

Data File : VU034885.D
Acq On : 30 Sep 2019 18:05
Operator : JC/SP
Sample : VSTD05034
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Quant Time: Oct 01 02:39:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 01 02:35:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	334028	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	329325	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	149607	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	114945	35.74	ug/L	0.00
7) Chloroethane-d5	1.67	69	95214	37.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	208759	37.99	ug/L	0.00
21) 2-Butanone-d5	4.15	46	233519	91.86	ug/L	0.00
24) Chloroform-d	4.62	84	231783	47.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	164610	45.73	ug/L	0.00
32) Benzene-d6	5.32	84	451310	45.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	152508	44.06	ug/L	0.00
41) Toluene-d8	7.54	98	420562	44.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	69082	42.08	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	148661	85.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	220448	45.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	149489	47.90	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	95718	30.167	ug/L	100
3) Chloromethane	1.32	50	80059	21.781	ug/L	100
5) Vinyl chloride	1.40	62	82653	24.509	ug/L	100
6) Bromomethane	1.62	94	40936	22.367	ug/L	100
8) Chloroethane	1.69	64	51672	26.417	ug/L	100
9) Trichlorofluoromethane	1.87	101	126060	28.937	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	78443	36.379	ug/L	100
12) 1,1-Dichloroethene	2.27	96	62101	30.906	ug/L	100
13) Acetone	2.31	43	176595	62.000	ug/L	100
14) Carbon disulfide	2.46	76	99372	15.662	ug/L	100
15) Methyl Acetate	2.60	43	143144	36.992	ug/L	100
16) Methylene chloride	2.68	84	90200	34.642	ug/L	100
17) trans-1,2-Dichloroethene	2.96	96	63544	29.028	ug/L	100
18) Methyl tert-butyl Ether	2.98	73	353104	41.197	ug/L	100
19) 1,1-Dichloroethane	3.42	63	188164	36.283	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	95268	36.036	ug/L	100
22) 2-Butanone	4.24	43	235365	69.013	ug/L	100
23) Bromochloromethane	4.52	128	44782	35.536	ug/L	100
25) Chloroform	4.65	83	199440	38.433	ug/L	100
27) 1,2-Dichloroethane	5.38	62	163362	37.126	ug/L	100
29) Cyclohexane	4.97	56	117671	24.191	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	155291	36.385	ug/L	100
31) Carbon tetrachloride	5.11	117	120779	33.794	ug/L	100
33) Benzene	5.37	78	352582	33.150	ug/L	100
34) Trichloroethene	6.16	95	86077	32.658	ug/L	100
