

Data File : VU033905.D
Acq On : 22 Aug 2019 17:10
Operator : JC/SP
Sample : VSTD00534
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

Quant Time: Aug 23 01:58:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 01:53:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	592512	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	586984	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	272262	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	25278	4.72	ug/L	0.00
7) Chloroethane-d5	1.67	69	19734	4.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	47092	5.18	ug/L	0.00
21) 2-Butanone-d5	4.16	46	29050	9.84	ug/L	0.02
24) Chloroform-d	4.62	84	40068	4.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	26574	4.89	ug/L	0.00
32) Benzene-d6	5.32	84	79020	4.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	25796	4.78	ug/L	0.00
41) Toluene-d8	7.55	98	67222	4.39	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	11065	4.41	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	15463	7.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	37962	5.08	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	30087	5.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	29010	5.003 ug/L	99
3) Chloromethane	1.32	50	26730	4.514 ug/L	99
5) Vinyl chloride	1.39	62	33800	5.109 ug/L	100
6) Bromomethane	1.62	94	13428	2.951 ug/L	100
8) Chloroethane	1.69	64	19810	4.357 ug/L	98
9) Trichlorofluoromethane	1.87	101	39014	4.503 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	22580	5.292 ug/L	98
12) 1,1-Dichloroethene	2.27	96	21082	5.128 ug/L	84
13) Acetone	2.31	43	32384	11.242 ug/L	97
14) Carbon disulfide	2.46	76	73856	5.694 ug/L	99
15) Methyl Acetate	2.60	43	28629	6.008 ug/L	99
16) Methylene chloride	2.68	84	26275	5.462 ug/L	94
17) trans-1,2-Dichloroethene	2.96	96	23482	5.448 ug/L	94
18) Methyl tert-butyl Ether	2.98	73	65452	5.175 ug/L	100
19) 1,1-Dichloroethane	3.42	63	45191	5.405 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	23930	5.129 ug/L	99
22) 2-Butanone	4.25	43	36754	10.954 ug/L	96
23) Bromochloromethane	4.53	128	12300	4.882 ug/L	100
25) Chloroform	4.65	83	43841	5.083 ug/L	98
27) 1,2-Dichloroethane	5.38	62	34793	5.301 ug/L	97
29) Cyclohexane	4.97	56	32949	5.120 ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	36135	5.099 ug/L	98
31) Carbon tetrachloride	5.11	117	31557	4.904 ug/L	99
33) Benzene	5.37	78	91721	5.118 ug/L	100
34) Trichloroethene	6.17	95	24702	5.210 ug/L	96
35) Methylcyclohexane	6.39	83	34114	4.863 ug/L	97
37) 1,2-Dichloropropane	6.41	63	25489	5.204 ug/L	100
38) Bromodichloromethane	6.74	83	32782	5.167 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	33699	4.695 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	65876	11.005 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	90968	4.832	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	30291	4.605	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	22722	4.949	ug/L	98
46) Tetrachloroethene	8.21	164	19675	5.191	ug/L	96
48) 2-Hexanone	8.35	43	48880	10.457	ug/L	96
49) Dibromochloromethane	8.46	129	25243	4.906	ug/L	97
50) 1,2-Dibromoethane	8.57	107	23990	4.930	ug/L	99
51) Chlorobenzene	9.10	112	64178	5.165	ug/L	98
52) Ethylbenzene	9.23	91	93040	4.648	ug/L	100
53) m,p-Xylene	9.36	106	33535	4.490	ug/L	98
54) o-xylene	9.76	106	32174	4.436	ug/L	91
55) Styrene	9.78	104	52752	4.251	ug/L	95
56) Isopropylbenzene	10.15	105	84005	4.432	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	39860	5.316	ug/L	97
59) 1,2,3-Trichloropropane	10.48	75	32206	5.383	ug/L	100
61) Bromoform	9.94	173	18248	5.315	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	45915	5.327	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	50542	5.665	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	45209	5.238	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	7412	5.029	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	34359	5.178	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	24027	4.409	ug/L	98
69) Naphthalene	13.73	128	63492	4.148	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	27668	4.897	ug/L	97

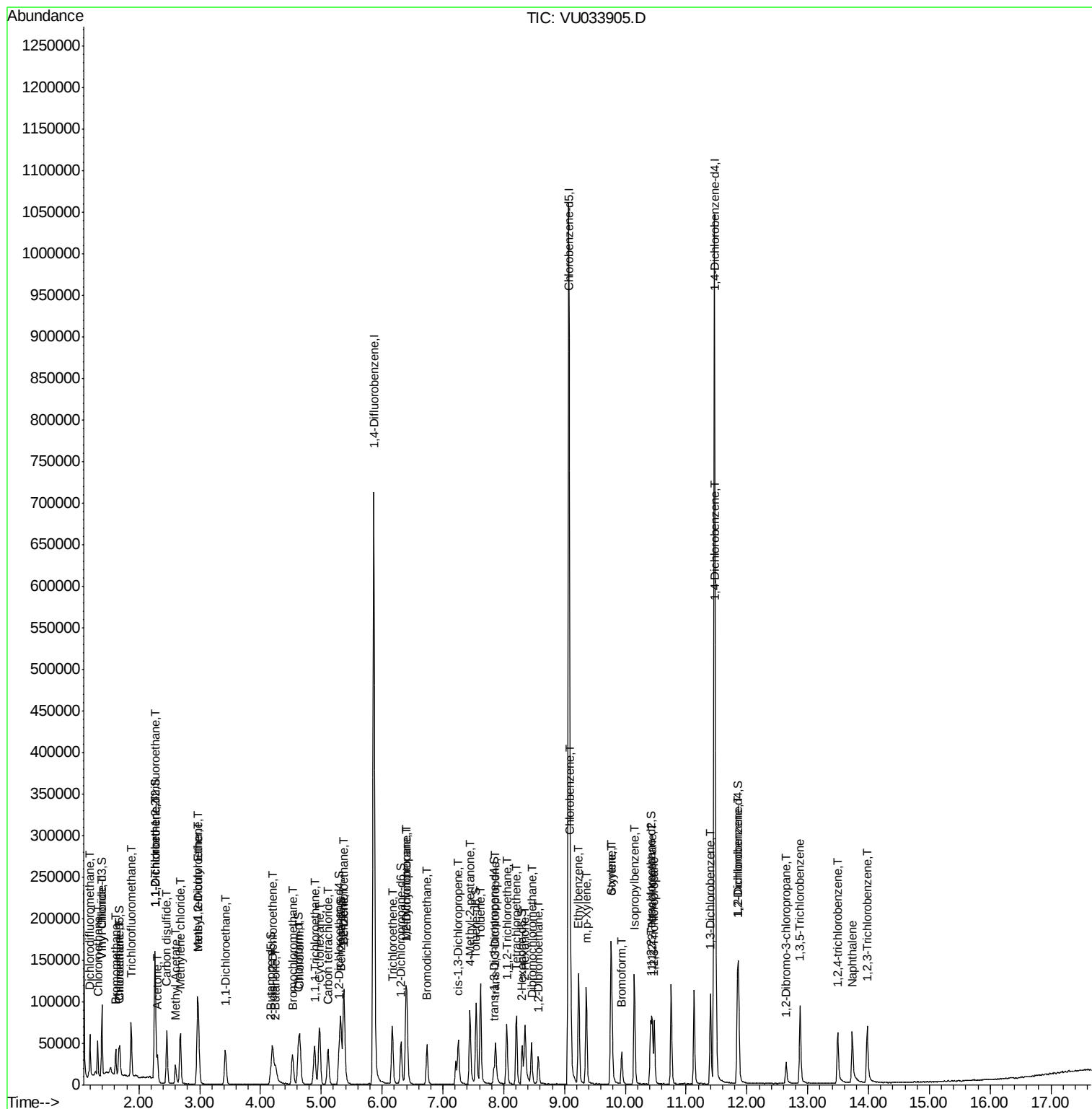
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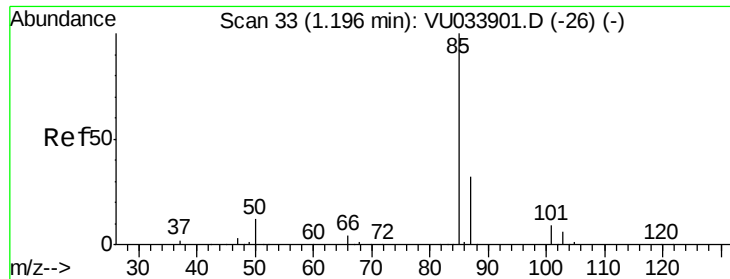
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#2

Dichlorodifluoromethane

Concen: 5.003 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

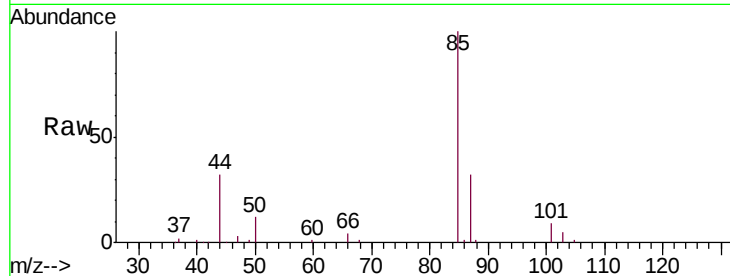
VSTD00535

Tgt Ion: 85 Resp: 29010

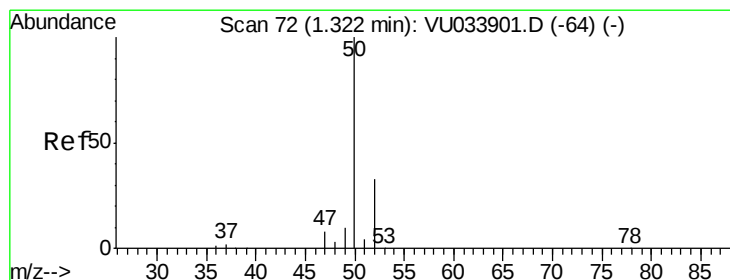
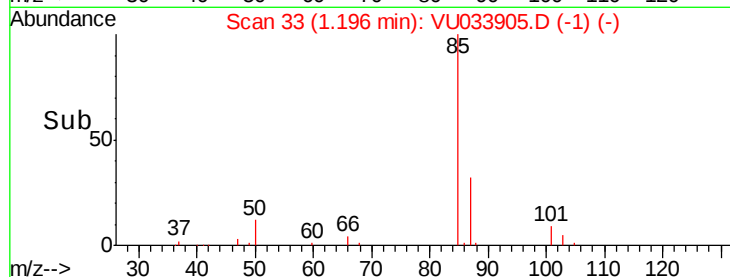
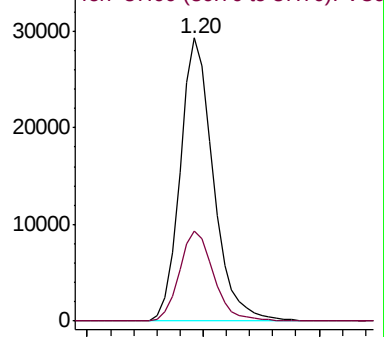
Ion Ratio Lower Upper

85 100

87 32.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033905.D (-1) (-)



#3

Chloromethane

Concen: 4.514 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033905.D

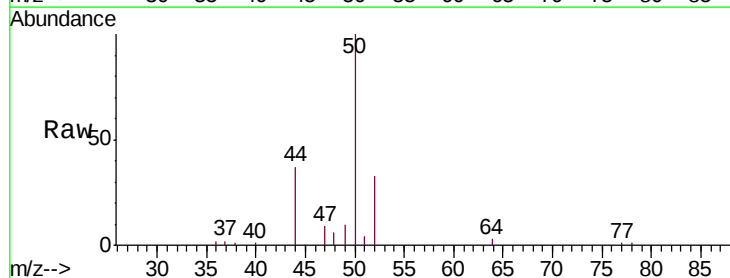
Acq: 22 Aug 2019 17:10

Tgt Ion: 50 Resp: 26730

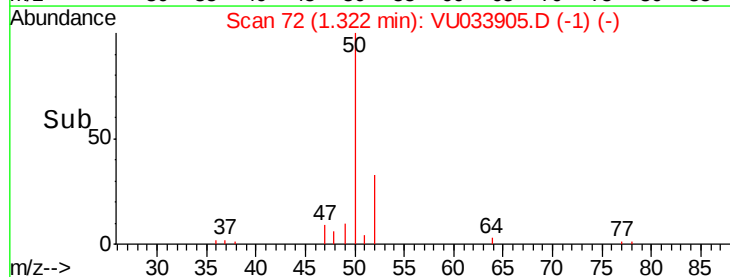
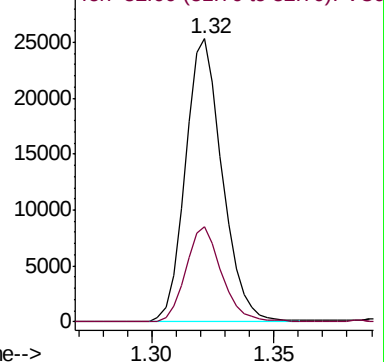
Ion Ratio Lower Upper

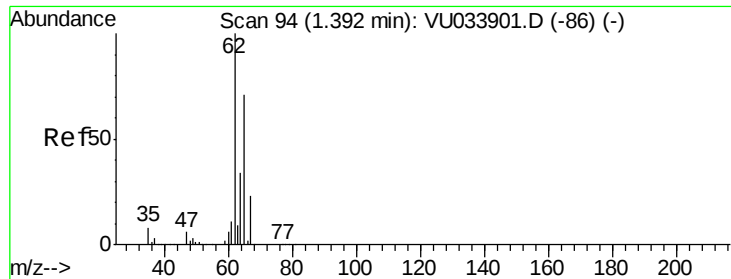
50 100

52 33.4 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033905.D (-1) (-)





#5

Vinyl chloride

Concen: 5.109 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

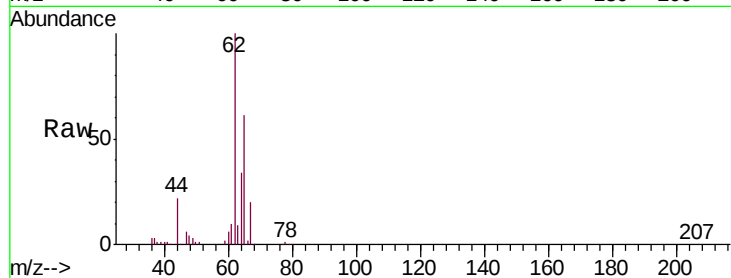
VSTD00535

Tgt Ion: 62 Resp: 33800

Ion Ratio Lower Upper

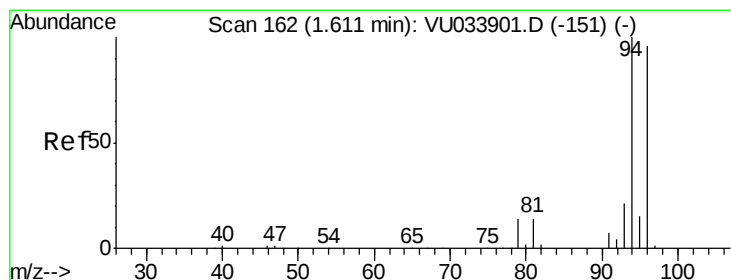
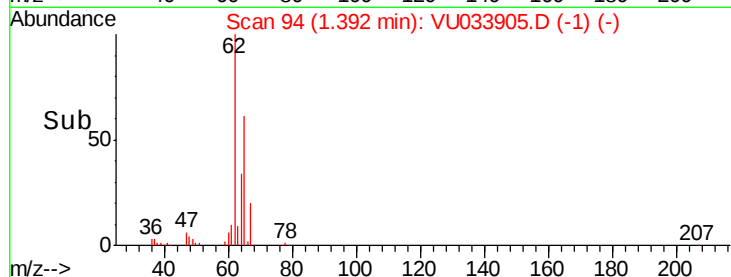
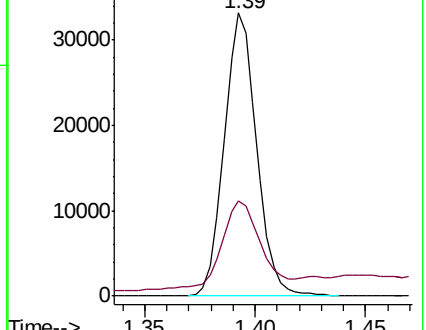
62 100

64 33.7 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU033905.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU033905.D (-1) (-)



#6

Bromomethane

Concen: 2.951 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU033905.D

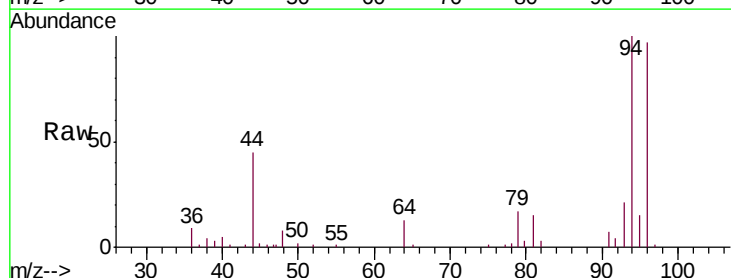
Acq: 22 Aug 2019 17:10

Tgt Ion: 94 Resp: 13428

Ion Ratio Lower Upper

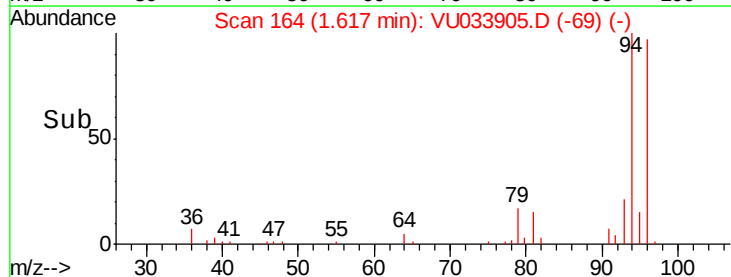
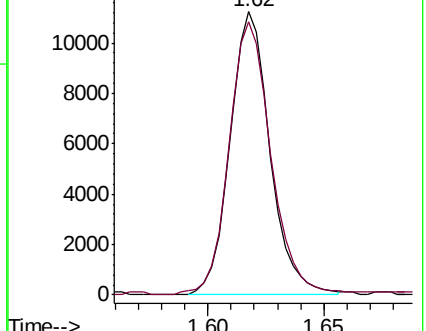
94 100

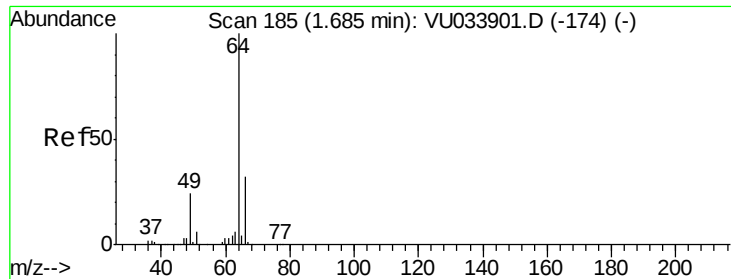
96 96.6 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU033905.D (-69) (-)

Ion 96.00 (95.70 to 96.70): VU033905.D (-69) (-)





