

Data File : VU035001.D
Acq On : 09 Oct 2019 10:26
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Quant Time: Oct 10 02:57:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 18:29:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	168844	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	171060	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	84860	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	41433	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.67	69	42305	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.26	63	95275	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	4.18	46	182352	62.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.08%
24) Chloroform-d	4.62	84	98716	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.29	65	54535	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.31	84	178916	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.31	67	63225	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.54	98	173810	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.83	79	23621	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.30	63	139317	60.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.40%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	62115	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	70018	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	78438	5.083 ug/L	99
3) Chloromethane	1.32	50	88895	5.252 ug/L	99
5) Vinyl chloride	1.40	62	87093	5.238 ug/L	99
6) Bromomethane	1.62	94	47015	5.087 ug/L	96
8) Chloroethane	1.69	64	54093	5.425 ug/L	96
9) Trichlorofluoromethane	1.87	101	109649	5.453 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	61121	5.294 ug/L	98
12) 1,1-Dichloroethene	2.27	96	57107	5.266 ug/L	84
13) Acetone	2.33	43	147127	61.118 ug/L	97
14) Carbon disulfide	2.46	76	185515	5.140 ug/L	99
15) Methyl Acetate	2.61	43	37189	5.803 ug/L	93
16) Methylene chloride	2.68	84	69502	5.177 ug/L	90
17) Methyl tert-butyl Ether	2.99	73	166678	5.633 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	61047	5.257 ug/L	98
19) 1,1-Dichloroethane	3.42	63	122093	5.290 ug/L	99
21) 2-Butanone	4.27	43	218146	63.634 ug/L	95
22) cis-1,2-Dichloroethene	4.20	96	66846	5.160 ug/L	95

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	30539	5.625	ug/L	91
25) Chloroform	4.65	83	126254	4.868	ug/L	99
27) 1,2-Dichloroethane	5.38	62	82235	5.430	ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	97780	5.089	ug/L	97
30) Cyclohexane	4.97	56	103876	4.917	ug/L	98
31) Carbon tetrachloride	5.11	117	86631	5.200	ug/L	98
33) Benzene	5.36	78	264539	5.134	ug/L	100
34) Trichloroethene	6.16	95	68116	5.126	ug/L	98
35) Methylcyclohexane	6.39	83	108017	5.019	ug/L	98
37) 1,2-Dichloropropane	6.41	63	71330	5.132	ug/L	99
38) Bromodichloromethane	6.74	83	88199	5.413	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	98706	5.242	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	528996	60.471	ug/L	96
42) Toluene	7.61	91	289569	5.384	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	78325	5.370	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	52384	5.676	ug/L	95
47) Tetrachloroethene	8.21	164	54645	5.080	ug/L	95
48) 2-Hexanone	8.35	43	378216	63.058	ug/L	96
49) Dibromochloromethane	8.46	129	60611	5.682	ug/L	98
50) 1,2-Dibromoethane	8.57	107	50279	5.700	ug/L #	97
51) Chlorobenzene	9.10	112	183073	5.252	ug/L	100
52) Ethylbenzene	9.23	91	311729	5.248	ug/L	99
53) m,p-Xylene	9.35	106	115739	5.274	ug/L	97
54) o-Xylene	9.76	106	114619	5.341	ug/L	96
55) Styrene	9.77	104	191095	5.499	ug/L	98
56) Isopropylbenzene	10.14	105	305351	5.341	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	72780	5.799	ug/L	98
59) 1,2,3-Trichloropropane	10.47	75	52125	5.794	ug/L	99
61) Bromoform	9.94	173	35034	6.019	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	141030	5.395	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	143015	5.421	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	139584	5.534	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	10269	6.406	ug/L	89
67) 1,3,5-Trichlorobenzene	12.86	180	98334	5.555	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	72138	5.457	ug/L	98
69) Naphthalene	13.72	128	116251	5.655	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	73878	5.747	ug/L	98

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

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

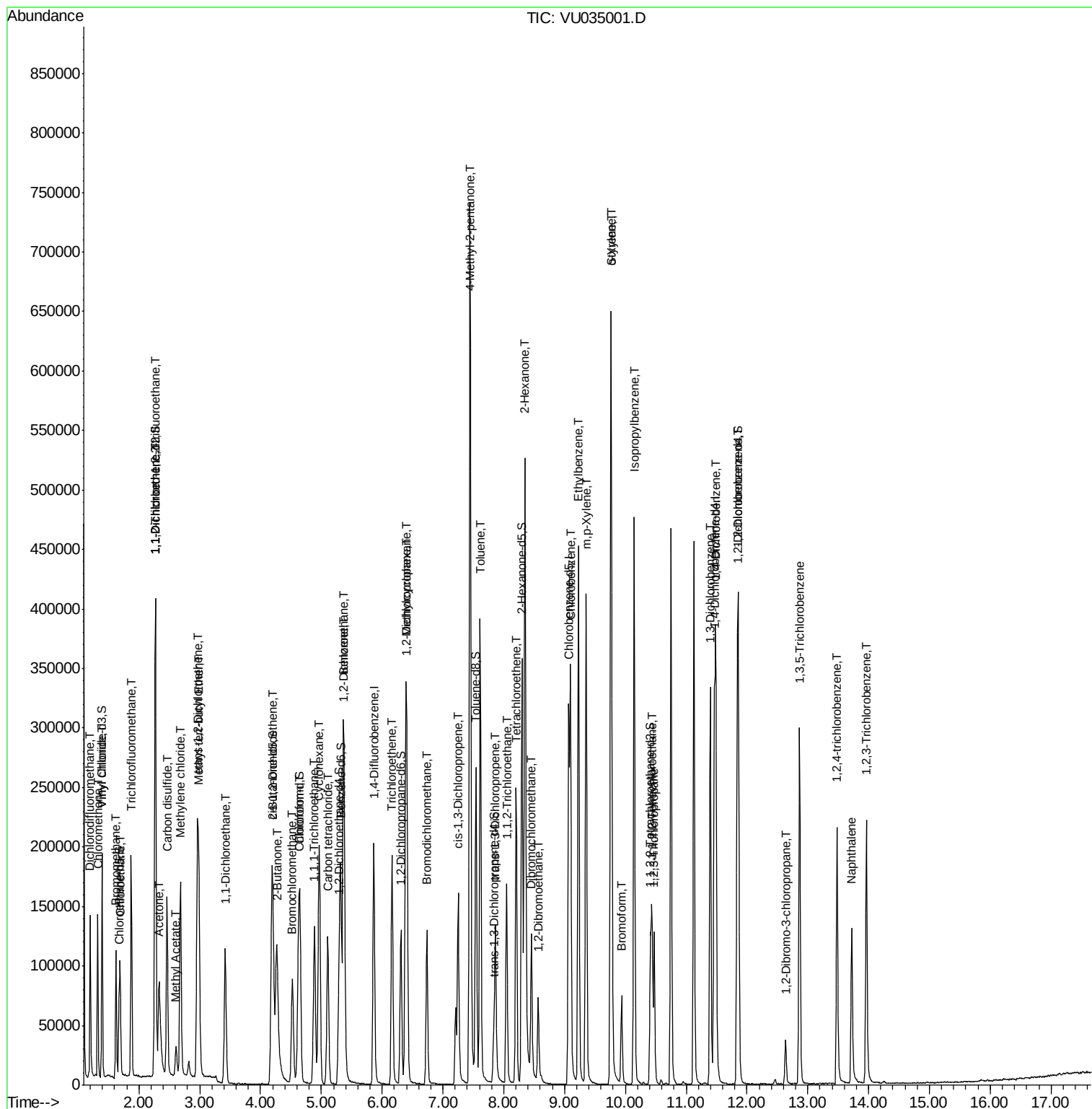
Quant Time: Oct 10 02:57:42 2019

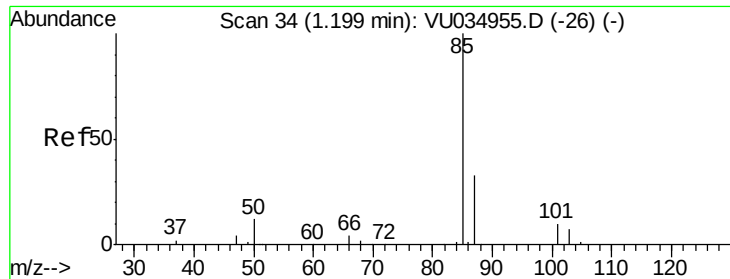
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR100719WMA.M

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#2

Dichlorodifluoromethane

Concen: 5.083 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

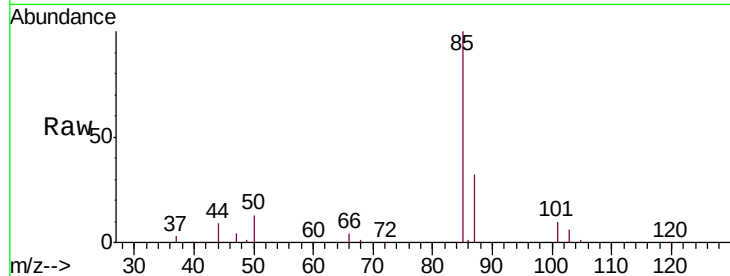
VSTD00509

Tgt Ion: 85 Resp: 78438

Ion Ratio Lower Upper

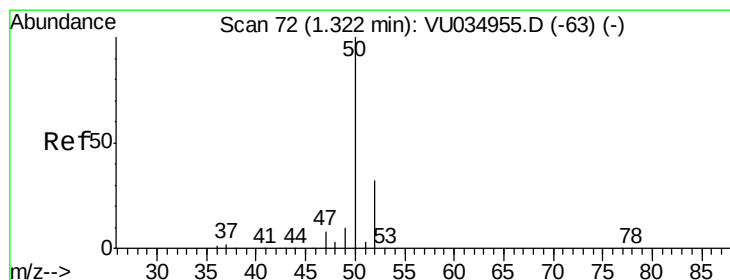
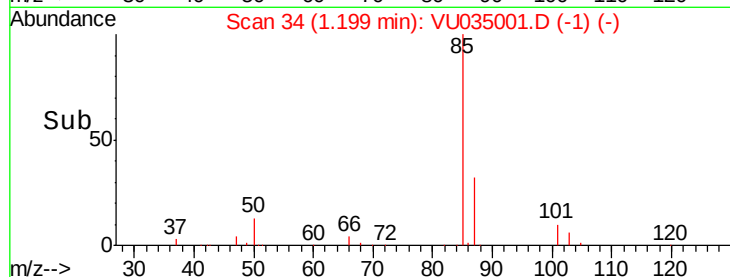
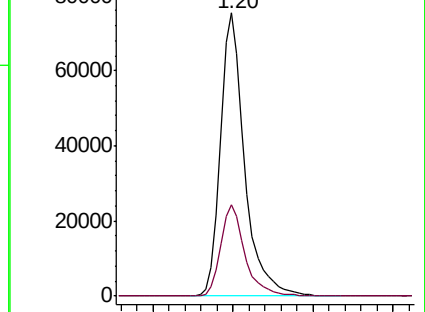
85 100

87 32.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU034955.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034955.D (-26) (-)



#3

Chloromethane

Concen: 5.252 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU035001.D

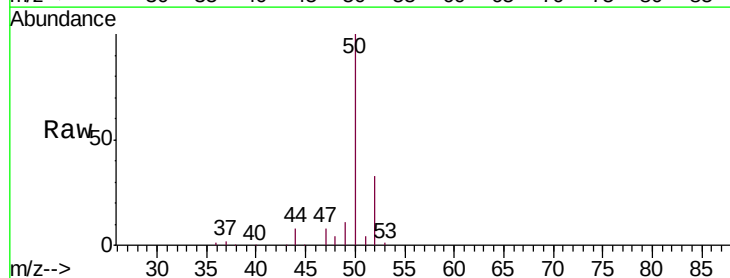
Acq: 09 Oct 2019 10:26

Tgt Ion: 50 Resp: 88895

Ion Ratio Lower Upper

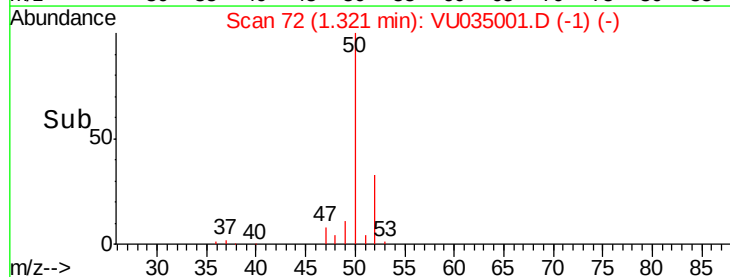
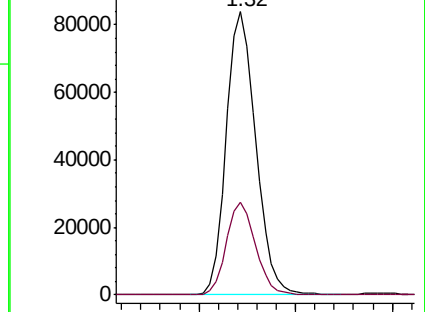
50 100

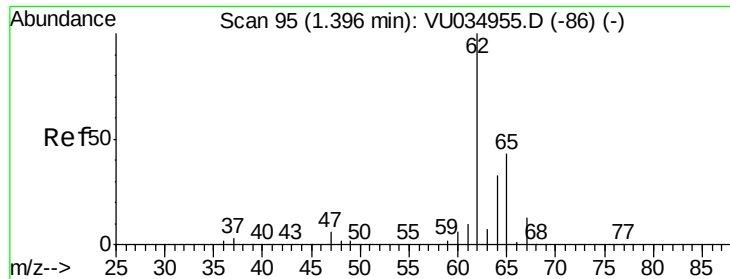
52 32.6 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU034955.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU034955.D (-63) (-)





#5

Vinyl chloride

Concen: 5.238 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

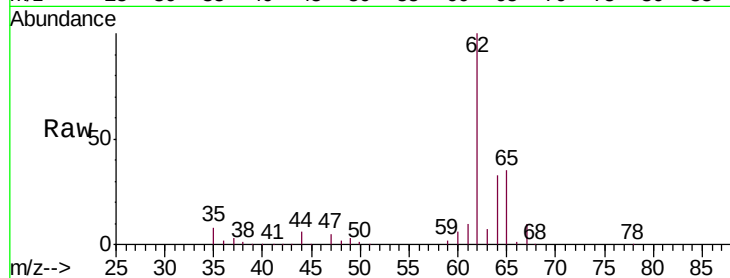
VSTD00509

Tgt Ion: 62 Resp: 87093

Ion Ratio Lower Upper

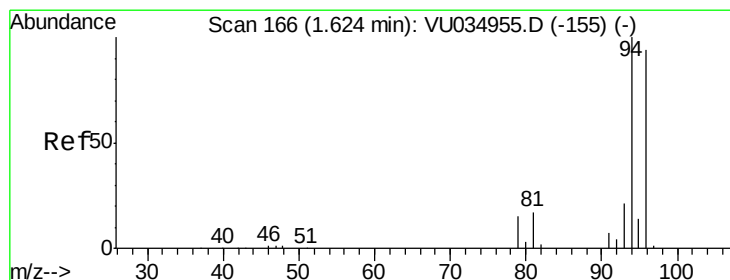
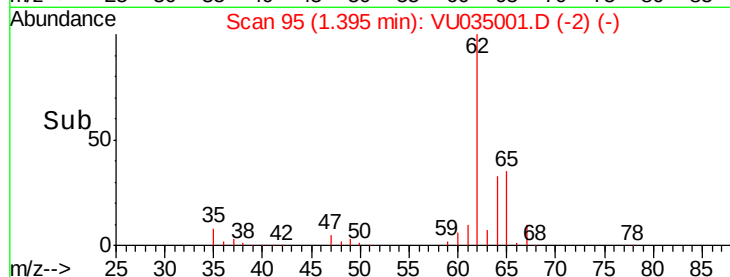
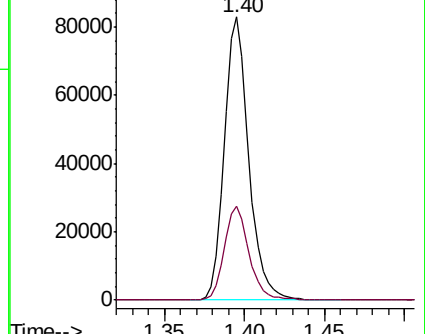
62 100

64 33.3 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU034955.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034955.D (-86) (-)



#6

Bromomethane

Concen: 5.087 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035001.D

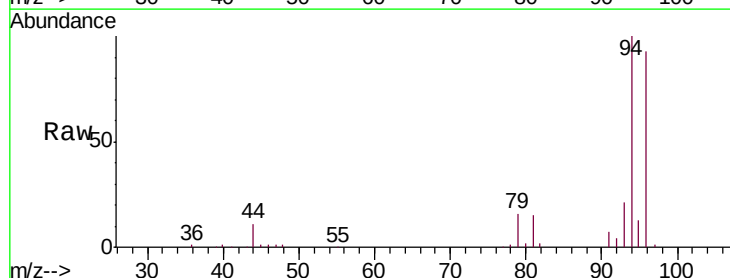
Acq: 09 Oct 2019 10:26

Tgt Ion: 94 Resp: 47015

Ion Ratio Lower Upper

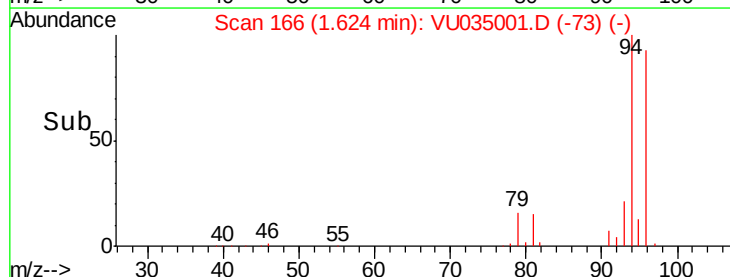
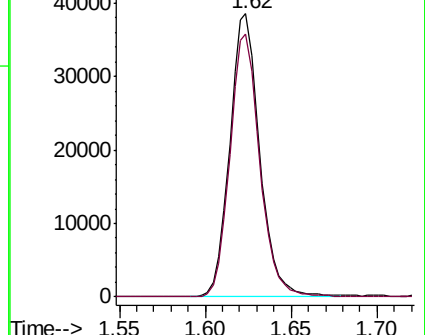
94 100

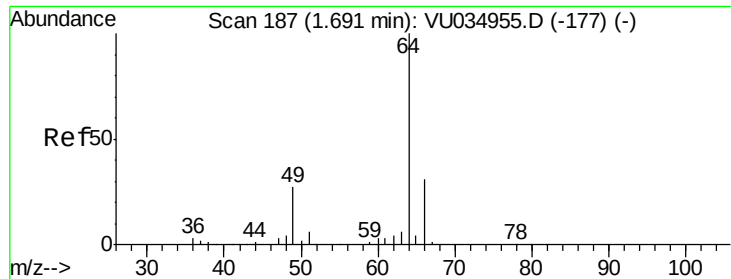
96 93.0 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU034955.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034955.D (-155) (-)





