

Data File : VU035207.D
Acq On : 17 Oct 2019 12:12
Operator : JC/SP
Sample : VSTD0.506
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Quant Time: Oct 18 02:14:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 02:07:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	389042	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	369610	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	149441	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	12396	0.53	ug/L	0.00
7) Chloroethane-d5	1.93	69	11095	0.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	22215	0.46	ug/L	0.00
20) 2-Butanone-d5	4.72	46	34639	5.01	ug/L	0.00
24) Chloroform-d	5.12	84	22541	0.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	12903	0.50	ug/L	0.00
32) Benzene-d6	5.77	84	41622	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	13132	0.45	ug/L	0.00
41) Toluene-d8	7.93	98	41026	0.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	6360	0.57	ug/L	0.00
46) 2-Hexanone-d5	8.69	63	27646	5.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	12401	0.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	16948	0.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	16895	0.480 ug/L	99
3) Chloromethane	1.54	50	17679	0.468 ug/L	98
5) Vinyl chloride	1.62	62	17307	0.462 ug/L	100
6) Bromomethane	1.88	94	9893	0.466 ug/L	93
8) Chloroethane	1.95	64	10728	0.475 ug/L	92
9) Trichlorofluoromethane	2.16	101	23415	0.506 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	13268	0.495 ug/L	98
12) 1,1-Dichloroethene	2.61	96	13428	0.537 ug/L	88
13) Acetone	2.70	43	23563	4.319 ug/L	98
14) Carbon disulfide	2.83	76	41634	0.505 ug/L	95
15) Methyl Acetate	3.01	43	5149	0.362 ug/L #	84
16) Methylene chloride	3.09	84	18357	0.597 ug/L	94
17) Methyl tert-butyl Ether	3.43	73	34335	0.500 ug/L	98
18) trans-1,2-Dichloroethene	3.40	96	13671	0.507 ug/L	87
19) 1,1-Dichloroethane	3.92	63	24690	0.471 ug/L	95
21) 2-Butanone	4.80	43	37765	4.809 ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	15380	0.511 ug/L	95
23) Bromochloromethane	5.03	128	6350	0.506 ug/L	93
25) Chloroform	5.14	83	30645	0.522 ug/L	97
27) 1,2-Dichloroethane	5.85	62	17287	0.498 ug/L	99
29) 1,1,1-Trichloroethane	5.37	97	21753	0.517 ug/L	100
30) Cyclohexane	5.43	56	24100	0.524 ug/L	98
31) Carbon tetrachloride	5.57	117	19211	0.525 ug/L	98
33) Benzene	5.82	78	54672	0.491 ug/L	100
34) Trichloroethene	6.58	95	15091	0.523 ug/L	95
35) Methylcyclohexane	6.80	83	24823	0.527 ug/L	99
37) 1,2-Dichloropropane	6.84	63	14310	0.482 ug/L	100
38) Bromodichloromethane	7.15	83	18971	0.530 ug/L	96
39) cis-1,3-Dichloropropene	7.65	75	22651	0.540 ug/L	87
40) 4-Methyl-2-pentanone	7.85	43	98329	5.178 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	60906	0.521	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	18768	0.573	ug/L	92
45) 1,1,2-Trichloroethane	8.44	97	10526	0.522	ug/L	97
47) Tetrachloroethene	8.58	164	12573	0.534	ug/L	93
48) 2-Hexanone	8.74	43	64868	4.963	ug/L	93
49) Dibromochloromethane	8.84	129	12552	0.531	ug/L	100
50) 1,2-Dibromoethane	8.96	107	10286	0.530	ug/L	98
51) Chlorobenzene	9.48	112	39230	0.516	ug/L	96
52) Ethylbenzene	9.60	91	69529	0.534	ug/L	100
53) m,p-Xylene	9.73	106	26061	0.540	ug/L	98
54) o-Xylene	10.13	106	25224	0.535	ug/L	95
55) Styrene	10.15	104	38368	0.502	ug/L	96
56) Isopropylbenzene	10.51	105	67869	0.538	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.82	83	13235	0.488	ug/L	98
59) 1,2,3-Trichloropropane	10.86	75	9703	0.496	ug/L	93
61) Bromoform	10.32	173	7967	0.724	ug/L	98
62) 1,3-Dichlorobenzene	11.78	146	27837	0.595	ug/L	99
63) 1,4-Dichlorobenzene	11.87	146	27416	0.582	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	26995	0.601	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.03	75	1770	0.617	ug/L	83
67) 1,3,5-Trichlorobenzene	13.25	180	14020	0.450	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	6958	0.308	ug/L	98
69) Naphthalene	14.11	128	11014	0.326	ug/L #	96
70) 1,2,3-Trichlorobenzene	14.36	180	7480	0.342	ug/L	98

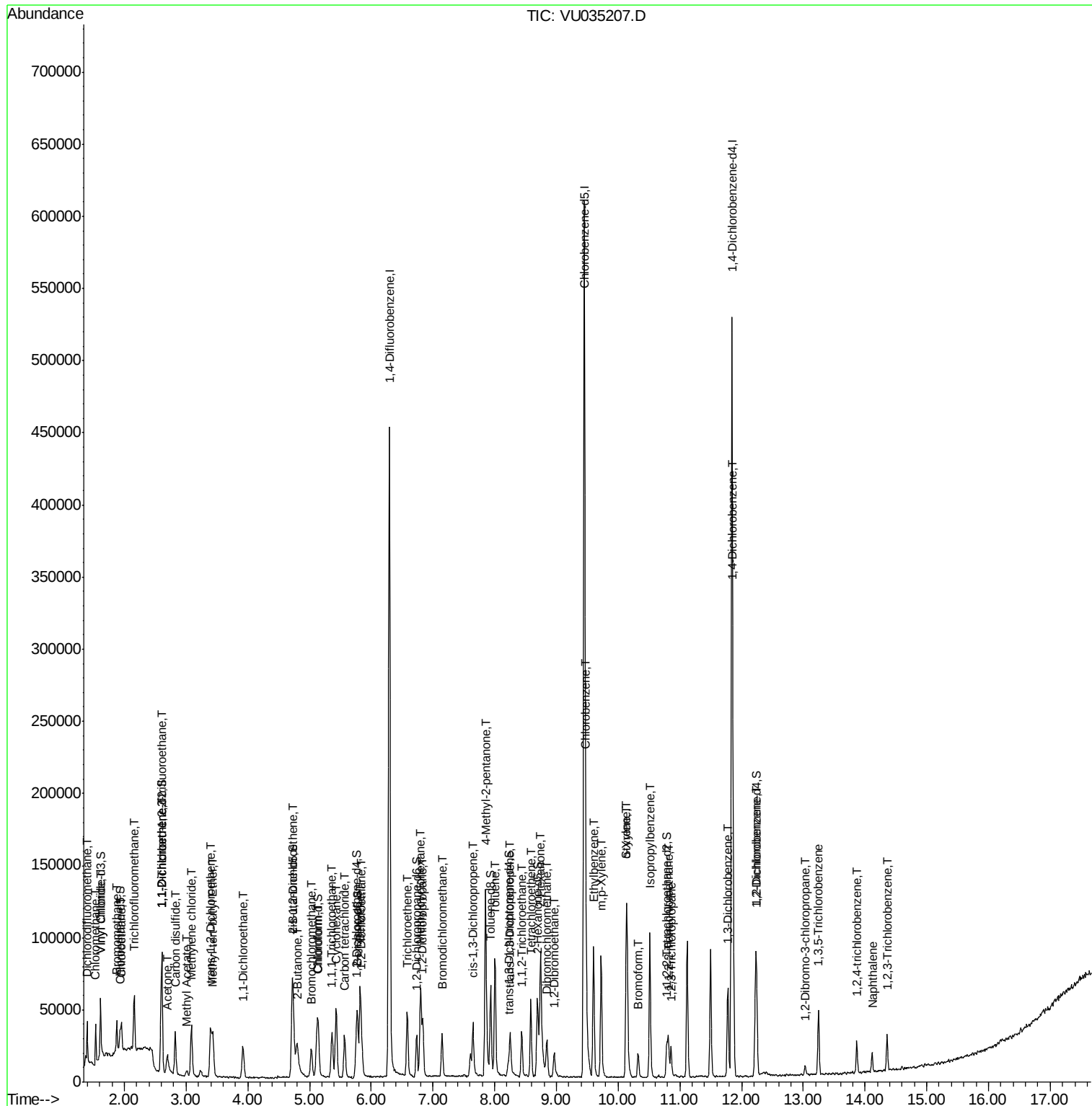
(#) = qualifier out of range (m) = manual integration (+) = signals summed

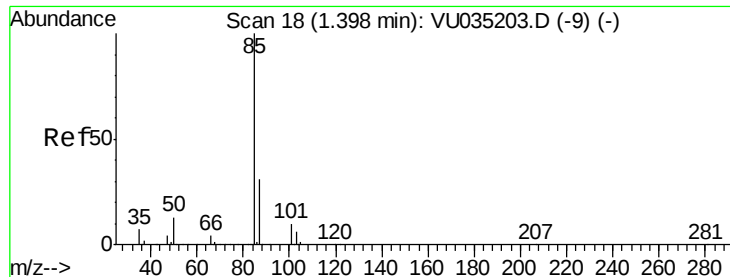
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#2

Dichlorodifluoromethane

Concen: 0.480 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

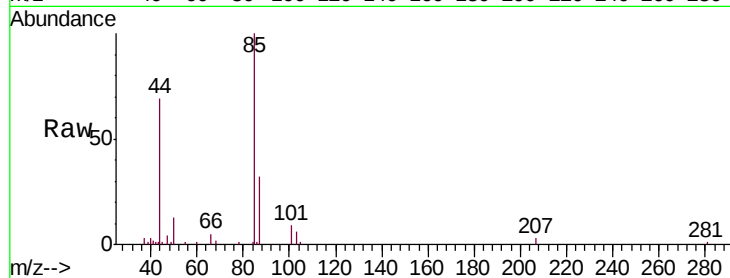
VSTD0.506

Tgt Ion: 85 Resp: 16895

Ion Ratio Lower Upper

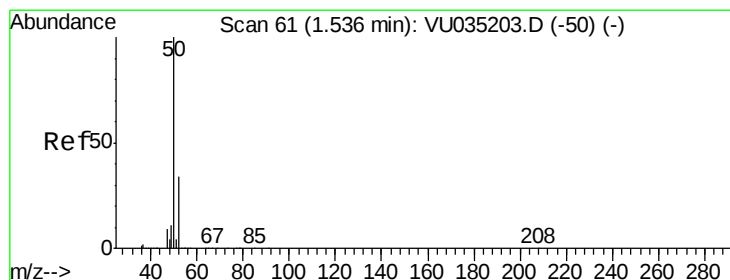
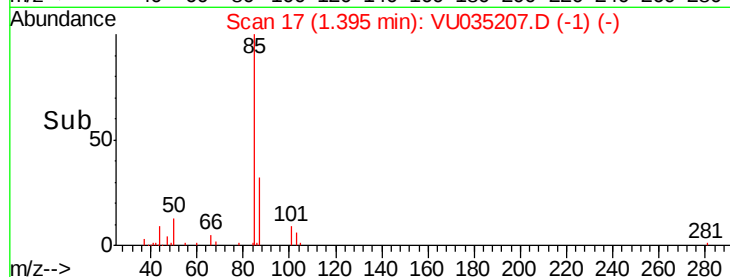
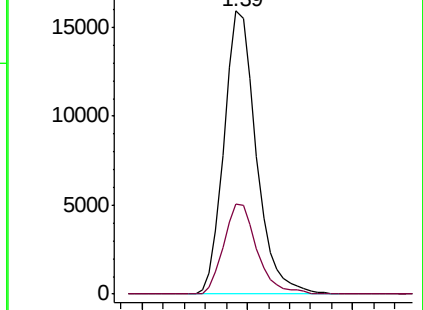
85 100

87 32.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035207.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035207.D (-1) (-)



#3

Chloromethane

Concen: 0.468 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035207.D

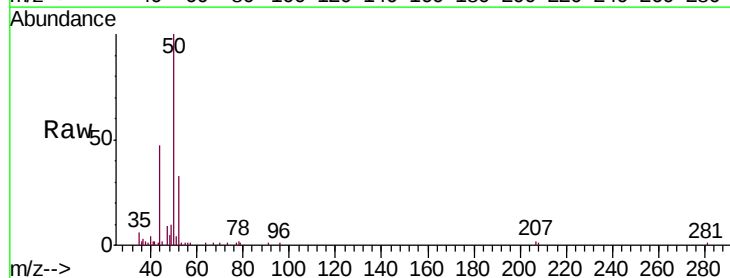
Acq: 17 Oct 2019 12:12

Tgt Ion: 50 Resp: 17679

Ion Ratio Lower Upper

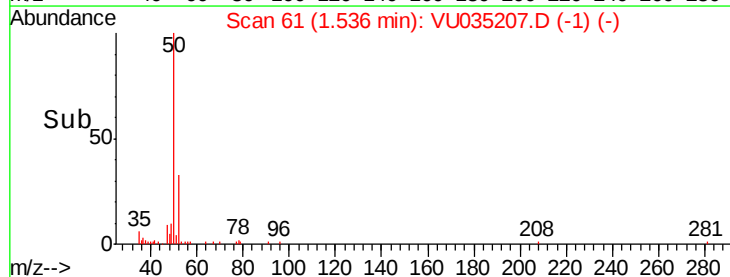
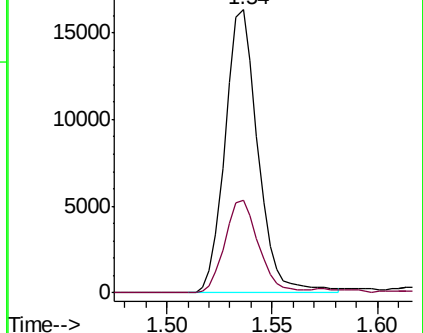
50 100

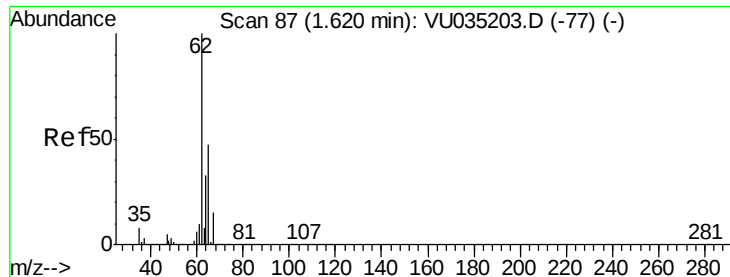
52 32.7 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035207.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035207.D (-1) (-)





#5

Vinyl chloride

Concen: 0.462 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

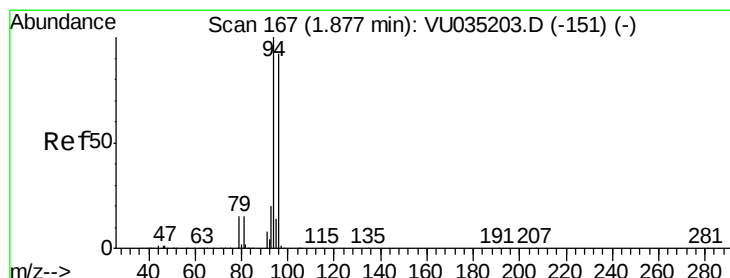
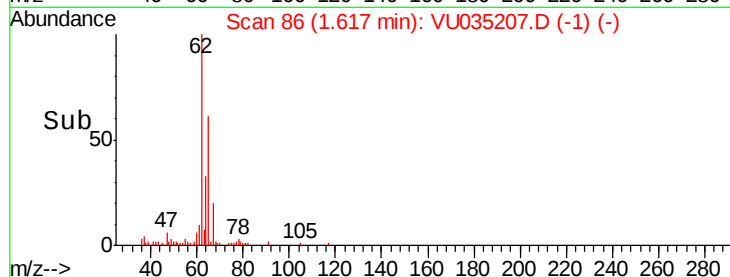
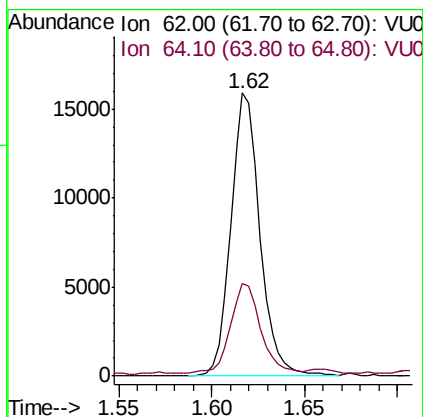
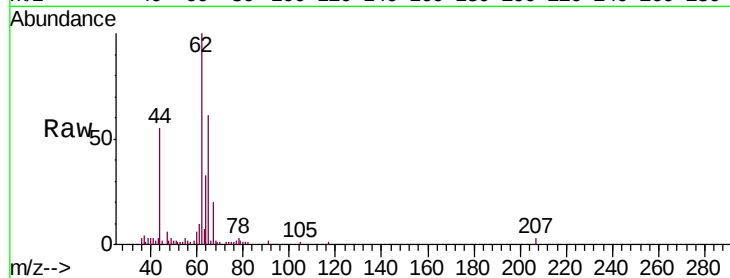
VSTD0.506

Tgt Ion: 62 Resp: 17307

Ion Ratio Lower Upper

62 100

64 32.6 22.9 42.5



#6

Bromomethane

Concen: 0.466 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035207.D

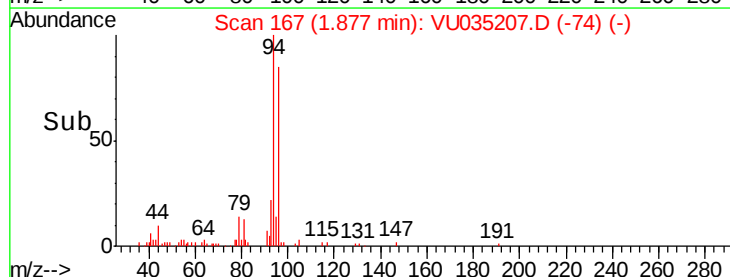
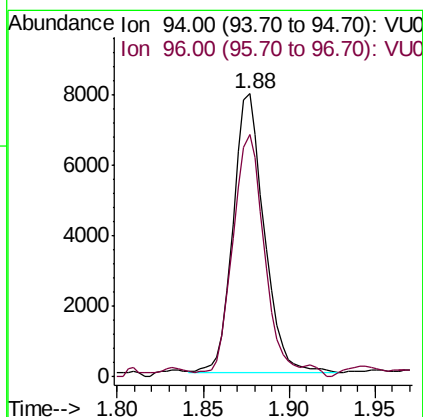
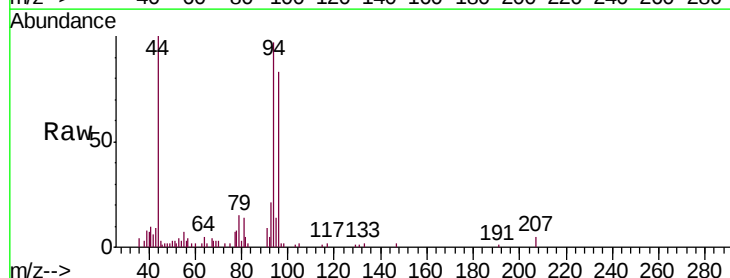
Acq: 17 Oct 2019 12:12