35) Methylcyclohexane	6.39	83	109279	25.295	ug/L	100
37) 1,2-Dichloropropane	6.41	63	117049	36.418	ug/L	100
38) Bromodichloromethane	6.74	83	151486	38.448	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	170900	35.321	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	474378	76.329	ug/L	100

Data File : VU034885.D
Acq On : 30 Sep 2019 18:05
Operator : JC/SP
Sample : VSTD05034
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Quant Time: Oct 01 02:39:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 01 02:35:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	379649	33.089	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	155928	36.075	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	109553	41.403	ug/L	100
46) Tetrachloroethene	8.21	164	57133	31.160	ug/L	100
48) 2-Hexanone	8.34	43	353523	73.401	ug/L	100
49) Dibromochloromethane	8.45	129	118218	40.387	ug/L	100
50) 1,2-Dibromoethane	8.57	107	103331	37.136	ug/L	100
51) Chlorobenzene	9.10	112	253488	35.747	ug/L	100
52) Ethylbenzene	9.23	91	441490	33.891	ug/L	100
53) m,p-Xylene	9.35	106	152544	33.250	ug/L	100
54) o-xylene	9.76	106	163735	35.711	ug/L	100
55) Styrene	9.77	104	287623	36.861	ug/L	100
56) Isopropylbenzene	10.14	105	453528	36.435	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	217700	42.564	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	172374	41.611	ug/L	100
61) Bromoform	9.94	173	83858	41.960	ug/L	100
62) 1,3-Dichlorobenzene	11.39	146	199632	39.827	ug/L	100
63) 1,4-Dichlorobenzene	11.48	146	198697	38.981	ug/L	100
65) 1,2-Dichlorobenzene	11.85	146	215342	42.057	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.63	75	46876	43.059	ug/L	100
67) 1,3,5-Trichlorobenzene	12.86	180	144113	42.314	ug/L	100
68) 1,2,4-trichlorobenzene	13.48	180	117109	43.991	ug/L	100
69) Naphthalene	13.72	128	386314	42.070	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	121882	43.963	ug/L	100

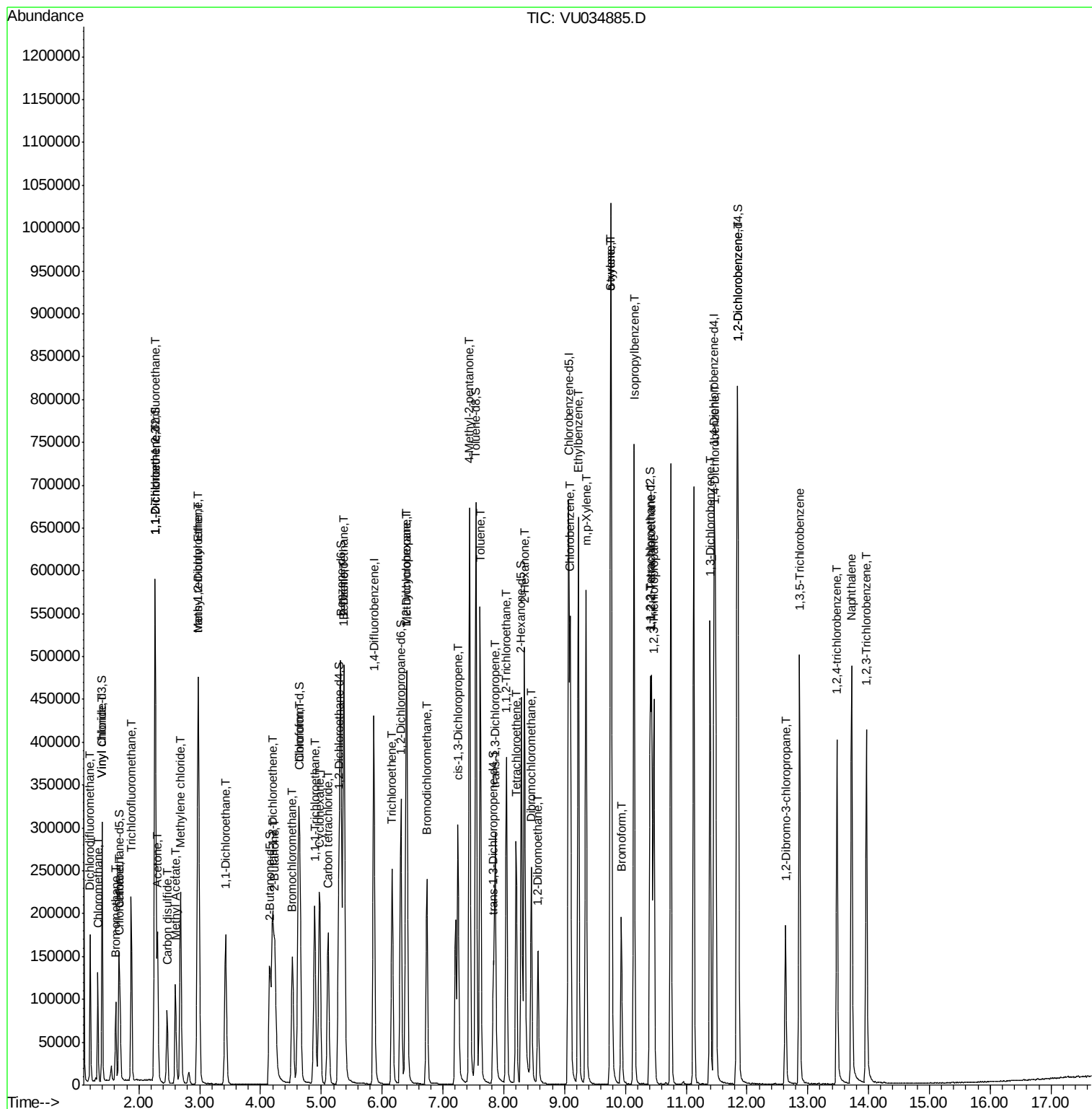
(#) = qualifier out of range (m) = manual integration (+) = signals summed

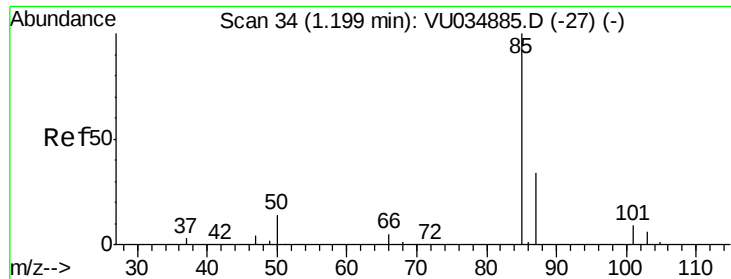
Data File : VU034885.D

```
Acq On       : 30 Sep 2019   18:05
Operator     : JC/SP
Sample       : VSTD05034
Misc         : 5.0mL/MSV0A_U/WATER
ALS Vial     : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Quant Time: Oct 01 02:37:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 01 02:35:34 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 30.167 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

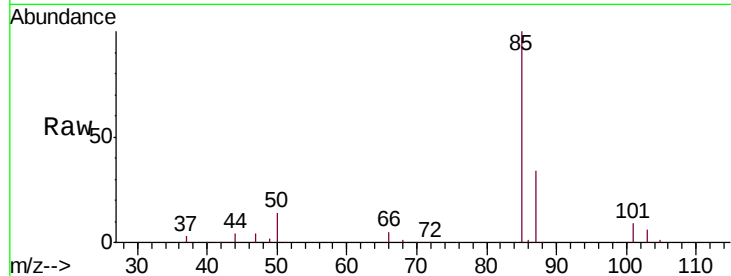
VSTD05034

Tgt Ion: 85 Resp: 95718