#8

Chloroethane

Concen: 4.357 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

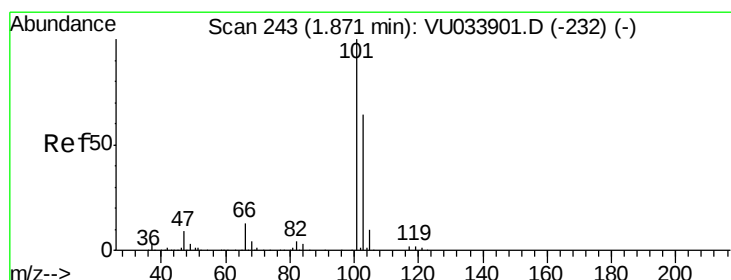
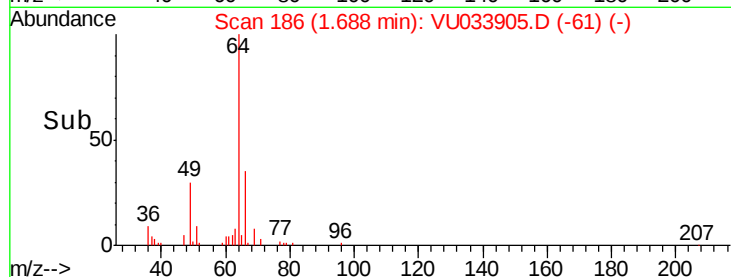
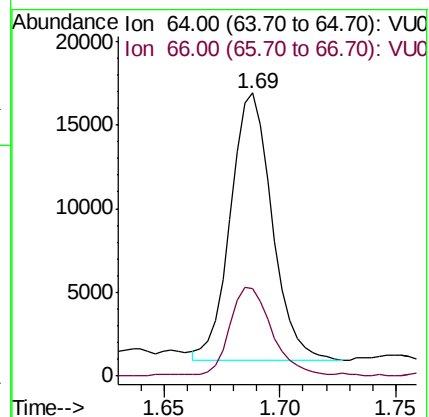
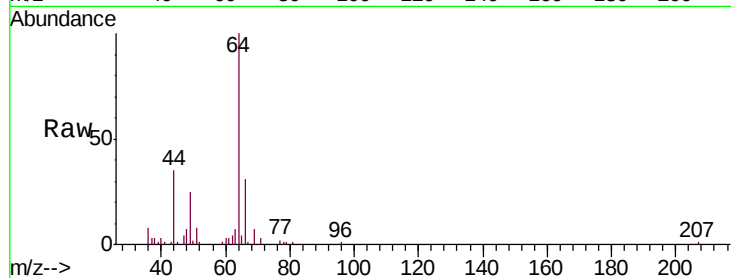
VSTD00535

Tgt Ion: 64 Resp: 19810

Ion Ratio Lower Upper

64 100

66 30.8 22.3 41.5



#9

Trichlorofluoromethane

Concen: 4.503 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033905.D

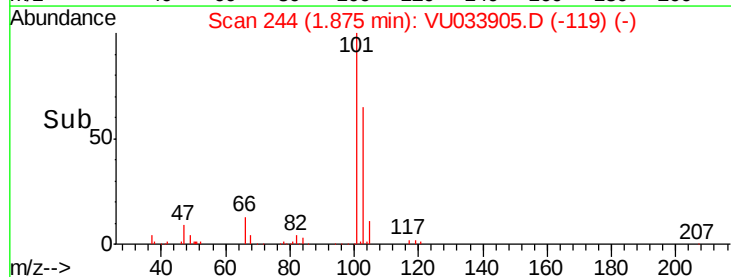
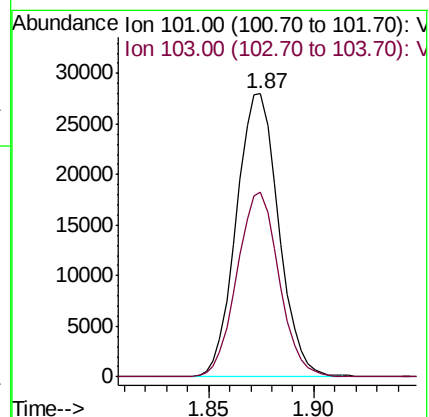
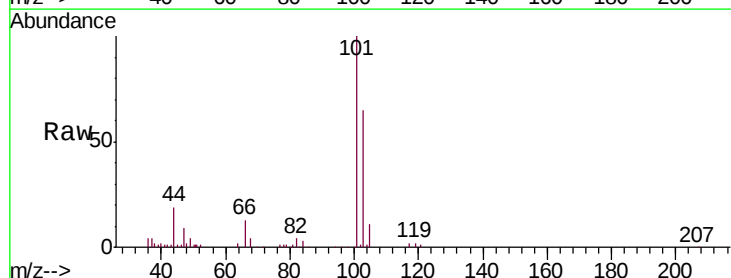
Acq: 22 Aug 2019 17:10

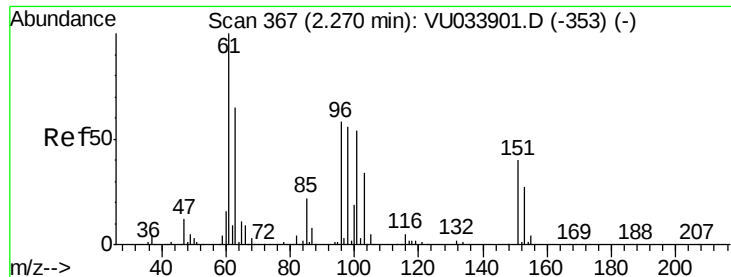
Tgt Ion: 101 Resp: 39014

Ion Ratio Lower Upper

101 100

103 64.7 50.9 76.3





#10

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

Concen: 5.292 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

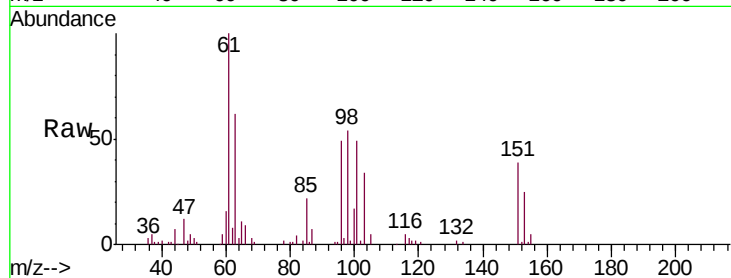
Tgt Ion:101 Resp: 22580

Ion Ratio Lower Upper

101 100

85 42.4 33.7 50.5

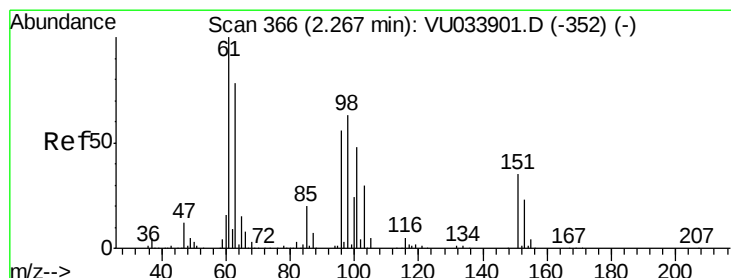
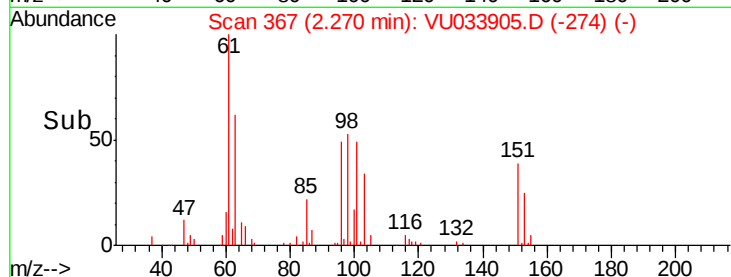
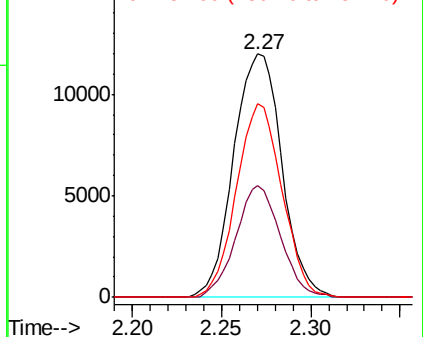
151 75.2 57.8 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.128 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

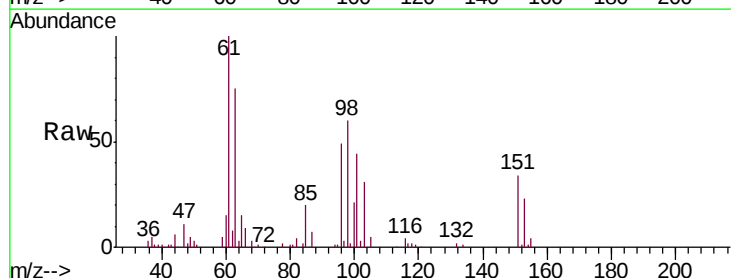
Tgt Ion: 96 Resp: 21082

Ion Ratio Lower Upper

96 100

61 204.4 124.7 231.5

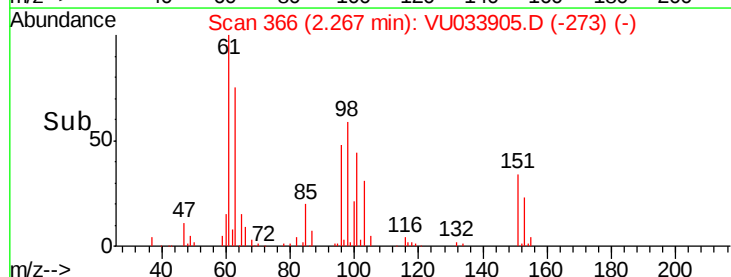
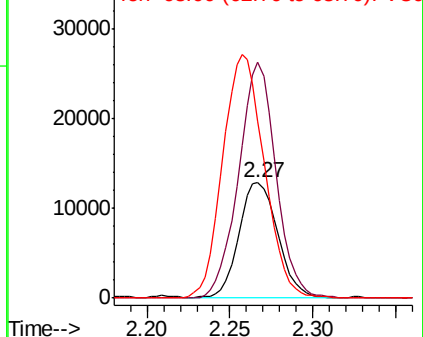
63 153.9 97.9 181.9

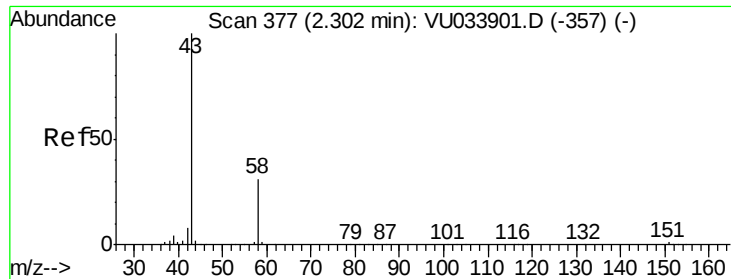


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.242 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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ClientSampleId :

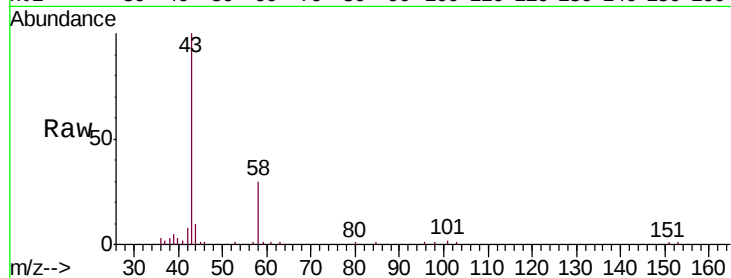
VSTD00535

Tgt Ion: 43 Resp: 32384

Ion Ratio Lower Upper

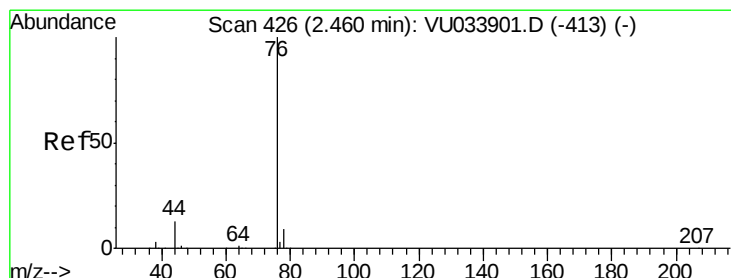
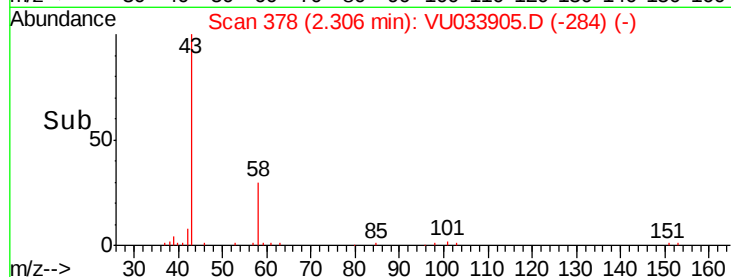
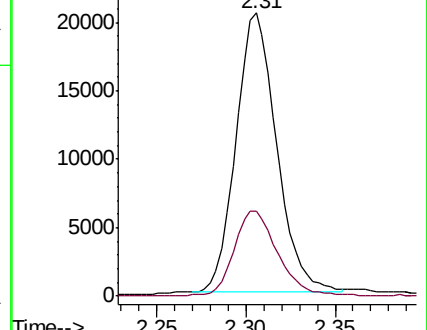
43 100

58 32.8 0.0 62.4



Abundance Ion 43.00 (42.70 to 43.70): VU033901.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033901.D (-357) (-)



#14

Carbon disulfide

Concen: 5.694 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033905.D

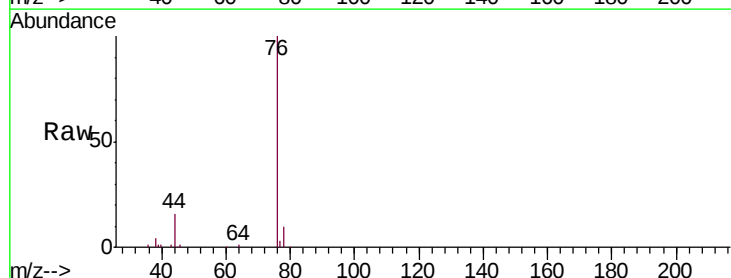
Acq: 22 Aug 2019 17:10

Tgt Ion: 76 Resp: 73856

Ion Ratio Lower Upper

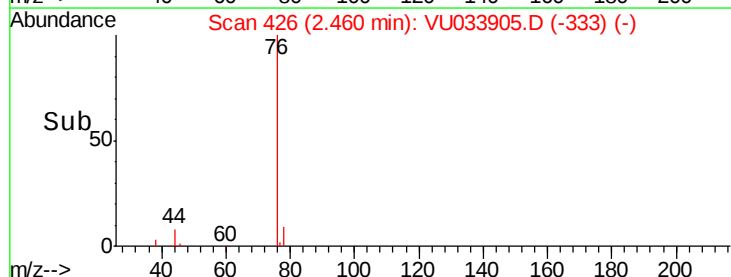
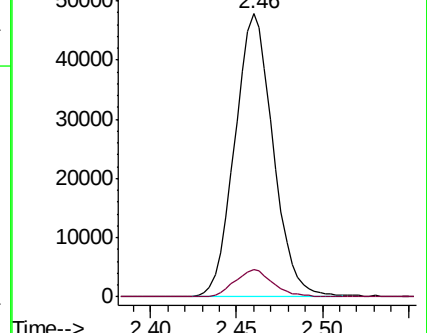
76 100

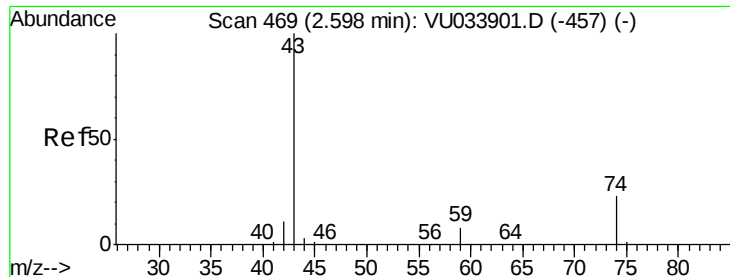
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033901.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033901.D (-413) (-)

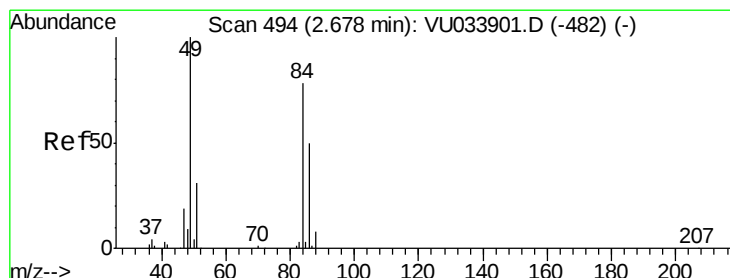
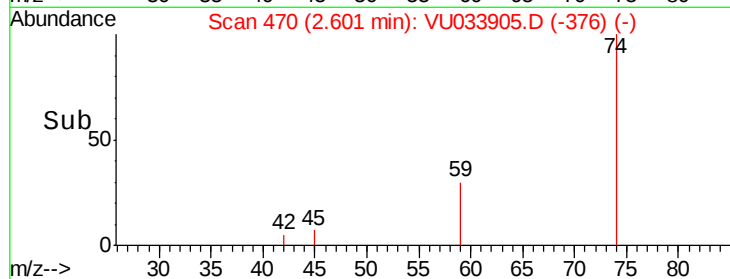
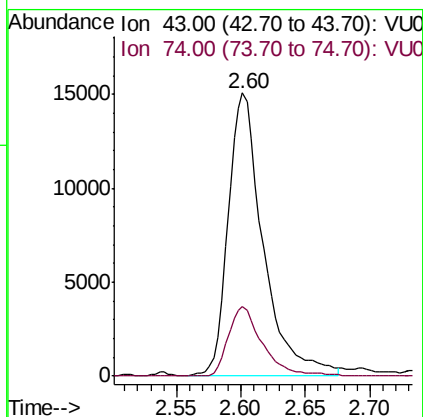
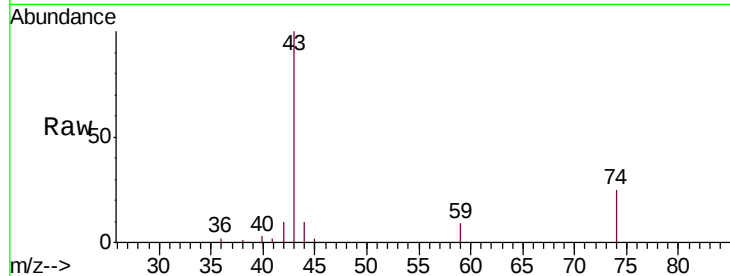




#15
Methyl Acetate
Concen: 6.008 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU033905.D
Acq: 22 Aug 2019 17:10

