

Data File : VU033930.D
Acq On : 23 Aug 2019 03:44
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Quant Time: Aug 23 05:34:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 02:53:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	572507	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	573397	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	292735	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	246418	49.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.16%
7) Chloroethane-d5	1.67	69	202631	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.76%
11) 1,1-Dichloroethene-d2	2.25	63	454883	50.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.46%
21) 2-Butanone-d5	4.15	46	372125	110.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.15%
24) Chloroform-d	4.62	84	424499	51.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.88%
26) 1,2-Dichloroethane-d4	5.28	65	274270	51.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.84%
32) Benzene-d6	5.32	84	851780	52.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.58%
36) 1,2-Dichloropropane-d6	6.31	67	278345	52.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.32%
41) Toluene-d8	7.54	98	768661	52.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.44%
43) trans-1,3-Dichloropropene-	7.83	79	123441	50.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.22%
47) 2-Hexanone-d5	8.29	63	252616	114.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.93%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	388325	51.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.18%
64) 1,2-Dichlorobenzene-d4	11.84	152	292116	48.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	249064	46.993	ug/L	99
3) Chloromethane	1.32	50	238402	46.813	ug/L	98
5) Vinyl chloride	1.39	62	288841	48.286	ug/L	99
6) Bromomethane	1.61	94	86403	37.280	ug/L	98
8) Chloroethane	1.68	64	174181	48.538	ug/L	99
9) Trichlorofluoromethane	1.87	101	335249	47.789	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	185319	46.201	ug/L	98
12) 1,1-Dichloroethene	2.27	96	183831	47.610	ug/L	95
13) Acetone	2.30	43	252877	81.950	ug/L	99
14) Carbon disulfide	2.46	76	586935	47.264	ug/L	100
15) Methyl Acetate	2.60	43	271317	50.489	ug/L	99
16) Methylene chloride	2.68	84	226185	48.620	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	198061	47.757	ug/L	96
18) Methyl tert-butyl Ether	2.98	73	632074	50.351	ug/L	99
19) 1,1-Dichloroethane	3.42	63	405885	49.109	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	225729	49.447	ug/L	97
22) 2-Butanone	4.23	43	386162	99.605	ug/L	98

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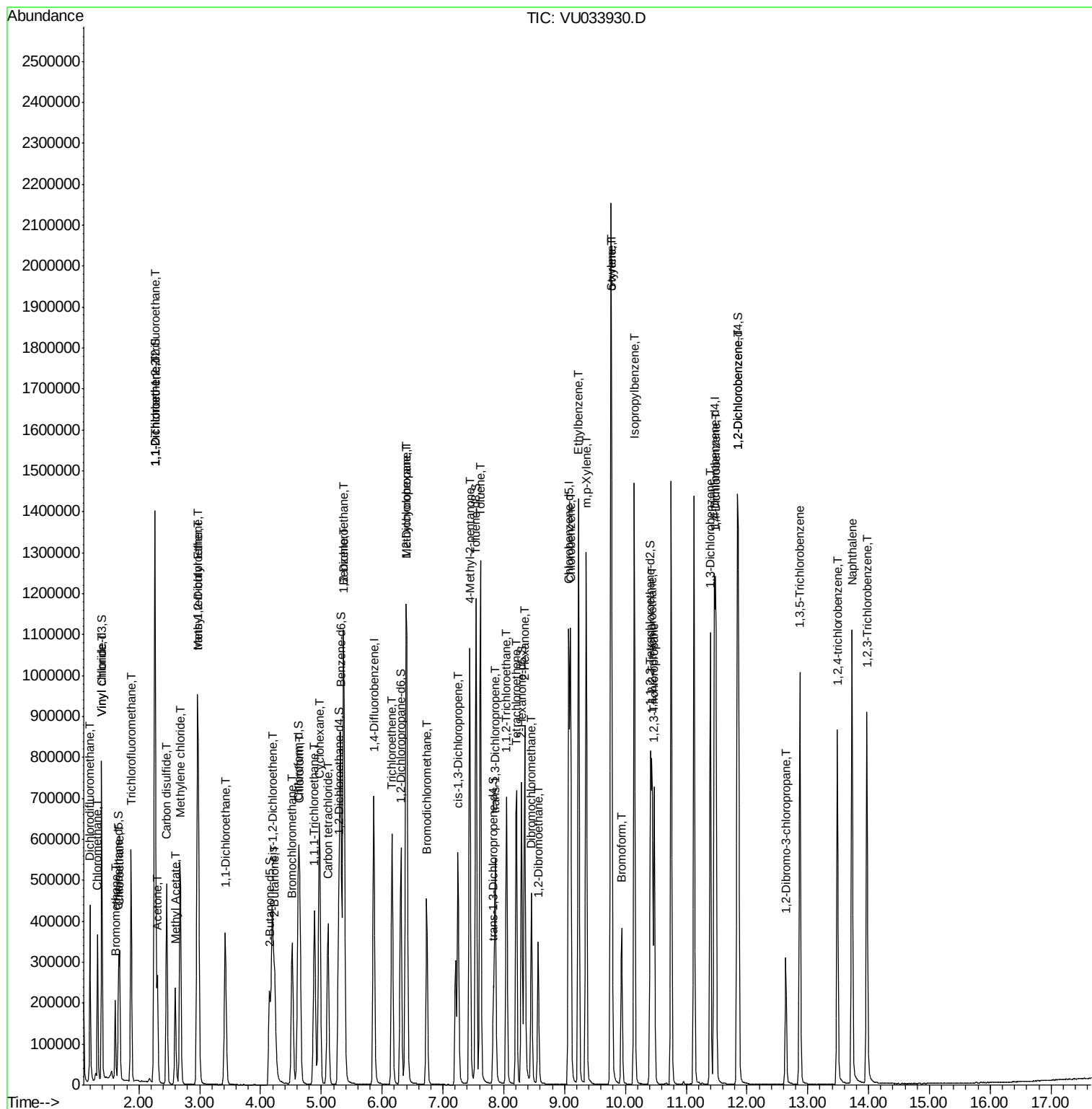
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	114416	48.736	ug/L	98
25) Chloroform	4.65	83	404159	49.375	ug/L	98
27) 1,2-Dichloroethane	5.38	62	319609	49.759	ug/L	99
29) Cyclohexane	4.97	56	335525	50.715	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	323330	48.963	ug/L	99
31) Carbon tetrachloride	5.11	117	282802	48.248	ug/L	99
33) Benzene	5.36	78	874887	50.460	ug/L	100
34) Trichloroethene	6.16	95	212091	47.144	ug/L	99
35) Methylcyclohexane	6.39	83	322154	47.499	ug/L	98
37) 1,2-Dichloropropane	6.41	63	242434	51.110	ug/L	100
38) Bromodichloromethane	6.73	83	298303	48.668	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	340937	48.358	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	709709	104.465	ug/L	99
42) Toluene	7.62	91	902577	50.307	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	304290	47.895	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	215301	49.470	ug/L	99
46) Tetrachloroethene	8.21	164	159714	45.682	ug/L	96
48) 2-Hexanone	8.34	43	559619	106.082	ug/L	98
49) Dibromochloromethane	8.46	129	233974	48.463	ug/L	99
50) 1,2-Dibromoethane	8.57	107	228506	49.235	ug/L	100
51) Chlorobenzene	9.10	112	569022	47.954	ug/L	98
52) Ethylbenzene	9.23	91	965747	49.834	ug/L	100
53) m,p-Xylene	9.36	106	363286	50.871	ug/L	97
54) o-xylene	9.76	106	352765	50.113	ug/L	97
55) Styrene	9.77	104	623002	51.977	ug/L	98
56) Isopropylbenzene	10.15	105	914338	49.985	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	375172	49.737	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	298749	49.281	ug/L	99
61) Bromoform	9.94	173	170271	46.109	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	429660	46.725	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	438491	46.021	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	430441	46.920	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	82711	49.160	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	314993	44.566	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	272790	47.070	ug/L	100
69) Naphthalene	13.73	128	877284	50.700	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	296569	48.422	ug/L	100

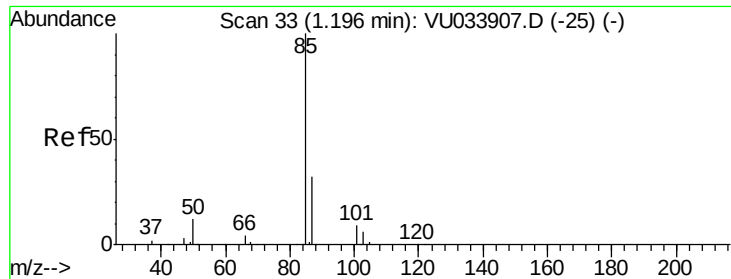
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.993 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

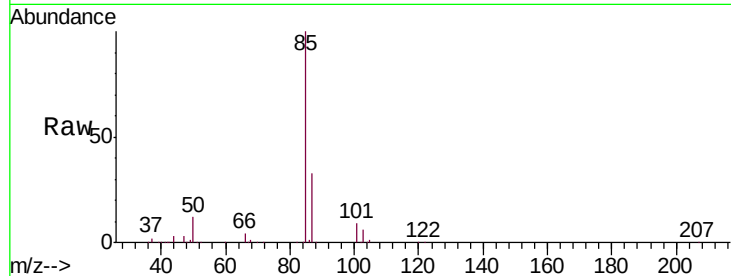
VSTD05051

Tgt Ion: 85 Resp: 249064

Ion Ratio Lower Upper

85 100

87 32.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033930.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033930.D (-1) (-)

1.20

250000

200000

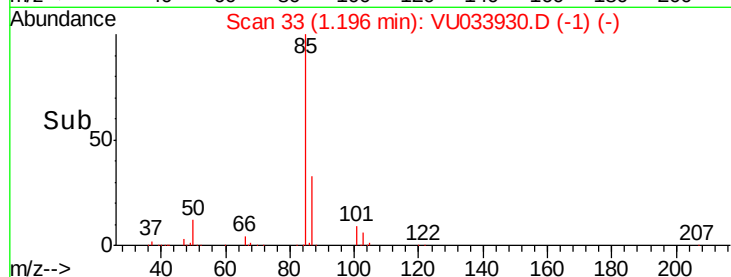
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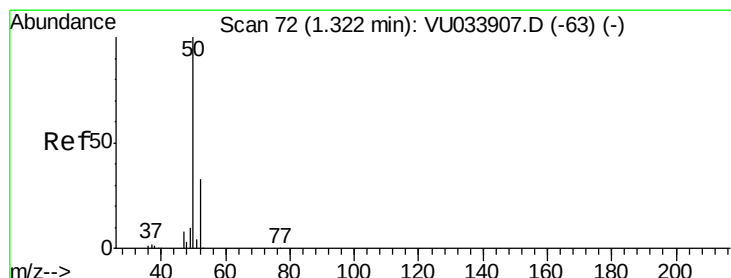
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 46.813 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033930.D

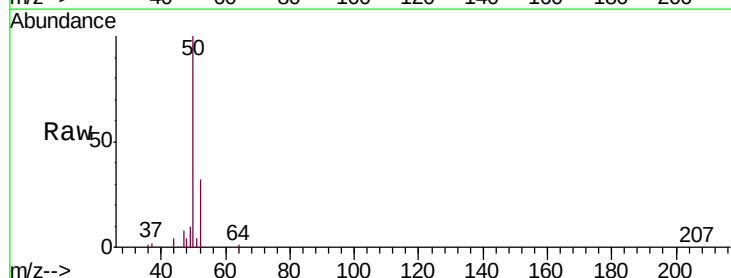
Acq: 23 Aug 2019 03:44

Tgt Ion: 50 Resp: 238402

Ion Ratio Lower Upper

50 100

52 31.8 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033930.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033930.D (-1) (-)

1.32

250000

200000

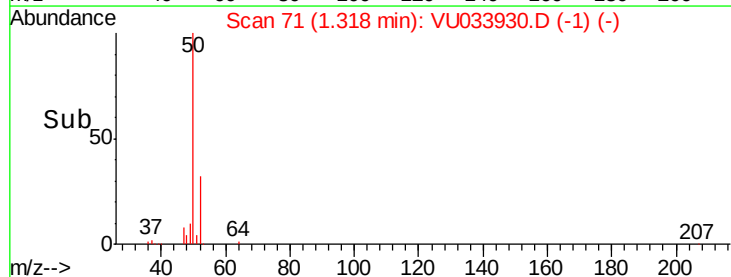
150000

100000

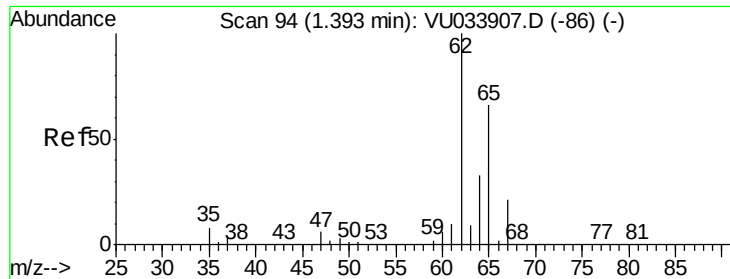
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 48.286 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

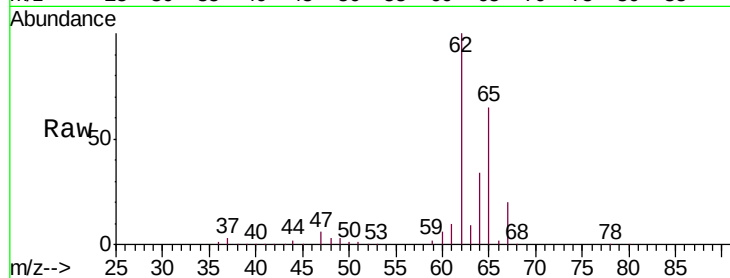
VSTD05051

Tgt Ion: 62 Resp: 288841

Ion Ratio Lower Upper

62 100

64 34.2 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU033930.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU033930.D (-1) (-)

1.39

250000

200000

150000

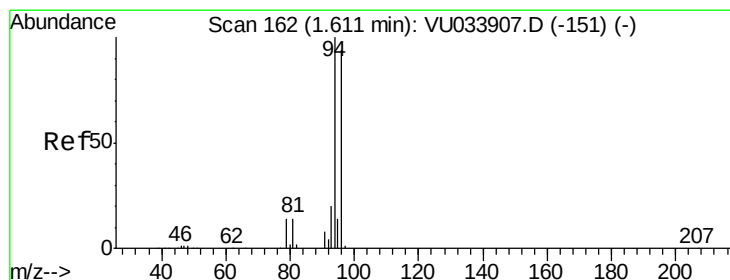
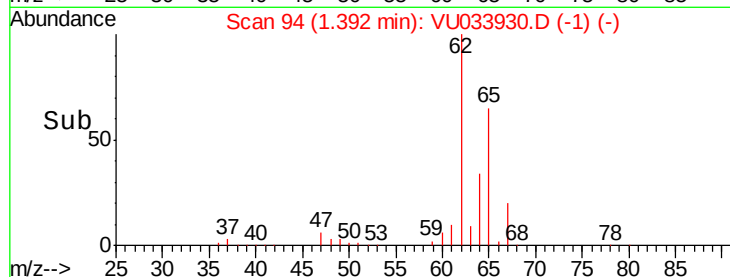
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 37.280 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU033930.D

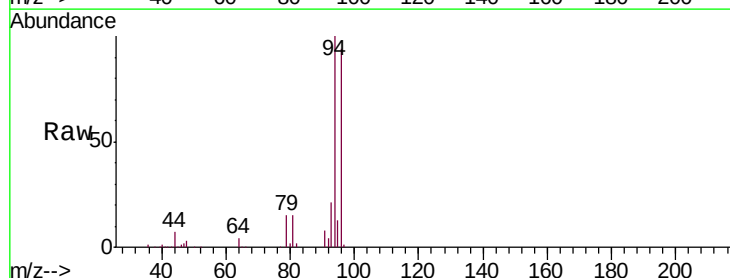
Acq: 23 Aug 2019 03:44

Tgt Ion: 94 Resp: 86403

Ion Ratio Lower Upper

94 100

96 93.7 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU033930.D (-69) (-)

Ion 96.00 (95.70 to 96.70): VU033930.D (-69) (-)

80000

60000

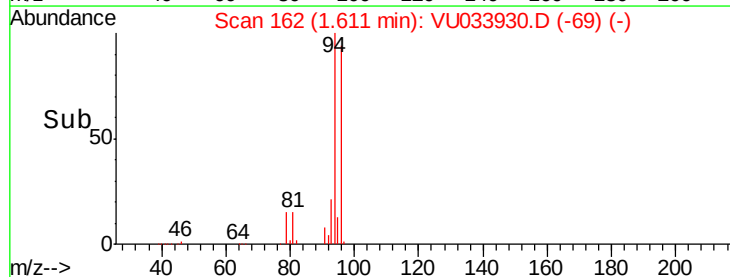
40000

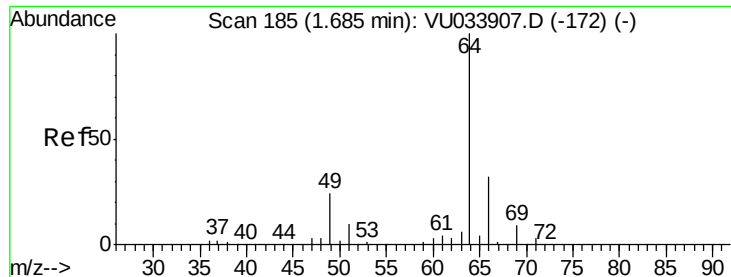
20000

0

1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 48.538 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

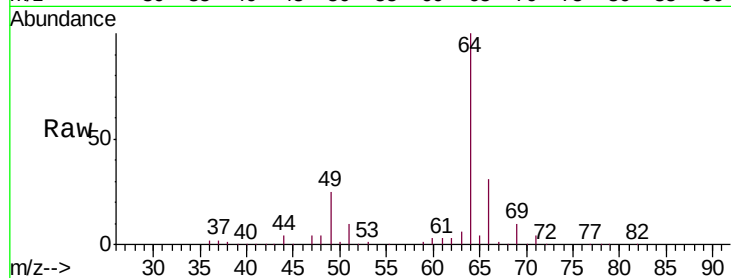
VSTD05051

Tgt Ion: 64 Resp: 174181

Ion Ratio Lower Upper

64 100

66 31.2 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VU033930.D (-61) (-)

Ion 66.00 (65.70 to 66.70): VU033930.D (-61) (-)

