

Data File : VU035431.D
Acq On : 24 Oct 2019 01:51
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Quant Time: Oct 24 05:26:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	234064	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	235969	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	111929	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	76730	5.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.60%
7) Chloroethane-d5	1.93	69	71074	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.00%
11) 1,1-Dichloroethene-d2	2.60	63	143118	5.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.40%
20) 2-Butanone-d5	4.70	46	220440	53.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.50%
24) Chloroform-d	5.11	84	148271	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.80%
26) 1,2-Dichloroethane-d4	5.75	65	78539	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.77	84	268741	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.74	67	91550	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.93	98	240903	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	8.21	79	34631	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.68	63	171778	46.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.68%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	85751	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	92730	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	105983	5.320	ug/L 100
3) Chloromethane	1.54	50	111372	5.636	ug/L 99
5) Vinyl chloride	1.62	62	115216	5.677	ug/L 99
6) Bromomethane	1.87	94	75639	6.313	ug/L 99
8) Chloroethane	1.95	64	71529	5.467	ug/L 97
9) Trichlorofluoromethane	2.16	101	142506	5.260	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	81405	5.215	ug/L 93
12) 1,1-Dichloroethene	2.61	96	79194	5.267	ug/L 96
13) Acetone	2.67	43	159851	56.030	ug/L 99
14) Carbon disulfide	2.82	76	238835	5.023	ug/L 99
15) Methyl Acetate	3.00	43	38668	5.440	ug/L 95
16) Methylene chloride	3.08	84	94223	5.209	ug/L 99
17) Methyl tert-butyl Ether	3.43	73	198909	4.915	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	83008	5.115	ug/L 94
19) 1,1-Dichloroethane	3.92	63	167816	5.718	ug/L 99
21) 2-Butanone	4.78	43	240793	51.784	ug/L 98
22) cis-1,2-Dichloroethene	4.72	96	92442	5.154	ug/L 94

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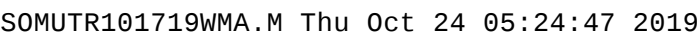
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

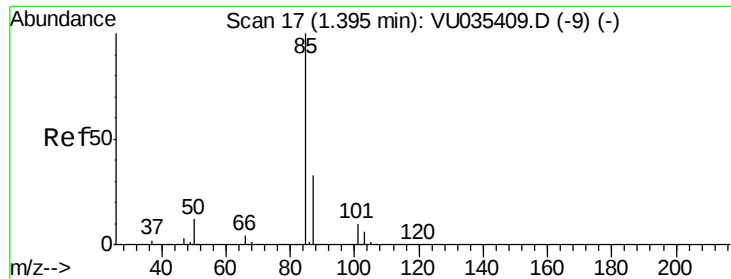
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	41349	5.355	ug/L	89
25) Chloroform	5.14	83	175450	5.449	ug/L	100
27) 1,2-Dichloroethane	5.84	62	109260	5.533	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	140690	5.090	ug/L	98
30) Cyclohexane	5.43	56	130852	4.420	ug/L	97
31) Carbon tetrachloride	5.57	117	121254	4.872	ug/L	99
33) Benzene	5.82	78	361791	5.211	ug/L	100
34) Trichloroethene	6.58	95	90674	4.858	ug/L	96
35) Methylcyclohexane	6.80	83	126186	4.045	ug/L	95
37) 1,2-Dichloropropane	6.83	63	95529	5.420	ug/L	100
38) Bromodichloromethane	7.15	83	121326	5.110	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	130327	4.418	ug/L	95
40) 4-Methyl-2-pentanone	7.84	43	605722	50.908	ug/L	97
42) Toluene	8.01	91	382140	4.986	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	110206	4.571	ug/L	95
45) 1,1,2-Trichloroethane	8.44	97	69103	5.281	ug/L	96
47) Tetrachloroethene	8.58	164	72069	4.634	ug/L	96
48) 2-Hexanone	8.73	43	423916	50.803	ug/L	98
49) Dibromochloromethane	8.84	129	81945	4.940	ug/L	99
50) 1,2-Dibromoethane	8.96	107	64587	4.938	ug/L	97
51) Chlorobenzene	9.48	112	243029	4.911	ug/L	99
52) Ethylbenzene	9.60	91	405493	4.653	ug/L	99
53) m,p-Xylene	9.72	106	151414	4.601	ug/L	97
54) o-Xylene	10.13	106	147523	4.593	ug/L	96
55) Styrene	10.14	104	252347	4.826	ug/L	99
56) Isopropylbenzene	10.51	105	384065	4.445	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	92067	5.467	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	66238	5.394	ug/L	99
61) Bromoform	10.32	173	47330	4.565	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	186131	4.873	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	181967	4.846	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	179028	4.989	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.03	75	11965	4.721	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	114153	4.823	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	72480	4.600	ug/L	99
69) Naphthalene	14.11	128	93072	4.303	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	73918	5.017	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 5.320 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

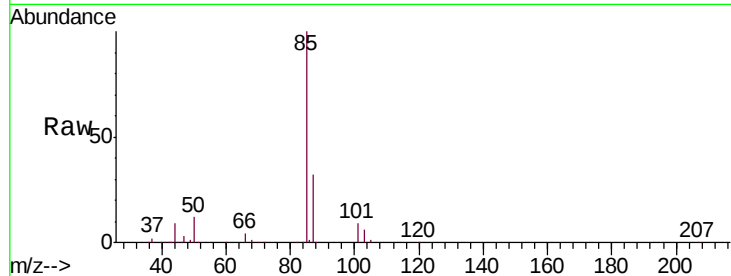
VSTD00514

Tgt Ion: 85 Resp: 105983

Ion Ratio Lower Upper

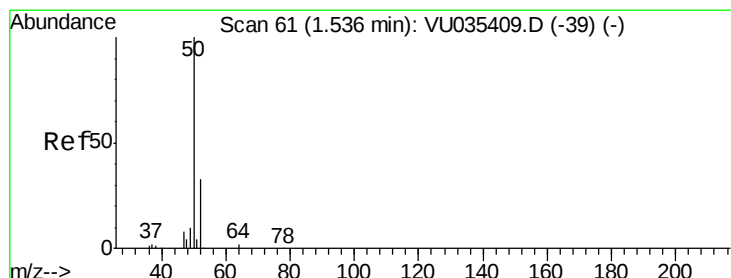
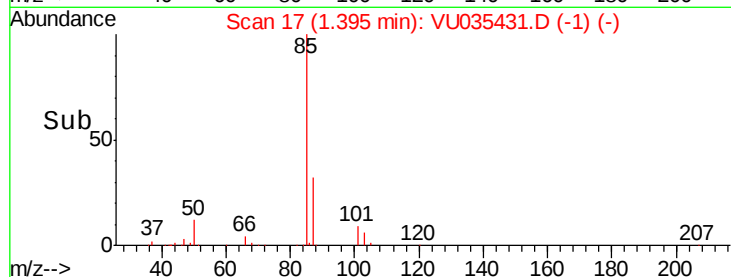
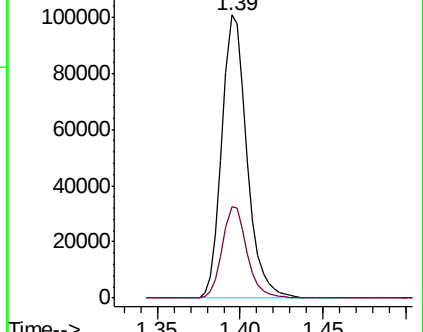
85 100

87 31.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035409.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035409.D (-9) (-)



#3

Chloromethane

Concen: 5.636 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035431.D

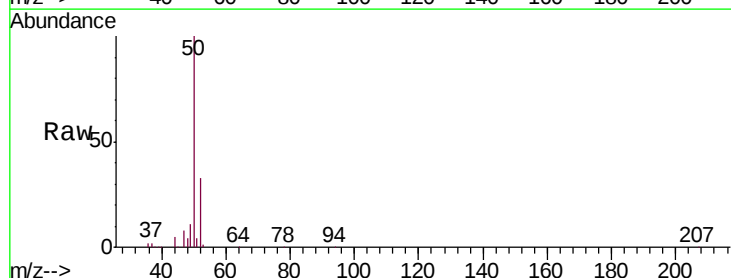
Acq: 24 Oct 2019 01:51

Tgt Ion: 50 Resp: 111372

Ion Ratio Lower Upper

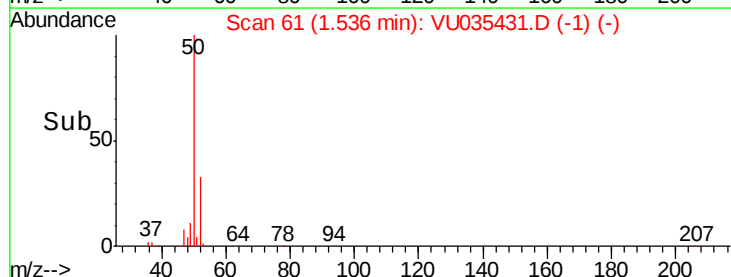
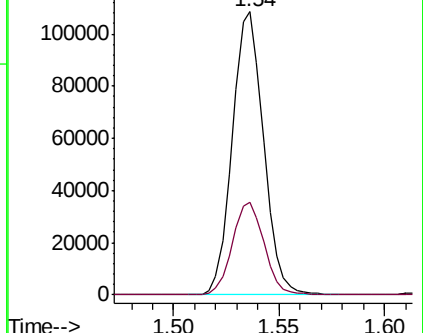
50 100

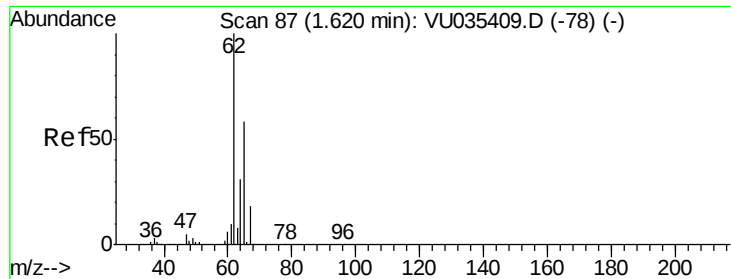
52 32.8 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035409.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VU035409.D (-39) (-)





#5

Vinyl chloride

Concen: 5.677 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

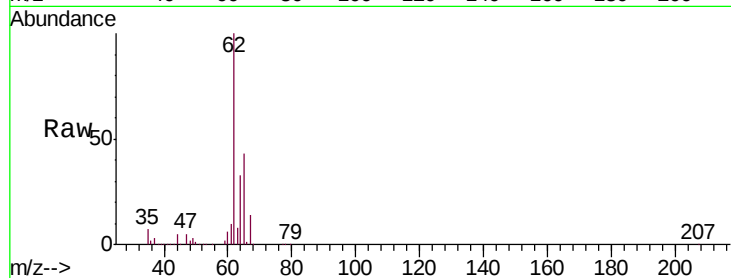
VSTD00514

Tgt Ion: 62 Resp: 115216

Ion Ratio Lower Upper

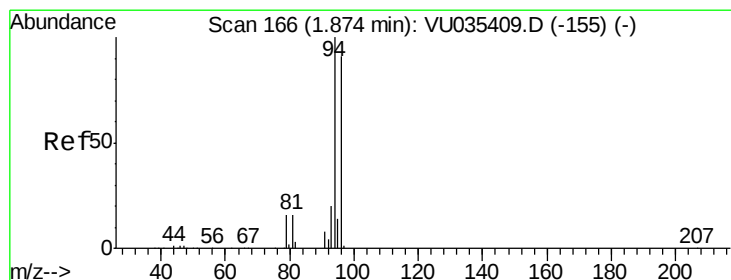
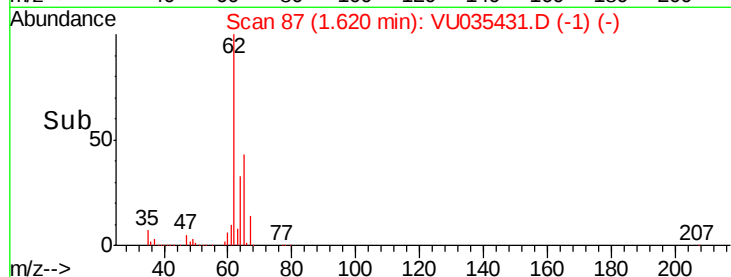
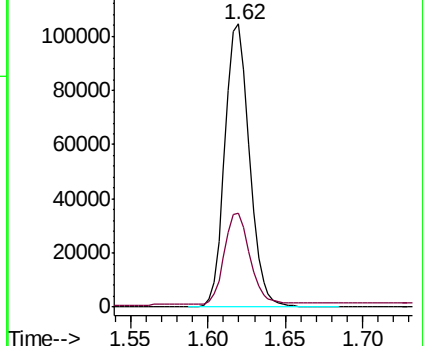
62 100

64 33.4 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035409.D (-78) (-)

Ion 64.10 (63.80 to 64.80): VU035409.D (-78) (-)



#6

Bromomethane

Concen: 6.313 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035431.D

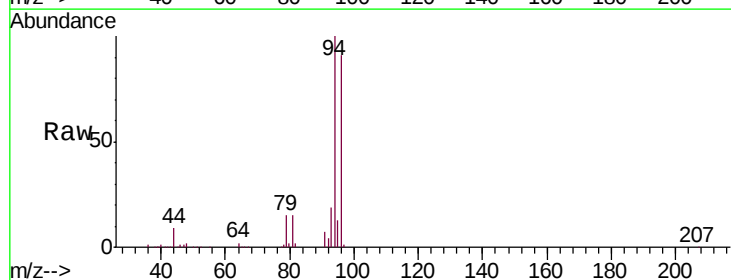
Acq: 24 Oct 2019 01:51

Tgt Ion: 94 Resp: 75639

Ion Ratio Lower Upper

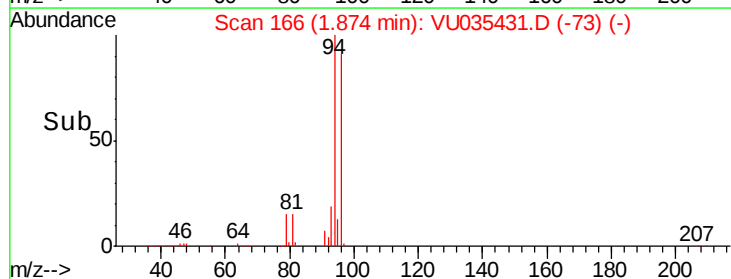
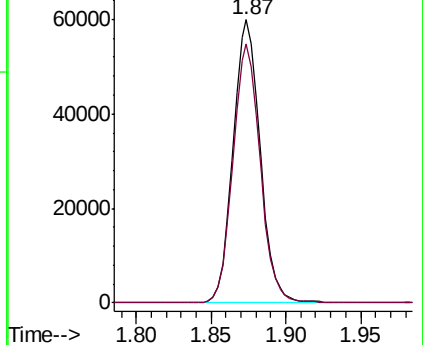
94 100

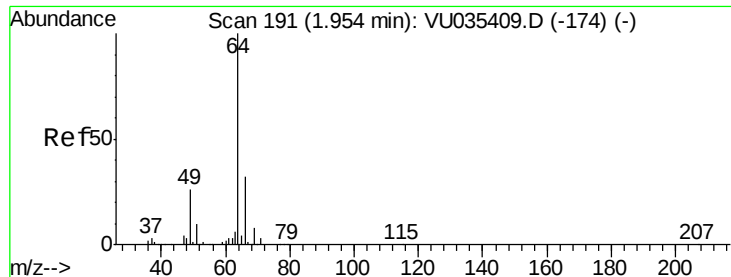
96 91.5 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU035409.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU035409.D (-155) (-)





#8

Chloroethane

Concen: 5.467 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

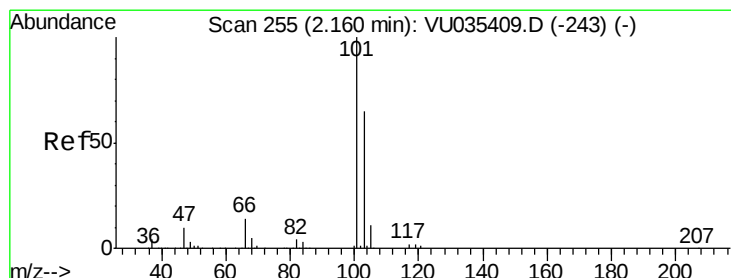
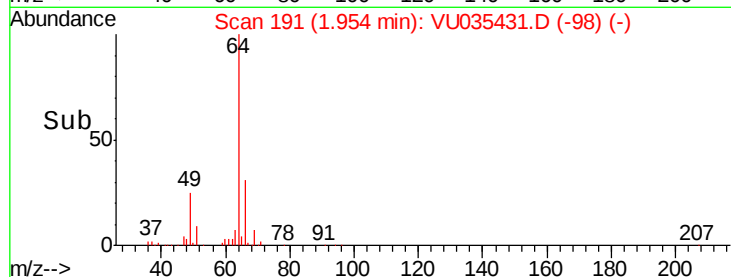
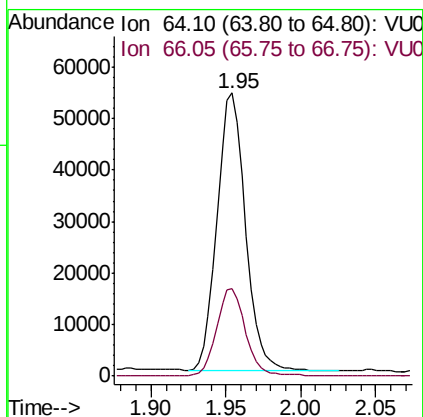
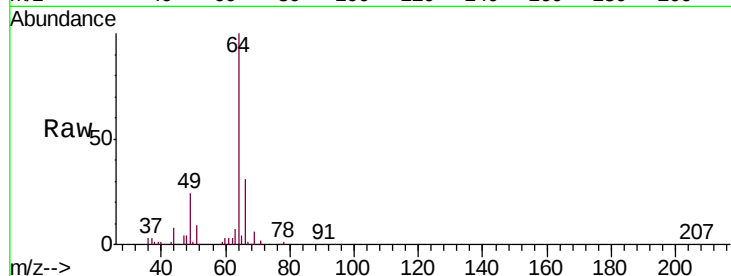
VSTD00514

