

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
 Data File : VU036495.D
 Acq On : 16 Jan 2020 10:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Jan 16 14:14:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 06:52:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	607199	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	572270	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	283937	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	185379	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.18%
7) Chloroethane-d5	1.93	69	162340	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.28%
11) 1,1-Dichloroethene-d2	2.59	63	365270	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.64%
21) 2-Butanone-d5	4.67	46	307929	90.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.98%
24) Chloroform-d	5.11	84	383931	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
26) 1,2-Dichloroethane-d4	5.74	65	248853	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.52%
32) Benzene-d6	5.77	84	725259	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
36) 1,2-Dichloropropane-d6	6.73	67	235879	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.92%
41) Toluene-d8	7.93	98	693735	49.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.02%
43) trans-1,3-Dichloropropene-	8.21	79	126735	48.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.66%
47) 2-Hexanone-d5	8.66	63	248981	99.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.82%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	362589	49.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.04%
64) 1,2-Dichlorobenzene-d4	12.21	152	271778	48.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	268760	47.762 ug/L	99
3) Chloromethane	1.54	50	242960	47.949 ug/L	98
5) Vinyl chloride	1.62	62	238128	47.348 ug/L	99
6) Bromomethane	1.87	94	156162	51.060 ug/L	95
8) Chloroethane	1.95	64	144715	48.641 ug/L	96
9) Trichlorofluoromethane	2.16	101	341489	49.852 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	189662	52.368 ug/L	99
12) 1,1-Dichloroethene	2.60	96	177374	49.425 ug/L	92
13) Acetone	2.66	43	304661	83.171 ug/L	100
14) Carbon disulfide	2.82	76	564230	48.610 ug/L	99
15) Methyl Acetate	2.98	43	228537	46.654 ug/L	100
16) Methylene chloride	3.08	84	206087	46.675 ug/L	94
17) trans-1,2-Dichloroethene	3.39	96	193615	49.209 ug/L	97
18) Methyl tert-butyl Ether	3.41	73	643244	47.974 ug/L	99
19) 1,1-Dichloroethane	3.91	63	357206	48.089 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	220730	48.930 ug/L	99
22) 2-Butanone	4.75	43	366252	88.106 ug/L	99

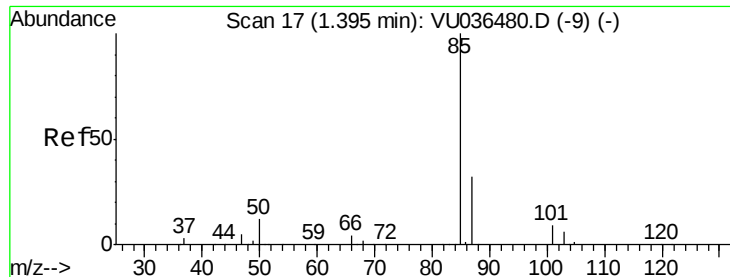
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011620\
 Data File : VU036495.D
 Acq On : 16 Jan 2020 10:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Jan 16 14:14:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 06:52:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	108322	49.705	ug/L	98
25) Chloroform	5.13	83	387292	48.890	ug/L	99
27) 1,2-Dichloroethane	5.84	62	307942	49.081	ug/L	99
29) Cyclohexane	5.43	56	341609	49.770	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	342193	50.347	ug/L	98
31) Carbon tetrachloride	5.57	117	299507	51.416	ug/L	97
33) Benzene	5.81	78	819856	49.858	ug/L	100
34) Trichloroethene	6.58	95	223414	50.316	ug/L	98
35) Methylcyclohexane	6.80	83	357141	52.243	ug/L	99
37) 1,2-Dichloropropane	6.83	63	210959	48.405	ug/L #	96
38) Bromodichloromethane	7.14	83	294628	49.122	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	354797	50.287	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	644015	91.858	ug/L	99
42) Toluene	8.00	91	902483	50.530	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	325909	49.865	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	206069	49.467	ug/L	97
46) Tetrachloroethene	8.58	164	158962	53.222	ug/L	97
48) 2-Hexanone	8.72	43	517435	93.316	ug/L	99
49) Dibromochloromethane	8.84	129	240458	51.893	ug/L	98
50) 1,2-Dibromoethane	8.95	107	232995	49.340	ug/L	98
51) Chlorobenzene	9.47	112	576940	51.371	ug/L	98
52) Ethylbenzene	9.60	91	1038009	52.034	ug/L	98
53) m,p-Xylene	9.72	106	391459	52.476	ug/L	99
54) o-xylene	10.12	106	378814	50.867	ug/L	96
55) Styrene	10.14	104	640758	53.051	ug/L	98
56) Isopropylbenzene	10.51	105	1013747	53.038	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	367672	50.754	ug/L #	97
59) 1,2,3-Trichloropropane	10.85	75	291813	48.555	ug/L	98
61) Bromoform	10.32	173	172975	44.733	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	450852	50.426	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	440276	49.007	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	433373	49.141	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	88231	45.495	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	298659	55.240	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	238545	59.871	ug/L	98
69) Naphthalene	14.10	128	812405	60.342	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	236516	57.221	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 47.762 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

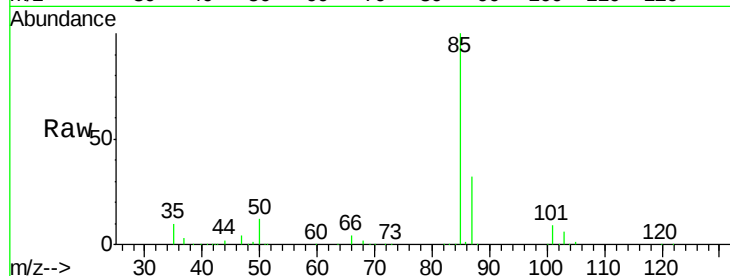
VSTD05043

Tgt Ion: 85 Resp: 268760

Ion Ratio Lower Upper

85 100

87 31.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036480.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036480.D (-9) (-)

1.39

250000

200000

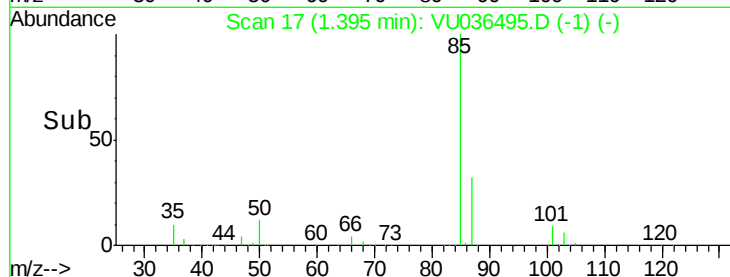
150000

100000

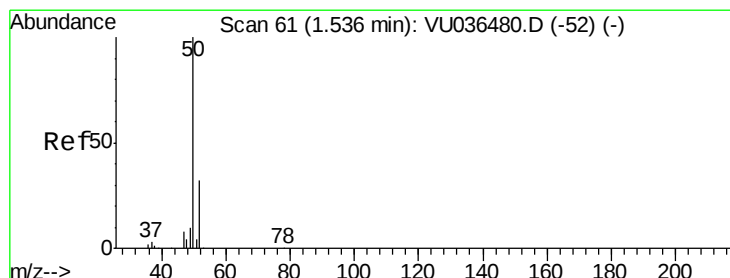
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 47.949 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036495.D

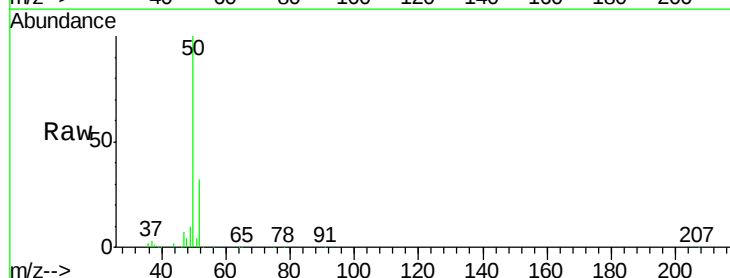
Acq: 16 Jan 2020 10:40

Tgt Ion: 50 Resp: 242960

Ion Ratio Lower Upper

50 100

52 31.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036480.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU036480.D (-52) (-)

1.54

250000

200000

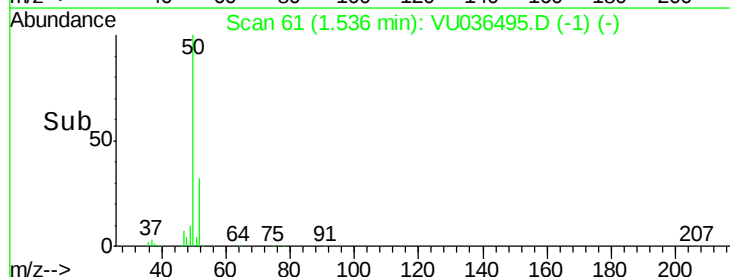
150000

100000

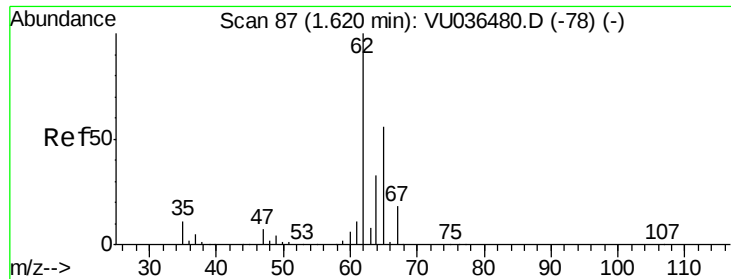
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 47.348 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

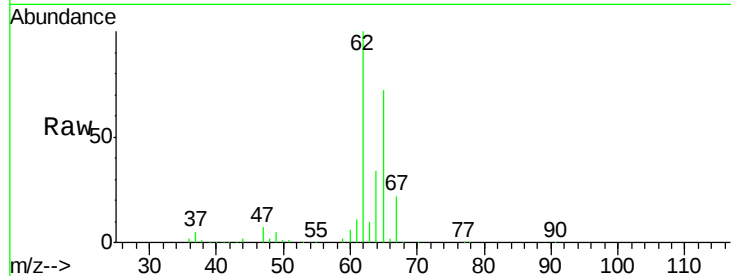
VSTD05043

Tgt Ion: 62 Resp: 238128

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU036480.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036480.D (-78) (-)

1.62

250000

200000

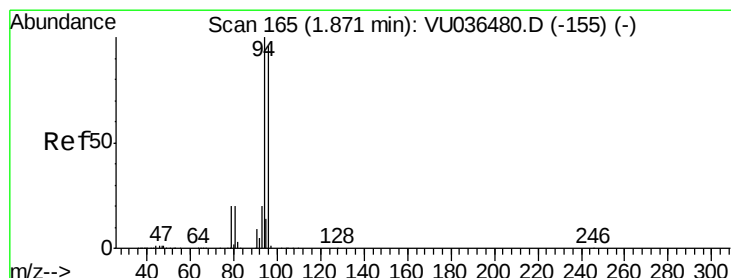
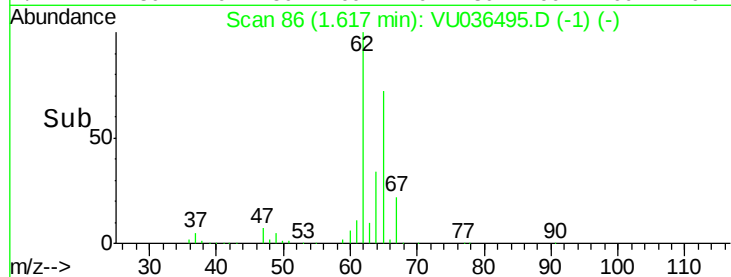
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 51.060 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU036495.D

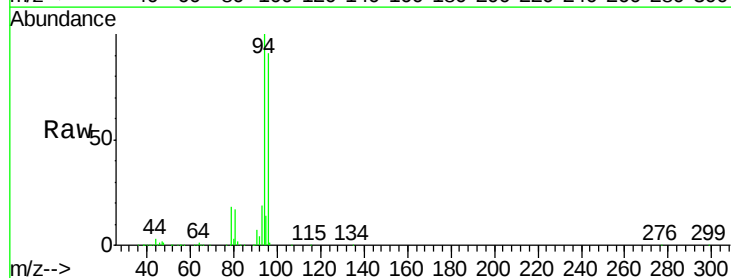
Acq: 16 Jan 2020 10:40

Tgt Ion: 94 Resp: 156162

Ion Ratio Lower Upper

94 100

96 90.6 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU036480.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036480.D (-155) (-)

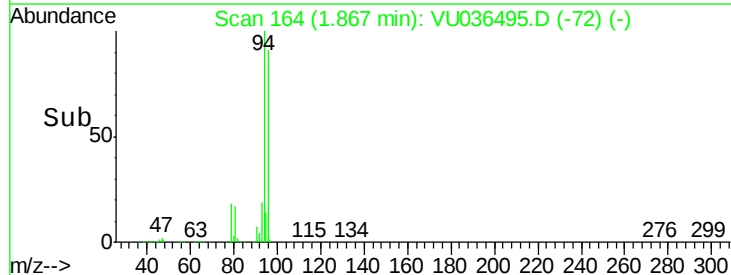
1.87

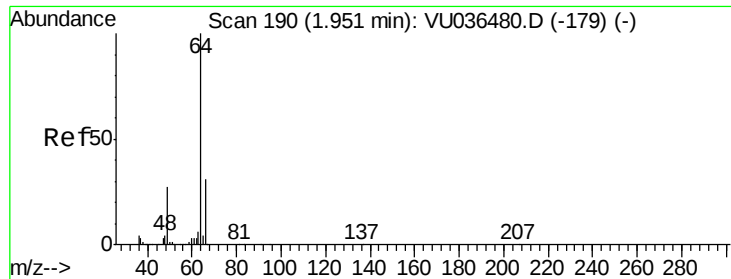
100000

50000

0

Time-->

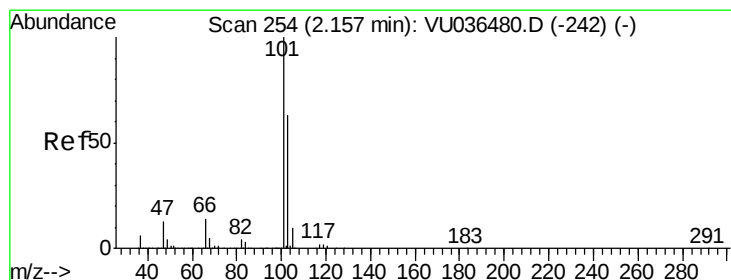
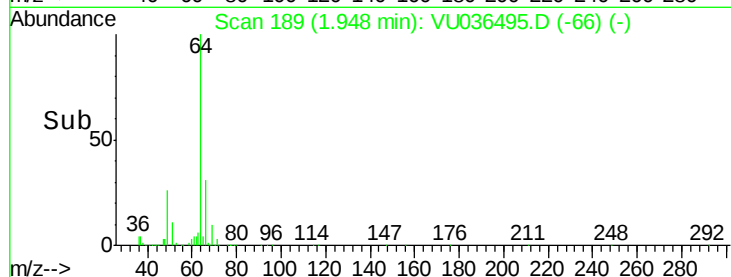
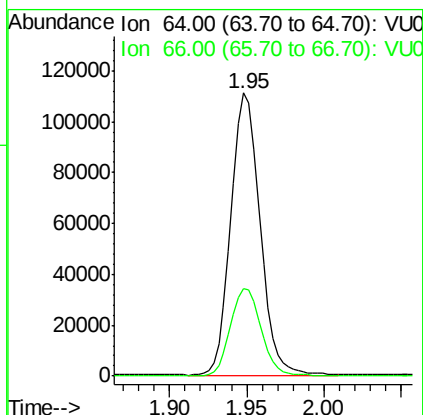
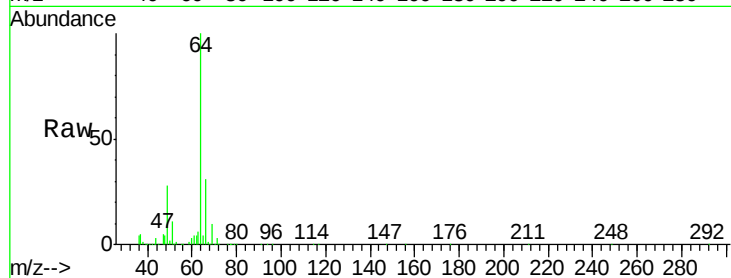




#8
Chloroethane
Concen: 48.641 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU036495.D
Acq: 16 Jan 2020 10:40

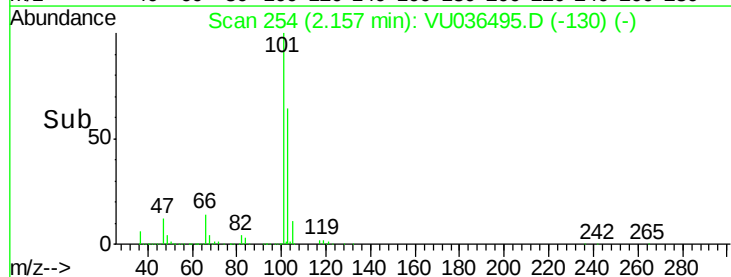
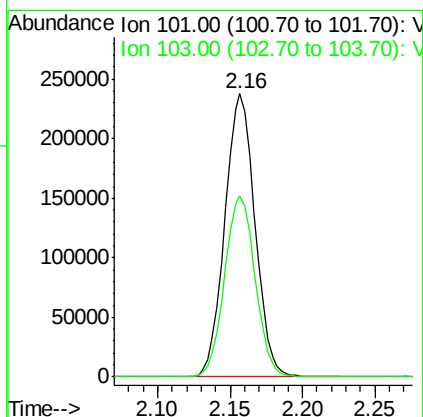
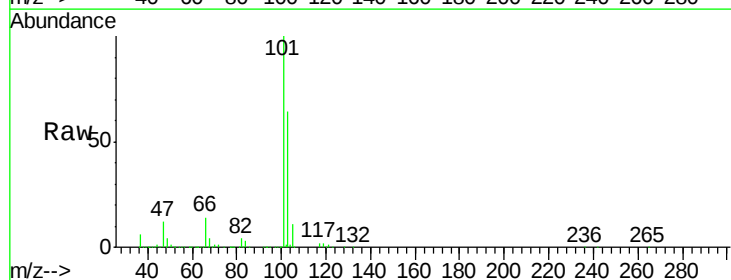
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

