

Data File : VU035846.D
Acq On : 26 Nov 2019 09:17
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Quant Time: Nov 27 01:16:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 01:03:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	238016	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	272459	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	146164	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	187786	6.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.80%
7) Chloroethane-d5	1.93	69	162040	6.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.40%
11) 1,1-Dichloroethene-d2	2.59	63	280251	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.69	46	398208	55.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.68%
24) Chloroform-d	5.11	84	301086	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.40%
26) 1,2-Dichloroethane-d4	5.75	65	160439	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.77	84	569398	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
36) 1,2-Dichloropropane-d6	6.73	67	189059	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.00%
41) Toluene-d8	7.93	98	526492	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
43) trans-1,3-Dichloropropene-	8.21	79	71314	5.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.60%
46) 2-Hexanone-d5	8.67	63	329389	60.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.26%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	152894	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	170107	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	143080	4.437 ug/L	97
3) Chloromethane	1.54	50	175161	4.411 ug/L	100
5) Vinyl chloride	1.62	62	183425	4.615 ug/L	98
6) Bromomethane	1.87	94	101342	4.961 ug/L	96
8) Chloroethane	1.95	64	109984	4.783 ug/L	95
9) Trichlorofluoromethane	2.16	101	217504	4.713 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	122633	4.678 ug/L	95
12) 1,1-Dichloroethene	2.61	96	106948	4.318 ug/L	95
13) Acetone	2.67	43	234543	37.113 ug/L	96
14) Carbon disulfide	2.82	76	344079	4.183 ug/L	99
15) Methyl Acetate	2.99	43	57261	4.520 ug/L	99
16) Methylene chloride	3.08	84	134719	4.503 ug/L	99
17) Methyl tert-butyl Ether	3.42	73	256080	4.273 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	112050	4.595 ug/L	97
19) 1,1-Dichloroethane	3.92	63	253997	4.636 ug/L	99
21) 2-Butanone	4.77	43	368167	46.038 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	126935	4.671 ug/L	99

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Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Quant Time: Nov 27 01:16:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 01:03:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	56750	4.794	ug/L	96
25) Chloroform	5.13	83	260348	4.883	ug/L	98
27) 1,2-Dichloroethane	5.84	62	162956	4.647	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	199173	4.527	ug/L	99
30) Cyclohexane	5.43	56	182939	4.255	ug/L	99
31) Carbon tetrachloride	5.57	117	172821	4.536	ug/L	99
33) Benzene	5.82	78	530304	4.663	ug/L	100
34) Trichloroethene	6.58	95	142570	5.113	ug/L	97
35) Methylcyclohexane	6.80	83	173856	4.248	ug/L	97
37) 1,2-Dichloropropane	6.83	63	148001	4.588	ug/L	99
38) Bromodichloromethane	7.14	83	176012	4.553	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	182969	4.382	ug/L	96
40) 4-Methyl-2-pentanone	7.84	43	870401	43.953	ug/L	100
42) Toluene	8.00	91	545485	4.611	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	163386	4.719	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	97309	4.630	ug/L	98
47) Tetrachloroethene	8.58	164	93083	4.387	ug/L	98
48) 2-Hexanone	8.73	43	671427	46.052	ug/L	95
49) Dibromochloromethane	8.84	129	113210	4.566	ug/L	96
50) 1,2-Dibromoethane	8.96	107	90569	4.709	ug/L	95
51) Chlorobenzene	9.48	112	318397	4.345	ug/L	98
52) Ethylbenzene	9.60	91	522817	4.274	ug/L	99
53) m,p-Xylene	9.72	106	196020	4.545	ug/L	99
54) o-Xylene	10.13	106	187644	4.480	ug/L	97
55) Styrene	10.14	104	322836	4.647	ug/L	98
56) Isopropylbenzene	10.51	105	491352	4.440	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	129897	4.466	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	94586	4.510	ug/L	99
61) Bromoform	10.32	173	63735	4.340	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	239041	4.557	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	236809	4.585	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	230889	4.613	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	17945	4.333	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	161248	5.115	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	82412	4.549	ug/L	97
69) Naphthalene	14.11	128	75850	2.973	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	77587	4.403	ug/L	99

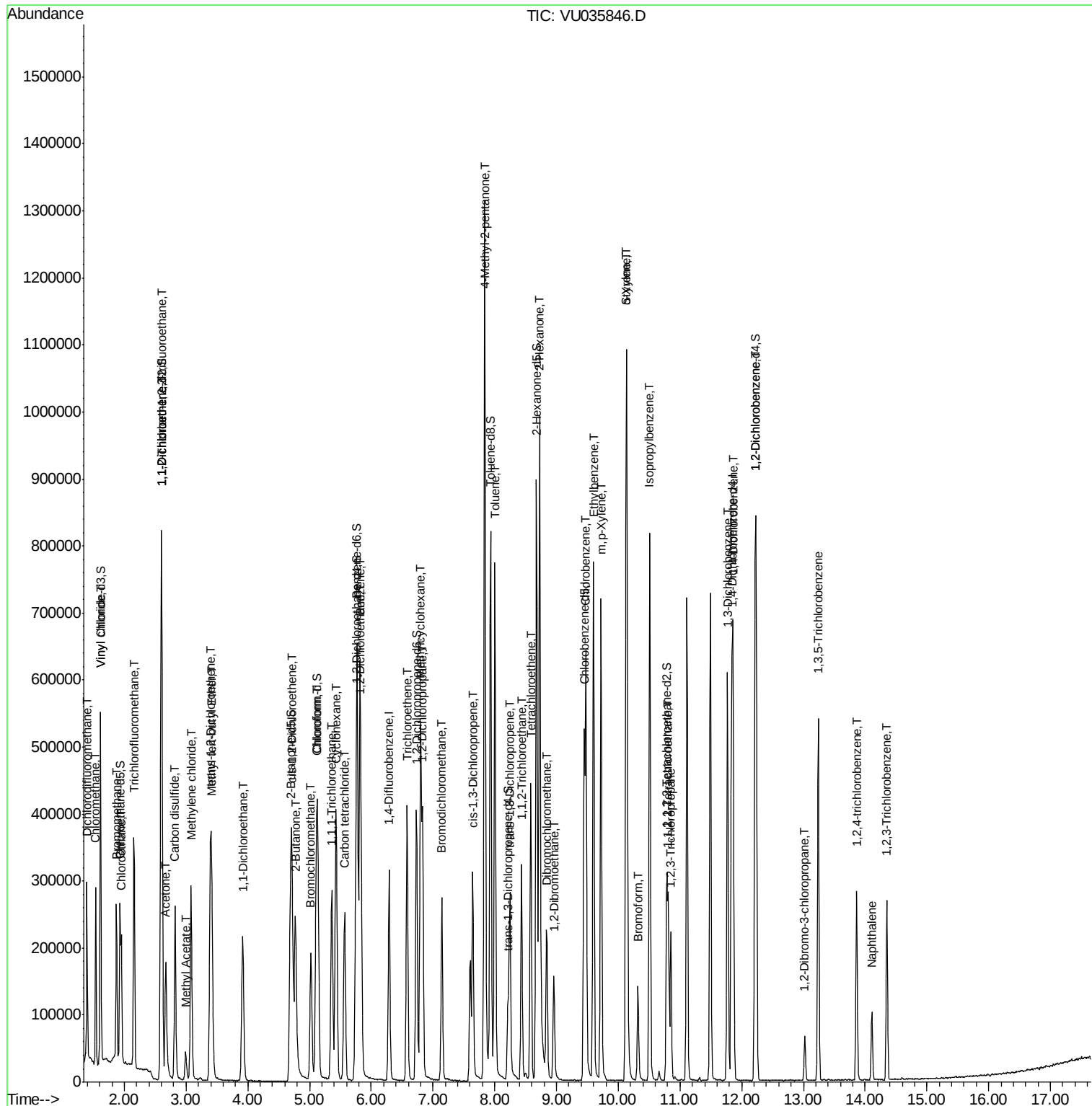
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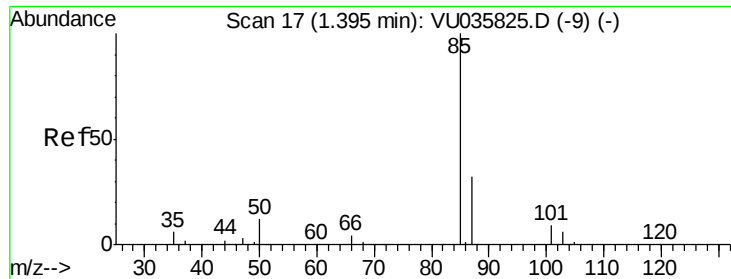
Data File : VU035846.D

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Acq On       : 26 Nov 2019   09:17
Operator    : JC/SP
Sample      : VSTDCCC005
Misc       : 25.0mL/MSV0A_U/WATER
ALS Vial    : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Quant Time: Nov 27 01:16:41 2019
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#2

Dichlorodifluoromethane

Concen: 4.437 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

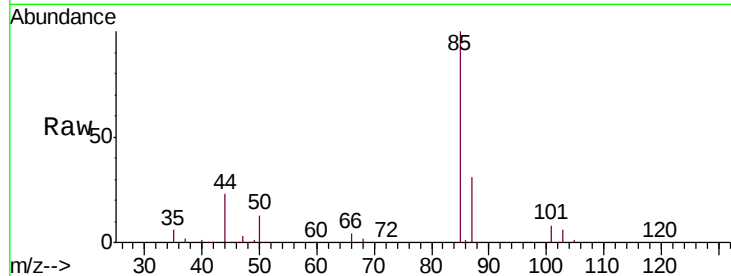
VSTD00510

Tgt Ion: 85 Resp: 143080

Ion Ratio Lower Upper

85 100

87 31.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035825.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035825.D (-9) (-)

1.39

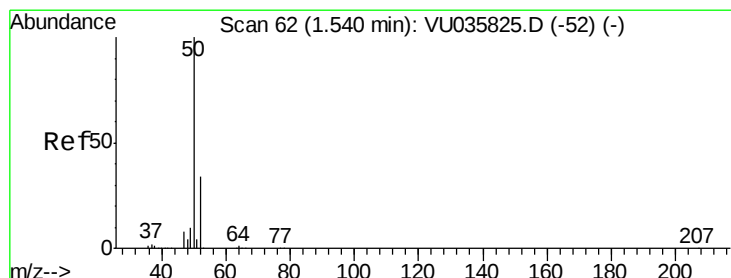
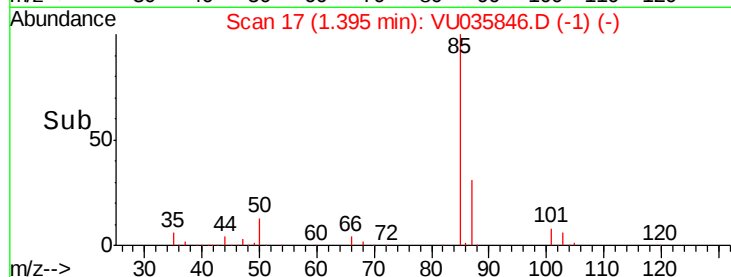
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.411 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035846.D

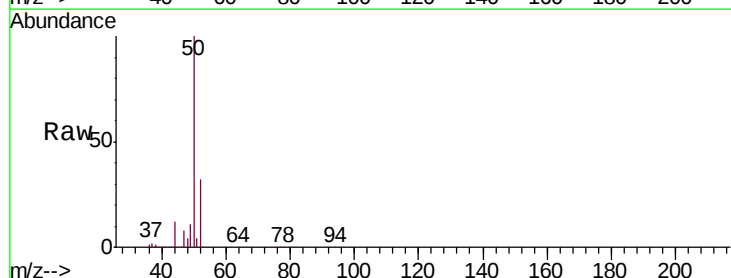
Acq: 26 Nov 2019 09:17

Tgt Ion: 50 Resp: 175161

Ion Ratio Lower Upper

50 100

52 32.3 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035825.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035825.D (-52) (-)

1.54

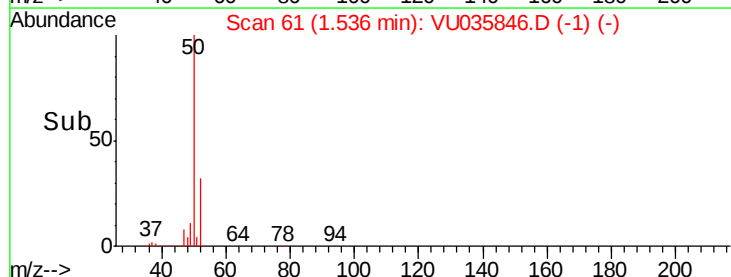
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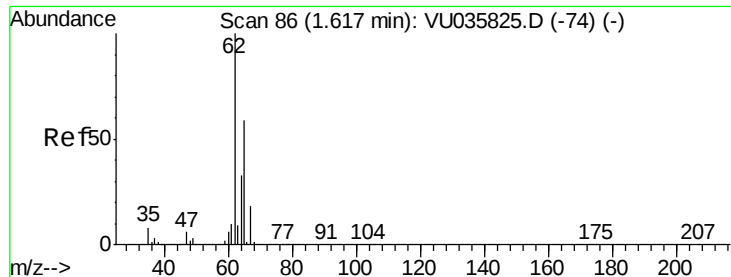
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50000

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Time-->





#5

Vinyl chloride

Concen: 4.615 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

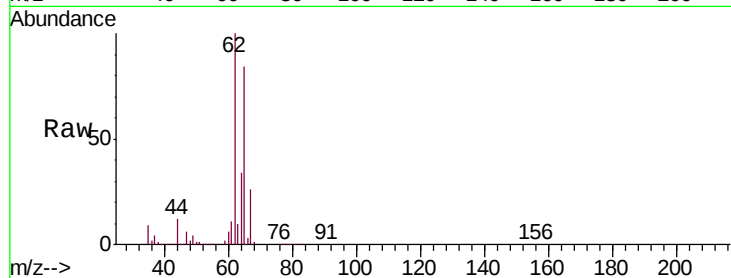
VSTD00510

Tgt Ion: 62 Resp: 183425

Ion Ratio Lower Upper

62 100

64 33.5 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035825.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU035825.D (-74) (-)

1.62

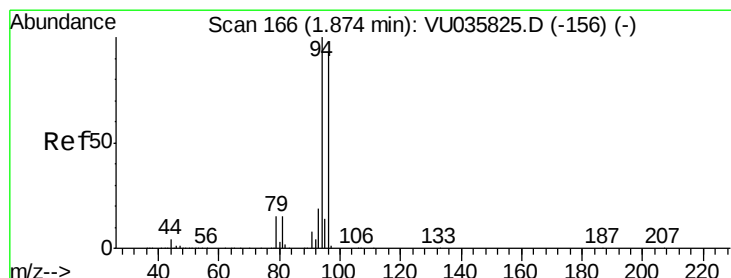
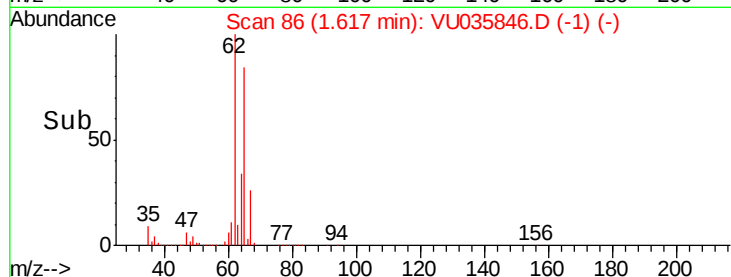
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.961 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035846.D

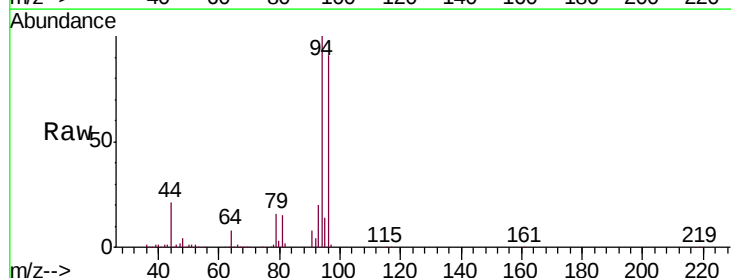
Acq: 26 Nov 2019 09:17

Tgt Ion: 94 Resp: 101342

Ion Ratio Lower Upper

94 100

96 91.1 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035825.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035825.D (-156) (-)

1.87

80000

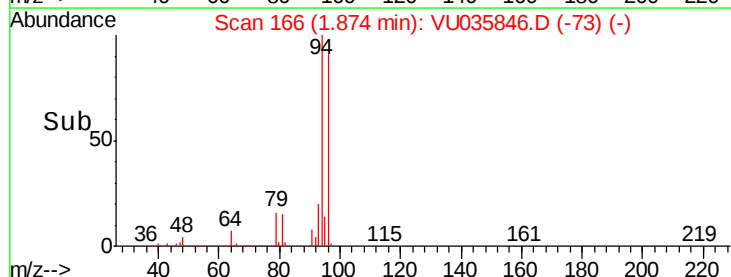
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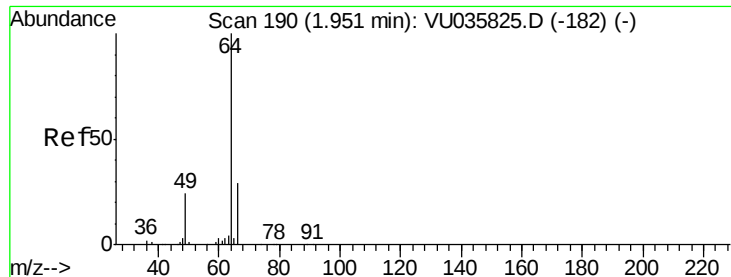
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20000

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Time-->





#8

Chloroethane

Concen: 4.783 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

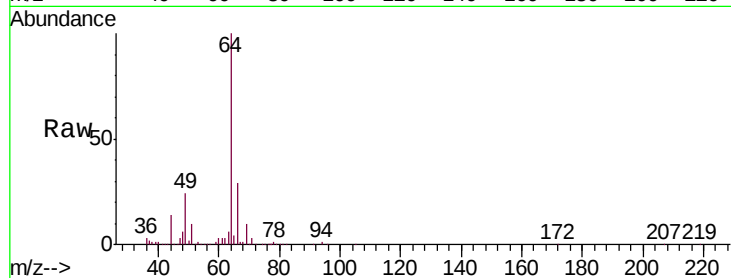
VSTD00510

Tgt Ion: 64 Resp: 109984

Ion Ratio Lower Upper

64 100

66 29.0 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU035825.D (-182) (-)

