

Data File : VU036351.D
Acq On : 27 Dec 2019 12:41
Operator : JC/MD
Sample : VSTD010
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Quant Time: Dec 27 13:49:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 27 13:46:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	525395	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	495357	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	214804	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	40242	7.42	ug/L	0.00
7) Chloroethane-d5	1.93	69	36188	7.77	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	70127	9.43	ug/L	0.00
21) 2-Butanone-d5	4.68	46	58684	22.01	ug/L	0.00
24) Chloroform-d	5.11	84	68549	8.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	47262	9.31	ug/L	0.00
32) Benzene-d6	5.77	84	138134	9.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	46749	10.71	ug/L	0.00
41) Toluene-d8	7.93	98	130473	10.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	24896	11.76	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	48405	27.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	70599	10.33	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	45599	10.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	40678	7.746 ug/L	94
3) Chloromethane	1.54	50	37422	6.780 ug/L	99
5) Vinyl chloride	1.62	62	44101	7.559 ug/L	99
6) Bromomethane	1.87	94	19811	5.813 ug/L	97
8) Chloroethane	1.95	64	26243	7.622 ug/L	98
9) Trichlorofluoromethane	2.16	101	57485	7.665 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	28628	7.976 ug/L	93
12) 1,1-Dichloroethene	2.61	96	29533	8.663 ug/L	82
13) Acetone	2.66	43	68352	21.449 ug/L	98
14) Carbon disulfide	2.82	76	91228	8.511 ug/L	99
15) Methyl Acetate	2.99	43	41816	9.854 ug/L	99
16) Methylene chloride	3.08	84	37461	8.842 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	30671	8.541 ug/L	97
18) Methyl tert-butyl Ether	3.41	73	118498	11.047 ug/L	99
19) 1,1-Dichloroethane	3.92	63	65058	9.371 ug/L	97
20) cis-1,2-Dichloroethene	4.72	96	38649	9.615 ug/L	# 91
22) 2-Butanone	4.76	43	74720	22.184 ug/L	99
23) Bromochloromethane	5.02	128	18396	8.271 ug/L	94
25) Chloroform	5.13	83	68504	9.170 ug/L	96
27) 1,2-Dichloroethane	5.84	62	52193	9.017 ug/L	98
29) Cyclohexane	5.43	56	54064	11.269 ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	59994	10.751 ug/L	97
31) Carbon tetrachloride	5.57	117	51325	10.302 ug/L	99
33) Benzene	5.82	78	142156	10.084 ug/L	100
34) Trichloroethene	6.58	95	37068	10.320 ug/L	93
35) Methylcyclohexane	6.80	83	57182	10.992 ug/L	99
37) 1,2-Dichloropropane	6.83	63	39432	10.741 ug/L	# 92
38) Bromodichloromethane	7.14	83	55683	11.251 ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	67047	12.129 ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	131365	27.704 ug/L	95

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Quant Title : VOC Analysis
QLast Update : Fri Dec 27 13:46:20 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	156700	10.475	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	61487	11.911	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	35805	9.746	ug/L	95
46) Tetrachloroethene	8.58	164	25141	8.124	ug/L	96
48) 2-Hexanone	8.72	43	98923	25.004	ug/L	97
49) Dibromochloromethane	8.84	129	44377	10.477	ug/L	98
50) 1,2-Dibromoethane	8.95	107	41531	10.468	ug/L	99
51) Chlorobenzene	9.47	112	98850	9.832	ug/L	99
52) Ethylbenzene	9.60	91	176554	11.179	ug/L	100
53) m,p-Xylene	9.72	106	65606	10.754	ug/L	95
54) o-xylene	10.13	106	67342	11.434	ug/L	98
55) Styrene	10.14	104	110012	10.760	ug/L	100
56) Isopropylbenzene	10.51	105	169051	11.083	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	69814	10.895	ug/L	94
59) 1,2,3-Trichloropropane	10.85	75	54988	10.510	ug/L	97
61) Bromoform	10.32	173	31472	10.945	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	68252	10.353	ug/L	95
63) 1,4-Dichlorobenzene	11.86	146	66553	9.826	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	68806	10.197	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.02	75	15827	13.284	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	42771	9.039	ug/L	96
68) 1,2,4-trichlorobenzene	13.86	180	29370	8.463	ug/L	96
69) Naphthalene	14.10	128	99448	10.733	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	32999	8.893	ug/L	98

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

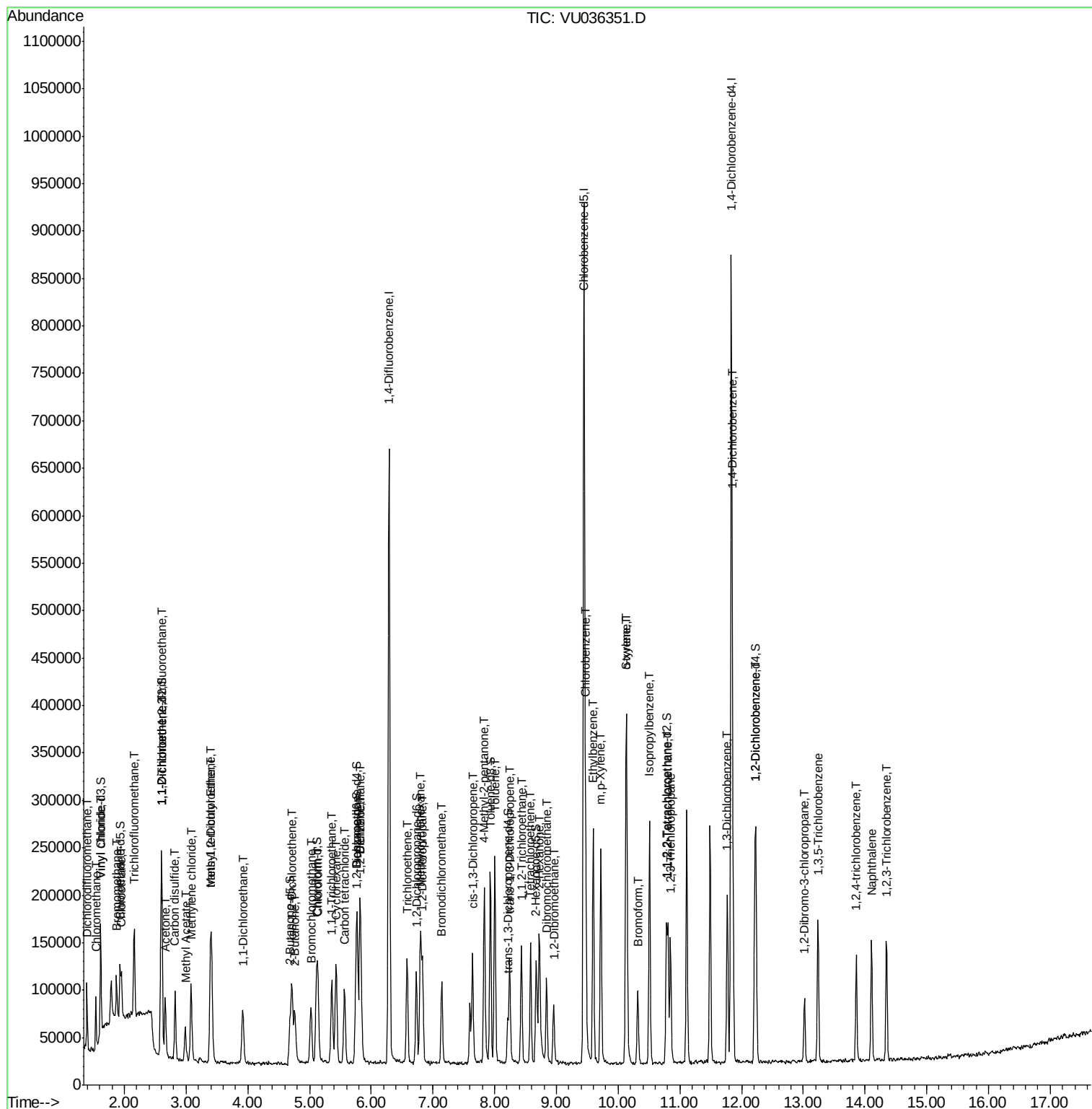
Quant Time: Dec 27 13:49:18 2019

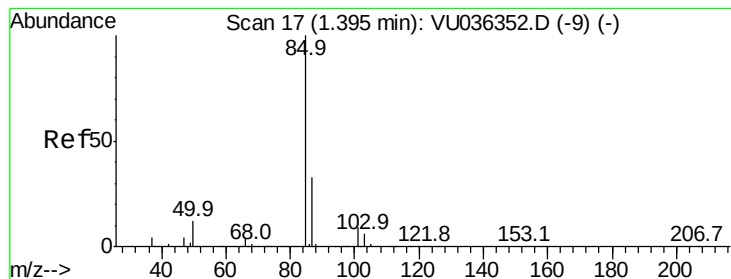
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM122719WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Dec 27 13:46:20 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 7.746 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

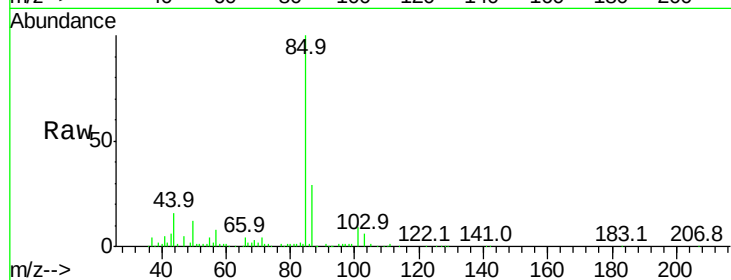
VSTD01033

Tgt Ion: 85 Resp: 40678

Ion Ratio Lower Upper

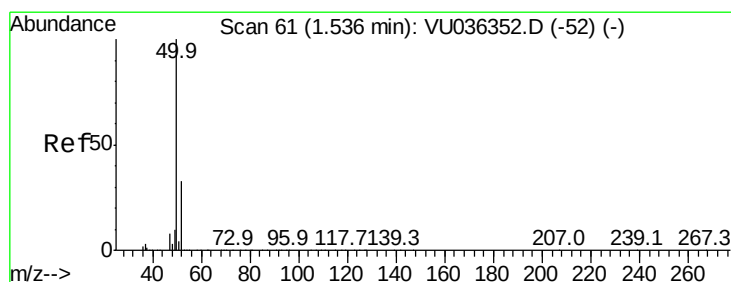
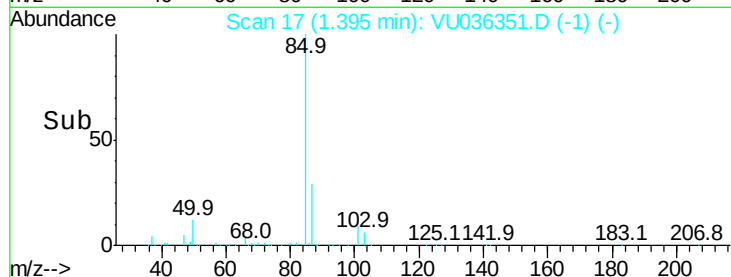
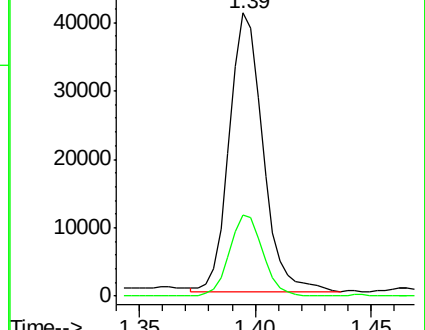
85 100

87 29.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU036351.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036351.D (-1) (-)



#3

Chloromethane

Concen: 6.780 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036351.D

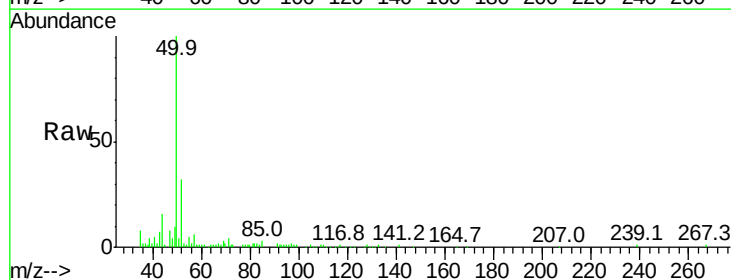
Acq: 27 Dec 2019 12:41

Tgt Ion: 50 Resp: 37422

Ion Ratio Lower Upper

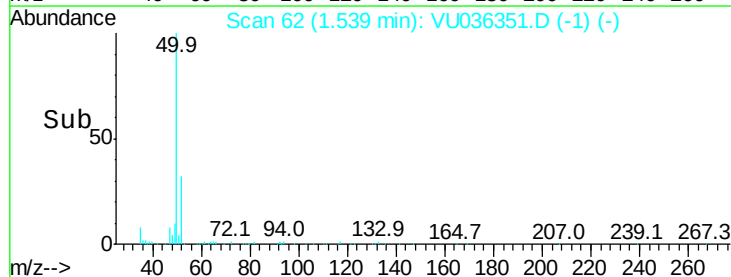
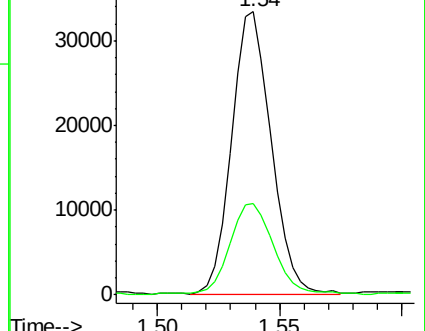
50 100

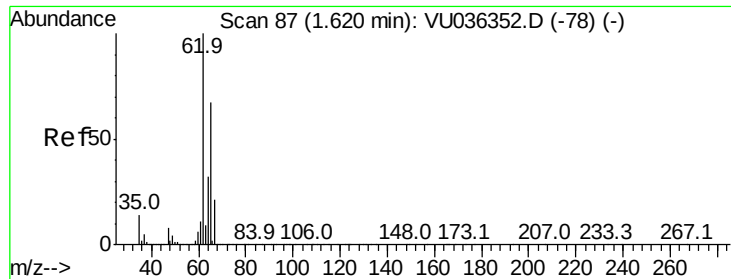
52 32.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036351.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036351.D (-1) (-)





#5

Vinyl chloride

Concen: 7.559 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

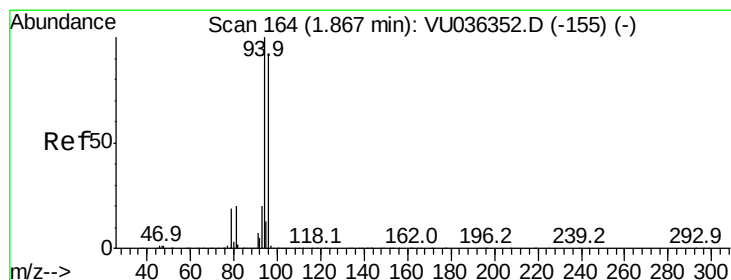
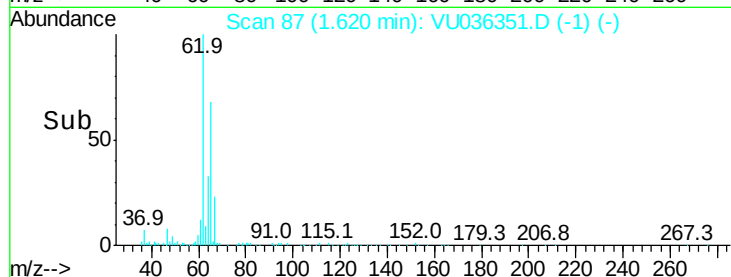
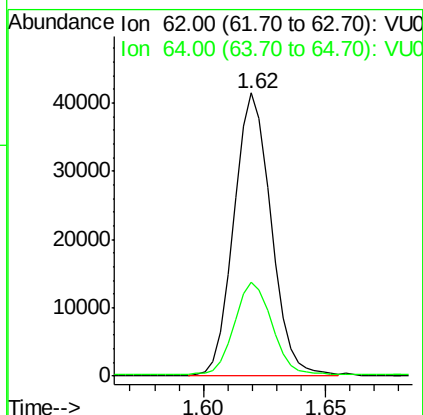
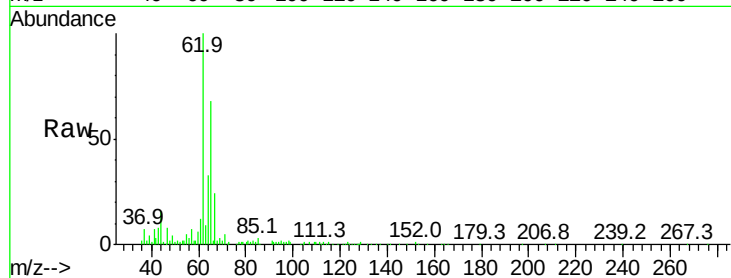
VSTD01033

Tgt Ion: 62 Resp: 44101

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.3



#6

Bromomethane

Concen: 5.813 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU036351.D

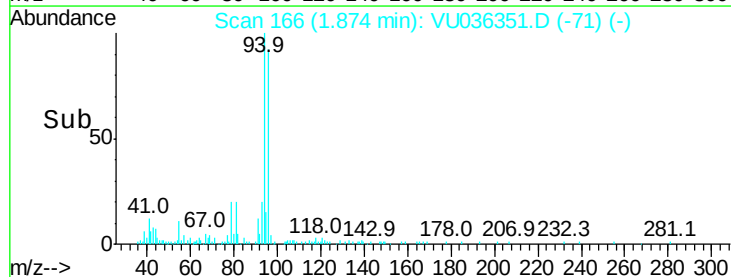
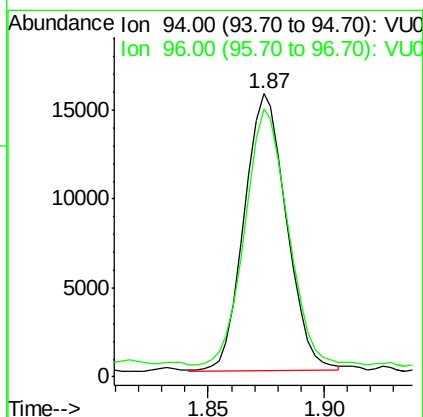
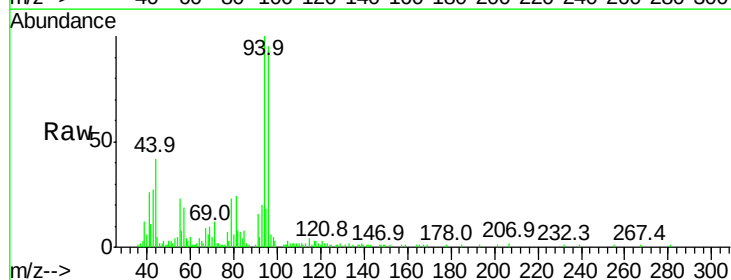
Acq: 27 Dec 2019 12:41

