

Data File : VU041316.D
Acq On : 18 Nov 2020 16:35
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Quant Time: Nov 19 00:46:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 18 11:30:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	61901	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	63786	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32830	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22225	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.92	69	20546	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.58	63	50140	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.60%
20) 2-Butanone-d5	4.66	46	91716	48.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.70%
24) Chloroform-d	5.08	84	56323	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.40%
26) 1,2-Dichloroethane-d4	5.72	65	33261	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.74	84	95507	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.00%
36) 1,2-Dichloropropane-d6	6.70	67	33202	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.90	98	92008	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
43) trans-1,3-Dichloropropene-	8.18	79	13658	5.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.00%
46) 2-Hexanone-d5	8.64	63	67713	49.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.42%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29324	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	33836	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	28366	5.552 ug/L	100
3) Chloromethane	1.52	50	28567	5.191 ug/L	99
5) Vinyl chloride	1.61	62	28656	5.333 ug/L	99
6) Bromomethane	1.86	94	13670	4.288 ug/L	96
8) Chloroethane	1.94	64	17888	5.015 ug/L	92
9) Trichlorofluoromethane	2.15	101	45666	5.456 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	25616	5.618 ug/L	98
12) 1,1-Dichloroethene	2.59	96	22250	5.522 ug/L	92
13) Acetone	2.67	43	60459	48.544 ug/L #	62
14) Carbon disulfide	2.80	76	57213	4.825 ug/L	98
15) Methyl Acetate	2.97	43	13658	5.279 ug/L	96
16) Methylene chloride	3.06	84	26906	5.326 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	58167	5.273 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	21557	5.493 ug/L	99
19) 1,1-Dichloroethane	3.88	63	48850	5.568 ug/L	98
21) 2-Butanone	4.74	43	88605	46.859 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	23827	5.376 ug/L	95

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ClientSampleId :
VSTD00527

Quant Time: Nov 19 00:46:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 18 11:30:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	12196	5.550	ug/L	92
25) Chloroform	5.10	83	52388	5.506	ug/L	99
27) 1,2-Dichloroethane	5.81	62	37070	5.419	ug/L	95
29) 1,1,1-Trichloroethane	5.33	97	44028	5.647	ug/L	96
30) Cyclohexane	5.40	56	31685	4.918	ug/L	96
31) Carbon tetrachloride	5.54	117	39212	5.800	ug/L	98
33) Benzene	5.79	78	97848	5.661	ug/L	100
34) Trichloroethene	6.55	95	24966	5.344	ug/L	98
35) Methylcyclohexane	6.77	83	31371	5.055	ug/L	99
37) 1,2-Dichloropropane	6.80	63	28704	5.681	ug/L	98
38) Bromodichloromethane	7.11	83	37487	5.676	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	36633	5.198	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	208335	49.826	ug/L	99
42) Toluene	7.97	91	105850	5.730	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	36211	5.432	ug/L	92
45) 1,1,2-Trichloroethane	8.40	97	21532	5.510	ug/L	94
47) Tetrachloroethene	8.56	164	18907	5.477	ug/L	96
48) 2-Hexanone	8.69	43	157703	50.525	ug/L	99
49) Dibromochloromethane	8.81	129	25941	5.602	ug/L	98
50) 1,2-Dibromoethane	8.93	107	19295	5.323	ug/L	98
51) Chlorobenzene	9.45	112	67871	5.547	ug/L	97
52) Ethylbenzene	9.57	91	106345	5.391	ug/L	99
53) m,p-Xylene	9.70	106	40187	5.637	ug/L	97
54) o-Xylene	10.10	106	39419	5.740	ug/L	97
55) Styrene	10.11	104	70816	5.823	ug/L	99
56) Isopropylbenzene	10.48	105	106781	5.870	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	27299	5.344	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	20432	5.128	ug/L	100
61) Bromoform	10.29	173	14671	4.880	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	53157	5.381	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	53078	5.215	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	51018	5.192	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	4633	5.079	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	35858	5.096	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	26734	4.574	ug/L	98
69) Naphthalene	14.08	128	40689	4.300	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	26124	4.813	ug/L	97

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

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

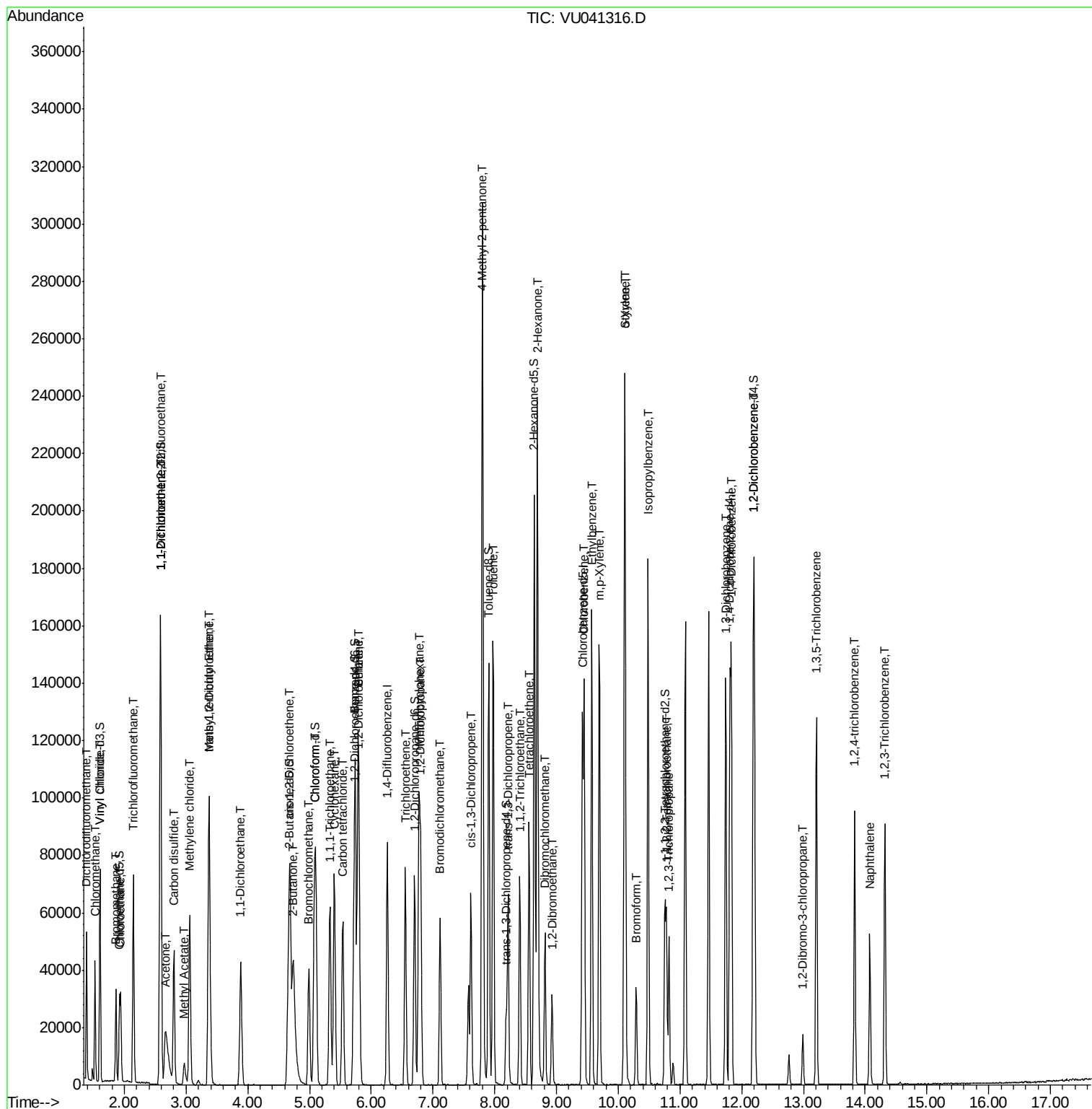
Quant Time: Nov 19 00:46:54 2020

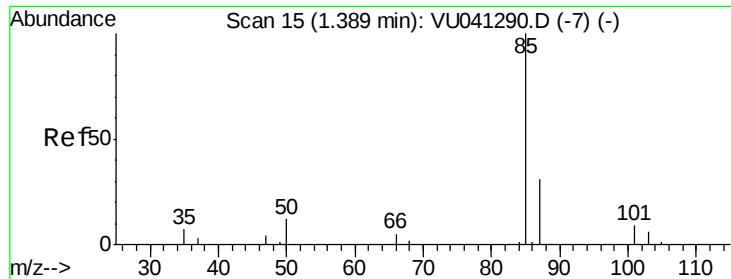
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR111620WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Nov 18 11:30:12 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.552 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

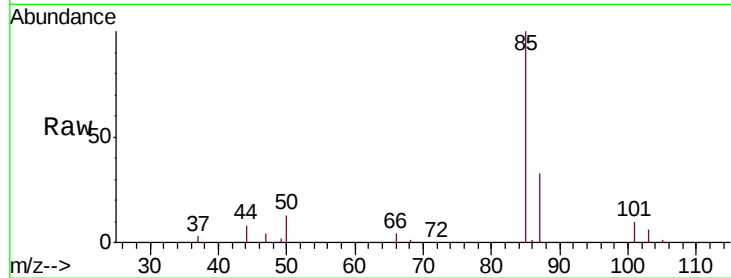
VSTD00527

Tgt Ion: 85 Resp: 28366

Ion Ratio Lower Upper

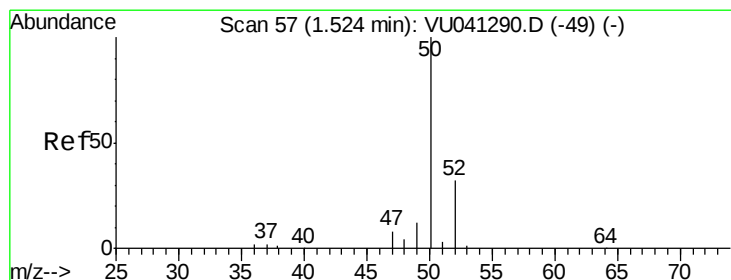
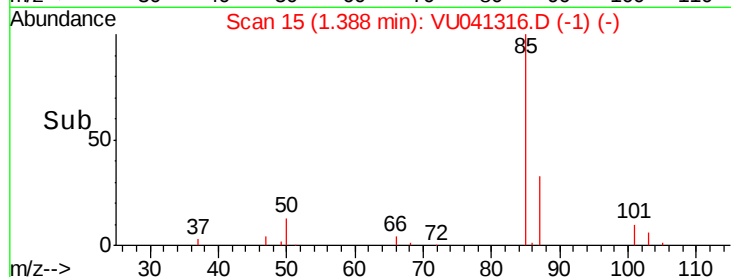
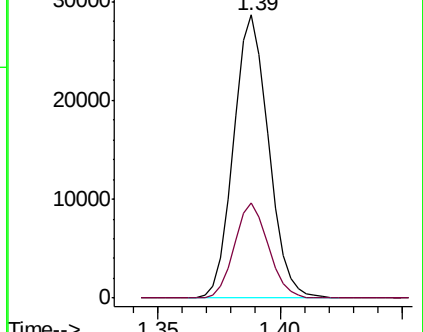
85 100

87 32.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041316.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU041316.D (-1) (-)



#3

Chloromethane

Concen: 5.191 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041316.D

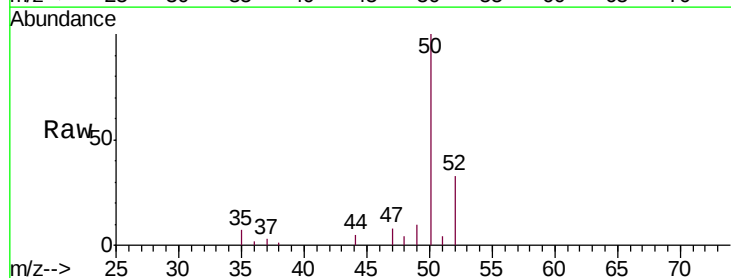
Acq: 18 Nov 2020 16:35

Tgt Ion: 50 Resp: 28567

Ion Ratio Lower Upper

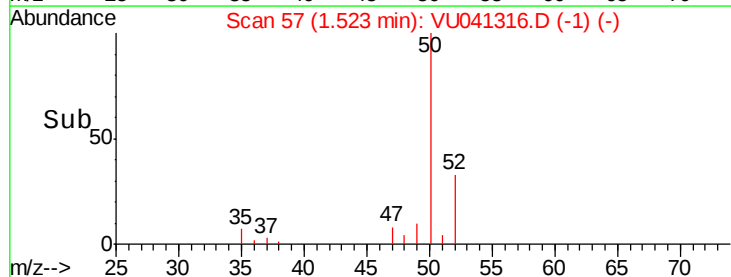
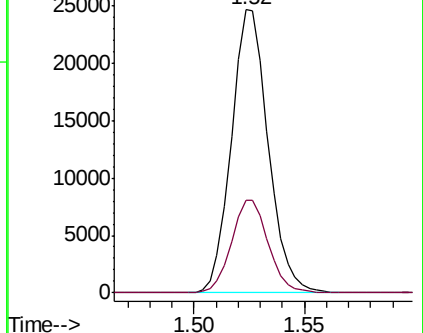
50 100

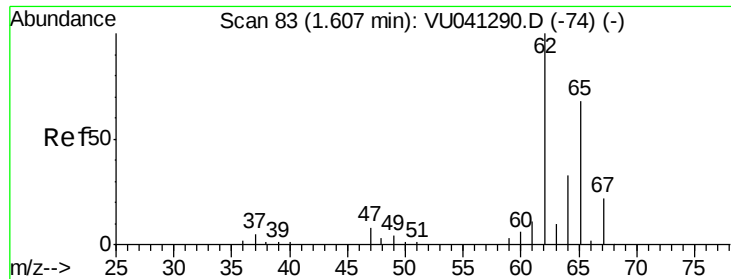
52 32.7 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041316.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041316.D (-1) (-)





#5

Vinyl chloride

Concen: 5.333 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

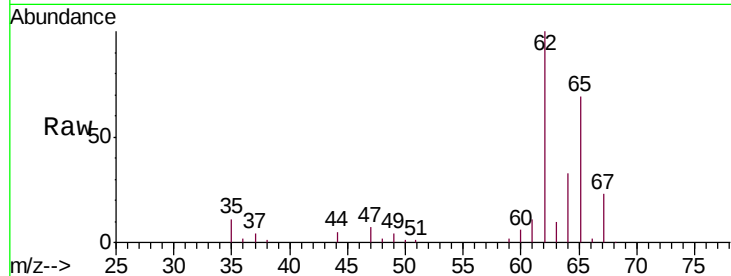
VSTD00527

Tgt Ion: 62 Resp: 28656

Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU041290.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU041290.D (-74) (-)

1.61

25000

20000

15000

10000

5000

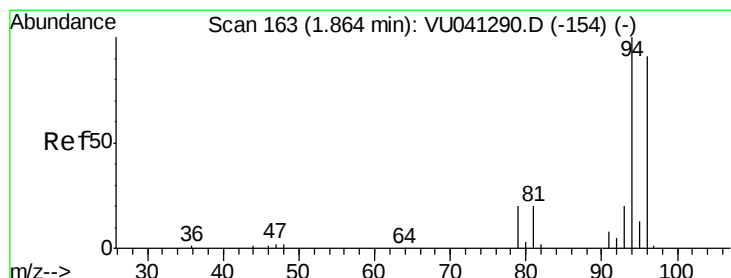
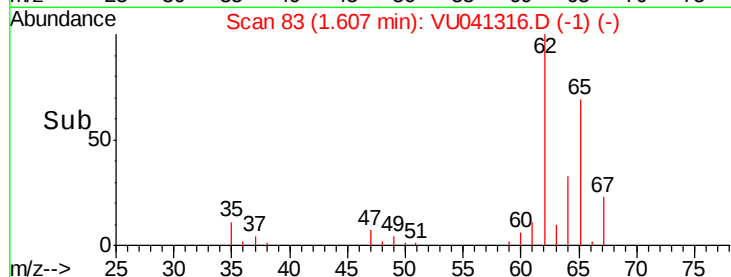
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Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 4.288 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041316.D

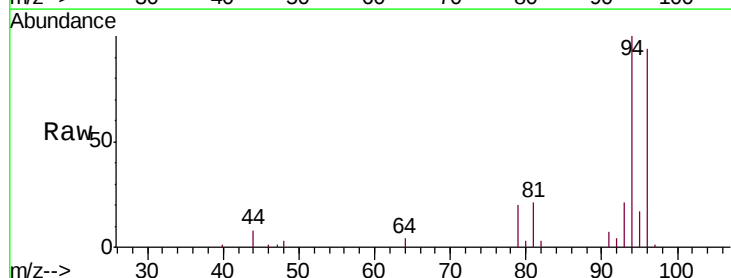
Acq: 18 Nov 2020 16:35

Tgt Ion: 94 Resp: 13670

Ion Ratio Lower Upper

94 100

96 94.3 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU041290.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041290.D (-154) (-)

1.86

12000

10000

8000

6000

4000

2000

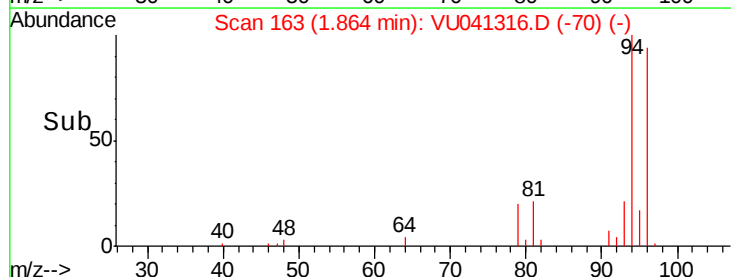
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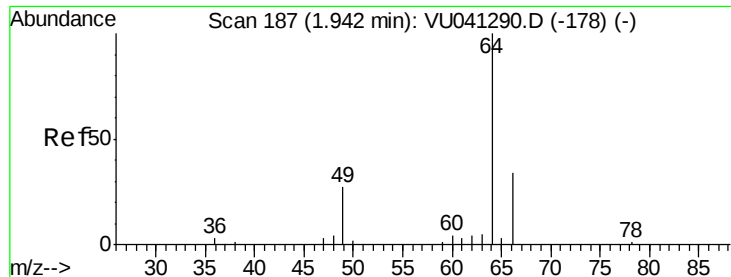
Time-->