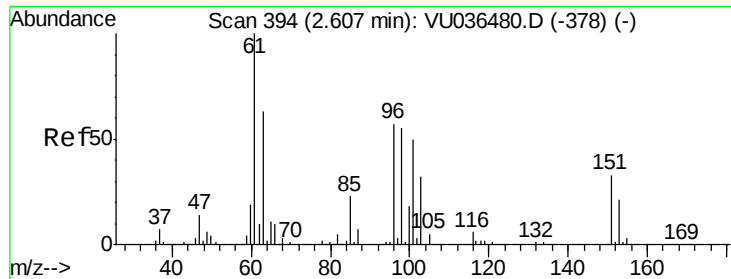
Tgt Ion: 64 Resp: 144715
Ion Ratio Lower Upper
64 100
66 31.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 49.852 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036495.D
Acq: 16 Jan 2020 10:40

Tgt Ion: 101 Resp: 341489
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0





#10

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

Concen: 52.368 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

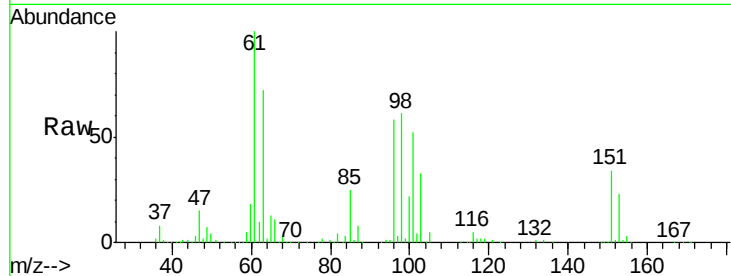
Tgt Ion: 101 Resp: 189662

Ion Ratio Lower Upper

101 100

85 45.7 36.7 55.1

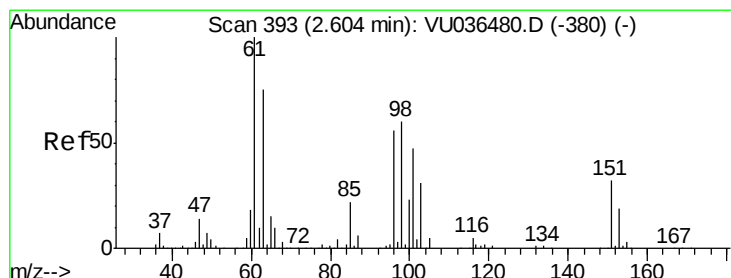
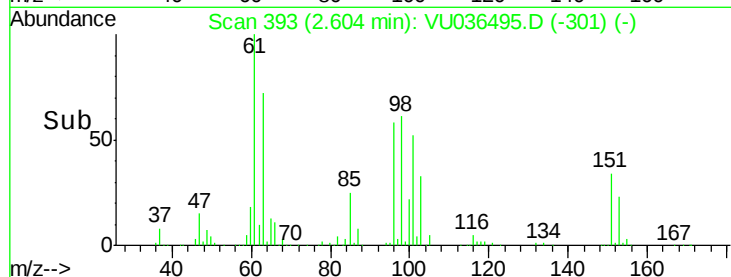
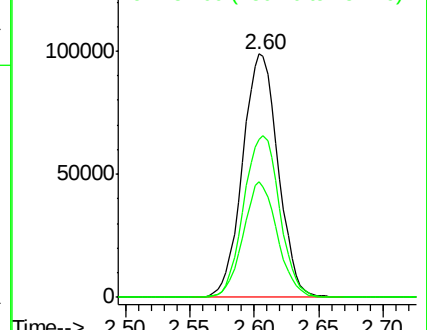
151 67.3 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.425 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

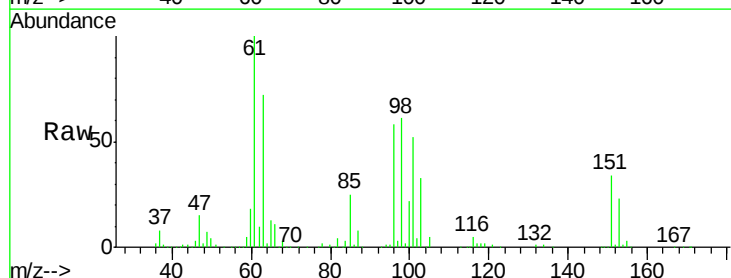
Tgt Ion: 96 Resp: 177374

Ion Ratio Lower Upper

96 100

61 173.5 128.2 238.2

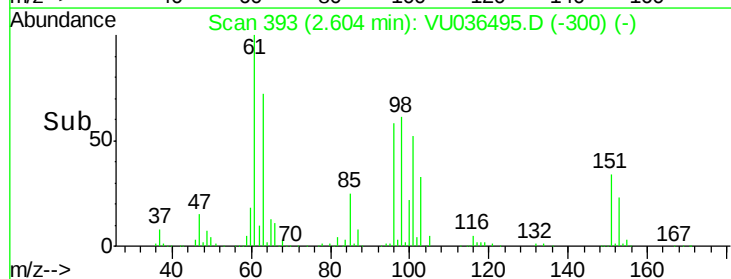
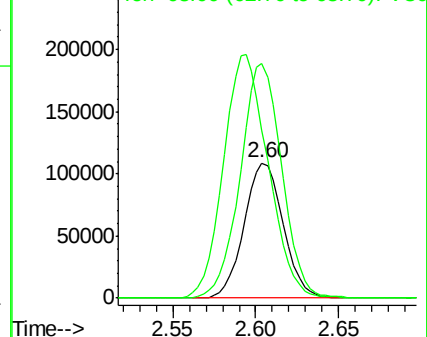
63 124.7 79.1 146.9

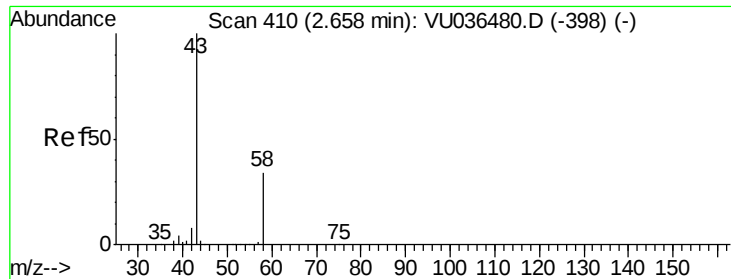


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 83.171 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

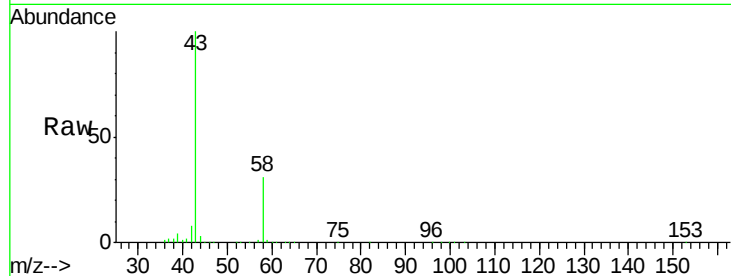
VSTD05043

Tgt Ion: 43 Resp: 304661

Ion Ratio Lower Upper

43 100

58 32.7 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU036480.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036480.D (-398) (-)

2.66

200000

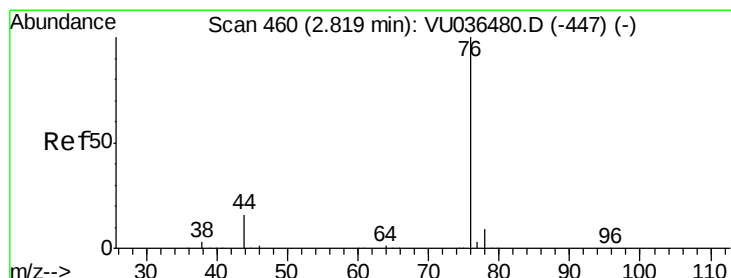
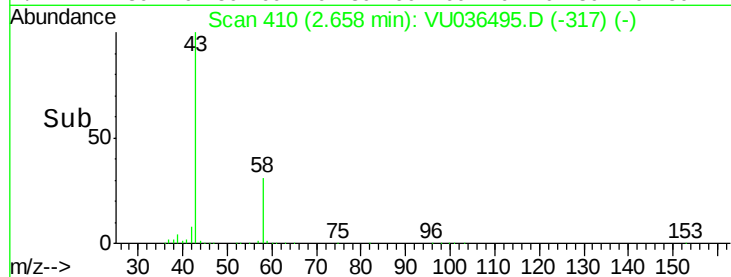
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 48.610 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036495.D

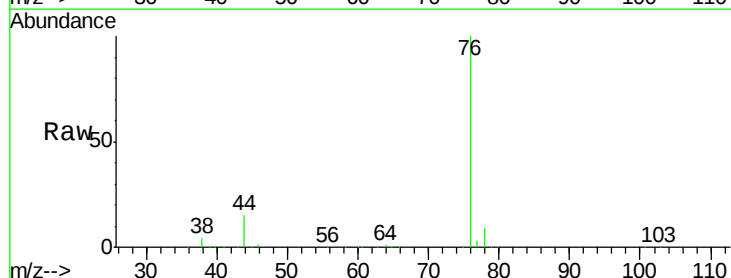
Acq: 16 Jan 2020 10:40

Tgt Ion: 76 Resp: 564230

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036480.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036480.D (-447) (-)

2.82

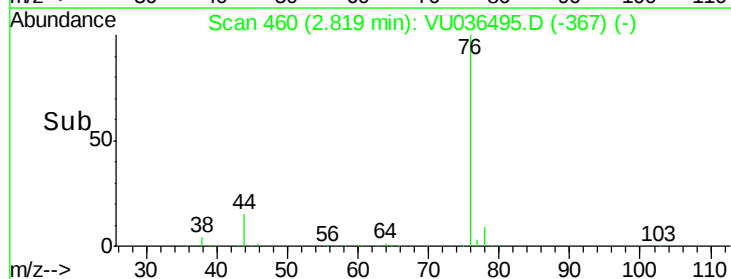
300000

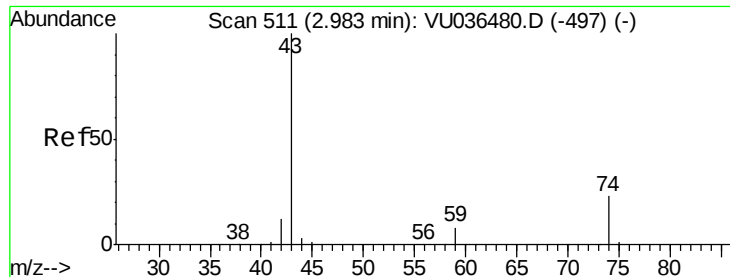
200000

100000

0

Time-->

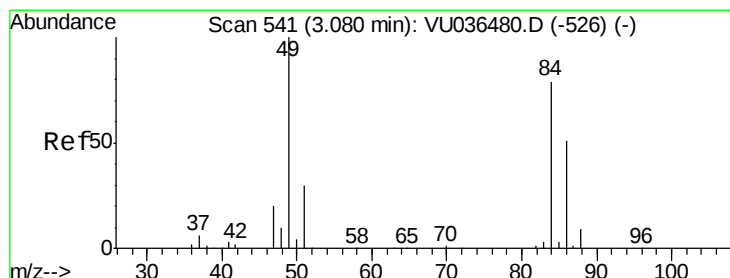
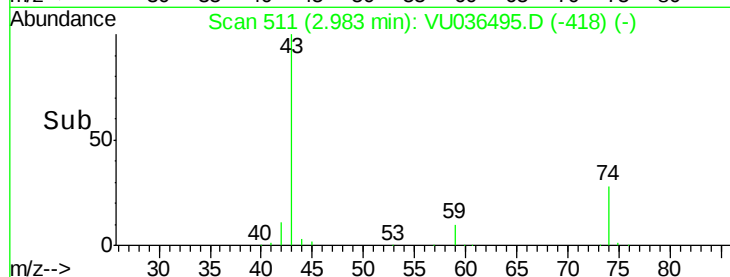
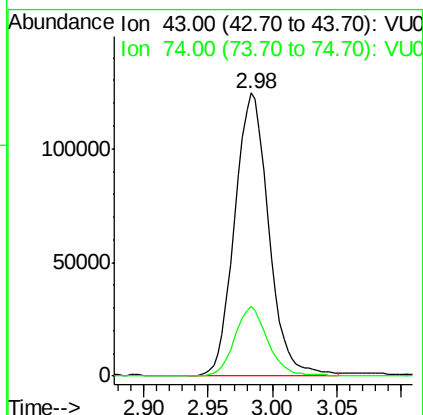
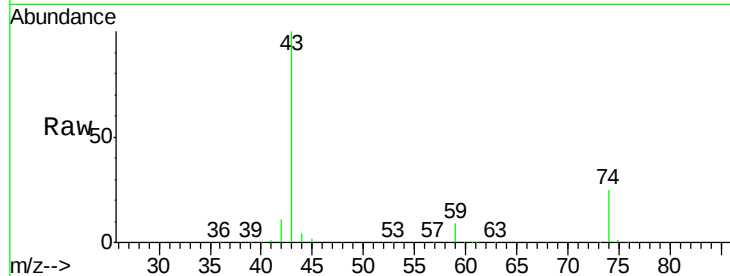




#15
Methyl Acetate
Concen: 46.654 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036495.D
Acq: 16 Jan 2020 10:40

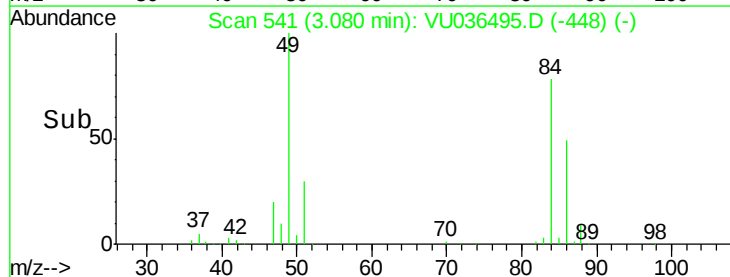
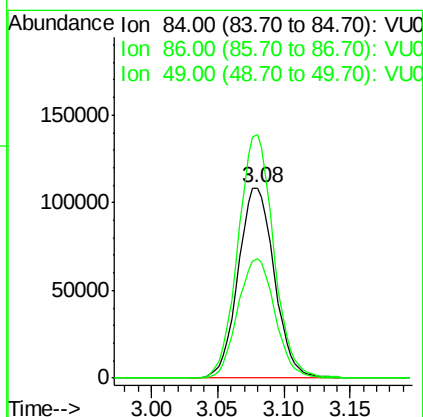
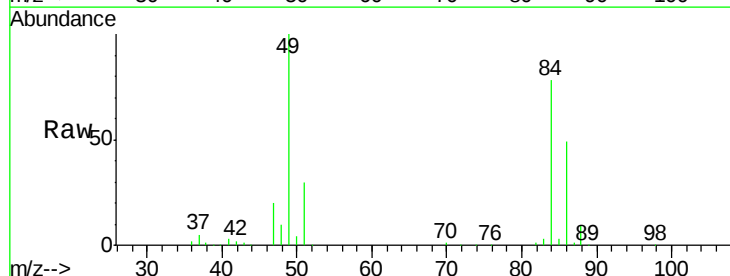
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

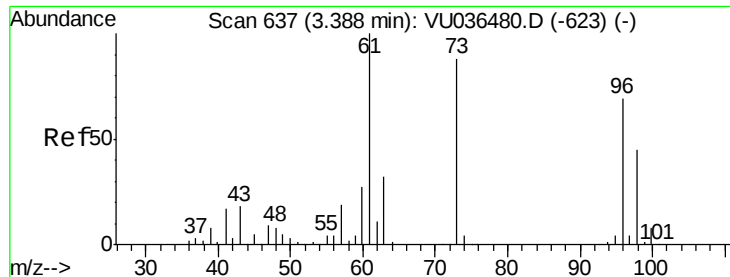
Tgt Ion: 43 Resp: 228537
Ion Ratio Lower Upper
43 100
74 23.8 19.0 28.4



#16
Methylene chloride
Concen: 46.675 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036495.D
Acq: 16 Jan 2020 10:40

Tgt Ion: 84 Resp: 206087
Ion Ratio Lower Upper
84 100
86 63.1 46.4 86.2
49 127.9 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 49.209 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

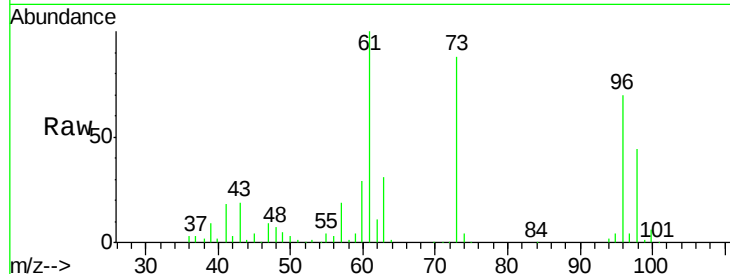
Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Tgt Ion: 96 Resp: 193615

