

Data File : VU036364.D
Acq On : 28 Dec 2019 12:46
Operator : JC/MD
Sample : VSTD00103
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Quant Time: Dec 30 04:28:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 30 04:25:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	272413	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	257886	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	118663	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20288	0.87	ug/L	0.00
7) Chloroethane-d5	1.93	69	17596	0.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	36844	1.05	ug/L	0.00
20) 2-Butanone-d5	4.70	46	47322	10.20	ug/L	0.00
24) Chloroform-d	5.11	84	40155	1.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	21895	1.06	ug/L	0.00
32) Benzene-d6	5.77	84	77304	1.16	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	24633	1.17	ug/L	0.00
41) Toluene-d8	7.93	98	74260	1.20	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	11775	1.34	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	47742	13.64	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	22004	1.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	26637	1.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	22396	0.783 ug/L	99
3) Chloromethane	1.54	50	20994	0.598 ug/L	95
5) Vinyl chloride	1.62	62	22601	0.672 ug/L	98
6) Bromomethane	1.87	94	12574	0.736 ug/L	92
8) Chloroethane	1.95	64	13288	0.664 ug/L	94
9) Trichlorofluoromethane	2.16	101	33383	0.779 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	17827	0.850 ug/L	94
12) 1,1-Dichloroethene	2.61	96	16540	0.853 ug/L	90
13) Acetone	2.68	43	33403	8.847 ug/L	93
14) Carbon disulfide	2.83	76	55839	0.860 ug/L	97
15) Methyl Acetate	3.00	43	7117	0.930 ug/L #	88
16) Methylene chloride	3.08	84	21980	0.768 ug/L	85
17) Methyl tert-butyl Ether	3.42	73	49073	1.111 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	19022	0.919 ug/L	95
19) 1,1-Dichloroethane	3.92	63	32914	0.869 ug/L	98
21) 2-Butanone	4.77	43	50821	9.880 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	19959	0.897 ug/L #	98
23) Bromochloromethane	5.02	128	9045	0.861 ug/L	89
25) Chloroform	5.13	83	37418	0.908 ug/L	100
27) 1,2-Dichloroethane	5.84	62	23521	0.952 ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	33453	1.049 ug/L	99
30) Cyclohexane	5.43	56	32758	1.169 ug/L	93
31) Carbon tetrachloride	5.57	117	27111	0.946 ug/L	98
33) Benzene	5.82	78	79439	1.019 ug/L	100
34) Trichloroethene	6.58	95	20731	1.018 ug/L	95
35) Methylcyclohexane	6.80	83	32280	1.085 ug/L	97
37) 1,2-Dichloropropane	6.83	63	19970	0.988 ug/L	98
38) Bromodichloromethane	7.14	83	27188	1.031 ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	31696	1.114 ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	144073	12.964 ug/L	98

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	85866	1.024	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	28510	1.210	ug/L	92
45) 1,1,2-Trichloroethane	8.44	97	14564	0.970	ug/L	94
47) Tetrachloroethene	8.58	164	14879	0.840	ug/L	89
48) 2-Hexanone	8.73	43	94471	11.581	ug/L	97
49) Dibromochloromethane	8.84	129	19026	1.025	ug/L	96
50) 1,2-Dibromoethane	8.96	107	15134	1.048	ug/L #	99
51) Chlorobenzene	9.47	112	53516	0.966	ug/L	96
52) Ethylbenzene	9.60	91	95358	1.098	ug/L	93
53) m,p-Xylene	9.72	106	35627	1.079	ug/L	91
54) o-Xylene	10.13	106	36478	1.135	ug/L	93
55) Styrene	10.14	104	59929	1.068	ug/L	92
56) Isopropylbenzene	10.51	105	94485	1.137	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	19696	1.027	ug/L #	97
59) 1,2,3-Trichloropropane	10.85	75	13639	1.022	ug/L	90
61) Bromoform	10.32	173	11000	1.057	ug/L	95
62) 1,3-Dichlorobenzene	11.77	146	40275	1.012	ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	40145	1.017	ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	38770	1.024	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	4177	1.525	ug/L #	81
67) 1,3,5-Trichlorobenzene	13.24	180	28268	0.942	ug/L	95
68) 1,2,4-trichlorobenzene	13.86	180	17943	0.885	ug/L	95
69) Naphthalene	14.11	128	26559	0.952	ug/L #	94
70) 1,2,3-Trichlorobenzene	14.35	180	18490	0.956	ug/L	97

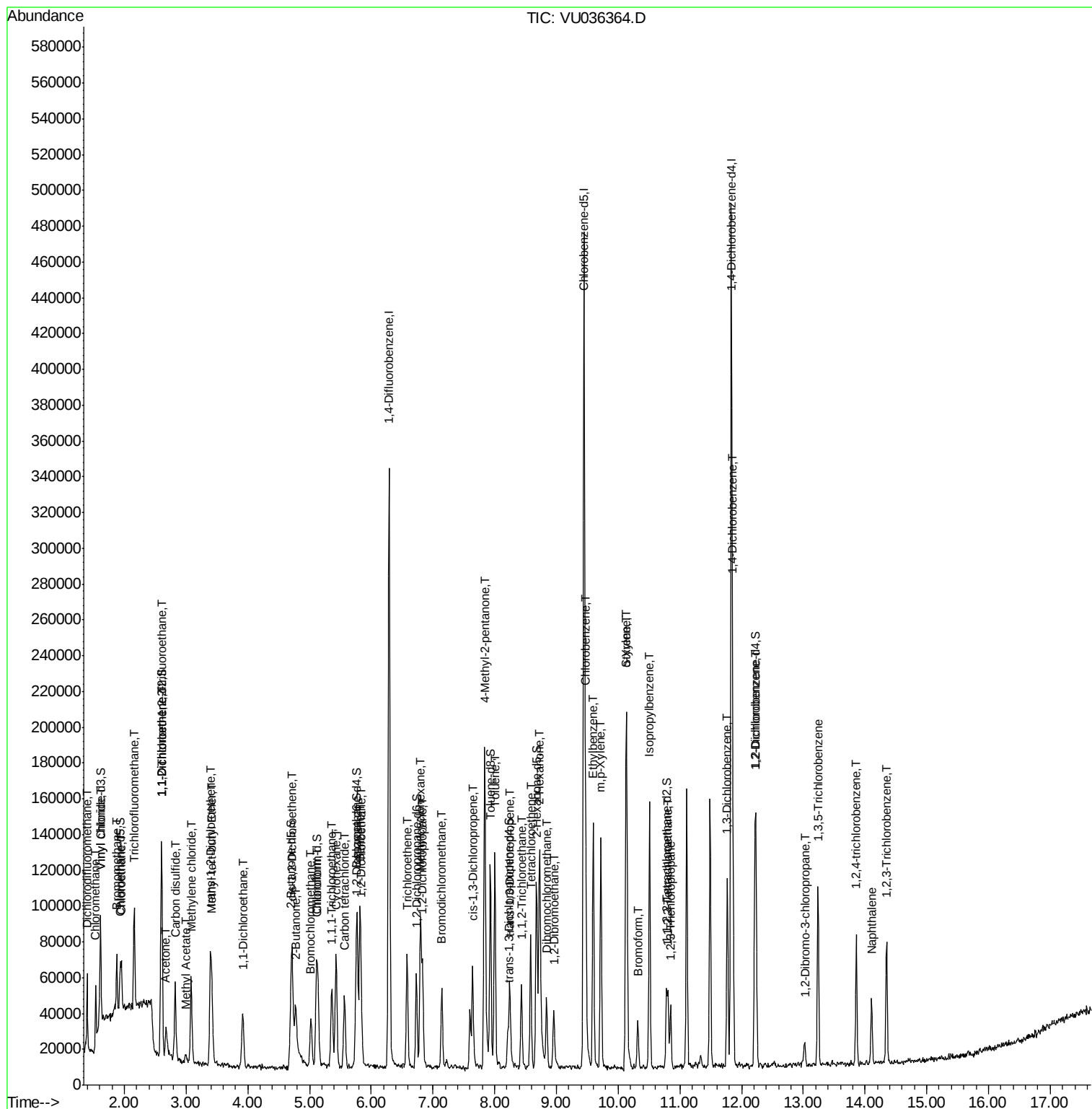
(#) = qualifier out of range (m) = manual integration (+) = signals summed

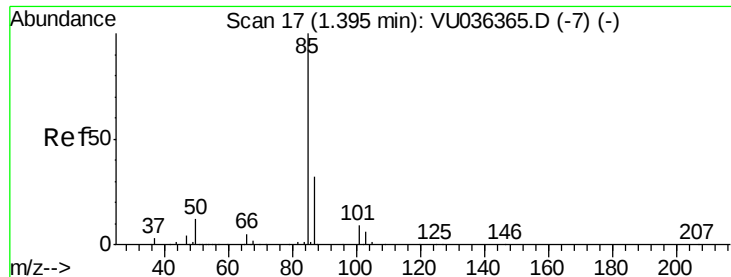
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#2

Dichlorodifluoromethane

Concen: 0.783 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

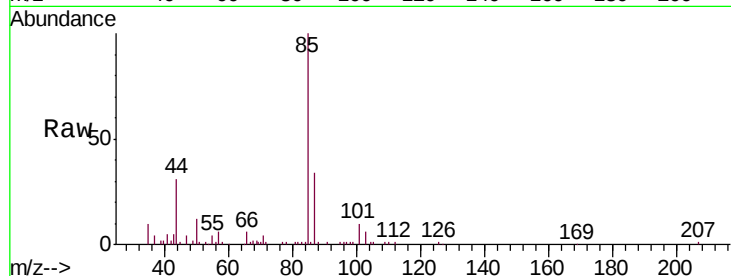
VSTD00103

Tgt Ion: 85 Resp: 22396

Ion Ratio Lower Upper

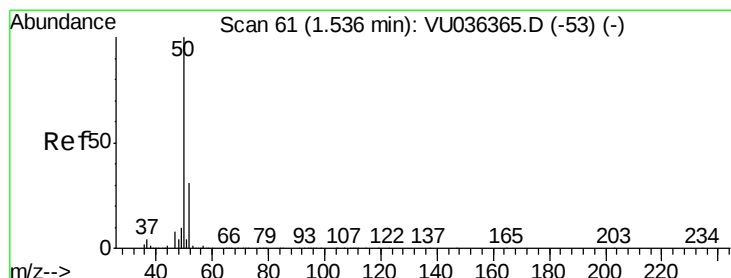
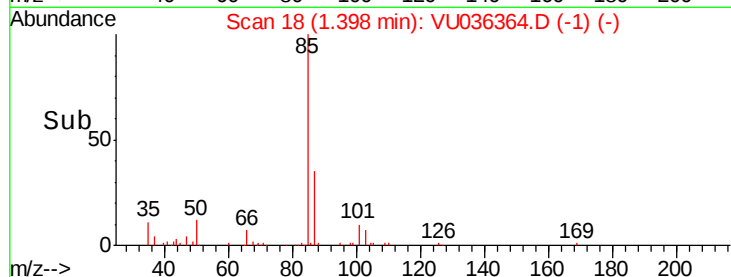
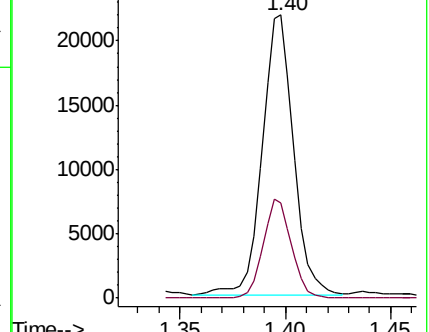
85 100

87 31.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036365.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU036365.D (-7) (-)



#3

Chloromethane

Concen: 0.598 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036364.D

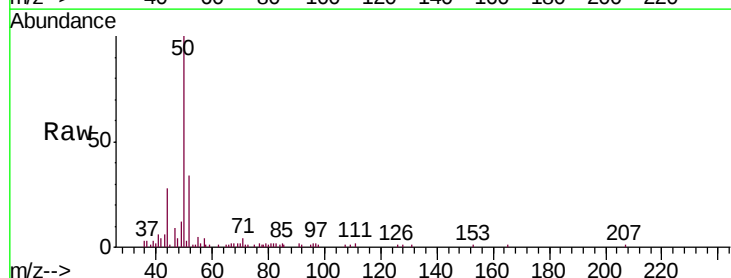
Acq: 28 Dec 2019 12:46

Tgt Ion: 50 Resp: 20994

Ion Ratio Lower Upper

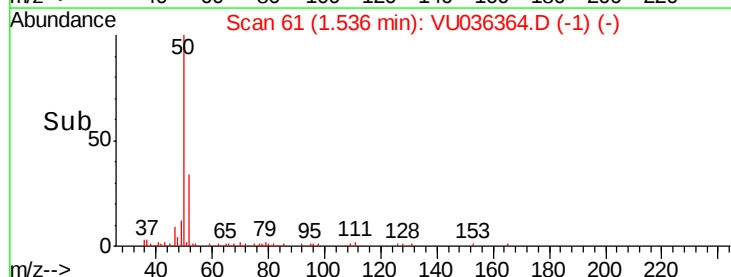
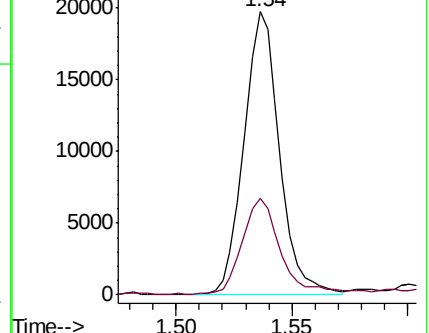
50 100

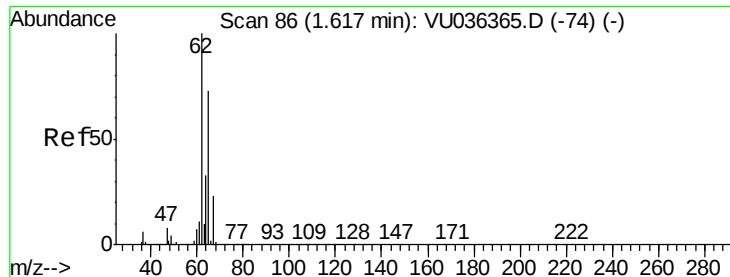
52 33.9 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VU036365.D (-53) (-)

Ion 52.05 (51.75 to 52.75): VU036365.D (-53) (-)





#5

Vinyl chloride

Concen: 0.672 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

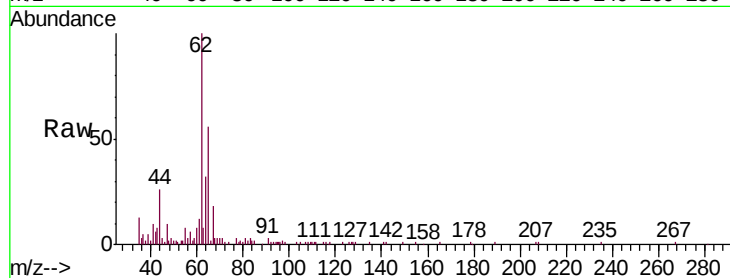
VSTD00103

Tgt Ion: 62 Resp: 22601

Ion Ratio Lower Upper

62 100

64 31.8 22.9 42.5

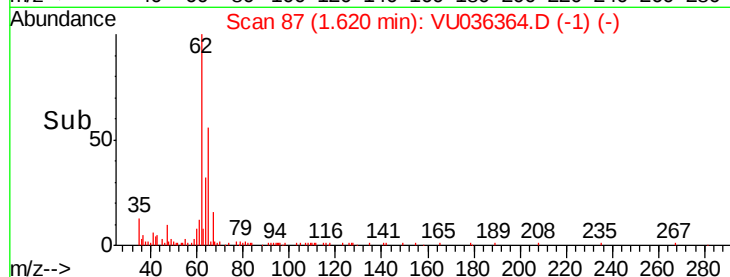


Abundance Ion 62.00 (61.70 to 62.70): VU036365.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU036365.D (-74) (-)

1.62

1.60 1.65

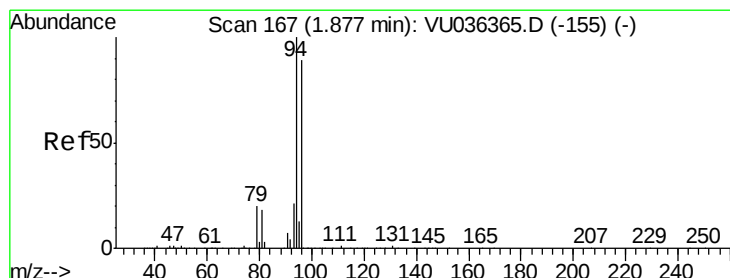


Abundance Ion 62.00 (61.70 to 62.70): VU036364.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU036364.D (-1) (-)

1.62

1.60 1.65



#6

Bromomethane

Concen: 0.736 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036364.D

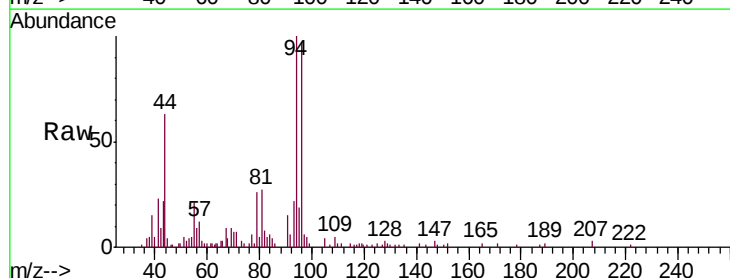
Acq: 28 Dec 2019 12:46

Tgt Ion: 94 Resp: 12574

Ion Ratio Lower Upper

94 100

96 97.5 62.9 116.7

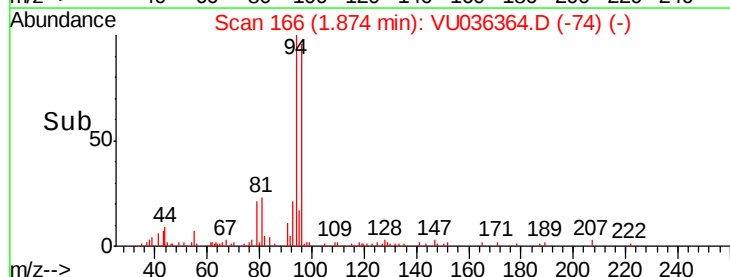


Abundance Ion 94.00 (93.70 to 94.70): VU036365.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036365.D (-155) (-)

1.87

1.85 1.90

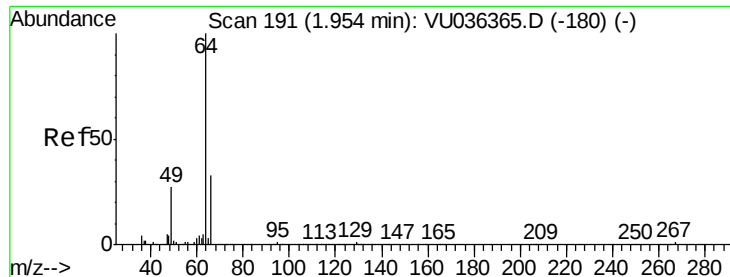


Abundance Ion 94.00 (93.70 to 94.70): VU036364.D (-74) (-)

