

Data File : VU034926.D
Acq On : 04 Oct 2019 10:26
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Quant Time: Oct 05 00:27:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR093019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 30 17:11:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	216507	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	211778	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	105514	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	70748	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.67	69	59234	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.26	63	118086	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.19	46	195992	44.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.82%
24) Chloroform-d	4.62	84	119296	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.29	65	67909	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
32) Benzene-d6	5.32	84	247121	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.31	67	80704	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.54	98	241395	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.83	79	31122	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.30	63	151275	47.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.54%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	66883	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	86749	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	56442	4.458	ug/L 99
3) Chloromethane	1.32	50	42042	4.021	ug/L 98
5) Vinyl chloride	1.40	62	53726	4.749	ug/L 99
6) Bromomethane	1.62	94	22607	4.097	ug/L 92
8) Chloroethane	1.69	64	31770	4.930	ug/L 96
9) Trichlorofluoromethane	1.87	101	74744	4.834	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	47438	4.937	ug/L 97
12) 1,1-Dichloroethene	2.27	96	35069	4.825	ug/L 75
13) Acetone	2.34	43	136243	42.658	ug/L 92
14) Carbon disulfide	2.46	76	58222	4.817	ug/L 99
15) Methyl Acetate	2.61	43	30991	4.623	ug/L 100
16) Methylene chloride	2.68	84	49316	4.301	ug/L 90
17) Methyl tert-butyl Ether	2.99	73	152728	4.760	ug/L 96
18) trans-1,2-Dichloroethene	2.96	96	37201	4.981	ug/L 93
19) 1,1-Dichloroethane	3.42	63	104890	4.538	ug/L 98
21) 2-Butanone	4.27	43	206344	42.907	ug/L 91
22) cis-1,2-Dichloroethene	4.20	96	54754	4.783	ug/L 84

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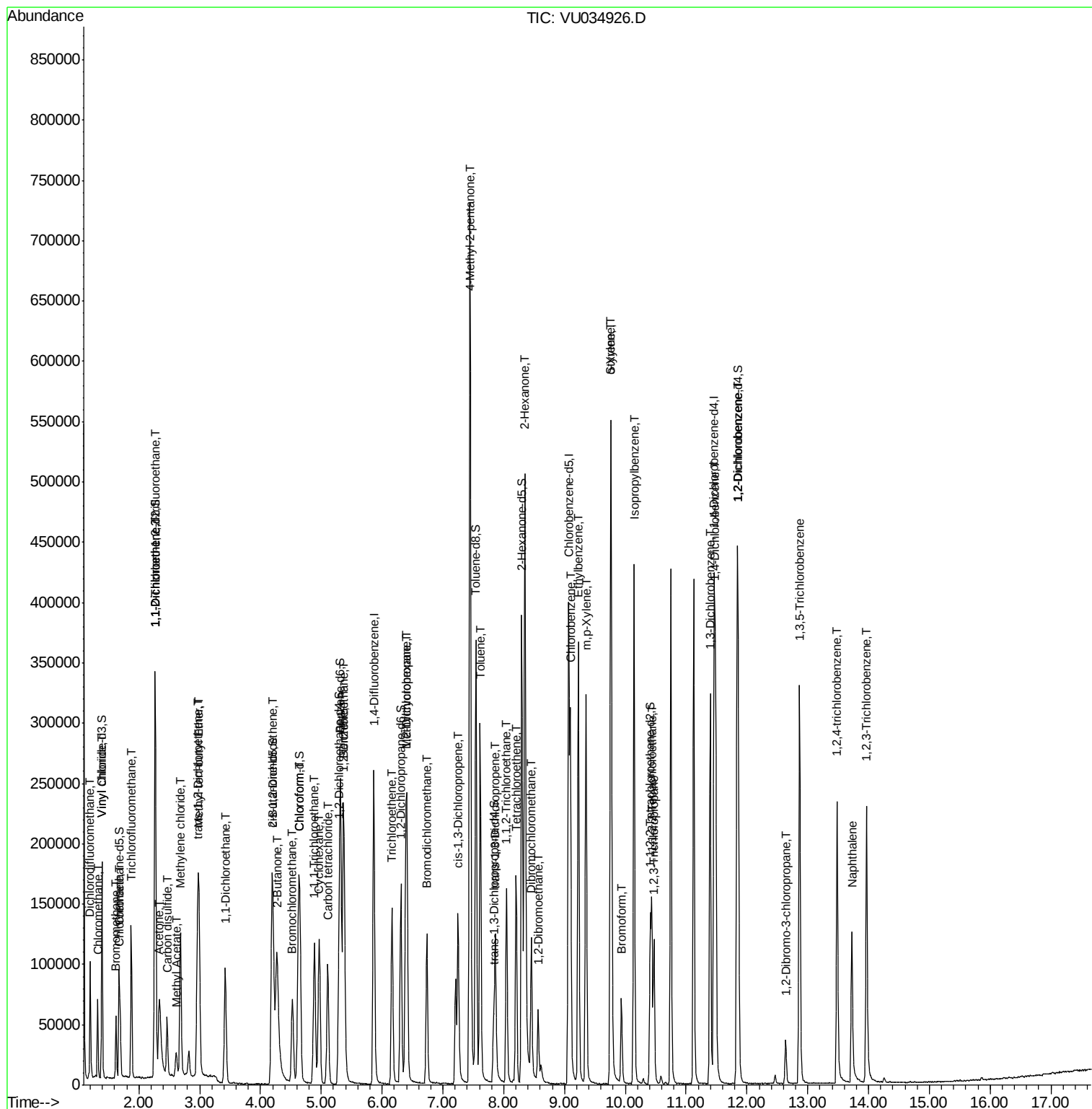
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	23434	5.017	ug/L	84
25) Chloroform	4.65	83	120241	4.323	ug/L	99
27) 1,2-Dichloroethane	5.38	62	69058	4.215	ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	87539	4.497	ug/L	98
30) Cyclohexane	4.96	56	63492	4.380	ug/L	96
31) Carbon tetrachloride	5.11	117	68044	4.509	ug/L	98
33) Benzene	5.36	78	200873	4.723	ug/L	100
34) Trichloroethene	6.16	95	51804	4.604	ug/L	94
35) Methylcyclohexane	6.39	83	67654	4.815	ug/L	95
37) 1,2-Dichloropropane	6.41	63	66317	4.564	ug/L	100
38) Bromodichloromethane	6.74	83	82784	4.563	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	89530	4.785	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	522993	41.533	ug/L	93
42) Toluene	7.61	91	219289	4.719	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	75319	4.794	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	50771	4.962	ug/L	98
47) Tetrachloroethene	8.20	164	38550	5.173	ug/L	98
48) 2-Hexanone	8.35	43	362251	43.354	ug/L #	93
49) Dibromochloromethane	8.46	129	57117	4.926	ug/L	99
50) 1,2-Dibromoethane	8.57	107	41950	5.082	ug/L	99
51) Chlorobenzene	9.10	112	155719	4.948	ug/L	98
52) Ethylbenzene	9.23	91	258456	4.674	ug/L	96
53) m,p-Xylene	9.35	106	91051	4.723	ug/L	96
54) o-Xylene	9.76	106	99061	4.854	ug/L	90
55) Styrene	9.77	104	167757	4.835	ug/L	93
56) Isopropylbenzene	10.14	105	274538	4.694	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.43	83	72932	4.857	ug/L	98
59) 1,2,3-Trichloropropane	10.47	75	48284	4.647	ug/L	96
61) Bromoform	9.94	173	32364	4.940	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	134893	4.953	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	133381	4.766	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	137325	4.915	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	10288	4.899	ug/L	95
67) 1,3,5-Trichlorobenzene	12.86	180	109803	5.495	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	79772	5.590	ug/L	96
69) Naphthalene	13.72	128	116446	4.860	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	79469	5.548	ug/L	99

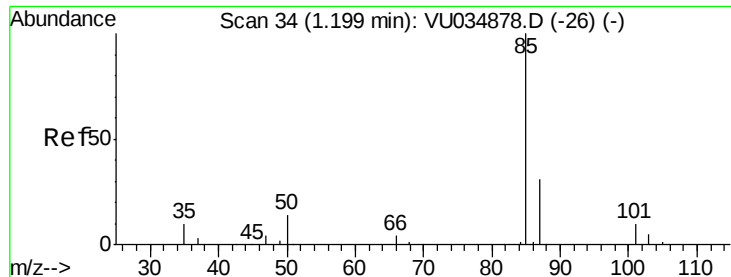
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.458 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

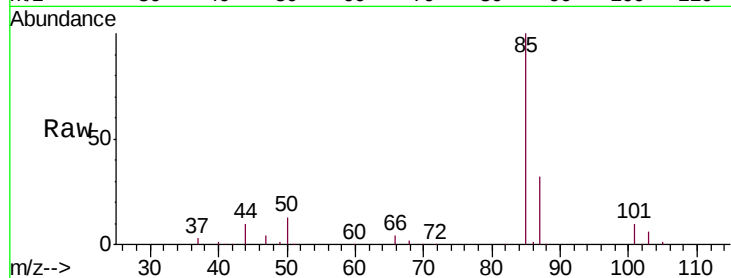
VSTD00526

Tgt Ion: 85 Resp: 56442

Ion Ratio Lower Upper

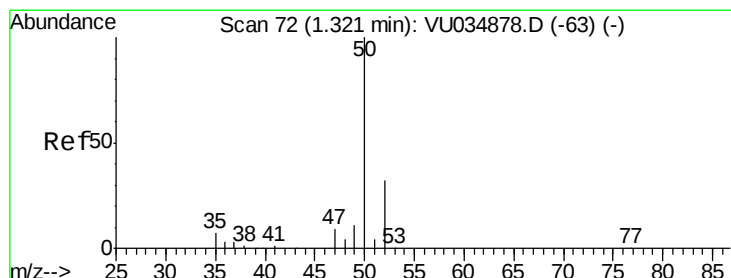
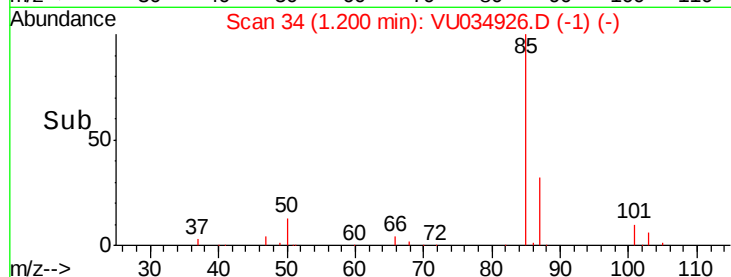
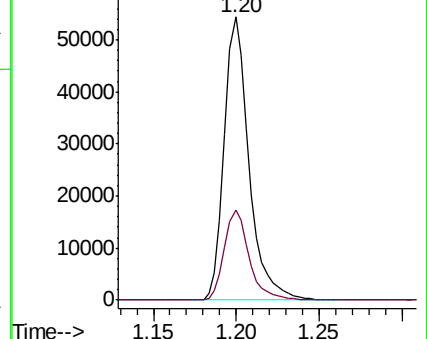
85 100

87 32.0 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU034878.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034878.D (-26) (-)



#3

Chloromethane

Concen: 4.021 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034926.D

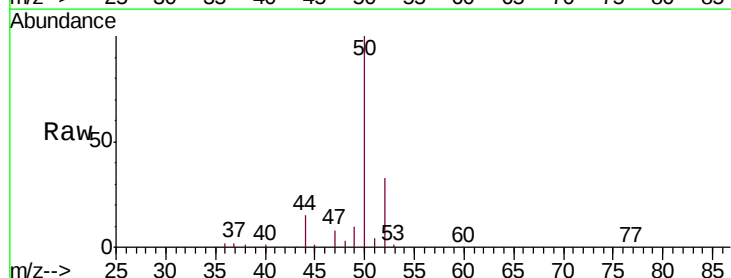
Acq: 04 Oct 2019 10:26

Tgt Ion: 50 Resp: 42042

Ion Ratio Lower Upper

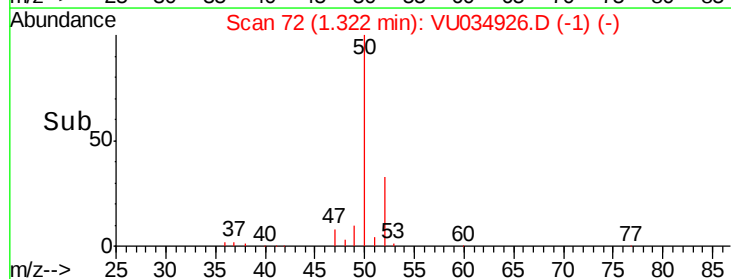
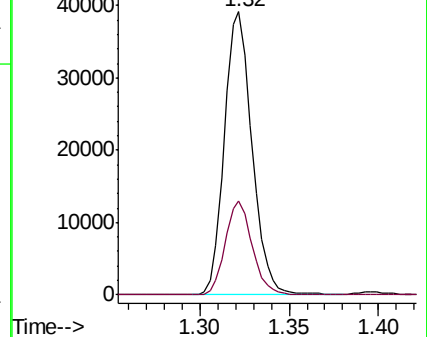
50 100

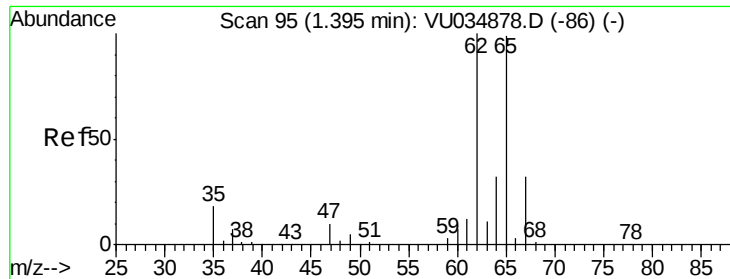
52 33.3 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VU034878.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU034878.D (-63) (-)





#5

Vinyl chloride

Concen: 4.749 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

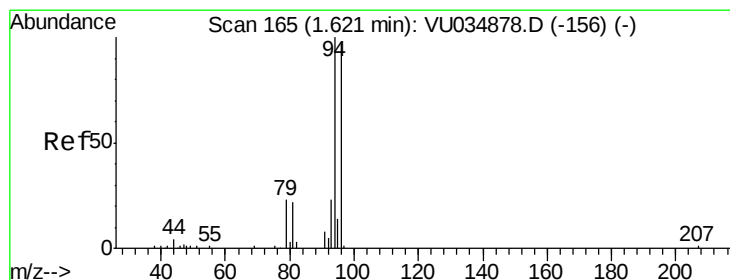
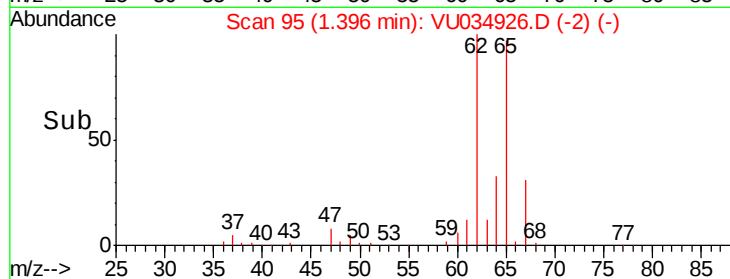
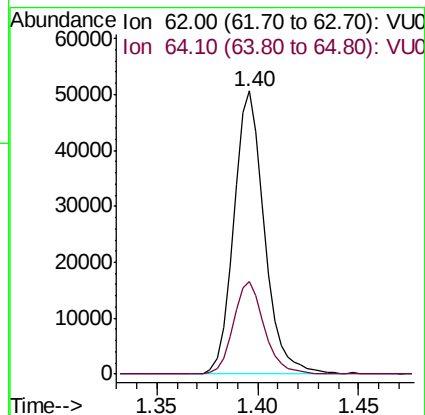
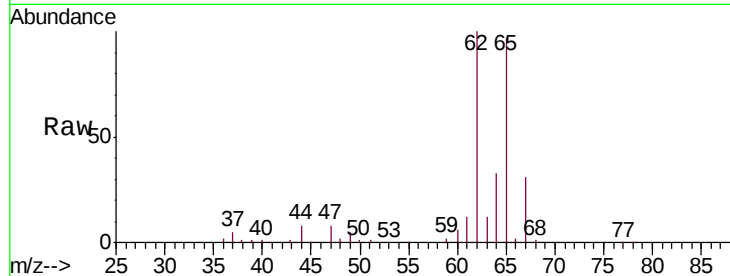
VSTD00526

Tgt Ion: 62 Resp: 53726

Ion Ratio Lower Upper

62 100

64 32.8 22.6 42.0



#6

Bromomethane

Concen: 4.097 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034926.D

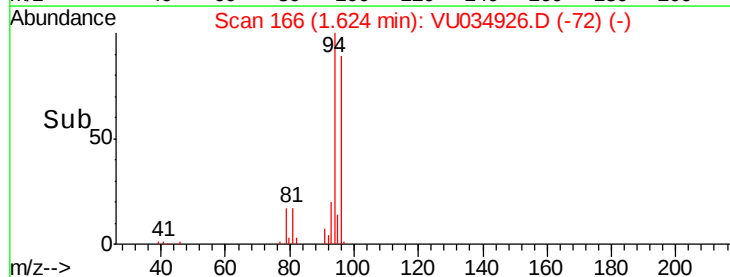
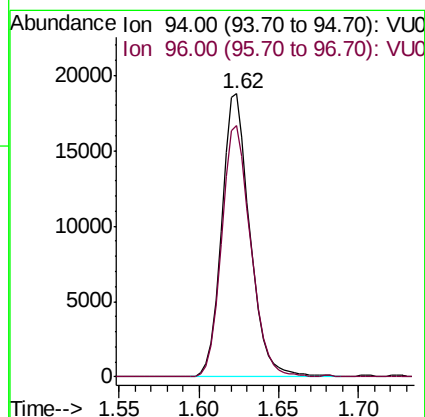
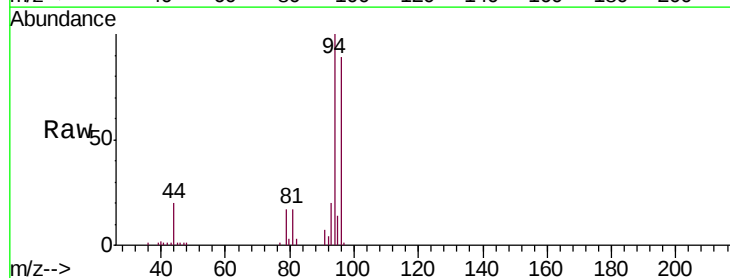
Acq: 04 Oct 2019 10:26

