

Data File : VU033944.D
Acq On : 23 Aug 2019 15:59
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Quant Time: Aug 26 06:58:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 26 06:54:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	545972	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	565654	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	290303	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	233004	48.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.34%
7) Chloroethane-d5	1.67	69	191180	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.68%
11) 1,1-Dichloroethene-d2	2.26	63	426892	49.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.86%
21) 2-Butanone-d5	4.14	46	352135	109.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.29%
24) Chloroform-d	4.62	84	403642	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.58%
26) 1,2-Dichloroethane-d4	5.28	65	266502	52.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.82%
32) Benzene-d6	5.32	84	809632	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
36) 1,2-Dichloropropane-d6	6.31	67	261772	50.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.42%
41) Toluene-d8	7.54	98	734203	50.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.12%
43) trans-1,3-Dichloropropene-	7.83	79	121646	50.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.10%
47) 2-Hexanone-d5	8.29	63	226116	104.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.28%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	377769	50.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.76%
64) 1,2-Dichlorobenzene-d4	11.84	152	282090	47.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.24%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	258524	51.149	ug/L	100
3) Chloromethane	1.32	50	262232	53.995	ug/L	100
5) Vinyl chloride	1.39	62	292090	51.202	ug/L	100
6) Bromomethane	1.61	94	116515	52.716	ug/L	96
8) Chloroethane	1.68	64	178772	52.239	ug/L	99
9) Trichlorofluoromethane	1.87	101	342862	51.250	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	203392	53.172	ug/L	99
12) 1,1-Dichloroethene	2.27	96	187638	50.957	ug/L	94
13) Acetone	2.30	43	323288	109.859	ug/L	100
14) Carbon disulfide	2.46	76	589790	49.802	ug/L	100
15) Methyl Acetate	2.59	43	278003	54.247	ug/L	98
16) Methylene chloride	2.68	84	227756	51.337	ug/L	100
17) trans-1,2-Dichloroethene	2.96	96	199511	50.445	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	626273	52.313	ug/L	100
19) 1,1-Dichloroethane	3.42	63	411905	52.260	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	224080	51.472	ug/L	99
22) 2-Butanone	4.23	43	410835	111.120	ug/L	100

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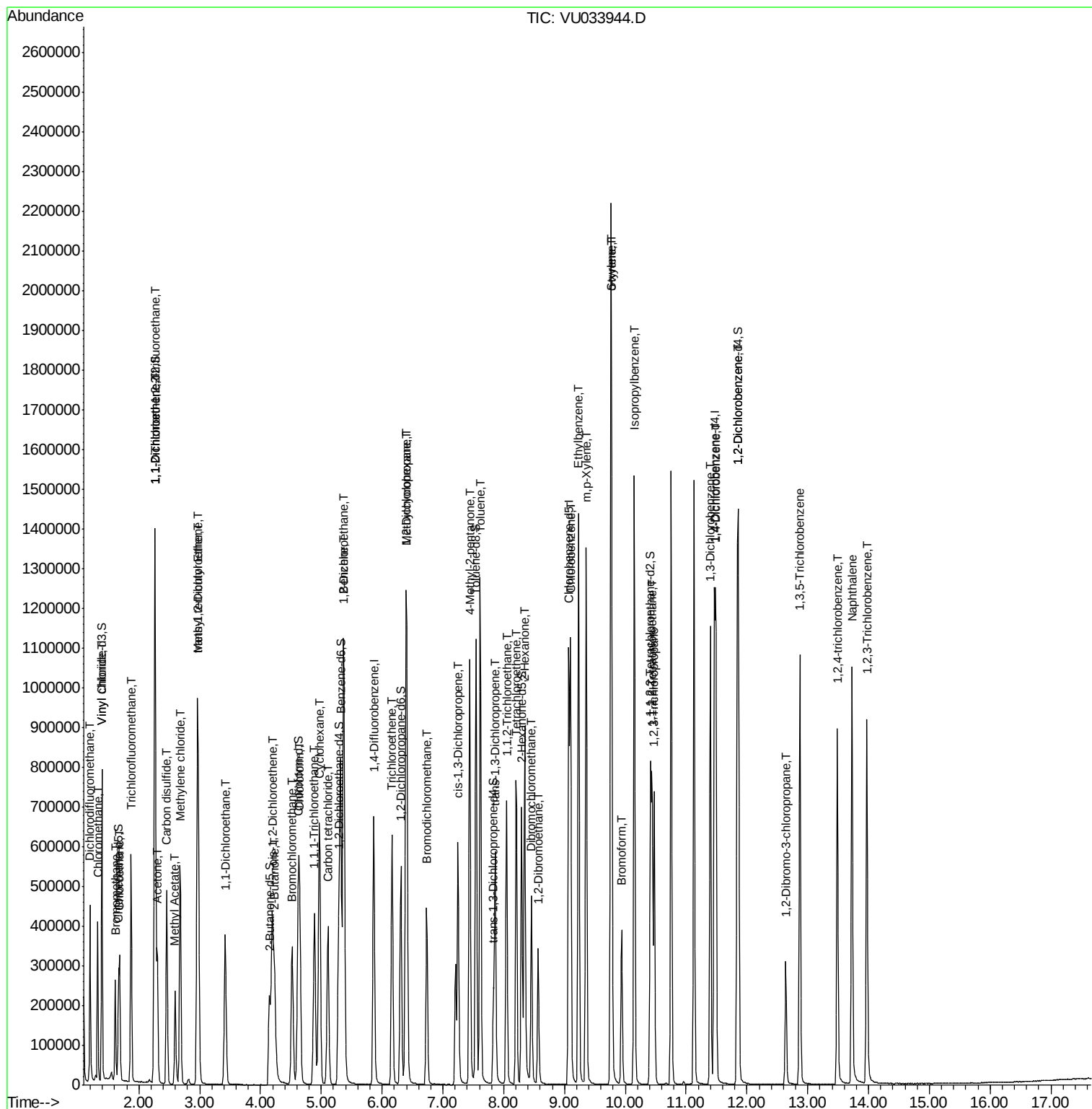
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	114450	51.119	ug/L	95
25) Chloroform	4.64	83	406686	52.098	ug/L	98
27) 1,2-Dichloroethane	5.38	62	320578	52.336	ug/L	100
29) Cyclohexane	4.97	56	340494	52.171	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	330450	50.726	ug/L	100
31) Carbon tetrachloride	5.11	117	287838	49.780	ug/L	100
33) Benzene	5.36	78	875716	51.199	ug/L	100
34) Trichloroethene	6.16	95	215740	48.612	ug/L	99
35) Methylcyclohexane	6.39	83	346648	51.810	ug/L	98
37) 1,2-Dichloropropane	6.41	63	241391	51.586	ug/L	100
38) Bromodichloromethane	6.74	83	301437	49.852	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	360140	51.781	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	708117	105.658	ug/L	99
42) Toluene	7.62	91	912168	51.537	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	322679	51.484	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	215747	50.251	ug/L	99
46) Tetrachloroethene	8.21	164	167853	48.667	ug/L	98
48) 2-Hexanone	8.34	43	570334	109.593	ug/L	98
49) Dibromochloromethane	8.46	129	233554	49.038	ug/L	99
50) 1,2-Dibromoethane	8.57	107	228620	49.934	ug/L	98
51) Chlorobenzene	9.10	112	576550	49.254	ug/L	98
52) Ethylbenzene	9.23	91	987347	51.646	ug/L	99
53) m,p-Xylene	9.36	106	371391	52.718	ug/L	98
54) o-xylene	9.76	106	359214	51.728	ug/L	99
55) Styrene	9.77	104	637760	53.937	ug/L	98
56) Isopropylbenzene	10.15	105	947637	52.515	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	380155	51.087	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	303636	50.773	ug/L	100
61) Bromoform	9.94	173	171977	46.962	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	453192	49.697	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	456481	48.310	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	448335	49.280	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	83481	50.033	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	344371	49.130	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	277108	48.215	ug/L	100
69) Naphthalene	13.73	128	841935	49.064	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	300592	49.490	ug/L	99

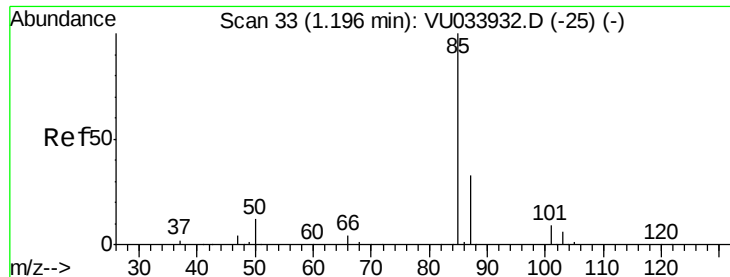
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.149 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

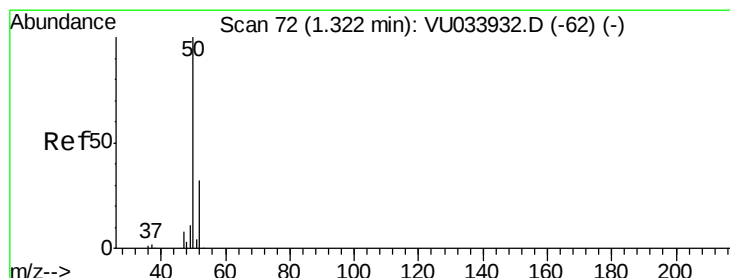
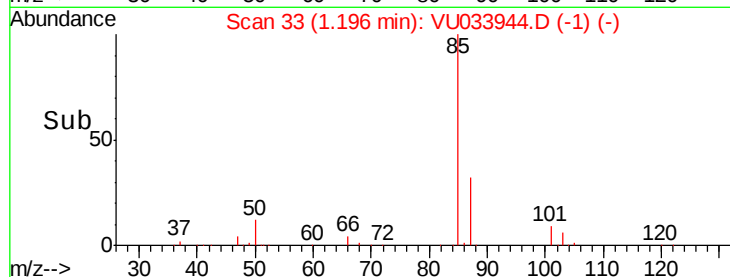
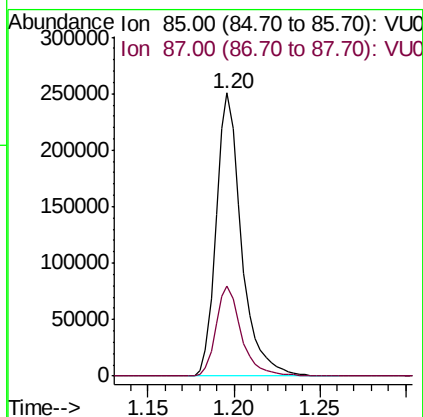
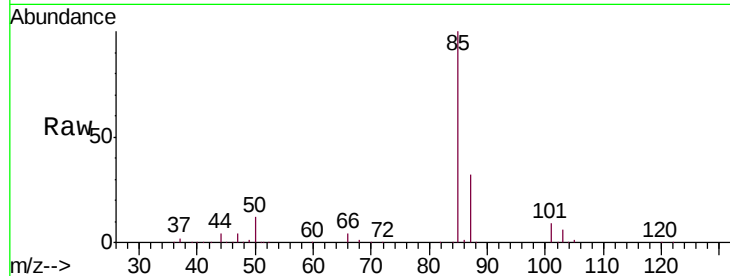
VSTD05053

Tgt Ion: 85 Resp: 258524

Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



#3

Chloromethane

Concen: 53.995 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033944.D

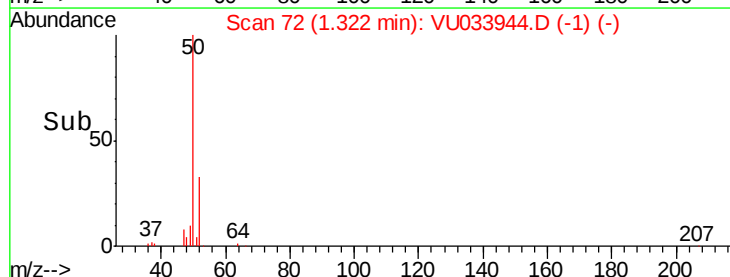
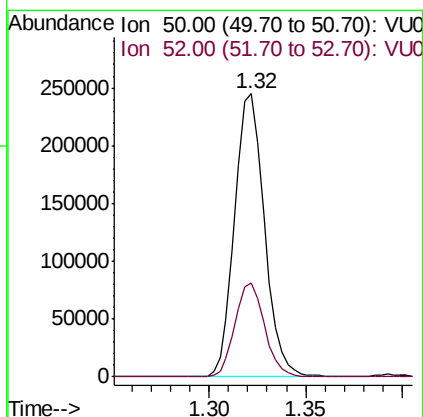
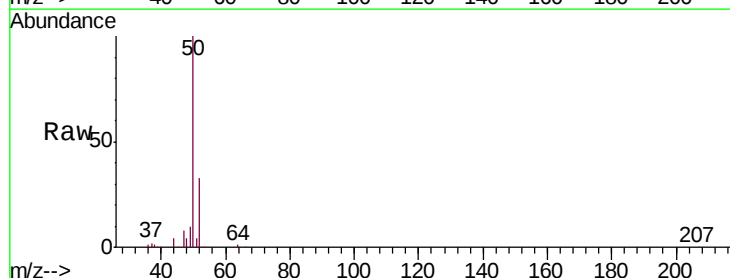
Acq: 23 Aug 2019 15:59

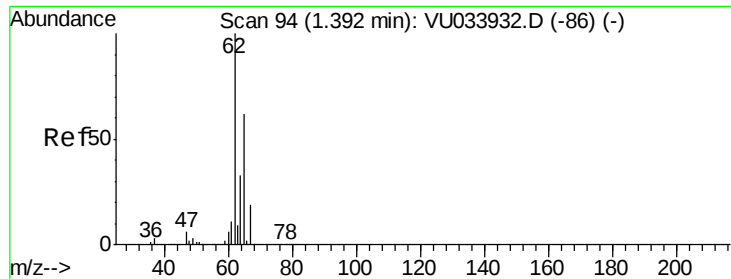
Tgt Ion: 50 Resp: 262232

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.8





#5

Vinyl chloride

Concen: 51.202 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

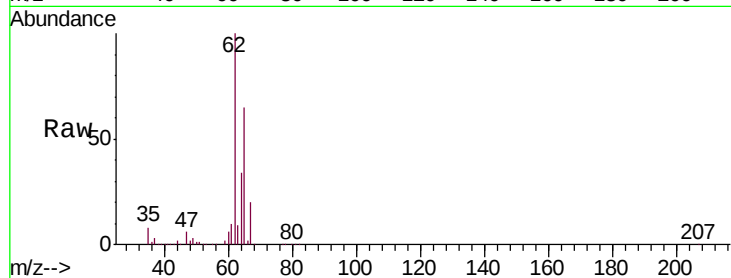
VSTD05053

Tgt Ion: 62 Resp: 292090

Ion Ratio Lower Upper

62 100

64 33.7 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU033932.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033932.D (-86) (-)

1.39

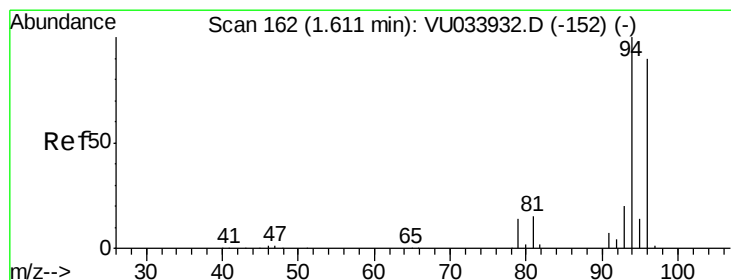
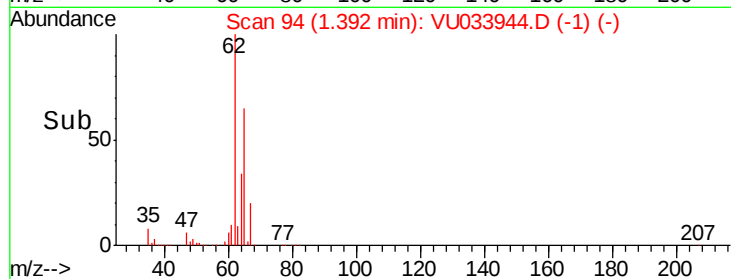
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 52.716 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU033944.D

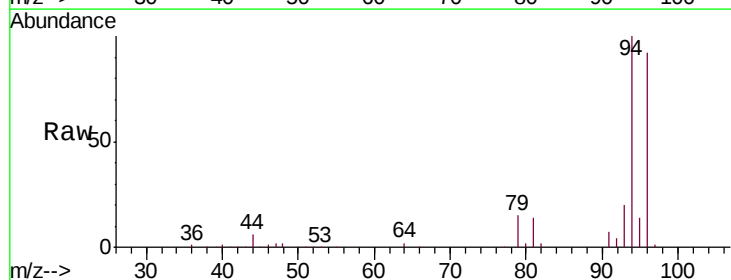
Acq: 23 Aug 2019 15:59

Tgt Ion: 94 Resp: 116515

Ion Ratio Lower Upper

94 100

96 92.0 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU033932.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU033932.D (-152) (-)

1.61

100000

80000

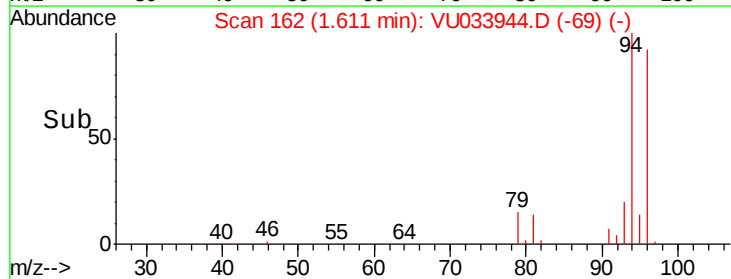
60000

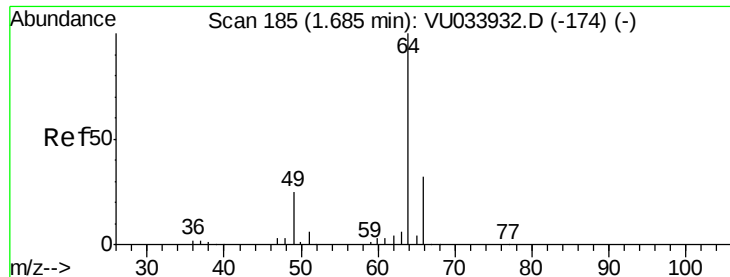
40000

20000

0

Time-->





#8

Chloroethane

Concen: 52.239 ug/L

RT: 1.68 min Scan# 185

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

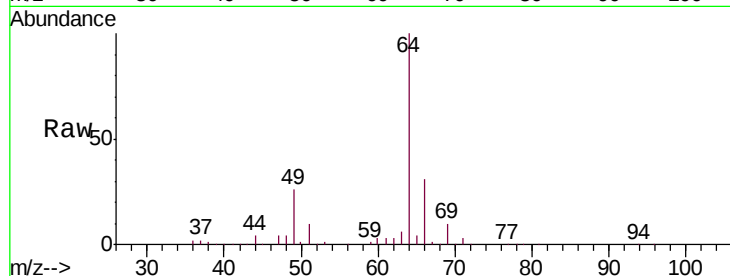
VSTD05053

Tgt Ion: 64 Resp: 178772

Ion Ratio Lower Upper

64 100

66 31.2 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VU033932.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU033932.D (-174) (-)