#8

Chloroethane

Concen: 5.425 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

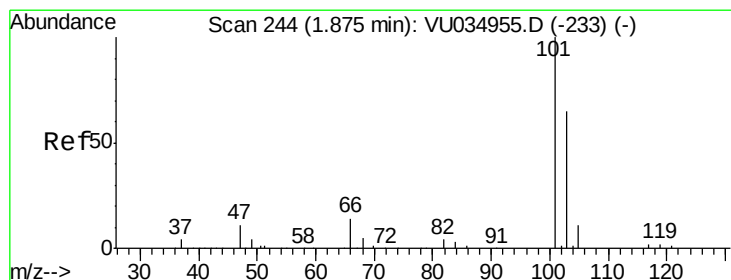
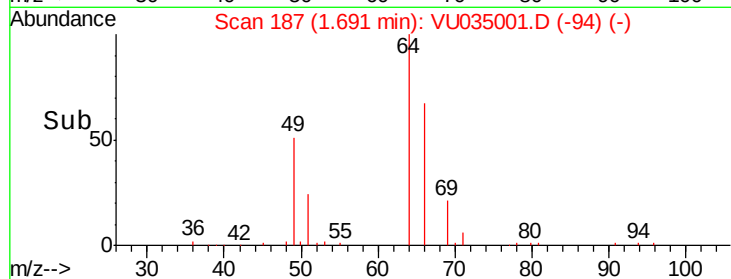
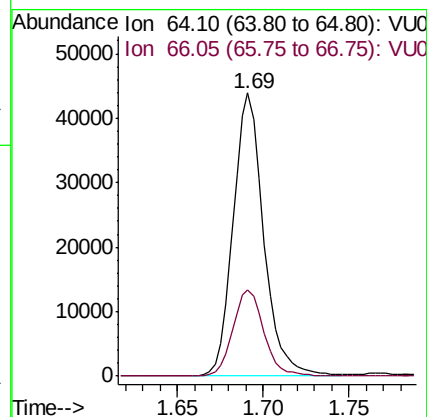
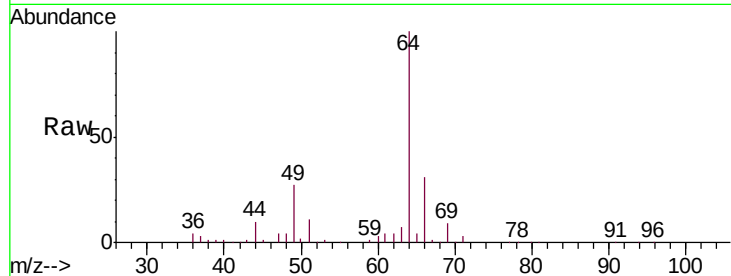
VSTD00509

Tgt Ion: 64 Resp: 54093

Ion Ratio Lower Upper

64 100

66 30.7 23.2 43.2



#9

Trichlorofluoromethane

Concen: 5.453 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU035001.D

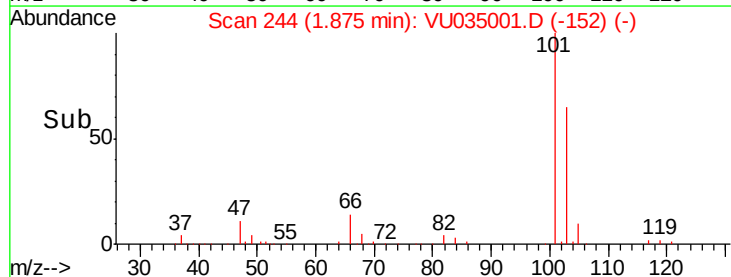
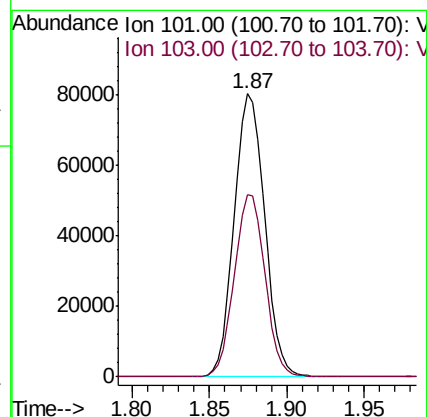
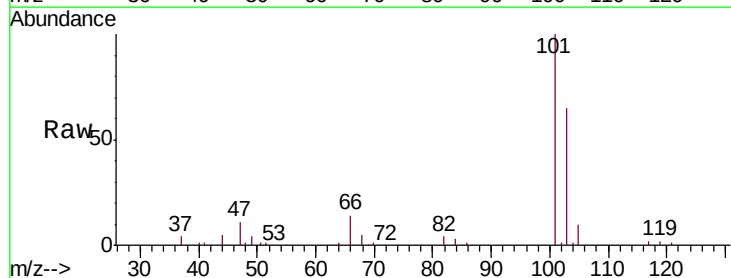
Acq: 09 Oct 2019 10:26

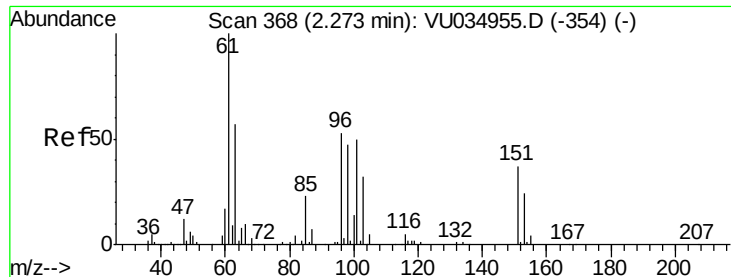
Tgt Ion: 101 Resp: 109649

Ion Ratio Lower Upper

101 100

103 64.6 52.2 78.4





#10

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

Concen: 5.294 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

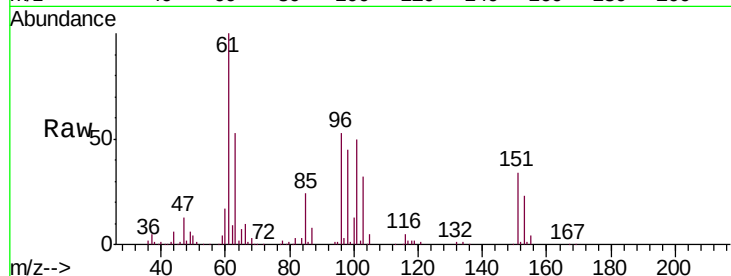
Tgt Ion: 101 Resp: 61121

Ion Ratio Lower Upper

101 100

85 46.5 37.4 56.0

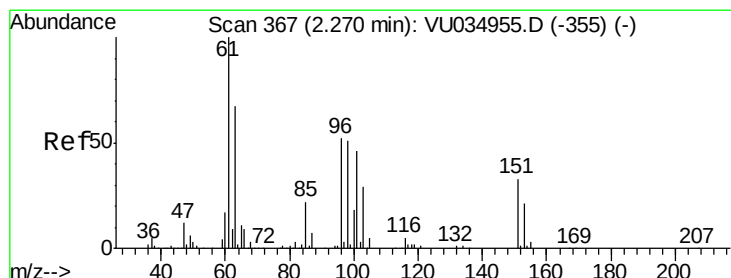
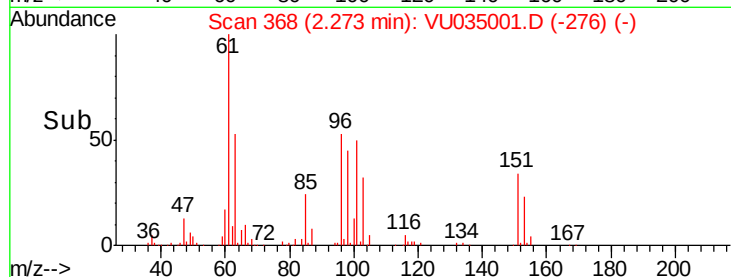
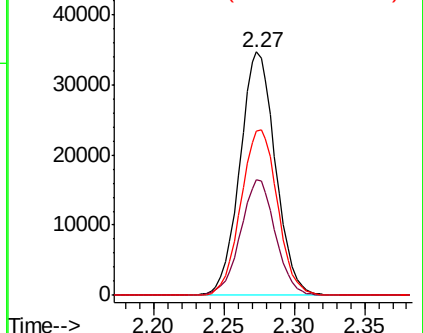
151 70.1 58.6 87.8



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: 5.266 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

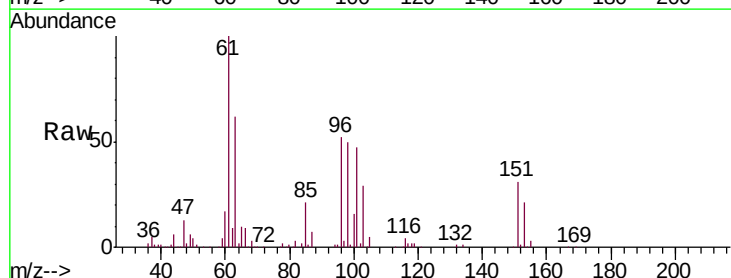
Tgt Ion: 96 Resp: 57107

Ion Ratio Lower Upper

96 100

61 191.5 129.3 240.1

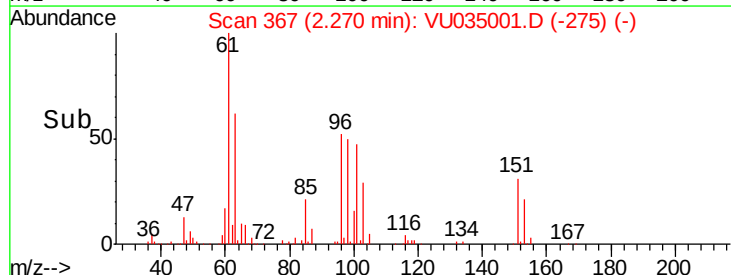
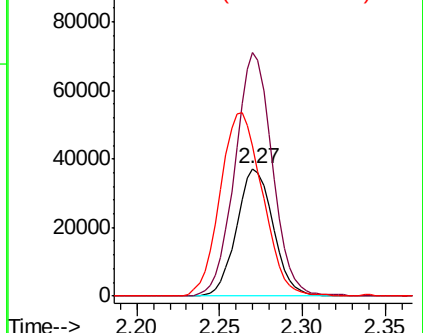
63 117.8 108.9 202.3

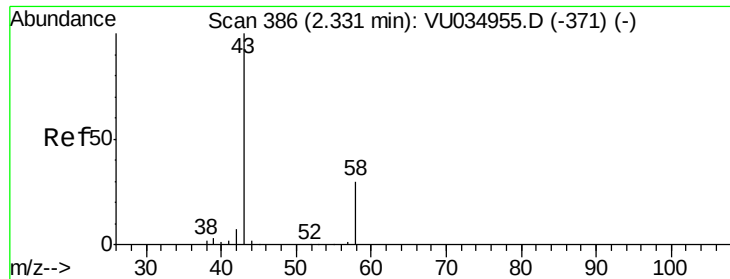


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 61.118 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

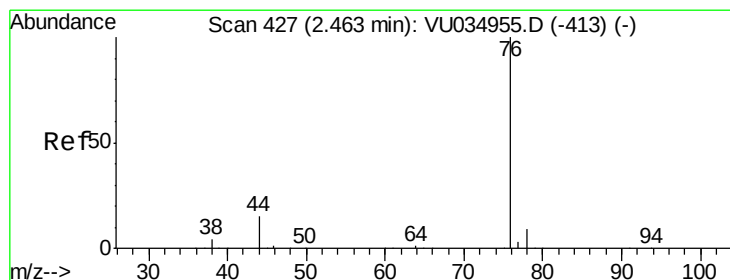
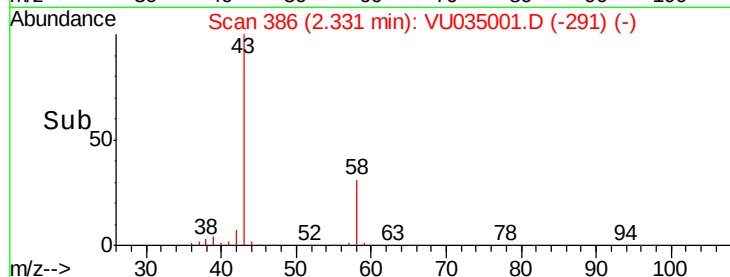
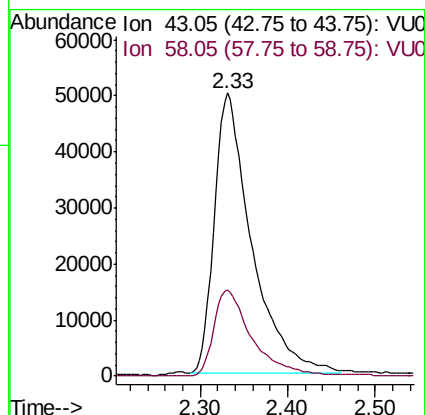
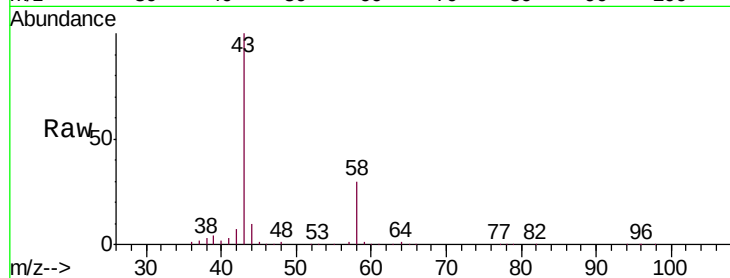
VSTD00509

Tgt Ion: 43 Resp: 147127

Ion Ratio Lower Upper

43 100

58 31.6 0.0 66.6



#14

Carbon disulfide

Concen: 5.140 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU035001.D

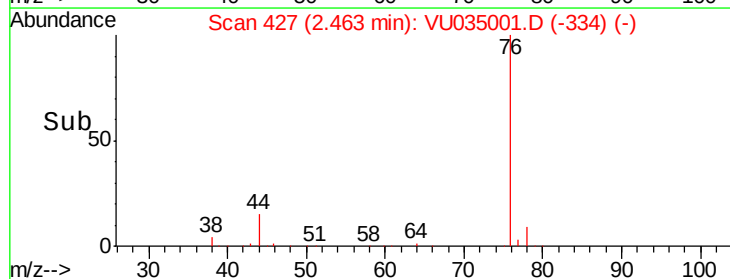
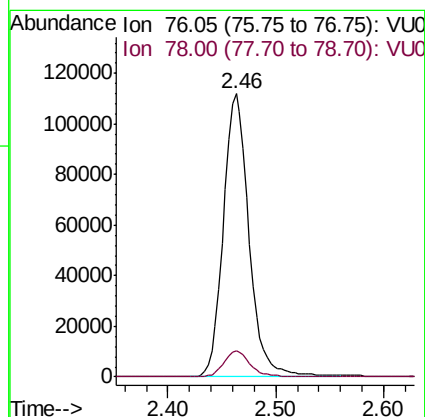
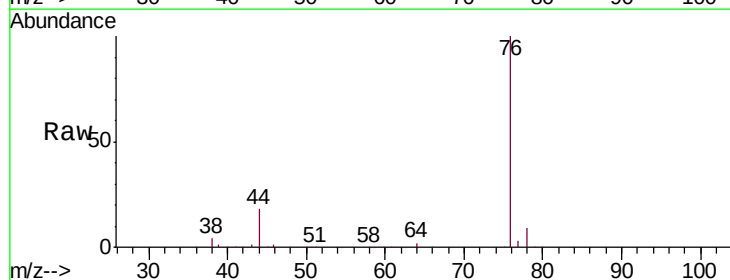
Acq: 09 Oct 2019 10:26

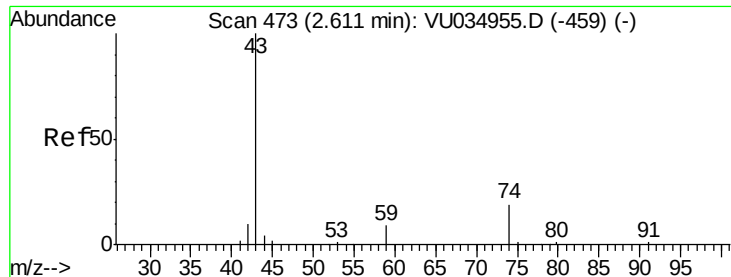
Tgt Ion: 76 Resp: 185515

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

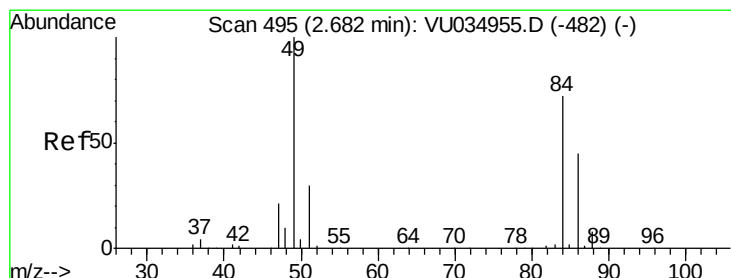
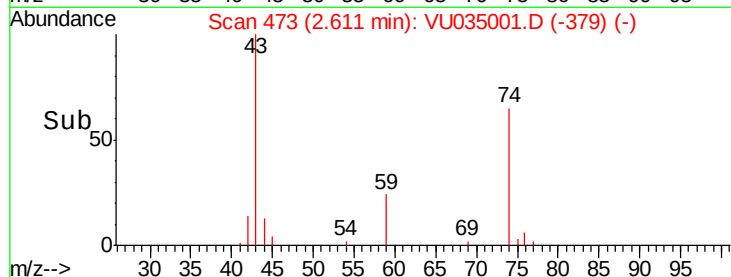
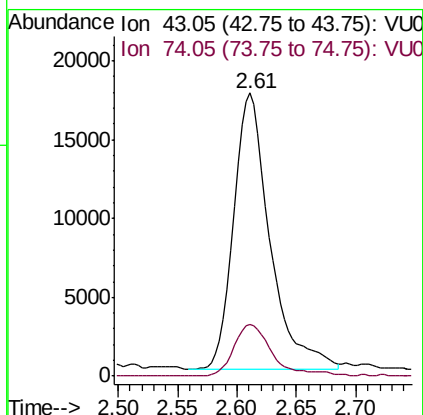
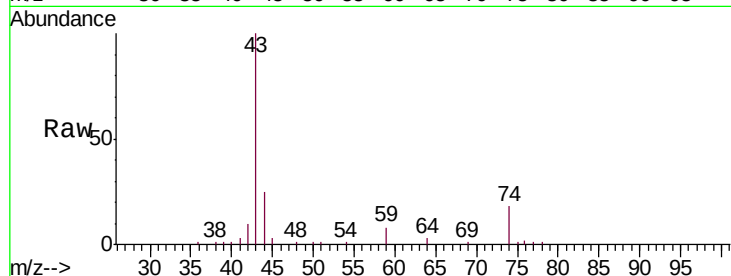