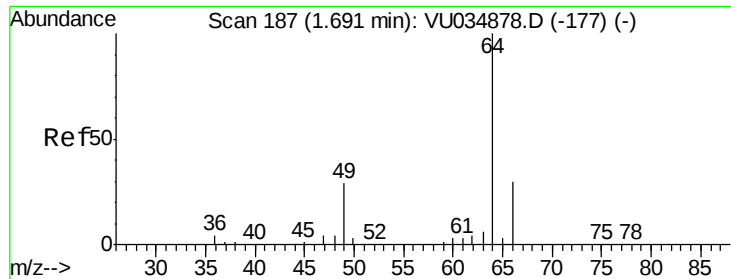
Tgt Ion: 94 Resp: 22607

Ion Ratio Lower Upper

94 100

96 88.8 67.7 125.7





#8

Chloroethane

Concen: 4.930 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

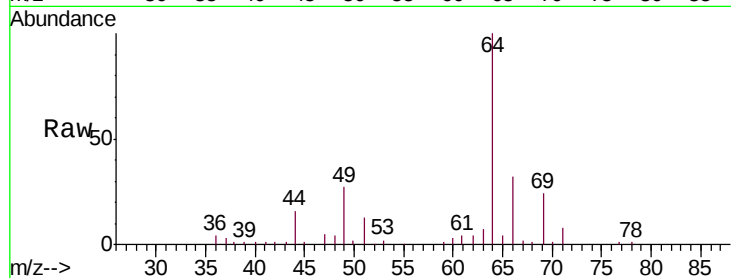
VSTD00526

Tgt Ion: 64 Resp: 31770

Ion Ratio Lower Upper

64 100

66 32.3 20.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VU034878.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU034878.D (-177) (-)

1.69

25000

20000

15000

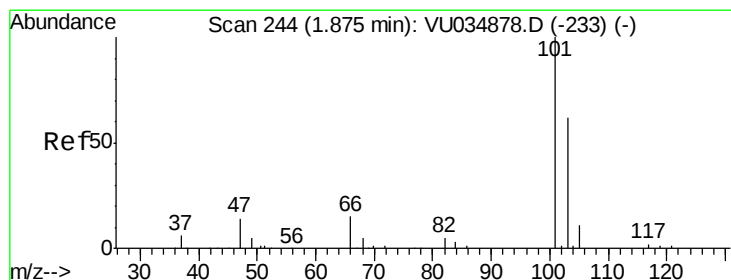
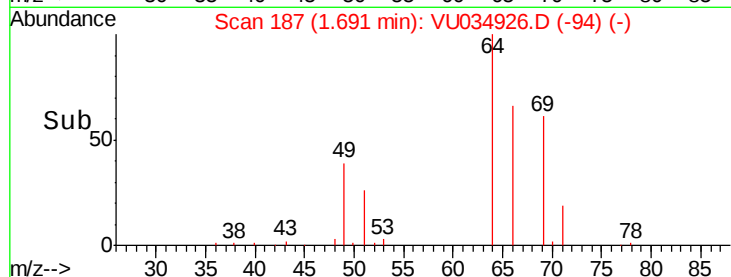
10000

5000

0

Time-->

1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 4.834 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU034926.D

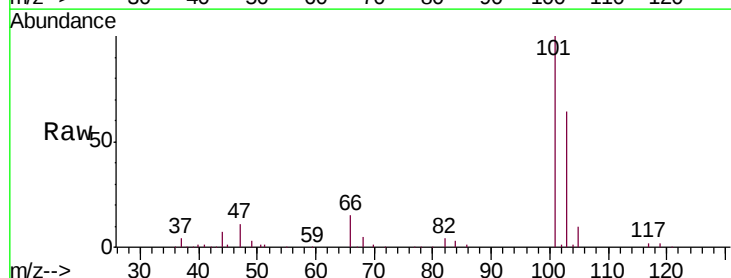
Acq: 04 Oct 2019 10:26

Tgt Ion: 101 Resp: 74744

Ion Ratio Lower Upper

101 100

103 63.9 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): VU034878.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034878.D (-233) (-)

1.87

60000

50000

40000

30000

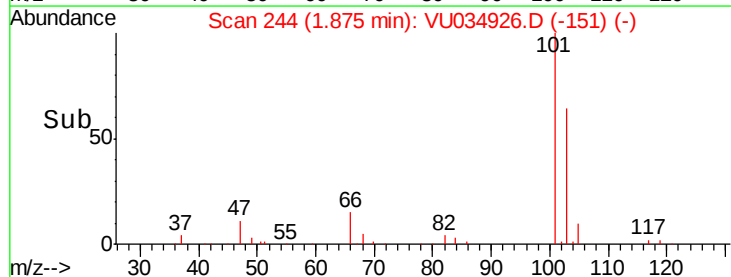
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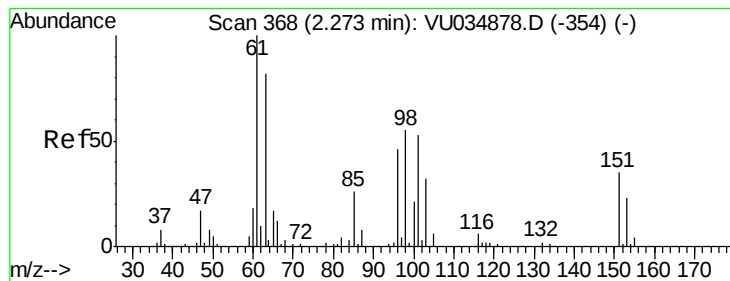
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0

Time-->

1.80 1.85 1.90 1.95





#10

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

Concen: 4.937 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

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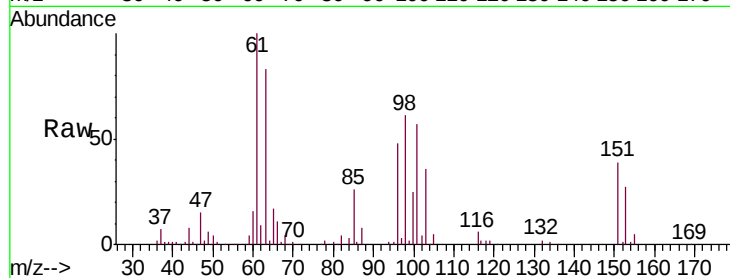
Tgt Ion:101 Resp: 47438

Ion Ratio Lower Upper

101 100

85 45.5 37.3 55.9

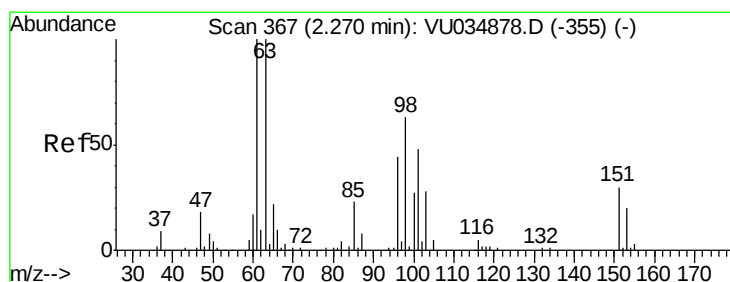
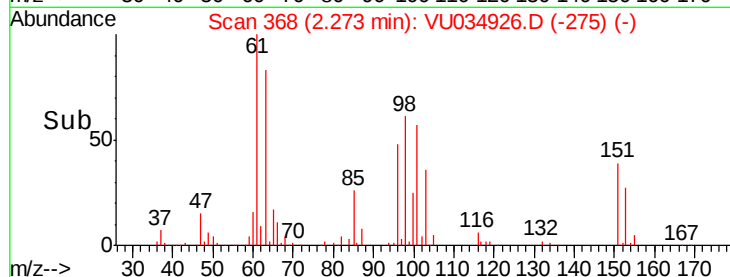
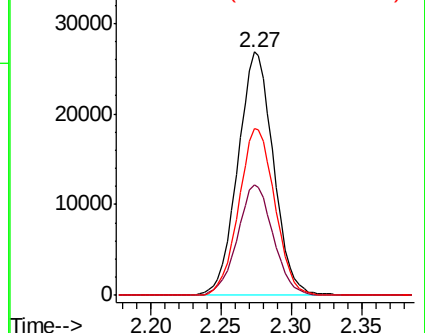
151 69.3 52.6 78.8



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: 4.825 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

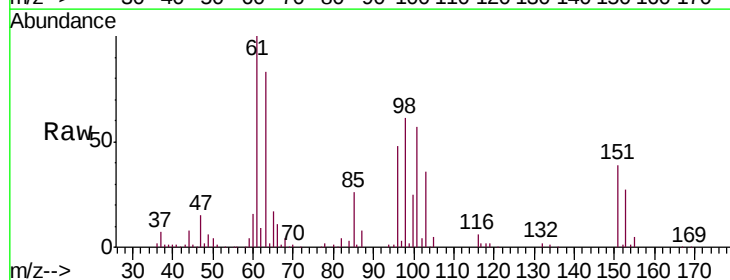
Tgt Ion: 96 Resp: 35069

Ion Ratio Lower Upper

96 100

61 207.0 160.5 298.1

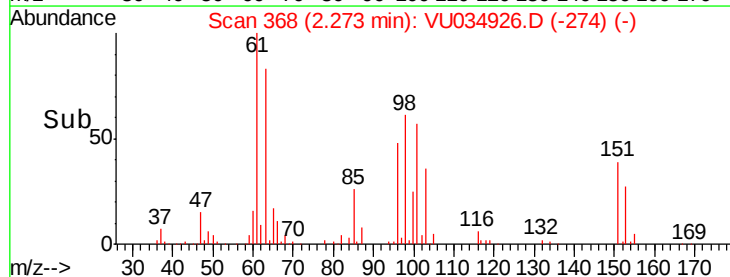
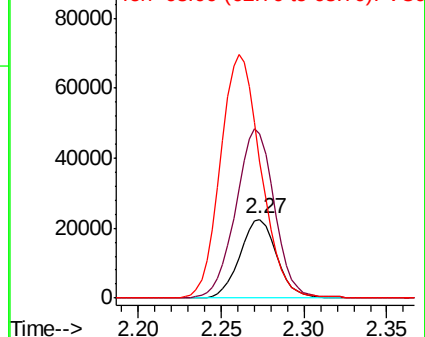
63 171.9 162.3 301.5

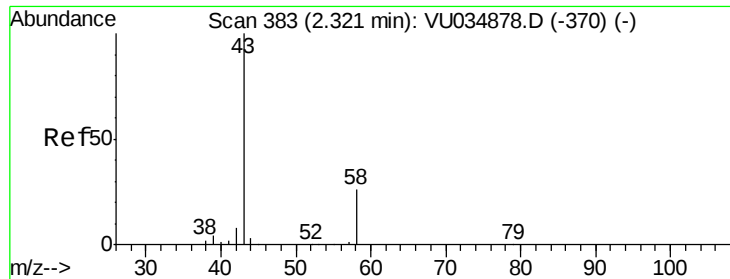


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.658 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.02 min

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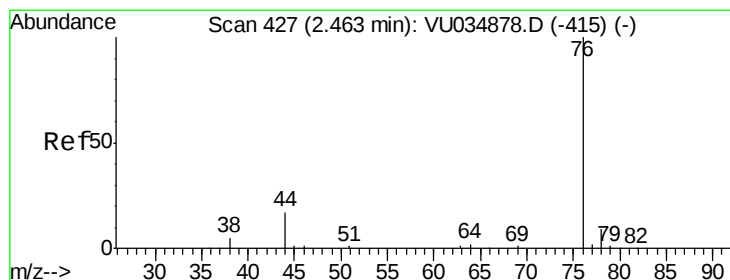
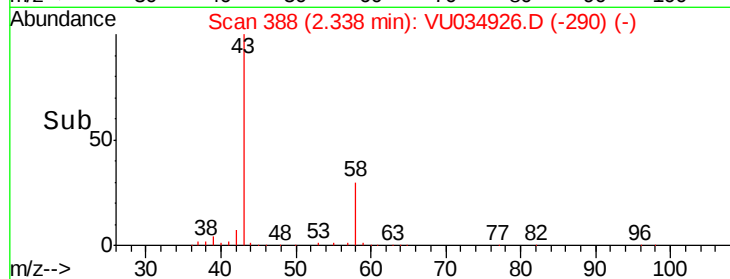
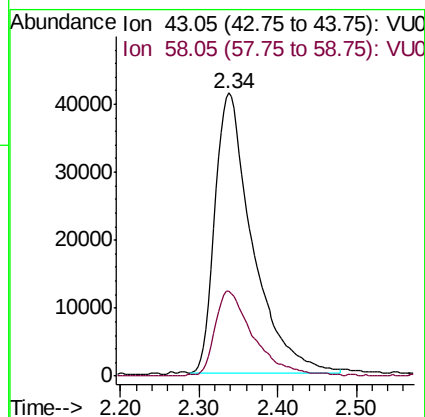
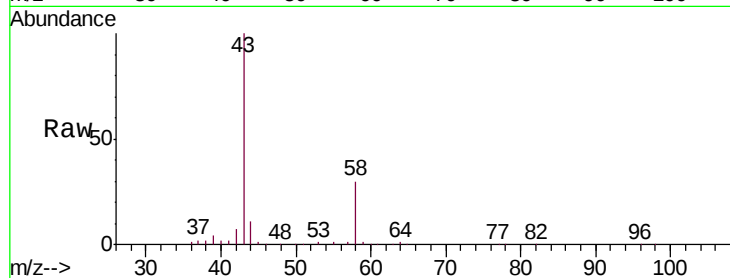
VSTD00526

Tgt Ion: 43 Resp: 136243

Ion Ratio Lower Upper

43 100

58 31.1 0.0 54.0



#14

Carbon disulfide

Concen: 4.817 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034926.D

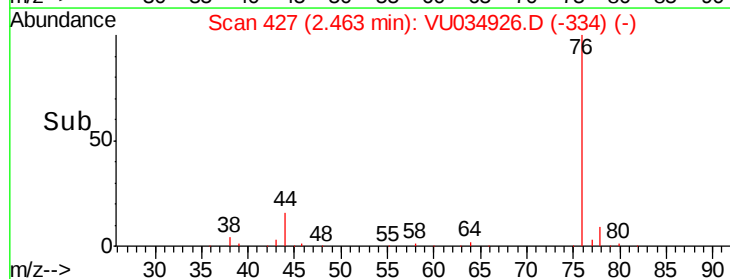
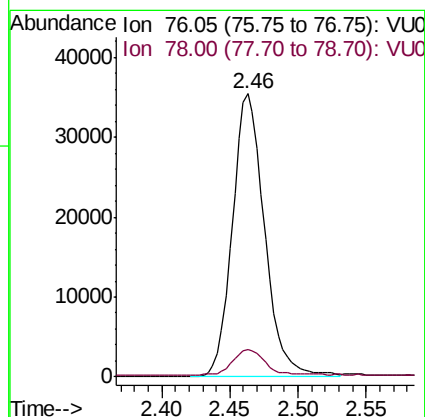
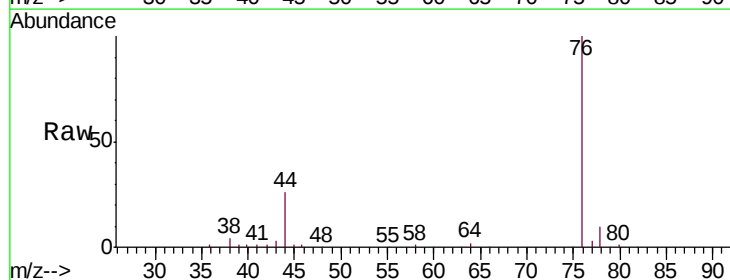
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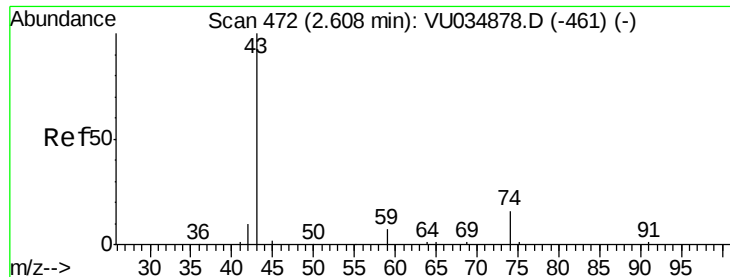
Tgt Ion: 76 Resp: 58222

Ion Ratio Lower Upper

76 100

78 9.6 7.9 11.9

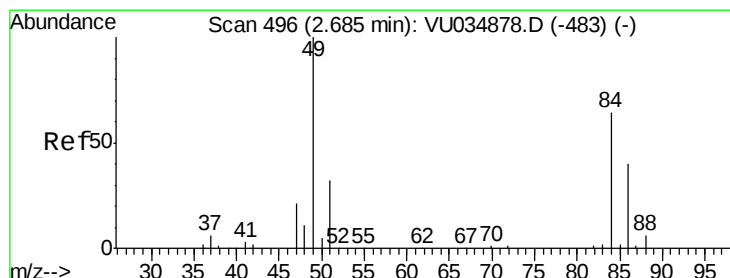
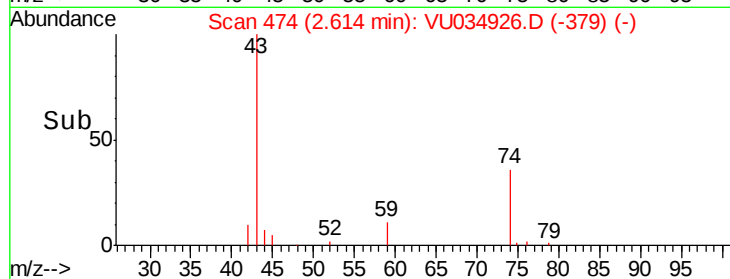
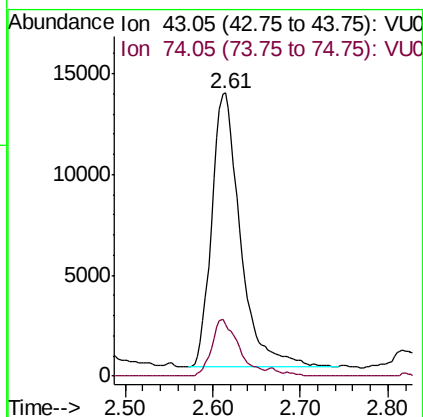
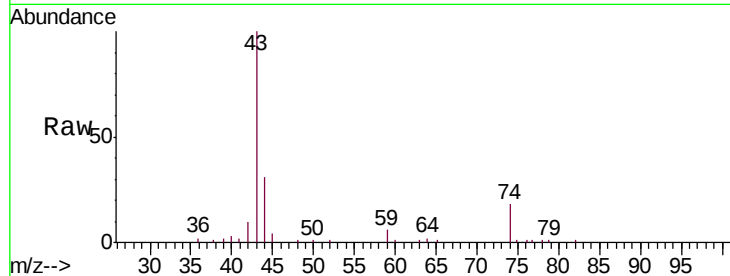




#15
Methyl Acetate
Concen: 4.623 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.01 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

