

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122520\
 Data File : VU041817.D
 Acq On : 24 Dec 2020 20:17
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Dec 25 03:49:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 25 03:47:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	123443	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119067	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	62512	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39950	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.92	69	42523	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.80%
11) 1,1-Dichloroethene-d2	2.58	63	86587	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	4.66	46	147609	53.25	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.50%
24) Chloroform-d	5.08	84	90624	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
26) 1,2-Dichloroethane-d4	5.72	65	49641	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.74	84	163686	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.70	67	52317	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.90	98	144365	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.18	79	23276	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.64	63	135762	51.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53177	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	58118	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	54517	5.213 ug/L	99
3) Chloromethane	1.52	50	53101	5.226 ug/L	100
5) Vinyl chloride	1.61	62	62132	5.538 ug/L	98
6) Bromomethane	1.86	94	43634	6.221 ug/L	98
8) Chloroethane	1.94	64	40568	5.324 ug/L	99
9) Trichlorofluoromethane	2.15	101	91057	6.413 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52875	6.226 ug/L	96
12) 1,1-Dichloroethene	2.59	96	50885	6.077 ug/L	93
13) Acetone	2.68	43	96246	54.583 ug/L	99
14) Carbon disulfide	2.81	76	153110	5.291 ug/L	99
15) Methyl Acetate	2.97	43	25083	5.472 ug/L	93
16) Methylene chloride	3.06	84	61634	6.163 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	130626	5.846 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	51475	5.943 ug/L	91
19) 1,1-Dichloroethane	3.89	63	93024	5.746 ug/L	96
21) 2-Butanone	4.74	43	135425	47.151 ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	51010	5.328 ug/L	97

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 VSTD00530

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 25 03:47:04 2020
 Response via : Initial Calibration

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

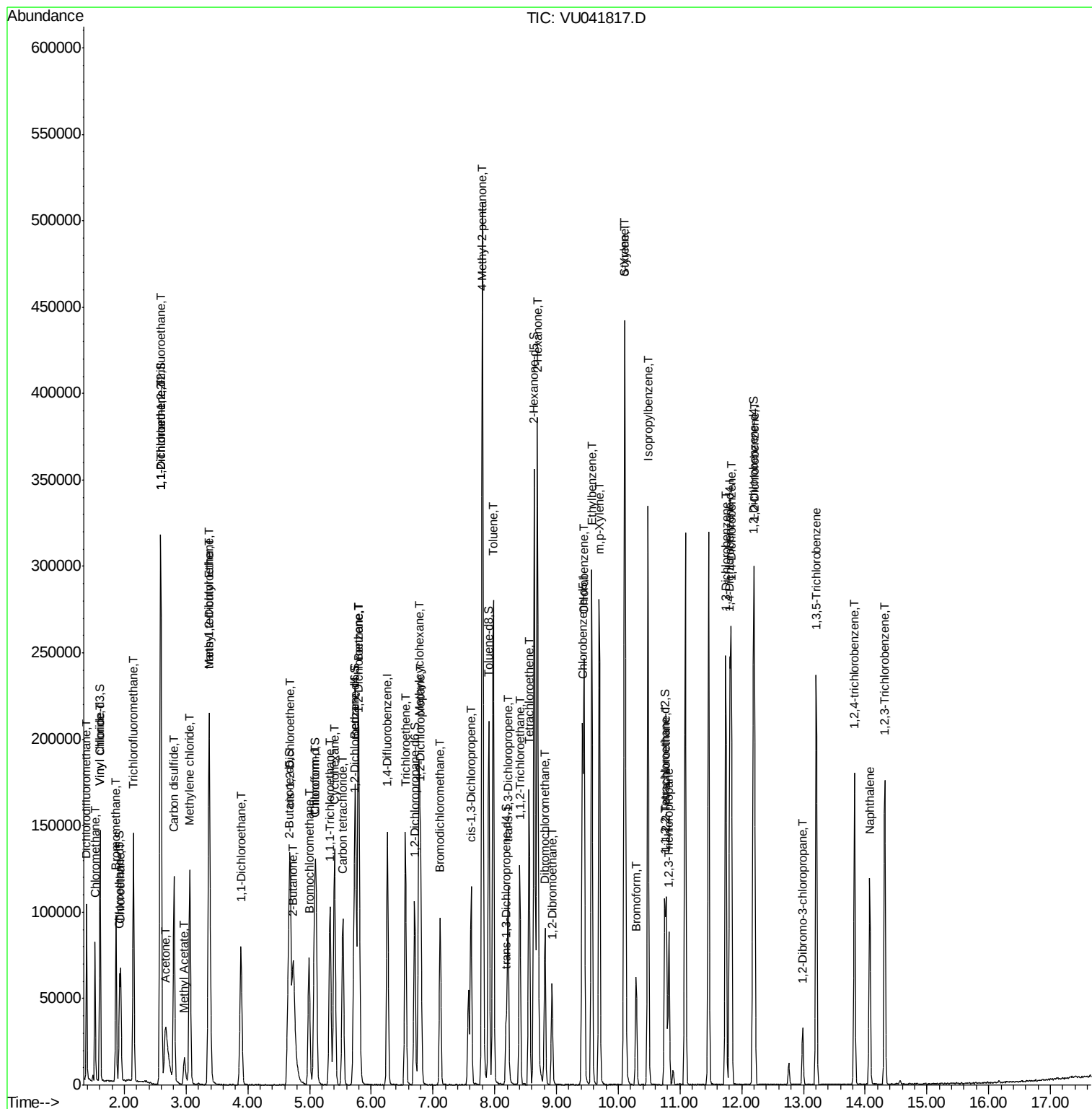
23) Bromochloromethane	4.99	128	25665	5.836	ug/L #	85
25) Chloroform	5.11	83	89372	5.482	ug/L	95
27) 1,2-Dichloroethane	5.81	62	57118	5.174	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	77347	5.657	ug/L	97
30) Cyclohexane	5.40	56	66772	4.357	ug/L	92
31) Carbon tetrachloride	5.54	117	67743	5.730	ug/L	100
33) Benzene	5.79	78	195624	5.137	ug/L	100
34) Trichloroethene	6.55	95	50453	5.273	ug/L	95
35) Methylcyclohexane	6.77	83	71058	4.594	ug/L	98
37) 1,2-Dichloropropane	6.80	63	49467	5.079	ug/L	100
38) Bromodichloromethane	7.11	83	65776	5.428	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	71414	4.948	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	319451	46.092	ug/L #	95
42) Toluene	7.98	91	210032	5.342	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	65308	5.060	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	40120	5.570	ug/L	98
47) Tetrachloroethene	8.56	164	40692	6.075	ug/L	92
48) 2-Hexanone	8.69	43	240142	47.609	ug/L #	97
49) Dibromochloromethane	8.81	129	49178	5.944	ug/L	100
50) 1,2-Dibromoethane	8.93	107	38998	5.473	ug/L	99
51) Chlorobenzene	9.45	112	134750	5.514	ug/L	94
52) Ethylbenzene	9.57	91	214386	5.121	ug/L	97
53) m,p-Xylene	9.69	106	83560	5.352	ug/L	100
54) o-Xylene	10.10	106	82592	5.401	ug/L	94
55) Styrene	10.11	104	140356	5.313	ug/L	99
56) Isopropylbenzene	10.48	105	216873	5.328	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	51399	5.128	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	37770	5.163	ug/L	99
61) Bromoform	10.29	173	30226	6.396	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	104162	5.448	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	103842	5.402	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	102448	5.472	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	8941	5.093	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	75941	5.233	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	58217	4.780	ug/L	99
69) Naphthalene	14.07	128	100049	3.969	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	57034	4.914	ug/L	98

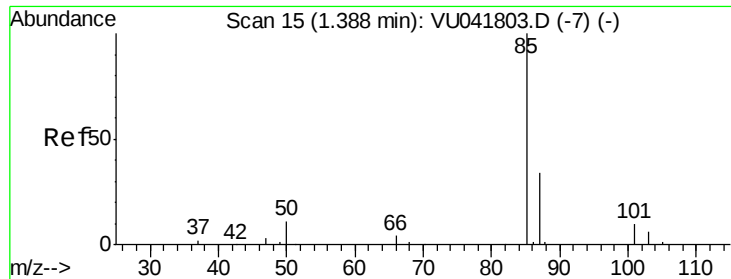
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample    : VSTDCCC005EC  
Misc      : 25.0mL/MSVOA U/WATER  
ALS Vial  : 18      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.213 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

MSVOA_U

ClientSampleId :

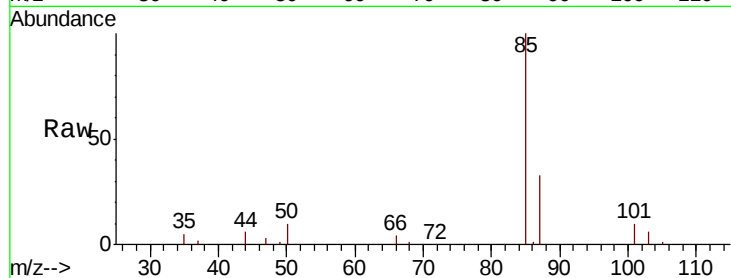
VSTD00530

Tot Ion: 85 Resp: 54517

Ion Ratio Lower Upper

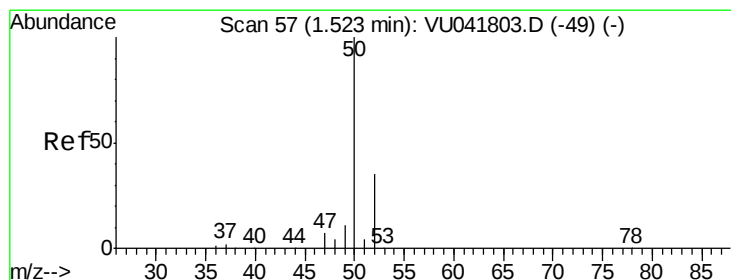
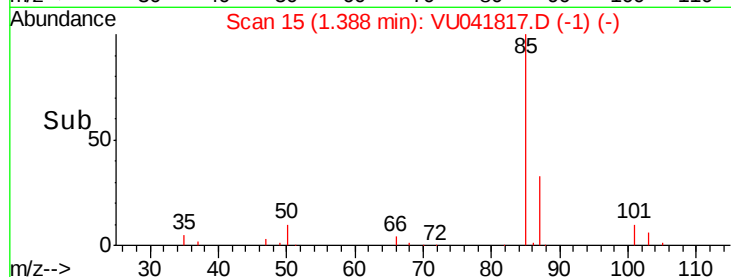
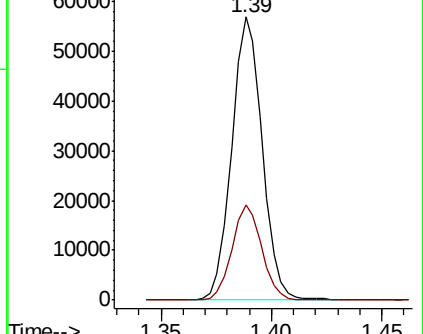
85 100

87 32.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041803.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041803.D (-7) (-)



#3

Chloromethane

Concen: 5.226 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041817.D

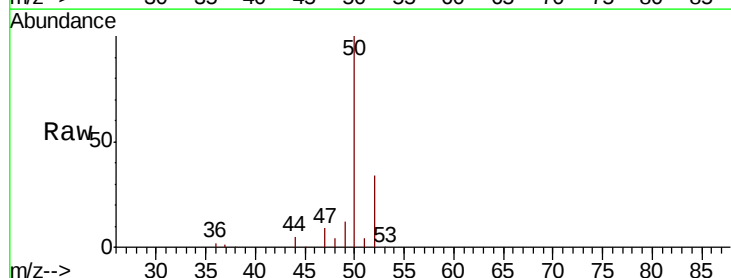
Acq: 24 Dec 2020 20:17

Tgt Ion: 50 Resp: 53101

Ion Ratio Lower Upper

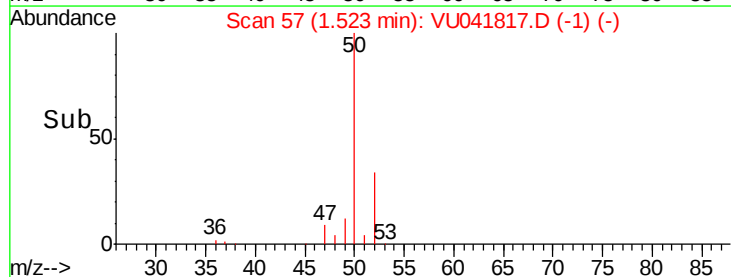
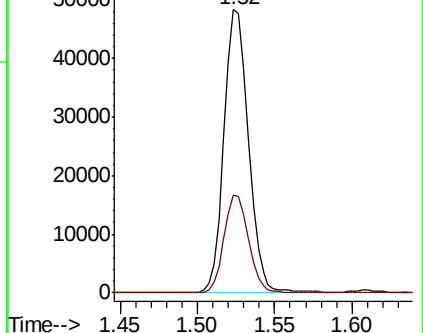
50 100

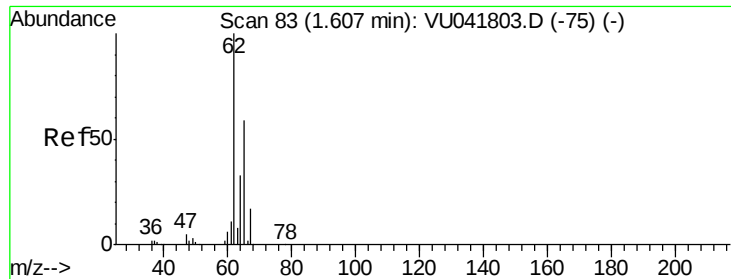
52 34.3 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041803.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041803.D (-49) (-)





#5

Vinyl chloride

Concen: 5.538 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

MSVOA_U

ClientSampleId :

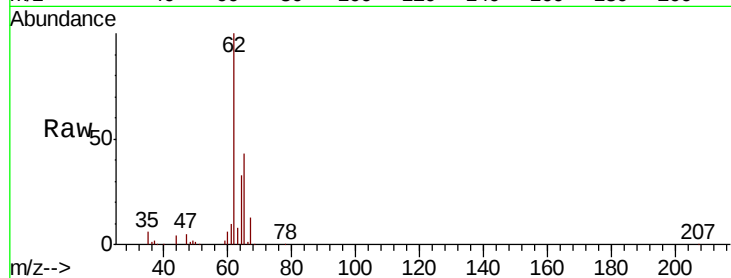
VSTD00530

Tot Ion: 62 Resp: 62132

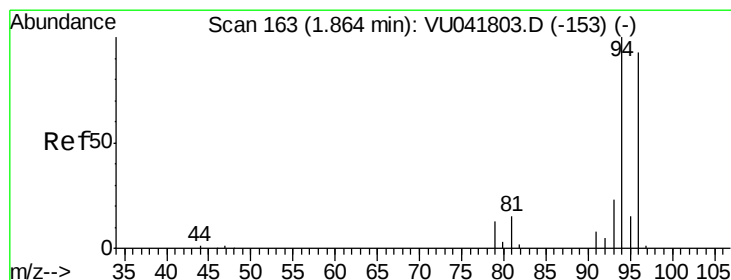
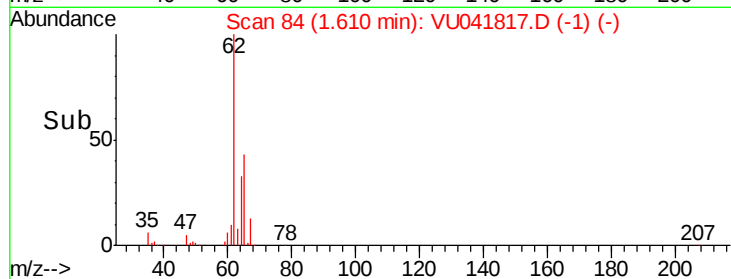
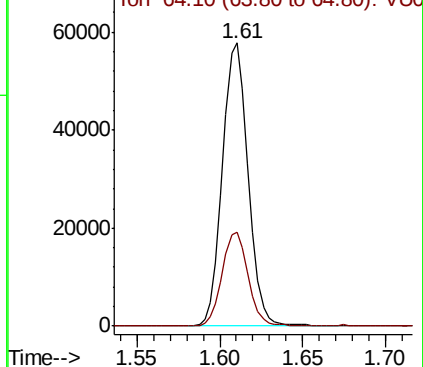
Ion Ratio Lower Upper

62 100

64 33.2 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041817.D (-1) (-)



#6

Bromomethane

Concen: 6.221 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041817.D

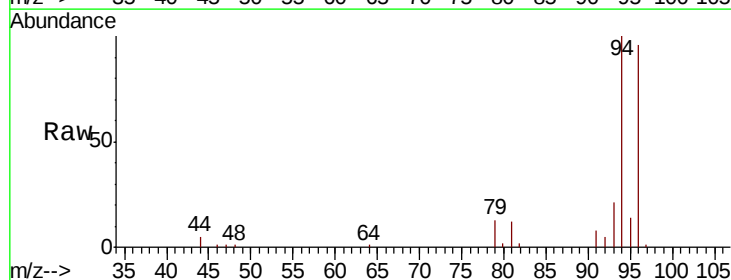
Acq: 24 Dec 2020 20:17

Tgt Ion: 94 Resp: 43634

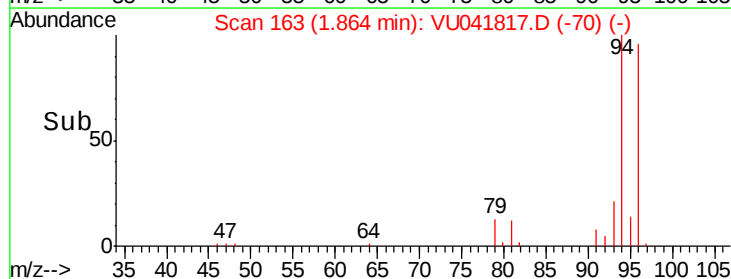
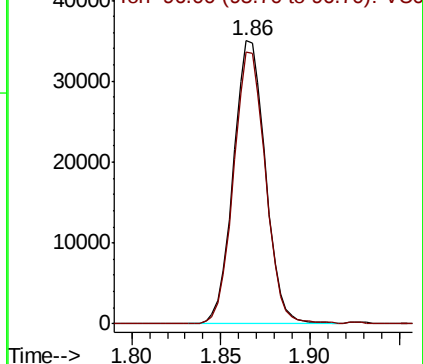
Ion Ratio Lower Upper

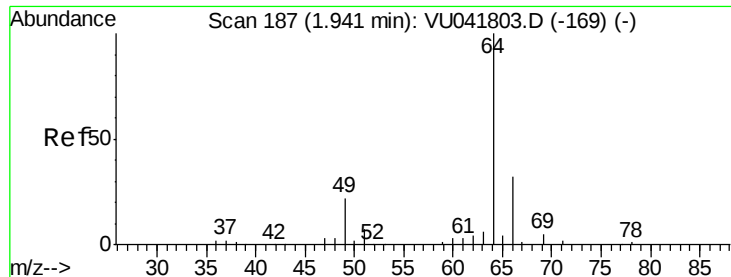
94 100

96 95.8 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU041817.D (-70) (-)

