

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
 Data File : VU032369.D
 Acq On : 29 May 2019 19:49
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Quant Time: May 30 05:41:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 30 05:34:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	405925	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	392218	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192511	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77074	3.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.60%
7) Chloroethane-d5	1.68	69	78660	3.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.00%
11) 1,1-Dichloroethene-d2	2.27	63	156753	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.20	46	331394	51.54	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.08%
24) Chloroform-d	4.64	84	234622	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
26) 1,2-Dichloroethane-d4	5.31	65	130126	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
32) Benzene-d6	5.33	84	456590	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
36) 1,2-Dichloropropane-d6	6.33	67	157600	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.56	98	456166	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	7.85	79	61118	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.31	63	280296	53.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	164090	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	224584	4.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	76330	4.399 ug/L	99
3) Chloromethane	1.33	50	75909	4.363 ug/L	100
5) Vinyl chloride	1.40	62	80397	4.576 ug/L	98
6) Bromomethane	1.63	94	44476	3.995 ug/L	98
8) Chloroethane	1.70	64	48789	4.375 ug/L	91
9) Trichlorofluoromethane	1.88	101	104996	4.610 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	64179	4.465 ug/L	98
12) 1,1-Dichloroethene	2.28	96	64776	4.484 ug/L	89
13) Acetone	2.34	43	94303	47.334 ug/L	99
14) Carbon disulfide	2.47	76	194051	4.335 ug/L	100
15) Methyl Acetate	2.62	43	24711	4.227 ug/L	92
16) Methylene chloride	2.70	84	70416	3.654 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	159409	4.894 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	71134	4.588 ug/L	91
19) 1,1-Dichloroethane	3.44	63	115255	4.813 ug/L	98
21) 2-Butanone	4.29	43	152731	50.816 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	73559	4.860 ug/L	99

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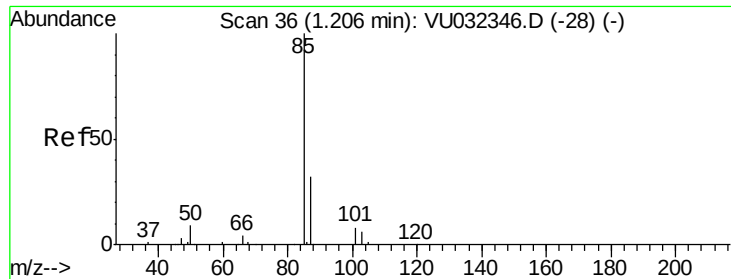
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.55	128	32587	4.872	ug/L	99
25) Chloroform	4.67	83	123065	4.758	ug/L	94
27) 1,2-Dichloroethane	5.40	62	72941	4.846	ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	97899	4.809	ug/L	97
30) Cyclohexane	4.98	56	100921	5.303	ug/L	97
31) Carbon tetrachloride	5.13	117	86342	4.814	ug/L	100
33) Benzene	5.39	78	265329	5.001	ug/L	100
34) Trichloroethene	6.18	95	70172	4.928	ug/L	97
35) Methylcyclohexane	6.41	83	105309	5.021	ug/L	99
37) 1,2-Dichloropropane	6.43	63	65803	5.151	ug/L	100
38) Bromodichloromethane	6.75	83	81429	4.905	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	88784	4.881	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	365938	56.672	ug/L	97
42) Toluene	7.63	91	285049	5.056	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	72442	5.069	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	47951	4.861	ug/L	96
47) Tetrachloroethene	8.22	164	58447	4.972	ug/L	97
48) 2-Hexanone	8.36	43	272546	55.031	ug/L	99
49) Dibromochloromethane	8.47	129	55534	4.946	ug/L	99
50) 1,2-Dibromoethane	8.58	107	44385	4.773	ug/L #	94
51) Chlorobenzene	9.12	112	182660	5.063	ug/L	96
52) Ethylbenzene	9.25	91	301062	5.305	ug/L	97
53) m,p-Xylene	9.37	106	116586	5.525	ug/L	91
54) o-Xylene	9.77	106	113024	5.360	ug/L	96
55) Styrene	9.79	104	191574	5.430	ug/L	100
56) Isopropylbenzene	10.16	105	291896	5.476	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	57513	4.840	ug/L #	96
59) 1,2,3-Trichloropropane	10.49	75	40507	4.869	ug/L	95
61) Bromoform	9.95	173	30749	4.460	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	143466	5.044	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	142272	4.769	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	139710	4.842	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.65	75	8308	4.460	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	107908	4.985	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	83535	5.474	ug/L	100
69) Naphthalene	13.74	128	128040	5.484	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	80449	4.980	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.399 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU032369.D

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Instrument :

MSVOA_U

ClientSampleId :

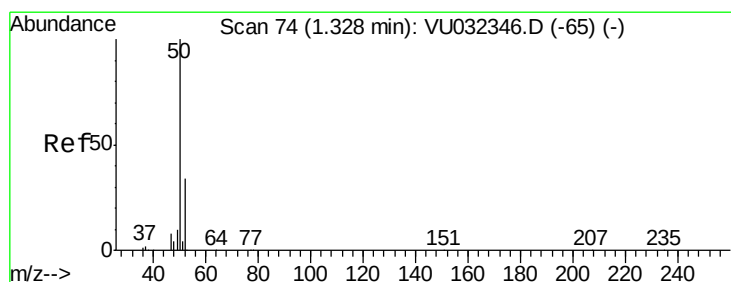
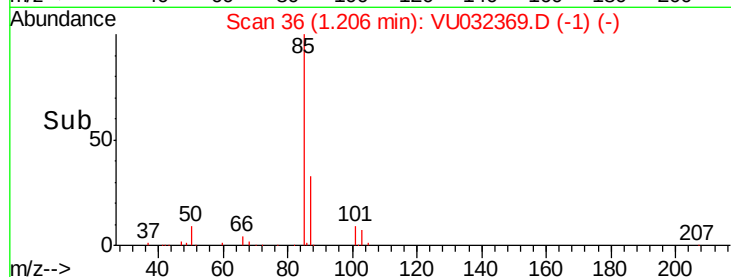
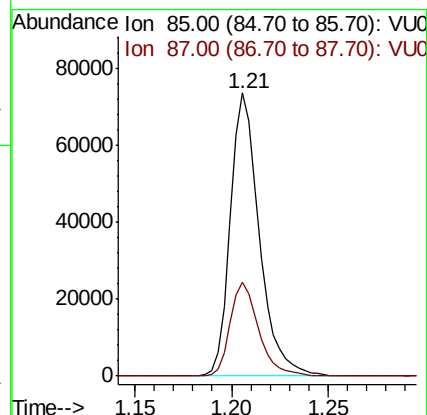
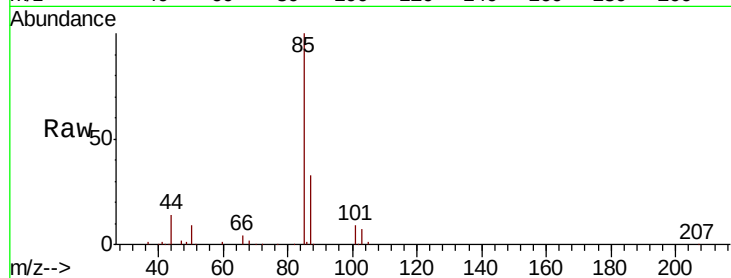
VSTD00517

Tgt Ion: 85 Resp: 76330

Ion Ratio Lower Upper

85 100

87 32.6 26.6 39.8



#3

Chloromethane

Concen: 4.363 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU032369.D

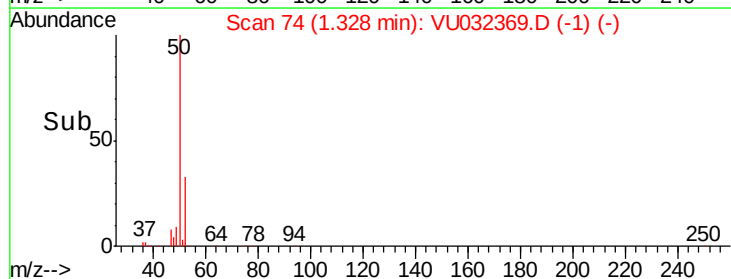
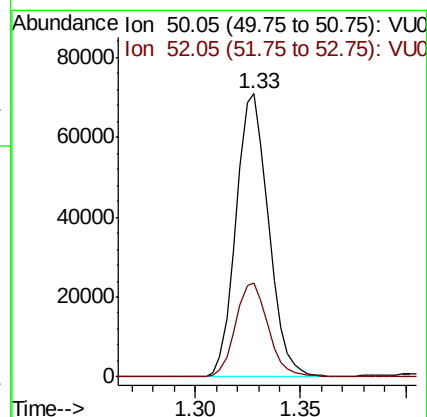
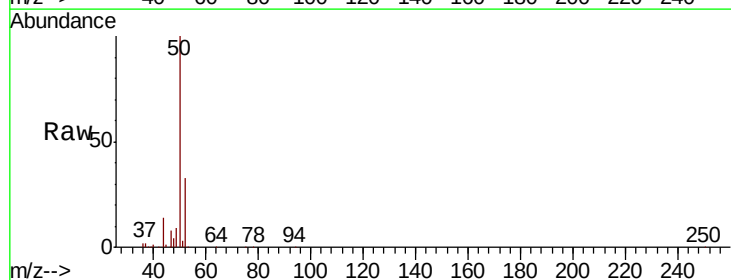
Acq: 29 May 2019 19:49

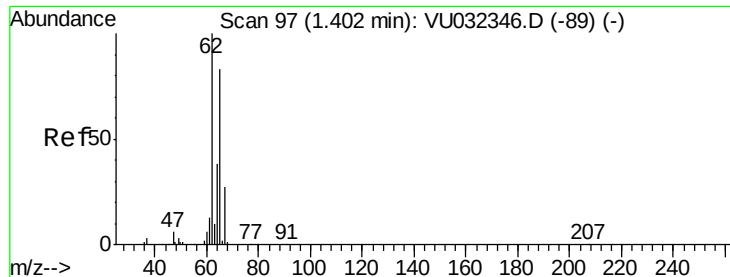
Tgt Ion: 50 Resp: 75909

Ion Ratio Lower Upper

50 100

52 33.2 23.3 43.3





#5

Vinyl chloride

Concen: 4.576 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

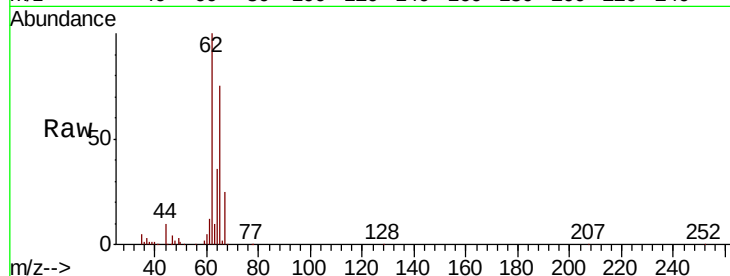
VSTD00517

Tgt Ion: 62 Resp: 80397

Ion Ratio Lower Upper

62 100

64 36.0 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VU032346.D (-89) (-)

Ion 64.10 (63.80 to 64.80): VU032346.D (-89) (-)

80000

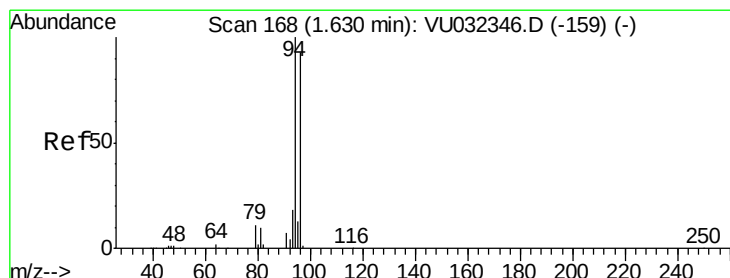
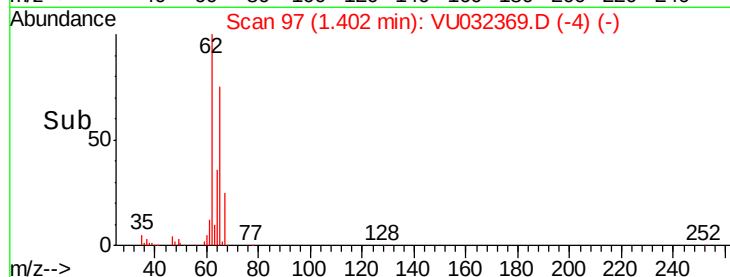
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 3.995 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU032369.D

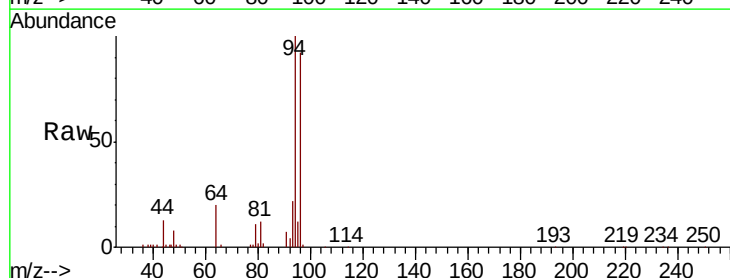
Acq: 29 May 2019 19:49

Tgt Ion: 94 Resp: 44476

Ion Ratio Lower Upper

94 100

96 91.7 63.0 117.0



Abundance Ion 94.00 (93.70 to 94.70): VU032346.D (-159) (-)

Ion 96.00 (95.70 to 96.70): VU032346.D (-159) (-)

40000

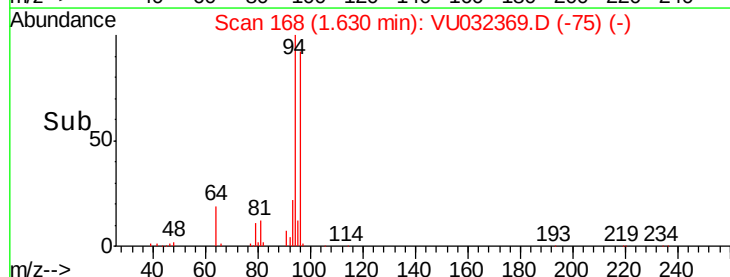
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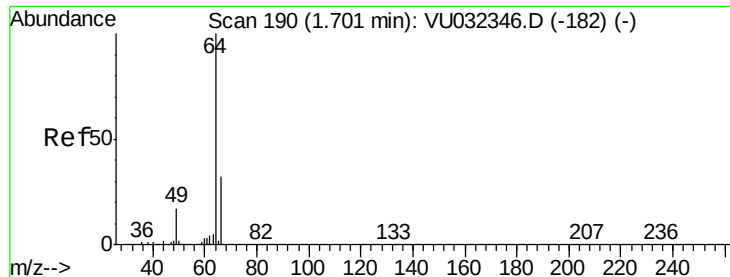
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10000

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Time-->

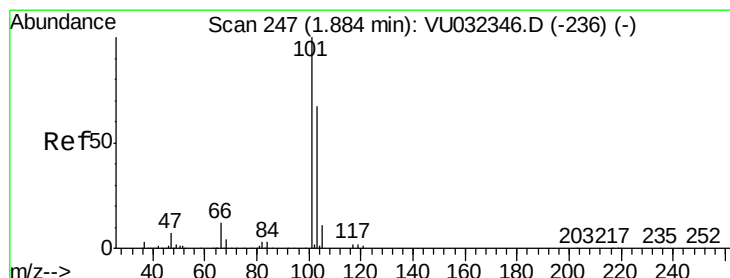
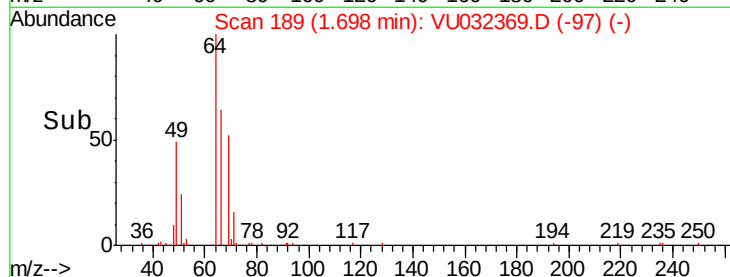
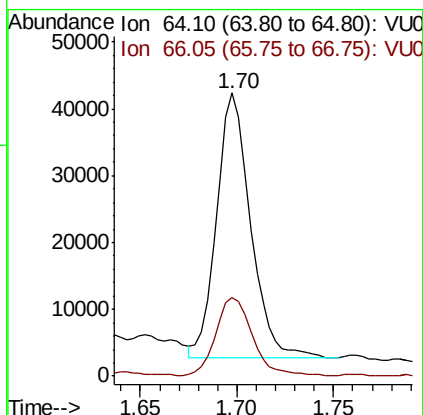
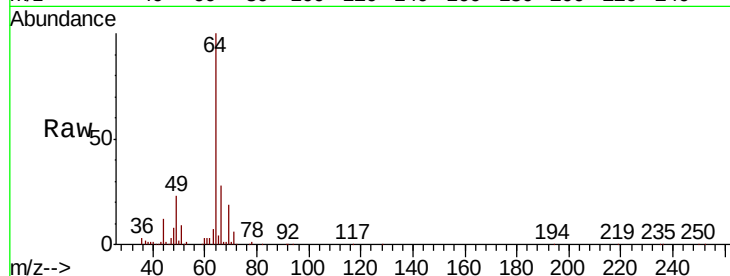




#8
Chloroethane
Concen: 4.375 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU032369.D
Acq: 29 May 2019 19:49