1.68

150000

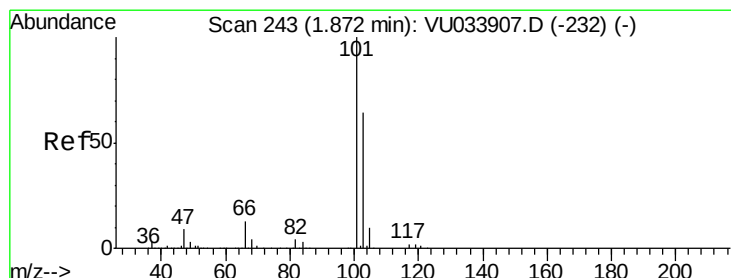
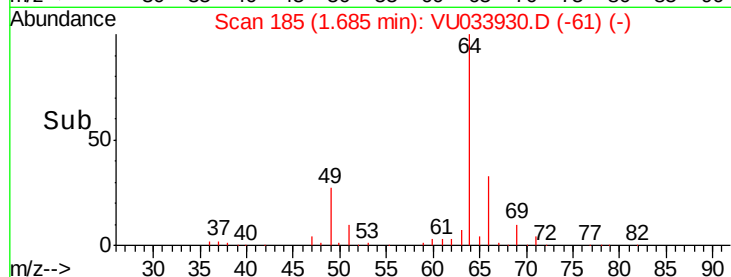
100000

50000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 47.789 ug/L

RT: 1.87 min Scan# 243

Delta R.T. -0.00 min

Lab File: VU033930.D

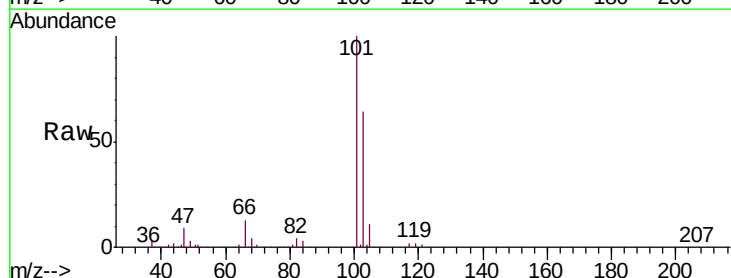
Acq: 23 Aug 2019 03:44

Tgt Ion: 101 Resp: 335249

Ion Ratio Lower Upper

101 100

103 64.2 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU033930.D (-119) (-)

Ion 103.00 (102.70 to 103.70): VU033930.D (-119) (-)

1.87

250000

200000

150000

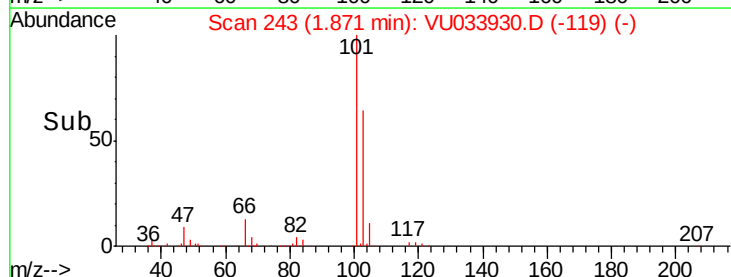
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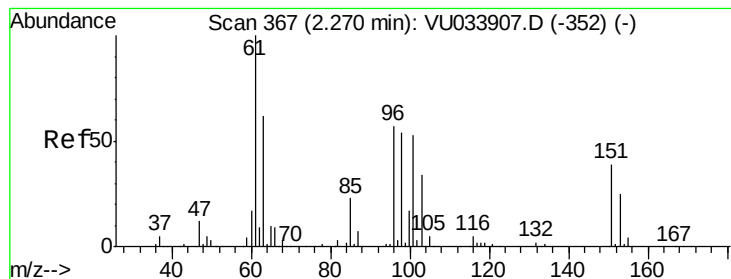
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 46.201 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

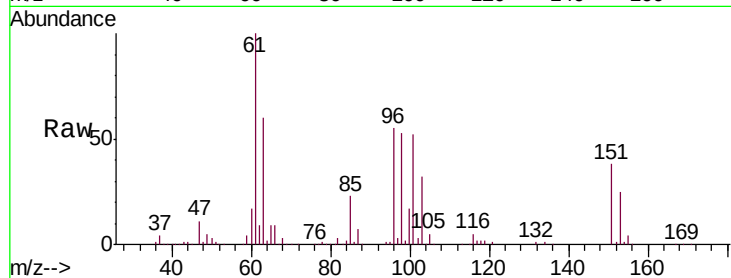
Tgt Ion: 101 Resp: 185319

Ion Ratio Lower Upper

101 100

85 43.8 33.7 50.5

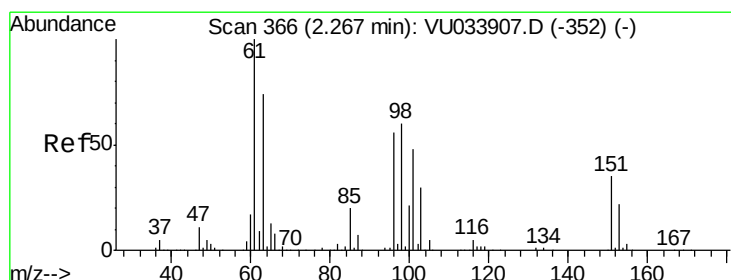
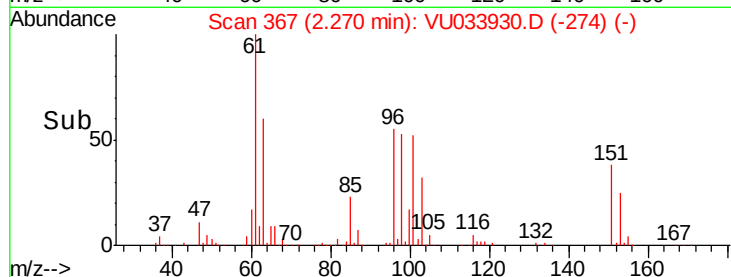
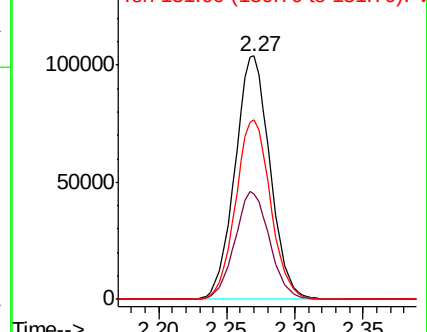
151 73.2 57.8 86.6



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: 47.610 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

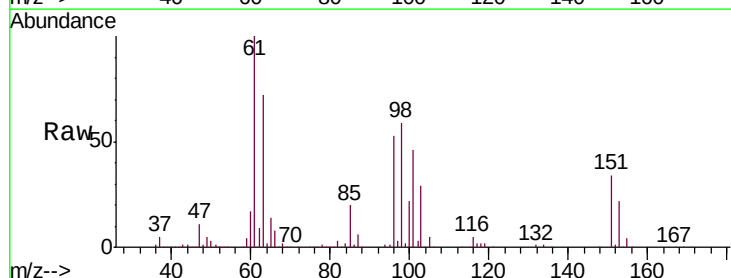
Tgt Ion: 96 Resp: 183831

Ion Ratio Lower Upper

96 100

61 187.7 124.7 231.5

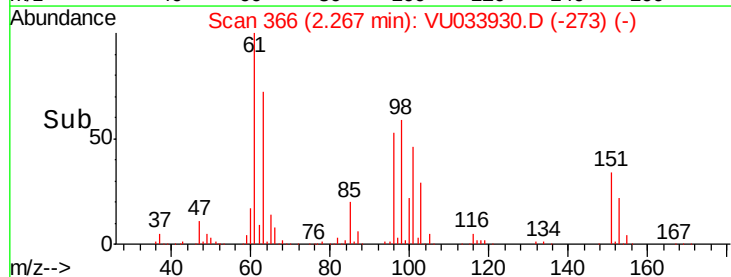
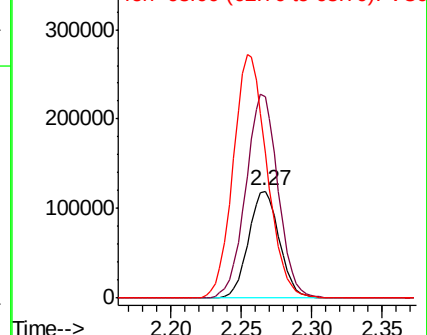
63 136.0 97.9 181.9

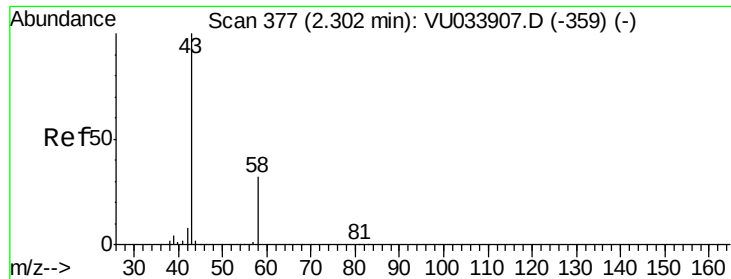


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 81.950 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

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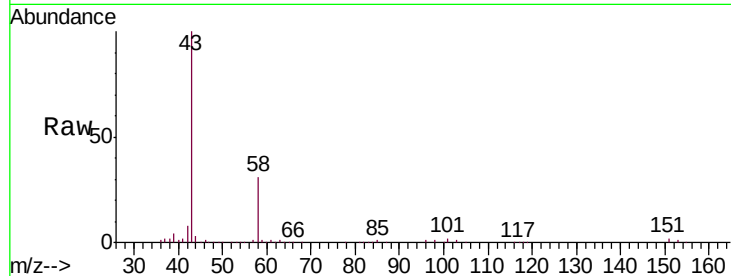
VSTD05051

Tgt Ion: 43 Resp: 252877

Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.4



Abundance Ion 43.00 (42.70 to 43.70): VU033930.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU033930.D (-359) (-)

2.30

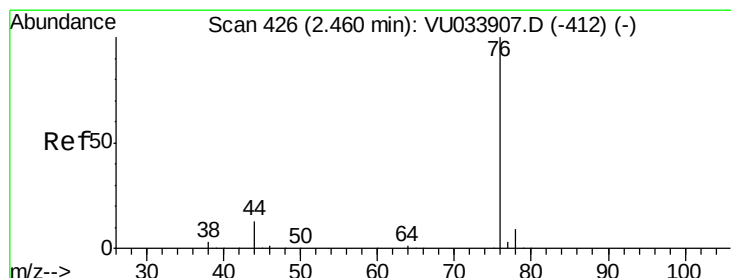
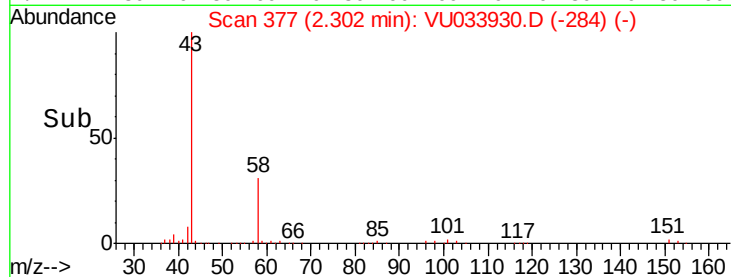
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 47.264 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VU033930.D

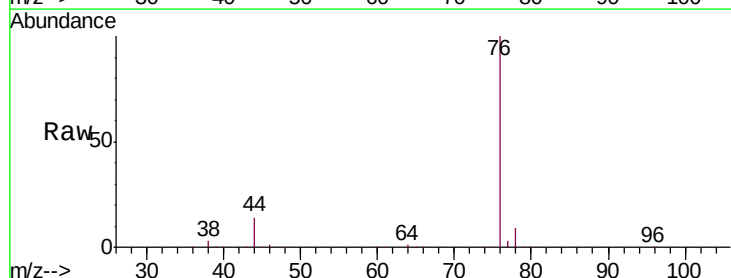
Acq: 23 Aug 2019 03:44

Tgt Ion: 76 Resp: 586935

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033930.D (-412) (-)

Ion 78.00 (77.70 to 78.70): VU033930.D (-412) (-)

2.46

400000

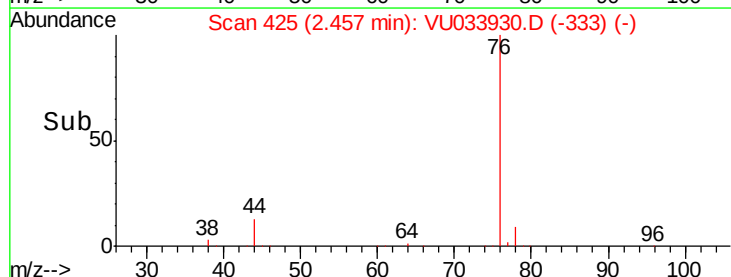
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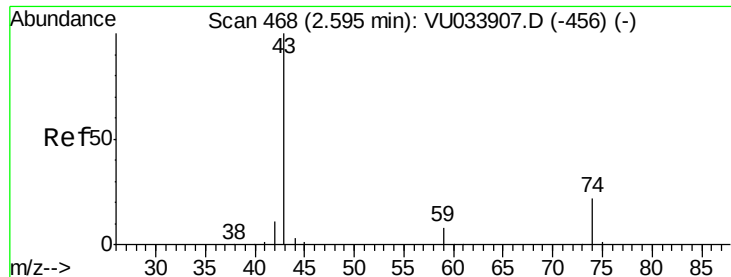
200000

100000

0

Time-->





#15

Methyl Acetate

Concen: 50.489 ug/L

RT: 2.60 min Scan# 469

Delta R.T. 0.00 min

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ClientSampleId :

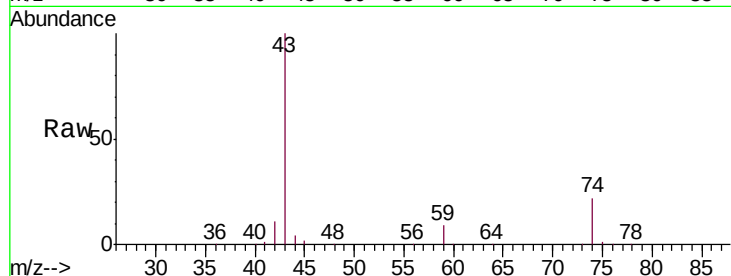
VSTD05051

Tgt Ion: 43 Resp: 271317

Ion Ratio Lower Upper

43 100

74 22.5 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VU033930.D (-456) (-)

Ion 74.00 (73.70 to 74.70): VU033930.D (-456) (-)

2.60

150000

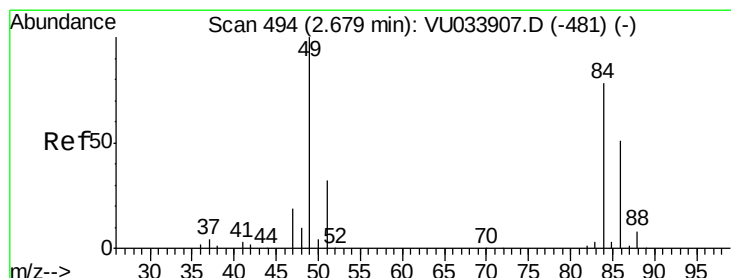
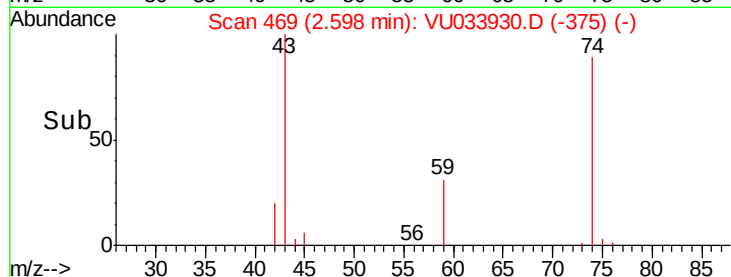
100000

50000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 48.620 ug/L

RT: 2.68 min Scan# 494

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

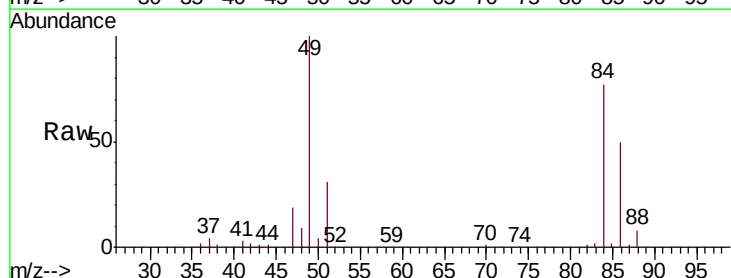
Tgt Ion: 84 Resp: 226185

Ion Ratio Lower Upper

84 100

86 64.7 45.3 84.1

49 130.0 90.2 167.6



Abundance Ion 84.00 (83.70 to 84.70): VU033930.D (-481) (-)

Ion 86.00 (85.70 to 86.70): VU033930.D (-481) (-)

Ion 49.00 (48.70 to 49.70): VU033930.D (-481) (-)

