

Data File : VU033847.D
Acq On : 20 Aug 2019 12:05
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV04

Quant Time: Aug 21 05:44:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 05:39:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	202239	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	208977	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	111026	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	83071	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.67	69	69966	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.26	63	164803	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	4.16	46	163482	47.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.70%
24) Chloroform-d	4.62	84	136444	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.29	65	70888	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.32	84	263844	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.31	67	82401	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.55	98	250805	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	7.83	79	33546	5.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.40%
46) 2-Hexanone-d5	8.30	63	125714	53.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.56%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	68958	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	100994	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	94839	5.175 ug/L	99
3) Chloromethane	1.32	50	94184	5.293 ug/L	99
5) Vinyl chloride	1.39	62	102760	5.133 ug/L	99
6) Bromomethane	1.62	94	64452	4.916 ug/L	100
8) Chloroethane	1.69	64	61262	5.214 ug/L	98
9) Trichlorofluoromethane	1.87	101	130823	5.141 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	75203	5.104 ug/L	99
12) 1,1-Dichloroethene	2.27	96	70177	5.017 ug/L	94
13) Acetone	2.31	43	131706	50.421 ug/L	99
14) Carbon disulfide	2.46	76	243832	5.072 ug/L	98
15) Methyl Acetate	2.60	43	32788	5.010 ug/L	99
16) Methylene chloride	2.68	84	78917	4.808 ug/L	97
17) Methyl tert-butyl Ether	2.98	73	179111	5.104 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	76491	4.963 ug/L	98
19) 1,1-Dichloroethane	3.42	63	116702	5.222 ug/L	98
21) 2-Butanone	4.25	43	153541	54.817 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	63733	5.258 ug/L	96

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VICV04

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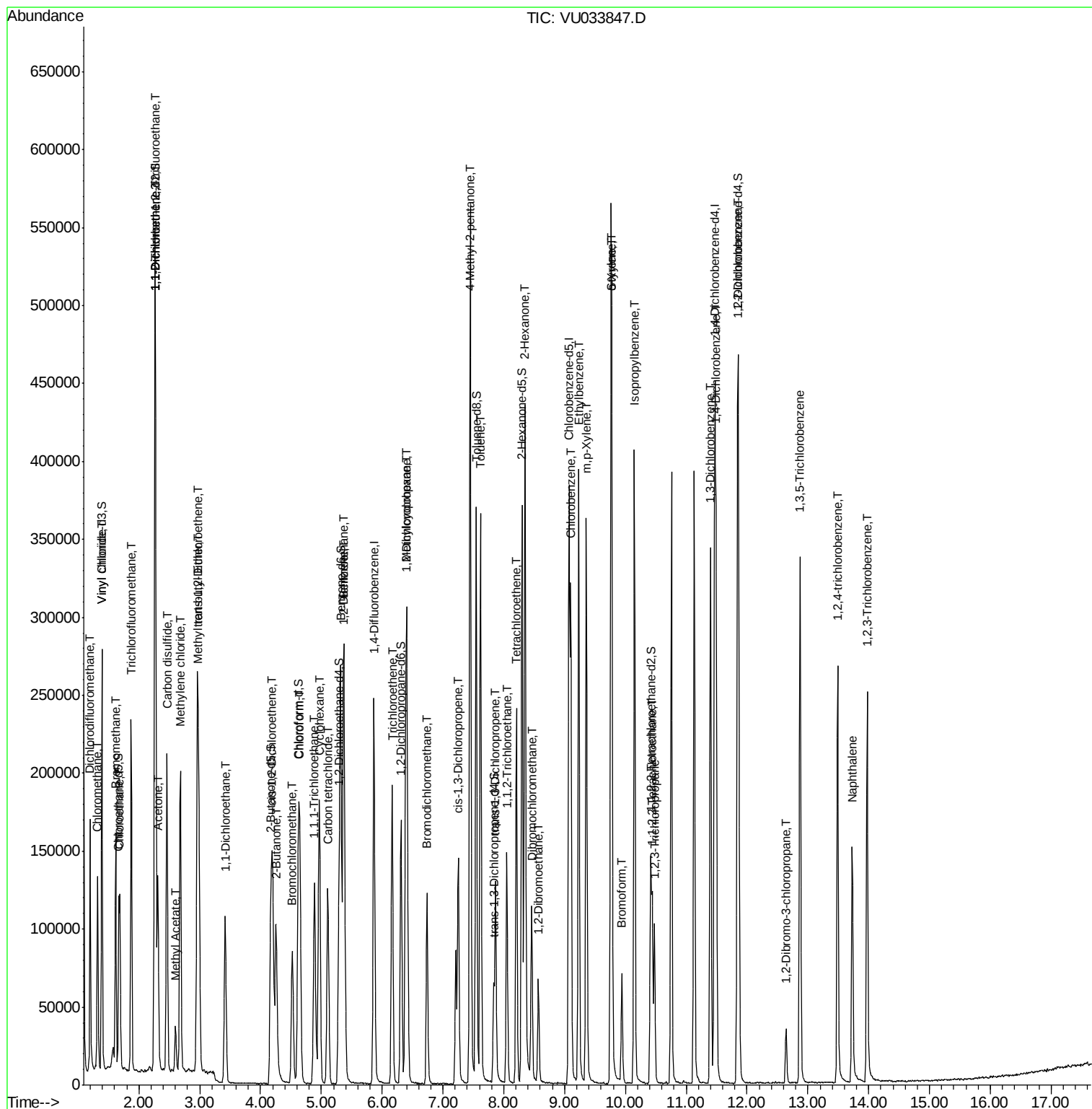
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	29913	5.104	ug/L	96
25) Chloroform	4.65	83	120941	4.786	ug/L	96
27) 1,2-Dichloroethane	5.38	62	73642	5.133	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	98792	5.216	ug/L	98
30) Cyclohexane	4.97	56	86182	5.388	ug/L	97
31) Carbon tetrachloride	5.11	117	90981	5.327	ug/L	96
33) Benzene	5.36	78	247351	5.394	ug/L	100
34) Trichloroethene	6.16	95	64826	5.269	ug/L	95
35) Methylcyclohexane	6.39	83	92668	5.390	ug/L	99
37) 1,2-Dichloropropane	6.41	63	65586	5.405	ug/L	99
38) Bromodichloromethane	6.74	83	81580	5.220	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	89146	5.560	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	356035	55.403	ug/L	99
42) Toluene	7.62	91	266167	5.666	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	73401	5.474	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	45693	5.262	ug/L	97
47) Tetrachloroethene	8.21	164	53691	5.320	ug/L	97
48) 2-Hexanone	8.35	43	269438	57.381	ug/L	100
49) Dibromochloromethane	8.46	129	57521	5.305	ug/L	93
50) 1,2-Dibromoethane	8.57	107	45608	5.494	ug/L	97
51) Chlorobenzene	9.10	112	166794	5.369	ug/L	98
52) Ethylbenzene	9.23	91	264982	5.636	ug/L	99
53) m,p-Xylene	9.36	106	101646	5.759	ug/L	98
54) o-Xylene	9.76	106	99619	5.886	ug/L	96
55) Styrene	9.77	104	171281	5.839	ug/L	100
56) Isopropylbenzene	10.15	105	257376	5.877	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	56667	5.198	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	40710	5.120	ug/L	99
61) Bromoform	9.94	173	32830	5.353	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	138713	5.624	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	145032	5.719	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	134272	5.625	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	9439	5.590	ug/L	88
67) 1,3,5-Trichlorobenzene	12.87	180	110031	5.877	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	86769	6.368	ug/L	100
69) Naphthalene	13.73	128	133660	6.754	ug/L	98
70) 1,2,3-Trichlorobenzene	13.97	180	83316	6.432	ug/L	99

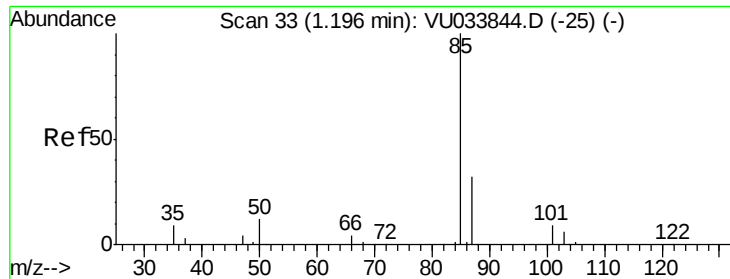
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.175 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

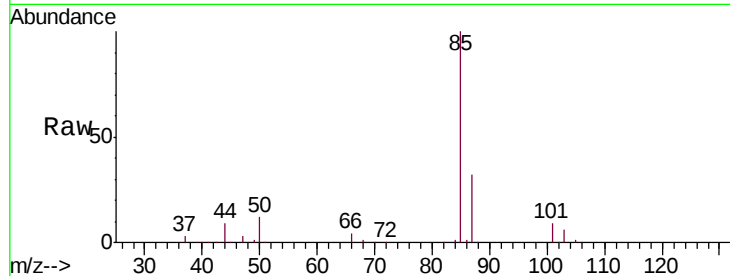
VICV04

Tgt Ion: 85 Resp: 94839

Ion Ratio Lower Upper

85 100

87 32.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU033847.D (-25) (-)

Ion 87.00 (86.70 to 87.70): VU033847.D (-25) (-)

1.20

100000

80000

60000

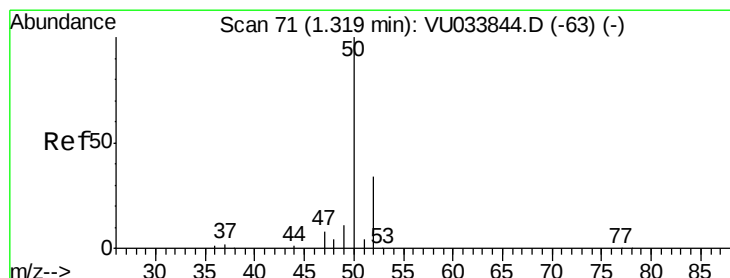
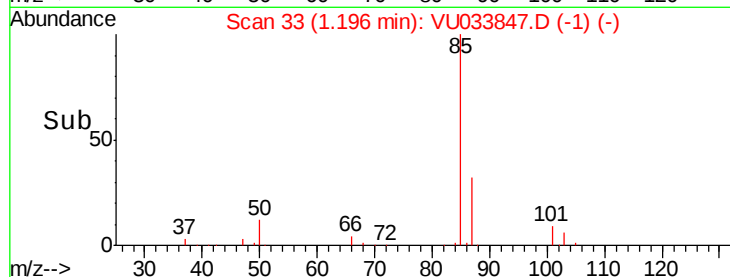
40000

20000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 5.293 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033847.D

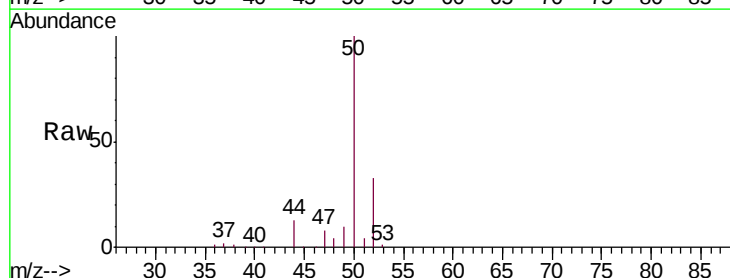
Acq: 20 Aug 2019 12:05

Tgt Ion: 50 Resp: 94184

Ion Ratio Lower Upper

50 100

52 33.5 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU033847.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU033847.D (-63) (-)

1.32

80000

60000

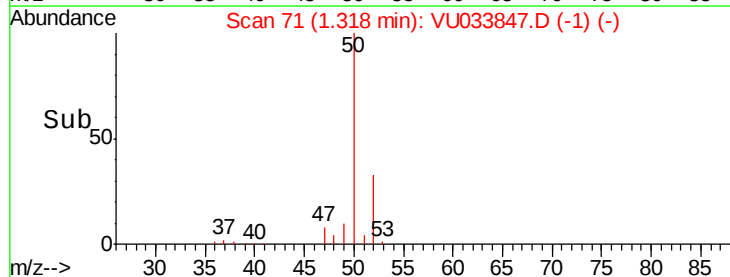
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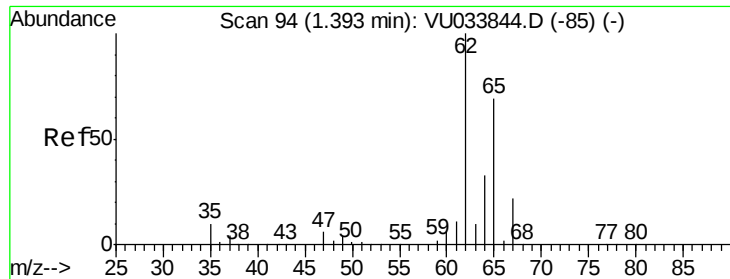
20000

0

1.25 1.30 1.35

Time-->





#5

Vinyl chloride

Concen: 5.133 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

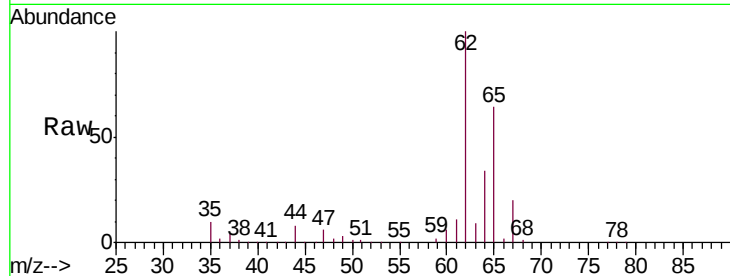
VICV04

Tgt Ion: 62 Resp: 102760

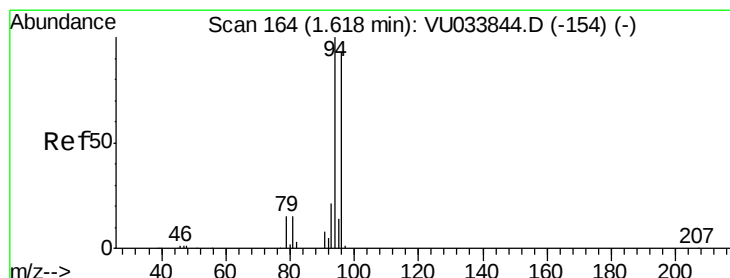
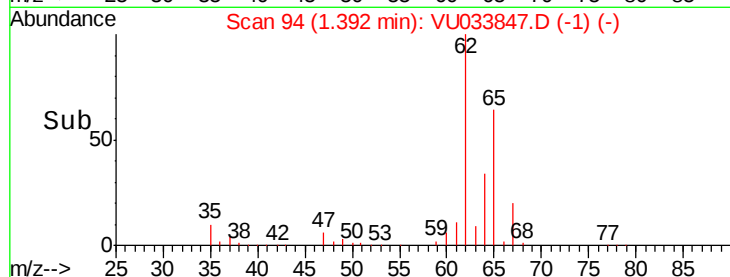
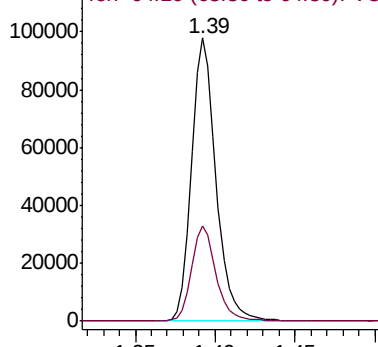
Ion Ratio Lower Upper

62 100

64 33.6 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU033847.D (-85) (-)



#6

Bromomethane

Concen: 4.916 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033847.D

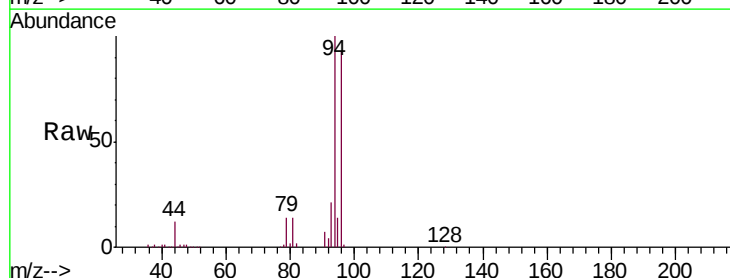
Acq: 20 Aug 2019 12:05

Tgt Ion: 94 Resp: 64452

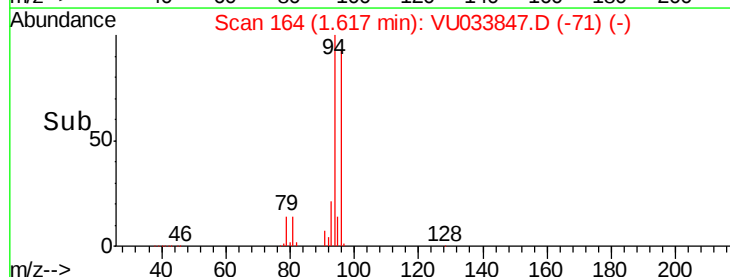
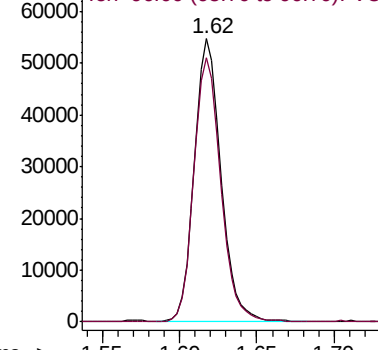
Ion Ratio Lower Upper

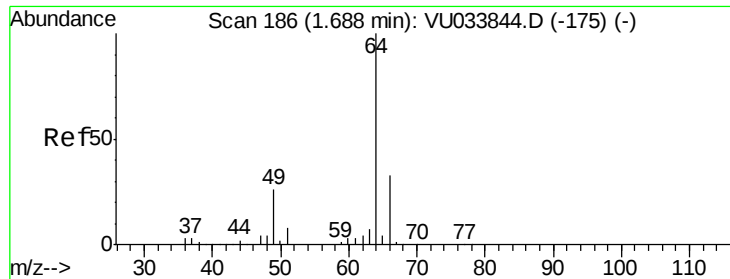
94 100

96 93.3 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU033847.D (-154) (-)