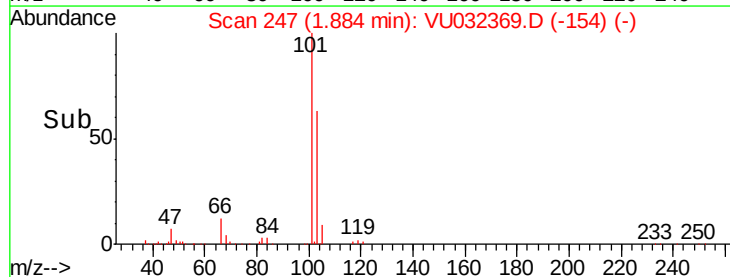
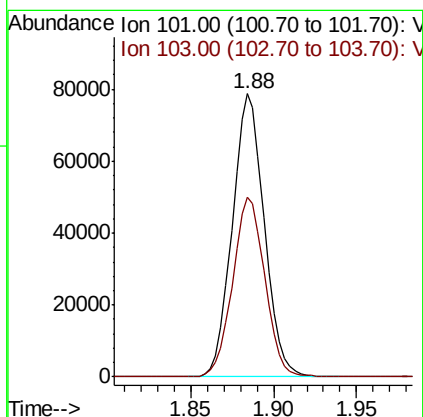
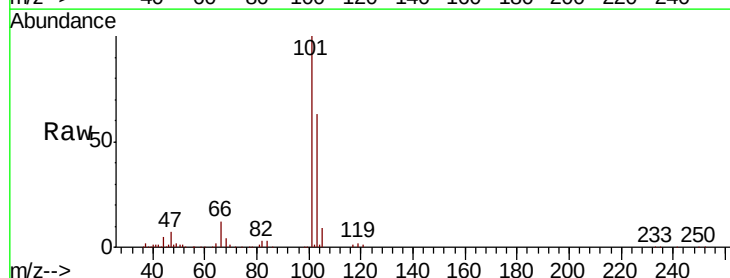
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

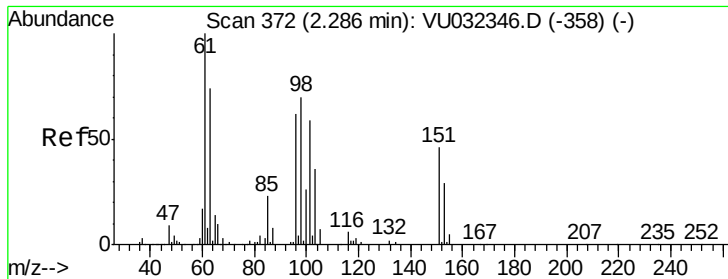
Tgt Ion: 64 Resp: 48789
Ion Ratio Lower Upper
64 100
66 27.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 4.610 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU032369.D
Acq: 29 May 2019 19:49

Tgt Ion: 101 Resp: 104996
Ion Ratio Lower Upper
101 100
103 64.1 51.9 77.9





#10

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

Concen: 4.465 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

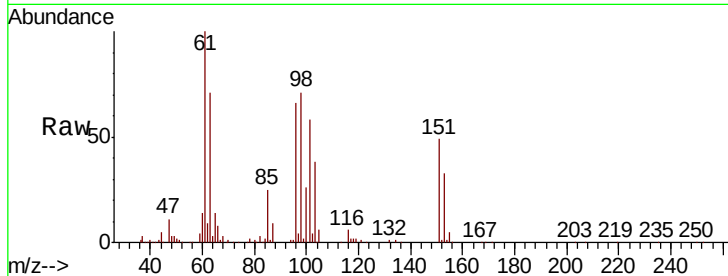
Tgt Ion:101 Resp: 64179

Ion Ratio Lower Upper

101 100

85 41.5 34.2 51.4

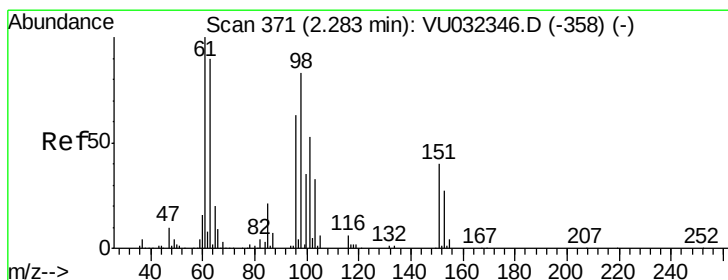
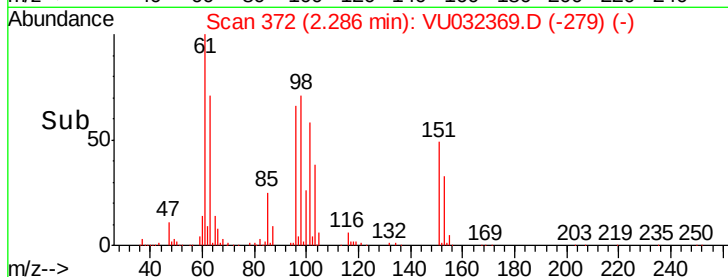
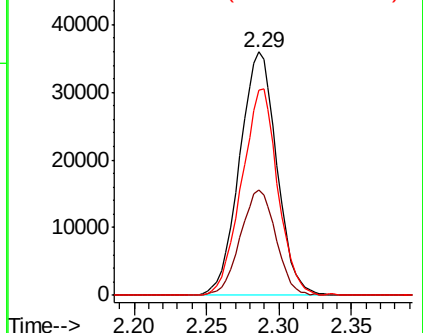
151 82.5 64.4 96.6



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: 4.484 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

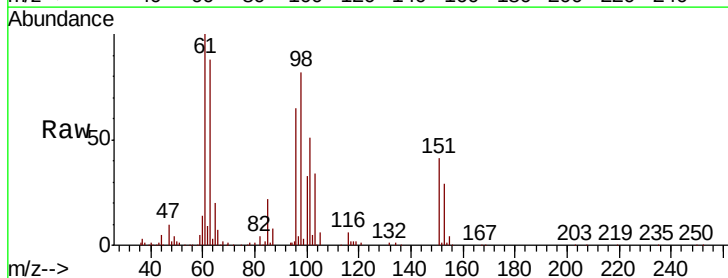
Tgt Ion: 96 Resp: 64776

Ion Ratio Lower Upper

96 100

61 153.9 113.8 211.3

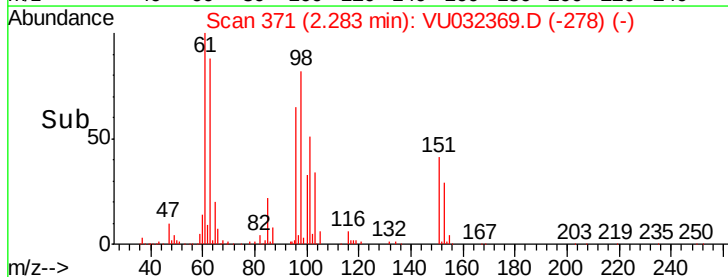
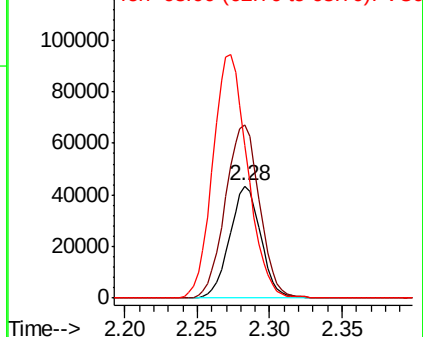
63 136.0 108.8 202.2

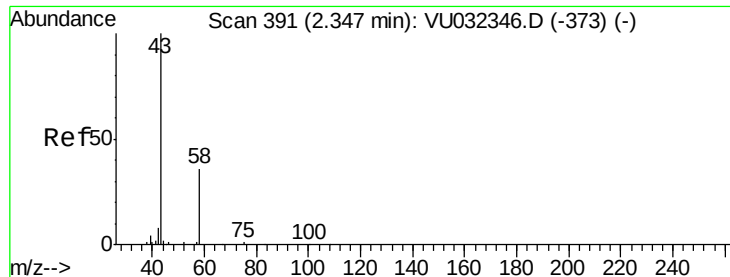


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.334 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.01 min

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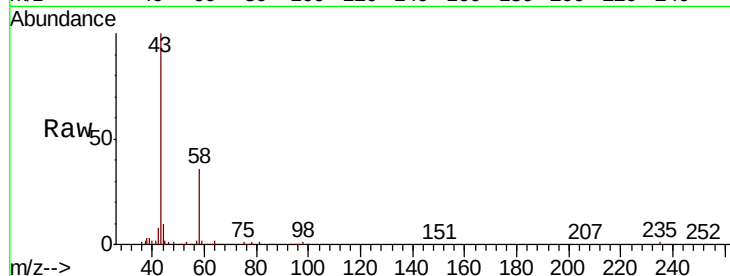
VSTD00517

Tgt Ion: 43 Resp: 94303

Ion Ratio Lower Upper

43 100

58 36.7 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU032346.D (-373) (-)

Ion 58.05 (57.75 to 58.75): VU032346.D (-373) (-)

2.34

50000

40000

30000

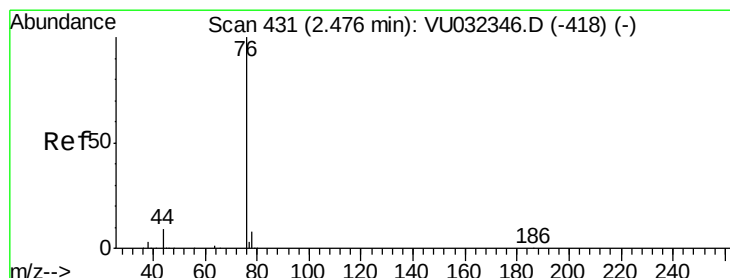
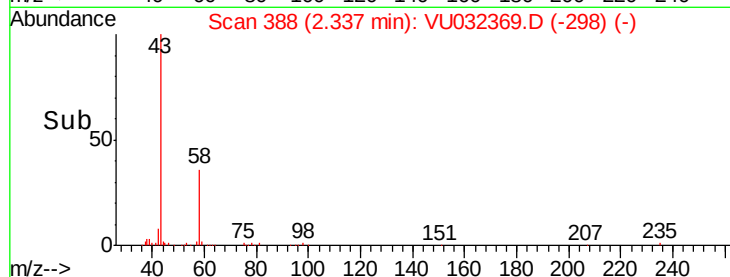
20000

10000

0

Time-->

2.25 2.30 2.35 2.40 2.45



#14

Carbon disulfide

Concen: 4.335 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU032369.D

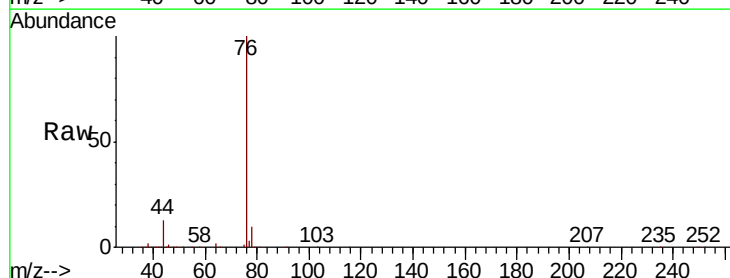
Acq: 29 May 2019 19:49

Tgt Ion: 76 Resp: 194051

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU032346.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU032346.D (-418) (-)

2.47

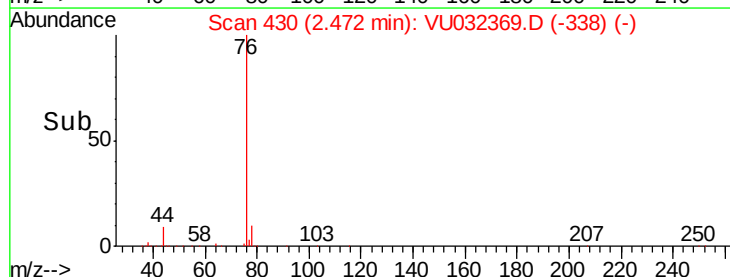
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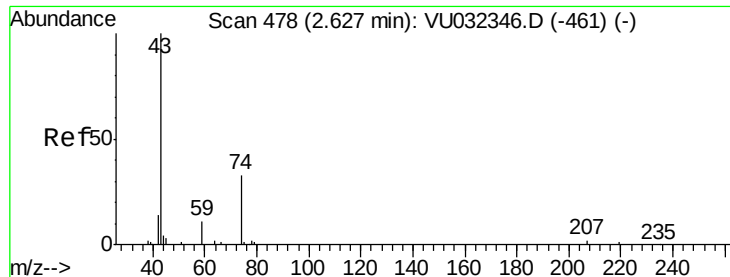
50000

0

Time-->

2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 4.227 ug/L

RT: 2.62 min Scan# 476

Delta R.T. -0.01 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

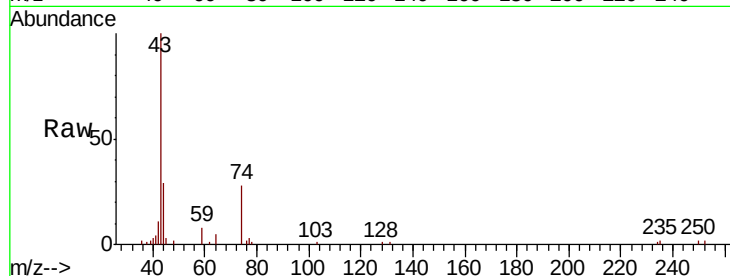
VSTD00517

Tgt Ion: 43 Resp: 24711

Ion Ratio Lower Upper

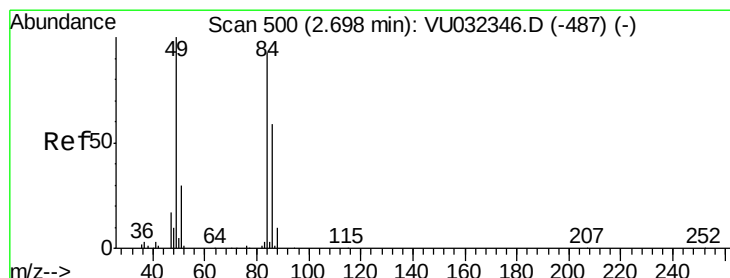
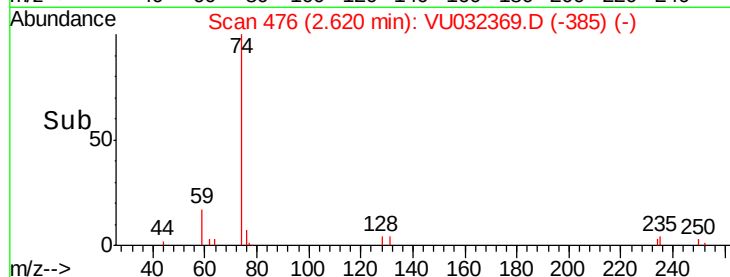
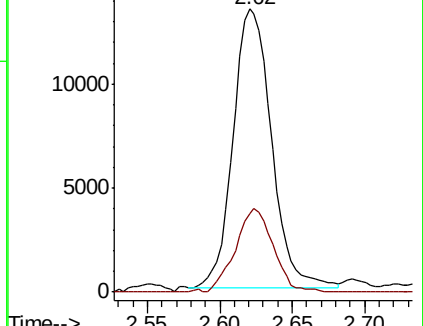
43 100

74 29.3 27.3 40.9



Abundance Ion 43.05 (42.75 to 43.75): VU032346.D (-461) (-)

Ion 74.05 (73.75 to 74.75): VU032346.D (-461) (-)



#16

Methylene chloride

Concen: 3.654 ug/L

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

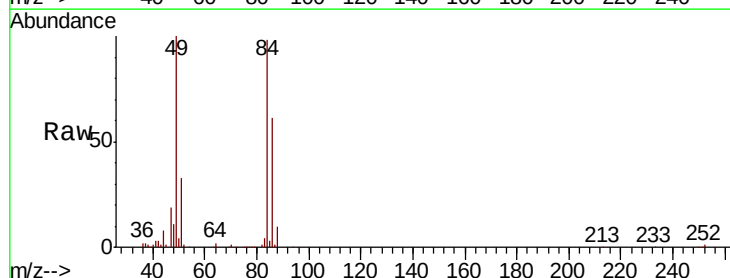
Tgt Ion: 84 Resp: 70416

Ion Ratio Lower Upper

84 100

86 61.8 43.6 81.0

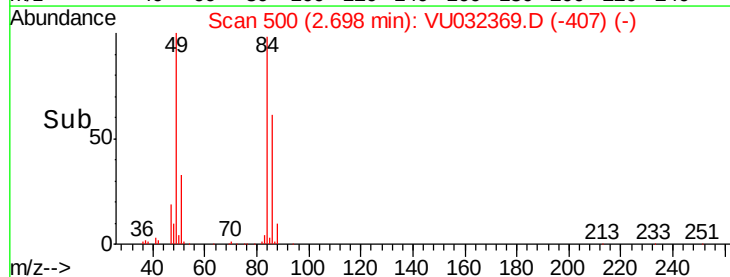
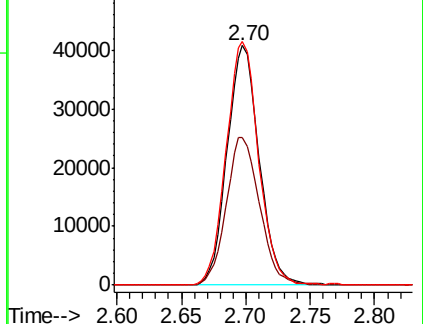
49 101.7 71.1 132.1

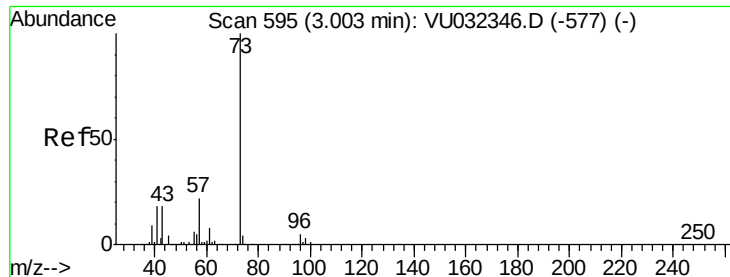


Abundance Ion 84.05 (83.75 to 84.75): VU032346.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU032346.D (-487) (-)

Ion 49.10 (48.80 to 49.80): VU032346.D (-487) (-)