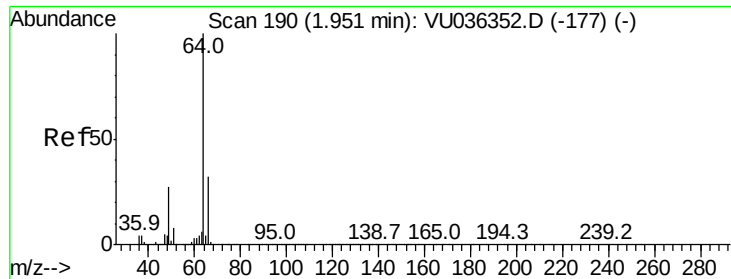
Tgt Ion: 94 Resp: 19811

Ion Ratio Lower Upper

94 100

96 94.7 64.5 119.7





#8

Chloroethane

Concen: 7.622 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

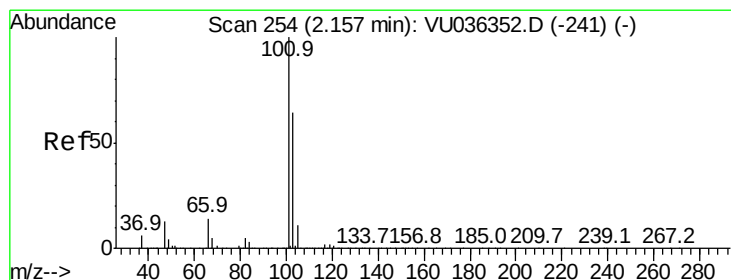
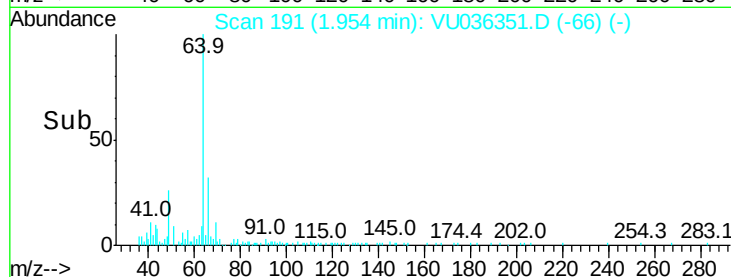
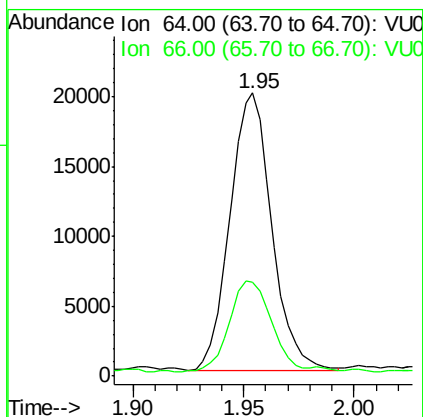
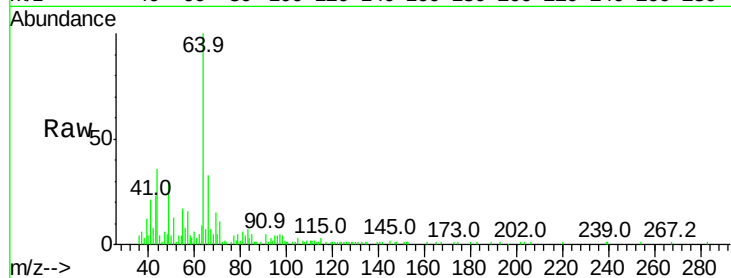
VSTD01033

Tgt Ion: 64 Resp: 26243

Ion Ratio Lower Upper

64 100

66 33.1 22.3 41.3



#9

Trichlorofluoromethane

Concen: 7.665 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036351.D

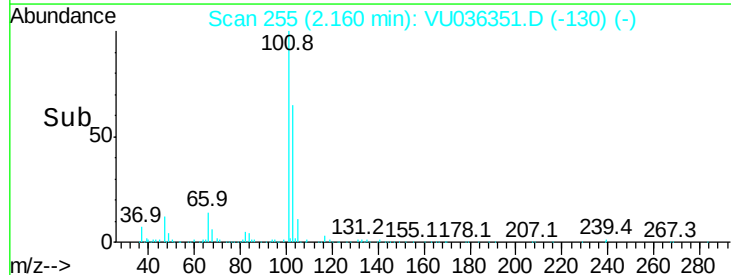
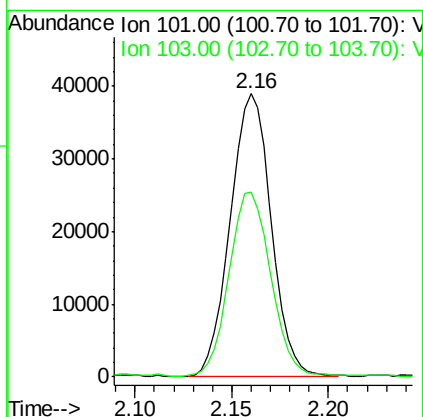
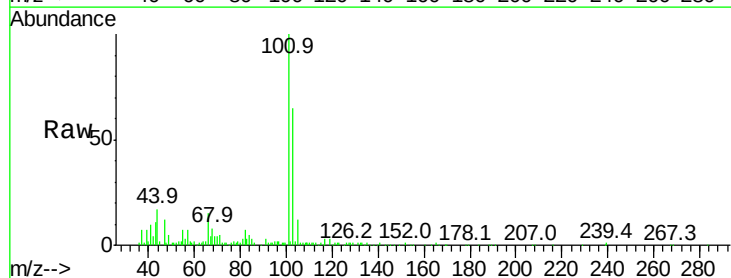
Acq: 27 Dec 2019 12:41

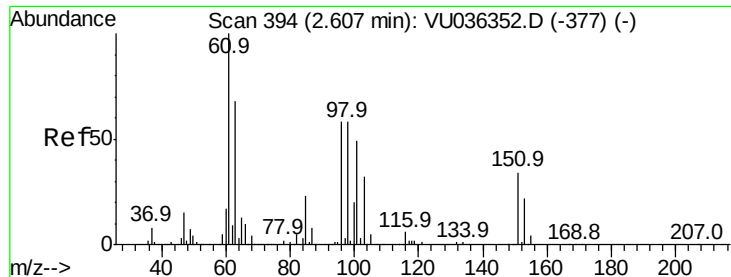
Tgt Ion: 101 Resp: 57485

Ion Ratio Lower Upper

101 100

103 66.0 51.6 77.4





#10

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

Concen: 7.976 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

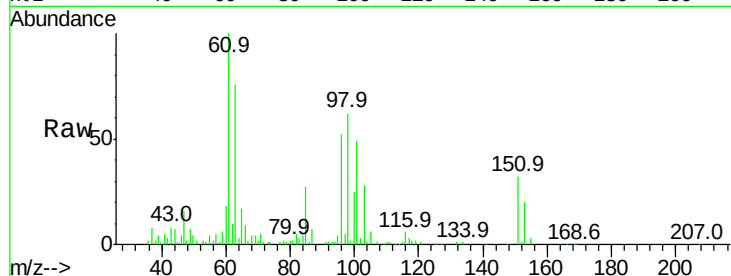
Tgt Ion:101 Resp: 28628

Ion Ratio Lower Upper

101 100

85 52.9 37.1 55.7

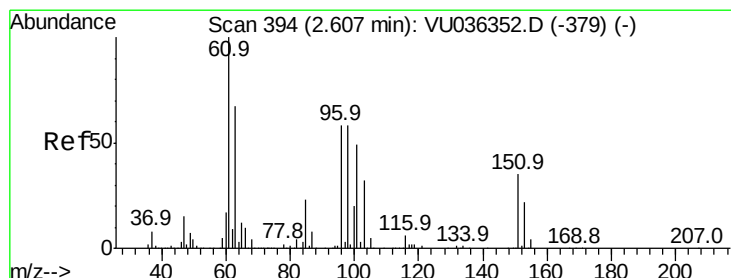
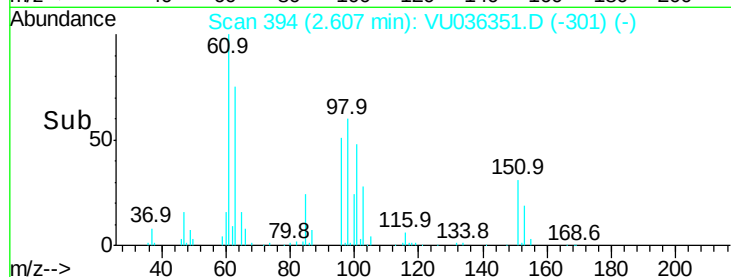
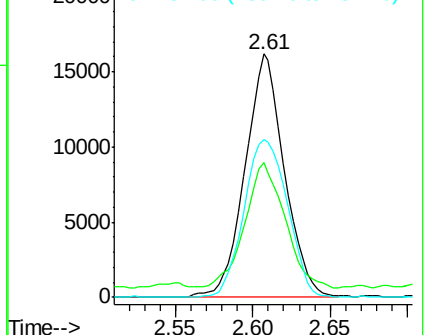
151 71.6 54.3 81.5



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: 8.663 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

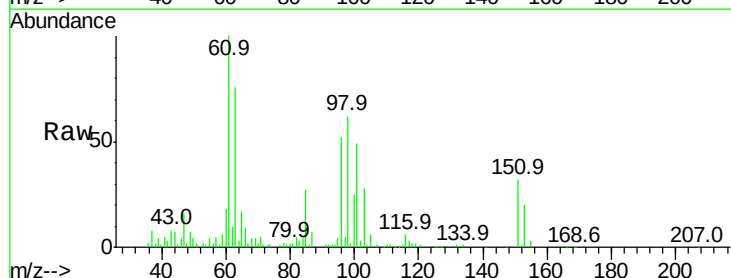
Tgt Ion: 96 Resp: 29533

Ion Ratio Lower Upper

96 100

61 190.9 120.9 224.5

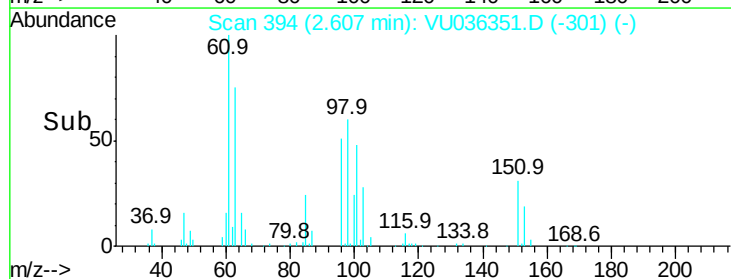
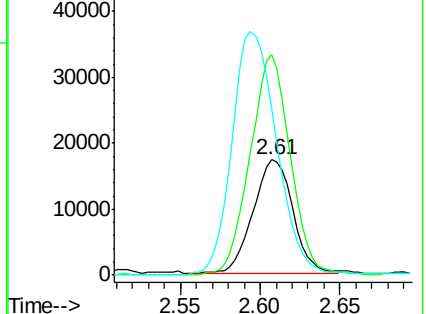
63 144.7 81.8 152.0

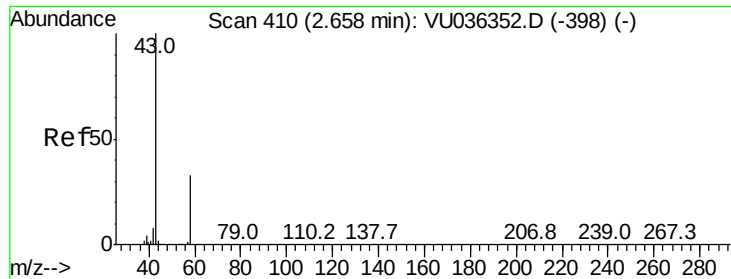


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 21.449 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

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ClientSampleId :

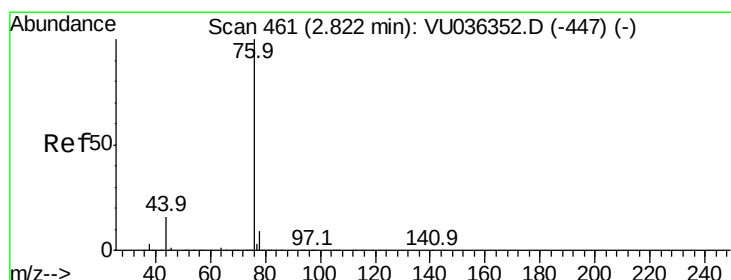
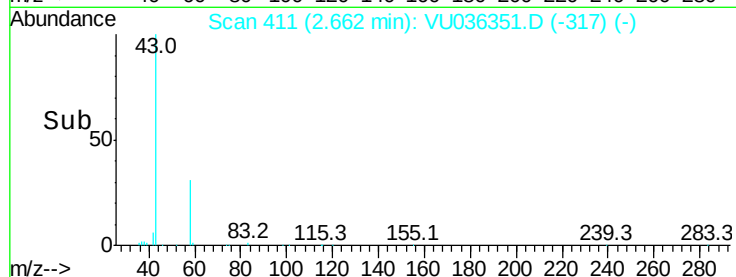
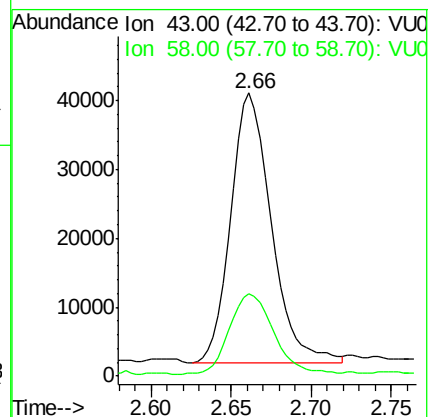
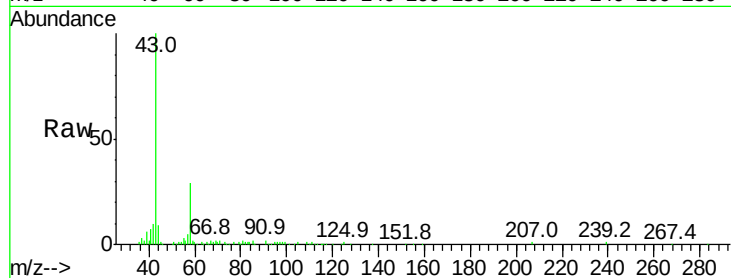
VSTD01033

Tgt Ion: 43 Resp: 68352

Ion Ratio Lower Upper

43 100

58 31.7 0.0 66.2



#14

Carbon disulfide

Concen: 8.511 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036351.D

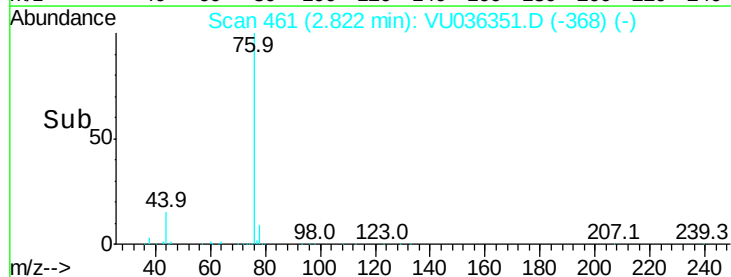
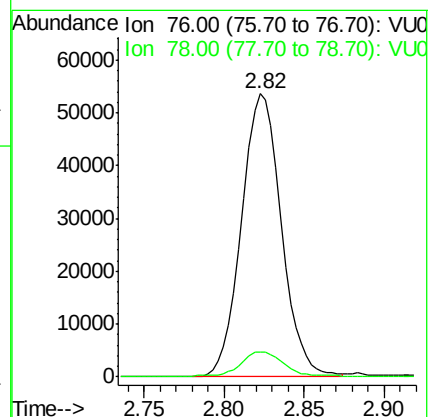
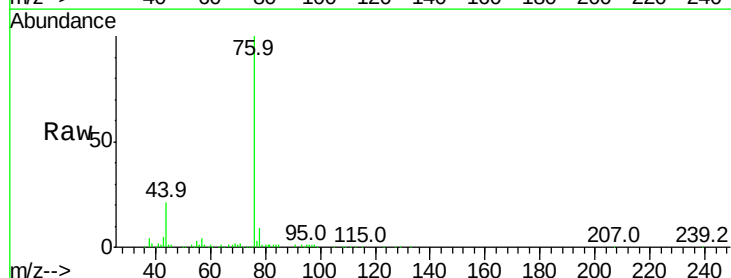
Acq: 27 Dec 2019 12:41

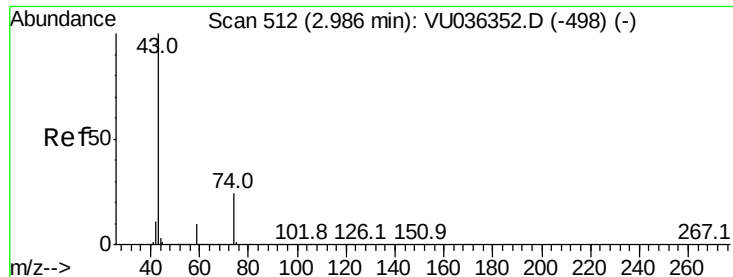
Tgt Ion: 76 Resp: 91228

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4





#15

Methyl Acetate

Concen: 9.854 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

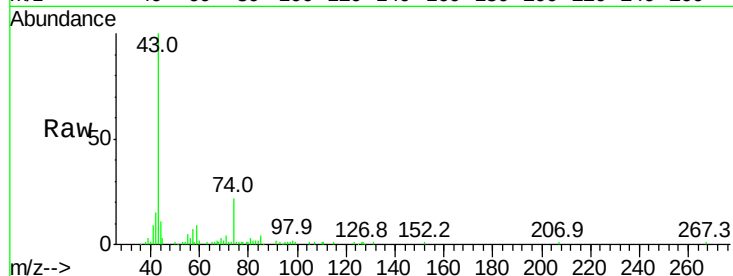
VSTD01033

Tgt Ion: 43 Resp: 41816

Ion Ratio Lower Upper

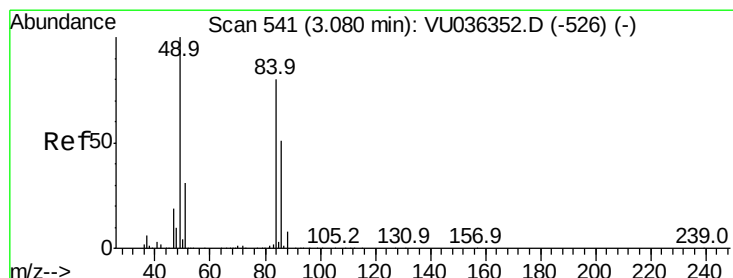
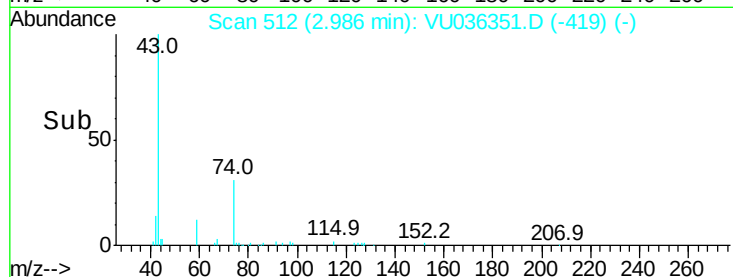
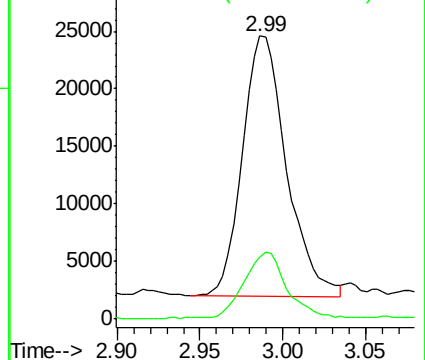
43 100

