

Data File : VU033947.D
Acq On : 26 Aug 2019 11:06
Operator : JC/SP
Sample : VSTD00101
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Quant Time: Aug 27 01:22:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 27 01:19:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	253835	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	263323	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	125266	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	21446	0.98	ug/L	0.00
7) Chloroethane-d5	1.67	69	18513	0.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	41924	0.97	ug/L	0.00
20) 2-Butanone-d5	4.17	46	46379	10.20	ug/L	0.00
24) Chloroform-d	4.62	84	36959	1.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	20118	1.02	ug/L	0.00
32) Benzene-d6	5.32	84	68321	1.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	22254	1.01	ug/L	0.00
41) Toluene-d8	7.55	98	57543	0.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	7654	0.92	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	24024	7.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	18333	0.98	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	22708	1.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	28977	1.184 ug/L	99
3) Chloromethane	1.32	50	28862	1.209 ug/L	97
5) Vinyl chloride	1.39	62	30240	1.143 ug/L	93
6) Bromomethane	1.62	94	13718	0.845 ug/L	99
8) Chloroethane	1.69	64	18812	1.204 ug/L	97
9) Trichlorofluoromethane	1.87	101	35076	1.073 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	20071	1.063 ug/L	97
12) 1,1-Dichloroethene	2.27	96	19977	1.113 ug/L	97
13) Acetone	2.31	43	40533	11.579 ug/L	99
14) Carbon disulfide	2.46	76	69890	1.125 ug/L	99
15) Methyl Acetate	2.60	43	11452	1.286 ug/L	98
16) Methylene chloride	2.68	84	23126	1.098 ug/L	95
17) Methyl tert-butyl Ether	2.98	73	49890	1.089 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	20877	1.058 ug/L	98
19) 1,1-Dichloroethane	3.42	63	41021	1.337 ug/L	98
21) 2-Butanone	4.26	43	50580	12.318 ug/L	95
22) cis-1,2-Dichloroethene	4.20	96	20967	1.276 ug/L	93
23) Bromochloromethane	4.52	128	9696	1.227 ug/L	98
25) Chloroform	4.65	83	44150	1.301 ug/L	99
27) 1,2-Dichloroethane	5.39	62	23942	1.214 ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	32124	1.248 ug/L	99
30) Cyclohexane	4.97	56	28803	1.262 ug/L	99
31) Carbon tetrachloride	5.11	117	28046	1.216 ug/L	98
33) Benzene	5.36	78	78546	1.240 ug/L	100
34) Trichloroethene	6.16	95	20474	1.228 ug/L	97
35) Methylcyclohexane	6.39	83	27686	1.159 ug/L	98
37) 1,2-Dichloropropane	6.41	63	22559	1.343 ug/L	# 97
38) Bromodichloromethane	6.74	83	27204	1.271 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	26057	1.174 ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	114392	12.019 ug/L	96

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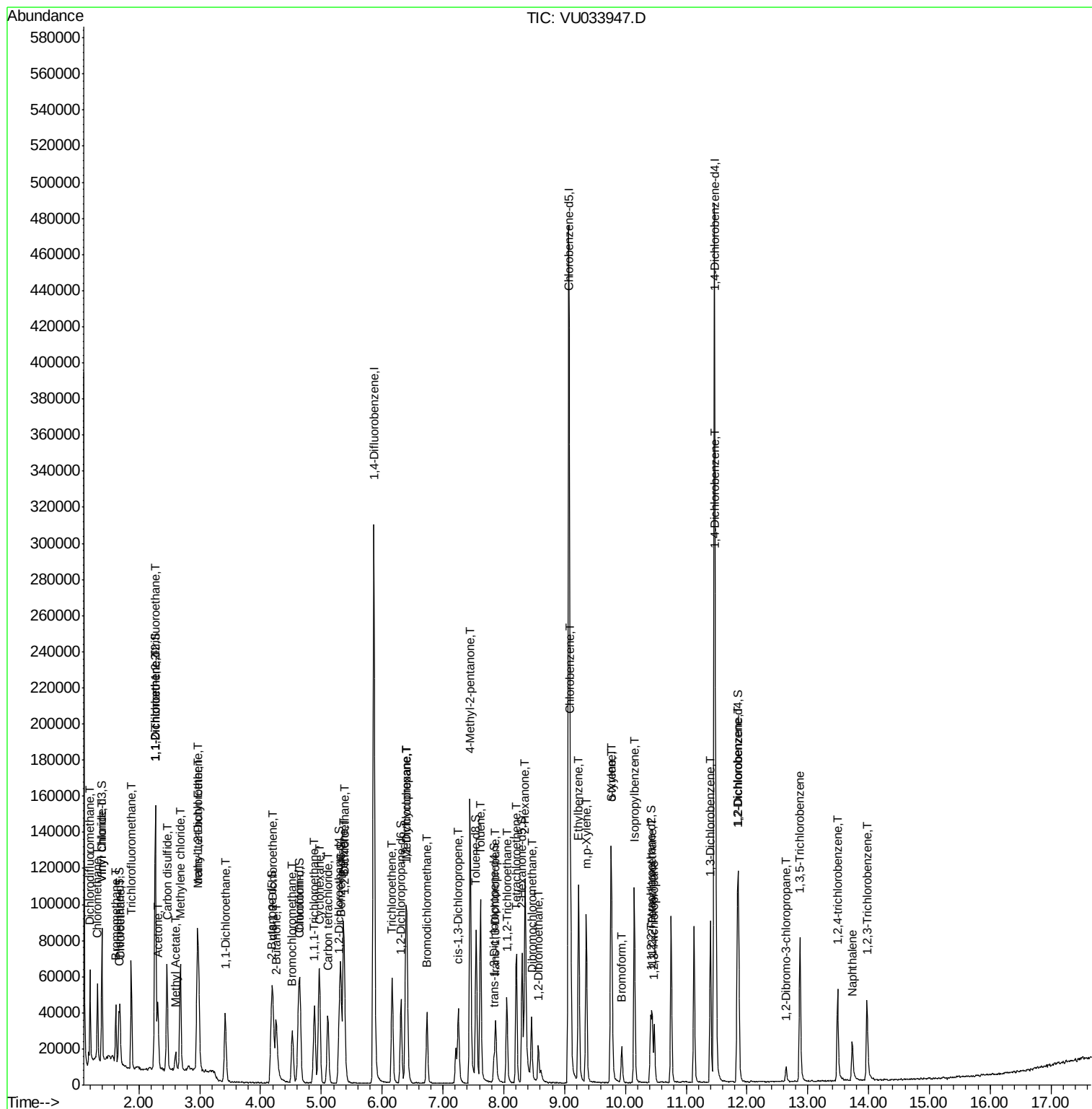
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	74683	1.164	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	21286	1.142	ug/L	94
45) 1,1,2-Trichloroethane	8.05	97	15443	1.305	ug/L	95
47) Tetrachloroethene	8.21	164	16533	1.214	ug/L	98
48) 2-Hexanone	8.35	43	78107	11.319	ug/L	96
49) Dibromochloromethane	8.46	129	17019	1.163	ug/L	96
50) 1,2-Dibromoethane	8.57	107	13720	1.208	ug/L	96
51) Chlorobenzene	9.10	112	52805	1.247	ug/L	98
52) Ethylbenzene	9.23	91	73786	1.133	ug/L	99
53) m,p-Xylene	9.36	106	26694	1.089	ug/L	95
54) o-Xylene	9.76	106	24517	1.041	ug/L	96
55) Styrene	9.77	104	40759	0.995	ug/L	100
56) Isopropylbenzene	10.15	105	65268	1.075	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	19068	1.261	ug/L	96
59) 1,2,3-Trichloropropane	10.48	75	13439	1.219	ug/L	97
61) Bromoform	9.94	173	9390	1.258	ug/L #	97
62) 1,3-Dichlorobenzene	11.40	146	37836	1.256	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	38870	1.253	ug/L	94
65) 1,2-Dichlorobenzene	11.86	146	37268	1.282	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	2846	1.360	ug/L	92
67) 1,3,5-Trichlorobenzene	12.87	180	28545	1.244	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	17848	1.058	ug/L	97
69) Naphthalene	13.73	128	23776	0.949	ug/L	98
70) 1,2,3-Trichlorobenzene	13.97	180	18697	1.160	ug/L	89

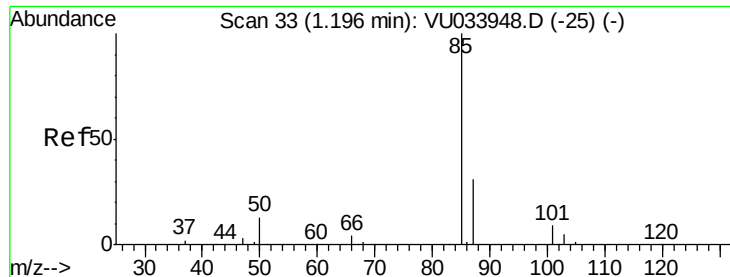
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.184 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

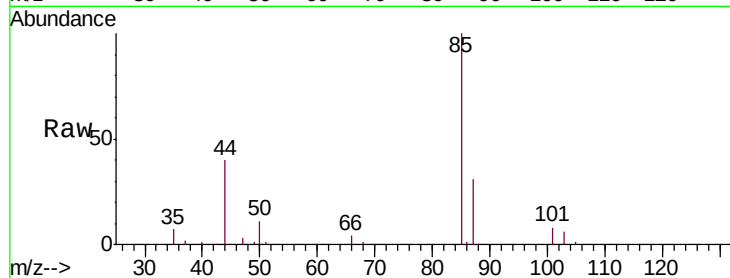
VSTD00101

Tgt Ion: 85 Resp: 28977

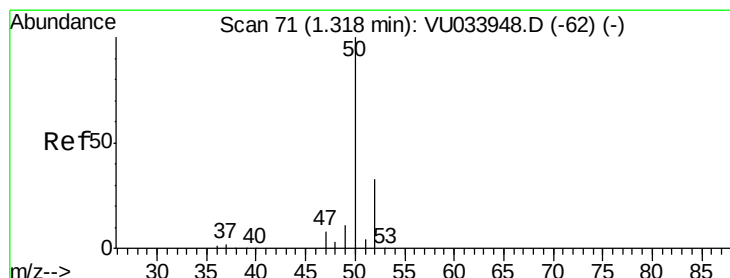
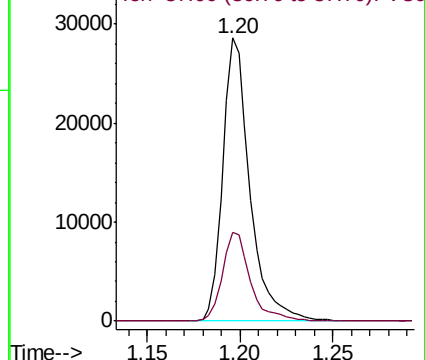
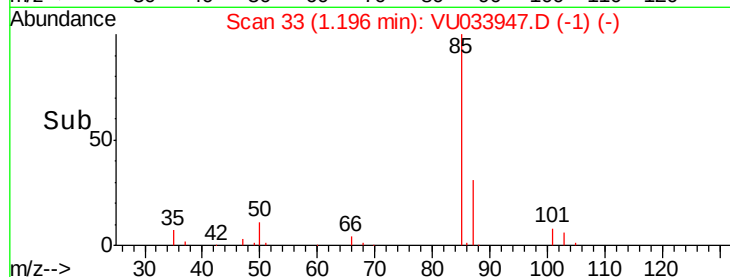
Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU033947.D (-1) (-)



#3

Chloromethane

Concen: 1.209 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033947.D

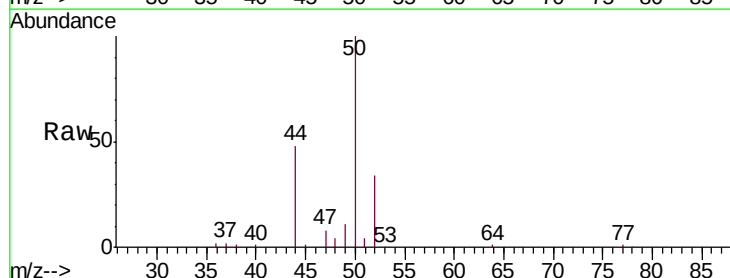
Acq: 26 Aug 2019 11:06

Tgt Ion: 50 Resp: 28862

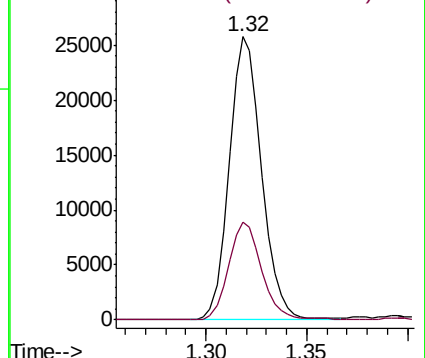
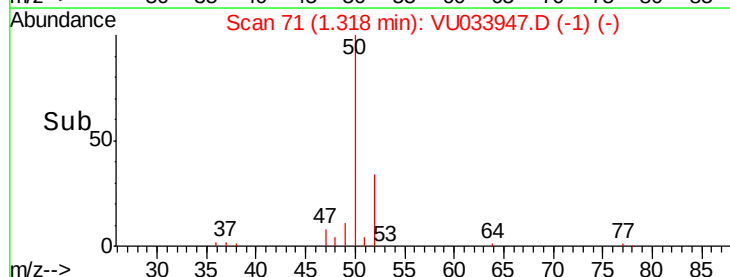
Ion Ratio Lower Upper

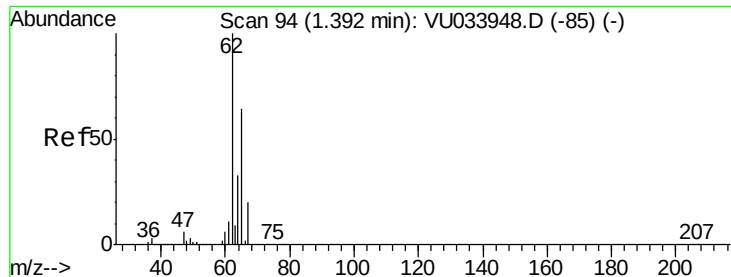
50 100

52 34.4 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU033947.D (-1) (-)





#5

Vinyl chloride

Concen: 1.143 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

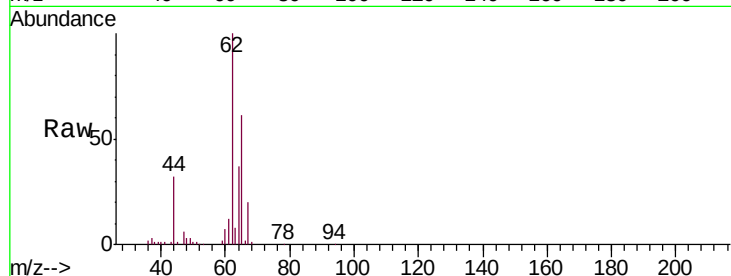
VSTD00101

Tgt Ion: 62 Resp: 30240

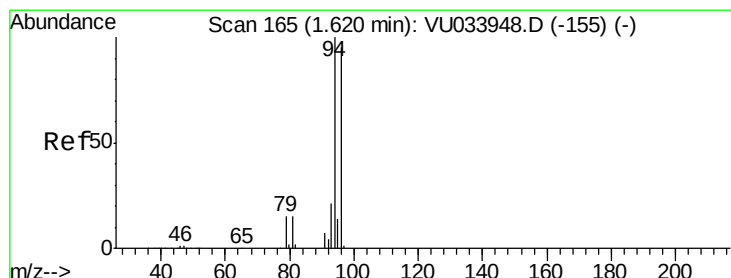
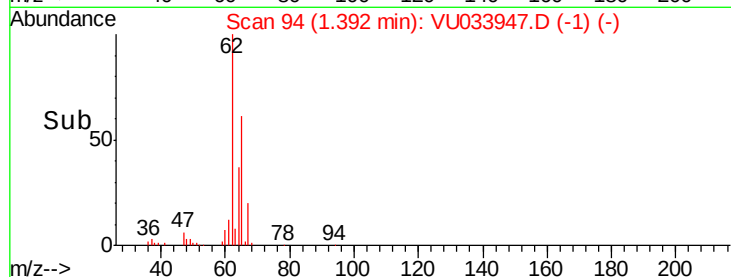
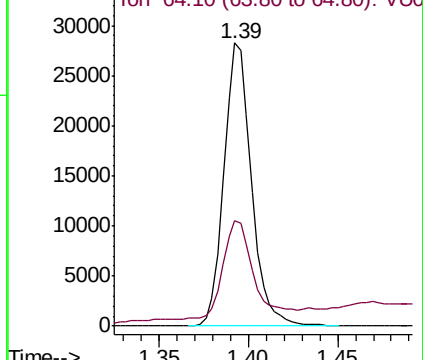
Ion Ratio Lower Upper

62 100

64 37.5 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU033947.D (-1) (-)



#6

Bromomethane

Concen: 0.845 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033947.D

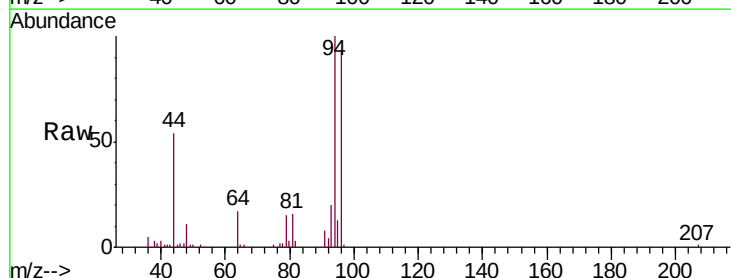
Acq: 26 Aug 2019 11:06

Tgt Ion: 94 Resp: 13718

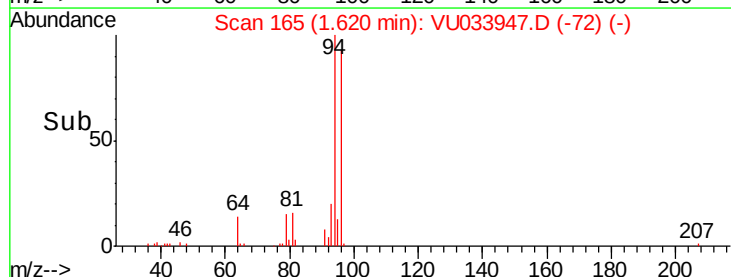
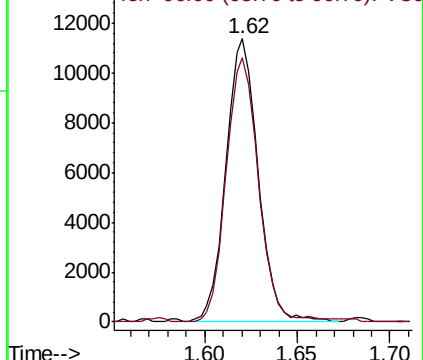
Ion Ratio Lower Upper

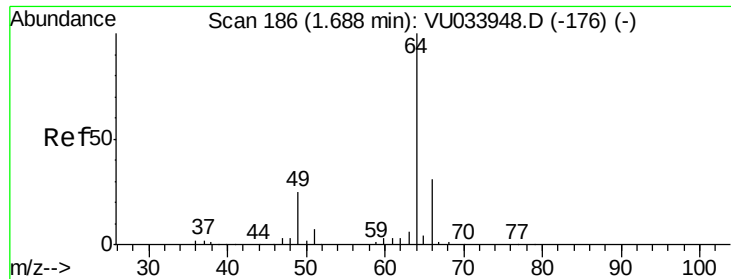
94 100

96 93.4 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU033947.D (-72) (-)