2.68

200000

150000

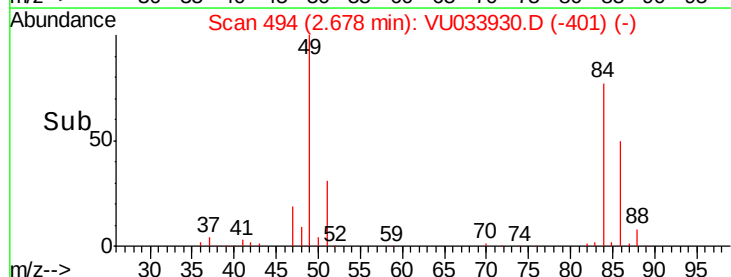
100000

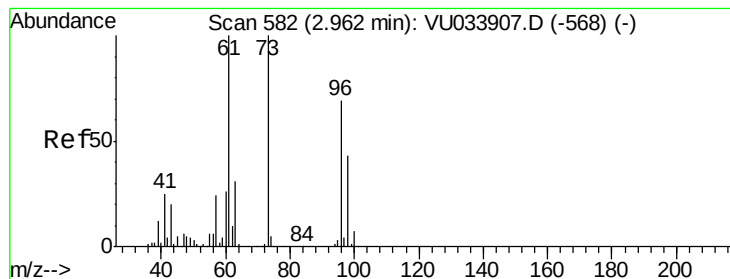
50000

0

Time-->

2.60 2.65 2.70 2.75





#17

trans-1,2-Dichloroethene

Concen: 47.757 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

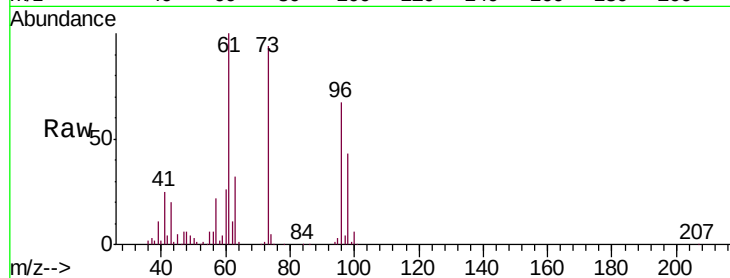
Tgt Ion: 96 Resp: 198061

Ion Ratio Lower Upper

96 100

61 150.0 101.2 187.8

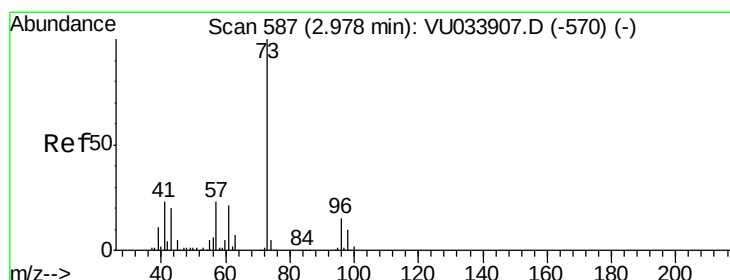
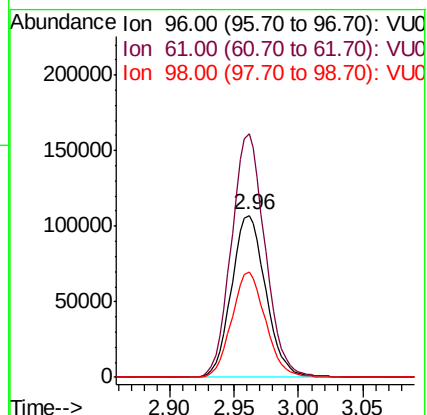
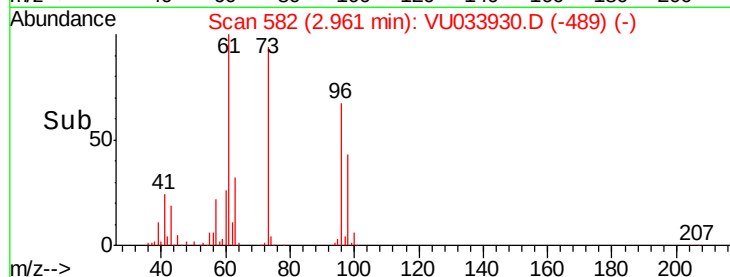
98 64.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU033930.D (-489) (-)

Ion 61.00 (60.70 to 61.70): VU033930.D (-489) (-)

Ion 98.00 (97.70 to 98.70): VU033930.D (-489) (-)



#18

Methyl tert-butyl Ether

Concen: 50.351 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

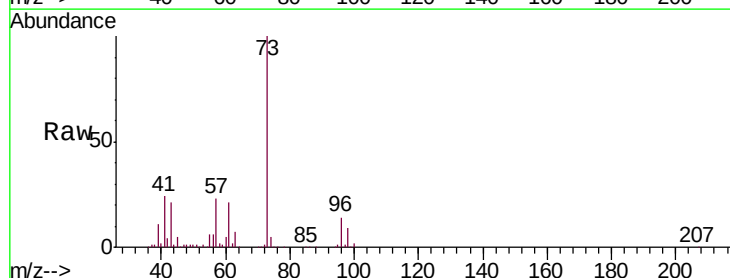
Tgt Ion: 73 Resp: 632074

Ion Ratio Lower Upper

73 100

43 21.0 16.3 24.5

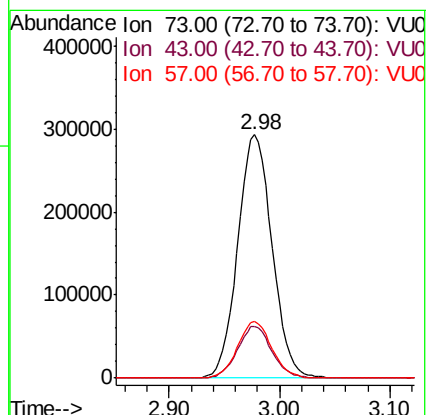
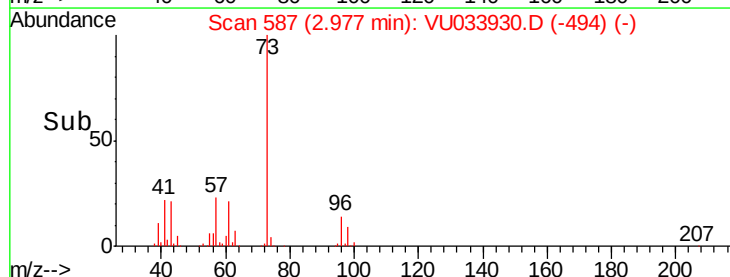
57 23.2 18.8 28.2

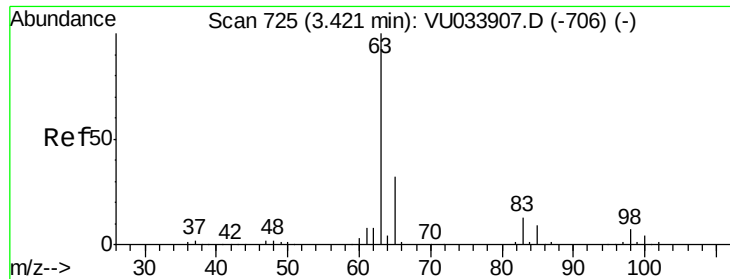


Abundance Ion 73.00 (72.70 to 73.70): VU033930.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033930.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033930.D (-494) (-)

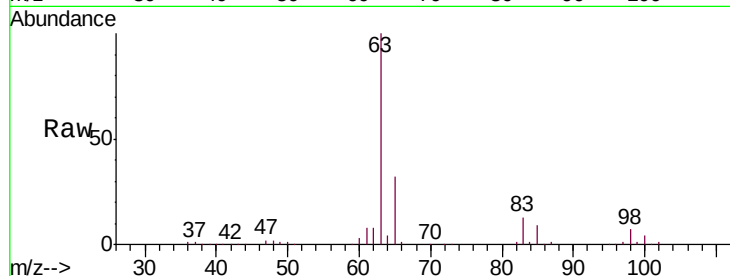




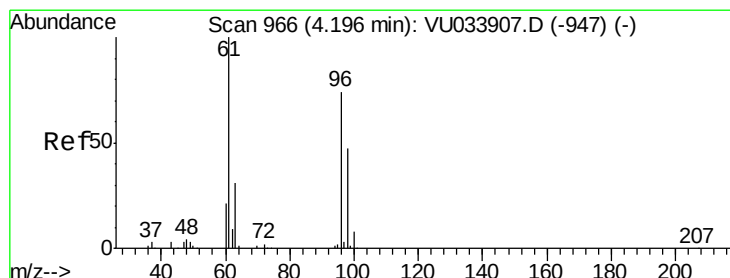
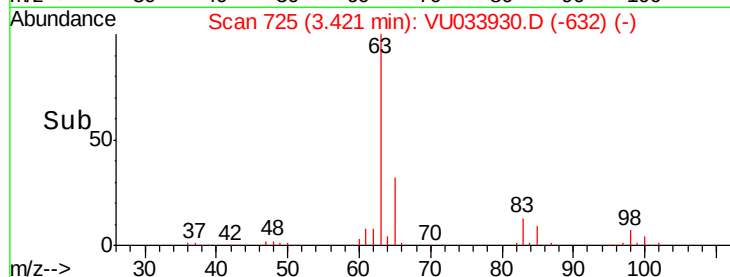
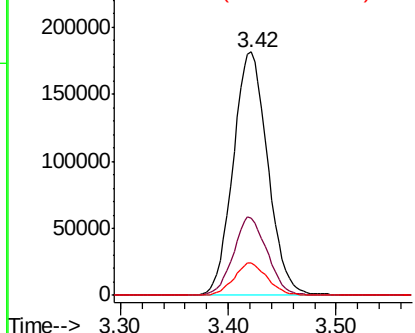
#19
 1,1-Dichloroethane
 Concen: 49.109 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion: 63 Resp: 405885
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.4 41.6
 83 13.2 9.4 17.6

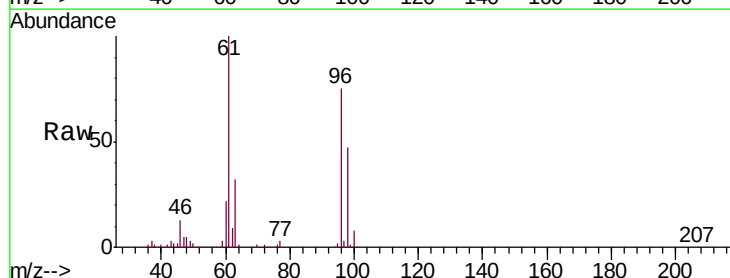


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

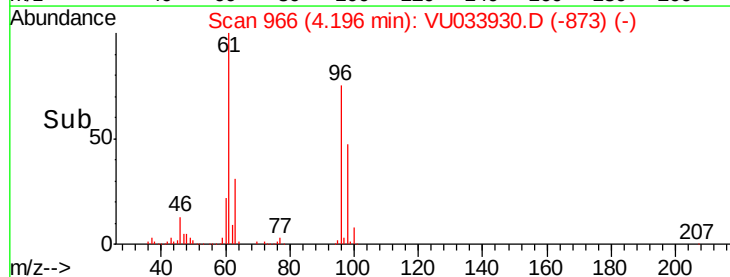
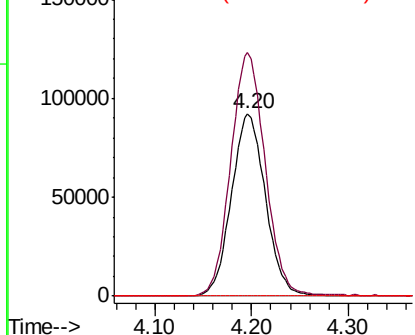


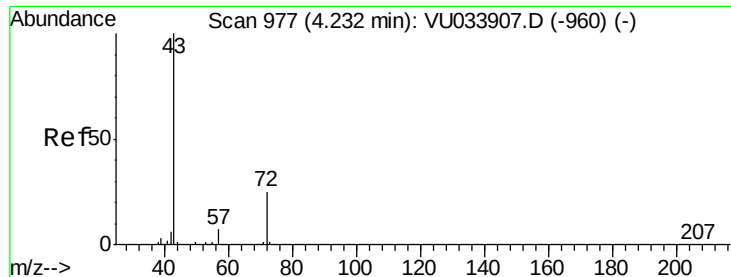
#20
 cis-1,2-Dichloroethene
 Concen: 49.447 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

Tgt Ion: 96 Resp: 225729
 Ion Ratio Lower Upper
 96 100
 61 133.4 95.5 177.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 99.605 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

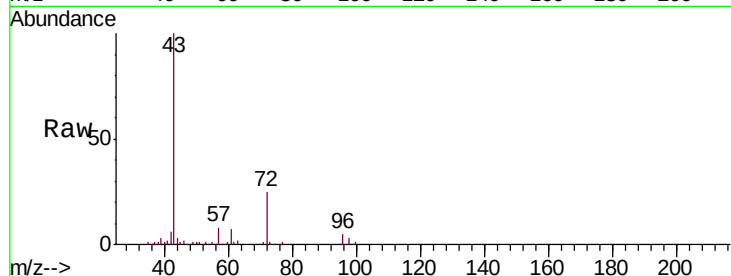
VSTD05051

Tgt Ion: 43 Resp: 386162

Ion Ratio Lower Upper

43 100

72 25.0 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU033930.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU033930.D (-960) (-)

4.23

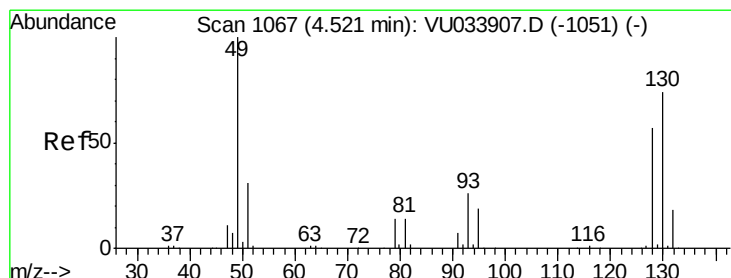
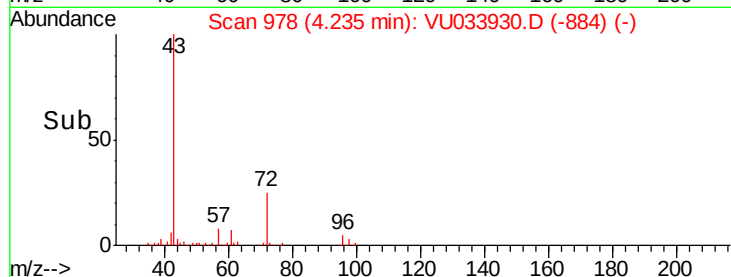
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 48.736 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Tgt Ion: 128 Resp: 114416

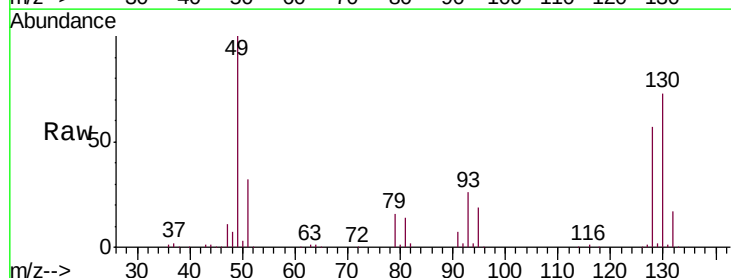
Ion Ratio Lower Upper

128 100

49 175.4 119.4 221.8

130 128.6 90.9 168.7

51 55.4 43.0 64.4



Abundance Ion 128.00 (127.70 to 128.70): VU033930.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VU033930.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VU033930.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VU033930.D (-974) (-)

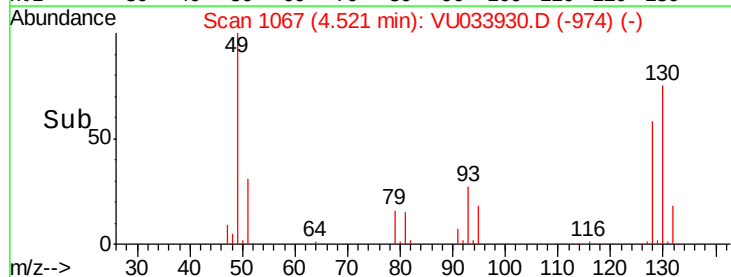
4.52

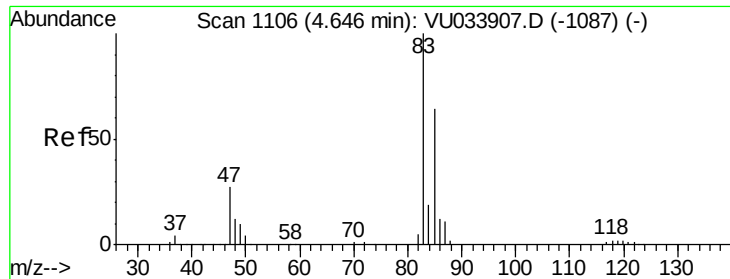
100000

50000

0

Time-->

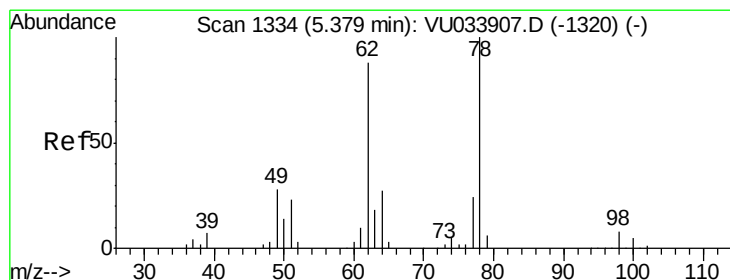
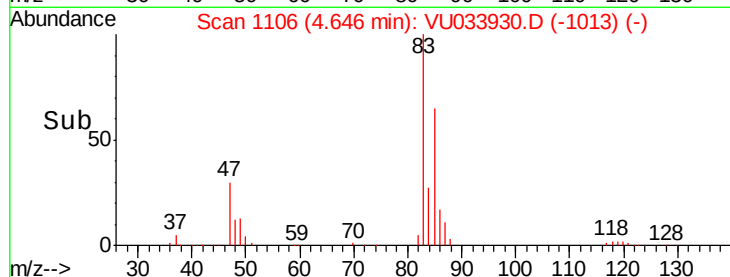
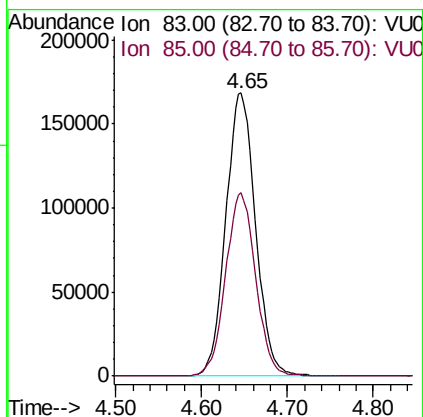
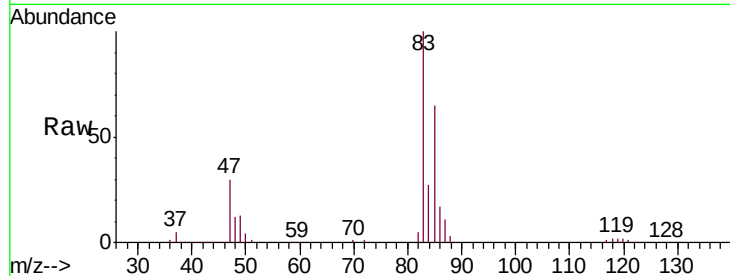




#25
Chloroform
Concen: 49.375 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033930.D
Acq: 23 Aug 2019 03:44

