

Data File : VU033907.D
Acq On : 22 Aug 2019 17:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

Quant Time: Aug 23 02:42:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 02:20:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	616597	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	609049	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	309279	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	247893	45.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.68%
7) Chloroethane-d5	1.67	69	201339	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.88%
11) 1,1-Dichloroethene-d2	2.26	63	449484	46.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.16%
21) 2-Butanone-d5	4.14	46	367609	101.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.03%
24) Chloroform-d	4.62	84	418410	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
26) 1,2-Dichloroethane-d4	5.28	65	263946	46.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.80%
32) Benzene-d6	5.32	84	839427	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.04%
36) 1,2-Dichloropropane-d6	6.31	67	271471	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.72%
41) Toluene-d8	7.54	98	766737	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%
43) trans-1,3-Dichloropropene-	7.83	79	126760	48.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.84%
47) 2-Hexanone-d5	8.29	63	240991	103.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.23%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	383406	47.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.92%
64) 1,2-Dichlorobenzene-d4	11.84	152	286413	45.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	268639	47.062 ug/L	99
3) Chloromethane	1.32	50	265709	48.444 ug/L	100
5) Vinyl chloride	1.39	62	308009	47.809 ug/L	98
6) Bromomethane	1.61	94	132120	52.930 ug/L	98
8) Chloroethane	1.69	64	183143	47.386 ug/L	100
9) Trichlorofluoromethane	1.87	101	354139	46.872 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	203420	47.088 ug/L	99
12) 1,1-Dichloroethene	2.27	96	198071	47.629 ug/L	97
13) Acetone	2.30	43	296072	89.087 ug/L	100
14) Carbon disulfide	2.46	76	624066	46.661 ug/L	99
15) Methyl Acetate	2.60	43	285385	49.309 ug/L	100
16) Methylene chloride	2.68	84	236507	47.203 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	213348	47.765 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	675183	49.939 ug/L	99
19) 1,1-Dichloroethane	3.42	63	424490	47.688 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	241715	49.163 ug/L	99
22) 2-Butanone	4.23	43	415638	99.542 ug/L	99

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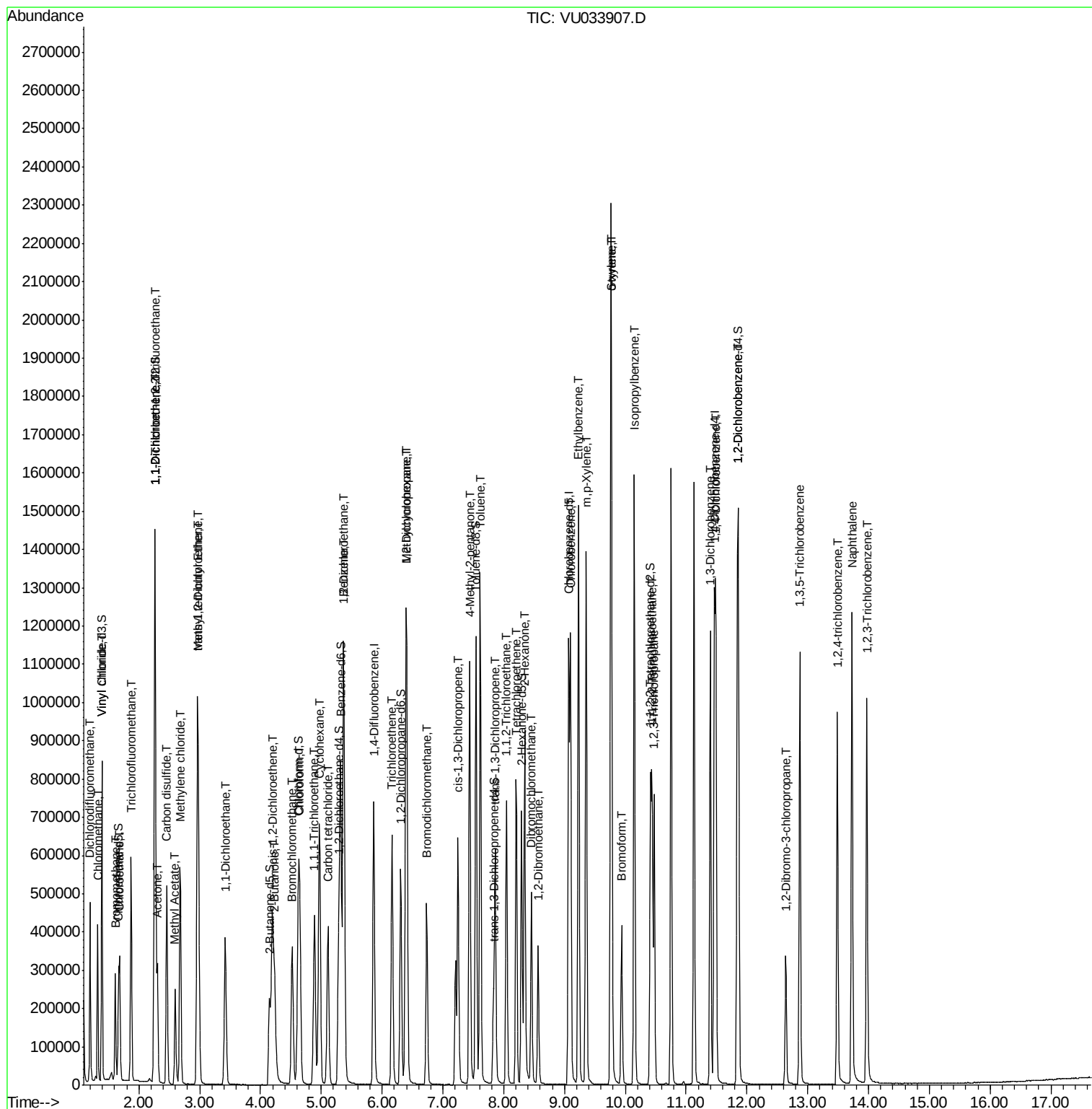
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	120916	47.821	ug/L	98
25) Chloroform	4.65	83	419548	47.590	ug/L	98
27) 1,2-Dichloroethane	5.38	62	331366	47.900	ug/L	100
29) Cyclohexane	4.97	56	362739	51.619	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	339020	48.334	ug/L	99
31) Carbon tetrachloride	5.11	117	302139	48.530	ug/L	100
33) Benzene	5.36	78	919313	49.918	ug/L	100
34) Trichloroethene	6.16	95	228221	47.760	ug/L	98
35) Methylcyclohexane	6.39	83	361603	50.194	ug/L	100
37) 1,2-Dichloropropane	6.41	63	249736	49.567	ug/L	99
38) Bromodichloromethane	6.73	83	314739	48.344	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	383341	51.189	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	747261	103.554	ug/L	99
42) Toluene	7.61	91	951662	49.938	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	344157	50.999	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	224126	48.484	ug/L	98
46) Tetrachloroethene	8.21	164	176901	47.636	ug/L	96
48) 2-Hexanone	8.34	43	588895	105.097	ug/L	99
49) Dibromochloromethane	8.46	129	250301	48.809	ug/L	100
50) 1,2-Dibromoethane	8.57	107	242578	49.208	ug/L	100
51) Chlorobenzene	9.10	112	609480	48.357	ug/L	99
52) Ethylbenzene	9.23	91	1047140	50.871	ug/L	99
53) m,p-Xylene	9.36	106	392890	51.796	ug/L	97
54) o-xylene	9.76	106	383668	51.313	ug/L	98
55) Styrene	9.77	104	667657	52.442	ug/L	100
56) Isopropylbenzene	10.15	105	1008521	51.907	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	396786	49.523	ug/L	97
59) 1,2,3-Trichloropropane	10.48	75	316731	49.189	ug/L	99
61) Bromoform	9.94	173	190237	48.761	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	473734	48.763	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	472788	46.966	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	471498	48.646	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	88262	49.653	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	361792	48.449	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	315328	51.499	ug/L	98
69) Naphthalene	13.73	128	984963	53.878	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	329854	50.976	ug/L	100

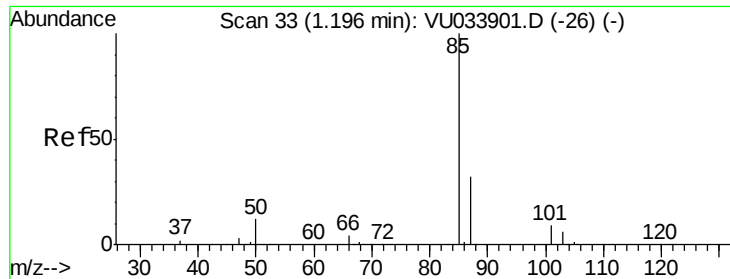
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.062 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

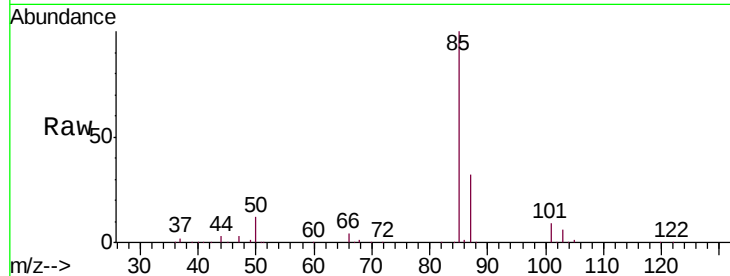
VSTD05050

Tgt Ion: 85 Resp: 268639

Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033907.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033907.D (-1) (-)

1.20

250000

200000

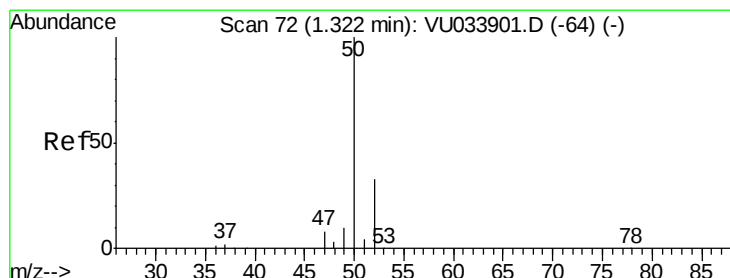
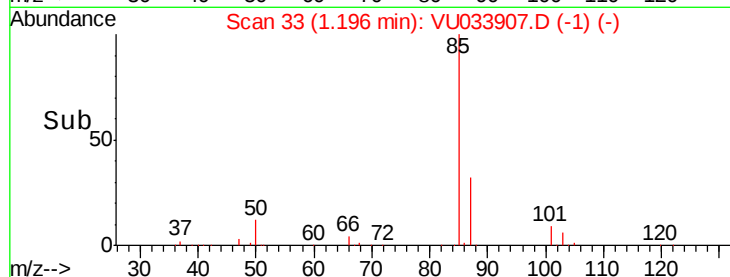
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.444 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033907.D

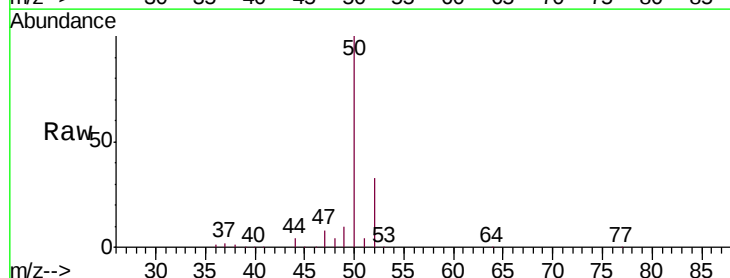
Acq: 22 Aug 2019 17:57

Tgt Ion: 50 Resp: 265709

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033907.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033907.D (-1) (-)

1.32

250000

200000

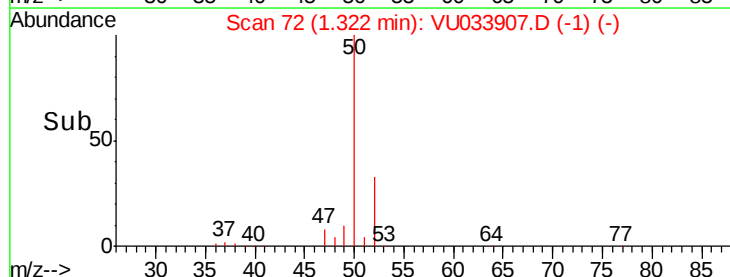
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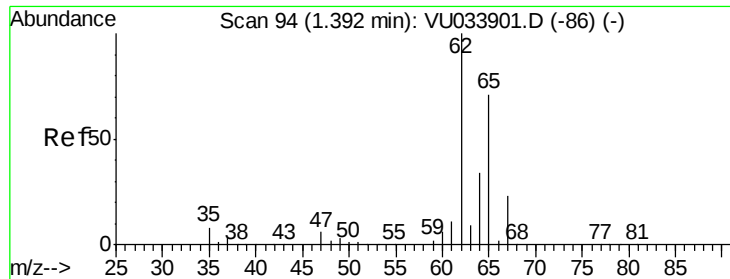
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.809 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

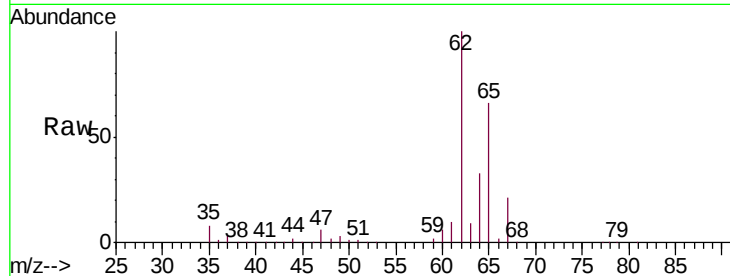
VSTD05050

Tgt Ion: 62 Resp: 308009

Ion Ratio Lower Upper

62 100

64 33.0 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU033907.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033907.D (-86) (-)

1.39

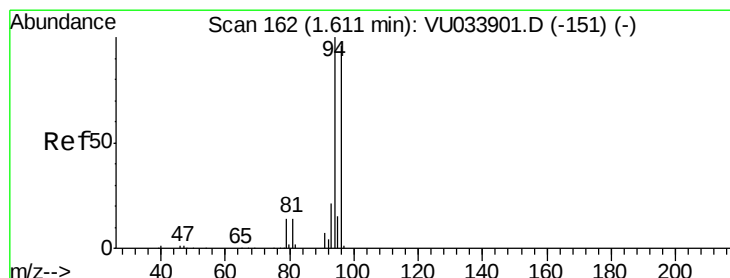
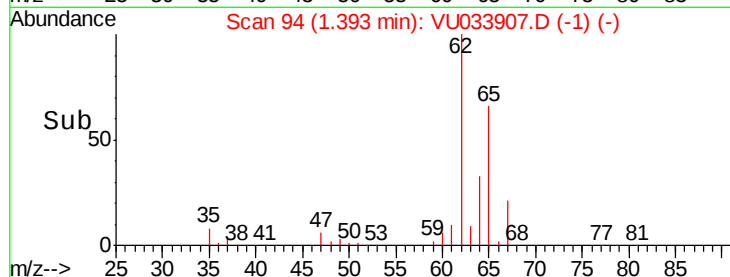
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 52.930 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU033907.D

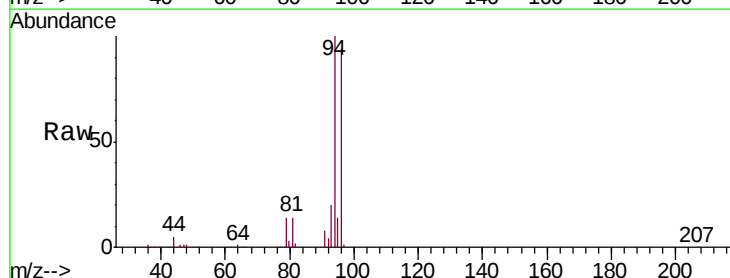
Acq: 22 Aug 2019 17:57

Tgt Ion: 94 Resp: 132120

Ion Ratio Lower Upper

94 100

96 94.4 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU033907.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU033907.D (-151) (-)

1.61

120000

100000

80000

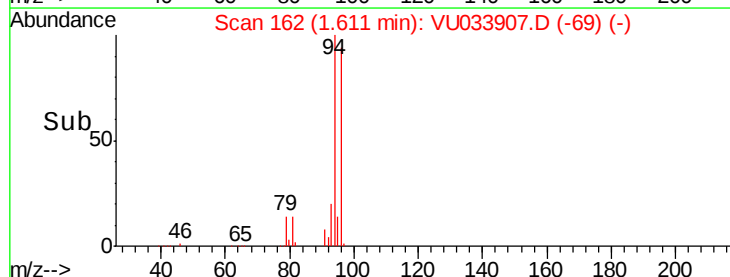
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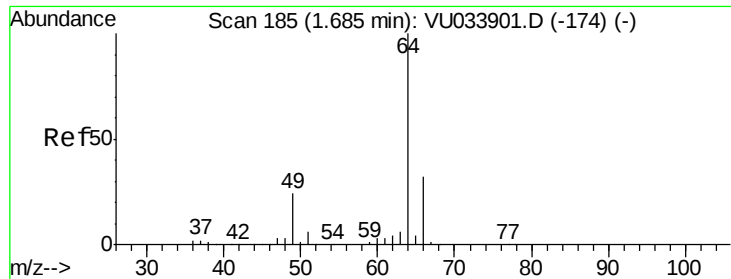
40000

20000

0

Time-->





#8

Chloroethane

Concen: 47.386 ug/L

RT: 1.69 min Scan# 185

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

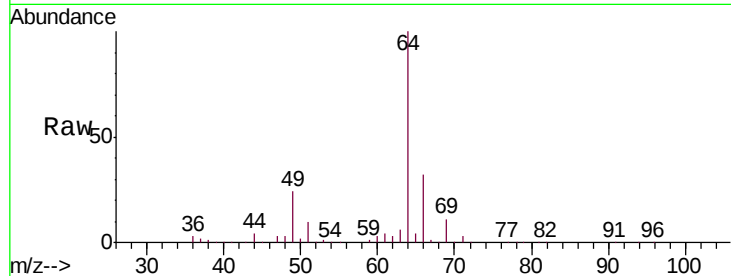
VSTD05050

Tgt Ion: 64 Resp: 183143

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VU033907.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU033907.D (-174) (-)