#8

Chloroethane

Concen: 1.204 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

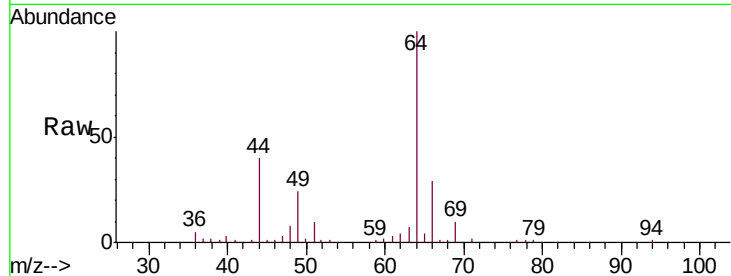
VSTD00101

Tgt Ion: 64 Resp: 18812

Ion Ratio Lower Upper

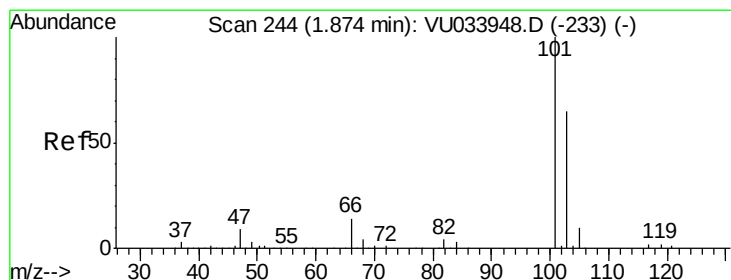
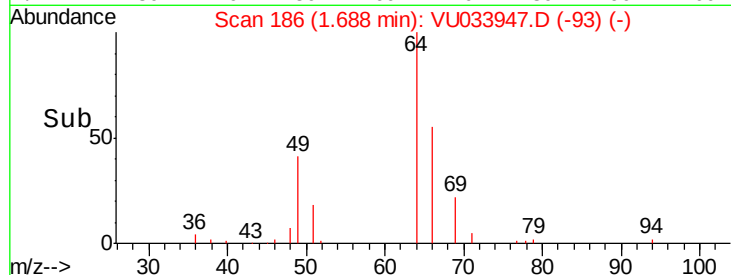
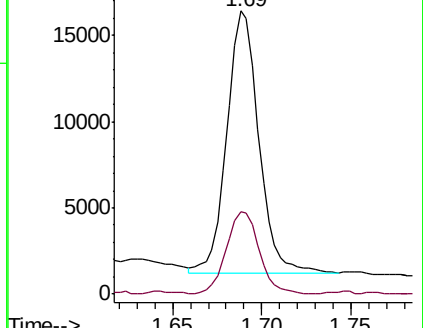
64 100

66 29.0 21.4 39.8



Abundance Ion 64.10 (63.80 to 64.80): VU033947.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU033947.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 1.073 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033947.D

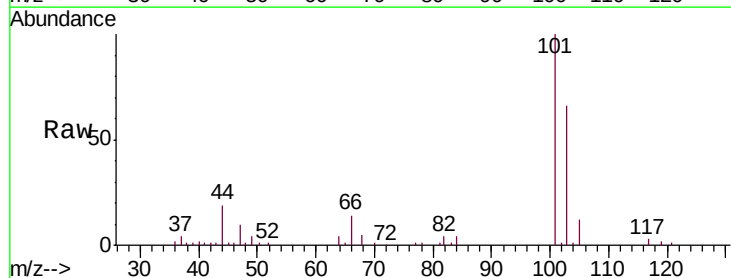
Acq: 26 Aug 2019 11:06

Tgt Ion: 101 Resp: 35076

Ion Ratio Lower Upper

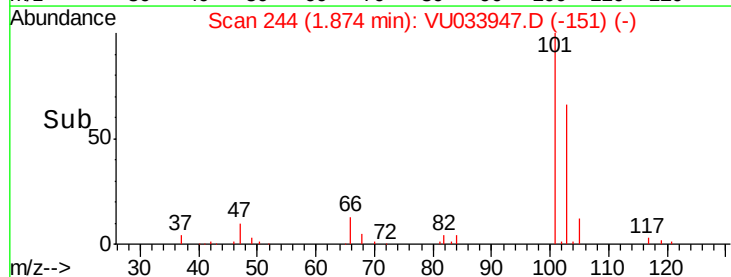
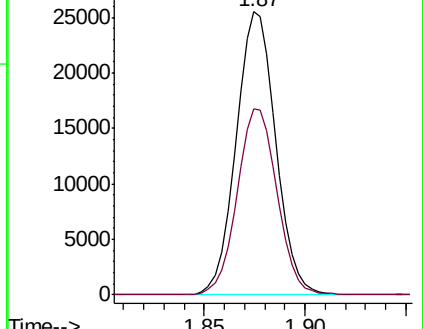
101 100

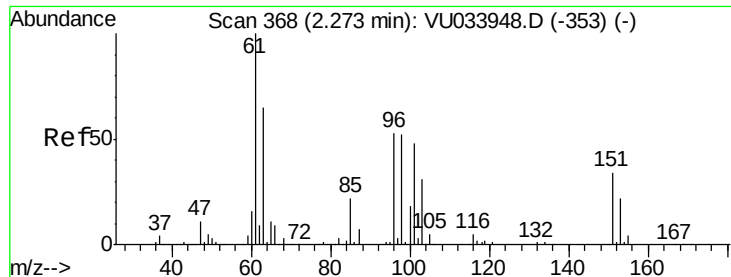
103 66.3 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU033947.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033947.D (-233) (-)





#10

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

Concen: 1.063 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

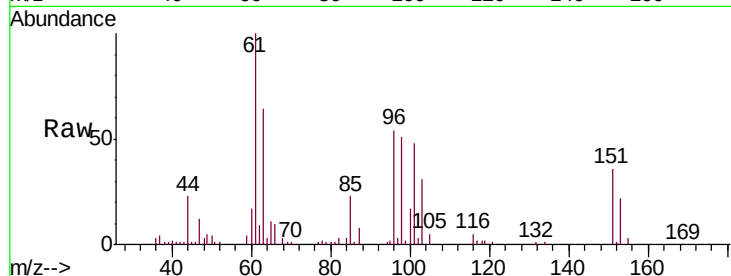
Tgt Ion: 101 Resp: 20071

Ion Ratio Lower Upper

101 100

85 47.7 36.2 54.2

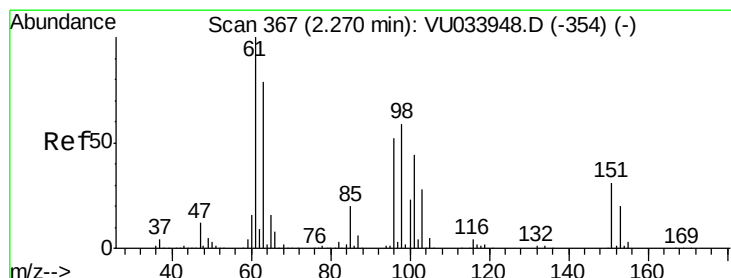
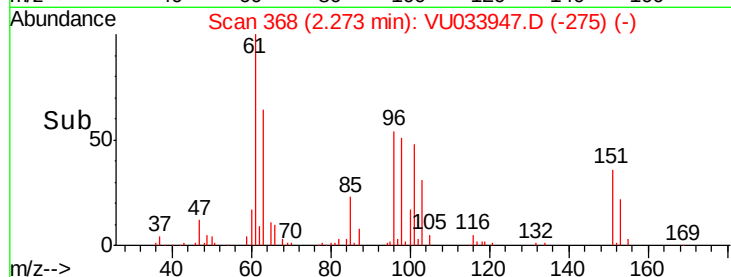
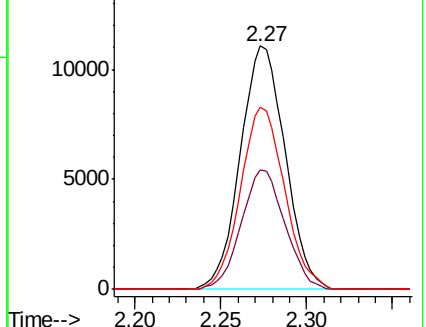
151 73.5 56.8 85.2



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: 1.113 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

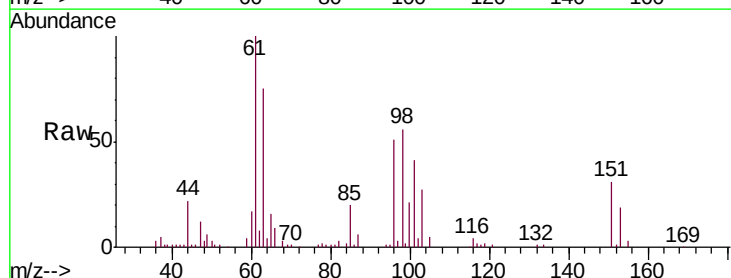
Tgt Ion: 96 Resp: 19977

Ion Ratio Lower Upper

96 100

61 194.4 135.6 251.8

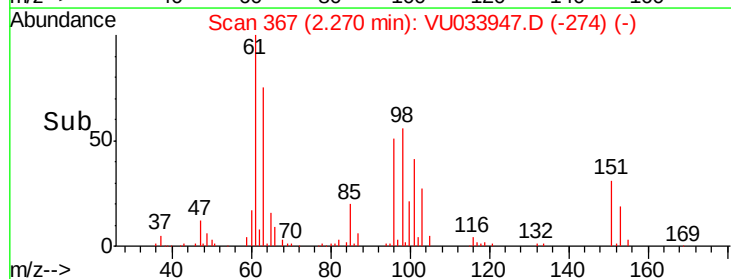
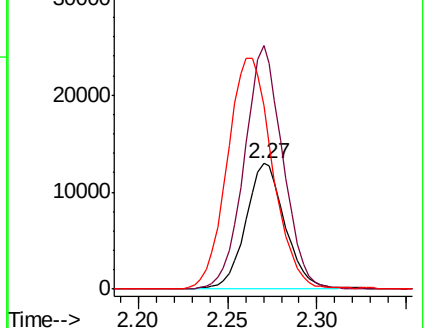
63 146.3 108.0 200.6

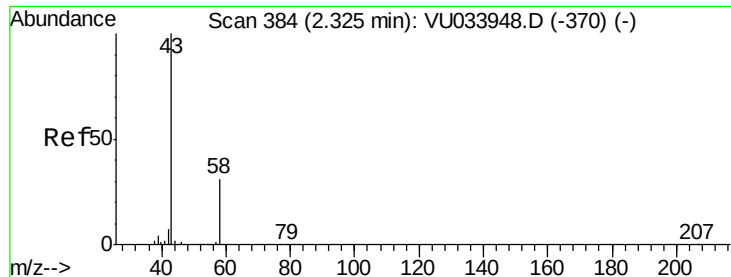


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.579 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

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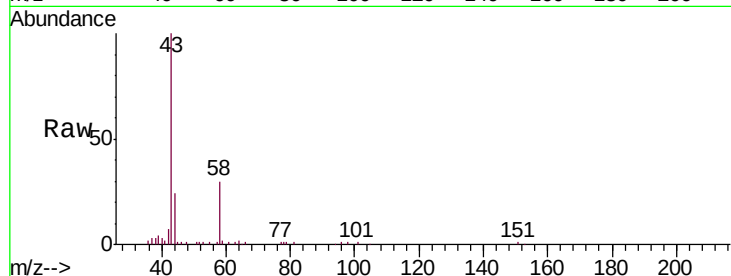
VSTD00101

Tgt Ion: 43 Resp: 40533

Ion Ratio Lower Upper

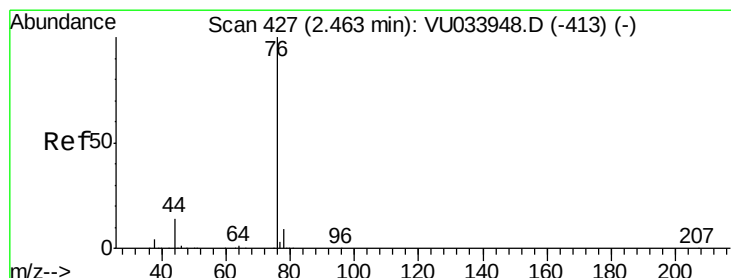
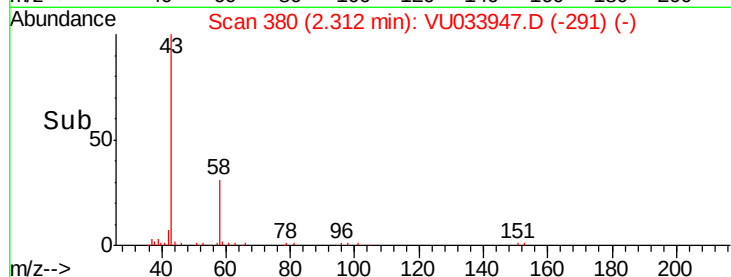
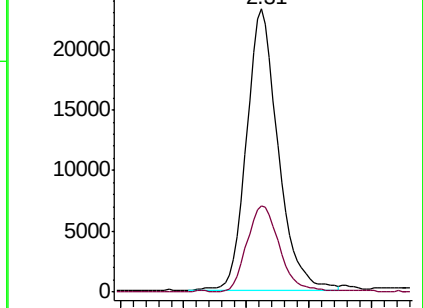
43 100

58 32.1 0.0 62.6



Abundance Ion 43.05 (42.75 to 43.75): VU033948.D (-370) (-)

Ion 58.05 (57.75 to 58.75): VU033948.D (-370) (-)



#14

Carbon disulfide

Concen: 1.125 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033947.D

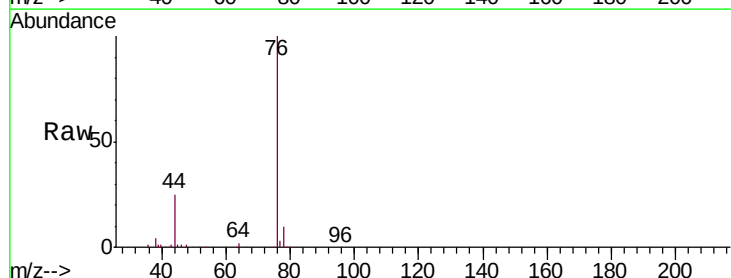
Acq: 26 Aug 2019 11:06

Tgt Ion: 76 Resp: 69890

Ion Ratio Lower Upper

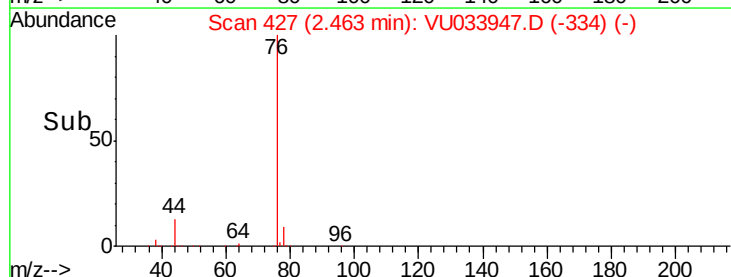
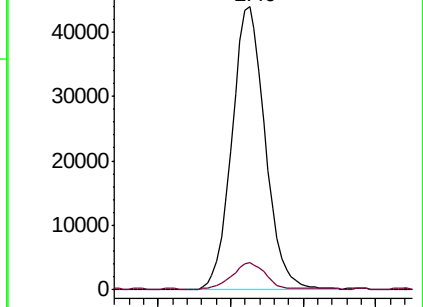
76 100

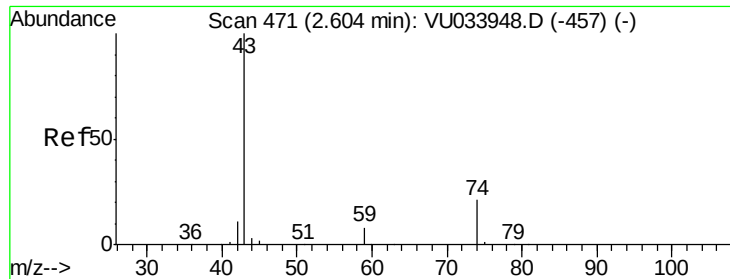
78 9.6 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU033948.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033948.D (-413) (-)

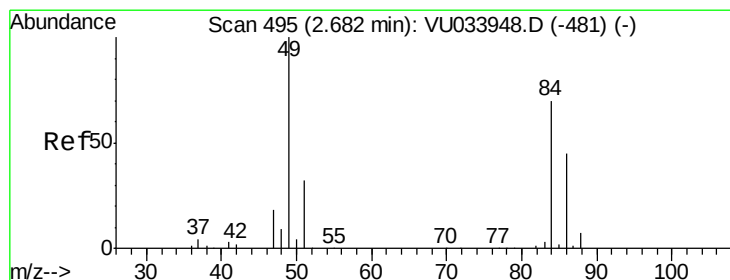
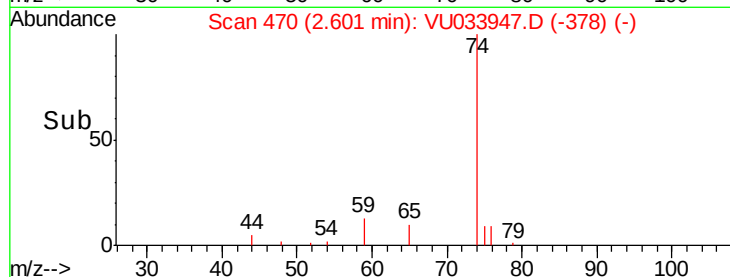
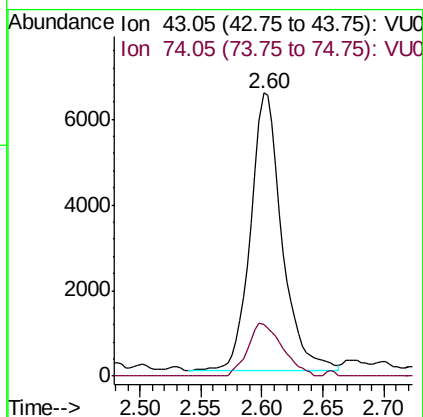
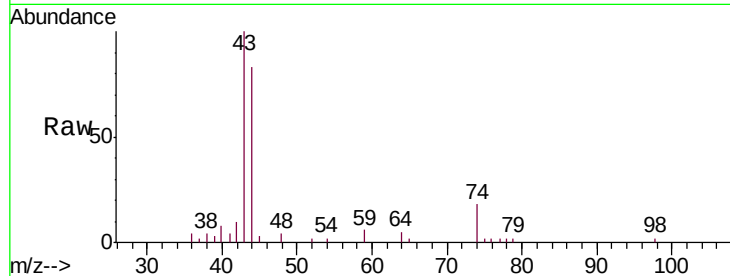




#15
Methyl Acetate
Concen: 1.286 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU033947.D
Acq: 26 Aug 2019 11:06

