

Data File : VU034874.D
Acq On : 27 Sep 2019 18:24
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Quant Time: Sep 28 00:32:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 28 00:27:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	73995	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	70109	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	36286	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	31165	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.67	69	25670	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.26	63	56184	5.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.20%
20) 2-Butanone-d5	4.17	46	82681	57.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.26%
24) Chloroform-d	4.62	84	40707	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.29	65	24794	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.32	84	93264	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.31	67	31755	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.54	98	91849	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	7.83	79	11054	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.29	63	59337	52.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.68%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	24337	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	32760	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	26830	4.788 ug/L	98
3) Chloromethane	1.32	50	28634	5.419 ug/L	99
5) Vinyl chloride	1.40	62	28835	5.210 ug/L	99
6) Bromomethane	1.62	94	16005	5.800 ug/L	95
8) Chloroethane	1.69	64	16883	5.232 ug/L	95
9) Trichlorofluoromethane	1.87	101	40410	5.508 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	23299	5.653 ug/L #	87
12) 1,1-Dichloroethene	2.27	96	19195	5.259 ug/L	85
13) Acetone	2.31	43	63199	56.517 ug/L	97
14) Carbon disulfide	2.46	76	45350	4.847 ug/L	100
15) Methyl Acetate	2.60	43	15159	5.554 ug/L	95
16) Methylene chloride	2.68	84	26567	5.472 ug/L	98
17) Methyl tert-butyl Ether	2.98	73	68960	5.396 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	22049	5.814 ug/L	94
19) 1,1-Dichloroethane	3.42	63	45930	4.961 ug/L	99
21) 2-Butanone	4.26	43	90307	56.098 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	23922	4.716 ug/L	99

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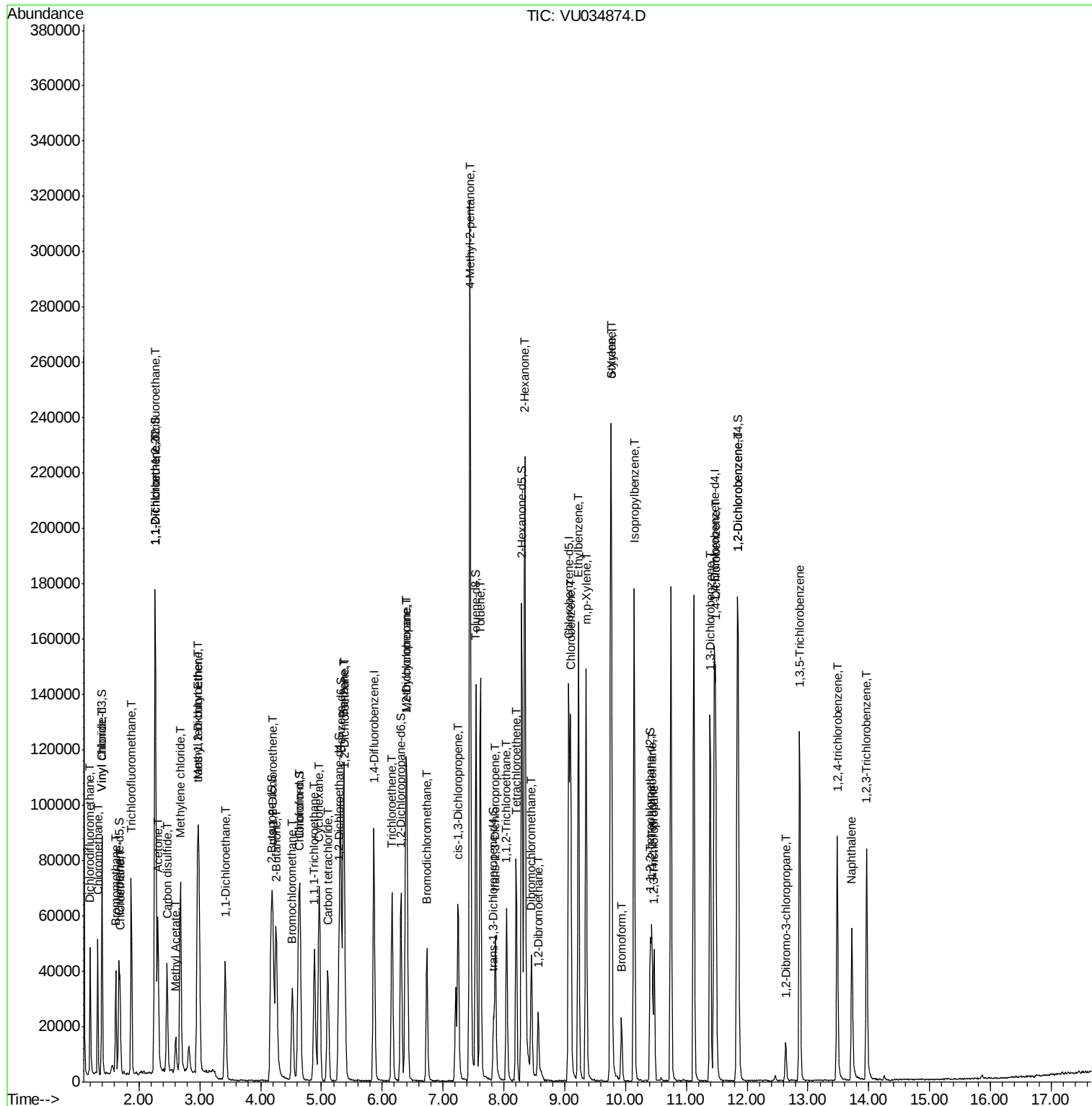
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	9956	5.325	ug/L	94
25) Chloroform	4.65	83	50694	4.896	ug/L	93
27) 1,2-Dichloroethane	5.39	62	28409	4.768	ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	33285	4.503	ug/L	95
30) Cyclohexane	4.96	56	37231	4.792	ug/L	96
31) Carbon tetrachloride	5.11	117	27818	4.625	ug/L	97
33) Benzene	5.36	78	93108	4.912	ug/L	100
34) Trichloroethene	6.16	95	23223	4.915	ug/L	96
35) Methylcyclohexane	6.39	83	34644	4.539	ug/L	99
37) 1,2-Dichloropropane	6.41	63	28251	4.827	ug/L	100
38) Bromodichloromethane	6.74	83	30177	4.309	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	35869	4.353	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	230186	52.182	ug/L	98
42) Toluene	7.61	91	101386	4.949	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	28496	4.263	ug/L	98
45) 1,1,2-Trichloroethane	8.04	97	18473	4.963	ug/L	98
47) Tetrachloroethene	8.20	164	16266	5.678	ug/L	88
48) 2-Hexanone	8.34	43	159505	53.802	ug/L	95
49) Dibromochloromethane	8.46	129	19714	4.515	ug/L	93
50) 1,2-Dibromoethane	8.57	107	16087	4.740	ug/L	97
51) Chlorobenzene	9.10	112	65040	5.065	ug/L	98
52) Ethylbenzene	9.23	91	112751	4.761	ug/L	97
53) m,p-Xylene	9.35	106	40312	4.800	ug/L	95
54) o-Xylene	9.76	106	41897	4.965	ug/L	99
55) Styrene	9.77	104	68908	4.917	ug/L	94
56) Isopropylbenzene	10.14	105	110741	4.724	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	25939	4.720	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	17719	4.634	ug/L	97
61) Bromoform	9.94	173	9712	4.052	ug/L #	95
62) 1,3-Dichlorobenzene	11.39	146	51057	4.793	ug/L	92
63) 1,4-Dichlorobenzene	11.49	146	51693	4.861	ug/L	95
65) 1,2-Dichlorobenzene	11.85	146	51019	4.893	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.63	75	3452	3.656	ug/L #	77
67) 1,3,5-Trichlorobenzene	12.86	180	36140	5.191	ug/L	96
68) 1,2,4-trichlorobenzene	13.48	180	26799	4.827	ug/L	95
69) Naphthalene	13.72	128	48031	3.553	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	26491	5.094	ug/L	97

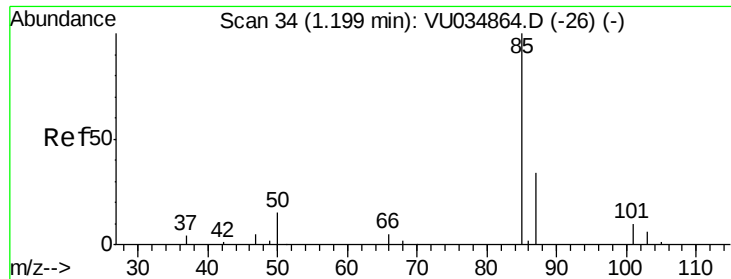
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.788 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

Instrument :

MSVOA_U

ClientSampleId :

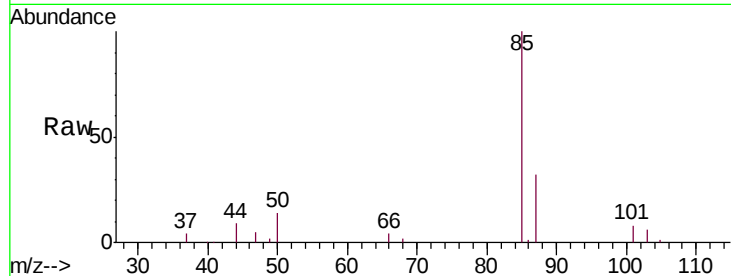
VSTD00525

Tgt Ion: 85 Resp: 26830

Ion Ratio Lower Upper

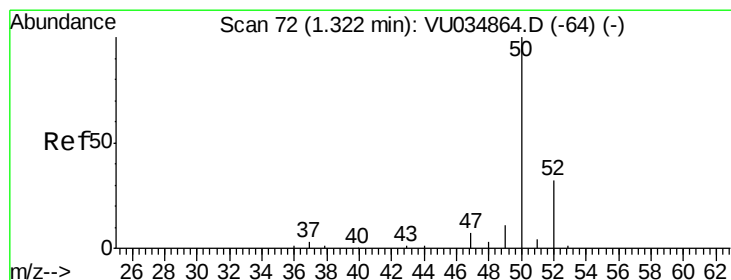
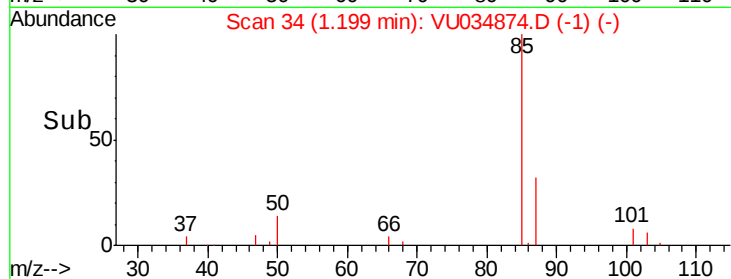
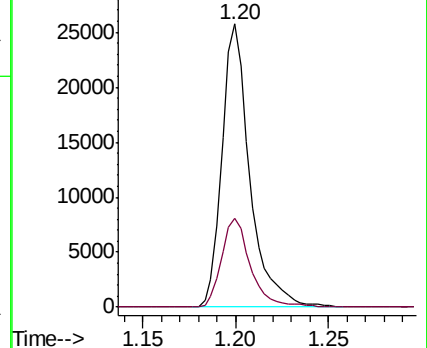
85 100

87 32.3 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VU034874.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034874.D (-1) (-)



#3

Chloromethane

Concen: 5.419 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034874.D

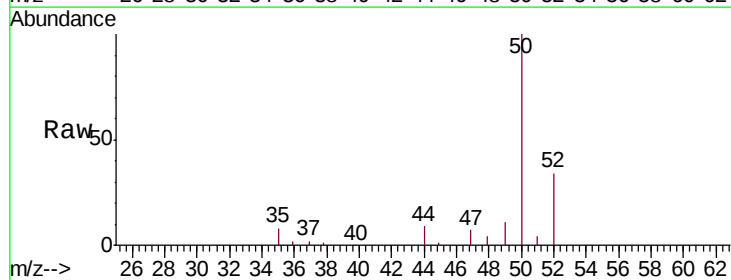
Acq: 27 Sep 2019 18:24

Tgt Ion: 50 Resp: 28634

Ion Ratio Lower Upper

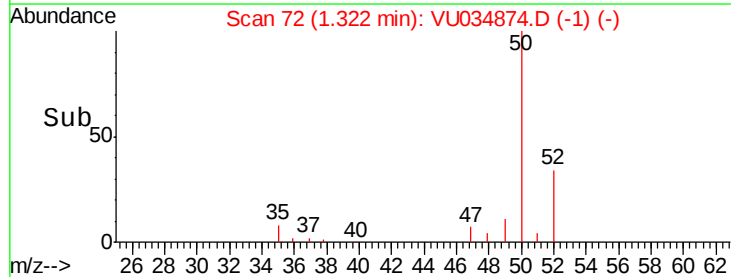
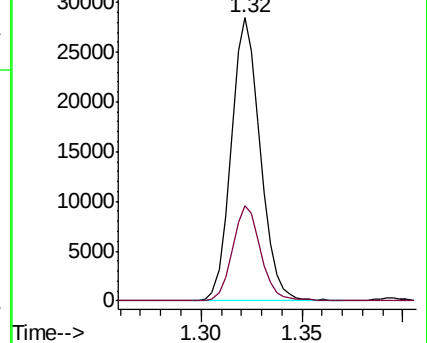
50 100

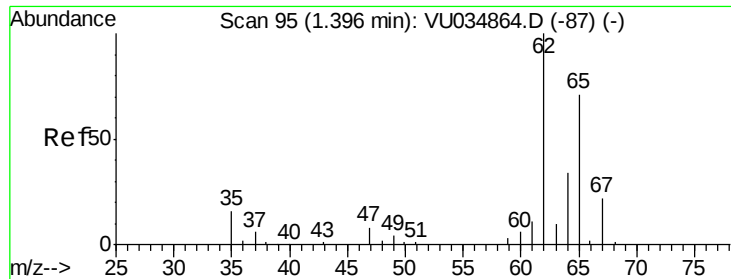
52 33.6 23.9 44.3



Abundance Ion 50.05 (49.75 to 50.75): VU034874.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU034874.D (-1) (-)





#5

Vinyl chloride

Concen: 5.210 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

Instrument :

MSVOA_U

ClientSampleId :

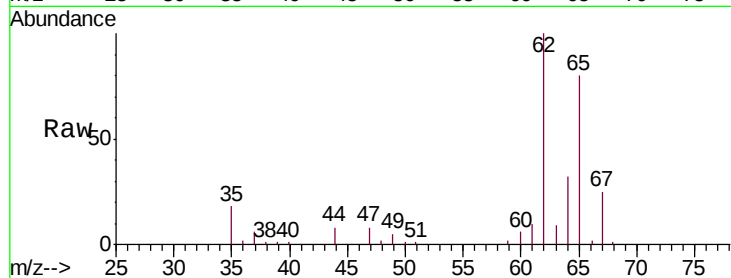
VSTD00525

Tgt Ion: 62 Resp: 28835

Ion Ratio Lower Upper

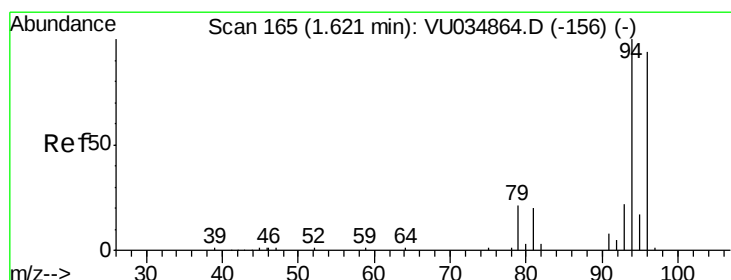
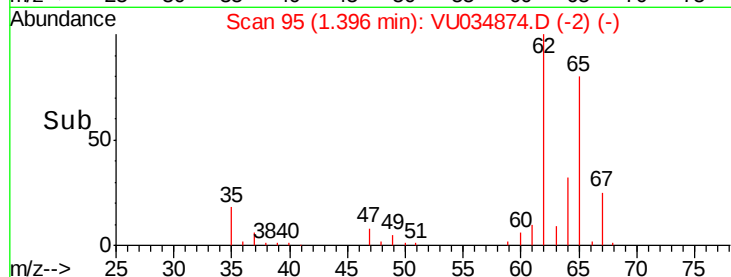
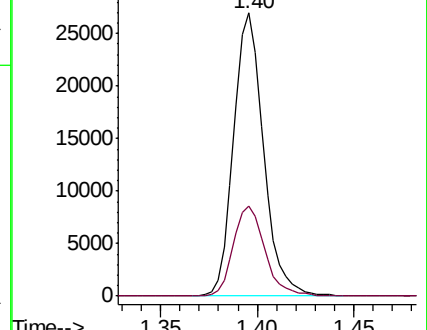
62 100

64 31.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU034874.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU034874.D (-87) (-)



#6

Bromomethane

Concen: 5.800 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU034874.D

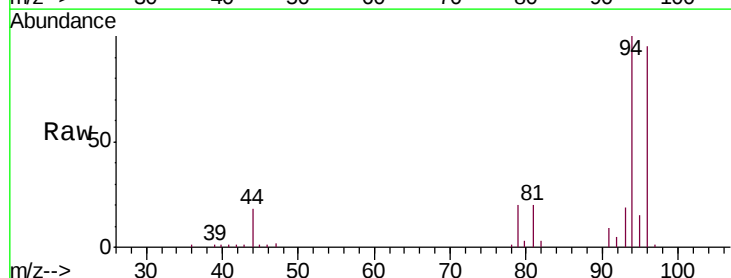
Acq: 27 Sep 2019 18:24

Tgt Ion: 94 Resp: 16005

Ion Ratio Lower Upper

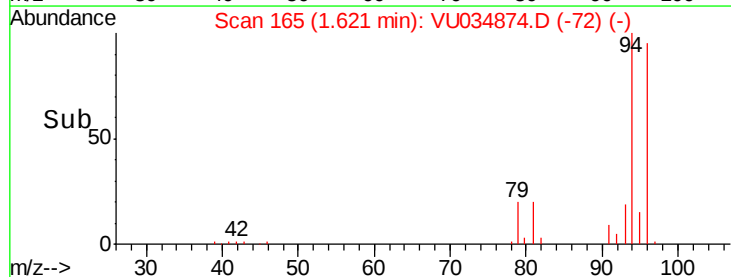
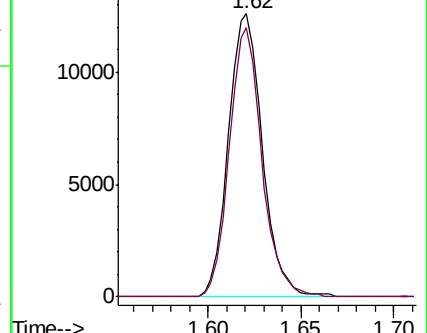
94 100

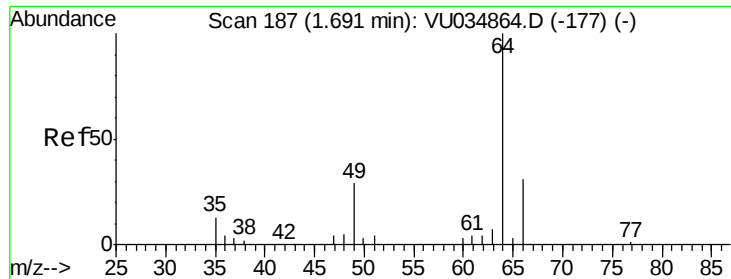
96 95.2 70.4 130.8



Abundance Ion 94.00 (93.70 to 94.70): VU034874.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU034874.D (-156) (-)





