

Data File : VU035115.D
Acq On : 12 Oct 2019 02:03
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Quant Time: Oct 12 02:50:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 12 02:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	151270	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	157069	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	77433	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	45286	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.68	69	43385	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.26	63	97652	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.60%
20) 2-Butanone-d5	4.17	46	152635	57.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.92%
24) Chloroform-d	4.62	84	91697	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
26) 1,2-Dichloroethane-d4	5.29	65	51709	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.32	84	176316	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.31	67	61964	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.54	98	170197	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.83	79	21232	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.30	63	115937	55.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.02%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57182	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	62422	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	71217	5.152 ug/L	98
3) Chloromethane	1.32	50	76020	5.013 ug/L	99
5) Vinyl chloride	1.40	62	77092	5.175 ug/L	99
6) Bromomethane	1.62	94	40530	4.895 ug/L	96
8) Chloroethane	1.69	64	47252	5.289 ug/L	98
9) Trichlorofluoromethane	1.88	101	98595	5.473 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	54735	5.291 ug/L	96
12) 1,1-Dichloroethene	2.27	96	50989	5.248 ug/L	84
13) Acetone	2.31	43	118103	54.761 ug/L	94
14) Carbon disulfide	2.47	76	160532	4.965 ug/L	100
15) Methyl Acetate	2.60	43	32308	5.627 ug/L	96
16) Methylene chloride	2.68	84	62019	5.156 ug/L	84
17) Methyl tert-butyl Ether	2.98	73	147672	5.571 ug/L	97
18) trans-1,2-Dichloroethene	2.96	96	52728	5.068 ug/L	92
19) 1,1-Dichloroethane	3.42	63	115904	5.605 ug/L	99
21) 2-Butanone	4.25	43	166035	54.060 ug/L	93
22) cis-1,2-Dichloroethene	4.20	96	59388	5.117 ug/L	85

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ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

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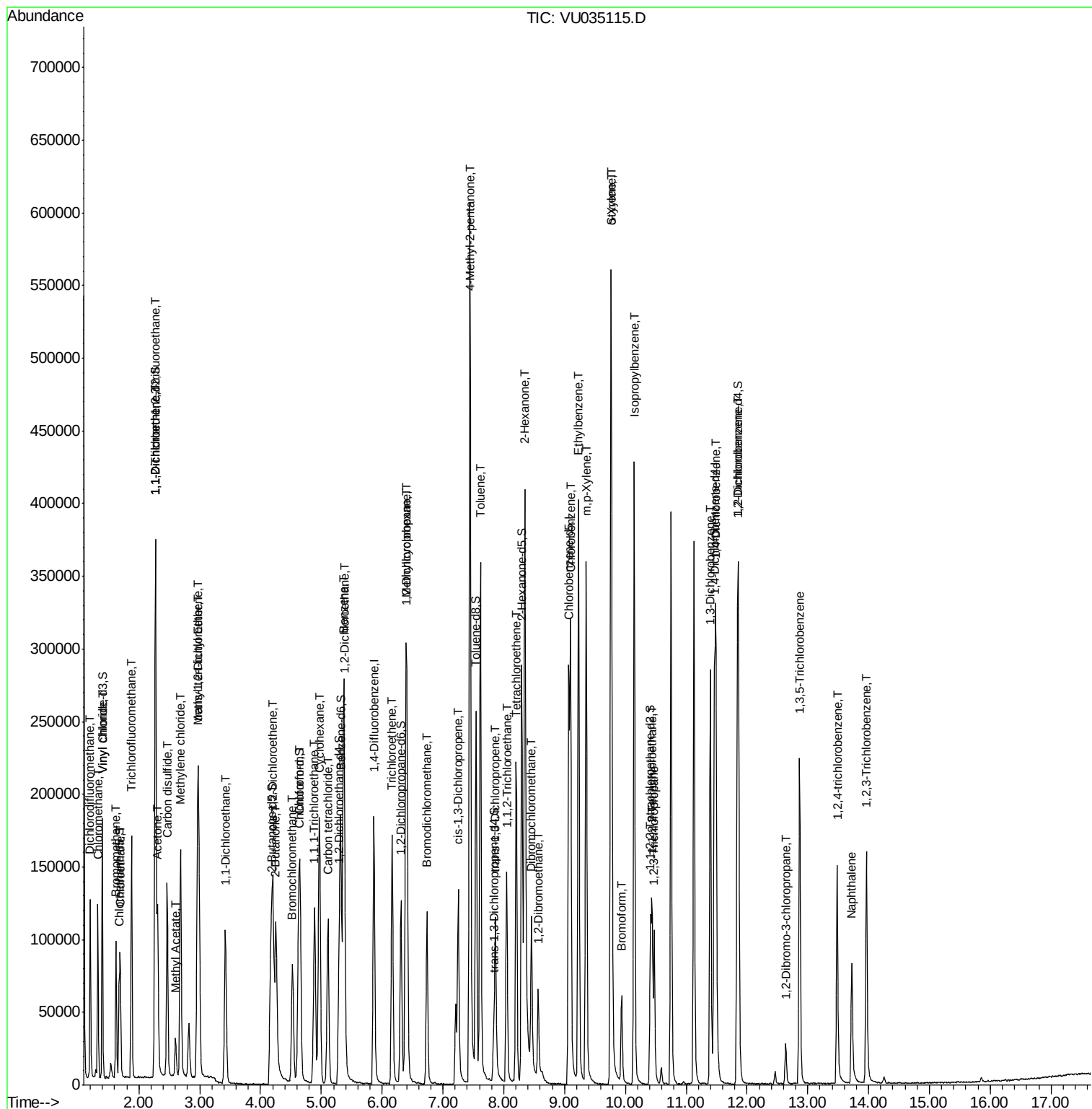
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	26852	5.521	ug/L	93
25) Chloroform	4.65	83	117018	5.037	ug/L	97
27) 1,2-Dichloroethane	5.39	62	73385	5.408	ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	91973	5.213	ug/L	97
30) Cyclohexane	4.97	56	89978	4.639	ug/L	95
31) Carbon tetrachloride	5.11	117	80462	5.260	ug/L	97
33) Benzene	5.37	78	239201	5.056	ug/L	100
34) Trichloroethene	6.16	95	61410	5.033	ug/L	97
35) Methylcyclohexane	6.39	83	86675	4.386	ug/L	93
37) 1,2-Dichloropropane	6.41	63	67423	5.283	ug/L	99
38) Bromodichloromethane	6.74	83	80204	5.361	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	80950	4.682	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	433376	53.953	ug/L	94
42) Toluene	7.62	91	264785	5.361	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	67187	5.017	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	45329	5.349	ug/L	94
47) Tetrachloroethene	8.21	164	48836	4.945	ug/L	94
48) 2-Hexanone	8.35	43	305894	55.543	ug/L	94
49) Dibromochloromethane	8.46	129	53212	5.433	ug/L	94
50) 1,2-Dibromoethane	8.57	107	43295	5.346	ug/L	98
51) Chlorobenzene	9.10	112	165565	5.173	ug/L	98
52) Ethylbenzene	9.23	91	278190	5.100	ug/L	99
53) m,p-Xylene	9.36	106	103297	5.127	ug/L	96
54) o-Xylene	9.76	106	102626	5.208	ug/L	94
55) Styrene	9.77	104	173173	5.427	ug/L	100
56) Isopropylbenzene	10.15	105	268807	5.121	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	63549	5.514	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	44854	5.430	ug/L	98
61) Bromoform	9.94	173	29937	5.637	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	123807	5.190	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	123967	5.149	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	120494	5.235	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.64	75	7522	5.142	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	77747	4.813	ug/L	97
68) 1,2,4-trichlorobenzene	13.49	180	52847	4.381	ug/L	97
69) Naphthalene	13.72	128	81392	4.339	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	55852	4.761	ug/L	99

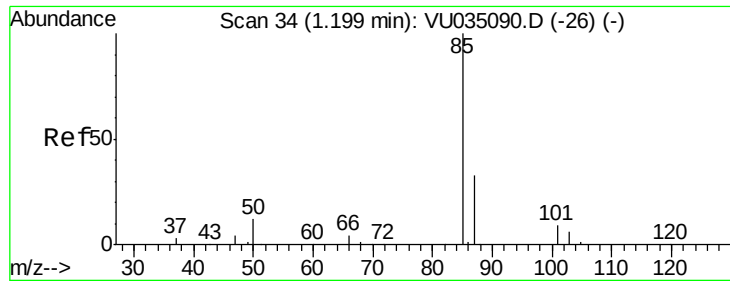
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.152 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

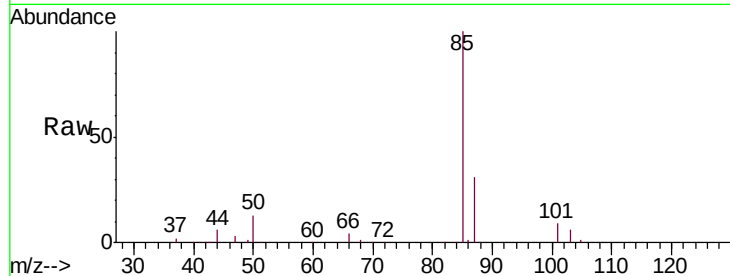
VSTD00516

Tgt Ion: 85 Resp: 71217

Ion Ratio Lower Upper

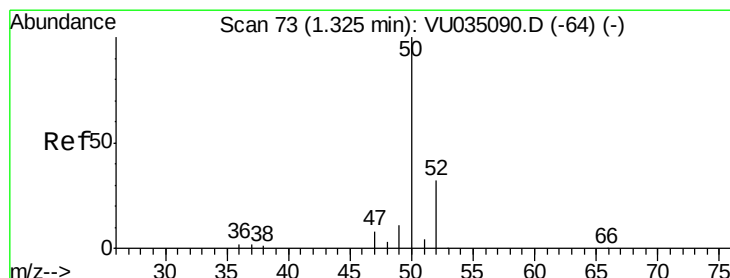
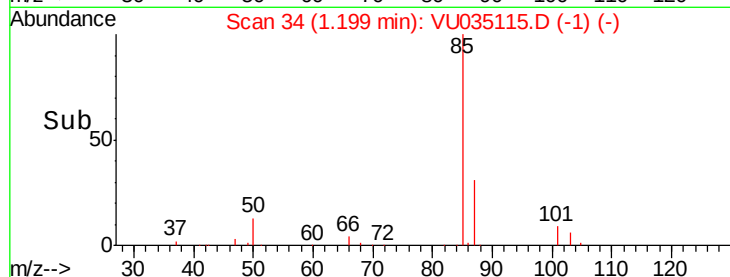
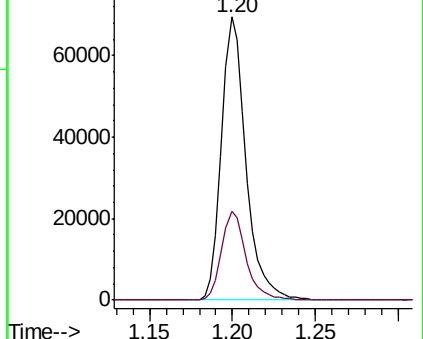
85 100

87 31.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU035090.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU035090.D (-26) (-)



#3

Chloromethane

Concen: 5.013 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU035115.D

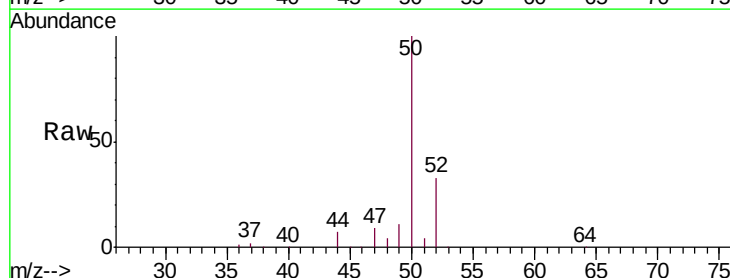
Acq: 12 Oct 2019 02:03

Tgt Ion: 50 Resp: 76020

Ion Ratio Lower Upper

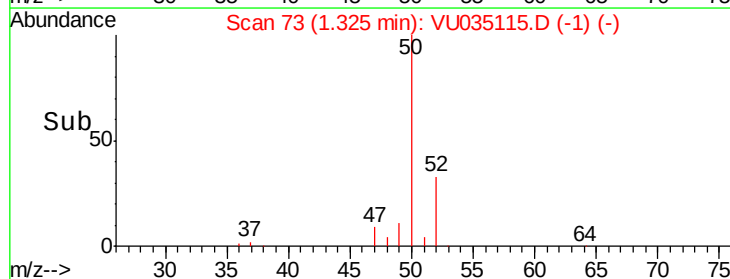
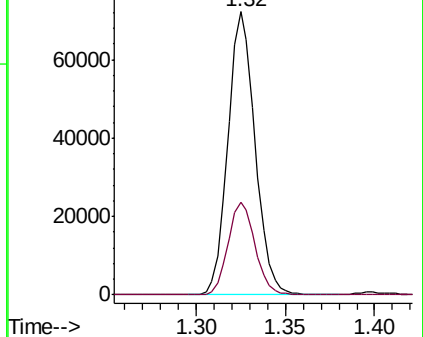
50 100

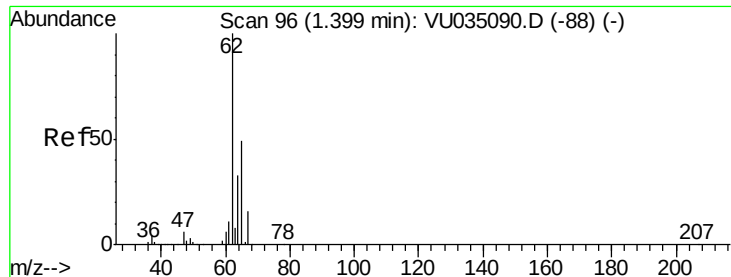
52 32.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035090.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035090.D (-64) (-)





#5

Vinyl chloride

Concen: 5.175 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

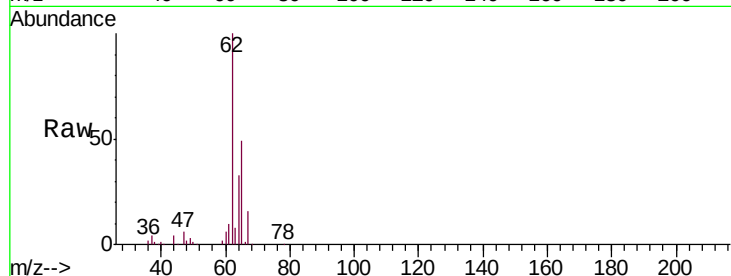
VSTD00516

Tgt Ion: 62 Resp: 77092

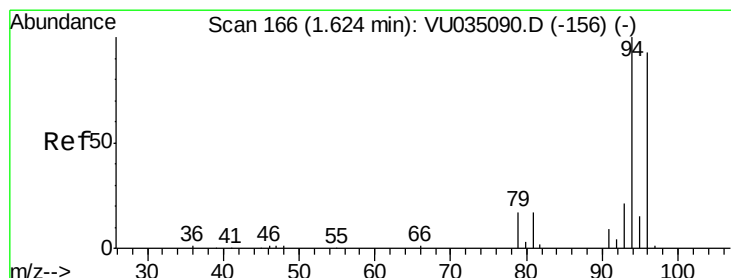
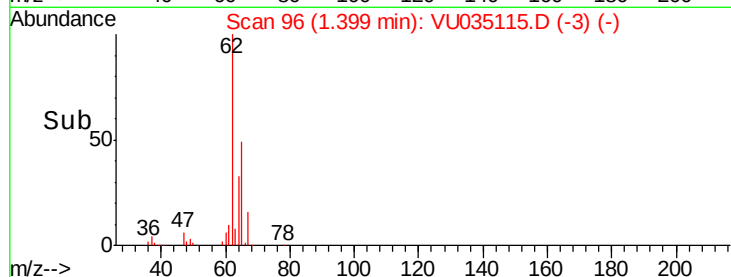
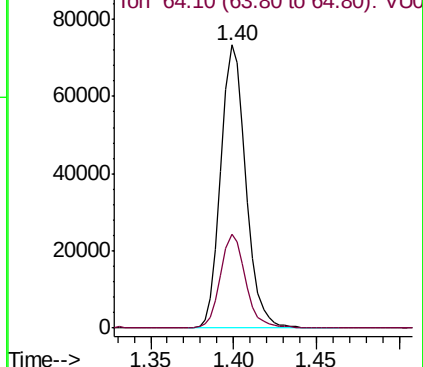
Ion Ratio Lower Upper

62 100

64 33.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU035090.D (-88) (-)



#6

Bromomethane

Concen: 4.895 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035115.D

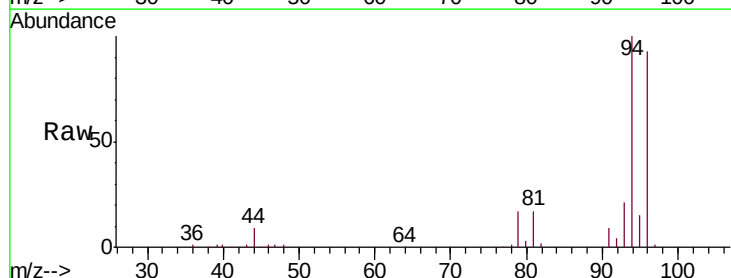
Acq: 12 Oct 2019 02:03

Tgt Ion: 94 Resp: 40530

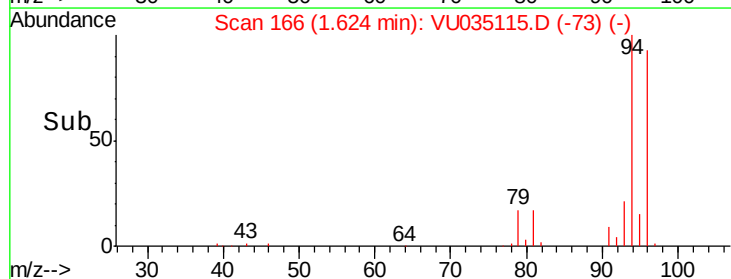
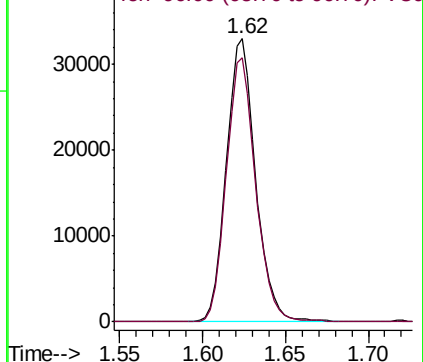
Ion Ratio Lower Upper

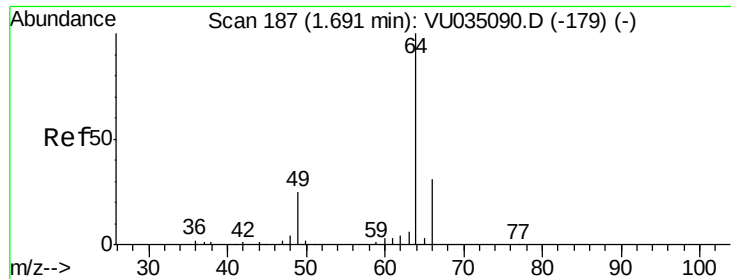
94 100

96 93.4 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU035090.D (-156) (-)