1.68

150000

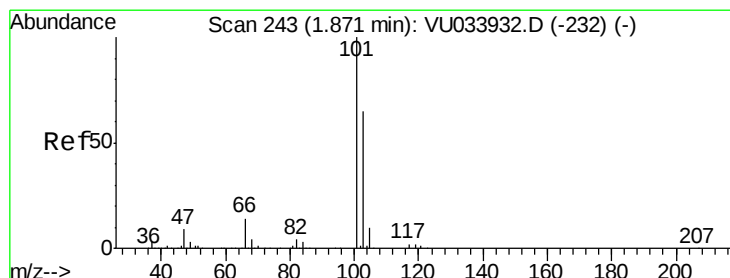
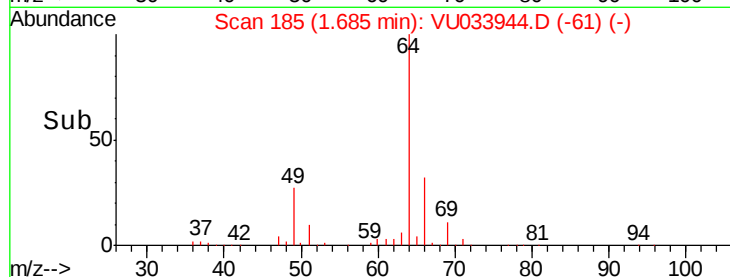
100000

50000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 51.250 ug/L

RT: 1.87 min Scan# 243

Delta R.T. 0.00 min

Lab File: VU033944.D

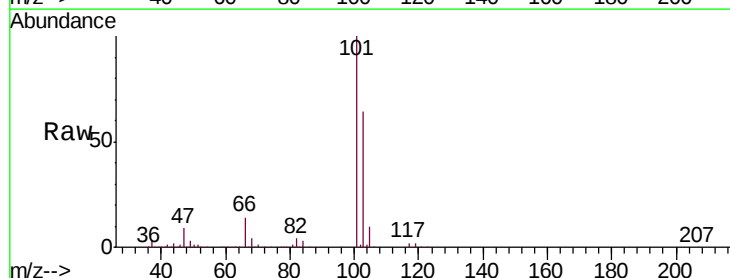
Acq: 23 Aug 2019 15:59

Tgt Ion: 101 Resp: 342862

Ion Ratio Lower Upper

101 100

103 64.8 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU033932.D (-232) (-)

Ion 103.00 (102.70 to 103.70): VU033932.D (-232) (-)

1.87

300000

250000

200000

150000

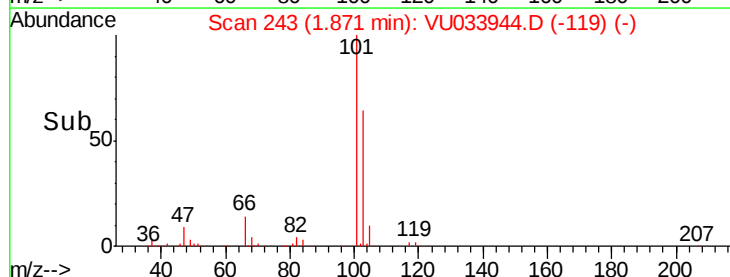
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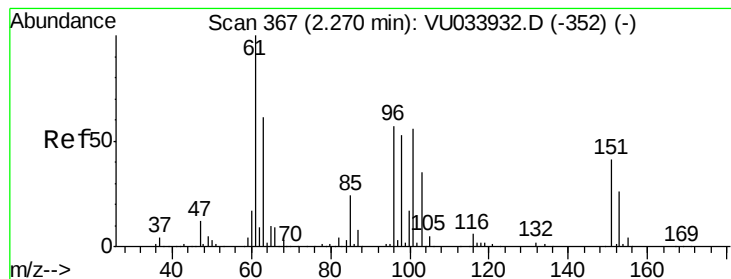
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 53.172 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033944.D

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MSVOA_U

ClientSampleId :

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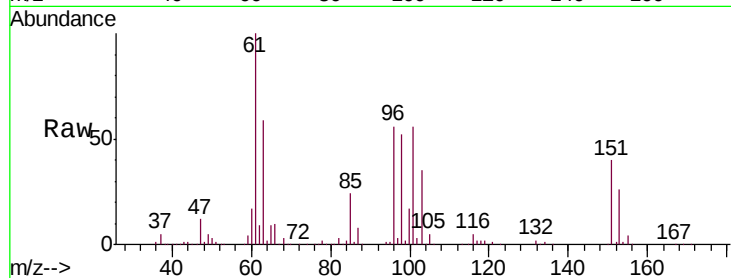
Tgt Ion: 101 Resp: 203392

Ion Ratio Lower Upper

101 100

85 42.9 33.7 50.5

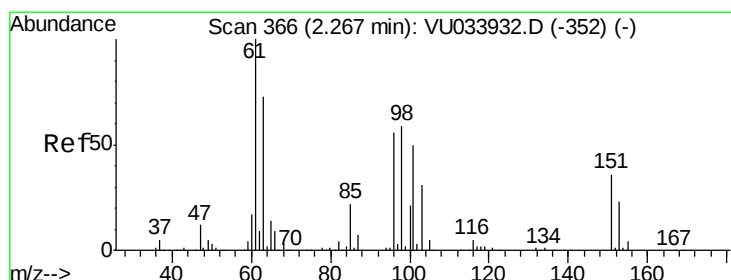
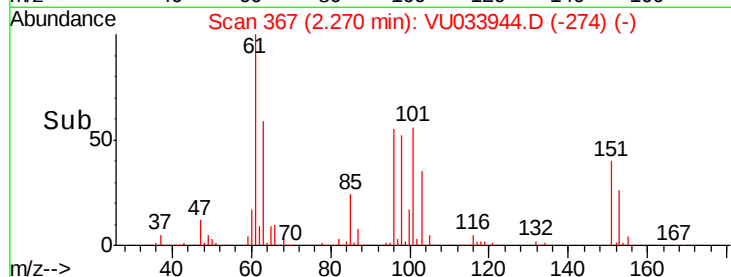
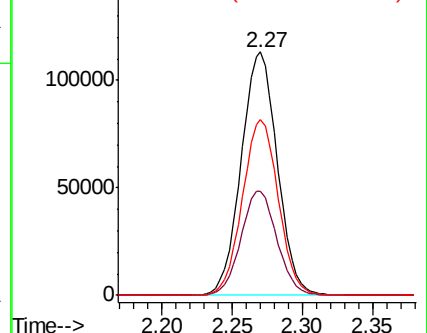
151 72.0 57.8 86.6



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: 50.957 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

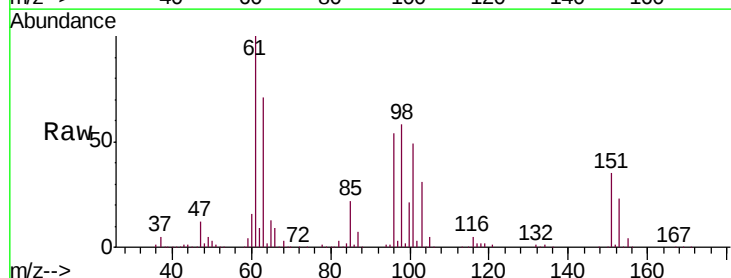
Tgt Ion: 96 Resp: 187638

Ion Ratio Lower Upper

96 100

61 185.3 124.7 231.5

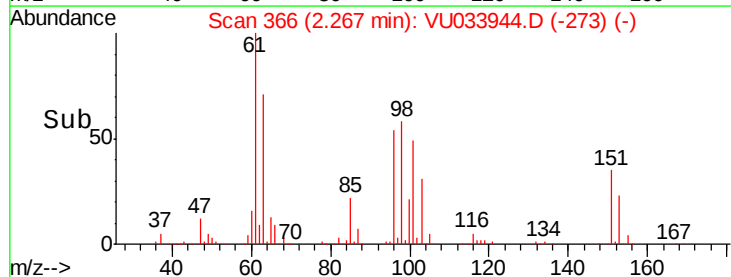
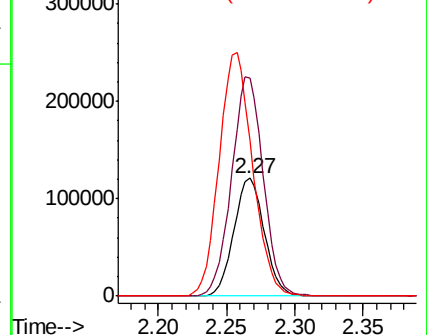
63 131.4 97.9 181.9

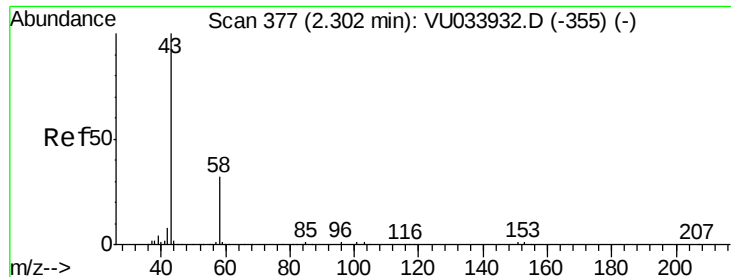


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 109.859 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

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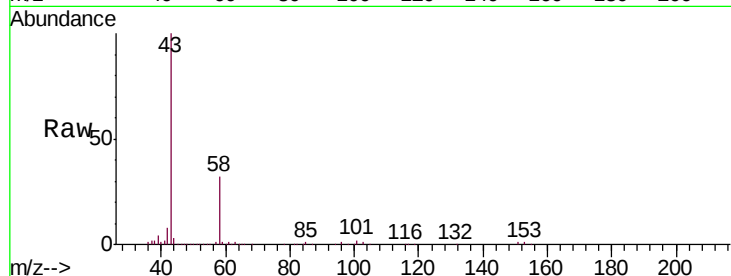
VSTD05053

Tgt Ion: 43 Resp: 323288

Ion Ratio Lower Upper

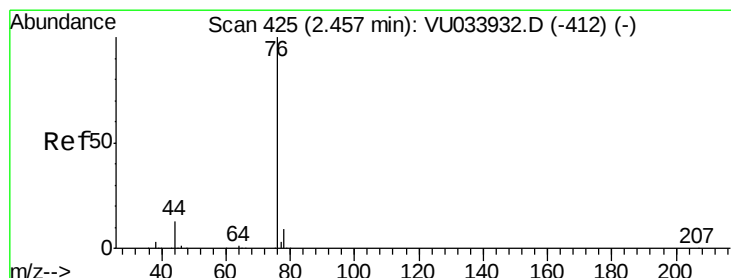
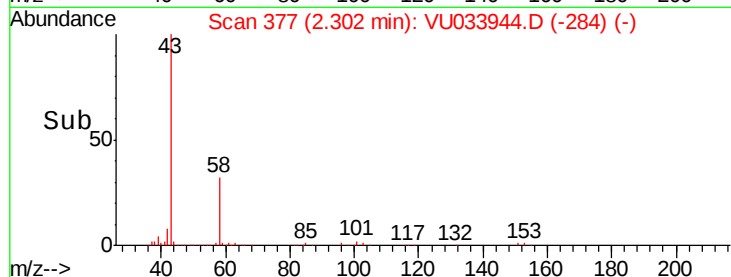
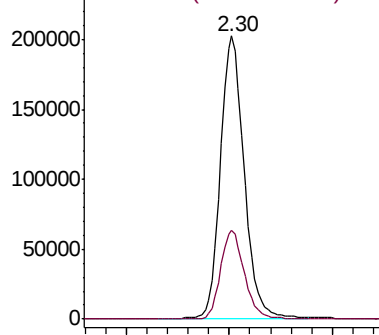
43 100

58 31.0 0.0 62.4



Abundance Ion 43.00 (42.70 to 43.70): VU033932.D (-355) (-)

Ion 58.00 (57.70 to 58.70): VU033932.D (-355) (-)



#14

Carbon disulfide

Concen: 49.802 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

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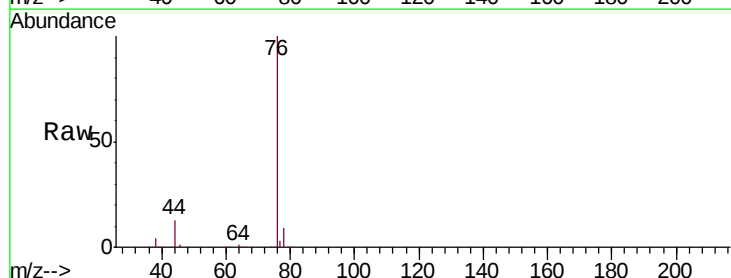
Acq: 23 Aug 2019 15:59

Tgt Ion: 76 Resp: 589790

Ion Ratio Lower Upper

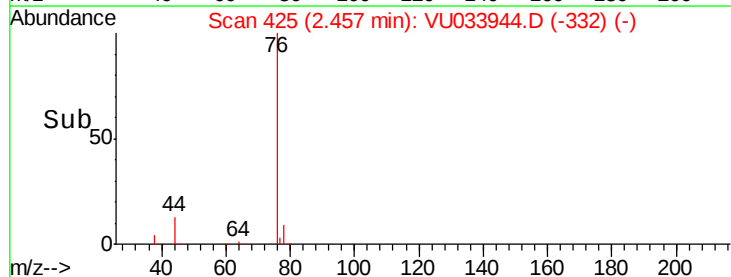
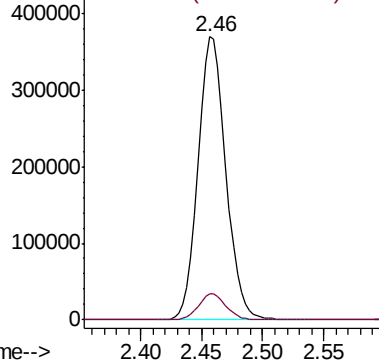
76 100

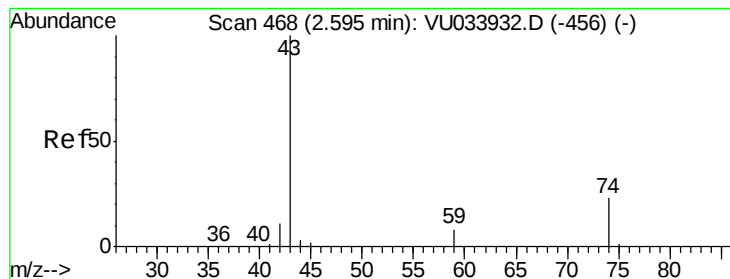
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033932.D (-412) (-)

Ion 78.00 (77.70 to 78.70): VU033932.D (-412) (-)





#15

Methyl Acetate

Concen: 54.247 ug/L

RT: 2.59 min Scan# 468

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

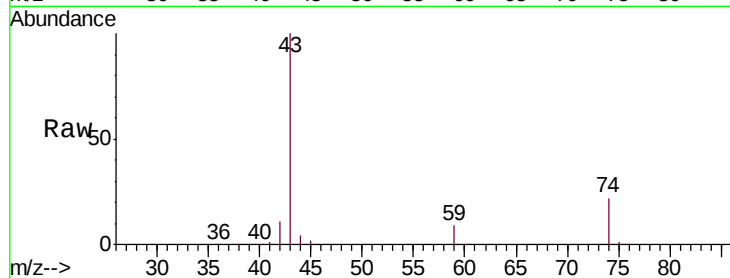
VSTD05053

Tgt Ion: 43 Resp: 278003

Ion Ratio Lower Upper

43 100

74 22.4 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VU033944.D (-375) (-)

Ion 74.00 (73.70 to 74.70): VU033944.D (-375) (-)

2.59

150000

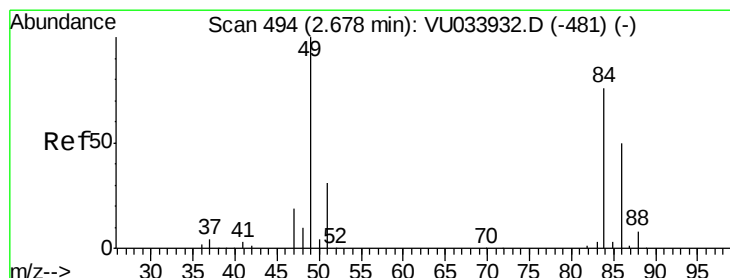
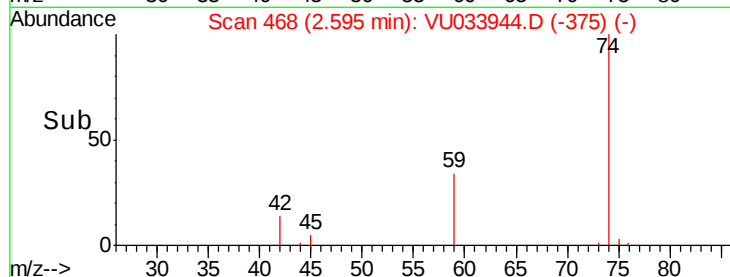
100000

50000

0

2.50 2.60 2.70

Time-->



#16

Methylene chloride

Concen: 51.337 ug/L

RT: 2.68 min Scan# 494

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

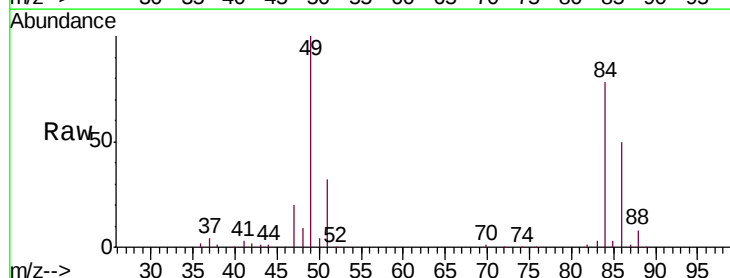
Tgt Ion: 84 Resp: 227756

Ion Ratio Lower Upper

84 100

86 64.3 45.3 84.1

49 128.7 90.2 167.6



Abundance Ion 84.00 (83.70 to 84.70): VU033944.D (-401) (-)

Ion 86.00 (85.70 to 86.70): VU033944.D (-401) (-)

Ion 49.00 (48.70 to 49.70): VU033944.D (-401) (-)