#15
Methyl Acetate
Concen: 5.803 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

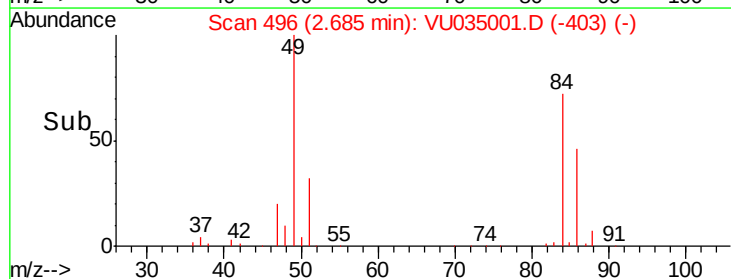
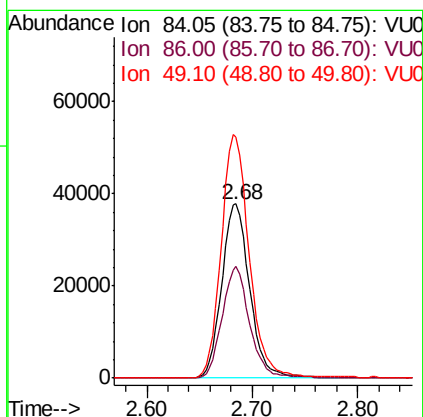
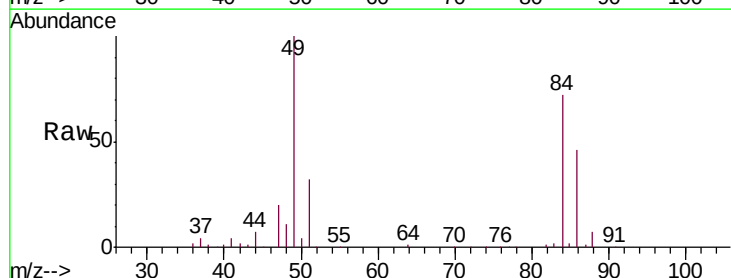
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

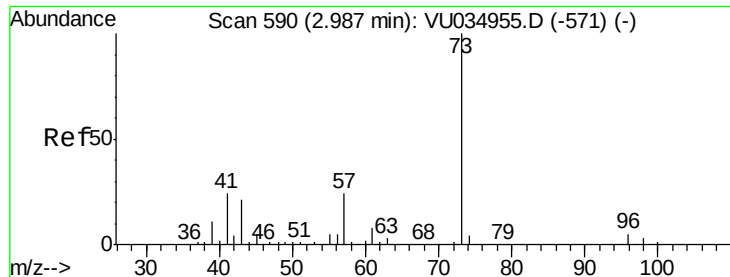
Tgt Ion: 43 Resp: 37189
Ion Ratio Lower Upper
43 100
74 19.2 17.8 26.8



#16
Methylene chloride
Concen: 5.177 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

Tgt Ion: 84 Resp: 69502
Ion Ratio Lower Upper
84 100
86 63.9 42.5 78.9
49 138.4 86.9 161.3

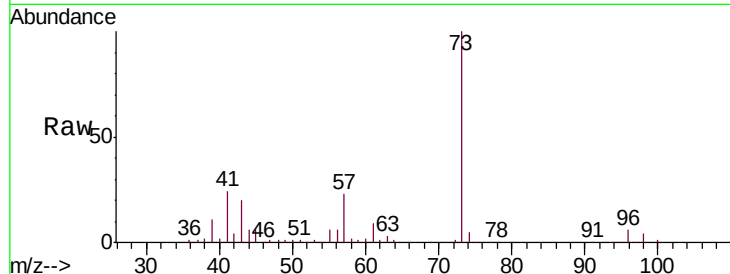




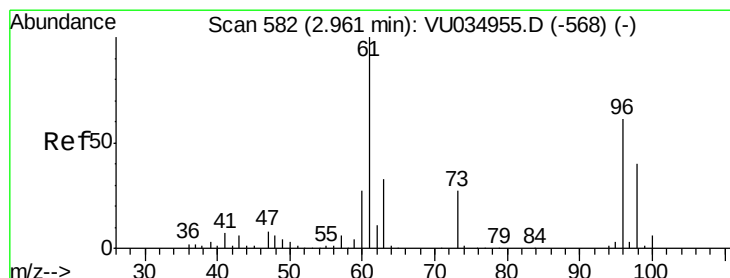
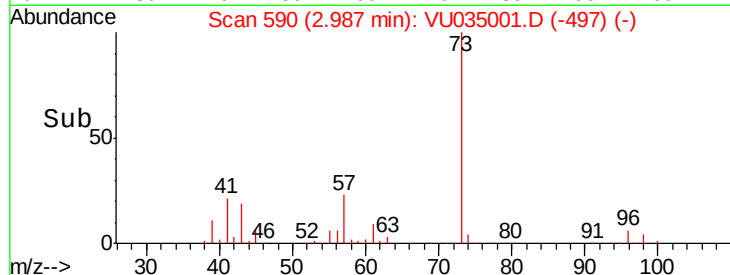
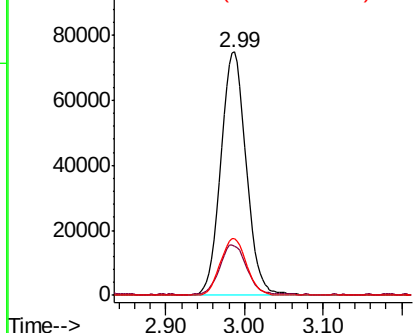
#17
Methyl tert-butyl Ether
Concen: 5.633 ug/L
RT: 2.99 min Scan# 590
Delta R.T. -0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion: 73 Resp: 166678
Ion Ratio Lower Upper
73 100
43 21.5 16.3 24.5
57 24.1 18.6 28.0

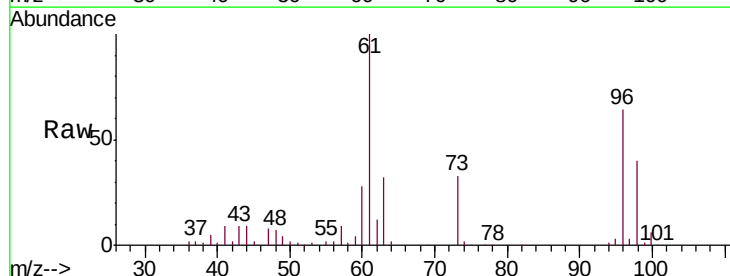


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

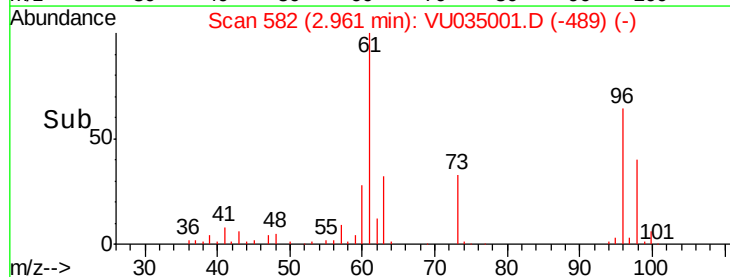
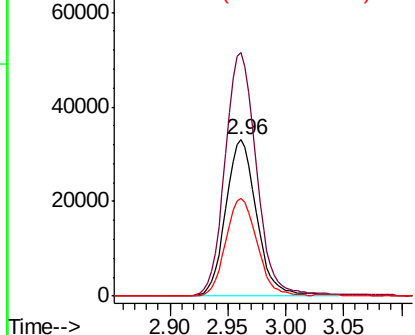


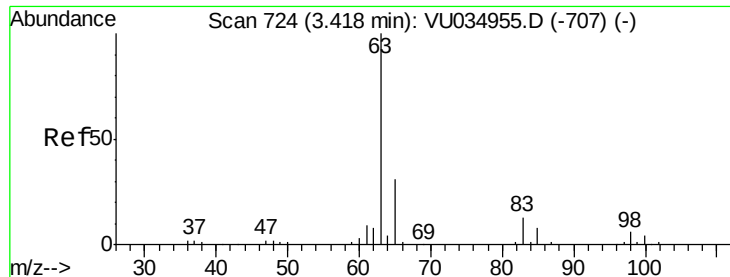
#18
trans-1,2-Dichloroethene
Concen: 5.257 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

Tgt Ion: 96 Resp: 61047
Ion Ratio Lower Upper
96 100
61 155.8 107.1 198.9
98 62.3 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

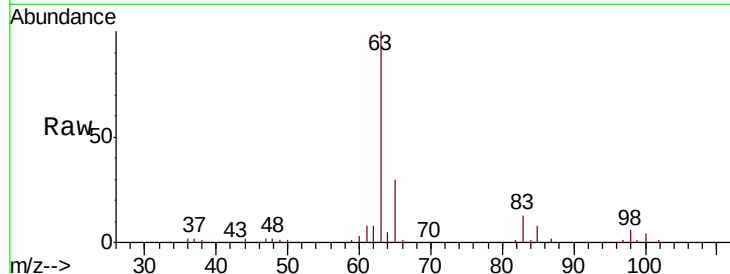




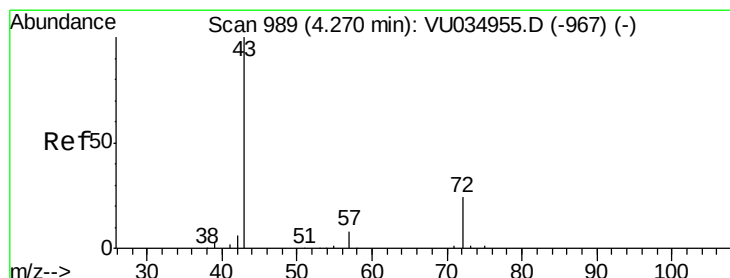
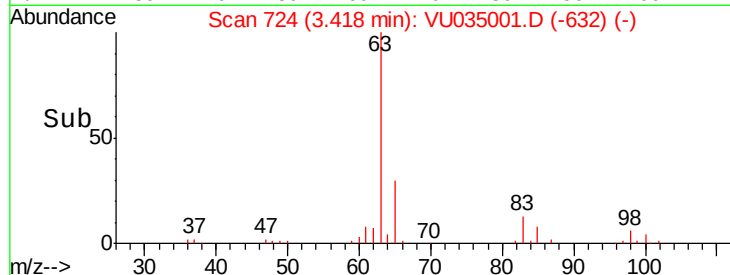
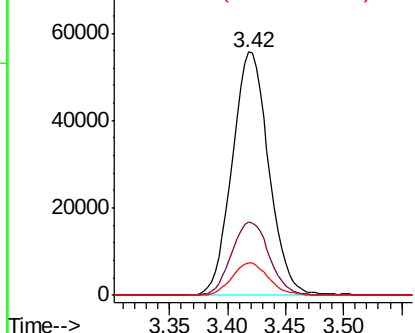
#19
 1,1-Dichloroethane
 Concen: 5.290 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion: 63 Resp: 122093
 Ion Ratio Lower Upper
 63 100
 65 30.1 21.7 40.3
 83 13.1 9.0 16.8

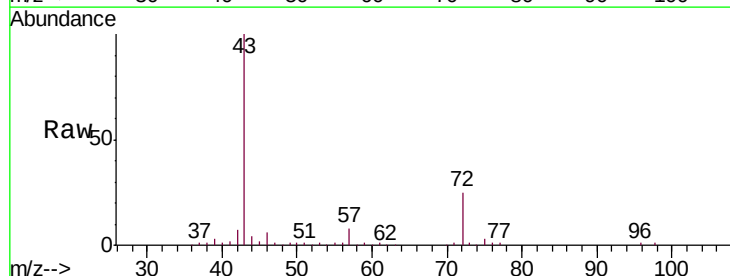


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

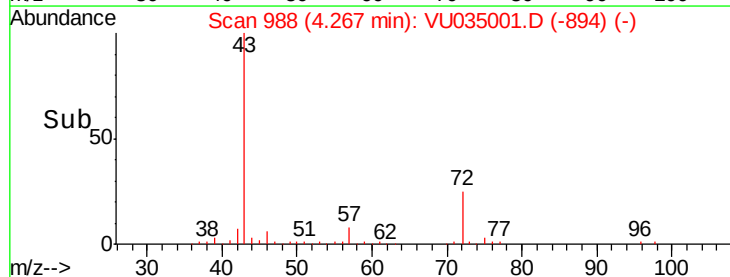
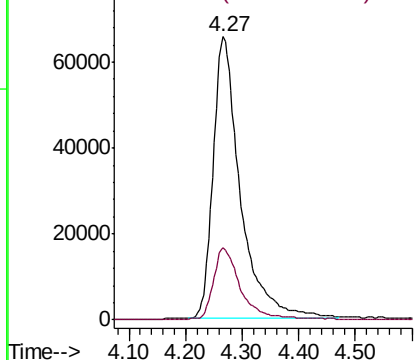


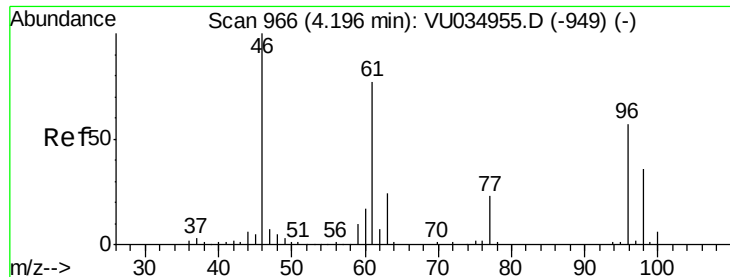
#21
 2-Butanone
 Concen: 63.634 ug/L
 RT: 4.27 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Tgt Ion: 43 Resp: 218146
 Ion Ratio Lower Upper
 43 100
 72 24.3 13.5 40.4



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: 5.160 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

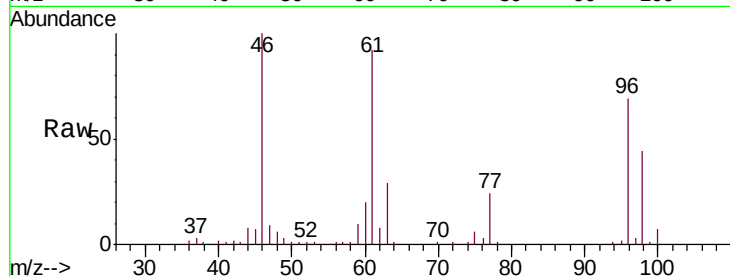
Tgt Ion: 96 Resp: 66846

Ion Ratio Lower Upper

96 100

61 133.2 89.2 165.6

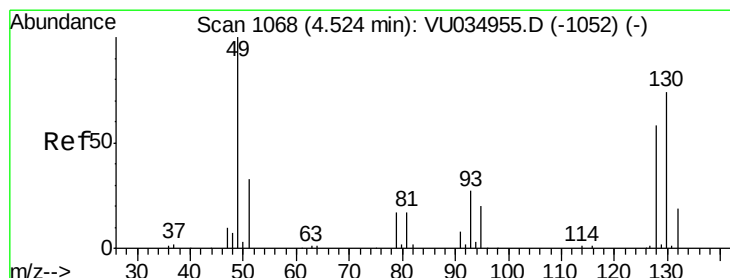
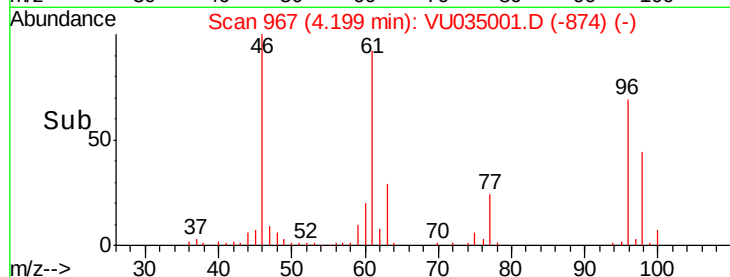
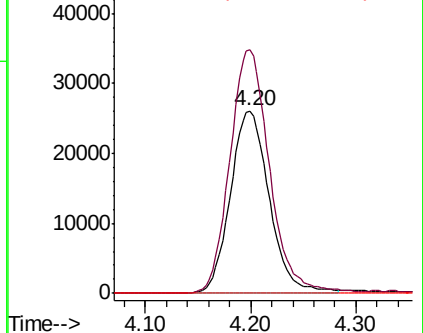
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034955.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU034955.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU034955.D (-949) (-)



#23

Bromochloromethane

Concen: 5.625 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Tgt Ion: 128 Resp: 30539

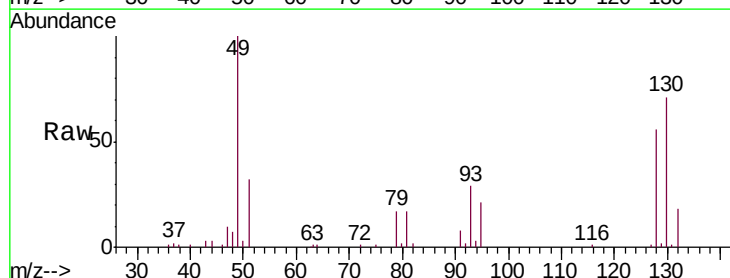
Ion Ratio Lower Upper

128 100

49 180.2 110.5 205.3

130 127.5 88.6 164.6

51 57.6 43.2 64.8

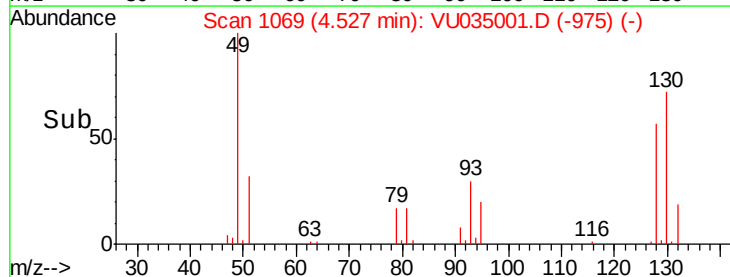
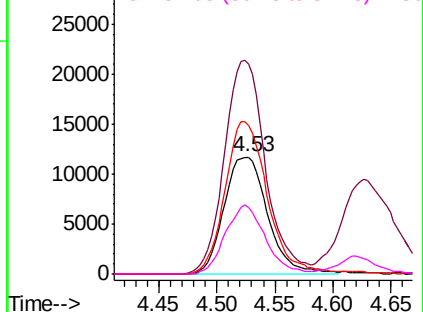


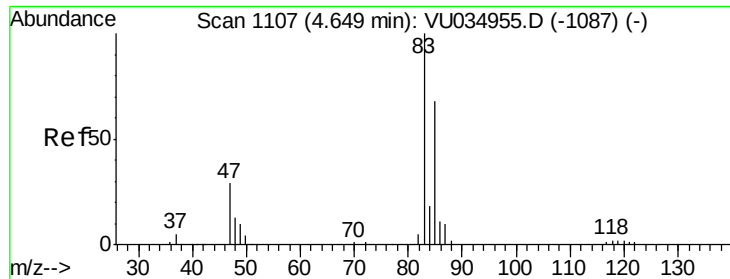
Abundance Ion 127.90 (127.60 to 128.60): VU034955.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU034955.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU034955.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU034955.D (-1052) (-)