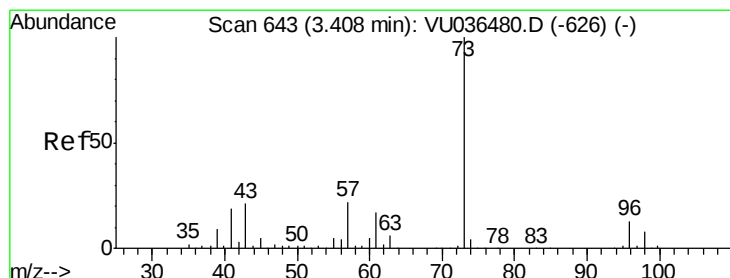
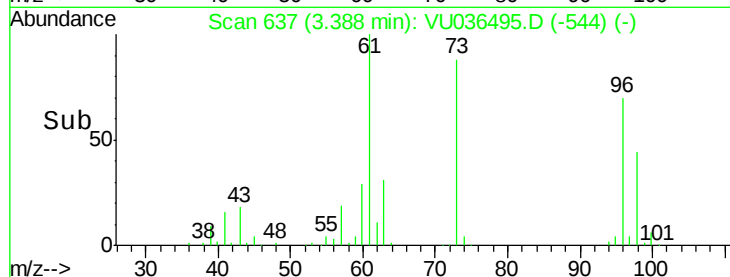
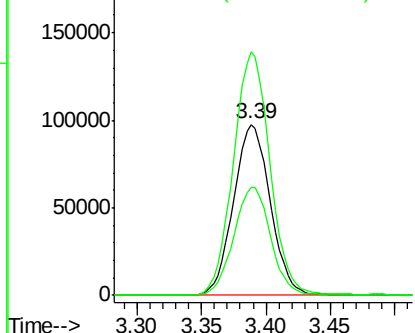
Ion	Ratio	Lower	Upper
96	100		
61	142.4	102.8	191.0
98	63.0	44.9	83.5



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: 47.974 ug/L

RT: 3.41 min Scan# 643

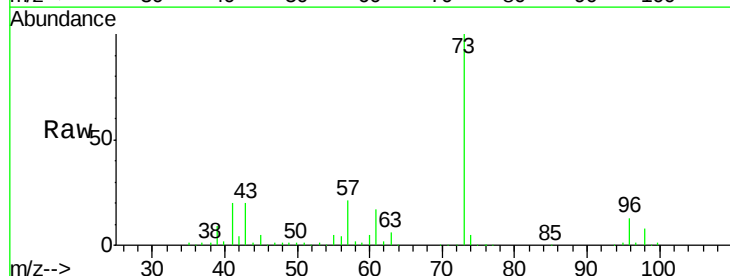
Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Tgt Ion: 73 Resp: 643244

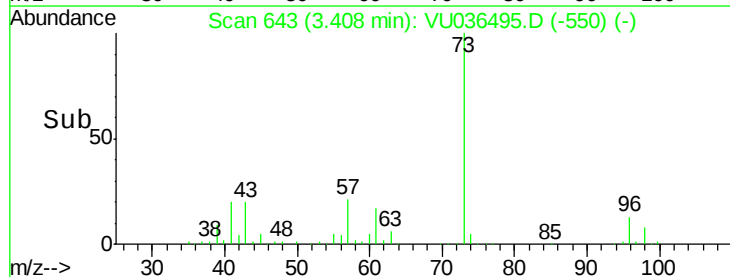
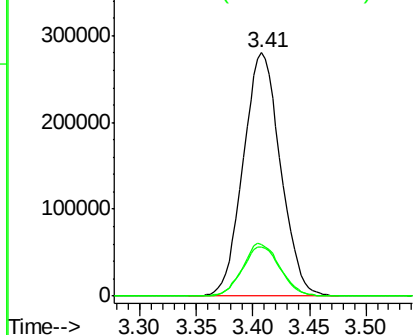
Ion	Ratio	Lower	Upper
73	100		
43	20.6	16.6	25.0
57	21.7	17.0	25.6

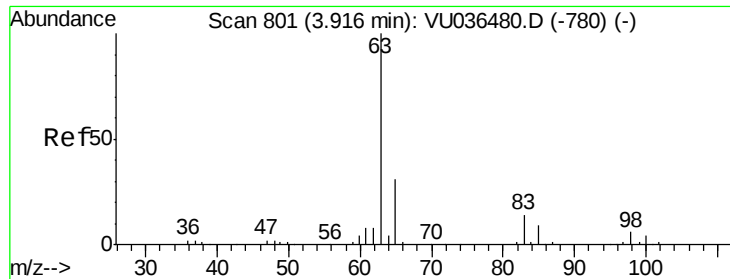


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 48.089 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

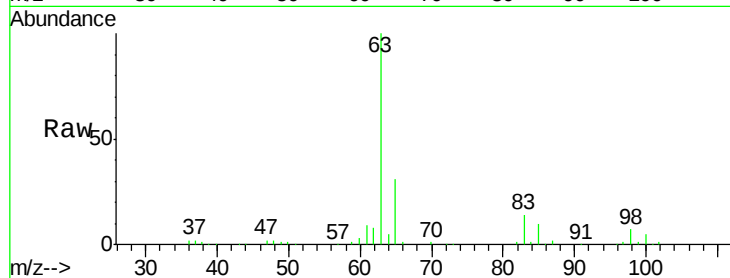
Tgt Ion: 63 Resp: 357206

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.4

83 14.0 9.4 17.6

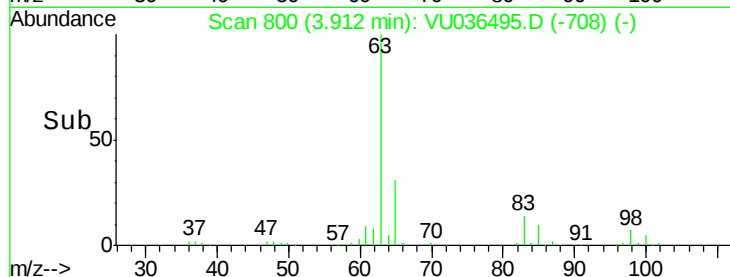


Abundance Ion 63.00 (62.70 to 63.70): VU036480.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU036480.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU036480.D (-780) (-)

Time-->



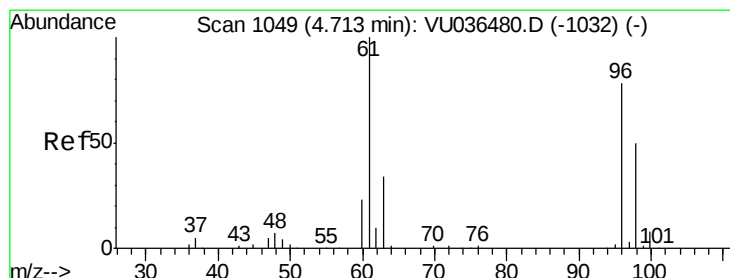
Abundance

Ion 63.00 (62.70 to 63.70): VU036495.D (-708) (-)

Ion 65.00 (64.70 to 65.70): VU036495.D (-708) (-)

Ion 83.00 (82.70 to 83.70): VU036495.D (-708) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 48.930 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

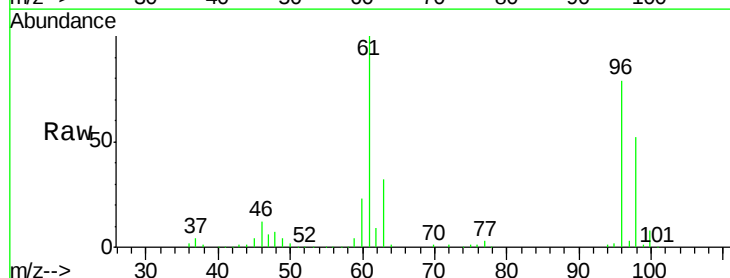
Tgt Ion: 96 Resp: 220730

Ion Ratio Lower Upper

96 100

61 126.8 89.5 166.3

68 0.0 0.0 0.0

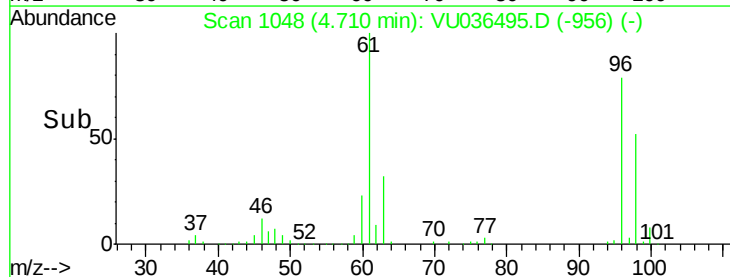


Abundance Ion 96.00 (95.70 to 96.70): VU036480.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU036480.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU036480.D (-1032) (-)

Time-->



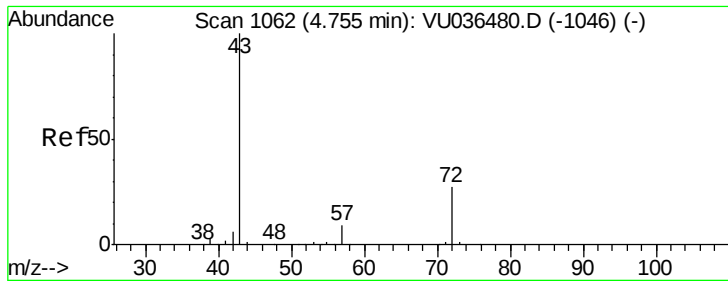
Abundance

Ion 96.00 (95.70 to 96.70): VU036495.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036495.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036495.D (-956) (-)

Time-->



#22

2-Butanone

Concen: 88.106 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

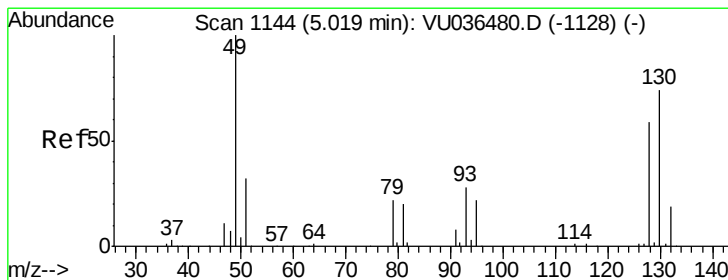
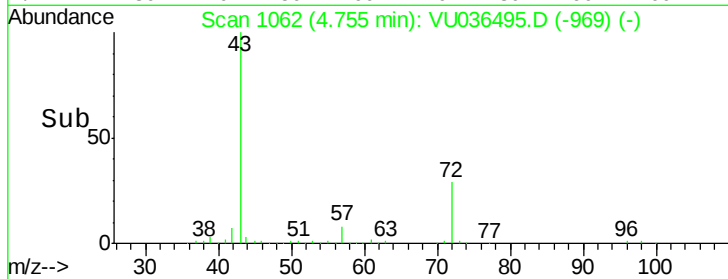
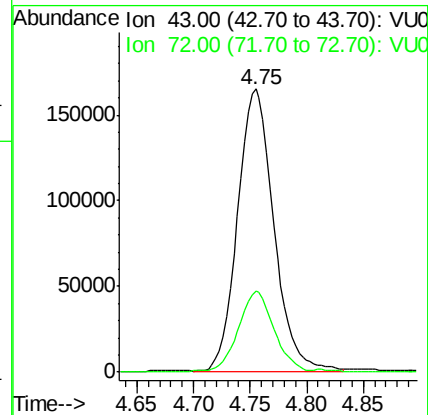
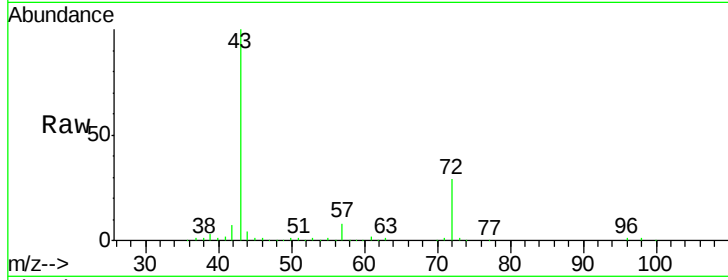
VSTD05043

Tgt Ion: 43 Resp: 366252

Ion Ratio Lower Upper

43 100

72 28.6 14.1 42.4



#23

Bromochloromethane

Concen: 49.705 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Tgt Ion: 128 Resp: 108322

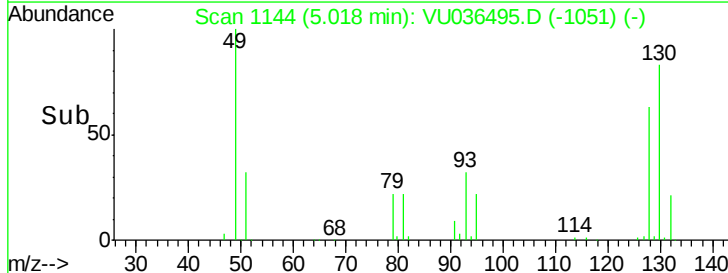
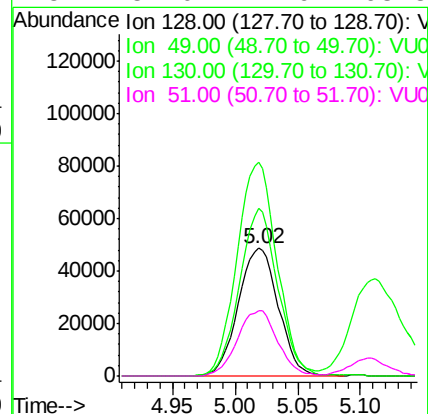
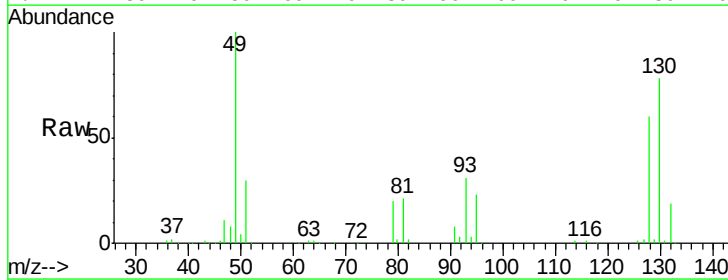
Ion Ratio Lower Upper

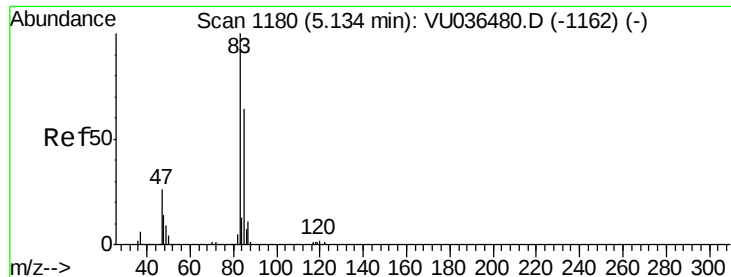
128 100

49 167.6 118.9 220.7

130 131.5 91.3 169.5

51 51.0 42.6 63.8





#25

Chloroform

Concen: 48.890 ug/L

RT: 5.13 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

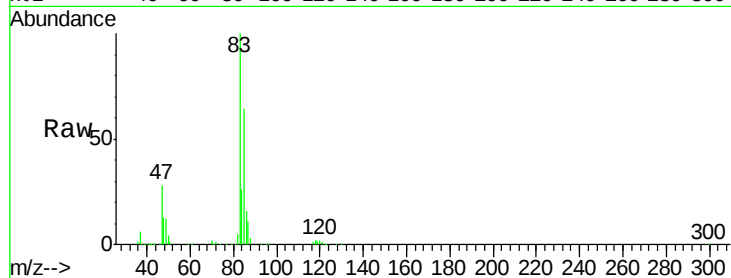
VSTD05043

Tgt Ion: 83 Resp: 387292

Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU036480.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU036480.D (-1162) (-)

5.13

200000

150000

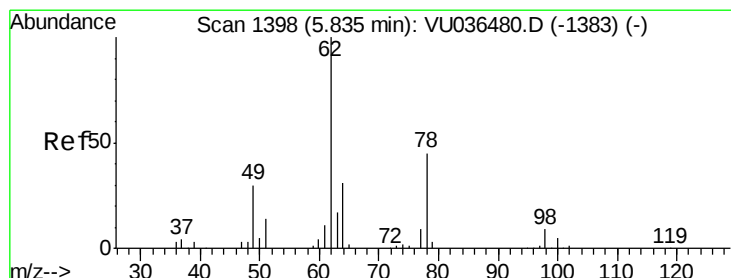
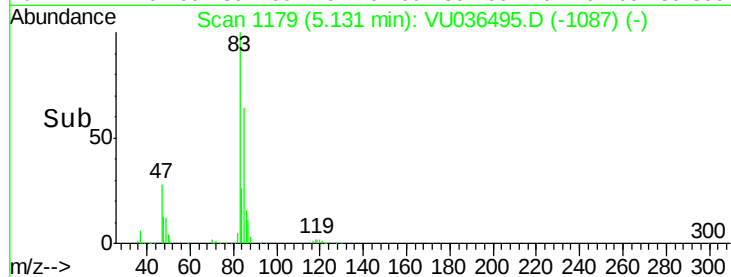
100000

50000

0

5.05 5.10 5.15 5.20

Time-->



#27

1,2-Dichloroethane

Concen: 49.081 ug/L

RT: 5.84 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VU036495.D

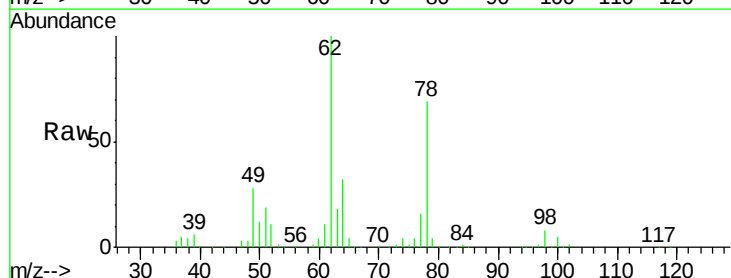
Acq: 16 Jan 2020 10:40

Tgt Ion: 62 Resp: 307942

Ion Ratio Lower Upper

62 100

98 8.5 6.6 9.8



Abundance Ion 62.00 (61.70 to 62.70): VU036480.D (-1383) (-)

Ion 98.00 (97.70 to 98.70): VU036480.D (-1383) (-)