2.68

200000

150000

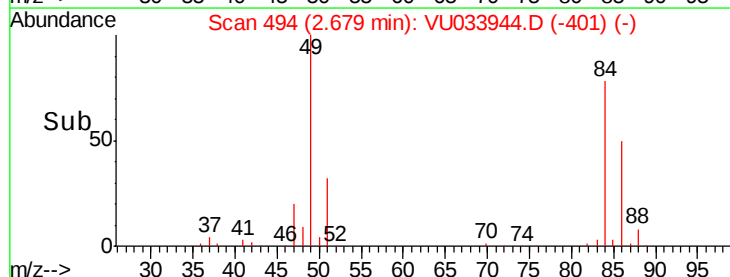
100000

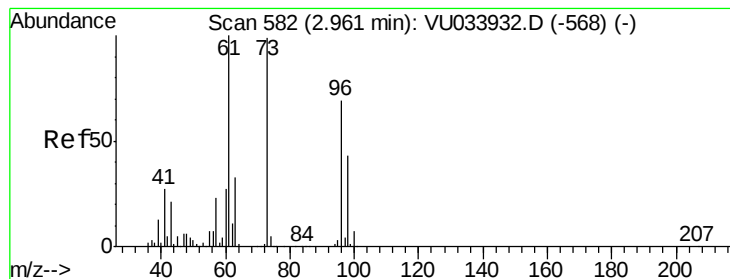
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 50.445 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

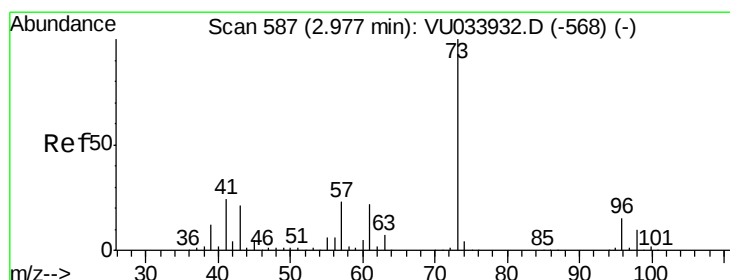
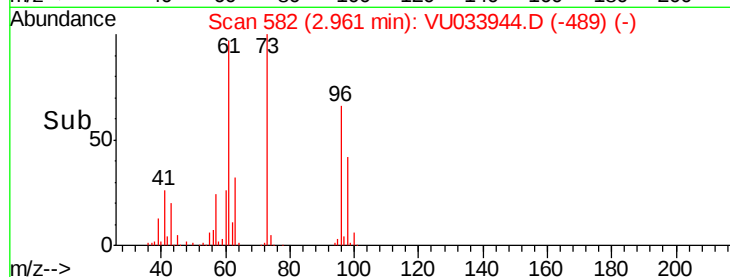
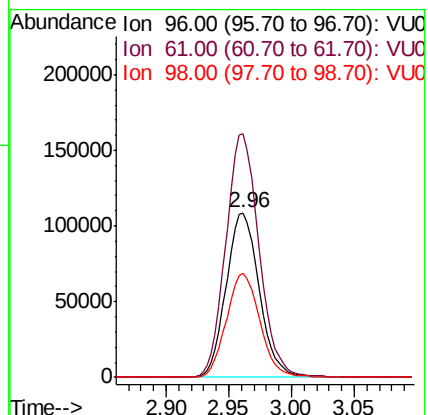
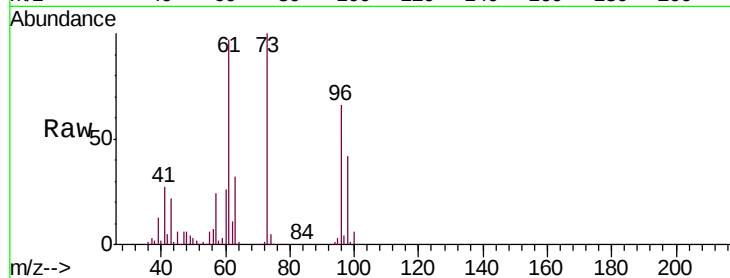
Tgt Ion: 96 Resp: 199511

Ion Ratio Lower Upper

96 100

61 147.8 101.2 187.8

98 63.3 44.0 81.6



#18

Methyl tert-butyl Ether

Concen: 52.313 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

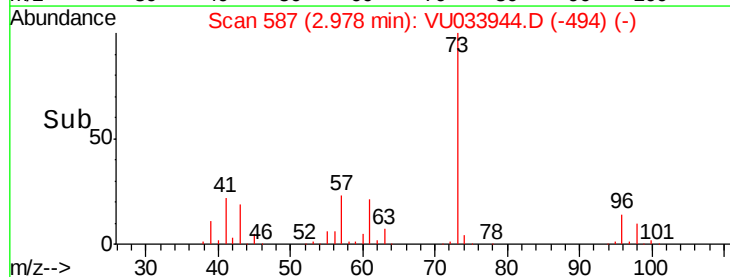
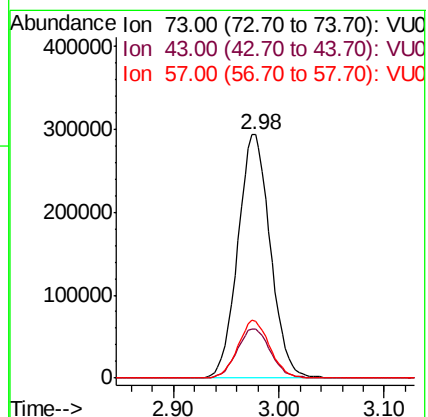
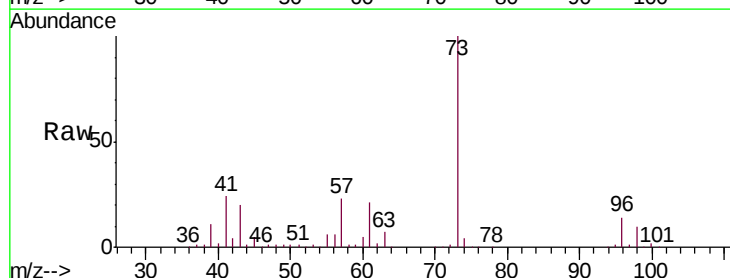
Tgt Ion: 73 Resp: 626273

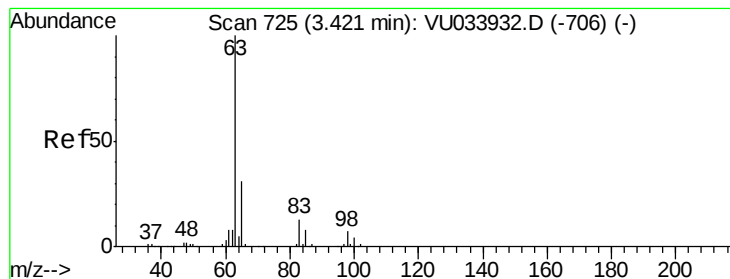
Ion Ratio Lower Upper

73 100

43 20.7 16.3 24.5

57 23.4 18.8 28.2





#19

1,1-Dichloroethane

Concen: 52.260 ug/L

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

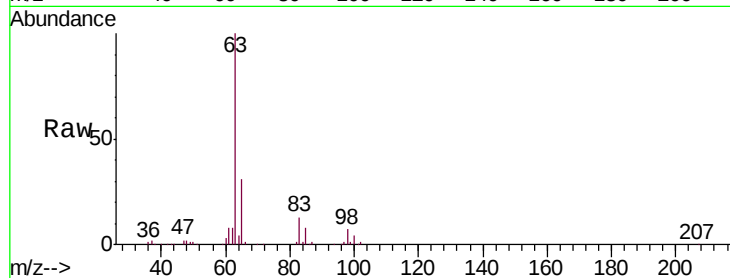
Tgt Ion: 63 Resp: 411905

Ion Ratio Lower Upper

63 100

65 31.4 22.4 41.6

83 12.6 9.4 17.6

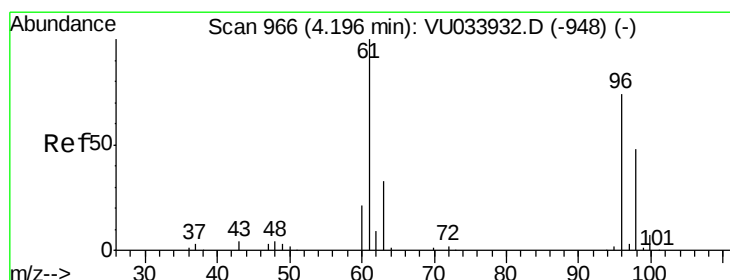
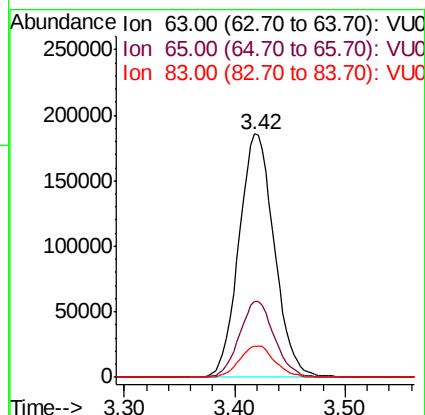
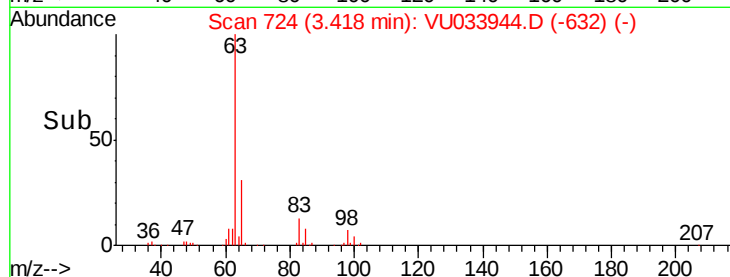


Abundance Ion 63.00 (62.70 to 63.70): VU033932.D (-706) (-)

Ion 65.00 (64.70 to 65.70): VU033932.D (-706) (-)

Ion 83.00 (82.70 to 83.70): VU033932.D (-706) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 51.472 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

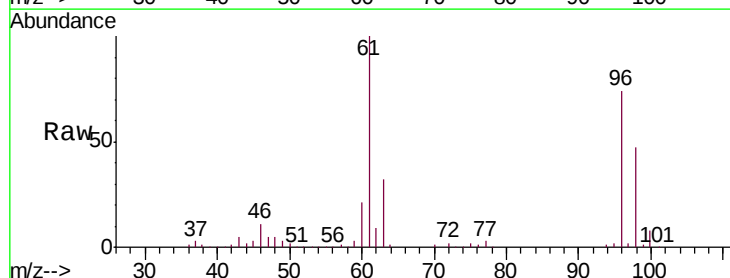
Tgt Ion: 96 Resp: 224080

Ion Ratio Lower Upper

96 100

61 135.6 95.5 177.4

68 0.0 0.0 0.0

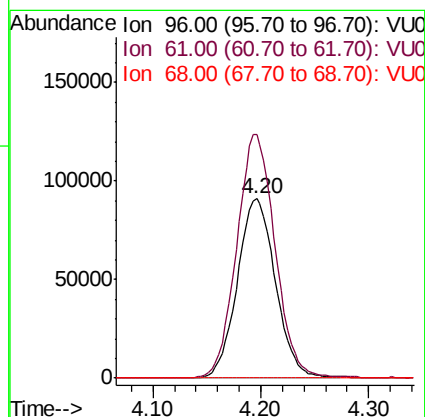
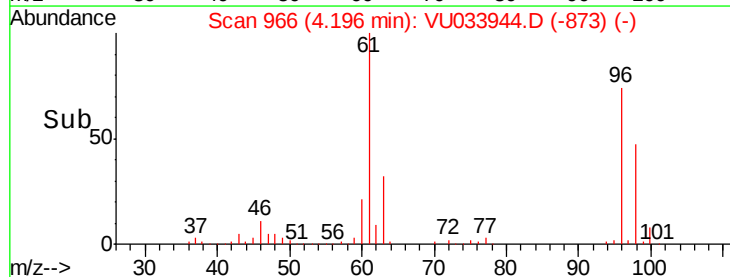


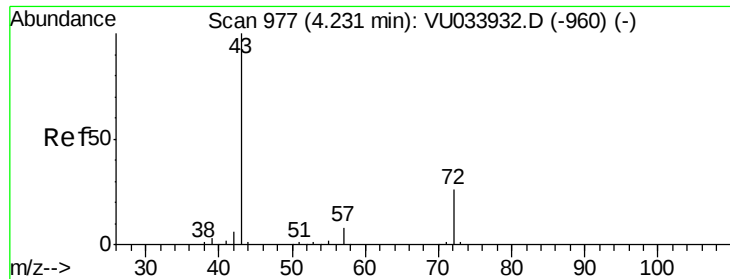
Abundance Ion 96.00 (95.70 to 96.70): VU033932.D (-948) (-)

Ion 61.00 (60.70 to 61.70): VU033932.D (-948) (-)

Ion 68.00 (67.70 to 68.70): VU033932.D (-948) (-)

Time-->





#22

2-Butanone

Concen: 111.120 ug/L

RT: 4.23 min Scan# 977

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampled :

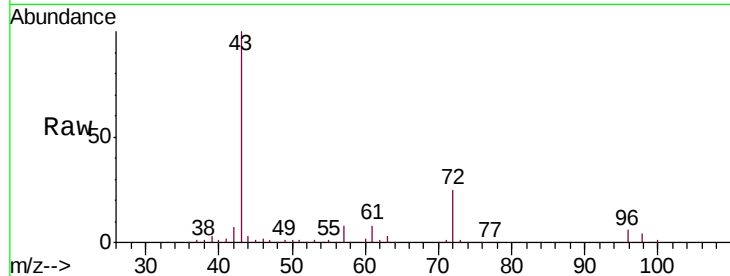
VSTD05053

Tgt Ion: 43 Resp: 410835

Ion Ratio Lower Upper

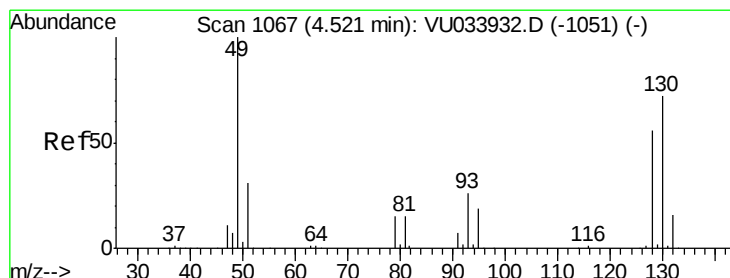
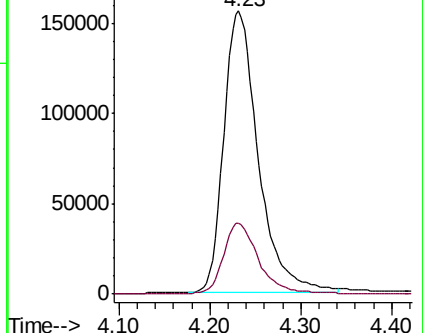
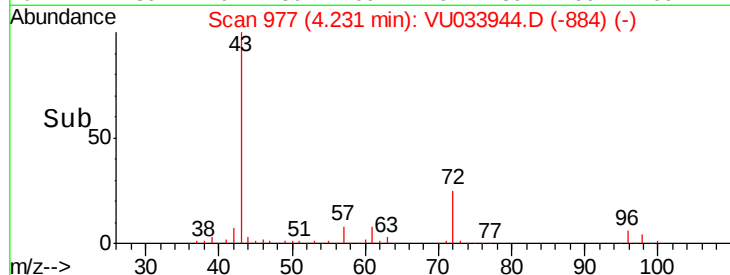
43 100

72 26.1 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU033944.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VU033944.D (-884) (-)



#23

Bromochloromethane

Concen: 51.119 ug/L

RT: 4.52 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Tgt Ion: 128 Resp: 114450

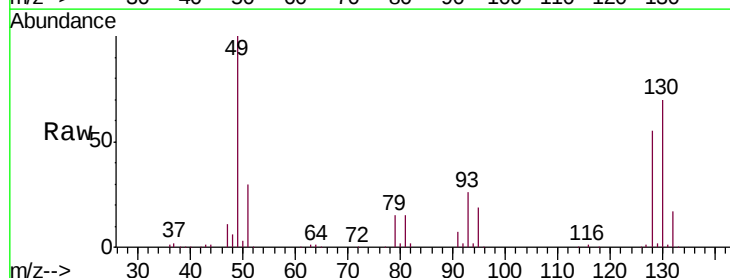
Ion Ratio Lower Upper

128 100

49 182.5 119.4 221.8

130 127.2 90.9 168.7

51 54.9 43.0 64.4

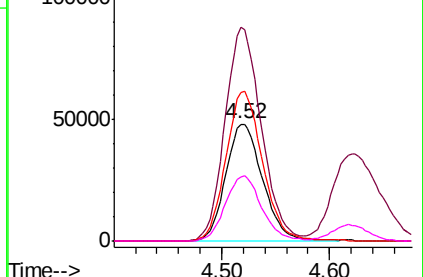
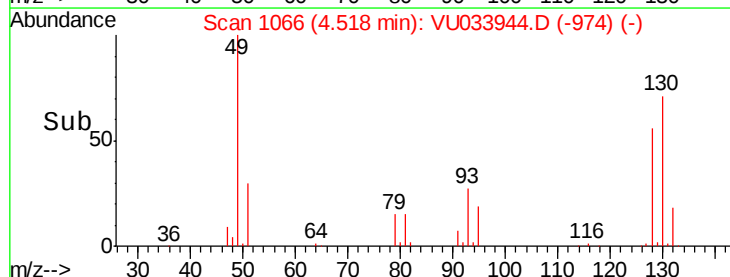


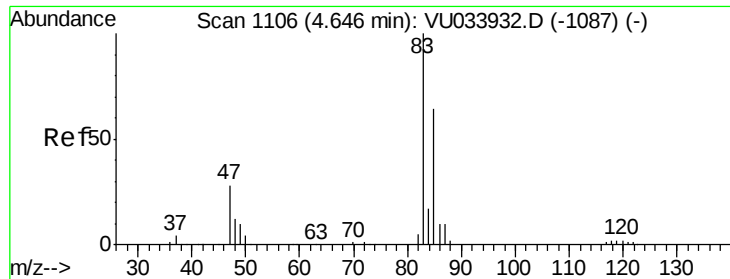
Abundance Ion 128.00 (127.70 to 128.70): VU033944.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VU033944.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VU033944.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VU033944.D (-974) (-)