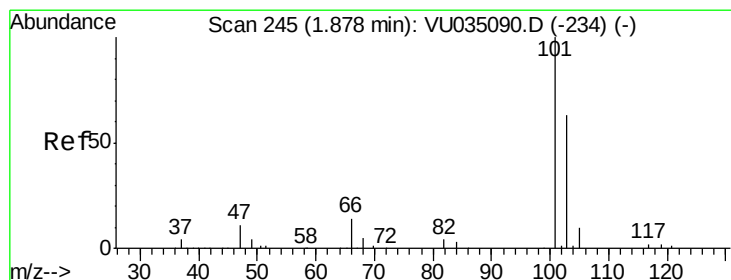
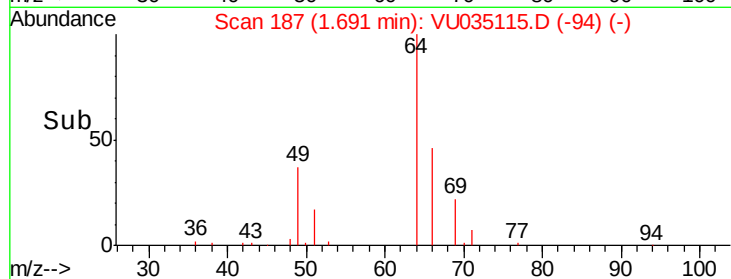
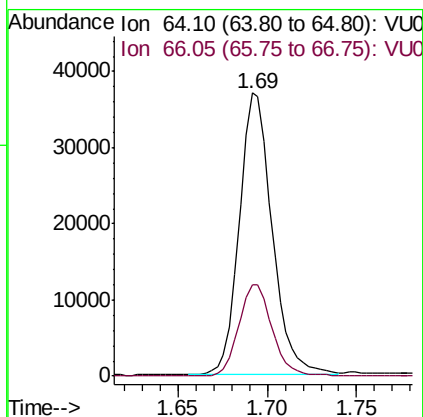
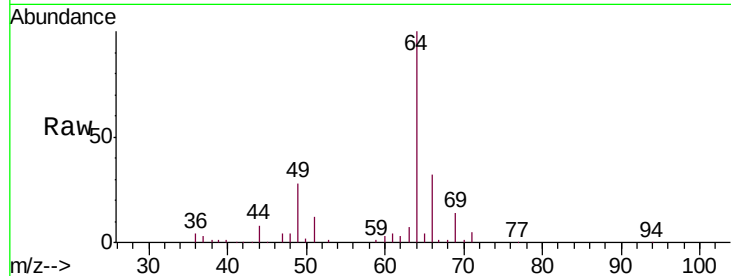




#8
Chloroethane
Concen: 5.289 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

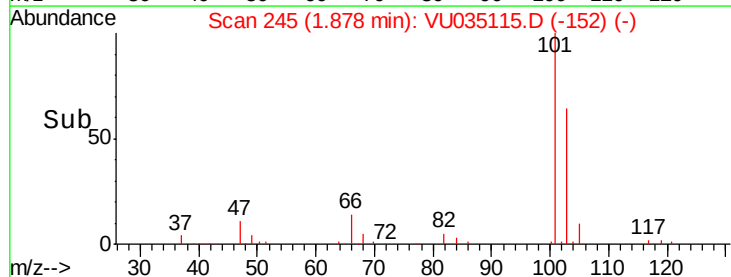
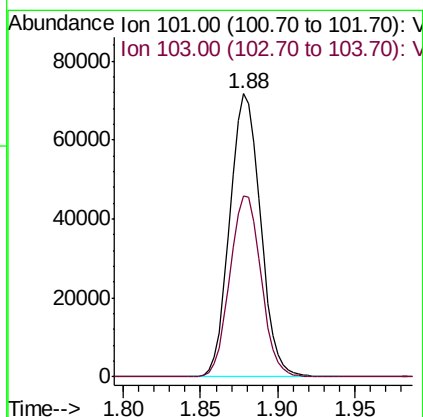
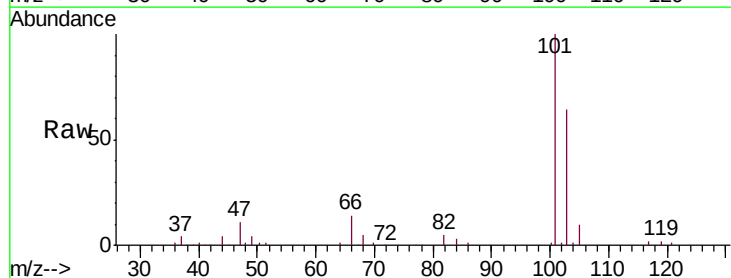
Instrument :
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VSTD00516

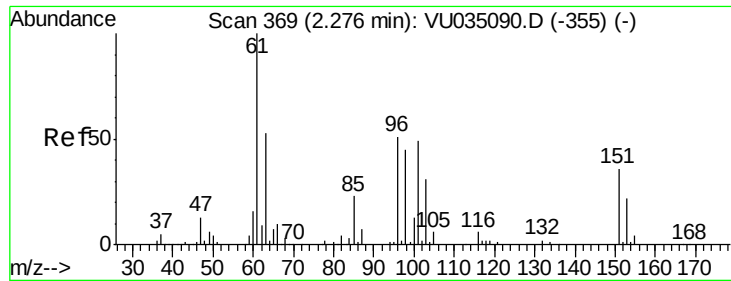
Tgt Ion: 64 Resp: 47252
Ion Ratio Lower Upper
64 100
66 32.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.473 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

Tgt Ion: 101 Resp: 98595
Ion Ratio Lower Upper
101 100
103 64.9 52.2 78.4





#10

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

Concen: 5.291 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

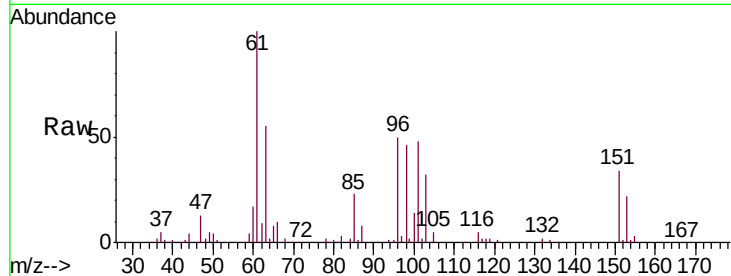
Tgt Ion:101 Resp: 54735

Ion Ratio Lower Upper

101 100

85 47.5 37.4 56.0

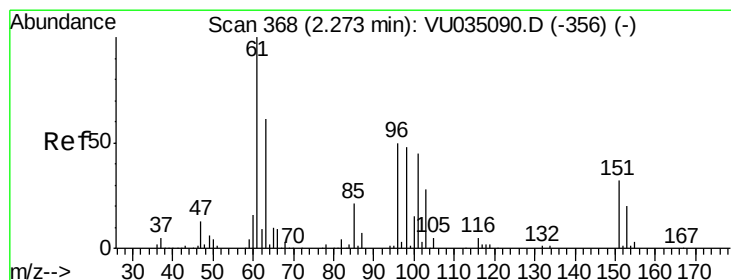
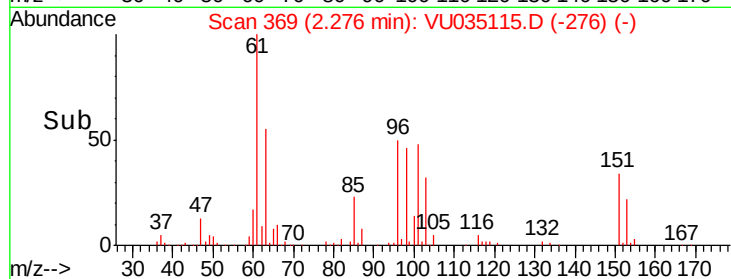
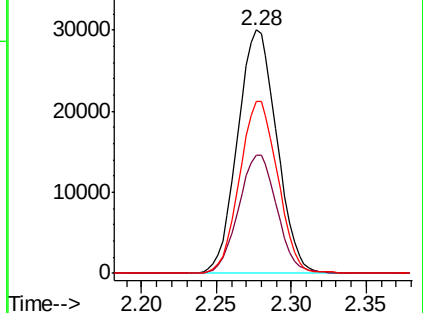
151 68.8 58.6 87.8



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: 5.248 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

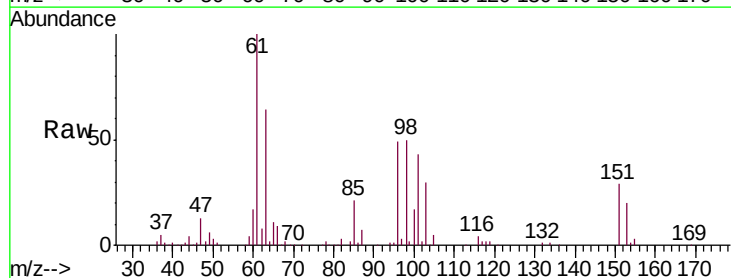
Tgt Ion: 96 Resp: 50989

Ion Ratio Lower Upper

96 100

61 203.9 129.3 240.1

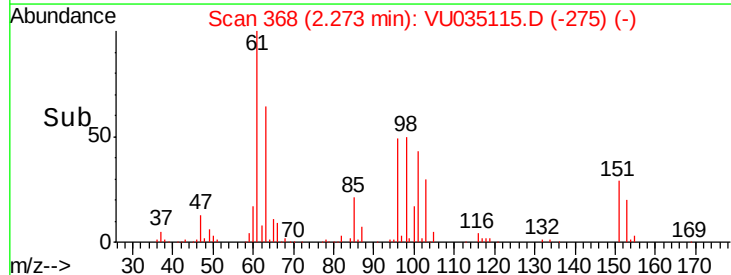
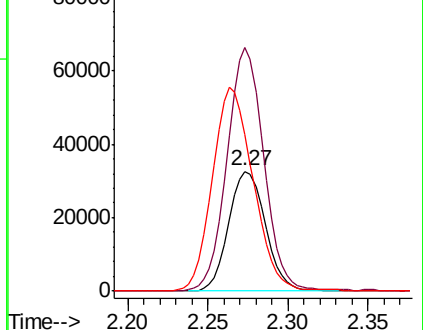
63 131.3 108.9 202.3

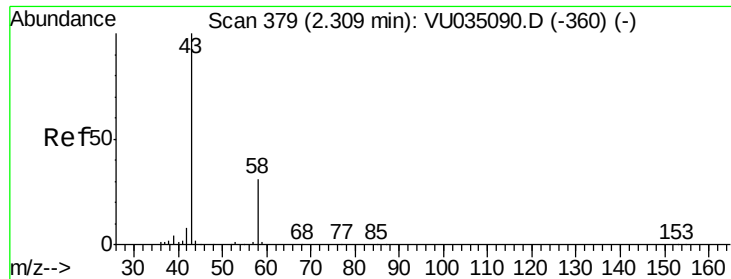


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.761 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

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ClientSampleId :

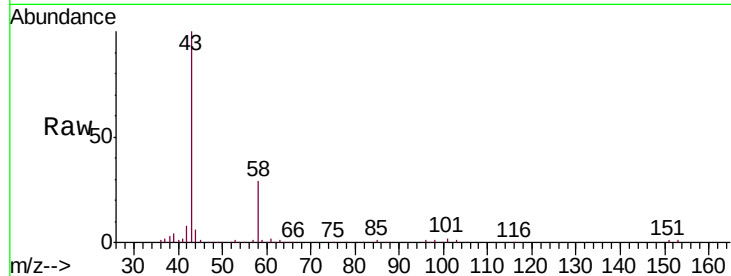
VSTD00516

Tgt Ion: 43 Resp: 118103

Ion Ratio Lower Upper

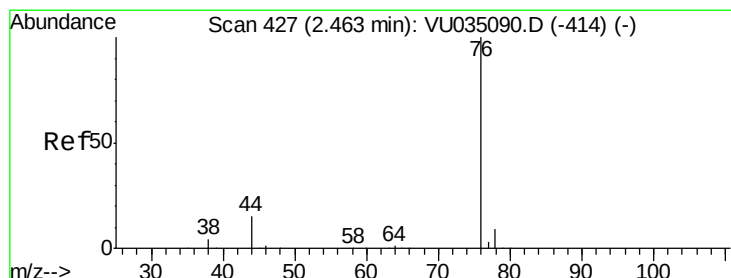
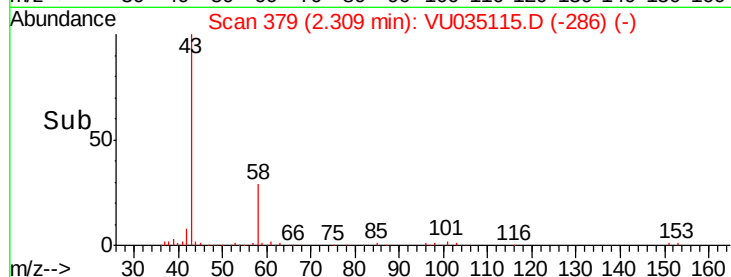
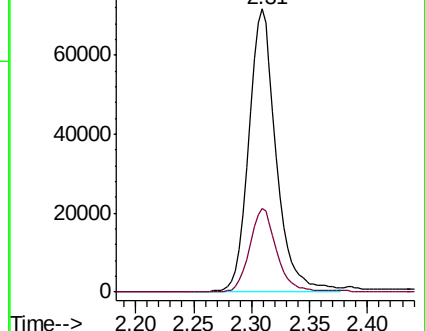
43 100

58 29.7 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035090.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU035090.D (-360) (-)



#14

Carbon disulfide

Concen: 4.965 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035115.D

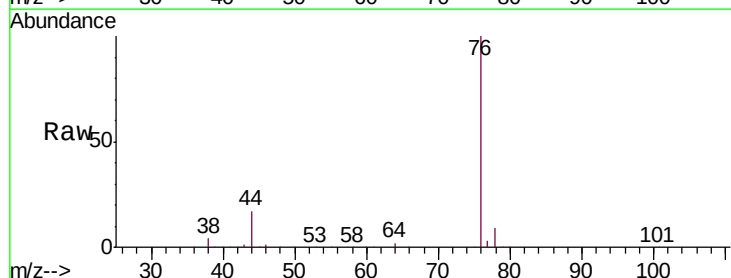
Acq: 12 Oct 2019 02:03

Tgt Ion: 76 Resp: 160532

Ion Ratio Lower Upper

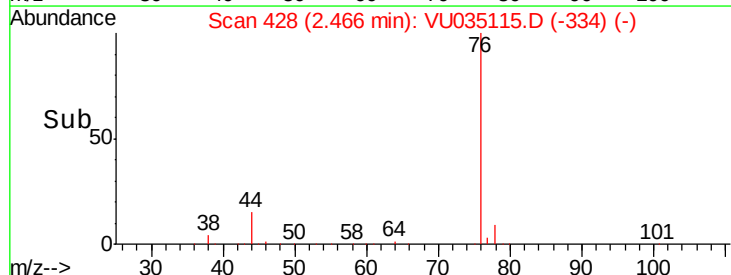
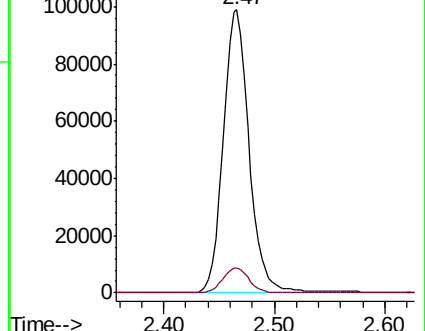
76 100

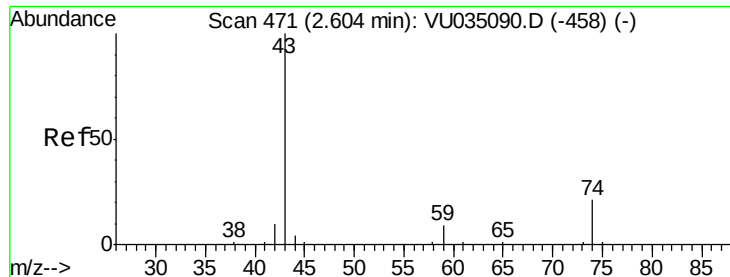
78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU035090.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU035090.D (-414) (-)

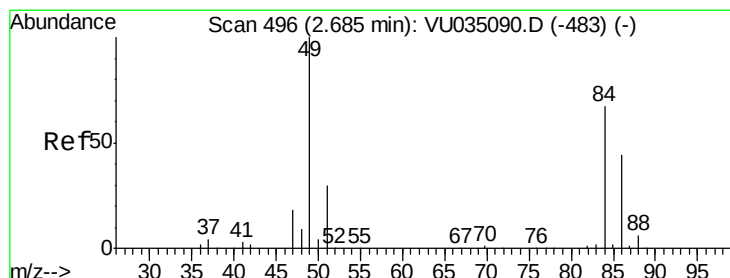
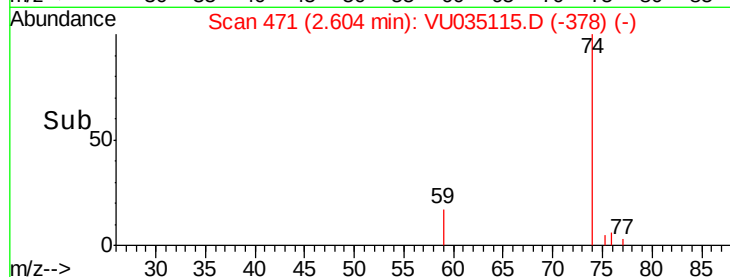
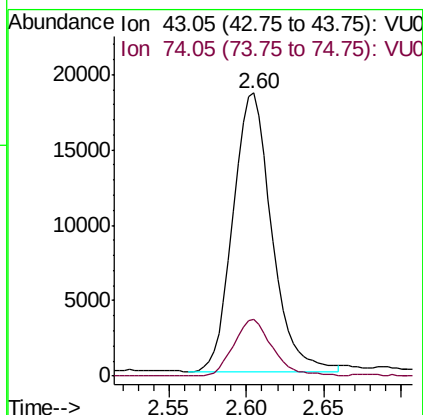
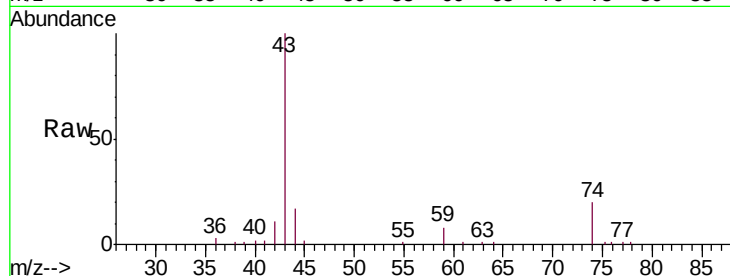