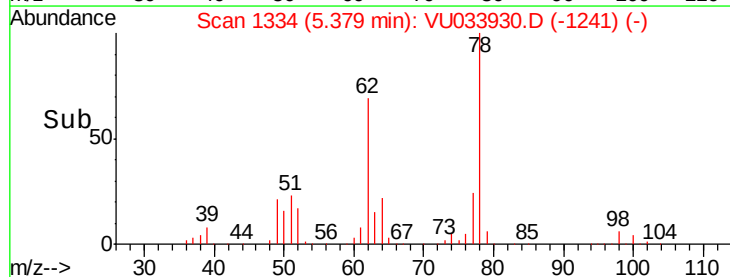
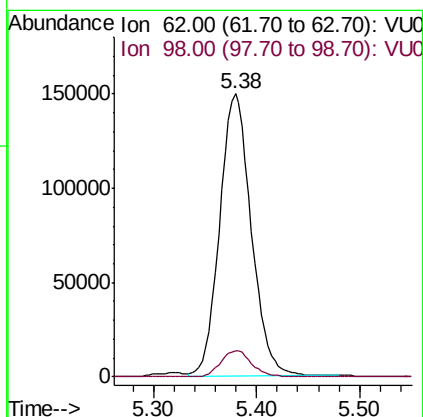
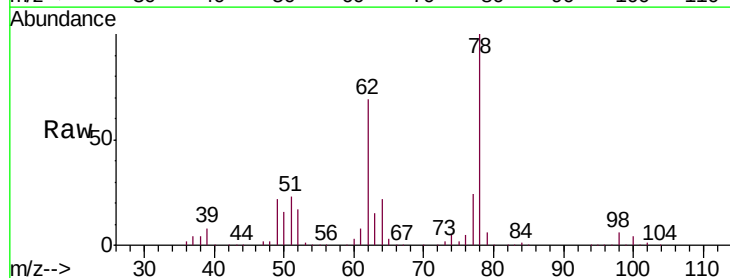
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

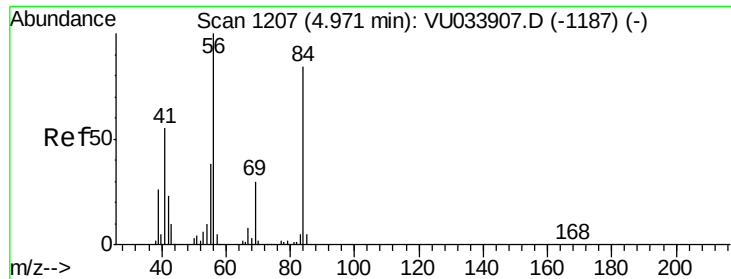
Tgt Ion: 83 Resp: 404159
Ion Ratio Lower Upper
83 100
85 64.7 46.2 85.8



#27
1,2-Dichloroethane
Concen: 49.759 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033930.D
Acq: 23 Aug 2019 03:44

Tgt Ion: 62 Resp: 319609
Ion Ratio Lower Upper
62 100
98 9.2 7.5 11.3

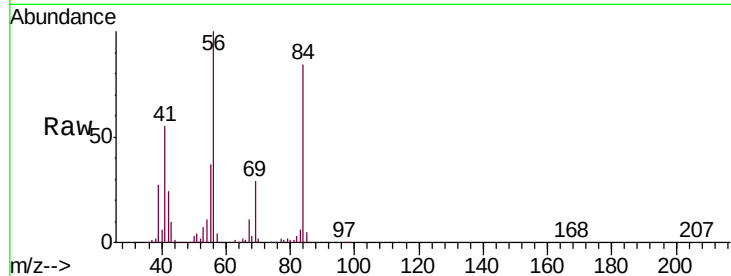




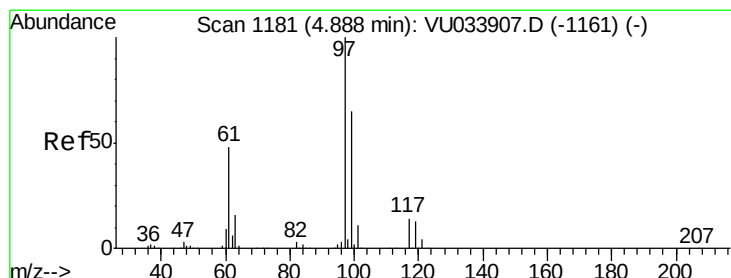
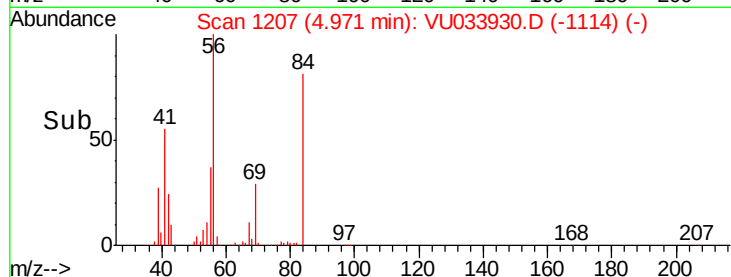
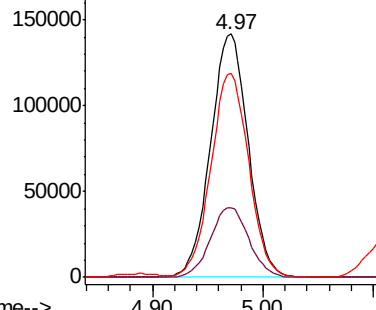
#29
Cyclohexane
Concen: 50.715 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033930.D
Acq: 23 Aug 2019 03:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Tgt Ion: 56 Resp: 335525
Ion Ratio Lower Upper
56 100
69 29.3 24.1 36.1
84 83.8 68.6 103.0

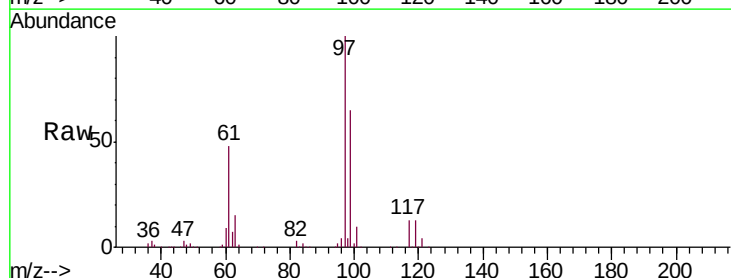


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

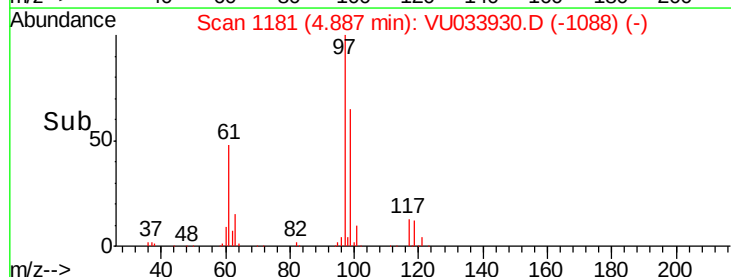
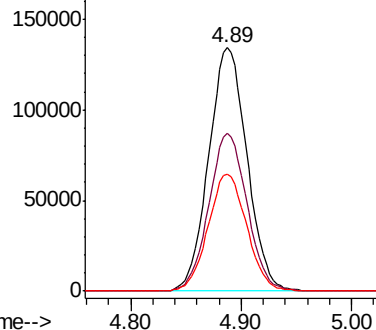


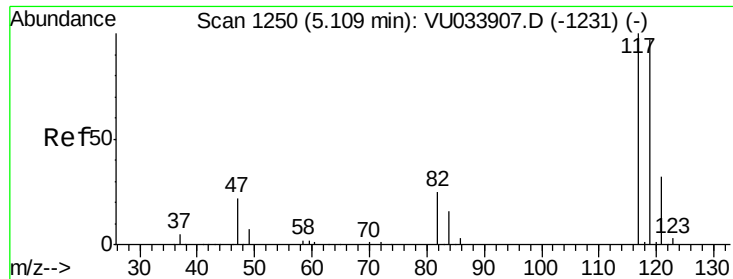
#30
1,1,1-Trichloroethane
Concen: 48.963 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033930.D
Acq: 23 Aug 2019 03:44

Tgt Ion: 97 Resp: 323330
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 48.6 38.6 57.8



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

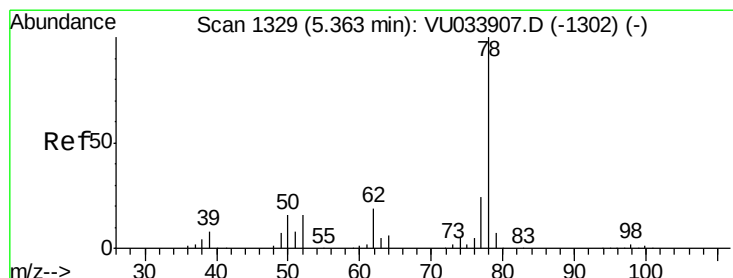
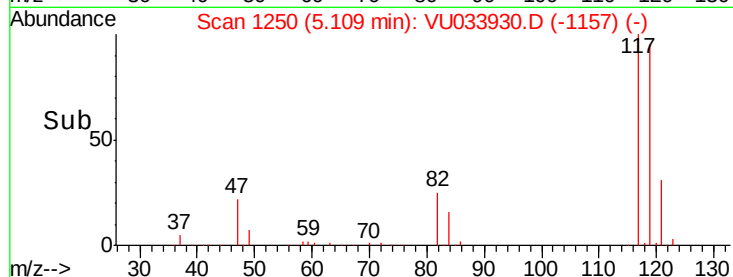
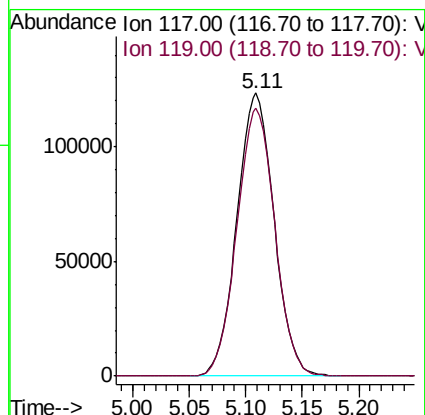
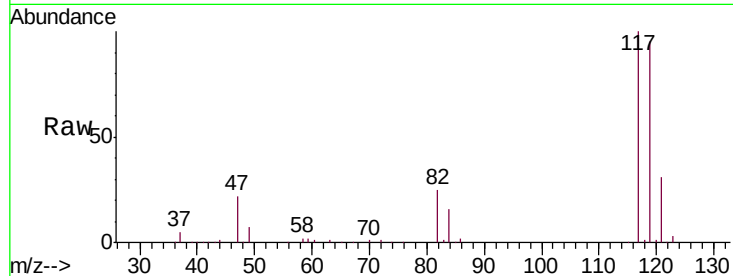




#31
Carbon tetrachloride
Concen: 48.248 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033930.D
Acq: 23 Aug 2019 03:44

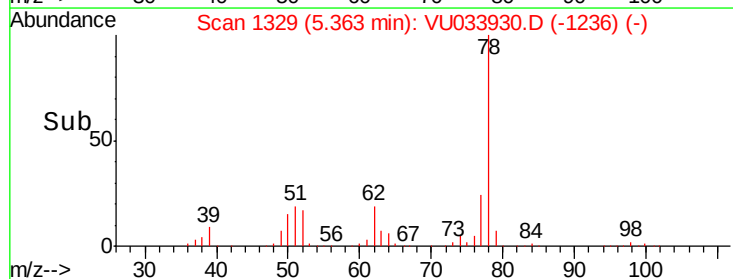
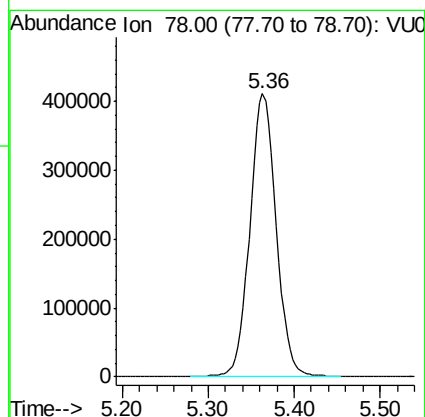
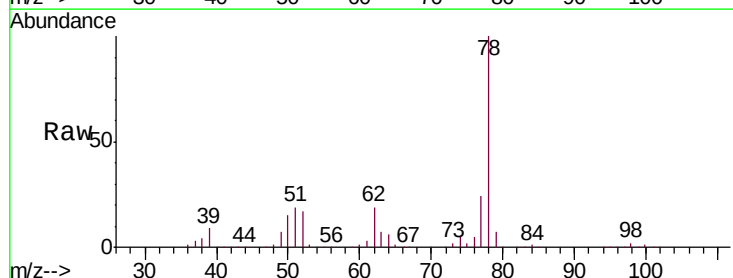
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

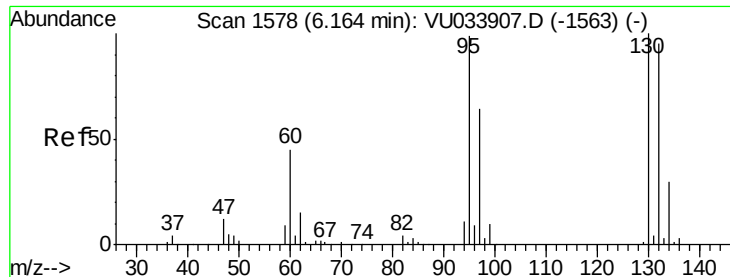
Tgt Ion:117 Resp: 282802
Ion Ratio Lower Upper
117 100
119 96.4 76.3 114.5



#33
Benzene
Concen: 50.460 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033930.D
Acq: 23 Aug 2019 03:44

Tgt Ion: 78 Resp: 874887





#34

Trichloroethene

Concen: 47.144 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

Tgt Ion: 95 Resp: 212091

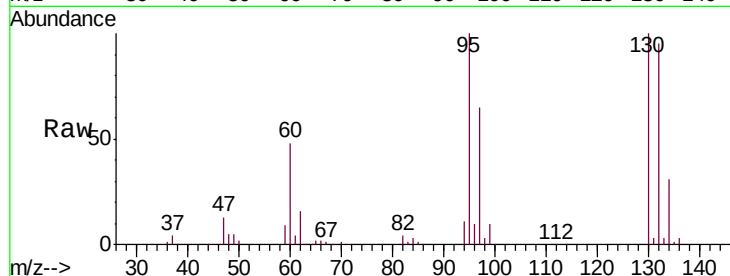
Ion Ratio Lower Upper

95 100

97 65.1 44.7 82.9

132 95.6 65.7 122.1

130 100.2 70.0 130.0

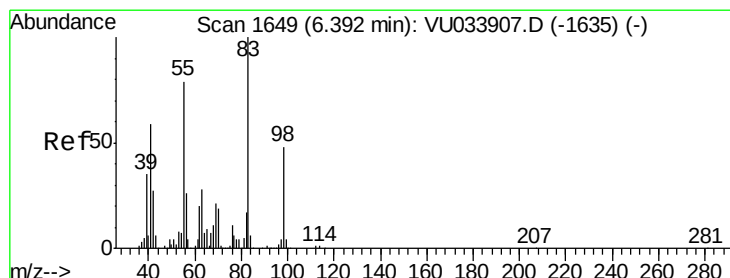
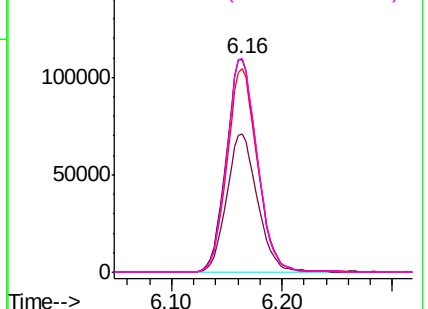
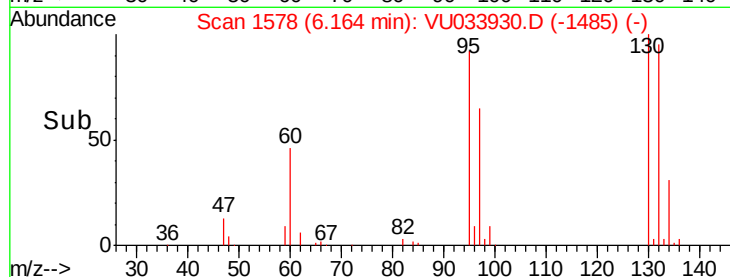


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 47.499 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

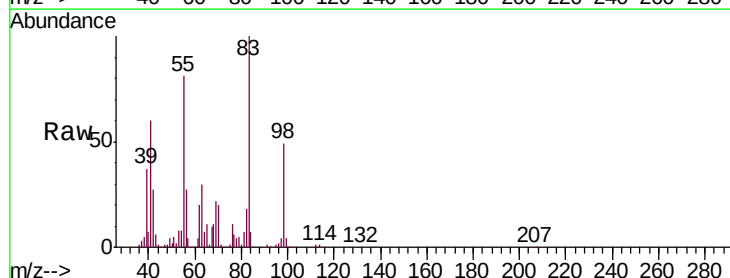
Tgt Ion: 83 Resp: 322154

Ion Ratio Lower Upper

83 100

55 82.5 64.4 96.6

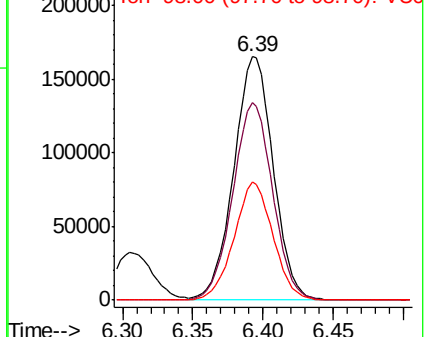
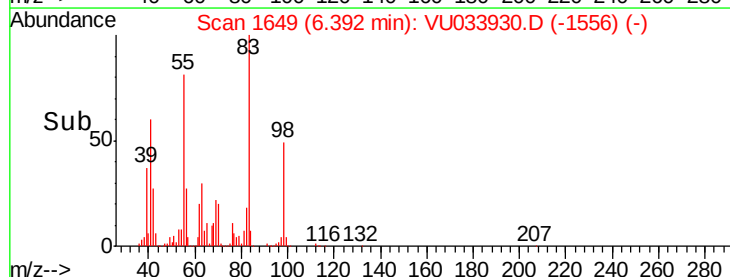
98 48.1 38.7 58.1

