

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122420\
 Data File : VU041797.D
 Acq On : 24 Dec 2020 09:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050207

Quant Time: Dec 25 02:14:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 18 16:10:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	347807	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	323834	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	162905	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	130462	50.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.38%
7) Chloroethane-d5	1.92	69	116449	53.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.84%
11) 1,1-Dichloroethene-d2	2.58	63	257867	56.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.08%
21) 2-Butanone-d5	4.64	46	202250	102.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.14%
24) Chloroform-d	5.08	84	226100	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.90%
26) 1,2-Dichloroethane-d4	5.71	65	137526	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
32) Benzene-d6	5.74	84	451691	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.28%
36) 1,2-Dichloropropane-d6	6.70	67	137719	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.84%
41) Toluene-d8	7.90	98	424770	48.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.34%
43) trans-1,3-Dichloropropene-	8.18	79	72420	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.64%
47) 2-Hexanone-d5	8.64	63	159611	100.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.78%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	215472	48.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.60%
66) 1,2-Dichlorobenzene-d4	12.19	152	164482	49.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.18%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	137015	47.268	ug/L	100
3) Chloromethane	1.52	50	133156	50.394	ug/L	98
5) Vinyl chloride	1.61	62	156970	53.320	ug/L	98
6) Bromomethane	1.86	94	114728	52.828	ug/L	98
8) Chloroethane	1.94	64	103504	52.588	ug/L	97
9) Trichlorofluoromethane	2.14	101	228911	53.058	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	131587	56.295	ug/L	98
12) 1,1-Dichloroethene	2.59	96	125221	56.089	ug/L	91
13) Acetone	2.64	43	169896	114.878	ug/L	100
14) Carbon disulfide	2.80	76	398210	55.596	ug/L	99
15) Methyl Acetate	2.96	43	159567	56.671	ug/L	98
16) Methylene chloride	3.06	84	141913	55.606	ug/L	97
17) trans-1,2-Dichloroethene	3.37	96	129124	55.788	ug/L	96
18) Methyl tert-butyl Ether	3.38	73	394850	54.965	ug/L	99
19) 1,1-Dichloroethane	3.88	63	237283	56.124	ug/L	97
20) cis-1,2-Dichloroethene	4.68	96	128291	50.608	ug/L	99
22) 2-Butanone	4.72	43	203791	95.769	ug/L	97

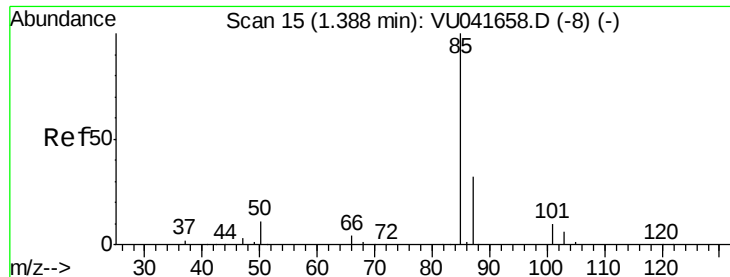
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122420\
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 18 16:10:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	68348	50.278	ug/L	95
25) Chloroform	5.10	83	217409	48.776	ug/L	96
27) 1,2-Dichloroethane	5.81	62	167233	48.082	ug/L	96
29) Cyclohexane	5.40	56	179956	48.317	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	191136	47.558	ug/L	99
31) Carbon tetrachloride	5.54	117	170418	48.596	ug/L	99
33) Benzene	5.79	78	494598	48.309	ug/L	100
34) Trichloroethene	6.55	95	127439	48.042	ug/L	98
35) Methylcyclohexane	6.77	83	204470	48.617	ug/L	99
37) 1,2-Dichloropropane	6.80	63	122829	47.759	ug/L	100
38) Bromodichloromethane	7.11	83	162248	46.595	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	195384	47.667	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	349552	92.565	ug/L	99
42) Toluene	7.97	91	532729	49.280	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	191613	48.235	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	123516	47.471	ug/L	98
46) Tetrachloroethene	8.56	164	100450	48.790	ug/L	95
48) 2-Hexanone	8.69	43	302163	98.480	ug/L	99
49) Dibromochloromethane	8.81	129	138315	49.092	ug/L	93
50) 1,2-Dibromoethane	8.92	107	133795	49.259	ug/L	100
51) Chlorobenzene	9.45	112	331558	48.020	ug/L	99
52) Ethylbenzene	9.57	91	556505	48.913	ug/L	99
53) m,p-Xylene	9.69	106	220510	50.439	ug/L	97
54) o-xylene	10.10	106	214896	50.350	ug/L	100
55) Styrene	10.11	104	367334	50.599	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	212409	47.486	ug/L	100
59) Bromoform	10.29	173	105186	48.457	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	178486	47.875	ug/L	100
61) Isopropylbenzene	10.48	105	557445	49.888	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	468766	50.469	ug/L	97
63) 1,2,4-Trimethylbenzene	11.46	105	487980	51.858	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	258109	48.229	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	258212	47.860	ug/L	99
67) 1,2-Dichlorobenzene	12.20	146	265981	48.199	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	55805	47.936	ug/L	99
69) 1,3,5-Trichlorobenzene	13.21	180	181206	47.064	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	146477	47.400	ug/L	98
71) Naphthalene	14.07	128	501942	50.032	ug/L	100
72) 1,2,3-Trichlorobenzene	14.31	180	156821	50.284	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.268 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

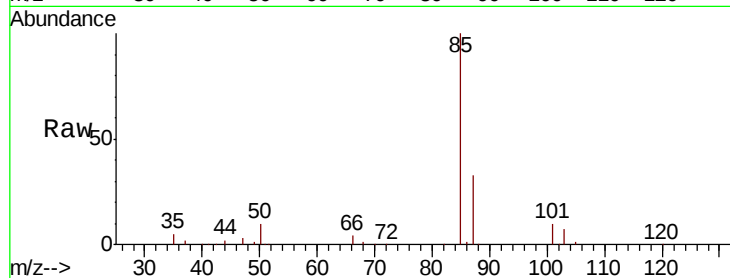
VSTD050207

Tot Ion: 85 Resp: 137015

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU041658.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041658.D (-8) (-)

1.39

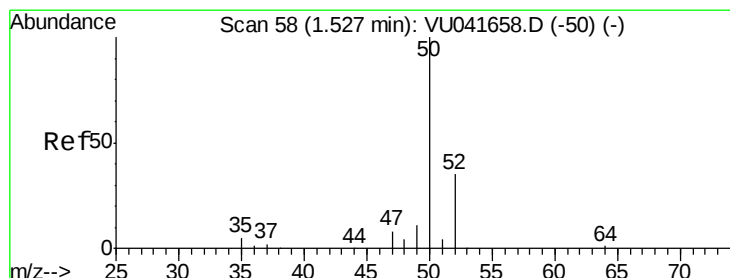
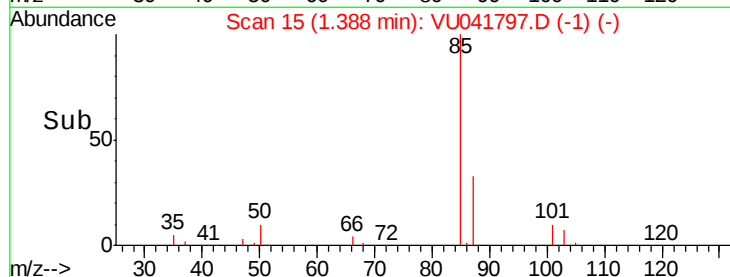
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.394 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041797.D

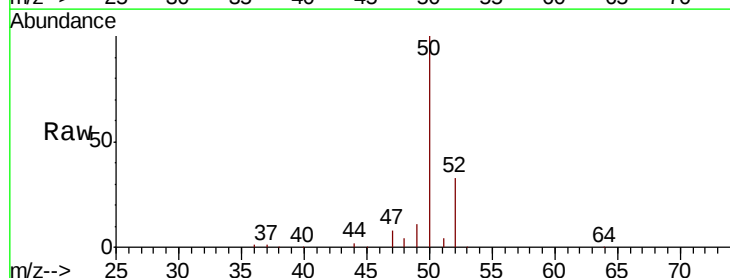
Acq: 24 Dec 2020 09:06

Tgt Ion: 50 Resp: 133156

Ion Ratio Lower Upper

50 100

52 33.3 24.1 44.8



Abundance Ion 50.00 (49.70 to 50.70): VU041658.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU041658.D (-50) (-)

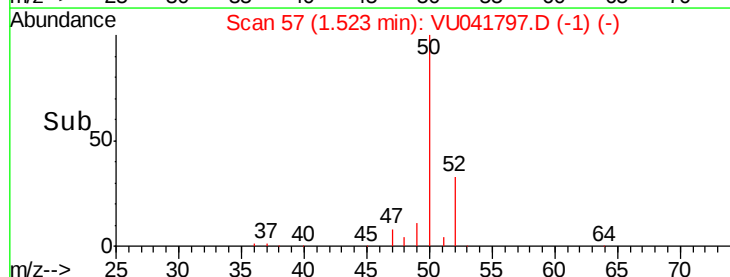
1.52

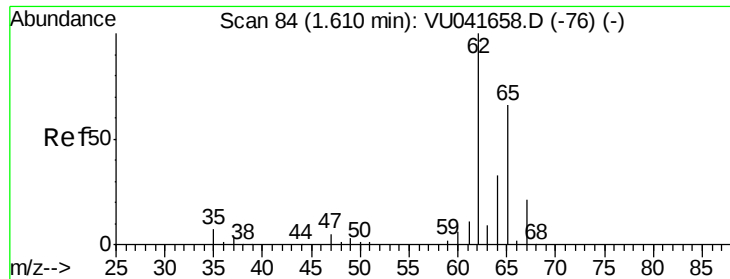
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 53.320 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

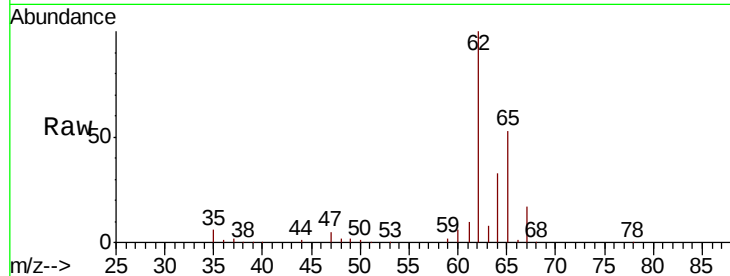
VSTD050207

Tot Ion: 62 Resp: 156970

Ion Ratio Lower Upper

62 100

64 33.0 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU041797.D

Ion 64.00 (63.70 to 64.70): VU041797.D

1.61

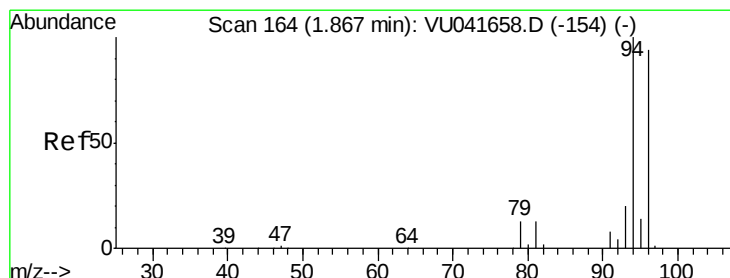
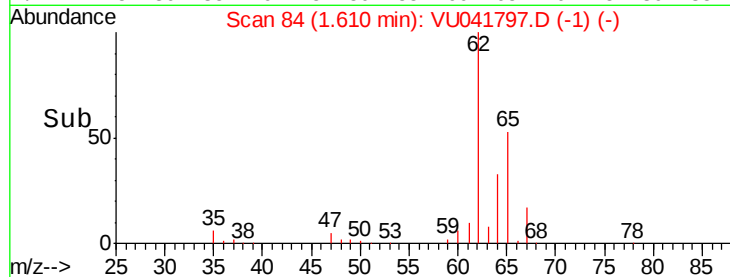
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 52.828 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041797.D

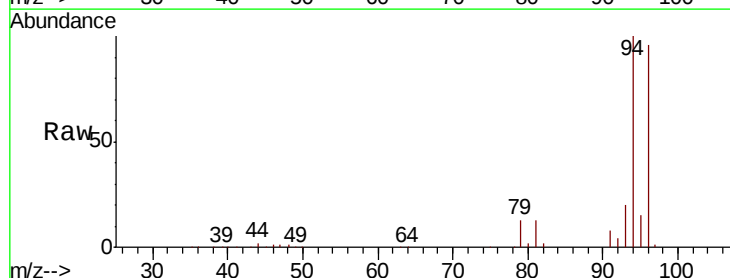
Acq: 24 Dec 2020 09:06

Tgt Ion: 94 Resp: 114728

Ion Ratio Lower Upper

94 100

96 95.9 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU041797.D

Ion 96.00 (95.70 to 96.70): VU041797.D

1.86

100000

80000

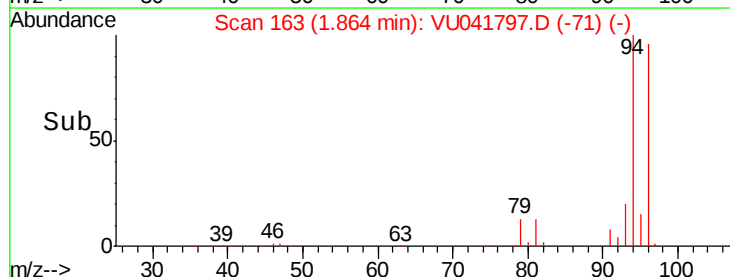
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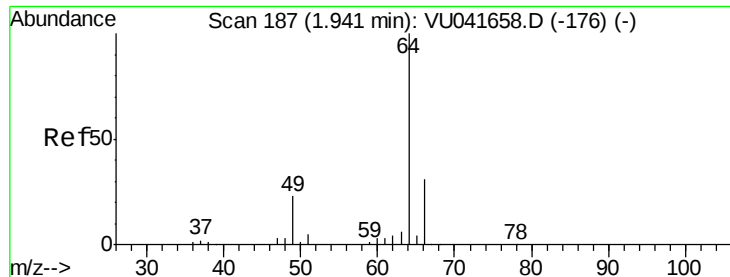
40000

20000

0

Time-->





#8

Chloroethane

Concen: 52.588 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

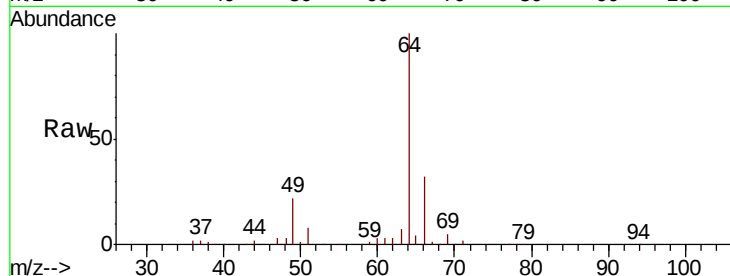
VSTD050207

Tot Ion: 64 Resp: 103504

Ion Ratio Lower Upper

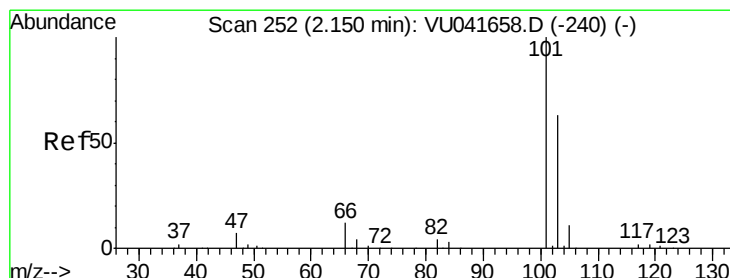
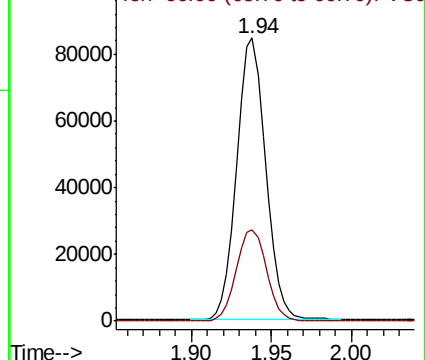
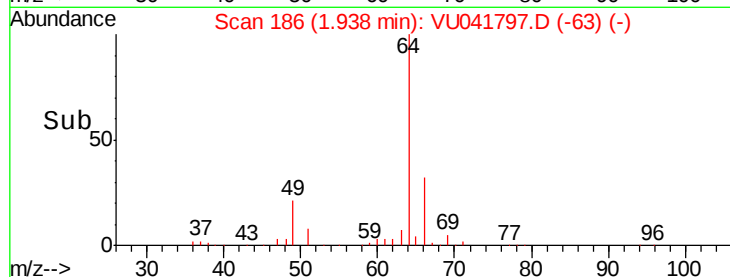
64 100

66 32.2 21.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VU041797.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU041797.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 53.058 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.01 min

Lab File: VU041797.D

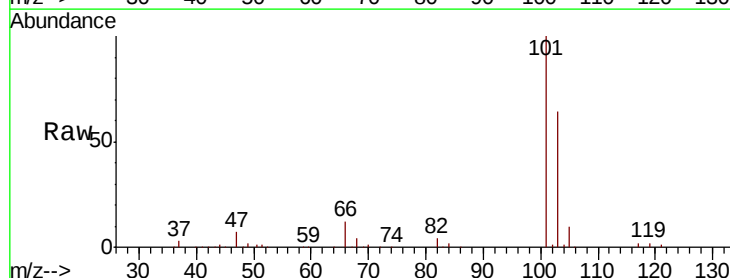
Acq: 24 Dec 2020 09:06

Tgt Ion:101 Resp: 228911

Ion Ratio Lower Upper

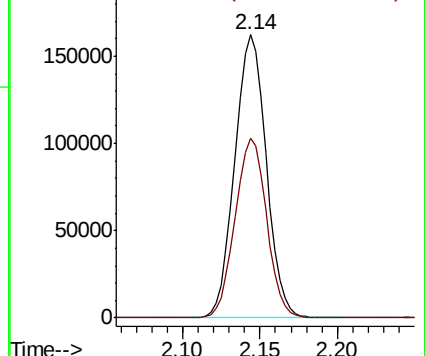
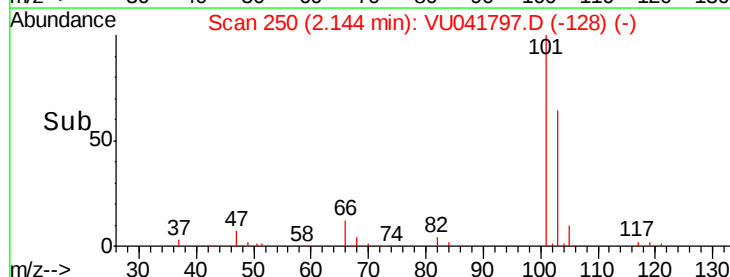
101 100

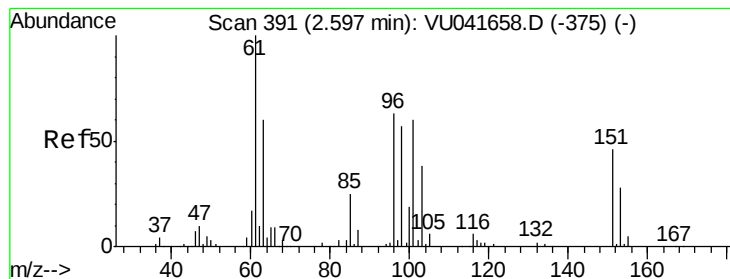
103 63.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU041797.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041797.D (-240) (-)