1.69

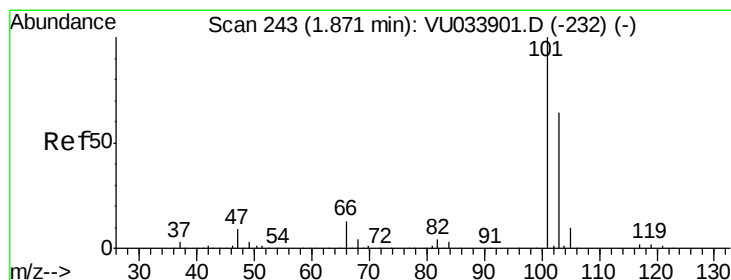
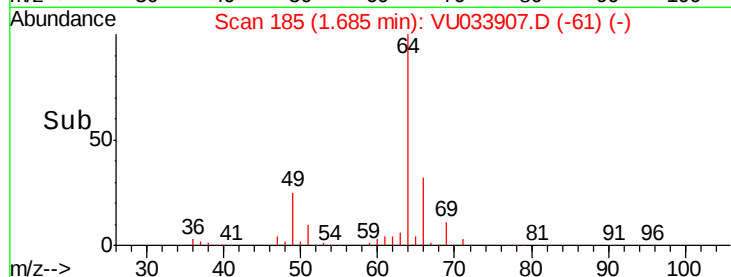
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 46.872 ug/L

RT: 1.87 min Scan# 243

Delta R.T. 0.00 min

Lab File: VU033907.D

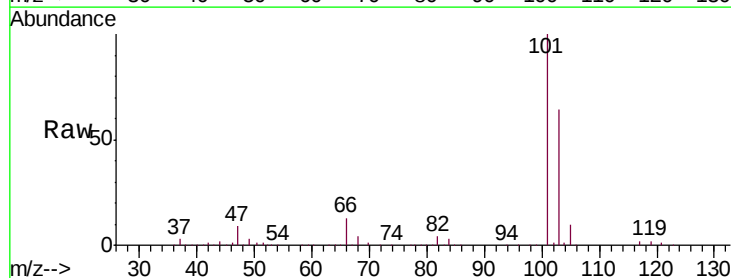
Acq: 22 Aug 2019 17:57

Tgt Ion: 101 Resp: 354139

Ion Ratio Lower Upper

101 100

103 64.4 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU033907.D (-232) (-)

Ion 103.00 (102.70 to 103.70): VU033907.D (-232) (-)

1.87

300000

250000

200000

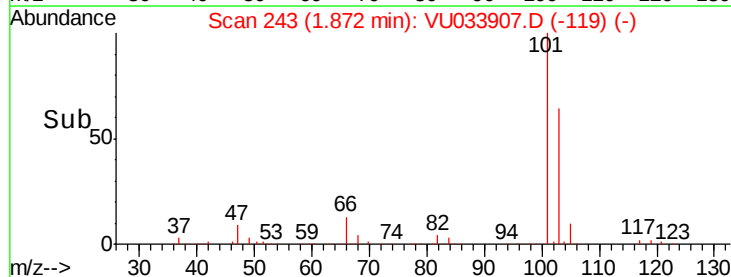
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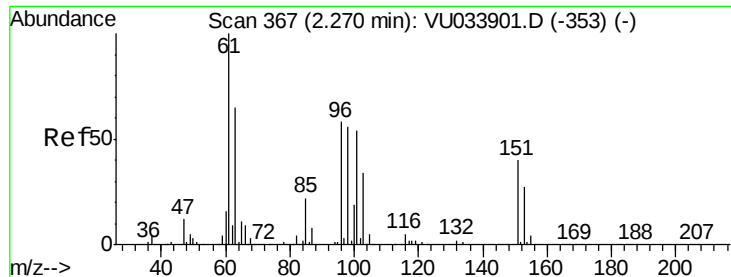
100000

50000

0

Time-->





#10

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

Concen: 47.088 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033907.D

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Instrument :

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ClientSampleId :

VSTD05050

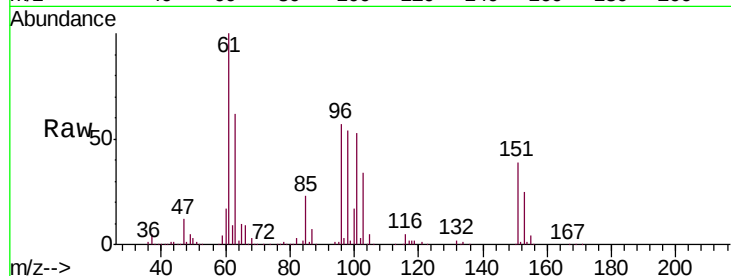
Tgt Ion: 101 Resp: 203420

Ion Ratio Lower Upper

101 100

85 42.3 33.7 50.5

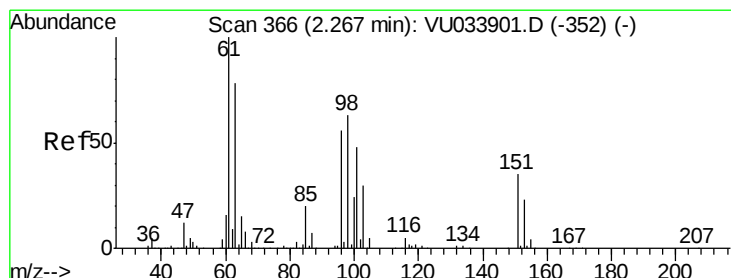
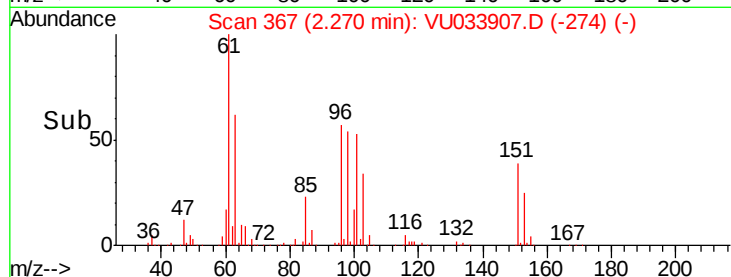
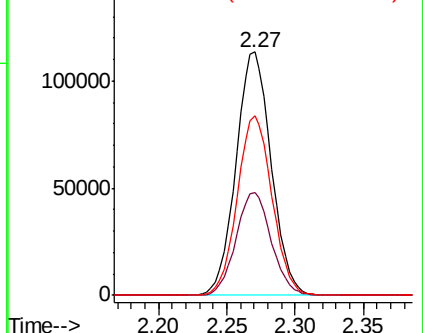
151 73.0 57.8 86.6



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: 47.629 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

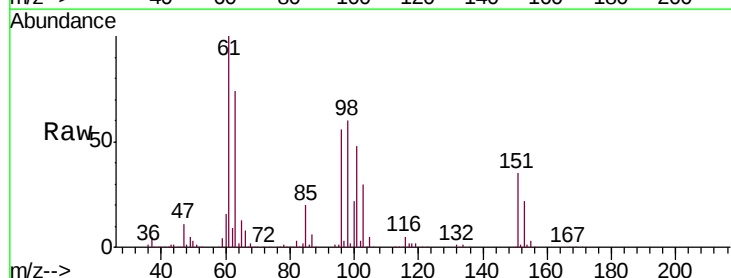
Tgt Ion: 96 Resp: 198071

Ion Ratio Lower Upper

96 100

61 179.4 124.7 231.5

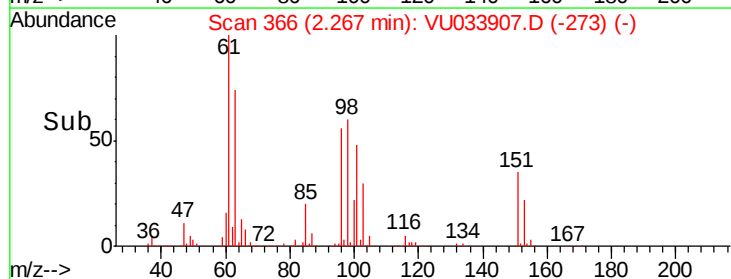
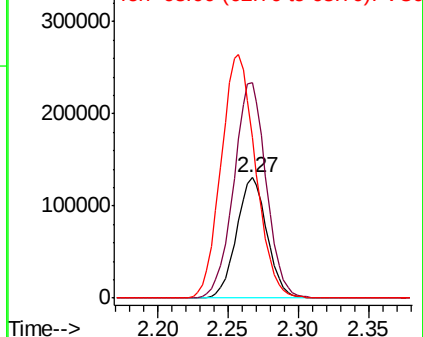
63 133.6 97.9 181.9

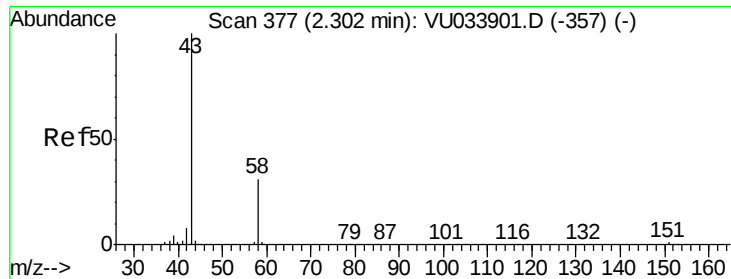


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.087 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

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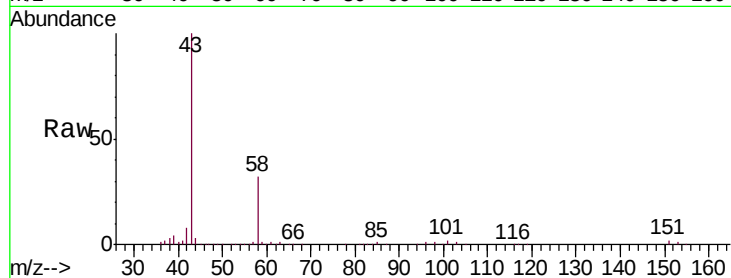
VSTD05050

Tgt Ion: 43 Resp: 296072

Ion Ratio Lower Upper

43 100

58 31.5 0.0 62.4



Abundance Ion 43.00 (42.70 to 43.70): VU033907.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033907.D (-357) (-)

2.30

200000

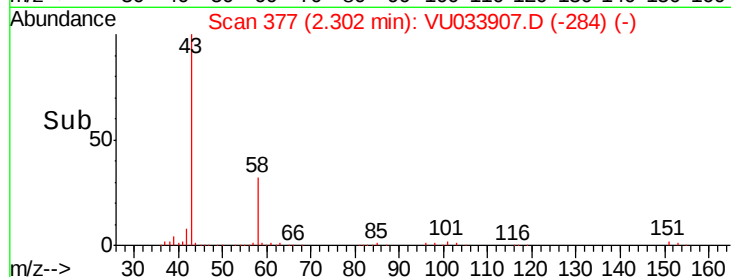
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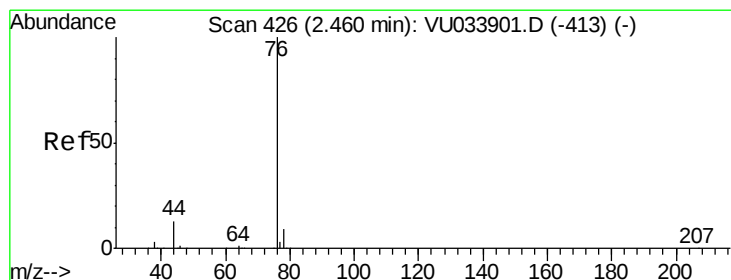
50000

0

Time-->



Time-->



#14

Carbon disulfide

Concen: 46.661 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033907.D

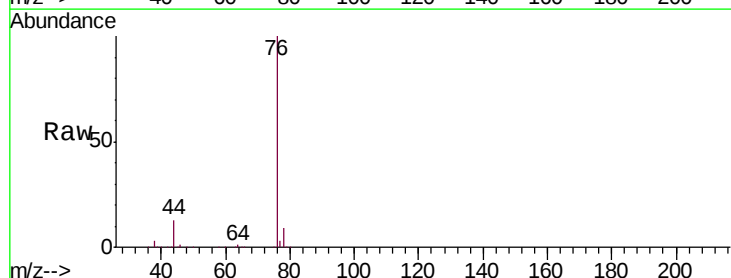
Acq: 22 Aug 2019 17:57

Tgt Ion: 76 Resp: 624066

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033907.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033907.D (-413) (-)

2.46

400000

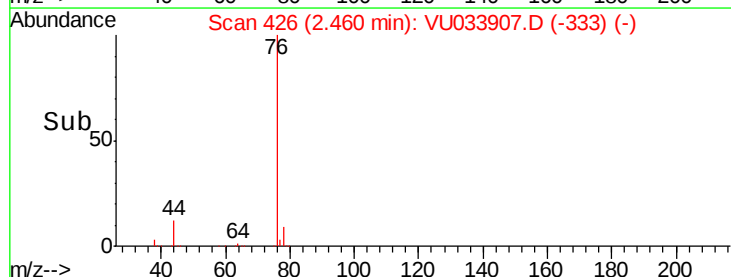
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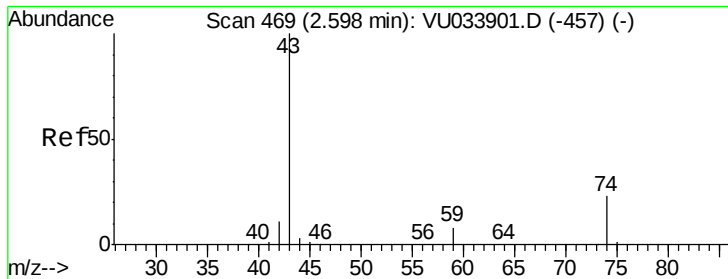
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Time-->



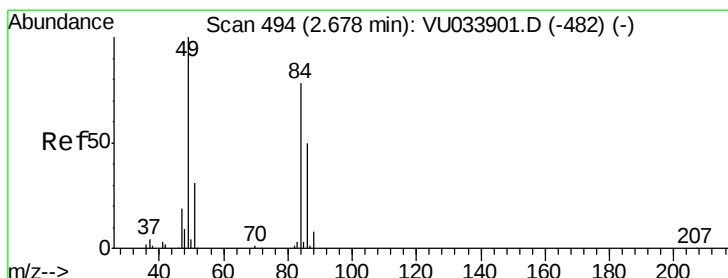
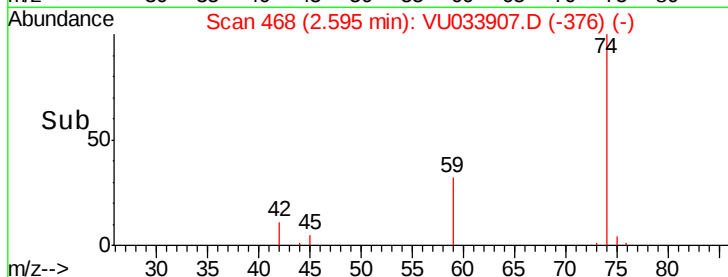
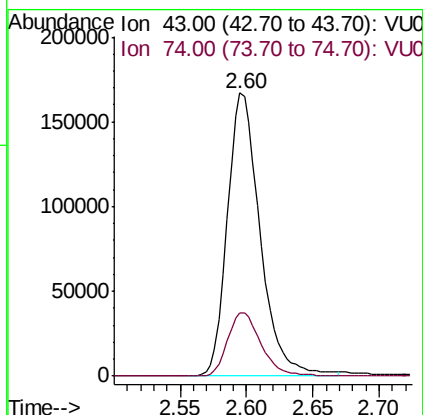
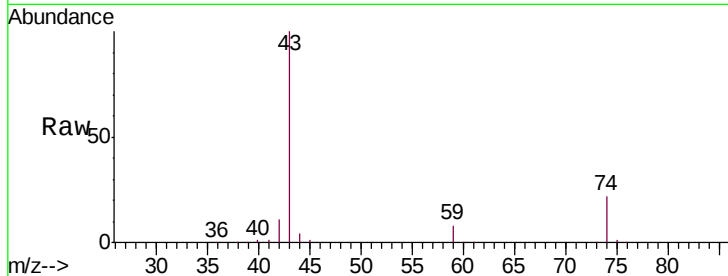
Time-->



#15
Methyl Acetate
Concen: 49.309 ug/L
RT: 2.60 min Scan# 468
Delta R.T. -0.00 min
Lab File: VU033907.D
Acq: 22 Aug 2019 17:57

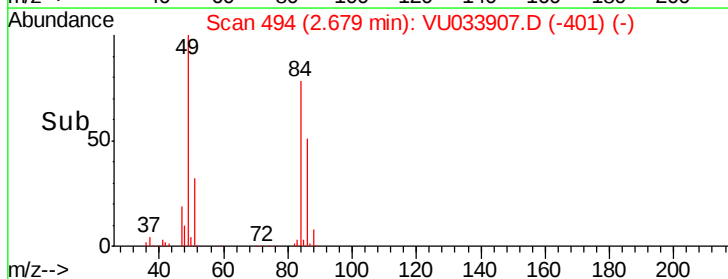
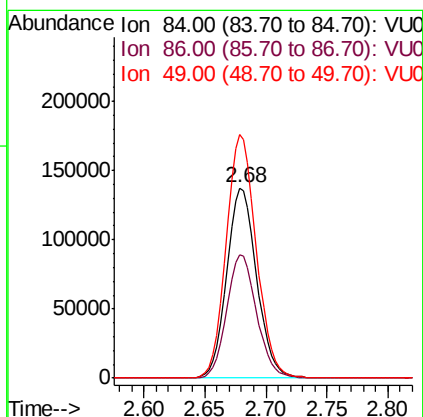
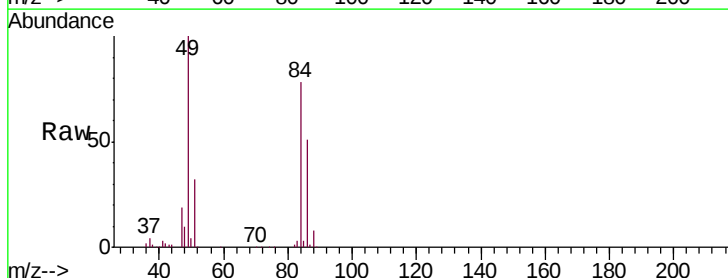
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