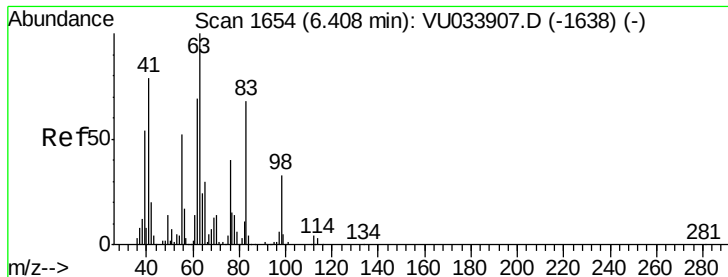


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

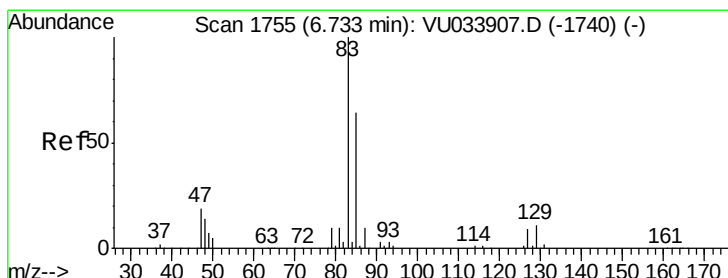
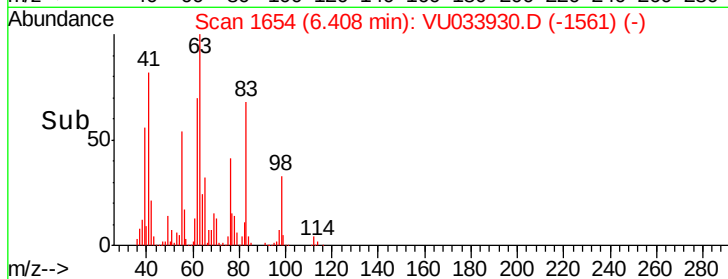
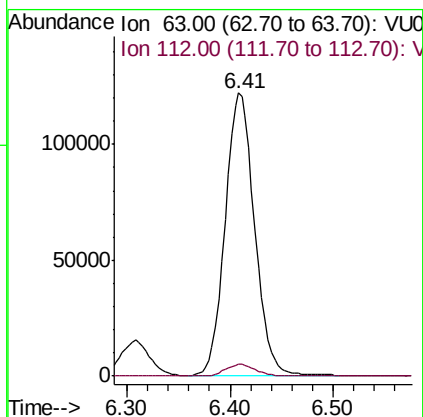
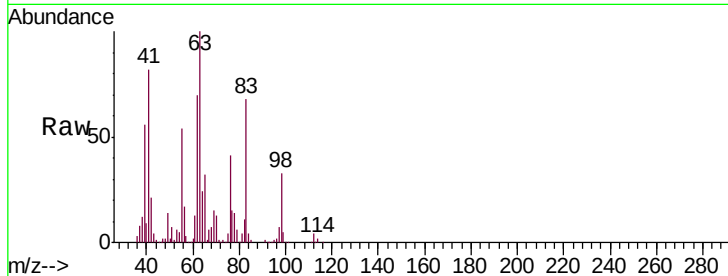




#37
 1,2-Dichloropropane
 Concen: 51.110 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

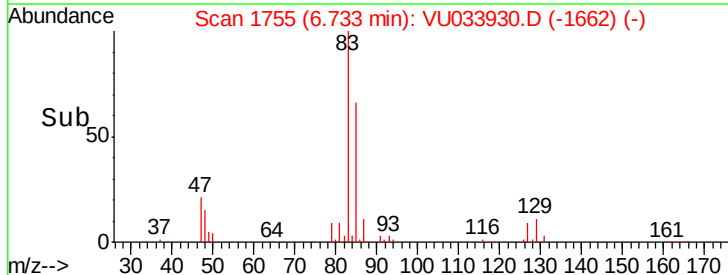
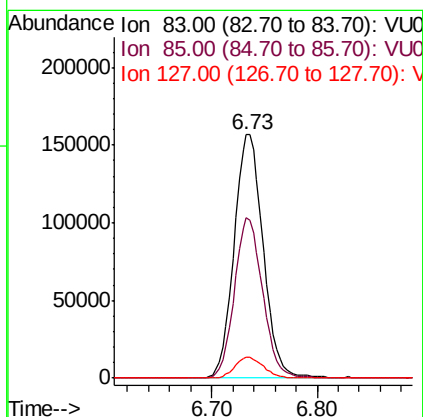
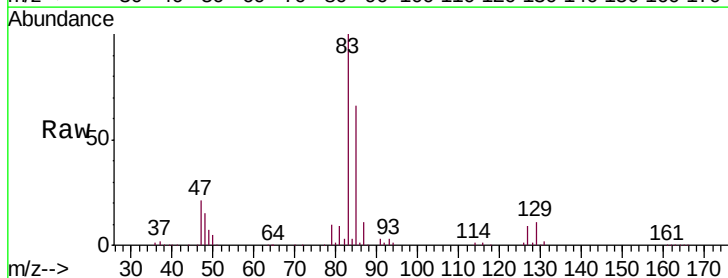
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

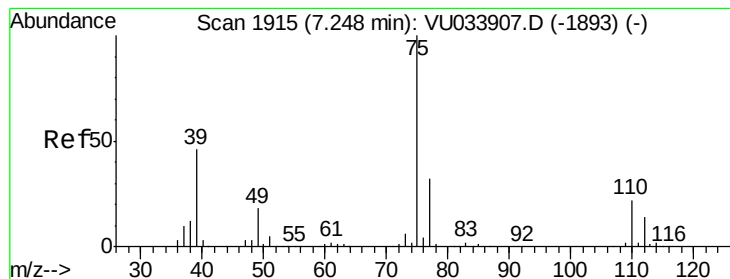
Tgt Ion: 63 Resp: 242434
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 48.668 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

Tgt Ion: 83 Resp: 298303
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.0 81.8
 127 8.5 6.8 10.2



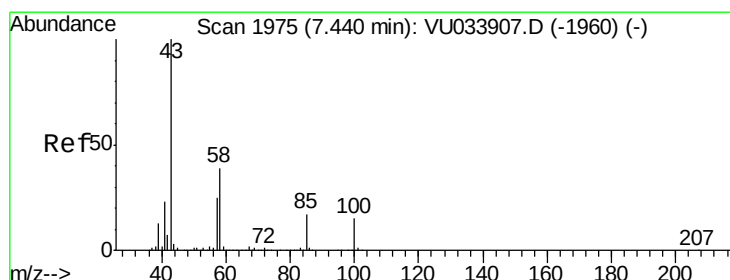
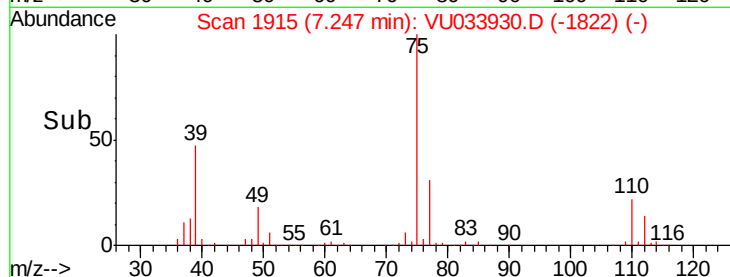
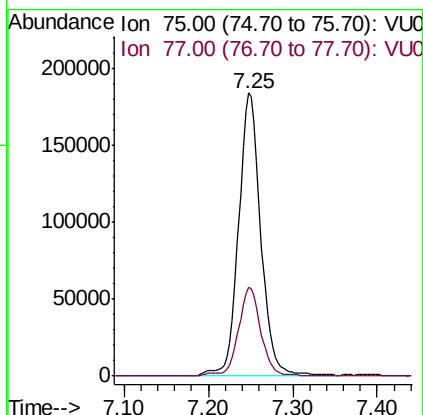
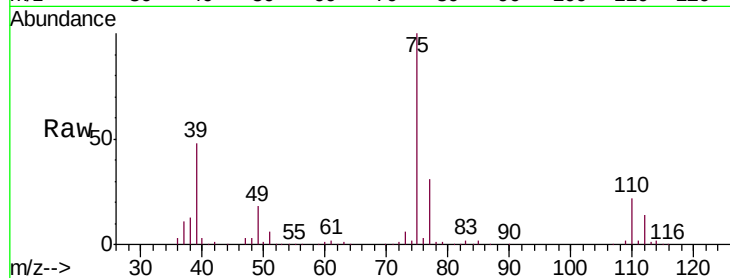


#39

cis-1,3-Dichloropropene
 Concen: 48.358 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05051

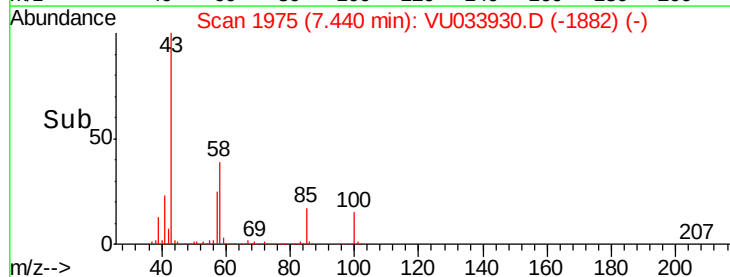
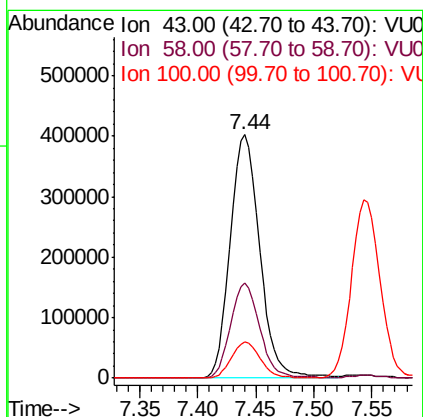
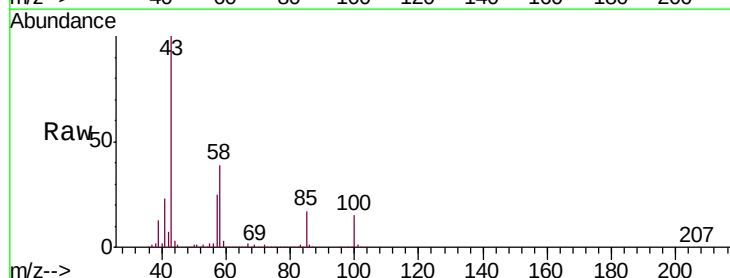
Tgt Ion: 75 Resp: 340937
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.8 40.4

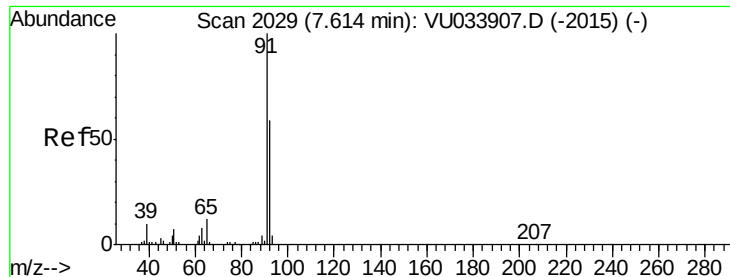


#40

4-Methyl-2-pentanone
 Concen: 104.465 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

Tgt Ion: 43 Resp: 709709
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.6 47.4
 100 14.4 12.0 18.0





#42

Toluene

Concen: 50.307 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

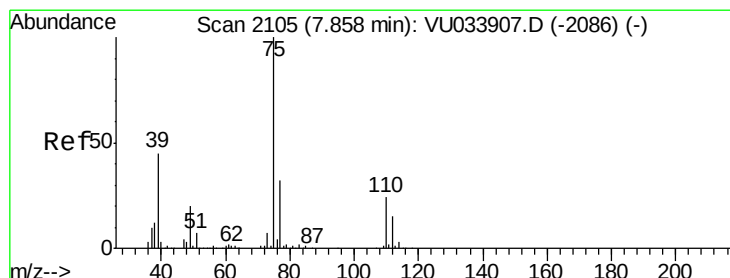
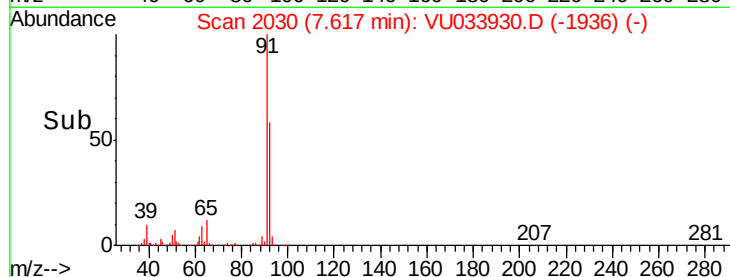
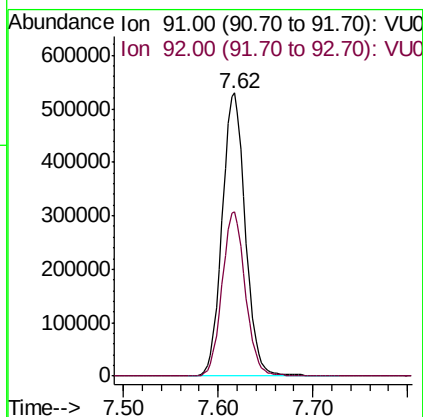
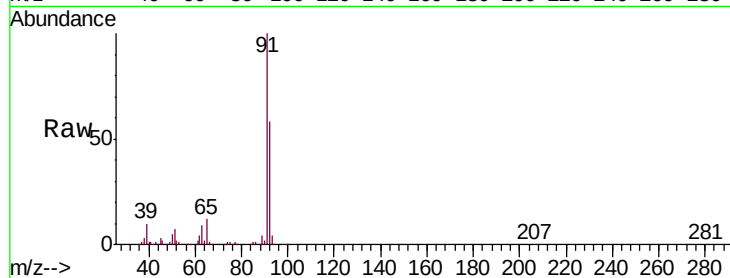
VSTD05051

Tgt Ion: 91 Resp: 902577

Ion Ratio Lower Upper

91 100

92 58.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 47.895 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU033930.D

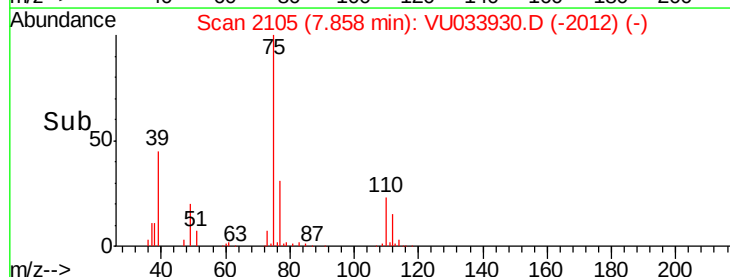
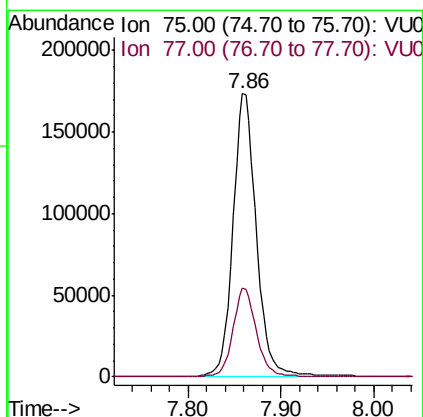
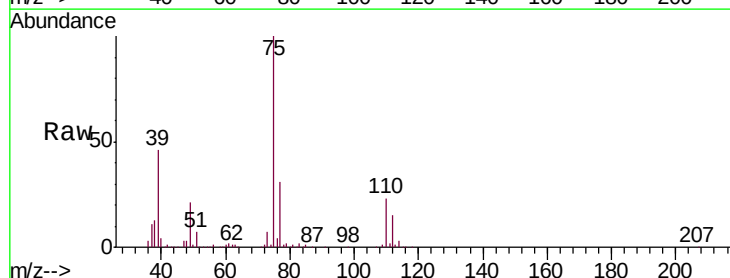
Acq: 23 Aug 2019 03:44

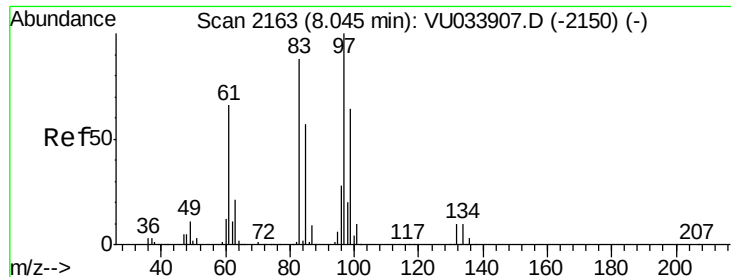
Tgt Ion: 75 Resp: 304290

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 49.470 ug/L

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

Tgt Ion: 97 Resp: 215301

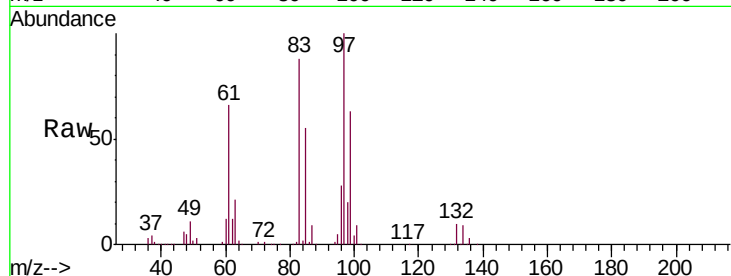
Ion Ratio Lower Upper

97 100

99 62.5 44.2 82.2

83 88.1 61.2 113.6

85 55.4 39.0 72.4

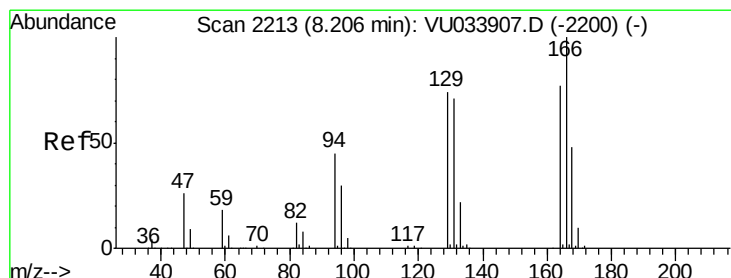
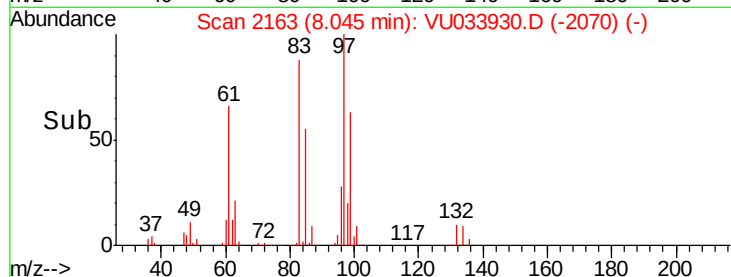
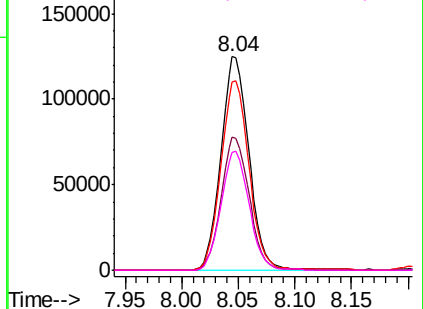


