

Data File : VU036370.D
Acq On : 30 Dec 2019 14:26
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Quant Time: Dec 31 07:29:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 30 06:07:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	343503	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	319993	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	153657	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	105461	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.93	69	93780	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.59	63	201097	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.68	46	288619	45.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.68%
24) Chloroform-d	5.11	84	225177	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.75	65	118199	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.77	84	423532	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.73	67	136373	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.93	98	392515	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.21	79	60594	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.67	63	269692	45.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.80%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	117785	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	137598	4.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	125719	4.582 ug/L	99
3) Chloromethane	1.54	50	121406	4.577 ug/L	99
5) Vinyl chloride	1.62	62	130265	4.532 ug/L	100
6) Bromomethane	1.87	94	71823	4.336 ug/L	98
8) Chloroethane	1.95	64	77003	4.528 ug/L	98
9) Trichlorofluoromethane	2.16	101	188905	4.633 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	98678	4.654 ug/L	97
12) 1,1-Dichloroethene	2.61	96	94840	4.536 ug/L	96
13) Acetone	2.67	43	169797	41.404 ug/L	93
14) Carbon disulfide	2.82	76	311760	4.546 ug/L	99
15) Methyl Acetate	2.99	43	40057	4.426 ug/L	98
16) Methylene chloride	3.08	84	110400	4.159 ug/L	99
17) Methyl tert-butyl Ether	3.41	73	272208	4.500 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	105384	4.502 ug/L	94
19) 1,1-Dichloroethane	3.92	63	199660	4.710 ug/L	98
21) 2-Butanone	4.76	43	301958	45.504 ug/L	94
22) cis-1,2-Dichloroethene	4.71	96	119814	4.560 ug/L #	98

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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	49193	4.494	ug/L	93
25) Chloroform	5.13	83	203691	4.526	ug/L	95
27) 1,2-Dichloroethane	5.84	62	135507	4.572	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	187257	4.704	ug/L	99
30) Cyclohexane	5.43	56	189787	4.793	ug/L	94
31) Carbon tetrachloride	5.56	117	162839	4.811	ug/L	98
33) Benzene	5.81	78	452302	4.770	ug/L	100
34) Trichloroethene	6.58	95	121150	4.744	ug/L	99
35) Methylcyclohexane	6.80	83	200418	4.952	ug/L	99
37) 1,2-Dichloropropane	6.83	63	116707	4.772	ug/L	100
38) Bromodichloromethane	7.14	83	154737	4.584	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	190104	4.741	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	789718	45.836	ug/L	99
42) Toluene	8.00	91	488034	4.652	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	155783	4.729	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	82346	4.629	ug/L	99
47) Tetrachloroethene	8.58	164	83205	4.629	ug/L	97
48) 2-Hexanone	8.72	43	565833	46.399	ug/L	99
49) Dibromochloromethane	8.84	129	107529	4.568	ug/L	97
50) 1,2-Dibromoethane	8.95	107	84700	4.697	ug/L	100
51) Chlorobenzene	9.47	112	302996	4.632	ug/L	97
52) Ethylbenzene	9.60	91	557453	4.794	ug/L	99
53) m,p-Xylene	9.72	106	210522	4.712	ug/L	98
54) o-Xylene	10.12	106	203924	4.699	ug/L	95
55) Styrene	10.14	104	343243	4.654	ug/L	98
56) Isopropylbenzene	10.51	105	551514	4.787	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	110250	4.597	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	79227	4.695	ug/L	97
61) Bromoform	10.32	173	59983	4.377	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	239780	4.668	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	233008	4.587	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	225206	4.655	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	19305	4.341	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	169443	4.642	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	125514	4.683	ug/L	99
69) Naphthalene	14.10	128	200143	4.288	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	113877	4.407	ug/L	98

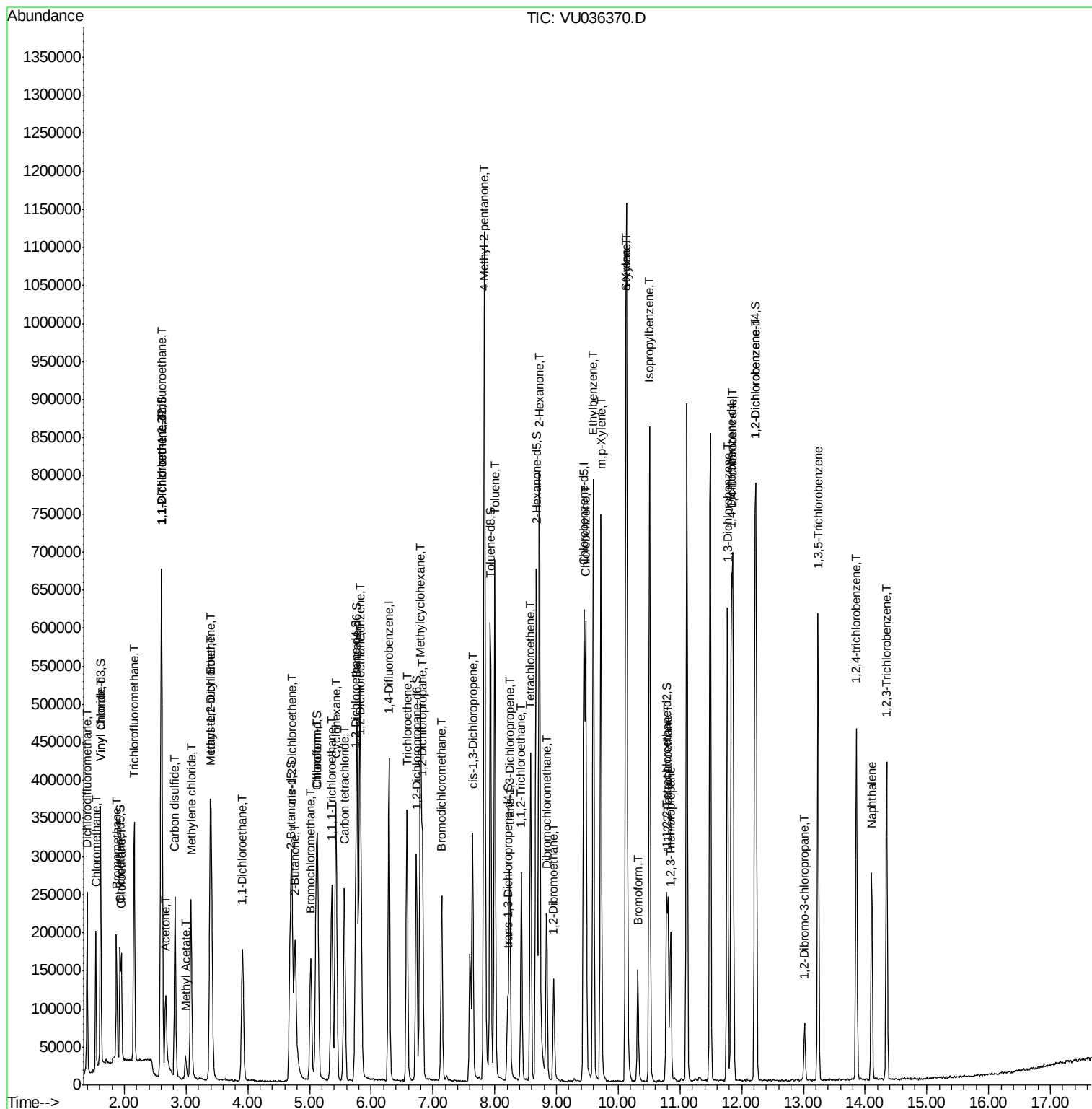
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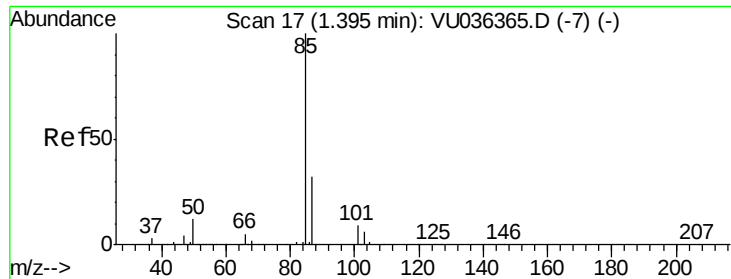
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#2

Dichlorodifluoromethane

Concen: 4.582 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

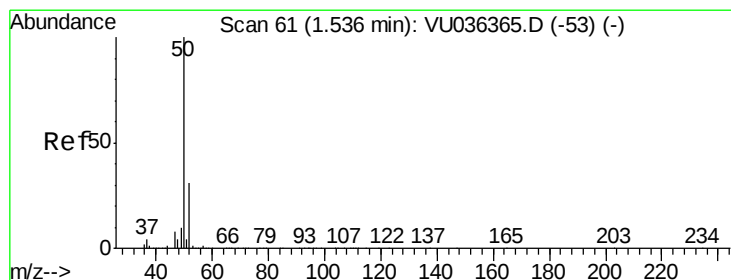
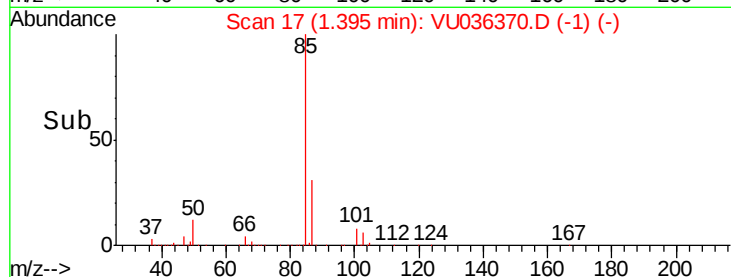
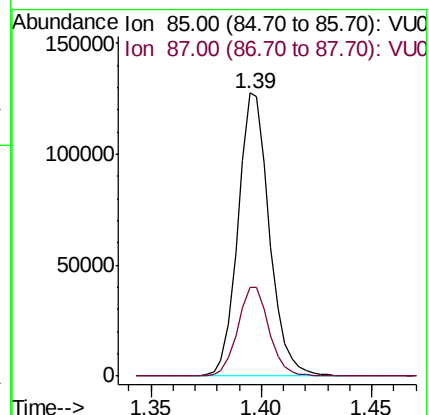
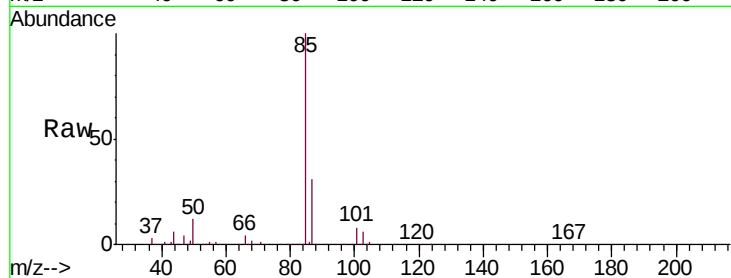
VSTD00530

Tgt Ion: 85 Resp: 125719

Ion Ratio Lower Upper

85 100

87 31.6 25.8 38.8



#3

Chloromethane

Concen: 4.577 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036370.D

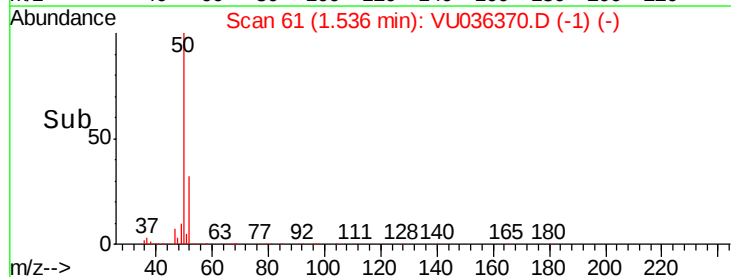
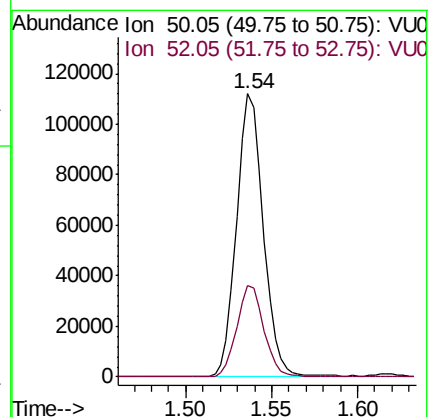
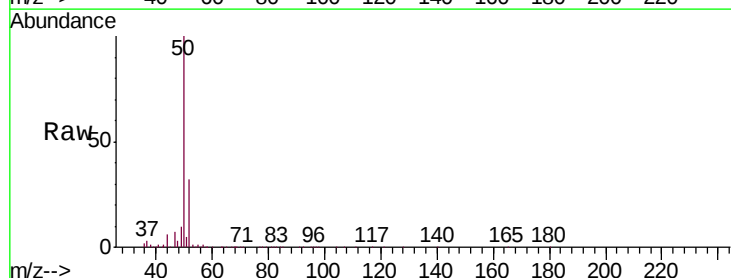
Acq: 30 Dec 2019 14:26

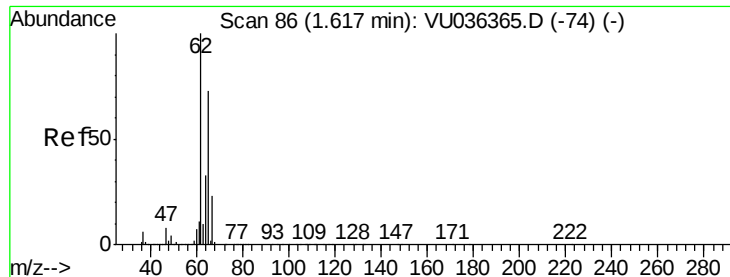
Tgt Ion: 50 Resp: 121406

Ion Ratio Lower Upper

50 100

52 32.2 22.0 40.8





#5

Vinyl chloride

Concen: 4.532 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

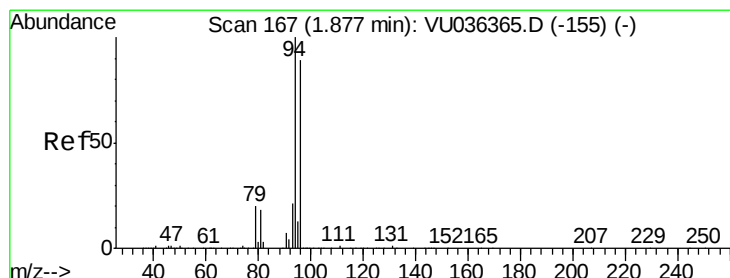
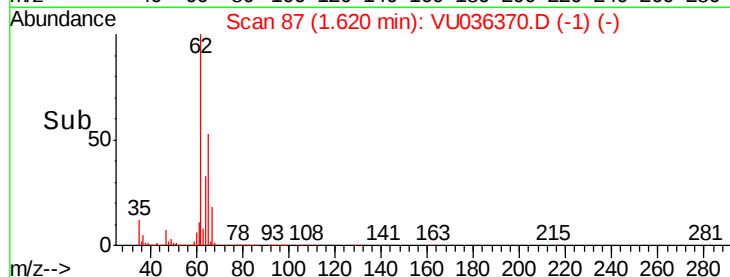
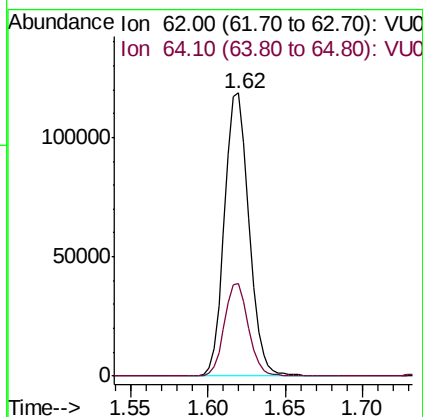
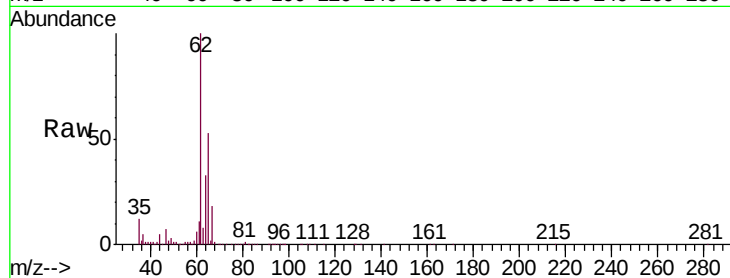
VSTD00530

Tgt Ion: 62 Resp: 130265

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 4.336 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036370.D

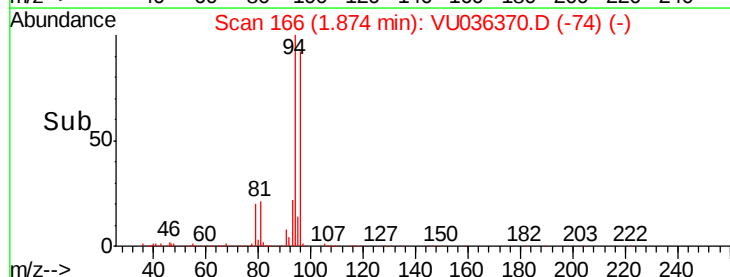
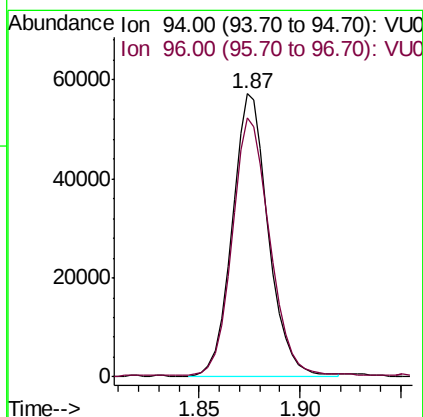
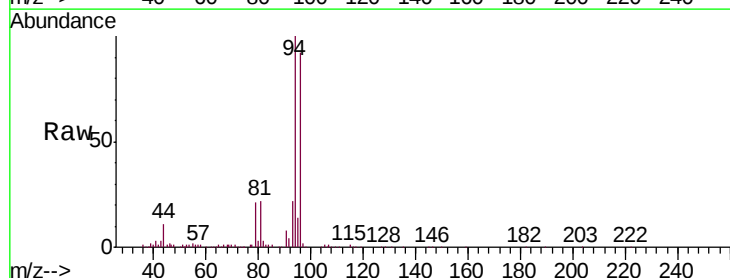
Acq: 30 Dec 2019 14:26