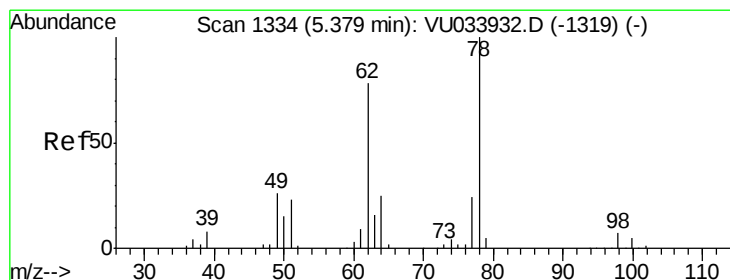
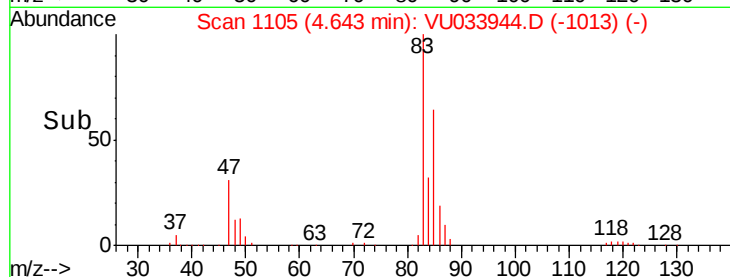
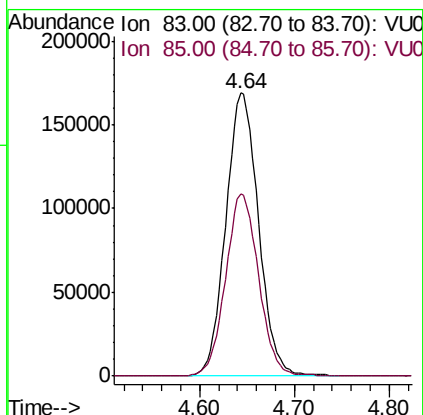
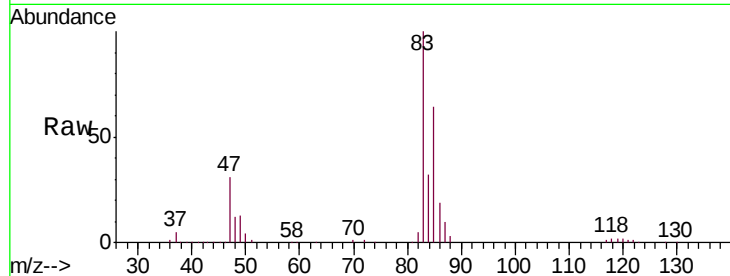




#25
Chloroform
Concen: 52.098 ug/L
RT: 4.64 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

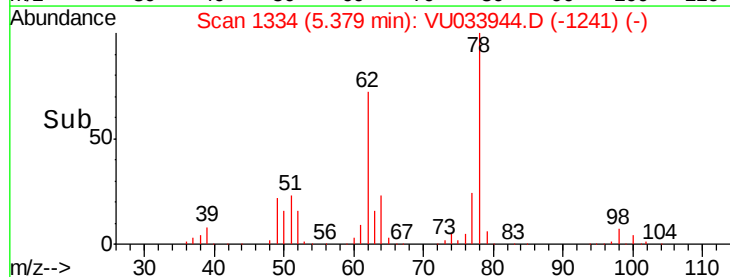
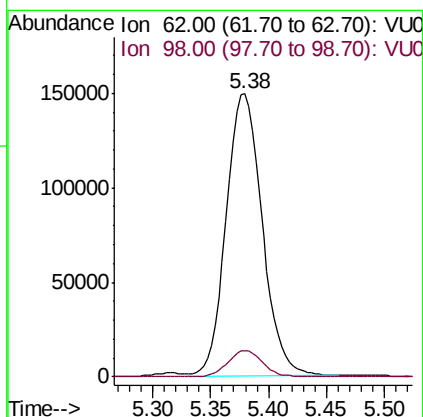
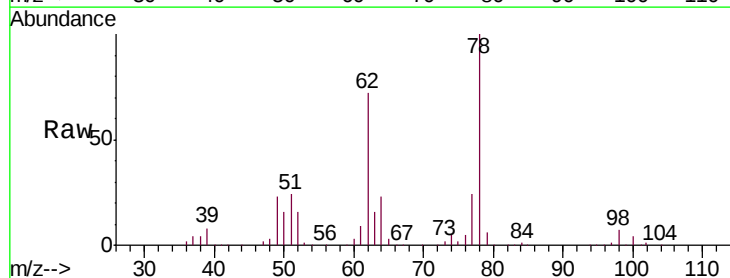
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

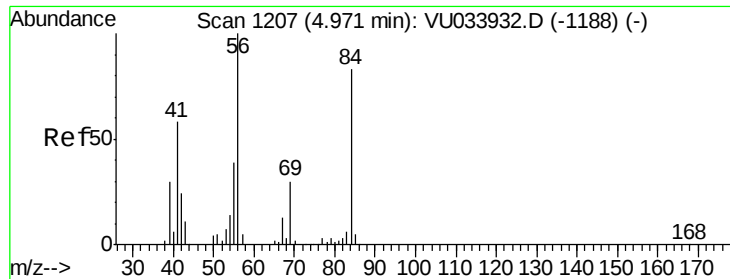
Tgt Ion: 83 Resp: 406686
Ion Ratio Lower Upper
83 100
85 64.3 46.2 85.8



#27
1,2-Dichloroethane
Concen: 52.336 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

Tgt Ion: 62 Resp: 320578
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

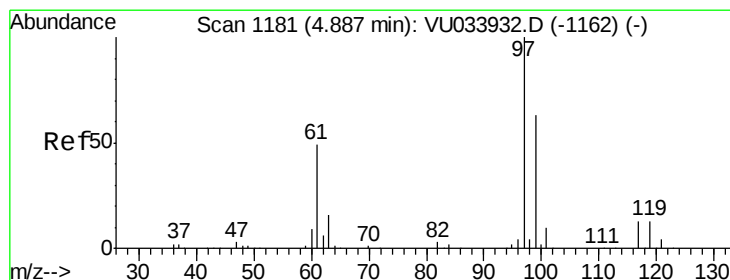
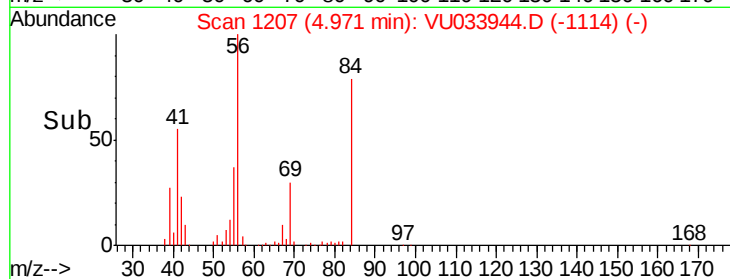
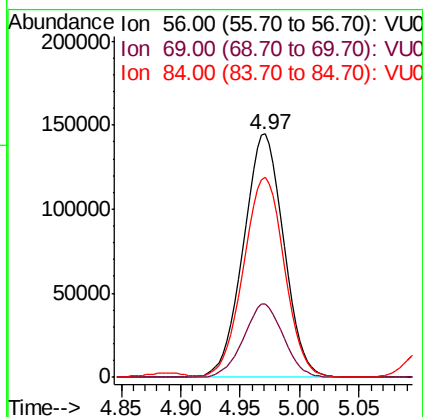
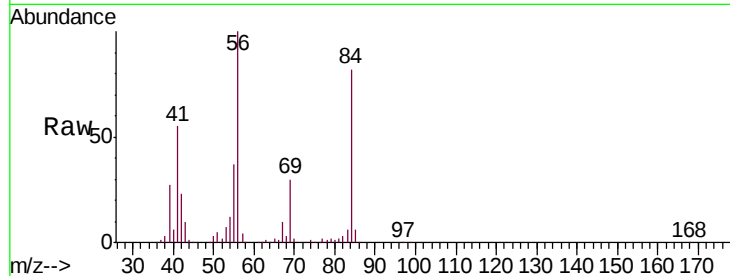




#29
Cyclohexane
Concen: 52.171 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

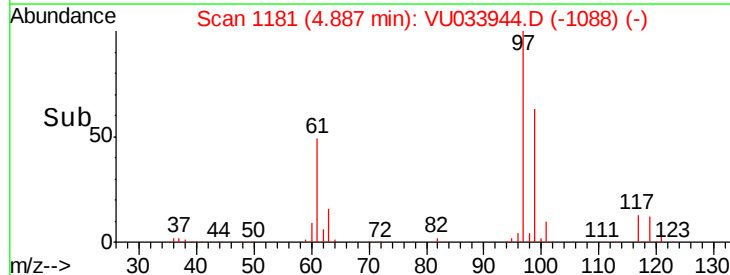
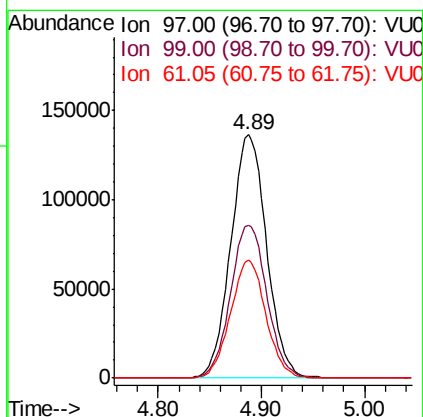
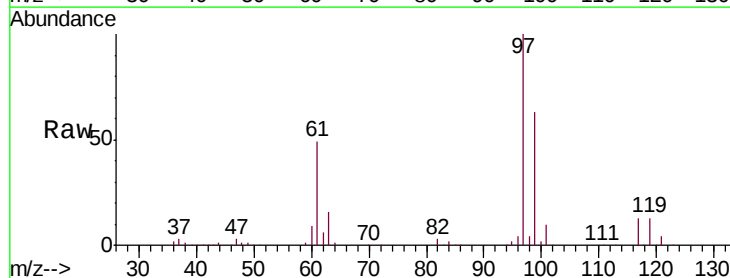
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

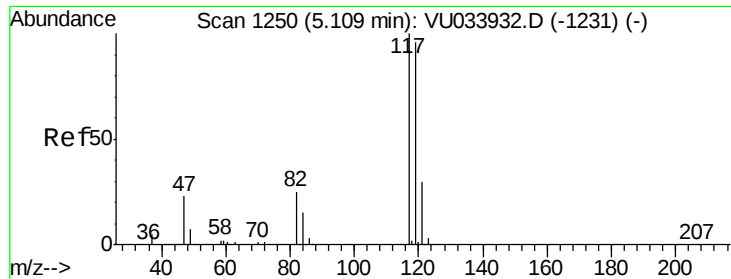
Tgt Ion: 56 Resp: 340494
Ion Ratio Lower Upper
56 100
69 29.8 24.1 36.1
84 83.1 68.6 103.0



#30
1,1,1-Trichloroethane
Concen: 50.726 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

Tgt Ion: 97 Resp: 330450
Ion Ratio Lower Upper
97 100
99 63.6 51.1 76.7
61 48.0 38.6 57.8

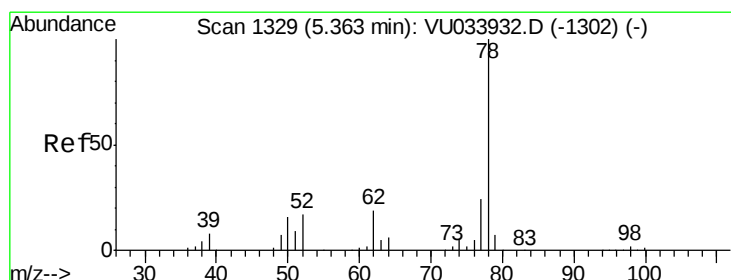
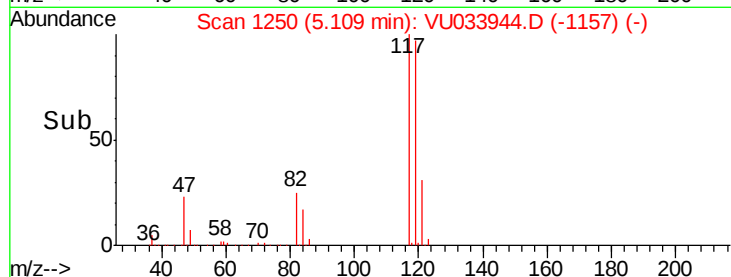
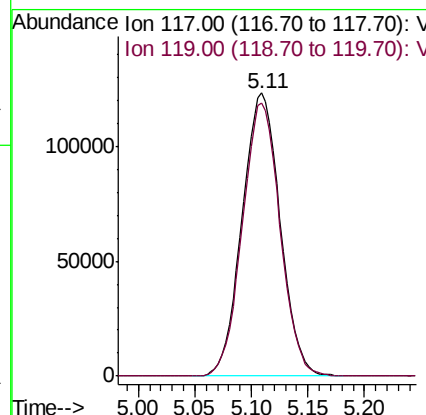
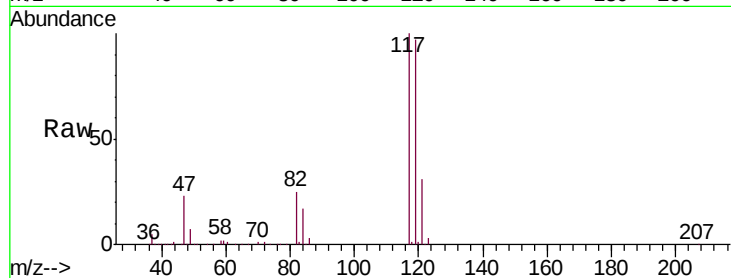




#31
Carbon tetrachloride
Concen: 49.780 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

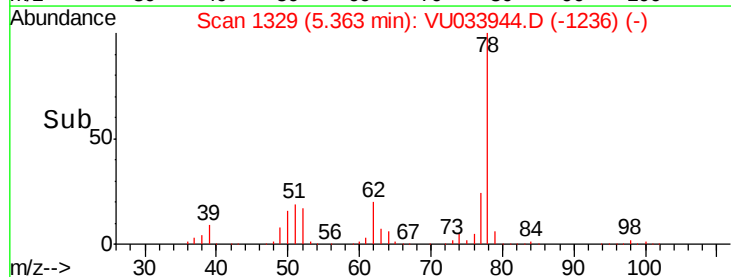
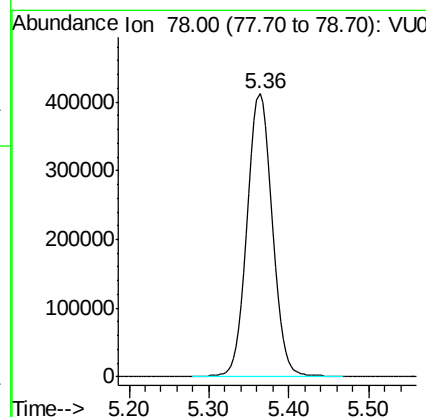
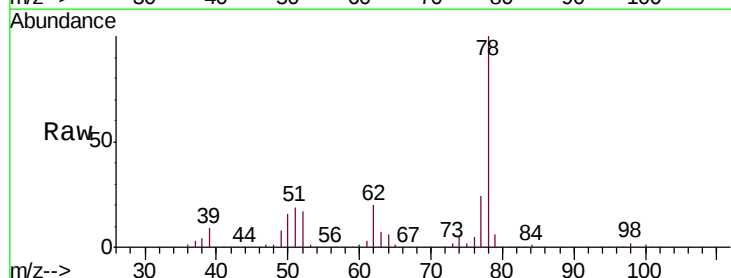
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

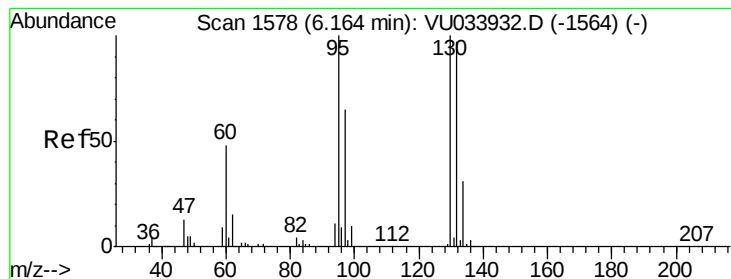
Tgt Ion:117 Resp: 287838
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5



#33
Benzene
Concen: 51.199 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

Tgt Ion: 78 Resp: 875716





#34

Trichloroethene

Concen: 48.612 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 95 Resp: 215740

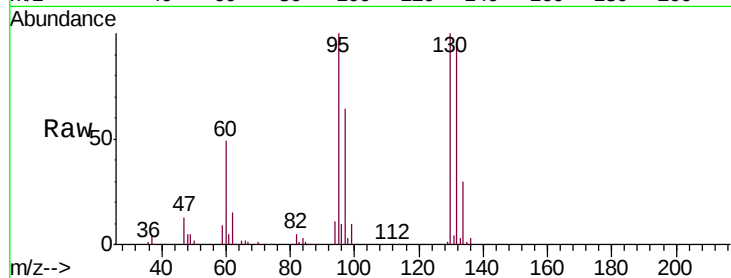
Ion Ratio Lower Upper

95 100

97 63.6 44.7 82.9

132 96.4 65.7 122.1

130 99.9 70.0 130.0

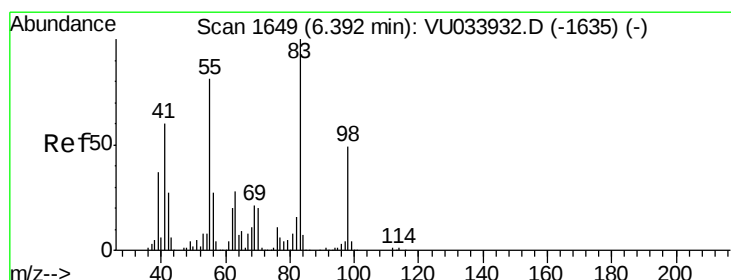
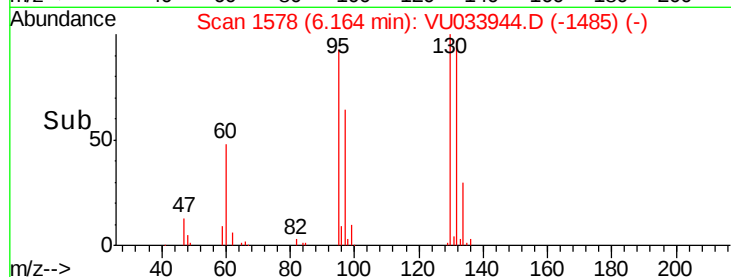
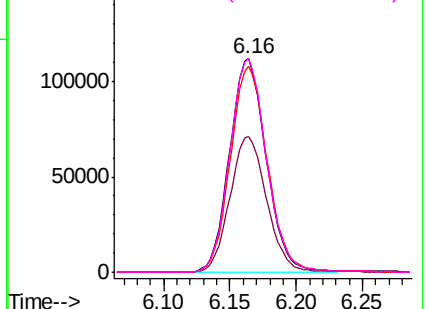


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.810 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