Ion 96.00 (95.70 to 96.70): VU036364.D (-74) (-)

1.87

1.85 1.90



#8

Chloroethane

Concen: 0.664 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

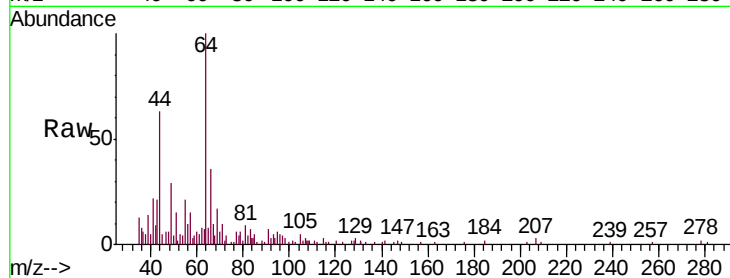
VSTD00103

Tgt Ion: 64 Resp: 13288

Ion Ratio Lower Upper

64 100

66 36.0 23.0 42.6



Abundance Ion 64.10 (63.80 to 64.80): VU036365.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU036365.D (-180) (-)

12000

10000

8000

6000

4000

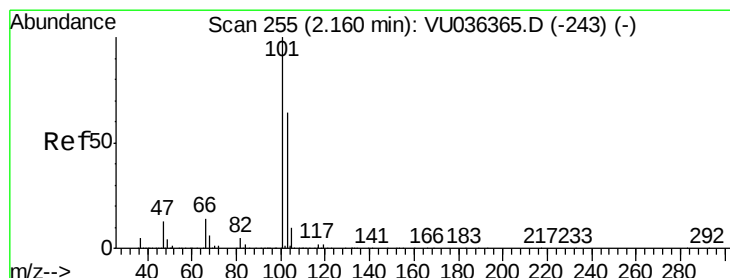
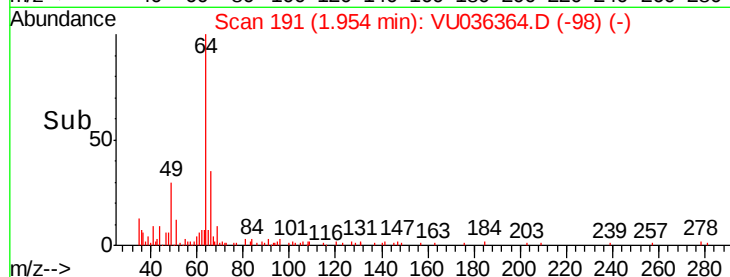
2000

0

1.95

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 0.779 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU036364.D

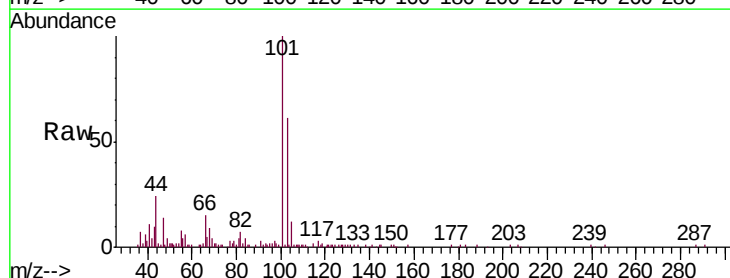
Acq: 28 Dec 2019 12:46

Tgt Ion: 101 Resp: 33383

Ion Ratio Lower Upper

101 100

103 60.9 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VU036365.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036365.D (-243) (-)

25000

20000

15000

10000

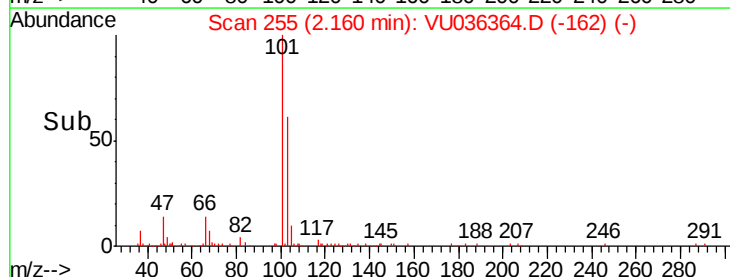
5000

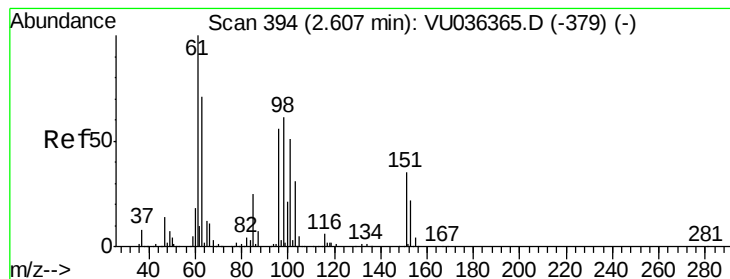
0

2.16

2.10 2.15 2.20

Time-->





#10

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

Concen: 0.850 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

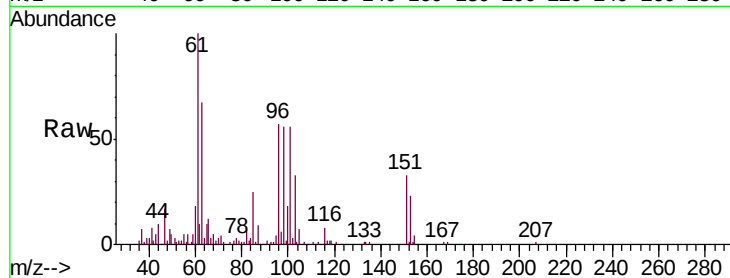
Tgt Ion:101 Resp: 17827

Ion Ratio Lower Upper

101 100

85 42.6 39.1 58.7

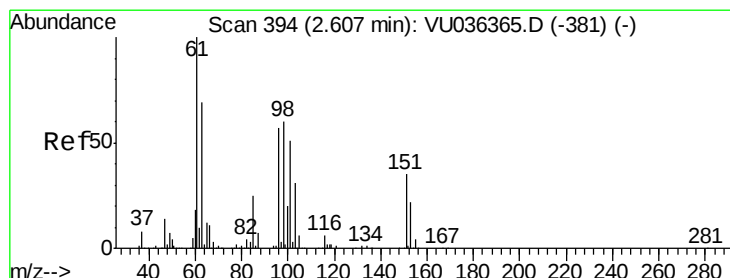
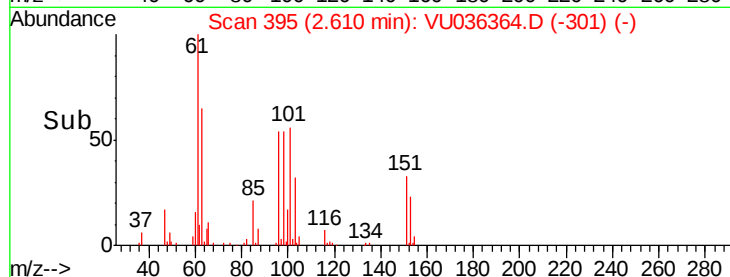
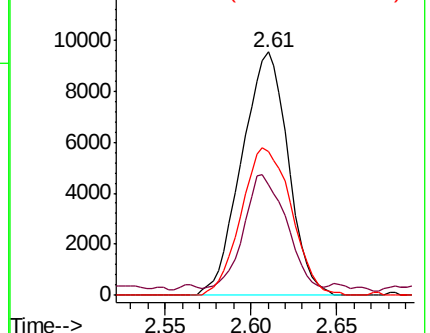
151 65.7 54.9 82.3



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: 0.853 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

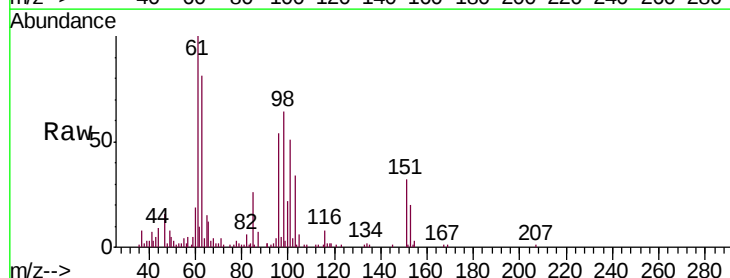
Tgt Ion: 96 Resp: 16540

Ion Ratio Lower Upper

96 100

61 183.5 123.8 230.0

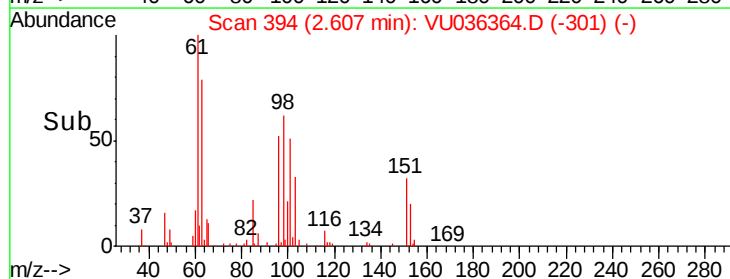
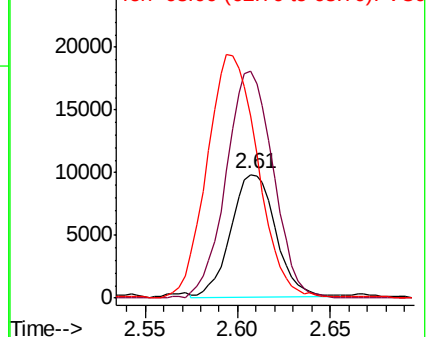
63 148.0 89.0 165.4

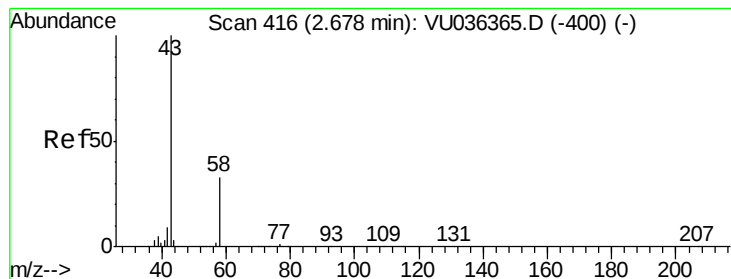


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.847 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

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Acq: 28 Dec 2019 12:46

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MSVOA_U

ClientSampleId :

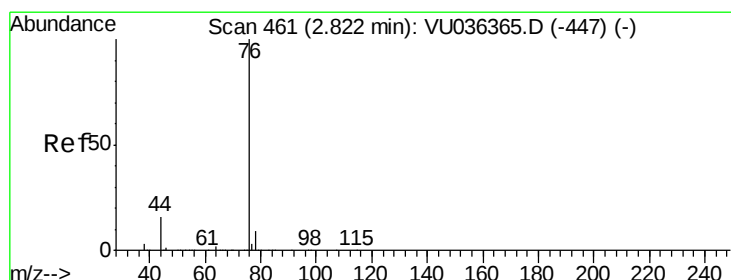
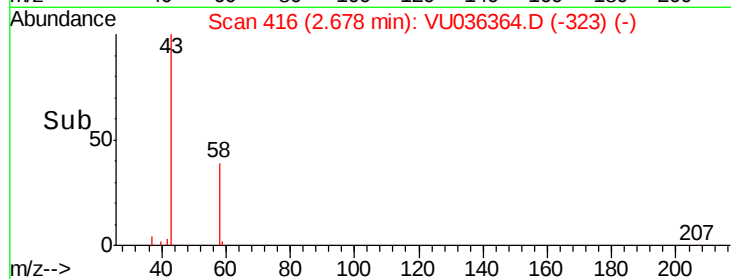
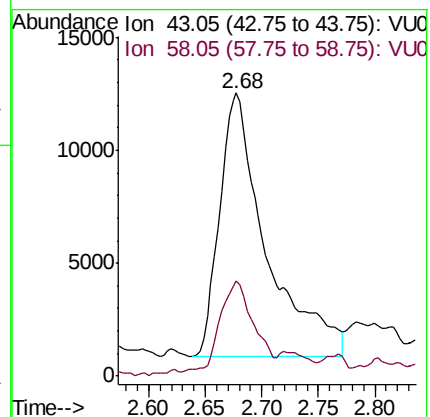
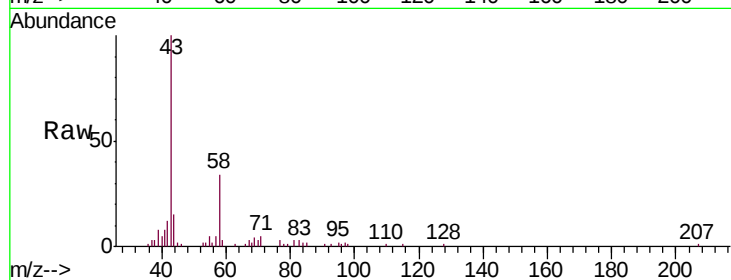
VSTD00103

Tgt Ion: 43 Resp: 33403

Ion Ratio Lower Upper

43 100

58 24.9 0.0 57.0



#14

Carbon disulfide

Concen: 0.860 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU036364.D

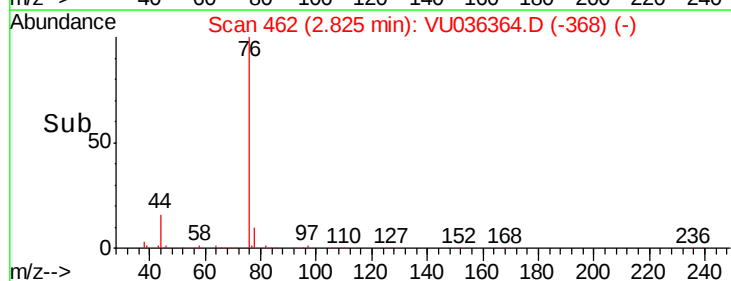
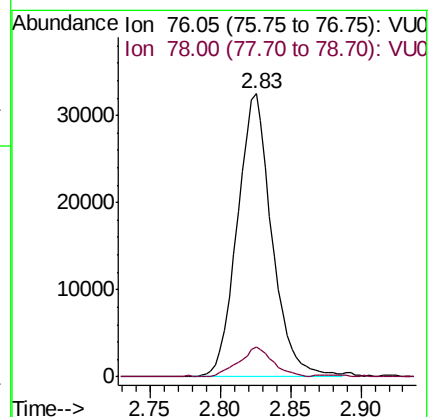
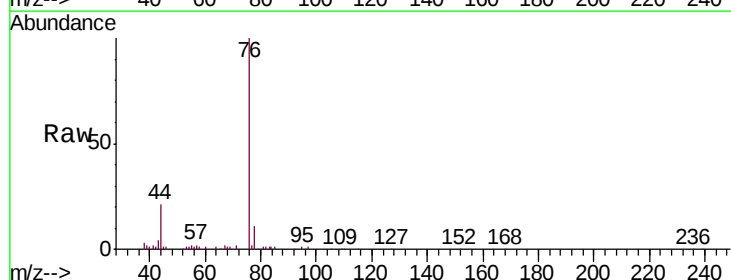
Acq: 28 Dec 2019 12:46

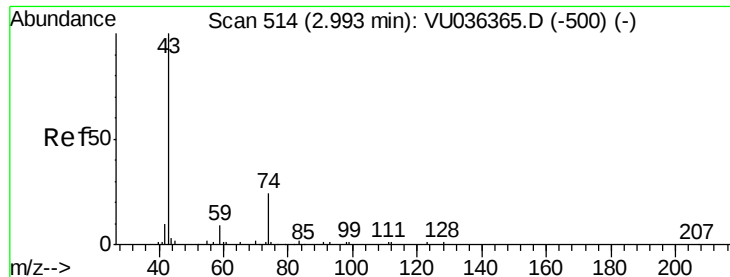
Tgt Ion: 76 Resp: 55839

Ion Ratio Lower Upper

76 100

78 10.6 7.6 11.4

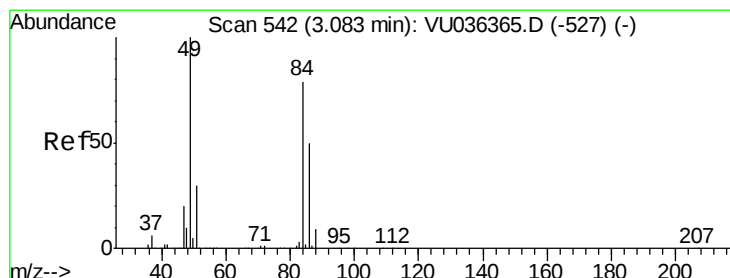
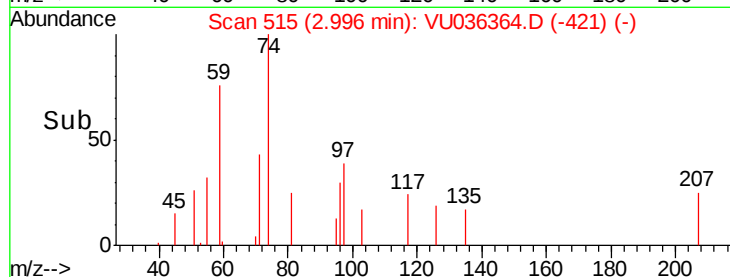
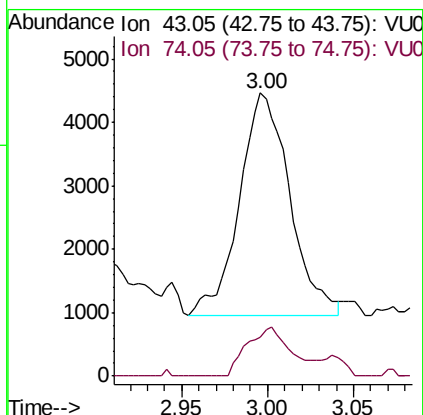
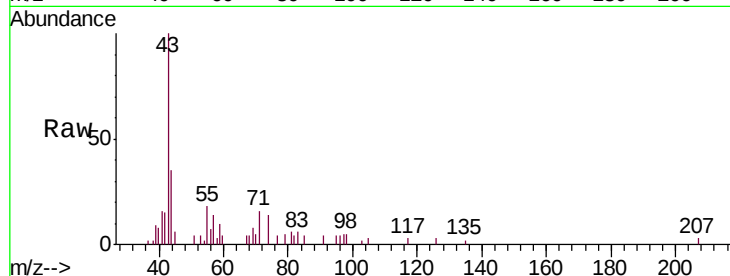




#15
Methyl Acetate
Concen: 0.930 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