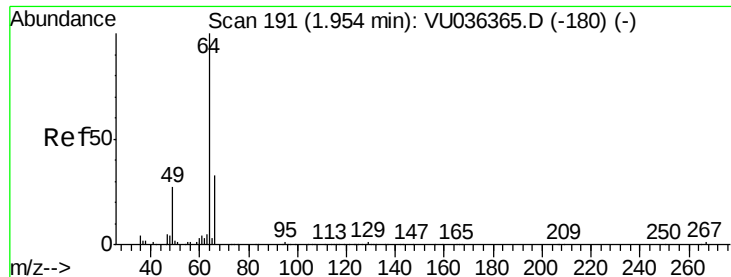
Tgt Ion: 94 Resp: 71823

Ion Ratio Lower Upper

94 100

96 91.6 62.9 116.7





#8

Chloroethane

Concen: 4.528 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

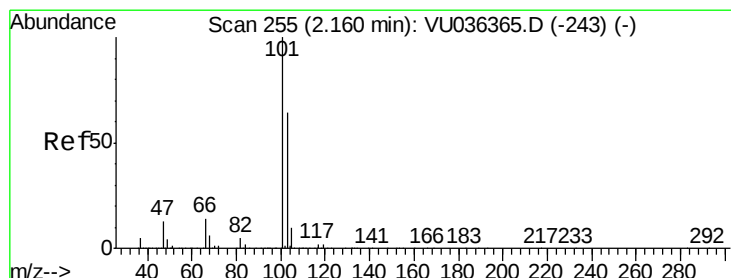
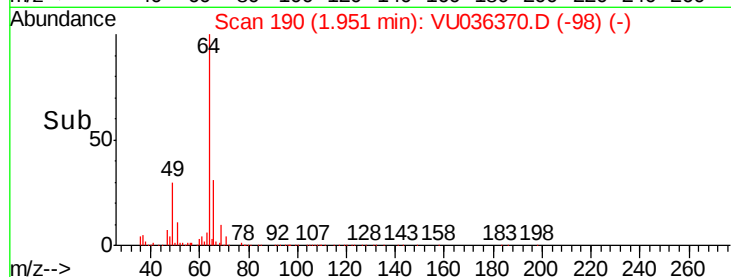
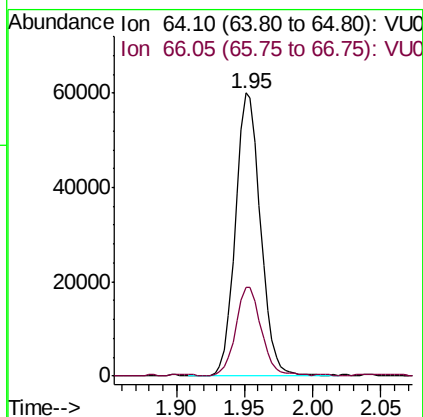
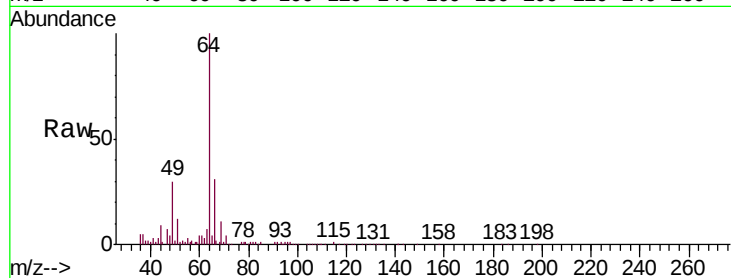
VSTD00530

Tgt Ion: 64 Resp: 77003

Ion Ratio Lower Upper

64 100

66 31.5 23.0 42.6



#9

Trichlorofluoromethane

Concen: 4.633 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU036370.D

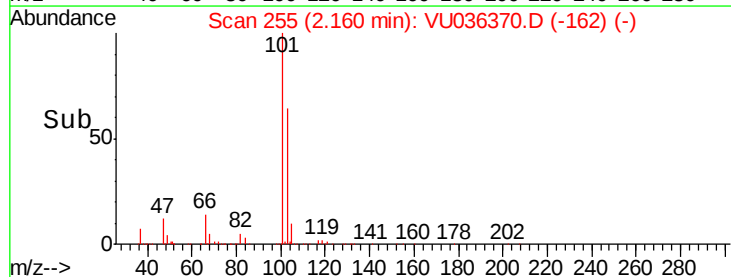
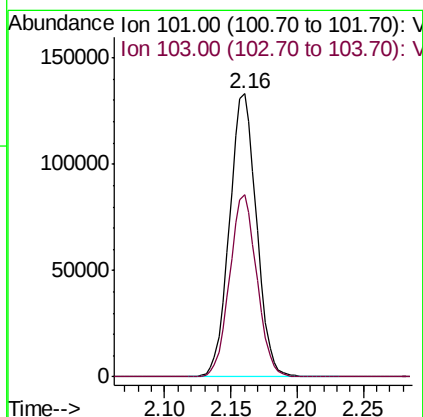
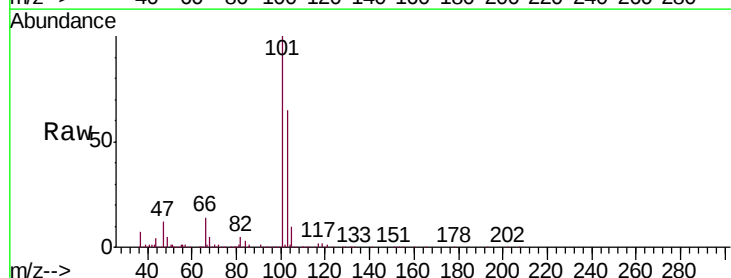
Acq: 30 Dec 2019 14:26

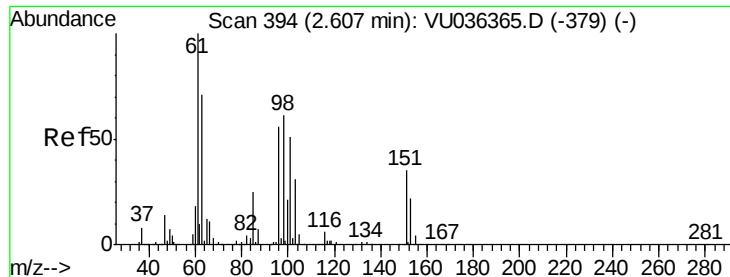
Tgt Ion: 101 Resp: 188905

Ion Ratio Lower Upper

101 100

103 64.7 52.8 79.2





#10

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

Concen: 4.654 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

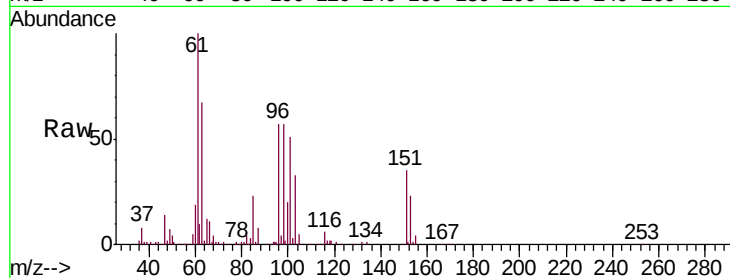
Tgt Ion: 101 Resp: 98678

Ion Ratio Lower Upper

101 100

85 46.8 39.1 58.7

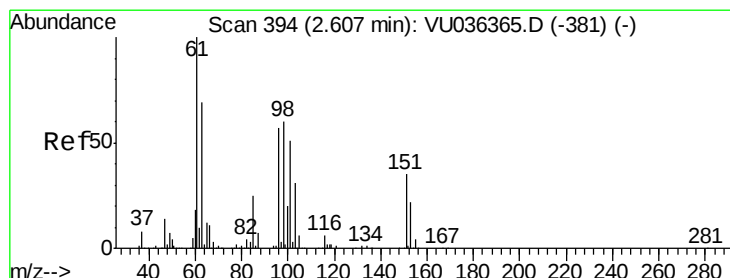
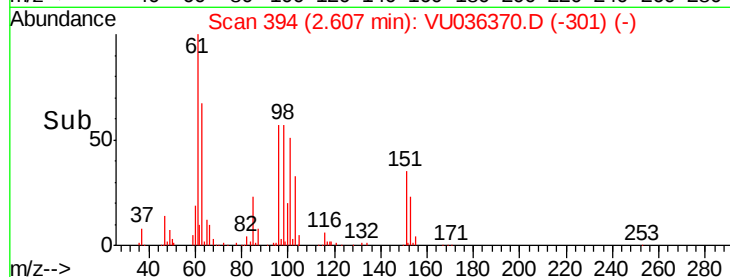
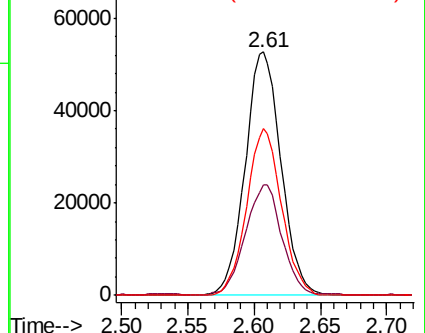
151 66.5 54.9 82.3



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: 4.536 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

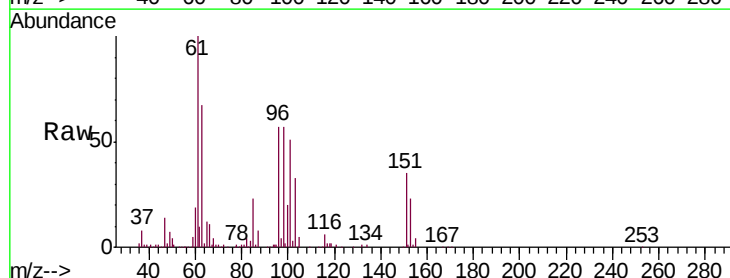
Tgt Ion: 96 Resp: 94840

Ion Ratio Lower Upper

96 100

61 175.3 123.8 230.0

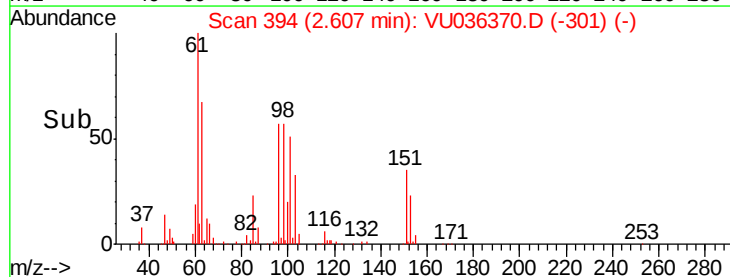
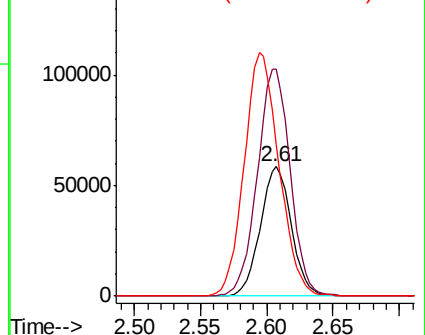
63 117.7 89.0 165.4

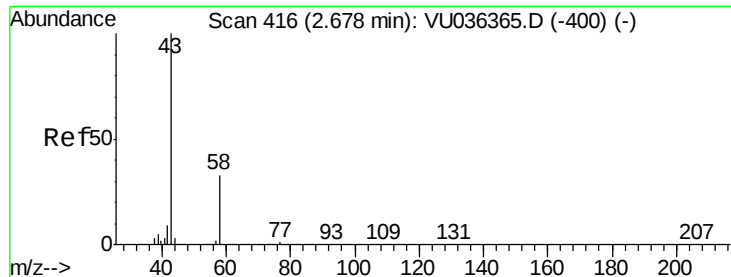


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 41.404 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

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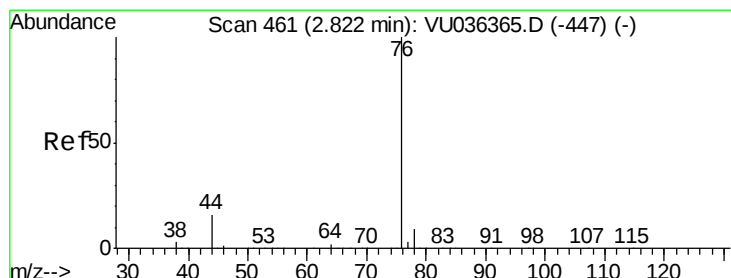
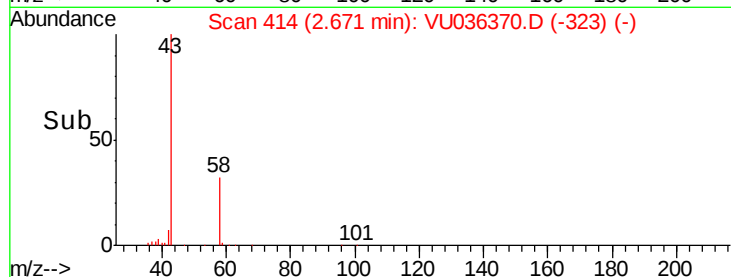
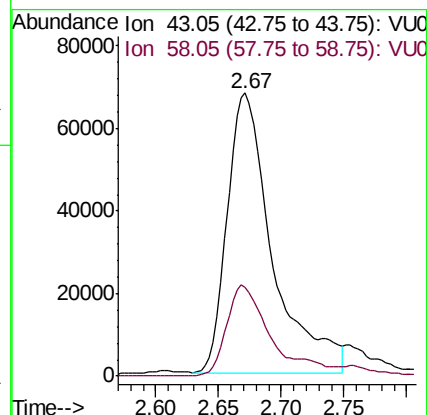
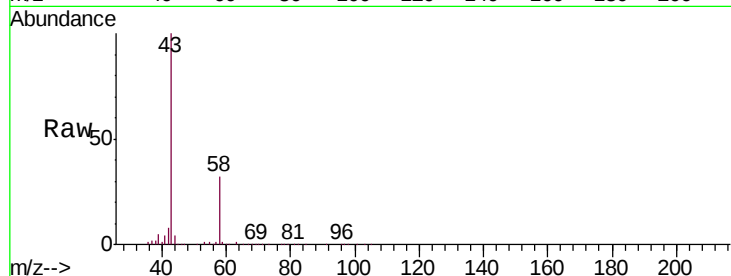
VSTD00530

Tgt Ion: 43 Resp: 169797

Ion Ratio Lower Upper

43 100

58 32.3 0.0 57.0



#14

Carbon disulfide

Concen: 4.546 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036370.D

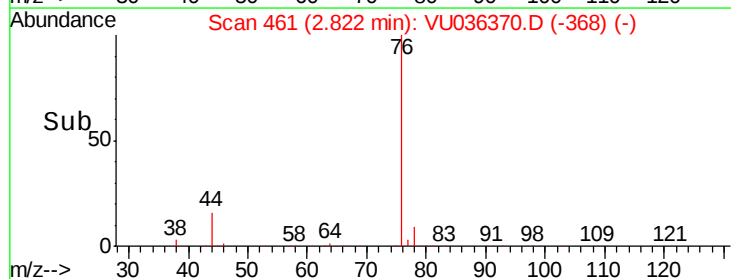
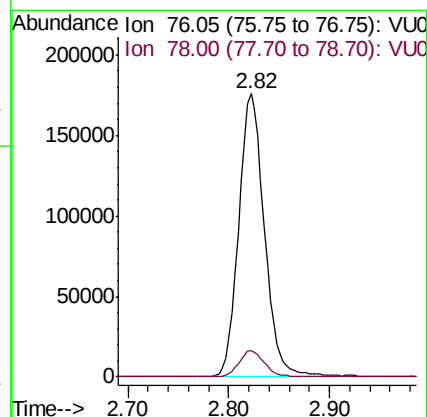
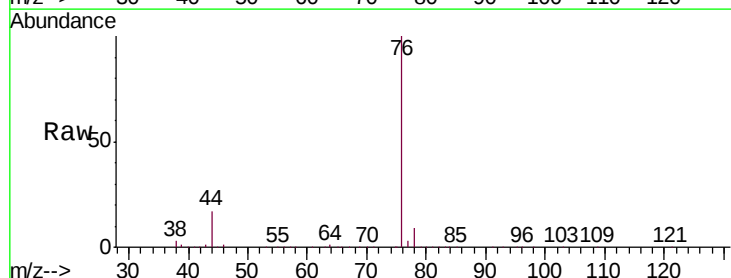
Acq: 30 Dec 2019 14:26

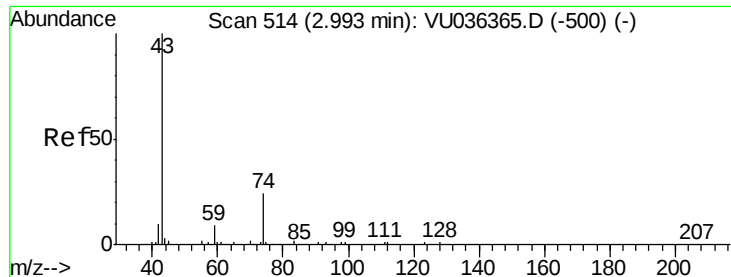
Tgt Ion: 76 Resp: 311760

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4





#15

Methyl Acetate

Concen: 4.426 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

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ClientSampleId :

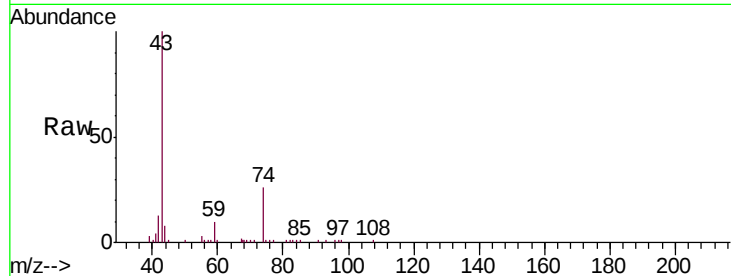
VSTD00530

Tgt Ion: 43 Resp: 40057

Ion Ratio Lower Upper

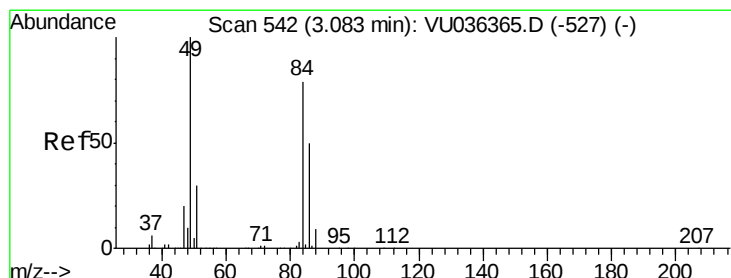
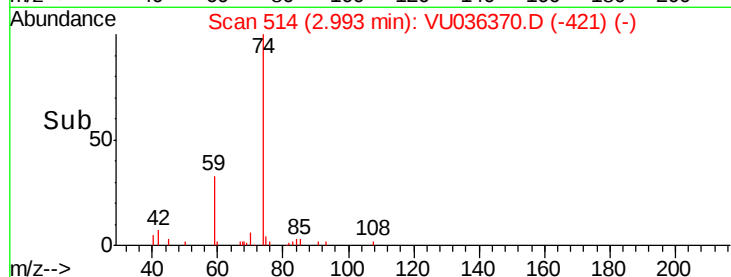
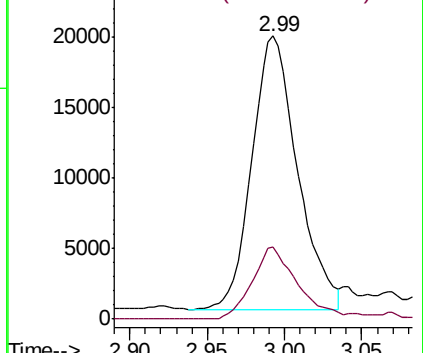
43 100

74 25.9 20.1 30.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.159 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