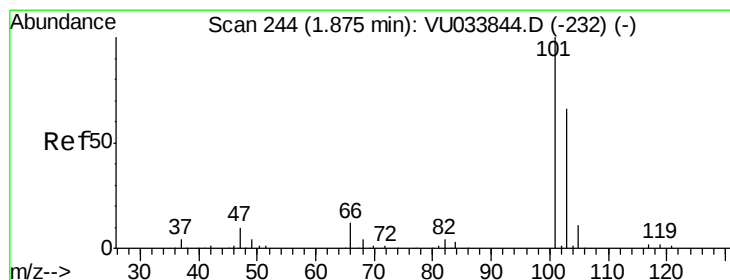
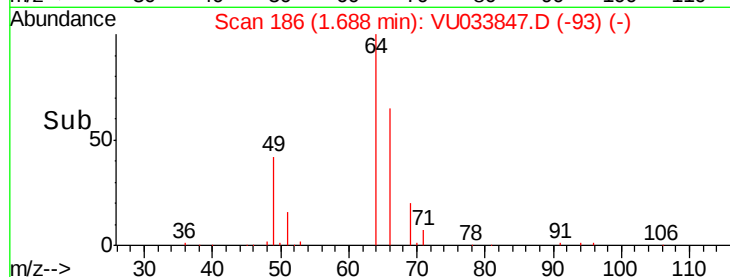
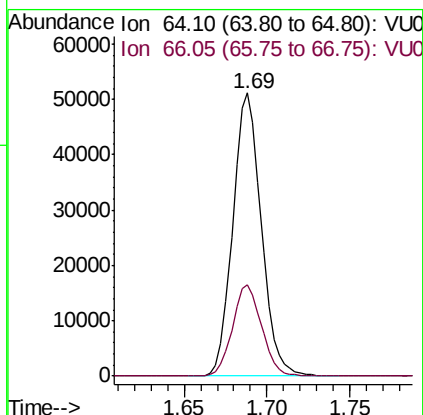
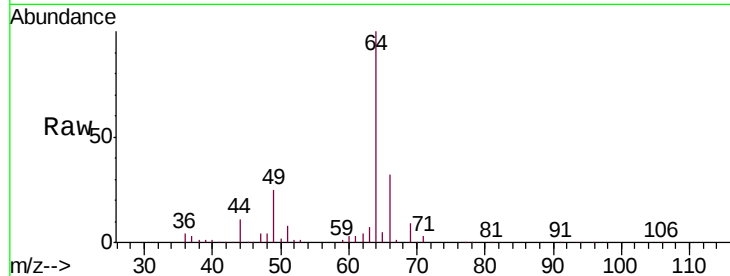




#8
Chloroethane
Concen: 5.214 ug/L
RT: 1.69 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

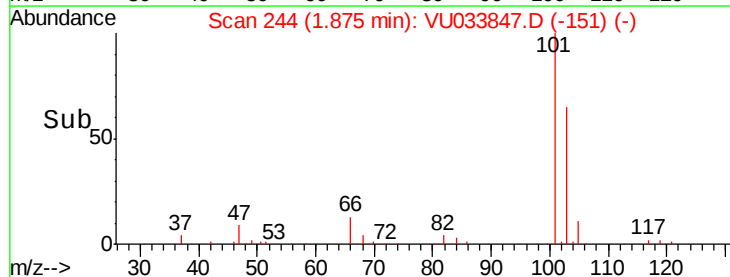
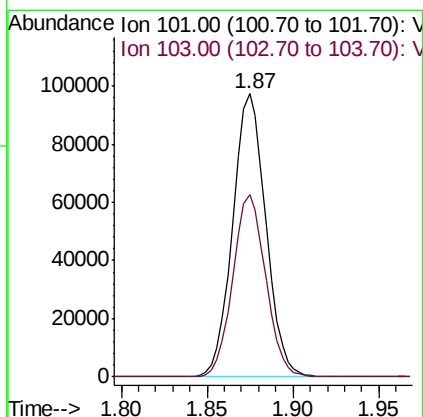
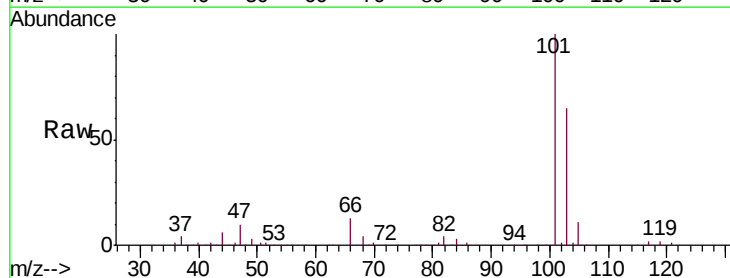
Instrument :
MSVOA_U
ClientSampleId :
VICV04

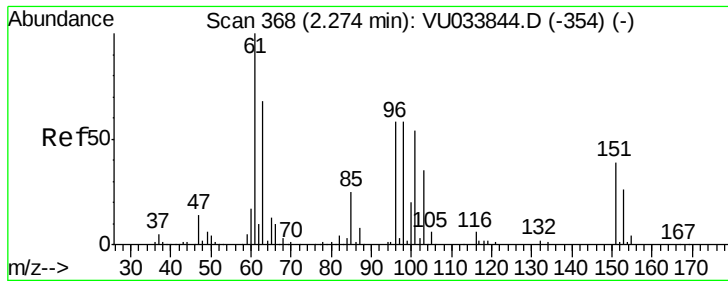
Tgt Ion: 64 Resp: 61262
Ion Ratio Lower Upper
64 100
66 32.4 23.3 43.3



#9
Trichlorofluoromethane
Concen: 5.141 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

Tgt Ion: 101 Resp: 130823
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.2





#10

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

Concen: 5.104 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampled :

VICV04

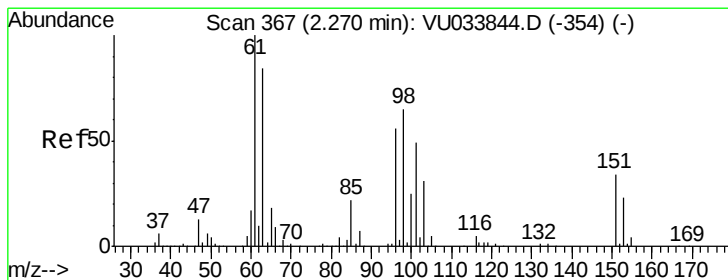
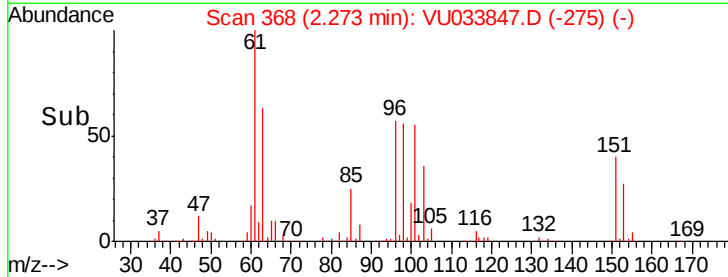
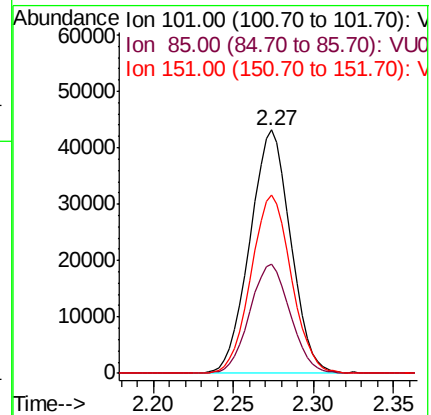
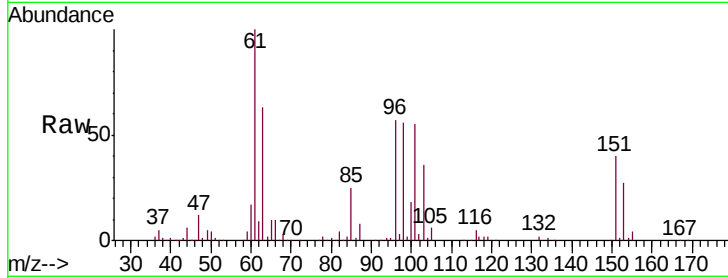
Tgt Ion:101 Resp: 75203

Ion Ratio Lower Upper

101 100

85 44.6 35.7 53.5

151 72.8 57.2 85.8



#12

1,1-Dichloroethene

Concen: 5.017 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

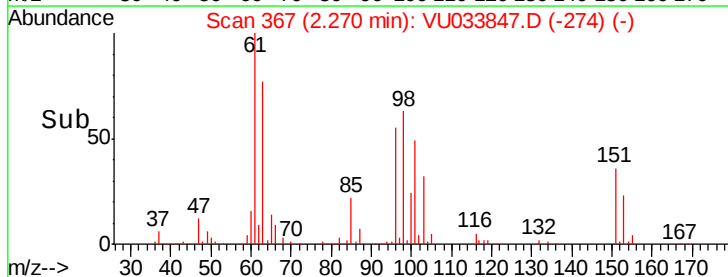
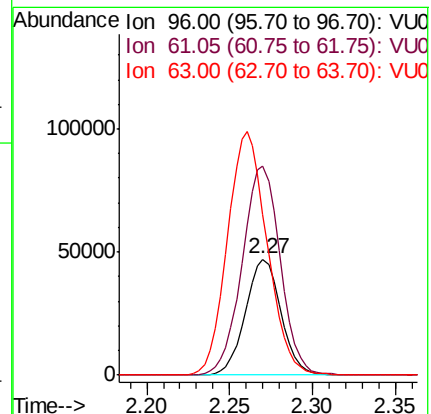
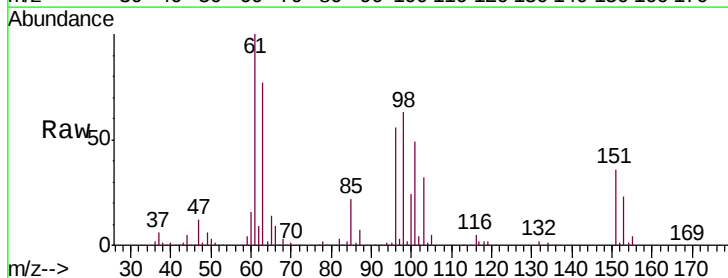
Tgt Ion: 96 Resp: 70177

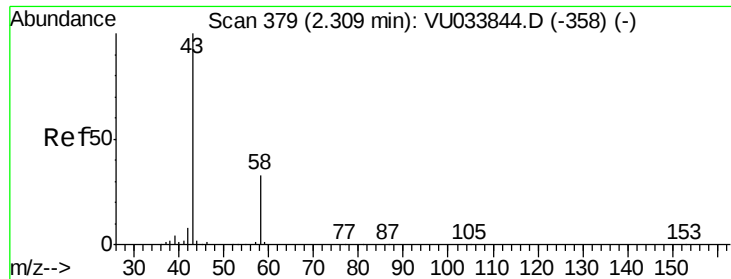
Ion Ratio Lower Upper

96 100

61 179.9 124.3 230.9

63 138.7 106.3 197.3





#13

Acetone

Concen: 50.421 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

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ClientSampleId :

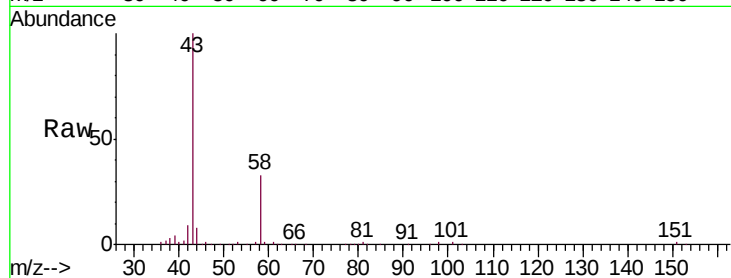
VICV04

Tgt Ion: 43 Resp: 131706

Ion Ratio Lower Upper

43 100

58 33.0 0.0 65.4



Abundance Ion 43.05 (42.75 to 43.75): VU033844.D (-358) (-)

Ion 58.05 (57.75 to 58.75): VU033844.D (-358) (-)

2.31

80000

60000

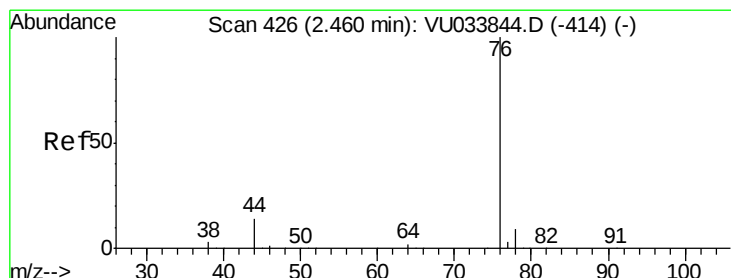
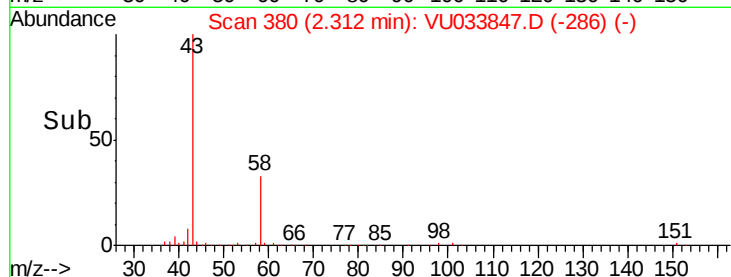
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.072 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033847.D

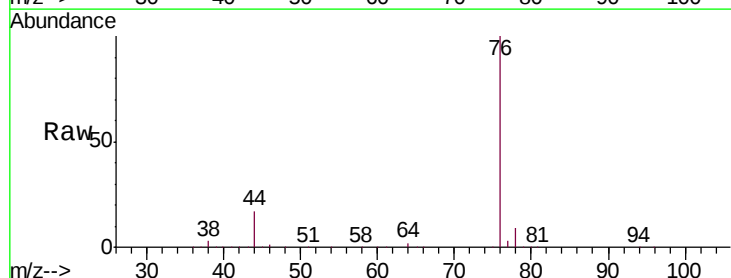
Acq: 20 Aug 2019 12:05

Tgt Ion: 76 Resp: 243832

Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU033844.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033844.D (-414) (-)

2.46

150000

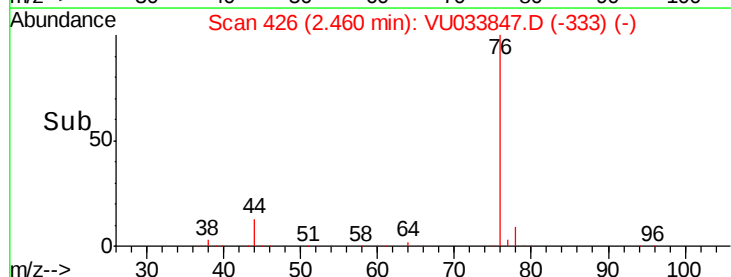
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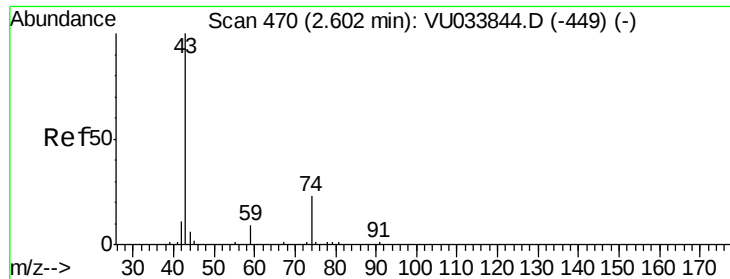
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Time-->

2.40 2.45 2.50 2.55

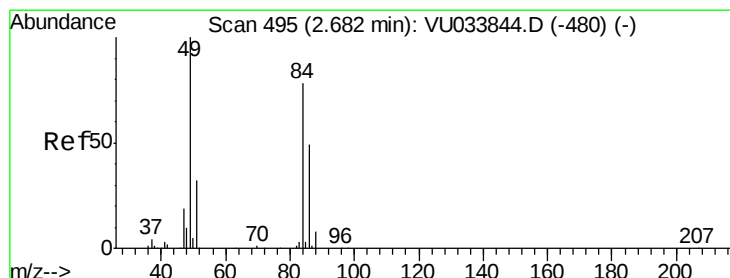
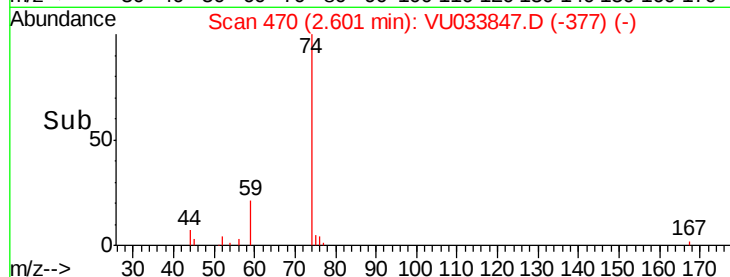
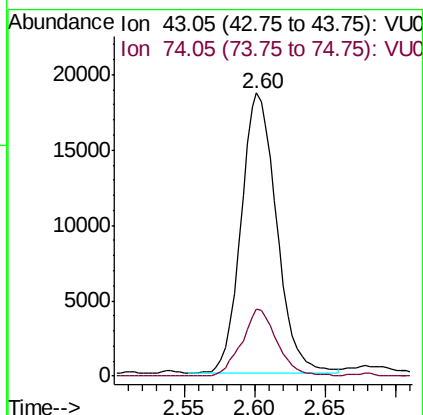
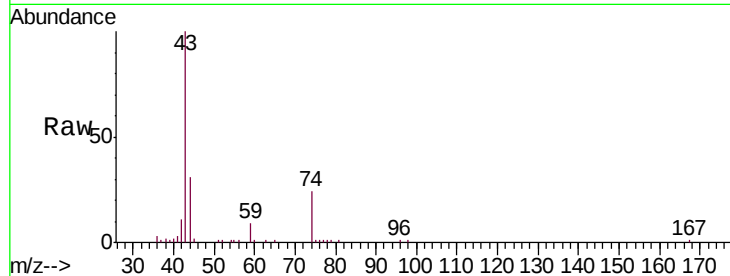




#15
Methyl Acetate
Concen: 5.010 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

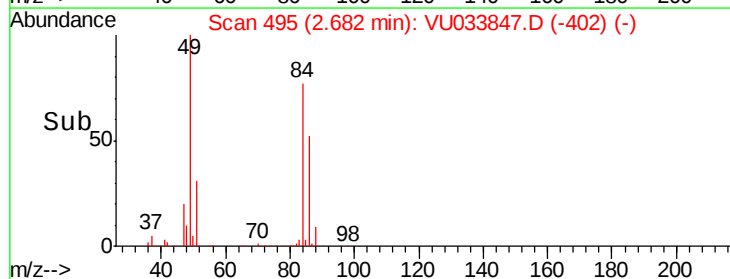
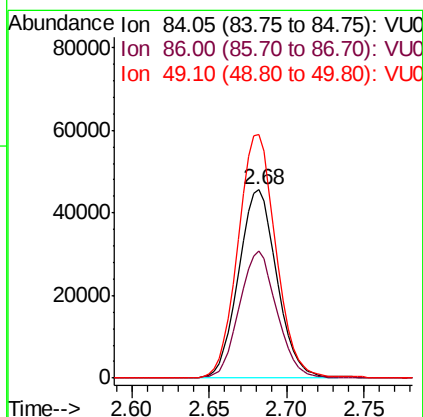
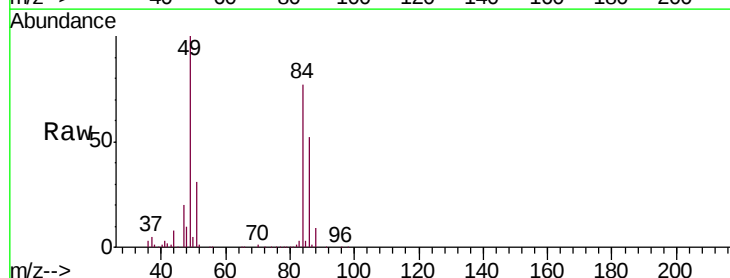
Instrument :
MSVOA_U
ClientSampleId :
VICV04