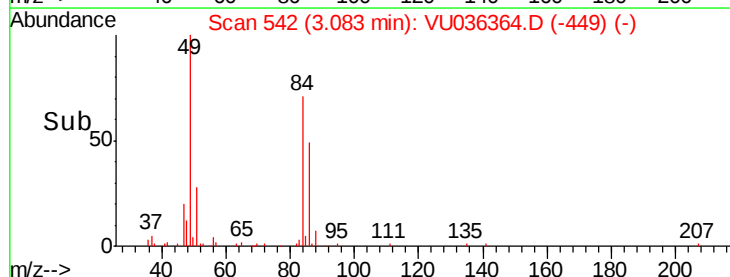
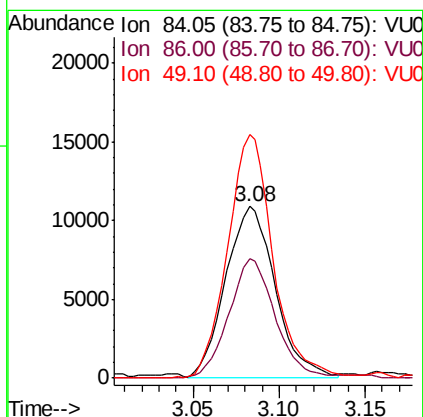
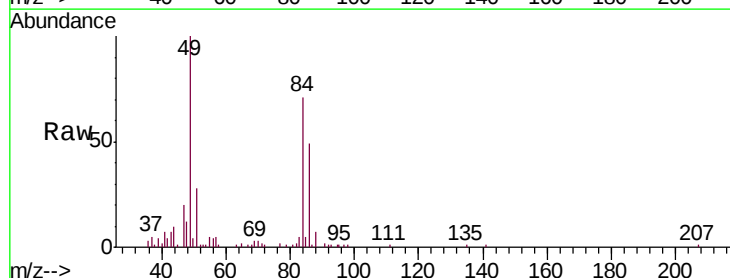
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

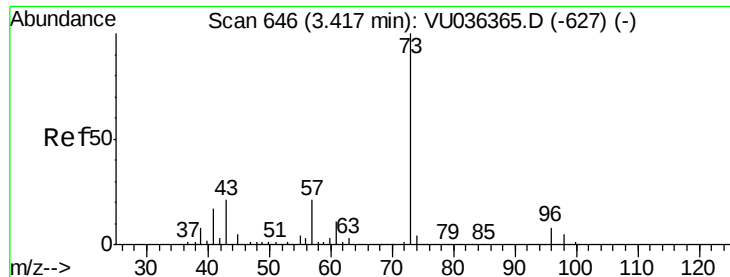
Tgt Ion: 43 Resp: 7117
Ion Ratio Lower Upper
43 100
74 18.9 20.1 30.1#



#16
Methylene chloride
Concen: 0.768 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

Tgt Ion: 84 Resp: 21980
Ion Ratio Lower Upper
84 100
86 69.5 44.4 82.5
49 147.7 89.0 165.2

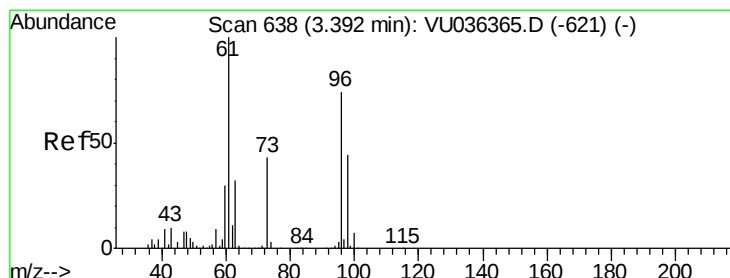
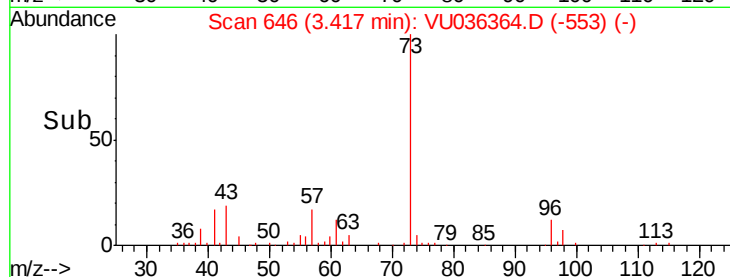
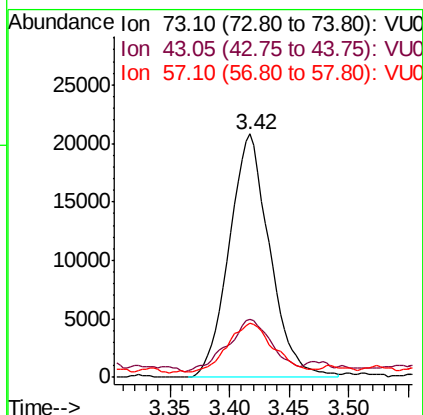
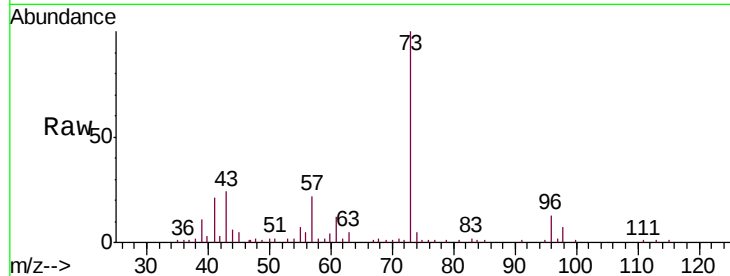




#17
Methyl tert-butyl Ether
Concen: 1.111 ug/L
RT: 3.42 min Scan# 646
Delta R.T. -0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

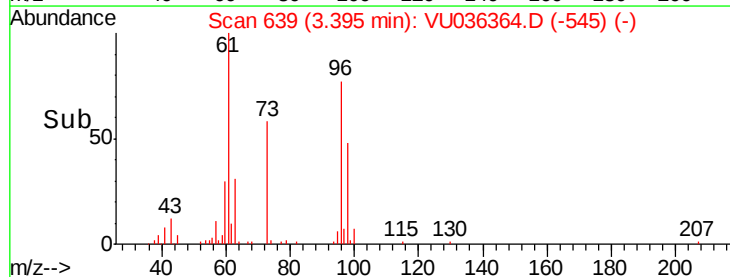
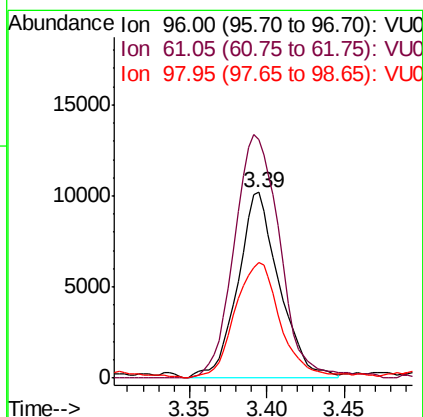
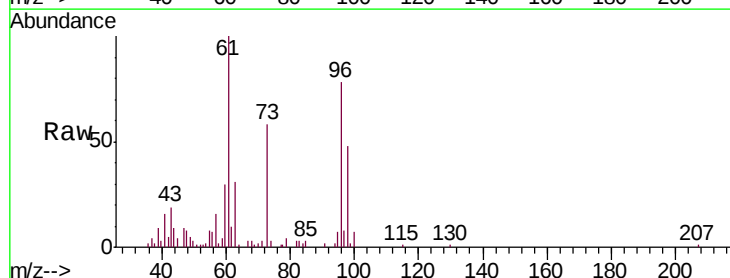
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

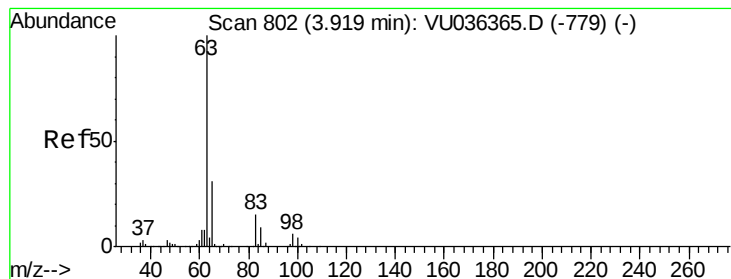
Tgt Ion: 73 Resp: 49073
Ion Ratio Lower Upper
73 100
43 22.9 16.3 24.5
57 22.5 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 0.919 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

Tgt Ion: 96 Resp: 19022
Ion Ratio Lower Upper
96 100
61 128.6 94.8 176.2
98 62.2 42.3 78.5





#19

1,1-Dichloroethane

Concen: 0.869 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

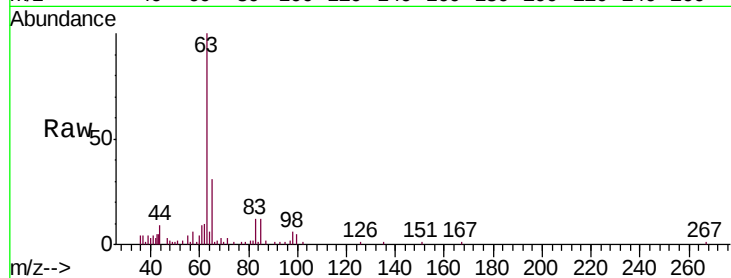
Tgt Ion: 63 Resp: 32914

Ion Ratio Lower Upper

63 100

65 31.3 21.9 40.7

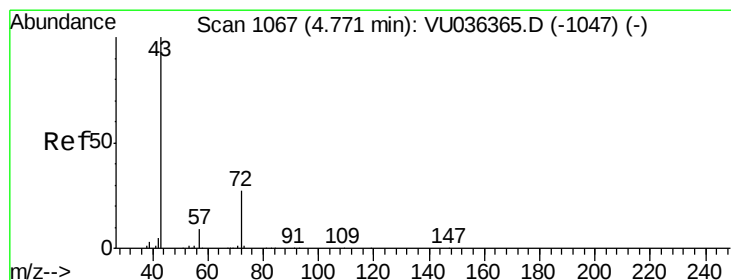
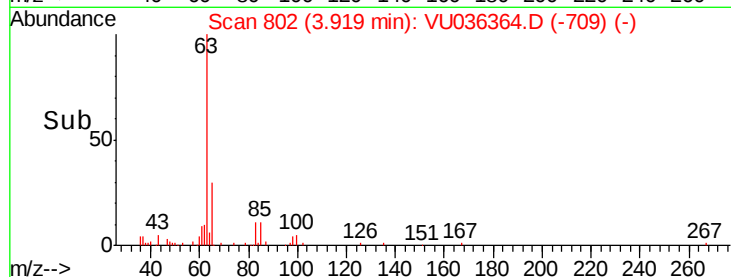
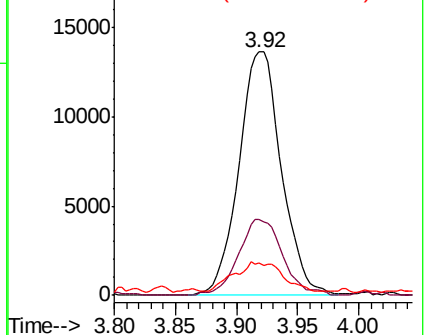
83 13.3 10.6 19.8



Abundance Ion 63.10 (62.80 to 63.80): VU036365.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU036365.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU036365.D (-779) (-)



#21

2-Butanone

Concen: 9.880 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU036364.D

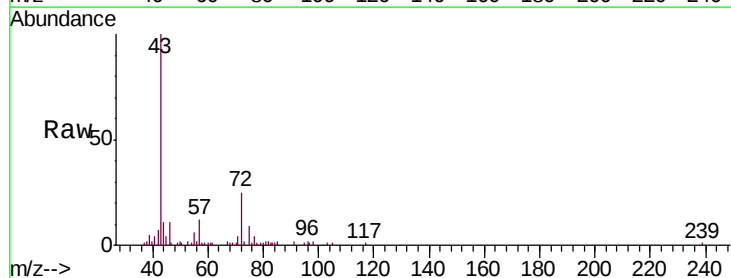
Acq: 28 Dec 2019 12:46

Tgt Ion: 43 Resp: 50821

Ion Ratio Lower Upper

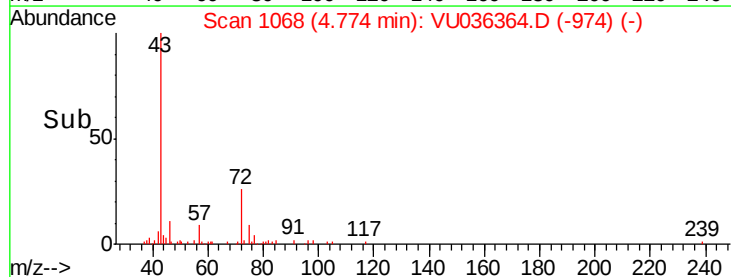
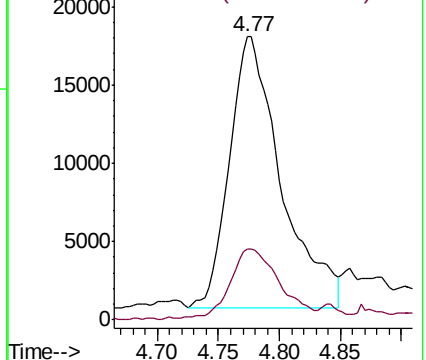
43 100

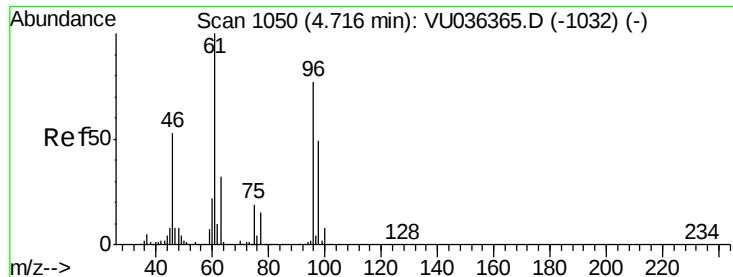
72 24.0 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VU036365.D (-1047) (-)

Ion 72.10 (71.80 to 72.80): VU036365.D (-1047) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.897 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

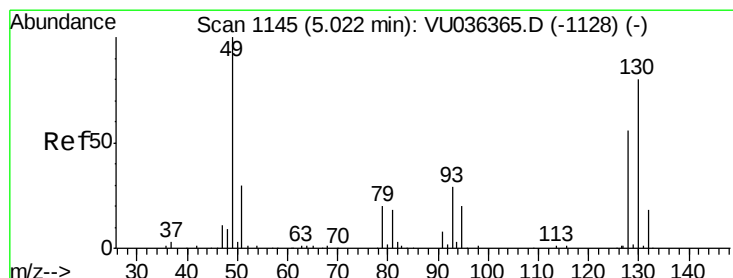
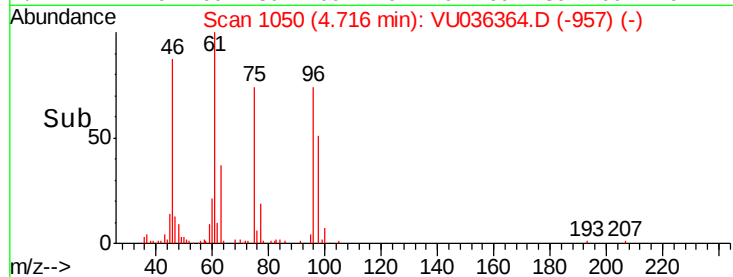
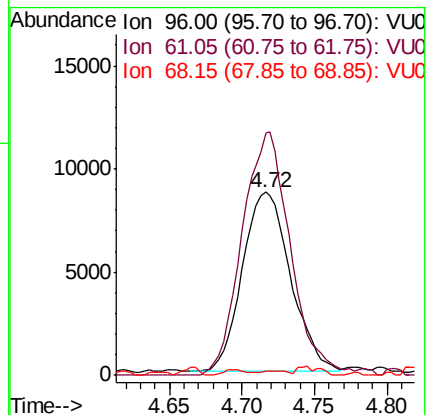
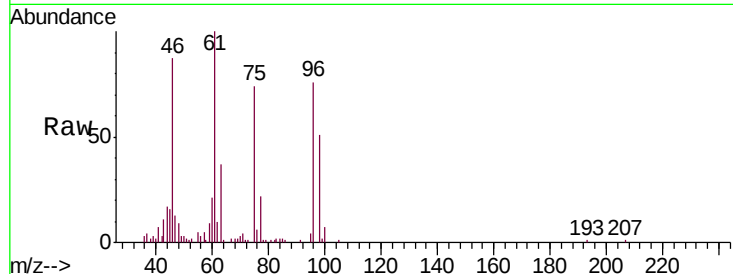
Tgt Ion: 96 Resp: 19959

Ion Ratio Lower Upper

96 100

61 132.1 90.5 168.1

68 2.4 0.3 0.5#



#23

Bromochloromethane

Concen: 0.861 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Tgt Ion: 128 Resp: 9045

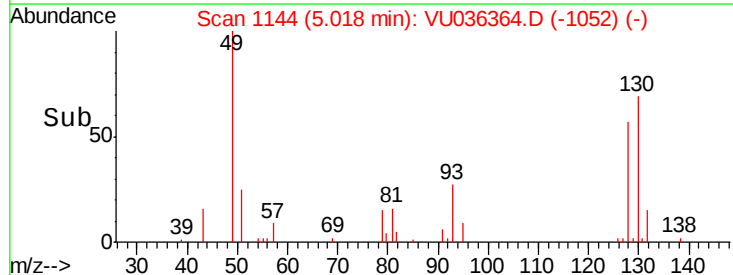
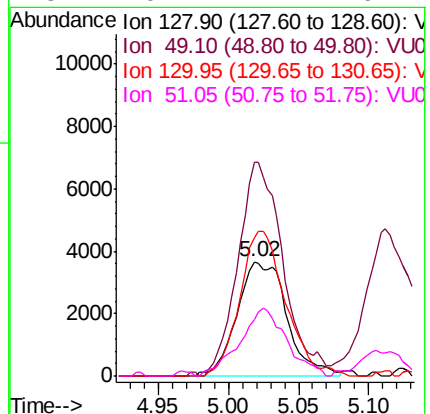
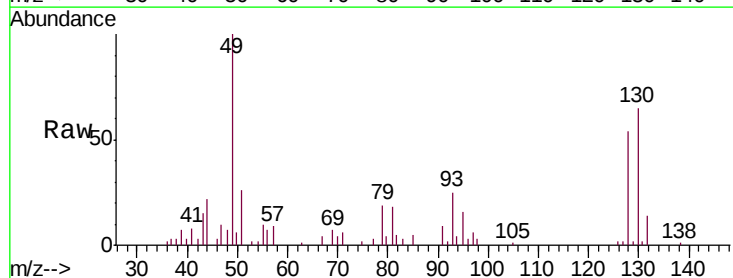
Ion Ratio Lower Upper