Ion Ratio Lower Upper

85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU034885.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU034885.D (-27) (-)

1.20

100000

80000

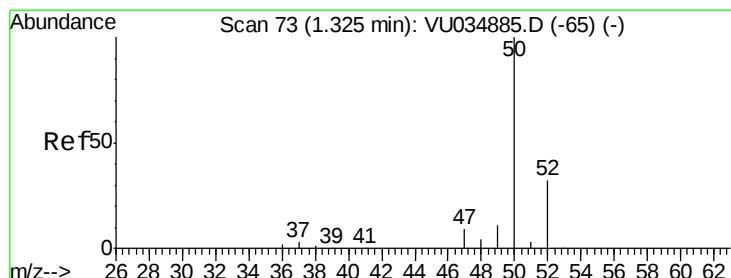
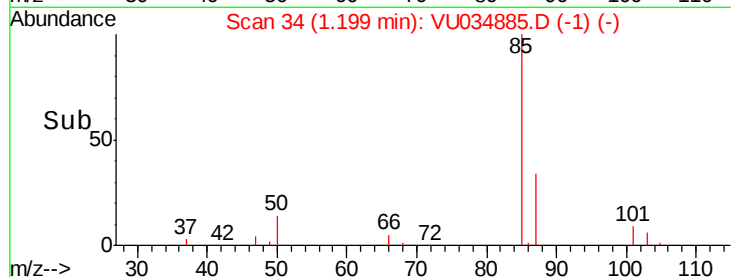
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 21.781 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034885.D

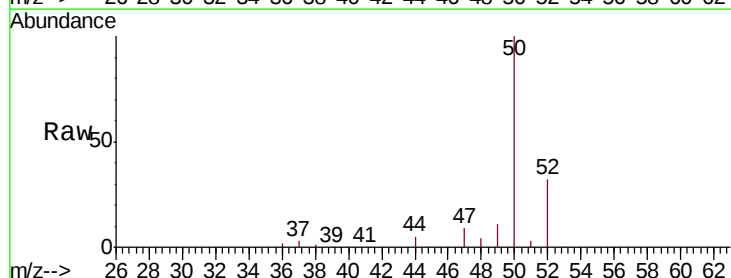
Acq: 30 Sep 2019 18:05

Tgt Ion: 50 Resp: 80059

Ion Ratio Lower Upper

50 100

52 32.0 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VU034885.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU034885.D (-65) (-)

1.32

80000

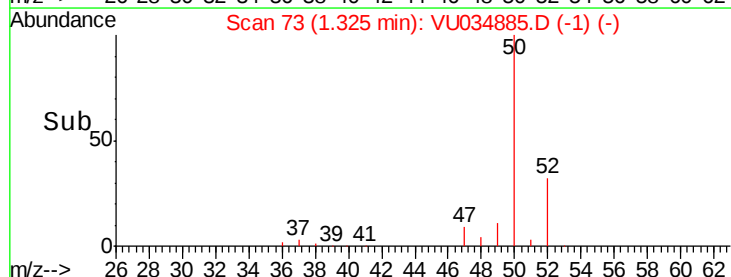
60000

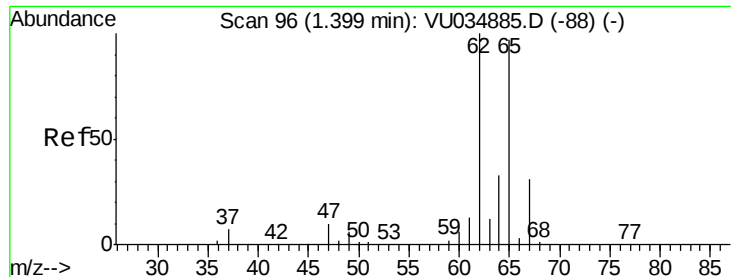
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 24.509 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

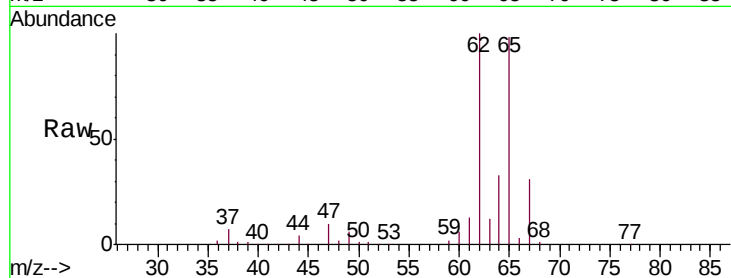
VSTD05034

Tgt Ion: 62 Resp: 82653

Ion Ratio Lower Upper

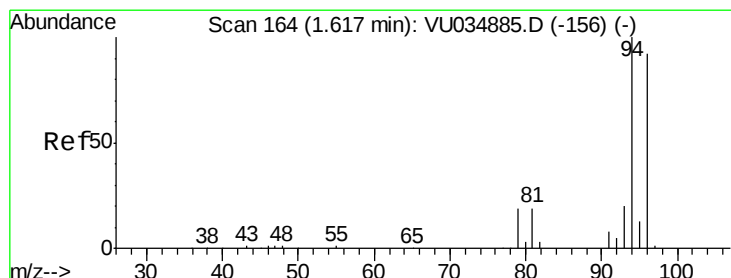
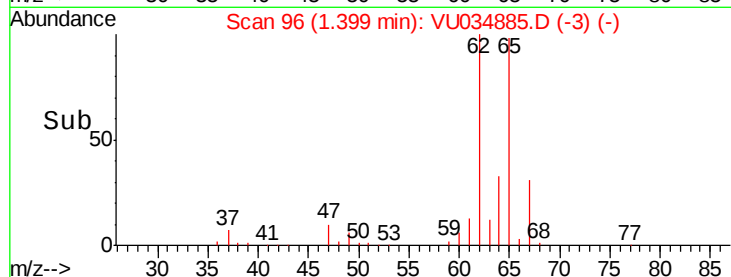
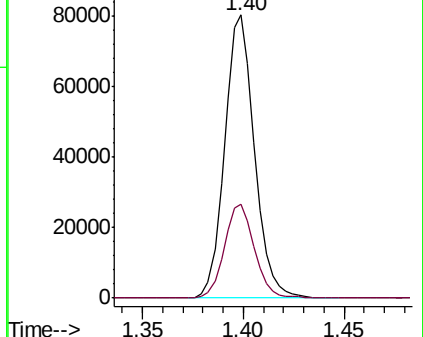
62 100

64 33.1 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU034885.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU034885.D (-88) (-)



#6

Bromomethane

Concen: 22.367 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU034885.D

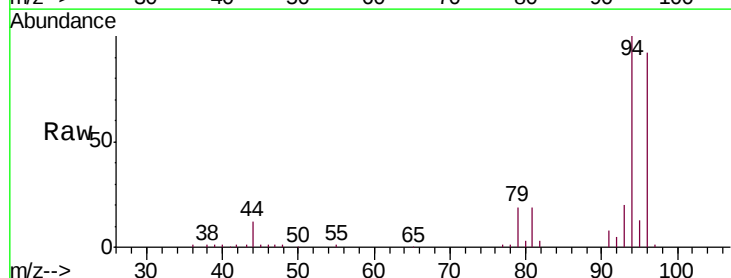
Acq: 30 Sep 2019 18:05

Tgt Ion: 94 Resp: 40936

Ion Ratio Lower Upper

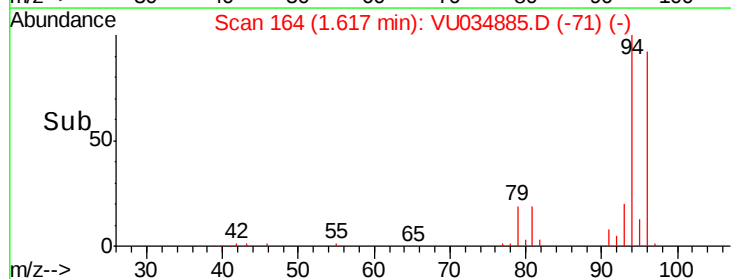
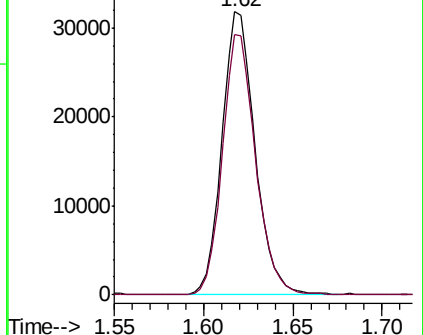
94 100

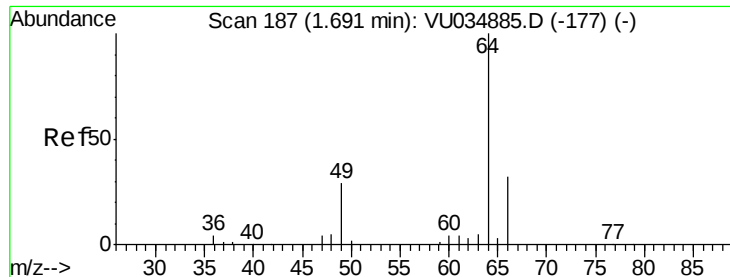
96 92.0 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU034885.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU034885.D (-156) (-)

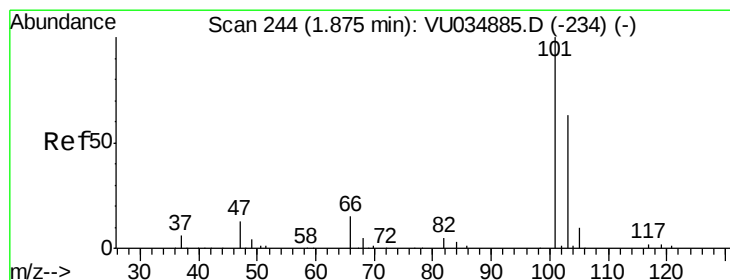
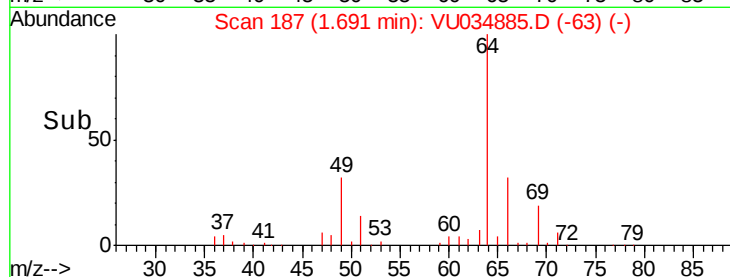
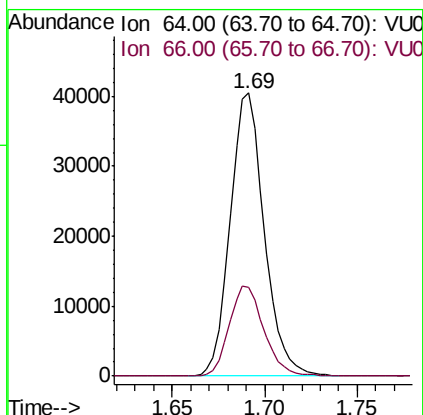
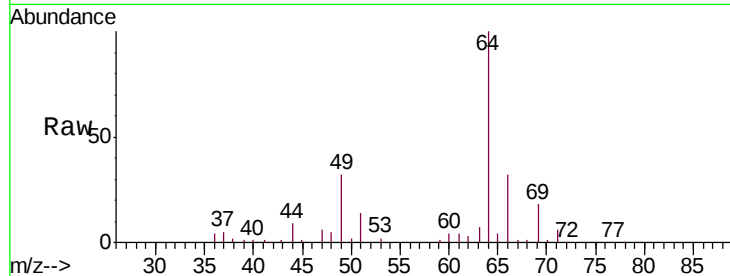




#8
Chloroethane
Concen: 26.417 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

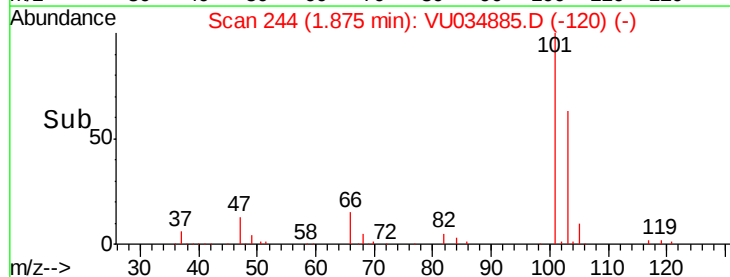
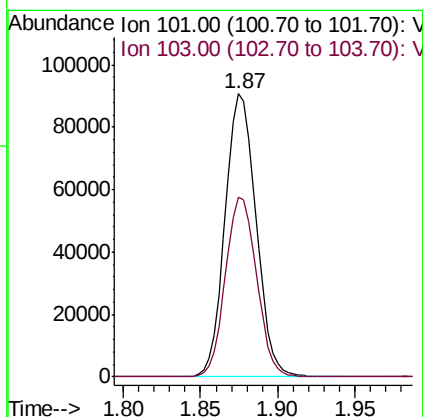
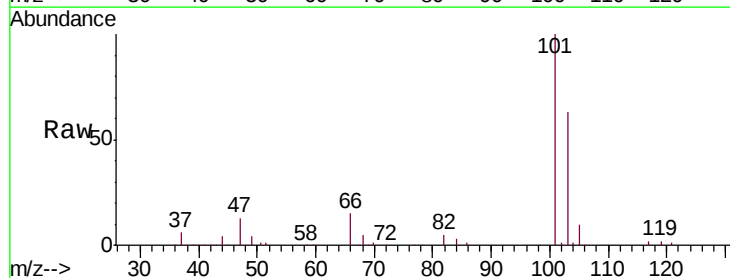
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

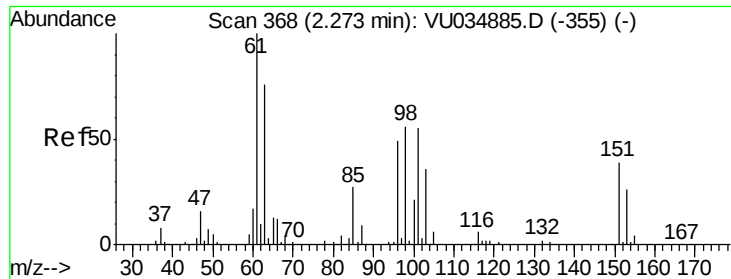
Tgt Ion: 64 Resp: 51672
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 28.937 ug/L
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

Tgt Ion: 101 Resp: 126060
Ion Ratio Lower Upper
101 100
103 64.0 51.2 76.8





#10

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

Concen: 36.379 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