#10

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

Concen: 56.295 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050207

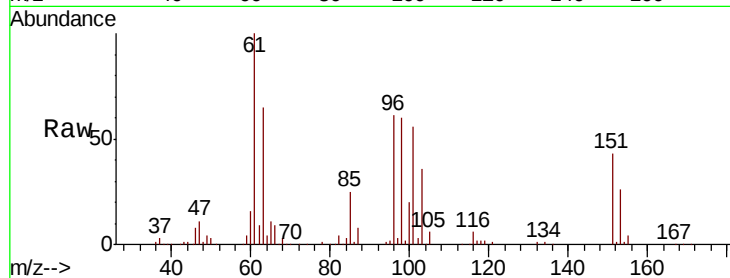
Tot Ion:101 Resp: 131587

Ion Ratio Lower Upper

101 100

85 42.5 32.7 49.1

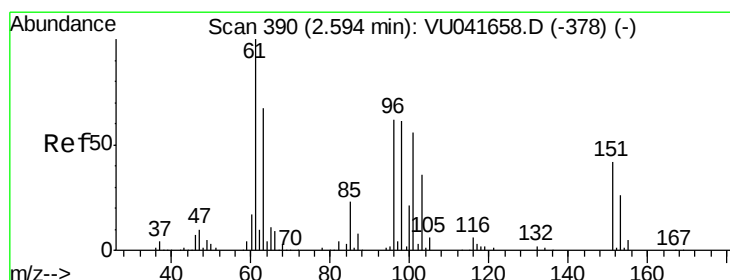
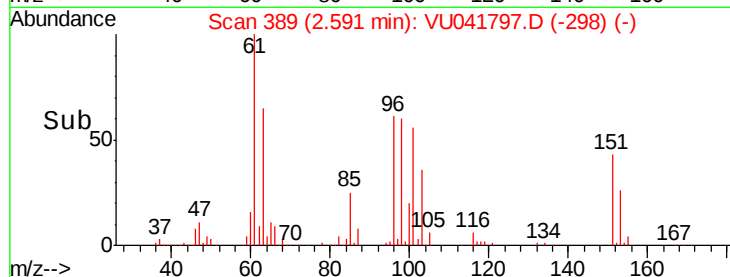
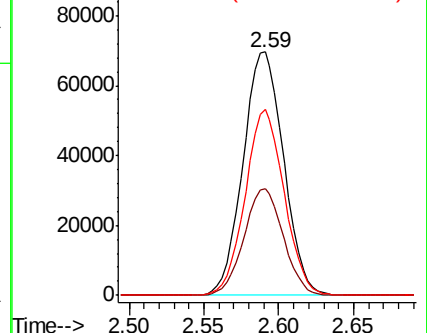
151 73.5 60.4 90.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 56.089 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

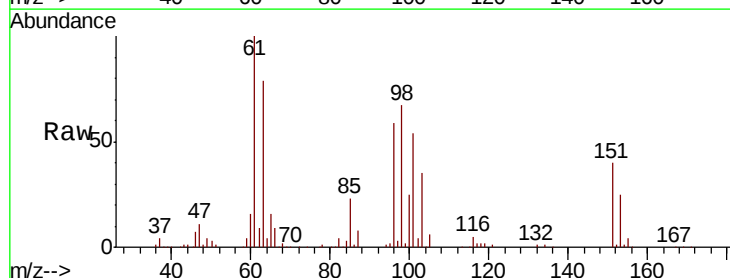
Tgt Ion: 96 Resp: 125221

Ion Ratio Lower Upper

96 100

61 170.0 114.3 212.3

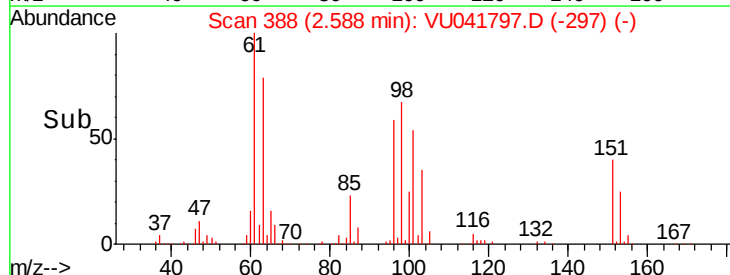
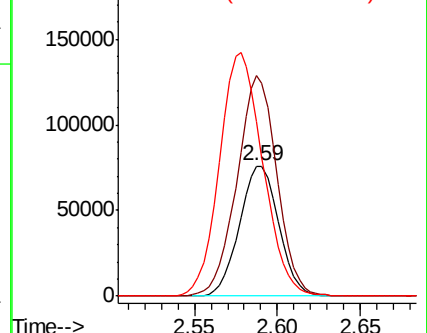
63 133.9 83.0 154.2

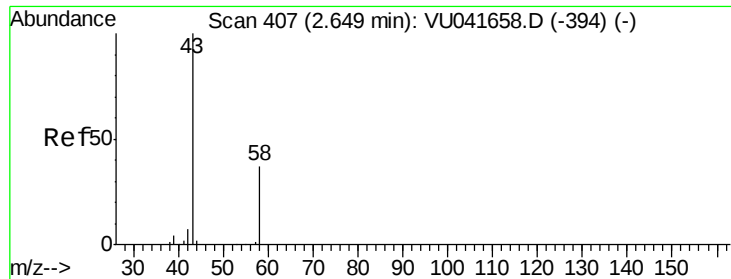


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 114.878 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.01 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

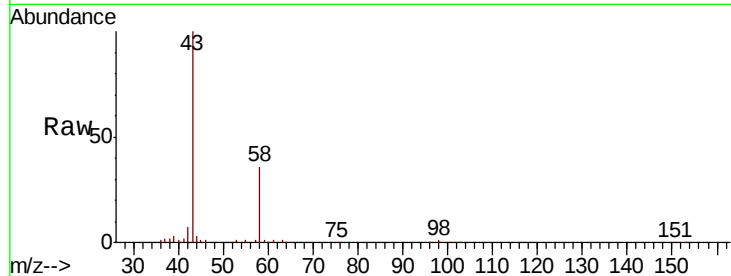
VSTD050207

Tot Ion: 43 Resp: 169896

Ion Ratio Lower Upper

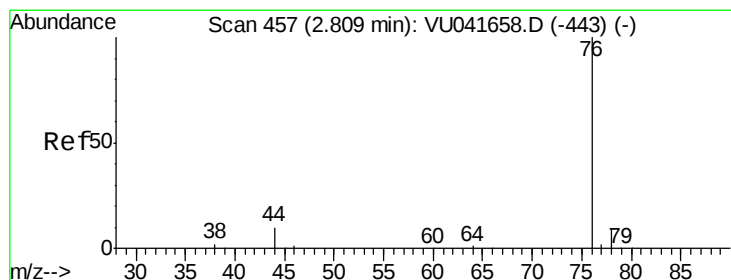
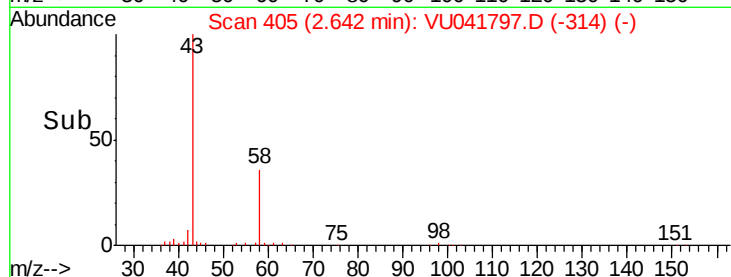
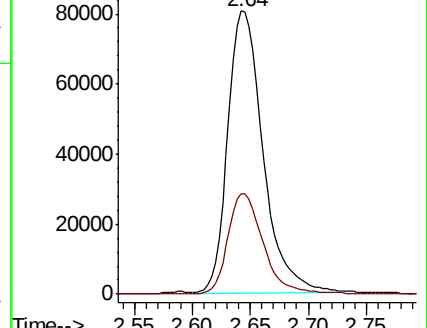
43 100

58 35.3 0.0 70.8



Abundance Ion 43.00 (42.70 to 43.70): VU041797.D (-394) (-)

Ion 58.00 (57.70 to 58.70): VU041797.D (-394) (-)



#14

Carbon disulfide

Concen: 55.596 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.01 min

Lab File: VU041797.D

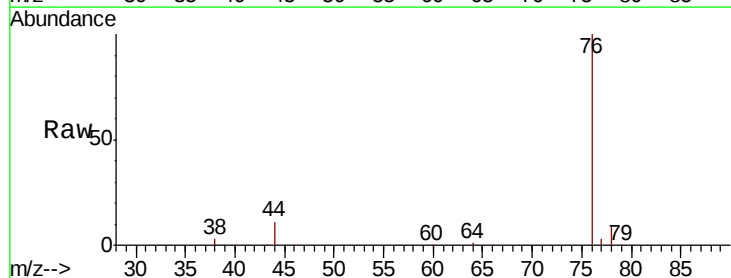
Acq: 24 Dec 2020 09:06

Tgt Ion: 76 Resp: 398210

Ion Ratio Lower Upper

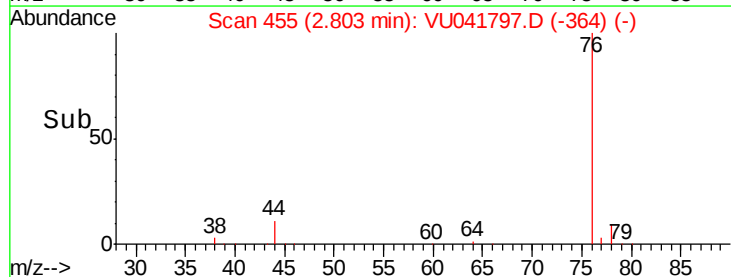
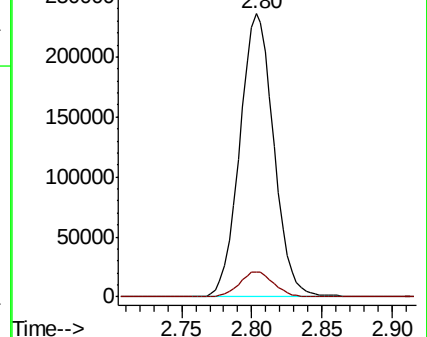
76 100

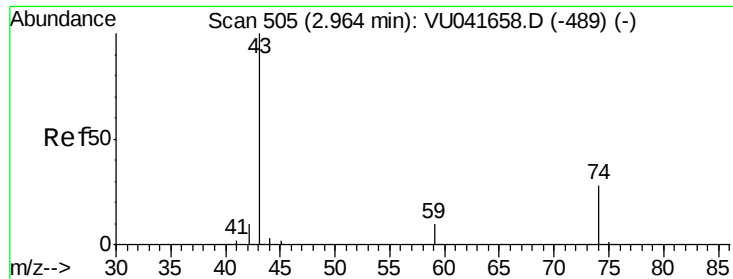
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU041797.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU041797.D (-364) (-)

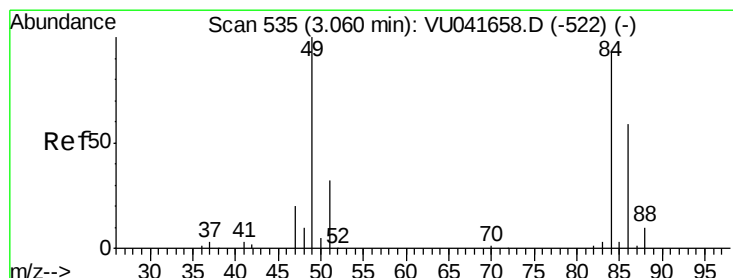
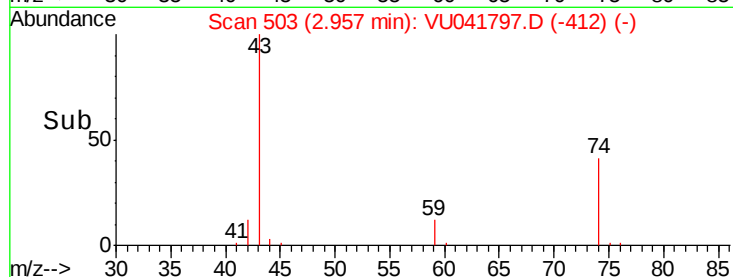
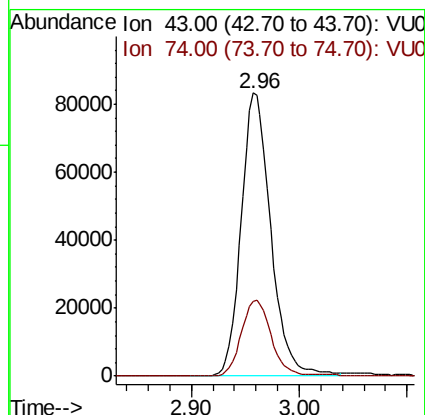
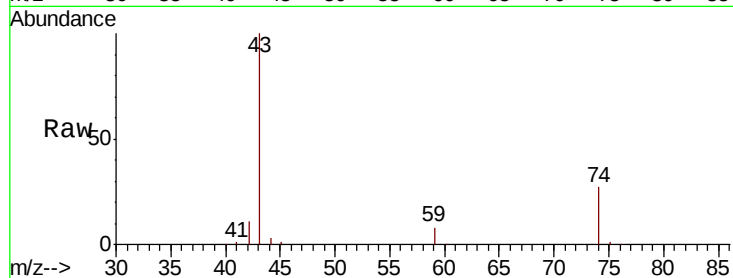




#15
Methvl Acetate
Concen: 56.671 ug/L
RT: 2.96 min Scan# 503
Delta R.T. -0.01 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

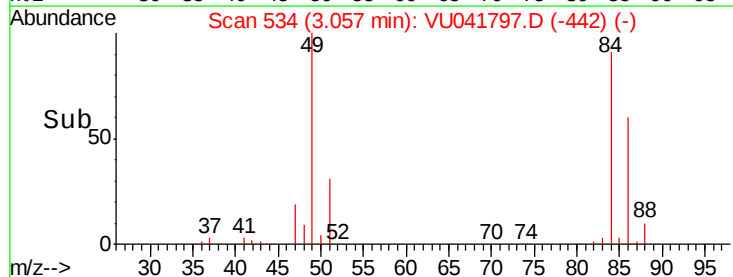
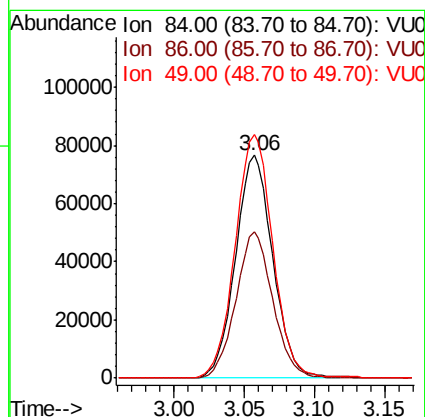
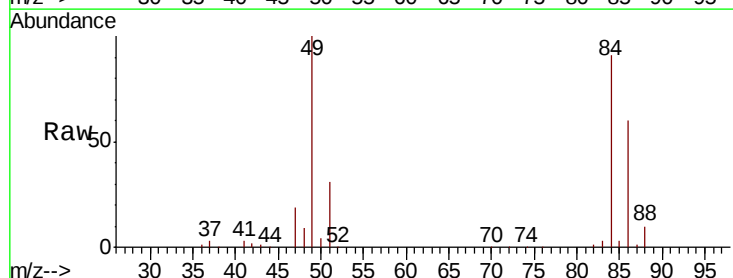
Instrument :
MSVOA_U
ClientSampleId :
VSTD050207

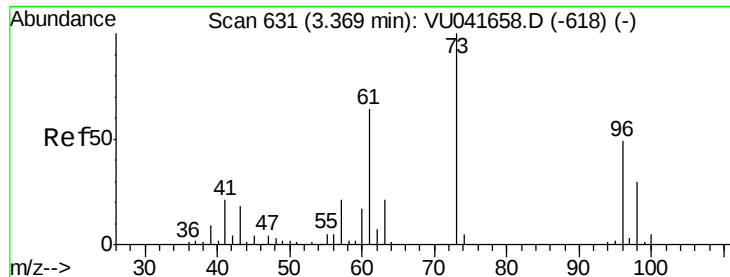
Tot Ion: 43 Resp: 159567
Ion Ratio Lower Upper
43 100
74 26.8 22.1 33.1



#16
Methylene chloride
Concen: 55.606 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

Tgt Ion: 84 Resp: 141913
Ion Ratio Lower Upper
84 100
86 65.8 44.0 81.6
49 109.3 75.0 139.4

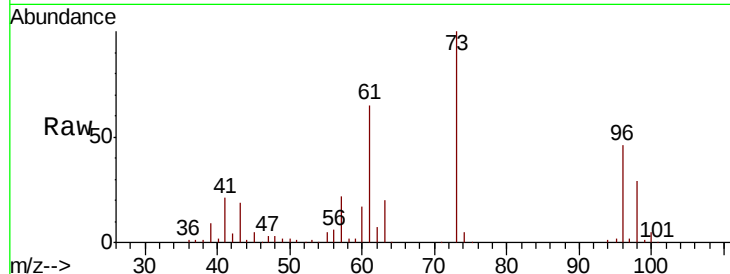




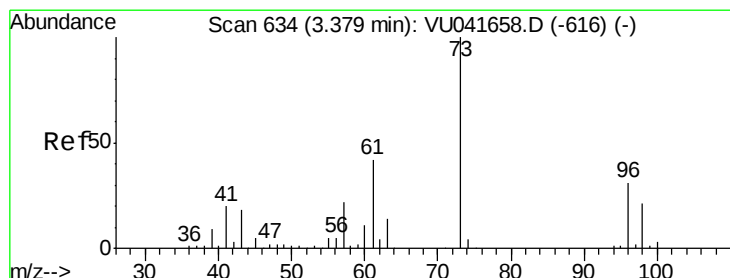
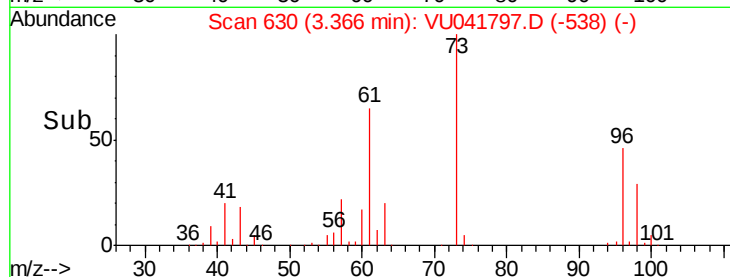
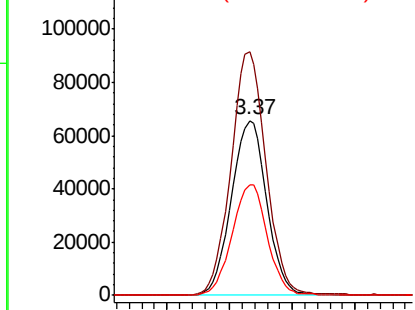
#17
trans-1,2-Dichloroethene
Concen: 55.788 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD050207