Tgt Ion: 64 Resp: 71529

Ion Ratio Lower Upper

64 100

66 30.8 22.7 42.1



#9

Trichlorofluoromethane

Concen: 5.260 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU035431.D

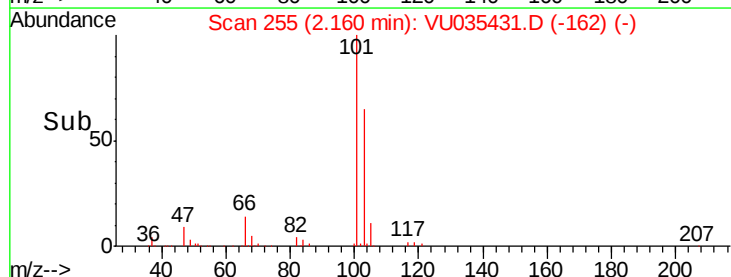
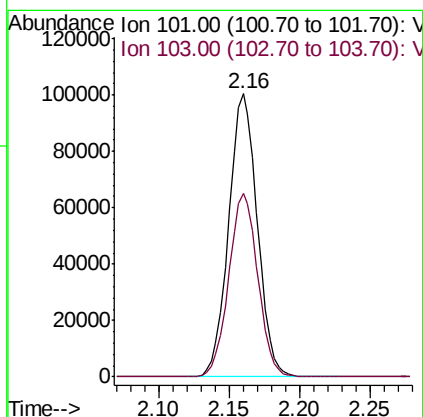
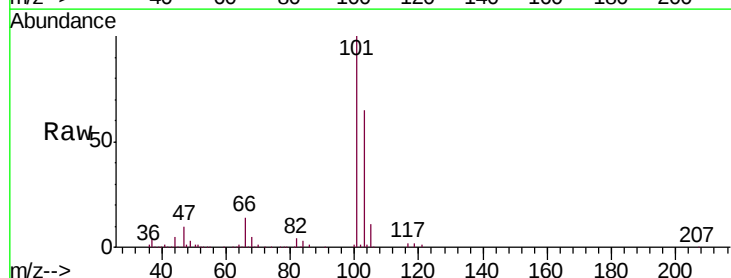
Acq: 24 Oct 2019 01:51

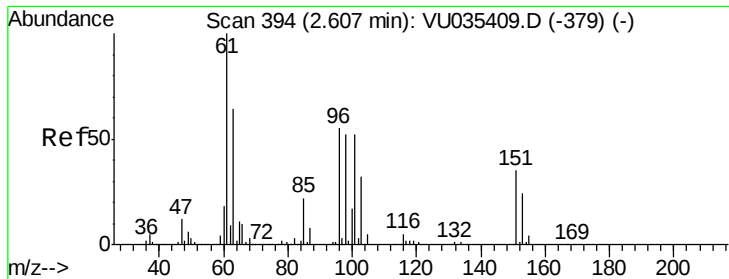
Tgt Ion: 101 Resp: 142506

Ion Ratio Lower Upper

101 100

103 65.9 51.9 77.9





#10

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

Concen: 5.215 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

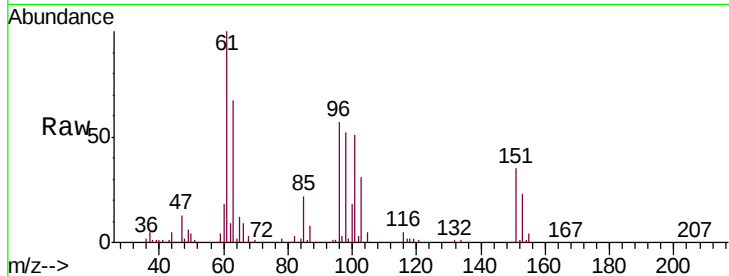
Tgt Ion: 101 Resp: 81405

Ion Ratio Lower Upper

101 100

85 44.2 33.9 50.9

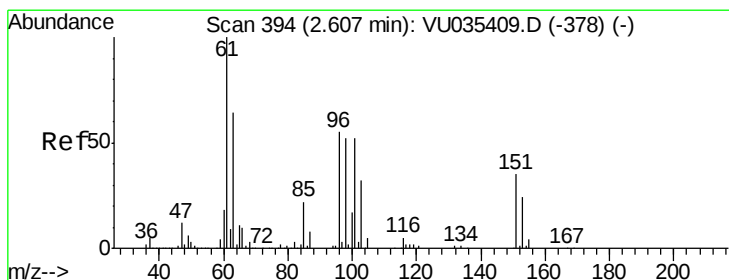
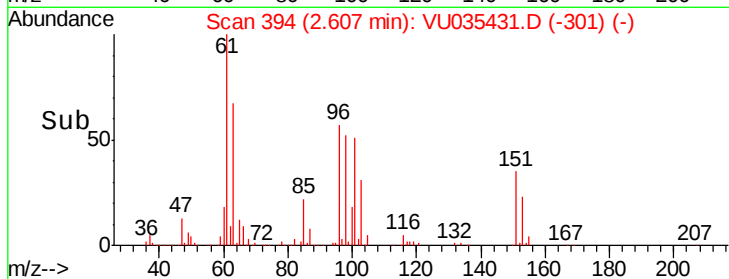
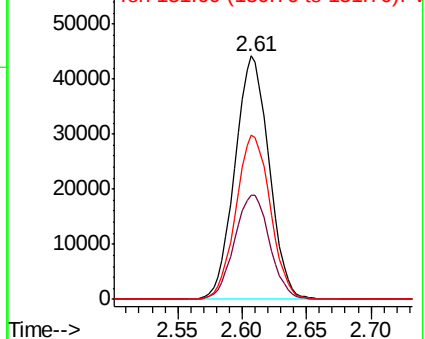
151 68.3 61.0 91.4



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: 5.267 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

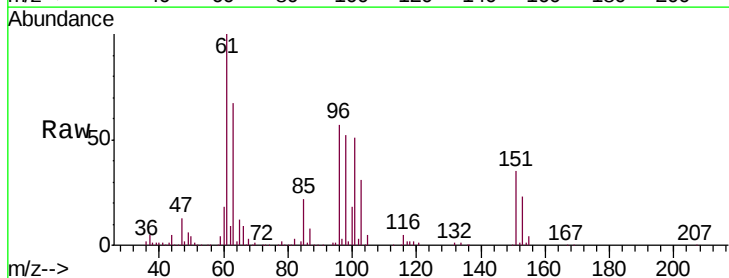
Tgt Ion: 96 Resp: 79194

Ion Ratio Lower Upper

96 100

61 174.3 120.6 224.0

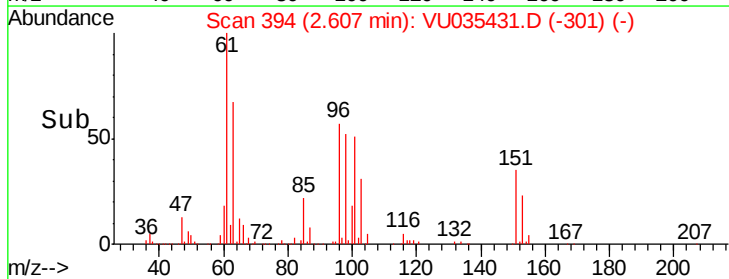
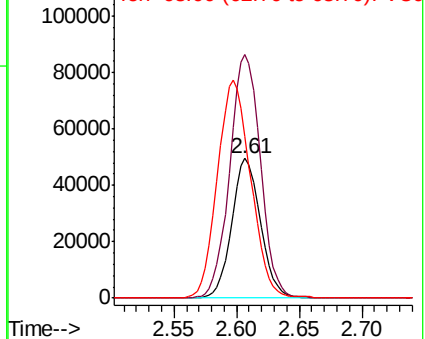
63 116.1 86.8 161.2

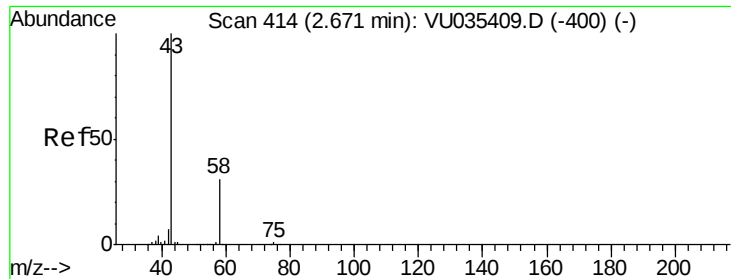


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.030 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

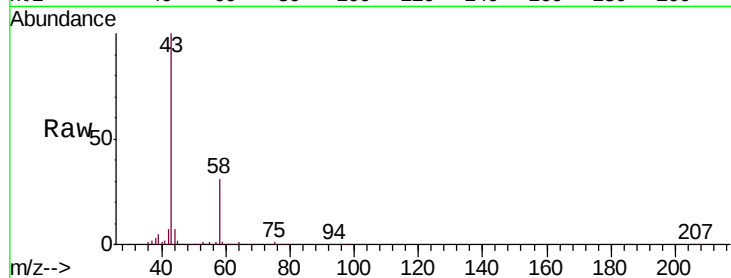
VSTD00514

Tgt Ion: 43 Resp: 159851

Ion Ratio Lower Upper

43 100

58 31.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035409.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035409.D (-400) (-)

2.67

80000

60000

40000

20000

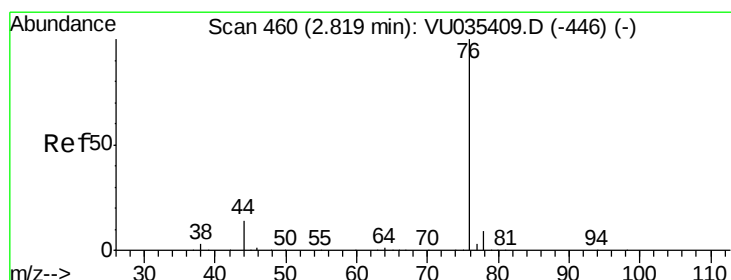
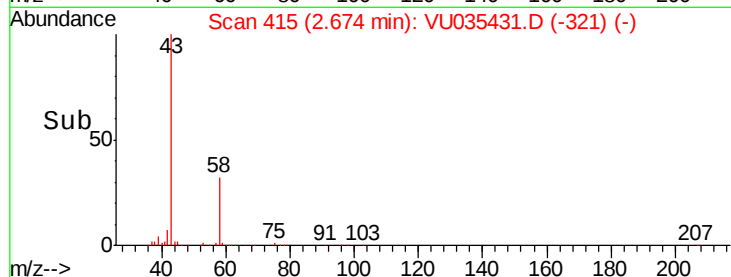
0

Time-->

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 5.023 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035431.D

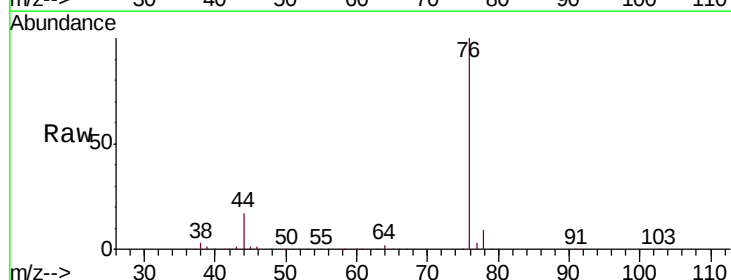
Acq: 24 Oct 2019 01:51

Tgt Ion: 76 Resp: 238835

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035409.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035409.D (-446) (-)

2.82

150000

100000

50000

0

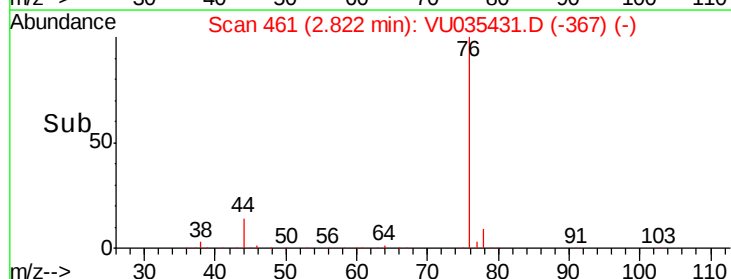
Time-->

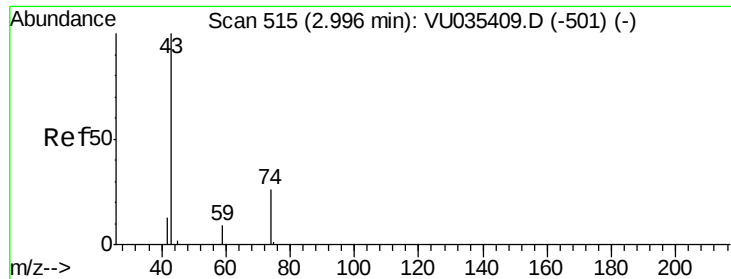
2.75

2.80

2.85

2.90

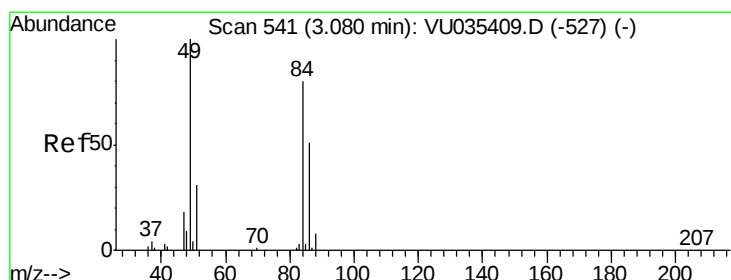
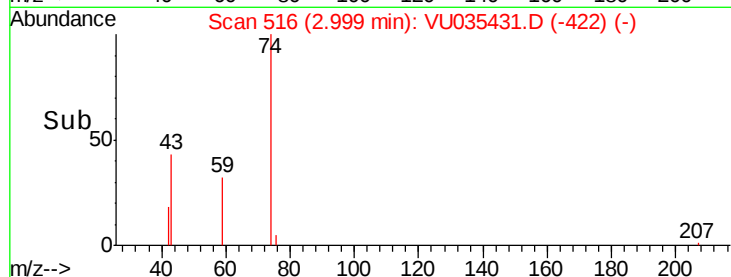
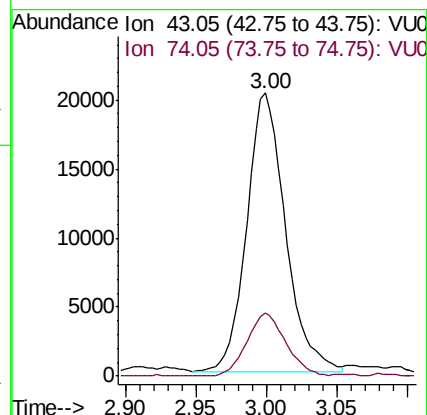
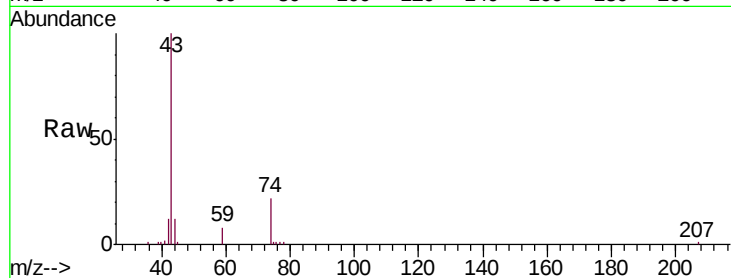




#15
Methyl Acetate
Concen: 5.440 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

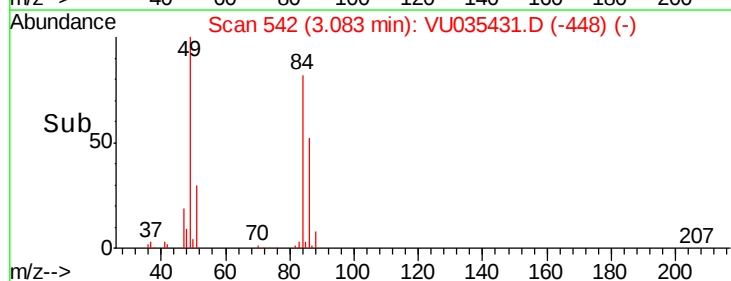
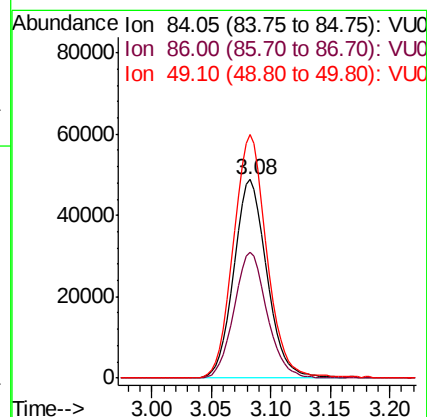
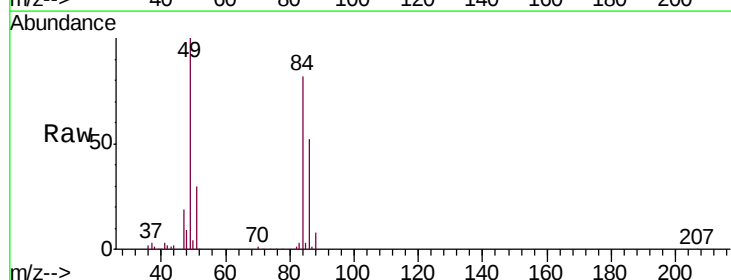
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

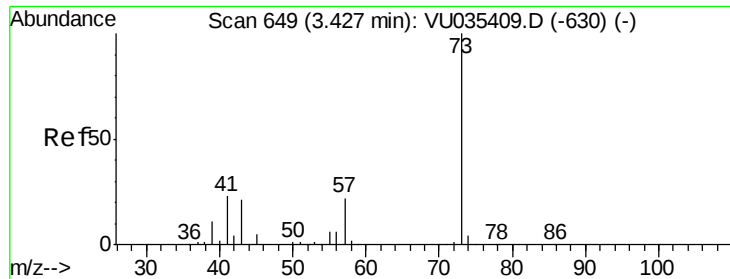
Tgt Ion: 43 Resp: 38668
Ion Ratio Lower Upper
43 100
74 22.7 20.3 30.5



#16
Methylene chloride
Concen: 5.209 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