1.80

1.85

1.90

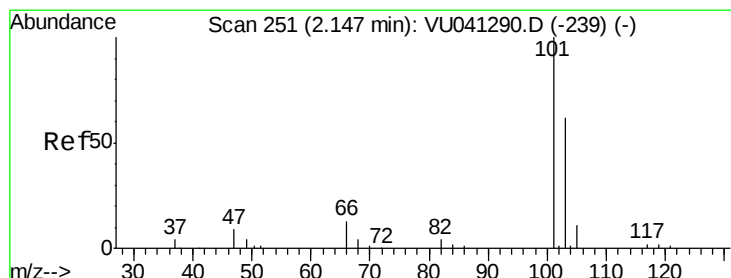
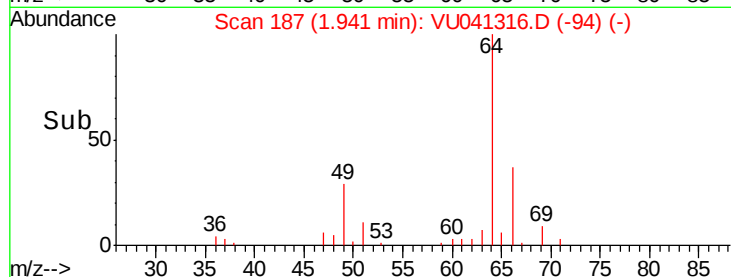
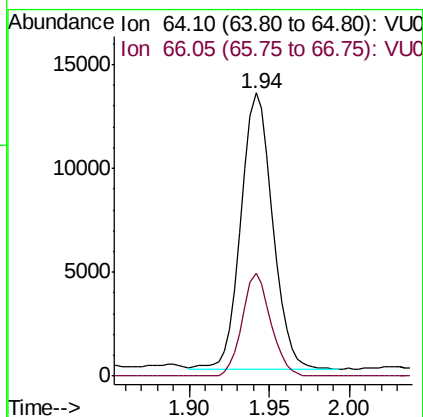
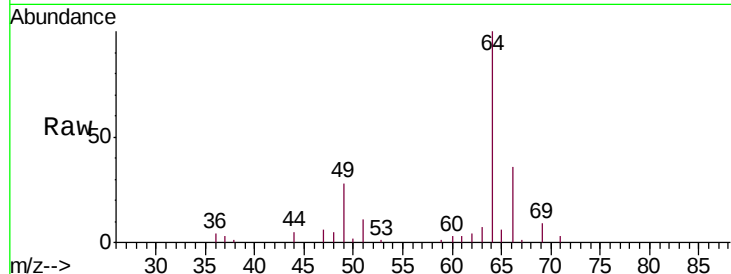




#8
Chloroethane
Concen: 5.015 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

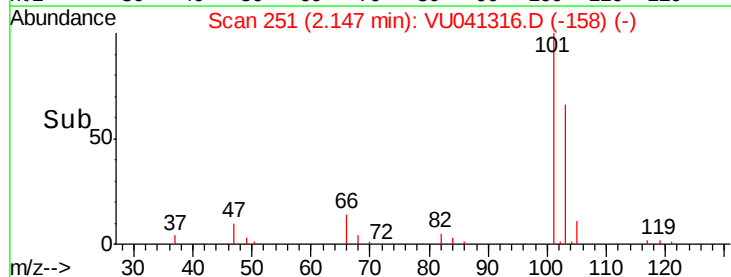
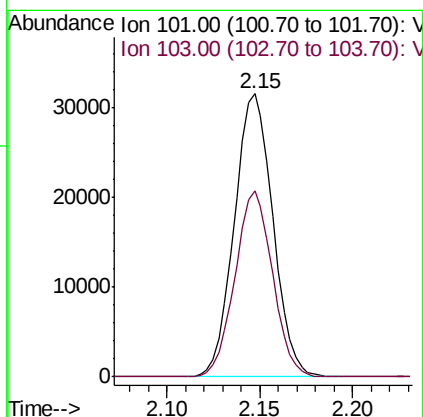
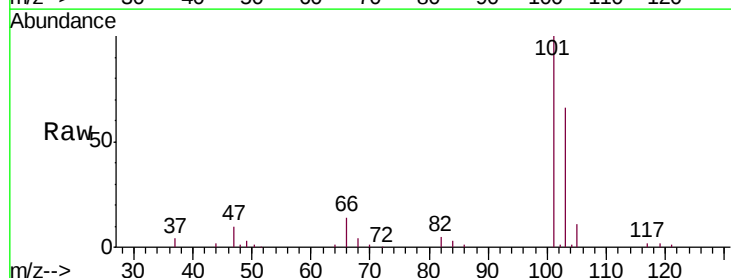
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

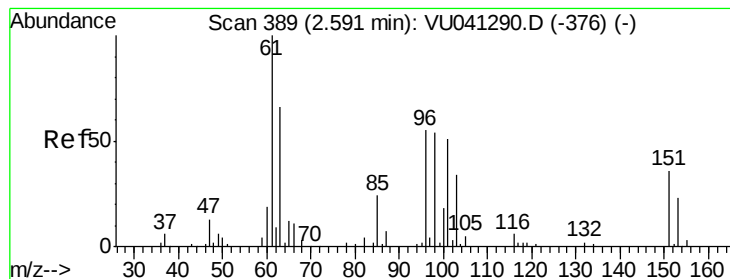
Tgt Ion: 64 Resp: 17888
Ion Ratio Lower Upper
64 100
66 36.3 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.456 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Tgt Ion: 101 Resp: 45666
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.4





#10

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

Concen: 5.618 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

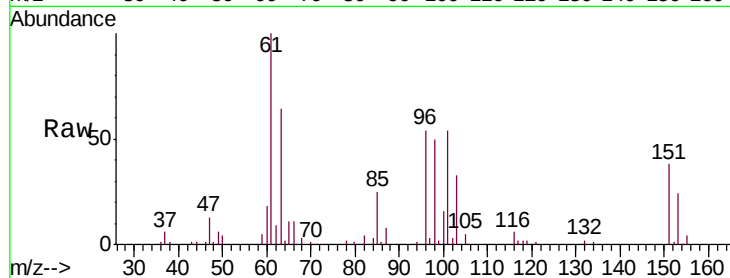
Tgt Ion: 101 Resp: 25616

Ion Ratio Lower Upper

101 100

85 46.5 35.0 52.4

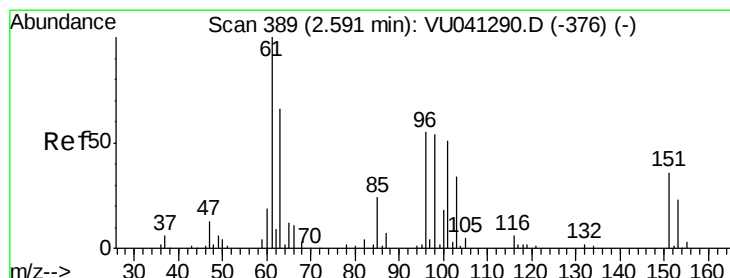
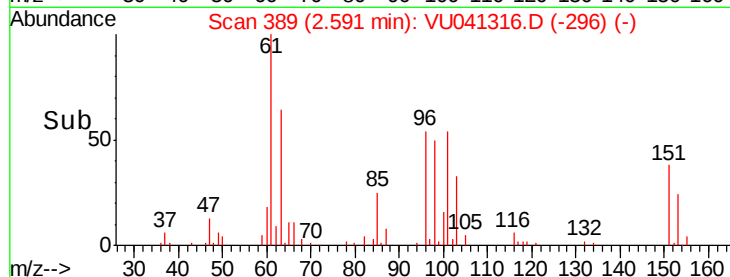
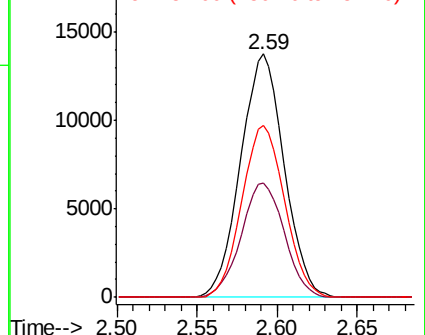
151 69.3 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.522 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

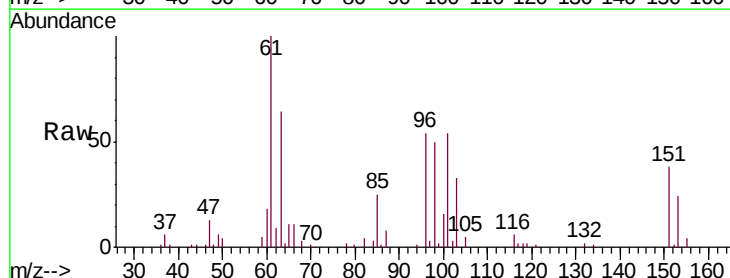
Tgt Ion: 96 Resp: 22250

Ion Ratio Lower Upper

96 100

61 186.1 134.3 249.5

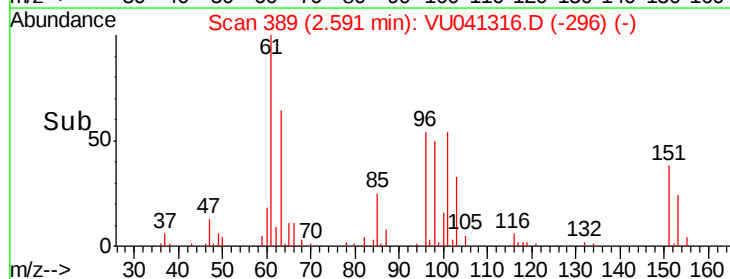
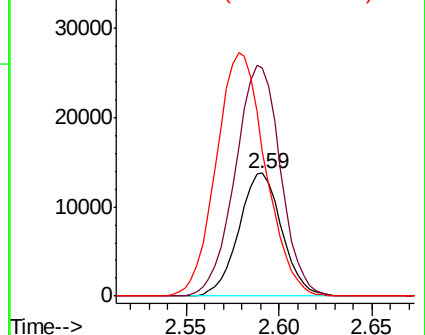
63 118.5 95.0 176.4

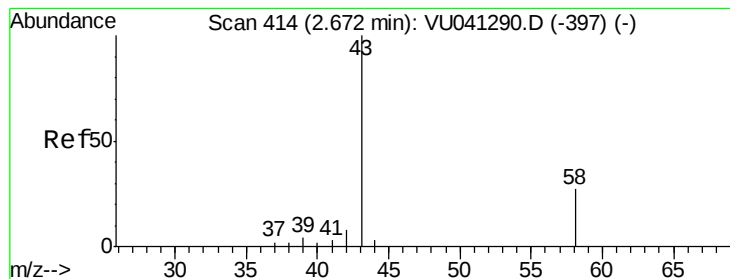


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.544 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

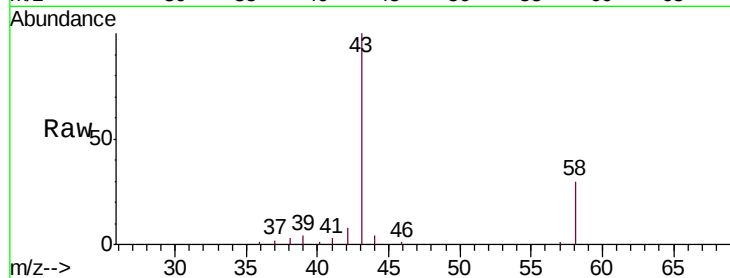
VSTD00527

Tgt Ion: 43 Resp: 60459

Ion Ratio Lower Upper

43 100

58 27.6 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041290.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU041290.D (-397) (-)

2.67

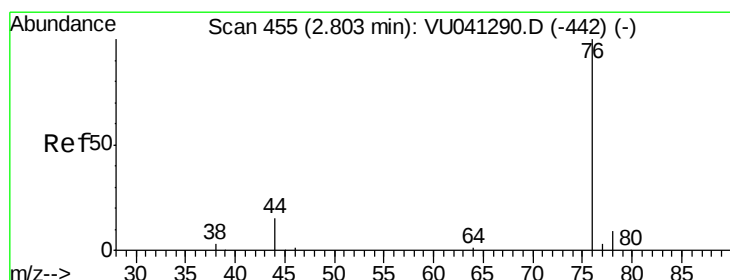
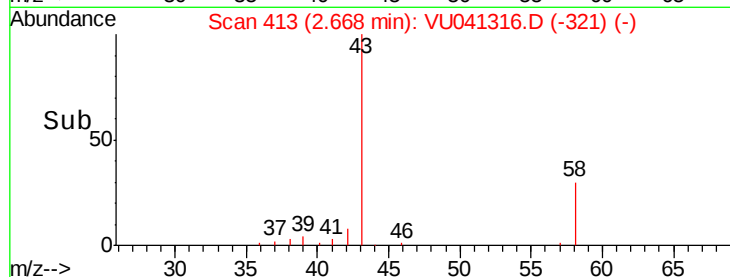
10000

5000

0

Time-->

2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 4.825 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041316.D

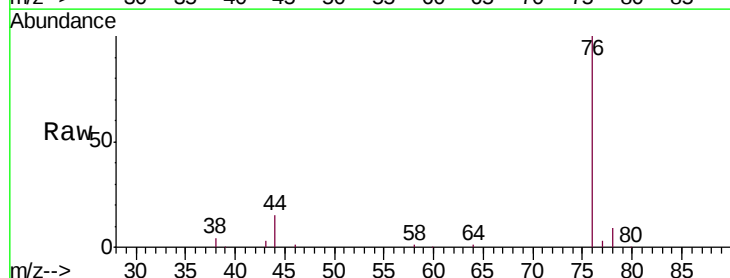
Acq: 18 Nov 2020 16:35

Tgt Ion: 76 Resp: 57213

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041290.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU041290.D (-442) (-)

40000

30000

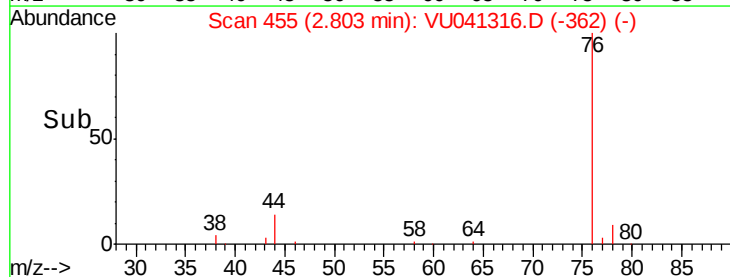
20000

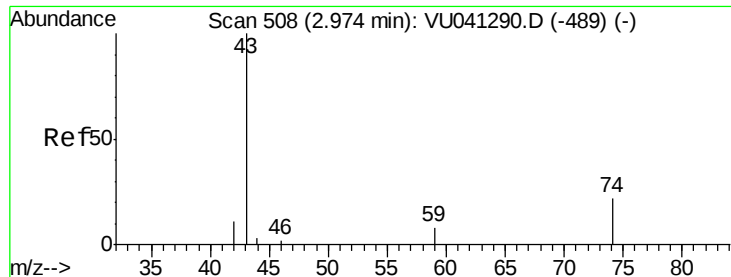
10000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methyl Acetate

Concen: 5.279 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

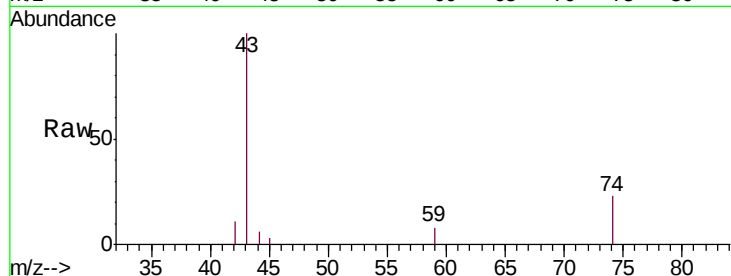
VSTD00527

Tgt Ion: 43 Resp: 13658

Ion Ratio Lower Upper

43 100

74 21.0 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VU041316.D (-415) (-)

Ion 74.05 (73.75 to 74.75): VU041316.D (-415) (-)

6000

5000

4000

3000

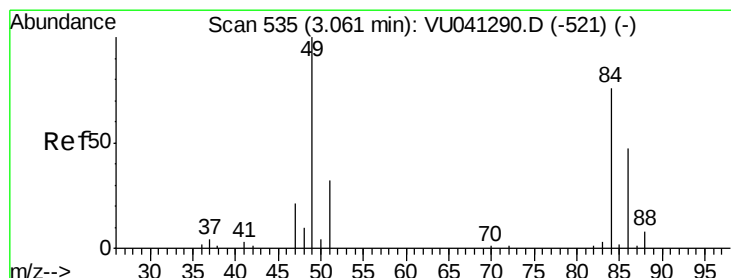
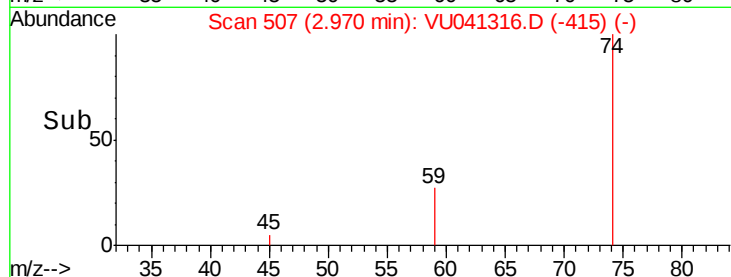
2000

1000

0

2.90 2.95 3.00 3.05

Time-->



#16

Methylene chloride

Concen: 5.326 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

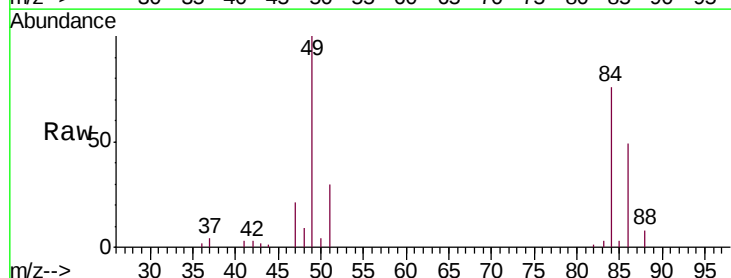
Tgt Ion: 84 Resp: 26906

Ion Ratio Lower Upper

84 100

86 64.3 42.8 79.6

49 131.2 99.5 184.7



Abundance Ion 84.05 (83.75 to 84.75): VU041316.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU041316.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU041316.D (-442) (-)