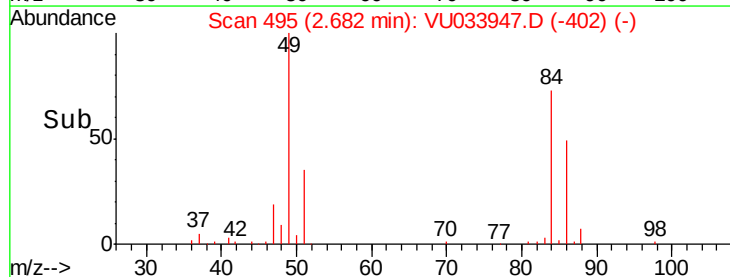
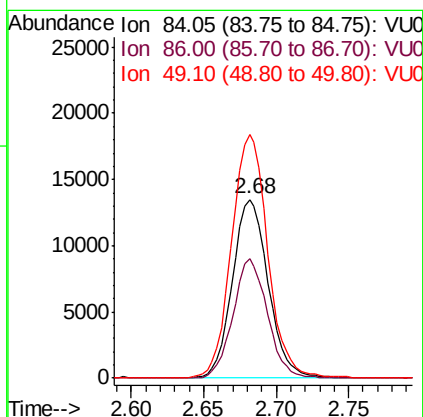
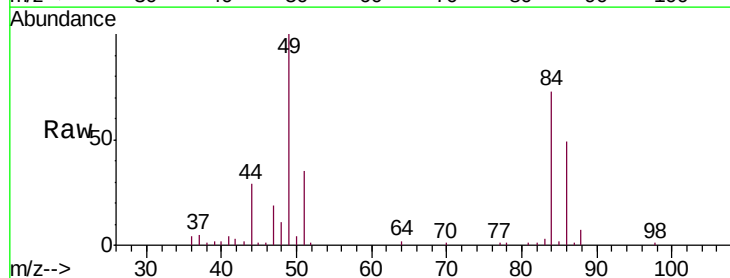
Instrument :
MSVOA_U
ClientSampled :
VSTD00101

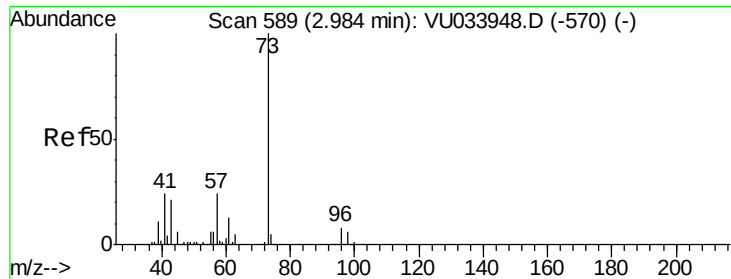
Tgt Ion: 43 Resp: 11452
Ion Ratio Lower Upper
43 100
74 21.2 16.3 24.5



#16
Methylene chloride
Concen: 1.098 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033947.D
Acq: 26 Aug 2019 11:06

Tgt Ion: 84 Resp: 23126
Ion Ratio Lower Upper
84 100
86 67.0 44.7 83.1
49 136.1 100.1 185.9





#17

Methyl tert-butyl Ether

Concen: 1.089 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

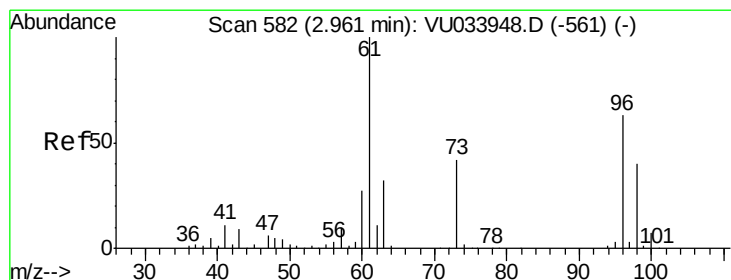
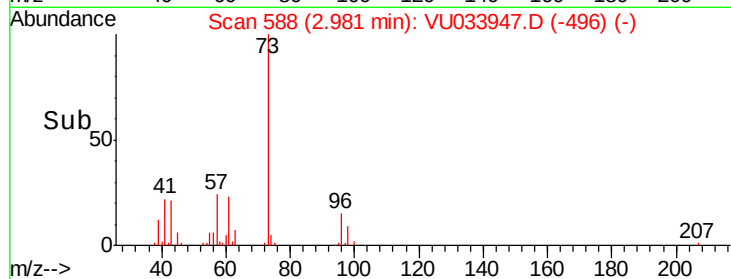
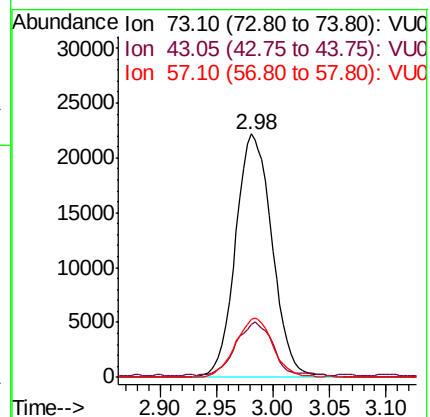
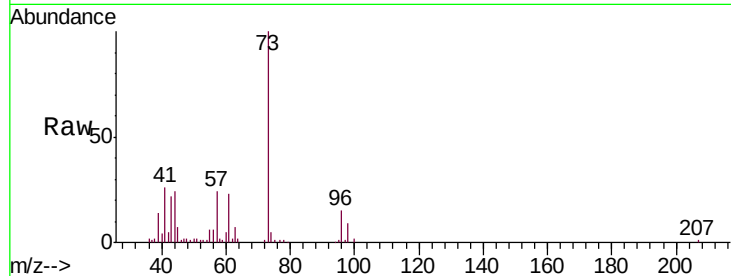
Tgt Ion: 73 Resp: 49890

Ion Ratio Lower Upper

73 100

43 21.4 16.6 24.8

57 24.9 19.1 28.7



#18

trans-1,2-Dichloroethene

Concen: 1.058 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

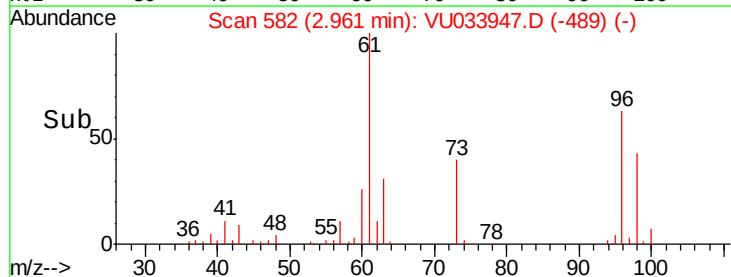
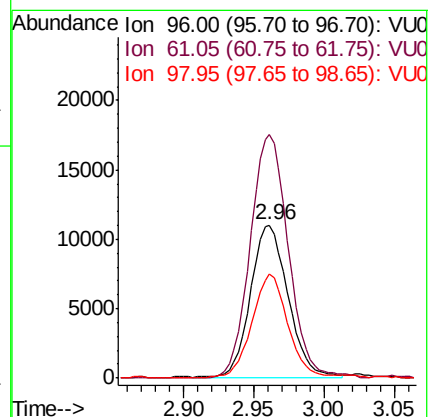
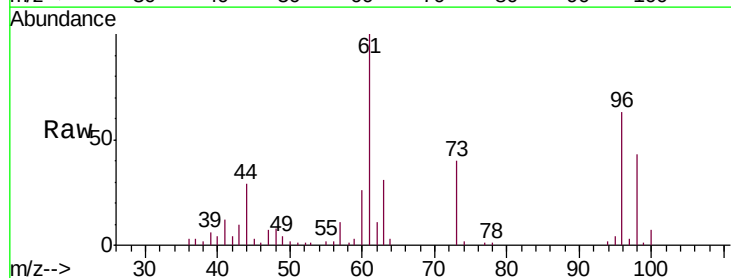
Tgt Ion: 96 Resp: 20877

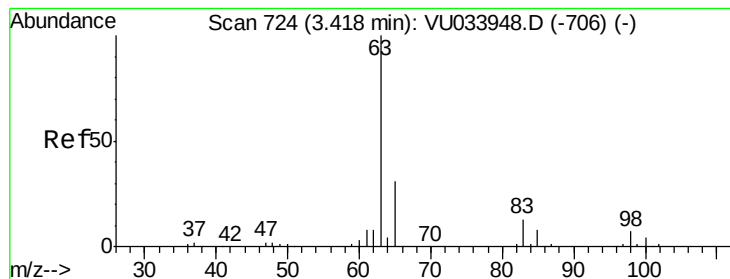
Ion Ratio Lower Upper

96 100

61 158.8 110.3 204.9

98 68.0 44.2 82.0





#19

1,1-Dichloroethane

Concen: 1.337 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

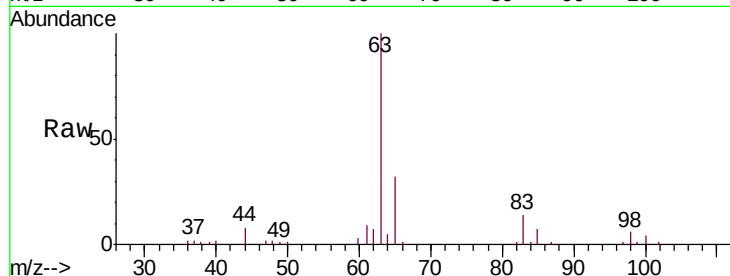
Tgt Ion: 63 Resp: 41021

Ion Ratio Lower Upper

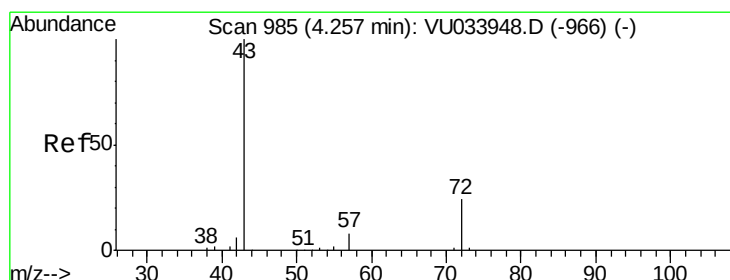
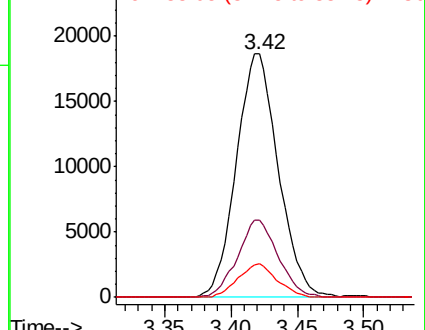
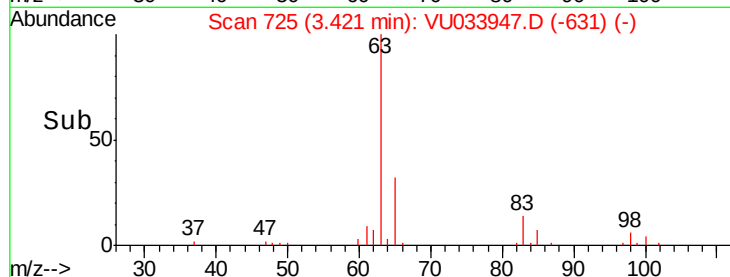
63 100

65 31.7 21.7 40.3

83 13.8 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU033947.D (-631) (-)



#21

2-Butanone

Concen: 12.318 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU033947.D

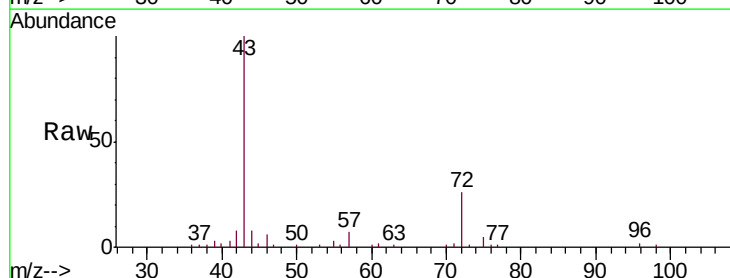
Acq: 26 Aug 2019 11:06

Tgt Ion: 43 Resp: 50580

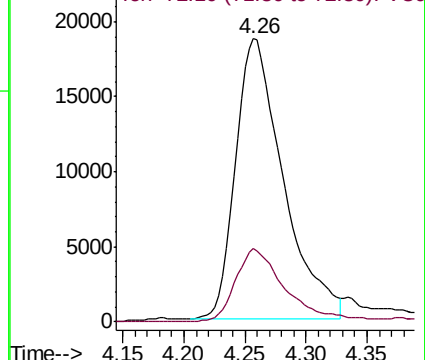
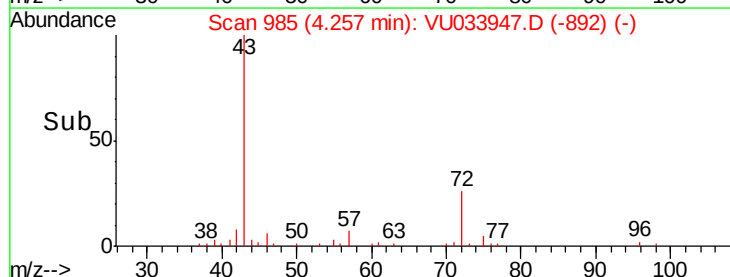
Ion Ratio Lower Upper

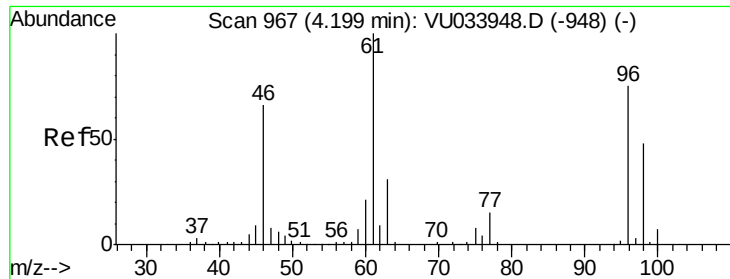
43 100

72 26.9 12.3 36.8



Abundance Ion 43.05 (42.75 to 43.75): VU033947.D (-892) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.276 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

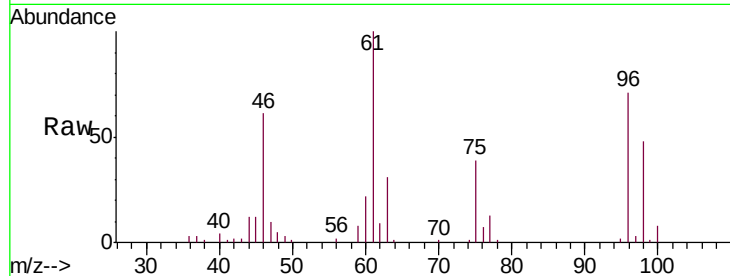
Tgt Ion: 96 Resp: 20967

Ion Ratio Lower Upper

96 100

61 141.8 93.8 174.2

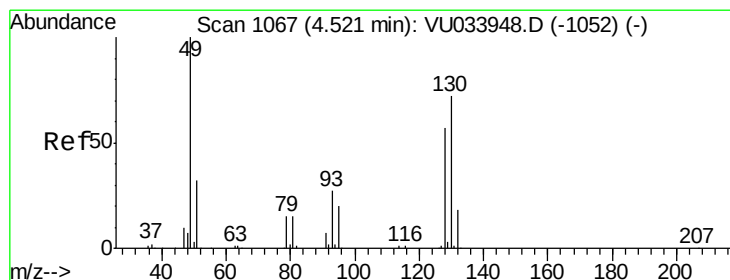
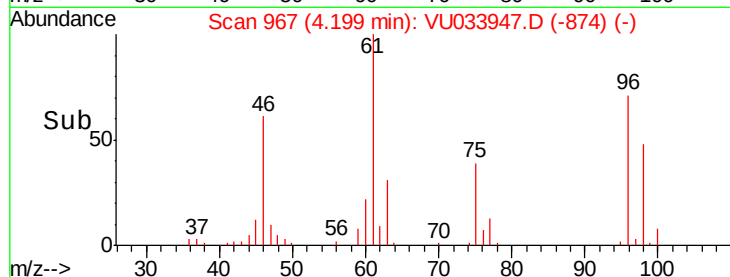
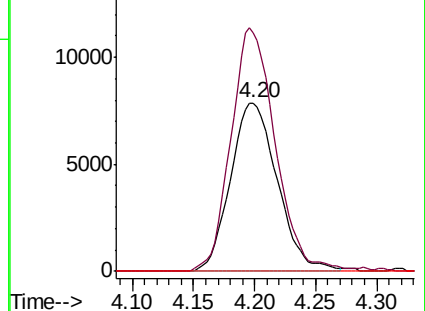
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033948.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU033948.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU033948.D (-948) (-)



#23

Bromochloromethane

Concen: 1.227 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Tgt Ion: 128 Resp: 9696

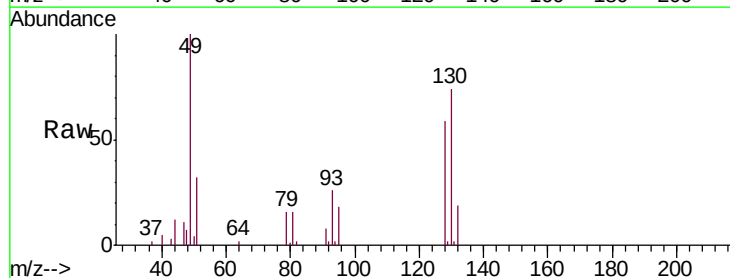
Ion Ratio Lower Upper

128 100

49 170.2 122.4 227.2

130 126.8 87.8 163.0

51 54.8 44.0 66.0

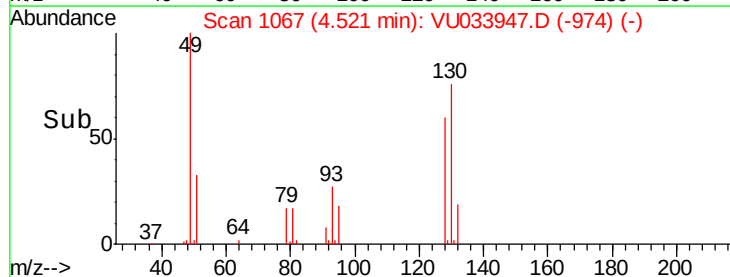
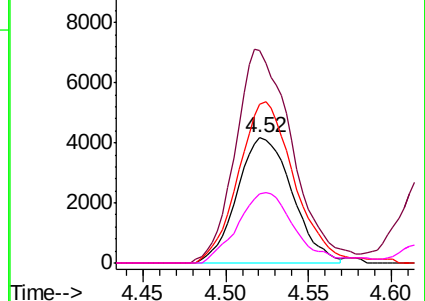


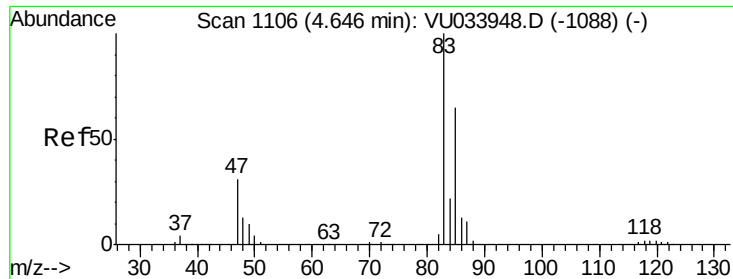
Abundance Ion 127.90 (127.60 to 128.60): VU033948.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU033948.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU033948.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU033948.D (-1052) (-)