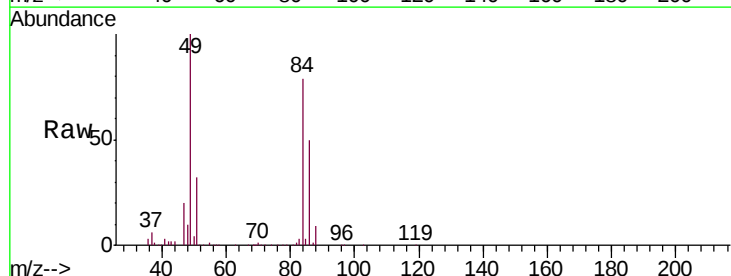
Tgt Ion: 84 Resp: 110400

Ion Ratio Lower Upper

84 100

86 62.7 44.4 82.5

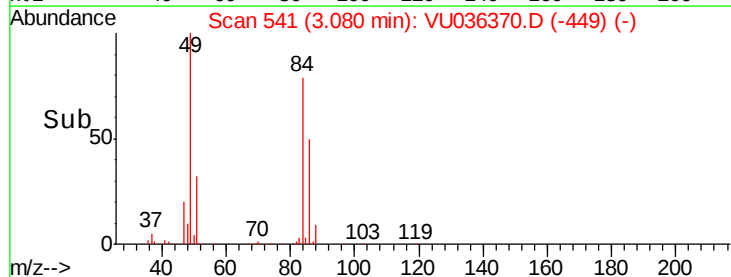
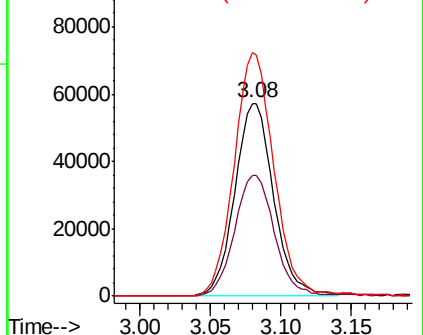
49 126.2 89.0 165.2

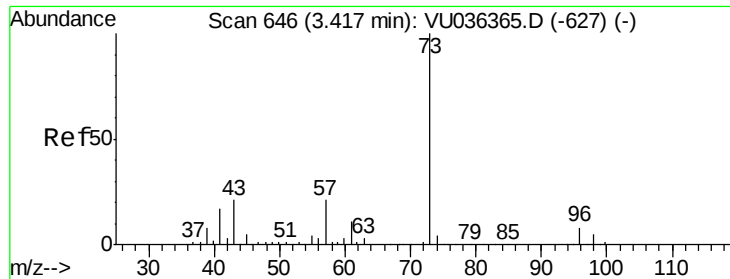


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



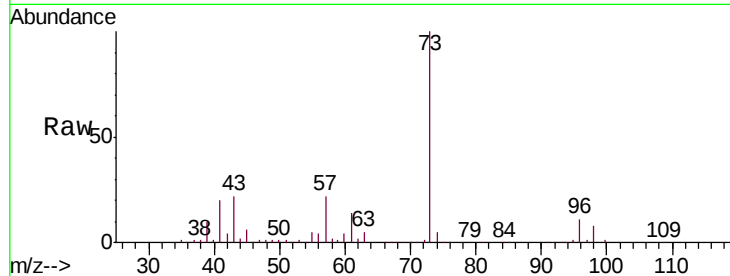


#17

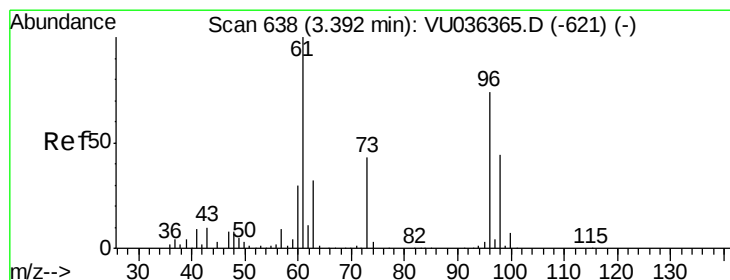
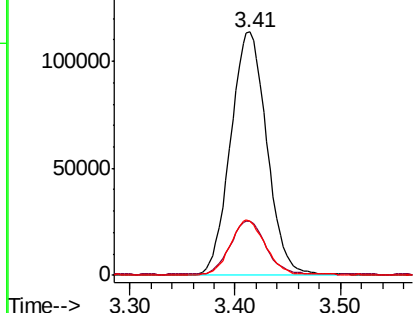
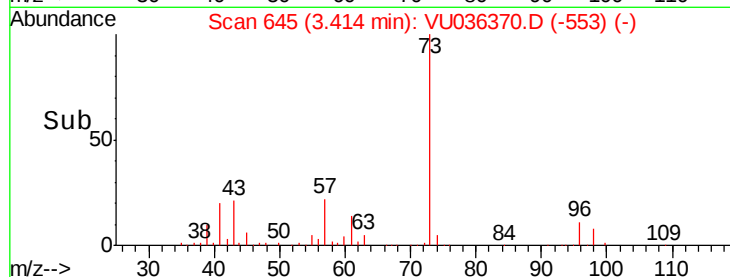
Methyl tert-butyl Ether
Concen: 4.500 ug/L
RT: 3.41 min Scan# 645
Delta R.T. -0.00 min
Lab File: VU036370.D
Acq: 30 Dec 2019 14:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tgt Ion: 73 Resp: 272208
Ion Ratio Lower Upper
73 100
43 21.0 16.3 24.5
57 21.2 17.9 26.9



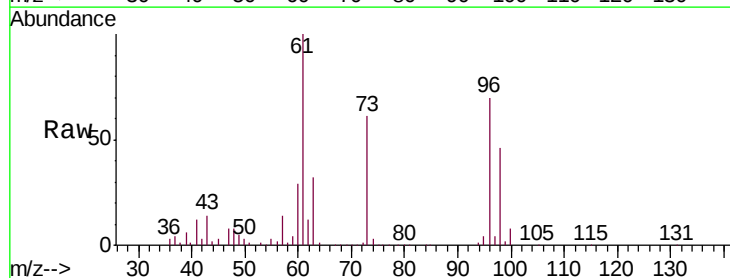
Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



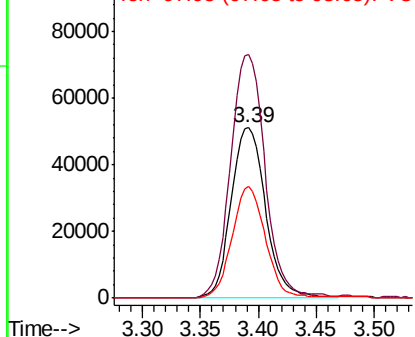
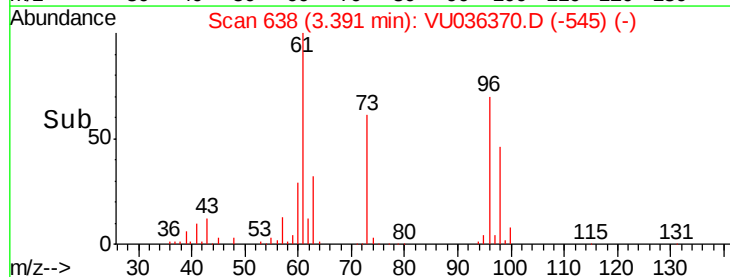
#18

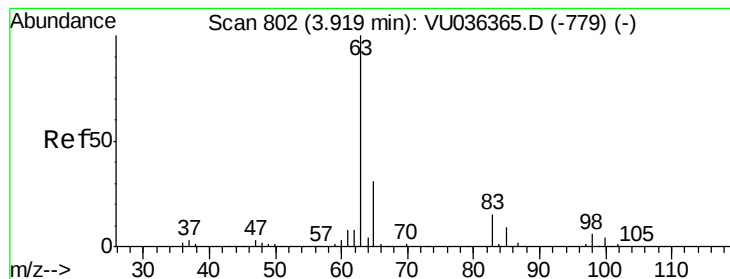
trans-1,2-Dichloroethene
Concen: 4.502 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU036370.D
Acq: 30 Dec 2019 14:26

Tgt Ion: 96 Resp: 105384
Ion Ratio Lower Upper
96 100
61 143.0 94.8 176.2
98 65.4 42.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.710 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

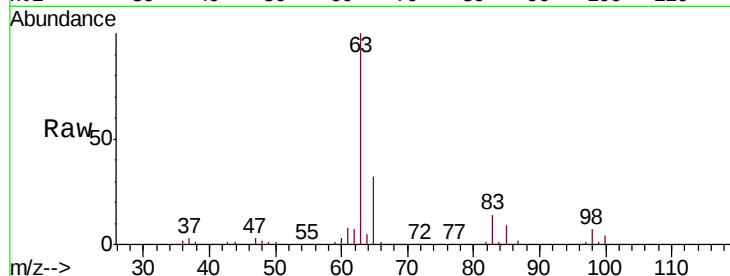
Tgt Ion: 63 Resp: 199660

Ion Ratio Lower Upper

63 100

65 32.2 21.9 40.7

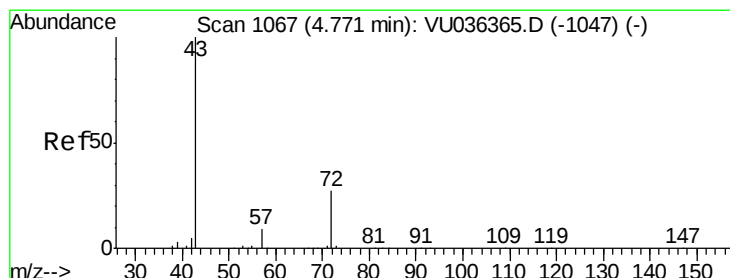
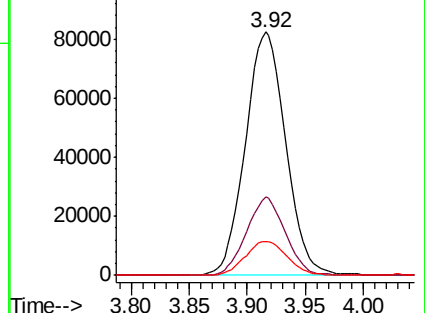
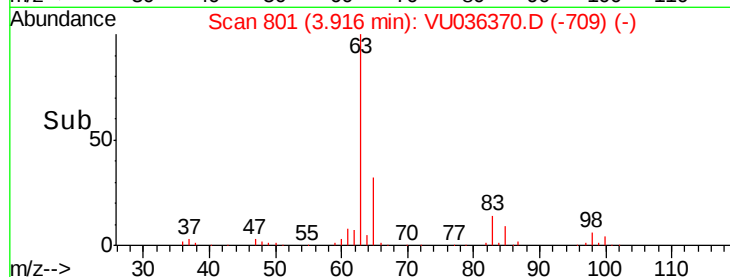
83 13.6 10.6 19.8



Abundance Ion 63.10 (62.80 to 63.80): VU036370.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU036370.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU036370.D (-709) (-)



#21

2-Butanone

Concen: 45.504 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VU036370.D

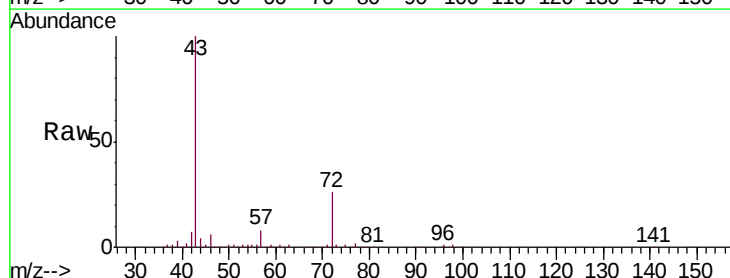
Acq: 30 Dec 2019 14:26

Tgt Ion: 43 Resp: 301958

Ion Ratio Lower Upper

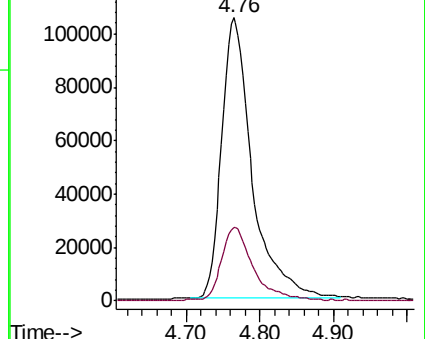
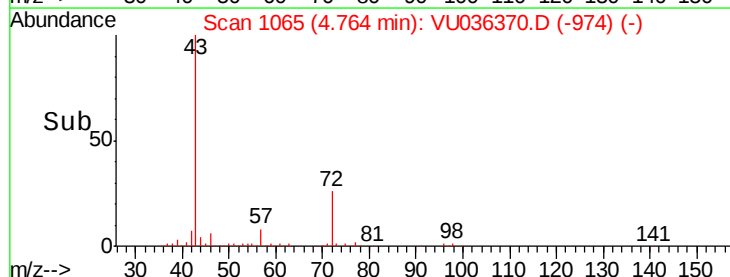
43 100

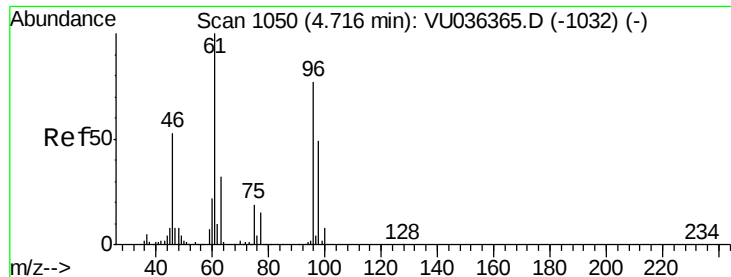
72 28.1 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VU036370.D (-974) (-)

Ion 72.10 (71.80 to 72.80): VU036370.D (-974) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.560 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

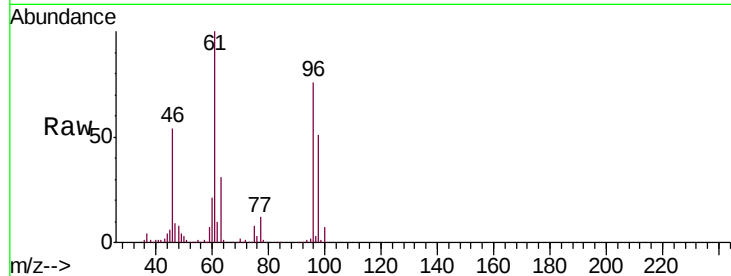
Tgt Ion: 96 Resp: 119814

Ion Ratio Lower Upper

96 100

61 131.9 90.5 168.1

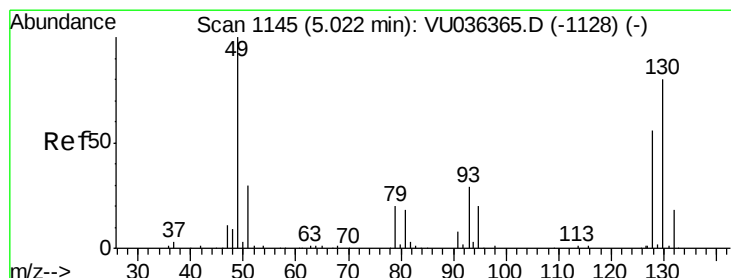
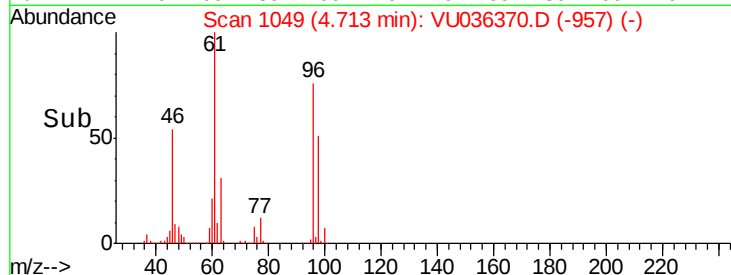
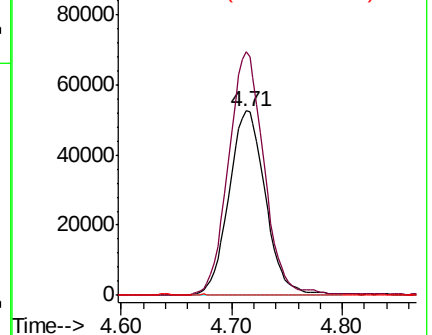
68 0.0 0.3 0.5#



Abundance Ion 96.00 (95.70 to 96.70): VU036370.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036370.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036370.D (-957) (-)



#23

Bromochloromethane

Concen: 4.494 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Tgt Ion: 128 Resp: 49193

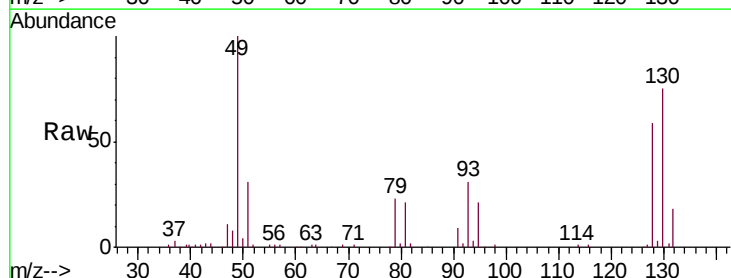
Ion Ratio Lower Upper

128 100

49 170.6 124.2 230.6

130 127.1 99.3 184.3

51 52.4 42.7 64.1

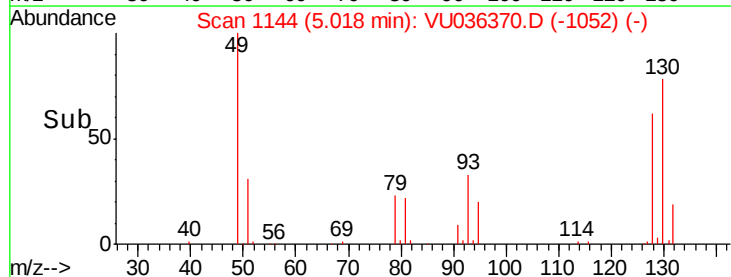
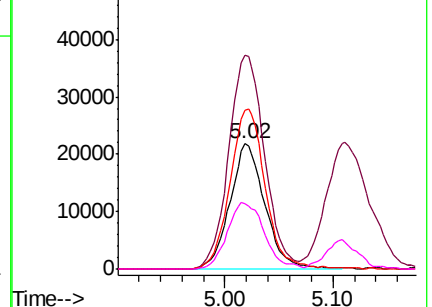


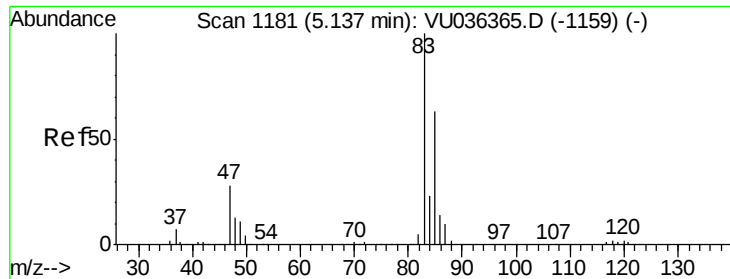
Abundance Ion 127.90 (127.60 to 128.60): VU036370.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU036370.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU036370.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU036370.D (-1052) (-)