Ion 66.05 (65.75 to 66.75): VU035825.D (-182) (-)

1.95

100000

80000

60000

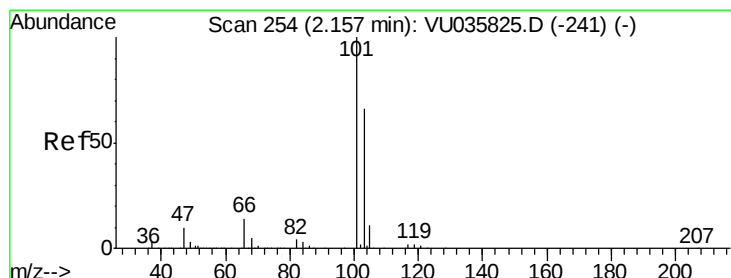
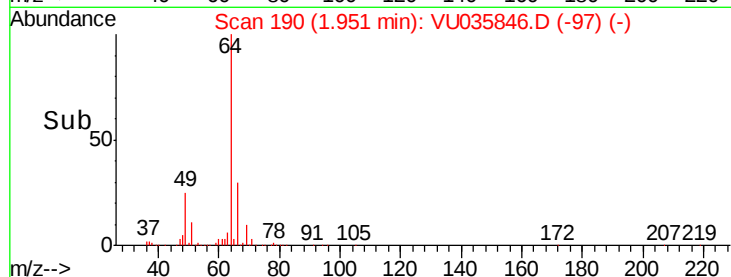
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20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 4.713 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035846.D

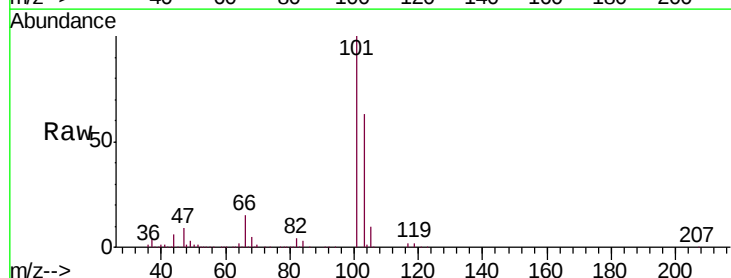
Acq: 26 Nov 2019 09:17

Tgt Ion: 101 Resp: 217504

Ion Ratio Lower Upper

101 100

103 63.6 49.8 74.6



Abundance Ion 101.00 (100.70 to 101.70): VU035825.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU035825.D (-241) (-)

2.16

150000

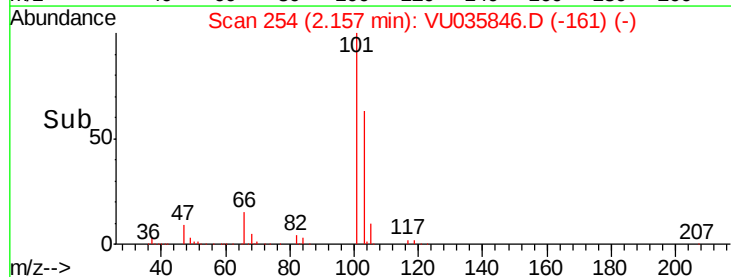
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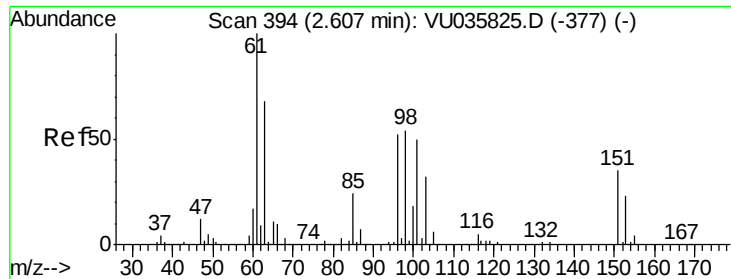
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0

2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 4.678 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

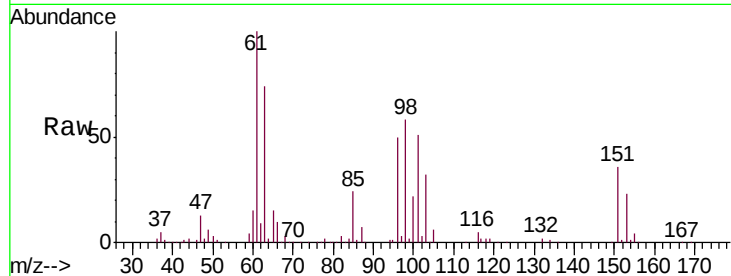
Tgt Ion: 101 Resp: 122633

Ion Ratio Lower Upper

101 100

85 45.8 38.1 57.1

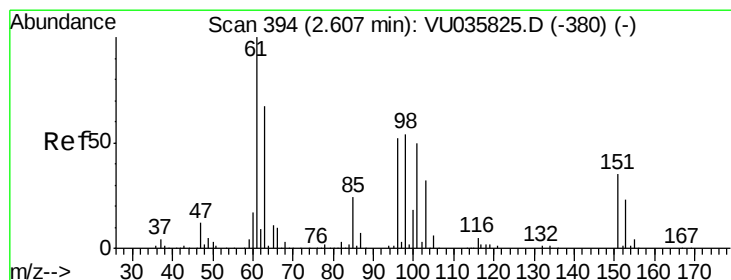
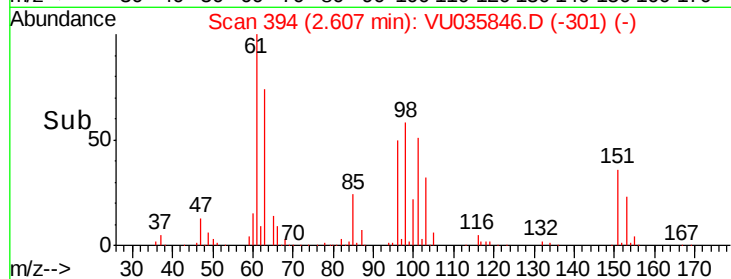
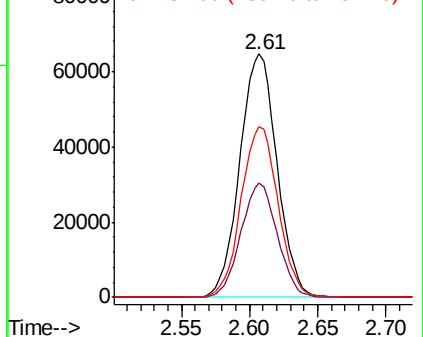
151 69.9 52.0 78.0



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: 4.318 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

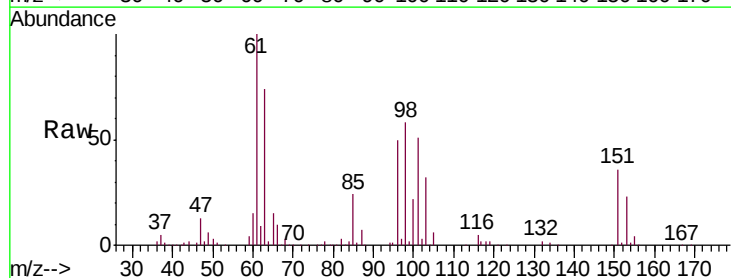
Tgt Ion: 96 Resp: 106948

Ion Ratio Lower Upper

96 100

61 199.2 139.3 258.7

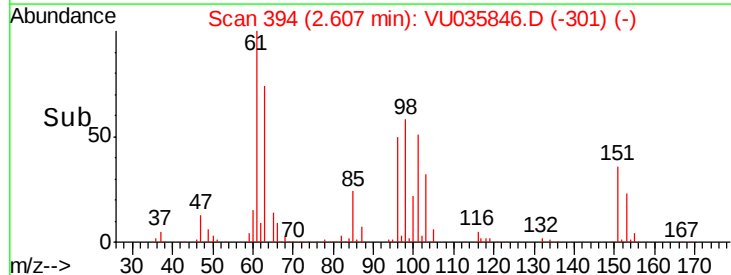
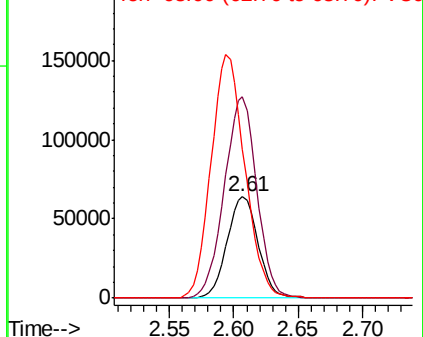
63 147.4 93.7 174.1

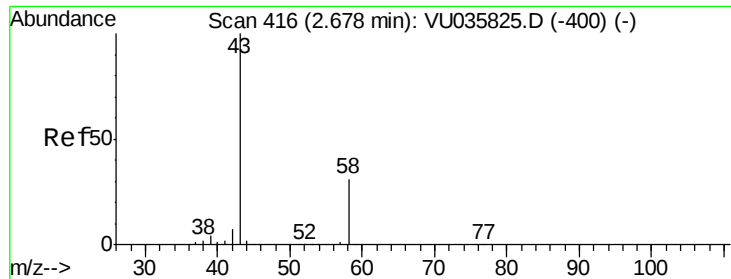


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 37.113 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

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Acq: 26 Nov 2019 09:17

Instrument :

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ClientSampleId :

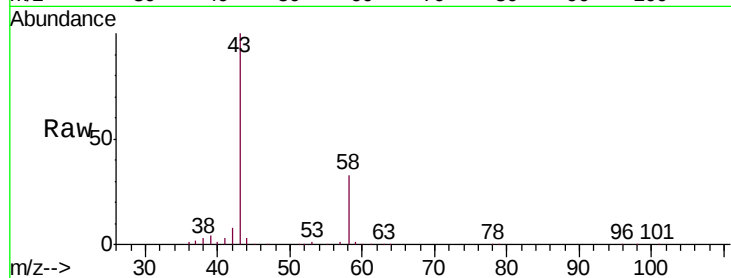
VSTD00510

Tgt Ion: 43 Resp: 234543

Ion Ratio Lower Upper

43 100

58 32.6 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035825.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035825.D (-400) (-)

2.67

120000

100000

80000

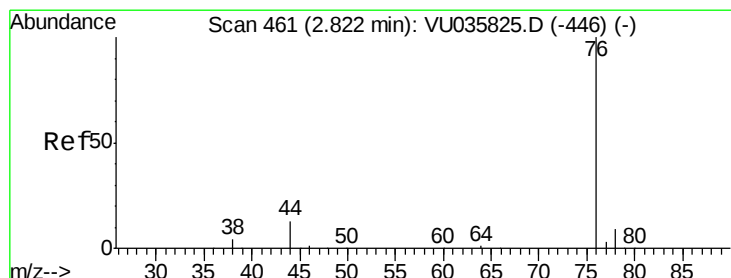
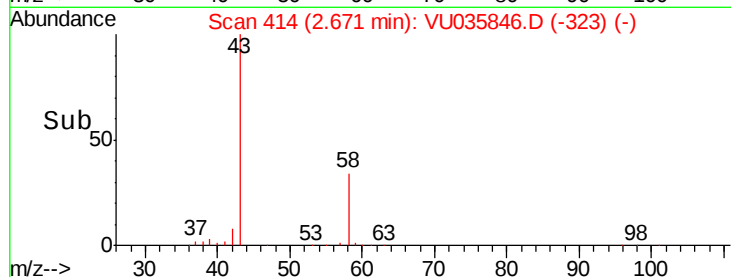
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 4.183 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035846.D

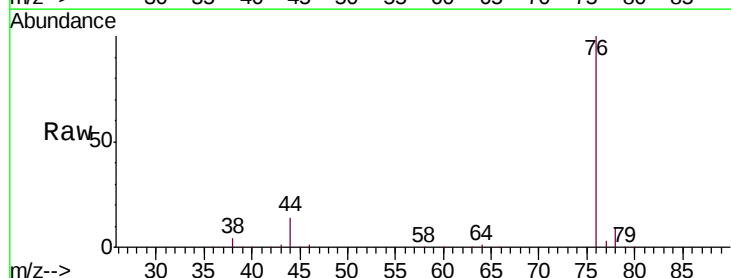
Acq: 26 Nov 2019 09:17

Tgt Ion: 76 Resp: 344079

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035825.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035825.D (-446) (-)

2.82

200000

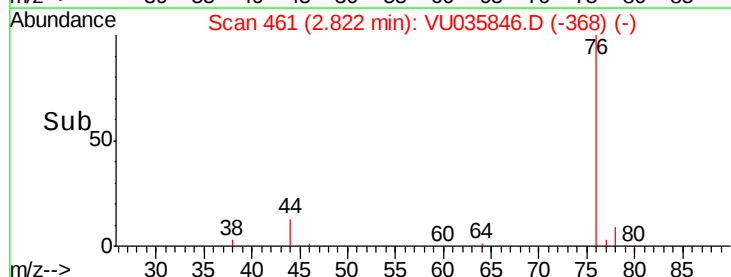
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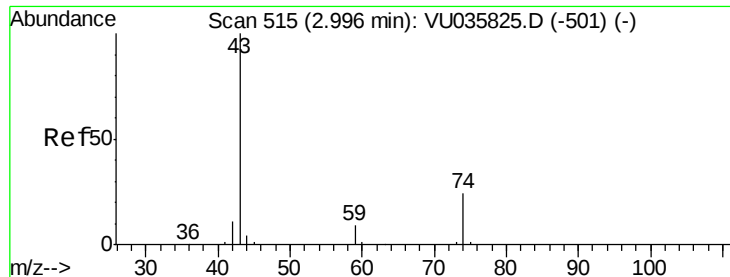
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50000

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Time-->

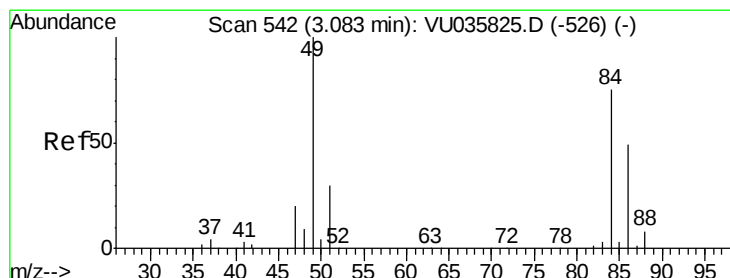
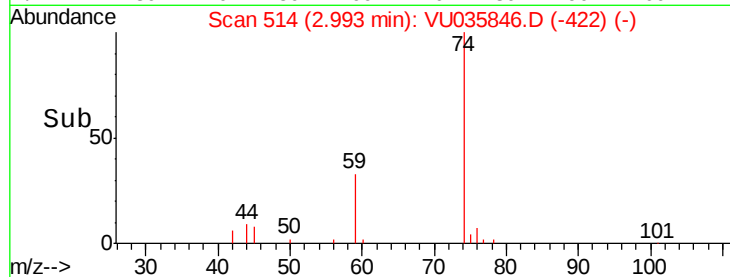
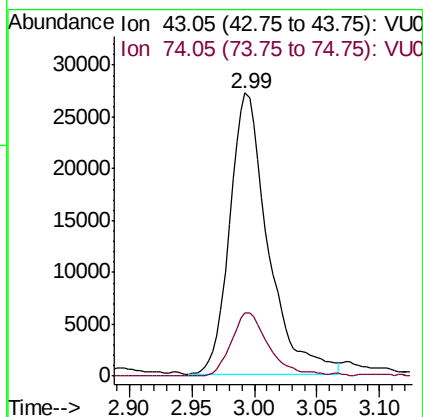
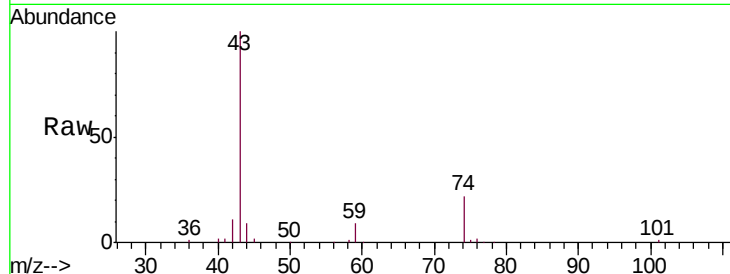




#15
Methyl Acetate
Concen: 4.520 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

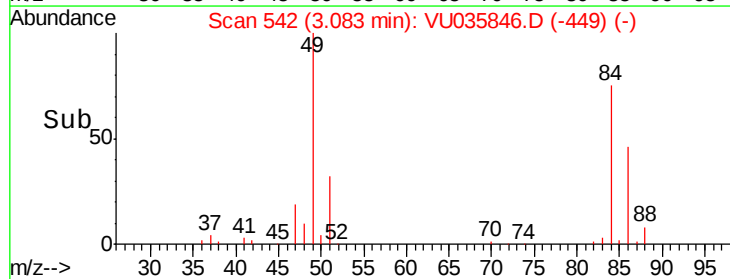
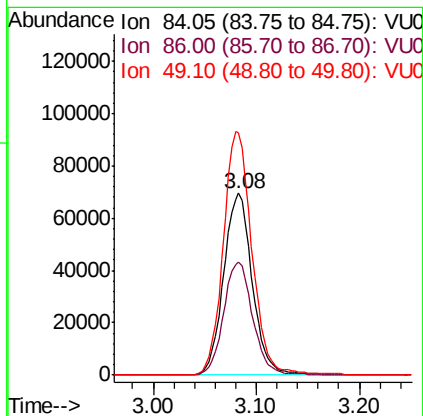
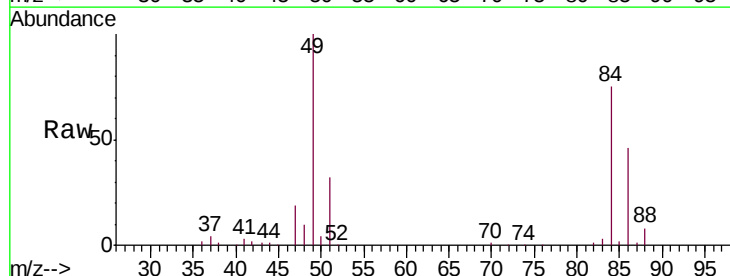
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

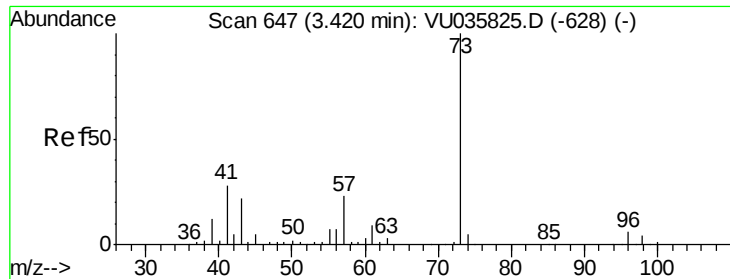
Tgt Ion: 43 Resp: 57261
Ion Ratio Lower Upper
43 100
74 22.3 18.2 27.4