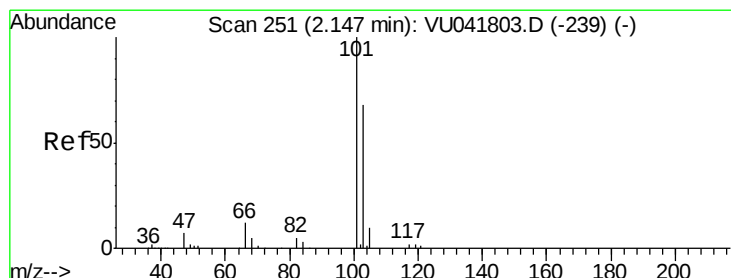
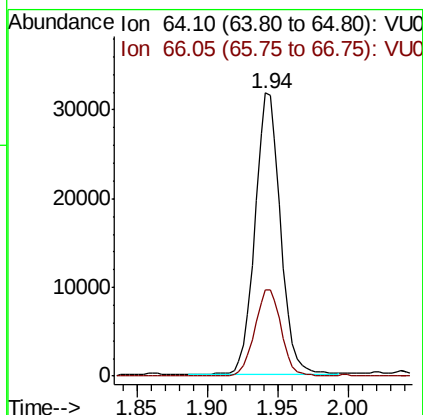
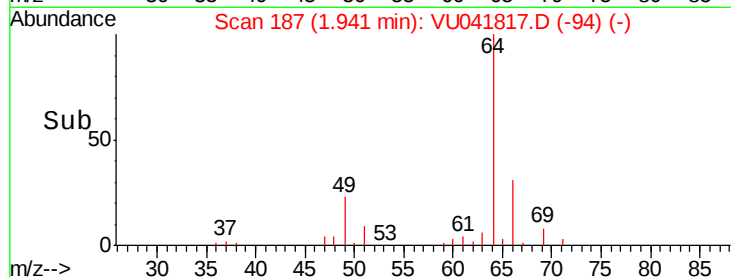
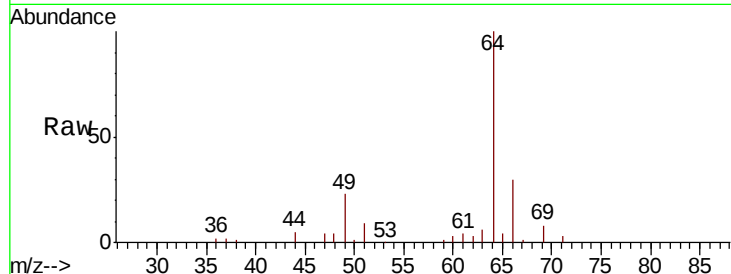




#8
Chloroethane
Concen: 5.324 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

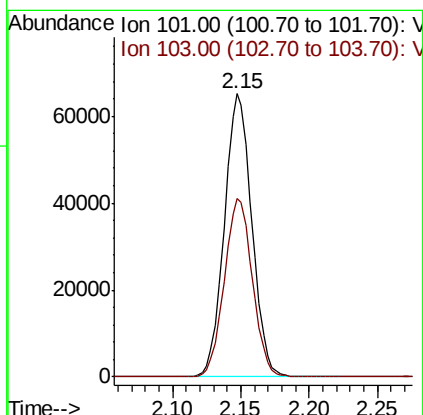
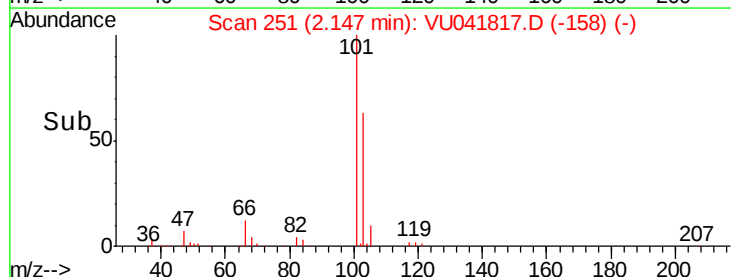
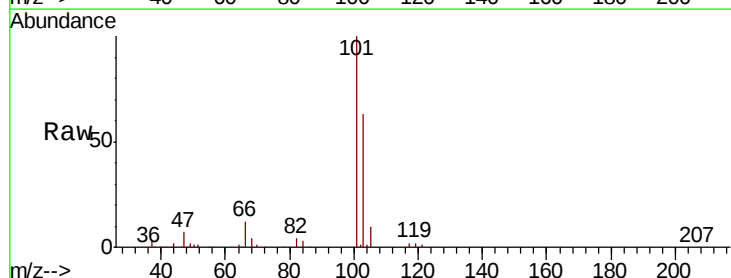
Instrument :
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ClientSampleId :
VSTD00530

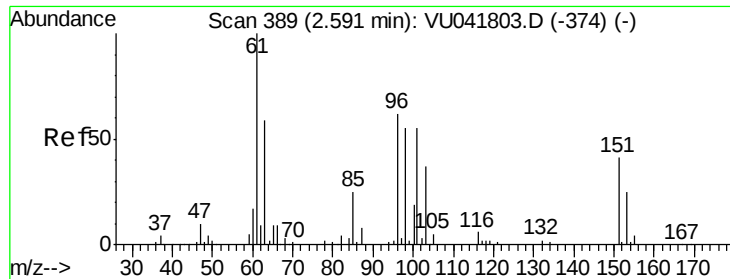
Tot Ion: 64 Resp: 40568
Ion Ratio Lower Upper
64 100
66 30.4 21.6 40.0



#9
Trichlorofluoromethane
Concen: 6.413 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

Tgt Ion:101 Resp: 91057
Ion Ratio Lower Upper
101 100
103 64.3 51.1 76.7





#10

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

Concen: 6.226 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

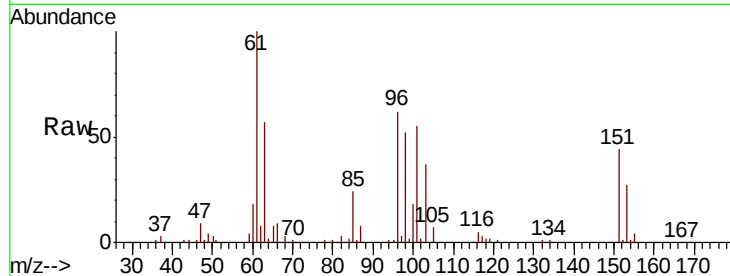
Tot Ion:101 Resp: 52875

Ion Ratio Lower Upper

101 100

85 41.8 33.6 50.4

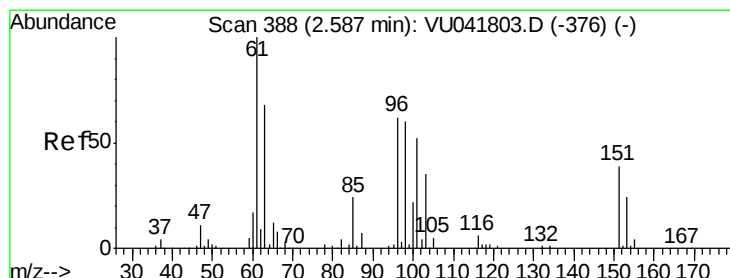
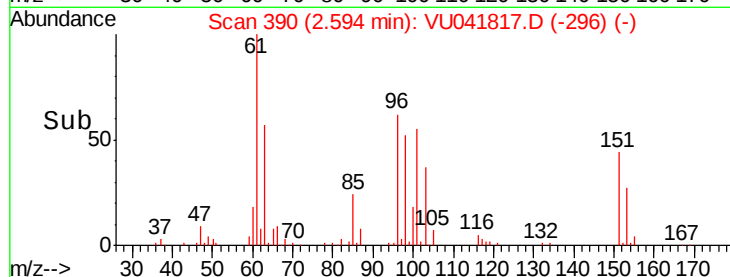
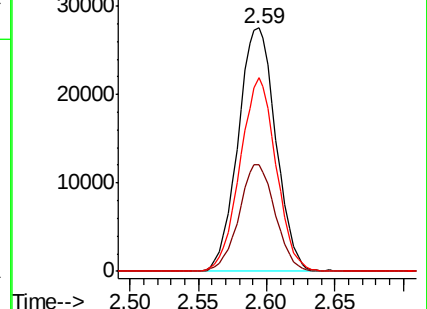
151 75.9 56.2 84.4



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: 6.077 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

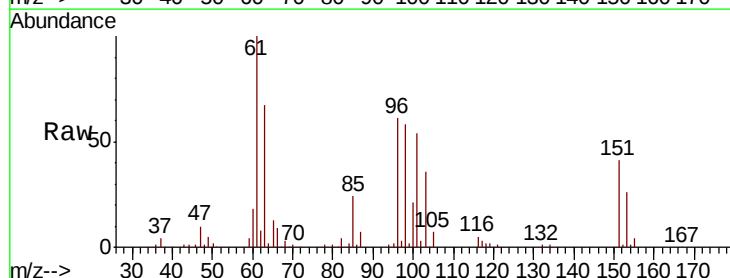
Tgt Ion: 96 Resp: 50885

Ion Ratio Lower Upper

96 100

61 164.2 123.8 230.0

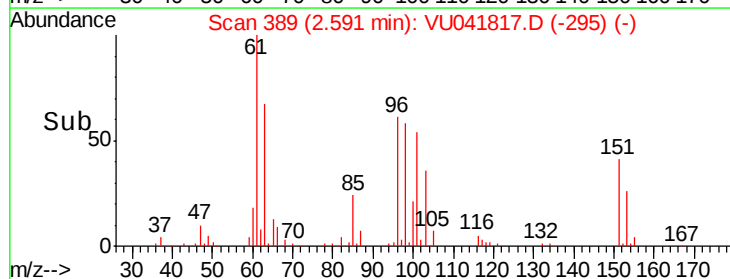
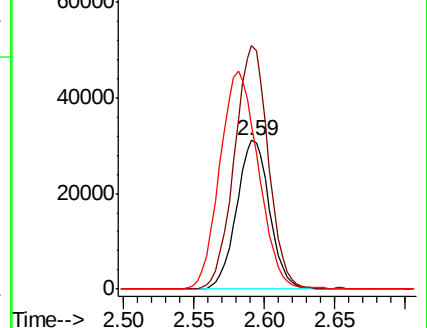
63 110.8 81.0 150.4

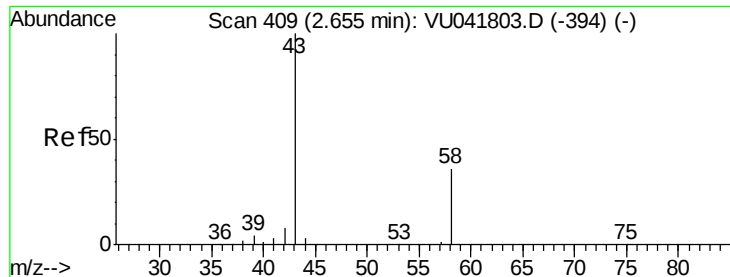


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.583 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.02 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

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ClientSampleId :

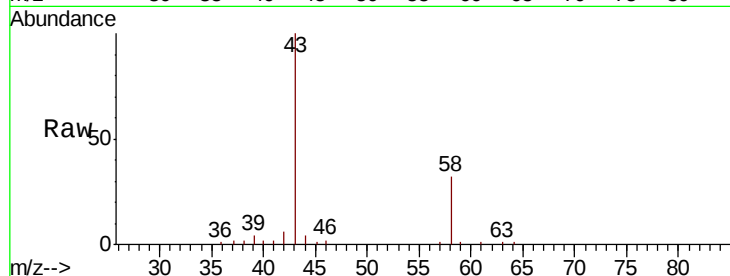
VSTD00530

Tot Ion: 43 Resp: 96246

Ion Ratio Lower Upper

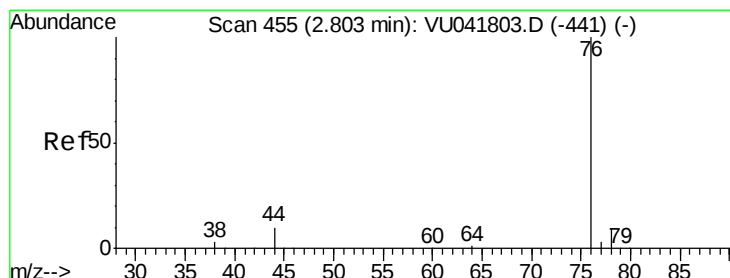
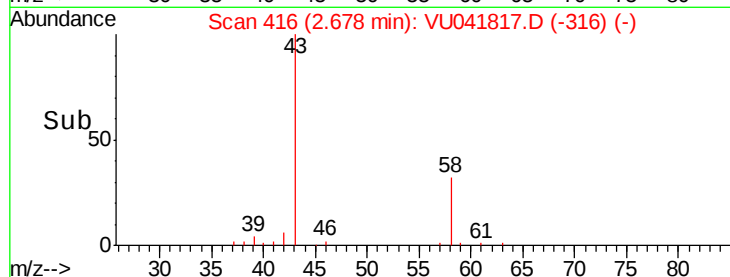
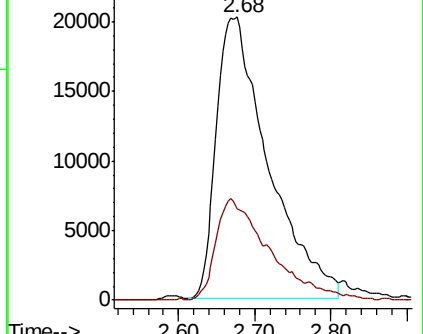
43 100

58 37.2 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041817.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU041817.D (-316) (-)



#14

Carbon disulfide

Concen: 5.291 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041817.D

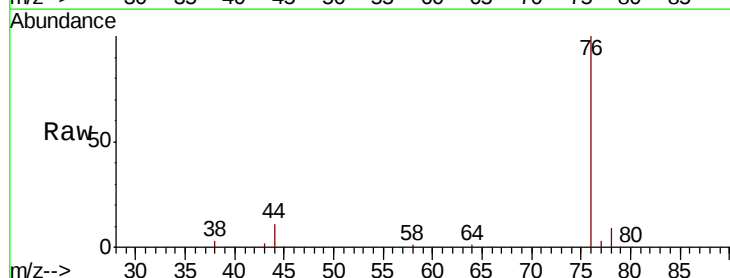
Acq: 24 Dec 2020 20:17

Tgt Ion: 76 Resp: 153110

Ion Ratio Lower Upper

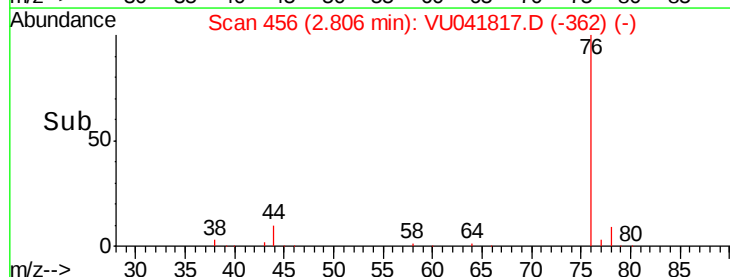
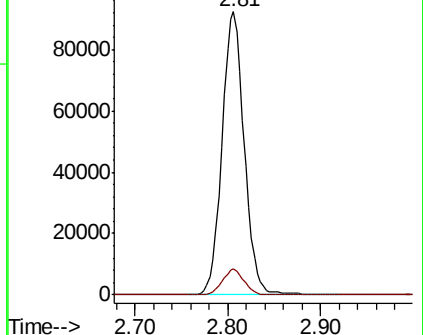
76 100

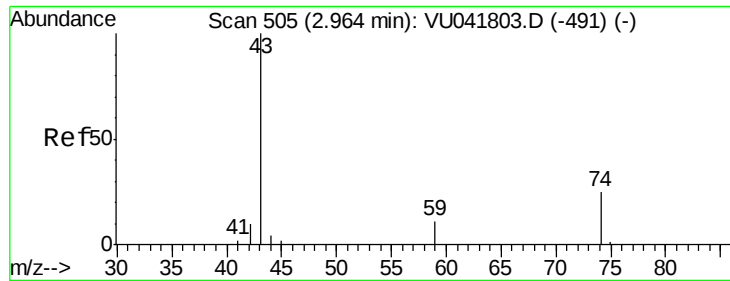
78 9.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041817.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU041817.D (-362) (-)

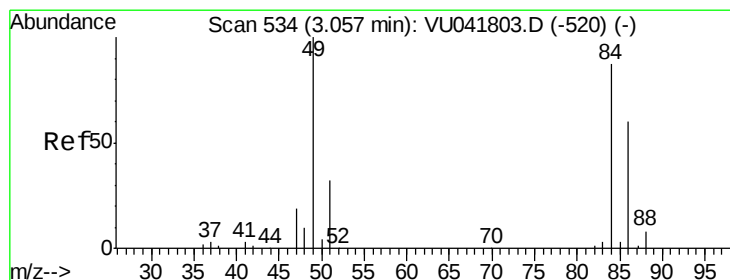
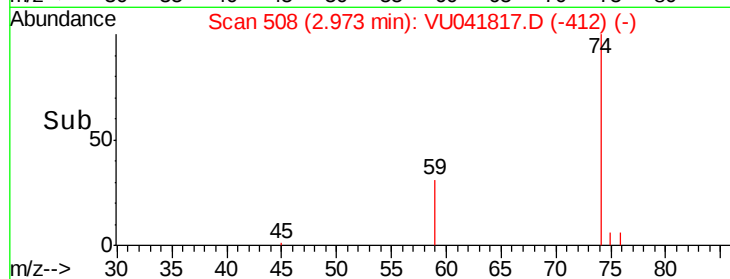
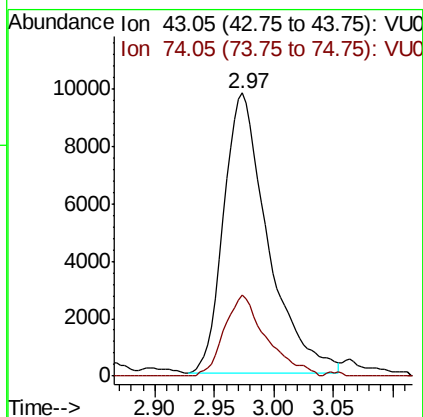
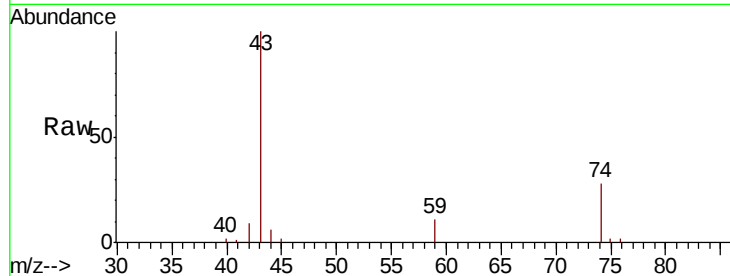