#17

Methyl tert-butyl Ether

Concen: 4.894 ug/L

RT: 3.00 min Scan# 595

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

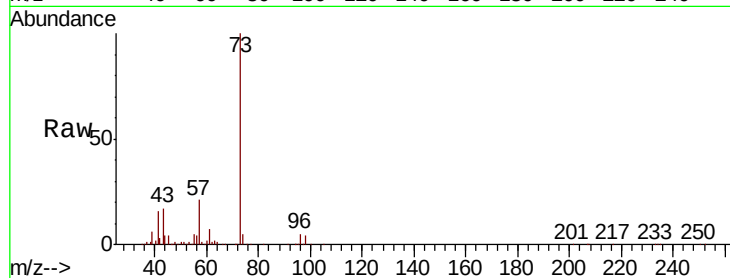
Tgt Ion: 73 Resp: 159409

Ion Ratio Lower Upper

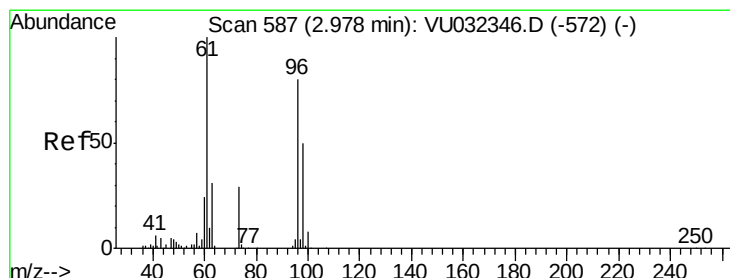
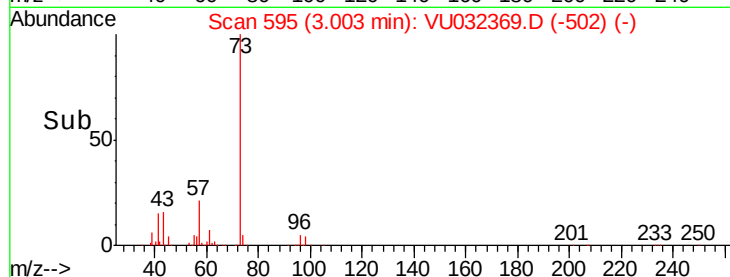
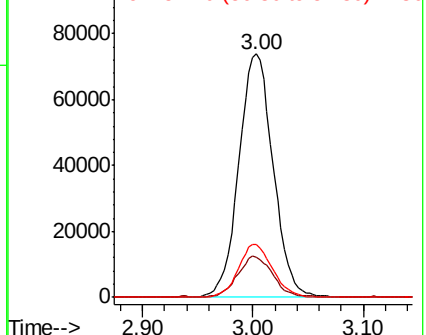
73 100

43 17.4 13.8 20.6

57 21.6 16.2 24.4



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: 4.588 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

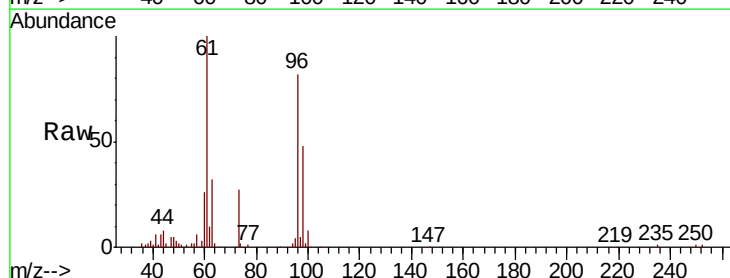
Tgt Ion: 96 Resp: 71134

Ion Ratio Lower Upper

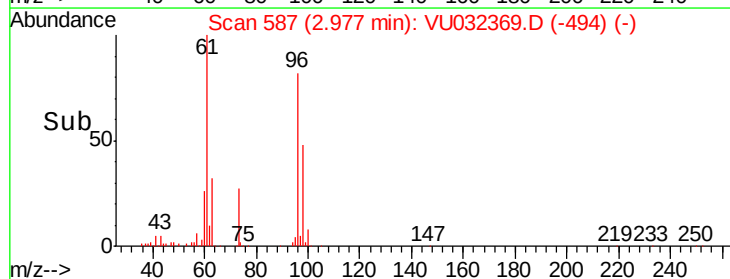
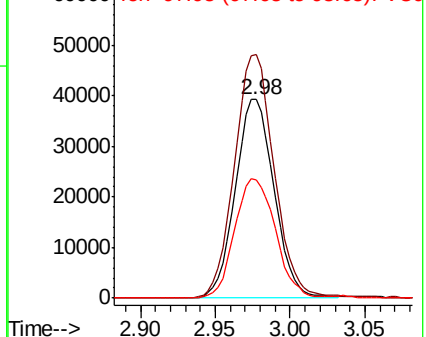
96 100

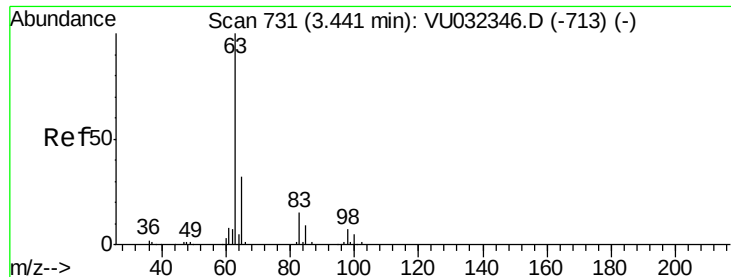
61 122.6 90.6 168.3

98 59.3 49.5 91.9



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

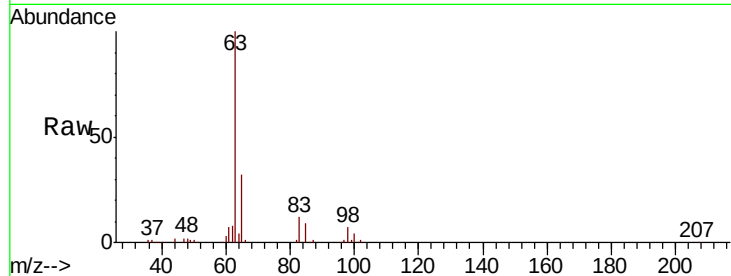




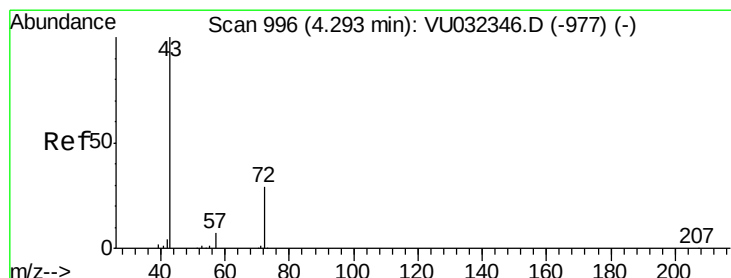
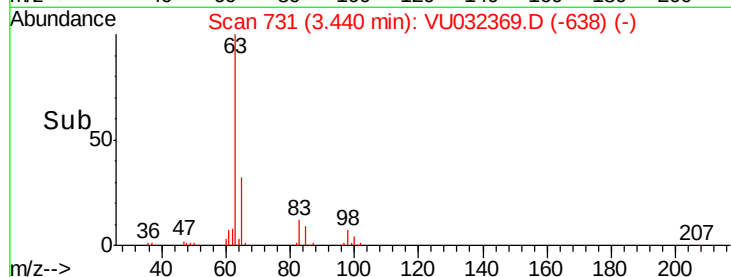
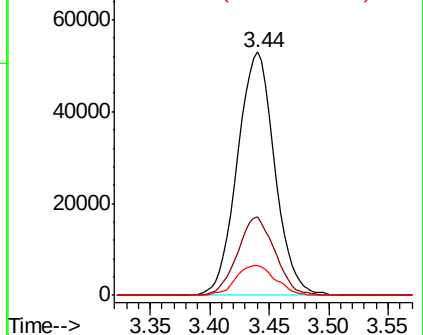
#19
 1,1-Dichloroethane
 Concen: 4.813 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion: 63 Resp: 115255
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.5 43.7
 83 12.5 8.8 16.3

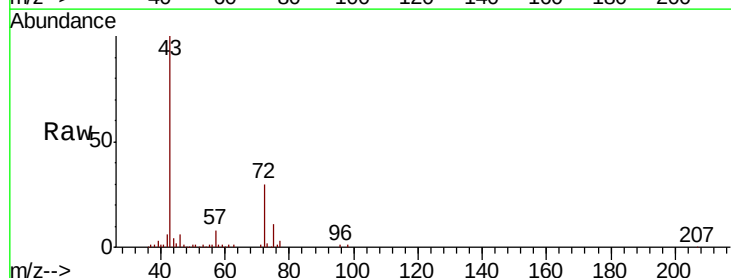


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

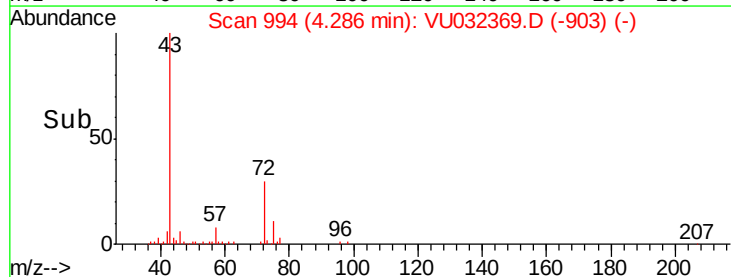
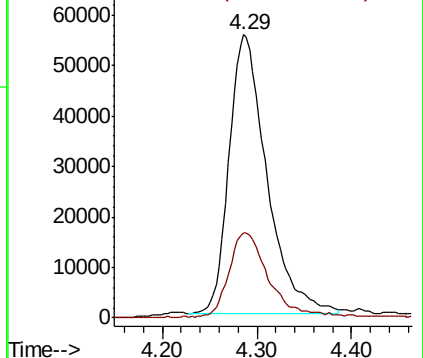


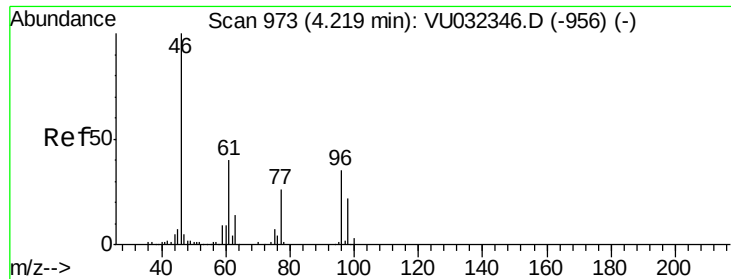
#21
 2-Butanone
 Concen: 50.816 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Tgt Ion: 43 Resp: 152731
 Ion Ratio Lower Upper
 43 100
 72 31.2 15.2 45.6



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



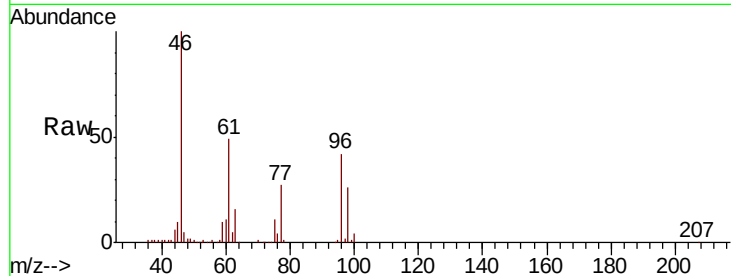


#22

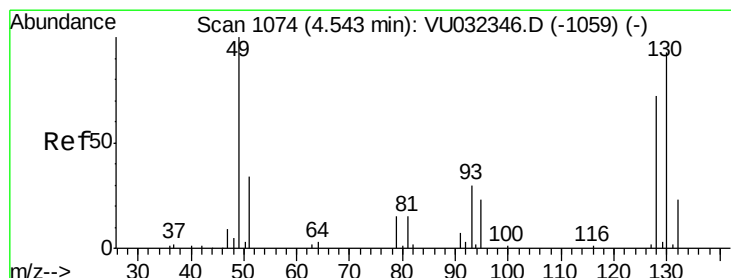
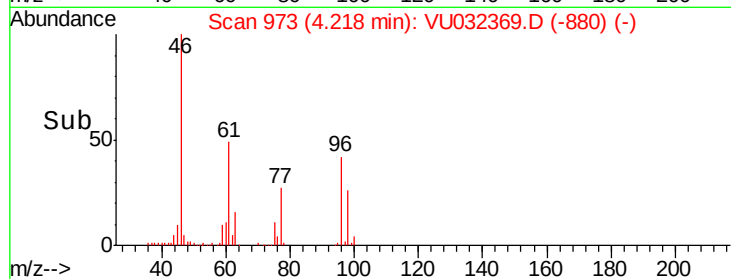
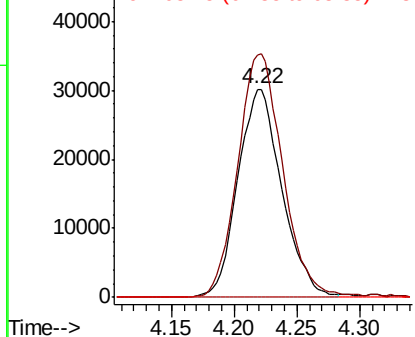
cis-1,2-Dichloroethene
 Concen: 4.860 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion: 96 Resp: 73559
 Ion Ratio Lower Upper
 96 100
 61 116.7 82.5 153.1
 68 0.0 0.0 0.0



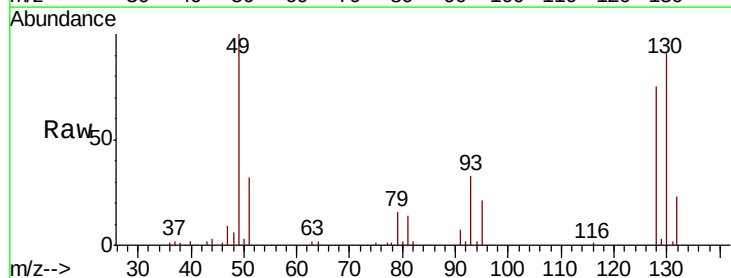
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



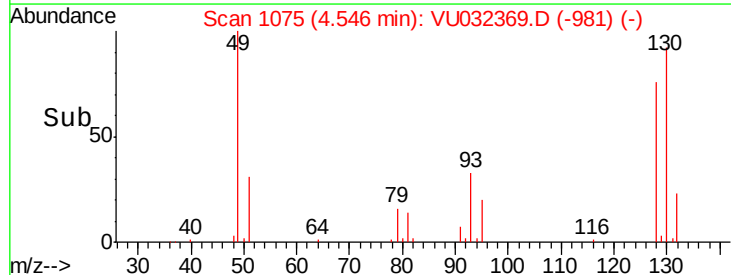
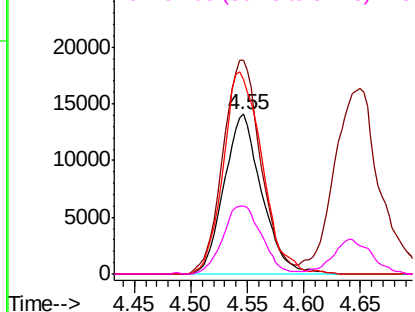
#23

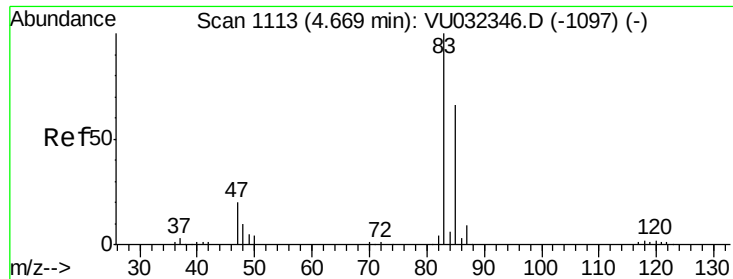
Bromochloromethane
 Concen: 4.872 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Tgt Ion: 128 Resp: 32587
 Ion Ratio Lower Upper
 128 100
 49 133.9 93.9 174.3
 130 122.0 85.3 158.3
 51 42.7 35.6 53.4



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

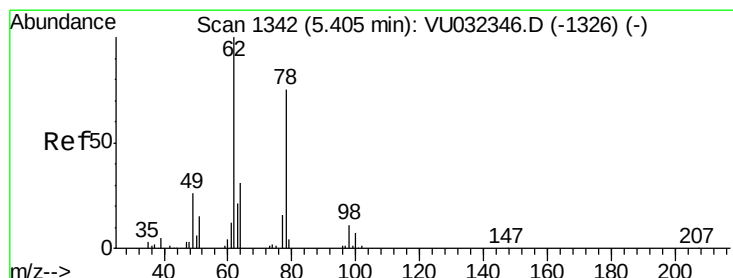
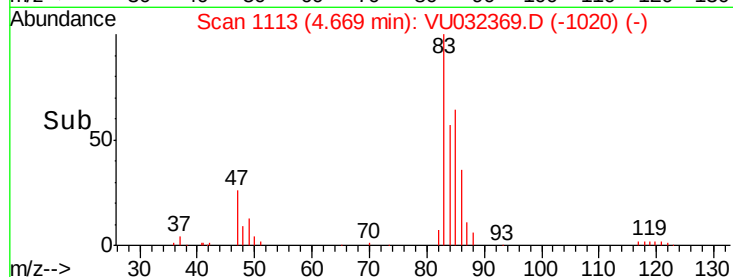
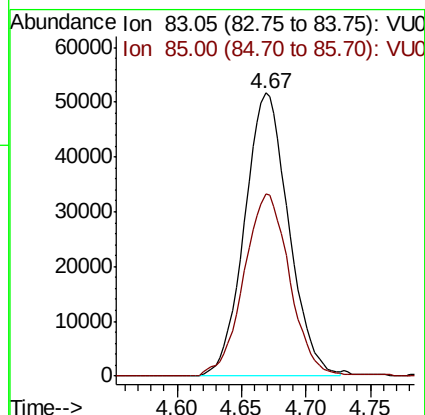
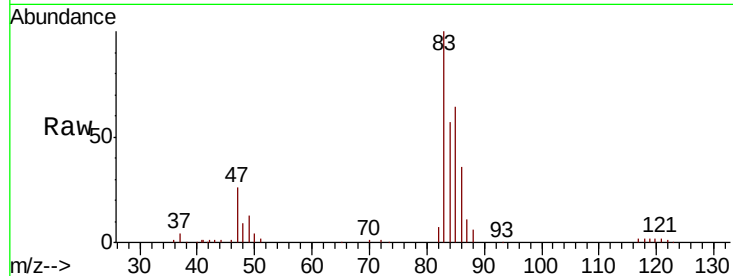




#25
Chloroform
Concen: 4.758 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU032369.D
Acq: 29 May 2019 19:49