#16
Methylene chloride
Concen: 4.503 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

Tgt Ion: 84 Resp: 134719
Ion Ratio Lower Upper
84 100
86 62.0 44.4 82.5
49 133.4 94.0 174.6

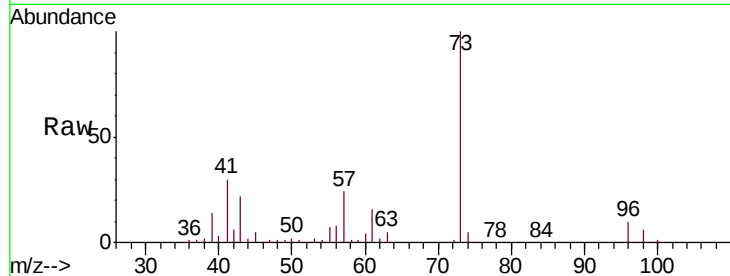




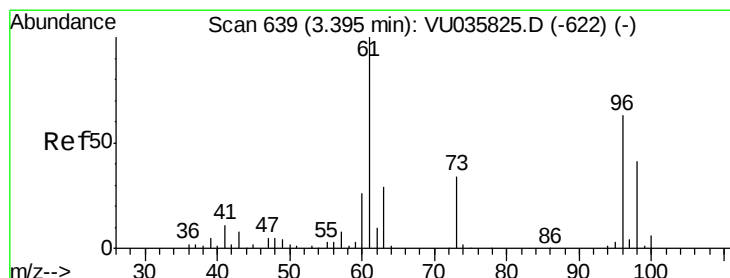
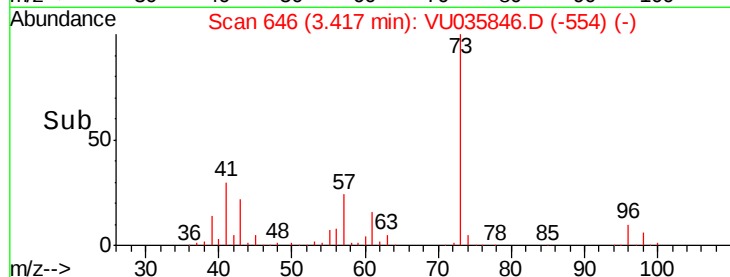
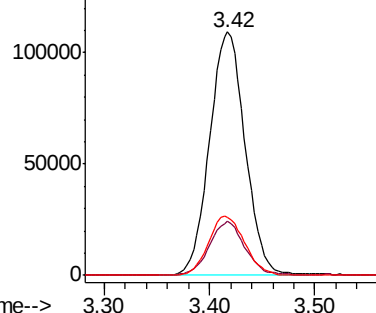
#17
Methyl tert-butyl Ether
Concen: 4.273 ug/L
RT: 3.42 min Scan# 646
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tgt Ion: 73 Resp: 256080
Ion Ratio Lower Upper
73 100
43 21.7 17.4 26.2
57 24.7 19.4 29.0

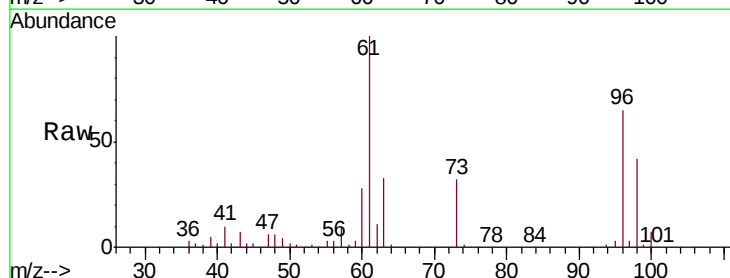


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

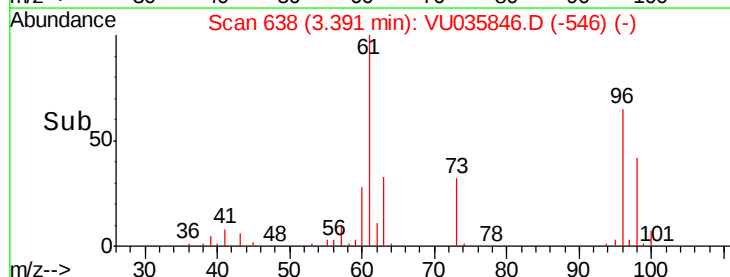
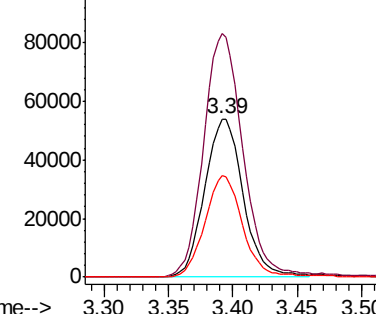


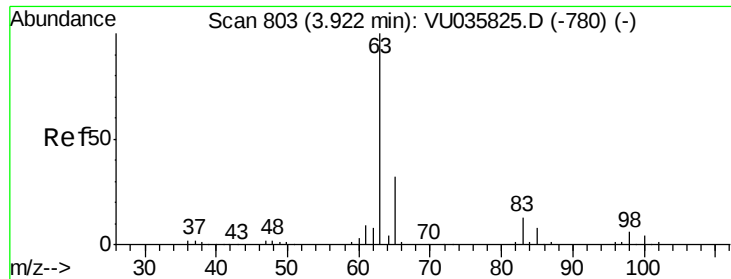
#18
trans-1,2-Dichloroethene
Concen: 4.595 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

Tgt Ion: 96 Resp: 112050
Ion Ratio Lower Upper
96 100
61 154.0 111.1 206.3
98 64.1 43.1 80.1



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

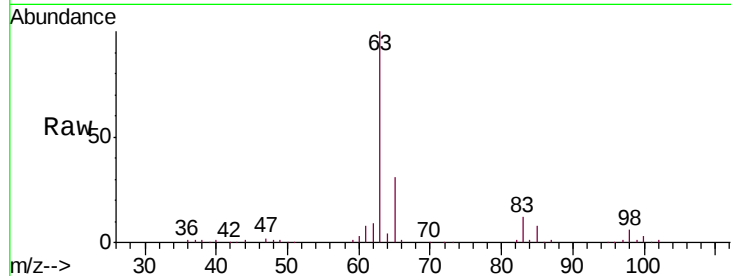




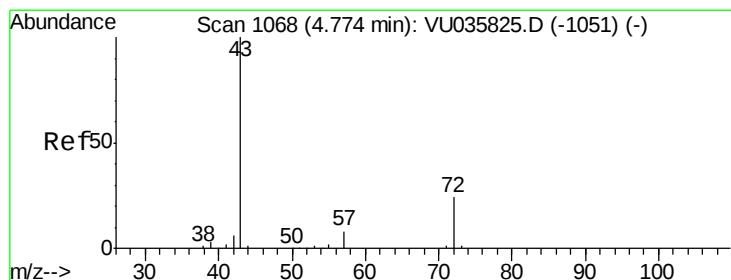
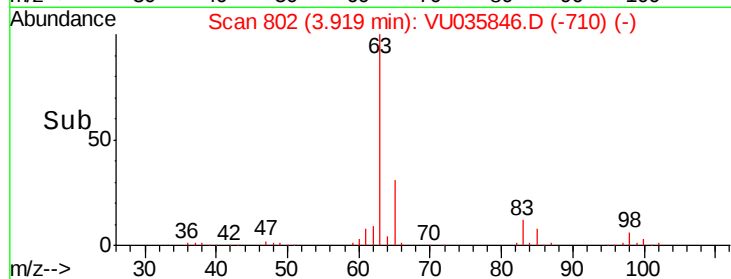
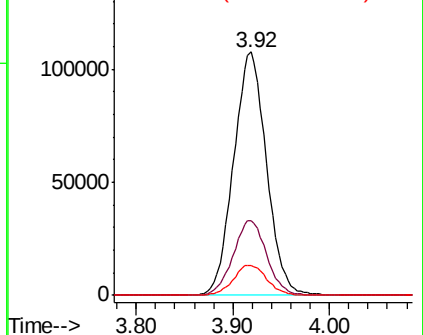
#19
 1,1-Dichloroethane
 Concen: 4.636 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00510

Tgt Ion: 63 Resp: 253997
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.8 40.4
 83 12.1 8.6 16.0

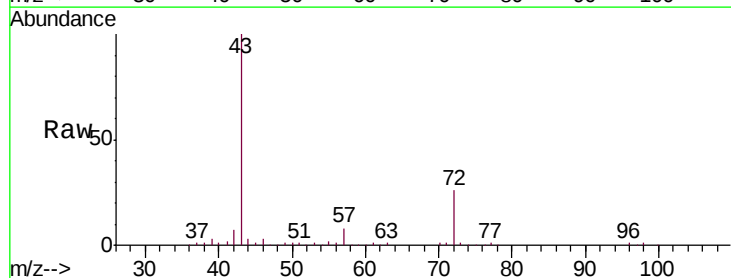


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

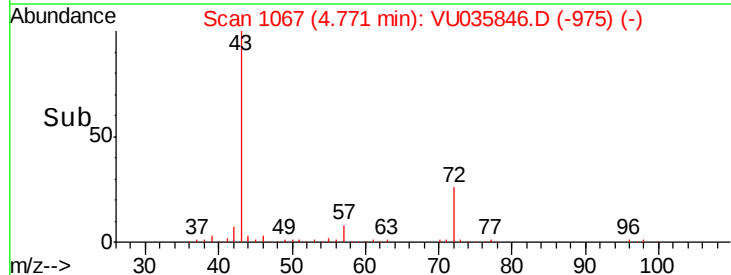
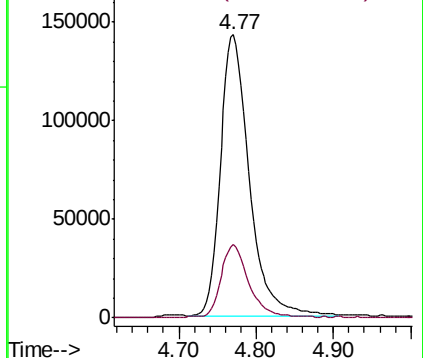


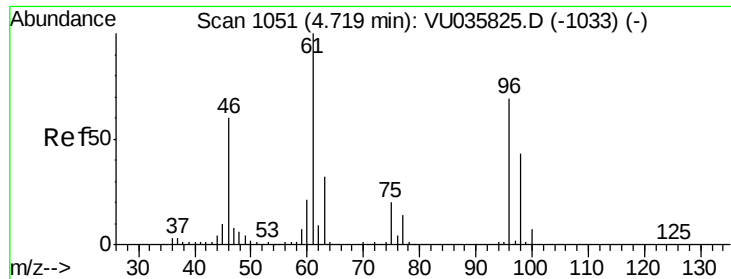
#21
 2-Butanone
 Concen: 46.038 ug/L
 RT: 4.77 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

Tgt Ion: 43 Resp: 368167
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.4 37.4



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

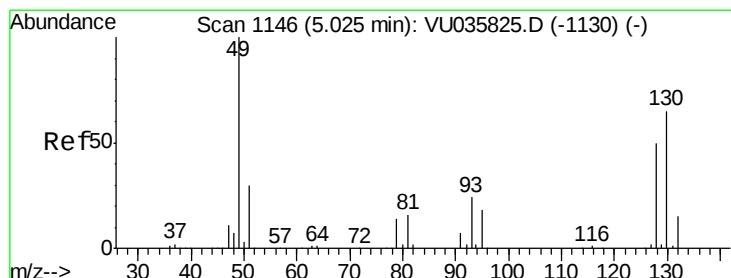
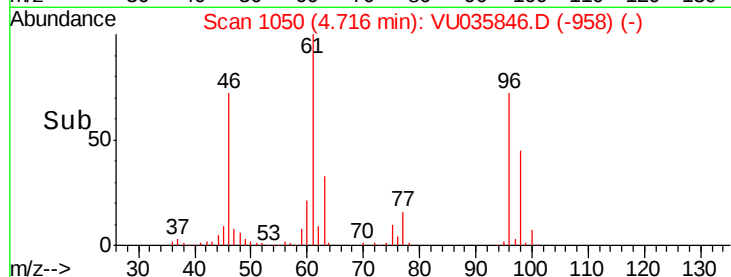
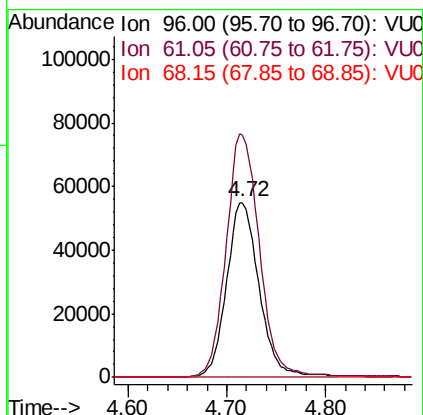
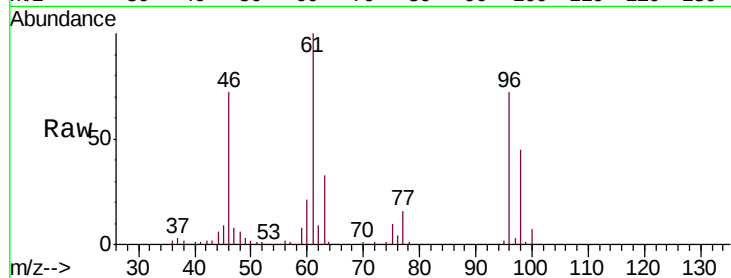




#22
 cis-1,2-Dichloroethene
 Concen: 4.671 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

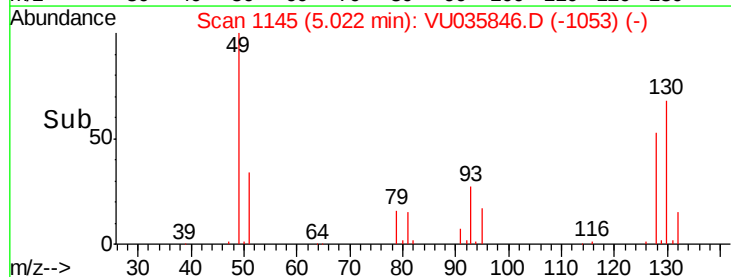
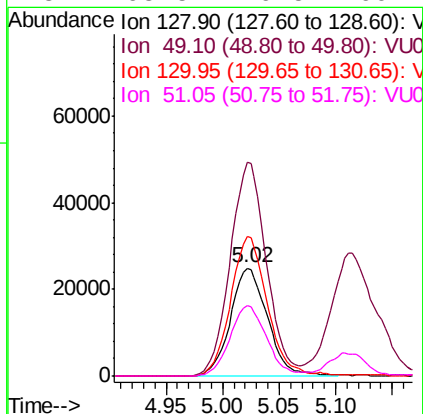
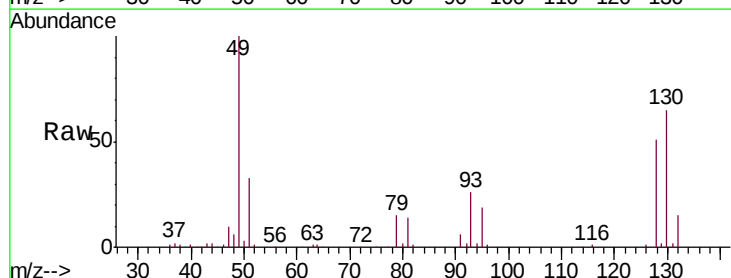
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

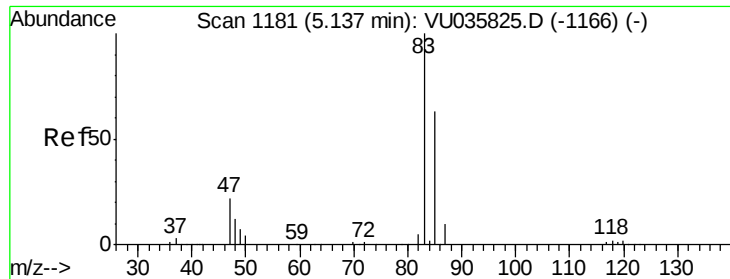
Tgt Ion: 96 Resp: 126935
 Ion Ratio Lower Upper
 96 100
 61 138.9 98.1 182.1
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.794 ug/L
 RT: 5.02 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

Tgt Ion: 128 Resp: 56750
 Ion Ratio Lower Upper
 128 100
 49 197.8 133.8 248.6
 130 129.2 91.1 169.1
 51 65.5 46.5 69.7

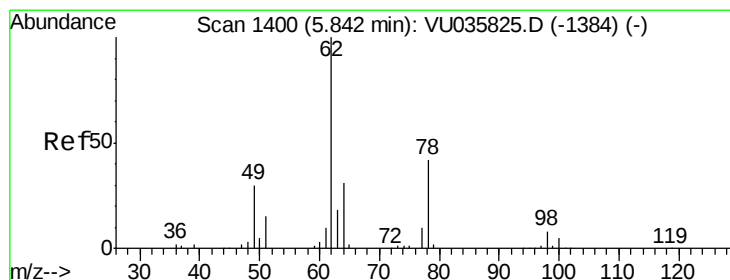
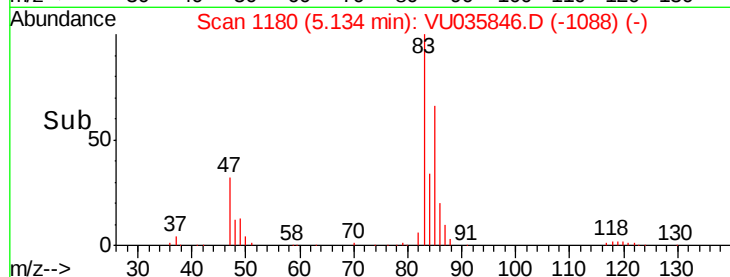
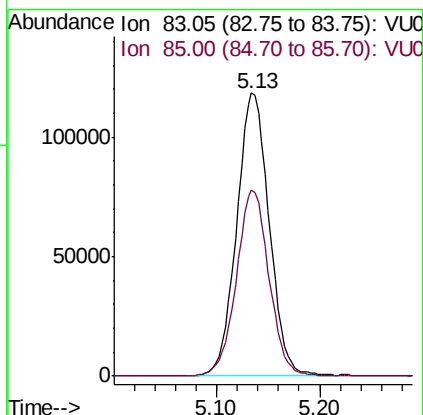
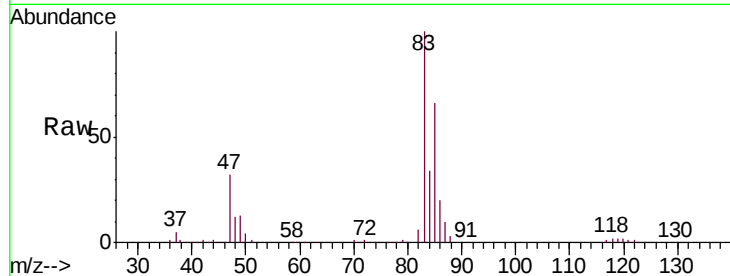




