

Data File : VU033807.D
Acq On : 15 Aug 2019 13:50
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Quant Time: Aug 16 01:13:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 01:09:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	181006	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	186699	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	105211	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	77456	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.67	69	66415	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.26	65	36758	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.19	46	189288	47.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.64%
24) Chloroform-d	4.62	84	131042	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.29	65	67890	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
32) Benzene-d6	5.32	84	244329	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.31	67	78109	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.55	98	227911	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	7.83	79	32010	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.30	63	142799	49.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.56%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	72113	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
66) 1,2-Dichlorobenzene-d4	11.84	152	90607	4.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	124714	4.753 ug/L	99
3) Chloromethane	1.32	50	126156	4.633 ug/L	97
5) Vinyl chloride	1.39	62	140822	4.743 ug/L	99
6) Bromomethane	1.62	94	81778	4.733 ug/L	99
8) Chloroethane	1.69	64	82335	4.695 ug/L	97
9) Trichlorofluoromethane	1.88	101	191250	4.702 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	107086	4.961 ug/L	98
12) 1,1-Dichloroethene	2.27	96	101573	4.870 ug/L	95
13) Acetone	2.35	43	201580	47.785 ug/L #	49
14) Carbon disulfide	2.46	76	330511	4.666 ug/L	100
15) Methyl Acetate	2.61	43	51267	4.675 ug/L	96
16) Methylene chloride	2.68	84	112685	4.628 ug/L	99
17) Methyl tert-butyl Ether	2.99	73	261027	4.834 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	106072	4.736 ug/L	99
19) 1,1-Dichloroethane	3.42	63	167787	4.792 ug/L	99
21) 2-Butanone	4.27	43	254635	48.754 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	90769	4.750 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	44825	4.893	ug/L	91
25) Chloroform	4.65	83	174044	4.618	ug/L	100
27) 1,2-Dichloroethane	5.38	62	112562	4.847	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	145244	4.780	ug/L	99
30) Cyclohexane	4.97	56	126603	4.604	ug/L	98
31) Carbon tetrachloride	5.11	117	131778	4.875	ug/L	99
33) Benzene	5.37	78	366163	4.903	ug/L	100
34) Trichloroethene	6.16	95	94874	4.844	ug/L	99
35) Methylcyclohexane	6.39	83	136151	4.637	ug/L	99
37) 1,2-Dichloropropane	6.41	63	97885	4.851	ug/L	100
38) Bromodichloromethane	6.74	83	121098	4.759	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	129145	4.743	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	581334	49.854	ug/L	99
42) Toluene	7.62	91	400617	5.105	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	108957	4.786	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	70021	4.856	ug/L	99
47) Tetrachloroethene	8.21	164	77477	4.746	ug/L	99
48) 2-Hexanone	8.35	43	438466	51.994	ug/L	99
49) Dibromochloromethane	8.46	129	85673	4.900	ug/L	99
50) 1,2-Dibromoethane	8.57	107	68891	4.942	ug/L	98
51) Chlorobenzene	9.10	112	245451	4.859	ug/L	99
52) Ethylbenzene	9.23	91	397515	4.895	ug/L	99
53) m,p-Xylene	9.36	106	154364	5.041	ug/L	98
54) o-Xylene	9.76	106	150650	5.181	ug/L	99
55) Styrene	9.77	104	263294	5.218	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	90158	4.760	ug/L	96
59) Isopropylbenzene	10.15	105	391250	4.878	ug/L	99
60) Bromoform	9.94	173	50668	4.714	ug/L	95
61) 1,2,3-Trichloropropane	10.48	75	64164	4.592	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	314101	4.826	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	314803	4.847	ug/L	98
64) 1,3-Dichlorobenzene	11.40	146	207256	4.832	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	208535	4.722	ug/L	98
67) 1,2-Dichlorobenzene	11.86	146	197888	4.778	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	14249	4.672	ug/L	96
69) 1,3,5-Trichlorobenzene	12.87	180	161235	4.779	ug/L	98
70) 1,2,4-trichlorobenzene	13.49	180	124749	4.751	ug/L	100
71) Naphthalene	13.73	128	191283	4.731	ug/L	98
72) 1,2,3-Trichlorobenzene	13.97	180	125657	5.078	ug/L	100

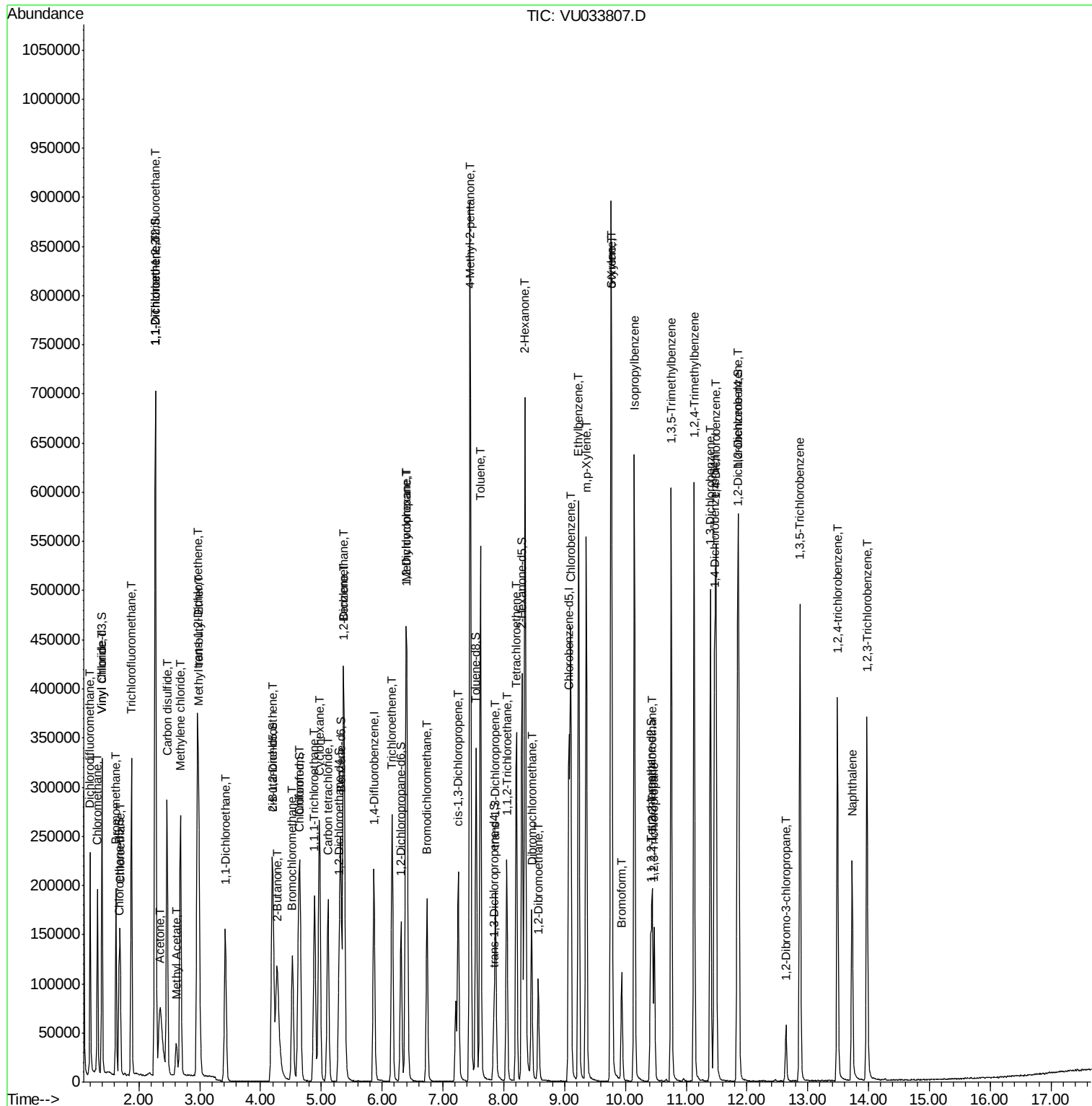
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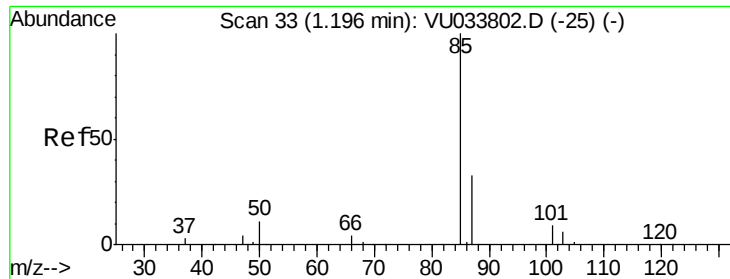
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#2

Dichlorodifluoromethane

Concen: 4.753 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

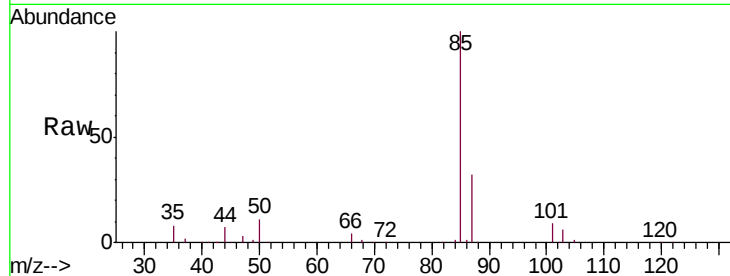
VSTD00509

Tgt Ion: 85 Resp: 124714

Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033807.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033807.D (-1) (-)

1.20

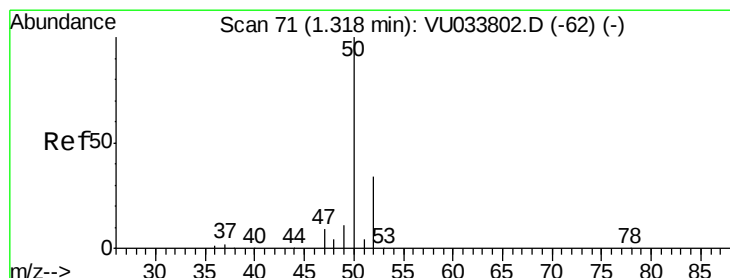
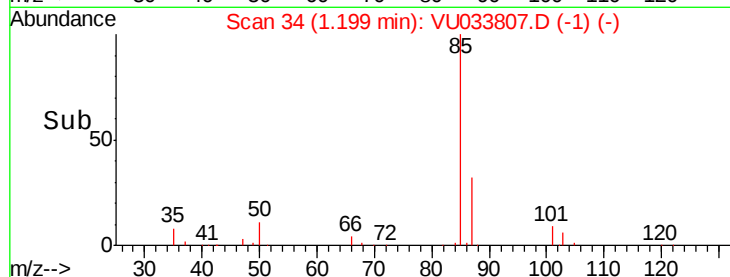
100000

50000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 4.633 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033807.D

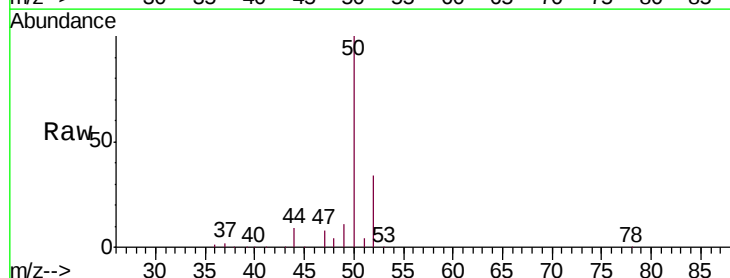
Acq: 15 Aug 2019 13:50

Tgt Ion: 50 Resp: 126156

Ion Ratio Lower Upper

50 100

52 34.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU033807.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033807.D (-1) (-)

1.32

120000

100000

80000

60000

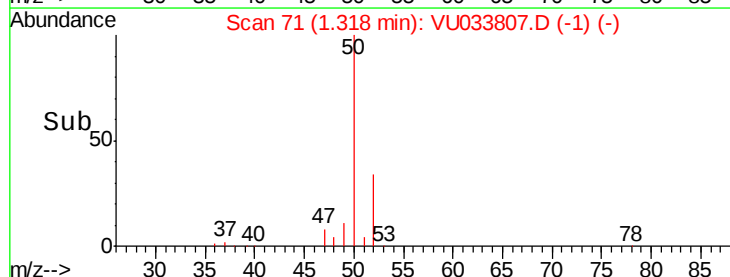
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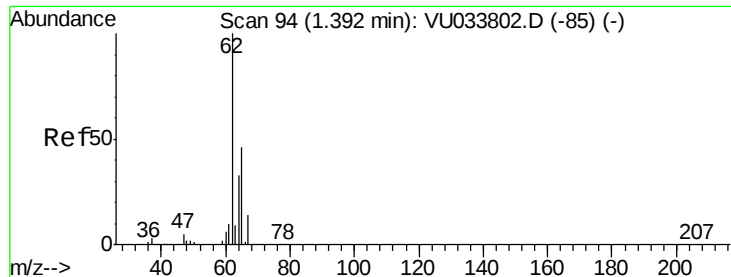
20000

0

1.25 1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 4.743 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

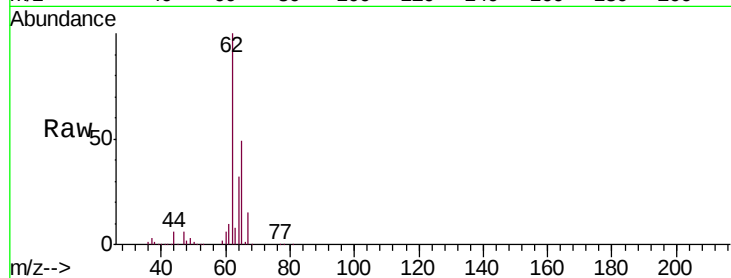
VSTD00509

Tgt Ion: 62 Resp: 140822

Ion Ratio Lower Upper

62 100

64 31.9 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VU033807.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU033807.D (-1) (-)

1.39

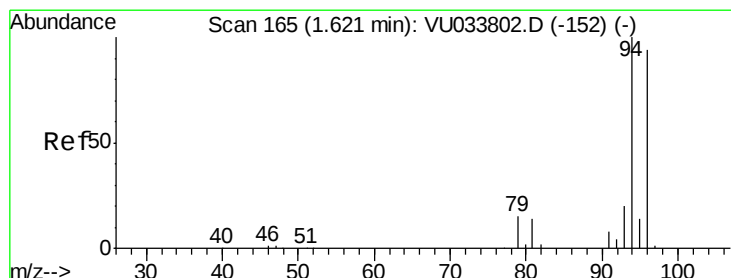
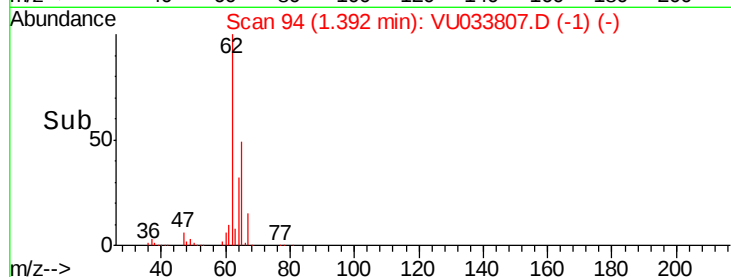
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.733 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033807.D

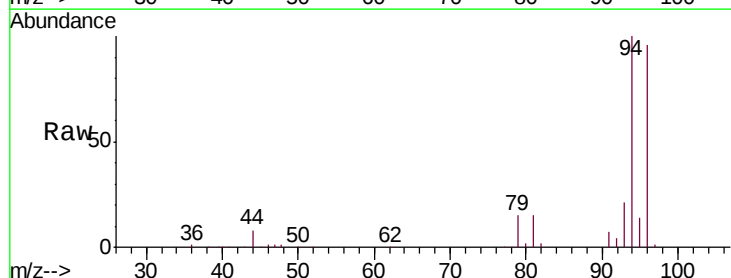
Acq: 15 Aug 2019 13:50

Tgt Ion: 94 Resp: 81778

Ion Ratio Lower Upper

94 100

96 96.1 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU033807.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU033807.D (-72) (-)

1.62

80000

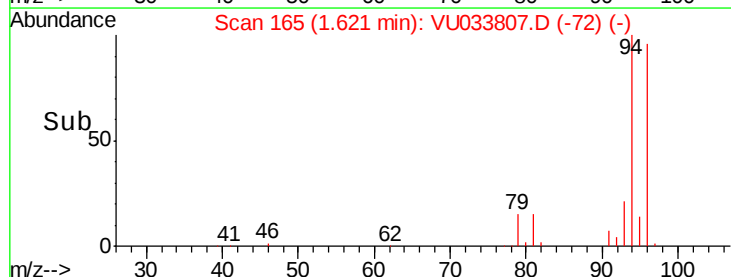
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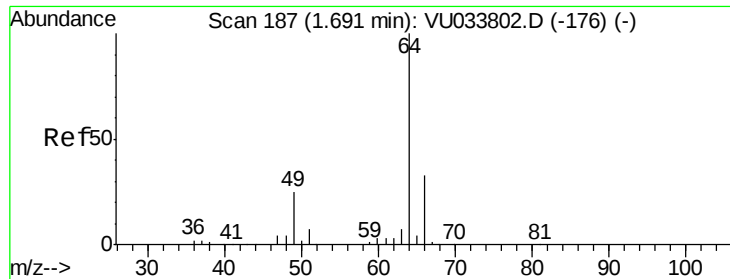
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20000

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Time-->

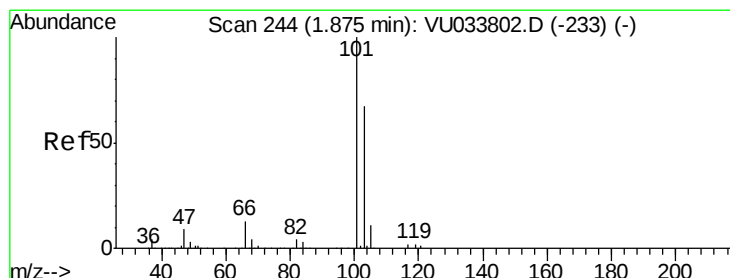
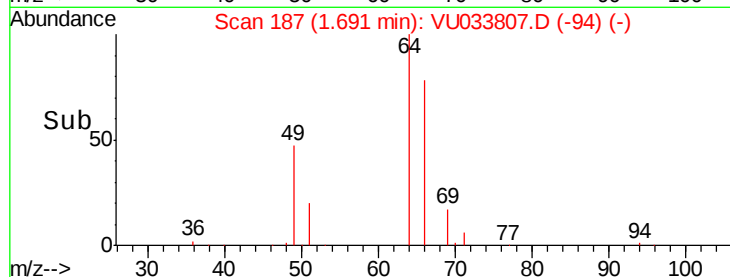
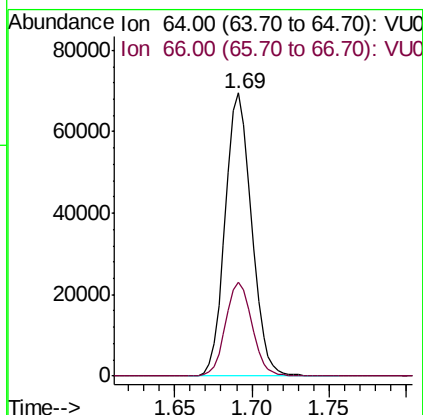
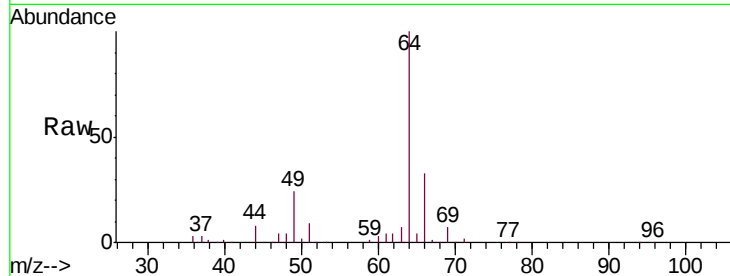