#15
Methyl Acetate
Concen: 5.627 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

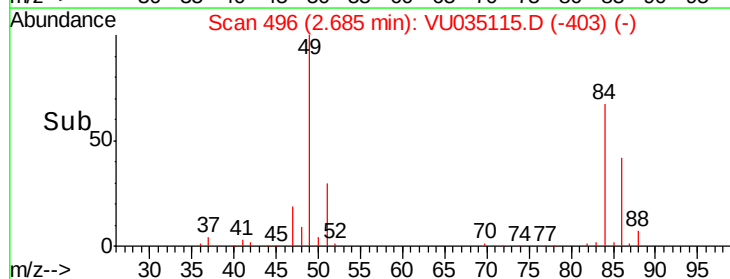
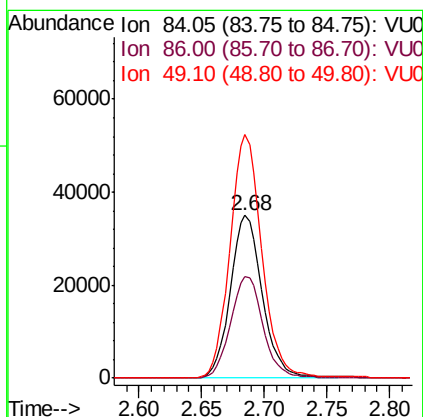
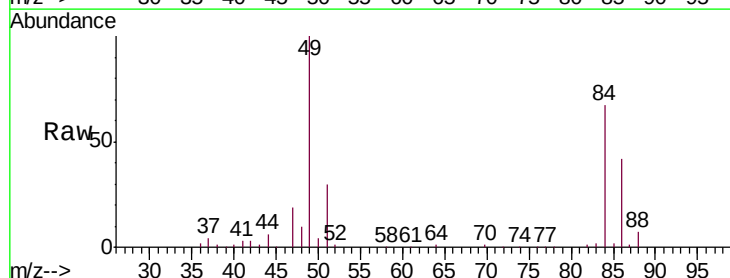
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

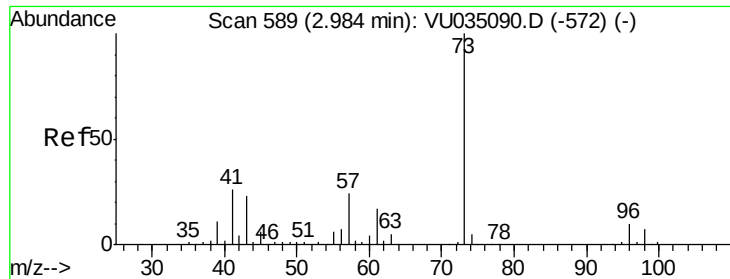
Tgt Ion: 43 Resp: 32308
Ion Ratio Lower Upper
43 100
74 20.4 17.8 26.8



#16
Methylene chloride
Concen: 5.156 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

Tgt Ion: 84 Resp: 62019
Ion Ratio Lower Upper
84 100
86 62.5 42.5 78.9
49 149.5 86.9 161.3

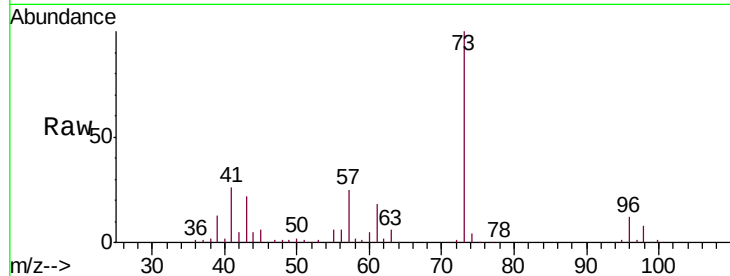




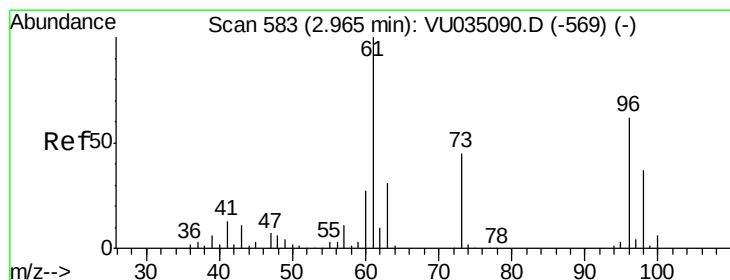
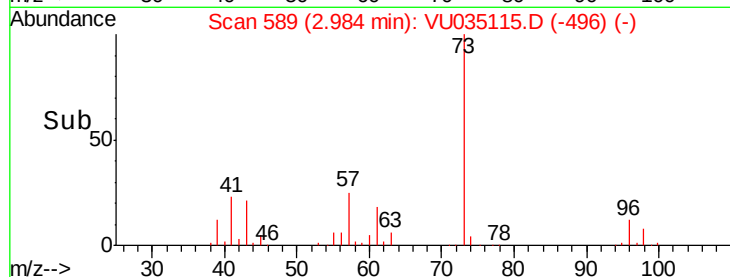
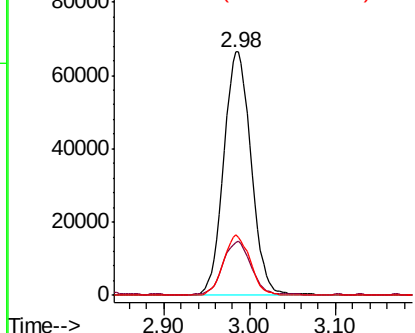
#17
Methyl tert-butyl Ether
Concen: 5.571 ug/L
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tgt Ion: 73 Resp: 147672
Ion Ratio Lower Upper
73 100
43 22.3 16.3 24.5
57 24.1 18.6 28.0

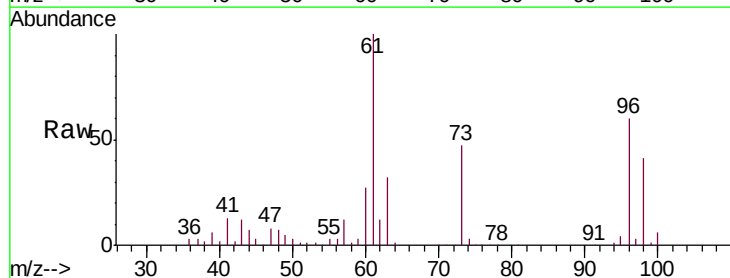


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

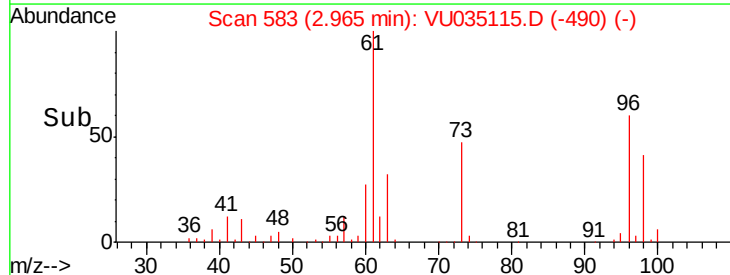
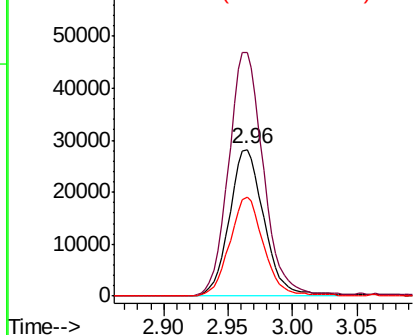


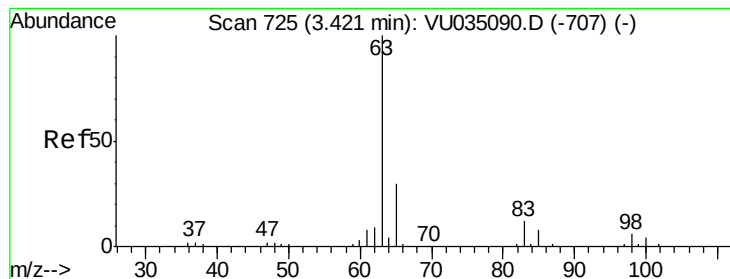
#18
trans-1,2-Dichloroethene
Concen: 5.068 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

Tgt Ion: 96 Resp: 52728
Ion Ratio Lower Upper
96 100
61 165.9 107.1 198.9
98 67.7 45.4 84.4



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





#19

1,1-Dichloroethane

Concen: 5.605 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

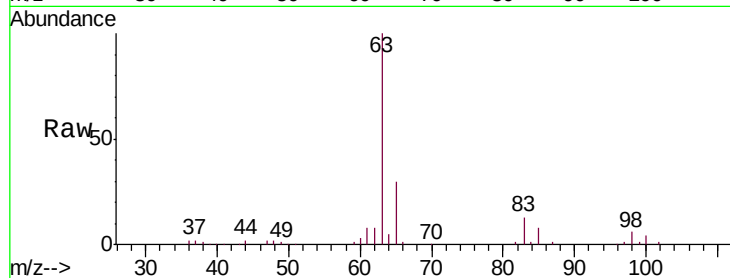
Tgt Ion: 63 Resp: 115904

Ion Ratio Lower Upper

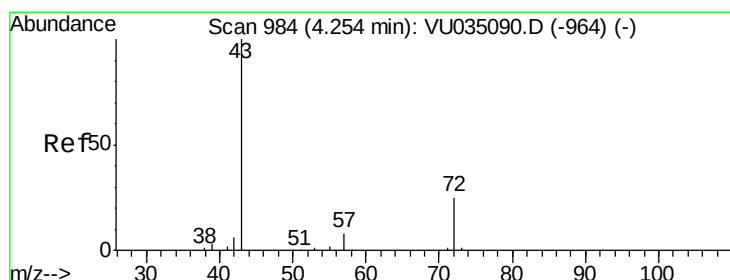
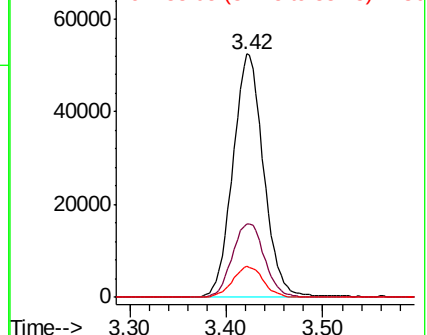
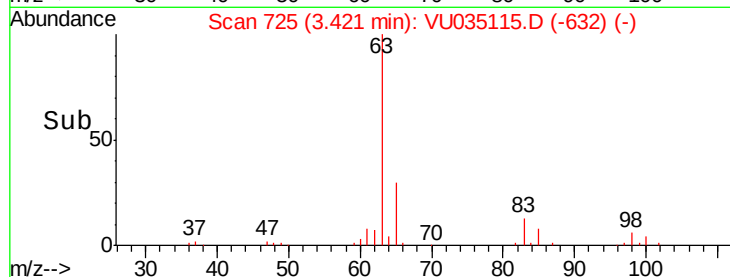
63 100

65 30.2 21.7 40.3

83 12.7 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU035115.D (-632) (-)



#21

2-Butanone

Concen: 54.060 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU035115.D

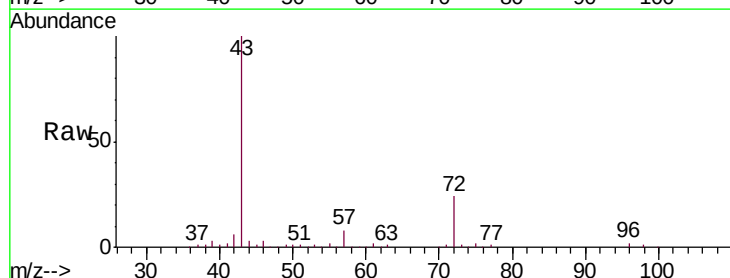
Acq: 12 Oct 2019 02:03

Tgt Ion: 43 Resp: 166035

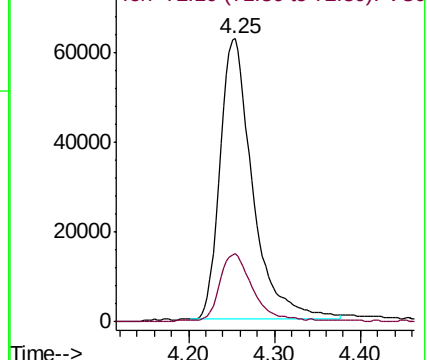
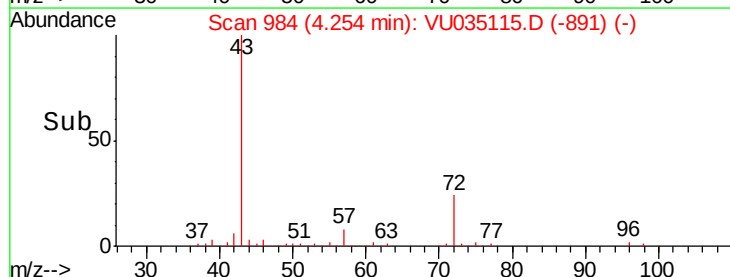
Ion Ratio Lower Upper

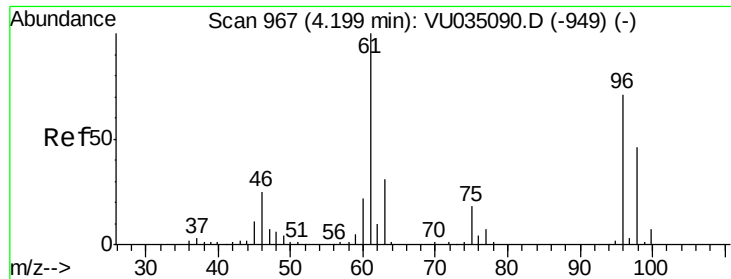
43 100

72 23.3 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU035115.D (-891) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.117 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

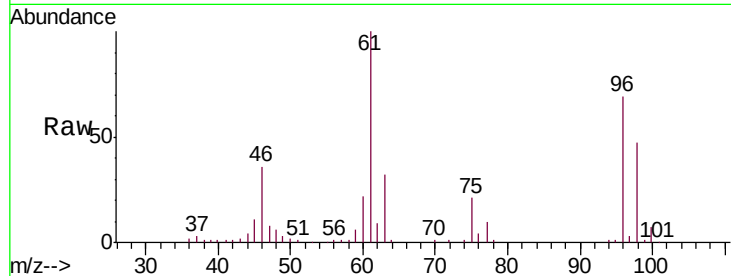
Tgt Ion: 96 Resp: 59388

Ion Ratio Lower Upper

96 100

61 145.2 89.2 165.6

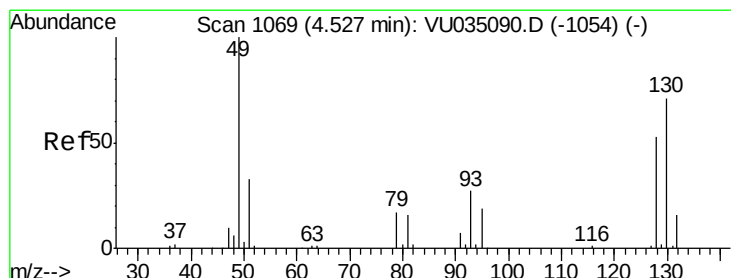
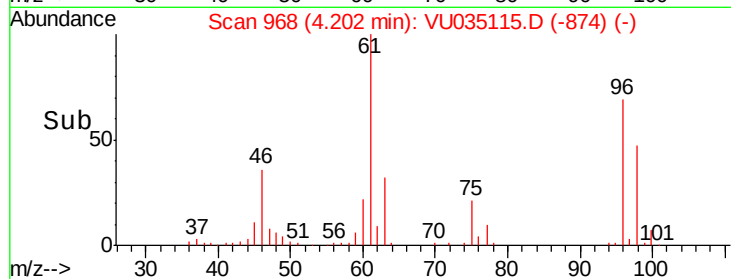
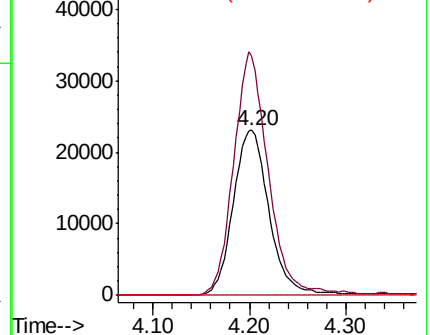
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035115.D (-976) (-)

Ion 61.05 (60.75 to 61.75): VU035115.D (-976) (-)

Ion 68.15 (67.85 to 68.85): VU035115.D (-976) (-)



#23

Bromochloromethane

Concen: 5.521 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Tgt Ion: 128 Resp: 26852

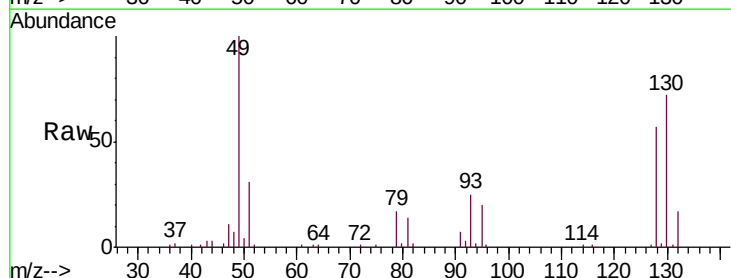
Ion Ratio Lower Upper

128 100

49 176.6 110.5 205.3

130 127.3 88.6 164.6

51 54.9 43.2 64.8

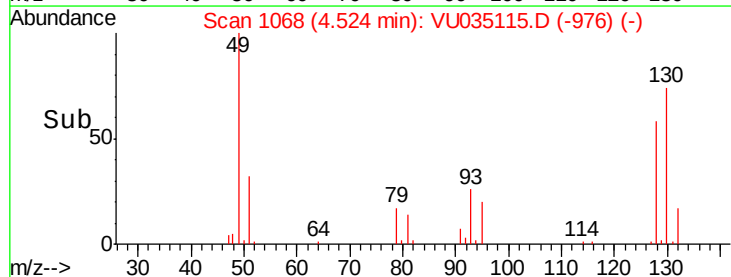
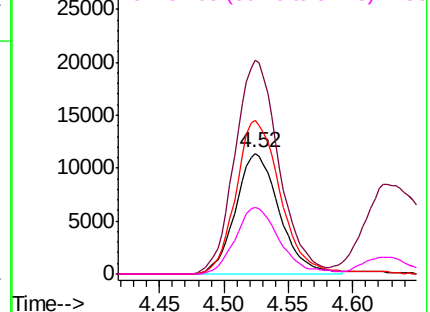


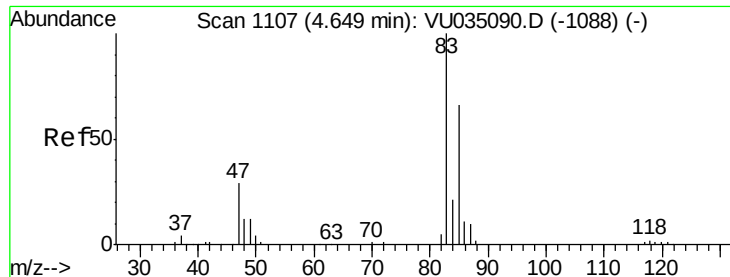
Abundance Ion 127.90 (127.60 to 128.60): VU035115.D (-976) (-)

