

Data File : VU033927.D
Acq On : 23 Aug 2019 02:10
Operator : JC/SP
Sample : K4485-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B75

Quant Time: Aug 23 05:22:58 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	578070	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	586471	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	271632	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	228699	45.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.22%
7) Chloroethane-d5	1.67	69	193371	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.18%
11) 1,1-Dichloroethene-d2	2.25	63	326380	35.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.38%
21) 2-Butanone-d5	4.15	46	390970	114.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.61%
24) Chloroform-d	4.62	84	401721	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	5.28	65	268313	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
32) Benzene-d6	5.31	84	814601	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.31	67	272840	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.94%
41) Toluene-d8	7.55	98	713412	47.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.78%
43) trans-1,3-Dichloropropene-	7.83	79	115875	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.29	63	270547	120.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.35%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	387525	50.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.68%
64) 1,2-Dichlorobenzene-d4	11.84	152	262116	47.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.58%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.39	62	8704	1.441	ug/L	# 1
8) Chloroethane	1.39	64	7791	2.150	ug/L	86
13) Acetone	2.30	43	452369	145.188	ug/L	100
14) Carbon disulfide	2.46	76	23567	1.880	ug/L	97
15) Methyl Acetate	2.60	43	7271	1.340	ug/L	92
20) cis-1,2-Dichloroethene	4.20	96	14326	3.108	ug/L	98
22) 2-Butanone	4.24	43	85196	21.764	ug/L	99
34) Trichloroethene	6.16	95	8632	1.876	ug/L	96
39) cis-1,3-Dichloropropene	7.21	75	7171	0.994	ug/L	# 67
40) 4-Methyl-2-pentanone	7.45	43	12568	1.809	ug/L	98
42) Toluene	7.62	91	67752	3.692	ug/L	98
46) Tetrachloroethene	8.21	164	8261	2.310	ug/L	96
48) 2-Hexanone	8.35	43	71101	13.178	ug/L	96
49) Dibromochloromethane	8.21	129	7988	1.618	ug/L	# 10
53) m,p-Xylene	9.36	106	8394	1.149	ug/L	96
59) 1,2,3-Trichloropropane	11.47	75	34422	5.552	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082219\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

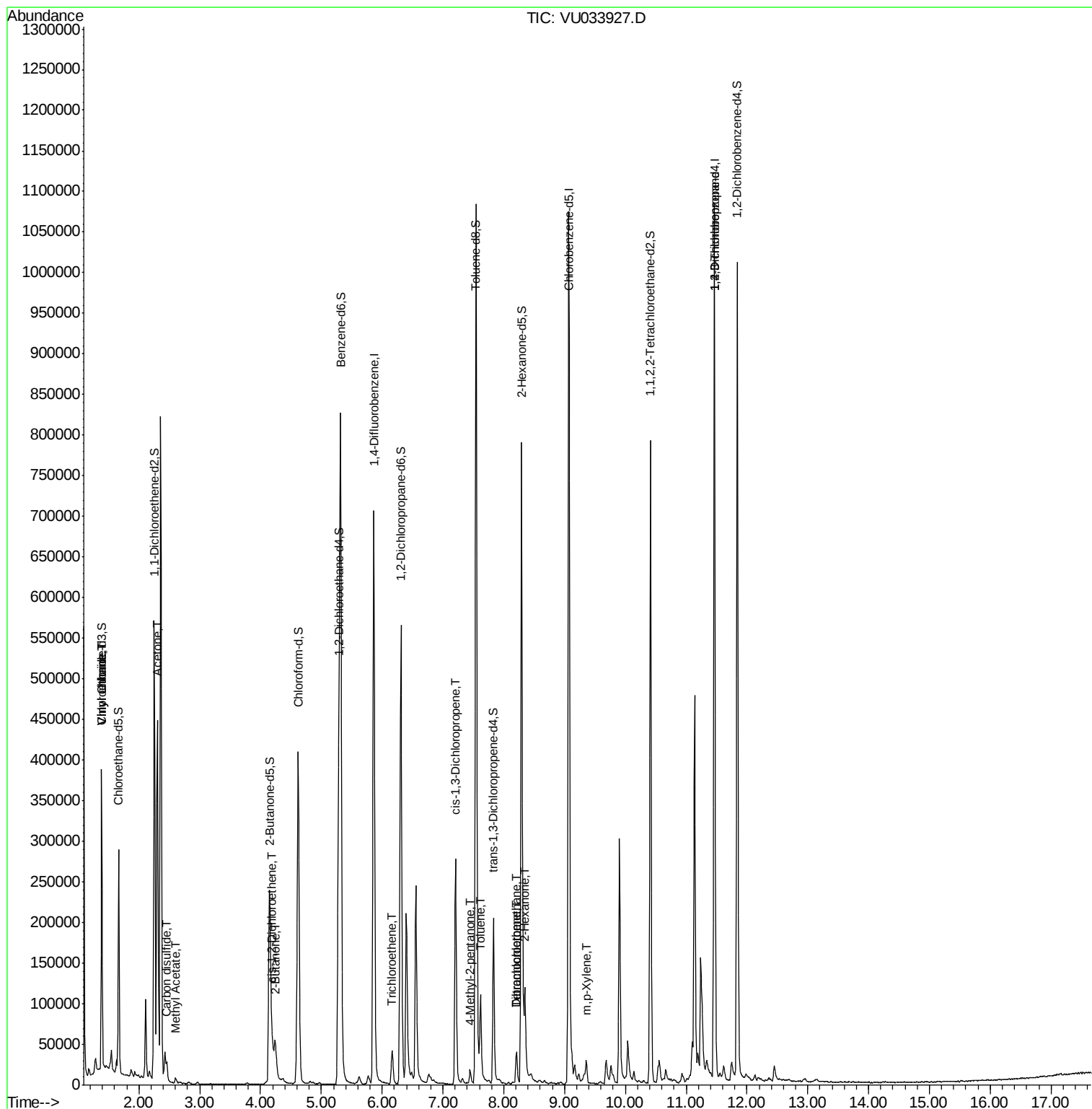
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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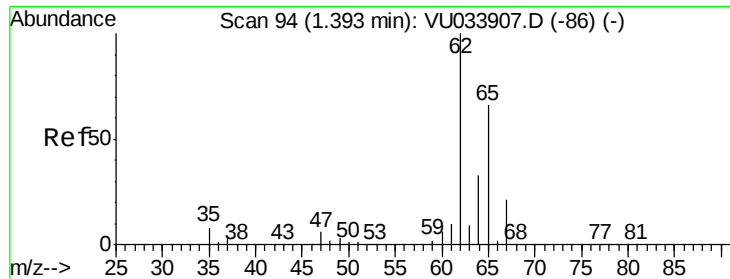
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.441 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Instrument :