#15
Methvl Acetate
Concen: 5.472 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

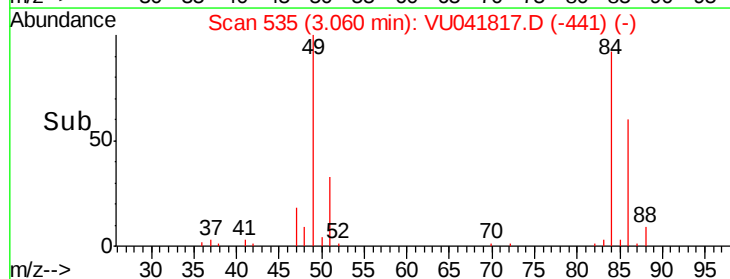
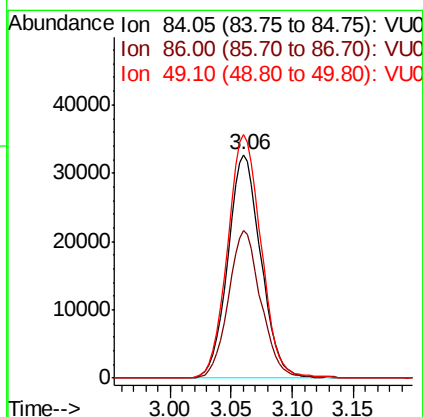
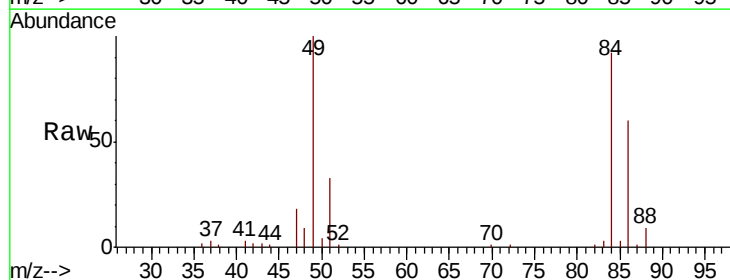
Instrument :
MSVOA_U
ClientSampled :
VSTD00530

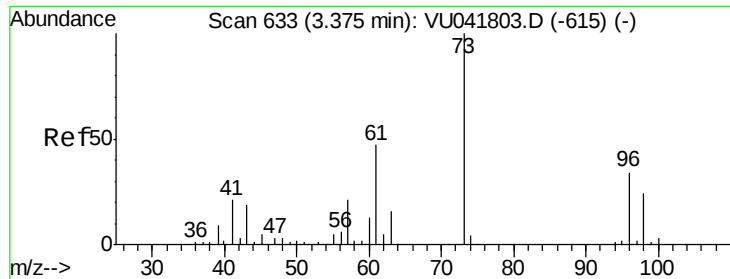
Tot Ion: 43 Resp: 25083
Ion Ratio Lower Upper
43 100
74 27.6 19.2 28.8



#16
Methylene chloride
Concen: 6.163 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

Tgt Ion: 84 Resp: 61634
Ion Ratio Lower Upper
84 100
86 65.8 45.1 83.7
49 108.8 83.1 154.3

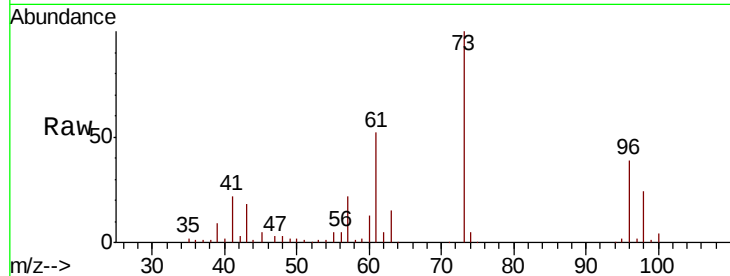




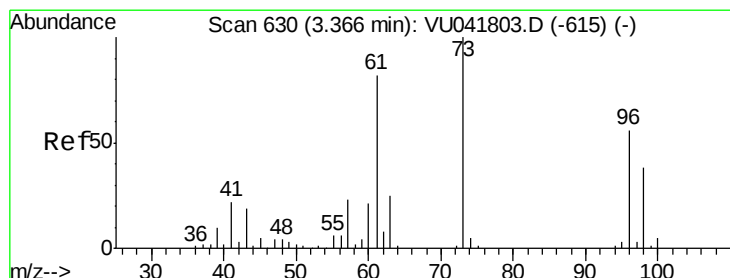
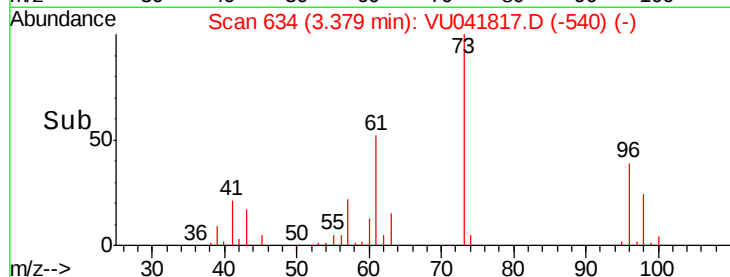
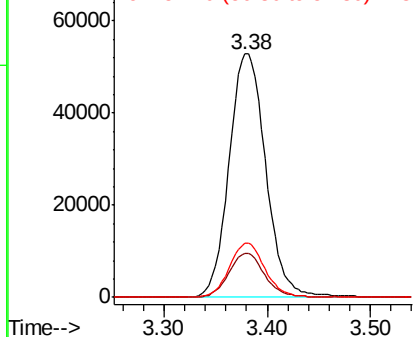
#17
Methvl tert-butvl Ether
Concen: 5.846 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 73 Resp: 130626
Ion Ratio Lower Upper
73 100
43 17.8 14.7 22.1
57 21.7 18.2 27.4

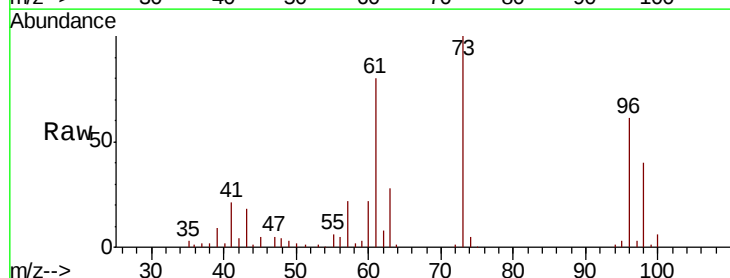


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

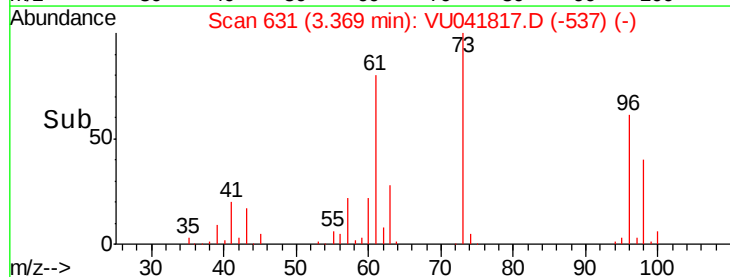
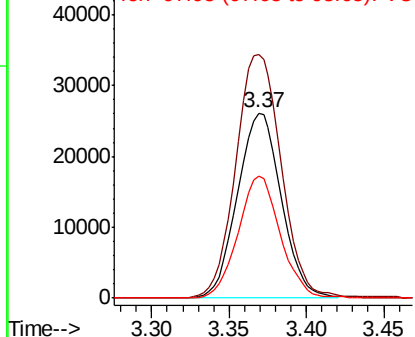


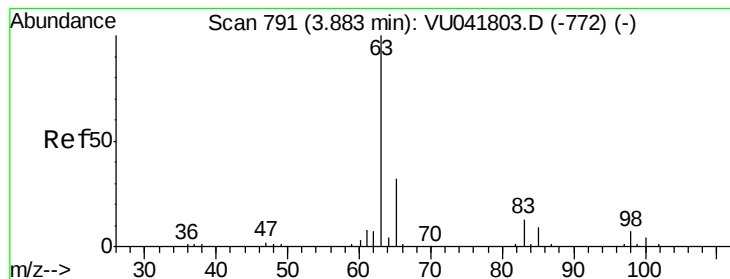
#18
trans-1,2-Dichloroethene
Concen: 5.943 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

Tgt Ion: 96 Resp: 51475
Ion Ratio Lower Upper
96 100
61 131.4 101.8 189.0
98 65.9 44.4 82.5



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: 5.746 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

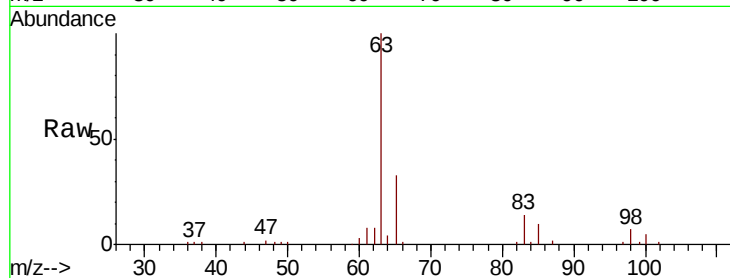
Tot Ion: 63 Resp: 93024

Ion Ratio Lower Upper

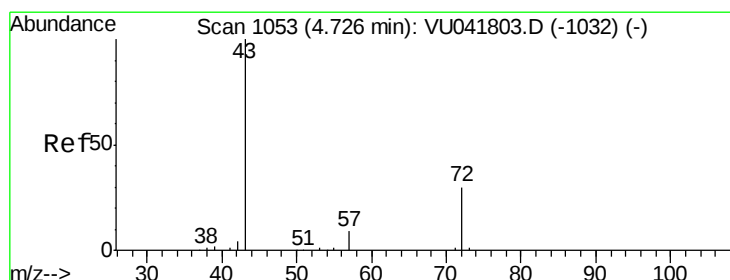
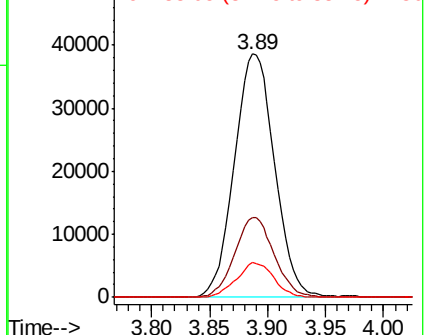
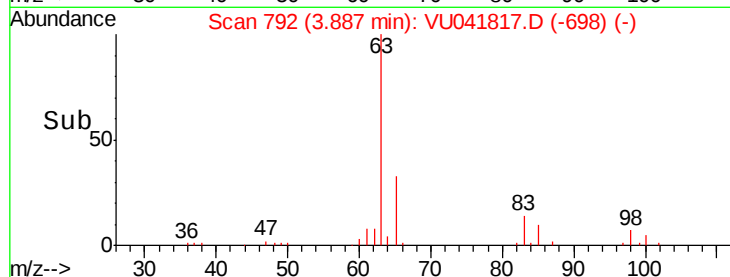
63 100

65 32.9 21.3 39.6

83 14.2 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041817.D (-698) (-)



#21

2-Butanone

Concen: 47.151 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.02 min

Lab File: VU041817.D

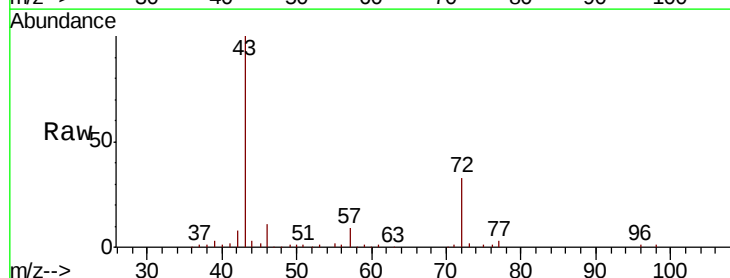
Acq: 24 Dec 2020 20:17

Tgt Ion: 43 Resp: 135425

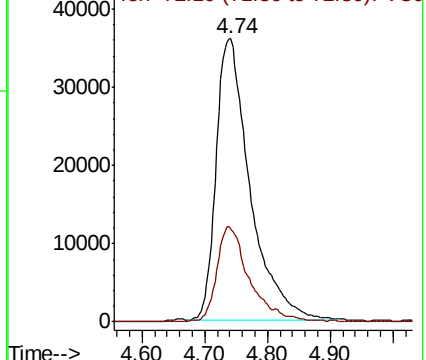
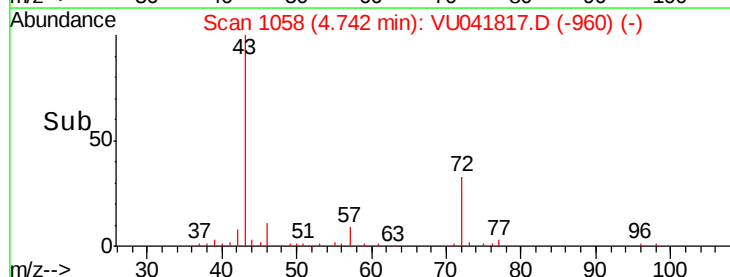
Ion Ratio Lower Upper

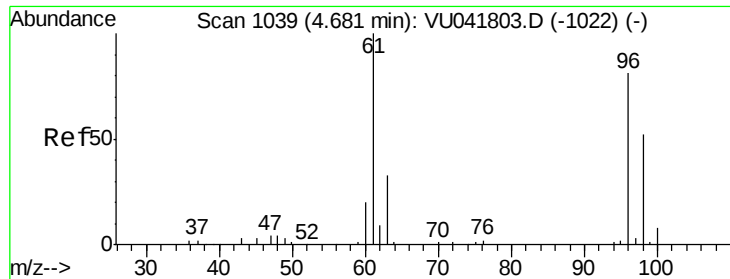
43 100

72 32.5 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU041817.D (-960) (-)



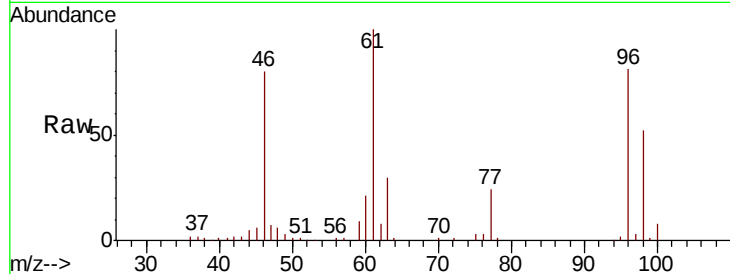


#22

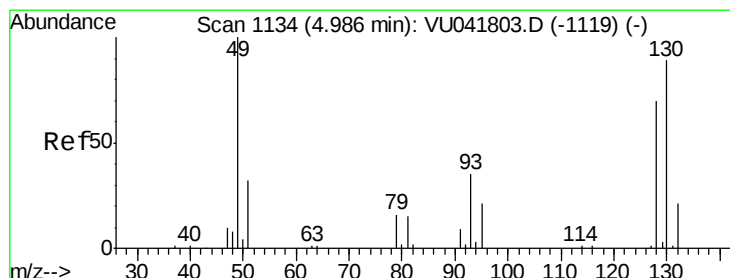
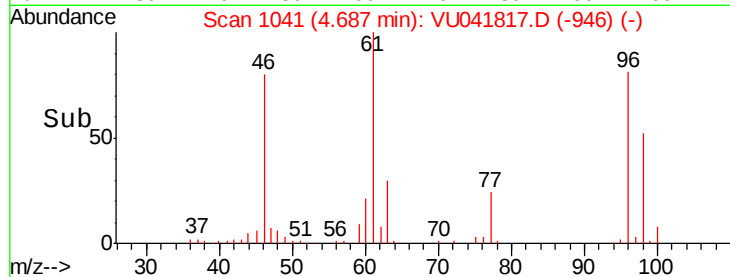
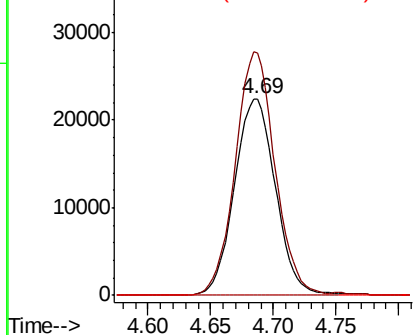
cis-1,2-Dichloroethene
 Concen: 5.328 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 96 Resp: 51010
 Ion Ratio Lower Upper
 96 100
 61 123.6 88.8 165.0
 68 0.0 0.0 0.0



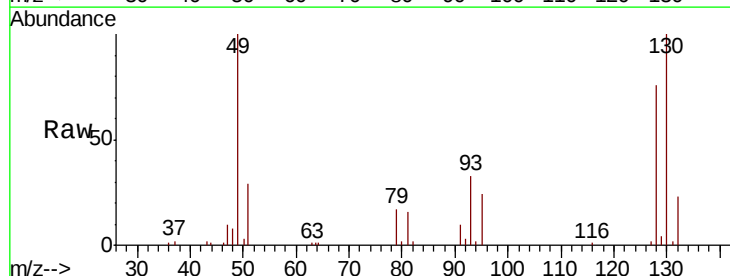
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



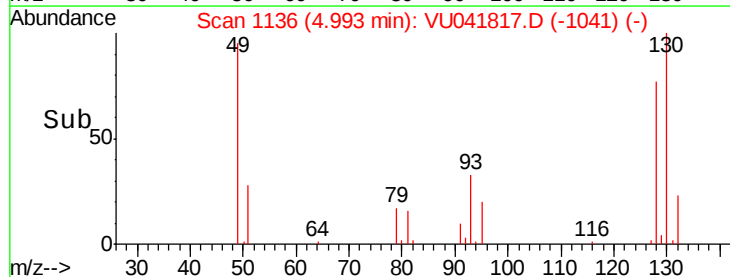
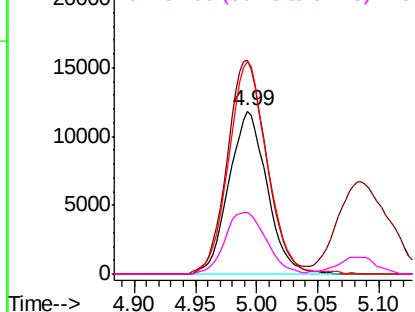
#23

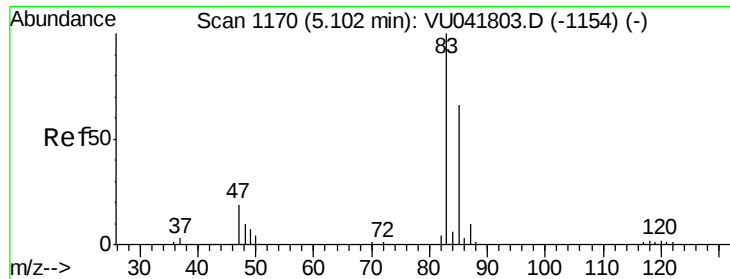
Bromochloromethane
 Concen: 5.836 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Tgt Ion: 128 Resp: 25665
 Ion Ratio Lower Upper
 128 100
 49 130.9 109.3 203.1
 130 130.3 84.8 157.6
 51 38.1 40.6 61.0#