74 24.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 8.842 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

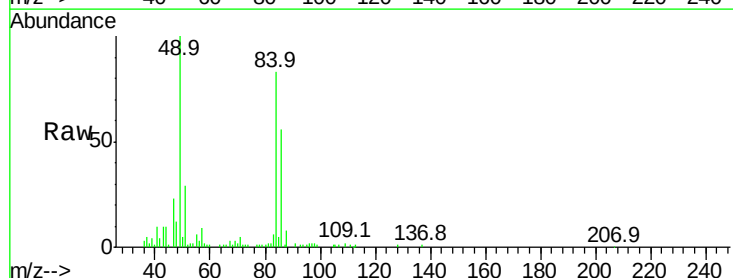
Tgt Ion: 84 Resp: 37461

Ion Ratio Lower Upper

84 100

86 66.8 44.6 82.8

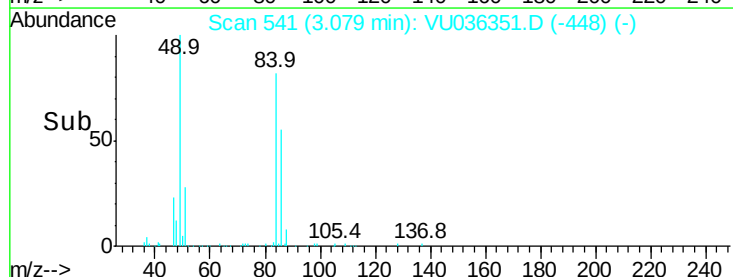
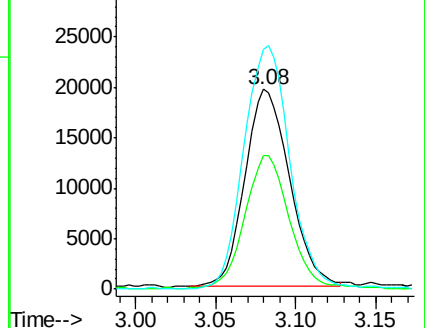
49 119.8 87.6 162.6

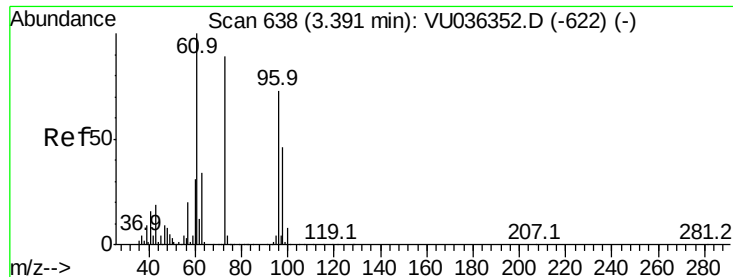


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 8.541 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

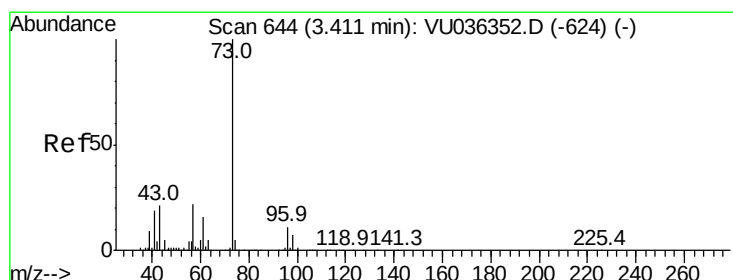
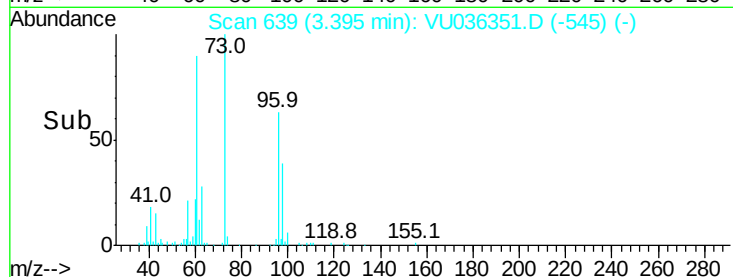
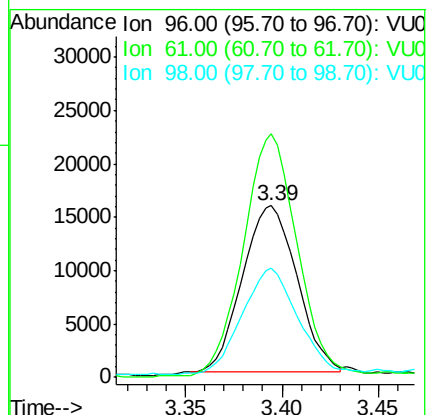
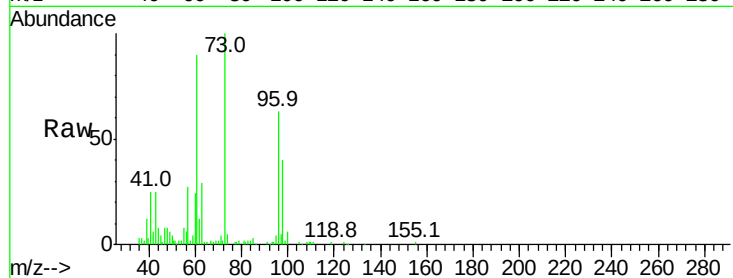
Tgt Ion: 96 Resp: 30671

Ion Ratio Lower Upper

96 100

61 141.9 96.2 178.8

98 63.9 44.2 82.2



#18

Methyl tert-butyl Ether

Concen: 11.047 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

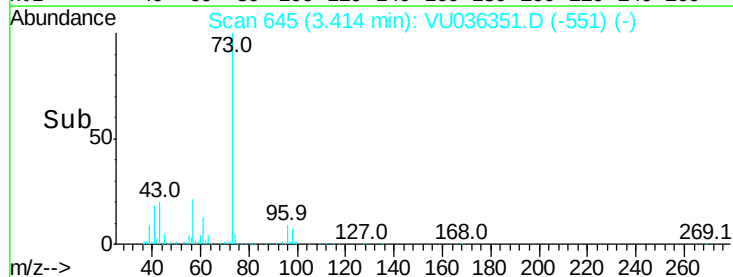
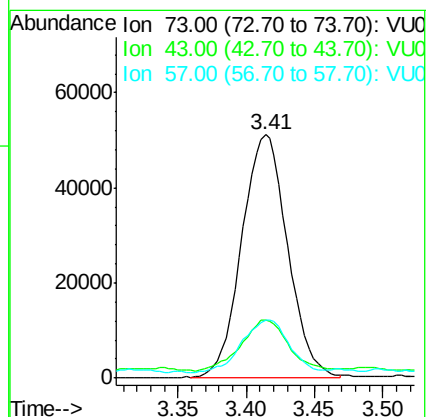
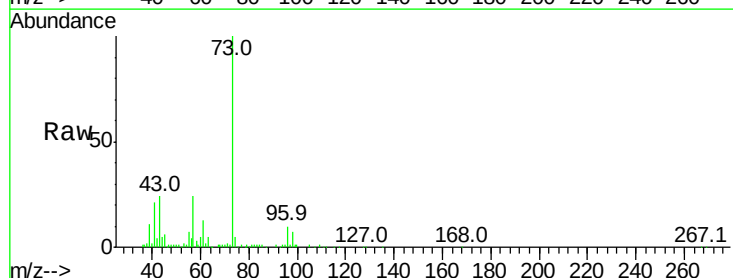
Tgt Ion: 73 Resp: 118498

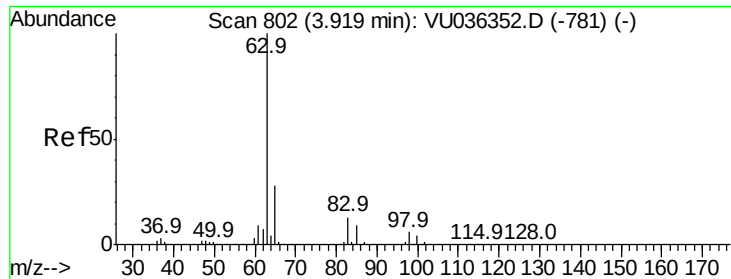
Ion Ratio Lower Upper

73 100

43 21.3 16.3 24.5

57 22.3 17.7 26.5





#19

1,1-Dichloroethane

Concen: 9.371 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

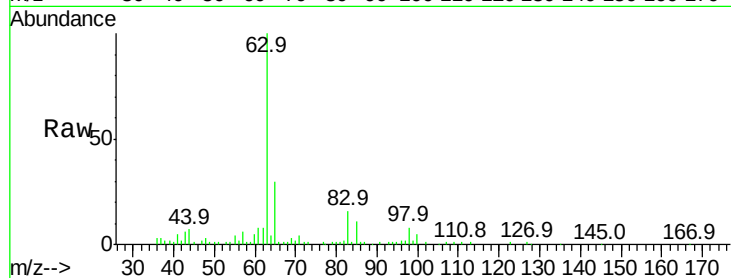
Tgt Ion: 63 Resp: 65058

Ion Ratio Lower Upper

63 100

65 29.8 20.0 37.2

83 15.7 9.6 17.8

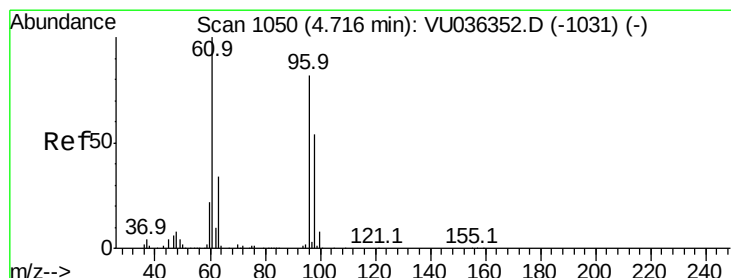
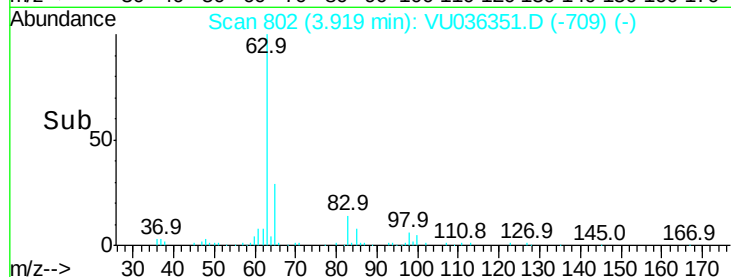


Abundance Ion 63.00 (62.70 to 63.70): VU036351.D (-709) (-)

Ion 65.00 (64.70 to 65.70): VU036351.D (-709) (-)

Ion 83.00 (82.70 to 83.70): VU036351.D (-709) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 9.615 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

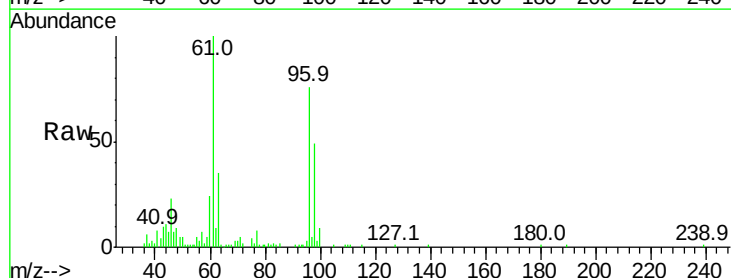
Tgt Ion: 96 Resp: 38649

Ion Ratio Lower Upper

96 100

61 131.2 85.1 158.1

68 1.9 0.1 0.3#

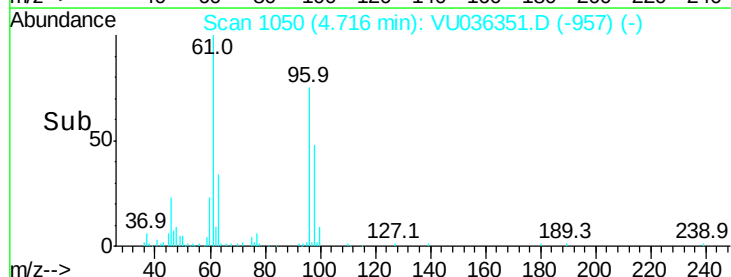


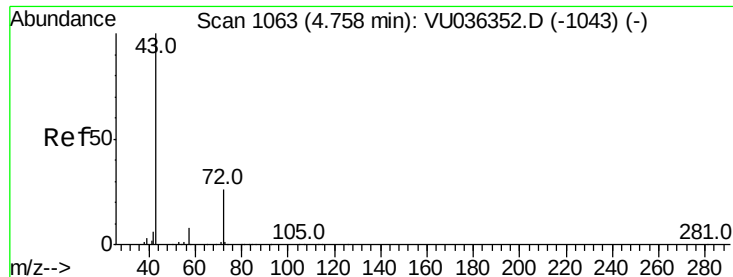
Abundance Ion 96.00 (95.70 to 96.70): VU036351.D (-957) (-)

Ion 61.00 (60.70 to 61.70): VU036351.D (-957) (-)

Ion 68.00 (67.70 to 68.70): VU036351.D (-957) (-)

Time-->





#22

2-Butanone

Concen: 22.184 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

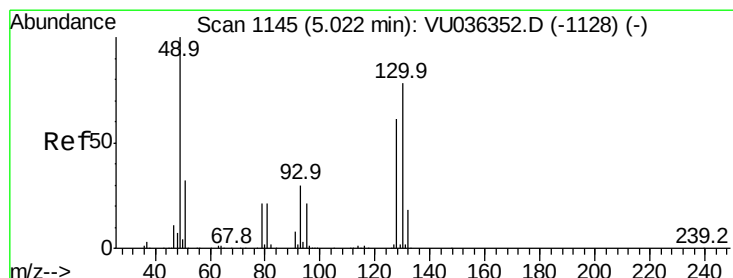
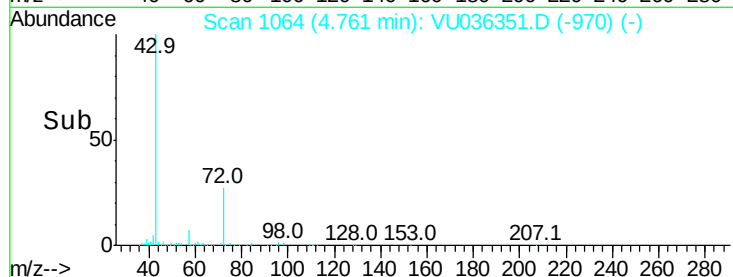
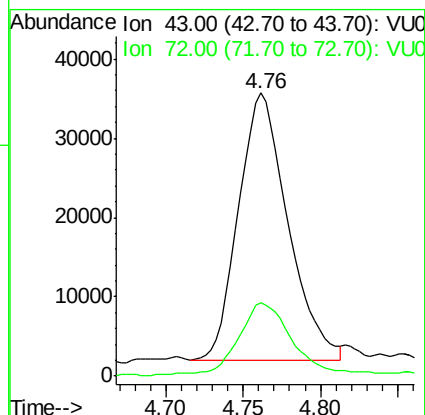
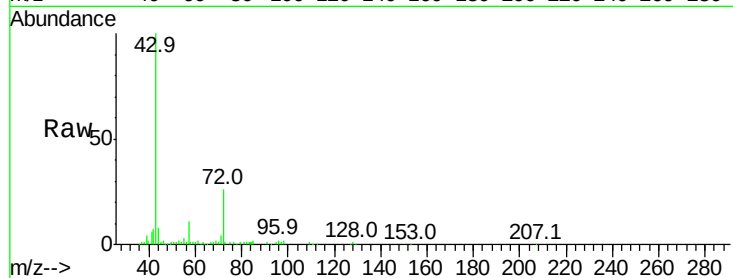
VSTD01033

Tgt Ion: 43 Resp: 74720

Ion Ratio Lower Upper

43 100

72 27.1 13.4 40.1



#23

Bromochloromethane

Concen: 8.271 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Tgt Ion: 128 Resp: 18396

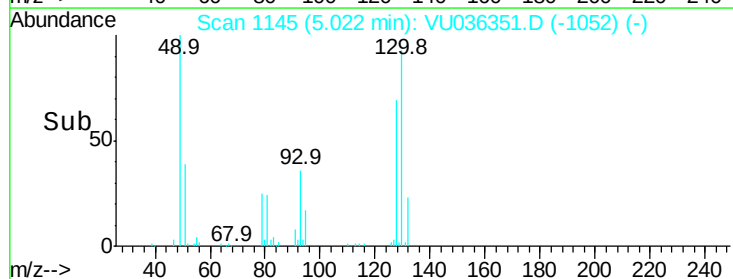
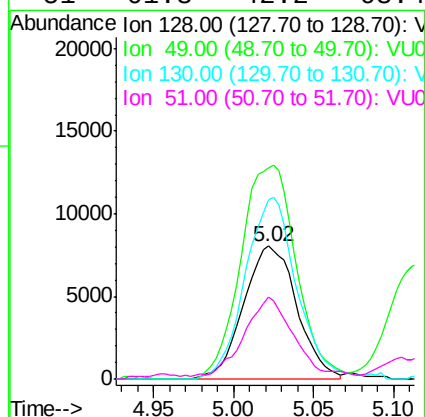
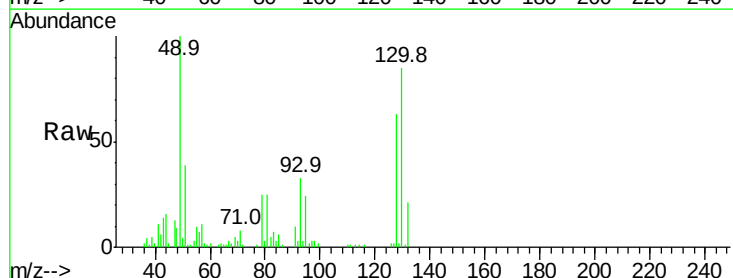
Ion Ratio Lower Upper