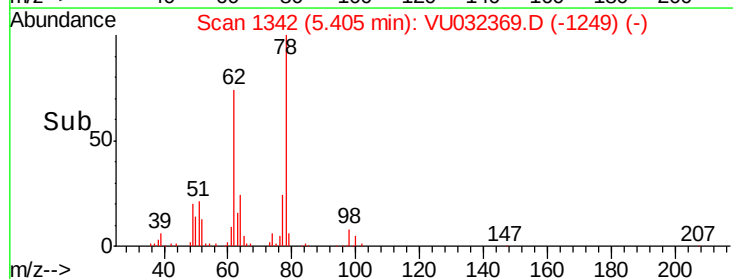
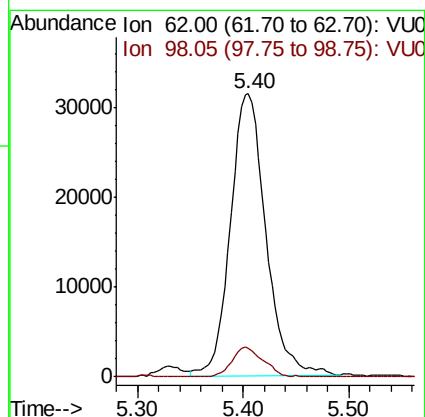
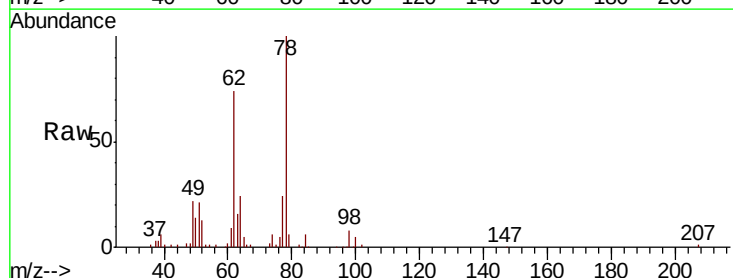
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

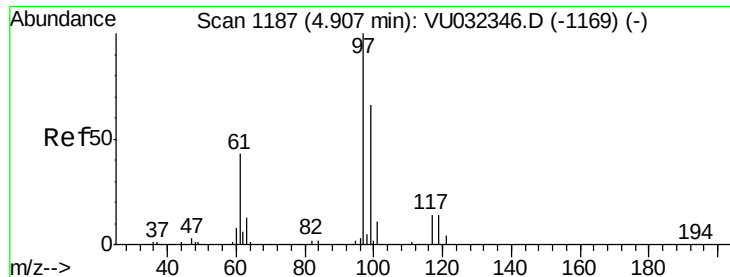
Tgt Ion: 83 Resp: 123065
Ion Ratio Lower Upper
83 100
85 64.3 41.6 77.3



#27
1,2-Dichloroethane
Concen: 4.846 ug/L
RT: 5.40 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VU032369.D
Acq: 29 May 2019 19:49

Tgt Ion: 62 Resp: 72941
Ion Ratio Lower Upper
62 100
98 10.3 8.2 12.2

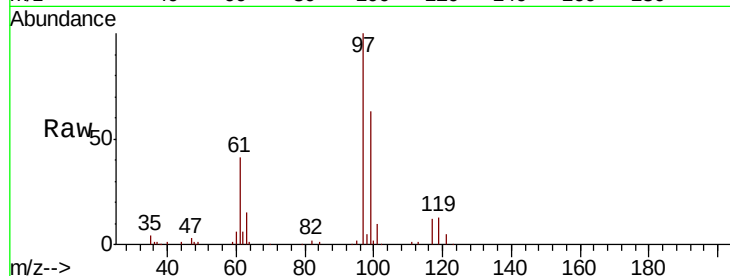




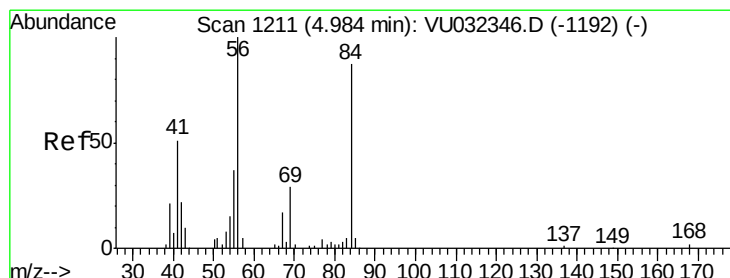
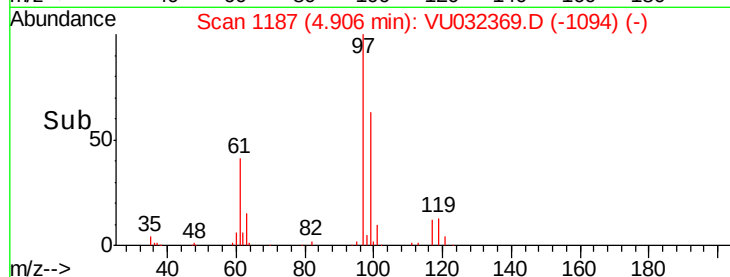
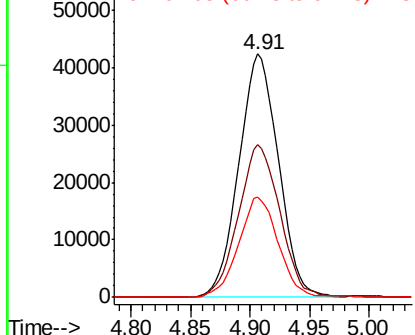
#29
 1,1,1-Trichloroethane
 Concen: 4.809 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion: 97 Resp: 97899
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.3 75.5
 61 40.9 34.1 51.1

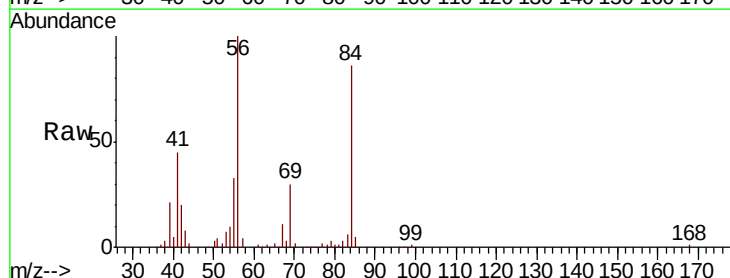


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

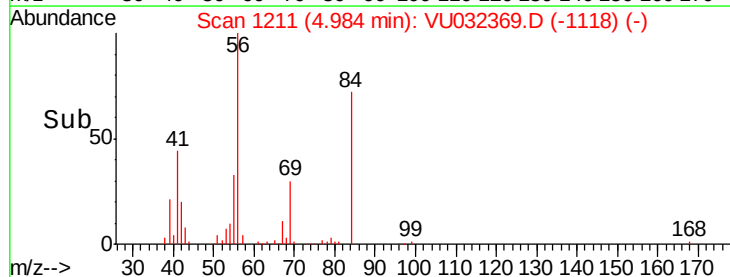
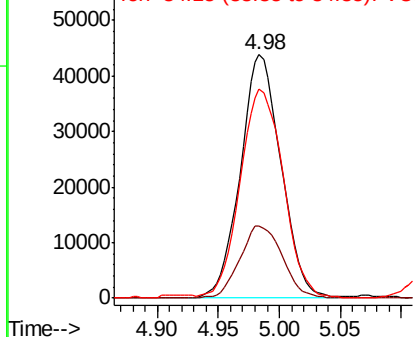


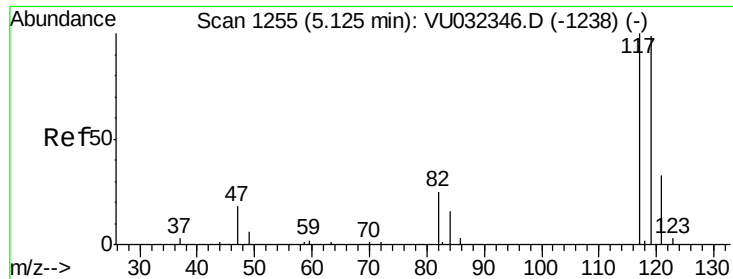
#30
 Cyclohexane
 Concen: 5.303 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Tgt Ion: 56 Resp: 100921
 Ion Ratio Lower Upper
 56 100
 69 31.0 26.6 39.8
 84 91.2 75.0 112.6



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: 4.814 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

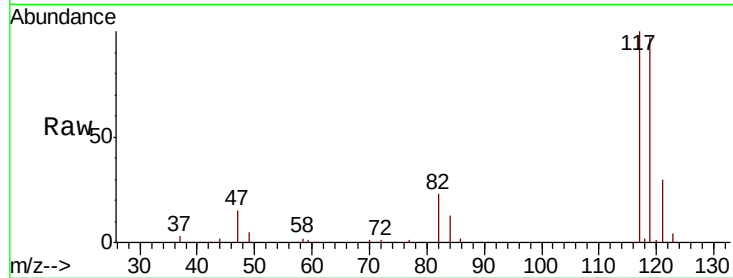
VSTD00517

Tgt Ion:117 Resp: 86342

Ion Ratio Lower Upper

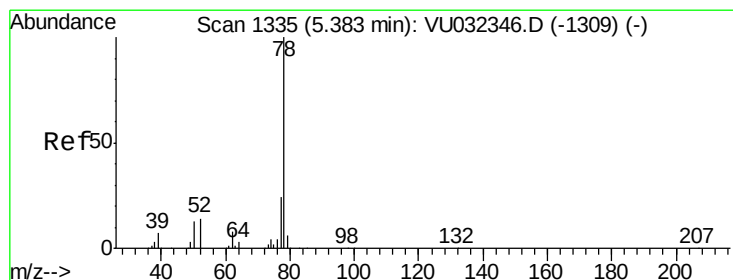
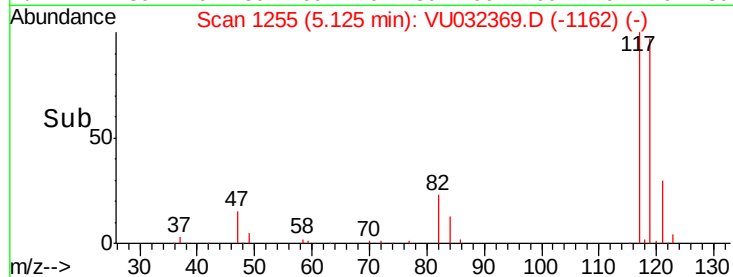
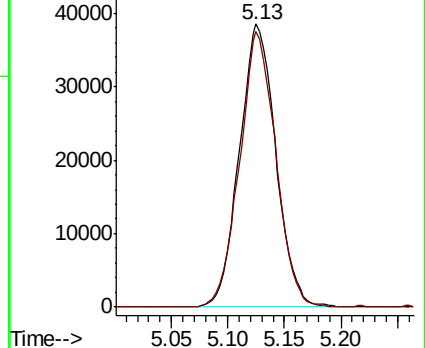
117 100

119 96.6 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.001 ug/L

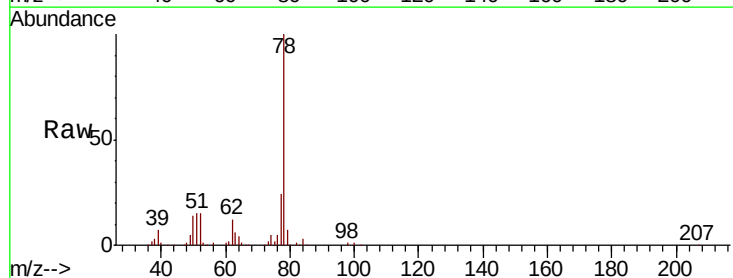
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

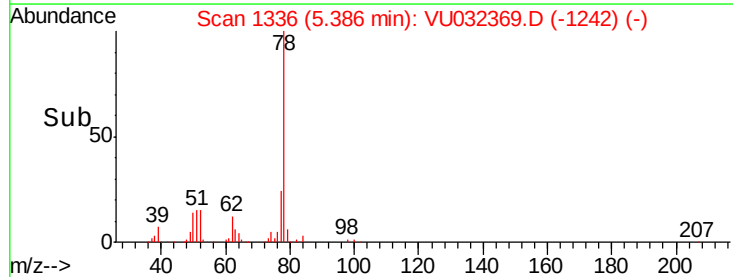
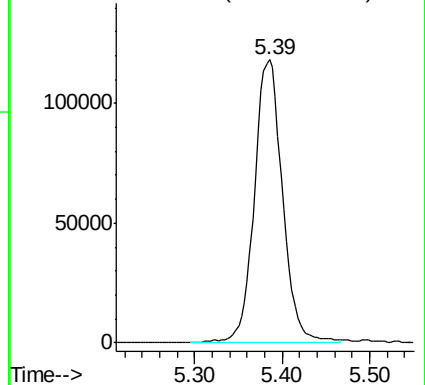
Lab File: VU032369.D

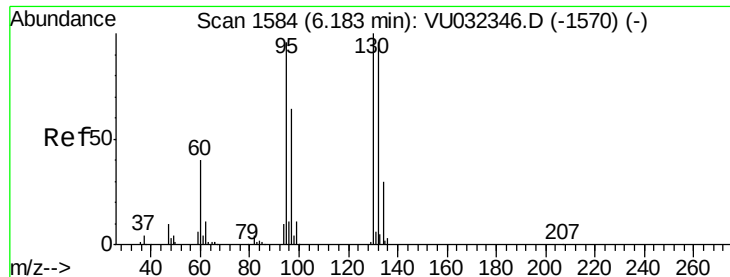
Acq: 29 May 2019 19:49

Tgt Ion: 78 Resp: 265329



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.928 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

Tgt Ion: 95 Resp: 70172

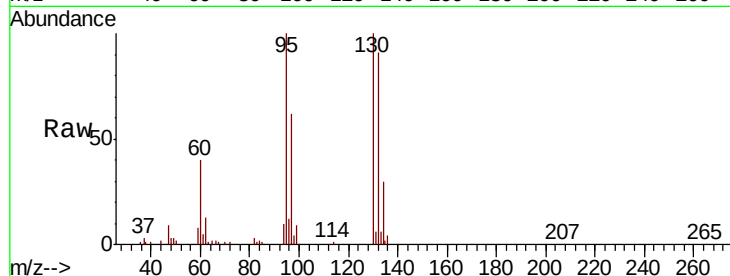
Ion Ratio Lower Upper

95 100

97 61.8 39.9 74.1

132 91.1 65.9 122.5

130 99.7 70.6 131.2

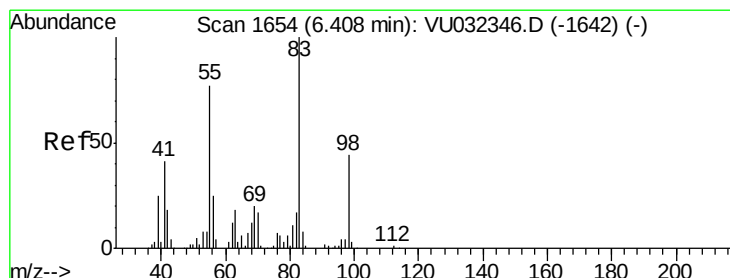
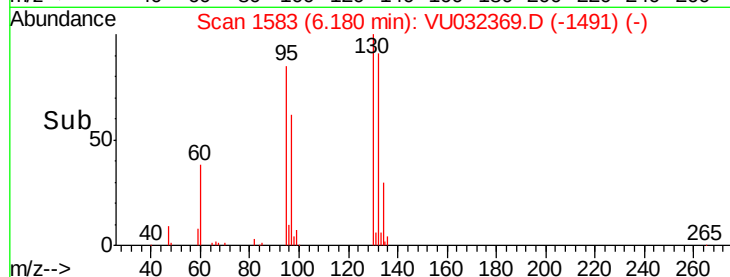
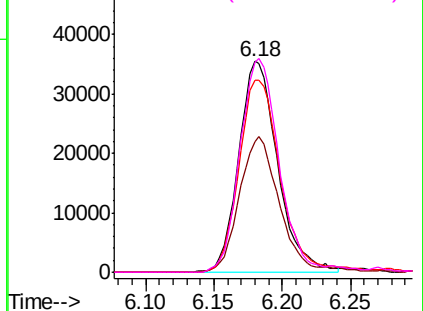


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.021 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

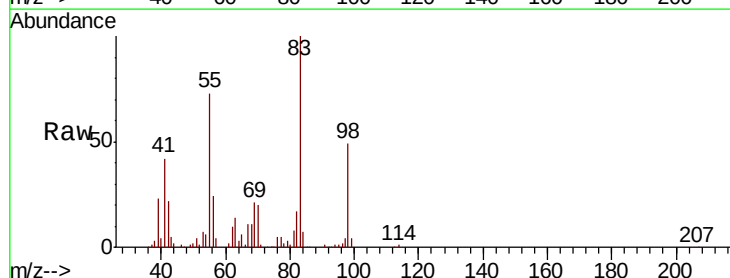
Tgt Ion: 83 Resp: 105309

Ion Ratio Lower Upper

83 100

55 74.9 59.7 89.5

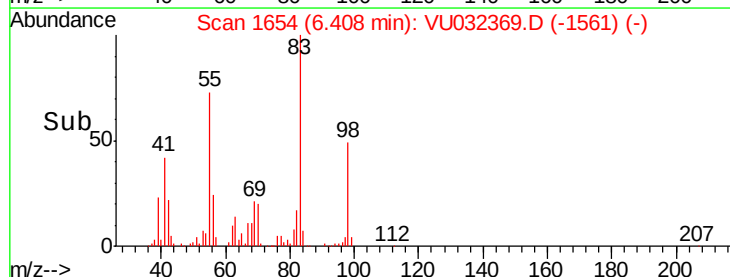
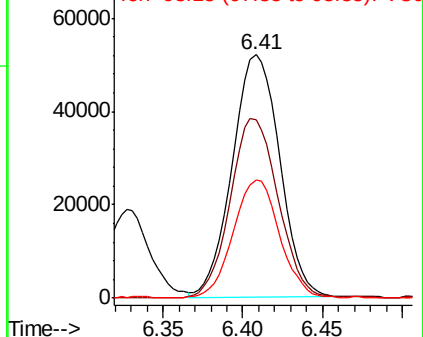
98 47.8 37.5 56.3