MSVOA_U

ClientSampleId :

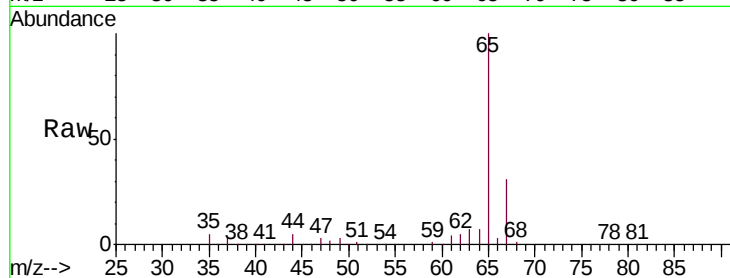
F2B75

Tgt Ion: 62 Resp: 8704

Ion Ratio Lower Upper

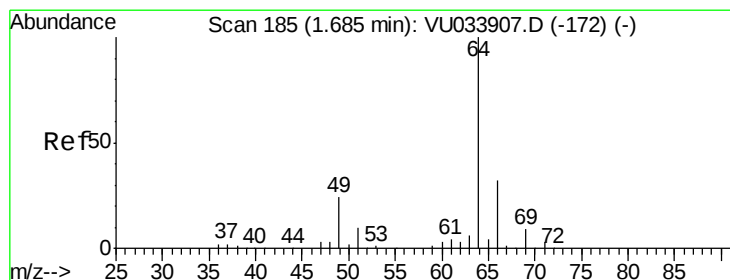
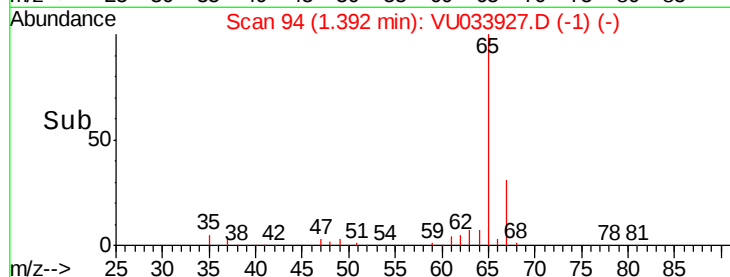
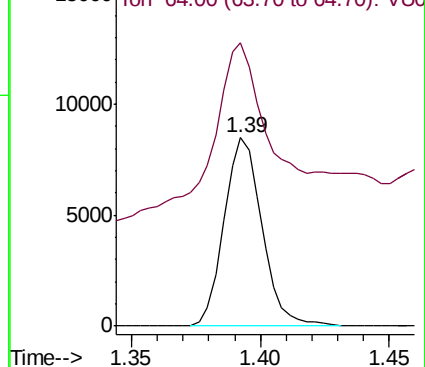
62 100

64 150.2 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 2.150 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.29 min

Lab File: VU033927.D

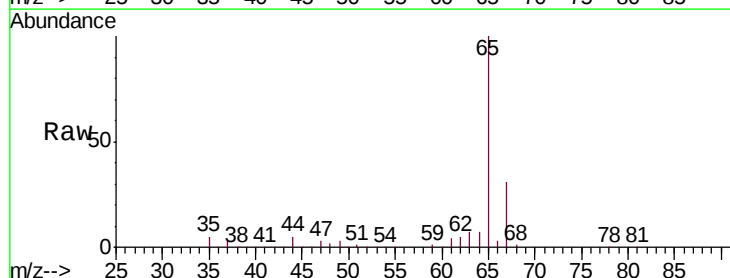
Acq: 23 Aug 2019 02:10

Tgt Ion: 64 Resp: 7791

Ion Ratio Lower Upper

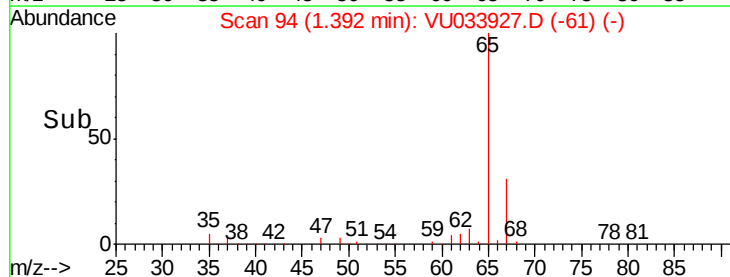
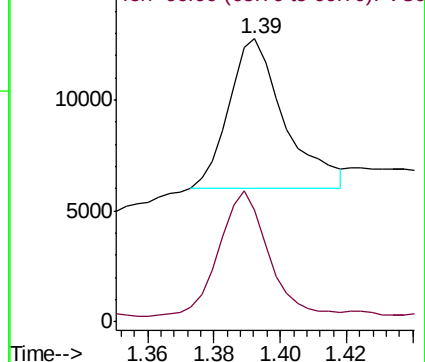
64 100

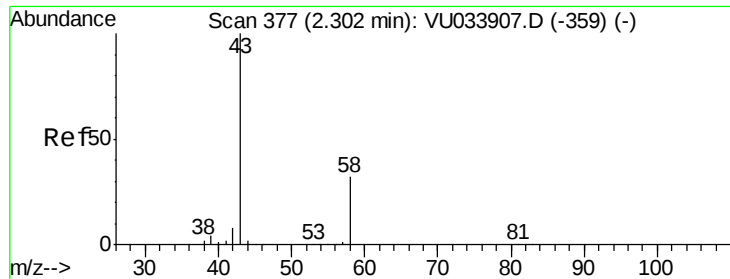
66 39.7 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#13

Acetone

Concen: 145.188 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Instrument :

MSVOA_U

ClientSampleId :

