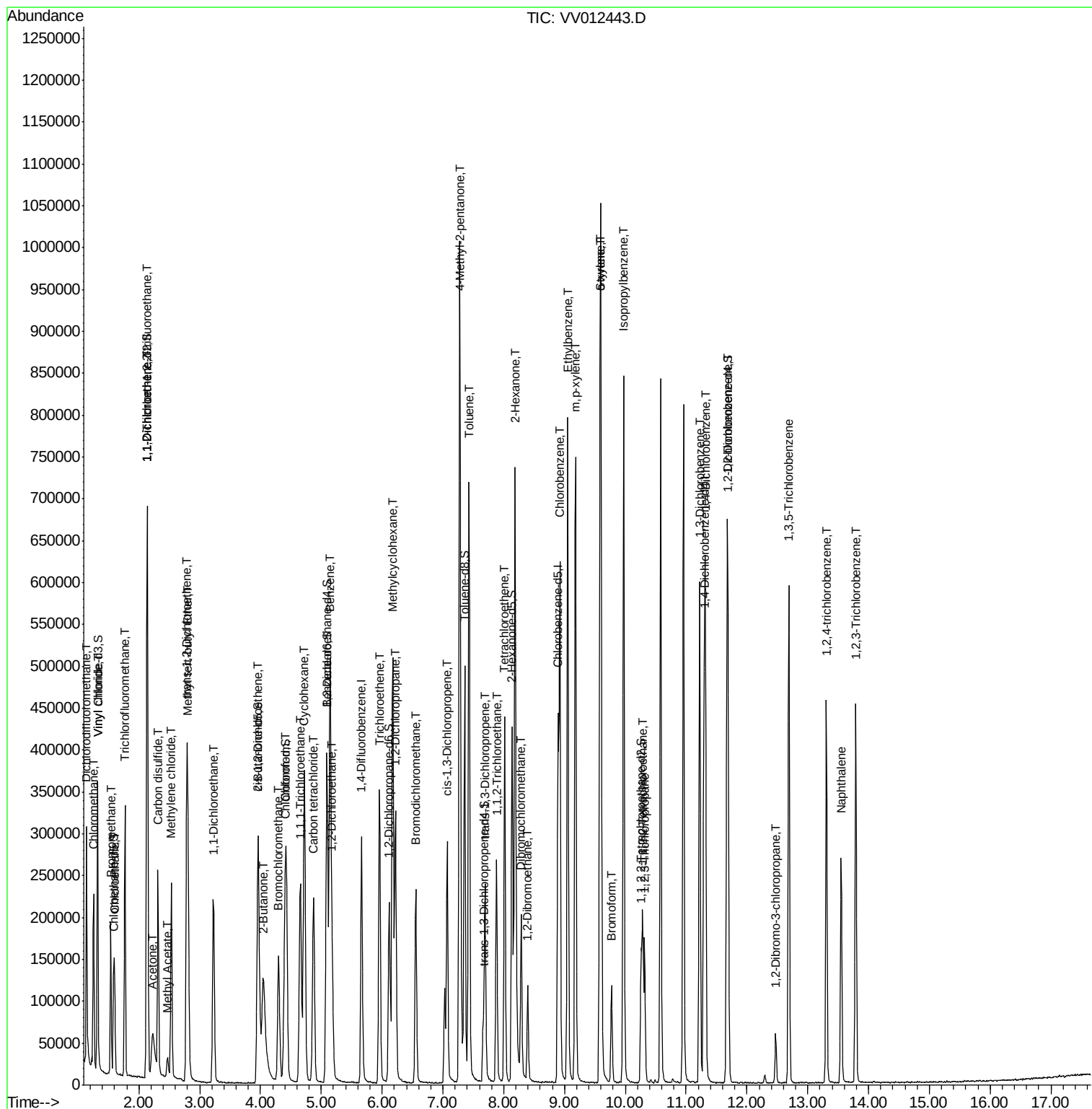
Quant Time: Aug 30 06:48:37 2019

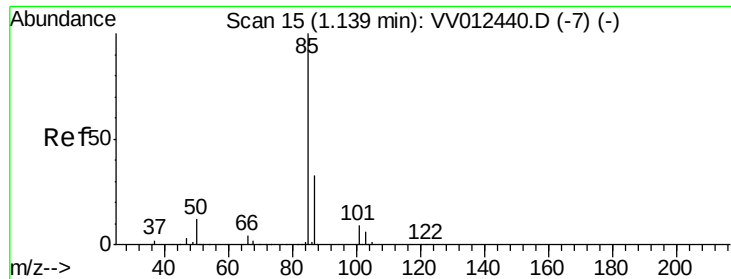
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR082919WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 4.904 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

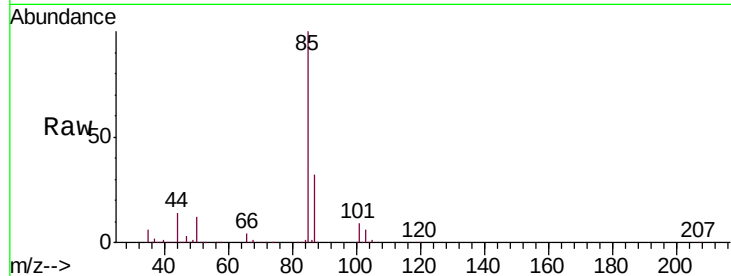
Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 85 Resp: 158679

Ion Ratio Lower Upper

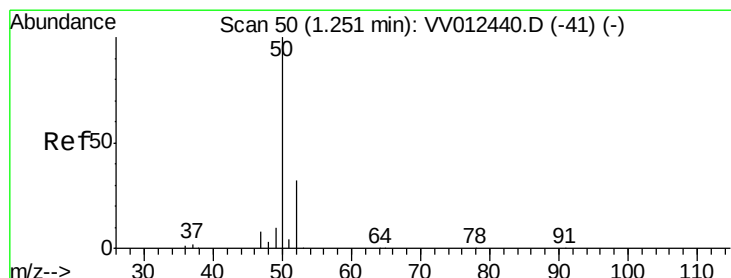
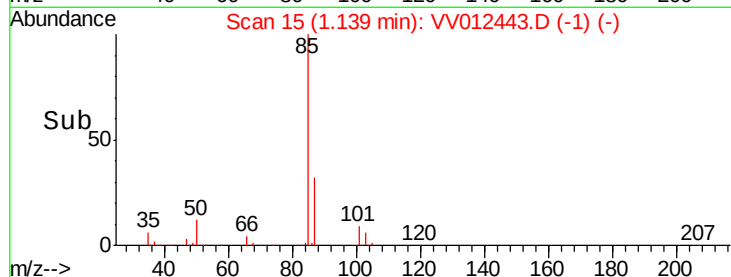
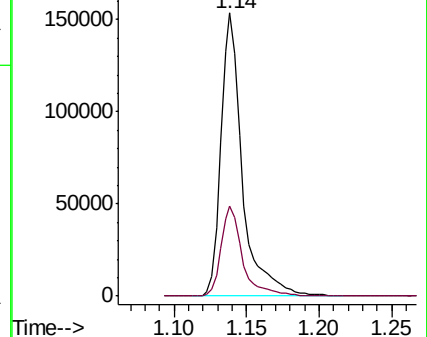
85 100

87 32.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.772 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012443.D

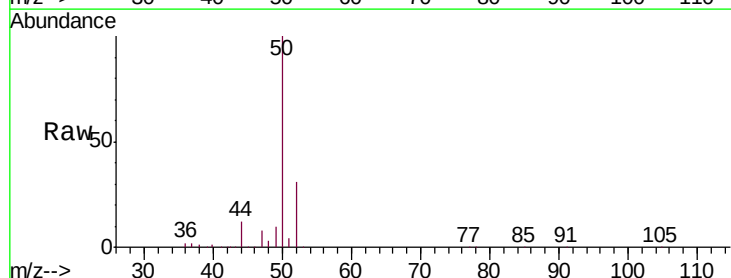
Acq: 29 Aug 2019 21:03

Tgt Ion: 50 Resp: 151980

Ion Ratio Lower Upper

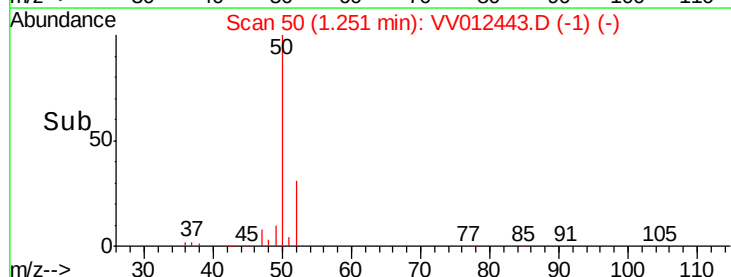
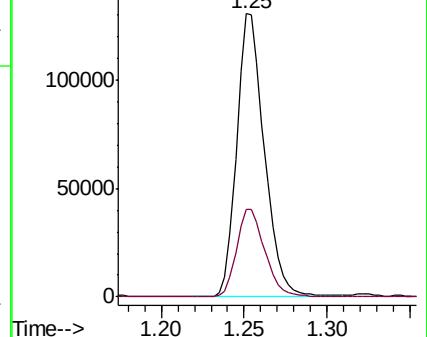
50 100

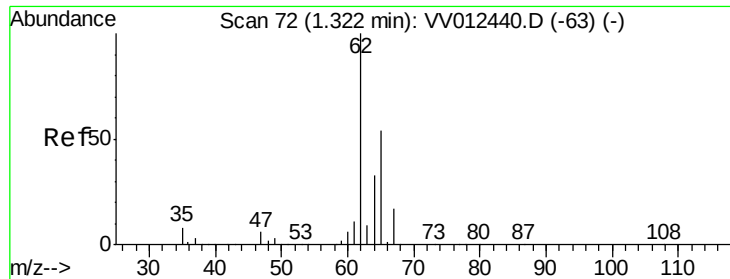
52 31.0 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.620 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

Instrument :

MSVOA_V

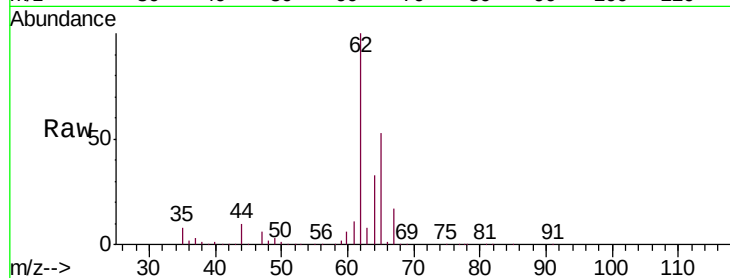
ClientSampleId :

Tgt Ion: 62 Resp: 138973

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

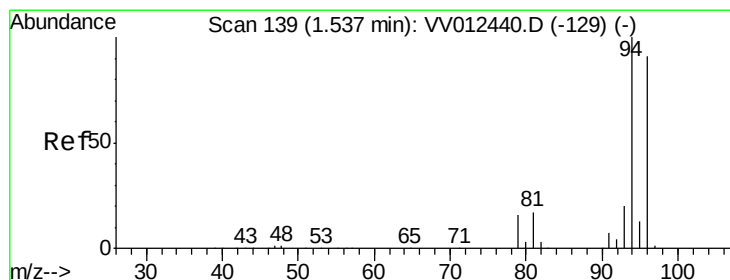
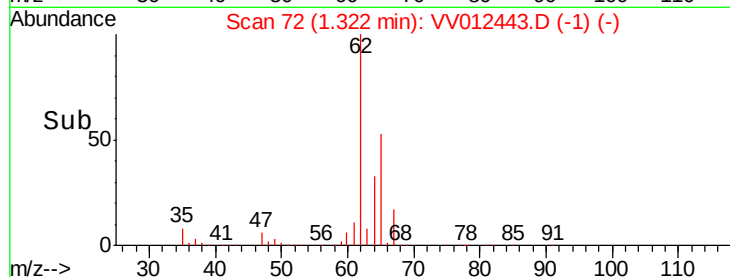
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.666 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012443.D

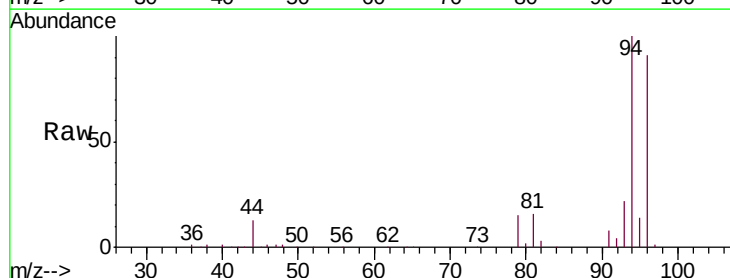
Acq: 29 Aug 2019 21:03

Tgt Ion: 94 Resp: 76233

Ion Ratio Lower Upper

94 100

96 90.9 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

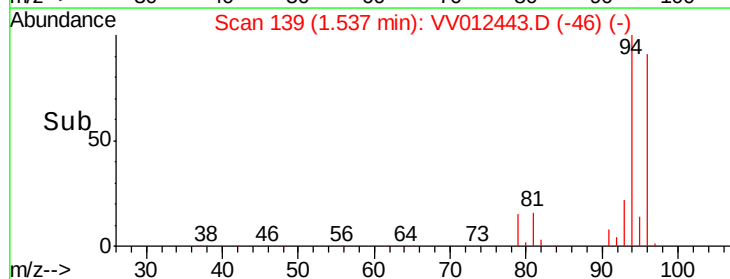
60000

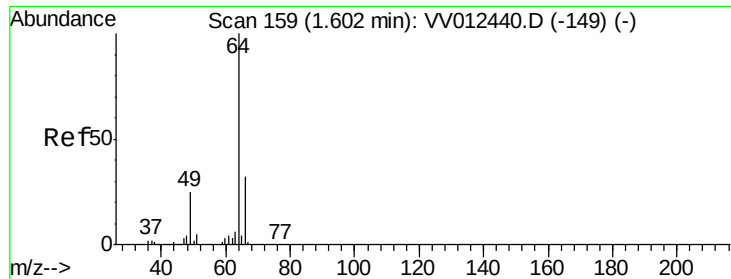
40000

20000

0

Time-->

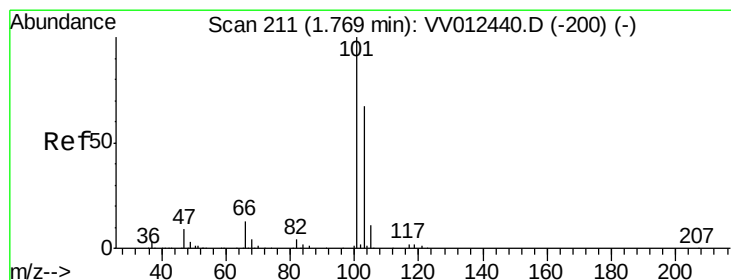
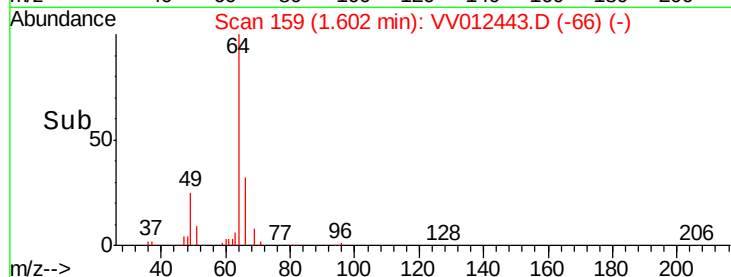
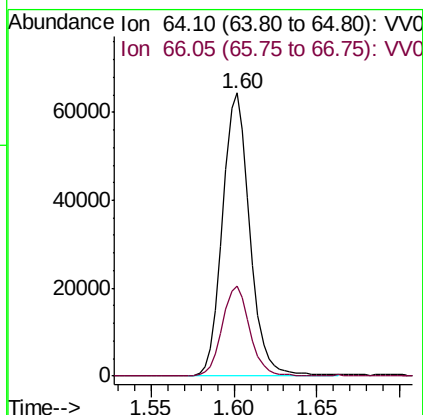
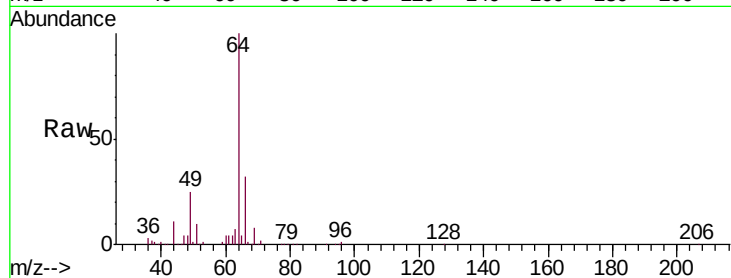




#8
Chloroethane
Concen: 4.539 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

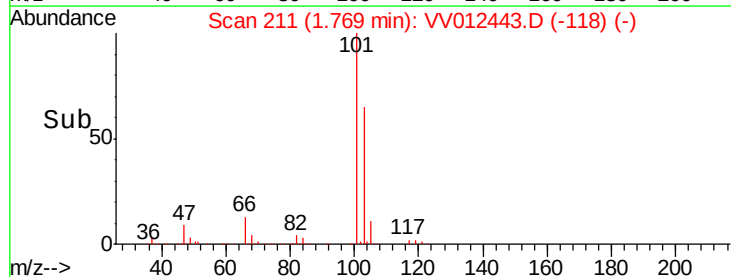
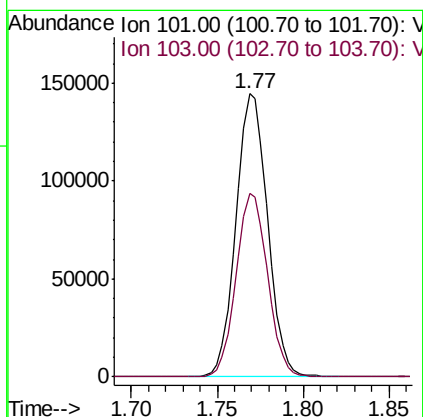
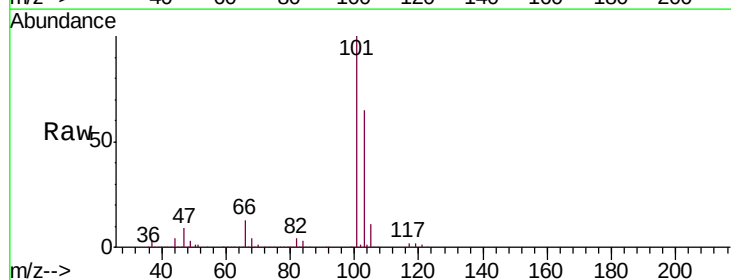
Instrument :
MSVOA_V
ClientSampleId :