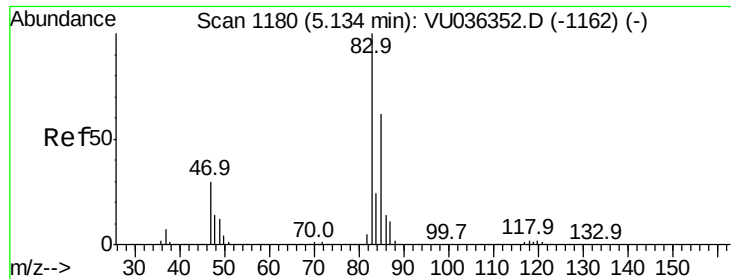
128 100

49 158.9 115.0 213.6

130 134.8 89.1 165.5

51 61.3 42.2 63.4





#25

Chloroform

Concen: 9.170 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

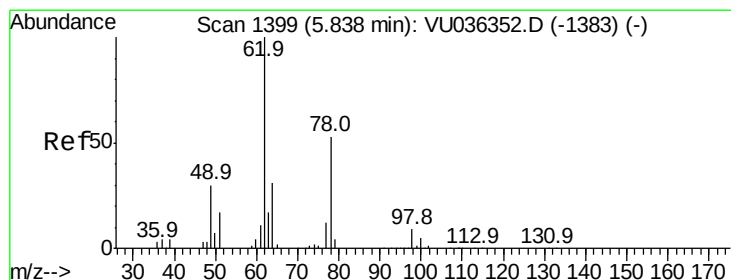
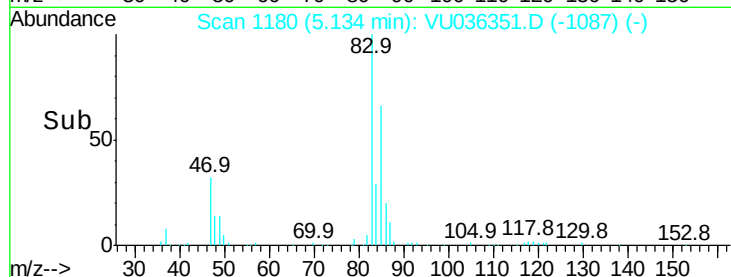
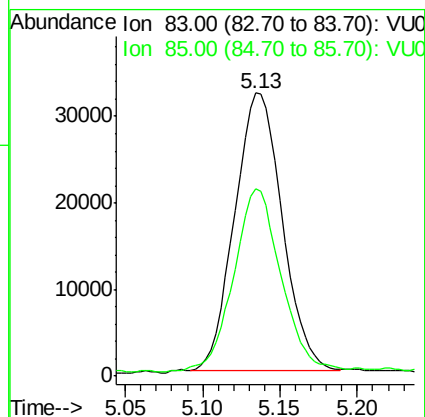
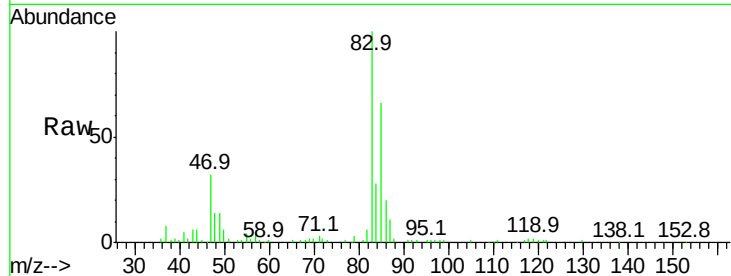
VSTD01033

Tgt Ion: 83 Resp: 68504

Ion Ratio Lower Upper

83 100

85 66.1 43.9 81.5



#27

1,2-Dichloroethane

Concen: 9.017 ug/L

RT: 5.84 min Scan# 1399

Delta R.T. -0.00 min

Lab File: VU036351.D

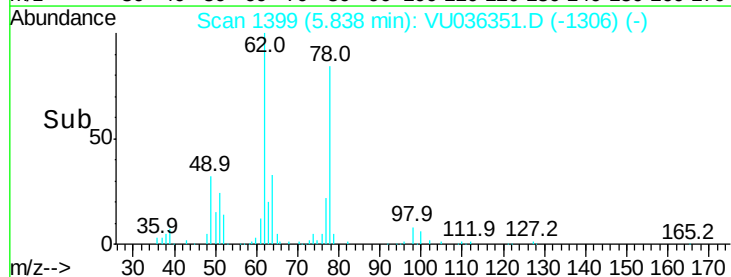
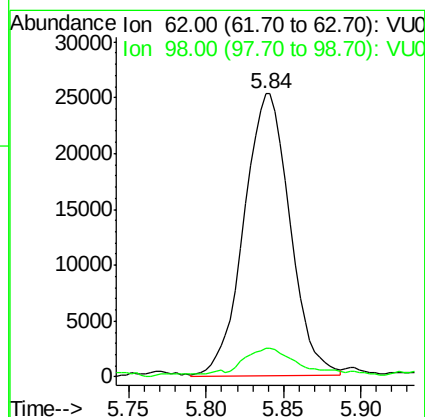
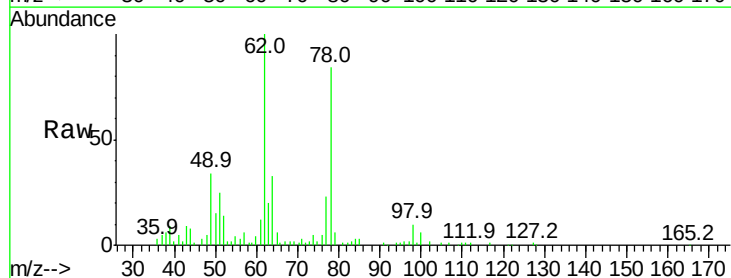
Acq: 27 Dec 2019 12:41

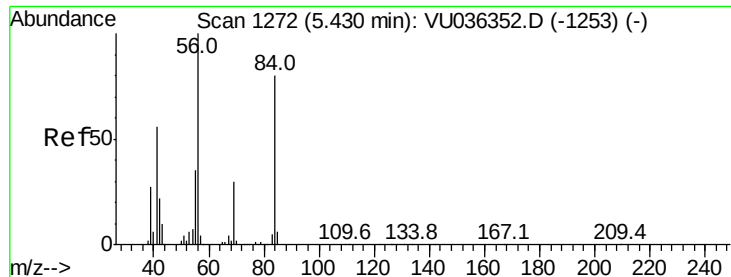
Tgt Ion: 62 Resp: 52193

Ion Ratio Lower Upper

62 100

98 9.9 7.3 10.9

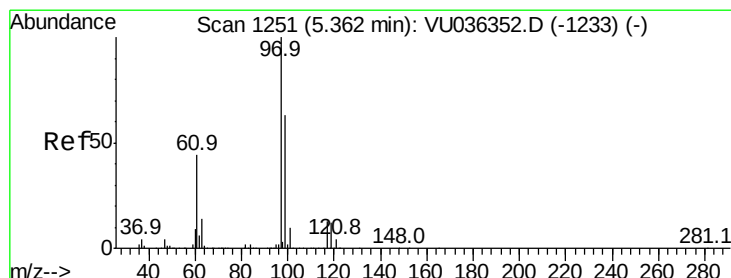
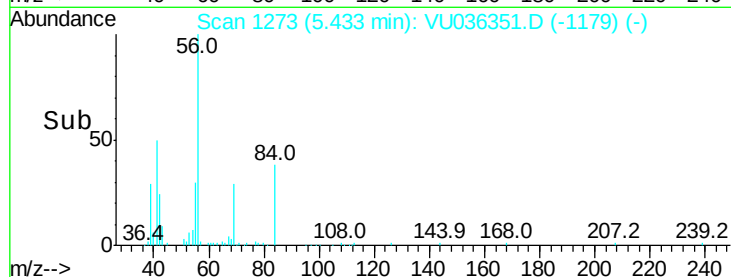
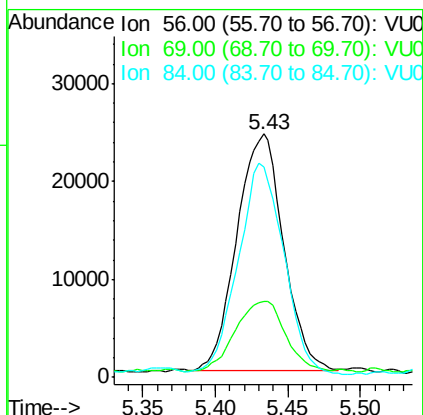
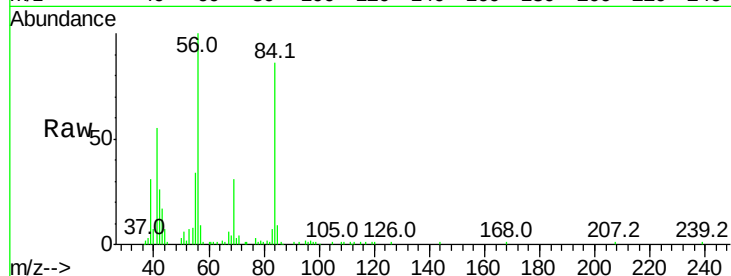




#29
Cyclohexane
Concen: 11.269 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU036351.D
Acq: 27 Dec 2019 12:41

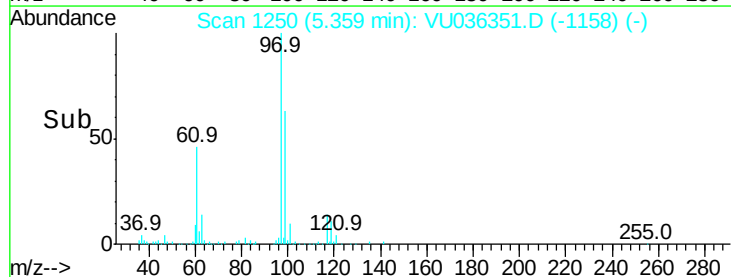
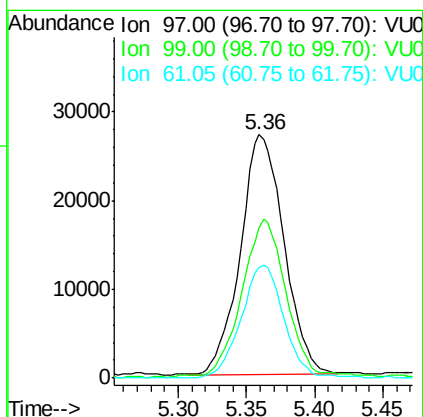
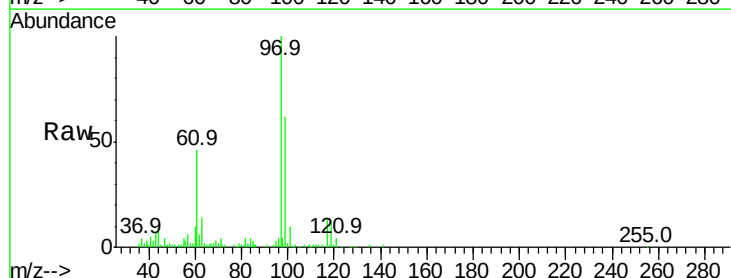
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

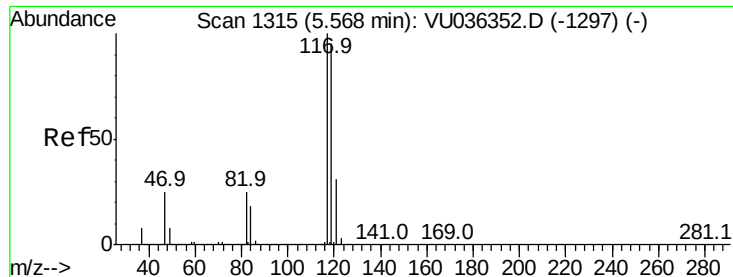
Tgt Ion: 56 Resp: 54064
Ion Ratio Lower Upper
56 100
69 31.6 24.8 37.2
84 87.9 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 10.751 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036351.D
Acq: 27 Dec 2019 12:41

Tgt Ion: 97 Resp: 59994
Ion Ratio Lower Upper
97 100
99 65.4 51.0 76.4
61 45.7 34.7 52.1





#31

Carbon tetrachloride

Concen: 10.302 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

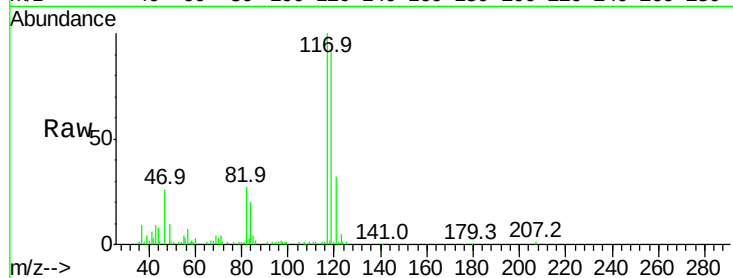
VSTD01033

Tgt Ion:117 Resp: 51325

Ion Ratio Lower Upper

117 100

119 93.7 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.57

25000

20000

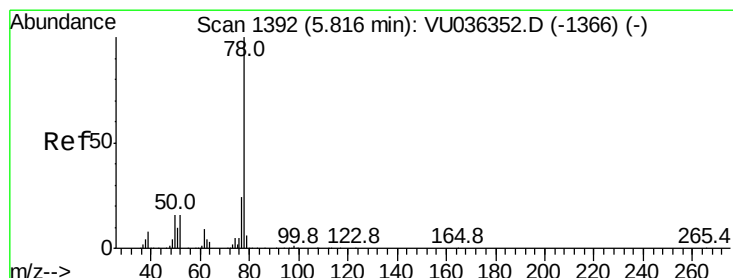
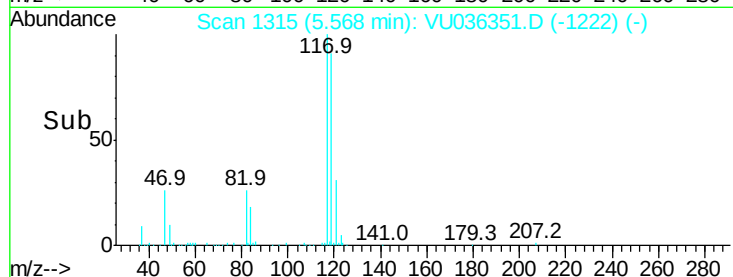
15000

10000

5000

0

Time-->



#33

Benzene

Concen: 10.084 ug/L

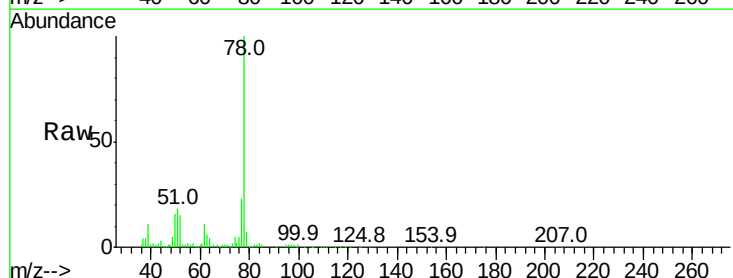
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Tgt Ion: 78 Resp: 142156



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.82

80000

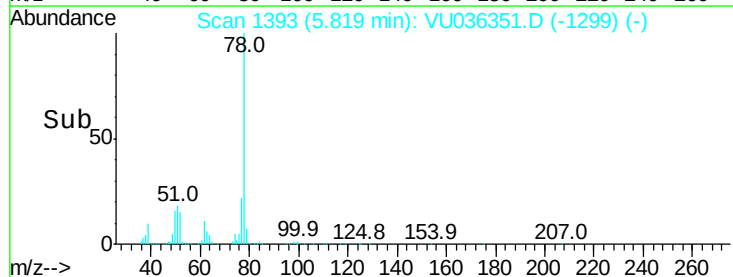
60000

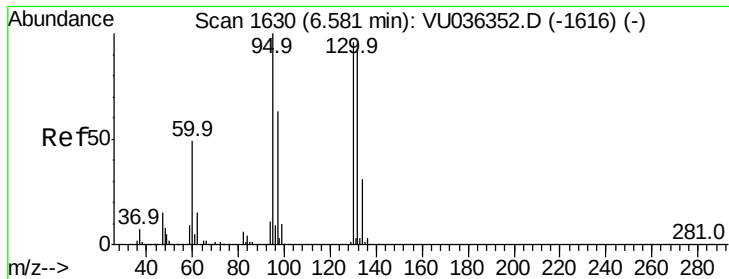
40000

20000

0

Time-->

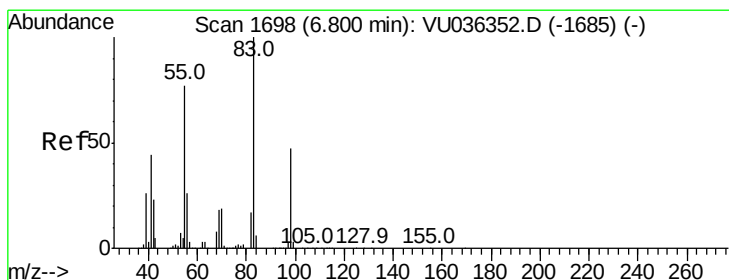
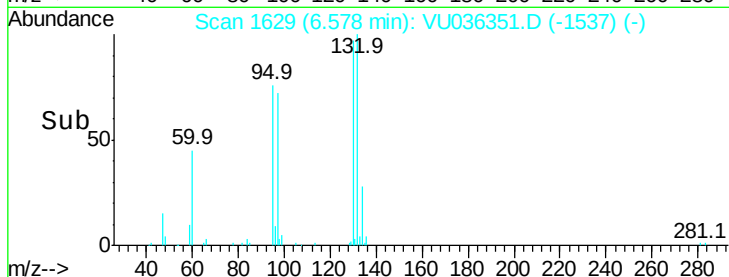
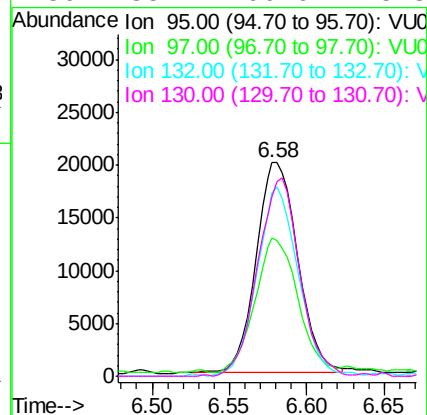
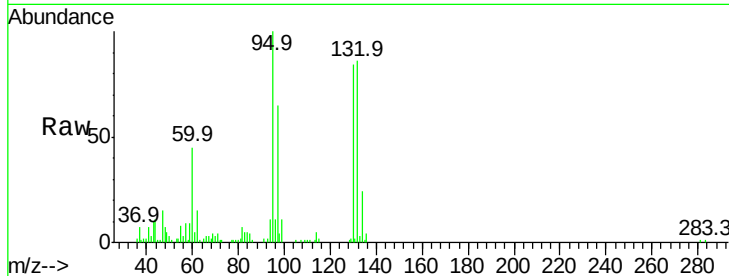




#34
 Trichloroethene
 Concen: 10.320 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036351.D
 Acq: 27 Dec 2019 12:41

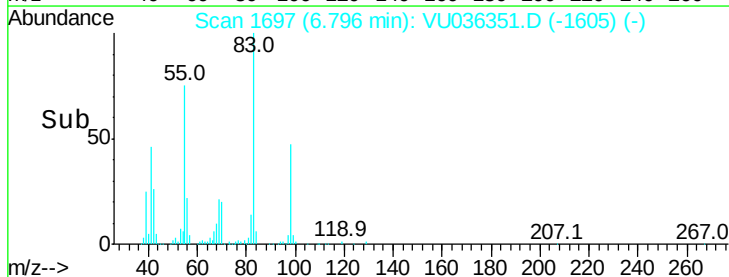
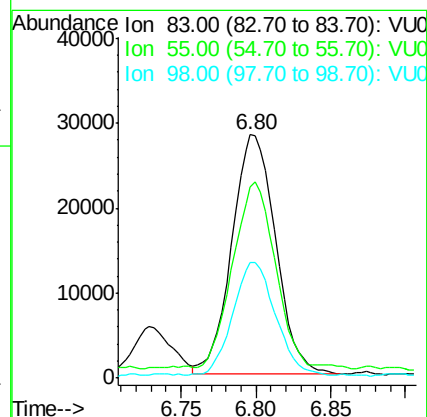
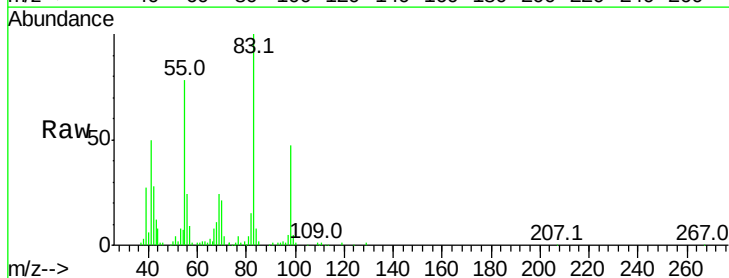
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