#25
Chloroform
Concen: 4.883 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

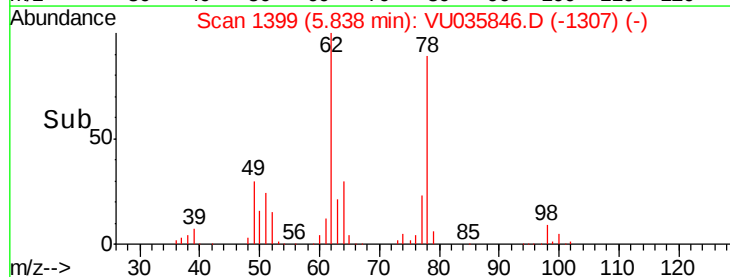
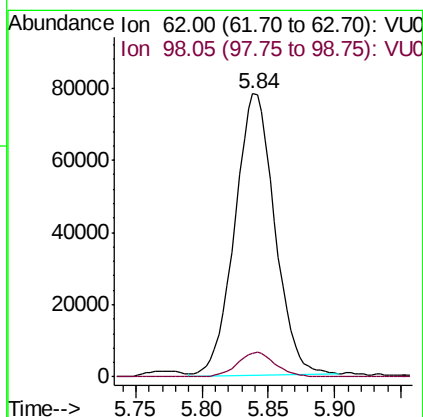
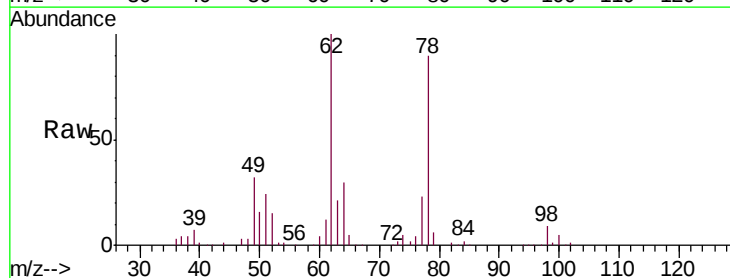
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

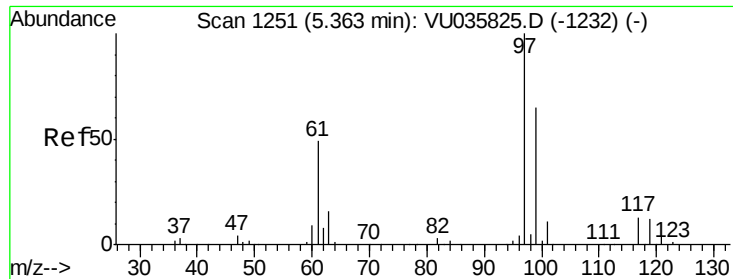
Tgt Ion: 83 Resp: 260348
Ion Ratio Lower Upper
83 100
85 65.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.647 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

Tgt Ion: 62 Resp: 162956
Ion Ratio Lower Upper
62 100
98 8.5 6.2 9.4

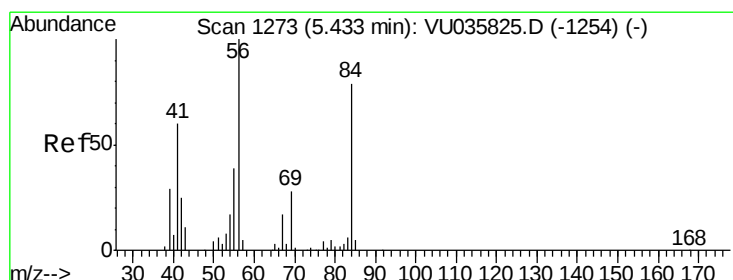
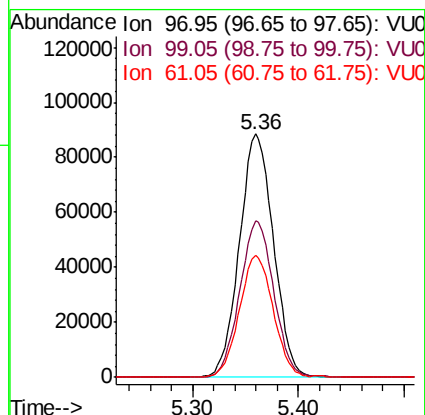
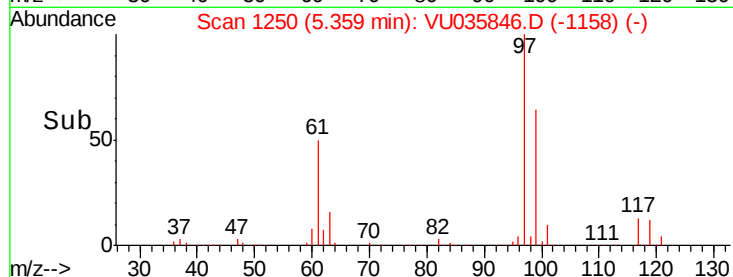
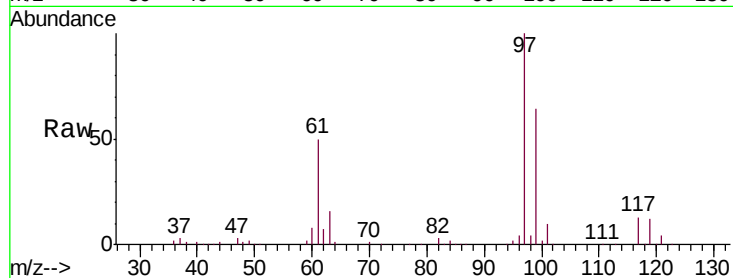




#29
 1,1,1-Trichloroethane
 Concen: 4.527 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

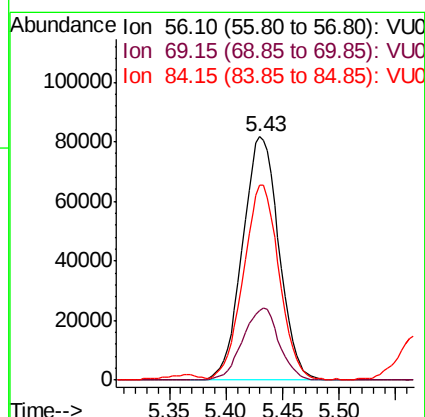
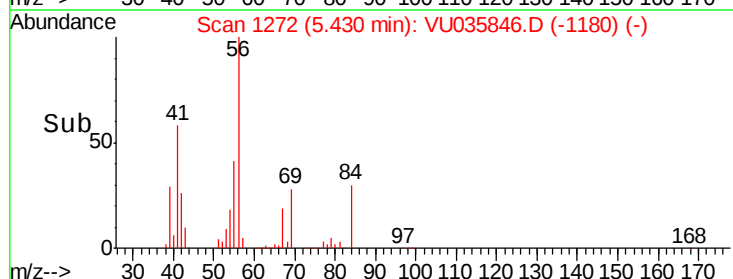
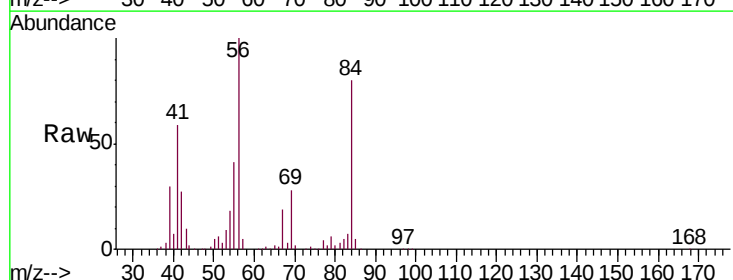
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

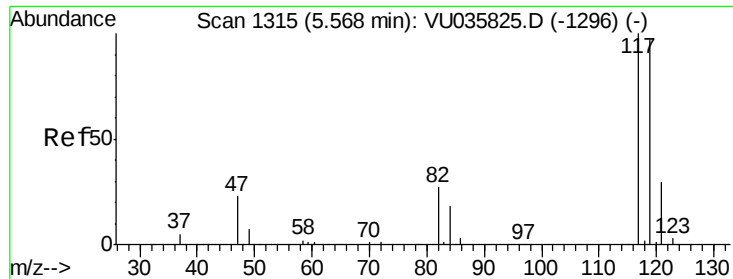
Tgt Ion: 97 Resp: 199173
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.9 77.9
 61 49.6 40.3 60.5



#30
 Cyclohexane
 Concen: 4.255 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

Tgt Ion: 56 Resp: 182939
 Ion Ratio Lower Upper
 56 100
 69 29.5 24.0 36.0
 84 78.1 62.1 93.1

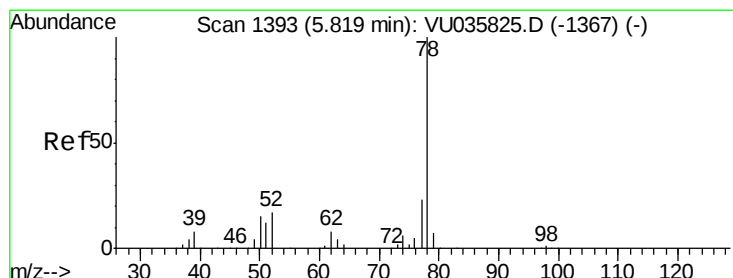
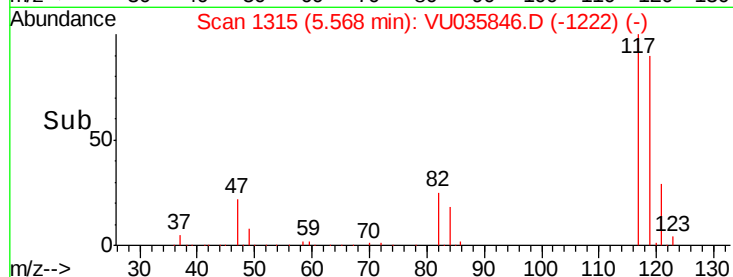
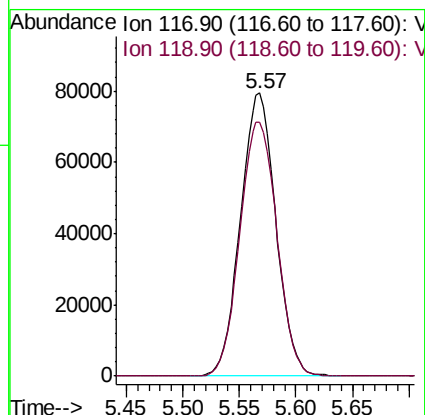
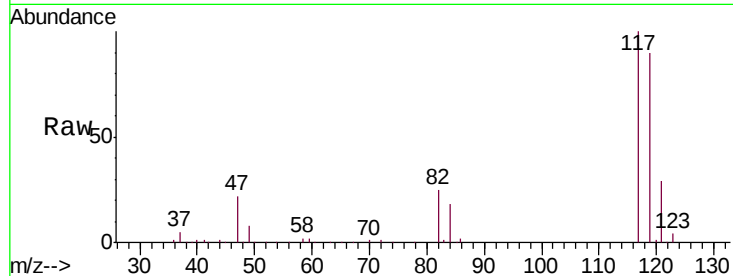




#31
Carbon tetrachloride
Concen: 4.536 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

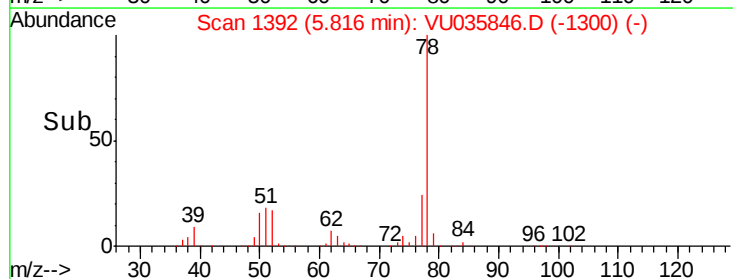
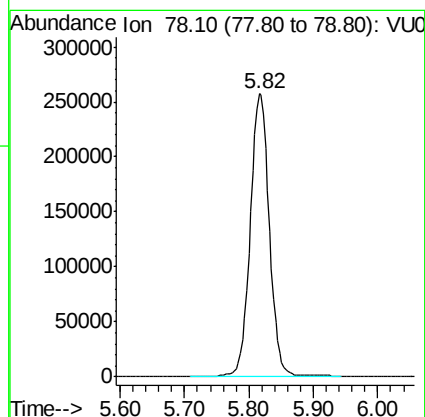
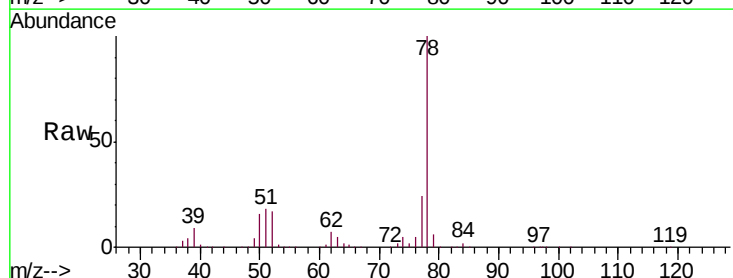
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

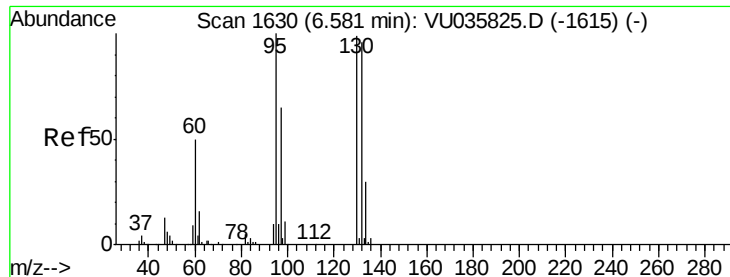
Tgt Ion:117 Resp: 172821
Ion Ratio Lower Upper
117 100
119 94.2 76.0 114.0



#33
Benzene
Concen: 4.663 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

Tgt Ion: 78 Resp: 530304





#34

Trichloroethene

Concen: 5.113 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

Tgt Ion: 95 Resp: 142570

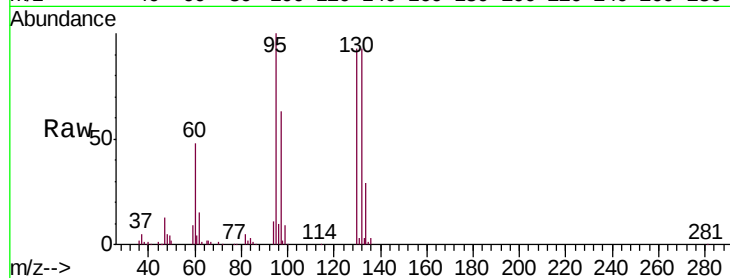
Ion Ratio Lower Upper

95 100

97 63.1 45.1 83.9

132 92.9 61.9 114.9

130 93.2 66.3 123.1



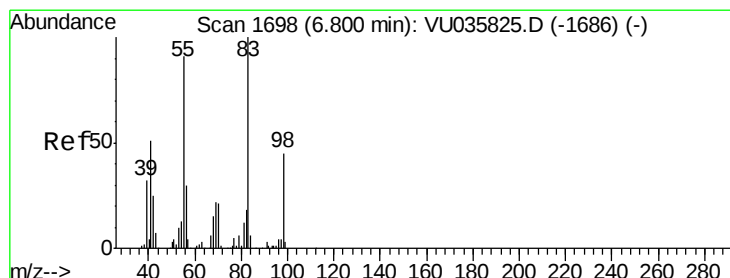
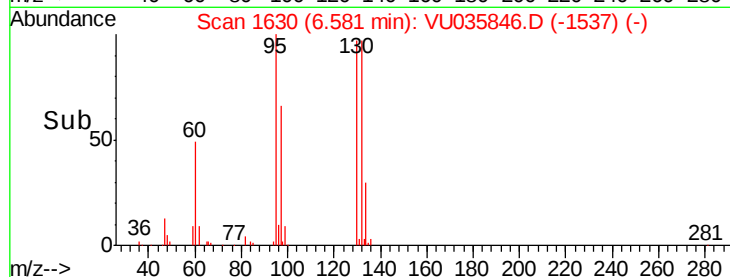
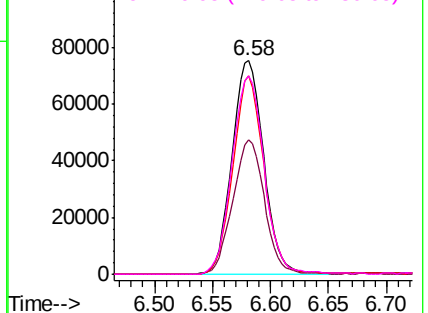
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.248 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

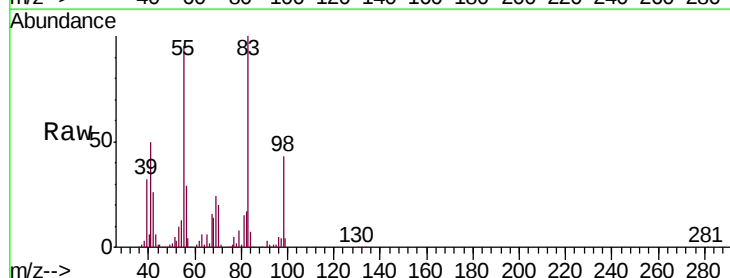
Tgt Ion: 83 Resp: 173856

Ion Ratio Lower Upper

83 100

55 93.5 72.7 109.1

98 43.4 36.2 54.4

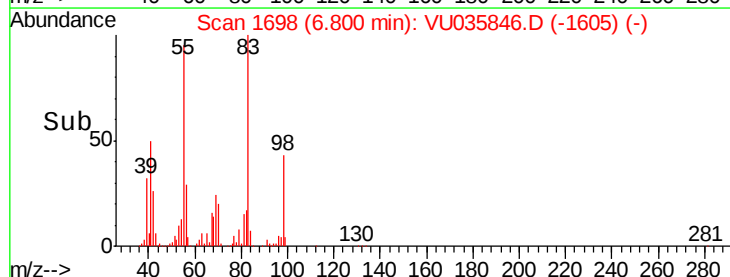
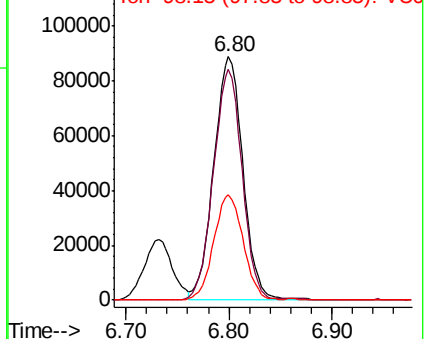