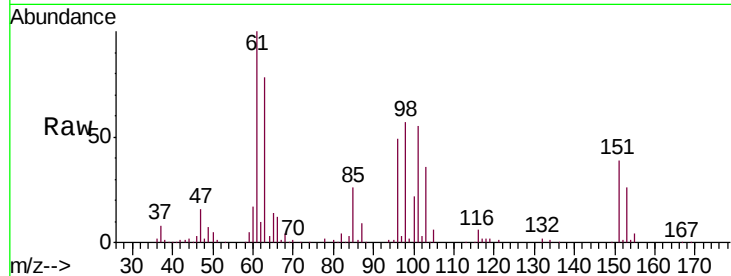
Tgt Ion:101 Resp: 78443

Ion Ratio Lower Upper

101 100

85 46.4 37.1 55.7

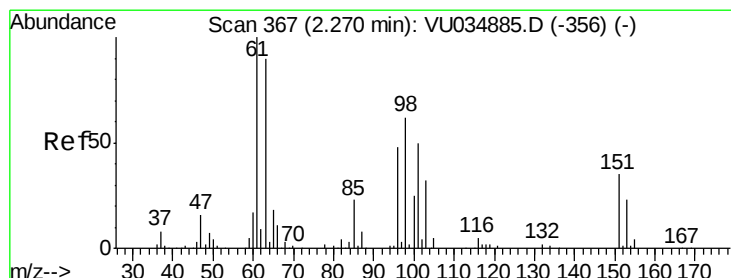
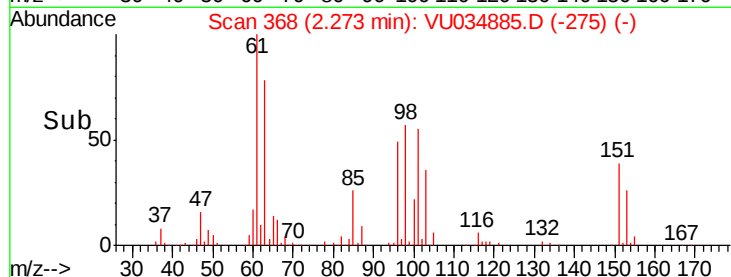
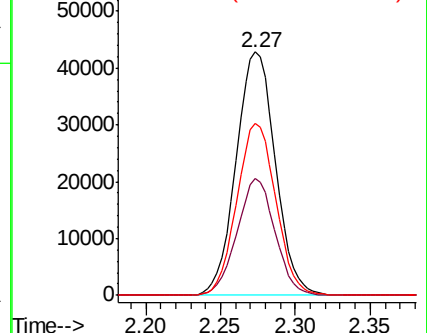
151 70.0 56.0 84.0



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: 30.906 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

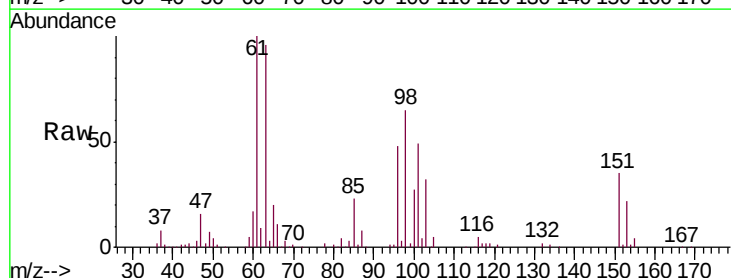
Tgt Ion: 96 Resp: 62101

Ion Ratio Lower Upper

96 100

61 210.0 147.0 273.0

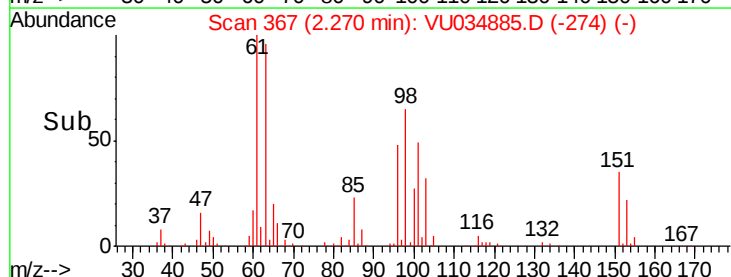
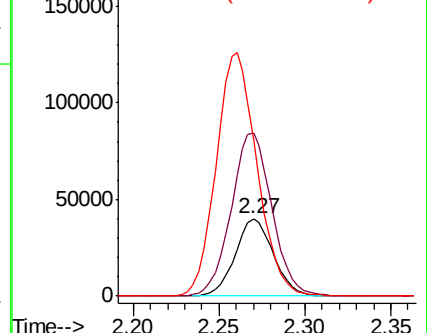
63 200.7 140.5 260.9

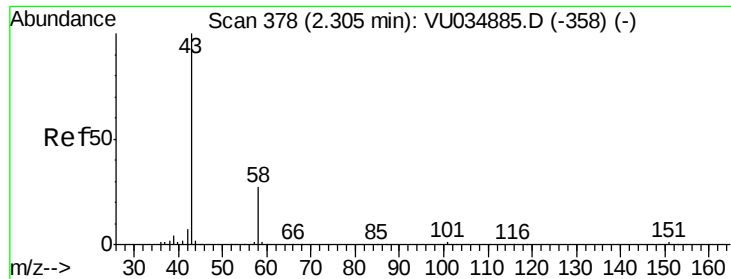


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 62.000 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

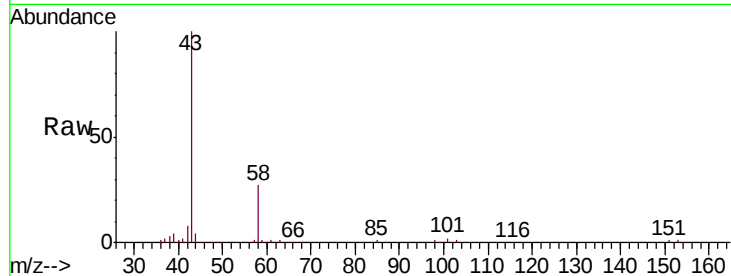
VSTD05034

Tgt Ion: 43 Resp: 176595

Ion Ratio Lower Upper

43 100

58 26.3 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU034885.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034885.D (-358) (-)

2.31

120000

100000

80000

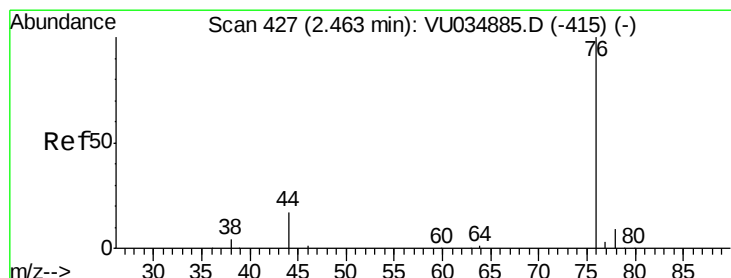
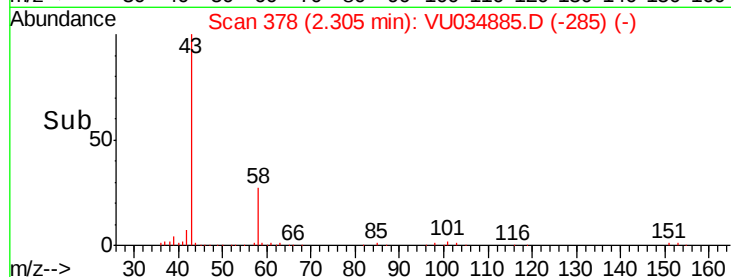
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 15.662 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034885.D

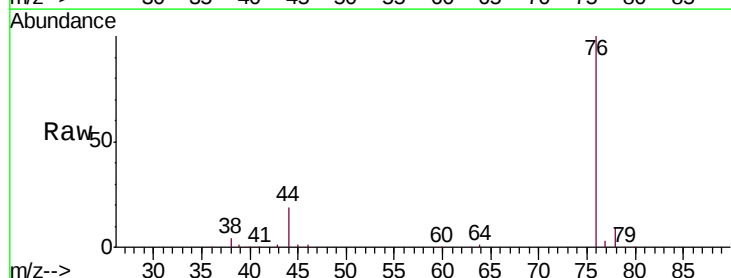
Acq: 30 Sep 2019 18:05

Tgt Ion: 76 Resp: 99372

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU034885.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU034885.D (-415) (-)

2.46

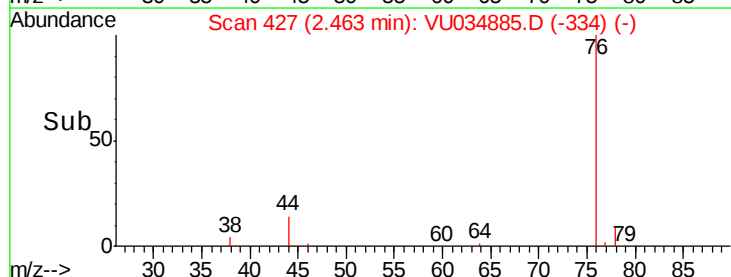
60000

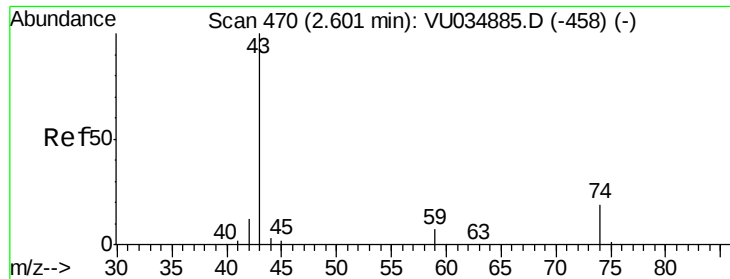
40000

20000

0

Time-->

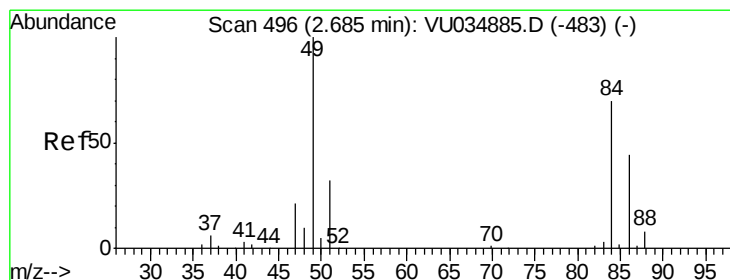
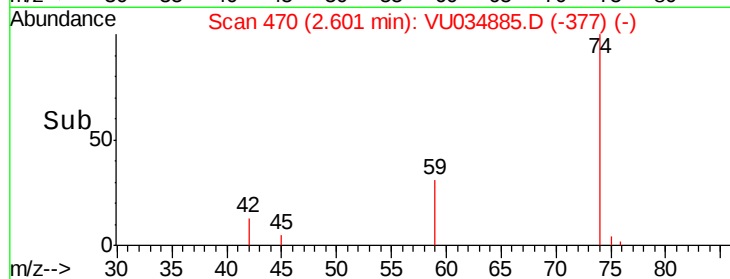
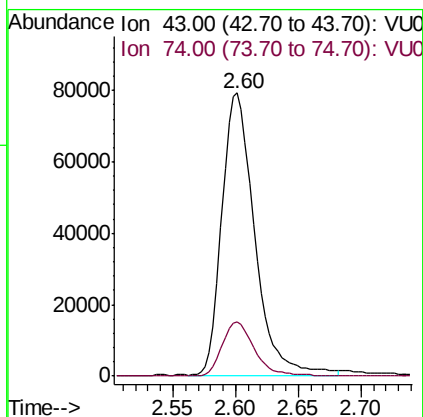
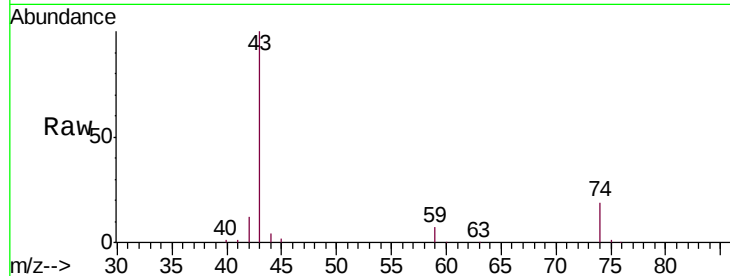




#15
Methyl Acetate
Concen: 36.992 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

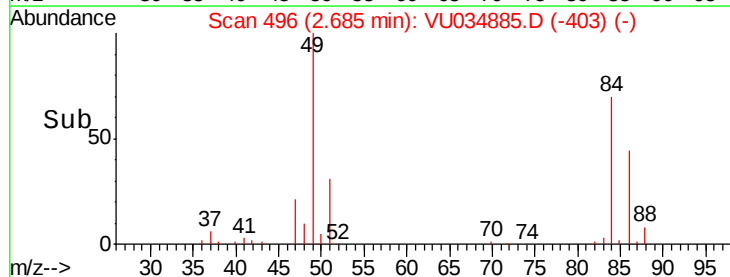
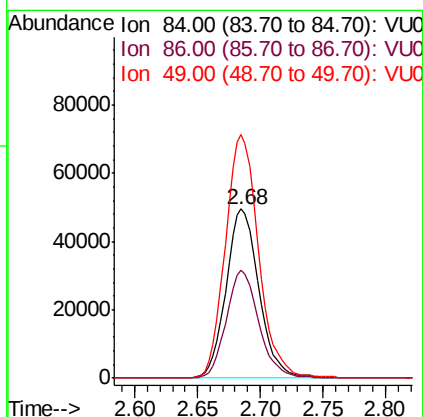
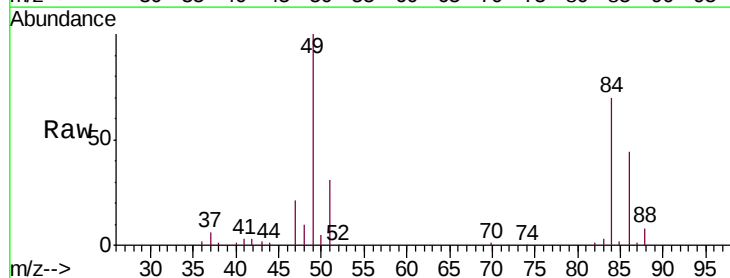
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

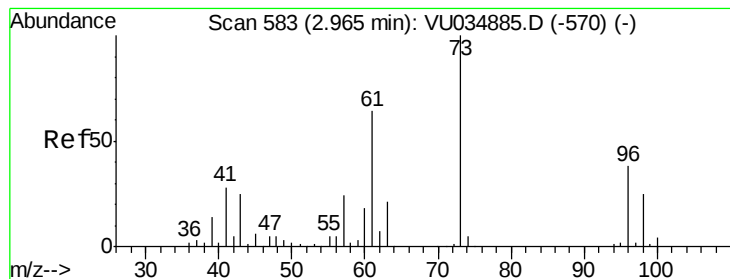
Tgt Ion: 43 Resp: 143144
Ion Ratio Lower Upper
43 100
74 19.1 15.3 22.9



#16
Methylene chloride
Concen: 34.642 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

Tgt Ion: 84 Resp: 90200
Ion Ratio Lower Upper
84 100
86 63.8 44.7 82.9
49 143.8 100.7 186.9





#17

trans-1,2-Dichloroethene

Concen: 29.028 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

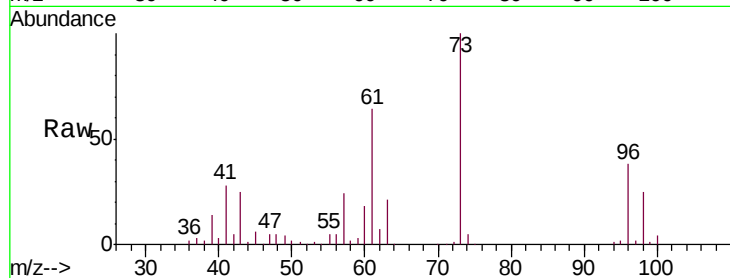
Tgt Ion: 96 Resp: 63544