Tot Ion: 96 Resp: 129124
Ion Ratio Lower Upper
96 100
61 139.2 92.6 172.0
98 63.3 43.5 80.9

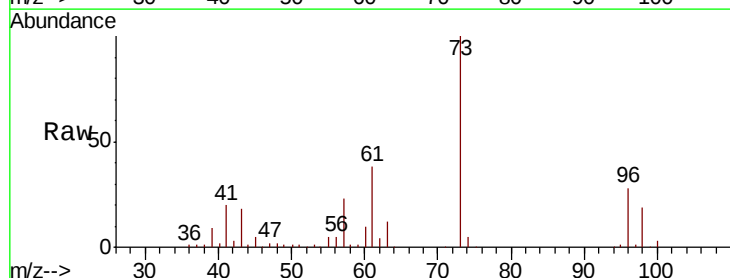


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

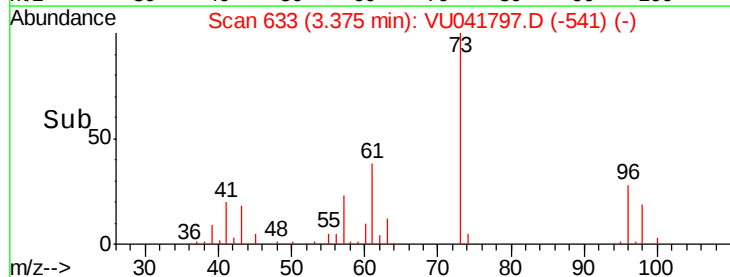
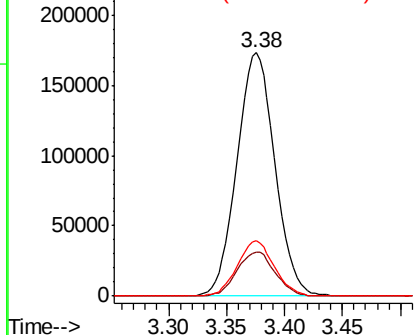


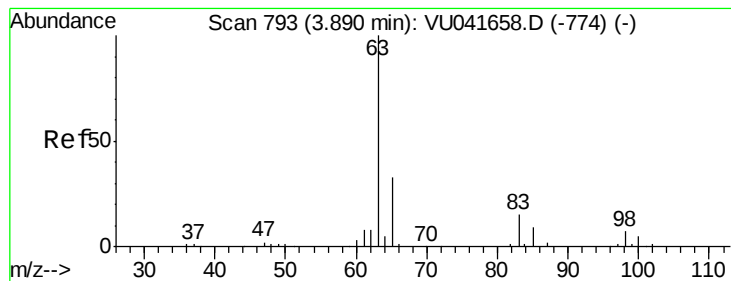
#18
Methyl tert-butyl Ether
Concen: 54.965 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

Tgt Ion: 73 Resp: 394850
Ion Ratio Lower Upper
73 100
43 18.3 14.8 22.2
57 21.9 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 56.124 ug/L

RT: 3.88 min Scan# 791

Delta R.T. -0.01 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050207

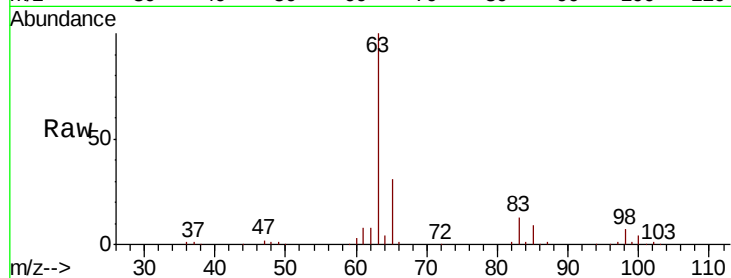
Tot Ion: 63 Resp: 237283

Ion Ratio Lower Upper

63 100

65 31.3 22.9 42.5

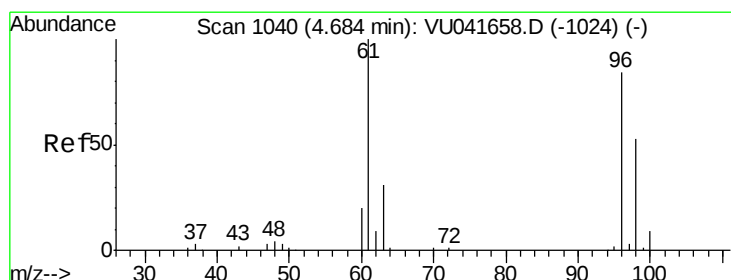
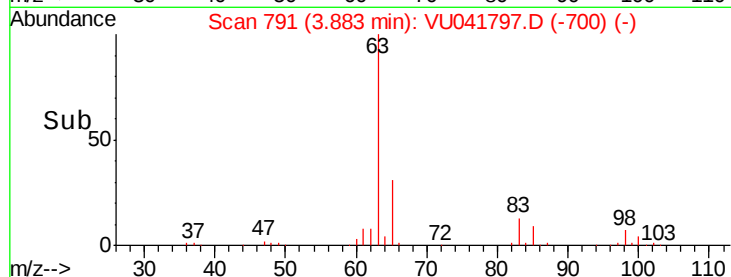
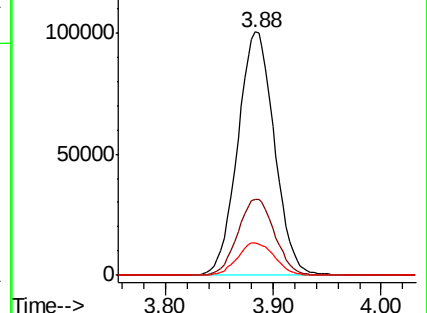
83 13.2 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VU041797.D (-774) (-)

Ion 65.00 (64.70 to 65.70): VU041797.D (-774) (-)

Ion 83.00 (82.70 to 83.70): VU041797.D (-774) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.608 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

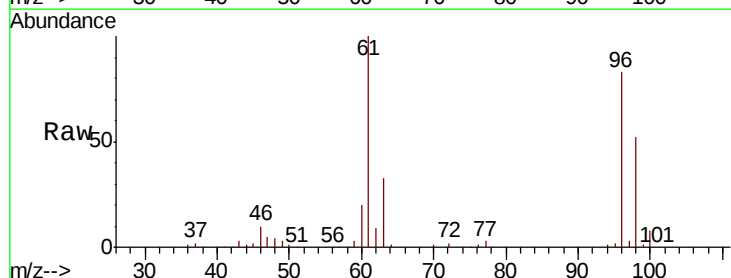
Tgt Ion: 96 Resp: 128291

Ion Ratio Lower Upper

96 100

61 120.7 83.7 155.5

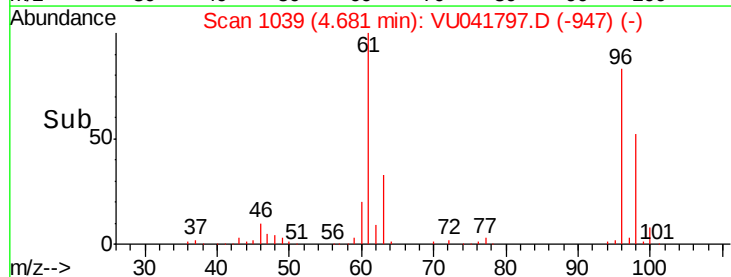
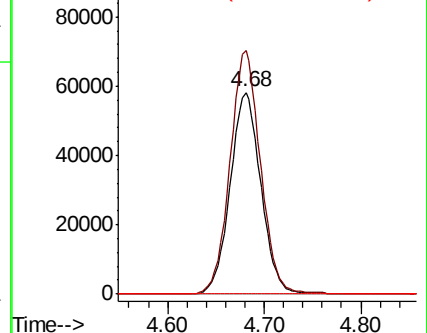
68 0.0 0.0 0.0

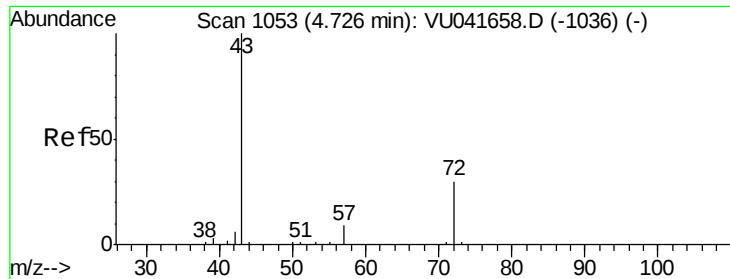


Abundance Ion 96.00 (95.70 to 96.70): VU041797.D (-947) (-)

Ion 61.00 (60.70 to 61.70): VU041797.D (-947) (-)

Ion 68.00 (67.70 to 68.70): VU041797.D (-947) (-)





#22

2-Butanone

Concen: 95.769 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

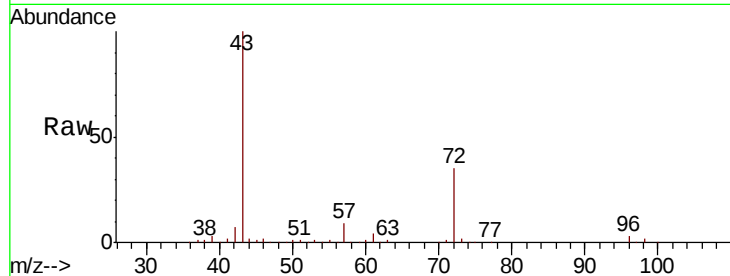
VSTD050207

Tot Ion: 43 Resp: 203791

Ion Ratio Lower Upper

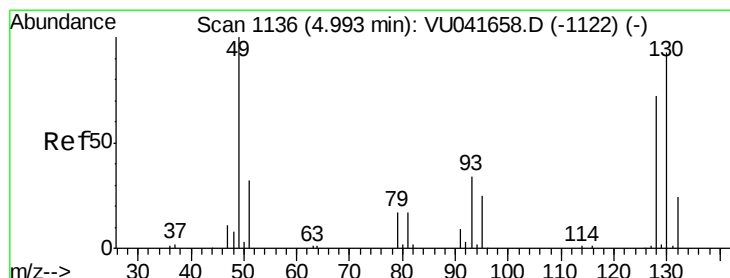
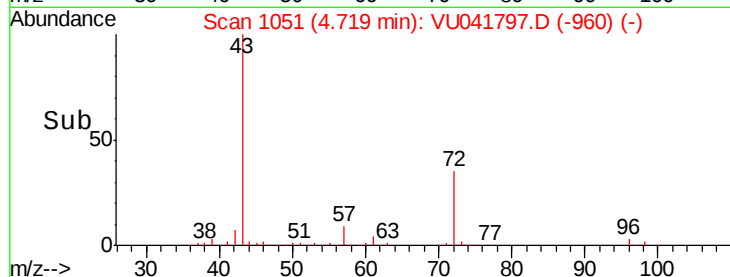
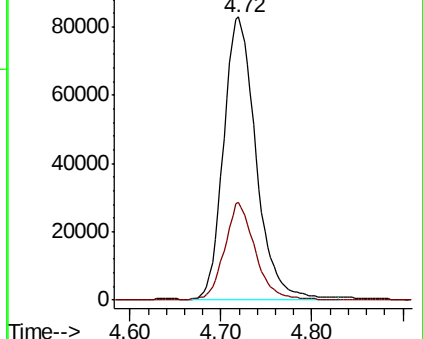
43 100

72 33.0 15.6 46.8



Abundance Ion 43.00 (42.70 to 43.70): VU041658.D (-1036) (-)

Ion 72.00 (71.70 to 72.70): VU041658.D (-1036) (-)



#23

Bromochloromethane

Concen: 50.278 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Tgt Ion: 128 Resp: 68348

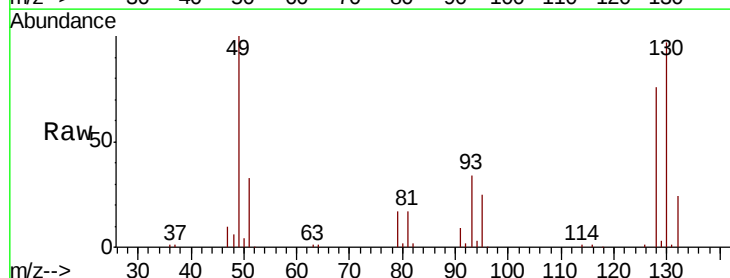
Ion Ratio Lower Upper

128 100

49 131.1 97.9 181.9

130 127.0 90.9 168.9

51 43.0 35.9 53.9

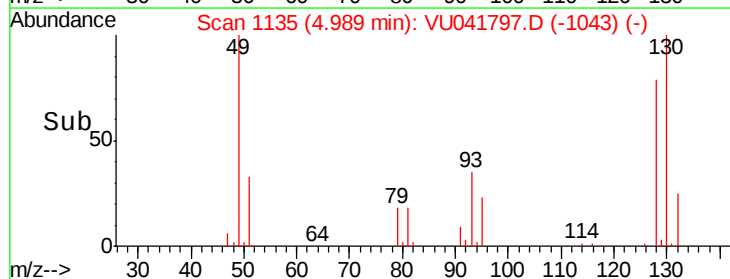
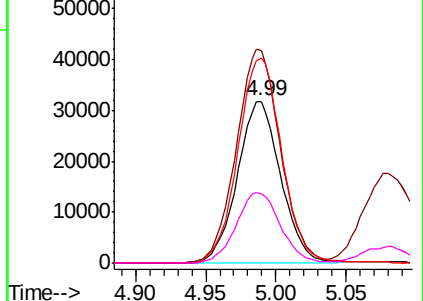


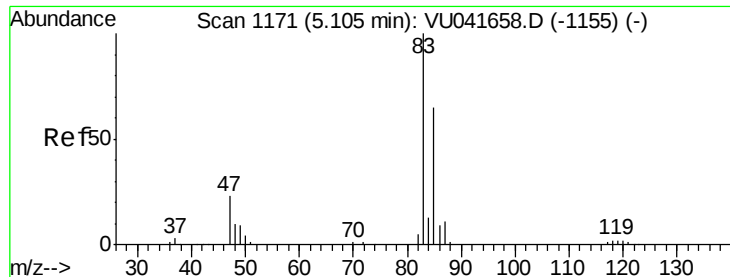
Abundance Ion 128.00 (127.70 to 128.70): VU041658.D (-1122) (-)

Ion 49.00 (48.70 to 49.70): VU041658.D (-1122) (-)

Ion 130.00 (129.70 to 130.70): VU041658.D (-1122) (-)

Ion 51.00 (50.70 to 51.70): VU041658.D (-1122) (-)

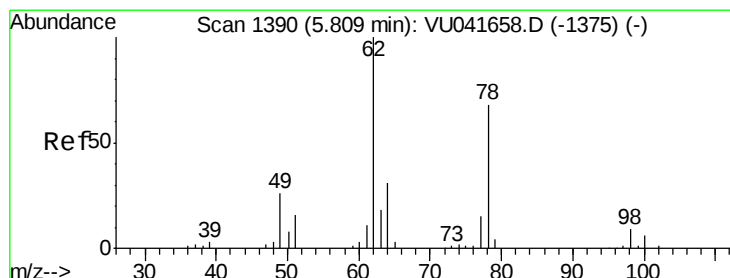
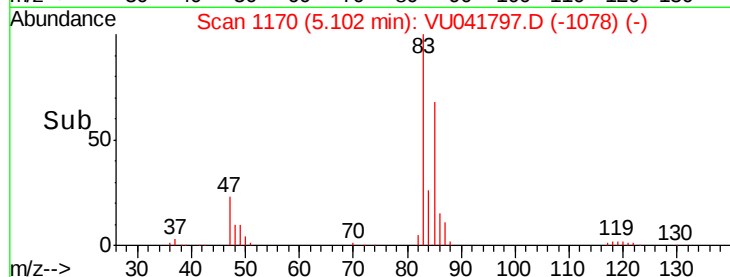
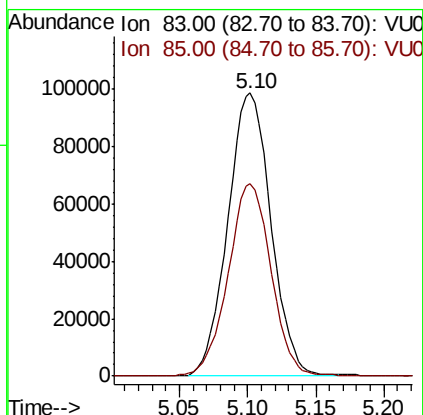
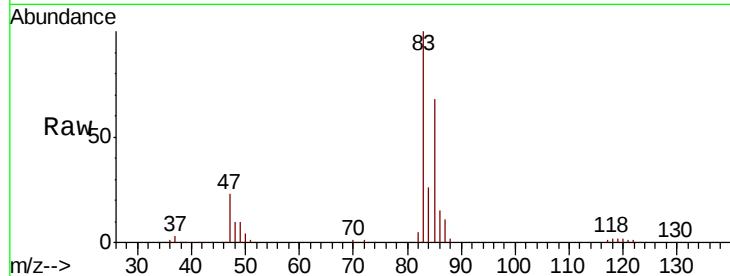




#25
Chloroform
Concen: 48.776 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

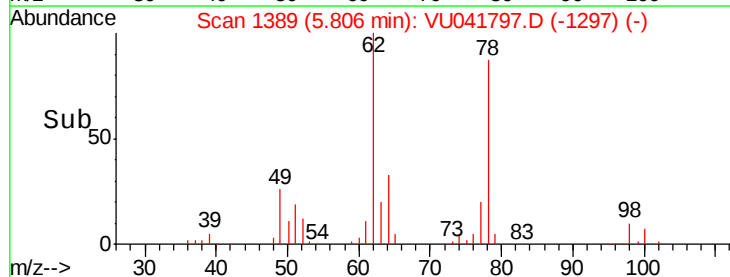
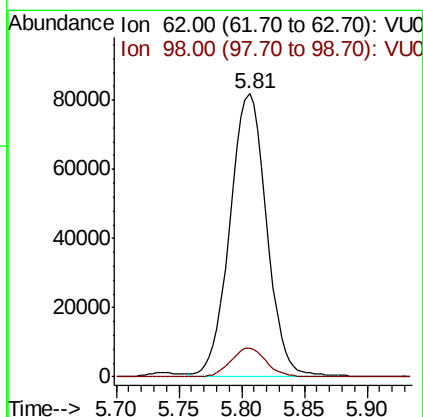
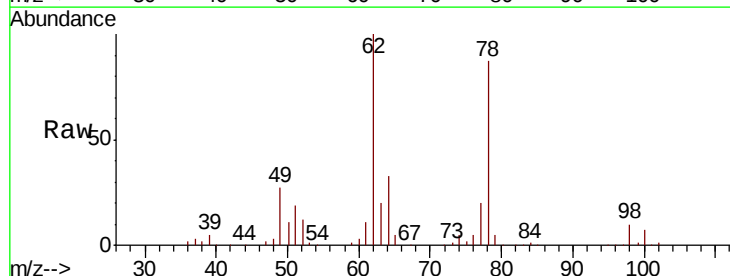
Instrument :
MSVOA_U
ClientSampleId :
VSTD050207