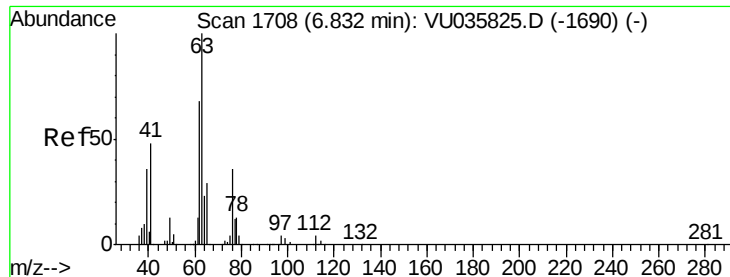
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

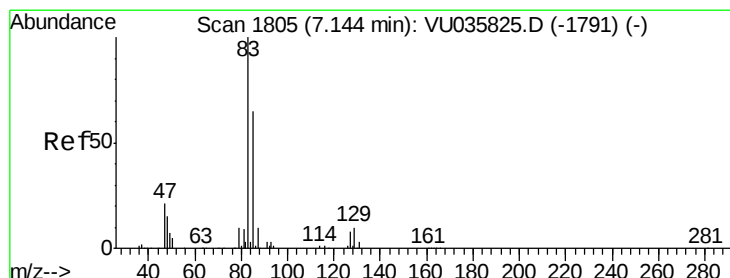
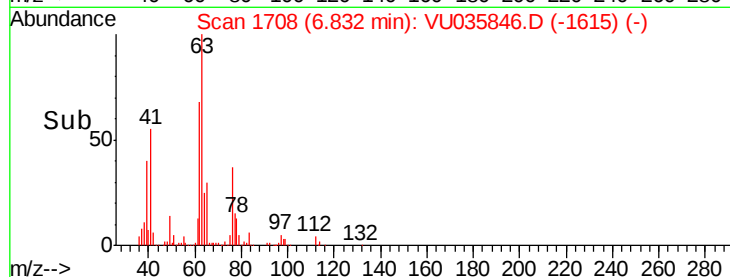
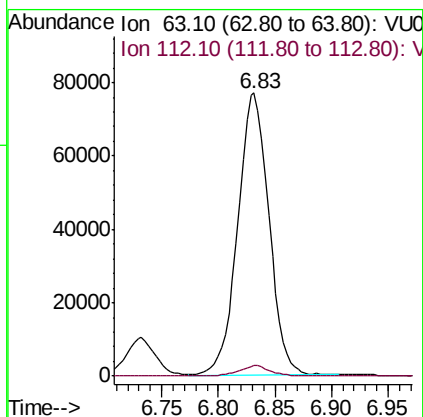
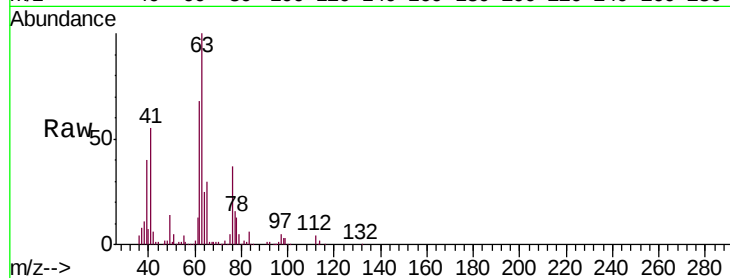




#37
 1,2-Dichloropropane
 Concen: 4.588 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

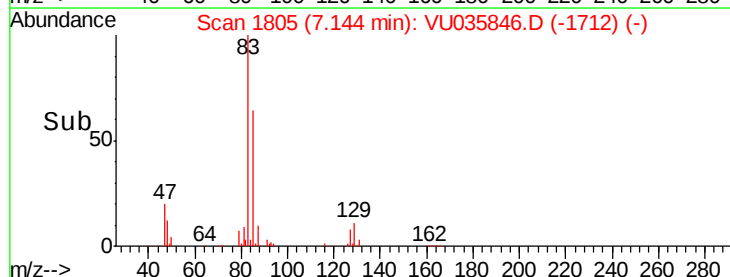
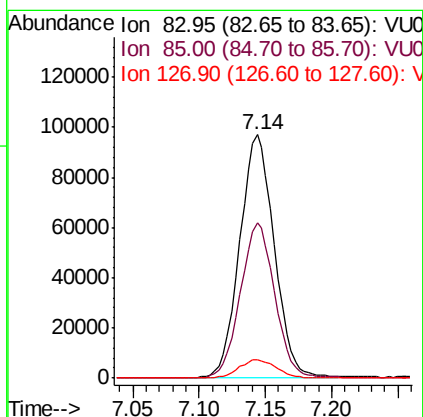
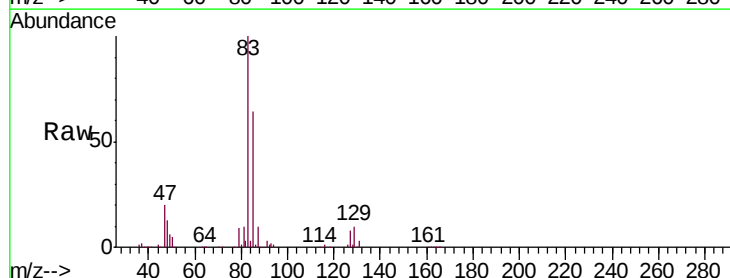
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

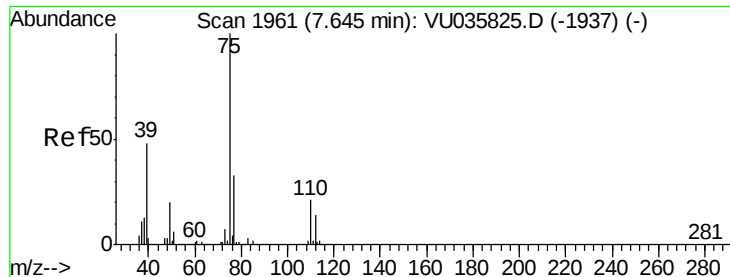
Tgt Ion: 63 Resp: 148001
 Ion Ratio Lower Upper
 63 100
 112 3.8 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.553 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

Tgt Ion: 83 Resp: 176012
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.6 84.8
 127 7.6 6.0 9.0

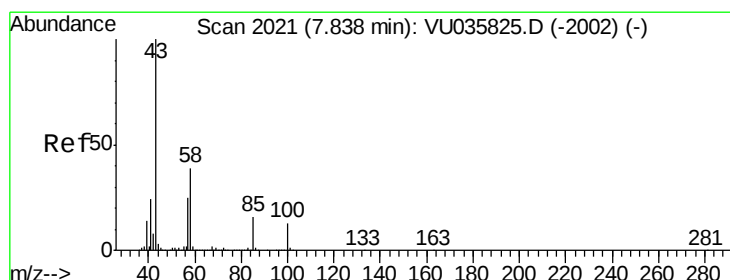
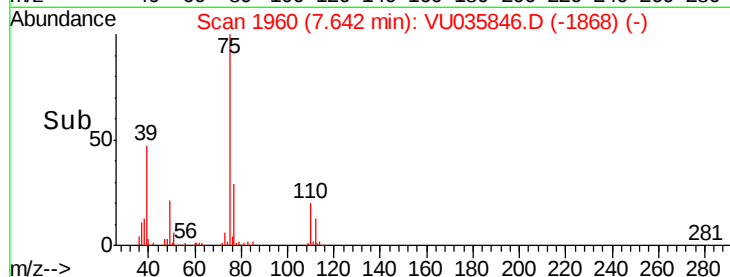
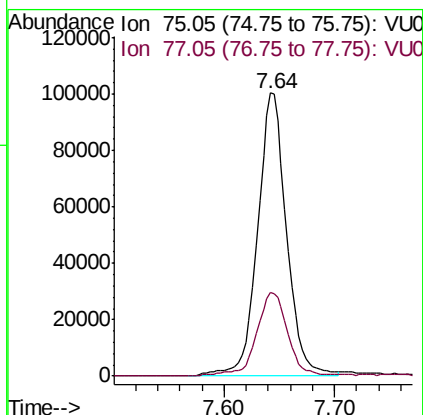
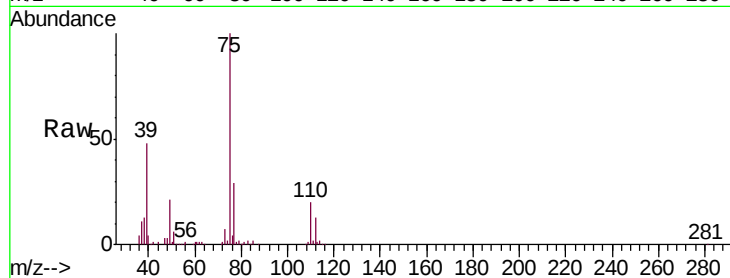




#39
 cis-1,3-Dichloropropene
 Concen: 4.382 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

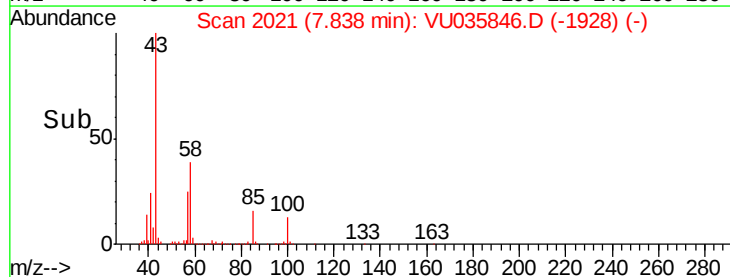
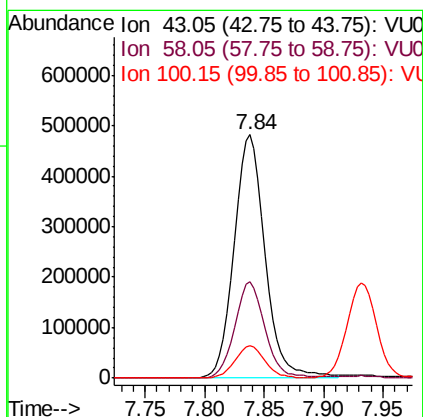
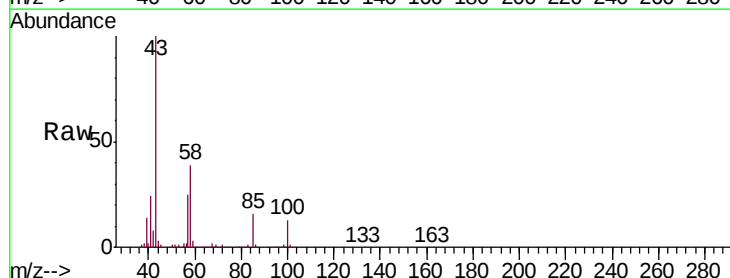
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

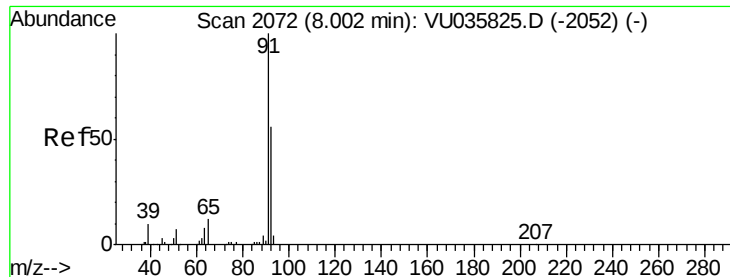
Tgt Ion: 75 Resp: 182969
 Ion Ratio Lower Upper
 75 100
 77 29.4 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 43.953 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

Tgt Ion: 43 Resp: 870401
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.8 46.2
 100 12.8 10.0 15.0





#42

Toluene

Concen: 4.611 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

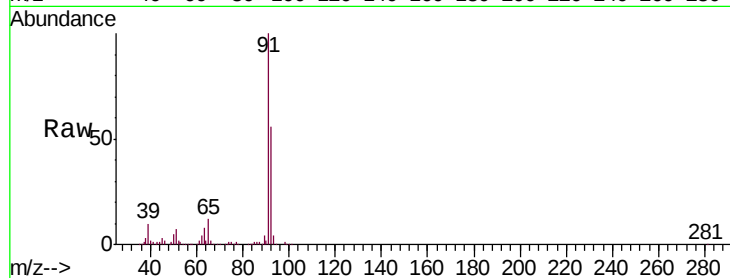
VSTD00510

Tgt Ion: 91 Resp: 545485

Ion Ratio Lower Upper

91 100

92 56.2 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035825.D (-2052) (-)

Ion 92.15 (91.85 to 92.85): VU035825.D (-2052) (-)

8.00

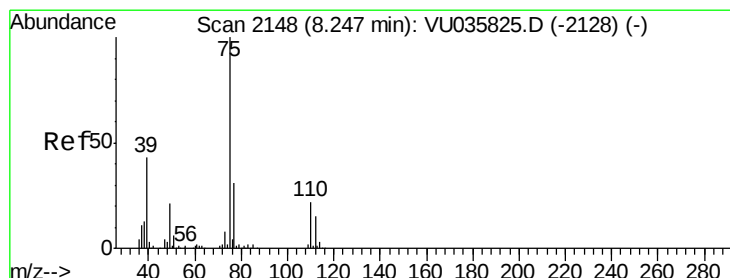
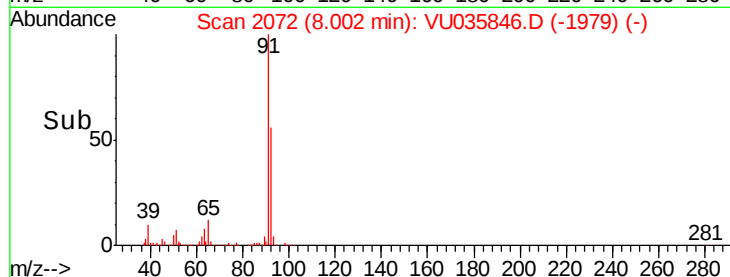
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 4.719 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035846.D

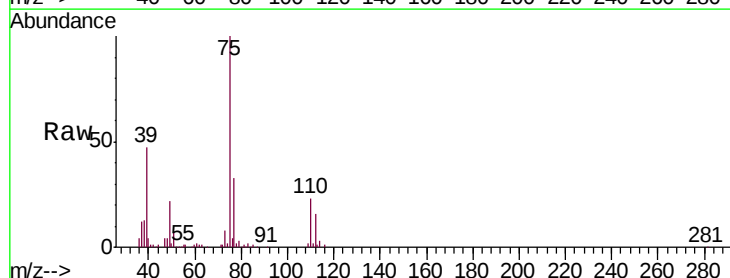
Acq: 26 Nov 2019 09:17

Tgt Ion: 75 Resp: 163386

Ion Ratio Lower Upper

75 100

77 33.3 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU035825.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU035825.D (-2128) (-)

8.25

100000

80000

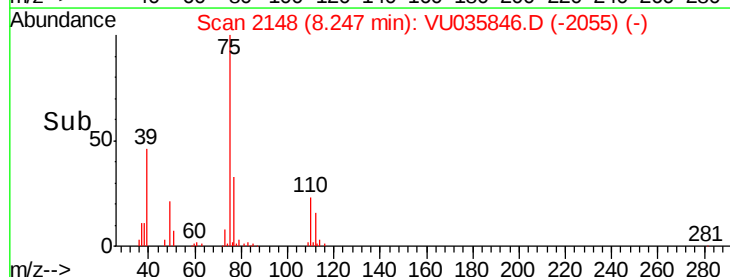
60000

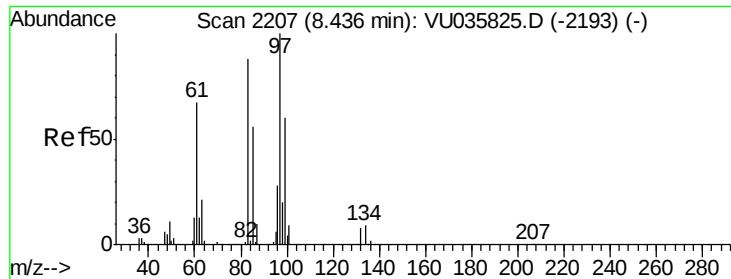
40000

20000

0

Time--> 8.10 8.20 8.30 8.40

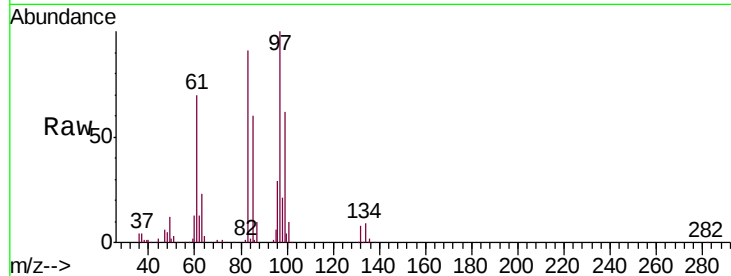




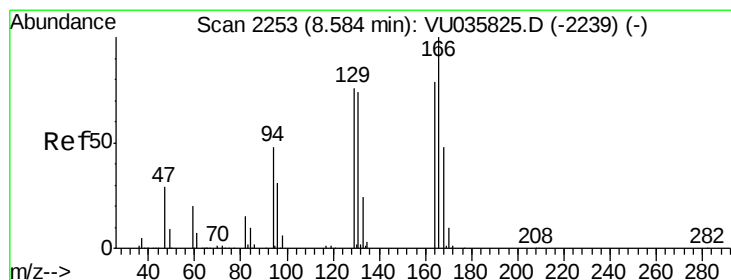
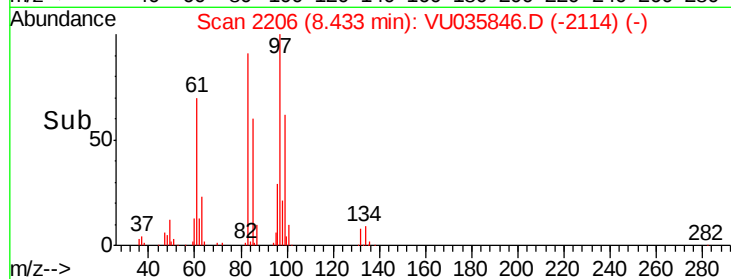
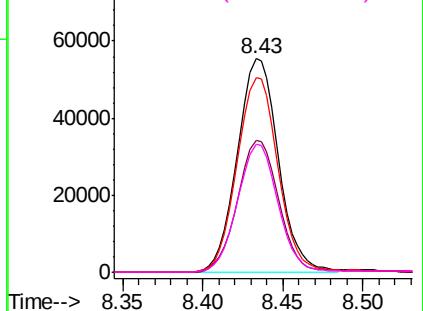
#45
 1,1,2-Trichloroethane
 Concen: 4.630 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tgt Ion:	97	Resp:	97309
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.2	82.0
83	91.0	62.2	115.6
85	60.1	41.5	77.1