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 45.682 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Tgt Ion: 164 Resp: 159714

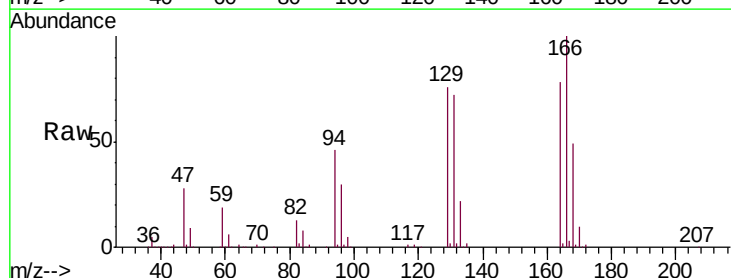
Ion Ratio Lower Upper

164 100

129 96.9 63.9 118.7

131 92.2 62.5 116.1

166 128.1 87.3 162.1

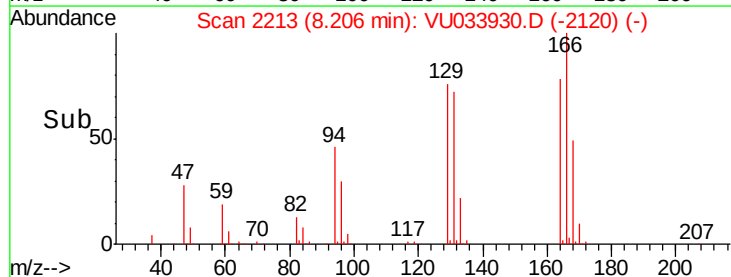
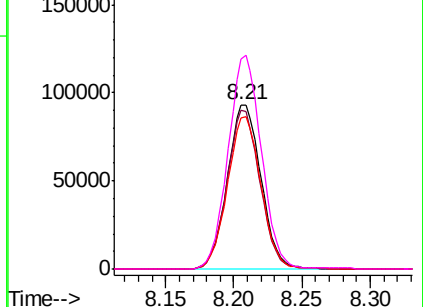


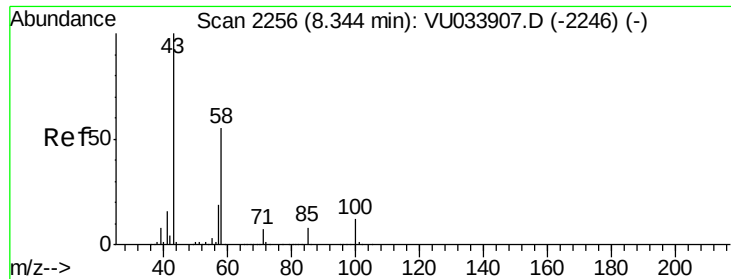
Abundance Ion 164.00 (163.70 to 164.70): V

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

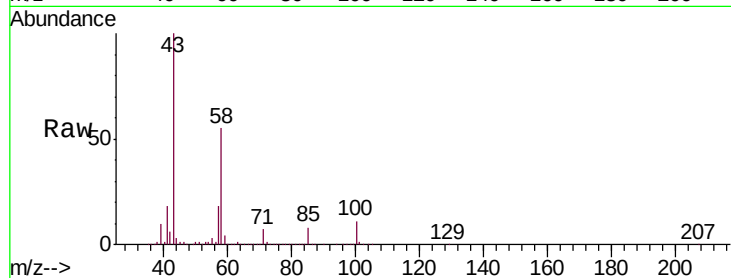




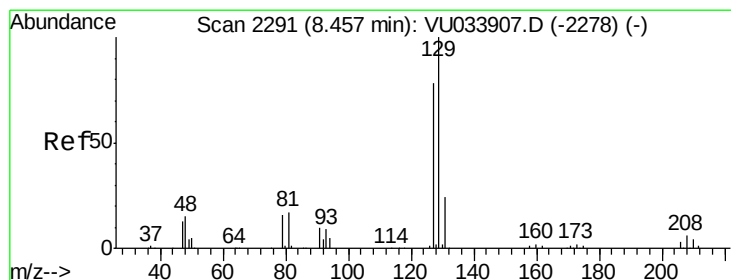
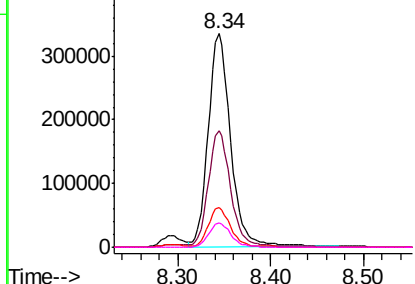
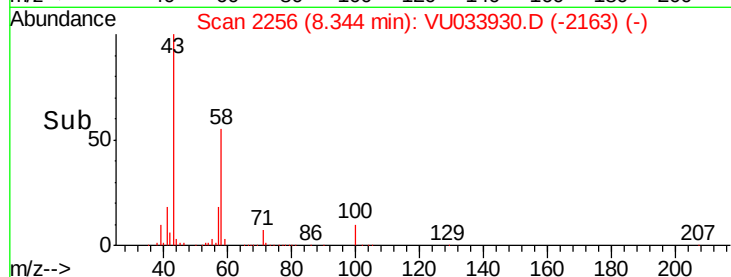
#48
2-Hexanone
Concen: 106.082 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033930.D
Acq: 23 Aug 2019 03:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Tgt Ion: 43 Resp: 559619
Ion Ratio Lower Upper
43 100
58 54.1 44.3 66.5
57 17.8 15.3 22.9
100 11.4 9.4 14.2

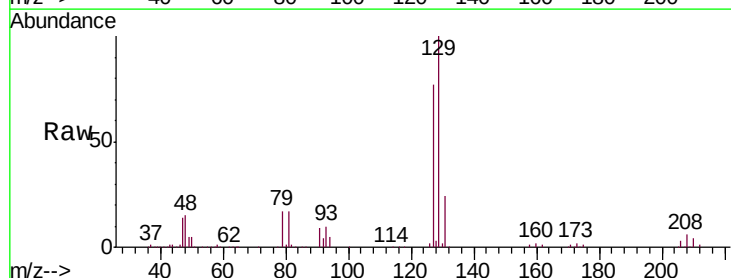


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

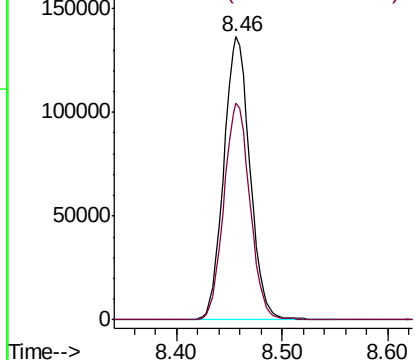
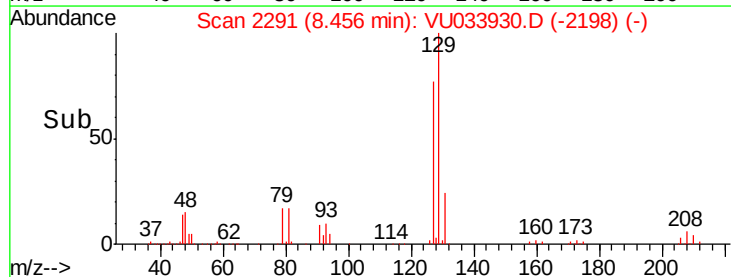


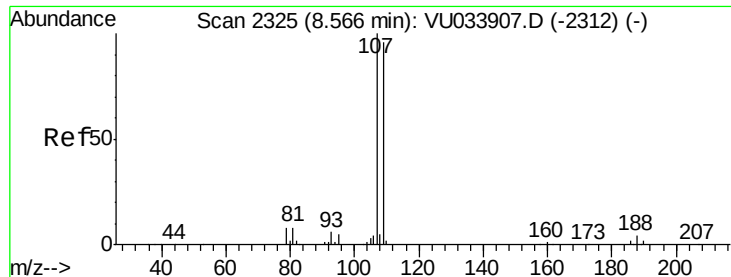
#49
Dibromochloromethane
Concen: 48.463 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033930.D
Acq: 23 Aug 2019 03:44

Tgt Ion: 129 Resp: 233974
Ion Ratio Lower Upper
129 100
127 76.7 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

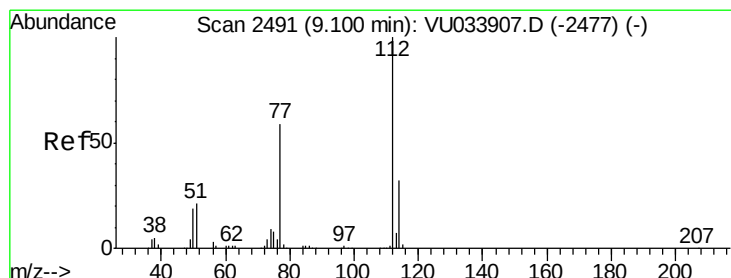
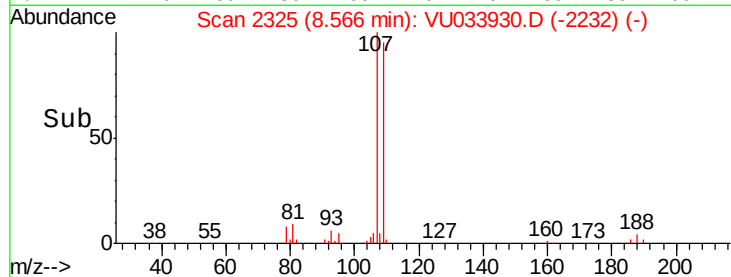
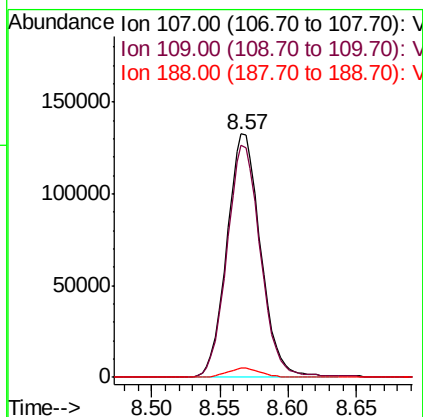
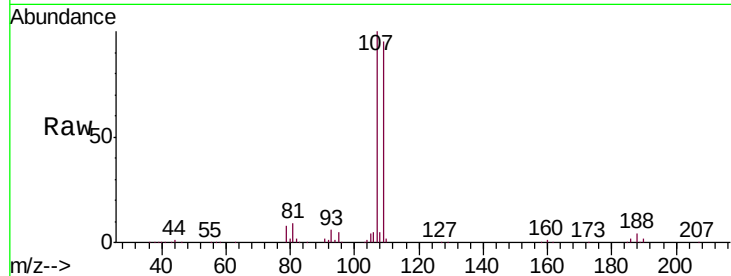




#50
 1,2-Dibromoethane
 Concen: 49.235 ug/L
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

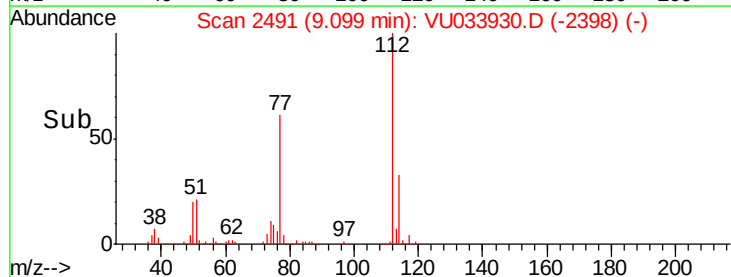
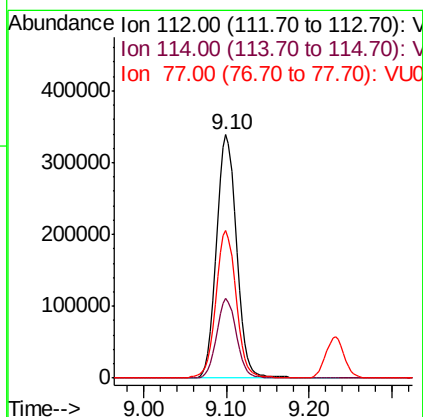
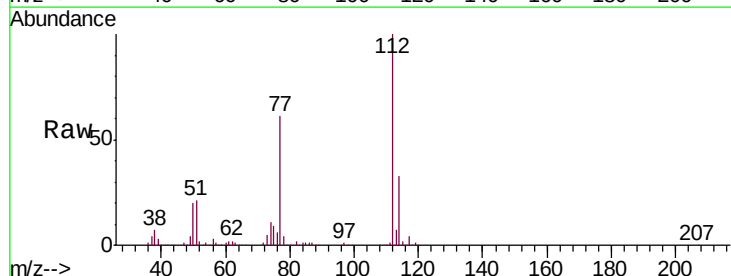
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

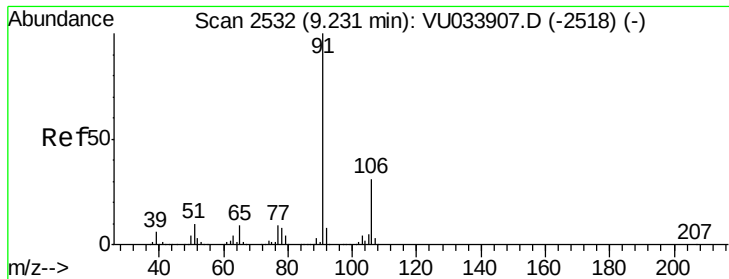
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	66.9	124.3
188	3.9	3.0	4.4



#51
 Chlorobenzene
 Concen: 47.954 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.5	41.7
77	60.6	47.3	70.9

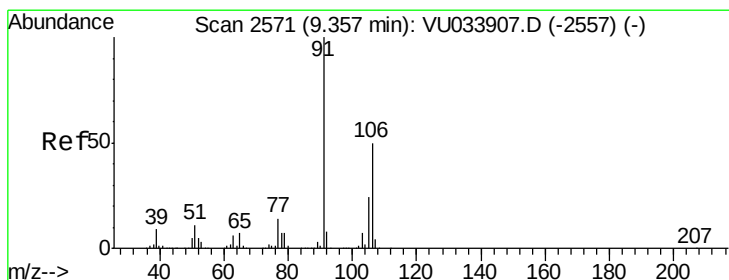
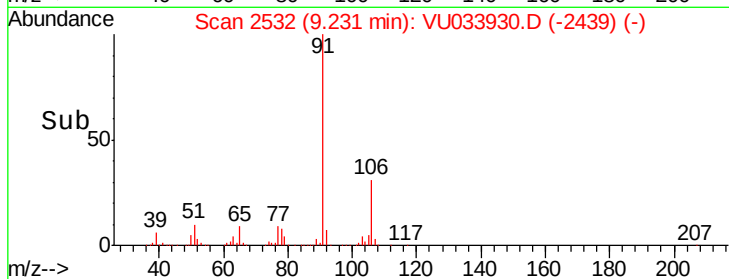
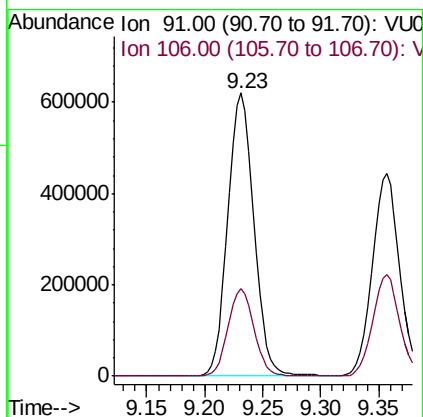
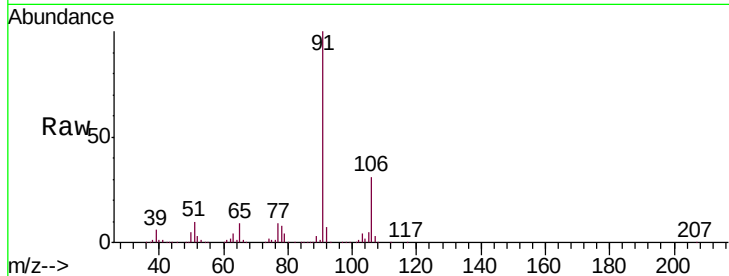




#52
Ethylbenzene
Concen: 49.834 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU033930.D
Acq: 23 Aug 2019 03:44

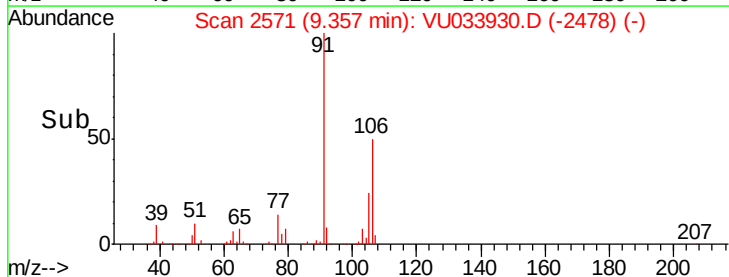
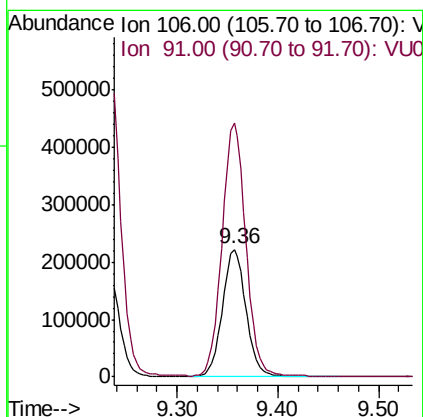
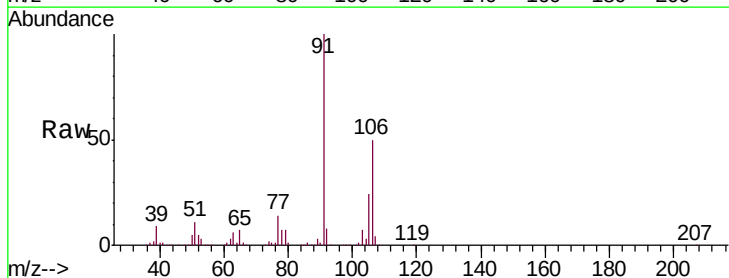
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