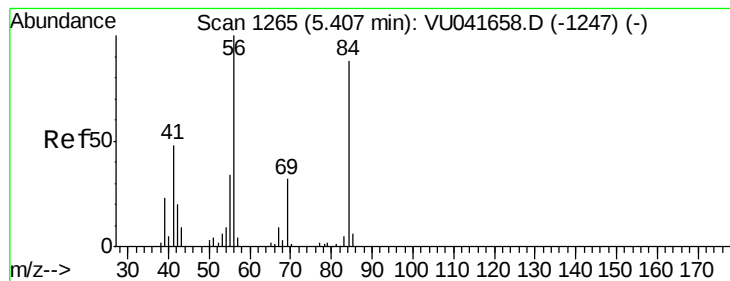
Tot Ion: 83 Resp: 217409
Ion Ratio Lower Upper
83 100
85 67.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 48.082 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

Tgt Ion: 62 Resp: 167233
Ion Ratio Lower Upper
62 100
98 10.2 7.1 10.7





#29

Cyclohexane

Concen: 48.317 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050207

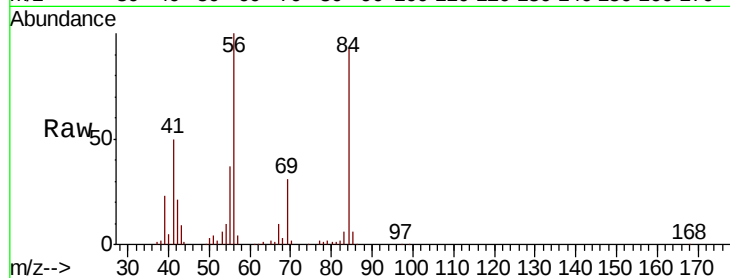
Tot Ion: 56 Resp: 179956

Ion Ratio Lower Upper

56 100

69 32.4 25.0 37.6

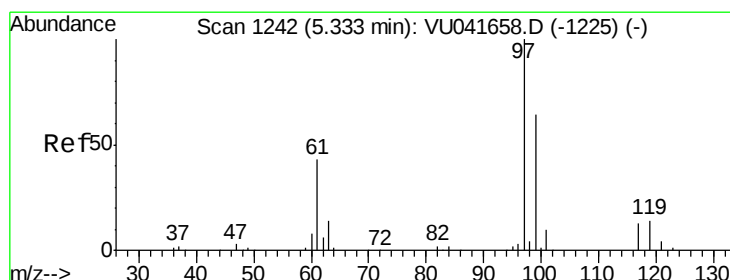
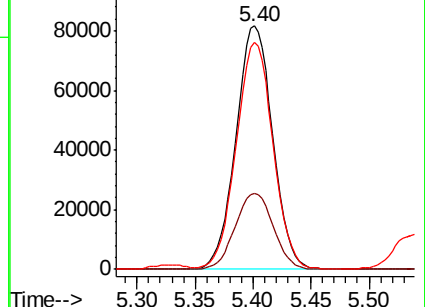
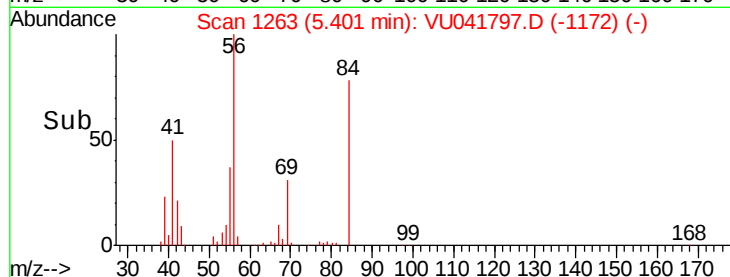
84 92.9 72.6 109.0



Abundance Ion 56.00 (55.70 to 56.70): VU041797.D (-1172) (-)

Ion 69.00 (68.70 to 69.70): VU041797.D (-1172) (-)

Ion 84.00 (83.70 to 84.70): VU041797.D (-1172) (-)



#30

1,1,1-Trichloroethane

Concen: 47.558 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

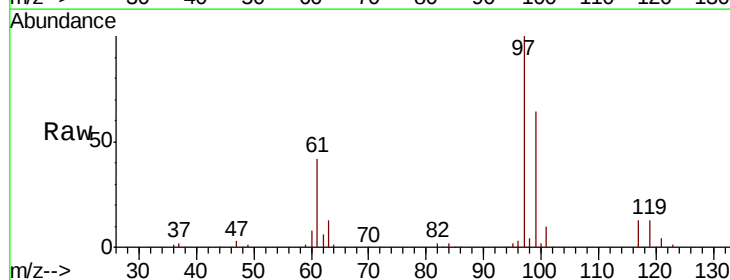
Tgt Ion: 97 Resp: 191136

Ion Ratio Lower Upper

97 100

99 64.7 50.9 76.3

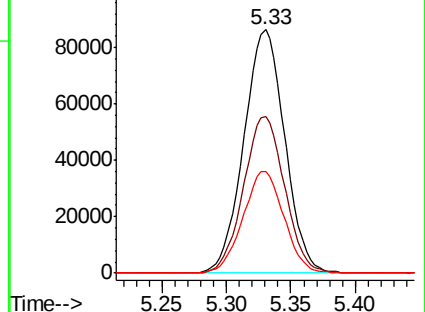
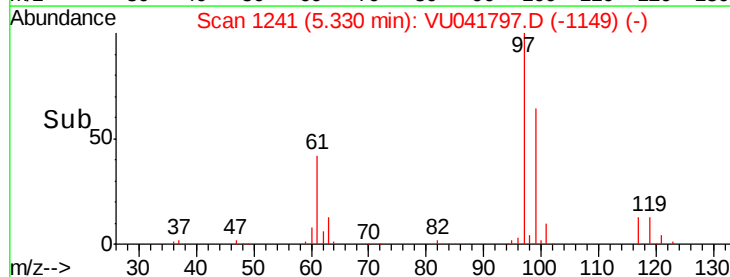
61 41.9 33.4 50.0

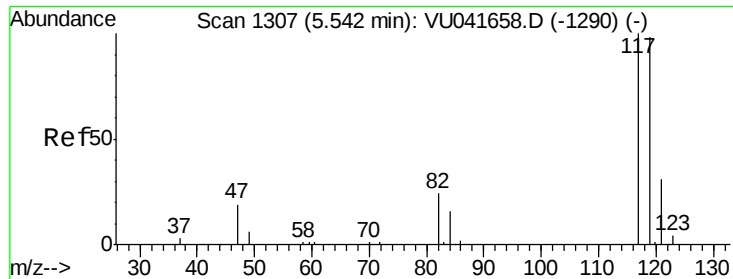


Abundance Ion 97.00 (96.70 to 97.70): VU041797.D (-1149) (-)

Ion 99.00 (98.70 to 99.70): VU041797.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU041797.D (-1149) (-)





#31

Carbon tetrachloride

Concen: 48.596 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

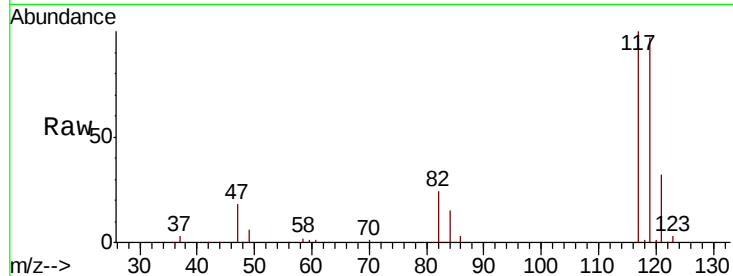
VSTD050207

Tot Ion:117 Resp: 170418

Ion Ratio Lower Upper

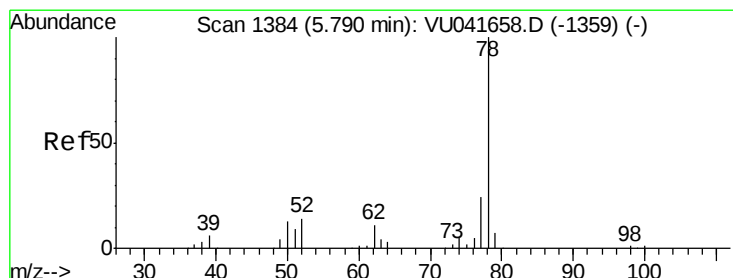
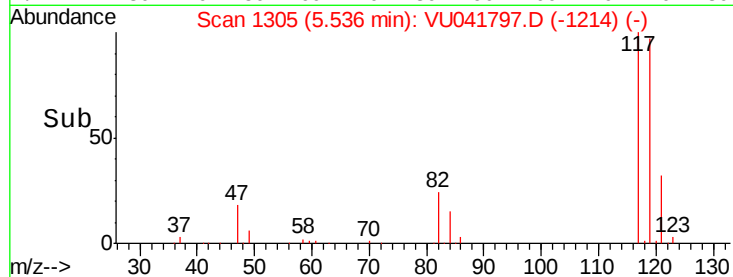
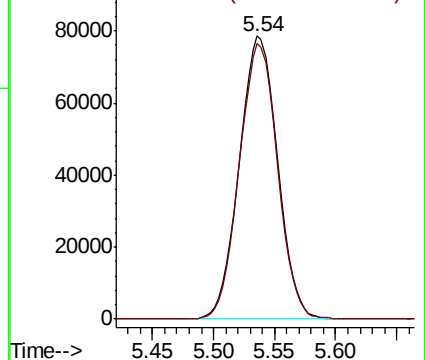
117 100

119 97.1 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.309 ug/L

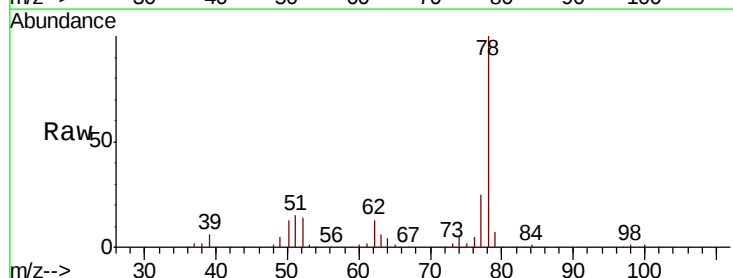
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

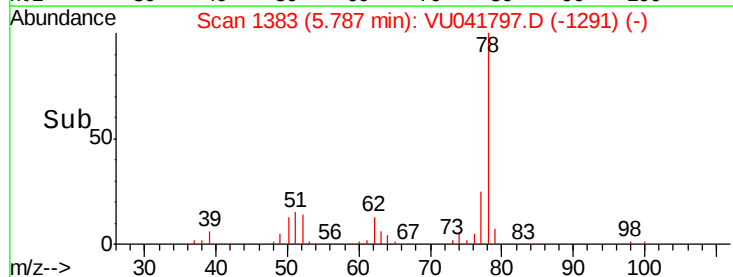
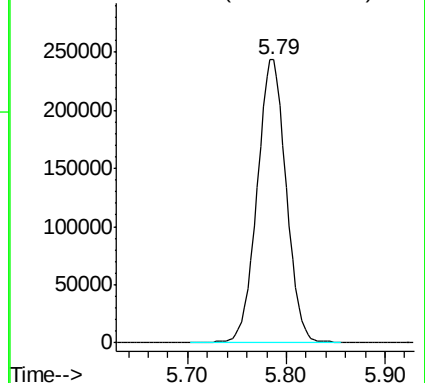
Lab File: VU041797.D

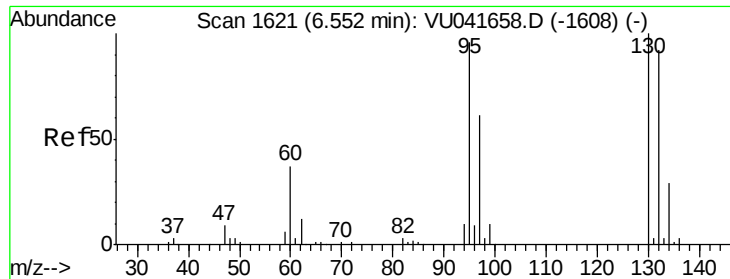
Acq: 24 Dec 2020 09:06

Tgt Ion: 78 Resp: 494598



Abundance Ion 78.00 (77.70 to 78.70): VU0

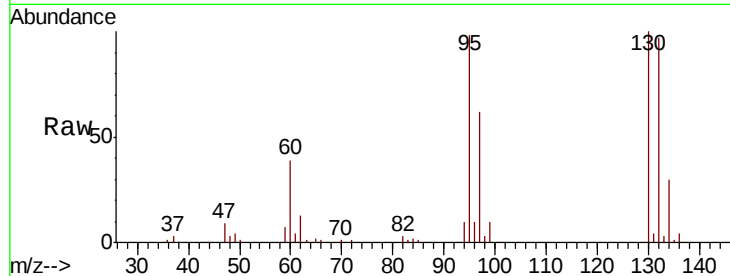




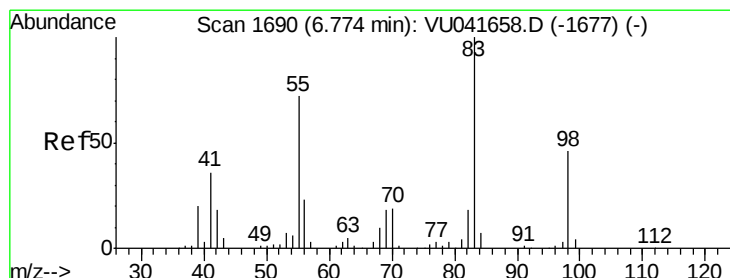
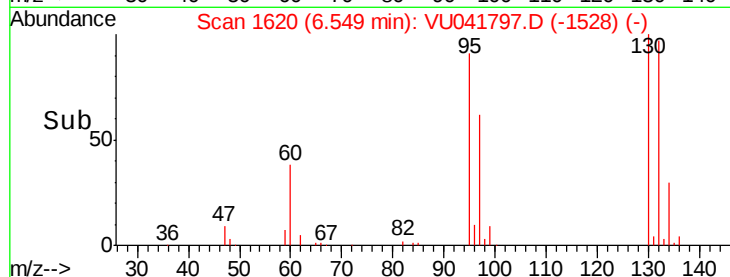
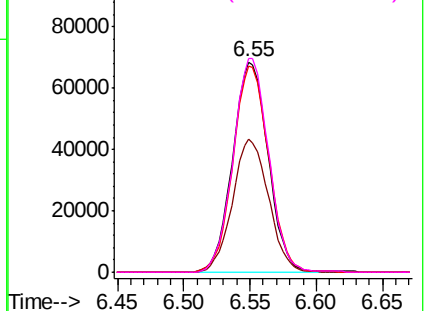
#34
 Trichloroethene
 Concen: 48.042 ug/L
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050207

Tot Ion:	95	Resp:	127439
Ion	Ratio	Lower	Upper
95	100		
97	63.0	44.5	82.7
132	98.0	66.7	123.9
130	101.5	72.5	134.7

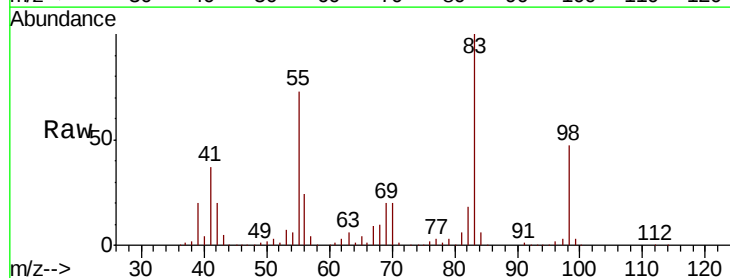


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

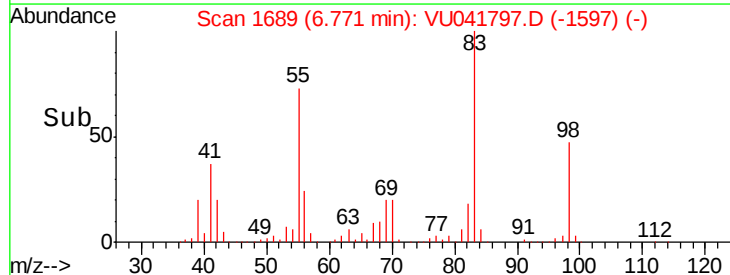
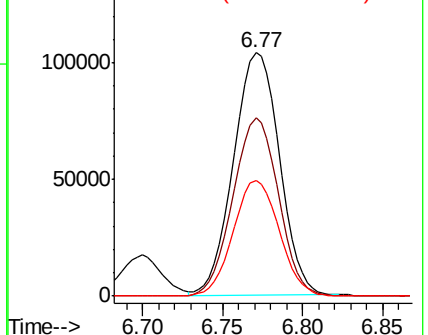


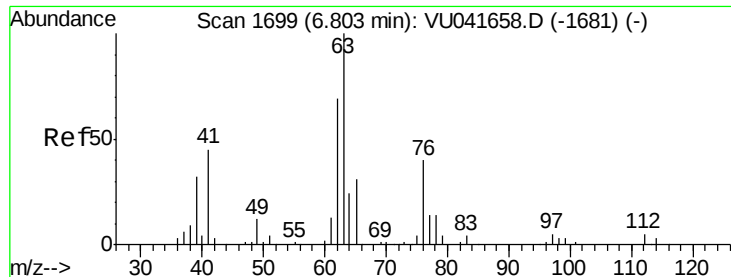
#35
 Methylcyclohexane
 Concen: 48.617 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

Tgt Ion:	83	Resp:	204470
Ion	Ratio	Lower	Upper
83	100		
55	72.9	57.8	86.6
98	47.6	37.7	56.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

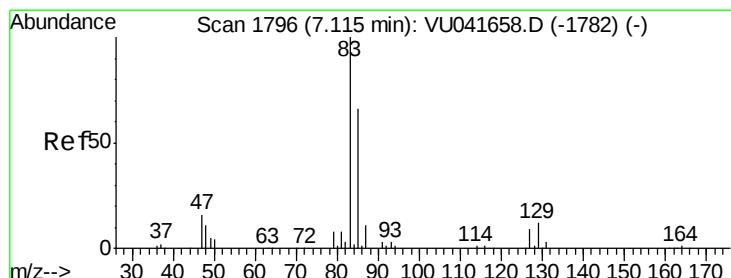
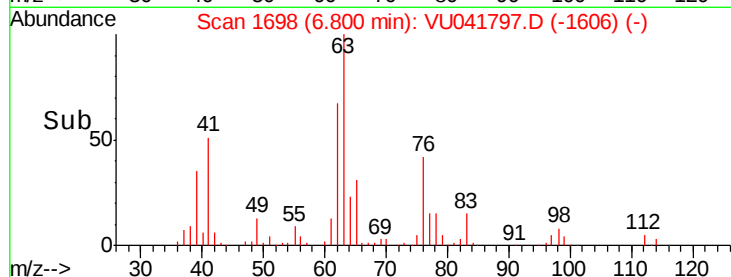
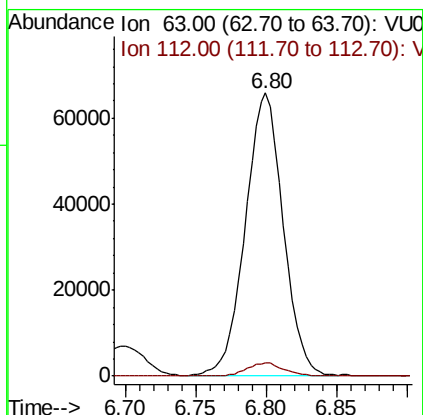
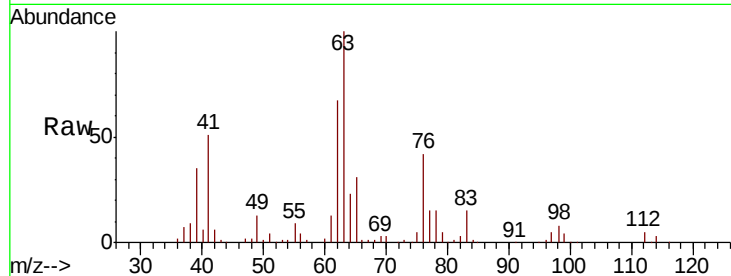