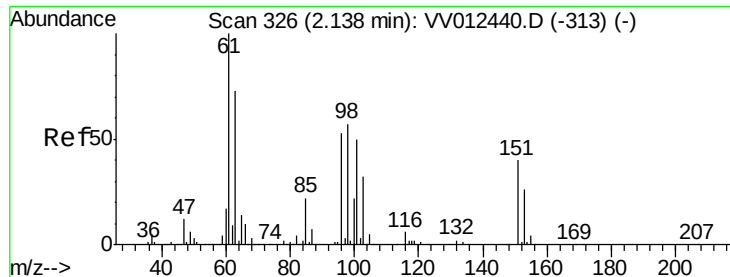
Tgt Ion: 64 Resp: 73246
Ion Ratio Lower Upper
64 100
66 31.7 22.5 41.7



#9
Trichlorofluoromethane
Concen: 4.762 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 101 Resp: 185582
Ion Ratio Lower Upper
101 100
103 64.4 53.0 79.4





#10

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

Concen: 4.726 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012443.D

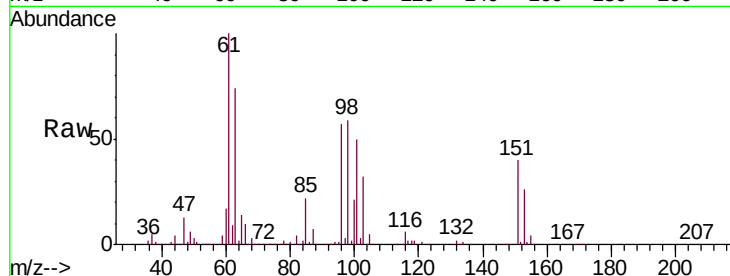
Acq: 29 Aug 2019 21:03

Instrument :

MSVOA_V

ClientSampleId :

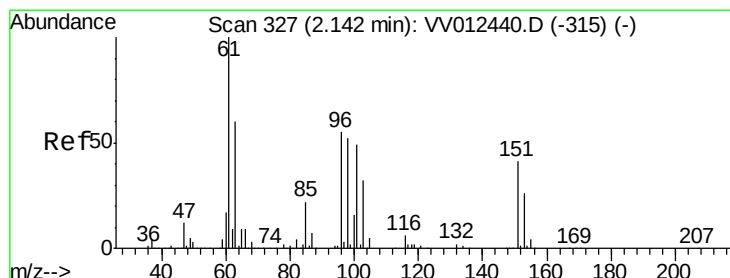
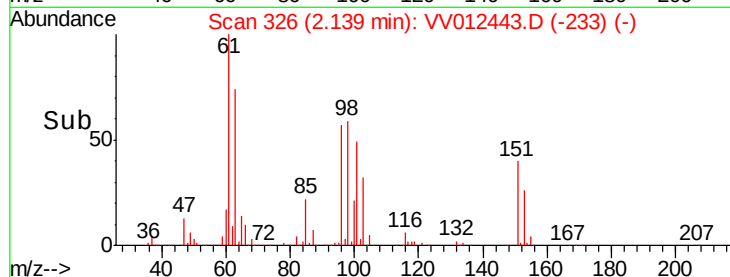
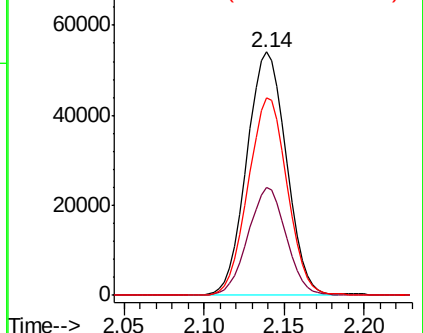
Tgt Ion:	101	Resp:	91537
Ion	Ratio	Lower	Upper
101	100		
85	42.9	35.4	53.2
151	80.4	64.4	96.6



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: 4.805 ug/L

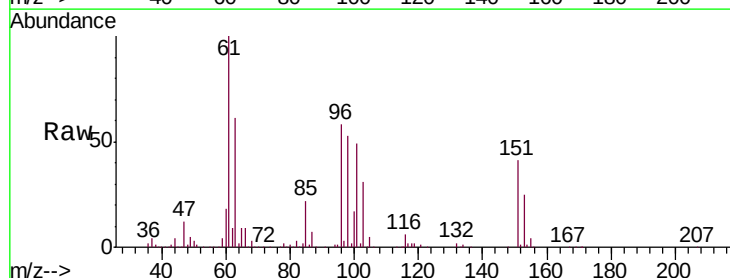
RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

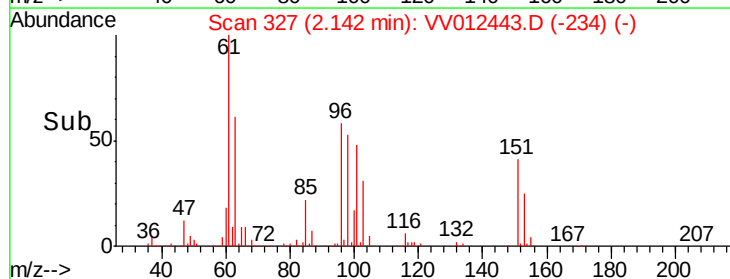
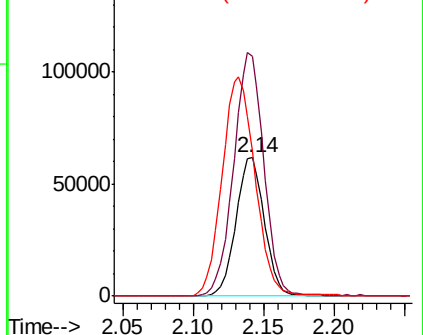
Tgt Ion:	96	Resp:	87733
Ion	Ratio	Lower	Upper
96	100		
61	173.1	127.8	237.4
63	105.0	78.2	145.2

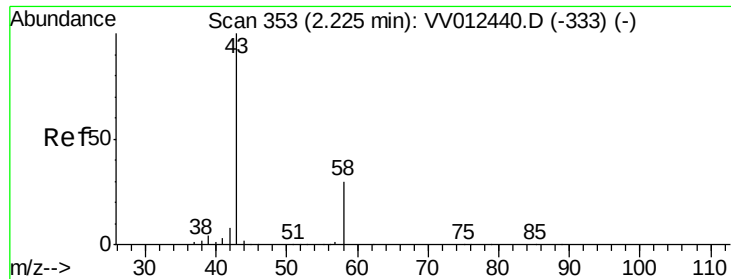


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 45.938 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

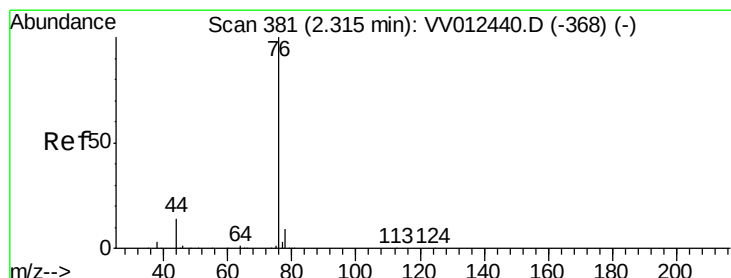
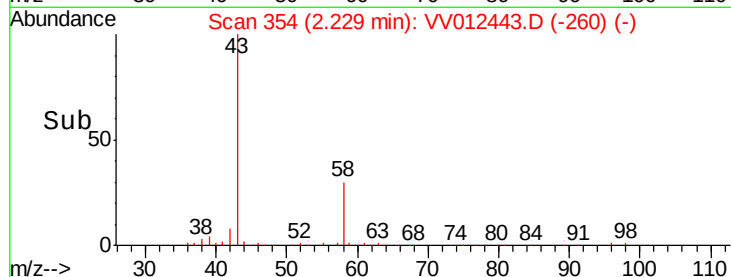
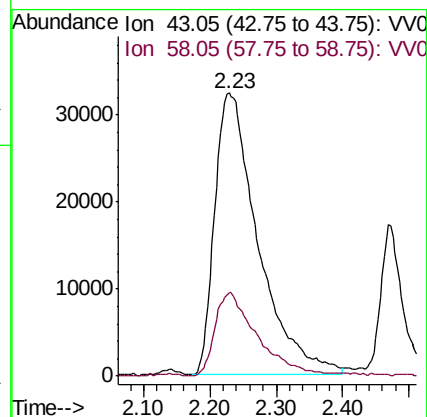
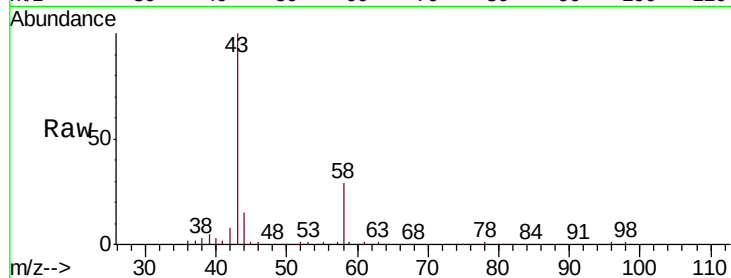
Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 146910

Ion Ratio Lower Upper

43 100

58 29.2 0.0 56.8



#14

Carbon disulfide

Concen: 4.698 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012443.D

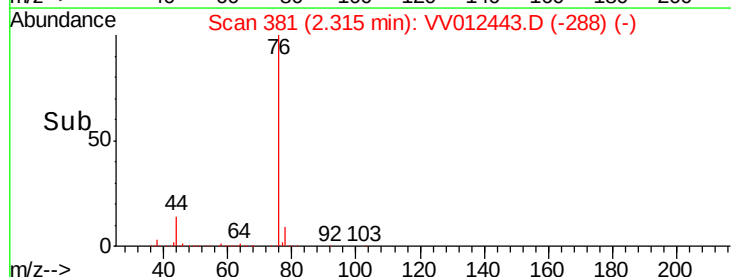
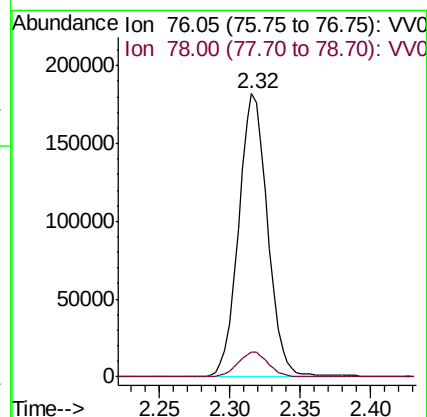
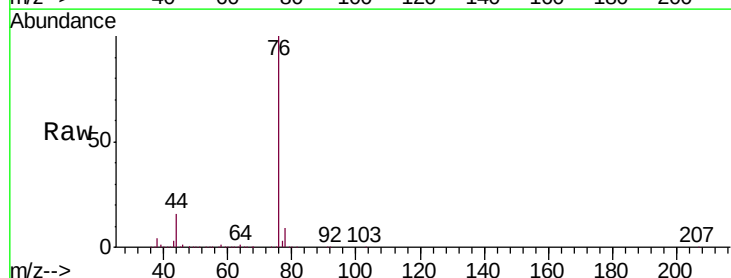
Acq: 29 Aug 2019 21:03

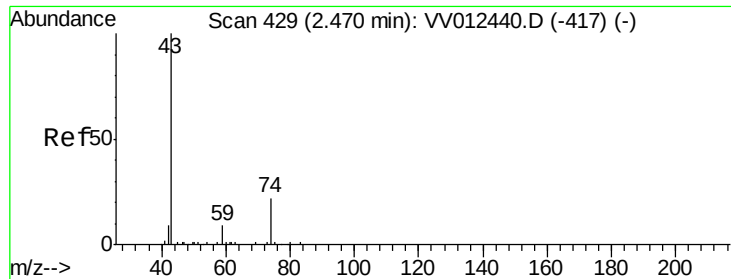
Tgt Ion: 76 Resp: 262233

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

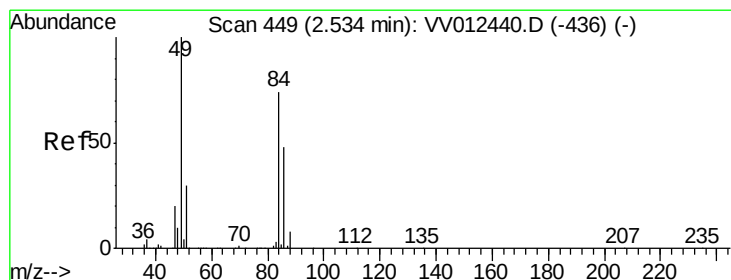
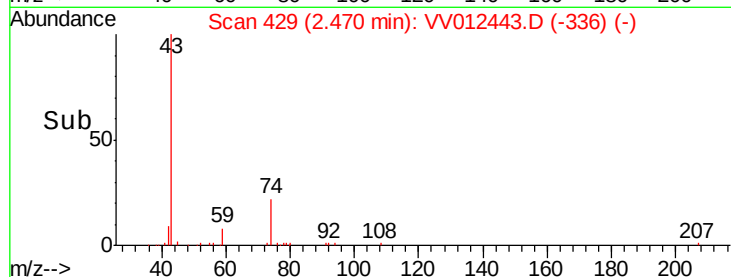
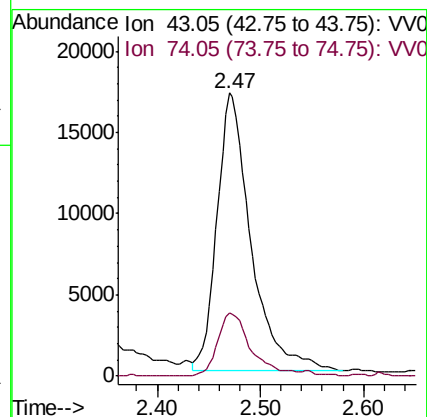
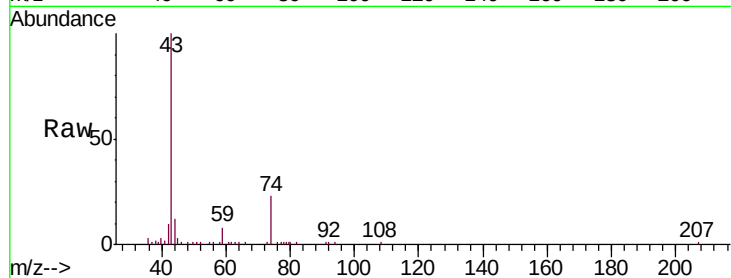




#15
Methyl Acetate
Concen: 4.998 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

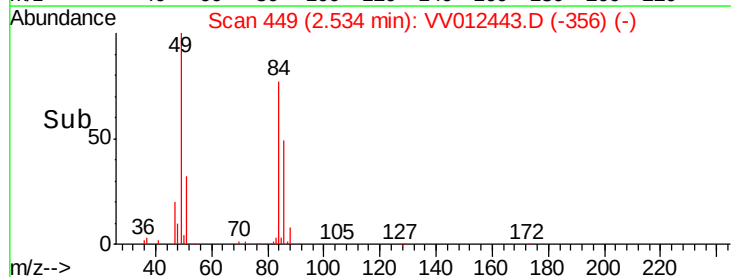
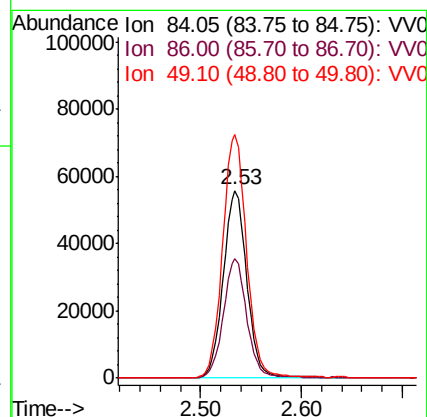
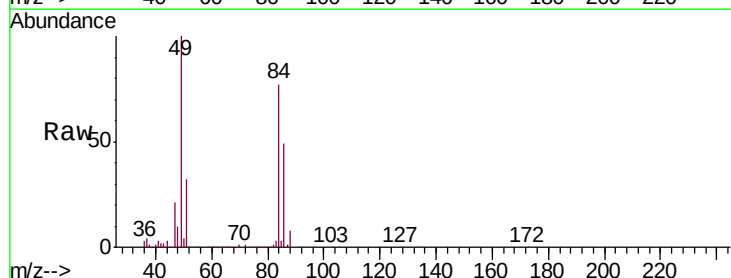
Instrument :
MSVOA_V
ClientSampleId :

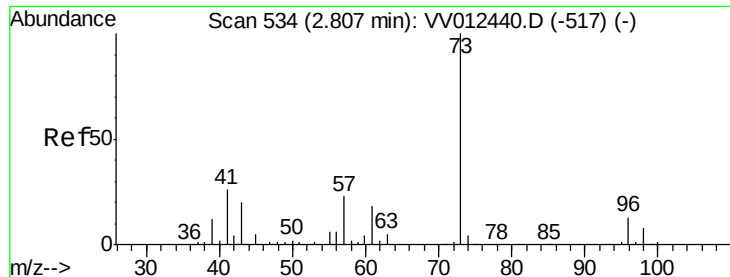
Tgt Ion: 43 Resp: 39348
Ion Ratio Lower Upper
43 100
74 21.5 18.1 27.1



#16
Methylene chloride
Concen: 4.395 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 84 Resp: 91754
Ion Ratio Lower Upper
84 100
86 64.0 45.2 84.0
49 129.7 95.1 176.7





#17

Methyl tert-butyl Ether

Concen: 5.042 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

Instrument :

MSVOA_V

ClientSampled :