5.84

150000

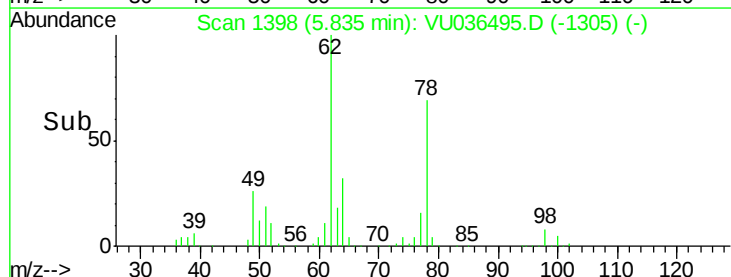
100000

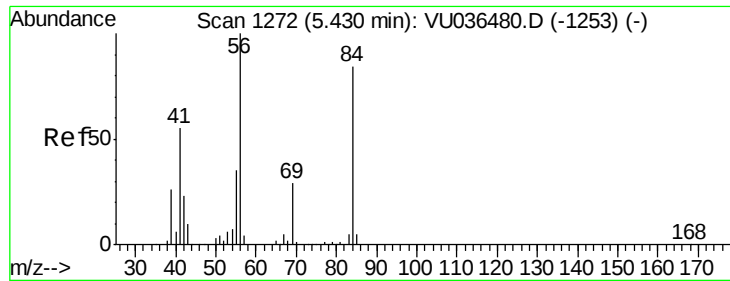
50000

0

5.75 5.80 5.85 5.90

Time-->

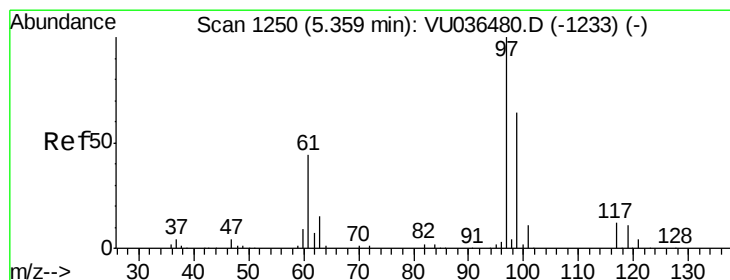
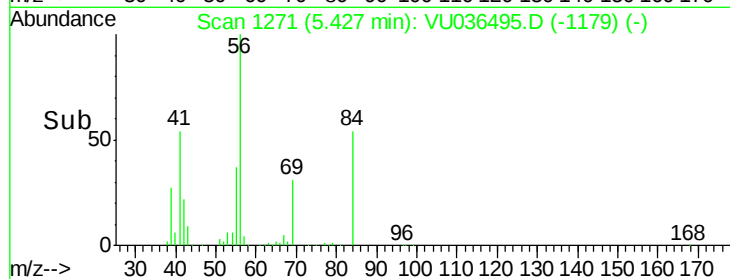
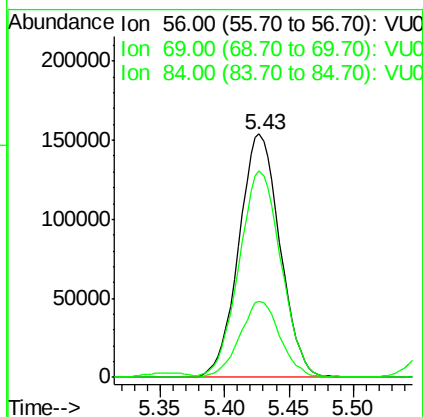
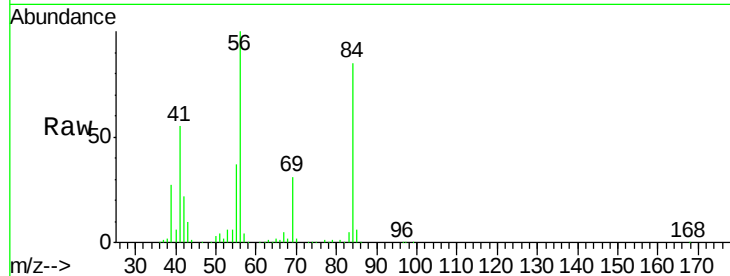




#29
Cyclohexane
Concen: 49.770 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036495.D
Acq: 16 Jan 2020 10:40

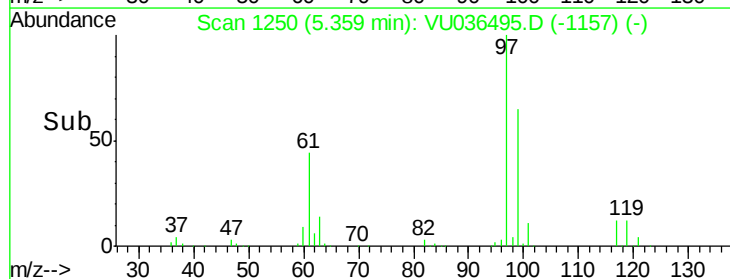
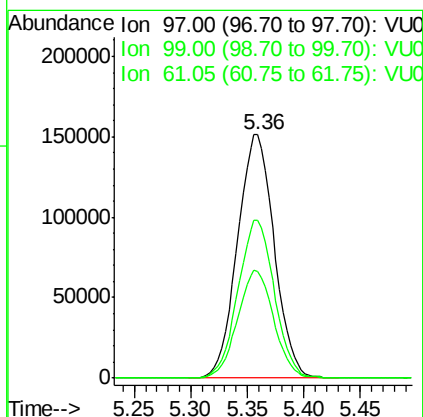
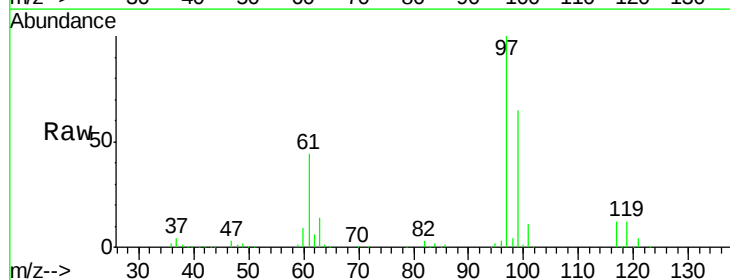
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

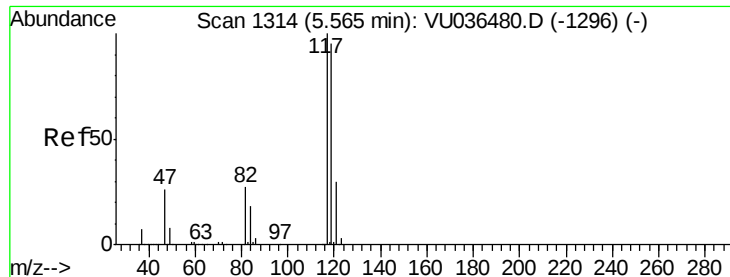
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	36.8
84	86.2	67.4	101.2



#30
1,1,1-Trichloroethane
Concen: 50.347 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036495.D
Acq: 16 Jan 2020 10:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.2	75.2
61	43.6	35.3	52.9





#31

Carbon tetrachloride

Concen: 51.416 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

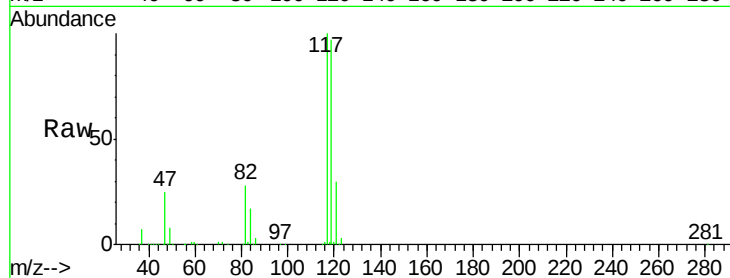
VSTD05043

Tgt Ion:117 Resp: 299507

Ion Ratio Lower Upper

117 100

119 95.6 74.3 111.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.57

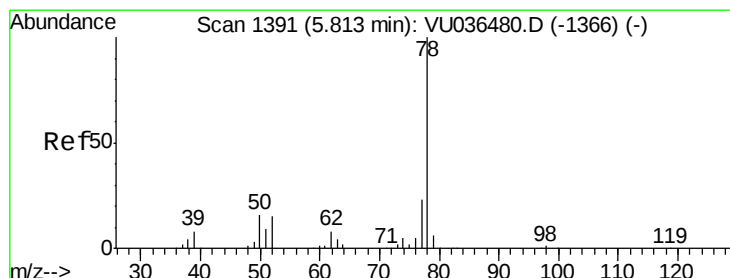
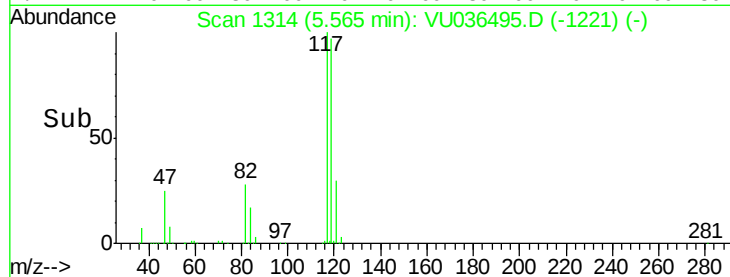
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 49.858 ug/L

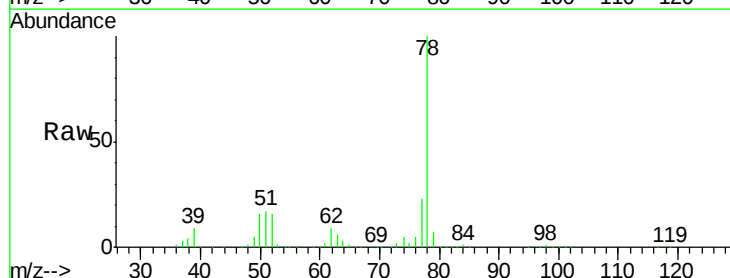
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Tgt Ion: 78 Resp: 819856



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.81

400000

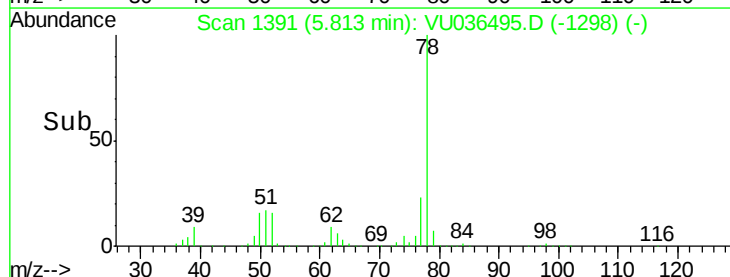
300000

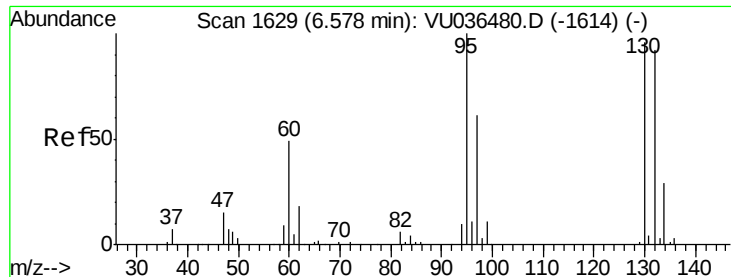
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 50.316 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion: 95 Resp: 223414

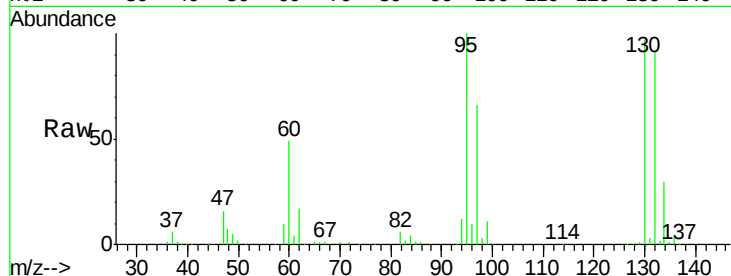
Ion Ratio Lower Upper

95 100

97 66.2 44.2 82.2

132 90.7 62.8 116.6

130 96.6 66.1 122.7

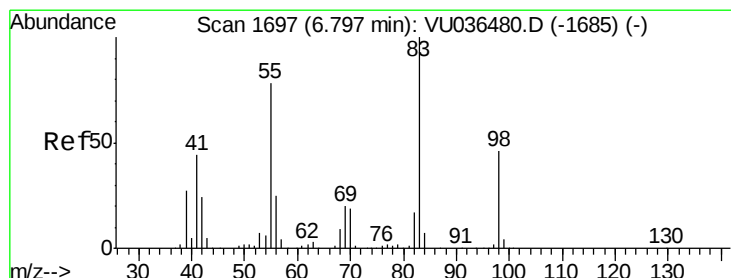
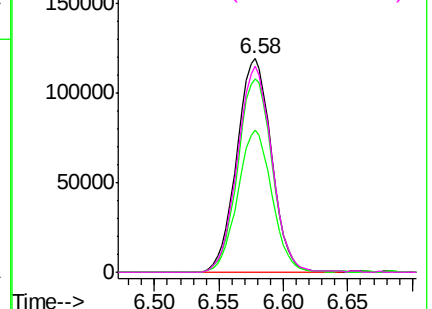
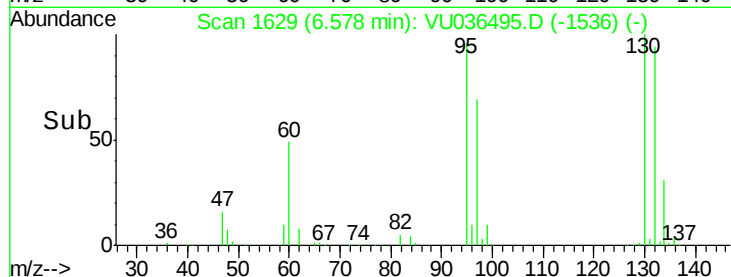


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 52.243 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

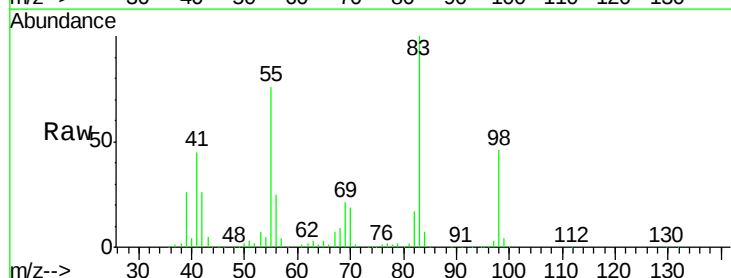
Tgt Ion: 83 Resp: 357141

Ion Ratio Lower Upper

83 100

55 76.3 59.9 89.9

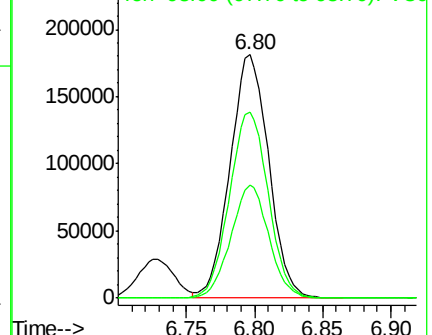
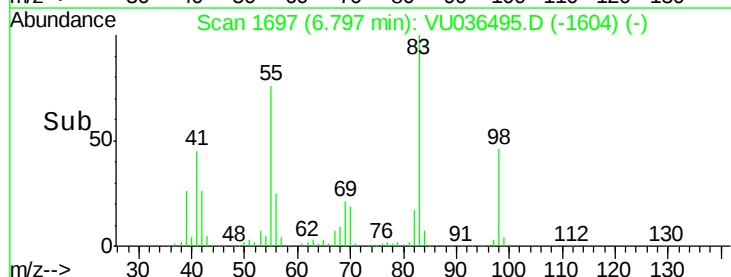
98 45.5 36.4 54.6

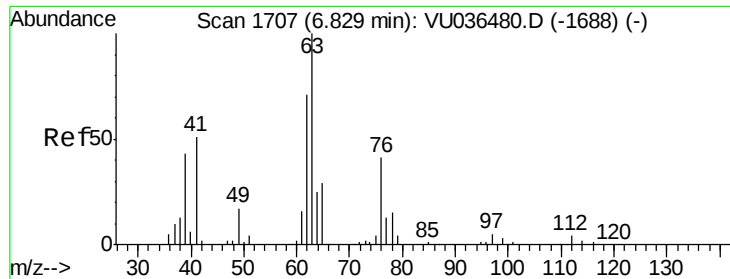


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

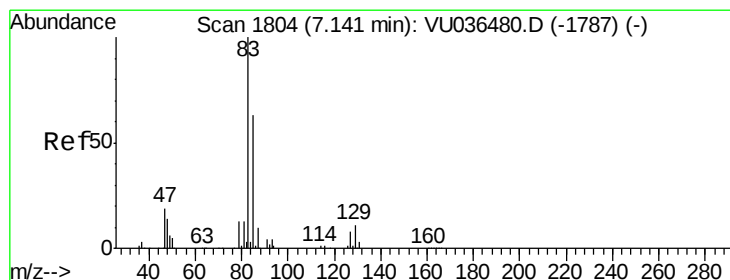
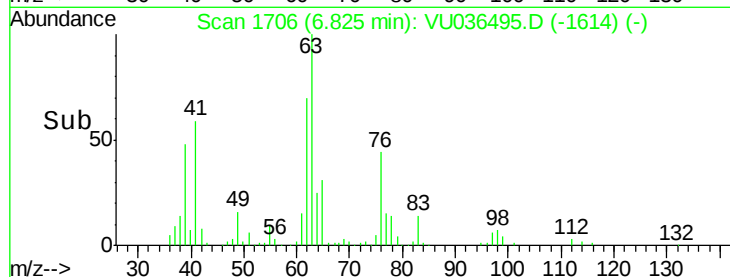
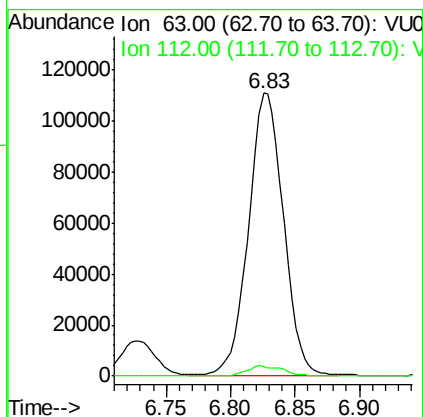
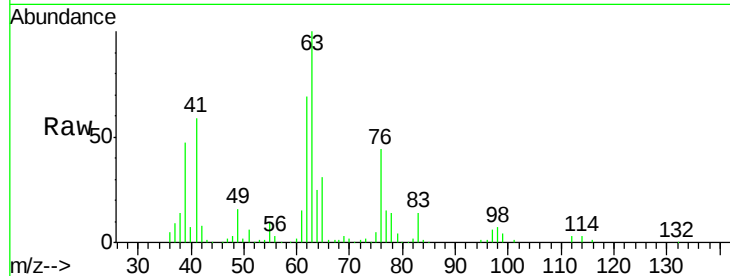