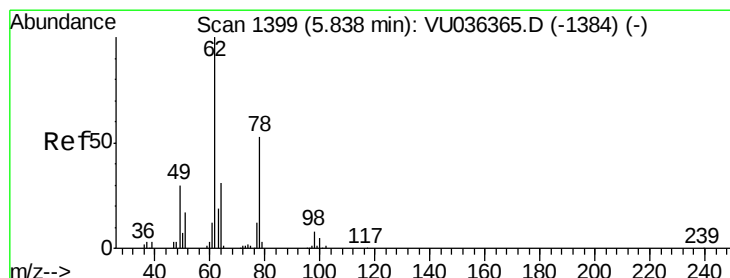
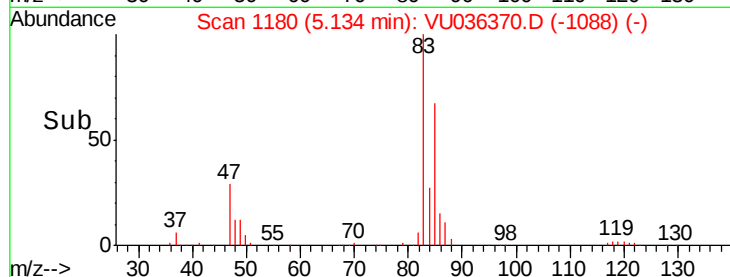
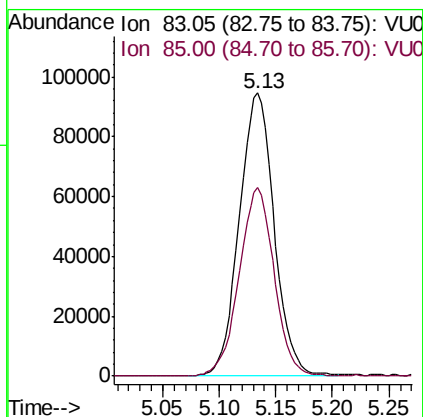
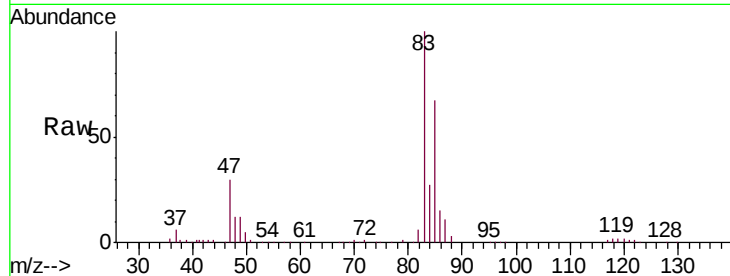




#25
Chloroform
Concen: 4.526 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036370.D
Acq: 30 Dec 2019 14:26

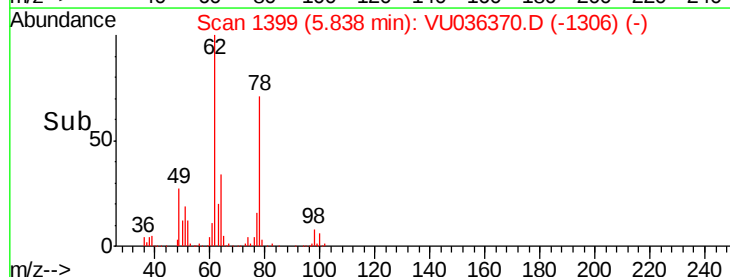
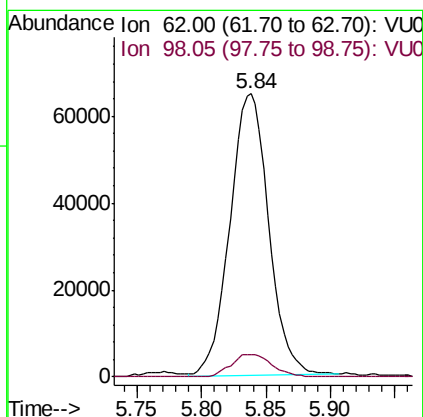
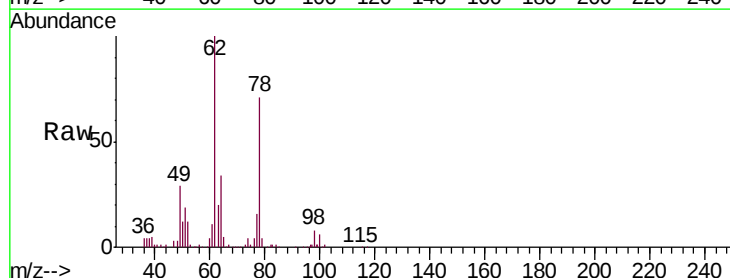
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

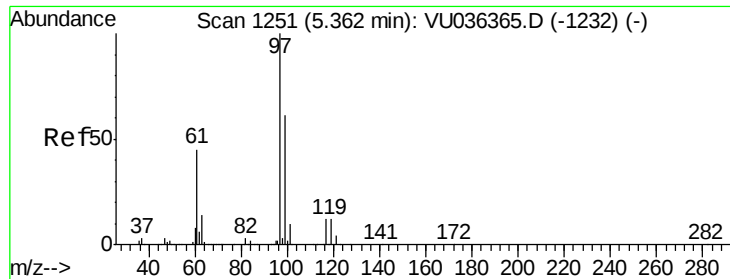
Tgt Ion: 83 Resp: 203691
Ion Ratio Lower Upper
83 100
85 66.6 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.572 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036370.D
Acq: 30 Dec 2019 14:26

Tgt Ion: 62 Resp: 135507
Ion Ratio Lower Upper
62 100
98 7.9 6.6 10.0

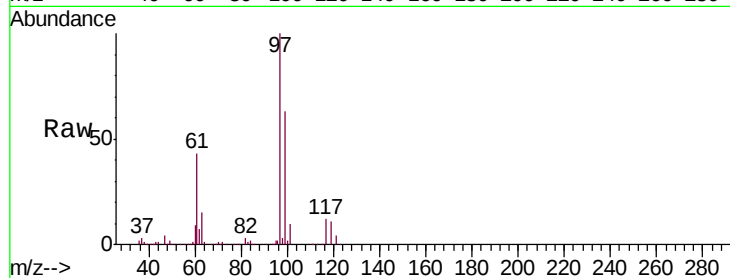




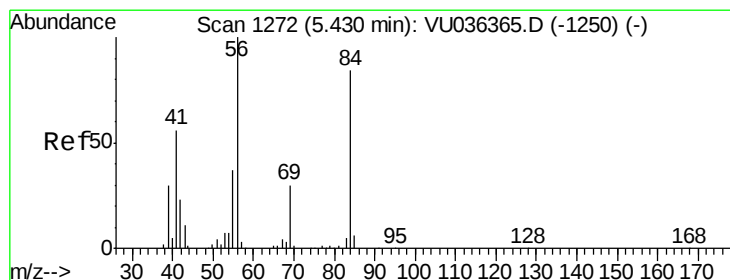
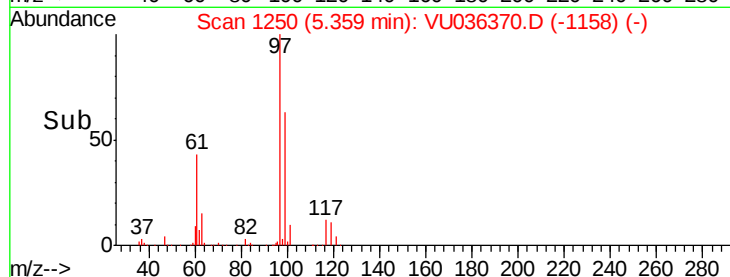
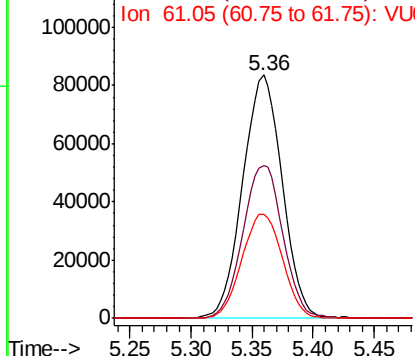
#29
1,1,1-Trichloroethane
Concen: 4.704 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036370.D
Acq: 30 Dec 2019 14:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tgt Ion: 97 Resp: 187257
Ion Ratio Lower Upper
97 100
99 63.7 50.1 75.1
61 44.2 35.0 52.4

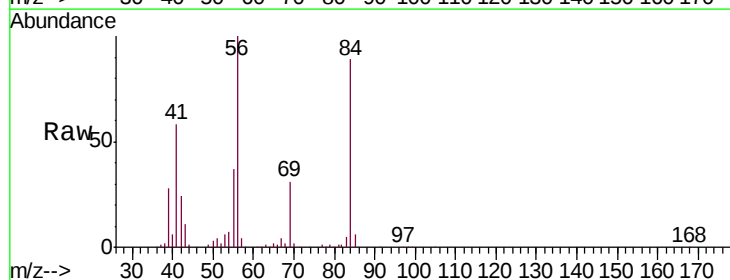


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

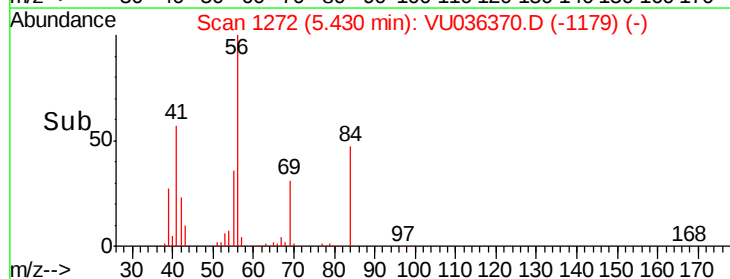
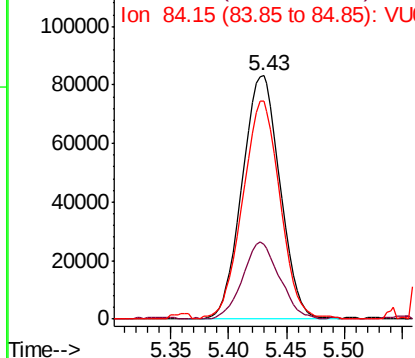


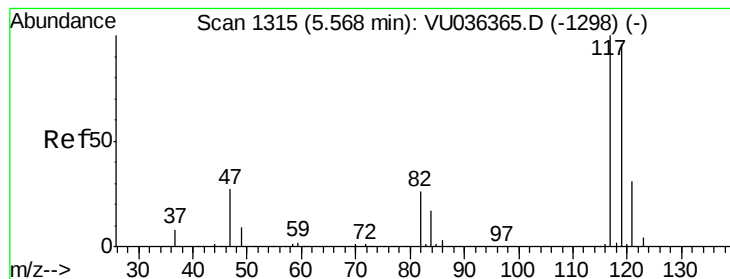
#30
Cyclohexane
Concen: 4.793 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036370.D
Acq: 30 Dec 2019 14:26

Tgt Ion: 56 Resp: 189787
Ion Ratio Lower Upper
56 100
69 30.8 23.6 35.4
84 88.7 66.0 99.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.811 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

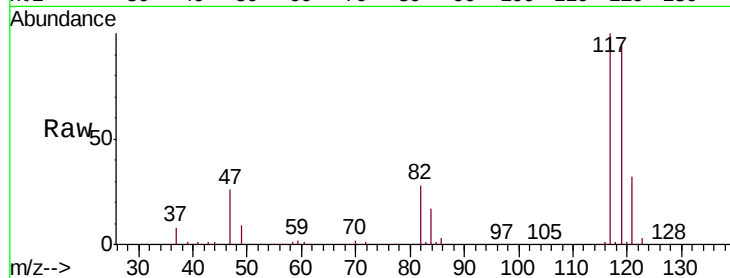
VSTD00530

Tgt Ion:117 Resp: 162839

Ion Ratio Lower Upper

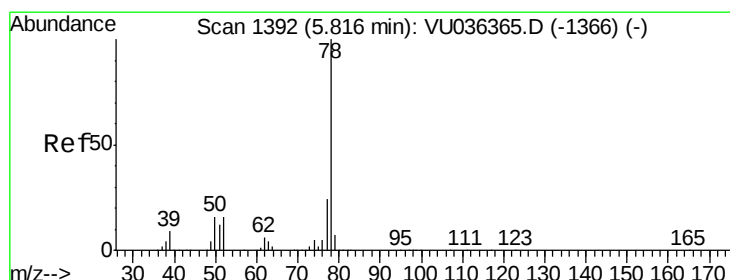
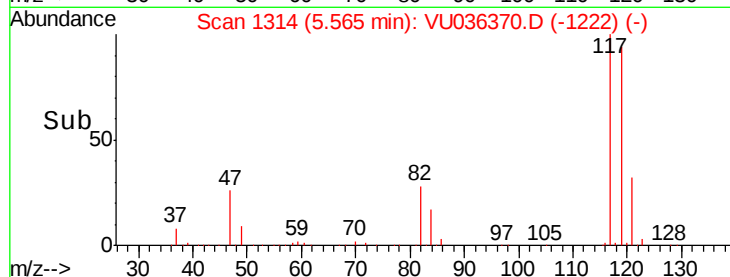
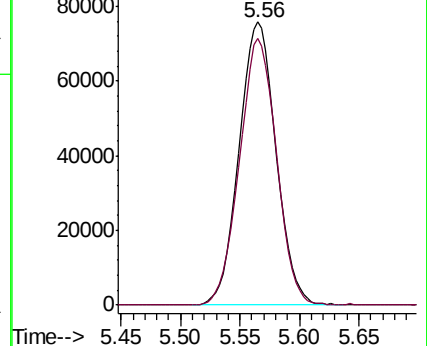
117 100

119 94.4 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.770 ug/L

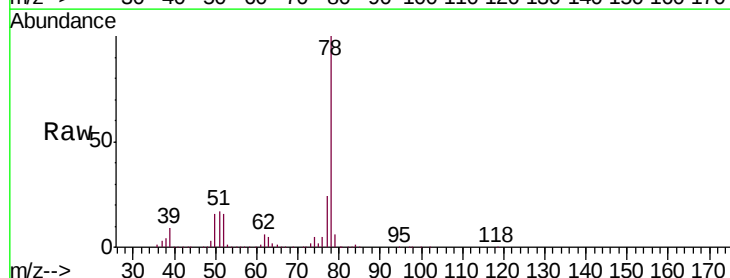
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

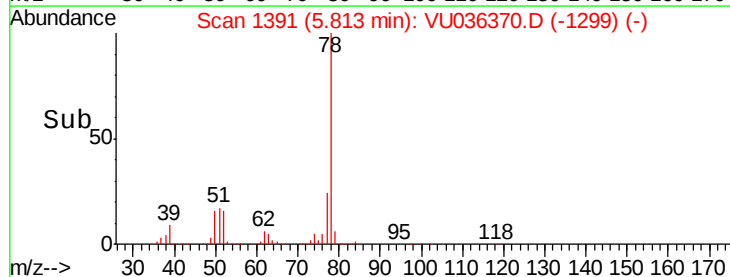
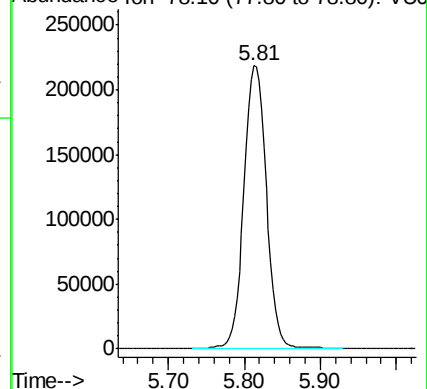
Lab File: VU036370.D

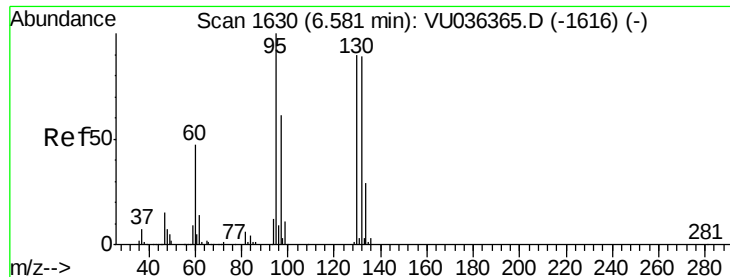
Acq: 30 Dec 2019 14:26

Tgt Ion: 78 Resp: 452302



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.744 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tgt Ion: 95 Resp: 121150

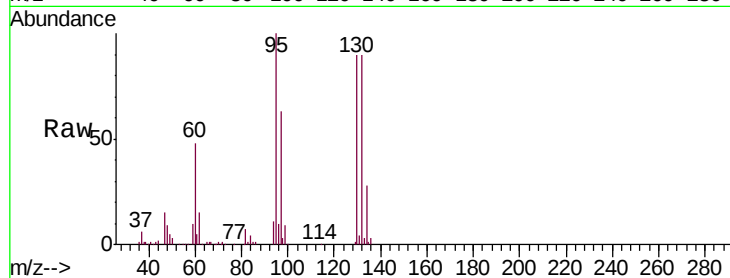
Ion Ratio Lower Upper

95 100

97 63.0 42.9 79.7

132 89.6 62.4 116.0

130 90.2 62.9 116.9

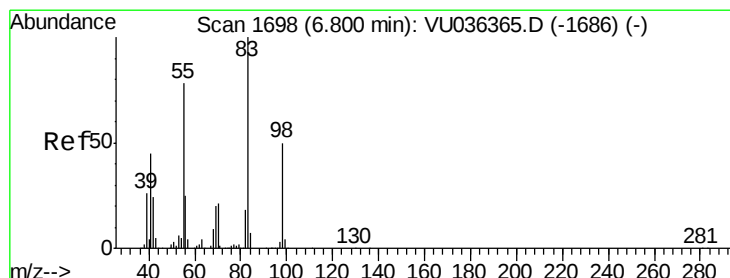
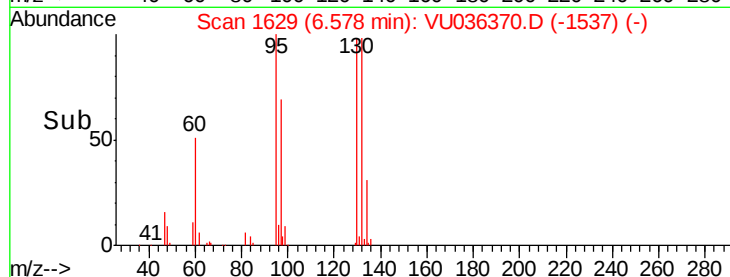
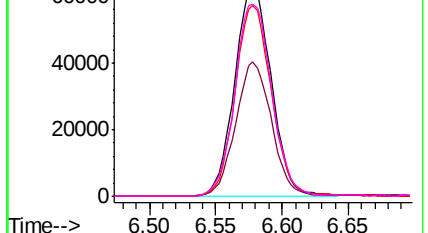


Abundance Ion 95.00 (94.70 to 95.70): VU036370.D (-1629) (-)

Ion 96.95 (96.65 to 97.65): VU036370.D (-1629) (-)

Ion 131.95 (131.65 to 132.65): VU036370.D (-1629) (-)