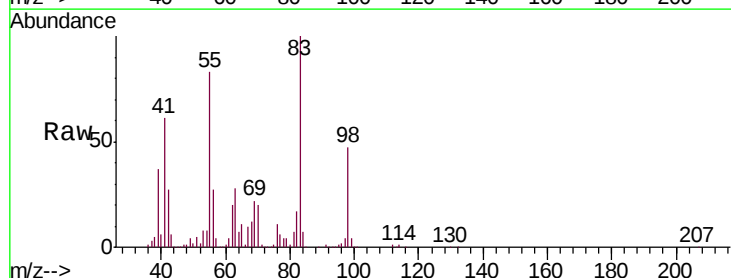
Tgt Ion: 83 Resp: 346648

Ion Ratio Lower Upper

83 100

55 82.8 64.4 96.6

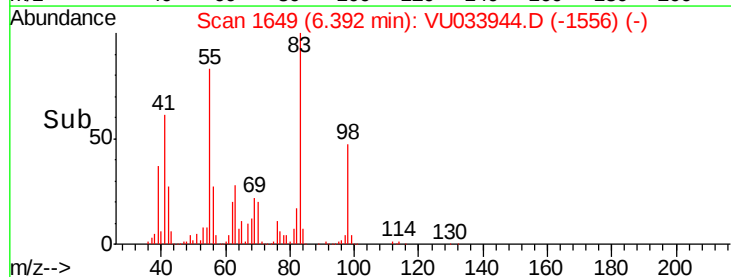
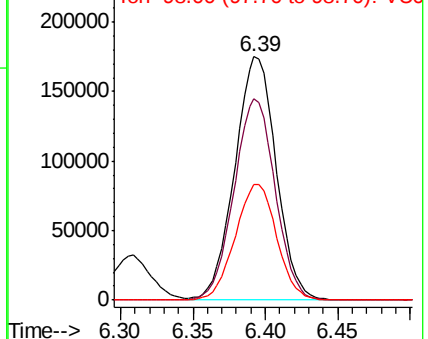
98 47.8 38.7 58.1

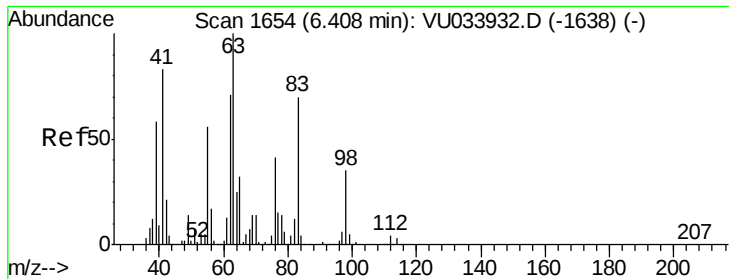


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

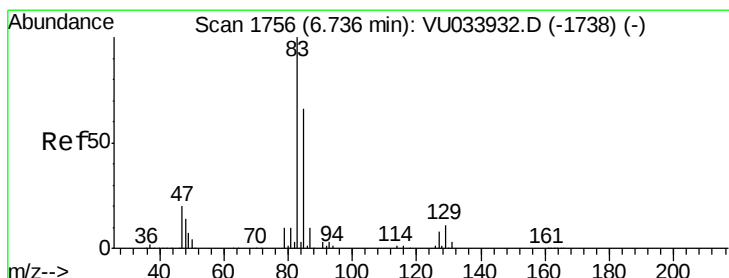
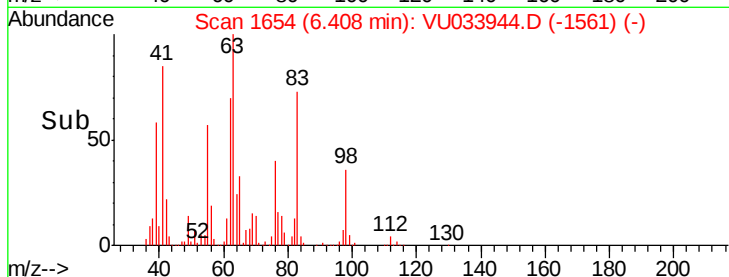
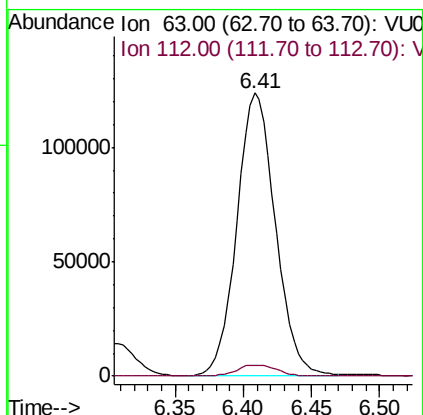
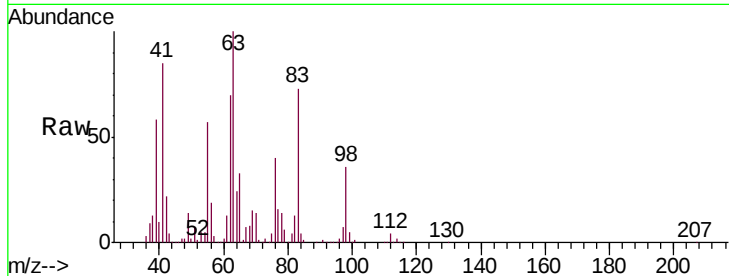




#37
 1,2-Dichloropropane
 Concen: 51.586 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU033944.D
 Acq: 23 Aug 2019 15:59

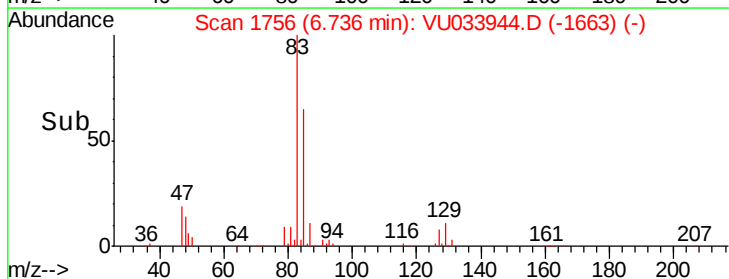
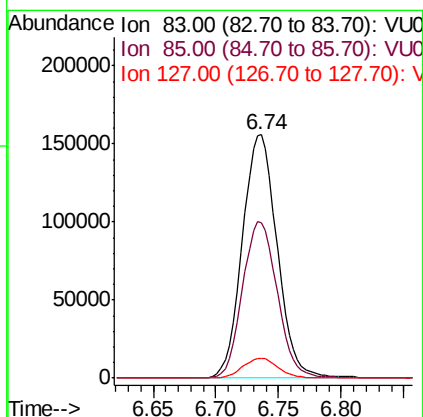
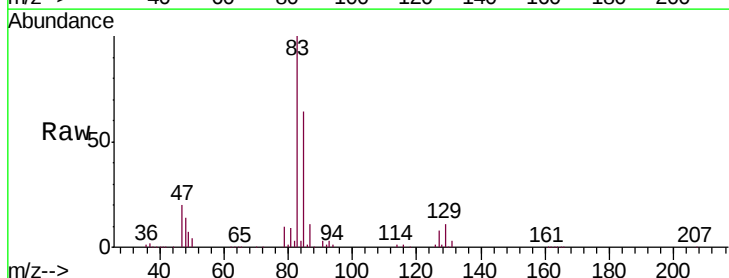
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

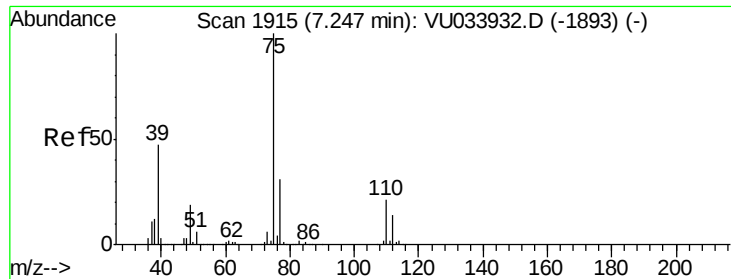
Tgt Ion: 63 Resp: 241391
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 49.852 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033944.D
 Acq: 23 Aug 2019 15:59

Tgt Ion: 83 Resp: 301437
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.0 81.8
 127 8.1 6.8 10.2

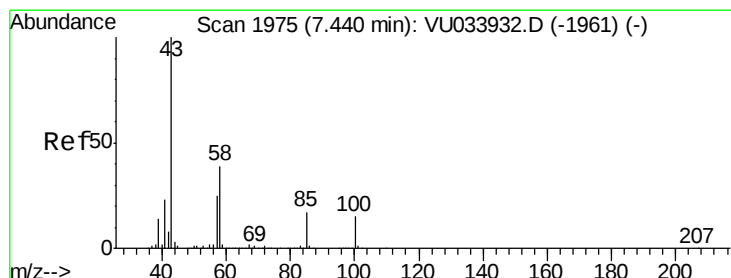
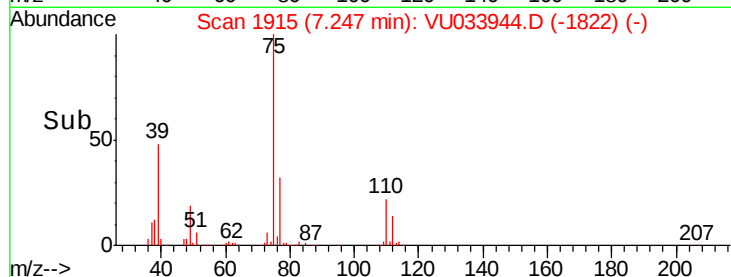
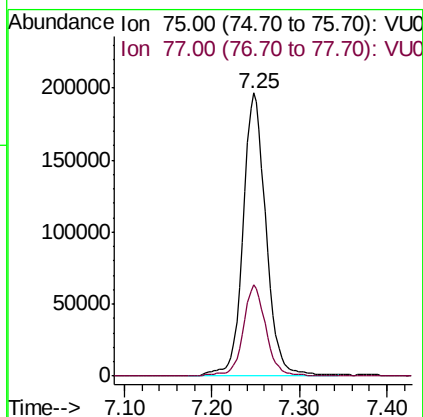
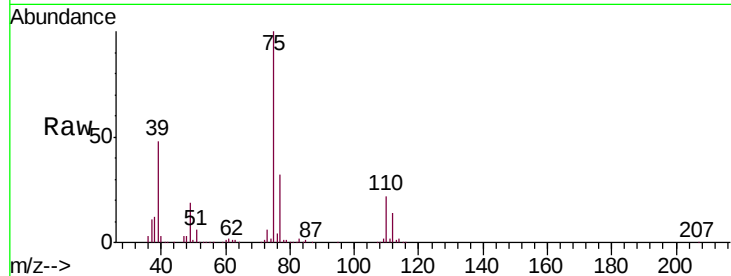




#39
 cis-1,3-Dichloropropene
 Concen: 51.781 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU033944.D
 Acq: 23 Aug 2019 15:59

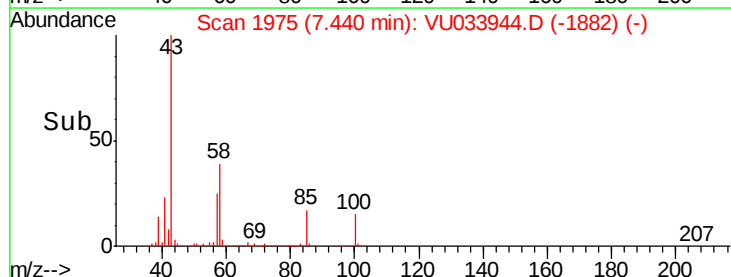
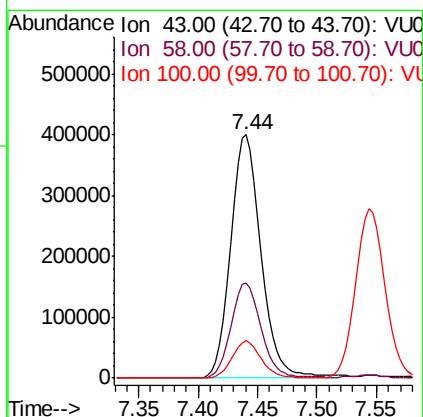
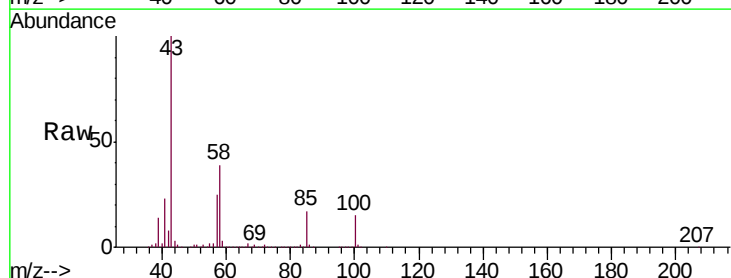
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

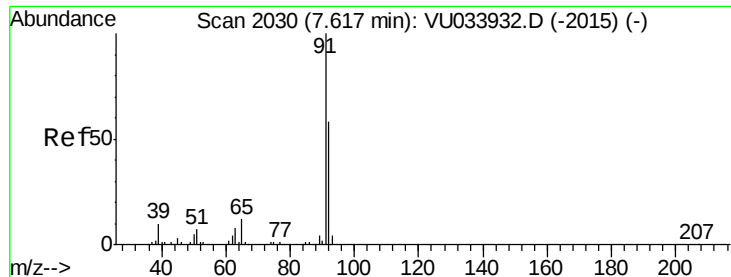
Tgt Ion: 75 Resp: 360140
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 105.658 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033944.D
 Acq: 23 Aug 2019 15:59

Tgt Ion: 43 Resp: 708117
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.6 47.4
 100 14.6 12.0 18.0





#42

Toluene

Concen: 51.537 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

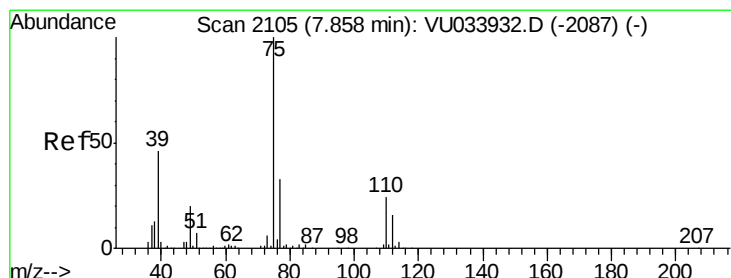
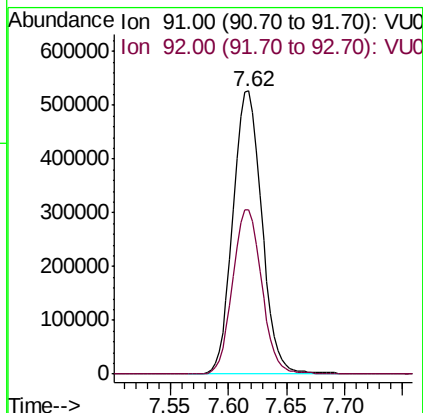
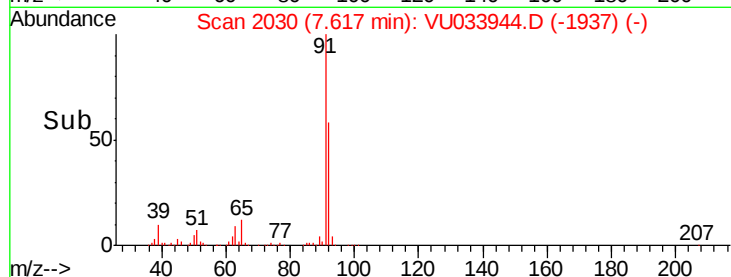
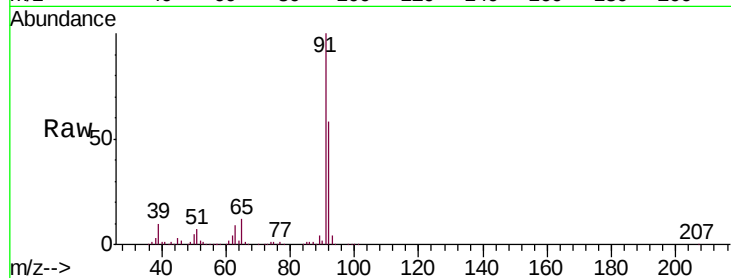
VSTD05053

Tgt Ion: 91 Resp: 912168

Ion Ratio Lower Upper

91 100

92 58.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 51.484 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU033944.D

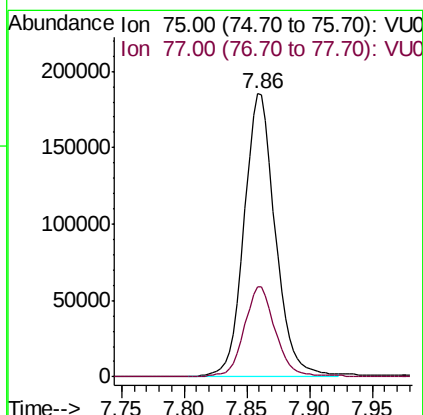
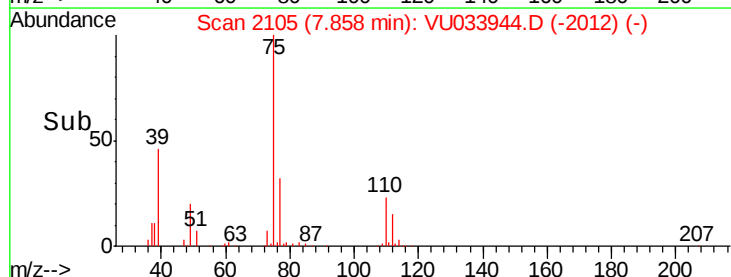
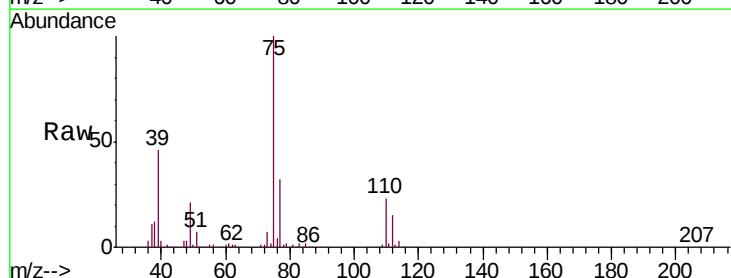
Acq: 23 Aug 2019 15:59