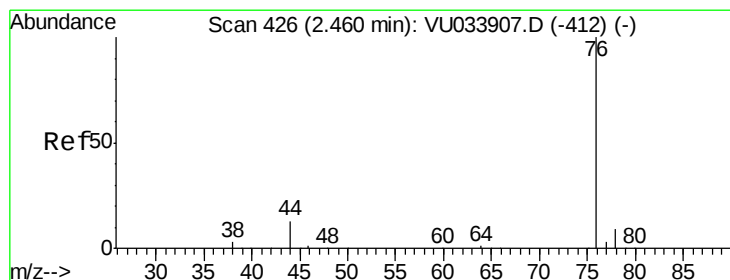
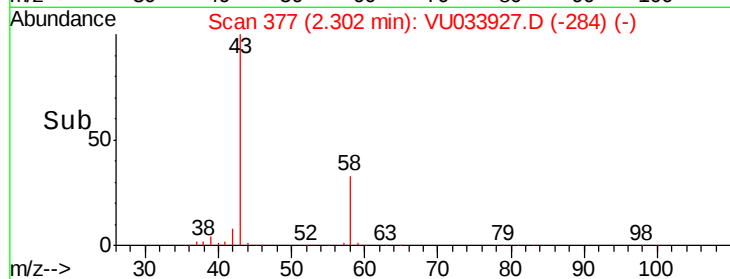
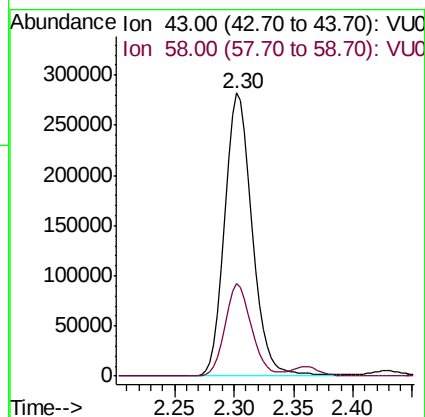
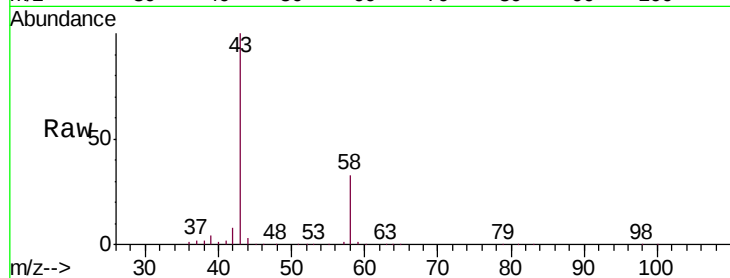
F2B75

Tgt Ion: 43 Resp: 452369

Ion Ratio Lower Upper

43 100

58 31.3 0.0 62.4



#14

Carbon disulfide

Concen: 1.880 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033927.D

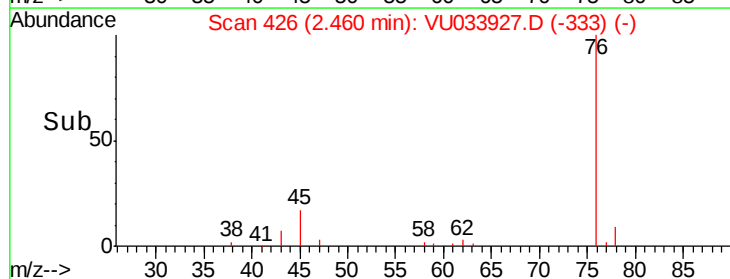
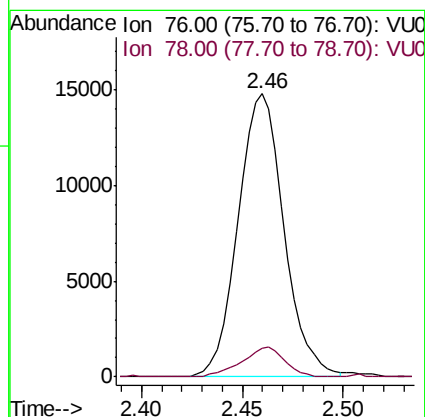
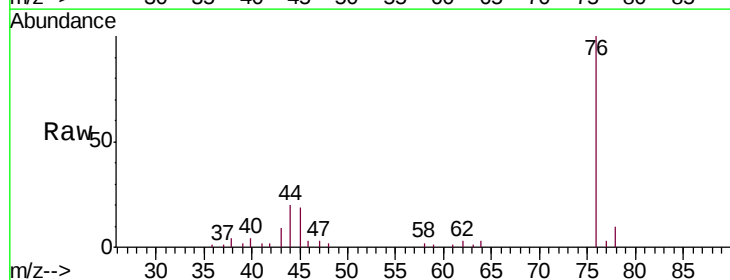
Acq: 23 Aug 2019 02:10

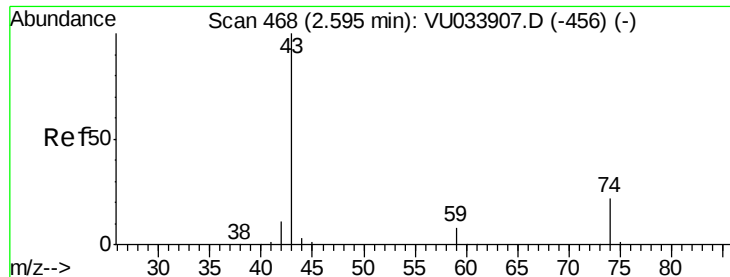
Tgt Ion: 76 Resp: 23567

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.0





#15

Methyl Acetate

Concen: 1.340 ug/L

RT: 2.60 min Scan# 470

Delta R.T. 0.01 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Instrument :

MSVOA_U

ClientSampleId :