Ion 49.10 (48.80 to 49.80): VU035115.D (-976) (-)

Ion 129.95 (129.65 to 130.65): VU035115.D (-976) (-)

Ion 51.05 (50.75 to 51.75): VU035115.D (-976) (-)





#25

Chloroform

Concen: 5.037 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

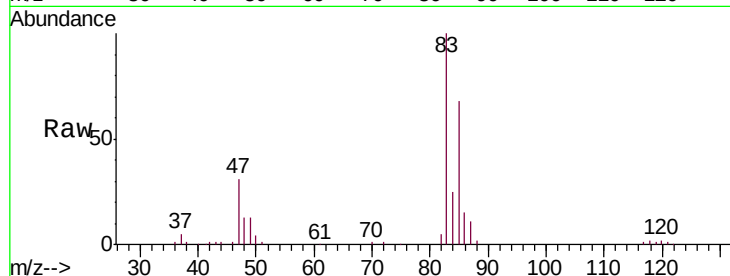
VSTD00516

Tgt Ion: 83 Resp: 117018

Ion Ratio Lower Upper

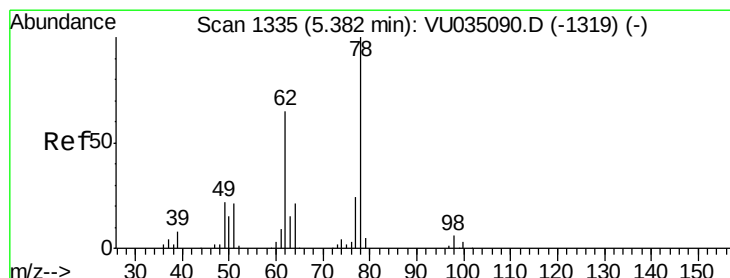
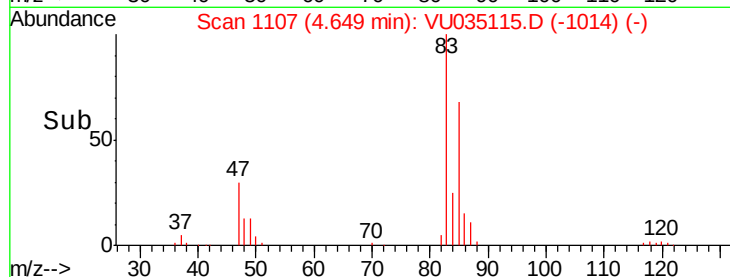
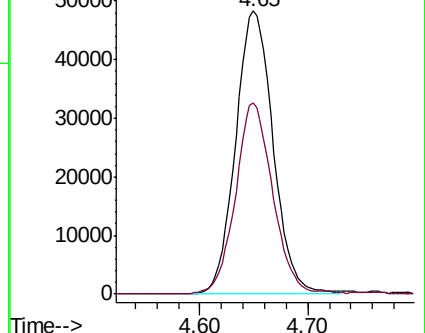
83 100

85 67.5 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035090.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035090.D (-1088) (-)



#27

1,2-Dichloroethane

Concen: 5.408 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU035115.D

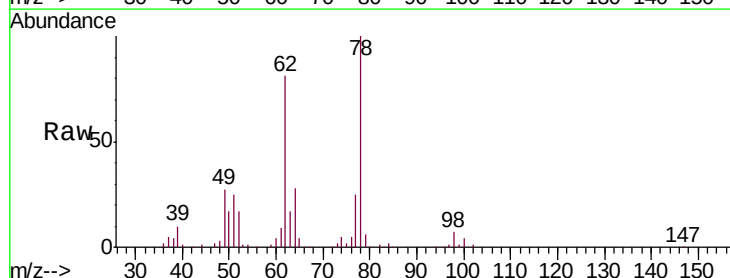
Acq: 12 Oct 2019 02:03

Tgt Ion: 62 Resp: 73385

Ion Ratio Lower Upper

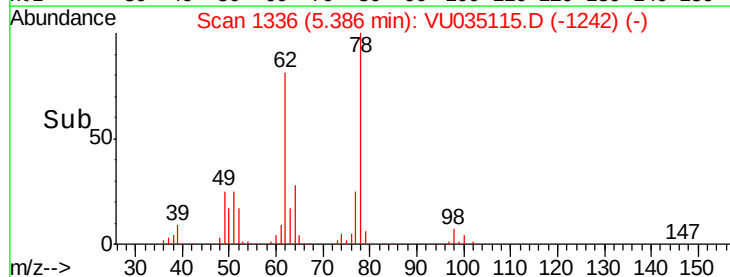
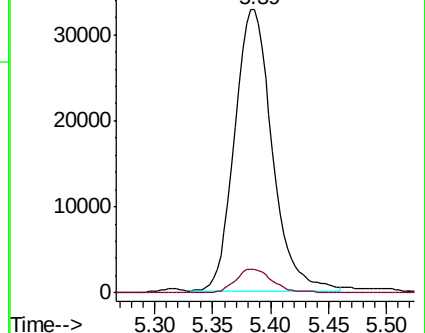
62 100

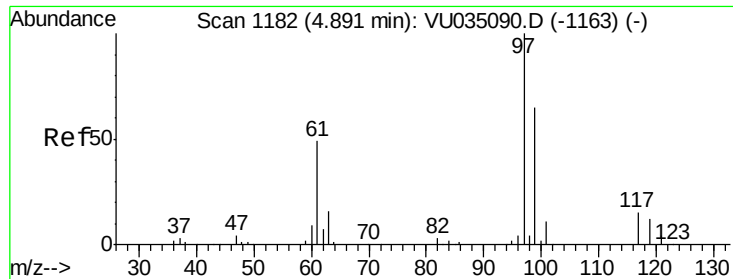
98 8.2 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VU035090.D (-1319) (-)

Ion 98.05 (97.75 to 98.75): VU035090.D (-1319) (-)

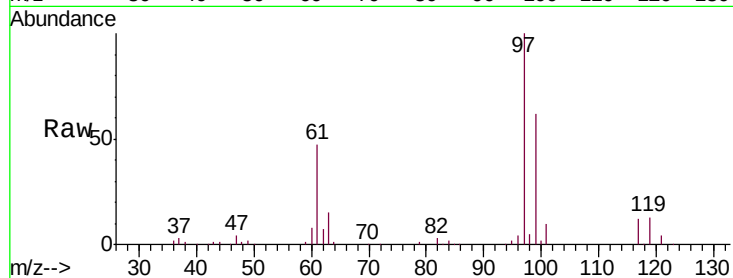




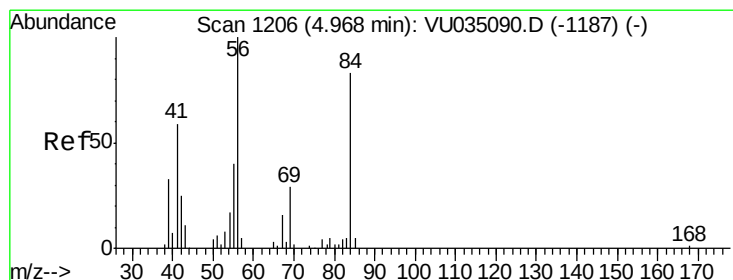
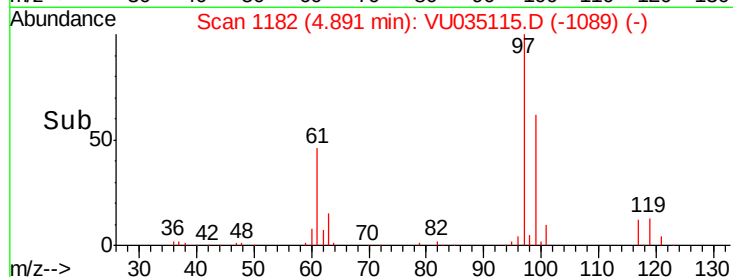
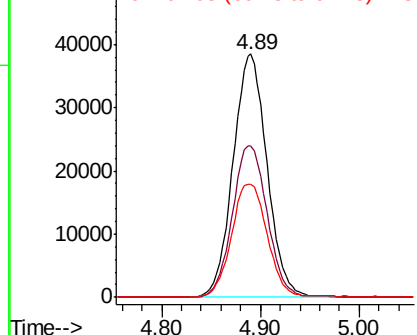
#29
 1,1,1-Trichloroethane
 Concen: 5.213 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion: 97 Resp: 91973
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.6 77.4
 61 49.0 36.2 54.4

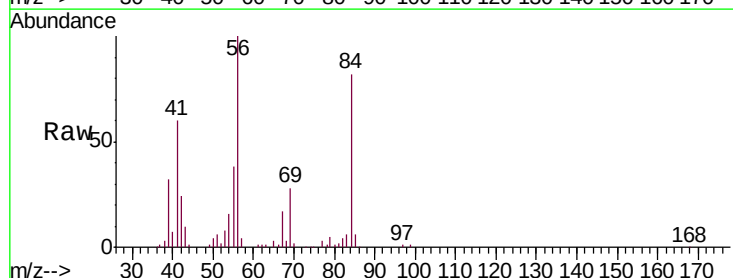


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

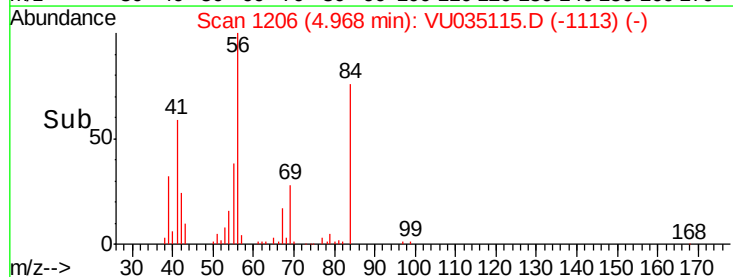
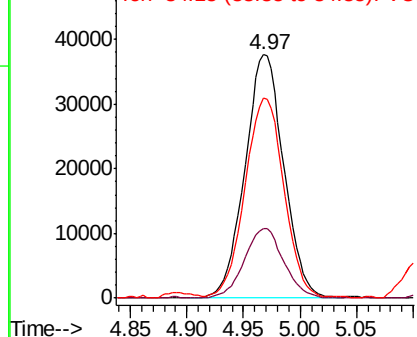


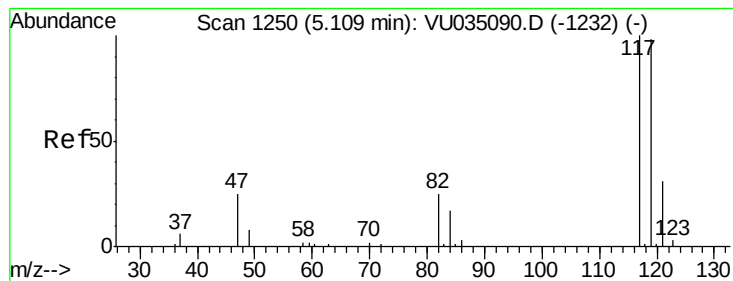
#30
 Cyclohexane
 Concen: 4.639 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

Tgt Ion: 56 Resp: 89978
 Ion Ratio Lower Upper
 56 100
 69 28.7 23.9 35.9
 84 81.8 69.5 104.3



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: 5.260 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

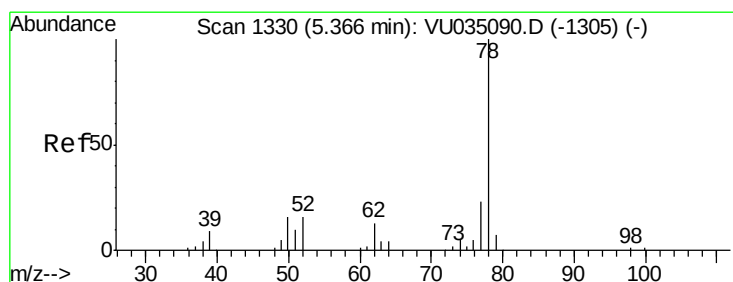
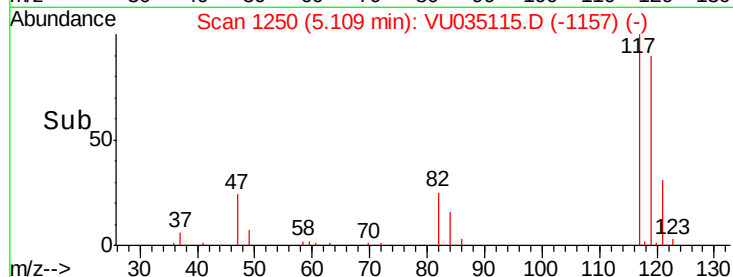
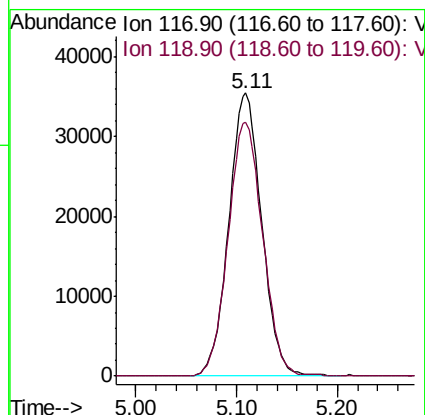
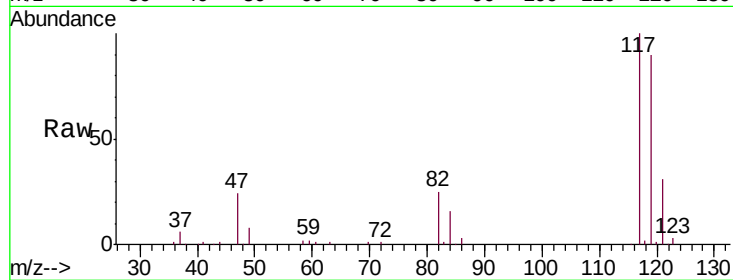
VSTD00516

Tgt Ion:117 Resp: 80462

Ion Ratio Lower Upper

117 100

119 94.2 77.5 116.3



#33

Benzene

Concen: 5.056 ug/L

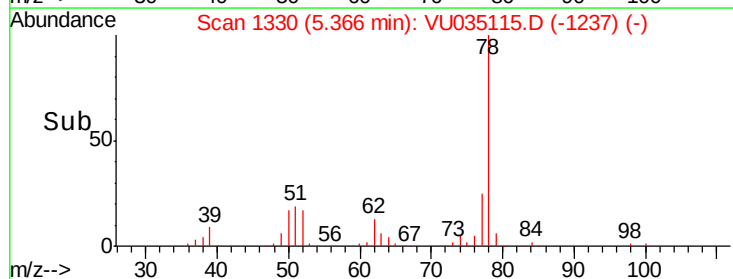
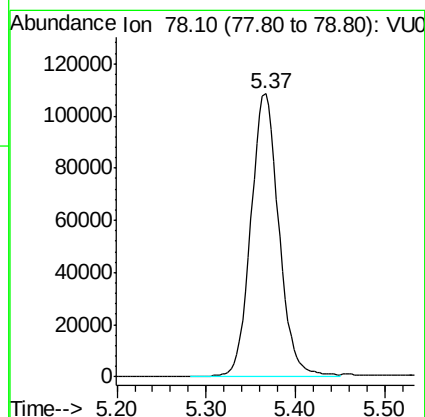
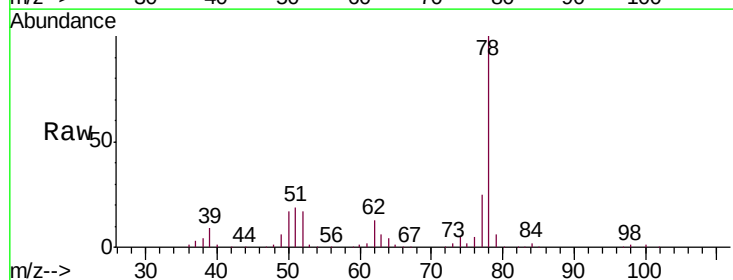
RT: 5.37 min Scan# 1330

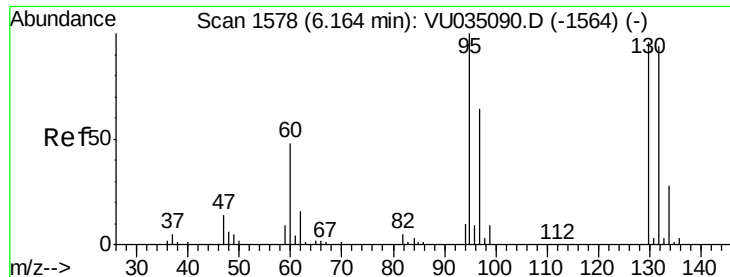
Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Tgt Ion: 78 Resp: 239201





#34

Trichloroethene

Concen: 5.033 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

Tgt Ion: 95 Resp: 61410

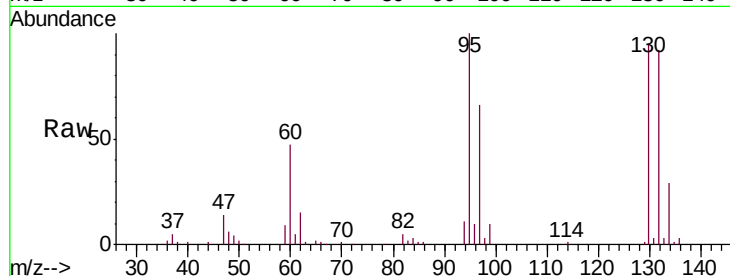
Ion Ratio Lower Upper

95 100

97 66.1 44.5 82.7

132 92.3 66.6 123.8

130 95.4 68.9 127.9

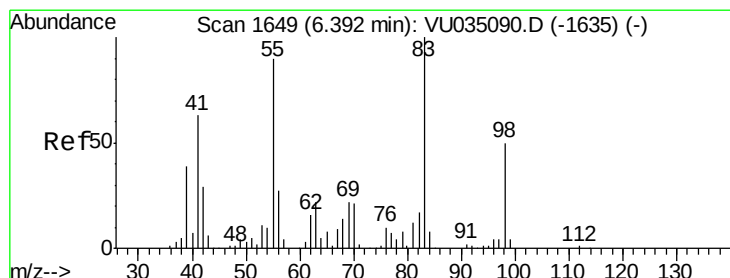
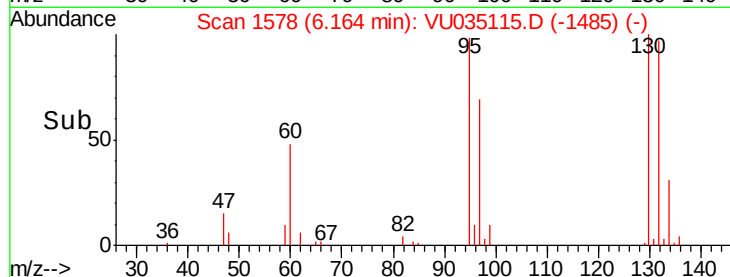
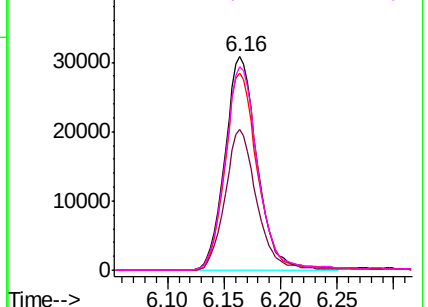