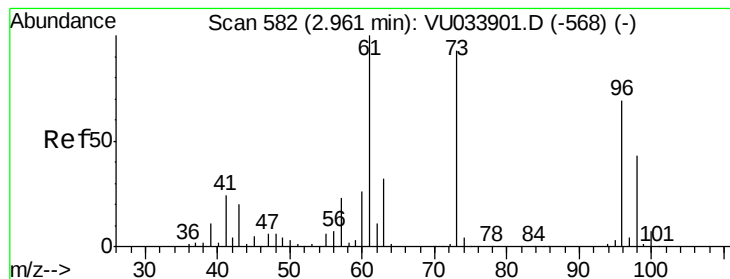
Tgt Ion: 43 Resp: 285385
Ion Ratio Lower Upper
43 100
74 23.1 18.6 27.8



#16
Methylene chloride
Concen: 47.203 ug/L
RT: 2.68 min Scan# 494
Delta R.T. 0.00 min
Lab File: VU033907.D
Acq: 22 Aug 2019 17:57

Tgt Ion: 84 Resp: 236507
Ion Ratio Lower Upper
84 100
86 65.0 45.3 84.1
49 128.2 90.2 167.6





#17

trans-1,2-Dichloroethene

Concen: 47.765 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

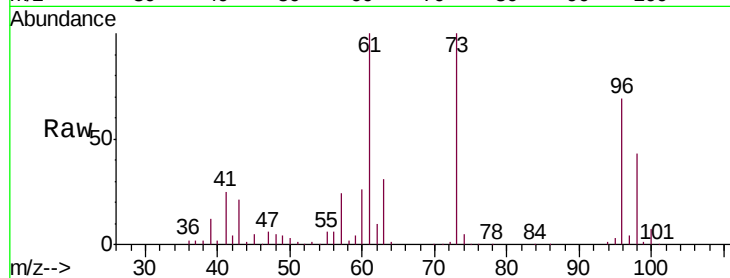
Tgt Ion: 96 Resp: 213348

Ion Ratio Lower Upper

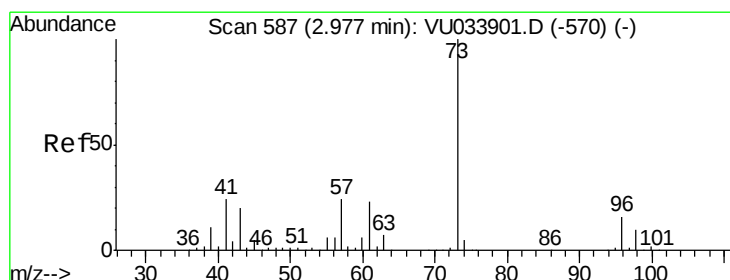
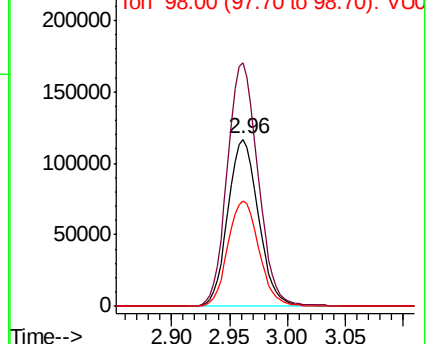
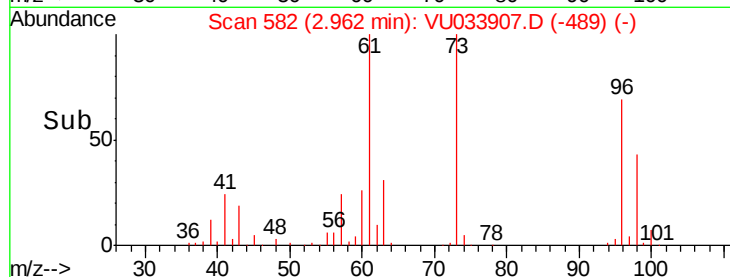
96 100

61 145.8 101.2 187.8

98 63.0 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU033907.D (-489) (-)



#18

Methyl tert-butyl Ether

Concen: 49.939 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

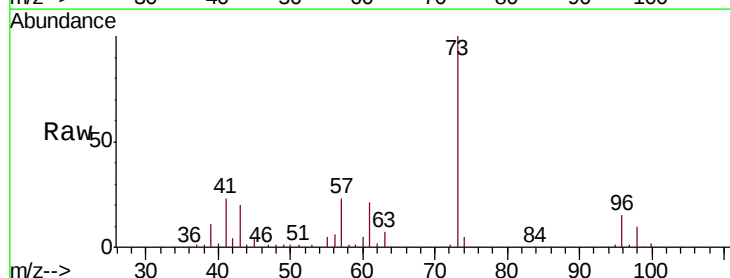
Tgt Ion: 73 Resp: 675183

Ion Ratio Lower Upper

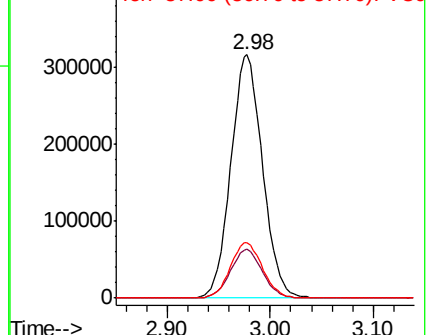
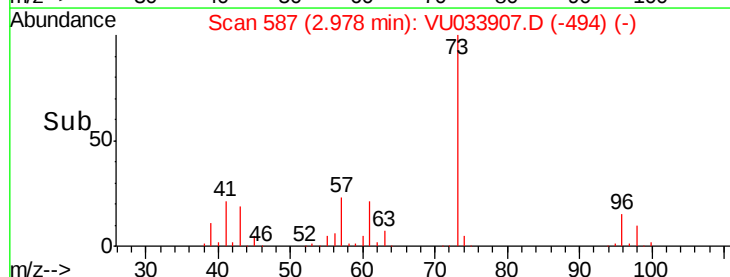
73 100

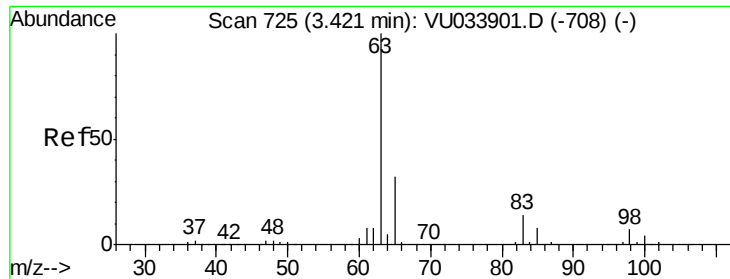
43 20.0 16.3 24.5

57 23.2 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU033907.D (-494) (-)

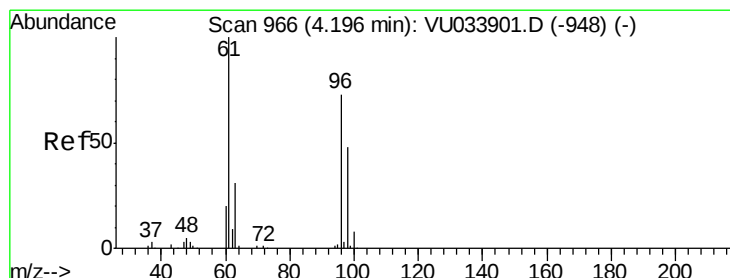
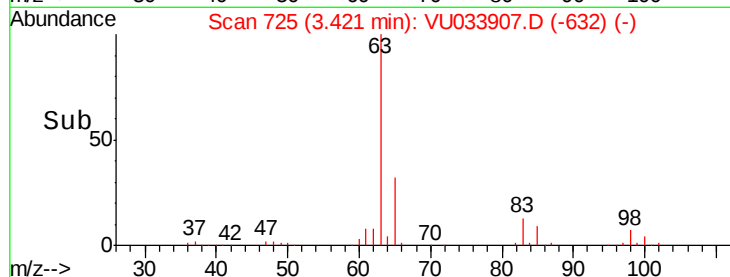
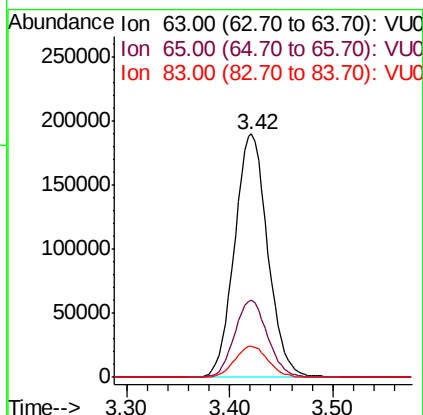
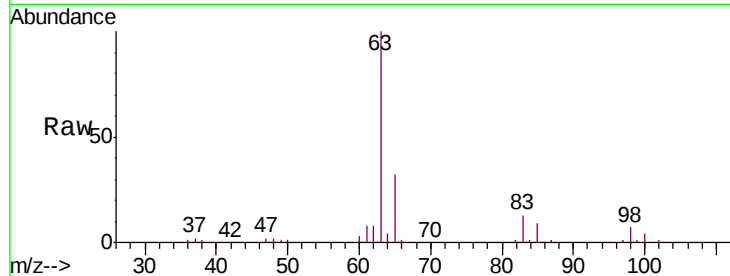




#19
 1,1-Dichloroethane
 Concen: 47.688 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

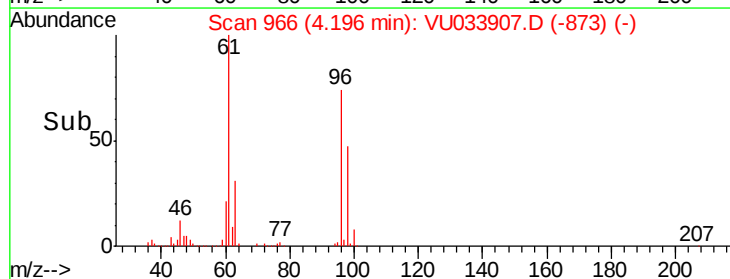
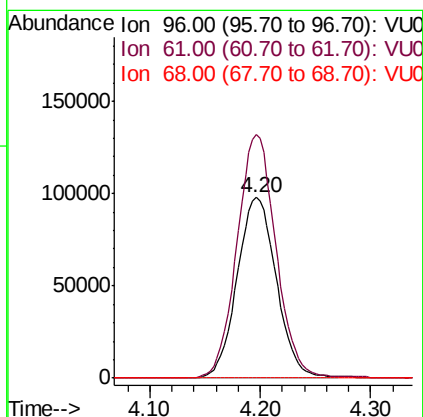
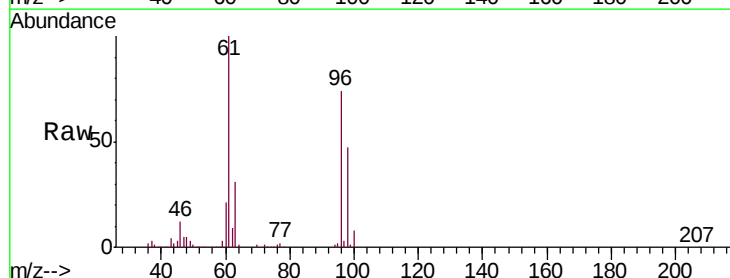
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

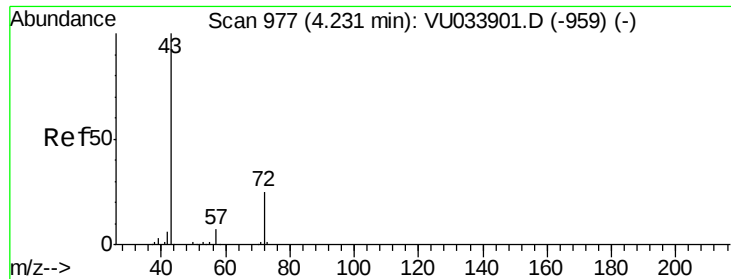
Tgt Ion: 63 Resp: 424490
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.4 41.6
 83 12.9 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 49.163 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

Tgt Ion: 96 Resp: 241715
 Ion Ratio Lower Upper
 96 100
 61 135.1 95.5 177.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.542 ug/L

RT: 4.23 min Scan# 977

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

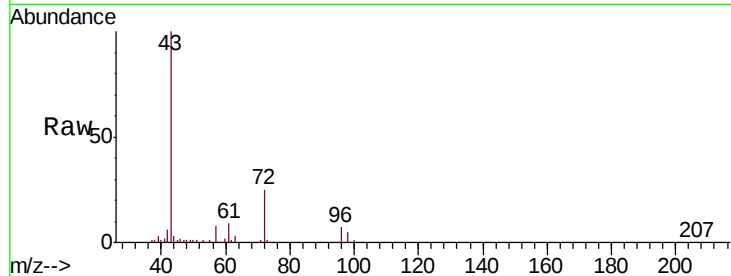
VSTD05050

Tgt Ion: 43 Resp: 415638

Ion Ratio Lower Upper

43 100

72 26.6 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU033907.D (-959) (-)

Ion 72.00 (71.70 to 72.70): VU033907.D (-959) (-)

4.23

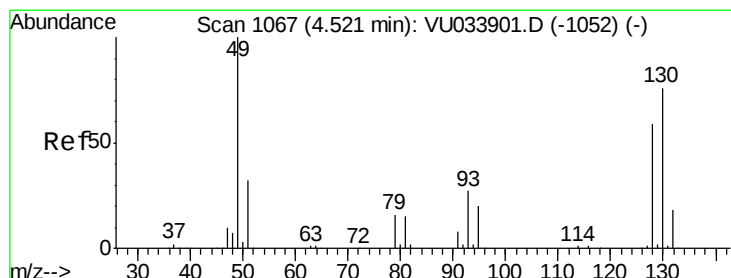
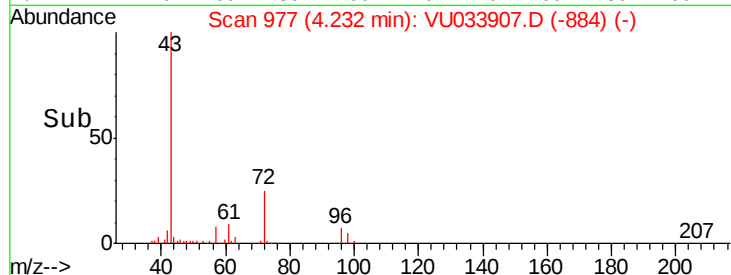
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 47.821 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Tgt Ion: 128 Resp: 120916

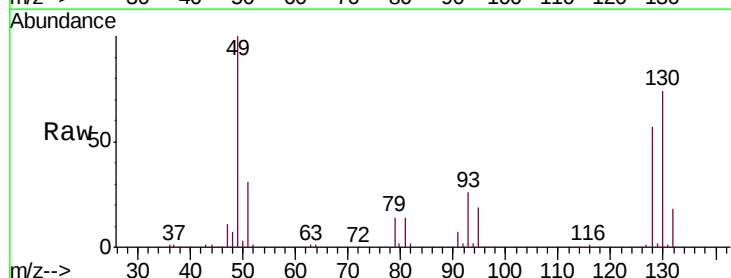
Ion Ratio Lower Upper

128 100

49 174.9 119.4 221.8

130 129.0 90.9 168.7

51 54.5 43.0 64.4



Abundance Ion 128.00 (127.70 to 128.70): VU033907.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VU033907.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VU033907.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VU033907.D (-974) (-)

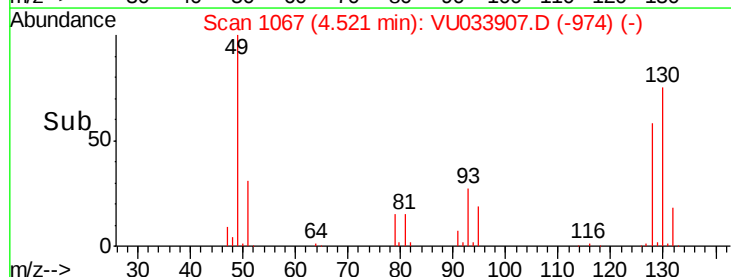
4.52

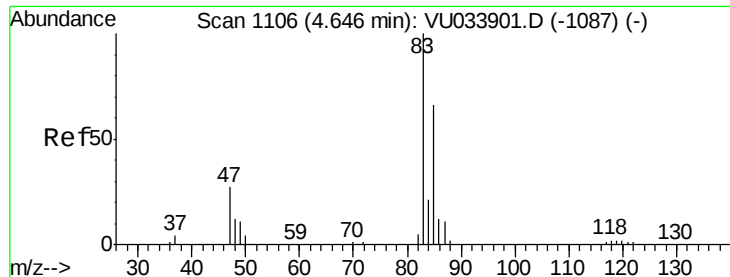
100000

50000

0

Time-->





#25

Chloroform

Concen: 47.590 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

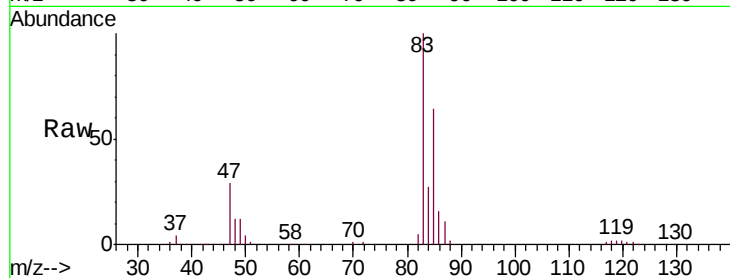
VSTD05050

Tgt Ion: 83 Resp: 419548

Ion Ratio Lower Upper

83 100

85 64.3 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VU033907.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VU033907.D (-1013) (-)

200000

150000

100000

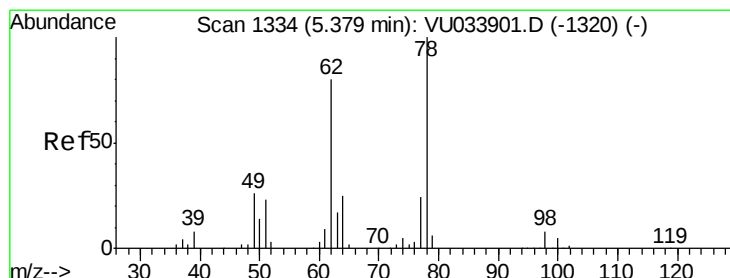
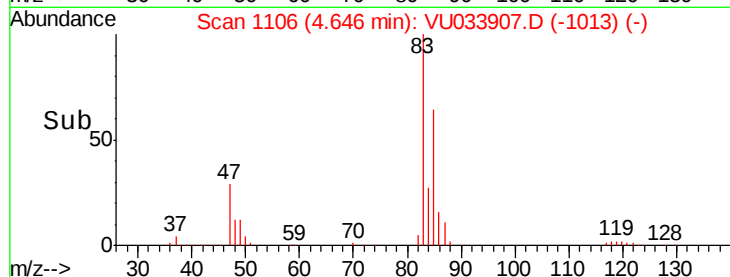
50000