Ion Ratio Lower Upper

96 100

61 167.8 117.5 218.1

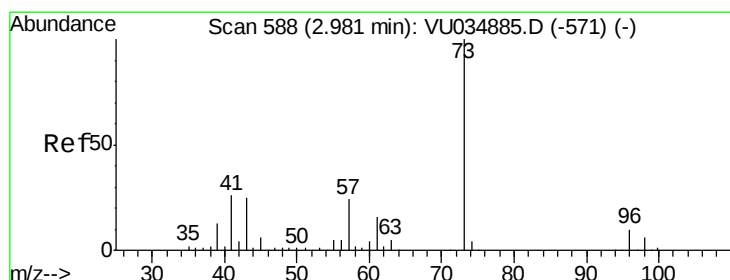
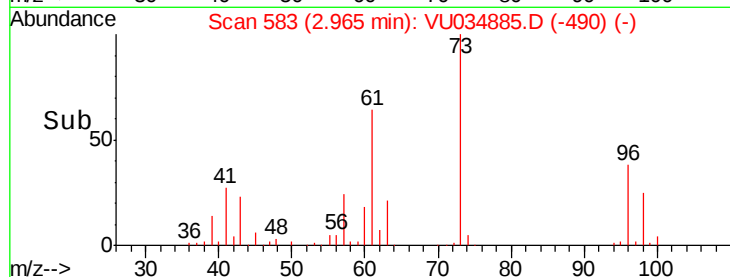
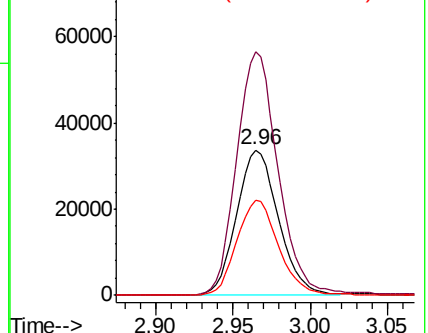
98 65.4 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VU034885.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU034885.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU034885.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 41.197 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

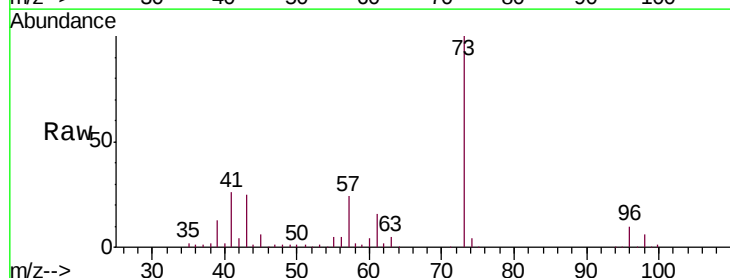
Tgt Ion: 73 Resp: 353104

Ion Ratio Lower Upper

73 100

43 24.6 19.7 29.5

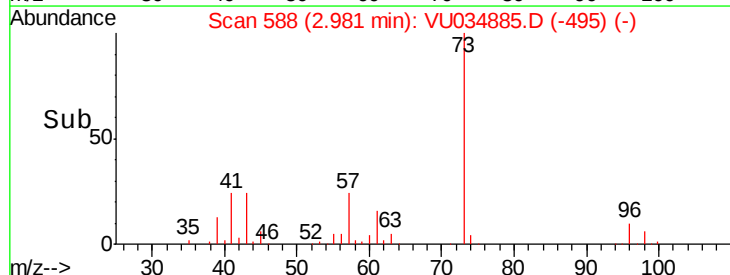
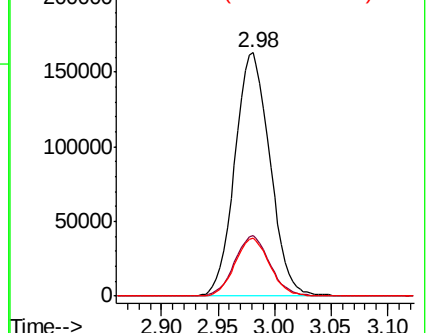
57 23.5 18.8 28.2

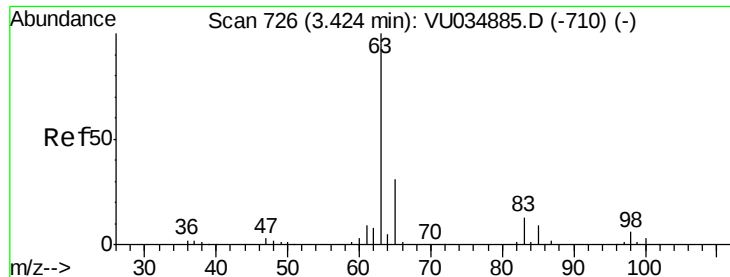


Abundance Ion 73.00 (72.70 to 73.70): VU034885.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU034885.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU034885.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 36.283 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampled :

VSTD05034

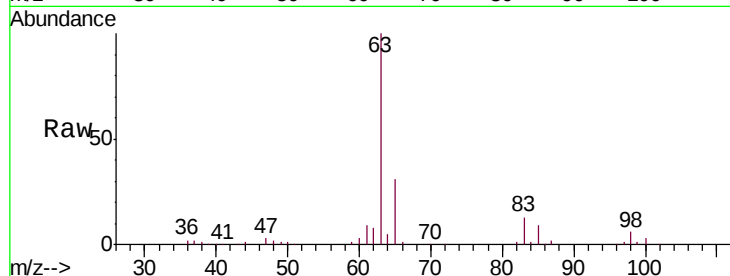
Tgt Ion: 63 Resp: 188164

Ion Ratio Lower Upper

63 100

65 30.9 21.6 40.2

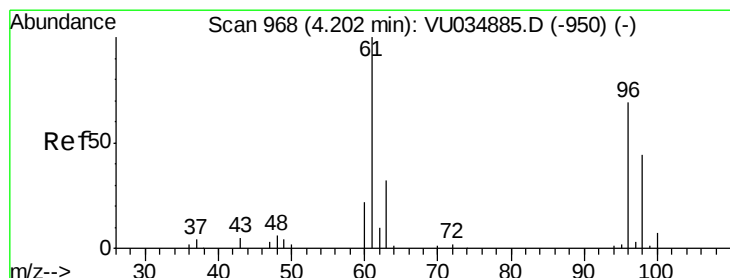
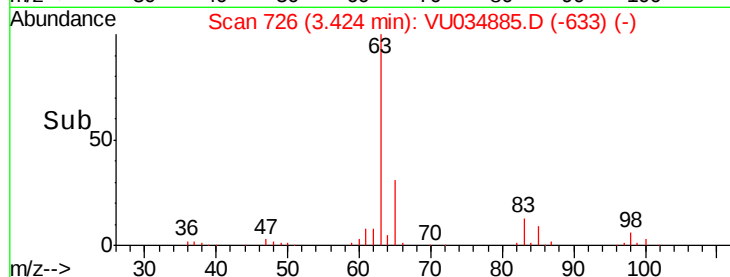
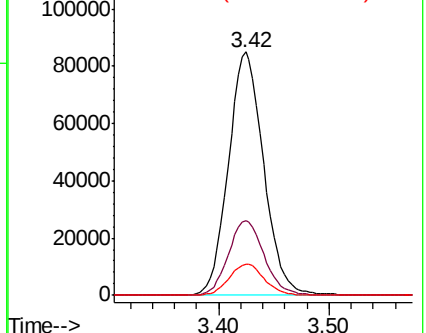
83 12.8 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 36.036 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

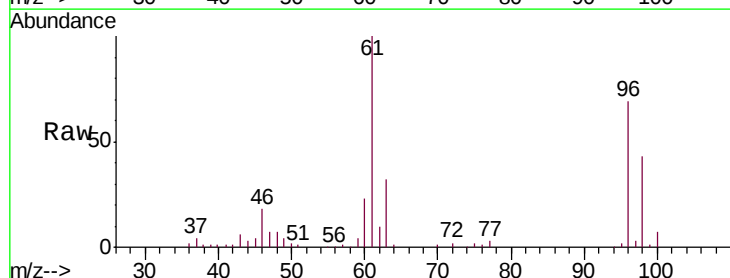
Tgt Ion: 96 Resp: 95268

Ion Ratio Lower Upper

96 100

61 144.6 101.2 188.0

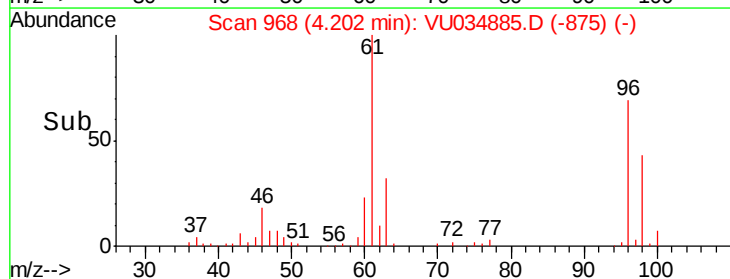
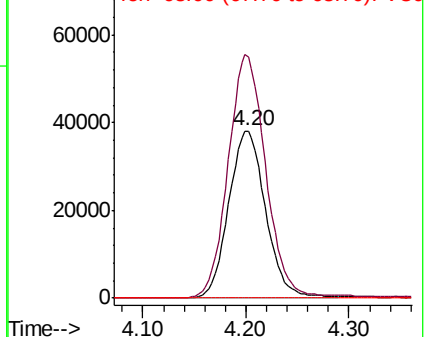
68 0.0 0.0 0.0

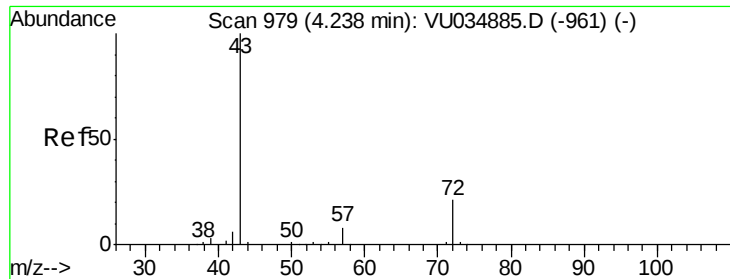


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 69.013 ug/L

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

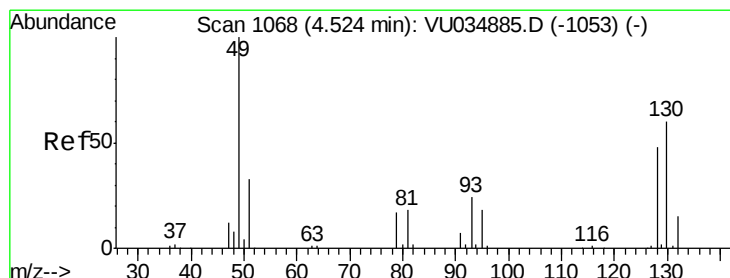
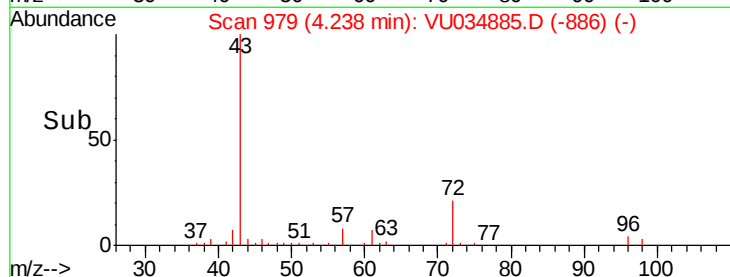
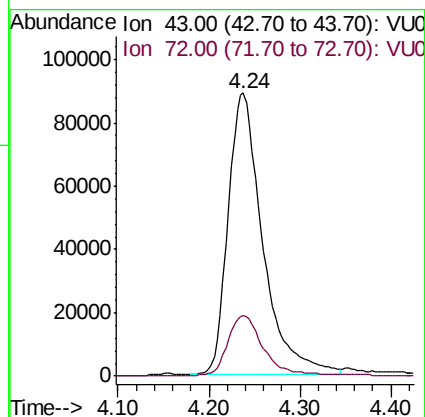
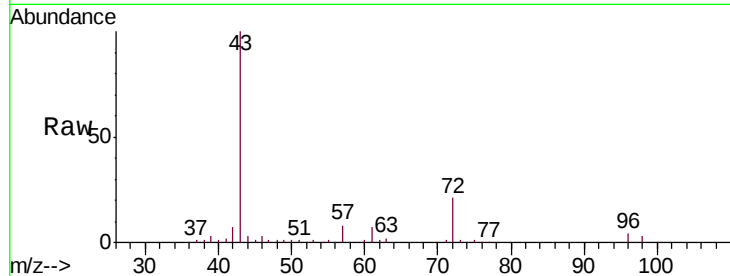
VSTD05034

Tgt Ion: 43 Resp: 235365

Ion Ratio Lower Upper

43 100

72 22.4 11.2 33.6



#23

Bromochloromethane

Concen: 35.536 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Tgt Ion: 128 Resp: 44782

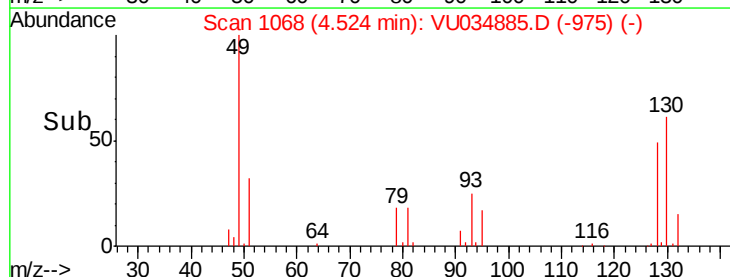
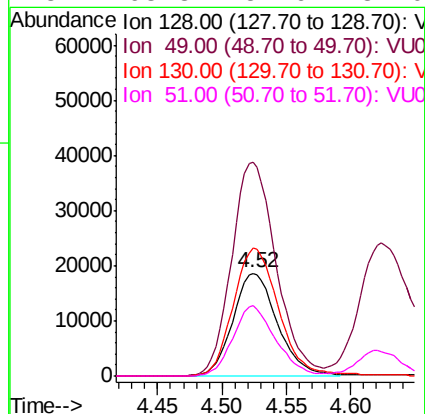
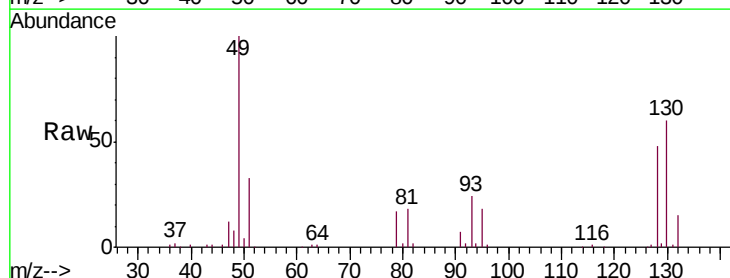
Ion Ratio Lower Upper

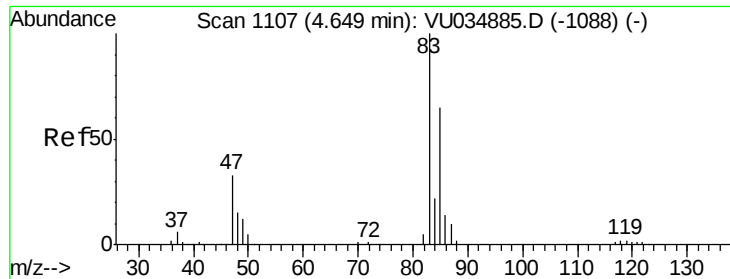
128 100

49 208.1 145.7 270.5

130 124.2 86.9 161.5

51 68.3 54.6 82.0

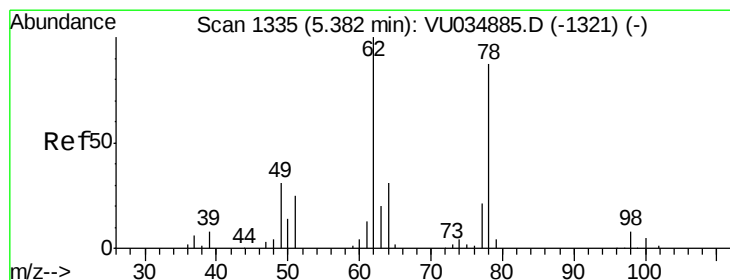
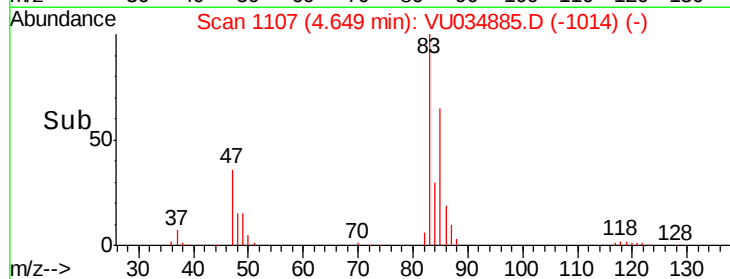
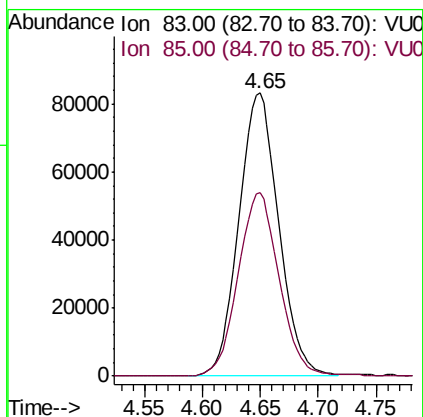