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.386 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

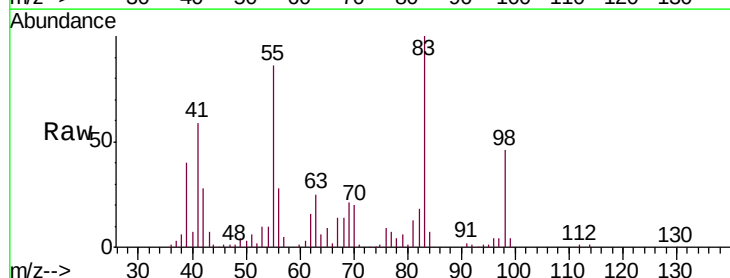
Tgt Ion: 83 Resp: 86675

Ion Ratio Lower Upper

83 100

55 86.4 62.6 94.0

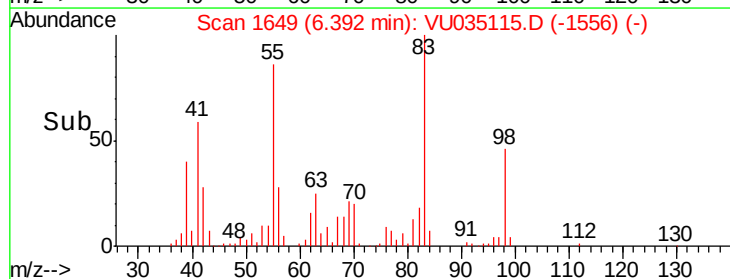
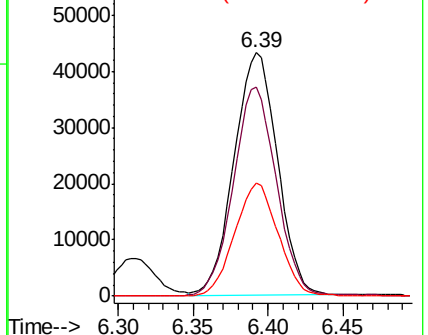
98 46.9 36.2 54.2

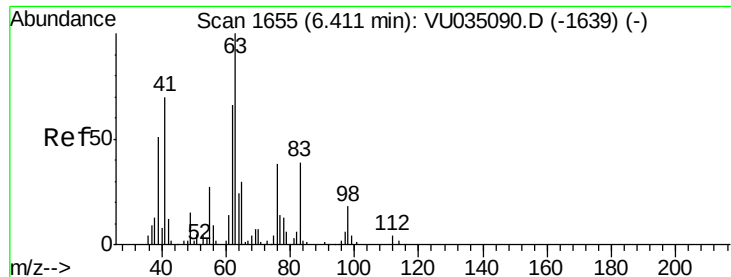


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

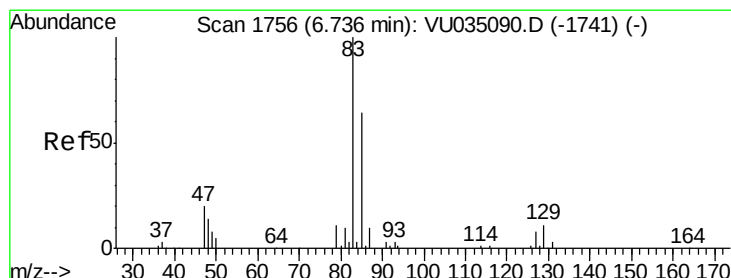
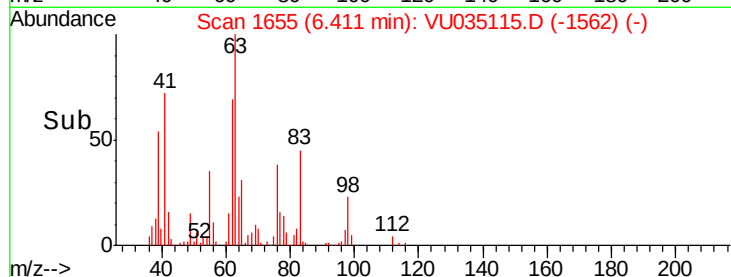
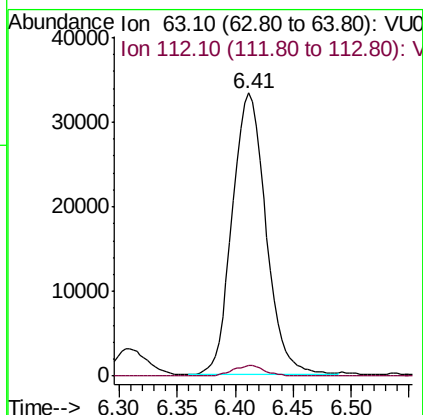
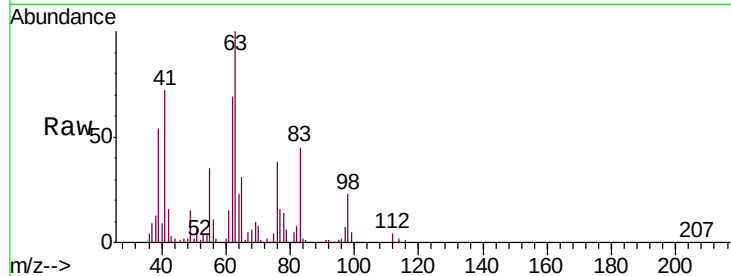




#37
 1,2-Dichloropropane
 Concen: 5.283 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

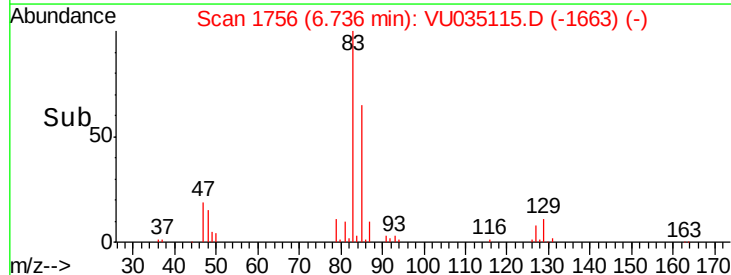
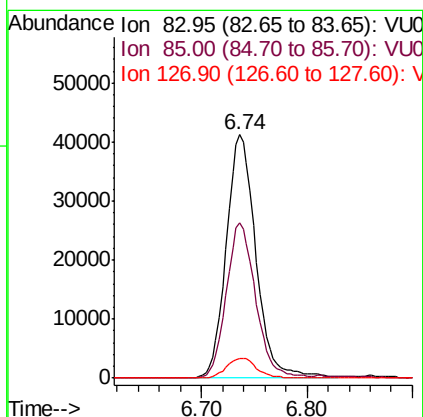
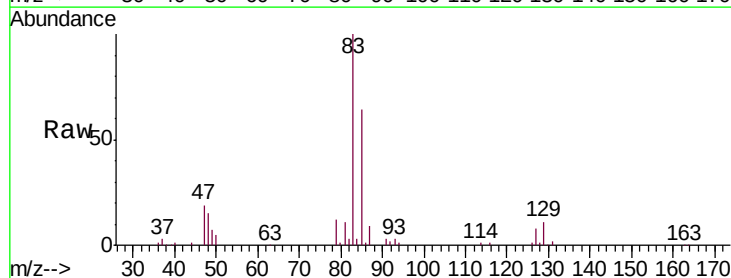
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

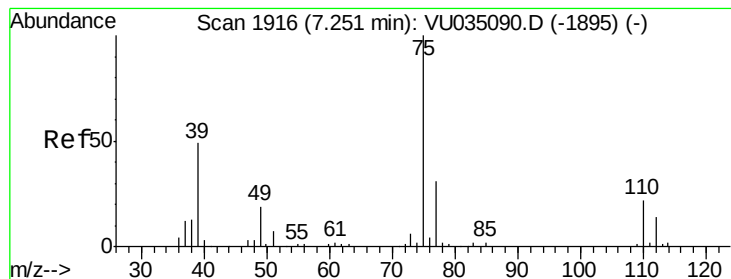
Tgt Ion: 63 Resp: 67423
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.361 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

Tgt Ion: 83 Resp: 80204
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.0 81.8
 127 7.9 7.0 10.4



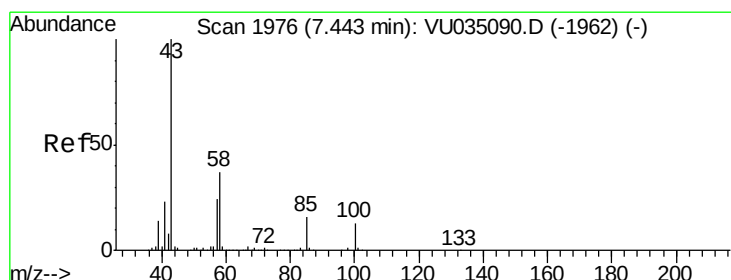
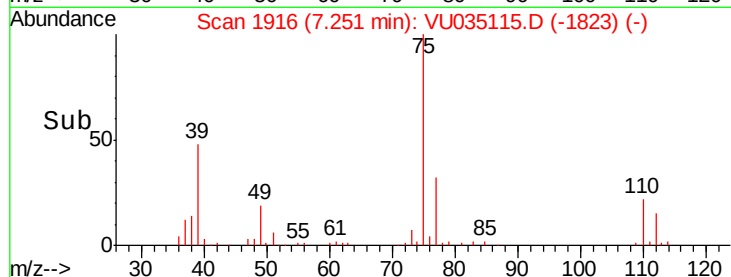
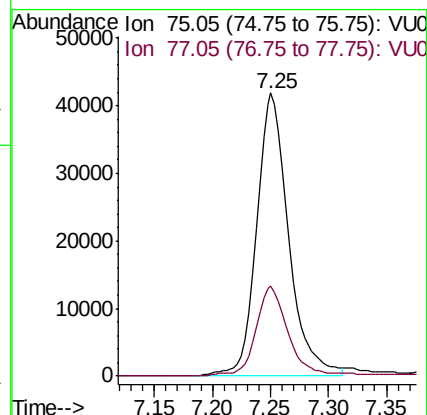
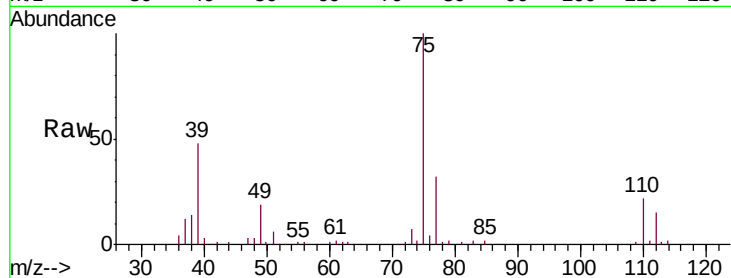


#39

cis-1,3-Dichloropropene
Concen: 4.682 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

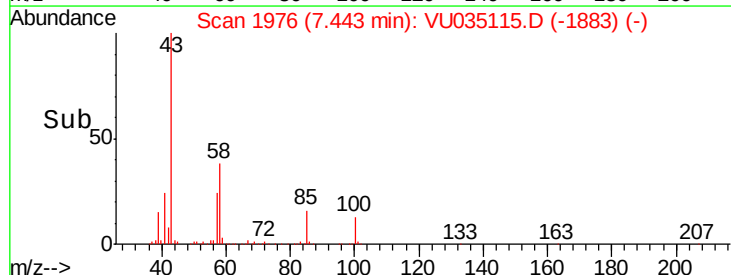
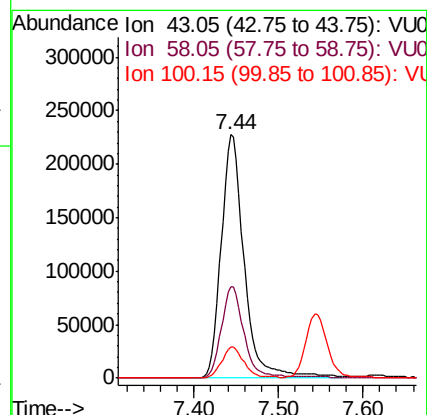
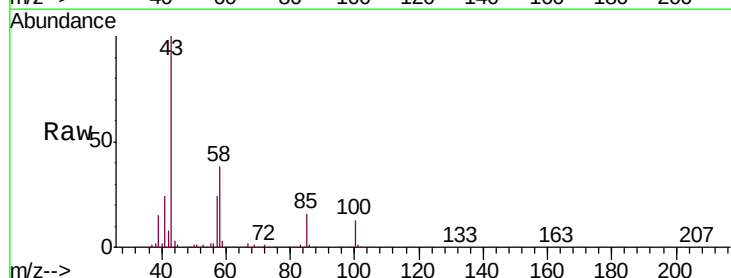
Tgt Ion: 75 Resp: 80950
Ion Ratio Lower Upper
75 100
77 31.8 22.1 41.1

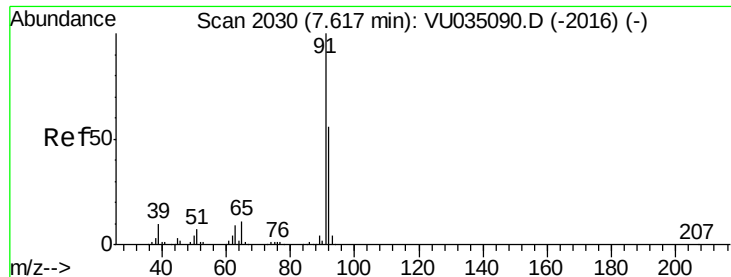


#40

4-Methyl-2-pentanone
Concen: 53.953 ug/L
RT: 7.44 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

Tgt Ion: 43 Resp: 433376
Ion Ratio Lower Upper
43 100
58 36.7 32.4 48.6
100 12.5 11.9 17.9





#42

Toluene

Concen: 5.361 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

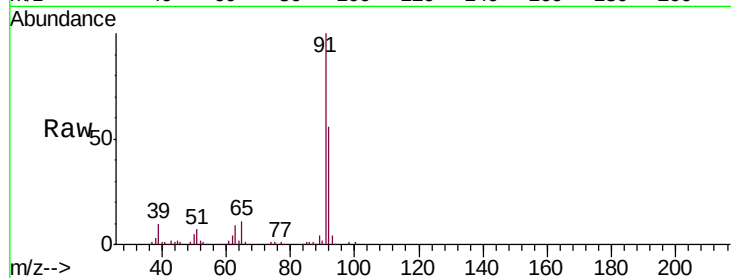
VSTD00516

Tgt Ion: 91 Resp: 264785

Ion Ratio Lower Upper

91 100

92 56.3 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035090.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU035090.D (-2016) (-)

7.62

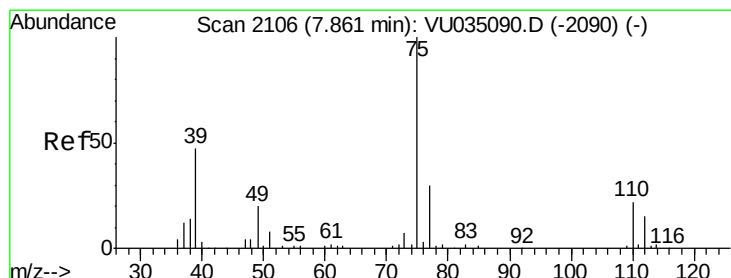
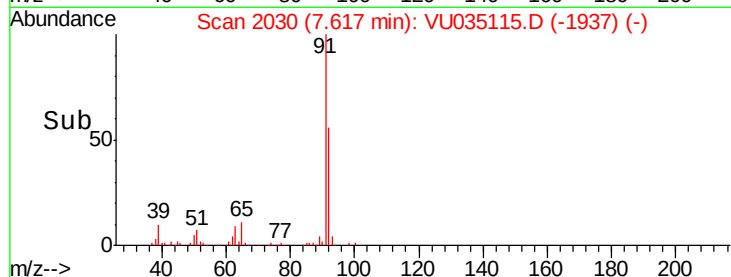
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.017 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU035115.D

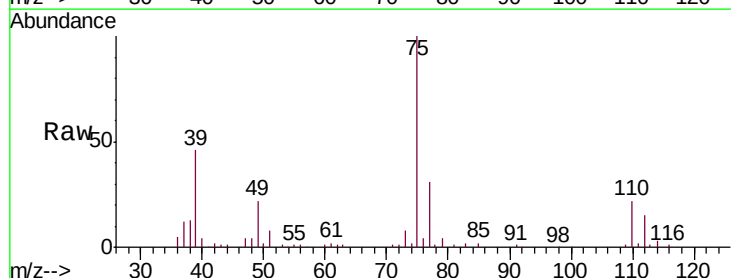
Acq: 12 Oct 2019 02:03

Tgt Ion: 75 Resp: 67187

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU035090.D (-2090) (-)

Ion 77.05 (76.75 to 77.75): VU035090.D (-2090) (-)