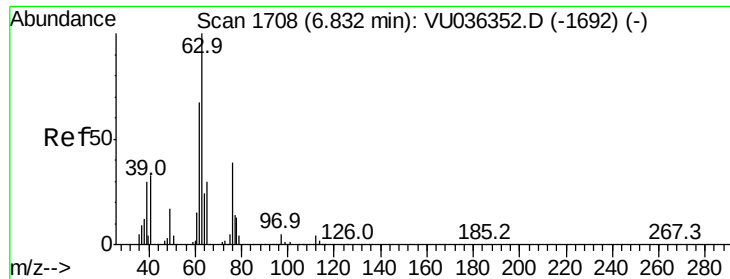
Tgt Ion:	95	Resp:	37068
Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.5	82.7
132	86.0	64.5	119.9
130	83.7	66.6	123.8



#35
 Methylcyclohexane
 Concen: 10.992 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VU036351.D
 Acq: 27 Dec 2019 12:41

Tgt Ion:	83	Resp:	57182
Ion	Ratio	Lower	Upper
83	100		
55	74.9	60.0	90.0
98	46.7	36.2	54.4

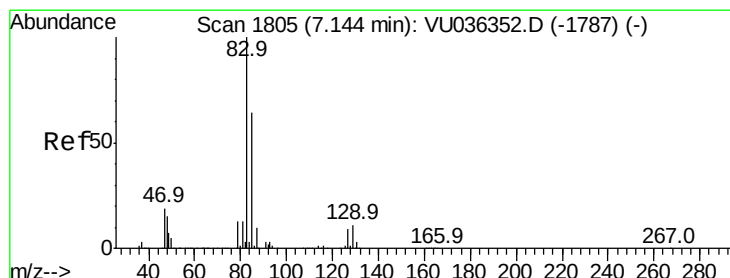
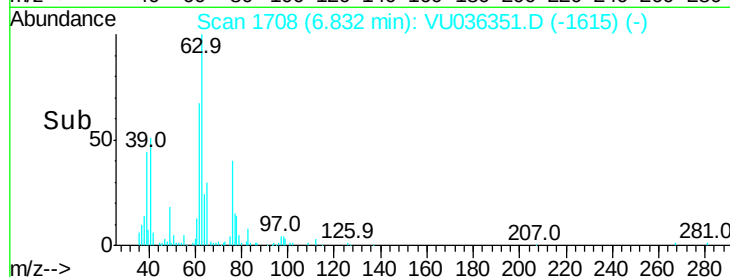
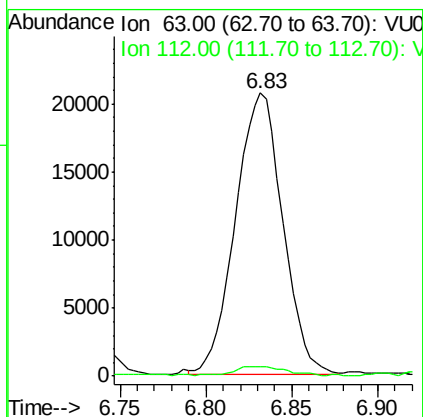
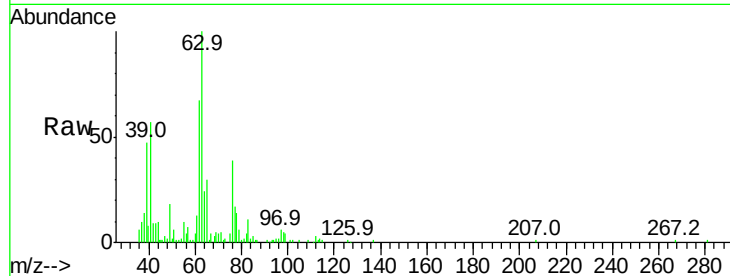




#37
 1,2-Dichloropropane
 Concen: 10.741 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU036351.D
 Acq: 27 Dec 2019 12:41

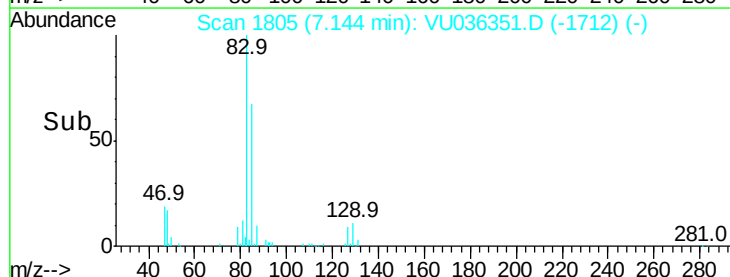
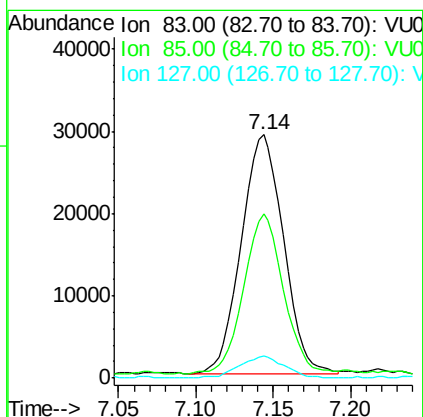
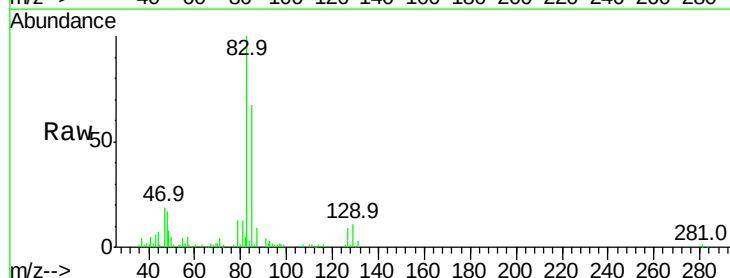
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

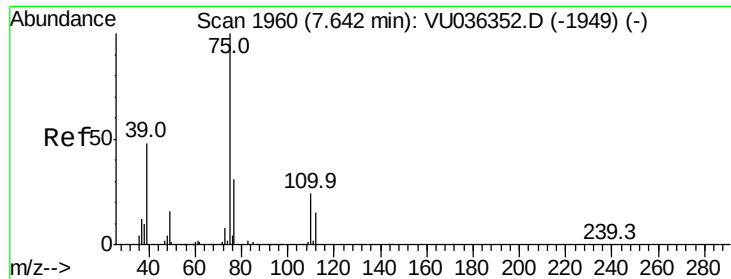
Tgt Ion: 63 Resp: 39432
 Ion Ratio Lower Upper
 63 100
 112 1.2 3.0 4.4#



#38
 Bromodichloromethane
 Concen: 11.251 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU036351.D
 Acq: 27 Dec 2019 12:41

Tgt Ion: 83 Resp: 55683
 Ion Ratio Lower Upper
 83 100
 85 67.2 45.3 84.1
 127 9.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 12.129 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

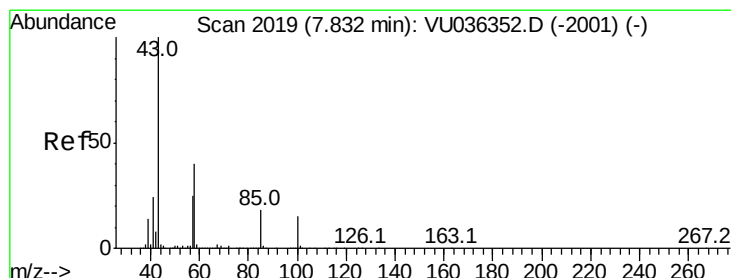
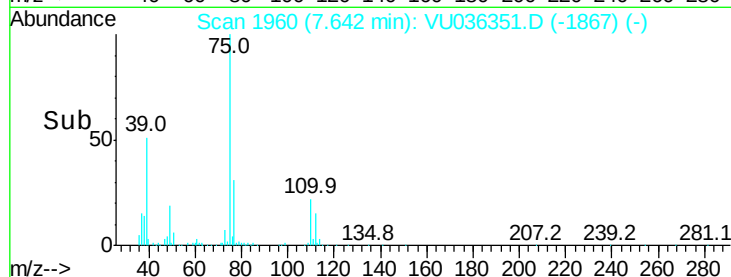
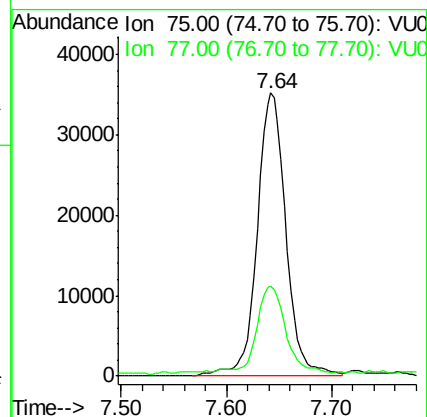
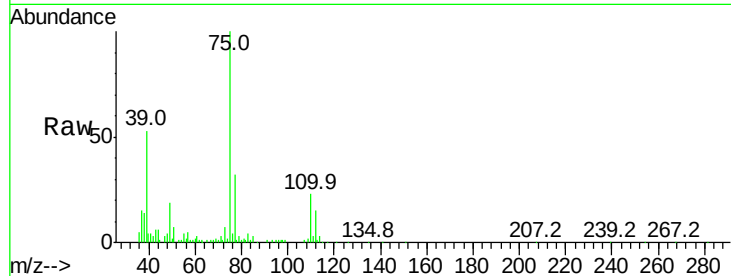
VSTD01033

Tgt Ion: 75 Resp: 67047

Ion Ratio Lower Upper

75 100

77 31.8 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 27.704 ug/L

RT: 7.83 min Scan# 2019

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

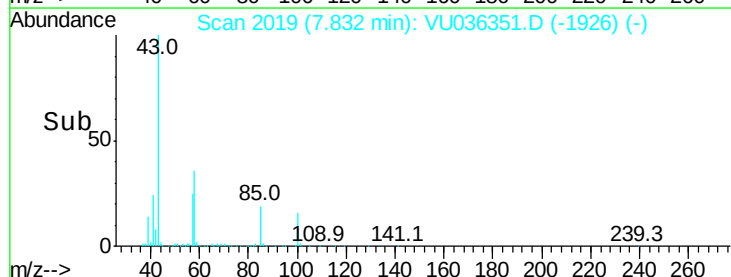
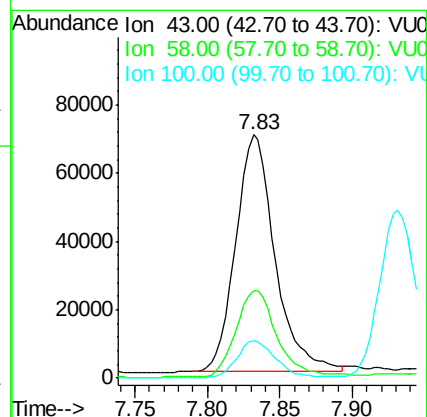
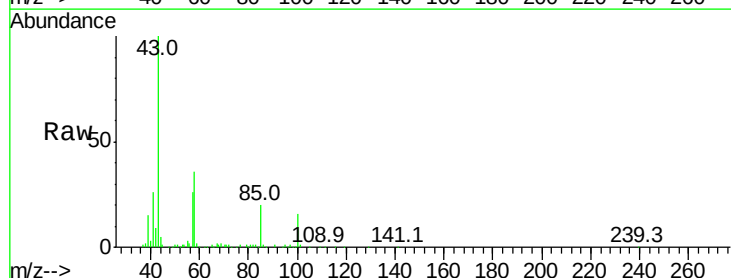
Tgt Ion: 43 Resp: 131365

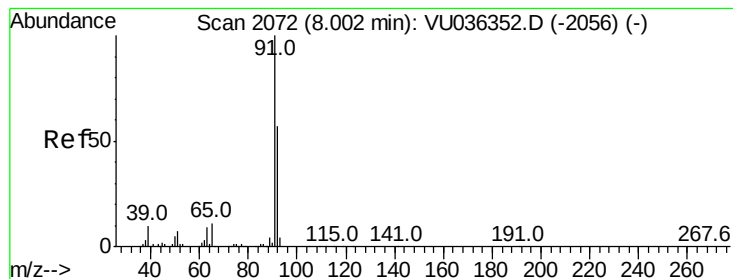
Ion Ratio Lower Upper

43 100

58 36.0 31.6 47.4

100 16.1 11.6 17.4





#42

Toluene

Concen: 10.475 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

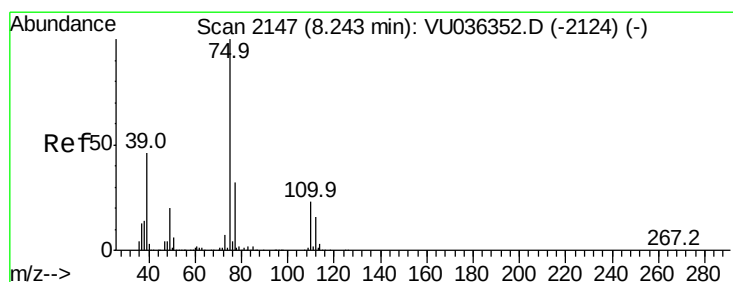
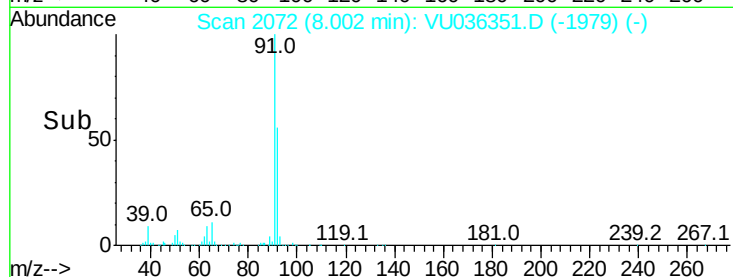
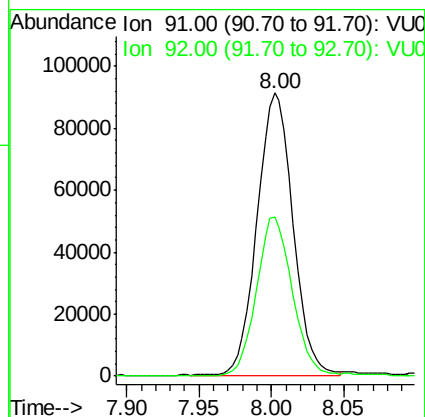
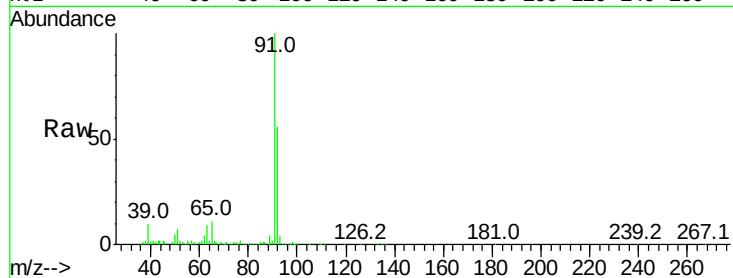
VSTD01033

Tgt Ion: 91 Resp: 156700

Ion Ratio Lower Upper

91 100

92 56.4 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 11.911 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036351.D

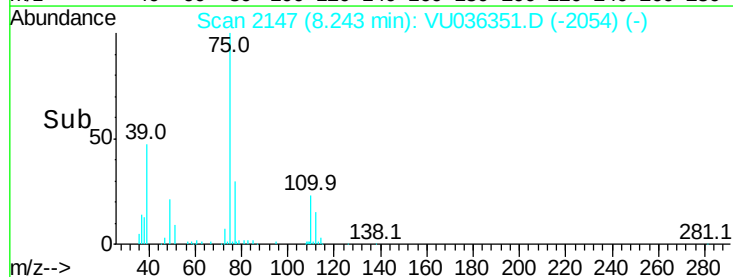
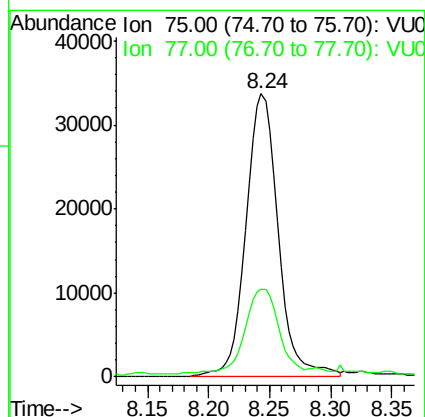
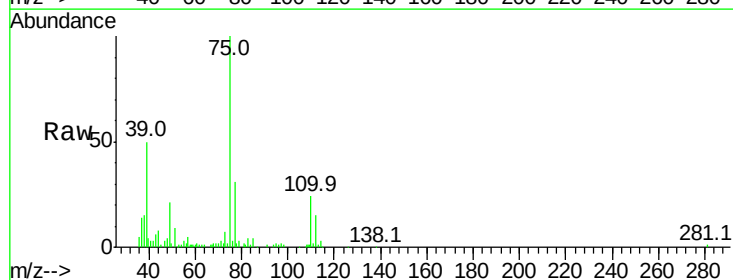
Acq: 27 Dec 2019 12:41

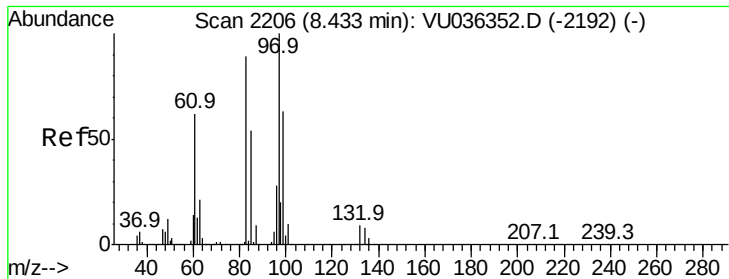
Tgt Ion: 75 Resp: 61487

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 9.746 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