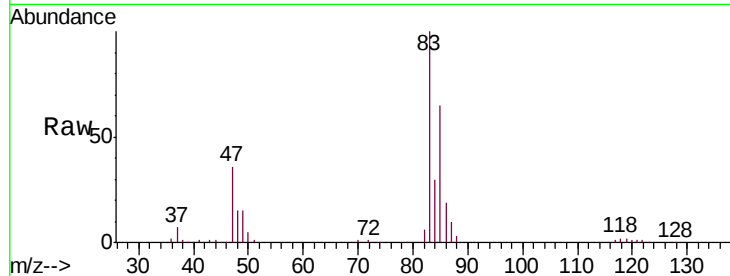




#25
Chloroform
Concen: 38.433 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

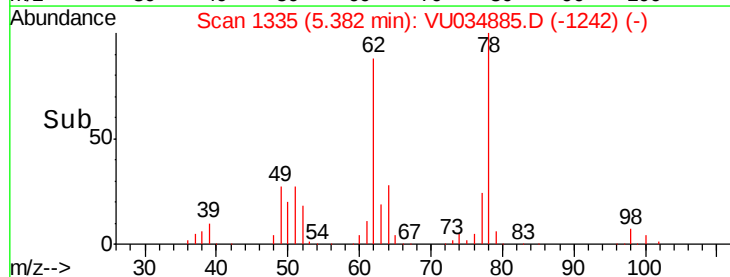
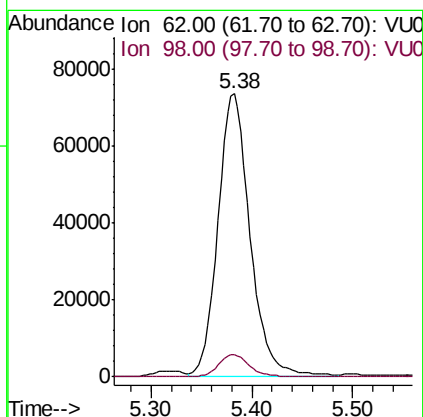
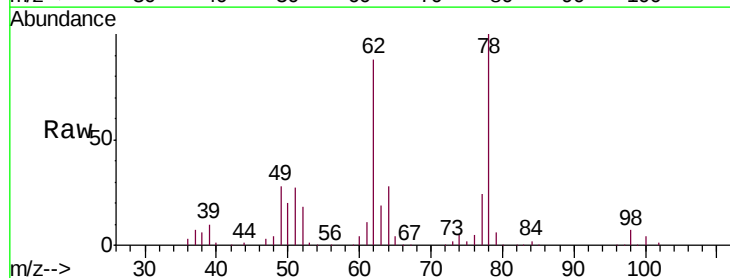
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

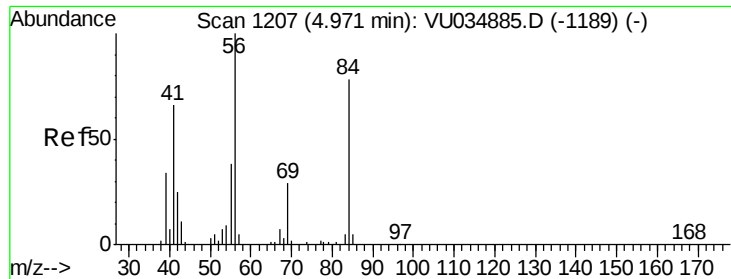
Tgt Ion: 83 Resp: 199440
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 37.126 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

Tgt Ion: 62 Resp: 163362
Ion Ratio Lower Upper
62 100
98 7.7 6.2 9.2

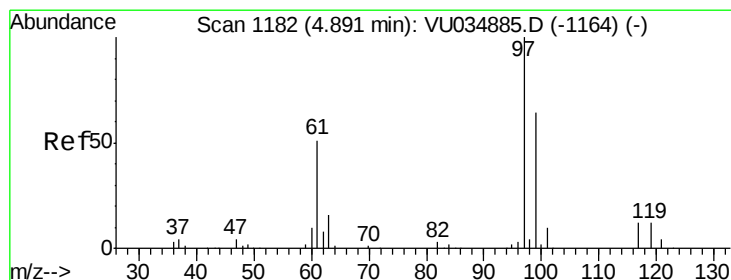
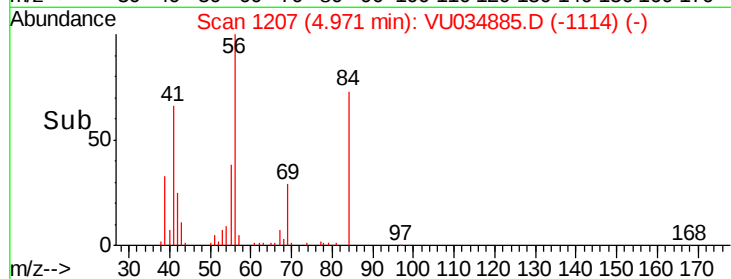
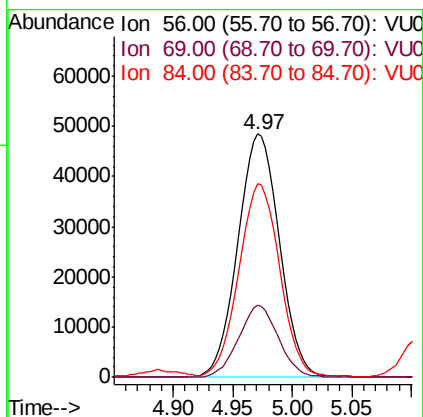
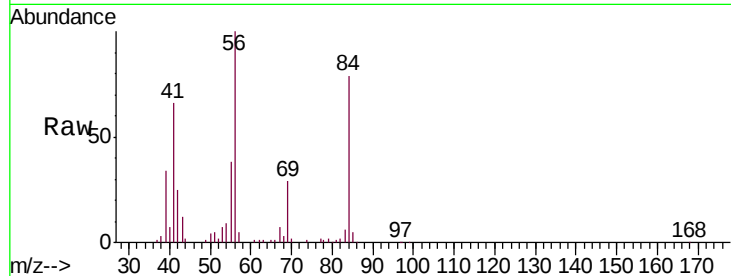




#29
Cyclohexane
Concen: 24.191 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

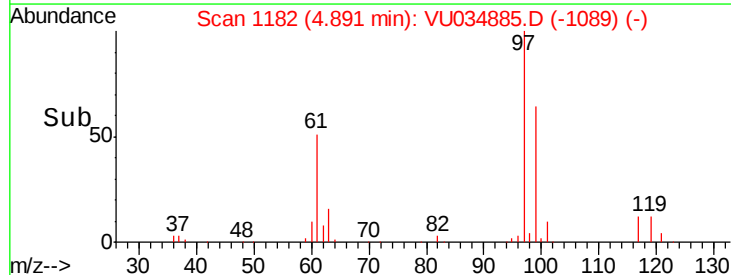
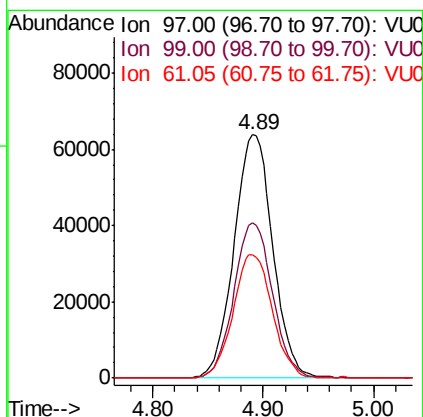
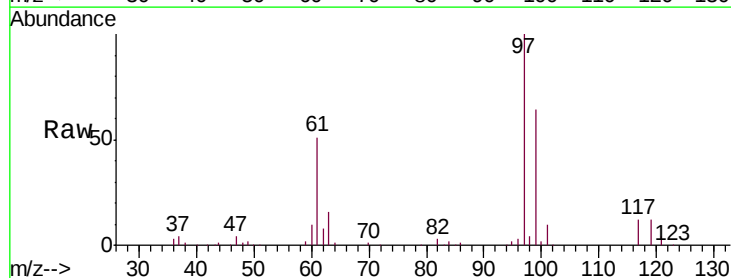
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

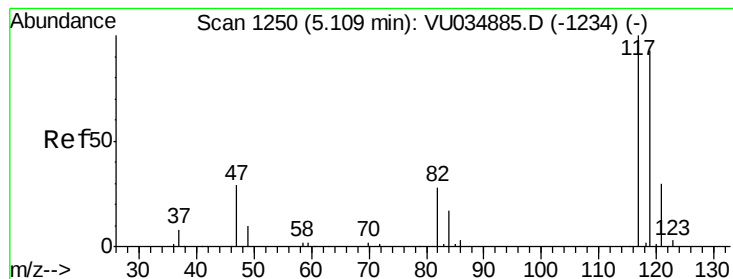
Tgt Ion: 56 Resp: 117671
Ion Ratio Lower Upper
56 100
69 28.2 22.6 33.8
84 77.0 61.6 92.4



#30
1,1,1-Trichloroethane
Concen: 36.385 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

Tgt Ion: 97 Resp: 155291
Ion Ratio Lower Upper
97 100
99 63.5 50.8 76.2
61 51.5 41.2 61.8





#31

Carbon tetrachloride

Concen: 33.794 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

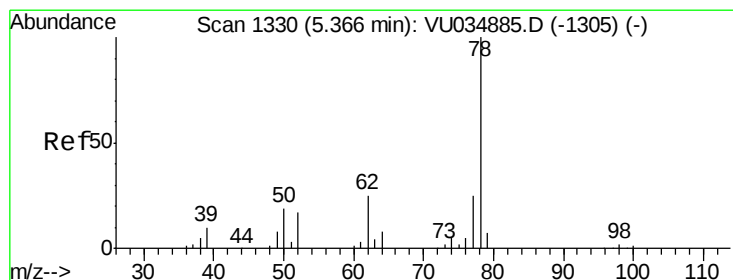
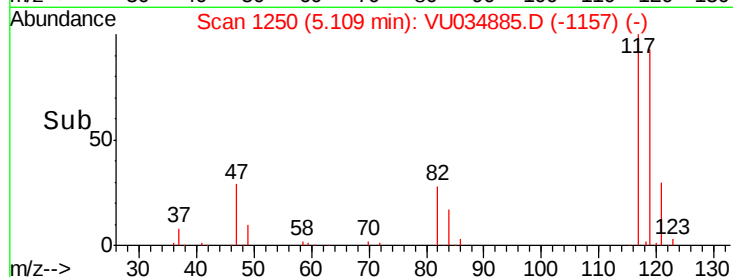
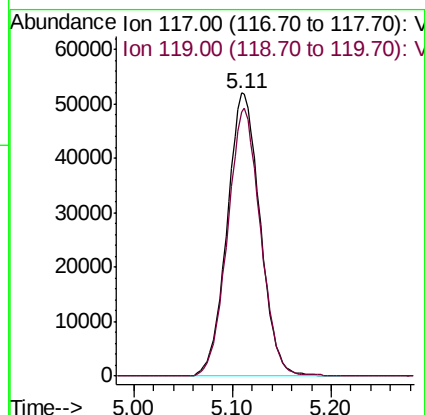
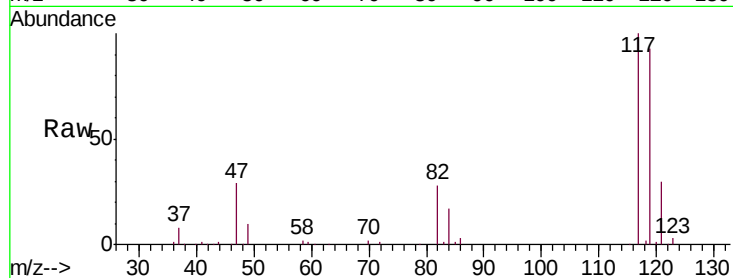
VSTD05034

Tgt Ion:117 Resp: 120779

Ion Ratio Lower Upper

117 100

119 94.1 75.3 112.9



#33

Benzene

Concen: 33.150 ug/L

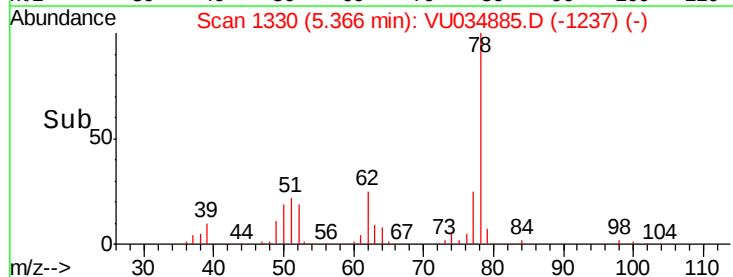
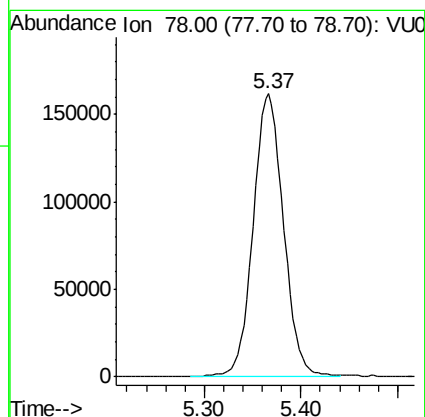
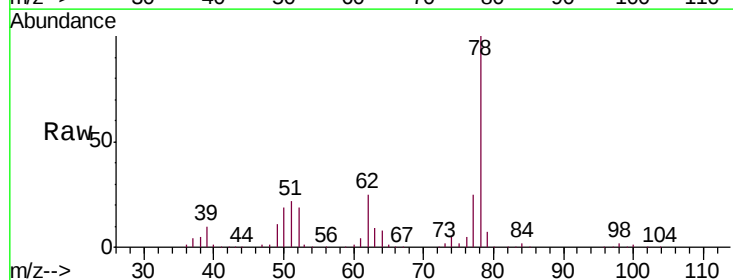
RT: 5.37 min Scan# 1330

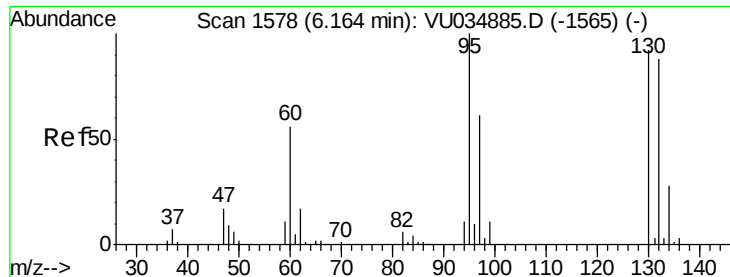
Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Tgt Ion: 78 Resp: 352582





#34

Trichloroethene

Concen: 32.658 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

Tgt Ion: 95 Resp: 86077

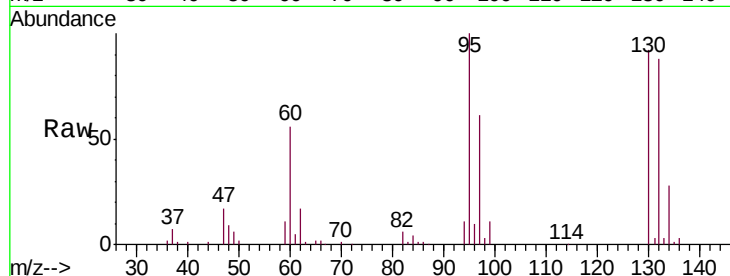
Ion Ratio Lower Upper

95 100

97 61.3 42.9 79.7

132 88.2 61.7 114.7

130 92.3 64.6 120.0

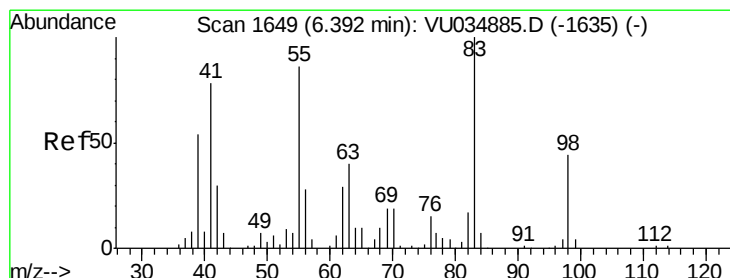
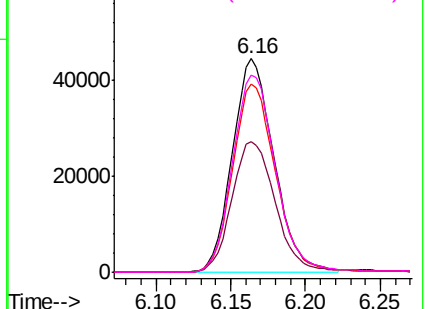
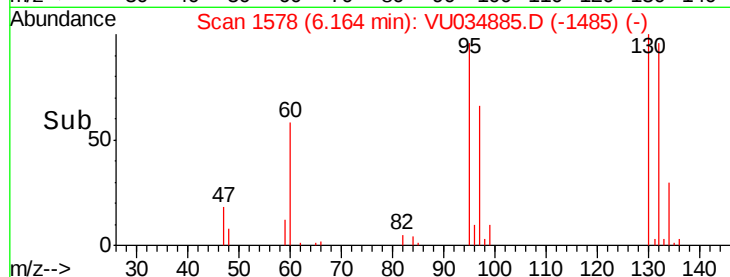


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 25.295 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

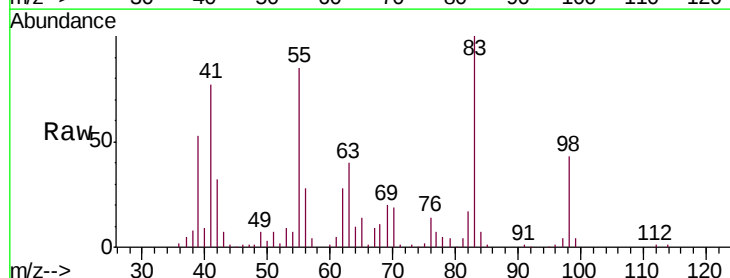