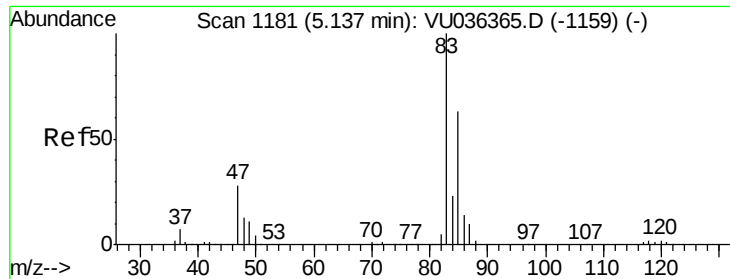
128 100

49 186.9 124.2 230.6

130 121.0 99.3 184.3

51 49.2 42.7 64.1

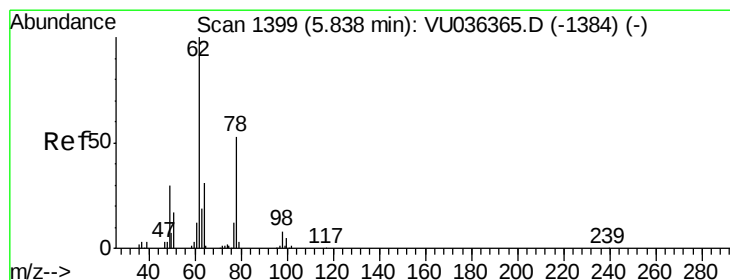
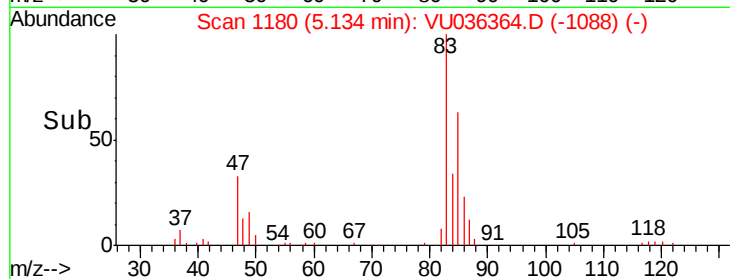
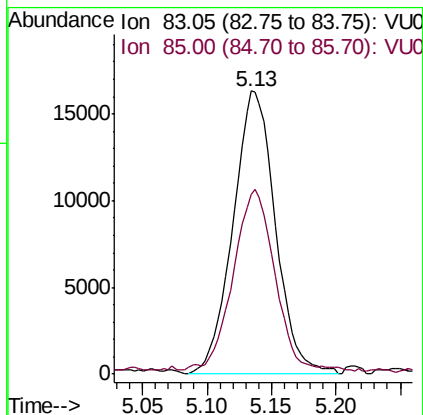
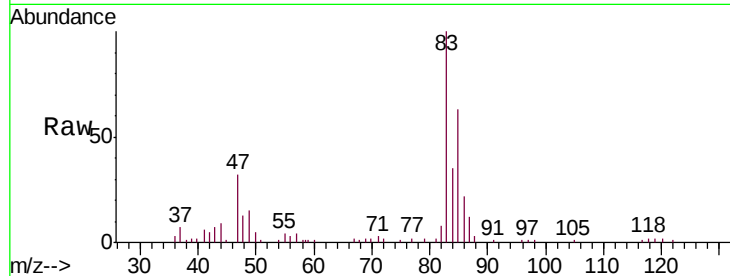




#25
Chloroform
Concen: 0.908 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

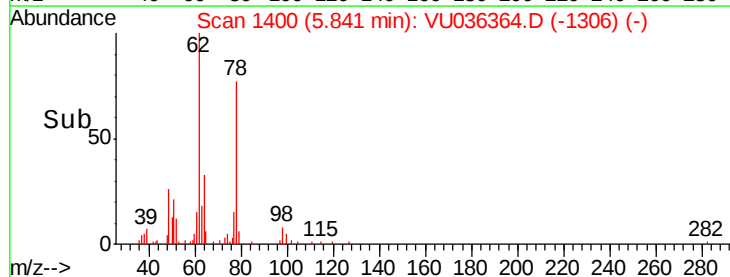
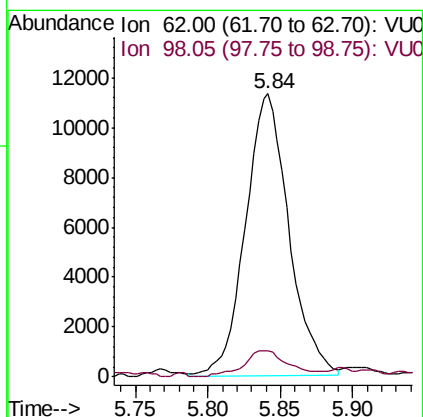
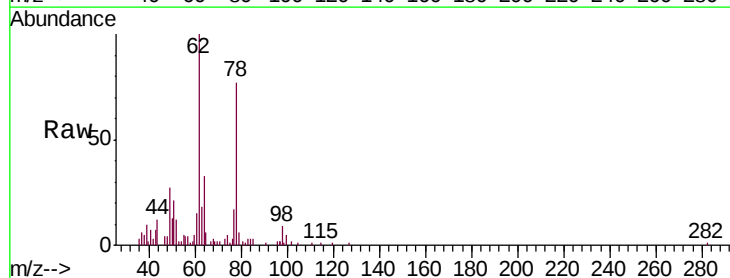
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

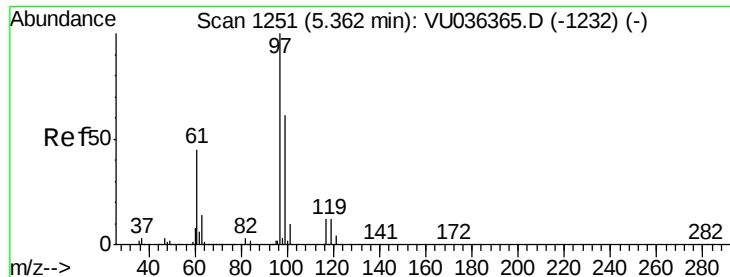
Tgt Ion: 83 Resp: 37418
Ion Ratio Lower Upper
83 100
85 63.4 44.1 81.9



#27
1,2-Dichloroethane
Concen: 0.952 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

Tgt Ion: 62 Resp: 23521
Ion Ratio Lower Upper
62 100
98 9.3 6.6 10.0

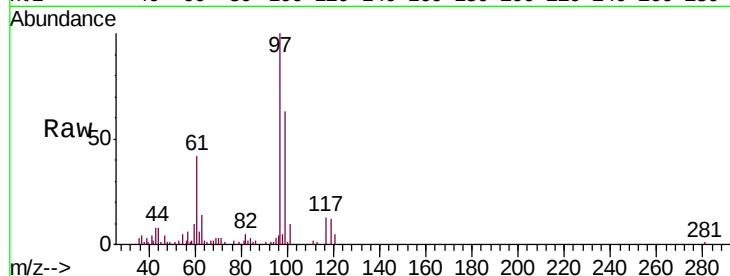




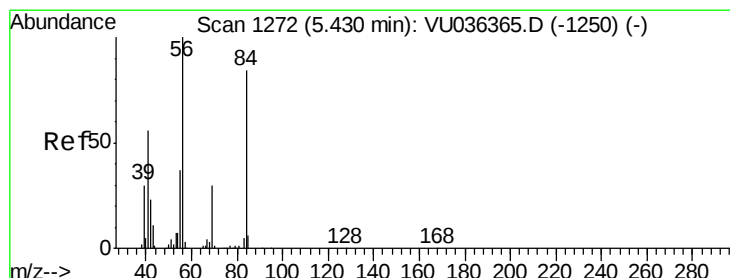
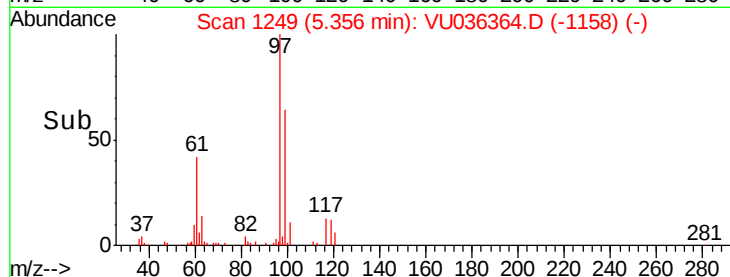
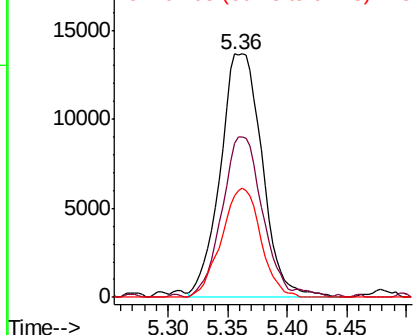
#29
 1,1,1-Trichloroethane
 Concen: 1.049 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion: 97 Resp: 33453
 Ion Ratio Lower Upper
 97 100
 99 62.9 50.1 75.1
 61 41.9 35.0 52.4

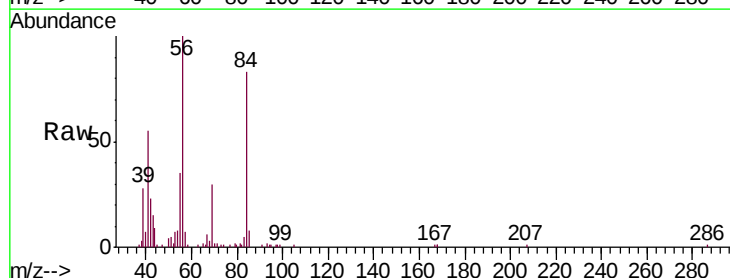


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

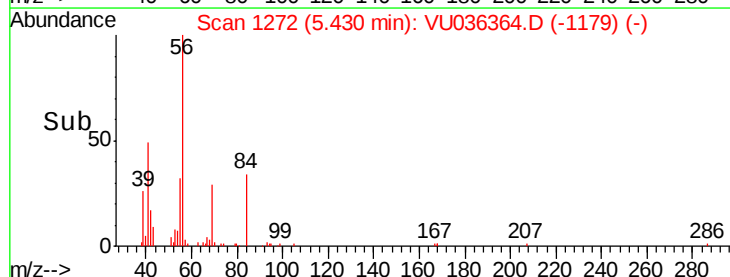
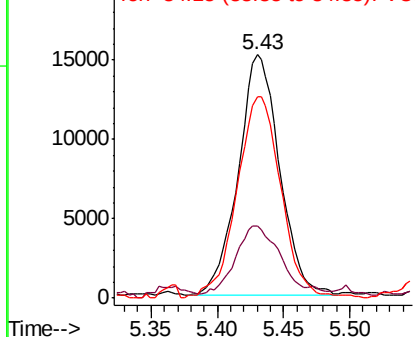


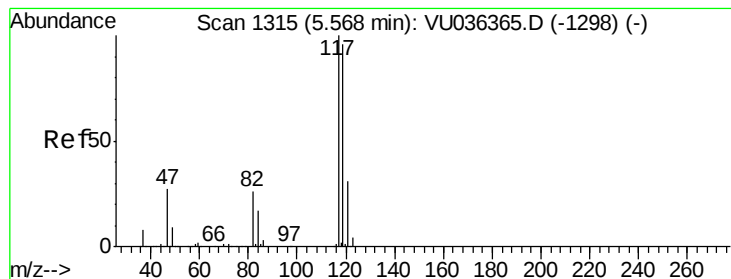
#30
 Cyclohexane
 Concen: 1.169 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

Tgt Ion: 56 Resp: 32758
 Ion Ratio Lower Upper
 56 100
 69 33.4 23.6 35.4
 84 89.2 66.0 99.0



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: 0.946 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

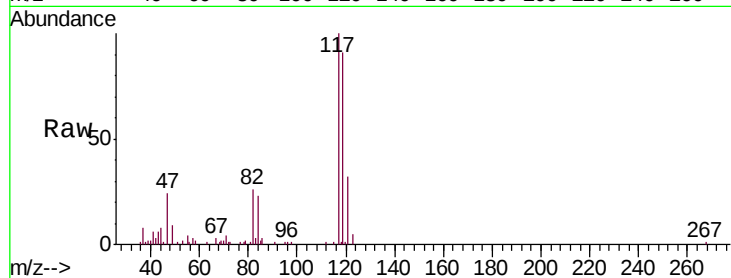
VSTD00103

Tgt Ion:117 Resp: 27111

Ion Ratio Lower Upper

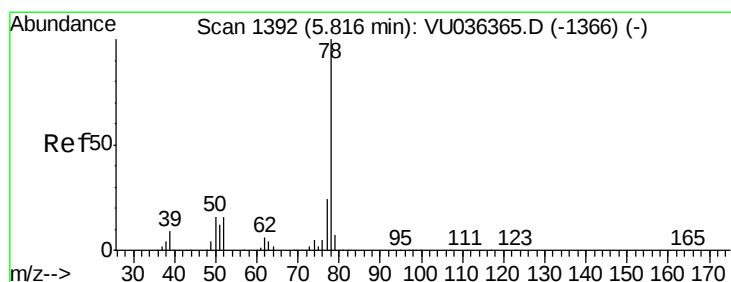
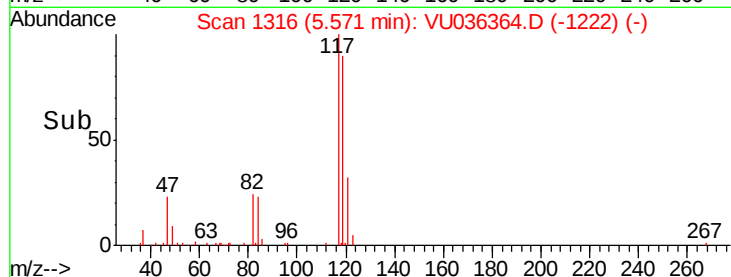
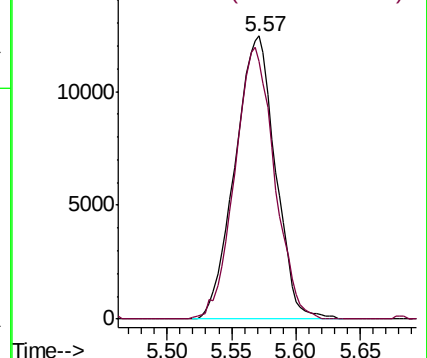
117 100

119 94.0 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.019 ug/L

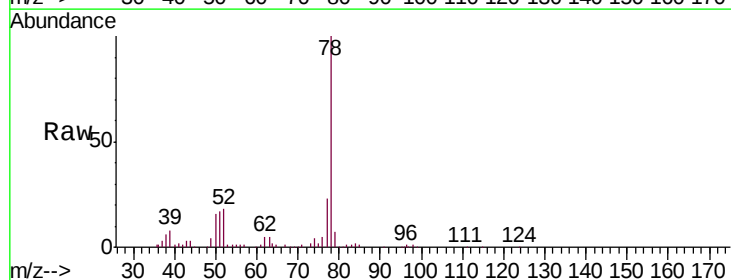
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

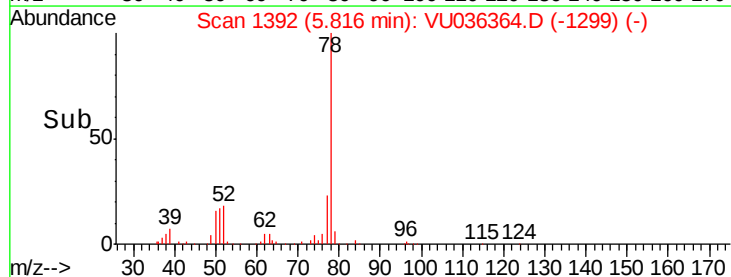
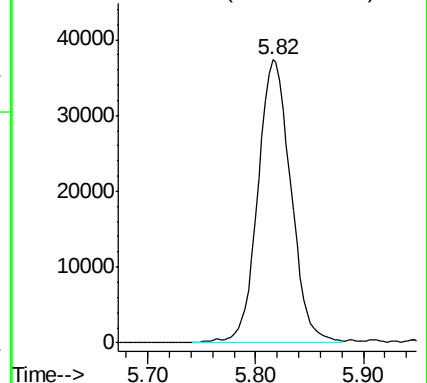
Lab File: VU036364.D

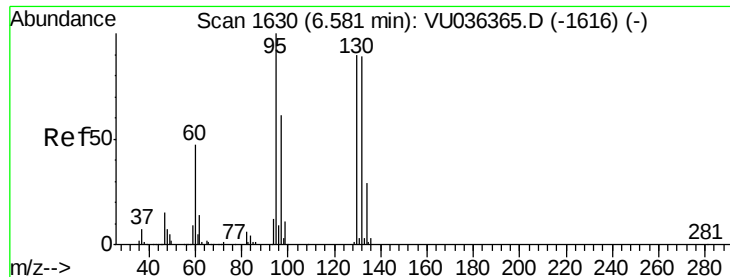
Acq: 28 Dec 2019 12:46

Tgt Ion: 78 Resp: 79439



Abundance Ion 78.10 (77.80 to 78.80): VU0

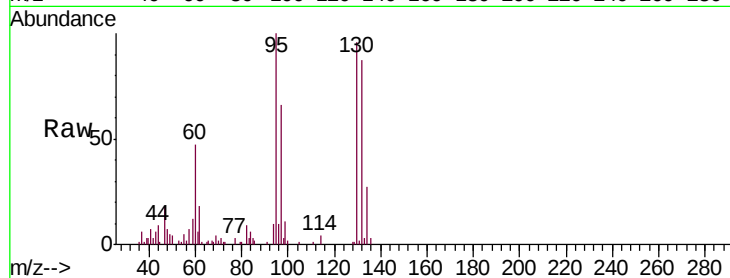




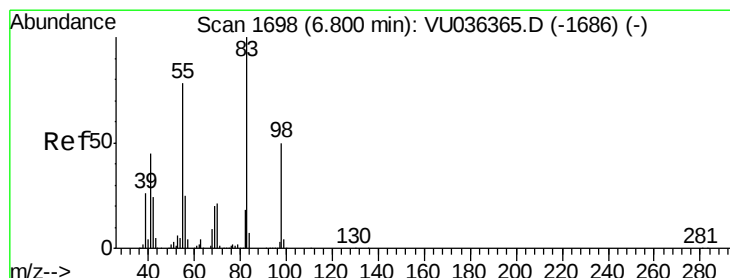
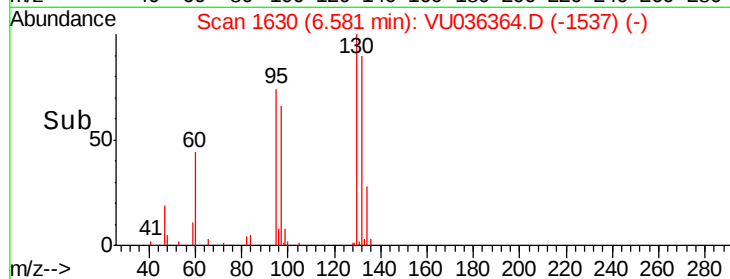
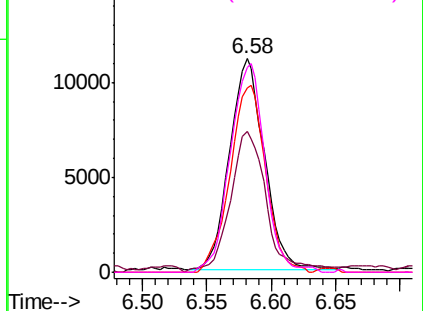
#34
 Trichloroethene
 Concen: 1.018 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion:	95	Resp:	20731
Ion	Ratio	Lower	Upper
95	100		
97	66.0	42.9	79.7
132	86.5	62.4	116.0
130	95.9	62.9	116.9