Tgt Ion: 97 Resp: 35805

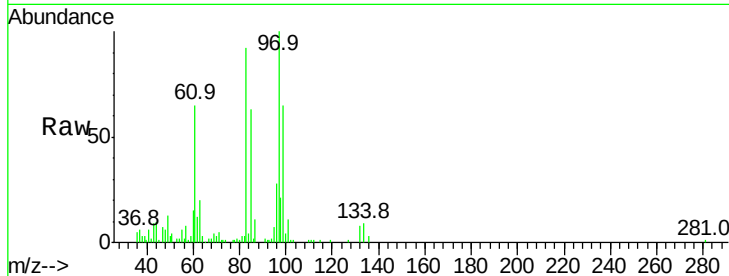
Ion Ratio Lower Upper

97 100

99 65.4 44.2 82.2

83 92.4 62.5 116.1

85 62.7 38.1 70.7

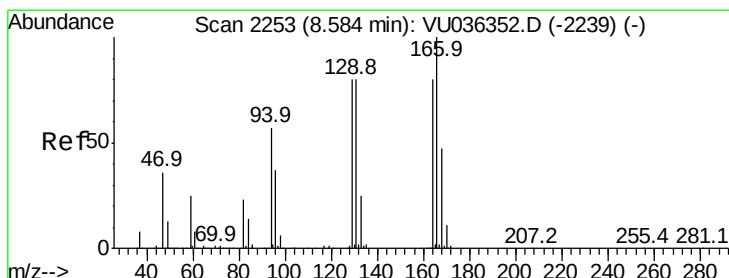
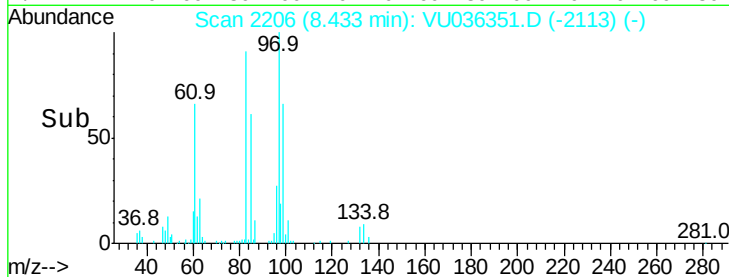
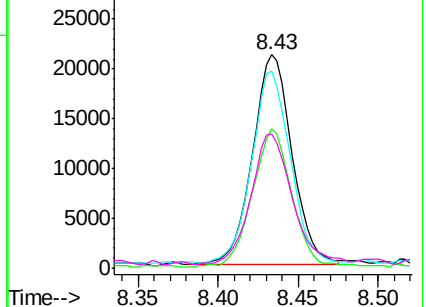


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 8.124 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Tgt Ion: 164 Resp: 25141

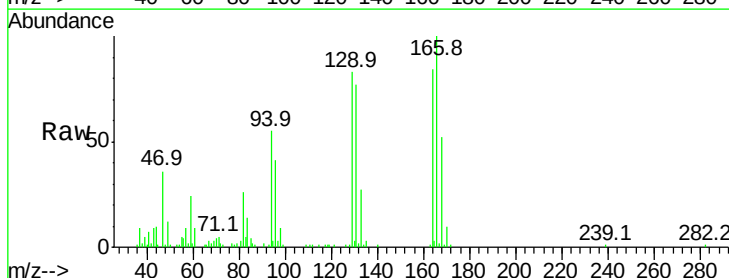
Ion Ratio Lower Upper

164 100

129 99.7 70.0 130.0

131 92.7 70.1 130.1

166 119.7 87.2 161.9

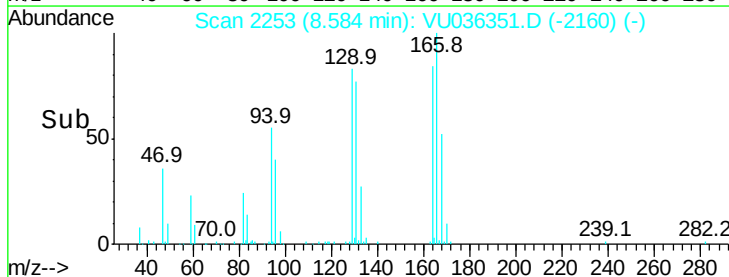
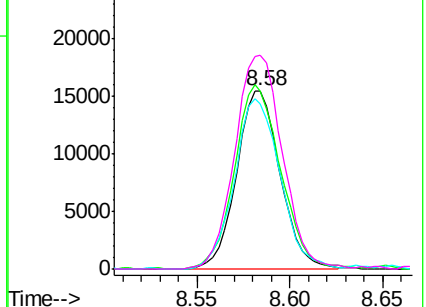


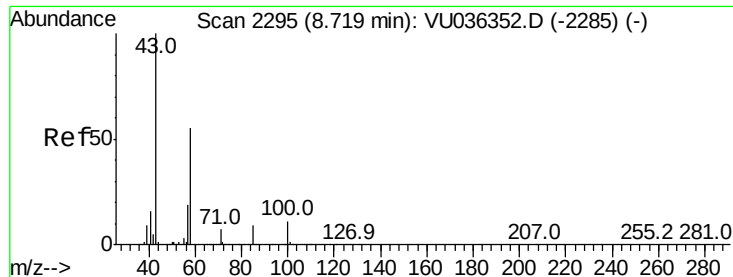
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

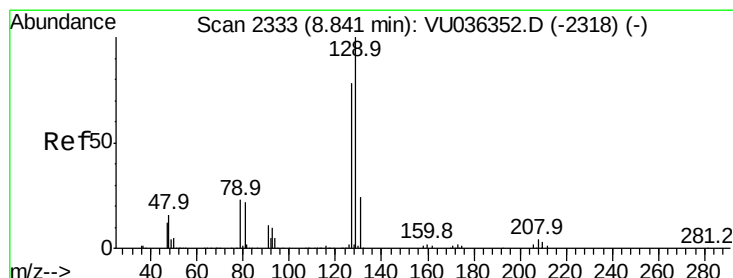
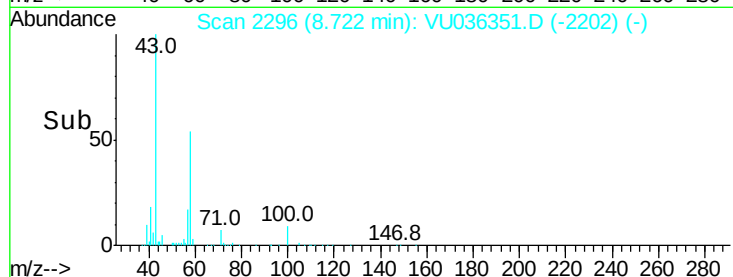
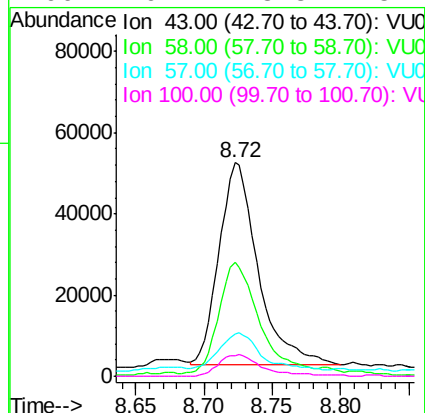
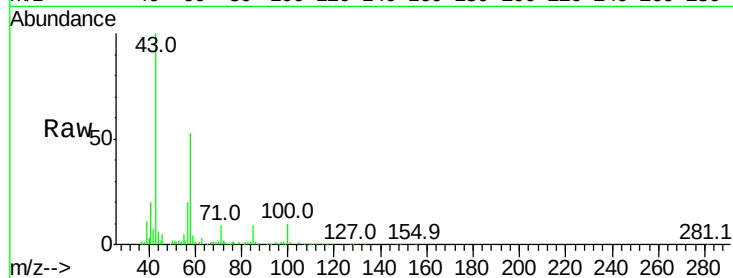




#48
2-Hexanone
Concen: 25.004 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036351.D
Acq: 27 Dec 2019 12:41

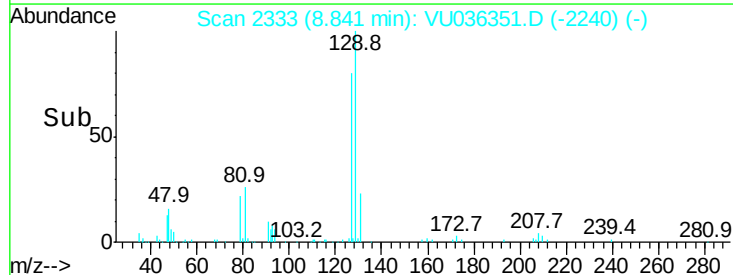
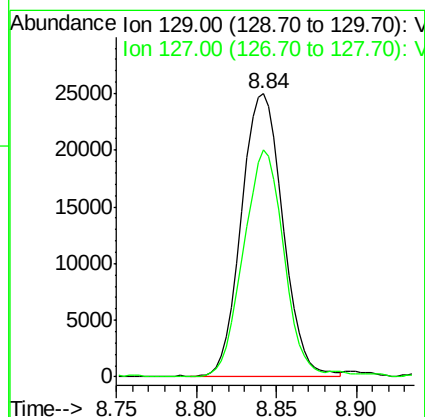
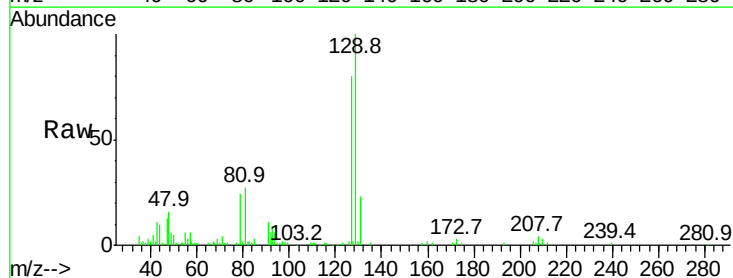
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

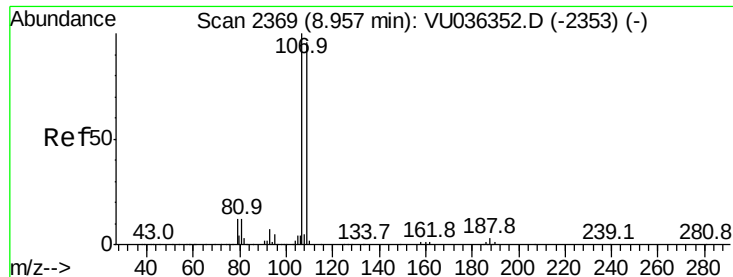
Tgt Ion:	43	Resp:	98923
Ion	Ratio	Lower	Upper
43	100		
58	56.3	42.2	63.4
57	18.5	14.8	22.2
100	10.7	8.8	13.2



#49
Dibromochloromethane
Concen: 10.477 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036351.D
Acq: 27 Dec 2019 12:41

Tgt Ion:	129	Resp:	44377
Ion	Ratio	Lower	Upper
129	100		
127	80.3	54.8	101.8

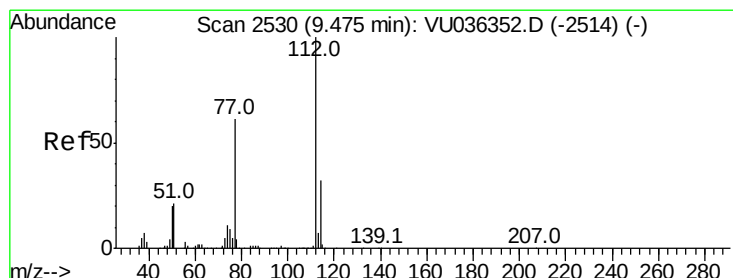
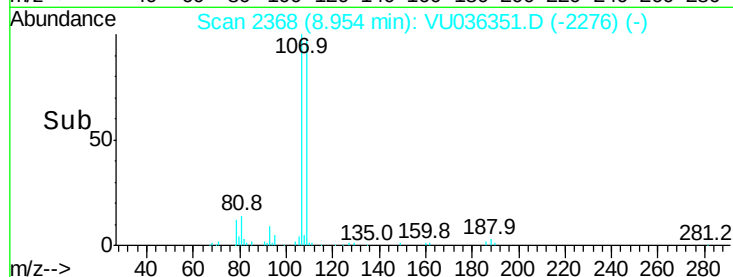
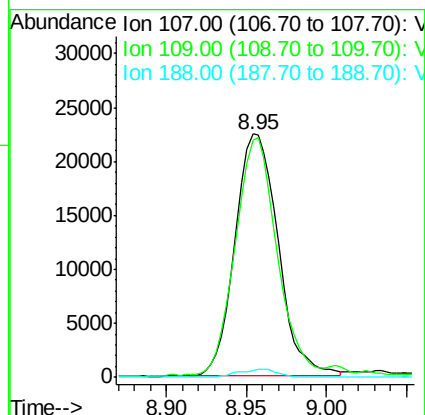
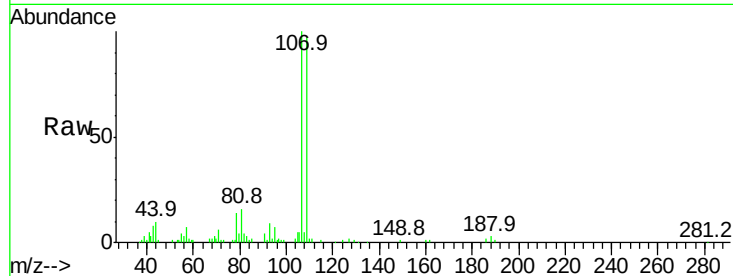




#50
 1,2-Dibromoethane
 Concen: 10.468 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036351.D
 Acq: 27 Dec 2019 12:41

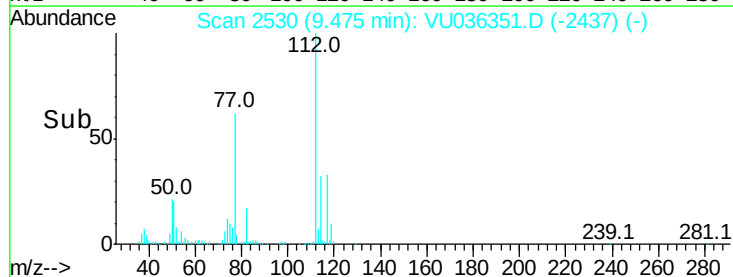
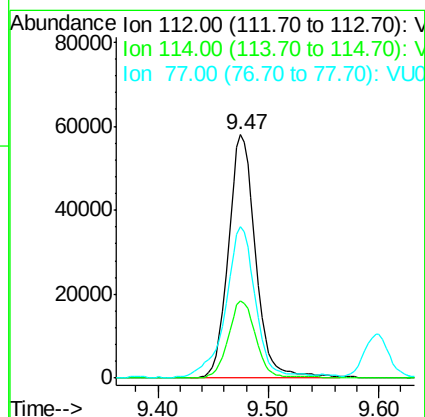
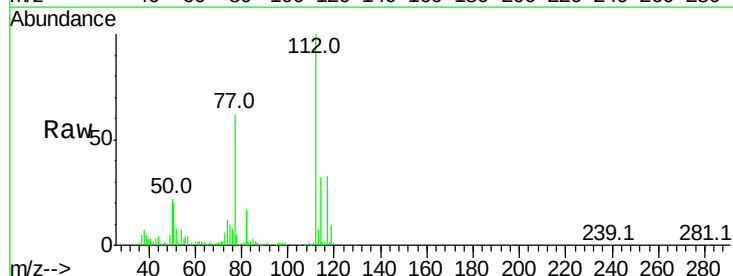
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

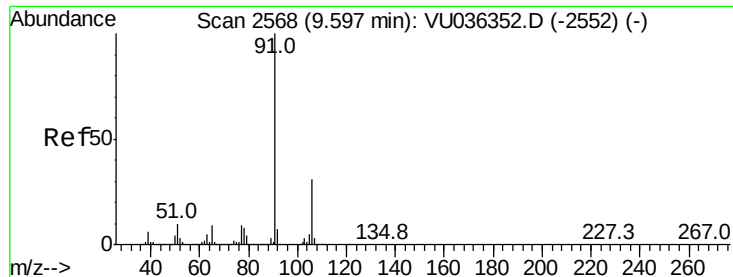
Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.3	67.3	124.9
188	2.7	2.6	3.8



#51
 Chlorobenzene
 Concen: 9.832 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: VU036351.D
 Acq: 27 Dec 2019 12:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.5	41.7
77	62.2	48.7	73.1





#52

Ethylbenzene

Concen: 11.179 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

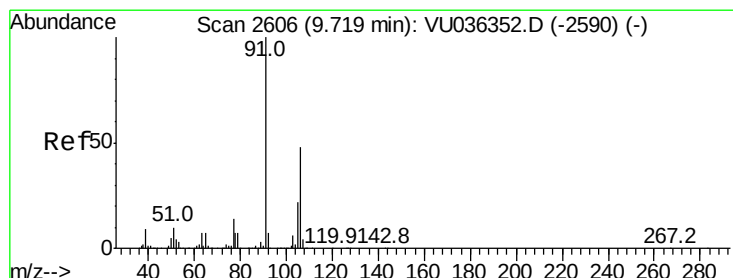
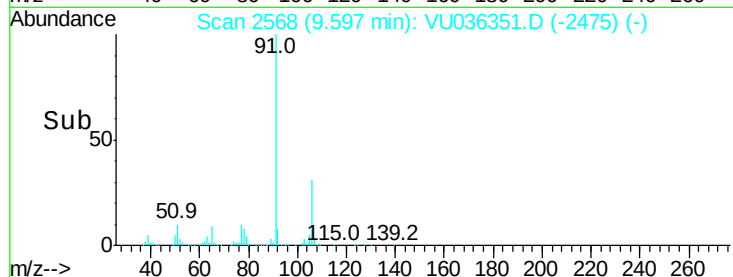
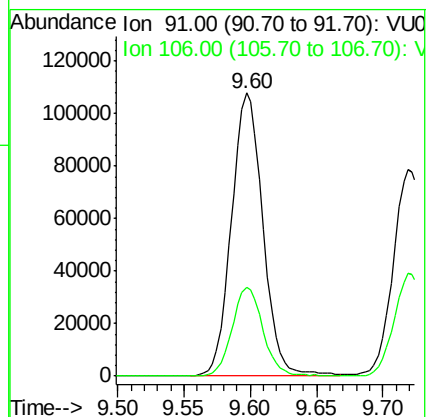
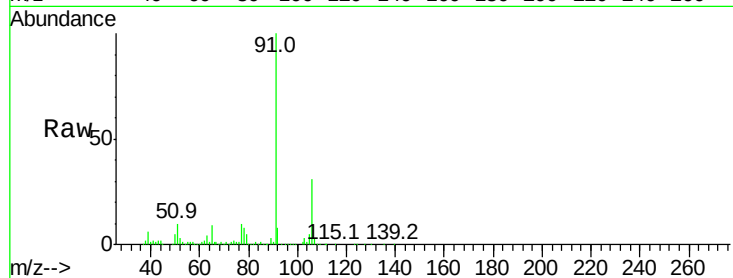
VSTD01033