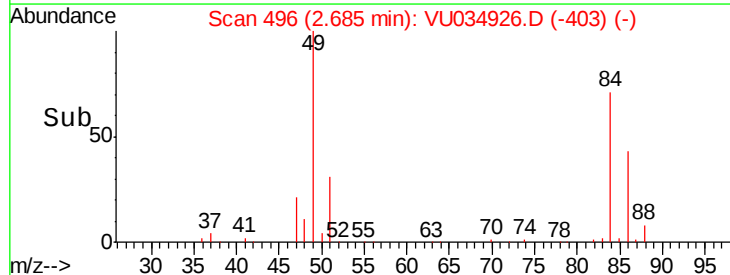
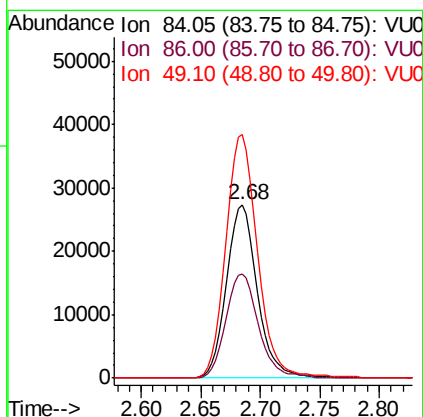
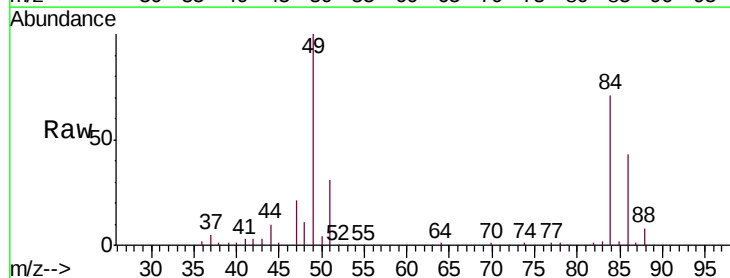
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

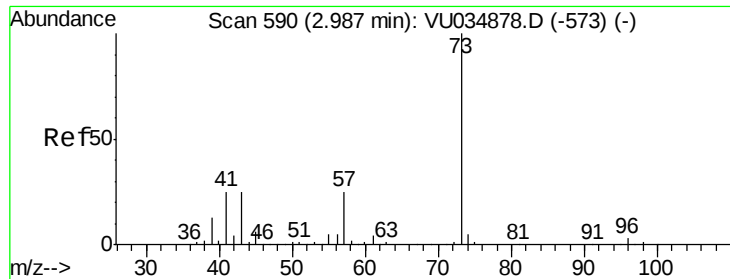
Tgt Ion: 43 Resp: 30991
Ion Ratio Lower Upper
43 100
74 19.3 15.5 23.3



#16
Methylene chloride
Concen: 4.301 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

Tgt Ion: 84 Resp: 49316
Ion Ratio Lower Upper
84 100
86 60.4 44.2 82.2
49 140.5 110.0 204.4

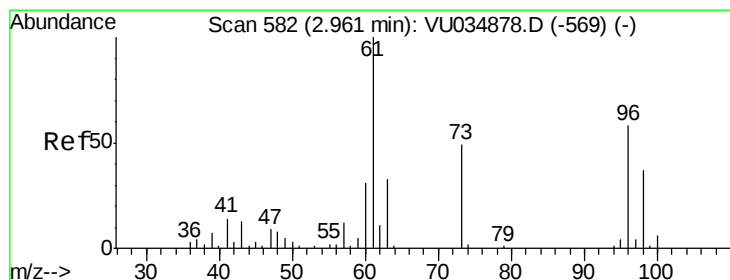
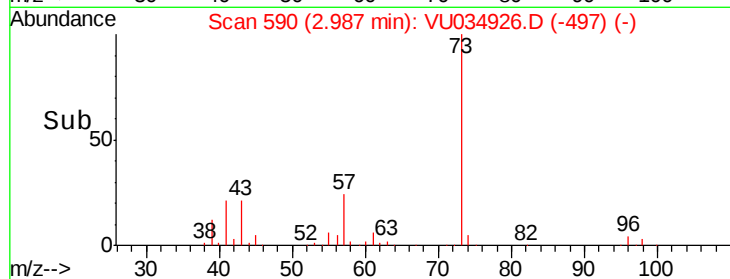
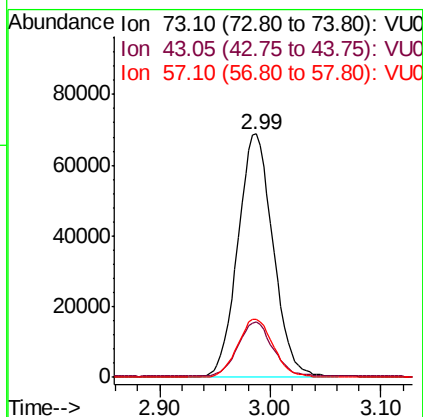
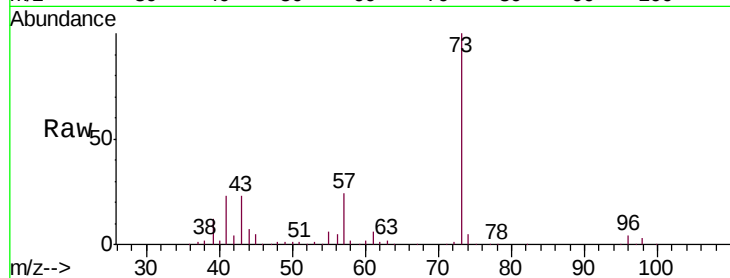




#17
Methyl tert-butyl Ether
Concen: 4.760 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

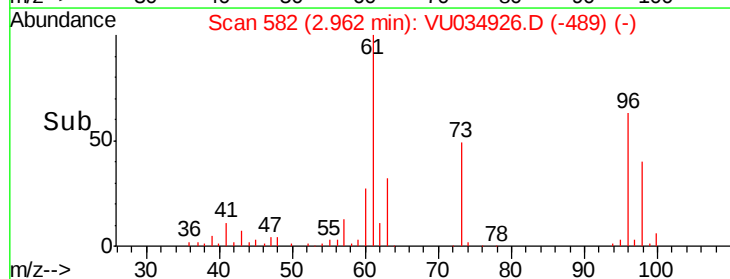
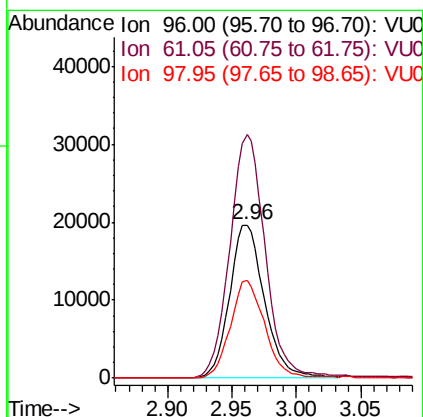
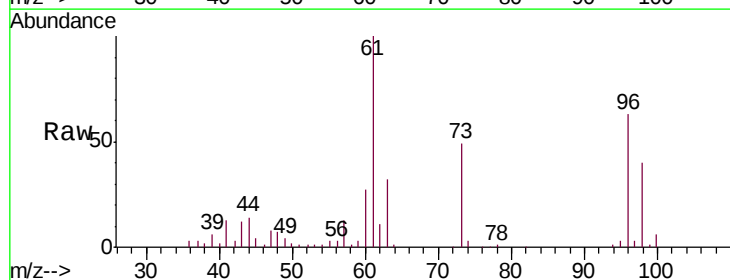
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

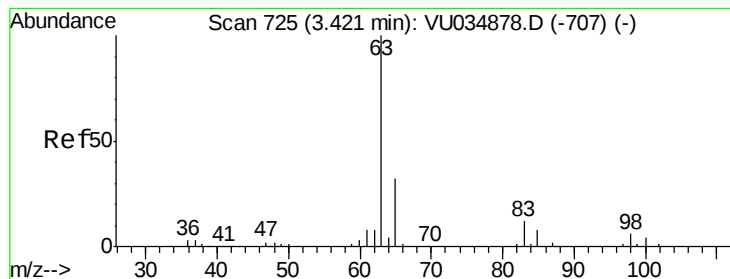
Tgt Ion: 73 Resp: 152728
Ion Ratio Lower Upper
73 100
43 21.9 20.8 31.2
57 24.4 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 4.981 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

Tgt Ion: 96 Resp: 37201
Ion Ratio Lower Upper
96 100
61 158.9 121.0 224.8
98 63.7 44.7 83.1





#19

1,1-Dichloroethane

Concen: 4.538 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

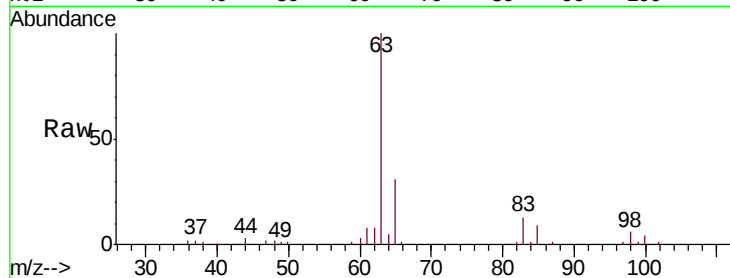
Tgt Ion: 63 Resp: 104890

Ion Ratio Lower Upper

63 100

65 31.4 22.7 42.1

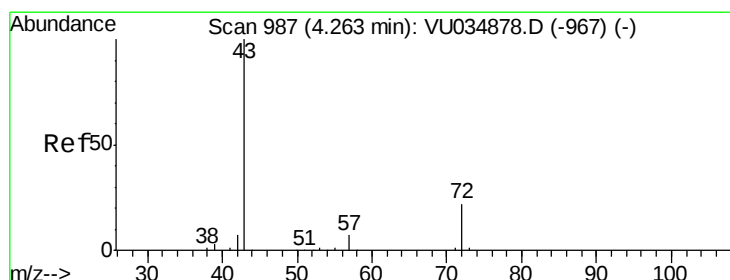
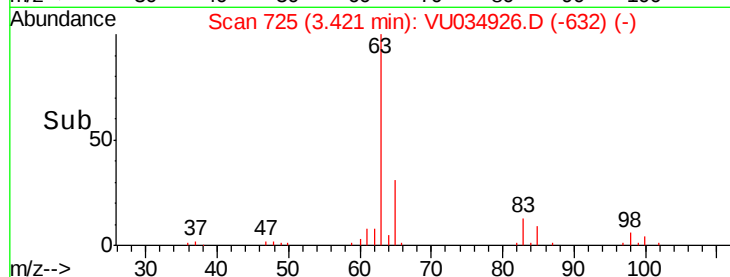
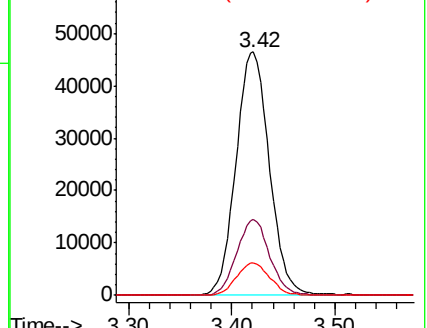
83 13.3 8.4 15.6



Abundance Ion 63.10 (62.80 to 63.80): VU034878.D (-707) (-)

Ion 65.10 (64.80 to 65.80): VU034878.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU034878.D (-707) (-)



#21

2-Butanone

Concen: 42.907 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.01 min

Lab File: VU034926.D

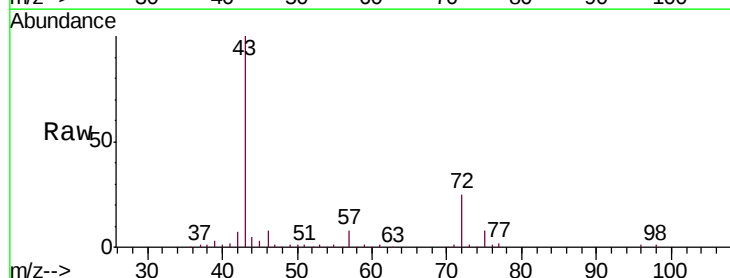
Acq: 04 Oct 2019 10:26

Tgt Ion: 43 Resp: 206344

Ion Ratio Lower Upper

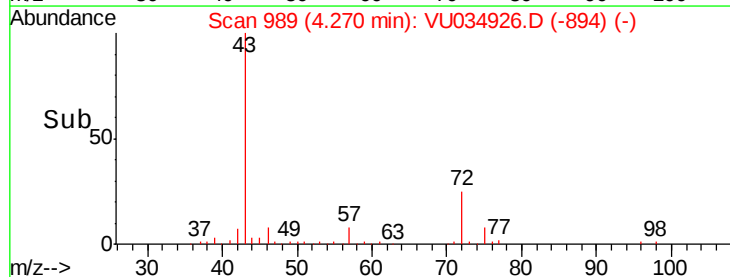
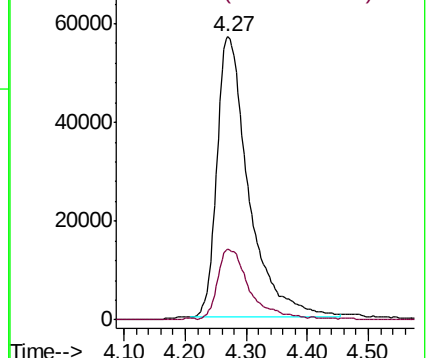
43 100

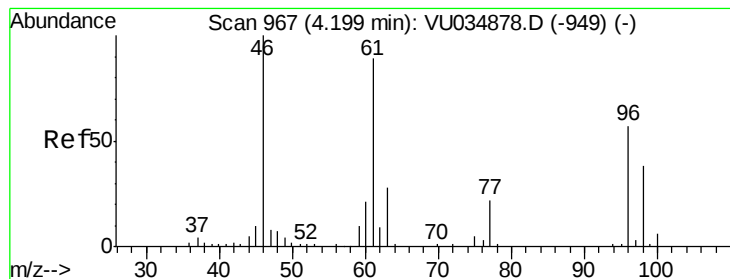
72 24.3 10.1 30.1



Abundance Ion 43.05 (42.75 to 43.75): VU034878.D (-967) (-)

Ion 72.10 (71.80 to 72.80): VU034878.D (-967) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.783 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

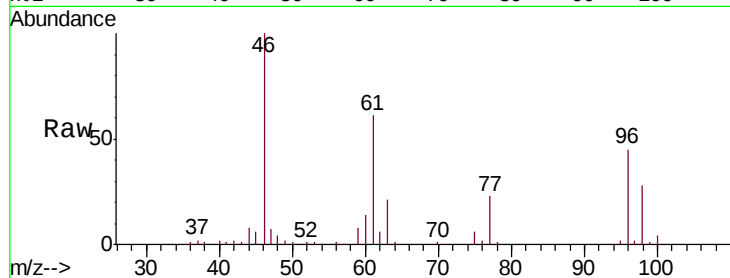
Tgt Ion: 96 Resp: 54754

Ion Ratio Lower Upper

96 100

61 134.6 108.6 201.8

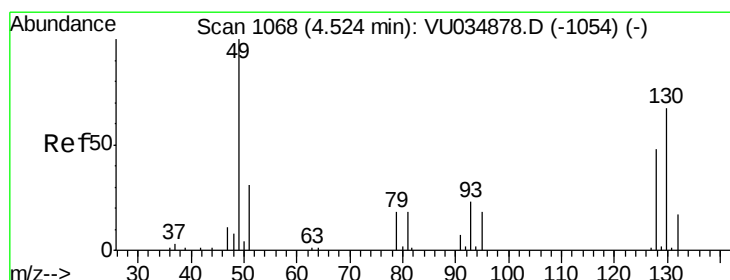
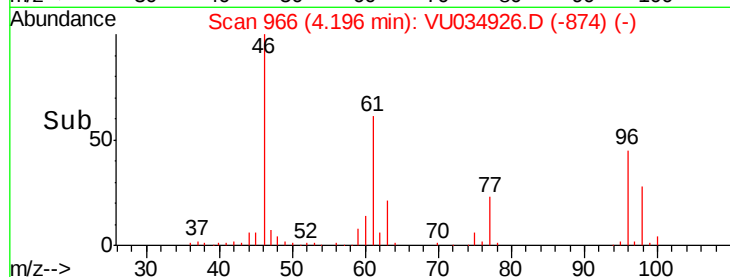
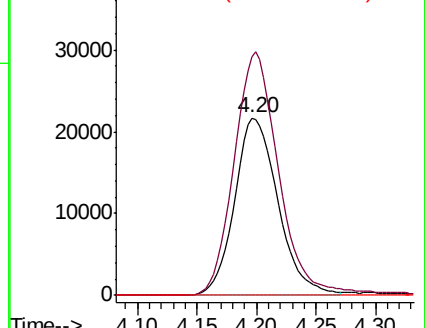
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034926.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU034926.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU034926.D (-874) (-)



#23

Bromochloromethane

Concen: 5.017 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Tgt Ion: 128 Resp: 23434

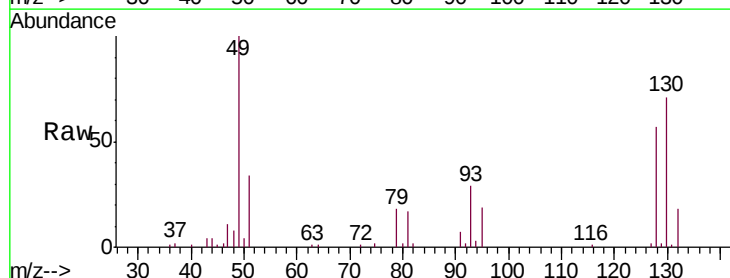
Ion Ratio Lower Upper

128 100

49 176.0 146.5 272.1

130 124.1 97.2 180.4

51 59.9 51.3 76.9

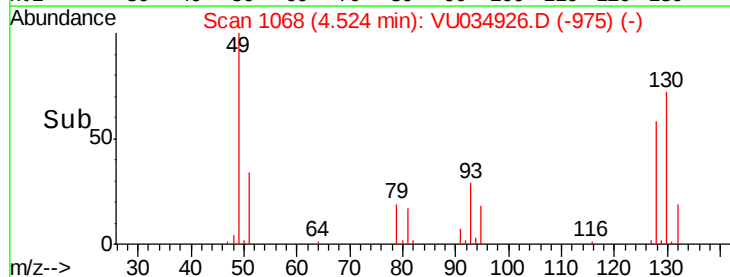
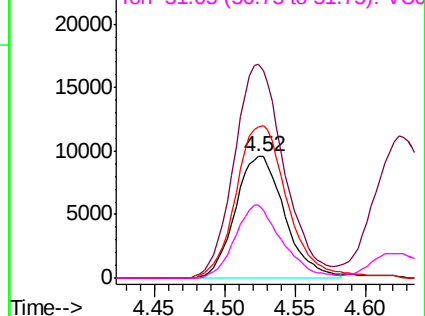


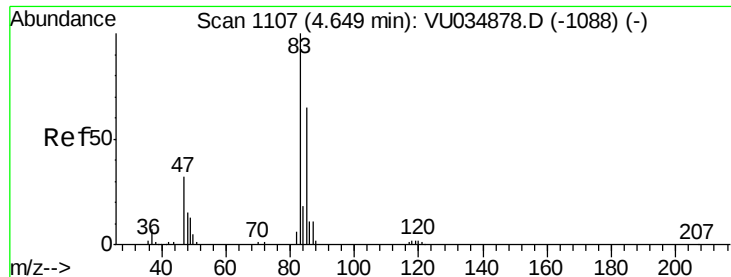
Abundance Ion 127.90 (127.60 to 128.60): VU034926.D (-975) (-)