Ion 129.95 (129.65 to 130.65): VU036370.D (-1629) (-)



#35

Methylcyclohexane

Concen: 4.952 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

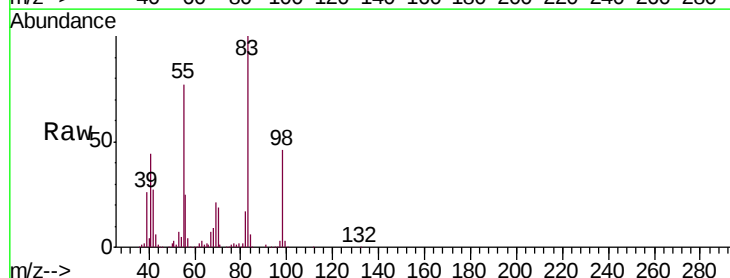
Tgt Ion: 83 Resp: 200418

Ion Ratio Lower Upper

83 100

55 75.3 61.5 92.3

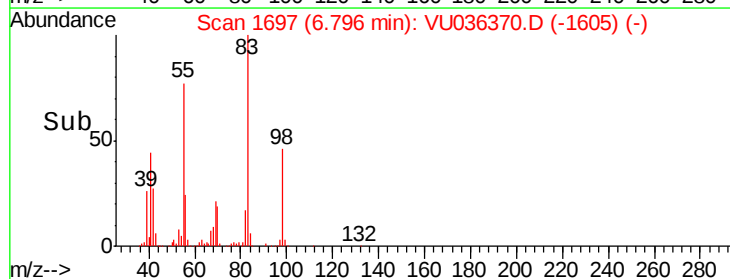
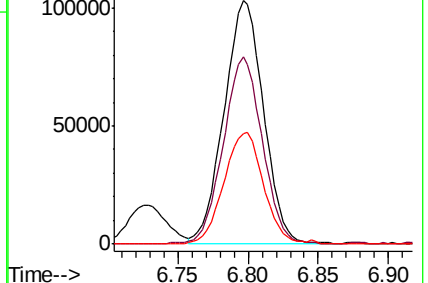
98 45.8 36.9 55.3

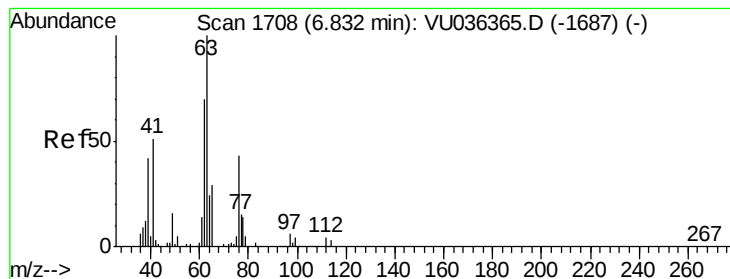


Abundance Ion 83.15 (82.85 to 83.85): VU036370.D (-1697) (-)

Ion 55.10 (54.80 to 55.80): VU036370.D (-1697) (-)

Ion 98.15 (97.85 to 98.85): VU036370.D (-1697) (-)





#37

1,2-Dichloropropane

Concen: 4.772 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

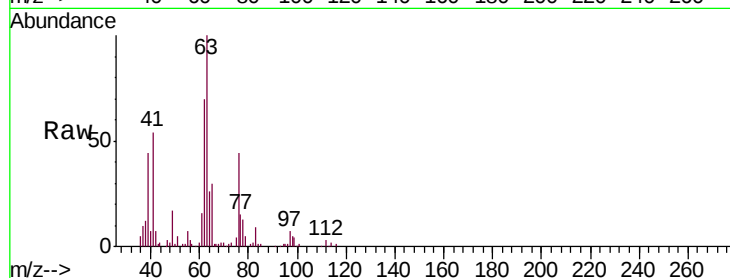
VSTD00530

Tgt Ion: 63 Resp: 116707

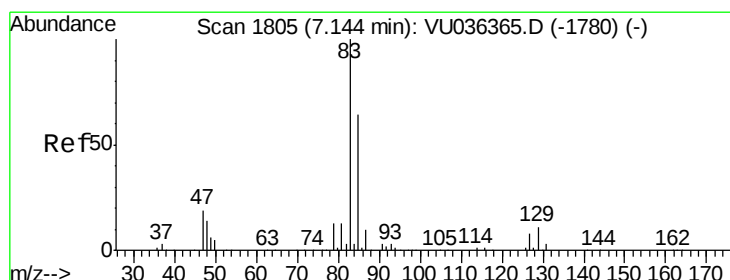
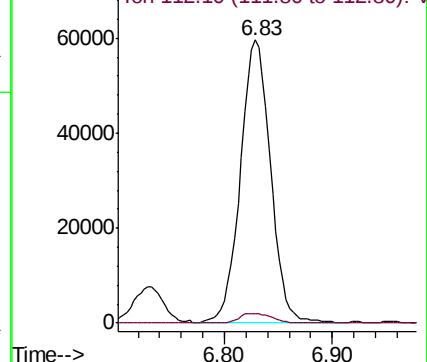
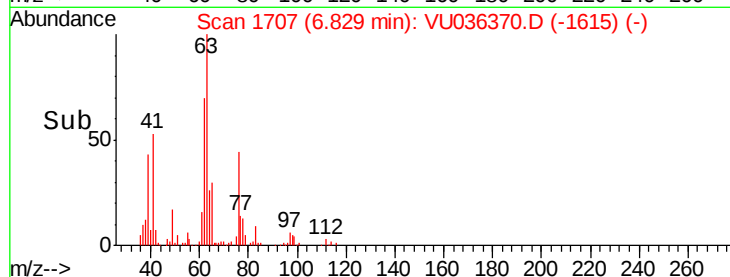
Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.4



Abundance Ion 63.10 (62.80 to 63.80): VU036370.D (-1615) (-)



#38

Bromodichloromethane

Concen: 4.584 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

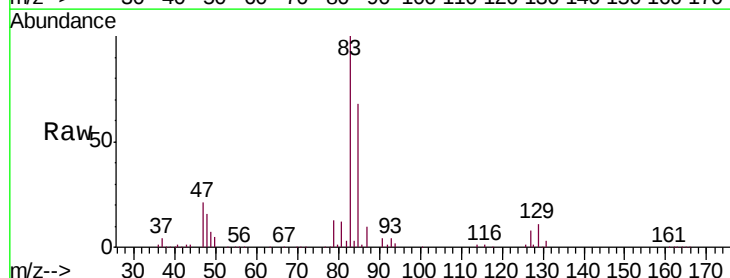
Tgt Ion: 83 Resp: 154737

Ion Ratio Lower Upper

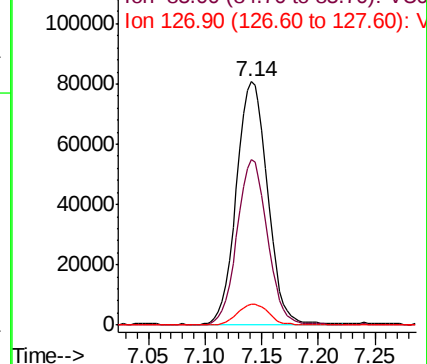
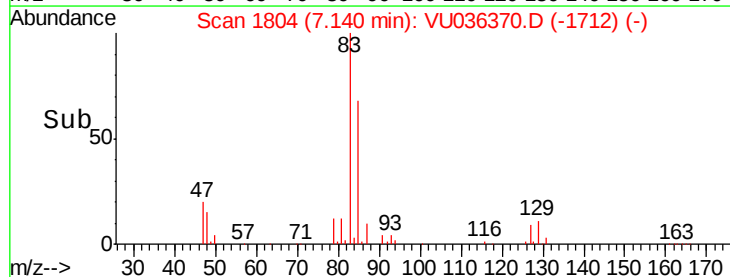
83 100

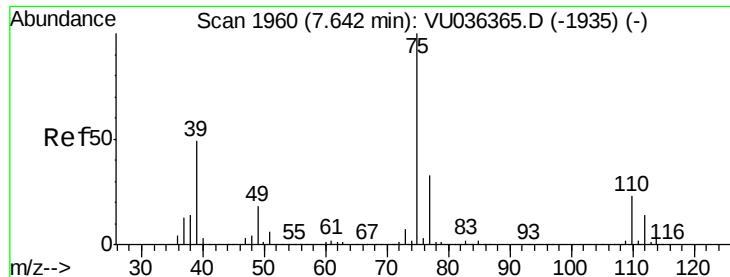
85 67.8 45.0 83.6

127 8.4 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VU036370.D (-1712) (-)

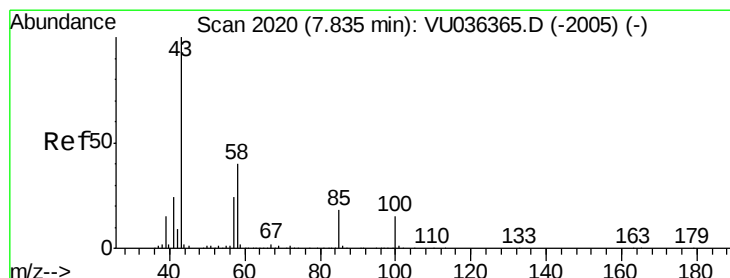
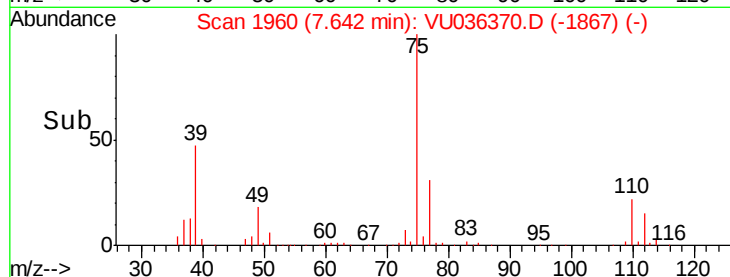
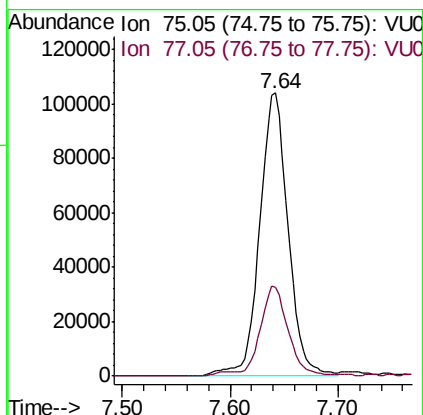
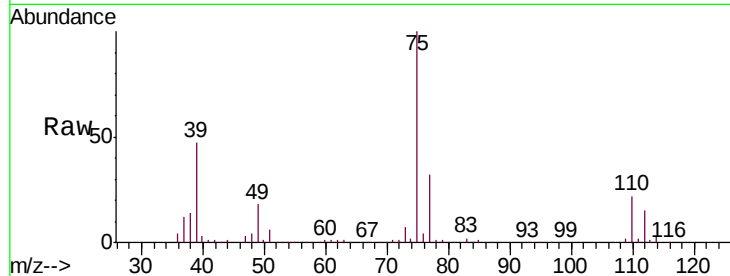




#39
 cis-1,3-Dichloropropene
 Concen: 4.741 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036370.D
 Acq: 30 Dec 2019 14:26

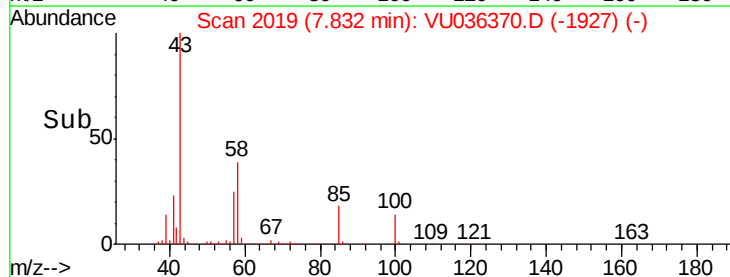
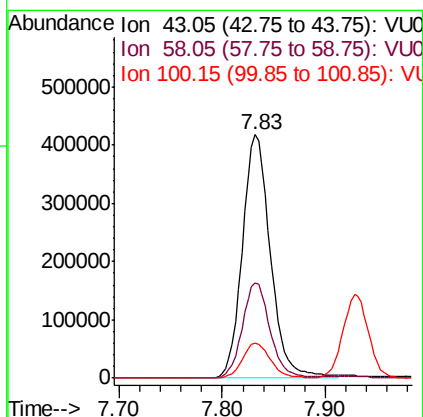
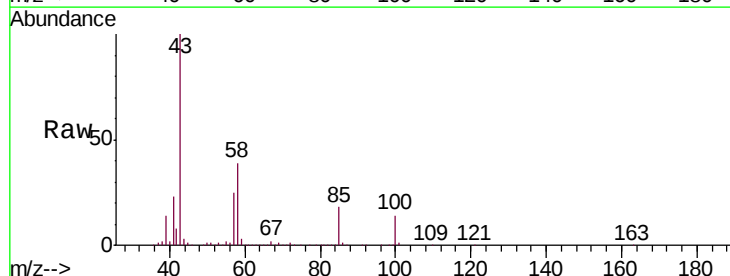
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

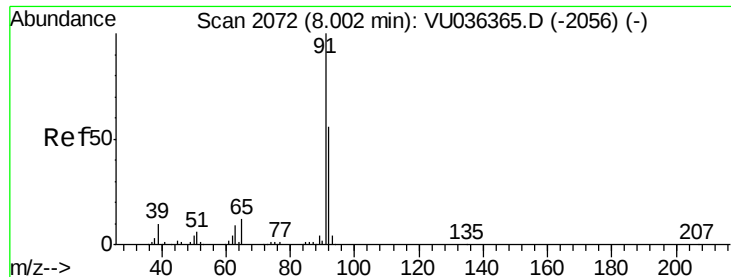
Tgt Ion: 75 Resp: 190104
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 45.836 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: VU036370.D
 Acq: 30 Dec 2019 14:26

Tgt Ion: 43 Resp: 789718
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.8 47.6
 100 14.5 11.5 17.3





#42

Toluene

Concen: 4.652 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

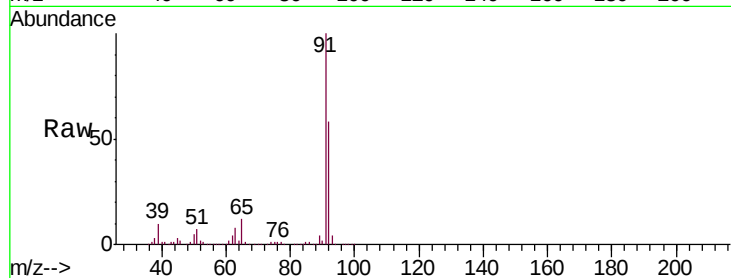
VSTD00530

Tgt Ion: 91 Resp: 488034

Ion Ratio Lower Upper

91 100

92 58.3 39.5 73.3



Abundance Ion 91.15 (90.85 to 91.85): VU036365.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036370.D (-1979) (-)

8.00

300000

250000

200000

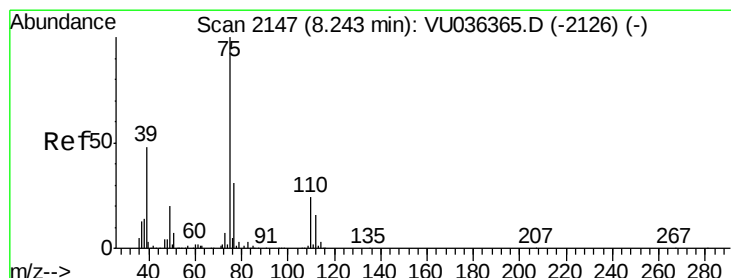
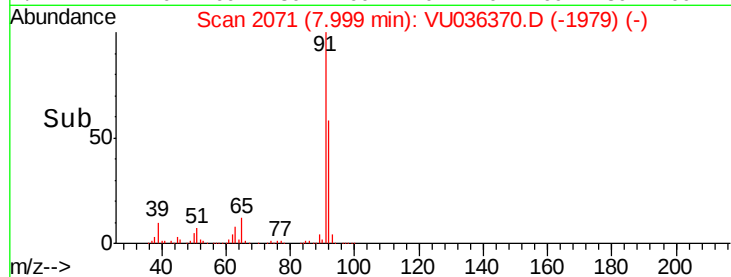
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 4.729 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036370.D

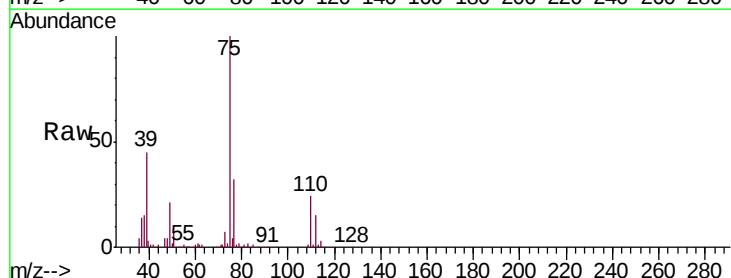
Acq: 30 Dec 2019 14:26

Tgt Ion: 75 Resp: 155783

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VU036365.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU036370.D (-2054) (-)

8.24

100000

80000

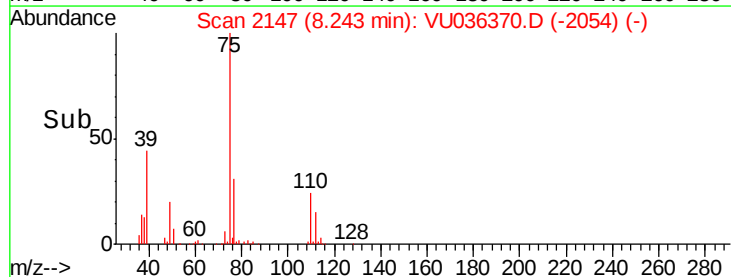
60000

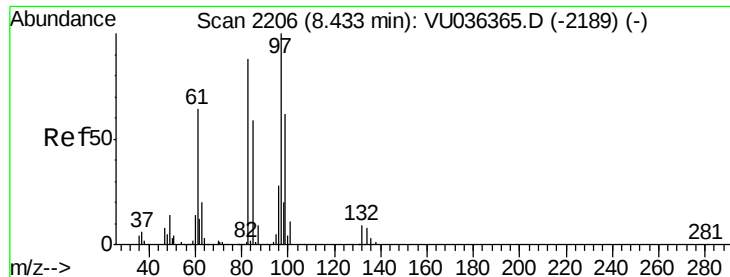
40000

20000

0

Time--> 8.20 8.30





#45

1,1,2-Trichloroethane

Concen: 4.629 ug/L

RT: 8.43 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tgt Ion: 97 Resp: 82346