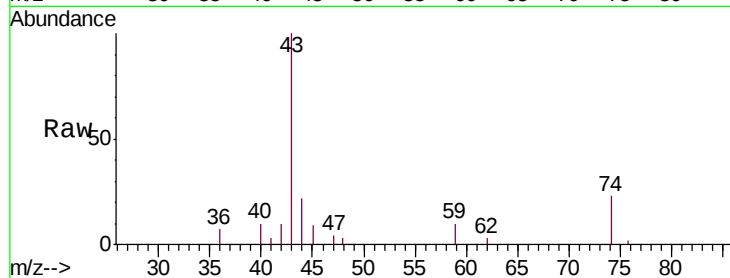
F2B75

Tgt Ion: 43 Resp: 7271

Ion Ratio Lower Upper

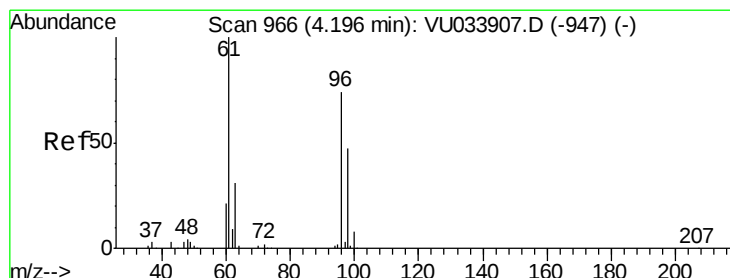
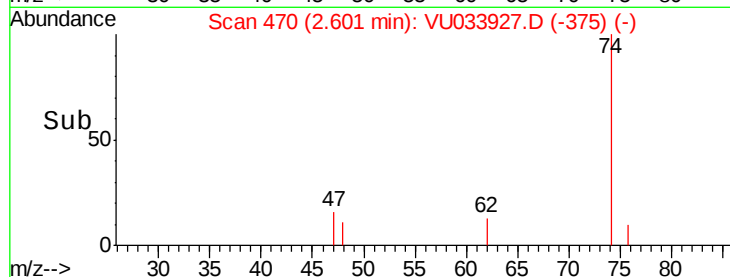
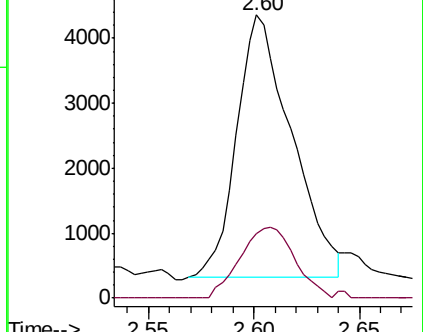
43 100

74 27.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VU033927.D (-470) (-)

Ion 74.00 (73.70 to 74.70): VU033927.D (-470) (-)



#20

cis-1,2-Dichloroethene

Concen: 3.108 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

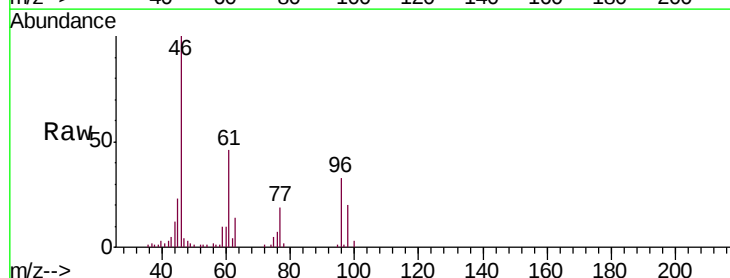
Tgt Ion: 96 Resp: 14326

Ion Ratio Lower Upper

96 100

61 139.3 95.5 177.4

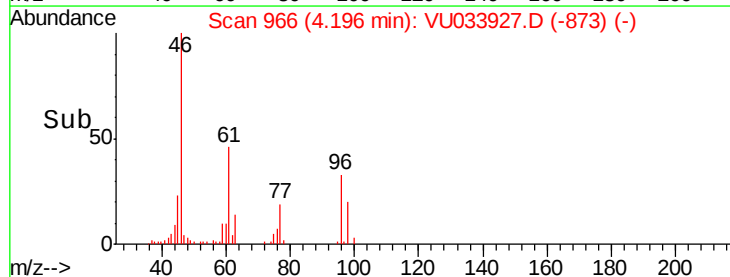
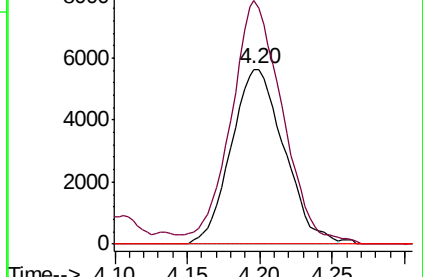
68 0.0 0.0 0.0

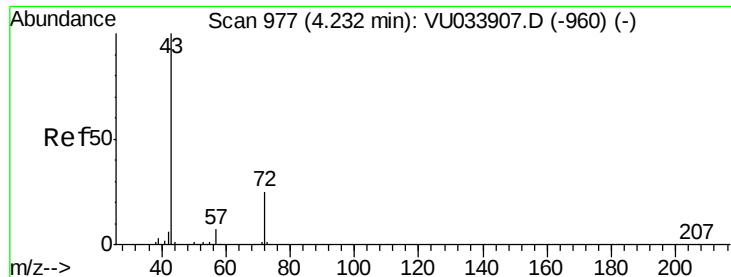


Abundance Ion 96.00 (95.70 to 96.70): VU033927.D (-966) (-)

Ion 61.00 (60.70 to 61.70): VU033927.D (-966) (-)

Ion 68.00 (67.70 to 68.70): VU033927.D (-966) (-)





#22

2-Butanone

Concen: 21.764 ug/L

RT: 4.24 min Scan# 980

Delta R.T. 0.01 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Instrument :

MSVOA_U

ClientSampleId :