0

4.60

4.70

Time-->



#27

1,2-Dichloroethane

Concen: 47.900 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VU033907.D

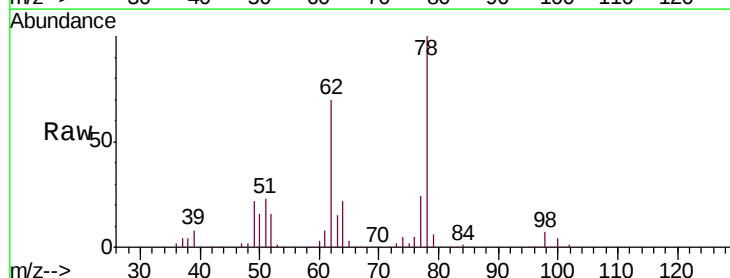
Acq: 22 Aug 2019 17:57

Tgt Ion: 62 Resp: 331366

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU033907.D (-1241) (-)

Ion 98.00 (97.70 to 98.70): VU033907.D (-1241) (-)

150000

100000

50000

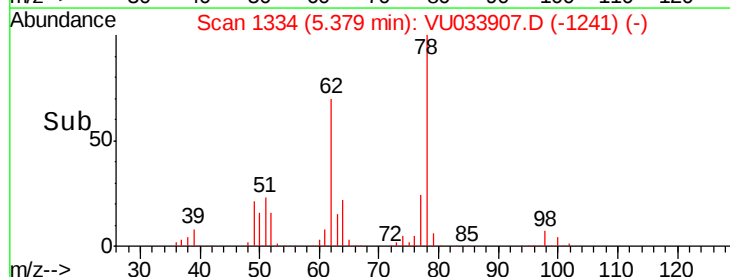
0

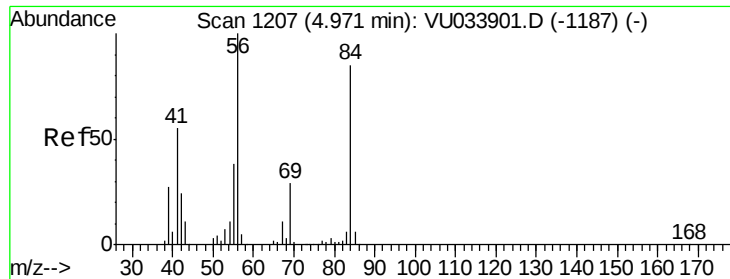
5.30

5.40

5.50

Time-->

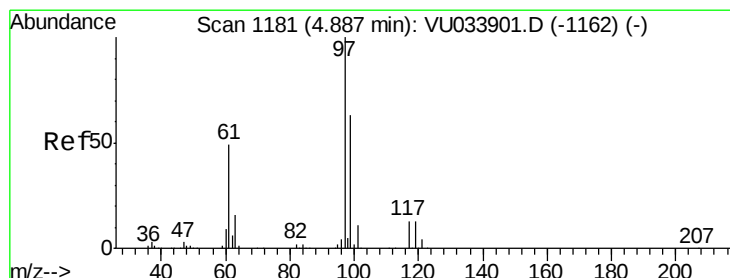
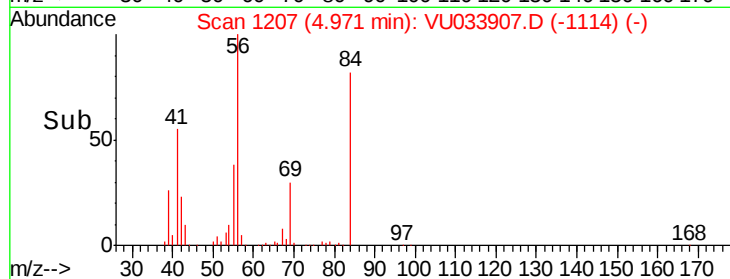
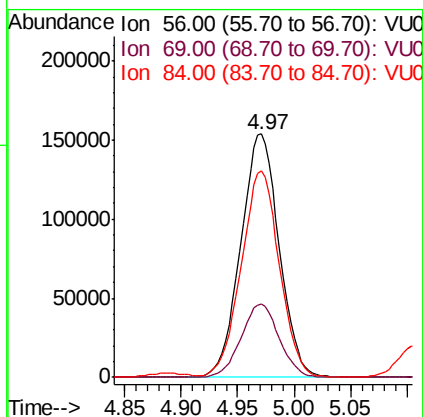
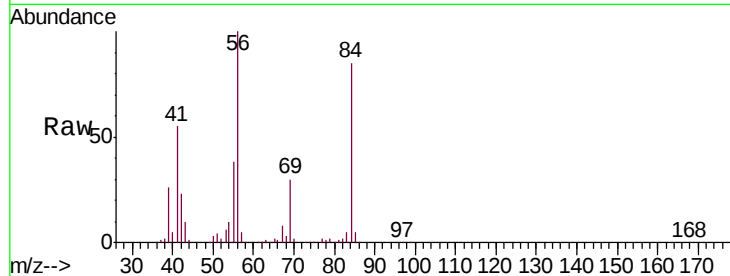




#29
Cyclohexane
Concen: 51.619 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033907.D
Acq: 22 Aug 2019 17:57

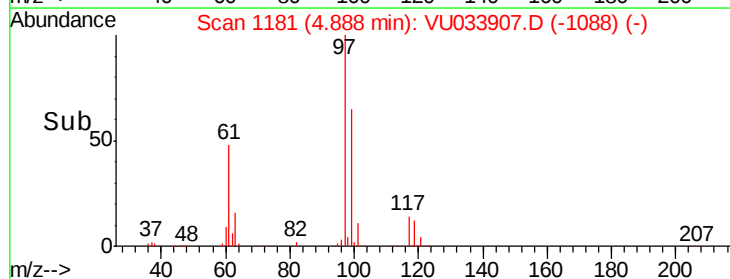
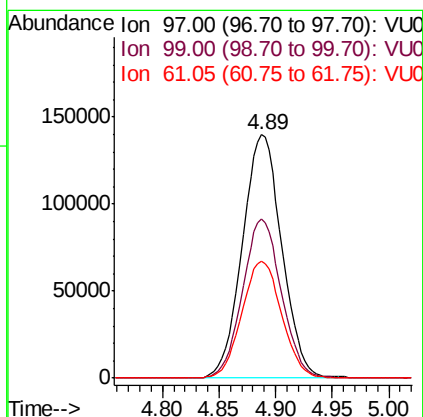
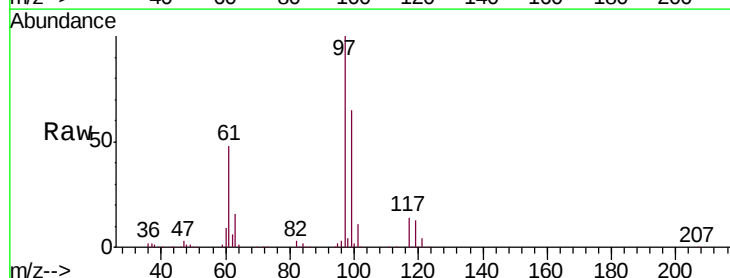
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

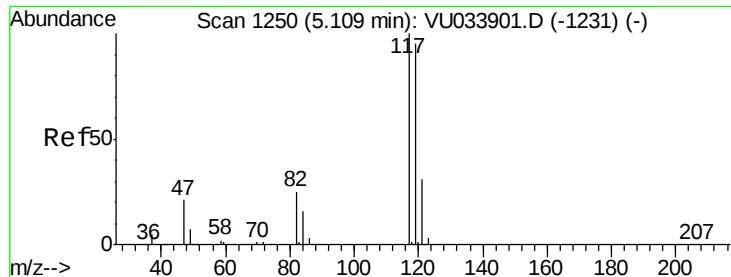
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.1	36.1
84	84.5	68.6	103.0



#30
1,1,1-Trichloroethane
Concen: 48.334 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033907.D
Acq: 22 Aug 2019 17:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	48.4	38.6	57.8



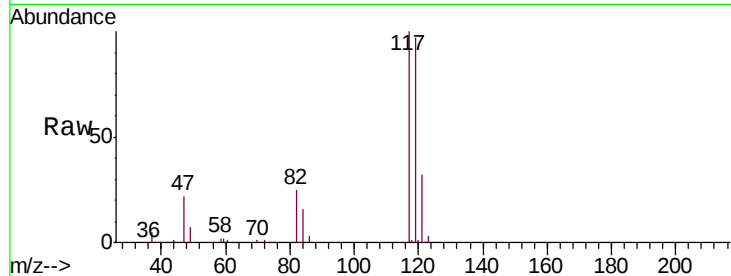


#31

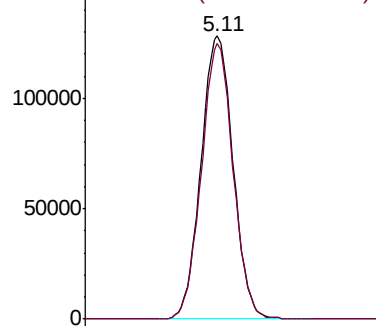
Carbon tetrachloride
Concen: 48.530 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033907.D
Acq: 22 Aug 2019 17:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

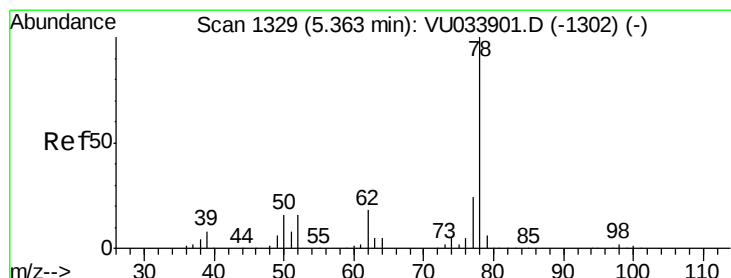
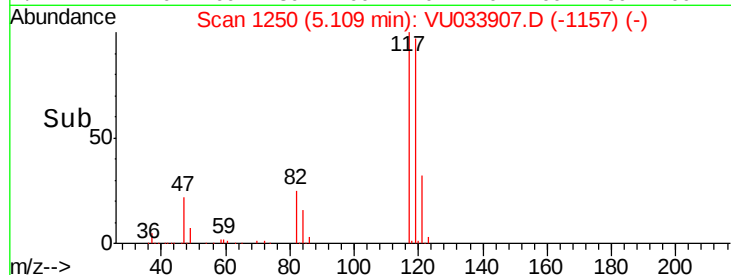
Tgt Ion:117 Resp: 302139
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



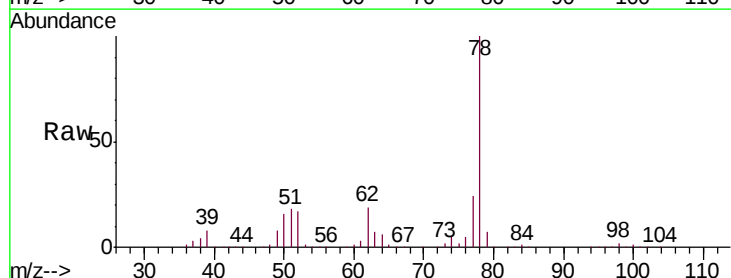
Time-->



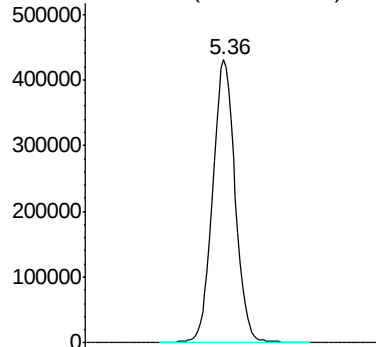
#33

Benzene
Concen: 49.918 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VU033907.D
Acq: 22 Aug 2019 17:57

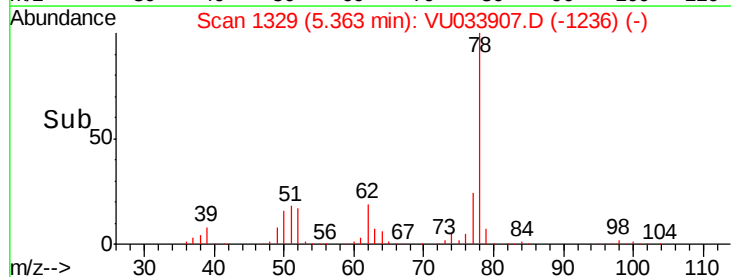
Tgt Ion: 78 Resp: 919313

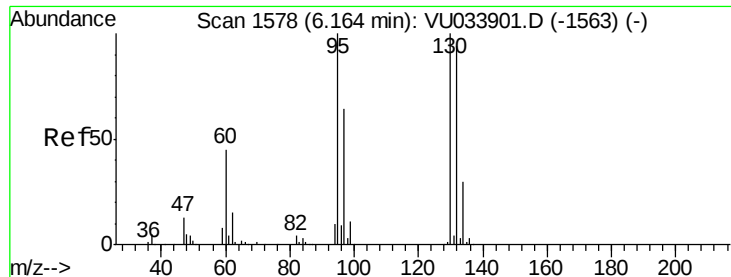


Abundance Ion 78.00 (77.70 to 78.70): VU0



Time-->

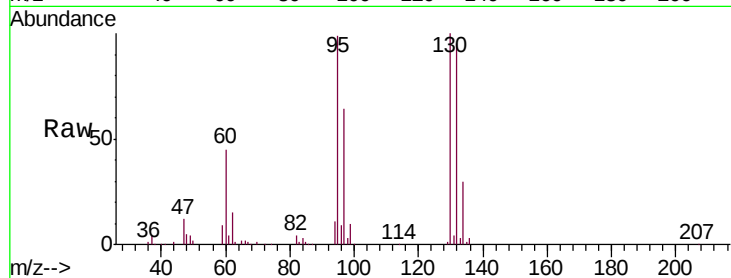




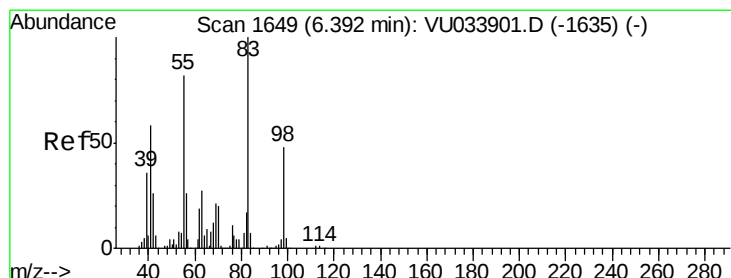
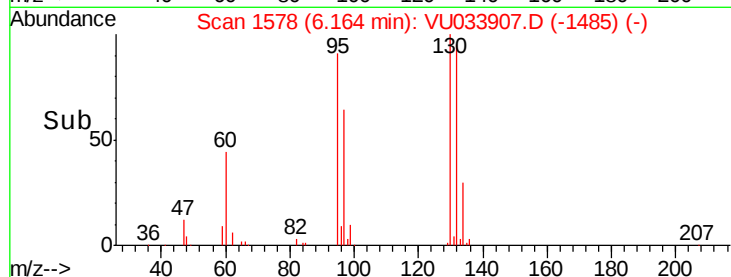
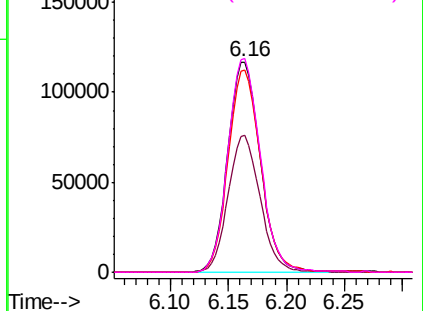
#34
 Trichloroethene
 Concen: 47.760 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Tgt Ion:	95	Resp:	228221
Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.7	82.9
132	96.1	65.7	122.1
130	101.5	70.0	130.0

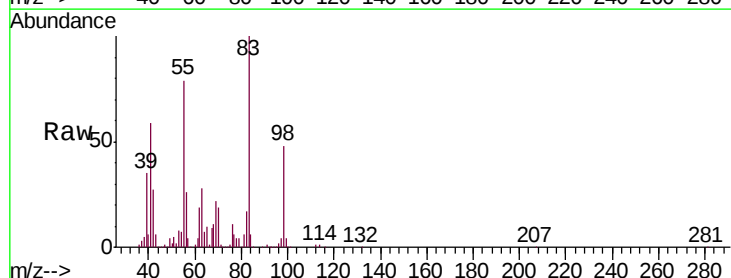


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

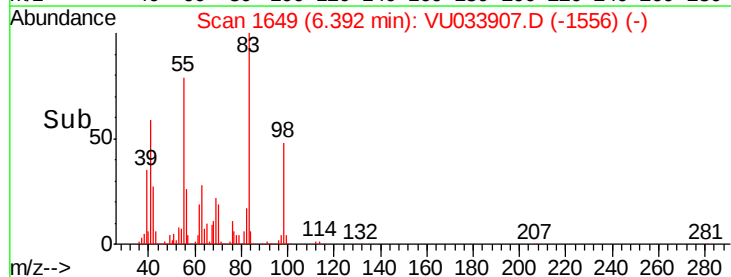
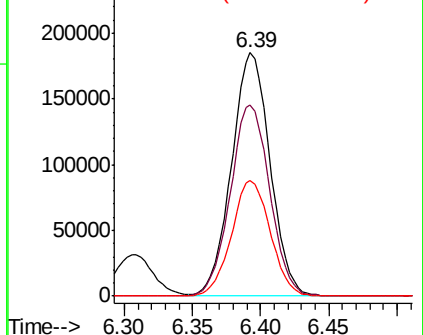