#8

Chloroethane

Concen: 5.232 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

Instrument :

MSVOA_U

ClientSampleId :

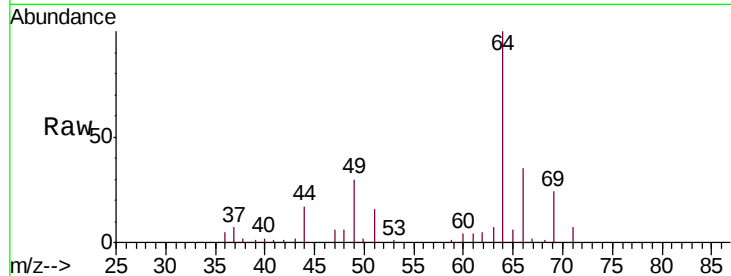
VSTD00525

Tgt Ion: 64 Resp: 16883

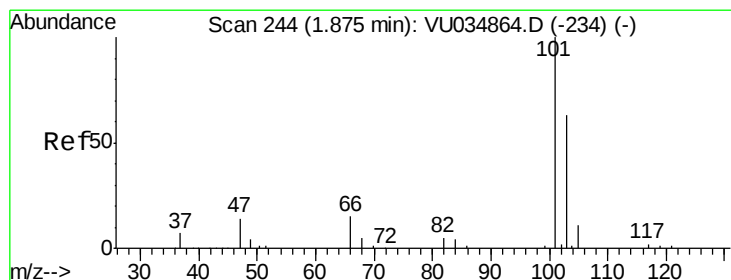
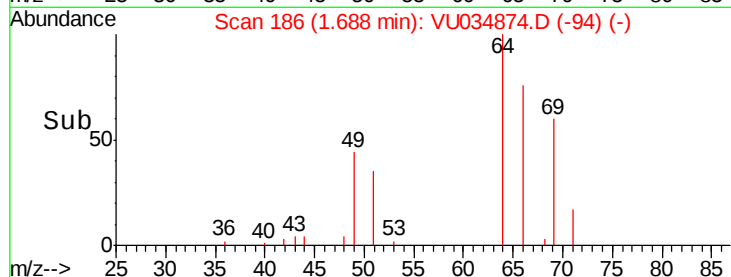
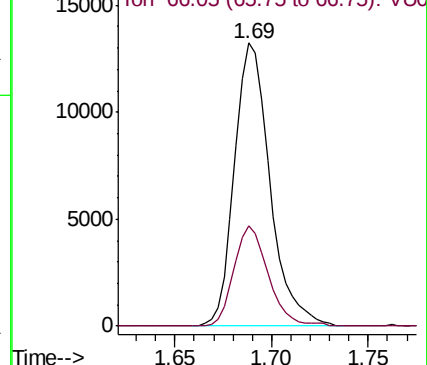
Ion Ratio Lower Upper

64 100

66 35.2 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU034874.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.508 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU034874.D

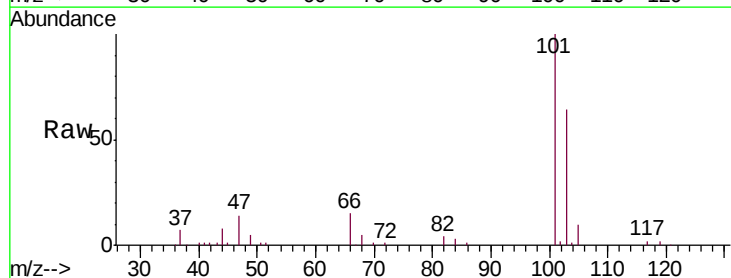
Acq: 27 Sep 2019 18:24

Tgt Ion: 101 Resp: 40410

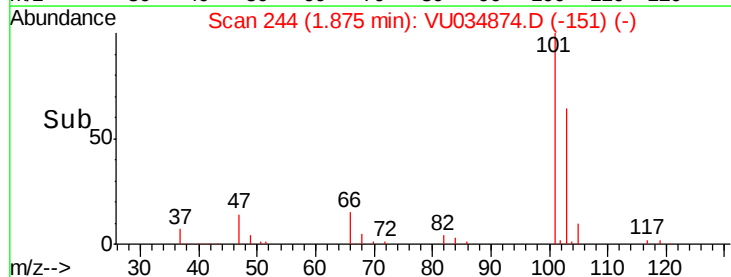
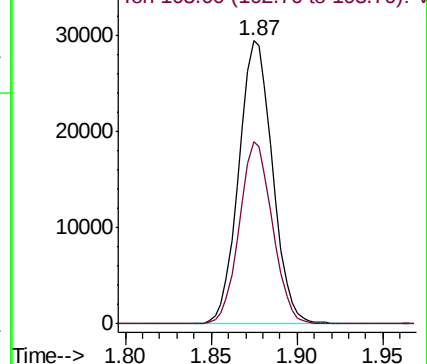
Ion Ratio Lower Upper

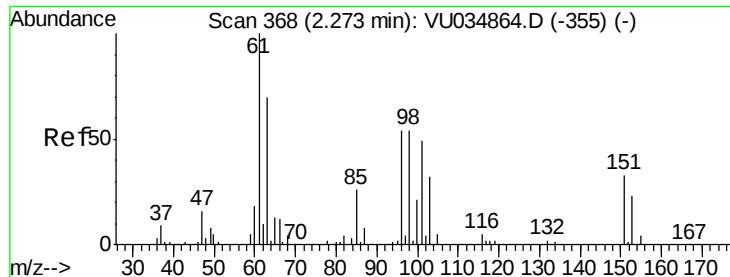
101 100

103 62.8 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VU034874.D (-234) (-)





#10

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

Concen: 5.653 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034874.D

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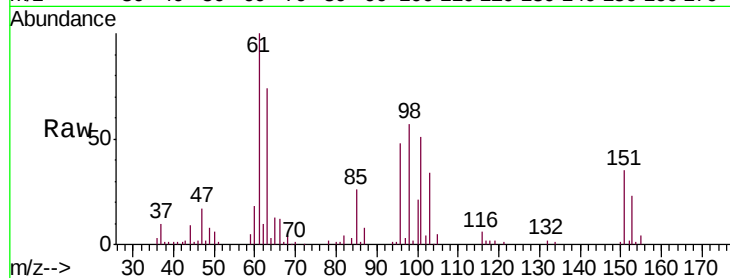
Tgt Ion:101 Resp: 23299

Ion Ratio Lower Upper

101 100

85 47.0 41.9 62.9

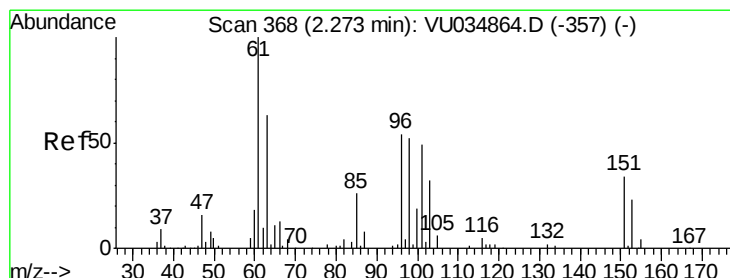
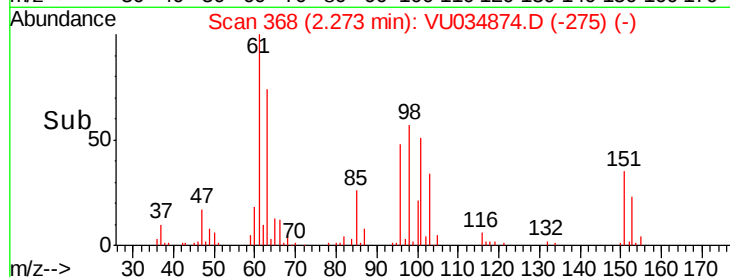
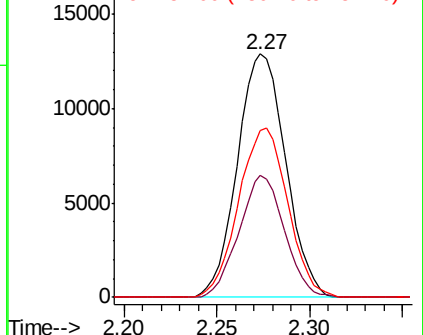
151 70.7 46.4 69.6#



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: 5.259 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

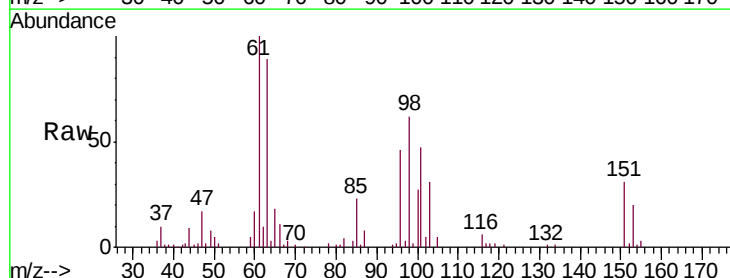
Tgt Ion: 96 Resp: 19195

Ion Ratio Lower Upper

96 100

61 216.7 144.4 268.2

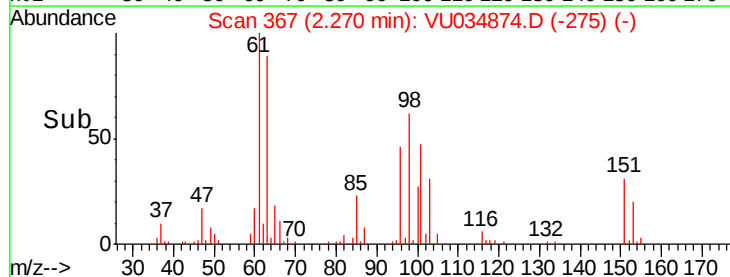
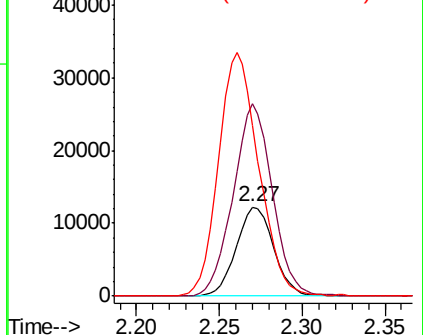
63 192.5 111.5 207.1

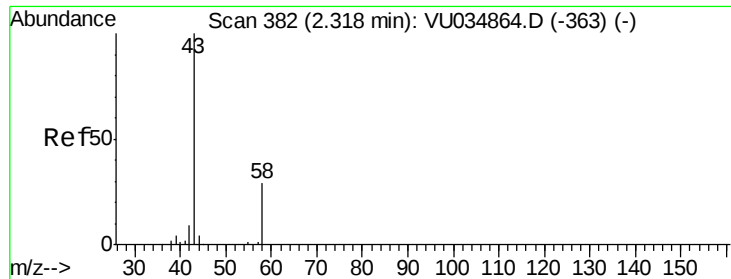


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.517 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

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ClientSampleId :

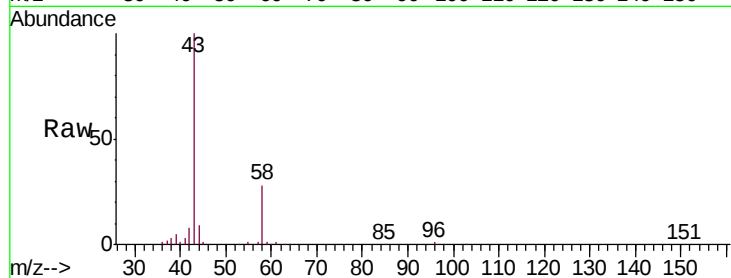
VSTD00525

Tgt Ion: 43 Resp: 63199

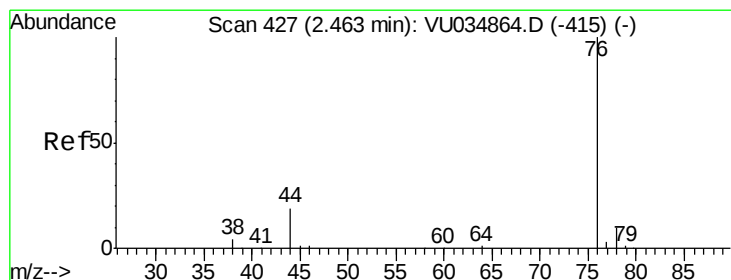
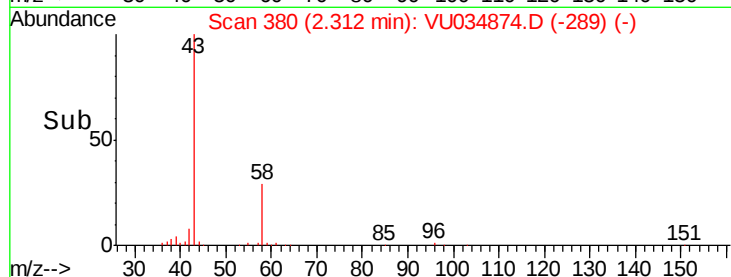
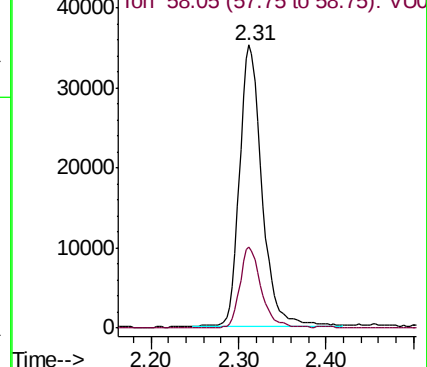
Ion Ratio Lower Upper

43 100

58 27.3 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU034874.D (-363) (-)



#14

Carbon disulfide

Concen: 4.847 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034874.D

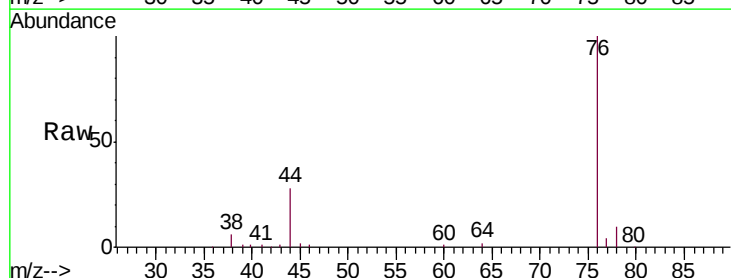
Acq: 27 Sep 2019 18:24

Tgt Ion: 76 Resp: 45350

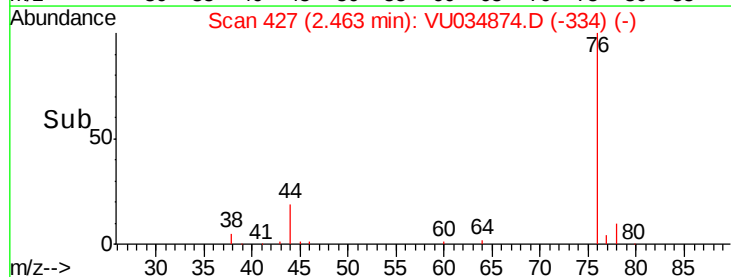
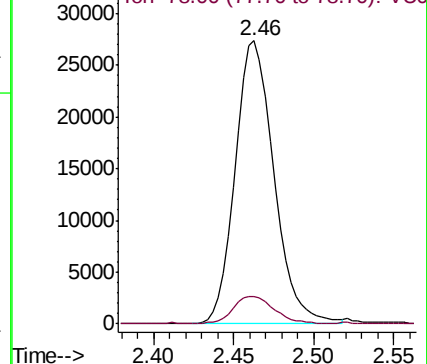
Ion Ratio Lower Upper

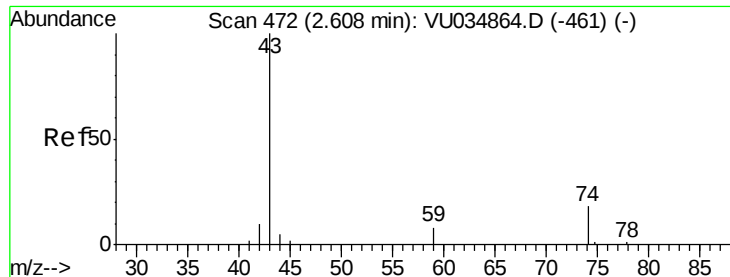
76 100

78 9.5 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU034874.D (-415) (-)

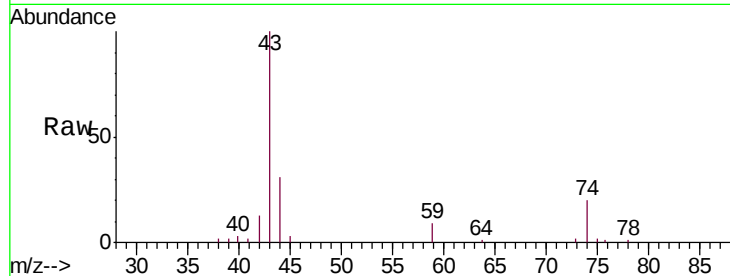




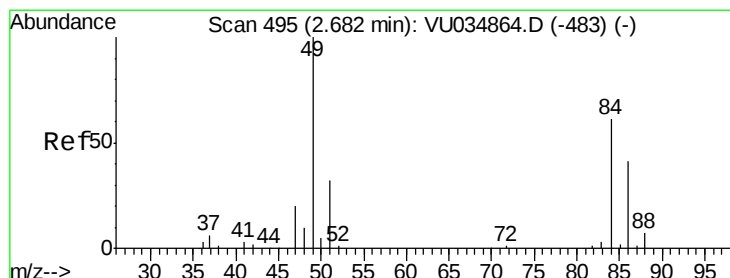
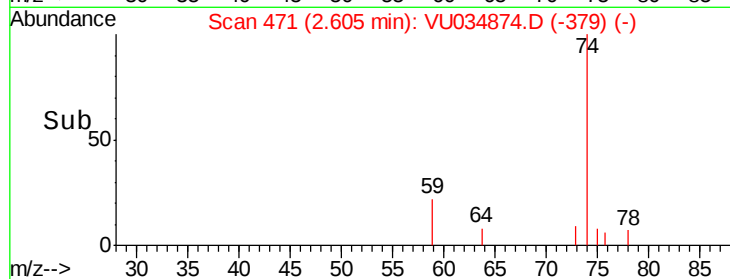
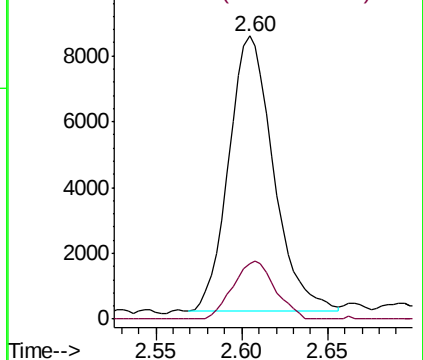
#15
Methyl Acetate
Concen: 5.554 ug/L
RT: 2.60 min Scan# 471
Delta R.T. -0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion: 43 Resp: 15159
Ion Ratio Lower Upper
43 100
74 19.7 14.2 21.2