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

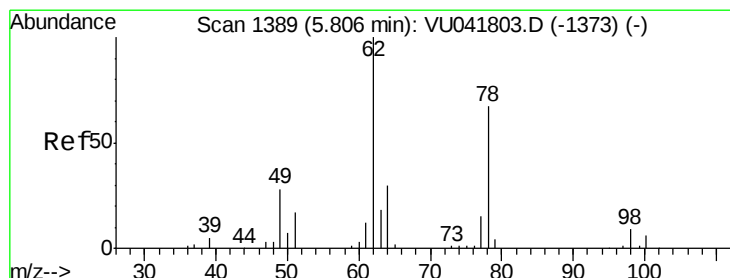
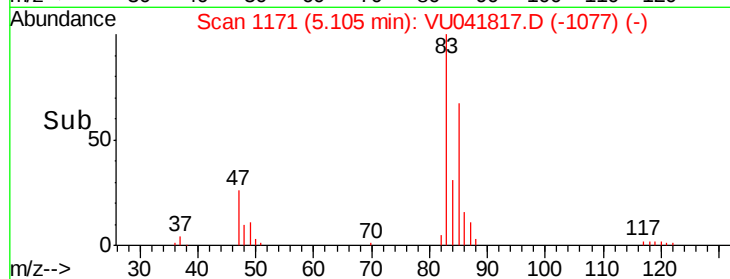
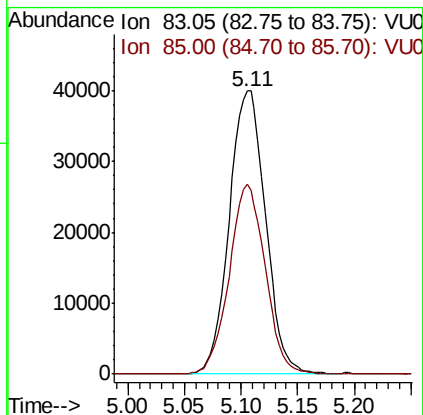
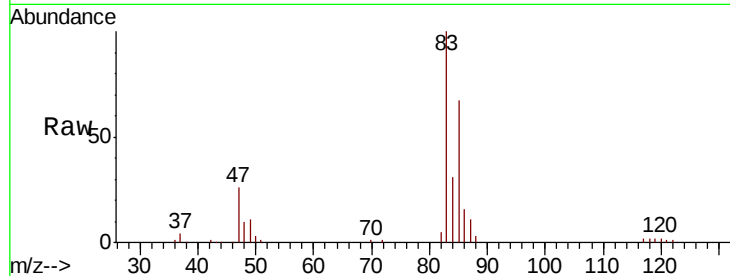




#25
Chloroform
Concen: 5.482 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

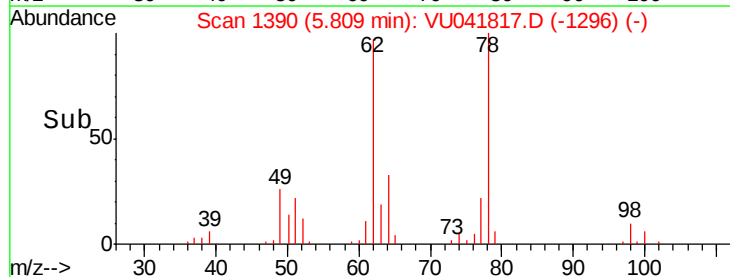
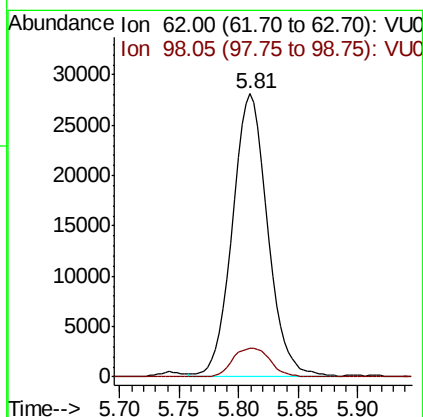
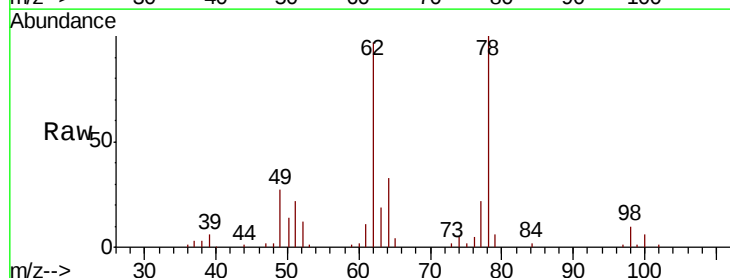
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

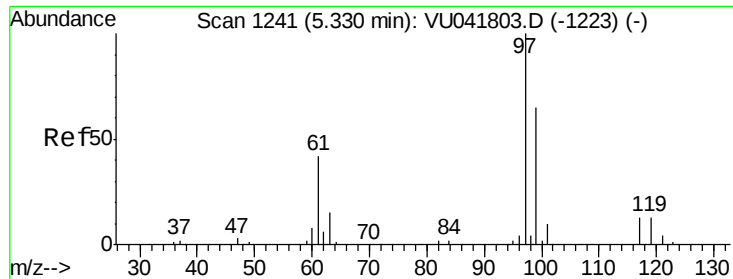
Tot Ion: 83 Resp: 89372
Ion Ratio Lower Upper
83 100
85 67.2 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.174 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

Tgt Ion: 62 Resp: 57118
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.2

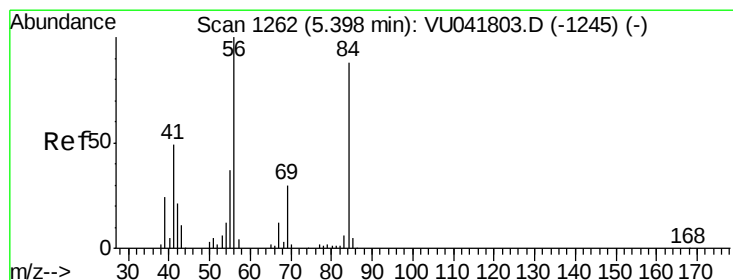
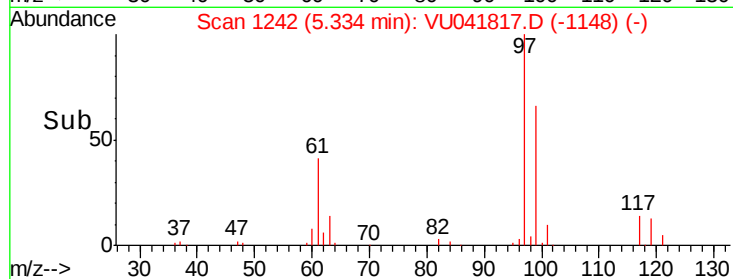
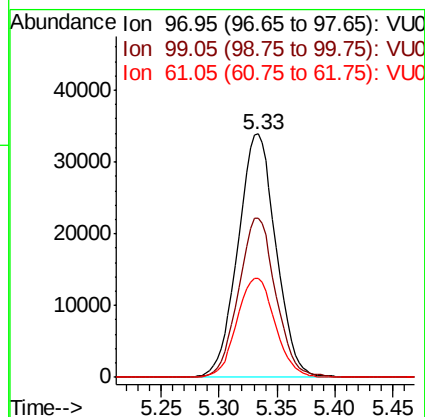
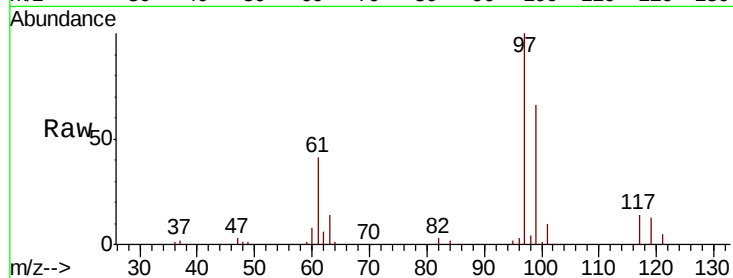




#29
 1,1,1-Trichloroethane
 Concen: 5.657 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

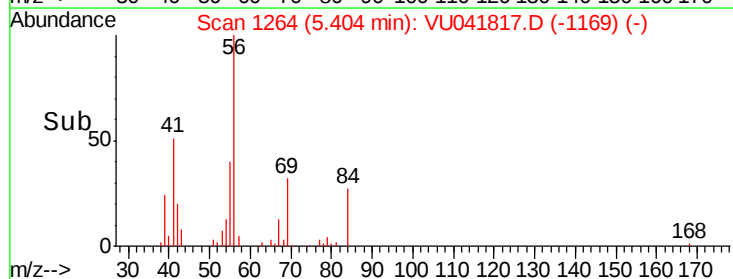
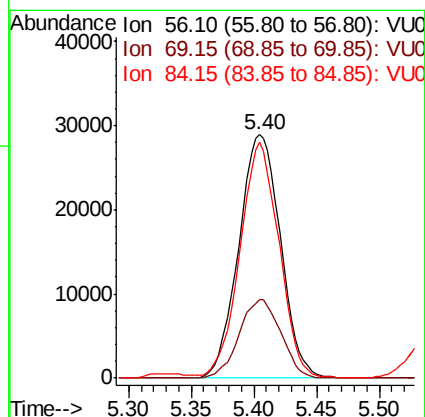
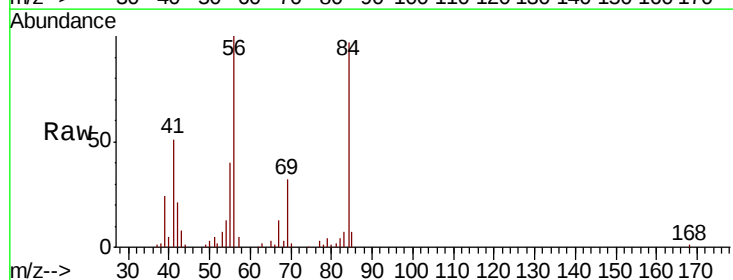
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

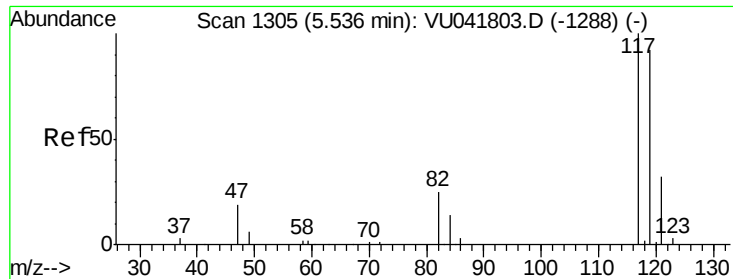
Tot Ion: 97 Resp: 77347
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.3 76.9
 61 41.0 36.5 54.7



#30
 Cyclohexane
 Concen: 4.357 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Tgt Ion: 56 Resp: 66772
 Ion Ratio Lower Upper
 56 100
 69 32.1 23.8 35.8
 84 91.1 66.2 99.4

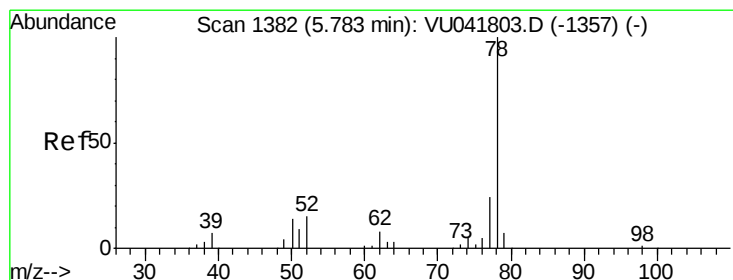
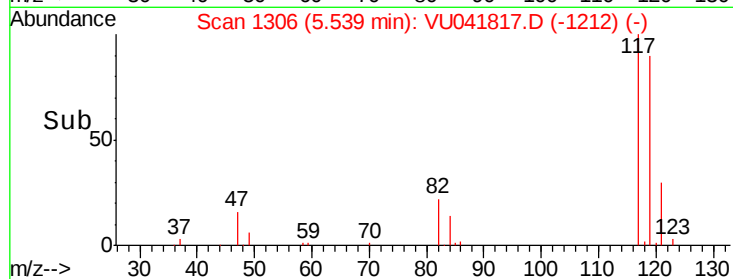
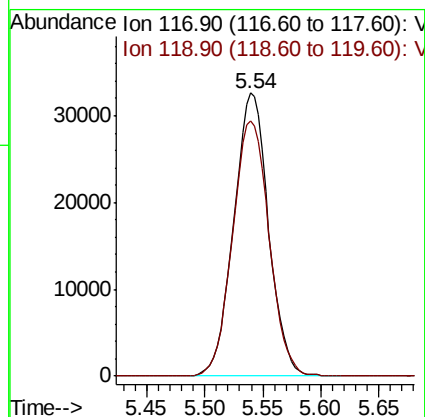
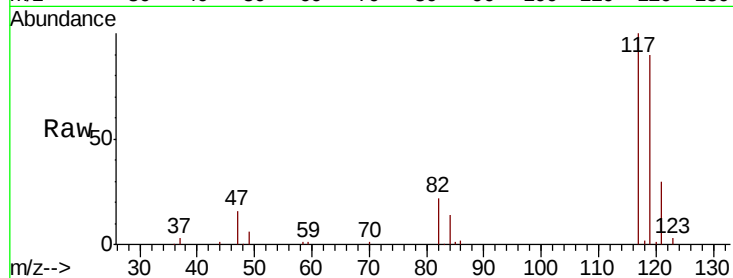




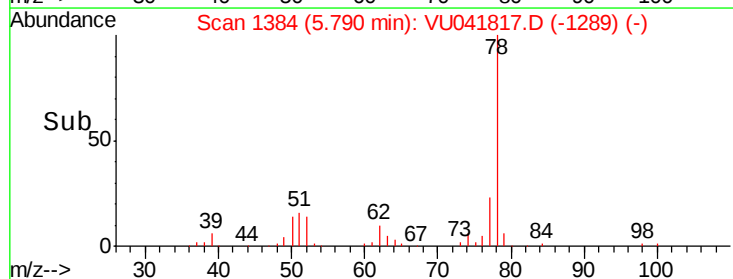
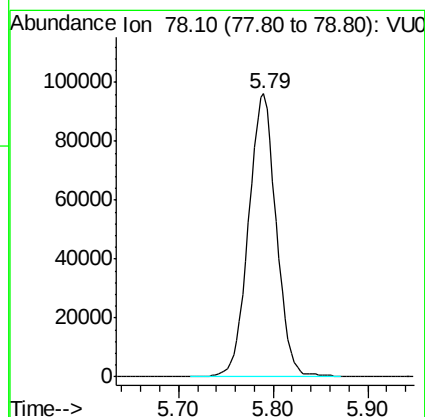
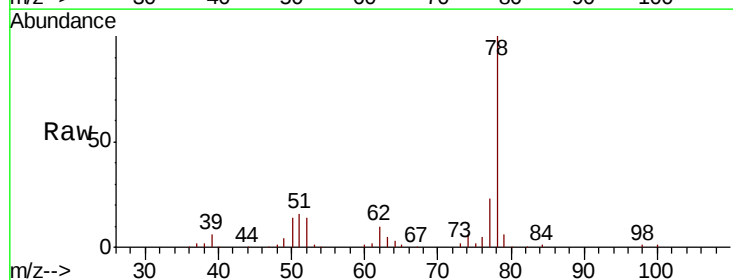
#31
Carbon tetrachloride
Concen: 5.730 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

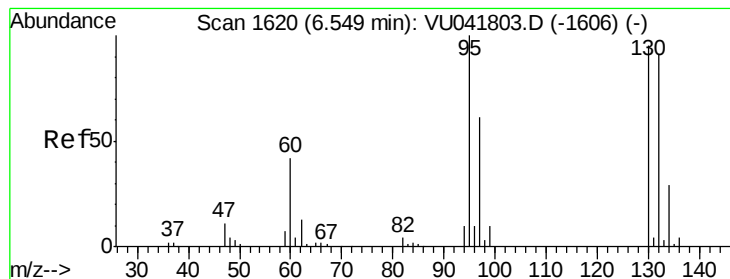
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:117 Resp: 67743
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.2



#33
Benzene
Concen: 5.137 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17
Tgt Ion: 78 Resp: 195624





#34

Trichloroethene

Concen: 5.273 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tot Ion: 95 Resp: 50453

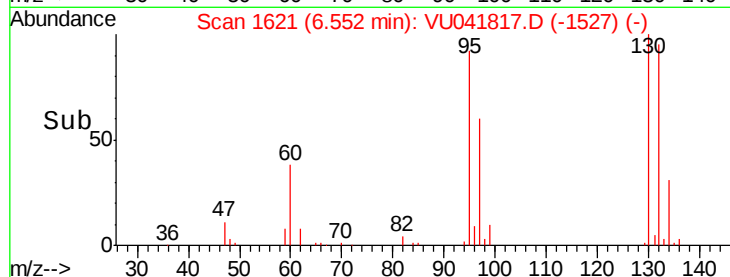
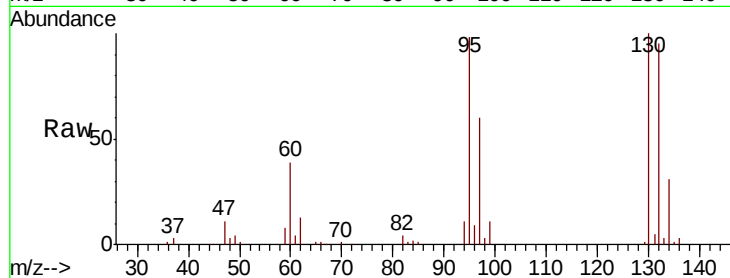
Ion Ratio Lower Upper

95 100

97 62.0 43.9 81.5

132 97.3 63.1 117.3

130 102.4 67.4 125.2

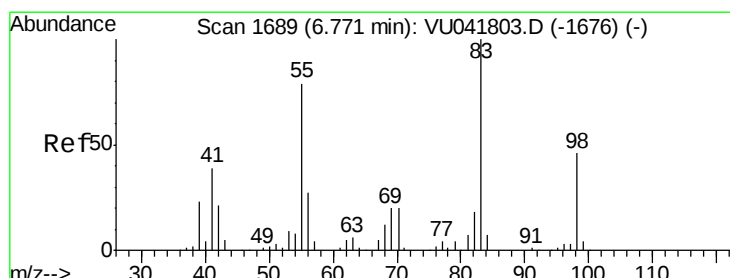
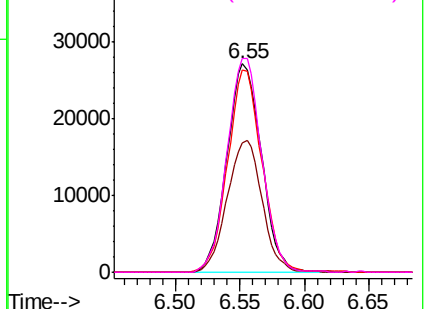