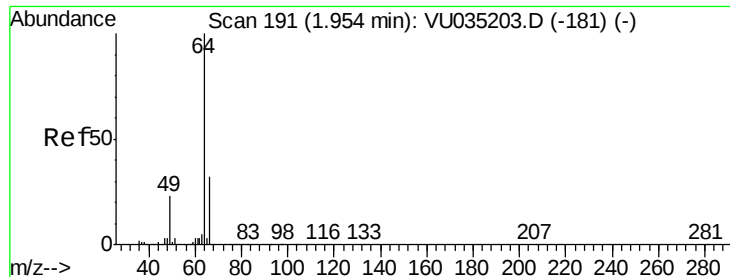
Tgt Ion: 94 Resp: 9893

Ion Ratio Lower Upper

94 100

96 85.8 64.6 120.0

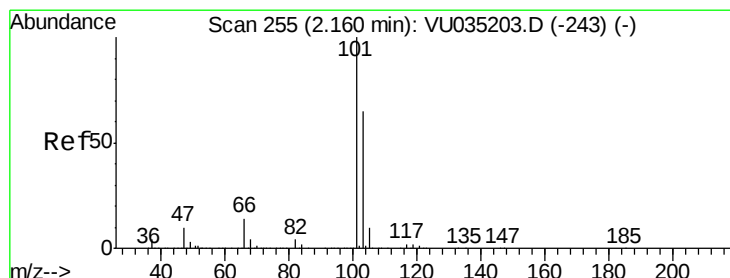
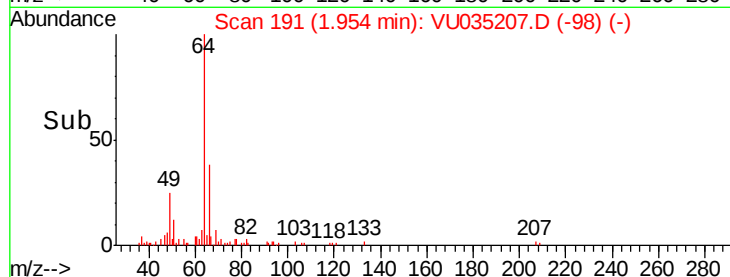
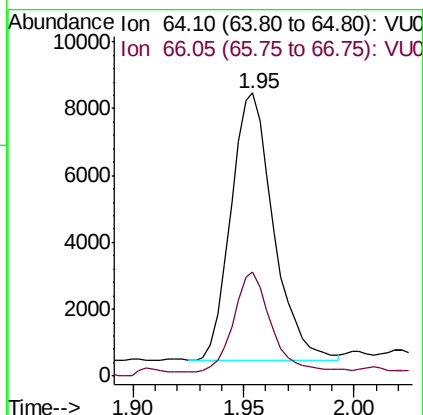
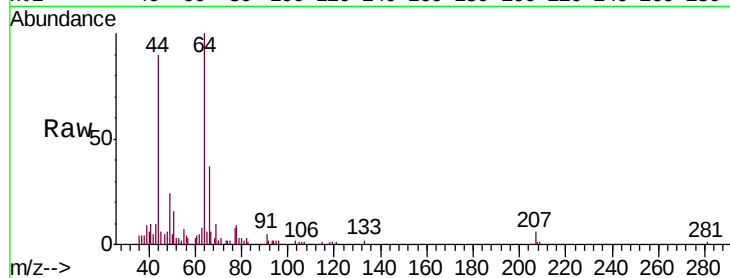




#8
Chloroethane
Concen: 0.475 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035207.D
Acq: 17 Oct 2019 12:12

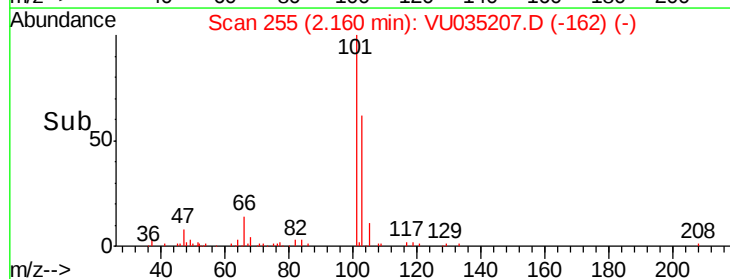
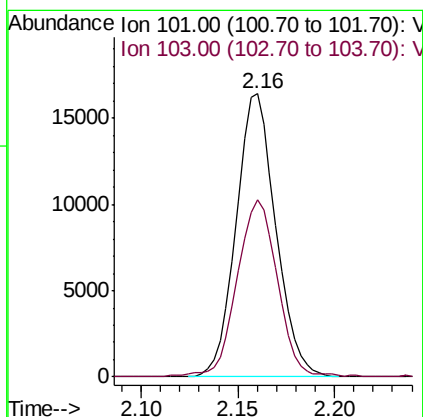
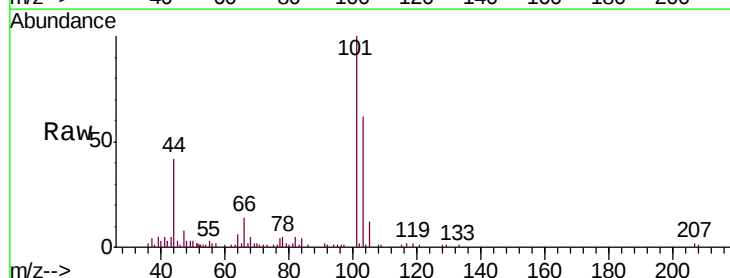
Instrument :
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ClientSampleId :
VSTD0.506

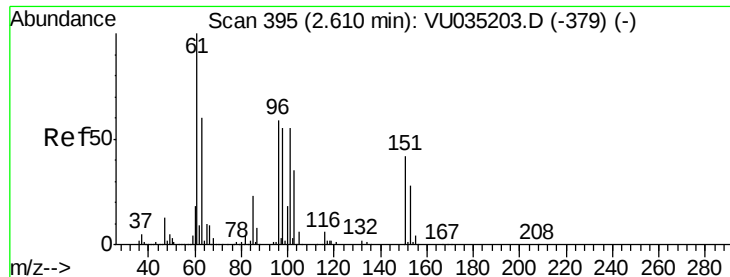
Tgt Ion: 64 Resp: 10728
Ion Ratio Lower Upper
64 100
66 36.8 22.7 42.1



#9
Trichlorofluoromethane
Concen: 0.506 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035207.D
Acq: 17 Oct 2019 12:12

Tgt Ion: 101 Resp: 23415
Ion Ratio Lower Upper
101 100
103 63.8 51.9 77.9





#10

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

Concen: 0.495 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

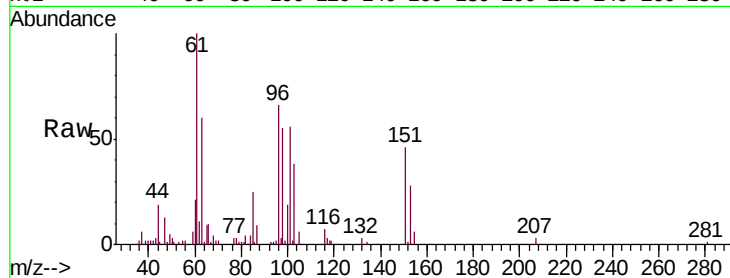
Tgt Ion: 101 Resp: 13268

Ion Ratio Lower Upper

101 100

85 44.6 33.9 50.9

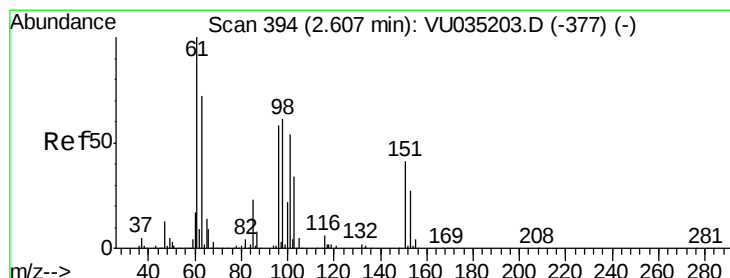
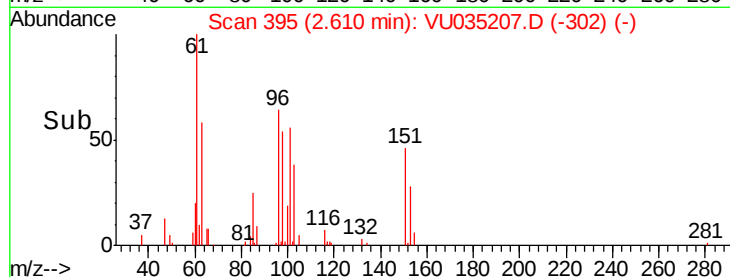
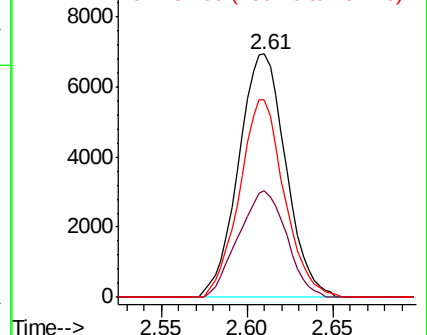
151 77.1 61.0 91.4



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: 0.537 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

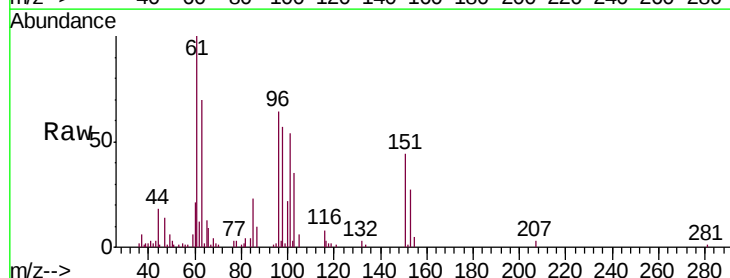
Tgt Ion: 96 Resp: 13428

Ion Ratio Lower Upper

96 100

61 155.9 120.6 224.0

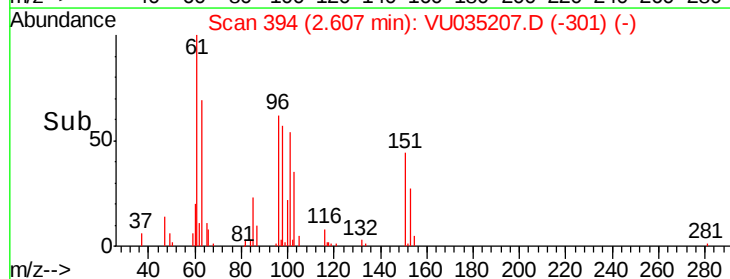
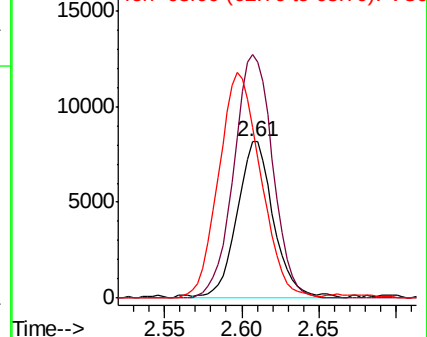
63 109.4 86.8 161.2

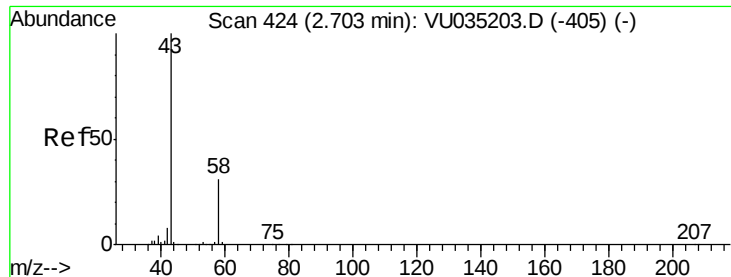


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.319 ug/L

RT: 2.70 min Scan# 422

Delta R.T. -0.01 min

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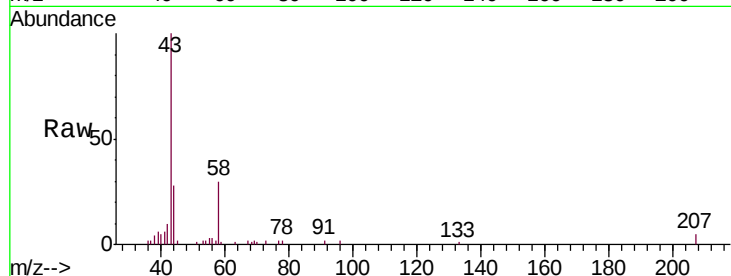
VSTD0.506

Tgt Ion: 43 Resp: 23563

Ion Ratio Lower Upper

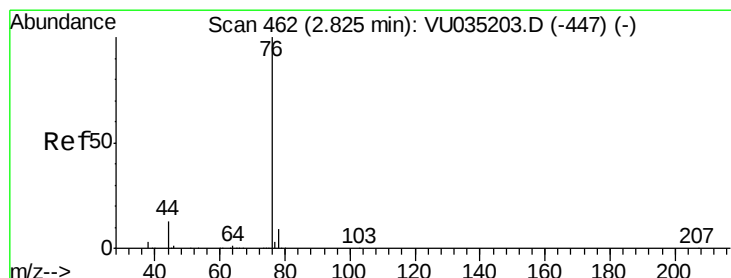
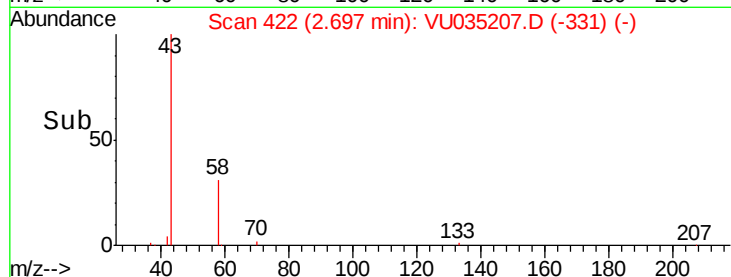
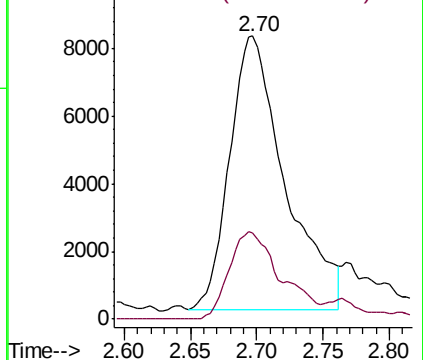
43 100

58 30.0 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035207.D (-405) (-)

Ion 58.05 (57.75 to 58.75): VU035207.D (-405) (-)



#14

Carbon disulfide

Concen: 0.505 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035207.D

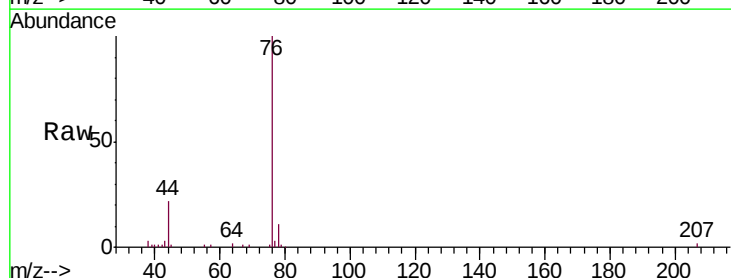
Acq: 17 Oct 2019 12:12

Tgt Ion: 76 Resp: 41634

Ion Ratio Lower Upper

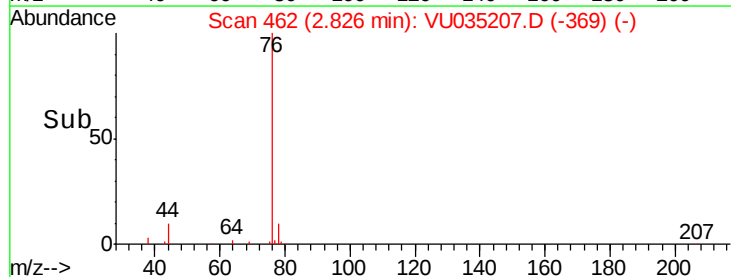
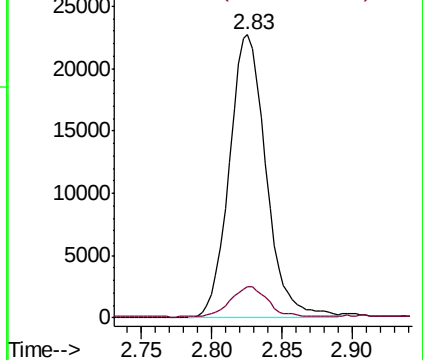
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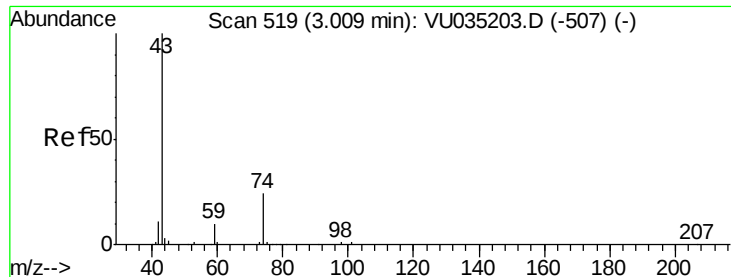
78 11.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035207.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU035207.D (-447) (-)

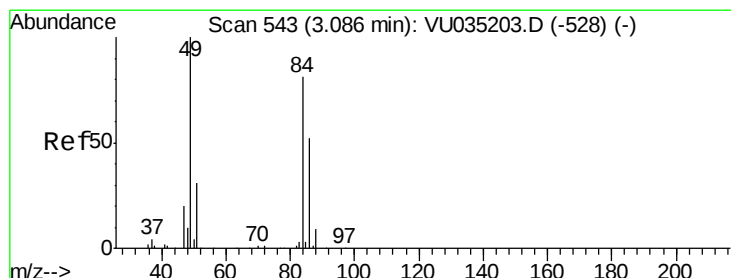
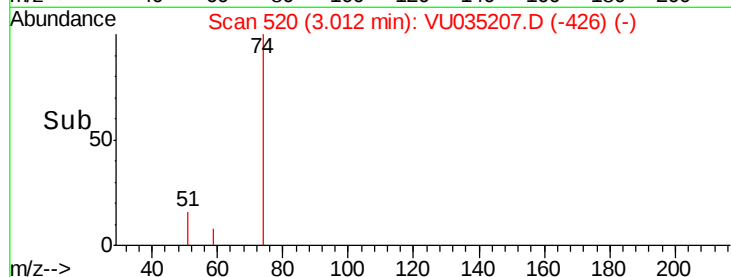
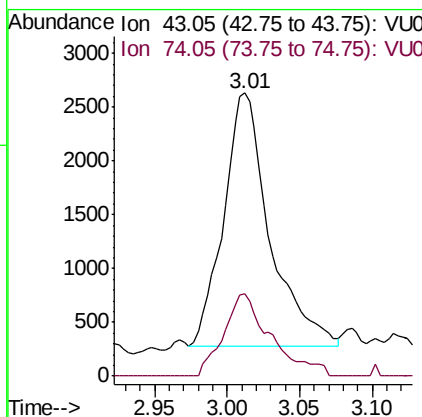
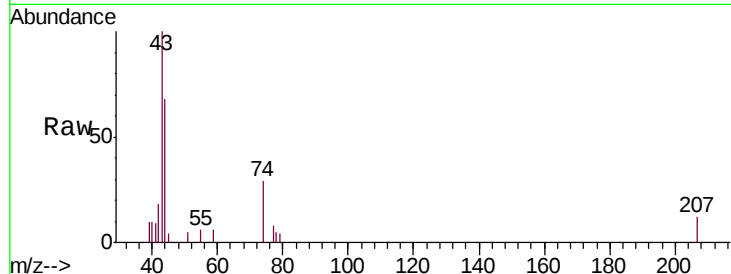