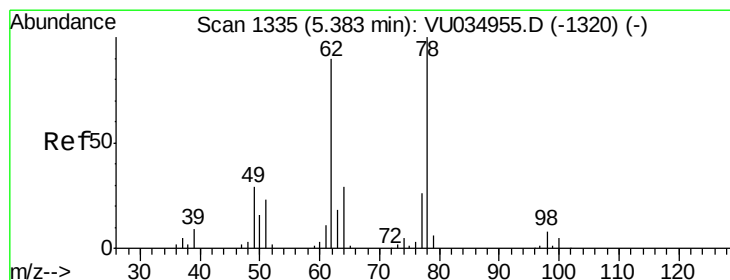
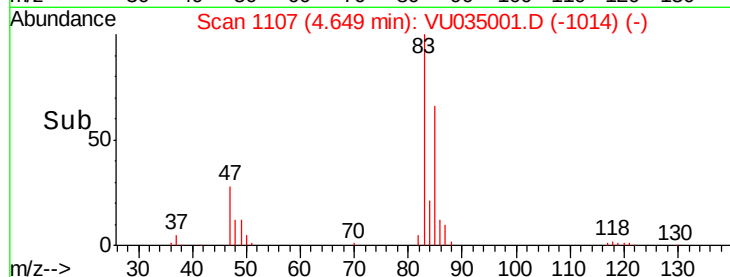
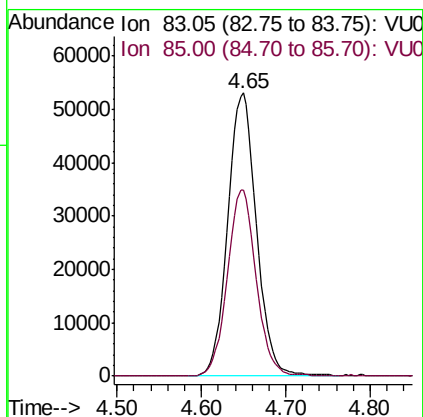
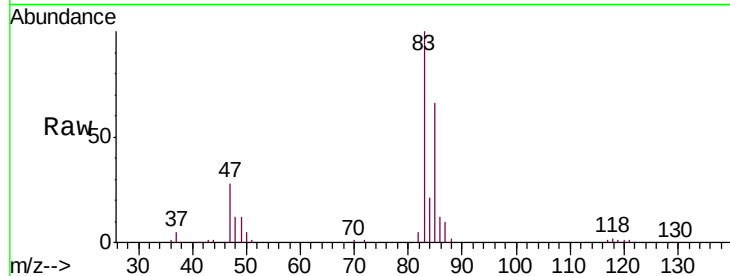




#25
Chloroform
Concen: 4.868 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

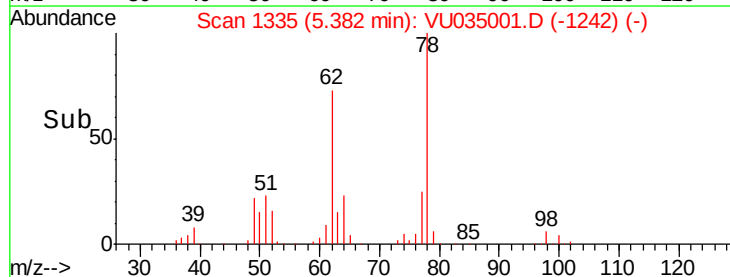
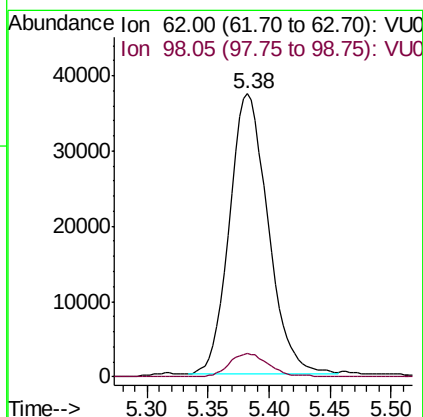
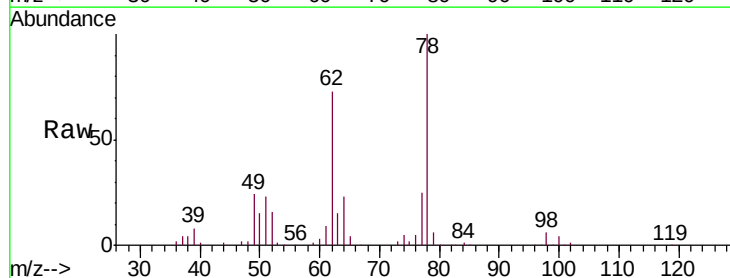
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

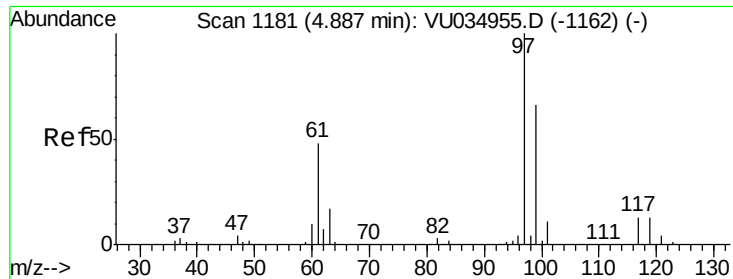
Tgt Ion: 83 Resp: 126254
Ion Ratio Lower Upper
83 100
85 66.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.430 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

Tgt Ion: 62 Resp: 82235
Ion Ratio Lower Upper
62 100
98 8.1 6.6 10.0

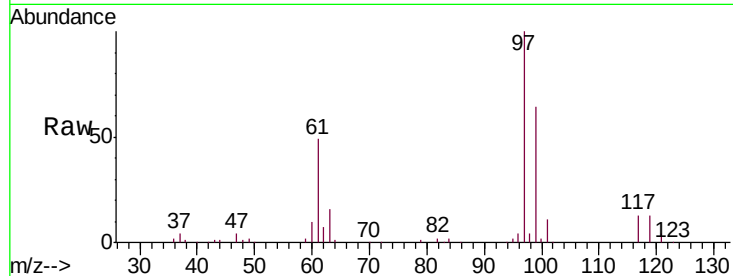




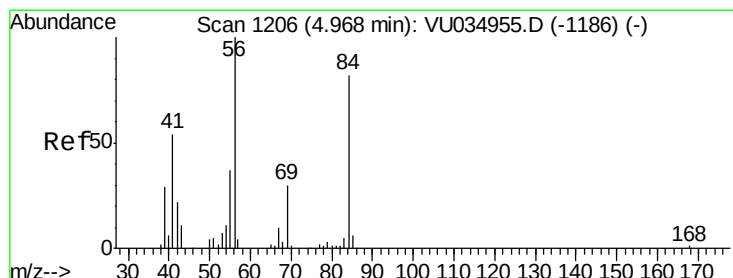
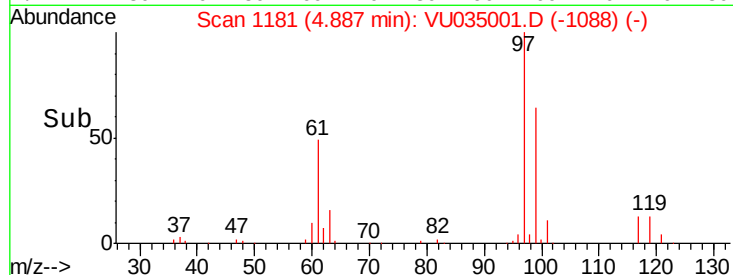
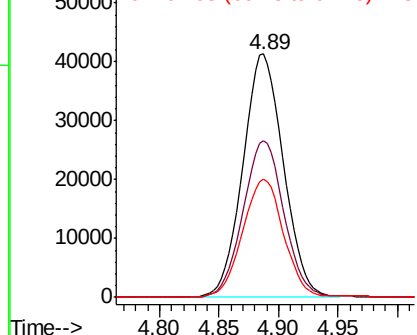
#29
 1,1,1-Trichloroethane
 Concen: 5.089 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion: 97 Resp: 97780
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.6 77.4
 61 49.0 36.2 54.4

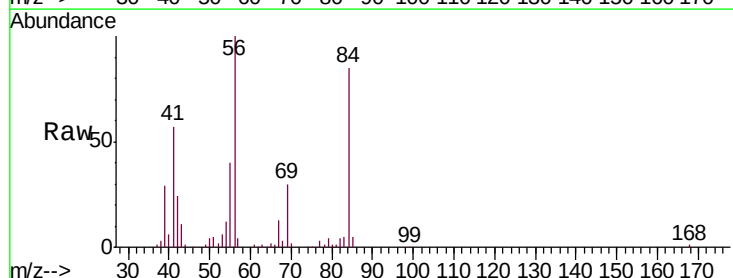


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

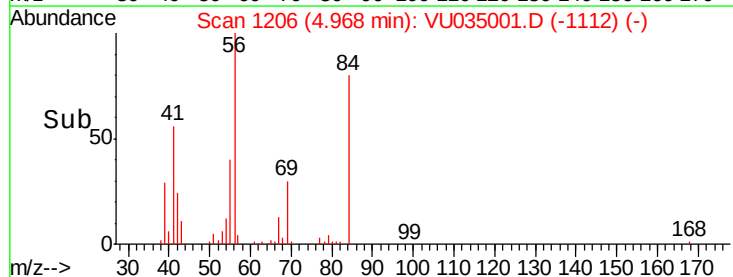
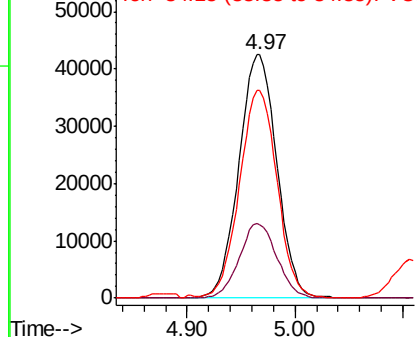


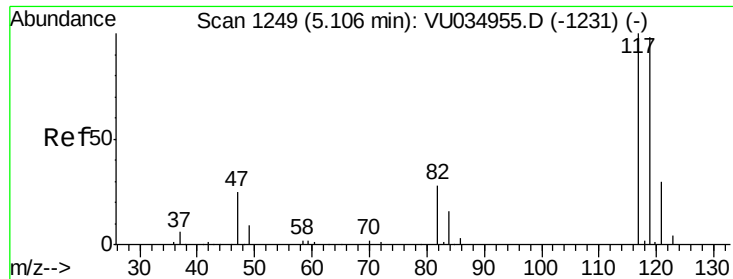
#30
 Cyclohexane
 Concen: 4.917 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Tgt Ion: 56 Resp: 103876
 Ion Ratio Lower Upper
 56 100
 69 30.3 23.9 35.9
 84 84.6 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: 5.200 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

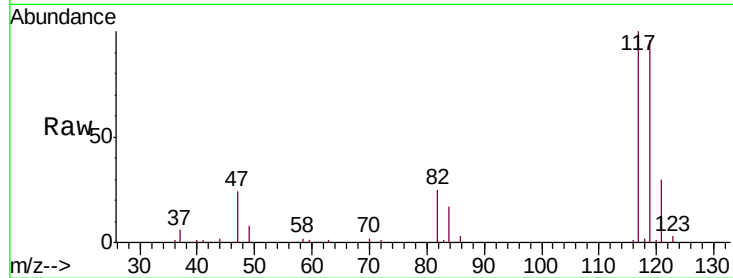
VSTD00509

Tgt Ion:117 Resp: 86631

Ion Ratio Lower Upper

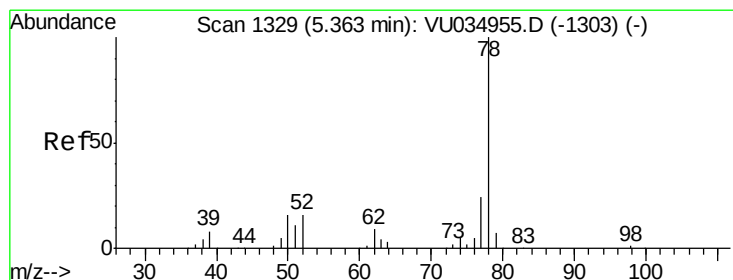
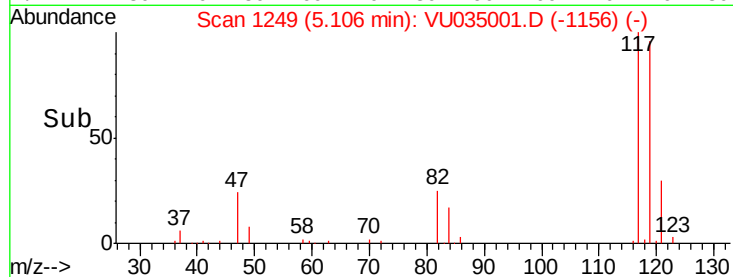
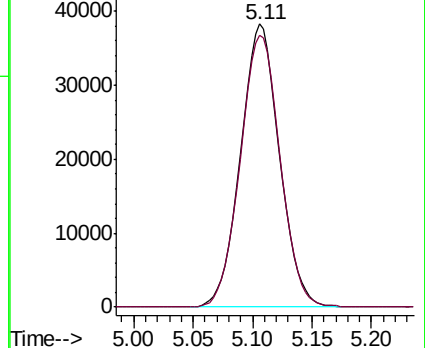
117 100

119 98.4 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.134 ug/L

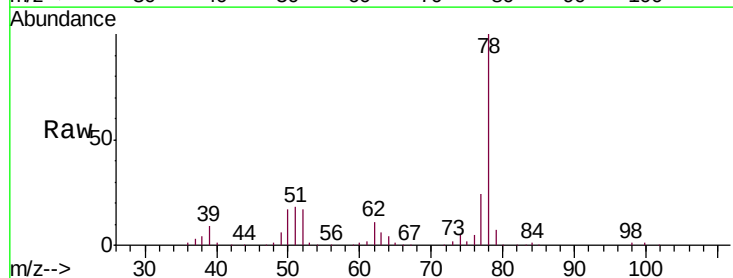
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

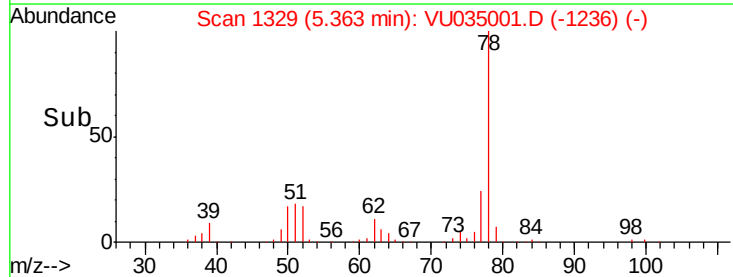
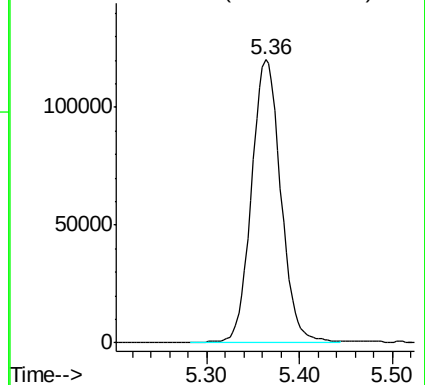
Lab File: VU035001.D

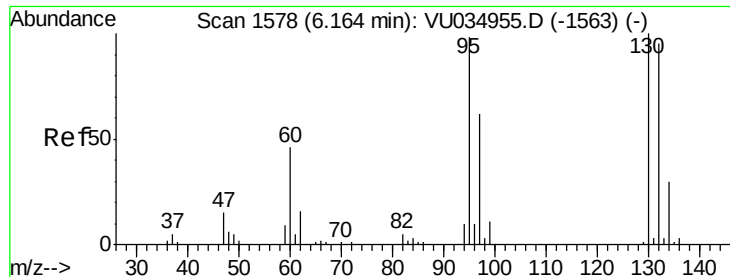
Acq: 09 Oct 2019 10:26

Tgt Ion: 78 Resp: 264539



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.126 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tgt Ion: 95 Resp: 68116

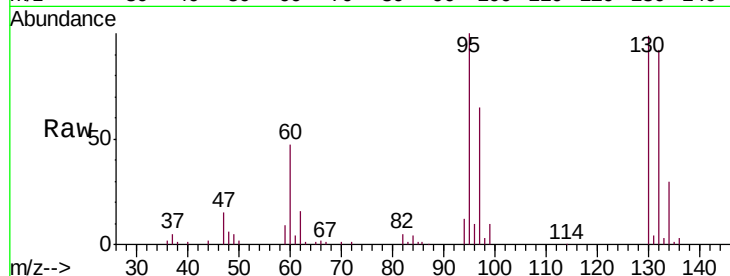
Ion Ratio Lower Upper

95 100

97 64.6 44.5 82.7

132 92.3 66.6 123.8

130 99.1 68.9 127.9

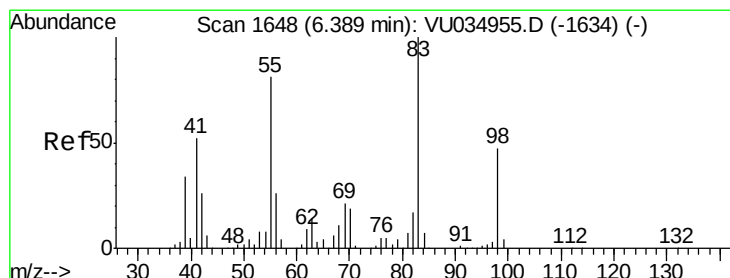
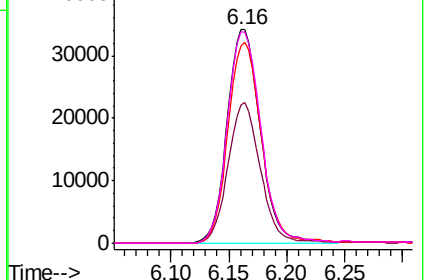
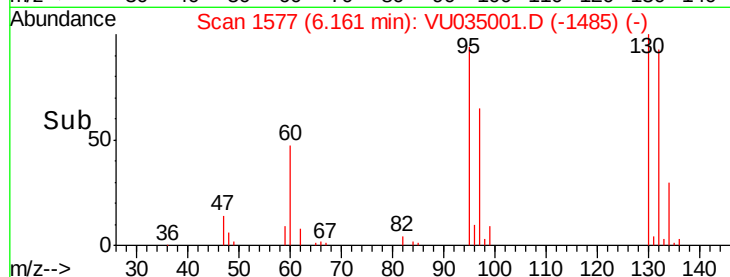


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.019 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