25000

20000

15000

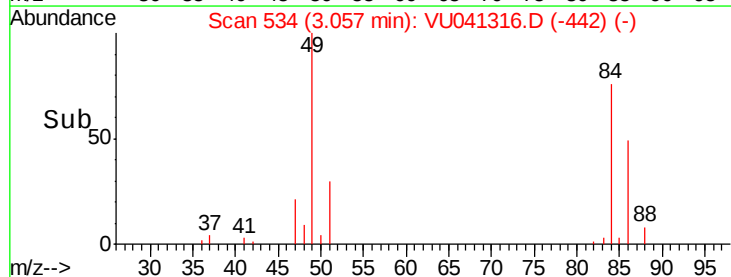
10000

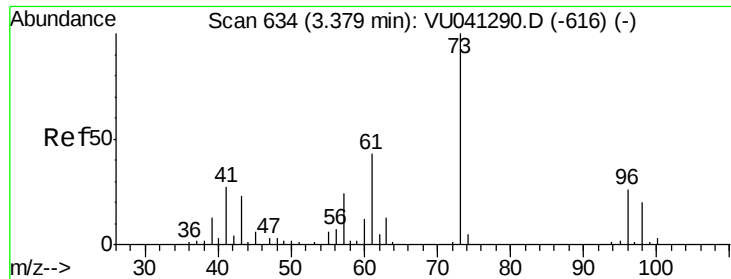
5000

0

3.00 3.05 3.10 3.15

Time-->

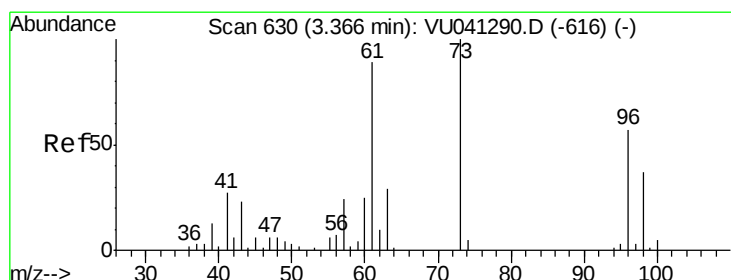
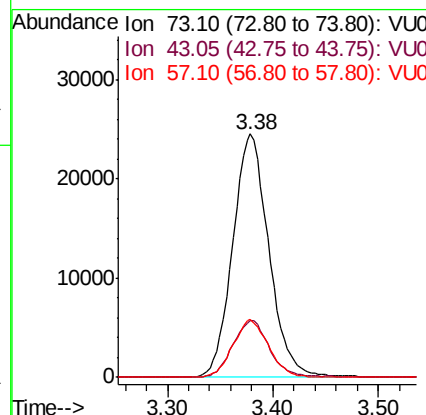
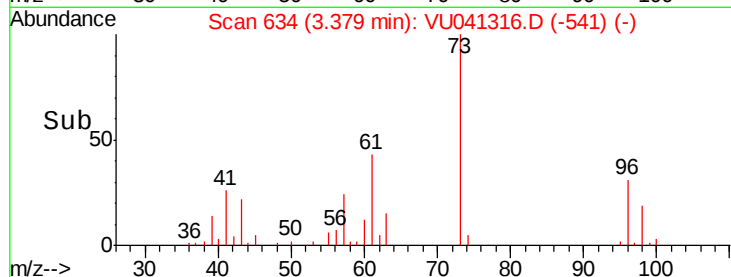
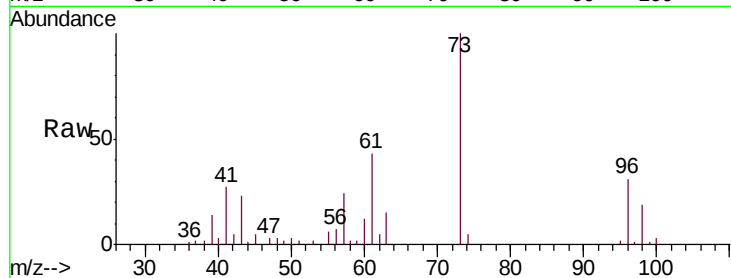




#17
Methyl tert-butyl Ether
Concen: 5.273 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

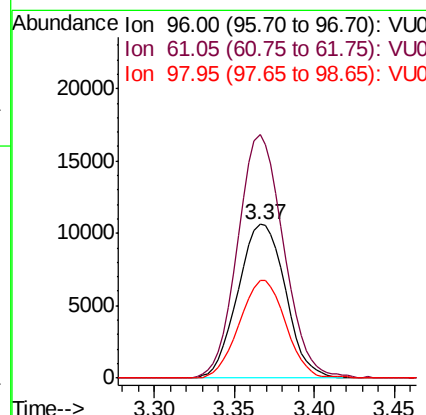
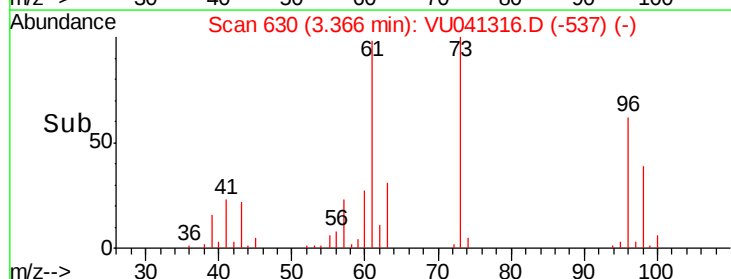
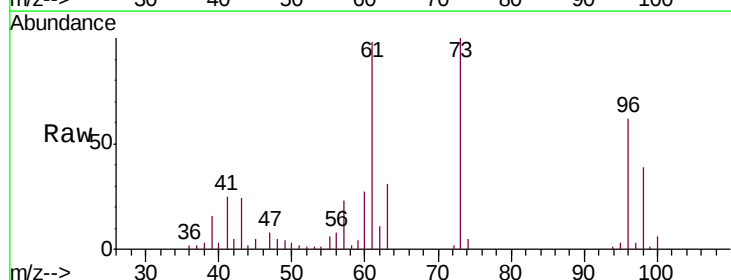
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

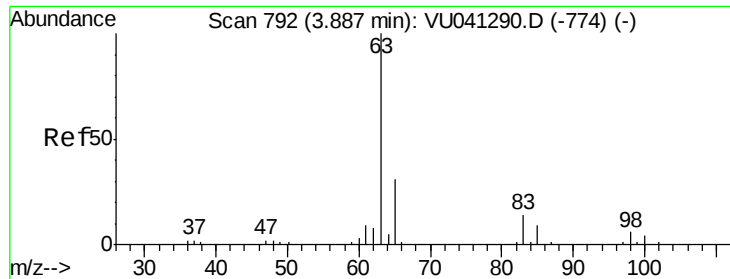
Tgt Ion: 73 Resp: 58167
Ion Ratio Lower Upper
73 100
43 23.8 18.5 27.7
57 23.2 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 5.493 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Tgt Ion: 96 Resp: 21557
Ion Ratio Lower Upper
96 100
61 158.3 110.9 205.9
98 63.2 45.4 84.2

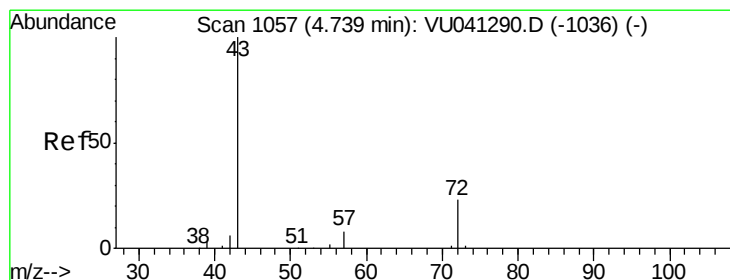
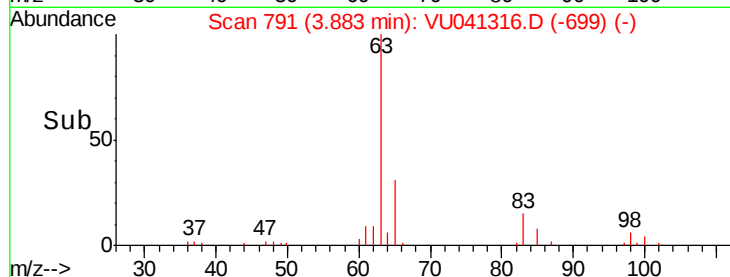
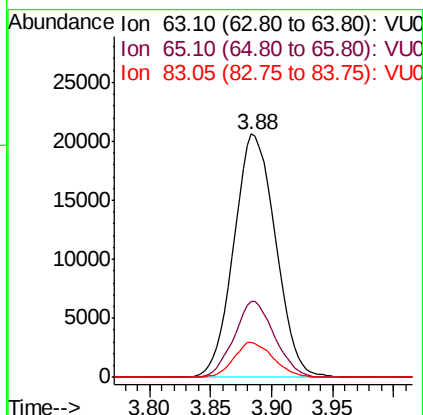
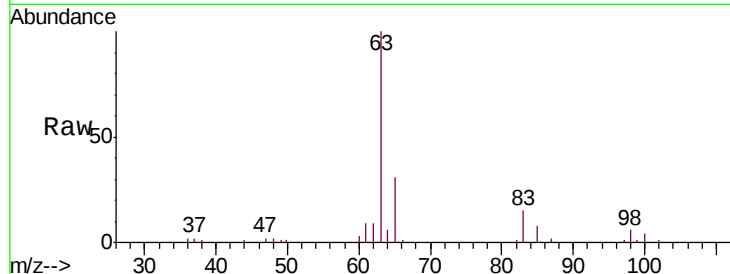




#19
 1,1-Dichloroethane
 Concen: 5.568 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

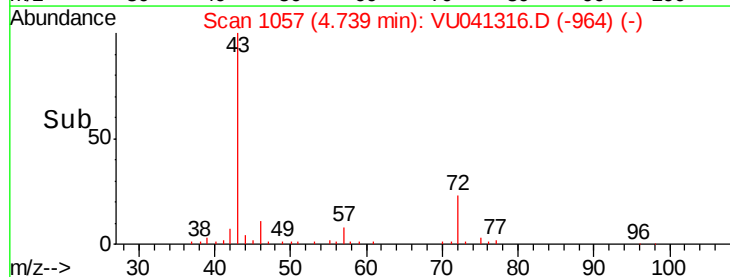
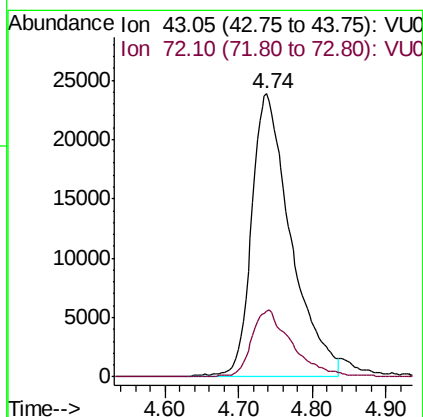
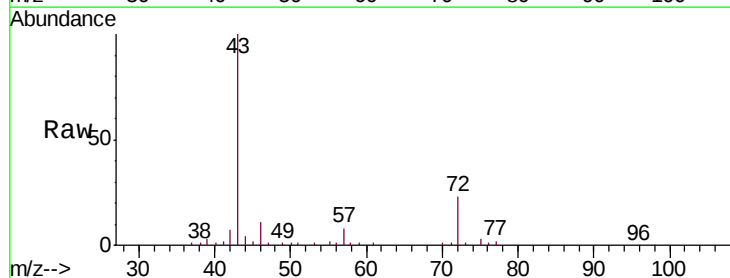
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

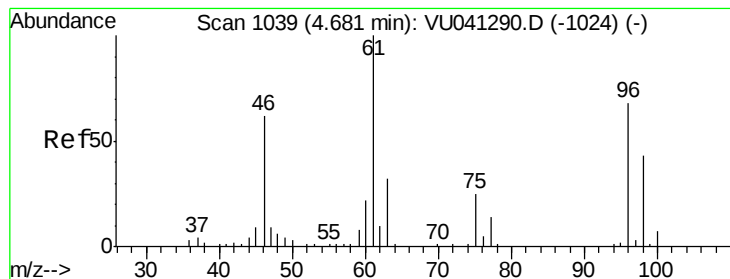
Tgt Ion: 63 Resp: 48850
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.3 39.6
 83 14.6 8.8 16.3



#21
 2-Butanone
 Concen: 46.859 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Tgt Ion: 43 Resp: 88605
 Ion Ratio Lower Upper
 43 100
 72 23.2 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 5.376 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

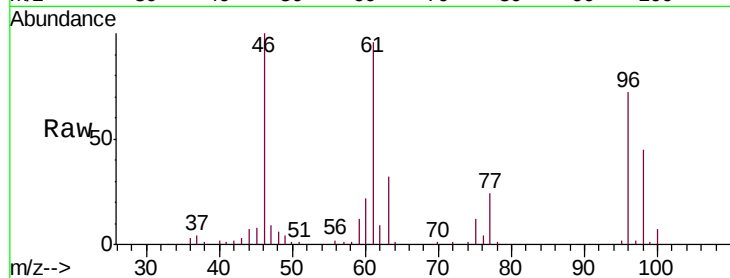
Tgt Ion: 96 Resp: 23827

Ion Ratio Lower Upper

96 100

61 132.9 97.2 180.4

68 0.0 0.0 0.0

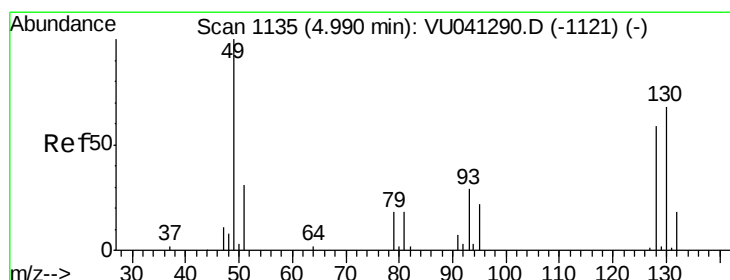
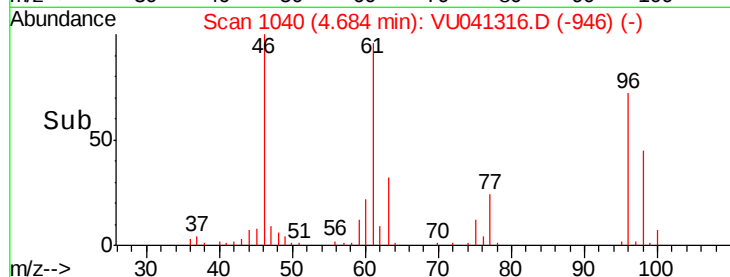
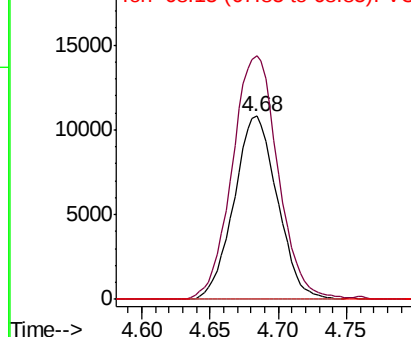


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.550 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Tgt Ion: 128 Resp: 12196

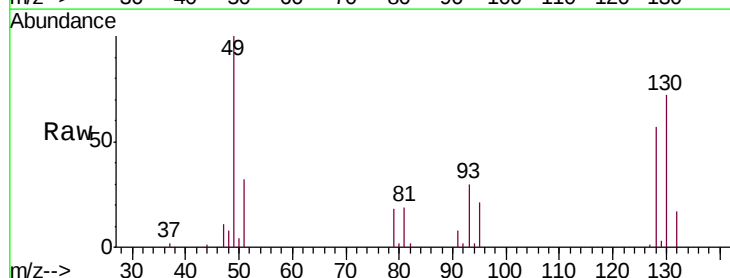
Ion Ratio Lower Upper

128 100

49 175.4 135.0 250.8

130 126.2 89.9 167.0

51 57.0 51.9 77.9



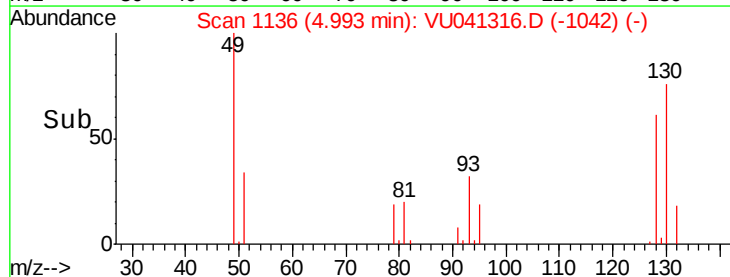
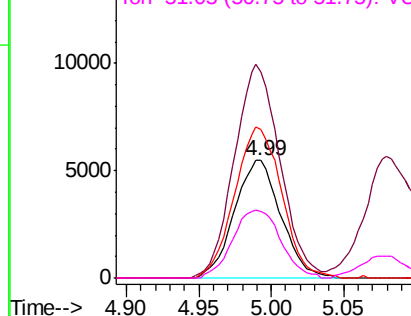
Abundance

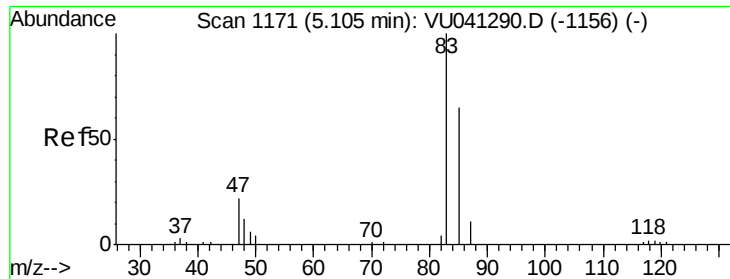
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

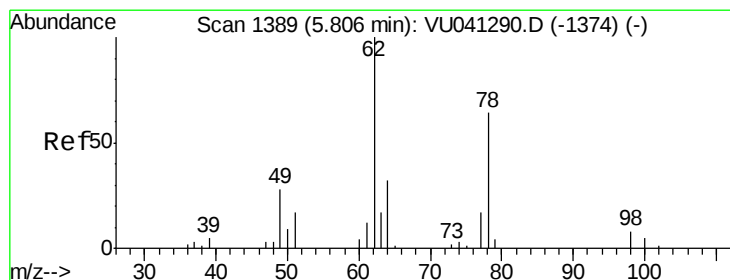
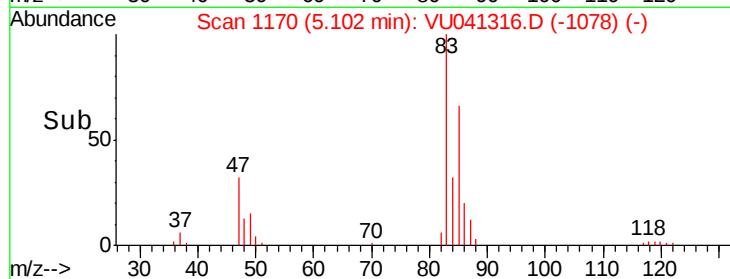
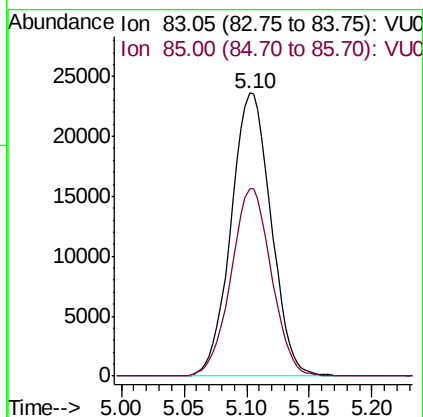
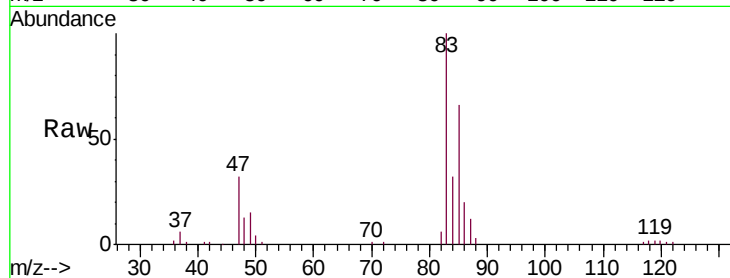