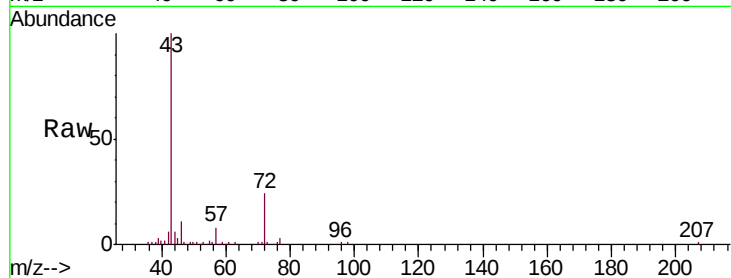
F2B75

Tgt Ion: 43 Resp: 85196

Ion Ratio Lower Upper

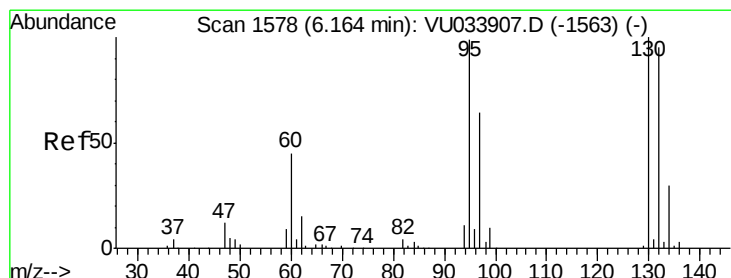
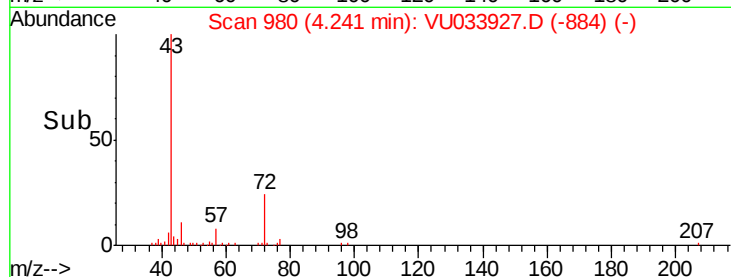
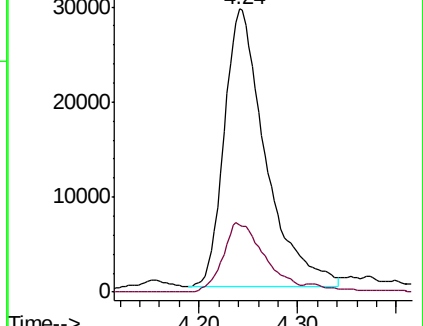
43 100

72 25.3 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU033907.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU033907.D (-960) (-)



#34

Trichloroethene

Concen: 1.876 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Tgt Ion: 95 Resp: 8632

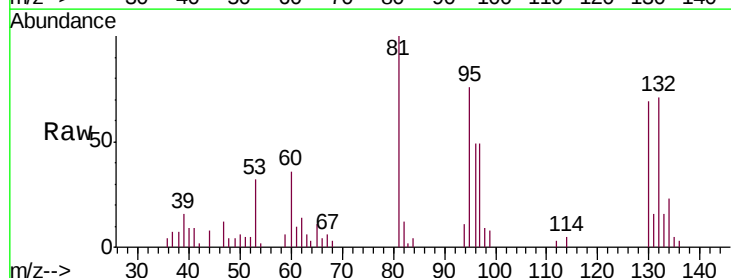
Ion Ratio Lower Upper

95 100

97 63.8 44.7 82.9

132 92.7 65.7 122.1

130 90.7 70.0 130.0

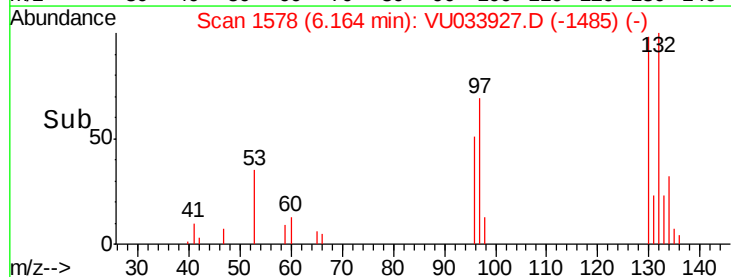
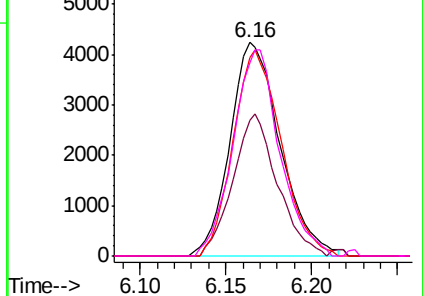


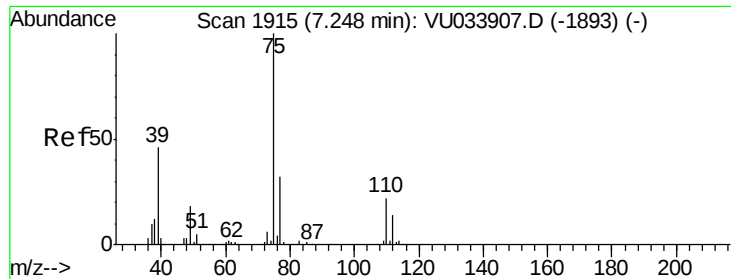
Abundance Ion 95.00 (94.70 to 95.70): VU033907.D (-1563) (-)

Ion 97.00 (96.70 to 97.70): VU033907.D (-1563) (-)

Ion 132.00 (131.70 to 132.70): VU033907.D (-1563) (-)

Ion 130.00 (129.70 to 130.70): VU033907.D (-1563) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.994 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Instrument :

MSVOA_U

ClientSampleId :