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.594 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

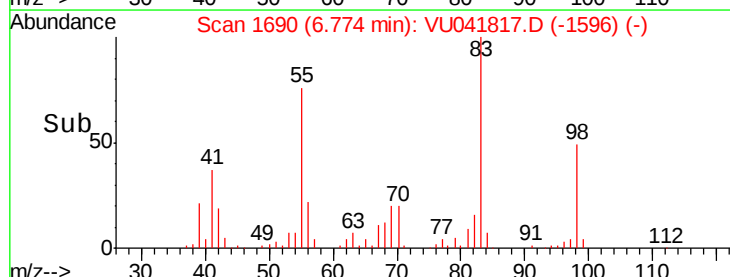
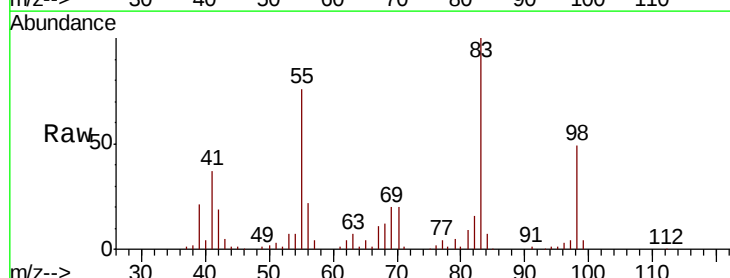
Tgt Ion: 83 Resp: 71058

Ion Ratio Lower Upper

83 100

55 76.6 61.2 91.8

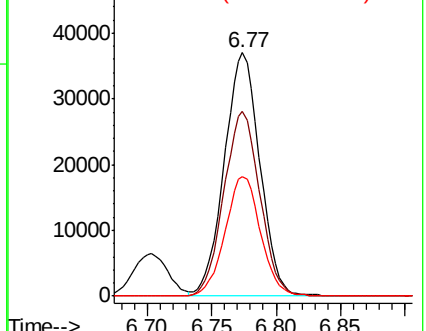
98 49.0 36.6 54.8

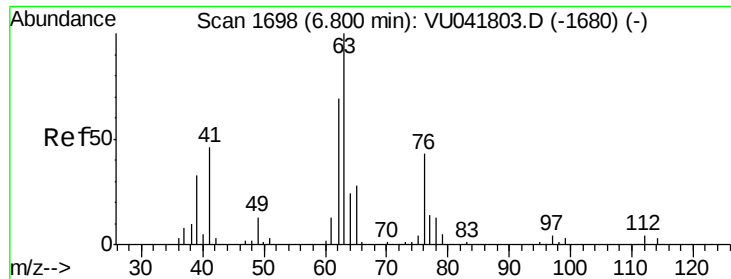


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

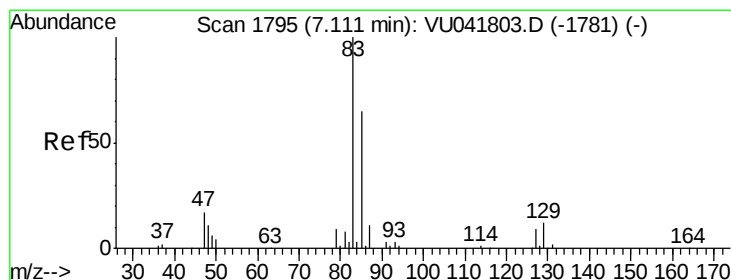
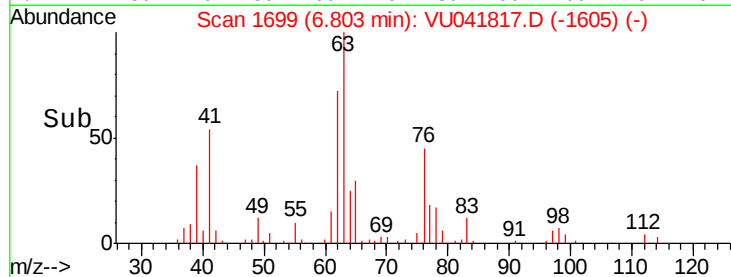
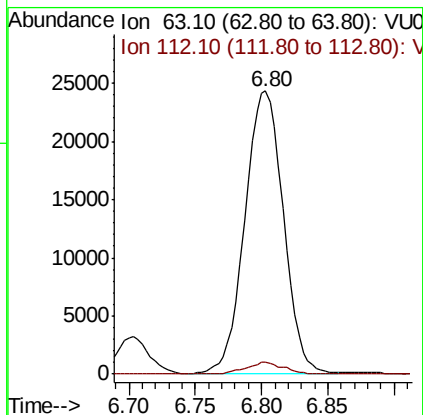
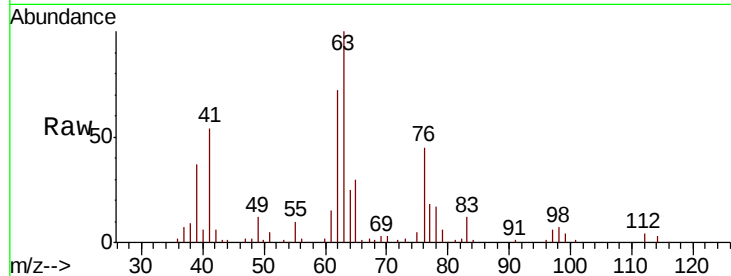




#37
 1,2-Dichloropropane
 Concen: 5.079 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

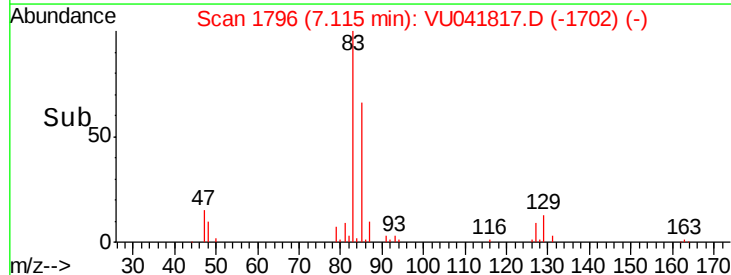
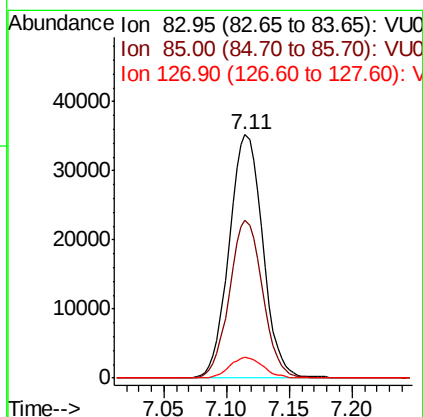
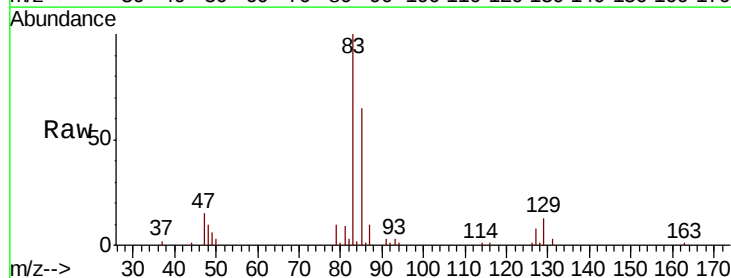
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00530

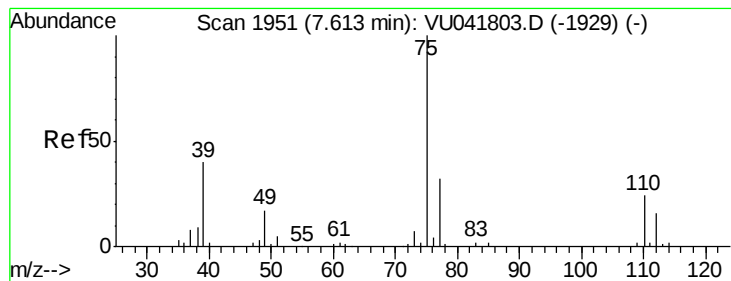
Tot Ion: 63 Resp: 49467
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.428 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Tgt Ion: 83 Resp: 65776
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.5 84.5
 127 8.4 7.0 10.6



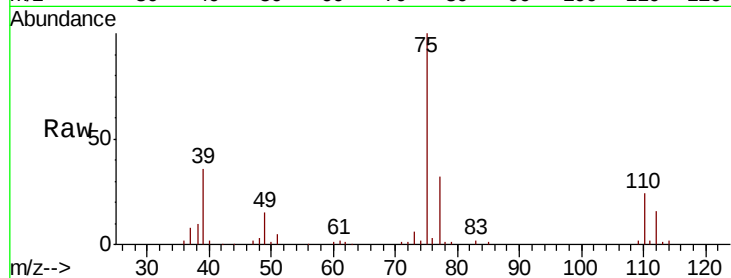


#39

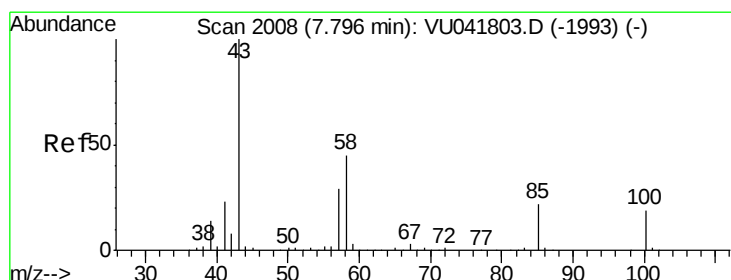
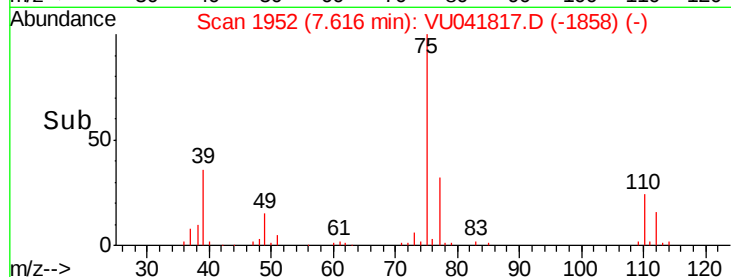
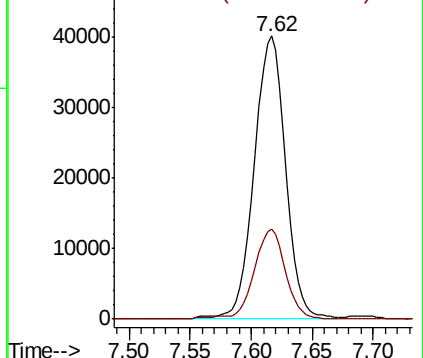
cis-1,3-Dichloropropene
 Concen: 4.948 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 75 Resp: 71414
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



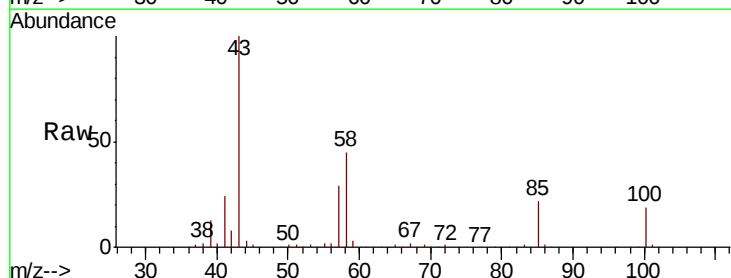
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



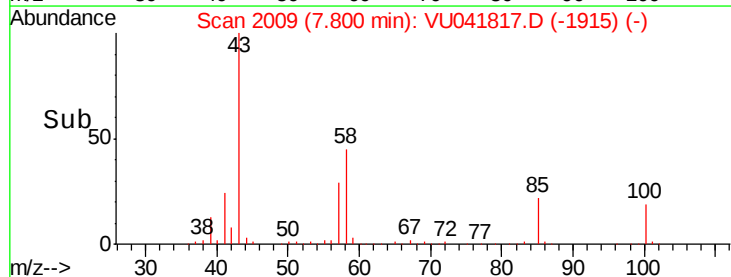
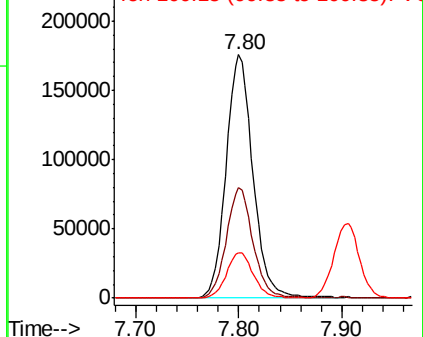
#40

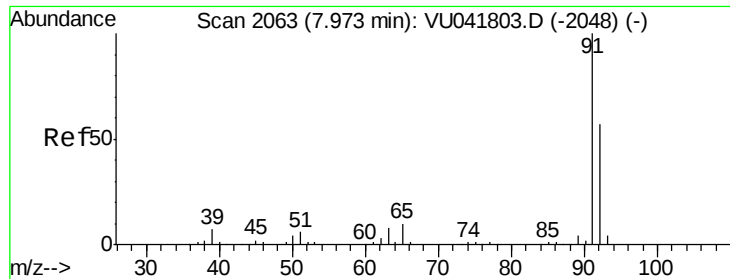
4-Methyl-2-pentanone
 Concen: 46.092 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Tgt Ion: 43 Resp: 319451
 Ion Ratio Lower Upper
 43 100
 58 45.0 34.2 51.2
 100 18.6 12.3 18.5#



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





#42

Toluene

Concen: 5.342 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

MSVOA_U

ClientSampleId :

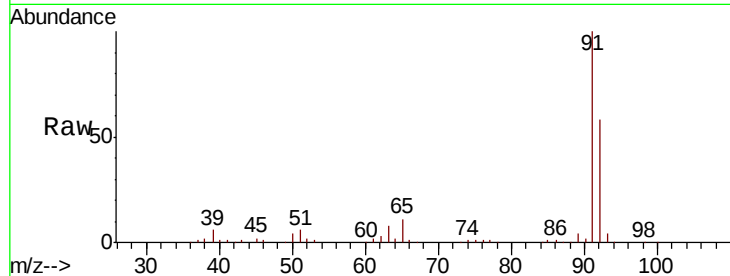
VSTD00530

Tot Ion: 91 Resp: 210032

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

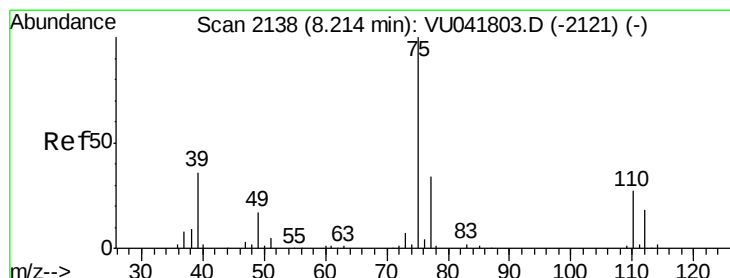
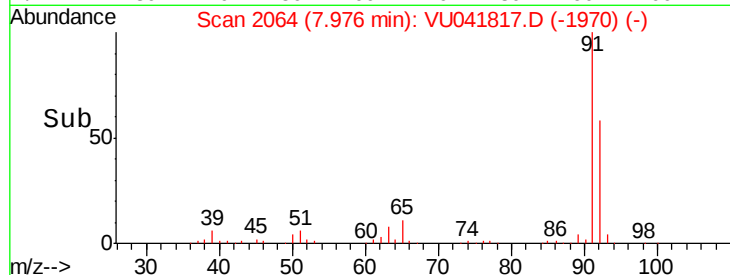
7.98

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.060 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041817.D

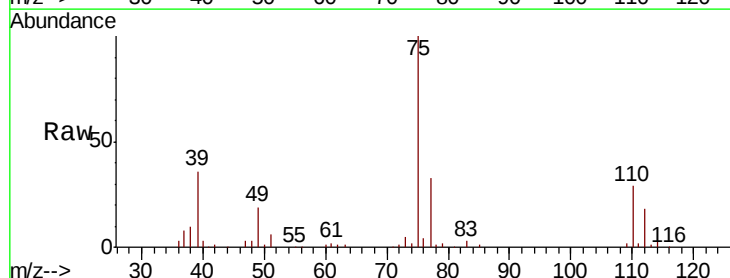
Acq: 24 Dec 2020 20:17

Tgt Ion: 75 Resp: 65308

Ion Ratio Lower Upper

75 100

77 32.9 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

40000

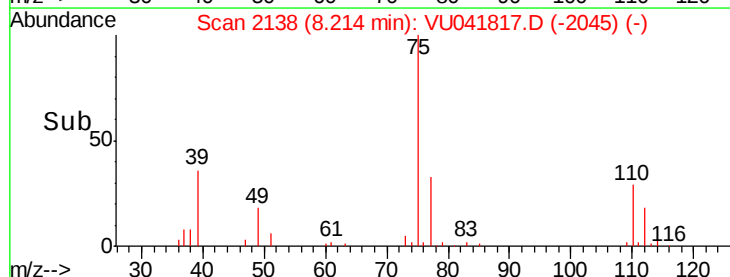
30000

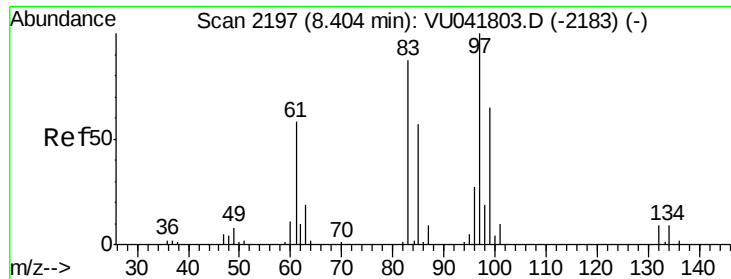
20000

10000

0

Time-->

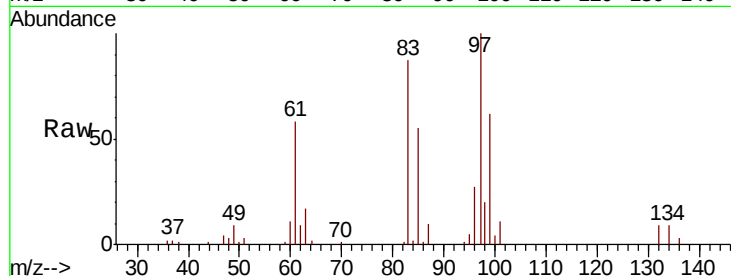




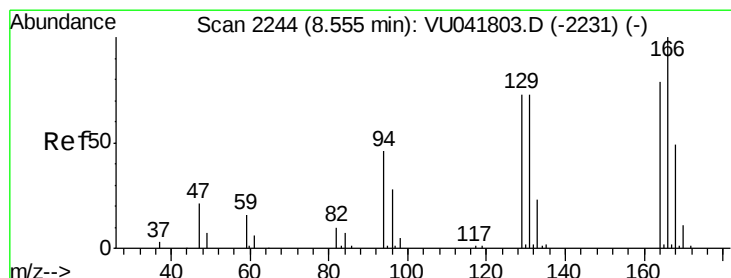
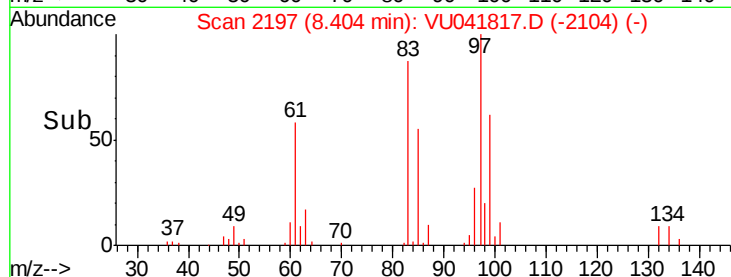
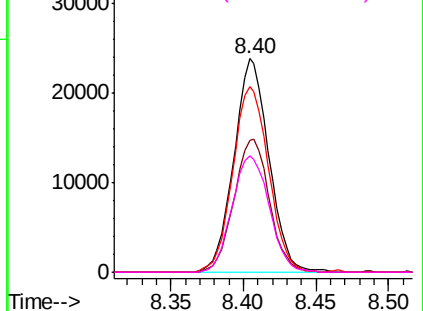
#45
 1,1,2-Trichloroethane
 Concen: 5.570 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion:	97	Resp:	40120
Ion	Ratio	Lower	Upper
97	100		
99	62.0	42.1	78.3
83	86.9	62.6	116.2
85	54.6	39.1	72.7