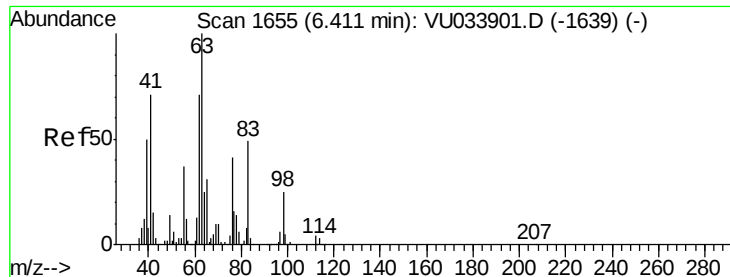
#35
 Methylcyclohexane
 Concen: 50.194 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

Tgt Ion:	83	Resp:	361603
Ion	Ratio	Lower	Upper
83	100		
55	80.9	64.4	96.6
98	48.1	38.7	58.1



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

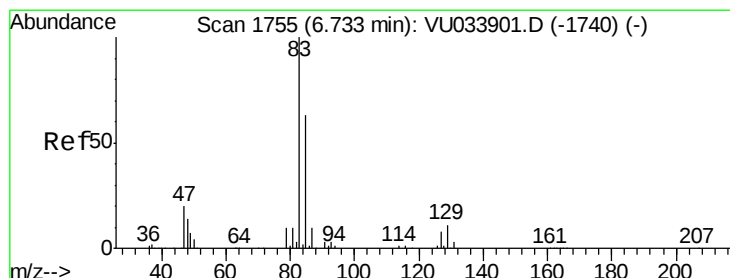
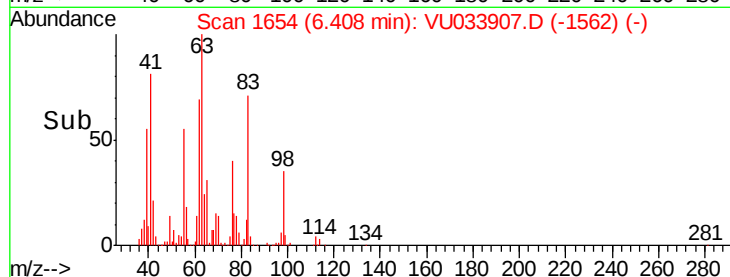
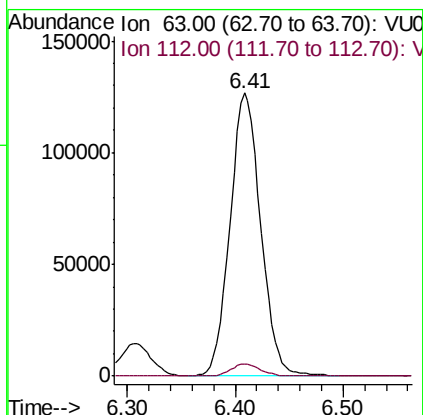
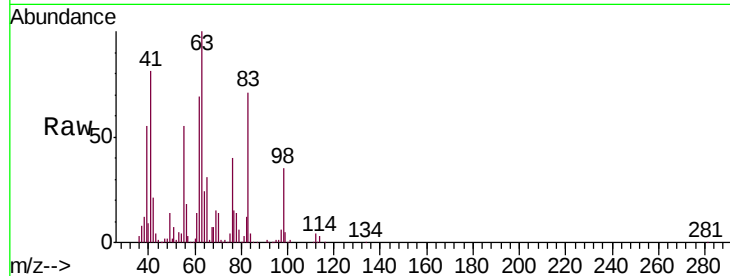




#37
 1,2-Dichloropropane
 Concen: 49.567 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

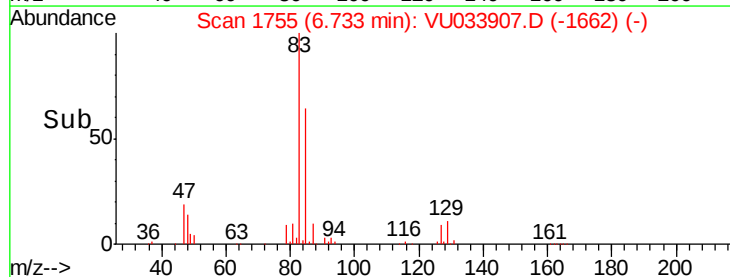
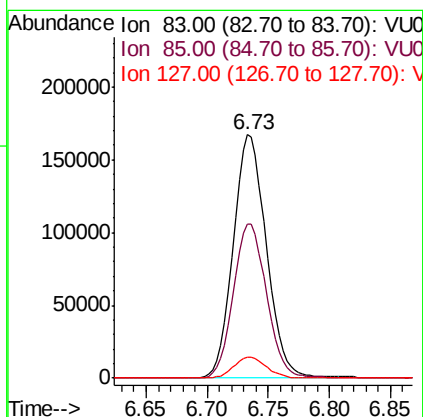
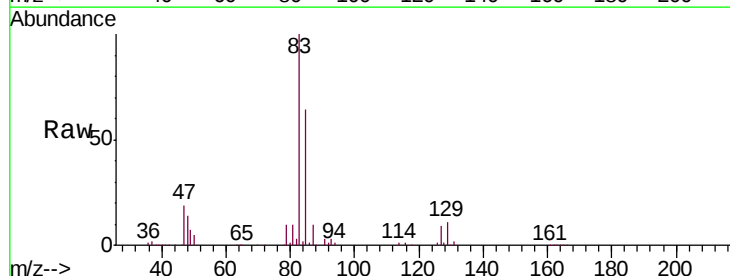
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05050

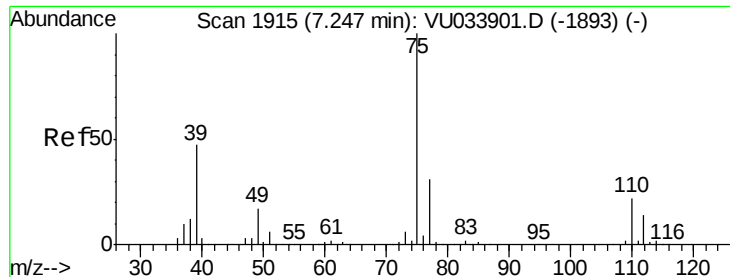
Tgt Ion: 63 Resp: 249736
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 48.344 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

Tgt Ion: 83 Resp: 314739
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.0 81.8
 127 8.6 6.8 10.2

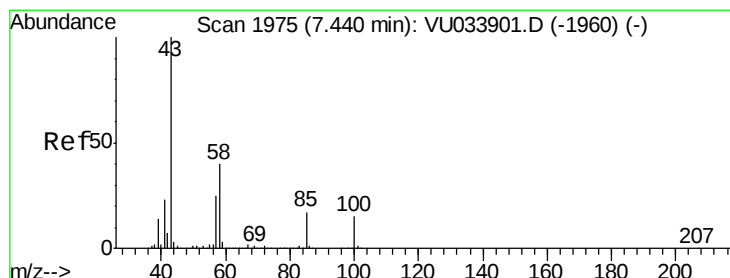
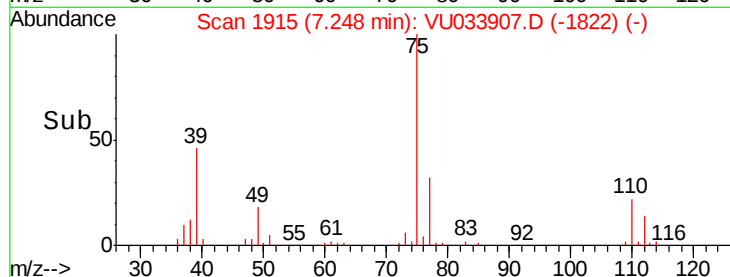
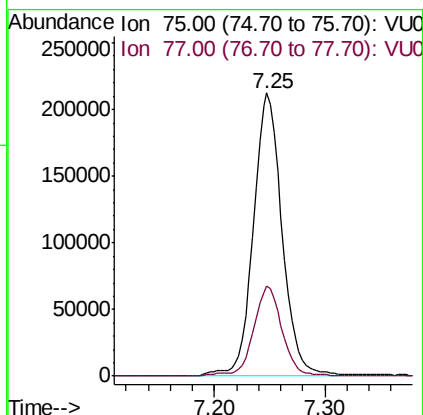
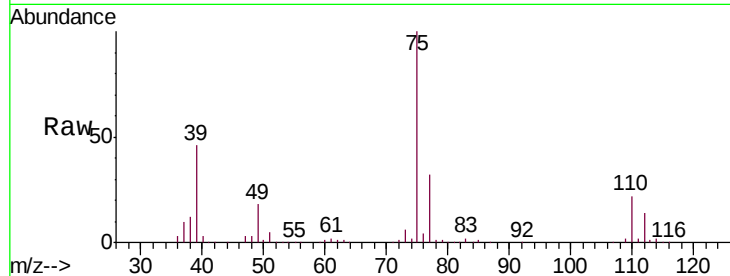




#39
 cis-1,3-Dichloropropene
 Concen: 51.189 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

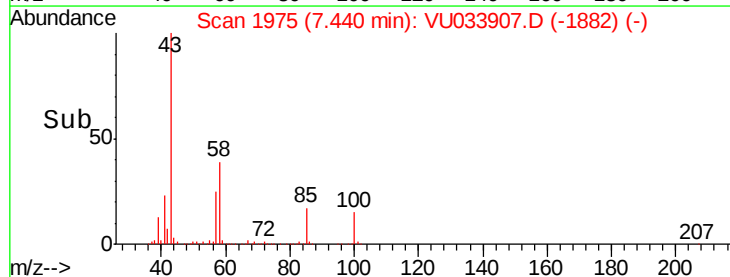
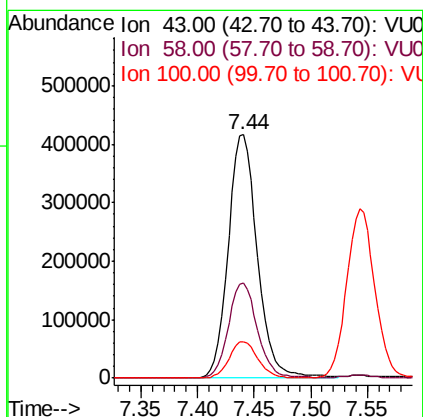
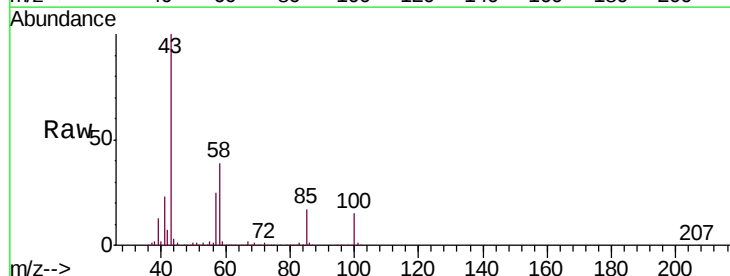
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

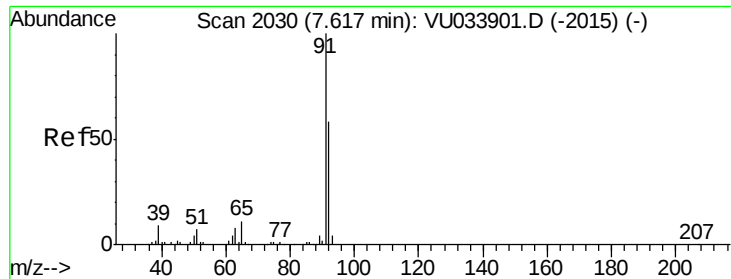
Tgt Ion: 75 Resp: 383341
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 103.554 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

Tgt Ion: 43 Resp: 747261
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.6 47.4
 100 15.0 12.0 18.0





#42

Toluene

Concen: 49.938 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

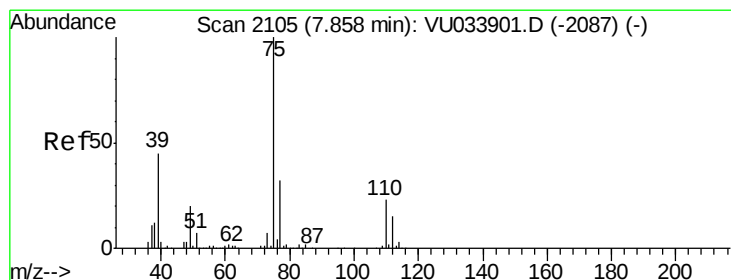
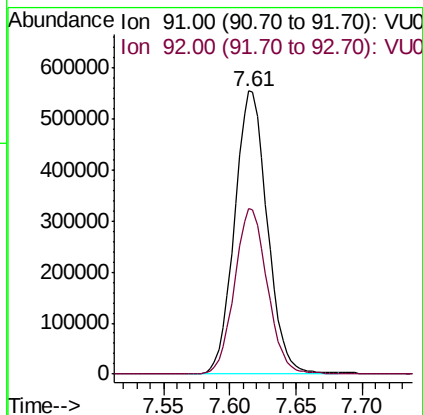
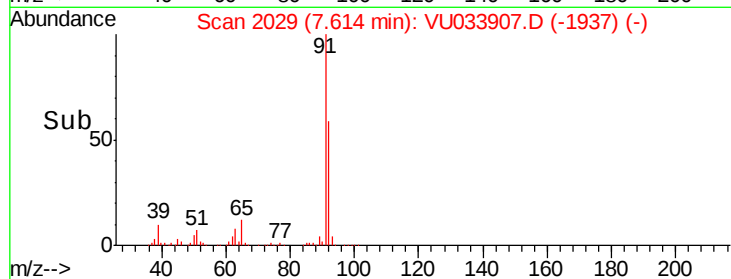
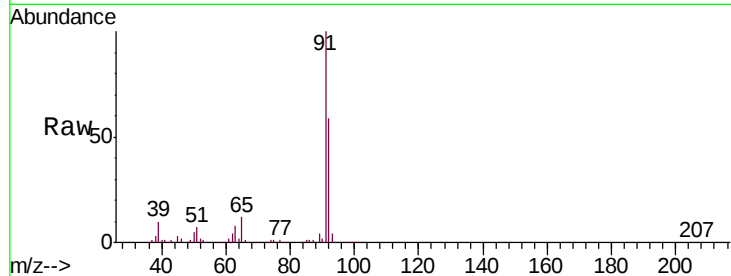
VSTD05050

Tgt Ion: 91 Resp: 951662

Ion Ratio Lower Upper

91 100

92 58.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 50.999 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU033907.D

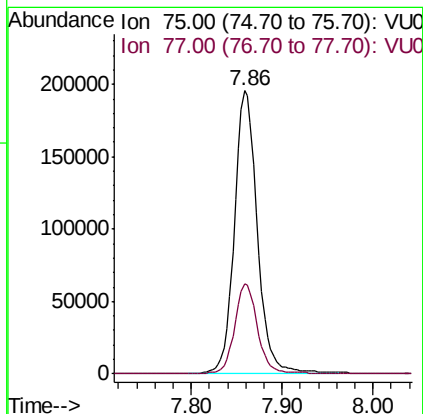
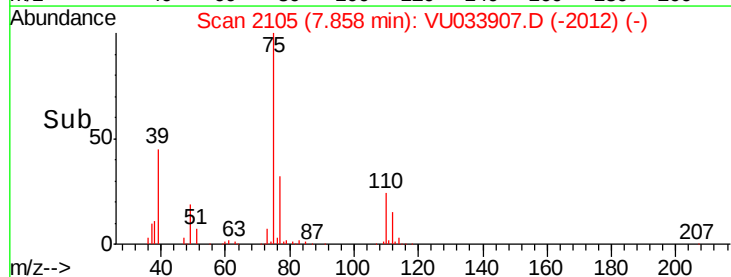
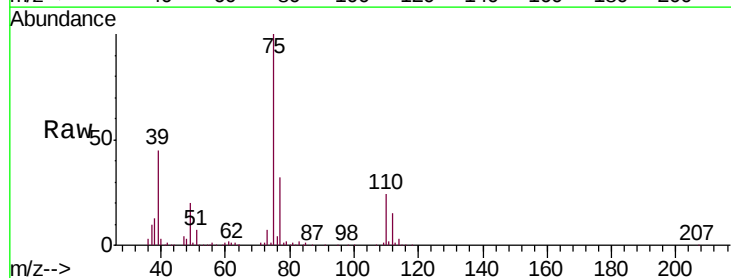
Acq: 22 Aug 2019 17:57

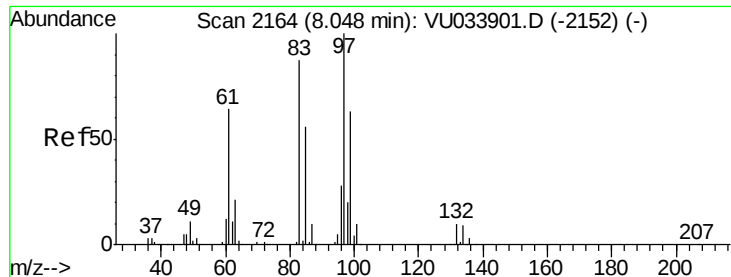
Tgt Ion: 75 Resp: 344157

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3

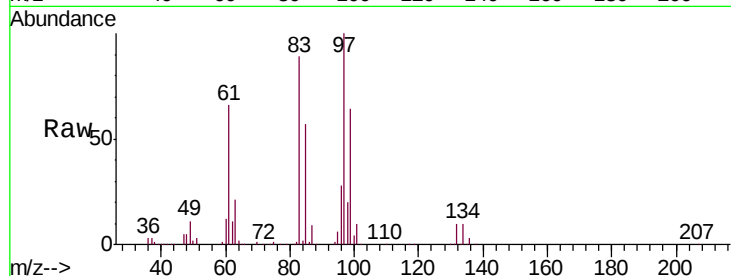




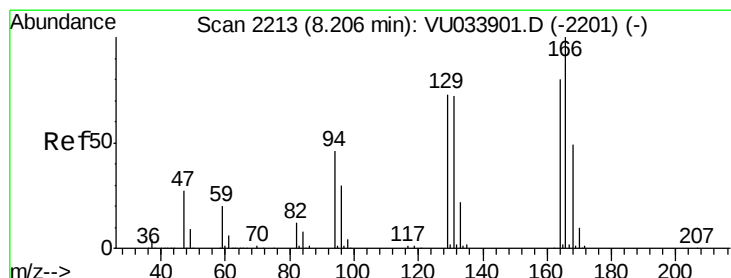
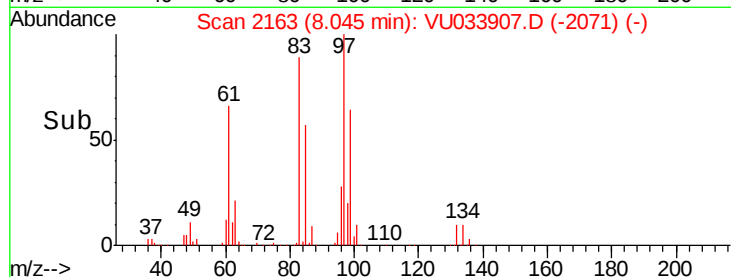
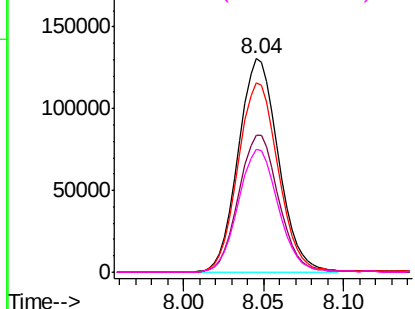
#45
 1,1,2-Trichloroethane
 Concen: 48.484 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Tgt Ion:	97	Resp:	224126
Ion	Ratio	Lower	Upper
97	100		
99	64.3	44.2	82.2
83	88.6	61.2	113.6
85	57.4	39.0	72.4