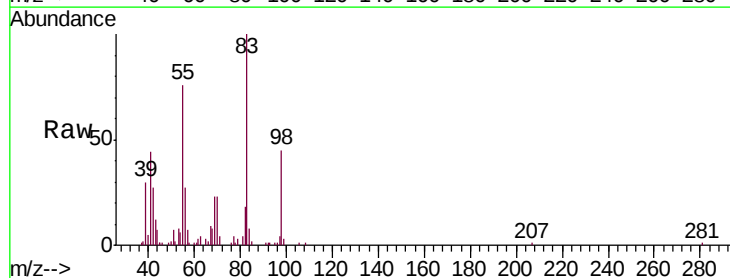


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

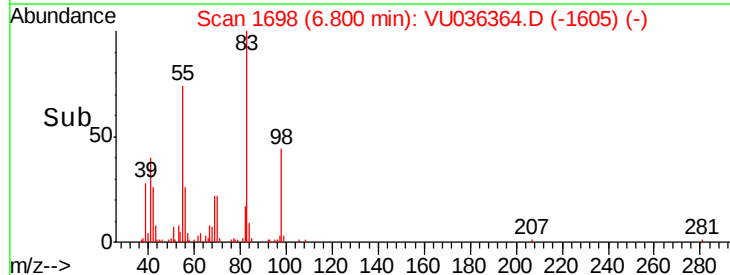
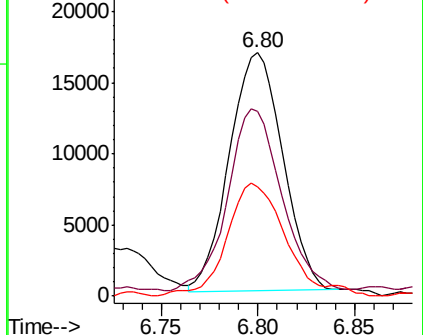


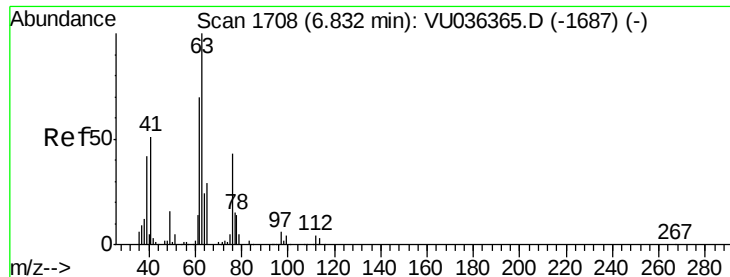
#35
 Methylcyclohexane
 Concen: 1.085 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

Tgt Ion:	83	Resp:	32280
Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.5	92.3
98	50.5	36.9	55.3



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

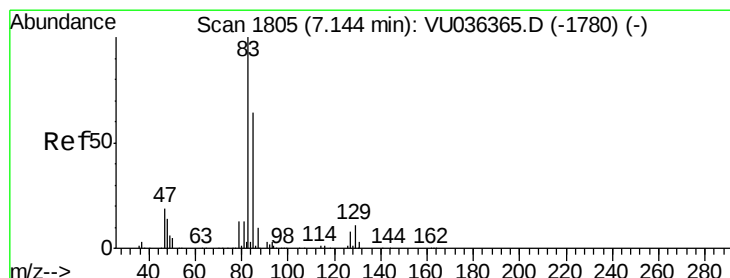
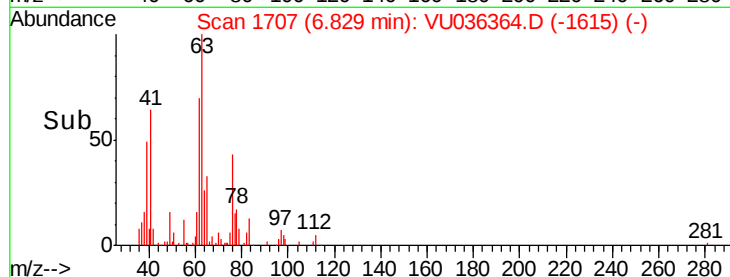
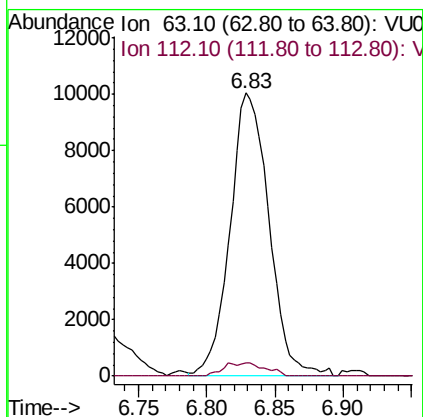
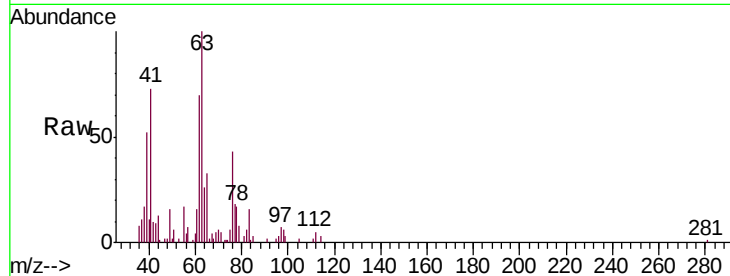




#37
 1,2-Dichloropropane
 Concen: 0.988 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

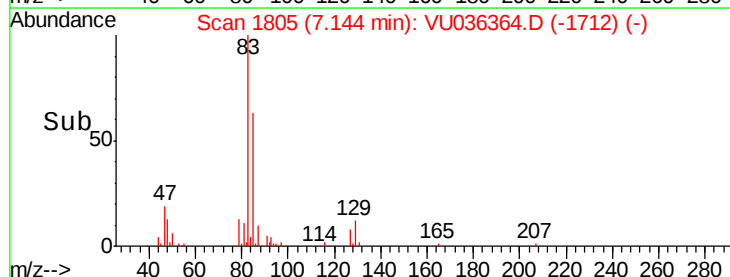
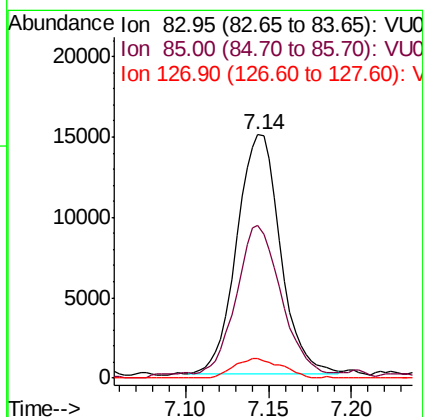
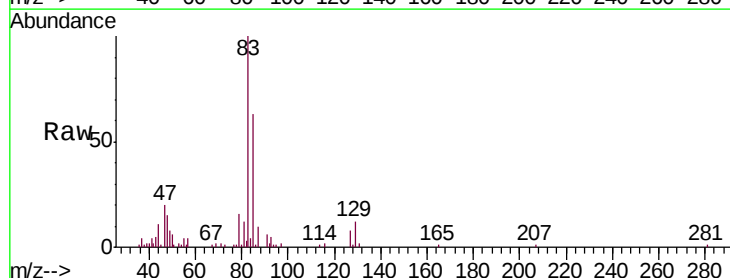
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

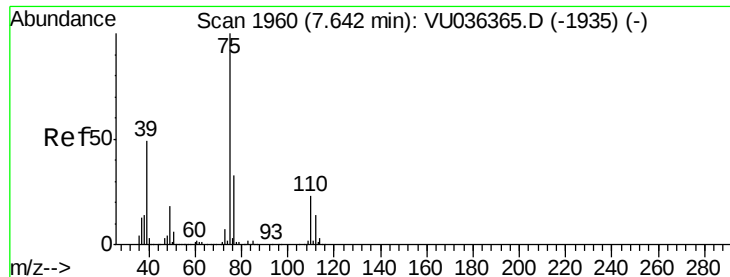
Tgt Ion: 63 Resp: 19970
 Ion Ratio Lower Upper
 63 100
 112 3.1 3.0 4.4



#38
 Bromodichloromethane
 Concen: 1.031 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

Tgt Ion: 83 Resp: 27188
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.0 83.6
 127 7.8 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 1.114 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

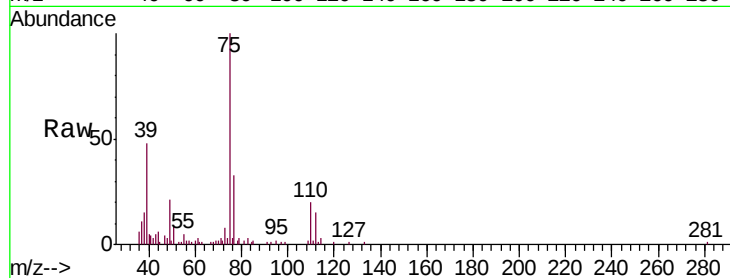
VSTD00103

Tgt Ion: 75 Resp: 31696

Ion Ratio Lower Upper

75 100

77 33.5 23.2 43.2



Abundance Ion 75.05 (74.75 to 75.75): VU036365.D (-1935) (-)

Ion 77.05 (76.75 to 77.75): VU036365.D (-1935) (-)

7.64

15000

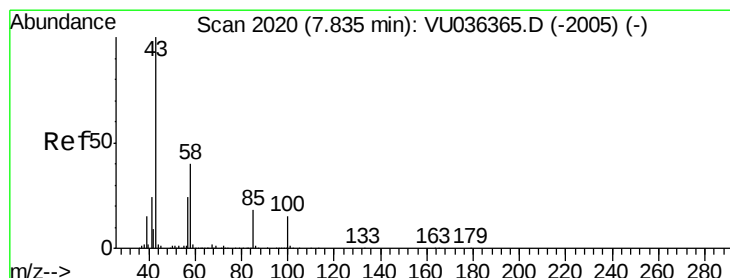
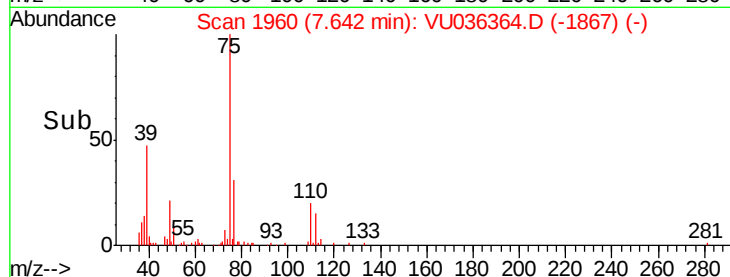
10000

5000

0

7.60 7.65 7.70 7.75

Time-->



#40

4-Methyl-2-pentanone

Concen: 12.964 ug/L

RT: 7.84 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

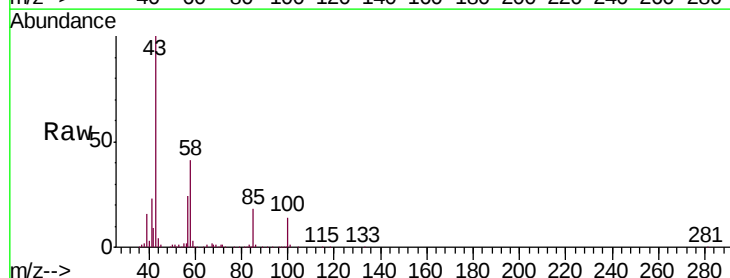
Tgt Ion: 43 Resp: 144073

Ion Ratio Lower Upper

43 100

58 38.1 31.8 47.6

100 14.3 11.5 17.3



Abundance Ion 43.05 (42.75 to 43.75): VU036365.D (-2005) (-)

Ion 58.05 (57.75 to 58.75): VU036365.D (-2005) (-)

Ion 100.15 (99.85 to 100.85): VU036365.D (-2005) (-)

7.84

80000

60000

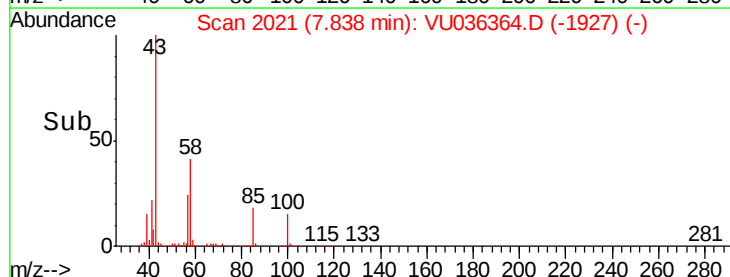
40000

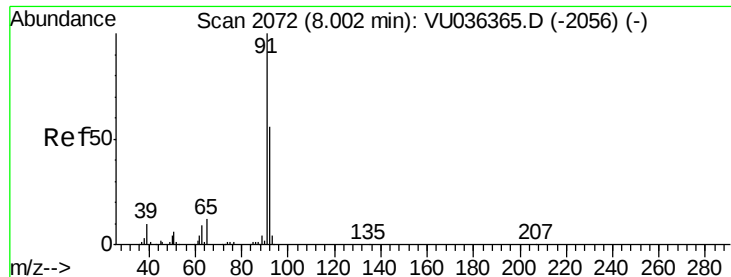
20000

0

7.70 7.80 7.90 8.00

Time-->





#42

Toluene

Concen: 1.024 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

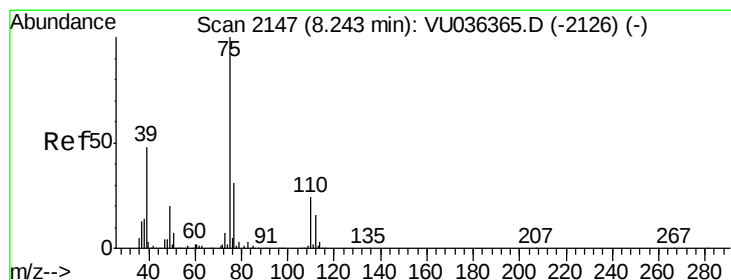
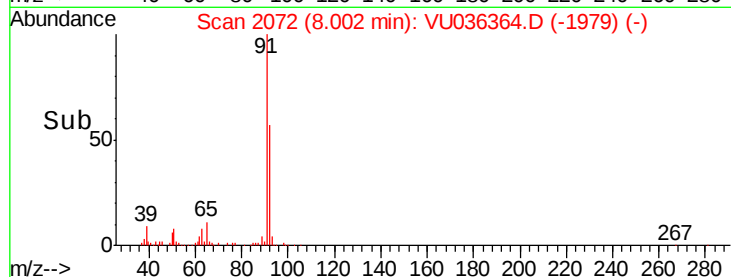
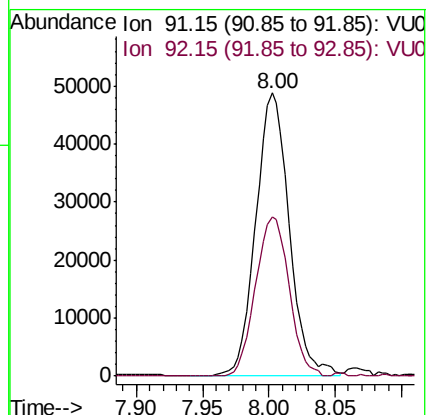
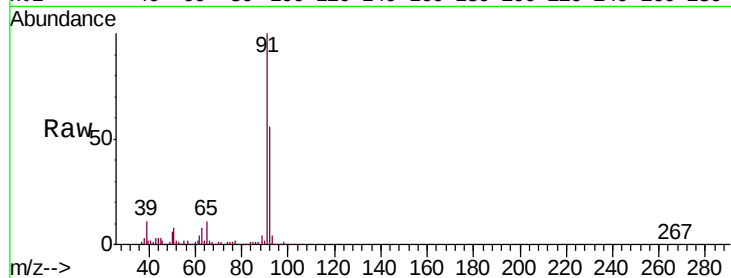
VSTD00103

Tgt Ion: 91 Resp: 85866

Ion Ratio Lower Upper

91 100

92 56.4 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 1.210 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU036364.D

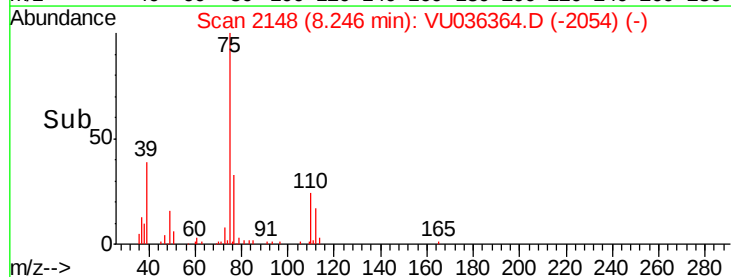
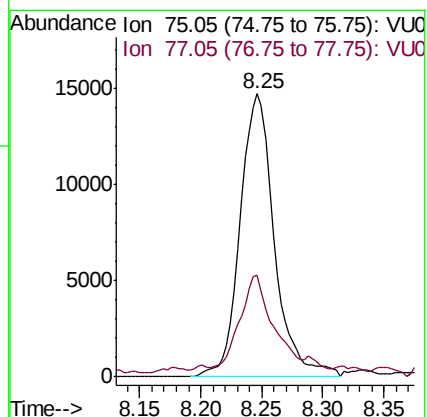
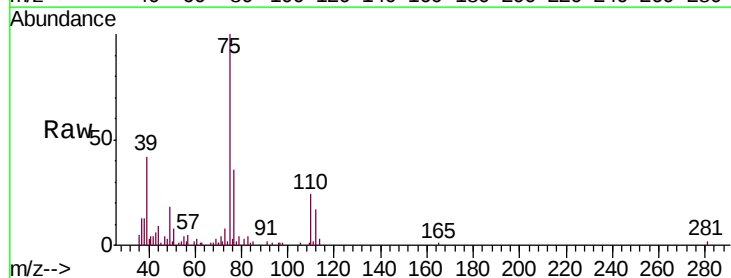
Acq: 28 Dec 2019 12:46