Ion 49.10 (48.80 to 49.80): VU034926.D (-975) (-)

Ion 129.95 (129.65 to 130.65): VU034926.D (-975) (-)

Ion 51.05 (50.75 to 51.75): VU034926.D (-975) (-)

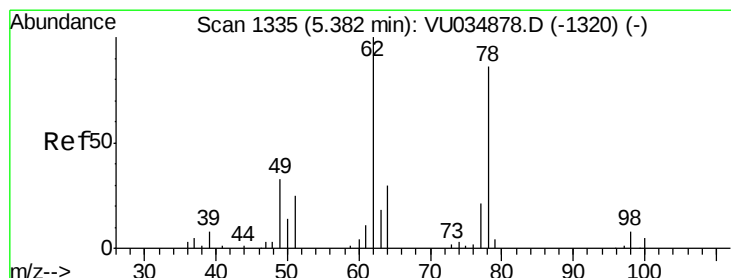
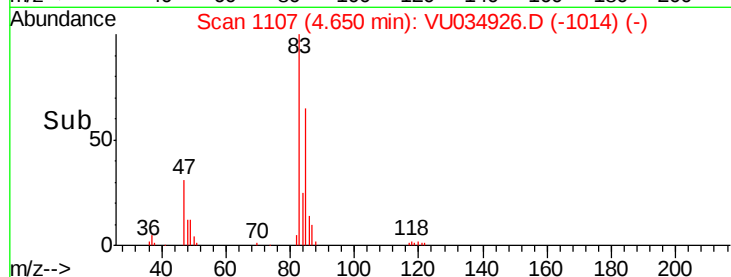
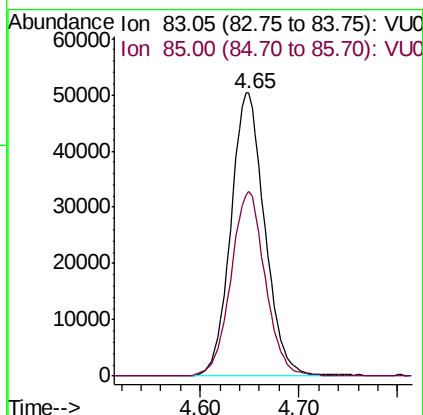
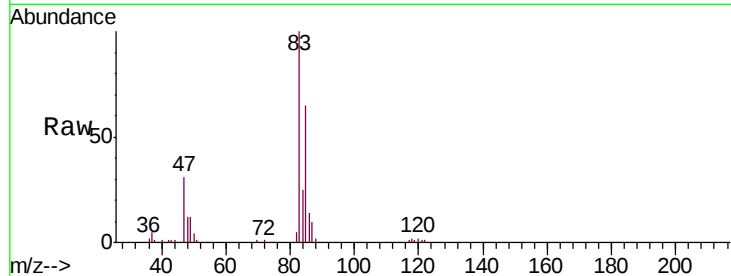




#25
Chloroform
Concen: 4.323 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

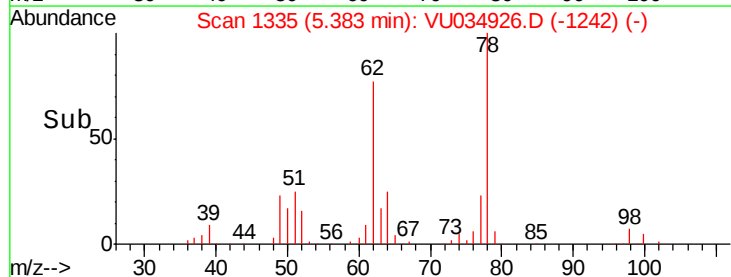
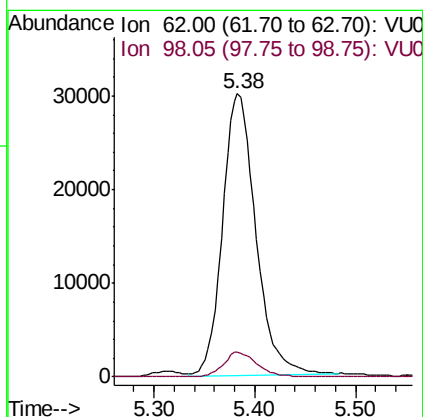
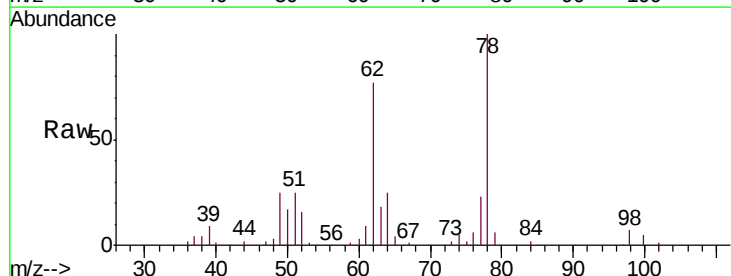
Instrument :
MSVOA_U
ClientSampled :
VSTD00526

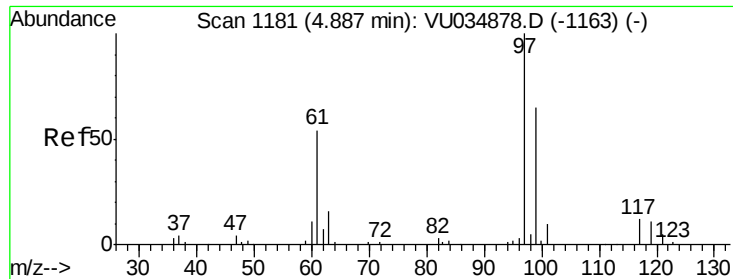
Tgt Ion: 83 Resp: 120241
Ion Ratio Lower Upper
83 100
85 65.4 45.2 84.0



#27
1,2-Dichloroethane
Concen: 4.215 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

Tgt Ion: 62 Resp: 69058
Ion Ratio Lower Upper
62 100
98 8.9 6.2 9.4

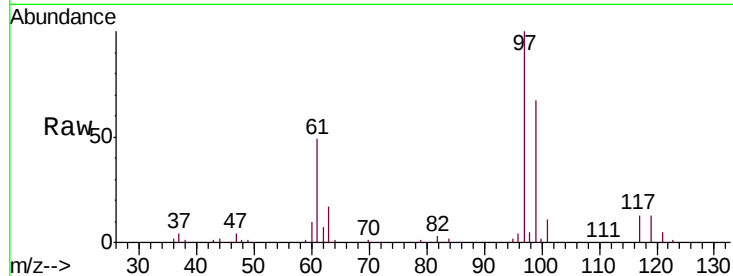




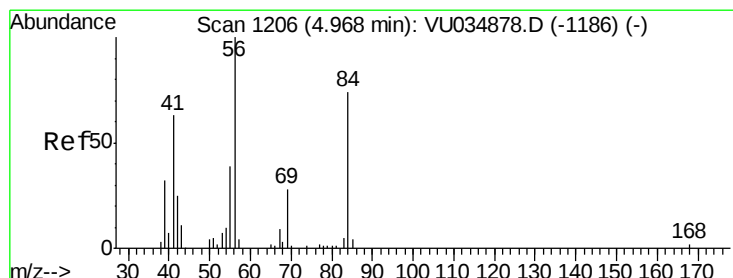
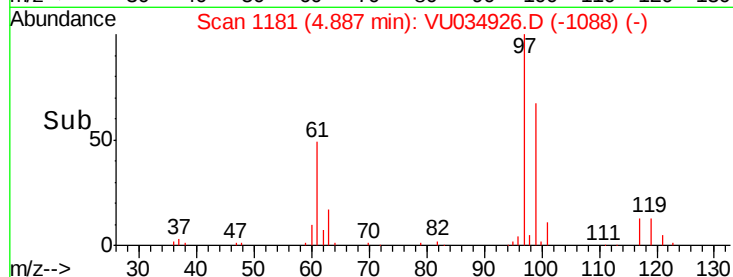
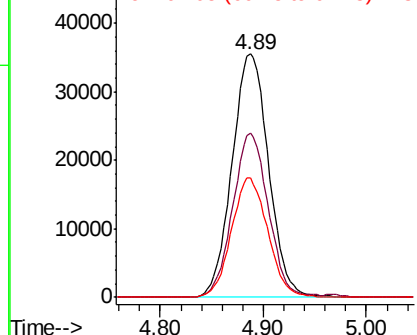
#29
 1,1,1-Trichloroethane
 Concen: 4.497 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU034926.D
 Acq: 04 Oct 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion: 97 Resp: 87539
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.2 78.4
 61 48.8 41.4 62.2

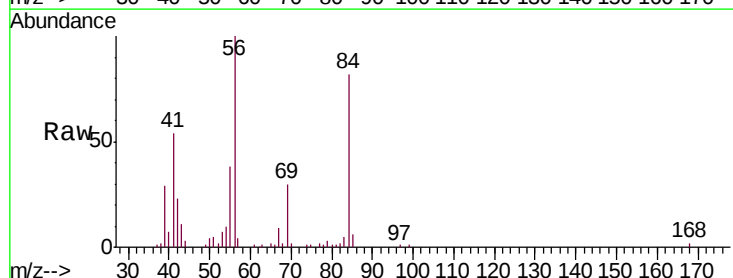


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

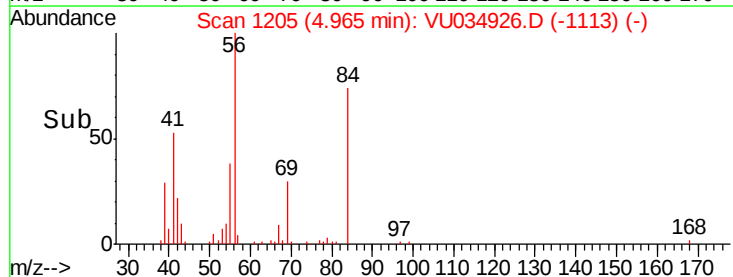
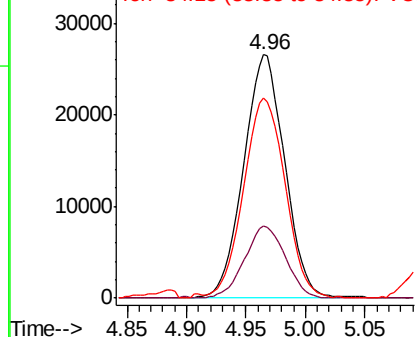


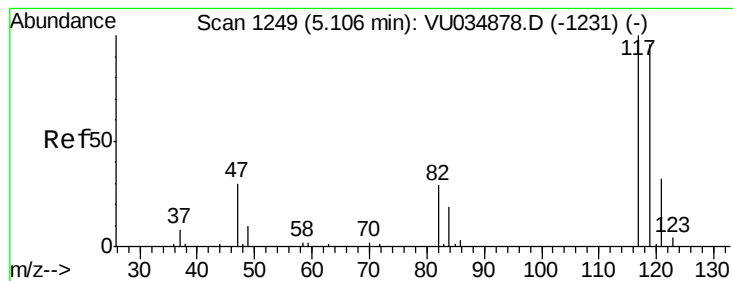
#30
 Cyclohexane
 Concen: 4.380 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VU034926.D
 Acq: 04 Oct 2019 10:26

Tgt Ion: 56 Resp: 63492
 Ion Ratio Lower Upper
 56 100
 69 29.3 22.6 34.0
 84 83.5 63.4 95.2



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: 4.509 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

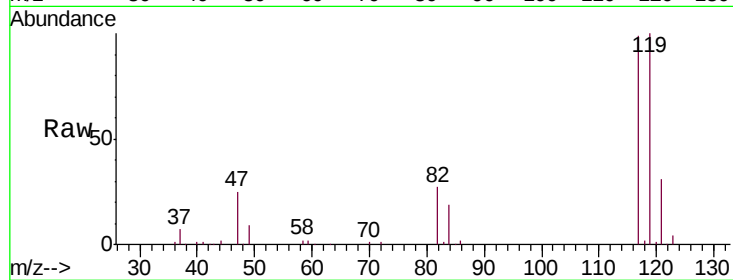
VSTD00526

Tgt Ion:117 Resp: 68044

Ion Ratio Lower Upper

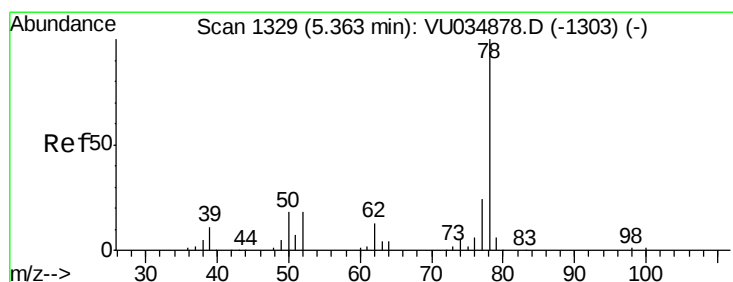
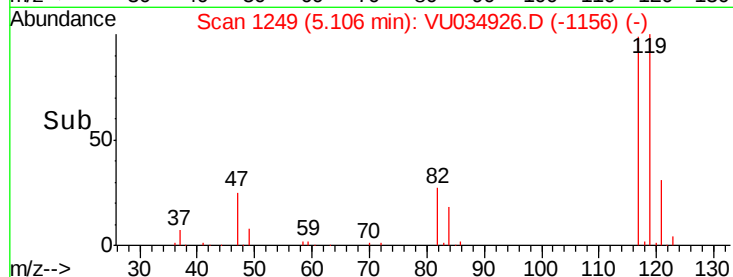
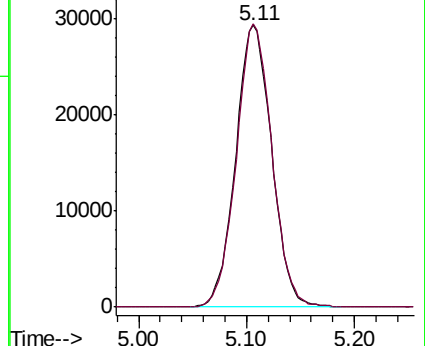
117 100

119 99.2 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.723 ug/L

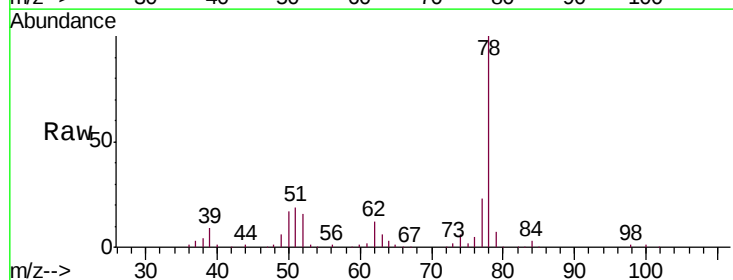
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

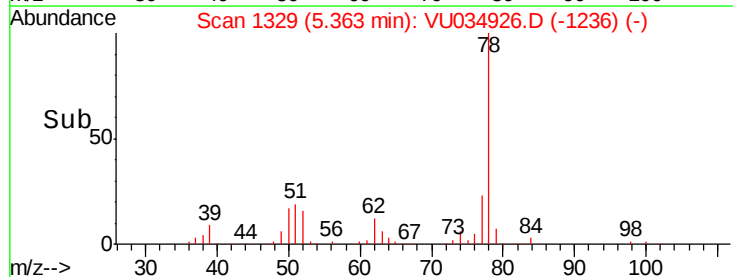
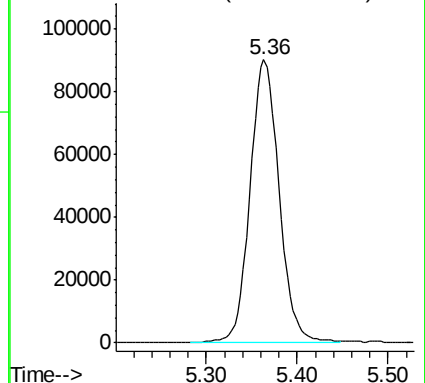
Lab File: VU034926.D

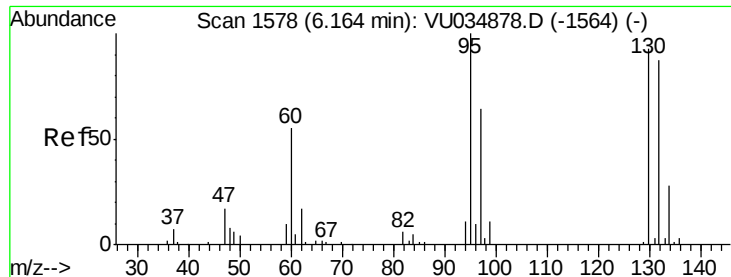
Acq: 04 Oct 2019 10:26

Tgt Ion: 78 Resp: 200873



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.604 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tgt Ion: 95 Resp: 51804

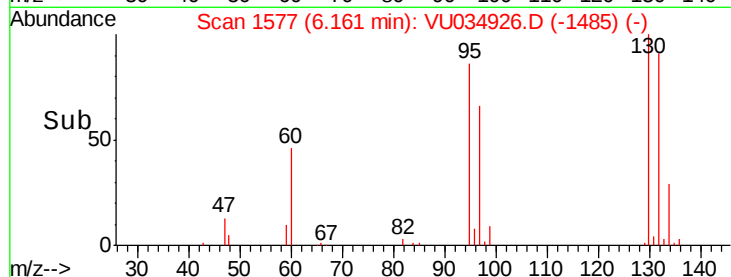
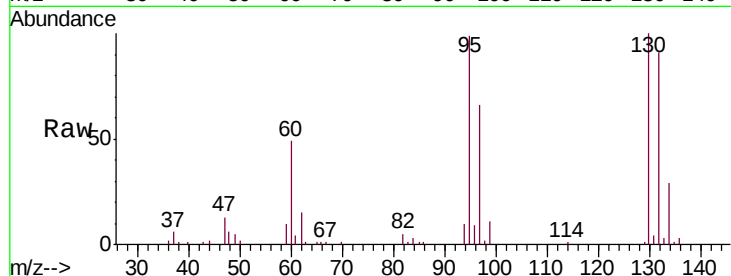
Ion Ratio Lower Upper

95 100

97 66.5 45.1 83.7

132 91.9 61.2 113.8

130 101.4 65.1 120.9



Abundance Ion 95.00 (94.70 to 95.70): VU034878.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU034878.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU034878.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU034878.D (-1564) (-)