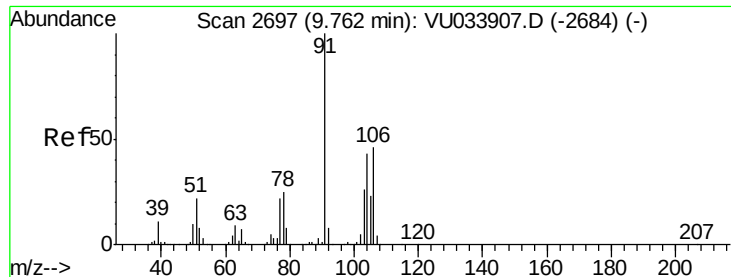
Tgt Ion: 91 Resp: 965747
Ion Ratio Lower Upper
91 100
106 30.7 21.4 39.8



#53
m,p-Xylene
Concen: 50.871 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU033930.D
Acq: 23 Aug 2019 03:44

Tgt Ion: 106 Resp: 363286
Ion Ratio Lower Upper
106 100
91 199.1 142.2 264.0





#54

o-xylene

Concen: 50.113 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

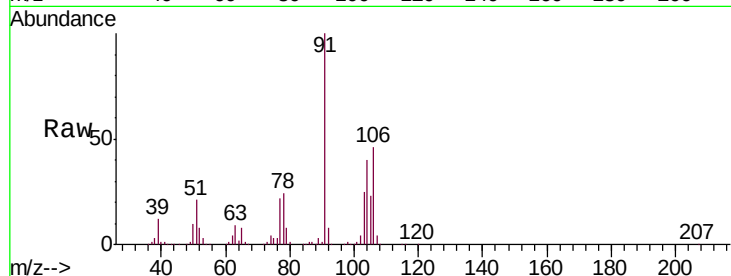
VSTD05051

Tgt Ion:106 Resp: 352765

Ion Ratio Lower Upper

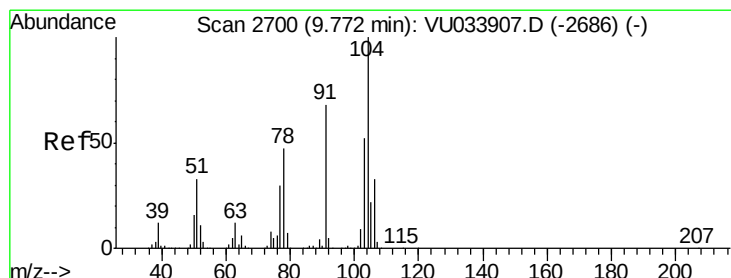
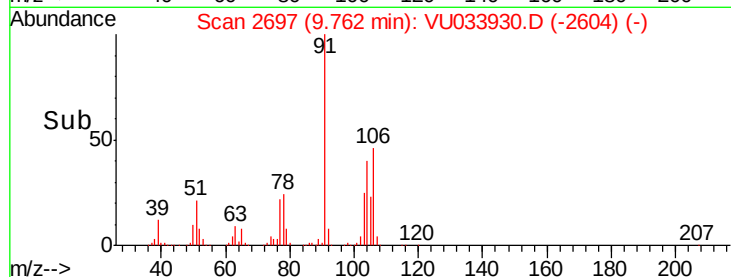
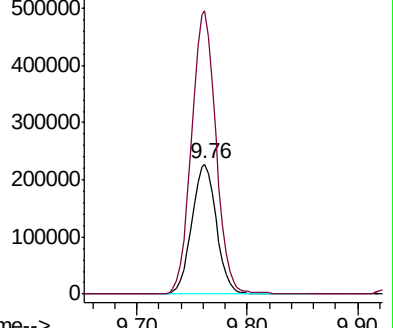
106 100

91 217.1 148.6 276.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.977 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033930.D

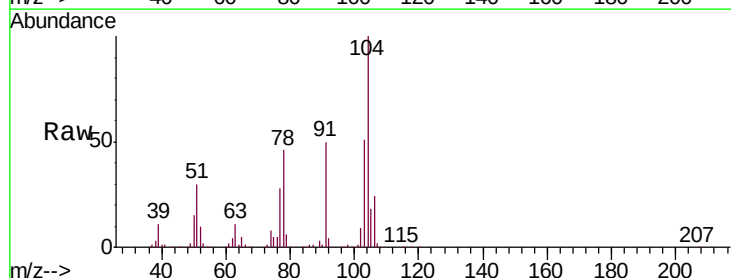
Acq: 23 Aug 2019 03:44

Tgt Ion:104 Resp: 623002

Ion Ratio Lower Upper

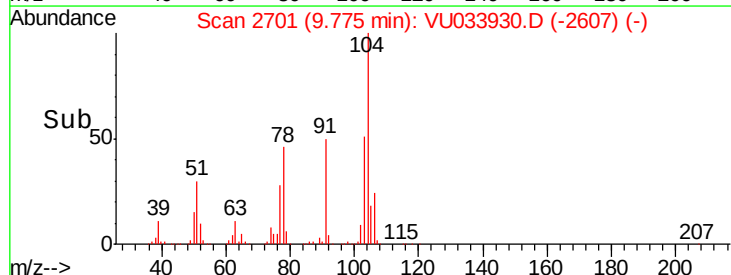
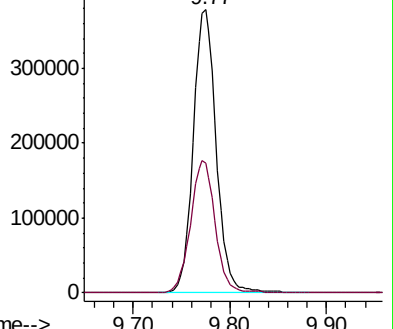
104 100

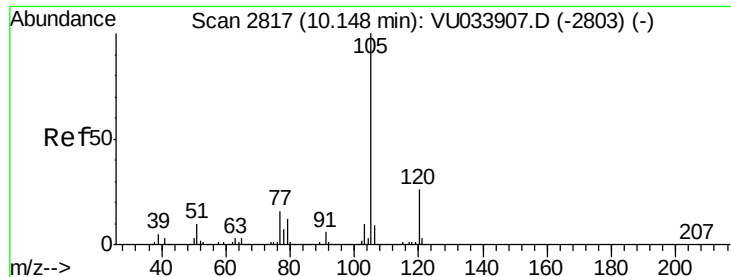
78 45.8 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.985 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

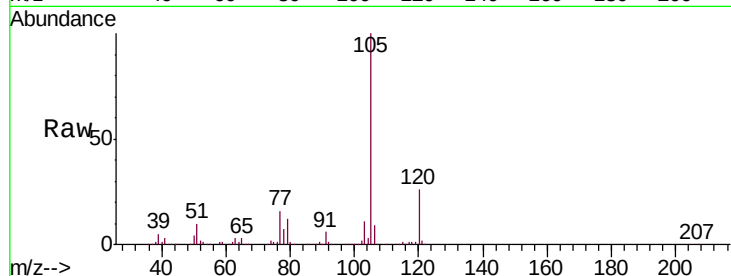
Tgt Ion: 105 Resp: 914338

Ion Ratio Lower Upper

105 100

120 26.1 21.2 31.8

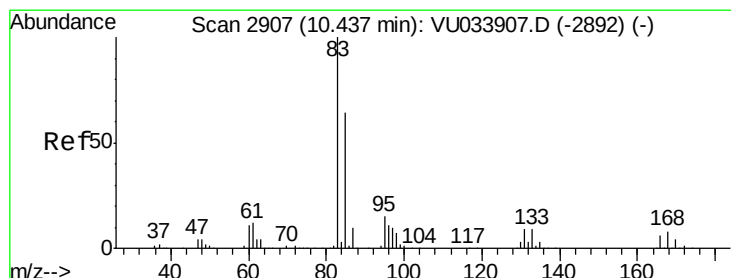
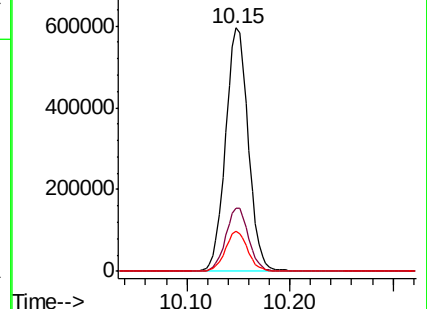
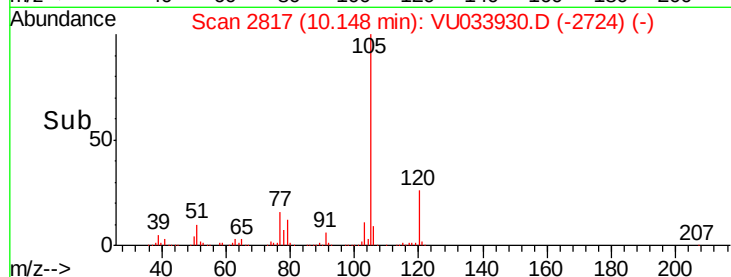
77 16.2 12.6 18.8



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: 49.737 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

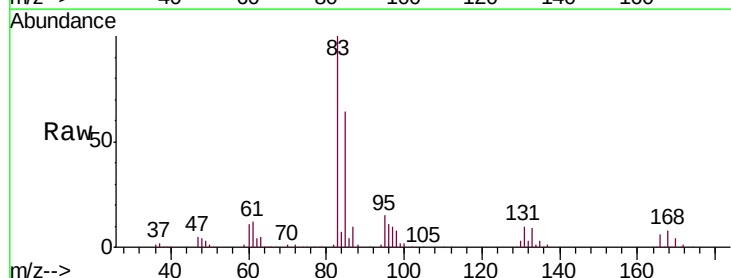
Tgt Ion: 83 Resp: 375172

Ion Ratio Lower Upper

83 100

85 64.2 46.3 85.9

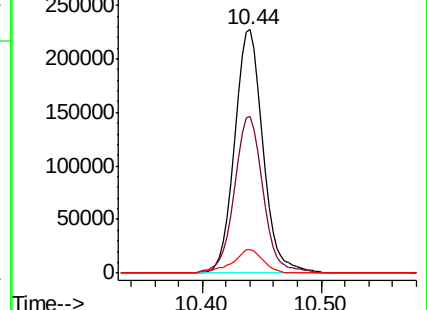
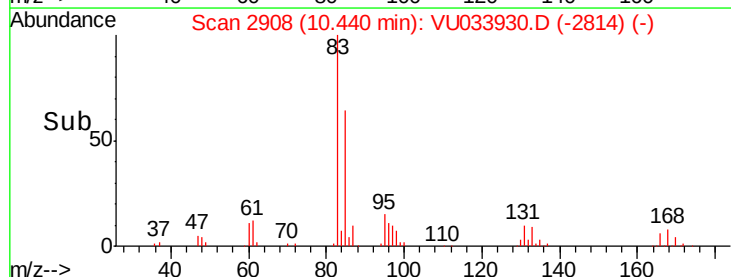
131 9.6 7.9 11.9

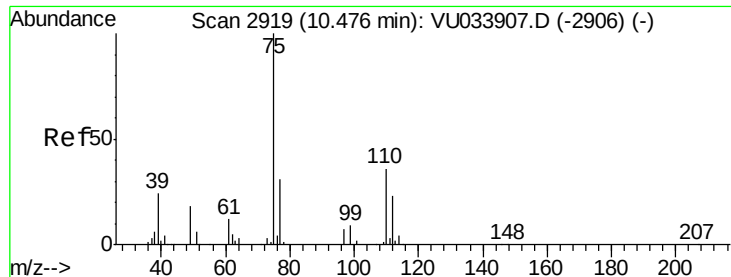


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.281 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

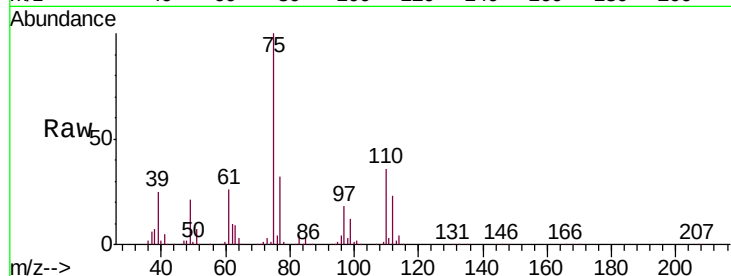
VSTD05051

Tgt Ion: 75 Resp: 298749

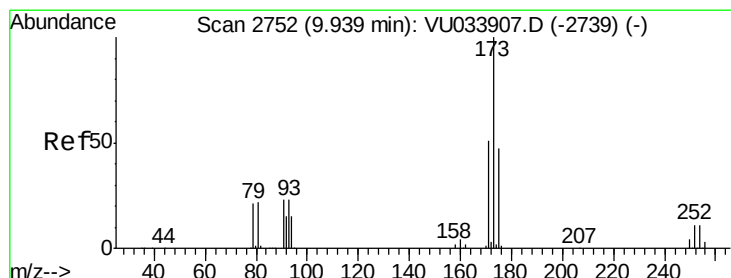
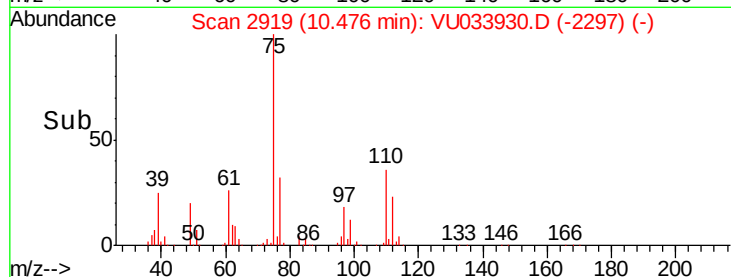
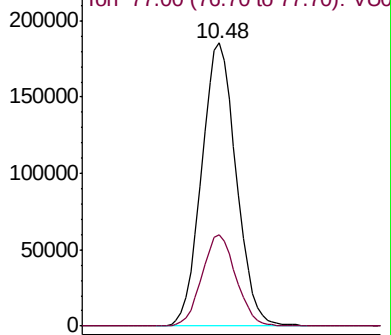
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU033907.D (-2906) (-)



#61

Bromoform

Concen: 46.109 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

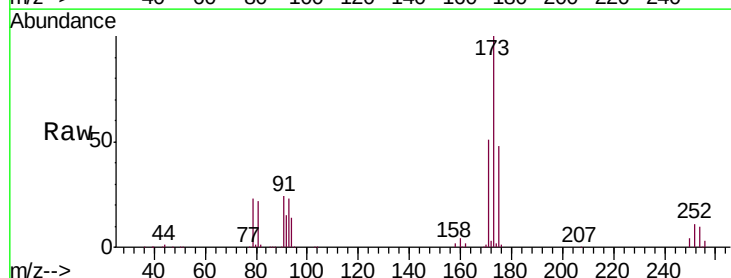
Tgt Ion: 173 Resp: 170271

Ion Ratio Lower Upper

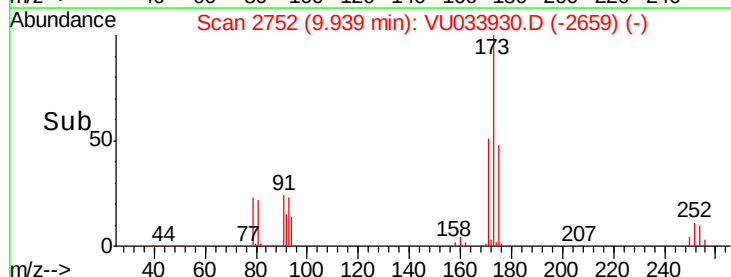
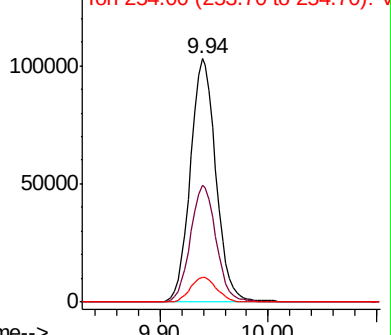
173 100

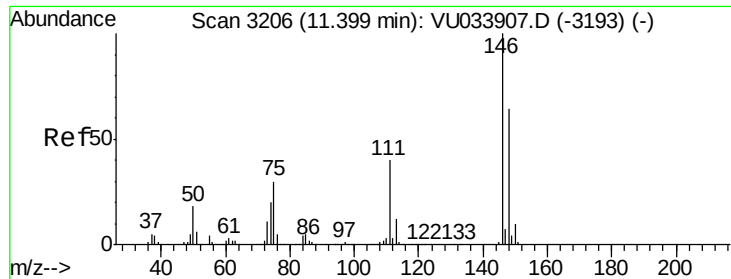
175 48.2 39.4 59.2

254 10.4 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): VU033907.D (-2739) (-)