#25
Chloroform
Concen: 5.506 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

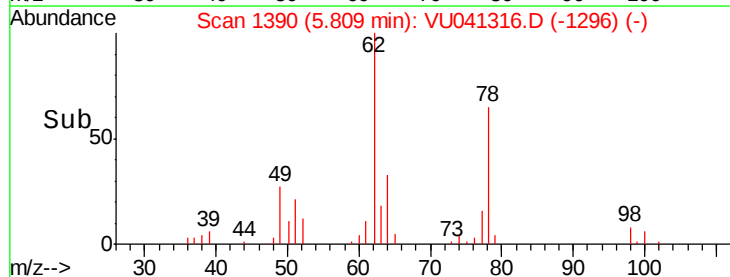
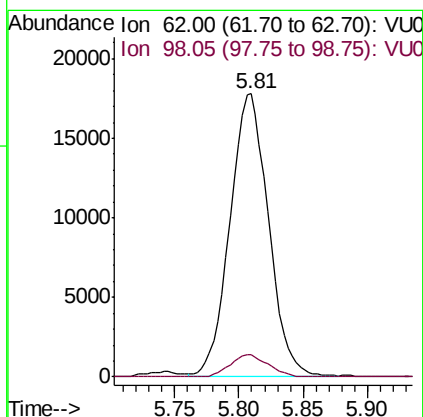
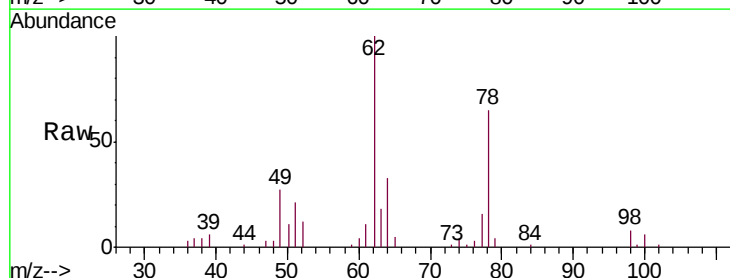
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

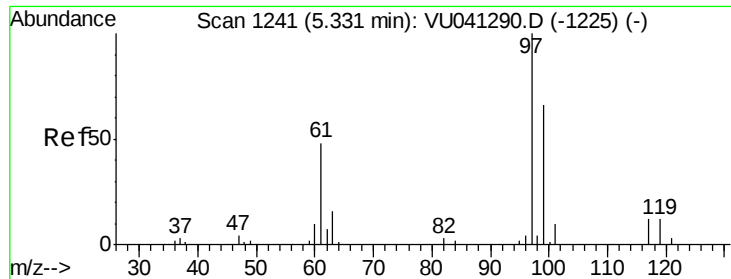
Tgt Ion: 83 Resp: 52388
Ion Ratio Lower Upper
83 100
85 66.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.419 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Tgt Ion: 62 Resp: 37070
Ion Ratio Lower Upper
62 100
98 7.7 7.6 11.4

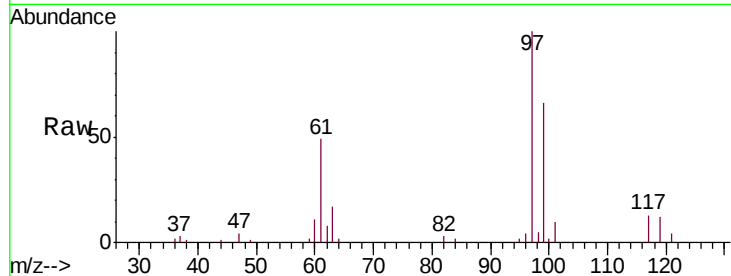




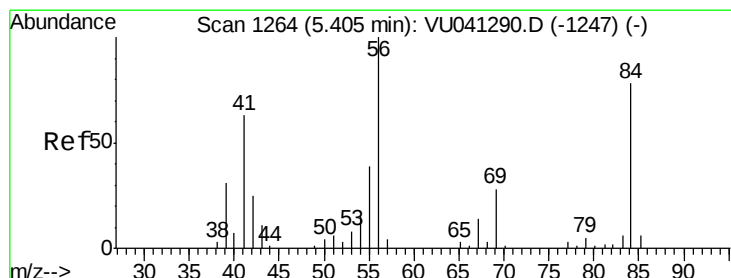
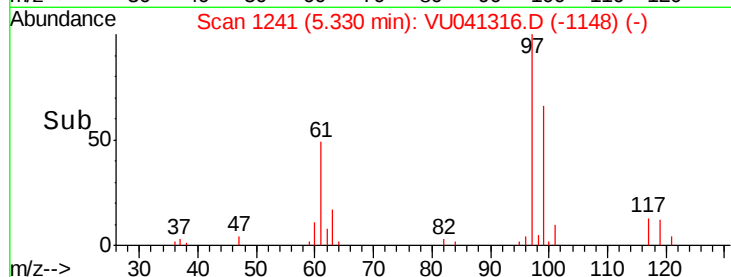
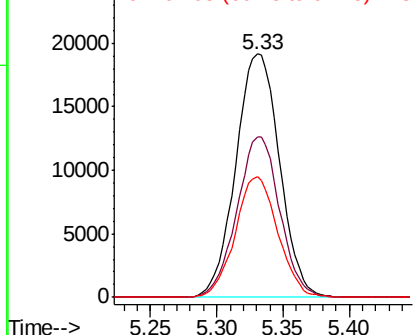
#29
 1,1,1-Trichloroethane
 Concen: 5.647 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion: 97 Resp: 44028
 Ion Ratio Lower Upper
 97 100
 99 64.7 53.4 80.0
 61 48.2 41.6 62.4

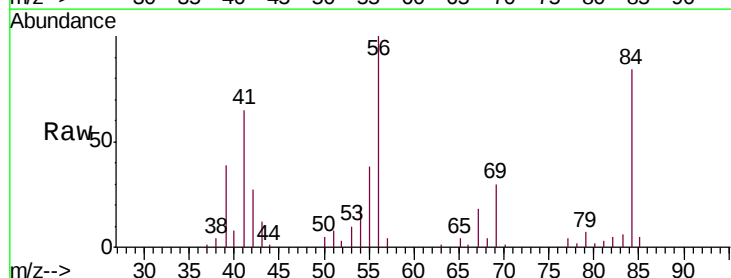


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

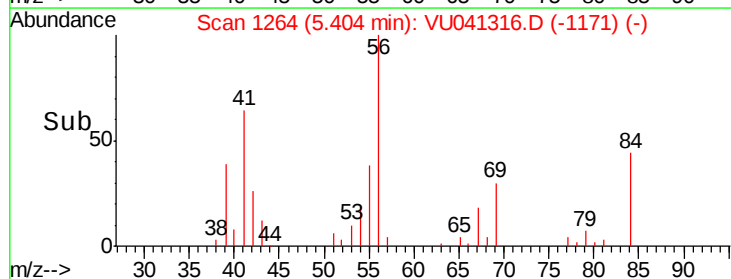
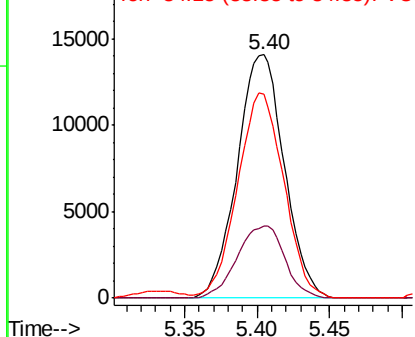


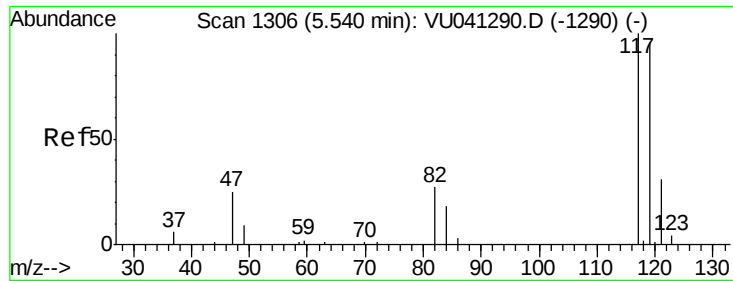
#30
 Cyclohexane
 Concen: 4.918 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Tgt Ion: 56 Resp: 31685
 Ion Ratio Lower Upper
 56 100
 69 29.9 22.8 34.2
 84 83.1 63.6 95.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.800 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

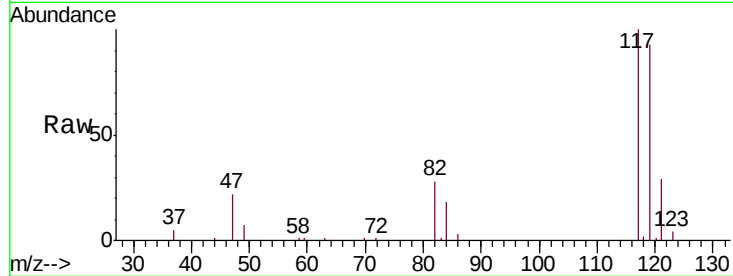
VSTD00527

Tgt Ion:117 Resp: 39212

Ion Ratio Lower Upper

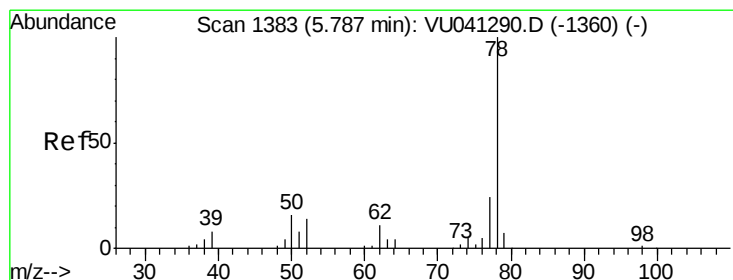
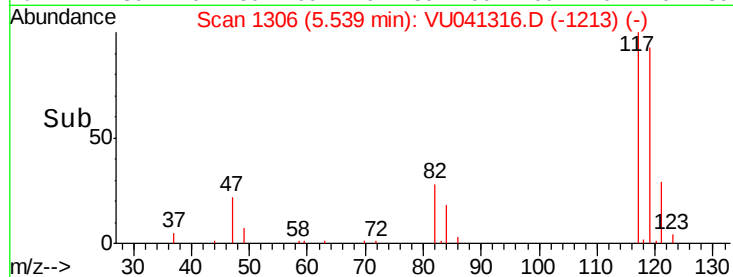
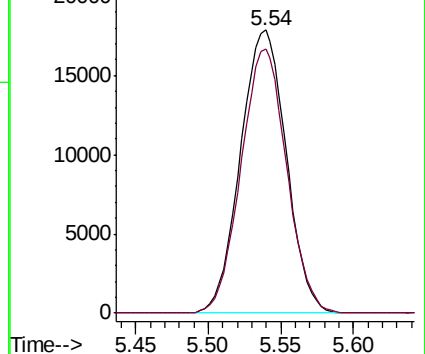
117 100

119 93.1 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.661 ug/L

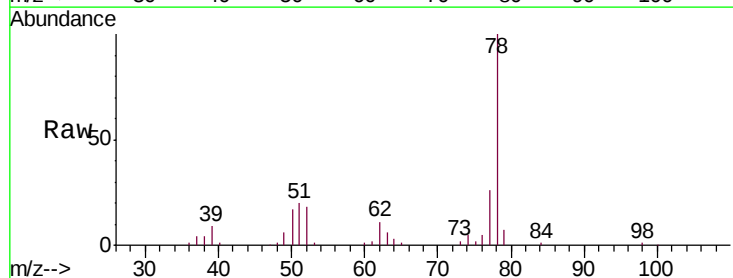
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

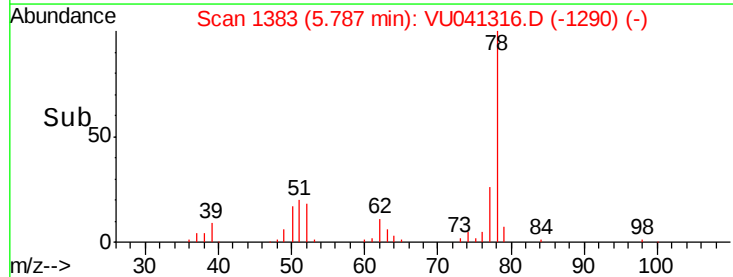
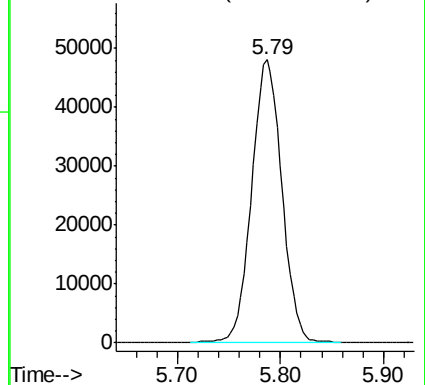
Lab File: VU041316.D

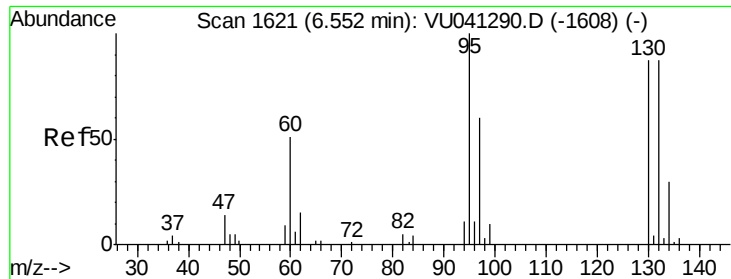
Acq: 18 Nov 2020 16:35

Tgt Ion: 78 Resp: 97848



Abundance Ion 78.10 (77.80 to 78.80): VU0

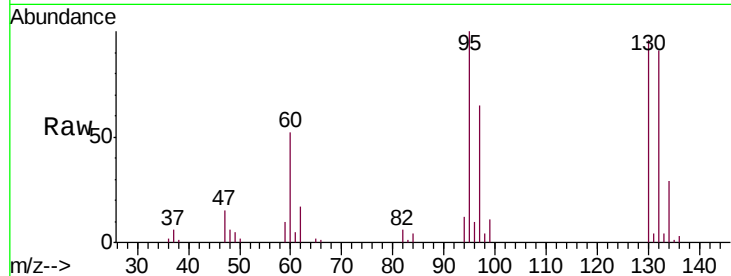




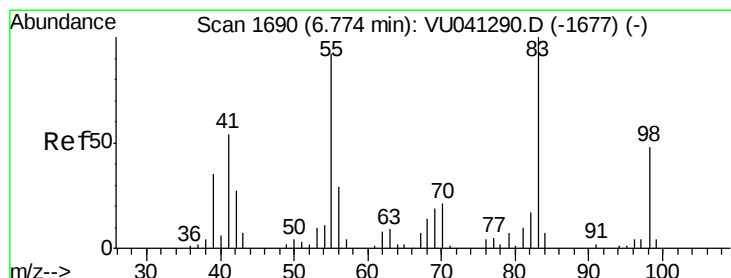
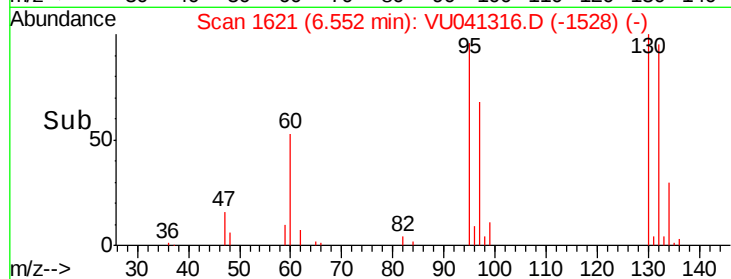
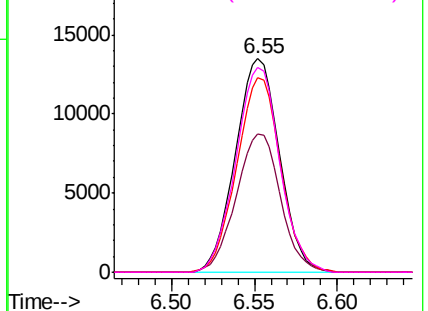
#34
 Trichloroethene
 Concen: 5.344 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion: 95 Resp: 24966
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.6 84.6
 132 91.4 64.8 120.4
 130 96.1 64.8 120.4

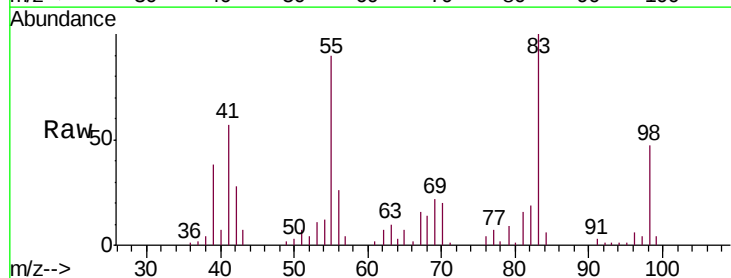


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

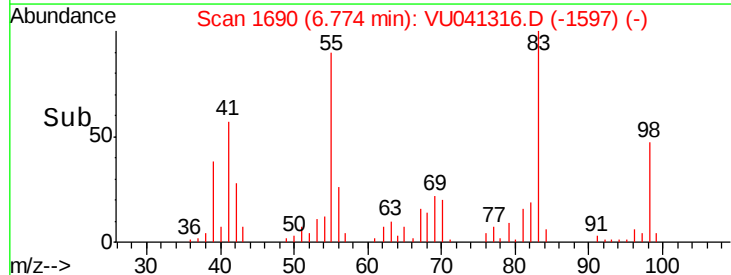
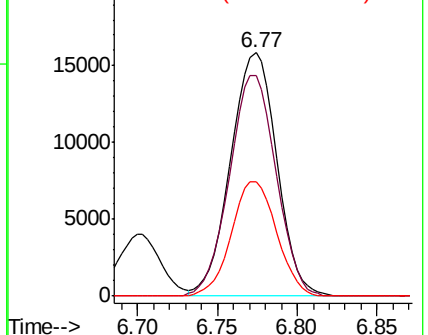