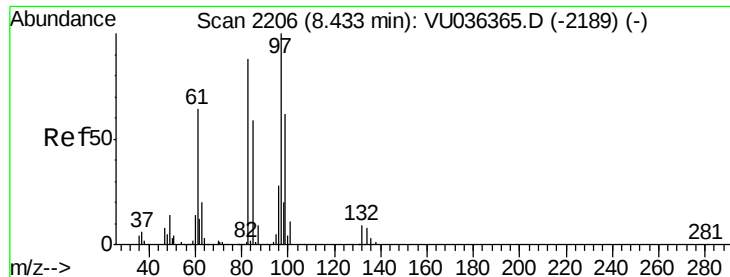
Tgt Ion: 75 Resp: 28510

Ion Ratio Lower Upper

75 100

77 35.8 22.0 41.0

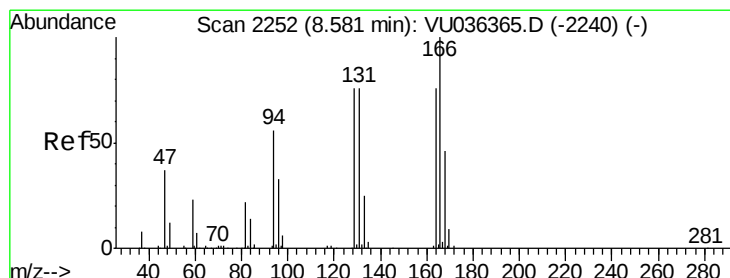
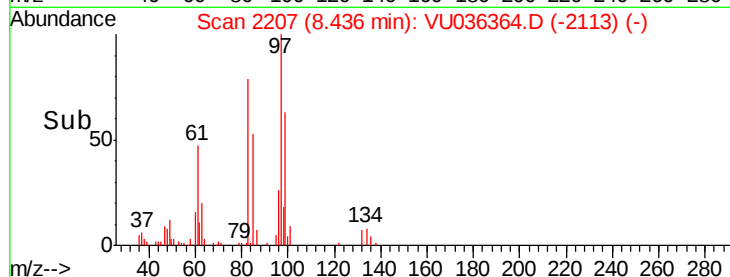
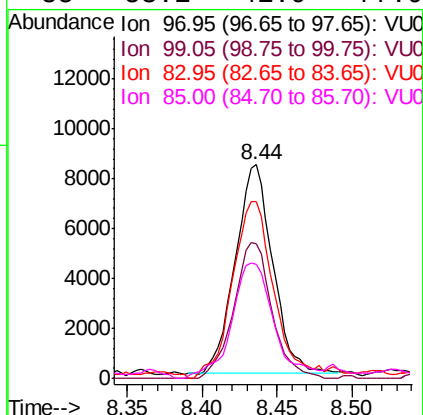
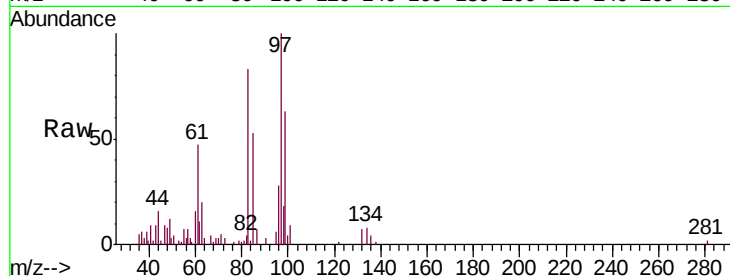




#45
 1,1,2-Trichloroethane
 Concen: 0.970 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

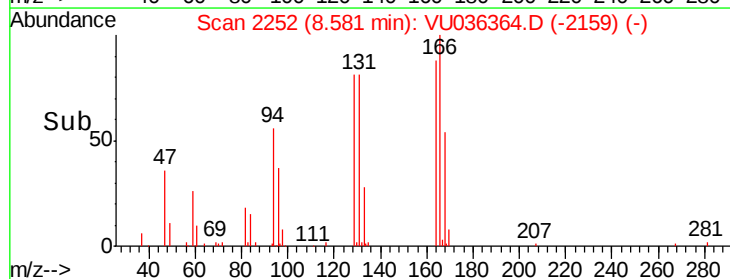
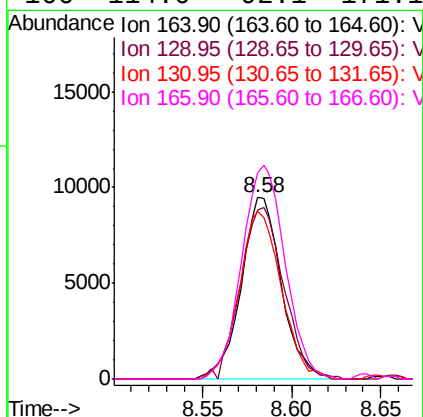
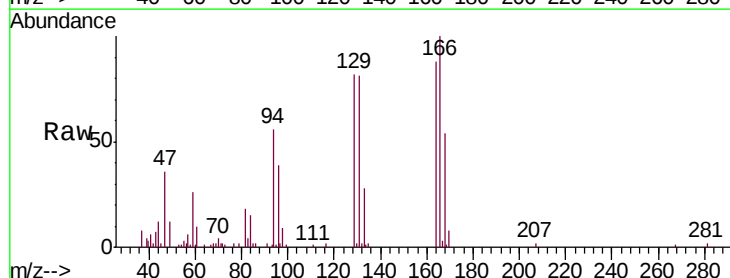
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

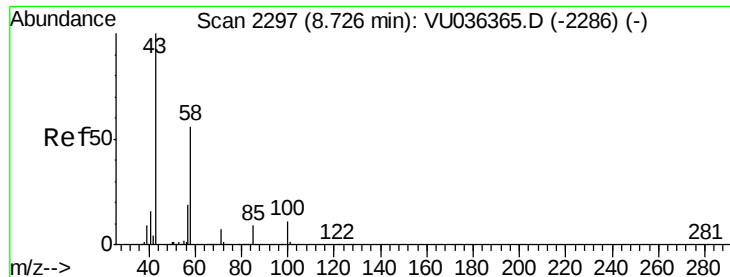
Tgt Ion:	97	Resp:	14564
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.3	80.5
83	82.8	62.2	115.6
85	53.1	41.9	77.9



#47
 Tetrachloroethene
 Concen: 0.840 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

Tgt Ion:	164	Resp:	14879
Ion	Ratio	Lower	Upper
164	100		
129	93.0	70.3	130.5
131	92.6	70.4	130.8
166	114.0	92.1	171.1

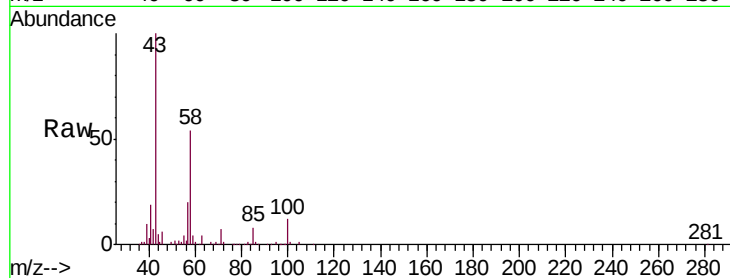




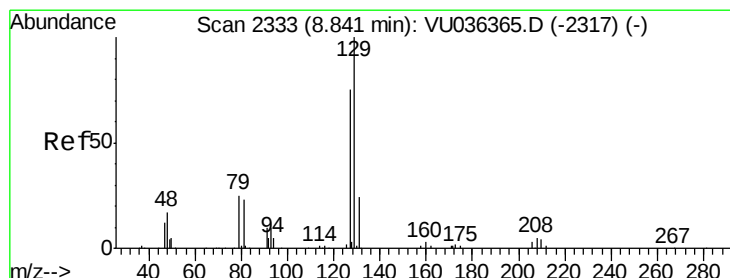
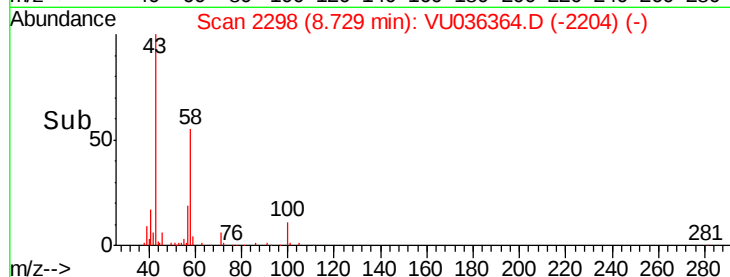
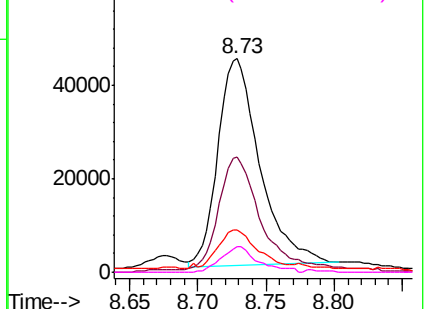
#48
2-Hexanone
Concen: 11.581 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion: 43 Resp: 94471
Ion Ratio Lower Upper
43 100
58 55.9 42.7 64.1
57 16.7 14.6 22.0
100 10.9 9.0 13.6

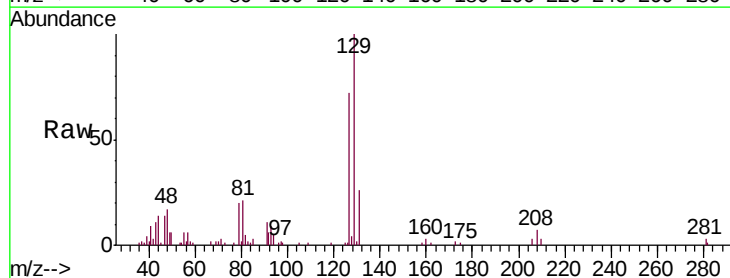


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

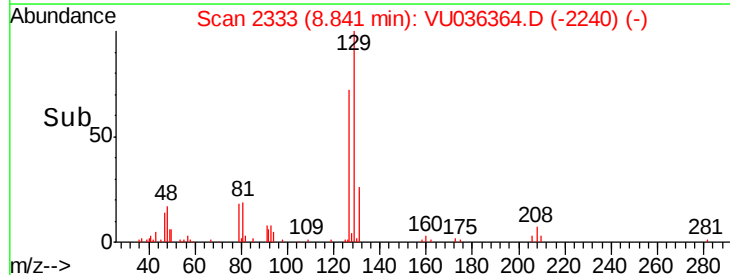
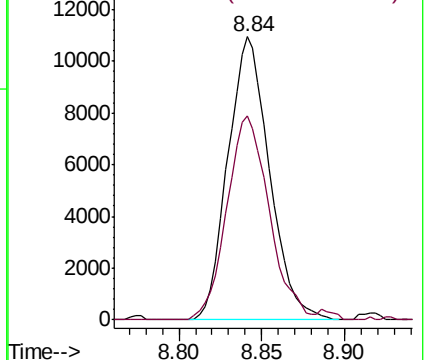


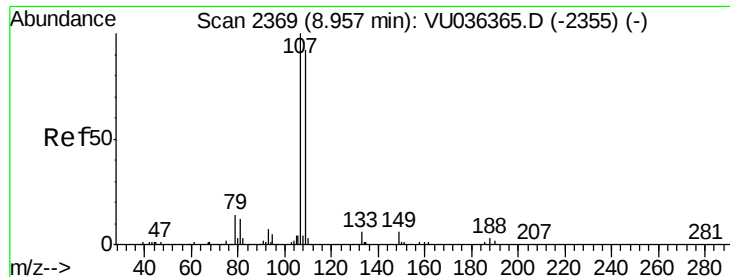
#49
Dibromochloromethane
Concen: 1.025 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

Tgt Ion: 129 Resp: 19026
Ion Ratio Lower Upper
129 100
127 72.2 52.7 97.9



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

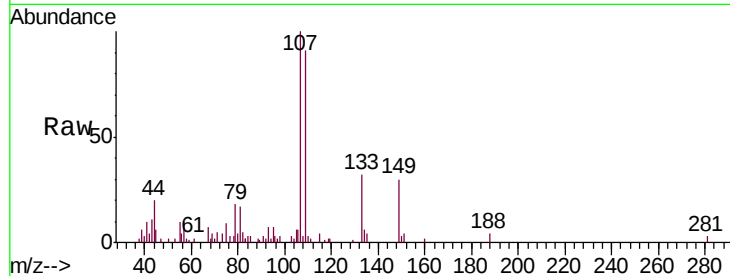




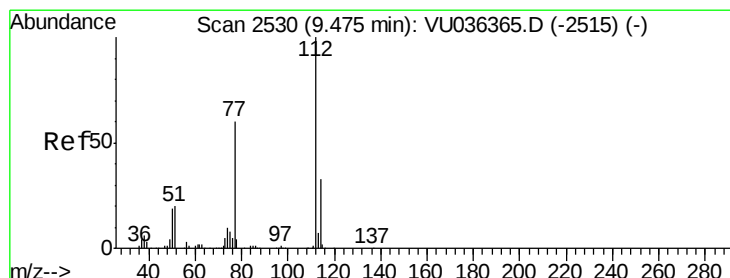
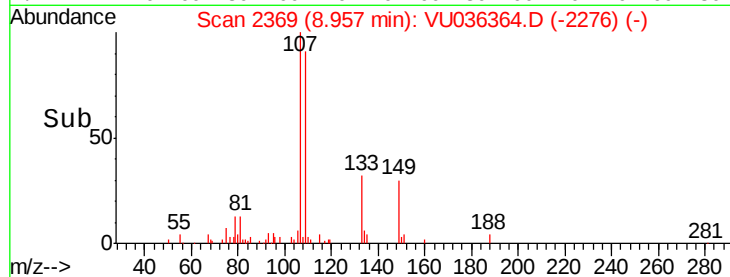
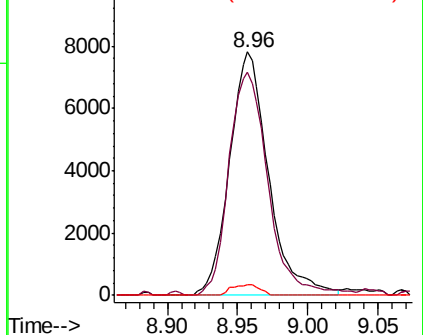
#50
1,2-Dibromoethane
Concen: 1.048 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion:107 Resp: 15134
Ion Ratio Lower Upper
107 100
109 91.5 64.3 119.5
188 4.1 2.2 3.2#

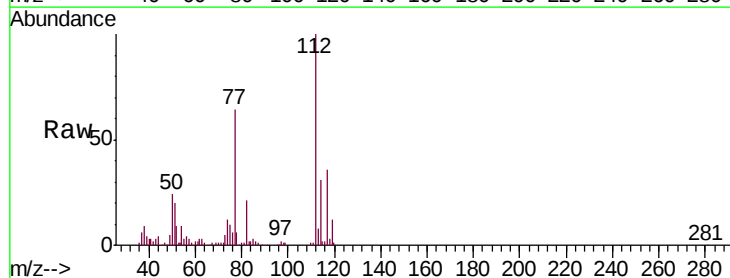


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

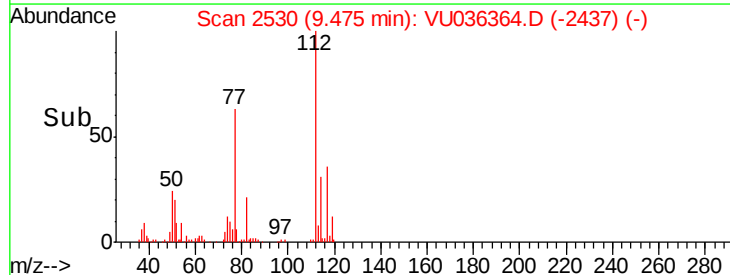
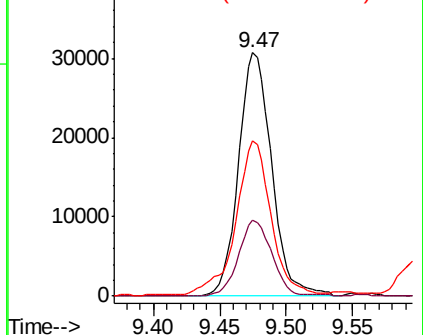


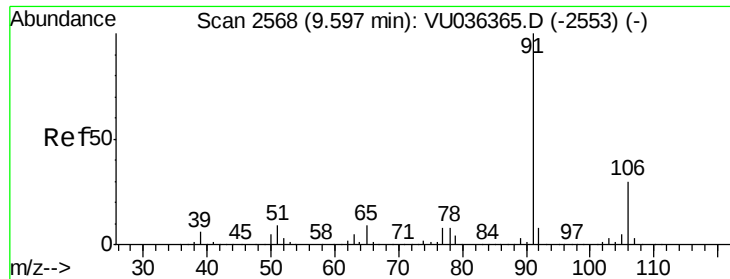
#51
Chlorobenzene
Concen: 0.966 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

Tgt Ion:112 Resp: 53516
Ion Ratio Lower Upper
112 100
114 31.0 22.7 42.3
77 63.9 47.8 71.8



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): VUO





#52

Ethylbenzene

Concen: 1.098 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

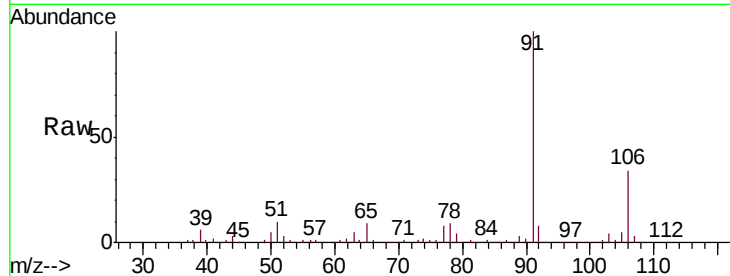
VSTD00103

Tgt Ion: 91 Resp: 95358

Ion Ratio Lower Upper

91 100

106 34.2 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU036364.D (-2553) (-)

Ion 106.15 (105.85 to 106.85): VU036364.D (-2475) (-)

9.60

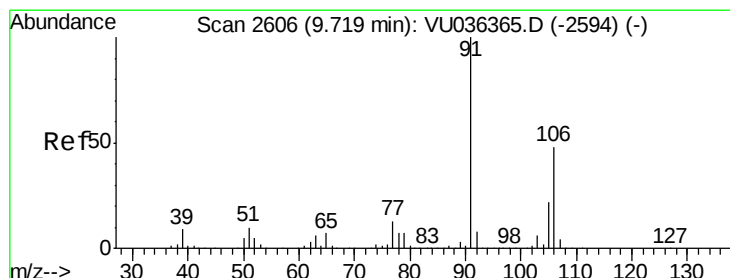
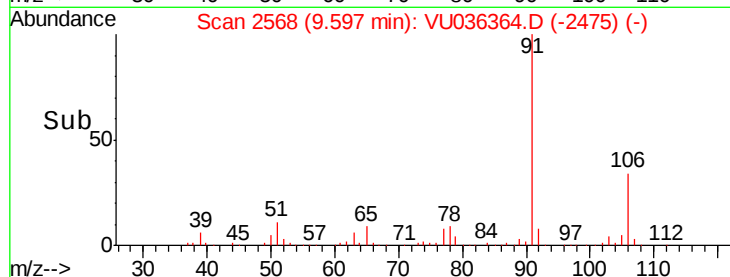
60000