Tgt Ion: 91 Resp: 176554

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



#53

m,p-Xylene

Concen: 10.754 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036351.D

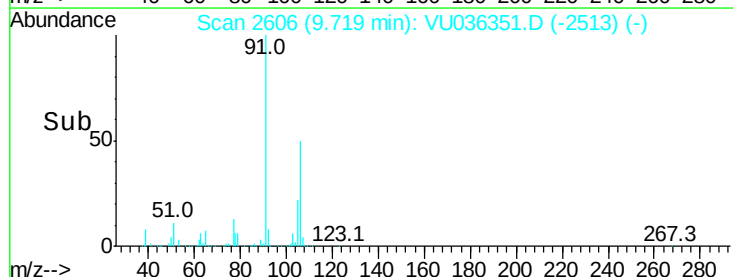
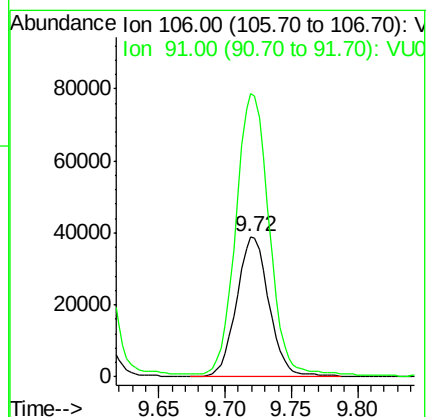
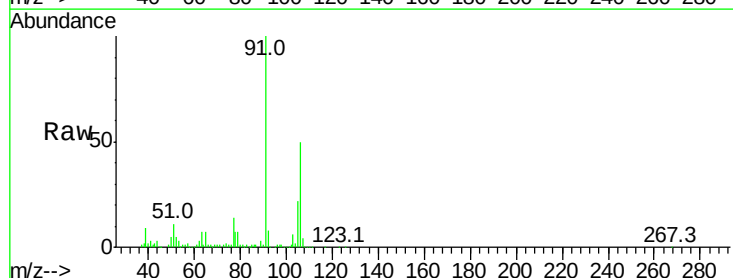
Acq: 27 Dec 2019 12:41

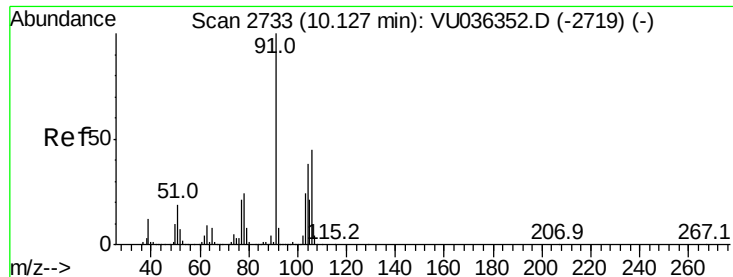
Tgt Ion: 106 Resp: 65606

Ion Ratio Lower Upper

106 100

91 201.5 146.8 272.6





#54

o-xylene

Concen: 11.434 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

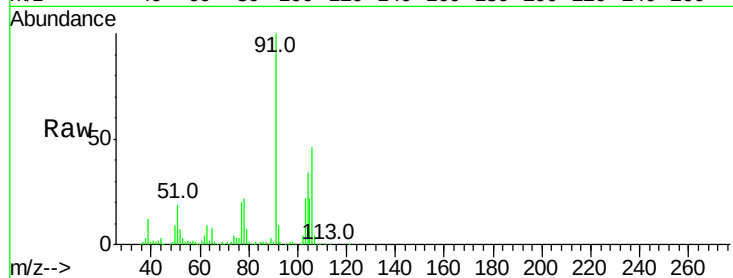
VSTD01033

Tgt Ion:106 Resp: 67342

Ion Ratio Lower Upper

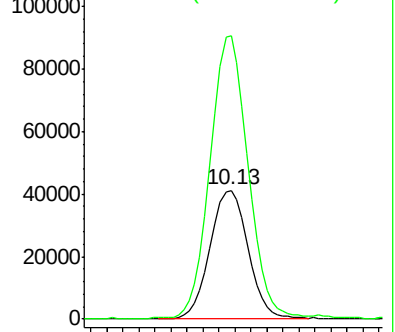
106 100

91 219.6 156.4 290.4

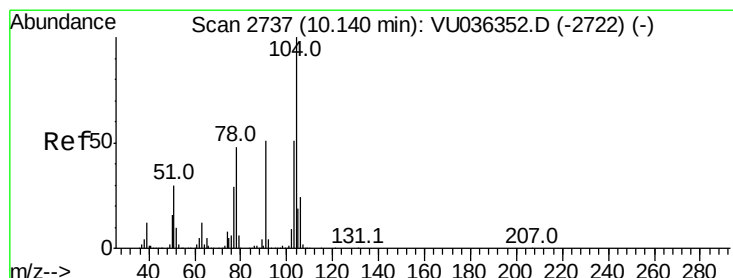
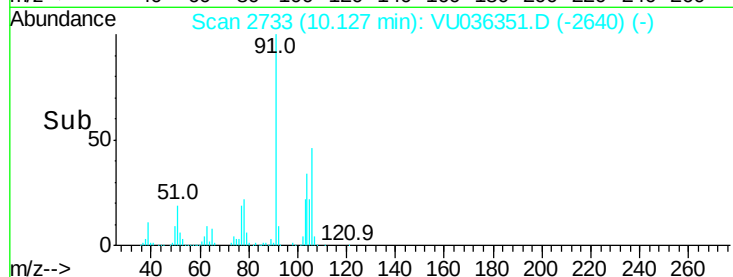


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 10.760 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036351.D

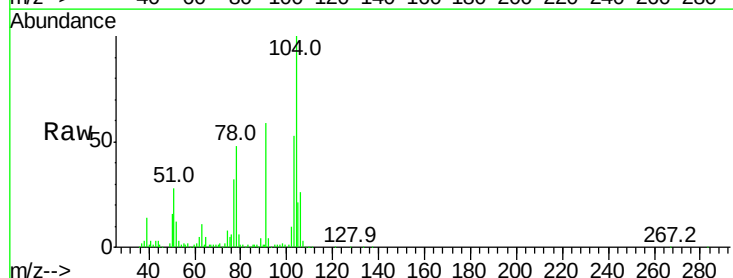
Acq: 27 Dec 2019 12:41

Tgt Ion:104 Resp: 110012

Ion Ratio Lower Upper

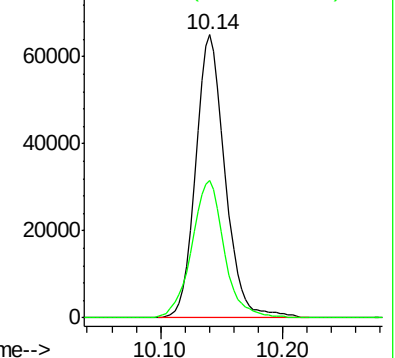
104 100

78 48.5 33.9 63.0

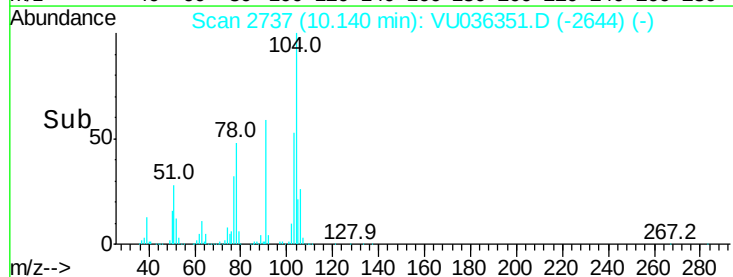


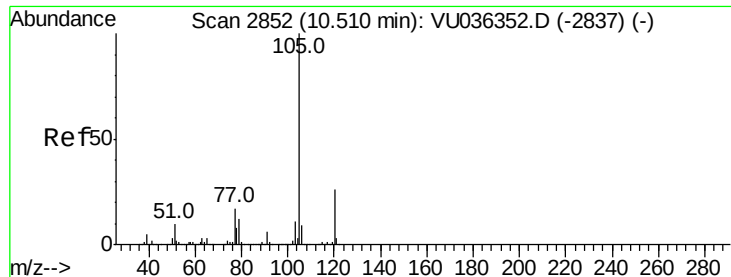
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 11.083 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

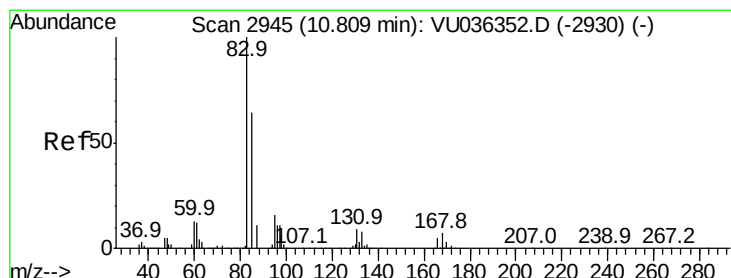
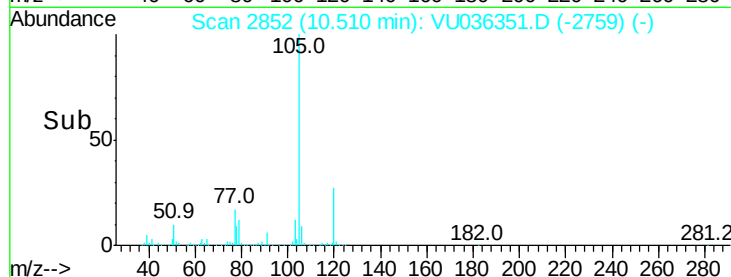
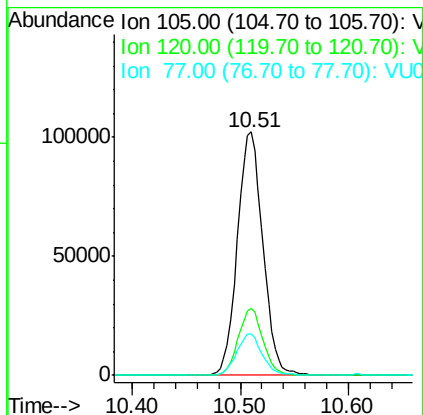
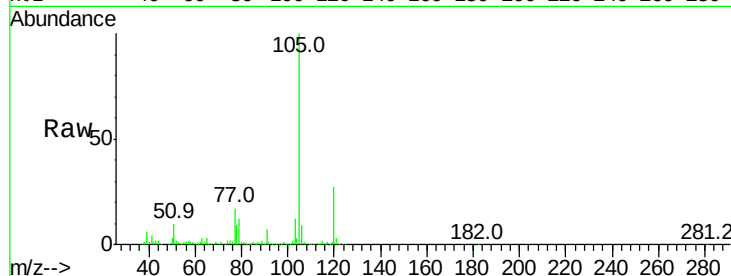
Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

Tgt Ion:	105	Resp:	169051
Ion Ratio	Lower	Upper	
105	100		
120	26.4	21.0	31.4
77	16.7	13.3	19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 10.895 ug/L

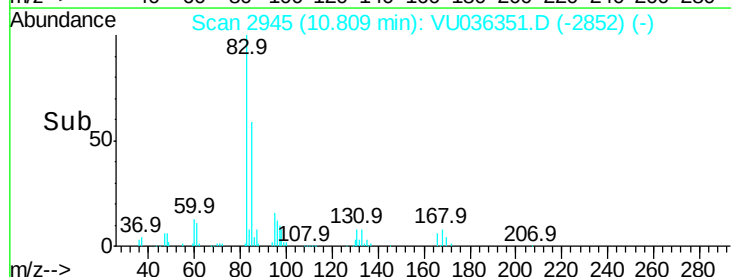
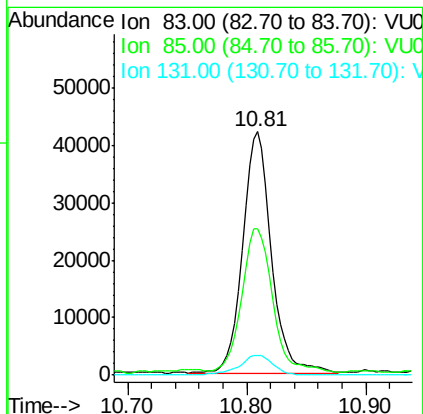
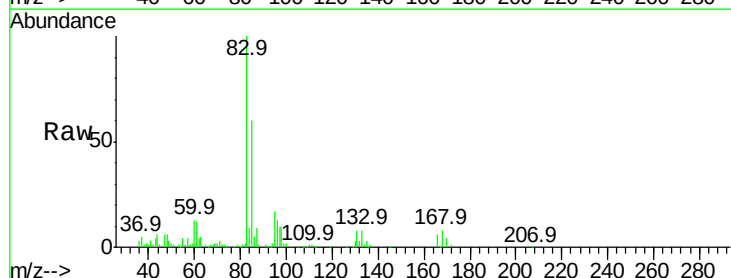
RT: 10.81 min Scan# 2945

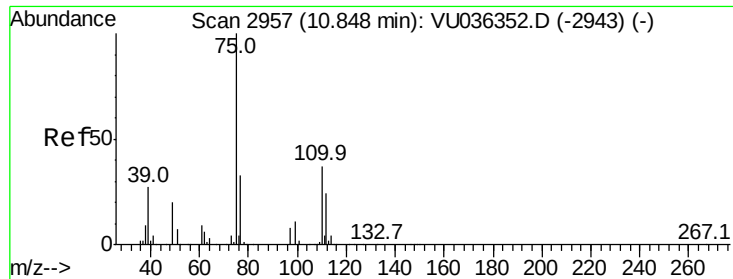
Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Tgt Ion:	83	Resp:	69814
Ion Ratio	Lower	Upper	
83	100		
85	60.0	45.3	84.1
131	8.1	7.5	11.3





#59

1,2,3-Trichloropropane

Concen: 10.510 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

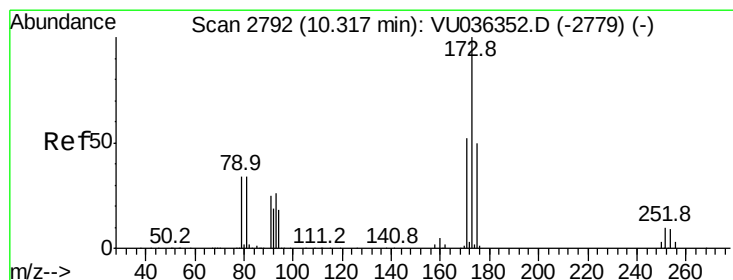
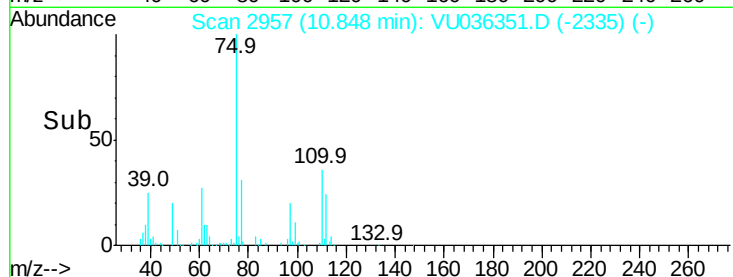
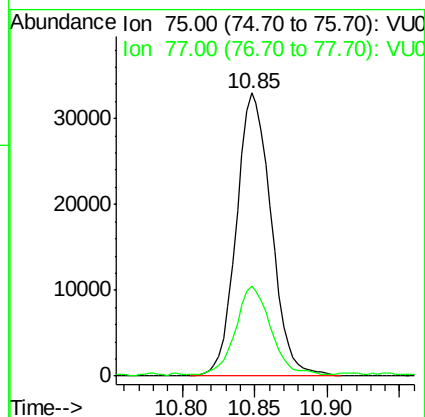
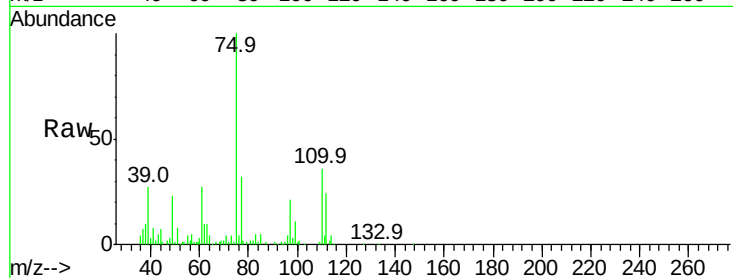
VSTD01033

Tgt Ion: 75 Resp: 54988

Ion Ratio Lower Upper

75 100

77 31.5 26.3 39.5



#61

Bromoform

Concen: 10.945 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

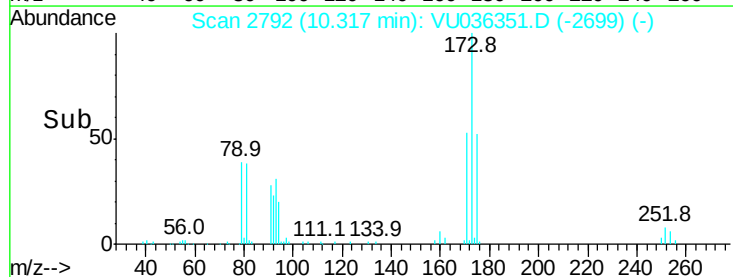
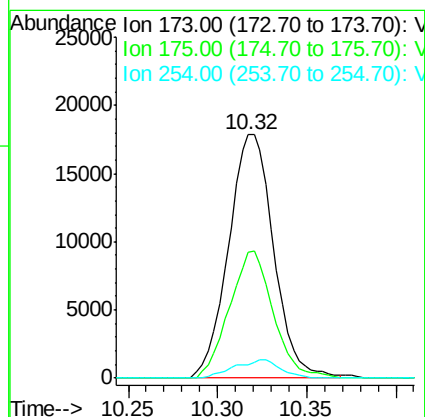
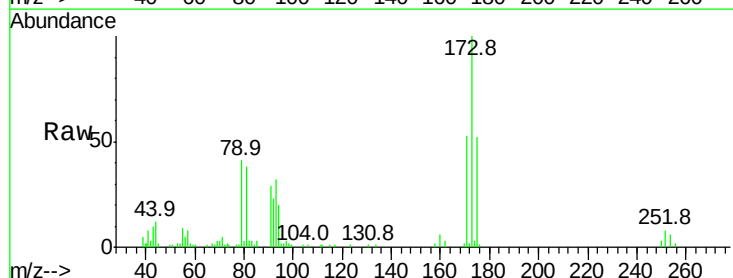
Tgt Ion: 173 Resp: 31472