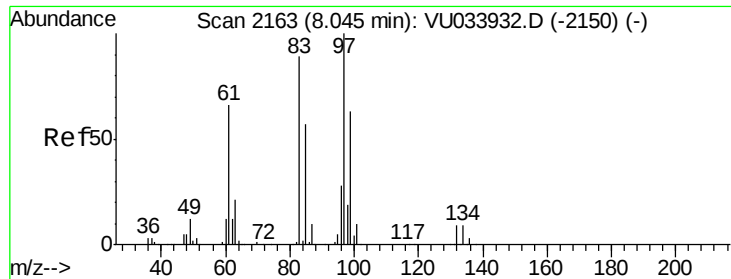
Tgt Ion: 75 Resp: 322679

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3

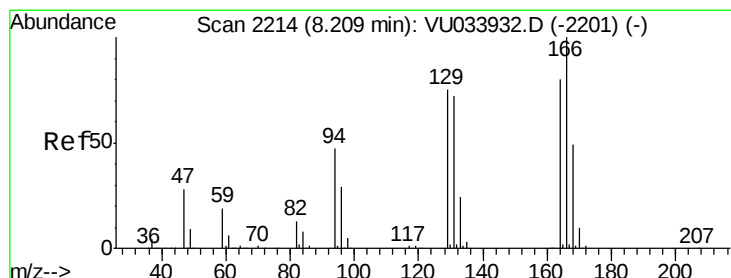
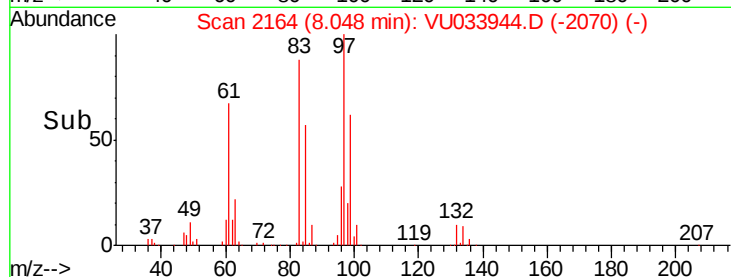
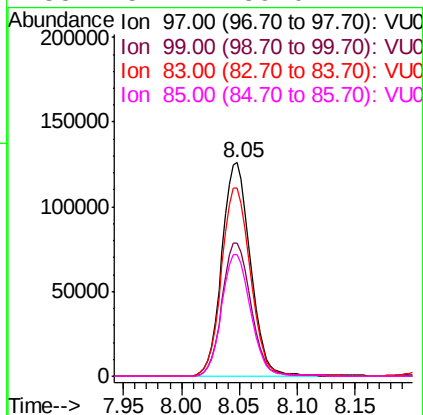
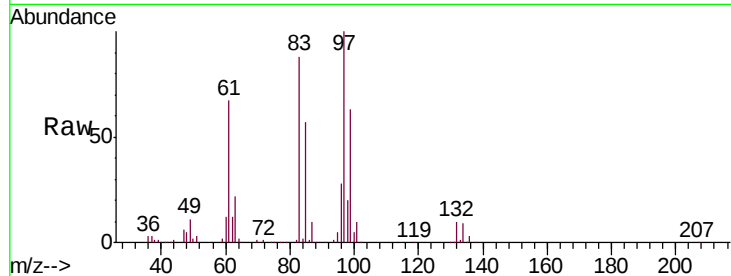




#45
 1,1,2-Trichloroethane
 Concen: 50.251 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033944.D
 Acq: 23 Aug 2019 15:59

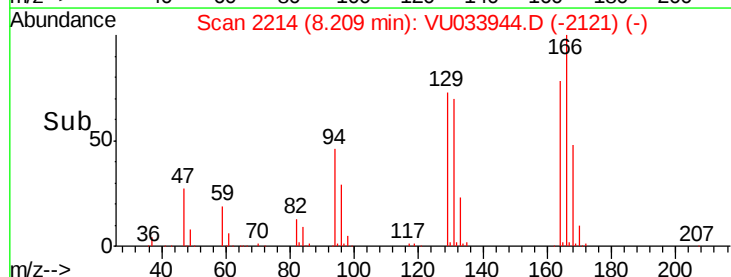
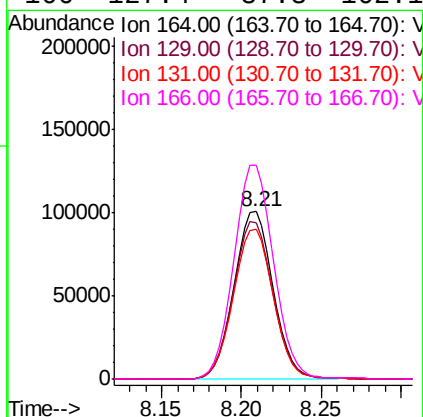
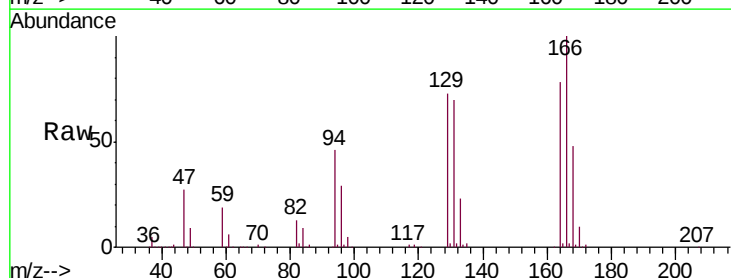
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

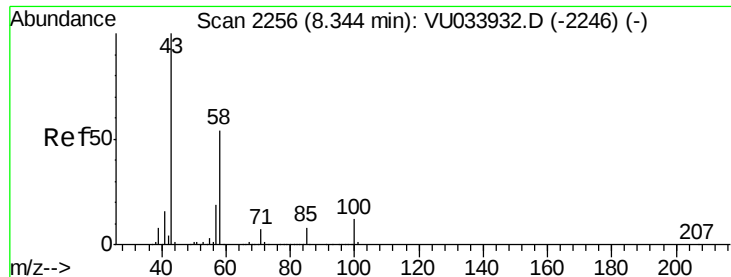
Tgt Ion:	97	Resp:	215747
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.2	82.2
83	88.0	61.2	113.6
85	57.1	39.0	72.4



#46
 Tetrachloroethene
 Concen: 48.667 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033944.D
 Acq: 23 Aug 2019 15:59

Tgt Ion:	164	Resp:	167853
Ion	Ratio	Lower	Upper
164	100		
129	93.5	63.9	118.7
131	89.0	62.5	116.1
166	127.4	87.3	162.1

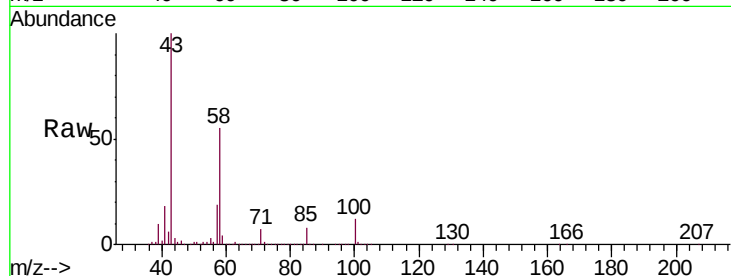




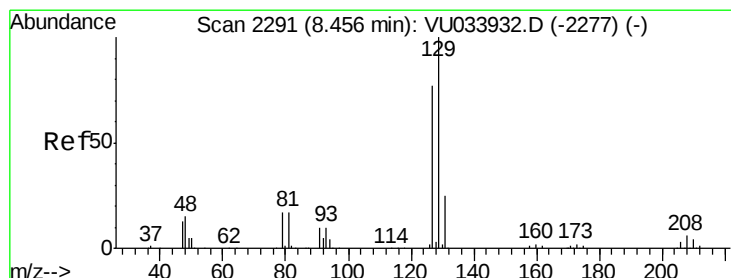
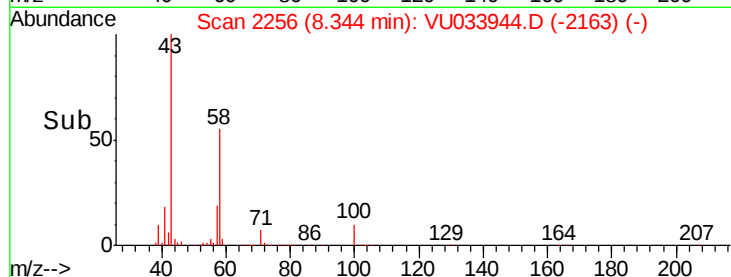
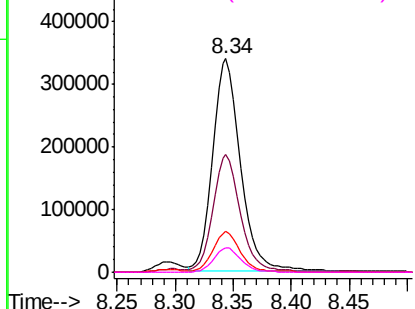
#48
2-Hexanone
Concen: 109.593 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion: 43 Resp: 570334
Ion Ratio Lower Upper
43 100
58 53.4 44.3 66.5
57 18.5 15.3 22.9
100 11.5 9.4 14.2

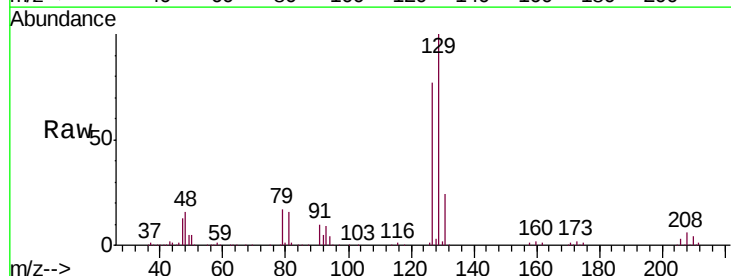


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

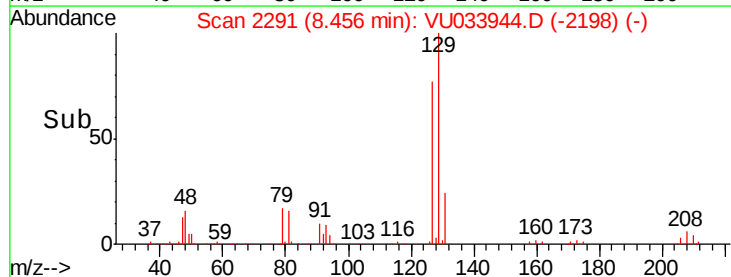
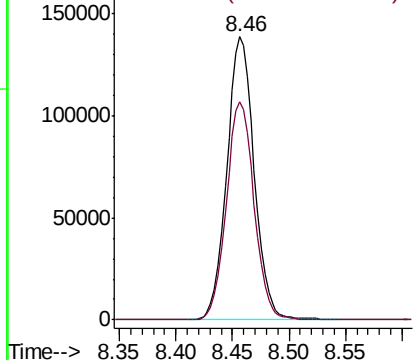


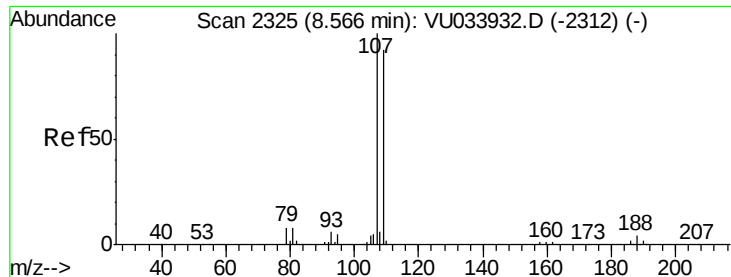
#49
Dibromochloromethane
Concen: 49.038 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

Tgt Ion: 129 Resp: 233554
Ion Ratio Lower Upper
129 100
127 77.3 54.5 101.3



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

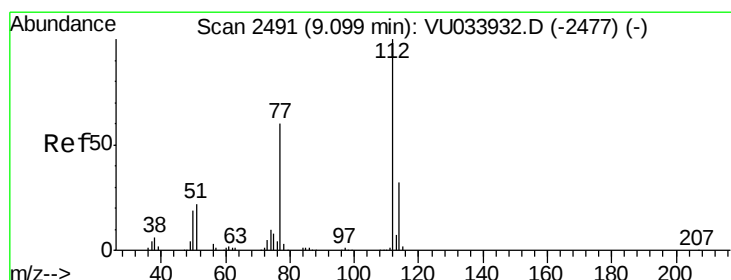
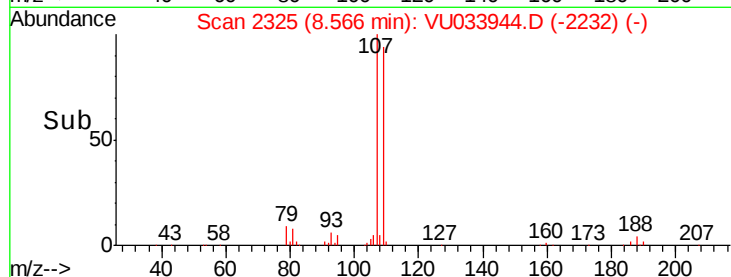
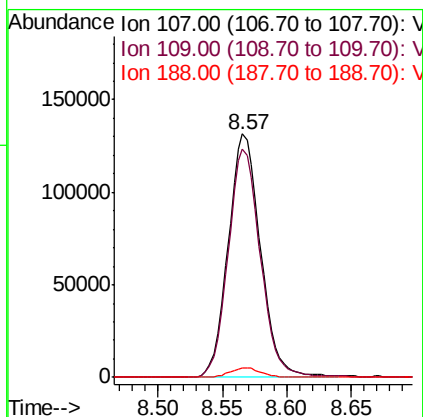
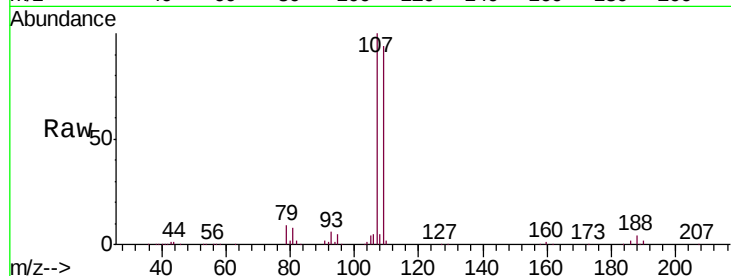




#50
1,2-Dibromoethane
Concen: 49.934 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

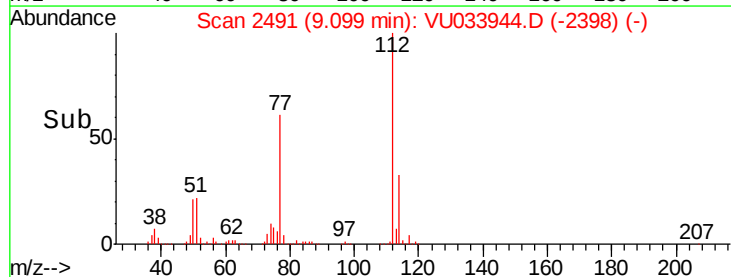
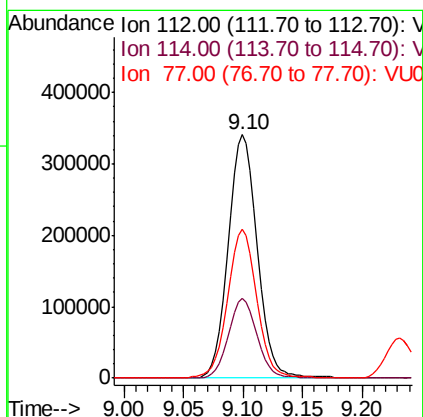
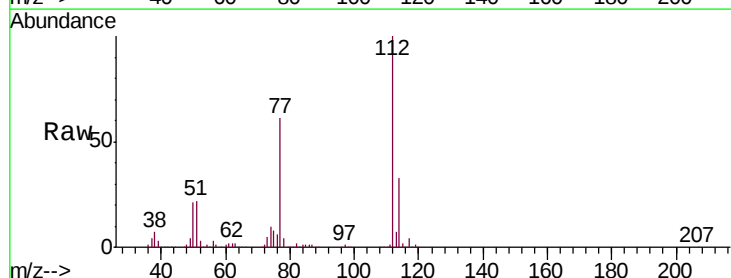
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

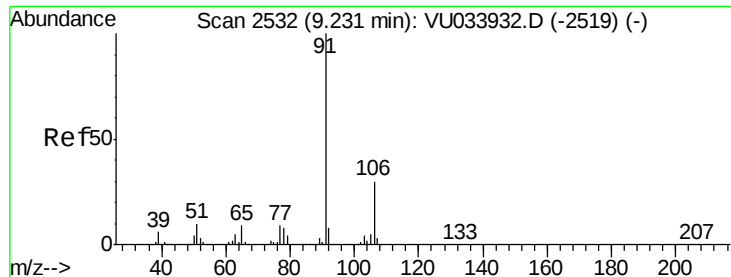
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.9	124.3
188	3.9	3.0	4.4



#51
Chlorobenzene
Concen: 49.254 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.5	41.7
77	61.2	47.3	70.9





#52

Ethylbenzene

Concen: 51.646 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

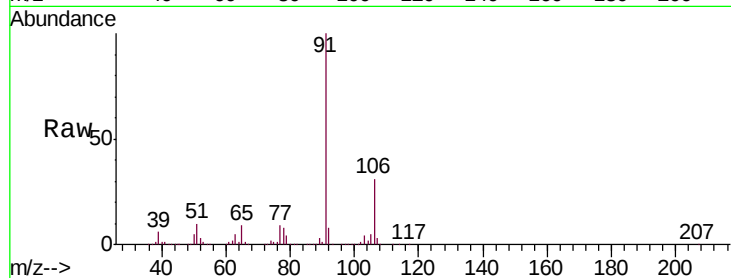
VSTD05053

Tgt Ion: 91 Resp: 987347

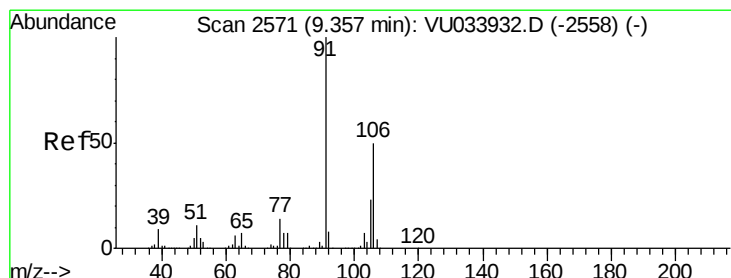
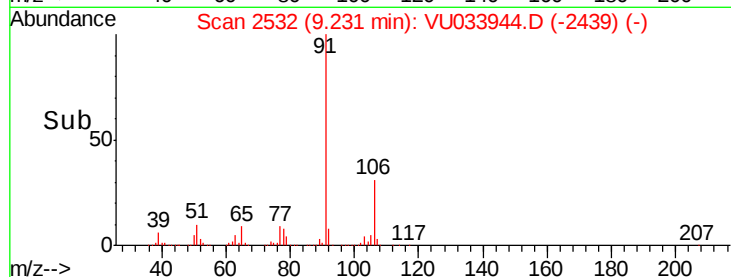
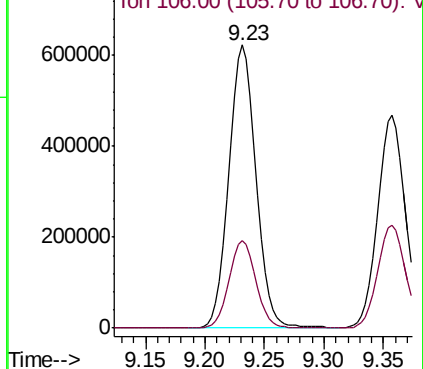
Ion Ratio Lower Upper