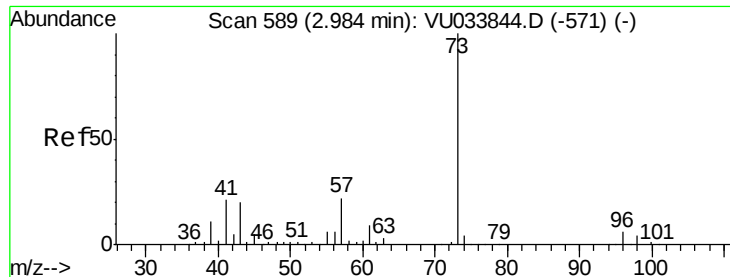
Tgt Ion: 43 Resp: 32788
Ion Ratio Lower Upper
43 100
74 23.7 18.6 28.0



#16
Methylene chloride
Concen: 4.808 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

Tgt Ion: 84 Resp: 78917
Ion Ratio Lower Upper
84 100
86 67.6 43.8 81.3
49 129.4 89.5 166.3

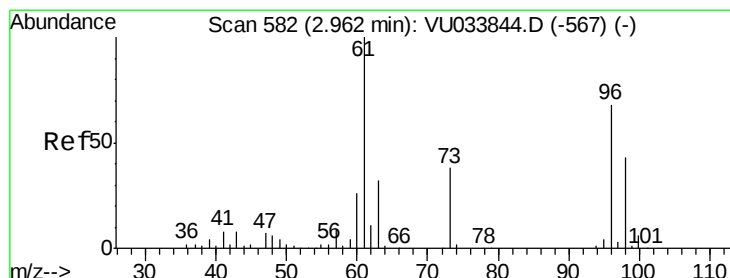
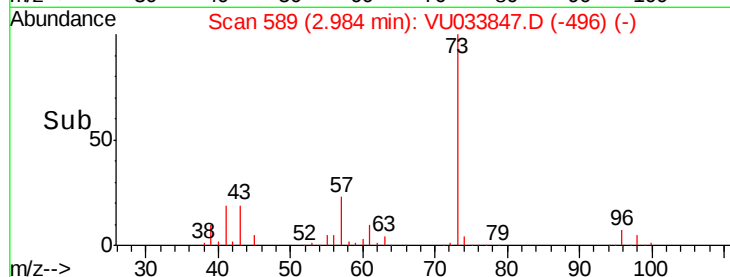
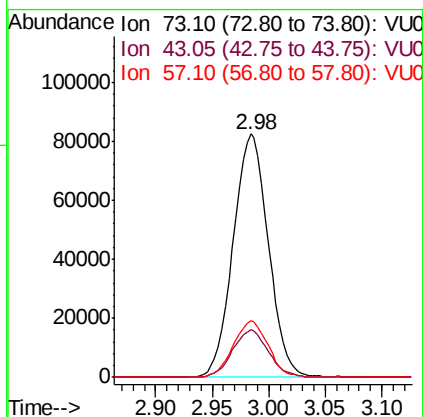
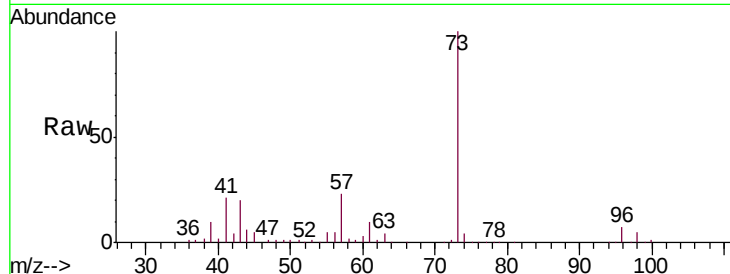




#17
Methyl tert-butyl Ether
Concen: 5.104 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

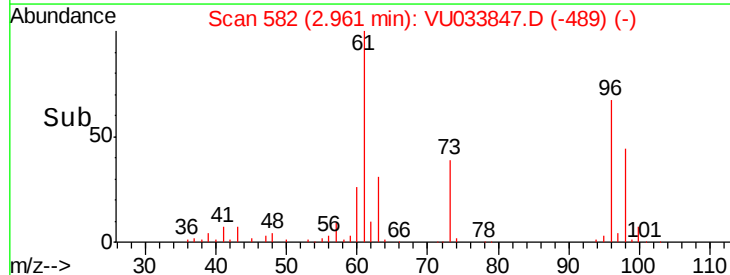
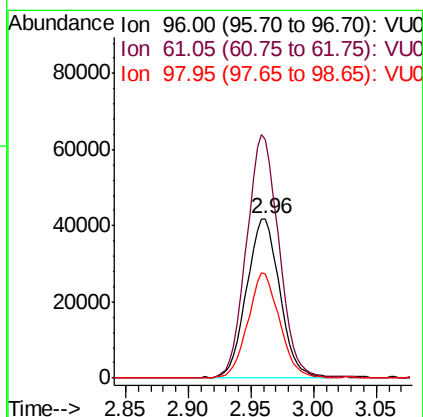
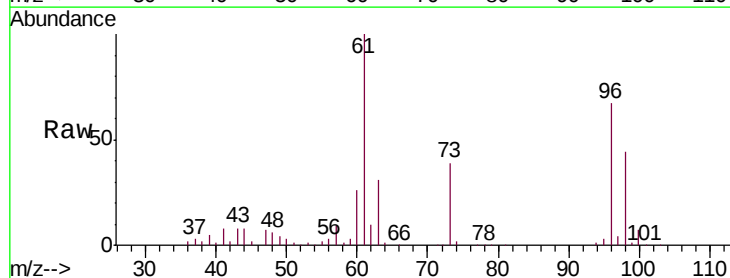
Instrument :
MSVOA_U
ClientSampled :
VICV04

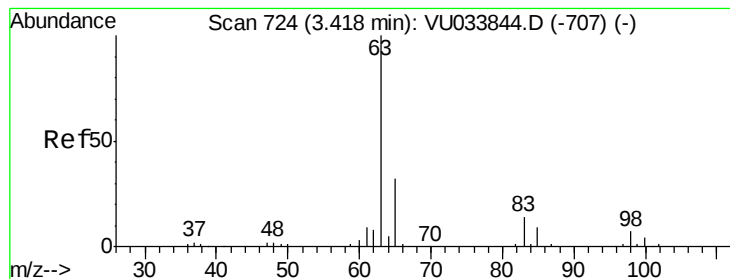
Tgt Ion: 73 Resp: 179111
Ion Ratio Lower Upper
73 100
43 19.3 15.9 23.9
57 23.2 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.963 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

Tgt Ion: 96 Resp: 76491
Ion Ratio Lower Upper
96 100
61 149.5 102.9 191.1
98 65.3 43.8 81.4





#19

1,1-Dichloroethane

Concen: 5.222 ug/L

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

VICV04

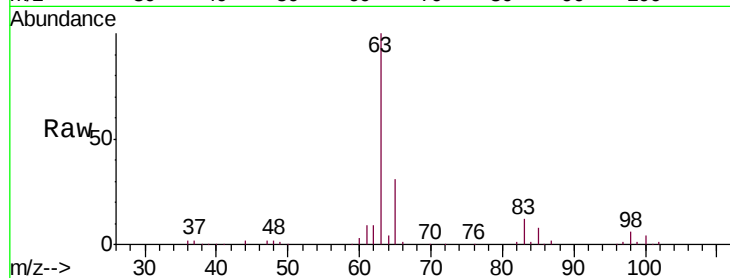
Tgt Ion: 63 Resp: 116702

Ion Ratio Lower Upper

63 100

65 31.2 22.2 41.2

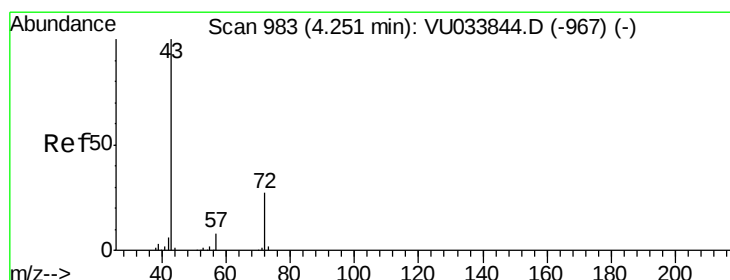
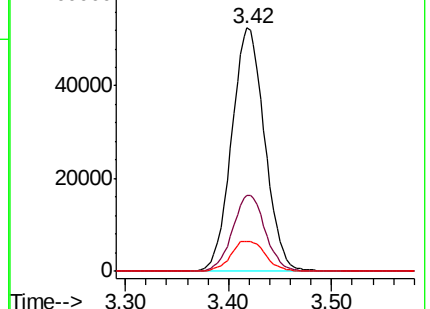
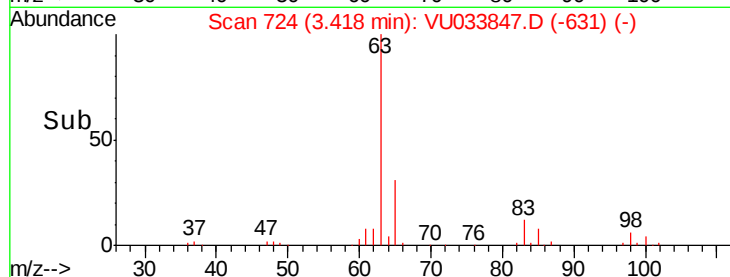
83 12.2 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VU033847.D (-631) (-)

Ion 65.10 (64.80 to 65.80): VU033847.D (-631) (-)

Ion 83.05 (82.75 to 83.75): VU033847.D (-631) (-)



#21

2-Butanone

Concen: 54.817 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU033847.D

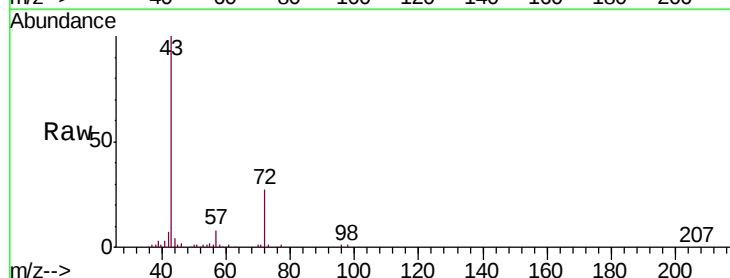
Acq: 20 Aug 2019 12:05

Tgt Ion: 43 Resp: 153541

Ion Ratio Lower Upper

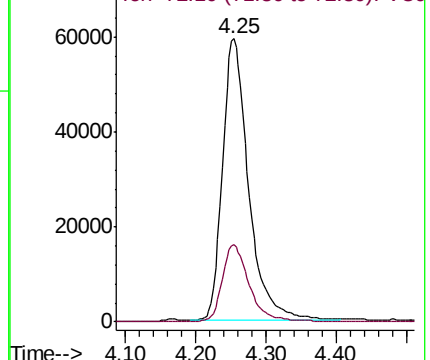
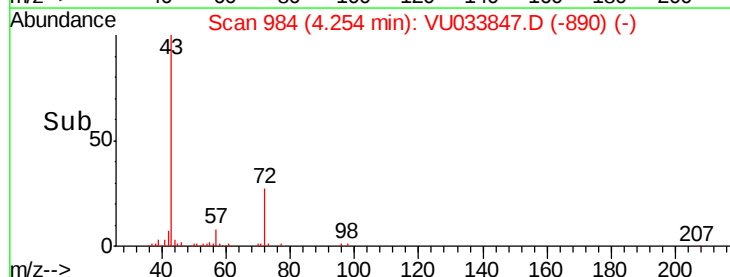
43 100

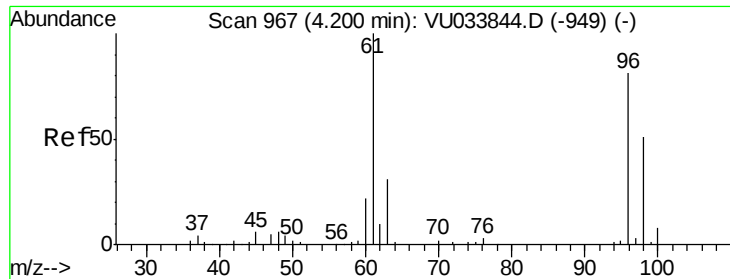
72 28.1 13.7 41.0



Abundance Ion 43.05 (42.75 to 43.75): VU033847.D (-890) (-)

Ion 72.10 (71.80 to 72.80): VU033847.D (-890) (-)



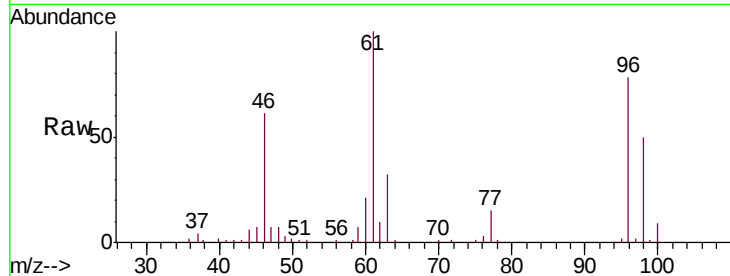


#22

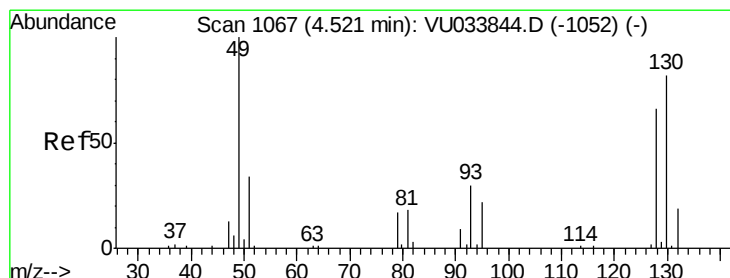
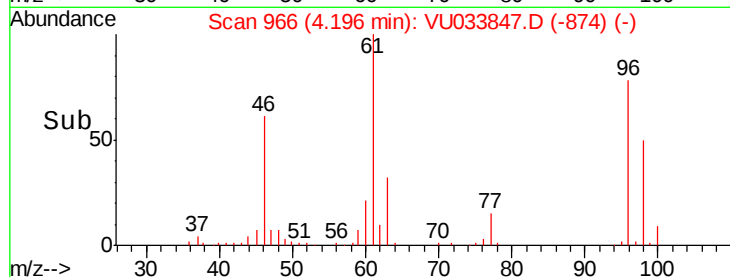
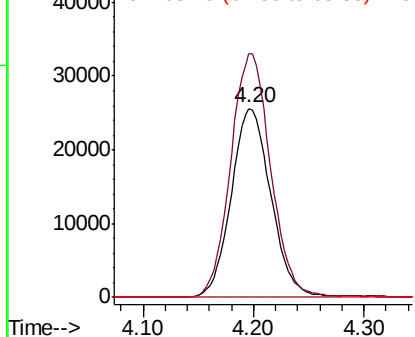
cis-1,2-Dichloroethene
Concen: 5.258 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

Instrument :
MSVOA_U
ClientSampleId :
VICV04

Tgt Ion: 96 Resp: 63733
Ion Ratio Lower Upper
96 100
61 128.7 87.2 161.9
68 0.0 0.0 0.0



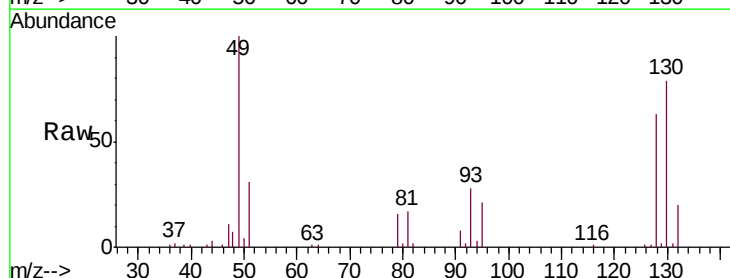
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



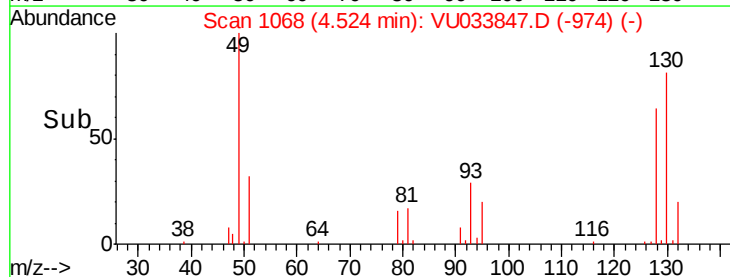
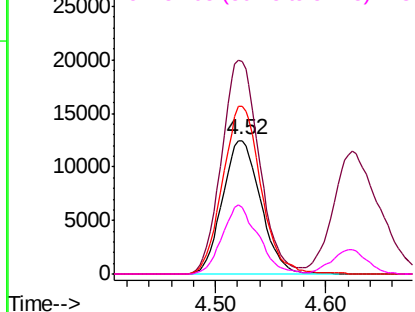
#23

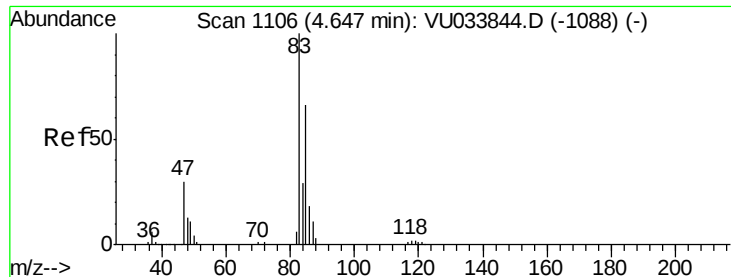
Bromochloromethane
Concen: 5.104 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

Tgt Ion: 128 Resp: 29913
Ion Ratio Lower Upper
128 100
49 159.0 105.6 196.0
130 125.5 86.5 160.6
51 50.1 41.0 61.4



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 4.786 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