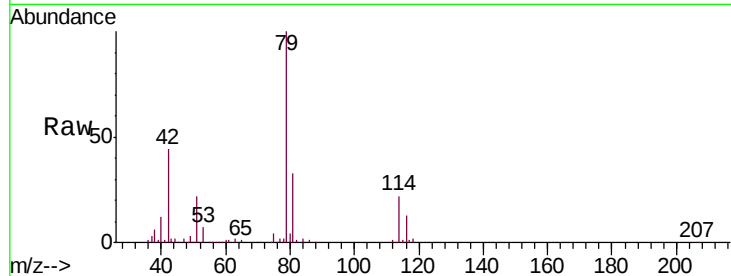
F2B75

Tgt Ion: 75 Resp: 7171

Ion Ratio Lower Upper

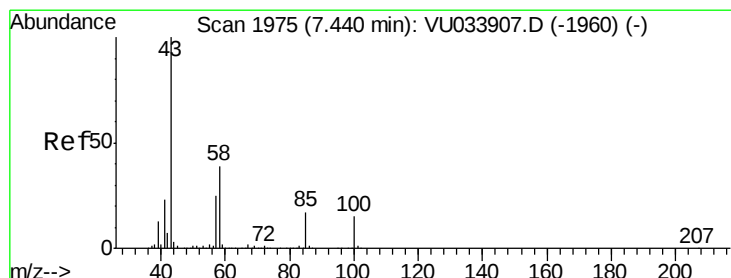
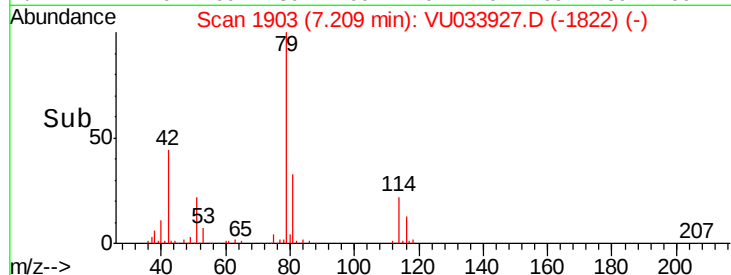
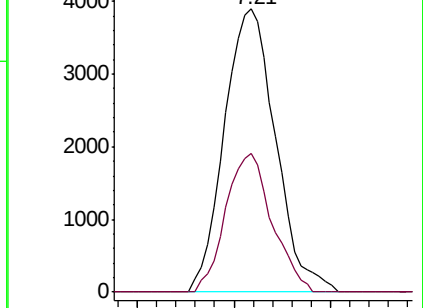
75 100

77 49.1 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 1.809 ug/L

RT: 7.45 min Scan# 1977

Delta R.T. 0.01 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

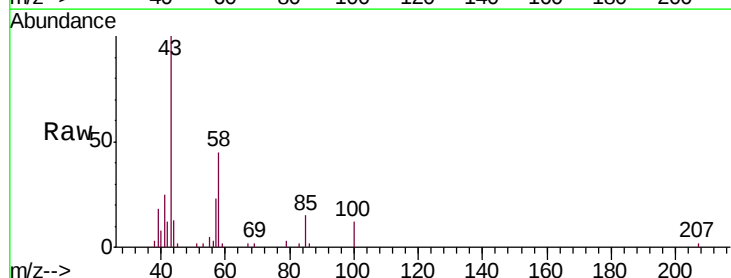
Tgt Ion: 43 Resp: 12568

Ion Ratio Lower Upper

43 100

58 40.1 31.6 47.4

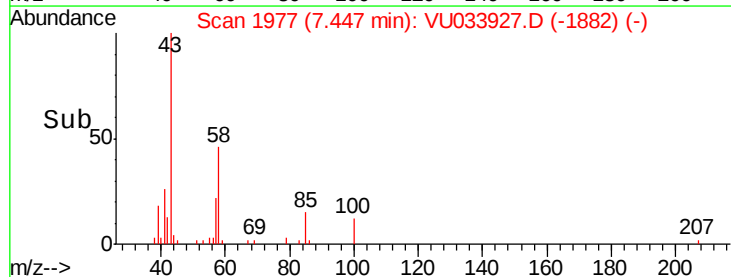
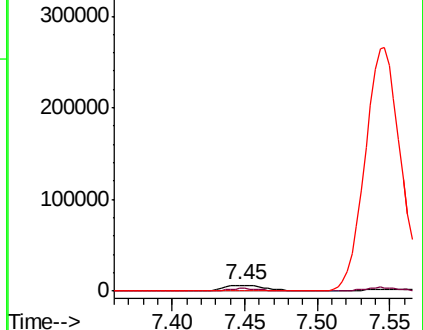
100 12.4 12.0 18.0

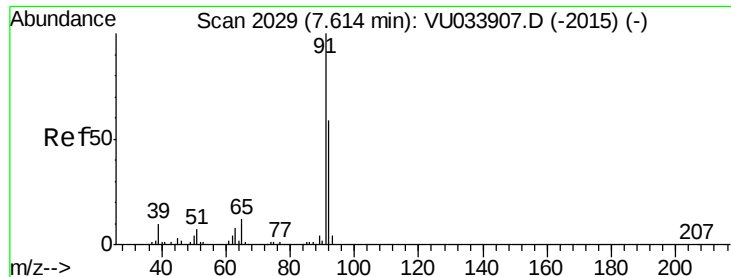


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 3.692 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Instrument :

MSVOA_U

ClientSampleId :

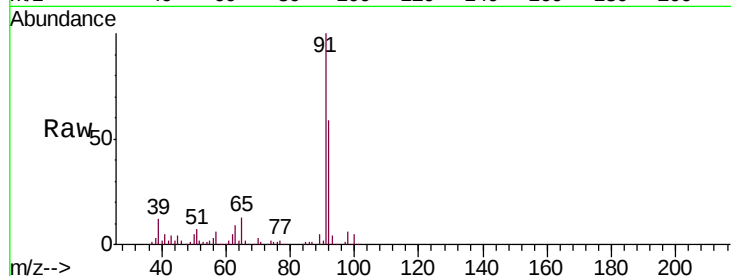
F2B75

Tgt Ion: 91 Resp: 67752

Ion Ratio Lower Upper

91 100

92 58.8 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU033907.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU033907.D (-2015) (-)

7.62

40000

30000

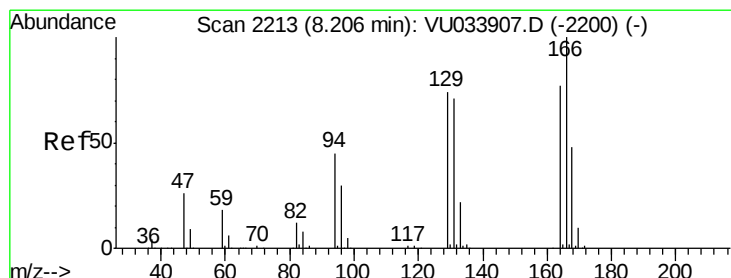
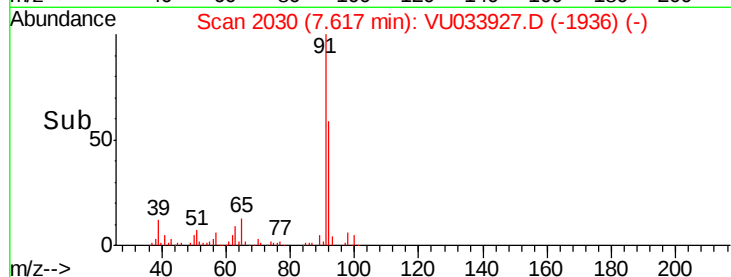
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#46