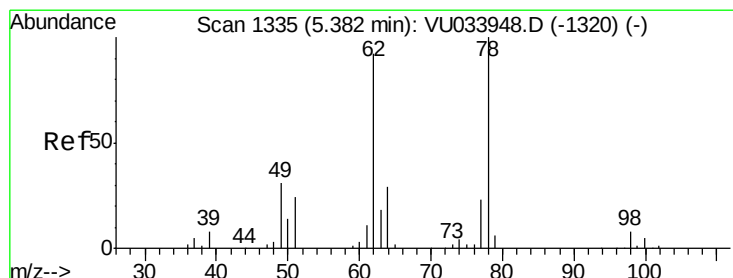
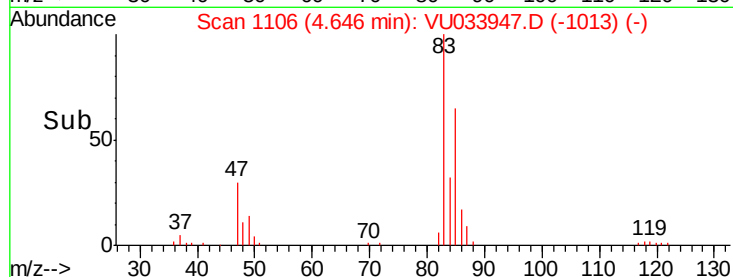
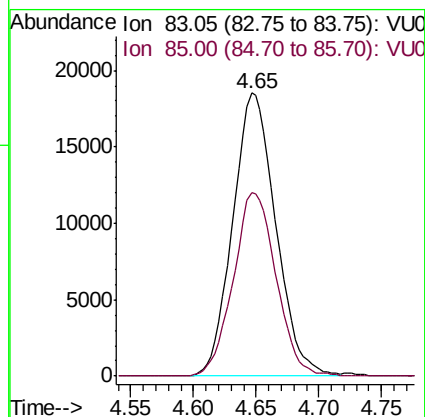
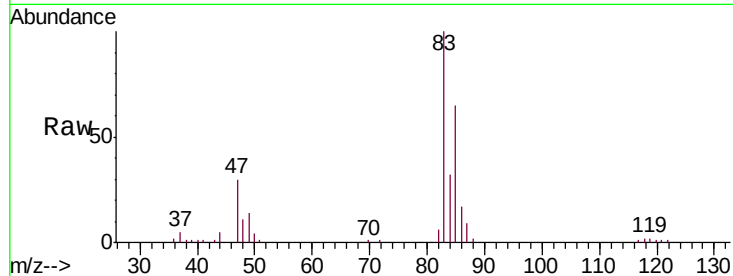




#25
Chloroform
Concen: 1.301 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033947.D
Acq: 26 Aug 2019 11:06

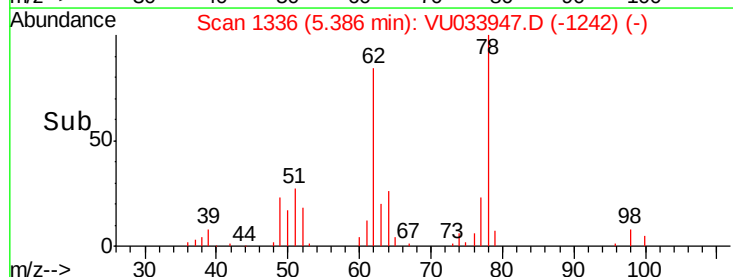
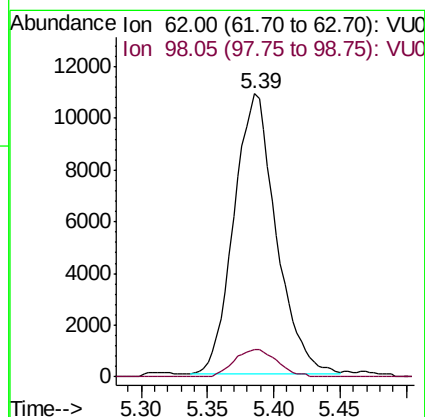
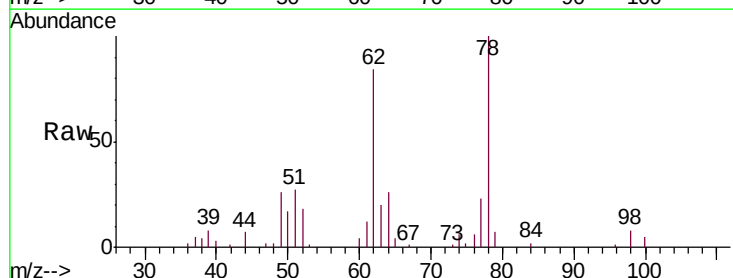
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

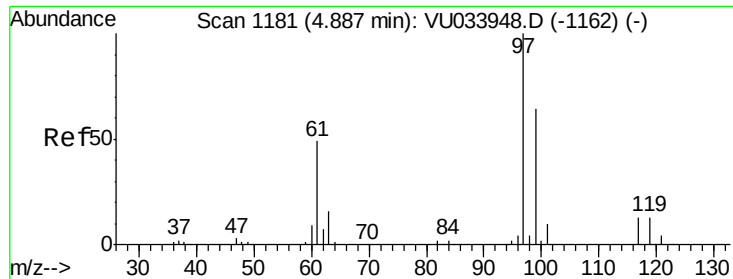
Tgt Ion: 83 Resp: 44150
Ion Ratio Lower Upper
83 100
85 64.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 1.214 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU033947.D
Acq: 26 Aug 2019 11:06

Tgt Ion: 62 Resp: 23942
Ion Ratio Lower Upper
62 100
98 9.8 7.2 10.8

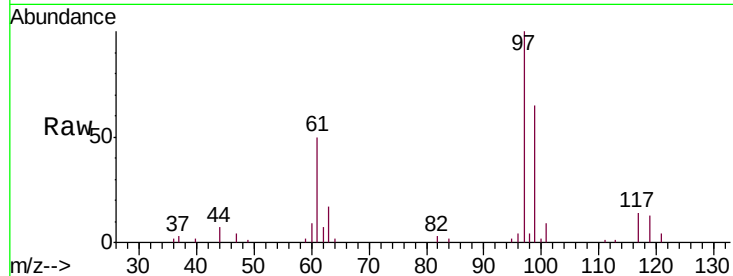




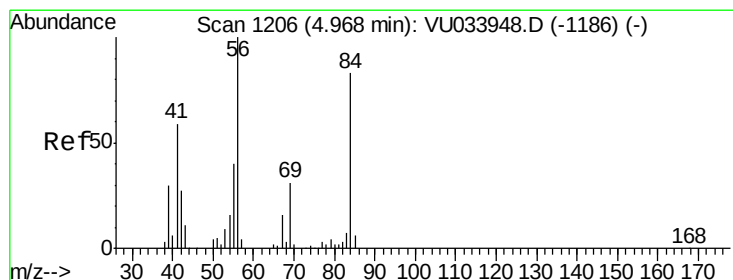
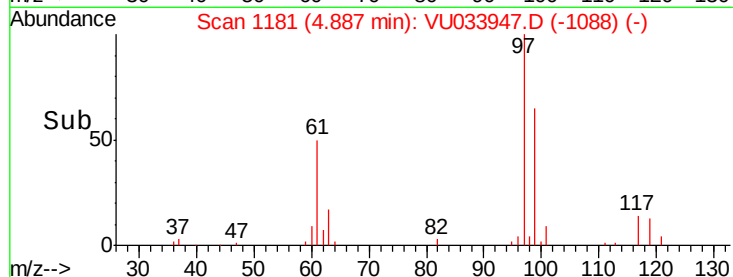
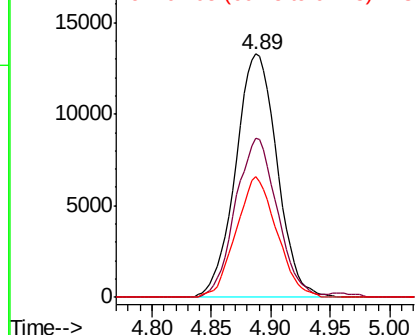
#29
 1,1,1-Trichloroethane
 Concen: 1.248 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion: 97 Resp: 32124
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.5 77.3
 61 48.4 39.1 58.7

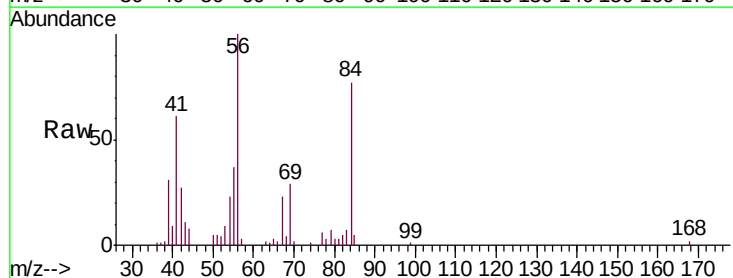


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

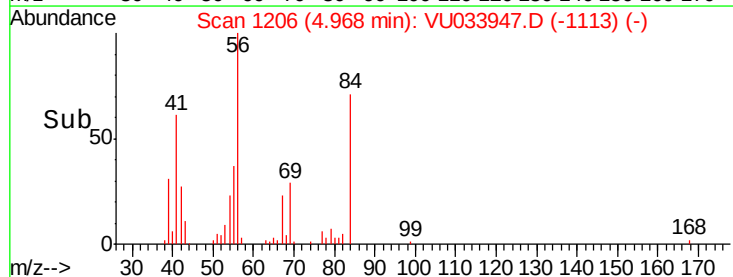
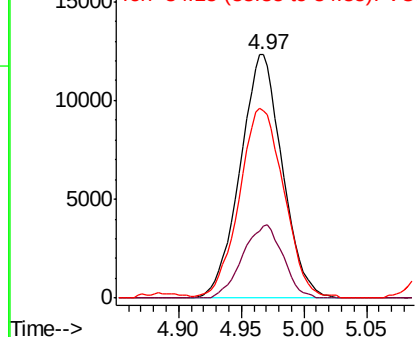


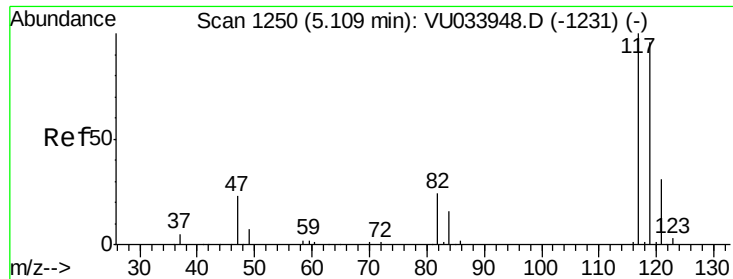
#30
 Cyclohexane
 Concen: 1.262 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

Tgt Ion: 56 Resp: 28803
 Ion Ratio Lower Upper
 56 100
 69 28.7 23.5 35.3
 84 82.5 66.3 99.5



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: 1.216 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

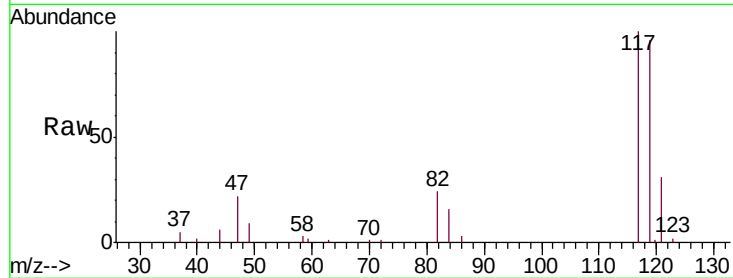
VSTD00101

Tgt Ion:117 Resp: 28046

Ion Ratio Lower Upper

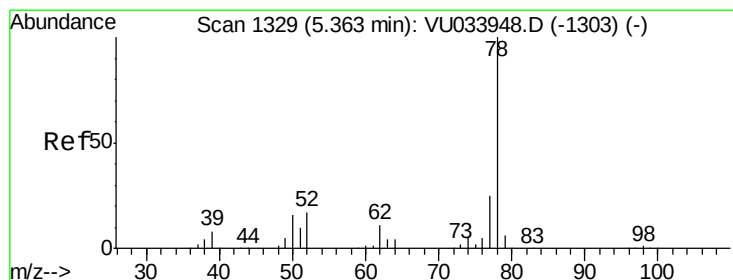
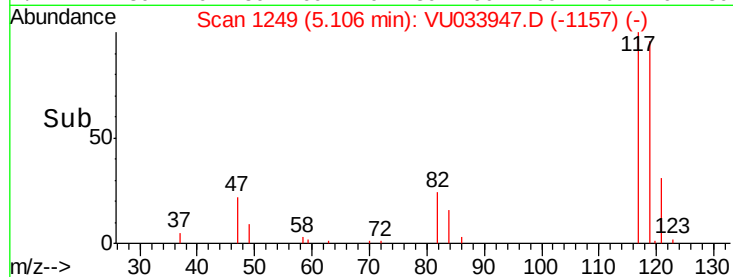
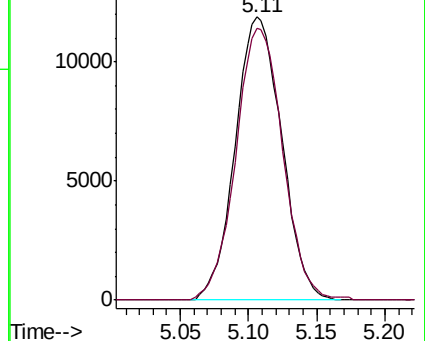
117 100

119 97.1 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.240 ug/L

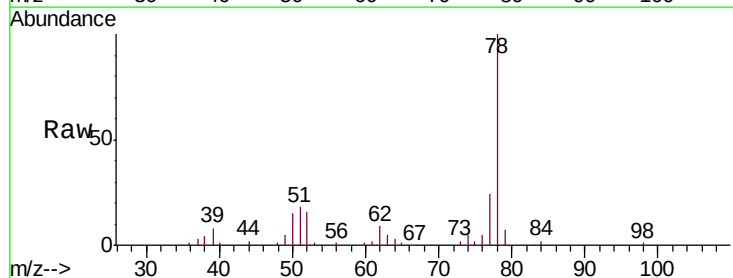
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

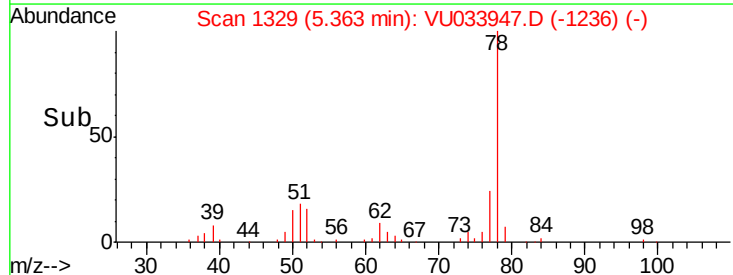
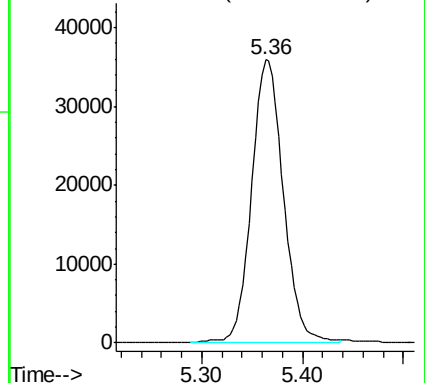
Lab File: VU033947.D

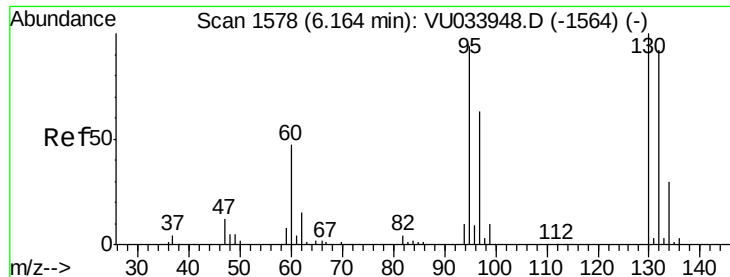
Acq: 26 Aug 2019 11:06

Tgt Ion: 78 Resp: 78546



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.228 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

Tgt Ion: 95 Resp: 20474

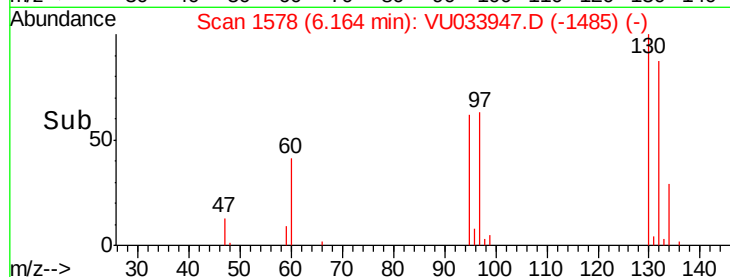
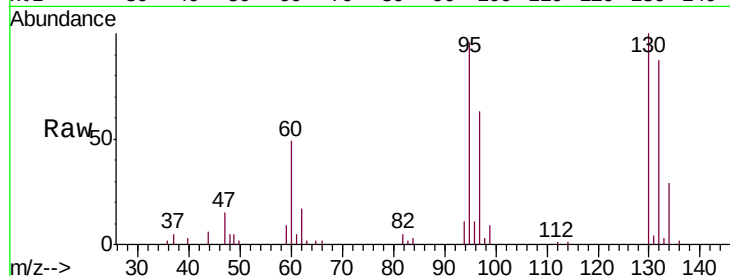
Ion Ratio Lower Upper

95 100

97 65.4 46.9 87.1

132 91.2 67.9 126.1

130 104.4 74.1 137.7

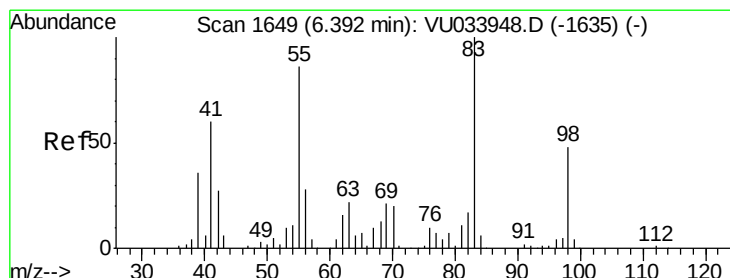
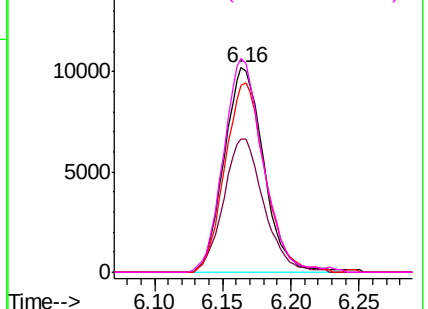


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.159 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