#8
Chloroethane
Concen: 4.695 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

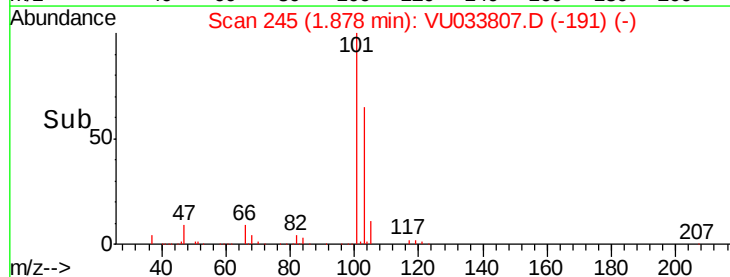
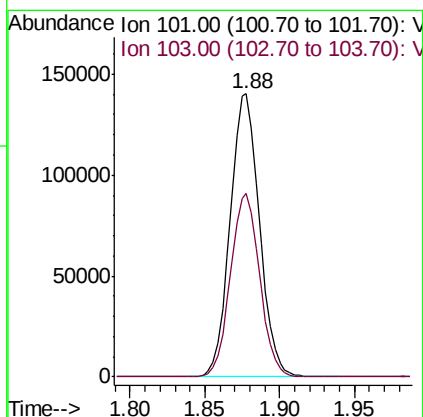
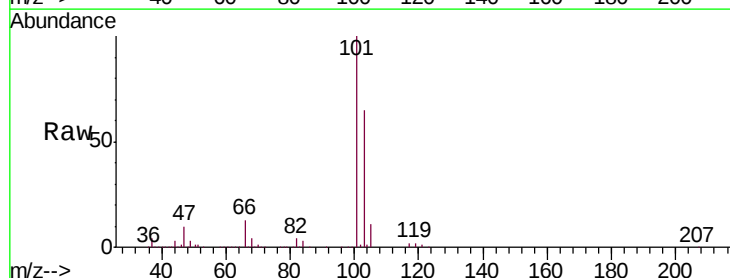
Instrument :
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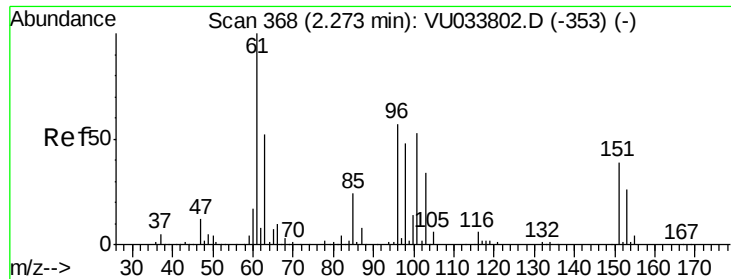
Tgt Ion: 64 Resp: 82335
Ion Ratio Lower Upper
64 100
66 33.1 21.9 40.7



#9
Trichlorofluoromethane
Concen: 4.702 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Tgt Ion: 101 Resp: 191250
Ion Ratio Lower Upper
101 100
103 64.6 52.3 78.5





#10

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

Concen: 4.961 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

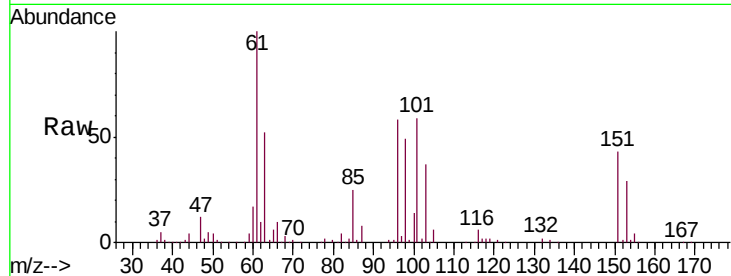
Tgt Ion: 101 Resp: 107086

Ion Ratio Lower Upper

101 100

85 43.7 36.2 54.2

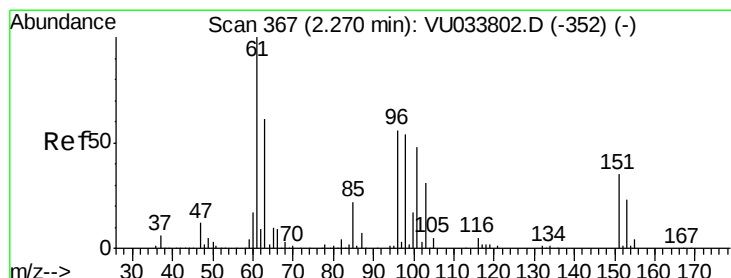
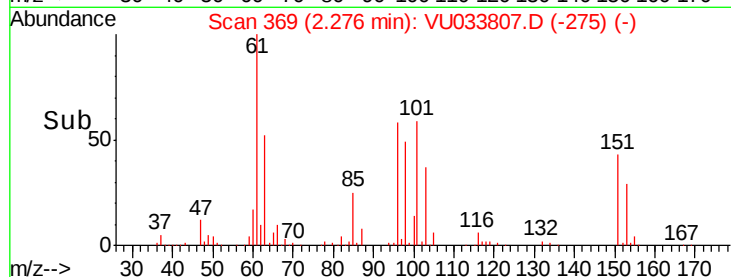
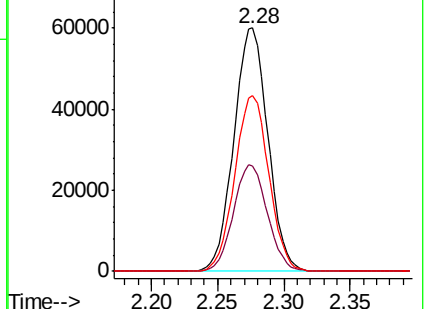
151 72.3 58.7 88.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.870 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

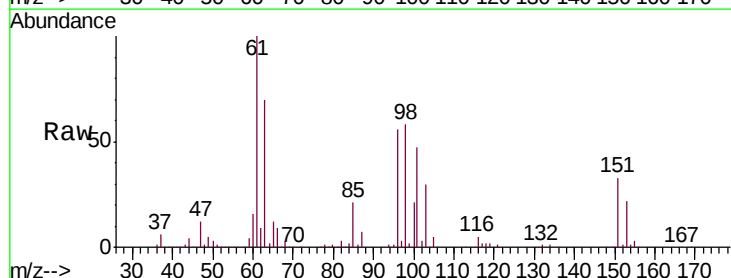
Tgt Ion: 96 Resp: 101573

Ion Ratio Lower Upper

96 100

61 177.4 123.8 230.0

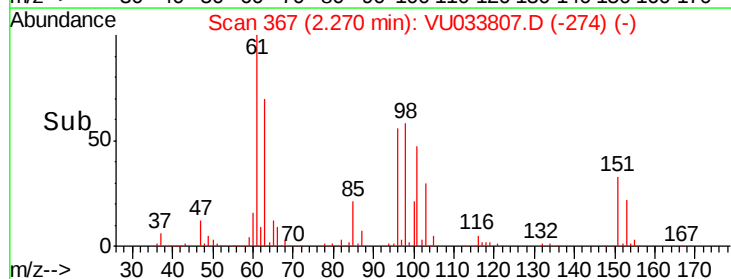
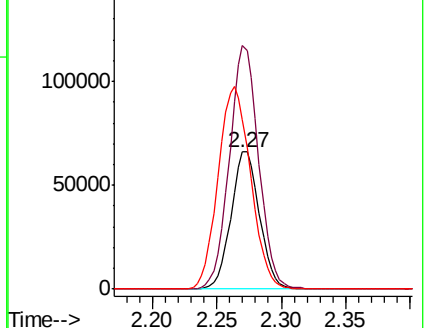
63 123.5 78.0 144.9

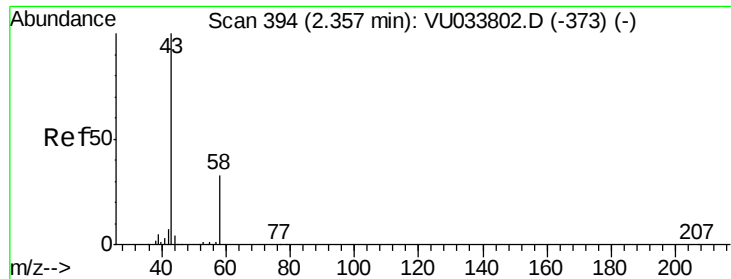


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.785 ug/L

RT: 2.35 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU033807.D

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ClientSampleId :

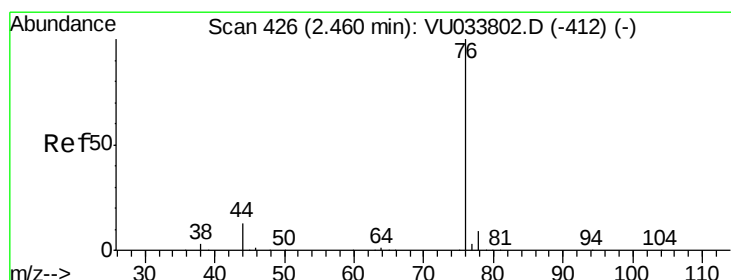
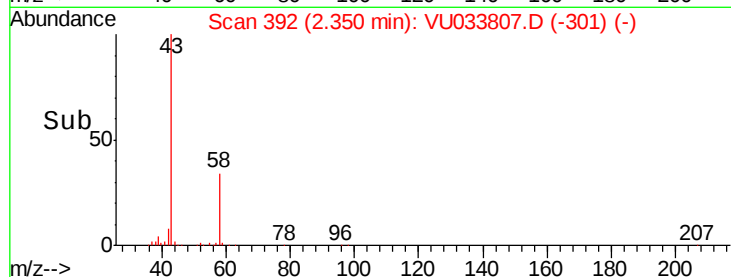
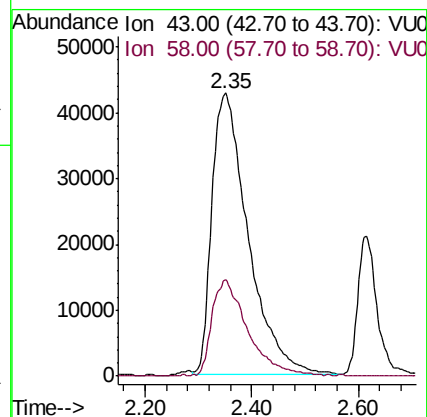
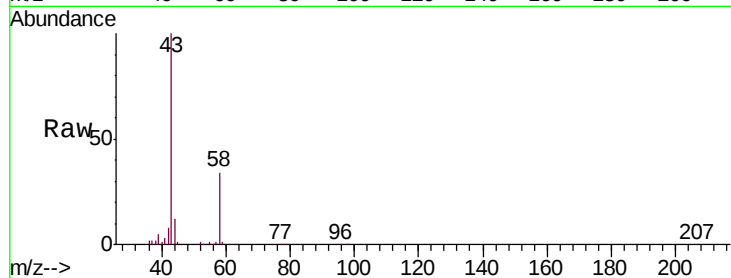
VSTD00509

Tgt Ion: 43 Resp: 201580

Ion Ratio Lower Upper

43 100

58 34.1 0.0 27.0#



#14

Carbon disulfide

Concen: 4.666 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033807.D

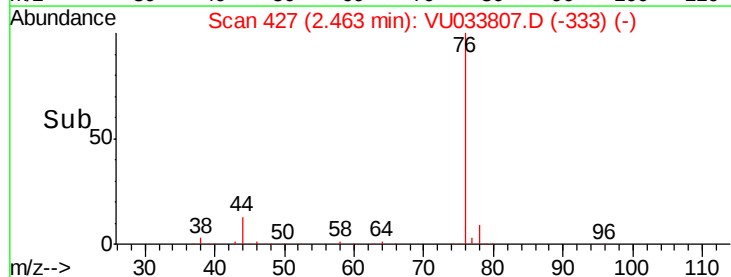
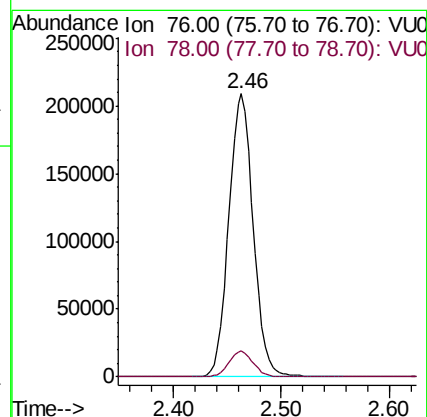
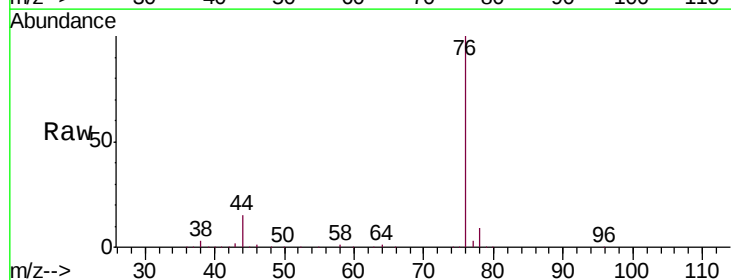
Acq: 15 Aug 2019 13:50

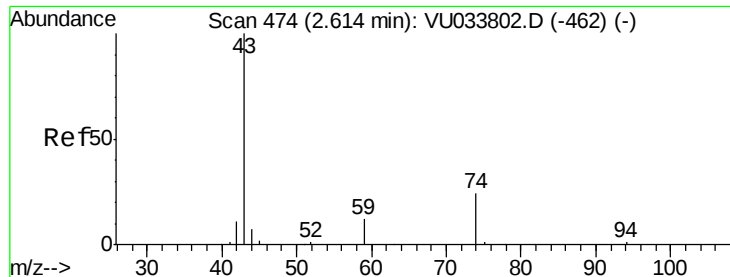
Tgt Ion: 76 Resp: 330511

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 4.675 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

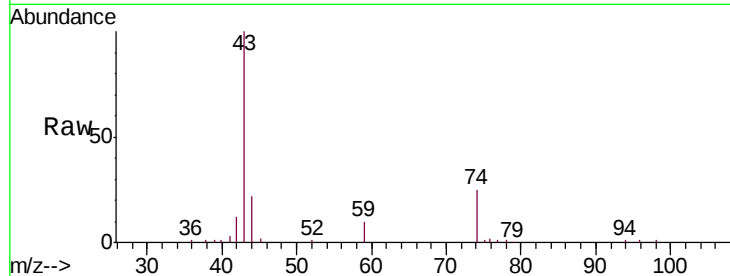
VSTD00509

Tgt Ion: 43 Resp: 51267

Ion Ratio Lower Upper

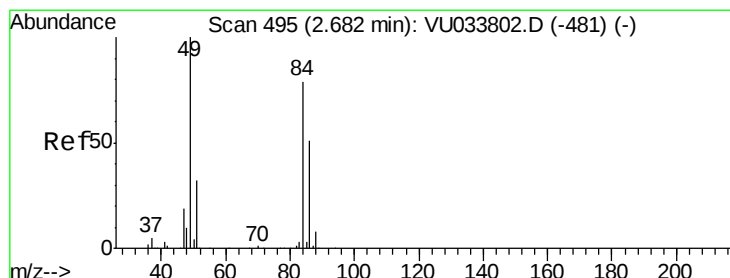
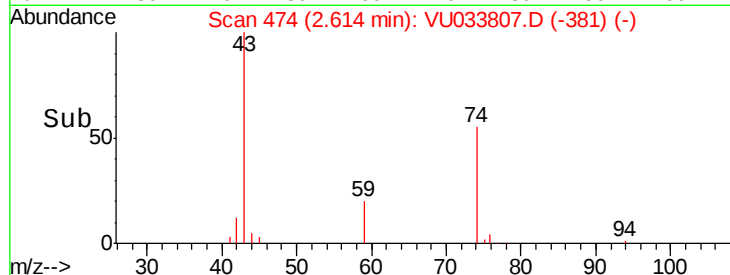
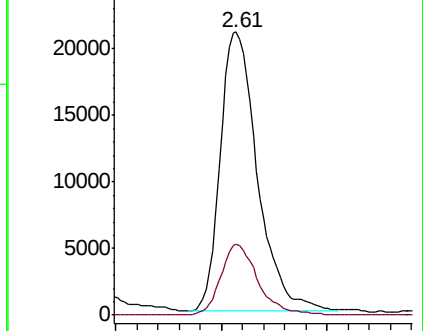
43 100

74 25.5 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU033807.D (-462) (-)

Ion 74.00 (73.70 to 74.70): VU033807.D (-462) (-)



#16

Methylene chloride

Concen: 4.628 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

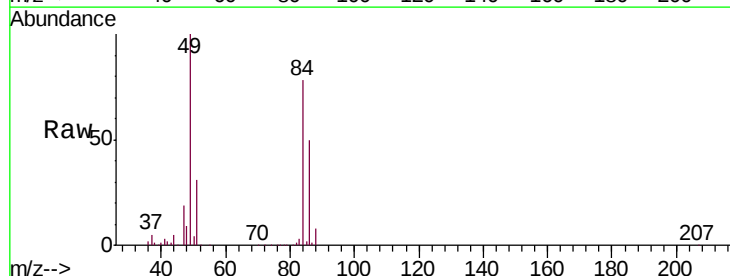
Tgt Ion: 84 Resp: 112685

Ion Ratio Lower Upper

84 100

86 63.8 46.0 85.4

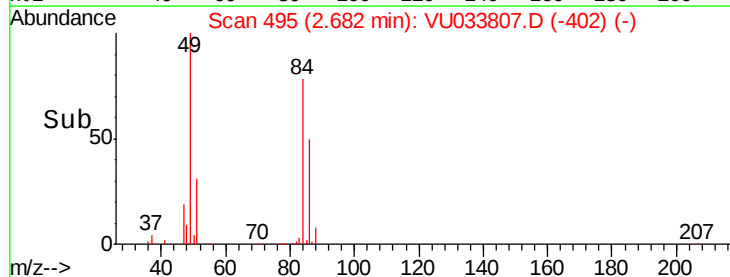
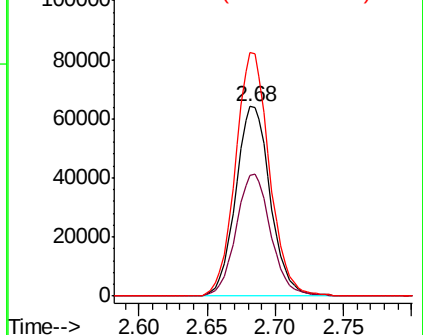
49 128.5 90.4 168.0

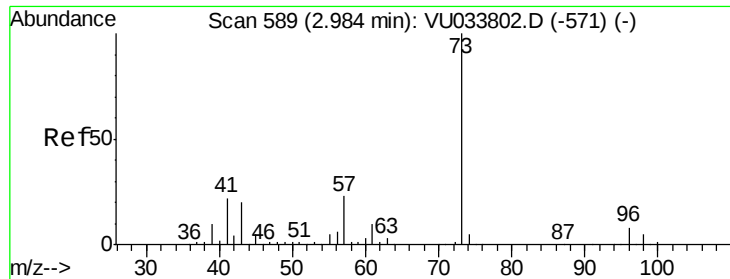


Abundance Ion 84.00 (83.70 to 84.70): VU033807.D (-402) (-)