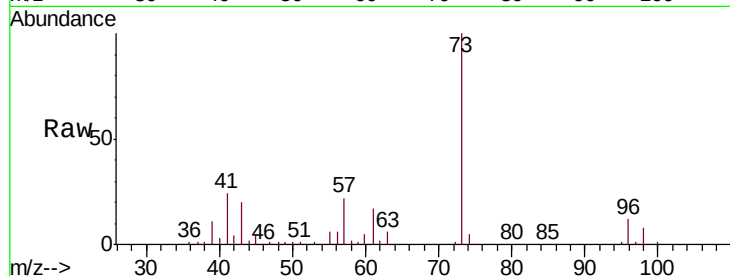
Tgt Ion: 73 Resp: 253035

Ion Ratio Lower Upper

73 100

43 19.7 16.1 24.1

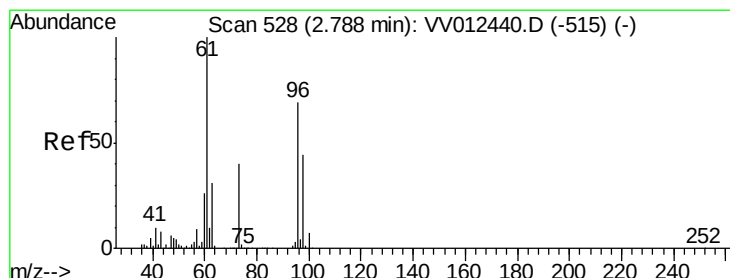
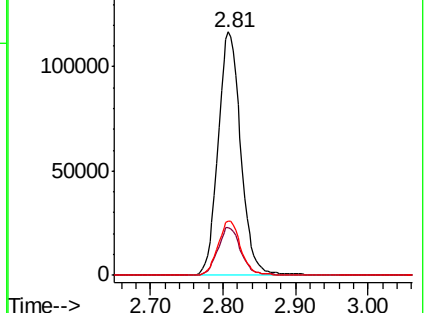
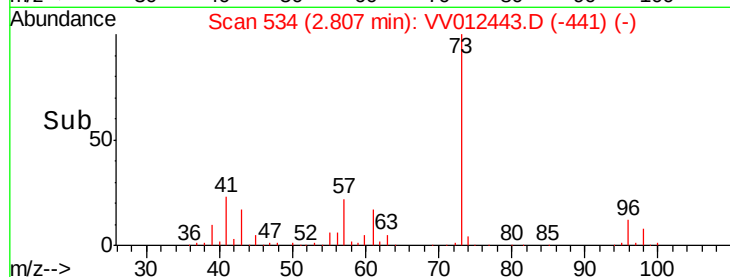
57 22.4 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.830 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

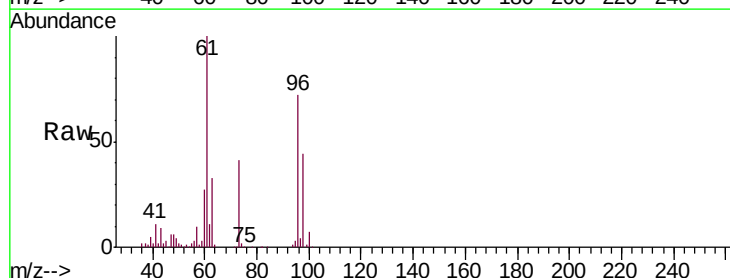
Tgt Ion: 96 Resp: 112966

Ion Ratio Lower Upper

96 100

61 139.9 101.2 188.0

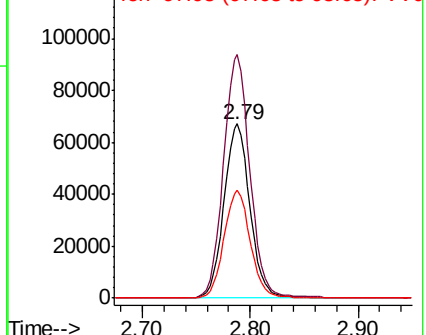
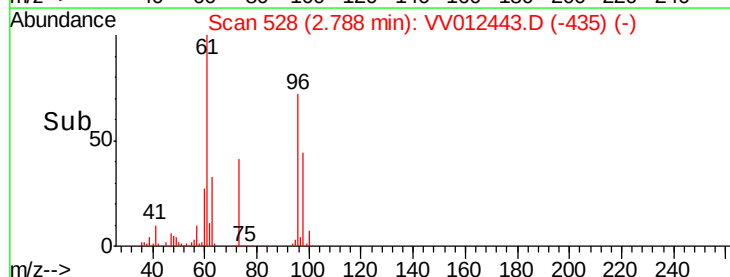
98 61.8 44.1 81.9

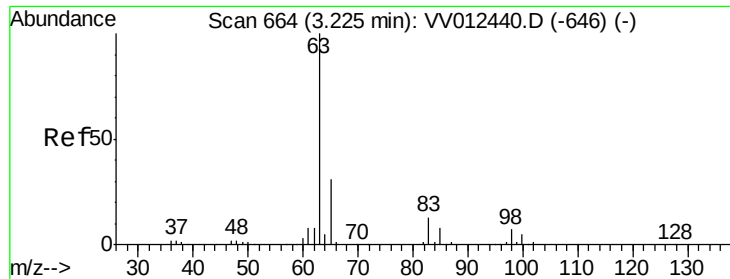


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

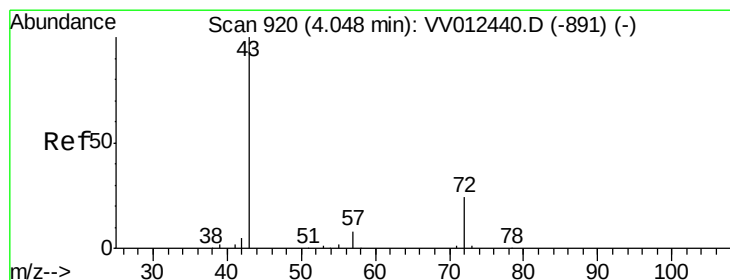
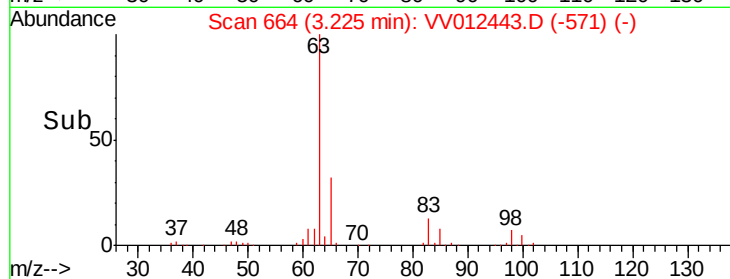
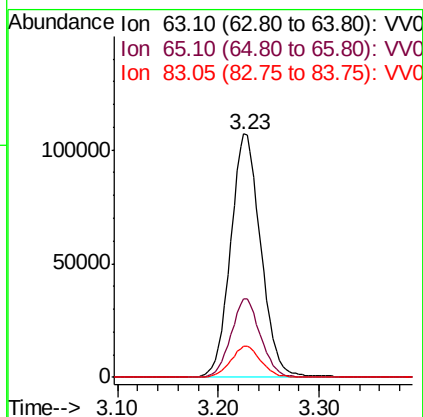
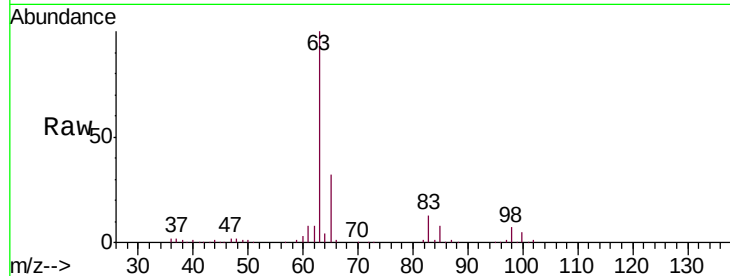




#19
 1,1-Dichloroethane
 Concen: 4.862 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

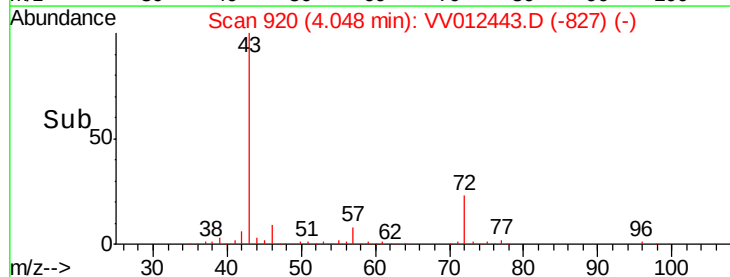
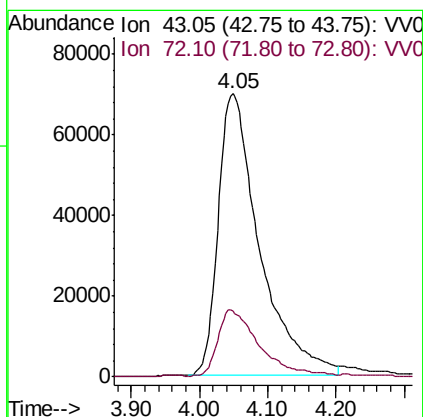
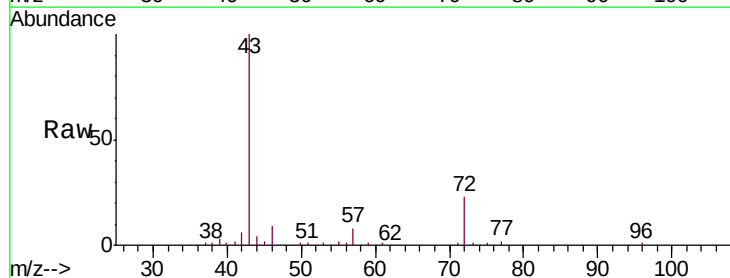
Instrument :
 MSVOA_V
 ClientSampled :

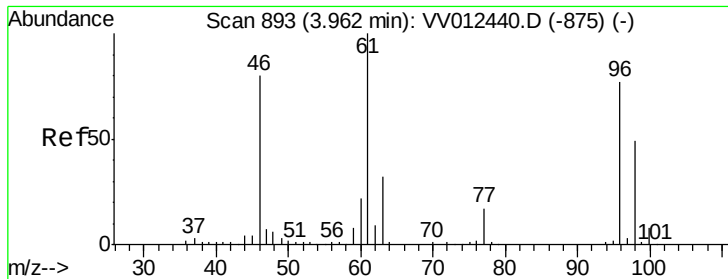
Tgt Ion: 63 Resp: 222581
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.6 40.2
 83 12.6 9.0 16.8



#21
 2-Butanone
 Concen: 49.947 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

Tgt Ion: 43 Resp: 293637
 Ion Ratio Lower Upper
 43 100
 72 22.4 11.8 35.3



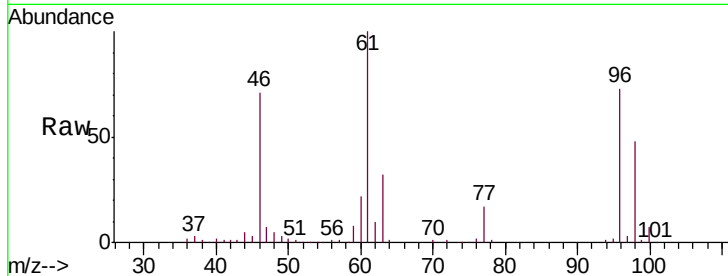


#22

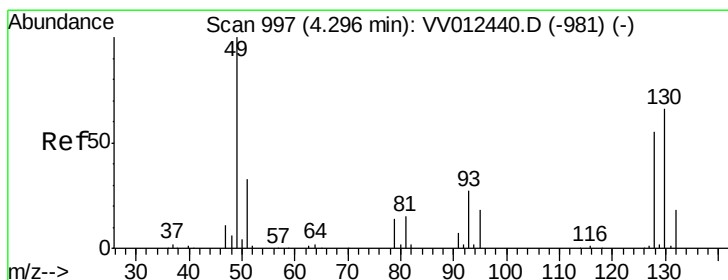
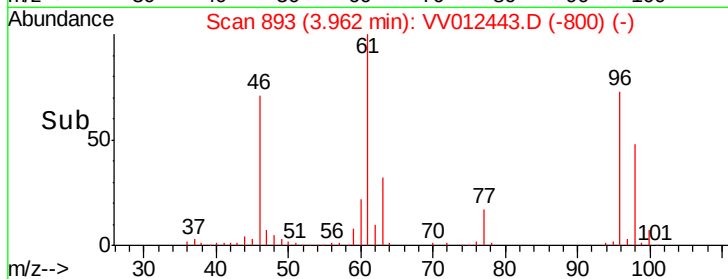
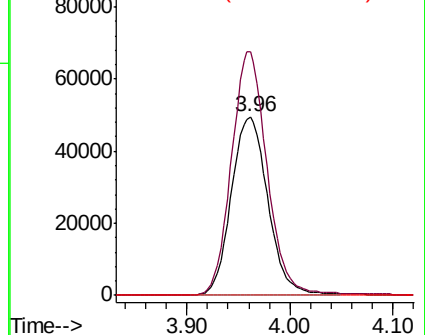
cis-1,2-Dichloroethene
 Concen: 5.002 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

Instrument :
 MSVOA_V
 ClientSampled :

Tgt Ion: 96 Resp: 122442
 Ion Ratio Lower Upper
 96 100
 61 136.4 91.5 169.9
 68 0.0 0.0 0.0



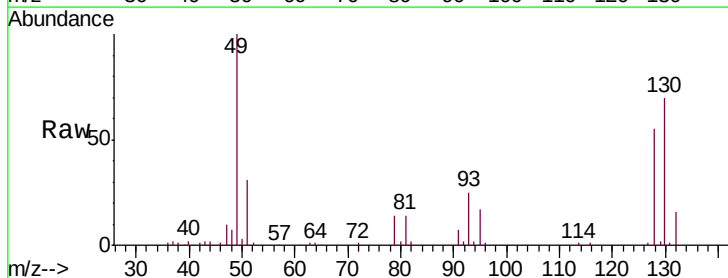
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



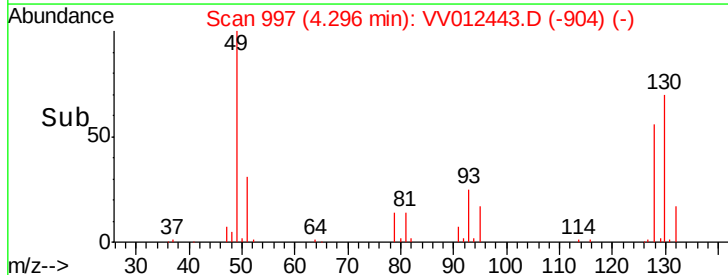
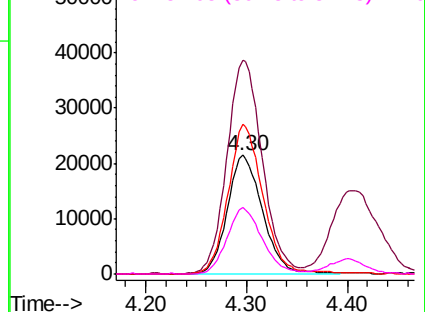
#23

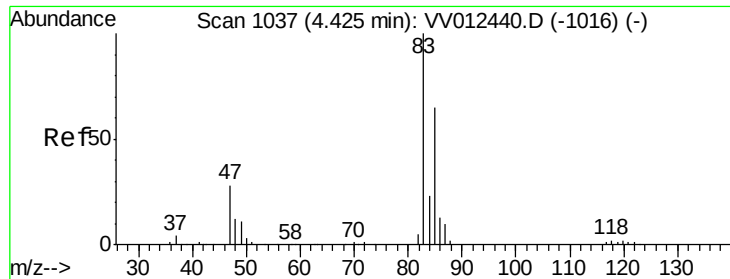
Bromochloromethane
 Concen: 4.909 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

Tgt Ion: 128 Resp: 52195
 Ion Ratio Lower Upper
 128 100
 49 180.3 127.7 237.3
 130 126.0 84.1 156.1
 51 56.1 48.0 72.0



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

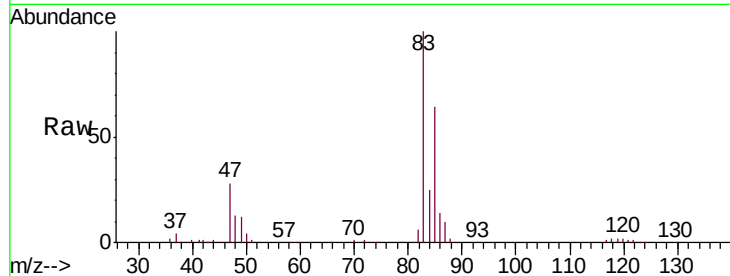




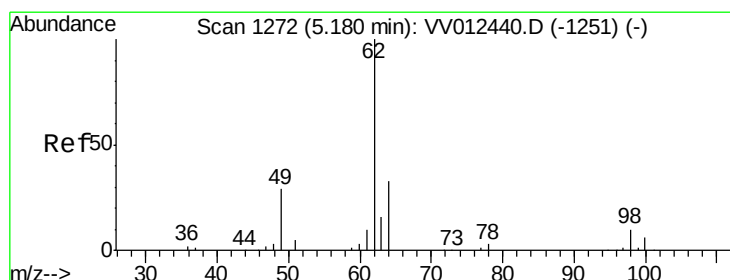
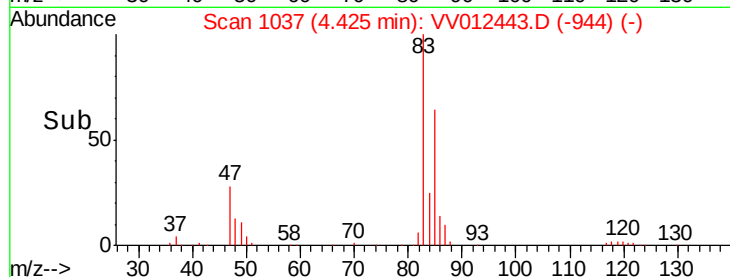
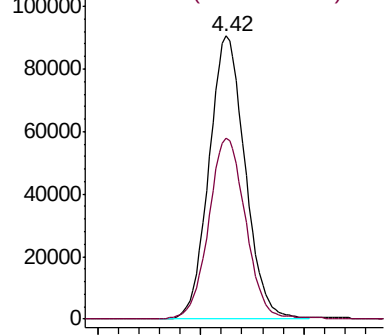
#25
Chloroform
Concen: 4.592 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 83 Resp: 220218
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.4