Tgt Ion: 83 Resp: 109279

Ion Ratio Lower Upper

83 100

55 85.5 68.4 102.6

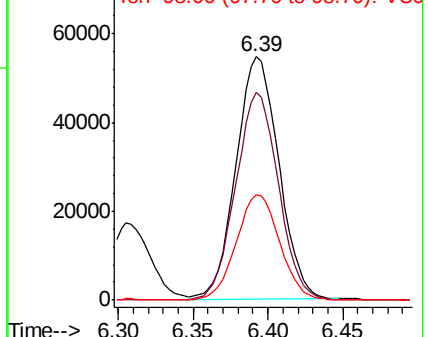
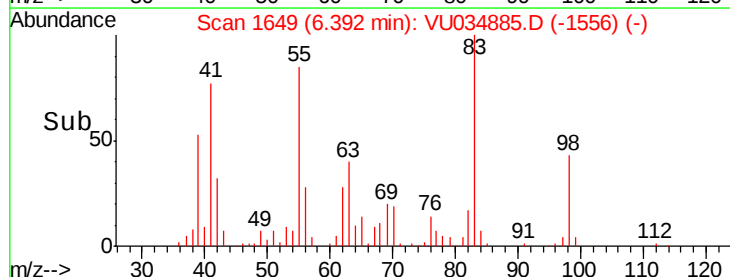
98 44.1 35.3 52.9

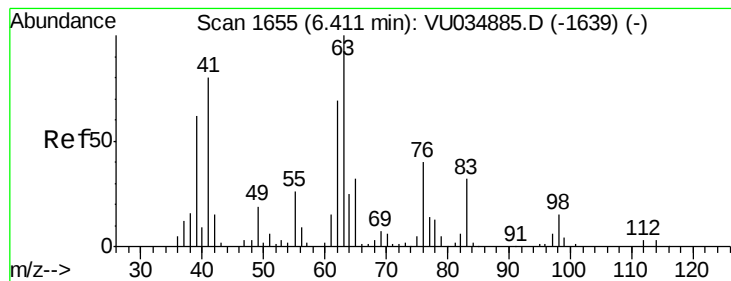


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 36.418 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

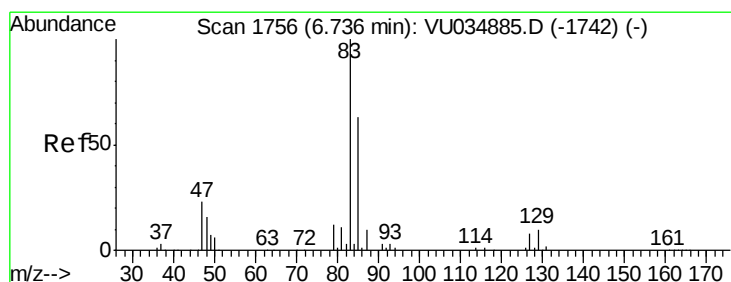
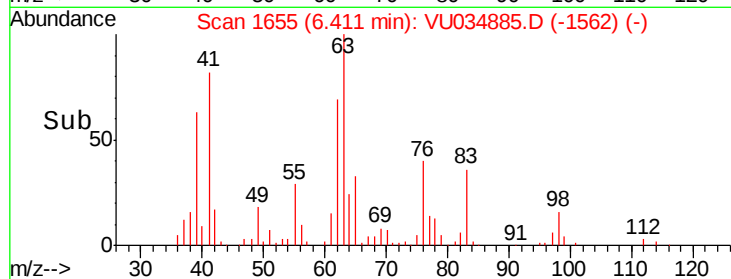
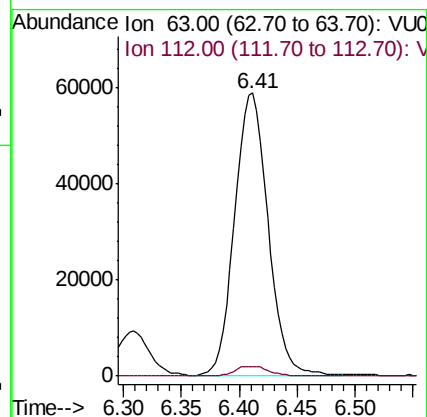
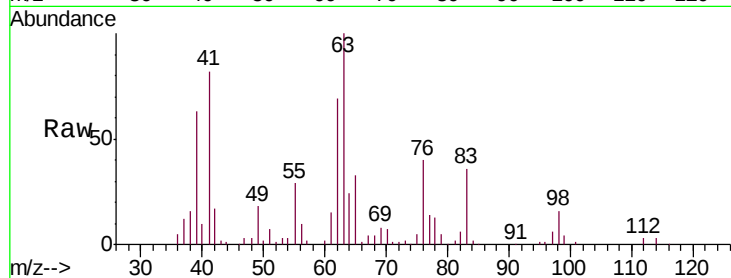
VSTD05034

Tgt Ion: 63 Resp: 117049

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 38.448 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

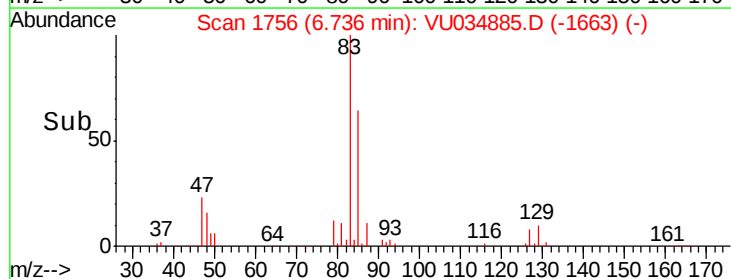
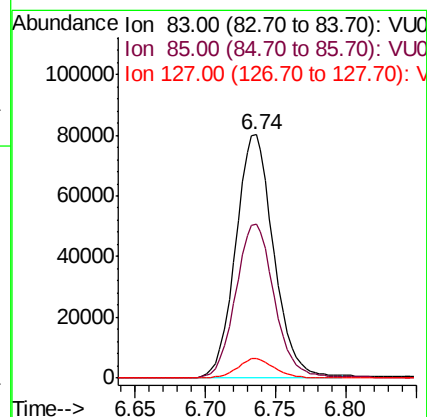
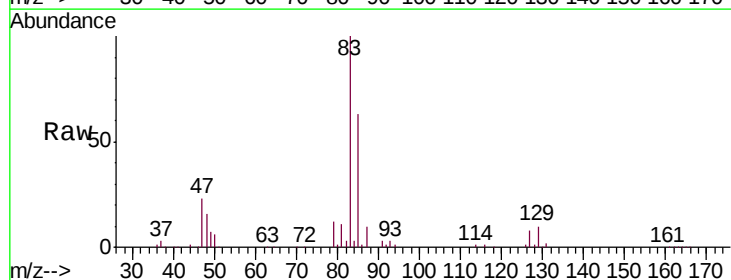
Tgt Ion: 83 Resp: 151486

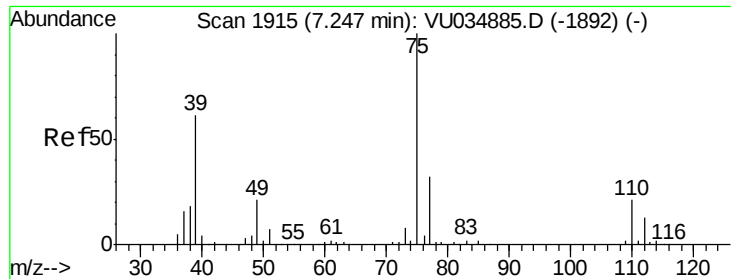
Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

127 8.2 6.6 9.8

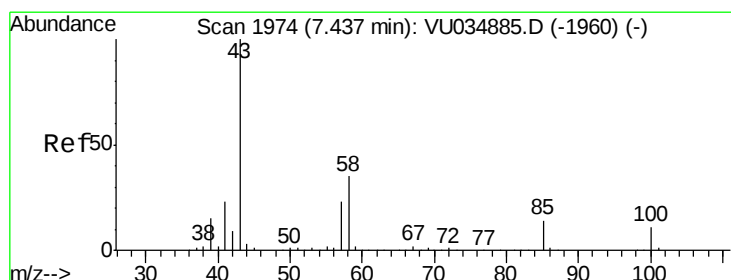
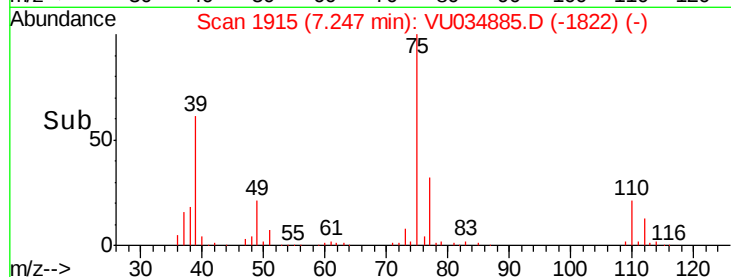
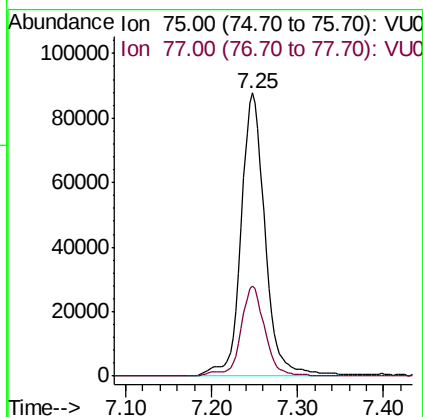
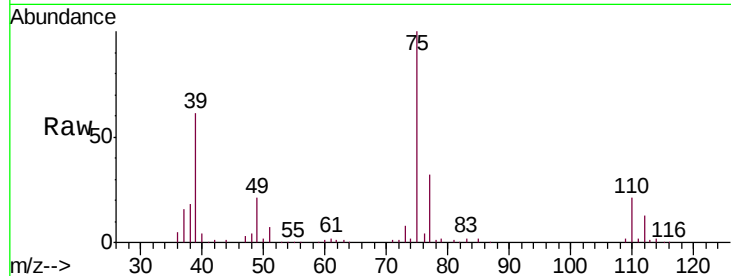




#39
 cis-1,3-Dichloropropene
 Concen: 35.321 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034885.D
 Acq: 30 Sep 2019 18:05

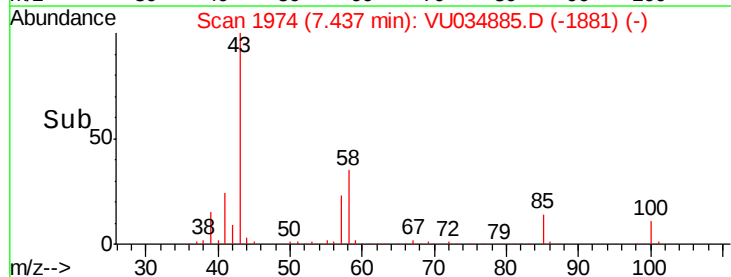
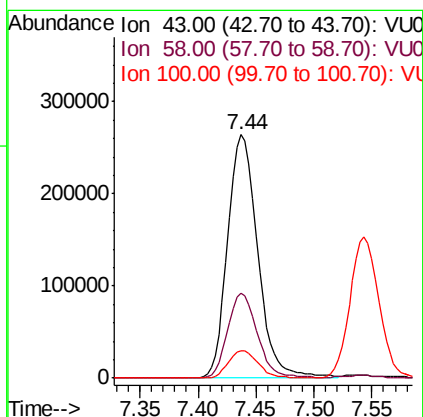
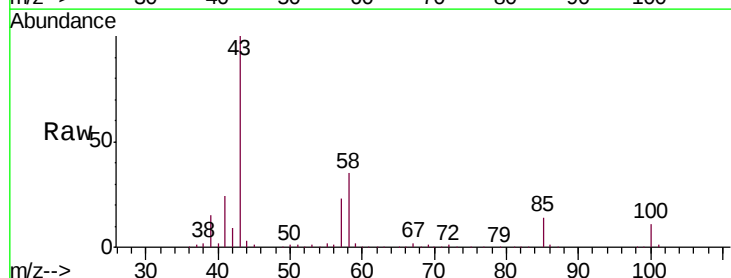
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

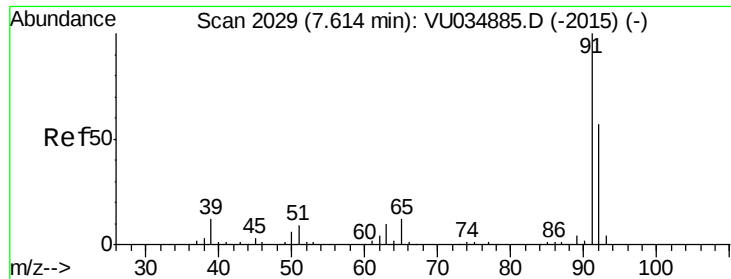
Tgt Ion: 75 Resp: 170900
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 76.329 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VU034885.D
 Acq: 30 Sep 2019 18:05

Tgt Ion: 43 Resp: 474378
 Ion Ratio Lower Upper
 43 100
 58 34.4 27.5 41.3
 100 11.3 9.0 13.6





#42

Toluene

Concen: 33.089 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

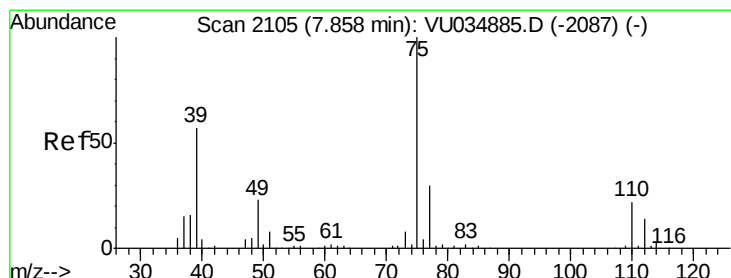
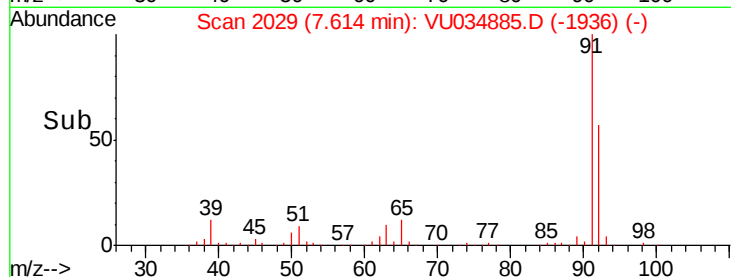
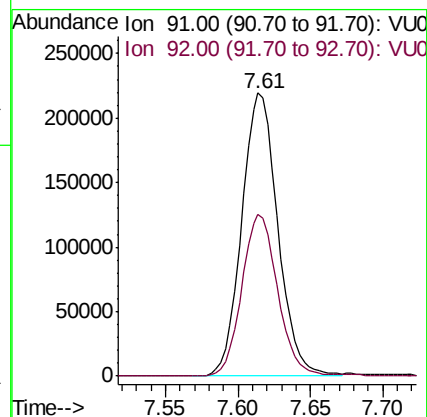
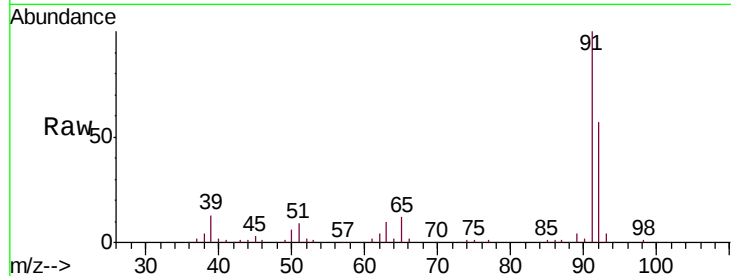
VSTD05034

Tgt Ion: 91 Resp: 379649

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 36.075 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU034885.D

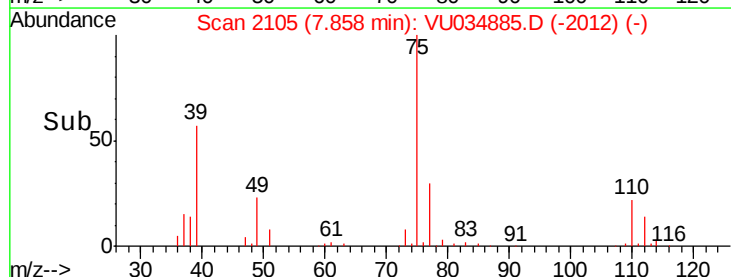
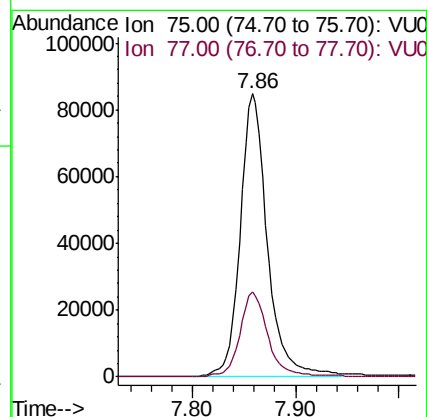
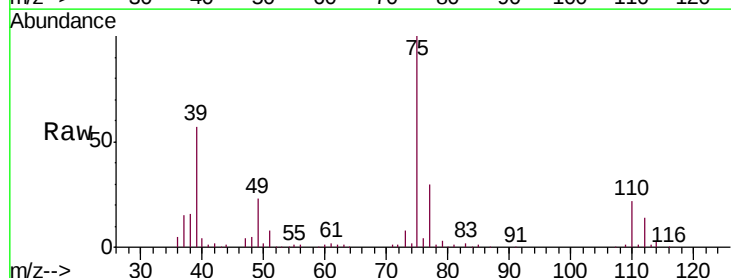
Acq: 30 Sep 2019 18:05

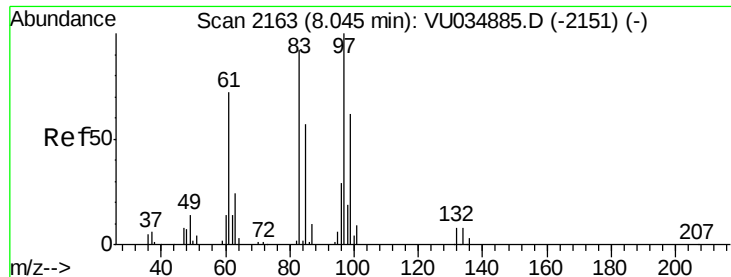
Tgt Ion: 75 Resp: 155928

Ion Ratio Lower Upper

75 100

77 30.0 21.0 39.0

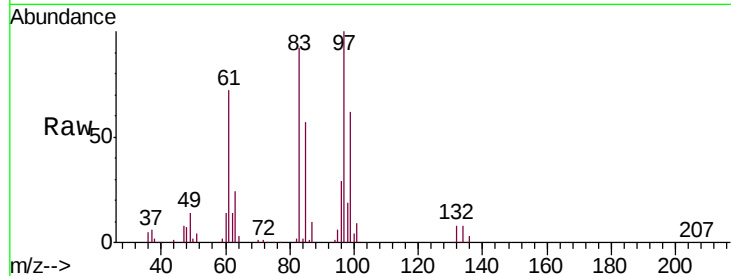




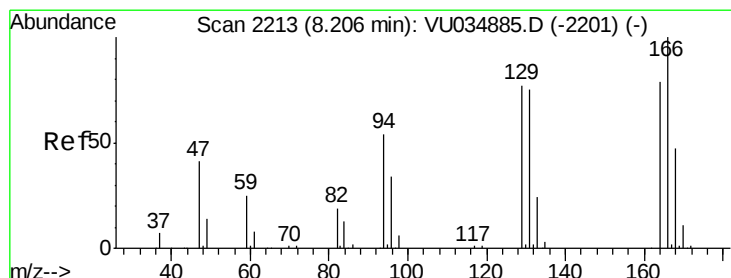
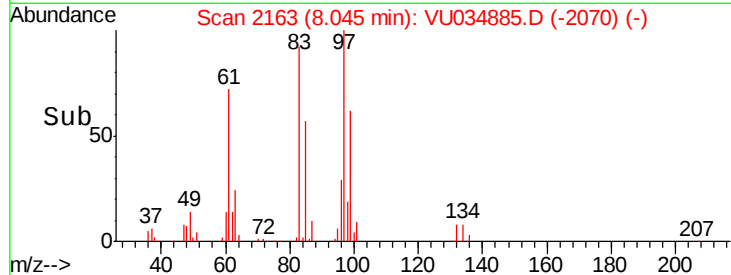
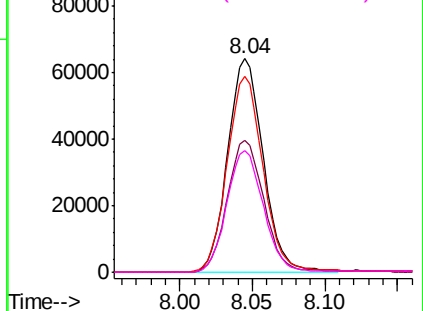