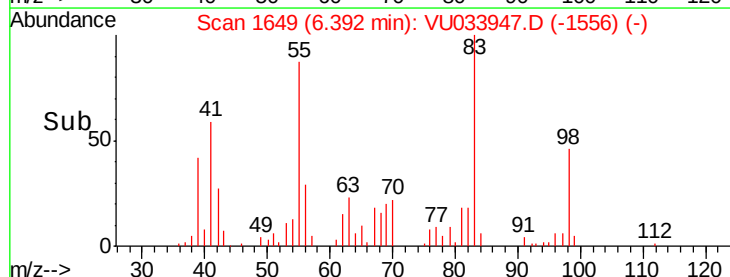
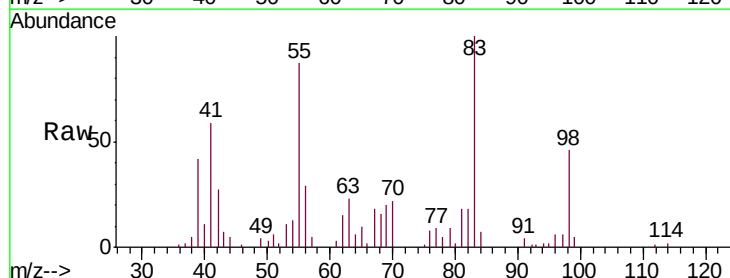
Tgt Ion: 83 Resp: 27686

Ion Ratio Lower Upper

83 100

55 87.3 68.6 103.0

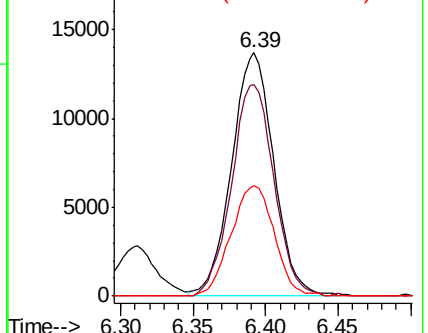
98 46.5 38.7 58.1

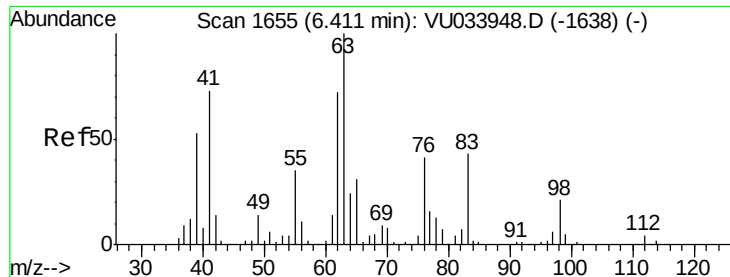


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

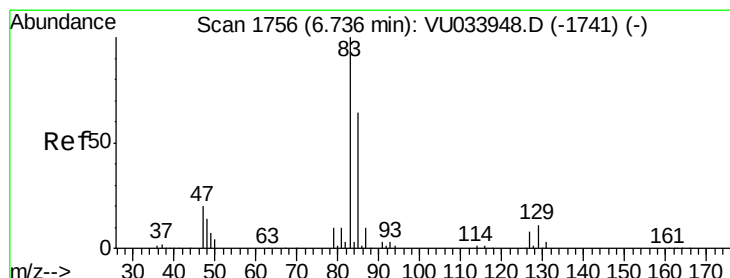
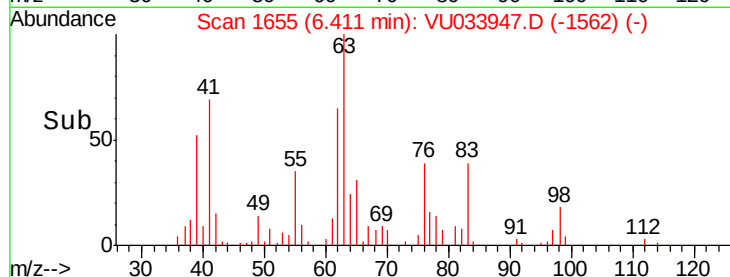
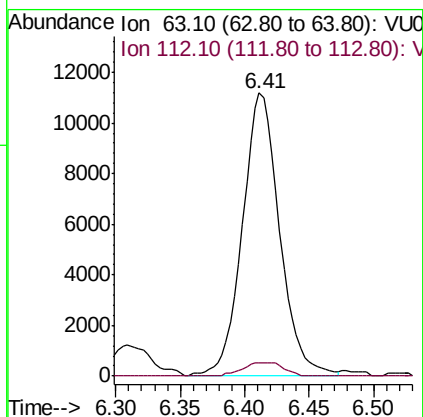
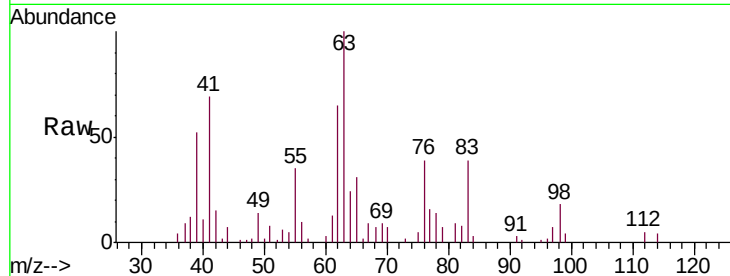




#37
 1,2-Dichloropropane
 Concen: 1.343 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

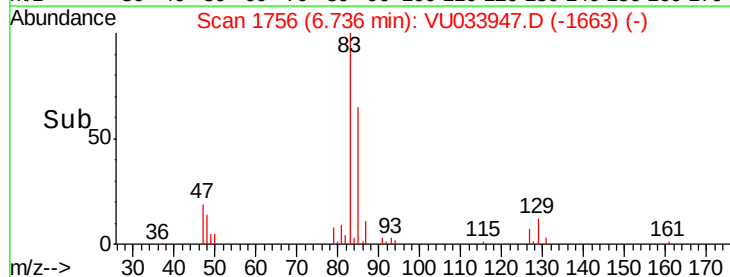
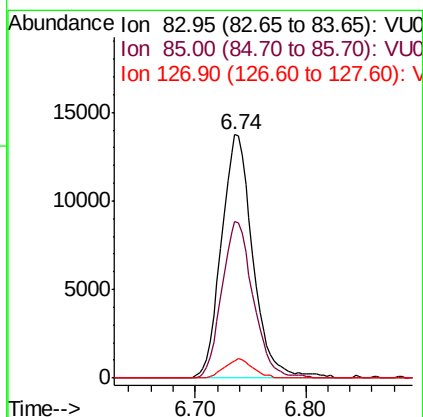
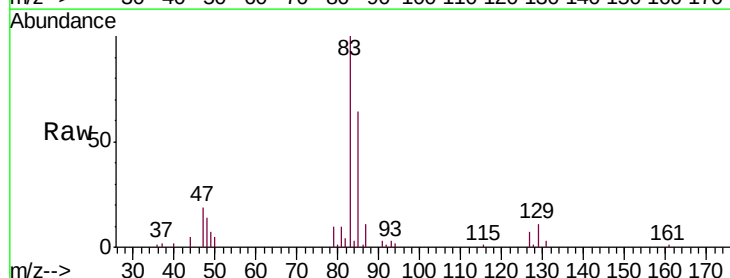
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

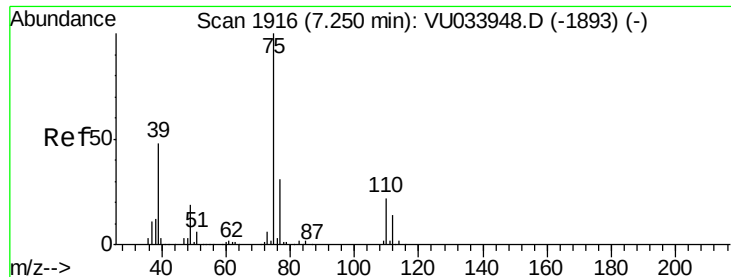
Tgt Ion: 63 Resp: 22559
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.4 5.0#



#38
 Bromodichloromethane
 Concen: 1.271 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

Tgt Ion: 83 Resp: 27204
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.5 82.7
 127 7.2 6.6 9.8

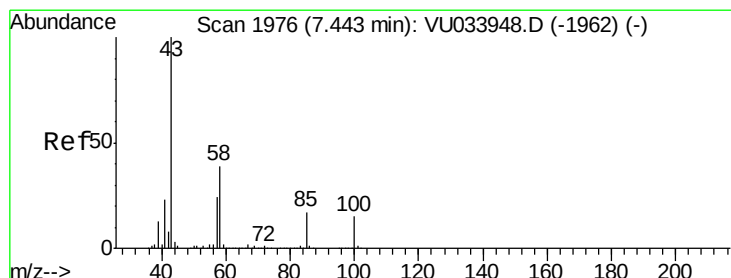
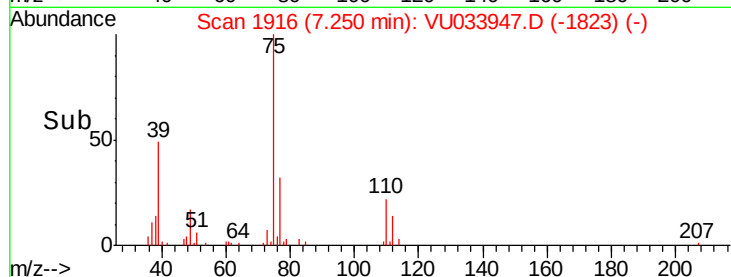
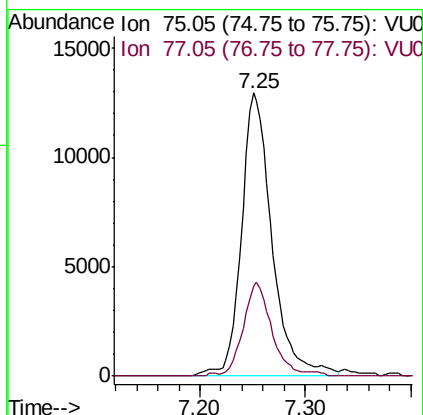
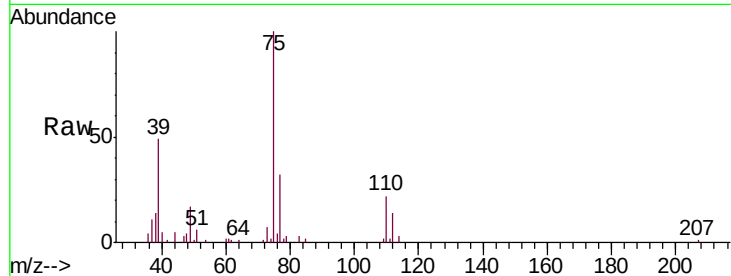




#39
 cis-1,3-Dichloropropene
 Concen: 1.174 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

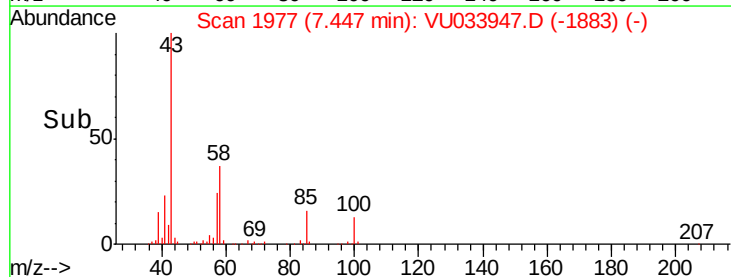
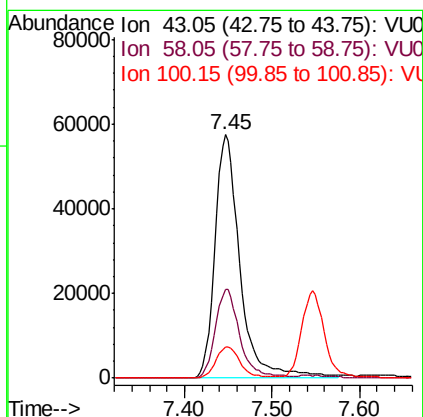
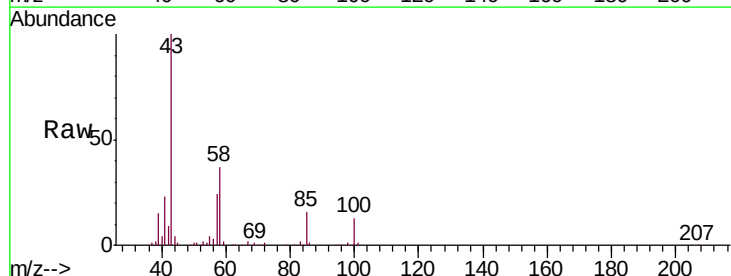
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00101

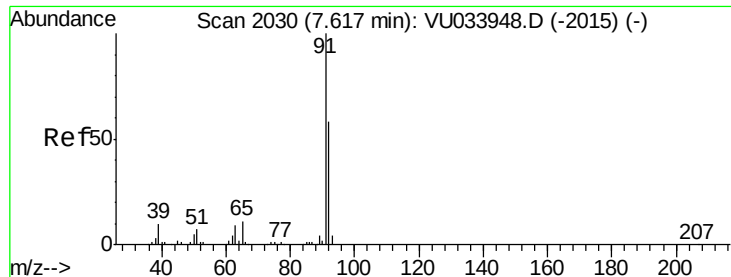
Tgt Ion: 75 Resp: 26057
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 12.019 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

Tgt Ion: 43 Resp: 114392
 Ion Ratio Lower Upper
 43 100
 58 35.8 30.3 45.5
 100 12.4 11.4 17.2





#42

Toluene

Concen: 1.164 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

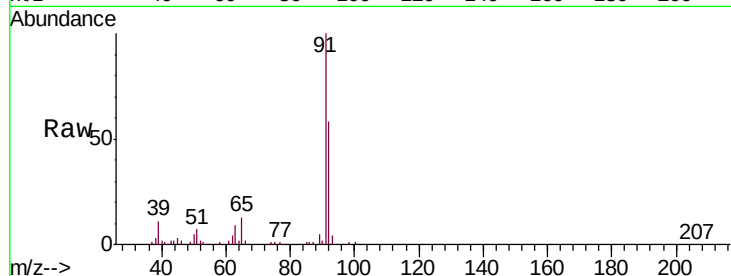
VSTD00101

Tgt Ion: 91 Resp: 74683

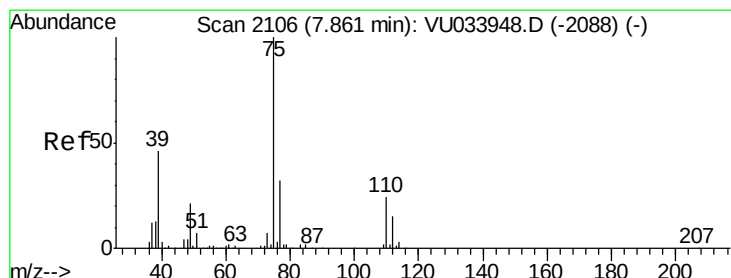
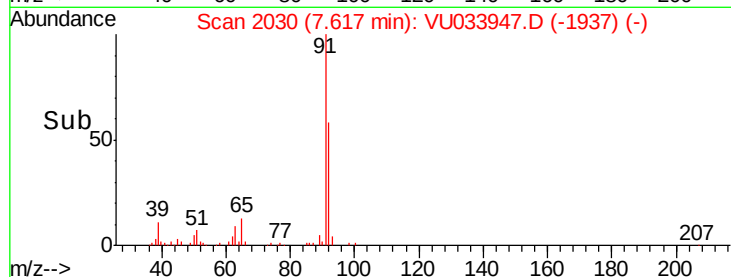
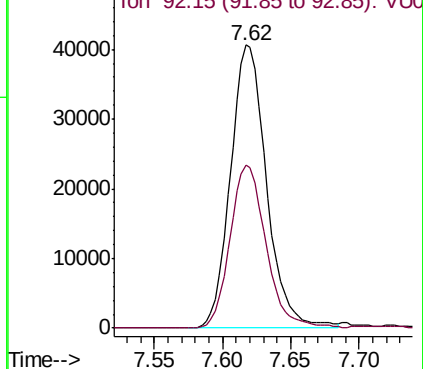
Ion Ratio Lower Upper

91 100

92 57.5 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU033948.D (-2015) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.142 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033947.D

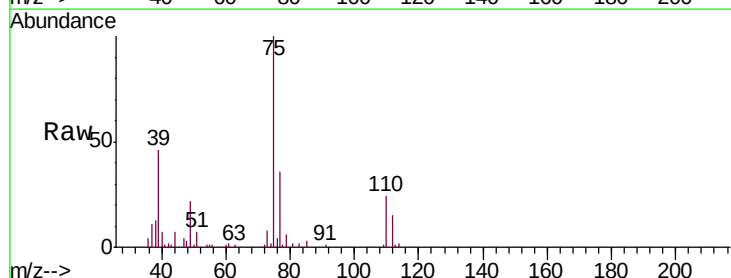
Acq: 26 Aug 2019 11:06

Tgt Ion: 75 Resp: 21286

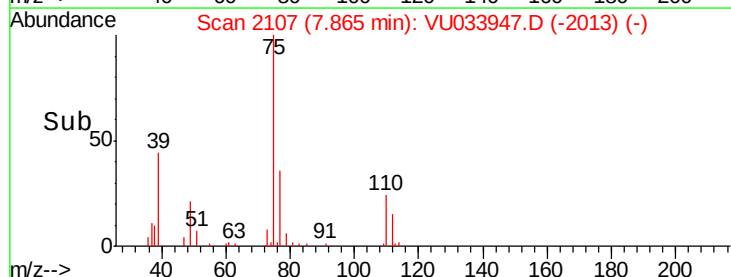
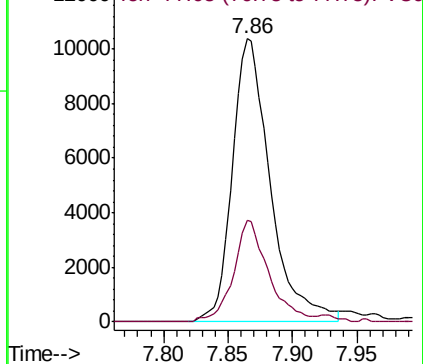
Ion Ratio Lower Upper

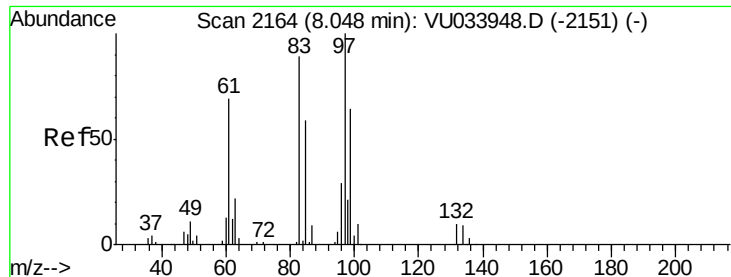
75 100

77 35.8 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU033948.D (-2088) (-)