40000

20000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#53

m,p-Xylene

Concen: 1.079 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036364.D

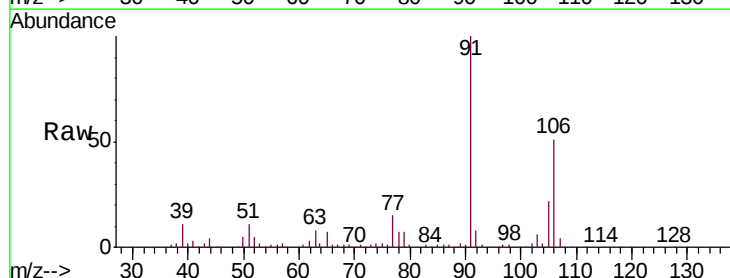
Acq: 28 Dec 2019 12:46

Tgt Ion: 106 Resp: 35627

Ion Ratio Lower Upper

106 100

91 194.6 146.5 272.1



Abundance Ion 106.15 (105.85 to 106.85): VU036364.D (-2513) (-)

Ion 91.15 (90.85 to 91.85): VU036364.D (-2594) (-)

9.72

50000

40000

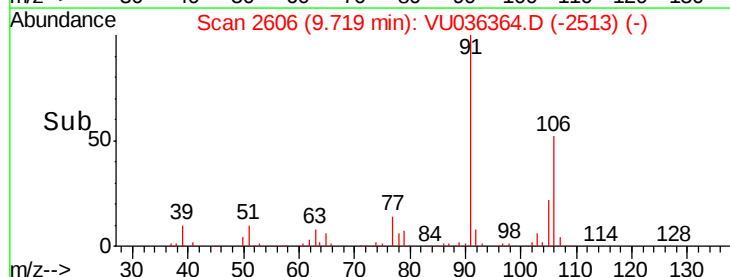
30000

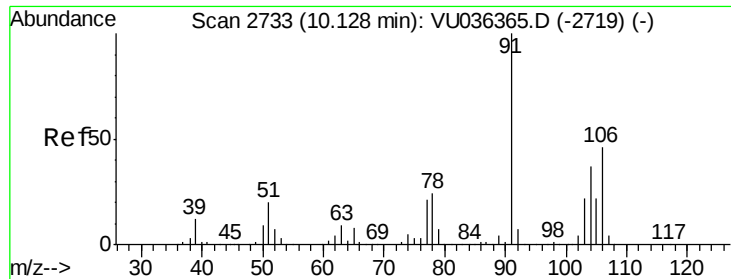
20000

10000

0

Time--> 9.65 9.70 9.75

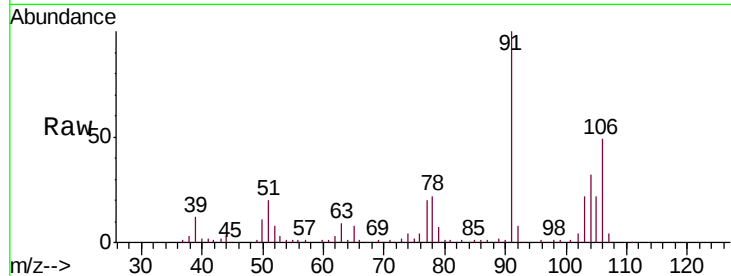




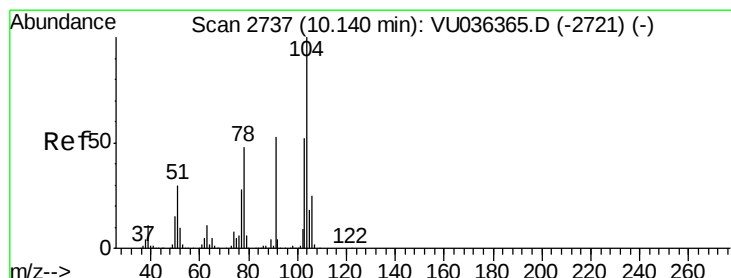
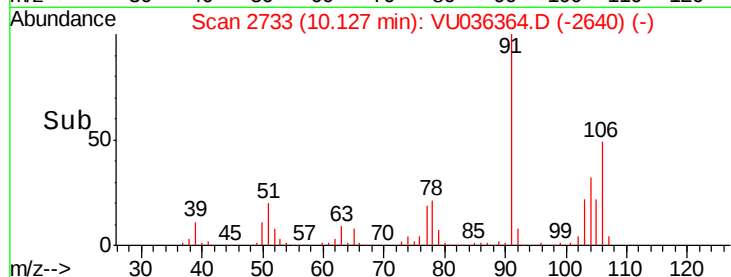
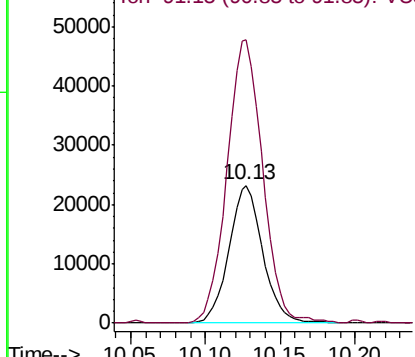
#54
o-Xylene
Concen: 1.135 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion:106 Resp: 36478
Ion Ratio Lower Upper
106 100
91 205.1 151.5 281.5

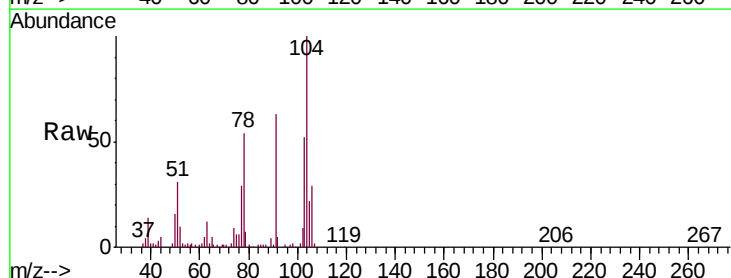


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

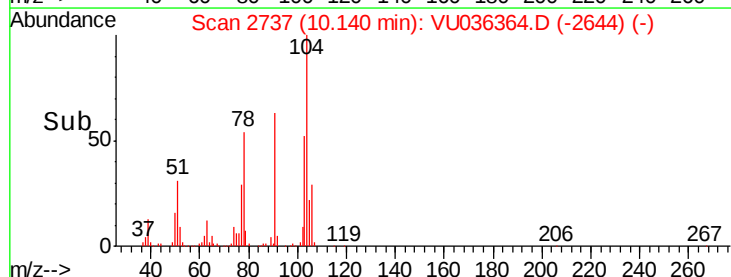
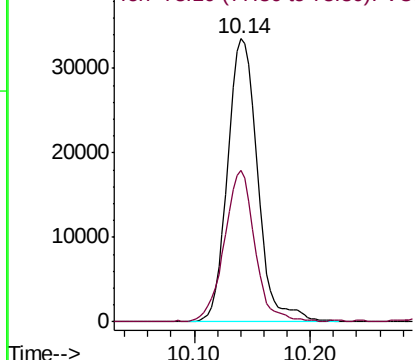


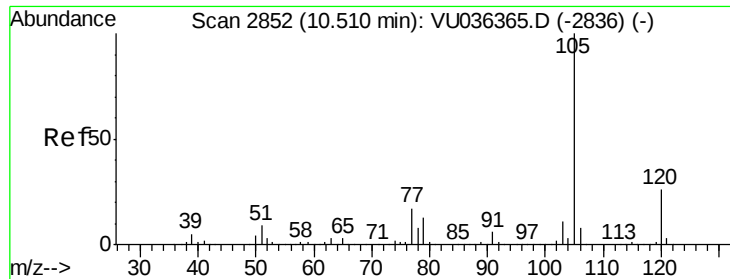
#55
Styrene
Concen: 1.068 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036364.D
Acq: 28 Dec 2019 12:46

Tgt Ion:104 Resp: 59929
Ion Ratio Lower Upper
104 100
78 53.5 33.5 62.1



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





#56

Isopropylbenzene

Concen: 1.137 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

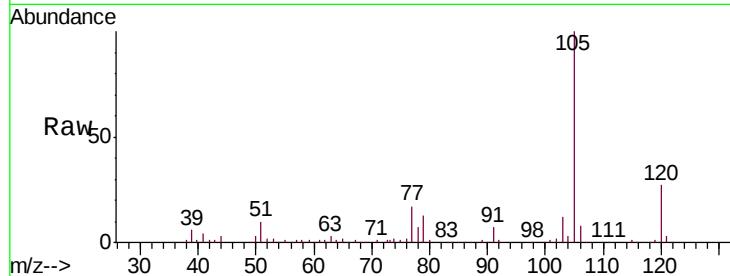
Tgt Ion: 105 Resp: 94485

Ion Ratio Lower Upper

105 100

120 26.6 21.1 31.7

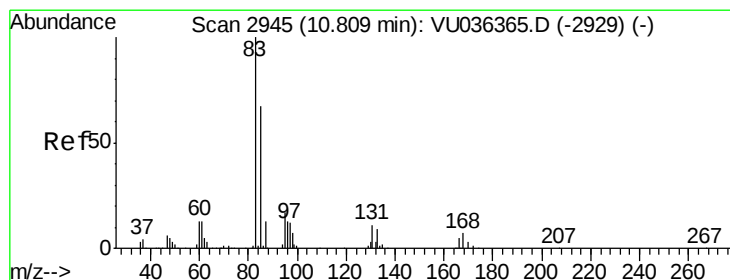
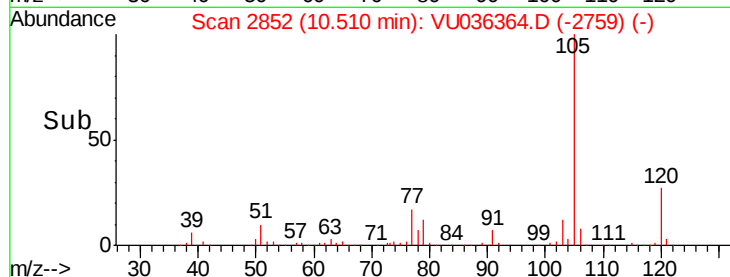
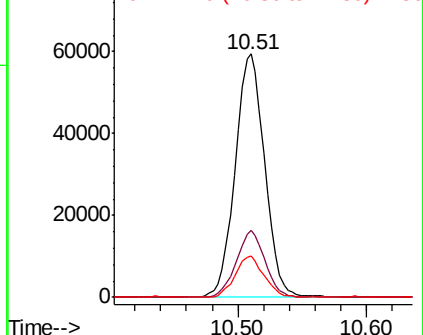
77 16.7 13.2 19.8



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: 1.027 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

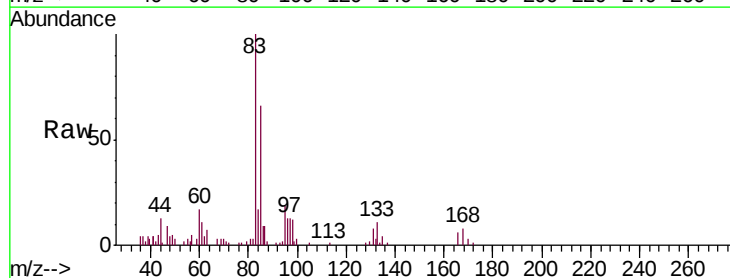
Tgt Ion: 83 Resp: 19696

Ion Ratio Lower Upper

83 100

85 65.7 47.5 88.1

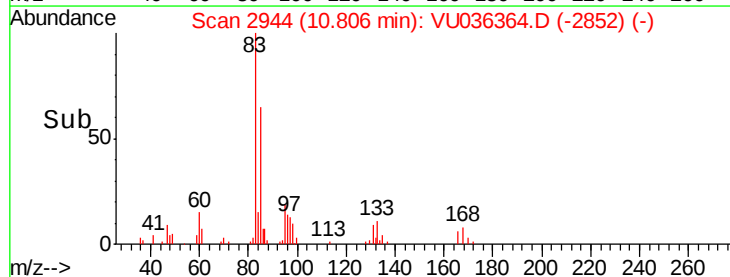
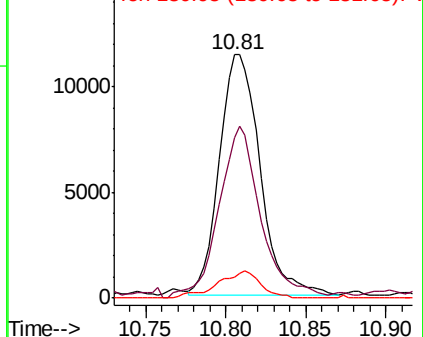
131 8.5 8.8 13.2#

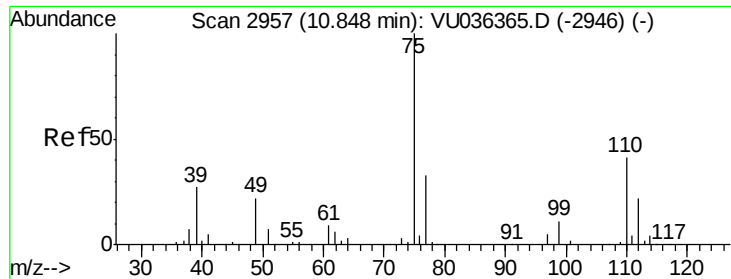


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.022 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

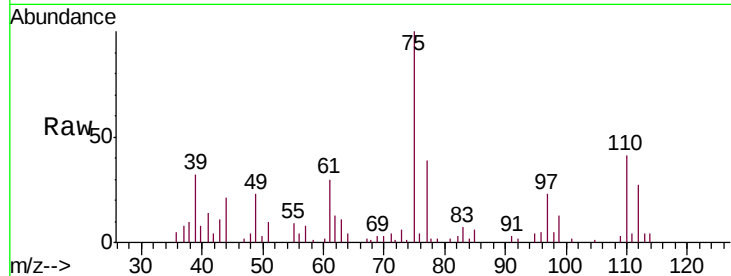
VSTD00103

Tgt Ion: 75 Resp: 13639

Ion Ratio Lower Upper

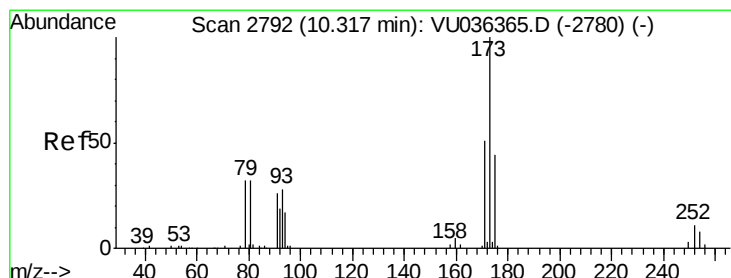
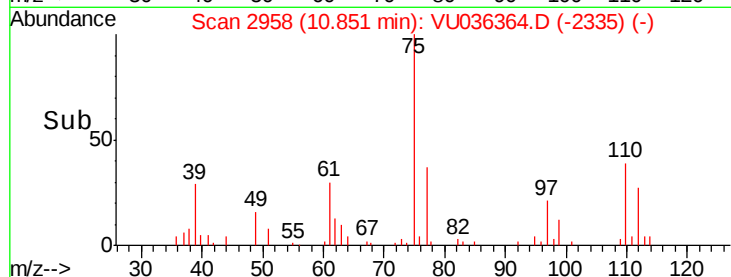
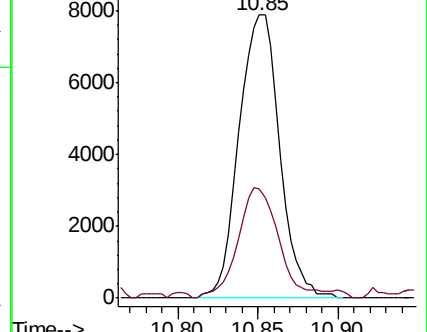
75 100

77 39.3 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036365.D (-2946) (-)

Ion 77.00 (76.70 to 77.70): VU036365.D (-2946) (-)



#61

Bromoform

Concen: 1.057 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

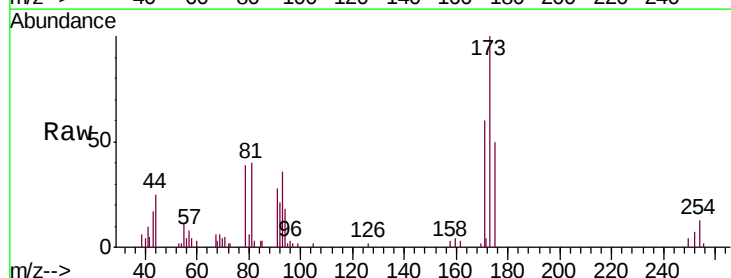
Tgt Ion: 173 Resp: 11000

Ion Ratio Lower Upper

173 100

175 49.4 37.0 55.4

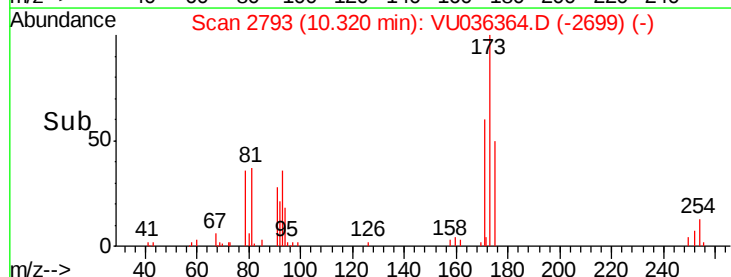
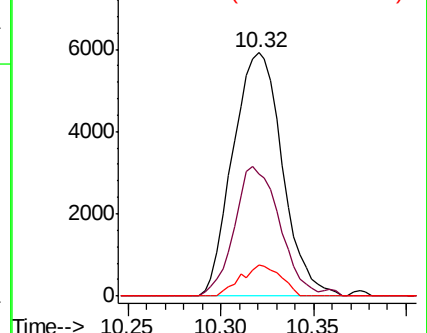
254 10.3 7.0 10.6

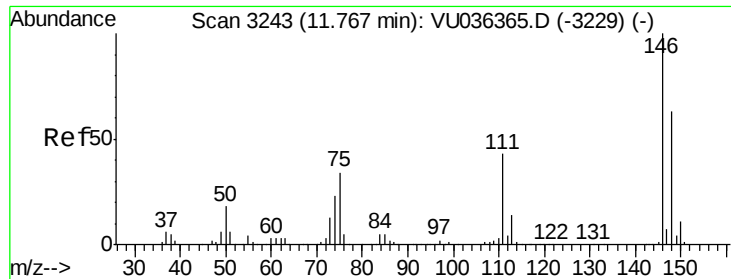


Abundance Ion 172.90 (172.60 to 173.60): VU036365.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU036365.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU036365.D (-2780) (-)