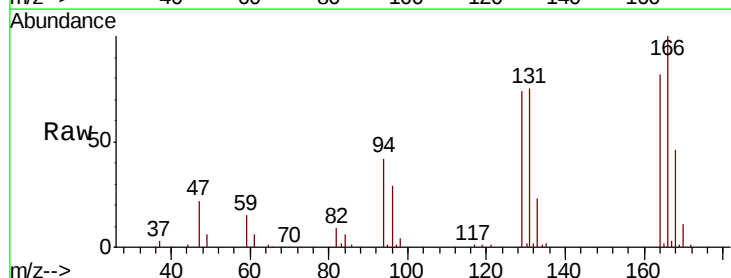


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

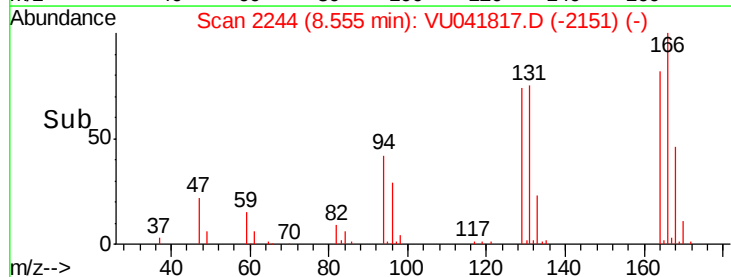
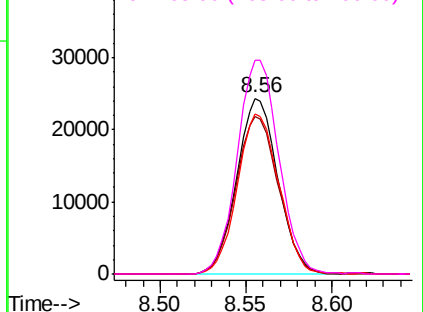


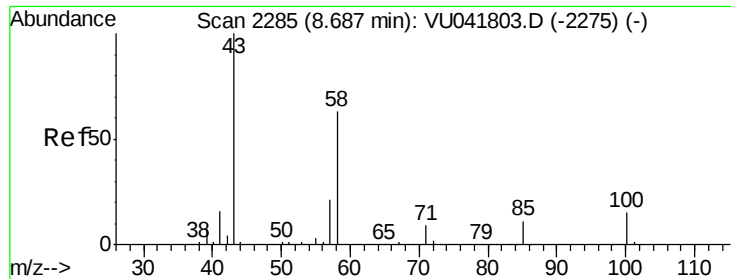
#47
 Tetrachloroethene
 Concen: 6.075 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Tgt Ion:	164	Resp:	40692
Ion	Ratio	Lower	Upper
164	100		
129	90.0	72.2	134.0
131	91.1	66.9	124.3
166	121.6	89.6	166.4



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

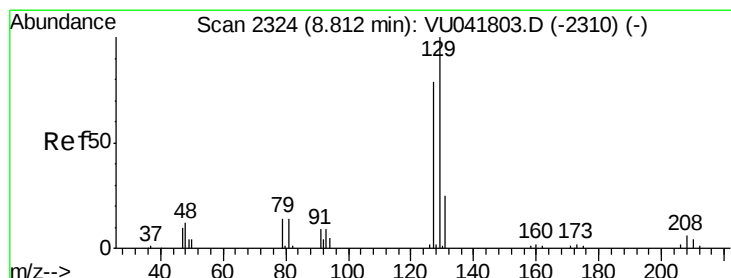
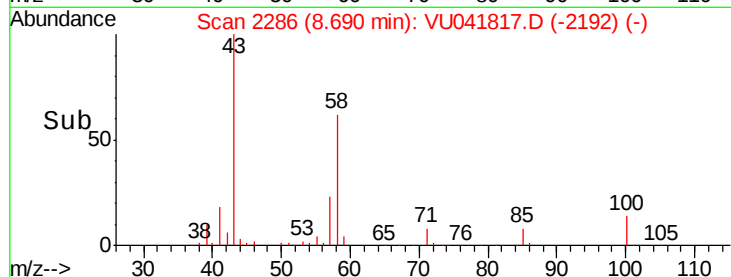
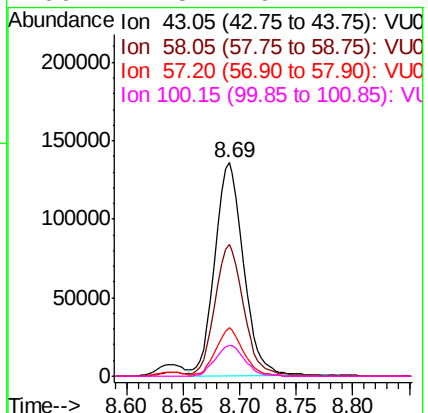
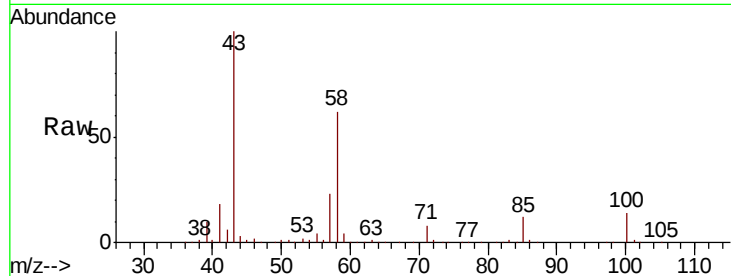




#48
2-Hexanone
Concen: 47.609 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

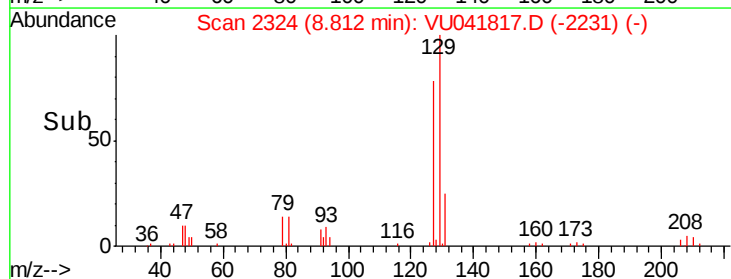
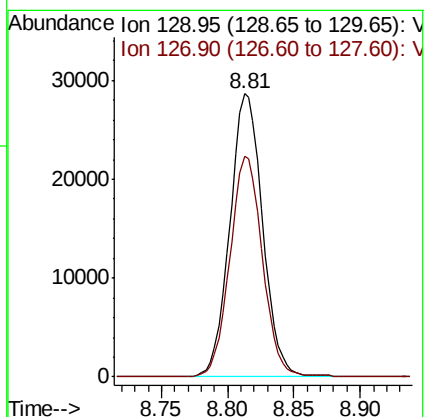
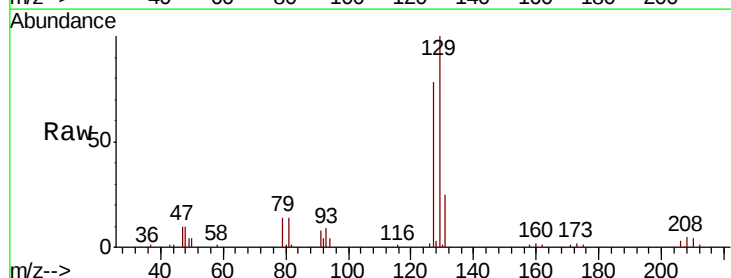
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

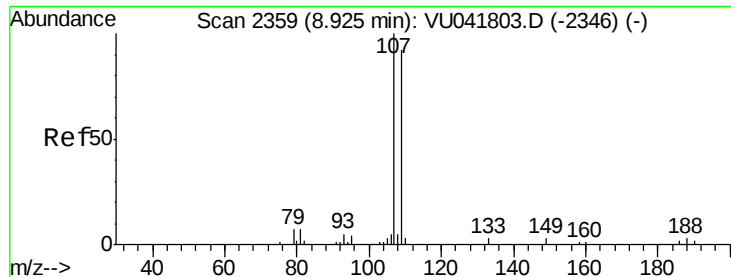
Tot Ion: 43 Resp: 240142
Ion Ratio Lower Upper
43 100
58 61.6 47.9 71.9
57 21.6 16.5 24.7
100 14.8 9.4 14.2#



#49
Dibromochloromethane
Concen: 5.944 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

Tgt Ion: 129 Resp: 49178
Ion Ratio Lower Upper
129 100
127 78.0 54.7 101.7

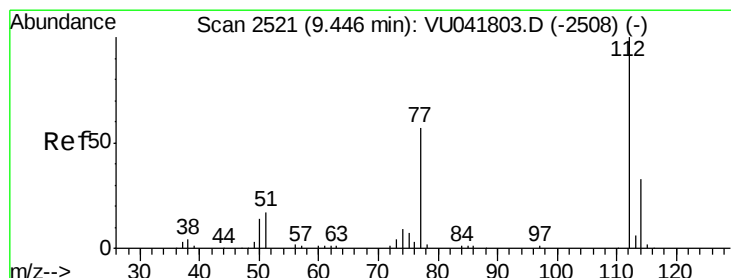
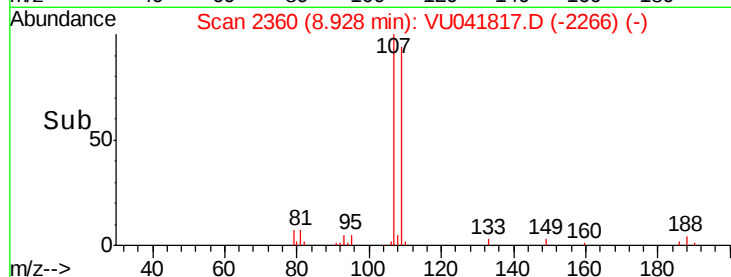
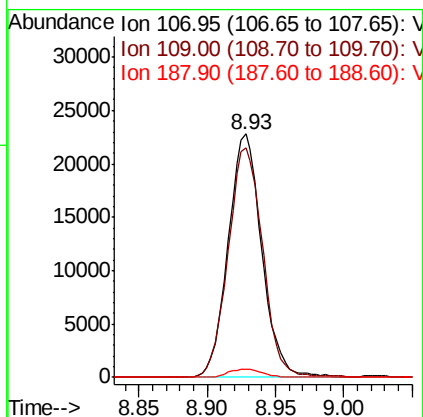
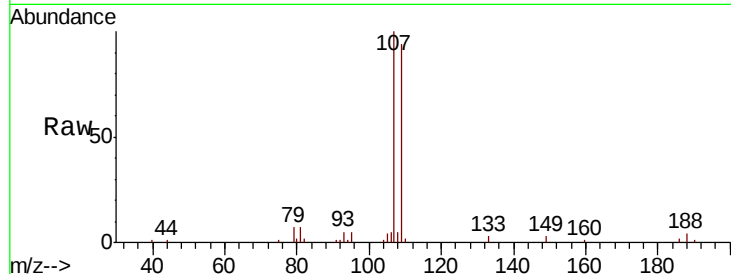




#50
 1,2-Dibromoethane
 Concen: 5.473 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

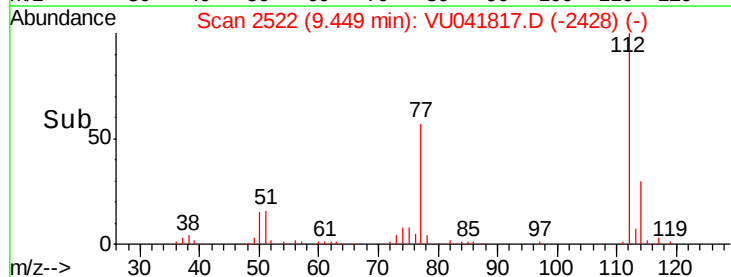
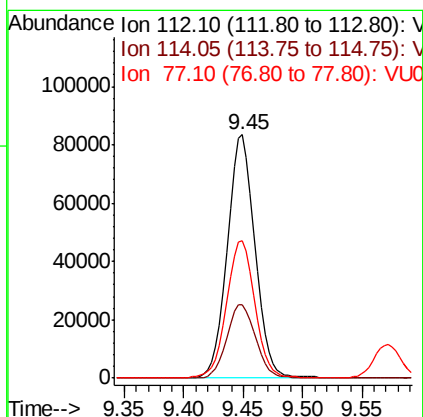
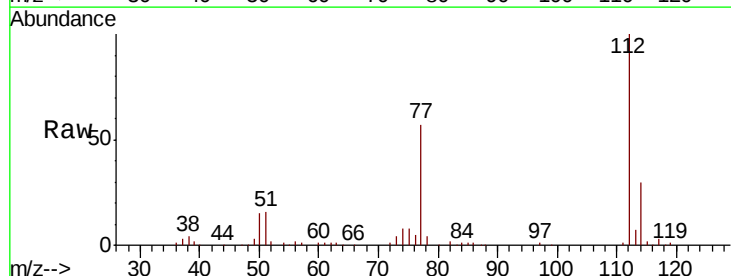
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

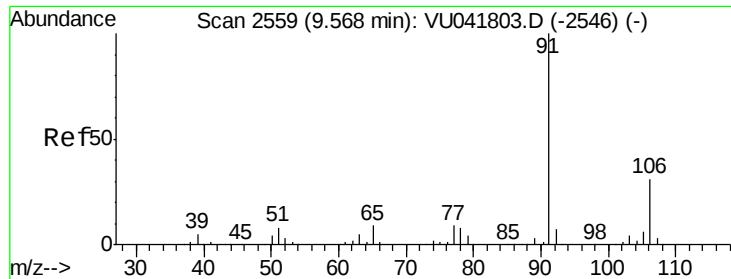
Tot Ion:107 Resp: 38998
 Ion Ratio Lower Upper
 107 100
 109 94.4 65.6 121.8
 188 3.6 2.6 4.0



#51
 Chlorobenzene
 Concen: 5.514 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Tgt Ion:112 Resp: 134750
 Ion Ratio Lower Upper
 112 100
 114 30.3 22.7 42.3
 77 56.5 49.1 73.7





#52

Ethylbenzene

Concen: 5.121 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

MSVOA_U

ClientSampleId :

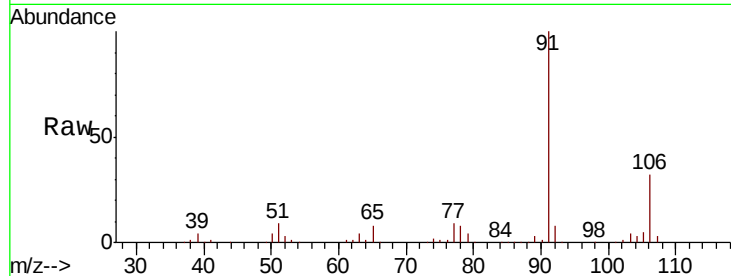
VSTD00530

Tot Ion: 91 Resp: 214386

Ion Ratio Lower Upper

91 100

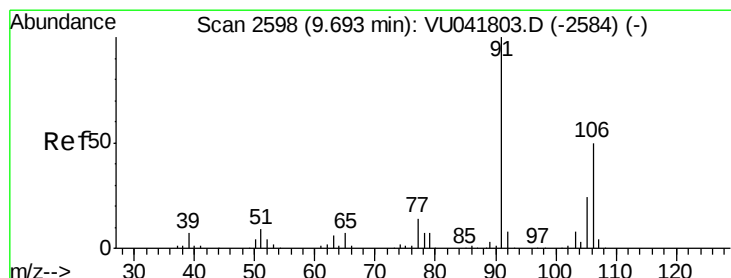
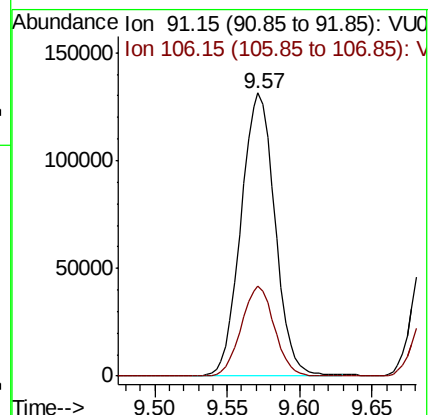
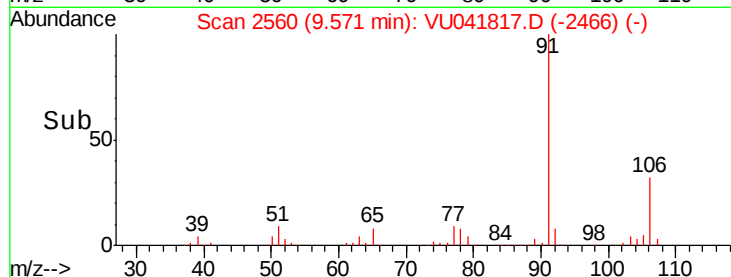
106 31.8 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041817.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU041817.D (-2546) (-)