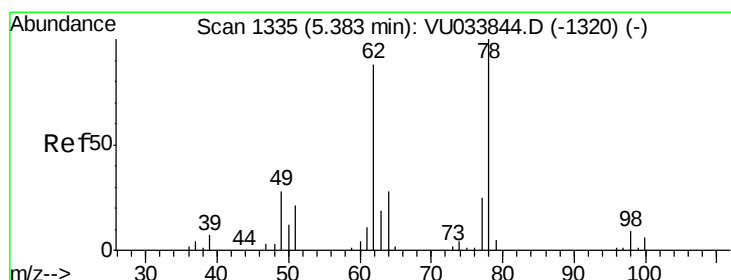
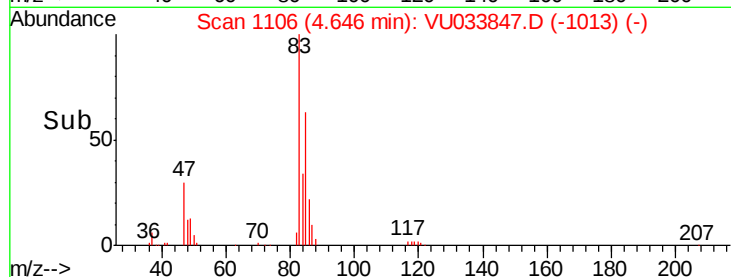
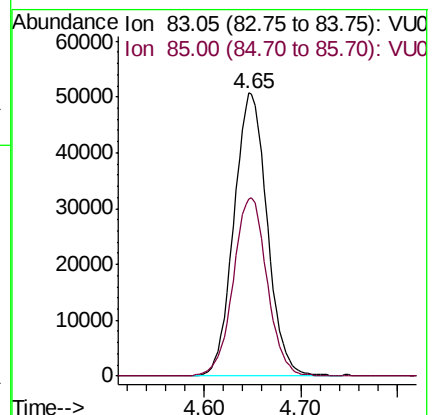
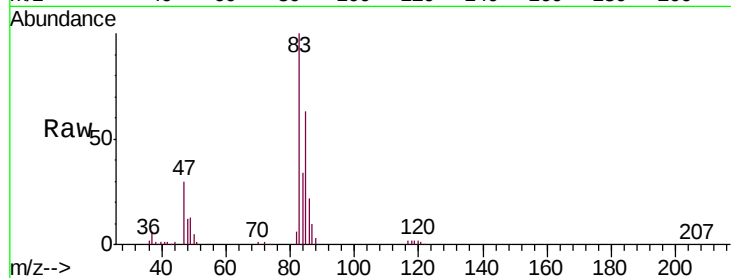
VICV04

Tgt Ion: 83 Resp: 120941

Ion Ratio Lower Upper

83 100

85 62.6 46.3 85.9



#27

1,2-Dichloroethane

Concen: 5.133 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU033847.D

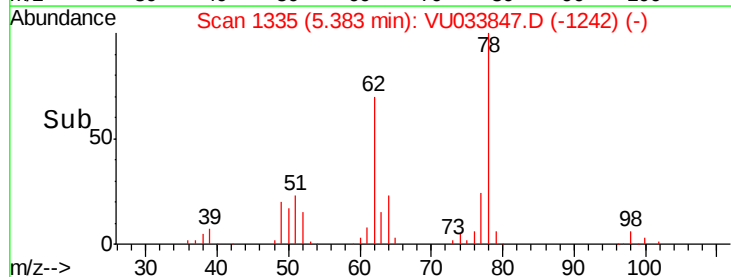
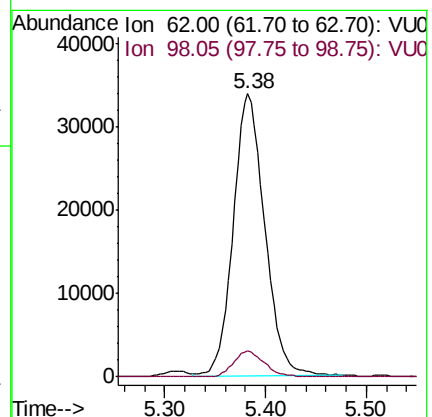
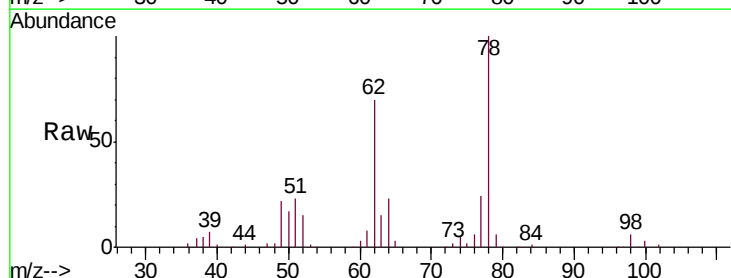
Acq: 20 Aug 2019 12:05

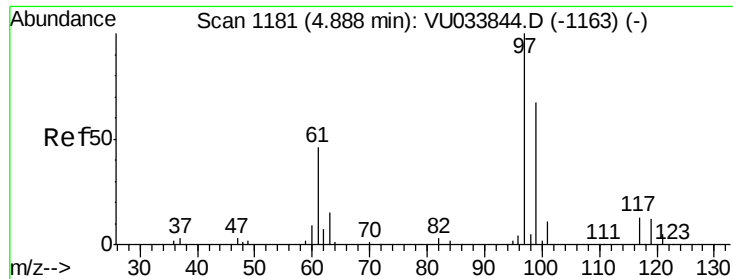
Tgt Ion: 62 Resp: 73642

Ion Ratio Lower Upper

62 100

98 9.2 7.9 11.9

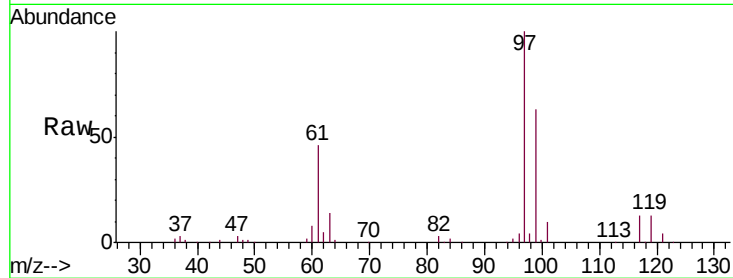




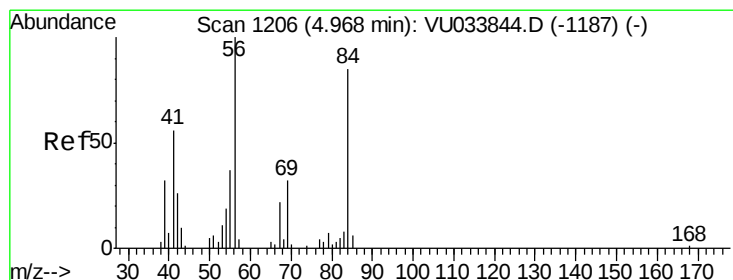
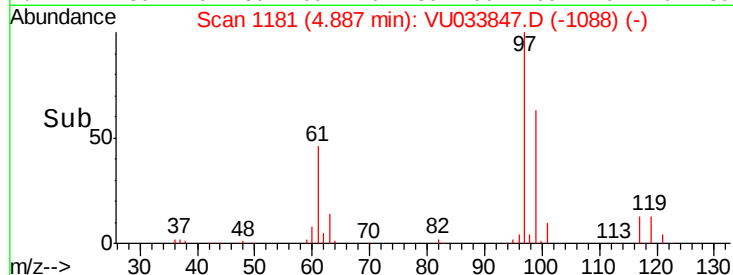
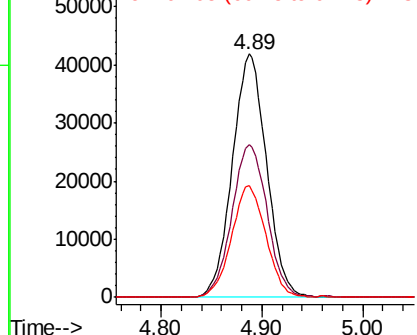
#29
 1,1,1-Trichloroethane
 Concen: 5.216 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU033847.D
 Acq: 20 Aug 2019 12:05

Instrument :
 MSVOA_U
 ClientSampled :
 VICV04

Tgt Ion: 97 Resp: 98792
 Ion Ratio Lower Upper
 97 100
 99 64.5 53.4 80.0
 61 46.0 36.6 55.0

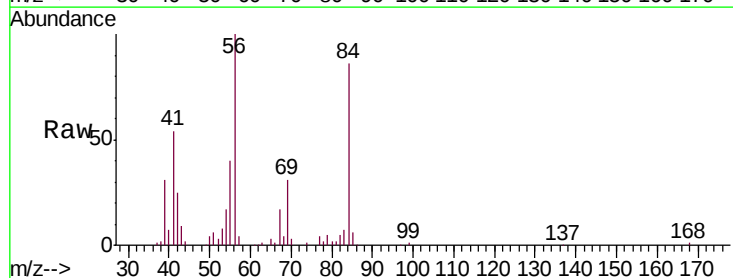


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

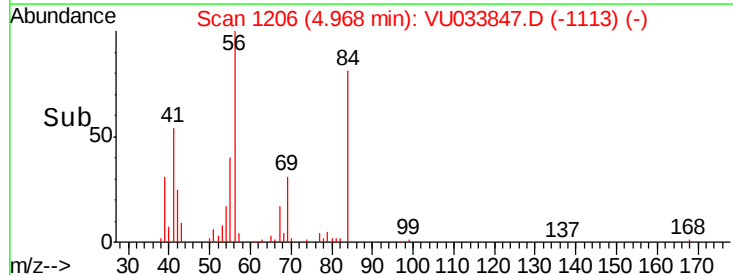
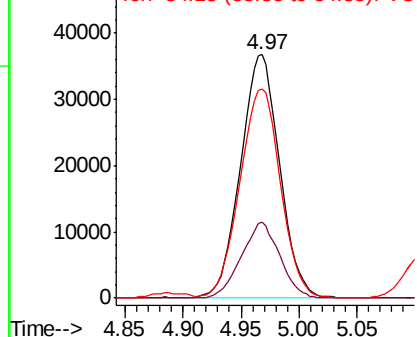


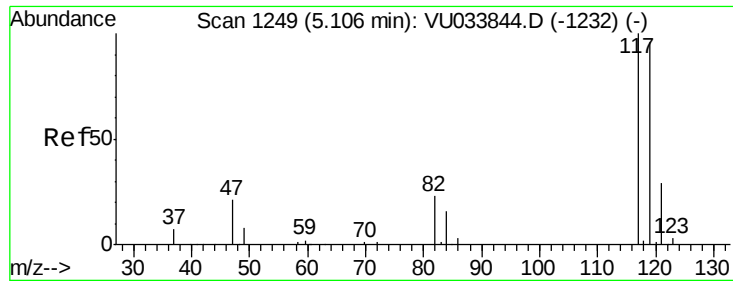
#30
 Cyclohexane
 Concen: 5.388 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VU033847.D
 Acq: 20 Aug 2019 12:05

Tgt Ion: 56 Resp: 86182
 Ion Ratio Lower Upper
 56 100
 69 30.6 25.1 37.7
 84 89.6 69.5 104.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.327 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

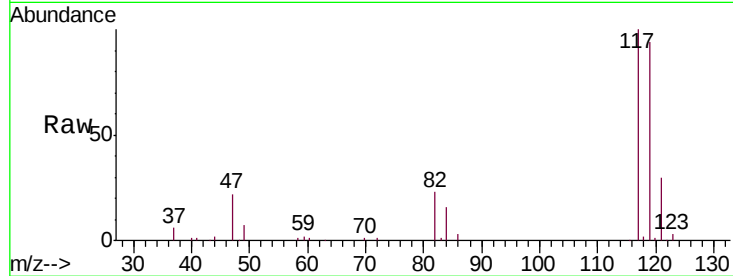
VICV04

Tgt Ion:117 Resp: 90981

Ion Ratio Lower Upper

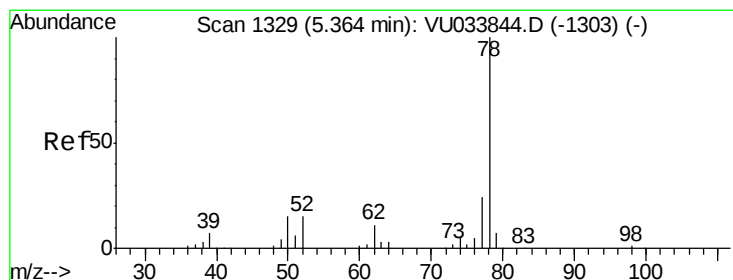
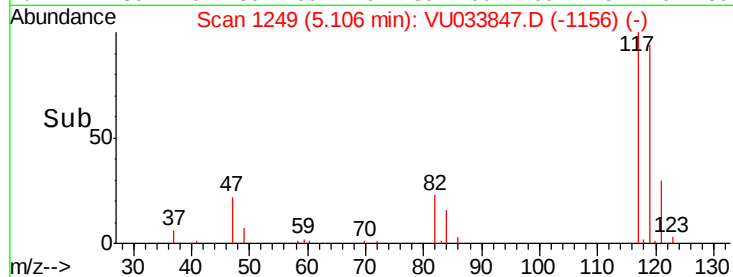
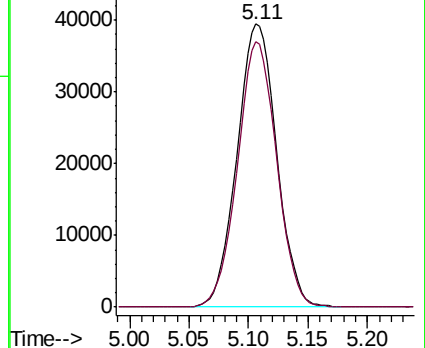
117 100

119 92.6 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.394 ug/L

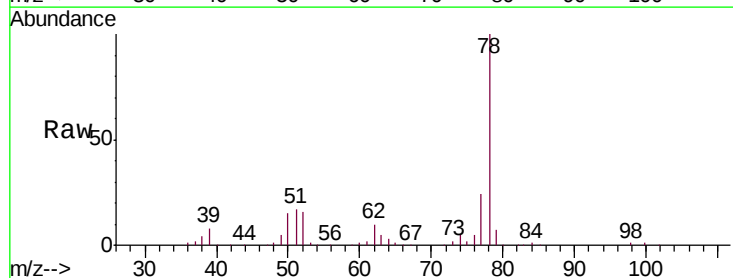
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

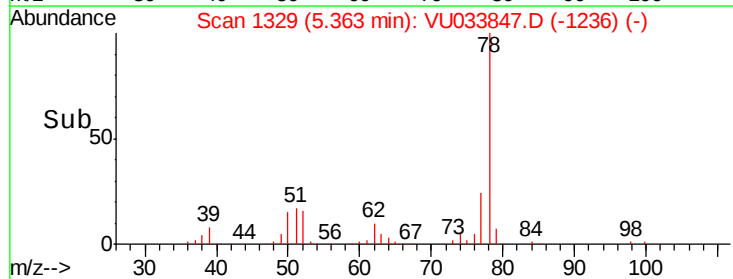
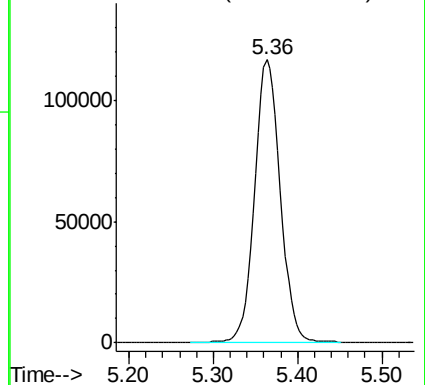
Lab File: VU033847.D

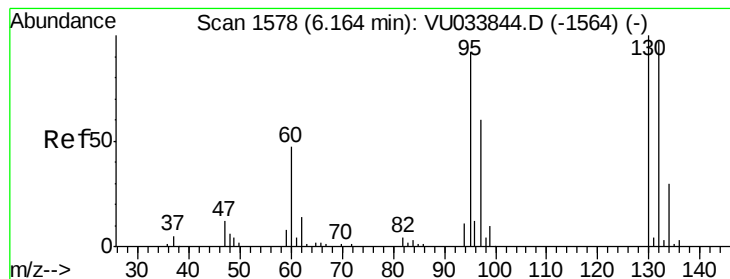
Acq: 20 Aug 2019 12:05

Tgt Ion: 78 Resp: 247351



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.269 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

VICV04

Tgt Ion: 95 Resp: 64826

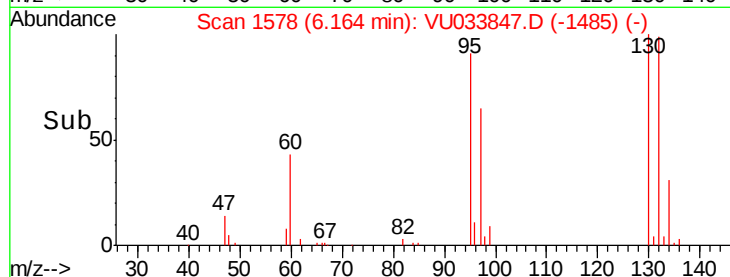
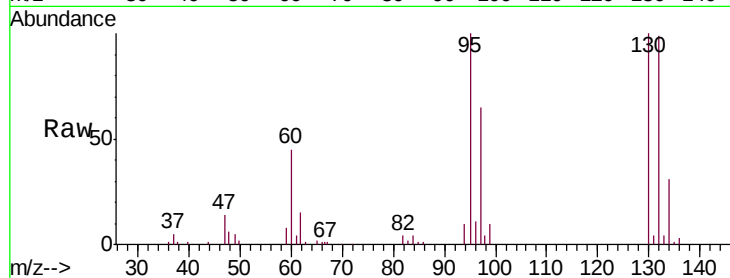
Ion Ratio Lower Upper

95 100

97 65.2 45.6 84.8

132 99.8 73.5 136.5

130 100.4 75.9 141.1



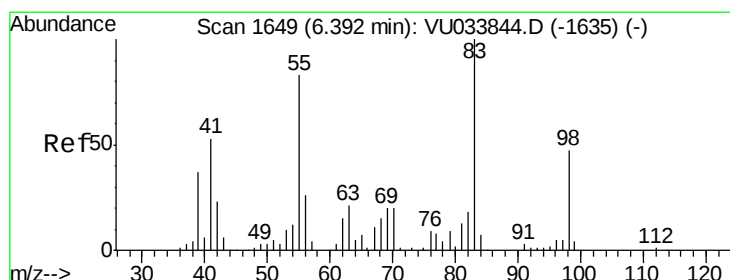
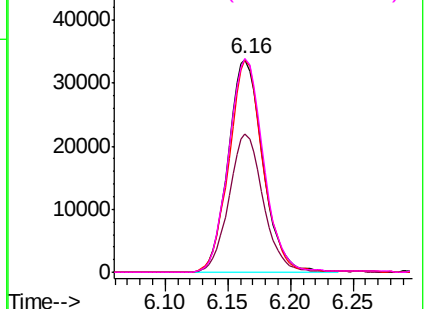
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.390 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

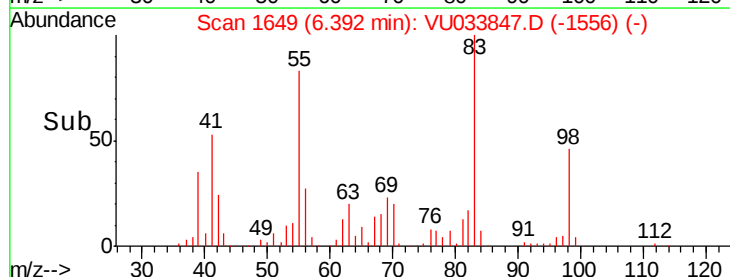
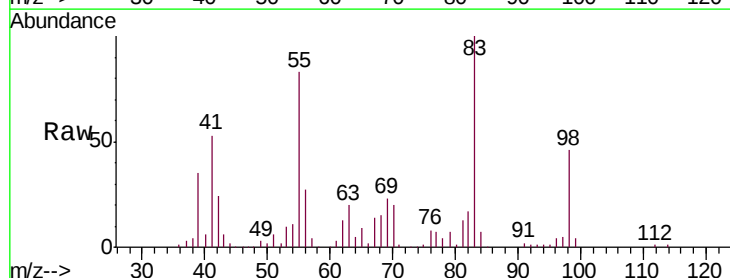
Tgt Ion: 83 Resp: 92668