#37
 1,2-Dichloropropane
 Concen: 48.405 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036495.D
 Acq: 16 Jan 2020 10:40

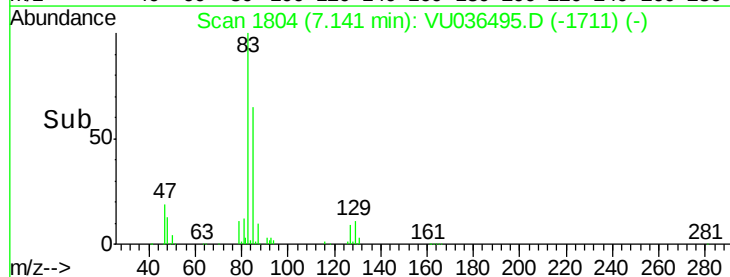
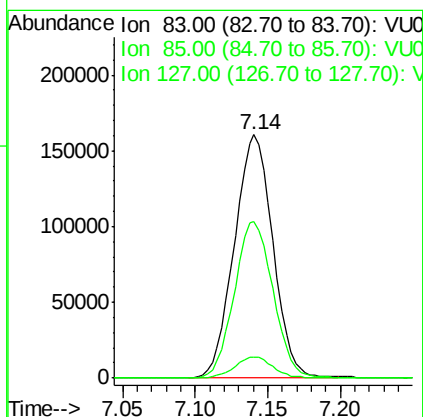
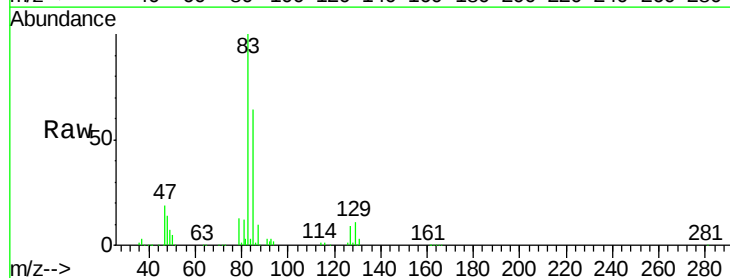
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

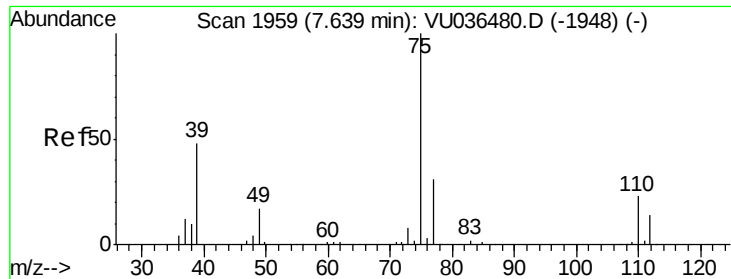
Tgt Ion: 63 Resp: 210959
 Ion Ratio Lower Upper
 63 100
 112 2.5 3.0 4.4#



#38
 Bromodichloromethane
 Concen: 49.122 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036495.D
 Acq: 16 Jan 2020 10:40

Tgt Ion: 83 Resp: 294628
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.0 81.8
 127 8.8 6.7 10.1

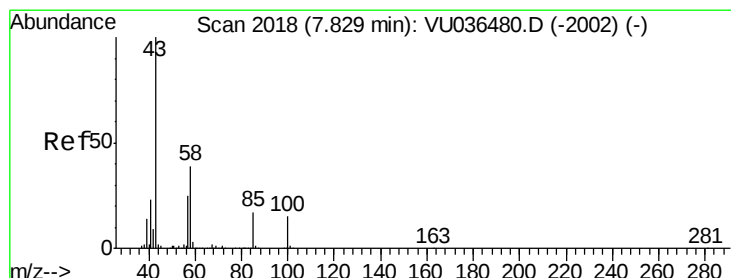
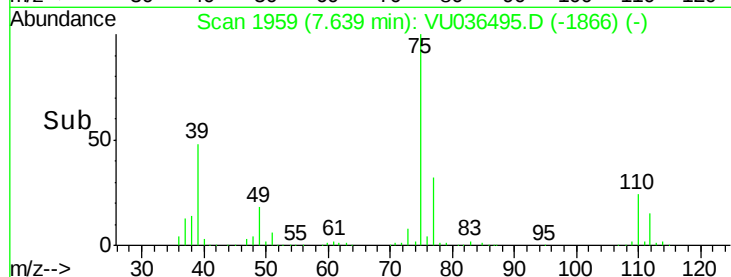
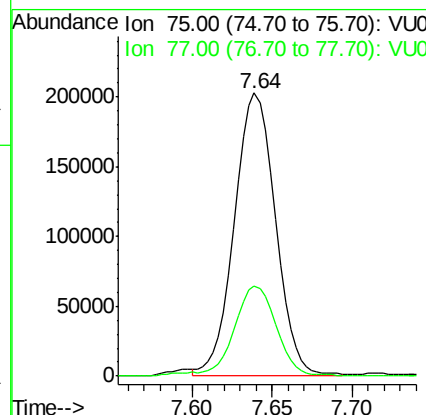
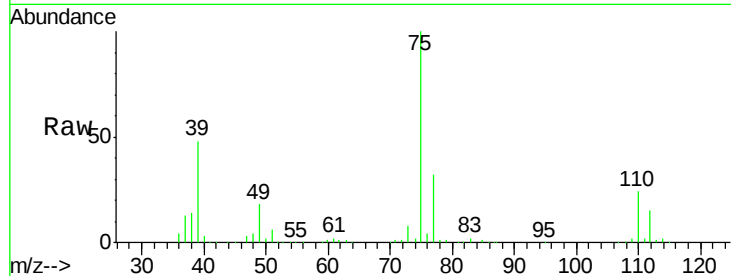




#39
 cis-1,3-Dichloropropene
 Concen: 50.287 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036495.D
 Acq: 16 Jan 2020 10:40

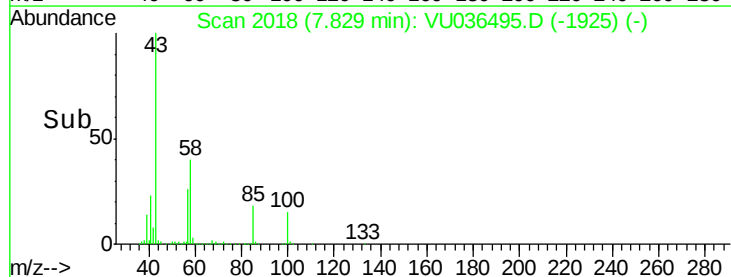
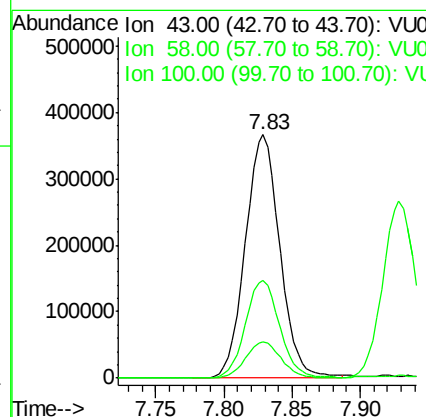
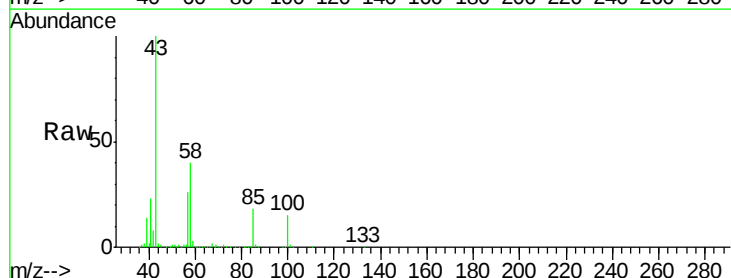
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

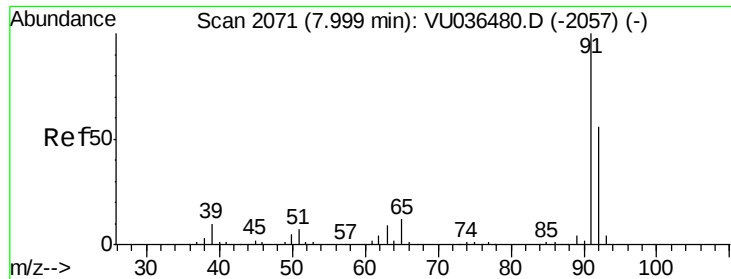
Tgt Ion: 75 Resp: 354797
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 91.858 ug/L
 RT: 7.83 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU036495.D
 Acq: 16 Jan 2020 10:40

Tgt Ion: 43 Resp: 644015
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.0 48.0
 100 15.2 11.4 17.0





#42

Toluene

Concen: 50.530 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

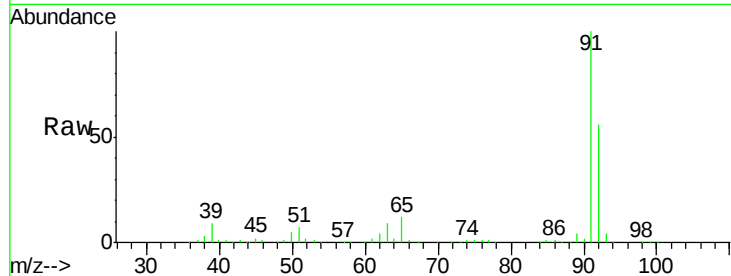
VSTD05043

Tgt Ion: 91 Resp: 902483

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036480.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036480.D (-2057) (-)

8.00

600000

500000

400000

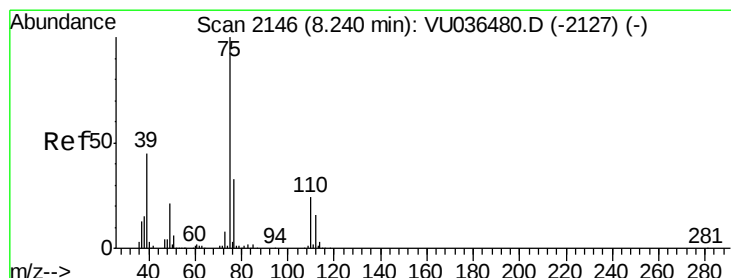
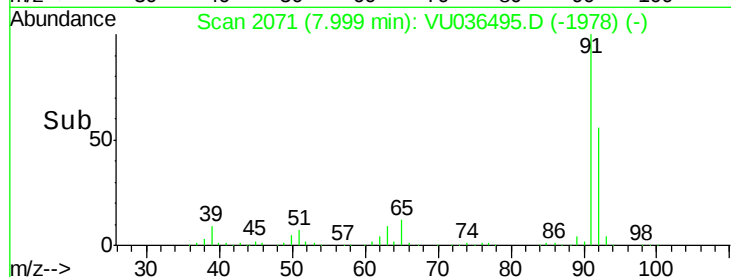
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.865 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036495.D

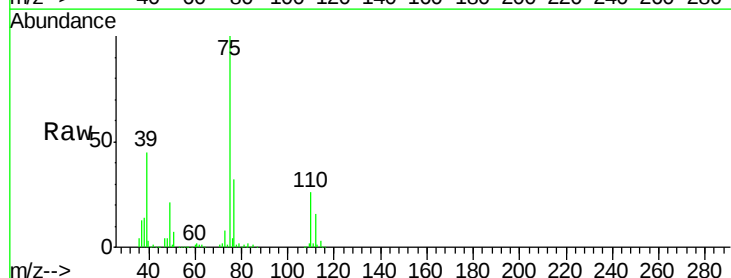
Acq: 16 Jan 2020 10:40

Tgt Ion: 75 Resp: 325909

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036480.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU036480.D (-2127) (-)

8.24

200000

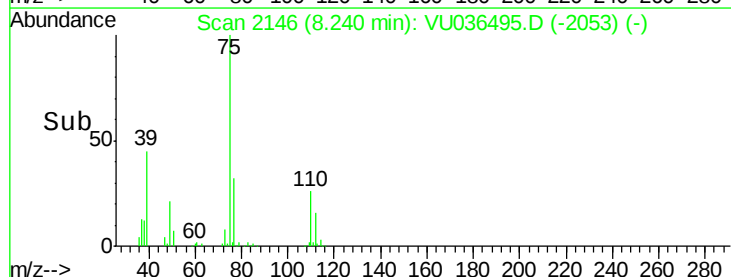
150000

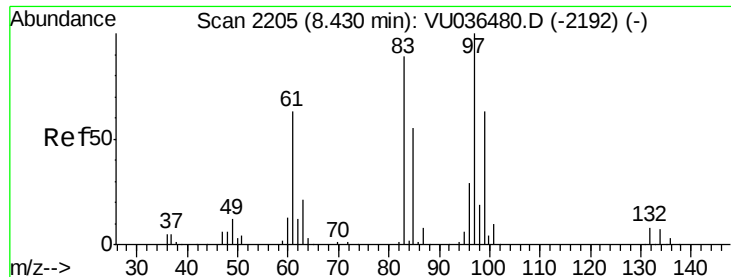
100000

50000

0

Time-->

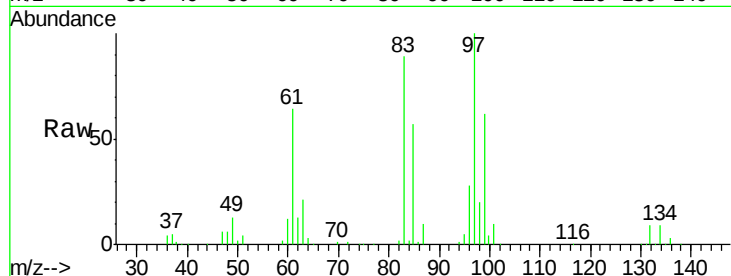




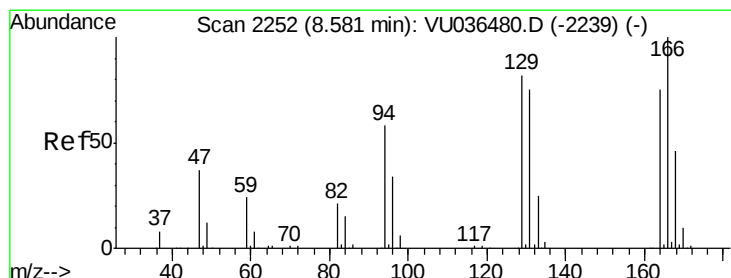
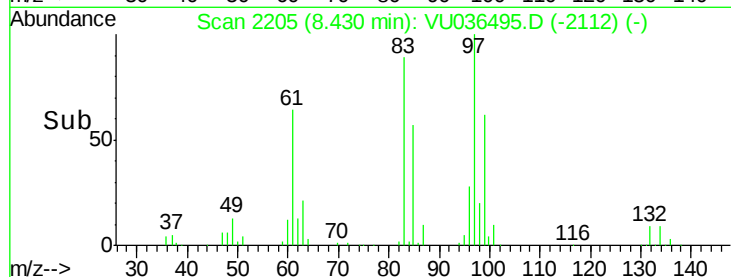
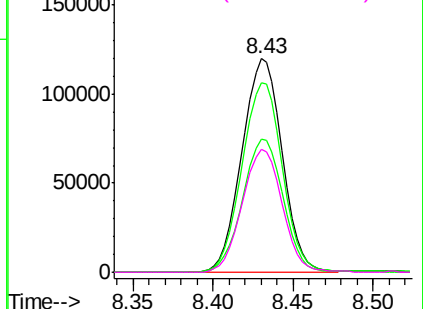
#45
 1,1,2-Trichloroethane
 Concen: 49.467 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036495.D
 Acq: 16 Jan 2020 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Tgt Ion:	97	Resp:	206069
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.7	82.9
83	88.9	59.4	110.2
85	57.5	39.7	73.7

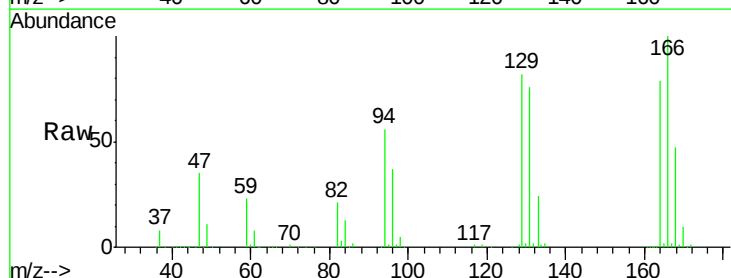


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

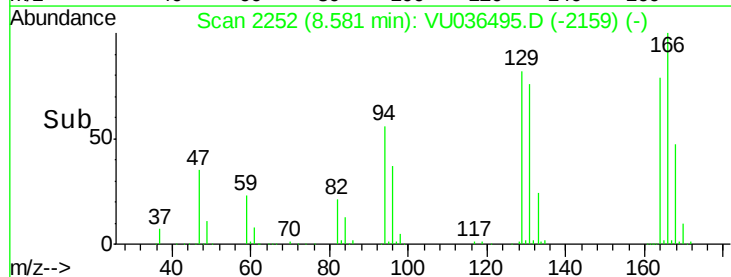
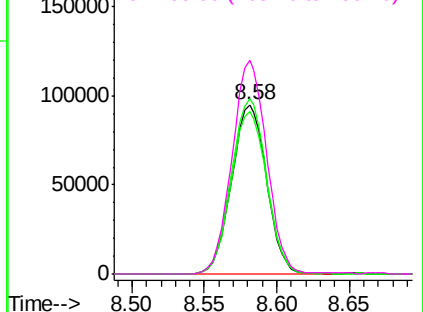