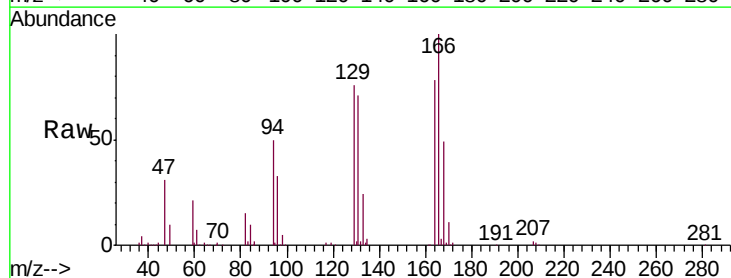


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

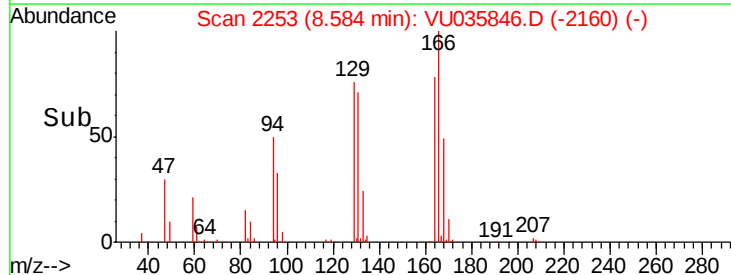
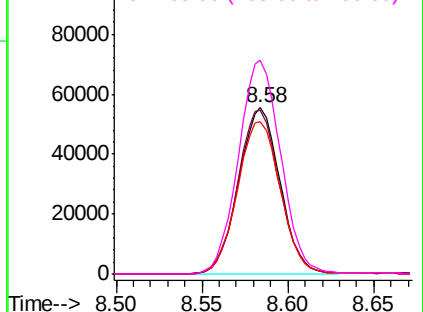


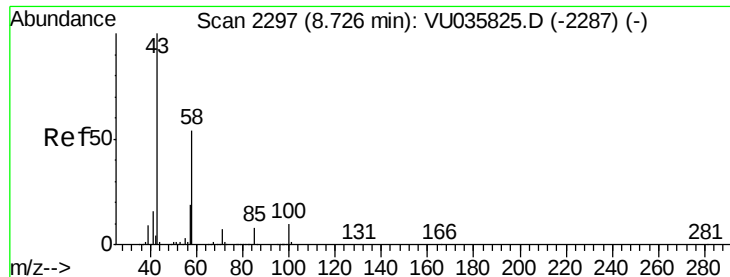
#47
 Tetrachloroethene
 Concen: 4.387 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

Tgt Ion:	164	Resp:	93083
Ion	Ratio	Lower	Upper
164	100		
129	98.3	68.8	127.8
131	91.5	67.3	124.9
166	128.5	91.6	170.2



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

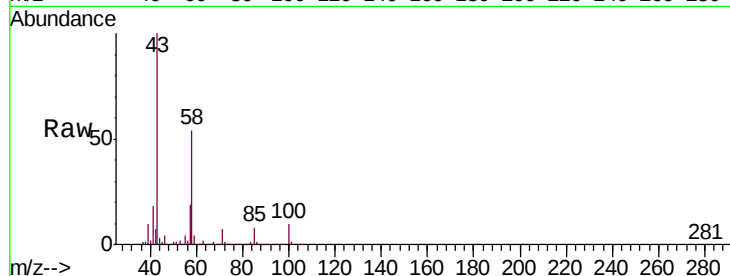




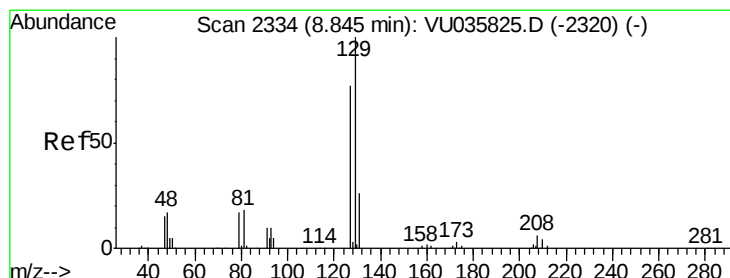
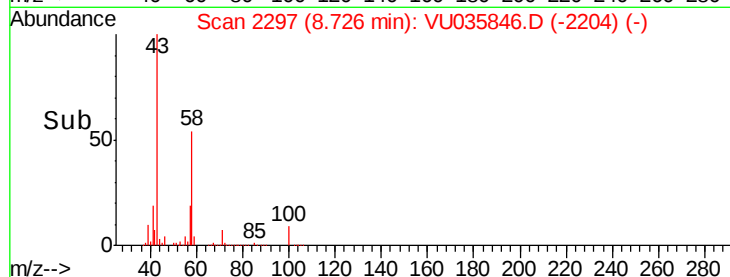
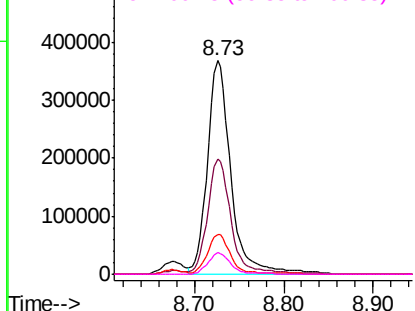
#48
2-Hexanone
Concen: 46.052 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tgt Ion:	43	Resp:	671427
Ion	Ratio	Lower	Upper
43	100		
58	54.5	39.8	59.8
57	17.8	14.0	21.0
100	9.5	7.2	10.8

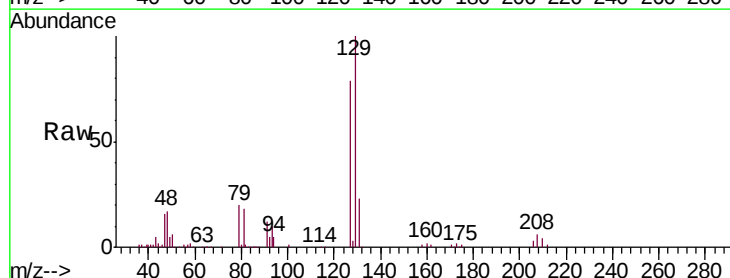


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

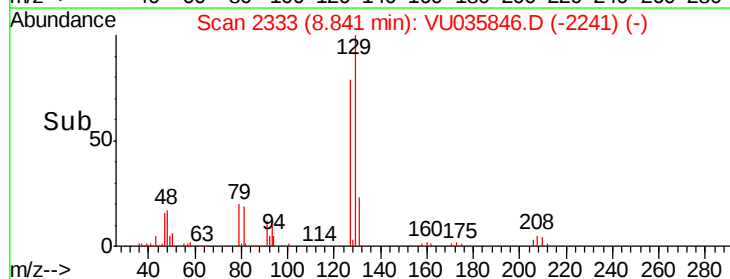
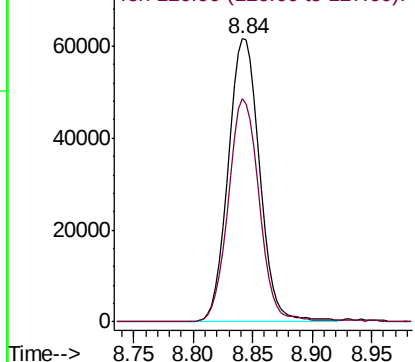


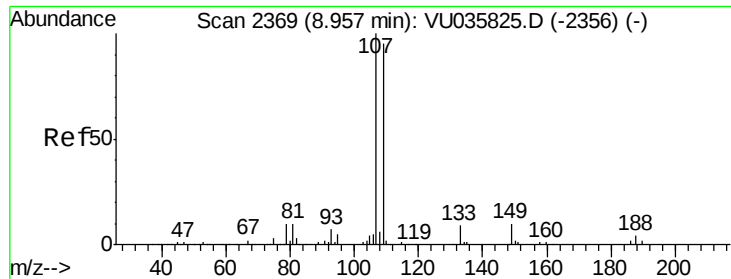
#49
Dibromochloromethane
Concen: 4.566 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

Tgt Ion:	129	Resp:	113210
Ion	Ratio	Lower	Upper
129	100		
127	78.8	53.1	98.5



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

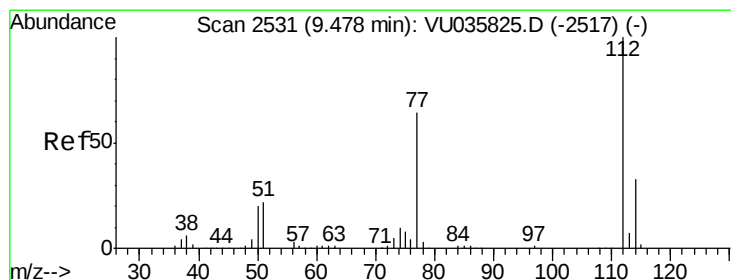
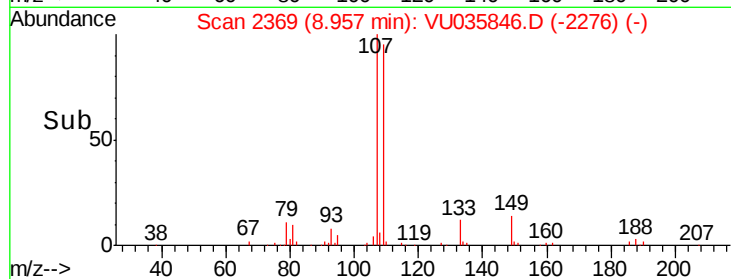
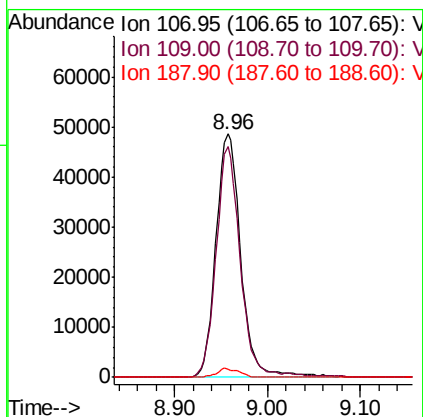
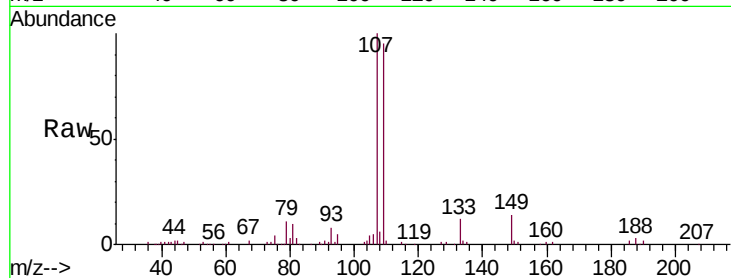




#50
1,2-Dibromoethane
Concen: 4.709 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

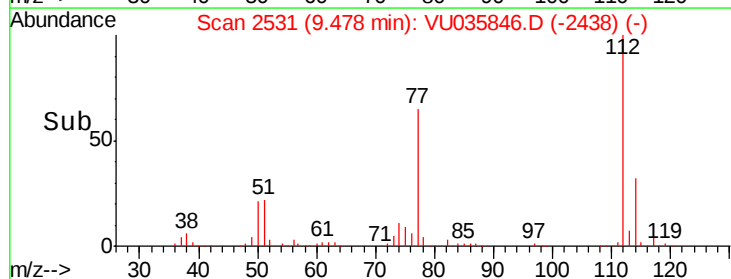
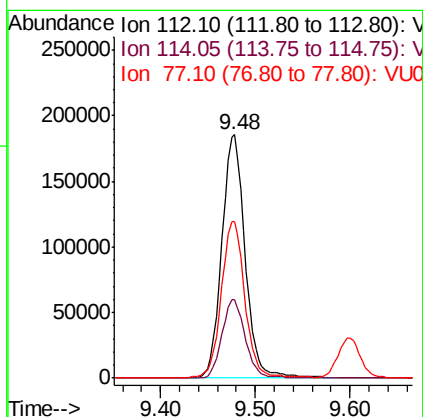
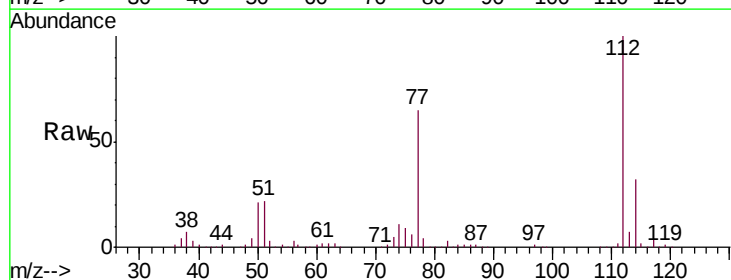
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

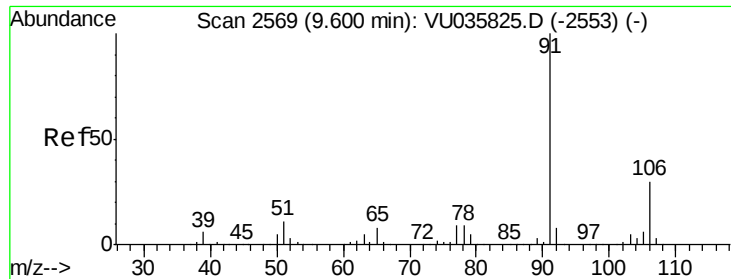
Tgt Ion:107 Resp: 90569
Ion Ratio Lower Upper
107 100
109 94.7 62.6 116.3
188 3.4 2.8 4.2



#51
Chlorobenzene
Concen: 4.345 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

Tgt Ion:112 Resp: 318397
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 64.6 50.1 75.1





#52

Ethylbenzene

Concen: 4.274 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

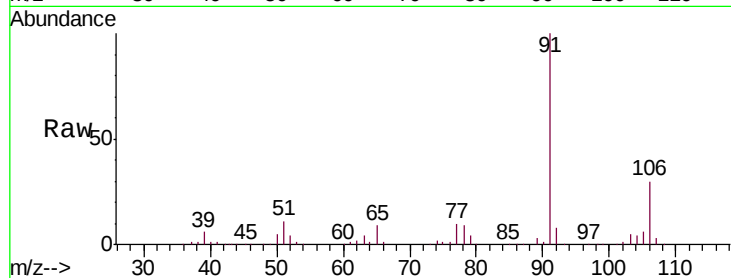
VSTD00510

Tgt Ion: 91 Resp: 522817

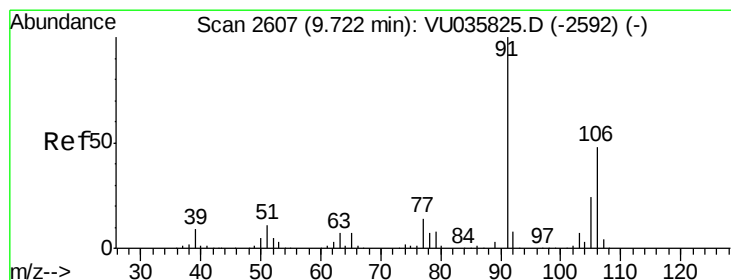
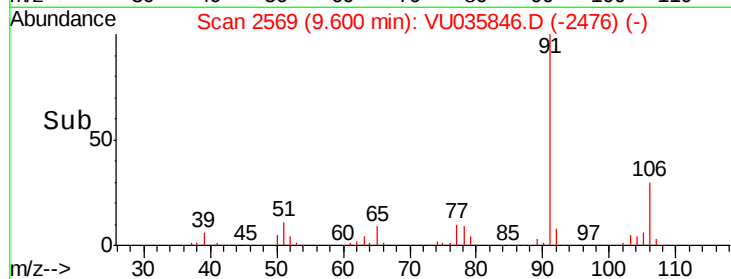
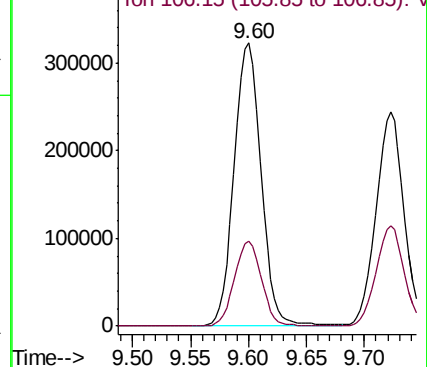
Ion Ratio Lower Upper

91 100

106 30.0 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU035825.D (-2553) (-)



#53

m,p-Xylene

Concen: 4.545 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035846.D

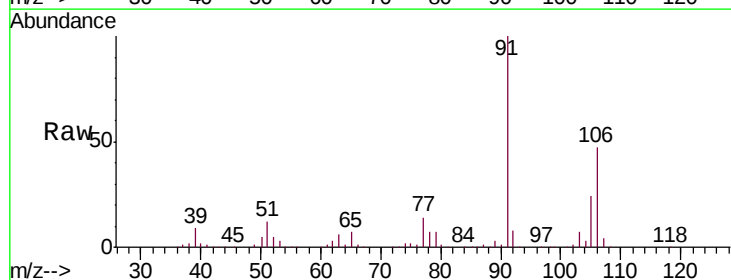
Acq: 26 Nov 2019 09:17

Tgt Ion: 106 Resp: 196020

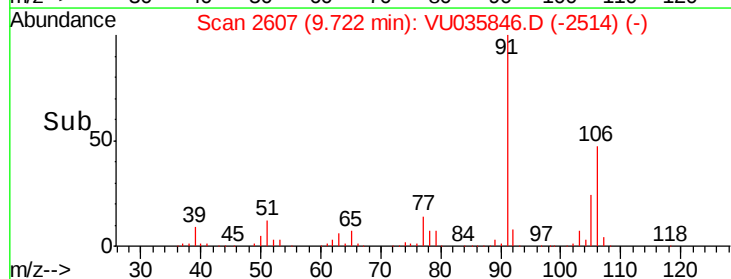
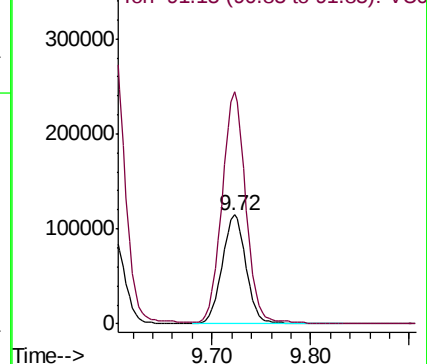
Ion Ratio Lower Upper