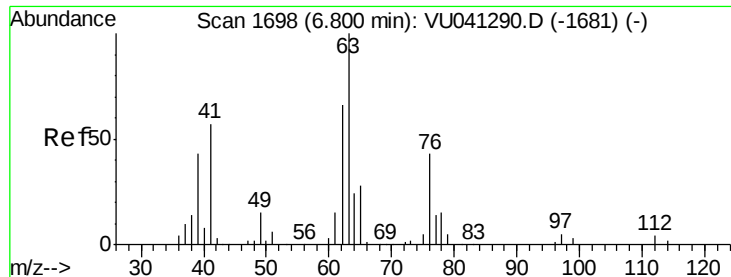
#35
 Methylcyclohexane
 Concen: 5.055 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Tgt Ion: 83 Resp: 31371
 Ion Ratio Lower Upper
 83 100
 55 91.0 72.0 108.0
 98 45.9 36.6 55.0



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

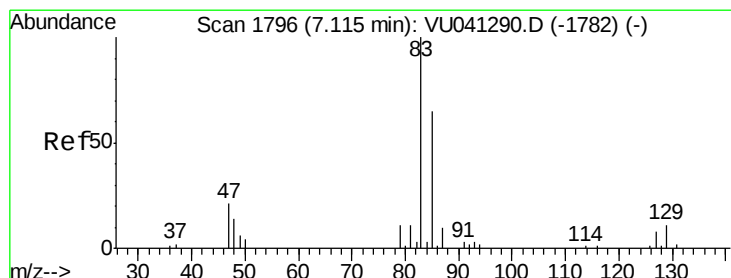
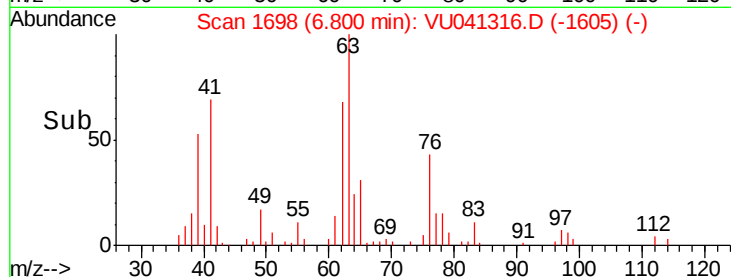
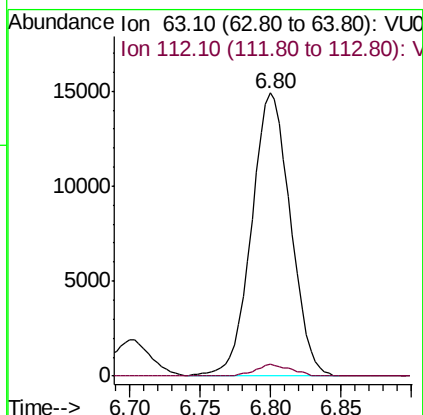
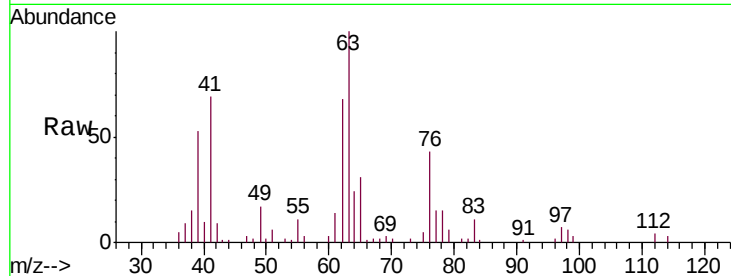




#37
 1,2-Dichloropropane
 Concen: 5.681 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

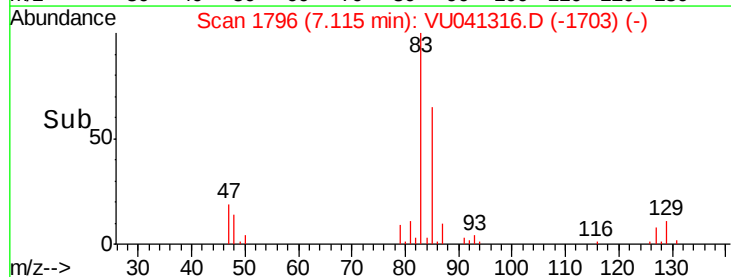
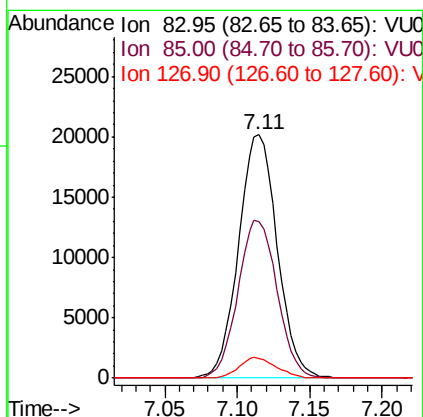
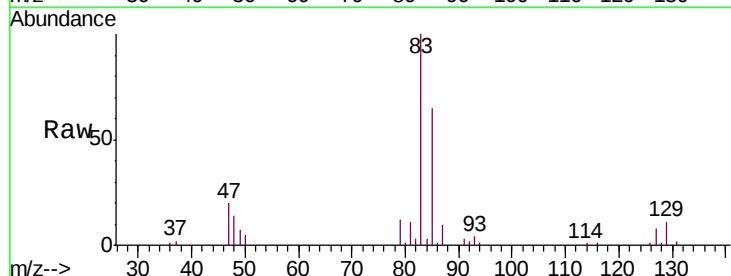
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

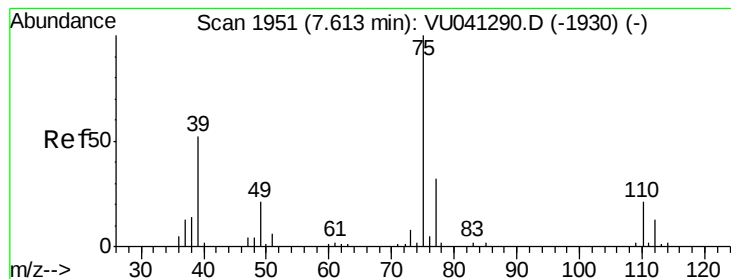
Tgt Ion: 63 Resp: 28704
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.676 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Tgt Ion: 83 Resp: 37487
 Ion Ratio Lower Upper
 83 100
 85 64.6 43.3 80.3
 127 8.3 5.9 8.9



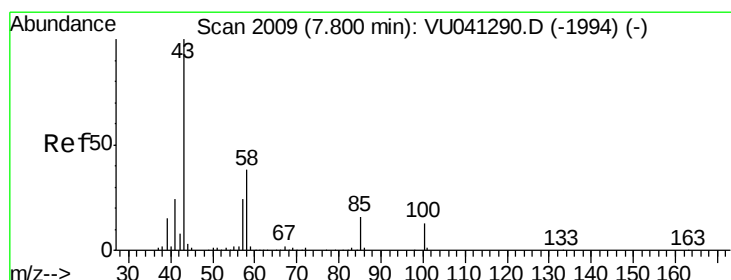
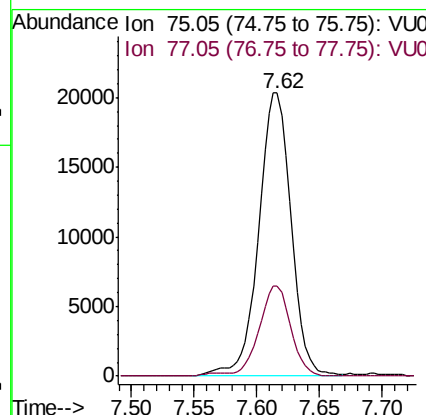
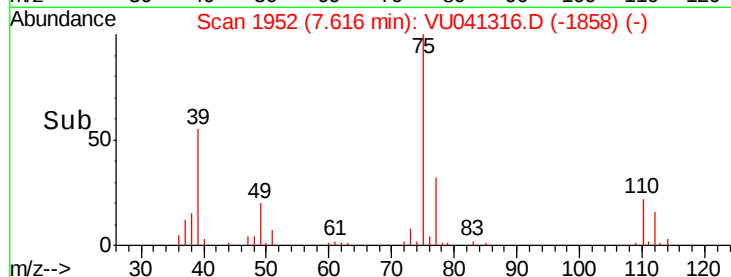
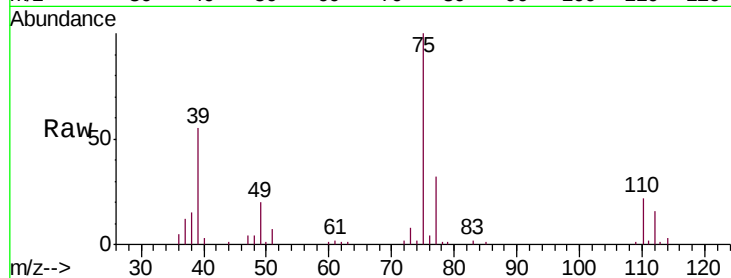


#39

cis-1,3-Dichloropropene
Concen: 5.198 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

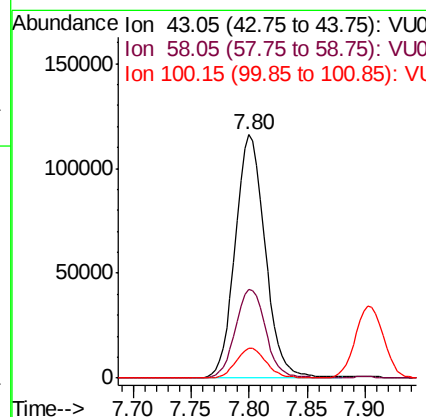
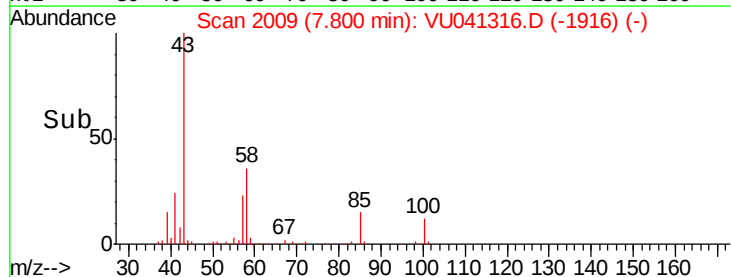
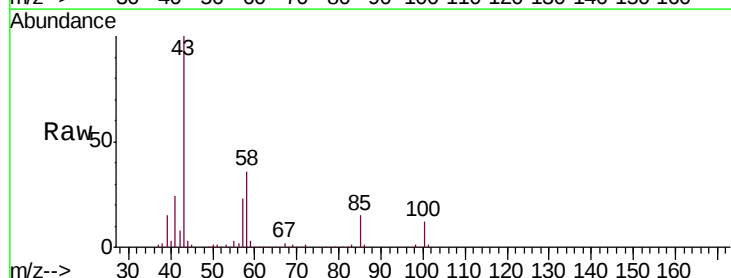
Tgt Ion: 75 Resp: 36633
Ion Ratio Lower Upper
75 100
77 32.0 22.7 42.3

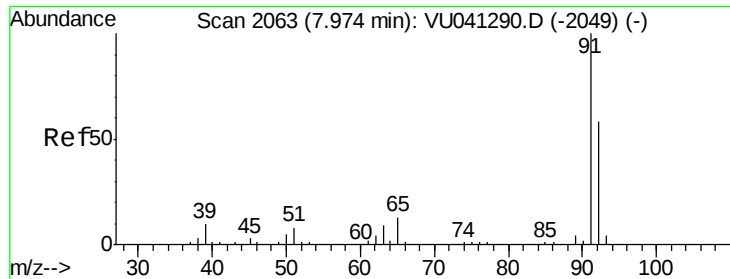


#40

4-Methyl-2-pentanone
Concen: 49.826 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Tgt Ion: 43 Resp: 208335
Ion Ratio Lower Upper
43 100
58 36.9 29.8 44.6
100 12.4 10.5 15.7





#42

Toluene

Concen: 5.730 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

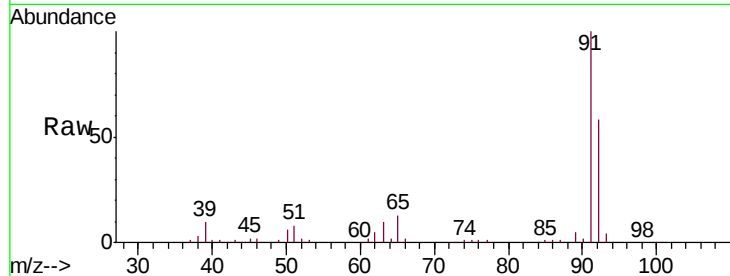
VSTD00527

Tgt Ion: 91 Resp: 105850

Ion Ratio Lower Upper

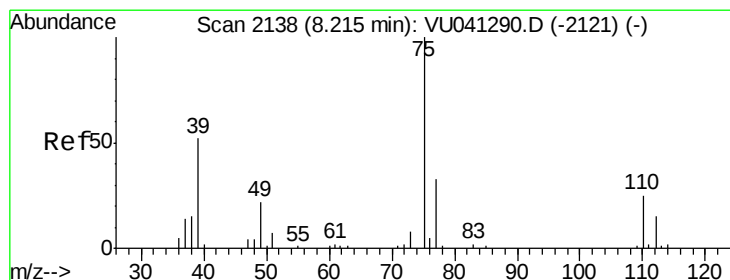
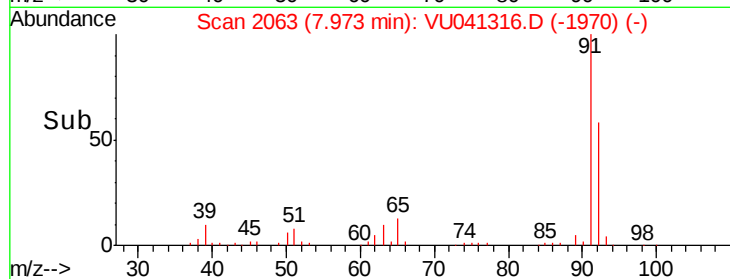
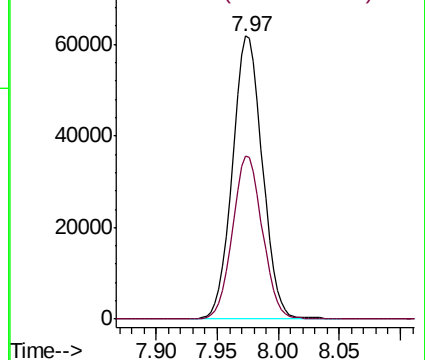
91 100

92 57.8 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.432 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041316.D

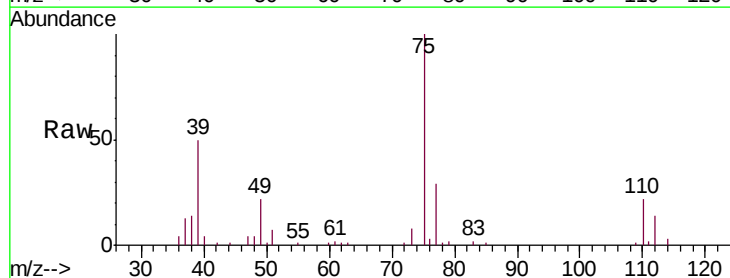
Acq: 18 Nov 2020 16:35

Tgt Ion: 75 Resp: 36211

Ion Ratio Lower Upper

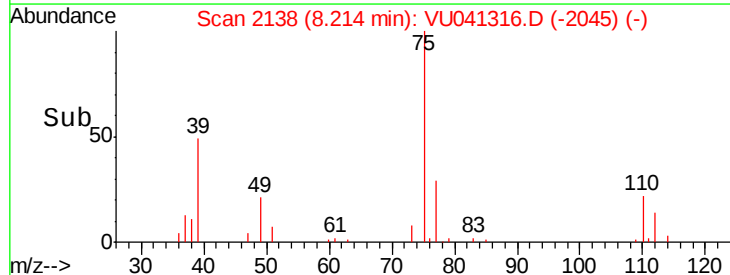
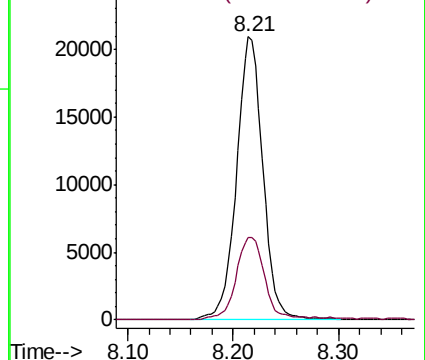
75 100

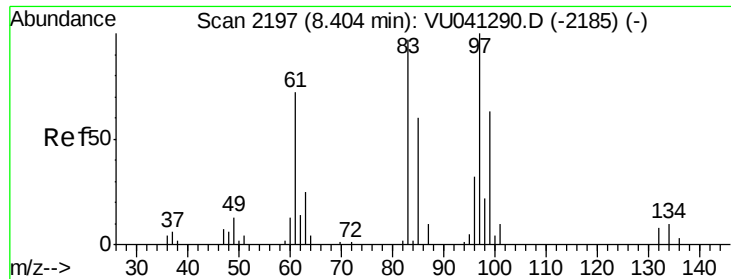
77 29.0 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