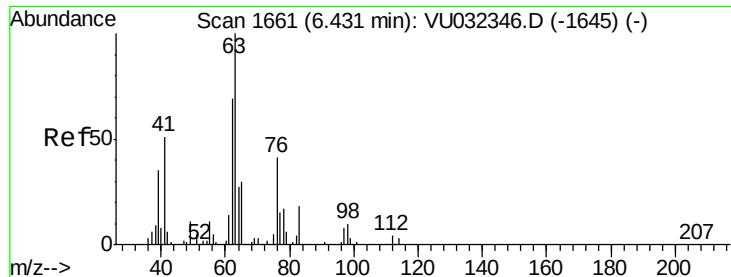


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

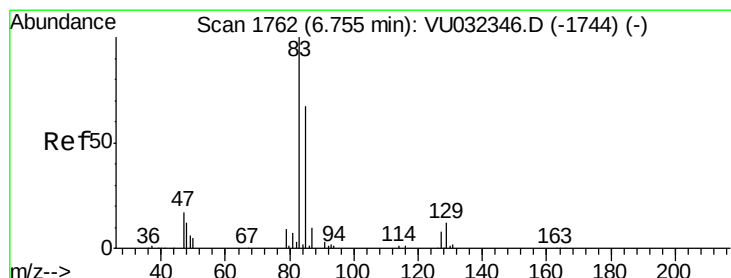
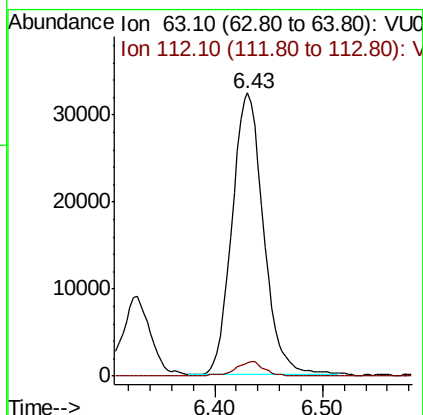
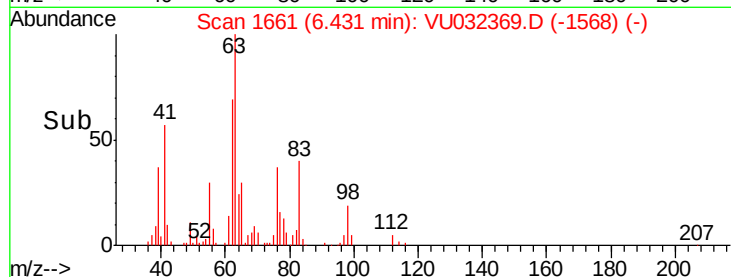
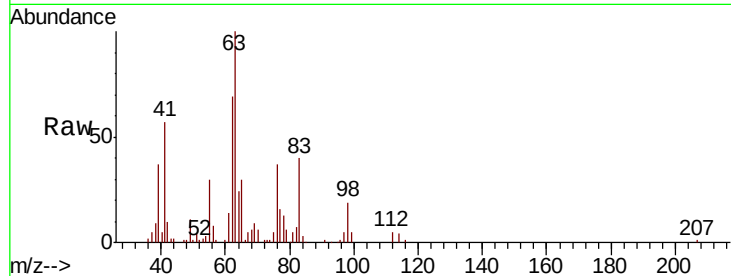




#37
 1,2-Dichloropropane
 Concen: 5.151 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

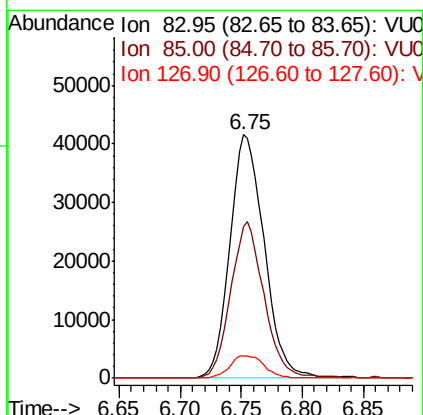
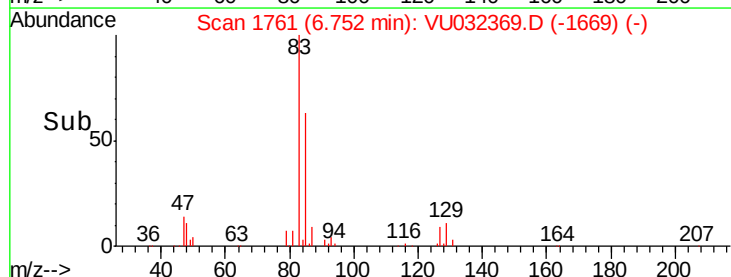
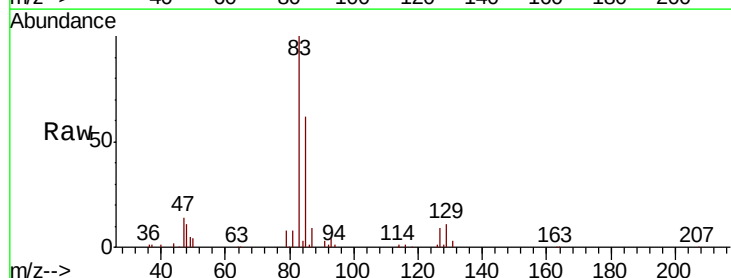
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

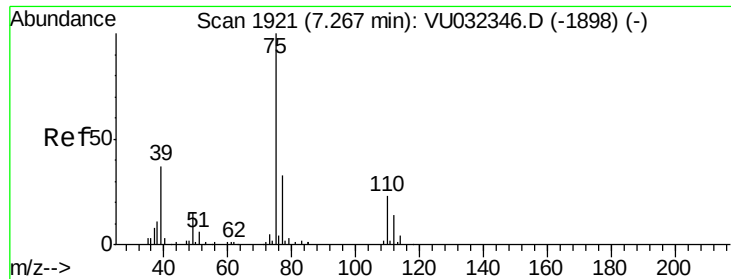
Tgt Ion: 63 Resp: 65803
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.905 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Tgt Ion: 83 Resp: 81429
 Ion Ratio Lower Upper
 83 100
 85 62.3 44.4 82.4
 127 9.4 7.0 10.6



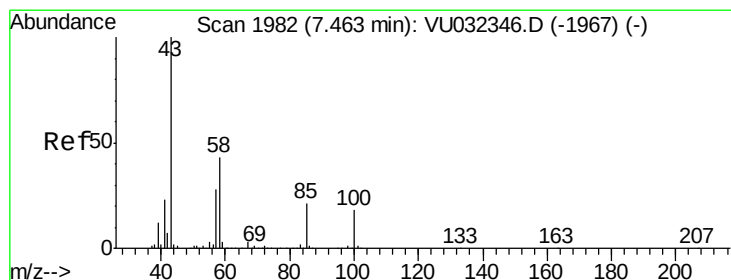
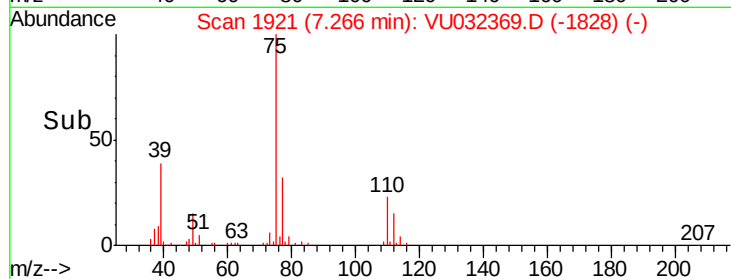
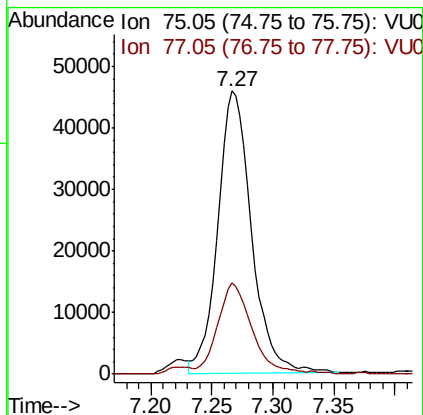
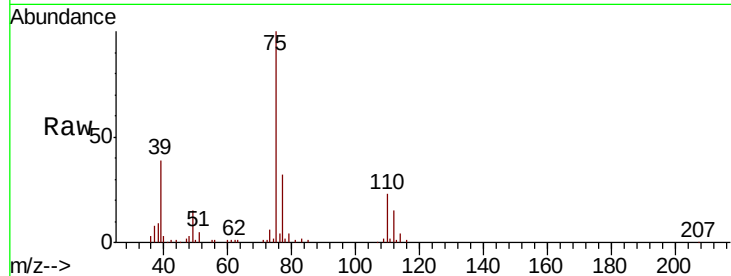


#39

cis-1,3-Dichloropropene
 Concen: 4.881 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

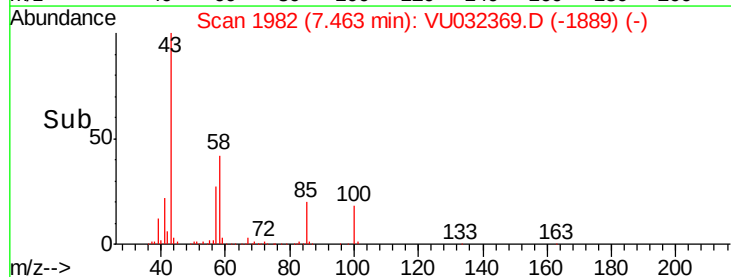
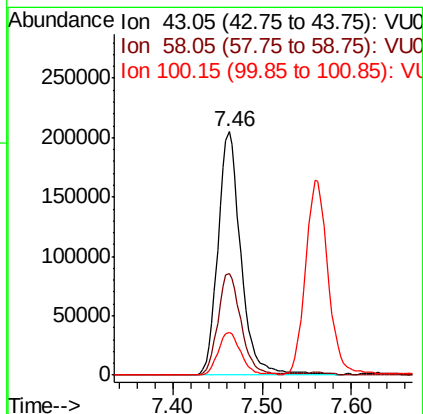
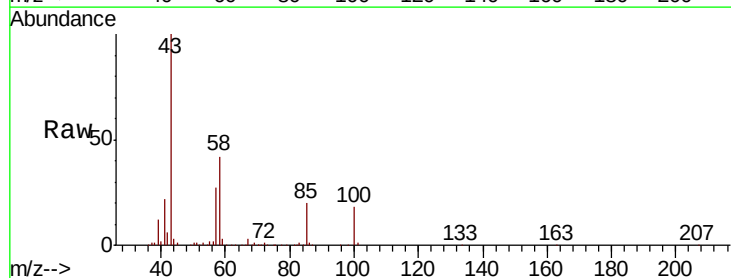
Tgt Ion: 75 Resp: 88784
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.6 42.0

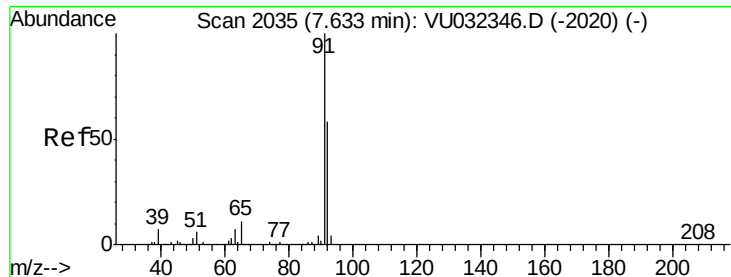


#40

4-Methyl-2-pentanone
 Concen: 56.672 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Tgt Ion: 43 Resp: 365938
 Ion Ratio Lower Upper
 43 100
 58 42.1 35.8 53.6
 100 17.6 14.6 22.0





#42

Toluene

Concen: 5.056 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

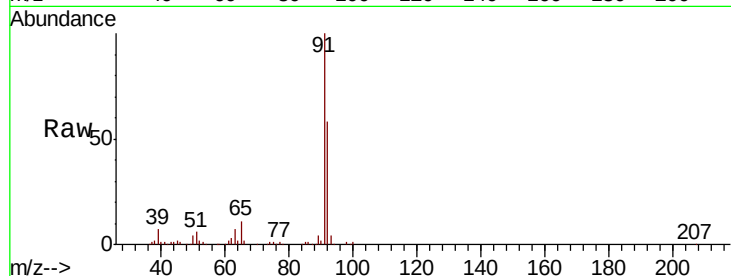
VSTD00517

Tgt Ion: 91 Resp: 285049

Ion Ratio Lower Upper

91 100

92 57.7 38.5 71.5



Abundance Ion 91.15 (90.85 to 91.85): VU032346.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032346.D (-2020) (-)

7.63

150000

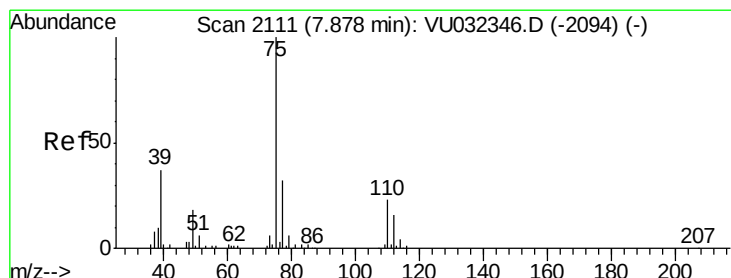
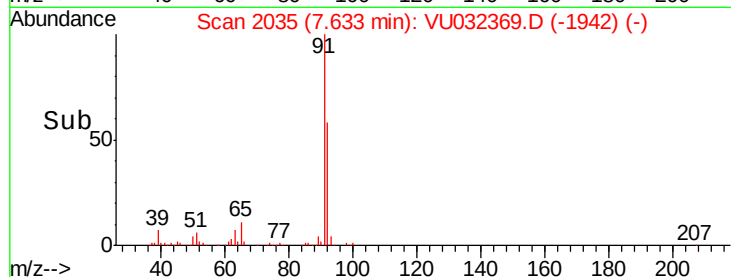
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.069 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU032369.D

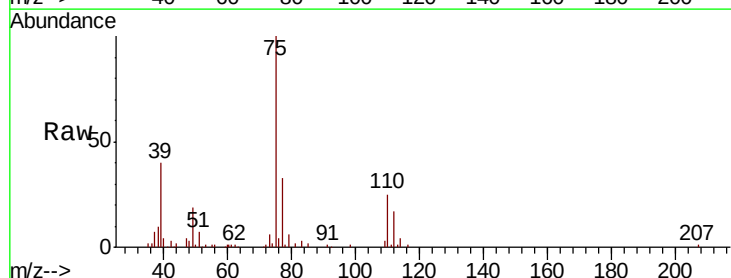
Acq: 29 May 2019 19:49

Tgt Ion: 75 Resp: 72442

Ion Ratio Lower Upper

75 100

77 32.6 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VU032346.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU032346.D (-2094) (-)

7.88

40000

30000

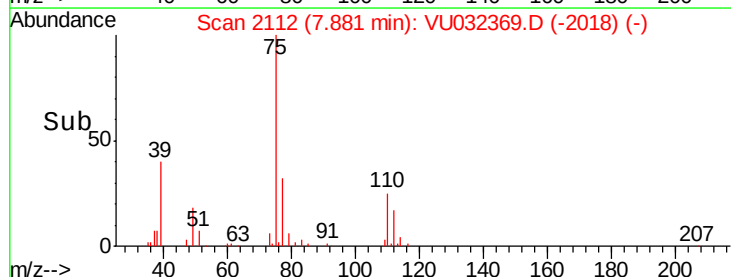
20000

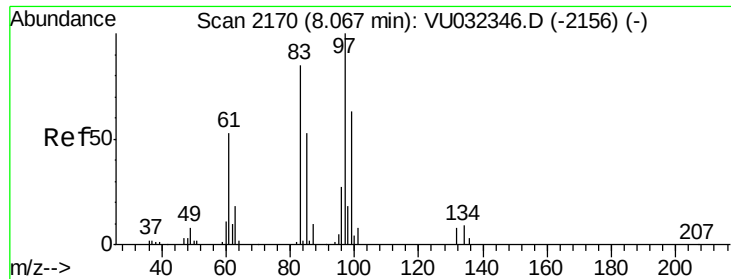
10000

0

7.80 7.90

Time-->

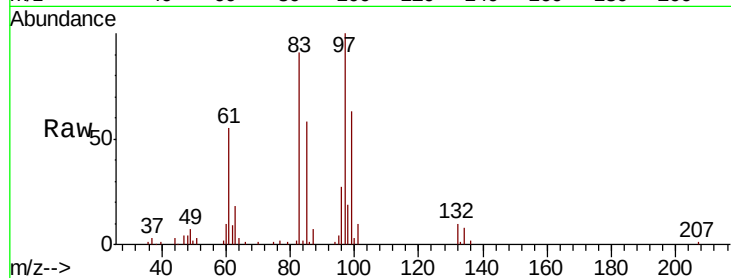




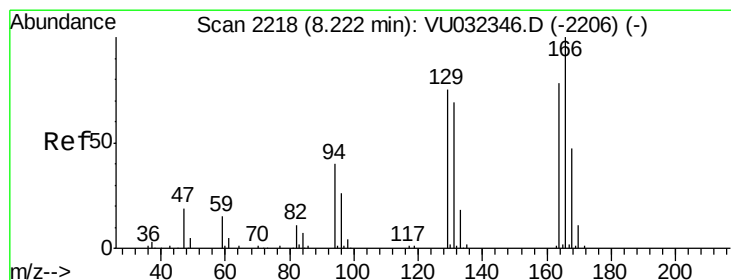
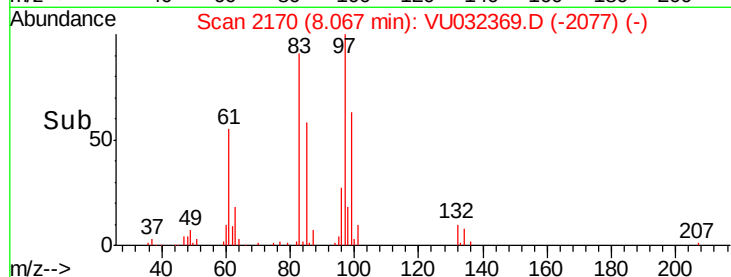
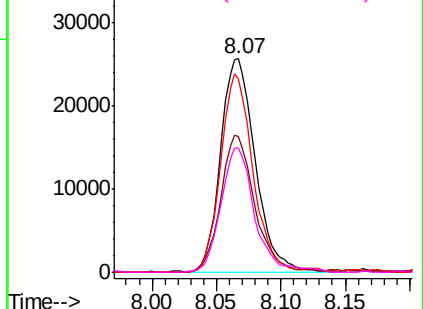
#45
 1,1,2-Trichloroethane
 Concen: 4.861 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion:	97	Resp:	47951
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.2	82.0
83	90.7	60.5	112.3
85	57.9	36.3	67.3