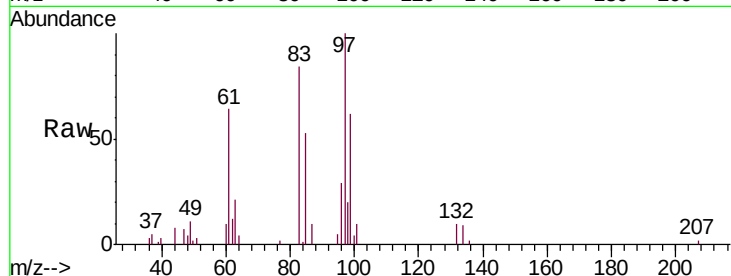




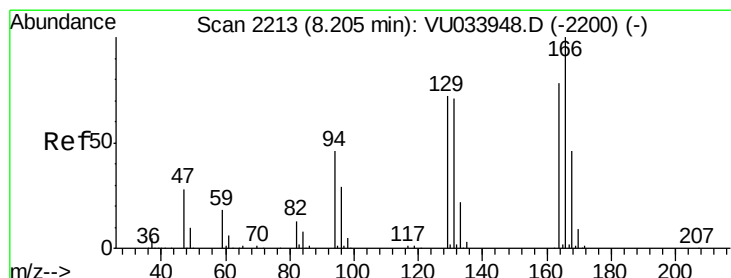
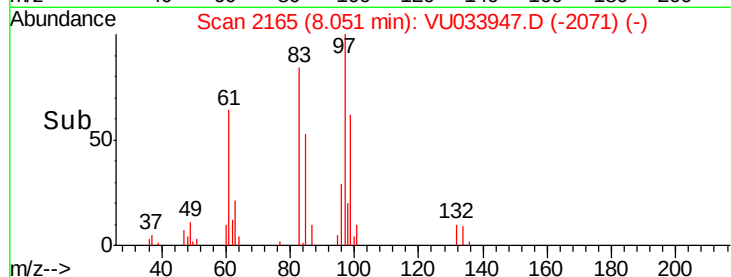
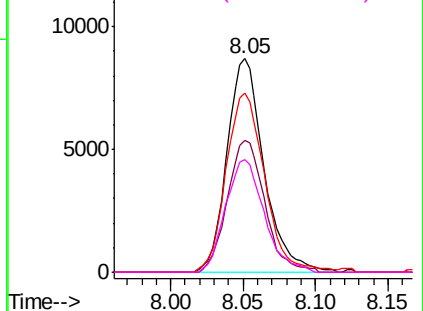
#45
 1,1,2-Trichloroethane
 Concen: 1.305 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion:	97	Resp:	15443
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.9	83.3
83	83.8	62.6	116.3
85	52.9	41.0	76.2

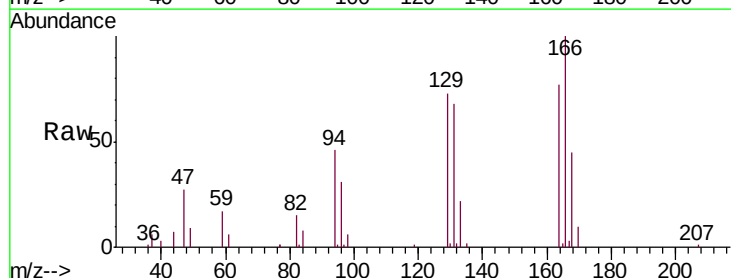


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

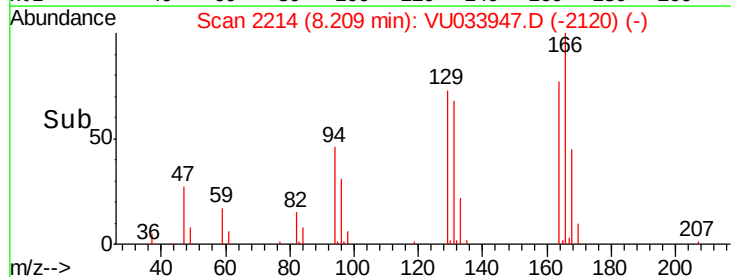
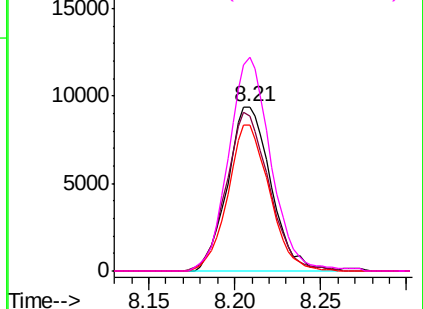


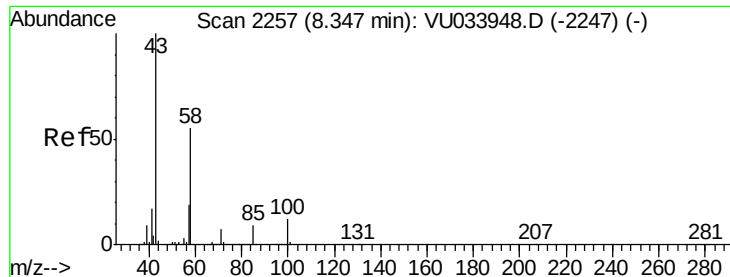
#47
 Tetrachloroethene
 Concen: 1.214 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

Tgt Ion:	164	Resp:	16533
Ion	Ratio	Lower	Upper
164	100		
129	94.5	64.9	120.5
131	88.9	63.7	118.3
166	129.9	89.9	167.0



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

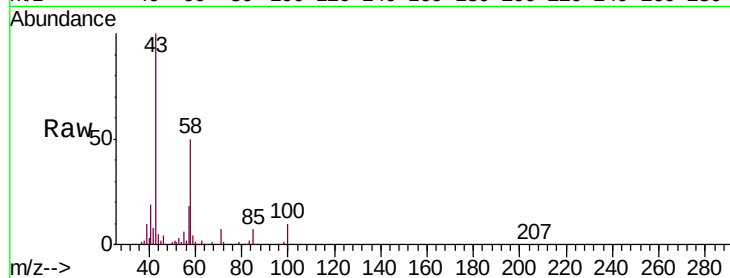




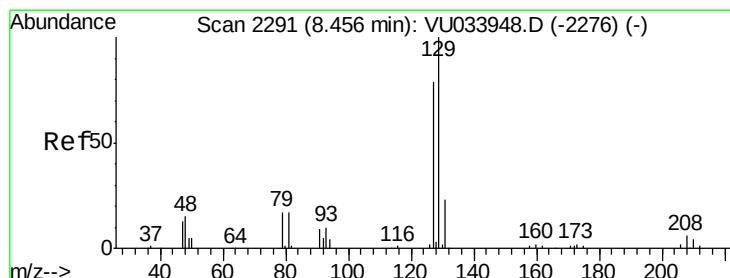
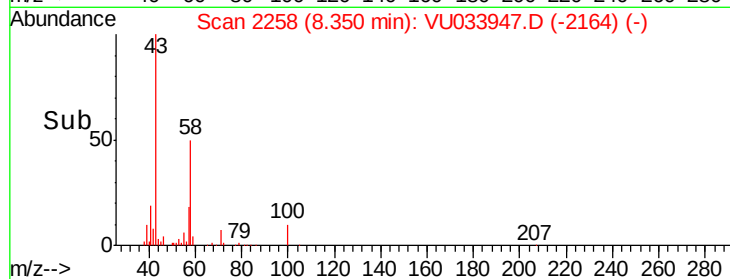
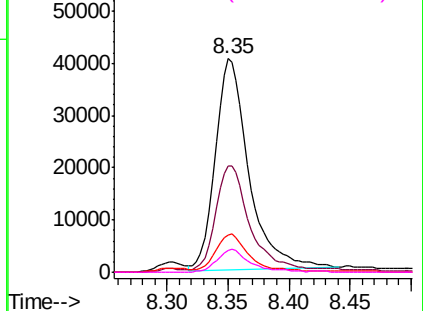
#48
2-Hexanone
Concen: 11.319 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU033947.D
Acq: 26 Aug 2019 11:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion:	43	Resp:	78107
Ion	Ratio	Lower	Upper
43	100		
58	50.3	42.9	64.3
57	16.9	14.8	22.2
100	10.8	9.0	13.6

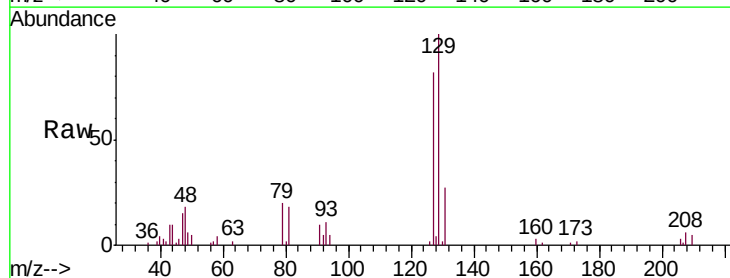


Abundance Ion 43.05 (42.75 to 43.75): VU033947.D (-2164) (-)
Ion 58.05 (57.75 to 58.75): VU033947.D (-2164) (-)
Ion 57.20 (56.90 to 57.90): VU033947.D (-2164) (-)
Ion 100.15 (99.85 to 100.85): VU033947.D (-2164) (-)

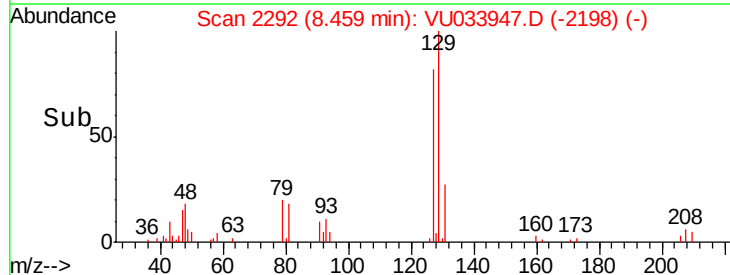
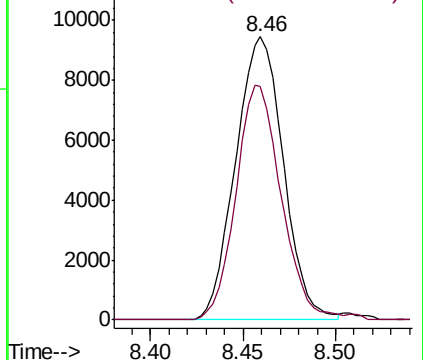


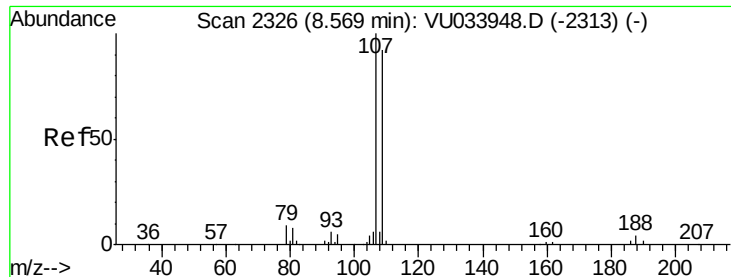
#49
Dibromochloromethane
Concen: 1.163 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033947.D
Acq: 26 Aug 2019 11:06

Tgt Ion:	129	Resp:	17019
Ion	Ratio	Lower	Upper
129	100		
127	82.5	55.6	103.2



Abundance Ion 128.95 (128.65 to 129.65): VU033947.D (-2198) (-)
Ion 126.90 (126.60 to 127.60): VU033947.D (-2198) (-)





#50

1,2-Dibromoethane

Concen: 1.208 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

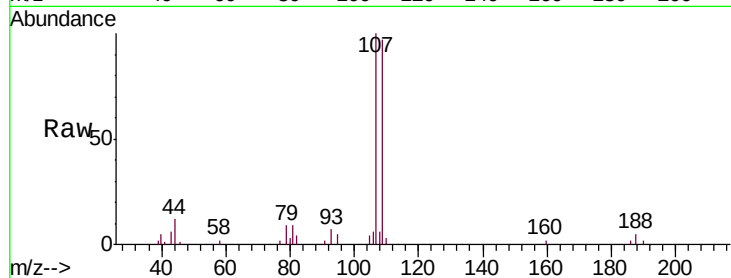
Tgt Ion:107 Resp: 13720

Ion Ratio Lower Upper

107 100

109 96.5 64.7 120.1

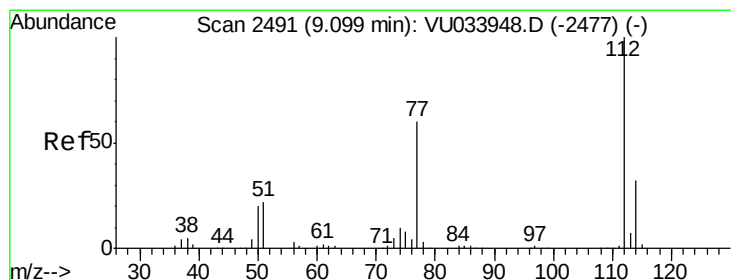
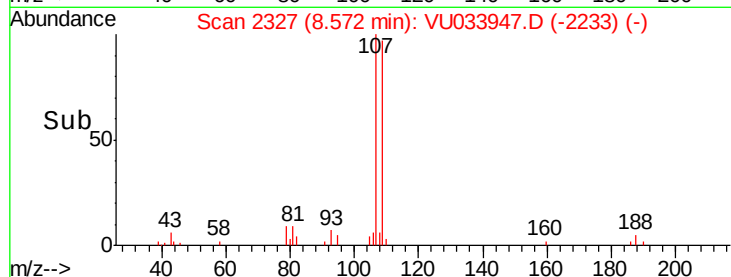
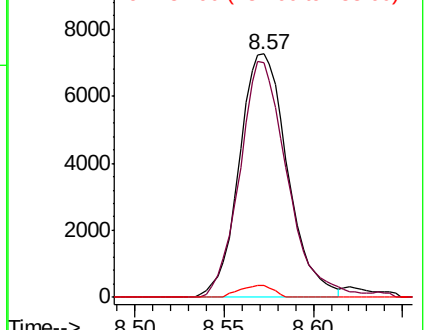
188 4.9 3.4 5.2



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: 1.247 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

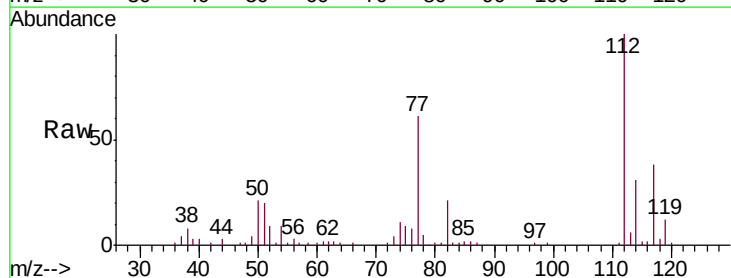
Tgt Ion:112 Resp: 52805

Ion Ratio Lower Upper

112 100

114 31.2 22.3 41.5

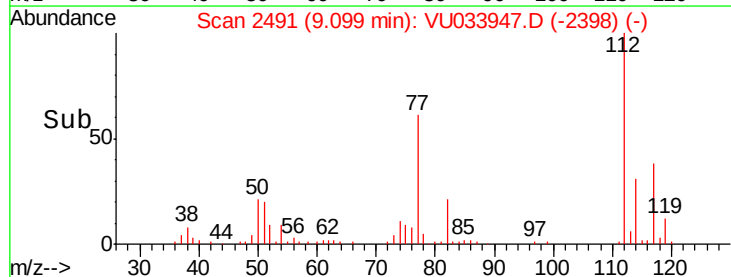
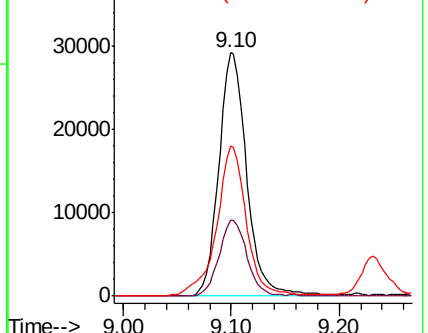
77 61.5 48.0 72.0

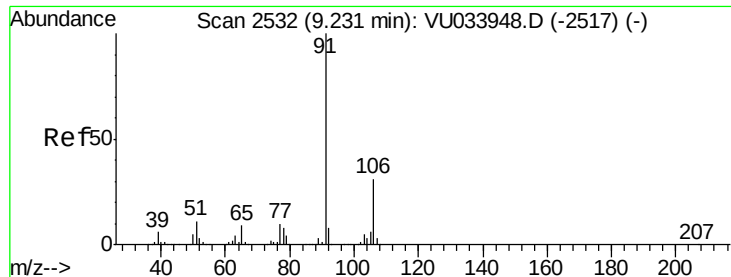


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 1.133 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

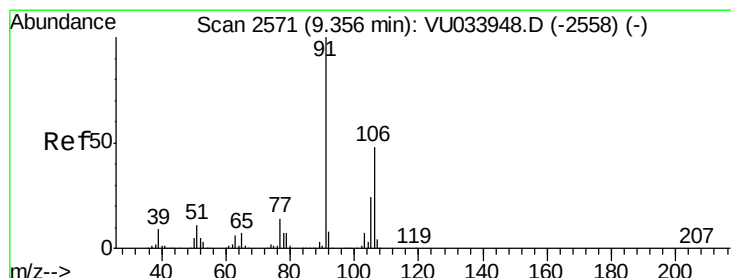
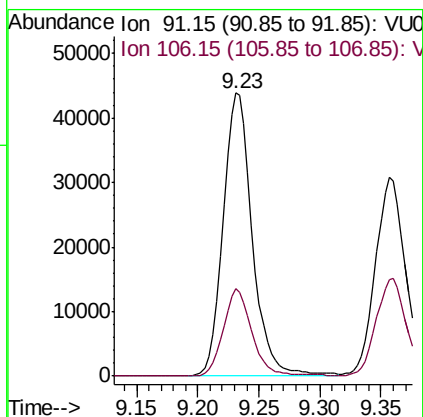
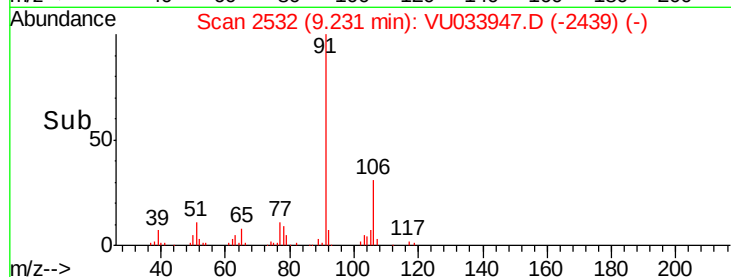
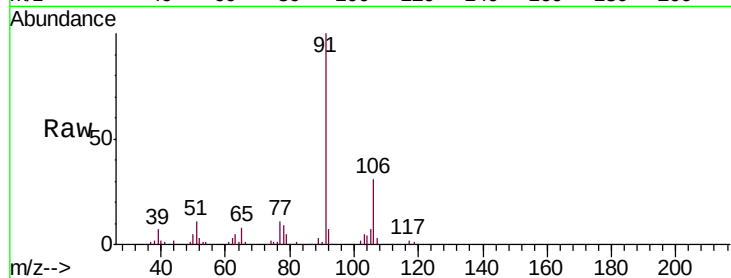
VSTD00101