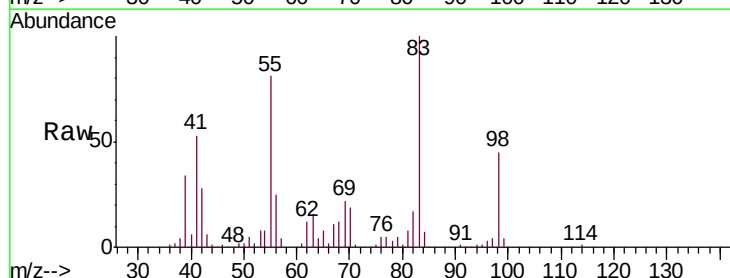
Tgt Ion: 83 Resp: 108017

Ion Ratio Lower Upper

83 100

55 81.3 62.6 94.0

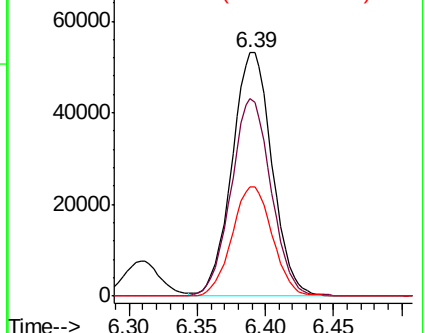
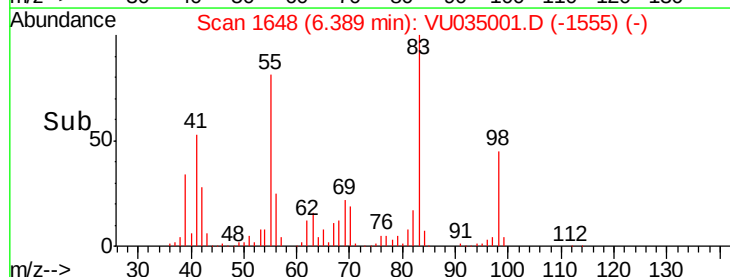
98 45.5 36.2 54.2

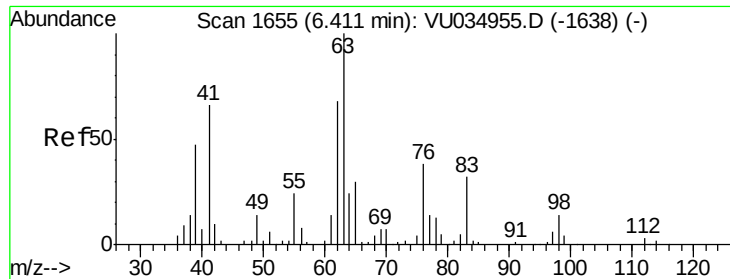


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

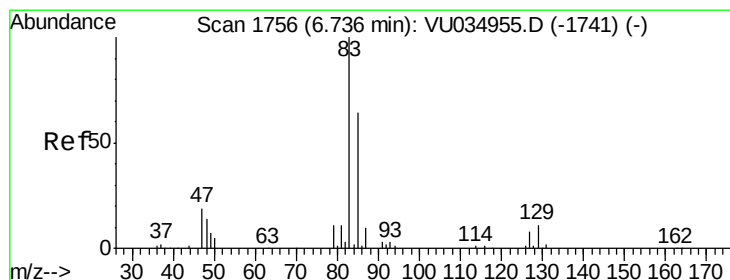
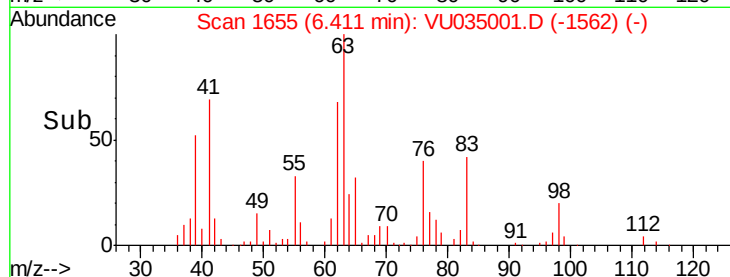
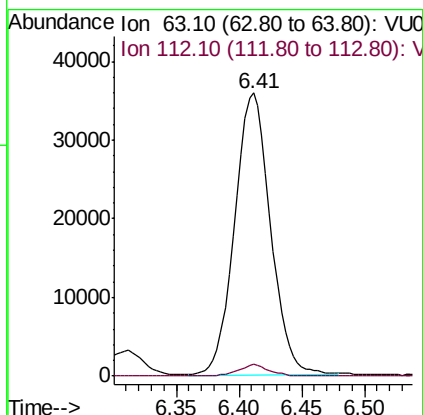
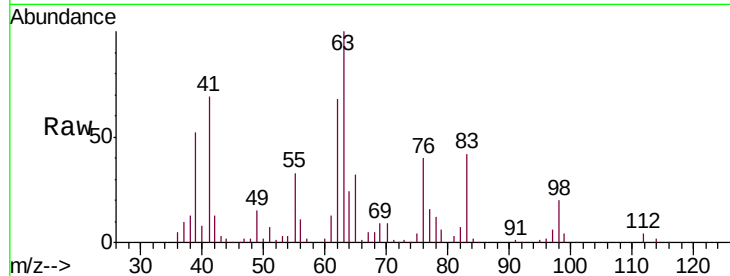




#37
 1,2-Dichloropropane
 Concen: 5.132 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

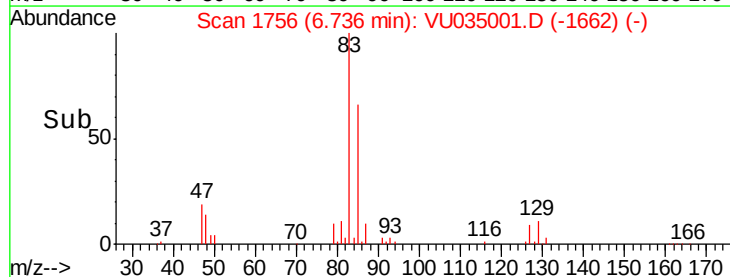
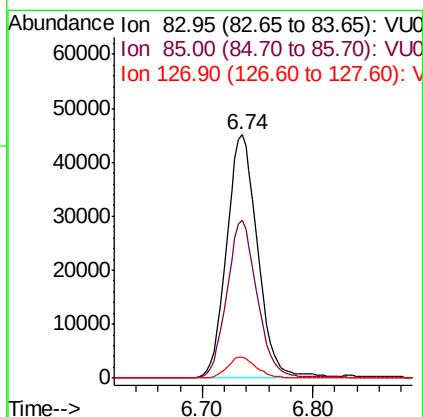
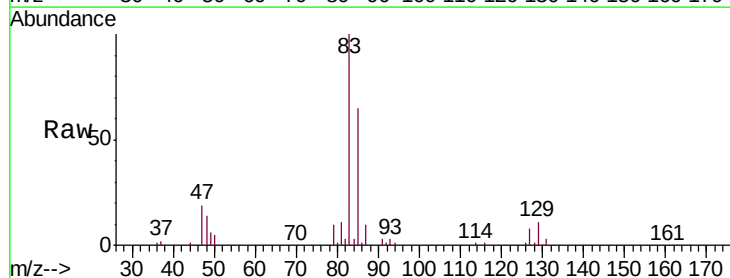
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

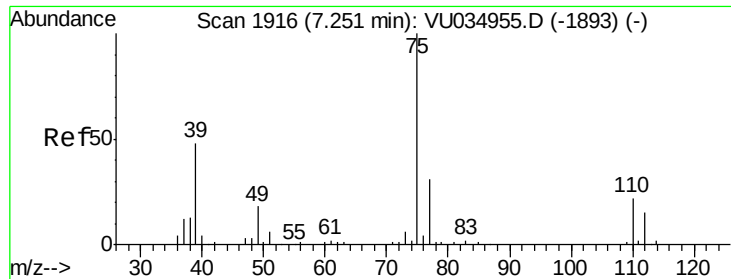
Tgt Ion: 63 Resp: 71330
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.413 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Tgt Ion: 83 Resp: 88199
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.0 81.8
 127 8.4 7.0 10.4

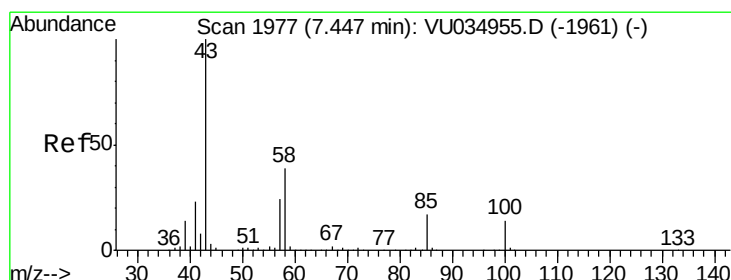
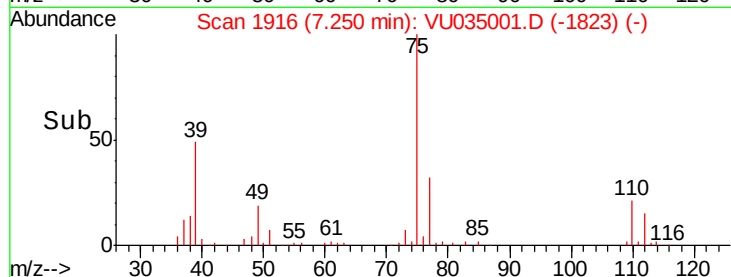
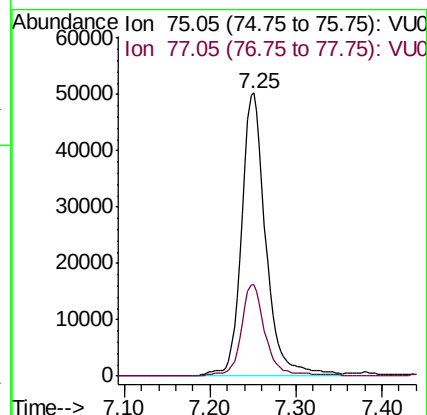
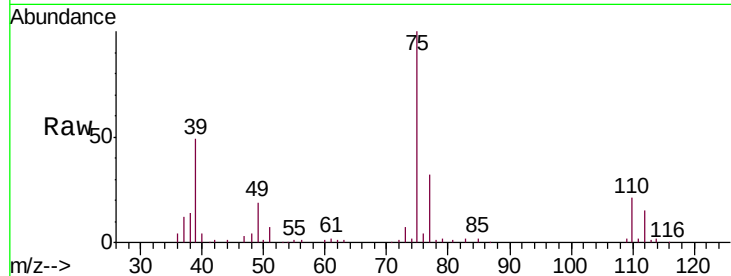




#39
 cis-1,3-Dichloropropene
 Concen: 5.242 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

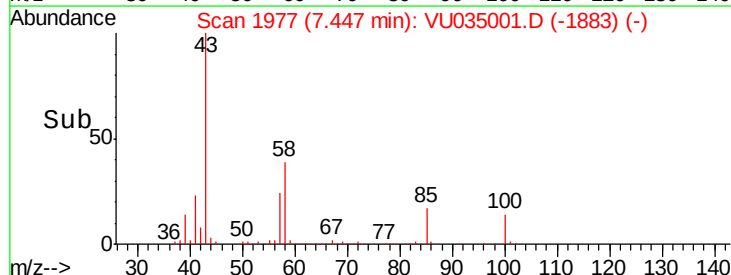
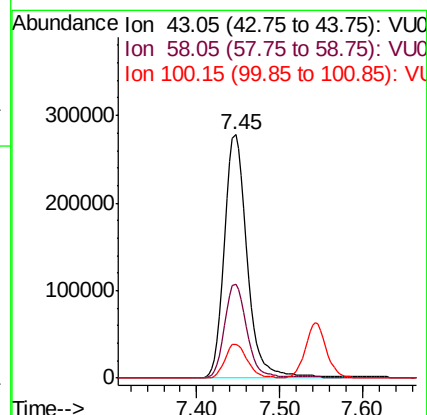
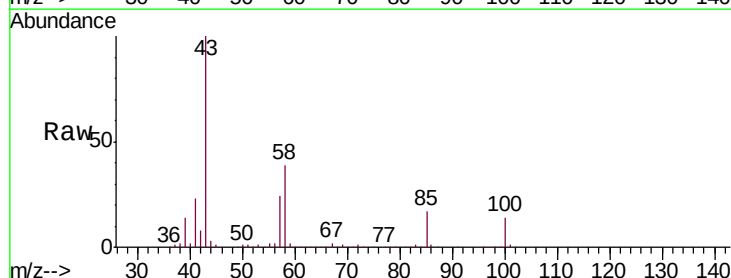
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

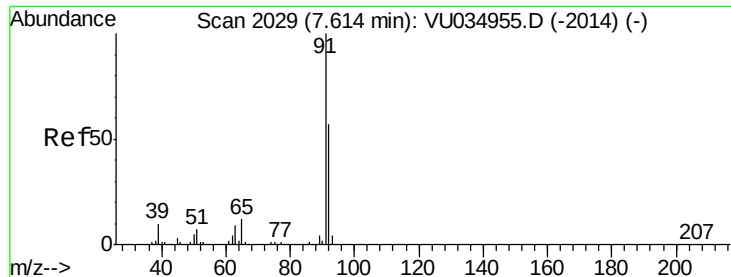
Tgt Ion: 75 Resp: 98706
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 60.471 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Tgt Ion: 43 Resp: 528996
 Ion Ratio Lower Upper
 43 100
 58 37.8 32.4 48.6
 100 13.7 11.9 17.9





#42

Toluene

Concen: 5.384 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

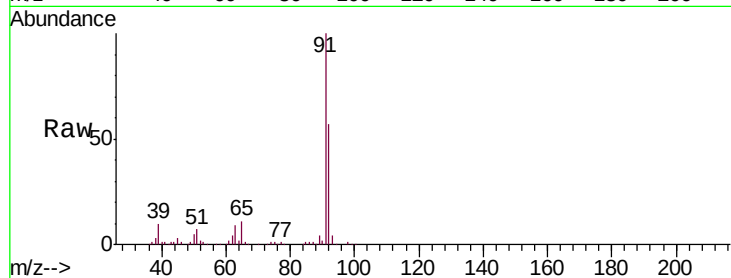
VSTD00509

Tgt Ion: 91 Resp: 289569

Ion Ratio Lower Upper

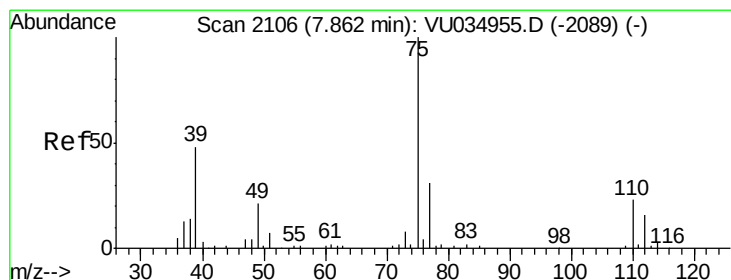
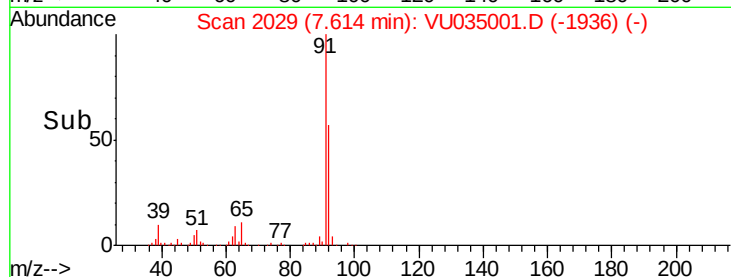
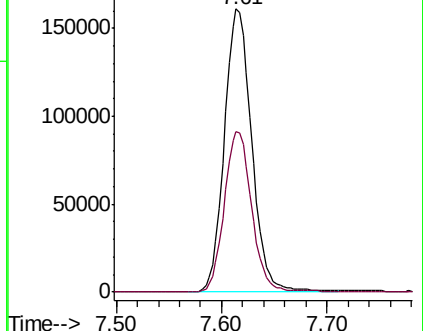
91 100

92 56.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU034955.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034955.D (-2014) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.370 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU035001.D

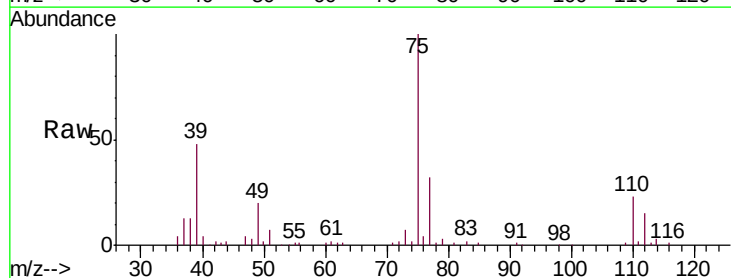
Acq: 09 Oct 2019 10:26

Tgt Ion: 75 Resp: 78325

Ion Ratio Lower Upper

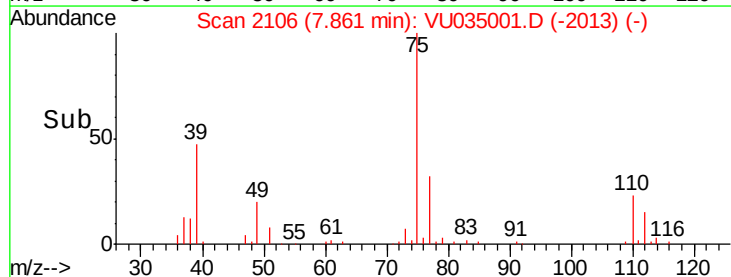
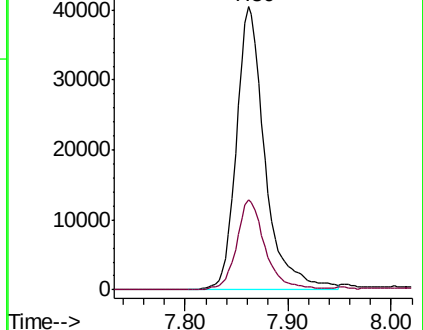
75 100

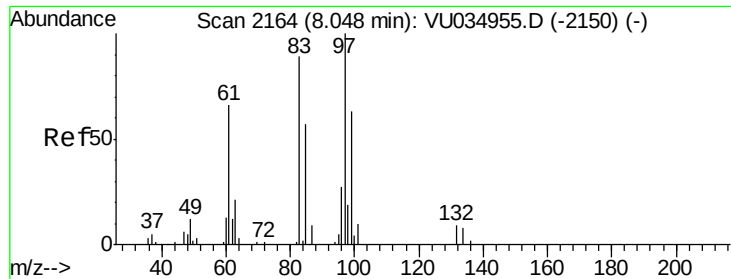
77 31.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU034955.D (-2089) (-)

Ion 77.05 (76.75 to 77.75): VU034955.D (-2089) (-)