Tgt Ion: 84 Resp: 94223
Ion Ratio Lower Upper
84 100
86 63.5 45.4 84.2
49 122.5 86.8 161.2

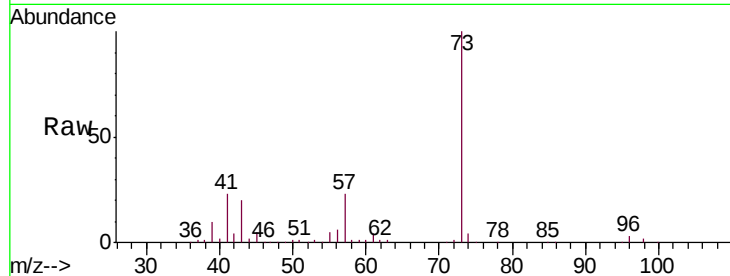




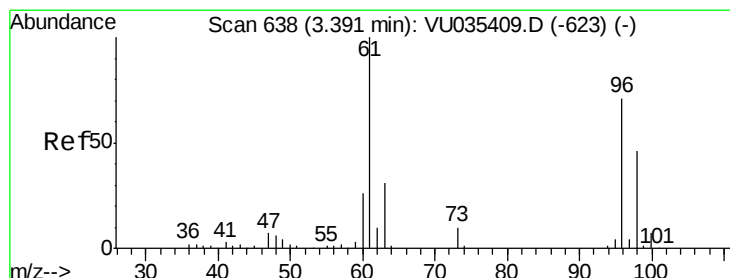
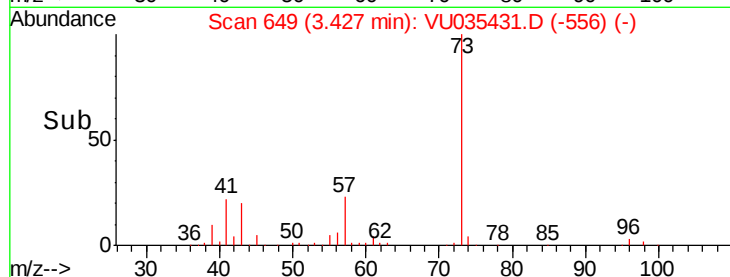
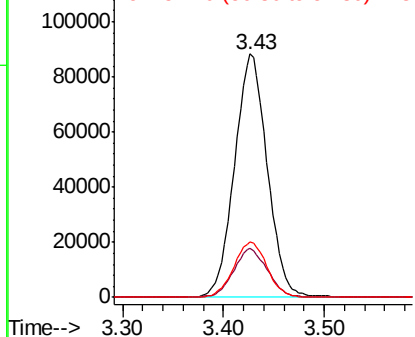
#17
Methyl tert-butyl Ether
Concen: 4.915 ug/L
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tgt Ion: 73 Resp: 198909
Ion Ratio Lower Upper
73 100
43 20.2 16.0 24.0
57 23.1 17.4 26.2

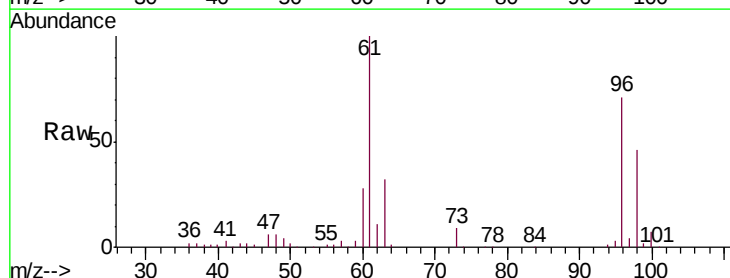


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

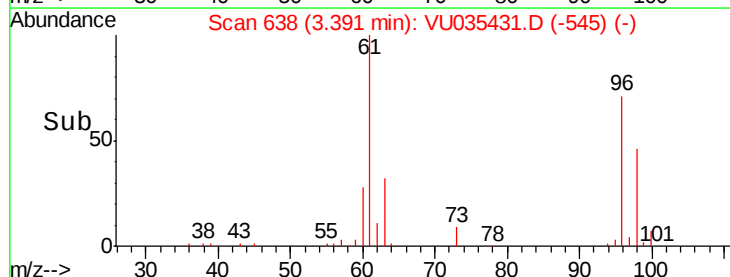
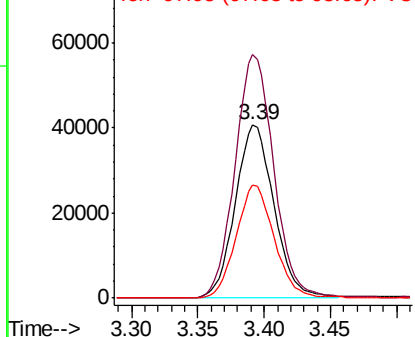


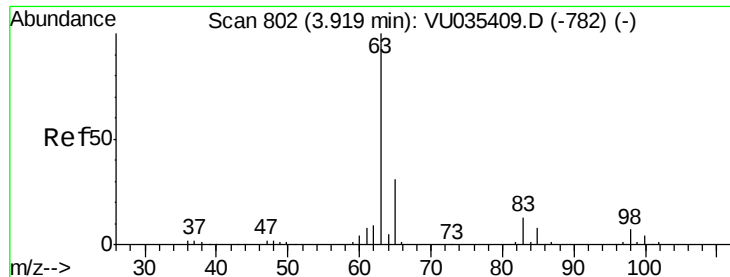
#18
trans-1,2-Dichloroethene
Concen: 5.115 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

Tgt Ion: 96 Resp: 83008
Ion Ratio Lower Upper
96 100
61 140.6 93.0 172.6
98 65.3 43.7 81.1



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

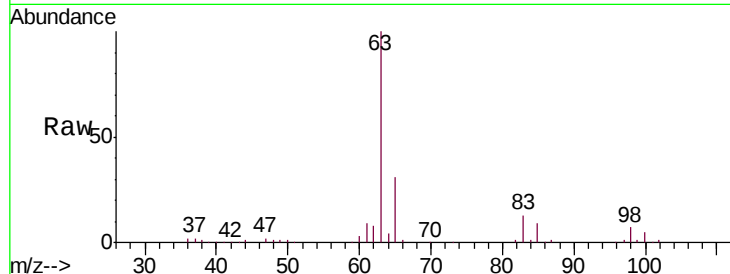




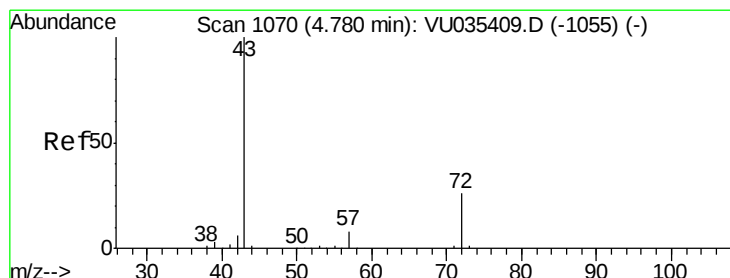
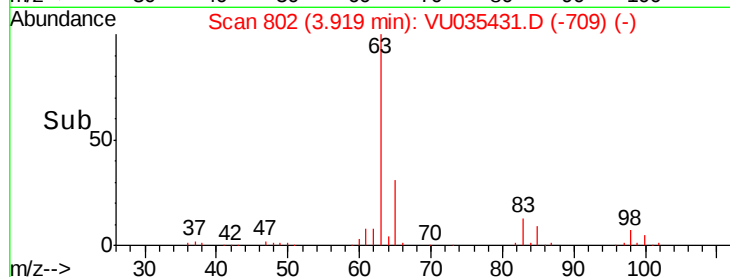
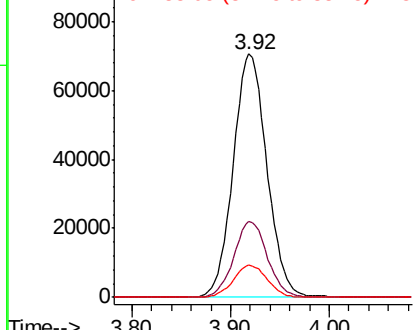
#19
 1,1-Dichloroethane
 Concen: 5.718 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tgt Ion: 63 Resp: 167816
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.4 41.6
 83 13.2 9.3 17.3

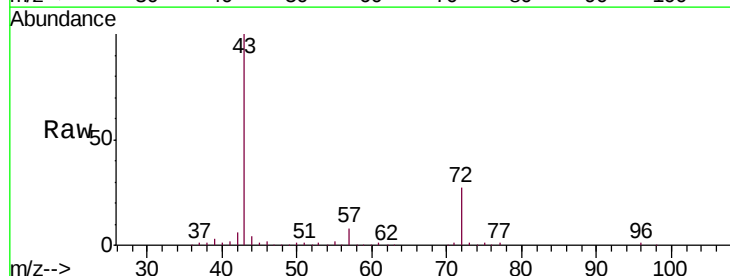


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

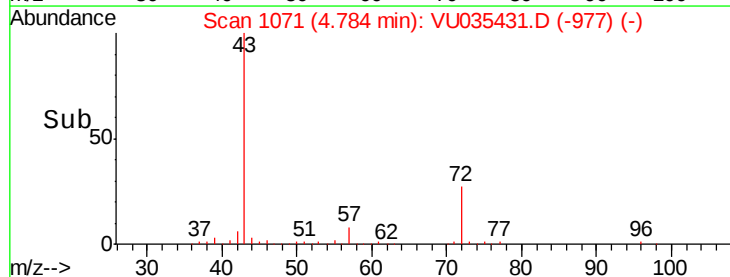
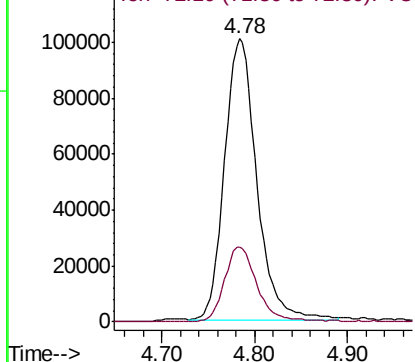


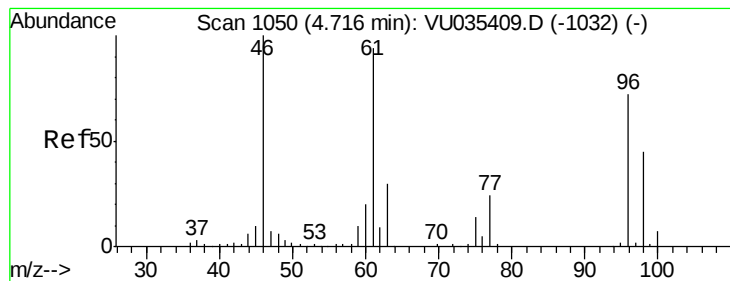
#21
 2-Butanone
 Concen: 51.784 ug/L
 RT: 4.78 min Scan# 1071
 Delta R.T. 0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

Tgt Ion: 43 Resp: 240793
 Ion Ratio Lower Upper
 43 100
 72 26.2 13.6 40.8



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: 5.154 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

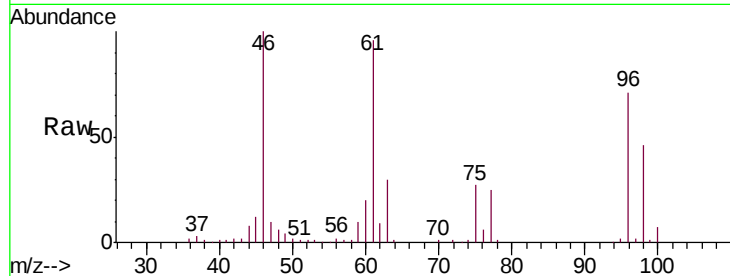
Tgt Ion: 96 Resp: 92442

Ion Ratio Lower Upper

96 100

61 135.6 89.7 166.5

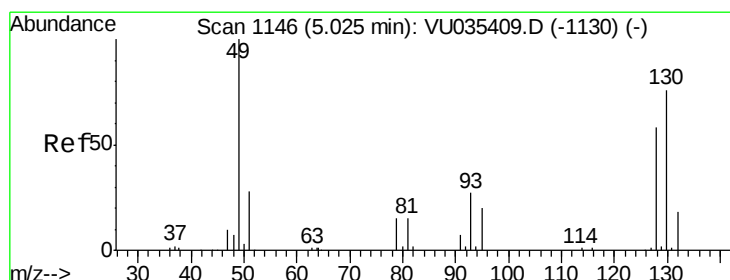
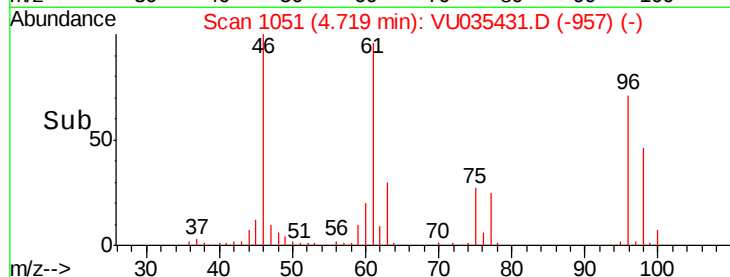
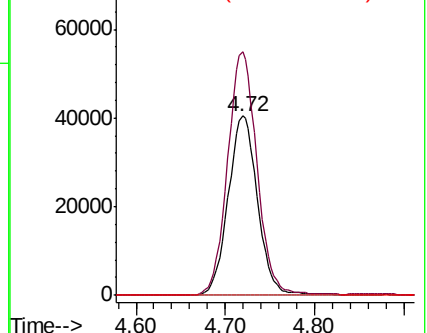
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035409.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU035409.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU035409.D (-1032) (-)



#23

Bromochloromethane

Concen: 5.355 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Tgt Ion: 128 Resp: 41349

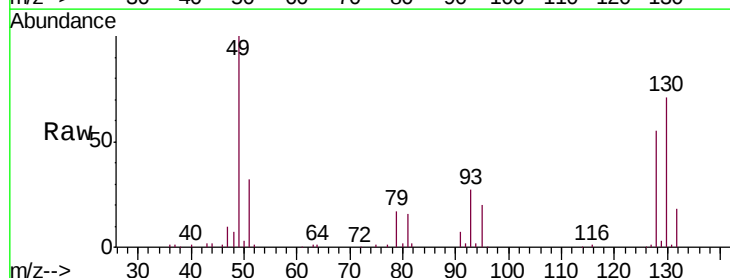
Ion Ratio Lower Upper

128 100

49 180.2 109.3 203.1

130 128.6 88.7 164.7

51 58.1 39.2 58.8

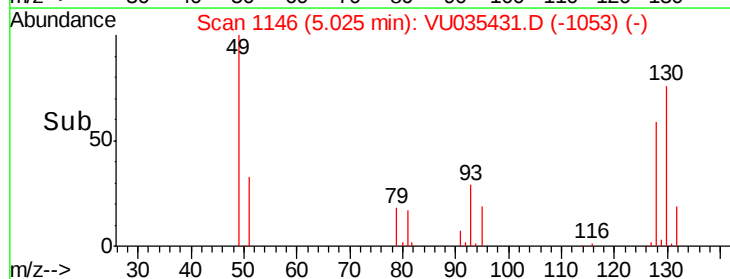
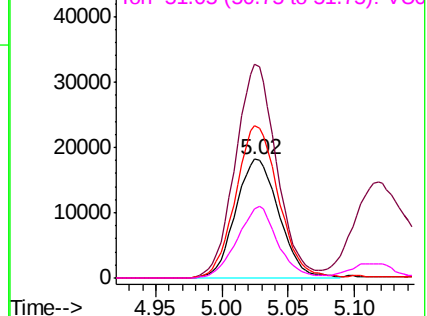


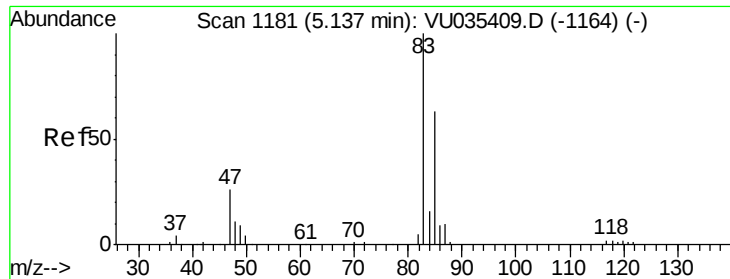
Abundance Ion 127.90 (127.60 to 128.60): VU035409.D (-1130) (-)

Ion 49.10 (48.80 to 49.80): VU035409.D (-1130) (-)

Ion 129.95 (129.65 to 130.65): VU035409.D (-1130) (-)

Ion 51.05 (50.75 to 51.75): VU035409.D (-1130) (-)

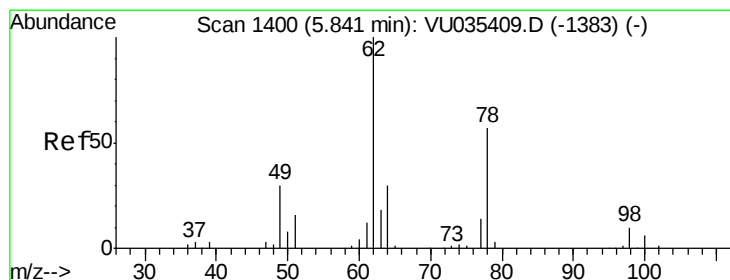
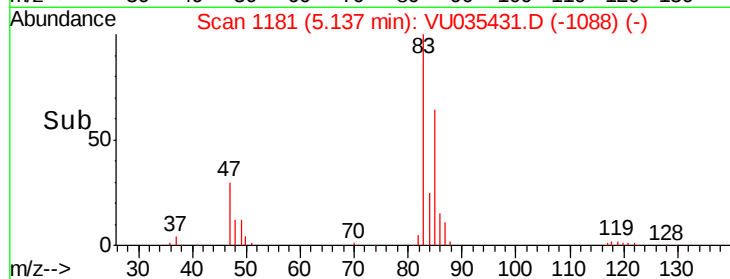
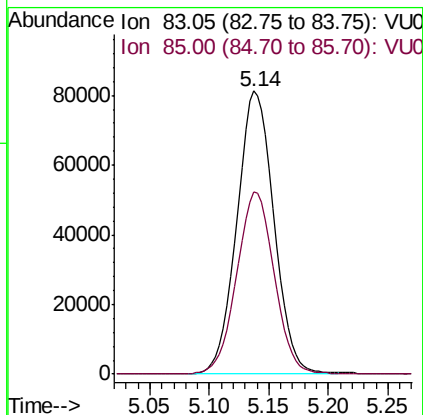
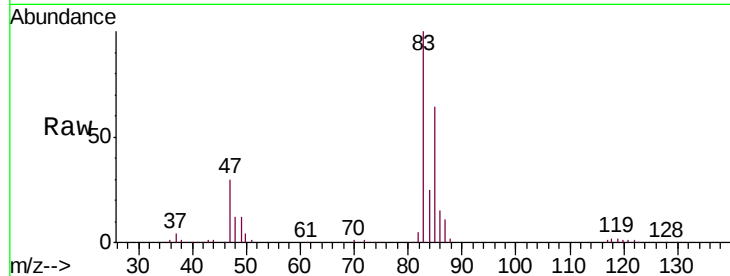