#15
Methyl Acetate
Concen: 0.362 ug/L
RT: 3.01 min Scan# 520
Delta R.T. 0.00 min
Lab File: VU035207.D
Acq: 17 Oct 2019 12:12

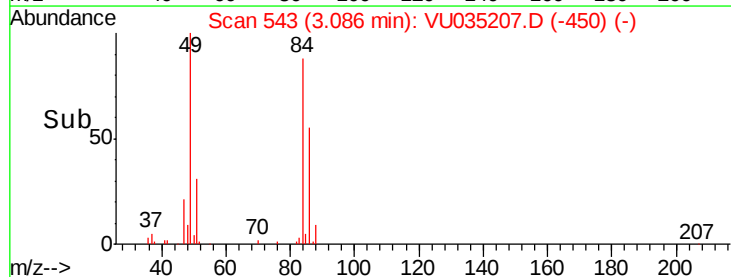
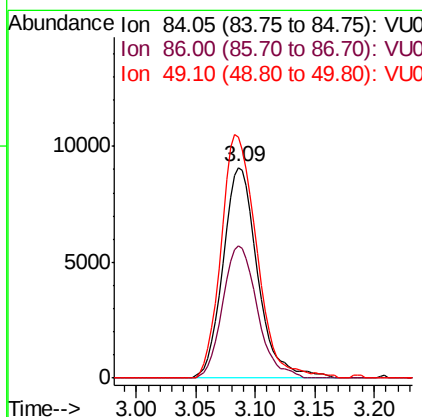
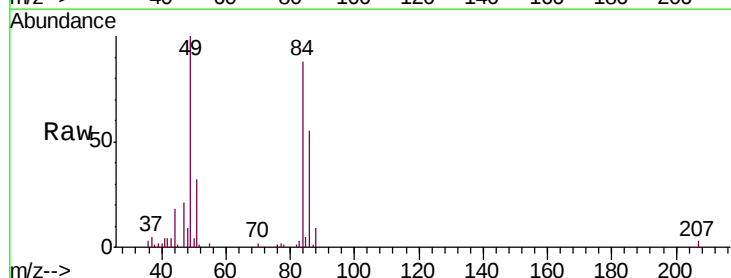
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

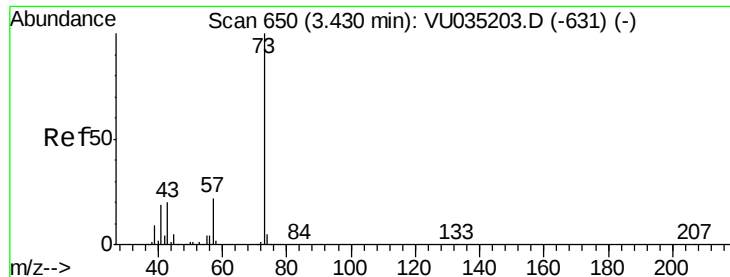
Tgt Ion: 43 Resp: 5149
Ion Ratio Lower Upper
43 100
74 33.6 20.3 30.5#



#16
Methylene chloride
Concen: 0.597 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU035207.D
Acq: 17 Oct 2019 12:12

Tgt Ion: 84 Resp: 18357
Ion Ratio Lower Upper
84 100
86 63.1 45.4 84.2
49 114.2 86.8 161.2



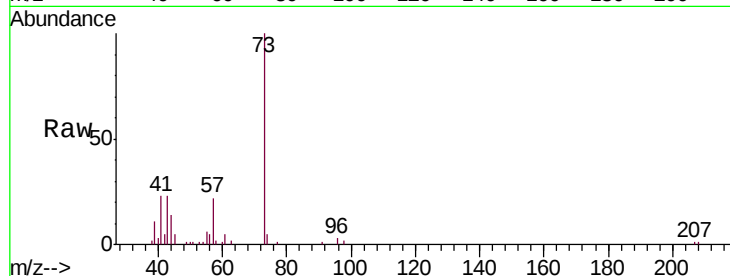


#17

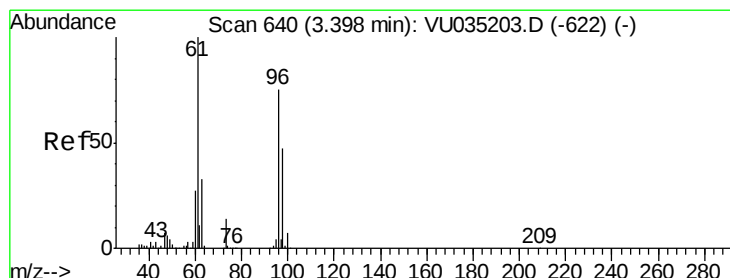
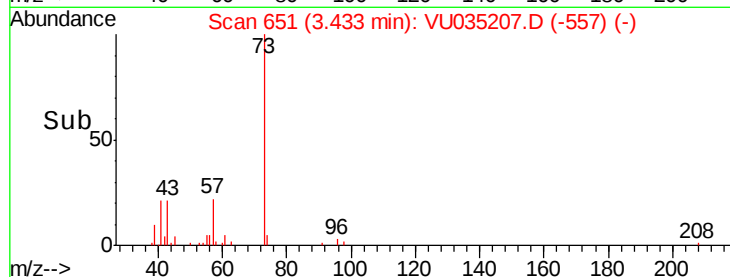
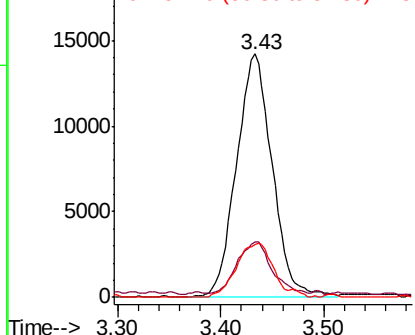
Methyl tert-butyl Ether
 Concen: 0.500 ug/L
 RT: 3.43 min Scan# 651
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.7	16.0	24.0
57	23.2	17.4	26.2



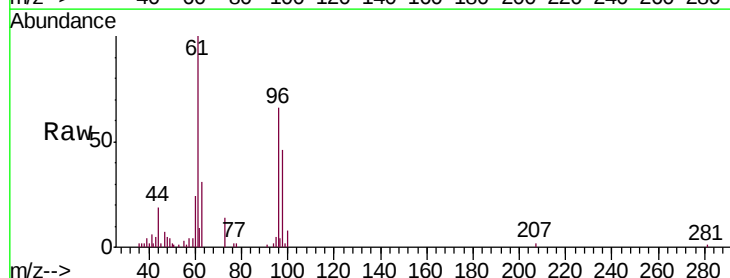
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



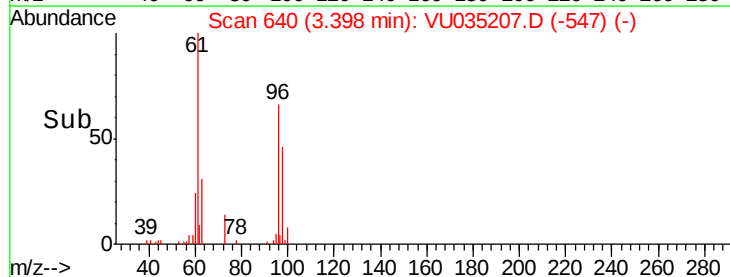
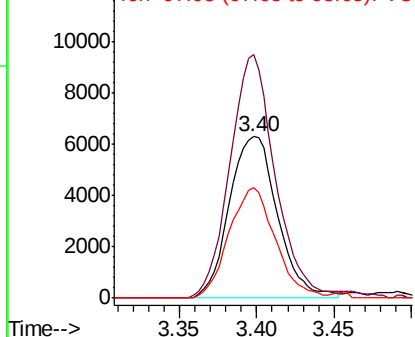
#18

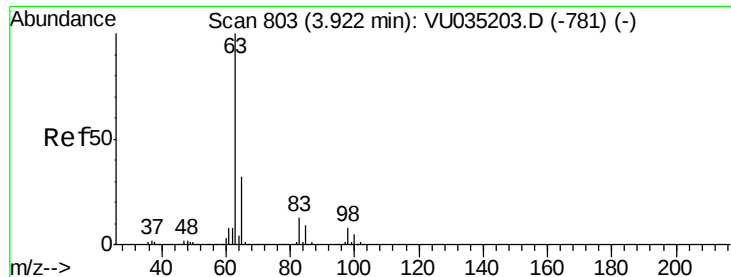
trans-1,2-Dichloroethene
 Concen: 0.507 ug/L
 RT: 3.40 min Scan# 640
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.8	93.0	172.6
98	68.8	43.7	81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

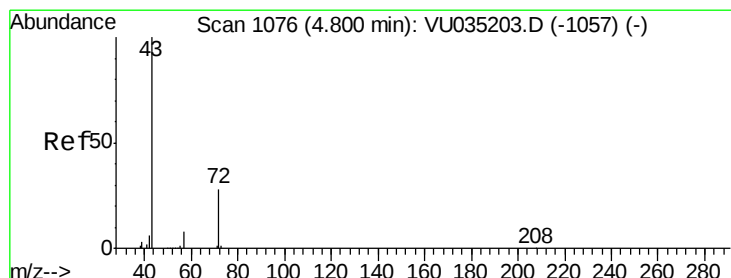
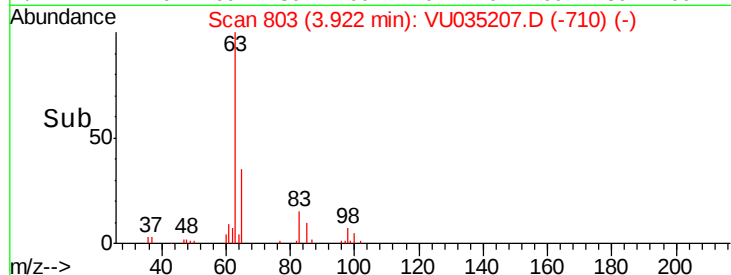
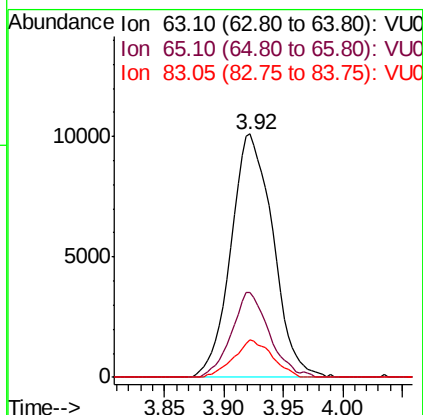
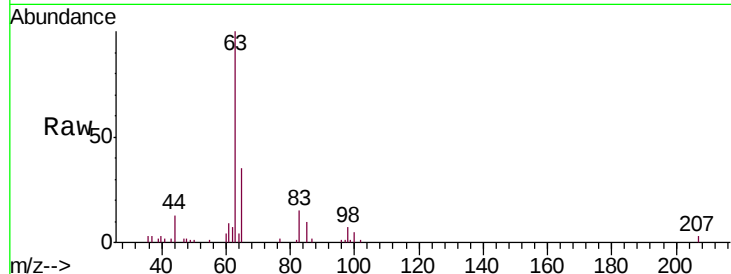




#19
 1,1-Dichloroethane
 Concen: 0.471 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

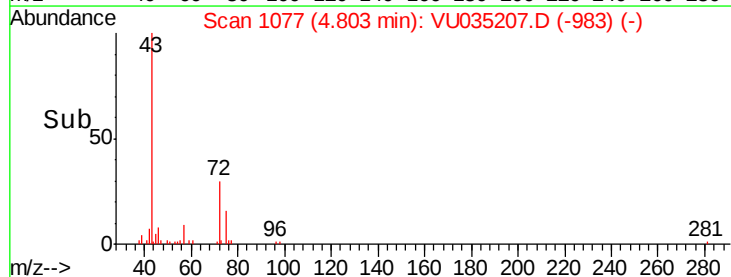
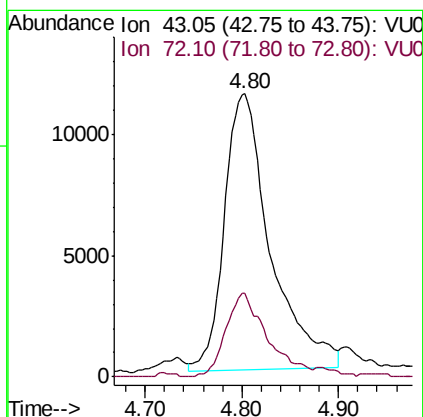
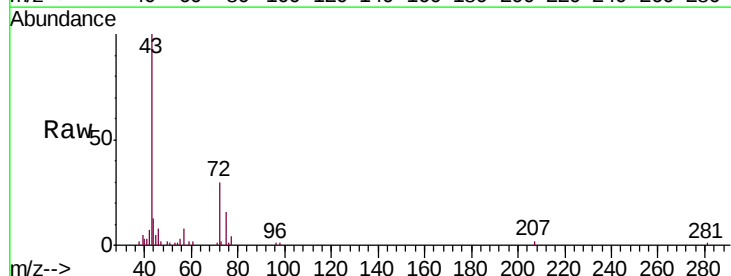
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

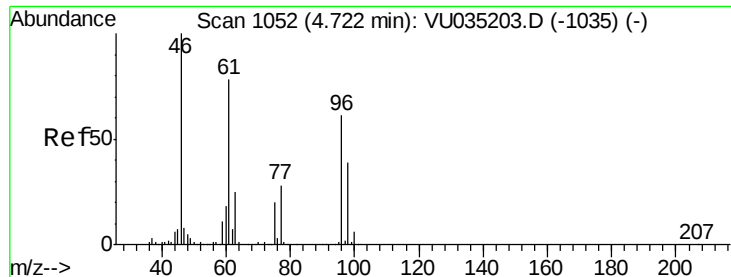
Tgt Ion: 63 Resp: 24690
 Ion Ratio Lower Upper
 63 100
 65 35.0 22.4 41.6
 83 15.3 9.3 17.3



#21
 2-Butanone
 Concen: 4.809 ug/L
 RT: 4.80 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Tgt Ion: 43 Resp: 37765
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.6 40.8

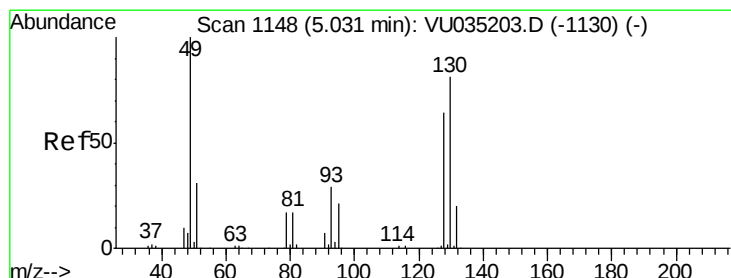
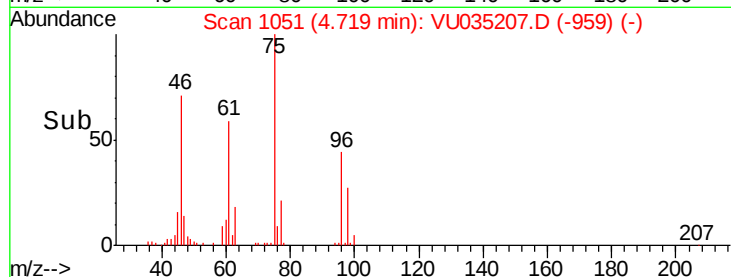
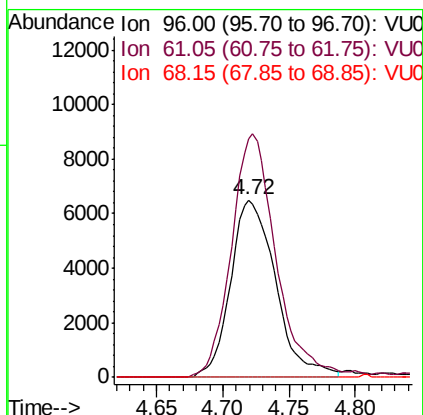
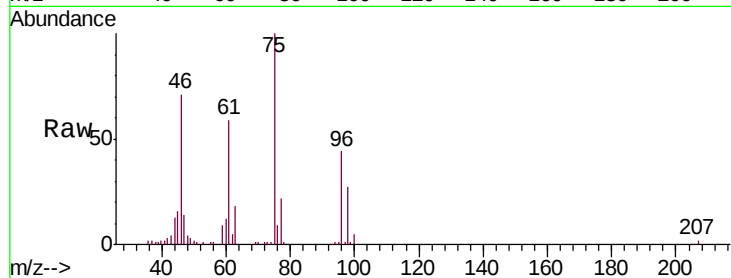




#22
 cis-1,2-Dichloroethene
 Concen: 0.511 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

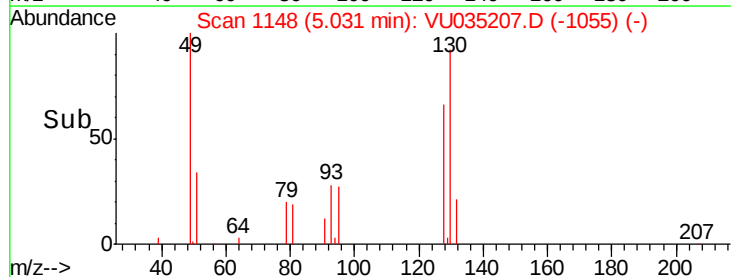
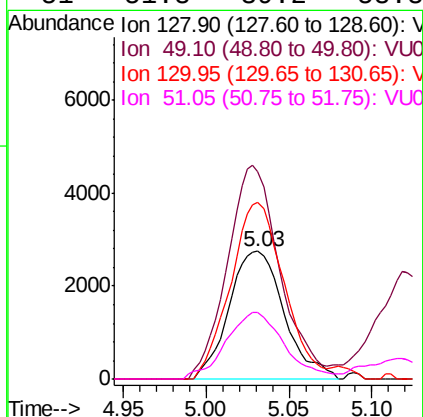
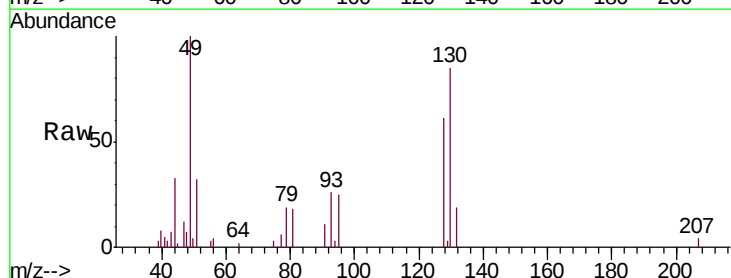
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

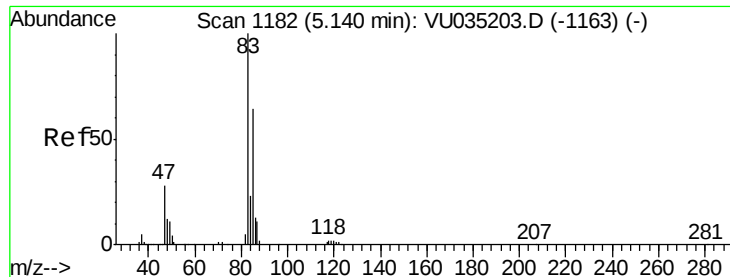
Tgt Ion: 96 Resp: 15380
 Ion Ratio Lower Upper
 96 100
 61 134.3 89.7 166.5
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 0.506 ug/L
 RT: 5.03 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Tgt Ion: 128 Resp: 6350
 Ion Ratio Lower Upper
 128 100
 49 162.7 109.3 203.1
 130 138.6 88.7 164.7
 51 51.8 39.2 58.8