9.57



#53

m,p-Xylene

Concen: 5.352 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041817.D

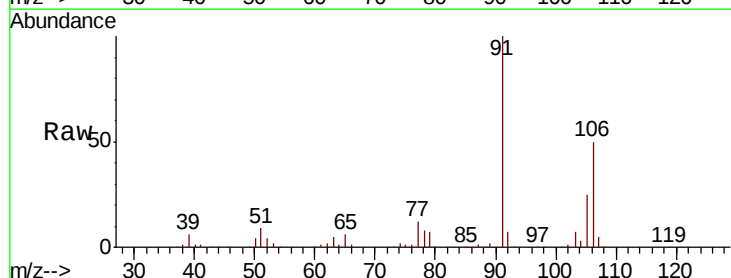
Acq: 24 Dec 2020 20:17

Tgt Ion: 106 Resp: 83560

Ion Ratio Lower Upper

106 100

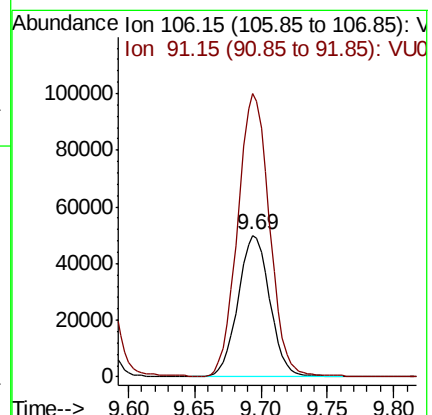
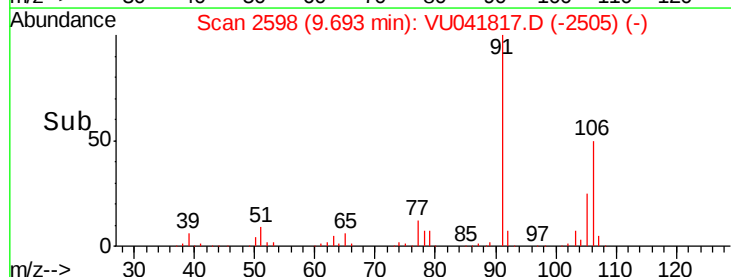
91 200.0 140.4 260.8

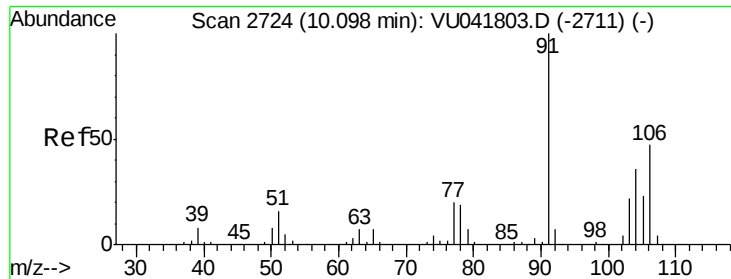


Abundance Ion 106.15 (105.85 to 106.85): VU041817.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU041817.D (-2584) (-)

9.69

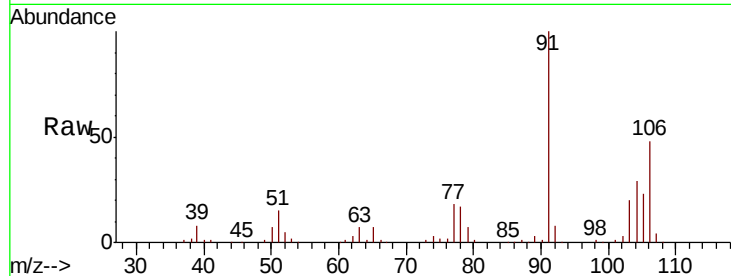




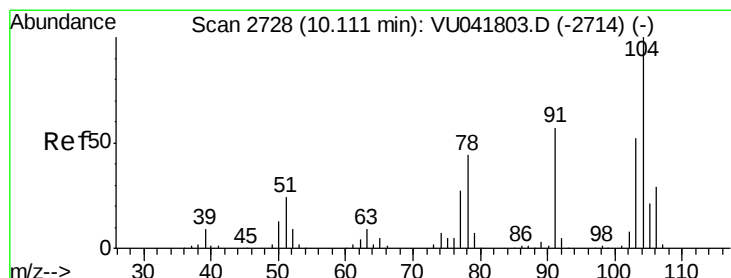
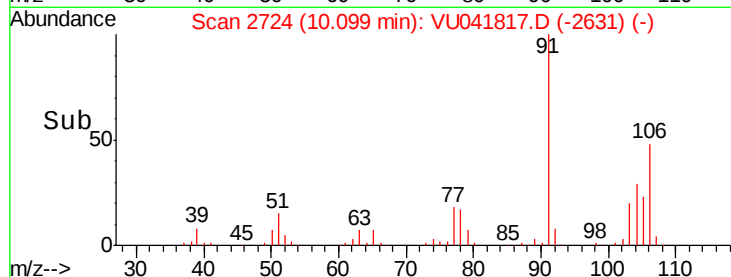
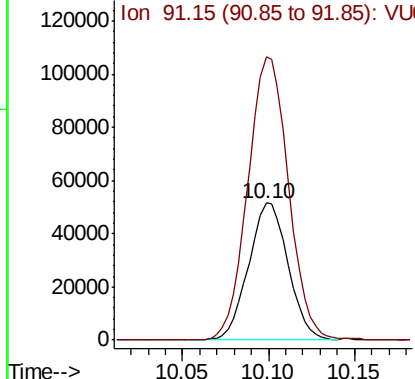
#54
o-Xylene
Concen: 5.401 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:106 Resp: 82592
Ion Ratio Lower Upper
106 100
91 206.3 151.3 281.1

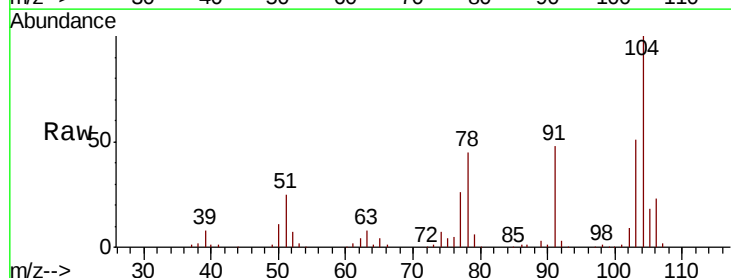


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

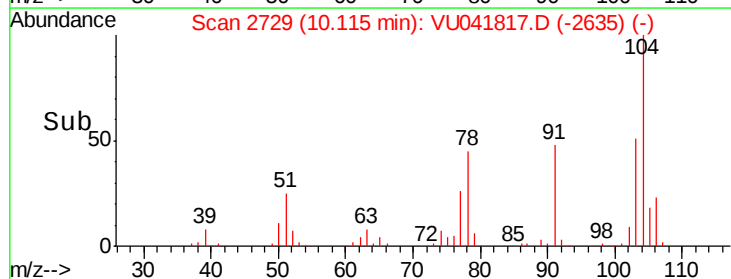
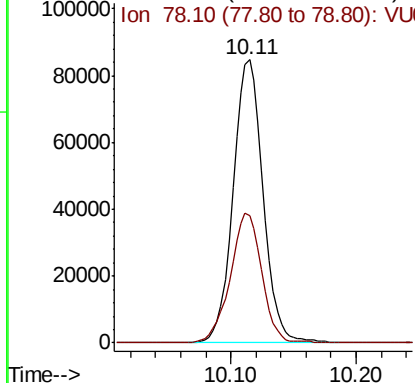


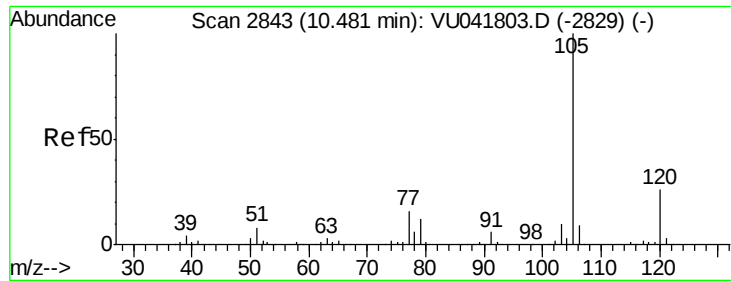
#55
Styrene
Concen: 5.313 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041817.D
Acq: 24 Dec 2020 20:17

Tgt Ion:104 Resp: 140356
Ion Ratio Lower Upper
104 100
78 45.1 31.1 57.9



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





#56

Isopropylbenzene

Concen: 5.328 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

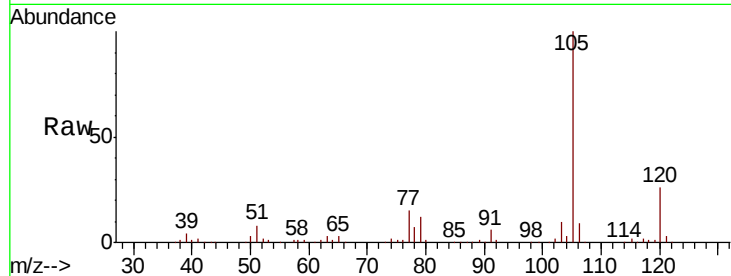
Tot Ion:105 Resp: 216873

Ion Ratio Lower Upper

105 100

120 26.5 20.5 30.7

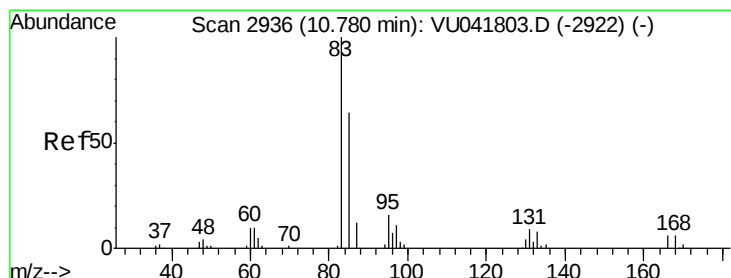
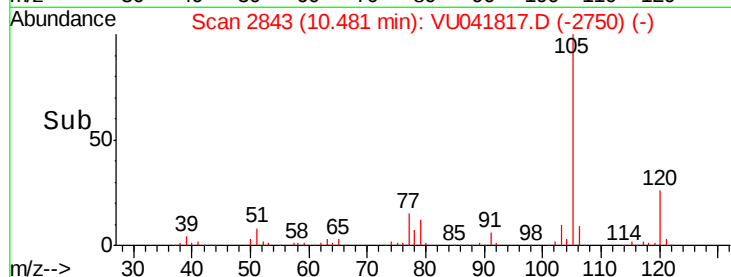
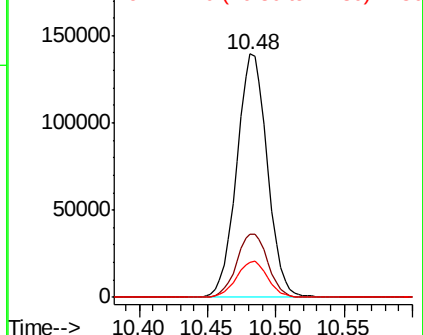
77 15.2 12.7 19.1



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: 5.128 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

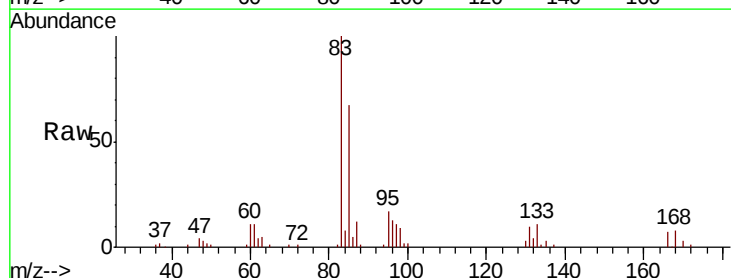
Tgt Ion: 83 Resp: 51399

Ion Ratio Lower Upper

83 100

85 67.0 46.1 85.7

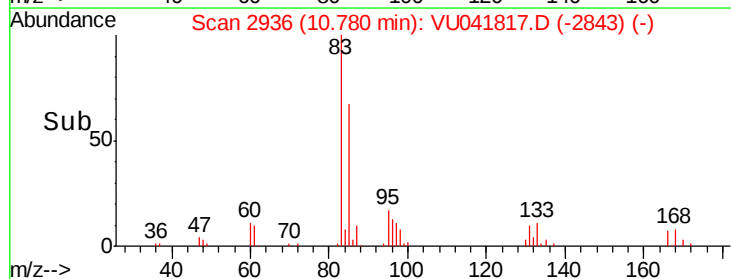
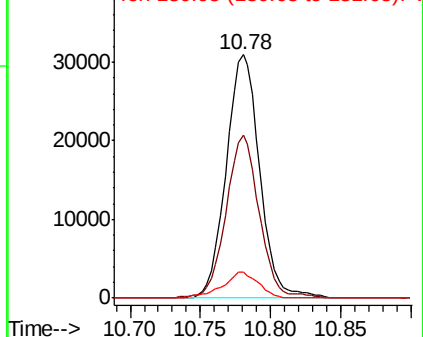
131 10.5 7.8 11.6

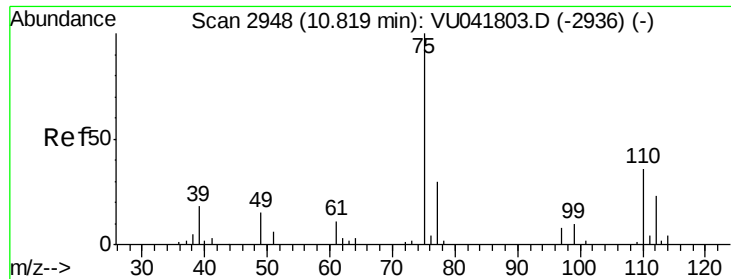


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.163 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

MSVOA_U

ClientSampleId :

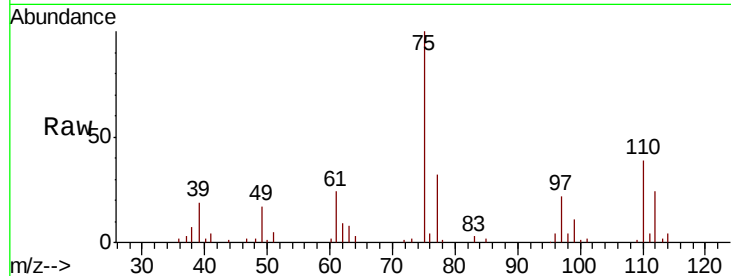
VSTD00530

Tot Ion: 75 Resp: 37770

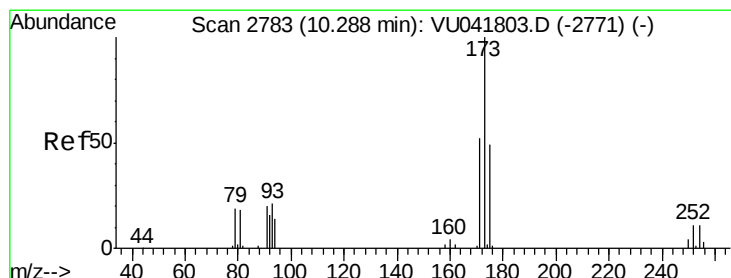
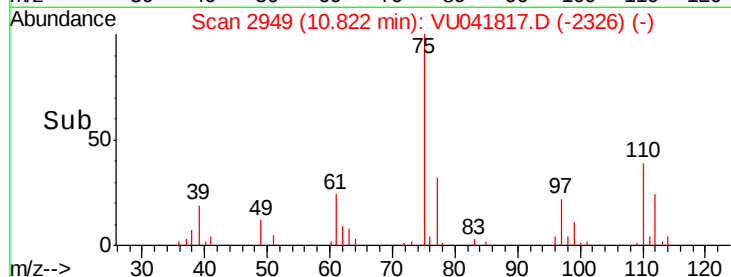
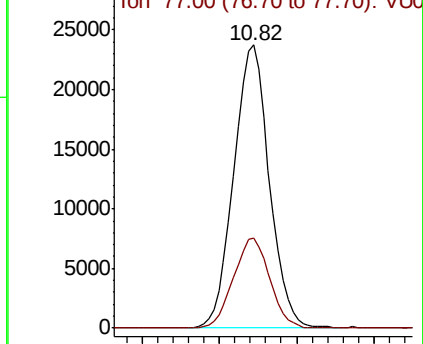
Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU041803.D (-2936) (-)



#61

Bromoform

Concen: 6.396 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

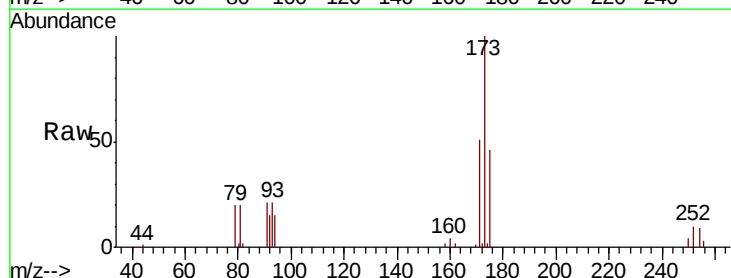
Tgt Ion: 173 Resp: 30226

Ion Ratio Lower Upper

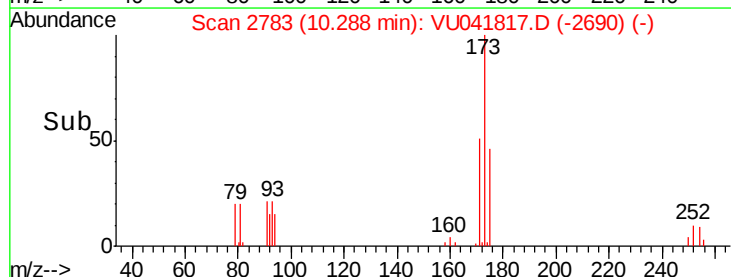
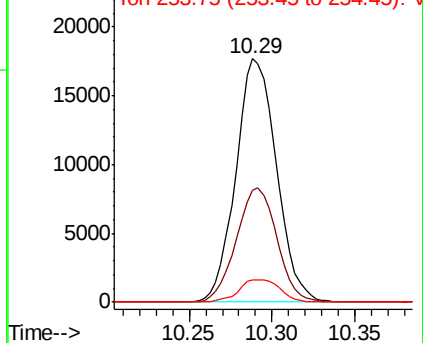
173 100

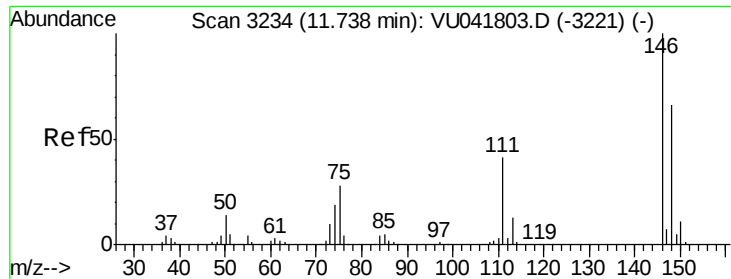
175 46.7 37.3 55.9

254 9.4 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU041803.D (-2771) (-)