7.86

40000

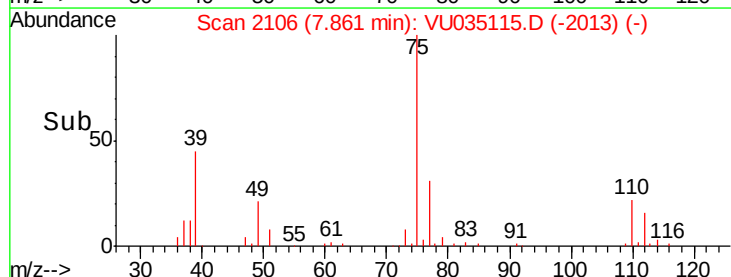
30000

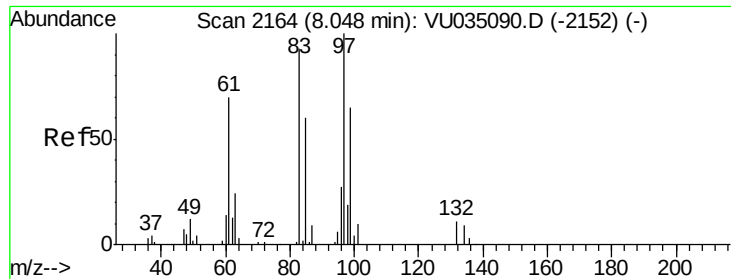
20000

10000

0

Time-->

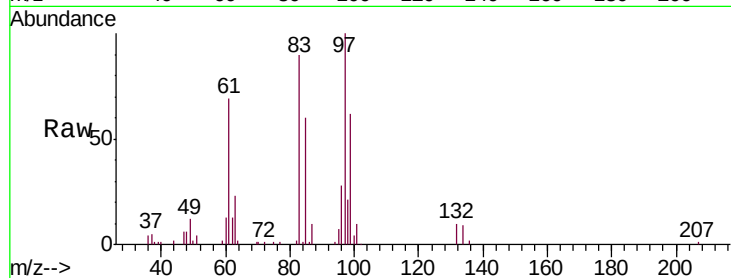




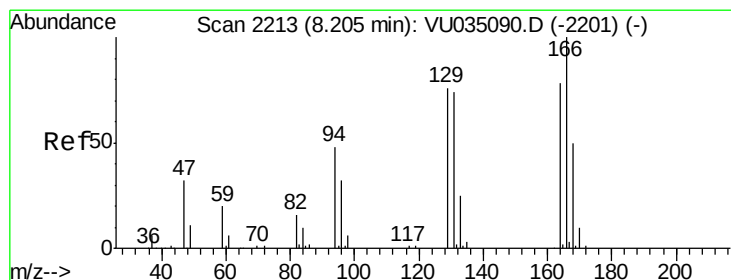
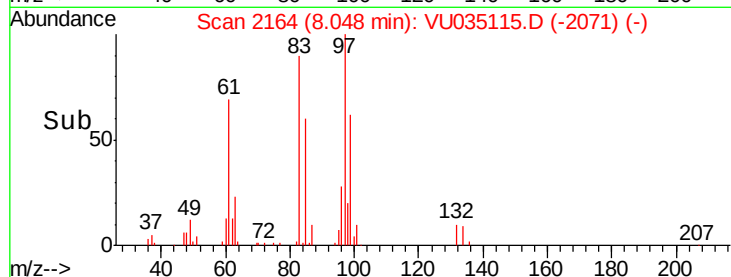
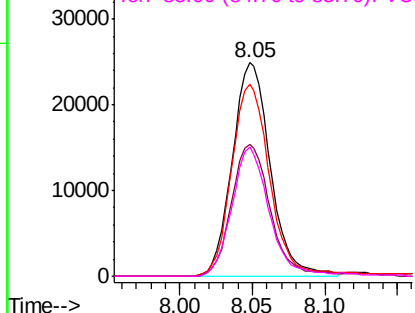
#45
 1,1,2-Trichloroethane
 Concen: 5.349 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion: 97 Resp: 45329
 Ion Ratio Lower Upper
 97 100
 99 61.7 42.3 78.5
 83 89.9 58.0 107.6
 85 60.3 37.8 70.2

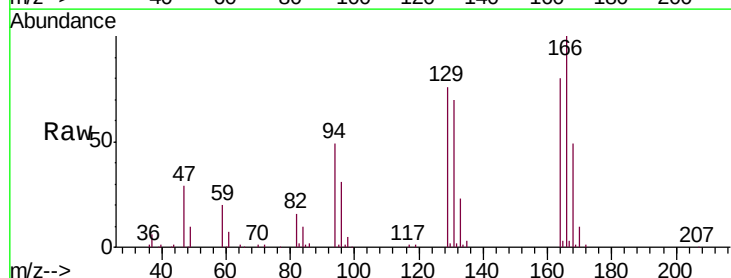


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

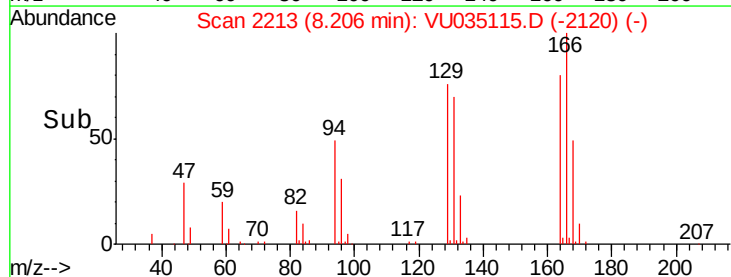
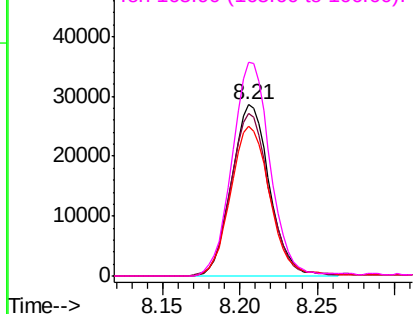


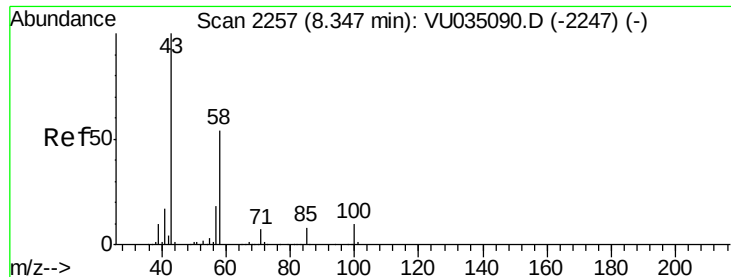
#47
 Tetrachloroethene
 Concen: 4.945 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

Tgt Ion: 164 Resp: 48836
 Ion Ratio Lower Upper
 164 100
 129 95.0 68.5 127.1
 131 87.5 67.3 124.9
 166 125.0 93.1 172.9



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

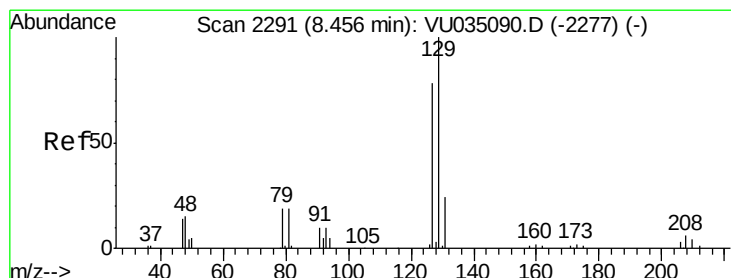
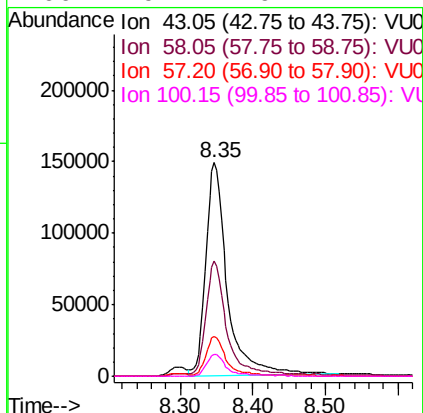
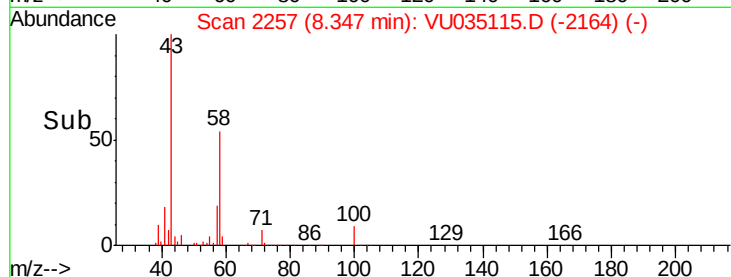
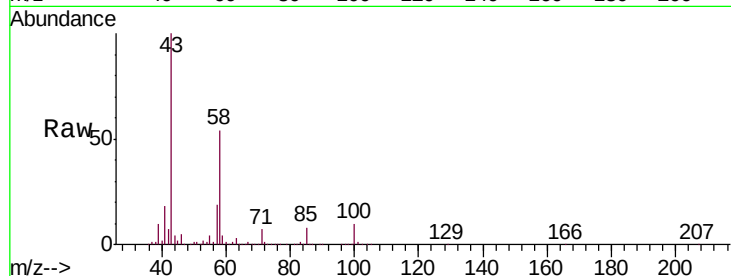




#48
2-Hexanone
Concen: 55.543 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

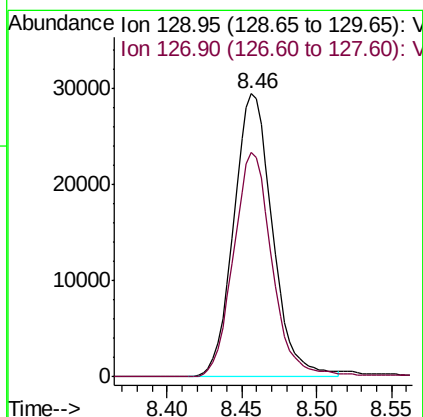
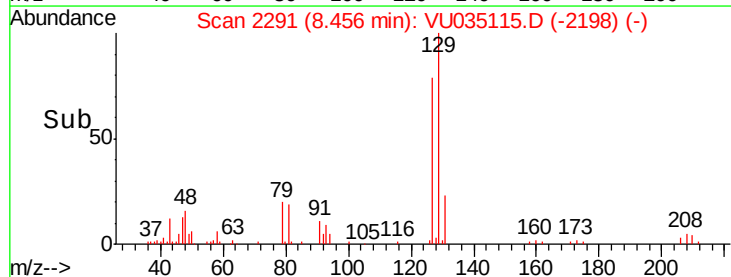
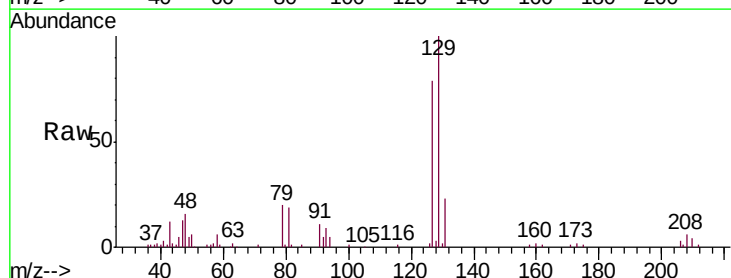
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

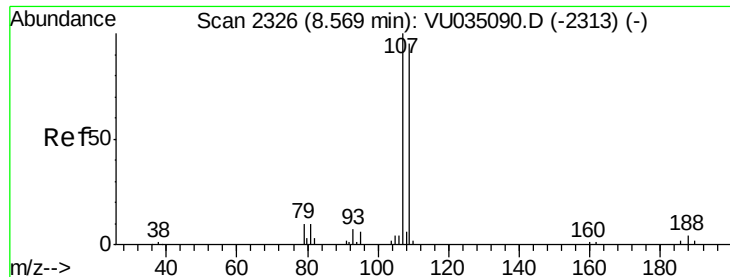
Tgt Ion: 43 Resp: 305894
Ion Ratio Lower Upper
43 100
58 50.9 44.1 66.1
57 16.4 15.8 23.8
100 9.7 9.4 14.2



#49
Dibromochloromethane
Concen: 5.433 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

Tgt Ion: 129 Resp: 53212
Ion Ratio Lower Upper
129 100
127 79.4 51.9 96.5

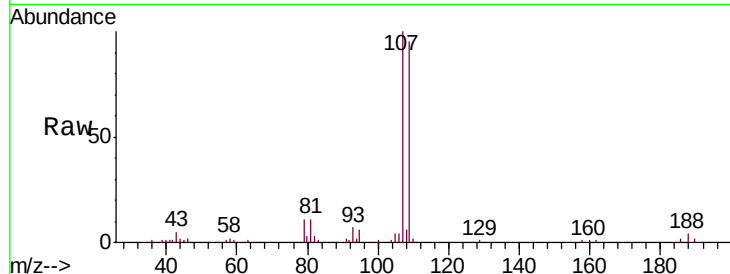




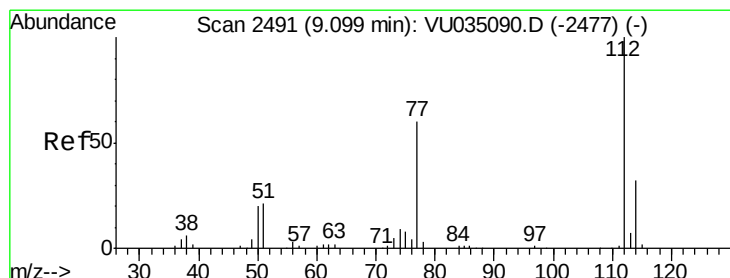
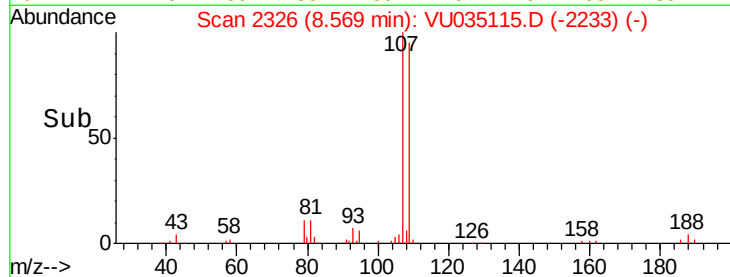
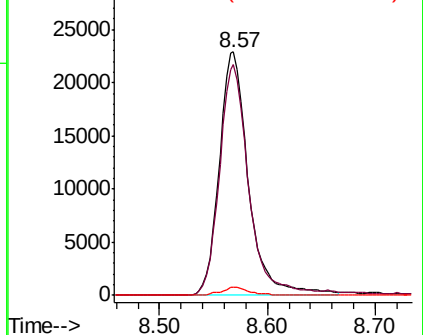
#50
1,2-Dibromoethane
Concen: 5.346 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tgt Ion:107 Resp: 43295
Ion Ratio Lower Upper
107 100
109 94.7 64.8 120.4
188 3.5 3.0 4.6

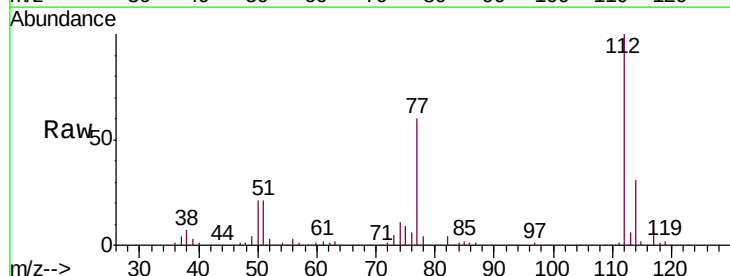


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

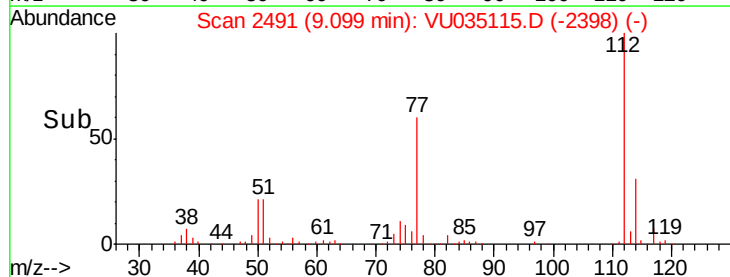
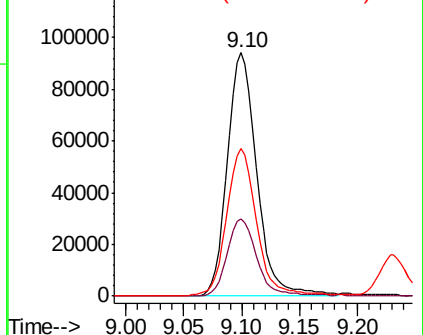


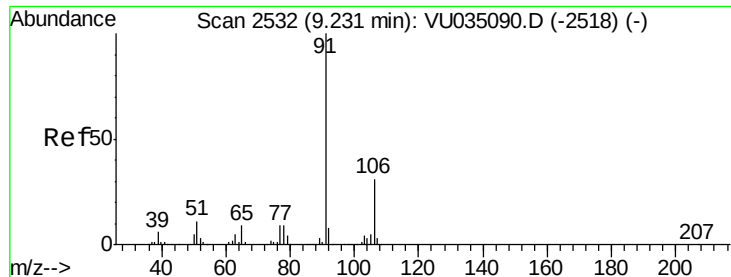
#51
Chlorobenzene
Concen: 5.173 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

Tgt Ion:112 Resp: 165565
Ion Ratio Lower Upper
112 100
114 31.5 22.1 41.1
77 60.5 46.9 70.3



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): V





#52

Ethylbenzene

Concen: 5.100 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

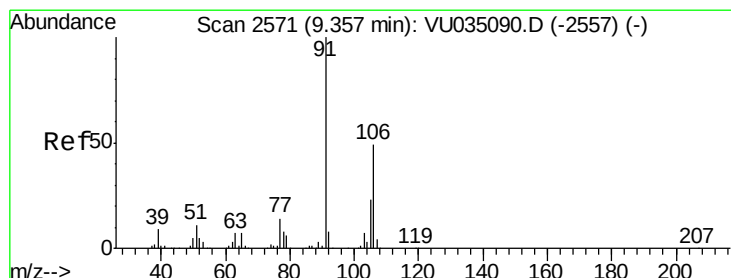
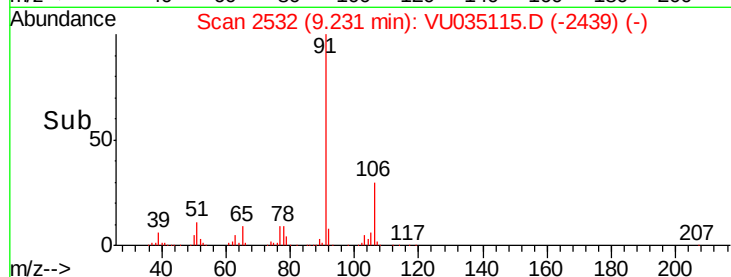
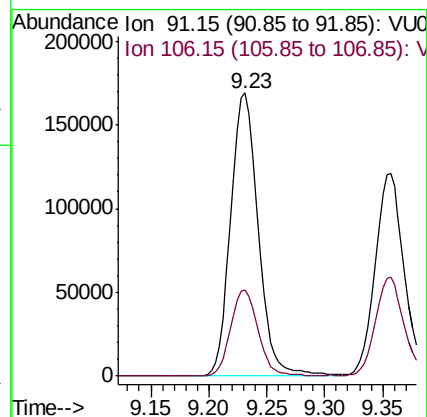
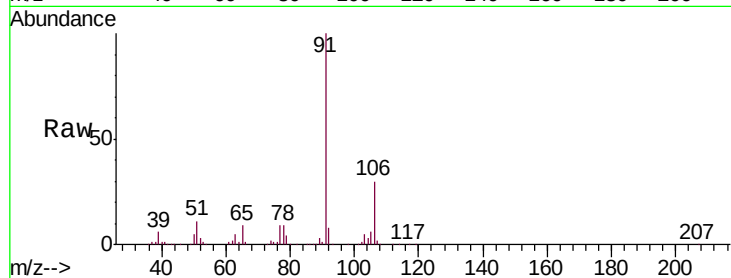
VSTD00516