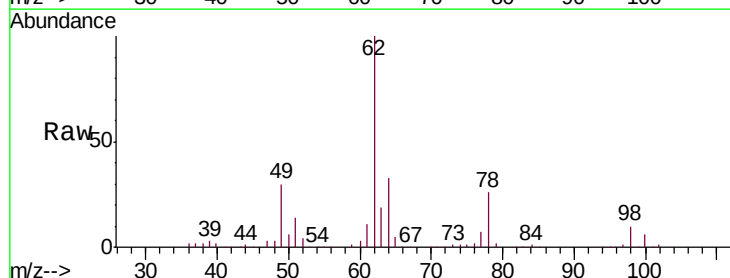


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

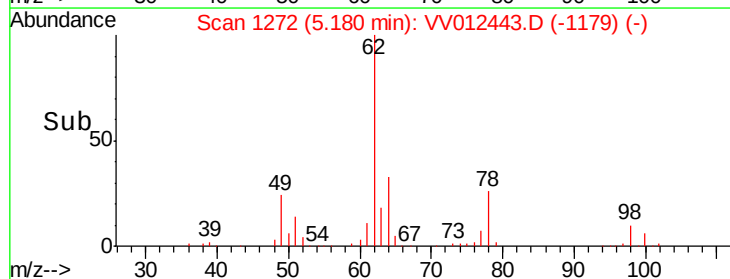
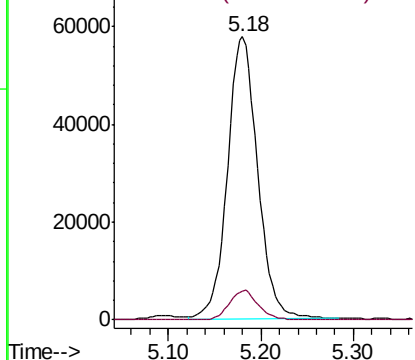


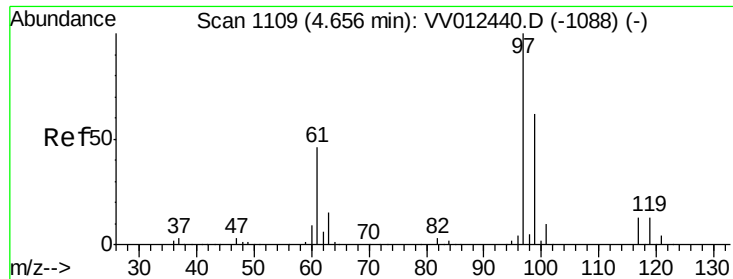
#27
1,2-Dichloroethane
Concen: 4.868 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 62 Resp: 130934
Ion Ratio Lower Upper
62 100
98 10.1 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

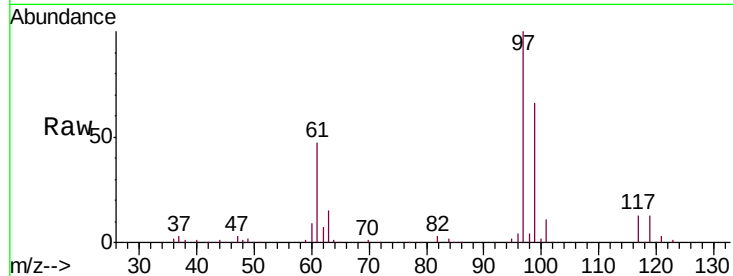




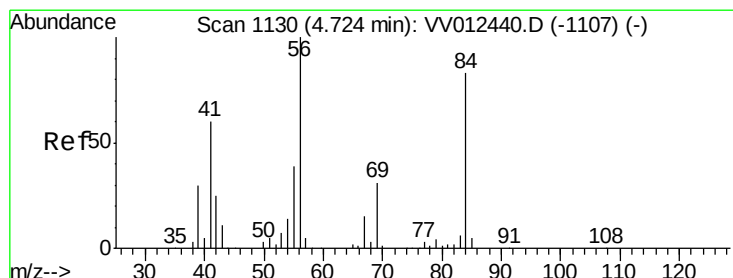
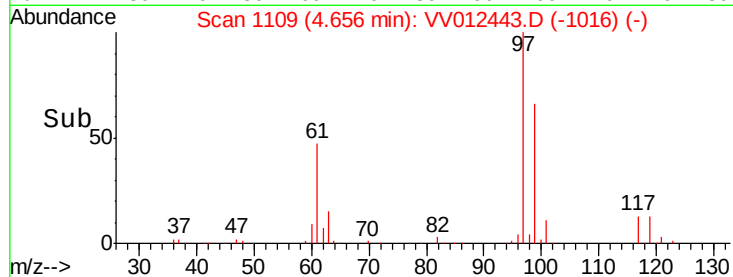
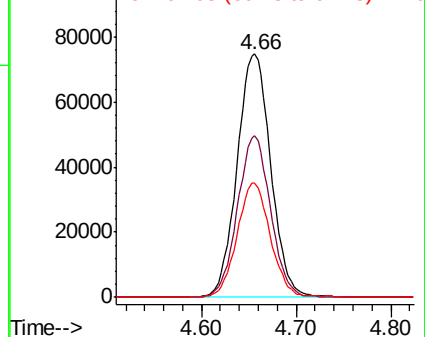
#29
 1,1,1-Trichloroethane
 Concen: 5.007 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

Instrument :
 MSVOA_V
 ClientSampled :

Tgt Ion: 97 Resp: 185340
 Ion Ratio Lower Upper
 97 100
 99 65.3 49.8 74.6
 61 46.4 36.7 55.1

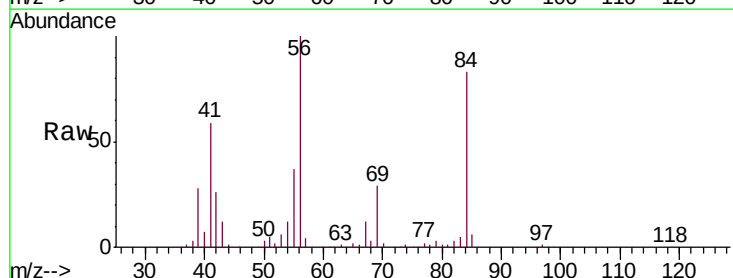


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

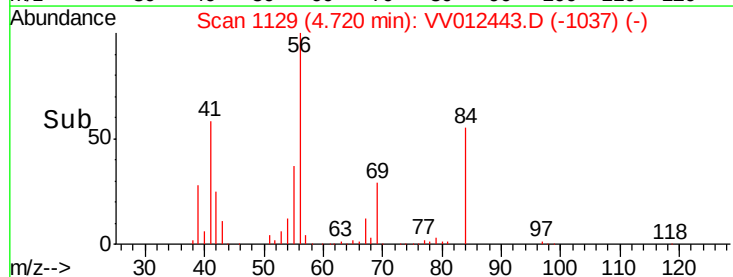
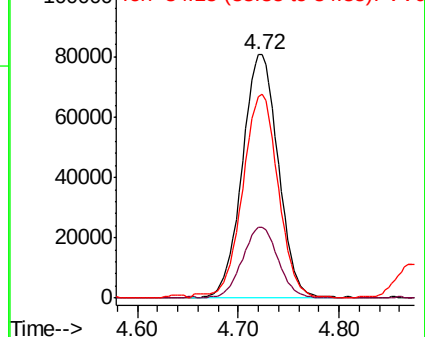


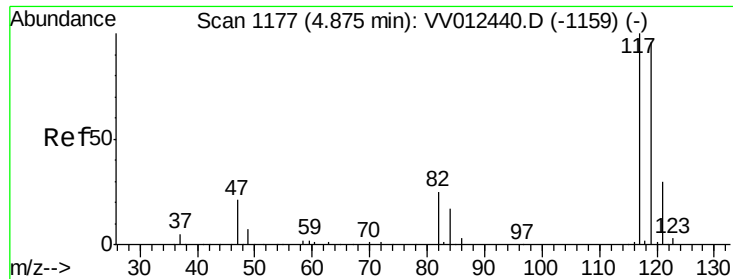
#30
 Cyclohexane
 Concen: 5.356 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

Tgt Ion: 56 Resp: 199881
 Ion Ratio Lower Upper
 56 100
 69 28.4 24.4 36.6
 84 82.3 67.8 101.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.962 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

Instrument :

MSVOA_V

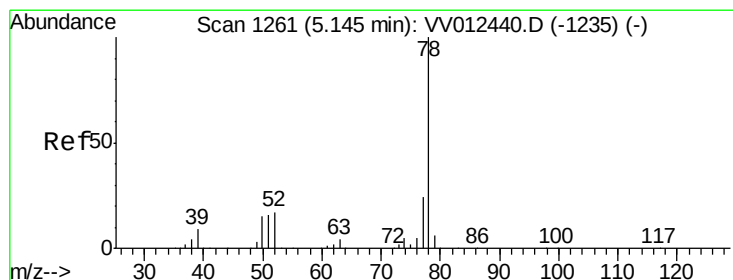
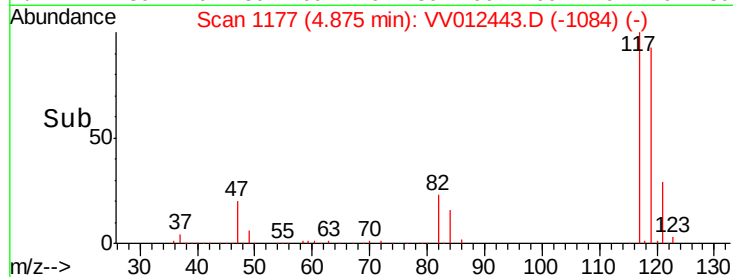
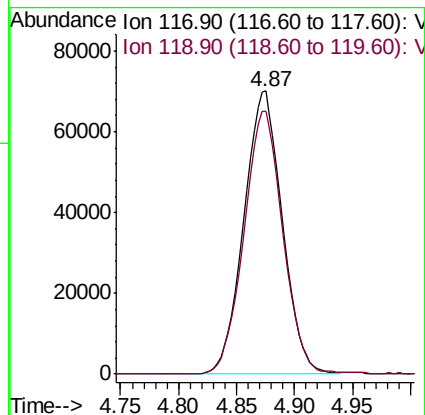
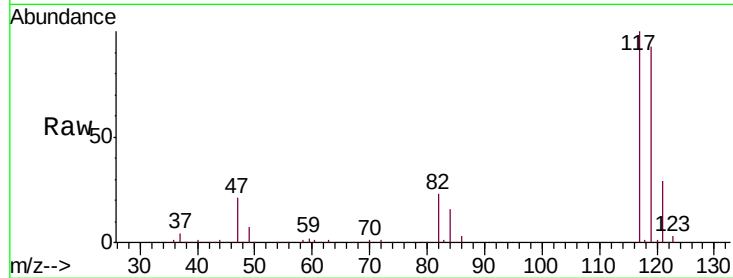
ClientSampleId :

Tgt Ion:117 Resp: 161602

Ion Ratio Lower Upper

117 100

119 94.0 77.8 116.8



#33

Benzene

Concen: 5.141 ug/L

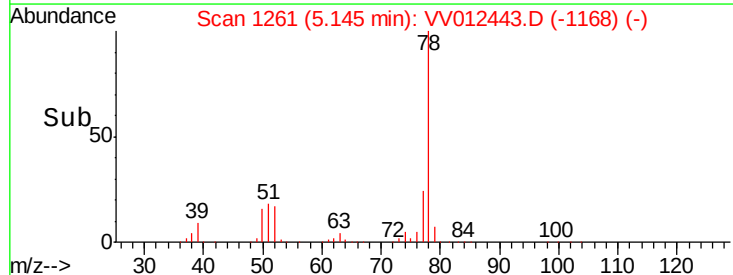
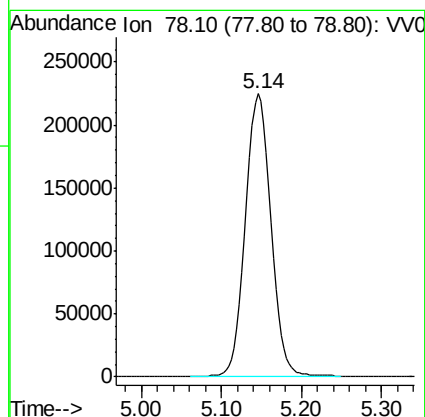
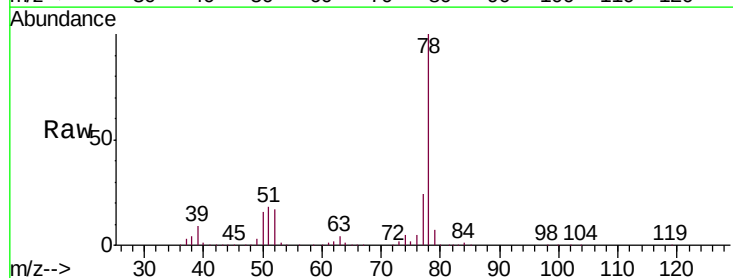
RT: 5.14 min Scan# 1261

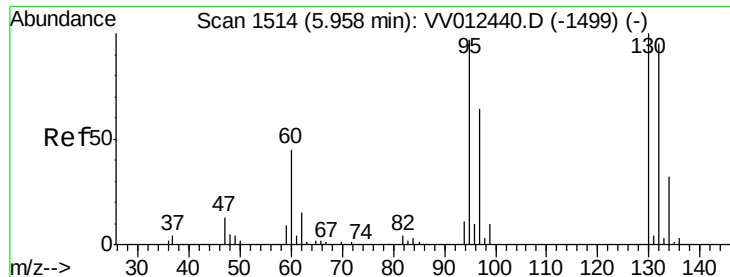
Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

Tgt Ion: 78 Resp: 486386





#34

Trichloroethene

Concen: 5.009 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 120744

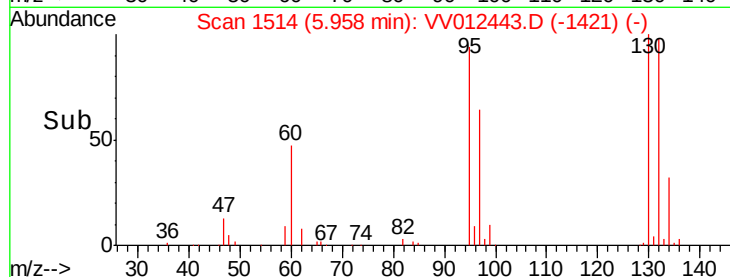
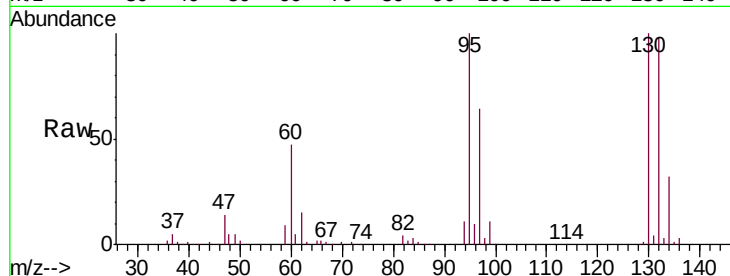
Ion Ratio Lower Upper

95 100

97 64.3 45.8 85.2

132 97.5 68.3 126.9

130 100.0 72.0 133.8

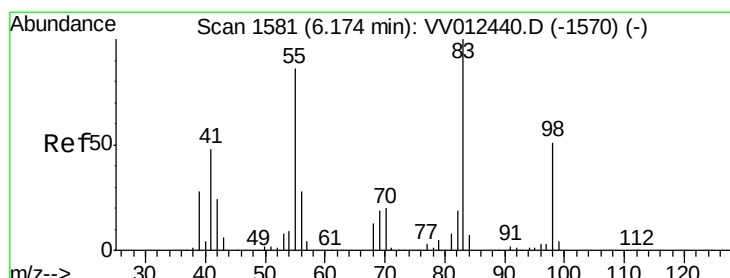
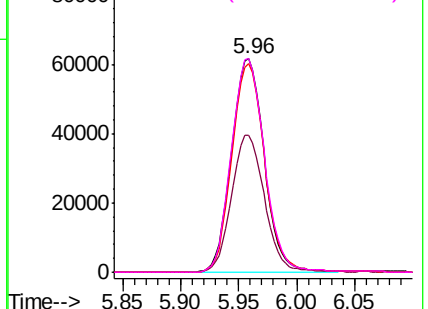


Abundance Ion 95.00 (94.70 to 95.70): VV012443.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV012443.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV012443.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV012443.D (-1421) (-)



#35

Methylcyclohexane

Concen: 5.341 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

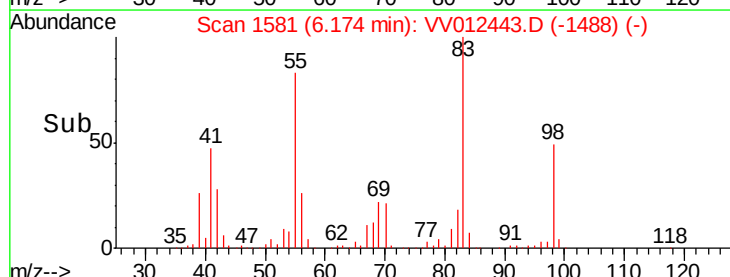
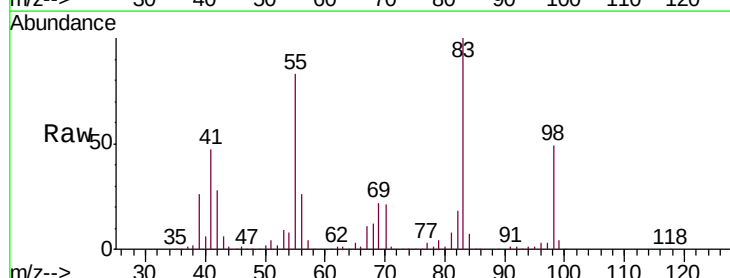
Tgt Ion: 83 Resp: 195869

Ion Ratio Lower Upper

83 100

55 82.5 67.8 101.6

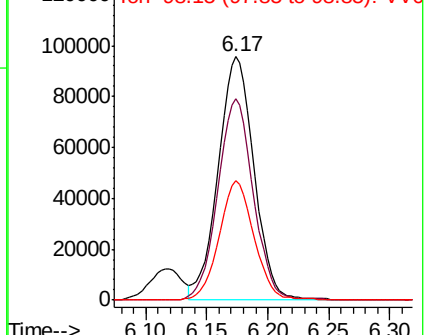
98 48.0 39.2 58.8

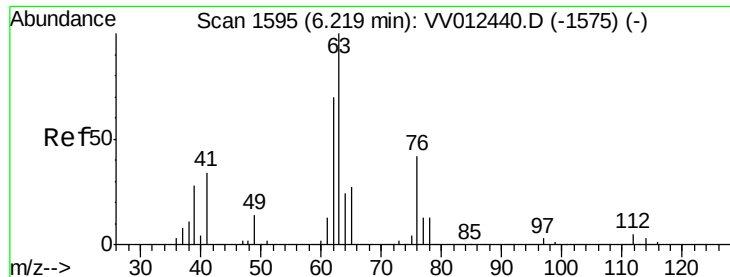


Abundance Ion 83.15 (82.85 to 83.85): VV012443.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV012443.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV012443.D (-1488) (-)