91 100

106 31.0 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VU033932.D (-2519) (-)



#53

m,p-Xylene

Concen: 52.718 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033944.D

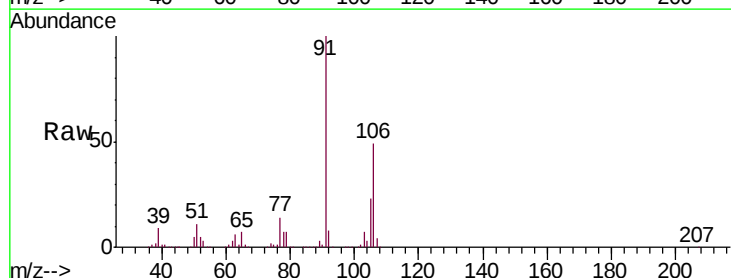
Acq: 23 Aug 2019 15:59

Tgt Ion: 106 Resp: 371391

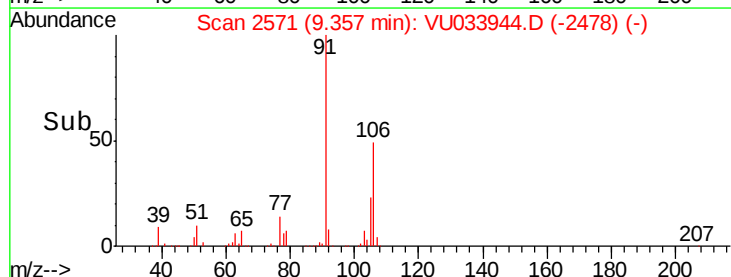
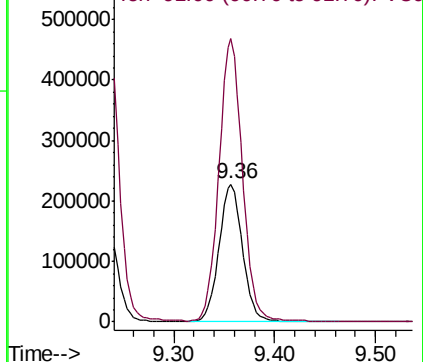
Ion Ratio Lower Upper

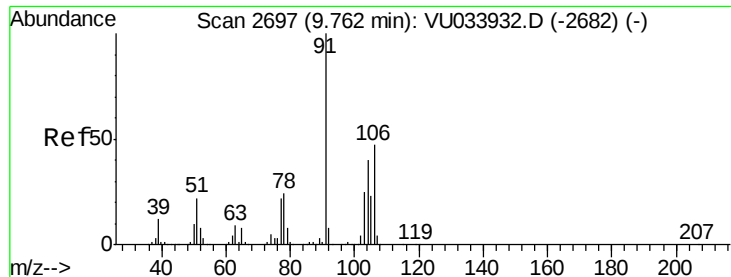
106 100

91 205.8 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): VU033932.D (-2558) (-)





#54

o-xylene

Concen: 51.728 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

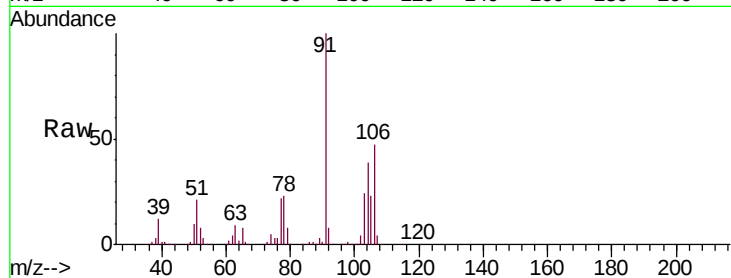
VSTD05053

Tgt Ion:106 Resp: 359214

Ion Ratio Lower Upper

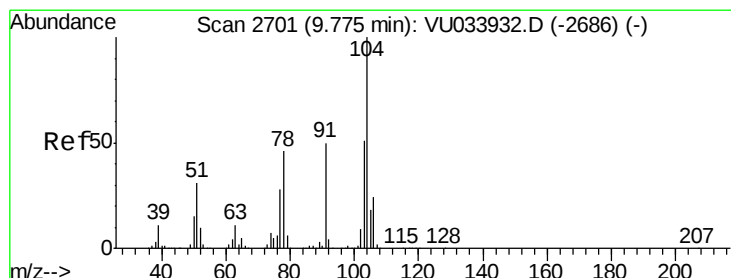
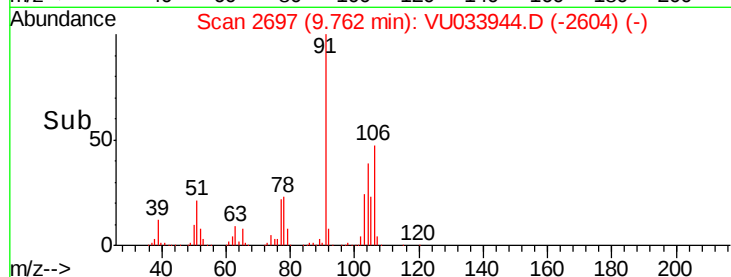
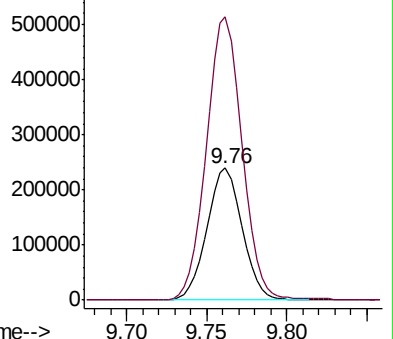
106 100

91 214.5 148.6 276.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.937 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033944.D

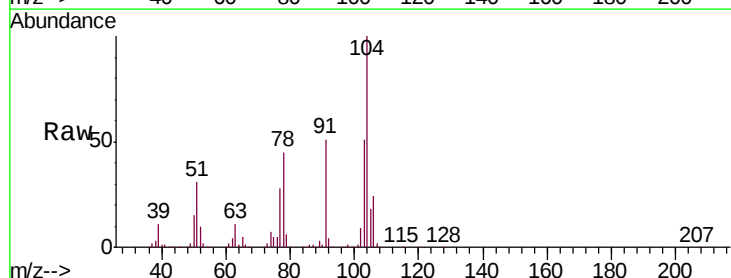
Acq: 23 Aug 2019 15:59

Tgt Ion:104 Resp: 637760

Ion Ratio Lower Upper

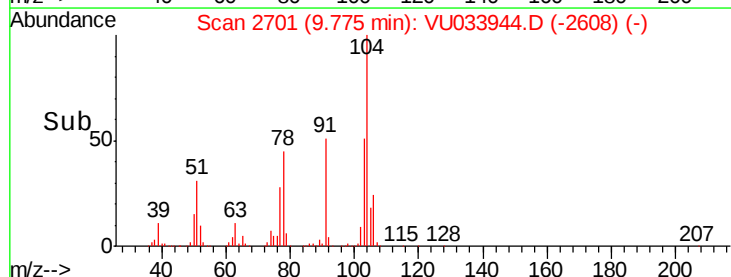
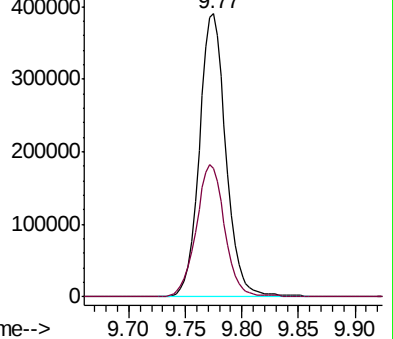
104 100

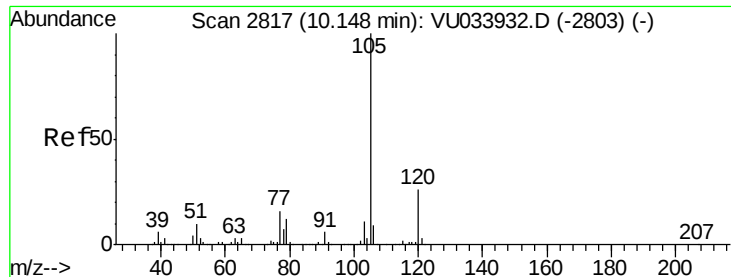
78 45.3 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.515 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

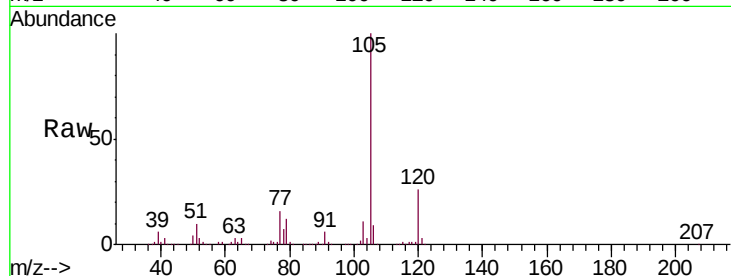
Tgt Ion: 105 Resp: 947637

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

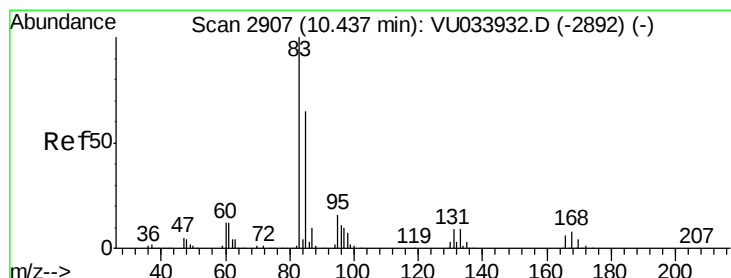
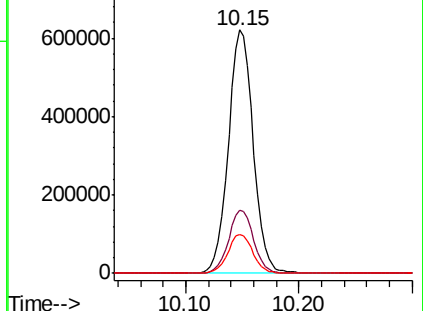
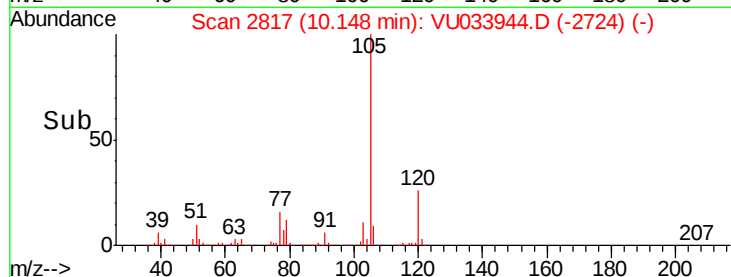
77 16.4 12.6 18.8



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: 51.087 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

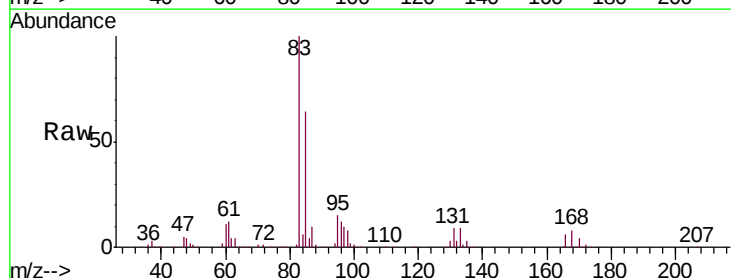
Tgt Ion: 83 Resp: 380155

Ion Ratio Lower Upper

83 100

85 64.1 46.3 85.9

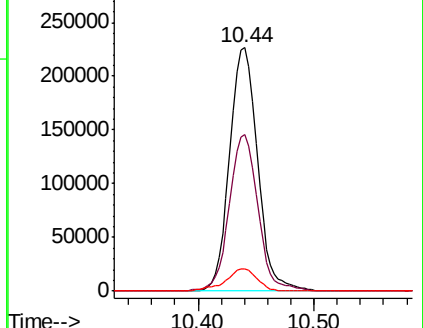
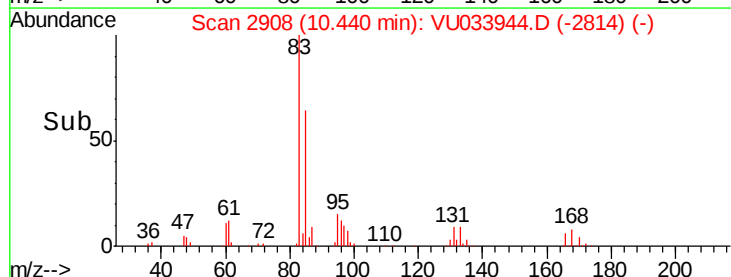
131 9.1 7.9 11.9

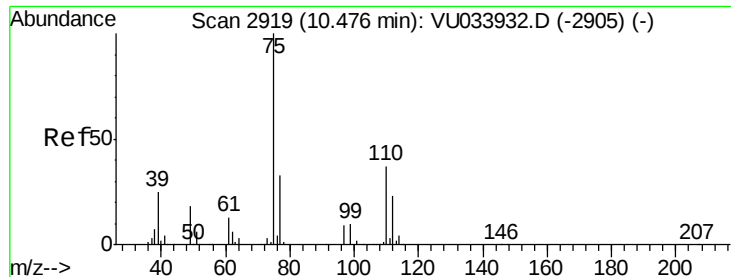


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.773 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

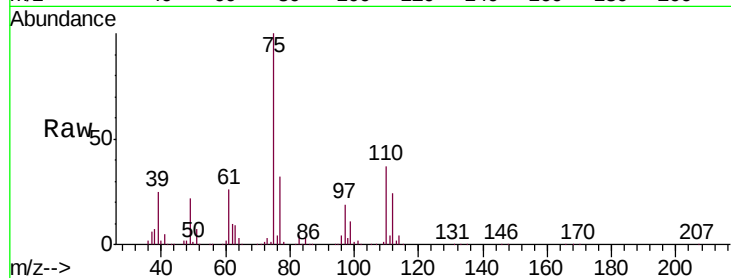
VSTD05053

Tgt Ion: 75 Resp: 303636

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU033932.D (-2905) (-)

Ion 77.00 (76.70 to 77.70): VU033932.D (-2905) (-)

10.48

200000

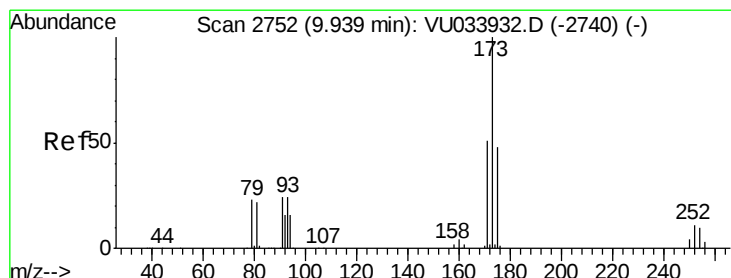
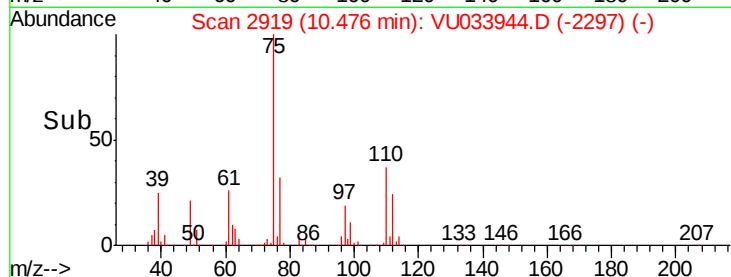
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 46.962 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

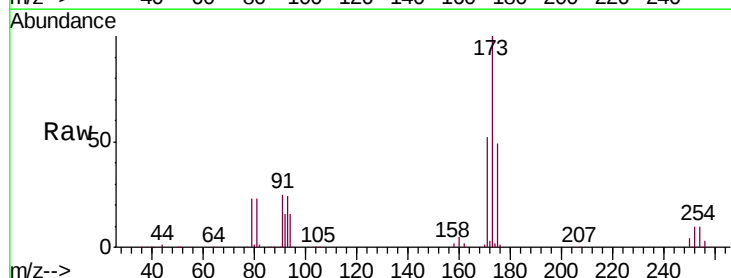
Tgt Ion: 173 Resp: 171977

Ion Ratio Lower Upper

173 100

175 49.9 39.4 59.2

254 10.0 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): VU033932.D (-2740) (-)

Ion 175.00 (174.70 to 175.70): VU033932.D (-2740) (-)

Ion 254.00 (253.70 to 254.70): VU033932.D (-2740) (-)

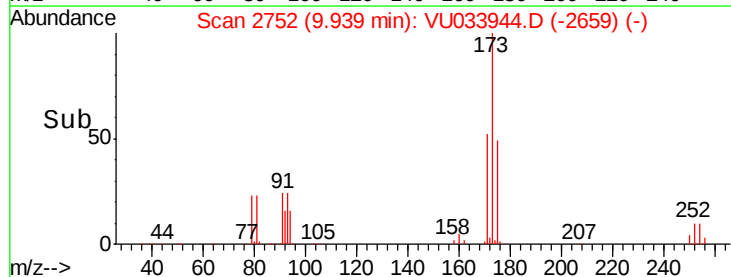
9.94

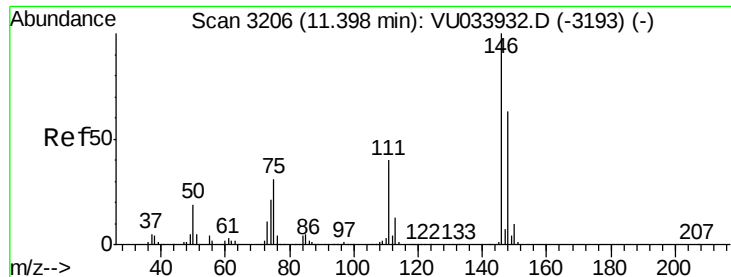
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.697 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