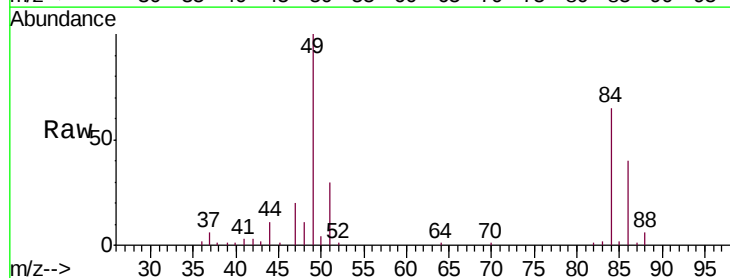


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 74.05 (73.75 to 74.75): VU0

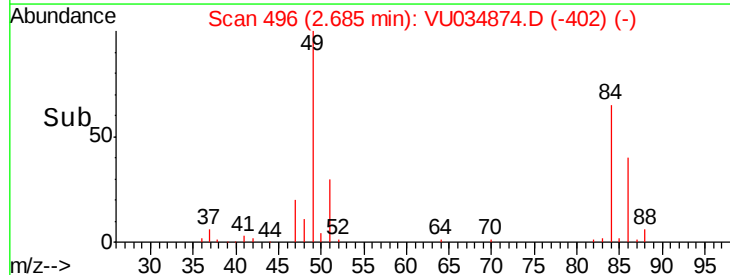
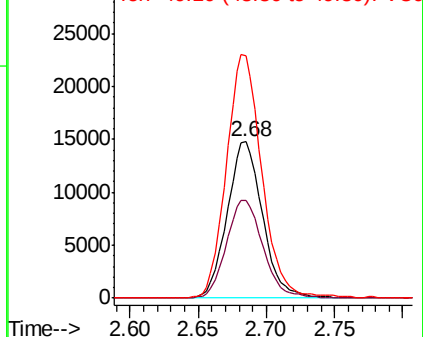


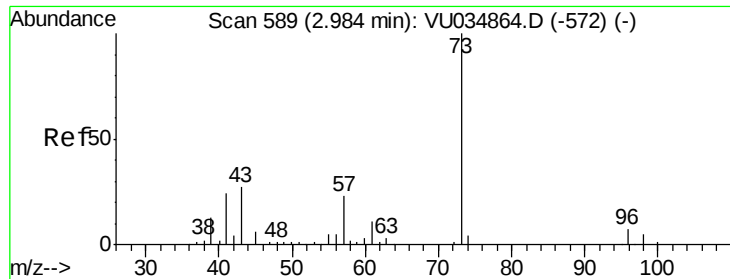
#16
Methylene chloride
Concen: 5.472 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

Tgt Ion: 84 Resp: 26567
Ion Ratio Lower Upper
84 100
86 62.4 43.0 80.0
49 154.9 110.9 205.9



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

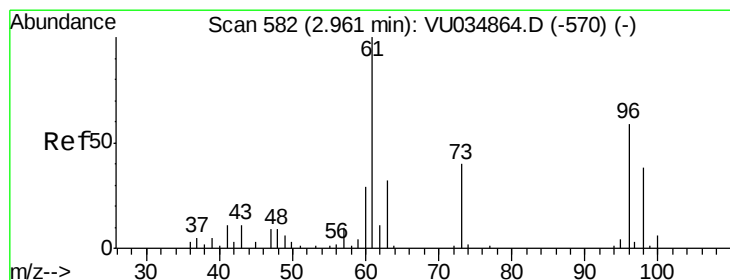
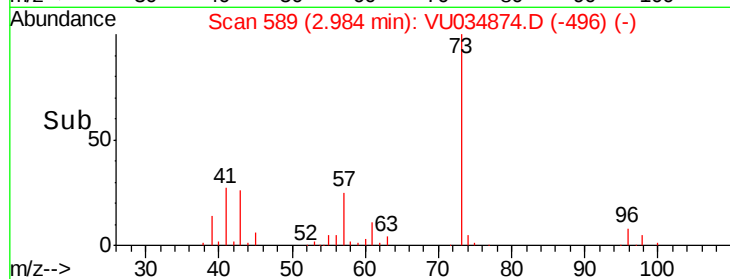
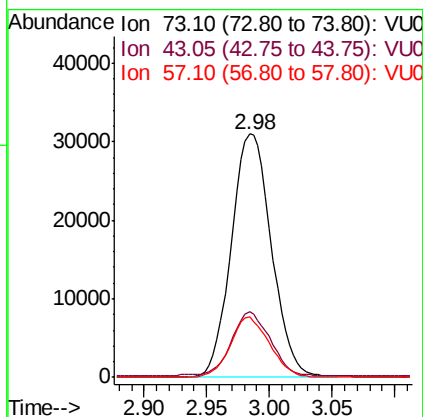
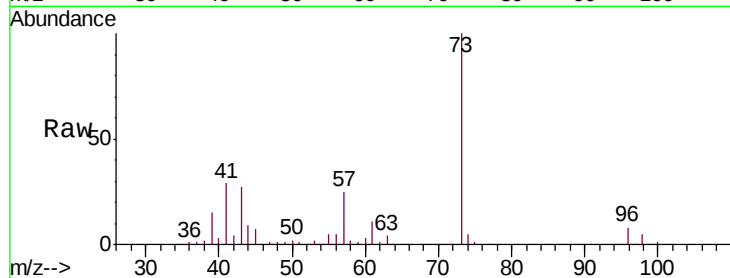




#17
Methyl tert-butyl Ether
Concen: 5.396 ug/L
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

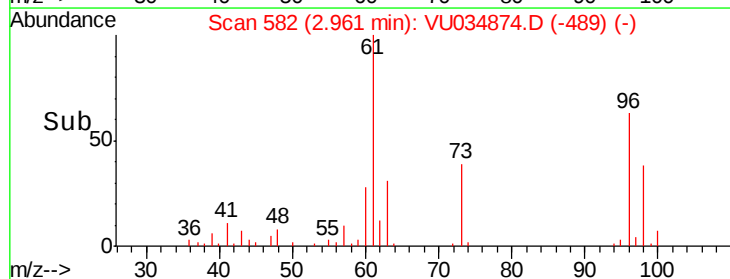
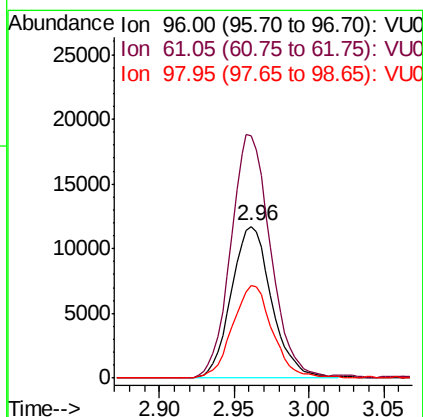
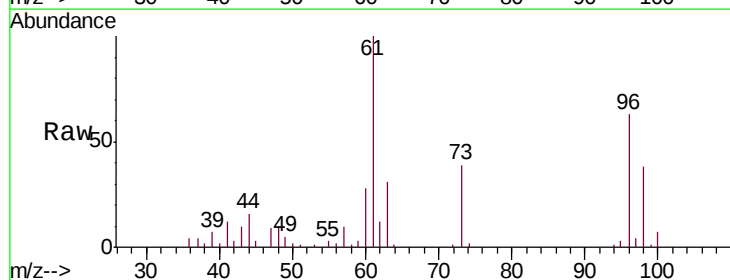
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

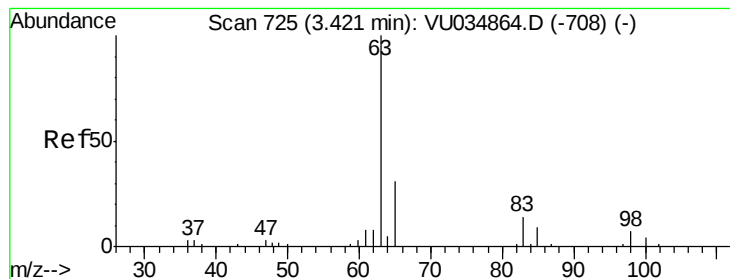
Tgt Ion: 73 Resp: 68960
Ion Ratio Lower Upper
73 100
43 25.5 20.3 30.5
57 24.0 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.814 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

Tgt Ion: 96 Resp: 22049
Ion Ratio Lower Upper
96 100
61 159.5 118.2 219.6
98 60.7 44.8 83.2





#19

1,1-Dichloroethane

Concen: 4.961 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

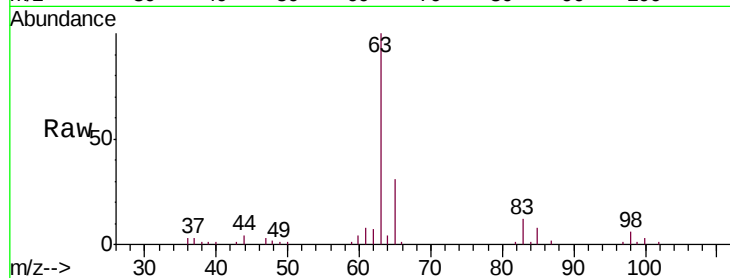
Tgt Ion: 63 Resp: 45930

Ion Ratio Lower Upper

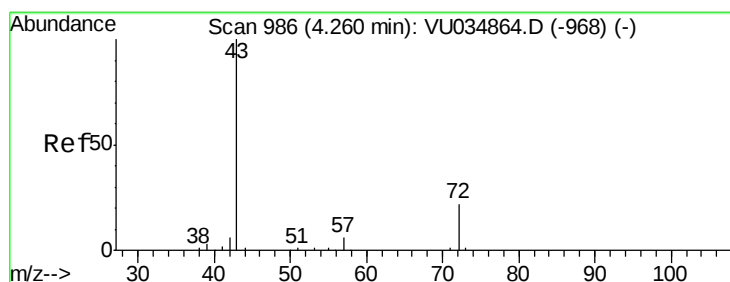
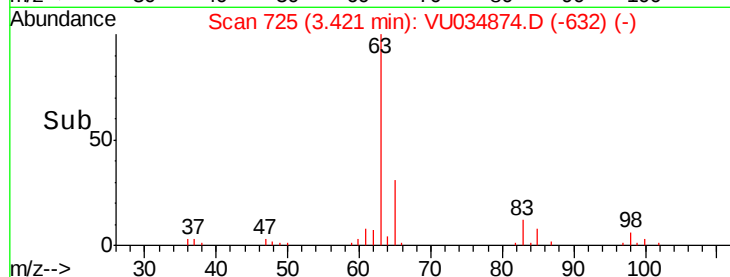
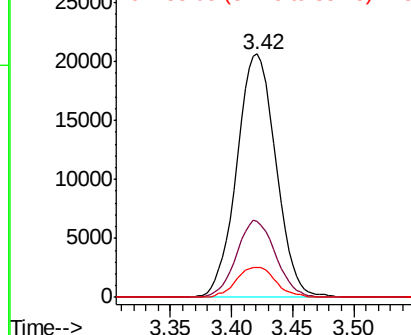
63 100

65 31.2 21.9 40.7

83 12.4 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 56.098 ug/L

RT: 4.26 min Scan# 985

Delta R.T. -0.00 min

Lab File: VU034874.D

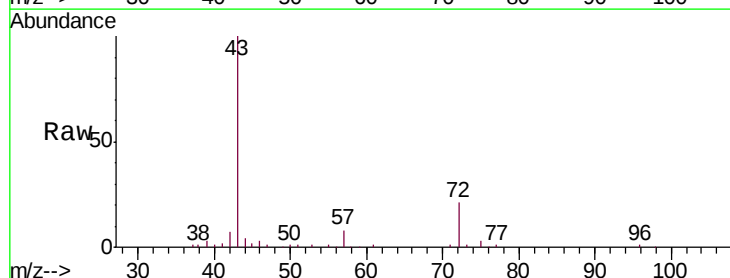
Acq: 27 Sep 2019 18:24

Tgt Ion: 43 Resp: 90307

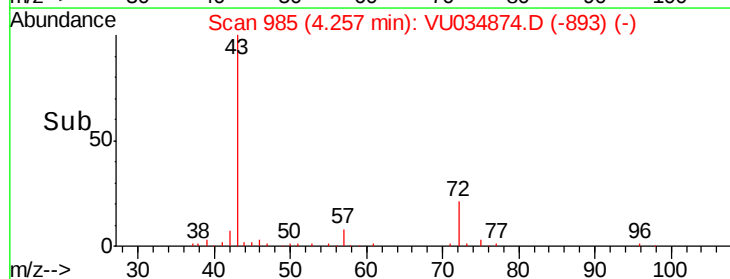
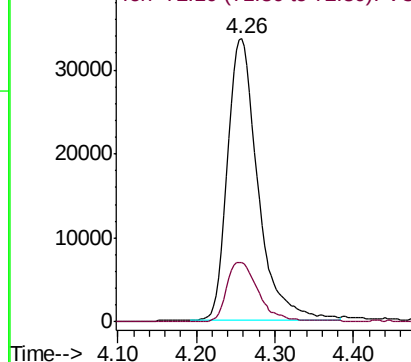
Ion Ratio Lower Upper

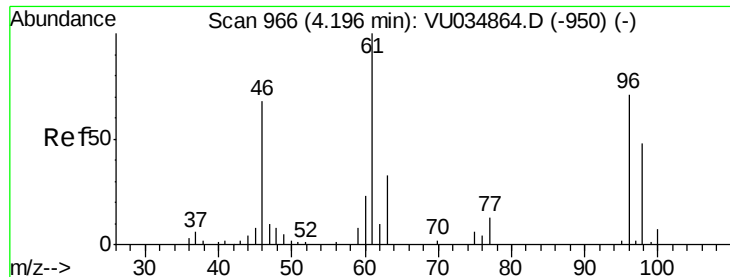
43 100

72 22.1 10.8 32.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0



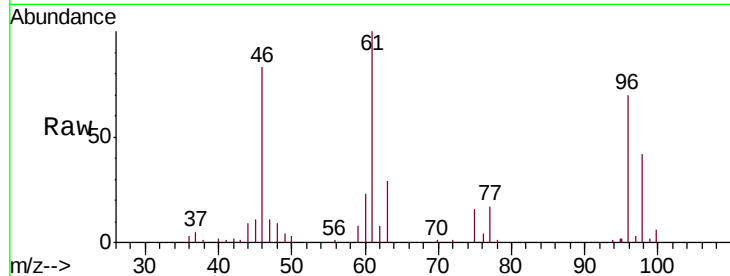


#22

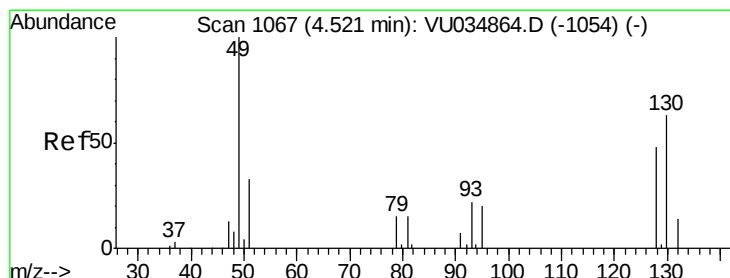
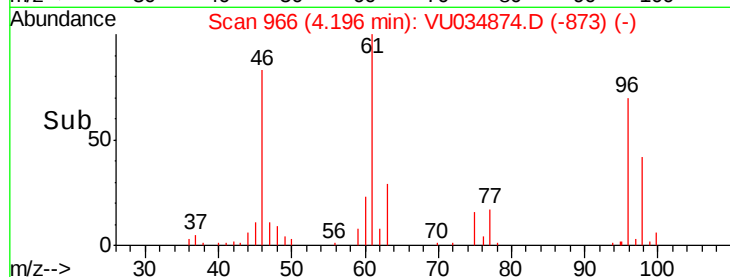
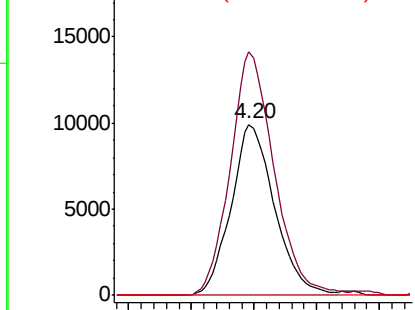
cis-1,2-Dichloroethene
Concen: 4.716 ug/L
RT: 4.20 min Scan# 966
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion: 96 Resp: 23922
Ion Ratio Lower Upper
96 100
61 142.2 100.0 185.8
68 0.0 0.0 0.0



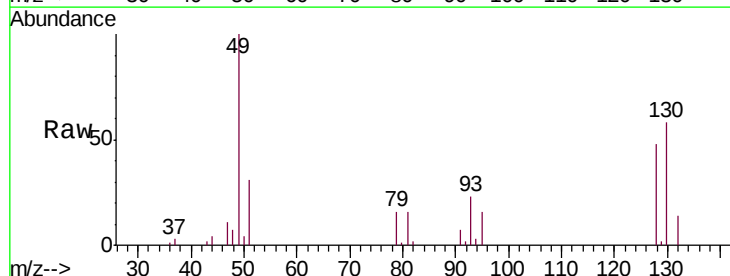
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



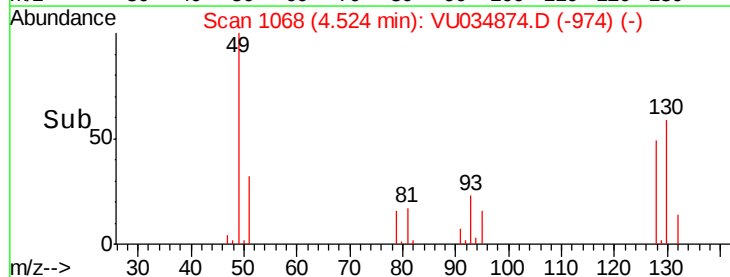
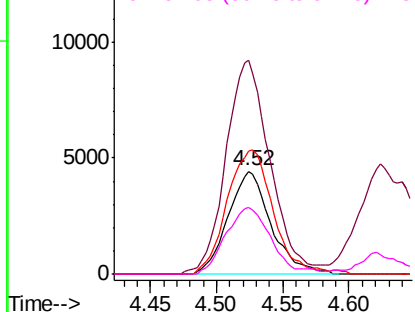
#23

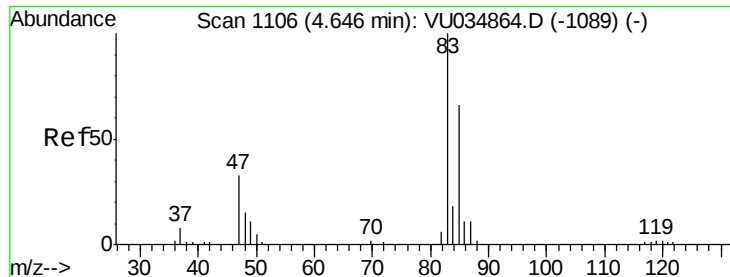
Bromochloromethane
Concen: 5.325 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

Tgt Ion: 128 Resp: 9956
Ion Ratio Lower Upper
128 100
49 208.2 149.9 278.3
130 119.7 91.3 169.6
51 65.1 55.7 83.5