Time-->

6.05 6.10 6.15 6.20 6.25

6.16

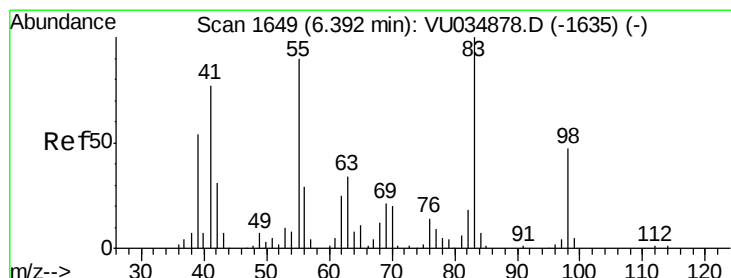
40000

30000

20000

10000

0



#35

Methylcyclohexane

Concen: 4.815 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

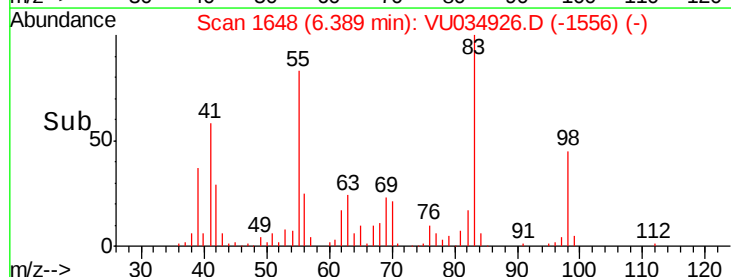
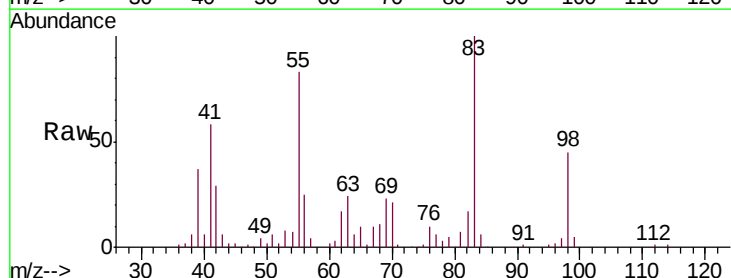
Tgt Ion: 83 Resp: 67654

Ion Ratio Lower Upper

83 100

55 80.0 68.9 103.3

98 44.2 36.6 54.8



Abundance Ion 83.15 (82.85 to 83.85): VU034878.D (-1635) (-)

Ion 55.10 (54.80 to 55.80): VU034878.D (-1635) (-)

Ion 98.15 (97.85 to 98.85): VU034878.D (-1635) (-)

Time-->

6.30 6.35 6.40 6.45

6.39

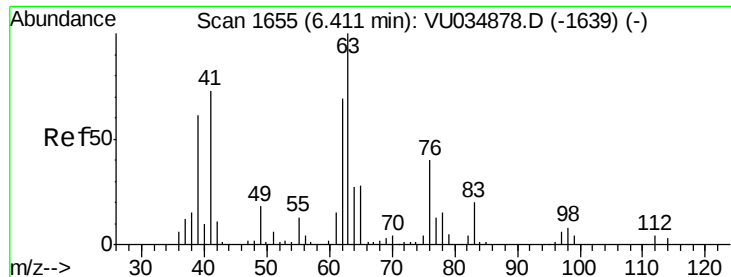
40000

30000

20000

10000

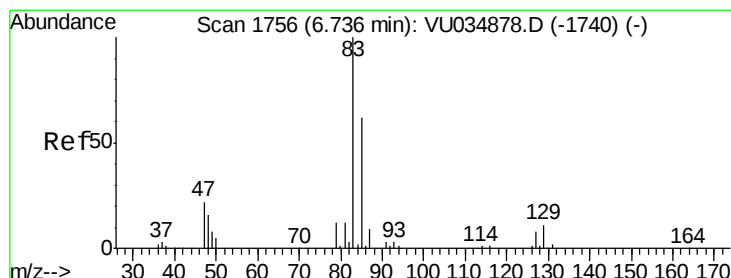
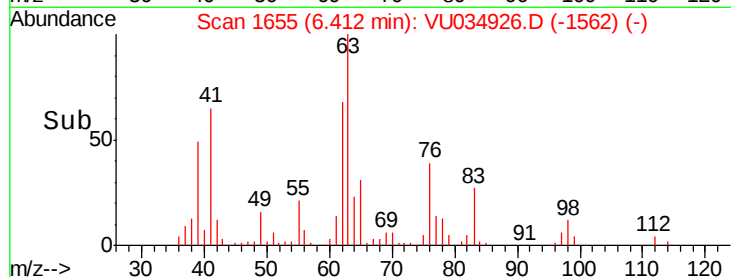
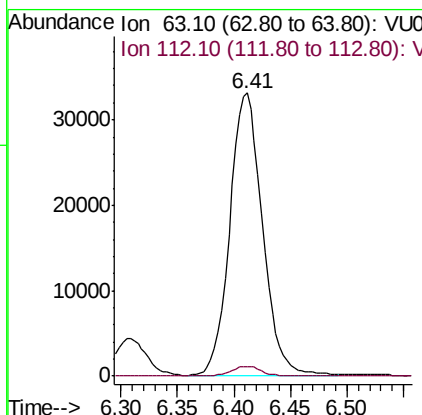
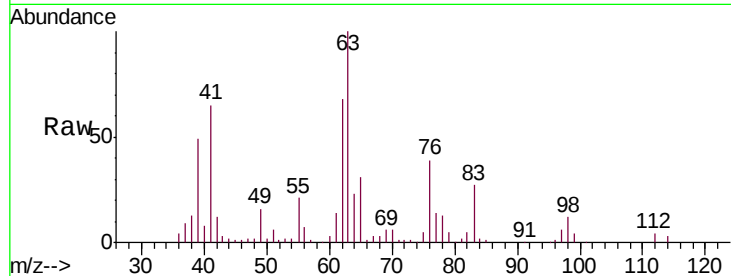
0



#37
 1,2-Dichloropropane
 Concen: 4.564 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034926.D
 Acq: 04 Oct 2019 10:26

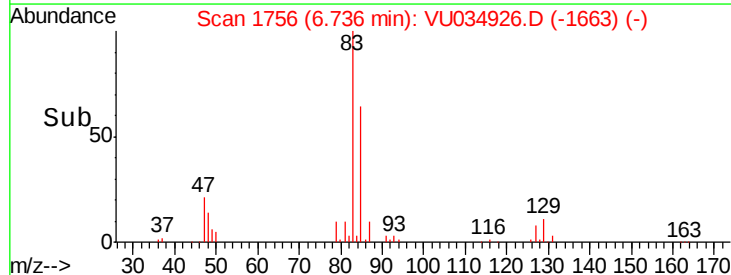
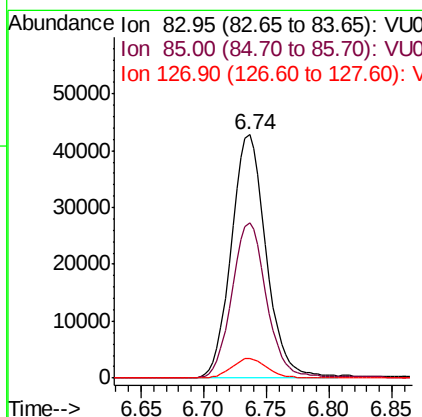
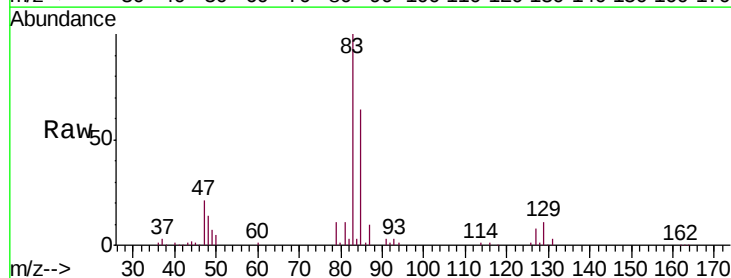
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

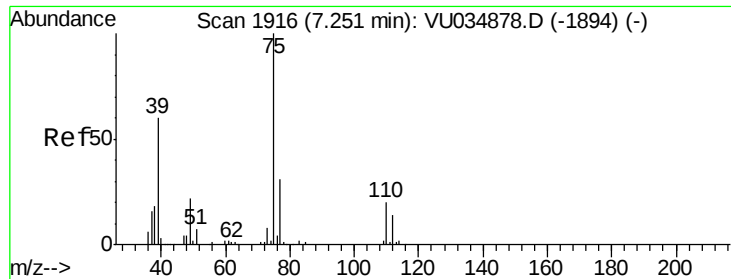
Tgt Ion: 63 Resp: 66317
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.6 4.0



#38
 Bromodichloromethane
 Concen: 4.563 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034926.D
 Acq: 04 Oct 2019 10:26

Tgt Ion: 83 Resp: 82784
 Ion Ratio Lower Upper
 83 100
 85 63.7 43.5 80.7
 127 8.2 6.2 9.4

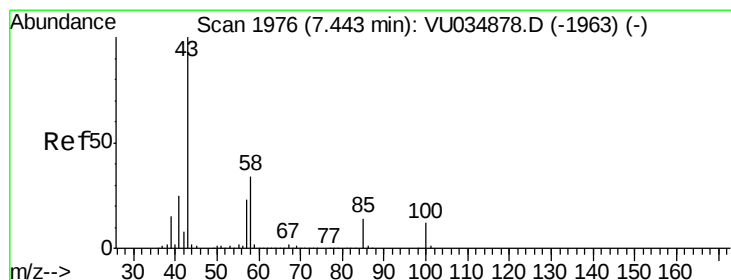
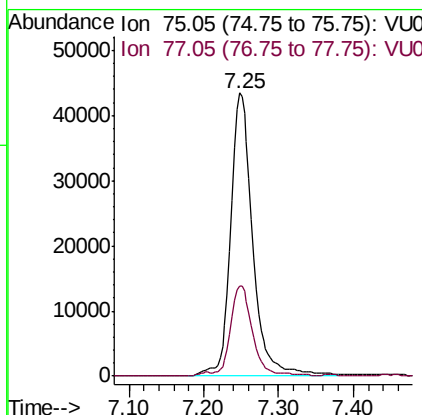
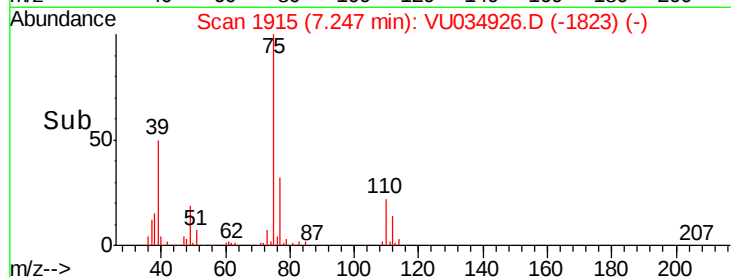
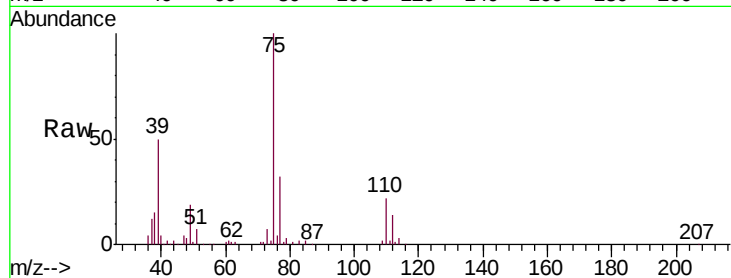




#39
 cis-1,3-Dichloropropene
 Concen: 4.785 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034926.D
 Acq: 04 Oct 2019 10:26

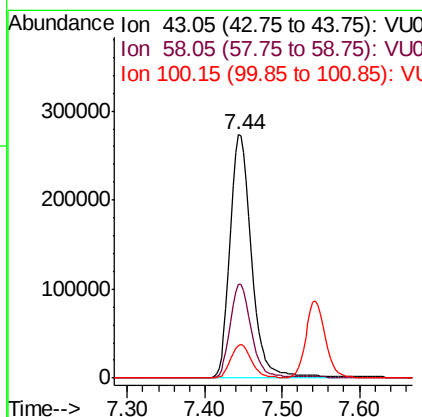
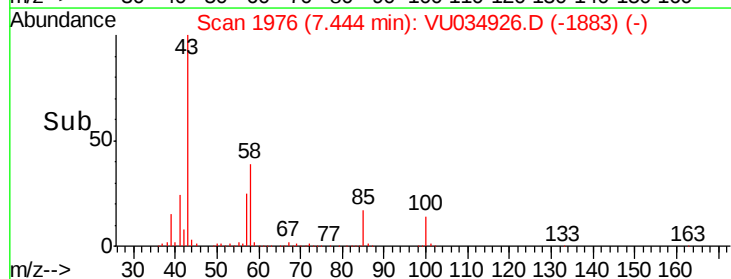
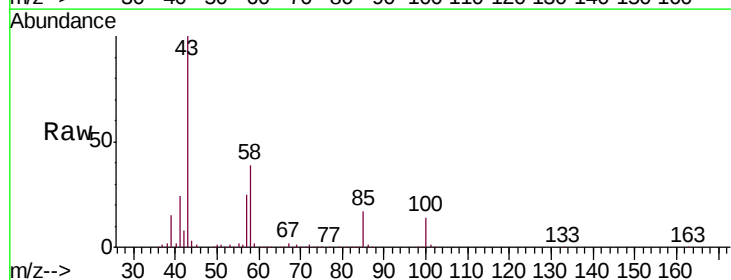
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

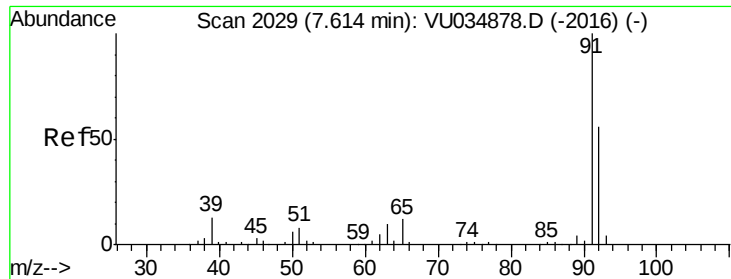
Tgt Ion: 75 Resp: 89530
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 41.533 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU034926.D
 Acq: 04 Oct 2019 10:26

Tgt Ion: 43 Resp: 522993
 Ion Ratio Lower Upper
 43 100
 58 38.1 27.0 40.6
 100 13.4 9.2 13.8





#42

Toluene

Concen: 4.719 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

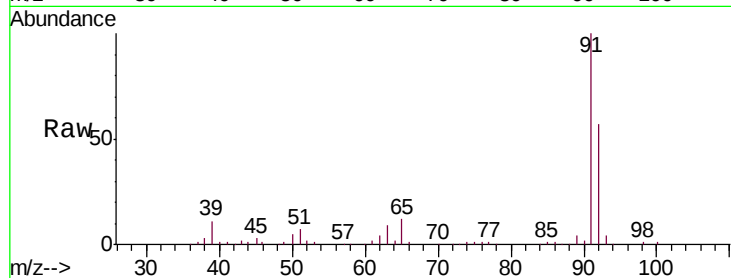
VSTD00526

Tgt Ion: 91 Resp: 219289

Ion Ratio Lower Upper

91 100

92 57.4 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU034878.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU034878.D (-2016) (-)

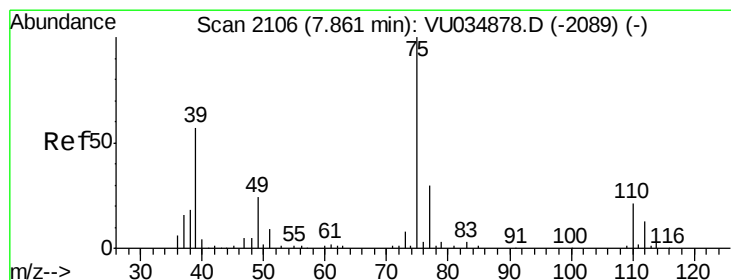
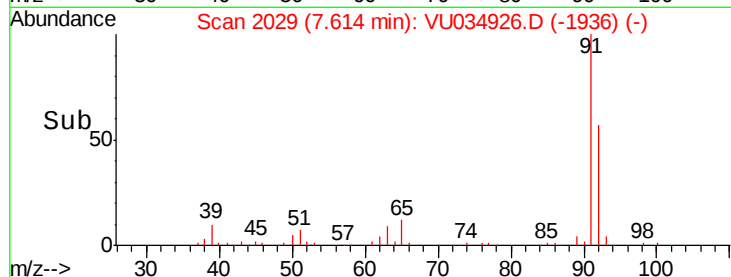
7.61

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.794 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034926.D

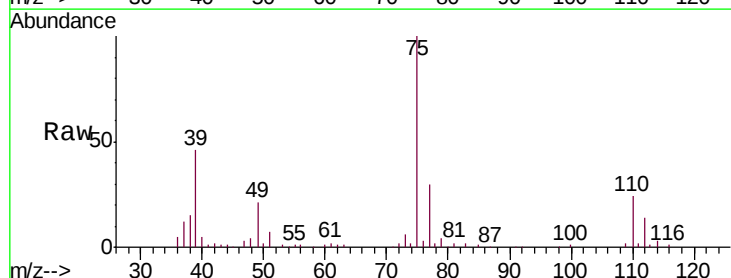
Acq: 04 Oct 2019 10:26

Tgt Ion: 75 Resp: 75319

Ion Ratio Lower Upper

75 100

77 30.5 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VU034878.D (-2089) (-)

Ion 77.05 (76.75 to 77.75): VU034878.D (-2089) (-)