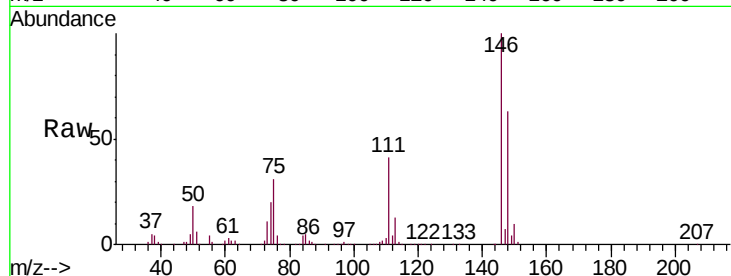
Tgt Ion:146 Resp: 453192

Ion Ratio Lower Upper

146 100

111 40.6 27.8 51.6

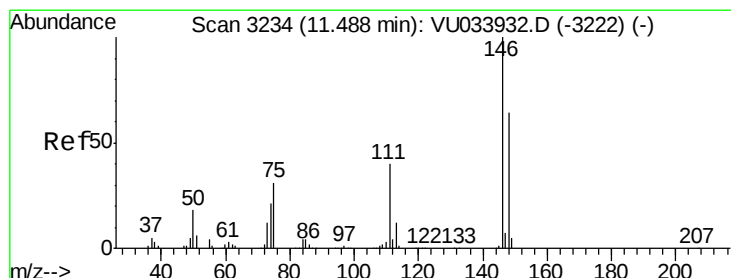
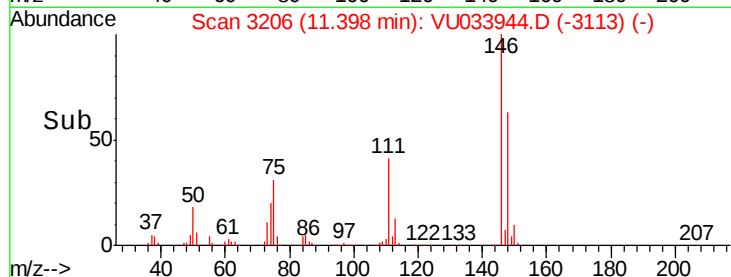
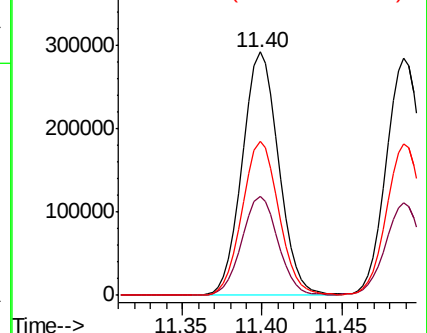
148 63.5 45.1 83.9



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: 48.310 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU033944.D

Acq: 23 Aug 2019 15:59

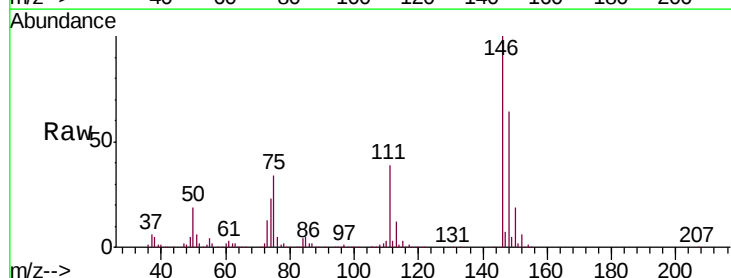
Tgt Ion:146 Resp: 456481

Ion Ratio Lower Upper

146 100

111 39.0 26.7 49.5

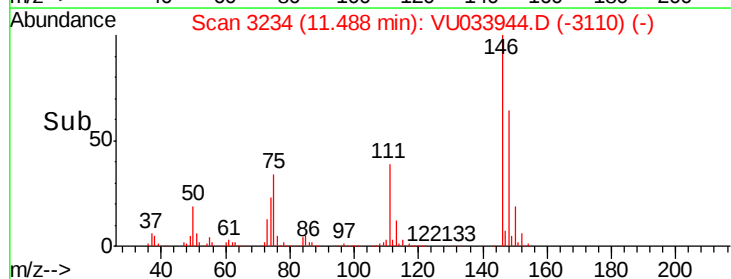
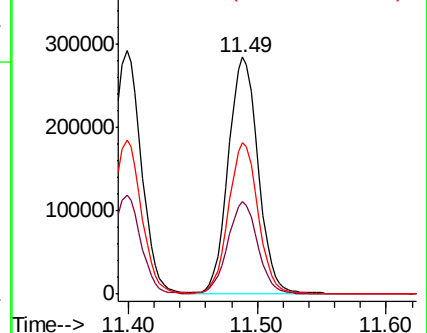
148 64.0 43.5 80.9

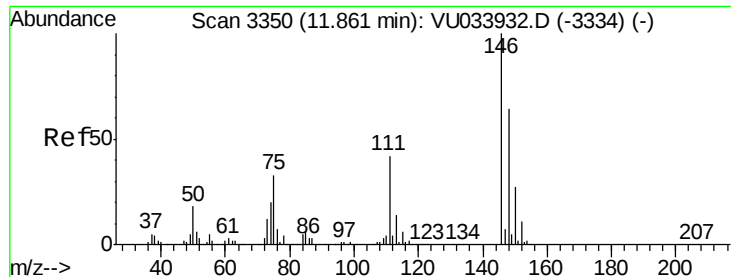


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

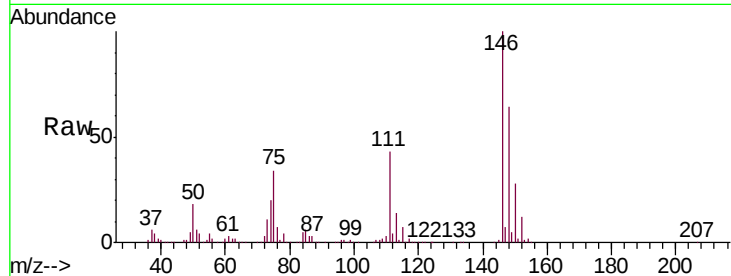




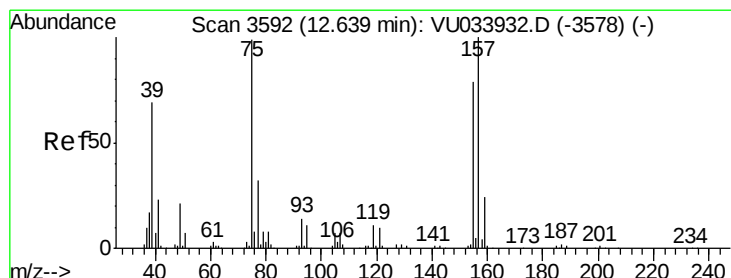
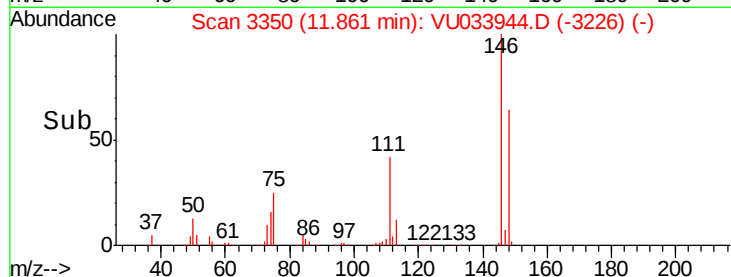
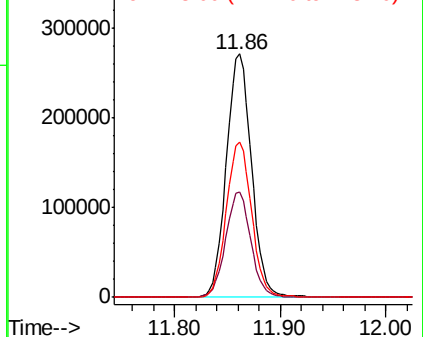
#65
 1,2-Dichlorobenzene
 Concen: 49.280 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033944.D
 Acq: 23 Aug 2019 15:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion: 146 Resp: 448335
 Ion Ratio Lower Upper
 146 100
 111 43.1 33.1 49.7
 148 63.8 50.8 76.2

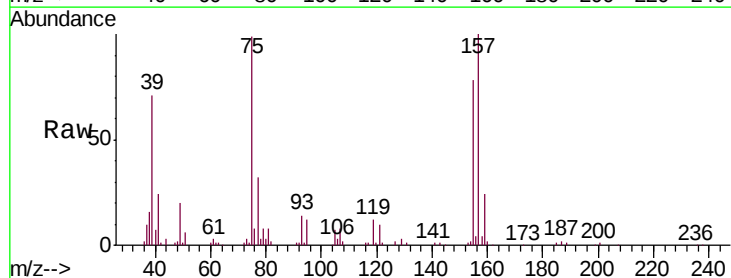


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

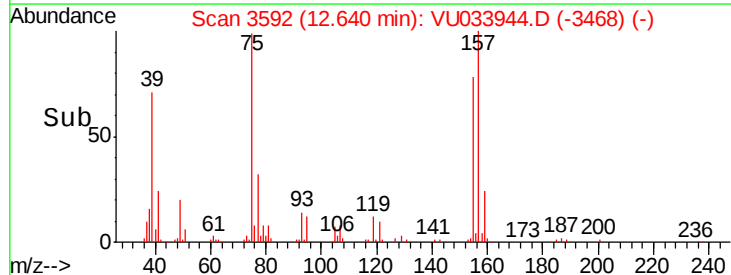
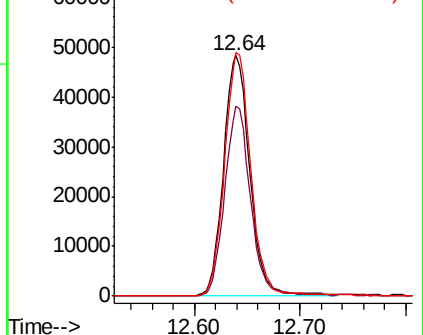


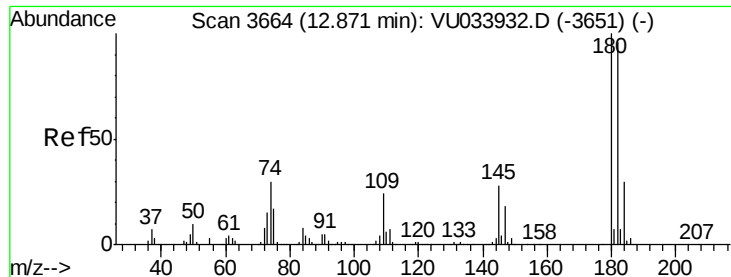
#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.033 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033944.D
 Acq: 23 Aug 2019 15:59

Tgt Ion: 75 Resp: 83481
 Ion Ratio Lower Upper
 75 100
 155 79.1 64.3 96.5
 157 101.2 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

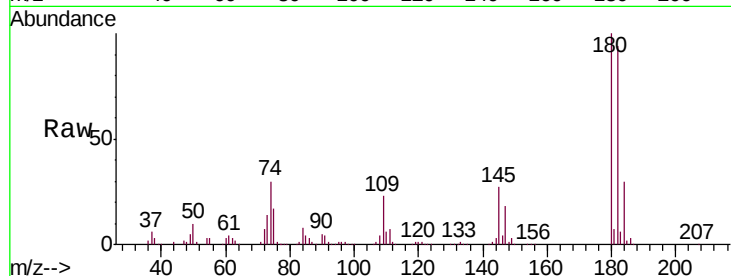




#67
 1,3,5-Trichlorobenzene
 Concen: 49.130 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VU033944.D
 Acq: 23 Aug 2019 15:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion:	180	Resp:	344371
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.4	114.6
184	30.2	24.1	36.1
145	28.0	22.4	33.6



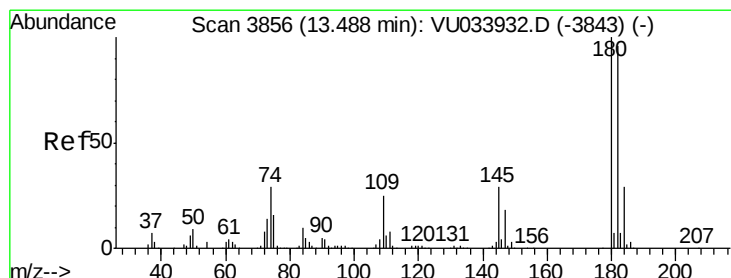
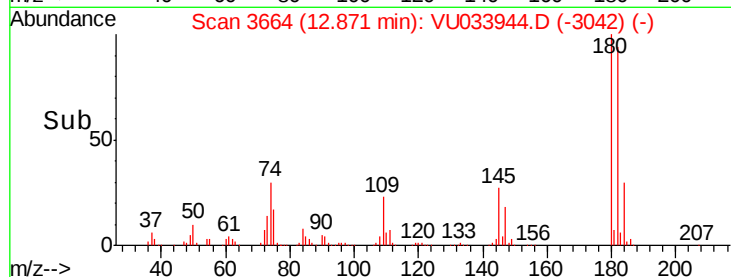
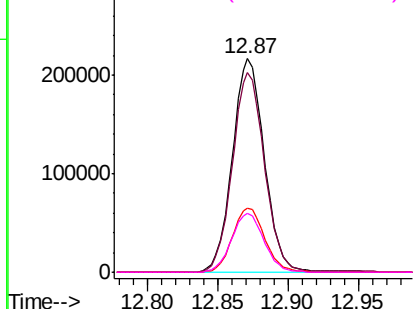
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

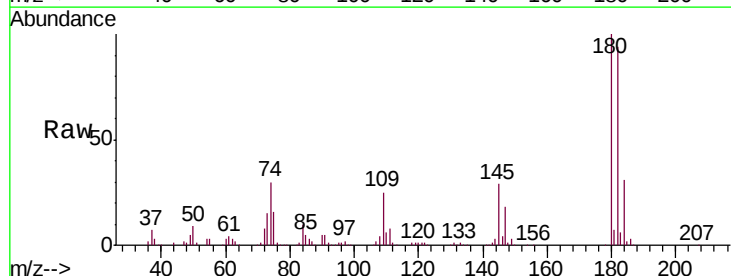
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.215 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033944.D
 Acq: 23 Aug 2019 15:59

Tgt Ion:	180	Resp:	277108
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
145	29.2	22.8	34.2

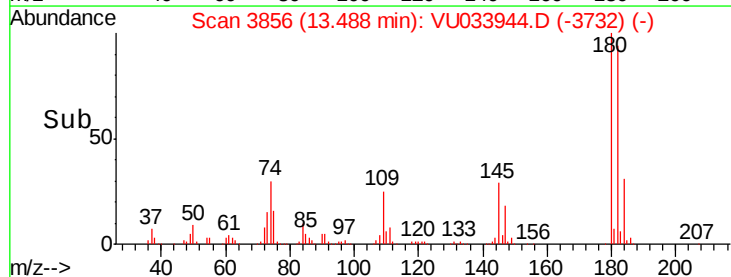
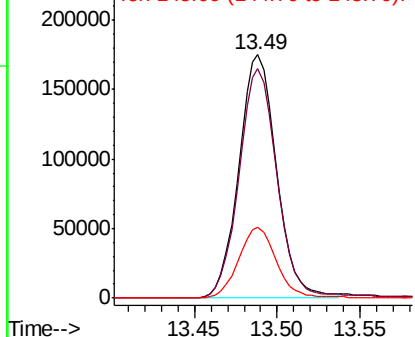


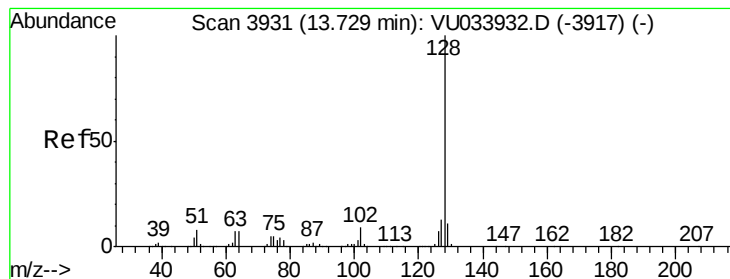
Abundance

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

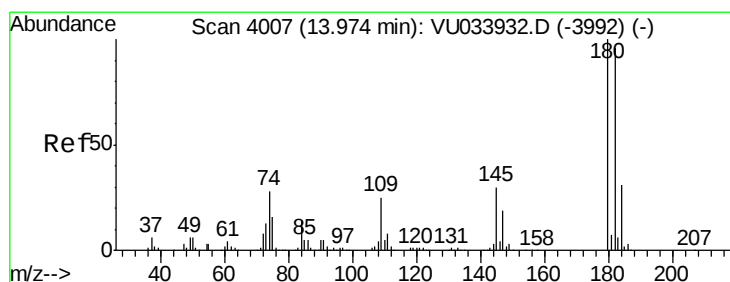
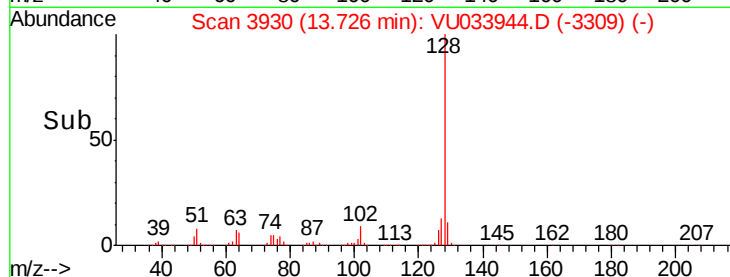
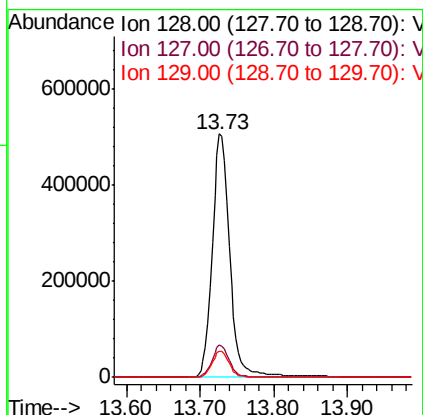
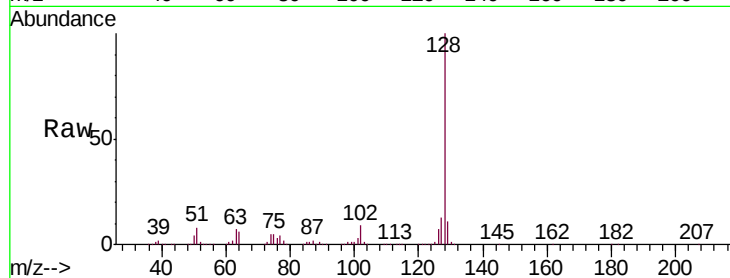




#69
Naphthalene
Concen: 49.064 ug/L
RT: 13.73 min Scan# 3930
Delta R.T. -0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion:128 Resp: 841935
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.5 8.3 12.5



#70
1,2,3-Trichlorobenzene
Concen: 49.490 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033944.D
Acq: 23 Aug 2019 15:59

Tgt Ion:180 Resp: 300592
Ion Ratio Lower Upper
180 100
182 95.2 76.7 115.1
145 30.5 23.9 35.9