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

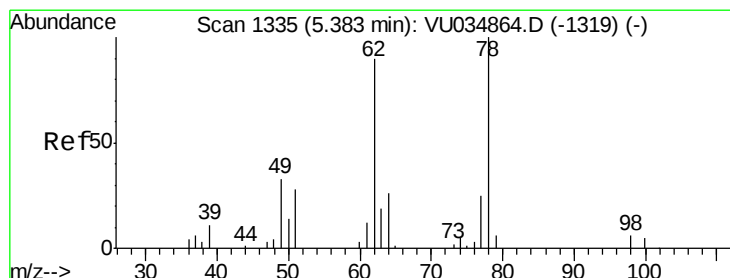
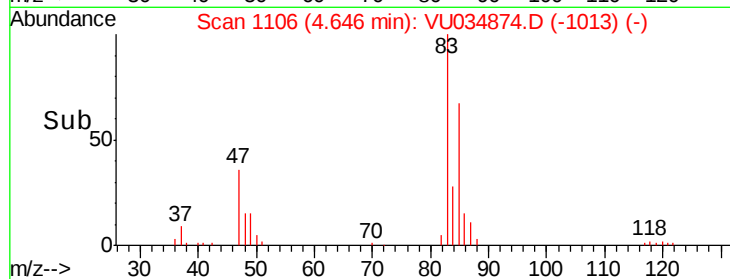
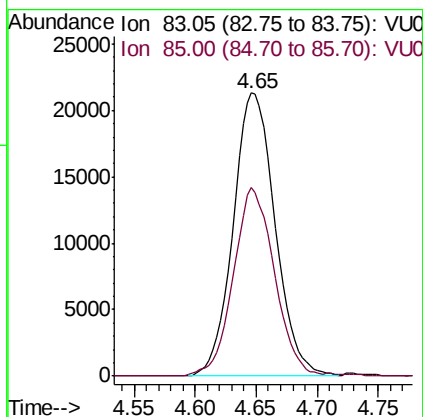
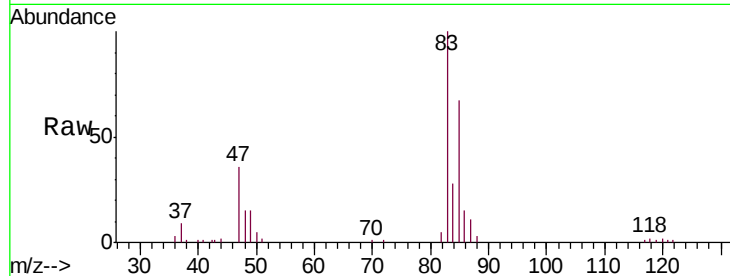




#25
Chloroform
Concen: 4.896 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

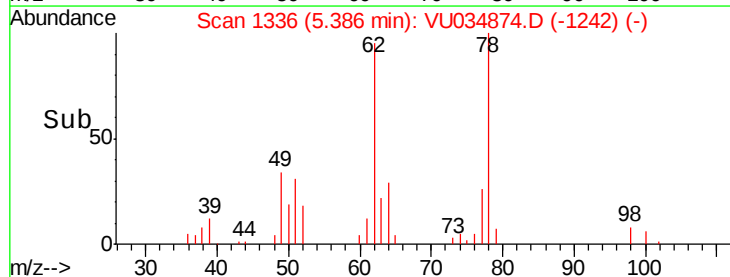
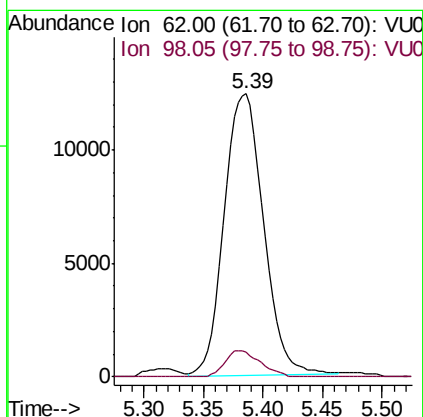
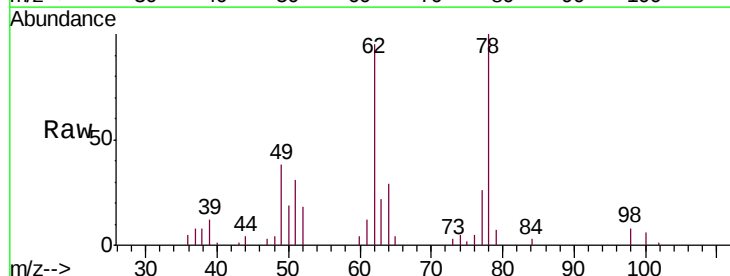
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

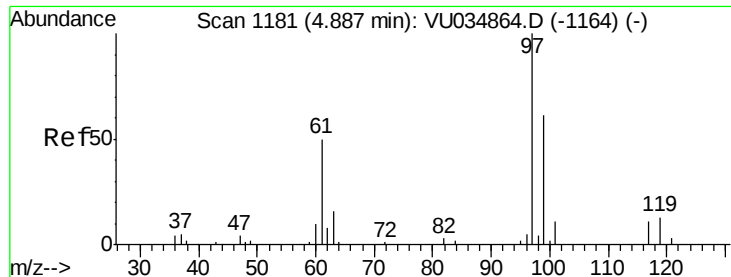
Tgt Ion: 83 Resp: 50694
Ion Ratio Lower Upper
83 100
85 66.6 42.8 79.4



#27
1,2-Dichloroethane
Concen: 4.768 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

Tgt Ion: 62 Resp: 28409
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.6

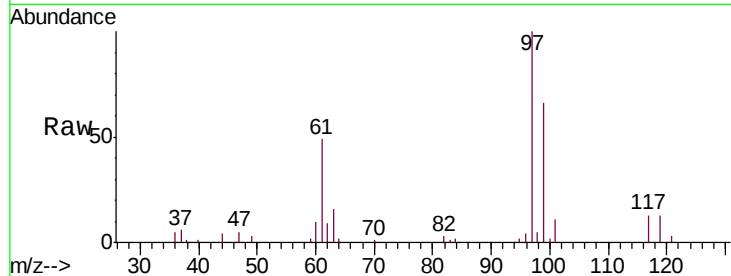




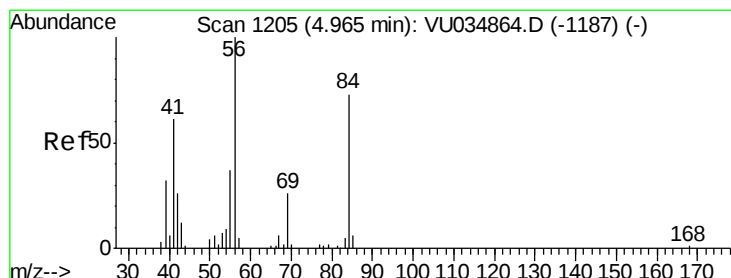
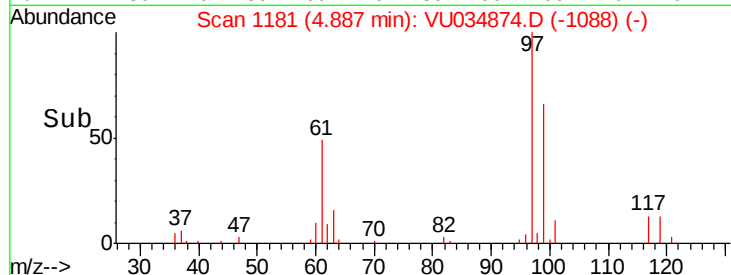
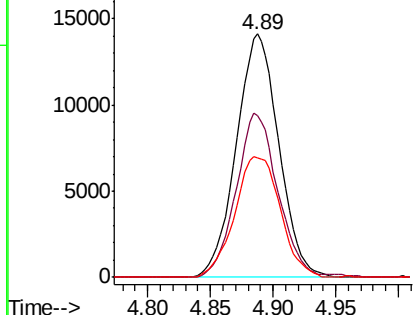
#29
 1,1,1-Trichloroethane
 Concen: 4.503 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion: 97 Resp: 33285
 Ion Ratio Lower Upper
 97 100
 99 66.0 50.0 75.0
 61 53.0 39.8 59.6

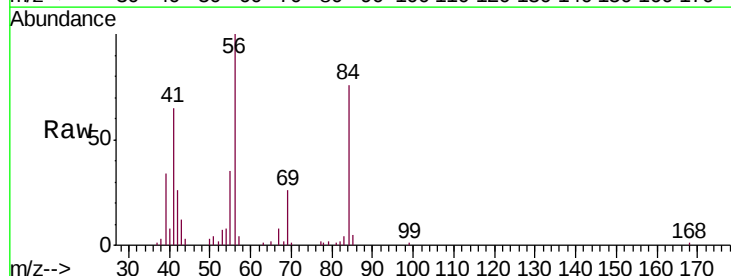


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

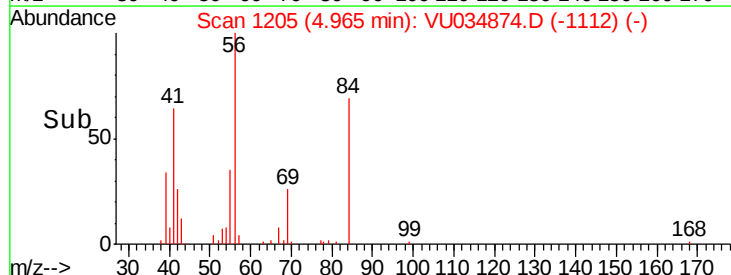
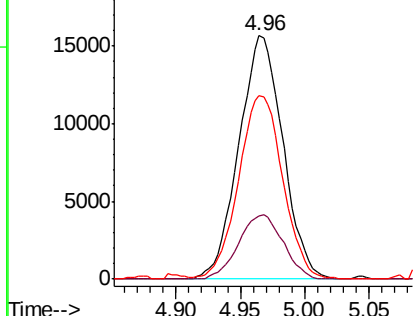


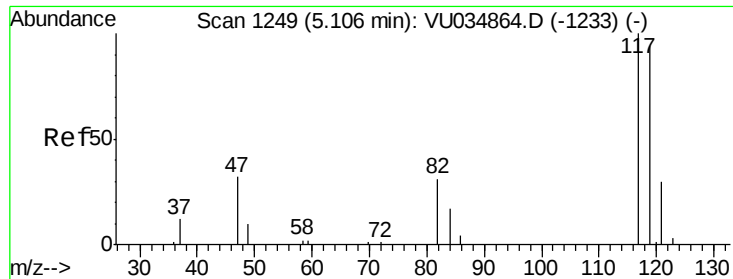
#30
 Cyclohexane
 Concen: 4.792 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Tgt Ion: 56 Resp: 37231
 Ion Ratio Lower Upper
 56 100
 69 26.6 21.4 32.2
 84 75.8 64.2 96.2



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: 4.625 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

Instrument :

MSVOA_U

ClientSampleId :

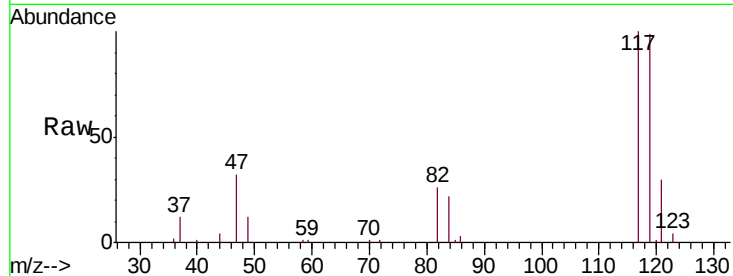
VSTD00525

Tgt Ion:117 Resp: 27818

Ion Ratio Lower Upper

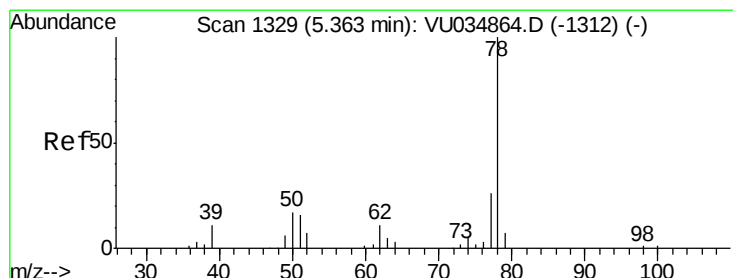
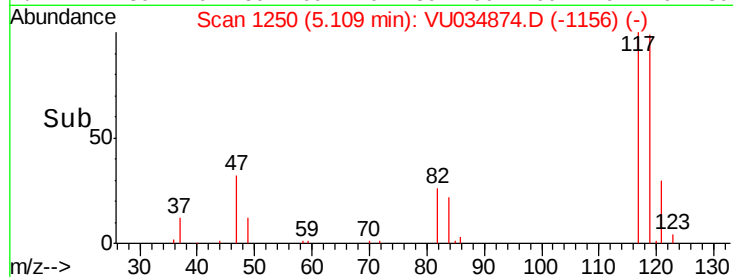
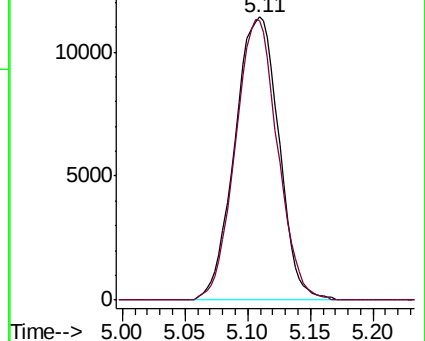
117 100

119 95.4 74.2 111.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.912 ug/L

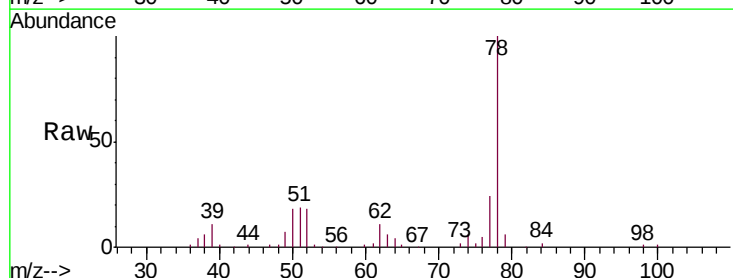
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

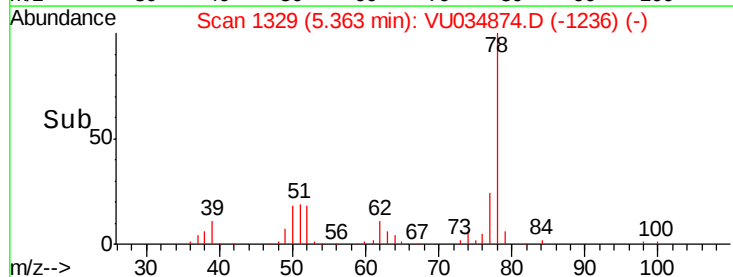
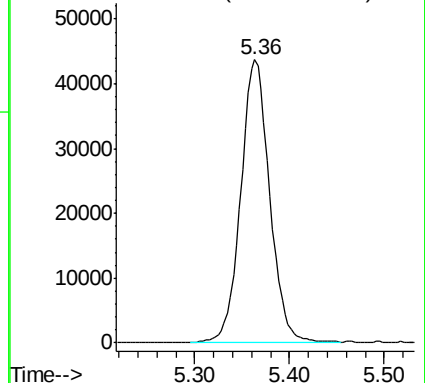
Lab File: VU034874.D

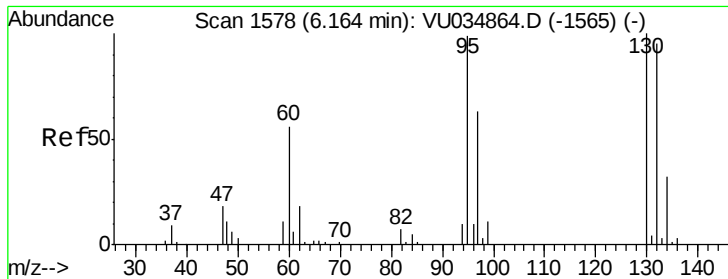
Acq: 27 Sep 2019 18:24

Tgt Ion: 78 Resp: 93108



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.915 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tgt Ion: 95 Resp: 23223

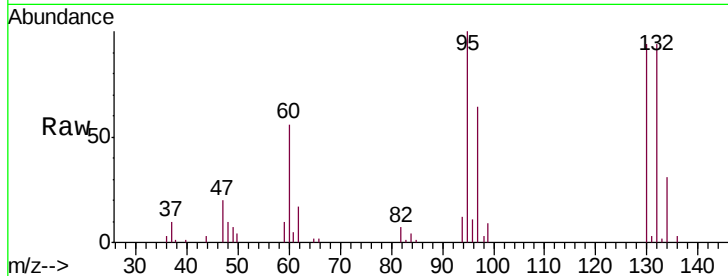
Ion Ratio Lower Upper

95 100

97 63.5 45.2 84.0

132 94.1 60.9 113.1

130 94.3 64.3 119.3

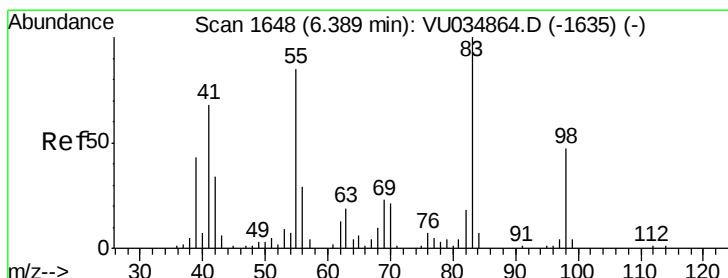
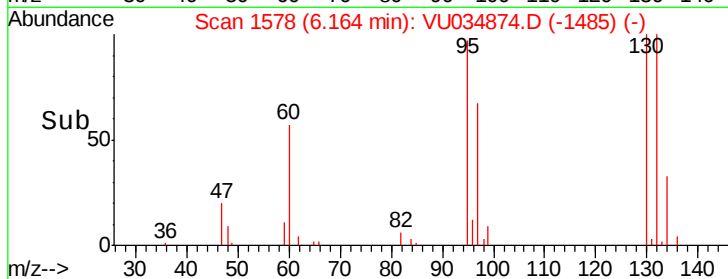
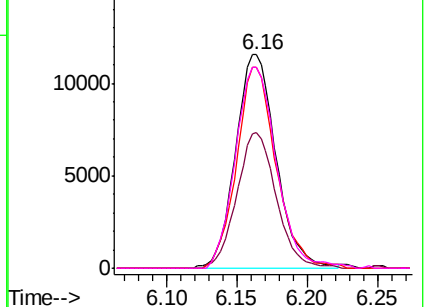


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.539 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