7.86

40000

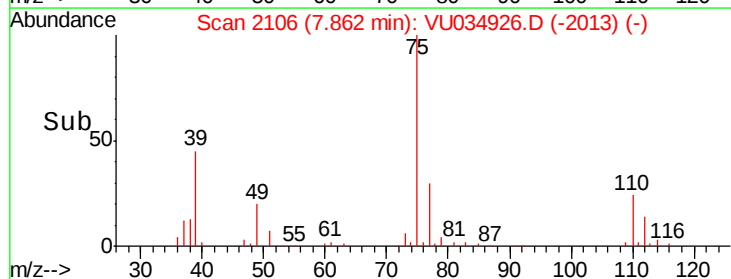
30000

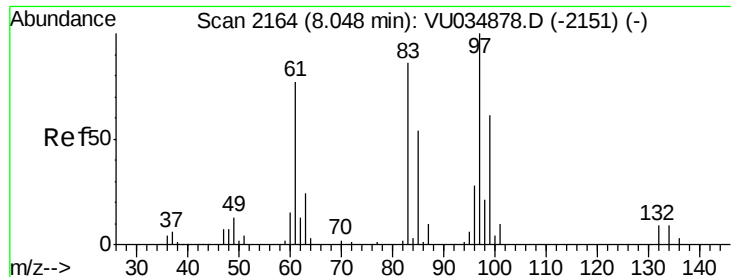
20000

10000

0

Time-->

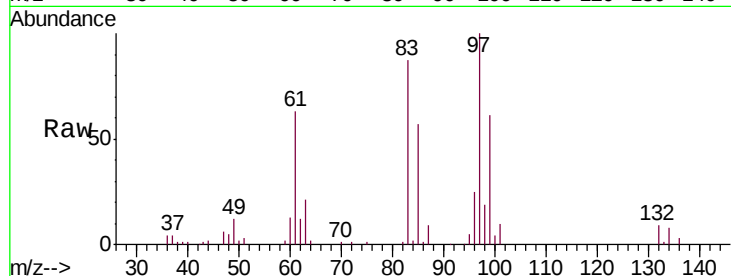




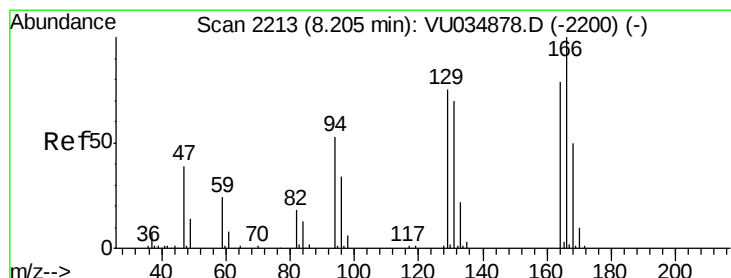
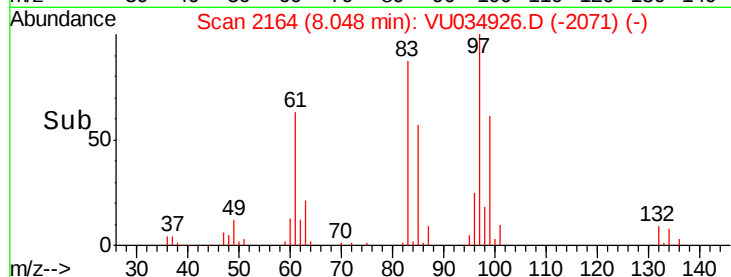
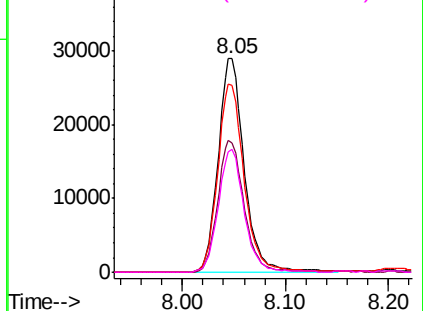
#45
 1,1,2-Trichloroethane
 Concen: 4.962 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034926.D
 Acq: 04 Oct 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion:	97	Resp:	50771
Ion	Ratio	Lower	Upper
97	100		
99	60.6	42.6	79.0
83	87.2	60.1	111.7
85	57.4	38.0	70.6

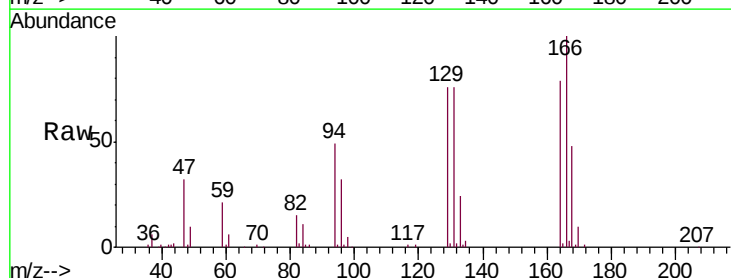


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

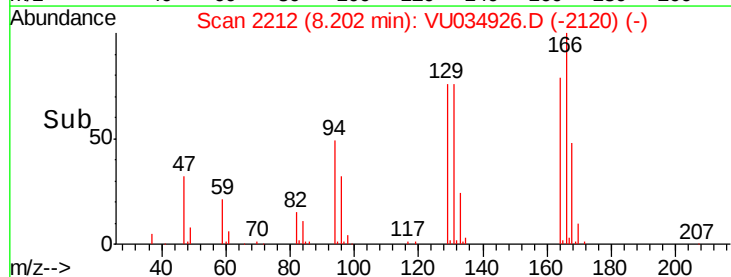
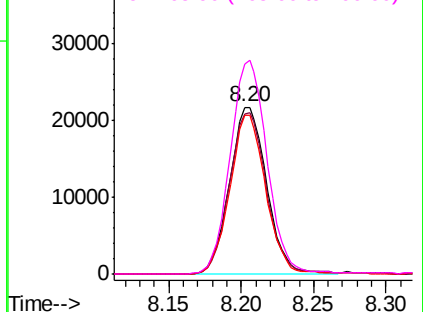


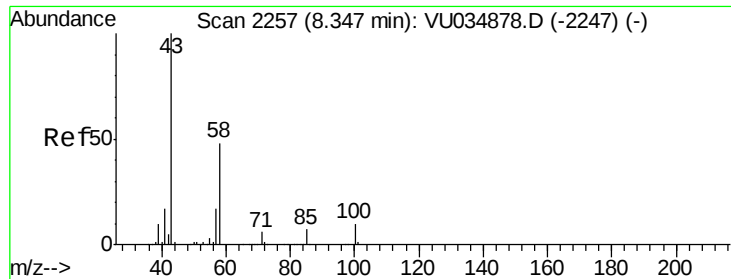
#47
 Tetrachloroethene
 Concen: 5.173 ug/L
 RT: 8.20 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VU034926.D
 Acq: 04 Oct 2019 10:26

Tgt Ion:	164	Resp:	38550
Ion	Ratio	Lower	Upper
164	100		
129	95.4	66.3	123.1
131	95.4	62.2	115.4
166	125.8	88.4	164.2



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

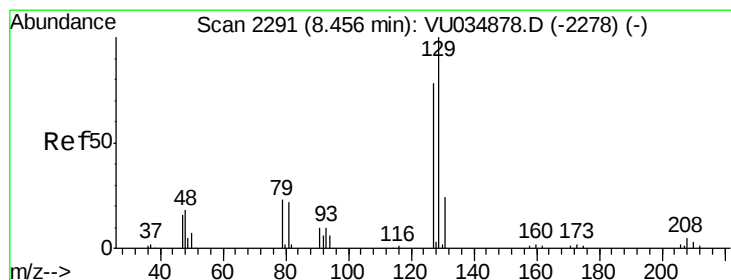
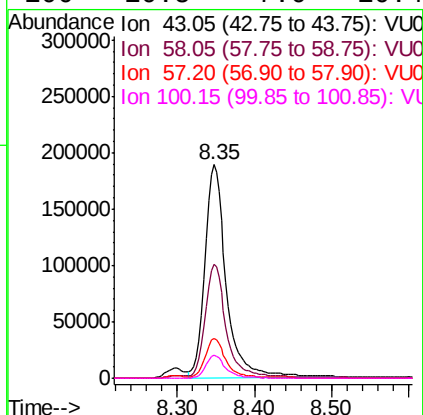
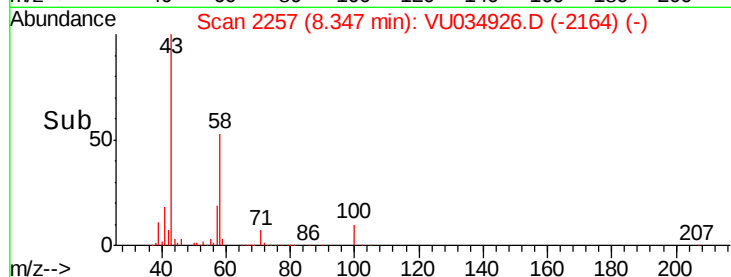
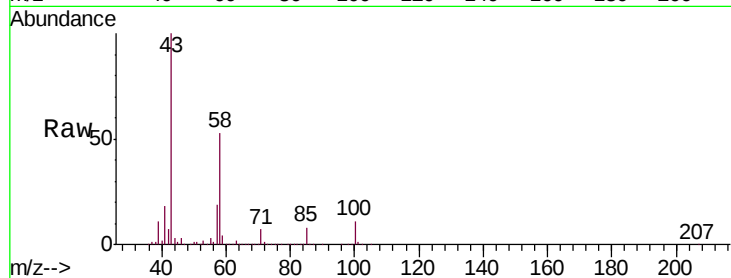




#48
2-Hexanone
Concen: 43.354 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

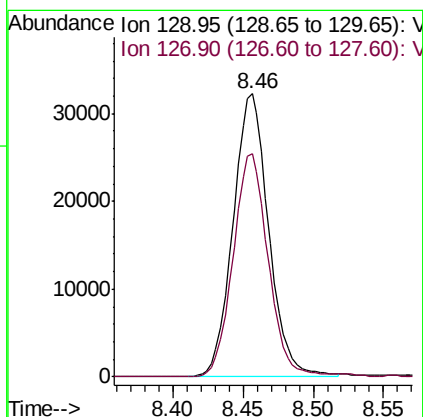
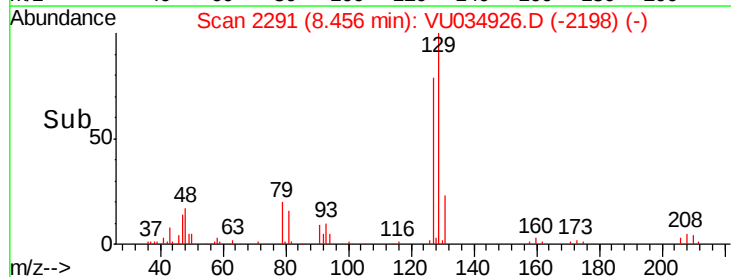
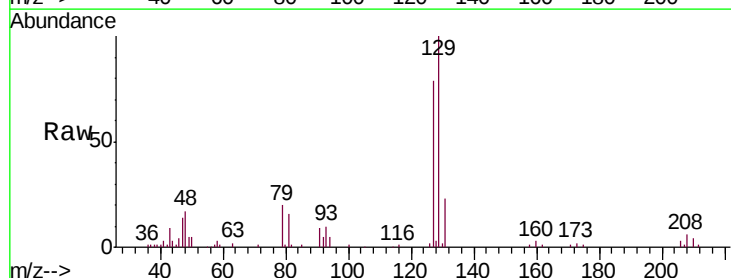
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

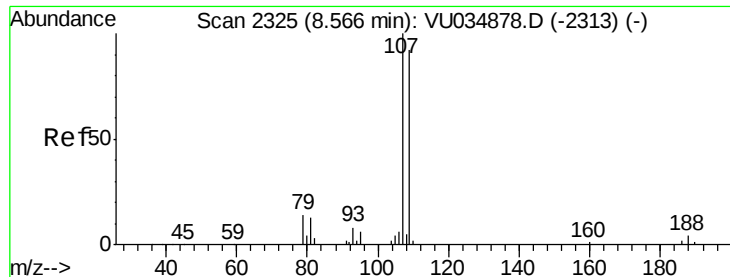
Tgt Ion: 43 Resp: 362251
Ion Ratio Lower Upper
43 100
58 52.3 37.1 55.7
57 18.4 13.4 20.0
100 10.5 7.0 10.4#



#49
Dibromochloromethane
Concen: 4.926 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

Tgt Ion: 129 Resp: 57117
Ion Ratio Lower Upper
129 100
127 78.9 54.3 100.9

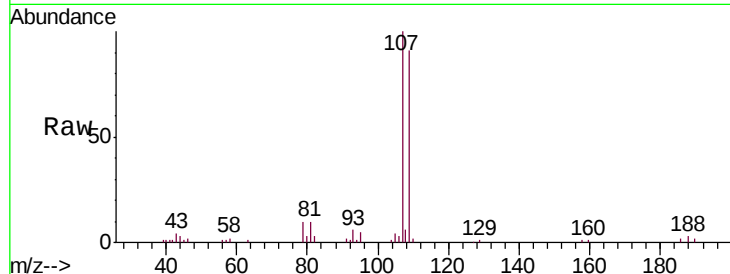




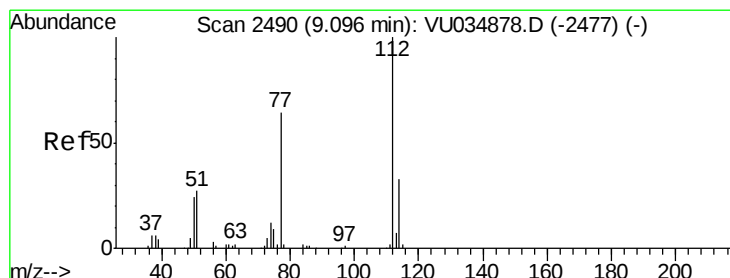
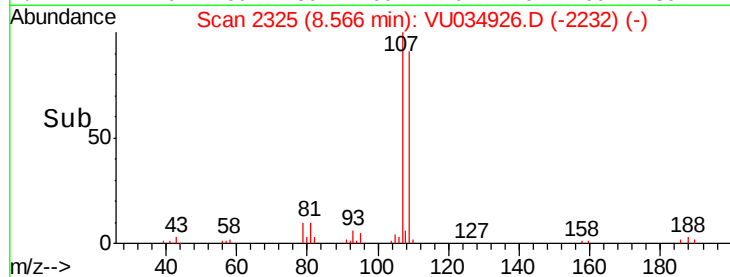
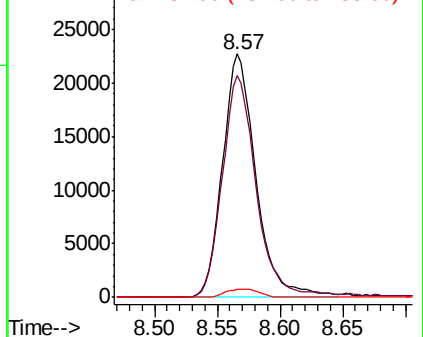
#50
1,2-Dibromoethane
Concen: 5.082 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tgt Ion:107 Resp: 41950
Ion Ratio Lower Upper
107 100
109 90.9 64.6 120.0
188 3.2 2.9 4.3

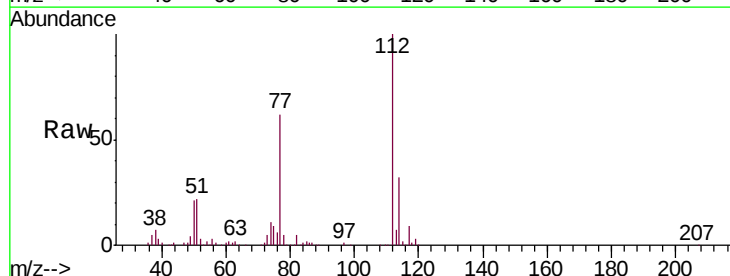


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

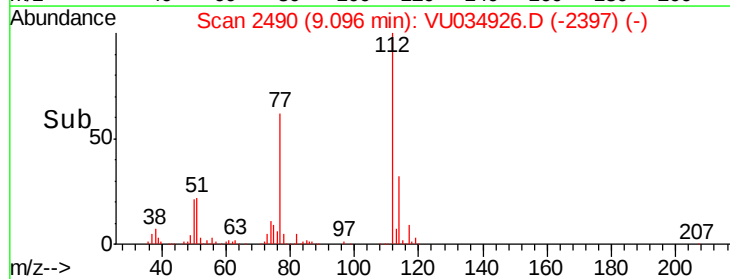
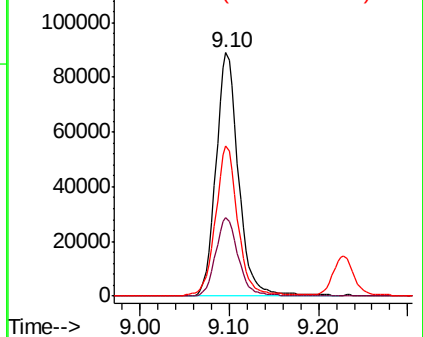


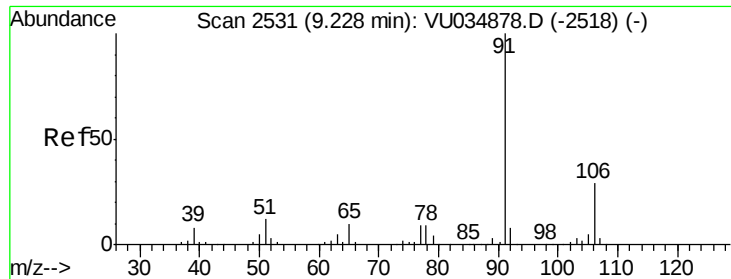
#51
Chlorobenzene
Concen: 4.948 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

Tgt Ion:112 Resp: 155719
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.3
77 61.7 51.5 77.3



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

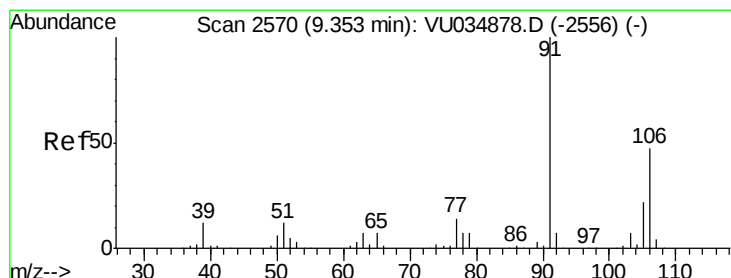
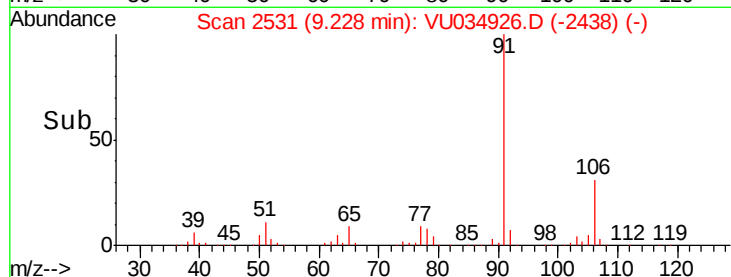
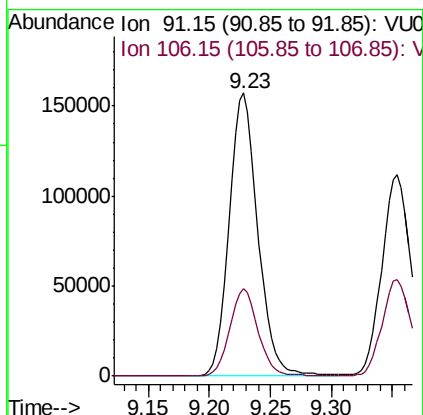
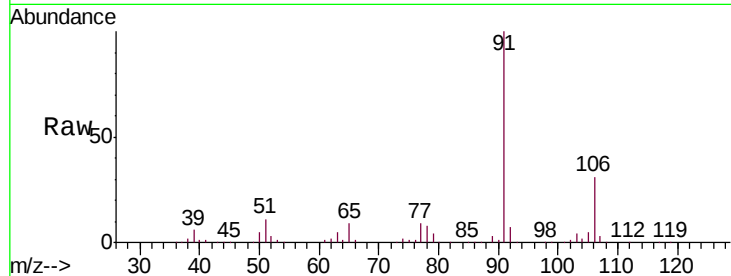




#52
Ethylbenzene
Concen: 4.674 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