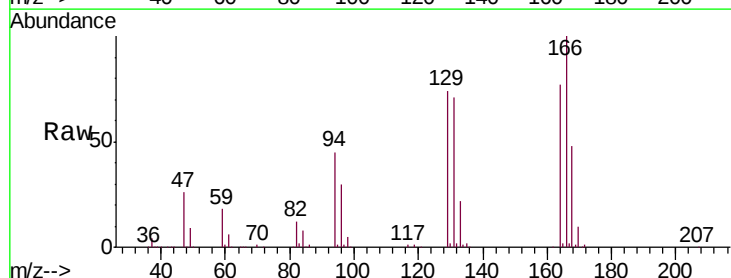


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

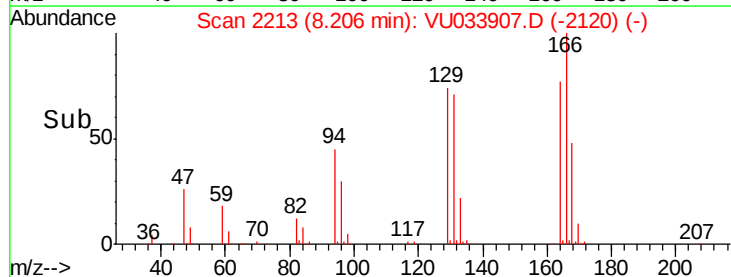
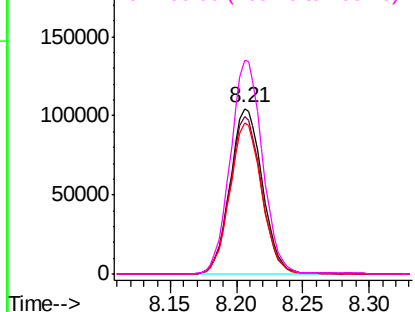


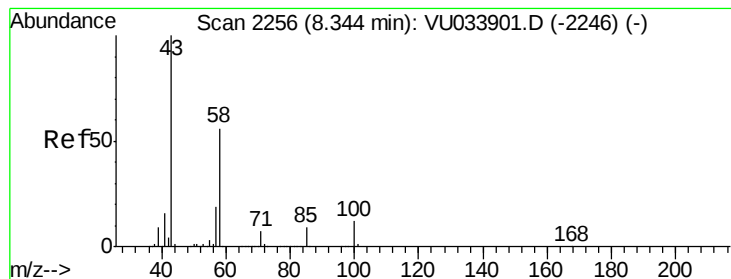
#46
 Tetrachloroethene
 Concen: 47.636 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

Tgt Ion:	164	Resp:	176901
Ion	Ratio	Lower	Upper
164	100		
129	95.6	63.9	118.7
131	91.5	62.5	116.1
166	129.3	87.3	162.1



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: 105.097 ug/L

RT: 8.34 min Scan# 2256

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

Tgt Ion: 43 Resp: 588895

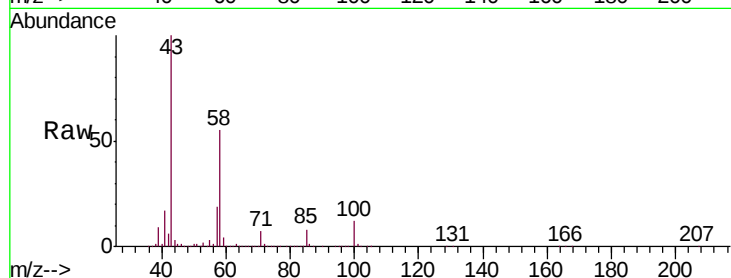
Ion Ratio Lower Upper

43 100

58 54.6 44.3 66.5

57 18.8 15.3 22.9

100 12.2 9.4 14.2

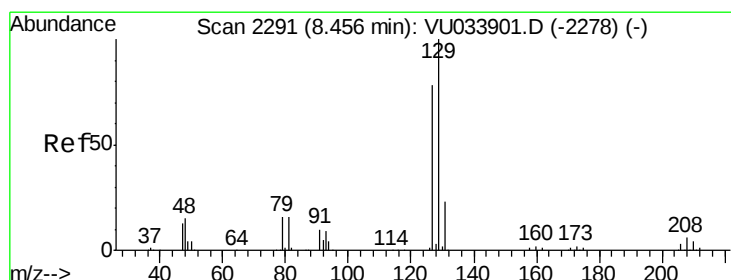
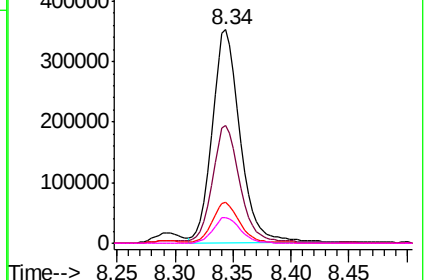
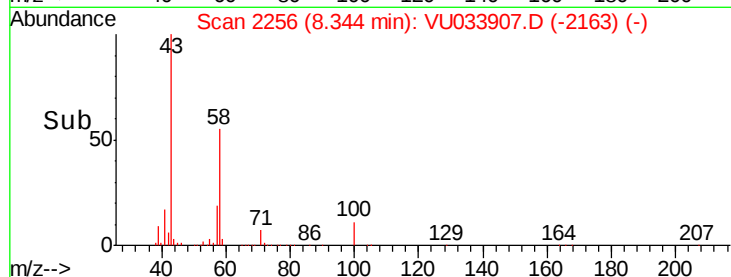


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 48.809 ug/L

RT: 8.46 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU033907.D

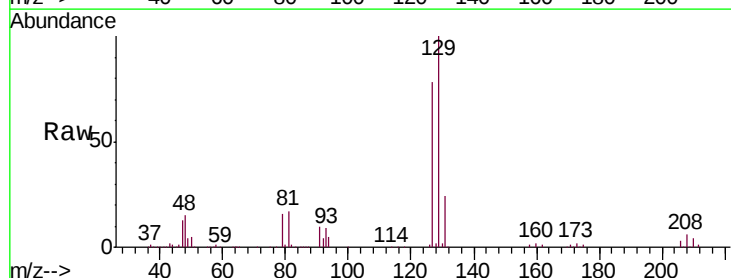
Acq: 22 Aug 2019 17:57

Tgt Ion: 129 Resp: 250301

Ion Ratio Lower Upper

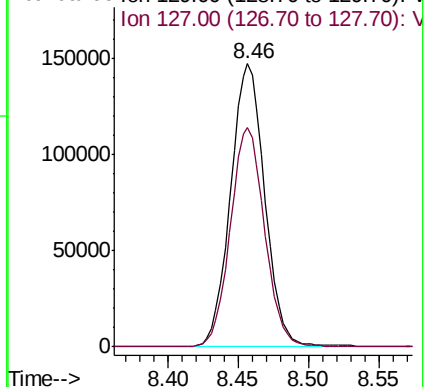
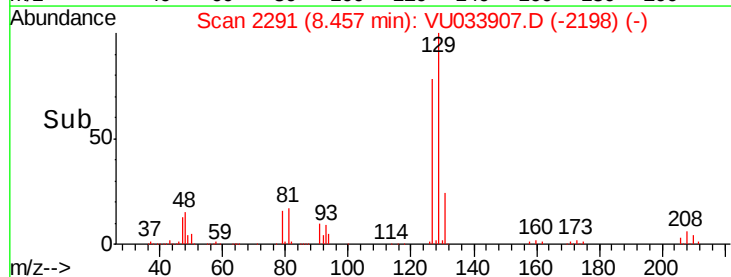
129 100

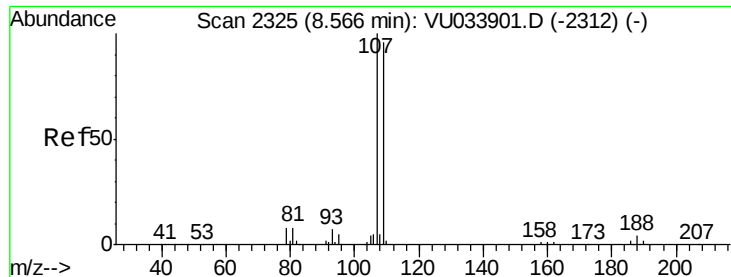
127 77.7 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

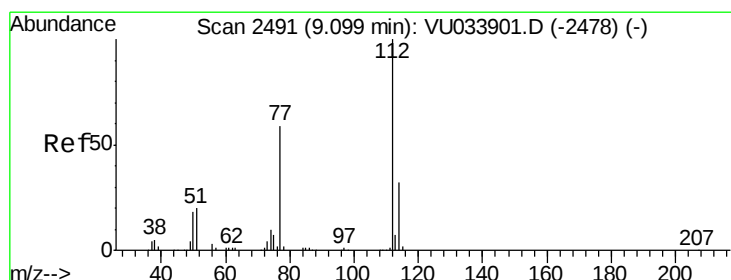
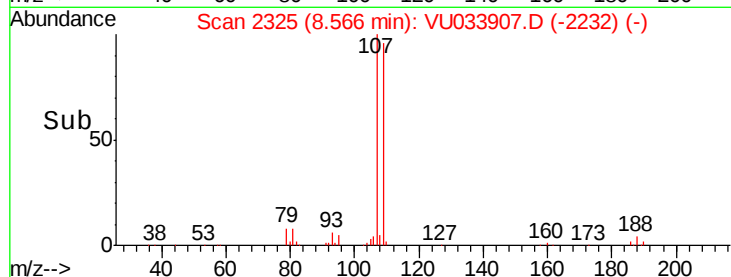
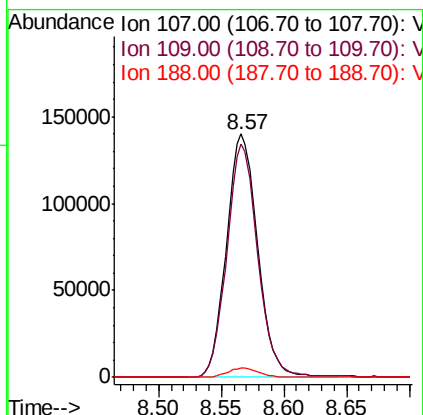
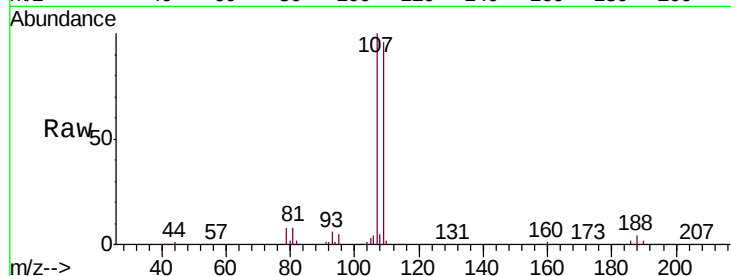




#50
 1,2-Dibromoethane
 Concen: 49.208 ug/L
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

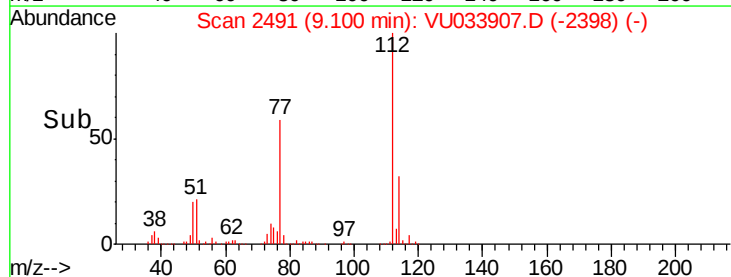
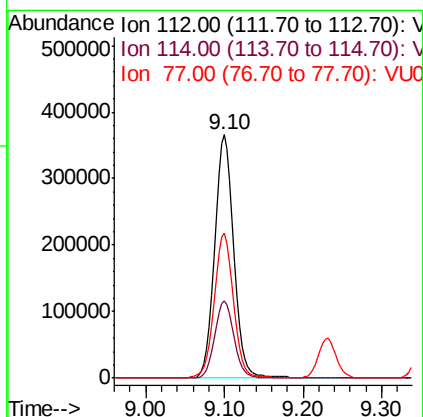
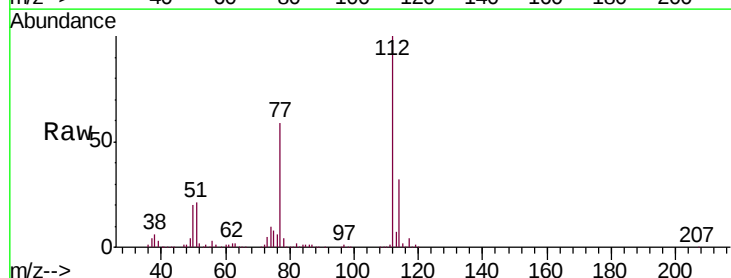
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

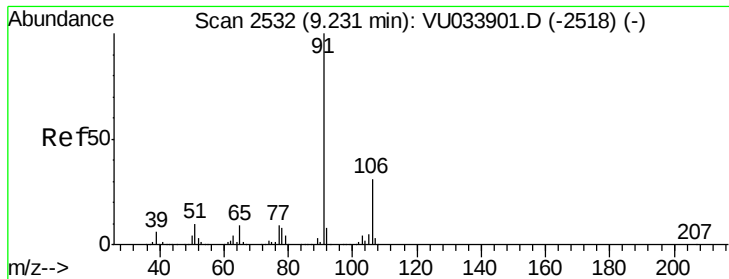
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.7	66.9	124.3
188	3.6	3.0	4.4



#51
 Chlorobenzene
 Concen: 48.357 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.5	41.7
77	59.4	47.3	70.9





#52

Ethylbenzene

Concen: 50.871 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

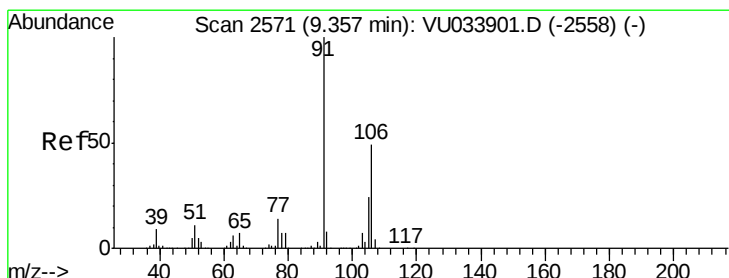
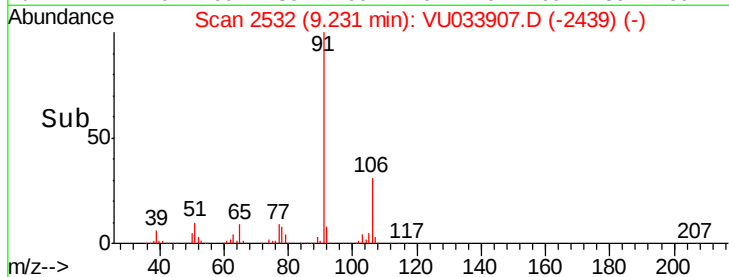
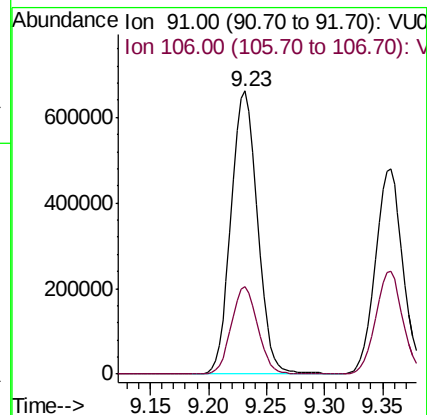
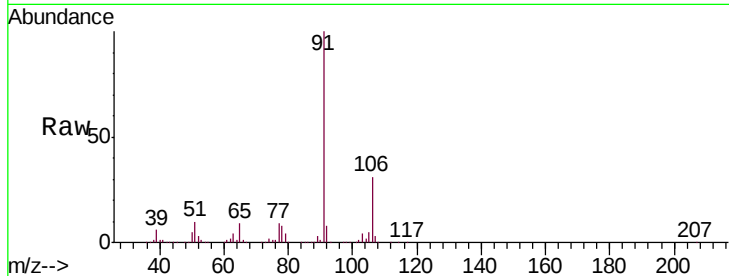
VSTD05050