Ion Ratio Lower Upper

83 100

55 81.9 64.3 96.5

98 47.4 37.4 56.0

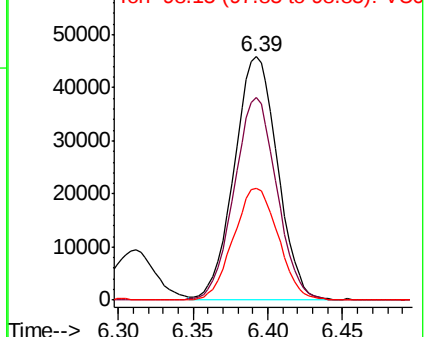


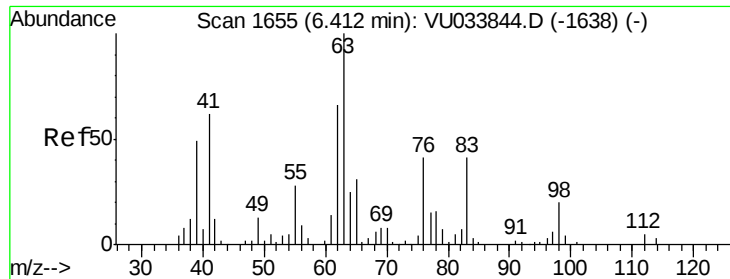
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

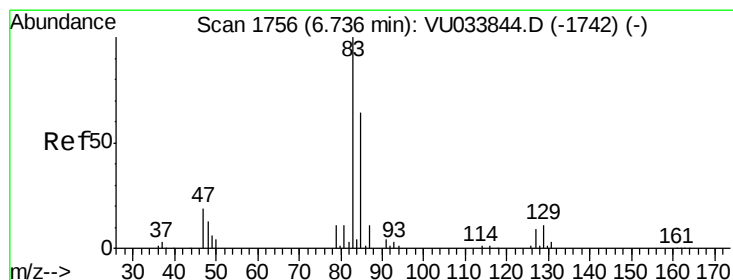
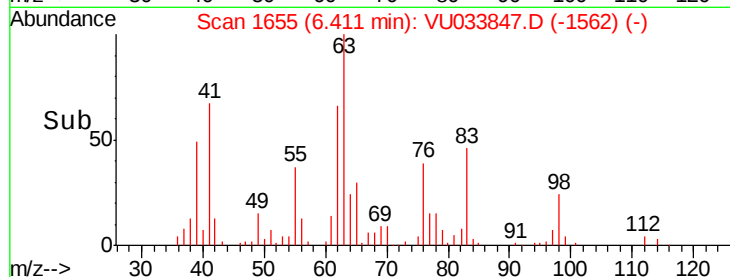
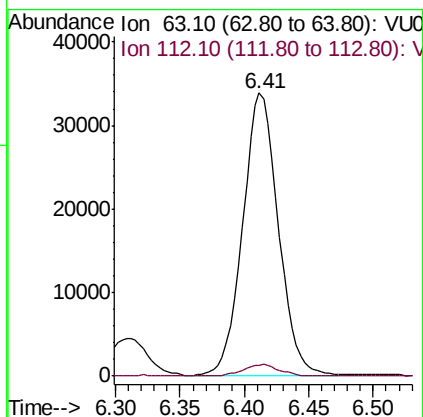
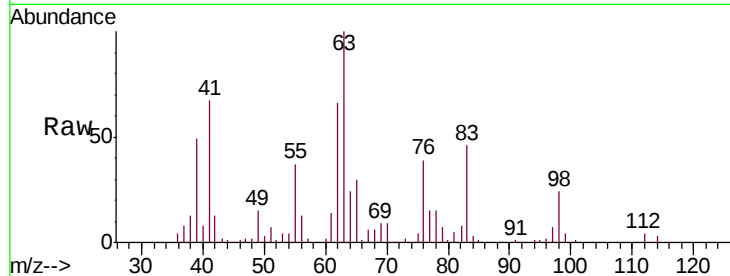




#37
 1,2-Dichloropropane
 Concen: 5.405 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033847.D
 Acq: 20 Aug 2019 12:05

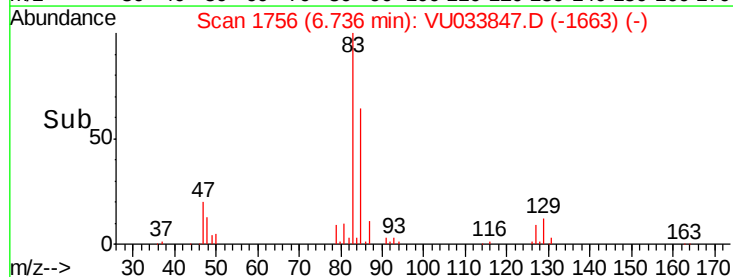
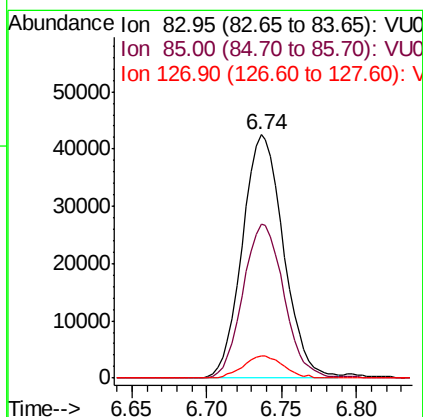
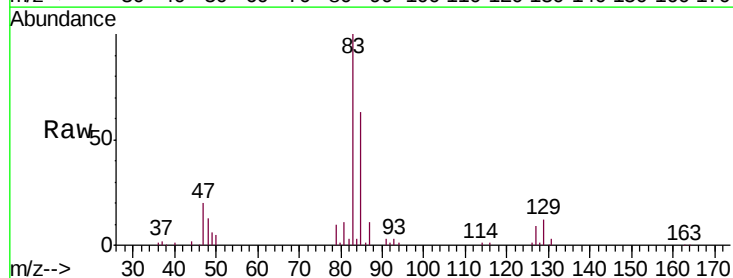
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

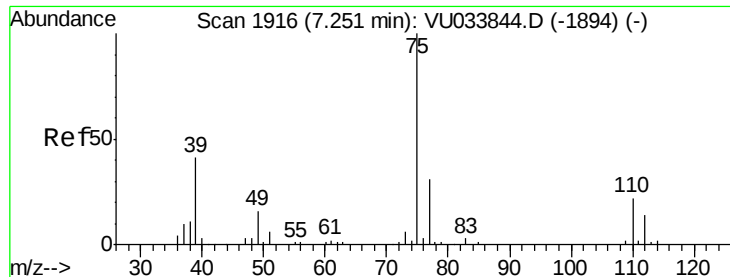
Tgt Ion: 63 Resp: 65586
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.220 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033847.D
 Acq: 20 Aug 2019 12:05

Tgt Ion: 83 Resp: 81580
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.7 83.1
 127 9.4 7.1 10.7

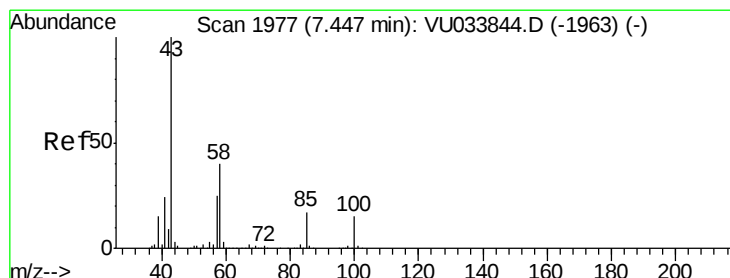
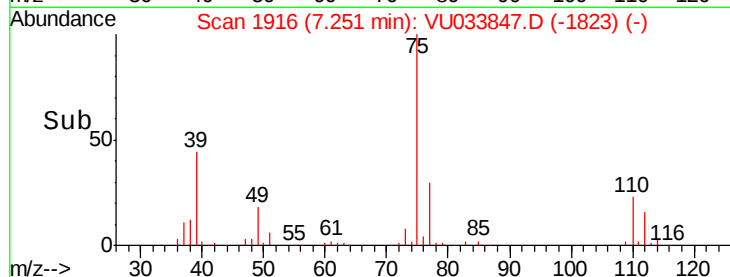
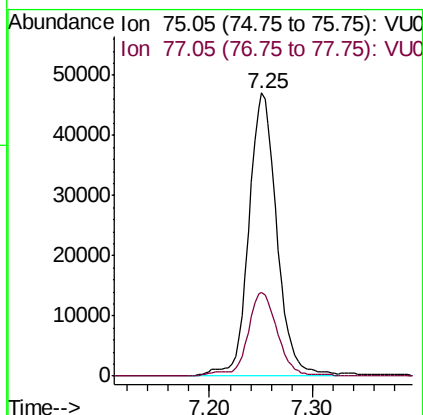
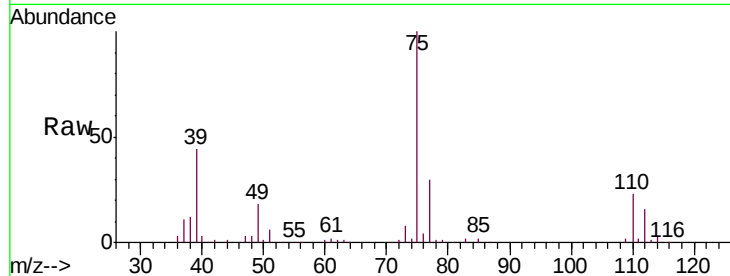




#39
 cis-1,3-Dichloropropene
 Concen: 5.560 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033847.D
 Acq: 20 Aug 2019 12:05

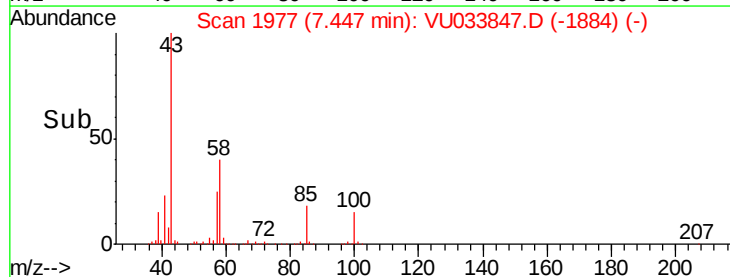
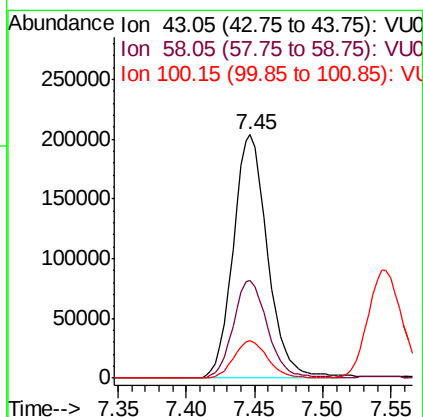
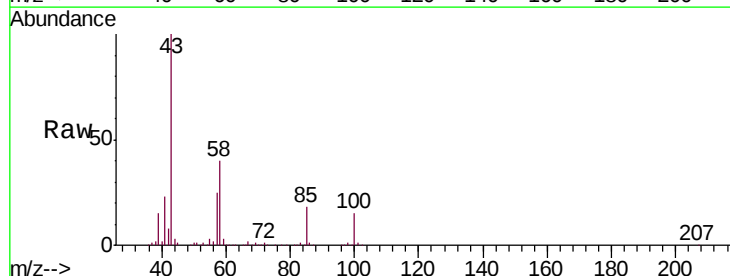
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

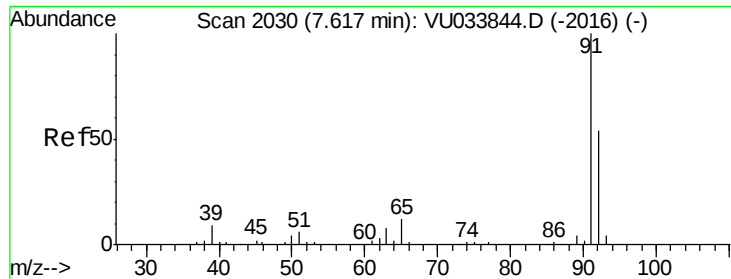
Tgt Ion: 75 Resp: 89146
 Ion Ratio Lower Upper
 75 100
 77 29.7 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 55.403 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: VU033847.D
 Acq: 20 Aug 2019 12:05

Tgt Ion: 43 Resp: 356035
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.0 48.0
 100 15.2 11.8 17.6





#42

Toluene

Concen: 5.666 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

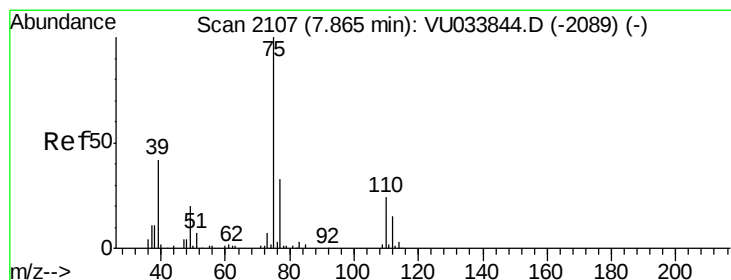
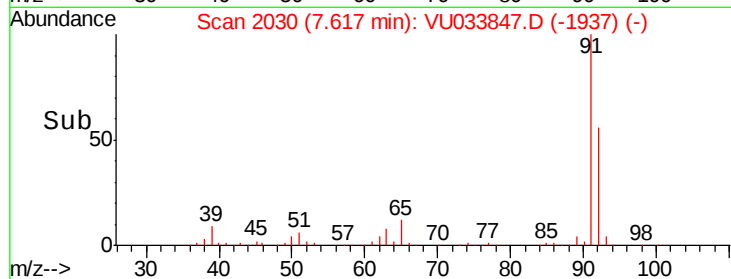
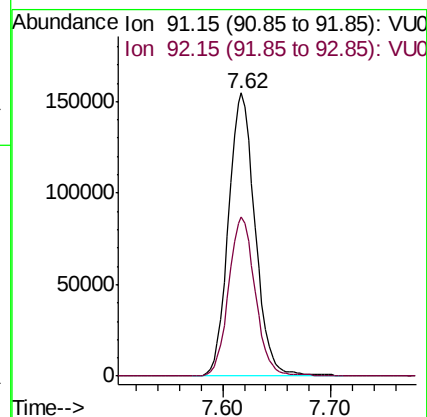
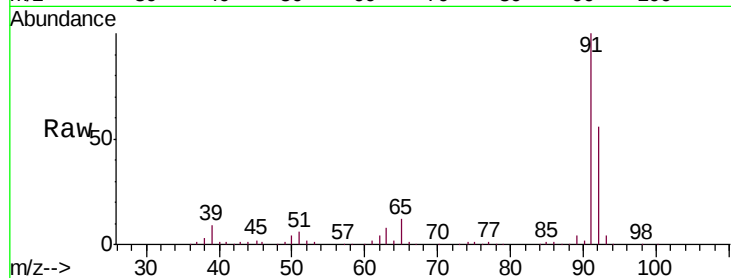
VICV04

Tgt Ion: 91 Resp: 266167

Ion Ratio Lower Upper

91 100

92 56.2 38.1 70.7



#44

trans-1,3-Dichloropropene

Concen: 5.474 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033847.D

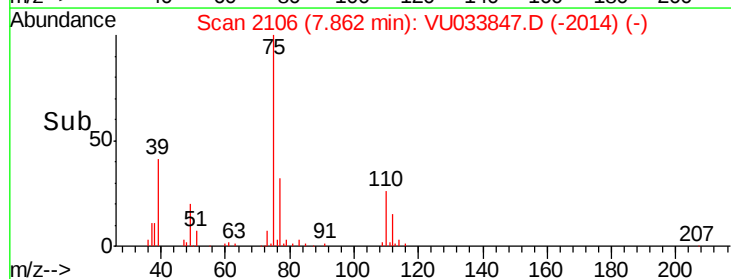
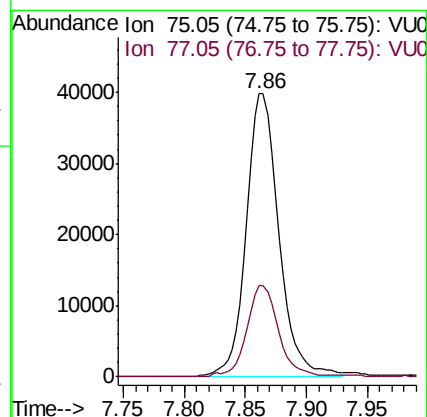
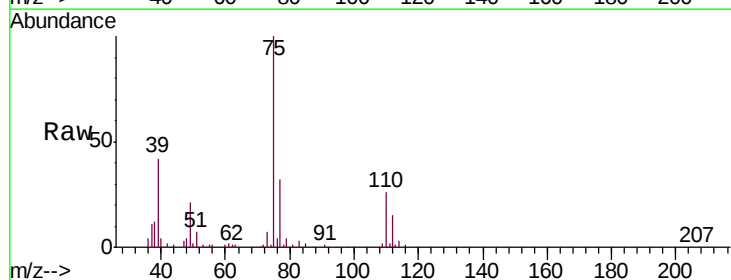
Acq: 20 Aug 2019 12:05