#25
Chloroform
Concen: 5.449 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

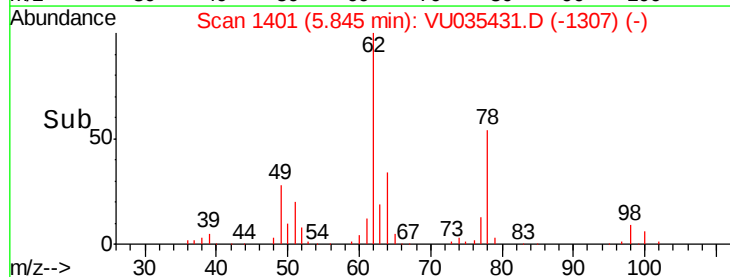
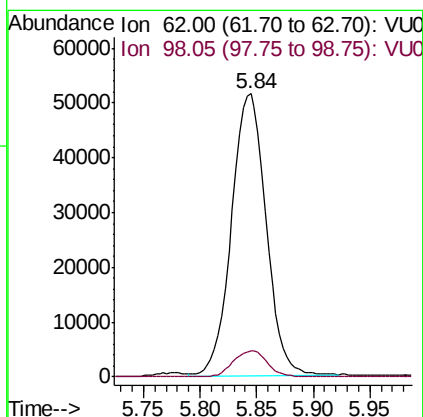
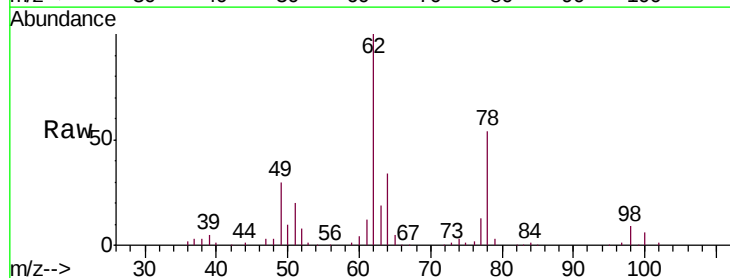
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

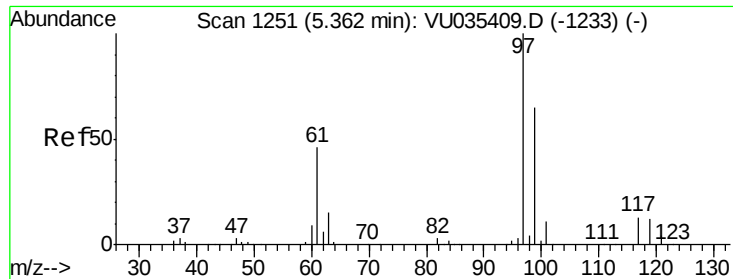
Tgt Ion: 83 Resp: 175450
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.533 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

Tgt Ion: 62 Resp: 109260
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.6

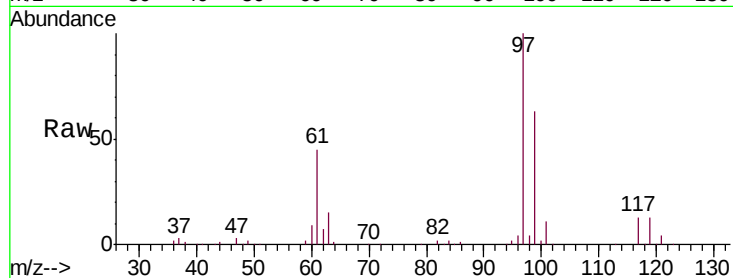




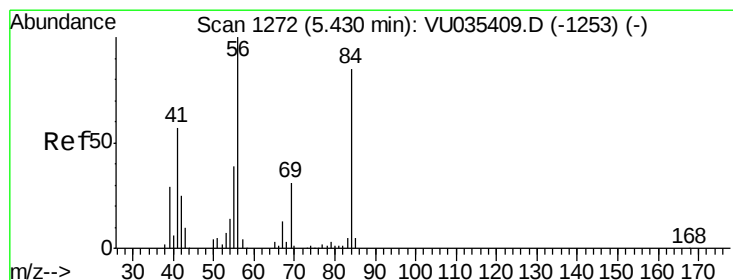
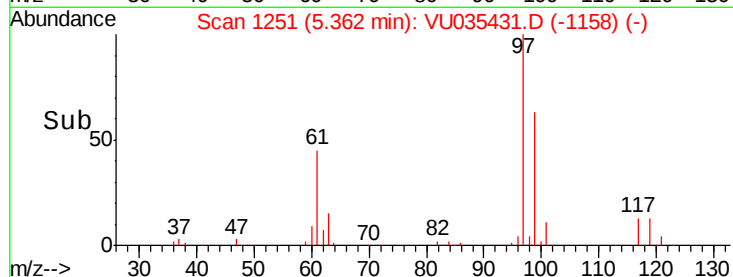
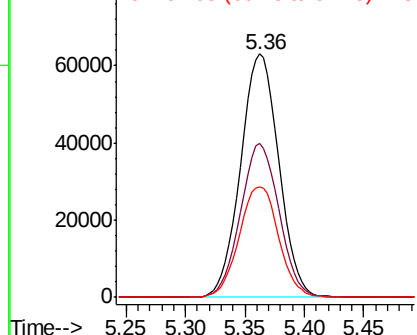
#29
 1,1,1-Trichloroethane
 Concen: 5.090 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tgt Ion: 97 Resp: 140690
 Ion Ratio Lower Upper
 97 100
 99 63.8 52.6 79.0
 61 46.9 37.0 55.4

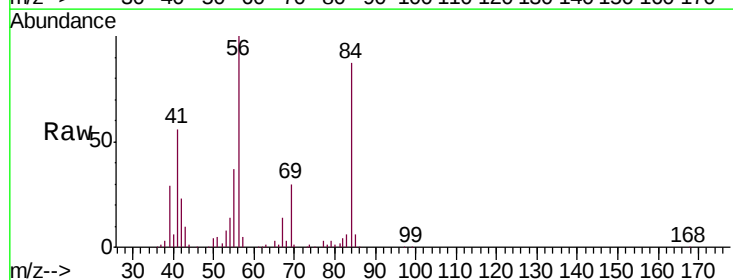


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

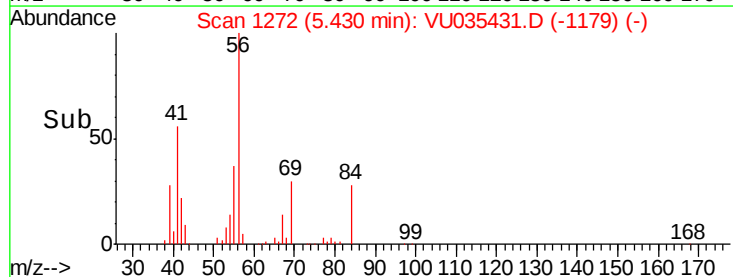
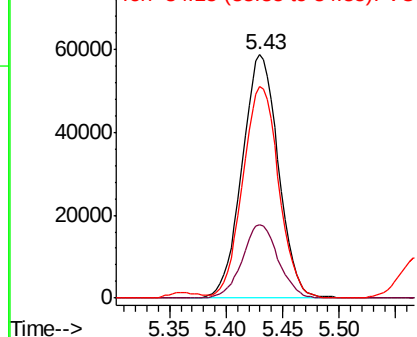


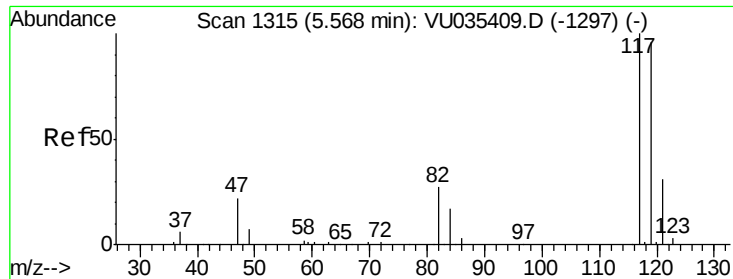
#30
 Cyclohexane
 Concen: 4.420 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

Tgt Ion: 56 Resp: 130852
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.6 36.8
 84 86.6 71.5 107.3



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: 4.872 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

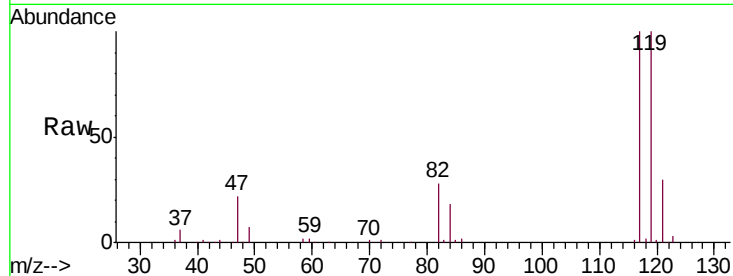
VSTD00514

Tgt Ion:117 Resp: 121254

Ion Ratio Lower Upper

117 100

119 97.4 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

60000

50000

40000

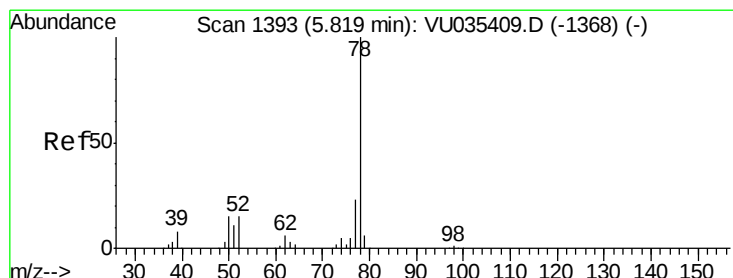
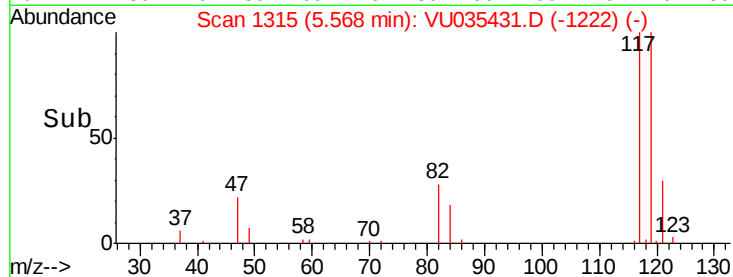
30000

20000

10000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.211 ug/L

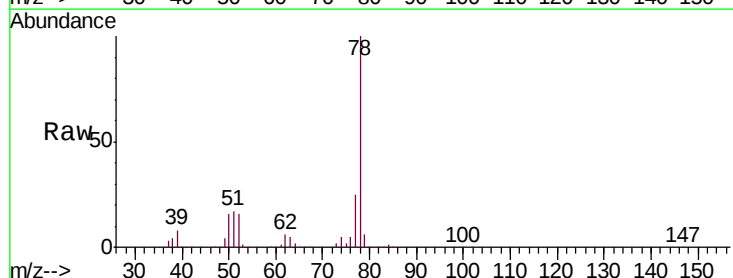
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Tgt Ion: 78 Resp: 361791



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

200000

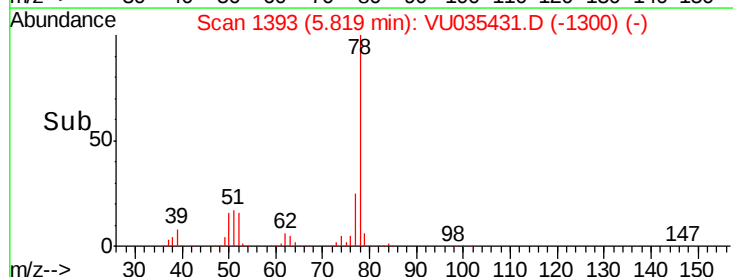
150000

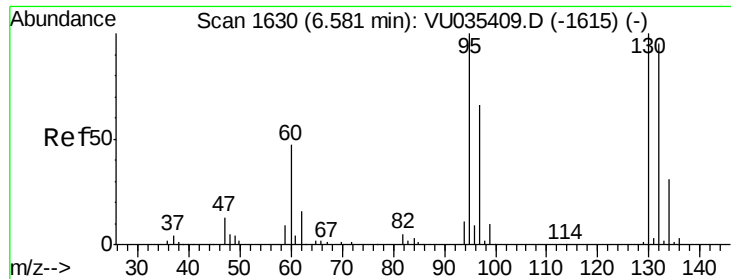
100000

50000

0

Time--> 5.70 5.80 5.90





#34

Trichloroethene

Concen: 4.858 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tgt Ion: 95 Resp: 90674

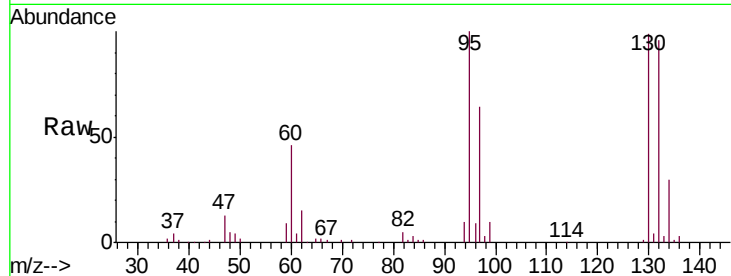
Ion Ratio Lower Upper

95 100

97 63.8 46.6 86.6

132 96.2 68.7 127.7

130 98.7 73.9 137.3

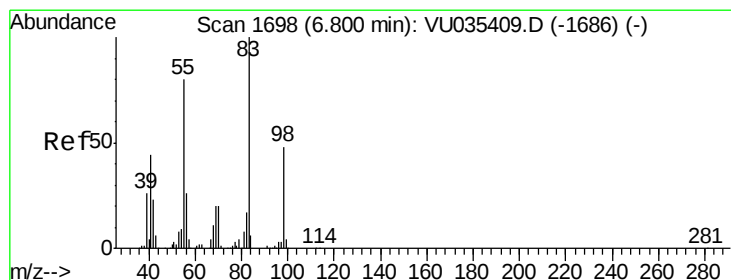
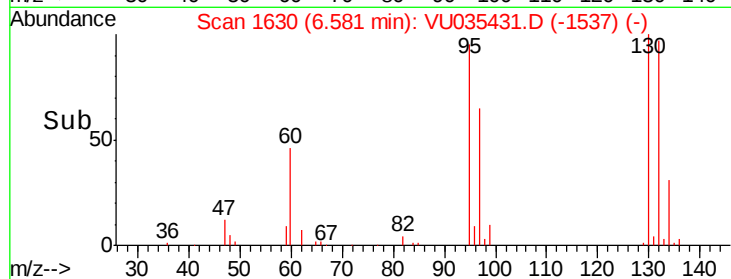
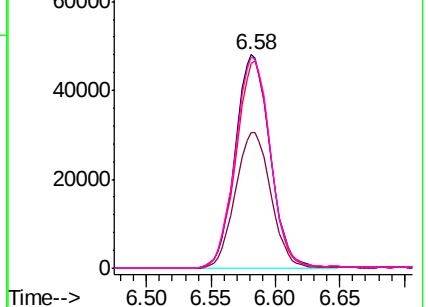


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.045 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

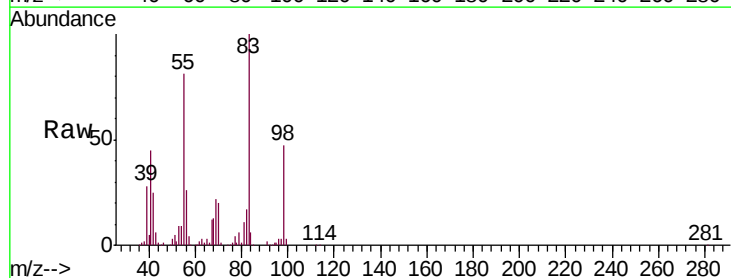
Tgt Ion: 83 Resp: 126186

Ion Ratio Lower Upper

83 100

55 82.0 60.4 90.6

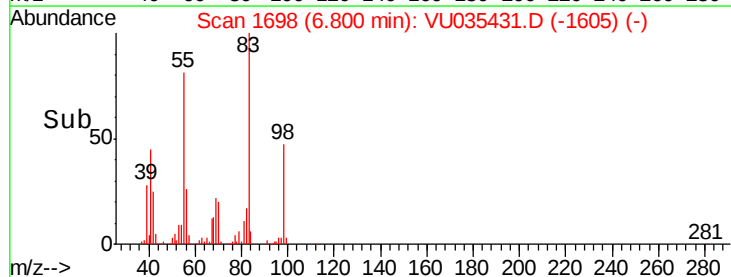
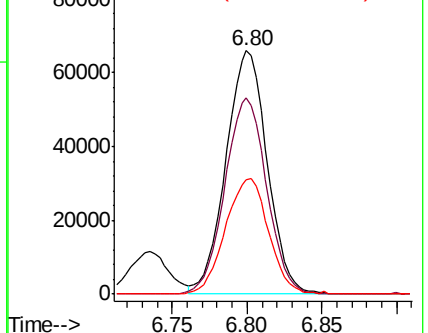
98 49.6 39.5 59.3