Tetrachloroethene

Concen: 2.310 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Tgt Ion: 164 Resp: 8261

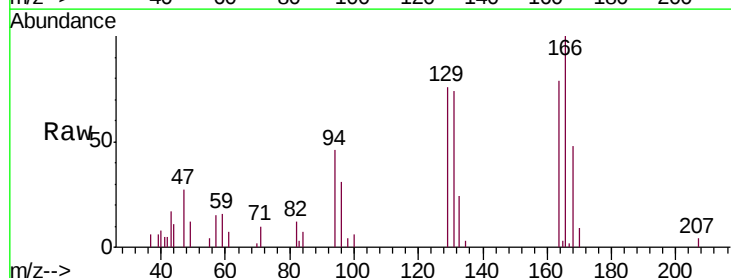
Ion Ratio Lower Upper

164 100

129 96.0 63.9 118.7

131 93.9 62.5 116.1

166 127.0 87.3 162.1



Abundance Ion 164.00 (163.70 to 164.70): VU033907.D (-2200) (-)

Ion 129.00 (128.70 to 129.70): VU033907.D (-2200) (-)

Ion 131.00 (130.70 to 131.70): VU033907.D (-2200) (-)

Ion 166.00 (165.70 to 166.70): VU033907.D (-2200) (-)

8000

6000

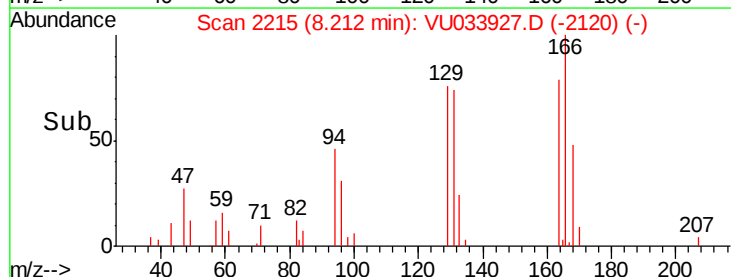
4000

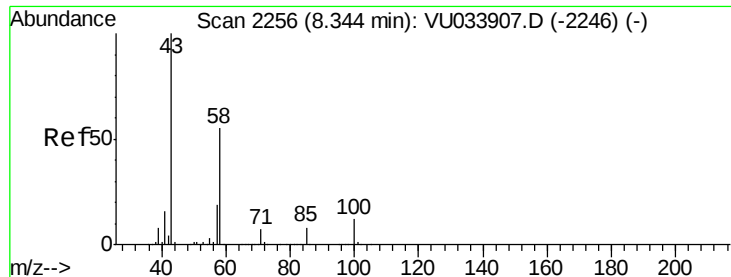
2000

0

8.15 8.20 8.25

Time-->

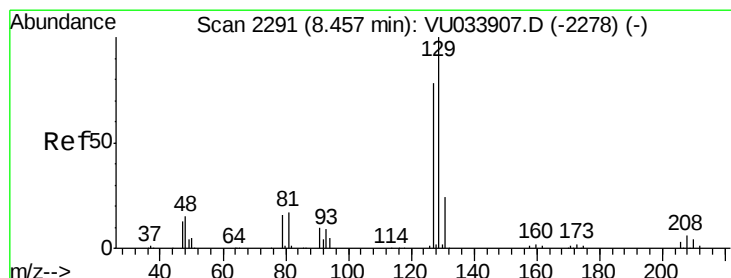
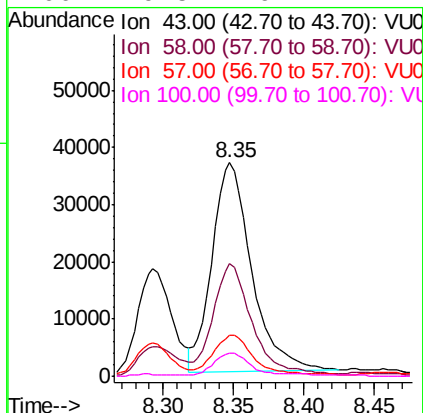
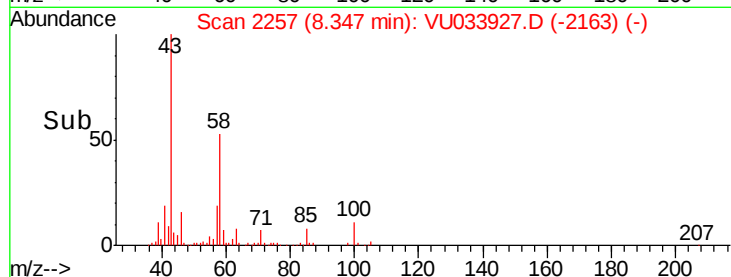
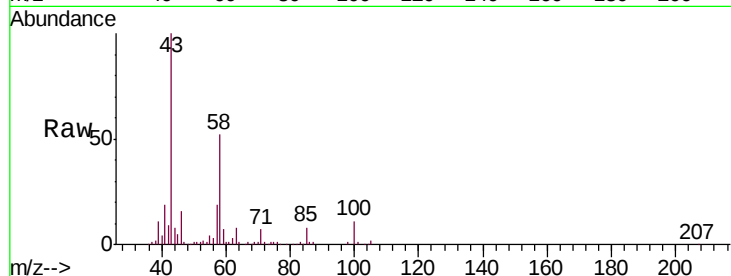




#48
2-Hexanone
Concen: 13.178 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033927.D
Acq: 23 Aug 2019 02:10