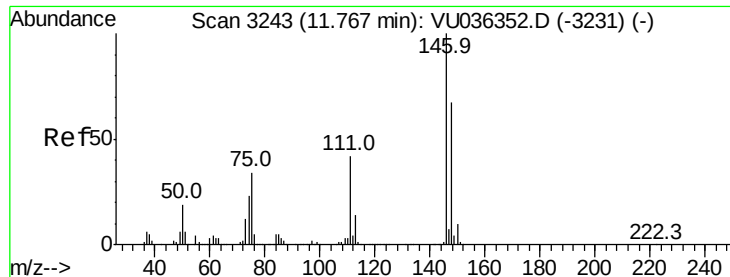
Ion Ratio Lower Upper

173 100

175 50.7 38.7 58.1

254 7.7 6.9 10.3

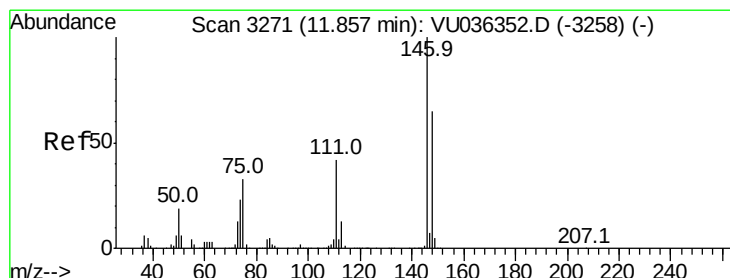
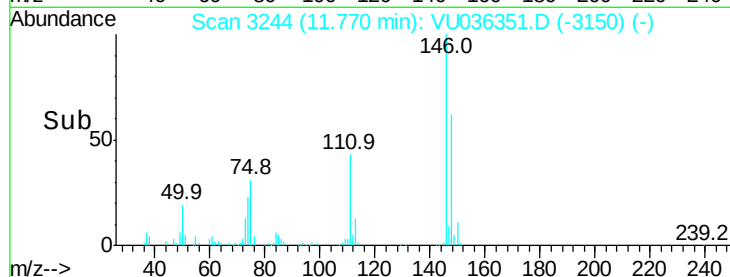
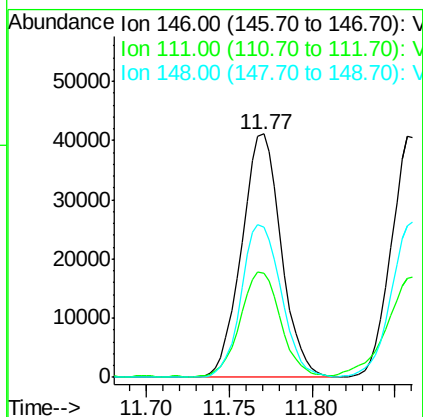
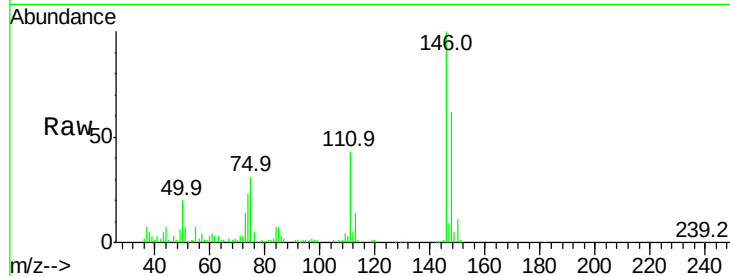




#62
 1,3-Dichlorobenzene
 Concen: 10.353 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU036351.D
 Acq: 27 Dec 2019 12:41

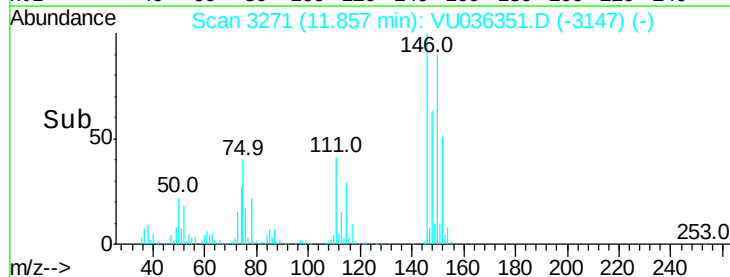
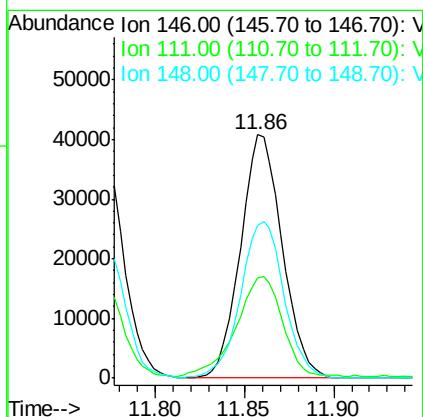
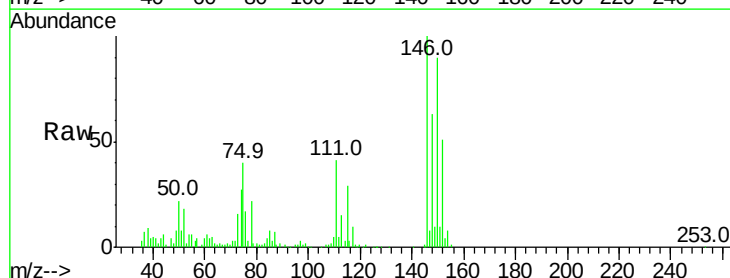
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

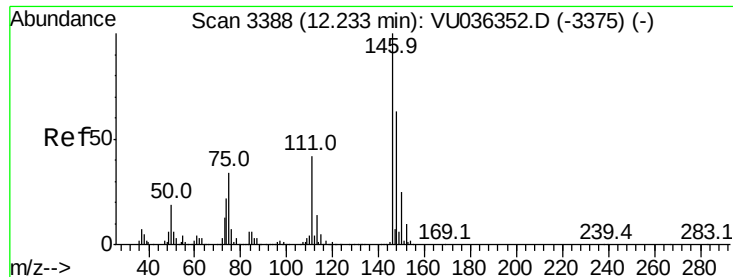
Tgt Ion:146 Resp: 68252
 Ion Ratio Lower Upper
 146 100
 111 42.9 29.1 54.1
 148 61.6 46.9 87.1



#63
 1,4-Dichlorobenzene
 Concen: 9.826 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036351.D
 Acq: 27 Dec 2019 12:41

Tgt Ion:146 Resp: 66553
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.7 55.1
 148 62.9 45.6 84.6





#65

1,2-Dichlorobenzene

Concen: 10.197 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

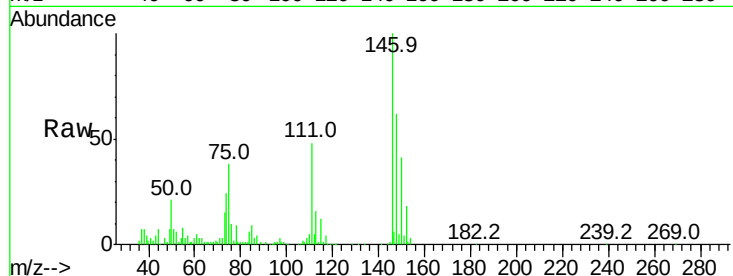
Tgt Ion:146 Resp: 68806

Ion Ratio Lower Upper

146 100

111 48.4 33.4 50.2

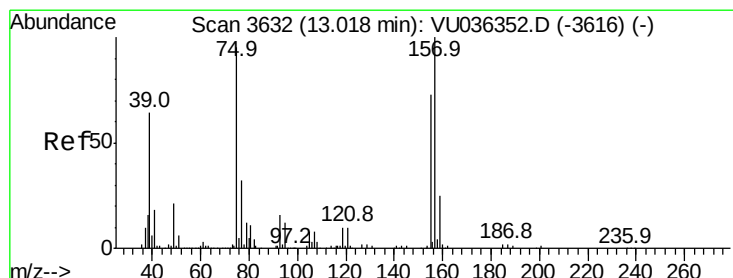
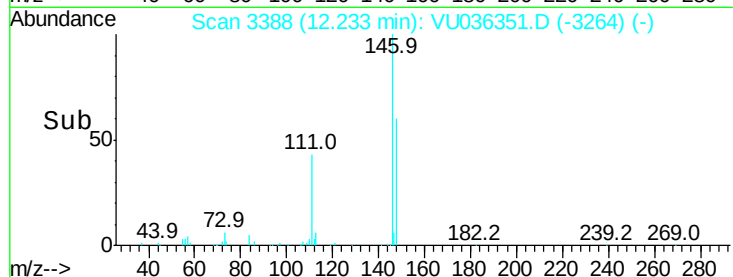
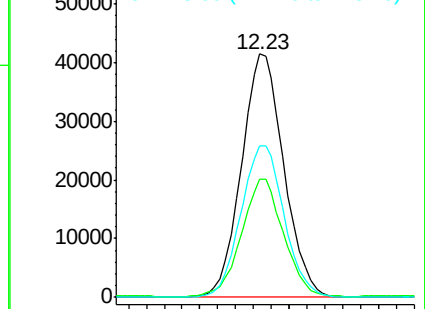
148 62.1 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 13.284 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

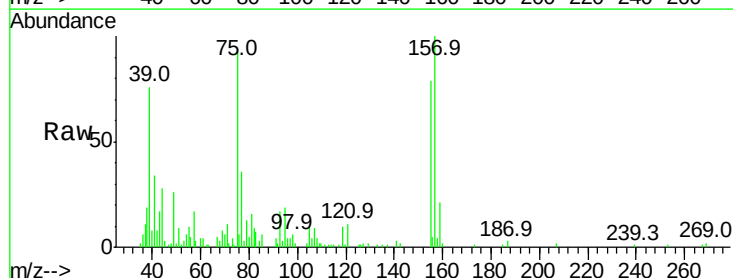
Tgt Ion: 75 Resp: 15827

Ion Ratio Lower Upper

75 100

155 84.8 61.8 92.6

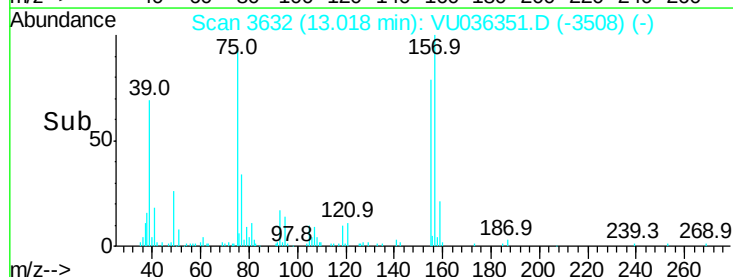
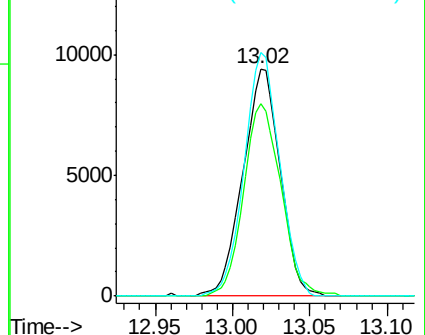
157 107.0 84.2 126.2

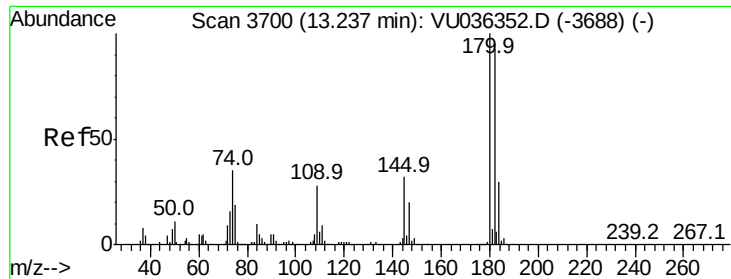


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

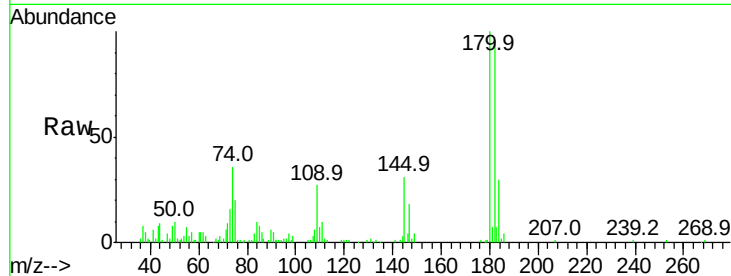




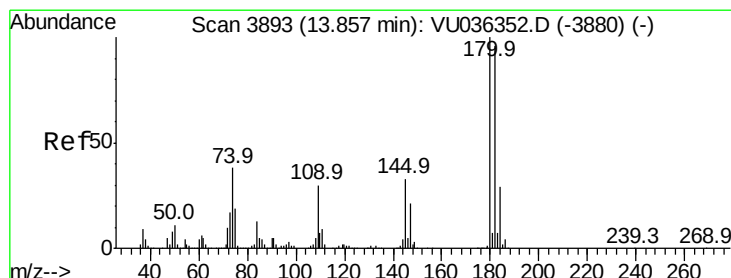
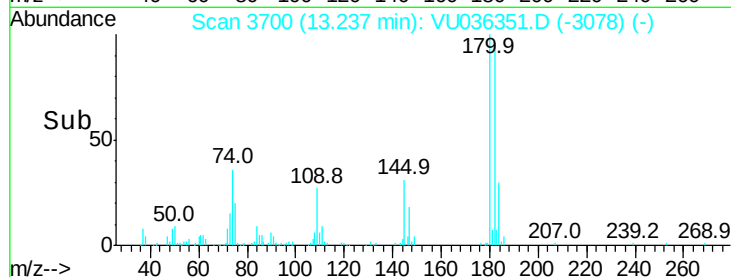
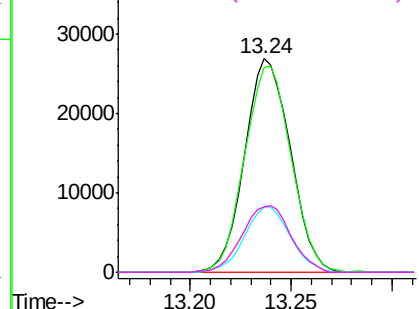
#67
 1,3,5-Trichlorobenzene
 Concen: 9.039 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036351.D
 Acq: 27 Dec 2019 12:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion:180 Resp: 42771
 Ion Ratio Lower Upper
 180 100
 182 98.4 74.6 112.0
 184 30.6 23.9 35.9
 145 33.2 25.4 38.2

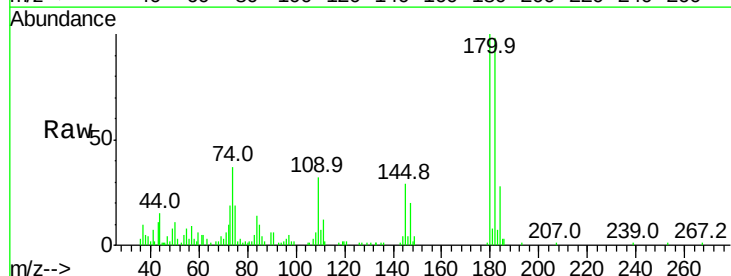


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

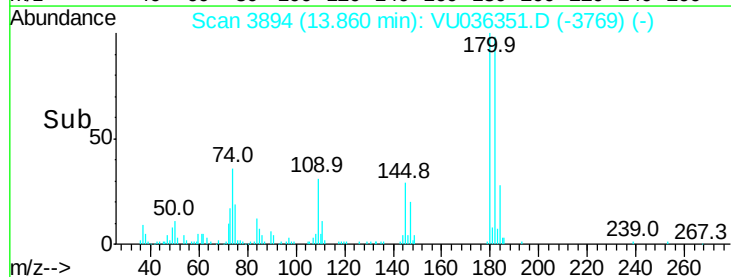
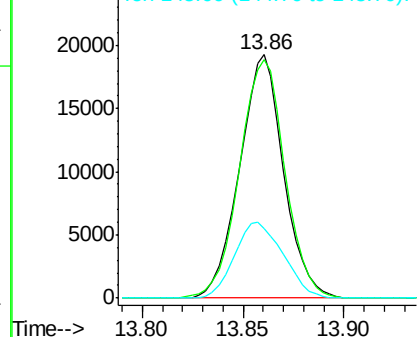


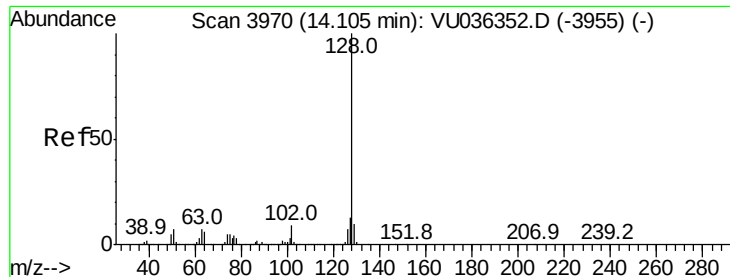
#68
 1,2,4-trichlorobenzene
 Concen: 8.463 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036351.D
 Acq: 27 Dec 2019 12:41

Tgt Ion:180 Resp: 29370
 Ion Ratio Lower Upper
 180 100
 182 101.3 78.0 117.0
 145 34.3 26.0 39.0



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





#69

Naphthalene

Concen: 10.733 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

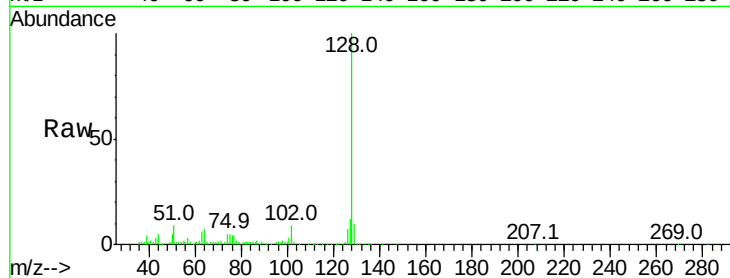
Tgt Ion:128 Resp: 99448

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

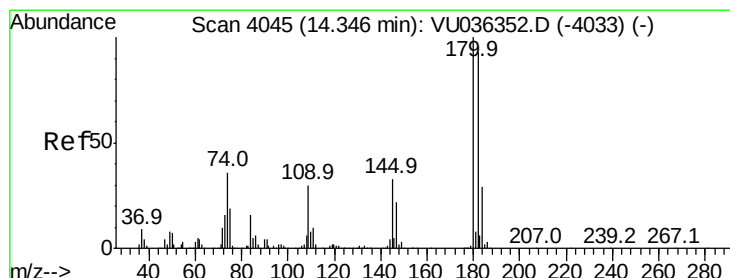
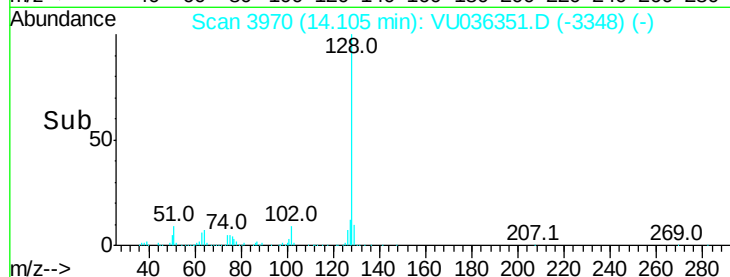
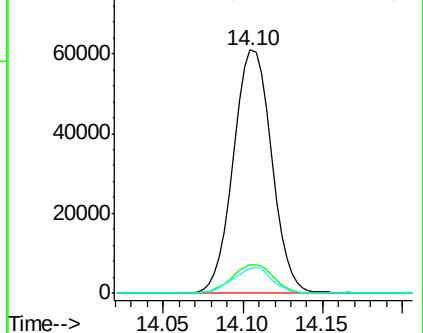
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 8.893 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036351.D

Acq: 27 Dec 2019 12:41

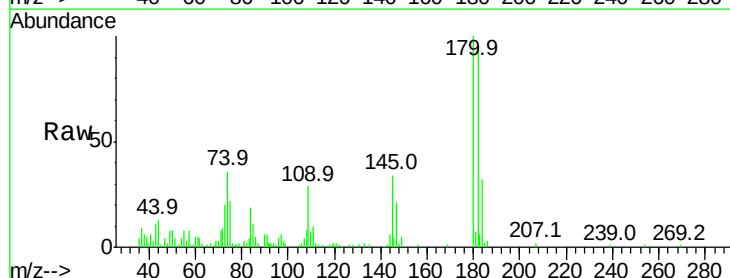
Tgt Ion:180 Resp: 32999

Ion Ratio Lower Upper

180 100

182 96.1 75.4 113.2

145 35.8 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