#25

Chloroform

Concen: 0.522 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

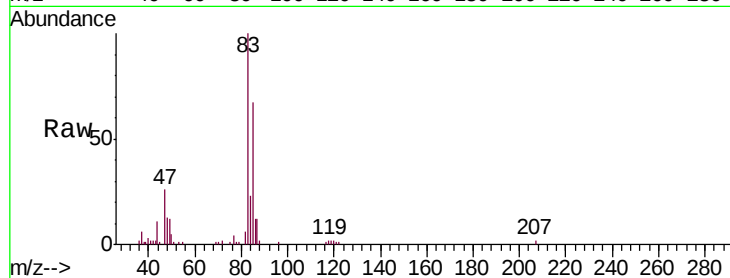
VSTD0.506

Tgt Ion: 83 Resp: 30645

Ion Ratio Lower Upper

83 100

85 66.7 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035207.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU035207.D (-1163) (-)

5.14

15000

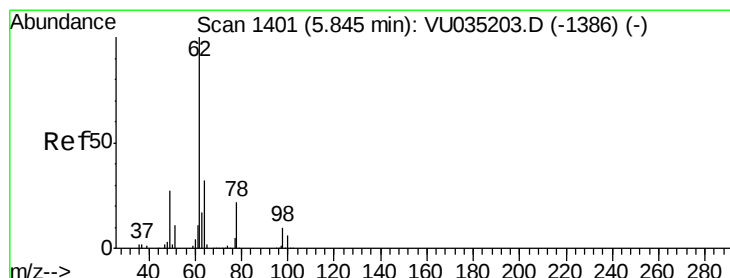
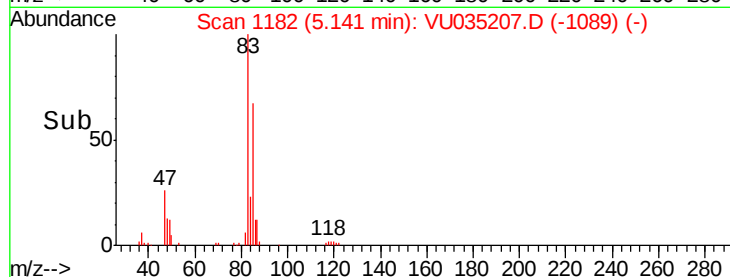
10000

5000

0

Time-->

5.05 5.10 5.15 5.20



#27

1,2-Dichloroethane

Concen: 0.498 ug/L

RT: 5.85 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VU035207.D

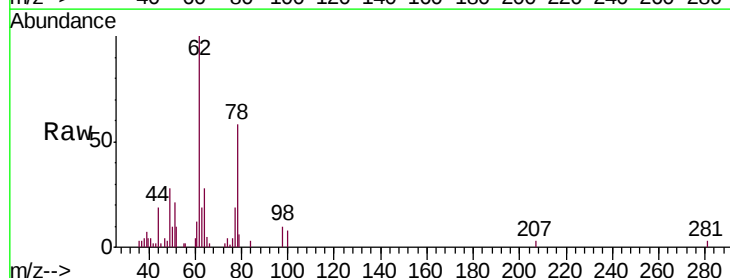
Acq: 17 Oct 2019 12:12

Tgt Ion: 62 Resp: 17287

Ion Ratio Lower Upper

62 100

98 9.5 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VU035207.D (-1386) (-)

Ion 98.05 (97.75 to 98.75): VU035207.D (-1386) (-)

5.85

8000

6000

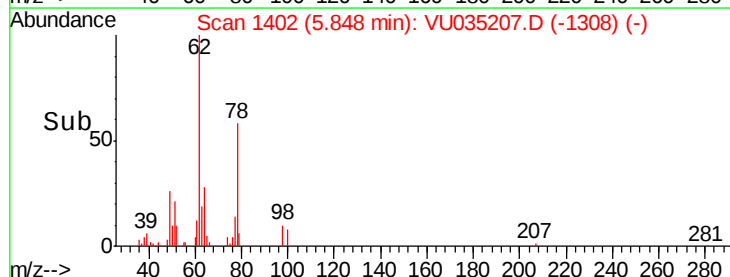
4000

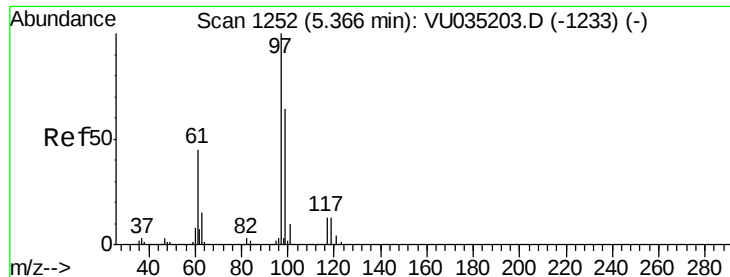
2000

0

Time-->

5.75 5.80 5.85 5.90 5.95

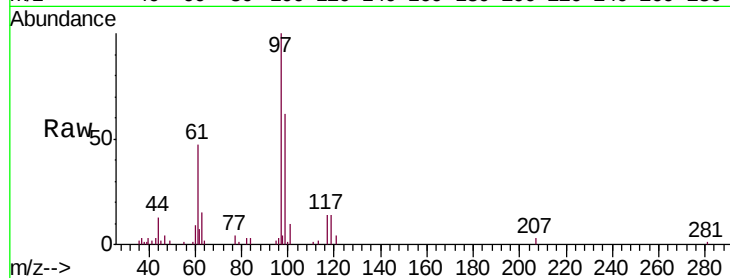




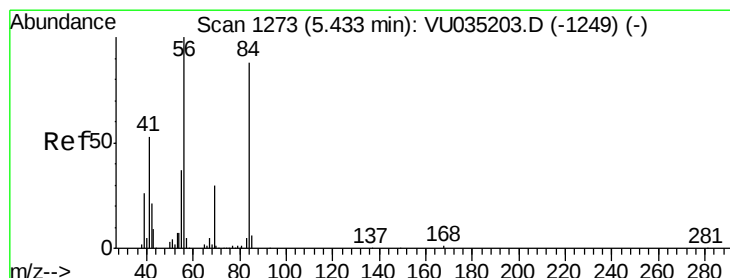
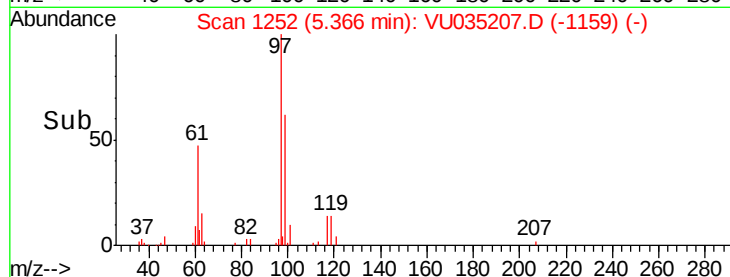
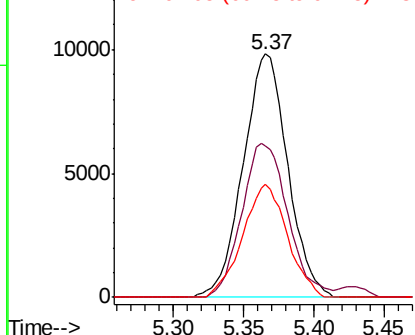
#29
 1,1,1-Trichloroethane
 Concen: 0.517 ug/L
 RT: 5.37 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion: 97 Resp: 21753
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.6 79.0
 61 46.6 37.0 55.4

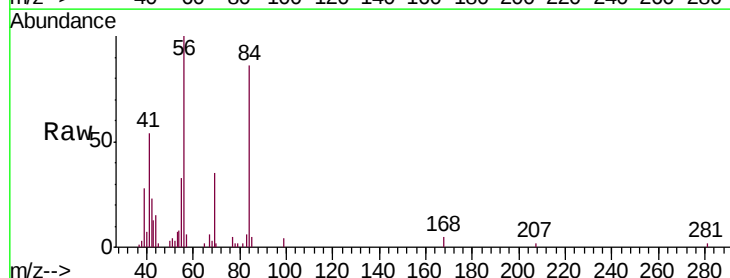


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

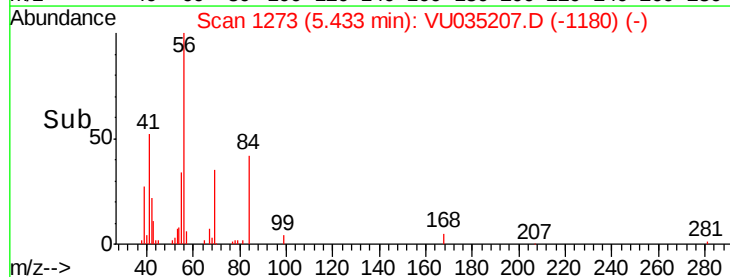
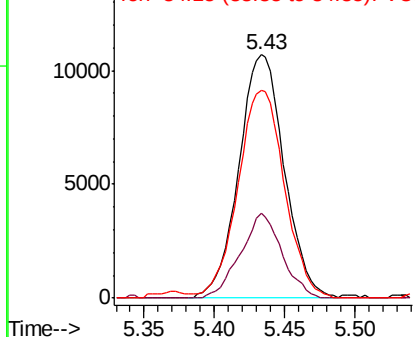


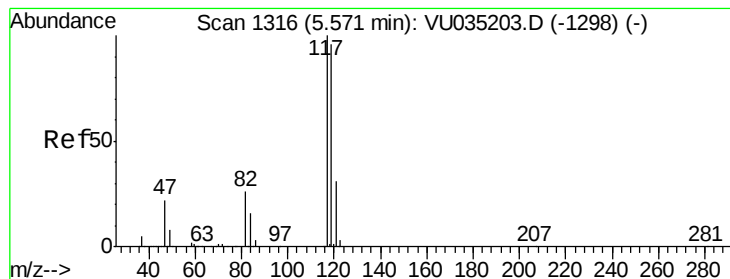
#30
 Cyclohexane
 Concen: 0.524 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Tgt Ion: 56 Resp: 24100
 Ion Ratio Lower Upper
 56 100
 69 31.8 24.6 36.8
 84 87.7 71.5 107.3



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





#31

Carbon tetrachloride

Concen: 0.525 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

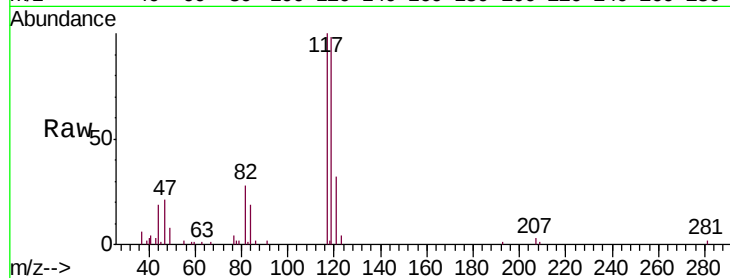
VSTD0.506

Tgt Ion:117 Resp: 19211

Ion Ratio Lower Upper

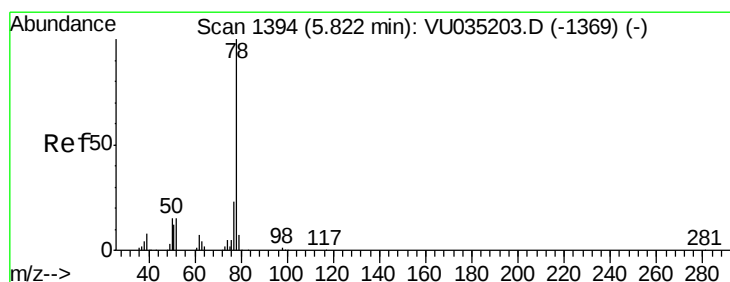
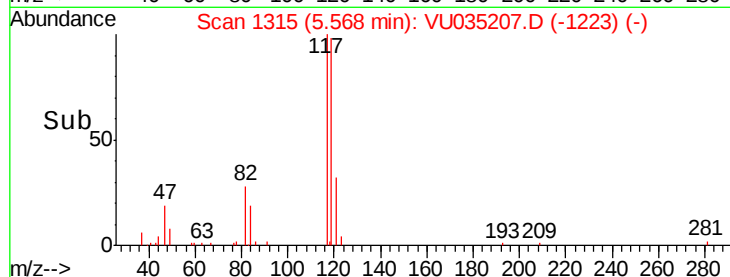
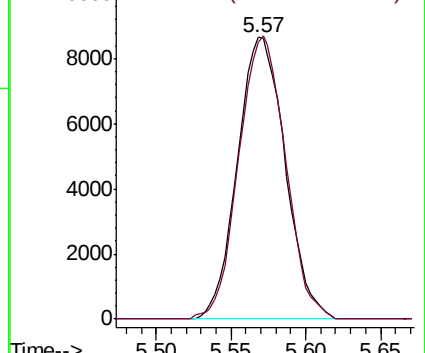
117 100

119 98.3 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.491 ug/L

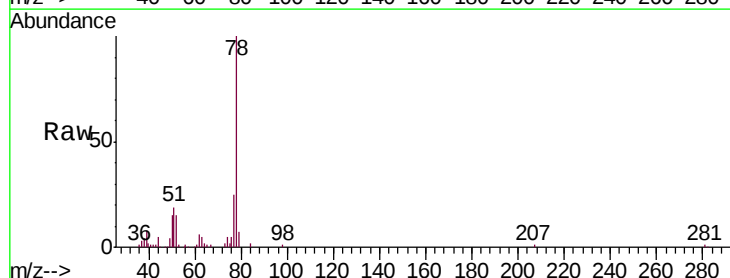
RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

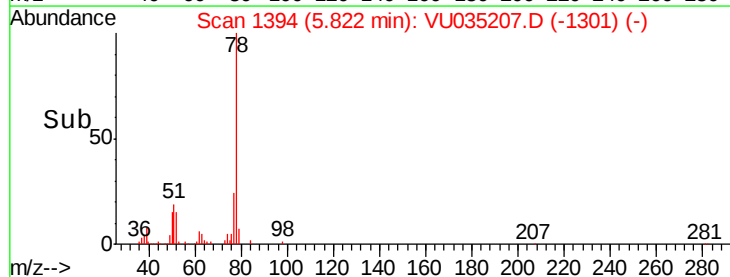
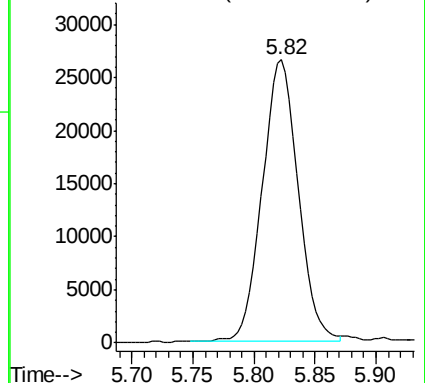
Lab File: VU035207.D

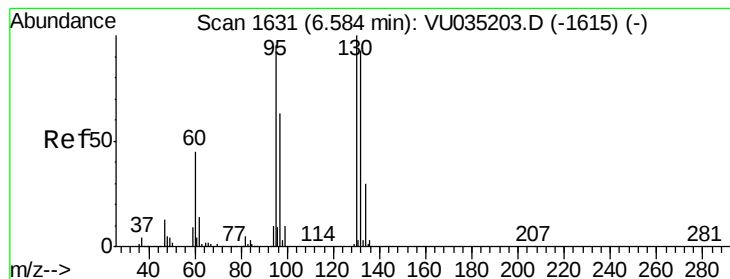
Acq: 17 Oct 2019 12:12

Tgt Ion: 78 Resp: 54672



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.523 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

Tgt Ion: 95 Resp: 15091

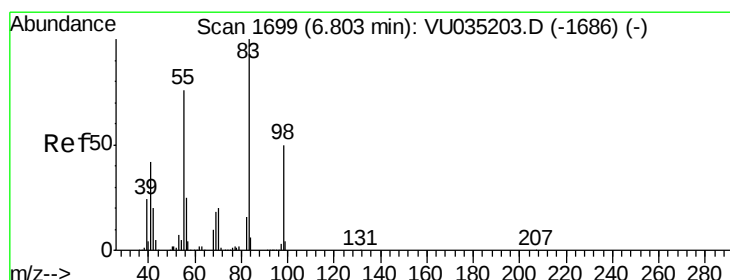
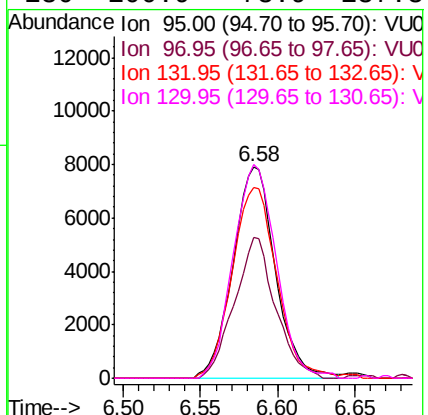
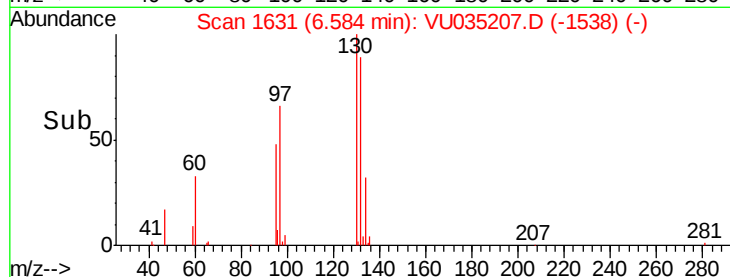
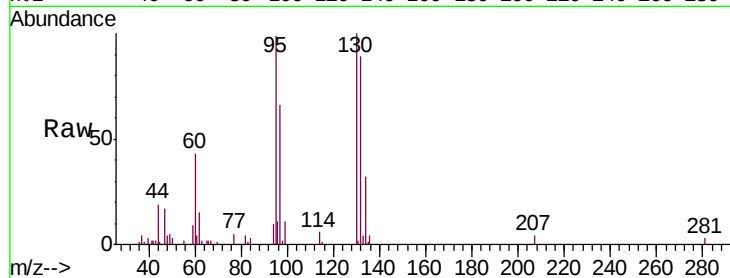
Ion Ratio Lower Upper