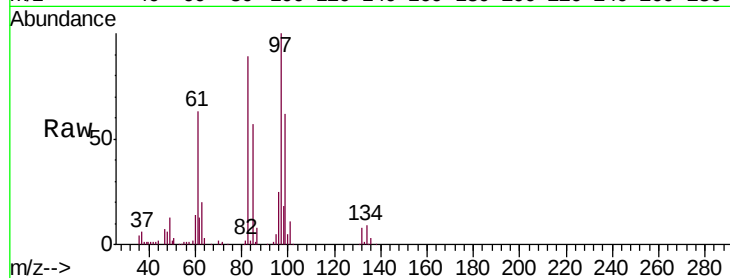
Ion Ratio Lower Upper

97 100

99 62.0 43.3 80.5

83 89.1 62.2 115.6

85 57.0 41.9 77.9

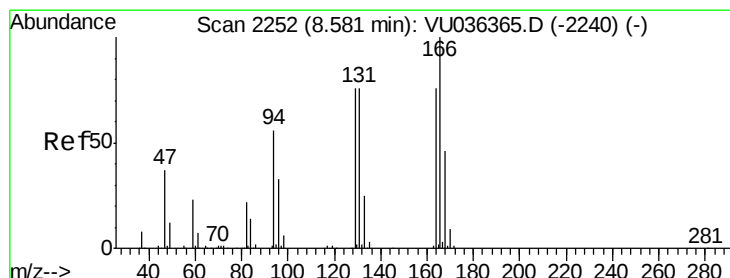
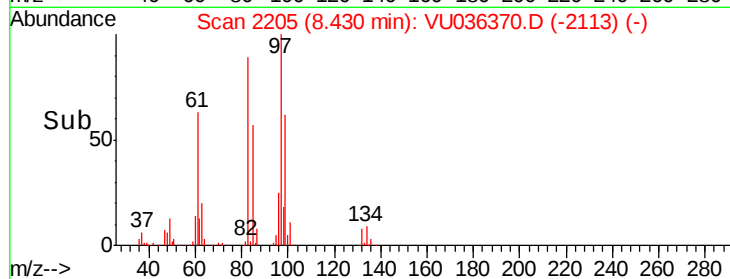
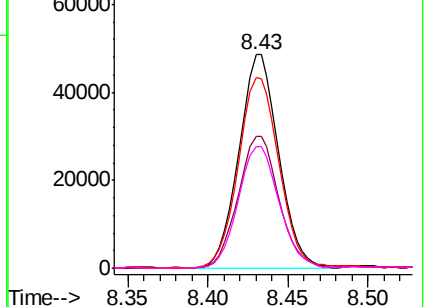


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.629 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Tgt Ion: 164 Resp: 83205

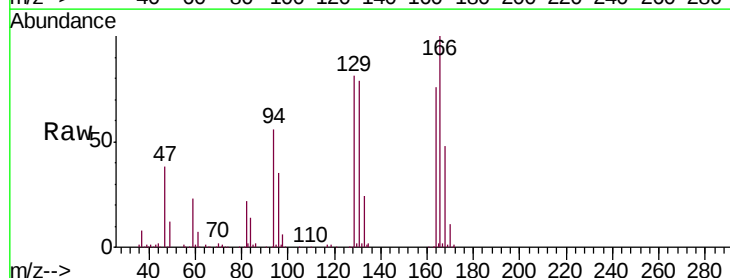
Ion Ratio Lower Upper

164 100

129 107.1 70.3 130.5

131 103.6 70.4 130.8

166 131.8 92.1 171.1

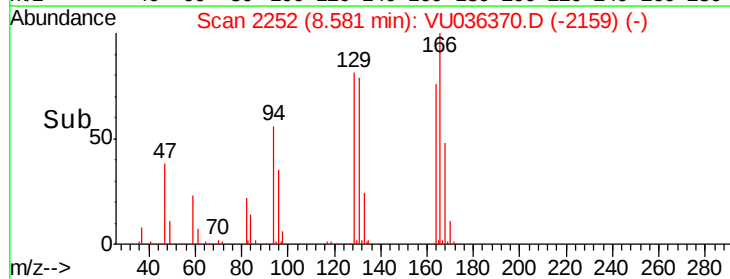
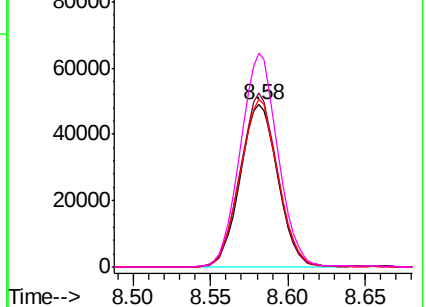


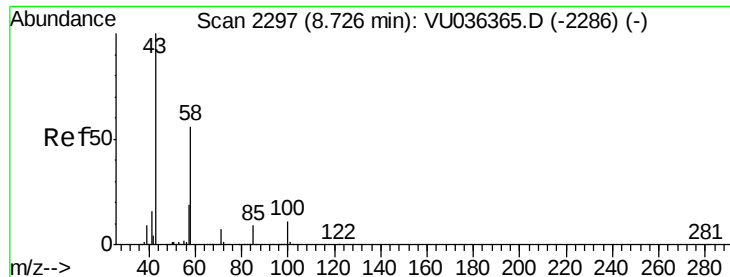
Abundance Ion 163.90 (163.60 to 164.60): V

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

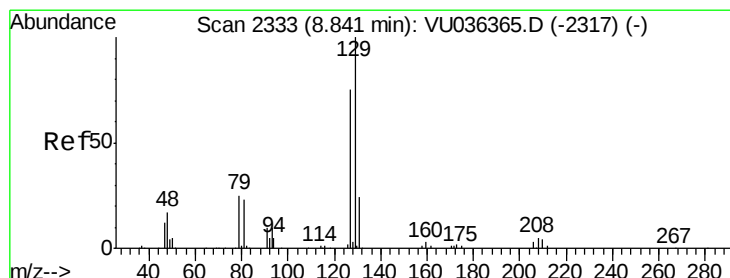
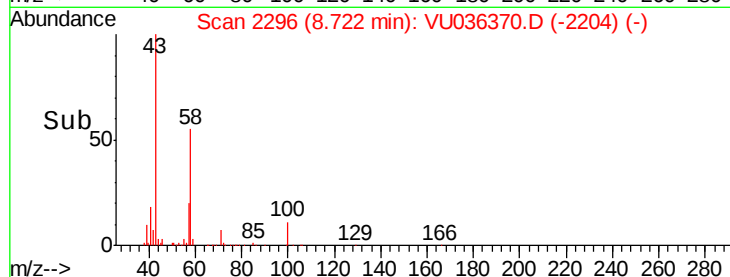
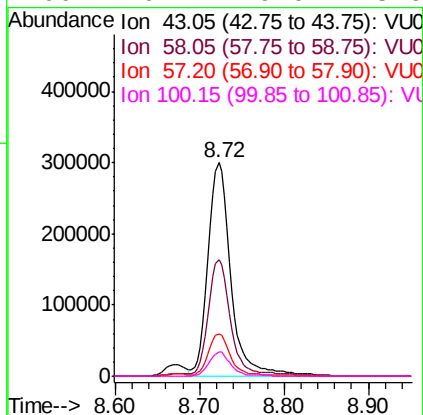
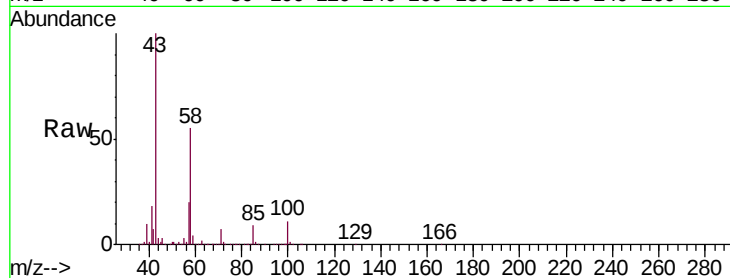




#48
2-Hexanone
Concen: 46.399 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU036370.D
Acq: 30 Dec 2019 14:26

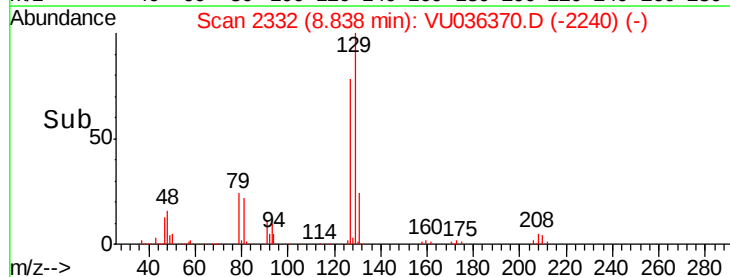
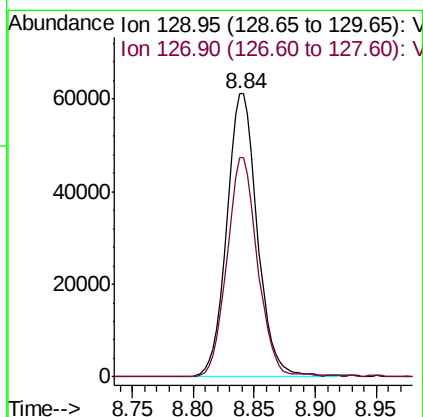
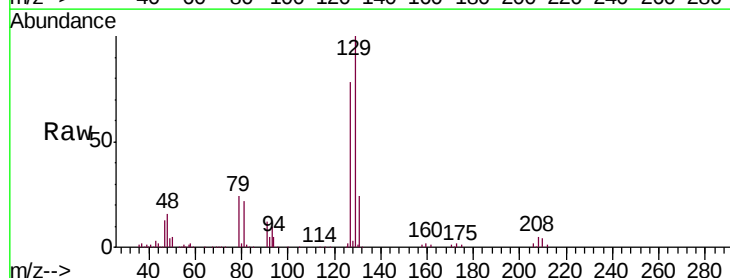
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

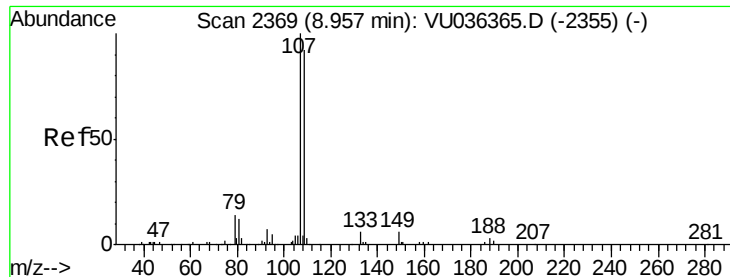
Tgt Ion:	43	Resp:	565833
Ion	Ratio	Lower	Upper
43	100		
58	54.4	42.7	64.1
57	18.9	14.6	22.0
100	10.7	9.0	13.6



#49
Dibromochloromethane
Concen: 4.568 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036370.D
Acq: 30 Dec 2019 14:26

Tgt Ion:	129	Resp:	107529
Ion	Ratio	Lower	Upper
129	100		
127	77.5	52.7	97.9

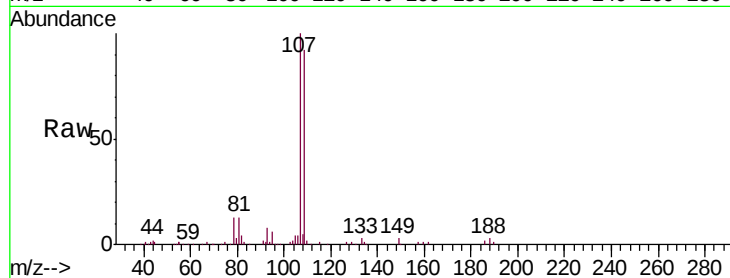




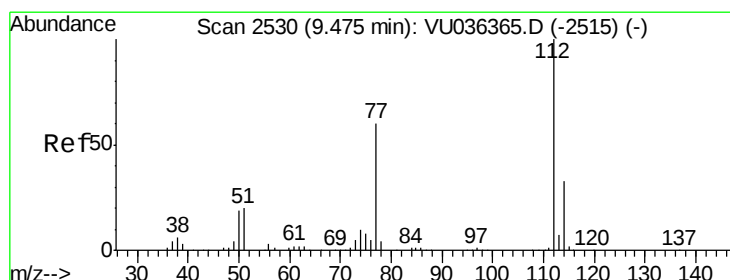
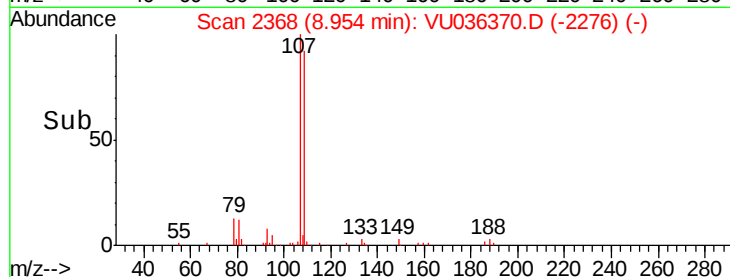
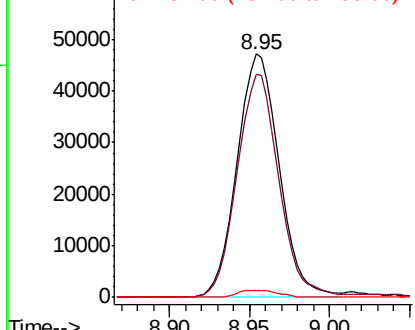
#50
 1,2-Dibromoethane
 Concen: 4.697 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036370.D
 Acq: 30 Dec 2019 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tgt Ion:107 Resp: 84700
 Ion Ratio Lower Upper
 107 100
 109 91.8 64.3 119.5
 188 2.8 2.2 3.2

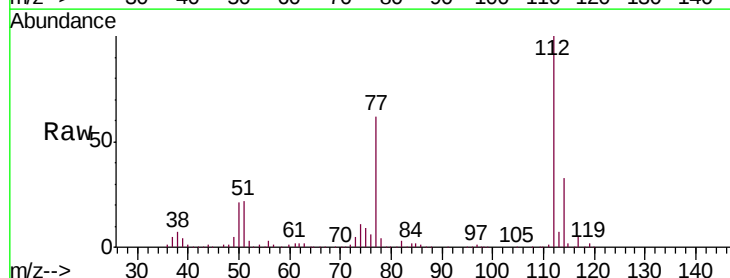


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

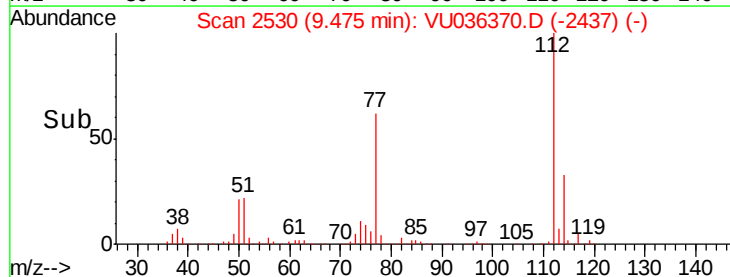
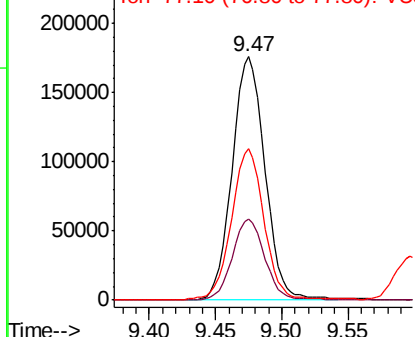


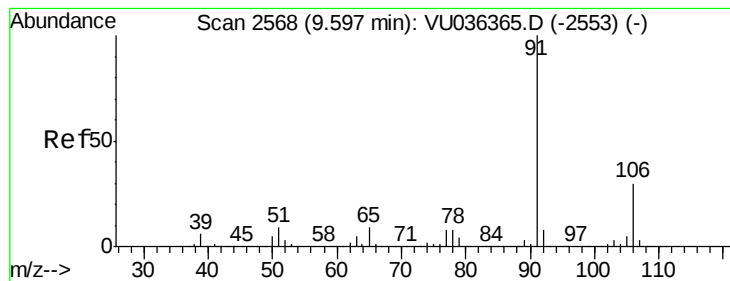
#51
 Chlorobenzene
 Concen: 4.632 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: VU036370.D
 Acq: 30 Dec 2019 14:26

Tgt Ion:112 Resp: 302996
 Ion Ratio Lower Upper
 112 100
 114 33.2 22.7 42.3
 77 62.3 47.8 71.8



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): VU





#52

Ethylbenzene

Concen: 4.794 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

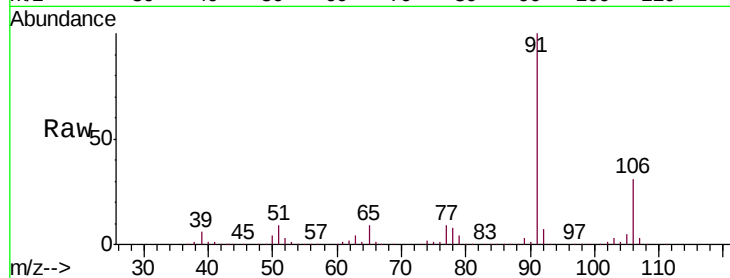
VSTD00530

Tgt Ion: 91 Resp: 557453

Ion Ratio Lower Upper

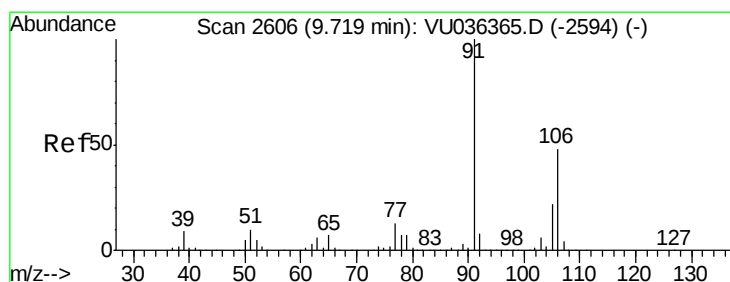
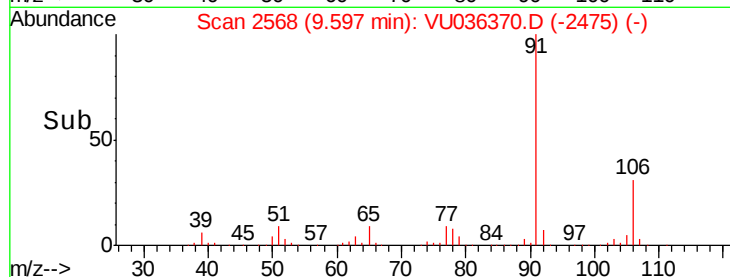
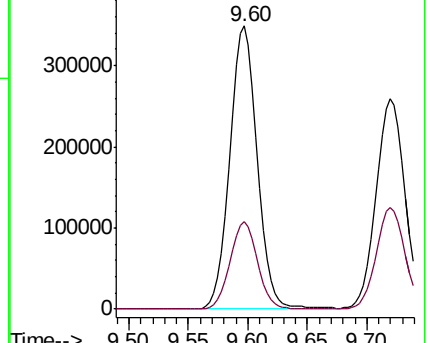
91 100

106 30.7 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU036370.D (-2475) (-)

Ion 106.15 (105.85 to 106.85): VU036370.D (-2475) (-)