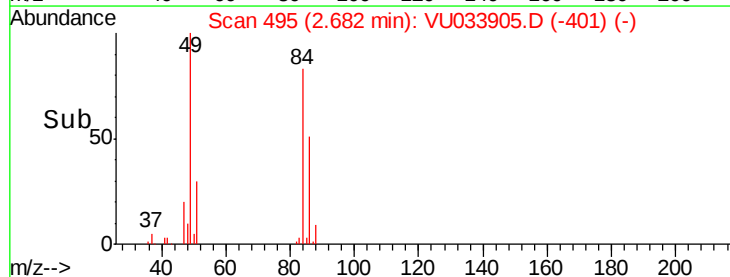
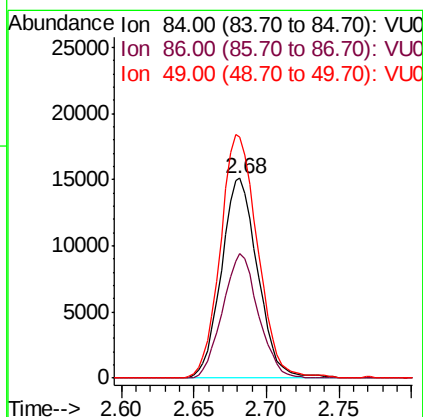
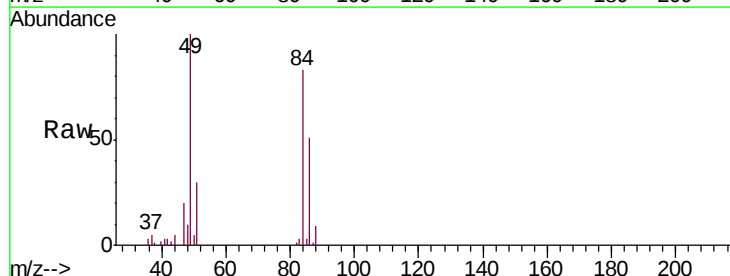
Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

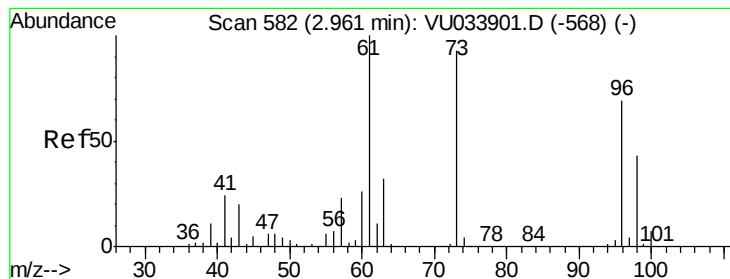
Tgt Ion: 43 Resp: 28629
Ion Ratio Lower Upper
43 100
74 23.7 18.6 27.8



#16
Methylene chloride
Concen: 5.462 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033905.D
Acq: 22 Aug 2019 17:10

Tgt Ion: 84 Resp: 26275
Ion Ratio Lower Upper
84 100
86 62.2 45.3 84.1
49 121.0 90.2 167.6





#17

trans-1,2-Dichloroethene

Concen: 5.448 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

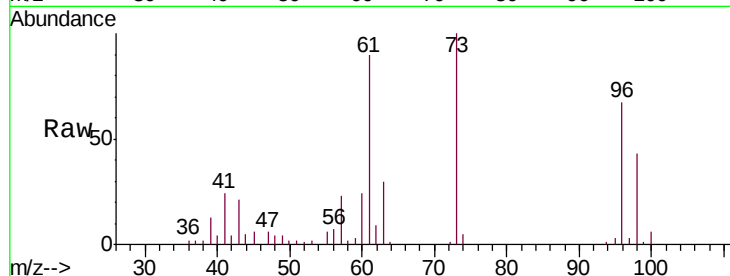
Tgt Ion: 96 Resp: 23482

Ion Ratio Lower Upper

96 100

61 134.2 101.2 187.8

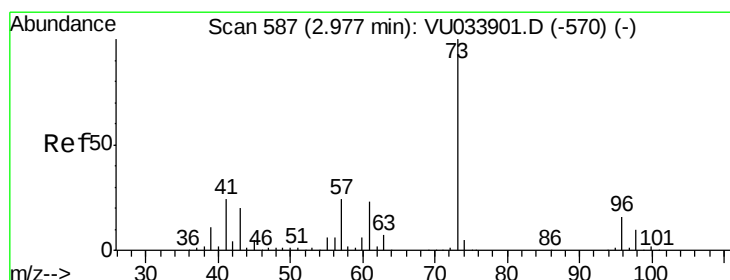
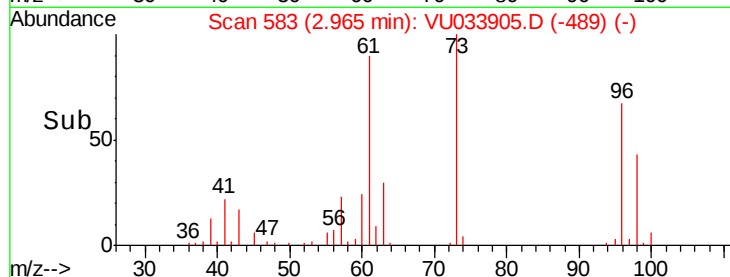
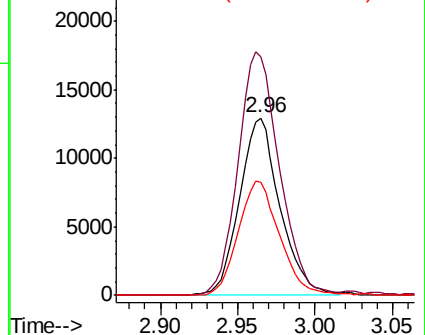
98 63.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU033901.D (-568) (-)

Ion 61.00 (60.70 to 61.70): VU033901.D (-568) (-)

Ion 98.00 (97.70 to 98.70): VU033901.D (-568) (-)



#18

Methyl tert-butyl Ether

Concen: 5.175 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

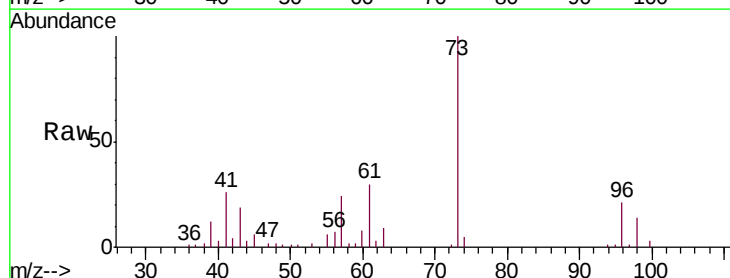
Tgt Ion: 73 Resp: 65452

Ion Ratio Lower Upper

73 100

43 20.6 16.3 24.5

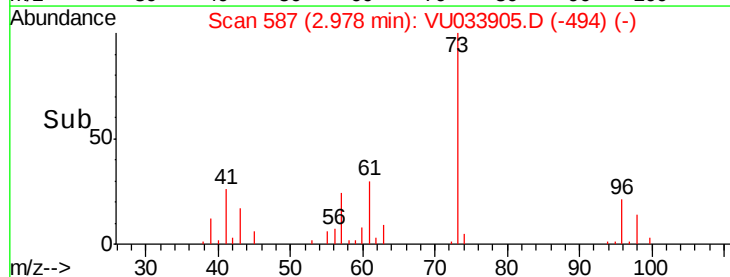
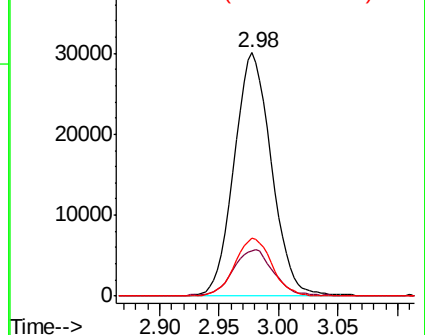
57 23.7 18.8 28.2

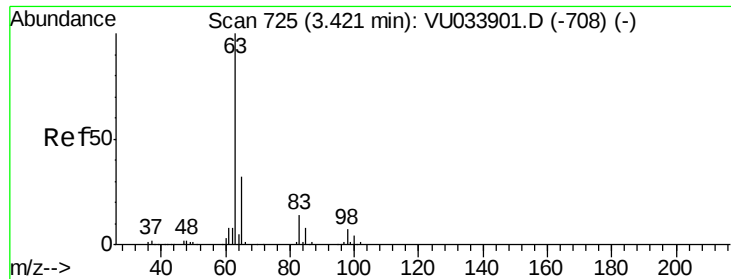


Abundance Ion 73.00 (72.70 to 73.70): VU033901.D (-570) (-)

Ion 43.00 (42.70 to 43.70): VU033901.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU033901.D (-570) (-)





#19

1,1-Dichloroethane

Concen: 5.405 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

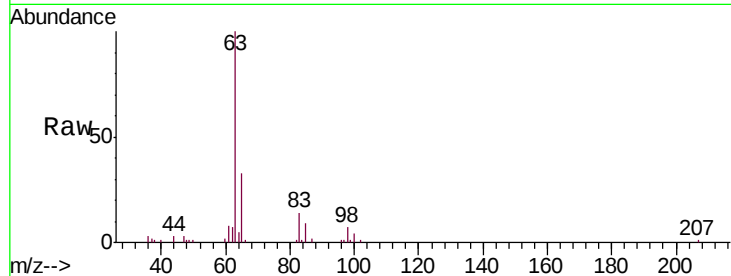
Tgt Ion: 63 Resp: 45191

Ion Ratio Lower Upper

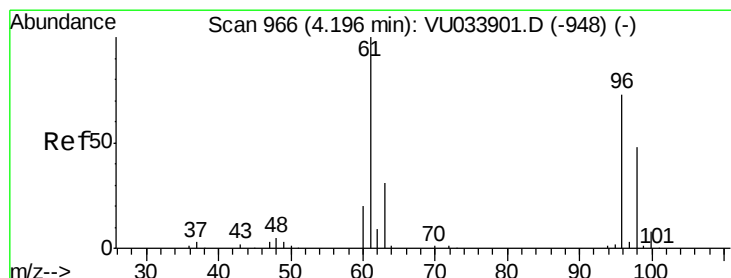
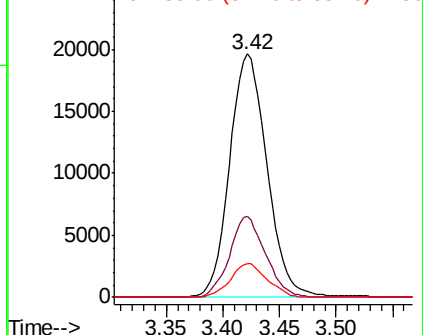
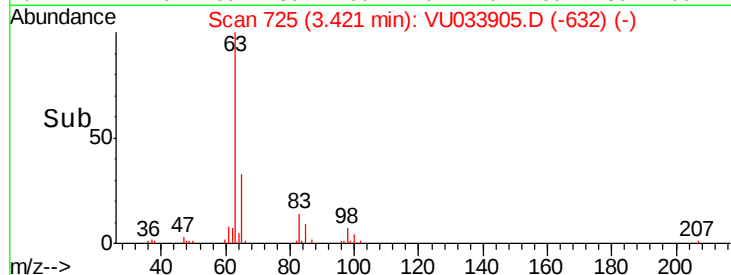
63 100

65 33.3 22.4 41.6

83 13.8 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU033905.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.129 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

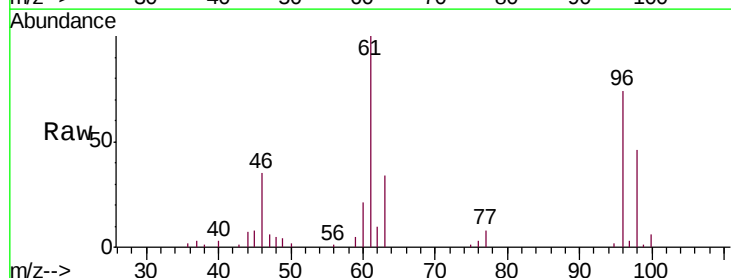
Tgt Ion: 96 Resp: 23930

Ion Ratio Lower Upper

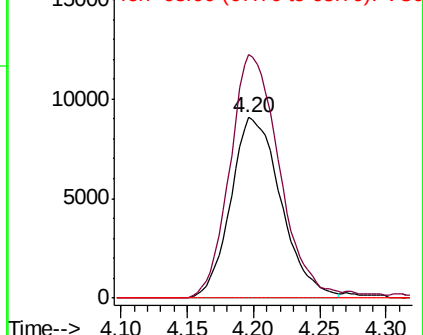
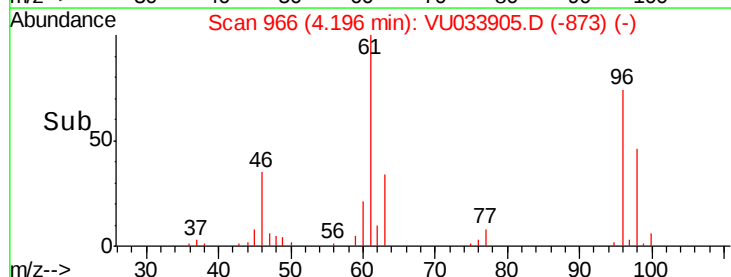
96 100

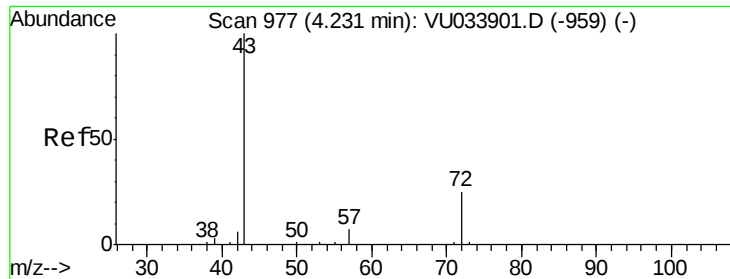
61 134.8 95.5 177.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033905.D (-873) (-)





#22

2-Butanone

Concen: 10.954 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.02 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

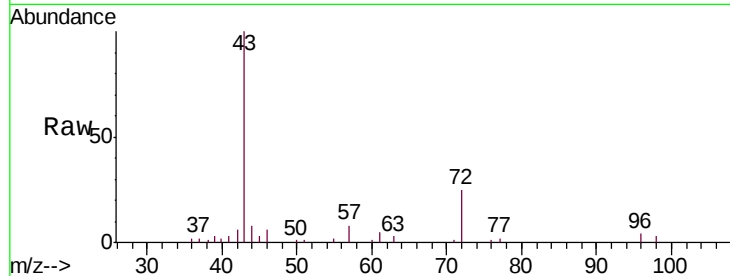
VSTD00535

Tgt Ion: 43 Resp: 36754

Ion Ratio Lower Upper

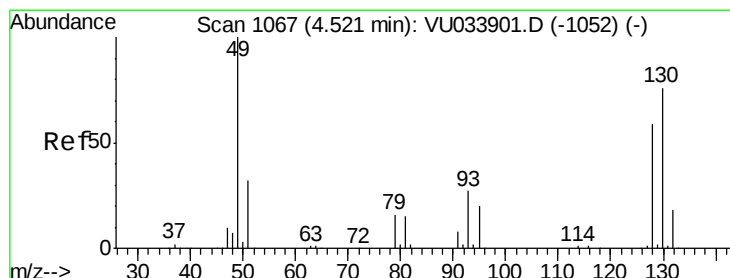
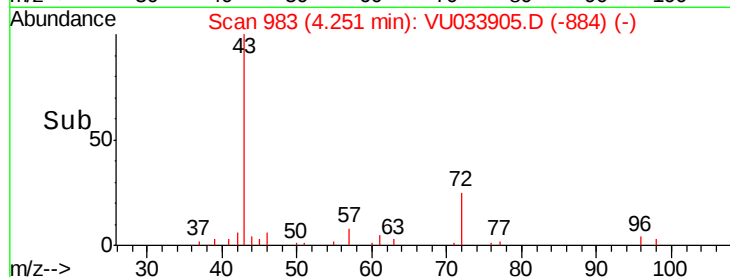
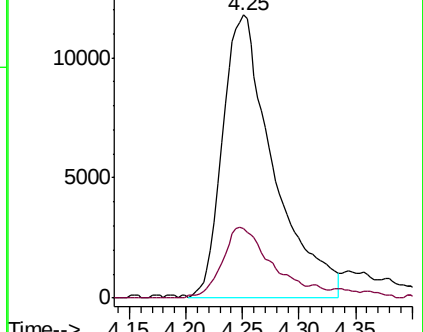
43 100

72 24.0 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU033901.D (-959) (-)

Ion 72.00 (71.70 to 72.70): VU033901.D (-959) (-)



#23

Bromochloromethane

Concen: 4.882 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Tgt Ion: 128 Resp: 12300

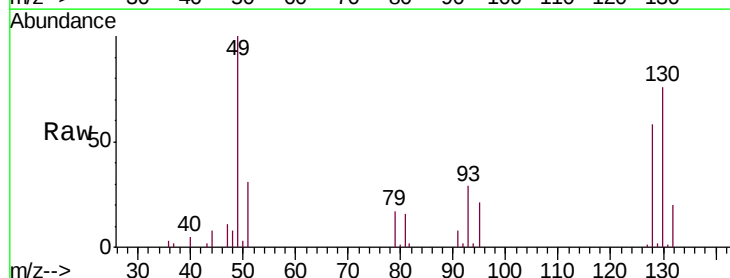
Ion Ratio Lower Upper

128 100

49 171.1 119.4 221.8

130 129.2 90.9 168.7

51 53.6 43.0 64.4

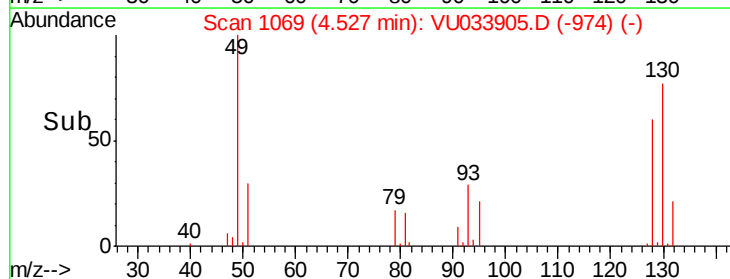
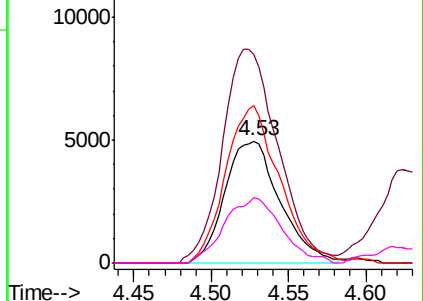


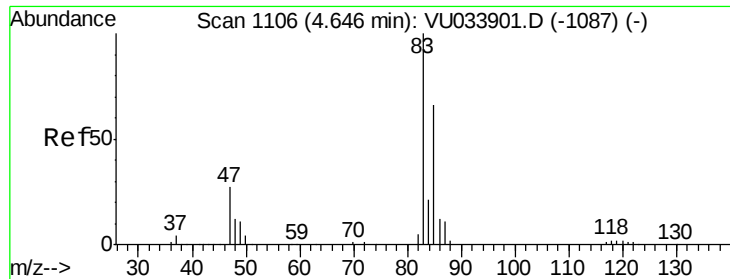
Abundance Ion 128.00 (127.70 to 128.70): VU033901.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033901.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033901.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033901.D (-1052) (-)