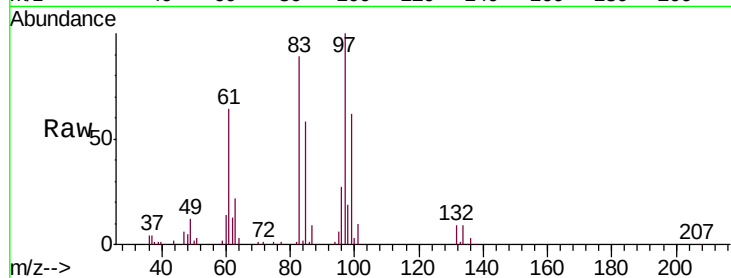




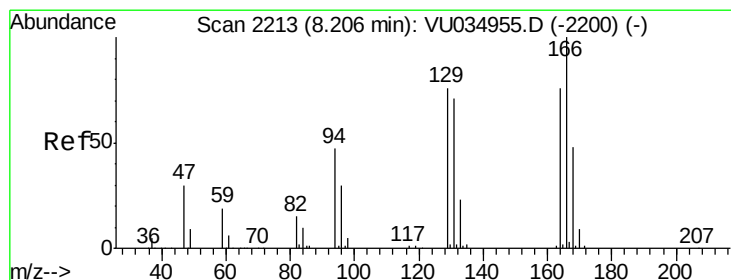
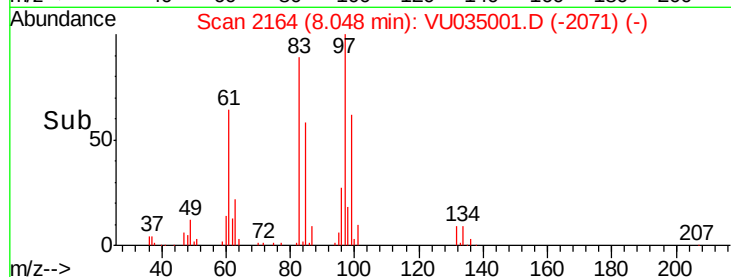
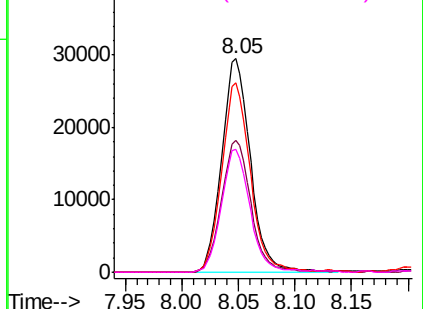
#45
 1,1,2-Trichloroethane
 Concen: 5.676 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion:	97	Resp:	52384
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.3	78.5
83	88.7	58.0	107.6
85	57.5	37.8	70.2

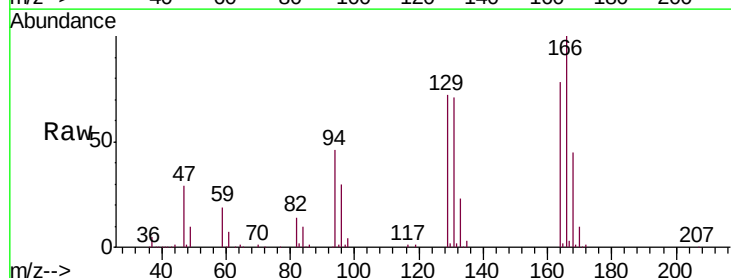


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

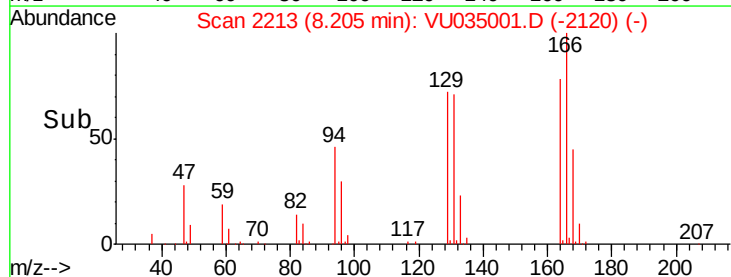
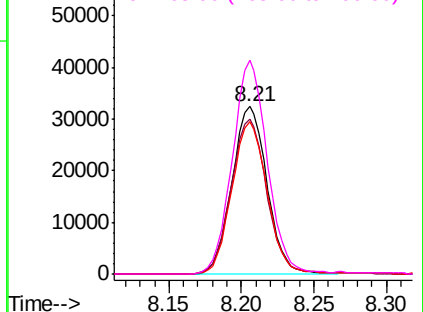


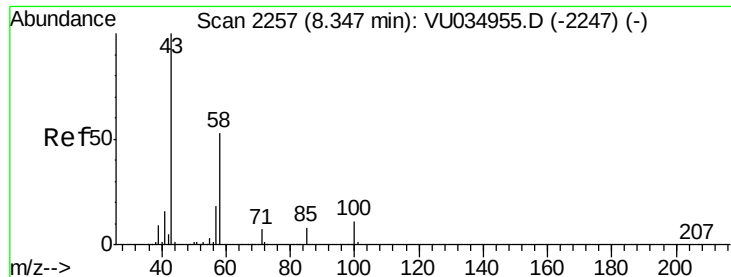
#47
 Tetrachloroethene
 Concen: 5.080 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Tgt Ion:	164	Resp:	54645
Ion	Ratio	Lower	Upper
164	100		
129	92.6	68.5	127.1
131	91.3	67.3	124.9
166	127.8	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

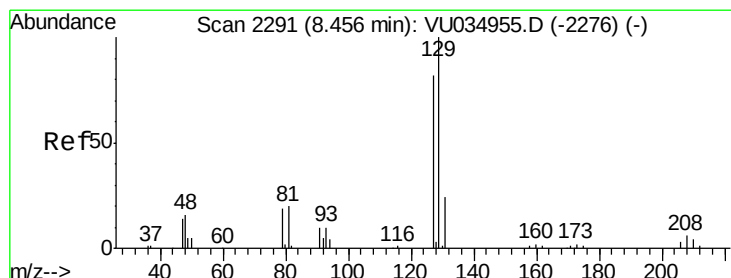
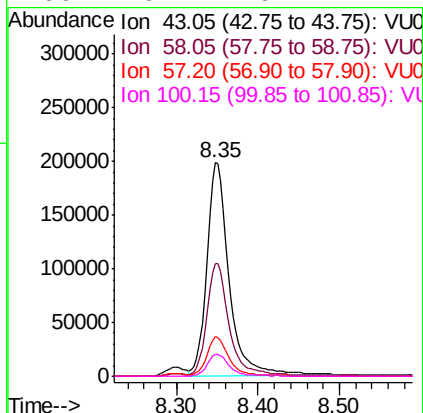
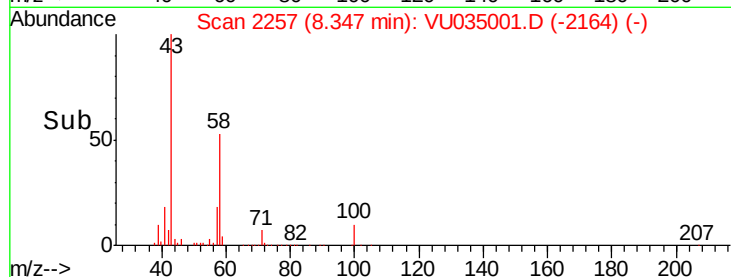
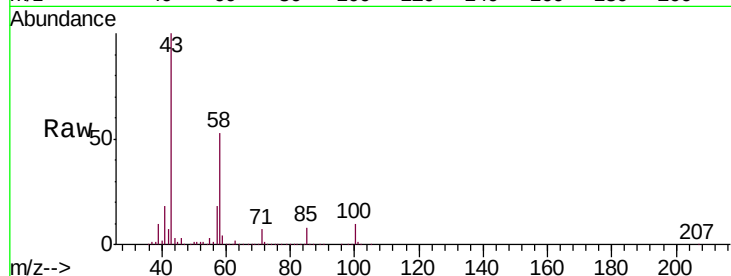




#48
2-Hexanone
Concen: 63.058 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. -0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

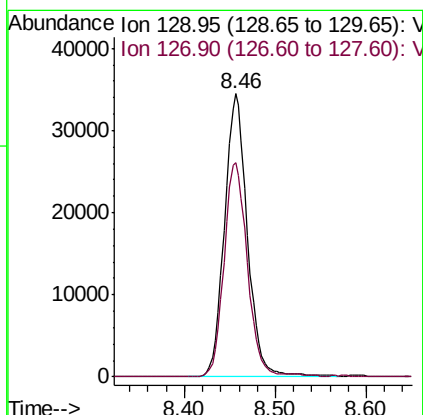
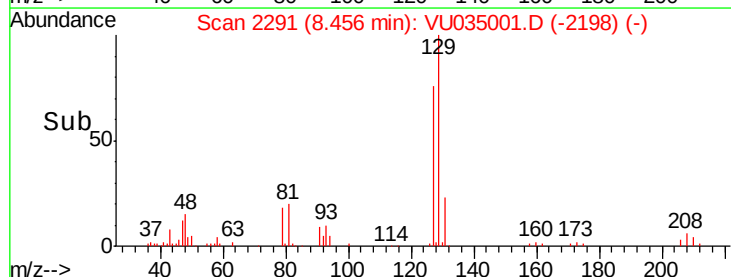
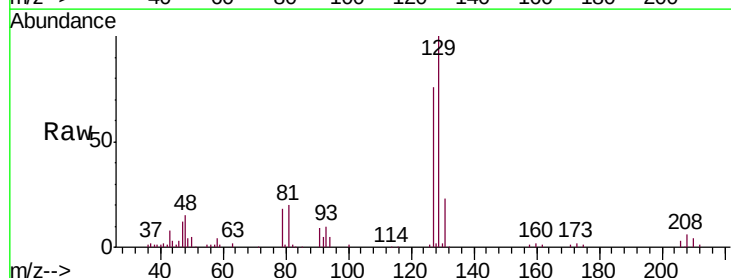
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

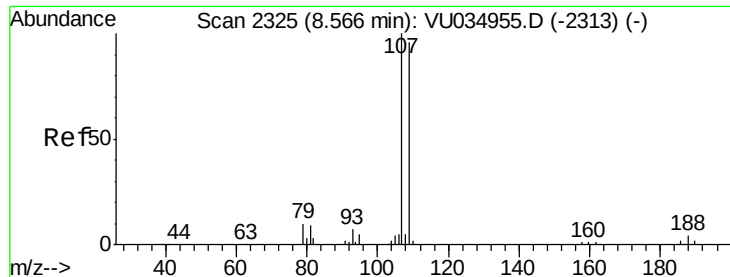
Tgt Ion:	43	Resp:	378216
Ion	Ratio	Lower	Upper
43	100		
58	51.8	44.1	66.1
57	18.4	15.8	23.8
100	10.4	9.4	14.2



#49
Dibromochloromethane
Concen: 5.682 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

Tgt Ion:	129	Resp:	60611
Ion	Ratio	Lower	Upper
129	100		
127	75.7	51.9	96.5

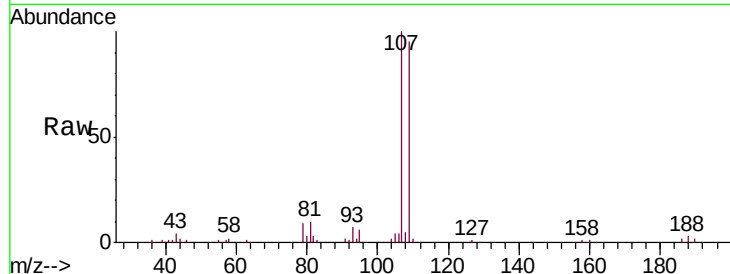




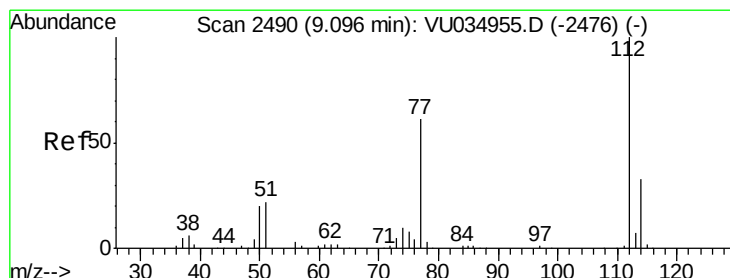
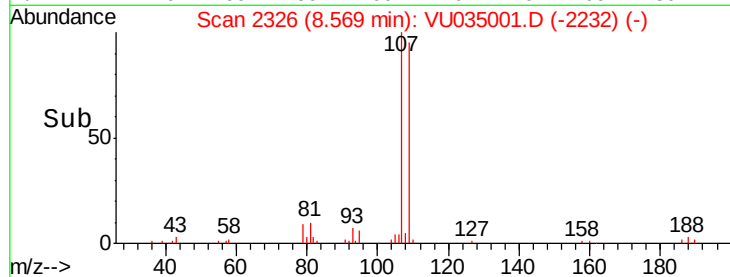
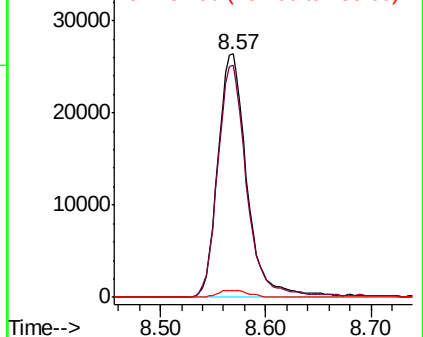
#50
1,2-Dibromoethane
Concen: 5.700 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion:107 Resp: 50279
Ion Ratio Lower Upper
107 100
109 95.2 64.8 120.4
188 2.9 3.0 4.6#

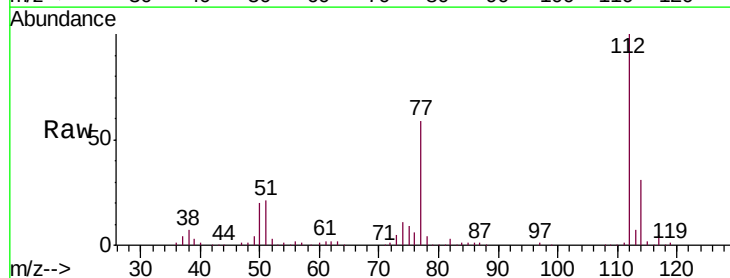


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

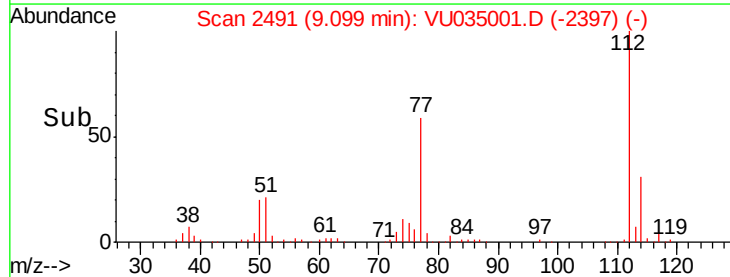
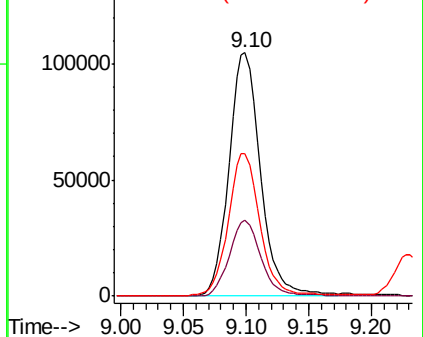


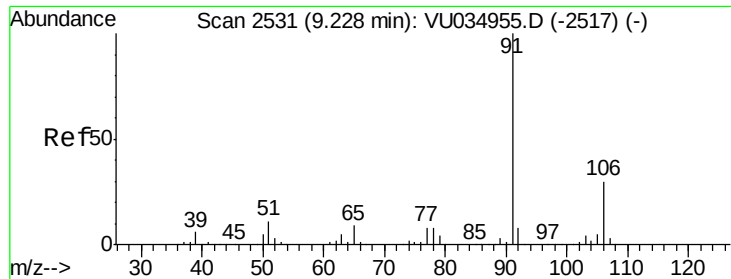
#51
Chlorobenzene
Concen: 5.252 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

Tgt Ion:112 Resp: 183073
Ion Ratio Lower Upper
112 100
114 31.1 22.1 41.1
77 58.6 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): VU





#52

Ethylbenzene

Concen: 5.248 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

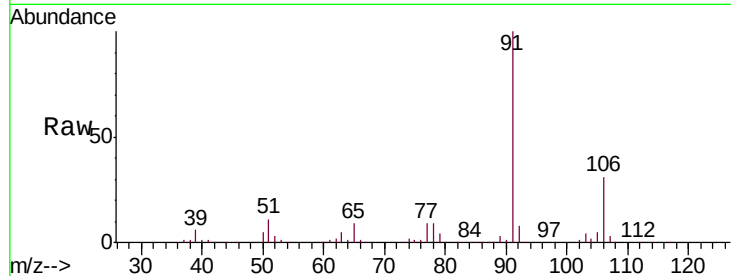
VSTD00509

Tgt Ion: 91 Resp: 311729

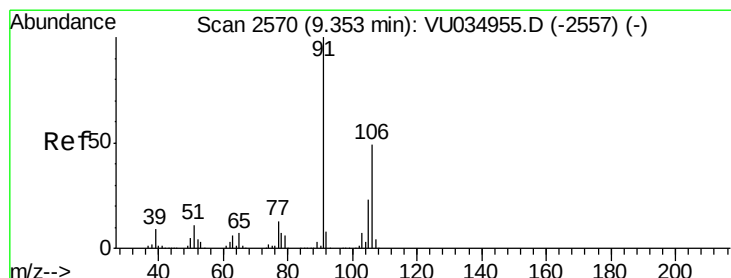
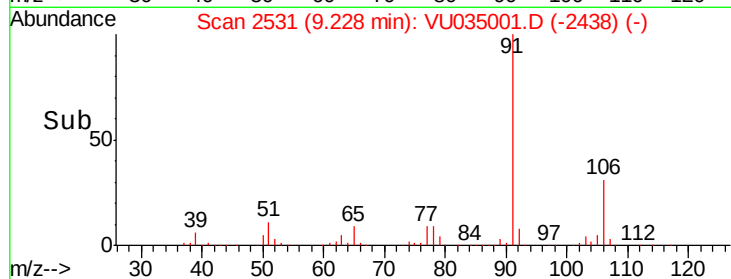
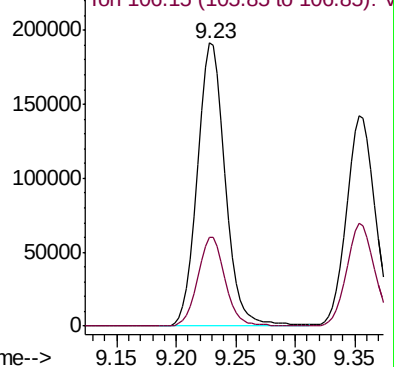
Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VU034955.D (-2517) (-)