Tgt Ion: 91 Resp: 73786

Ion Ratio Lower Upper

91 100

106 30.9 22.0 40.8



#53

m,p-Xylene

Concen: 1.089 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033947.D

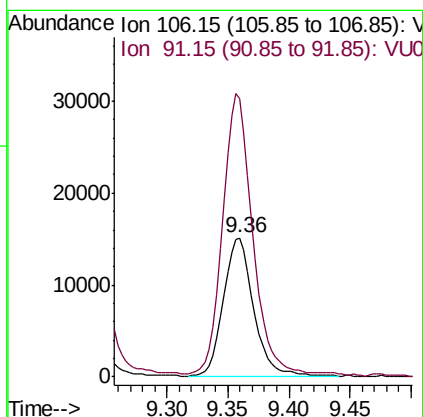
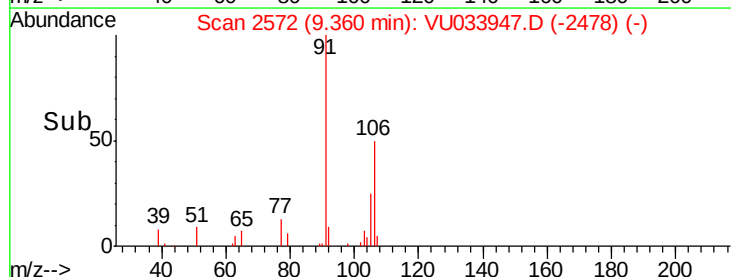
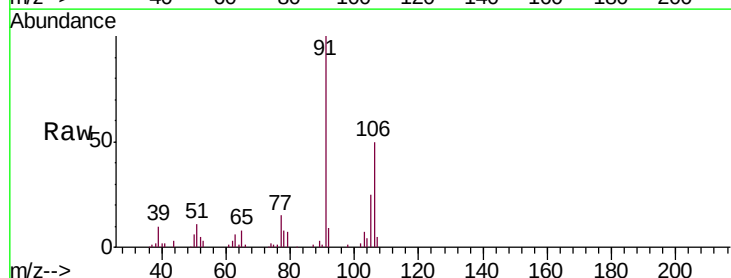
Acq: 26 Aug 2019 11:06

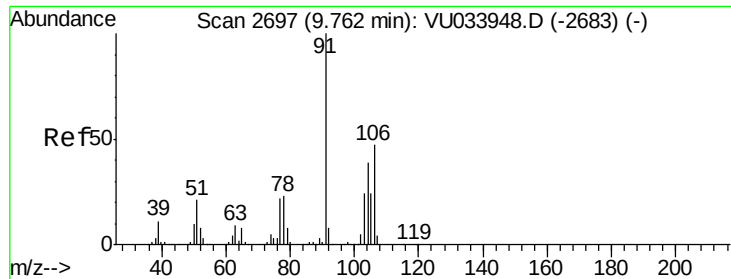
Tgt Ion: 106 Resp: 26694

Ion Ratio Lower Upper

106 100

91 199.5 145.1 269.5

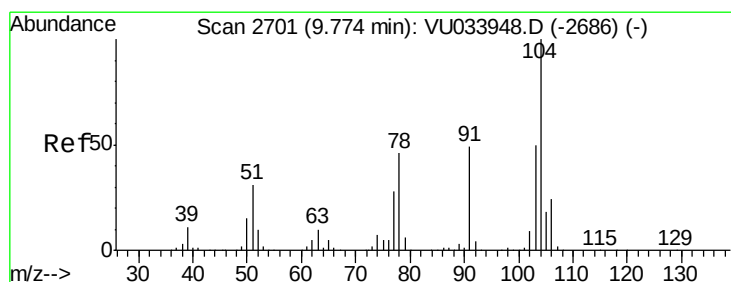
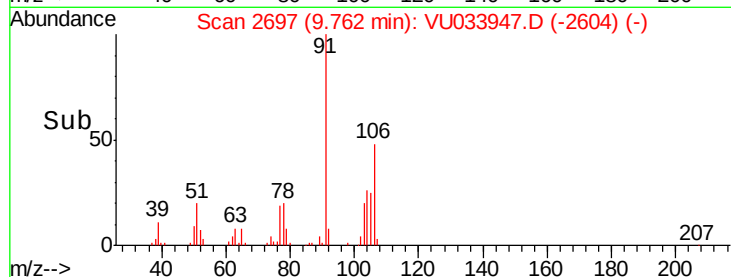
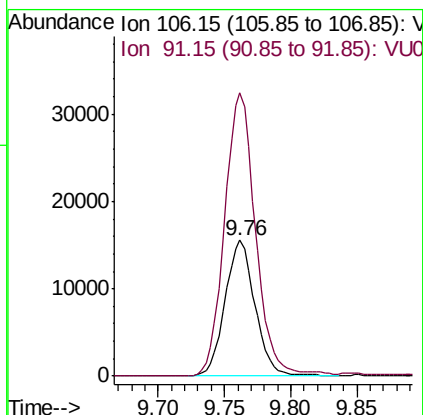
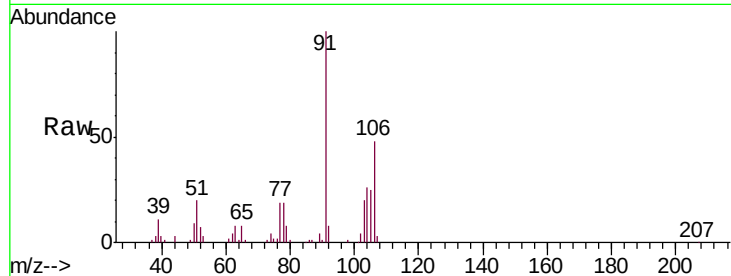




#54
o-Xylene
Concen: 1.041 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033947.D
Acq: 26 Aug 2019 11:06

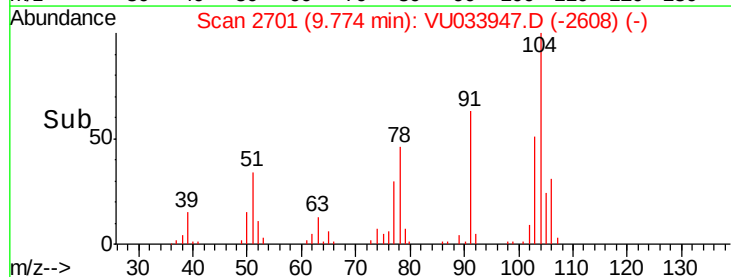
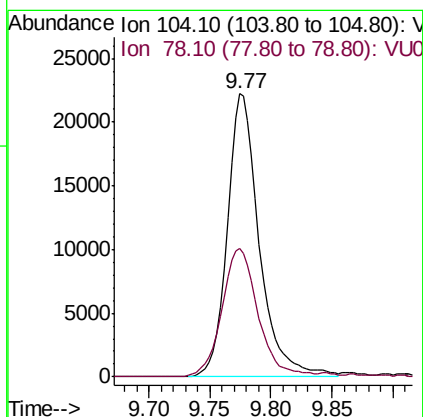
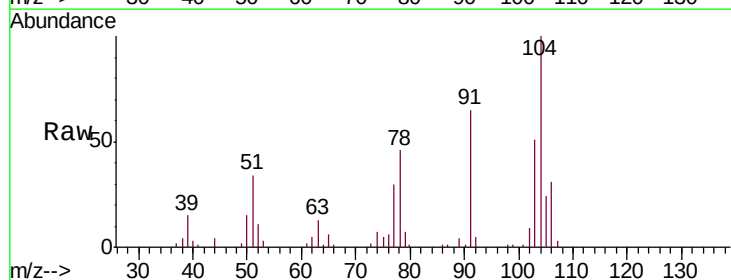
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

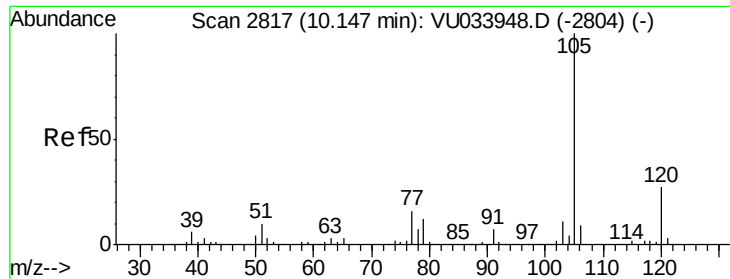
Tgt Ion:106 Resp: 24517
Ion Ratio Lower Upper
106 100
91 208.8 150.6 279.6



#55
Styrene
Concen: 0.995 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033947.D
Acq: 26 Aug 2019 11:06

Tgt Ion:104 Resp: 40759
Ion Ratio Lower Upper
104 100
78 45.6 31.9 59.3





#56

Isopropylbenzene

Concen: 1.075 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampled :

VSTD00101

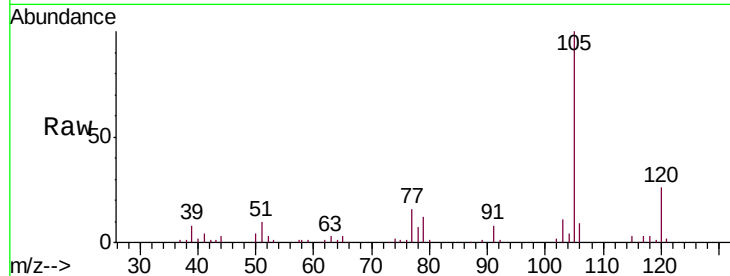
Tgt Ion: 105 Resp: 65268

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.2

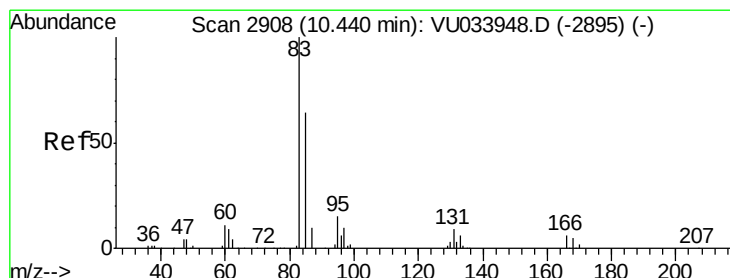
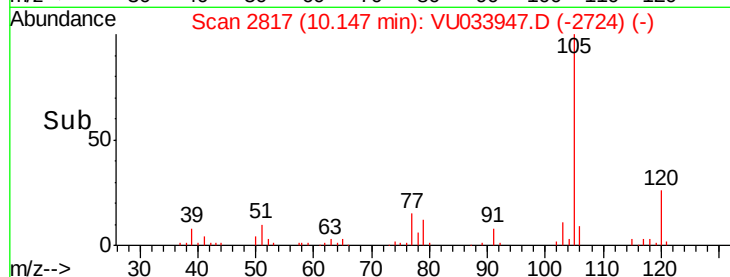
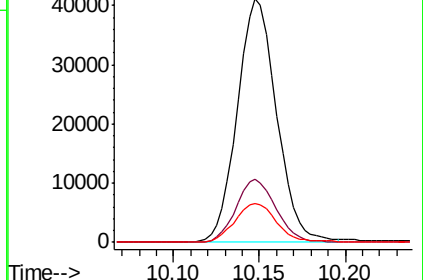
77 16.8 13.3 19.9



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: 1.261 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

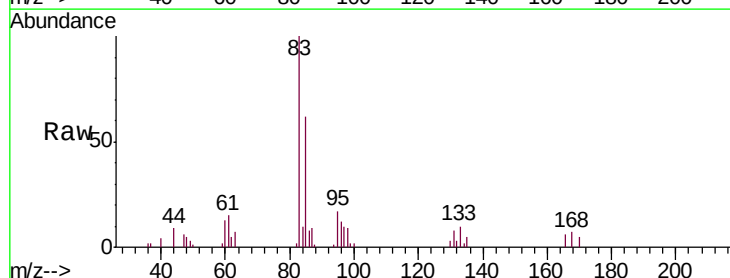
Tgt Ion: 83 Resp: 19068

Ion Ratio Lower Upper

83 100

85 61.5 45.1 83.9

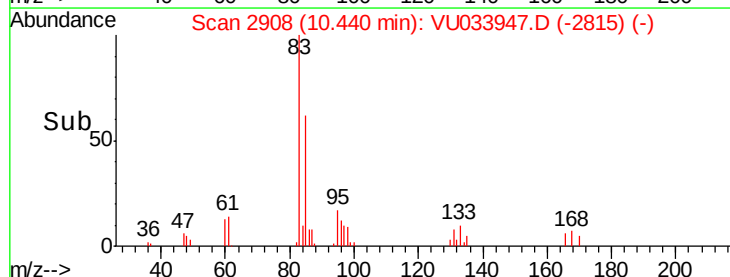
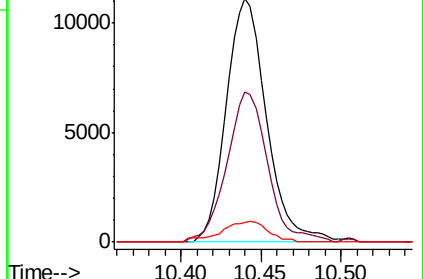
131 8.1 7.8 11.8

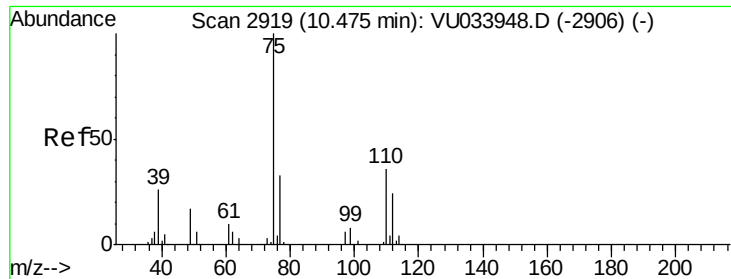


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.219 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

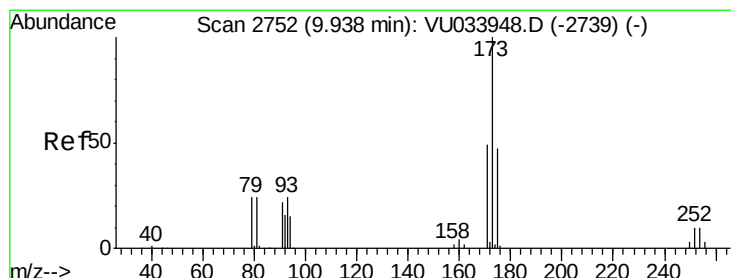
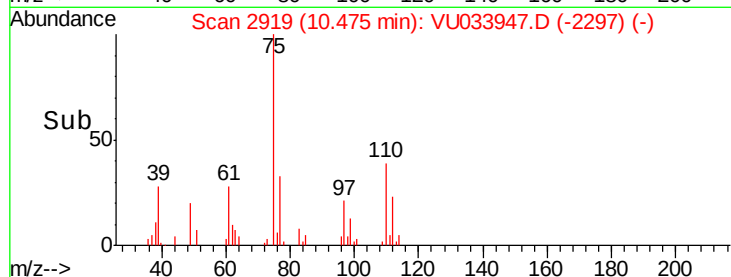
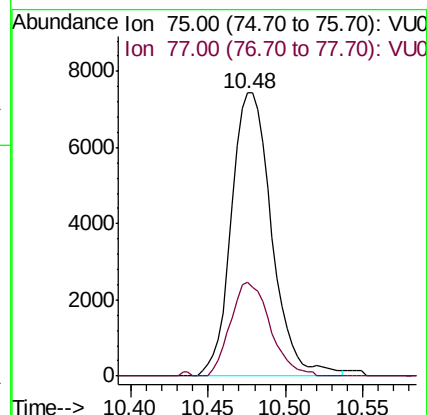
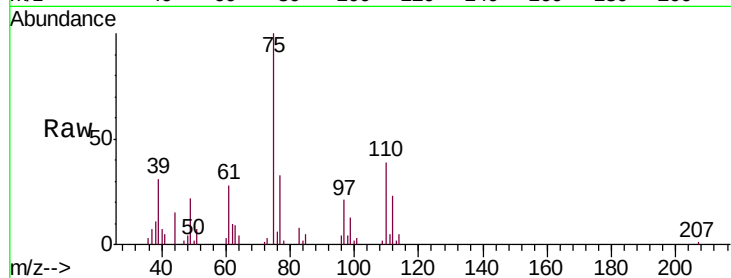
VSTD00101

Tgt Ion: 75 Resp: 13439

Ion Ratio Lower Upper

75 100

77 32.7 24.9 37.3



#61

Bromoform

Concen: 1.258 ug/L

RT: 9.94 min Scan# 2754

Delta R.T. 0.01 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

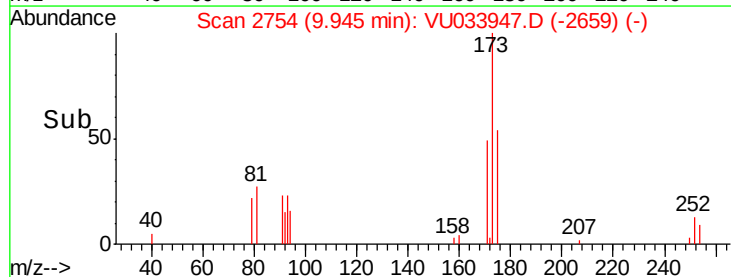
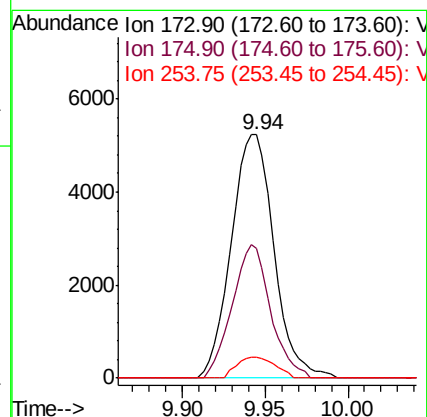
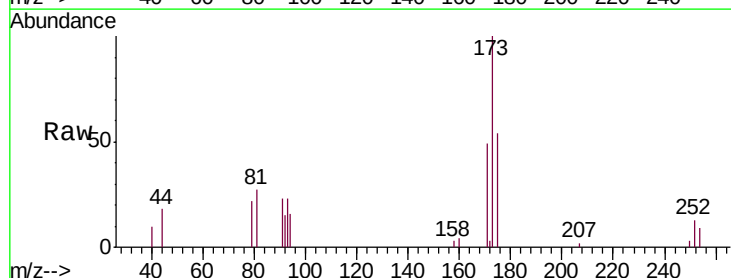
Tgt Ion: 173 Resp: 9390