95 100

97 66.5 46.6 86.6

132 90.1 68.7 127.7

130 100.9 73.9 137.3



#35

Methylcyclohexane

Concen: 0.527 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

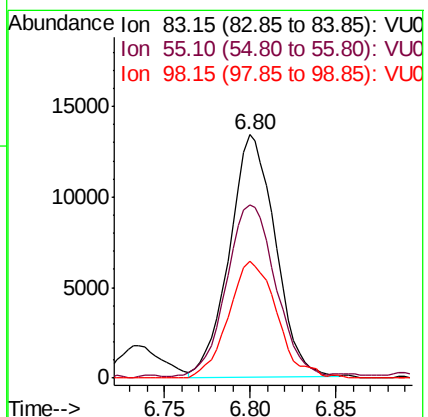
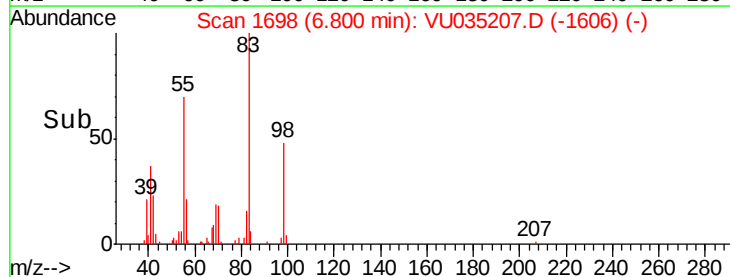
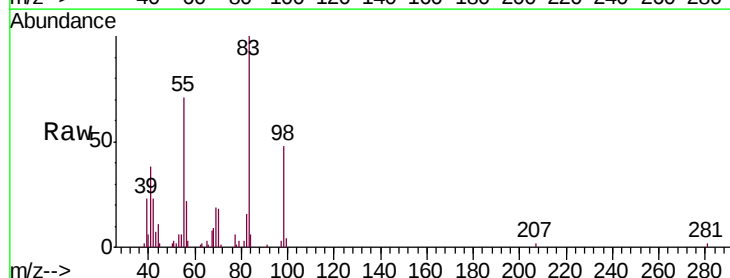
Tgt Ion: 83 Resp: 24823

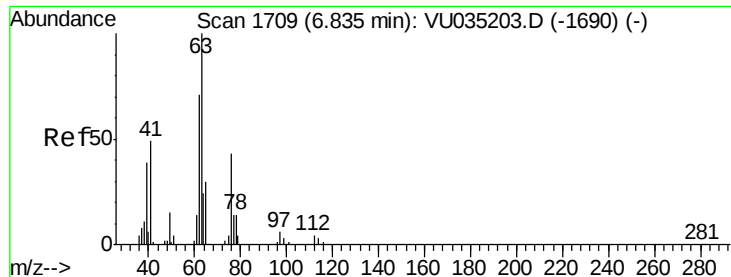
Ion Ratio Lower Upper

83 100

55 75.5 60.4 90.6

98 50.8 39.5 59.3

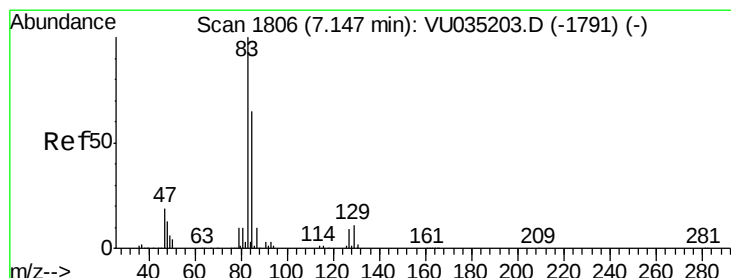
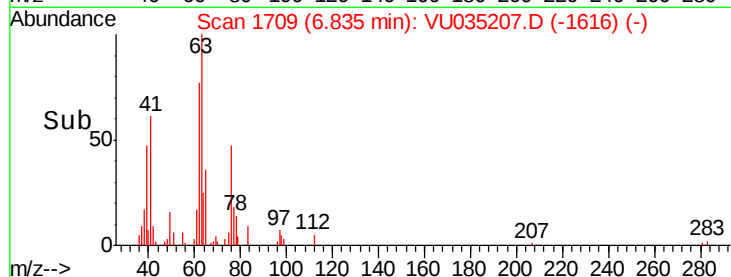
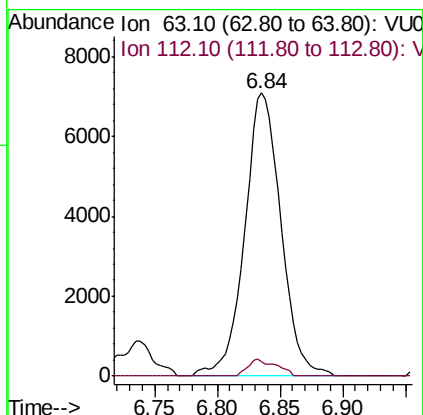
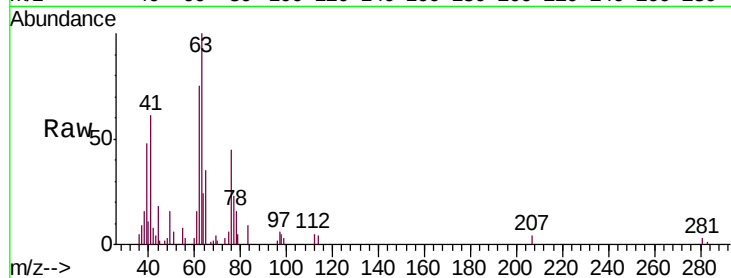




#37
 1,2-Dichloropropane
 Concen: 0.482 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

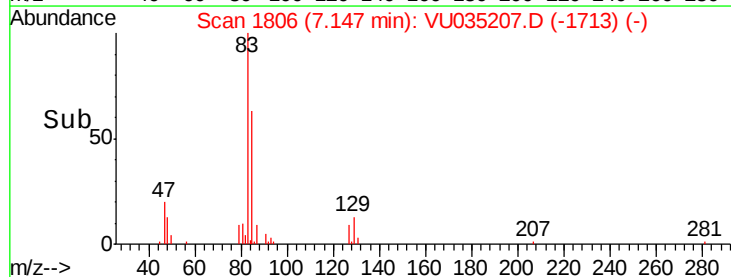
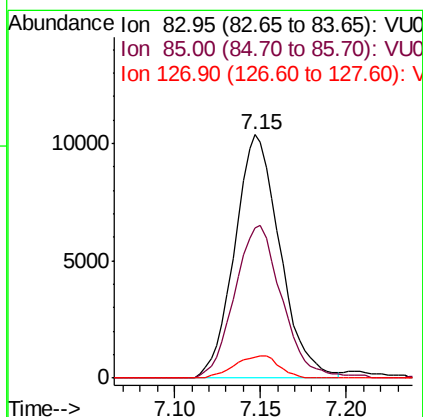
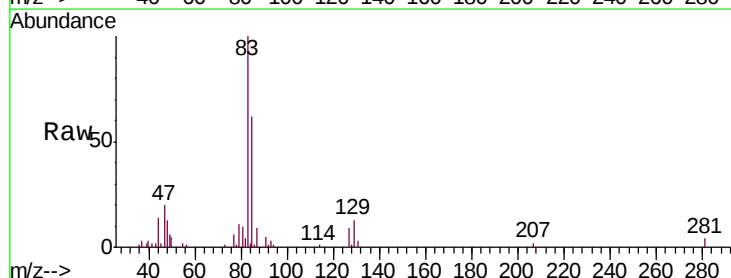
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

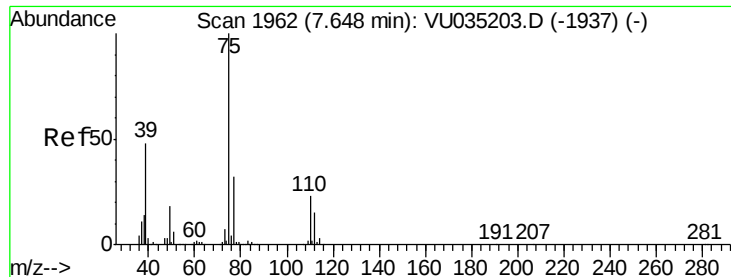
Tgt Ion: 63 Resp: 14310
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 0.530 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Tgt Ion: 83 Resp: 18971
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.6 84.8
 127 8.7 6.9 10.3

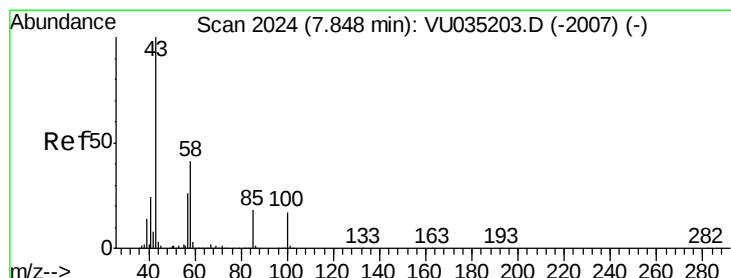
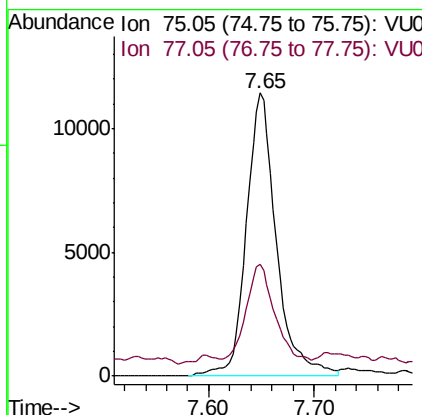
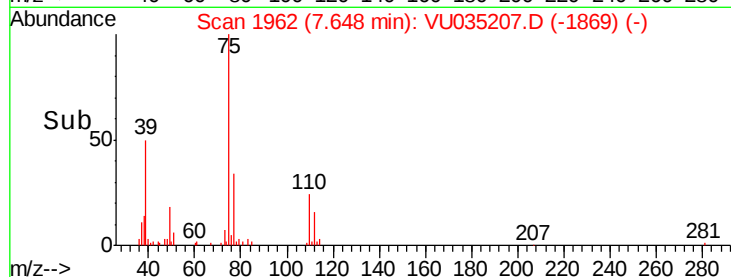
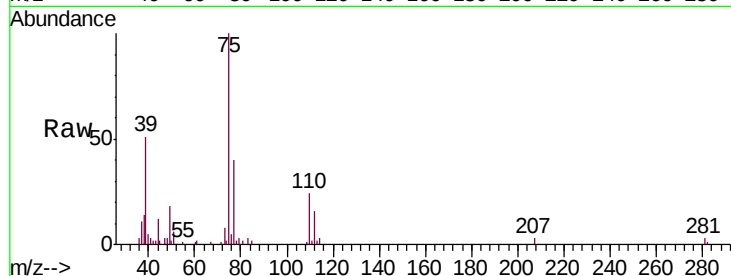




#39
 cis-1,3-Dichloropropene
 Concen: 0.540 ug/L
 RT: 7.65 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

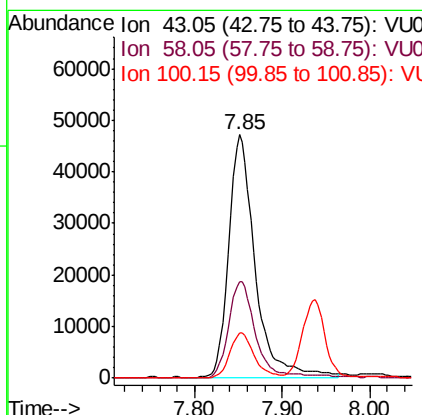
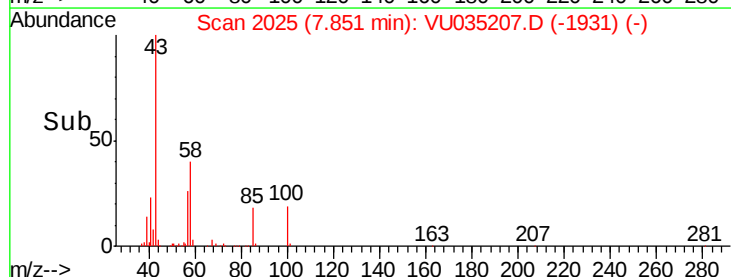
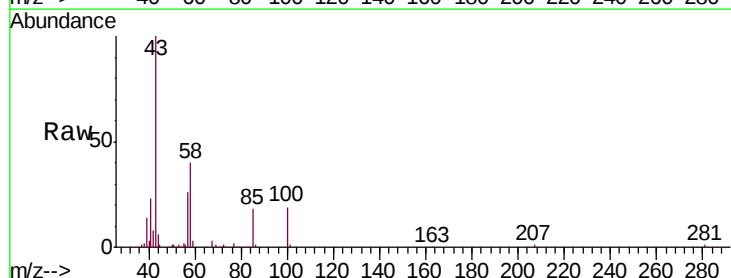
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

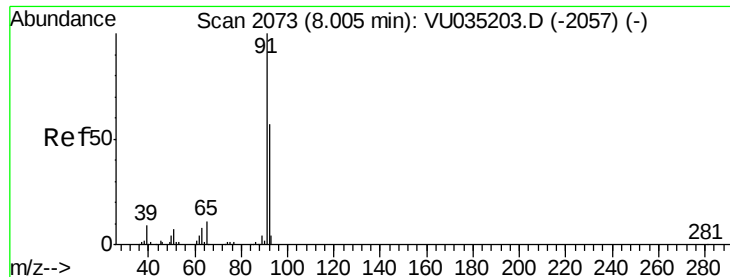
Tgt Ion: 75 Resp: 22651
 Ion Ratio Lower Upper
 75 100
 77 39.6 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 5.178 ug/L
 RT: 7.85 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Tgt Ion: 43 Resp: 98329
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.3 48.5
 100 17.4 13.4 20.2





#42

Toluene

Concen: 0.521 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

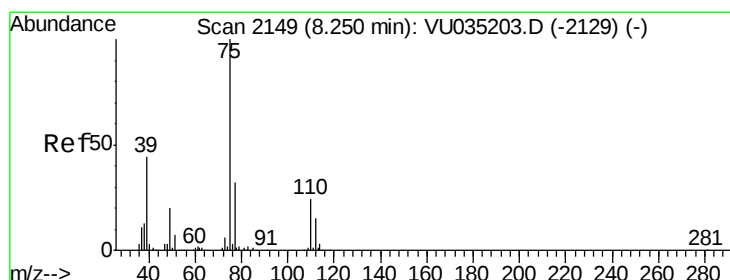
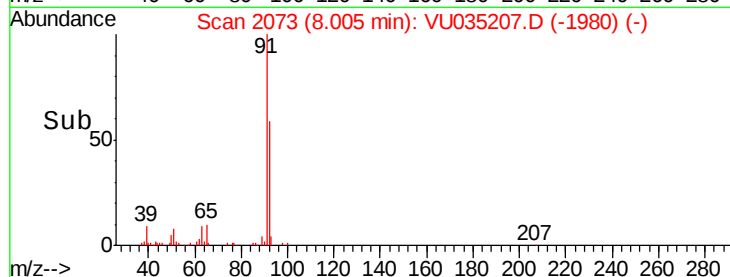
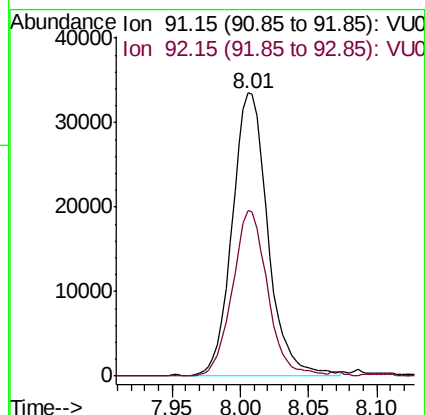
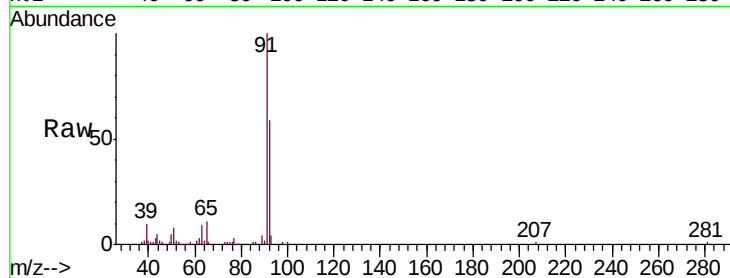
VSTD0.506

Tgt Ion: 91 Resp: 60906

Ion Ratio Lower Upper

91 100

92 58.5 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 0.573 ug/L

RT: 8.25 min Scan# 2150

Delta R.T. 0.00 min

Lab File: VU035207.D

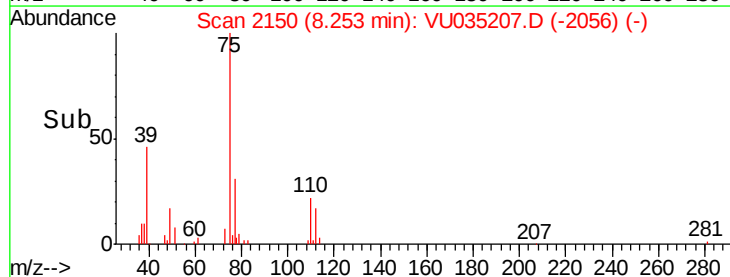
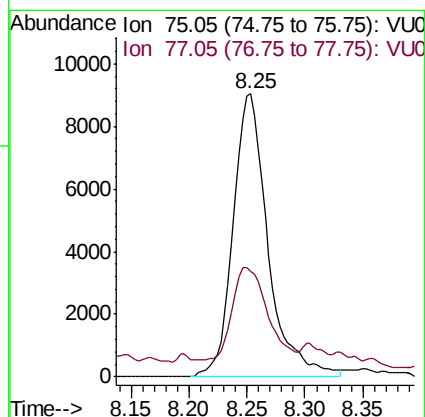
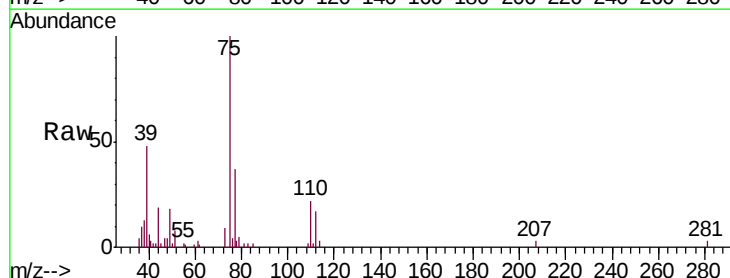
Acq: 17 Oct 2019 12:12