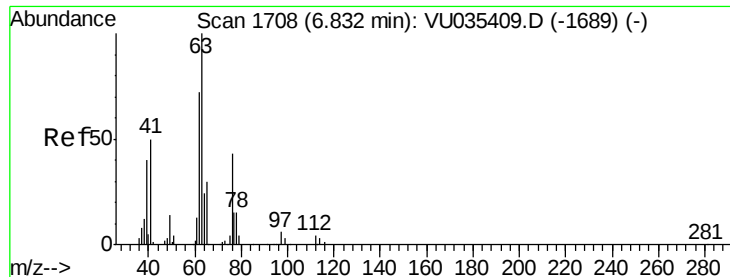


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

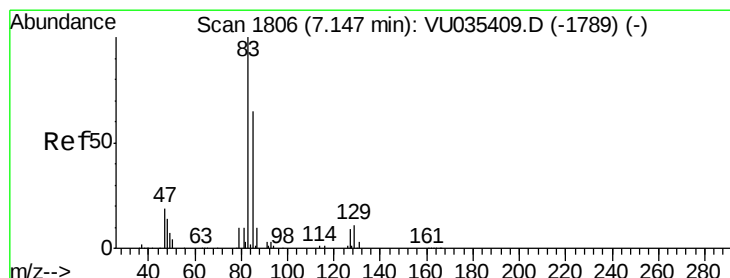
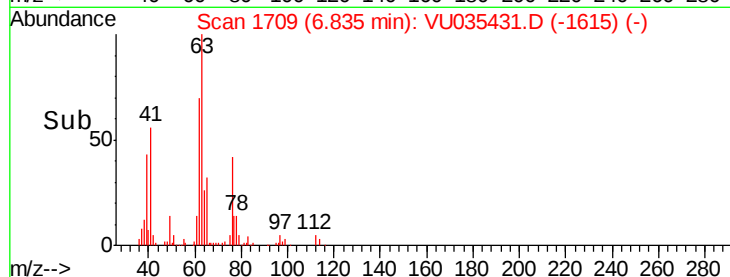
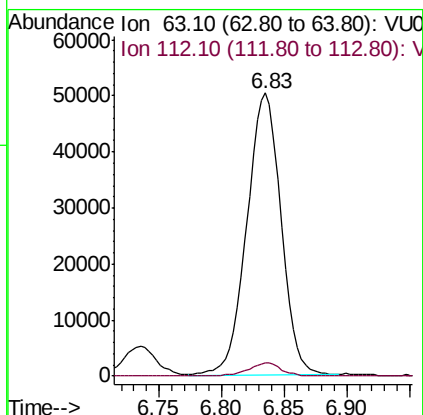
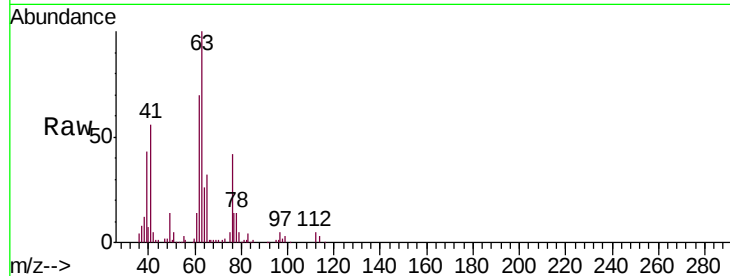




#37
 1,2-Dichloropropane
 Concen: 5.420 ug/L
 RT: 6.83 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

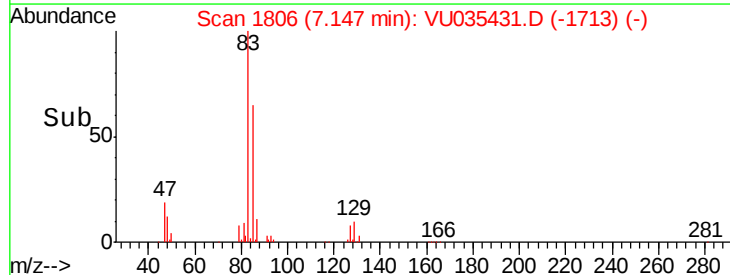
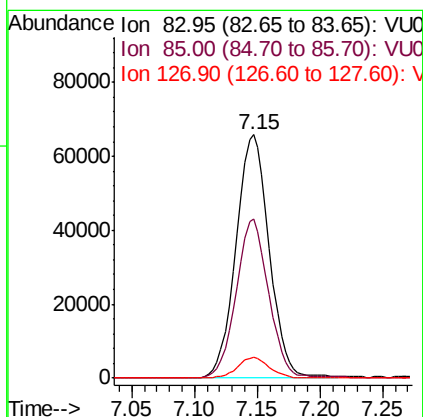
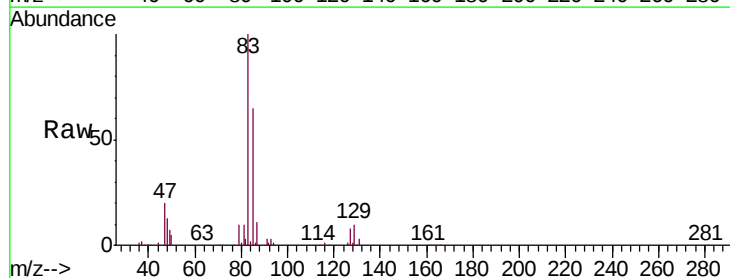
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

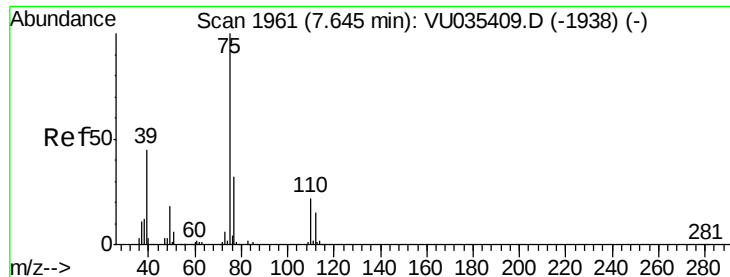
Tgt Ion: 63 Resp: 95529
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.110 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

Tgt Ion: 83 Resp: 121326
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.6 84.8
 127 8.4 6.9 10.3

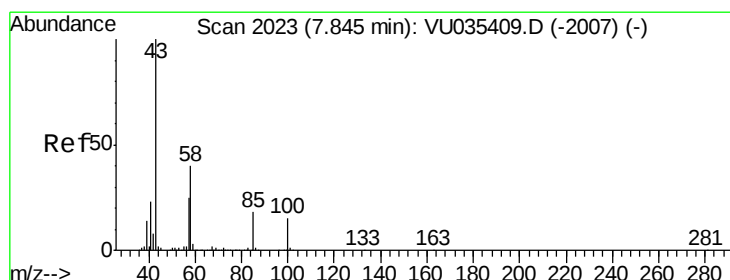
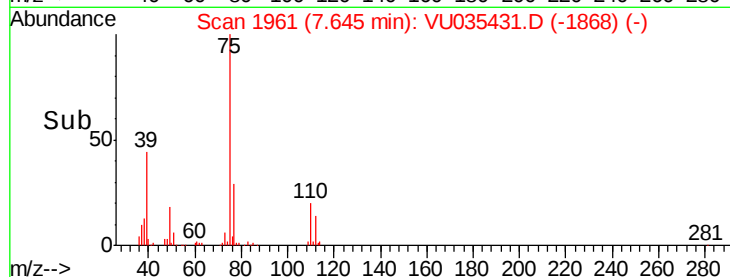
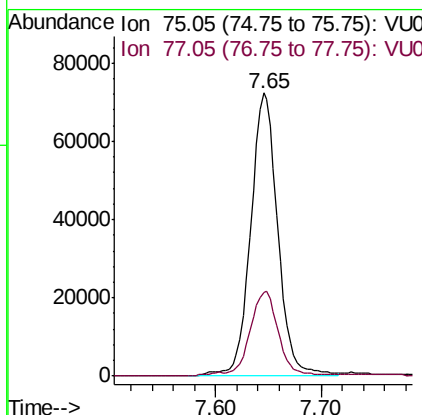
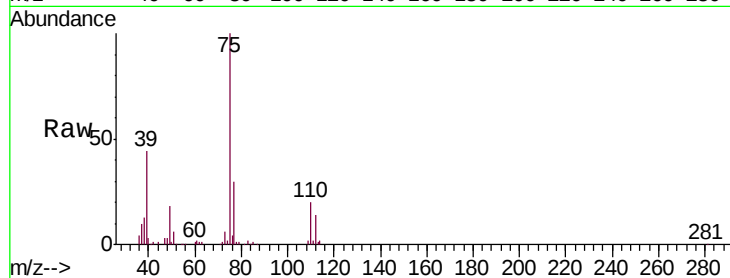




#39
 cis-1,3-Dichloropropene
 Concen: 4.418 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

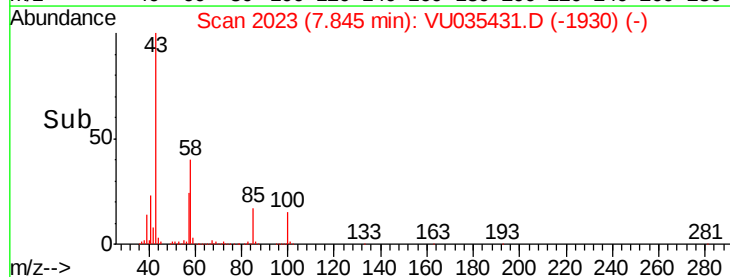
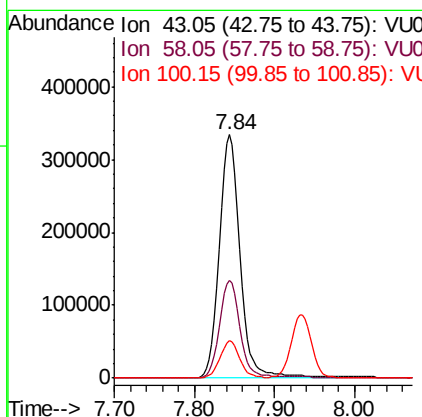
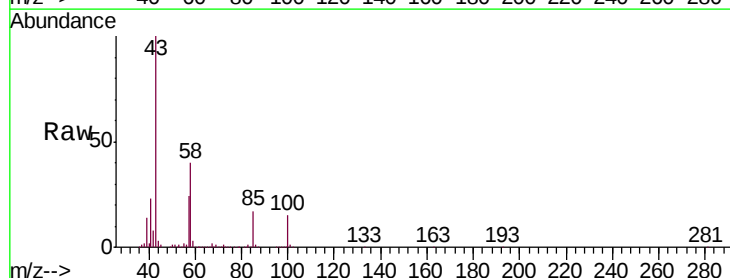
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

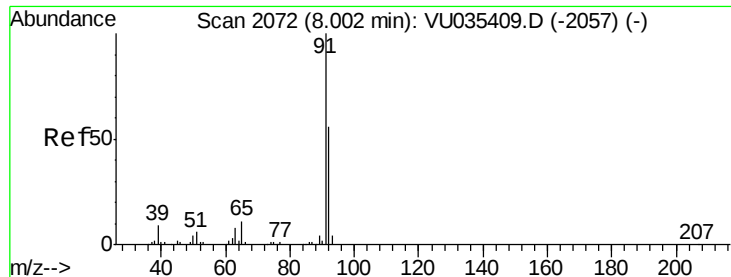
Tgt Ion: 75 Resp: 130327
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 50.908 ug/L
 RT: 7.84 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

Tgt Ion: 43 Resp: 605722
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.3 48.5
 100 14.5 13.4 20.2





#42

Toluene

Concen: 4.986 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

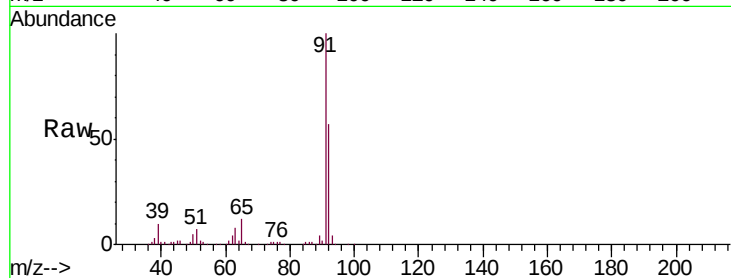
VSTD00514

Tgt Ion: 91 Resp: 382140

Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035409.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035409.D (-2057) (-)

8.01

250000

200000

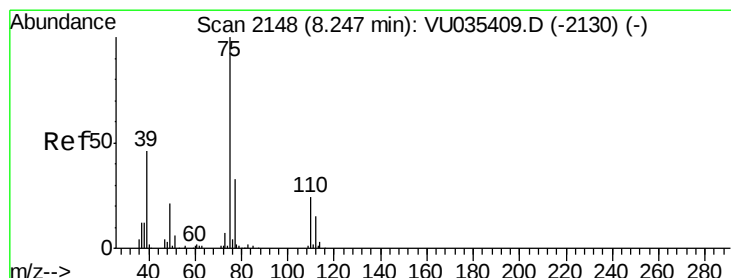
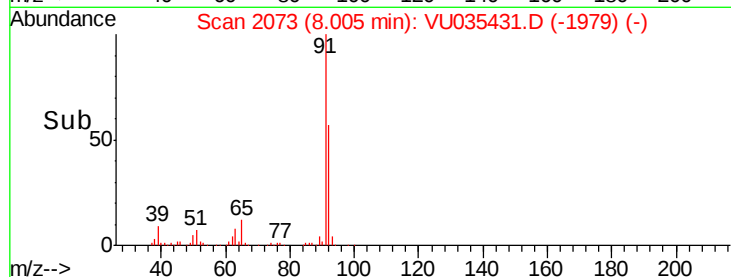
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.571 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035431.D

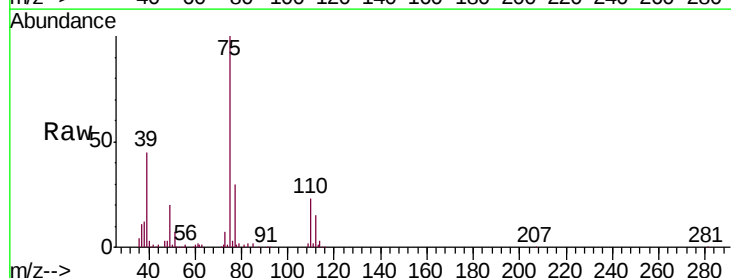
Acq: 24 Oct 2019 01:51

Tgt Ion: 75 Resp: 110206

Ion Ratio Lower Upper

75 100

77 30.2 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VU035409.D (-2130) (-)

Ion 77.05 (76.75 to 77.75): VU035409.D (-2130) (-)

8.25

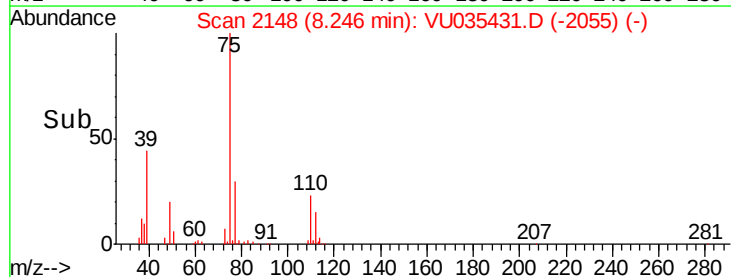
60000

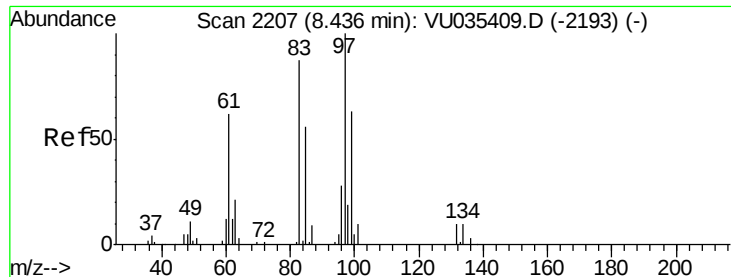
40000

20000

0

Time-->

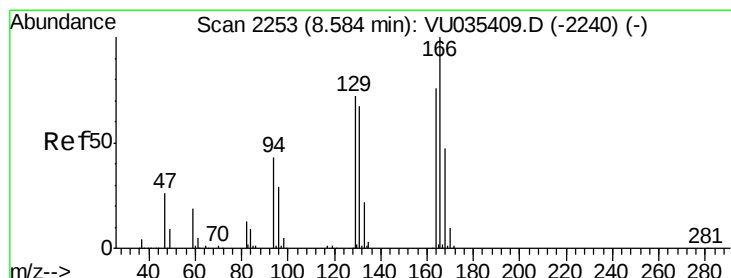
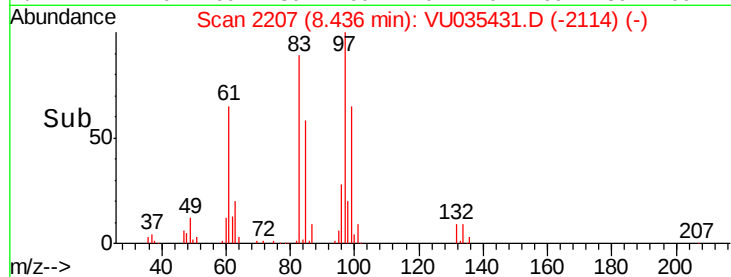
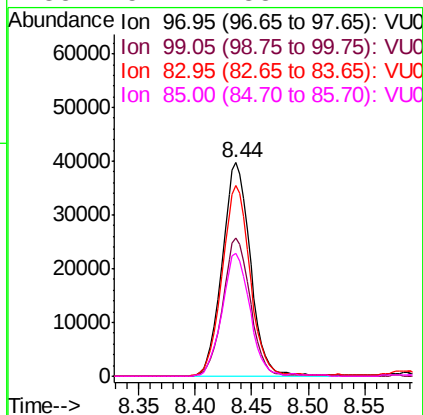
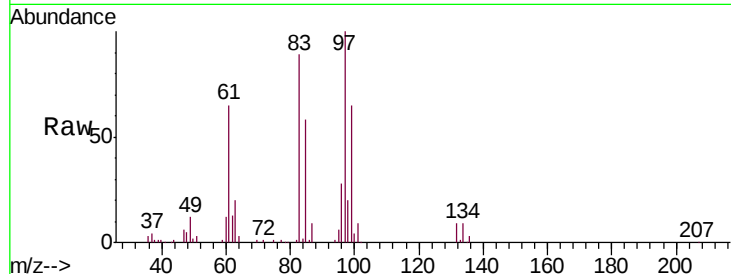




#45
 1,1,2-Trichloroethane
 Concen: 5.281 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