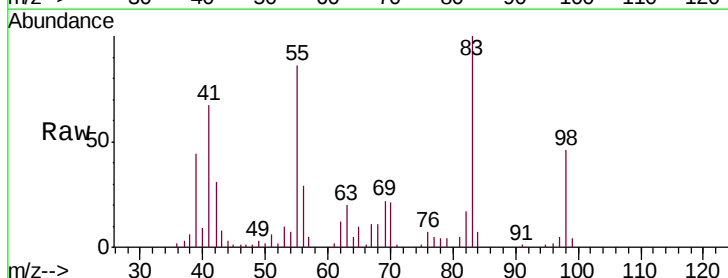
Tgt Ion: 83 Resp: 34644

Ion Ratio Lower Upper

83 100

55 83.2 66.8 100.2

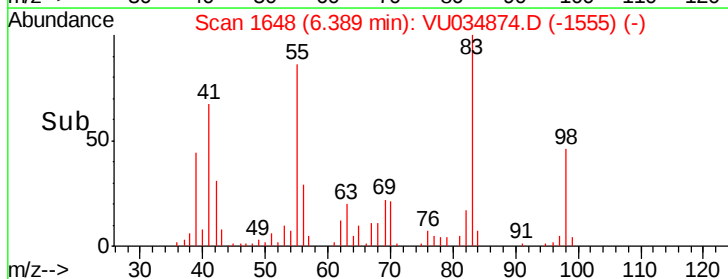
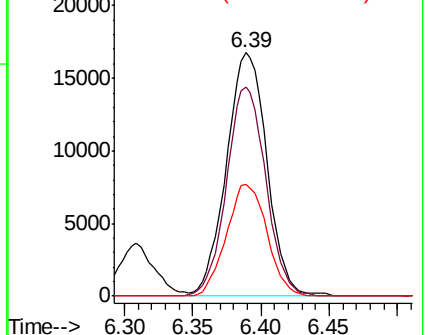
98 45.7 35.4 53.0

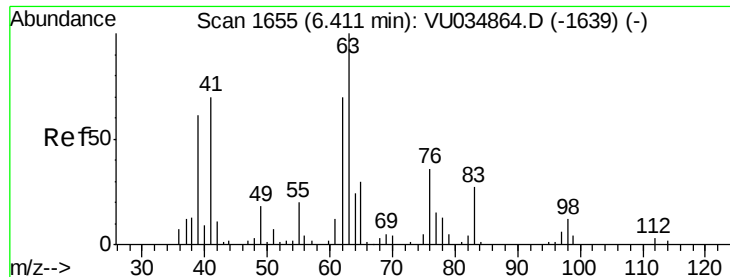


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

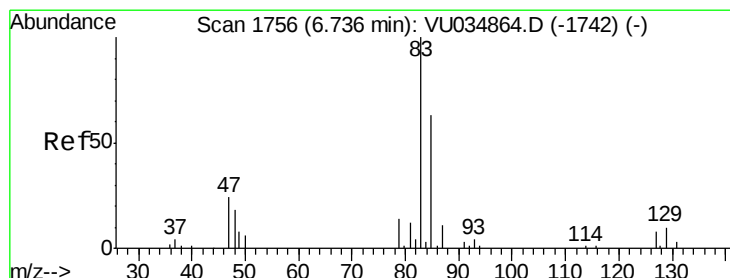
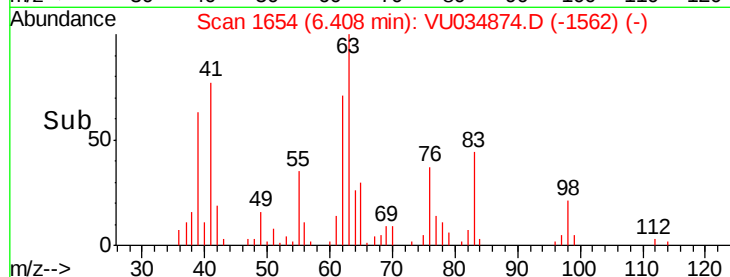
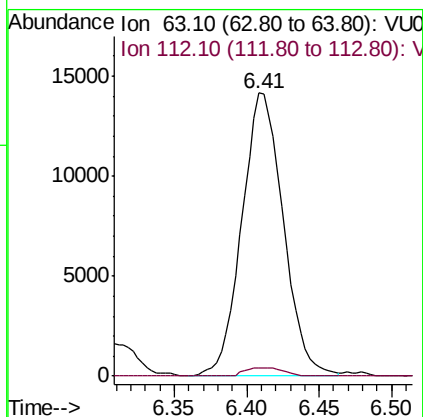
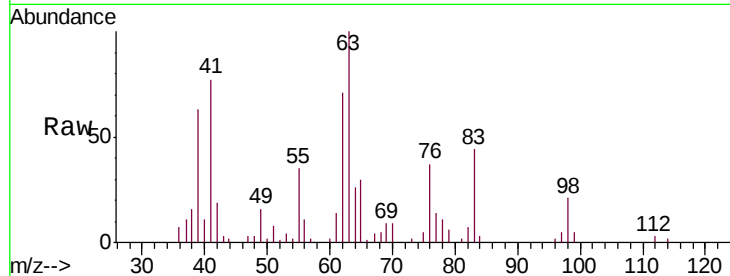




#37
 1,2-Dichloropropane
 Concen: 4.827 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

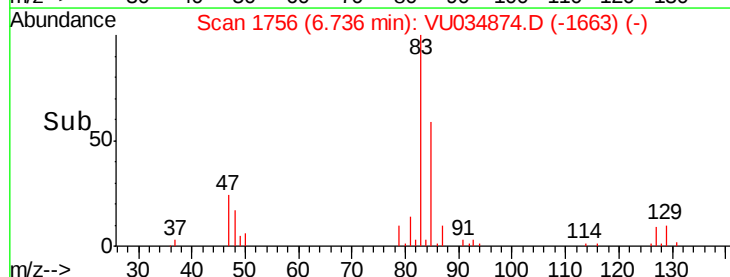
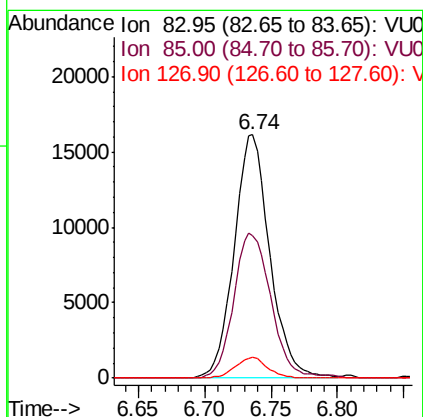
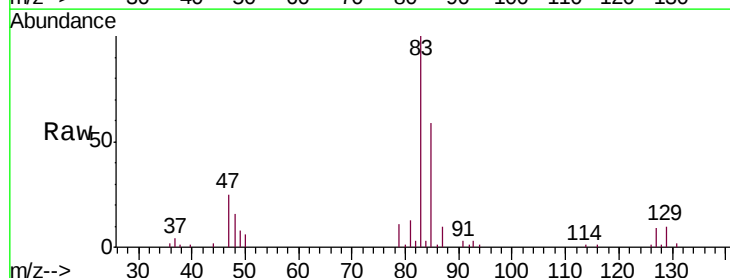
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

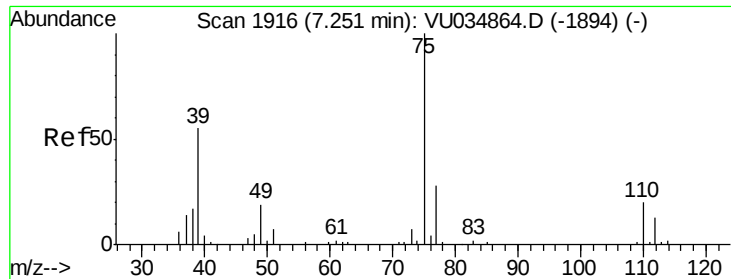
Tgt Ion: 63 Resp: 28251
 Ion Ratio Lower Upper
 63 100
 112 2.7 2.2 3.2



#38
 Bromodichloromethane
 Concen: 4.309 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Tgt Ion: 83 Resp: 30177
 Ion Ratio Lower Upper
 83 100
 85 58.5 43.4 80.6
 127 8.6 6.2 9.2

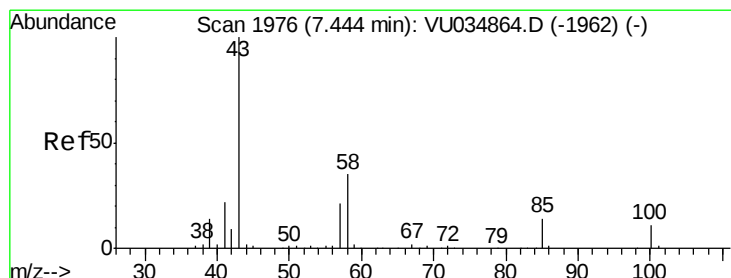
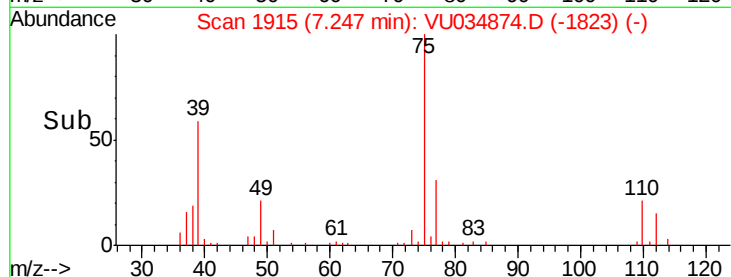
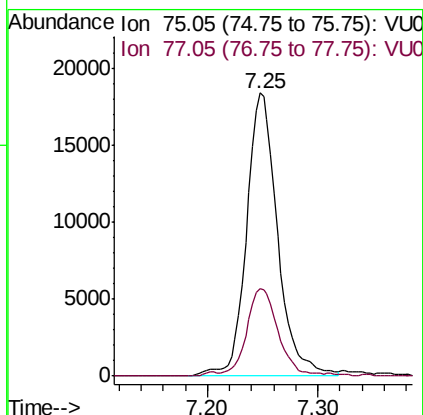
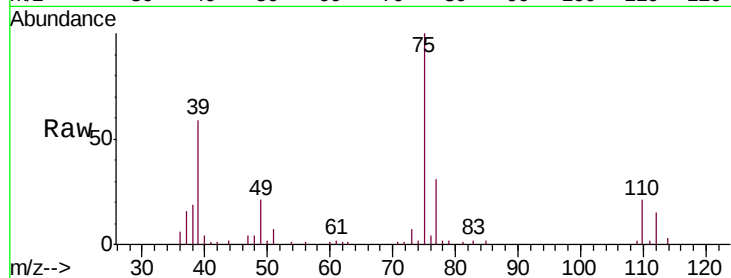




#39
 cis-1,3-Dichloropropene
 Concen: 4.353 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

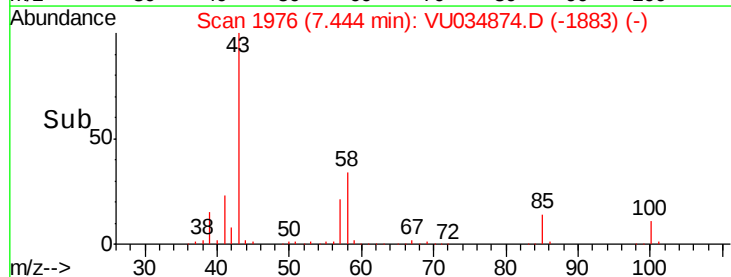
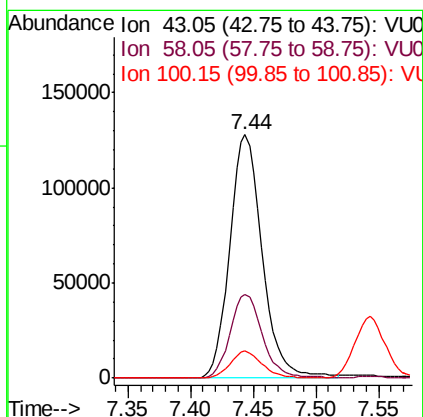
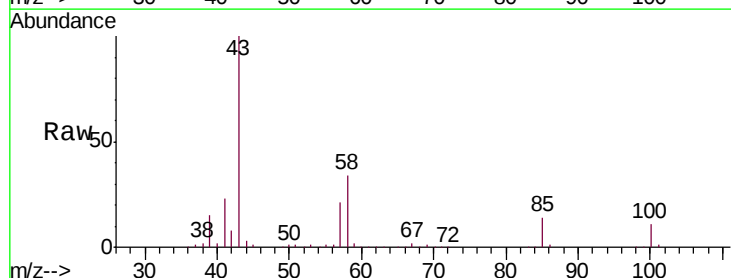
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

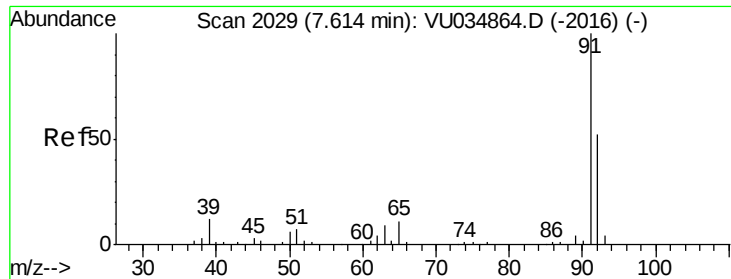
Tgt Ion: 75 Resp: 35869
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 52.182 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Tgt Ion: 43 Resp: 230186
 Ion Ratio Lower Upper
 43 100
 58 34.4 28.6 42.8
 100 10.8 8.9 13.3





#42

Toluene

Concen: 4.949 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

Instrument :

MSVOA_U

ClientSampleId :

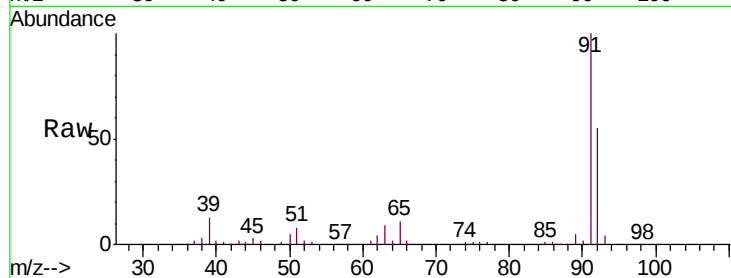
VSTD00525

Tgt Ion: 91 Resp: 101386

Ion Ratio Lower Upper

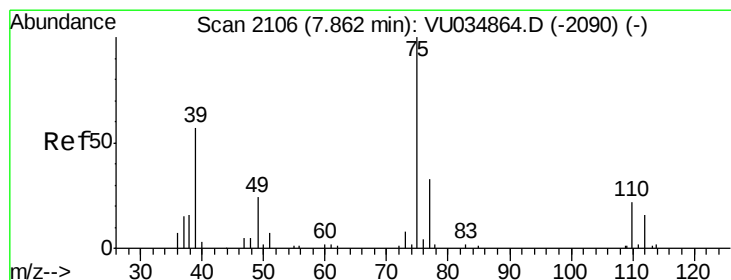
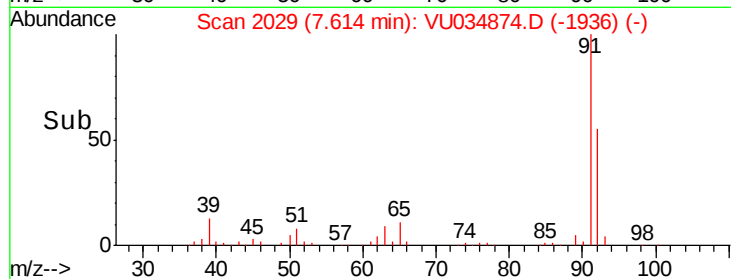
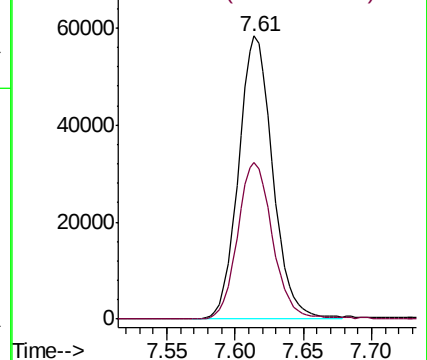
91 100

92 55.4 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034874.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU034874.D (-2016) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.263 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034874.D

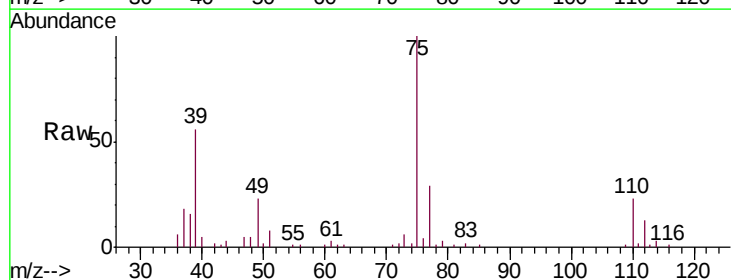
Acq: 27 Sep 2019 18:24

Tgt Ion: 75 Resp: 28496

Ion Ratio Lower Upper

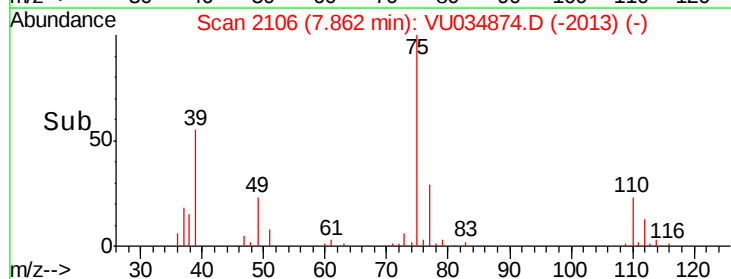
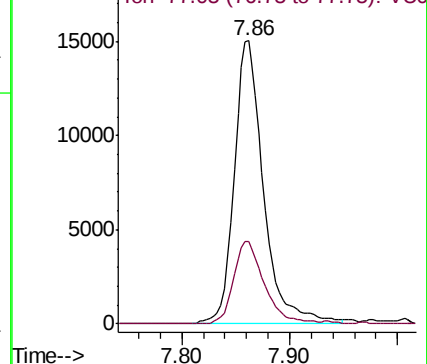
75 100

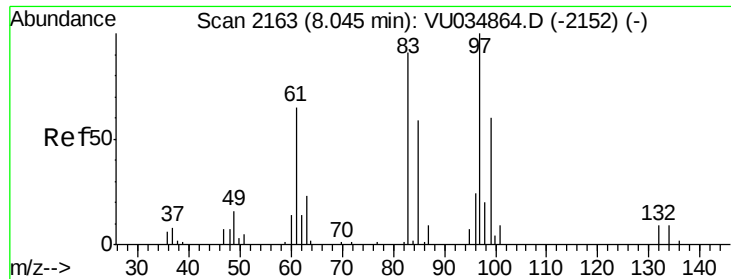
77 29.1 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU034874.D (-2090) (-)

Ion 77.05 (76.75 to 77.75): VU034874.D (-2090) (-)

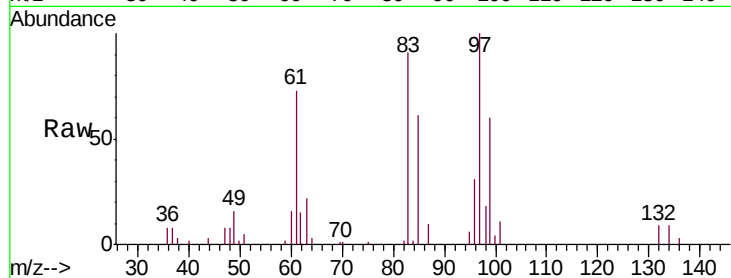




#45
 1,1,2-Trichloroethane
 Concen: 4.963 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion:	97	Resp:	18473
Ion	Ratio	Lower	Upper
97	100		
99	60.1	42.5	78.9
83	91.4	65.9	122.5
85	60.6	43.5	80.9