Ion 86.00 (85.70 to 86.70): VU033807.D (-402) (-)

Ion 49.00 (48.70 to 49.70): VU033807.D (-402) (-)

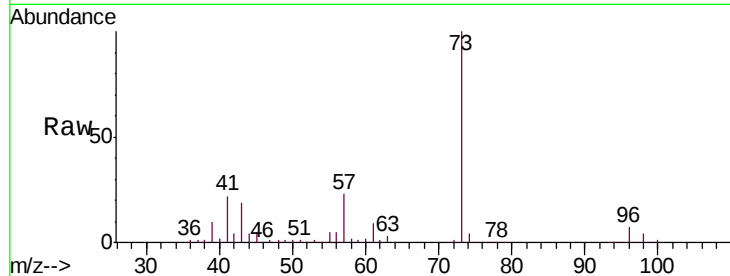




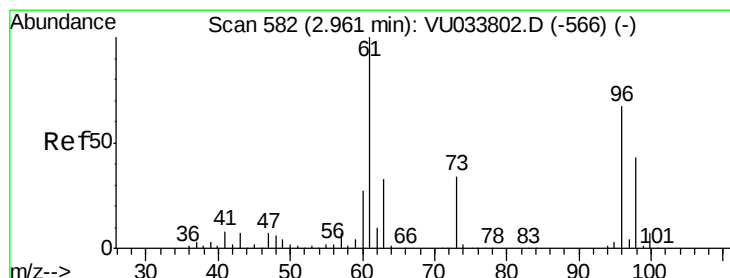
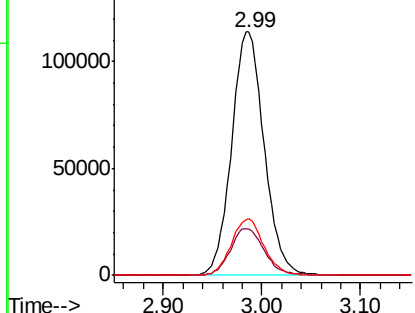
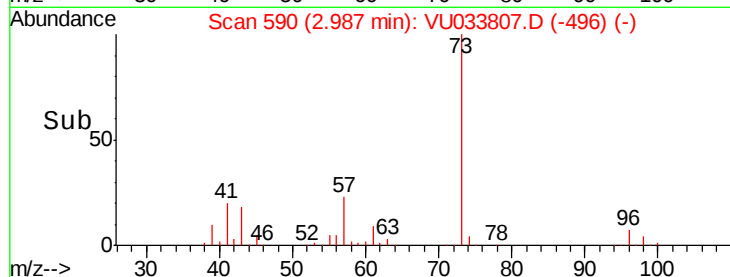
#17
Methyl tert-butyl Ether
Concen: 4.834 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion: 73 Resp: 261027
Ion Ratio Lower Upper
73 100
43 19.7 16.2 24.4
57 23.4 18.9 28.3

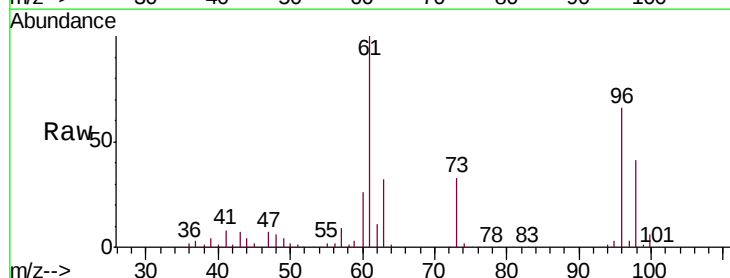


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

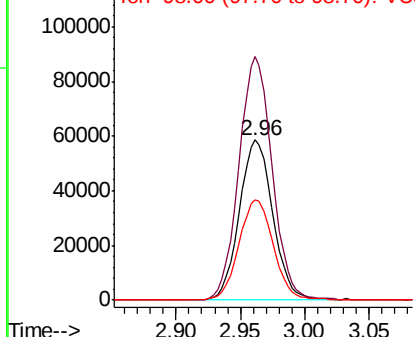
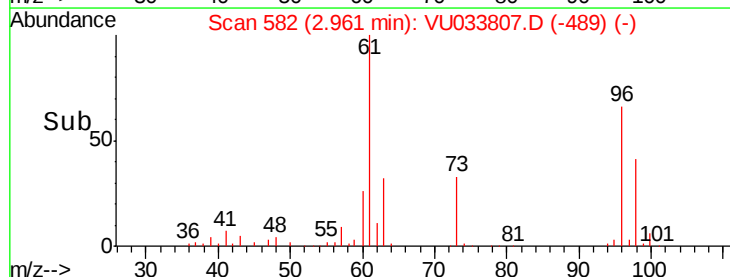


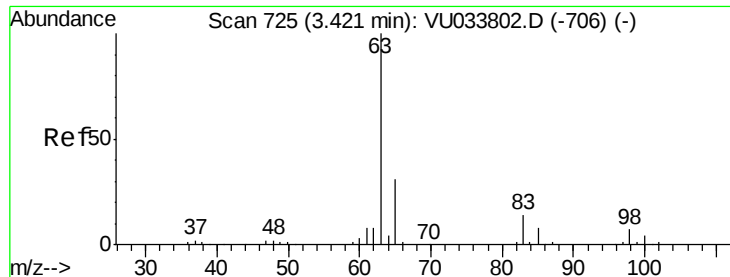
#18
trans-1,2-Dichloroethene
Concen: 4.736 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Tgt Ion: 96 Resp: 106072
Ion Ratio Lower Upper
96 100
61 152.2 107.2 199.0
98 63.0 43.0 79.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

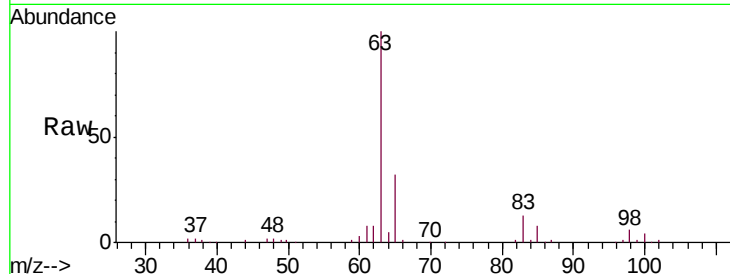




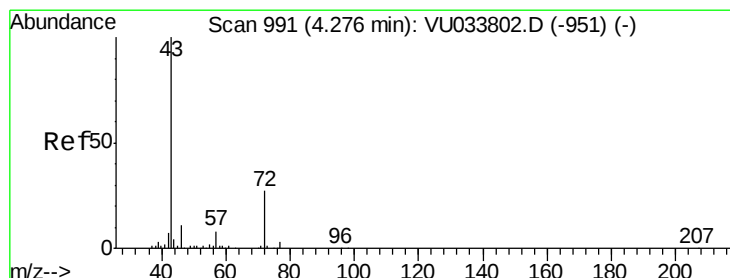
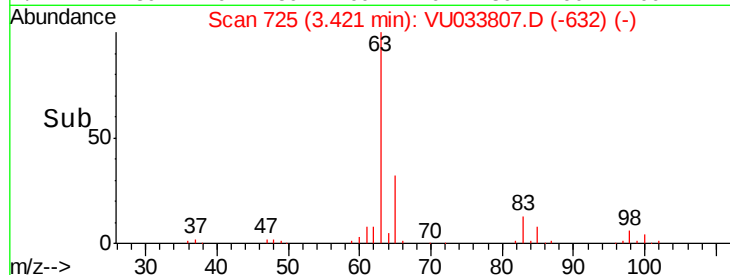
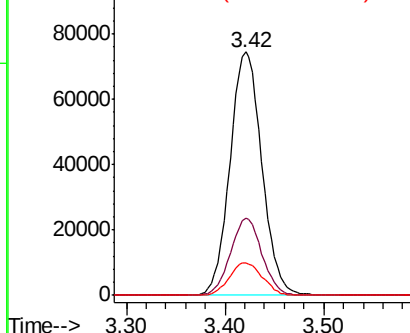
#19
 1,1-Dichloroethane
 Concen: 4.792 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion: 63 Resp: 167787
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.4 41.6
 83 13.2 9.7 17.9

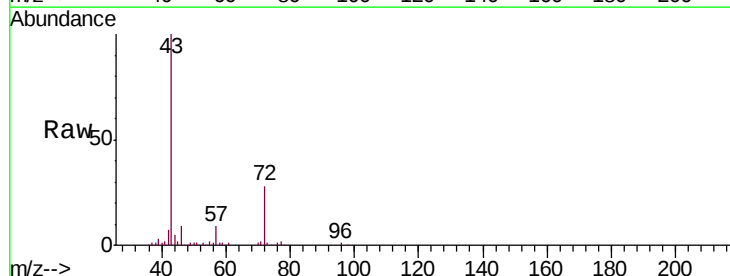


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

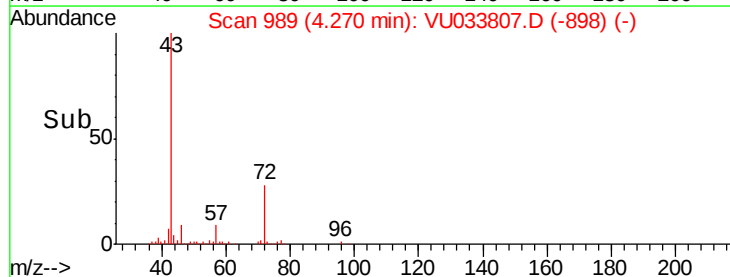
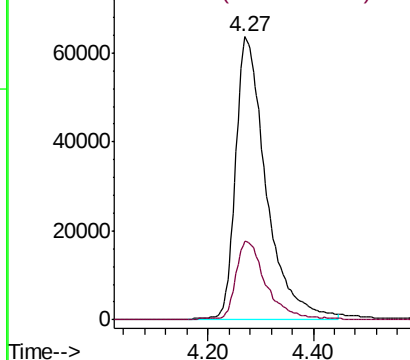


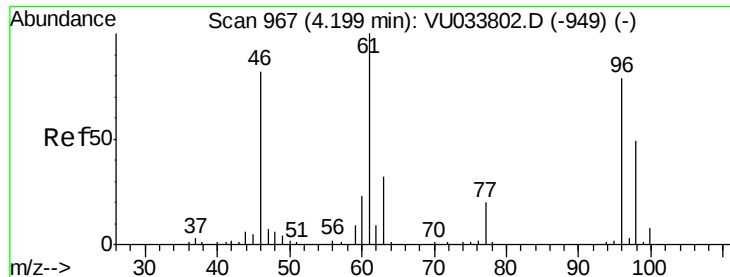
#21
 2-Butanone
 Concen: 48.754 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

Tgt Ion: 43 Resp: 254635
 Ion Ratio Lower Upper
 43 100
 72 26.6 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0



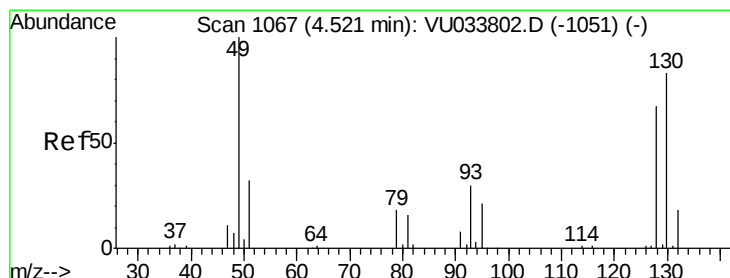
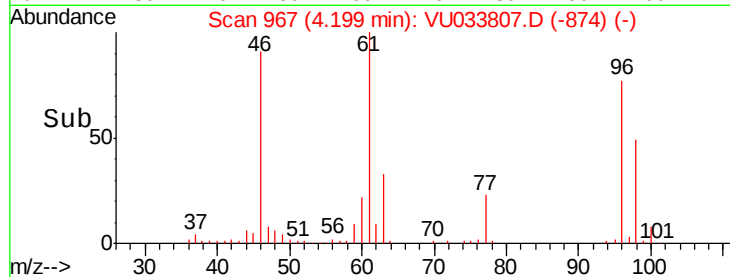
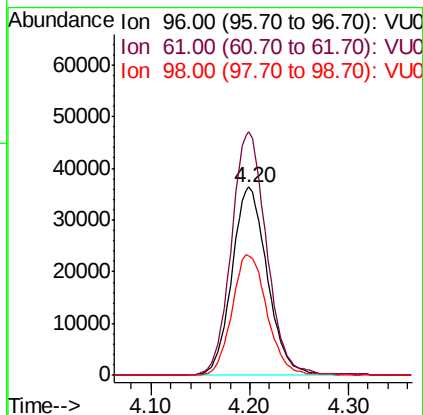
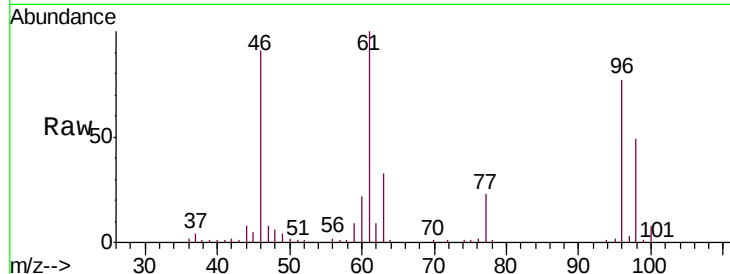


#22

cis-1,2-Dichloroethene
 Concen: 4.750 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

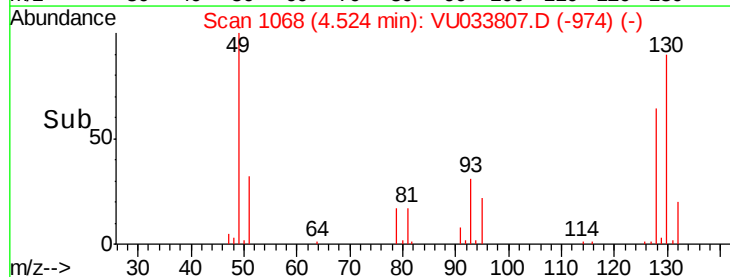
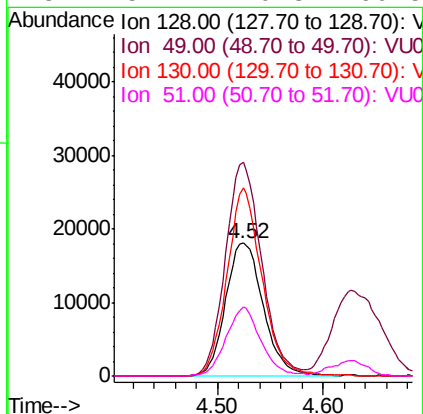
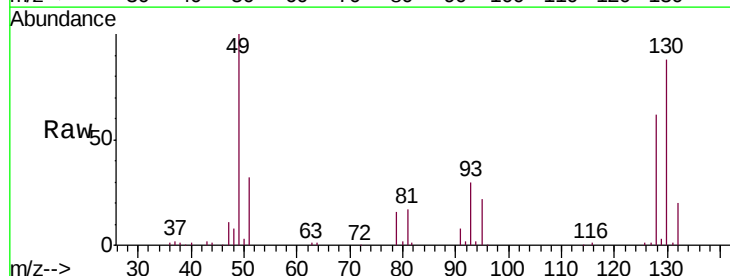
Tgt Ion: 96 Resp: 90769
 Ion Ratio Lower Upper
 96 100
 61 129.3 91.7 170.3
 98 63.1 45.1 83.9

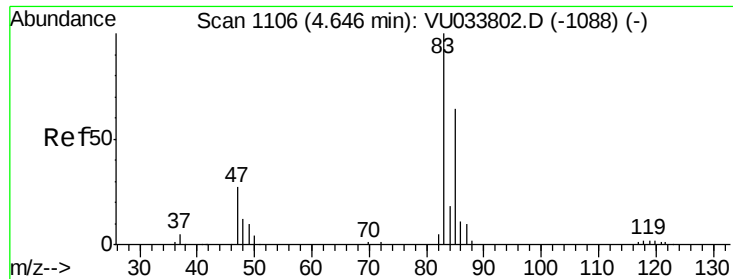


#23

Bromochloromethane
 Concen: 4.893 ug/L
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

Tgt Ion: 128 Resp: 44825
 Ion Ratio Lower Upper
 128 100
 49 161.0 106.8 198.4
 130 141.8 88.3 164.1
 51 51.7 40.3 60.5

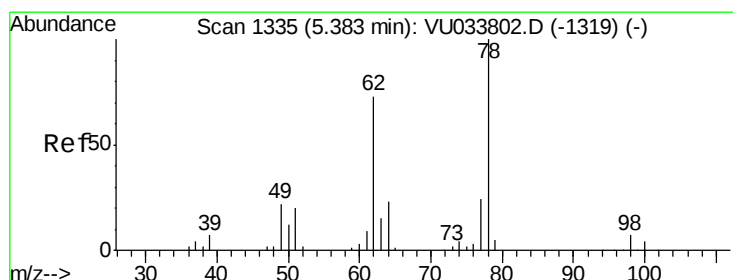
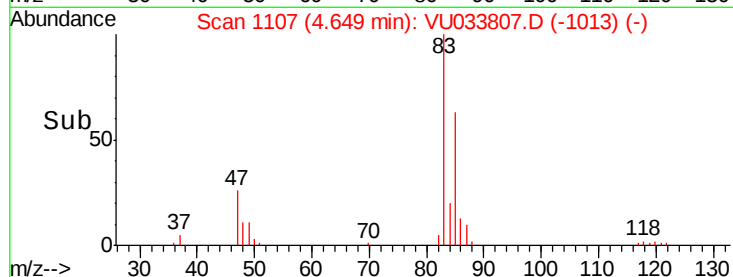
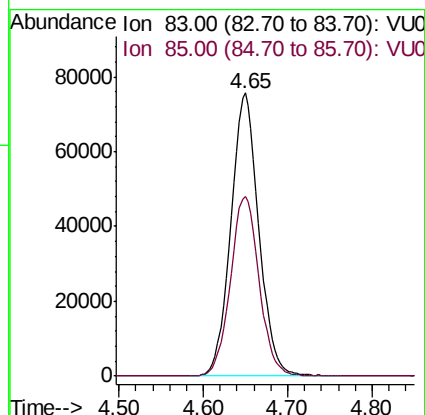
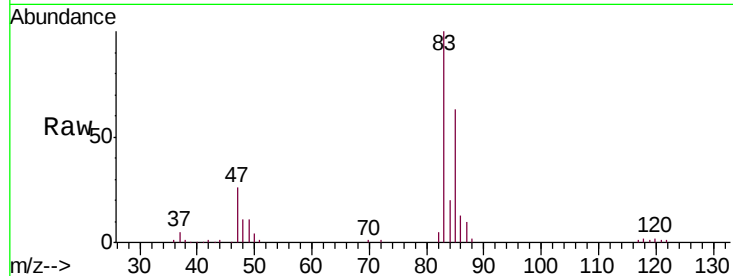




#25
Chloroform
Concen: 4.618 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