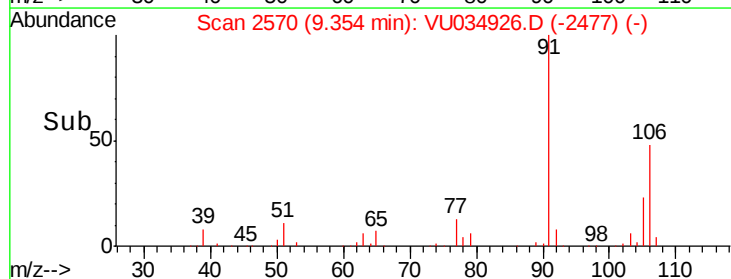
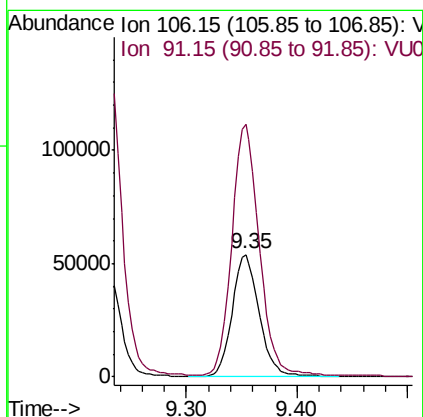
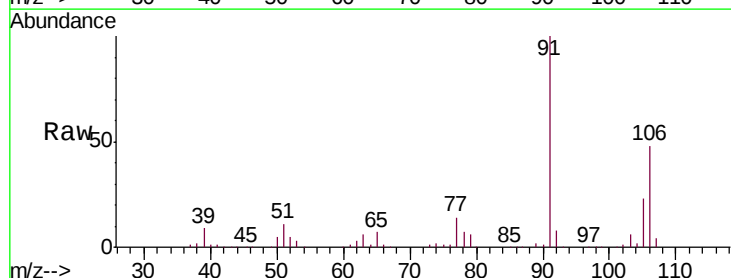
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

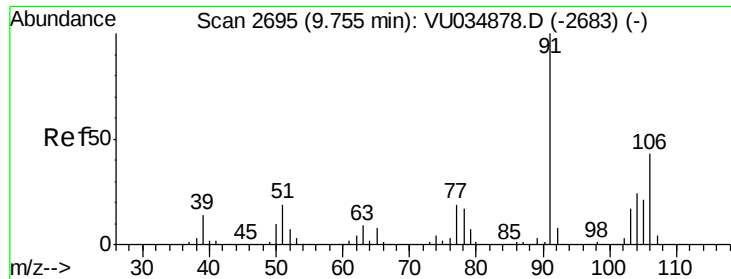
Tgt Ion: 91 Resp: 258456
Ion Ratio Lower Upper
91 100
106 30.8 20.2 37.4



#53
m,p-Xylene
Concen: 4.723 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

Tgt Ion: 106 Resp: 91051
Ion Ratio Lower Upper
106 100
91 206.9 149.4 277.5

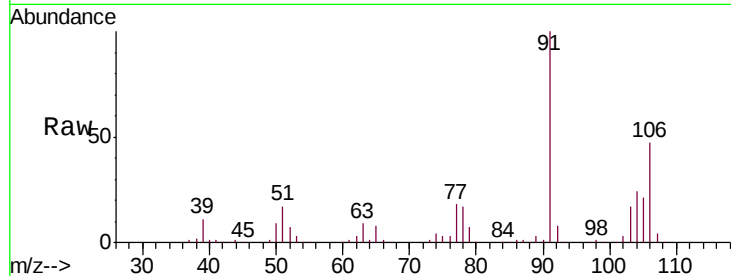




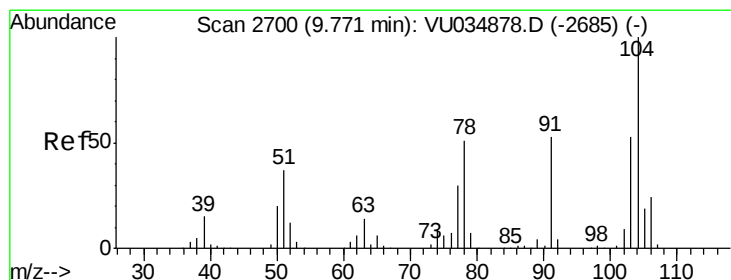
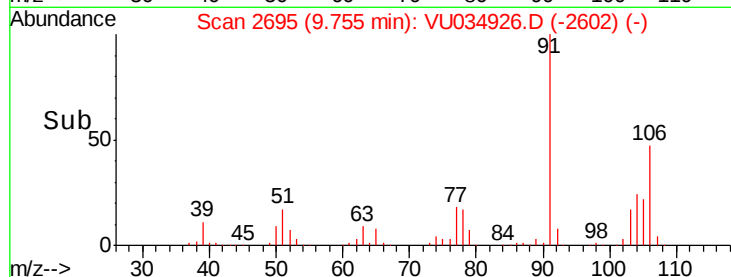
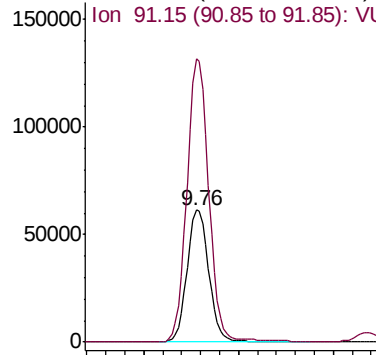
#54
o-Xylene
Concen: 4.854 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tgt Ion:106 Resp: 99061
Ion Ratio Lower Upper
106 100
91 214.2 161.4 299.8

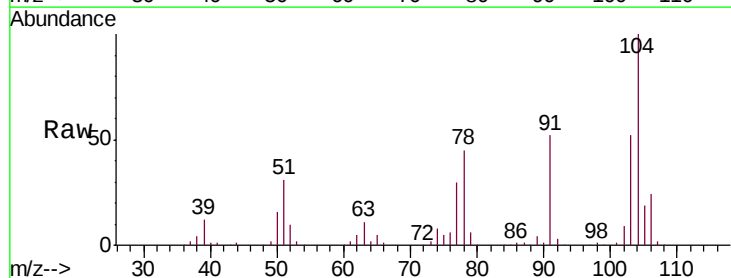


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

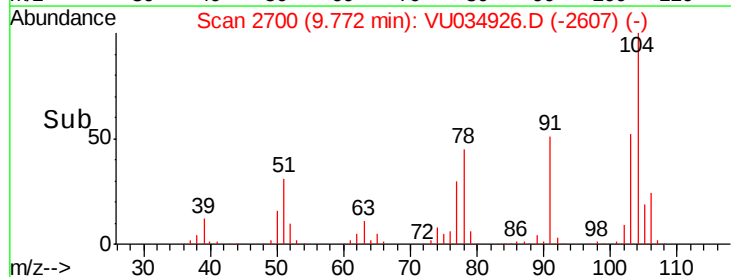
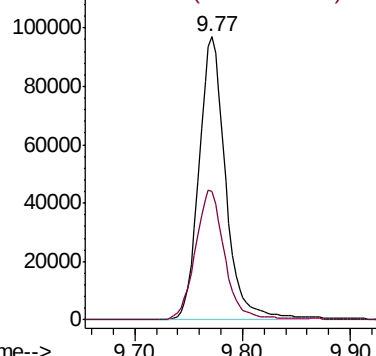


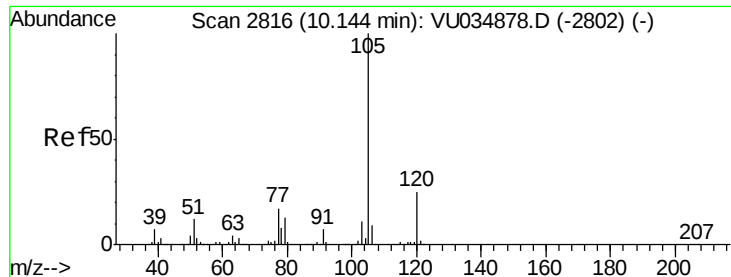
#55
Styrene
Concen: 4.835 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034926.D
Acq: 04 Oct 2019 10:26

Tgt Ion:104 Resp: 167757
Ion Ratio Lower Upper
104 100
78 45.4 35.4 65.7



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





#56

Isopropylbenzene

Concen: 4.694 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

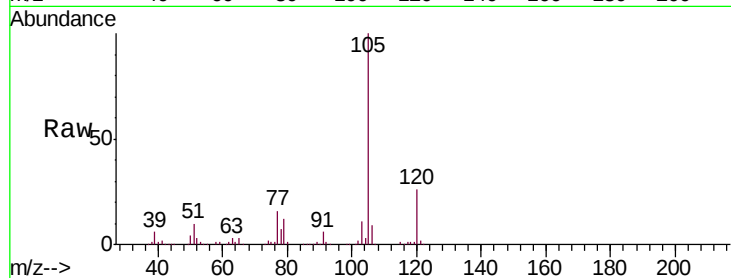
Tgt Ion: 105 Resp: 274538

Ion Ratio Lower Upper

105 100

120 26.1 20.2 30.4

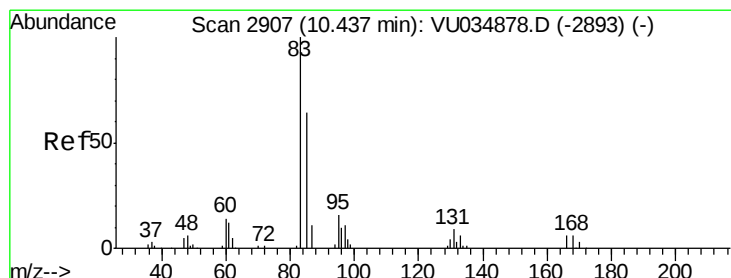
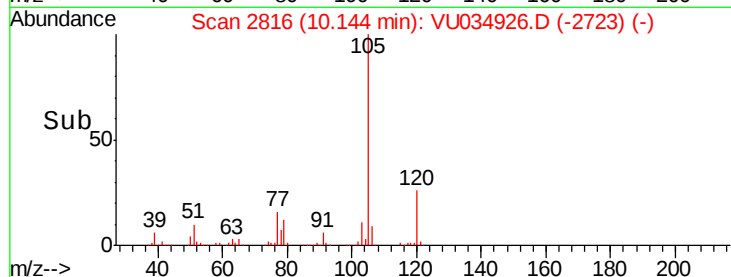
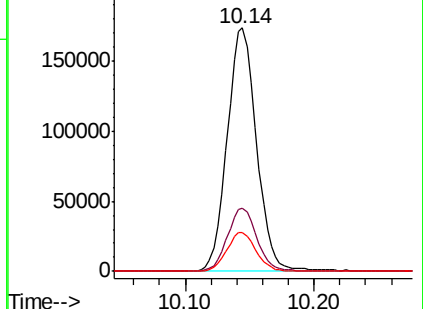
77 16.0 13.8 20.6



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: 4.857 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

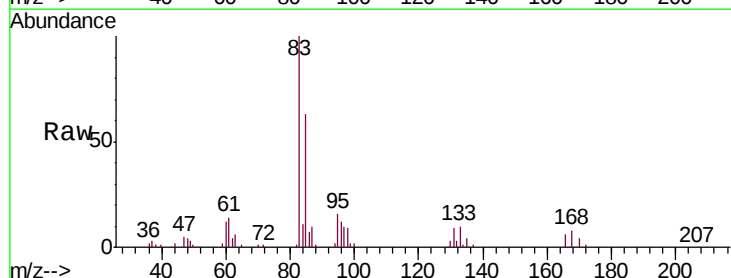
Tgt Ion: 83 Resp: 72932

Ion Ratio Lower Upper

83 100

85 62.6 45.2 84.0

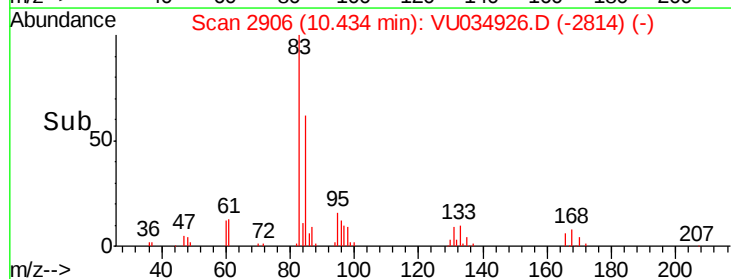
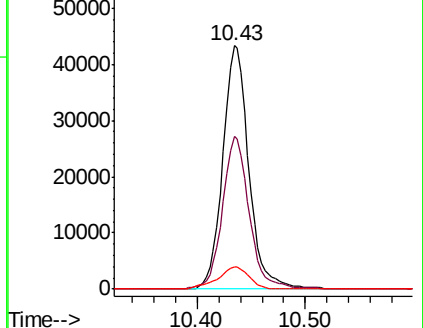
131 9.2 7.6 11.4

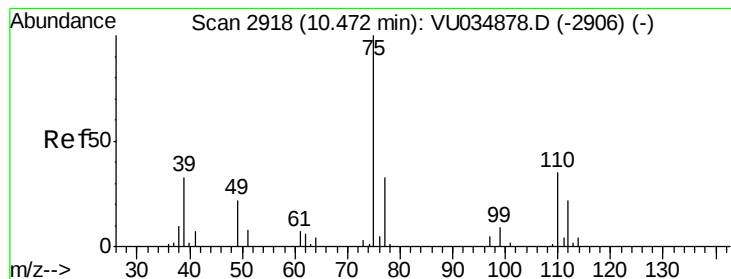


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.647 ug/L

RT: 10.47 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

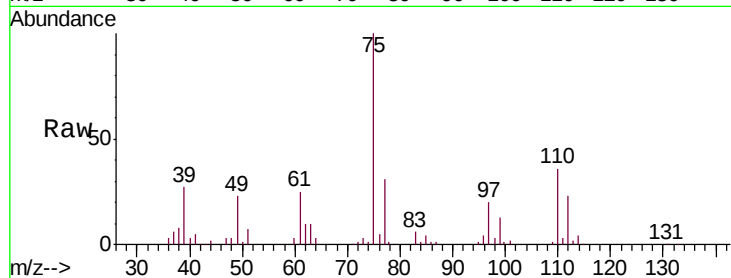
VSTD00526

Tgt Ion: 75 Resp: 48284

Ion Ratio Lower Upper

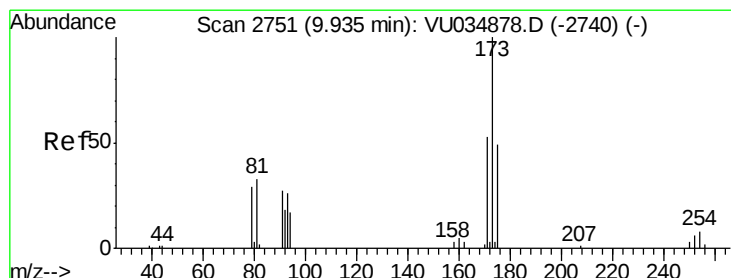
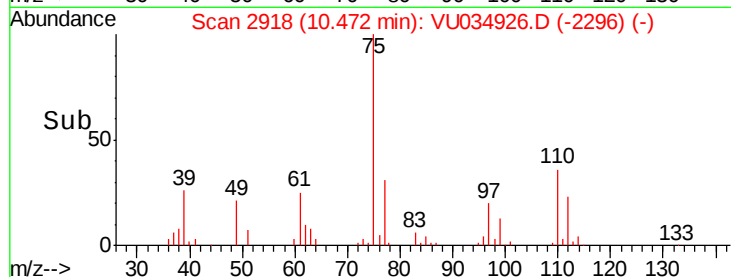
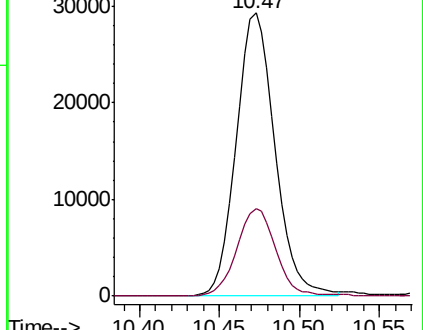
75 100

77 31.0 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU034878.D (-2906) (-)

Ion 77.00 (76.70 to 77.70): VU034878.D (-2906) (-)



#61

Bromoform

Concen: 4.940 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

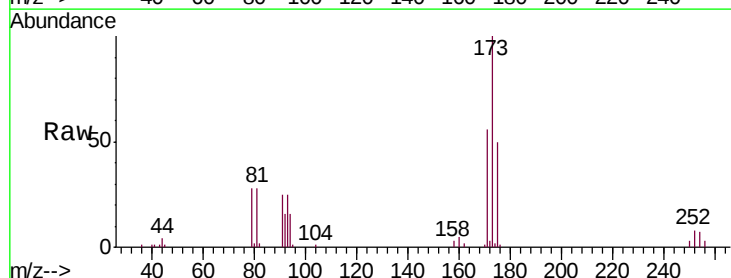
Tgt Ion: 173 Resp: 32364

Ion Ratio Lower Upper

173 100

175 47.4 39.0 58.6

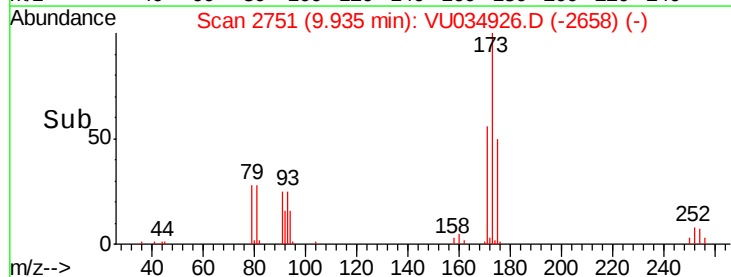
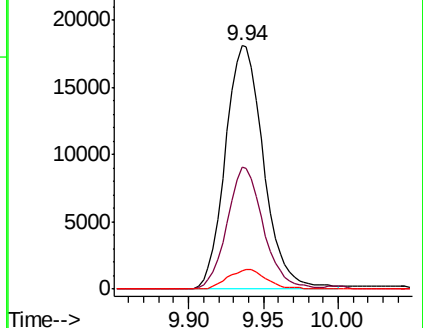
254 8.0 6.1 9.1

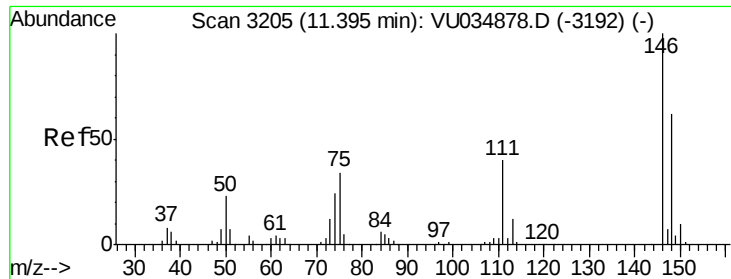


Abundance Ion 172.90 (172.60 to 173.60): VU034878.D (-2740) (-)

Ion 174.90 (174.60 to 175.60): VU034878.D (-2740) (-)

Ion 253.75 (253.45 to 254.45): VU034878.D (-2740) (-)





#62

1,3-Dichlorobenzene

Concen: 4.953 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampled :