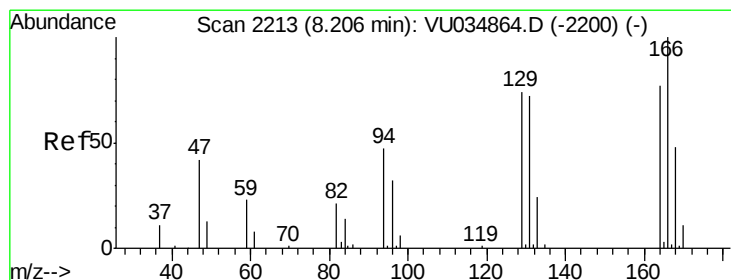
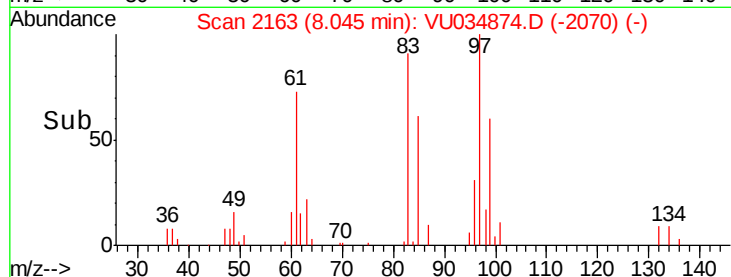
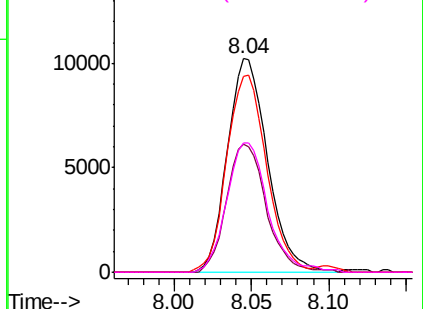
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

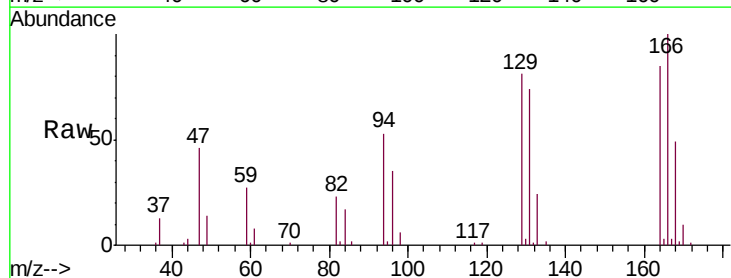
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.678 ug/L
 RT: 8.20 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Tgt Ion:	164	Resp:	16266
Ion	Ratio	Lower	Upper
164	100		
129	95.3	73.6	136.8
131	87.8	73.4	136.4
166	117.9	90.6	168.3



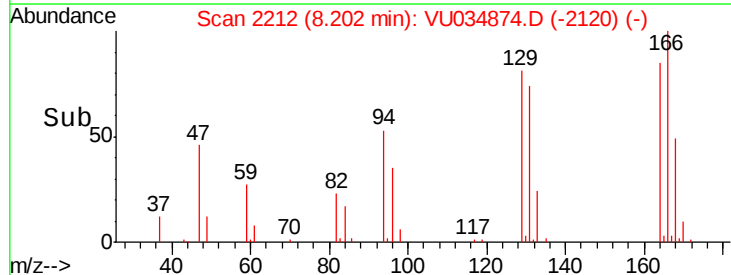
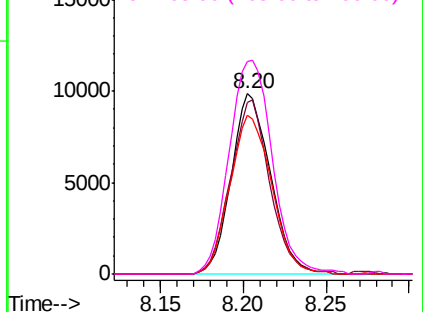
Abundance

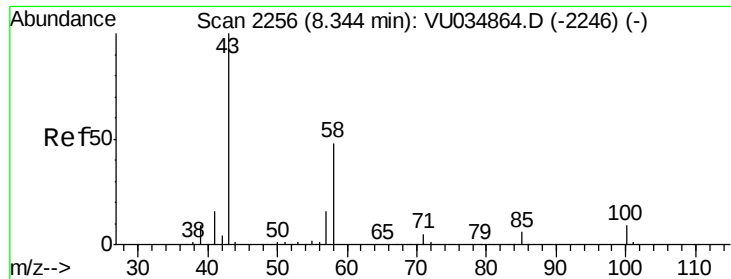
Ion 163.90 (163.60 to 164.60): V

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

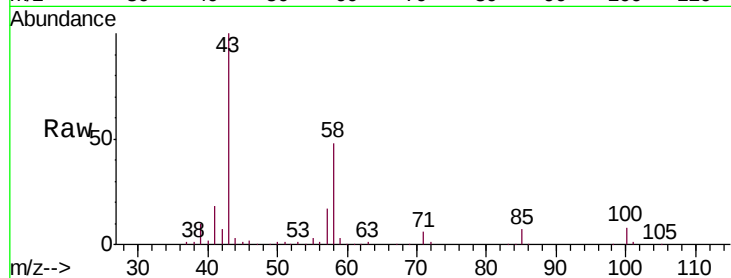




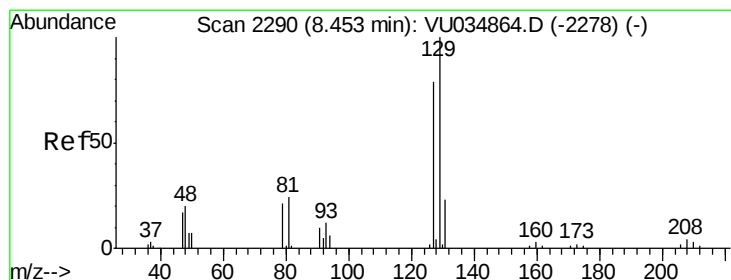
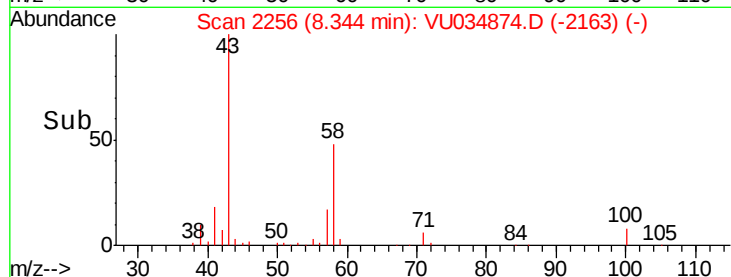
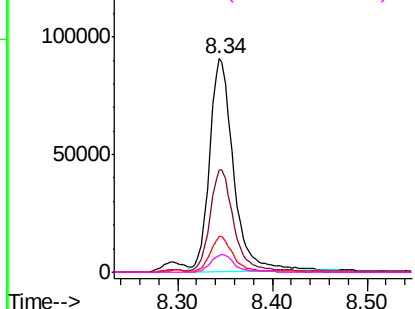
#48
2-Hexanone
Concen: 53.802 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion:	43	Resp:	159505
Ion	Ratio	Lower	Upper
43	100		
58	47.5	41.2	61.8
57	15.3	13.3	19.9
100	8.4	7.2	10.8

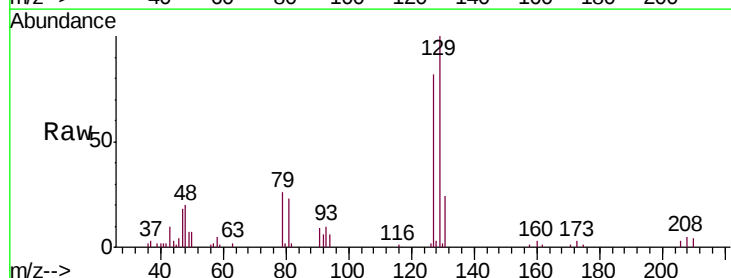


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

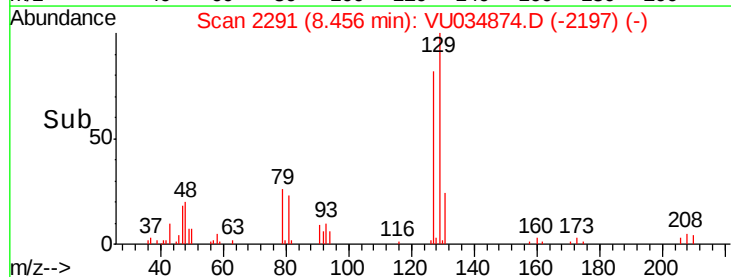
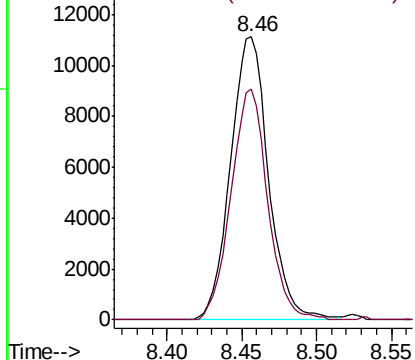


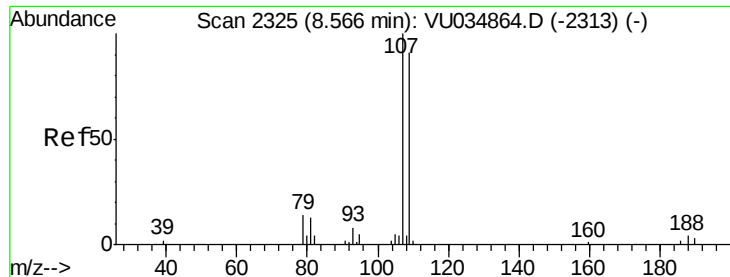
#49
Dibromochloromethane
Concen: 4.515 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

Tgt Ion:	129	Resp:	19714
Ion	Ratio	Lower	Upper
129	100		
127	81.7	53.0	98.4



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

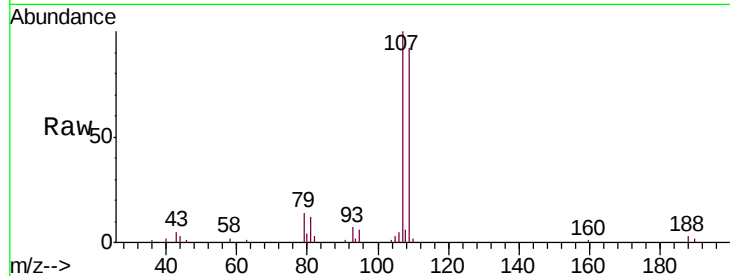




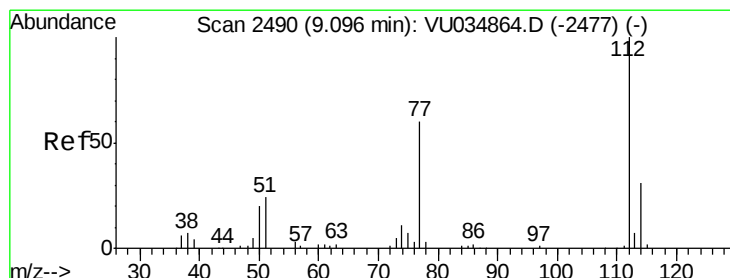
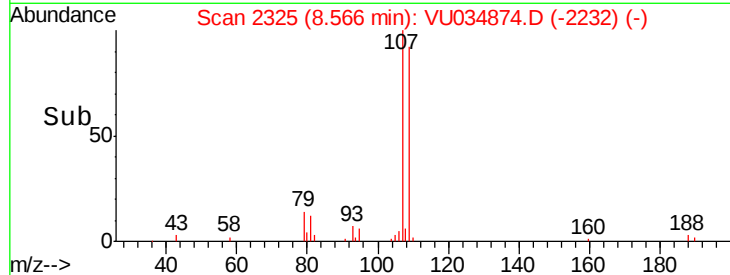
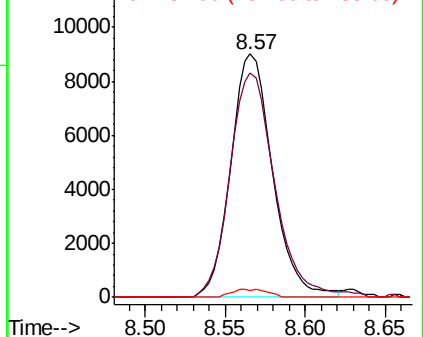
#50
1,2-Dibromoethane
Concen: 4.740 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion:107 Resp: 16087
Ion Ratio Lower Upper
107 100
109 92.1 66.3 123.1
188 3.0 2.9 4.3

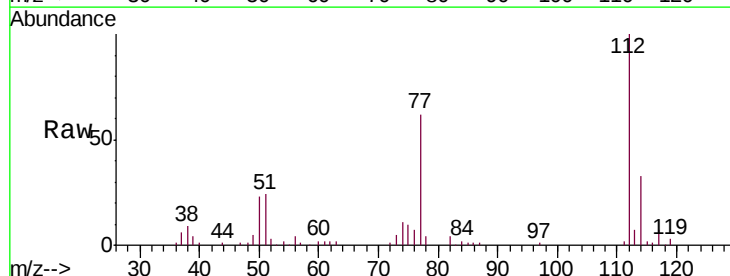


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

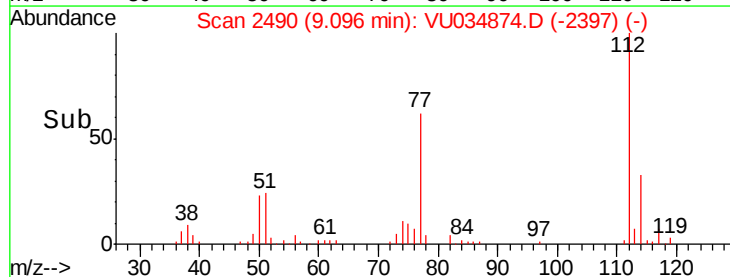
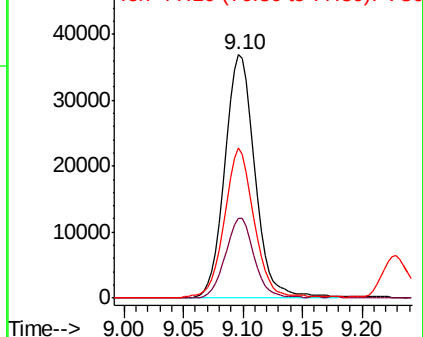


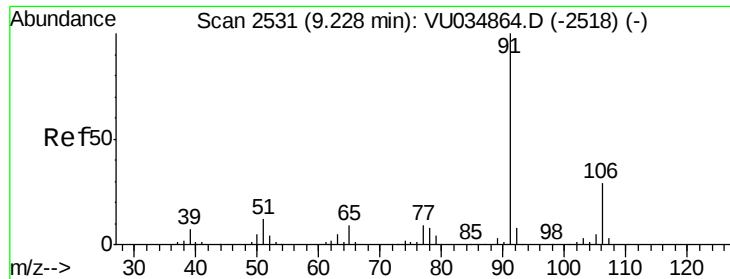
#51
Chlorobenzene
Concen: 5.065 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

Tgt Ion:112 Resp: 65040
Ion Ratio Lower Upper
112 100
114 33.0 22.5 41.7
77 61.6 50.3 75.5



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): V





#52

Ethylbenzene

Concen: 4.761 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

Instrument :

MSVOA_U

ClientSampleId :

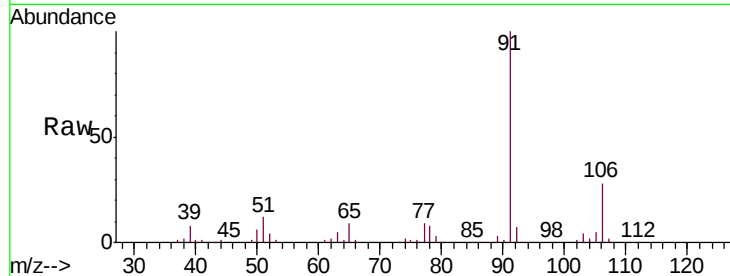
VSTD00525

Tgt Ion: 91 Resp: 112751

Ion Ratio Lower Upper

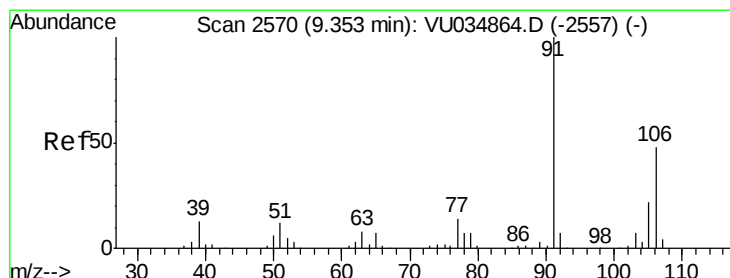
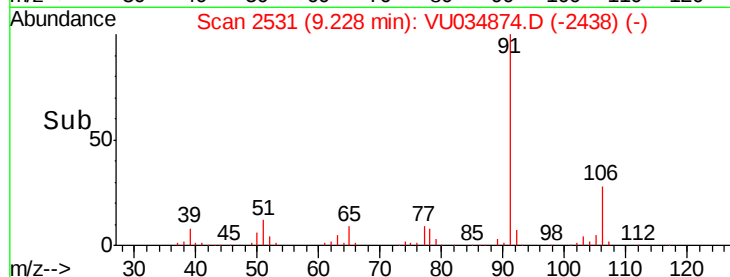
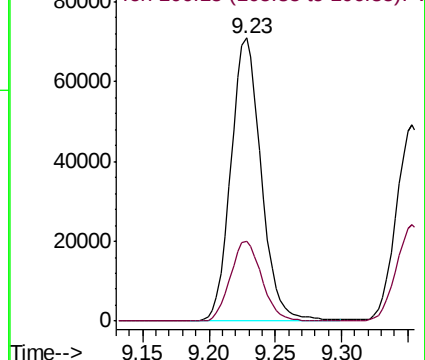
91 100

106 28.2 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU034874.D (-2518) (-)

Ion 106.15 (105.85 to 106.85): VU034874.D (-2518) (-)



#53

m,p-Xylene

Concen: 4.800 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034874.D

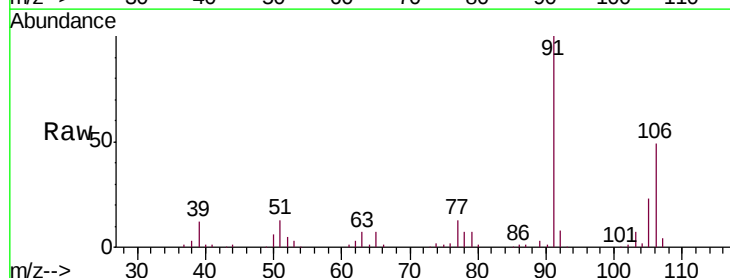
Acq: 27 Sep 2019 18:24

Tgt Ion: 106 Resp: 40312

Ion Ratio Lower Upper

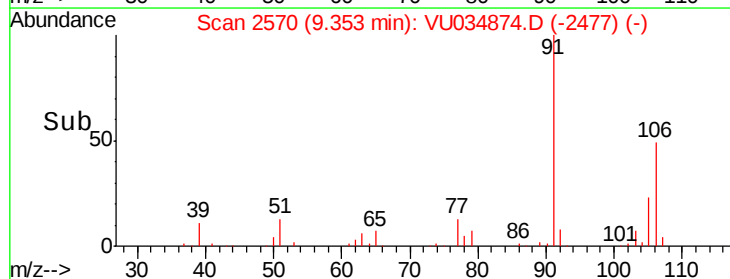
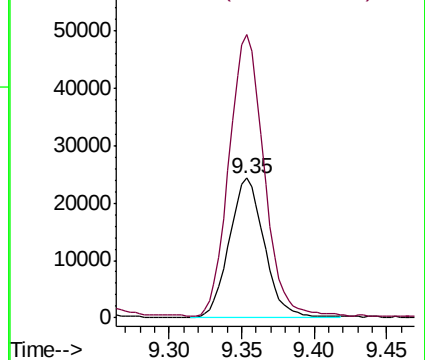
106 100