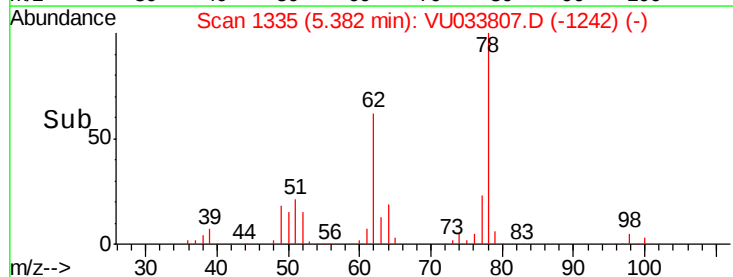
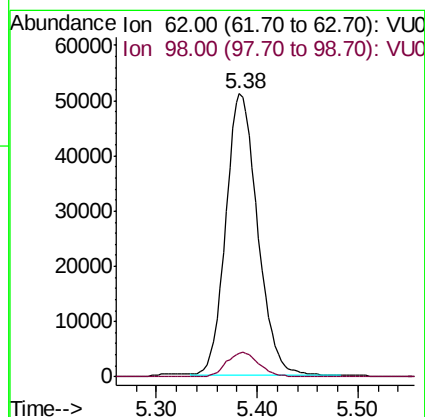
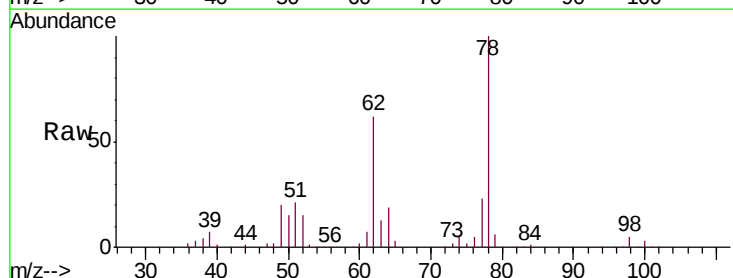
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

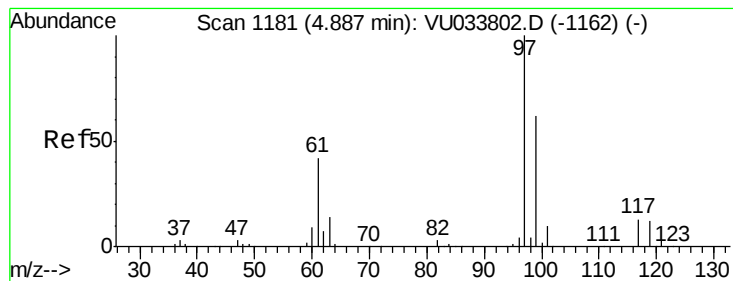
Tgt Ion: 83 Resp: 174044
Ion Ratio Lower Upper
83 100
85 63.3 44.2 82.0



#27
1,2-Dichloroethane
Concen: 4.847 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Tgt Ion: 62 Resp: 112562
Ion Ratio Lower Upper
62 100
98 8.4 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 4.780 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

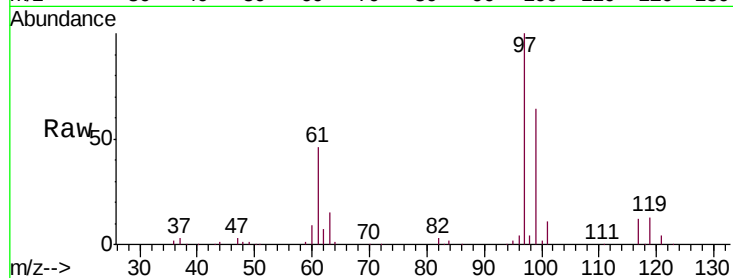
Tgt Ion: 97 Resp: 145244

Ion Ratio Lower Upper

97 100

99 64.1 50.8 76.2

61 46.0 37.4 56.0

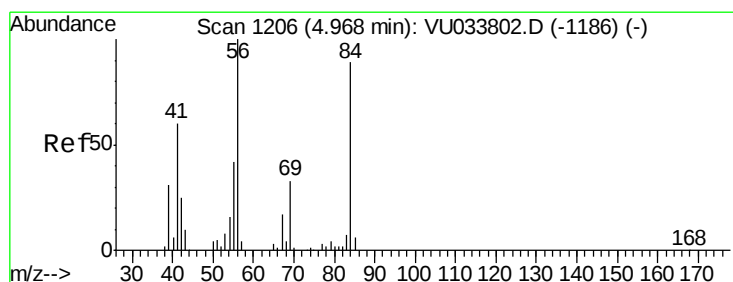
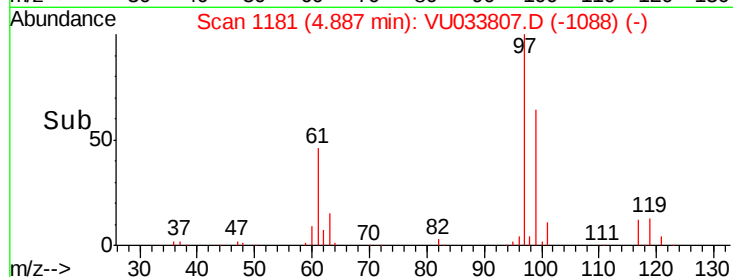
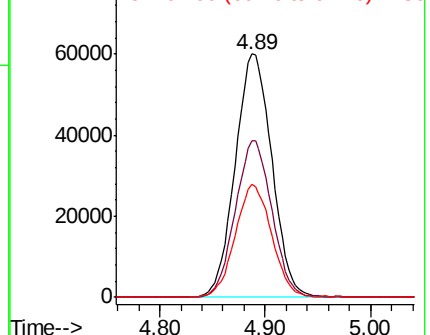


Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#30

Cyclohexane

Concen: 4.604 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

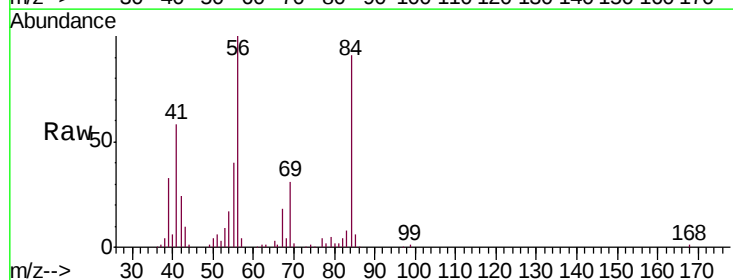
Tgt Ion: 56 Resp: 126603

Ion Ratio Lower Upper

56 100

69 31.3 25.2 37.8

84 89.5 69.8 104.6

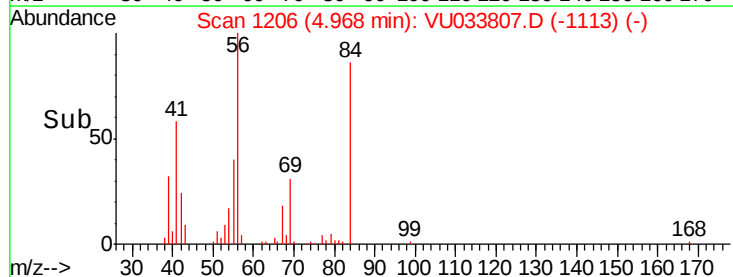
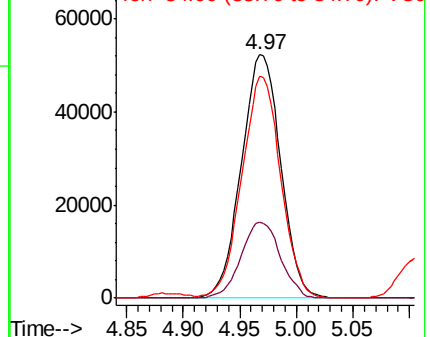


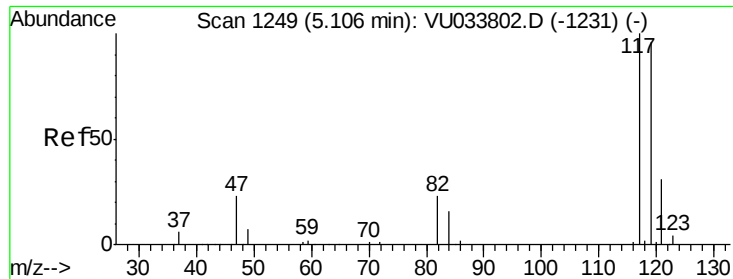
Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#31

Carbon tetrachloride

Concen: 4.875 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

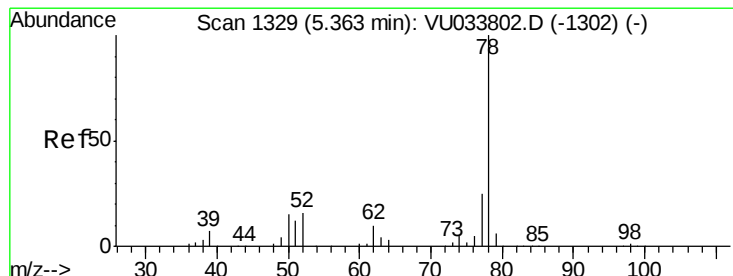
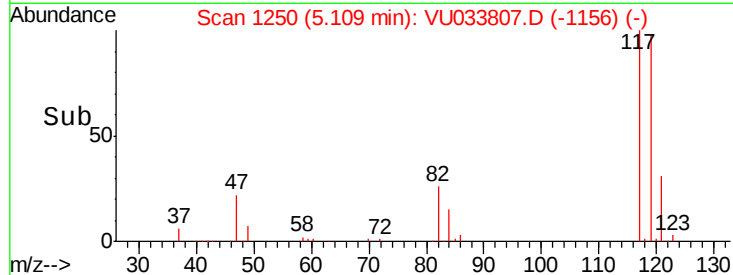
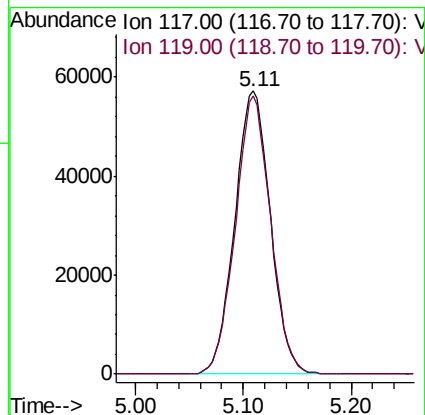
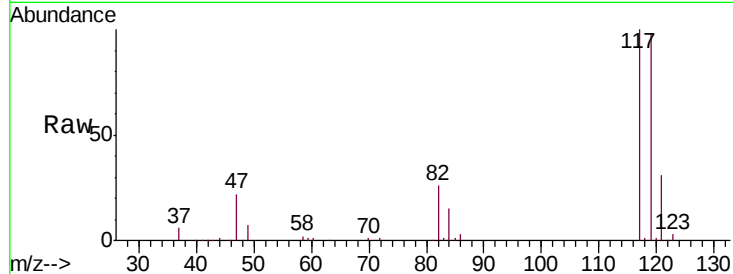
VSTD00509

Tgt Ion:117 Resp: 131778

Ion Ratio Lower Upper

117 100

119 97.0 78.5 117.7



#33

Benzene

Concen: 4.903 ug/L

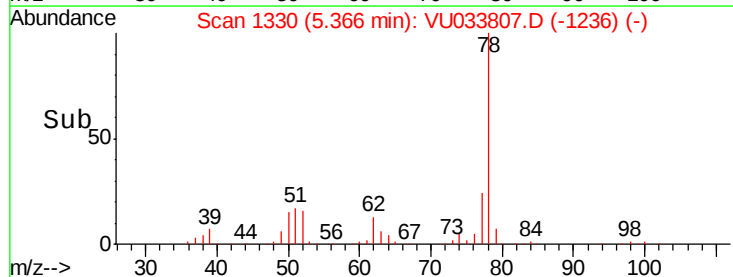
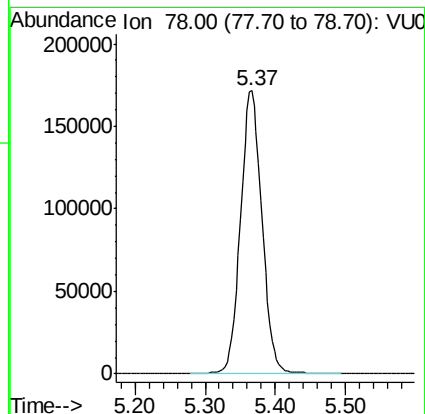
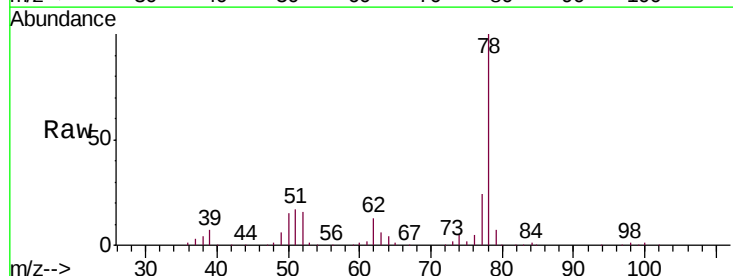
RT: 5.37 min Scan# 1330

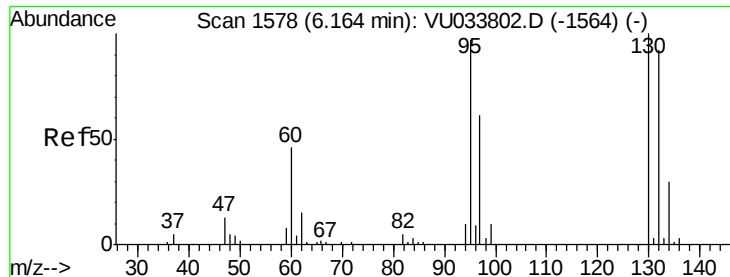
Delta R.T. 0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Tgt Ion: 78 Resp: 366163





#34

Trichloroethene

Concen: 4.844 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tgt Ion: 95 Resp: 94874

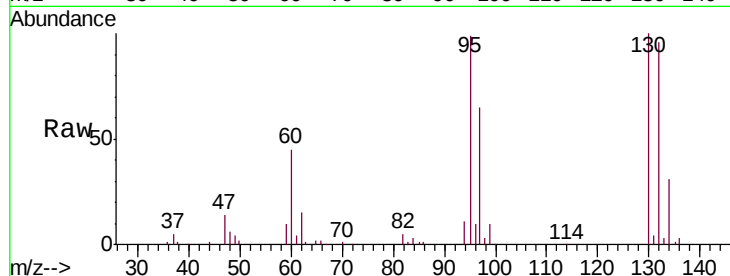
Ion Ratio Lower Upper

95 100

97 65.3 45.4 84.4

132 96.7 68.9 127.9

130 100.9 70.5 130.9

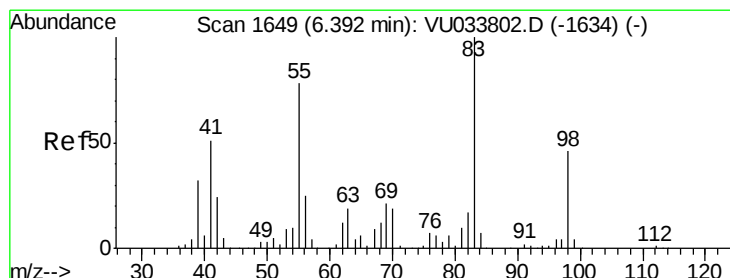
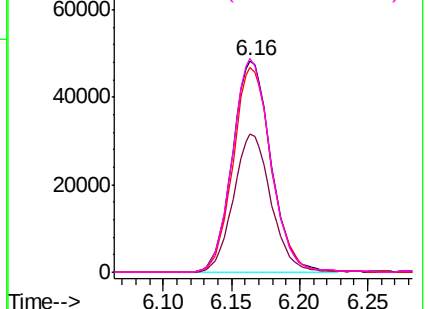
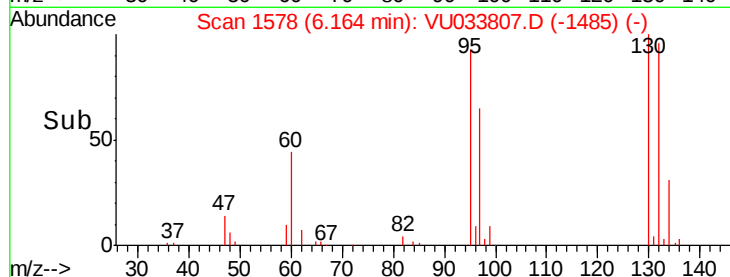


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 4.637 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

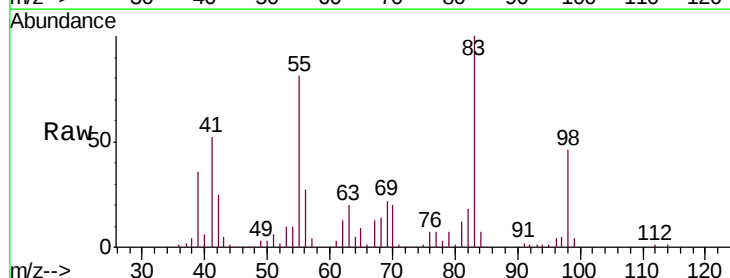
Tgt Ion: 83 Resp: 136151

Ion Ratio Lower Upper

83 100

55 81.1 65.0 97.6

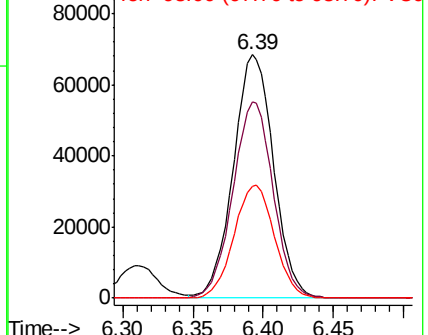
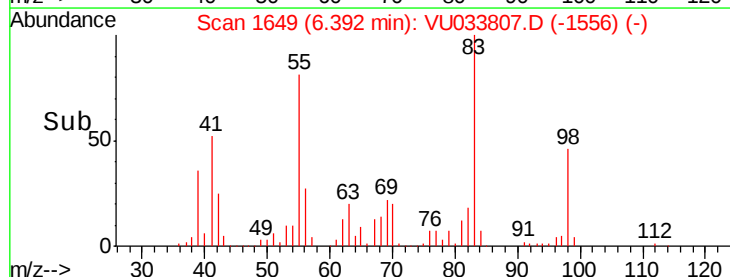
98 47.0 36.2 54.4

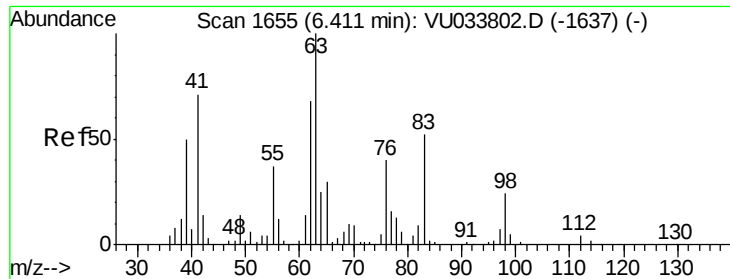


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

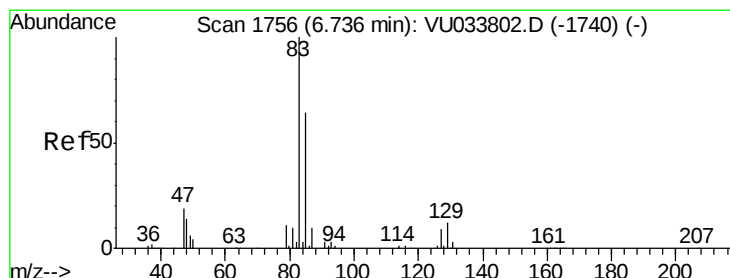
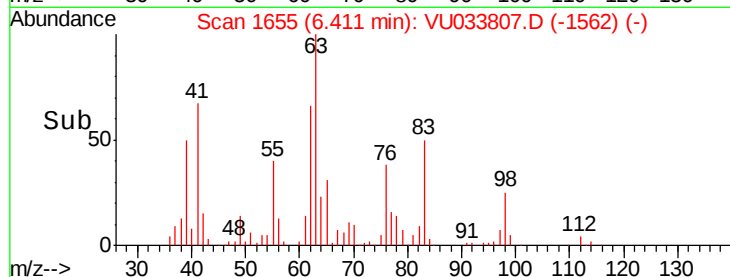
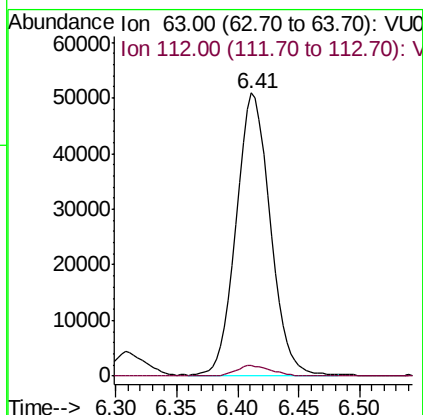
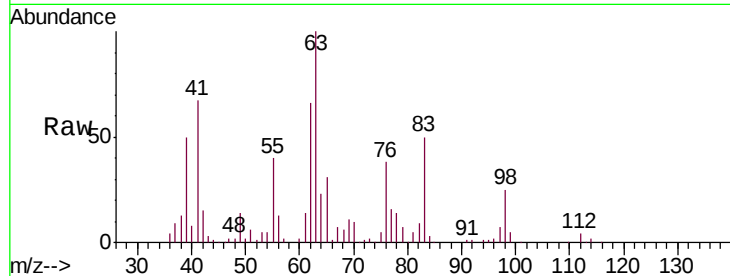