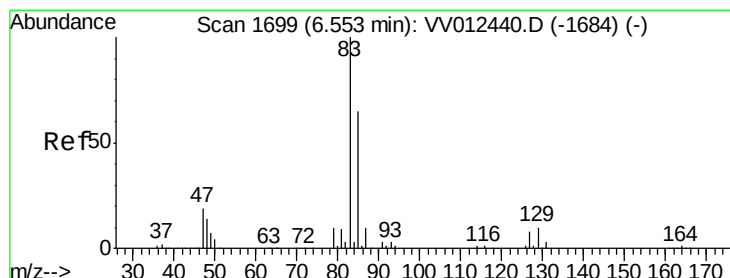
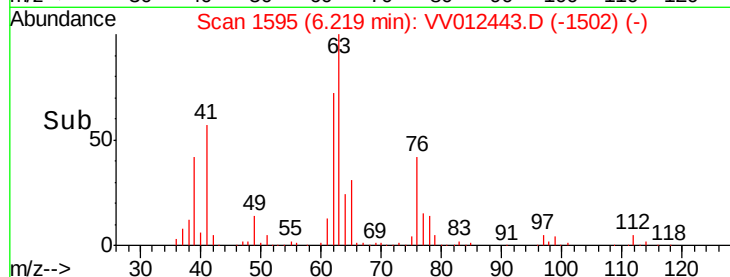
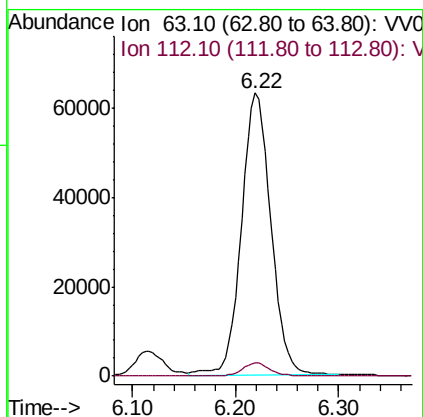
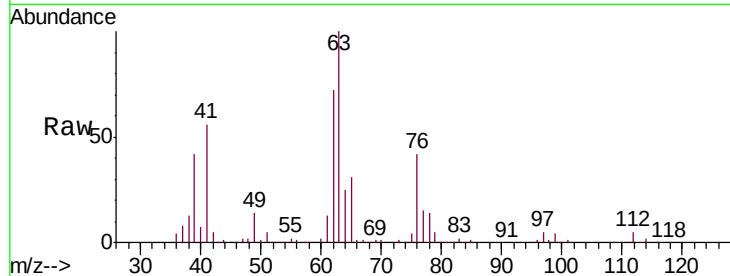




#37
 1,2-Dichloropropane
 Concen: 5.088 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

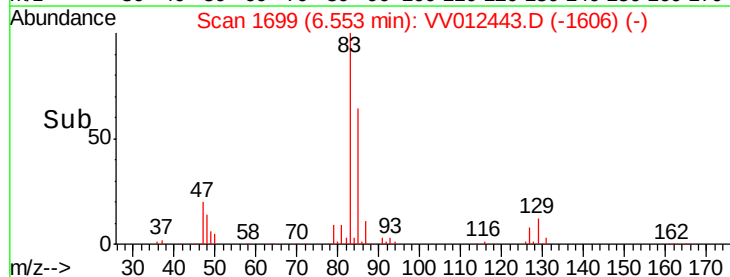
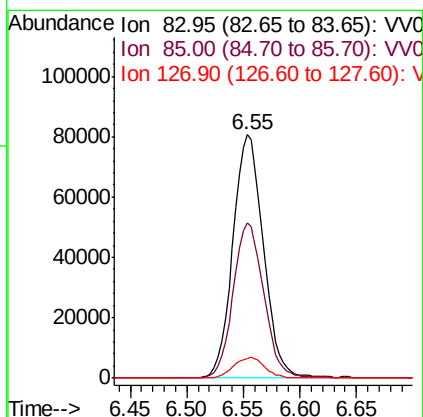
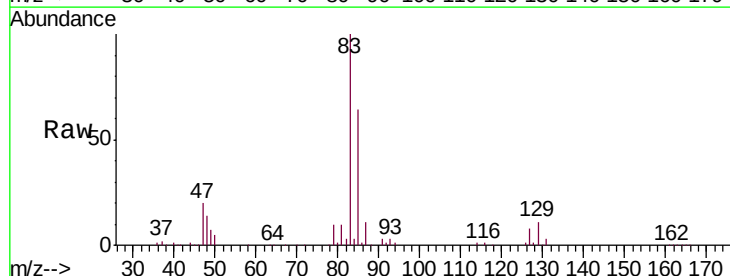
Instrument :
 MSVOA_V
 ClientSampleId :

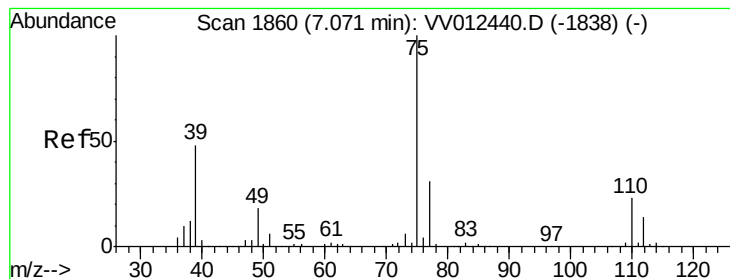
Tgt Ion: 63 Resp: 125532
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.943 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

Tgt Ion: 83 Resp: 151653
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.4 84.4
 127 8.0 6.4 9.6



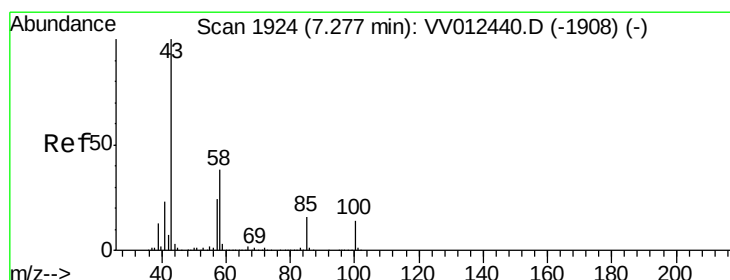
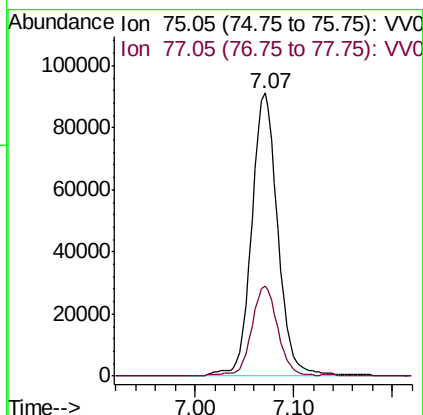
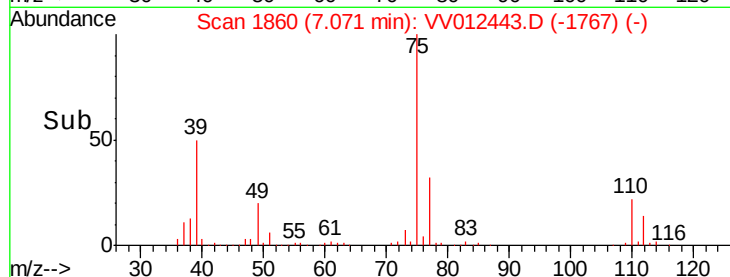
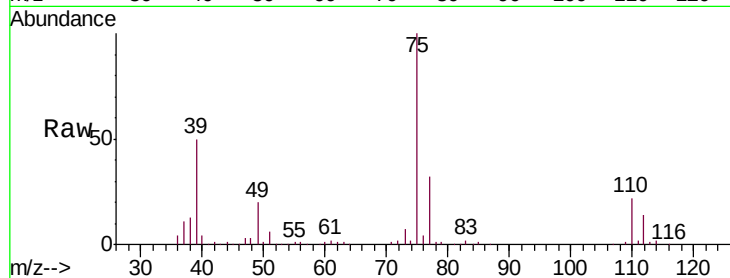


#39

cis-1,3-Dichloropropene
Concen: 5.218 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :

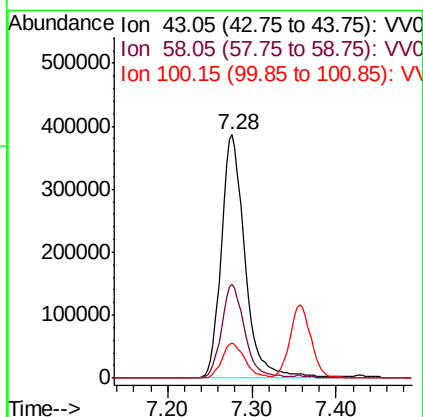
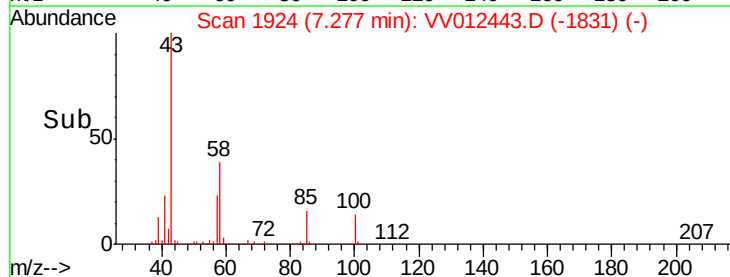
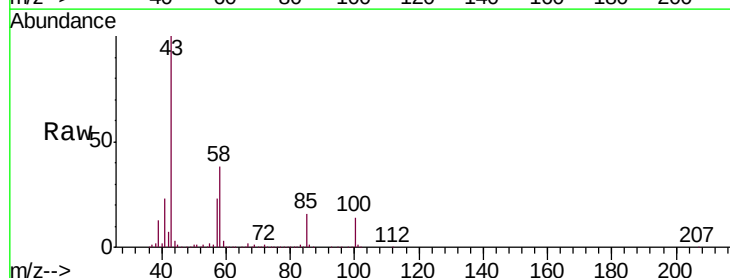
Tgt Ion: 75 Resp: 166580
Ion Ratio Lower Upper
75 100
77 31.9 21.8 40.6

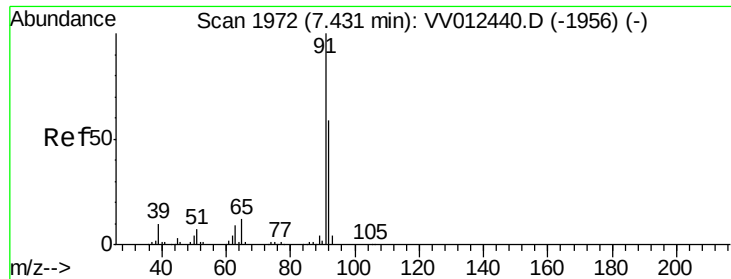


#40

4-Methyl-2-pentanone
Concen: 54.091 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 43 Resp: 756367
Ion Ratio Lower Upper
43 100
58 37.6 29.7 44.5
100 14.0 10.8 16.2





#42

Toluene

Concen: 5.261 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

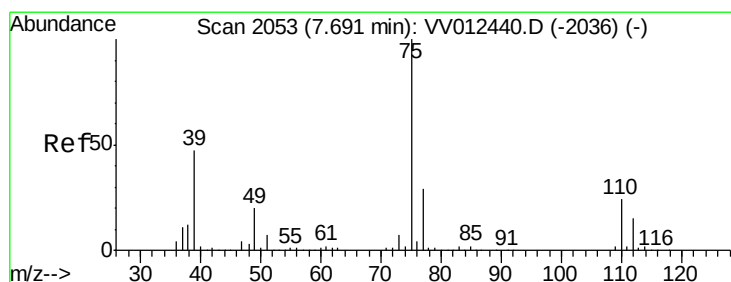
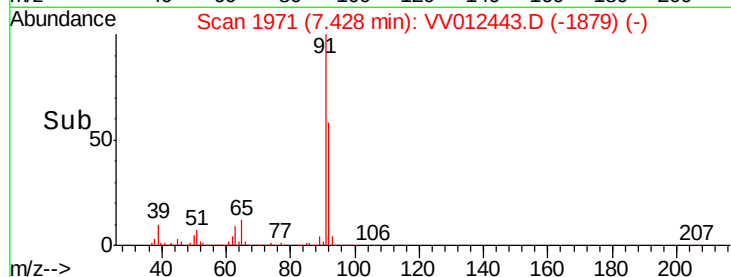
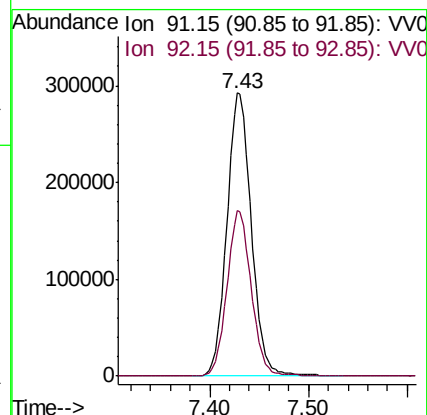
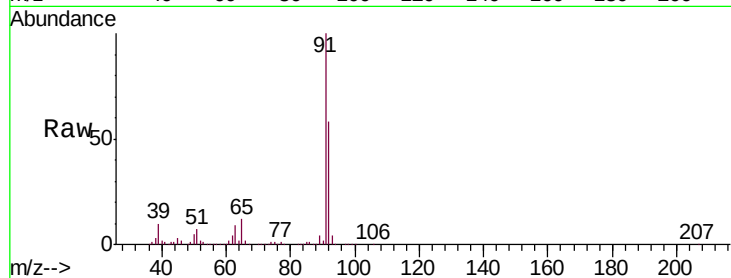
Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 91 Resp: 509468

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.114 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012443.D

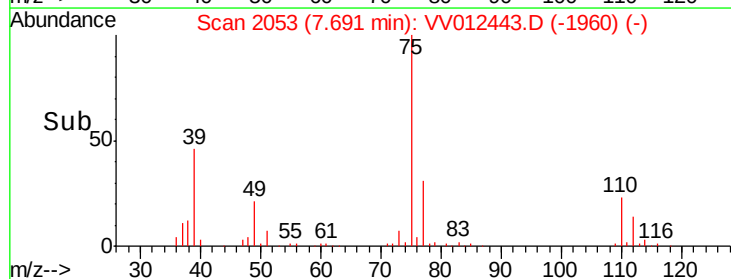
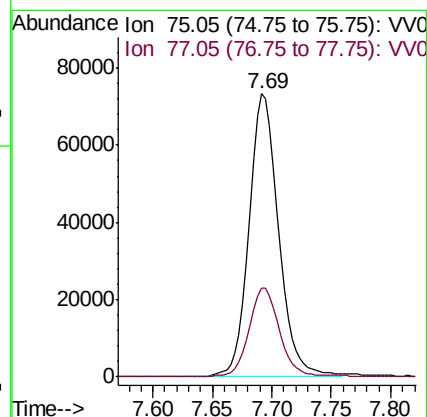
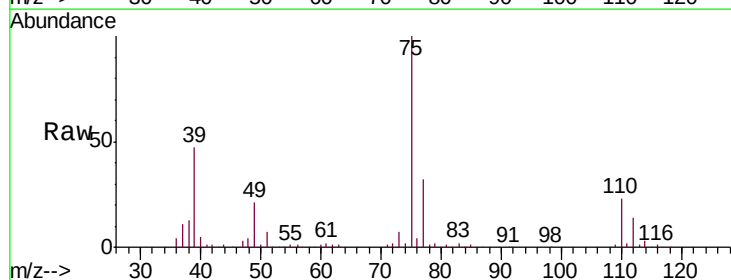
Acq: 29 Aug 2019 21:03

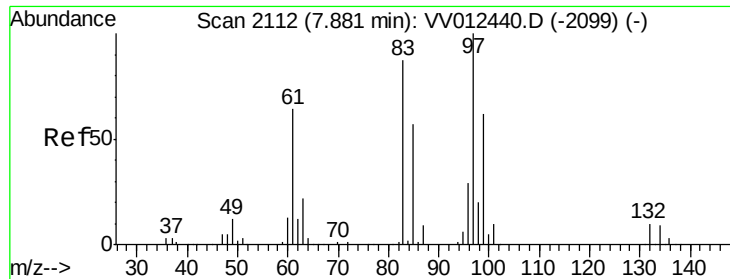
Tgt Ion: 75 Resp: 126817

Ion Ratio Lower Upper

75 100

77 31.6 20.6 38.4

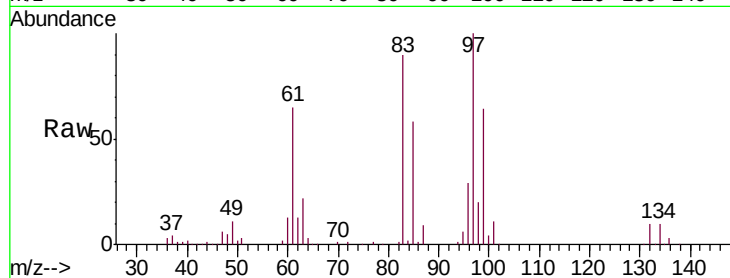




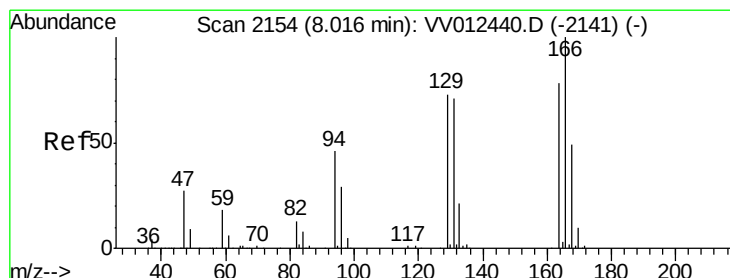
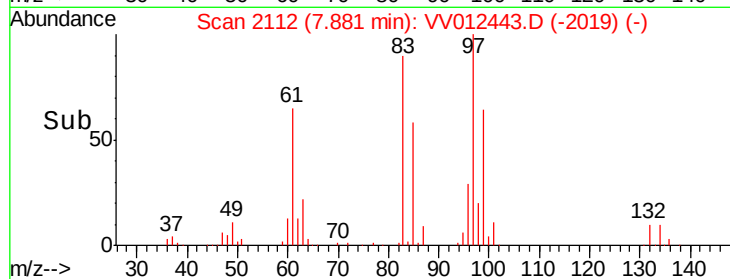
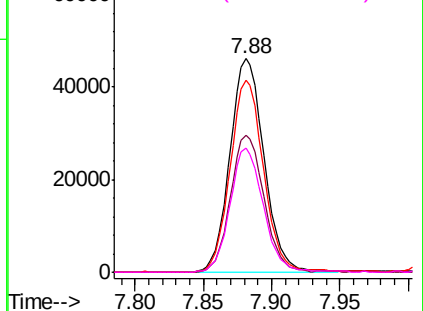
#45
 1,1,2-Trichloroethane
 Concen: 4.906 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:	97	Resp:	80297
Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.3	80.3
83	90.0	61.2	113.6
85	58.2	40.0	74.4