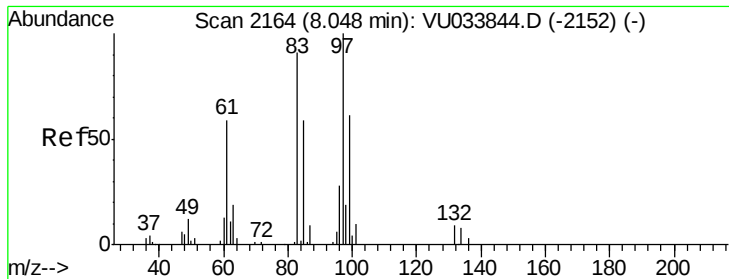
Tgt Ion: 75 Resp: 73401

Ion Ratio Lower Upper

75 100

77 32.2 23.0 42.6

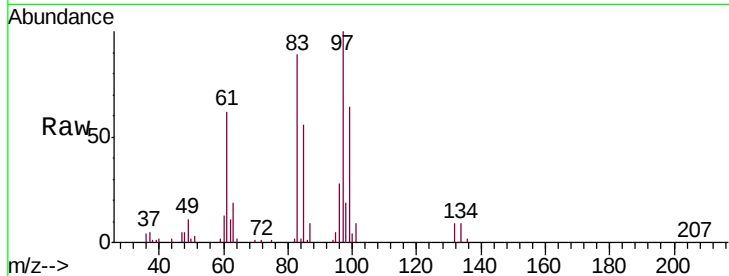




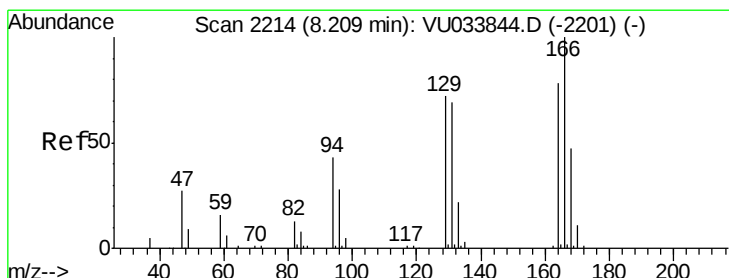
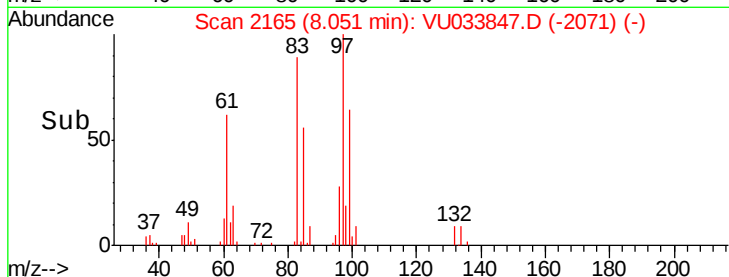
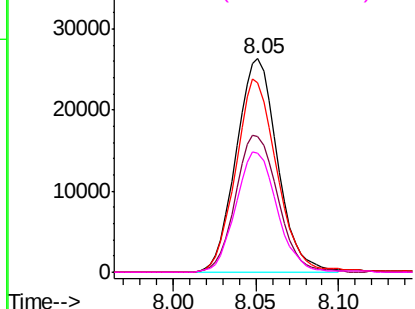
#45
 1,1,2-Trichloroethane
 Concen: 5.262 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033847.D
 Acq: 20 Aug 2019 12:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

Tgt Ion:	97	Resp:	45693
Ion	Ratio	Lower	Upper
97	100		
99	63.7	42.8	79.6
83	88.7	63.6	118.0
85	56.0	41.2	76.6

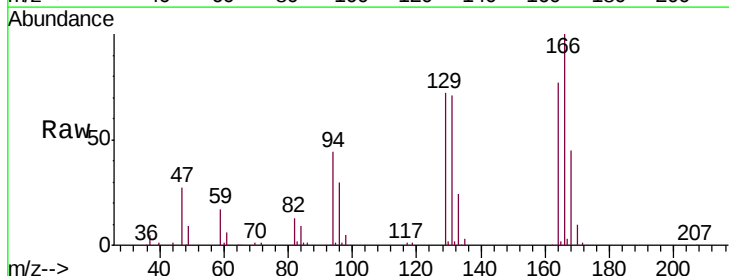


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

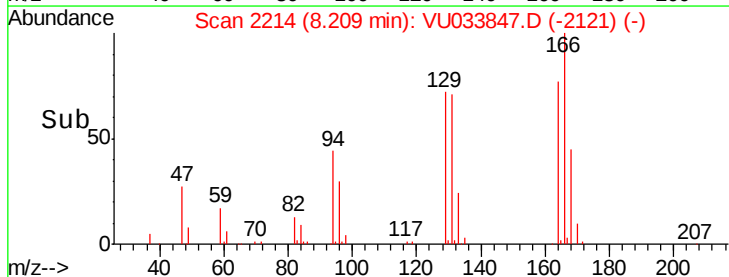
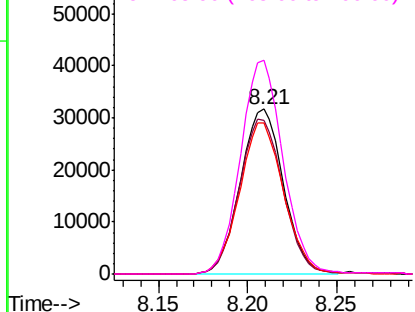


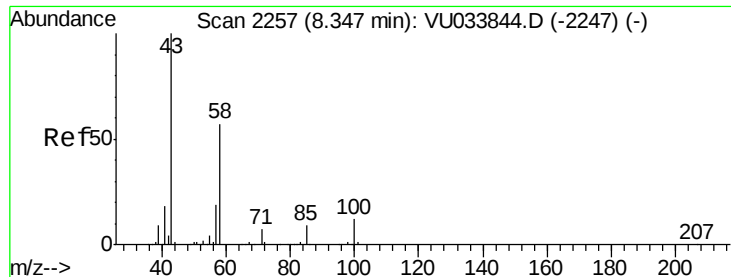
#47
 Tetrachloroethene
 Concen: 5.320 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033847.D
 Acq: 20 Aug 2019 12:05

Tgt Ion:	164	Resp:	53691
Ion	Ratio	Lower	Upper
164	100		
129	93.6	63.9	118.7
131	91.3	61.5	114.1
166	129.5	89.2	165.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

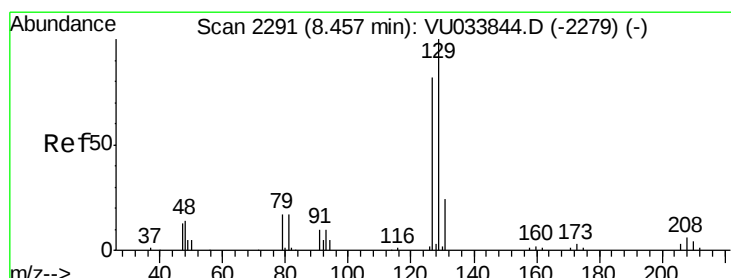
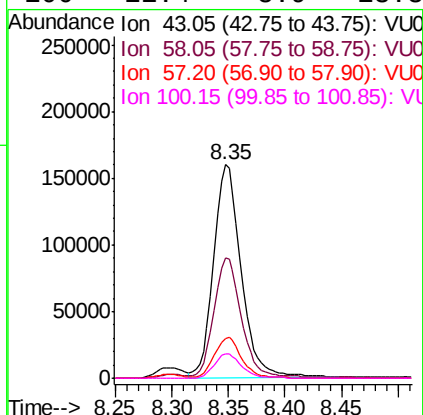
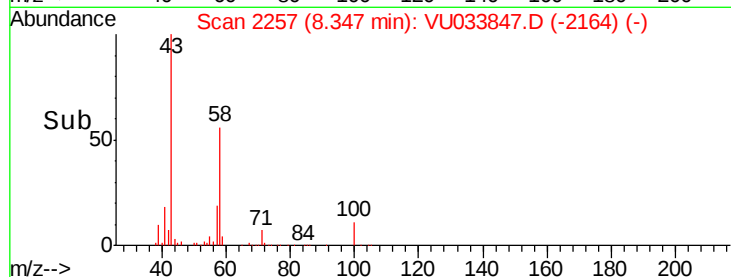
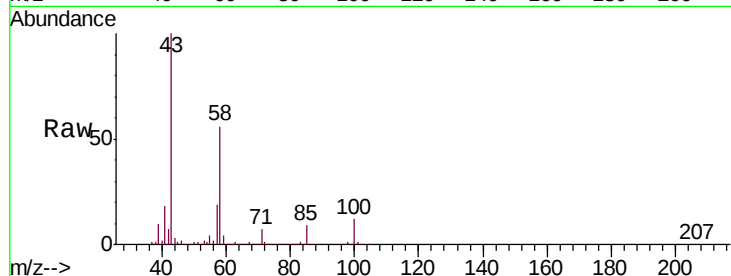




#48
2-Hexanone
Concen: 57.381 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

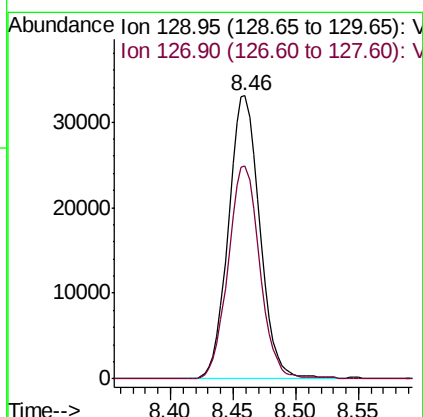
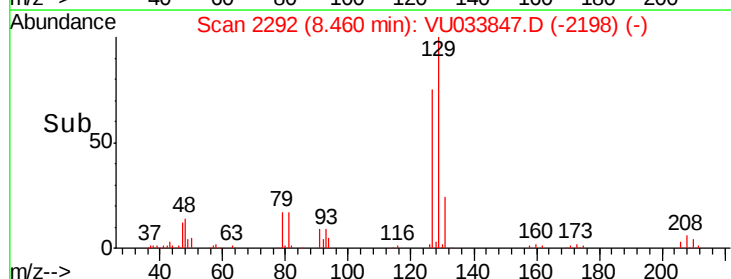
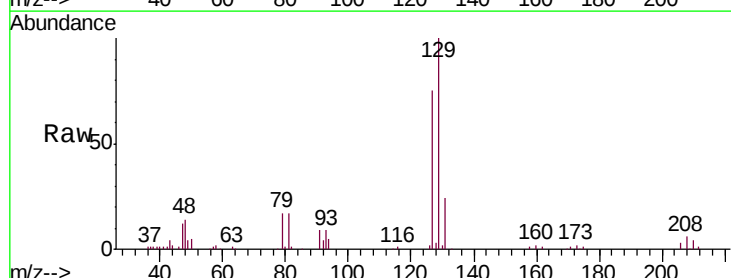
Instrument :
MSVOA_U
ClientSampled :
VICV04

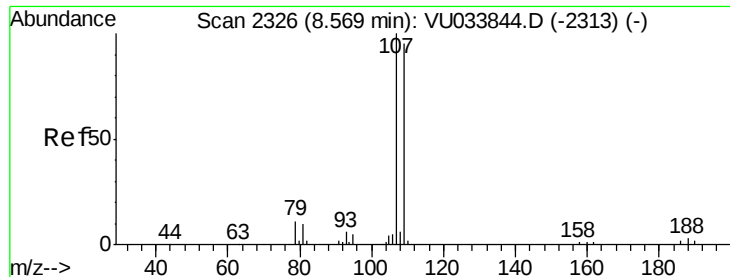
Tgt Ion: 43 Resp: 269438
Ion Ratio Lower Upper
43 100
58 56.4 45.1 67.7
57 19.0 15.4 23.0
100 11.4 8.9 13.3



#49
Dibromochloromethane
Concen: 5.305 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

Tgt Ion: 129 Resp: 57521
Ion Ratio Lower Upper
129 100
127 75.0 57.1 106.1

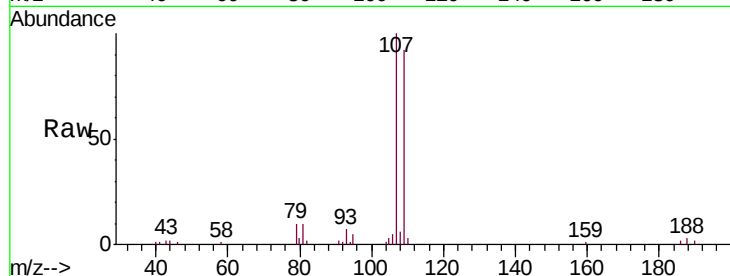




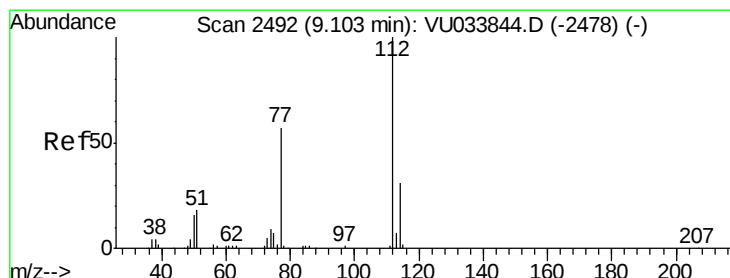
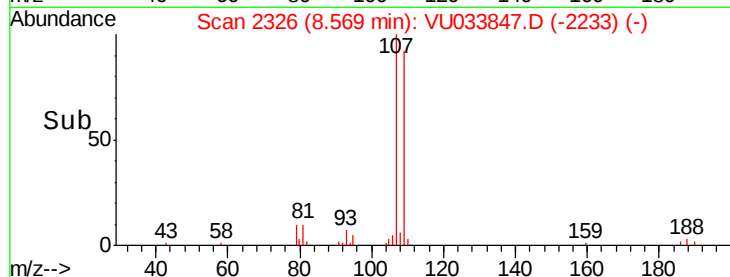
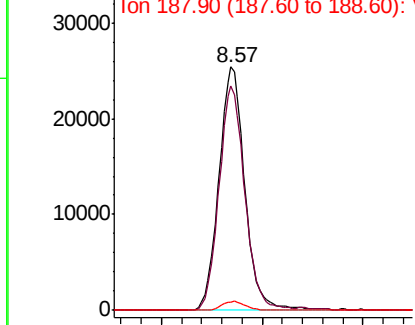
#50
1,2-Dibromoethane
Concen: 5.494 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

Instrument :
MSVOA_U
ClientSampleId :
VICV04

Tgt Ion:107 Resp: 45608
Ion Ratio Lower Upper
107 100
109 92.1 66.3 123.1
188 3.5 2.4 3.6

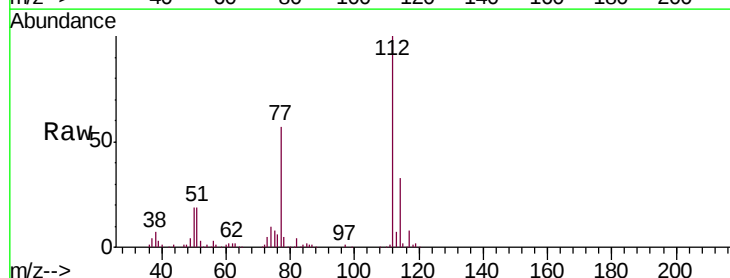


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

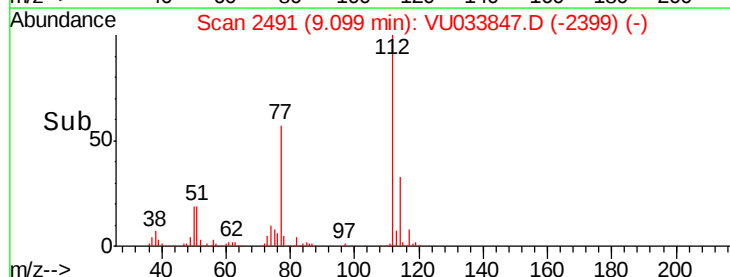
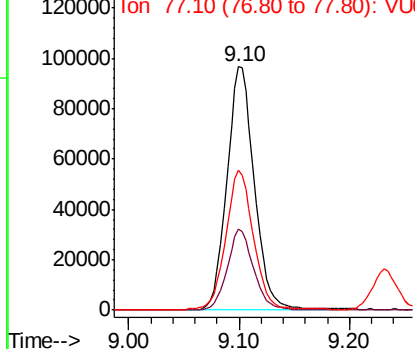


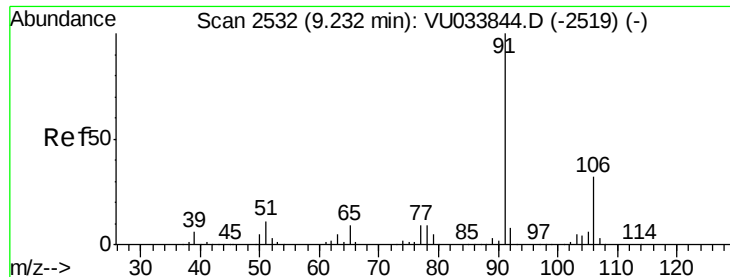
#51
Chlorobenzene
Concen: 5.369 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

Tgt Ion:112 Resp: 166794
Ion Ratio Lower Upper
112 100
114 33.0 21.3 39.6
77 57.3 46.6 69.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.636 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

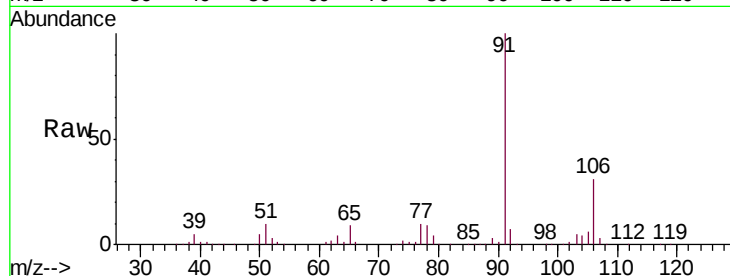
VICV04

Tgt Ion: 91 Resp: 264982

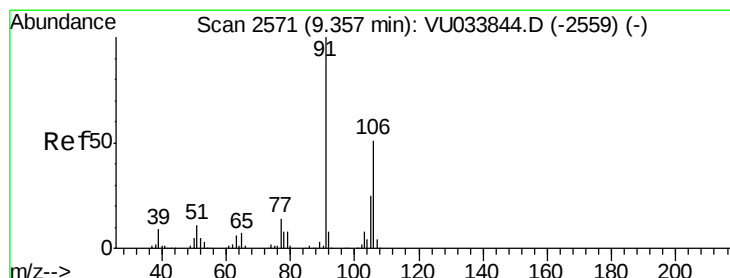
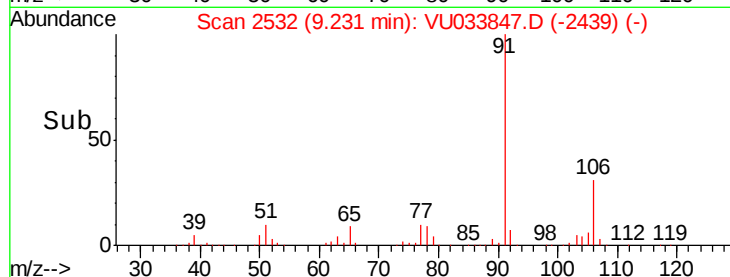
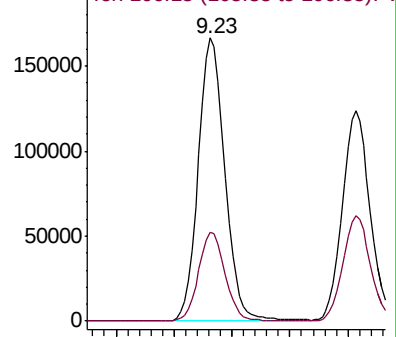
Ion Ratio Lower Upper

91 100

106 31.4 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VU033847.D (-2519) (-)