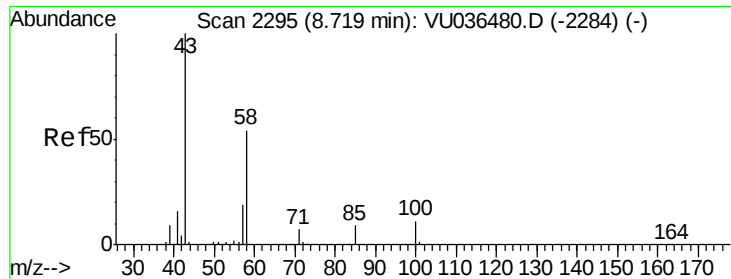
#46
 Tetrachloroethene
 Concen: 53.222 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036495.D
 Acq: 16 Jan 2020 10:40

Tgt Ion:	164	Resp:	158962
Ion	Ratio	Lower	Upper
164	100		
129	103.6	68.1	126.5
131	95.8	66.6	123.6
166	126.2	86.5	160.7



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

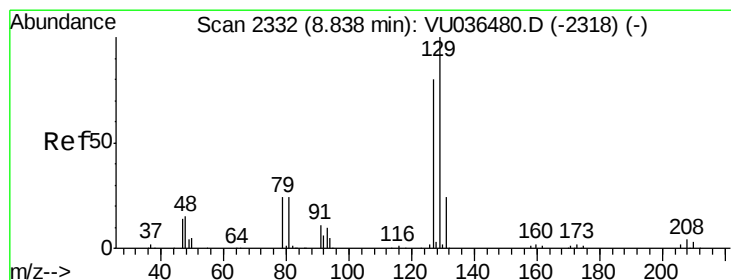
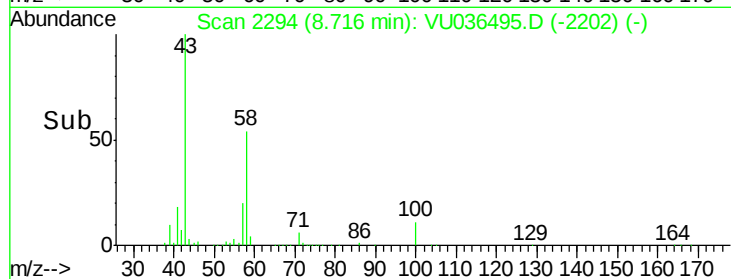
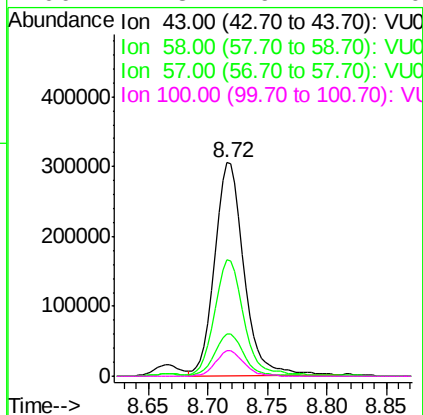
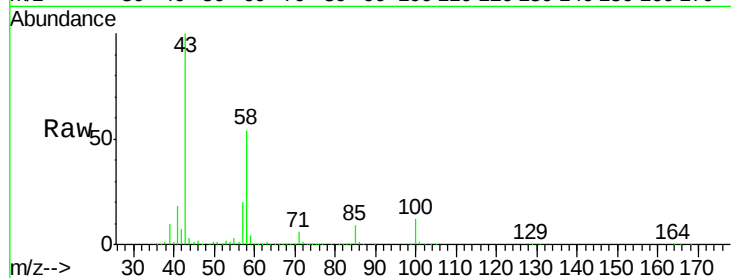




#48
2-Hexanone
Concen: 93.316 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VU036495.D
Acq: 16 Jan 2020 10:40

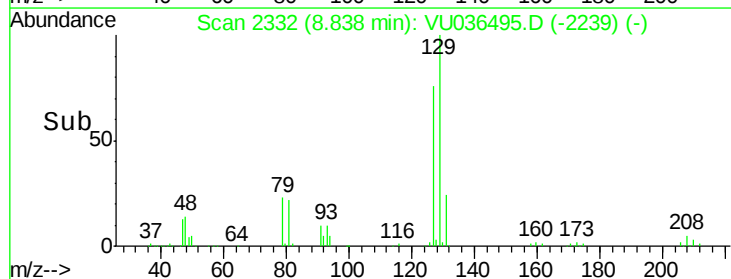
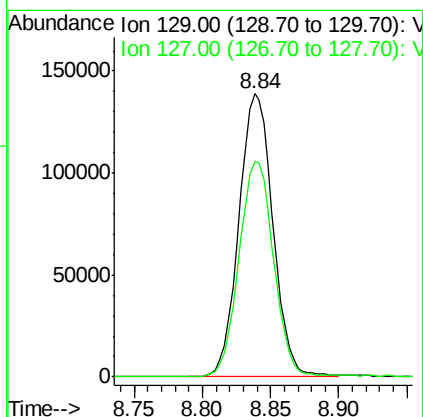
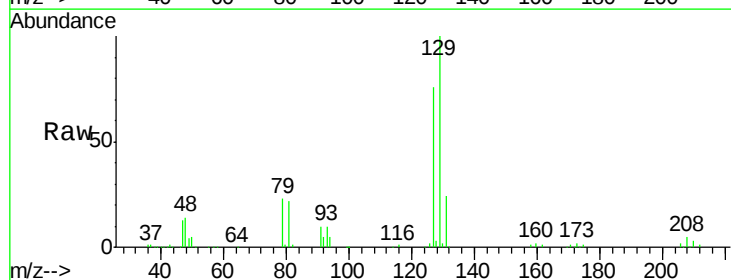
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

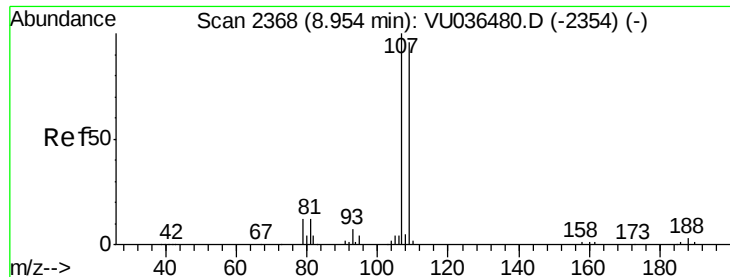
Tgt Ion:	43	Resp:	517435
Ion	Ratio	Lower	Upper
43	100		
58	54.5	43.7	65.5
57	20.0	14.7	22.1
100	11.8	9.4	14.0



#49
Dibromochloromethane
Concen: 51.893 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036495.D
Acq: 16 Jan 2020 10:40

Tgt Ion:	129	Resp:	240458
Ion	Ratio	Lower	Upper
129	100		
127	76.3	54.7	101.7

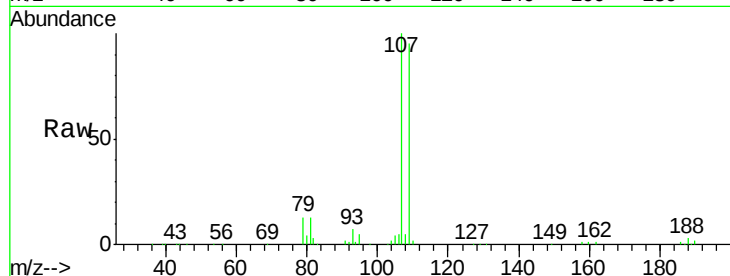




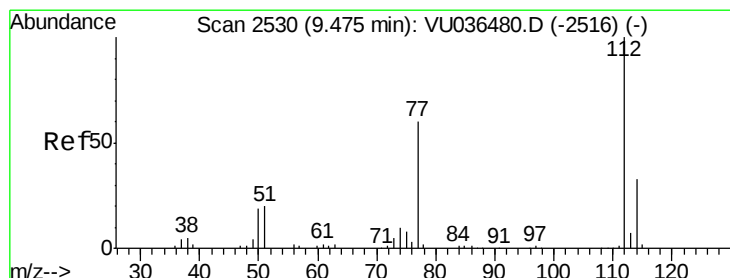
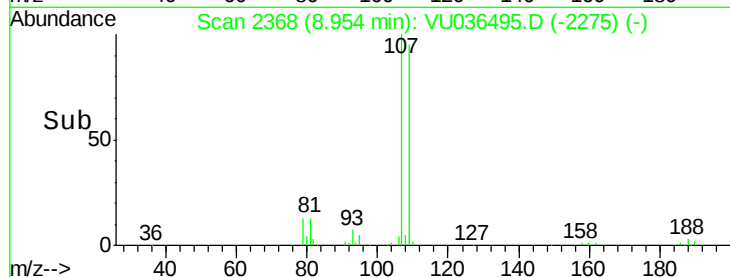
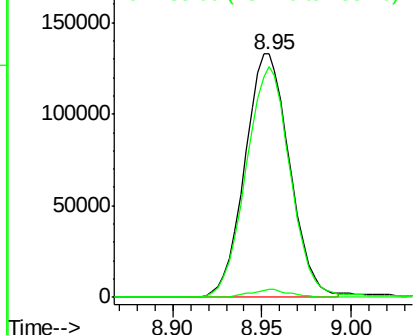
#50
1,2-Dibromoethane
Concen: 49.340 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036495.D
Acq: 16 Jan 2020 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Tgt Ion:107 Resp: 232995
Ion Ratio Lower Upper
107 100
109 94.9 65.0 120.8
188 3.4 2.6 4.0

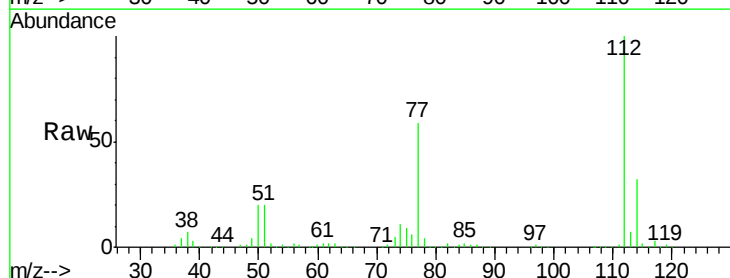


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

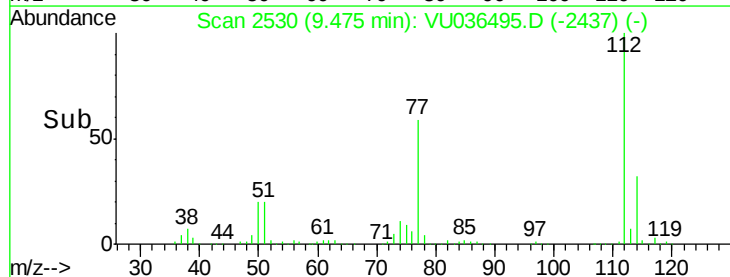
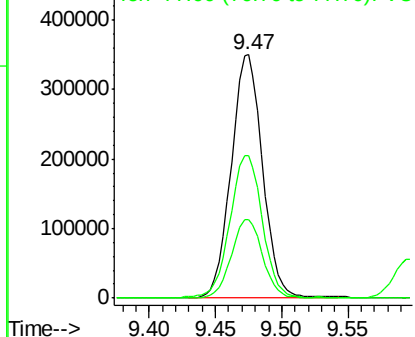


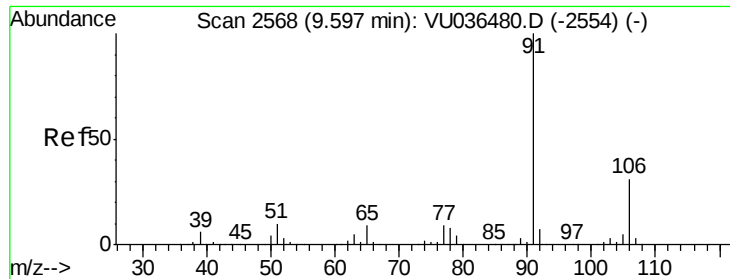
#51
Chlorobenzene
Concen: 51.371 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036495.D
Acq: 16 Jan 2020 10:40

Tgt Ion:112 Resp: 576940
Ion Ratio Lower Upper
112 100
114 32.5 22.0 41.0
77 58.7 47.8 71.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 52.034 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

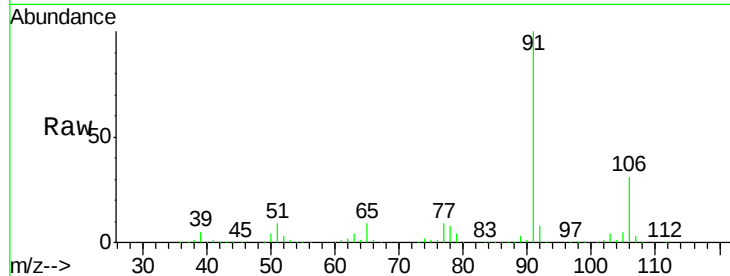
VSTD05043

Tgt Ion: 91 Resp: 1038009

Ion Ratio Lower Upper

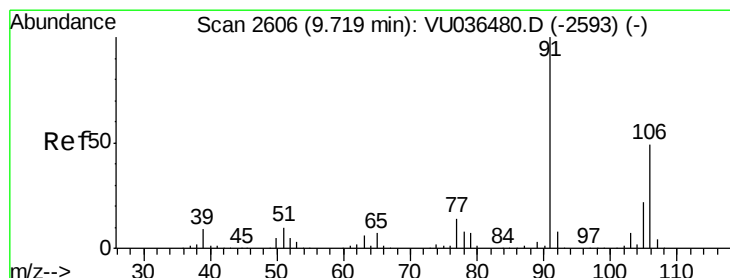
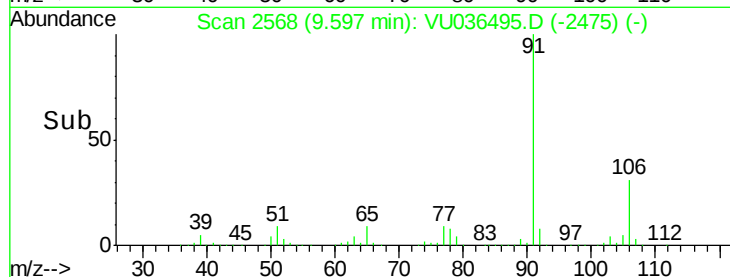
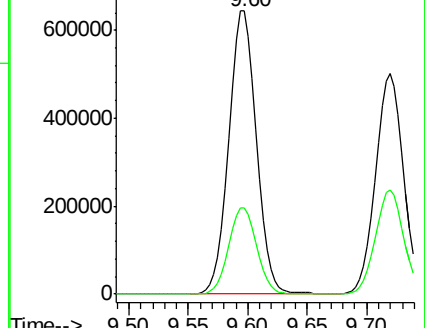
91 100

106 30.6 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VU036480.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU036480.D (-2554) (-)



#53

m,p-Xylene

Concen: 52.476 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036495.D

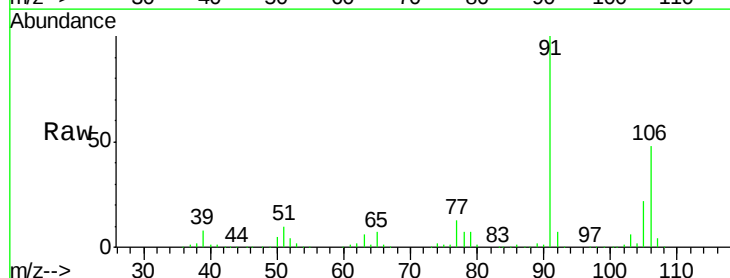
Acq: 16 Jan 2020 10:40

Tgt Ion: 106 Resp: 391459

Ion Ratio Lower Upper

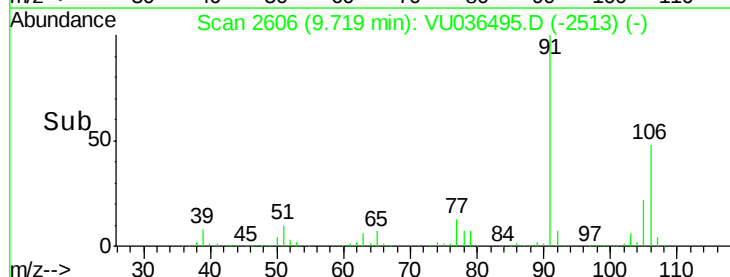
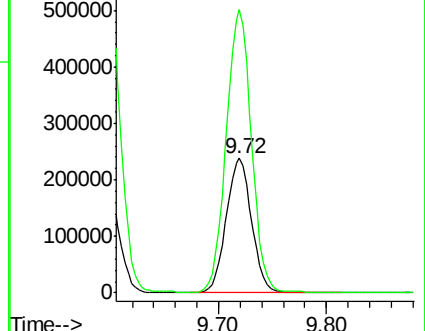
106 100

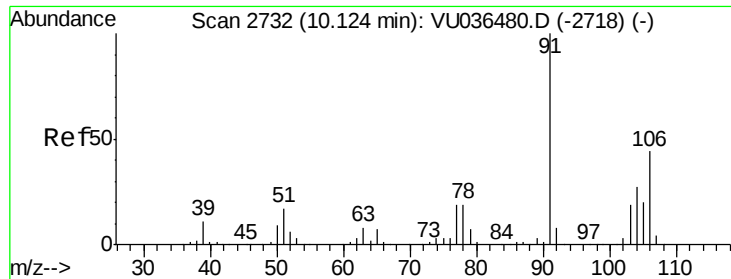
91 210.4 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036480.D (-2593) (-)

Ion 91.00 (90.70 to 91.70): VU036480.D (-2593) (-)