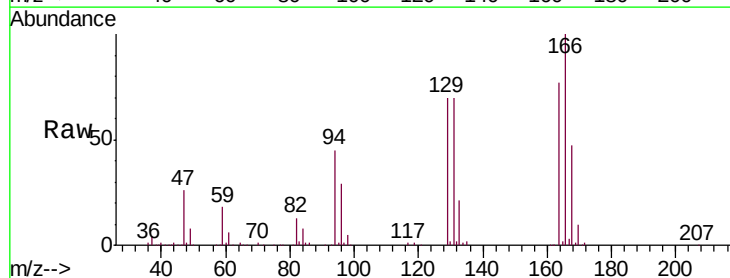


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

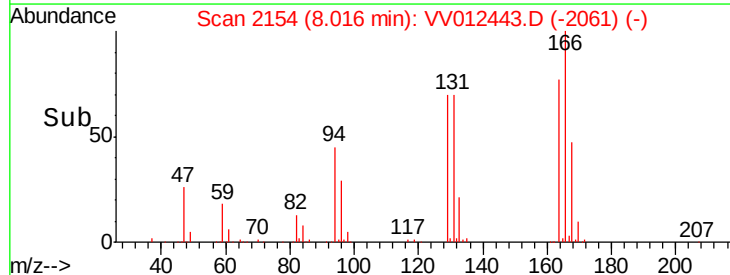
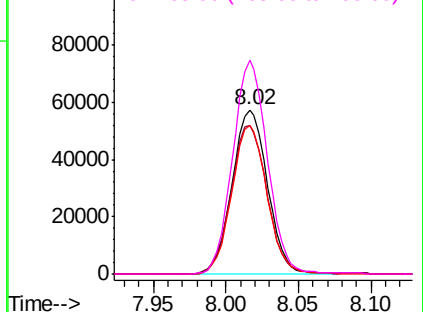


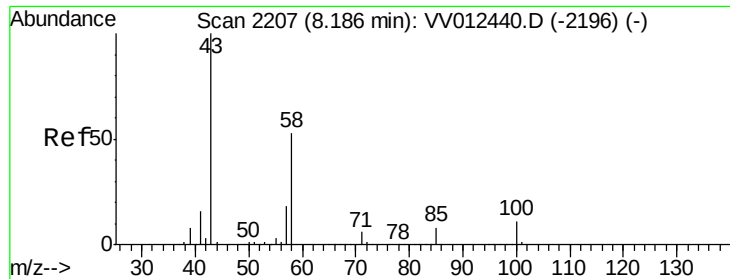
#47
 Tetrachloroethene
 Concen: 5.043 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

Tgt Ion:	164	Resp:	97308
Ion	Ratio	Lower	Upper
164	100		
129	90.7	65.6	121.8
131	90.7	63.3	117.5
166	129.9	89.4	166.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

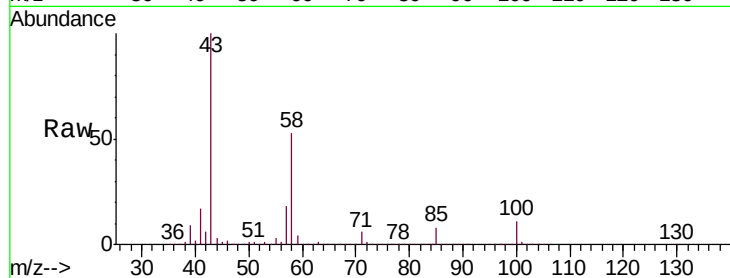




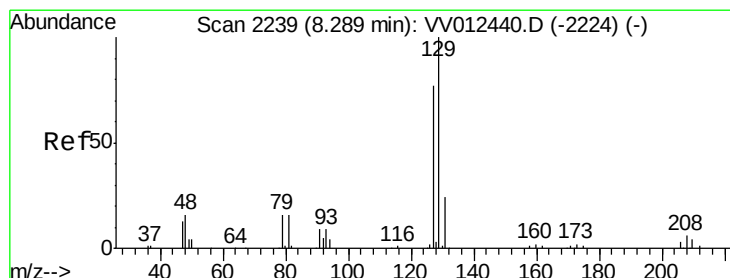
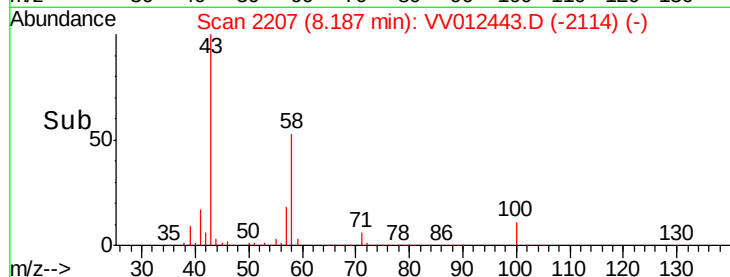
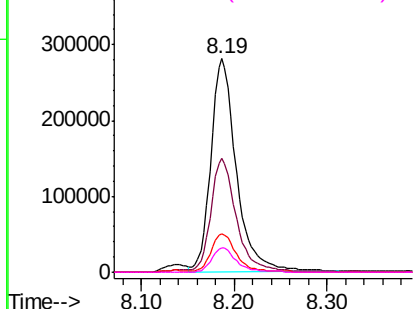
#48
2-Hexanone
Concen: 55.970 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 533039
Ion Ratio Lower Upper
43 100
58 55.0 43.6 65.4
57 17.6 14.2 21.2
100 11.1 8.9 13.3

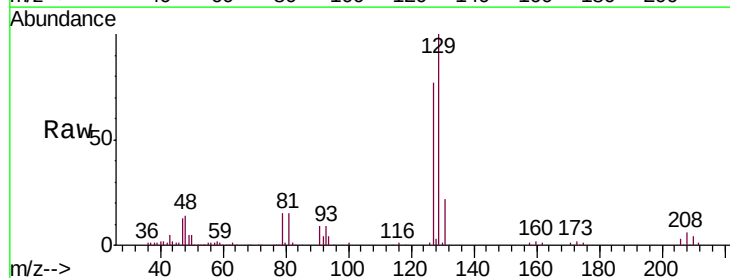


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

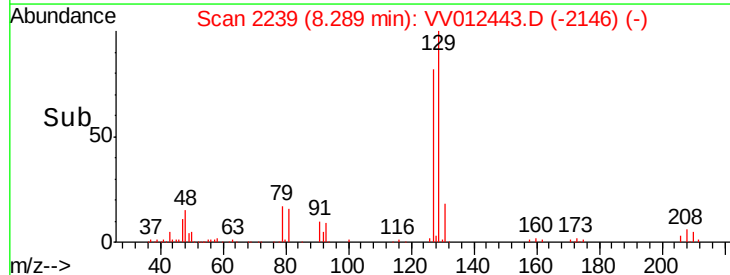
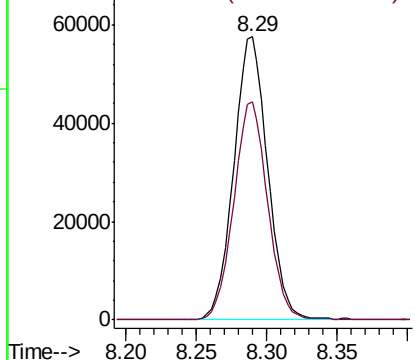


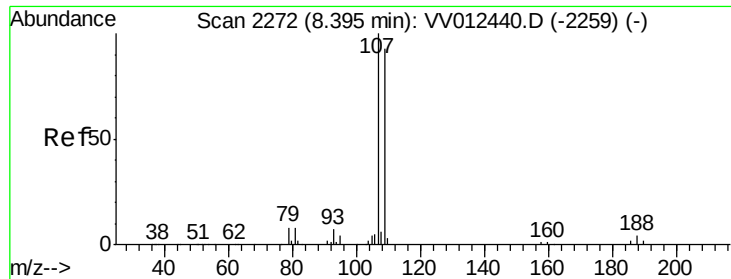
#49
Dibromochloromethane
Concen: 5.139 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 129 Resp: 96850
Ion Ratio Lower Upper
129 100
127 77.2 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

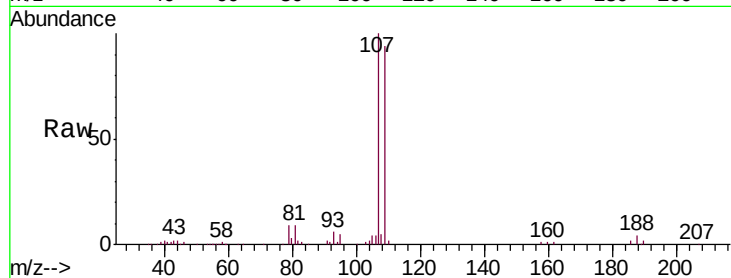




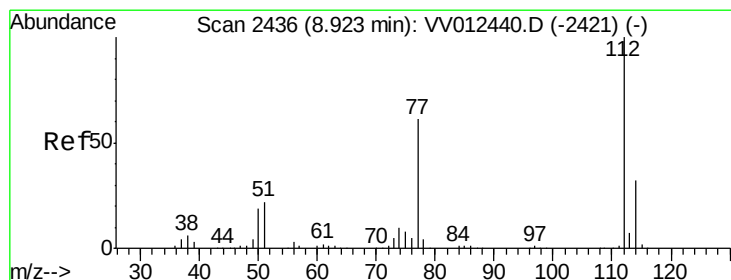
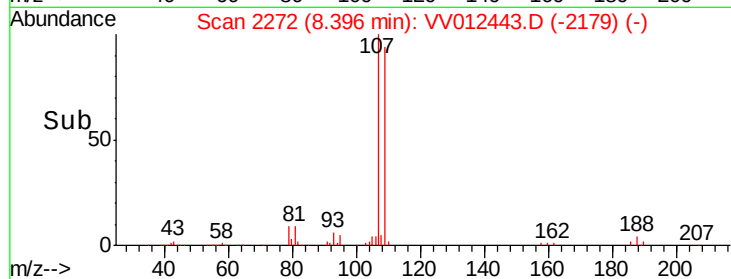
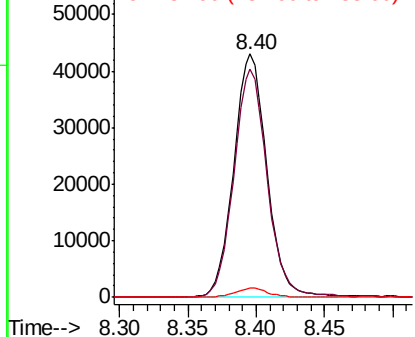
#50
1,2-Dibromoethane
Concen: 5.026 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion:107 Resp: 72653
Ion Ratio Lower Upper
107 100
109 93.8 65.0 120.8
188 3.6 2.8 4.2

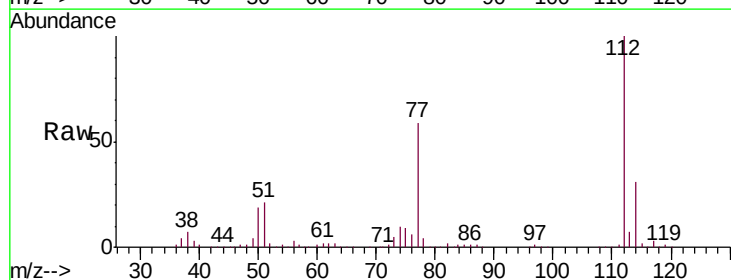


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

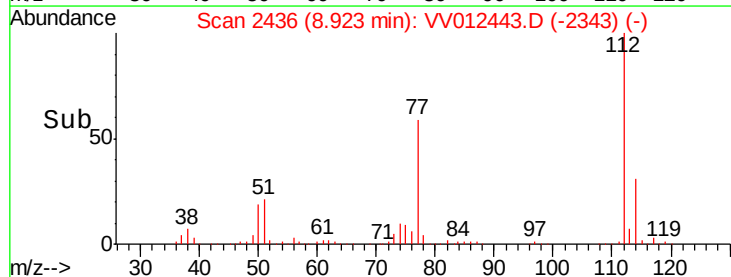
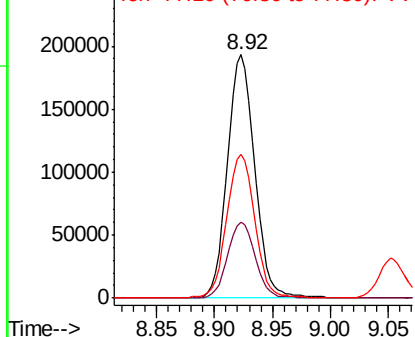


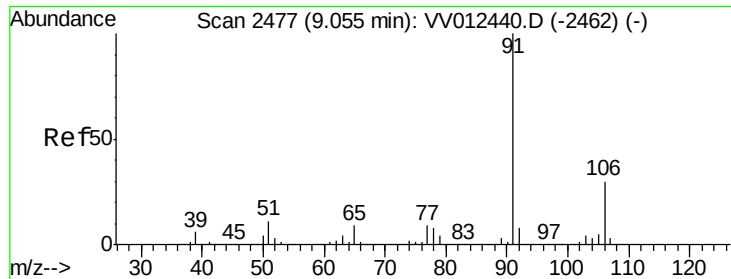
#51
Chlorobenzene
Concen: 5.128 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion:112 Resp: 314658
Ion Ratio Lower Upper
112 100
114 30.9 22.7 42.3
77 59.3 49.0 73.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0

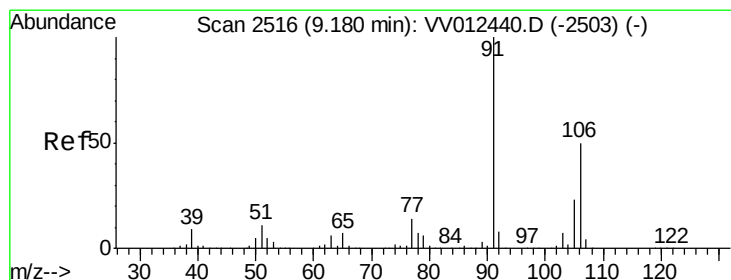
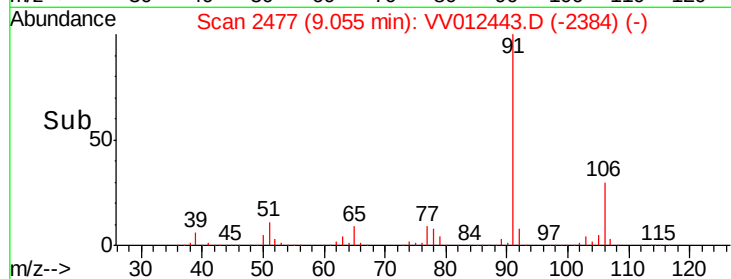
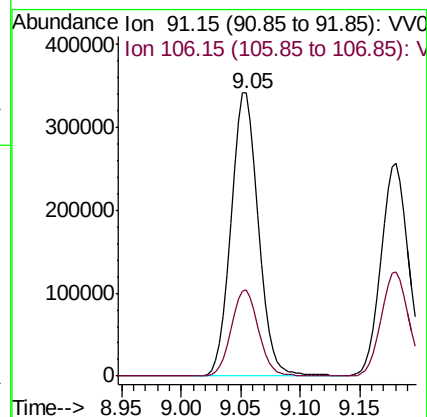
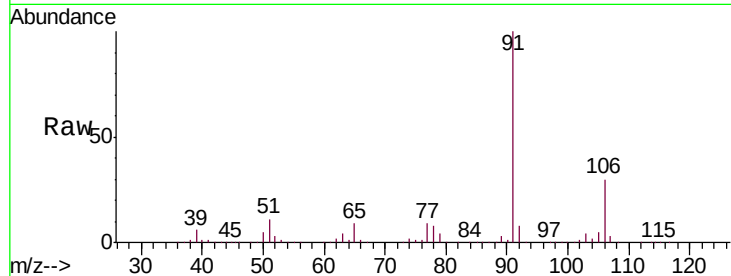




#52
Ethylbenzene
Concen: 5.321 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

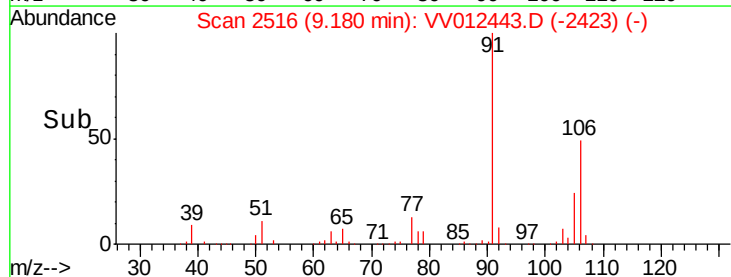
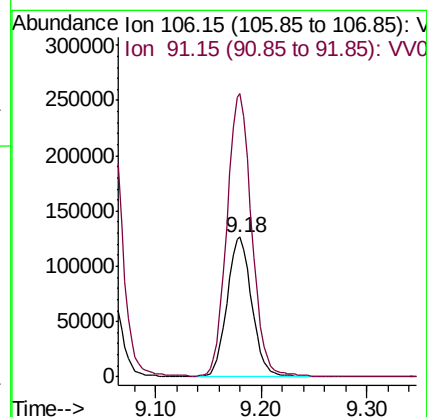
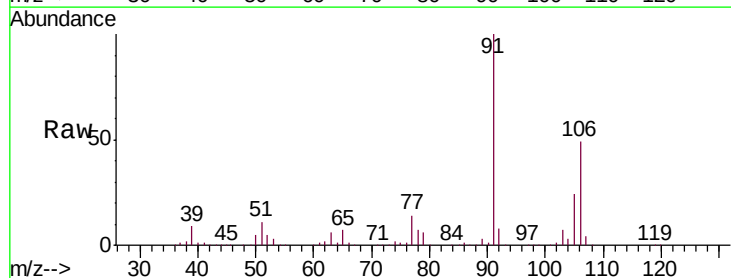
Instrument :
MSVOA_V
ClientSampleId :