#53

m,p-Xylene

Concen: 5.274 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU035001.D

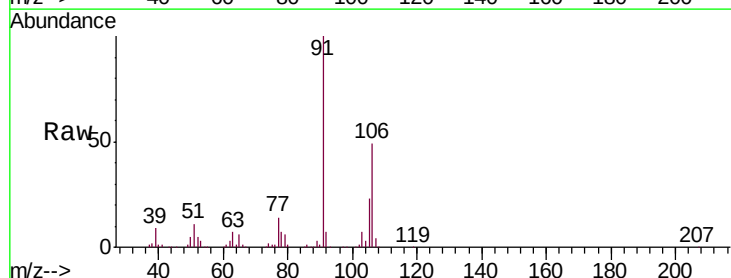
Acq: 09 Oct 2019 10:26

Tgt Ion: 106 Resp: 115739

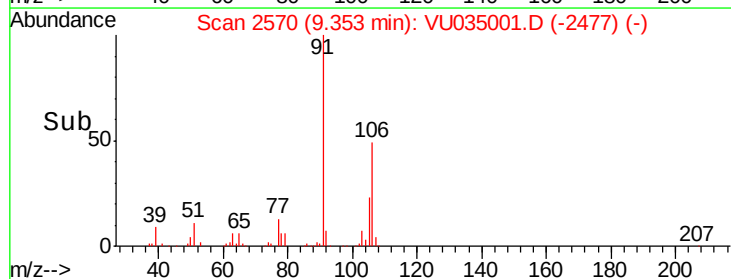
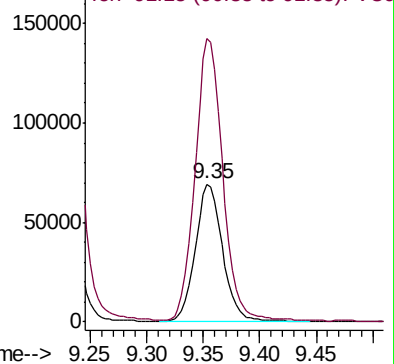
Ion Ratio Lower Upper

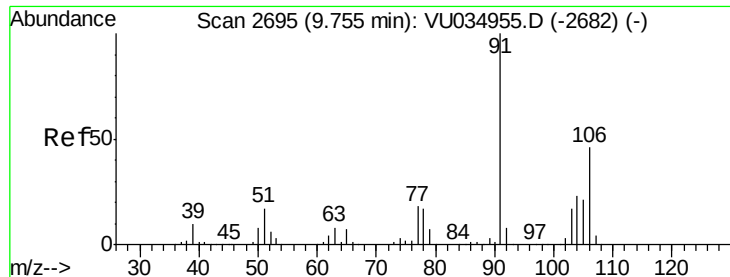
106 100

91 205.5 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU034955.D (-2557) (-)

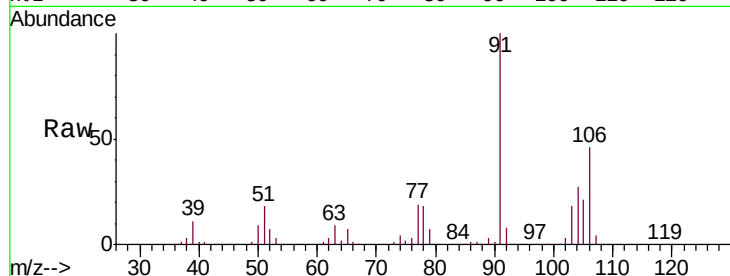




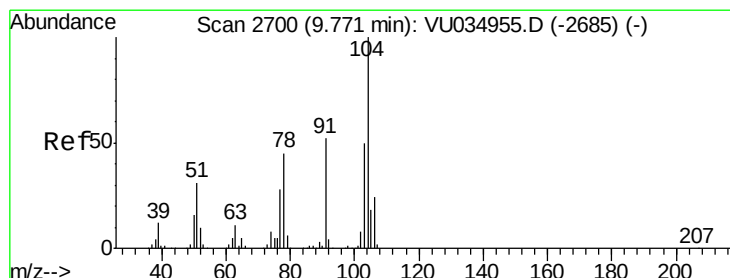
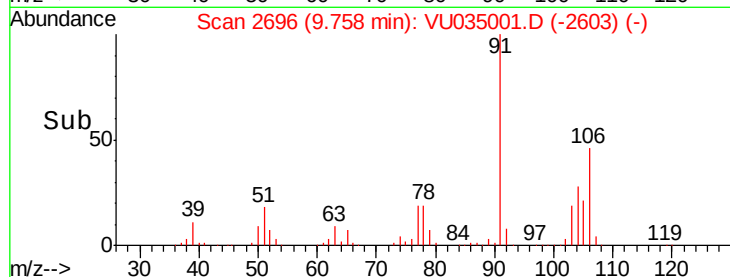
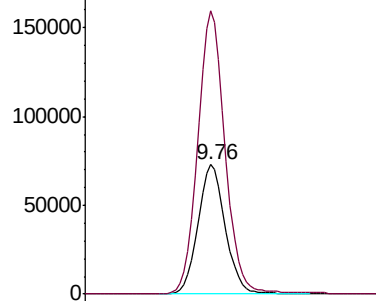
#54
o-Xylene
Concen: 5.341 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion:106 Resp: 114619
Ion Ratio Lower Upper
106 100
91 218.8 148.5 275.7

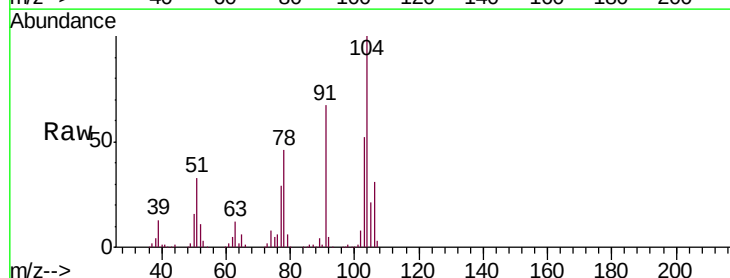


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

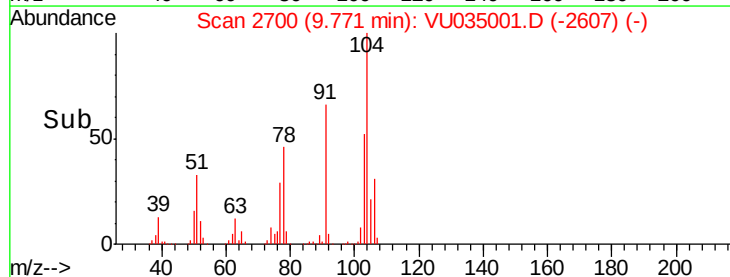
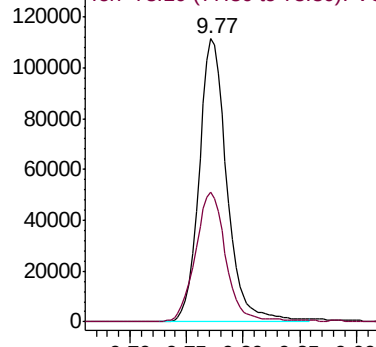


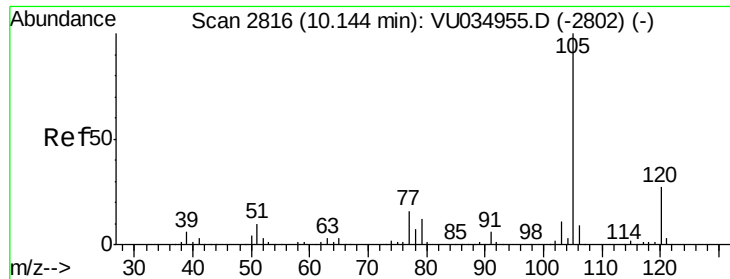
#55
Styrene
Concen: 5.499 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU035001.D
Acq: 09 Oct 2019 10:26

Tgt Ion:104 Resp: 191095
Ion Ratio Lower Upper
104 100
78 45.7 32.8 60.8



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





#56

Isopropylbenzene

Concen: 5.341 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

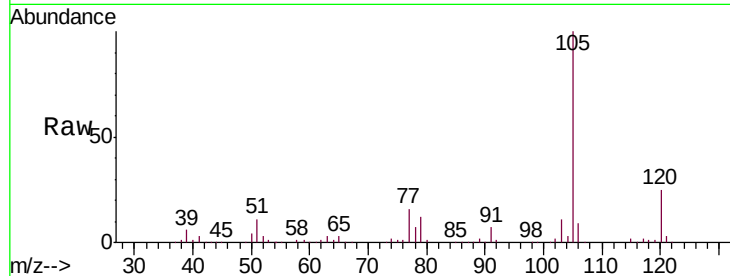
Tgt Ion: 105 Resp: 305351

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

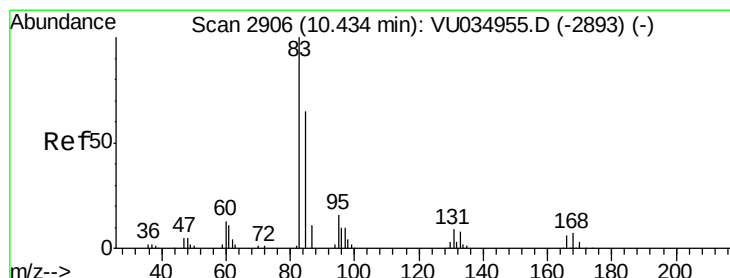
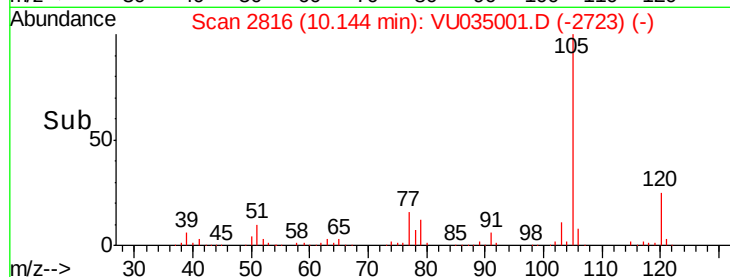
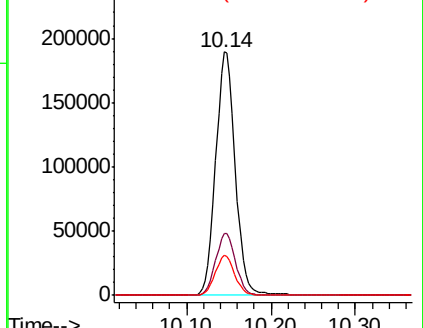
77 16.4 13.0 19.4



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: 5.799 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

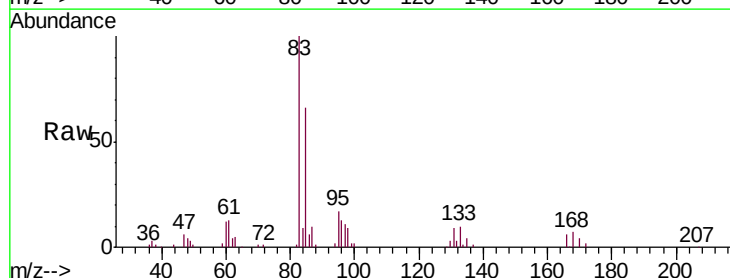
Tgt Ion: 83 Resp: 72780

Ion Ratio Lower Upper

83 100

85 65.6 44.6 82.8

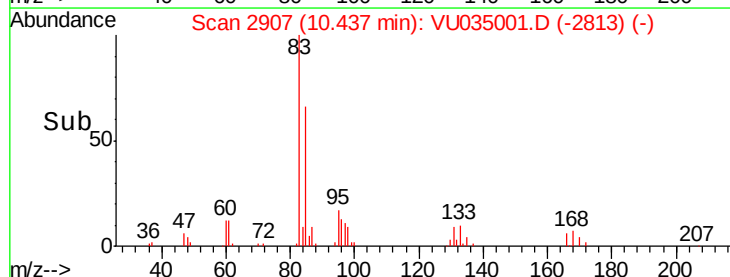
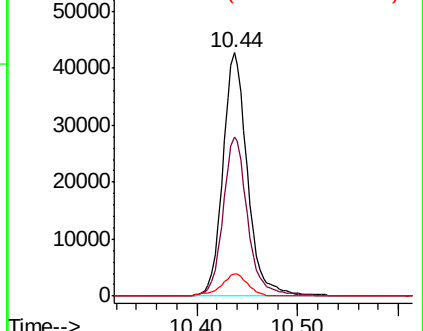
131 9.3 7.4 11.2

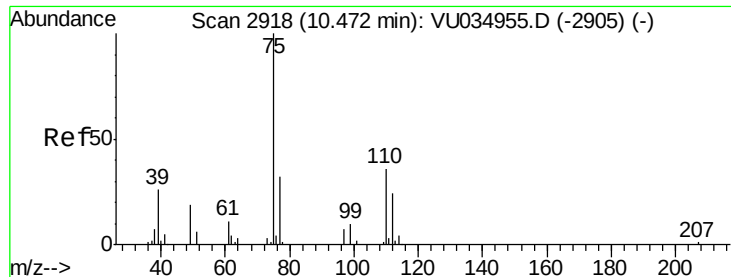


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

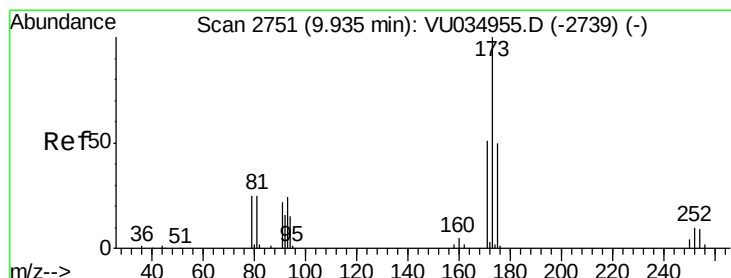
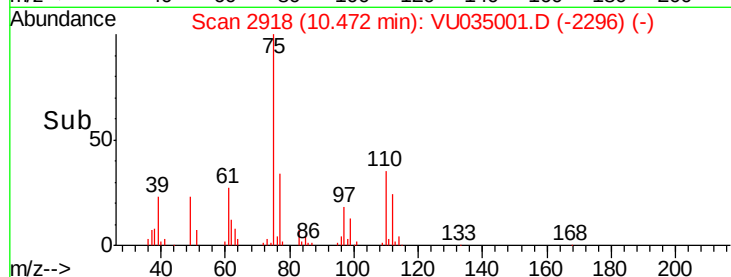
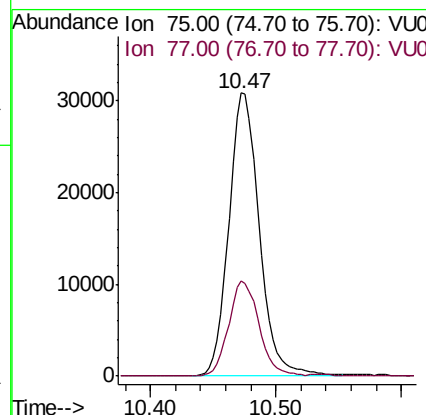
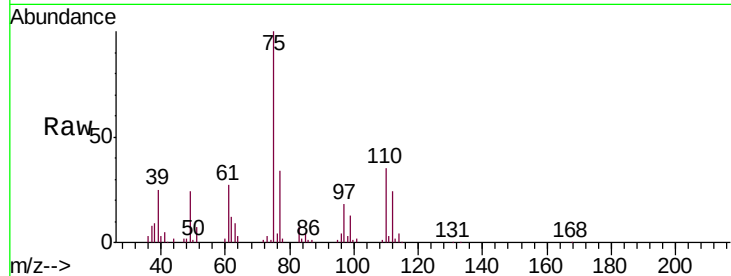




#59
 1,2,3-Trichloropropane
 Concen: 5.794 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. -0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

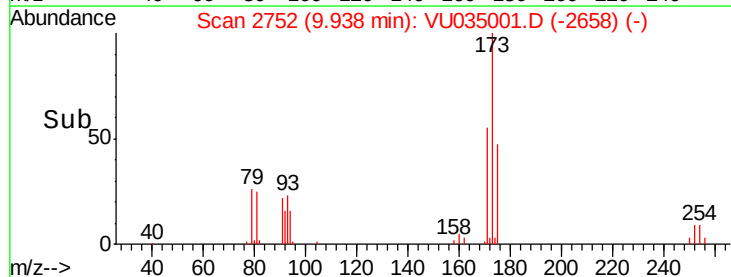
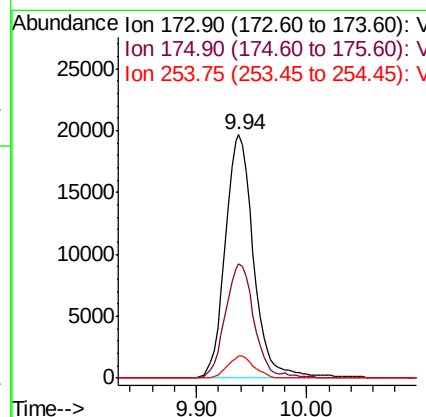
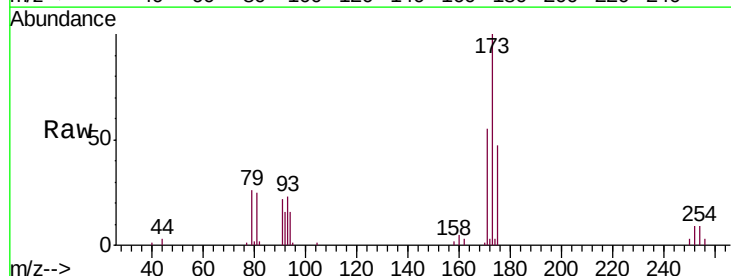
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

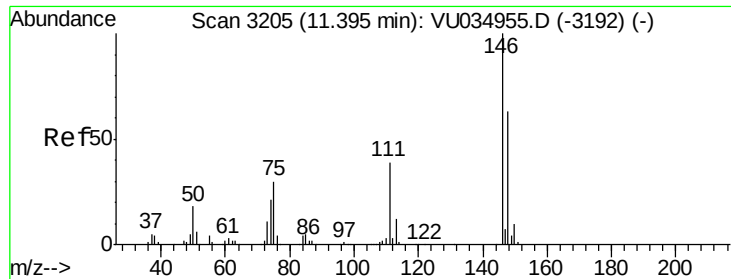
Tgt Ion: 75 Resp: 52125
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.5 39.7



#61
 Bromoform
 Concen: 6.019 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Tgt Ion: 173 Resp: 35034
 Ion Ratio Lower Upper
 173 100
 175 47.8 37.2 55.8
 254 8.4 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 5.395 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