#37
 1,2-Dichloropropane
 Concen: 4.851 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

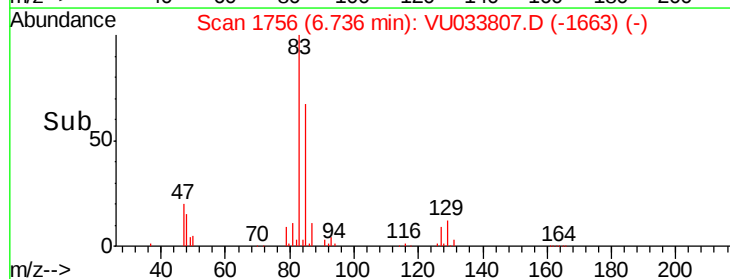
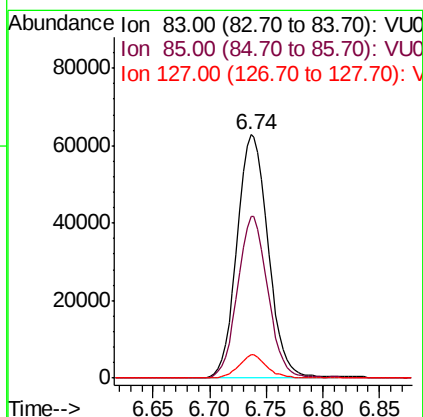
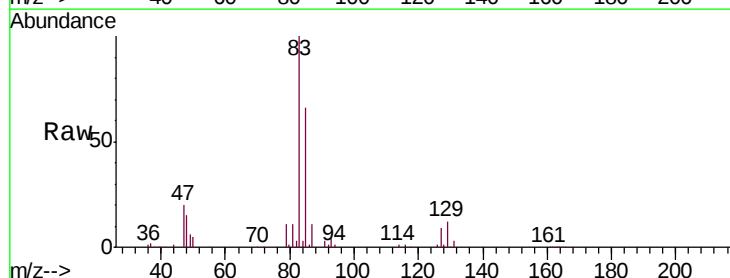
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

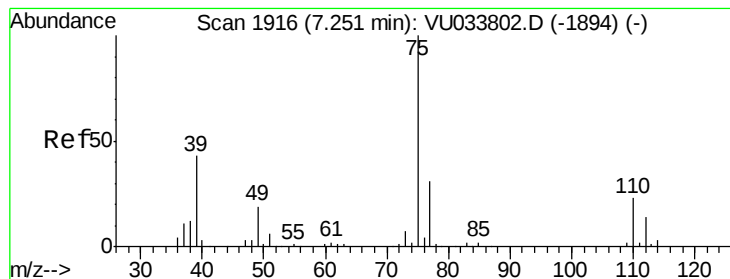
Tgt Ion: 63 Resp: 97885
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.759 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

Tgt Ion: 83 Resp: 121098
 Ion Ratio Lower Upper
 83 100
 85 66.2 45.0 83.6
 127 9.4 7.8 11.6



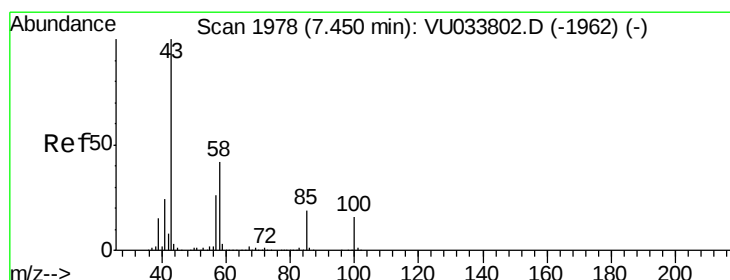
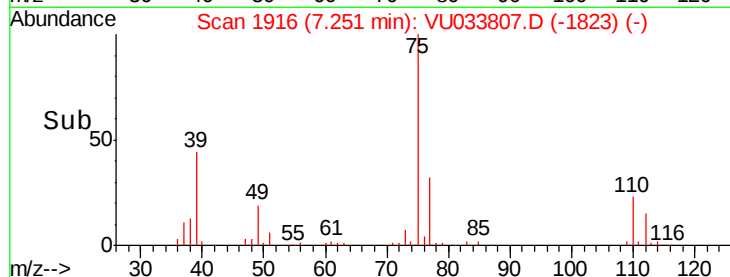
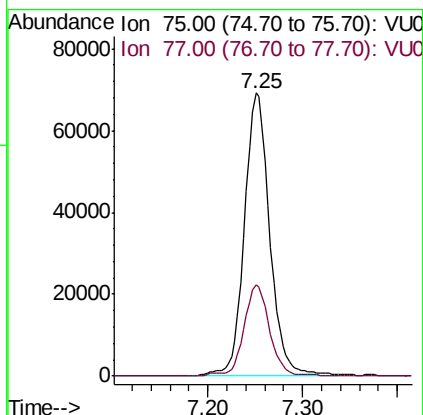
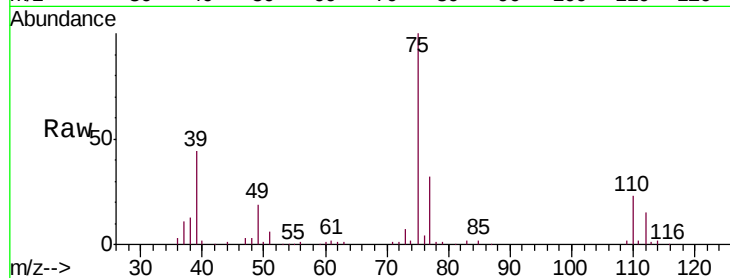


#39

cis-1,3-Dichloropropene
Concen: 4.743 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

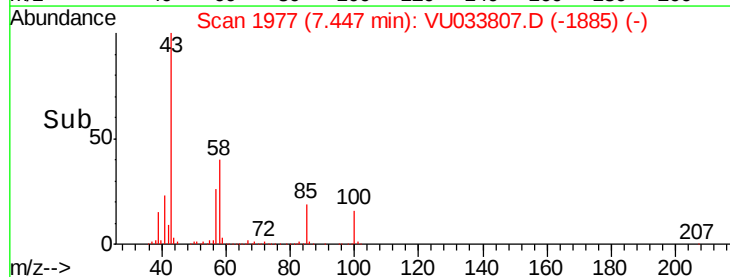
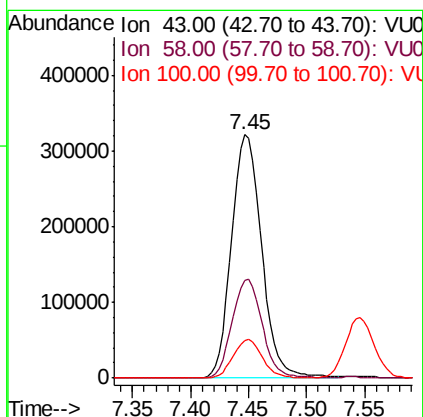
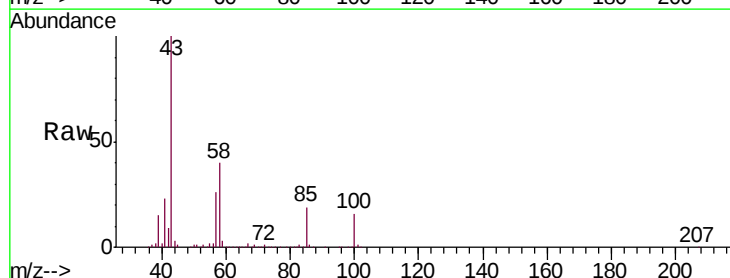
Tgt Ion: 75 Resp: 129145
Ion Ratio Lower Upper
75 100
77 32.2 23.6 43.8

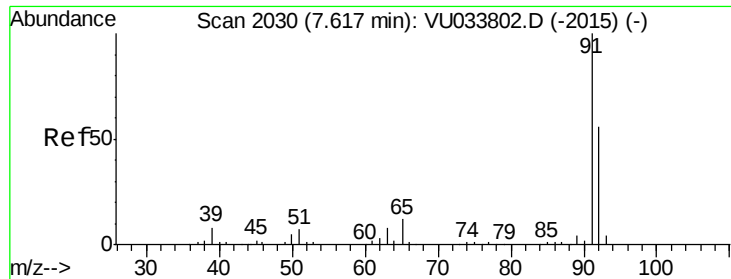


#40

4-Methyl-2-pentanone
Concen: 49.854 ug/L
RT: 7.45 min Scan# 1977
Delta R.T. -0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Tgt Ion: 43 Resp: 581334
Ion Ratio Lower Upper
43 100
58 40.5 32.2 48.4
100 15.4 11.9 17.9





#42

Toluene

Concen: 5.105 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

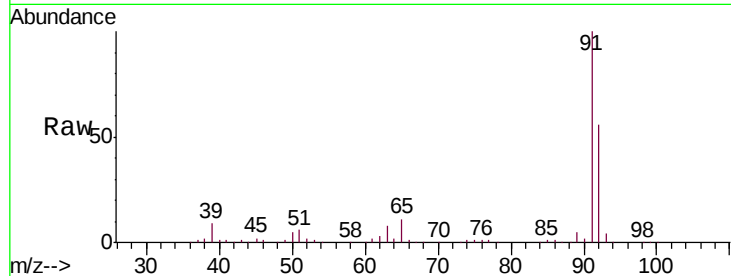
VSTD00509

Tgt Ion: 91 Resp: 400617

Ion Ratio Lower Upper

91 100

92 56.1 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU033802.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU033802.D (-2015) (-)

7.62

250000

200000

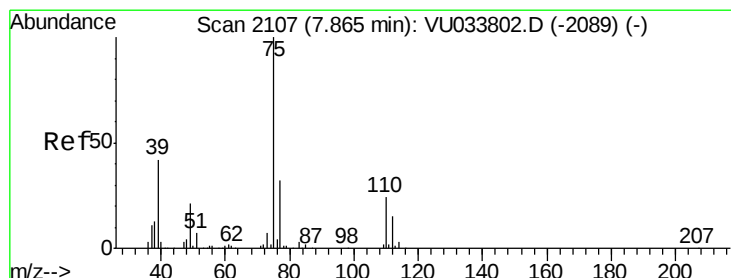
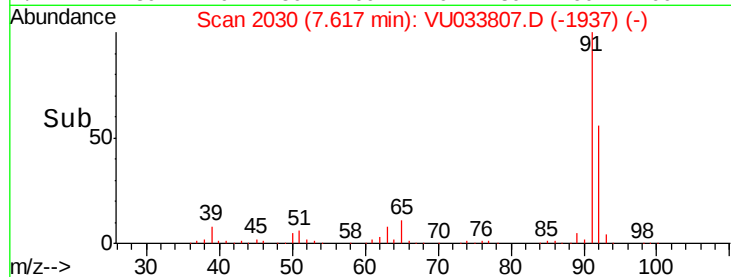
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#44

trans-1,3-Dichloropropene

Concen: 4.786 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VU033807.D

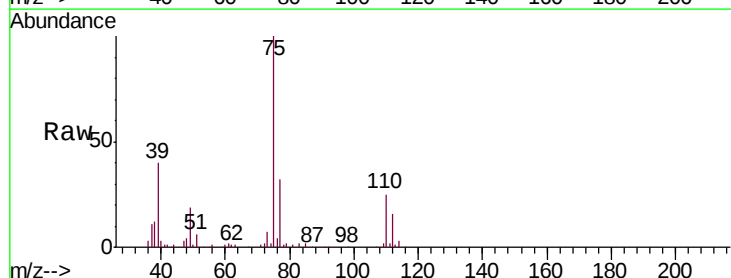
Acq: 15 Aug 2019 13:50

Tgt Ion: 75 Resp: 108957

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU033802.D (-2089) (-)

Ion 77.00 (76.70 to 77.70): VU033802.D (-2089) (-)

7.86

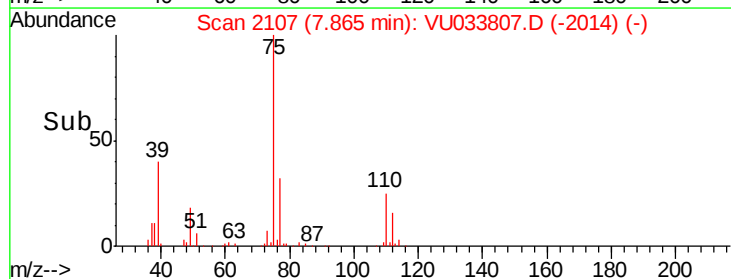
60000

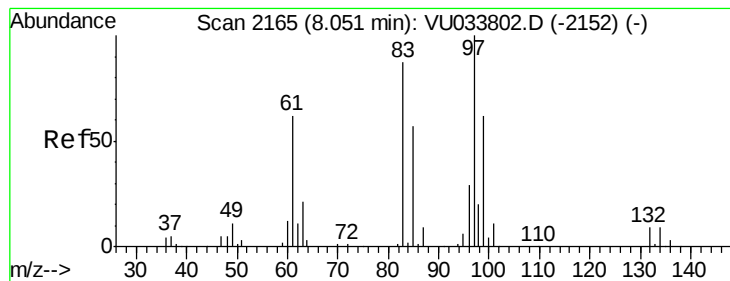
40000

20000

0

Time--> 7.75 7.80 7.85 7.90 7.95





#45

1,1,2-Trichloroethane

Concen: 4.856 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tgt Ion: 97 Resp: 70021

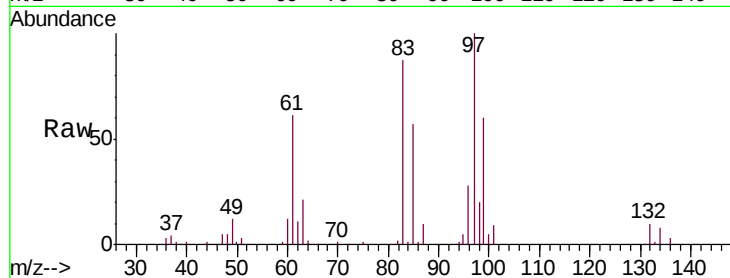
Ion Ratio Lower Upper

97 100

99 60.0 42.6 79.0

83 86.8 59.8 111.1

85 56.6 39.3 72.9

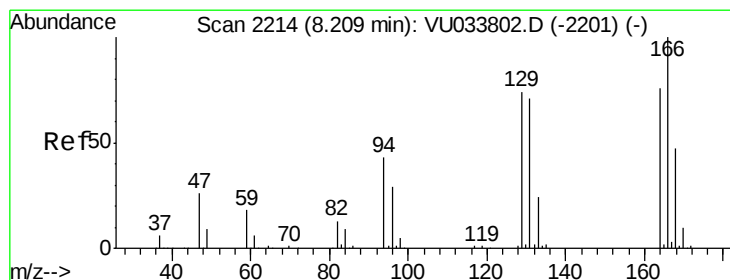
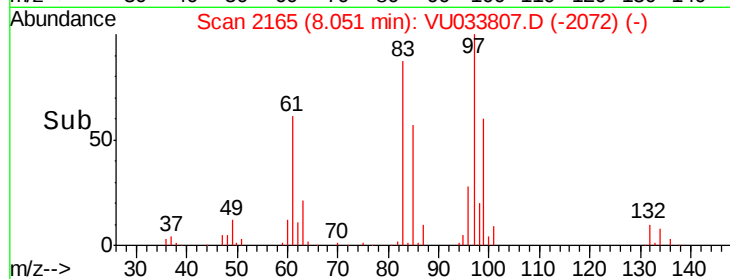
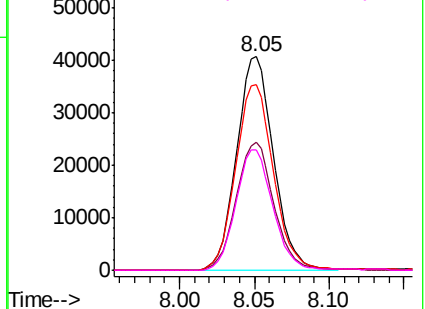


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.746 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Tgt Ion: 164 Resp: 77477

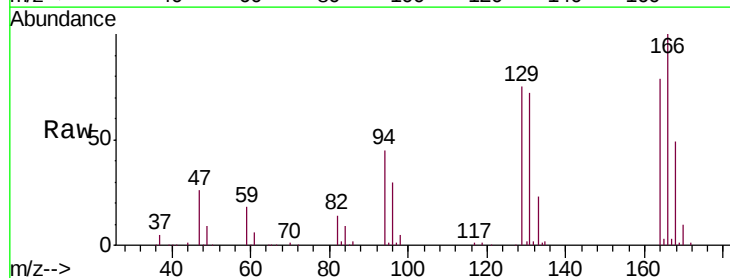
Ion Ratio Lower Upper

164 100

129 95.4 66.1 122.7

131 91.2 65.2 121.2

166 126.7 88.5 164.4

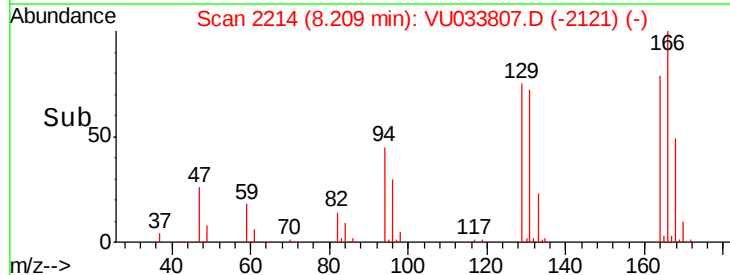
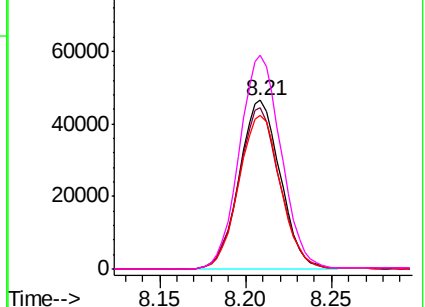