#37
 1,2-Dichloropropane
 Concen: 47.759 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

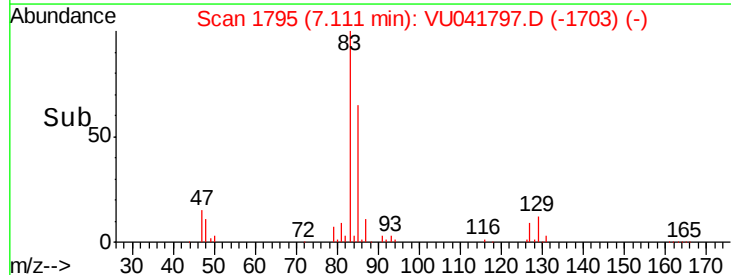
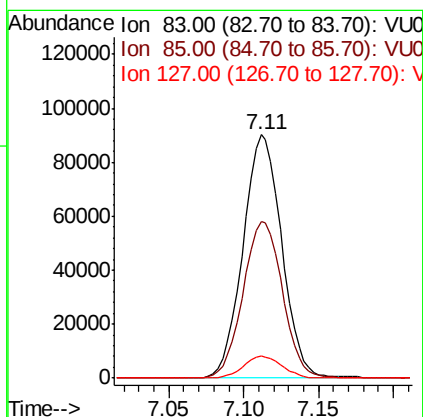
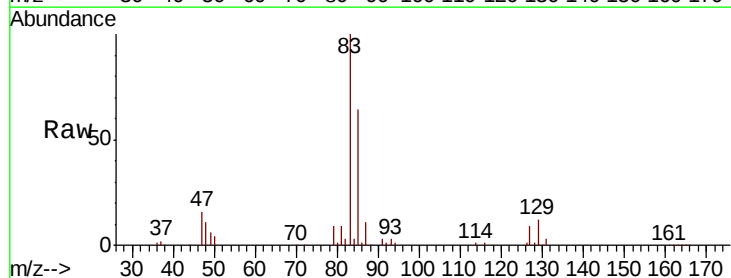
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050207

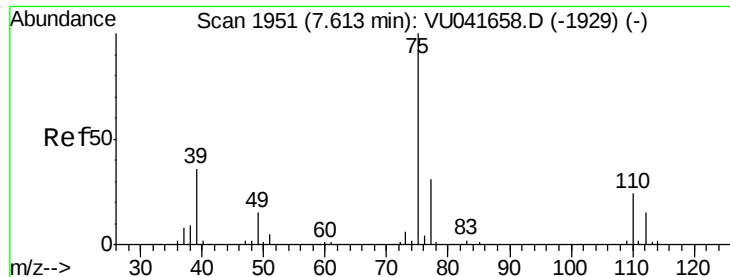
Tot Ion: 63 Resp: 122829
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 46.595 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

Tgt Ion: 83 Resp: 162248
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.9 85.3
 127 9.0 7.5 11.3

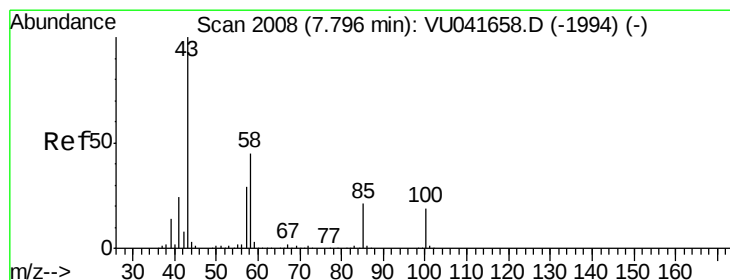
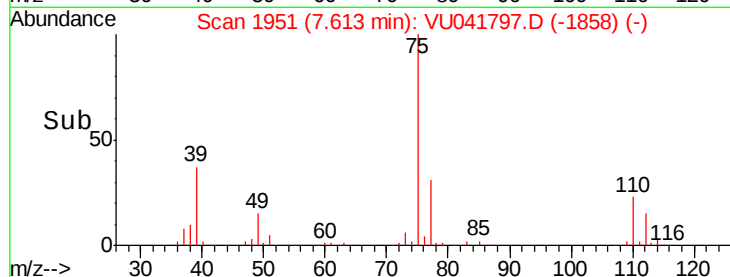
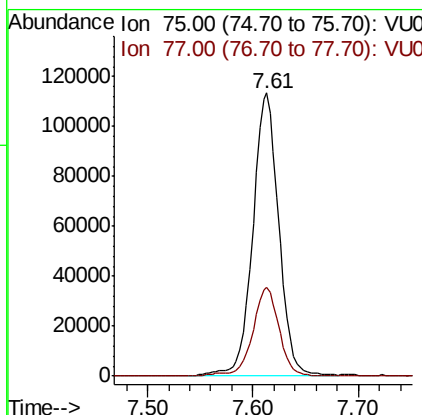
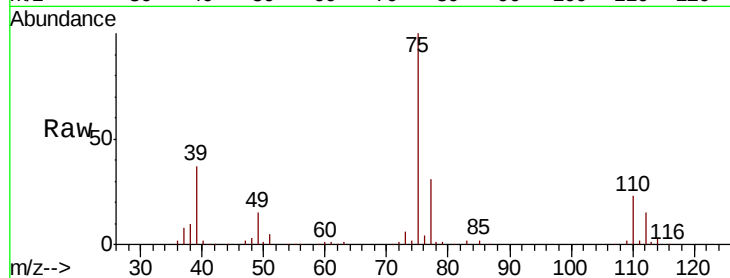




#39
 cis-1,3-Dichloropropene
 Concen: 47.667 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

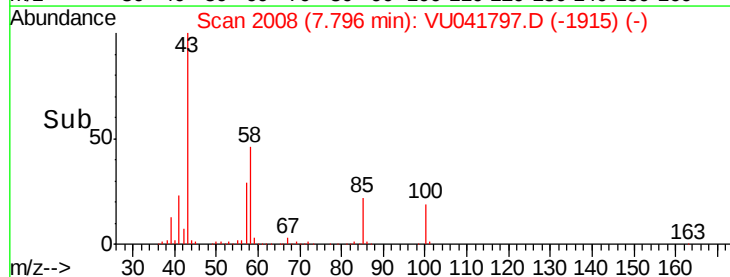
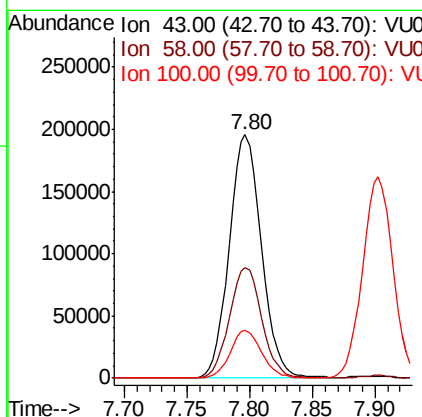
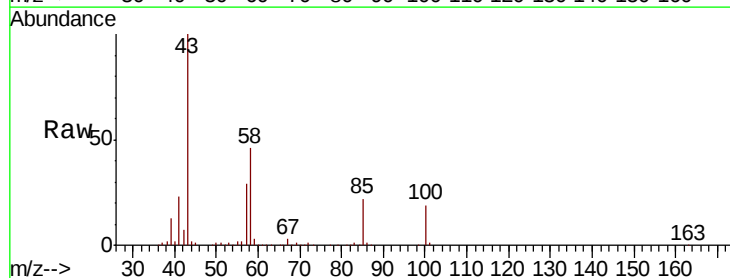
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050207

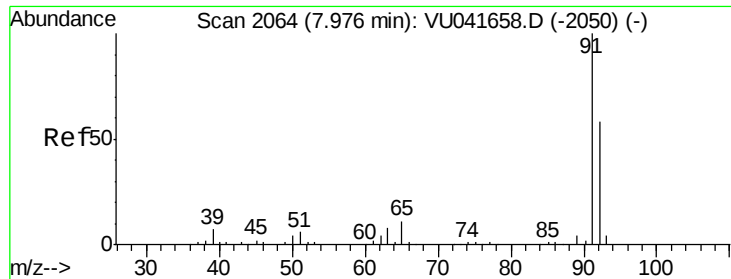
Tot Ion: 75 Resp: 195384
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 92.565 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

Tgt Ion: 43 Resp: 349552
 Ion Ratio Lower Upper
 43 100
 58 45.8 36.1 54.1
 100 19.1 14.9 22.3





#42

Toluene

Concen: 49.280 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

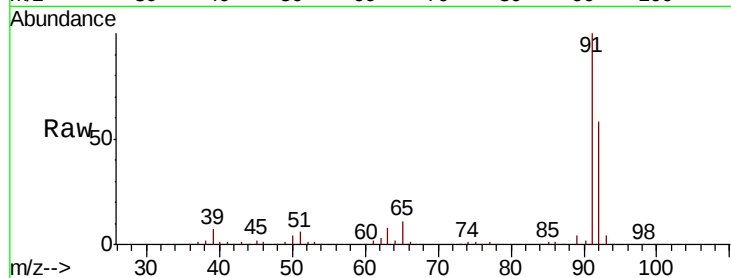
VSTD050207

Tot Ion: 91 Resp: 532729

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU041658.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU041658.D (-2050) (-)

7.97

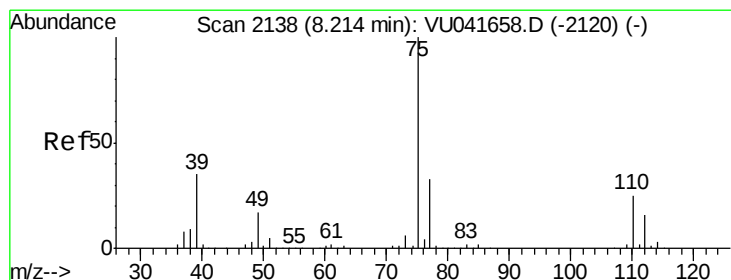
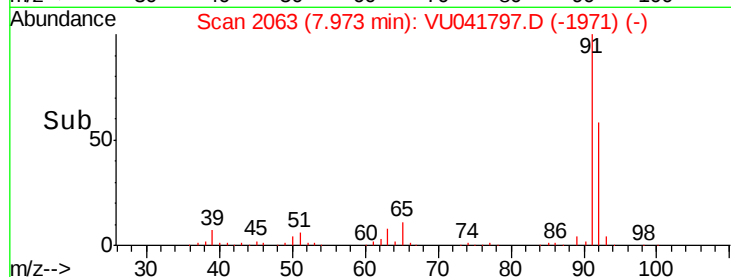
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.235 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041797.D

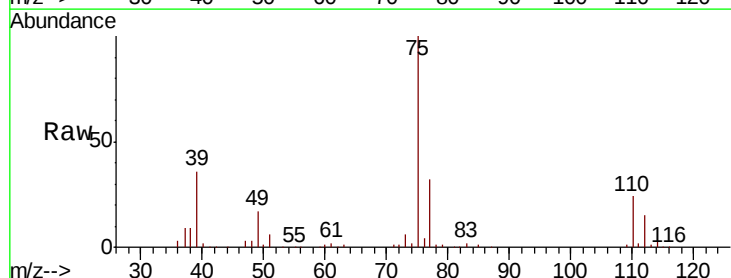
Acq: 24 Dec 2020 09:06

Tgt Ion: 75 Resp: 191613

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VU041658.D (-2120) (-)

Ion 77.00 (76.70 to 77.70): VU041658.D (-2120) (-)

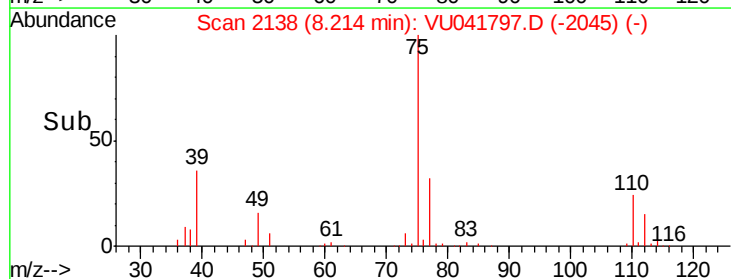
8.21

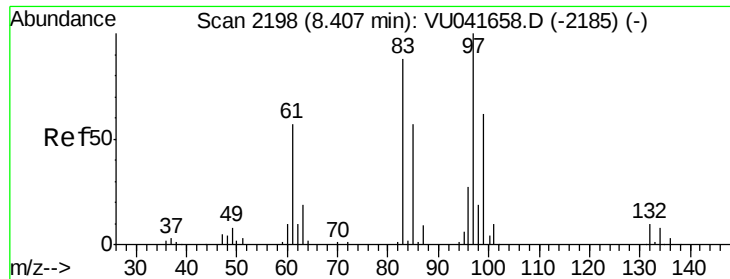
100000

50000

0

Time-->

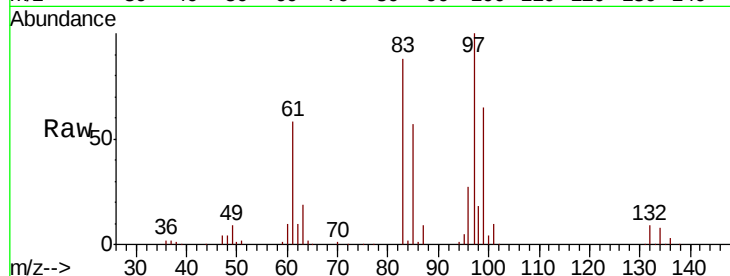




#45
1,1,2-Trichloroethane
Concen: 47.471 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD050207

Tot Ion:	97	Resp:	123516
Ion	Ratio	Lower	Upper
97	100		
99	65.2	43.3	80.3
83	88.1	61.4	114.0
85	56.8	40.0	74.4



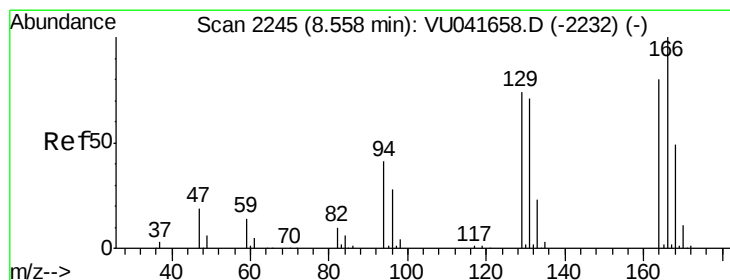
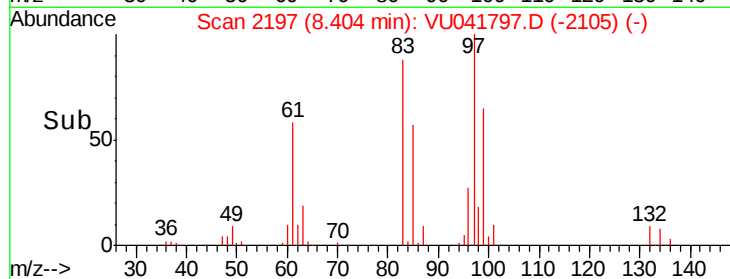
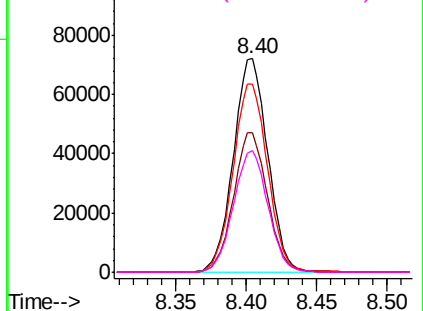
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

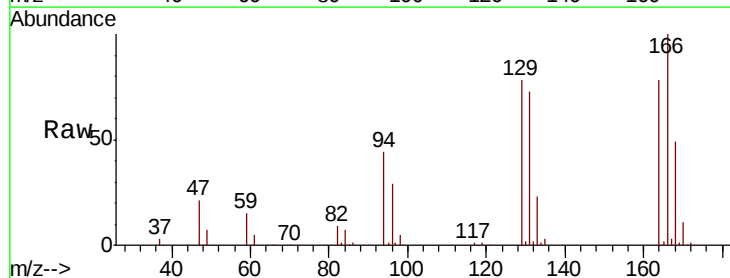
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 48.790 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

Tgt Ion:	164	Resp:	100450
Ion	Ratio	Lower	Upper
164	100		
129	100.2	64.5	119.9
131	93.5	62.5	116.1
166	128.1	87.5	162.5



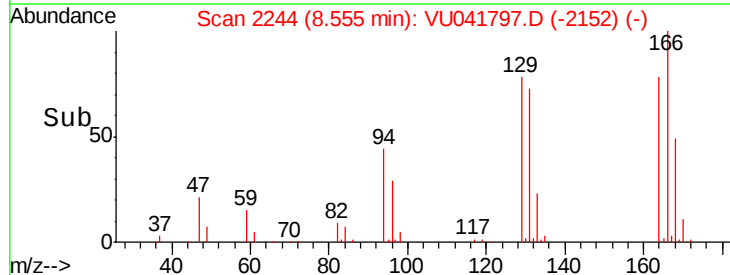
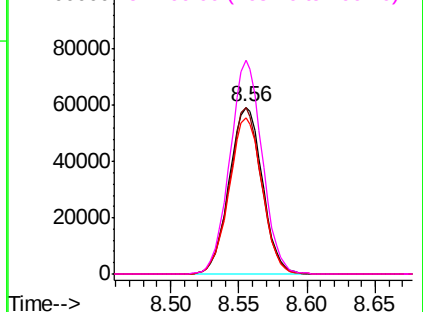
Abundance

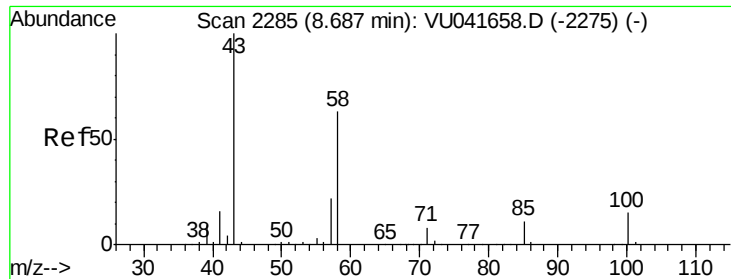
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