Tgt Ion: 91 Resp: 278190

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.2



#53

m,p-Xylene

Concen: 5.127 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU035115.D

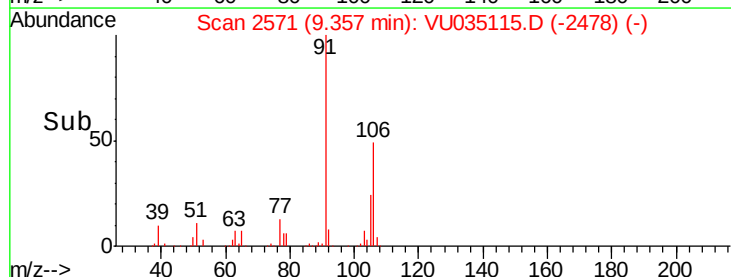
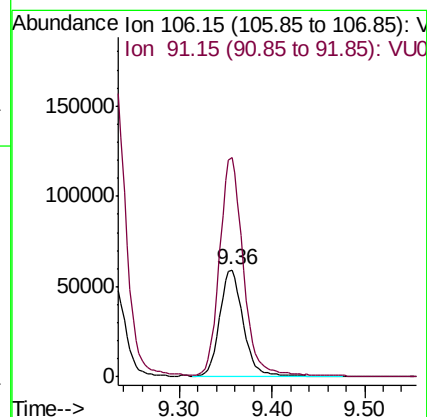
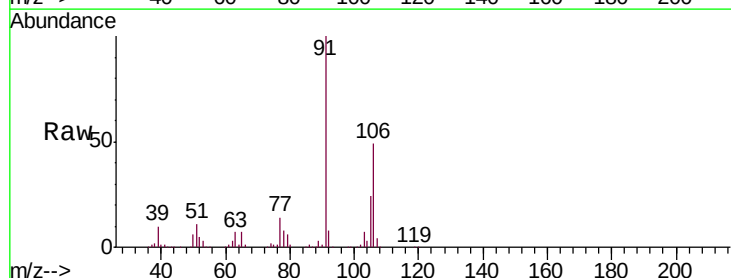
Acq: 12 Oct 2019 02:03

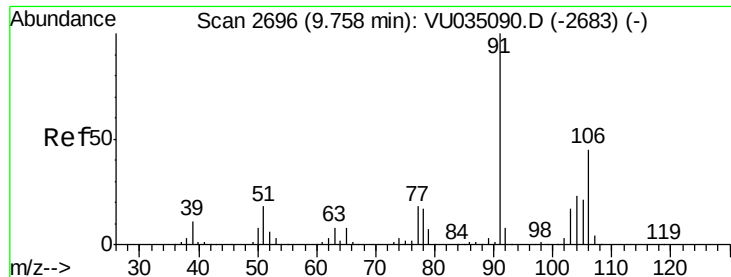
Tgt Ion: 106 Resp: 103297

Ion Ratio Lower Upper

106 100

91 205.0 147.6 274.0

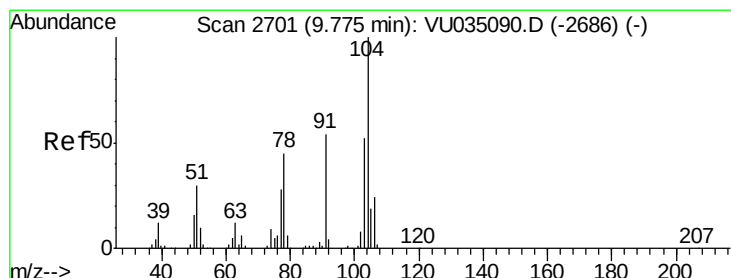
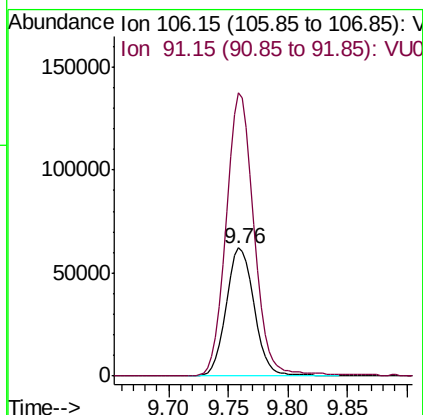
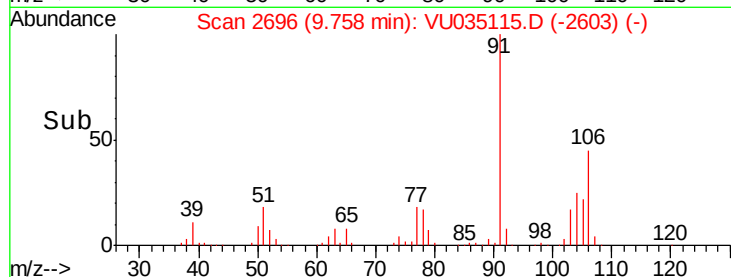
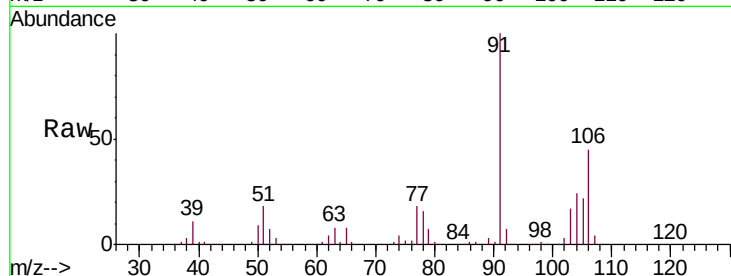




#54
o-Xylene
Concen: 5.208 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

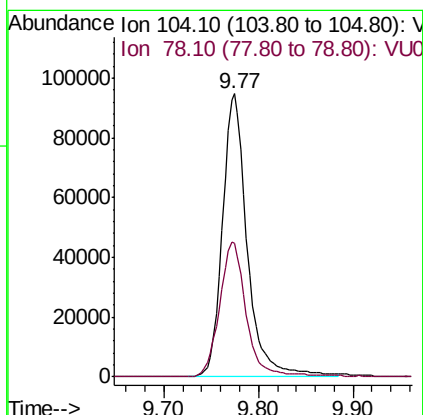
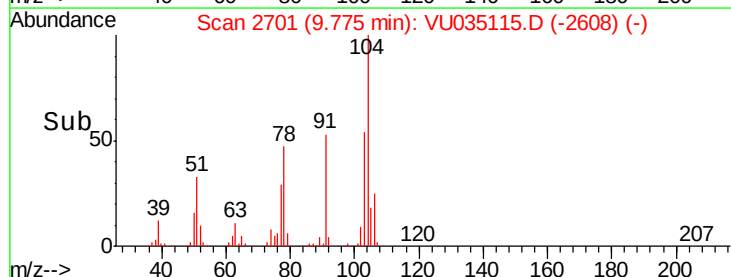
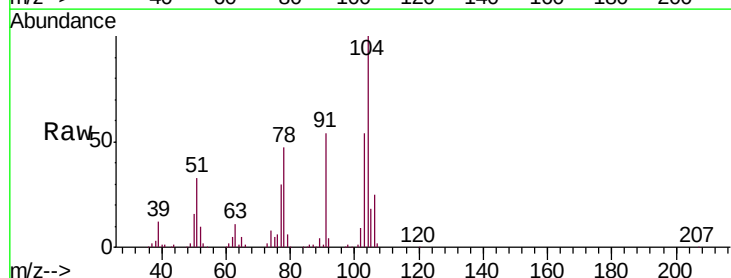
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

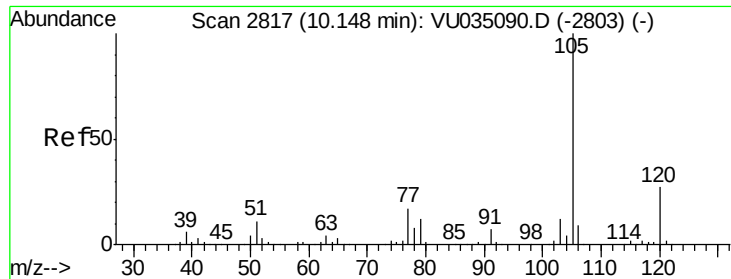
Tgt Ion:106 Resp: 102626
Ion Ratio Lower Upper
106 100
91 220.8 148.5 275.7



#55
Styrene
Concen: 5.427 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU035115.D
Acq: 12 Oct 2019 02:03

Tgt Ion:104 Resp: 173173
Ion Ratio Lower Upper
104 100
78 47.1 32.8 60.8





#56

Isopropylbenzene

Concen: 5.121 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

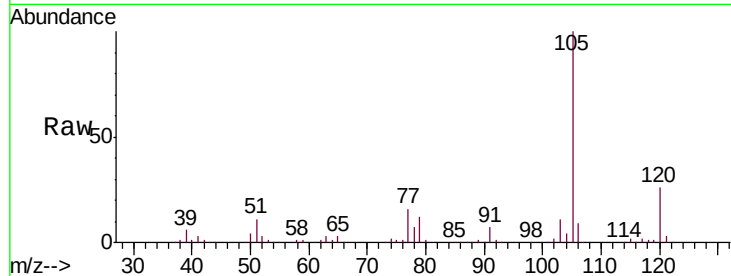
Tgt Ion: 105 Resp: 268807

Ion Ratio Lower Upper

105 100

120 25.4 21.3 31.9

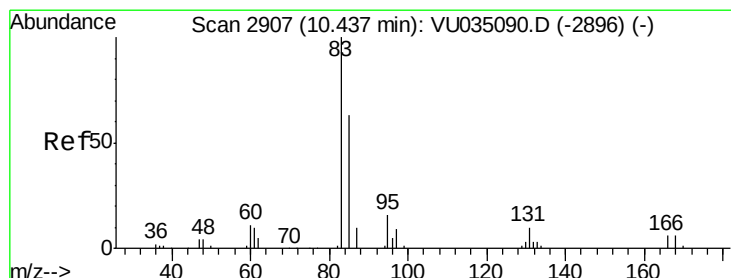
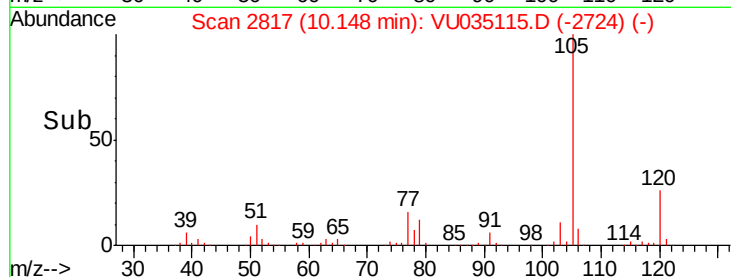
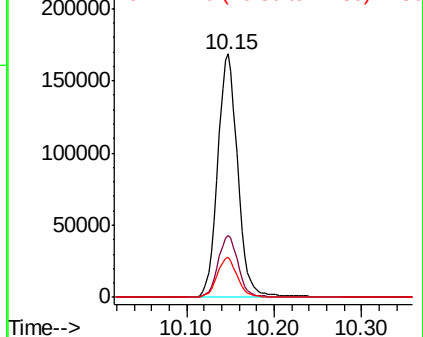
77 16.6 13.0 19.4



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: 5.514 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

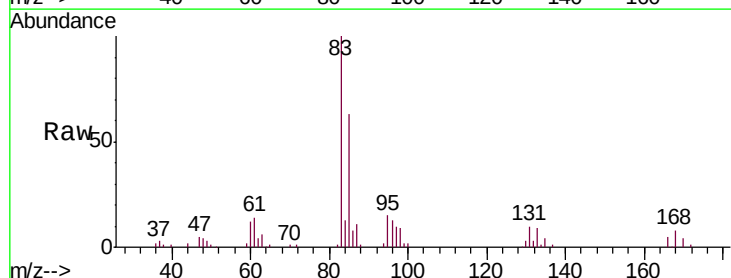
Tgt Ion: 83 Resp: 63549

Ion Ratio Lower Upper

83 100

85 63.3 44.6 82.8

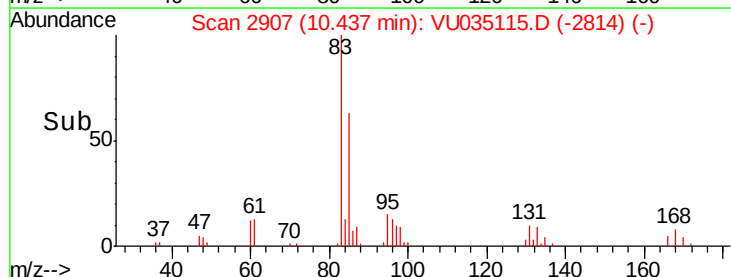
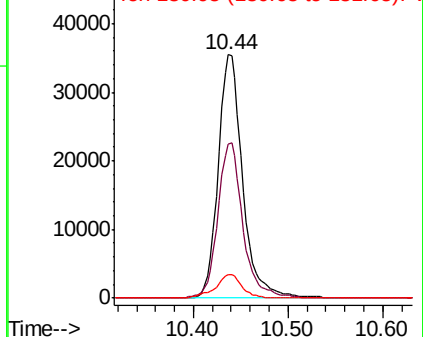
131 9.6 7.4 11.2

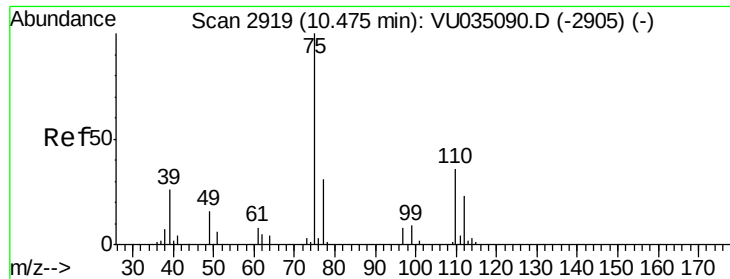


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.430 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

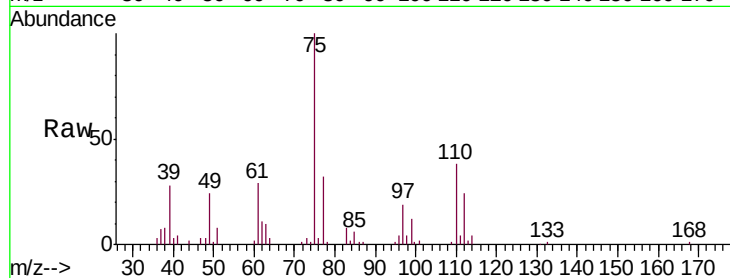
VSTD00516

Tgt Ion: 75 Resp: 44854

Ion Ratio Lower Upper

75 100

77 31.9 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU035090.D (-2905) (-)

Ion 77.00 (76.70 to 77.70): VU035090.D (-2905) (-)

25000

20000

15000

10000

5000

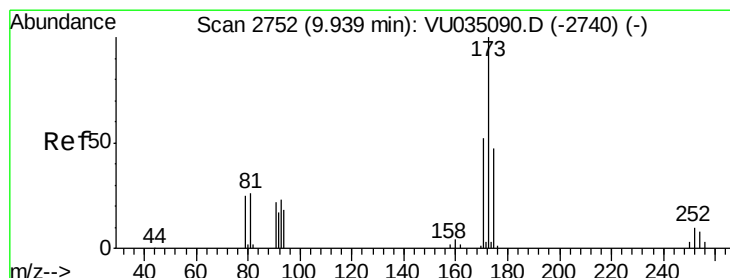
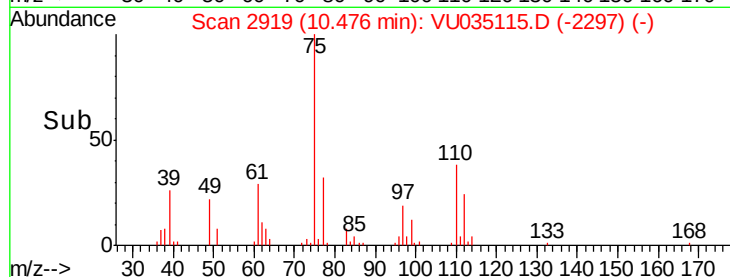
0

10.40

10.50

10.60

Time-->



#61

Bromoform

Concen: 5.637 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

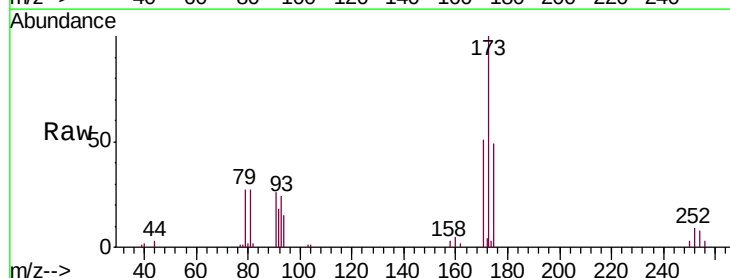
Tgt Ion: 173 Resp: 29937

Ion Ratio Lower Upper

173 100

175 47.8 37.2 55.8

254 8.0 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU035090.D (-2740) (-)

Ion 174.90 (174.60 to 175.60): VU035090.D (-2740) (-)

Ion 253.75 (253.45 to 254.45): VU035090.D (-2740) (-)

20000

15000

10000

5000

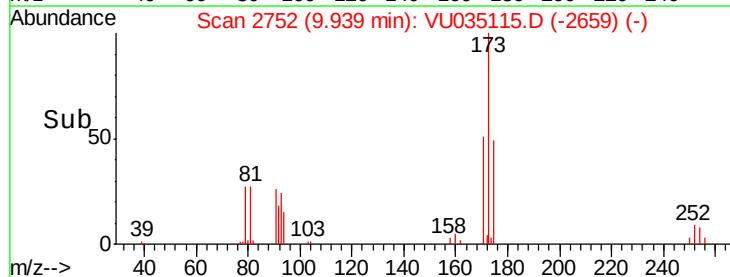
0

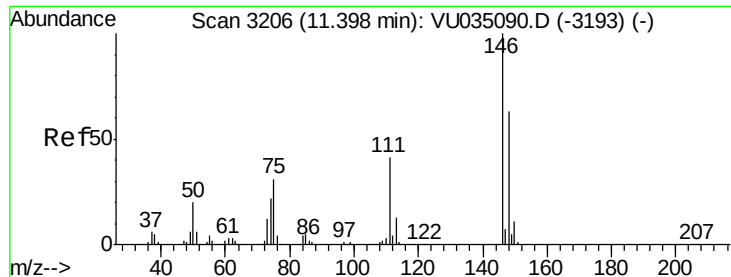
9.90

9.94

10.00

Time-->

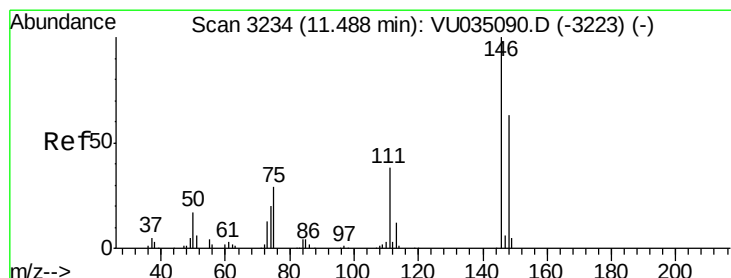
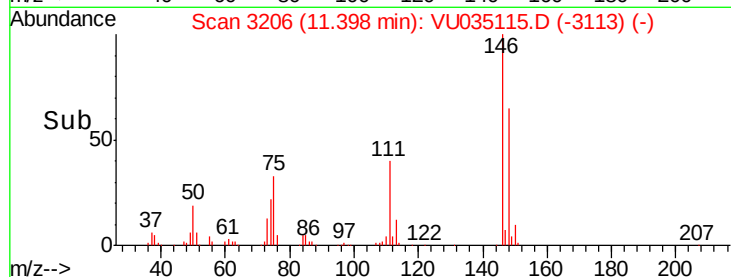
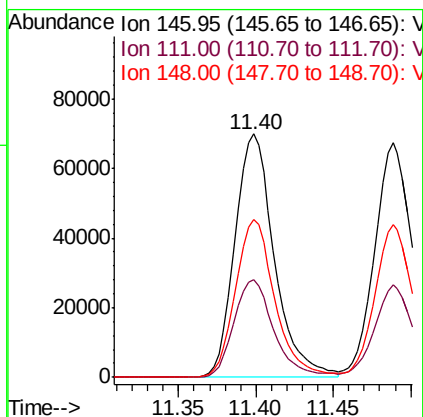
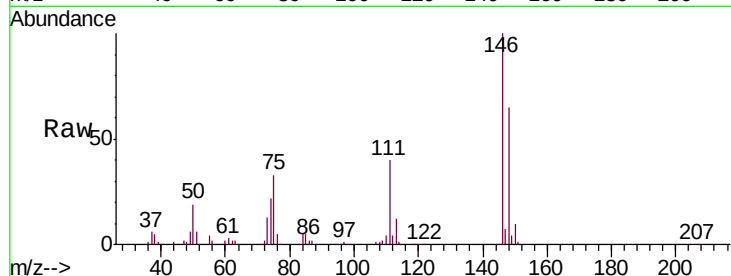