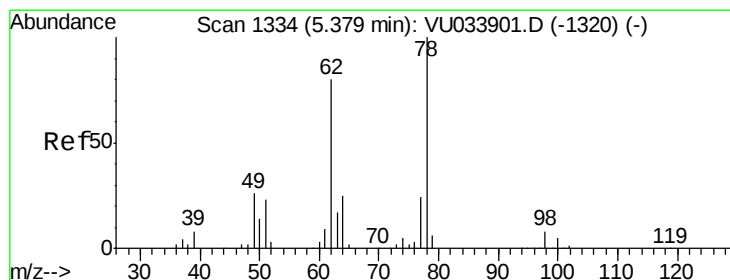
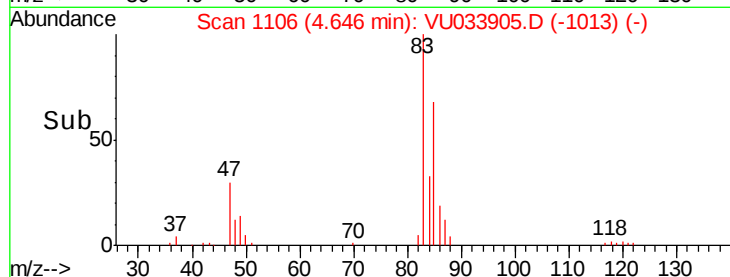
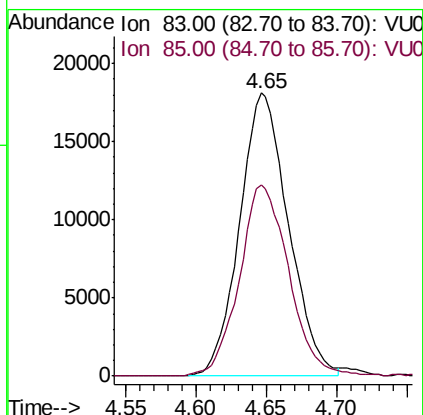
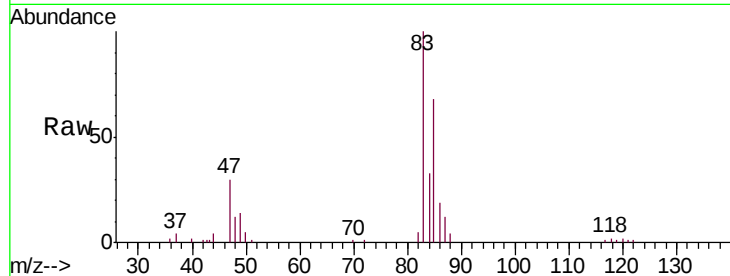




#25
Chloroform
Concen: 5.083 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033905.D
Acq: 22 Aug 2019 17:10

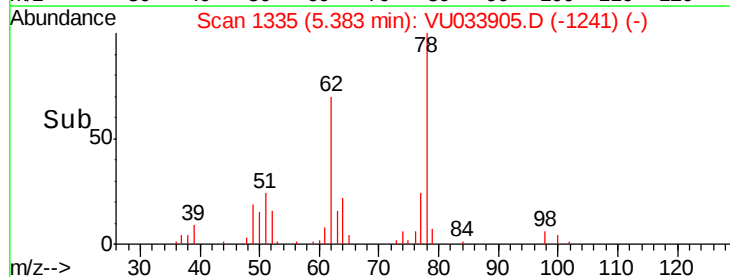
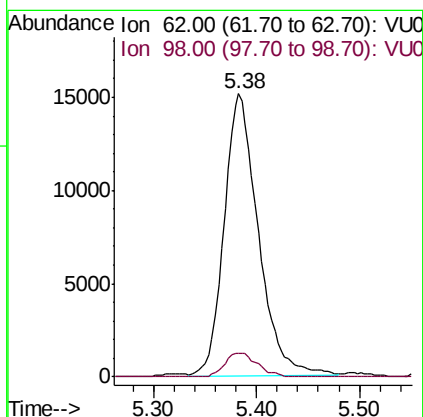
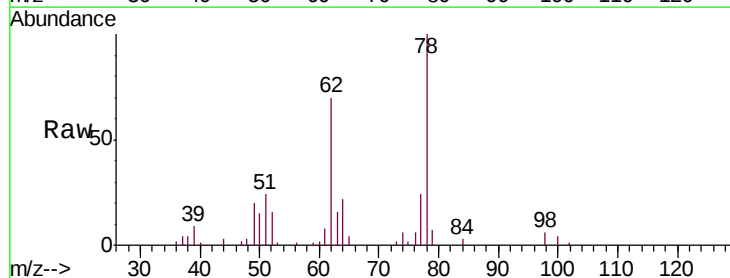
Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

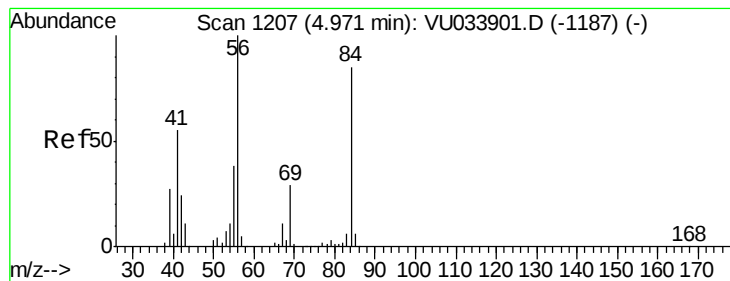
Tgt Ion: 83 Resp: 43841
Ion Ratio Lower Upper
83 100
85 67.7 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.301 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033905.D
Acq: 22 Aug 2019 17:10

Tgt Ion: 62 Resp: 34793
Ion Ratio Lower Upper
62 100
98 8.2 7.5 11.3





#29

Cyclohexane

Concen: 5.120 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

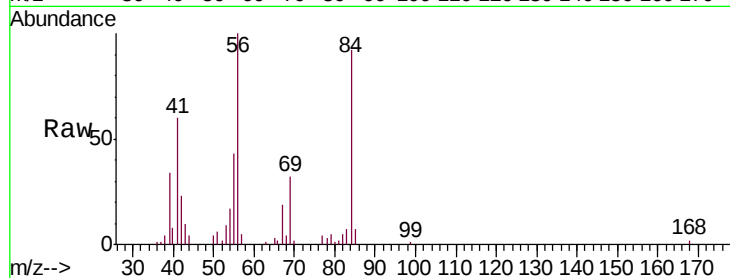
Tgt Ion: 56 Resp: 32949

Ion Ratio Lower Upper

56 100

69 30.6 24.1 36.1

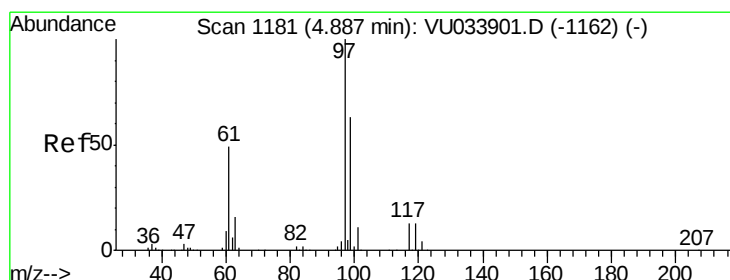
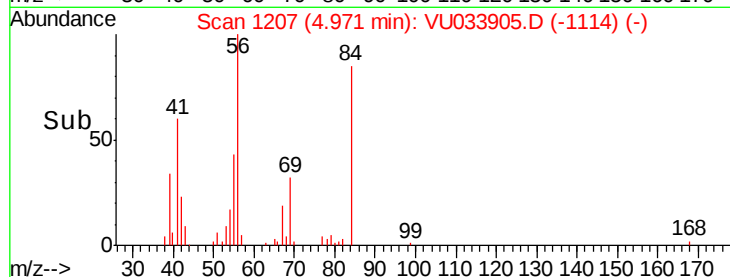
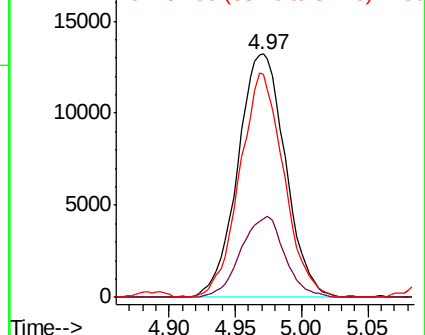
84 85.5 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VU033905.D (-1187) (-)

Ion 69.00 (68.70 to 69.70): VU033905.D (-1187) (-)

Ion 84.00 (83.70 to 84.70): VU033905.D (-1187) (-)



#30

1,1,1-Trichloroethane

Concen: 5.099 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

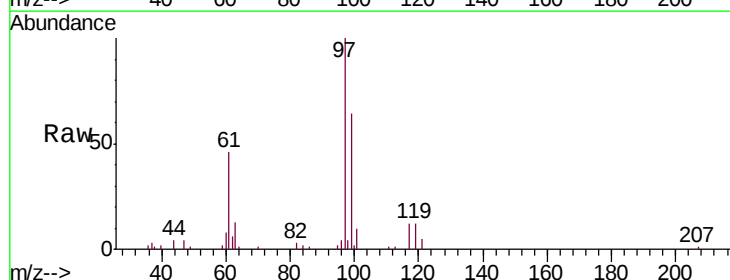
Tgt Ion: 97 Resp: 36135

Ion Ratio Lower Upper

97 100

99 62.8 51.1 76.7

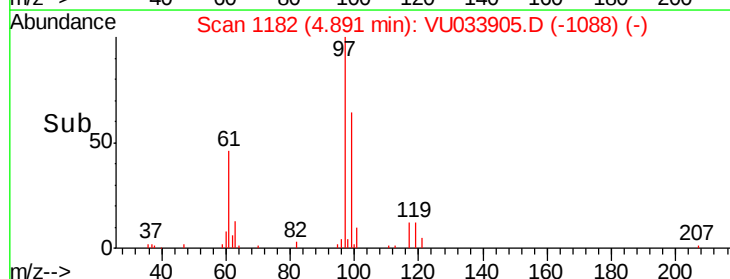
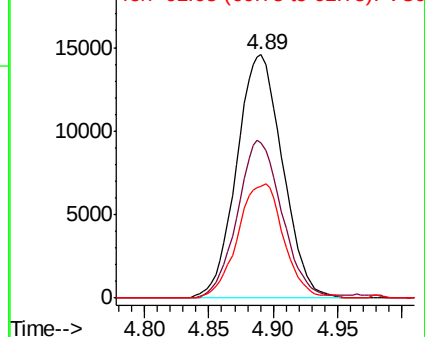
61 46.5 38.6 57.8

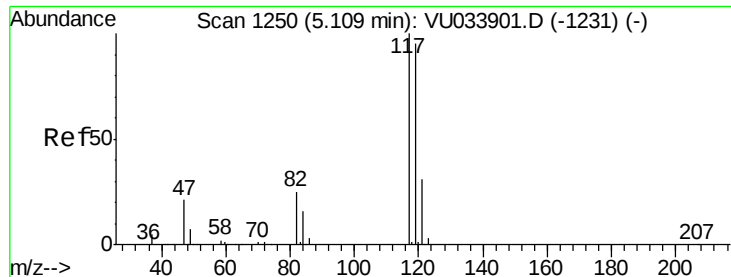


Abundance Ion 97.00 (96.70 to 97.70): VU033905.D (-1088) (-)

Ion 99.00 (98.70 to 99.70): VU033905.D (-1088) (-)

Ion 61.05 (60.75 to 61.75): VU033905.D (-1088) (-)





#31

Carbon tetrachloride

Concen: 4.904 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

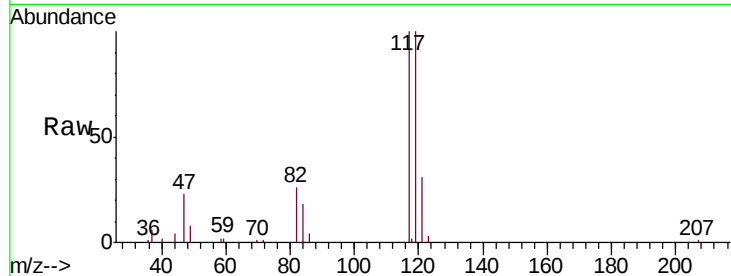
VSTD00535

Tgt Ion:117 Resp: 31557

Ion Ratio Lower Upper

117 100

119 95.9 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.11

15000

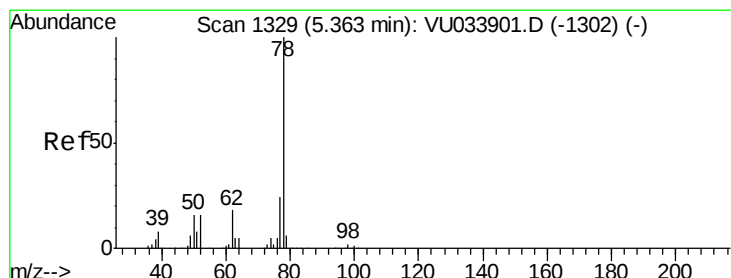
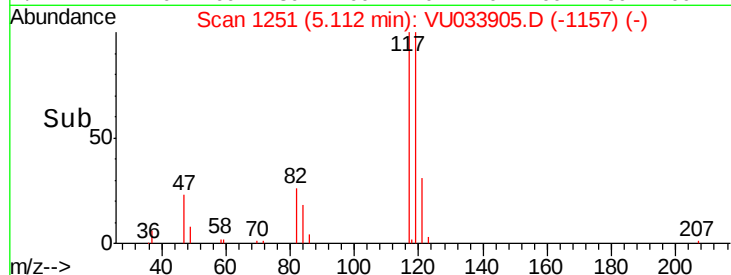
10000

5000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 5.118 ug/L

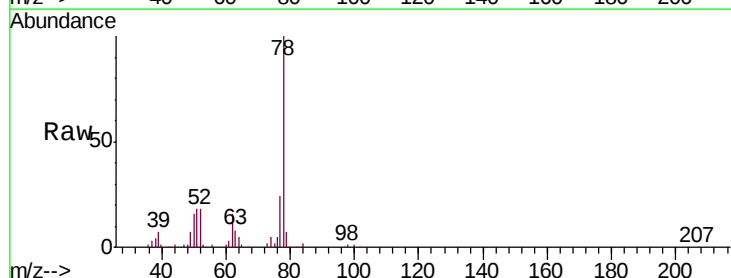
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Tgt Ion: 78 Resp: 91721



Abundance Ion 78.00 (77.70 to 78.70): VU0

50000

40000

30000

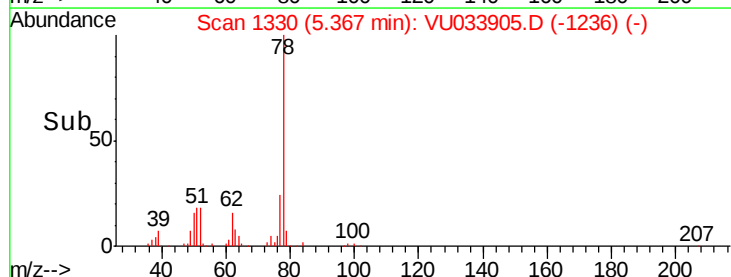
20000

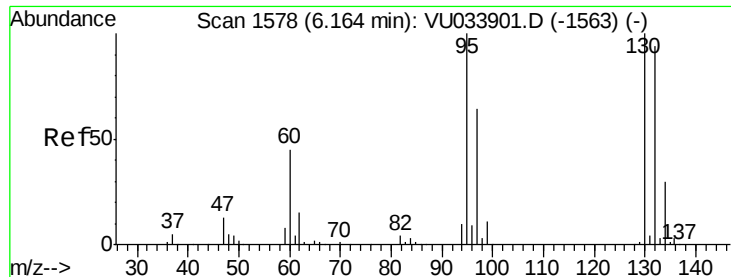
10000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 5.210 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

Tgt Ion: 95 Resp: 24702

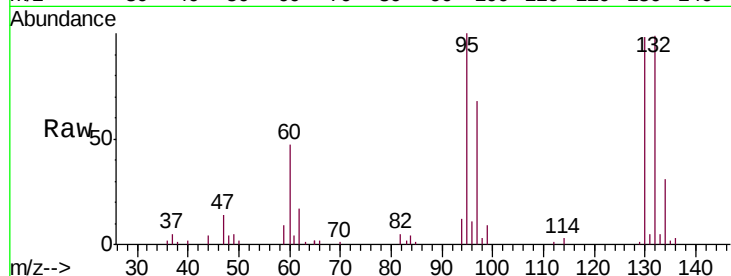
Ion Ratio Lower Upper

95 100

97 68.1 44.7 82.9

132 98.8 65.7 122.1

130 98.4 70.0 130.0

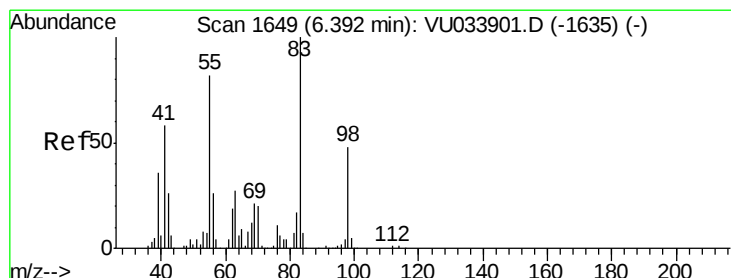
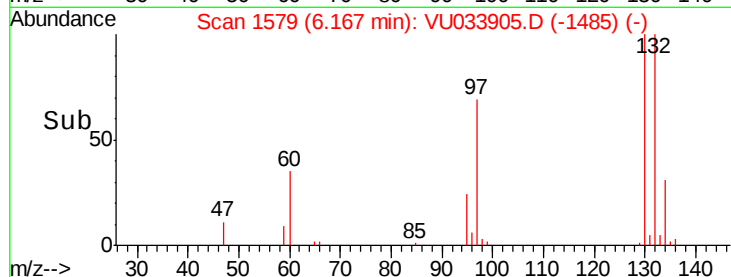
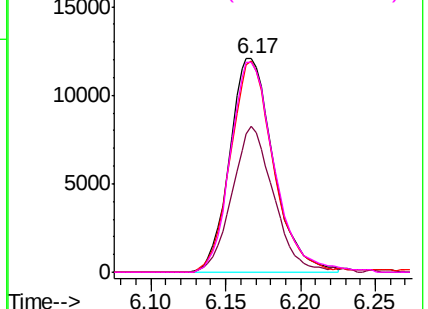


Abundance Ion 95.00 (94.70 to 95.70): VU033905.D (-1563) (-)

Ion 97.00 (96.70 to 97.70): VU033905.D (-1563) (-)

Ion 132.00 (131.70 to 132.70): VU033905.D (-1563) (-)

Ion 130.00 (129.70 to 130.70): VU033905.D (-1563) (-)



#35

Methylcyclohexane

Concen: 4.863 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

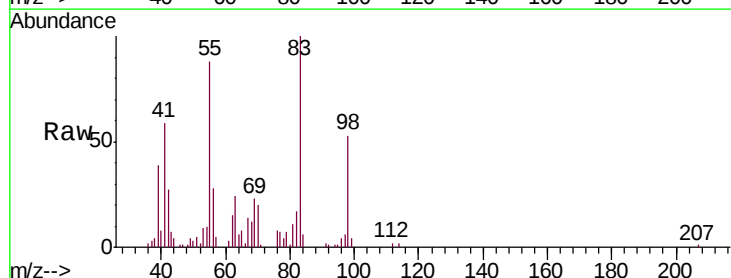
Tgt Ion: 83 Resp: 34114

Ion Ratio Lower Upper

83 100

55 83.5 64.4 96.6

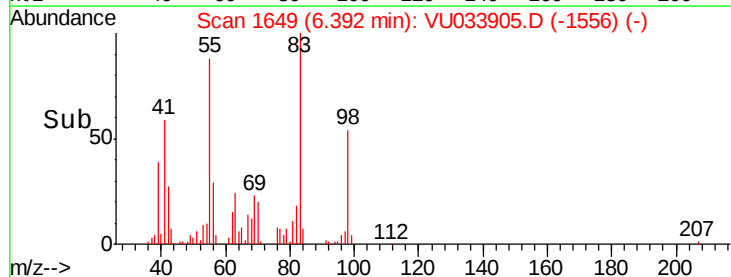
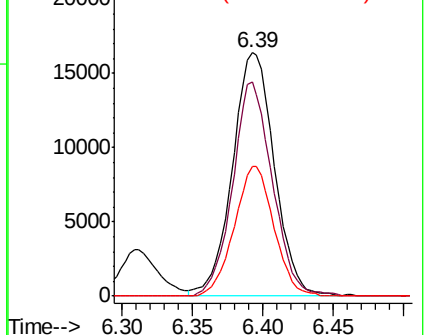
98 50.2 38.7 58.1