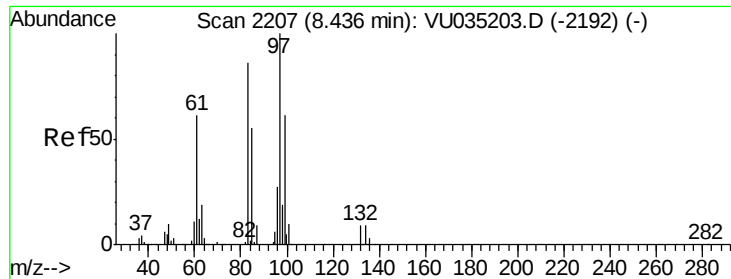
Tgt Ion: 75 Resp: 18768

Ion Ratio Lower Upper

75 100

77 37.3 23.0 42.8

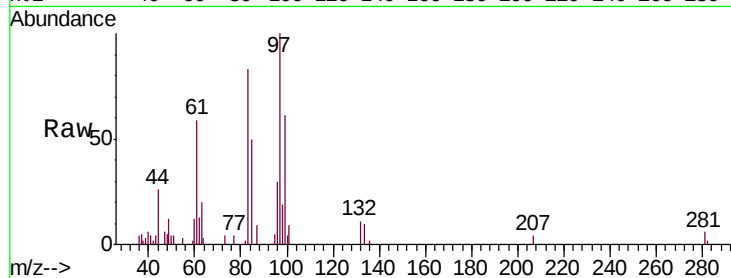




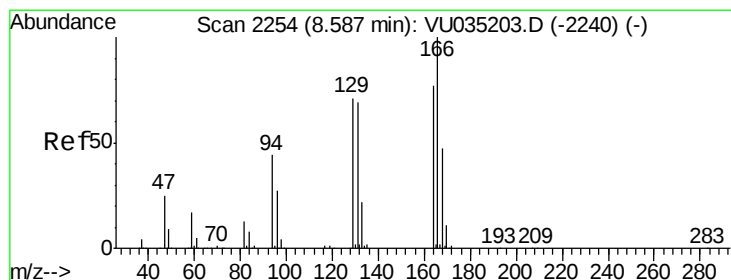
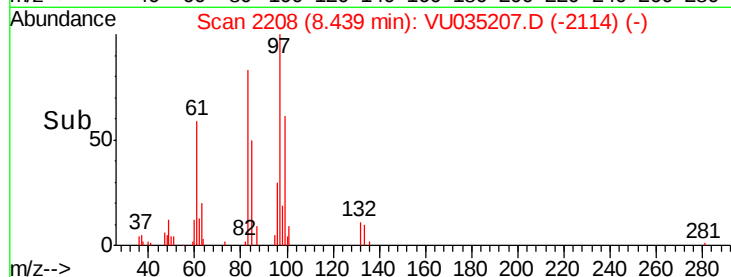
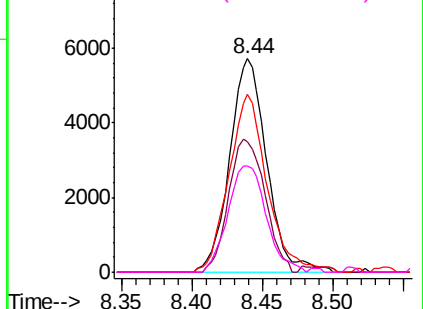
#45
 1,1,2-Trichloroethane
 Concen: 0.522 ug/L
 RT: 8.44 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion:	97	Resp:	10526
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.9	79.7
83	83.4	60.4	112.2
85	49.9	38.4	71.2

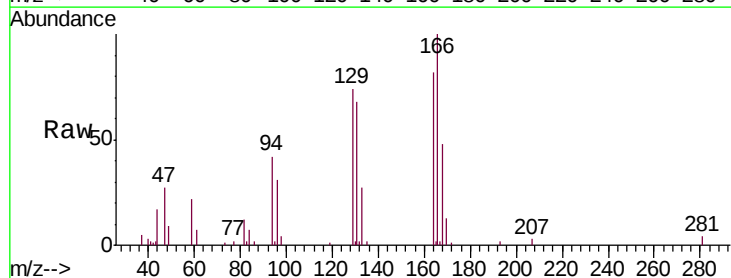


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

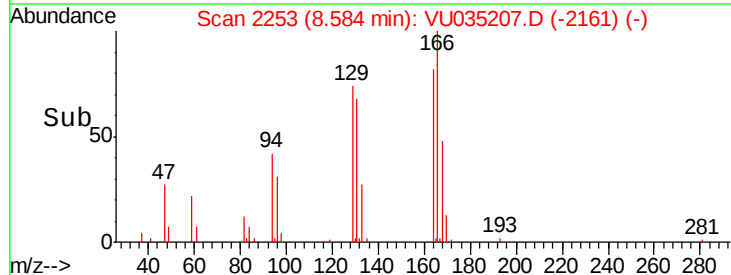
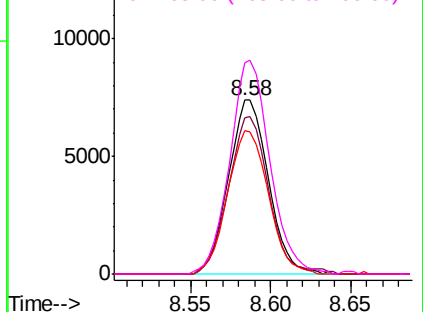


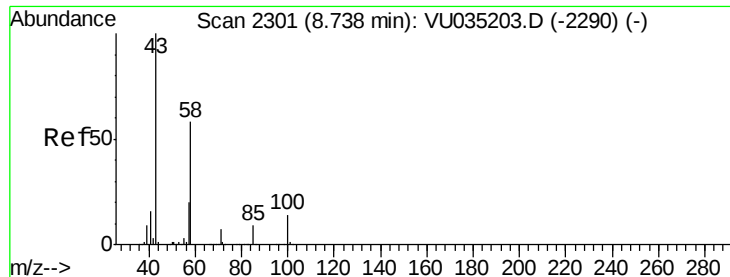
#47
 Tetrachloroethene
 Concen: 0.534 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Tgt Ion:	164	Resp:	12573
Ion	Ratio	Lower	Upper
164	100		
129	89.6	65.2	121.0
131	82.3	62.9	116.9
166	121.3	91.5	169.9



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

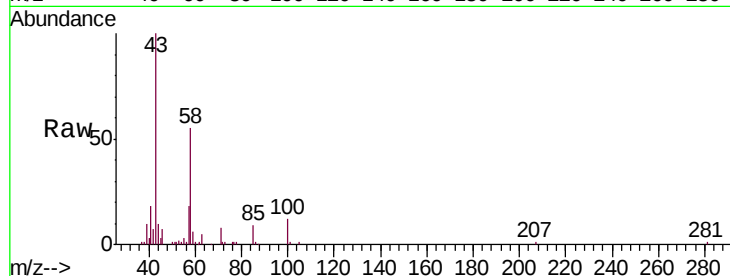




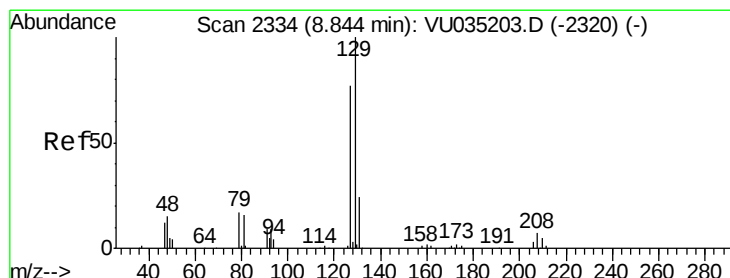
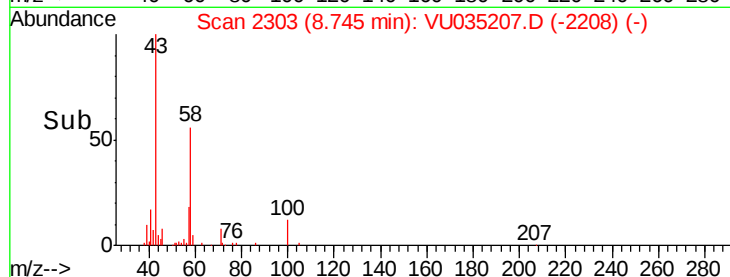
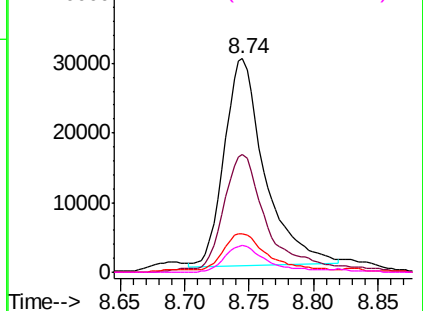
#48
2-Hexanone
Concen: 4.963 ug/L
RT: 8.74 min Scan# 2303
Delta R.T. 0.01 min
Lab File: VU035207.D
Acq: 17 Oct 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion: 43 Resp: 64868
Ion Ratio Lower Upper
43 100
58 63.8 45.1 67.7
57 21.4 16.0 24.0
100 13.7 10.4 15.6

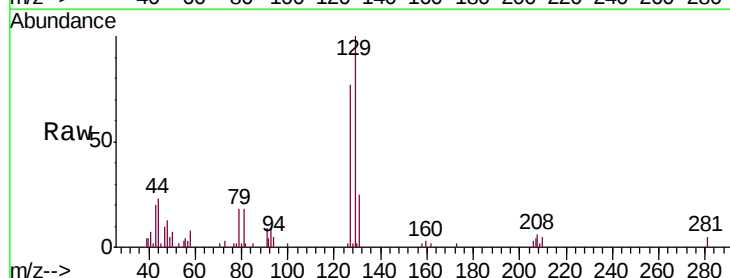


Abundance Ion 43.05 (42.75 to 43.75): VU035207.D (-2290) (-)
Ion 58.05 (57.75 to 58.75): VU035207.D (-2290) (-)
Ion 57.20 (56.90 to 57.90): VU035207.D (-2290) (-)
Ion 100.15 (99.85 to 100.85): VU035207.D (-2290) (-)

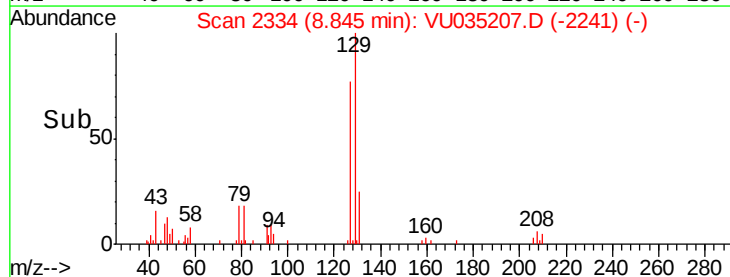
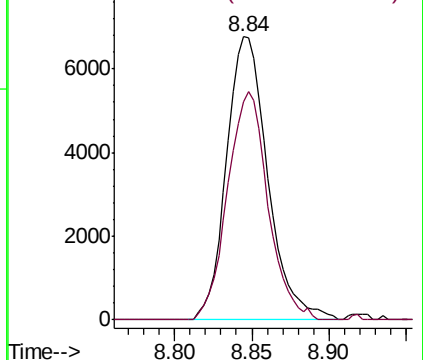


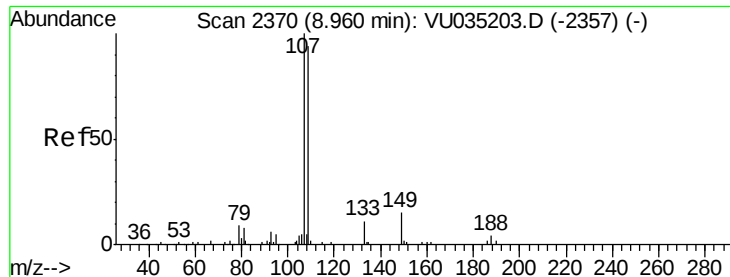
#49
Dibromochloromethane
Concen: 0.531 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035207.D
Acq: 17 Oct 2019 12:12

Tgt Ion: 129 Resp: 12552
Ion Ratio Lower Upper
129 100
127 77.2 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): VU035207.D (-2320) (-)
Ion 126.90 (126.60 to 127.60): VU035207.D (-2320) (-)

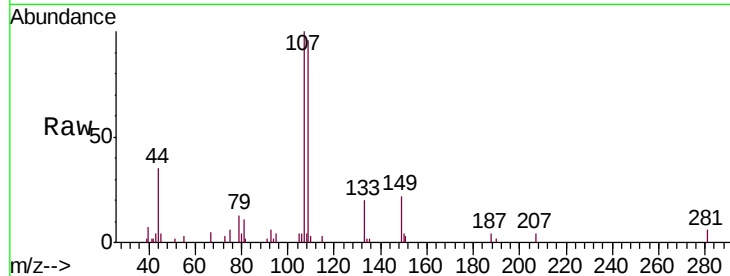




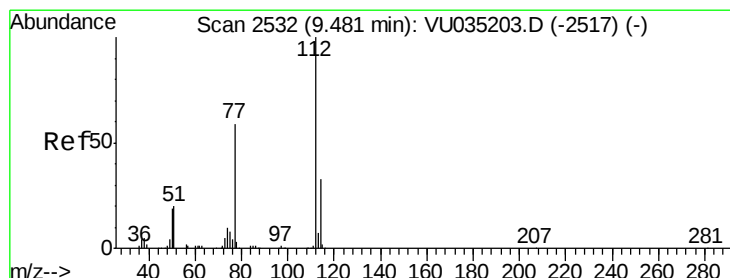
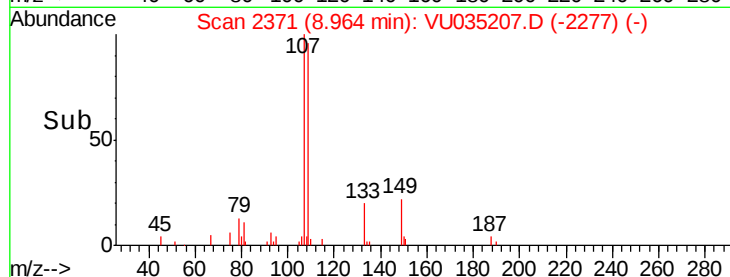
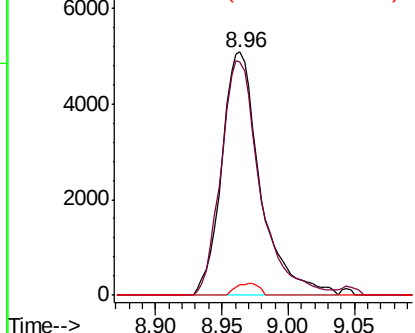
#50
1,2-Dibromoethane
Concen: 0.530 ug/L
RT: 8.96 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VU035207.D
Acq: 17 Oct 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion:107 Resp: 10286
Ion Ratio Lower Upper
107 100
109 96.1 66.1 122.8
188 4.2 3.2 4.8

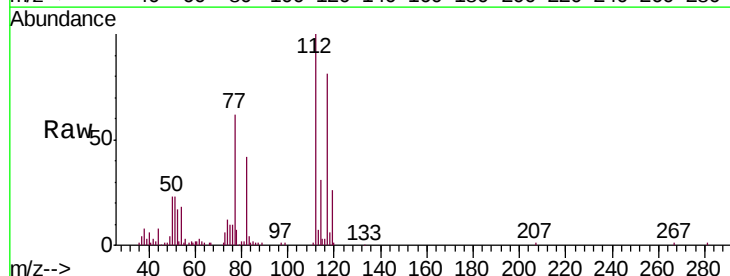


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

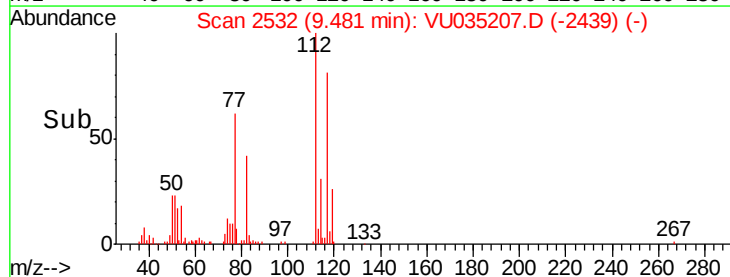
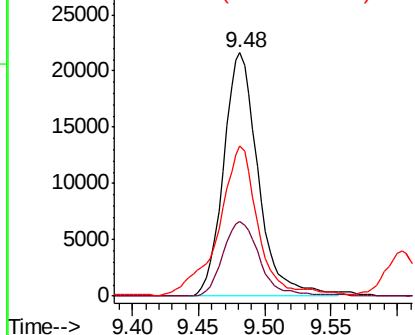


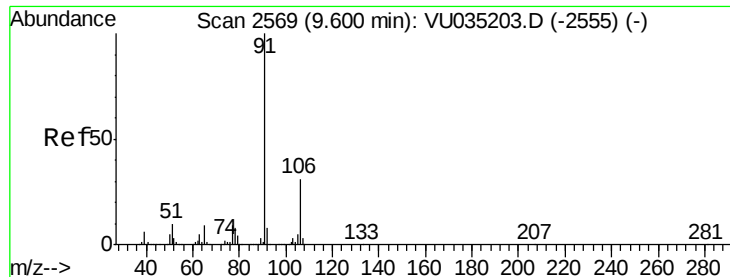
#51
Chlorobenzene
Concen: 0.516 ug/L
RT: 9.48 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035207.D
Acq: 17 Oct 2019 12:12

Tgt Ion:112 Resp: 39230
Ion Ratio Lower Upper
112 100
114 30.5 23.0 42.8
77 61.9 47.5 71.3



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





#52

Ethylbenzene

Concen: 0.534 ug/L

RT: 9.60 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

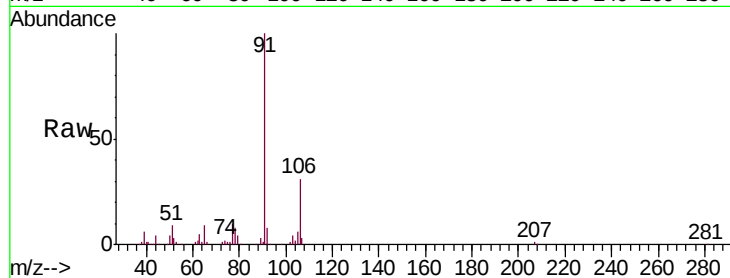
VSTD0.506

Tgt Ion: 91 Resp: 69529

Ion Ratio Lower Upper

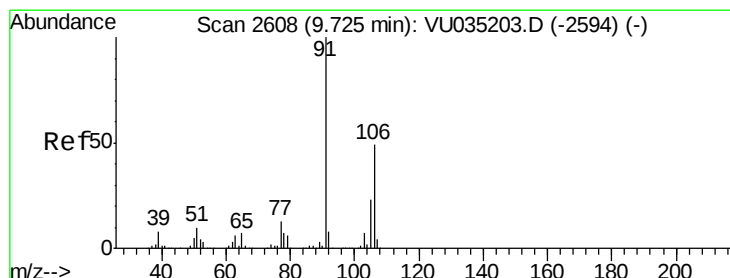
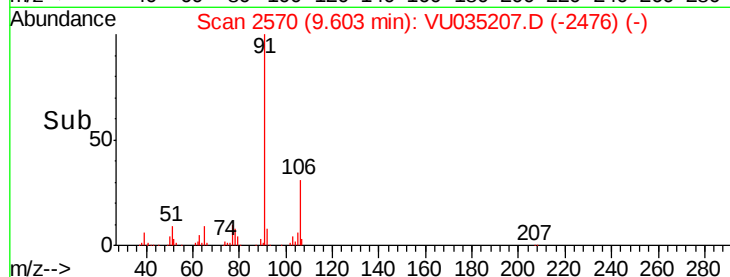
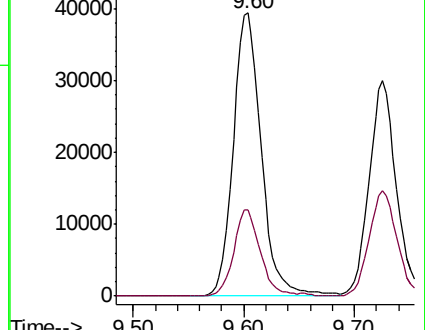
91 100

106 30.6 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU035203.D (-2555) (-)

Ion 106.15 (105.85 to 106.85): VU035203.D (-2555) (-)