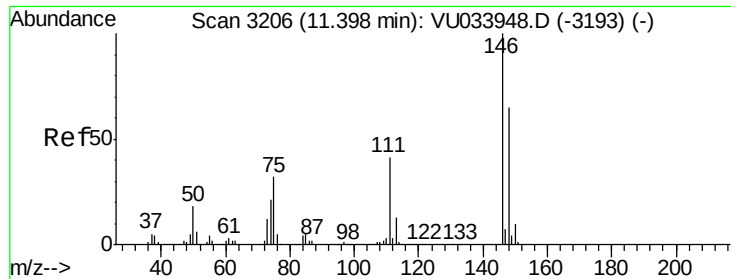
Ion Ratio Lower Upper

173 100

175 49.1 38.2 57.2

254 7.7 8.4 12.6#

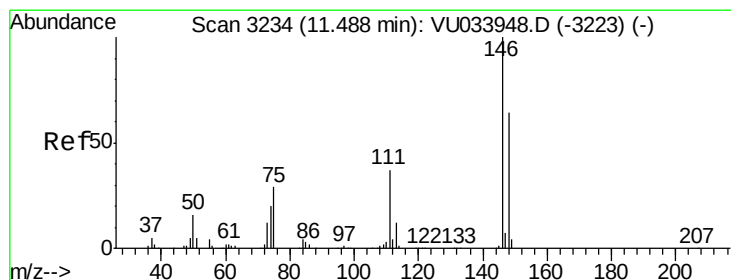
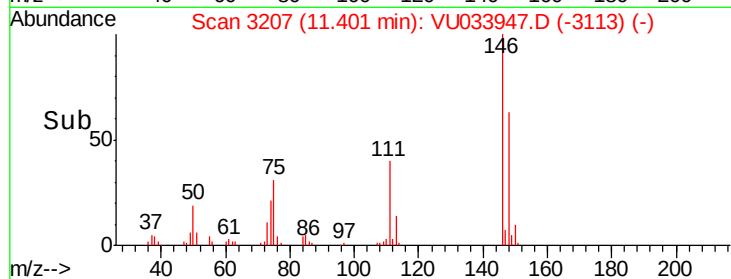
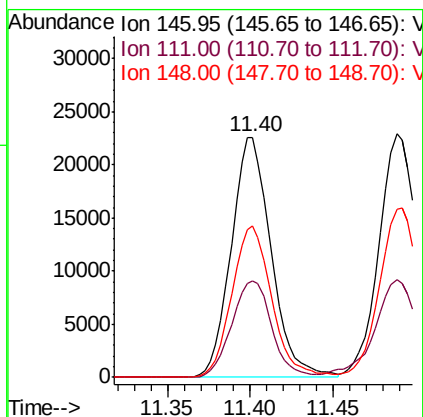
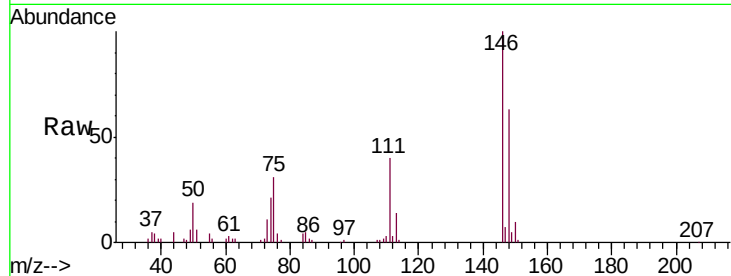




#62
 1,3-Dichlorobenzene
 Concen: 1.256 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

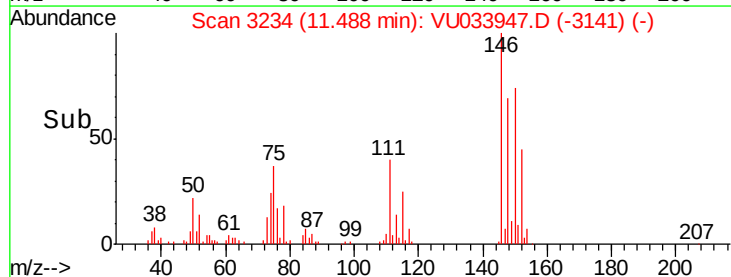
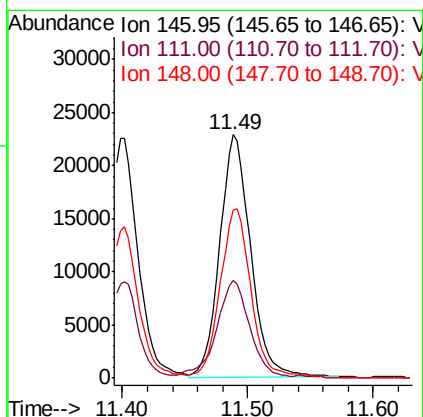
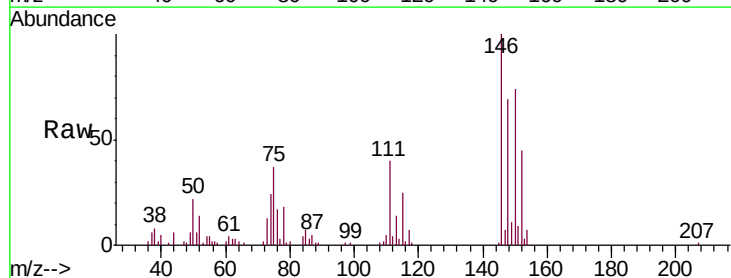
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

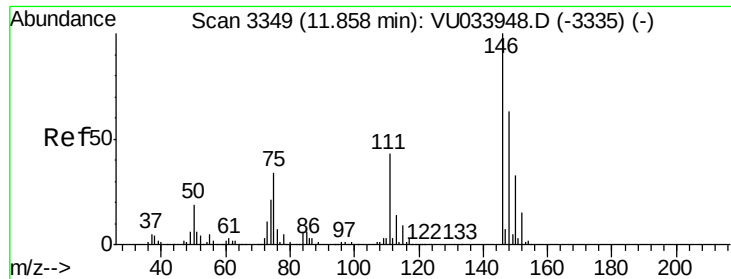
Tgt Ion:146 Resp: 37836
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.8 53.6
 148 63.0 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 1.253 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

Tgt Ion:146 Resp: 38870
 Ion Ratio Lower Upper
 146 100
 111 40.1 26.5 49.1
 148 69.1 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 1.282 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

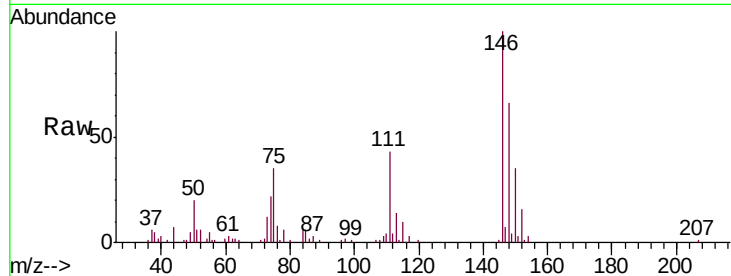
Tgt Ion:146 Resp: 37268

Ion Ratio Lower Upper

146 100

111 43.1 34.3 51.5

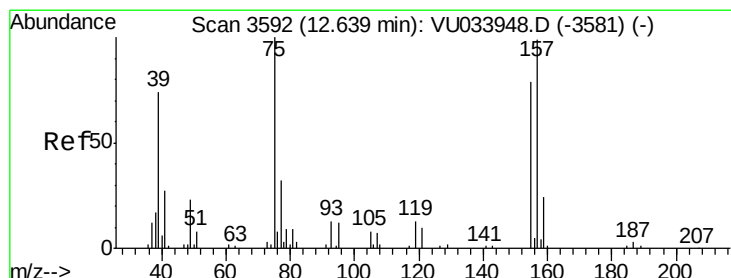
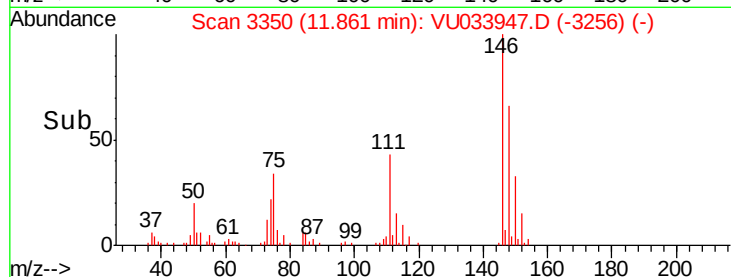
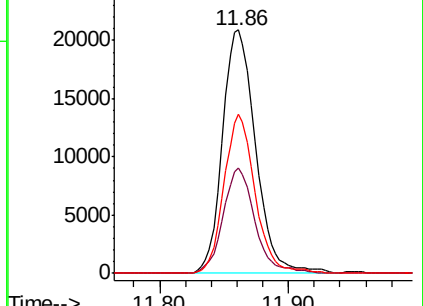
148 65.6 50.5 75.7



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: 1.360 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

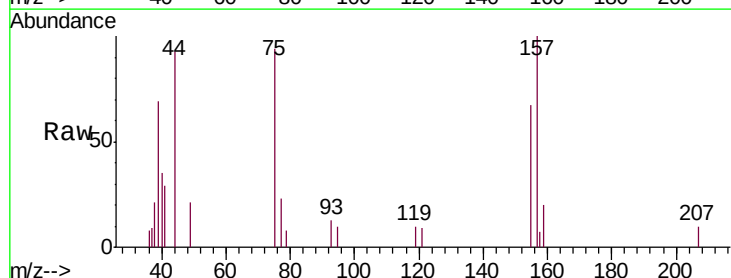
Tgt Ion: 75 Resp: 2846

Ion Ratio Lower Upper

75 100

155 71.4 63.0 94.4

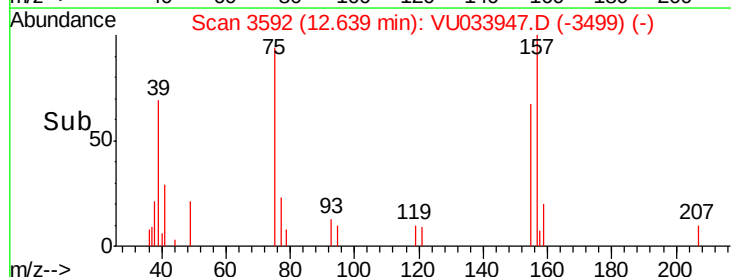
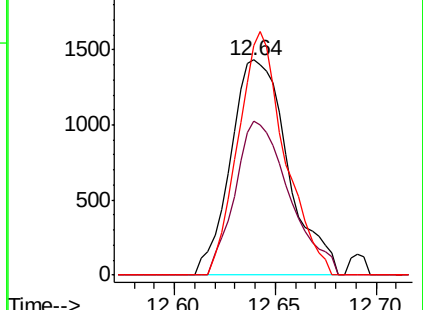
157 106.5 79.4 119.0

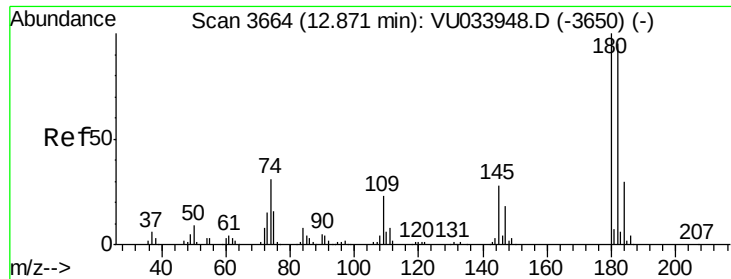


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

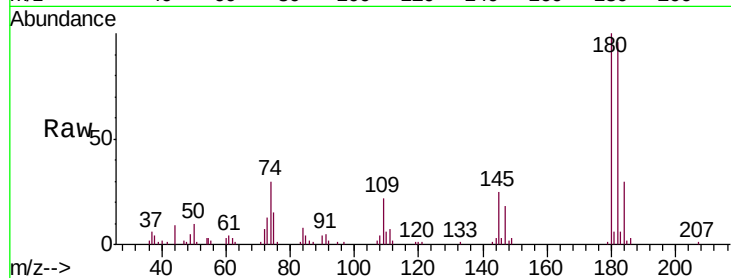




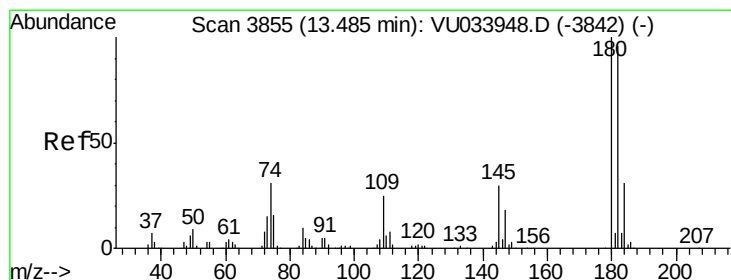
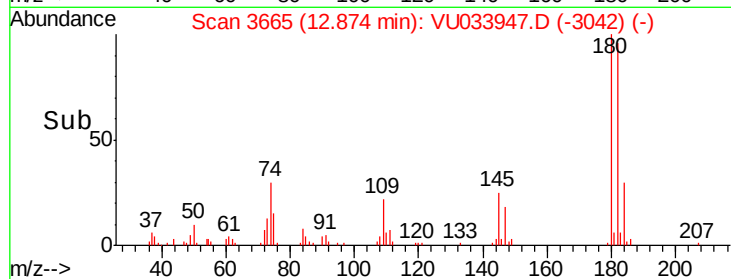
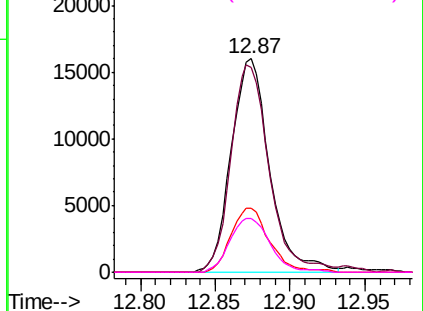
#67
 1,3,5-Trichlorobenzene
 Concen: 1.244 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion:	180	Resp:	28545
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.9	115.3
184	30.2	24.0	36.0
145	26.7	22.6	34.0

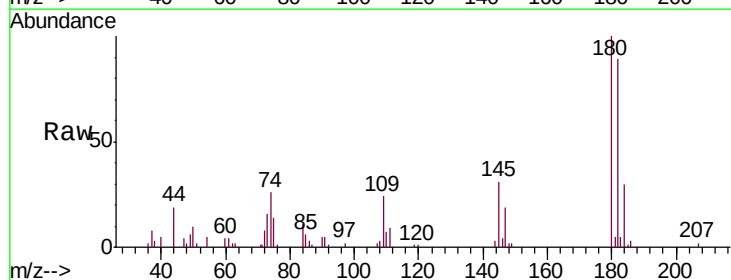


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

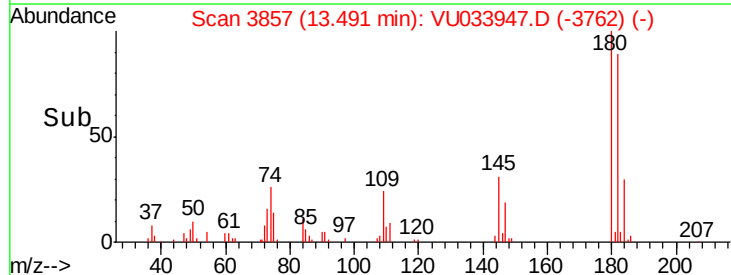
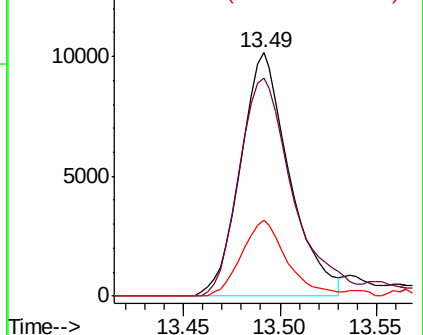


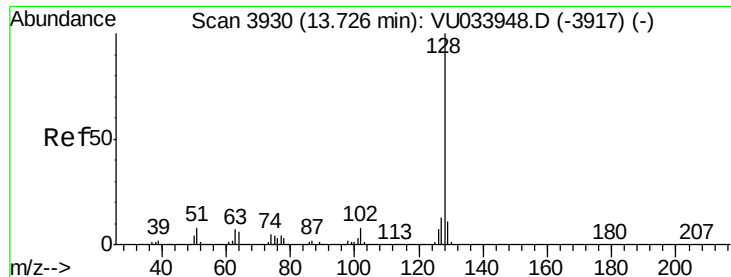
#68
 1,2,4-trichlorobenzene
 Concen: 1.058 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.01 min
 Lab File: VU033947.D
 Acq: 26 Aug 2019 11:06

Tgt Ion:	180	Resp:	17848
Ion	Ratio	Lower	Upper
180	100		
182	99.2	76.4	114.6
145	28.6	23.4	35.2



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: 0.949 ug/L

RT: 13.73 min Scan# 3932

Delta R.T. 0.01 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

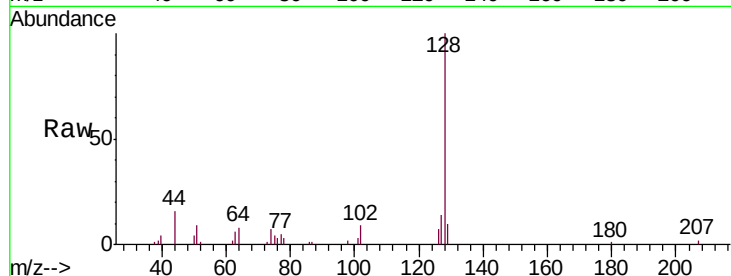
Tgt Ion:128 Resp: 23776

Ion Ratio Lower Upper

128 100

129 9.1 8.6 12.8

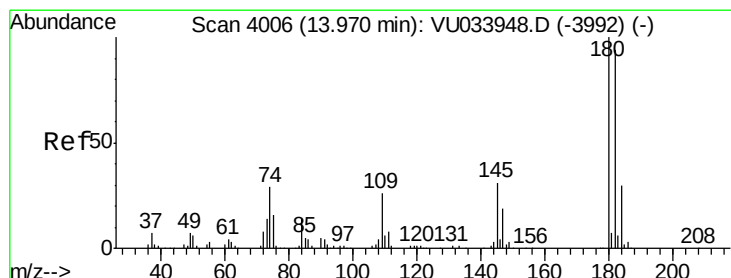
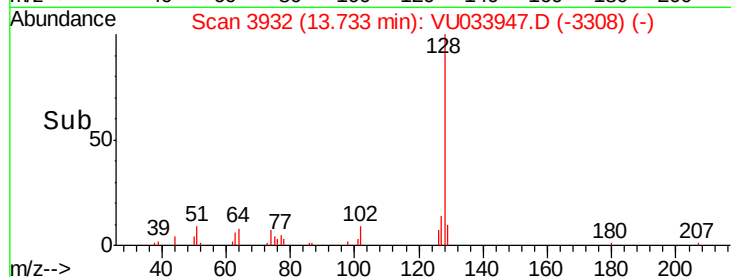
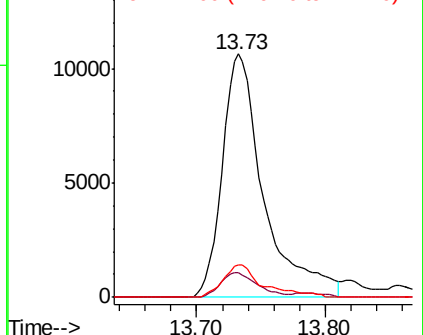
127 12.9 10.3 15.5



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: 1.160 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033947.D

Acq: 26 Aug 2019 11:06

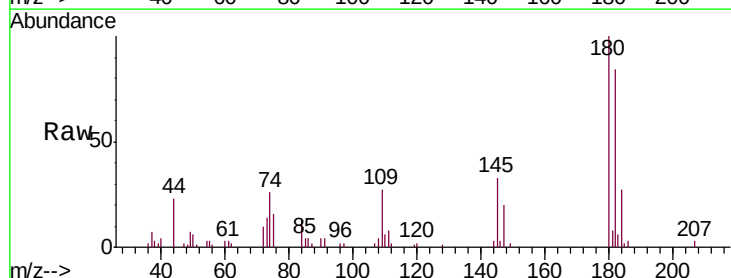
Tgt Ion:180 Resp: 18697

Ion Ratio Lower Upper

180 100

182 85.6 78.6 117.8

145 28.5 24.7 37.1



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