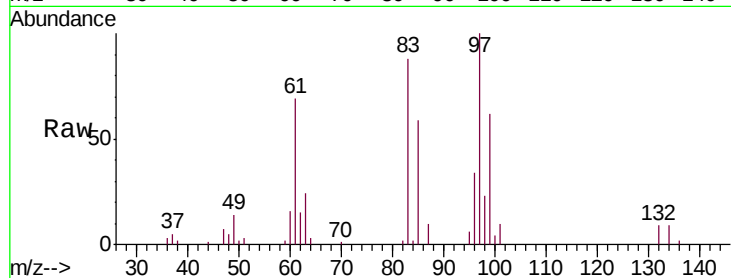




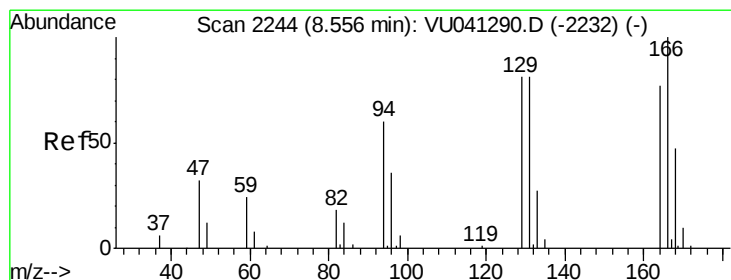
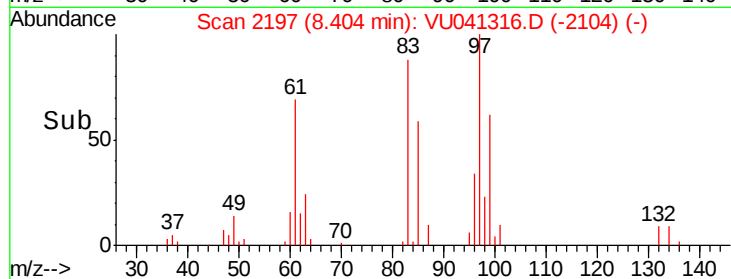
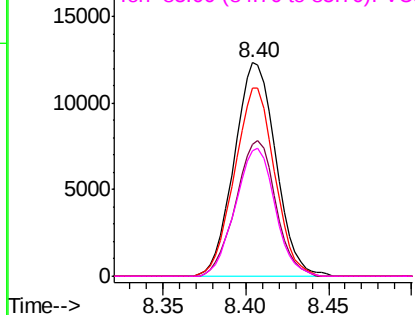
#45
 1,1,2-Trichloroethane
 Concen: 5.510 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion:	97	Resp:	21532
Ion	Ratio	Lower	Upper
97	100		
99	62.0	45.8	85.2
83	87.8	67.9	126.1
85	58.8	42.8	79.6

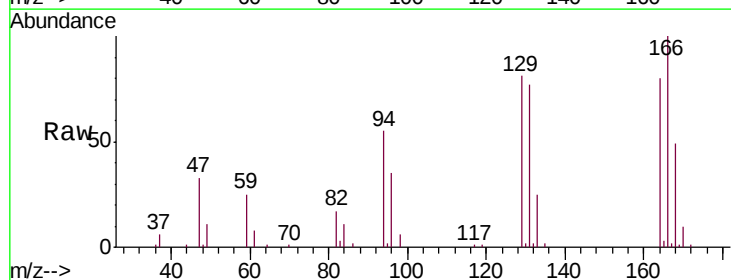


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

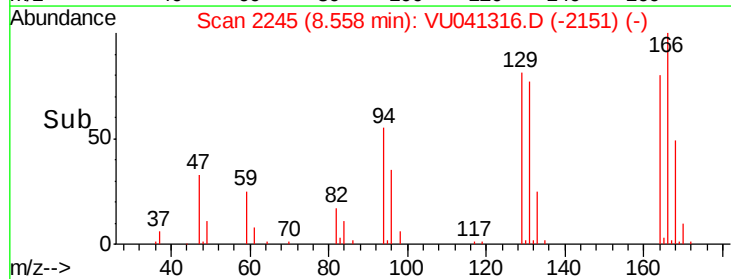
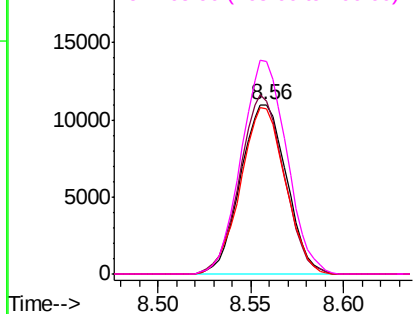


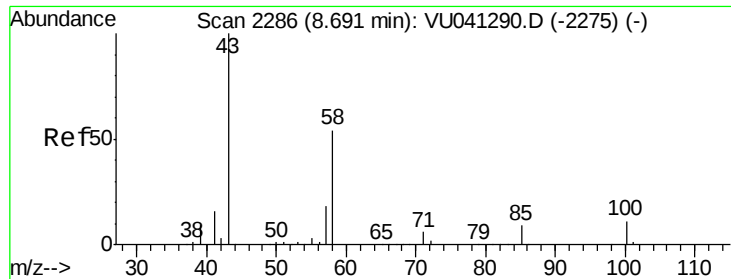
#47
 Tetrachloroethene
 Concen: 5.477 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Tgt Ion:	164	Resp:	18907
Ion	Ratio	Lower	Upper
164	100		
129	102.0	70.3	130.7
131	97.0	70.8	131.4
166	125.6	92.0	170.8



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

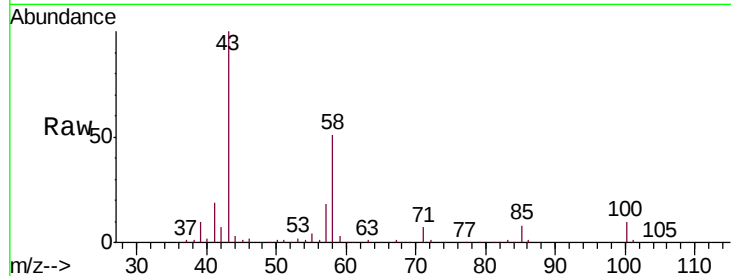




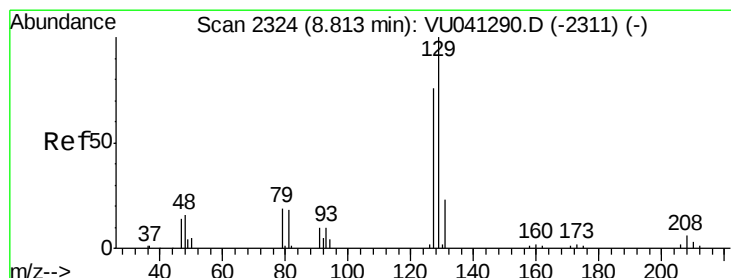
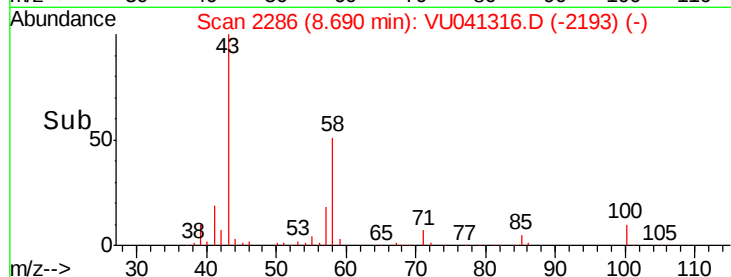
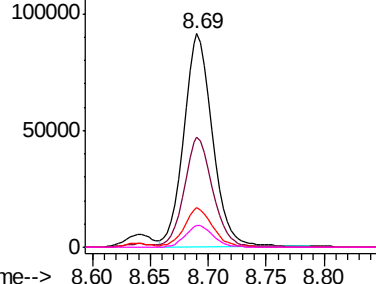
#48
2-Hexanone
Concen: 50.525 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion: 43 Resp: 157703
Ion Ratio Lower Upper
43 100
58 51.1 41.4 62.2
57 18.5 14.6 21.8
100 10.2 8.3 12.5

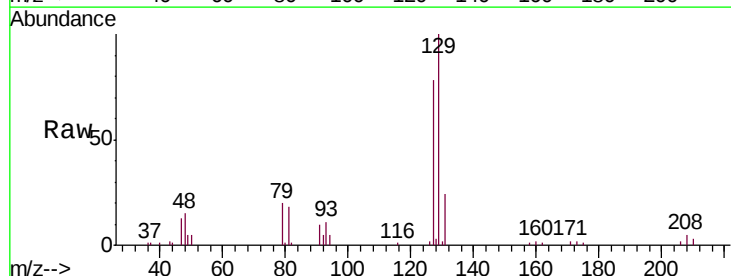


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

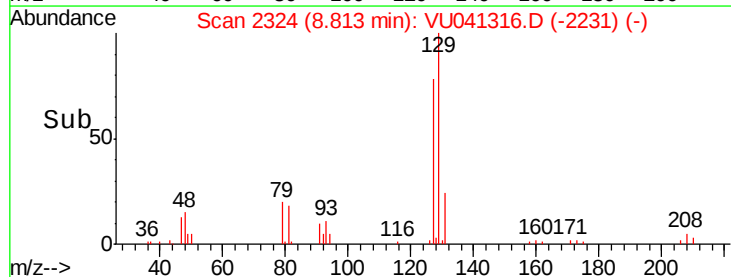
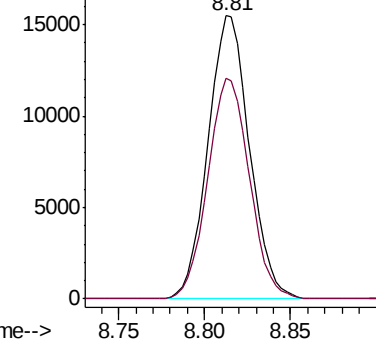


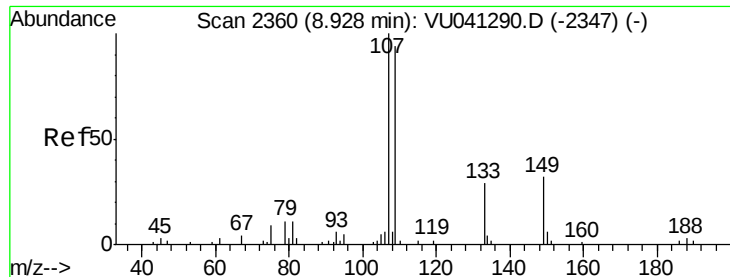
#49
Dibromochloromethane
Concen: 5.602 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Tgt Ion: 129 Resp: 25941
Ion Ratio Lower Upper
129 100
127 78.2 53.4 99.2



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

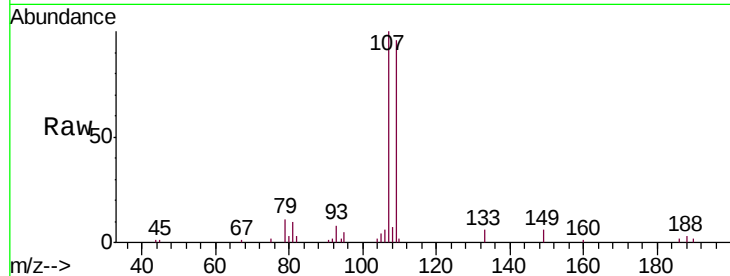




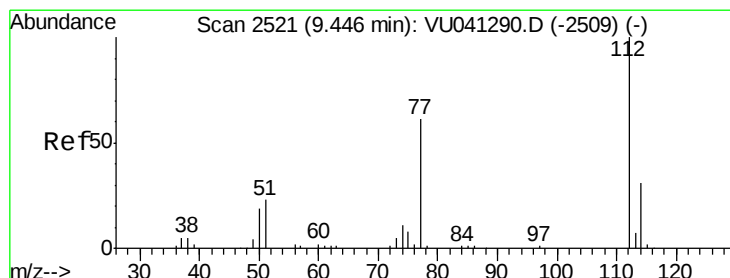
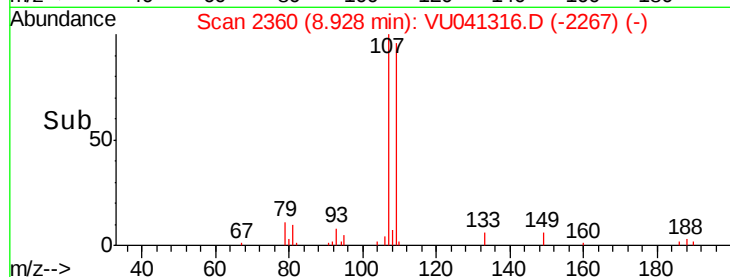
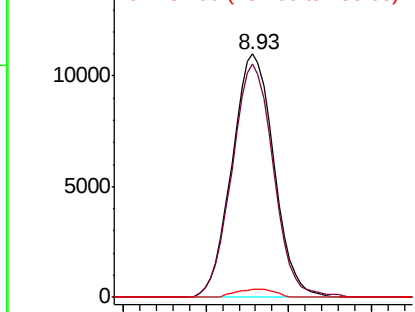
#50
1,2-Dibromoethane
Concen: 5.323 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion:107 Resp: 19295
Ion Ratio Lower Upper
107 100
109 95.8 65.6 121.8
188 3.3 2.9 4.3

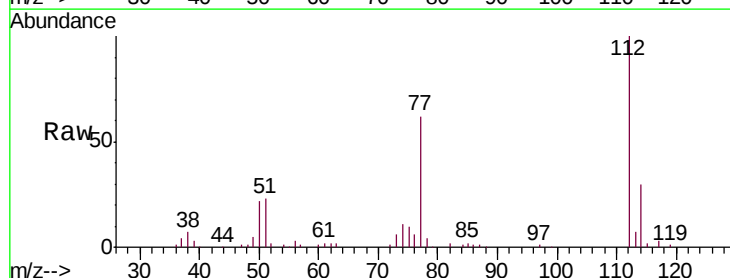


Abundance Ion 106.95 (106.65 to 107.65): V
15000 Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

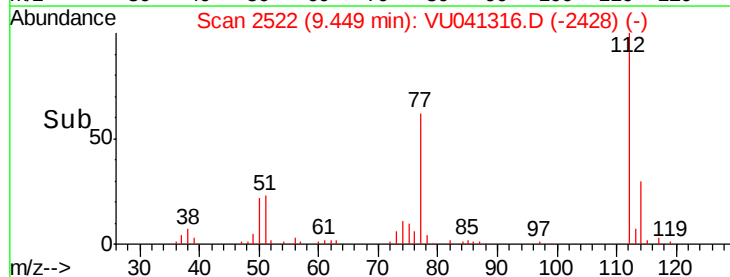
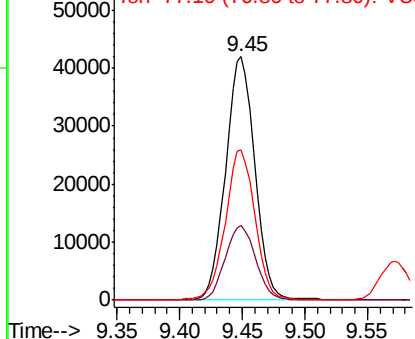


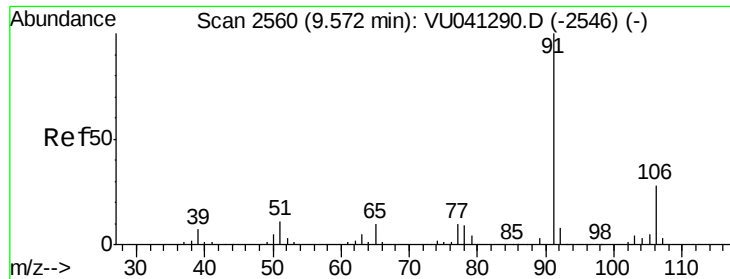
#51
Chlorobenzene
Concen: 5.547 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Tgt Ion:112 Resp: 67871
Ion Ratio Lower Upper
112 100
114 30.4 22.4 41.6
77 61.7 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): V
50000 Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.391 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

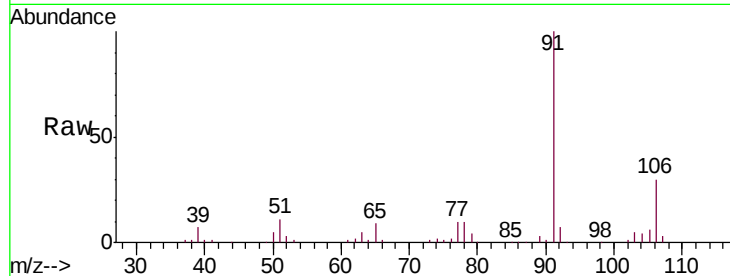
VSTD00527

Tgt Ion: 91 Resp: 106345

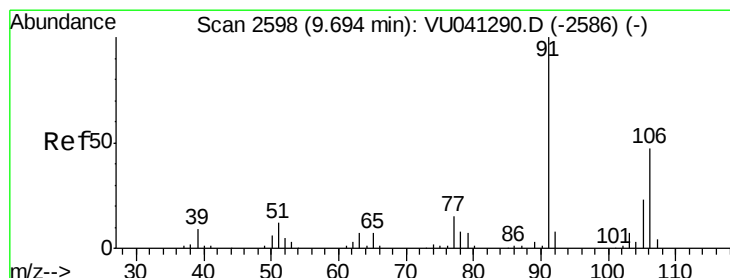
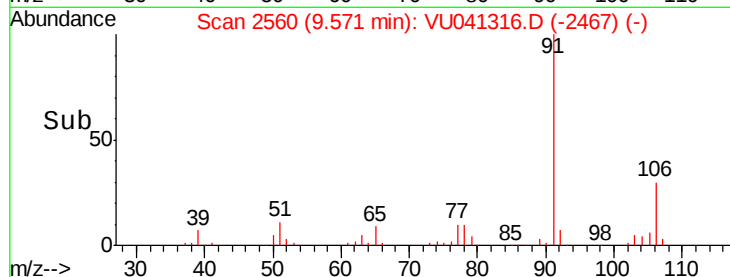
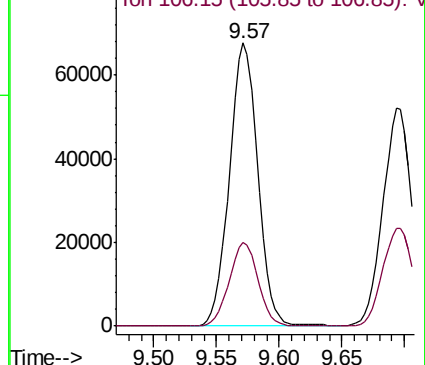
Ion Ratio Lower Upper

91 100

106 29.5 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041316.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.637 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041316.D