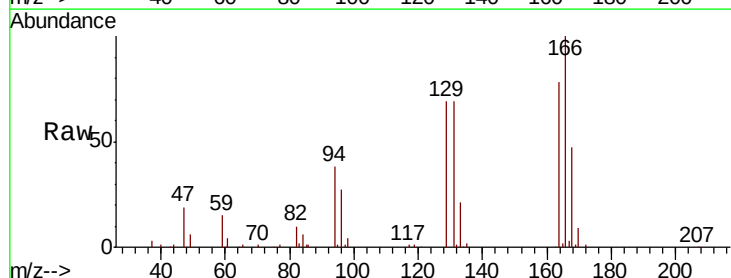


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

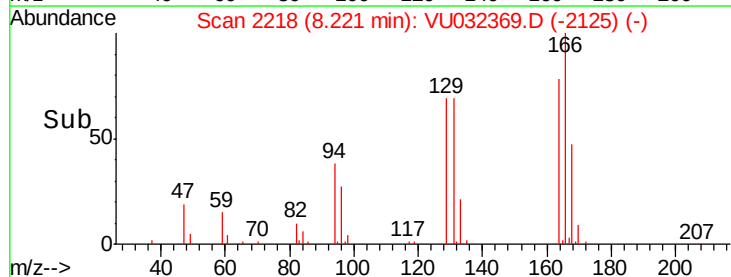
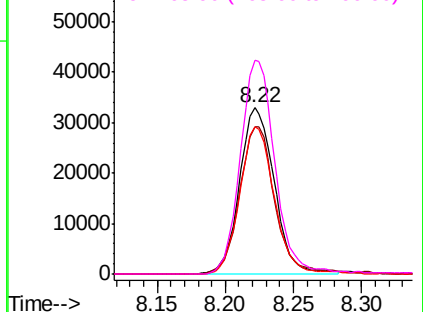


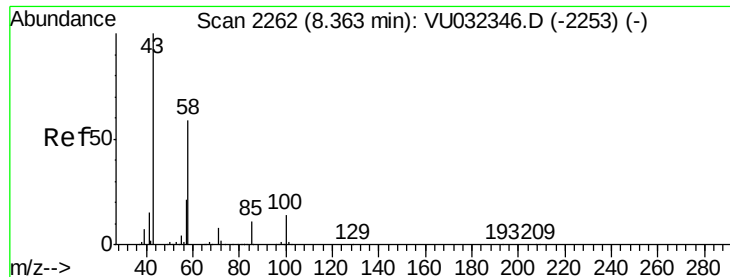
#47
 Tetrachloroethene
 Concen: 4.972 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Tgt Ion:	164	Resp:	58447
Ion	Ratio	Lower	Upper
164	100		
129	88.7	67.1	124.7
131	88.4	62.2	115.4
166	128.5	90.9	168.9



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

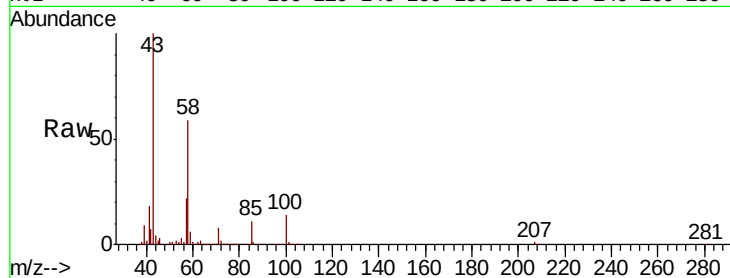




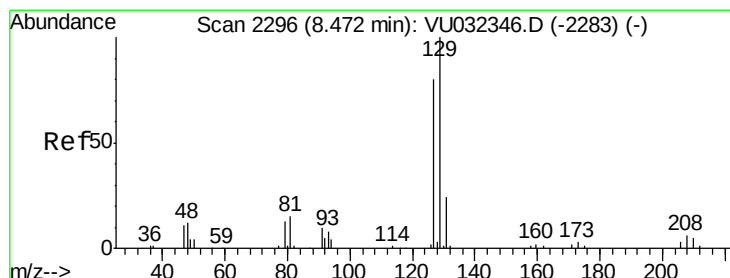
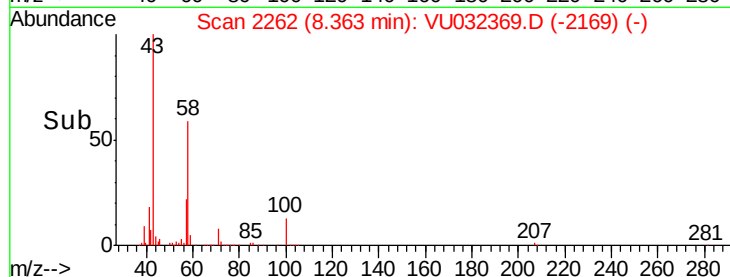
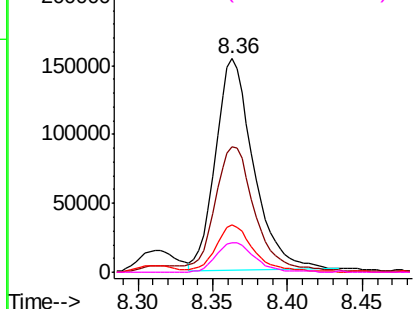
#48
2-Hexanone
Concen: 55.031 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU032369.D
Acq: 29 May 2019 19:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tgt Ion: 43 Resp: 272546
Ion Ratio Lower Upper
43 100
58 62.4 49.7 74.5
57 22.0 17.1 25.7
100 14.0 11.6 17.4

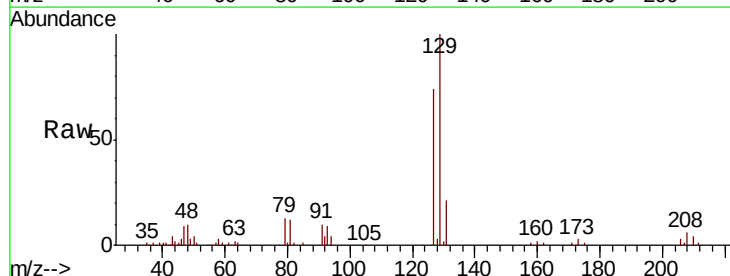


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

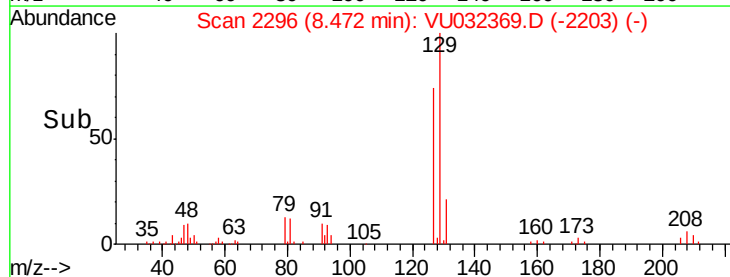
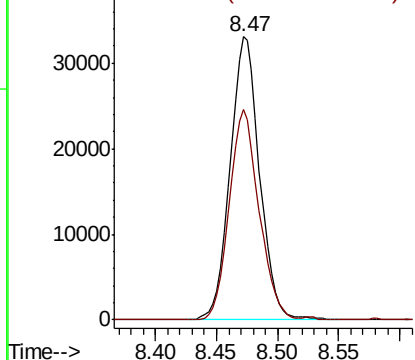


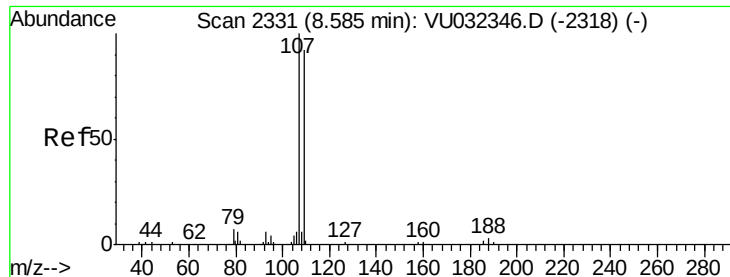
#49
Dibromochloromethane
Concen: 4.946 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032369.D
Acq: 29 May 2019 19:49

Tgt Ion: 129 Resp: 55534
Ion Ratio Lower Upper
129 100
127 74.4 51.7 95.9



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

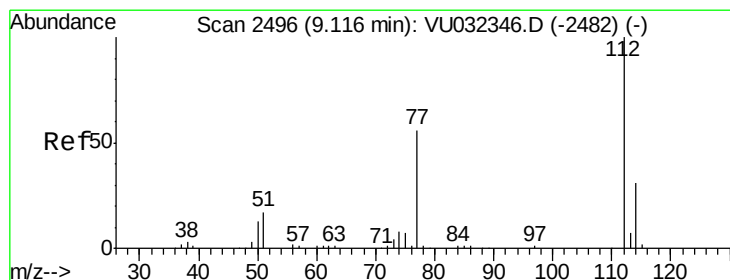
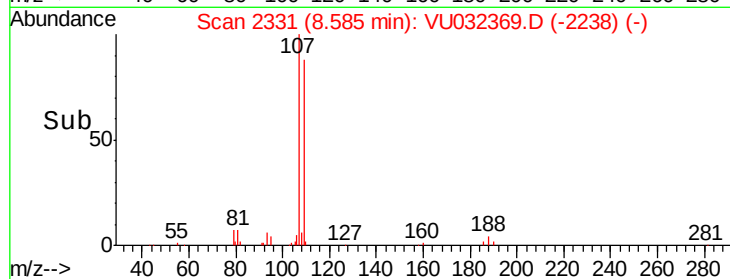
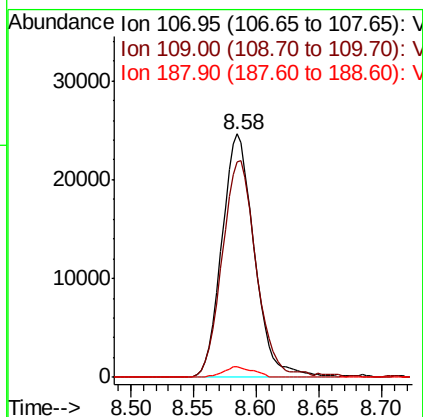
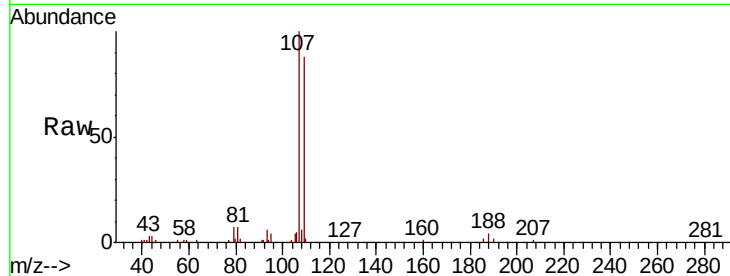




#50
1,2-Dibromoethane
Concen: 4.773 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU032369.D
Acq: 29 May 2019 19:49

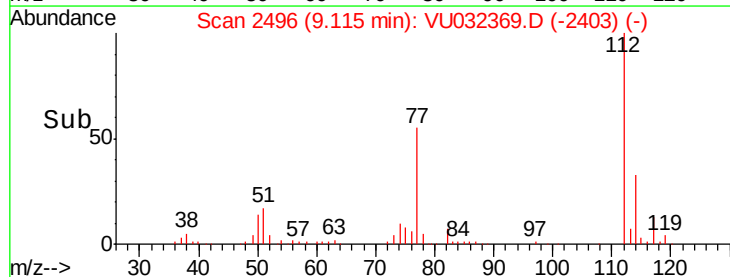
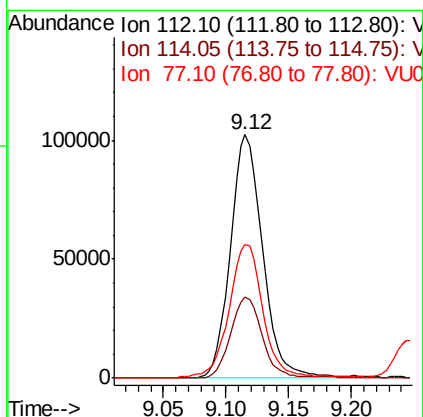
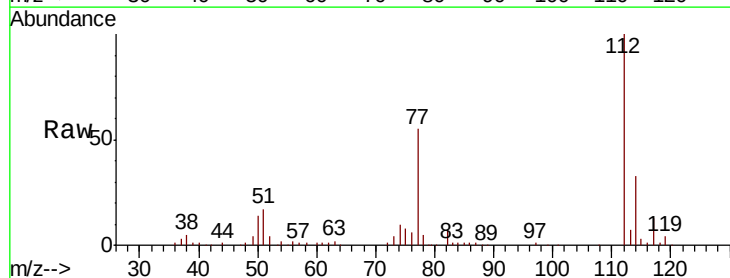
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

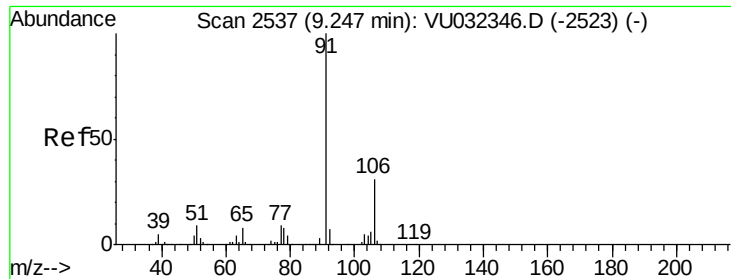
Tgt Ion:107 Resp: 44385
Ion Ratio Lower Upper
107 100
109 88.3 65.8 122.2
188 4.3 2.6 3.8#



#51
Chlorobenzene
Concen: 5.063 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU032369.D
Acq: 29 May 2019 19:49

Tgt Ion:112 Resp: 182660
Ion Ratio Lower Upper
112 100
114 33.3 22.6 42.0
77 54.9 46.8 70.2





#52

Ethylbenzene

Concen: 5.305 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

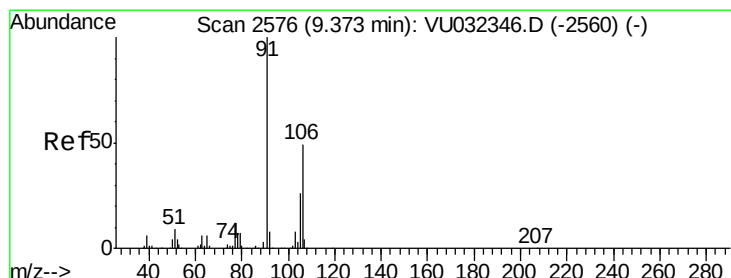
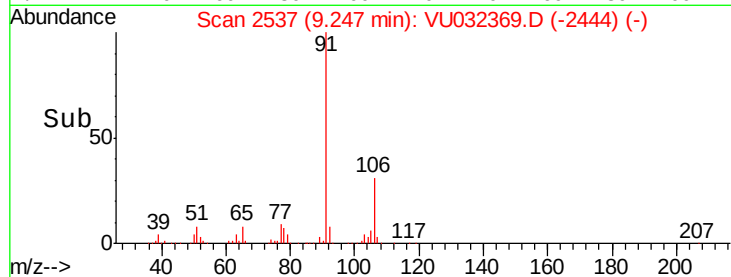
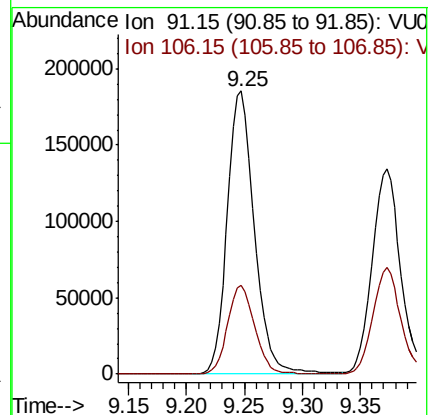
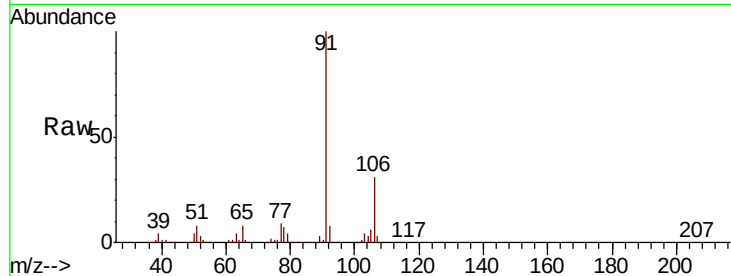
VSTD00517

Tgt Ion: 91 Resp: 301062

Ion Ratio Lower Upper

91 100

106 31.4 20.9 38.9



#53

m,p-Xylene

Concen: 5.525 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU032369.D

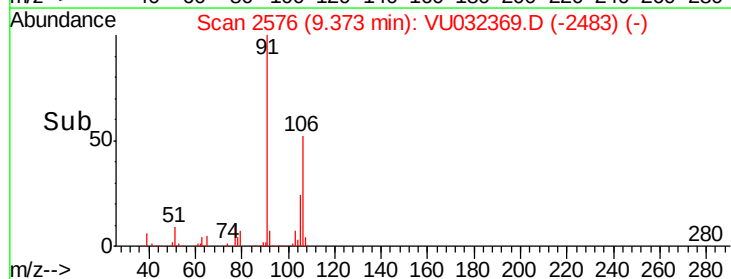
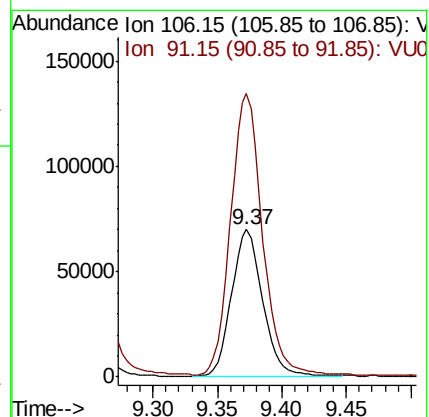
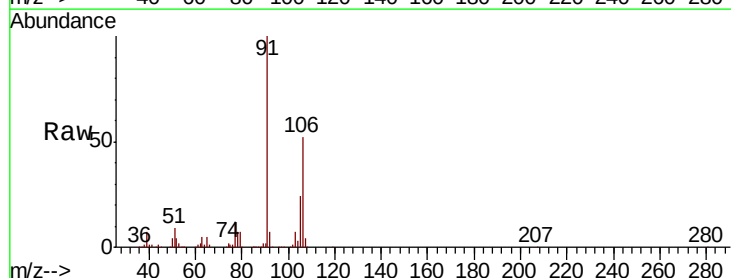
Acq: 29 May 2019 19:49