#62

1,3-Dichlorobenzene

Concen: 5.448 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

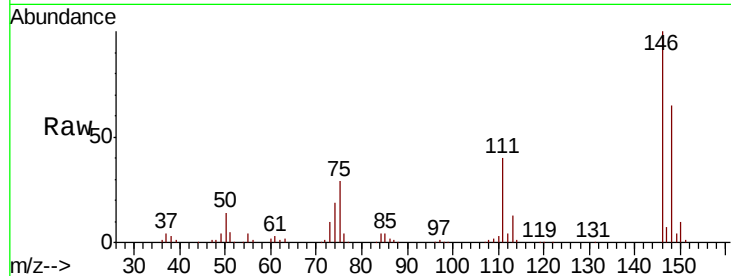
Tot Ion:146 Resp: 104162

Ion Ratio Lower Upper

146 100

111 40.1 30.0 55.8

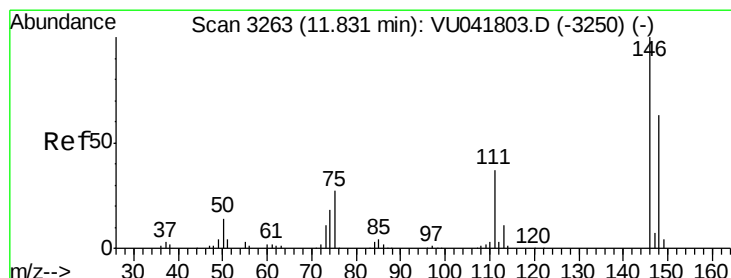
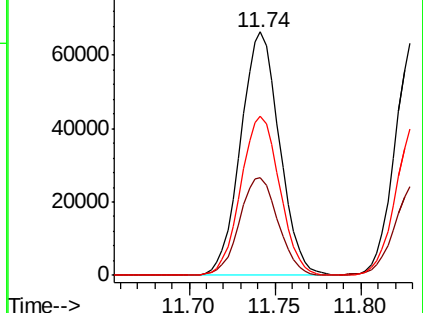
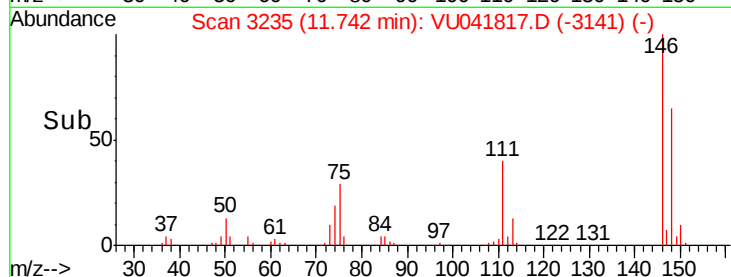
148 65.4 44.9 83.3



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: 5.402 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

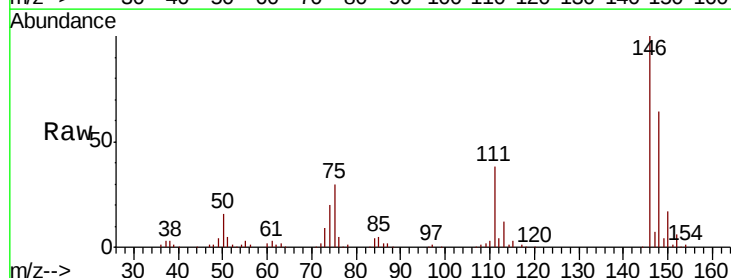
Tgt Ion:146 Resp: 103842

Ion Ratio Lower Upper

146 100

111 38.2 27.9 51.9

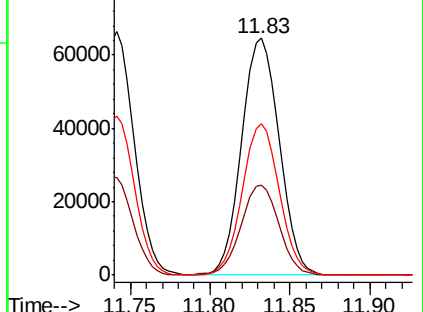
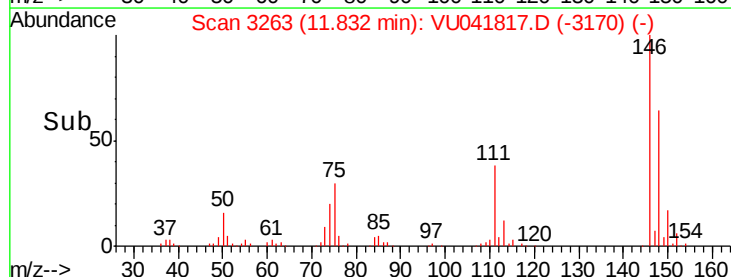
148 64.0 45.0 83.6

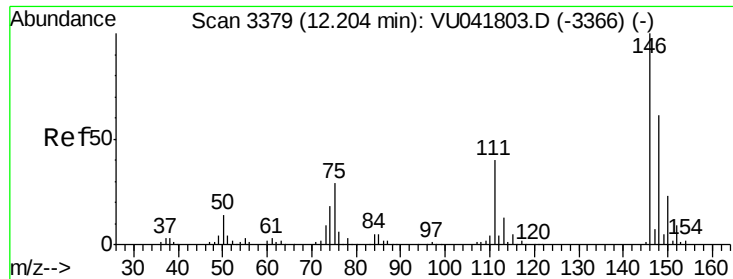


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

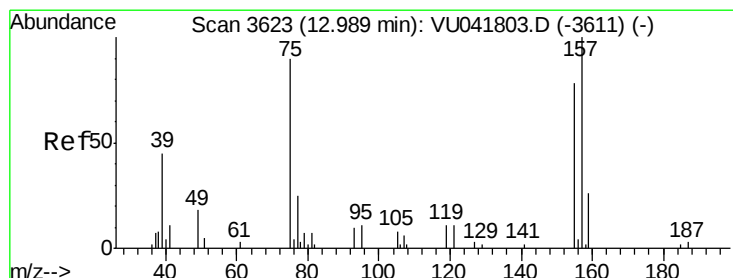
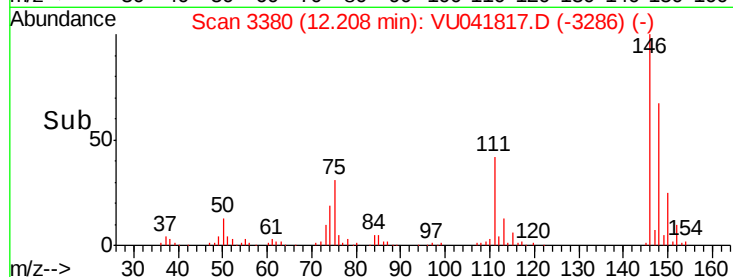
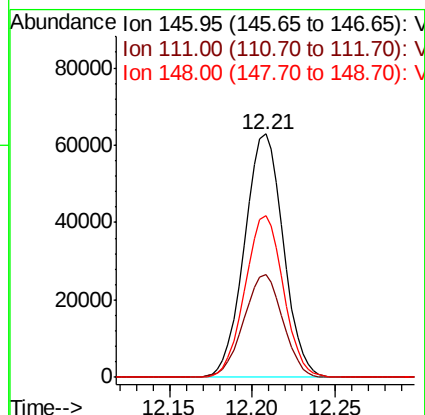
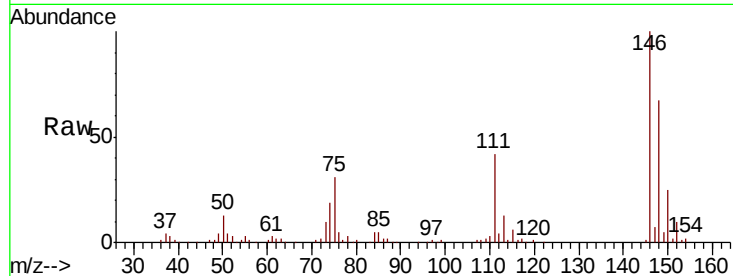




#65
 1,2-Dichlorobenzene
 Concen: 5.472 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

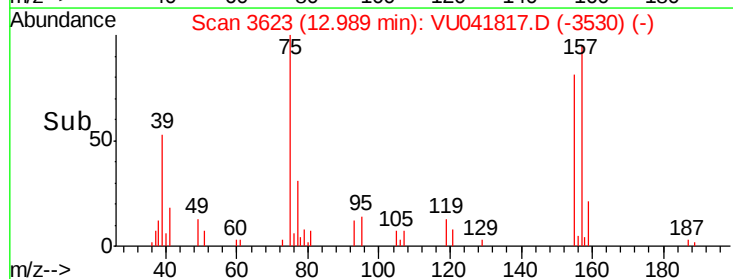
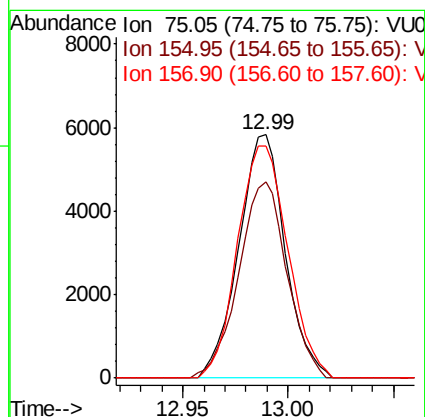
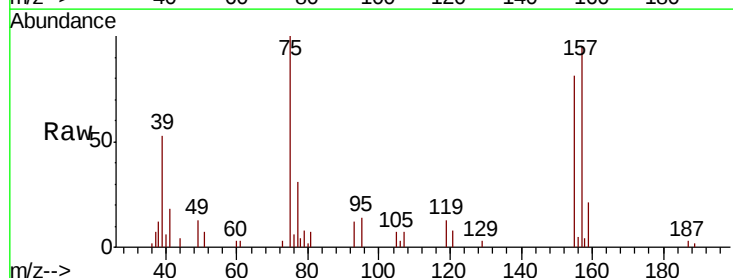
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

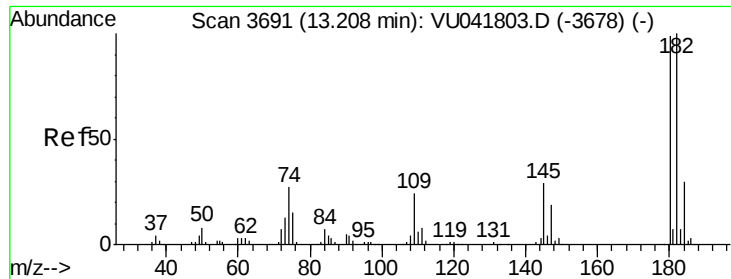
Tot Ion:146 Resp: 102448
 Ion Ratio Lower Upper
 146 100
 111 42.4 35.0 52.6
 148 66.6 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.093 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Tgt Ion: 75 Resp: 8941
 Ion Ratio Lower Upper
 75 100
 155 80.8 57.4 86.0
 157 95.2 72.4 108.6

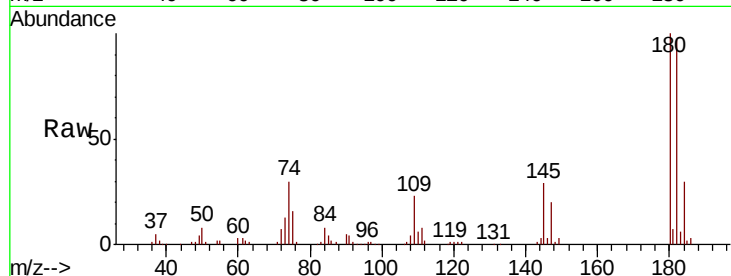




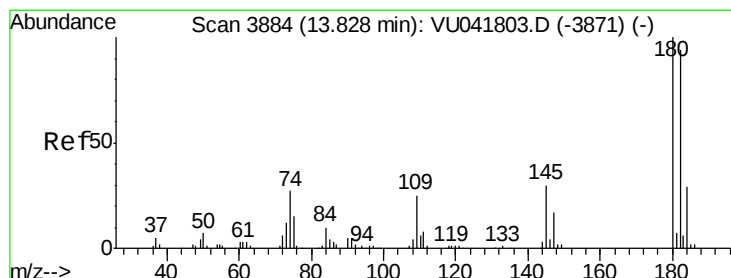
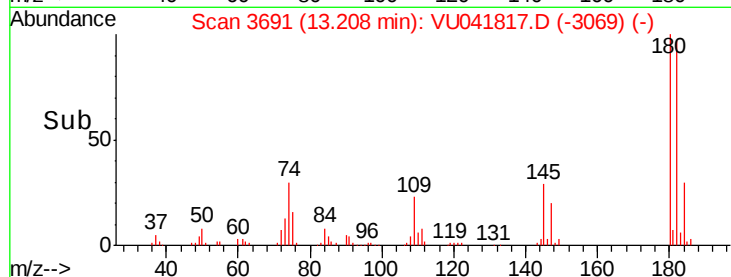
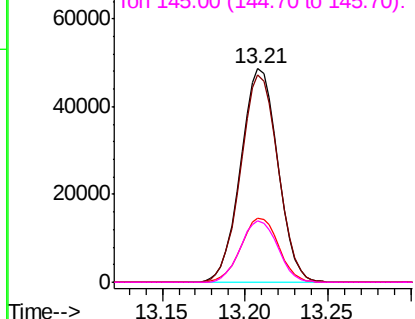
#67
 1,3,5-Trichlorobenzene
 Concen: 5.233 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion:180 Resp: 75941
 Ion Ratio Lower Upper
 180 100
 182 97.6 76.3 114.5
 184 30.5 24.1 36.1
 145 28.8 24.1 36.1

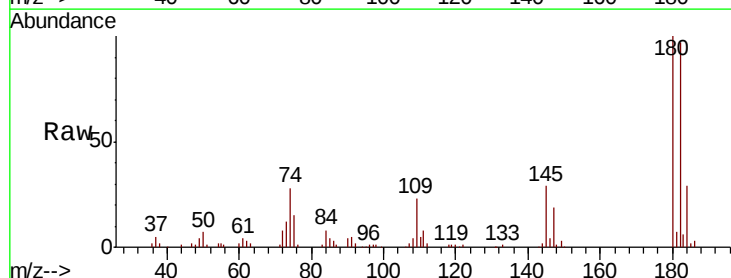


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

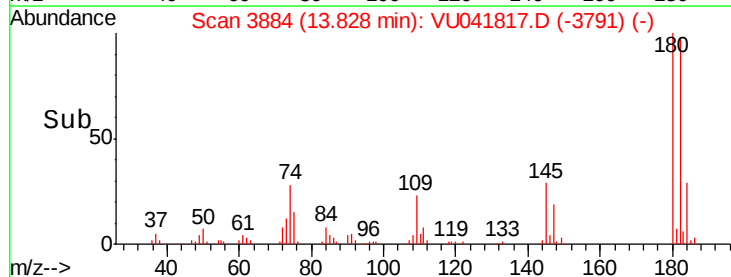
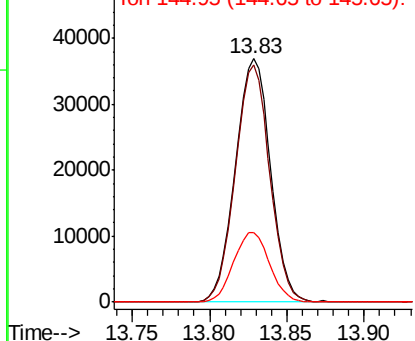


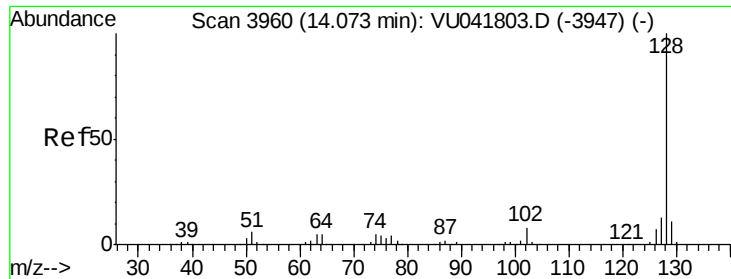
#68
 1,2,4-trichlorobenzene
 Concen: 4.780 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041817.D
 Acq: 24 Dec 2020 20:17

Tgt Ion:180 Resp: 58217
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.4 113.0
 145 29.1 24.5 36.7



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: 3.969 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

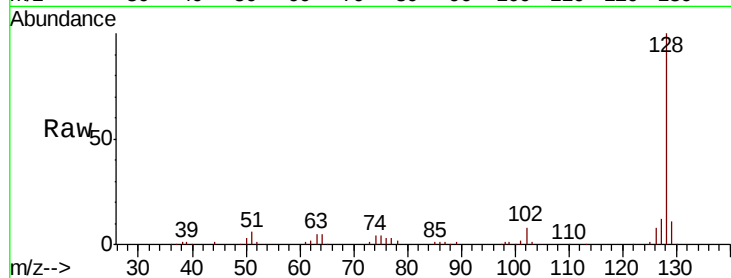
Tot Ion:128 Resp: 100049

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

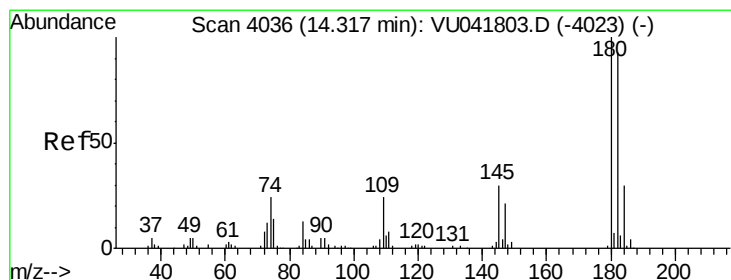
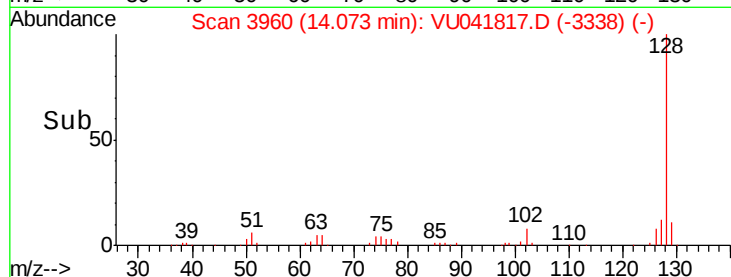
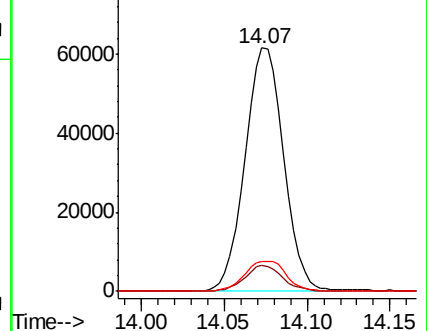
127 13.5 10.2 15.4



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: 4.914 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041817.D

Acq: 24 Dec 2020 20:17

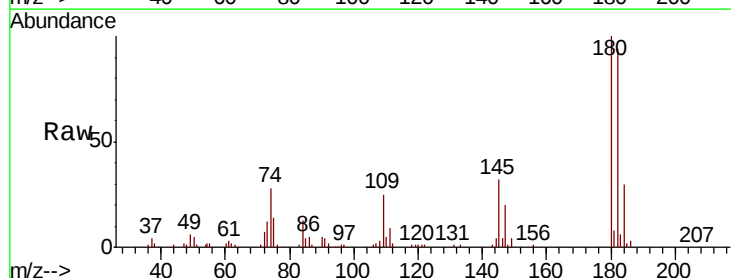
Tgt Ion:180 Resp: 57034

Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.4

145 32.2 26.4 39.6



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