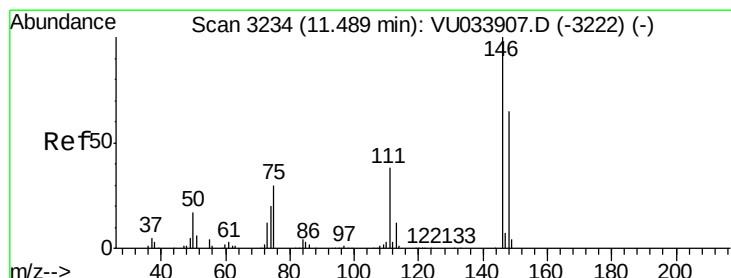
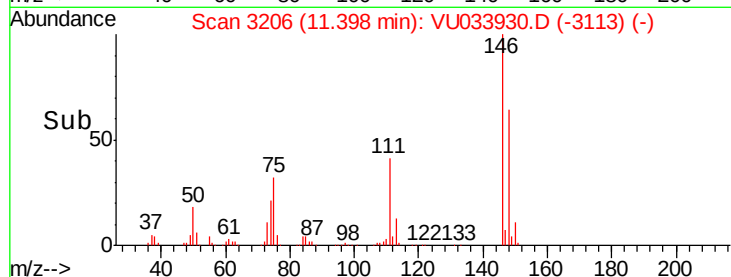
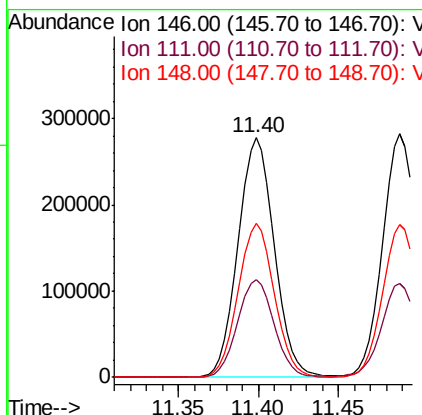
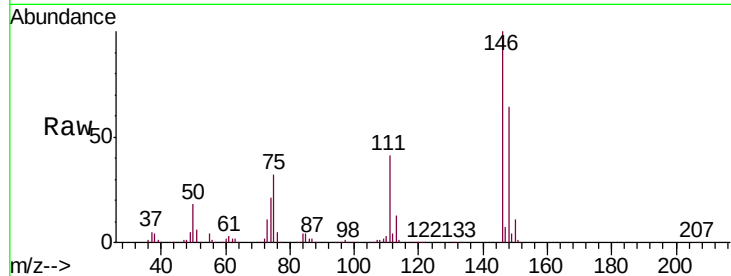




#62
 1,3-Dichlorobenzene
 Concen: 46.725 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

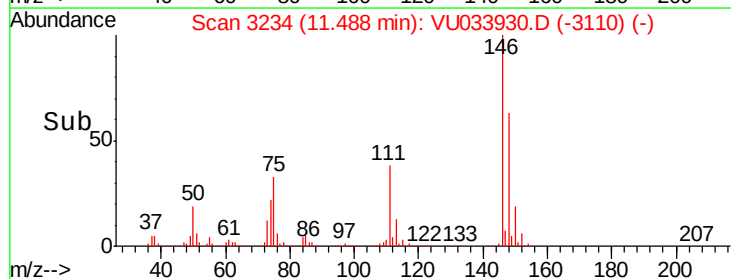
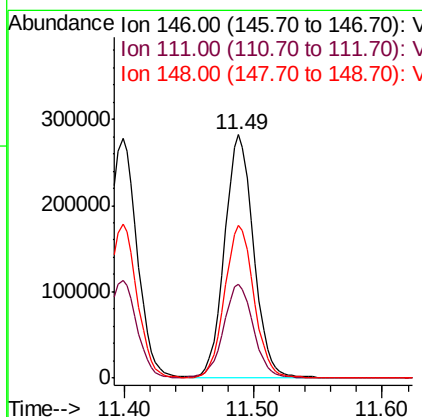
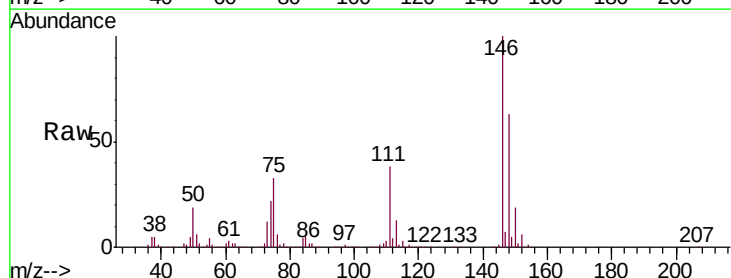
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

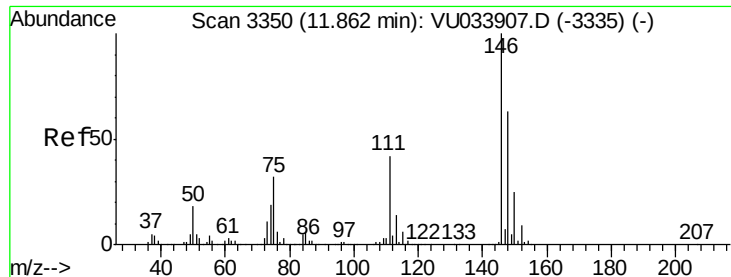
Tgt Ion:146 Resp: 429660
 Ion Ratio Lower Upper
 146 100
 111 41.1 27.8 51.6
 148 64.2 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 46.021 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

Tgt Ion:146 Resp: 438491
 Ion Ratio Lower Upper
 146 100
 111 38.5 26.7 49.5
 148 62.6 43.5 80.9





#65

1,2-Dichlorobenzene

Concen: 46.920 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

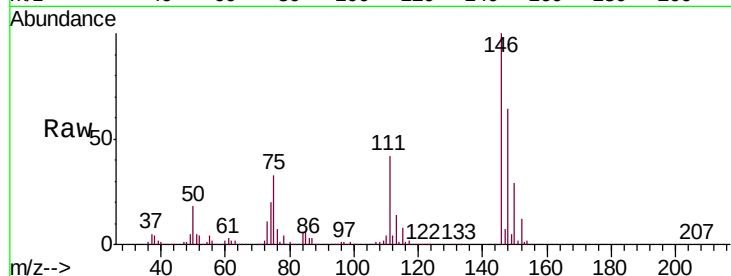
Tgt Ion:146 Resp: 430441

Ion Ratio Lower Upper

146 100

111 41.6 33.1 49.7

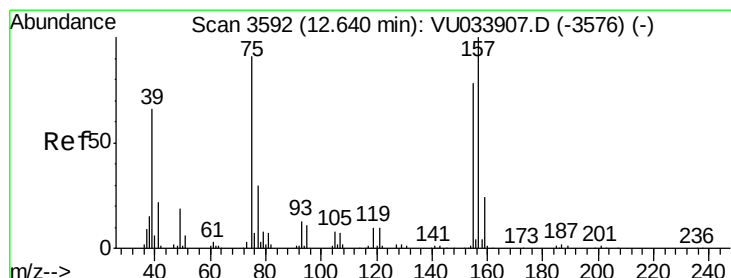
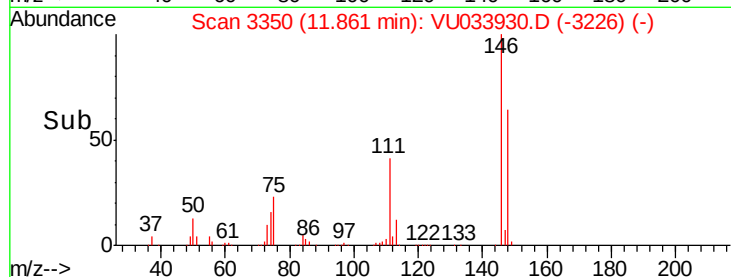
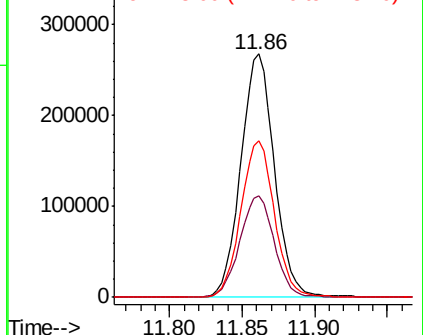
148 64.1 50.8 76.2



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: 49.160 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

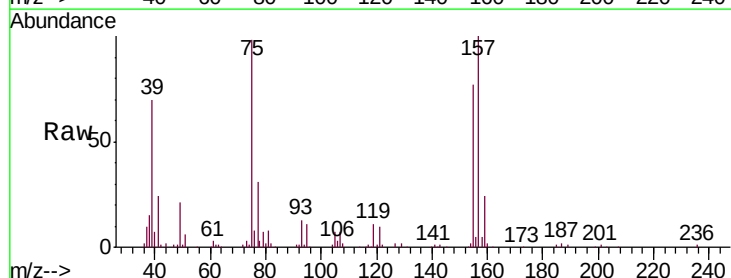
Tgt Ion: 75 Resp: 82711

Ion Ratio Lower Upper

75 100

155 78.5 64.3 96.5

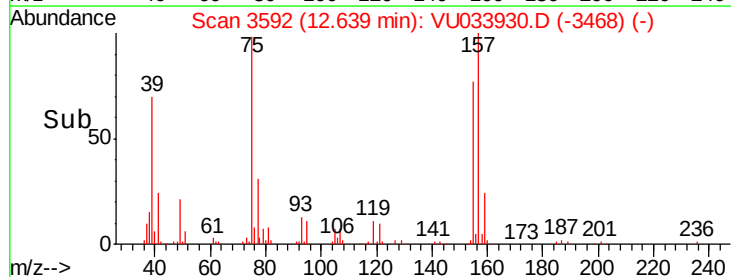
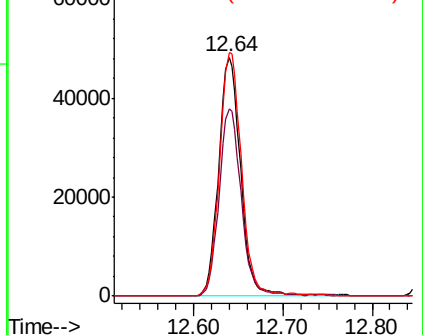
157 102.0 83.4 125.2

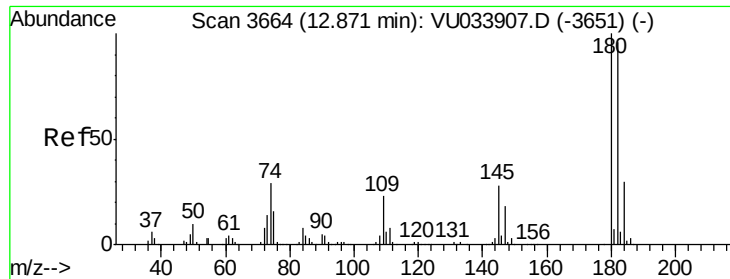


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

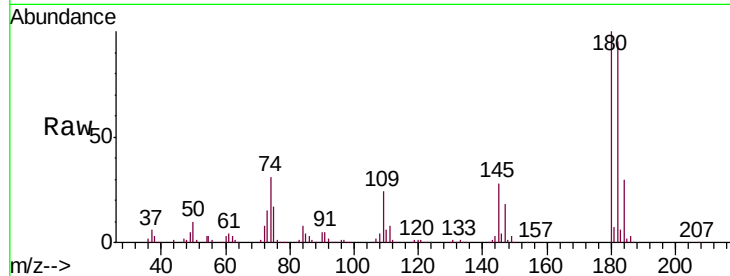




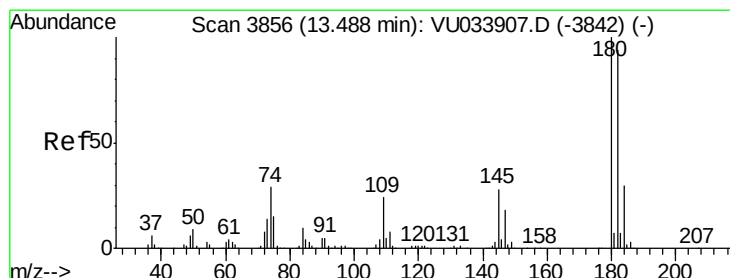
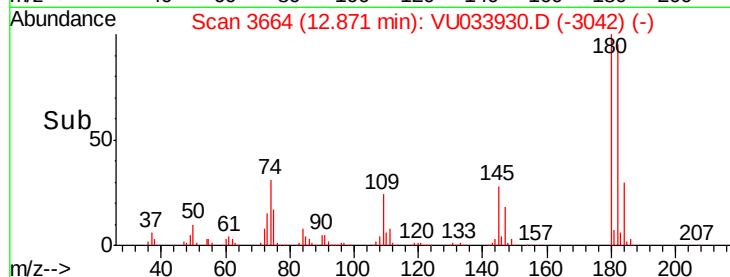
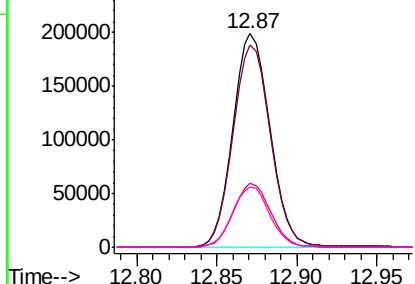
#67
 1,3,5-Trichlorobenzene
 Concen: 44.566 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion:180 Resp: 314993
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.4 114.6
 184 30.0 24.1 36.1
 145 28.4 22.4 33.6

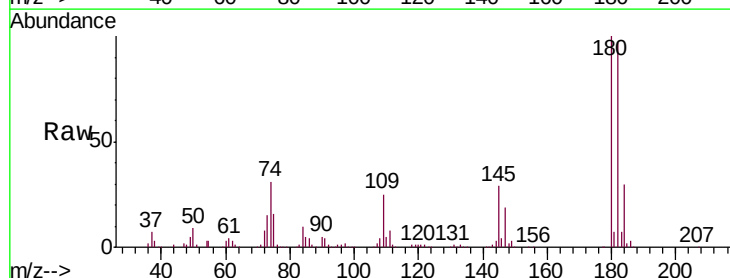


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

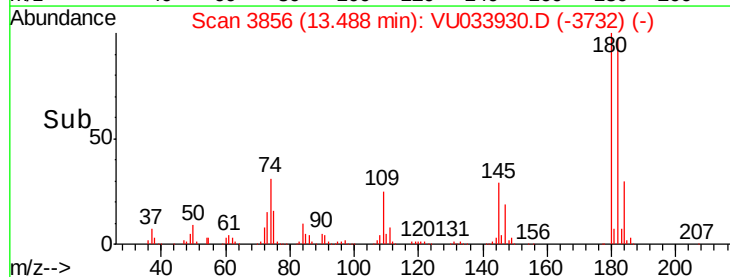
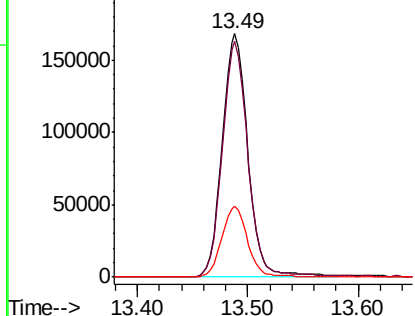


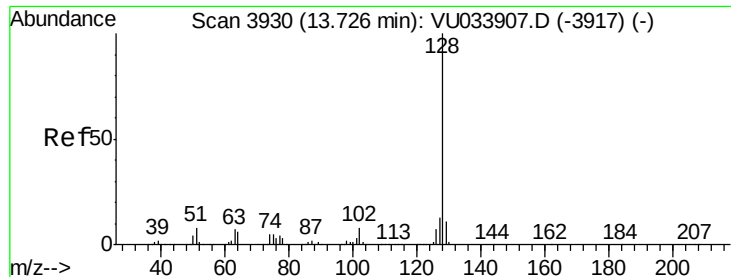
#68
 1,2,4-trichlorobenzene
 Concen: 47.070 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033930.D
 Acq: 23 Aug 2019 03:44

Tgt Ion:180 Resp: 272790
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.8 115.2
 145 29.0 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: 50.700 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. -0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

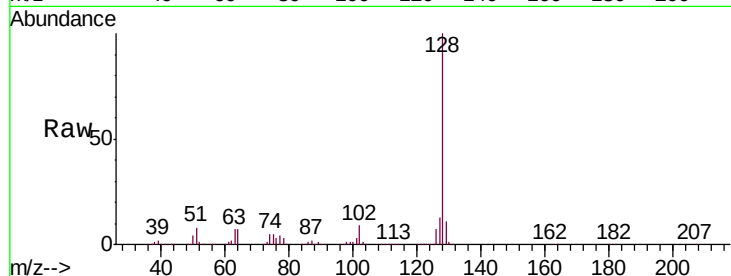
Tgt Ion:128 Resp: 877284

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

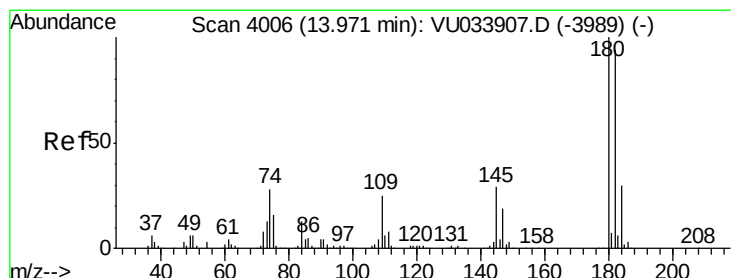
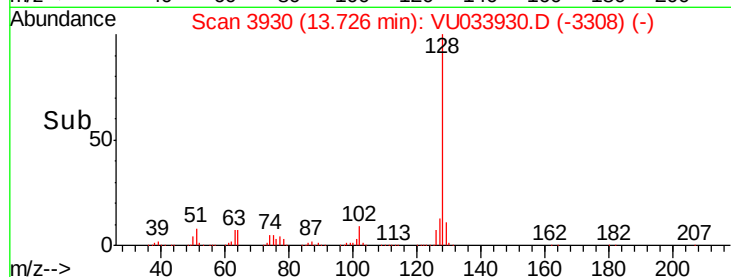
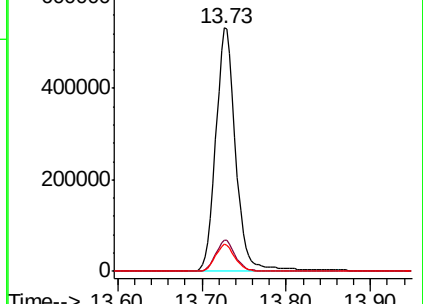
129 10.8 8.3 12.5



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: 48.422 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033930.D

Acq: 23 Aug 2019 03:44

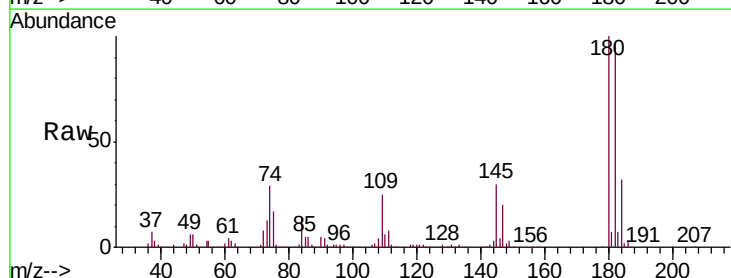
Tgt Ion:180 Resp: 296569

Ion Ratio Lower Upper

180 100

182 95.6 76.7 115.1

145 30.2 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