#62
 1,3-Dichlorobenzene
 Concen: 5.190 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

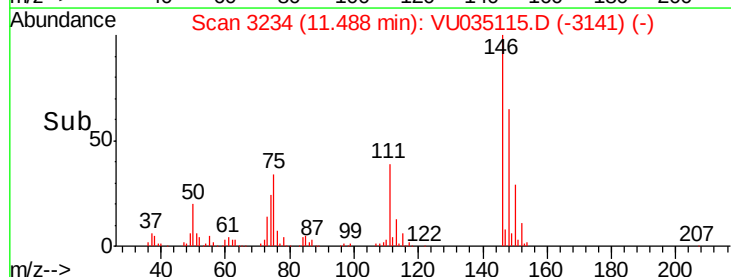
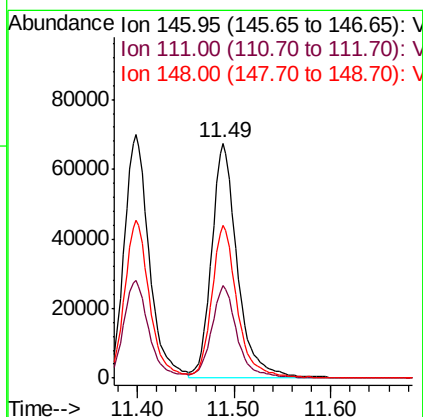
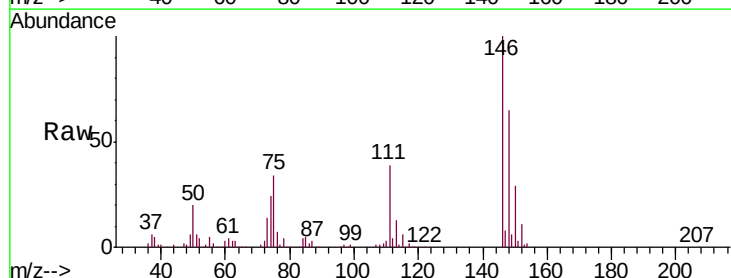
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

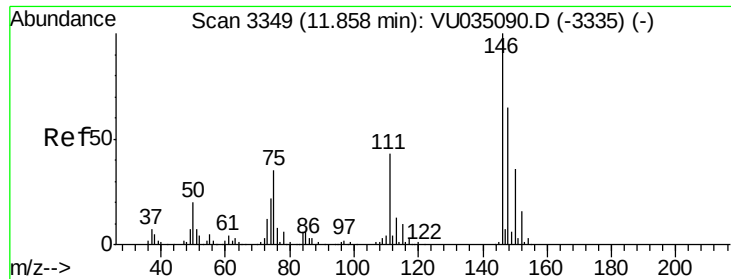
Tgt Ion:146 Resp: 123807
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.6 53.2
 148 65.0 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 5.149 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

Tgt Ion:146 Resp: 123967
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.9 51.7
 148 65.1 44.1 81.9

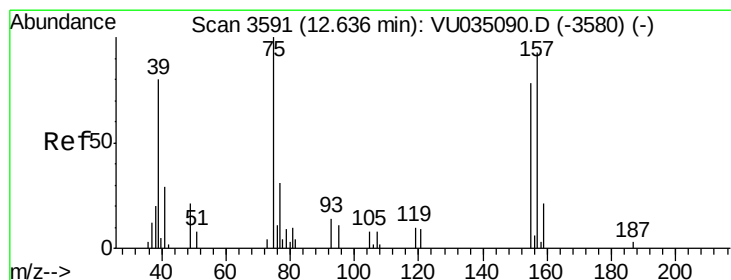
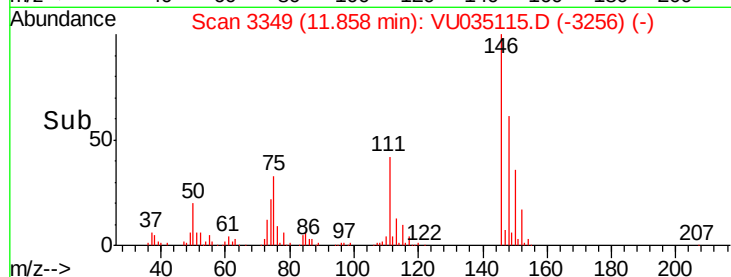
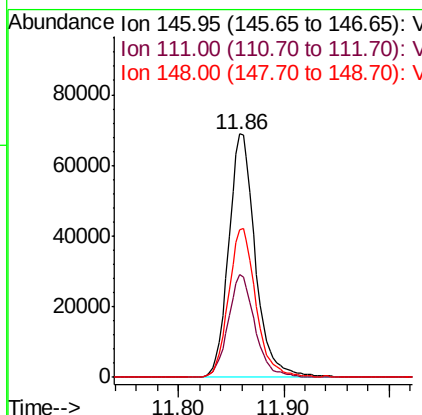
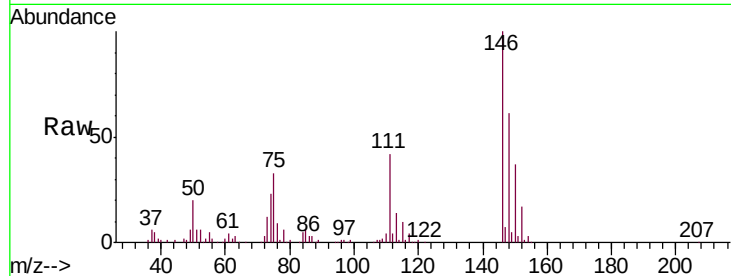




#65
 1,2-Dichlorobenzene
 Concen: 5.235 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

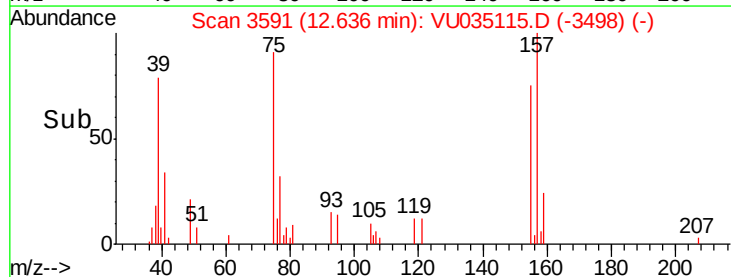
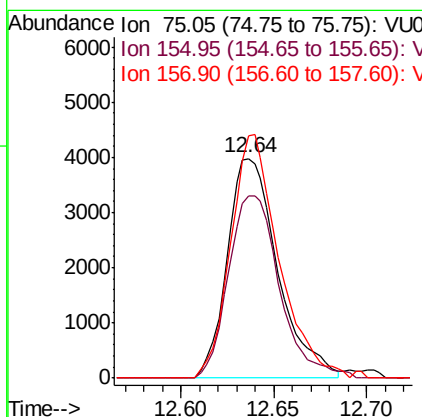
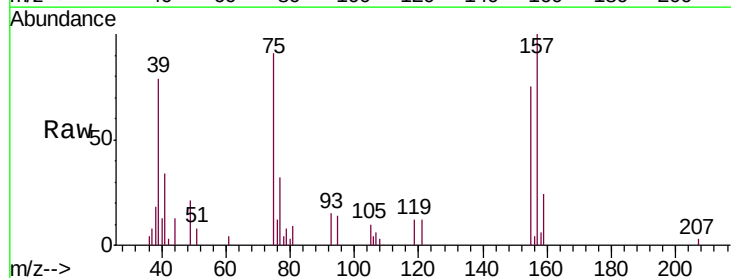
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

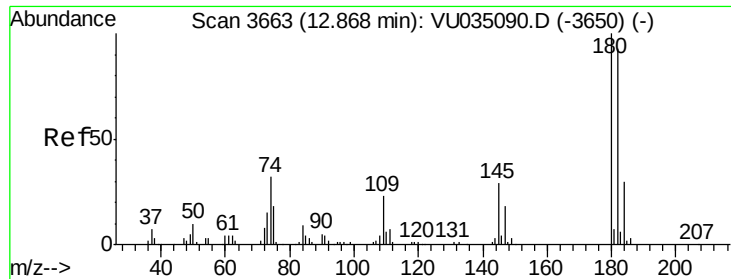
Tgt Ion: 146 Resp: 120494
 Ion Ratio Lower Upper
 146 100
 111 42.0 34.2 51.4
 148 60.8 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.142 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

Tgt Ion: 75 Resp: 7522
 Ion Ratio Lower Upper
 75 100
 155 82.7 67.1 100.7
 157 110.3 83.7 125.5

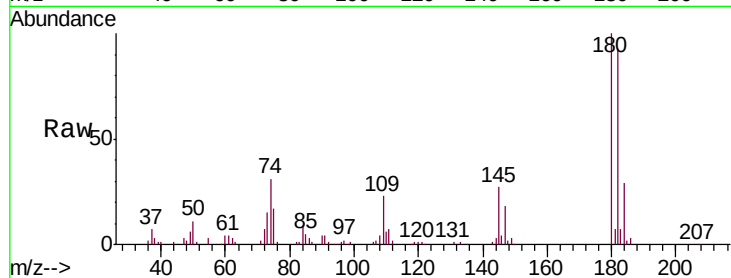




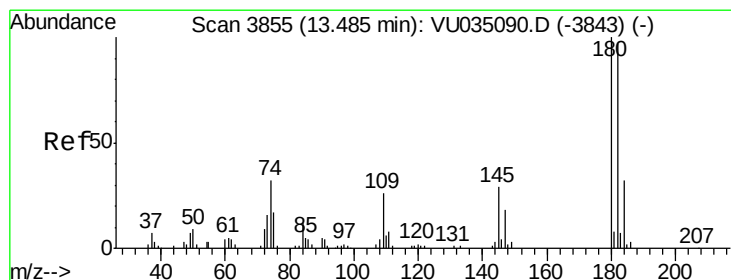
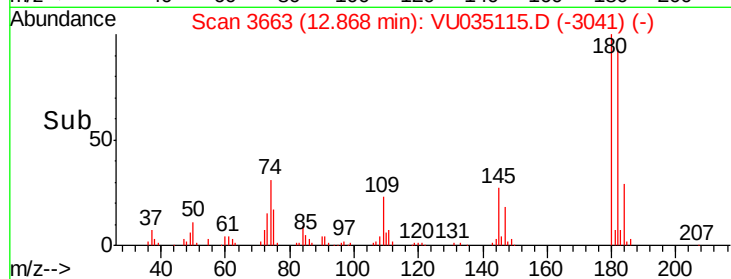
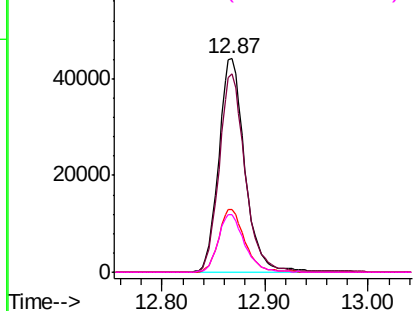
#67
 1,3,5-Trichlorobenzene
 Concen: 4.813 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion:180	Resp:	77747
Ion Ratio	Lower	Upper
180	100	
182	92.5	76.0 114.0
184	29.2	24.2 36.2
145	27.2	24.6 37.0

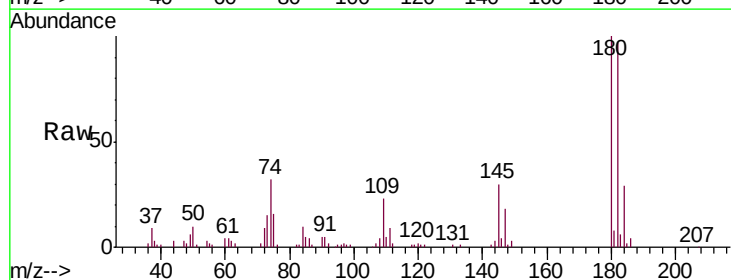


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

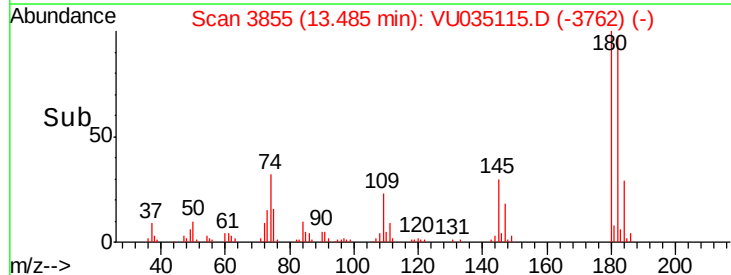
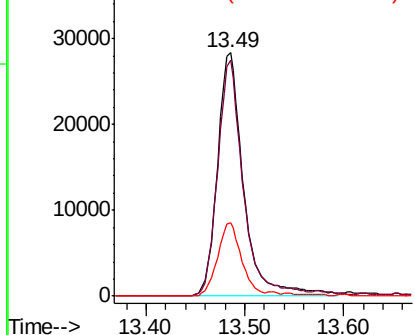


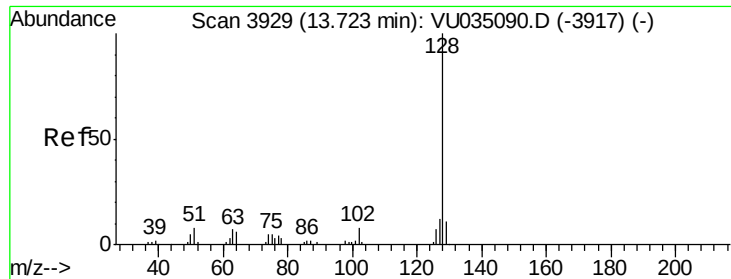
#68
 1,2,4-trichlorobenzene
 Concen: 4.381 ug/L
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU035115.D
 Acq: 12 Oct 2019 02:03

Tgt Ion:180	Resp:	52847
Ion Ratio	Lower	Upper
180	100	
182	94.3	77.3 115.9
145	27.5	24.5 36.7



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: 4.339 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

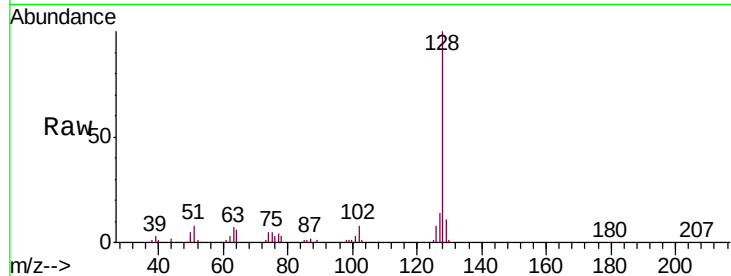
Tgt Ion:128 Resp: 81392

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

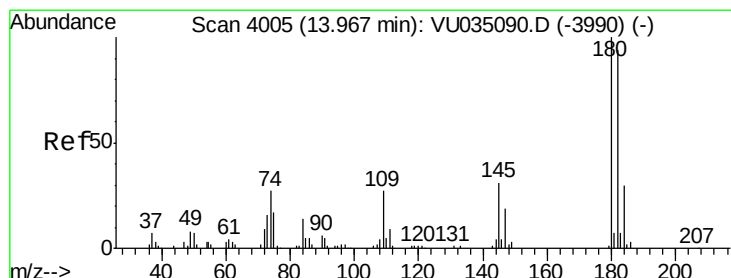
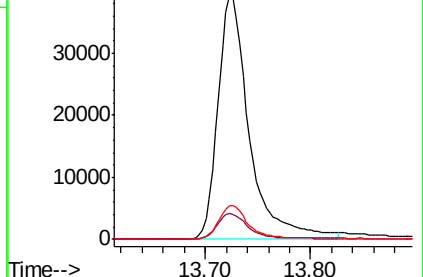
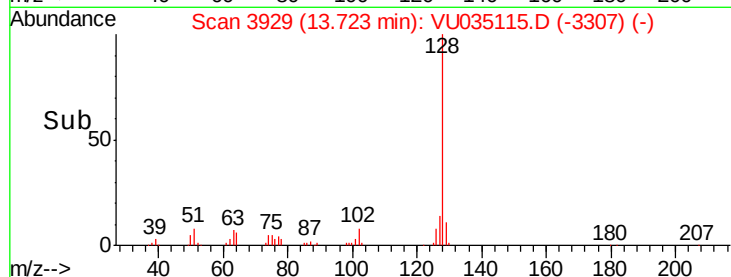
127 13.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.761 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU035115.D

Acq: 12 Oct 2019 02:03

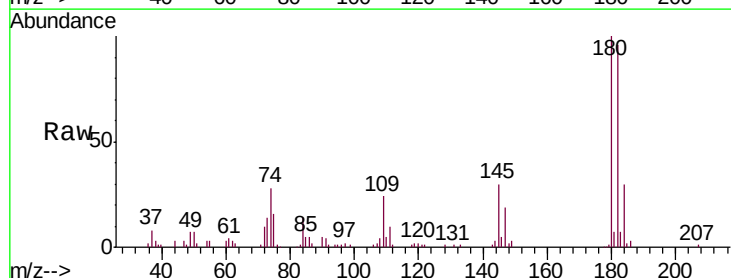
Tgt Ion:180 Resp: 55852

Ion Ratio Lower Upper

180 100

182 97.0 77.0 115.4

145 30.8 25.9 38.9



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