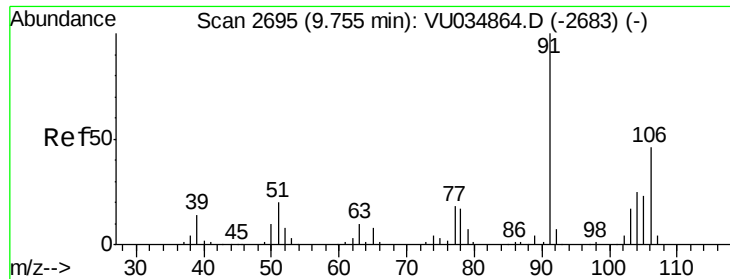
91 202.7 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VU034874.D (-2570) (-)

Ion 91.15 (90.85 to 91.85): VU034874.D (-2570) (-)

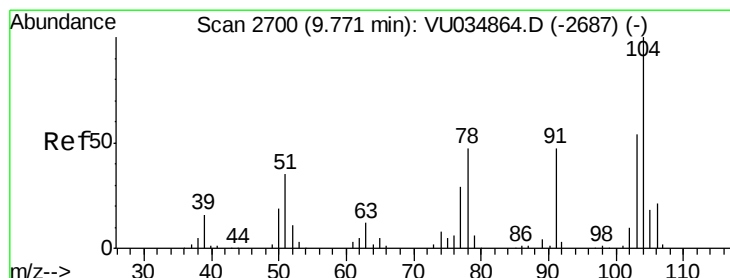
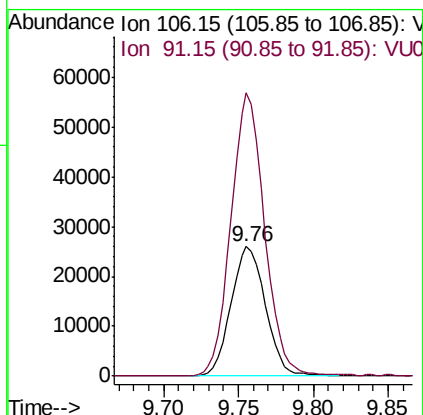
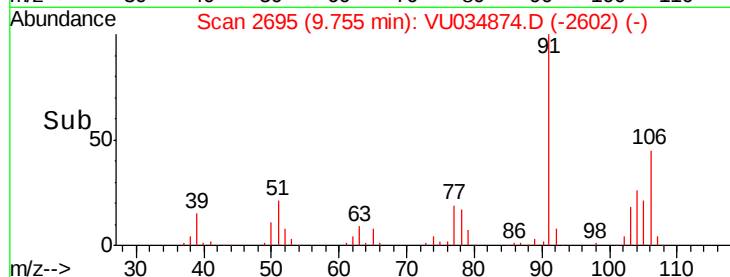
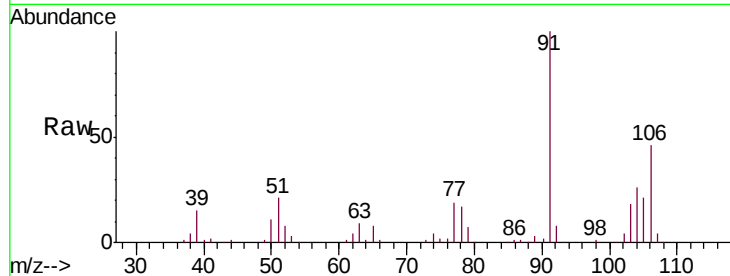




#54
o-Xylene
Concen: 4.965 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

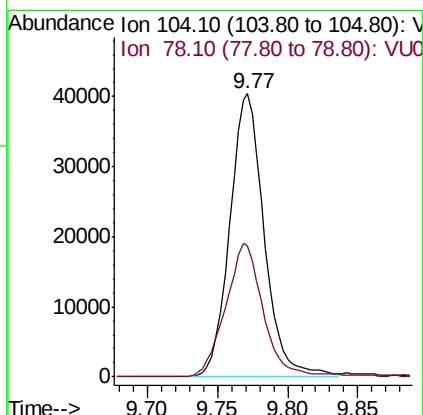
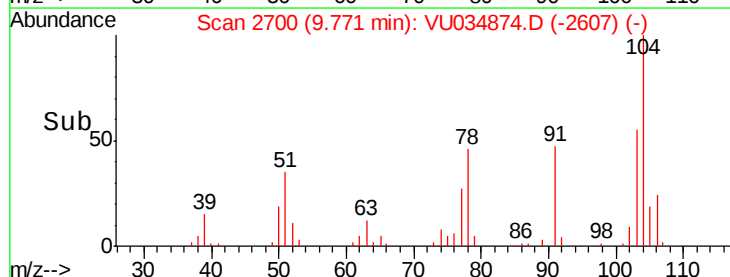
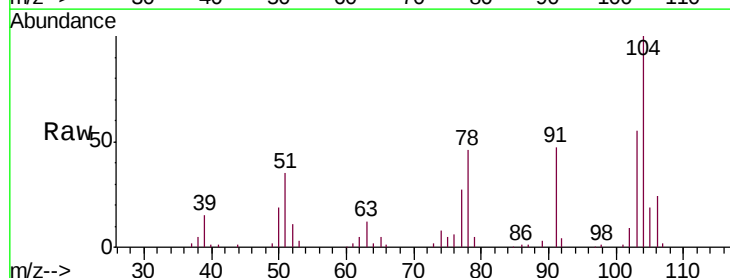
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

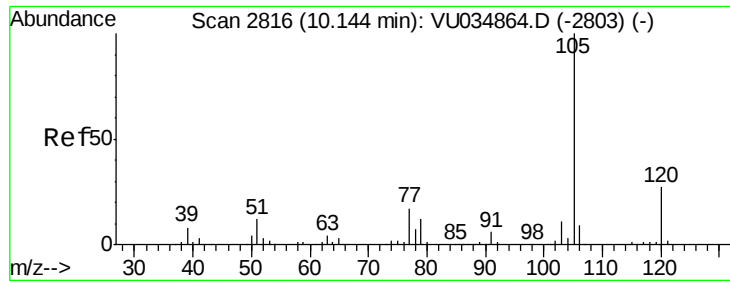
Tgt Ion:106 Resp: 41897
Ion Ratio Lower Upper
106 100
91 219.0 151.9 282.1



#55
Styrene
Concen: 4.917 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034874.D
Acq: 27 Sep 2019 18:24

Tgt Ion:104 Resp: 68908
Ion Ratio Lower Upper
104 100
78 46.5 35.4 65.8





#56

Isopropylbenzene

Concen: 4.724 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

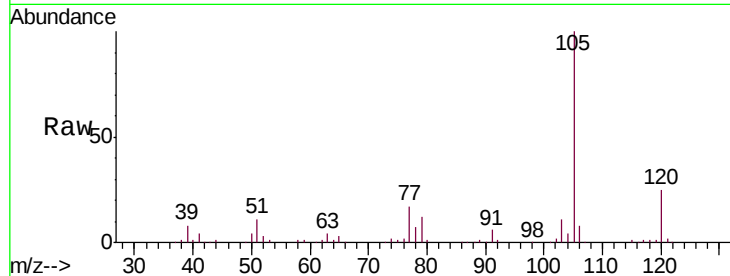
Tgt Ion: 105 Resp: 110741

Ion Ratio Lower Upper

105 100

120 26.1 19.8 29.6

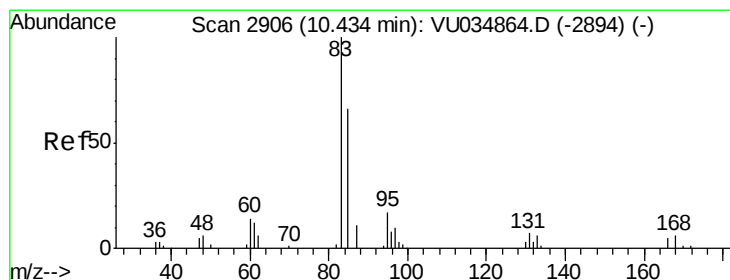
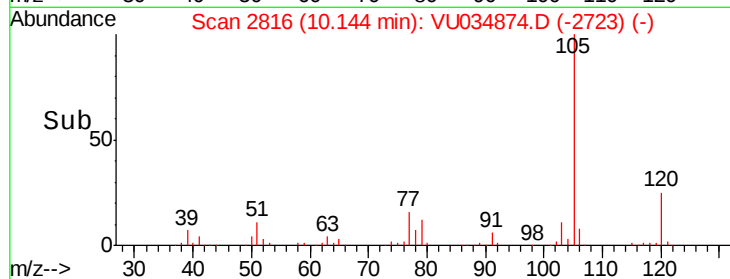
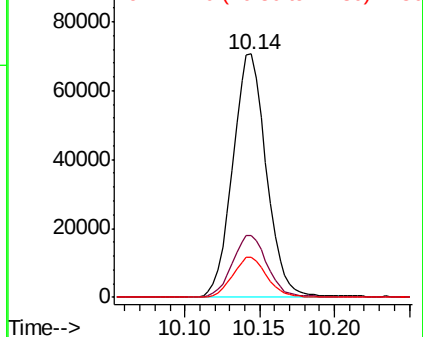
77 16.8 13.9 20.9



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: 4.720 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

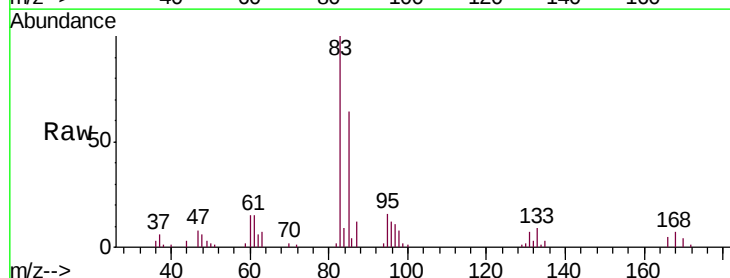
Tgt Ion: 83 Resp: 25939

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.4

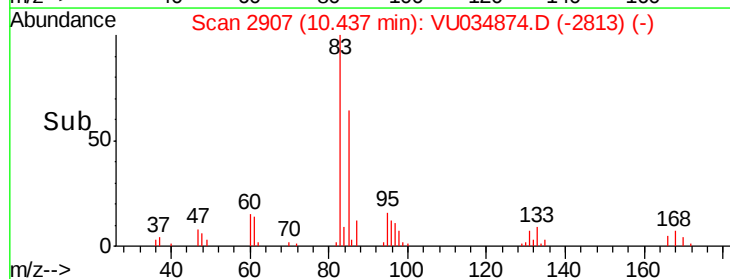
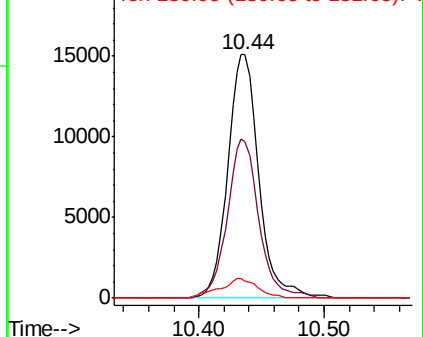
131 7.2 6.7 10.1

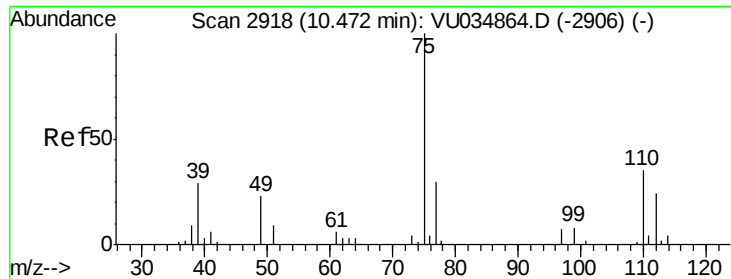


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

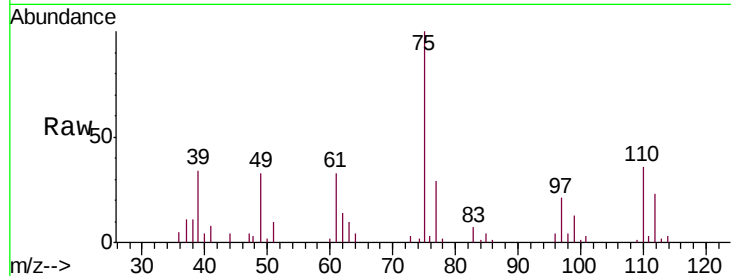




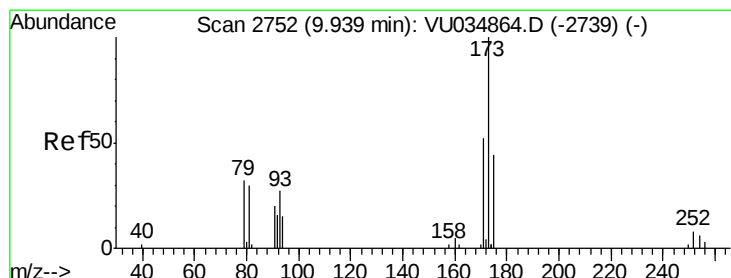
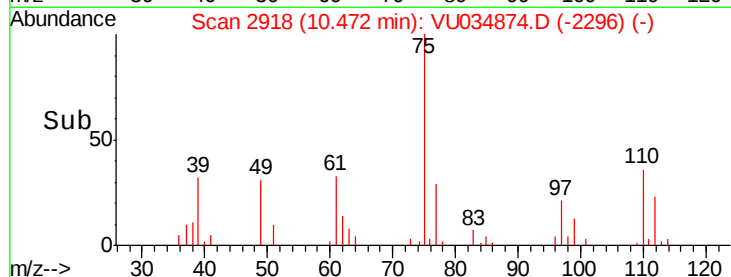
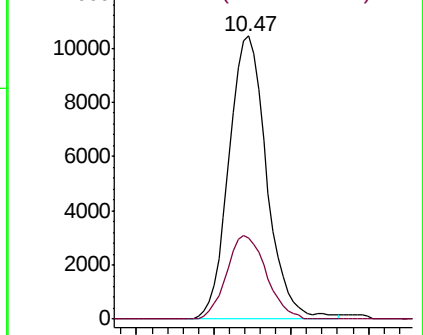
#59
 1,2,3-Trichloropropane
 Concen: 4.634 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. 0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion: 75 Resp: 17719
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.0 39.0

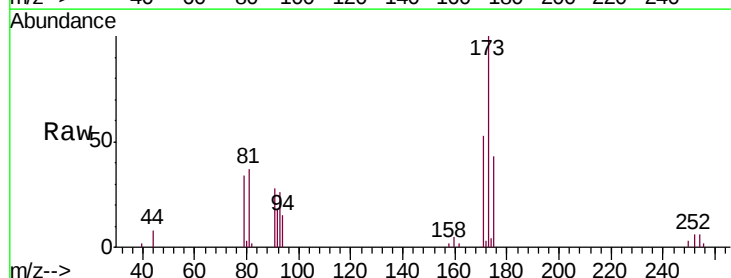


Abundance Ion 75.00 (74.70 to 75.70): VU034864.D (-2906) (-)
 Ion 77.00 (76.70 to 77.70): VU034864.D (-2906) (-)

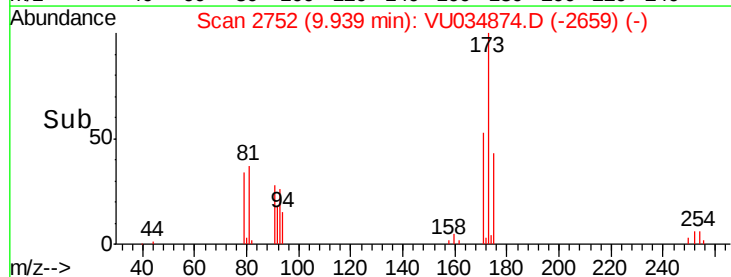
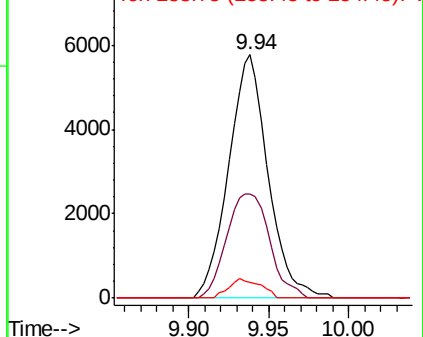


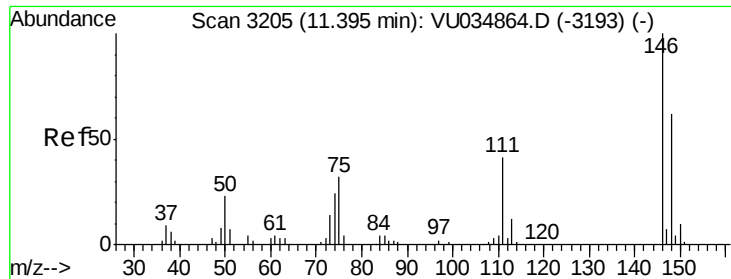
#61
 Bromoform
 Concen: 4.052 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Tgt Ion: 173 Resp: 9712
 Ion Ratio Lower Upper
 173 100
 175 46.7 40.0 60.0
 254 6.3 3.5 5.3#



Abundance Ion 172.90 (172.60 to 173.60): VU034864.D (-2739) (-)
 Ion 174.90 (174.60 to 175.60): VU034864.D (-2739) (-)
 Ion 253.75 (253.45 to 254.45): VU034864.D (-2739) (-)