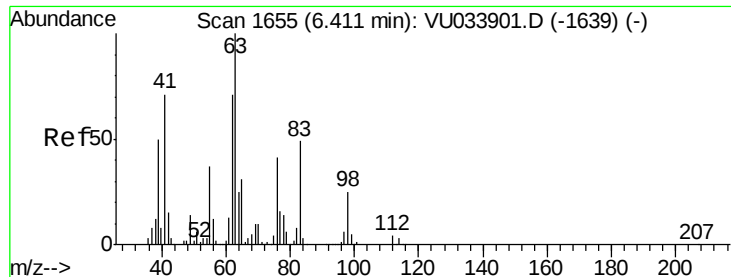


Abundance Ion 83.00 (82.70 to 83.70): VU033905.D (-1556) (-)

Ion 55.00 (54.70 to 55.70): VU033905.D (-1556) (-)

Ion 98.00 (97.70 to 98.70): VU033905.D (-1556) (-)

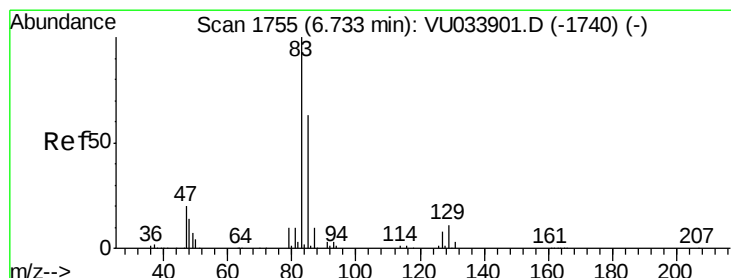
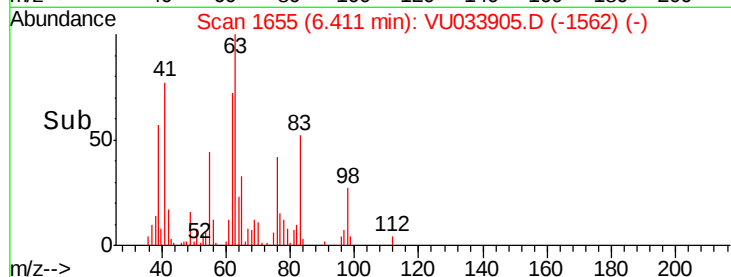
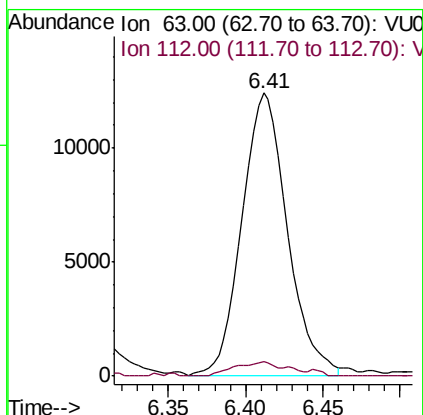
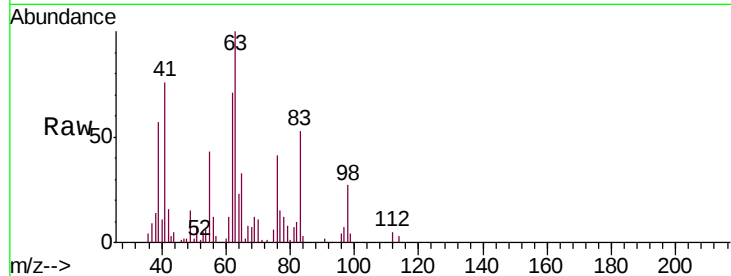




#37
 1,2-Dichloropropane
 Concen: 5.204 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033905.D
 Acq: 22 Aug 2019 17:10

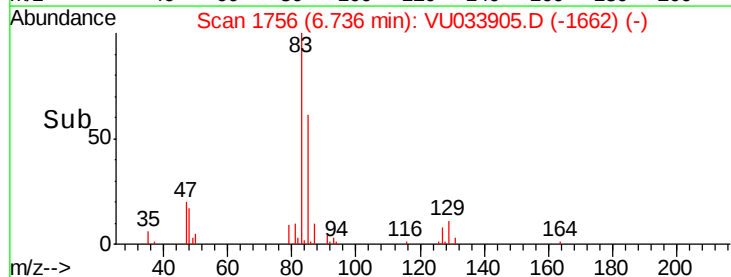
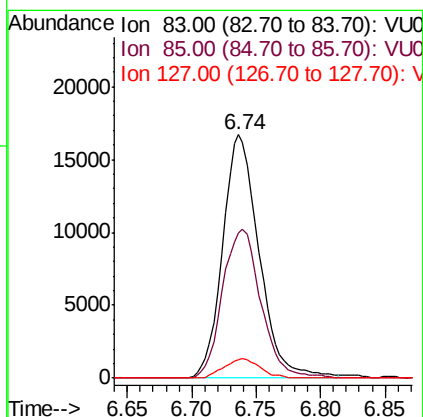
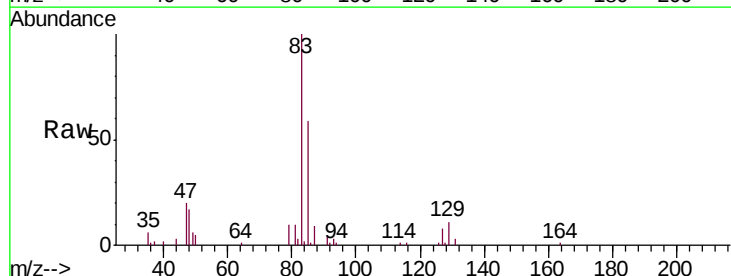
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00535

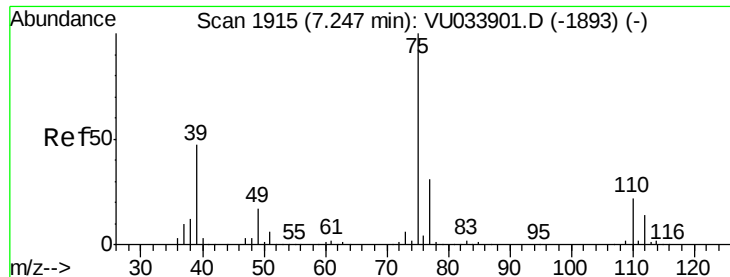
Tgt Ion: 63 Resp: 25489
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.167 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033905.D
 Acq: 22 Aug 2019 17:10

Tgt Ion: 83 Resp: 32782
 Ion Ratio Lower Upper
 83 100
 85 59.3 44.0 81.8
 127 7.6 6.8 10.2

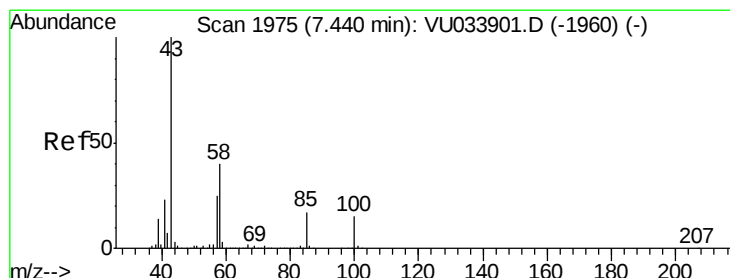
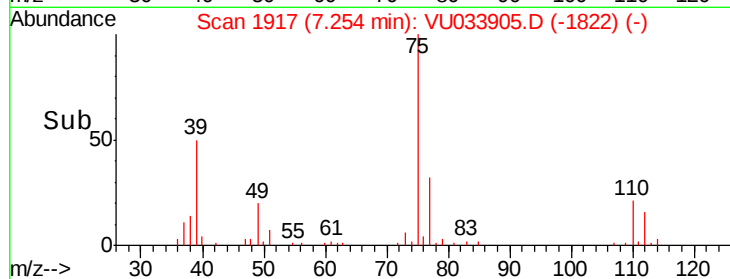
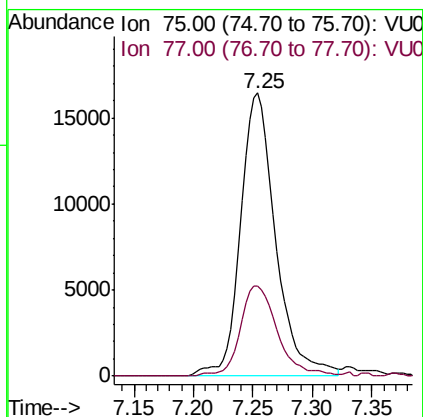
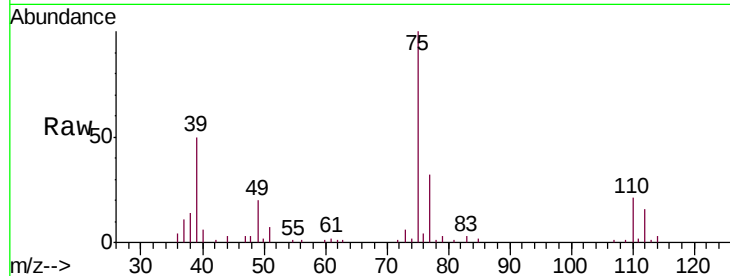




#39
 cis-1,3-Dichloropropene
 Concen: 4.695 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VU033905.D
 Acq: 22 Aug 2019 17:10

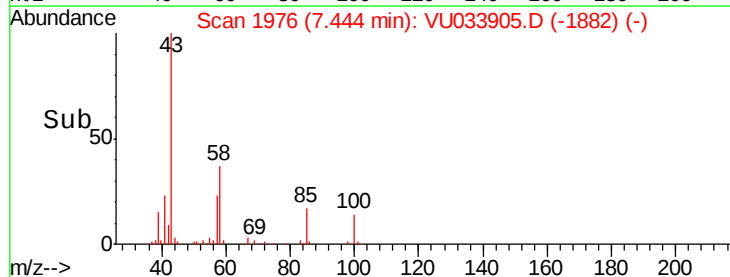
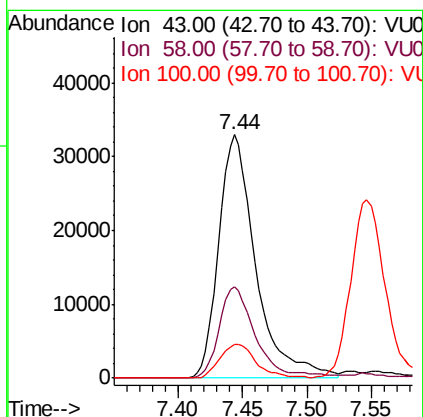
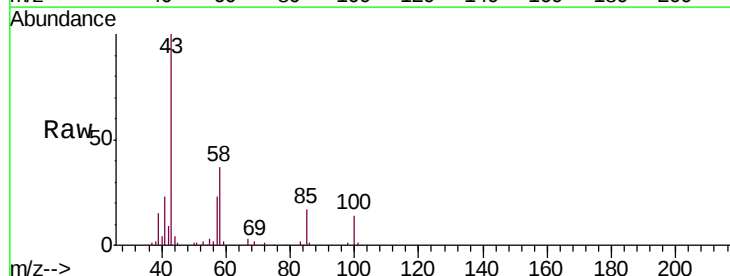
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

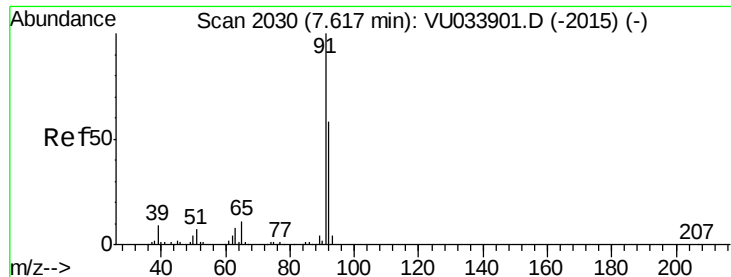
Tgt Ion: 75 Resp: 33699
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 11.005 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033905.D
 Acq: 22 Aug 2019 17:10

Tgt Ion: 43 Resp: 65876
 Ion Ratio Lower Upper
 43 100
 58 37.2 31.6 47.4
 100 13.7 12.0 18.0





#42

Toluene

Concen: 4.832 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

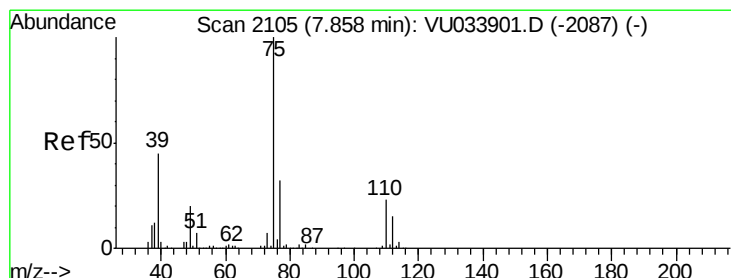
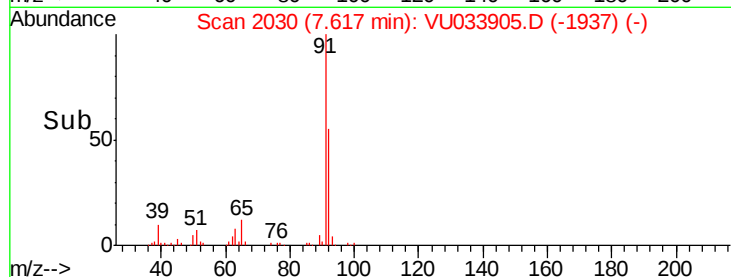
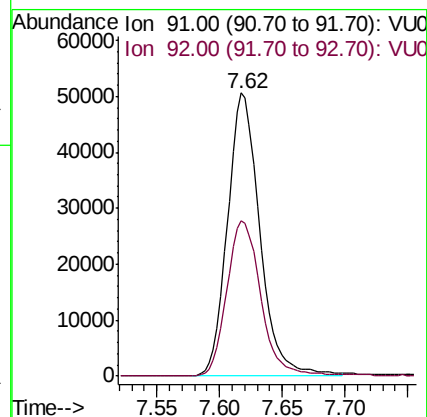
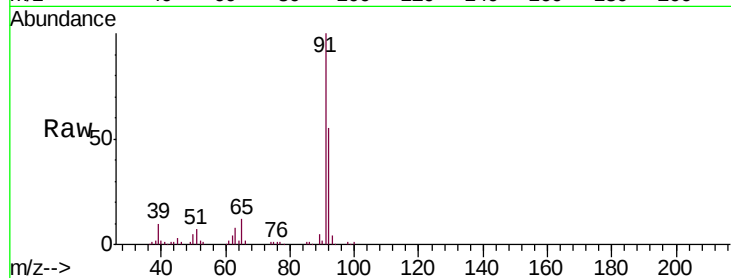
VSTD00535

Tgt Ion: 91 Resp: 90968

Ion Ratio Lower Upper

91 100

92 55.1 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.605 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VU033905.D

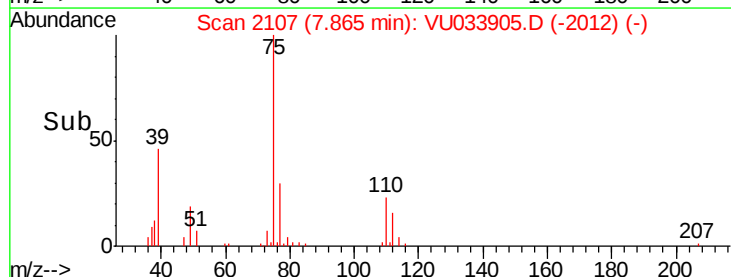
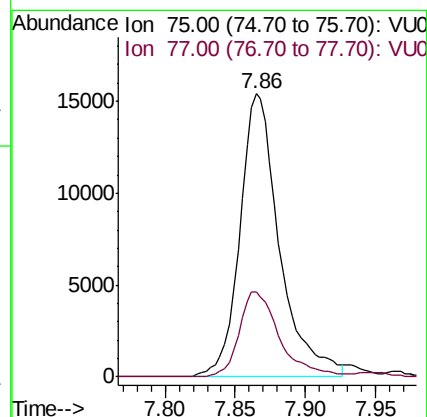
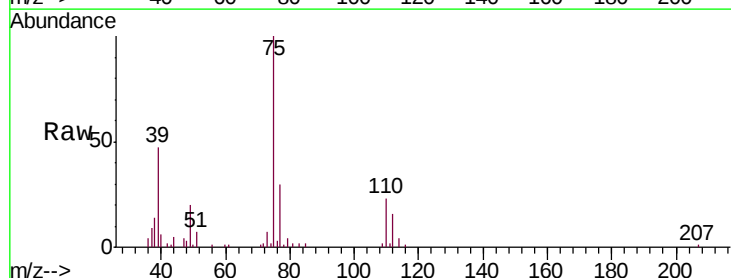
Acq: 22 Aug 2019 17:10

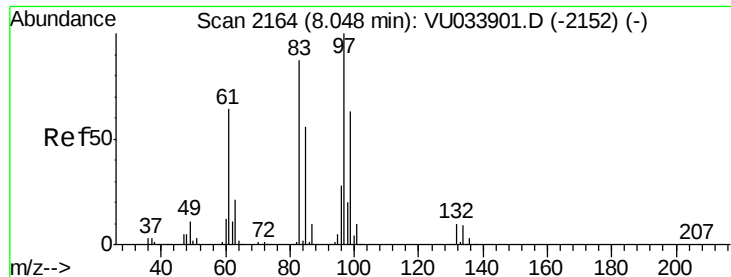
Tgt Ion: 75 Resp: 30291

Ion Ratio Lower Upper

75 100

77 29.9 22.3 41.3

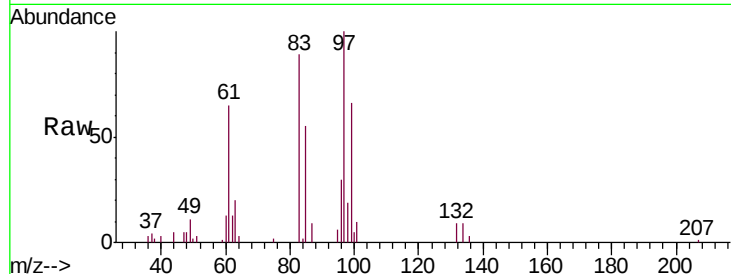




#45
 1,1,2-Trichloroethane
 Concen: 4.949 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033905.D
 Acq: 22 Aug 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