#53

m,p-Xylene

Concen: 4.712 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036370.D

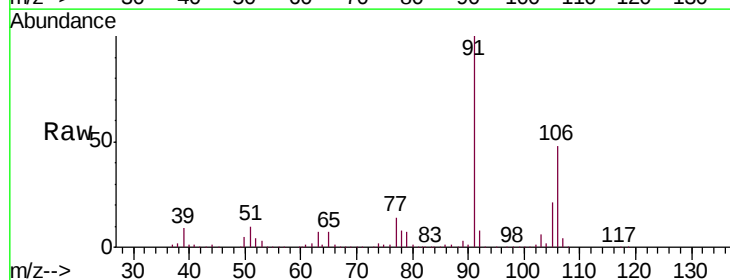
Acq: 30 Dec 2019 14:26

Tgt Ion: 106 Resp: 210522

Ion Ratio Lower Upper

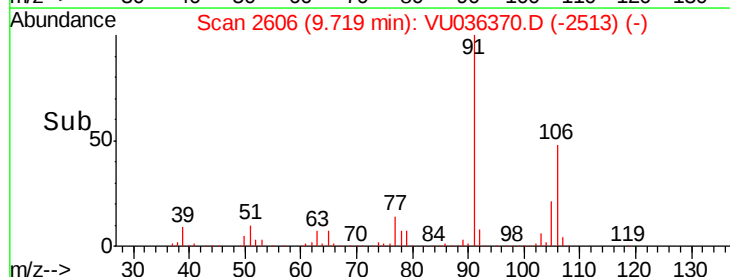
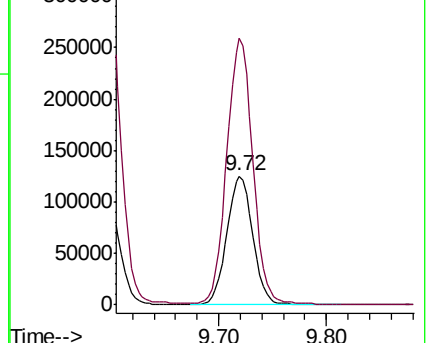
106 100

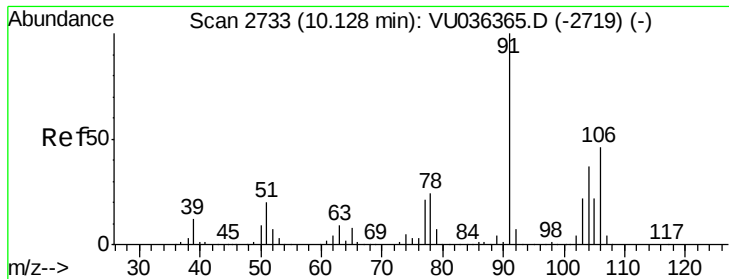
91 206.5 146.5 272.1



Abundance Ion 106.15 (105.85 to 106.85): VU036370.D (-2513) (-)

Ion 91.15 (90.85 to 91.85): VU036370.D (-2513) (-)

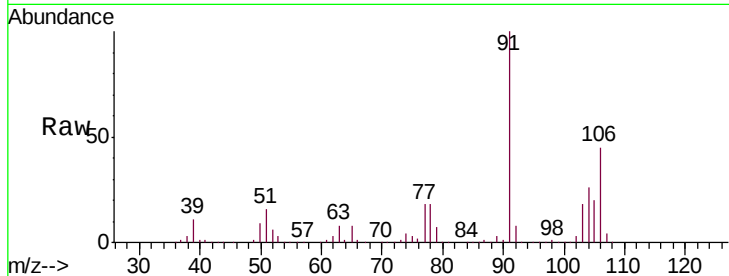




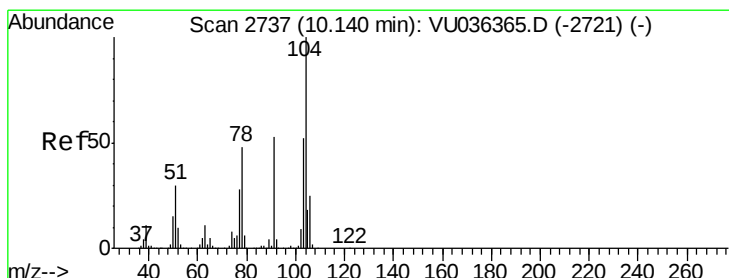
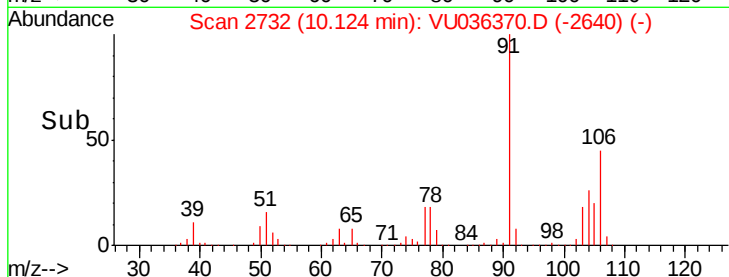
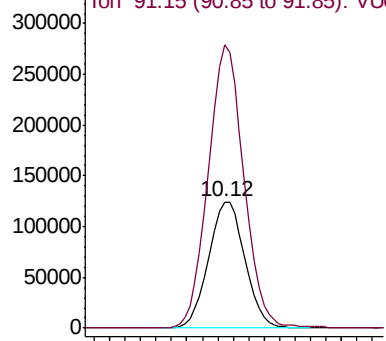
#54
o-Xylene
Concen: 4.699 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036370.D
Acq: 30 Dec 2019 14:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tgt Ion:106 Resp: 203924
Ion Ratio Lower Upper
106 100
91 223.7 151.5 281.5

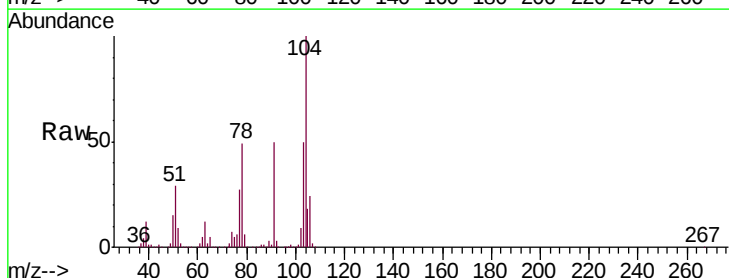


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

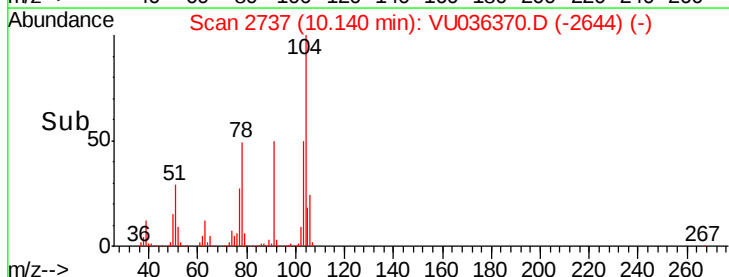
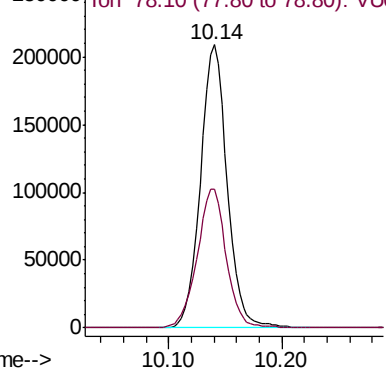


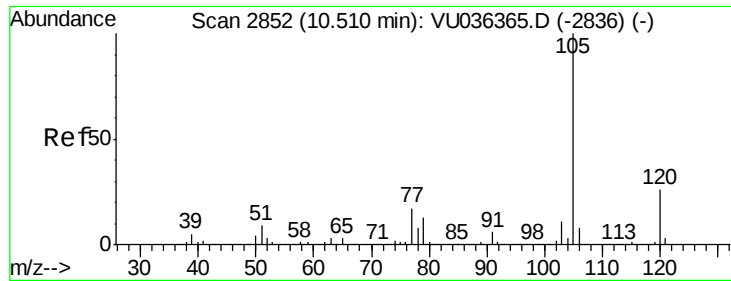
#55
Styrene
Concen: 4.654 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036370.D
Acq: 30 Dec 2019 14:26

Tgt Ion:104 Resp: 343243
Ion Ratio Lower Upper
104 100
78 48.8 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.787 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

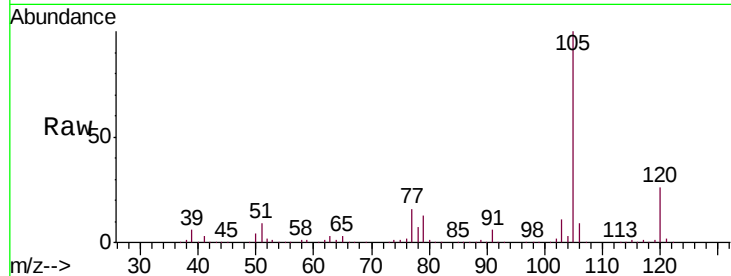
Tgt Ion: 105 Resp: 551514

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

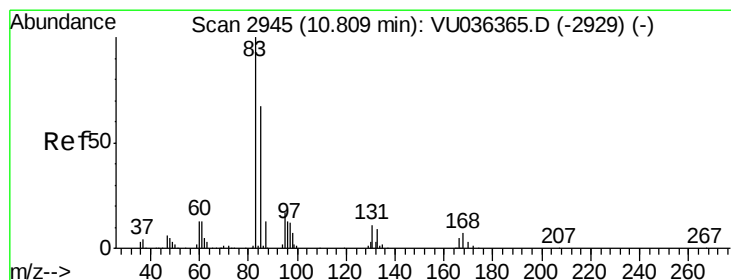
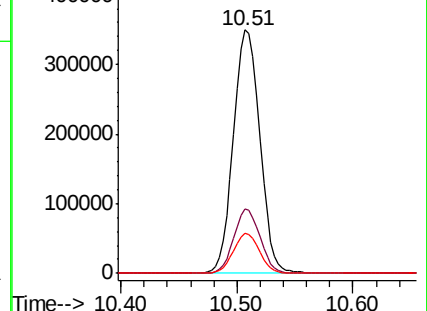
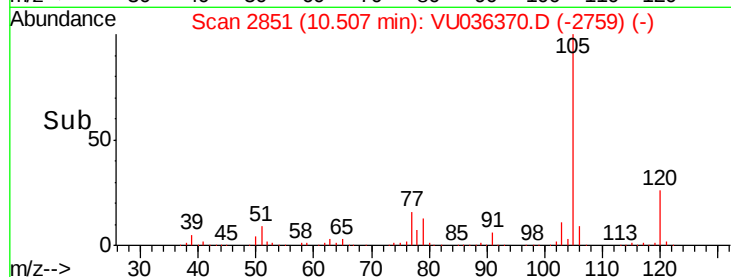
77 16.3 13.2 19.8



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: 4.597 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

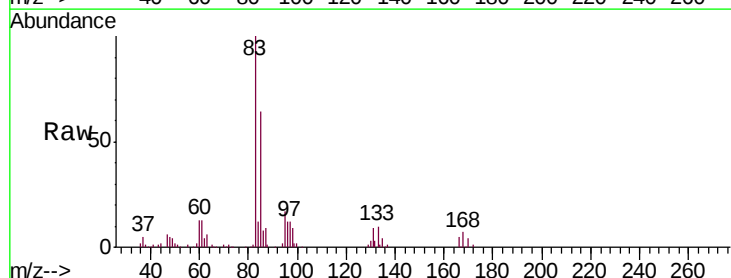
Tgt Ion: 83 Resp: 110250

Ion Ratio Lower Upper

83 100

85 64.3 47.5 88.1

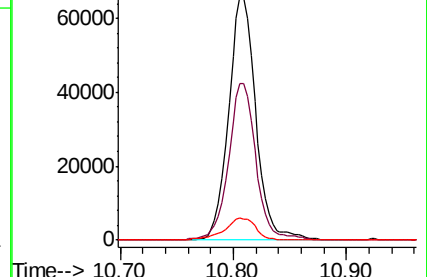
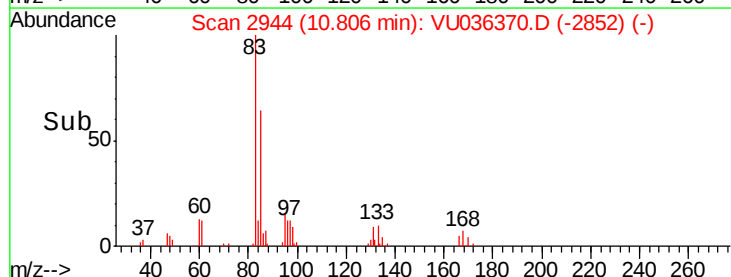
131 8.9 8.8 13.2

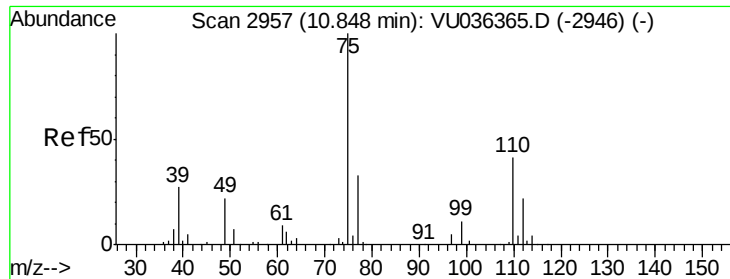


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.695 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

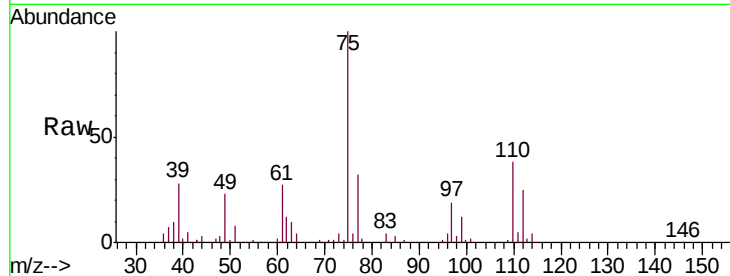
VSTD00530

Tgt Ion: 75 Resp: 79227

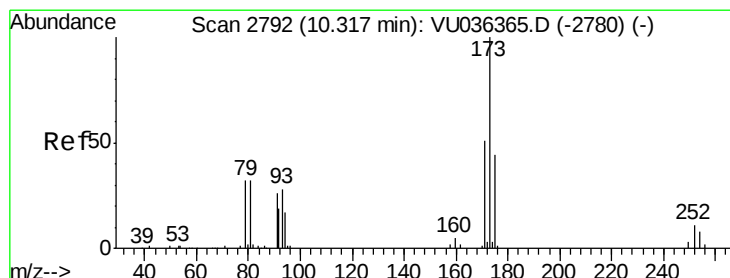
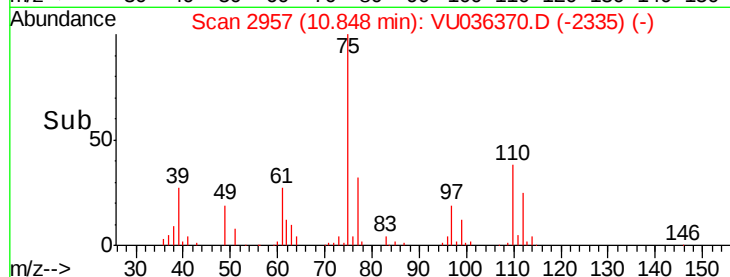
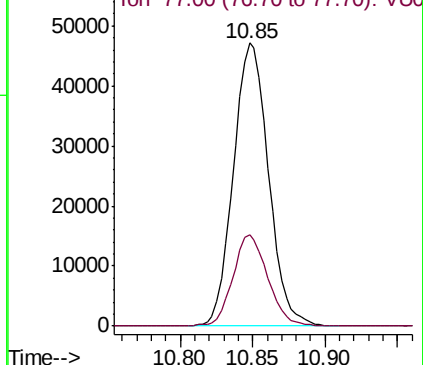
Ion Ratio Lower Upper

75 100

77 31.9 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036365.D (-2946) (-)



#61

Bromoform

Concen: 4.377 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

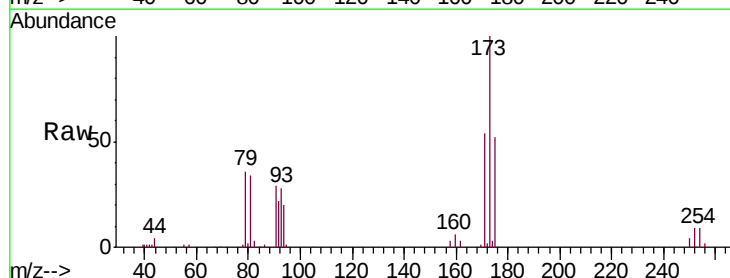
Tgt Ion: 173 Resp: 59983

Ion Ratio Lower Upper

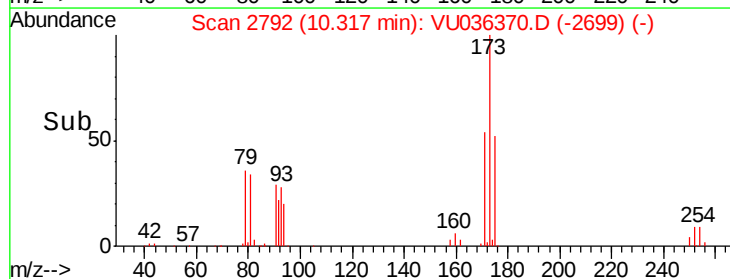
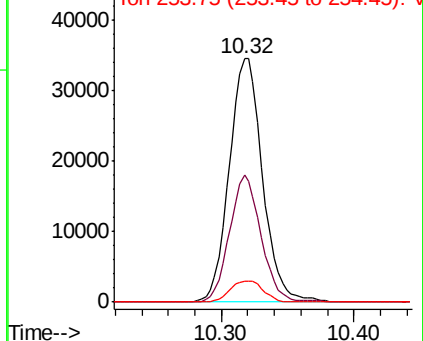
173 100

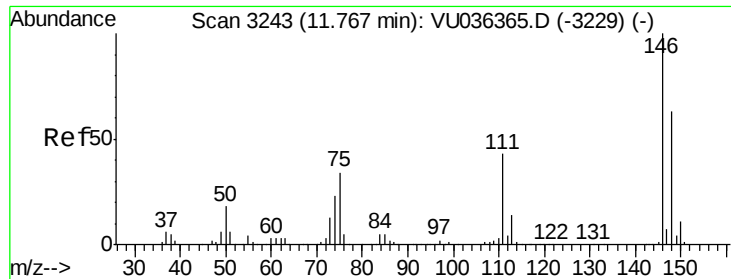
175 49.3 37.0 55.4

254 8.8 7.0 10.6



Abundance Ion 172.90 (172.60 to 173.60): VU036365.D (-2780) (-)