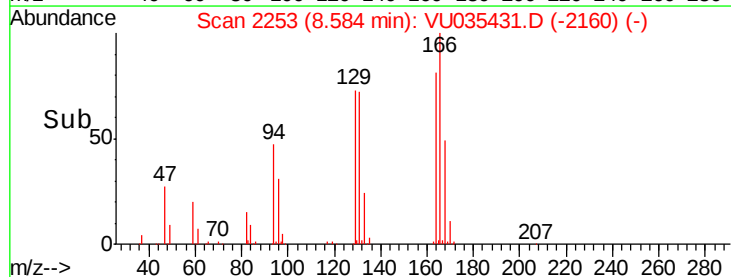
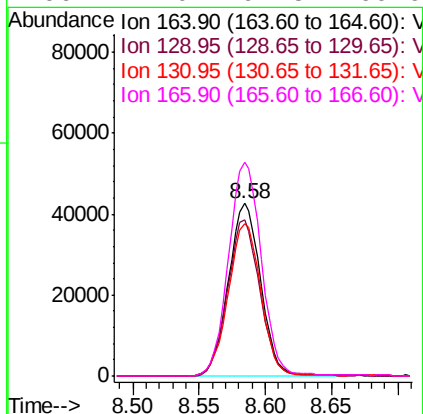
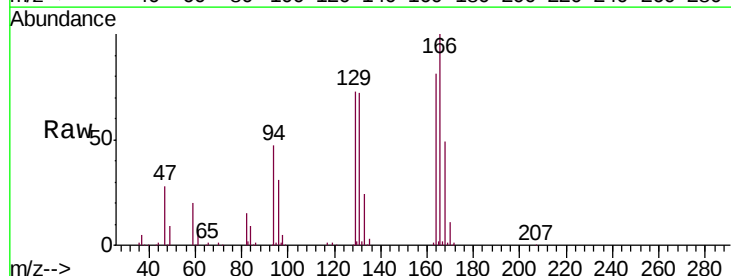
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

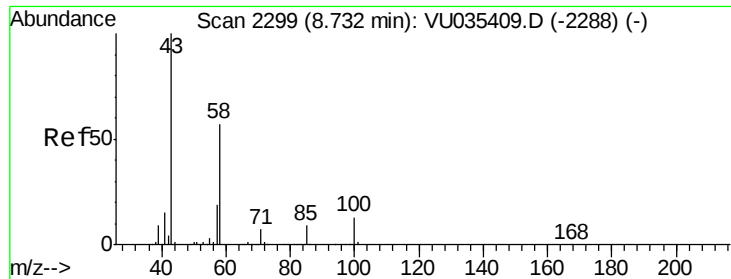
Tgt Ion:	97	Resp:	69103
Ion	Ratio	Lower	Upper
97	100		
99	64.7	42.9	79.7
83	89.1	60.4	112.2
85	57.7	38.4	71.2



#47
 Tetrachloroethene
 Concen: 4.634 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

Tgt Ion:	164	Resp:	72069
Ion	Ratio	Lower	Upper
164	100		
129	90.5	65.2	121.0
131	88.7	62.9	116.9
166	124.0	91.5	169.9

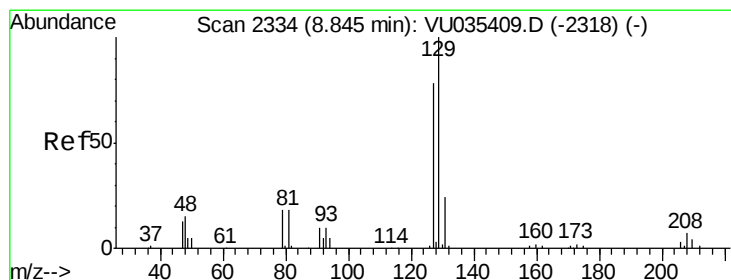
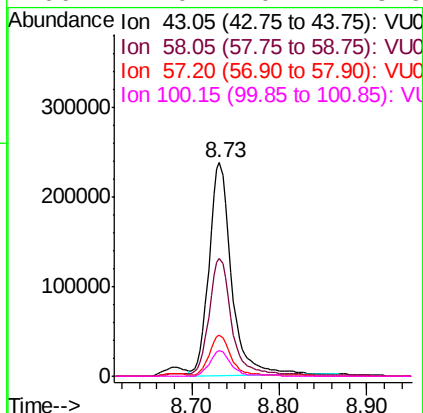
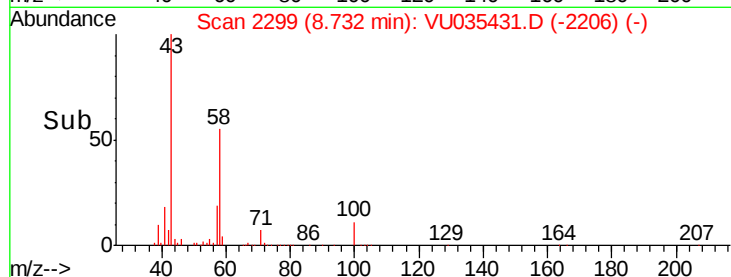
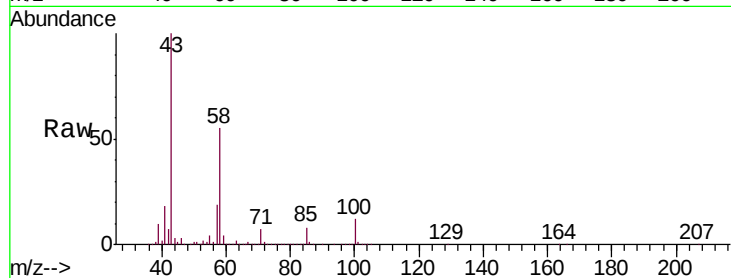




#48
2-Hexanone
Concen: 50.803 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

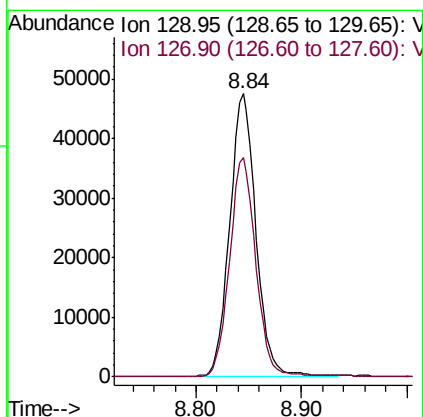
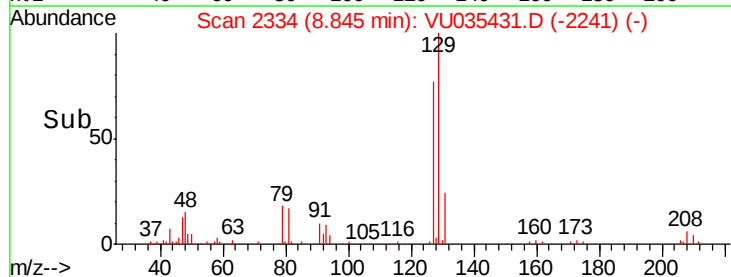
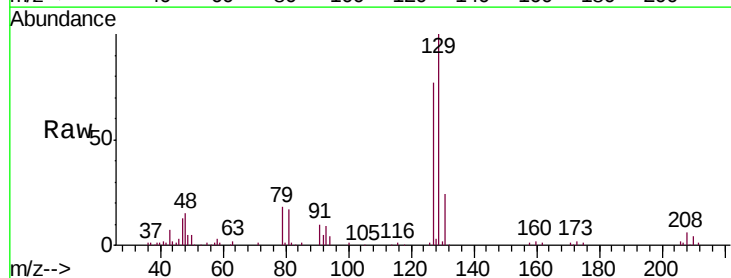
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

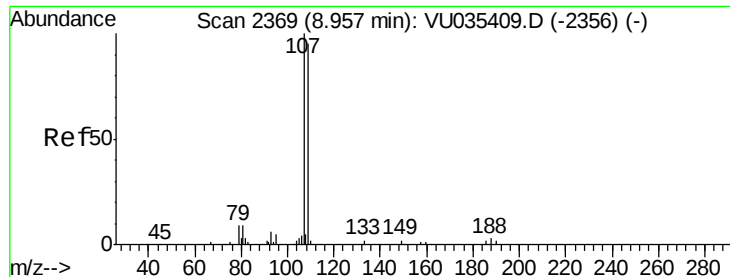
Tgt Ion: 43 Resp: 423916
Ion Ratio Lower Upper
43 100
58 55.3 45.1 67.7
57 18.6 16.0 24.0
100 12.0 10.4 15.6



#49
Dibromochloromethane
Concen: 4.940 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

Tgt Ion: 129 Resp: 81945
Ion Ratio Lower Upper
129 100
127 77.3 53.8 99.8

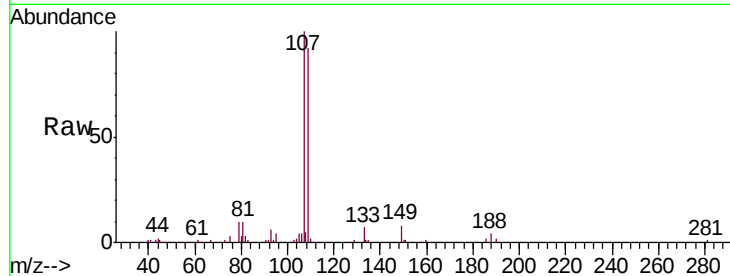




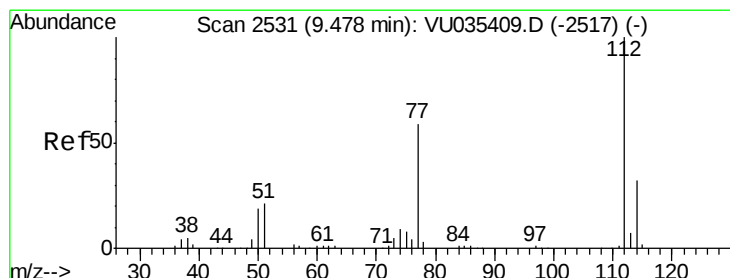
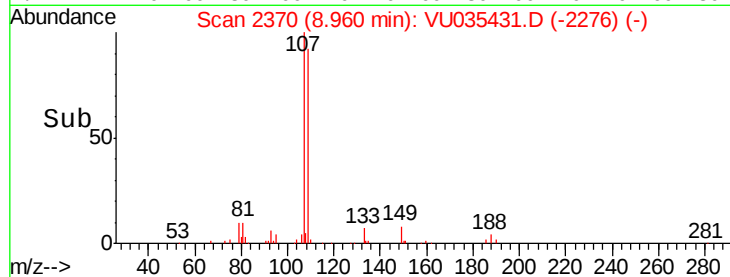
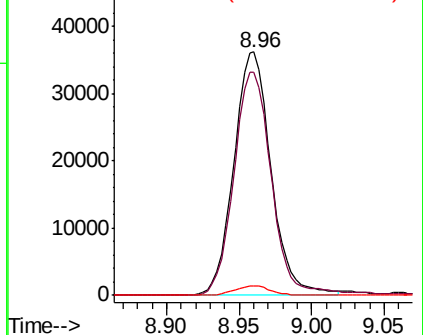
#50
1,2-Dibromoethane
Concen: 4.938 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tgt Ion:107 Resp: 64587
Ion Ratio Lower Upper
107 100
109 91.7 66.1 122.8
188 3.9 3.2 4.8

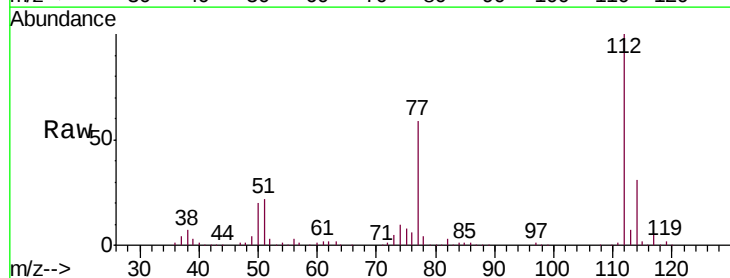


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

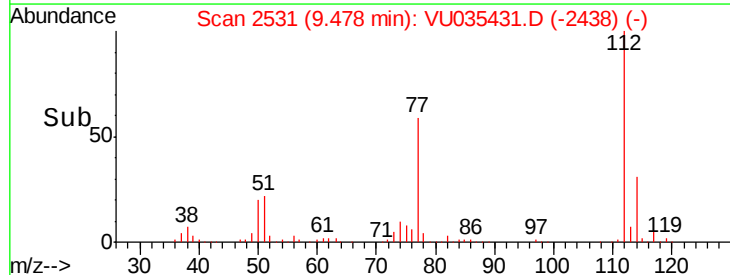
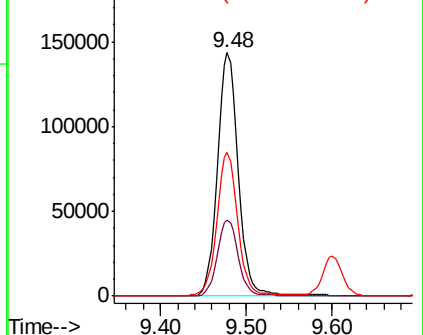


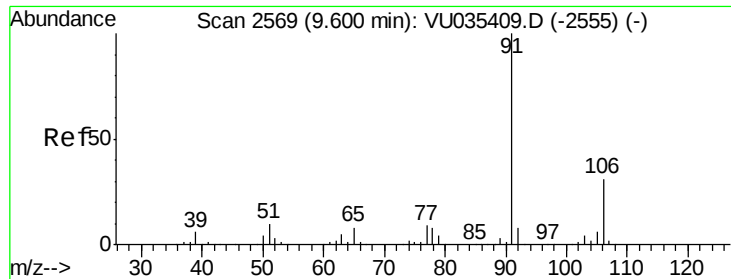
#51
Chlorobenzene
Concen: 4.911 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

Tgt Ion:112 Resp: 243029
Ion Ratio Lower Upper
112 100
114 31.2 23.0 42.8
77 59.1 47.5 71.3



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

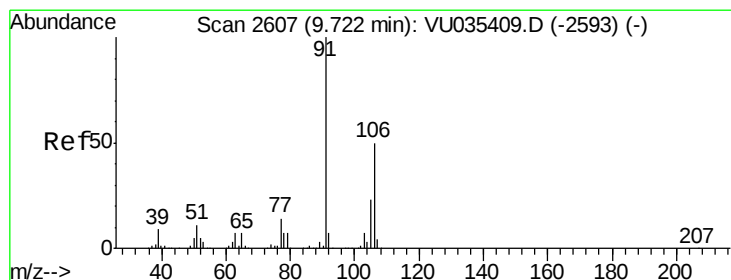
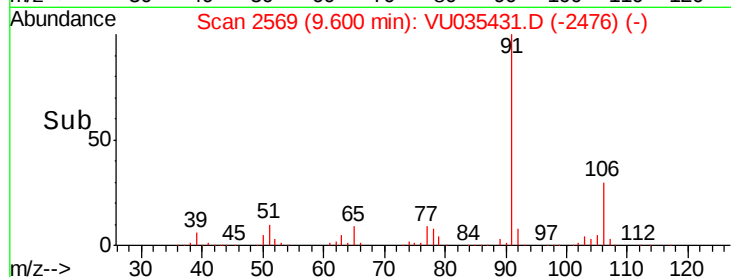
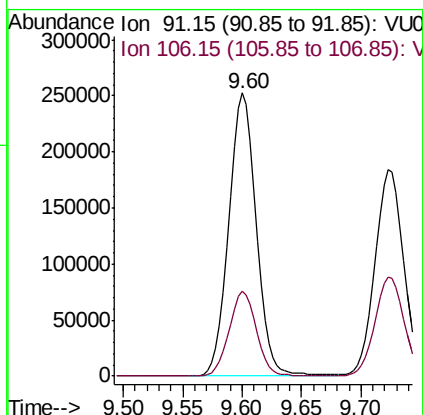
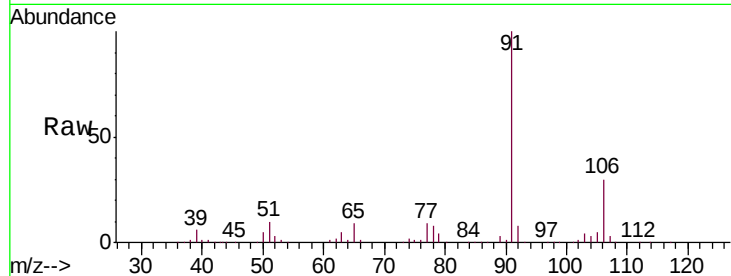




#52
Ethylbenzene
Concen: 4.653 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

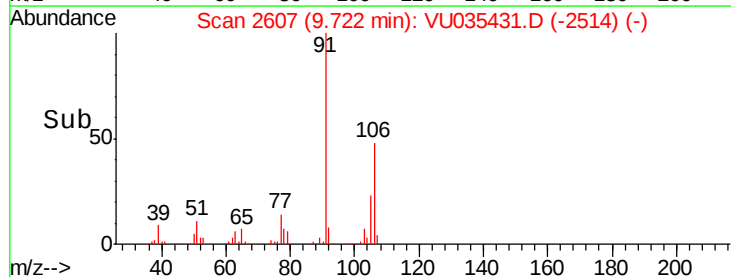
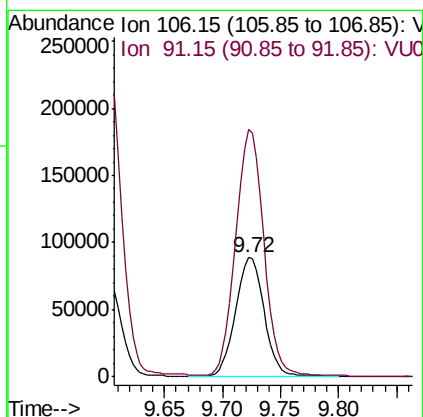
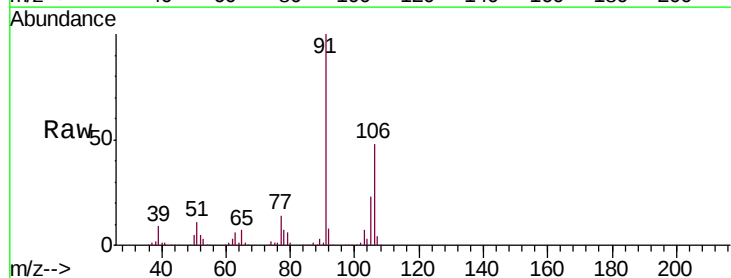
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