Tgt Ion:	97	Resp:	22722
Ion	Ratio	Lower	Upper
97	100		
99	65.9	44.2	82.2
83	89.3	61.2	113.6
85	55.2	39.0	72.4

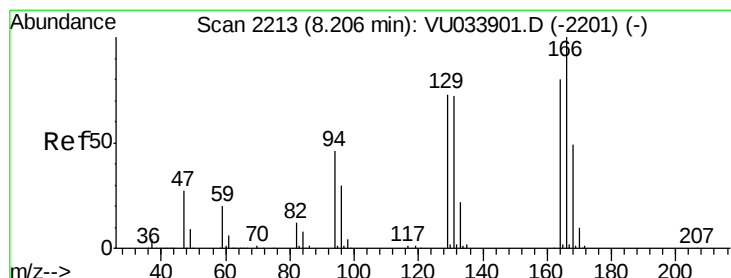
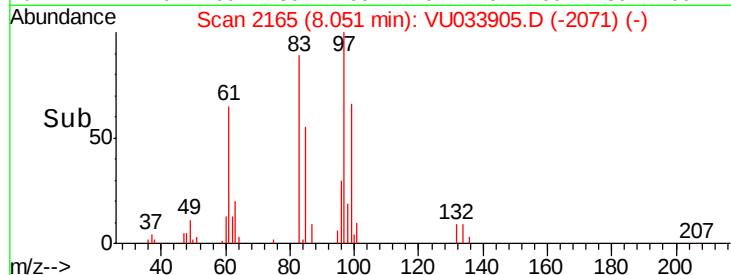
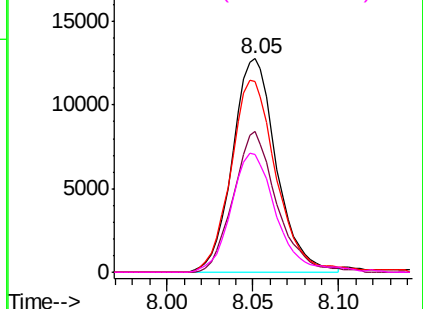


Abundance Ion 97.00 (96.70 to 97.70): VU033905.D (-2165) (-)

Ion 99.00 (98.70 to 99.70): VU033905.D (-2165) (-)

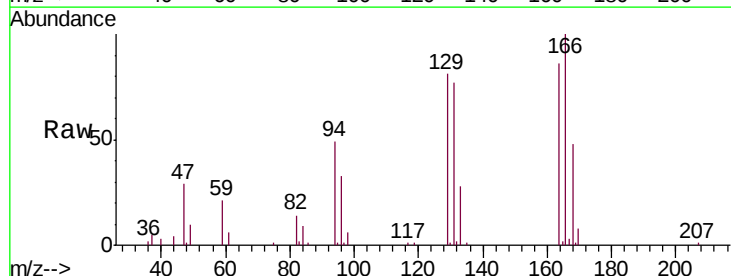
Ion 83.00 (82.70 to 83.70): VU033905.D (-2165) (-)

Ion 85.00 (84.70 to 85.70): VU033905.D (-2165) (-)



#46
 Tetrachloroethene
 Concen: 5.191 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033905.D
 Acq: 22 Aug 2019 17:10

Tgt Ion:	164	Resp:	19675
Ion	Ratio	Lower	Upper
164	100		
129	93.7	63.9	118.7
131	89.5	62.5	116.1
166	116.2	87.3	162.1

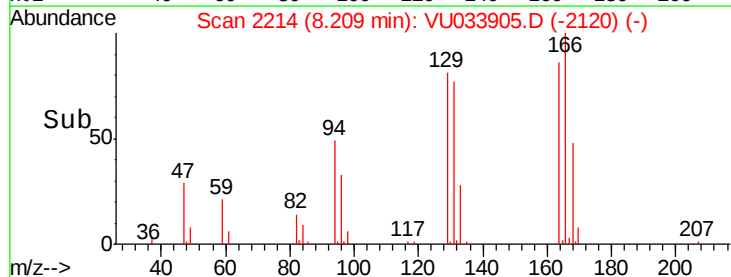
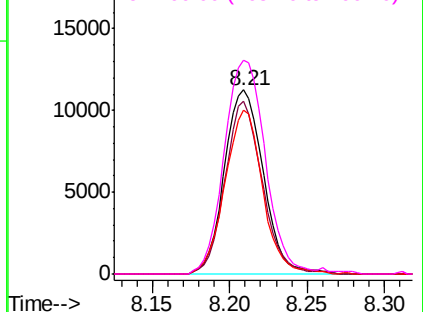


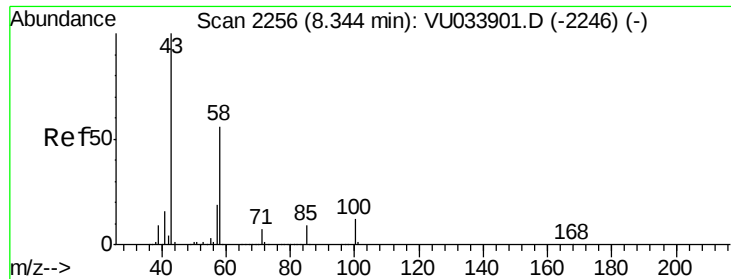
Abundance Ion 164.00 (163.70 to 164.70): VU033905.D (-2213) (-)

Ion 129.00 (128.70 to 129.70): VU033905.D (-2213) (-)

Ion 131.00 (130.70 to 131.70): VU033905.D (-2213) (-)

Ion 166.00 (165.70 to 166.70): VU033905.D (-2213) (-)

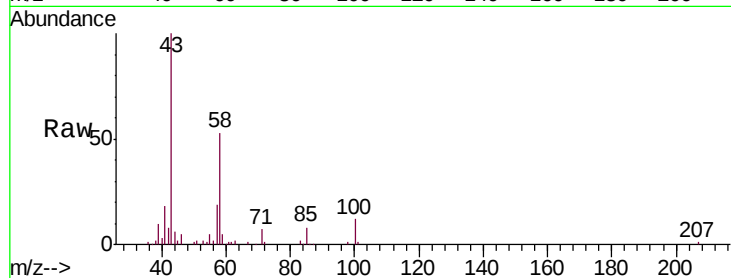




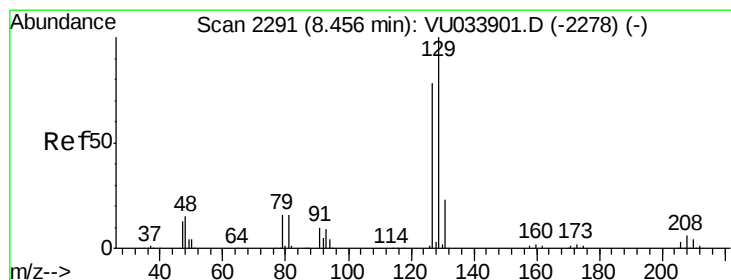
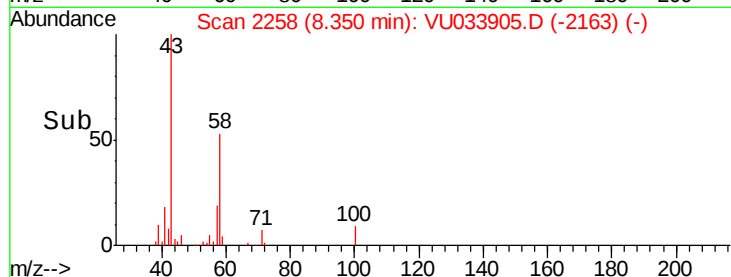
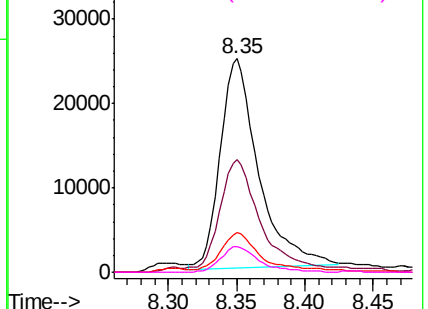
#48
2-Hexanone
Concen: 10.457 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033905.D
Acq: 22 Aug 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

Tgt Ion:	43	Resp:	48880
Ion	Ratio	Lower	Upper
43	100		
58	52.6	44.3	66.5
57	17.2	15.3	22.9
100	12.2	9.4	14.2

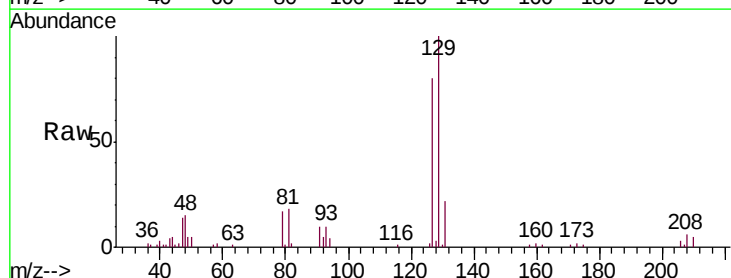


Abundance Ion 43.00 (42.70 to 43.70): VU033905.D (-2163) (-)
Ion 58.00 (57.70 to 58.70): VU033905.D (-2163) (-)
Ion 57.00 (56.70 to 57.70): VU033905.D (-2163) (-)
Ion 100.00 (99.70 to 100.70): VU033905.D (-2163) (-)

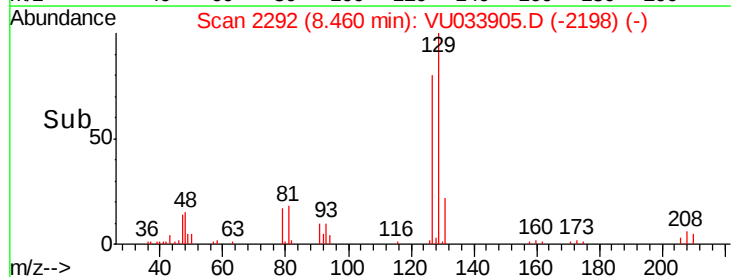
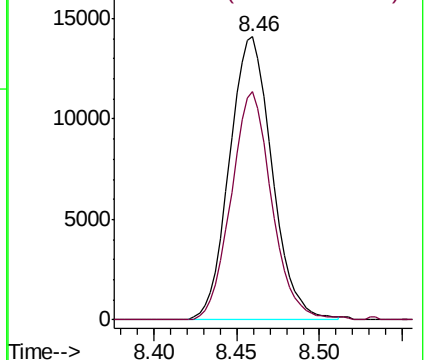


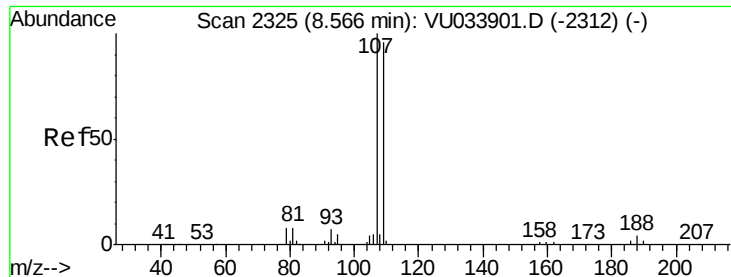
#49
Dibromochloromethane
Concen: 4.906 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033905.D
Acq: 22 Aug 2019 17:10

Tgt Ion:	129	Resp:	25243
Ion	Ratio	Lower	Upper
129	100		
127	80.5	54.5	101.3



Abundance Ion 129.00 (128.70 to 129.70): VU033905.D (-2198) (-)
Ion 127.00 (126.70 to 127.70): VU033905.D (-2198) (-)

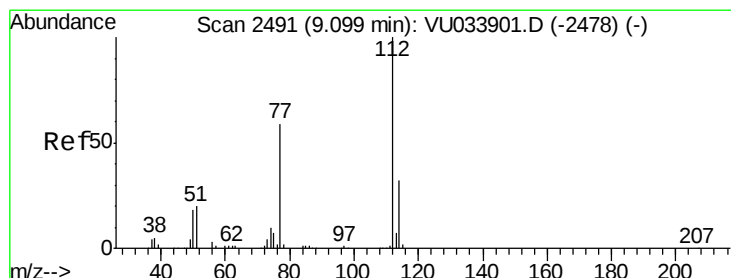
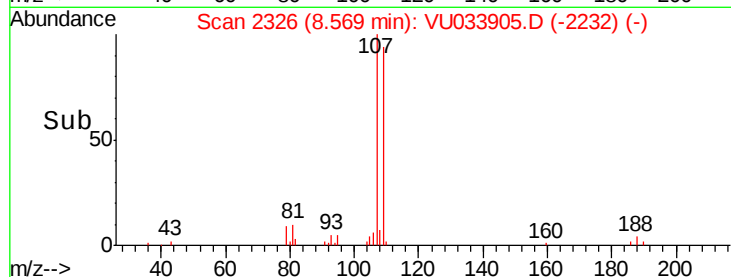
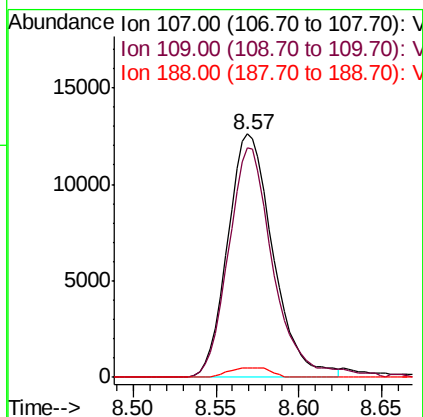
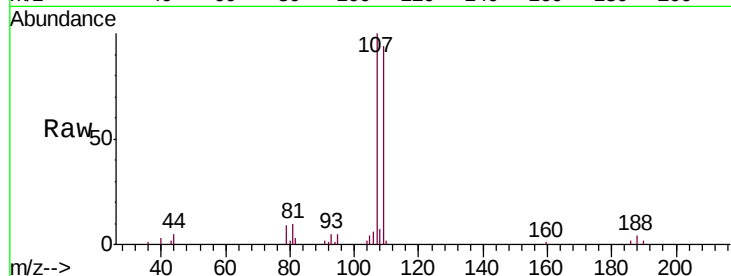




#50
1,2-Dibromoethane
Concen: 4.930 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033905.D
Acq: 22 Aug 2019 17:10

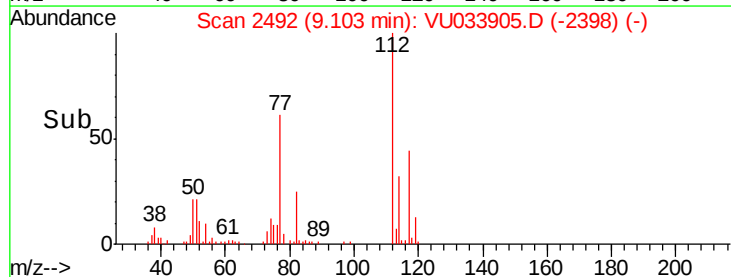
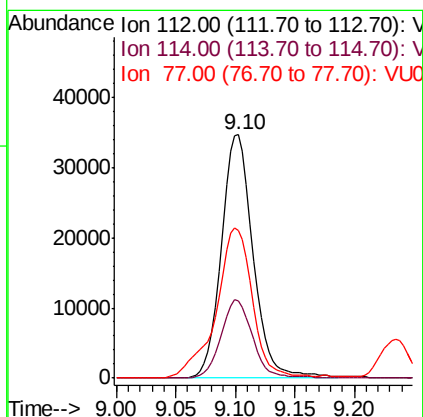
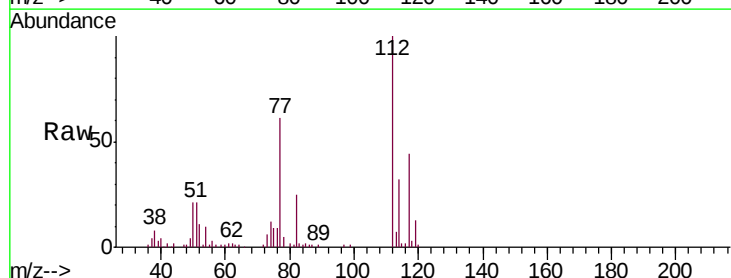
Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

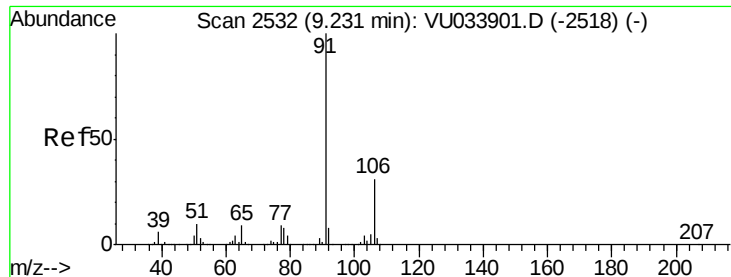
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.9	124.3
188	3.9	3.0	4.4



#51
Chlorobenzene
Concen: 5.165 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033905.D
Acq: 22 Aug 2019 17:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.7
77	60.7	47.3	70.9





#52

Ethylbenzene

Concen: 4.648 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

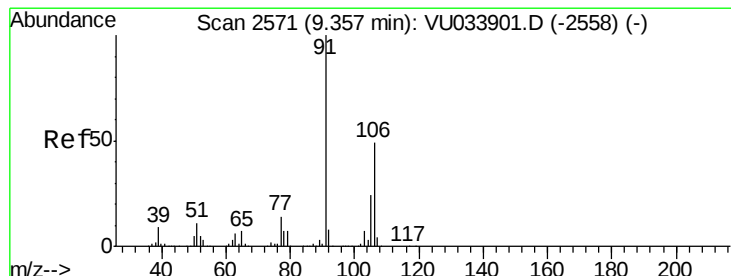
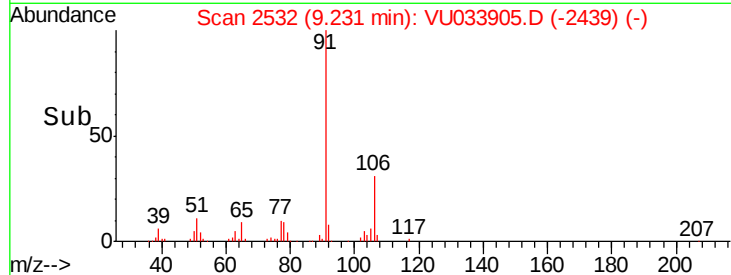
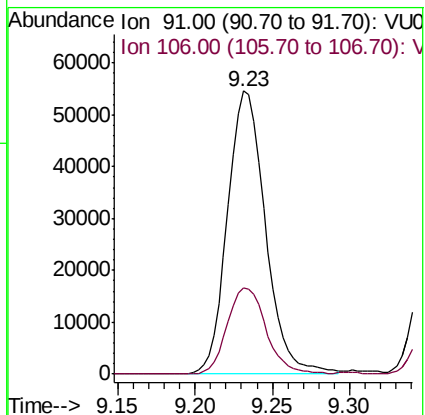
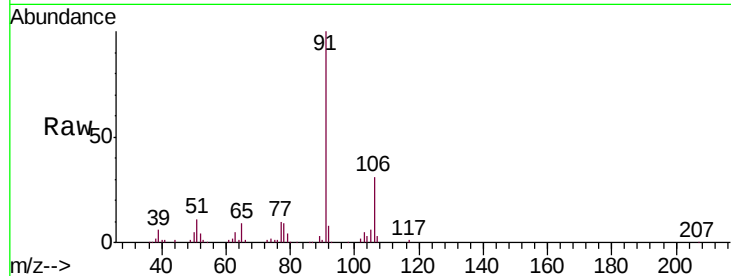
VSTD00535