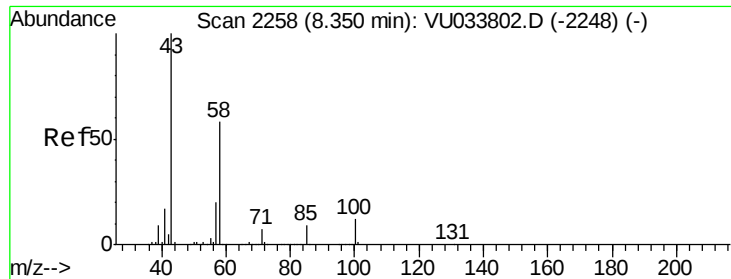
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

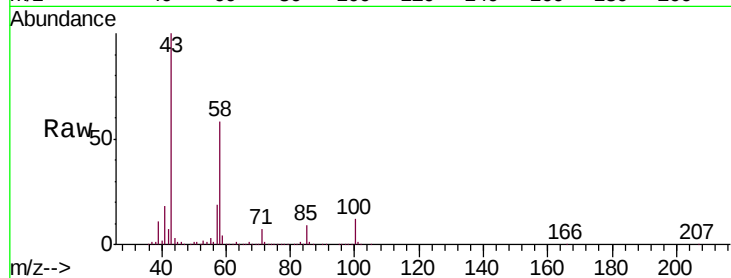




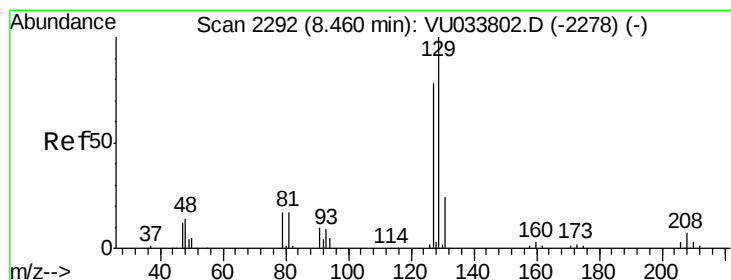
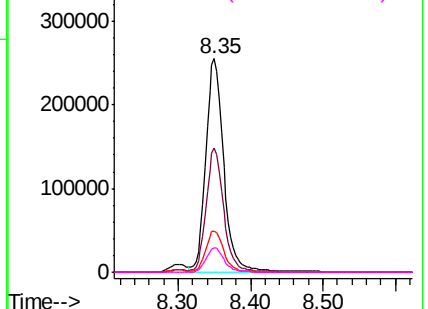
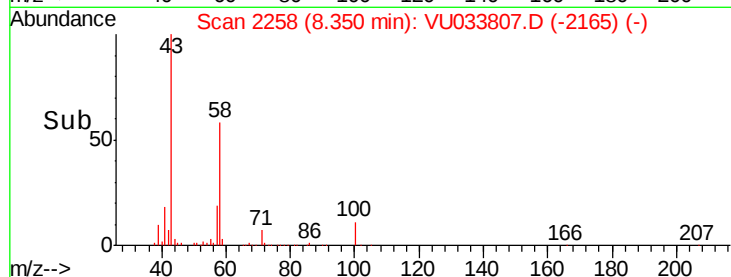
#48
2-Hexanone
Concen: 51.994 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. -0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion: 43 Resp: 438466
Ion Ratio Lower Upper
43 100
58 56.3 45.2 67.8
57 19.2 15.7 23.5
100 11.6 8.6 13.0

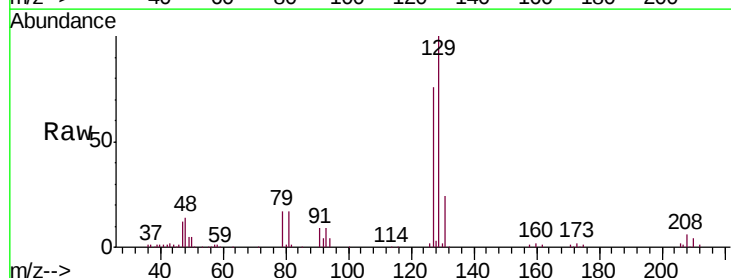


Abundance Ion 43.00 (42.70 to 43.70): VU033807.D (-2165) (-)
Ion 58.00 (57.70 to 58.70): VU033807.D (-2165) (-)
Ion 57.00 (56.70 to 57.70): VU033807.D (-2165) (-)
Ion 100.00 (99.70 to 100.70): VU033807.D (-2165) (-)

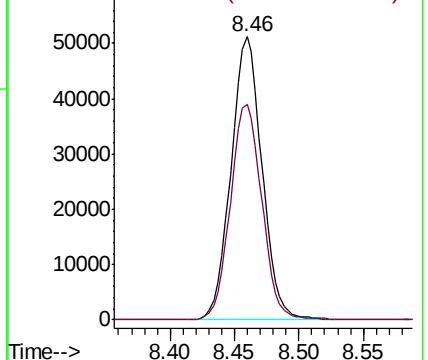
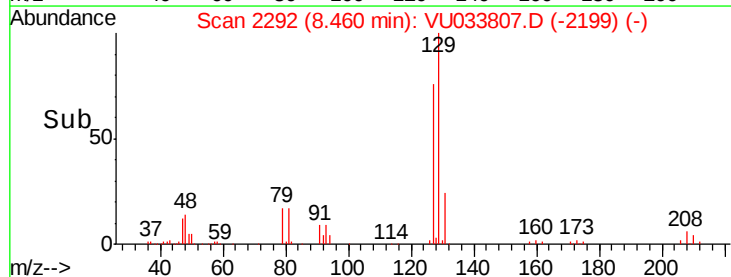


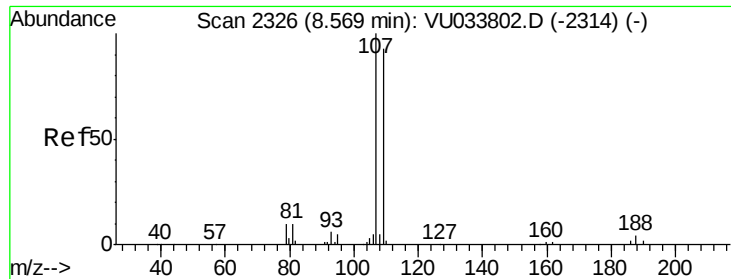
#49
Dibromochloromethane
Concen: 4.900 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Tgt Ion: 129 Resp: 85673
Ion Ratio Lower Upper
129 100
127 76.2 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VU033807.D (-2199) (-)
Ion 127.00 (126.70 to 127.70): VU033807.D (-2199) (-)

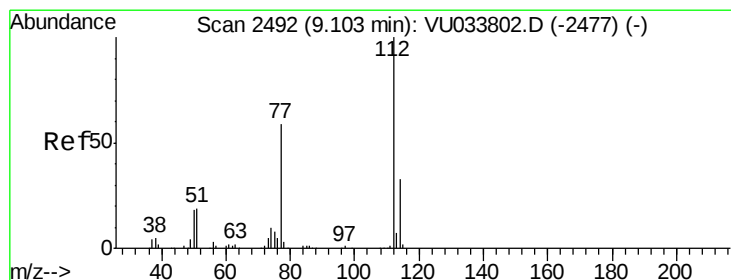
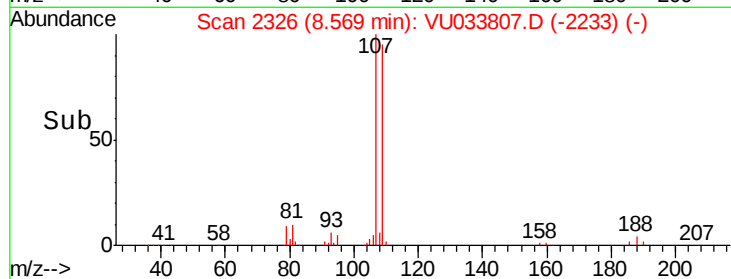
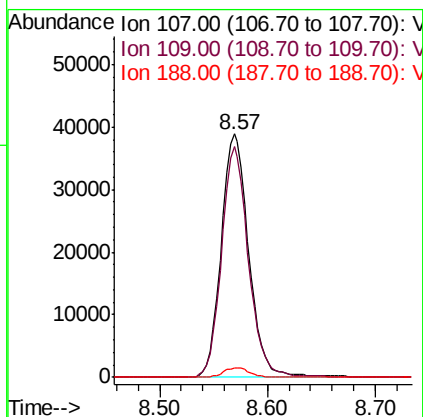
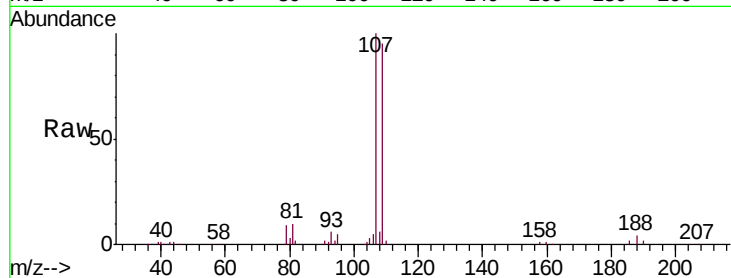




#50
 1,2-Dibromoethane
 Concen: 4.942 ug/L
 RT: 8.57 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

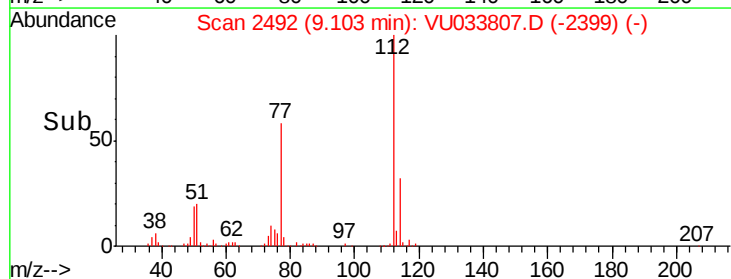
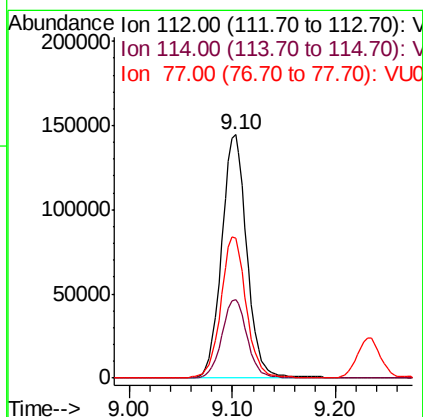
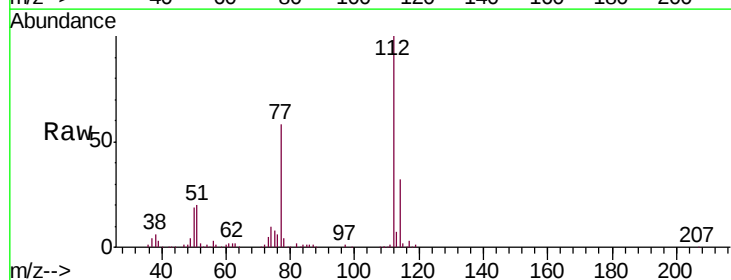
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

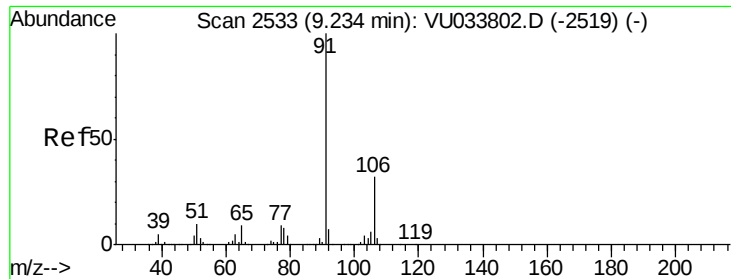
Tgt Ion:107 Resp: 68891
 Ion Ratio Lower Upper
 107 100
 109 95.0 68.3 126.8
 188 3.7 3.0 4.6



#51
 Chlorobenzene
 Concen: 4.859 ug/L
 RT: 9.10 min Scan# 2492
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

Tgt Ion:112 Resp: 245451
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.5 41.7
 77 57.7 45.3 67.9





#52

Ethylbenzene

Concen: 4.895 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

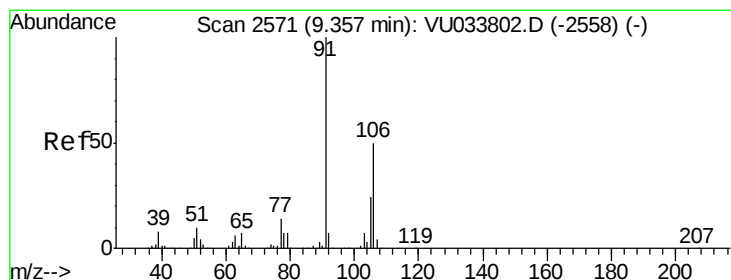
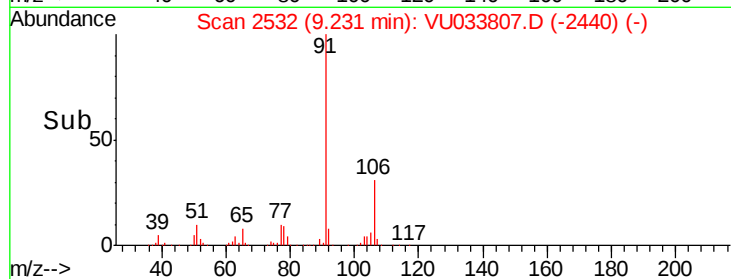
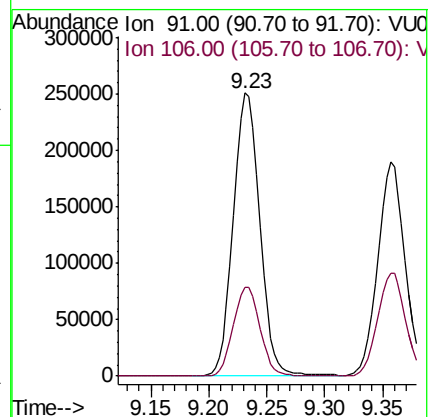
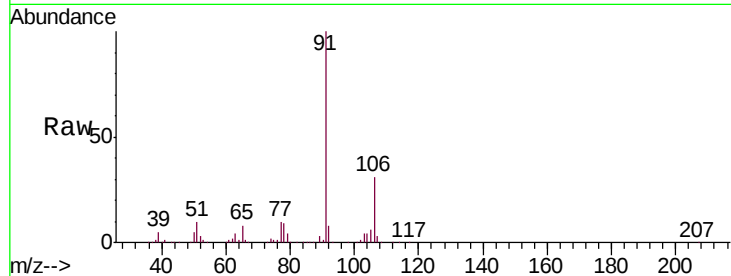
VSTD00509

Tgt Ion: 91 Resp: 397515

Ion Ratio Lower Upper

91 100

106 31.3 21.6 40.0



#53

m,p-Xylene

Concen: 5.041 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033807.D

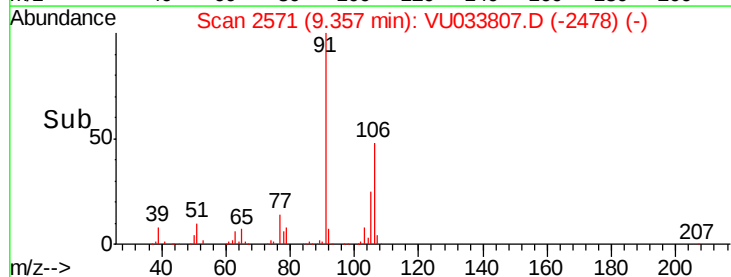
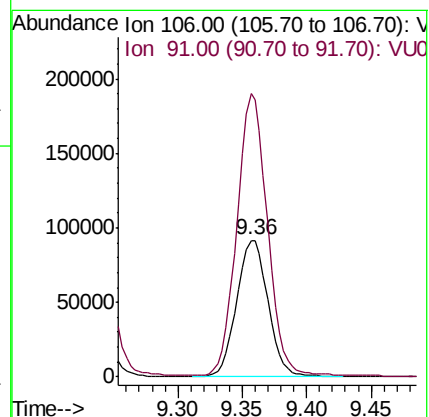
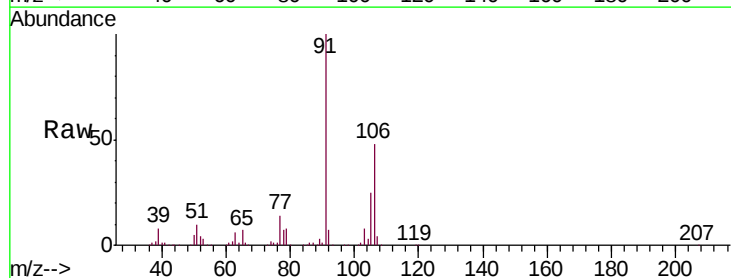
Acq: 15 Aug 2019 13:50

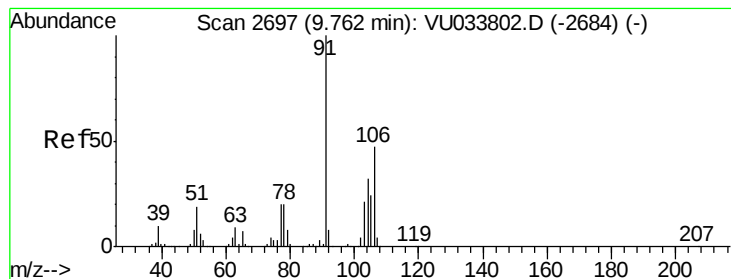
Tgt Ion: 106 Resp: 154364

Ion Ratio Lower Upper

106 100

91 207.0 142.7 265.1





#54

o-Xylene

Concen: 5.181 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

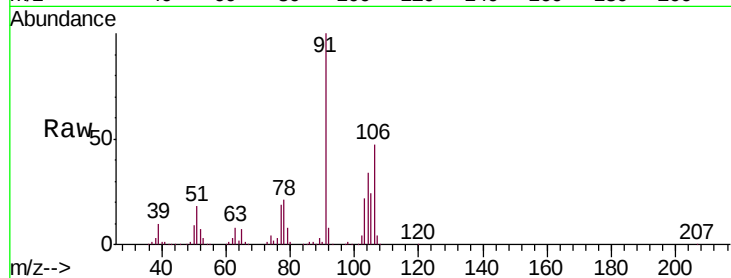
VSTD00509

Tgt Ion:106 Resp: 150650

Ion Ratio Lower Upper

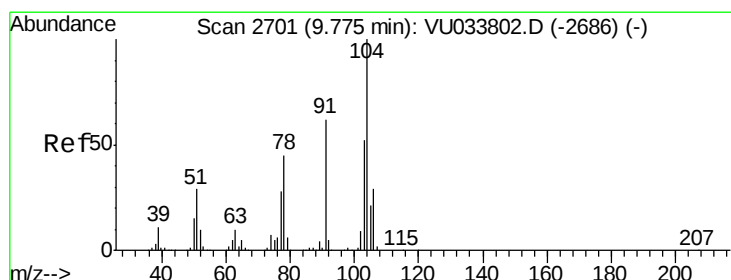
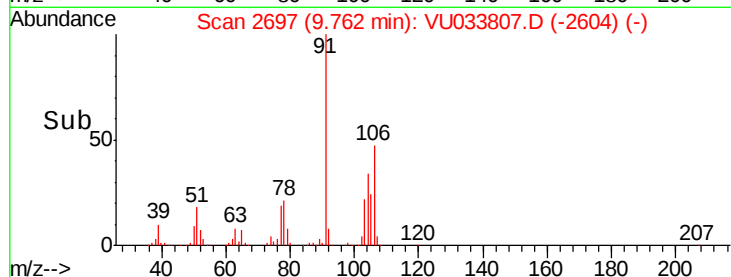
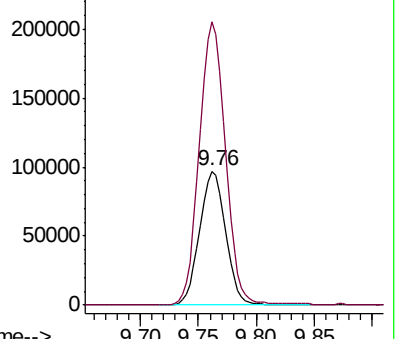
106 100