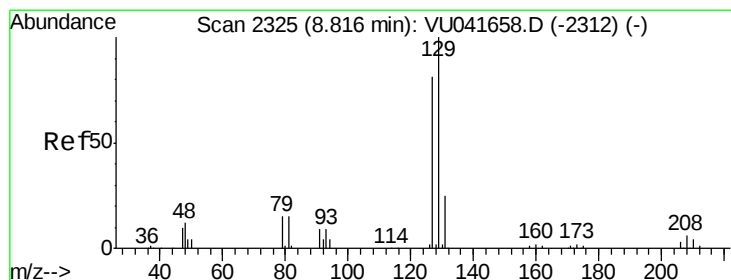
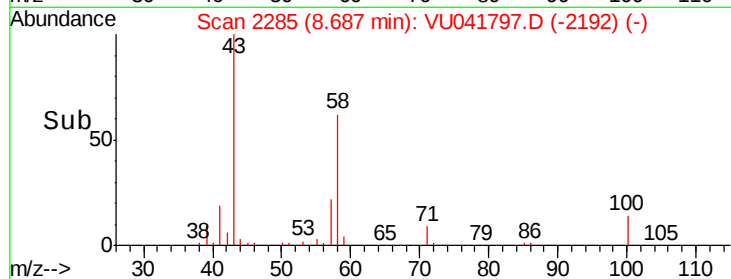
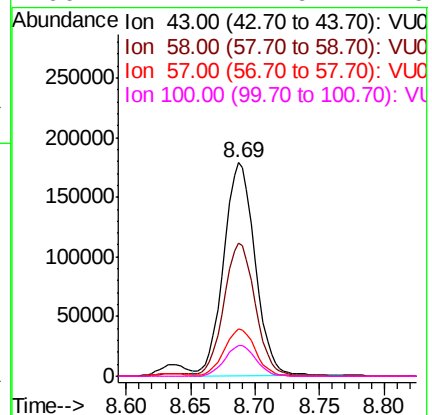
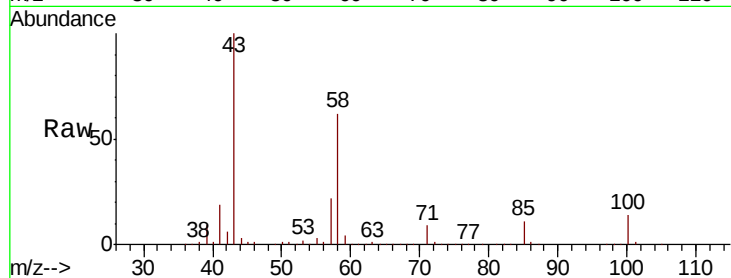




#48
2-Hexanone
Concen: 98.480 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

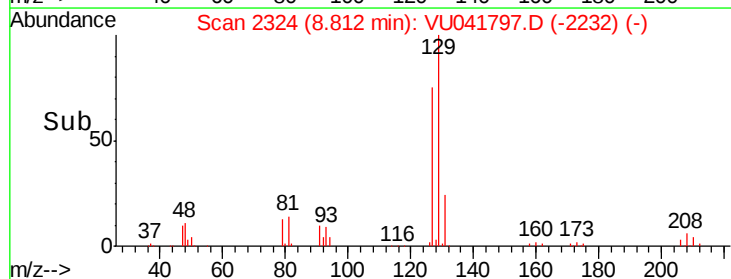
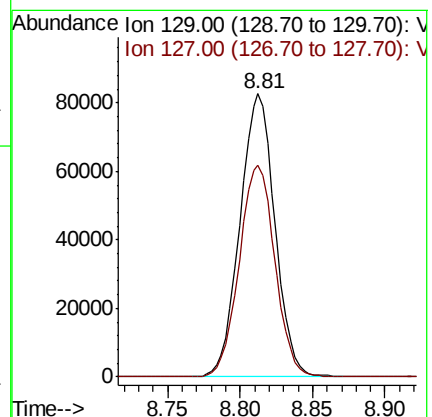
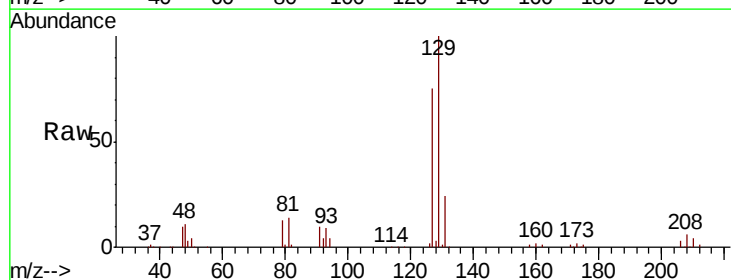
Instrument :
MSVOA_U
ClientSampleId :
VSTD050207

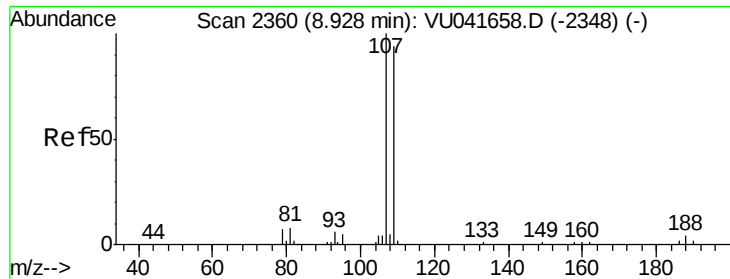
Tot Ion:	43	Resp:	302163
Ion	Ratio	Lower	Upper
43	100		
58	61.8	50.4	75.6
57	22.3	17.9	26.9
100	14.4	11.9	17.9



#49
Dibromochloromethane
Concen: 49.092 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

Tgt Ion:	129	Resp:	138315
Ion	Ratio	Lower	Upper
129	100		
127	75.0	56.6	105.2

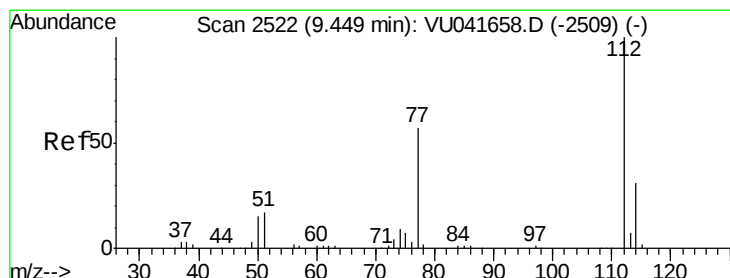
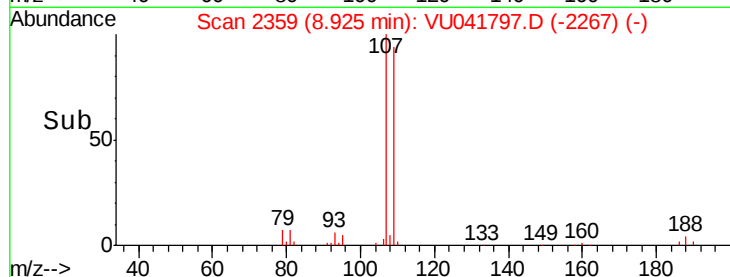
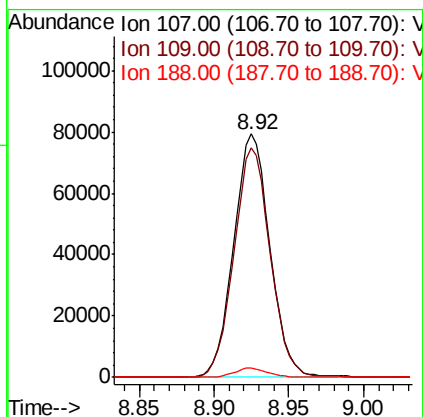
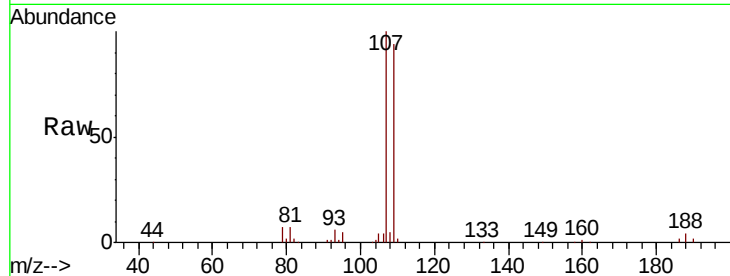




#50
 1,2-Dibromoethane
 Concen: 49.259 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

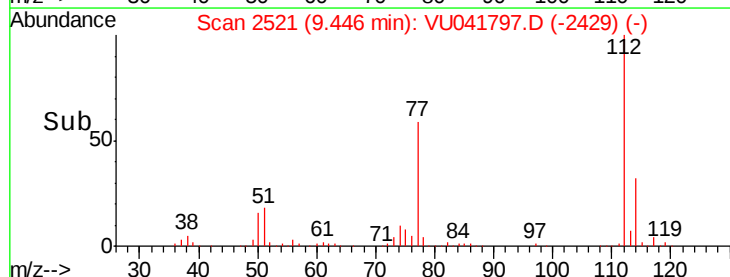
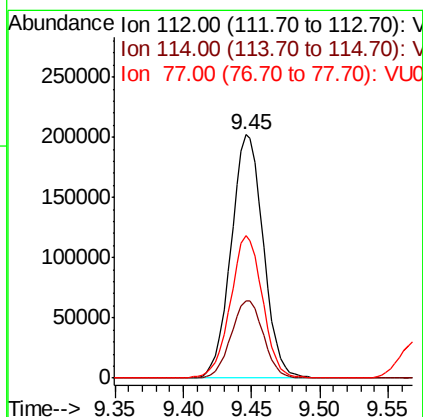
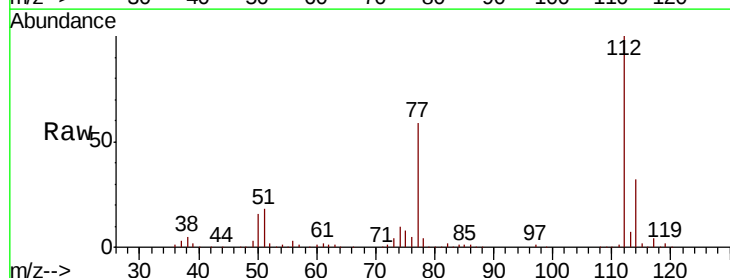
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050207

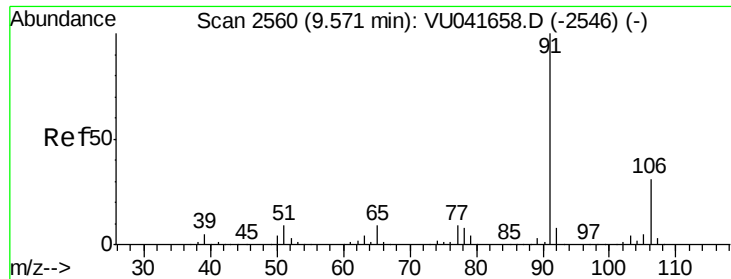
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.7	122.1
188	4.0	2.9	4.3



#51
 Chlorobenzene
 Concen: 48.020 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.0	41.0
77	58.6	46.0	69.0

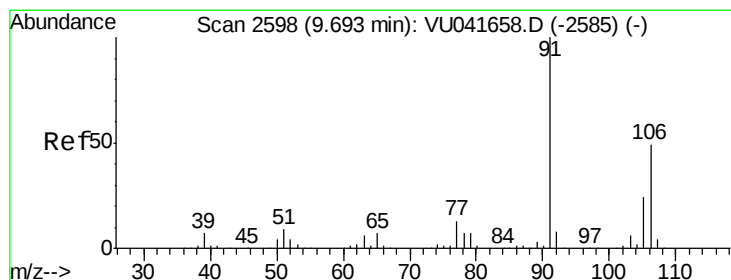
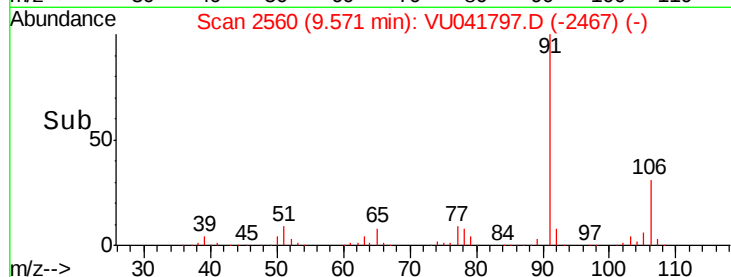
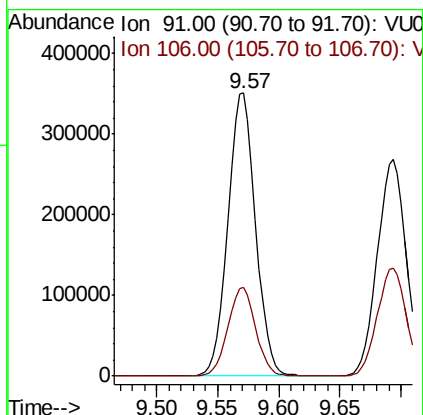
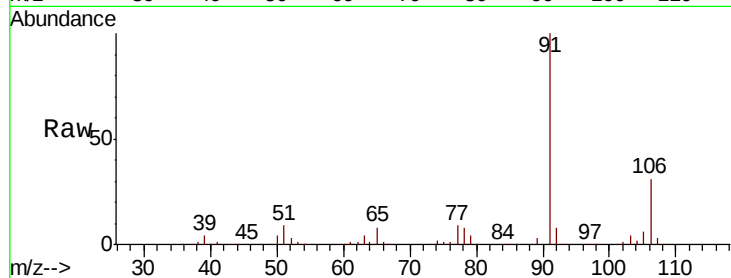




#52
Ethylbenzene
Concen: 48.913 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

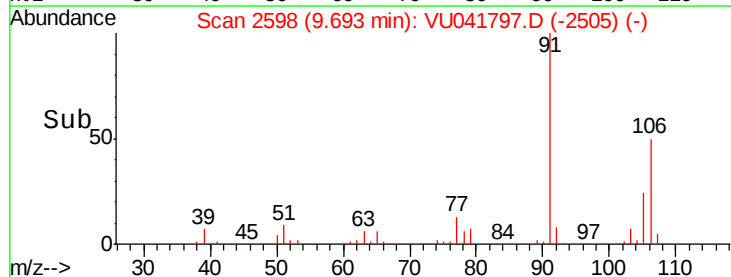
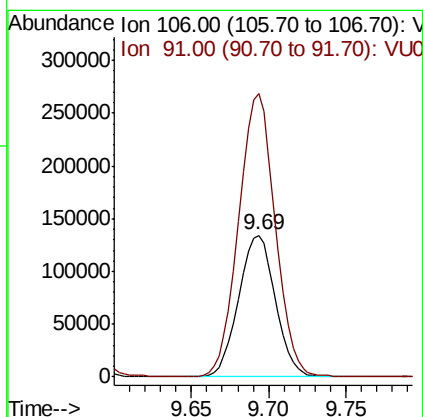
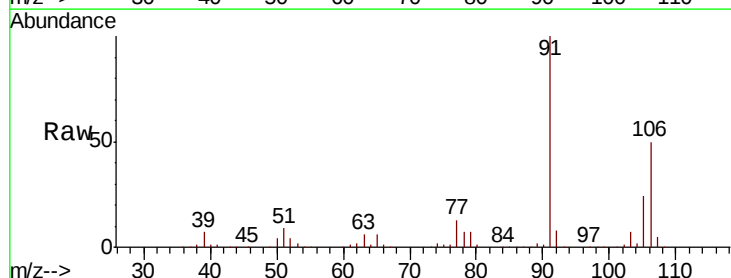
Instrument :
MSVOA_U
ClientSampleId :
VSTD050207

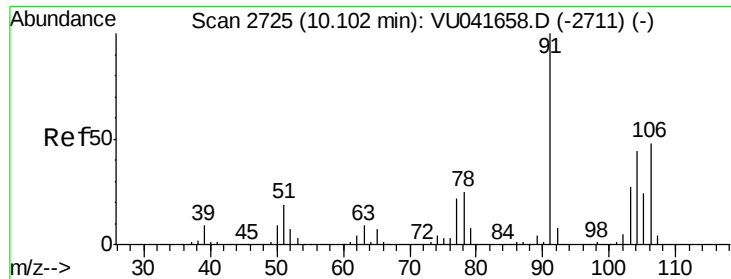
Tot Ion: 91 Resp: 556505
Ion Ratio Lower Upper
91 100
106 31.2 21.5 39.9



#53
m,p-Xylene
Concen: 50.439 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041797.D
Acq: 24 Dec 2020 09:06

Tgt Ion: 106 Resp: 220510
Ion Ratio Lower Upper
106 100
91 200.0 143.2 266.0





#54

o-xylene

Concen: 50.350 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

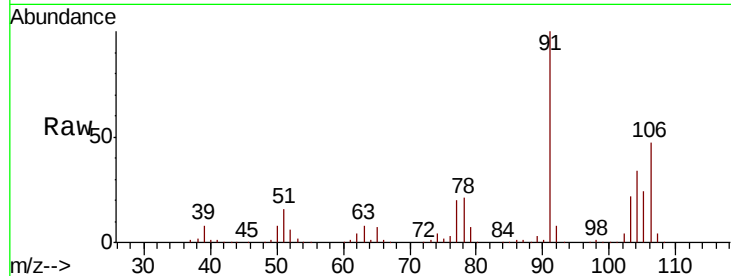
VSTD050207

Tot Ion:106 Resp: 214896

Ion Ratio Lower Upper

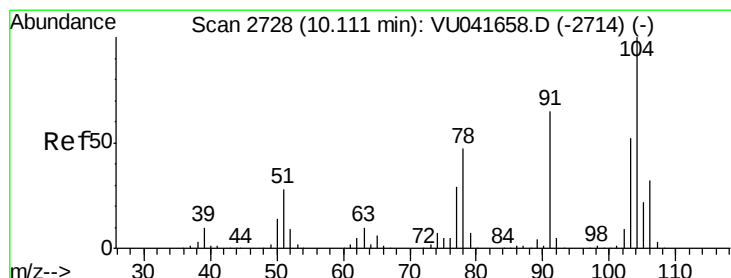
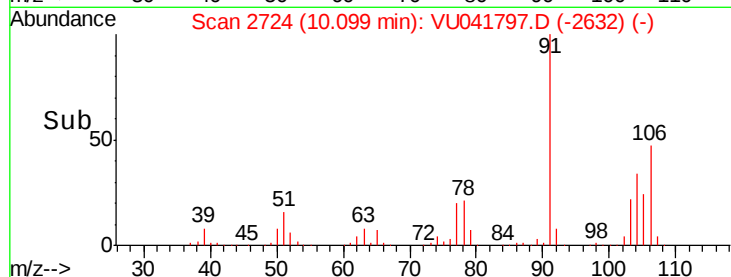
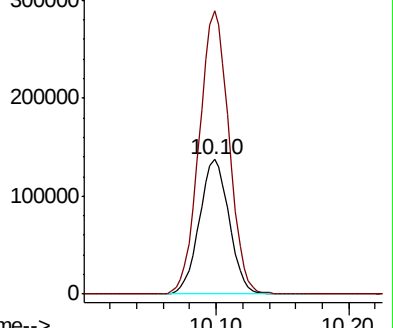
106 100

91 210.5 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.599 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU041797.D