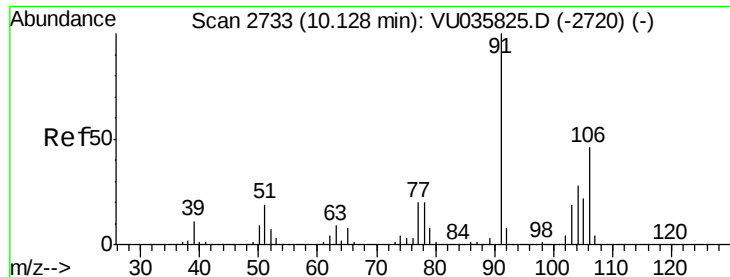
106 100

91 212.7 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): VU035825.D (-2592) (-)

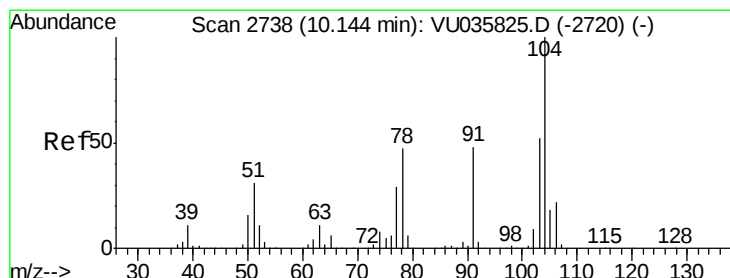
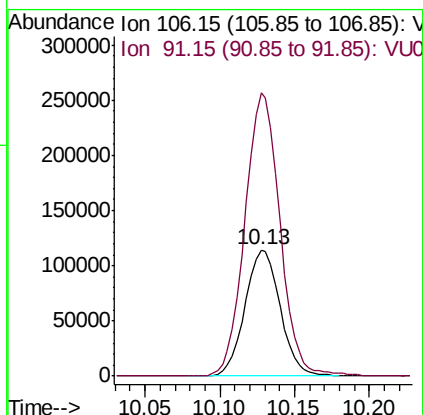
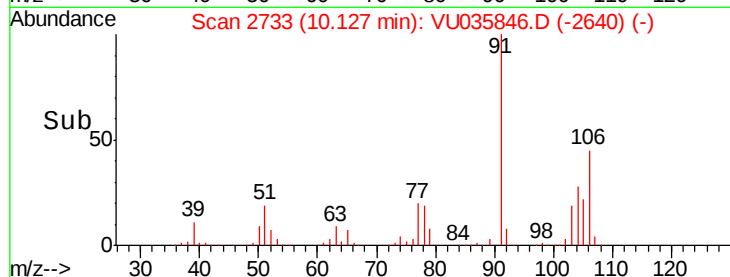
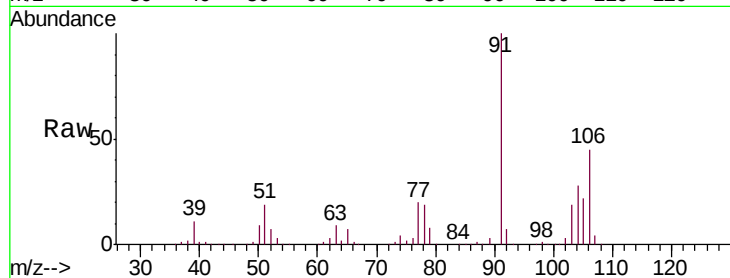




#54
o-Xylene
Concen: 4.480 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

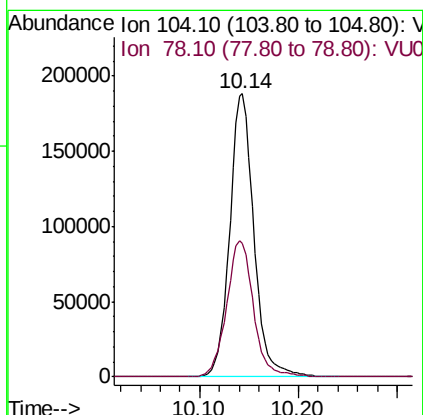
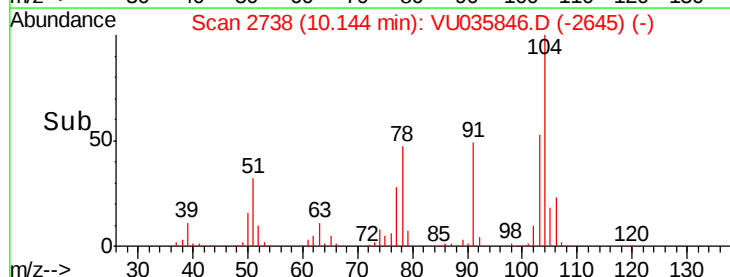
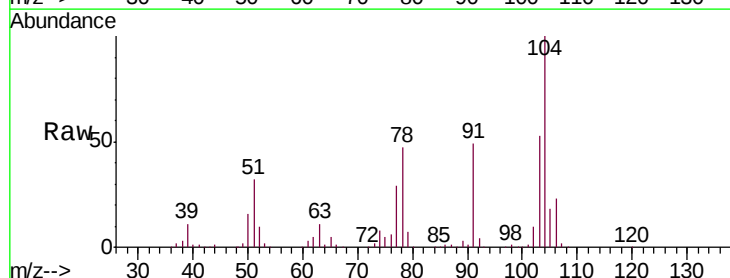
Instrument :
MSVOA_U
ClientSampled :
VSTD00510

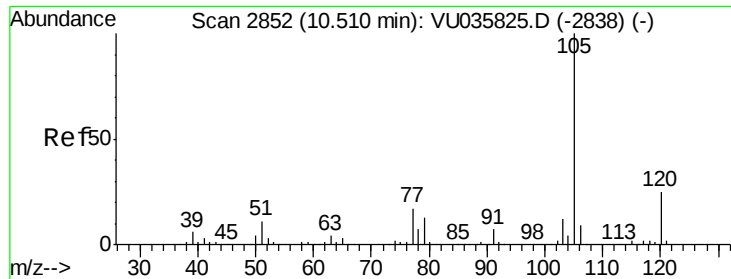
Tgt Ion:106 Resp: 187644
Ion Ratio Lower Upper
106 100
91 224.5 153.6 285.2



#55
Styrene
Concen: 4.647 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035846.D
Acq: 26 Nov 2019 09:17

Tgt Ion:104 Resp: 322836
Ion Ratio Lower Upper
104 100
78 47.2 33.9 62.9





#56

Isopropylbenzene

Concen: 4.440 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

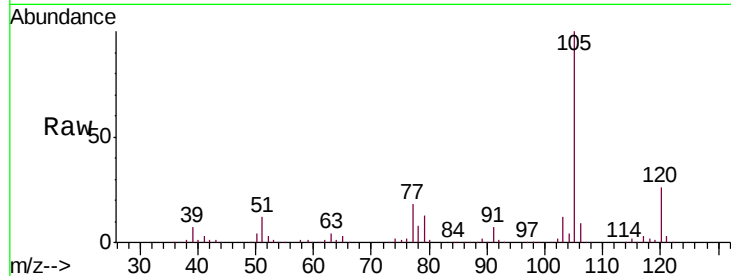
Tgt Ion: 105 Resp: 491352

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.2

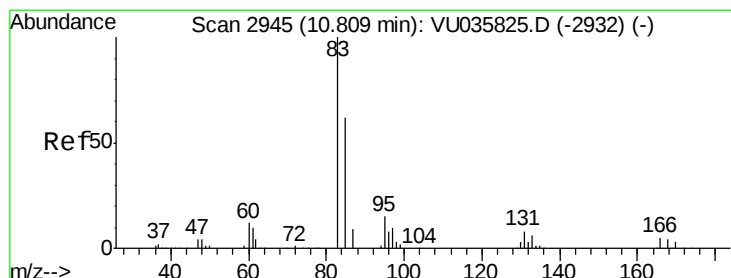
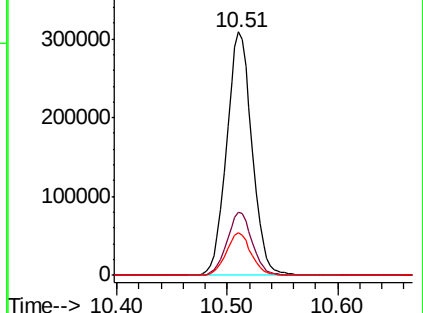
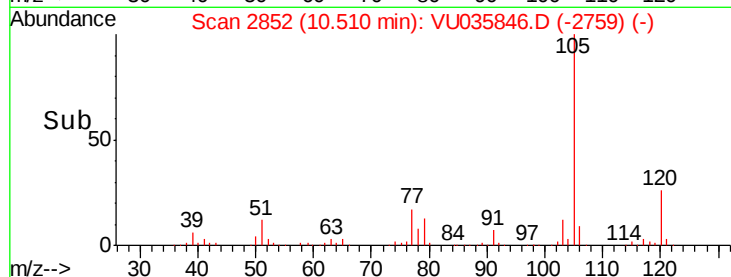
77 17.3 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.466 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

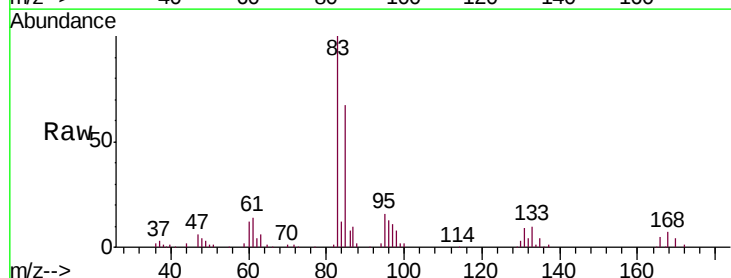
Tgt Ion: 83 Resp: 129897

Ion Ratio Lower Upper

83 100

85 66.8 44.6 82.8

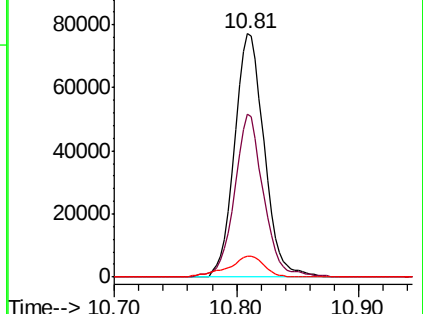
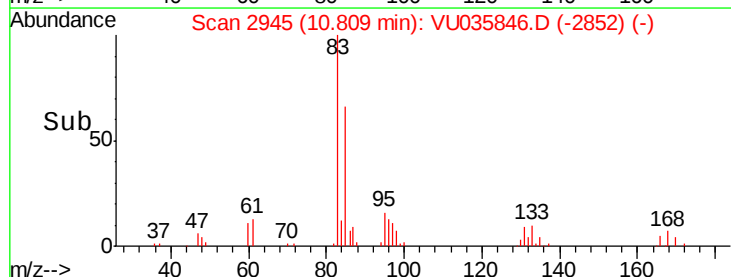
131 8.8 6.9 10.3

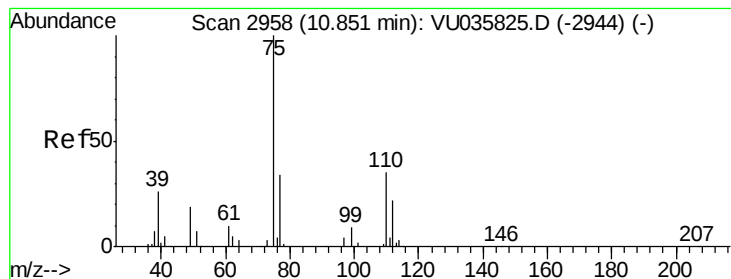


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.510 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

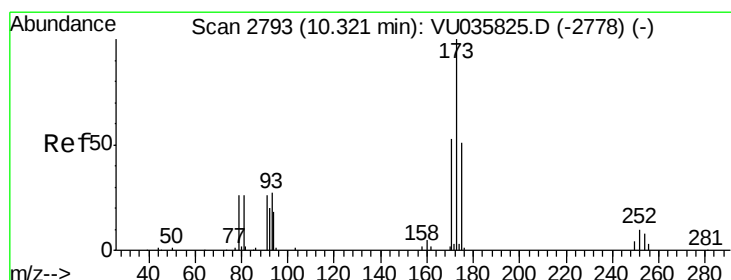
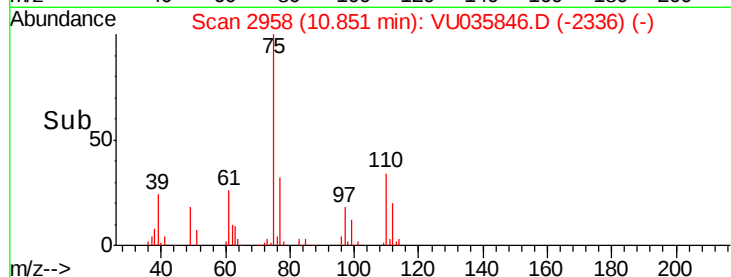
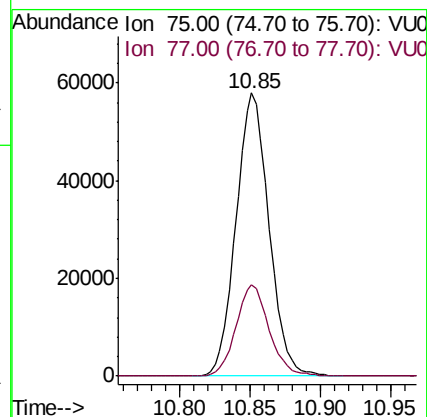
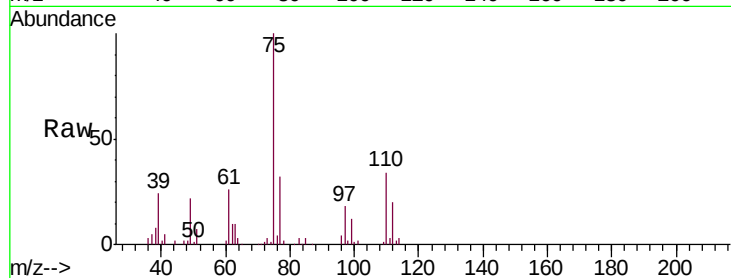
VSTD00510

Tgt Ion: 75 Resp: 94586

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



#61

Bromoform

Concen: 4.340 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

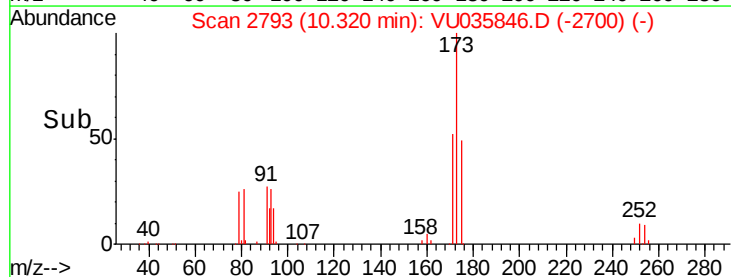
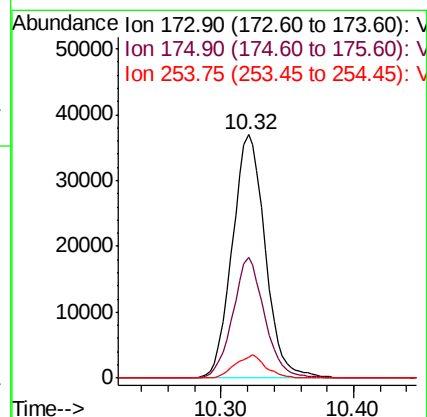
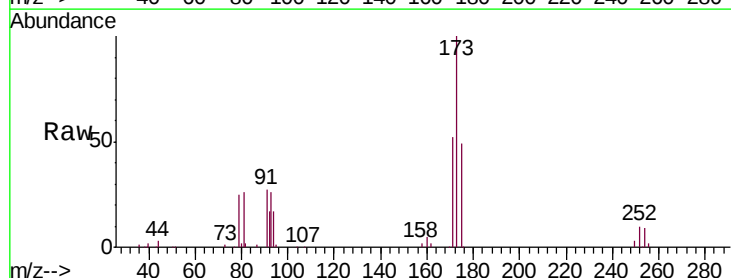
Tgt Ion: 173 Resp: 63735

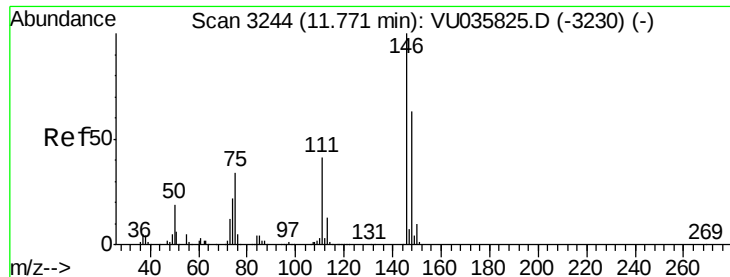
Ion Ratio Lower Upper

173 100

175 48.0 40.1 60.1

254 8.8 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 4.557 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