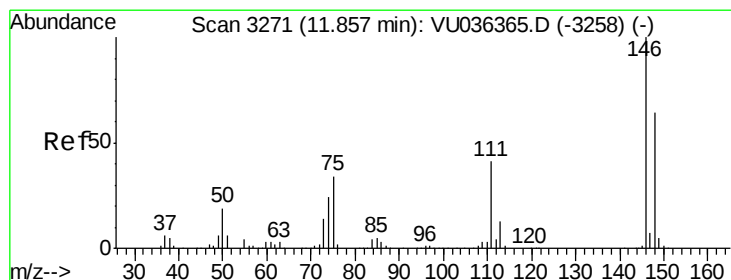
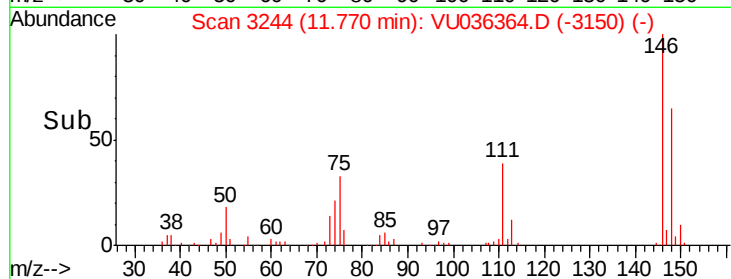
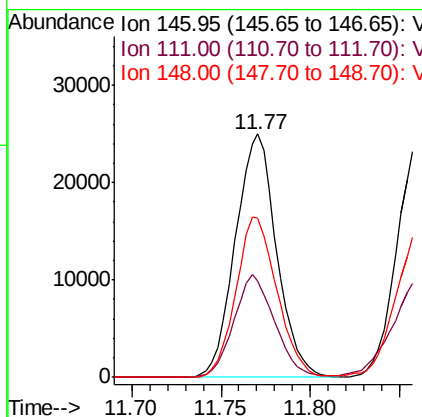
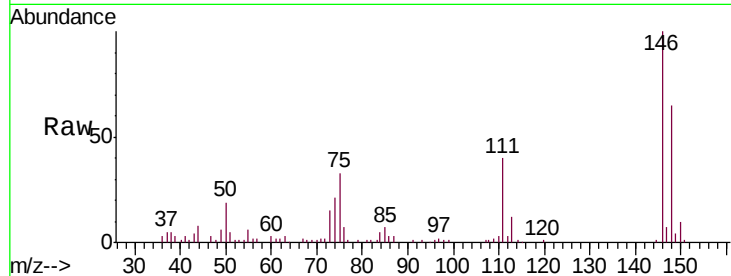




#62
 1,3-Dichlorobenzene
 Concen: 1.012 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

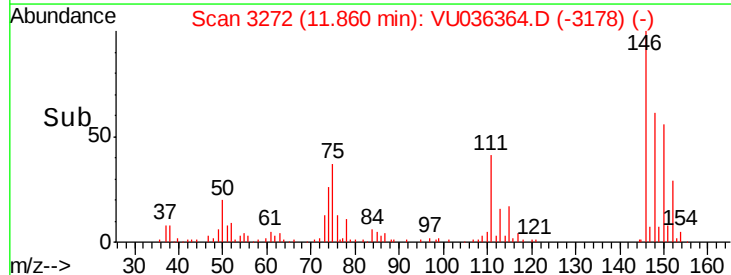
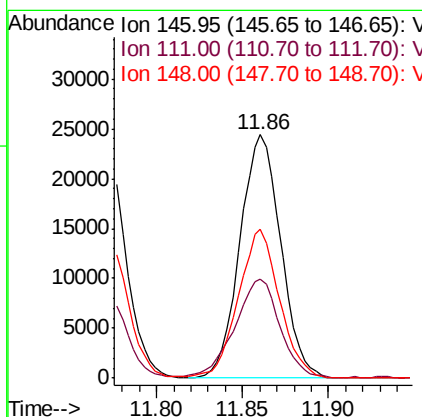
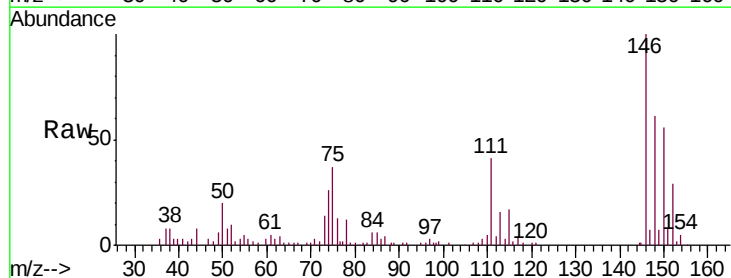
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

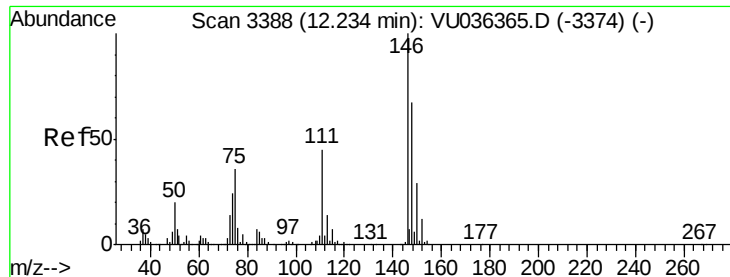
Tgt Ion:146 Resp: 40275
 Ion Ratio Lower Upper
 146 100
 111 39.8 30.2 56.0
 148 65.3 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 1.017 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

Tgt Ion:146 Resp: 40145
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.6 53.0
 148 61.0 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 1.024 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

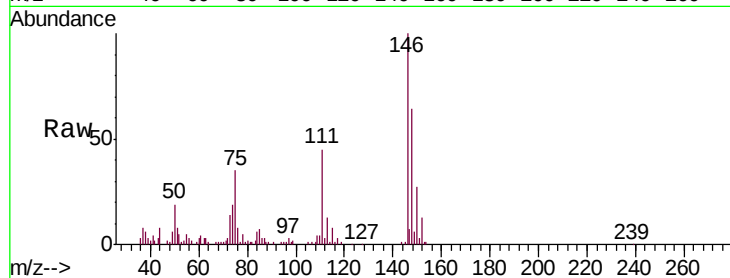
Tgt Ion:146 Resp: 38770

Ion Ratio Lower Upper

146 100

111 45.2 36.4 54.6

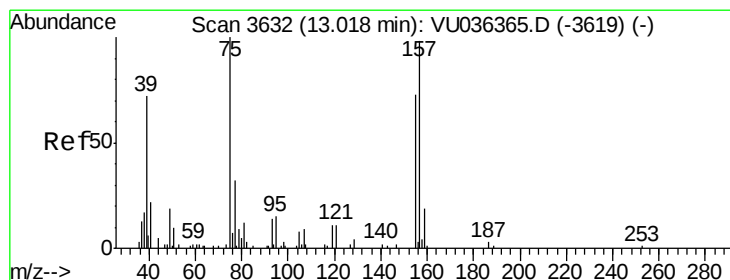
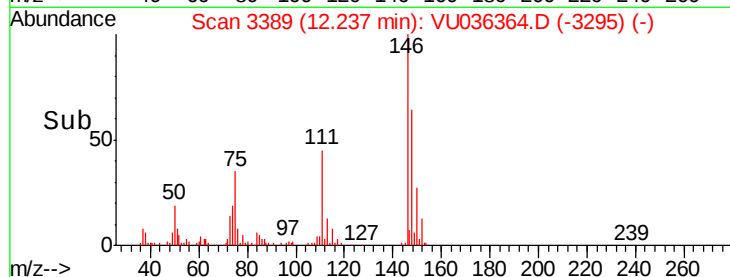
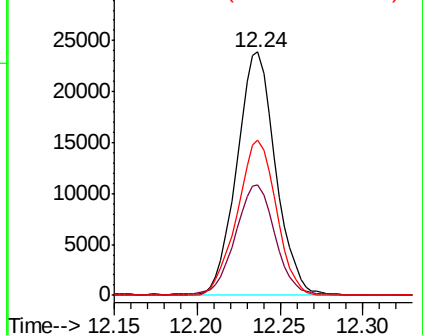
148 63.9 53.4 80.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.525 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.01 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

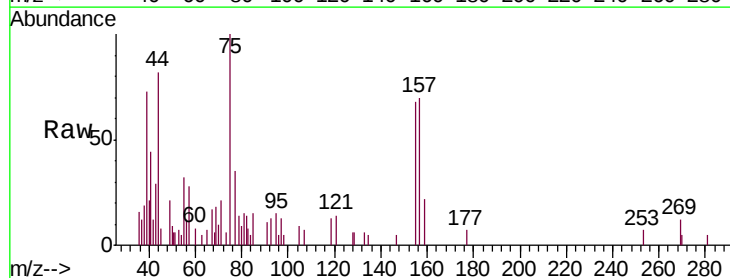
Tgt Ion: 75 Resp: 4177

Ion Ratio Lower Upper

75 100

155 68.2 58.6 88.0

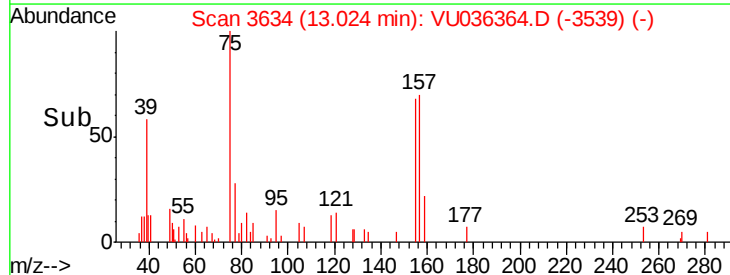
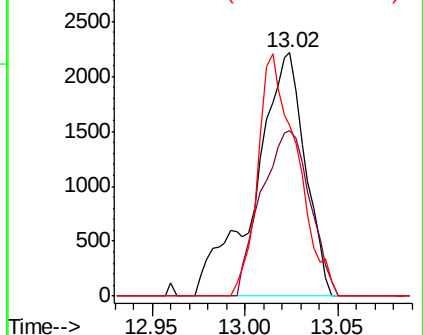
157 70.0 78.7 118.1#

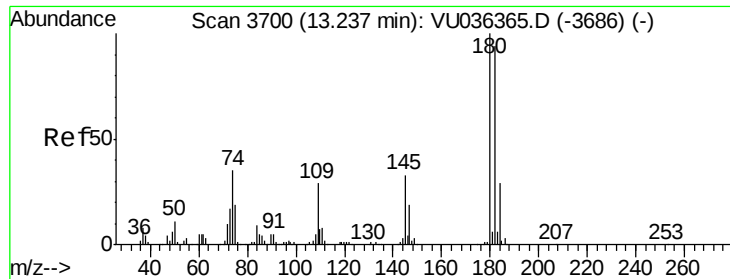


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

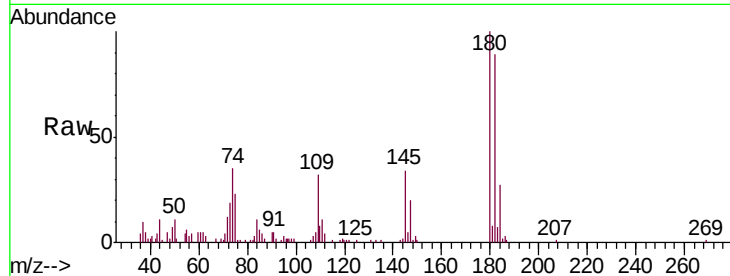




#67
 1,3,5-Trichlorobenzene
 Concen: 0.942 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.0	75.2	112.8
184	28.3	23.3	34.9
145	33.9	25.6	38.4



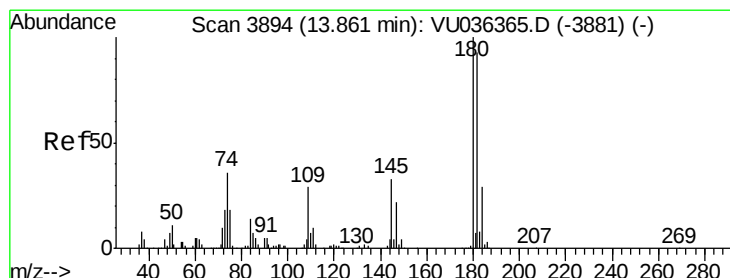
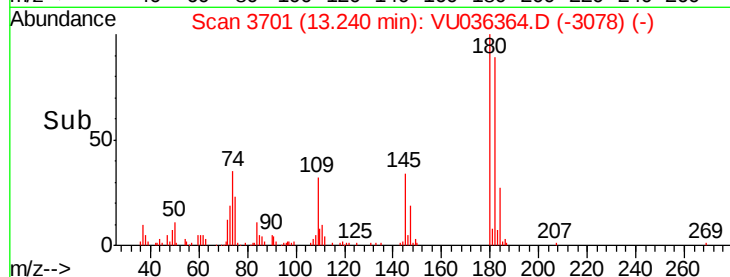
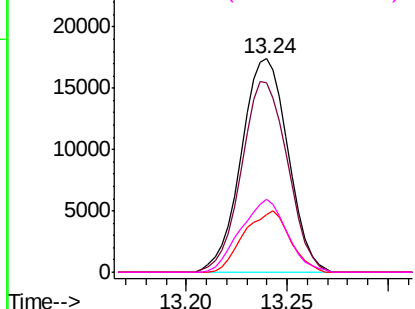
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

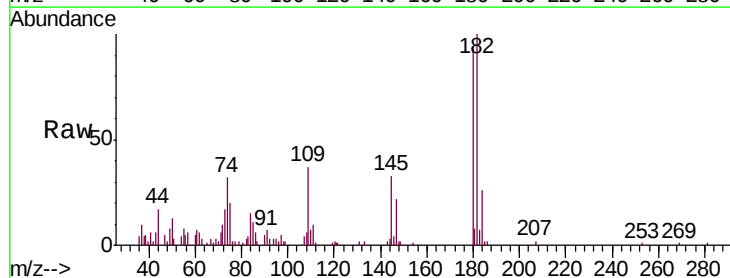
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.885 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036364.D
 Acq: 28 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.7	75.5	113.3
145	35.7	26.2	39.2

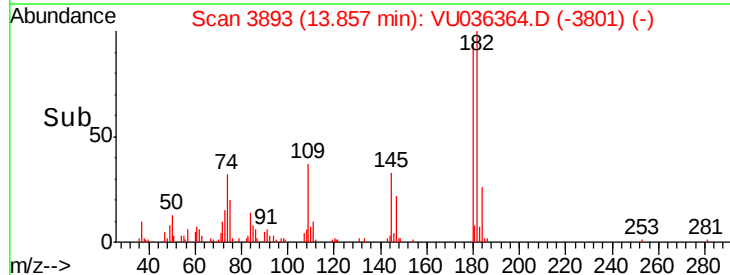
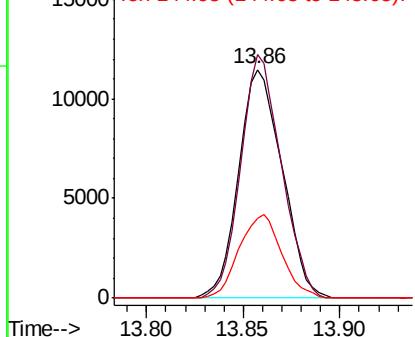


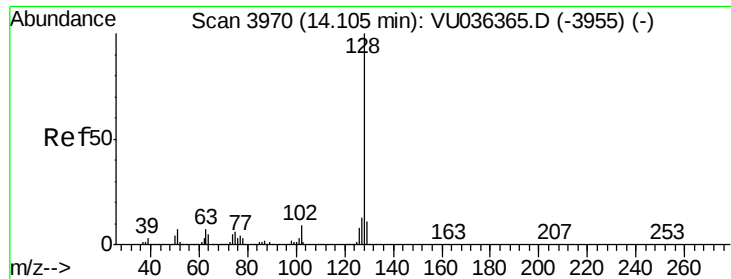
Abundance

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: 0.952 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

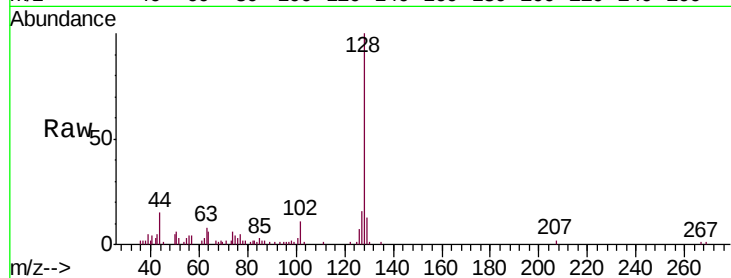
Tgt Ion:128 Resp: 26559

Ion Ratio Lower Upper

128 100

129 13.7 8.6 13.0#

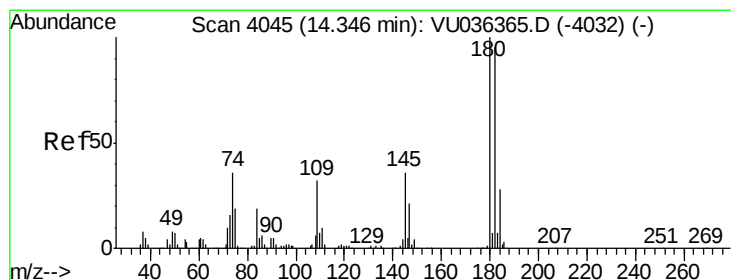
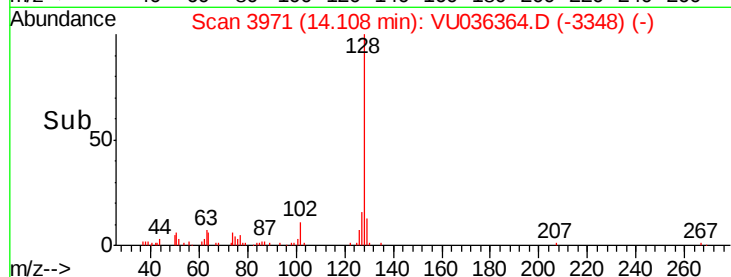
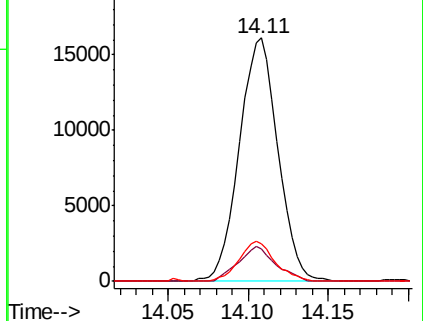
127 15.3 10.6 15.8



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: 0.956 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036364.D

Acq: 28 Dec 2019 12:46

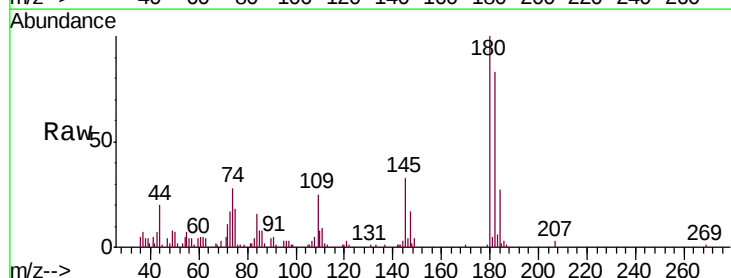
Tgt Ion:180 Resp: 18490

Ion Ratio Lower Upper

180 100

182 90.5 75.0 112.4

145 36.7 28.2 42.4



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