Tgt Ion: 91 Resp: 93040

Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



#53

m,p-Xylene

Concen: 4.490 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033905.D

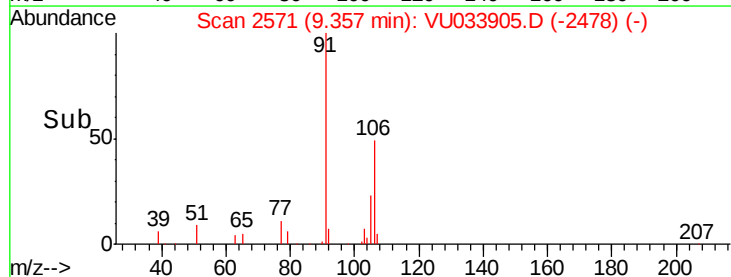
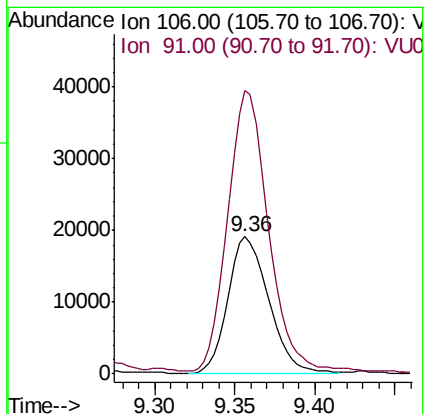
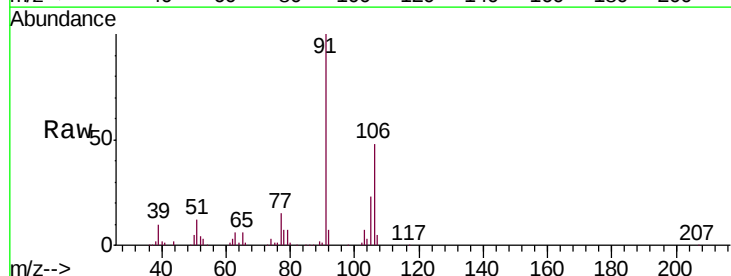
Acq: 22 Aug 2019 17:10

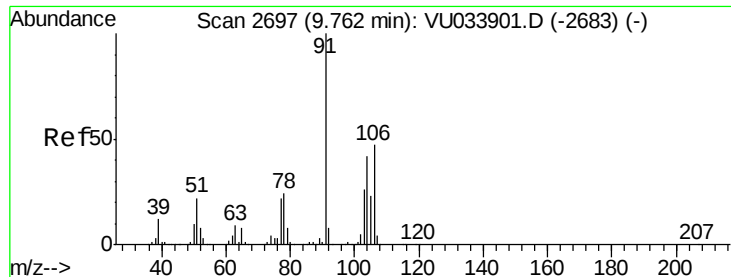
Tgt Ion: 106 Resp: 33535

Ion Ratio Lower Upper

106 100

91 206.2 142.2 264.0





#54

o-xylene

Concen: 4.436 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

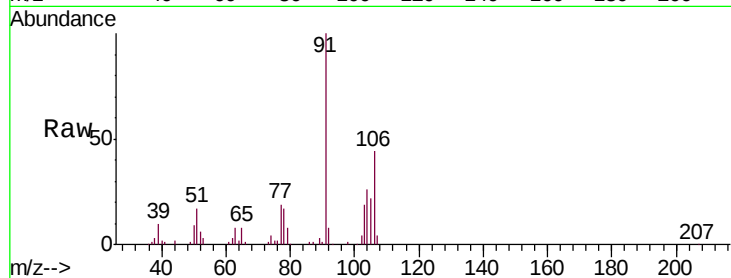
VSTD00535

Tgt Ion:106 Resp: 32174

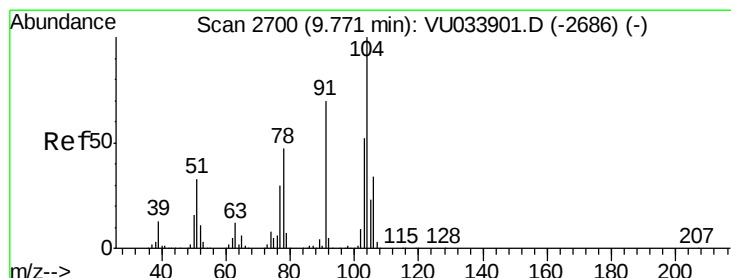
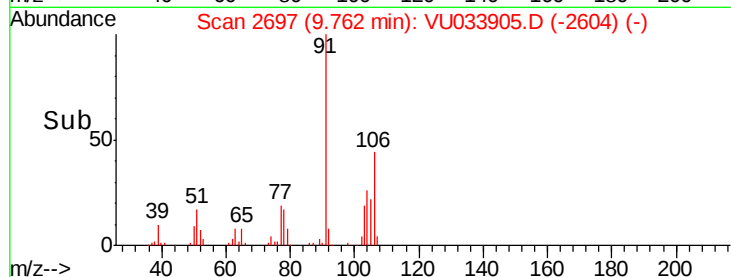
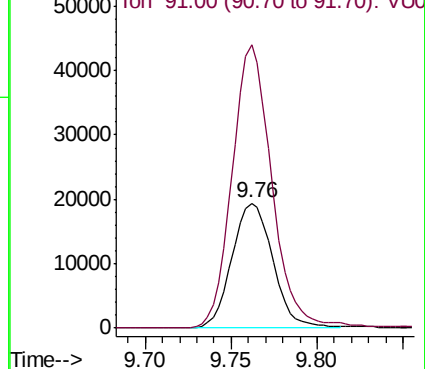
Ion Ratio Lower Upper

106 100

91 226.3 148.6 276.0



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 4.251 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.01 min

Lab File: VU033905.D

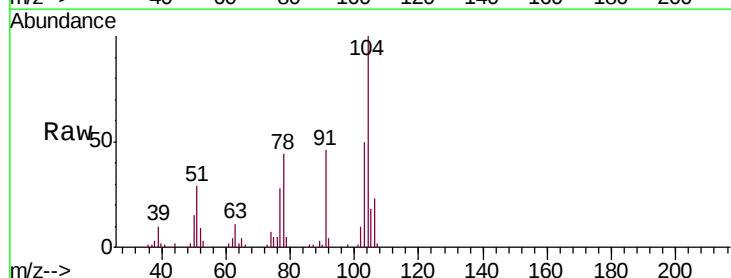
Acq: 22 Aug 2019 17:10

Tgt Ion:104 Resp: 52752

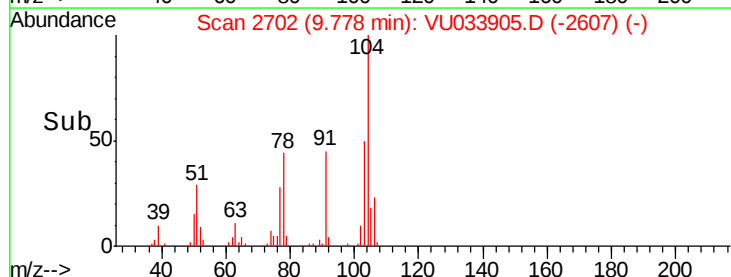
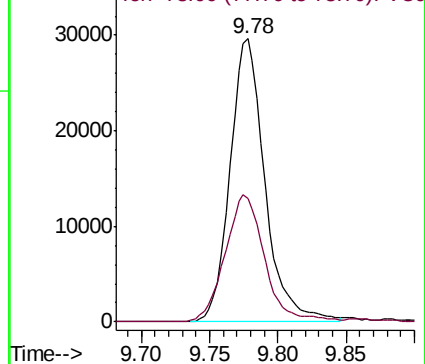
Ion Ratio Lower Upper

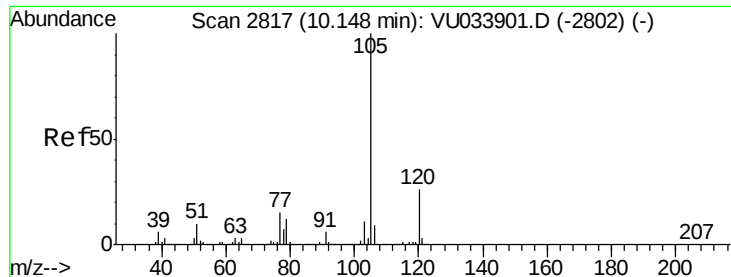
104 100

78 43.6 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 4.432 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

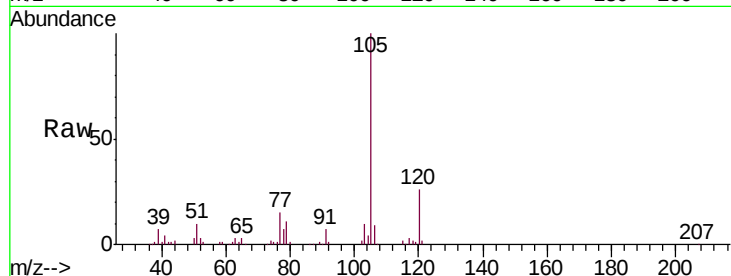
Tgt Ion: 105 Resp: 84005

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

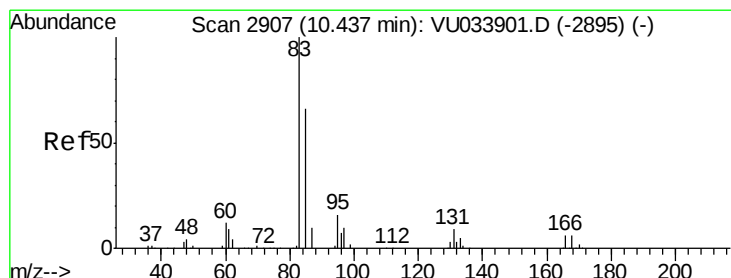
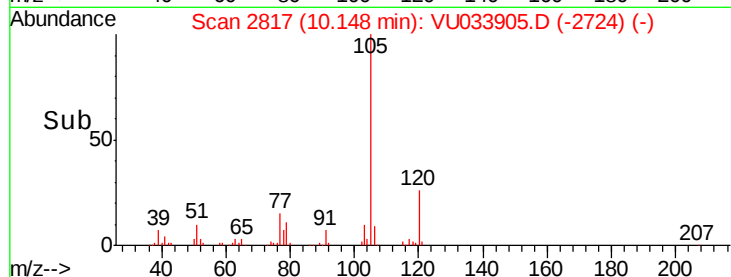
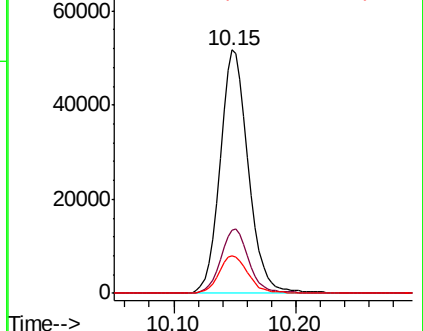
77 16.1 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.316 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

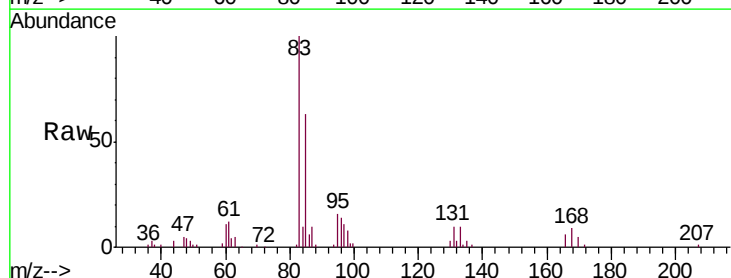
Tgt Ion: 83 Resp: 39860

Ion Ratio Lower Upper

83 100

85 63.4 46.3 85.9

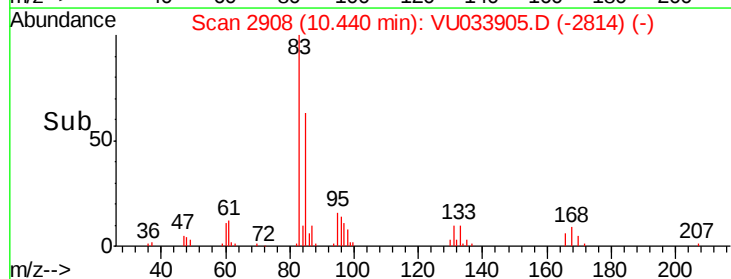
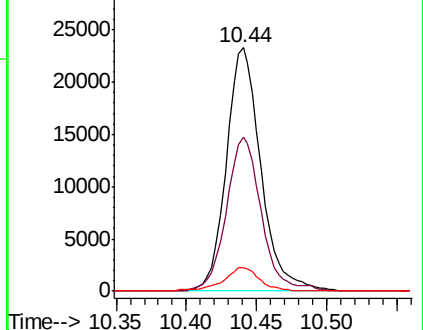
131 9.8 7.9 11.9

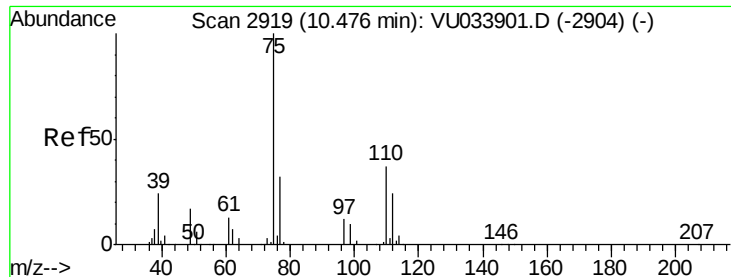


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.383 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

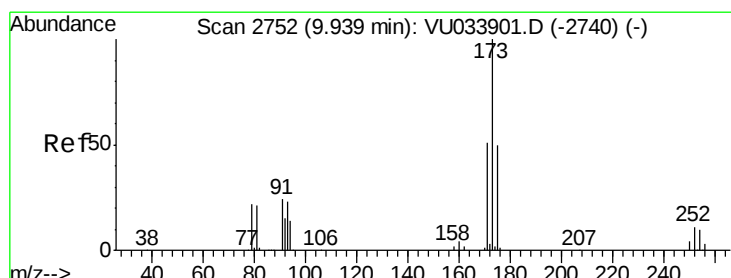
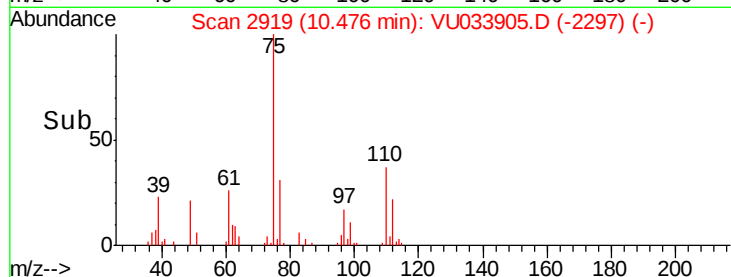
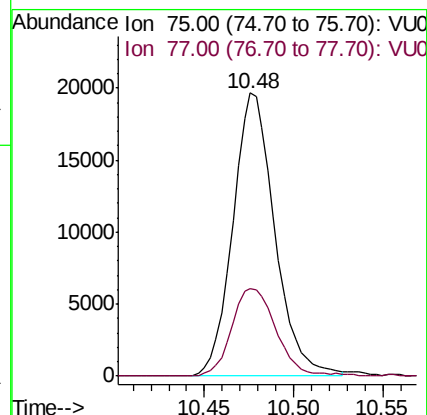
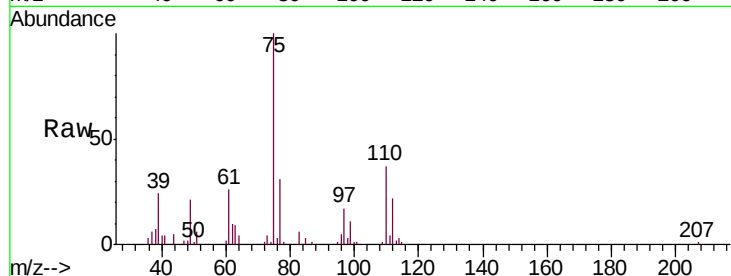
VSTD00535

Tgt Ion: 75 Resp: 32206

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



#61

Bromoform

Concen: 5.315 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

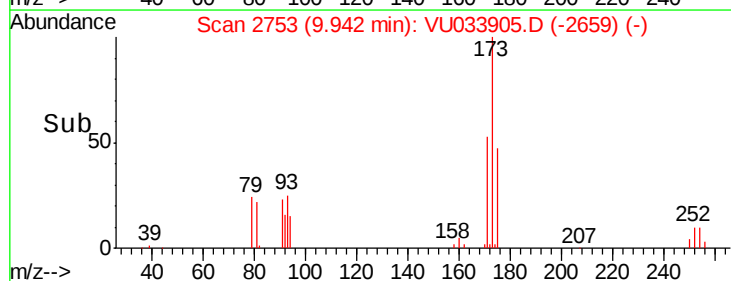
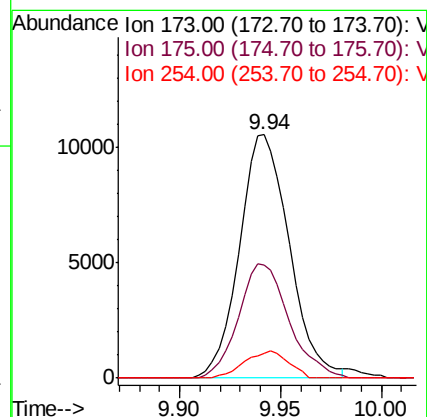
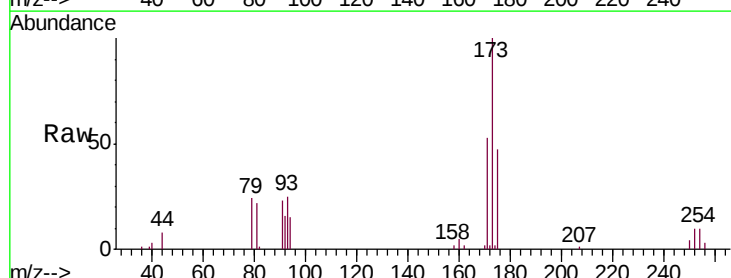
Tgt Ion: 173 Resp: 18248

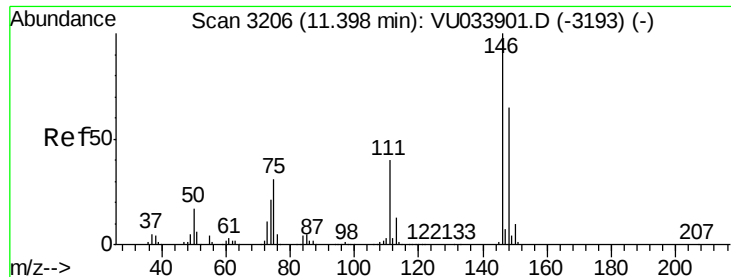
Ion Ratio Lower Upper

173 100

175 47.5 39.4 59.2

254 9.9 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 5.327 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