VSTD00526

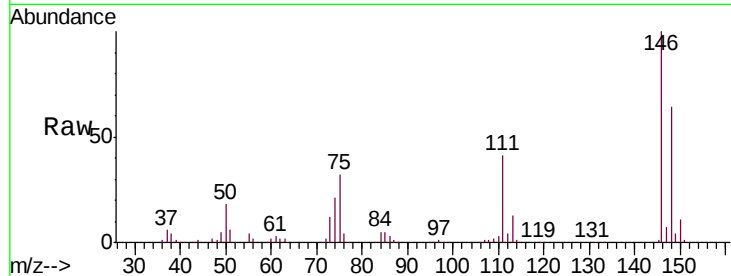
Tgt Ion:146 Resp: 134893

Ion Ratio Lower Upper

146 100

111 40.8 27.7 51.5

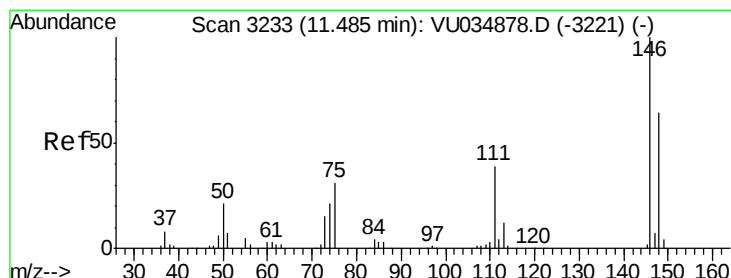
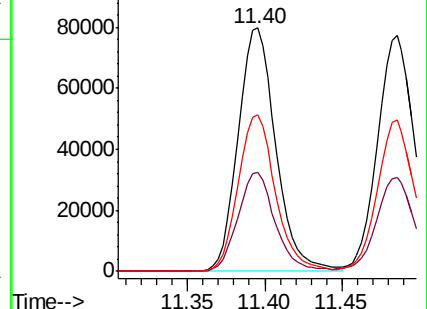
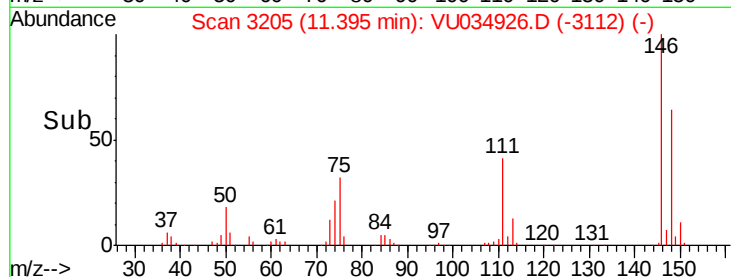
148 64.2 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.766 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

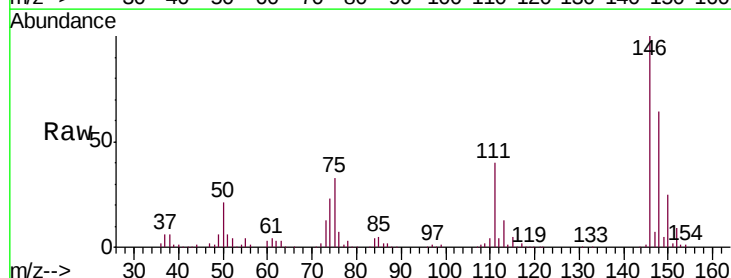
Tgt Ion:146 Resp: 133381

Ion Ratio Lower Upper

146 100

111 39.7 27.4 50.8

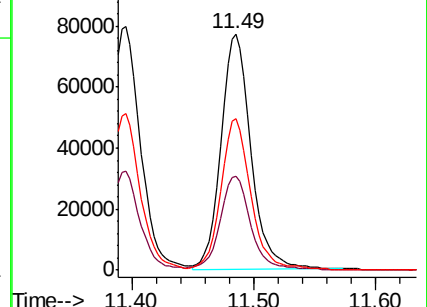
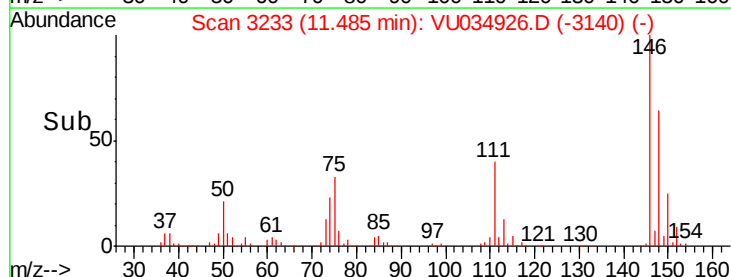
148 64.4 44.6 82.8

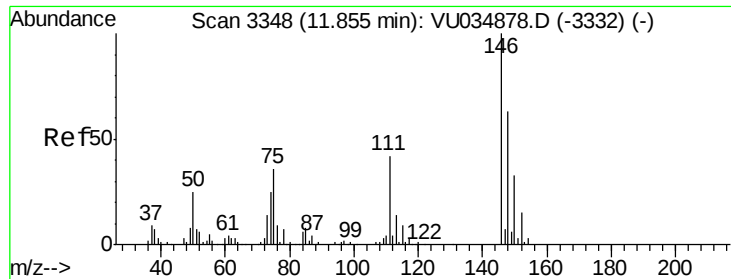


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.915 ug/L

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

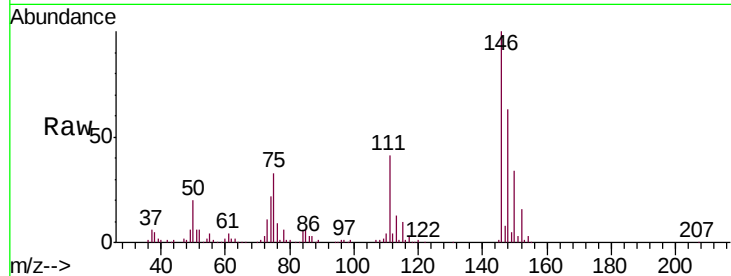
Tgt Ion:146 Resp: 137325

Ion Ratio Lower Upper

146 100

111 41.4 33.4 50.2

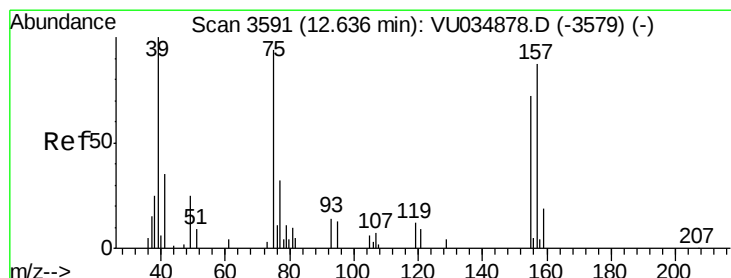
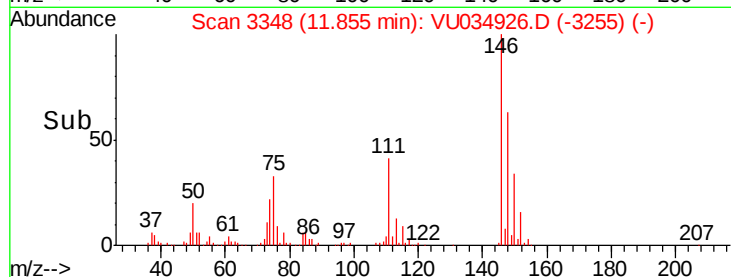
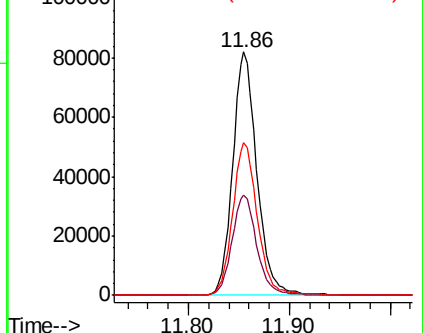
148 62.9 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.899 ug/L

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

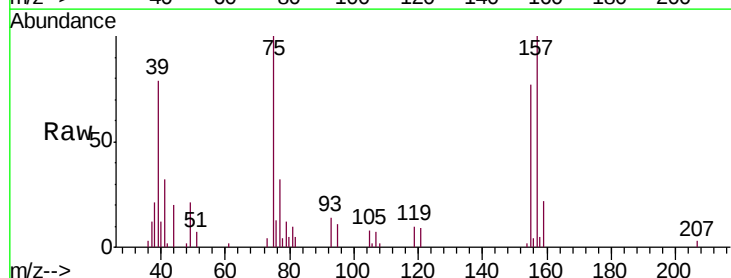
Tgt Ion: 75 Resp: 10288

Ion Ratio Lower Upper

75 100

155 77.1 61.1 91.7

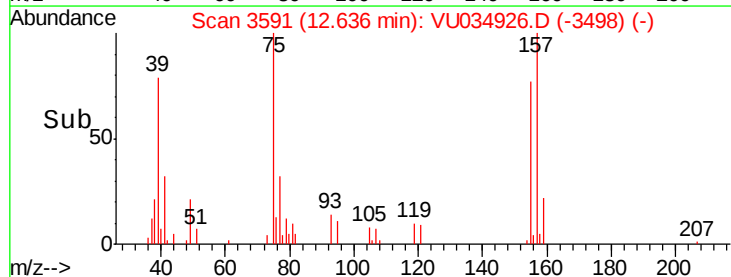
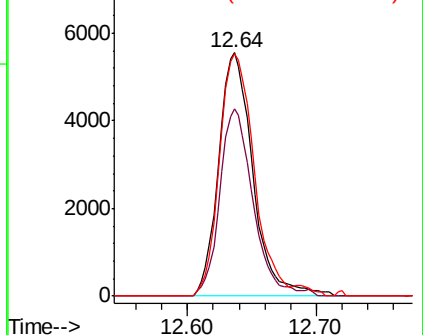
157 99.7 73.8 110.8

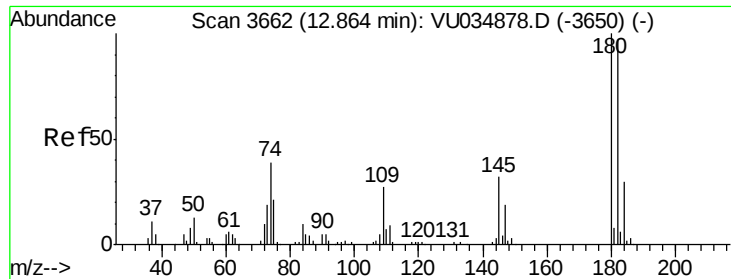


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

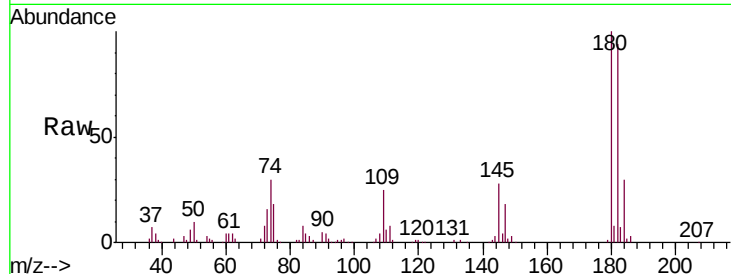




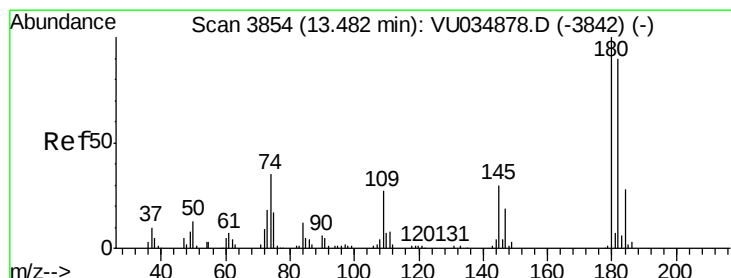
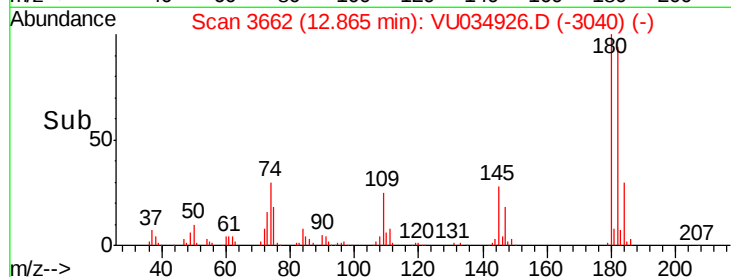
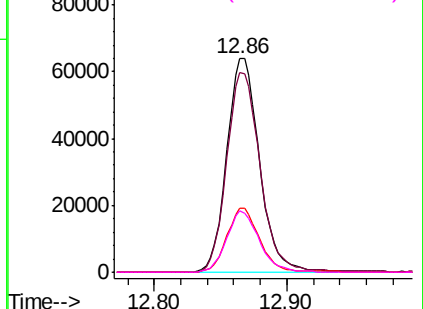
#67
 1,3,5-Trichlorobenzene
 Concen: 5.495 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034926.D
 Acq: 04 Oct 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.4
184	29.7	24.4	36.6
145	28.4	25.0	37.6

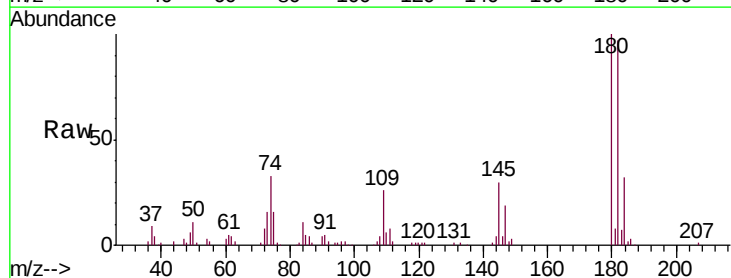


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

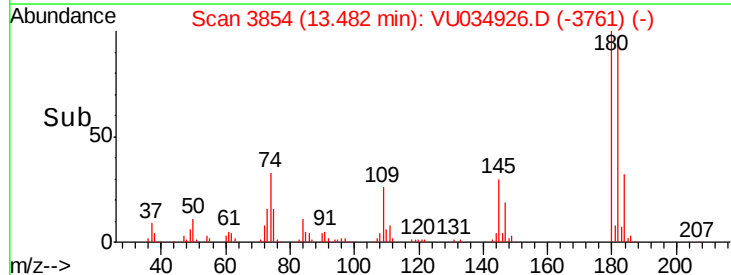
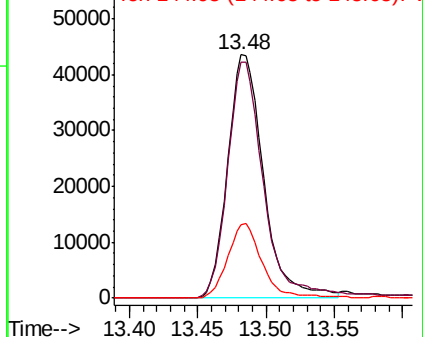


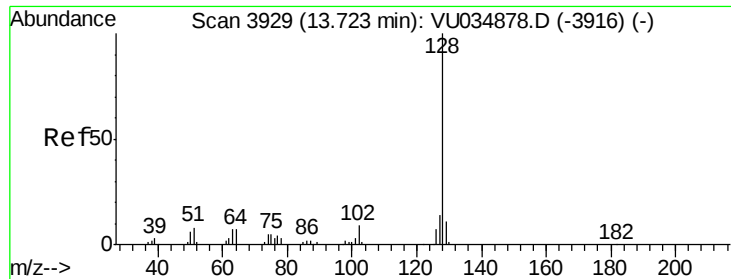
#68
 1,2,4-trichlorobenzene
 Concen: 5.590 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034926.D
 Acq: 04 Oct 2019 10:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	74.3	111.5
145	29.6	24.0	36.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.860 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

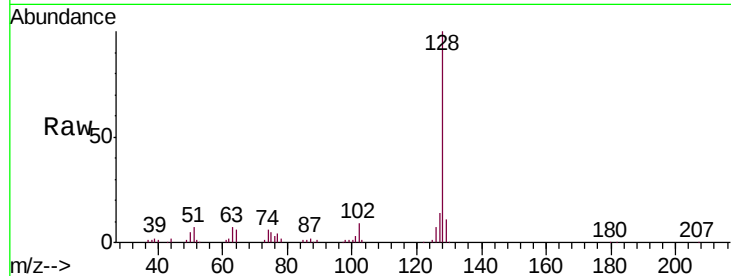
Tgt Ion:128 Resp: 116446

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

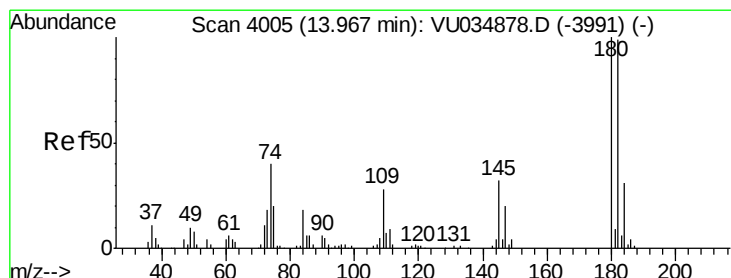
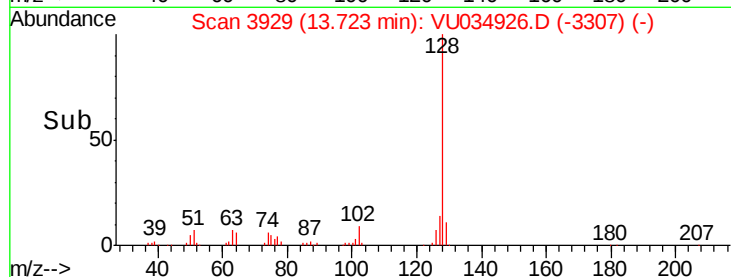
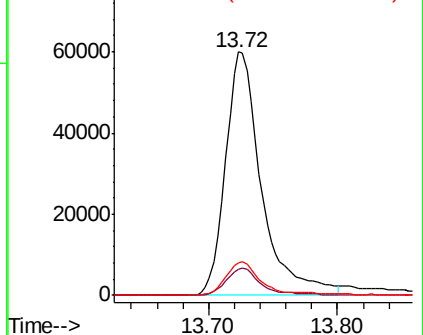
127 13.0 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.548 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034926.D

Acq: 04 Oct 2019 10:26

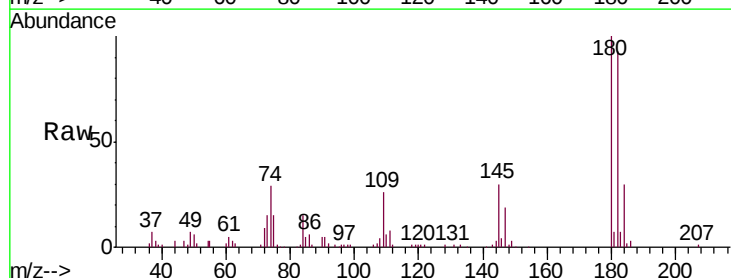
Tgt Ion:180 Resp: 79469

Ion Ratio Lower Upper

180 100

182 97.1 78.2 117.2

145 31.0 25.4 38.0



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