#53

m,p-Xylene

Concen: 5.759 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033847.D

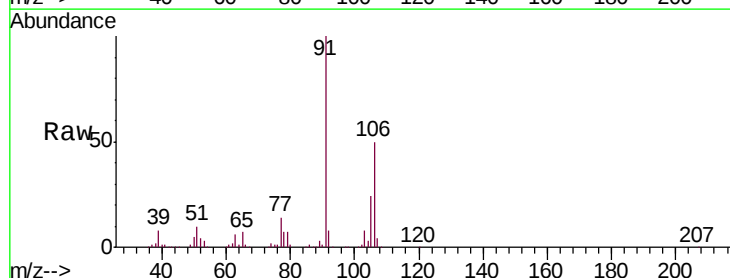
Acq: 20 Aug 2019 12:05

Tgt Ion: 106 Resp: 101646

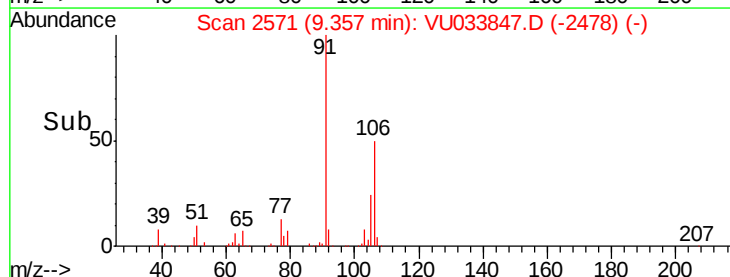
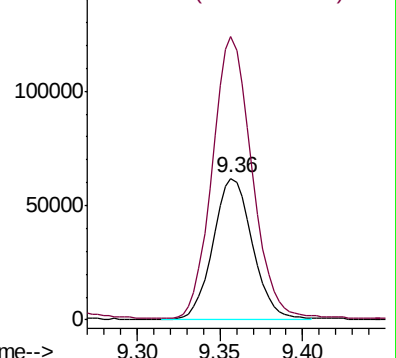
Ion Ratio Lower Upper

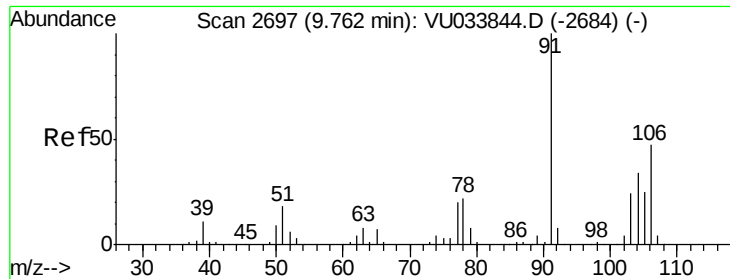
106 100

91 200.2 137.7 255.7



Abundance Ion 106.15 (105.85 to 106.85): VU033847.D (-2559) (-)

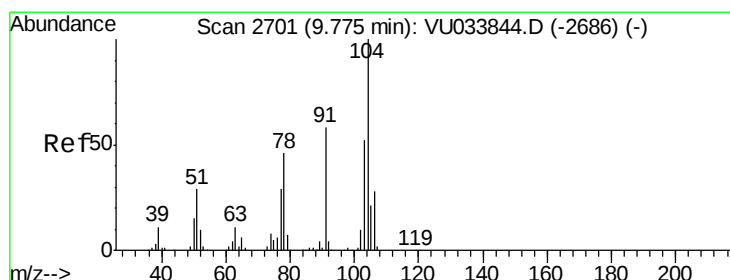
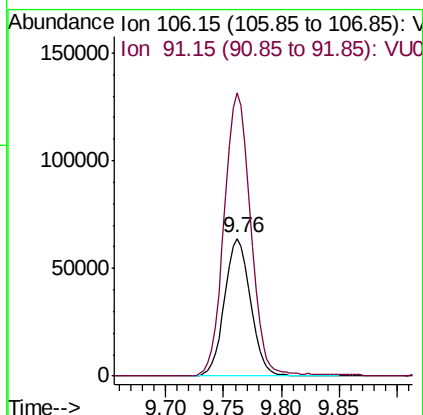
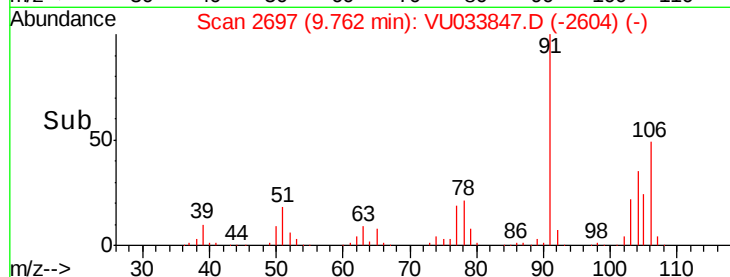
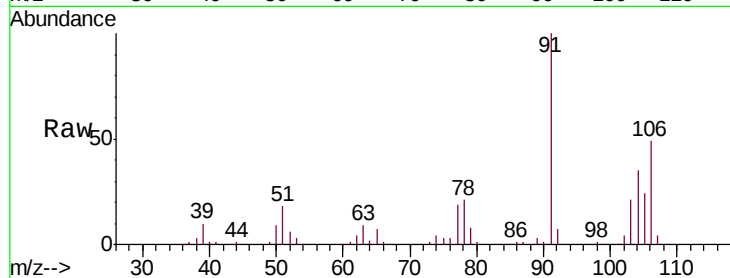




#54
o-Xylene
Concen: 5.886 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

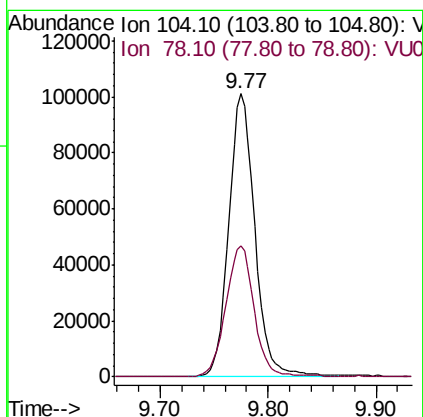
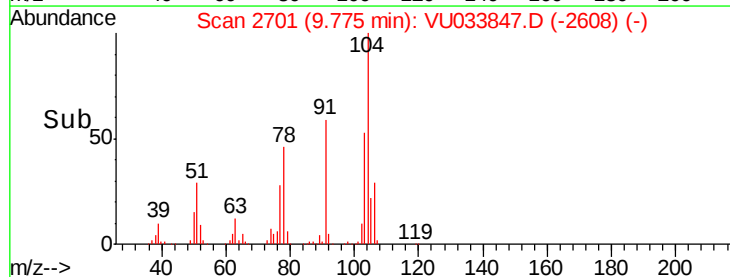
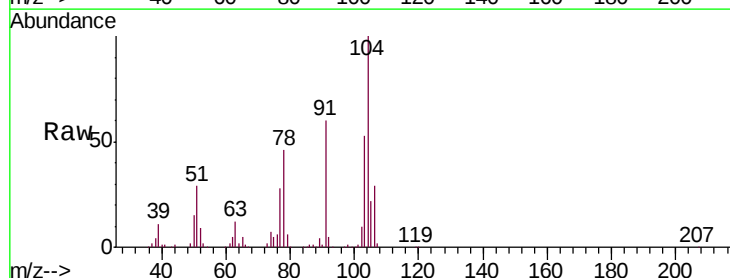
Instrument :
MSVOA_U
ClientSampleId :
VICV04

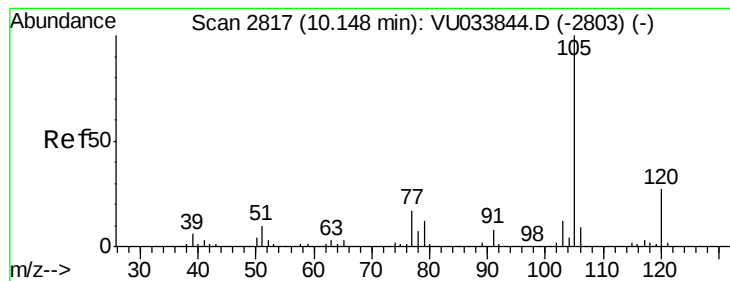
Tgt Ion:106 Resp: 99619
Ion Ratio Lower Upper
106 100
91 205.6 148.6 276.0



#55
Styrene
Concen: 5.839 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033847.D
Acq: 20 Aug 2019 12:05

Tgt Ion:104 Resp: 171281
Ion Ratio Lower Upper
104 100
78 46.4 32.3 59.9





#56

Isopropylbenzene

Concen: 5.877 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

VICV04

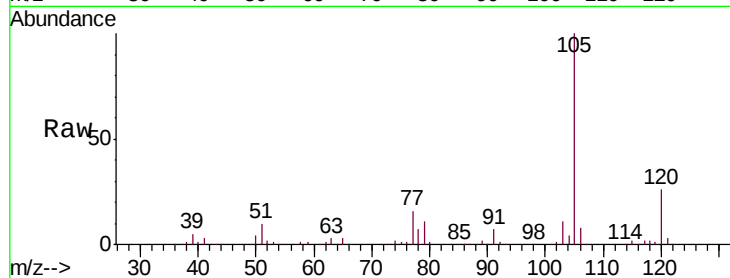
Tgt Ion: 105 Resp: 257376

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

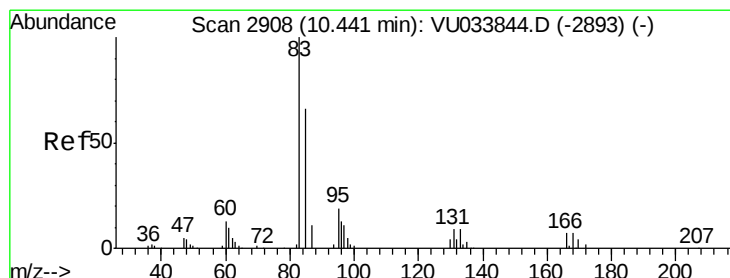
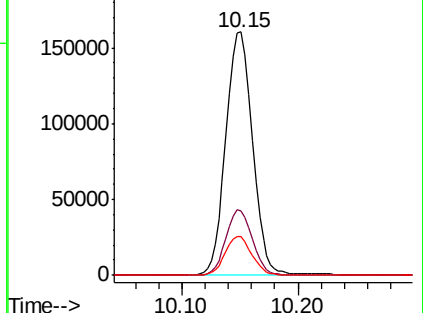
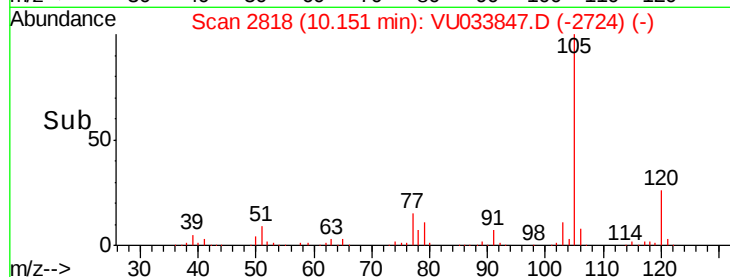
77 15.9 13.1 19.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.198 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

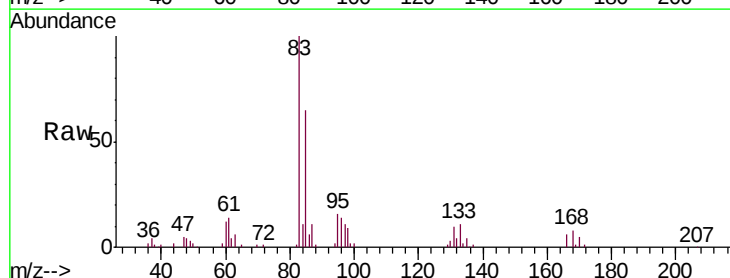
Tgt Ion: 83 Resp: 56667

Ion Ratio Lower Upper

83 100

85 65.2 46.5 86.3

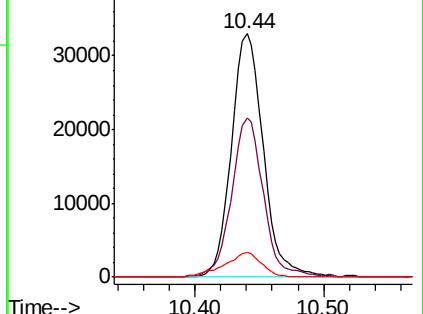
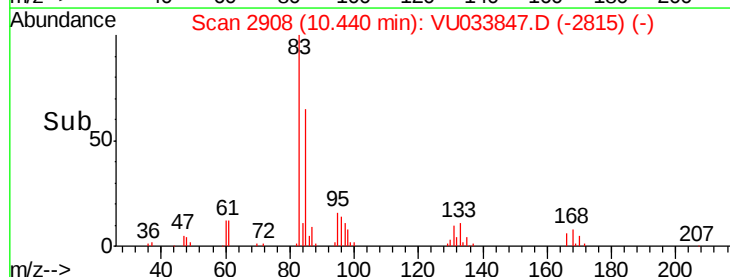
131 10.3 7.1 10.7

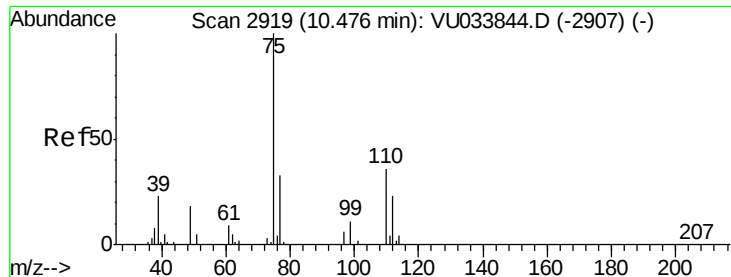


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.120 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

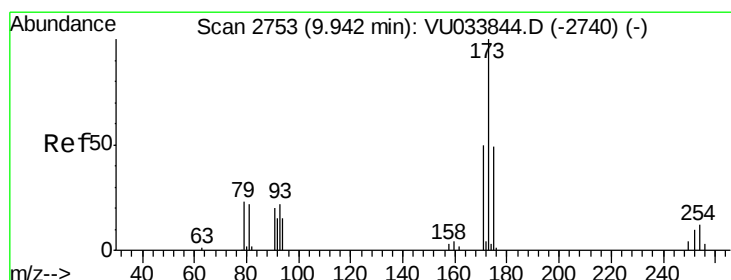
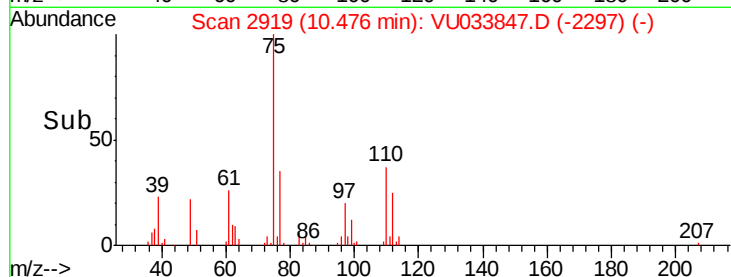
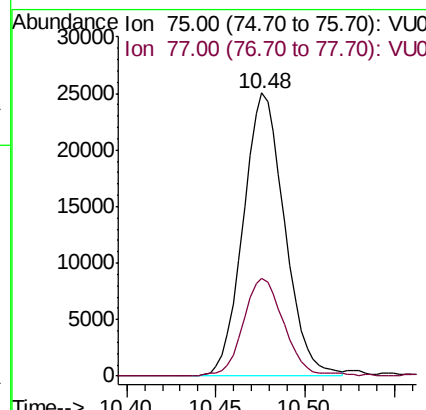
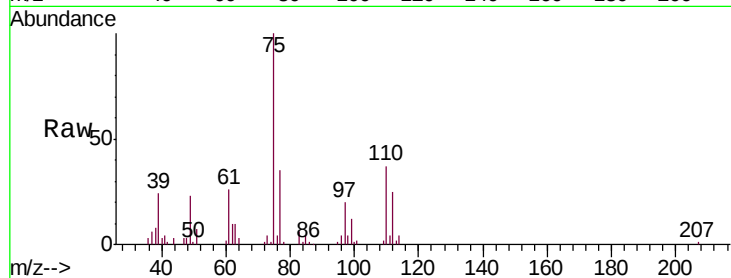
VICV04

Tgt Ion: 75 Resp: 40710

Ion Ratio Lower Upper

75 100

77 33.5 26.3 39.5



#61

Bromoform

Concen: 5.353 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

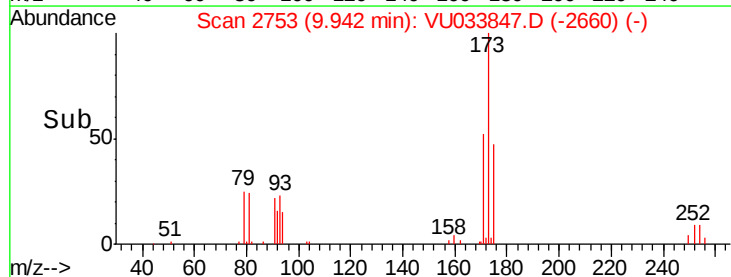
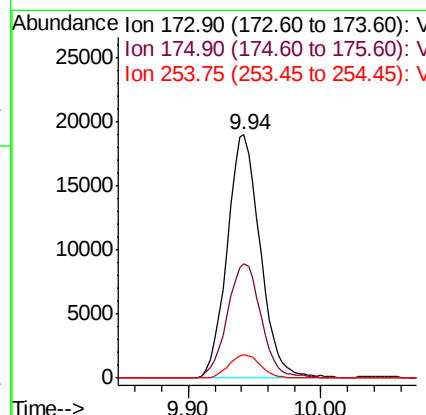
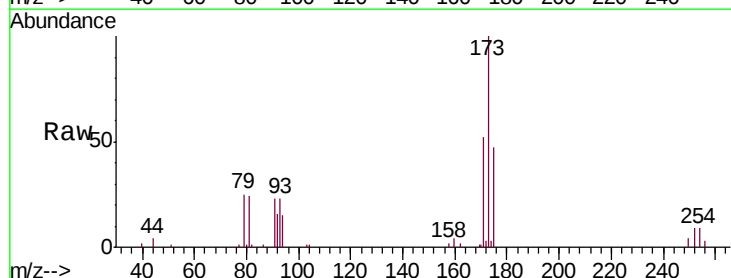
Tgt Ion: 173 Resp: 32830

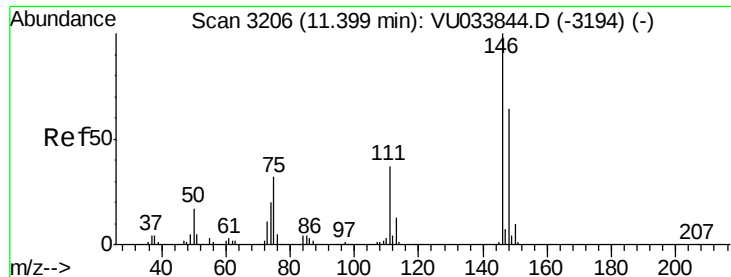
Ion Ratio Lower Upper

173 100

175 48.3 39.3 58.9

254 9.0 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 5.624 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