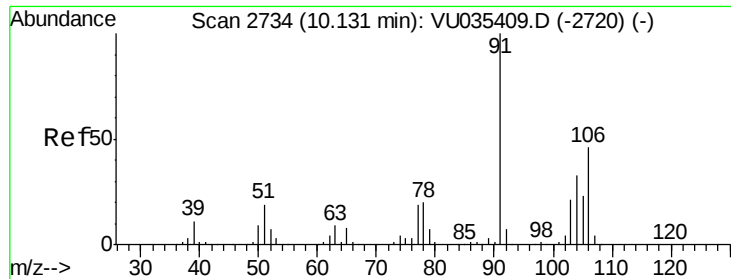
Tgt Ion: 91 Resp: 405493
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.6



#53
m,p-Xylene
Concen: 4.601 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035431.D
Acq: 24 Oct 2019 01:51

Tgt Ion: 106 Resp: 151414
Ion Ratio Lower Upper
106 100
91 207.5 142.0 263.6





#54

o-Xylene

Concen: 4.593 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

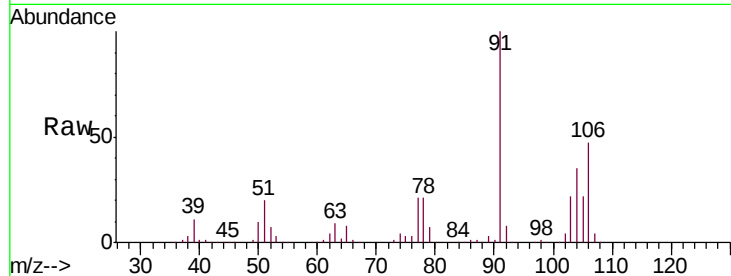
VSTD00514

Tgt Ion:106 Resp: 147523

Ion Ratio Lower Upper

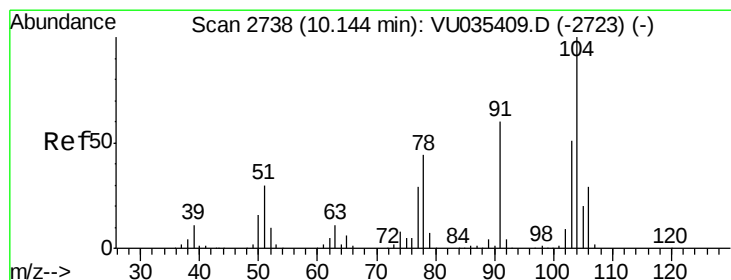
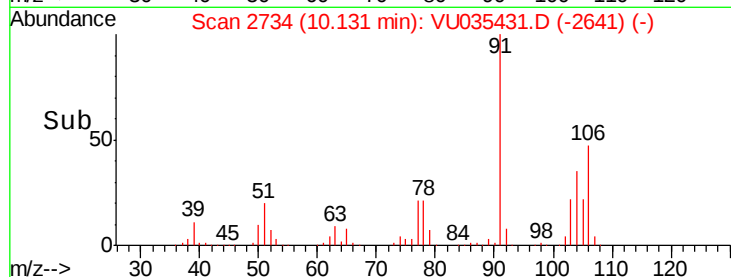
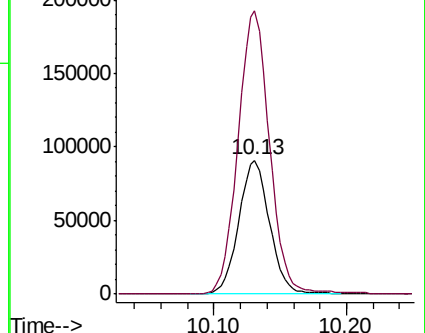
106 100

91 211.8 153.2 284.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.826 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035431.D

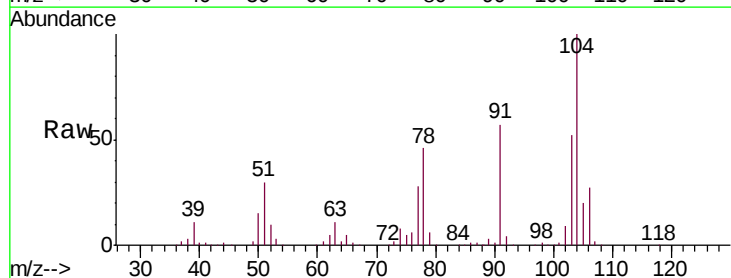
Acq: 24 Oct 2019 01:51

Tgt Ion:104 Resp: 252347

Ion Ratio Lower Upper

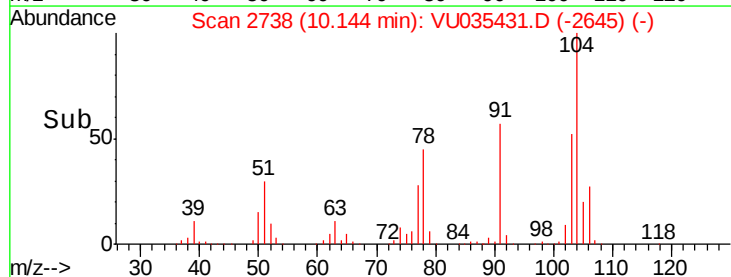
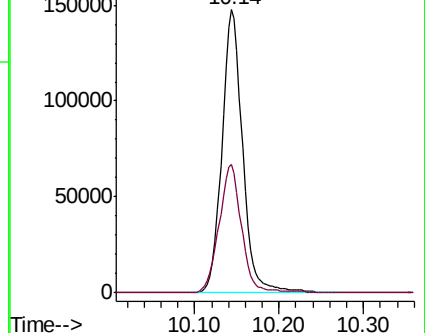
104 100

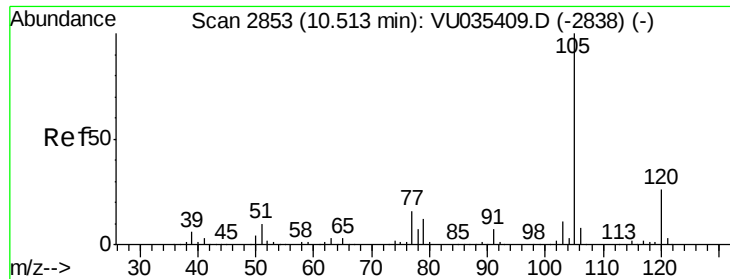
78 45.5 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.445 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

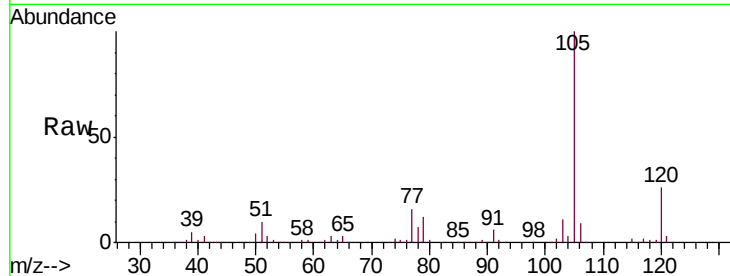
Tgt Ion: 105 Resp: 384065

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

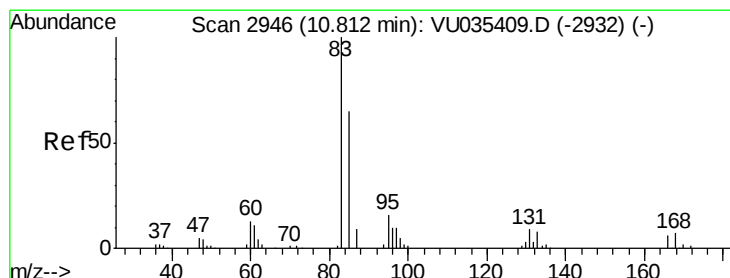
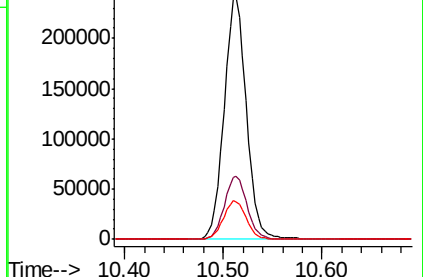
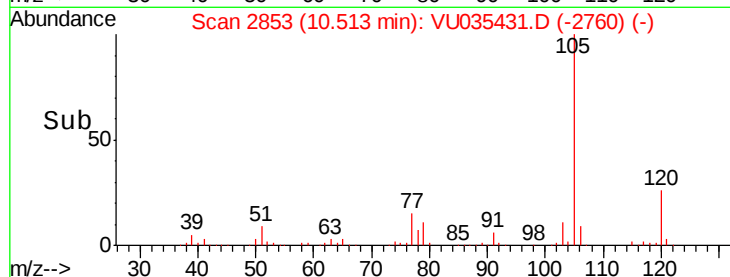
77 16.5 12.6 19.0



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: 5.467 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

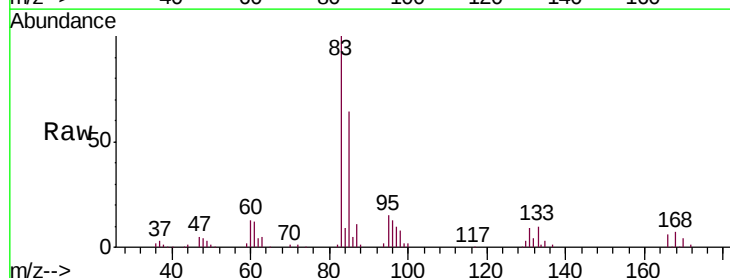
Tgt Ion: 83 Resp: 92067

Ion Ratio Lower Upper

83 100

85 64.0 46.8 86.8

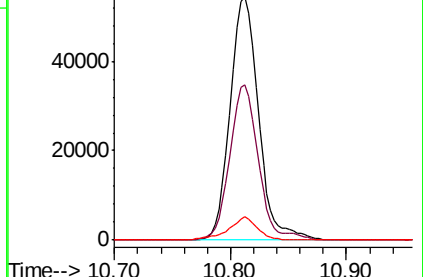
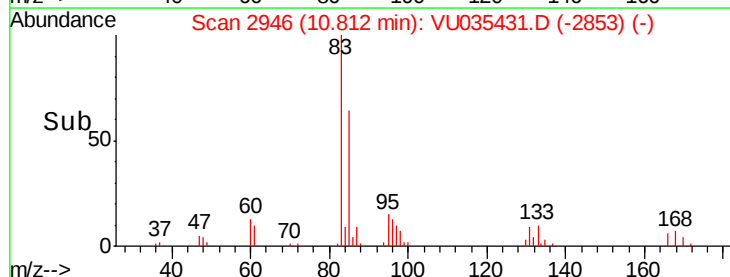
131 9.4 7.5 11.3

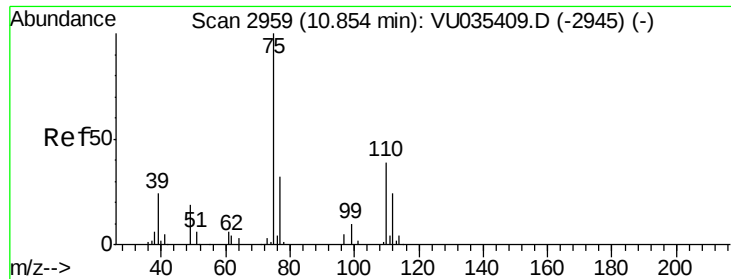


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

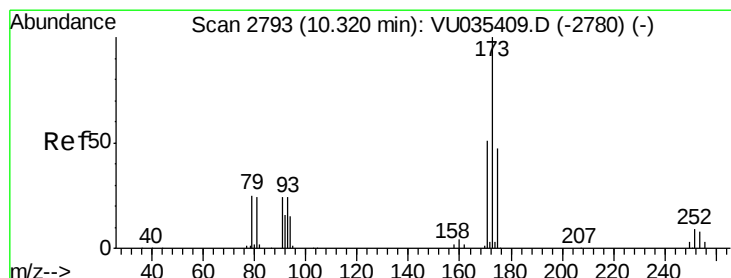
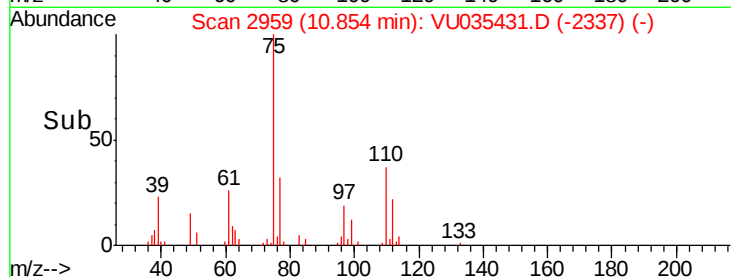
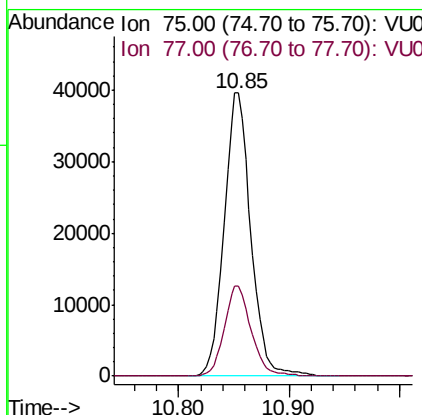
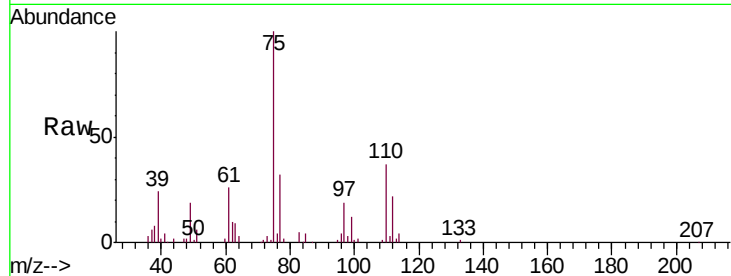




#59
 1,2,3-Trichloropropane
 Concen: 5.394 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

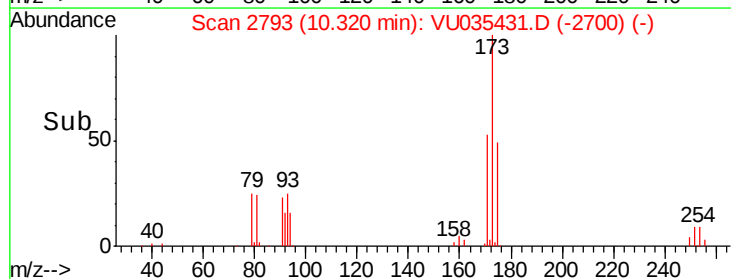
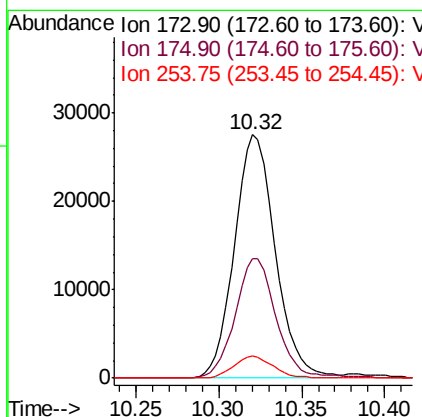
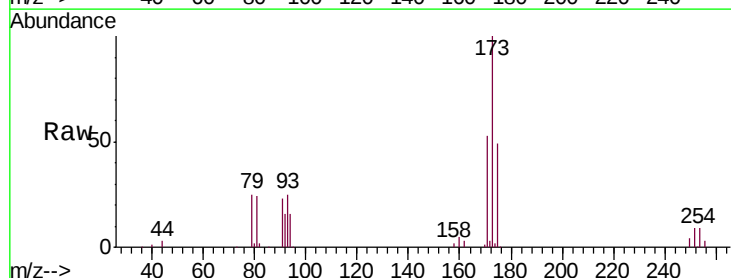
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

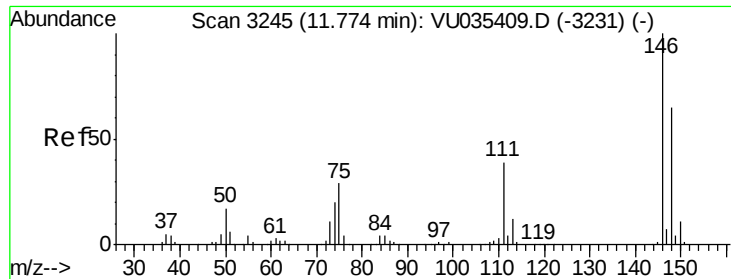
Tgt Ion: 75 Resp: 66238
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.2



#61
 Bromoform
 Concen: 4.565 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

Tgt Ion: 173 Resp: 47330
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.8 58.2
 254 8.6 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.873 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampled :

VSTD00514

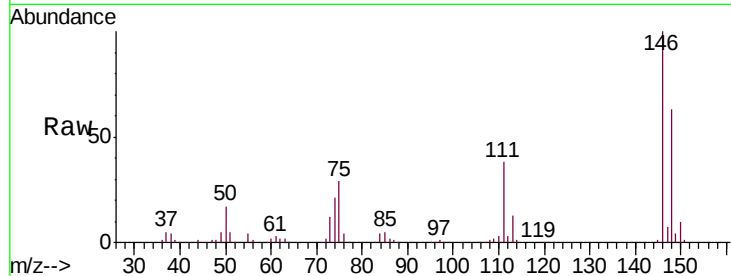
Tgt Ion:146 Resp: 186131

Ion Ratio Lower Upper

146 100

111 37.9 27.8 51.6

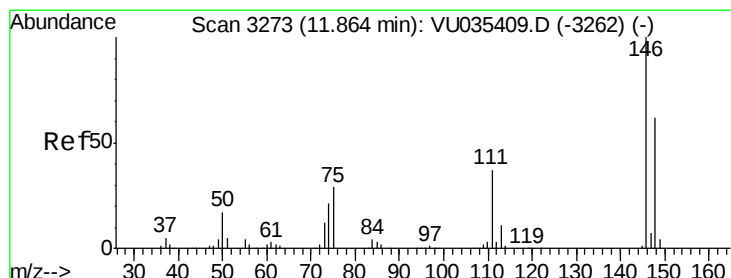
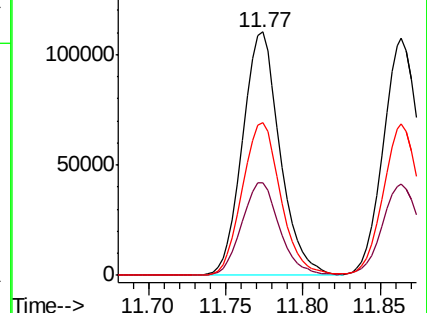
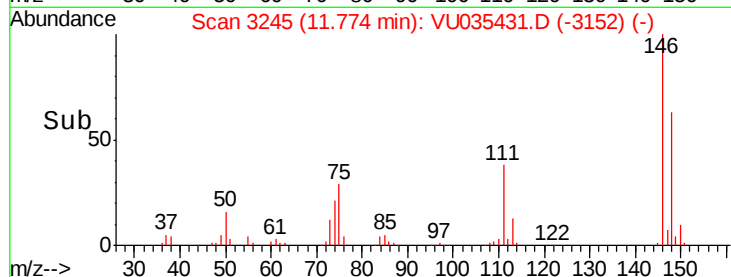
148 62.7 45.6 84.8