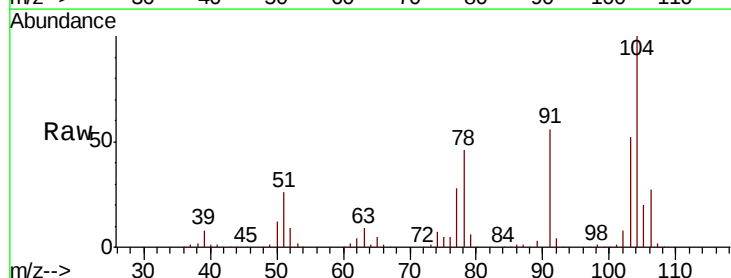
Acq: 24 Dec 2020 09:06

Tgt Ion:104 Resp: 367334

Ion Ratio Lower Upper

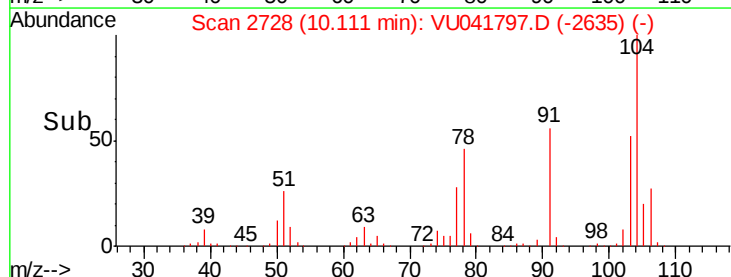
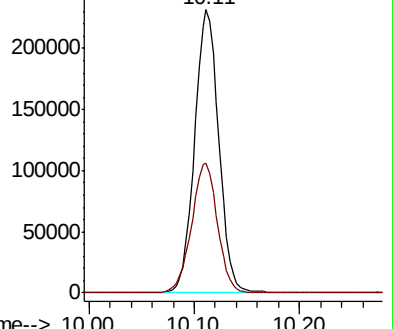
104 100

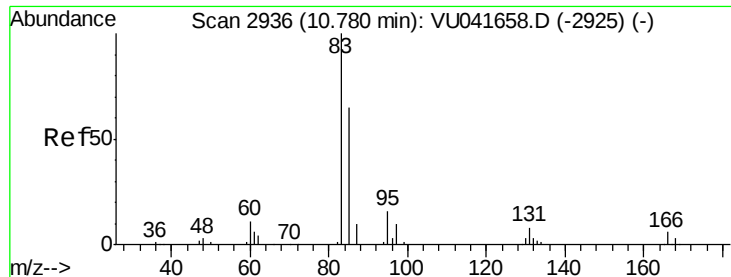
78 45.7 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

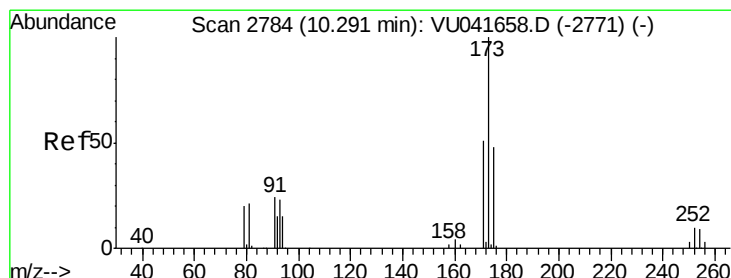
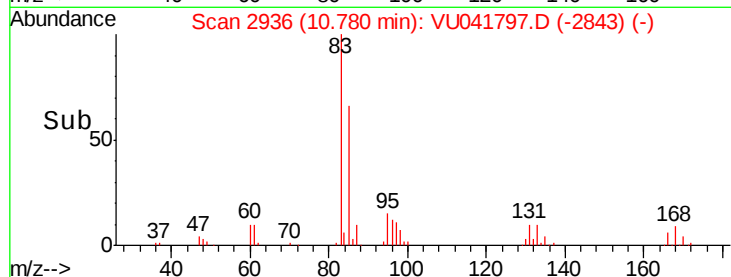
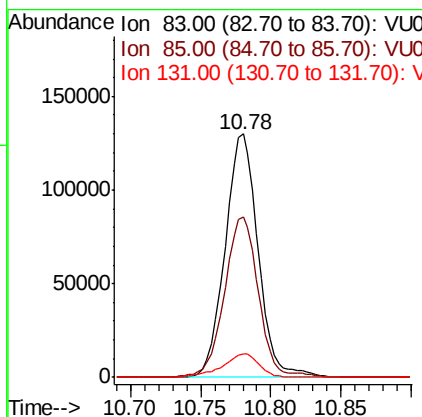
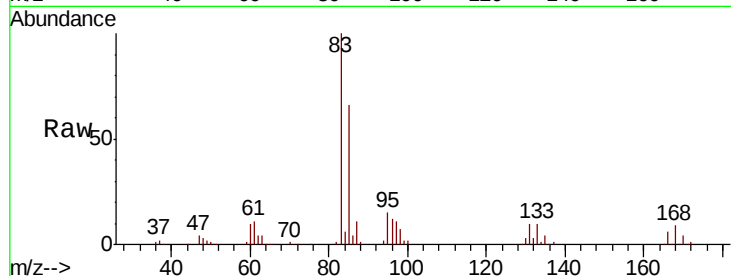




#57
 1,1,2,2-Tetrachloroethane
 Concen: 47.486 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

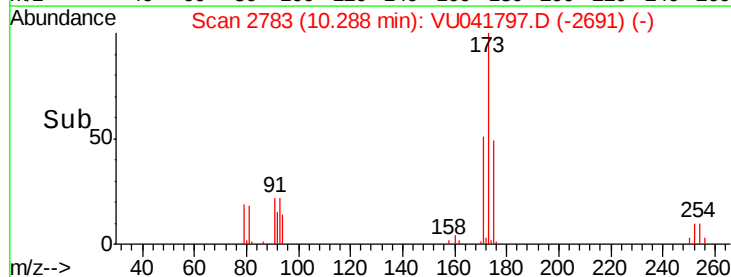
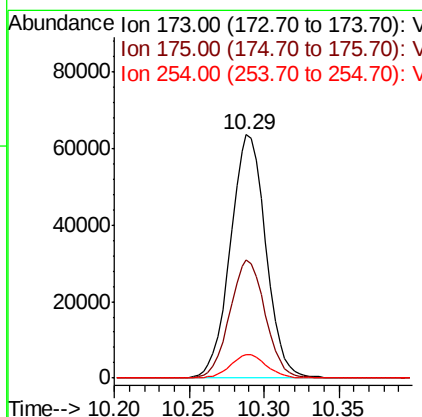
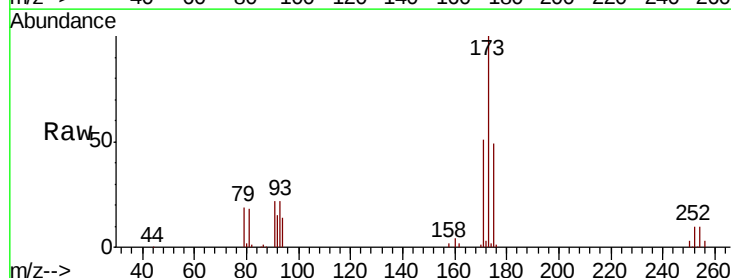
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050207

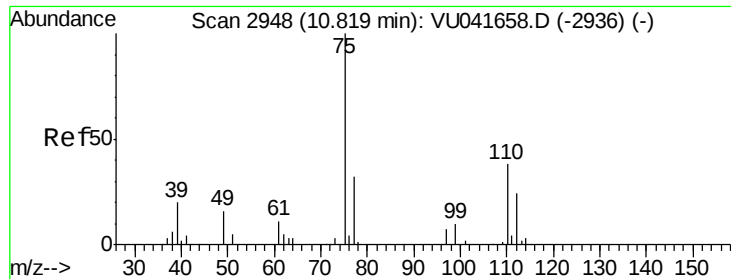
Tot Ion: 83 Resp: 212409
 Ion Ratio Lower Upper
 83 100
 85 66.0 46.1 85.7
 131 9.8 7.5 11.3



#59
 Bromoform
 Concen: 48.457 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

Tgt Ion: 173 Resp: 105186
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.3 57.5
 254 9.8 7.6 11.4

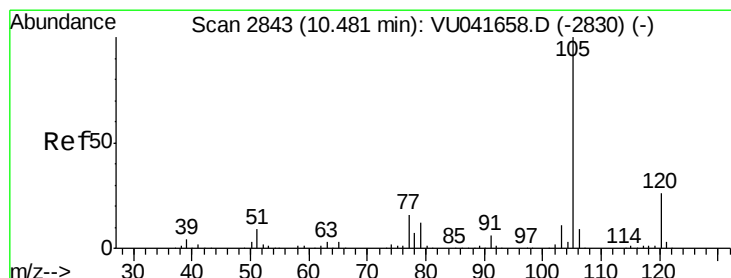
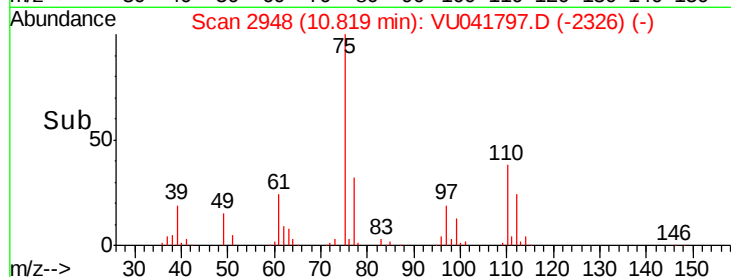
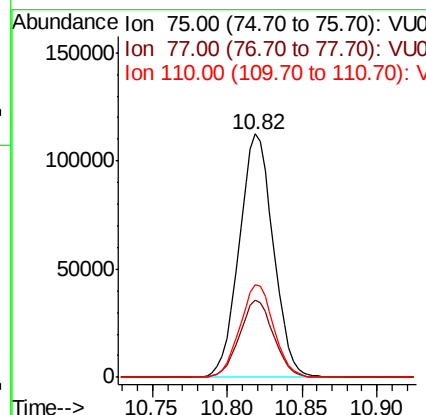
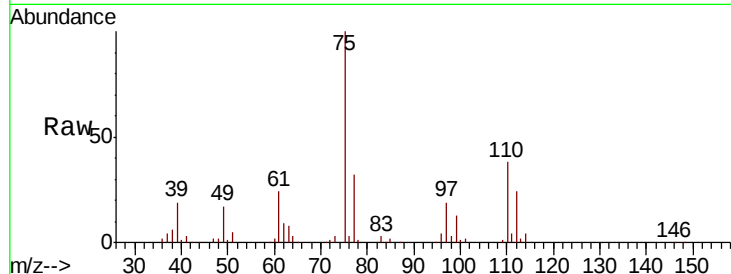




#60
 1,2,3-Trichloropropane
 Concen: 47.875 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

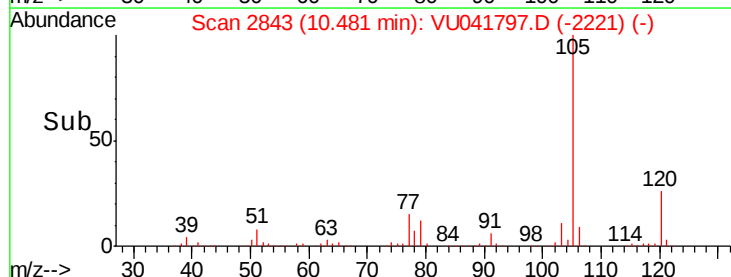
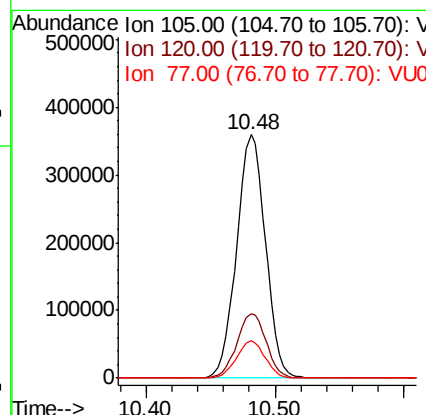
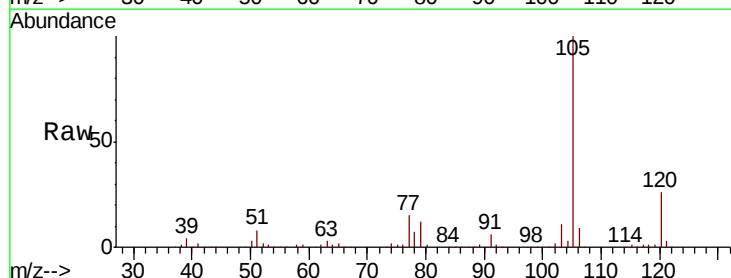
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050207

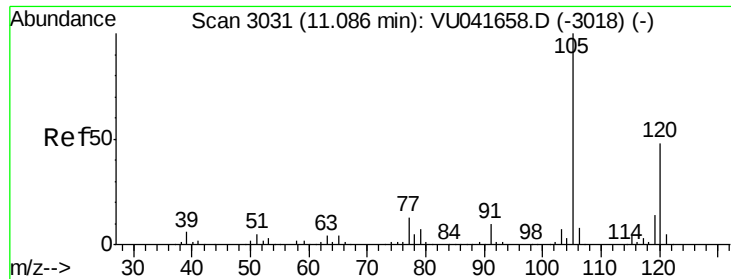
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
110	37.8	30.5	45.7



#61
 Isopropylbenzene
 Concen: 49.888 ug/L
 RT: 10.48 min Scan# 2843
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	20.7	31.1
77	15.4	12.6	18.8





#62

1,3,5-Trimethylbenzene

Concen: 50.469 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

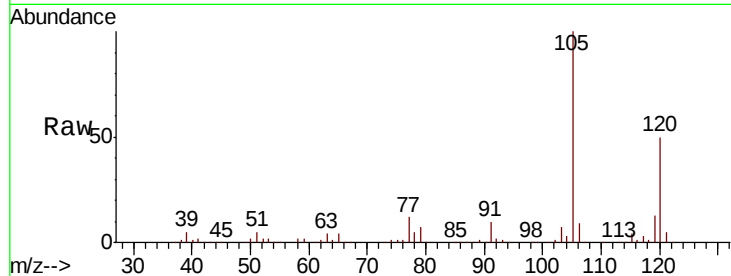
VSTD050207

Tot Ion:105 Resp: 468766

Ion Ratio Lower Upper

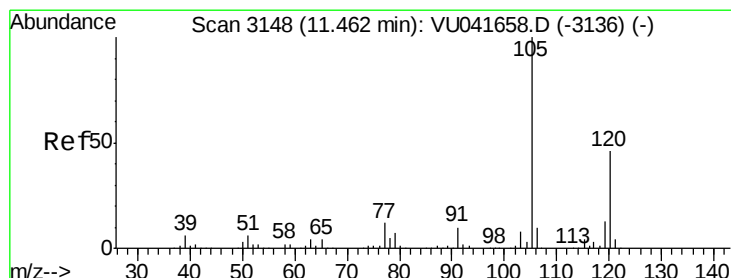
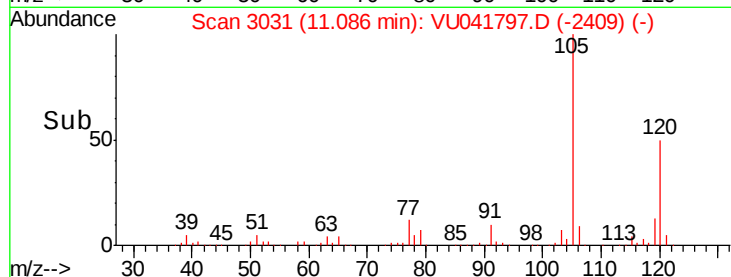
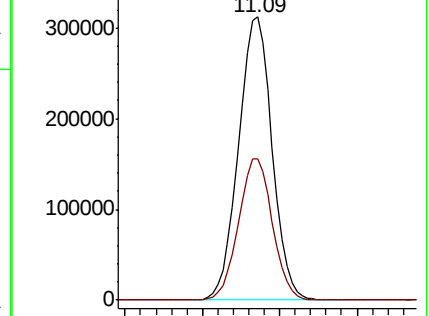
105 100

120 50.4 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 51.858 ug/L

RT: 11.46 min Scan# 3148

Delta R.T. -0.00 min

Lab File: VU041797.D

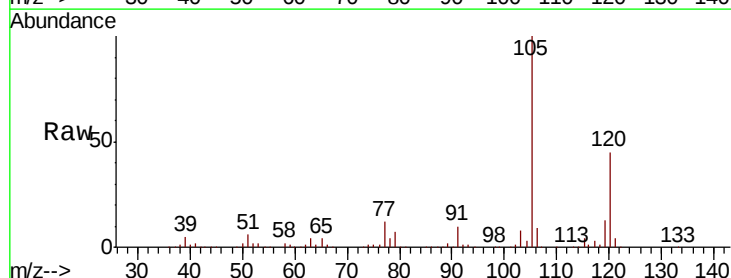
Acq: 24 Dec 2020 09:06

Tgt Ion:105 Resp: 487980

Ion Ratio Lower Upper

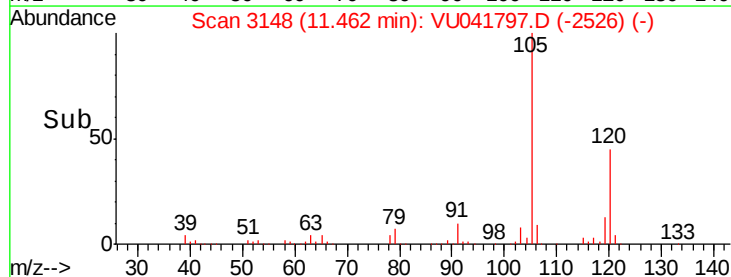
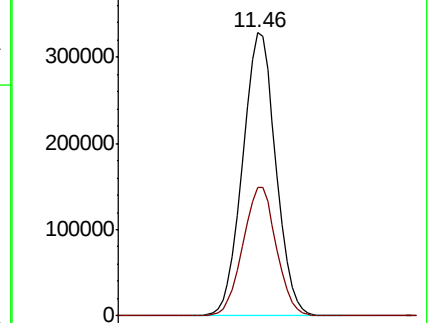
105 100

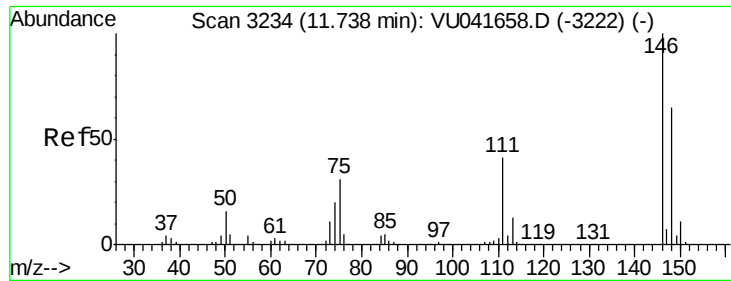
120 46.0 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