#53

m,p-Xylene

Concen: 0.540 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035207.D

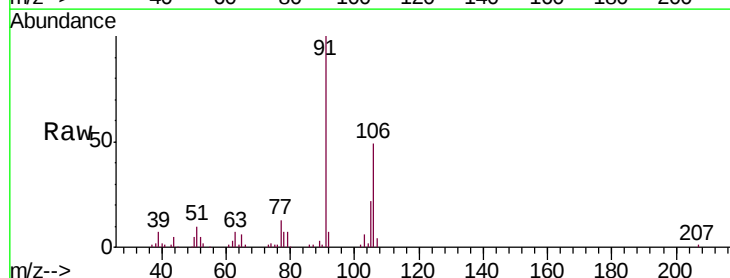
Acq: 17 Oct 2019 12:12

Tgt Ion: 106 Resp: 26061

Ion Ratio Lower Upper

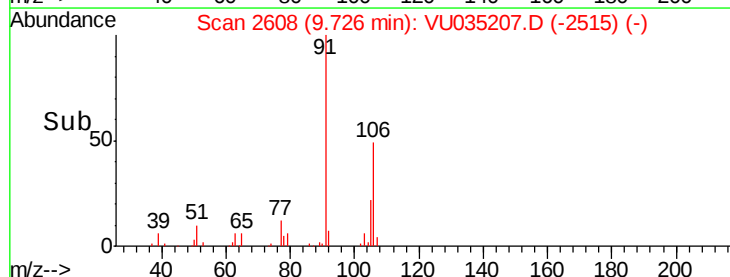
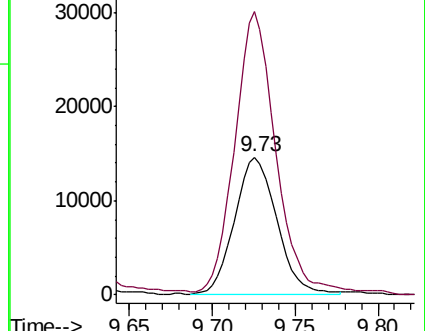
106 100

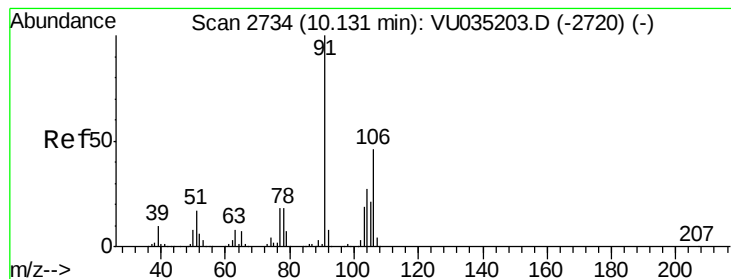
91 205.3 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): VU035203.D (-2594) (-)

Ion 91.15 (90.85 to 91.85): VU035203.D (-2594) (-)





#54

o-Xylene

Concen: 0.535 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

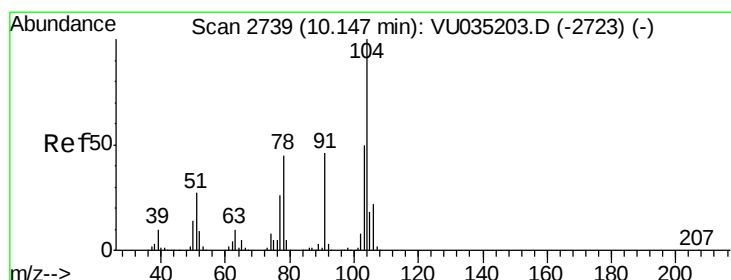
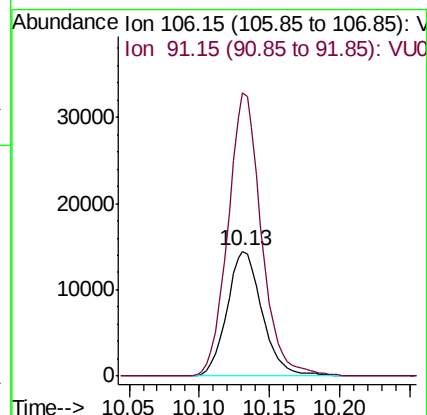
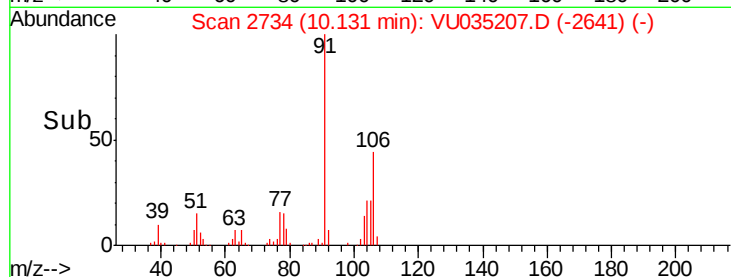
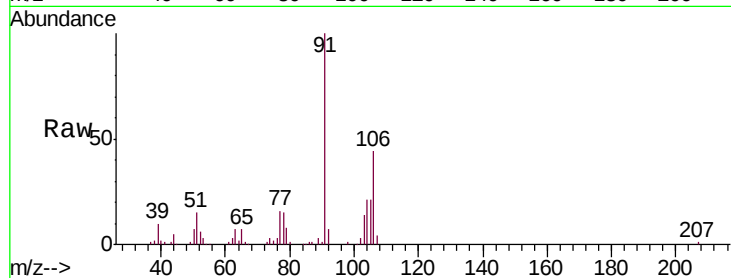
VSTD0.506

Tgt Ion:106 Resp: 25224

Ion Ratio Lower Upper

106 100

91 226.6 153.2 284.6



#55

Styrene

Concen: 0.502 ug/L

RT: 10.15 min Scan# 2739

Delta R.T. 0.00 min

Lab File: VU035207.D

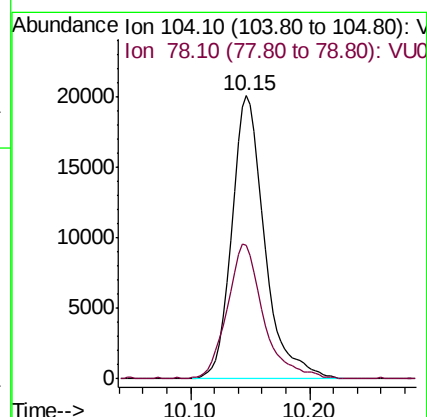
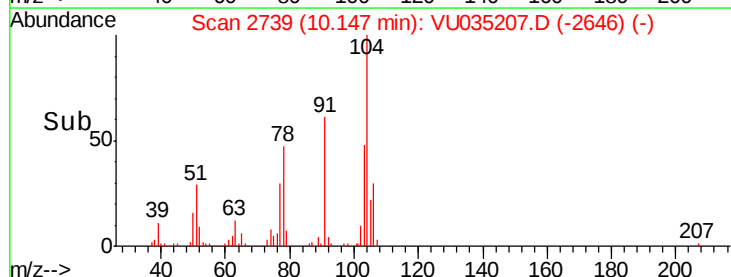
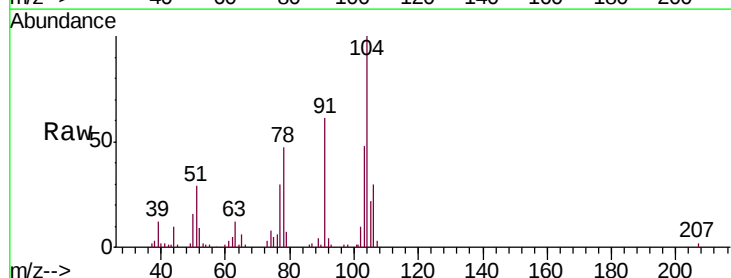
Acq: 17 Oct 2019 12:12

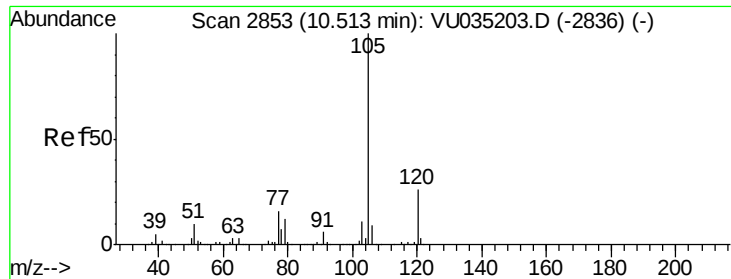
Tgt Ion:104 Resp: 38368

Ion Ratio Lower Upper

104 100

78 47.3 31.3 58.1





#56

Isopropylbenzene

Concen: 0.538 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

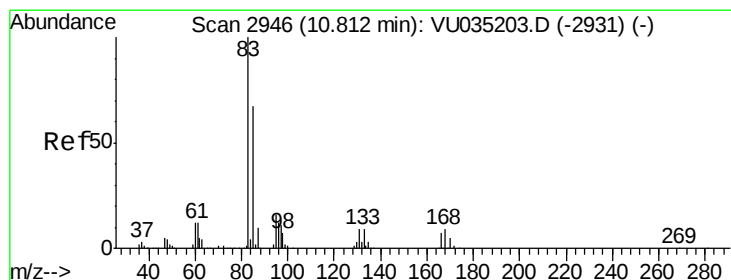
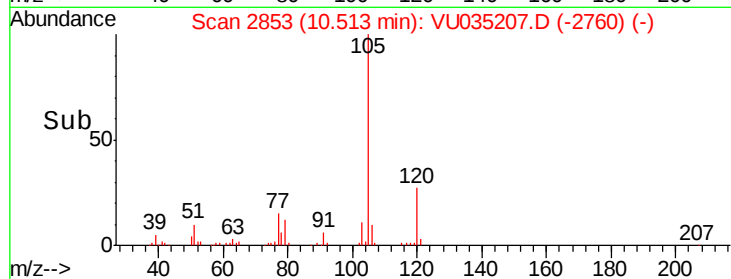
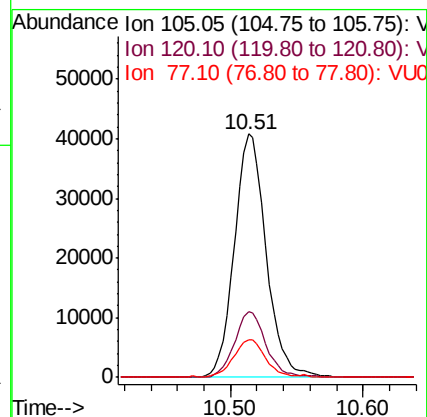
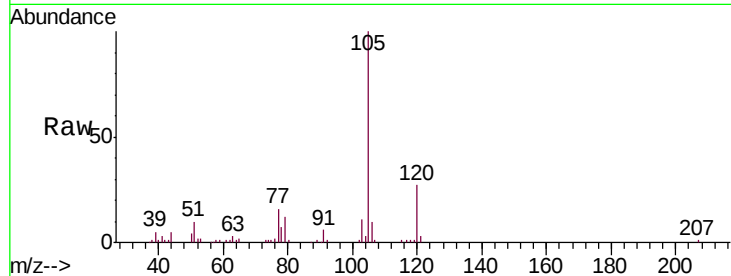
Tgt Ion:105 Resp: 67869

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

77 15.1 12.6 19.0



#58

1,1,2,2-Tetrachloroethane

Concen: 0.488 ug/L

RT: 10.82 min Scan# 2947

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

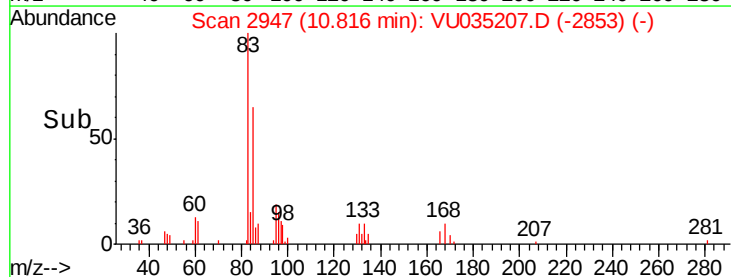
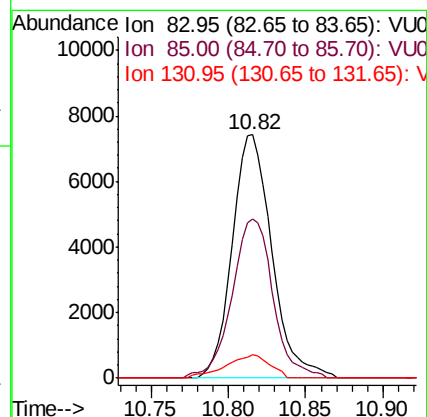
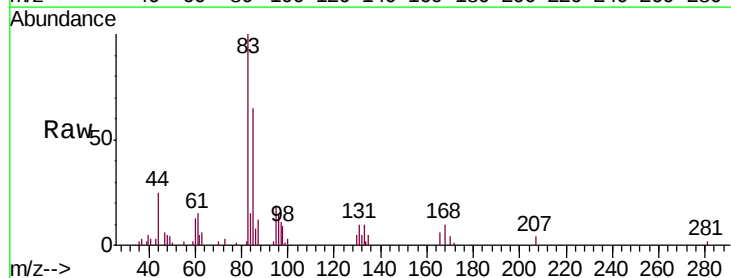
Tgt Ion: 83 Resp: 13235

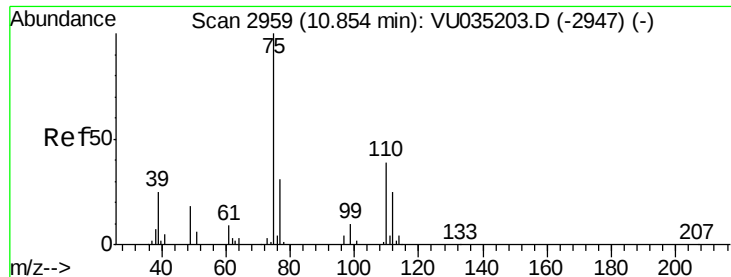
Ion Ratio Lower Upper

83 100

85 65.2 46.8 86.8

131 9.6 7.5 11.3

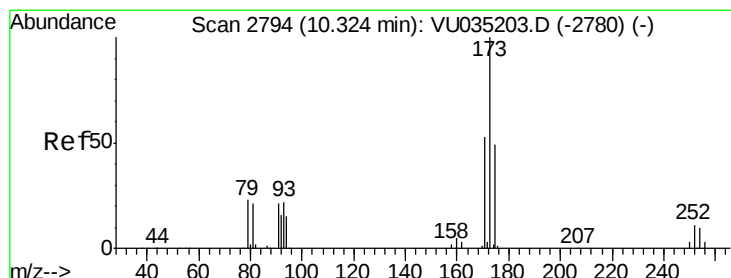
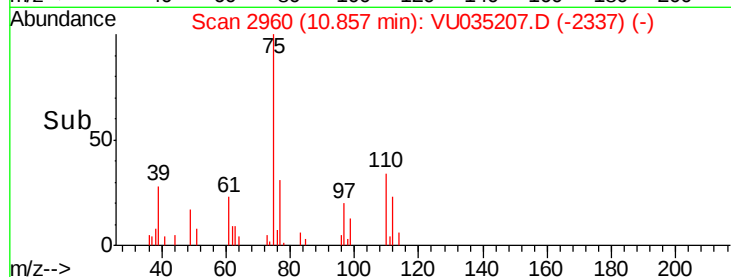
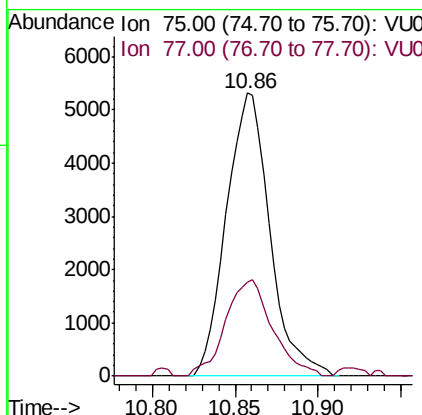
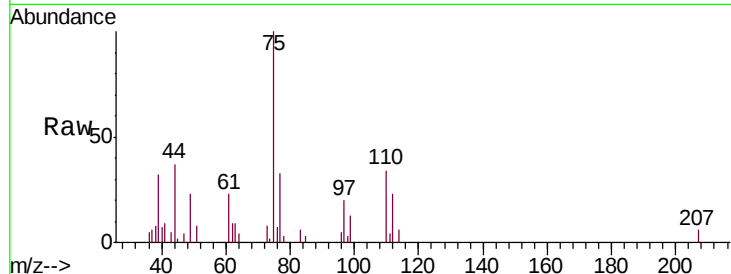




#59
 1,2,3-Trichloropropane
 Concen: 0.496 ug/L
 RT: 10.86 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

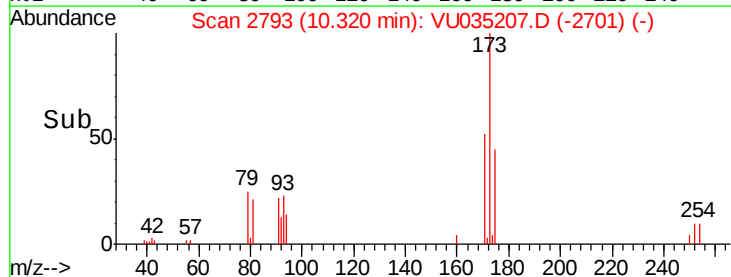
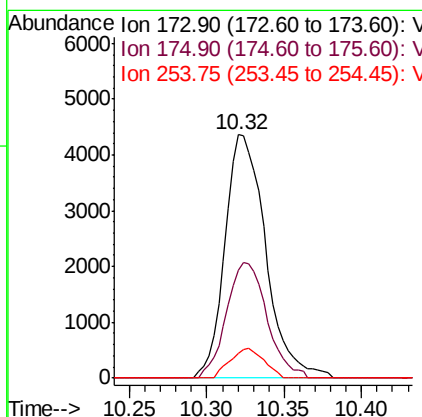
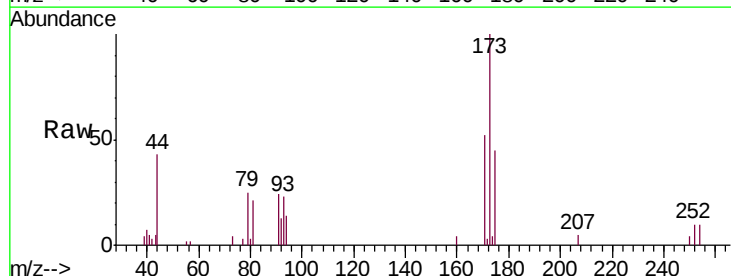
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

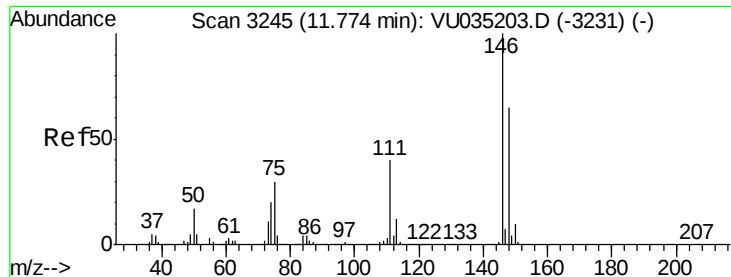
Tgt Ion: 75 Resp: 9703
 Ion Ratio Lower Upper
 75 100
 77 36.7 26.2 39.2



#61
 Bromoform
 Concen: 0.724 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Tgt Ion: 173 Resp: 7967
 Ion Ratio Lower Upper
 173 100
 175 47.3 38.8 58.2
 254 10.2 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 0.595 ug/L