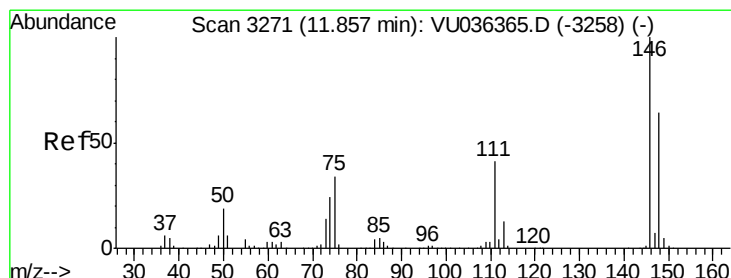
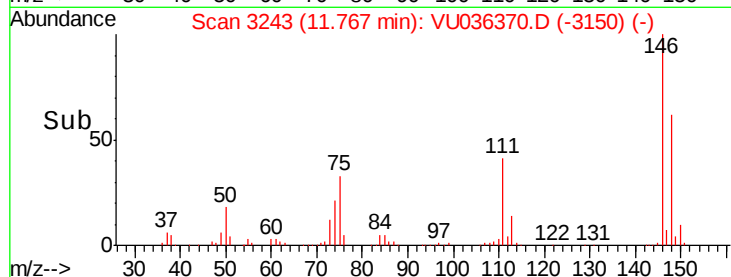
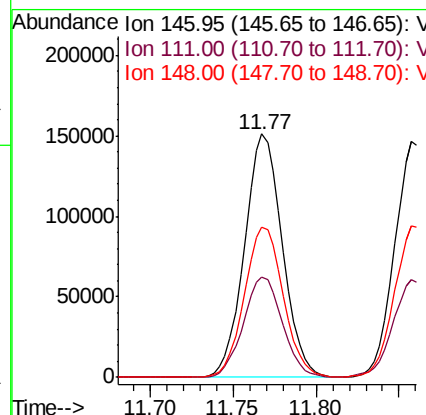
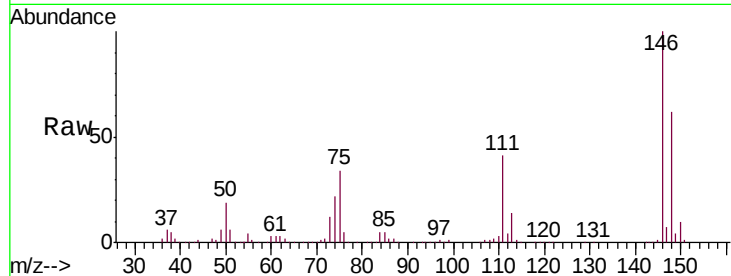




#62
 1,3-Dichlorobenzene
 Concen: 4.668 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036370.D
 Acq: 30 Dec 2019 14:26

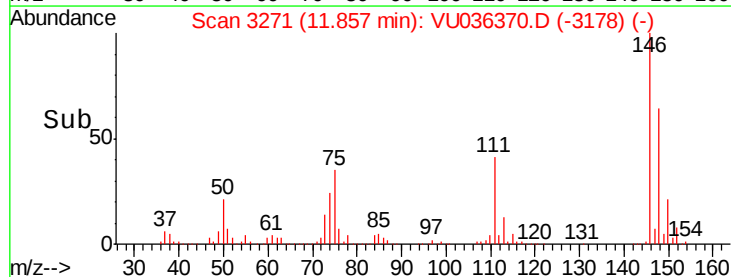
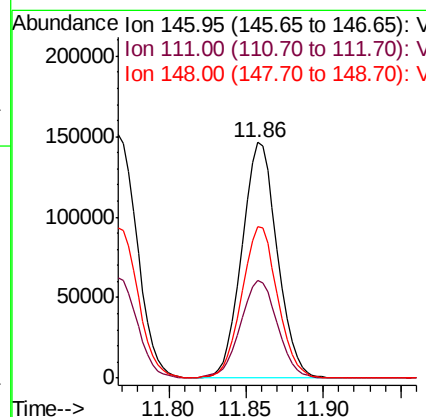
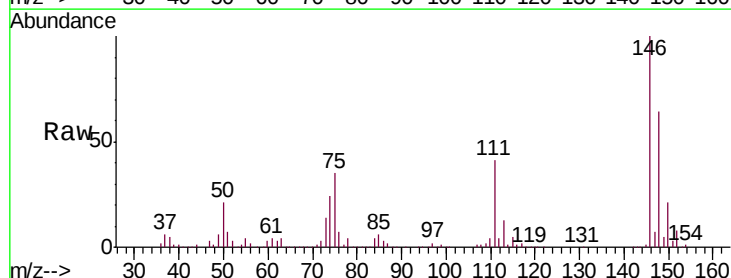
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

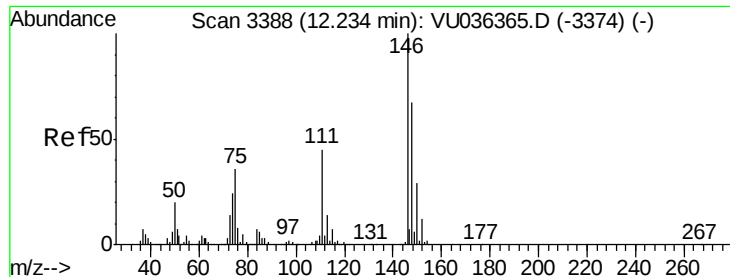
Tgt Ion:146 Resp: 239780
 Ion Ratio Lower Upper
 146 100
 111 41.3 30.2 56.0
 148 61.8 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 4.587 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036370.D
 Acq: 30 Dec 2019 14:26

Tgt Ion:146 Resp: 233008
 Ion Ratio Lower Upper
 146 100
 111 41.4 28.6 53.0
 148 64.2 45.0 83.6

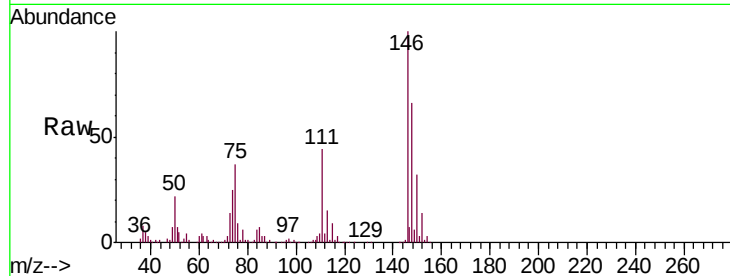




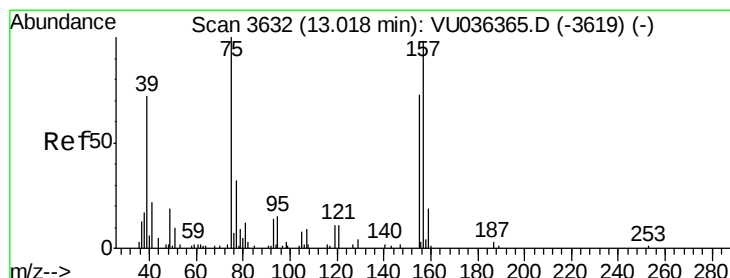
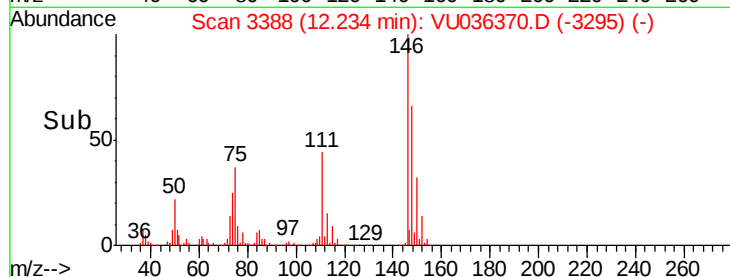
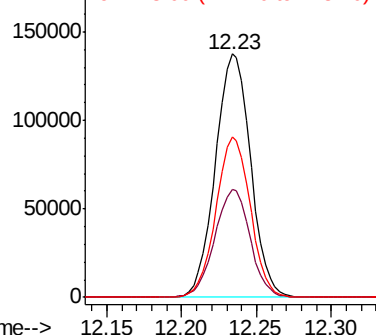
#65
 1,2-Dichlorobenzene
 Concen: 4.655 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036370.D
 Acq: 30 Dec 2019 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	36.4	54.6
148	66.1	53.4	80.2

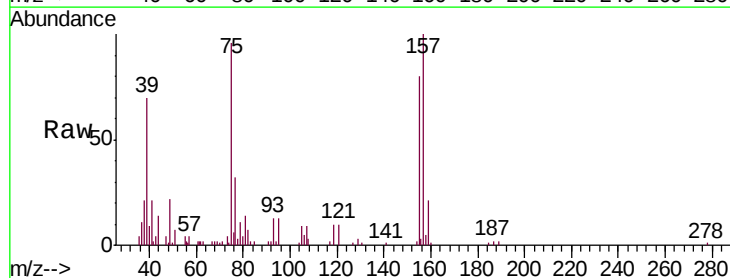


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

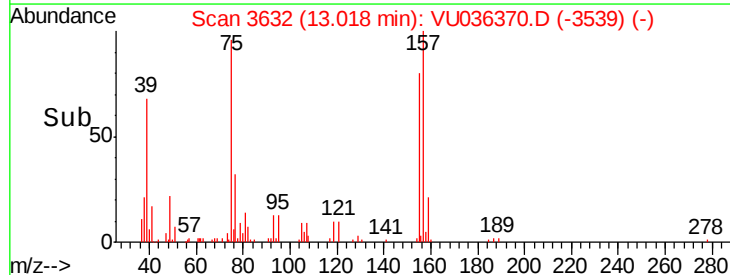
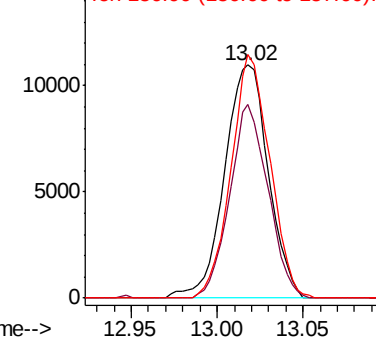


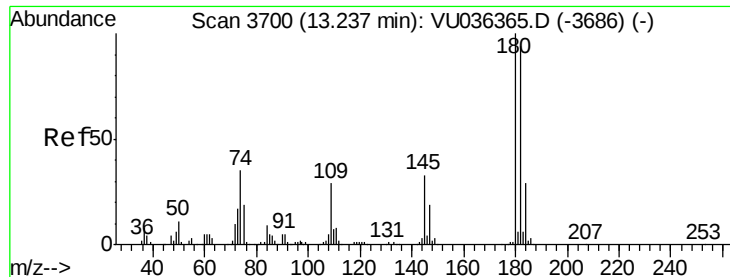
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.341 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036370.D
 Acq: 30 Dec 2019 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	58.6	88.0
157	104.4	78.7	118.1



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

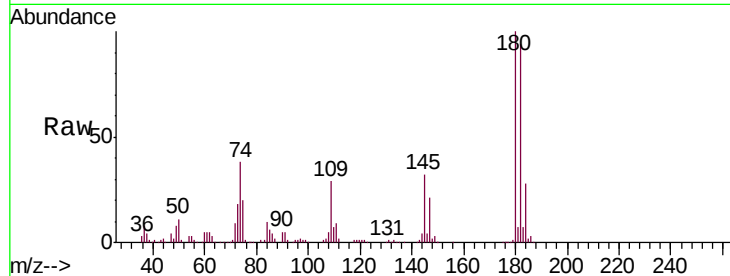




#67
 1,3,5-Trichlorobenzene
 Concen: 4.642 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036370.D
 Acq: 30 Dec 2019 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tgt Ion:	180	Resp:	169443
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.2	112.8
184	29.3	23.3	34.9
145	32.7	25.6	38.4



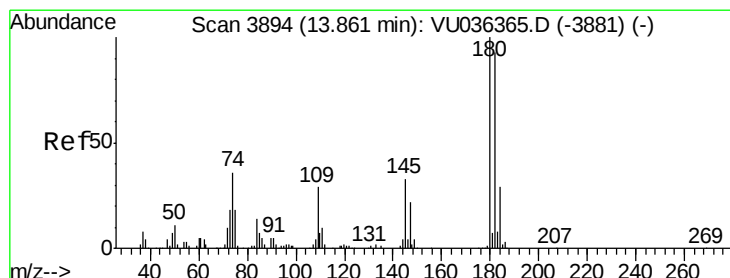
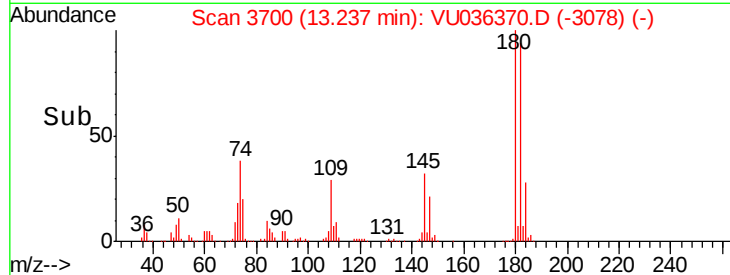
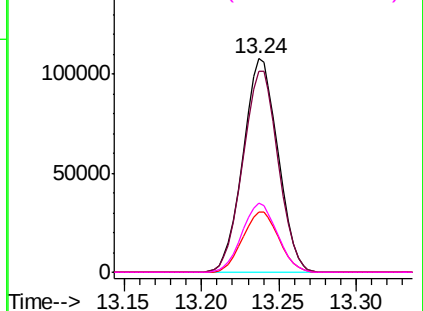
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

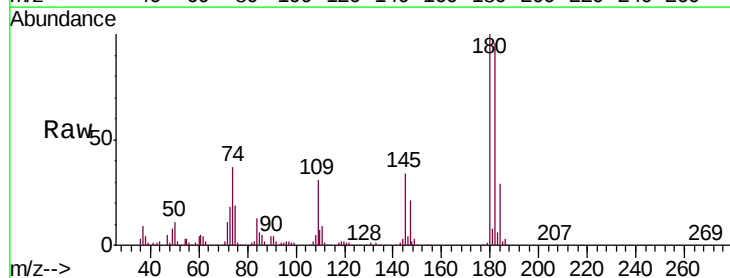
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.683 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036370.D
 Acq: 30 Dec 2019 14:26

Tgt Ion:	180	Resp:	125514
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.5	113.3
145	33.9	26.2	39.2

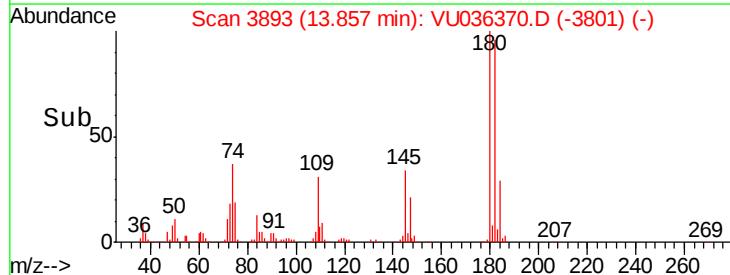
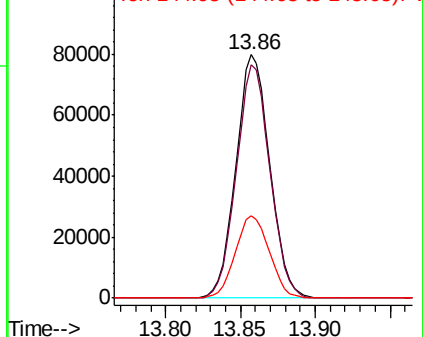


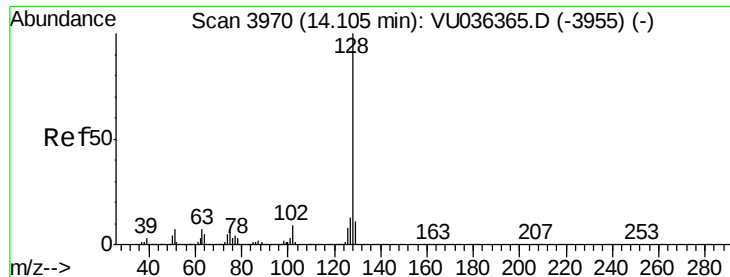
Abundance

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: 4.288 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

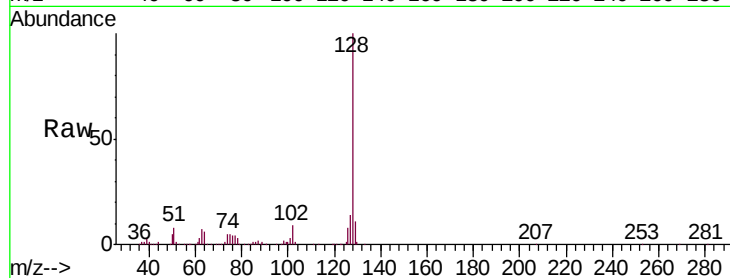
Tgt Ion:128 Resp: 200143

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

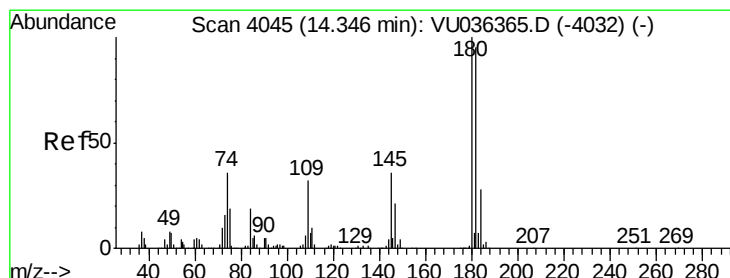
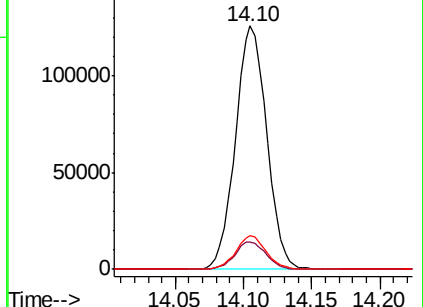
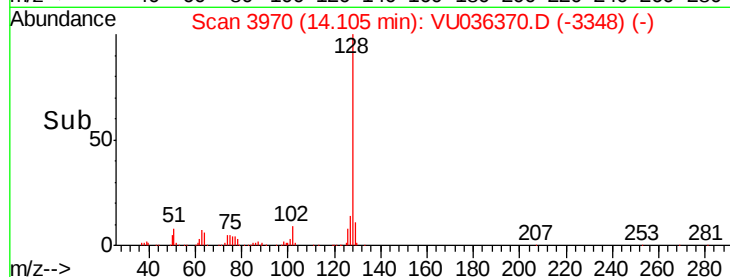
127 13.3 10.6 15.8



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



#70

1,2,3-Trichlorobenzene

Concen: 4.407 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036370.D

Acq: 30 Dec 2019 14:26

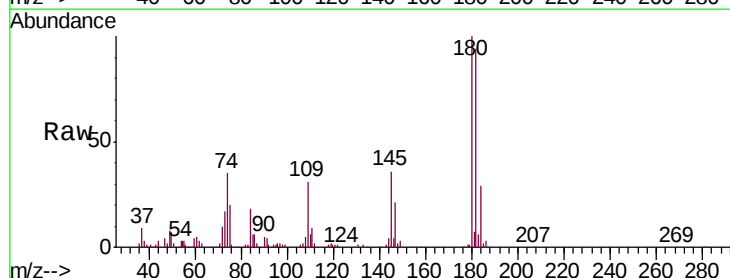
Tgt Ion:180 Resp: 113877

Ion Ratio Lower Upper

180 100

182 95.3 75.0 112.4

145 36.6 28.2 42.4



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