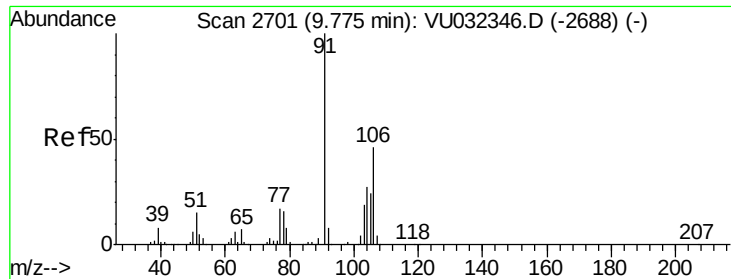
Tgt Ion: 106 Resp: 116586

Ion Ratio Lower Upper

106 100

91 192.0 143.9 267.2

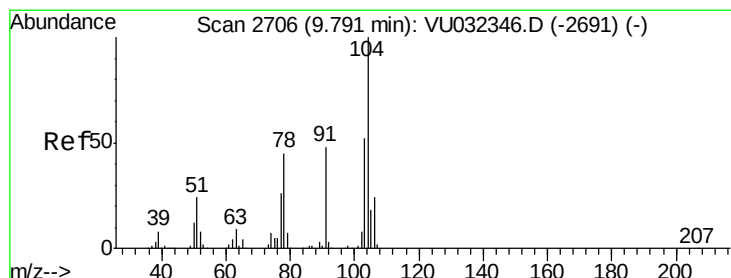
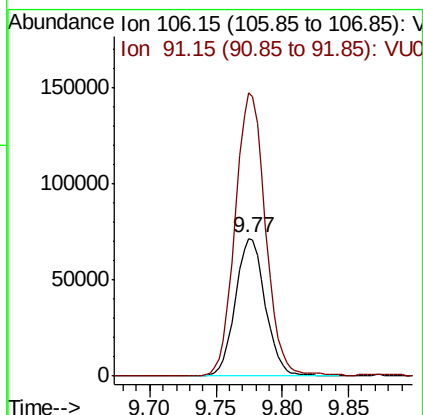
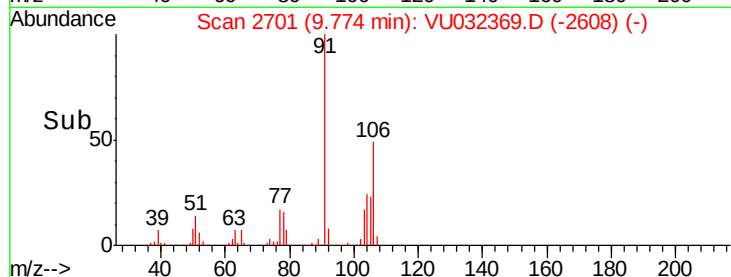
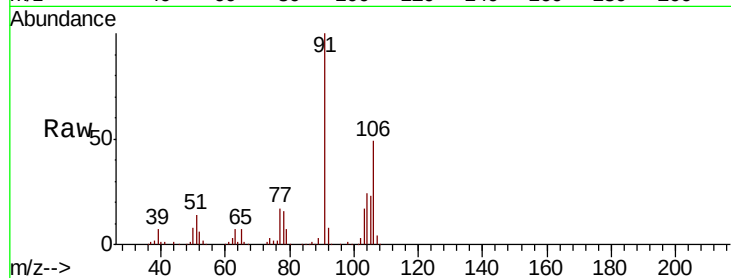




#54
o-Xylene
Concen: 5.360 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU032369.D
Acq: 29 May 2019 19:49

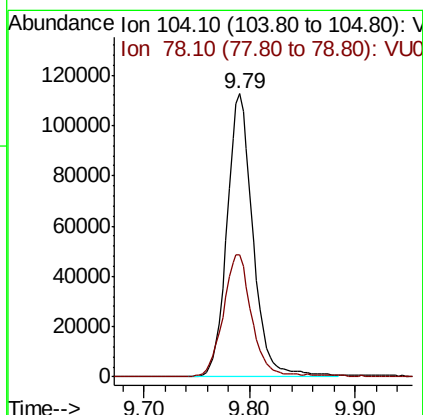
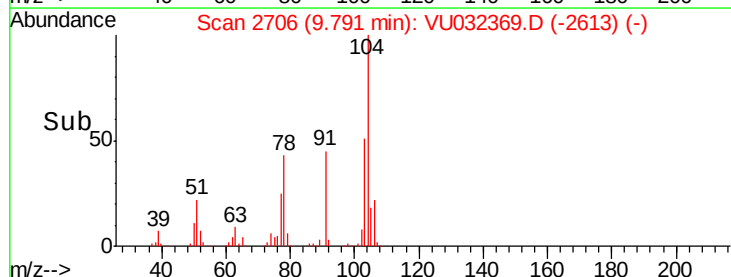
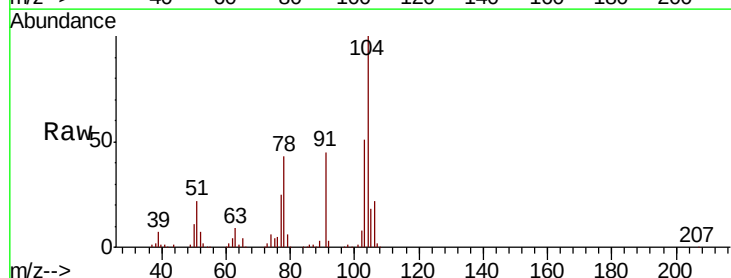
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

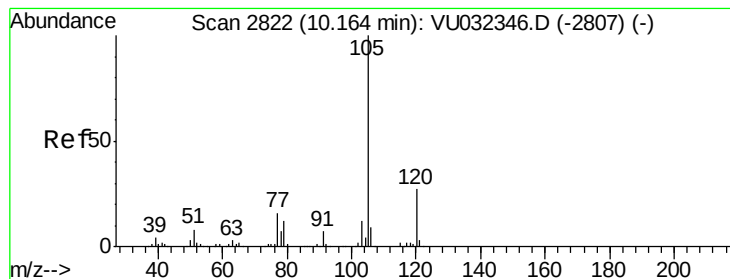
Tgt Ion:106 Resp: 113024
Ion Ratio Lower Upper
106 100
91 205.1 147.8 274.4



#55
Styrene
Concen: 5.430 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VU032369.D
Acq: 29 May 2019 19:49

Tgt Ion:104 Resp: 191574
Ion Ratio Lower Upper
104 100
78 43.3 30.3 56.3





#56

Isopropylbenzene

Concen: 5.476 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

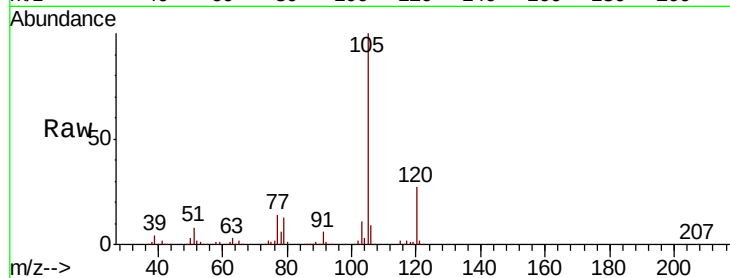
Tgt Ion:105 Resp: 291896

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

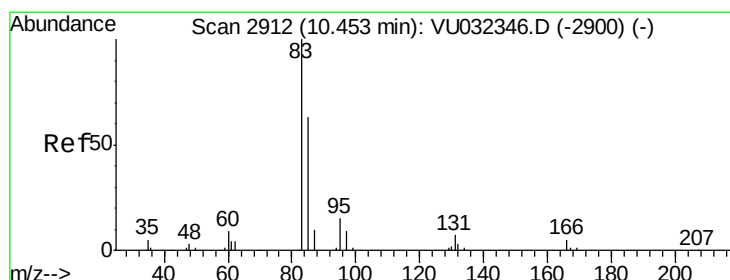
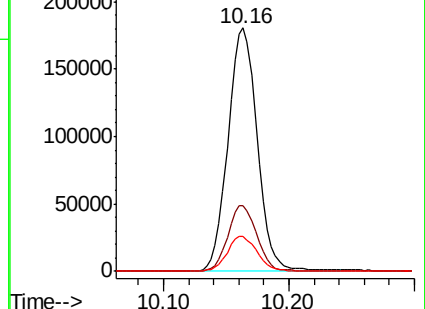
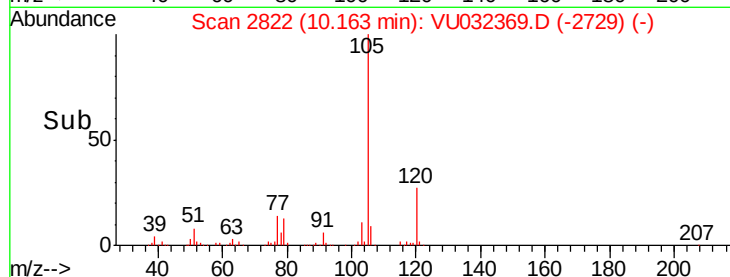
77 14.8 11.9 17.9



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: 4.840 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

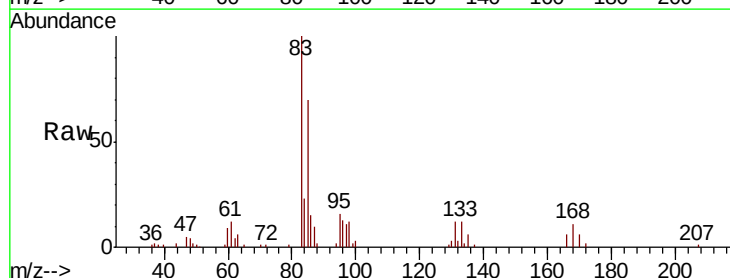
Tgt Ion: 83 Resp: 57513

Ion Ratio Lower Upper

83 100

85 69.8 46.5 86.3

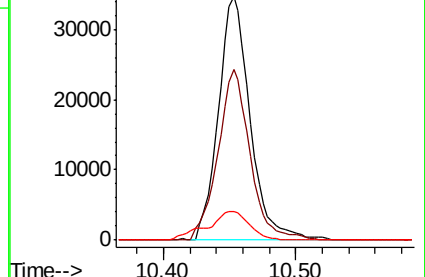
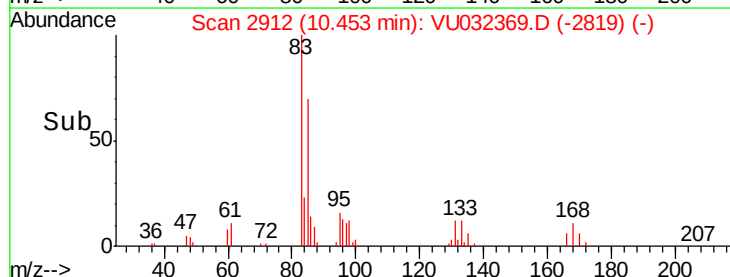
131 11.7 7.8 11.6#

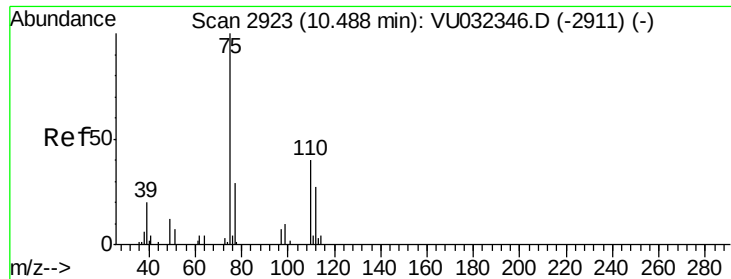


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.869 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

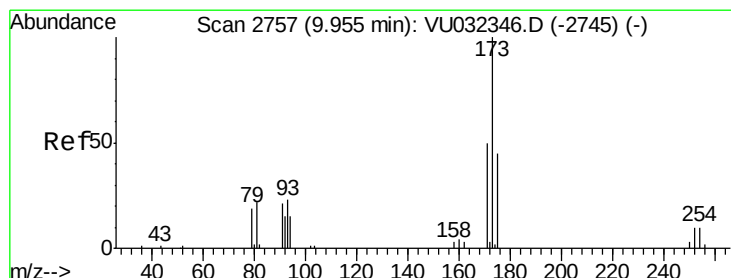
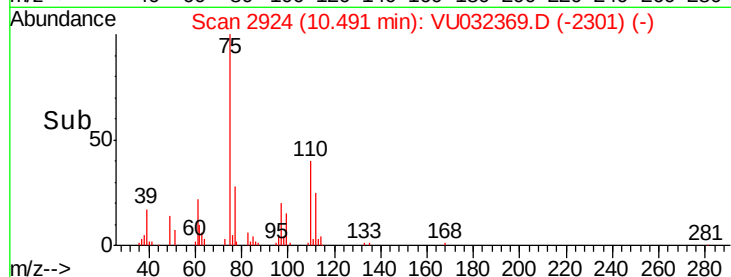
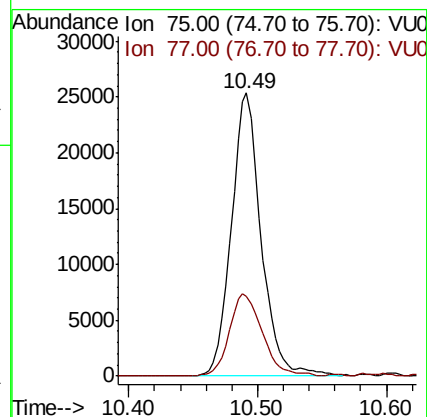
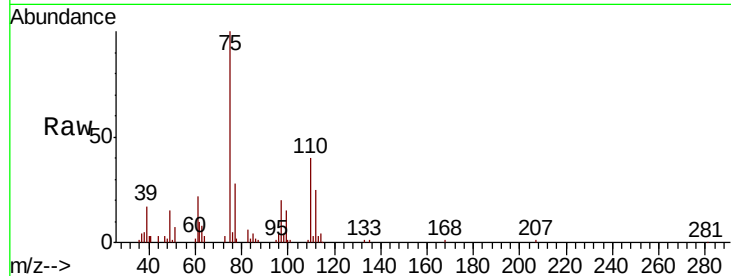
VSTD00517

Tgt Ion: 75 Resp: 40507

Ion Ratio Lower Upper

75 100

77 32.4 28.2 42.4



#61

Bromoform

Concen: 4.460 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

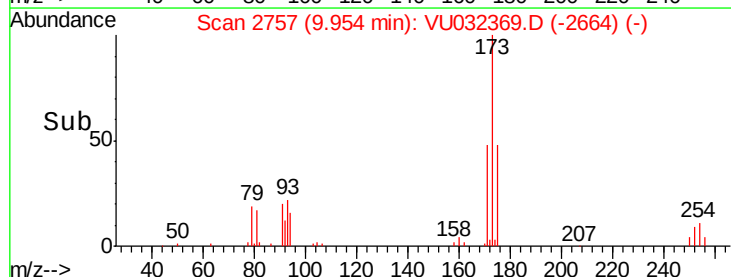
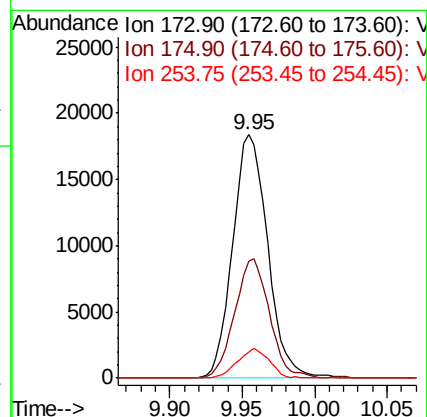
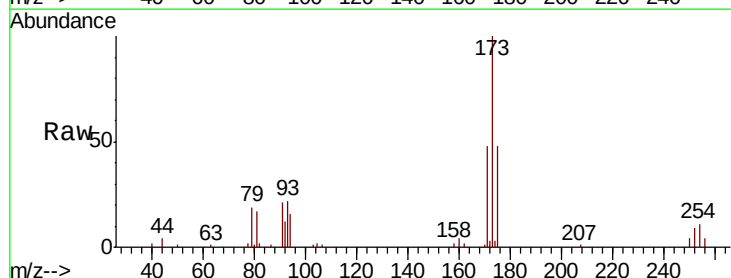
Tgt Ion: 173 Resp: 30749

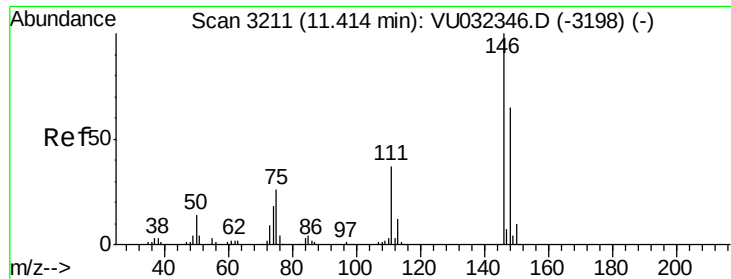
Ion Ratio Lower Upper

173 100

175 48.6 40.1 60.1

254 11.0 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 5.044 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