Tgt Ion: 91 Resp: 1047140

Ion Ratio Lower Upper

91 100

106 30.9 21.4 39.8



#53

m,p-Xylene

Concen: 51.796 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033907.D

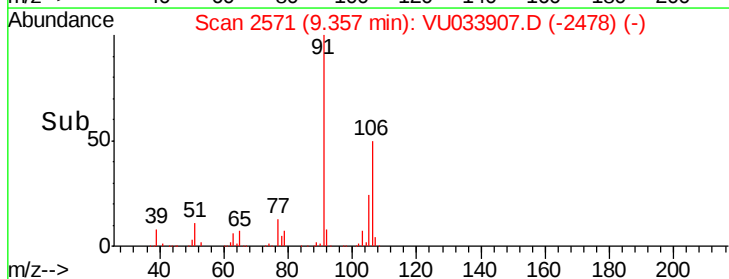
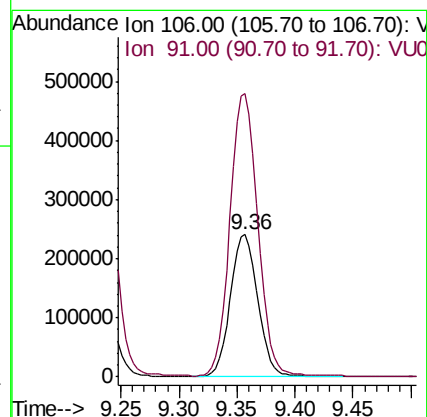
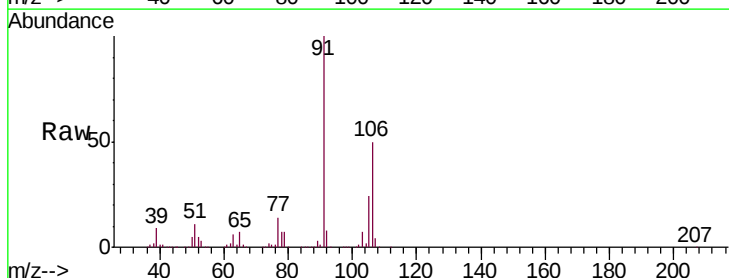
Acq: 22 Aug 2019 17:57

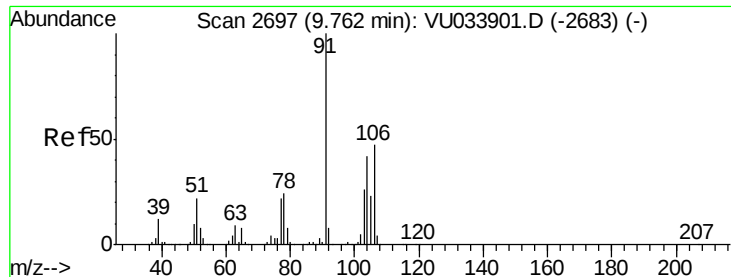
Tgt Ion: 106 Resp: 392890

Ion Ratio Lower Upper

106 100

91 199.2 142.2 264.0





#54

o-xylene

Concen: 51.313 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

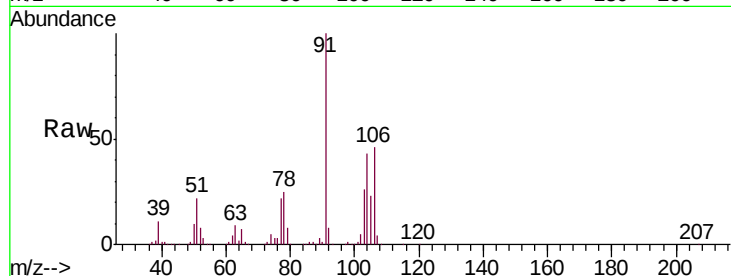
VSTD05050

Tgt Ion:106 Resp: 383668

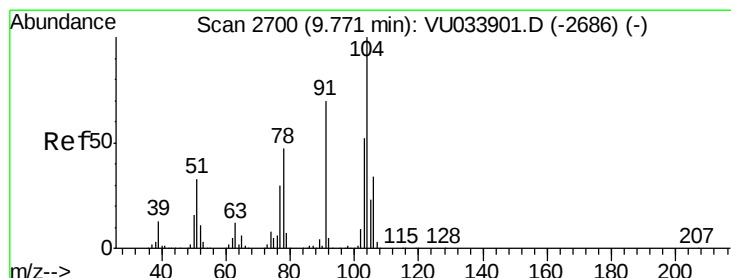
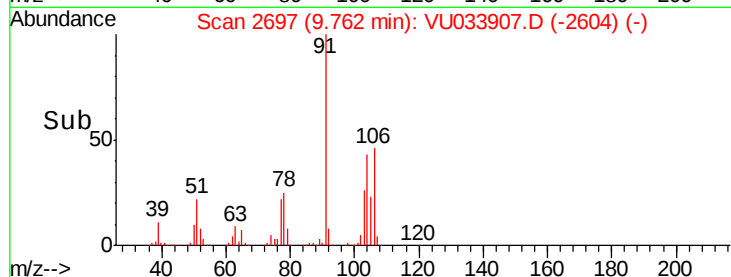
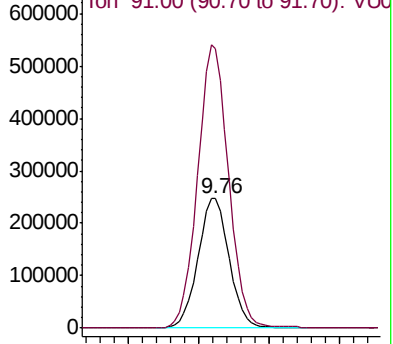
Ion Ratio Lower Upper

106 100

91 215.7 148.6 276.0



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 52.442 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU033907.D

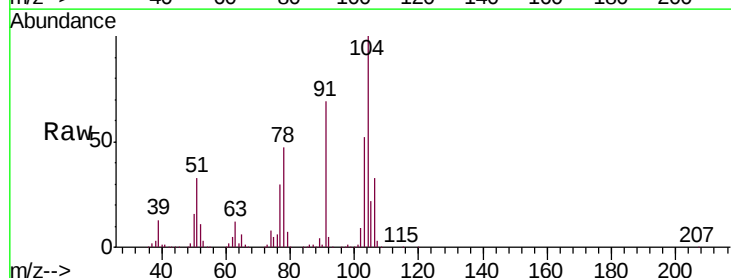
Acq: 22 Aug 2019 17:57

Tgt Ion:104 Resp: 667657

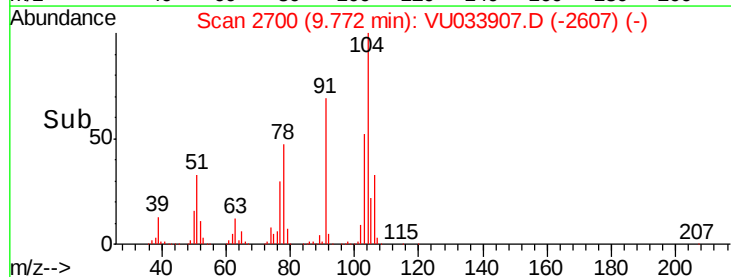
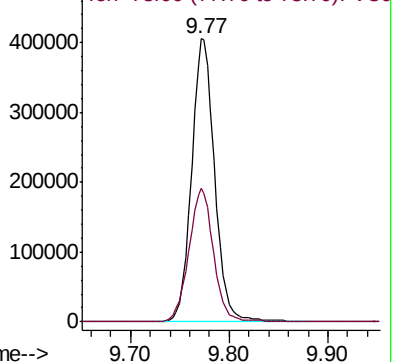
Ion Ratio Lower Upper

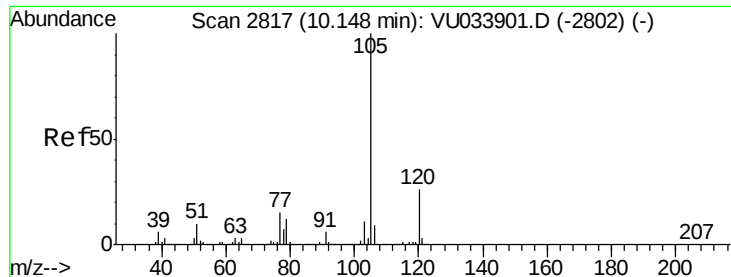
104 100

78 47.0 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 51.907 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

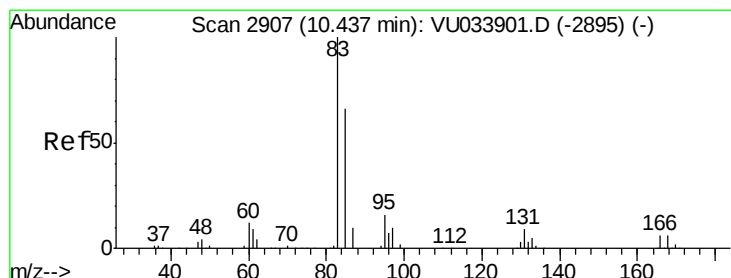
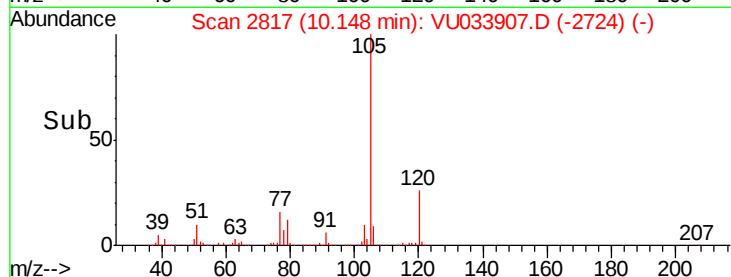
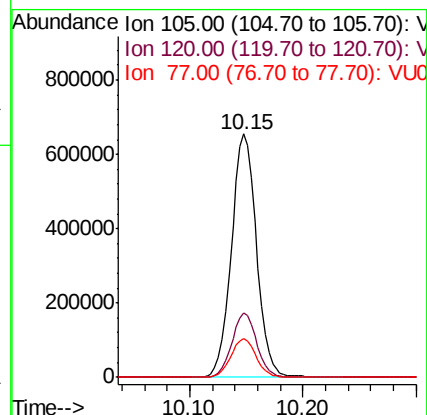
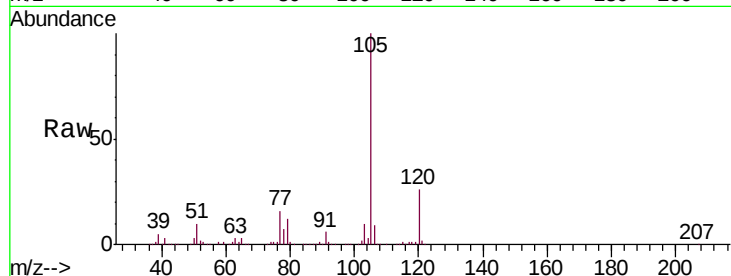
Tgt Ion:105 Resp: 1008521

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

77 16.0 12.6 18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 49.523 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

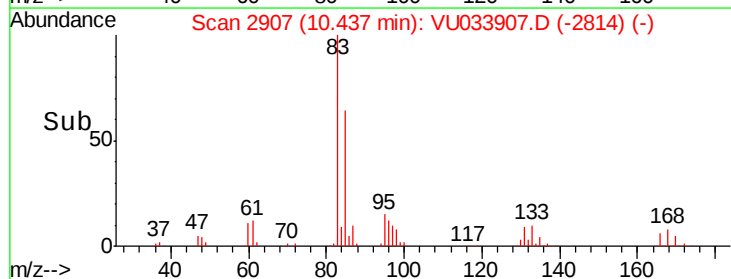
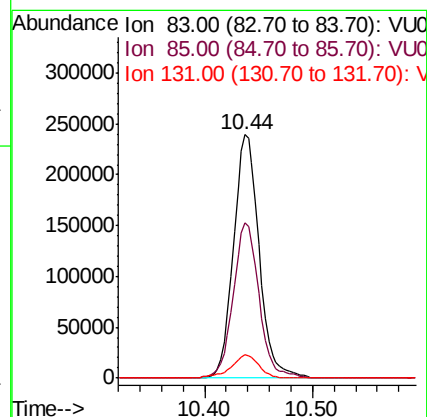
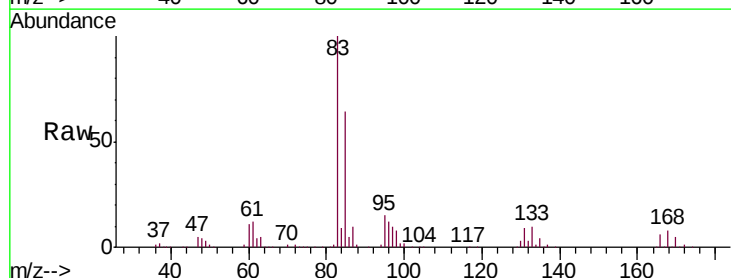
Tgt Ion: 83 Resp: 396786

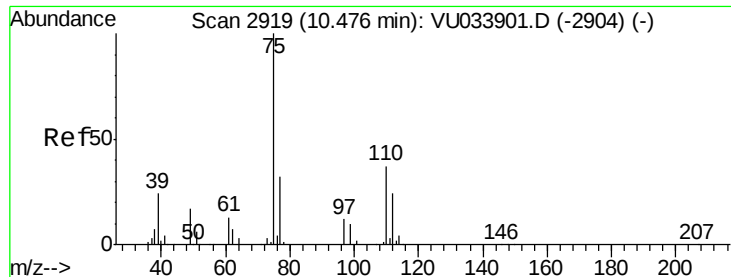
Ion Ratio Lower Upper

83 100

85 63.9 46.3 85.9

131 9.4 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 49.189 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

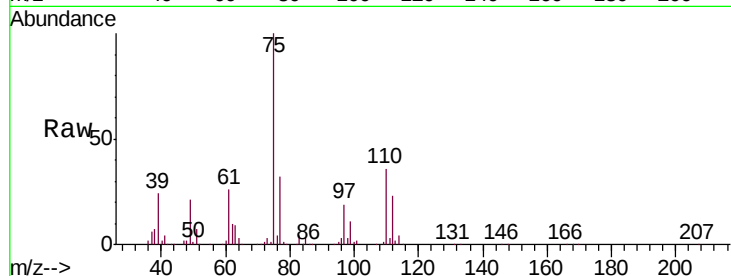
VSTD05050

Tgt Ion: 75 Resp: 316731

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU033901.D (-2904) (-)

Ion 77.00 (76.70 to 77.70): VU033901.D (-2904) (-)

10.48

200000

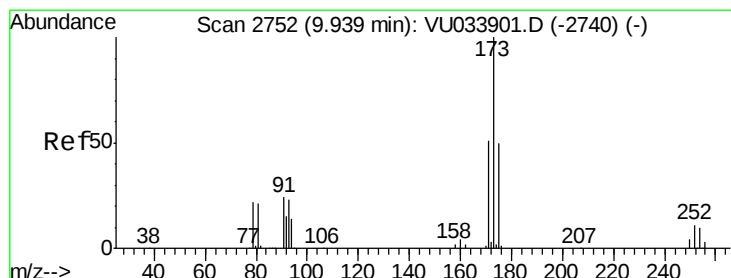
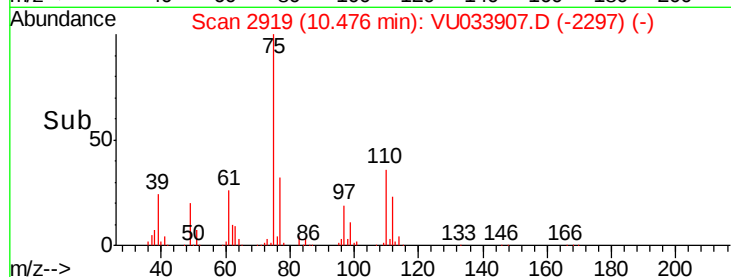
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 48.761 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

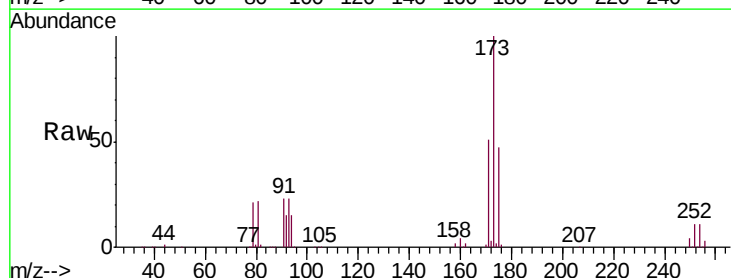
Tgt Ion: 173 Resp: 190237

Ion Ratio Lower Upper

173 100

175 47.9 39.4 59.2

254 10.4 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): VU033901.D (-2740) (-)

Ion 175.00 (174.70 to 175.70): VU033901.D (-2740) (-)

Ion 254.00 (253.70 to 254.70): VU033901.D (-2740) (-)

9.94

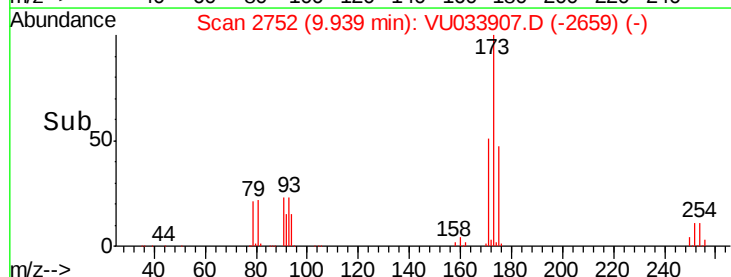
150000

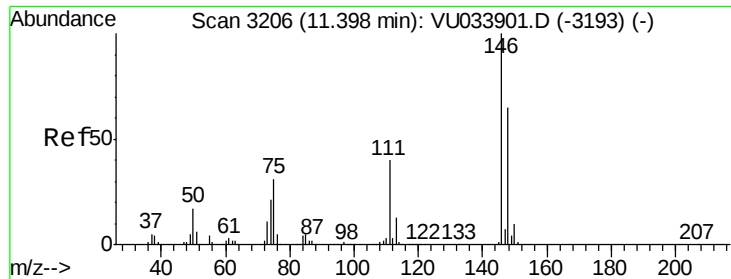
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.763 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