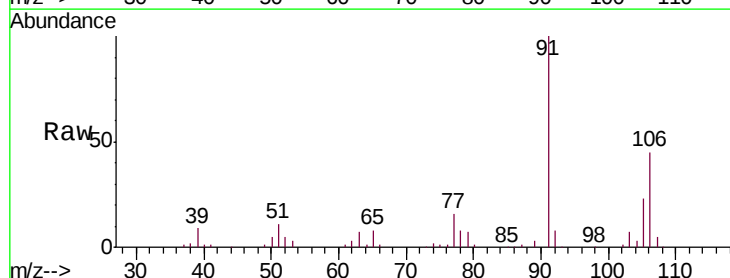
Acq: 18 Nov 2020 16:35

Tgt Ion: 106 Resp: 40187

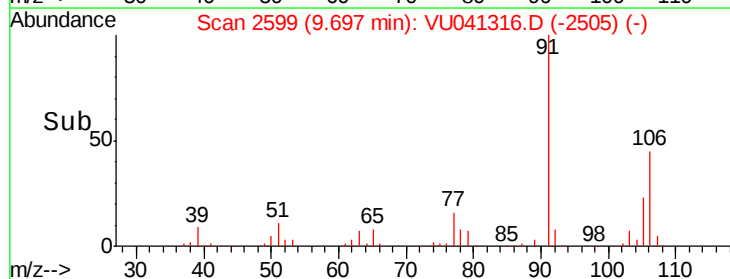
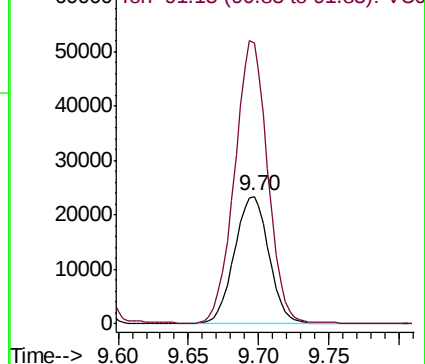
Ion Ratio Lower Upper

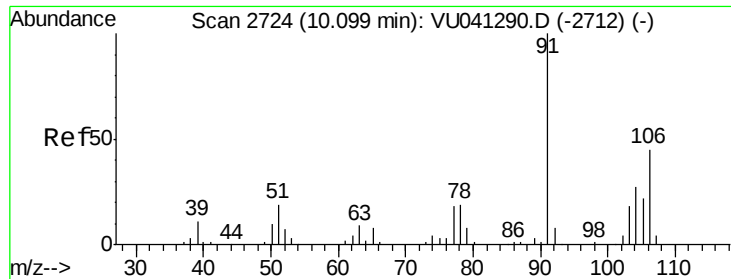
106 100

91 220.5 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041316.D (-2598) (-)

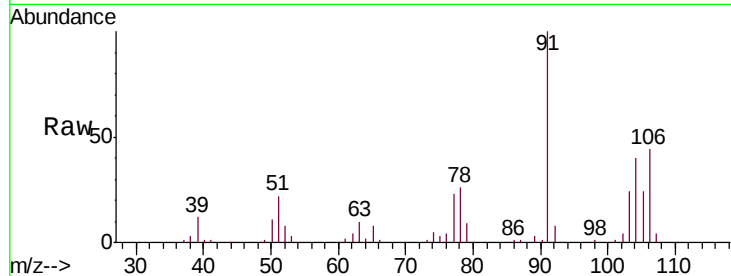




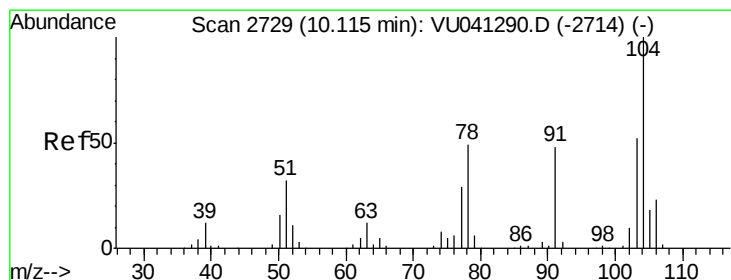
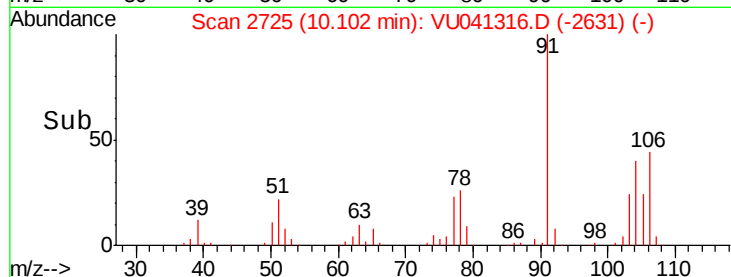
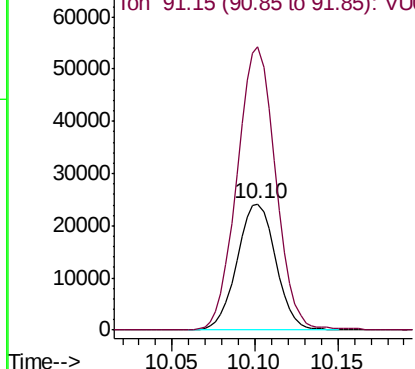
#54
o-Xylene
Concen: 5.740 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion:106 Resp: 39419
Ion Ratio Lower Upper
106 100
91 224.7 154.3 286.5

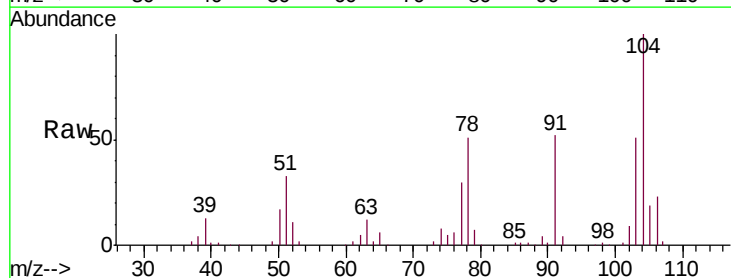


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

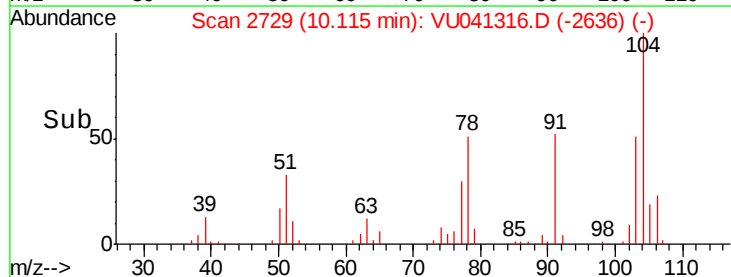
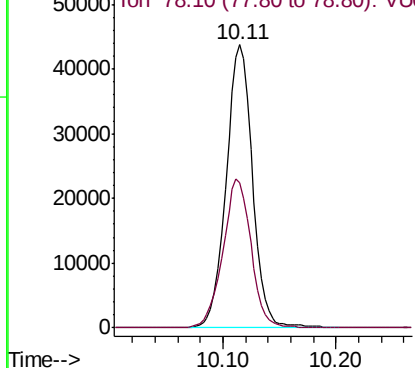


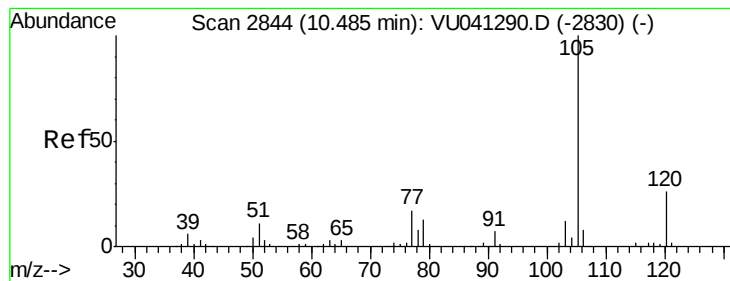
#55
Styrene
Concen: 5.823 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Tgt Ion:104 Resp: 70816
Ion Ratio Lower Upper
104 100
78 51.1 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.870 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

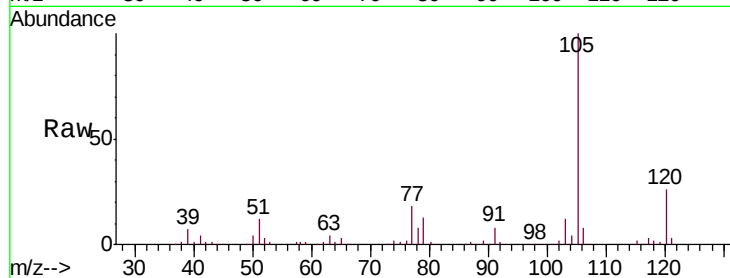
Tgt Ion: 105 Resp: 106781

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

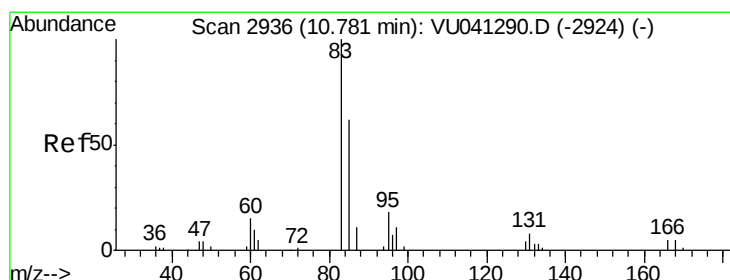
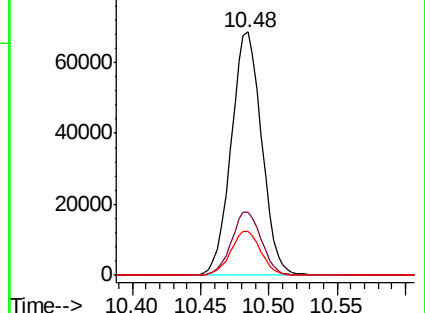
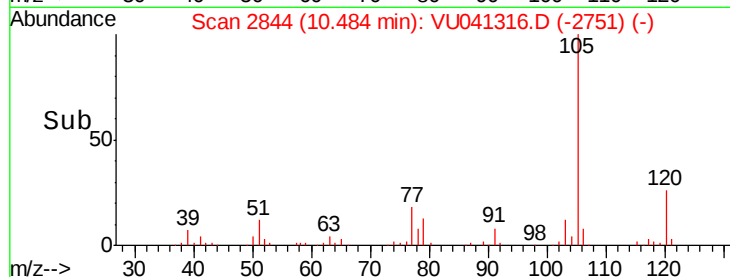
77 17.8 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.344 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

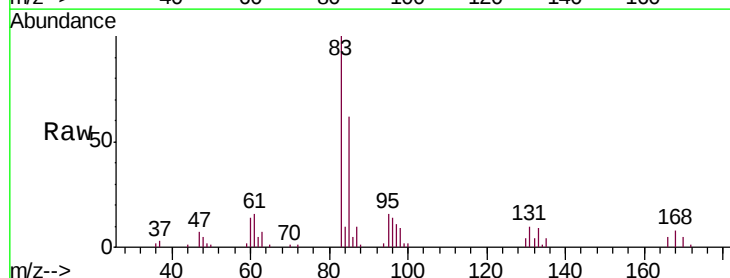
Tgt Ion: 83 Resp: 27299

Ion Ratio Lower Upper

83 100

85 62.5 44.4 82.4

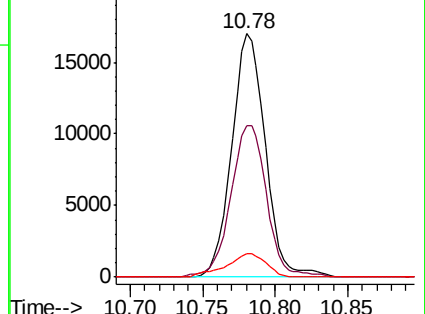
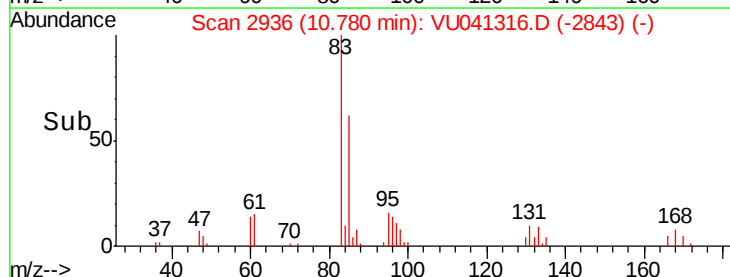
131 9.5 7.7 11.5

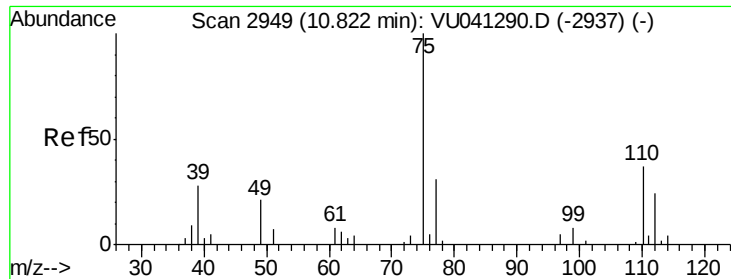


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.128 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

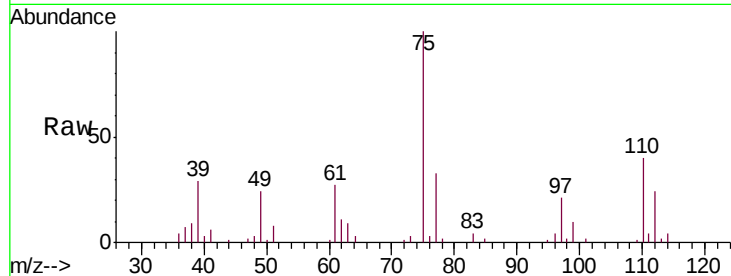
VSTD00527

Tgt Ion: 75 Resp: 20432

Ion Ratio Lower Upper

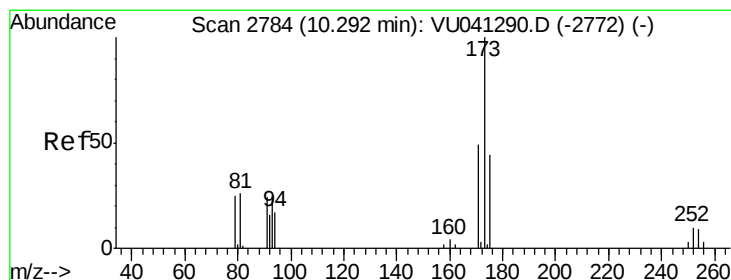
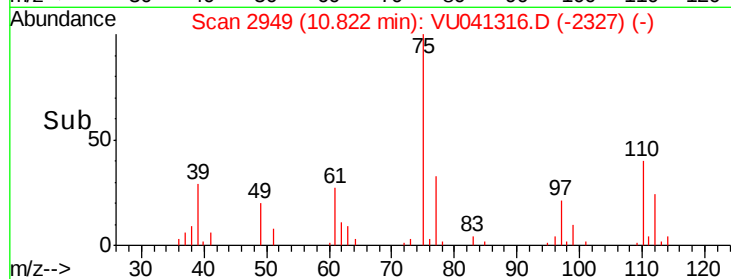
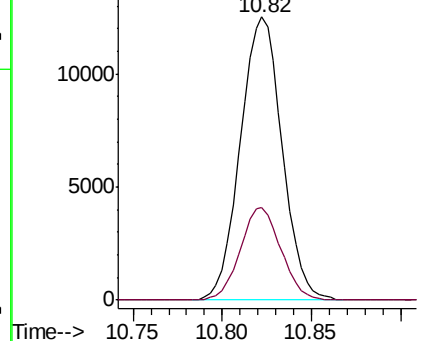
75 100

77 31.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 4.880 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041316.D

Acq: 18 Nov 2020 16:35

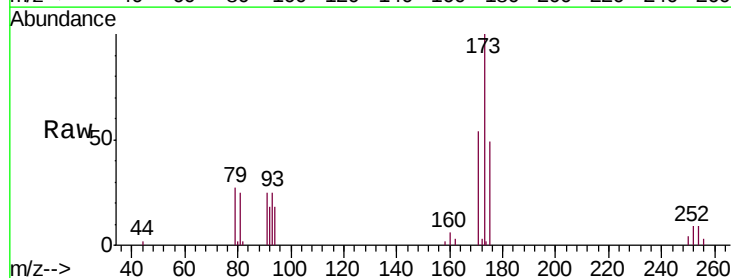
Tgt Ion: 173 Resp: 14671

Ion Ratio Lower Upper

173 100

175 47.8 37.6 56.4

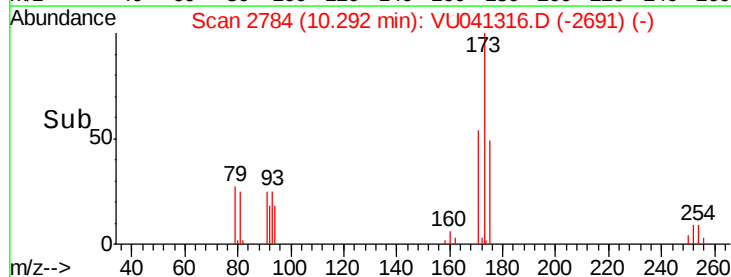
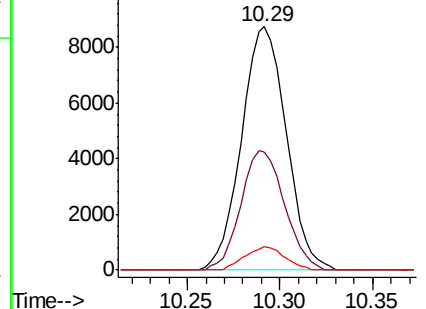
254 8.6 6.6 9.8