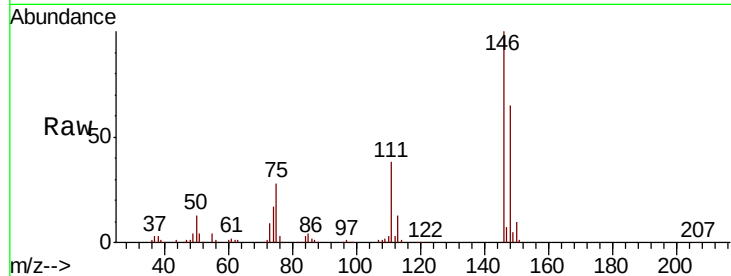
Tgt Ion:146 Resp: 143466

Ion Ratio Lower Upper

146 100

111 38.0 28.2 52.4

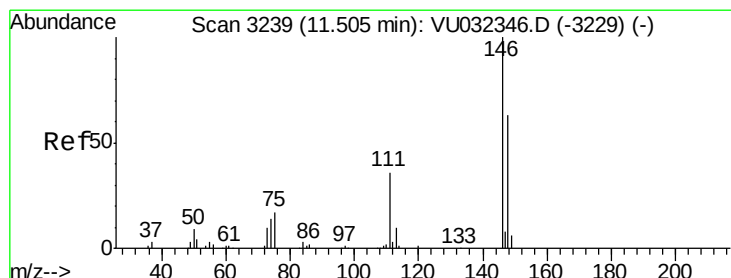
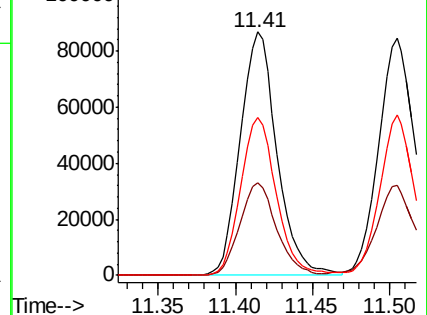
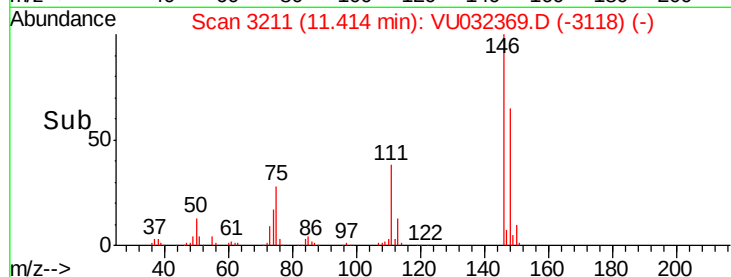
148 64.7 46.0 85.4



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: 4.769 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

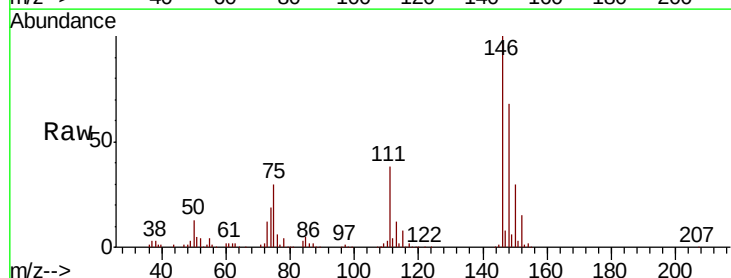
Tgt Ion:146 Resp: 142272

Ion Ratio Lower Upper

146 100

111 38.1 26.6 49.4

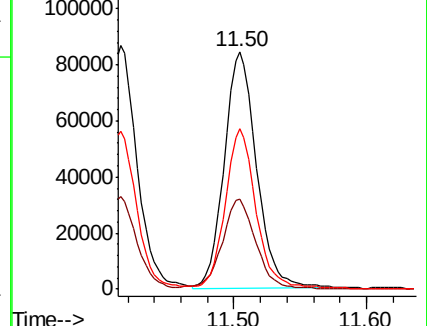
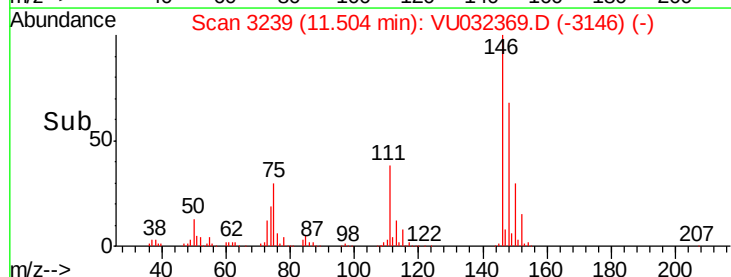
148 67.7 45.2 84.0

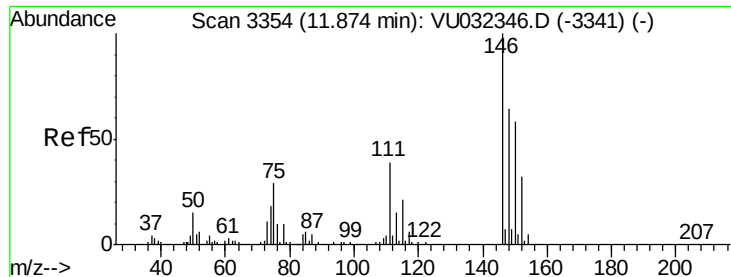


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.842 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

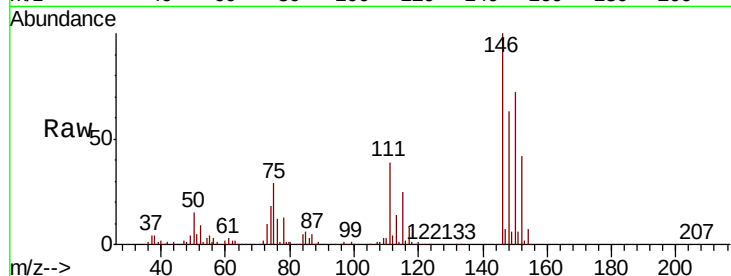
Tgt Ion:146 Resp: 139710

Ion Ratio Lower Upper

146 100

111 39.0 33.9 50.9

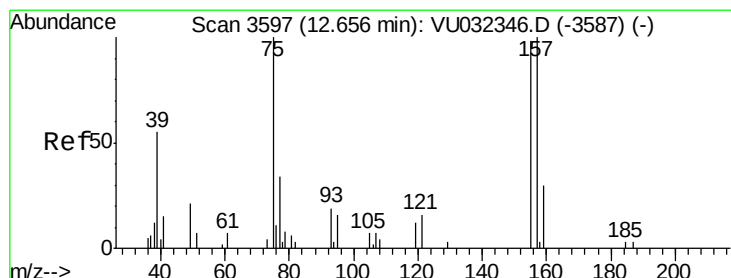
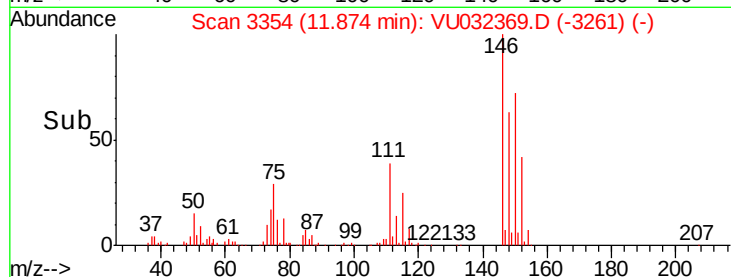
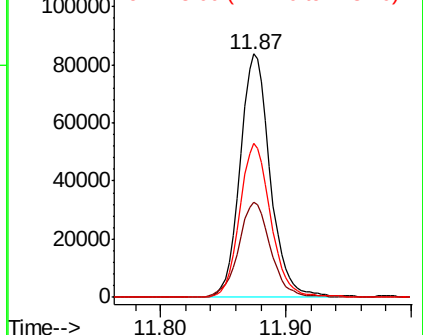
148 63.1 54.3 81.5



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: 4.460 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

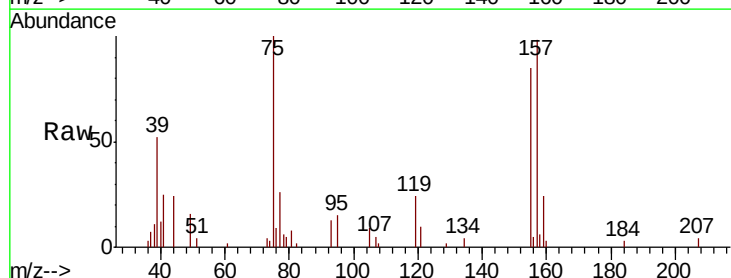
Tgt Ion: 75 Resp: 8308

Ion Ratio Lower Upper

75 100

155 84.6 69.3 103.9

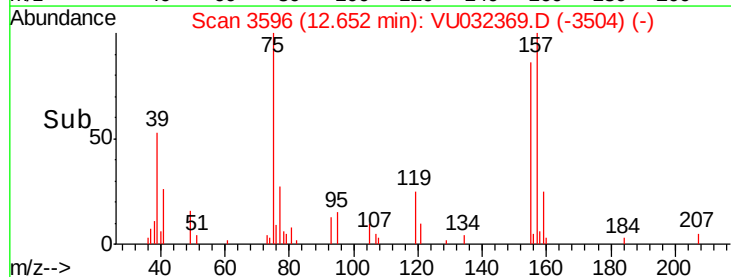
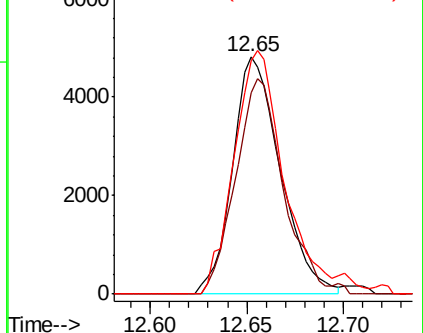
157 98.2 90.6 135.8

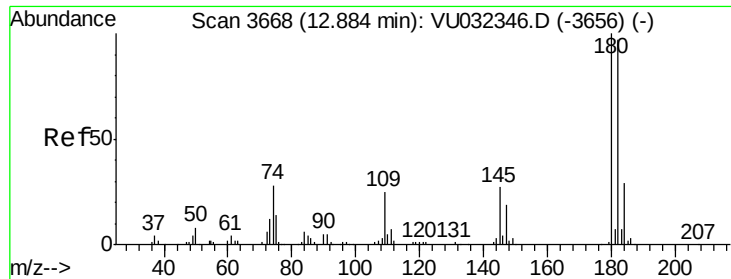


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

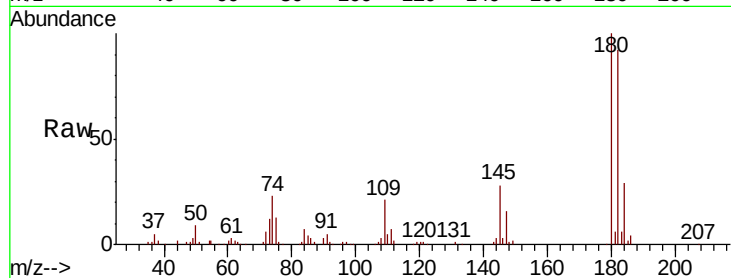




#67
 1,3,5-Trichlorobenzene
 Concen: 4.985 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.2	114.4
184	30.6	24.3	36.5
145	27.8	23.6	35.4



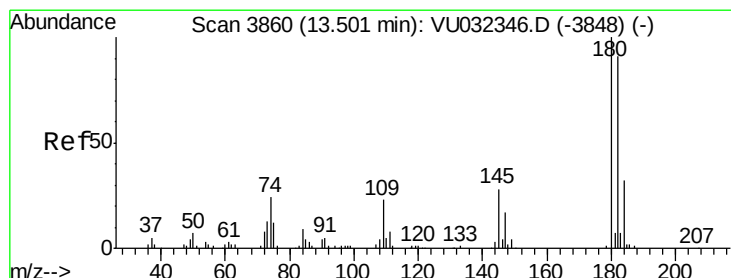
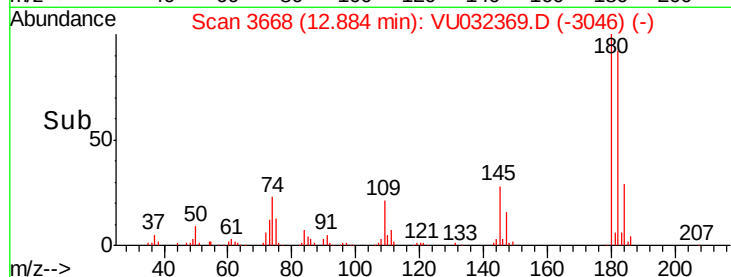
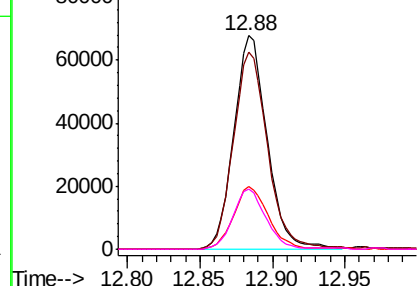
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

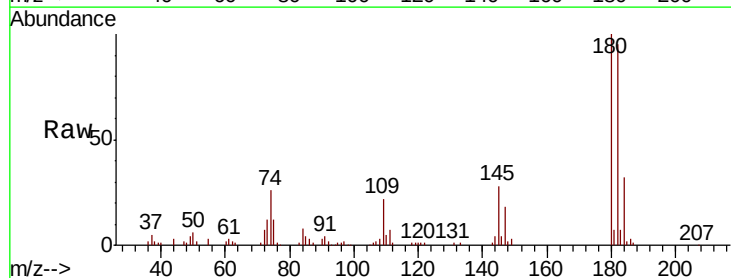
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.474 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU032369.D
 Acq: 29 May 2019 19:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.9	113.9
145	27.2	21.7	32.5

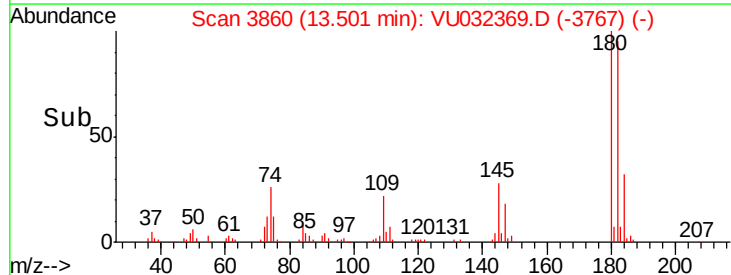
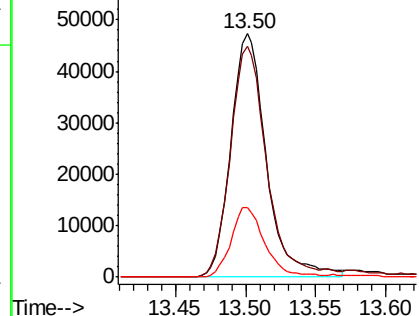


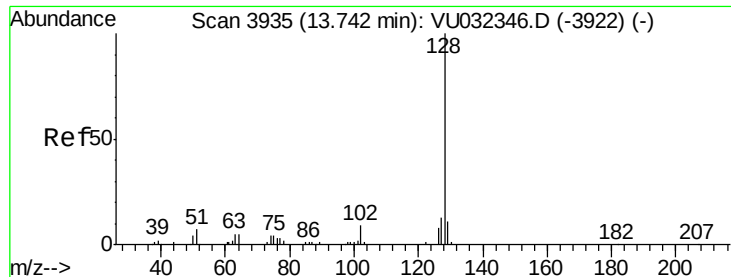
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.484 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

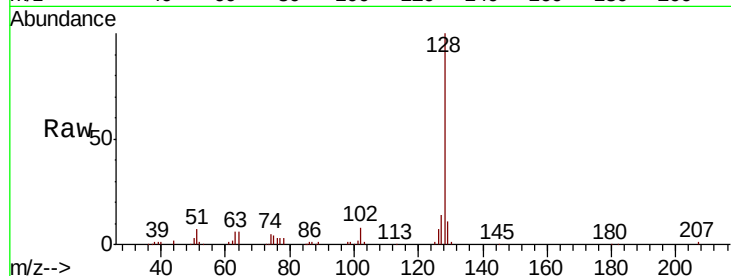
Tgt Ion:128 Resp: 128040

Ion Ratio Lower Upper

128 100

129 10.0 9.2 13.8

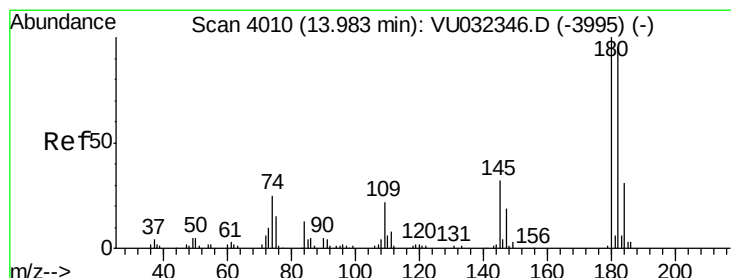
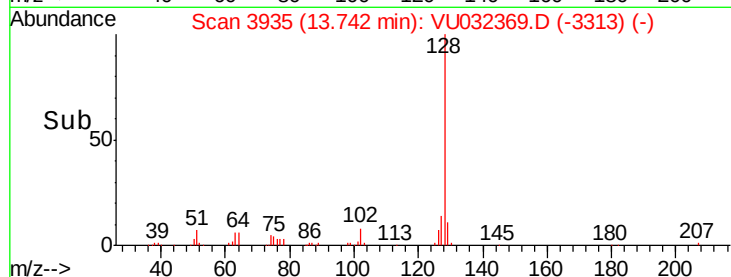
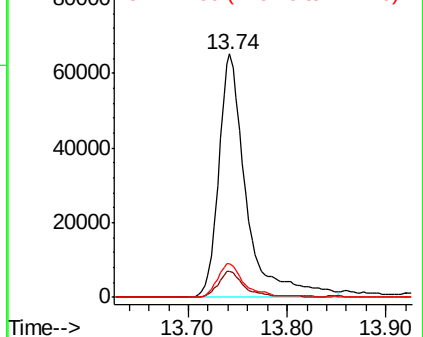
127 13.2 11.1 16.7



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: 4.980 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU032369.D

Acq: 29 May 2019 19:49

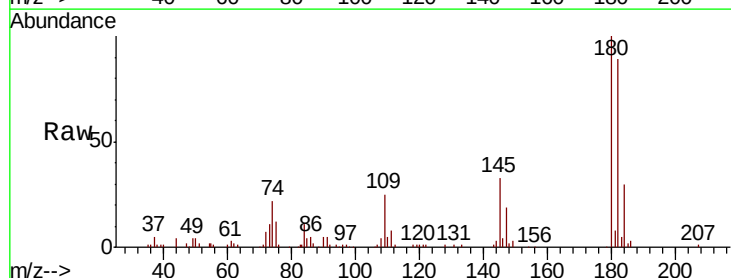
Tgt Ion:180 Resp: 80449

Ion Ratio Lower Upper

180 100

182 94.2 74.6 111.8

145 31.3 23.4 35.0



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