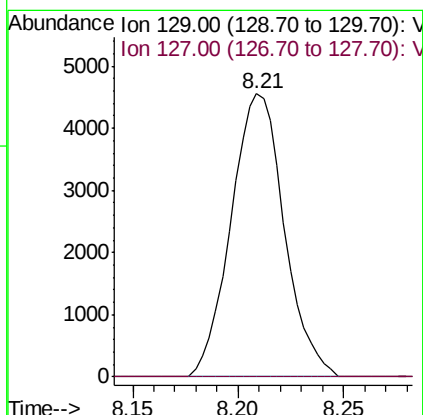
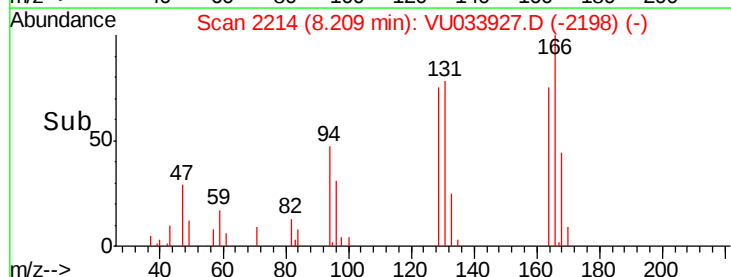
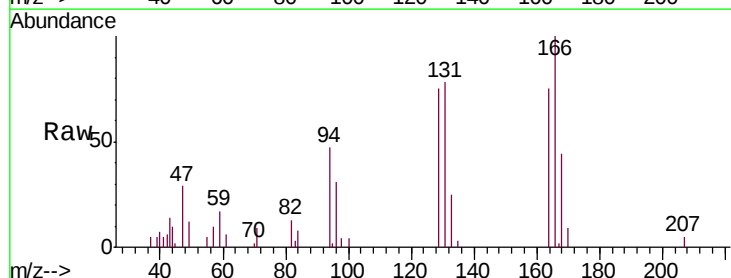
Instrument :
MSVOA_U
ClientSampleId :
F2B75

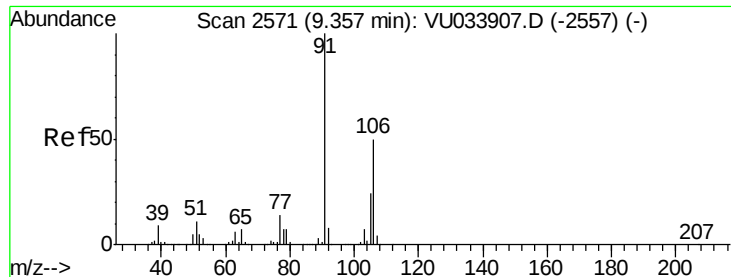
Tgt Ion: 43 Resp: 71101
Ion Ratio Lower Upper
43 100
58 52.4 44.3 66.5
57 20.4 15.3 22.9
100 9.5 9.4 14.2



#49
Dibromochloromethane
Concen: 1.618 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.25 min
Lab File: VU033927.D
Acq: 23 Aug 2019 02:10

Tgt Ion: 129 Resp: 7988
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.3#





#53

m,p-Xylene

Concen: 1.149 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Instrument :

MSVOA_U

ClientSampleId :

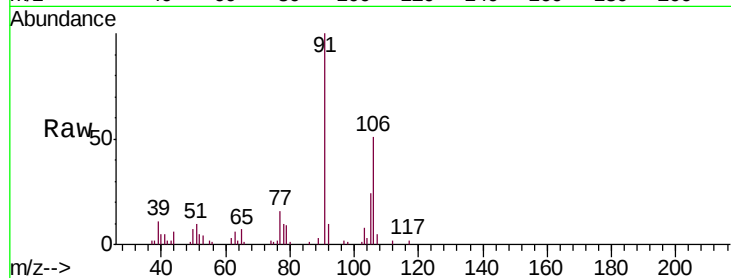
F2B75

Tgt Ion: 106 Resp: 8394

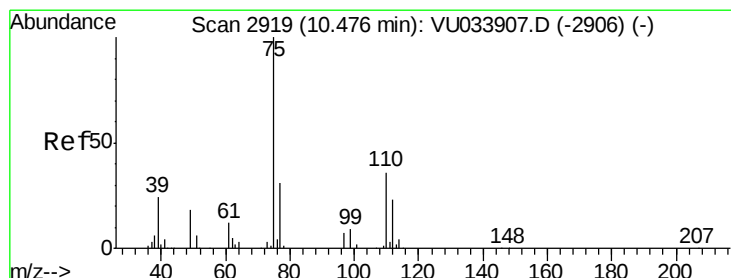
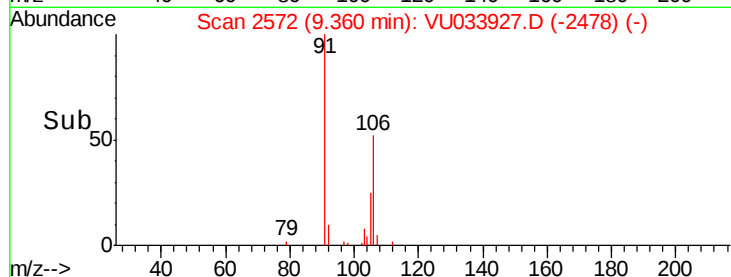
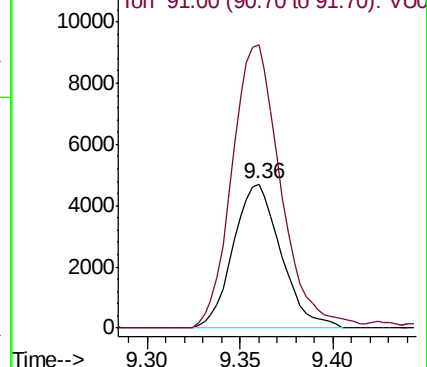
Ion Ratio Lower Upper

106 100

91 196.6 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): VU033927.D (-2572) (-)



#59

1,2,3-Trichloropropane

Concen: 5.552 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033927.D

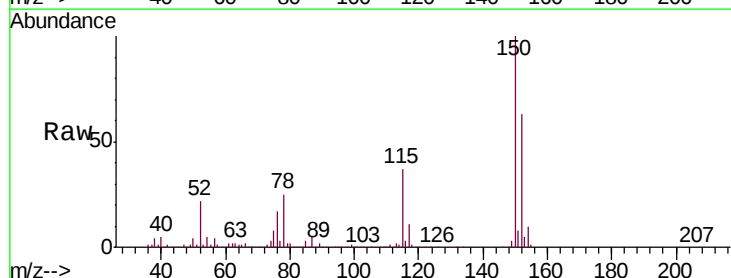
Acq: 23 Aug 2019 02:10

Tgt Ion: 75 Resp: 34422

Ion Ratio Lower Upper

75 100

77 36.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU033927.D (-3227) (-)