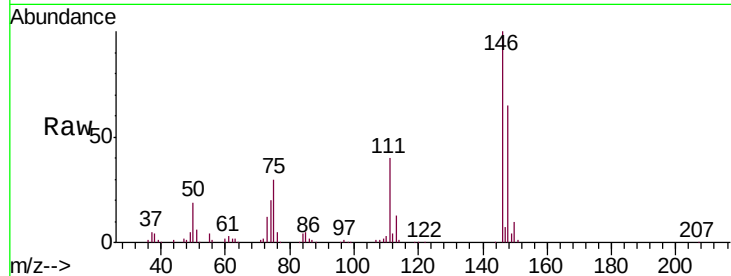
Tgt Ion:146 Resp: 141030

Ion Ratio Lower Upper

146 100

111 39.8 28.6 53.2

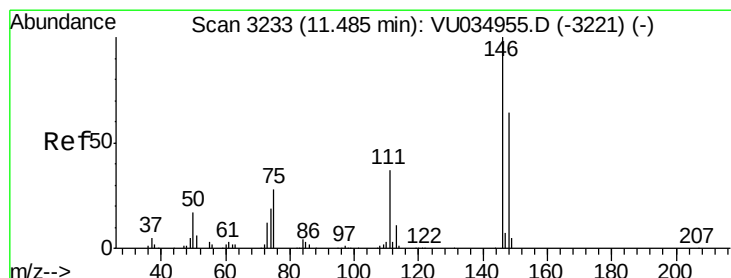
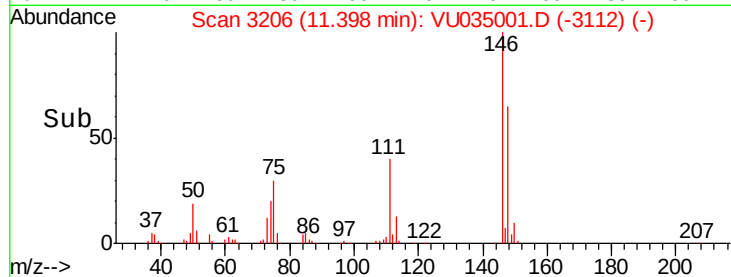
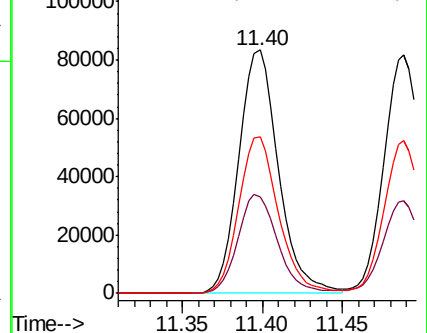
148 64.5 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.421 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

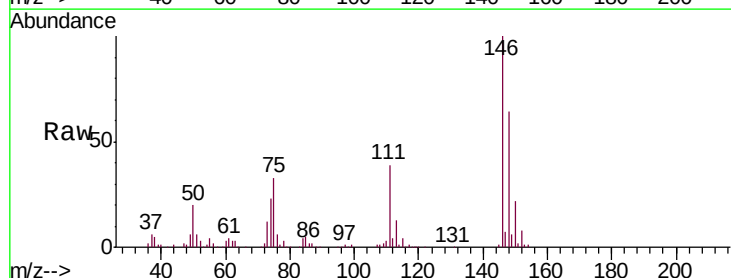
Tgt Ion:146 Resp: 143015

Ion Ratio Lower Upper

146 100

111 39.0 27.9 51.7

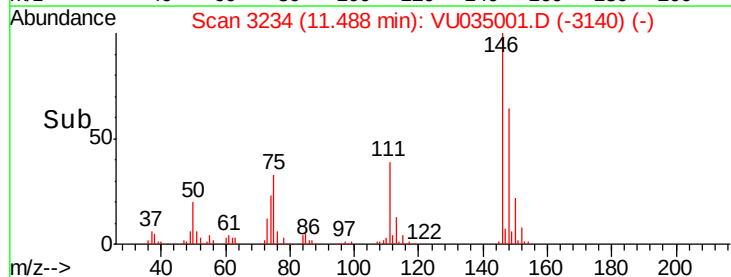
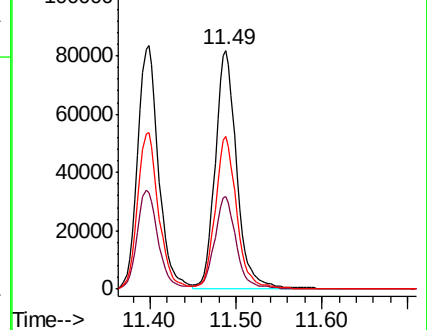
148 63.9 44.1 81.9

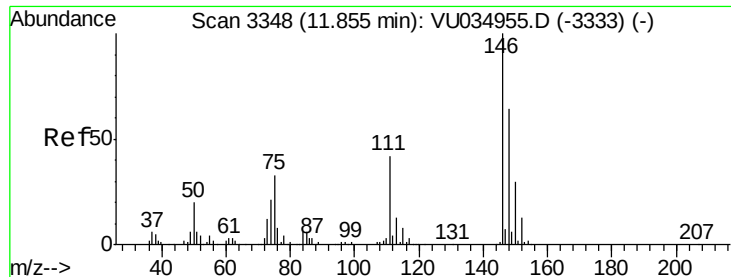


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

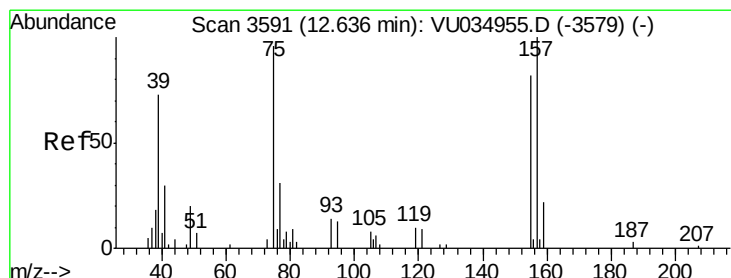
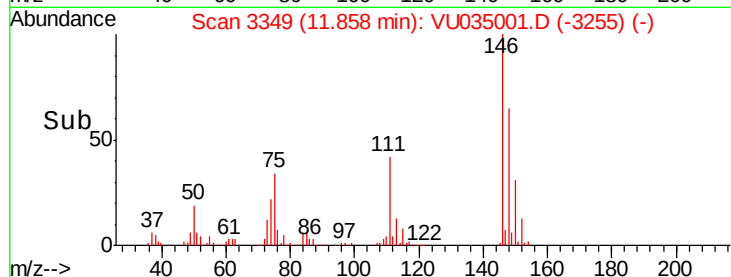
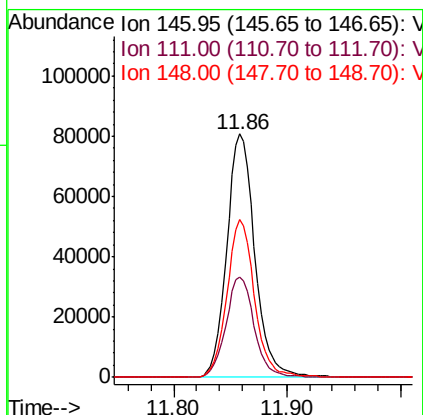
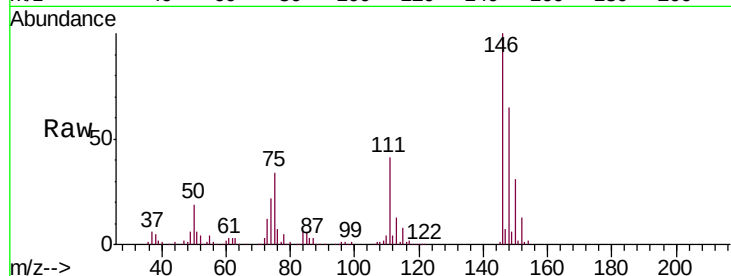




#65
 1,2-Dichlorobenzene
 Concen: 5.534 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

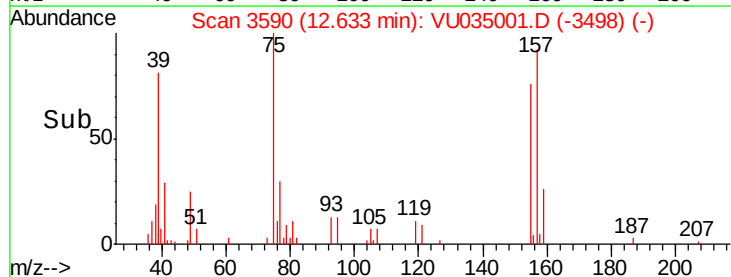
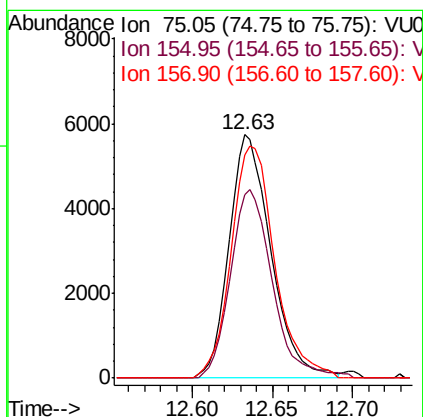
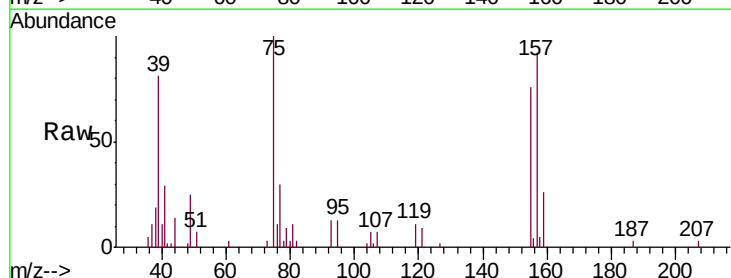
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

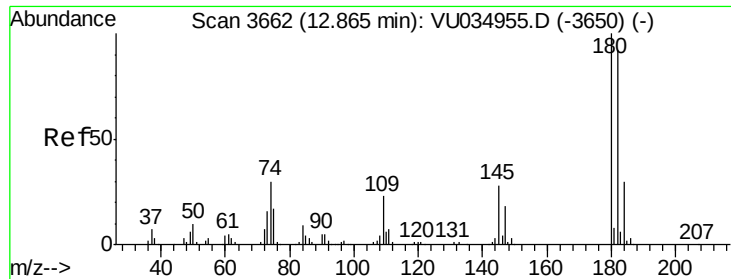
Tgt Ion: 146 Resp: 139584
 Ion Ratio Lower Upper
 146 100
 111 41.4 34.2 51.4
 148 64.7 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.406 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Tgt Ion: 75 Resp: 10269
 Ion Ratio Lower Upper
 75 100
 155 75.6 67.1 100.7
 157 91.6 83.7 125.5

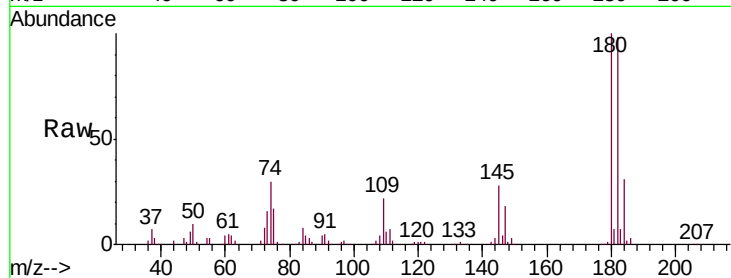




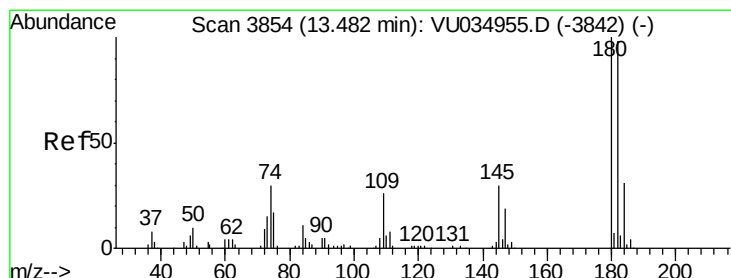
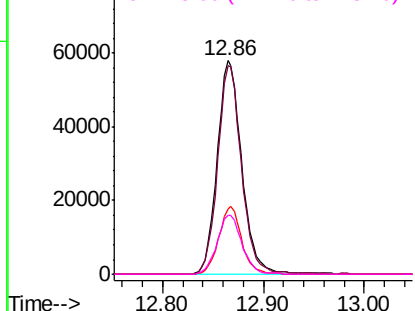
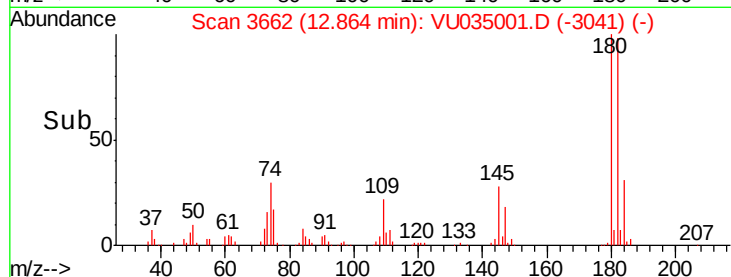
#67
 1,3,5-Trichlorobenzene
 Concen: 5.555 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion:180 Resp: 98334
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.0 114.0
 184 29.8 24.2 36.2
 145 27.9 24.6 37.0

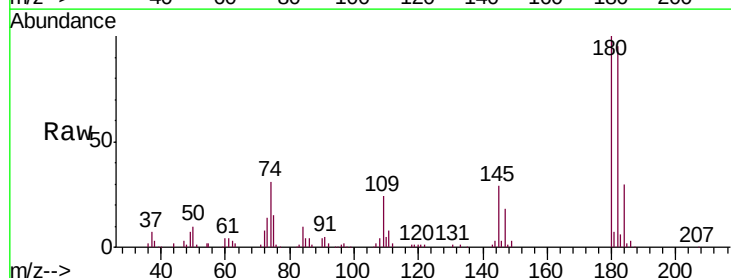


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

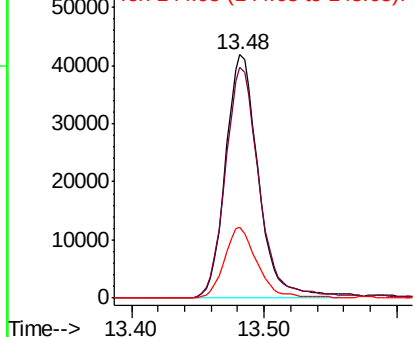
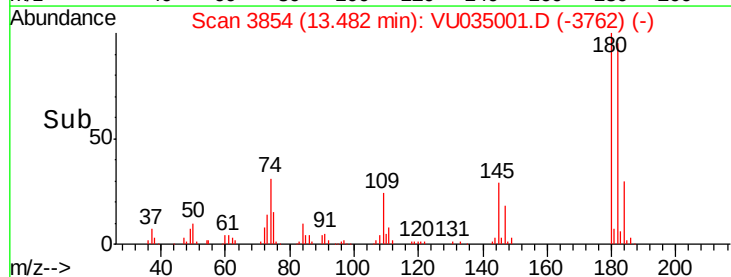


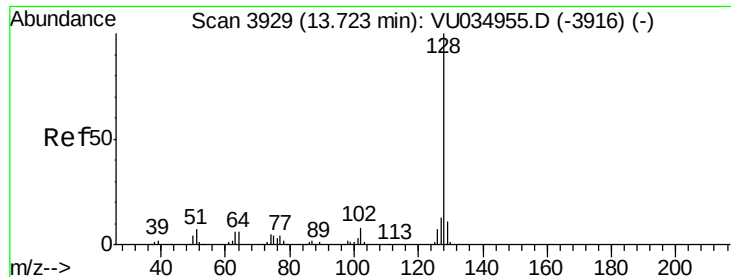
#68
 1,2,4-trichlorobenzene
 Concen: 5.457 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU035001.D
 Acq: 09 Oct 2019 10:26

Tgt Ion:180 Resp: 72138
 Ion Ratio Lower Upper
 180 100
 182 98.3 77.3 115.9
 145 28.6 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: 5.655 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

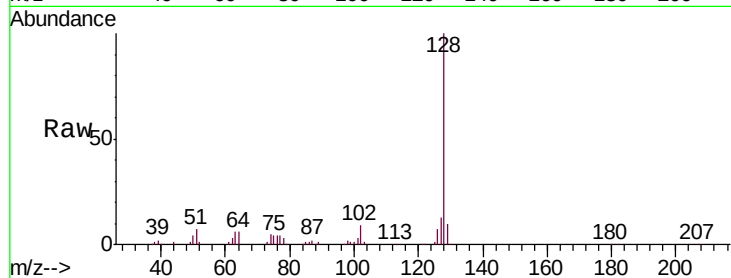
Tgt Ion:128 Resp: 116251

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

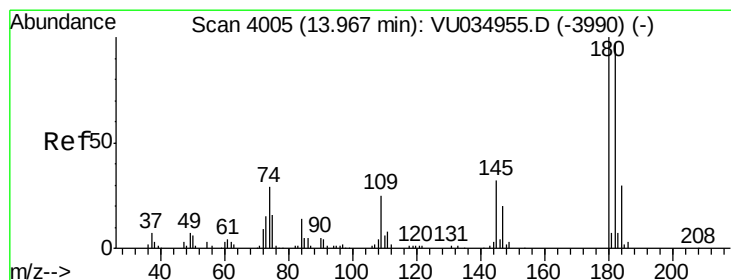
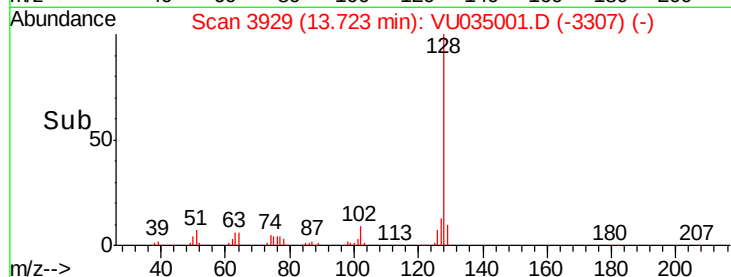
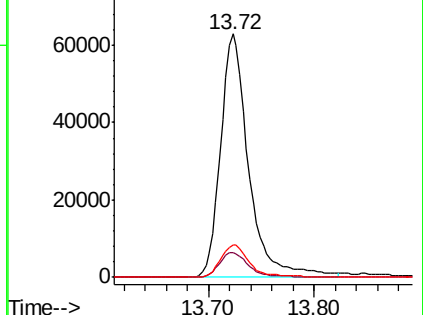
127 13.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.747 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU035001.D

Acq: 09 Oct 2019 10:26

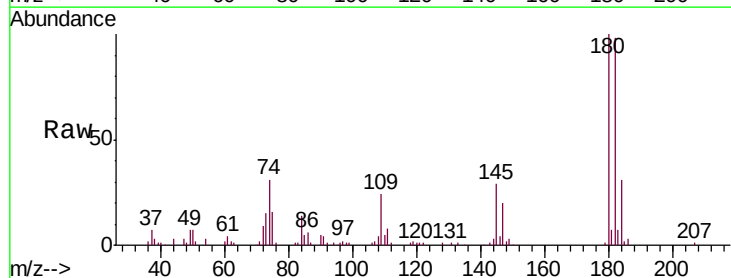
Tgt Ion:180 Resp: 73878

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.4

145 30.0 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