91 211.4 149.5 277.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 5.218 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033807.D

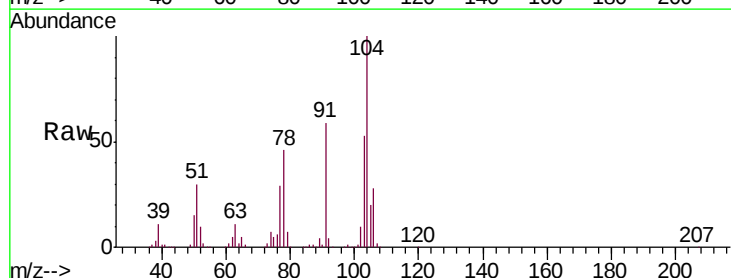
Acq: 15 Aug 2019 13:50

Tgt Ion:104 Resp: 263294

Ion Ratio Lower Upper

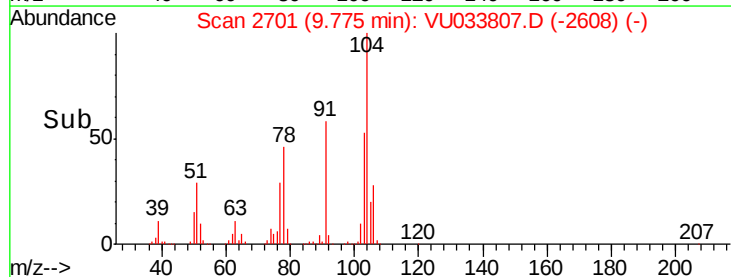
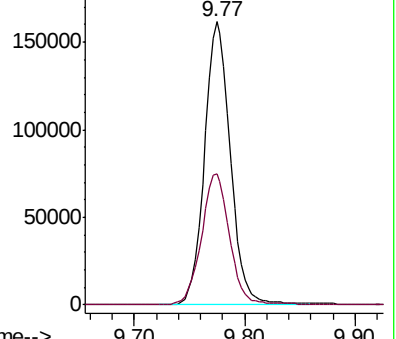
104 100

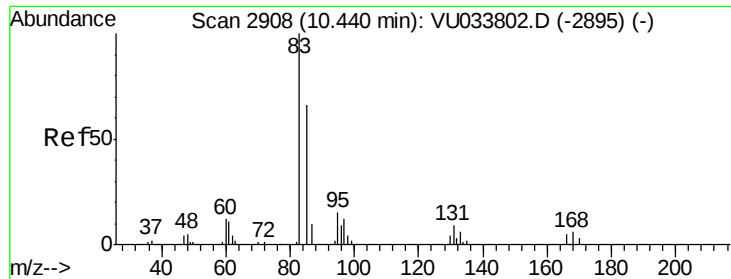
78 46.3 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.760 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

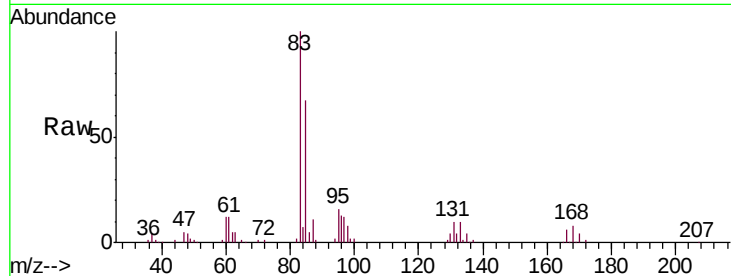
Tgt Ion: 83 Resp: 90158

Ion Ratio Lower Upper

83 100

85 66.6 44.4 82.4

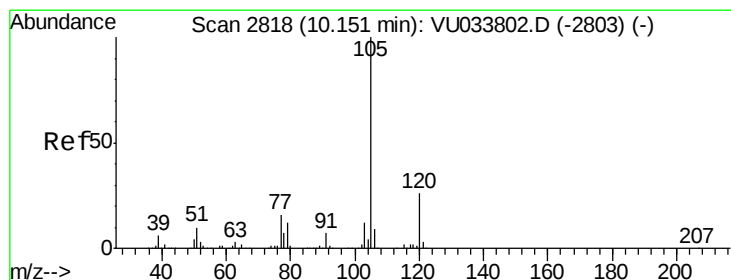
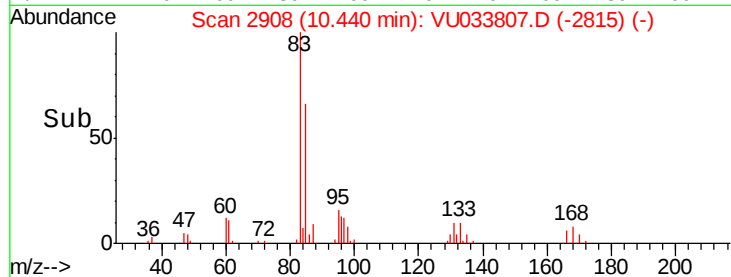
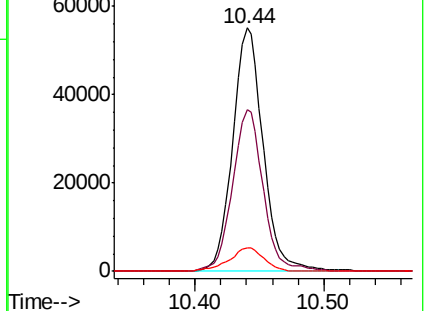
131 9.8 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VU033807.D (-2895) (-)

Ion 85.00 (84.70 to 85.70): VU033807.D (-2895) (-)

Ion 131.00 (130.70 to 131.70): VU033807.D (-2895) (-)



#59

Isopropylbenzene

Concen: 4.878 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033807.D

Acq: 15 Aug 2019 13:50

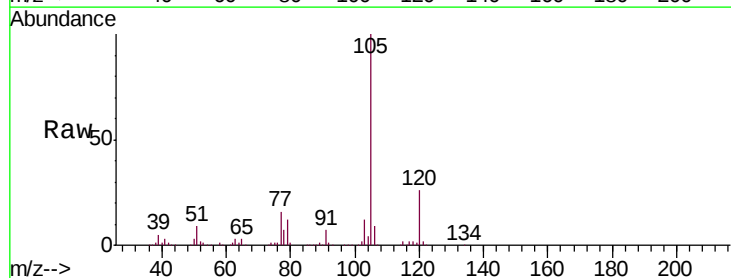
Tgt Ion: 105 Resp: 391250

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

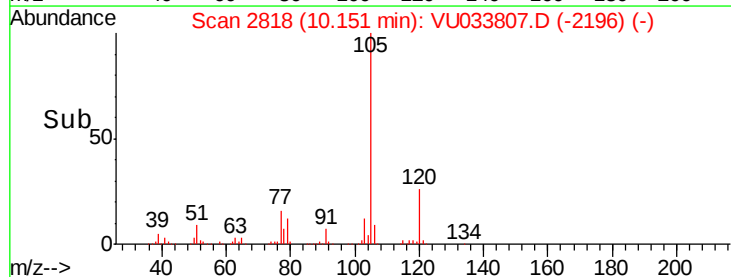
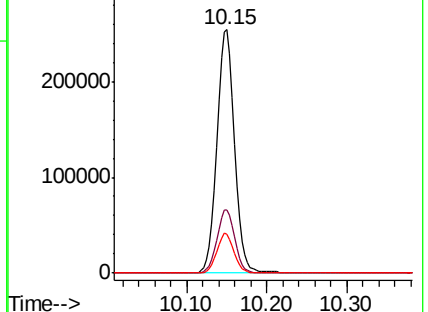
77 15.9 12.8 19.2

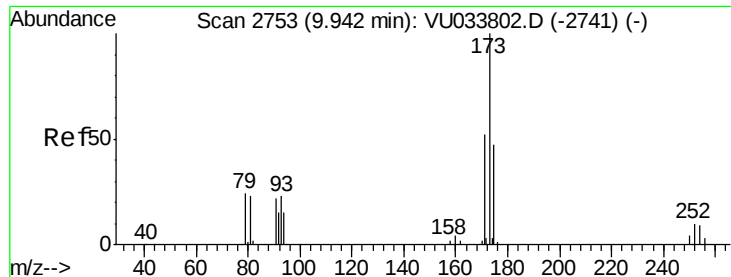


Abundance Ion 105.00 (104.70 to 105.70): VU033807.D (-2803) (-)

Ion 120.00 (119.70 to 120.70): VU033807.D (-2803) (-)

Ion 77.00 (76.70 to 77.70): VU033807.D (-2803) (-)

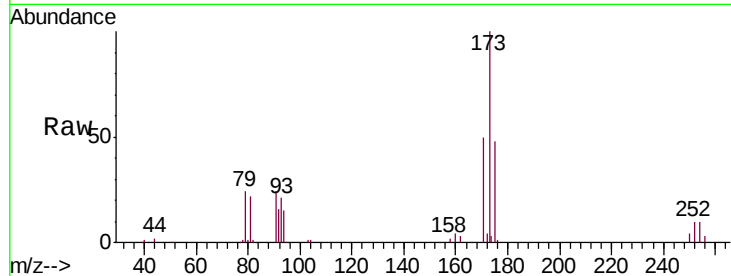




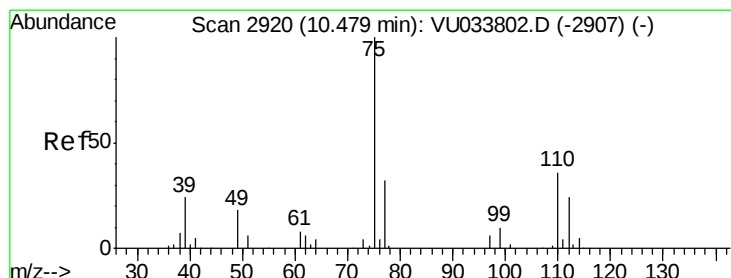
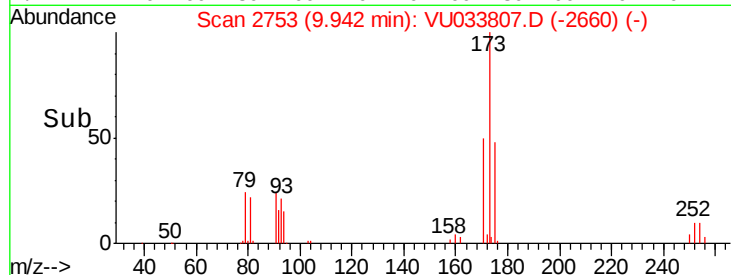
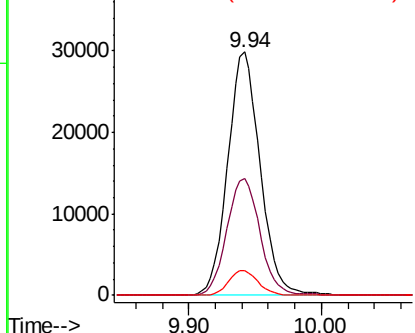
#60
Bromoform
Concen: 4.714 ug/L
RT: 9.94 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion:173 Resp: 50668
Ion Ratio Lower Upper
173 100
175 49.2 36.6 55.0
254 9.3 7.0 10.4

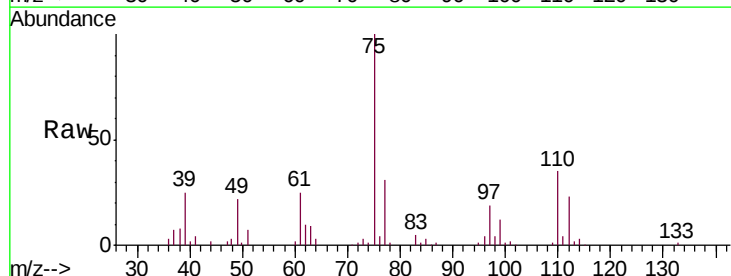


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

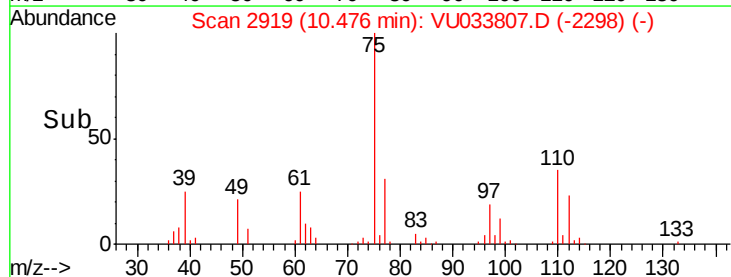
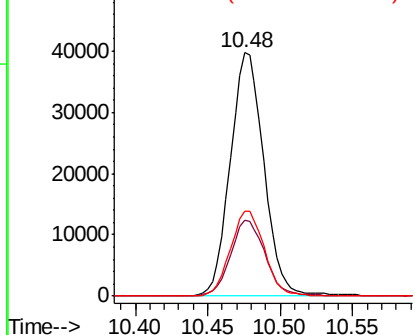


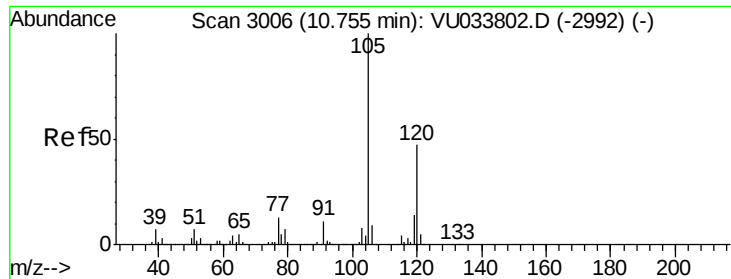
#61
1,2,3-Trichloropropane
Concen: 4.592 ug/L
RT: 10.48 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Tgt Ion: 75 Resp: 64164
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6
110 35.2 28.9 43.3



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 110.00 (109.70 to 110.70): V

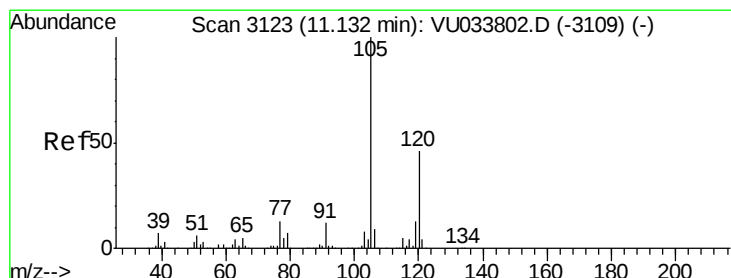
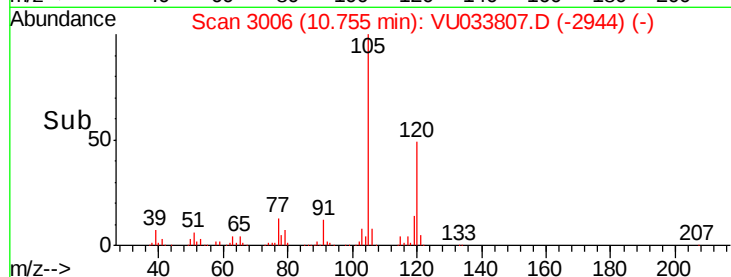
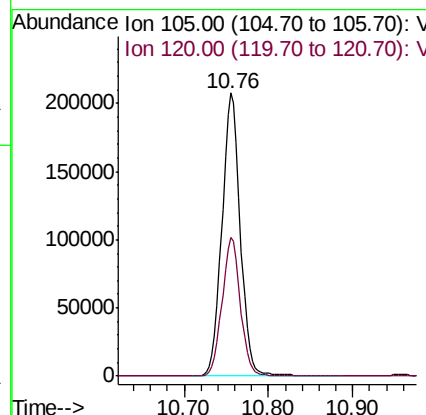
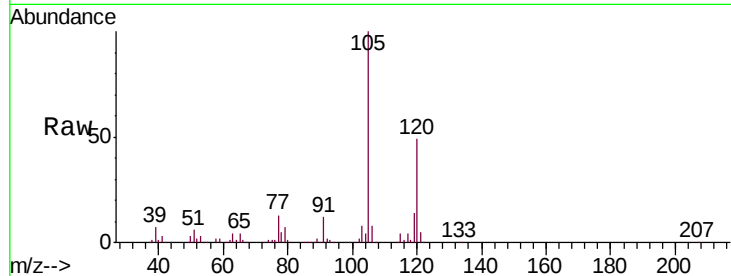




#62
 1,3,5-Trimethylbenzene
 Concen: 4.826 ug/L
 RT: 10.76 min Scan# 3006
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

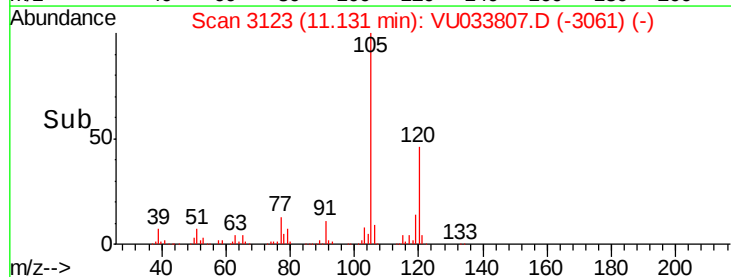
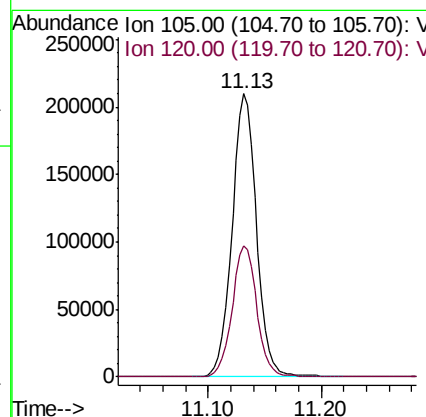
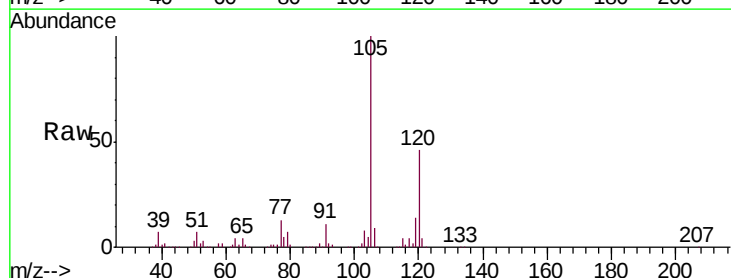
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

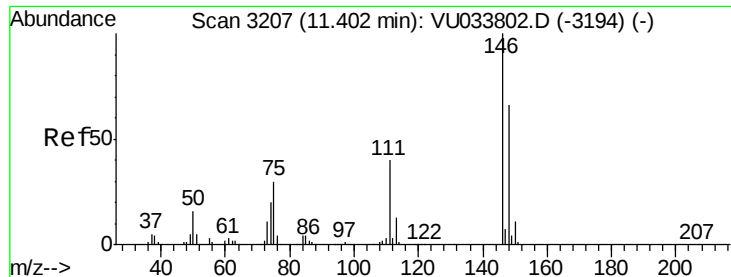
Tgt Ion:105 Resp: 314101
 Ion Ratio Lower Upper
 105 100
 120 49.0 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.847 ug/L
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