RT: 11.78 min Scan# 3246

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

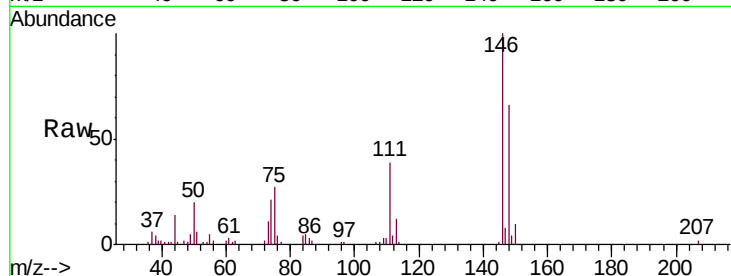
Tgt Ion:146 Resp: 27837

Ion Ratio Lower Upper

146 100

111 39.5 27.8 51.6

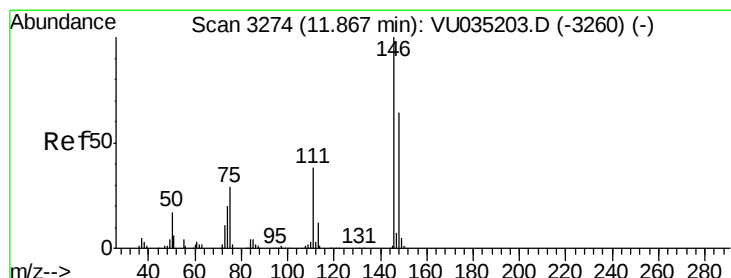
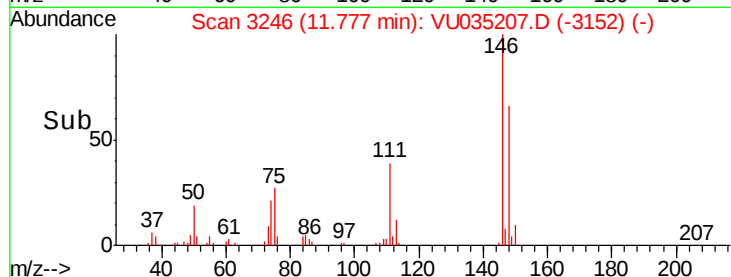
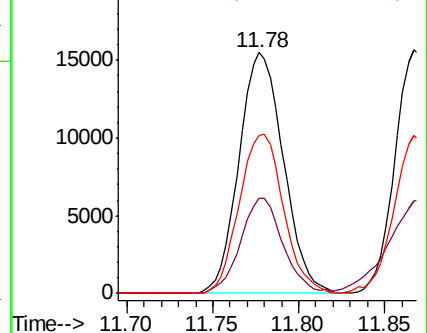
148 65.8 45.6 84.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.582 ug/L

RT: 11.87 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

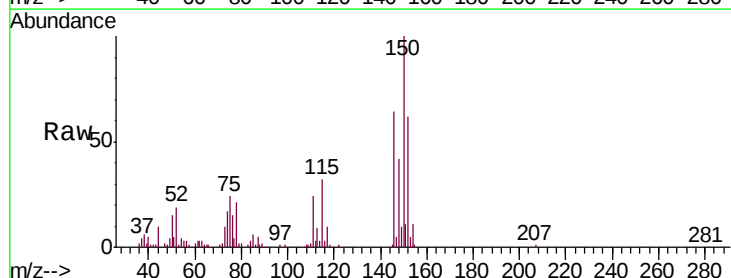
Tgt Ion:146 Resp: 27416

Ion Ratio Lower Upper

146 100

111 37.9 26.4 49.0

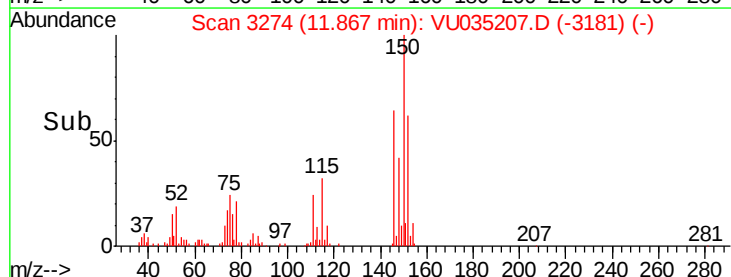
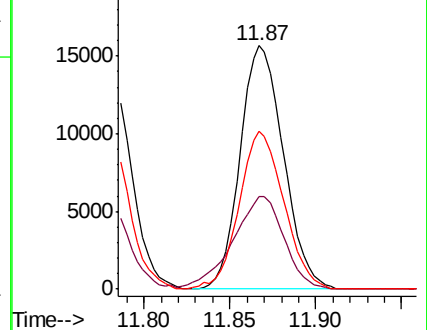
148 64.9 44.7 83.1

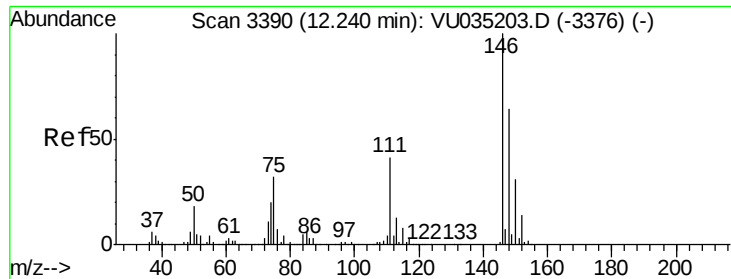


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

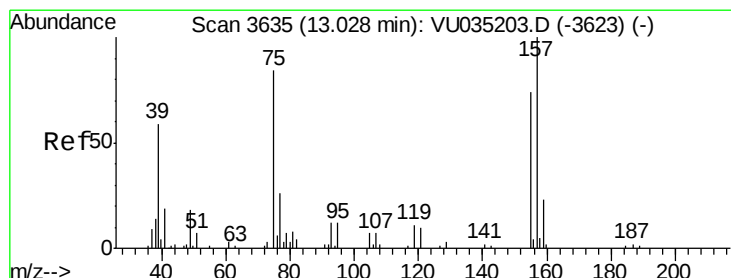
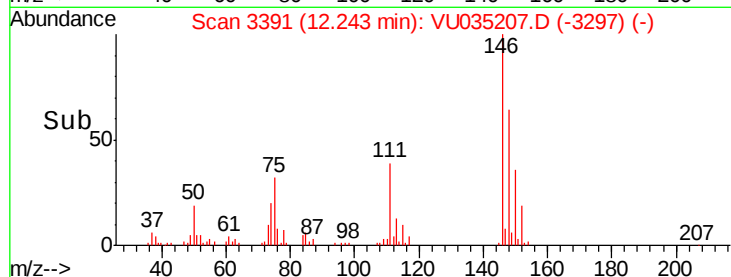
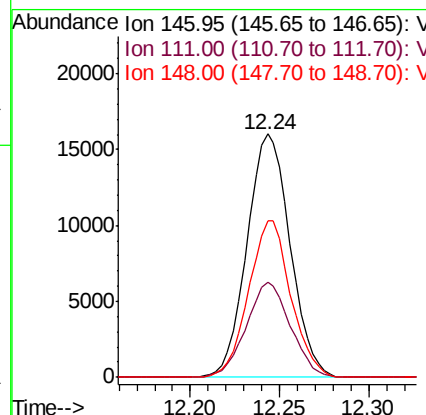
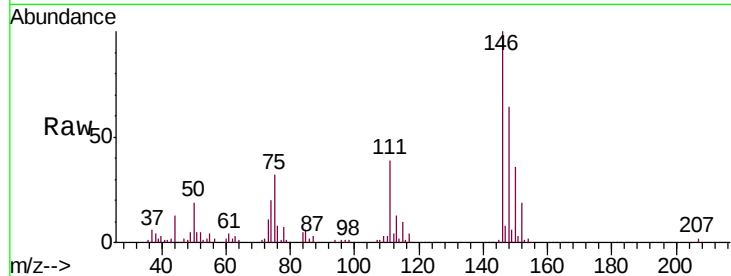




#65
 1,2-Dichlorobenzene
 Concen: 0.601 ug/L
 RT: 12.24 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

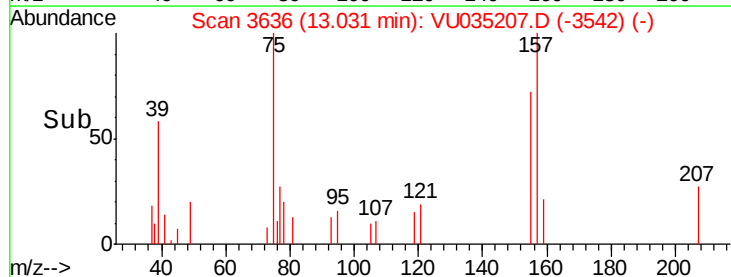
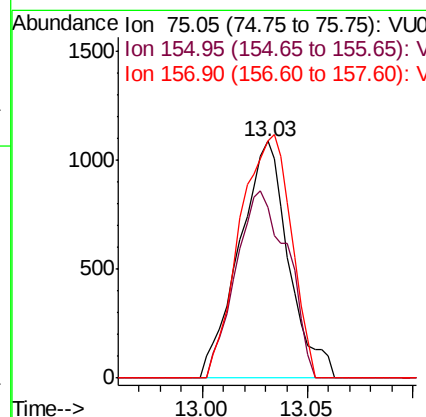
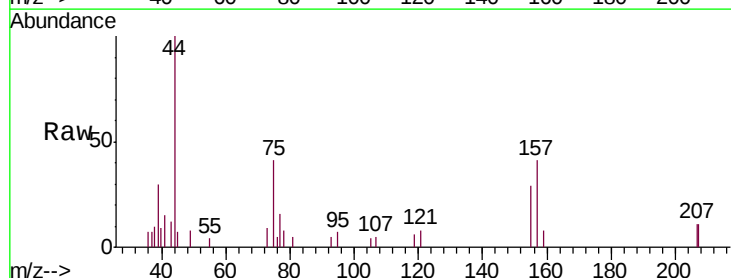
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

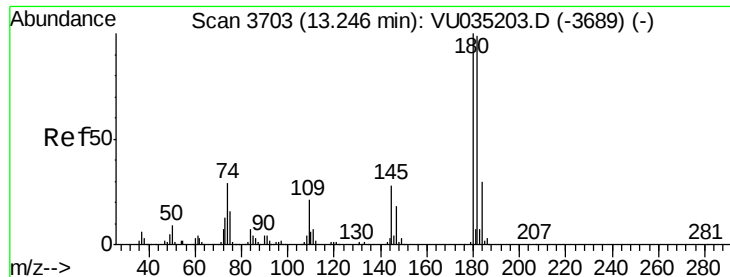
Tgt Ion: 146 Resp: 26995
 Ion Ratio Lower Upper
 146 100
 111 39.0 33.0 49.6
 148 64.1 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.617 ug/L
 RT: 13.03 min Scan# 3636
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Tgt Ion: 75 Resp: 1770
 Ion Ratio Lower Upper
 75 100
 155 71.8 70.0 105.0
 157 100.3 94.7 142.1

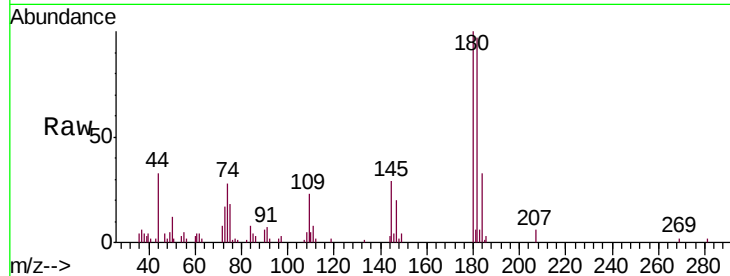




#67
 1,3,5-Trichlorobenzene
 Concen: 0.450 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion:	180	Resp:	14020
Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.4	116.2
184	31.3	23.9	35.9
145	27.7	22.4	33.6



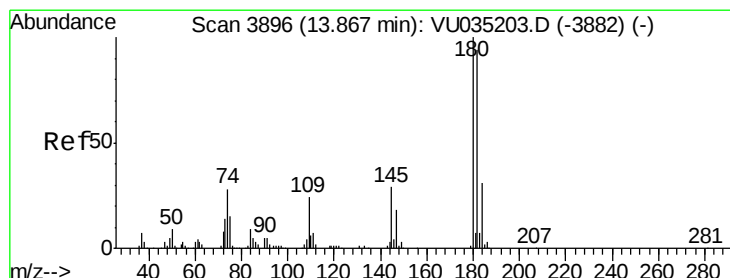
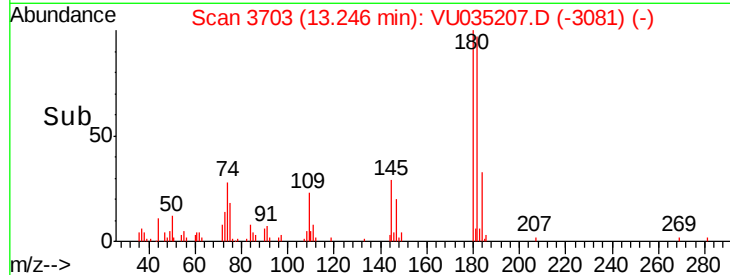
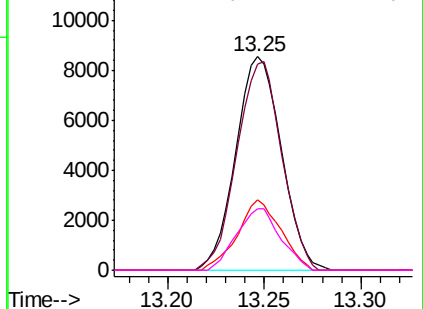
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

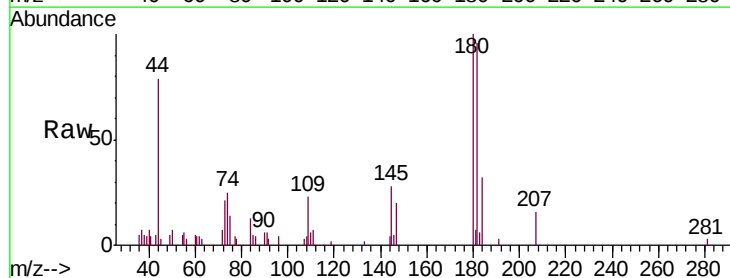
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.308 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035207.D
 Acq: 17 Oct 2019 12:12

Tgt Ion:	180	Resp:	6958
Ion	Ratio	Lower	Upper
180	100		
182	97.8	75.9	113.9
145	29.0	23.4	35.2

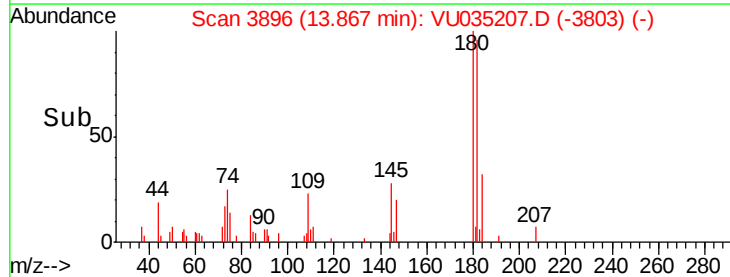
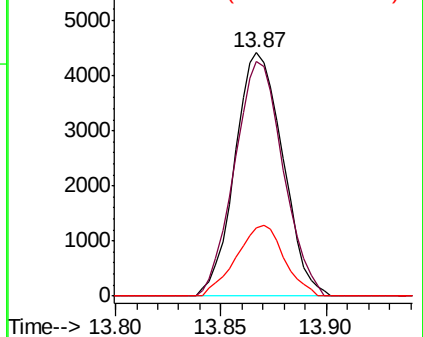


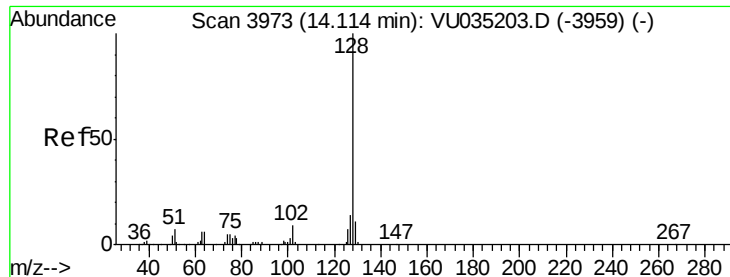
Abundance

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: 0.326 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

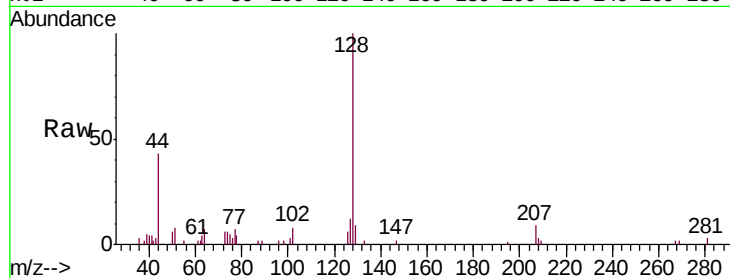
Tgt Ion:128 Resp: 11014

Ion Ratio Lower Upper

128 100

129 8.5 8.6 13.0#

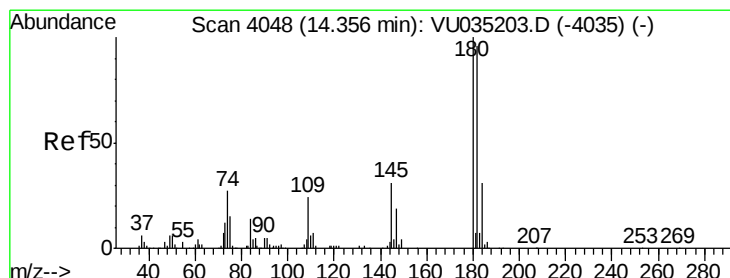
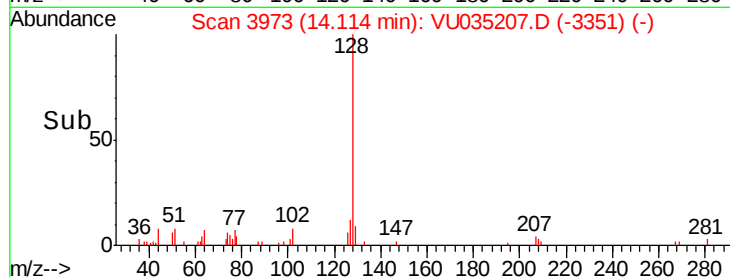
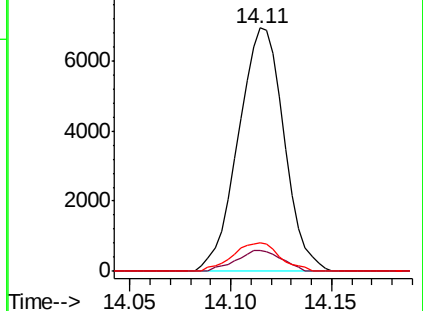
127 12.1 10.7 16.1



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: 0.342 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU035207.D

Acq: 17 Oct 2019 12:12

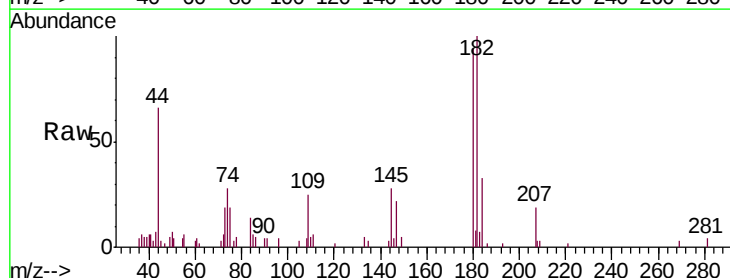
Tgt Ion:180 Resp: 7480

Ion Ratio Lower Upper

180 100

182 97.1 76.0 114.0

145 30.3 24.6 37.0



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