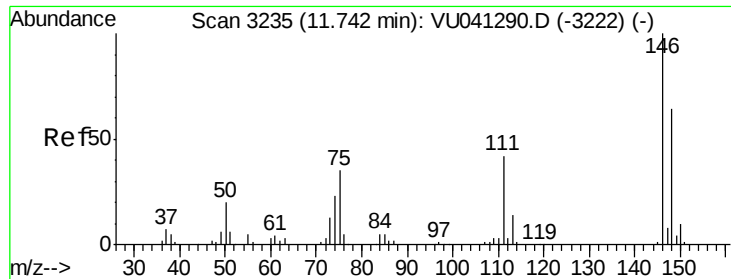


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

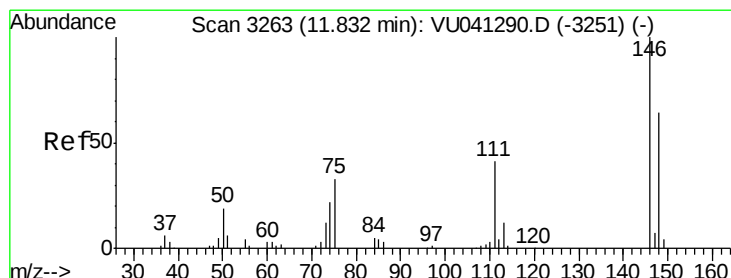
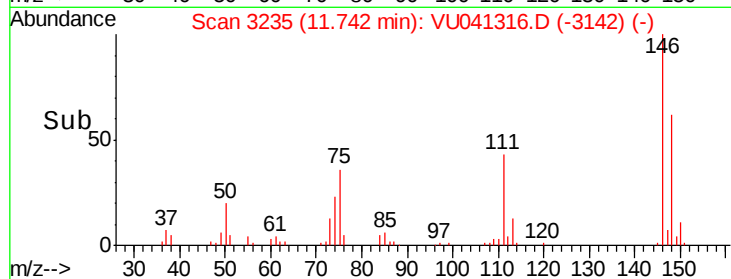
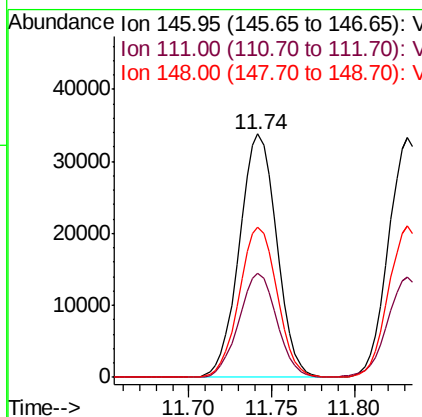
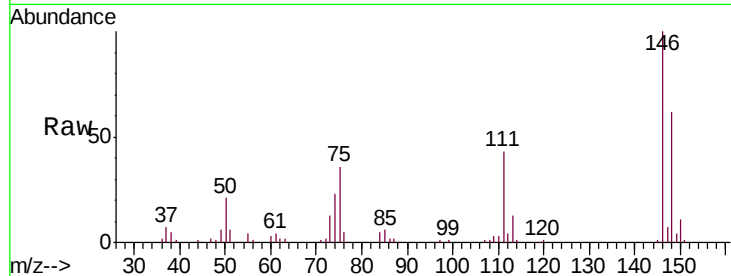




#62
 1,3-Dichlorobenzene
 Concen: 5.381 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

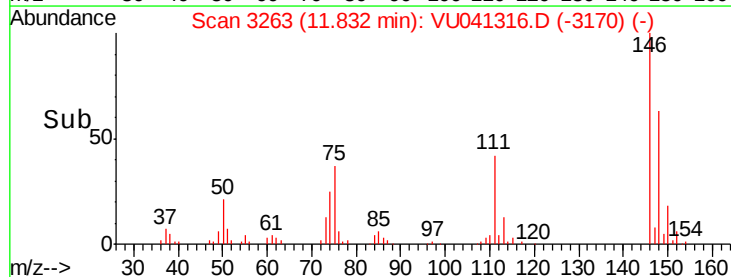
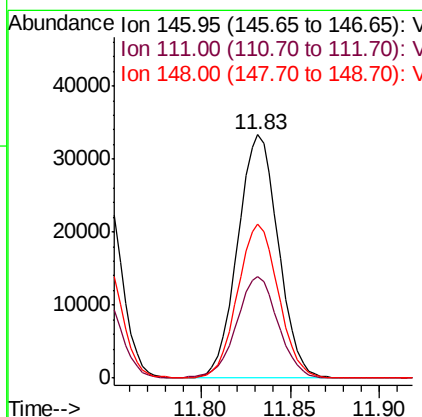
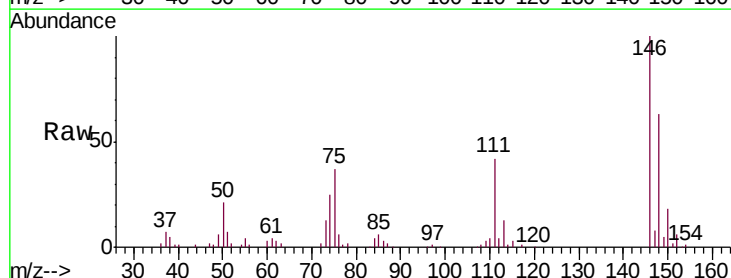
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

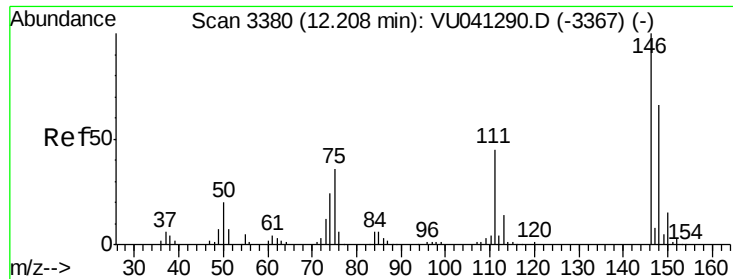
Tgt Ion:146 Resp: 53157
 Ion Ratio Lower Upper
 146 100
 111 42.7 30.9 57.3
 148 61.7 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 5.215 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Tgt Ion:146 Resp: 53078
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.3 52.7
 148 63.1 44.2 82.2

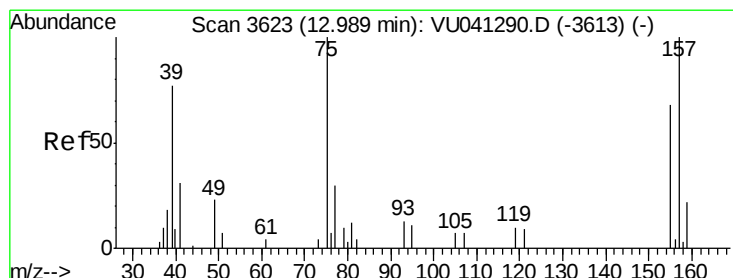
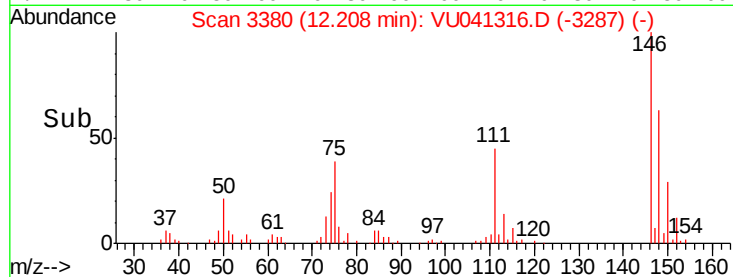
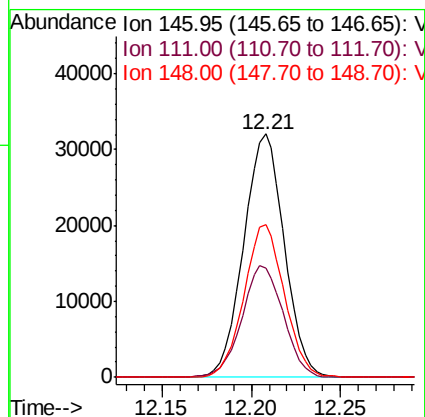
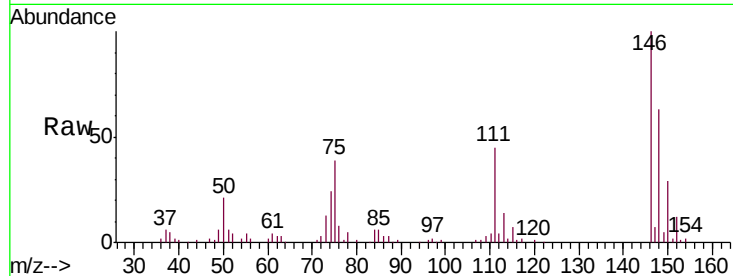




#65
 1,2-Dichlorobenzene
 Concen: 5.192 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

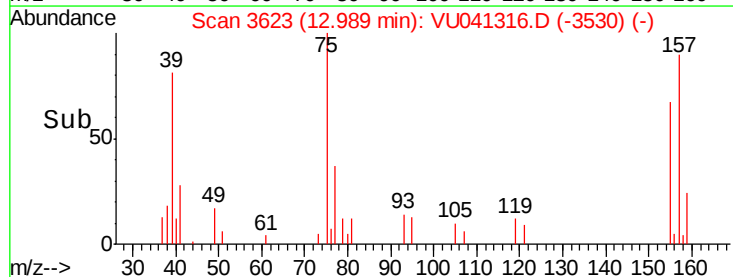
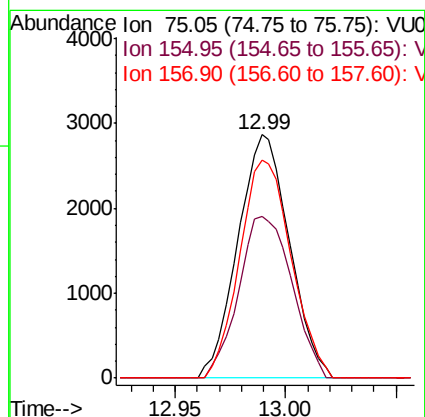
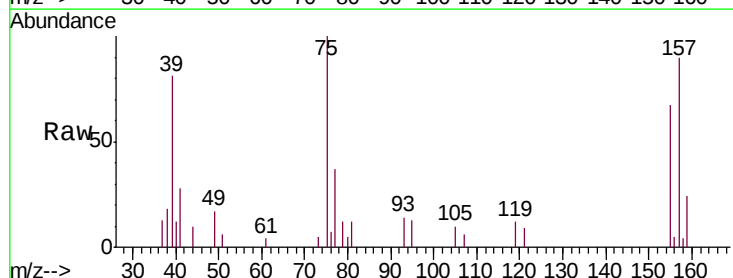
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

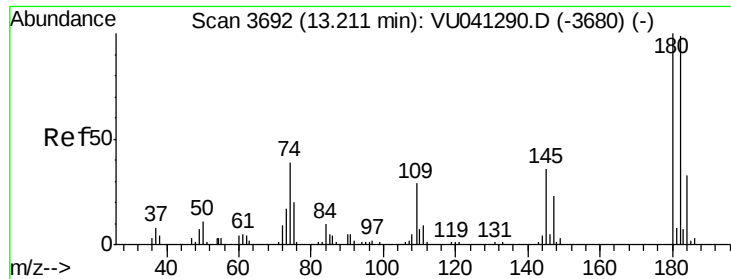
Tgt Ion: 146 Resp: 51018
 Ion Ratio Lower Upper
 146 100
 111 45.1 35.0 52.6
 148 62.9 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.079 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Tgt Ion: 75 Resp: 4633
 Ion Ratio Lower Upper
 75 100
 155 66.6 61.4 92.2
 157 89.6 74.2 111.4

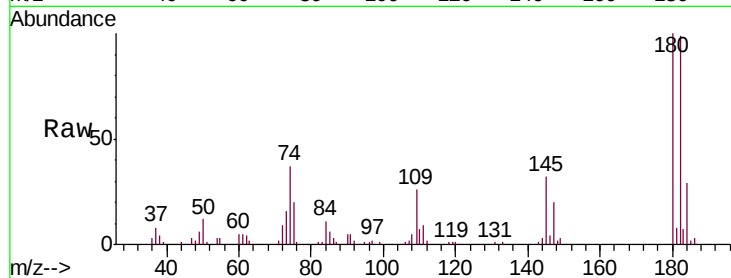




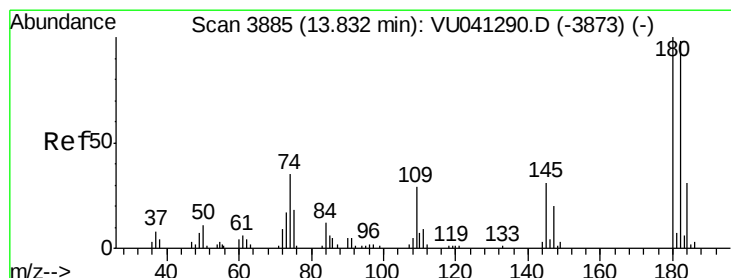
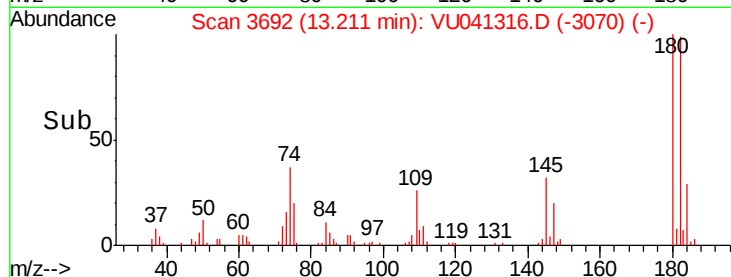
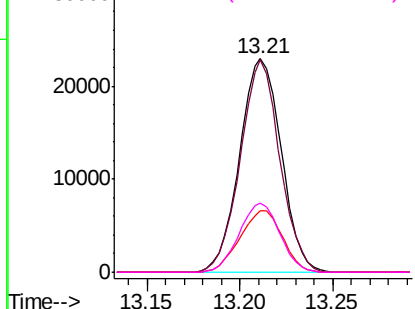
#67
 1,3,5-Trichlorobenzene
 Concen: 5.096 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion:180 Resp: 35858
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.7 113.5
 184 29.5 23.7 35.5
 145 31.6 26.1 39.1

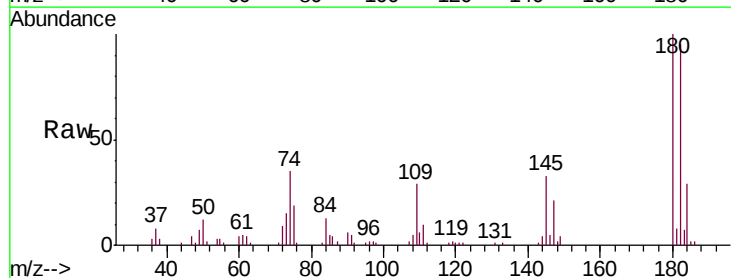


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

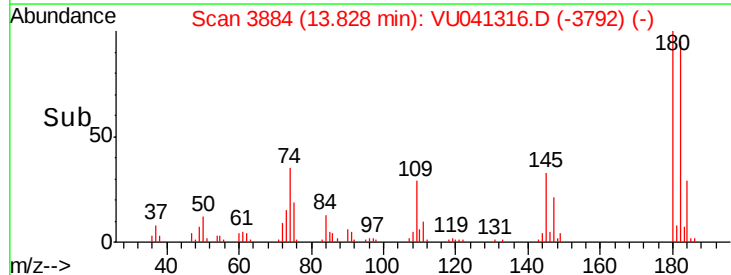
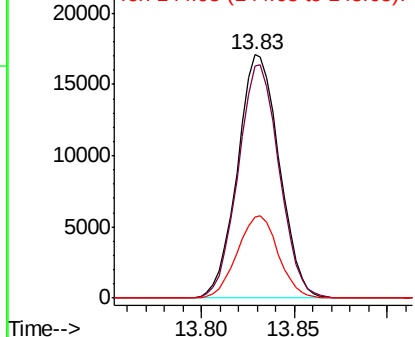


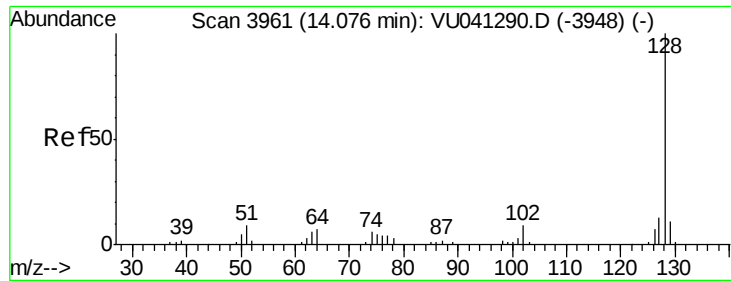
#68
 1,2,4-trichlorobenzene
 Concen: 4.574 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041316.D
 Acq: 18 Nov 2020 16:35

Tgt Ion:180 Resp: 26734
 Ion Ratio Lower Upper
 180 100
 182 94.2 73.5 110.3
 145 33.0 26.6 40.0



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

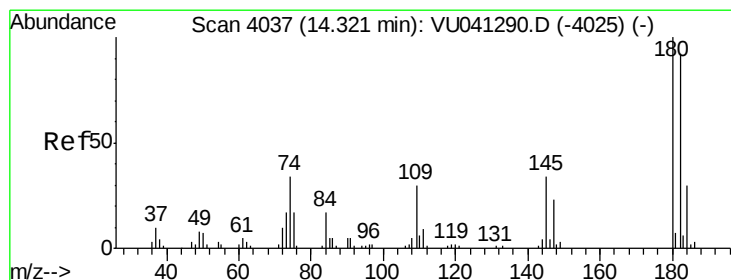
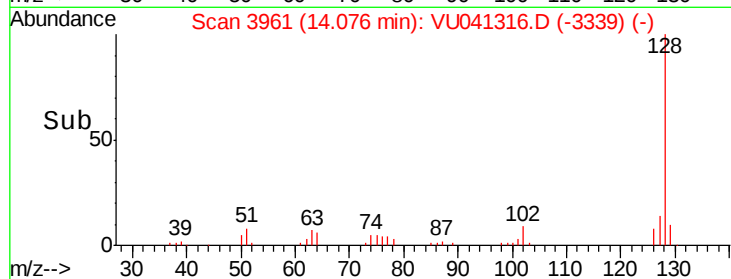
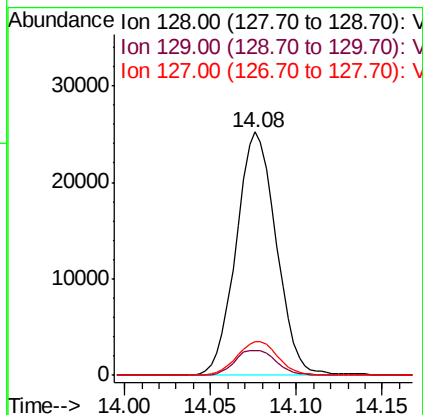
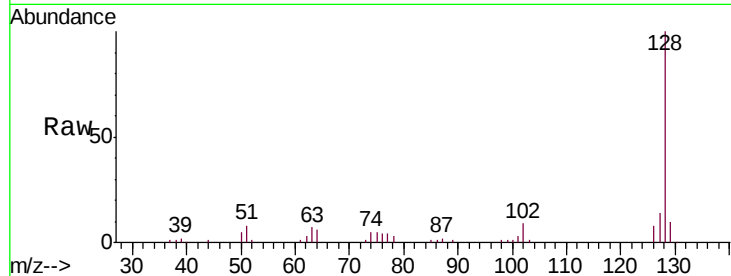




#69
Naphthalene
Concen: 4.300 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion:128 Resp: 40689
Ion Ratio Lower Upper
128 100
129 10.4 8.7 13.1
127 14.2 10.8 16.2



#70
1,2,3-Trichlorobenzene
Concen: 4.813 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU041316.D
Acq: 18 Nov 2020 16:35

Tgt Ion:180 Resp: 26124
Ion Ratio Lower Upper
180 100
182 95.0 77.7 116.5
145 34.5 29.4 44.0