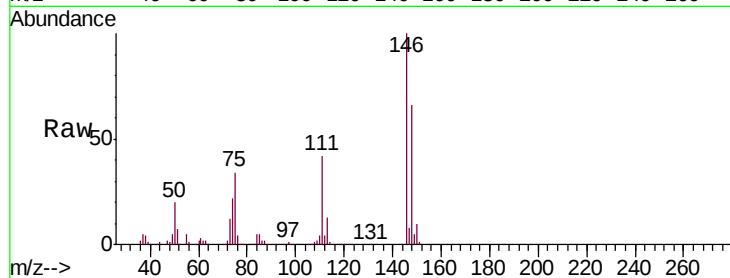
Tgt Ion:146 Resp: 239041

Ion Ratio Lower Upper

146 100

111 41.8 29.5 54.7

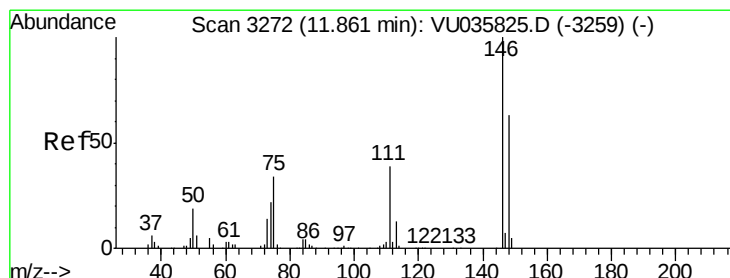
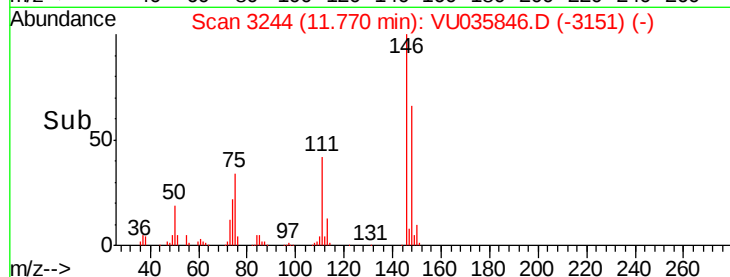
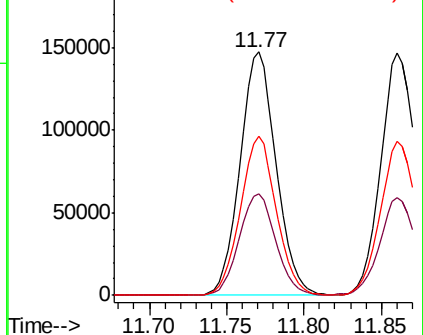
148 65.6 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.585 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

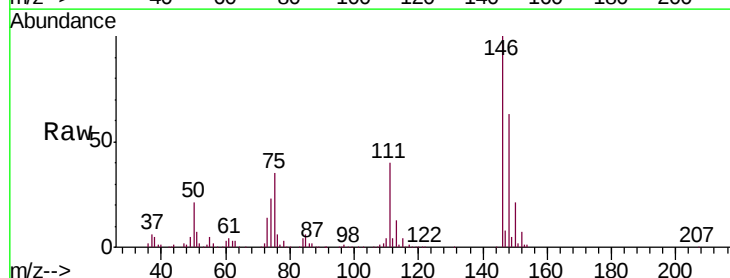
Tgt Ion:146 Resp: 236809

Ion Ratio Lower Upper

146 100

111 40.4 27.9 51.7

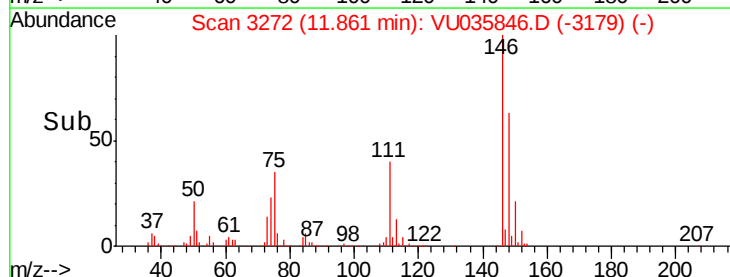
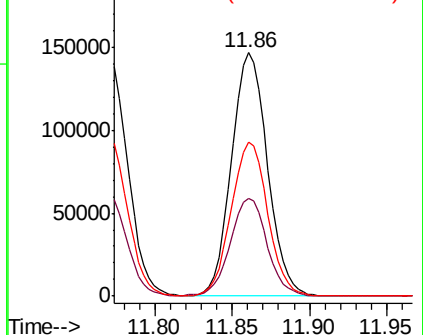
148 63.4 44.2 82.2

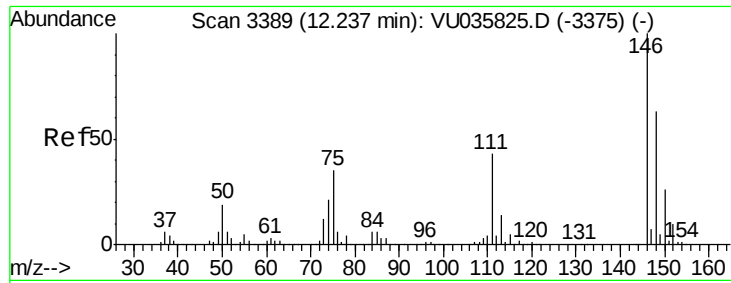


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.613 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

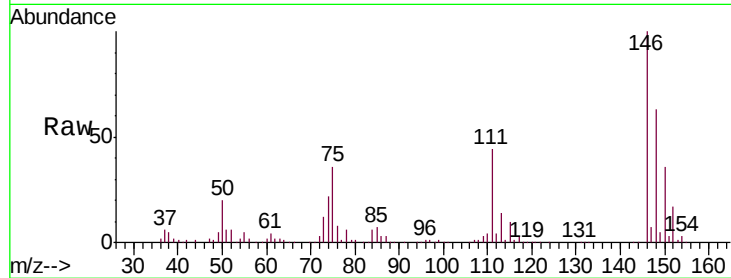
Tgt Ion:146 Resp: 230889

Ion Ratio Lower Upper

146 100

111 43.7 35.4 53.0

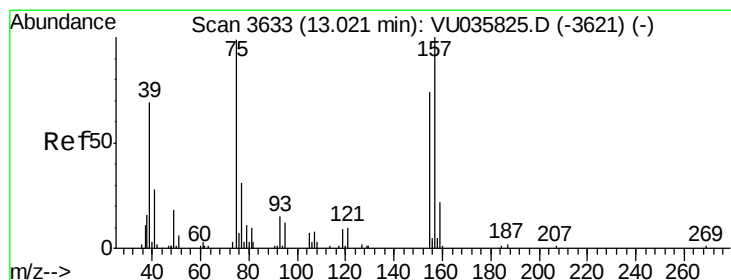
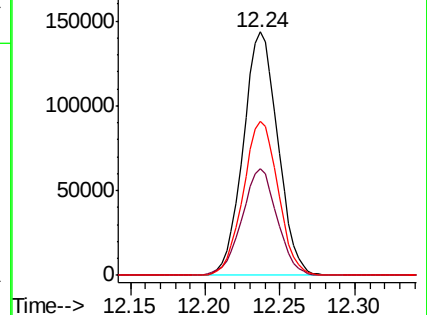
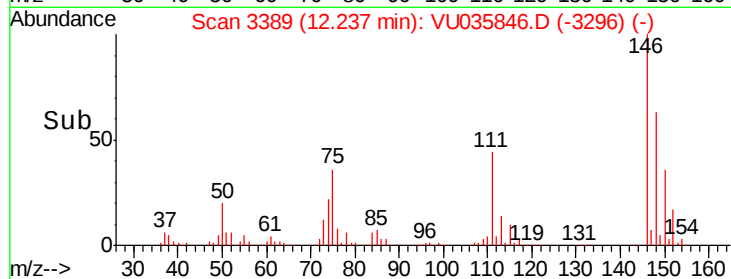
148 63.4 50.8 76.2



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: 4.333 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

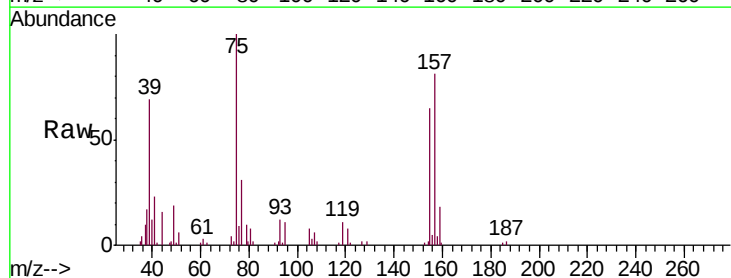
Tgt Ion: 75 Resp: 17945

Ion Ratio Lower Upper

75 100

155 65.3 55.4 83.2

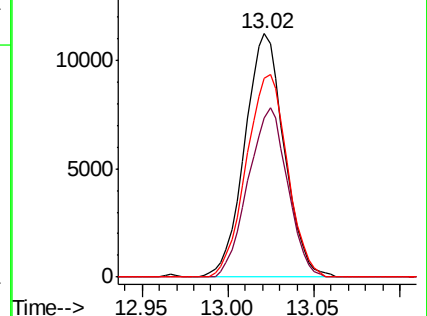
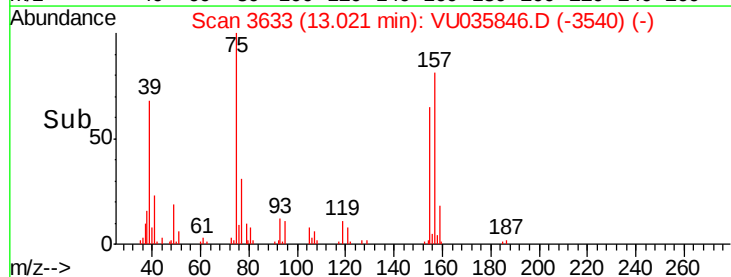
157 81.5 69.4 104.2

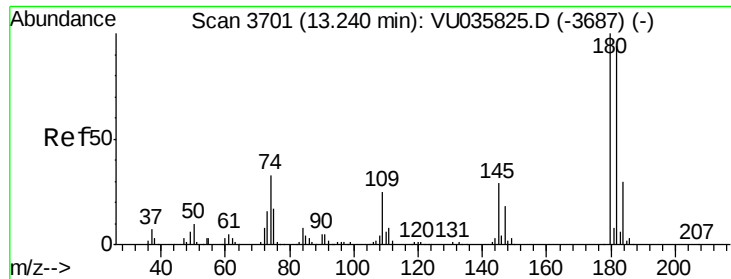


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

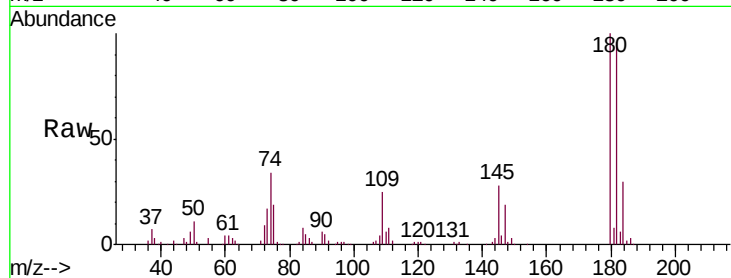




#67
 1,3,5-Trichlorobenzene
 Concen: 5.115 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tgt Ion:	180	Resp:	161248
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.6	113.4
184	30.1	24.1	36.1
145	29.2	23.7	35.5



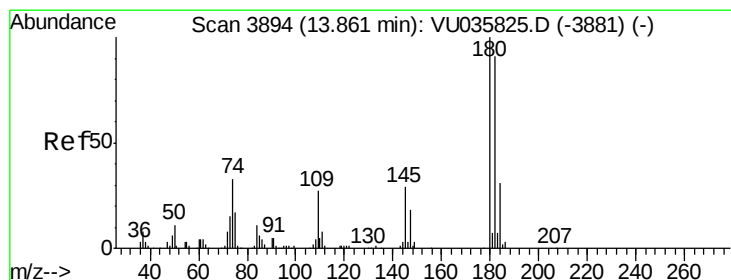
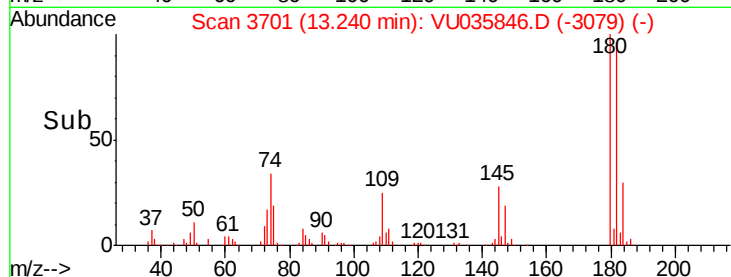
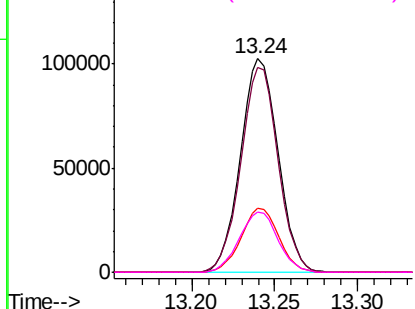
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

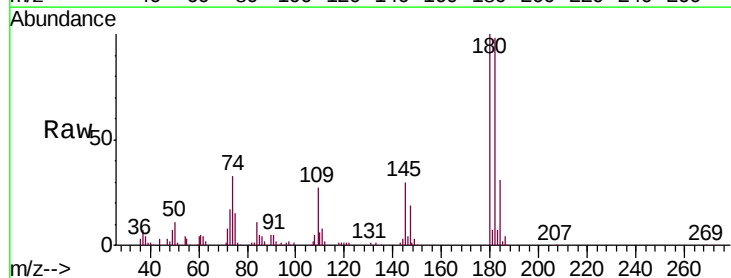
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.549 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035846.D
 Acq: 26 Nov 2019 09:17

Tgt Ion:	180	Resp:	82412
Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.1	112.7
145	29.8	24.0	36.0

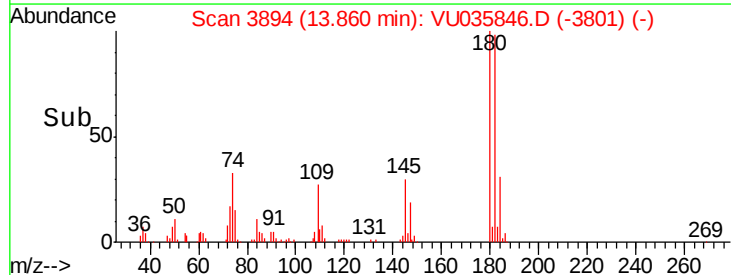
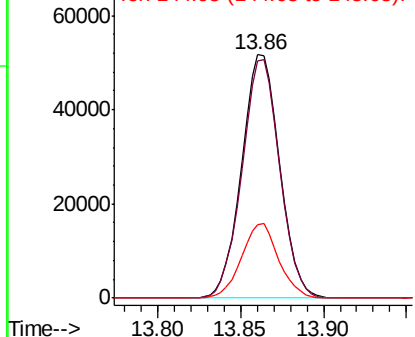


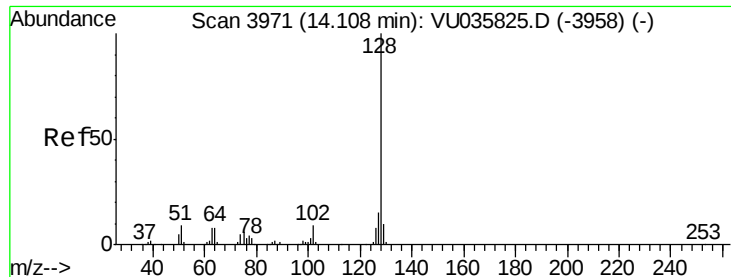
Abundance

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: 2.973 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

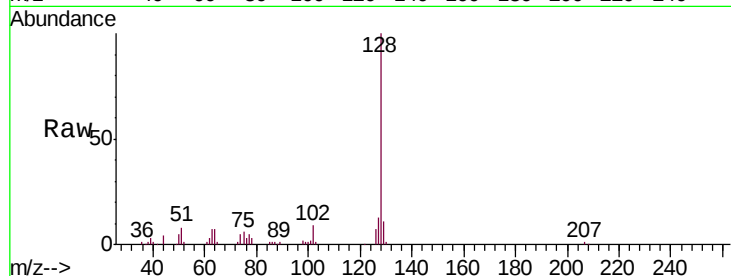
Tgt Ion:128 Resp: 75850

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

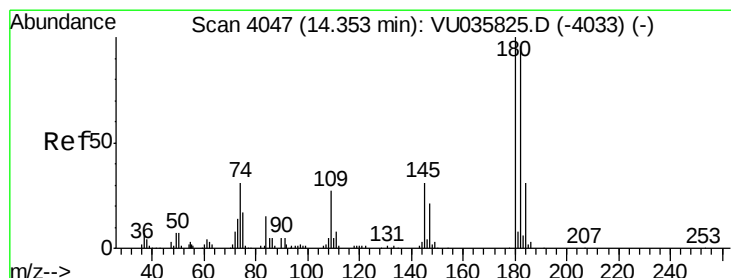
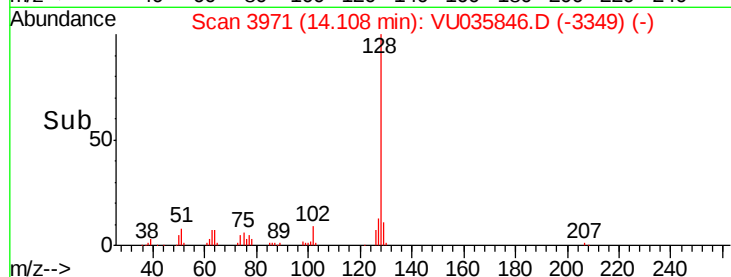
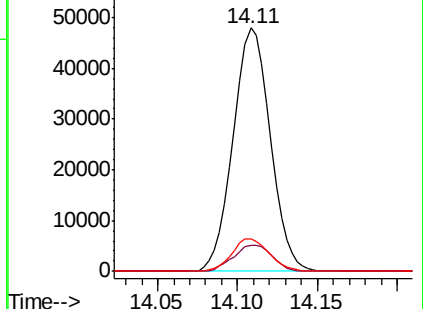
127 13.4 11.8 17.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.403 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035846.D

Acq: 26 Nov 2019 09:17

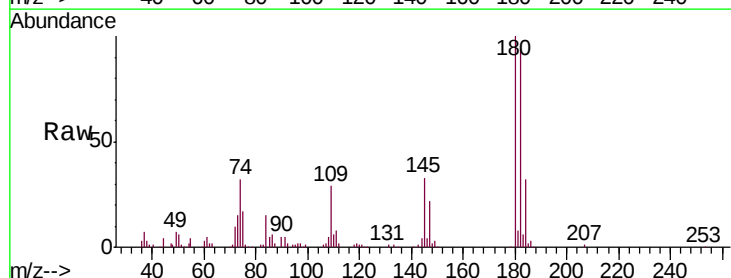
Tgt Ion:180 Resp: 77587

Ion Ratio Lower Upper

180 100

182 96.6 77.4 116.0

145 32.4 24.7 37.1



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