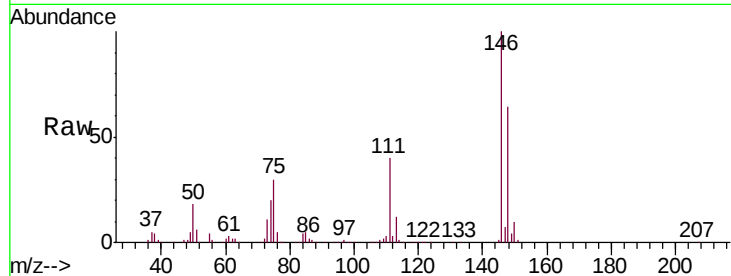
Tgt Ion:146 Resp: 473734

Ion Ratio Lower Upper

146 100

111 39.7 27.8 51.6

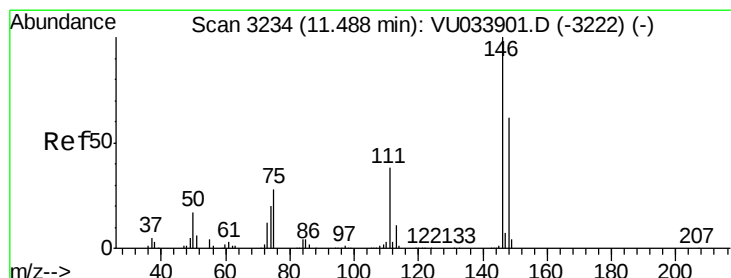
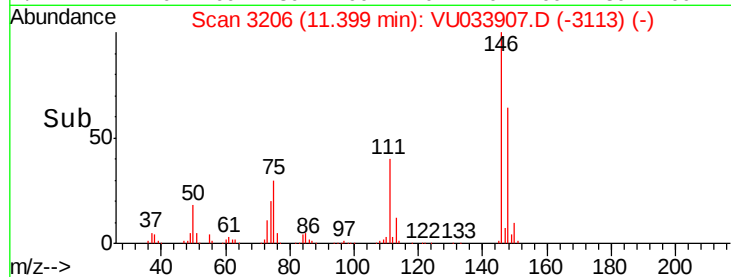
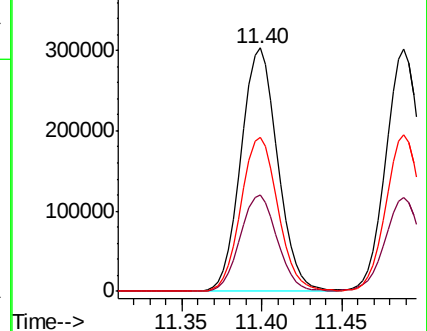
148 63.5 45.1 83.9



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: 46.966 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

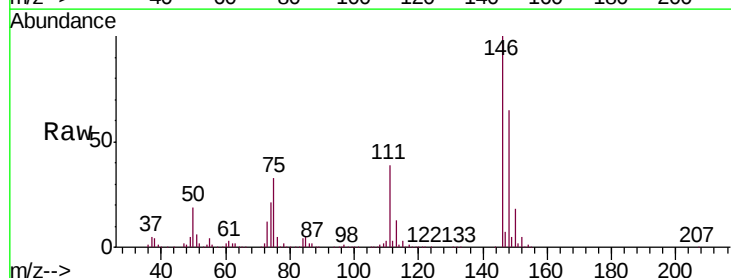
Tgt Ion:146 Resp: 472788

Ion Ratio Lower Upper

146 100

111 38.7 26.7 49.5

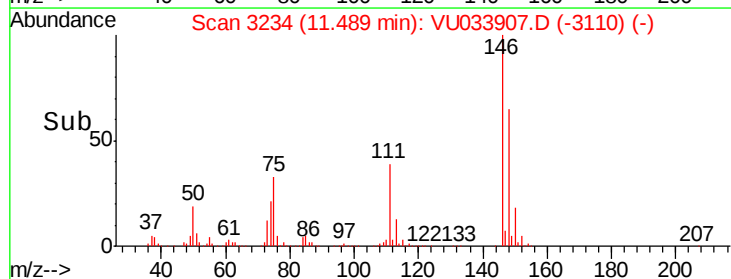
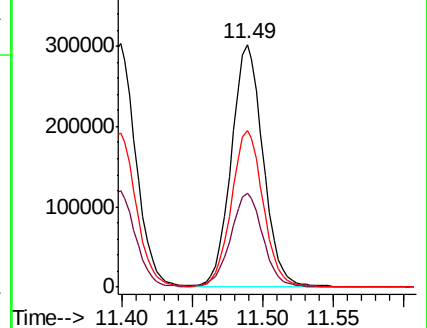
148 64.7 43.5 80.9

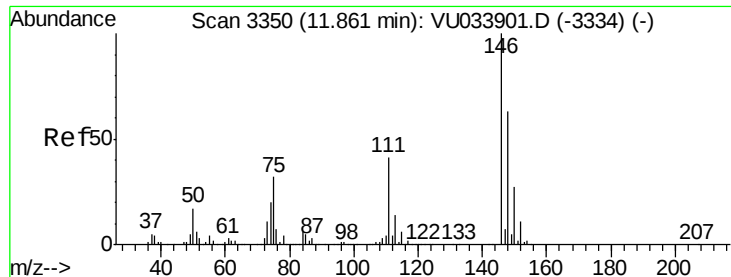


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.646 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

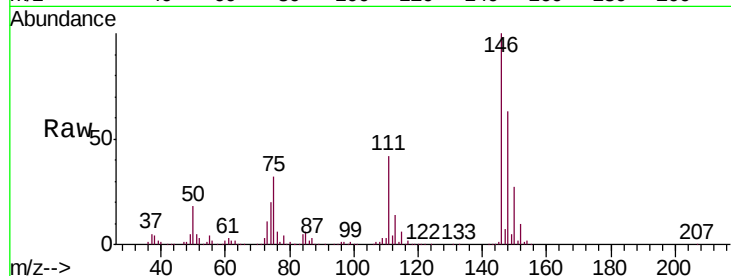
Tgt Ion:146 Resp: 471498

Ion Ratio Lower Upper

146 100

111 42.2 33.1 49.7

148 63.4 50.8 76.2

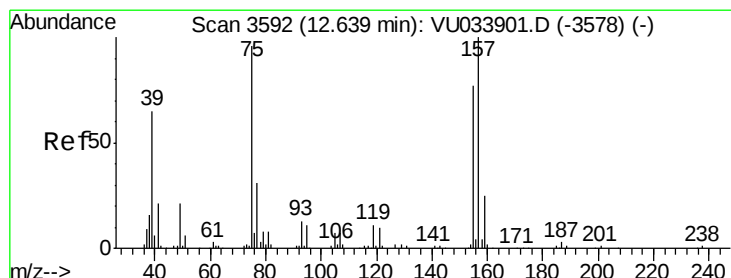
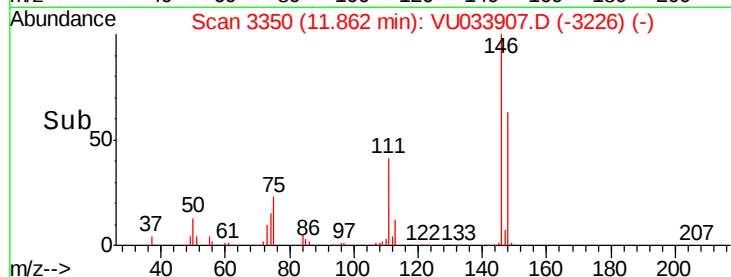
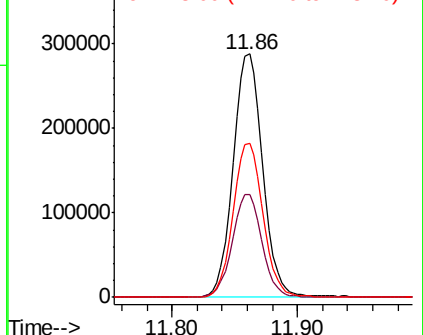


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 49.653 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

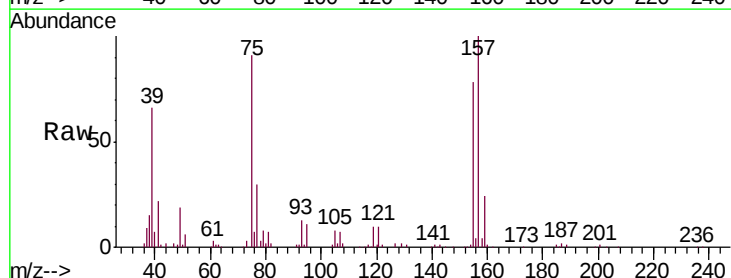
Tgt Ion: 75 Resp: 88262

Ion Ratio Lower Upper

75 100

155 85.6 64.3 96.5

157 109.3 83.4 125.2

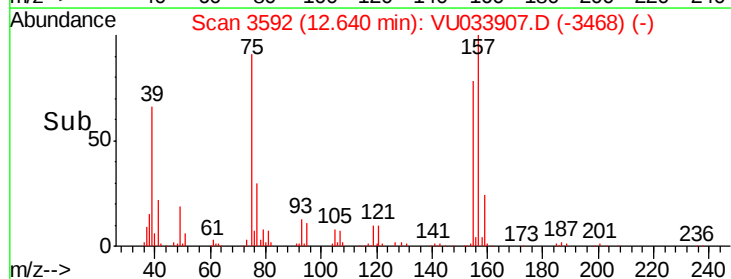
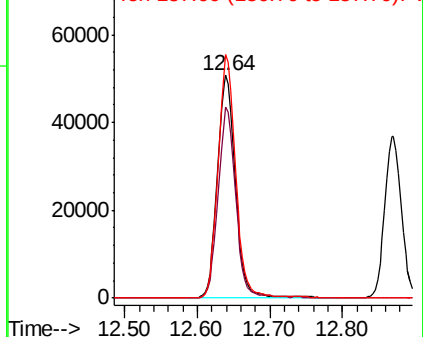


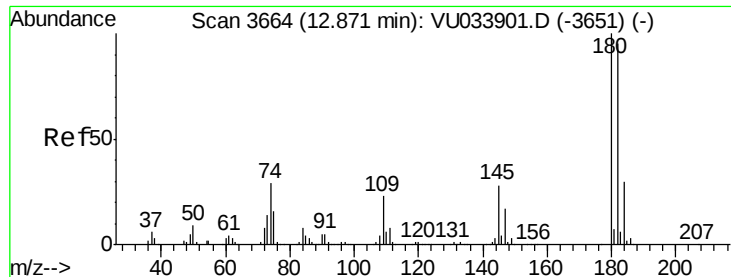
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

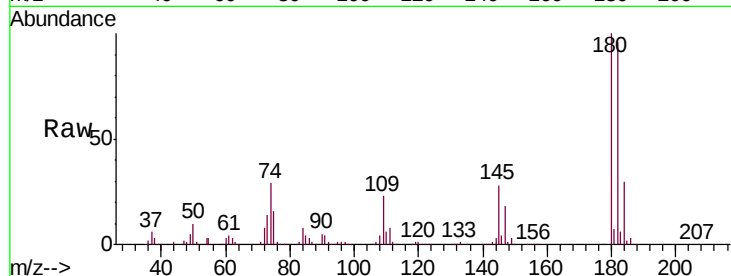




#67
 1,3,5-Trichlorobenzene
 Concen: 48.449 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
184	29.8	24.1	36.1
145	28.0	22.4	33.6



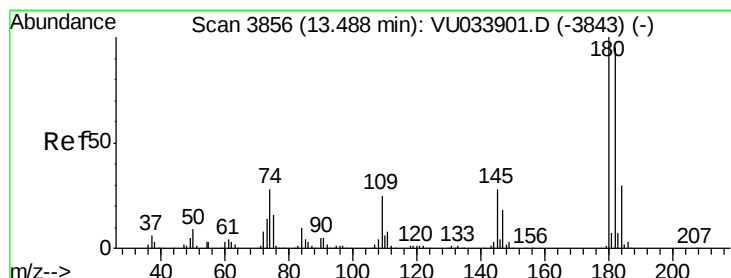
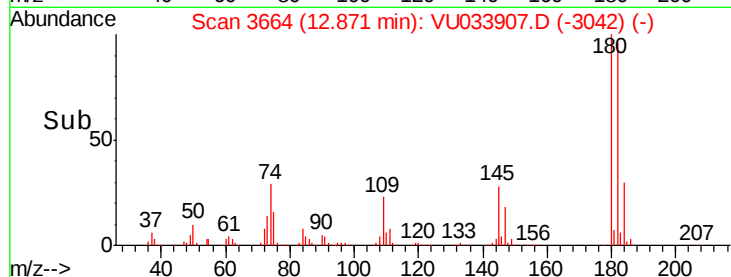
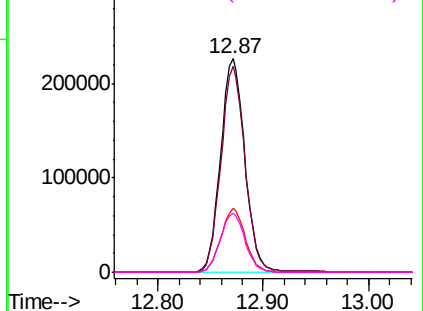
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

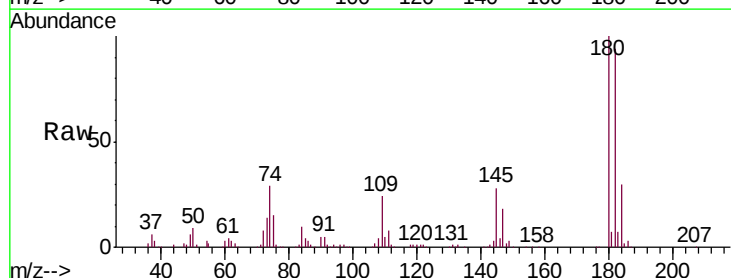
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.499 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033907.D
 Acq: 22 Aug 2019 17:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.8	115.2
145	27.9	22.8	34.2

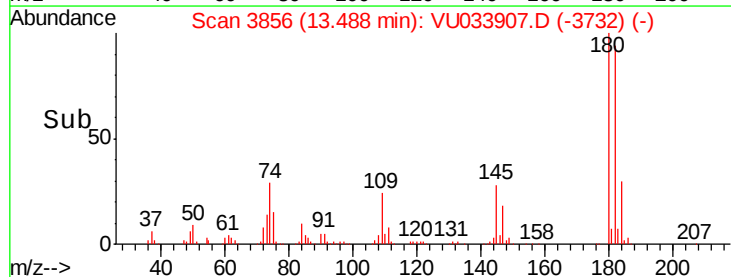
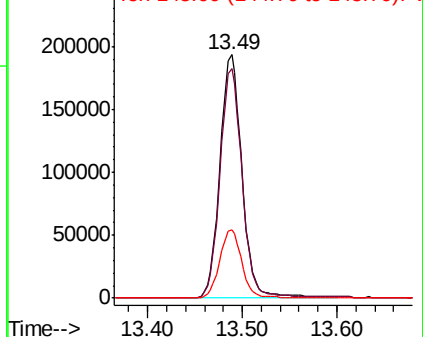


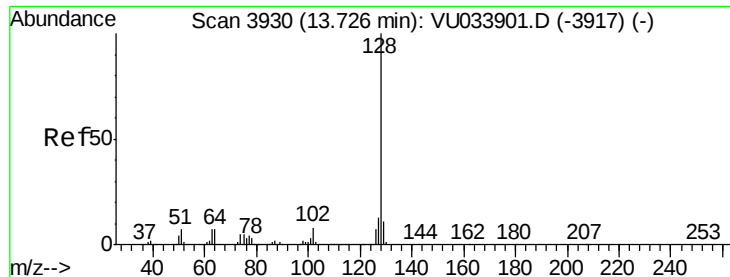
Abundance

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





#69

Naphthalene

Concen: 53.878 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

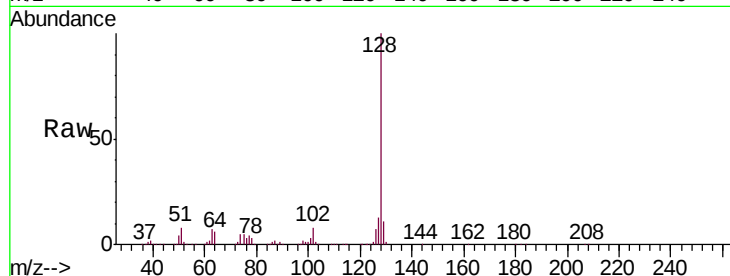
Tgt Ion:128 Resp: 984963

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

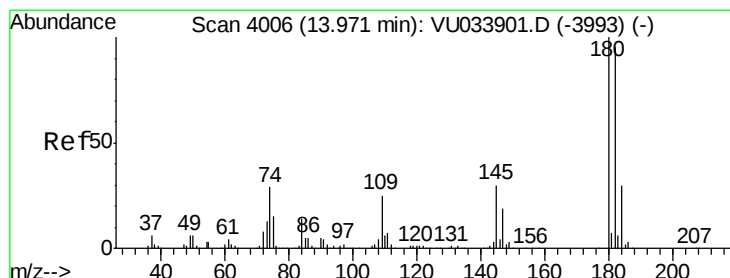
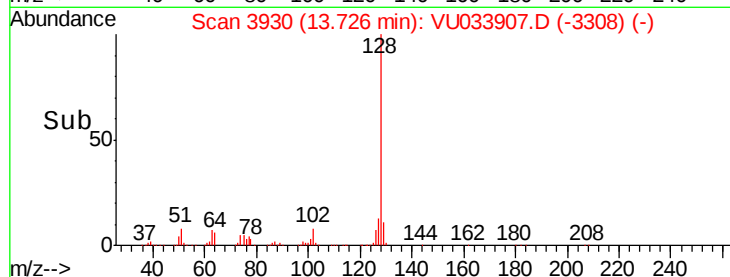
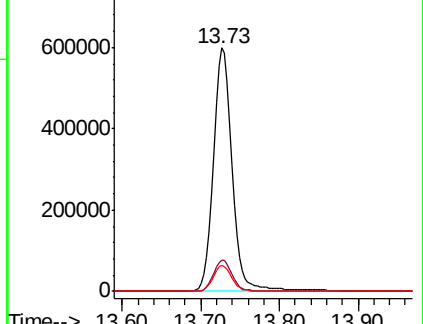
129 10.6 8.3 12.5



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: 50.976 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033907.D

Acq: 22 Aug 2019 17:57

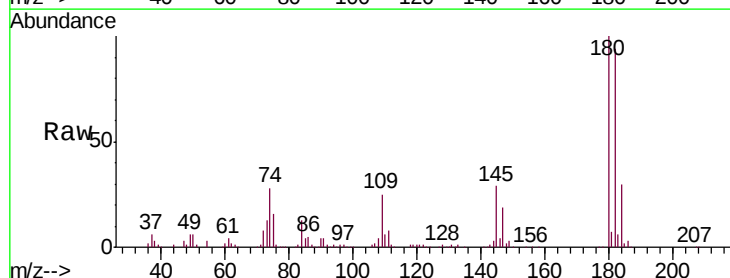
Tgt Ion:180 Resp: 329854

Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

145 29.9 23.9 35.9



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