#54

o-xylene

Concen: 50.867 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

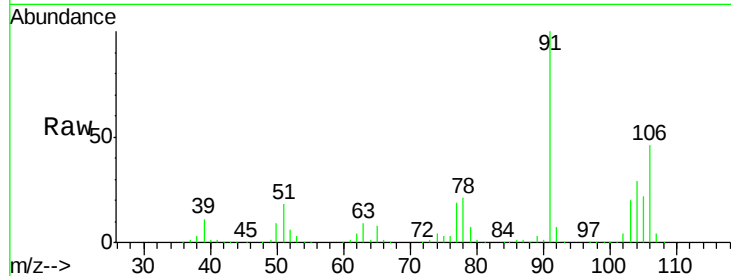
VSTD05043

Tgt Ion:106 Resp: 378814

Ion Ratio Lower Upper

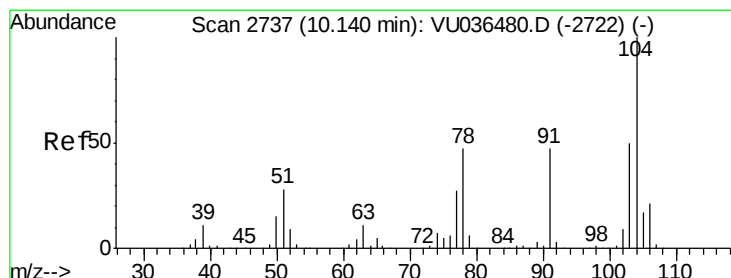
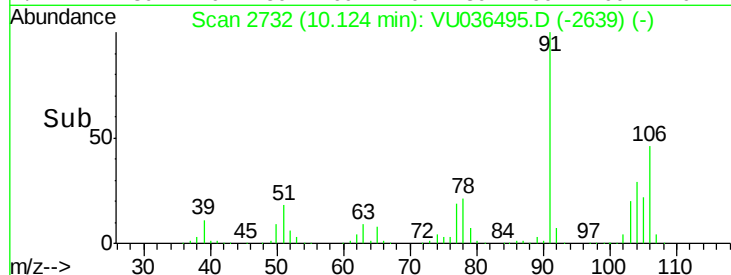
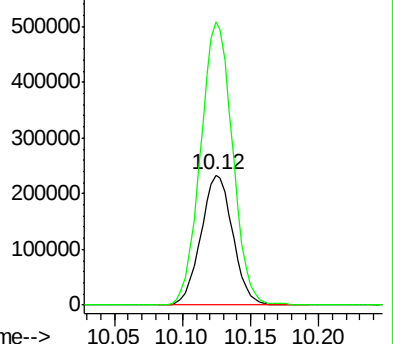
106 100

91 217.3 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.051 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036495.D

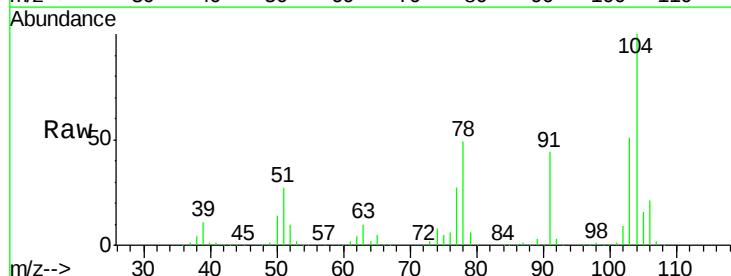
Acq: 16 Jan 2020 10:40

Tgt Ion:104 Resp: 640758

Ion Ratio Lower Upper

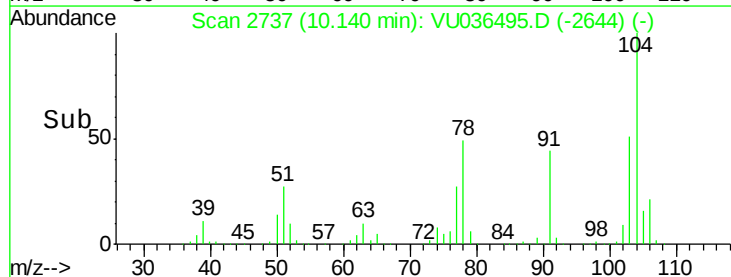
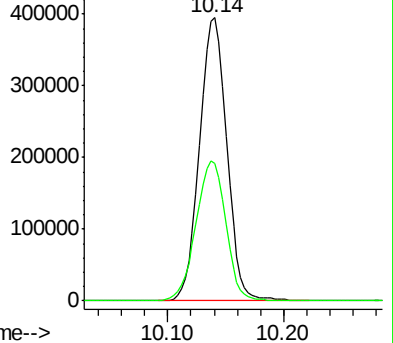
104 100

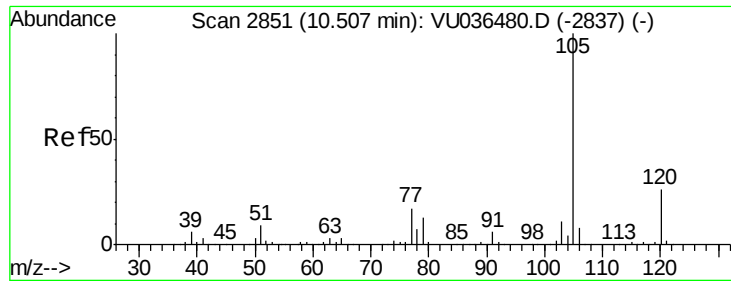
78 48.6 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.038 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

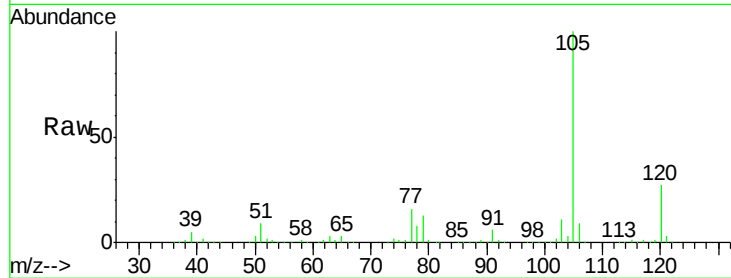
Tgt Ion: 105 Resp: 1013747

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

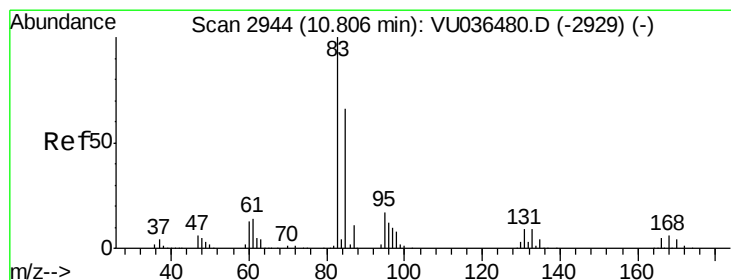
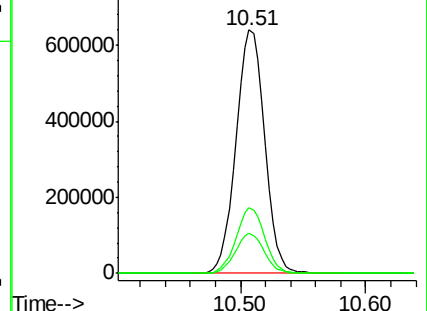
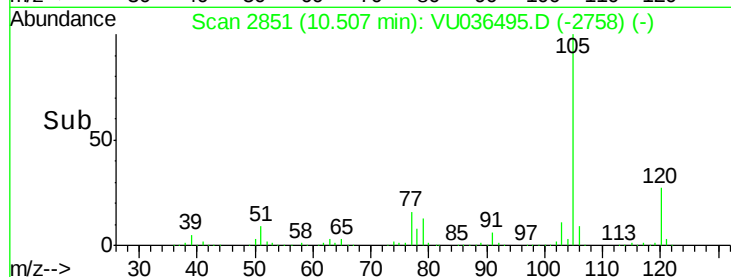
77 16.4 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.754 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

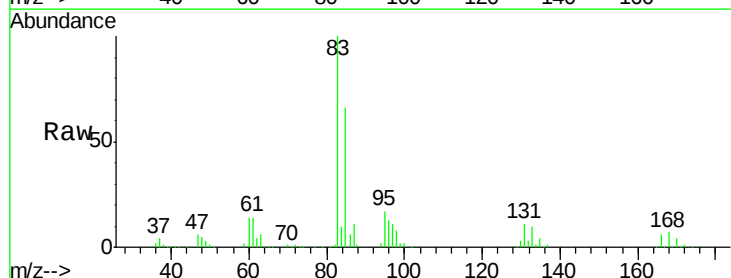
Tgt Ion: 83 Resp: 367672

Ion Ratio Lower Upper

83 100

85 66.4 44.7 82.9

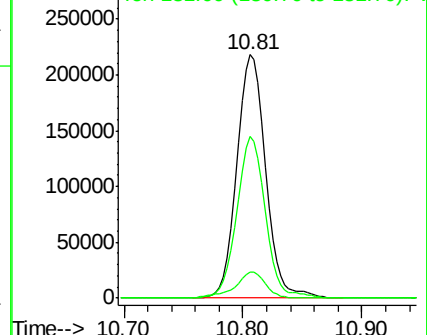
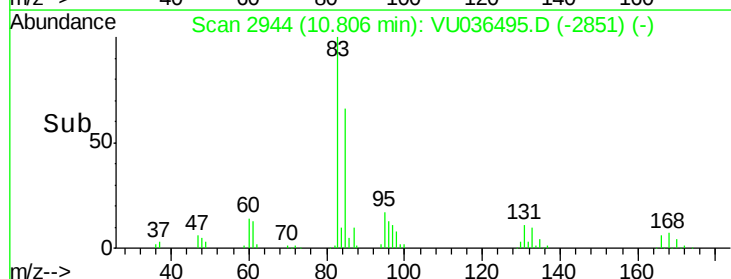
131 10.6 7.0 10.6#

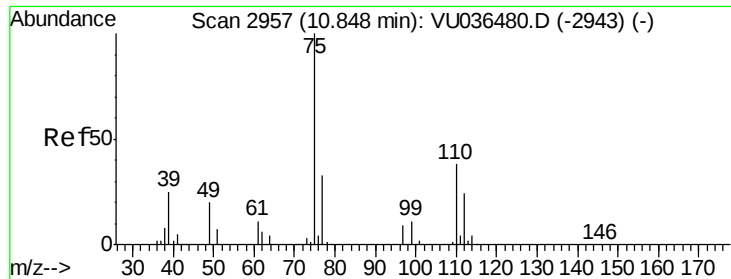


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.555 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

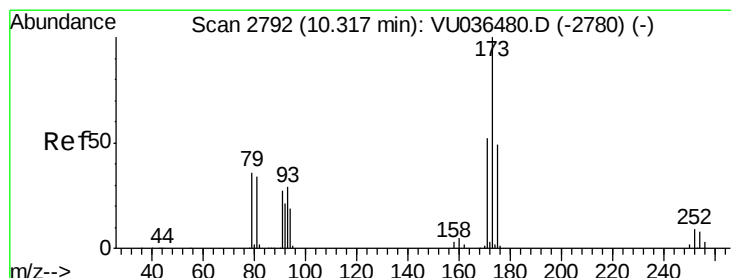
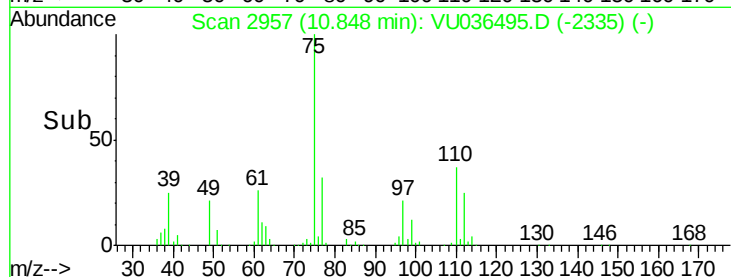
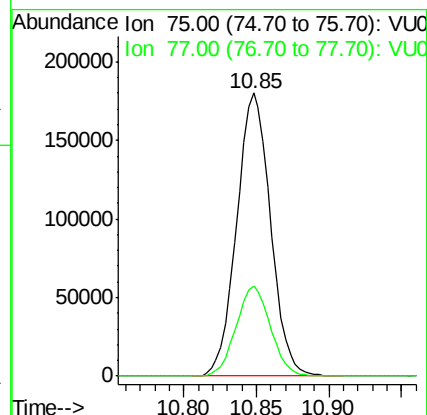
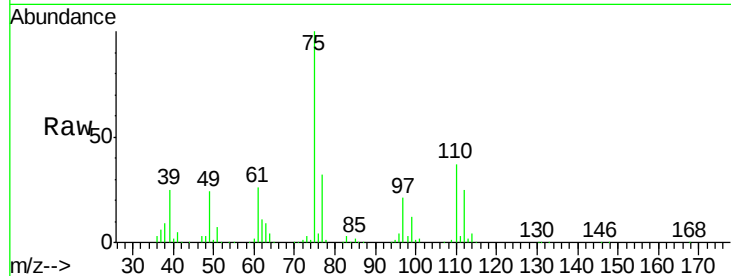
VSTD05043

Tgt Ion: 75 Resp: 291813

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.4



#61

Bromoform

Concen: 44.733 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

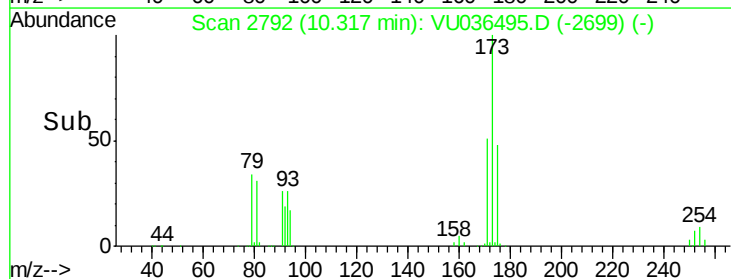
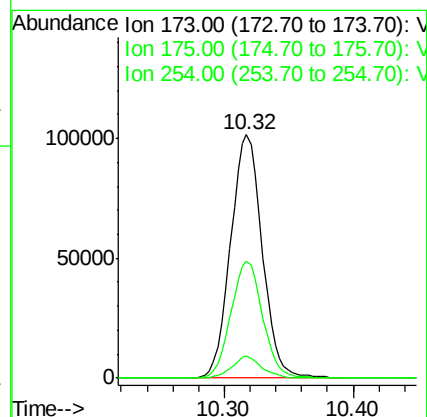
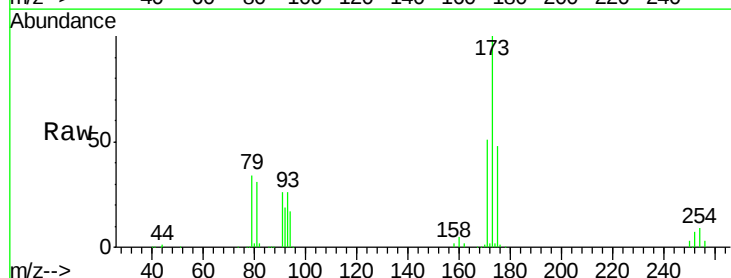
Tgt Ion: 173 Resp: 172975

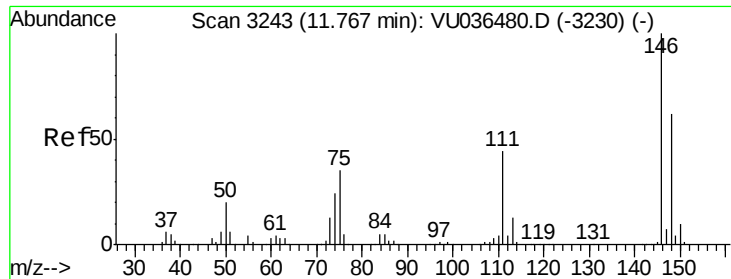
Ion Ratio Lower Upper

173 100

175 47.9 39.6 59.4

254 8.3 6.3 9.5





#62

1,3-Dichlorobenzene

Concen: 50.426 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

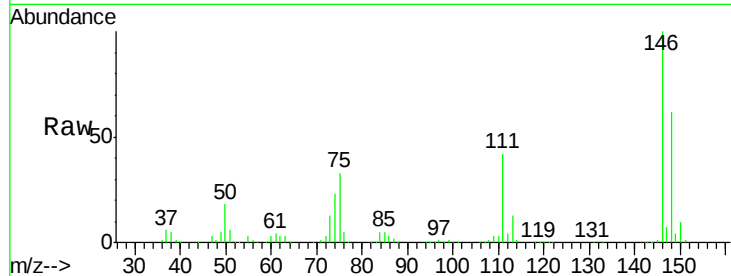
Tgt Ion:146 Resp: 450852

Ion Ratio Lower Upper

146 100

111 42.2 31.3 58.1

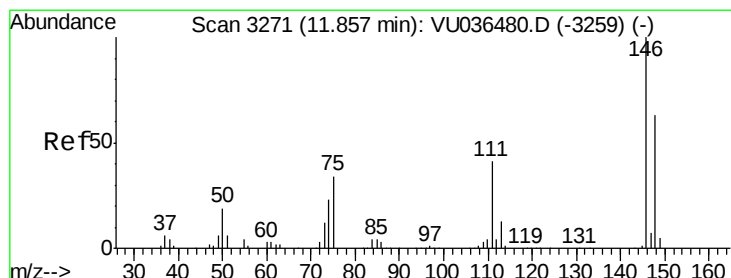
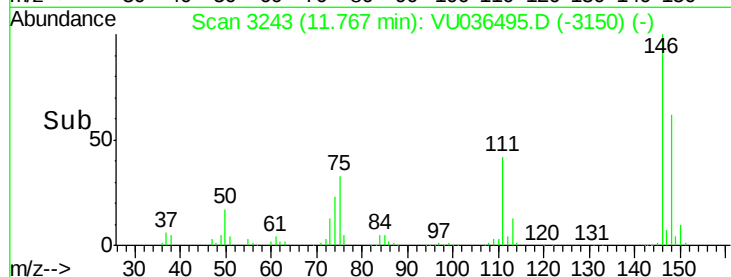
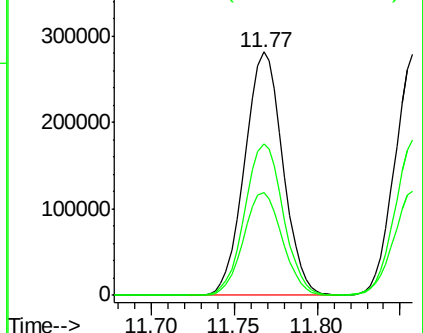
148 62.0 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.007 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