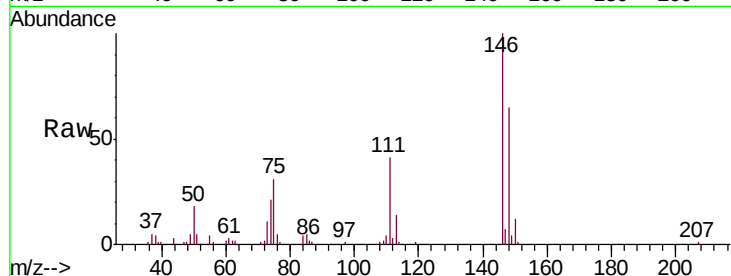
Tgt Ion:146 Resp: 45915

Ion Ratio Lower Upper

146 100

111 41.3 27.8 51.6

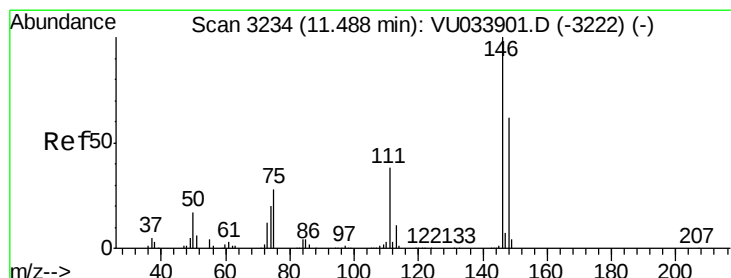
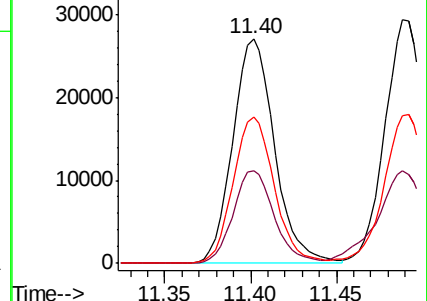
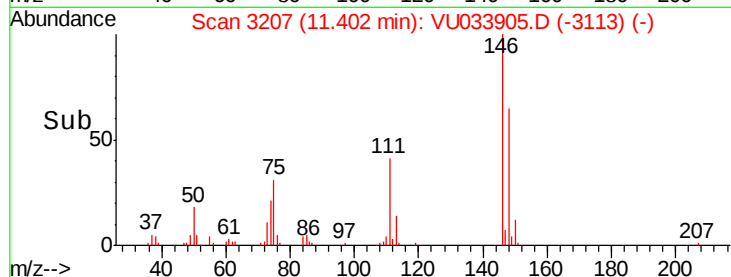
148 65.3 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.665 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

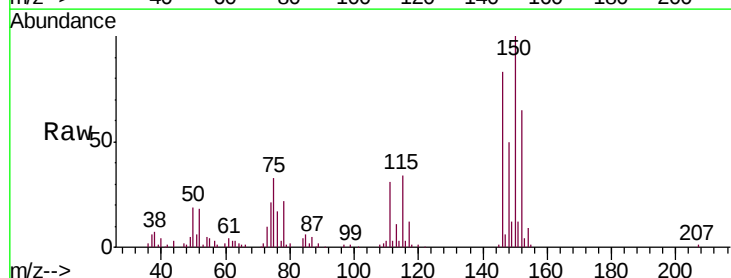
Tgt Ion:146 Resp: 50542

Ion Ratio Lower Upper

146 100

111 38.0 26.7 49.5

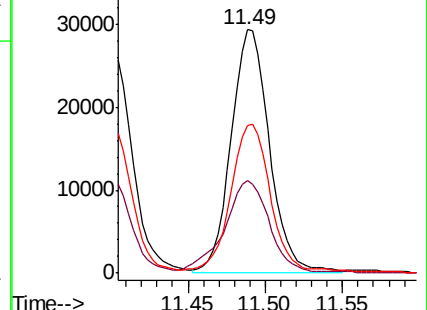
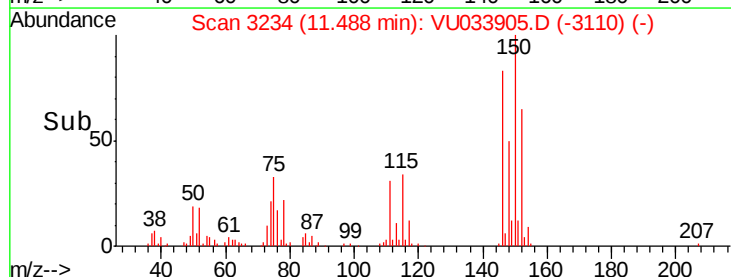
148 60.5 43.5 80.9

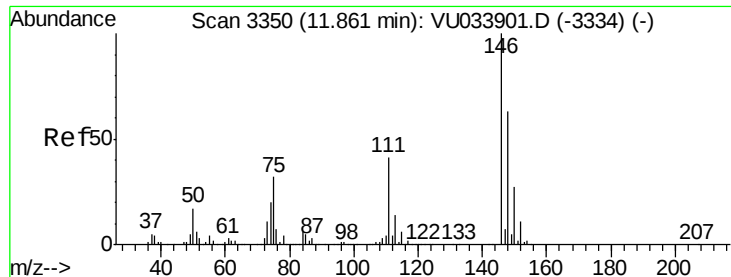


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

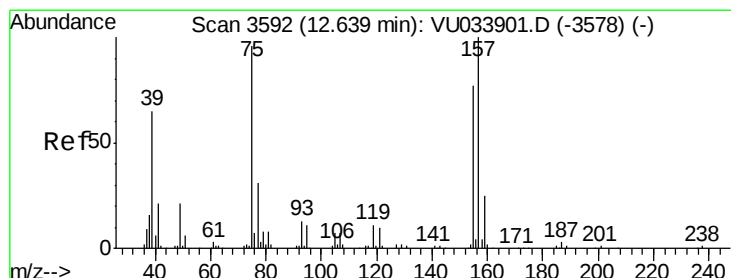
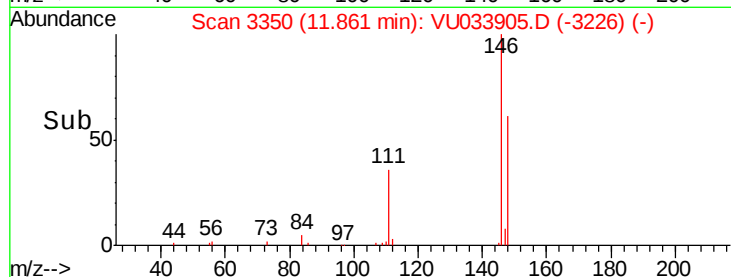
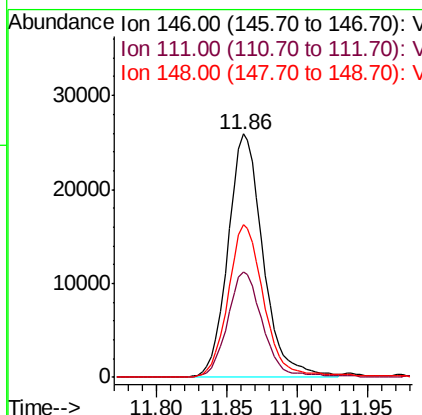
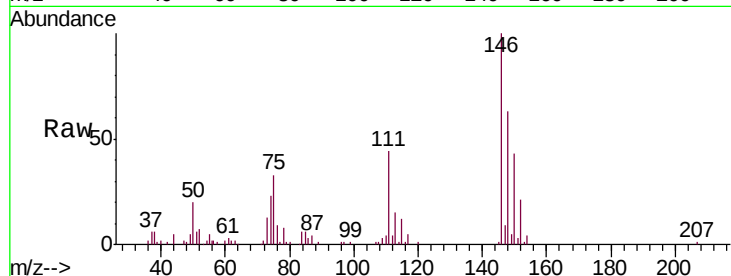




#65
 1,2-Dichlorobenzene
 Concen: 5.238 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033905.D
 Acq: 22 Aug 2019 17:10

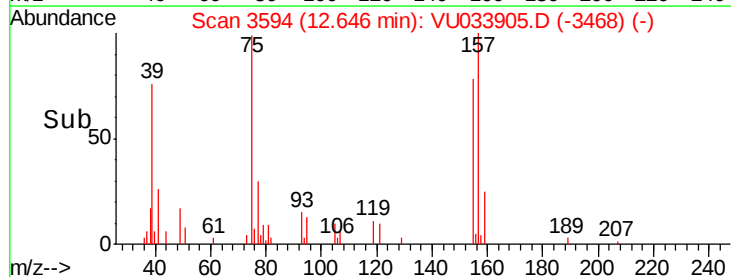
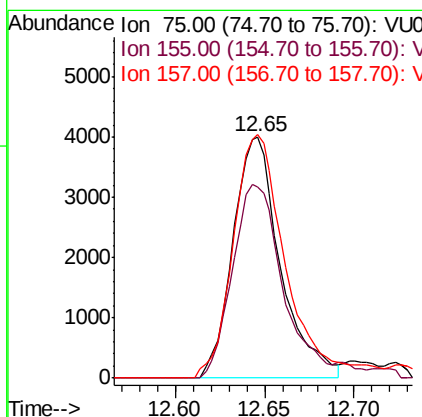
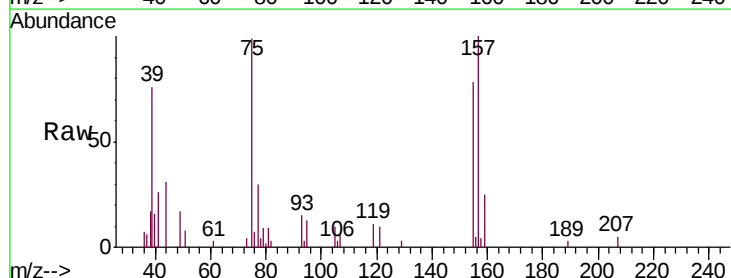
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

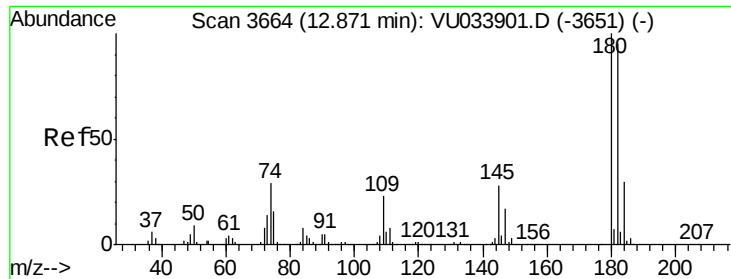
Tgt Ion: 146 Resp: 45209
 Ion Ratio Lower Upper
 146 100
 111 43.5 33.1 49.7
 148 62.8 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.029 ug/L
 RT: 12.65 min Scan# 3594
 Delta R.T. 0.01 min
 Lab File: VU033905.D
 Acq: 22 Aug 2019 17:10

Tgt Ion: 75 Resp: 7412
 Ion Ratio Lower Upper
 75 100
 155 79.1 64.3 96.5
 157 105.0 83.4 125.2

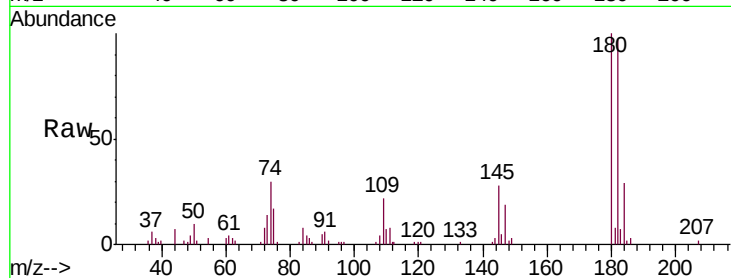




#67
 1,3,5-Trichlorobenzene
 Concen: 5.178 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033905.D
 Acq: 22 Aug 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.4	114.6
184	28.7	24.1	36.1
145	28.2	22.4	33.6



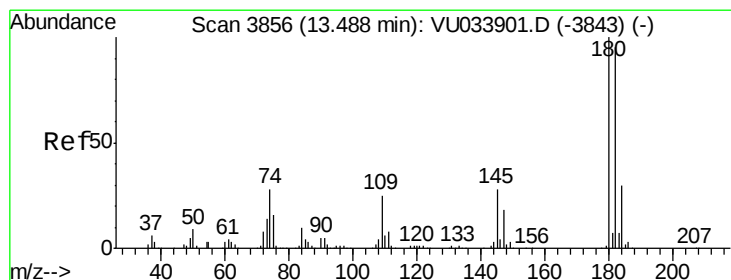
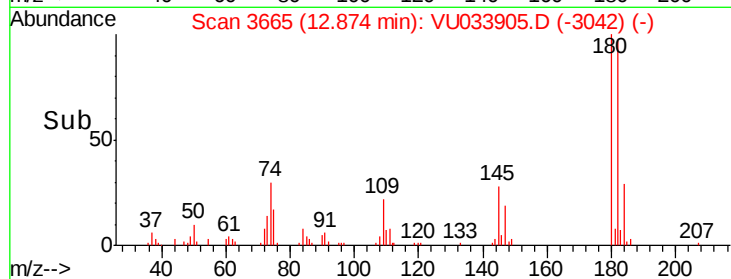
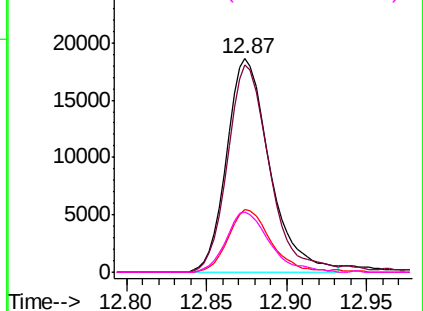
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

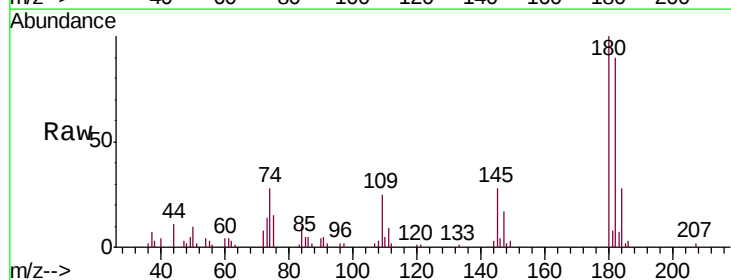
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.409 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033905.D
 Acq: 22 Aug 2019 17:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.8	115.2
145	26.8	22.8	34.2

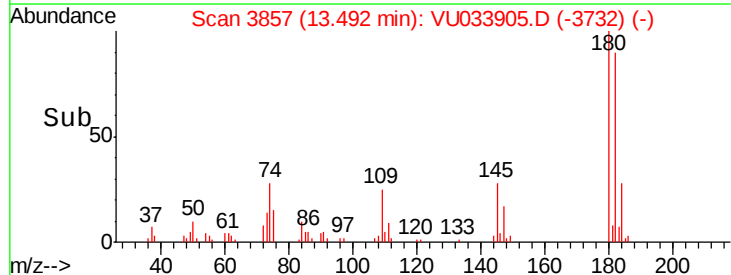
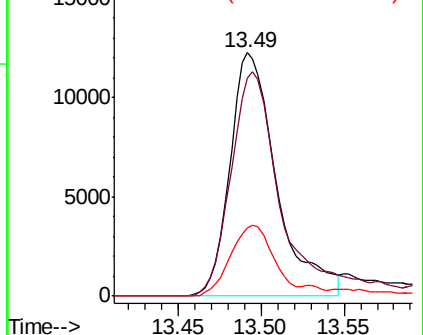


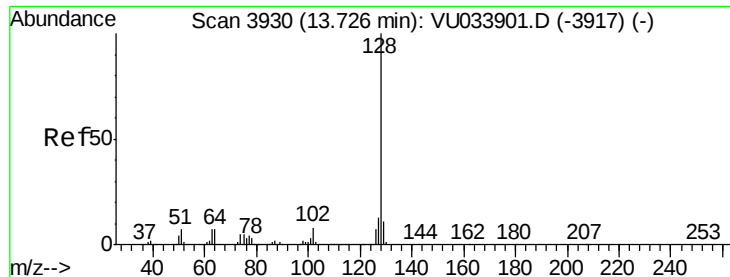
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 4.148 ug/L

RT: 13.73 min Scan# 3932

Delta R.T. 0.01 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

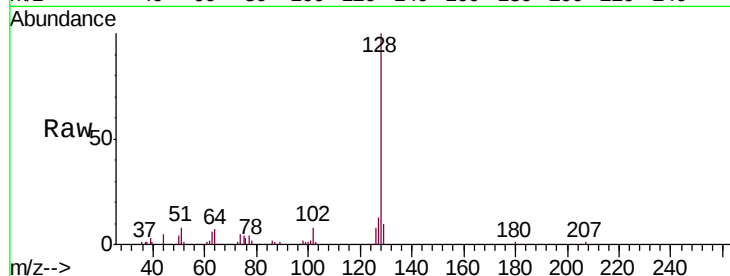
Tgt Ion:128 Resp: 63492

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

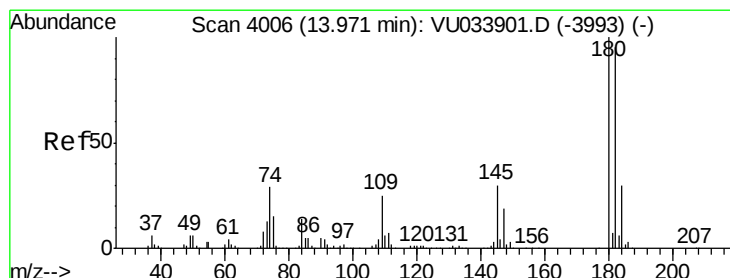
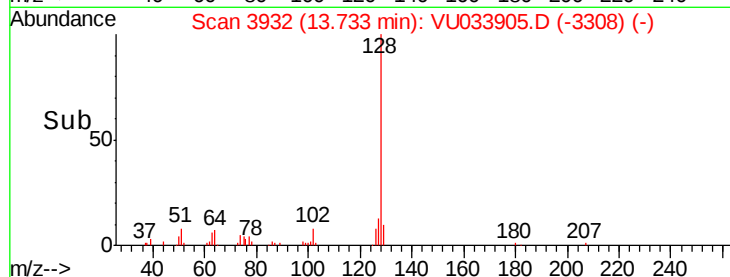
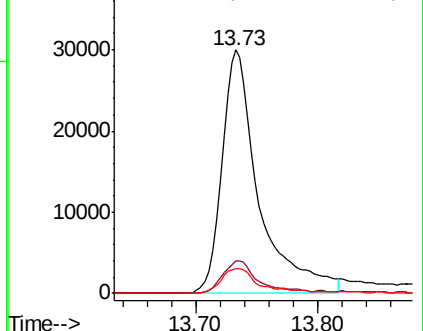
129 9.2 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.897 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. 0.01 min

Lab File: VU033905.D

Acq: 22 Aug 2019 17:10

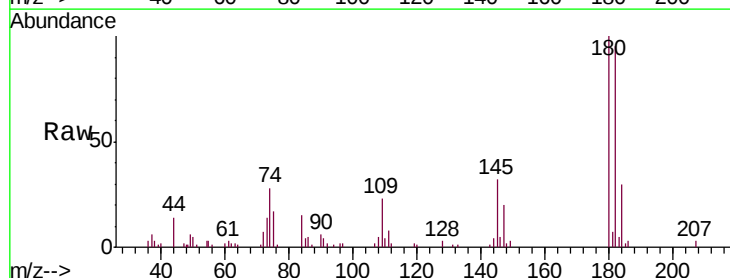
Tgt Ion:180 Resp: 27668

Ion Ratio Lower Upper

180 100

182 92.9 76.7 115.1

145 28.7 23.9 35.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