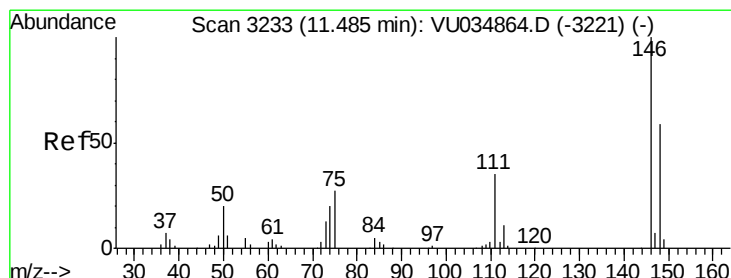
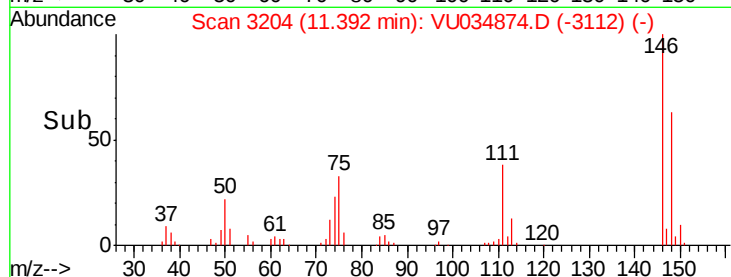
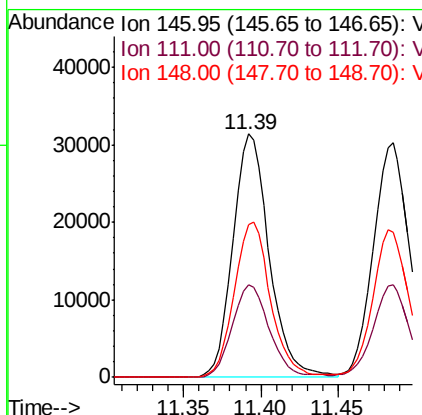
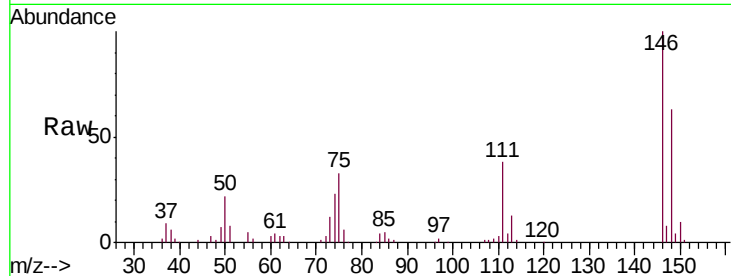




#62
 1,3-Dichlorobenzene
 Concen: 4.793 ug/L
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

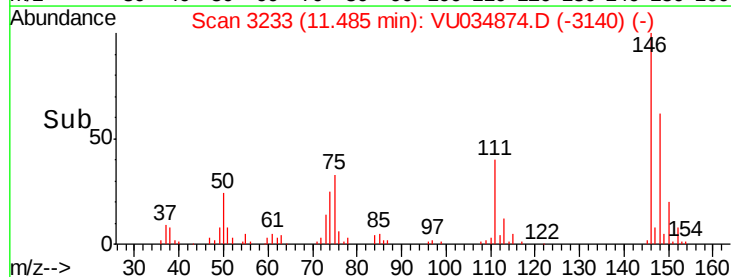
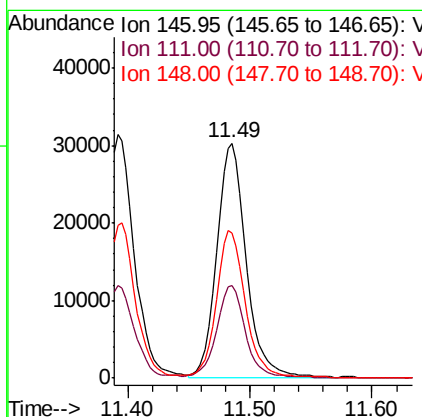
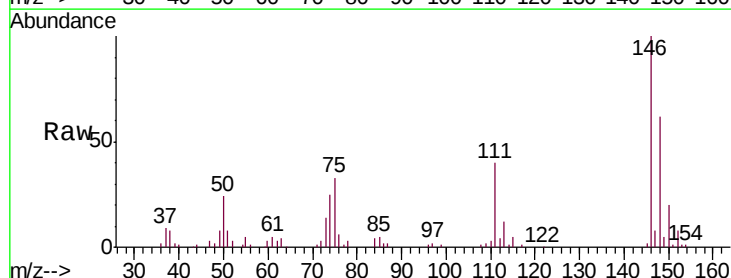
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

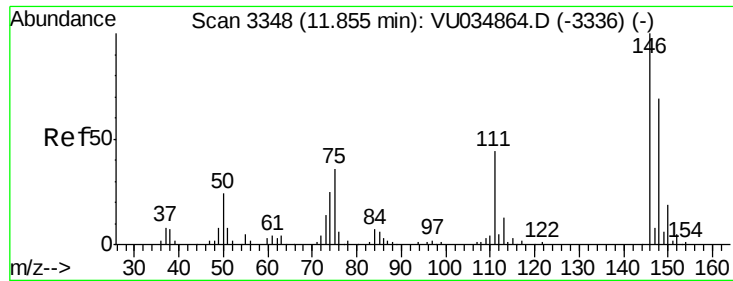
Tgt Ion:146 Resp: 51057
 Ion Ratio Lower Upper
 146 100
 111 37.8 32.8 61.0
 148 62.7 45.9 85.3



#63
 1,4-Dichlorobenzene
 Concen: 4.861 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Tgt Ion:146 Resp: 51693
 Ion Ratio Lower Upper
 146 100
 111 39.6 30.2 56.2
 148 61.9 45.4 84.4

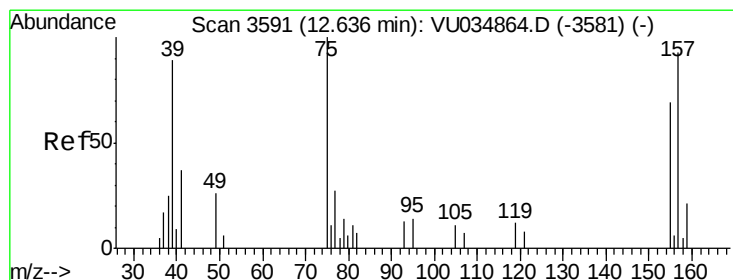
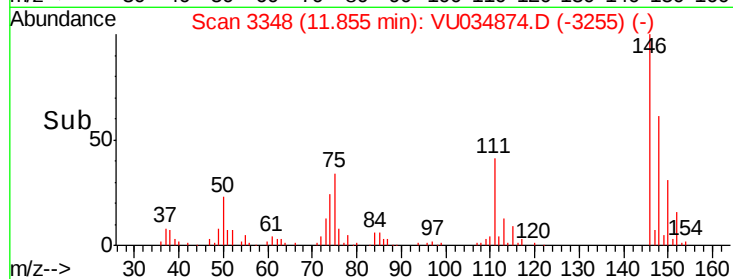
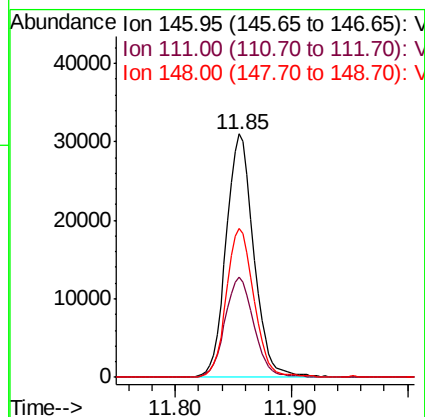
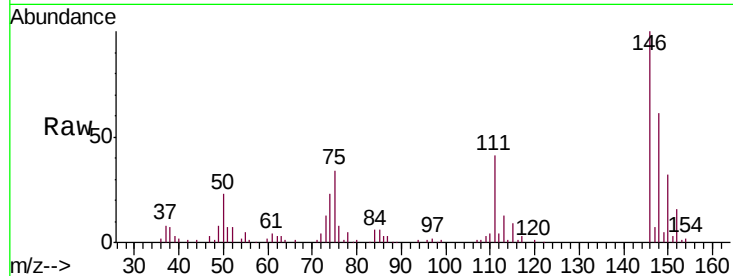




#65
 1,2-Dichlorobenzene
 Concen: 4.893 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

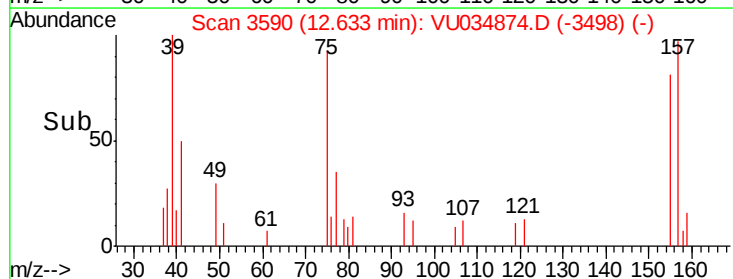
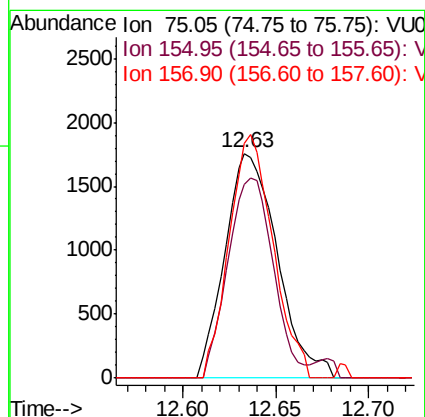
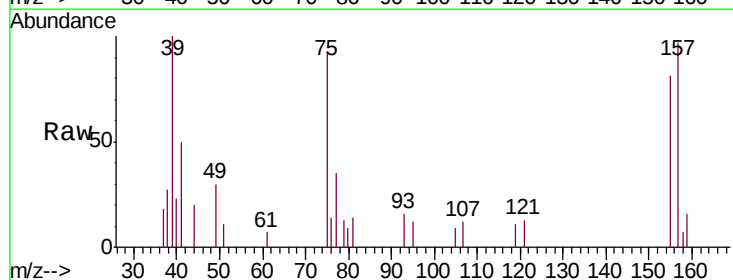
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

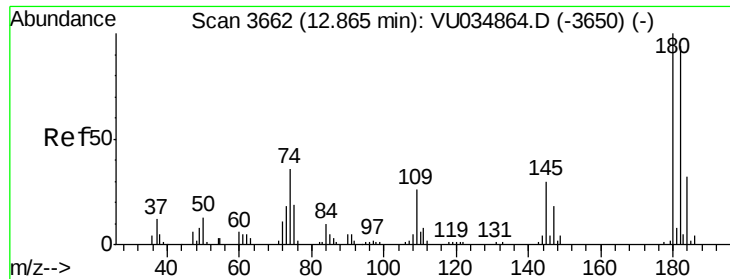
Tgt Ion:146 Resp: 51019
 Ion Ratio Lower Upper
 146 100
 111 41.2 37.1 55.7
 148 61.2 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.656 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Tgt Ion: 75 Resp: 3452
 Ion Ratio Lower Upper
 75 100
 155 86.3 49.1 73.7#
 157 104.1 70.8 106.2

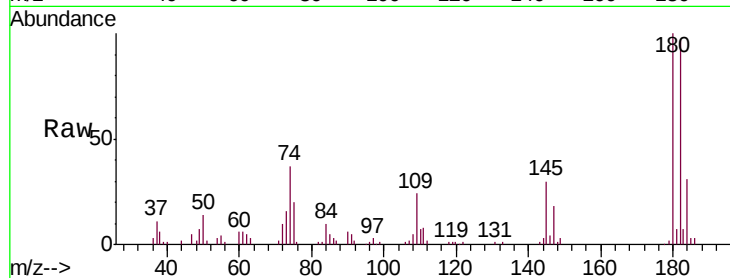




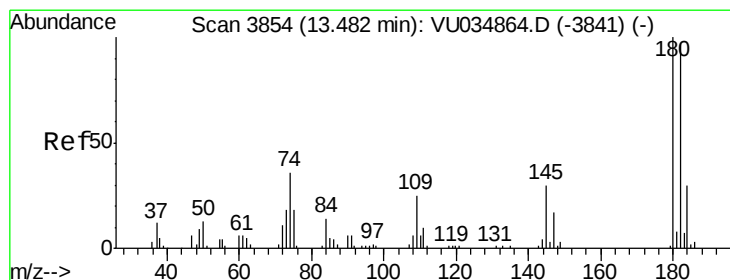
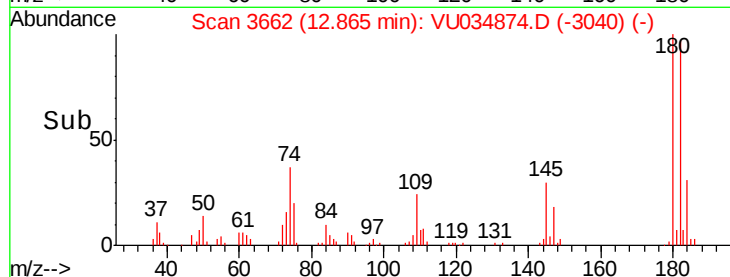
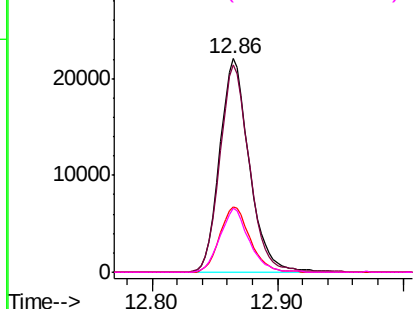
#67
 1,3,5-Trichlorobenzene
 Concen: 5.191 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion:180 Resp: 36140
 Ion Ratio Lower Upper
 180 100
 182 96.0 74.5 111.7
 184 31.2 23.4 35.2
 145 29.1 27.0 40.4

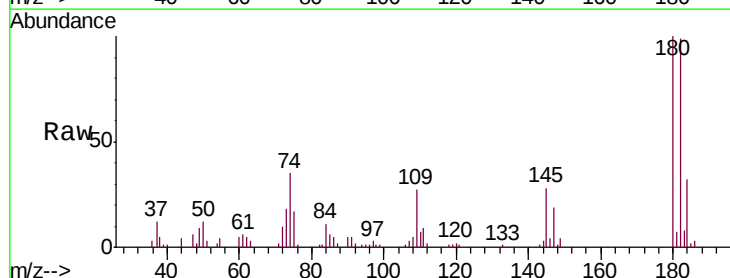


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

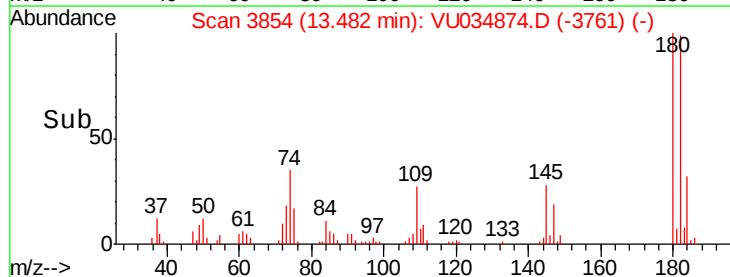
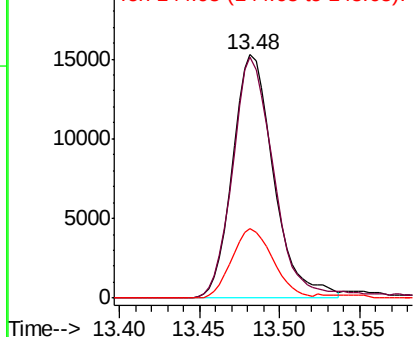


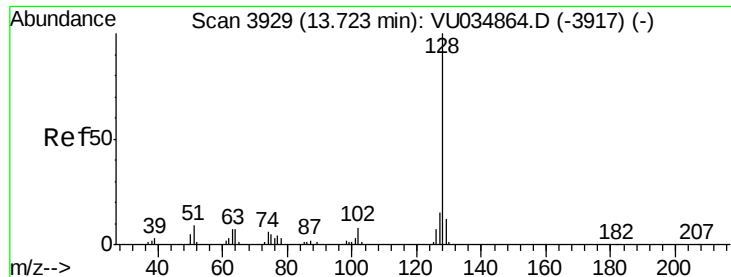
#68
 1,2,4-trichlorobenzene
 Concen: 4.827 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034874.D
 Acq: 27 Sep 2019 18:24

Tgt Ion:180 Resp: 26799
 Ion Ratio Lower Upper
 180 100
 182 100.1 76.9 115.3
 145 28.5 26.2 39.4



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: 3.553 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

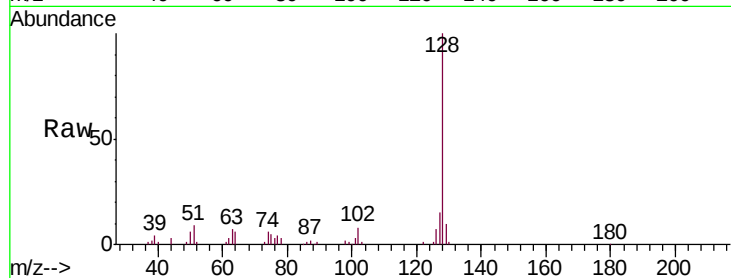
Tgt Ion:128 Resp: 48031

Ion Ratio Lower Upper

128 100

129 10.8 9.2 13.8

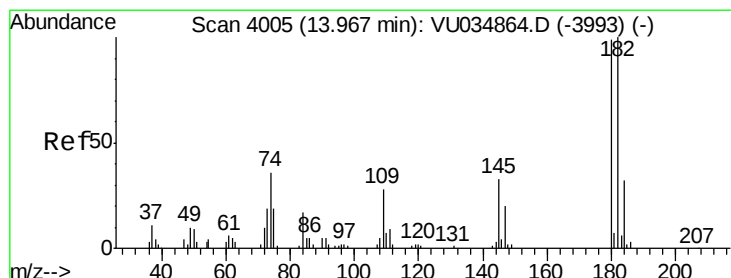
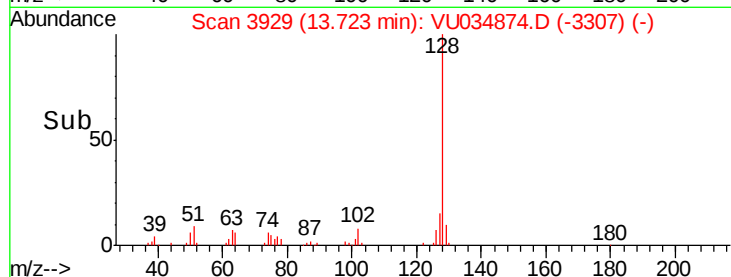
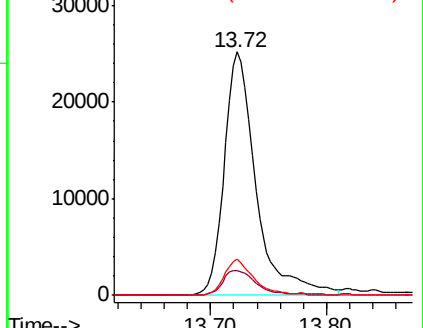
127 13.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.094 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034874.D

Acq: 27 Sep 2019 18:24

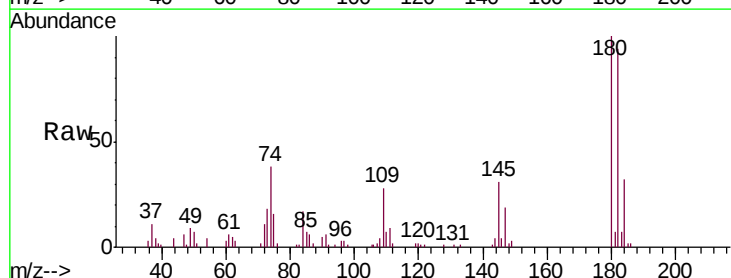
Tgt Ion:180 Resp: 26491

Ion Ratio Lower Upper

180 100

182 95.1 76.6 114.8

145 31.6 28.9 43.3



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