VICV04

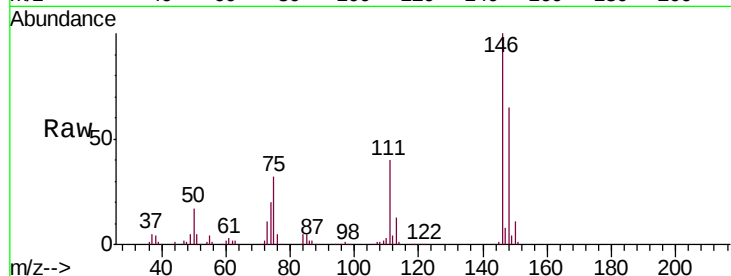
Tgt Ion:146 Resp: 138713

Ion Ratio Lower Upper

146 100

111 40.0 25.9 48.1

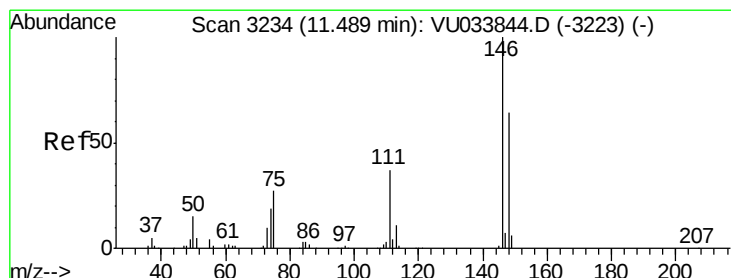
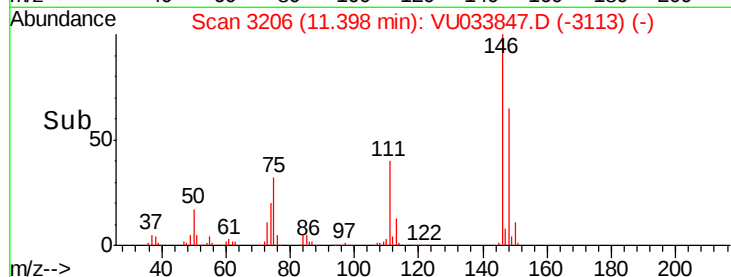
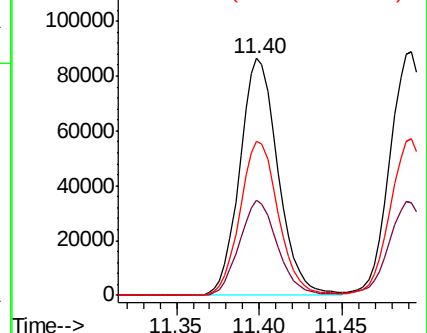
148 64.8 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.719 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

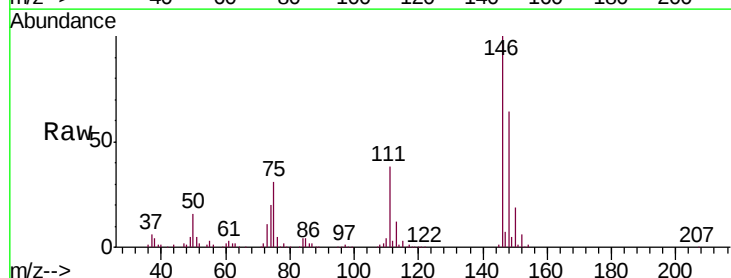
Tgt Ion:146 Resp: 145032

Ion Ratio Lower Upper

146 100

111 38.0 26.2 48.6

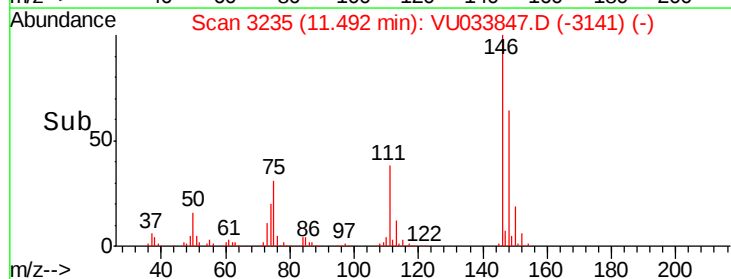
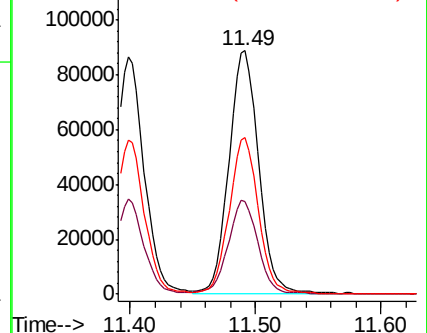
148 64.2 44.7 83.1

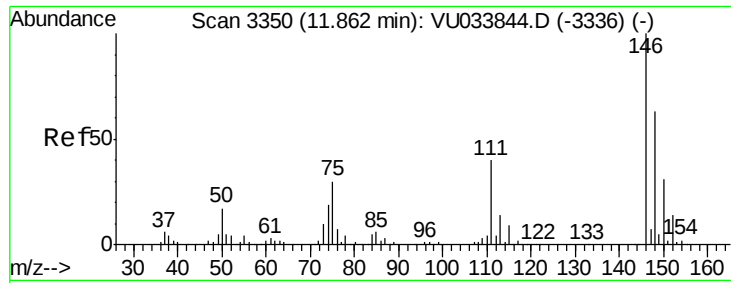


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.625 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

VICV04

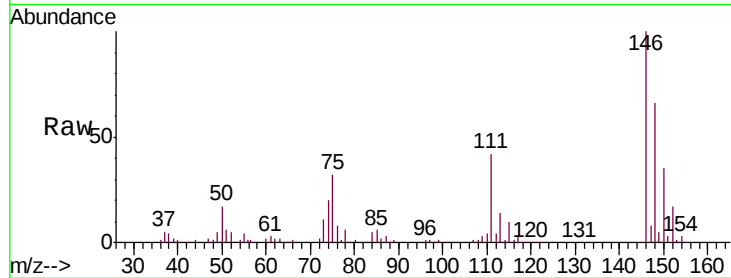
Tgt Ion:146 Resp: 134272

Ion Ratio Lower Upper

146 100

111 41.6 31.9 47.9

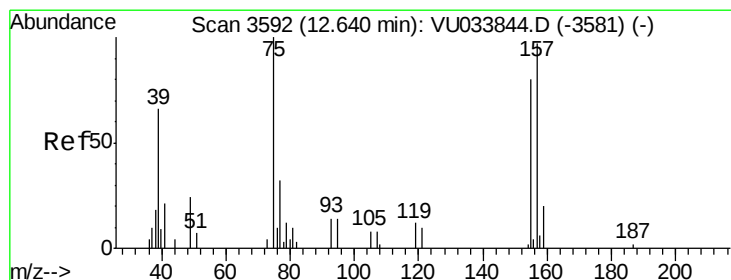
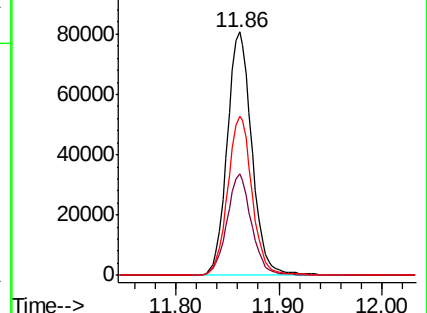
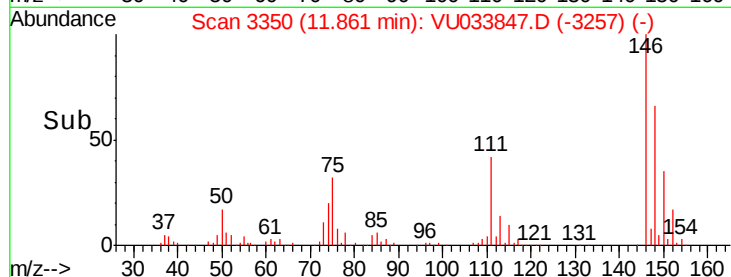
148 65.6 50.6 76.0



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.590 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

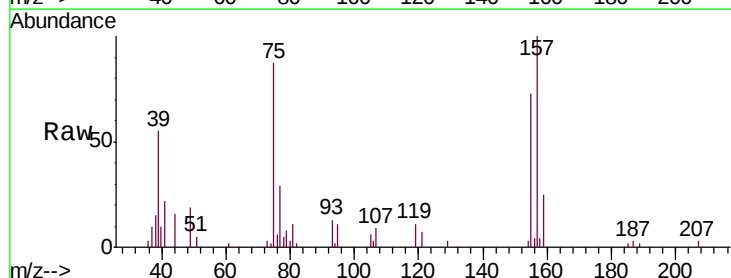
Tgt Ion: 75 Resp: 9439

Ion Ratio Lower Upper

75 100

155 83.9 64.1 96.1

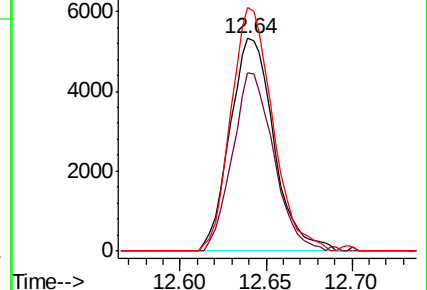
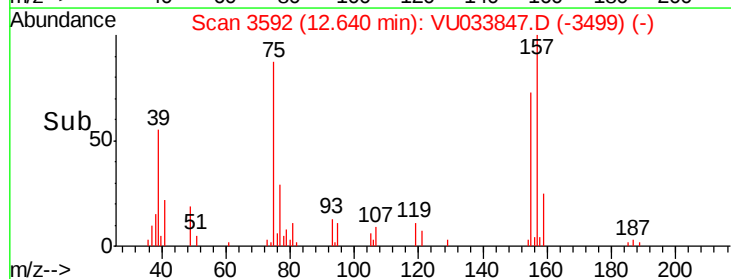
157 114.5 77.5 116.3

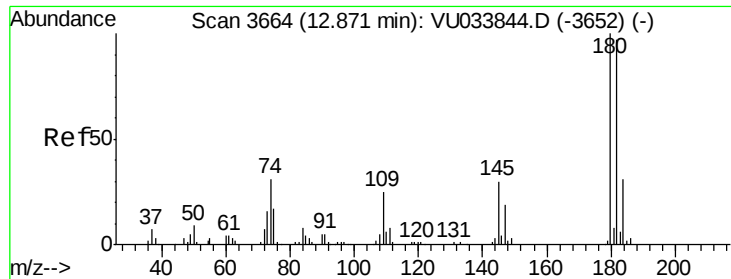


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

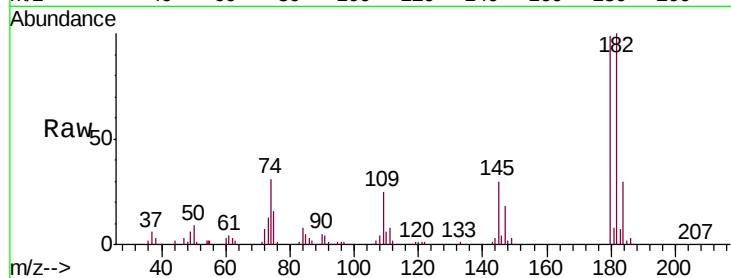




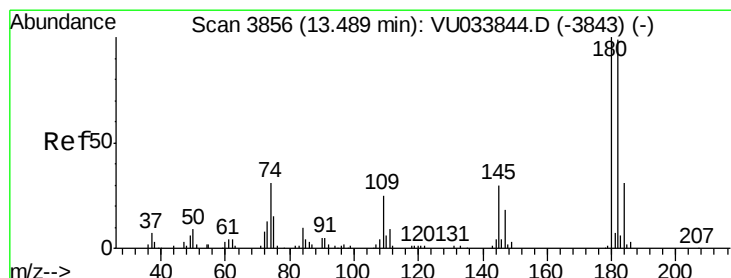
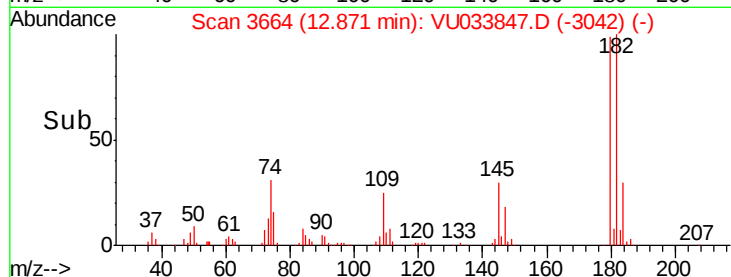
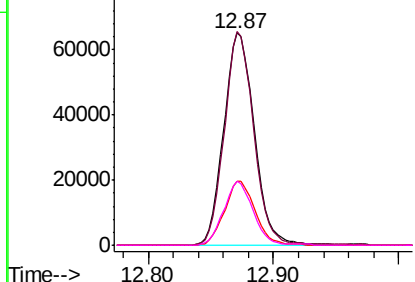
#67
 1,3,5-Trichlorobenzene
 Concen: 5.877 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. -0.00 min
 Lab File: VU033847.D
 Acq: 20 Aug 2019 12:05

Instrument :
 MSVOA_U
 ClientSampled :
 VICV04

Tgt Ion:	180	Resp:	110031
Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.5	116.3
184	30.4	24.2	36.4
145	29.1	23.4	35.2

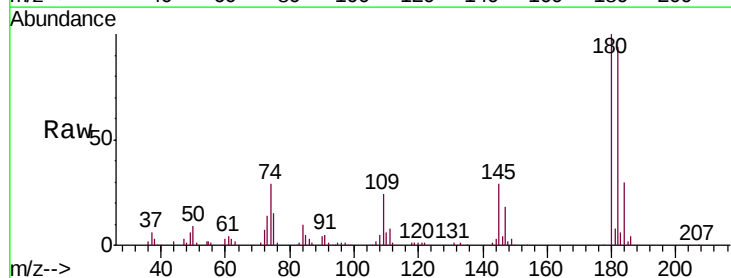


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

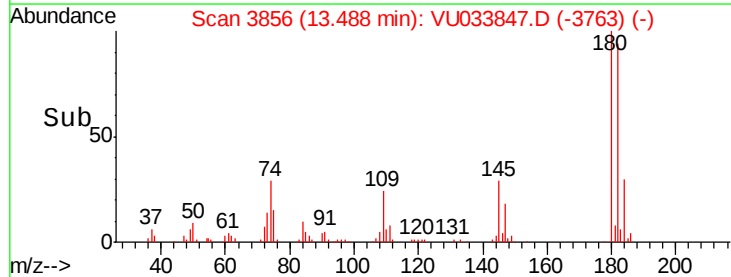
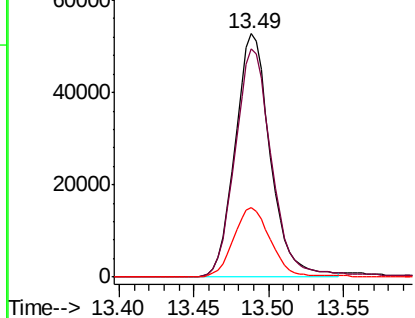


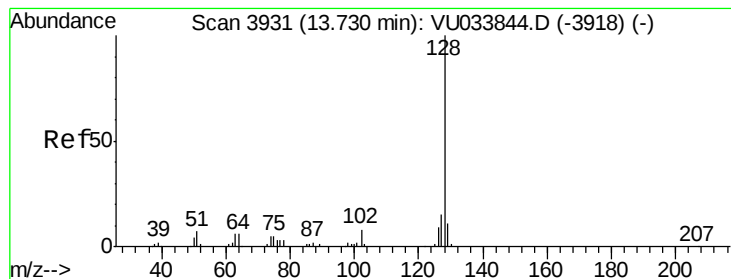
#68
 1,2,4-trichlorobenzene
 Concen: 6.368 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033847.D
 Acq: 20 Aug 2019 12:05

Tgt Ion:	180	Resp:	86769
Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.6	116.4
145	30.0	24.4	36.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 6.754 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

VICV04

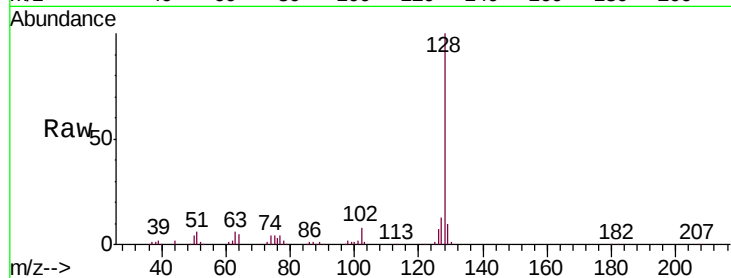
Tgt Ion:128 Resp: 133660

Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.6

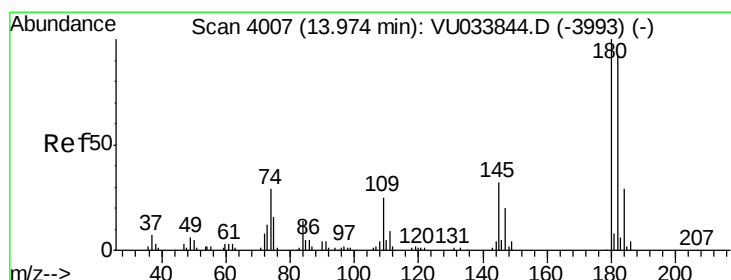
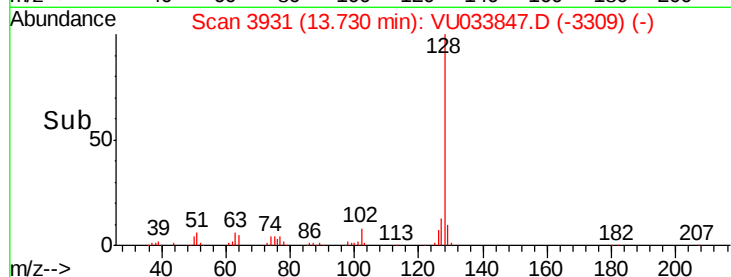
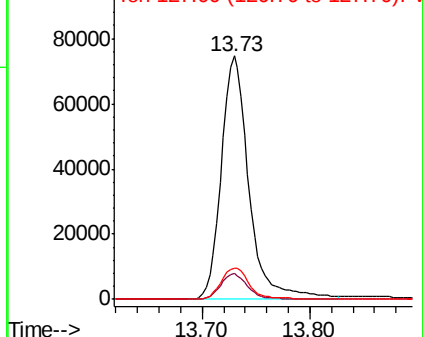
127 13.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 6.432 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033847.D

Acq: 20 Aug 2019 12:05

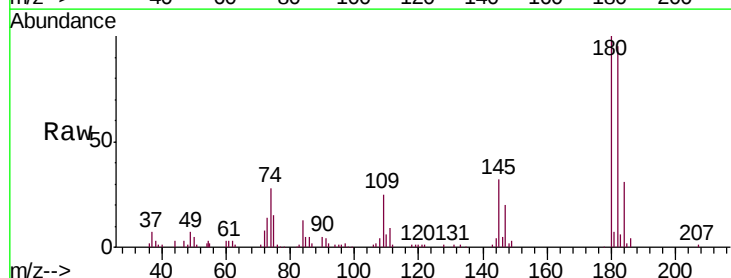
Tgt Ion:180 Resp: 83316

Ion Ratio Lower Upper

180 100

182 97.5 76.9 115.3

145 31.0 24.6 36.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