Tgt Ion:105 Resp: 314803
 Ion Ratio Lower Upper
 105 100
 120 46.8 36.5 54.7

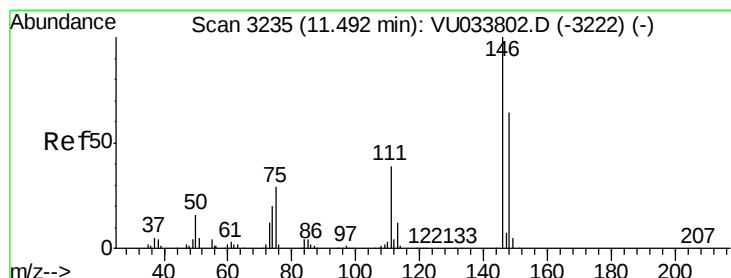
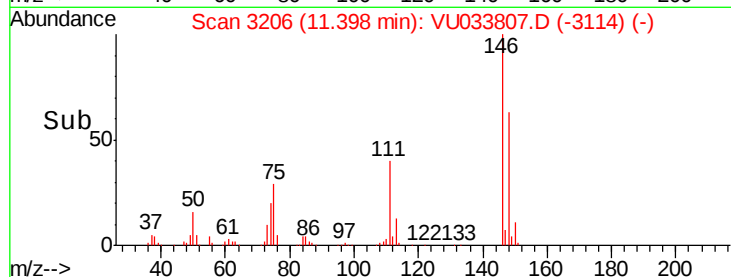
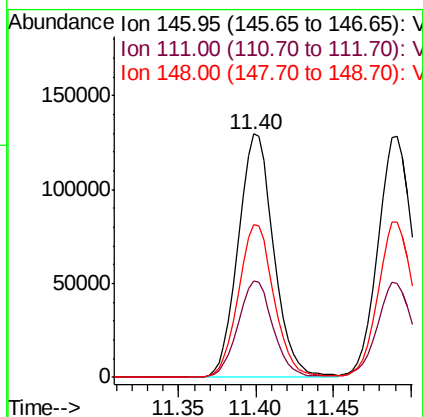
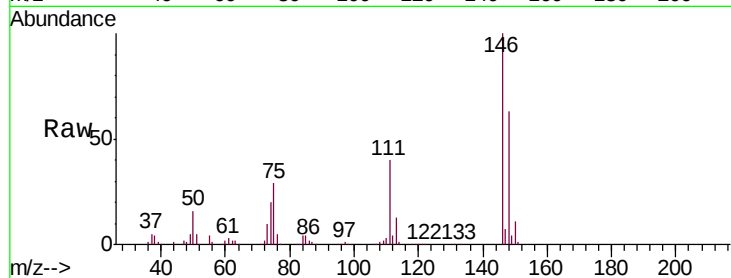




#64
 1,3-Dichlorobenzene
 Concen: 4.832 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

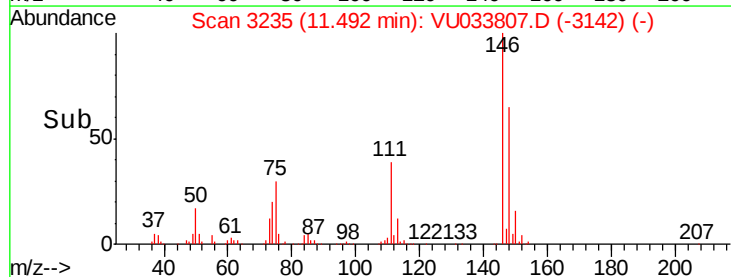
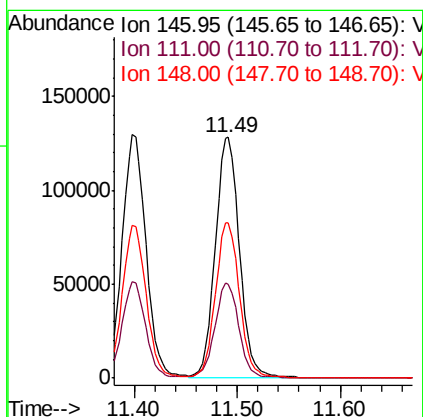
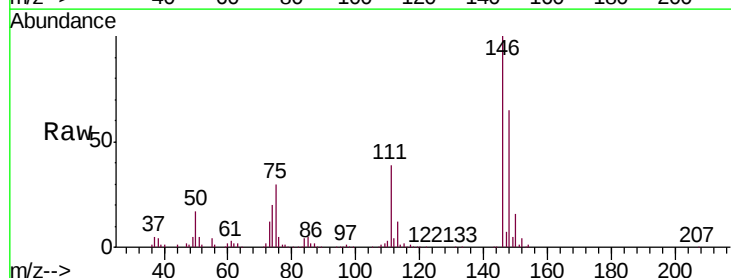
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

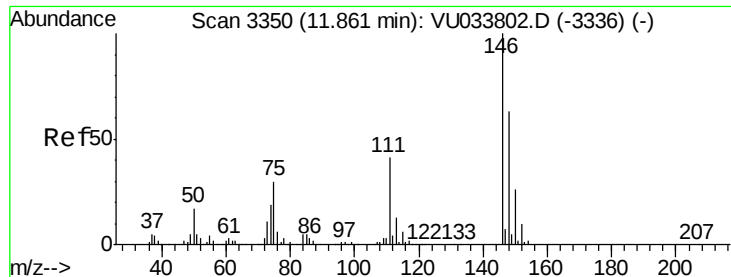
Tgt Ion:146 Resp: 207256
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.5 52.9
 148 62.7 44.6 82.8



#65
 1,4-Dichlorobenzene
 Concen: 4.722 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

Tgt Ion:146 Resp: 208535
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.2 48.8
 148 64.7 44.2 82.0

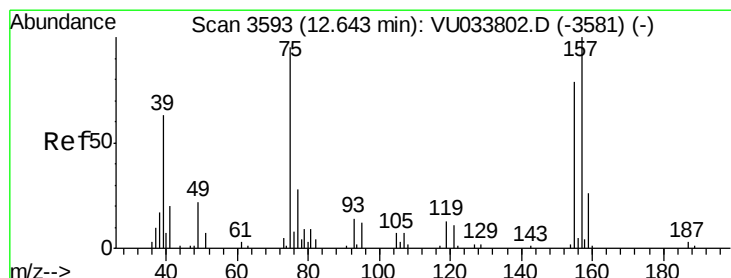
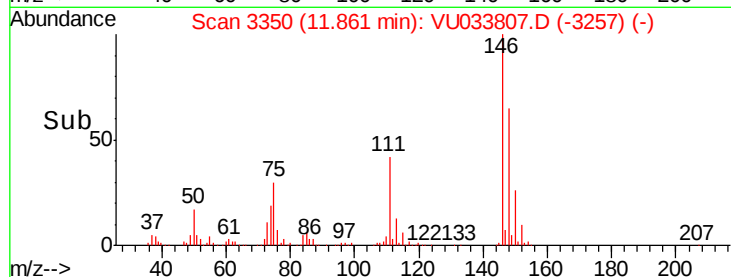
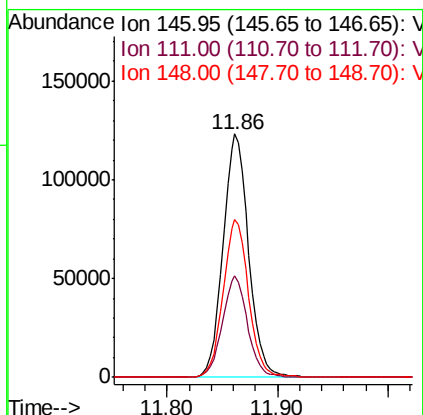
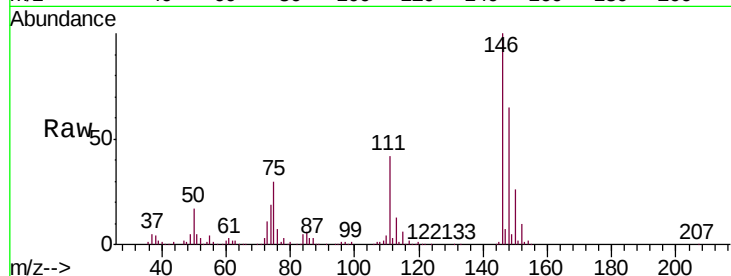




#67
 1,2-Dichlorobenzene
 Concen: 4.778 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

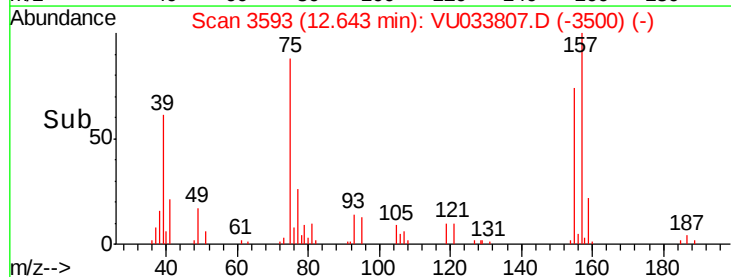
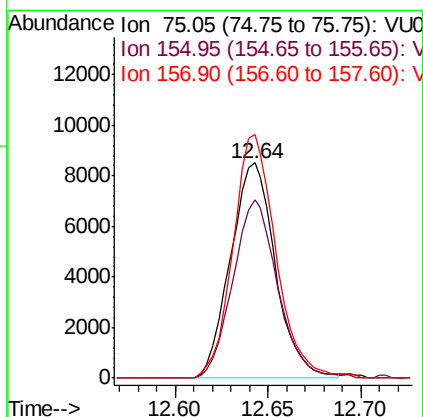
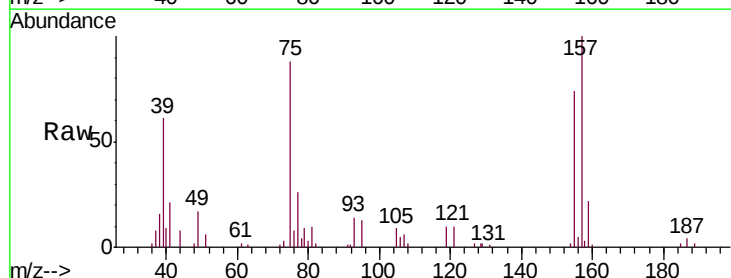
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

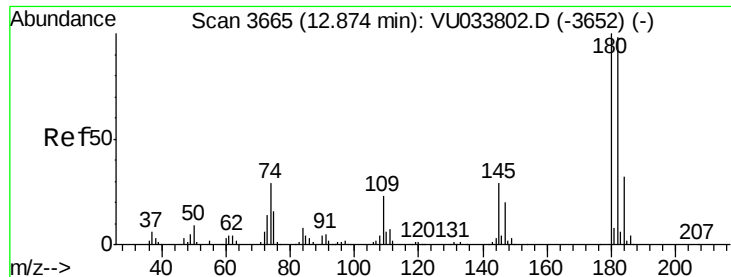
Tgt Ion: 146 Resp: 197888
 Ion Ratio Lower Upper
 146 100
 111 41.5 32.7 49.1
 148 65.1 50.6 76.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.672 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

Tgt Ion: 75 Resp: 14249
 Ion Ratio Lower Upper
 75 100
 155 83.3 67.3 100.9
 157 113.3 85.3 127.9

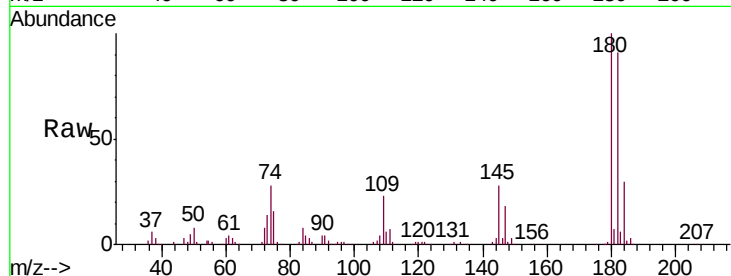




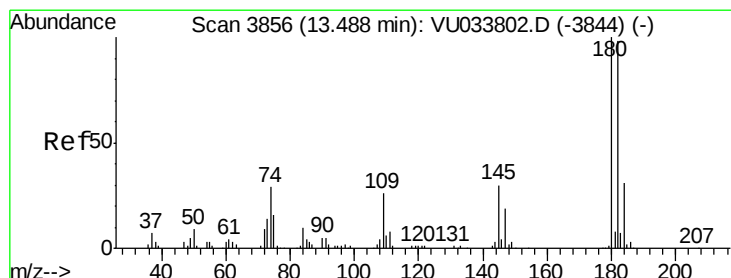
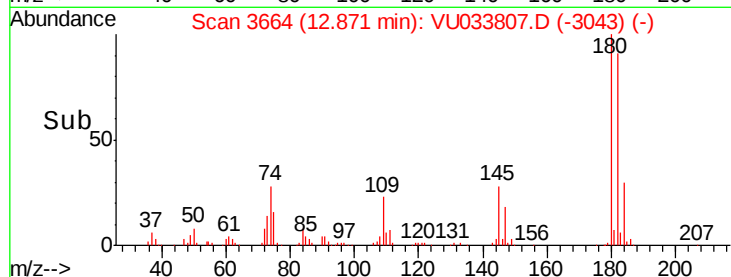
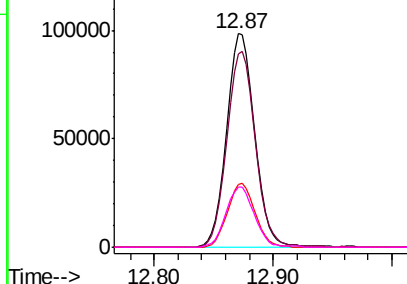
#69
 1,3,5-Trichlorobenzene
 Concen: 4.779 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion:	180	Resp:	161235
Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.6	114.8
184	29.5	24.4	36.6
145	28.6	23.3	34.9

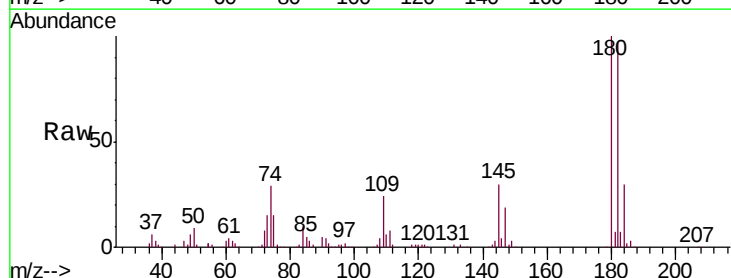


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

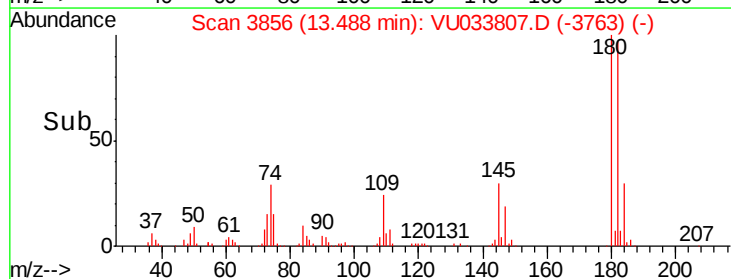
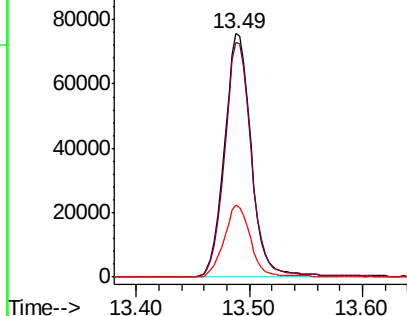


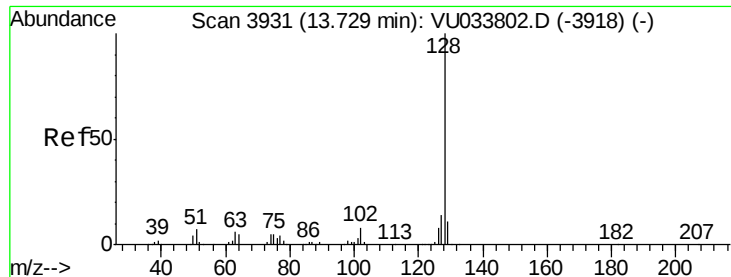
#70
 1,2,4-trichlorobenzene
 Concen: 4.751 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033807.D
 Acq: 15 Aug 2019 13:50

Tgt Ion:	180	Resp:	124749
Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.4	116.2
145	29.0	23.5	35.3



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

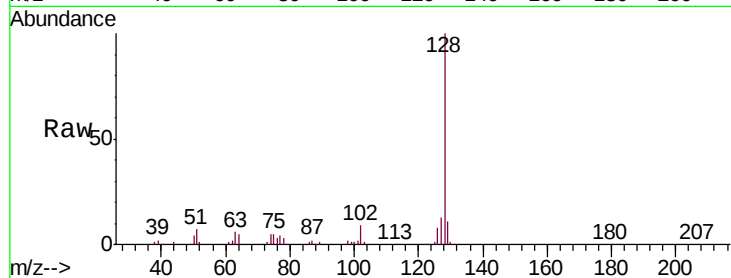




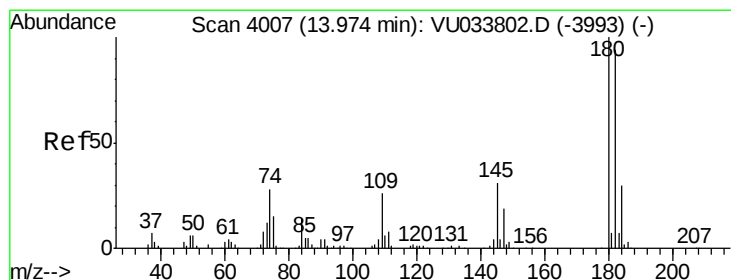
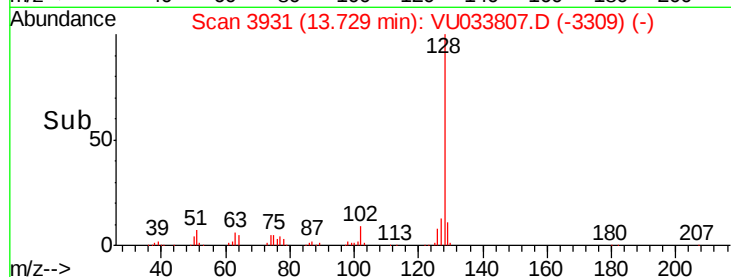
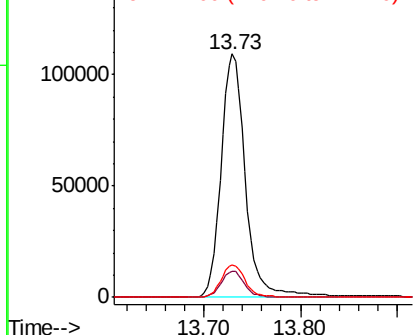
#71
Naphthalene
Concen: 4.731 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.5	12.7
127	13.1	11.2	16.8

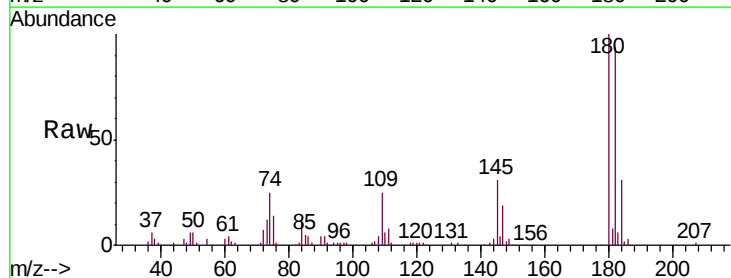


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 5.078 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033807.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.7	113.5
145	30.1	24.3	36.5



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