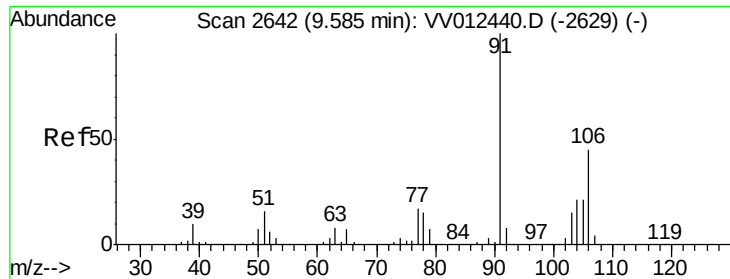
Tgt Ion: 91 Resp: 544565
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-xylene
Concen: 5.461 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012443.D
Acq: 29 Aug 2019 21:03

Tgt Ion: 106 Resp: 204868
Ion Ratio Lower Upper
106 100
91 202.8 141.3 262.3





#54

o-xylene

Concen: 5.341 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

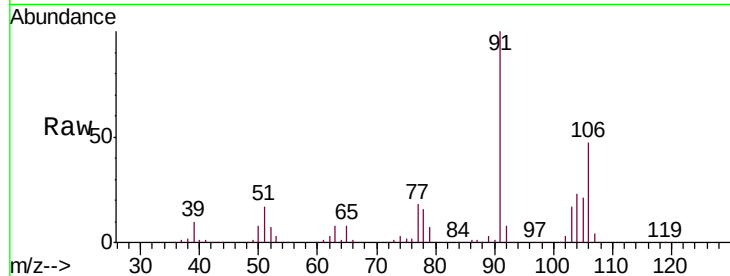
Instrument :
MSVOA_V
ClientSampled :

Tgt Ion:106 Resp: 195634

Ion Ratio Lower Upper

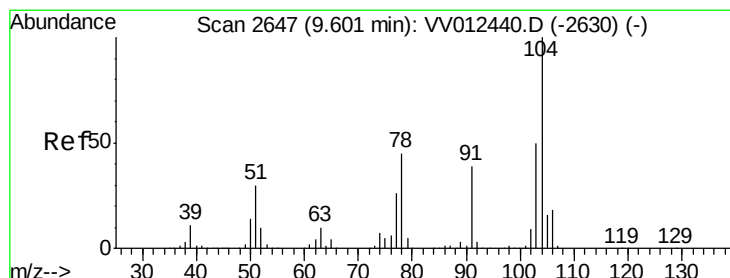
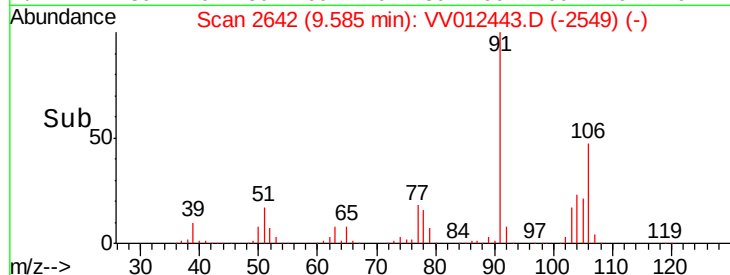
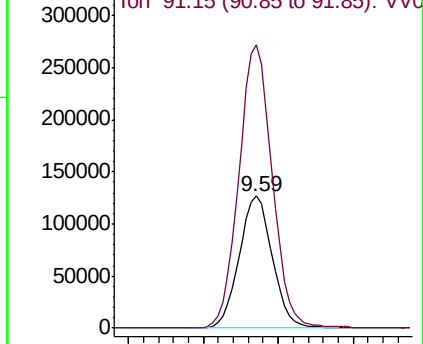
106 100

91 213.9 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.548 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012443.D

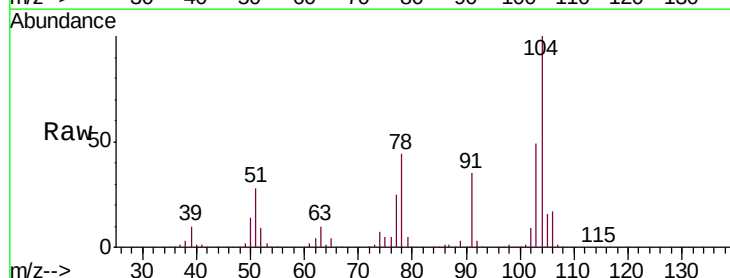
Acq: 29 Aug 2019 21:03

Tgt Ion:104 Resp: 341098

Ion Ratio Lower Upper

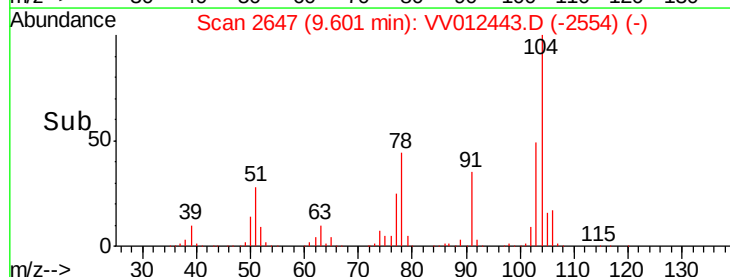
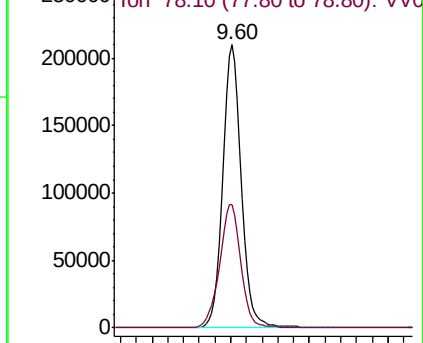
104 100

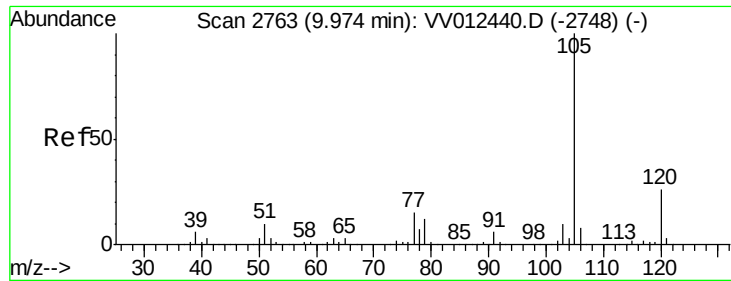
78 43.7 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.471 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

Instrument :

MSVOA_V

ClientSampleId :

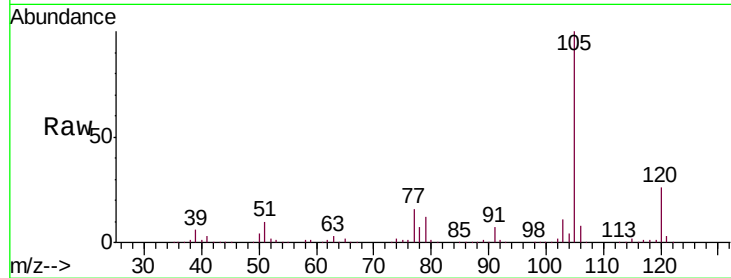
Tgt Ion: 105 Resp: 527615

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

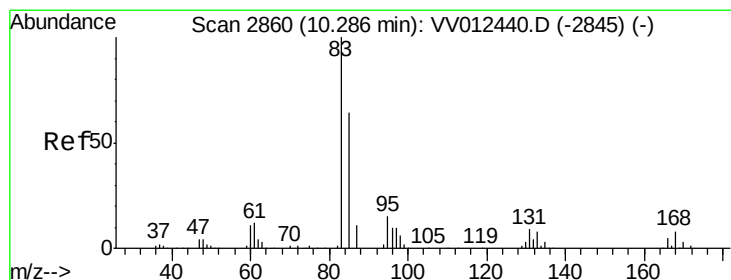
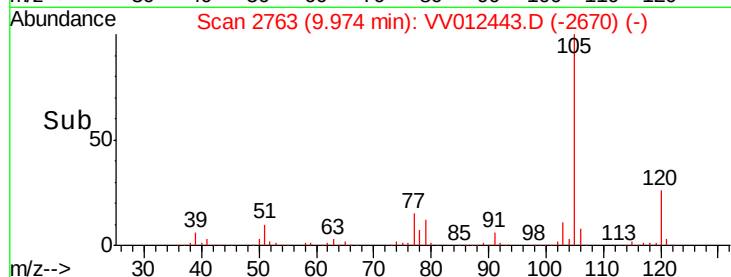
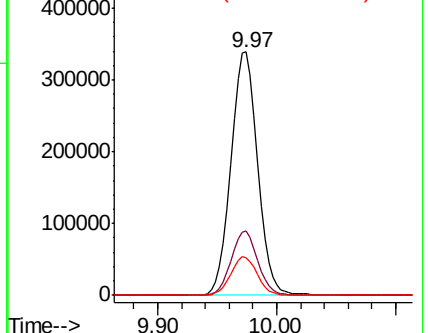
77 15.8 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.892 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

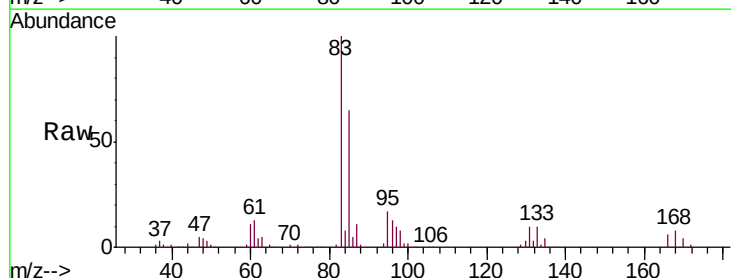
Tgt Ion: 83 Resp: 94182

Ion Ratio Lower Upper

83 100

85 64.8 45.0 83.6

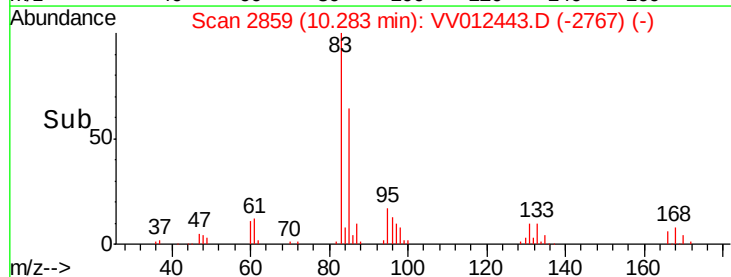
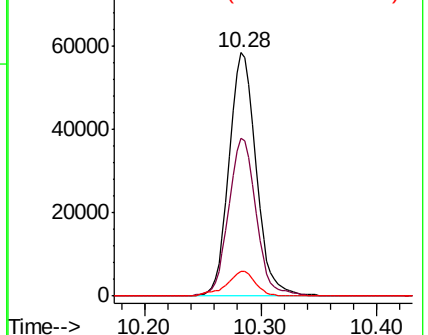
131 10.0 7.4 11.2

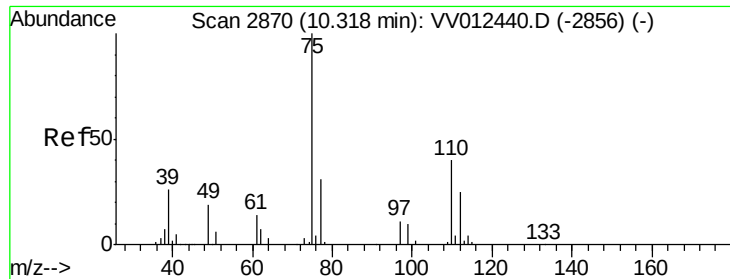


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

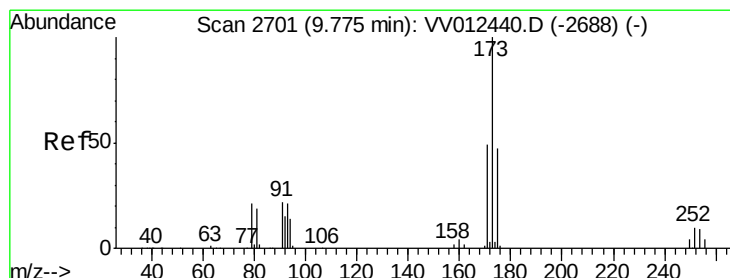
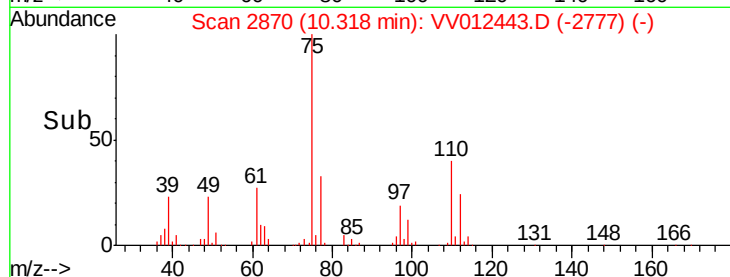
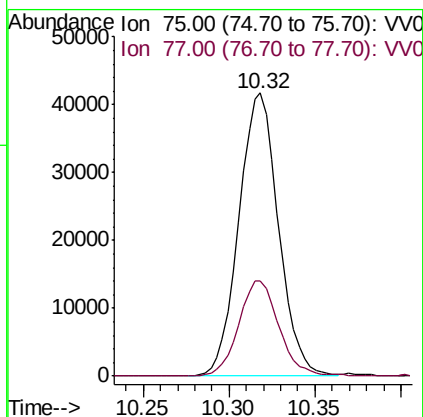
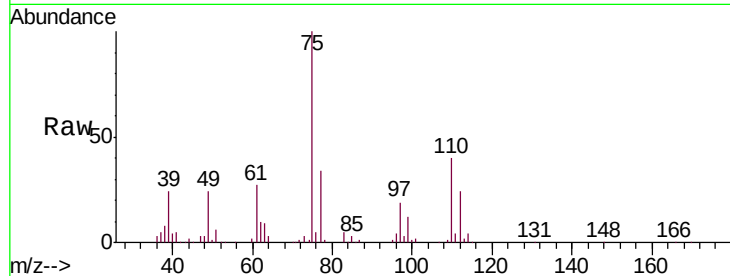




#59
 1,2,3-Trichloropropane
 Concen: 4.879 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

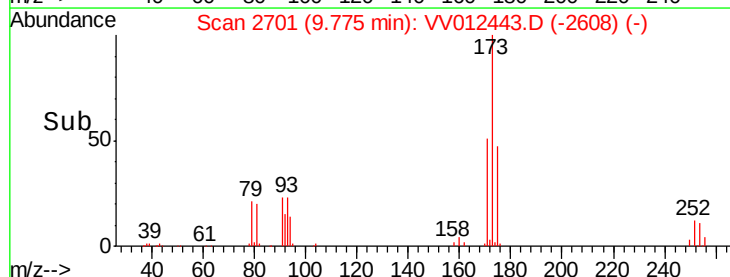
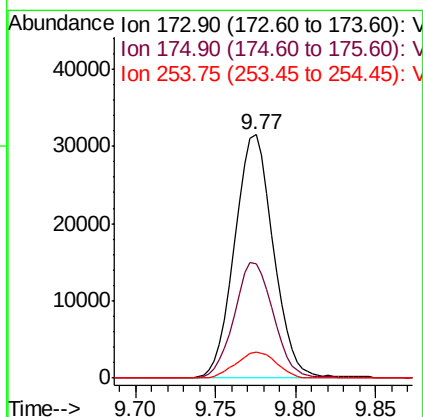
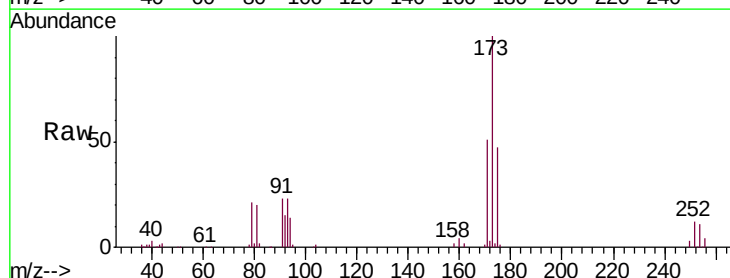
Instrument :
 MSVOA_V
 ClientSampled :

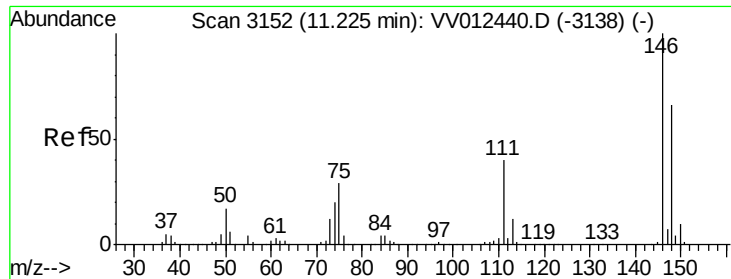
Tgt Ion: 75 Resp: 66866
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.2 37.8



#61
 Bromoform
 Concen: 5.111 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

Tgt Ion: 173 Resp: 51937
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.0 58.6
 254 11.2 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 5.299 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

Instrument :

MSVOA_V

ClientSampleId :