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: 4.846 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

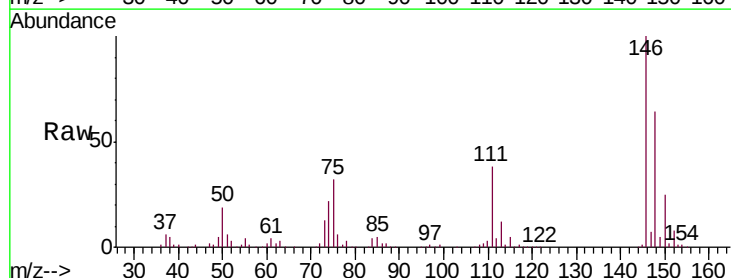
Tgt Ion:146 Resp: 181967

Ion Ratio Lower Upper

146 100

111 38.5 26.4 49.0

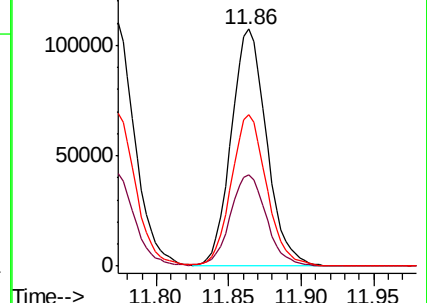
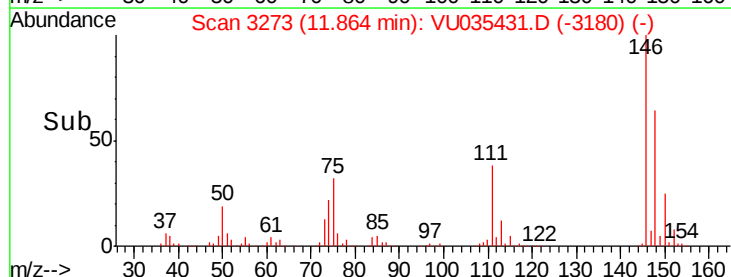
148 64.2 44.7 83.1

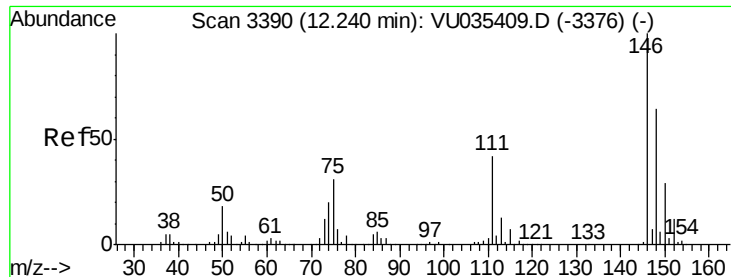


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

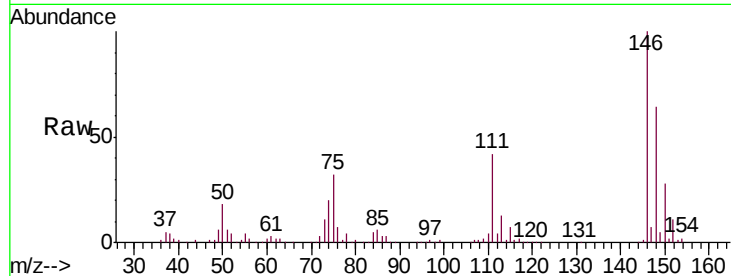




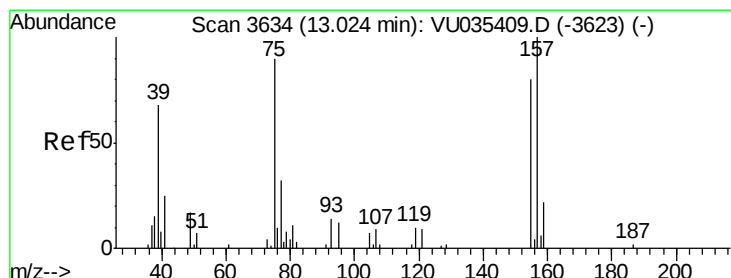
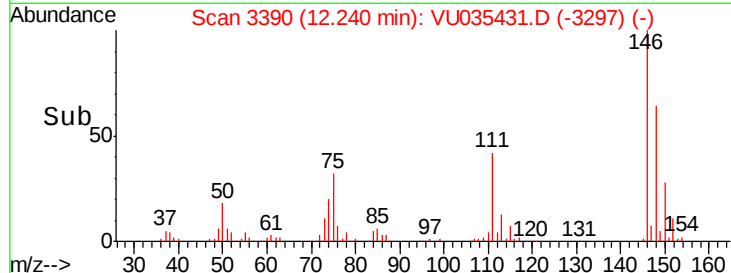
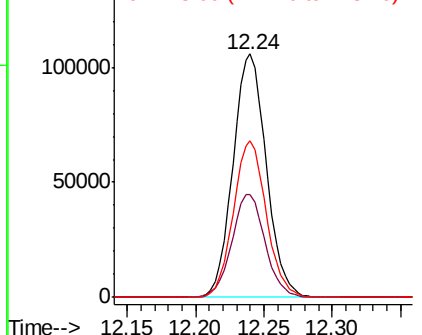
#65
 1,2-Dichlorobenzene
 Concen: 4.989 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tgt Ion: 146 Resp: 179028
 Ion Ratio Lower Upper
 146 100
 111 42.3 33.0 49.6
 148 64.2 51.0 76.4

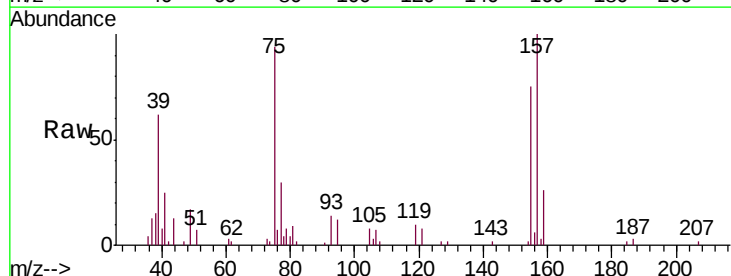


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

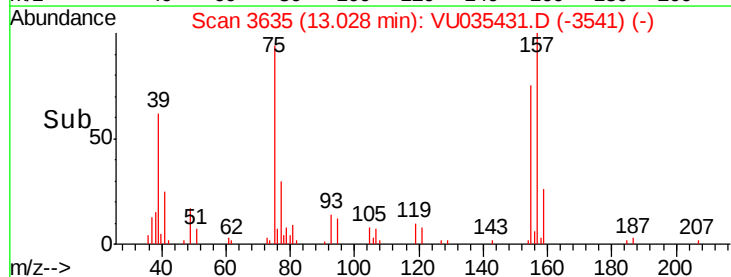
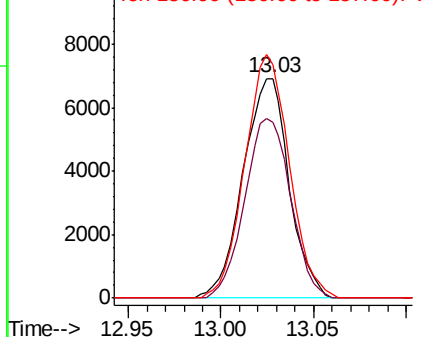


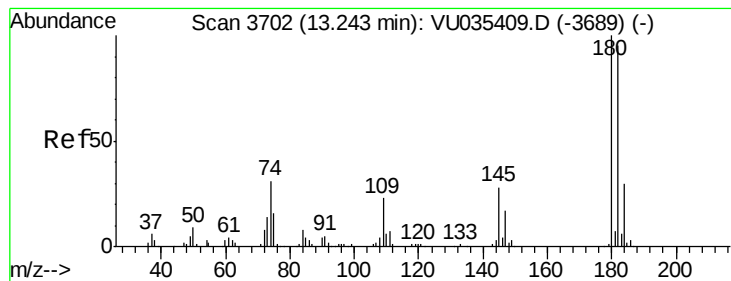
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.721 ug/L
 RT: 13.03 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU035431.D
 Acq: 24 Oct 2019 01:51

Tgt Ion: 75 Resp: 11965
 Ion Ratio Lower Upper
 75 100
 155 80.0 70.0 105.0
 157 105.9 94.7 142.1



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 4.823 ug/L

RT: 13.24 min Scan# 3702

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tgt Ion:180 Resp: 114153

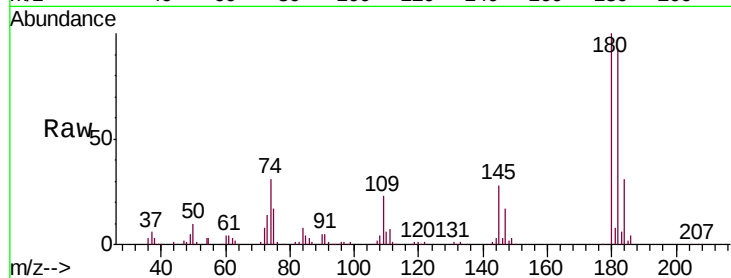
Ion Ratio Lower Upper

180 100

182 93.6 77.4 116.2

184 30.2 23.9 35.9

145 27.0 22.4 33.6

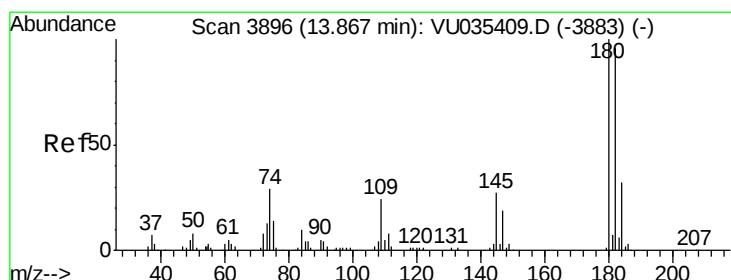
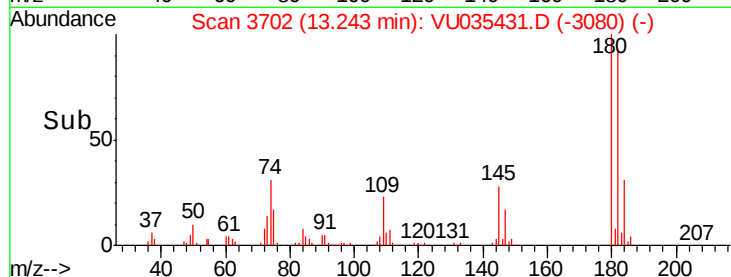
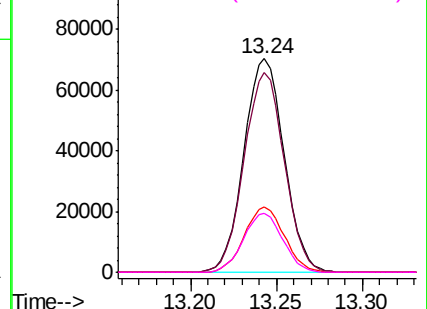


Abundance Ion 180.00 (179.70 to 180.70): V

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: 4.600 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

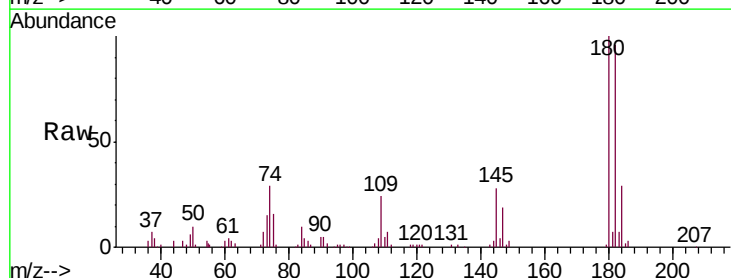
Tgt Ion:180 Resp: 72480

Ion Ratio Lower Upper

180 100

182 94.5 75.9 113.9

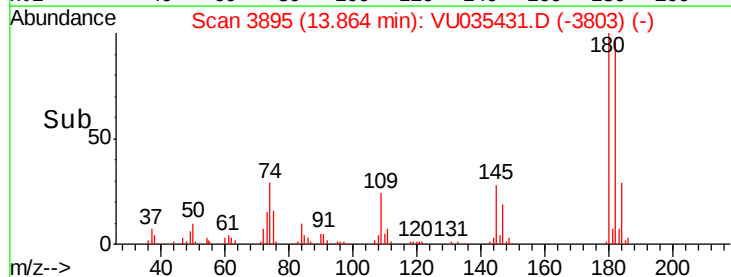
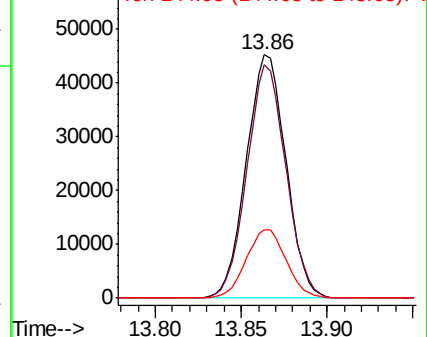
145 28.5 23.4 35.2

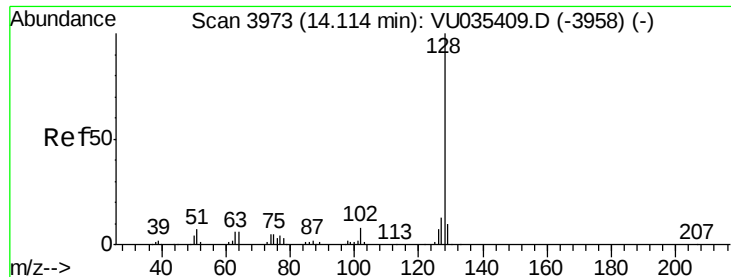


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.303 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

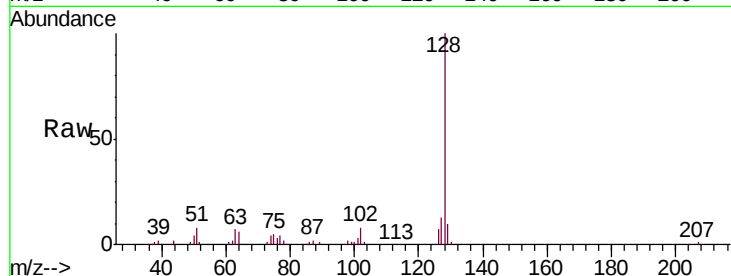
Tgt Ion:128 Resp: 93072

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

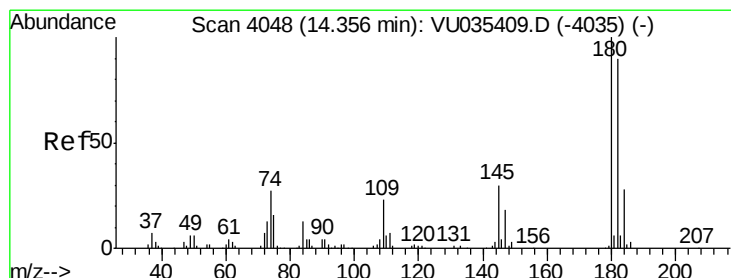
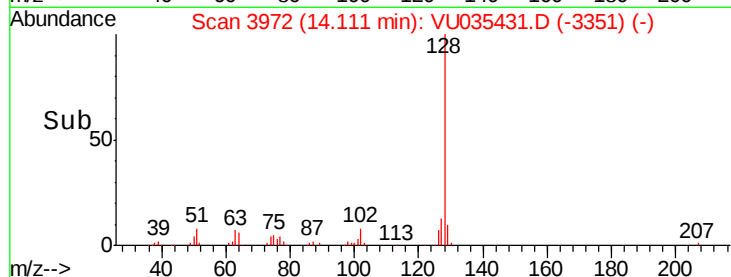
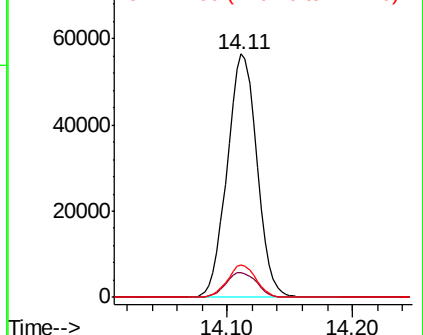
127 12.8 10.7 16.1



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: 5.017 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035431.D

Acq: 24 Oct 2019 01:51

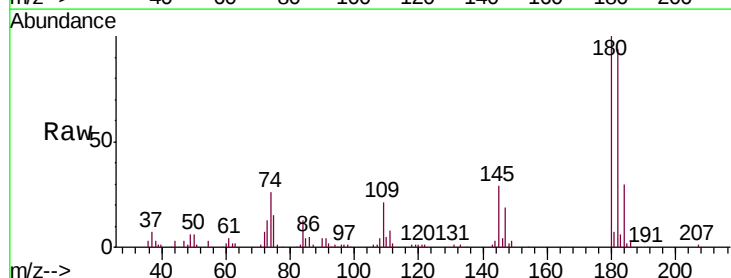
Tgt Ion:180 Resp: 73918

Ion Ratio Lower Upper

180 100

182 94.5 76.0 114.0

145 30.7 24.6 37.0



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