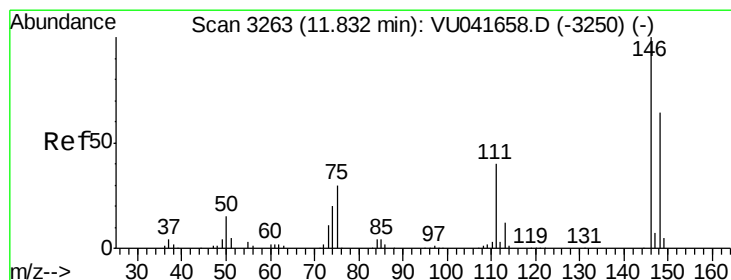
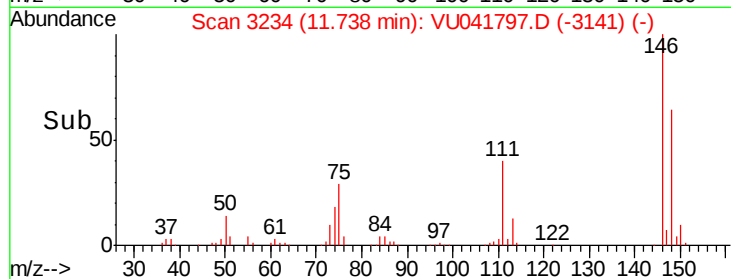
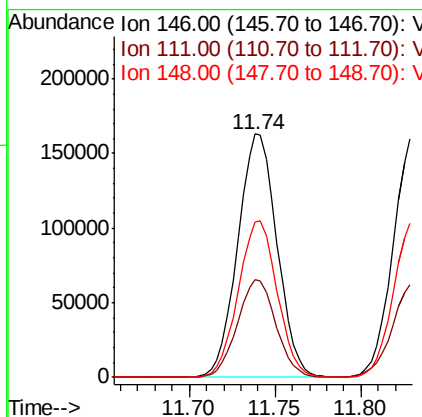
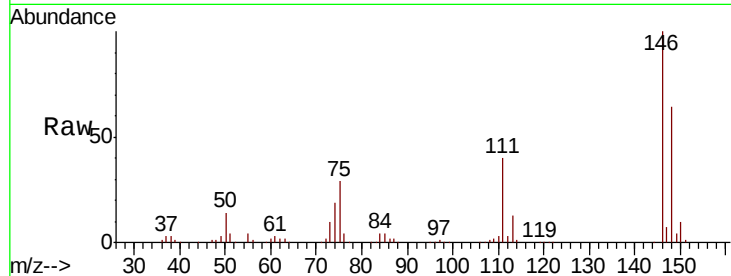




#64
 1,3-Dichlorobenzene
 Concen: 48.229 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

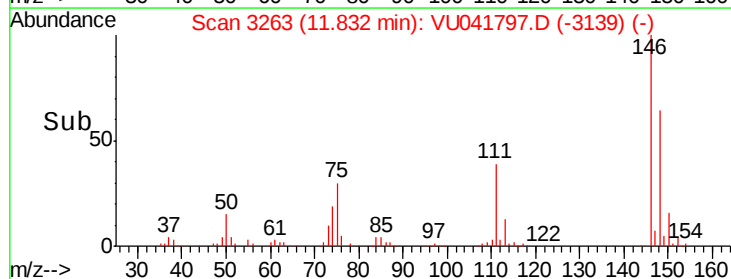
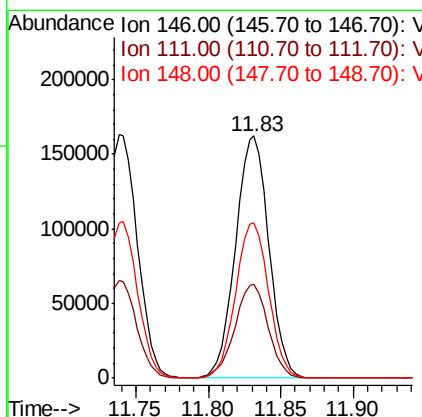
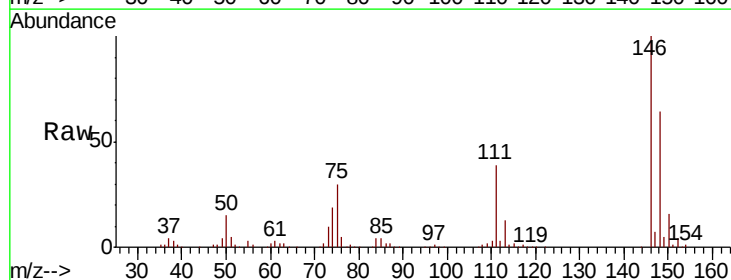
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050207

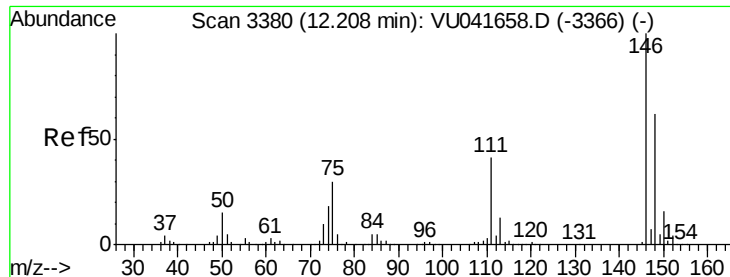
Tot Ion:146 Resp: 258109
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.7 53.3
 148 63.8 45.5 84.5



#65
 1,4-Dichlorobenzene
 Concen: 47.860 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

Tgt Ion:146 Resp: 258212
 Ion Ratio Lower Upper
 146 100
 111 38.6 28.1 52.1
 148 64.4 44.8 83.2

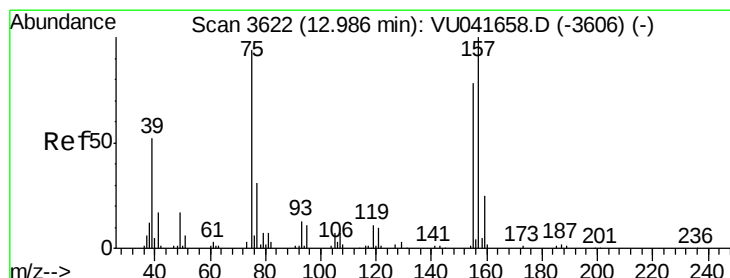
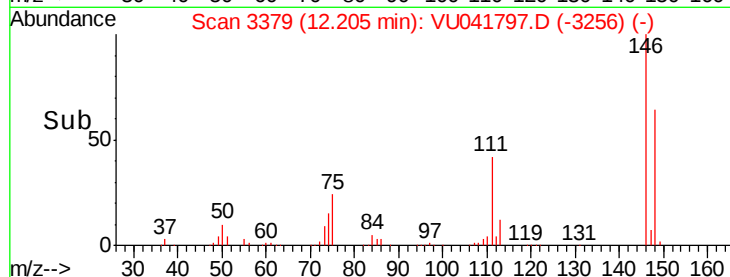
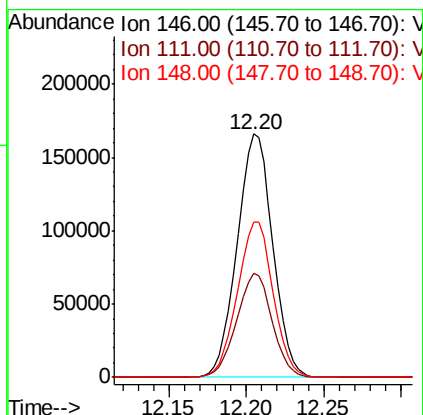
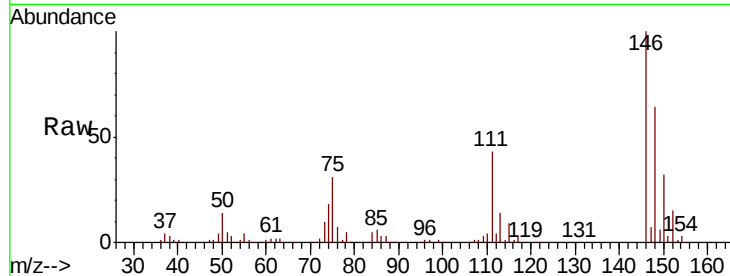




#67
 1,2-Dichlorobenzene
 Concen: 48.199 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

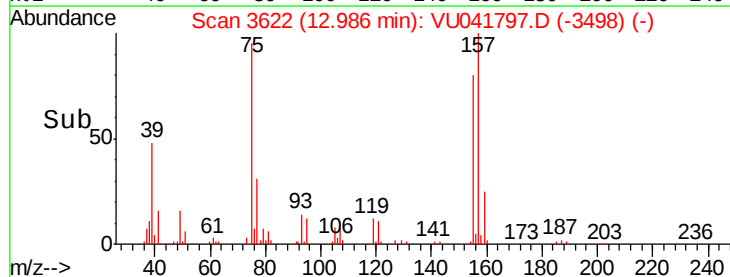
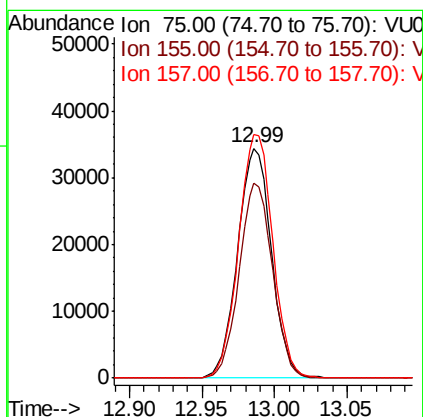
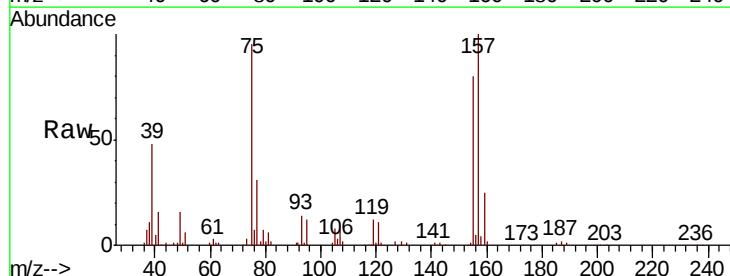
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050207

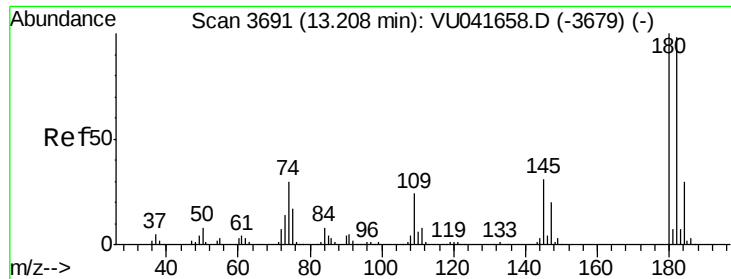
Tot Ion:146 Resp: 265981
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.0 49.6
 148 63.7 50.0 75.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 47.936 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

Tgt Ion: 75 Resp: 55805
 Ion Ratio Lower Upper
 75 100
 155 85.0 66.8 100.2
 157 105.8 85.5 128.3

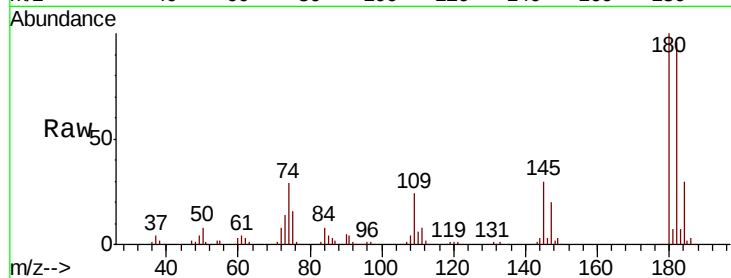




#69
 1,3,5-Trichlorobenzene
 Concen: 47.064 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050207

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.1	115.7
184	30.4	23.9	35.9
145	30.2	23.8	35.6



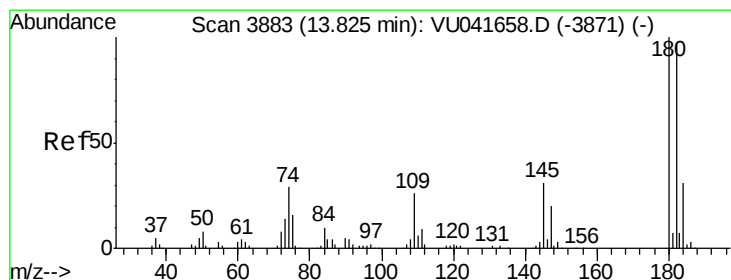
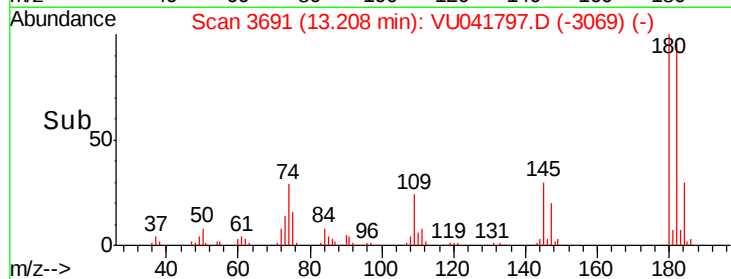
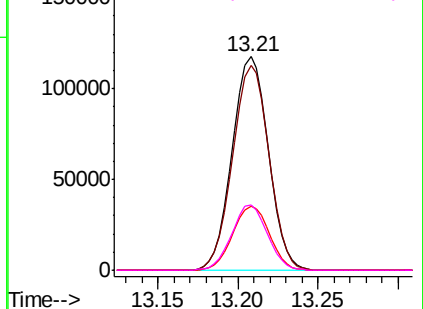
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

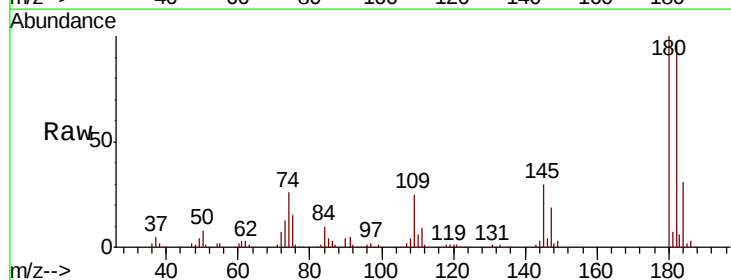
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 47.400 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041797.D
 Acq: 24 Dec 2020 09:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.9	113.9
145	30.5	24.1	36.1

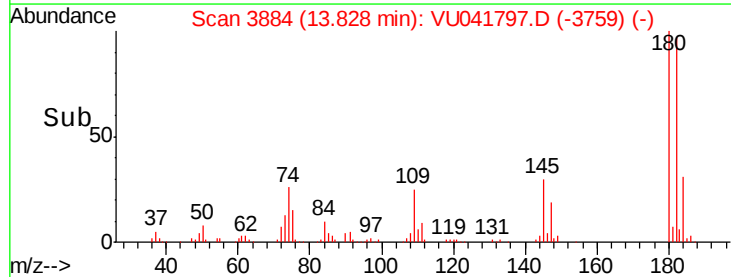
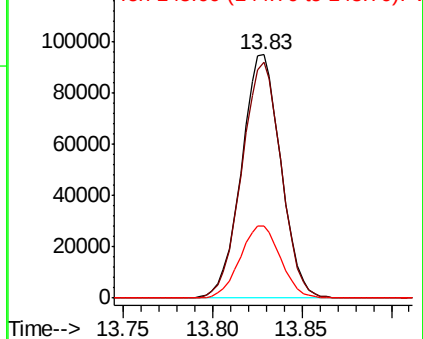


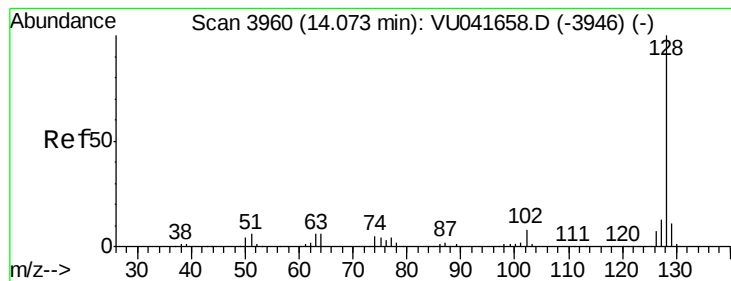
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 50.032 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050207

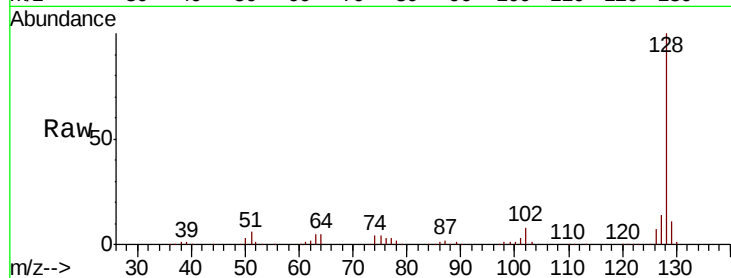
Tot Ion:128 Resp: 501942

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

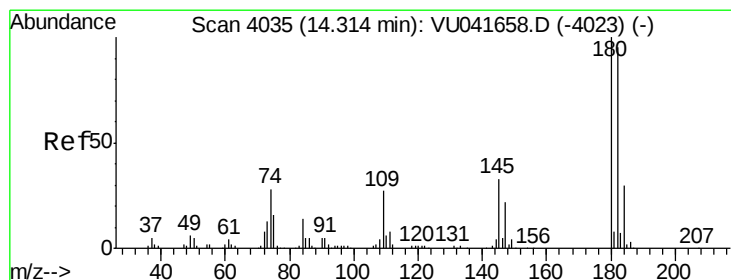
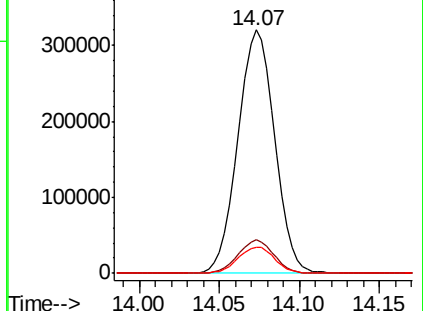
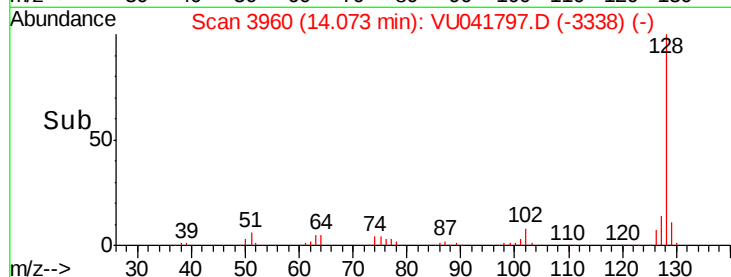
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 50.284 ug/L

RT: 14.31 min Scan# 4035

Delta R.T. -0.00 min

Lab File: VU041797.D

Acq: 24 Dec 2020 09:06

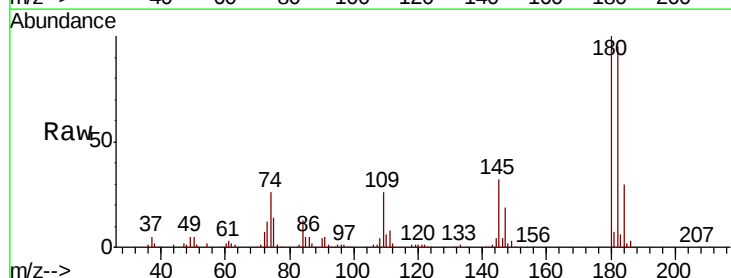
Tgt Ion:180 Resp: 156821

Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.6

145 32.4 26.2 39.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