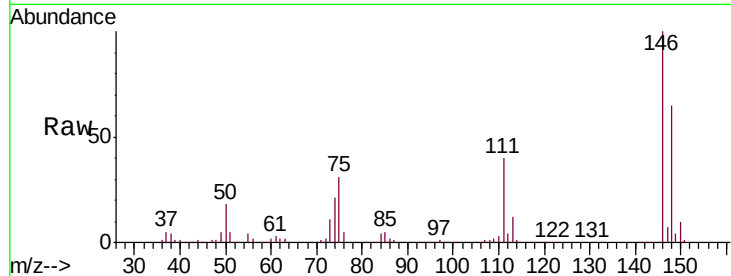
Tgt Ion:146 Resp: 242305

Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.4

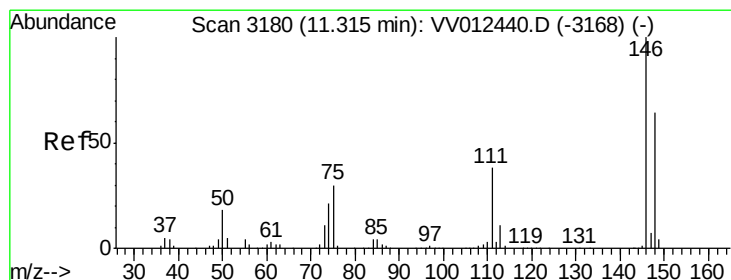
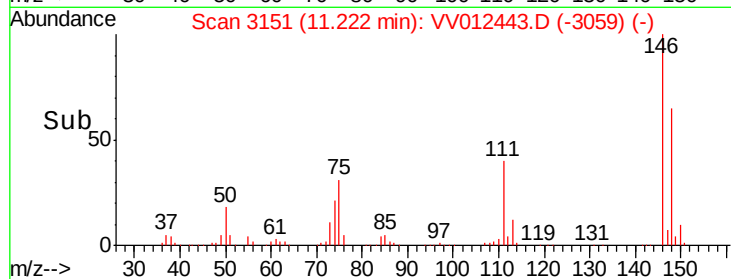
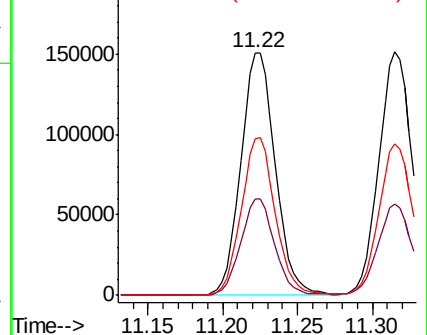
148 64.6 45.8 85.2



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



#63

1,4-Dichlorobenzene

Concen: 5.241 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

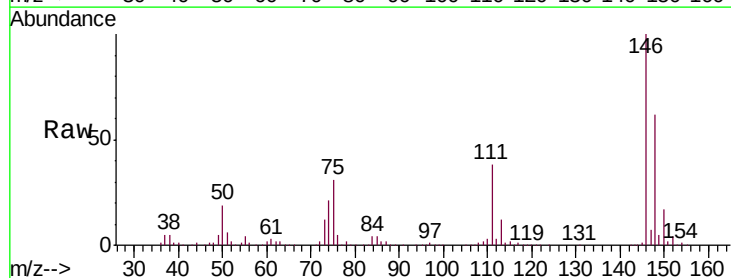
Tgt Ion:146 Resp: 240122

Ion Ratio Lower Upper

146 100

111 37.8 26.8 49.8

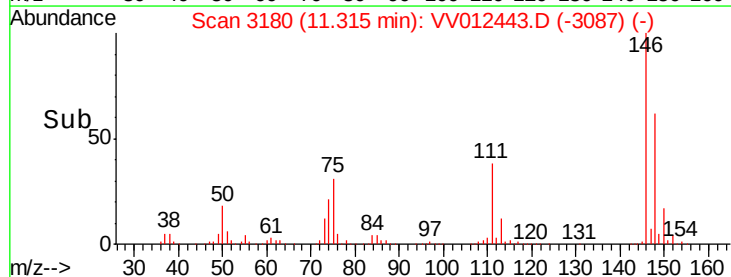
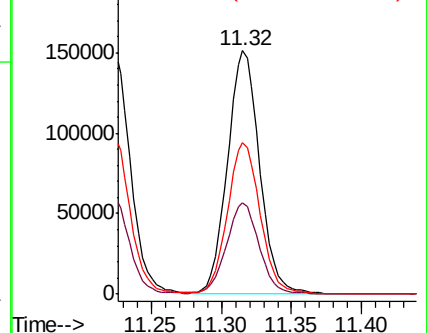
148 62.4 44.5 82.7

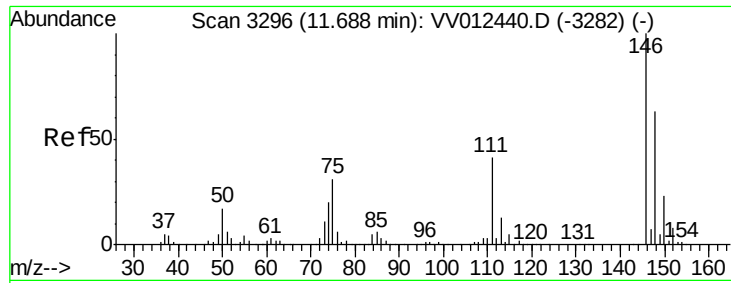


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

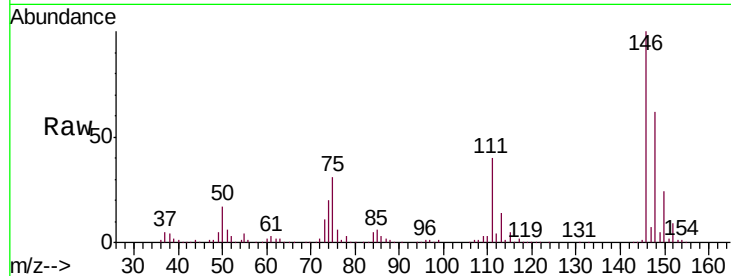




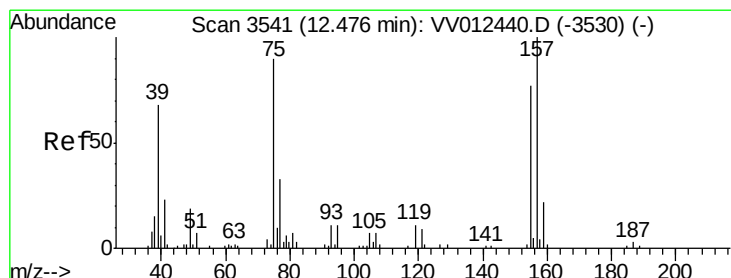
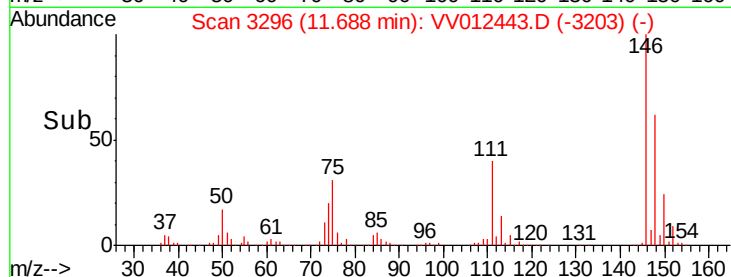
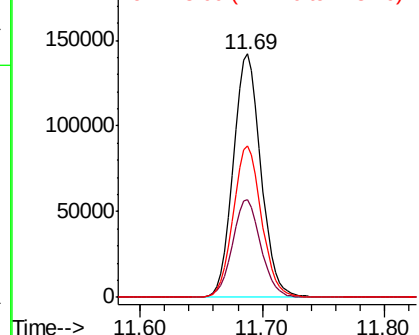
#65
 1,2-Dichlorobenzene
 Concen: 5.230 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 146 Resp: 225492
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.5 48.7
 148 62.4 50.2 75.4

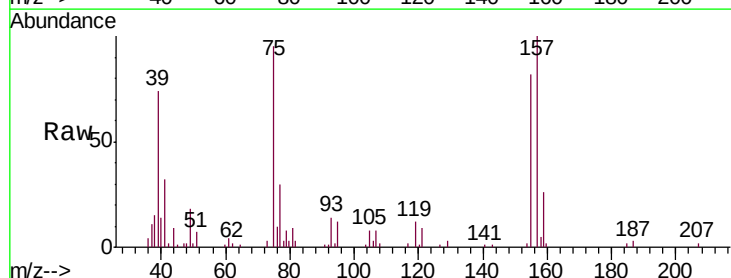


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

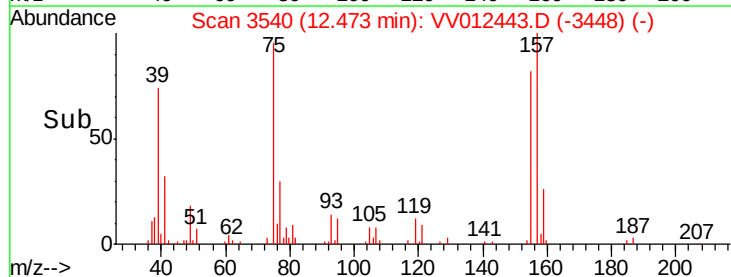
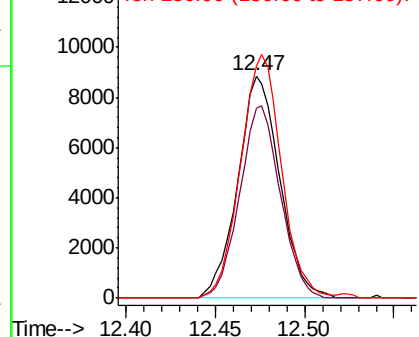


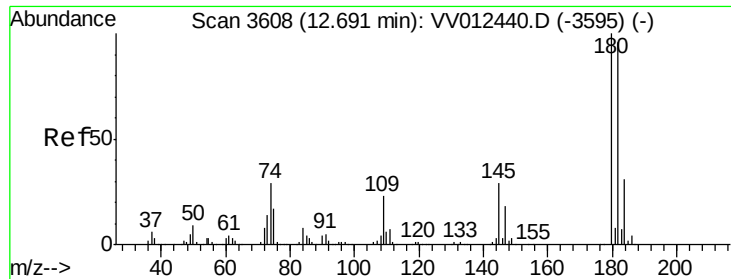
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.023 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012443.D
 Acq: 29 Aug 2019 21:03

Tgt Ion: 75 Resp: 14578
 Ion Ratio Lower Upper
 75 100
 155 85.7 68.6 102.8
 157 104.8 88.6 133.0



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: 5.379 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV012443.D

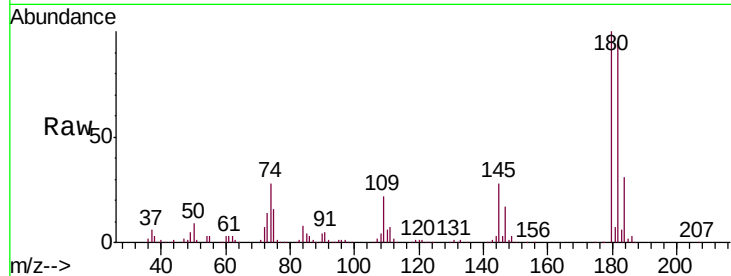
Acq: 29 Aug 2019 21:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	180	Resp:	183491
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.6	115.0
184	30.0	24.8	37.2
145	27.9	22.8	34.2



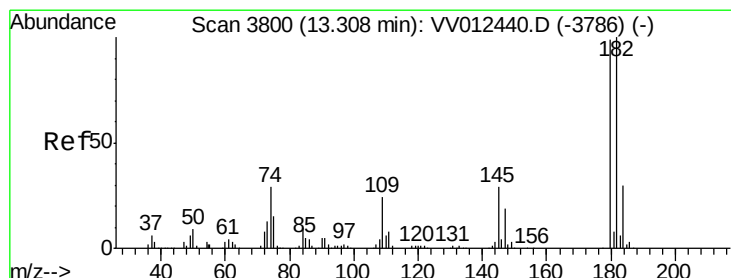
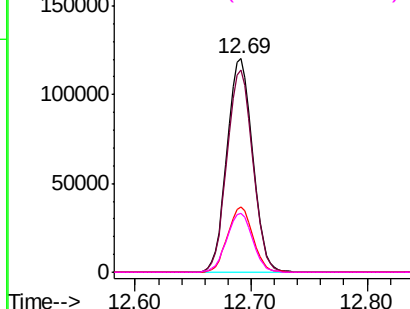
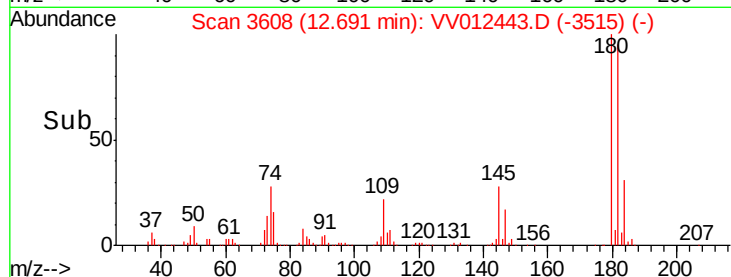
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 5.451 ug/L

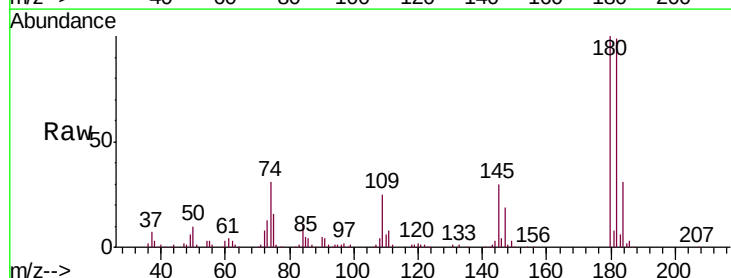
RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

Tgt Ion:	180	Resp:	136341
Ion	Ratio	Lower	Upper
180	100		
182	97.4	78.1	117.1
145	30.3	23.4	35.0

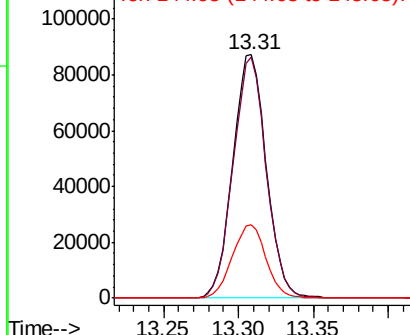
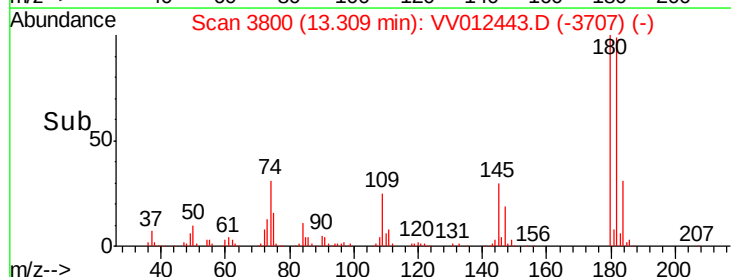


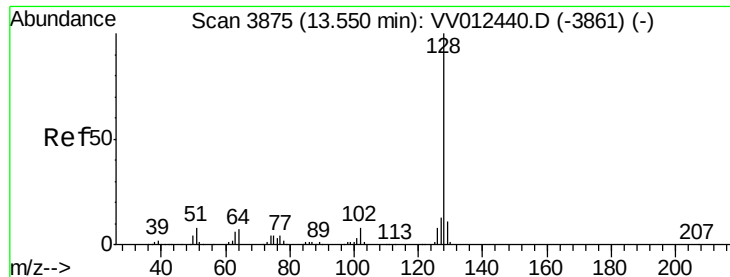
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.757 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

Instrument :

MSVOA_V

ClientSampleId :

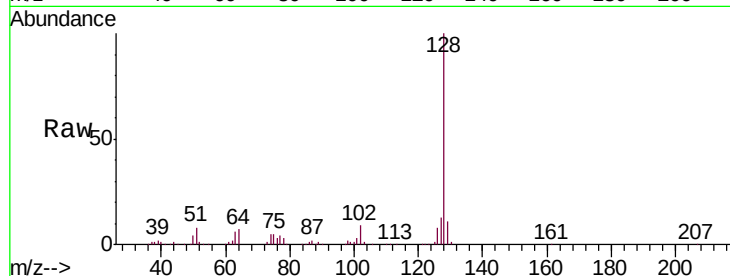
Tgt Ion:128 Resp: 208392

Ion Ratio Lower Upper

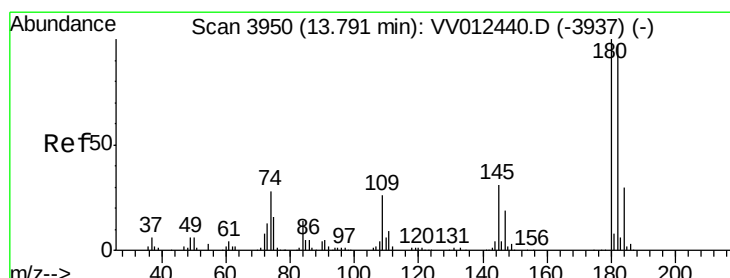
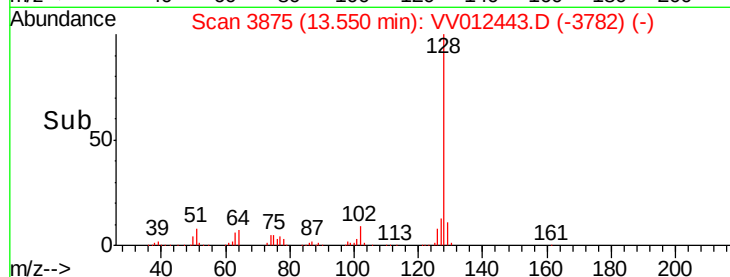
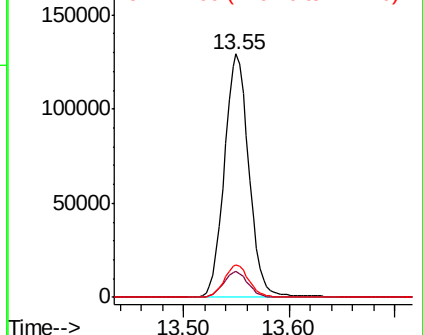
128 100

129 10.6 8.6 13.0

127 13.2 10.7 16.1



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: 5.565 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012443.D

Acq: 29 Aug 2019 21:03

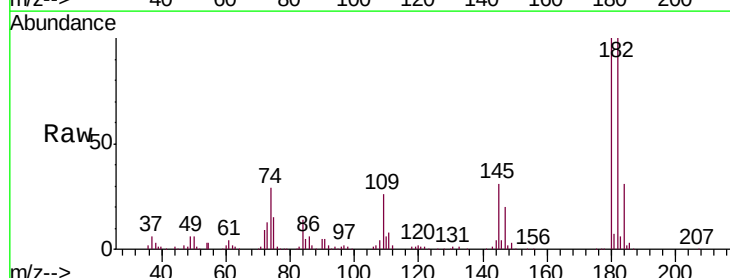
Tgt Ion:180 Resp: 133721

Ion Ratio Lower Upper

180 100

182 97.3 77.5 116.3

145 31.6 25.0 37.6



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