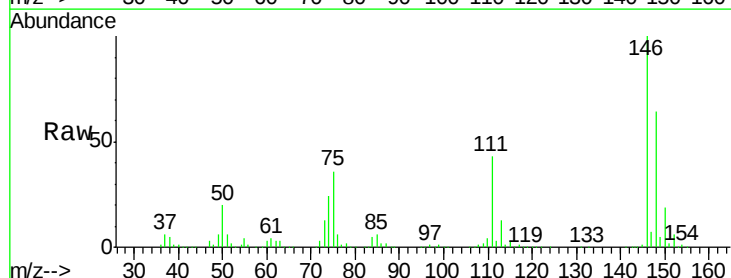
Tgt Ion:146 Resp: 440276

Ion Ratio Lower Upper

146 100

111 43.2 29.3 54.3

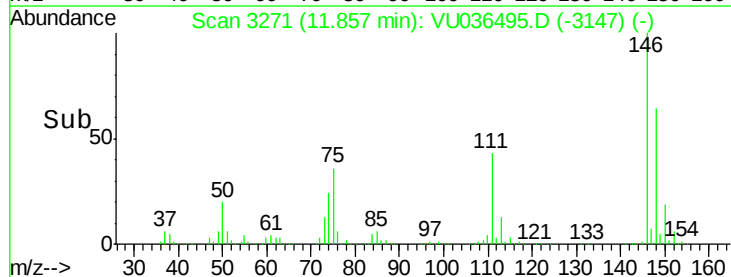
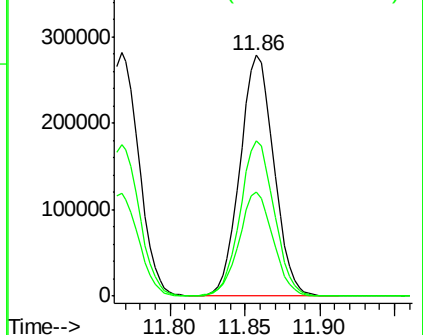
148 64.3 43.8 81.3

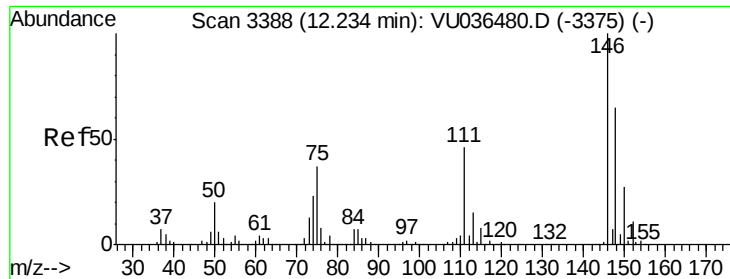


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

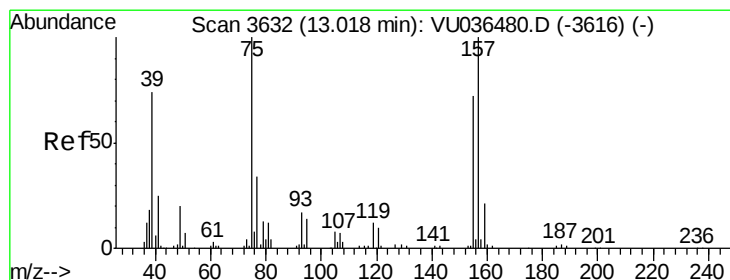
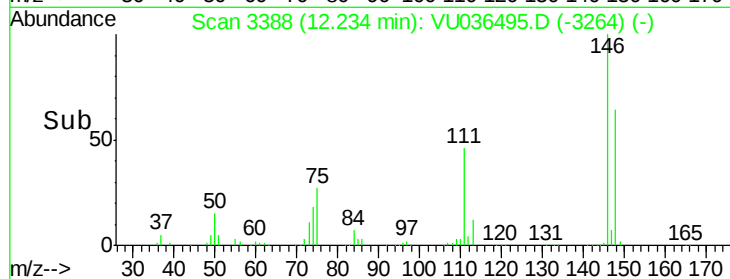
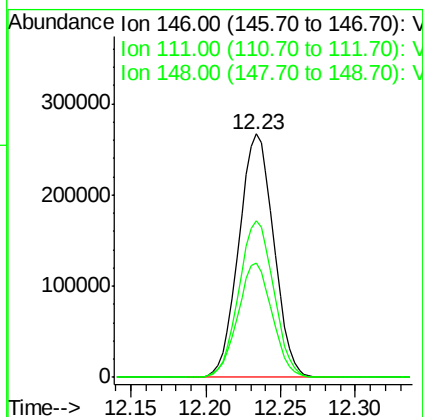
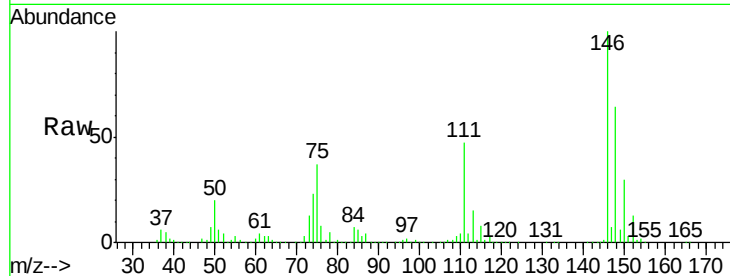




#65
 1,2-Dichlorobenzene
 Concen: 49.141 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036495.D
 Acq: 16 Jan 2020 10:40

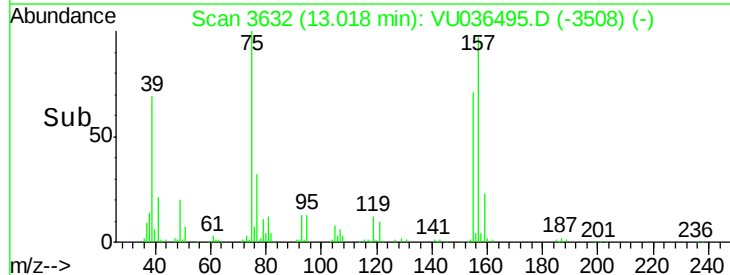
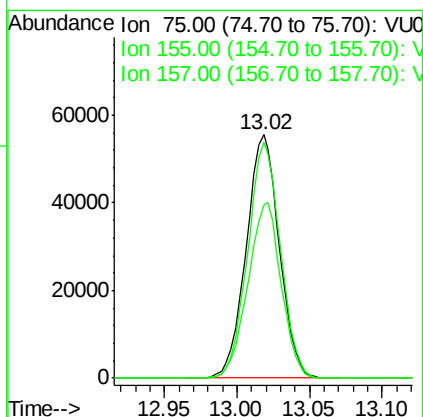
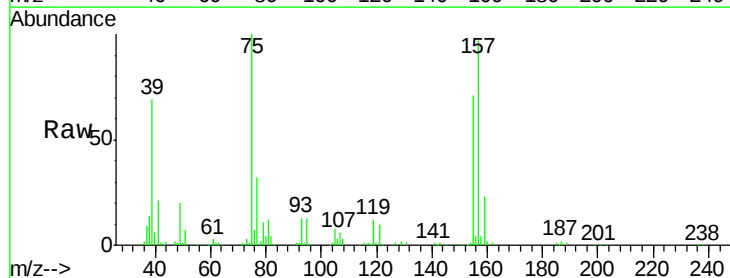
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

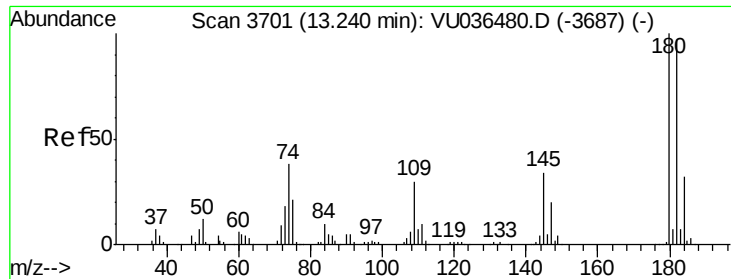
Tgt Ion:146 Resp: 433373
 Ion Ratio Lower Upper
 146 100
 111 46.9 37.0 55.4
 148 64.1 52.3 78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.495 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036495.D
 Acq: 16 Jan 2020 10:40

Tgt Ion: 75 Resp: 88231
 Ion Ratio Lower Upper
 75 100
 155 71.4 59.1 88.7
 157 96.7 72.7 109.1

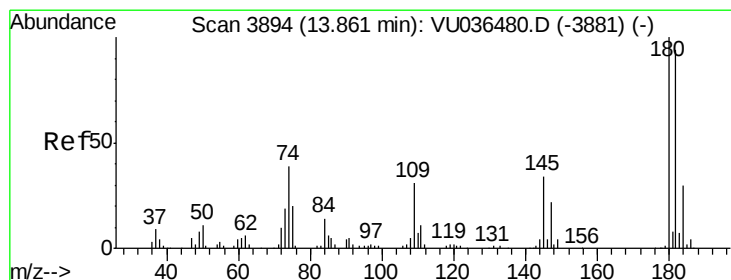
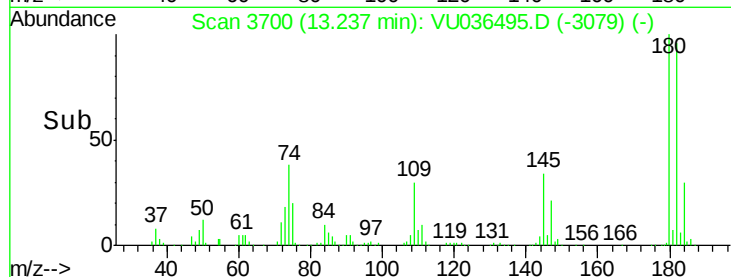
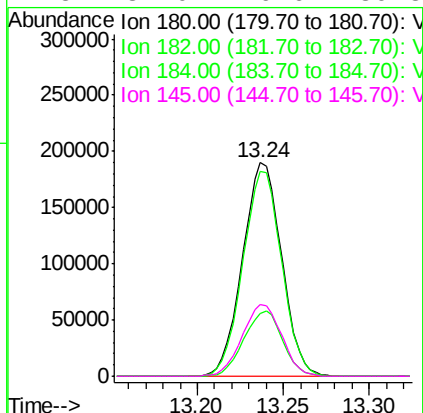
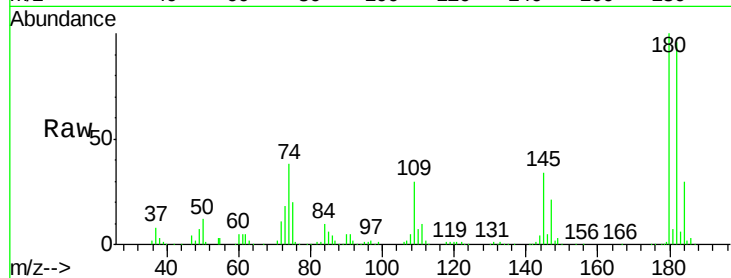




#67
 1,3,5-Trichlorobenzene
 Concen: 55.240 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036495.D
 Acq: 16 Jan 2020 10:40

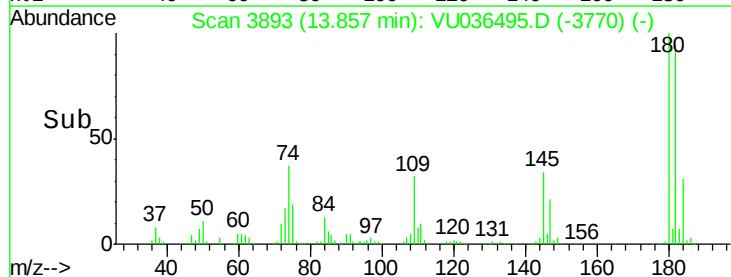
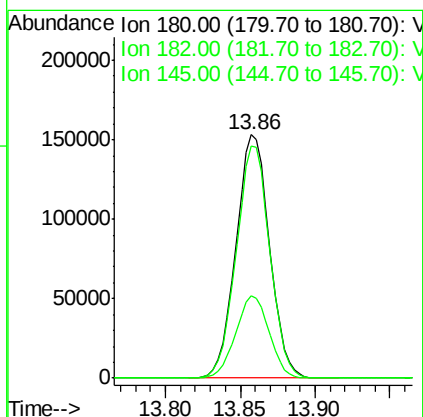
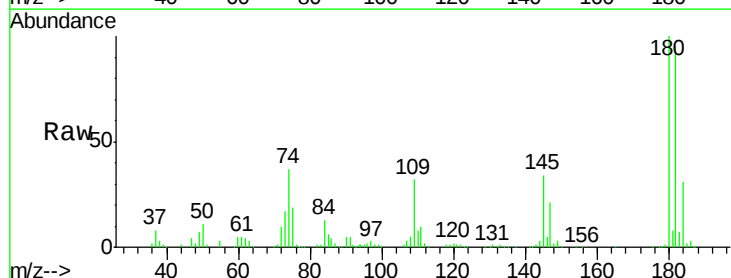
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

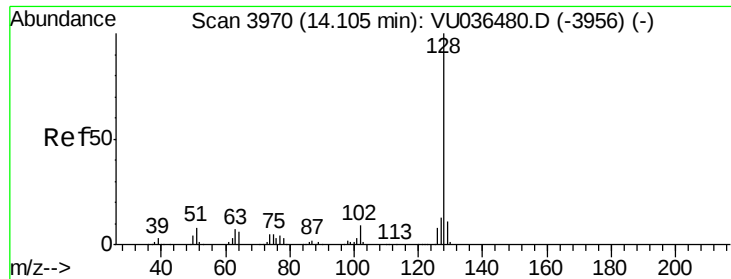
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.6
184	30.4	24.4	36.6
145	34.0	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 59.871 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036495.D
 Acq: 16 Jan 2020 10:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.1	111.1
145	33.7	26.6	40.0





#69

Naphthalene

Concen: 60.342 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

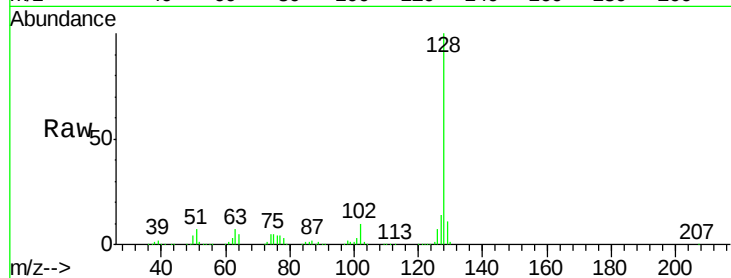
Tgt Ion:128 Resp: 812405

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

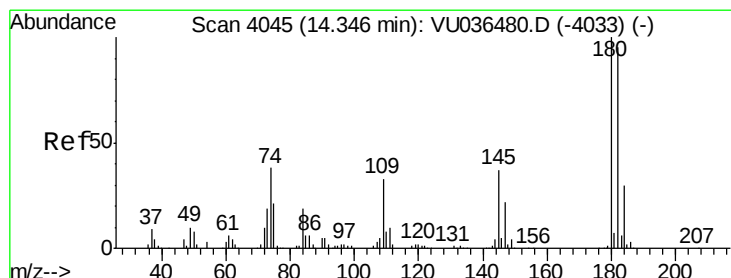
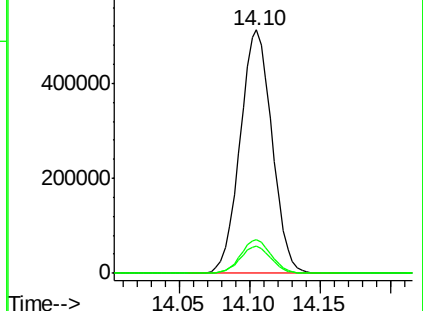
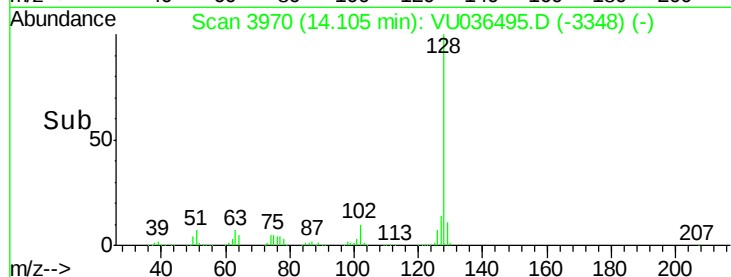
129 10.8 8.6 12.8



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



#70

1,2,3-Trichlorobenzene

Concen: 57.221 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036495.D

Acq: 16 Jan 2020 10:40

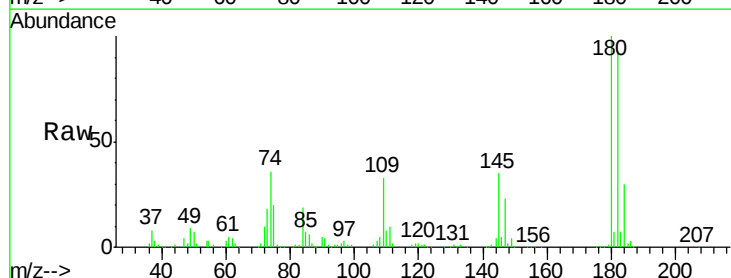
Tgt Ion:180 Resp: 236516

Ion Ratio Lower Upper

180 100

182 94.4 77.1 115.7

145 35.1 29.2 43.8



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