#45
 1,1,2-Trichloroethane
 Concen: 41.403 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034885.D
 Acq: 30 Sep 2019 18:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Tgt Ion:	97	Resp:	109553
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.5
83	91.9	64.3	119.5
85	57.0	39.9	74.1

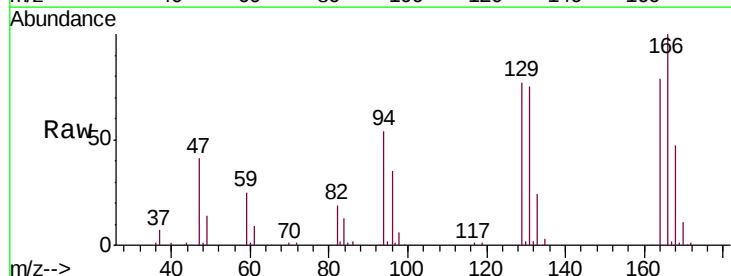


Abundance Ion 97.00 (96.70 to 97.70): VU034885.D (-2151) (-)
 Ion 99.00 (98.70 to 99.70): VU034885.D (-2151) (-)
 Ion 83.00 (82.70 to 83.70): VU034885.D (-2151) (-)
 Ion 85.00 (84.70 to 85.70): VU034885.D (-2151) (-)

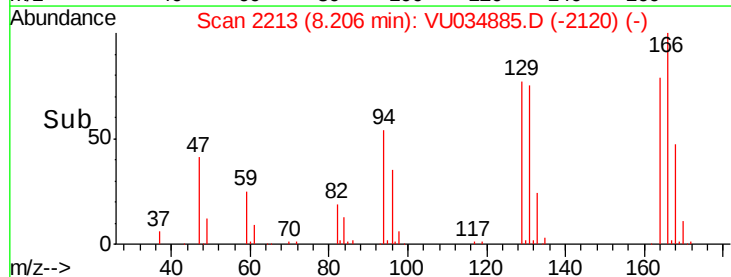
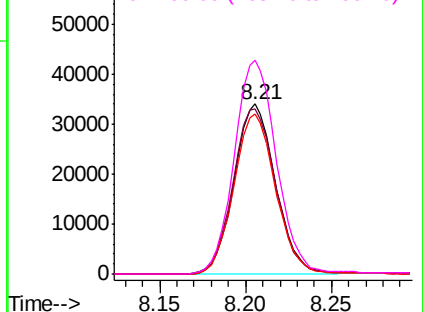


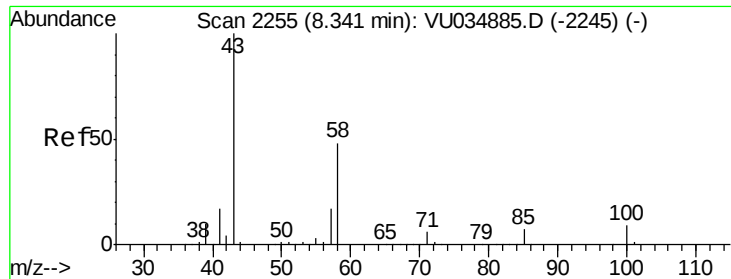
#46
 Tetrachloroethene
 Concen: 31.160 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034885.D
 Acq: 30 Sep 2019 18:05

Tgt Ion:	164	Resp:	57133
Ion	Ratio	Lower	Upper
164	100		
129	97.5	68.3	126.8
131	94.6	66.2	123.0
166	125.8	88.1	163.5



Abundance Ion 164.00 (163.70 to 164.70): VU034885.D (-2201) (-)
 Ion 129.00 (128.70 to 129.70): VU034885.D (-2201) (-)
 Ion 131.00 (130.70 to 131.70): VU034885.D (-2201) (-)
 Ion 166.00 (165.70 to 166.70): VU034885.D (-2201) (-)

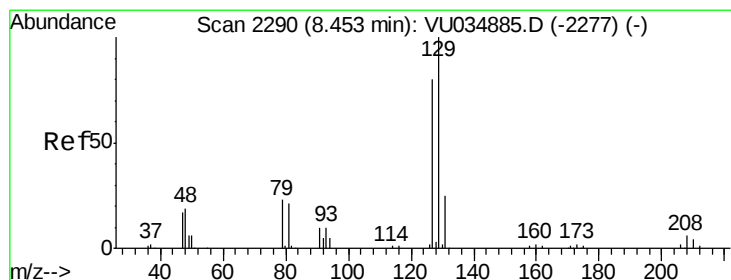
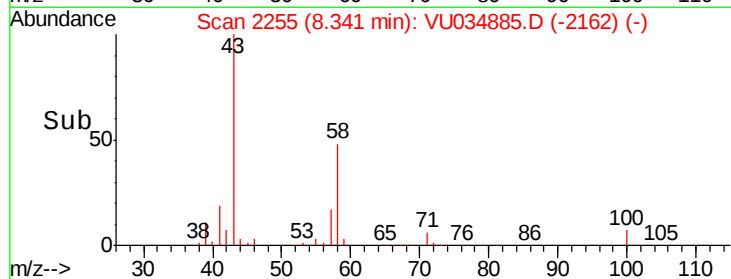
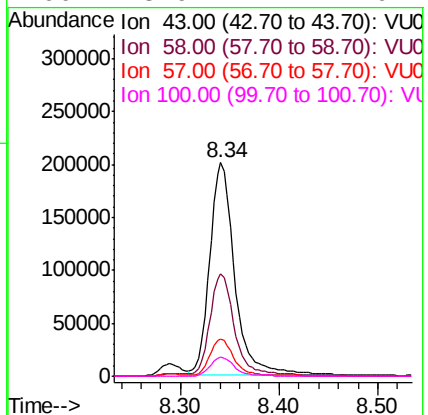
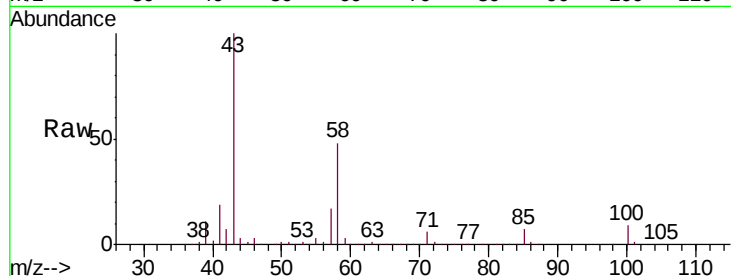




#48
2-Hexanone
Concen: 73.401 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

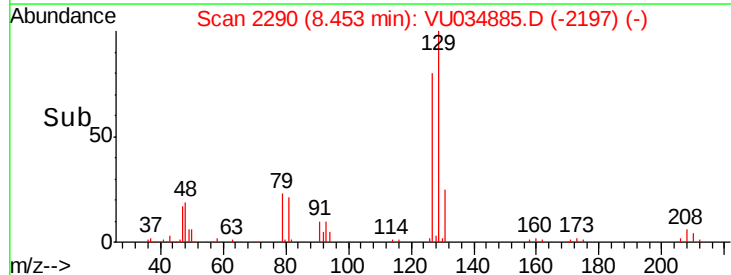
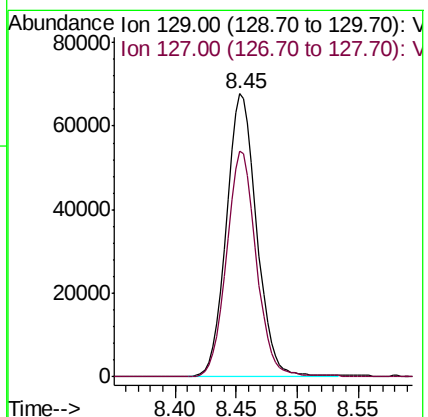
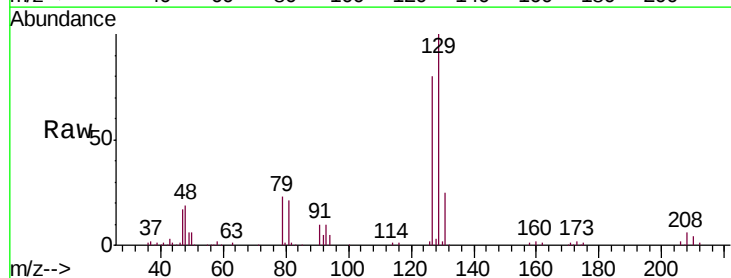
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

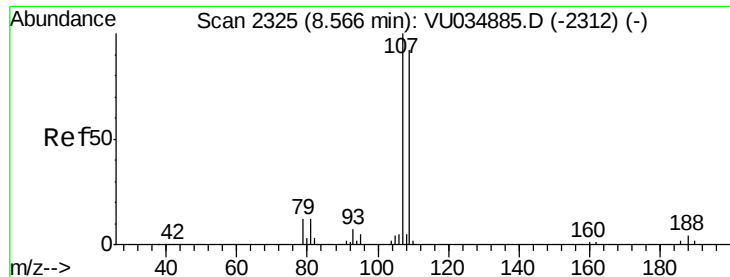
Tgt Ion: 43 Resp: 353523
Ion Ratio Lower Upper
43 100
58 47.3 37.8 56.8
57 16.7 13.4 20.0
100 8.9 7.1 10.7



#49
Dibromochloromethane
Concen: 40.387 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

Tgt Ion: 129 Resp: 118218
Ion Ratio Lower Upper
129 100
127 79.7 55.8 103.6

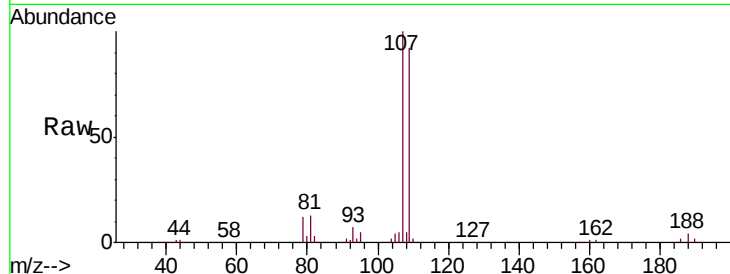




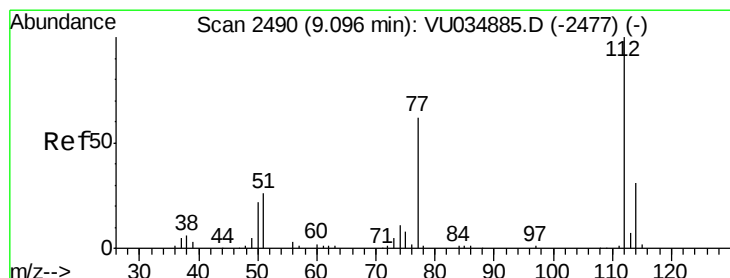
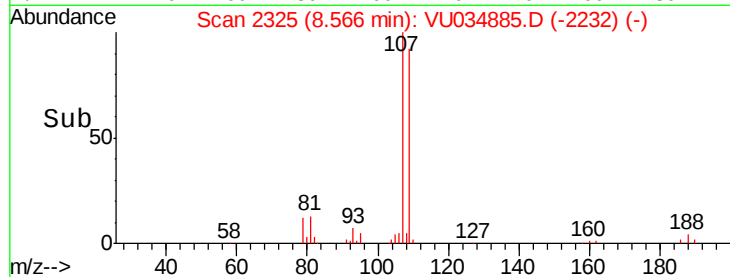
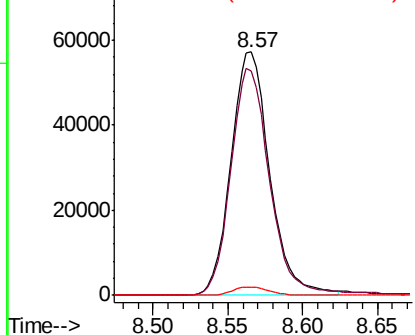
#50
1,2-Dibromoethane
Concen: 37.136 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Tgt Ion:107 Resp: 103331
Ion Ratio Lower Upper
107 100
109 92.3 64.6 120.0
188 3.5 2.8 4.2

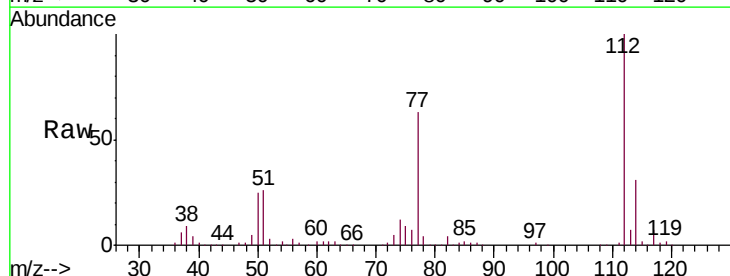


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

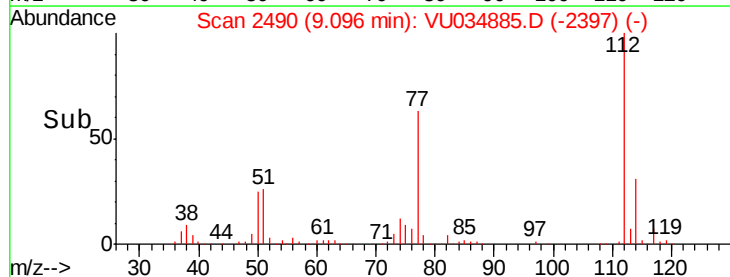
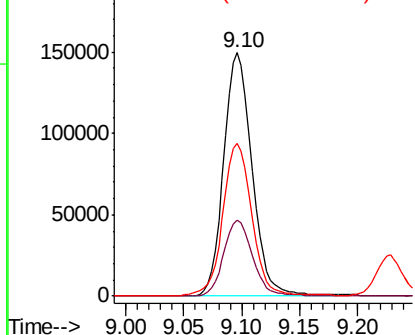


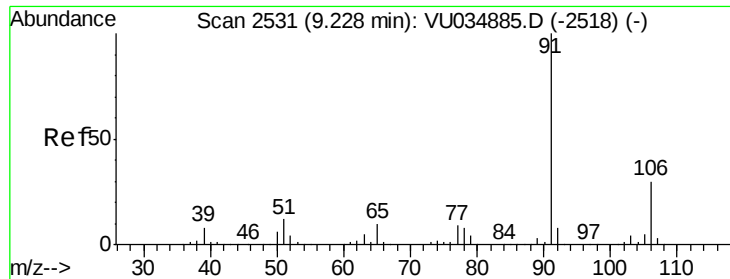
#51
Chlorobenzene
Concen: 35.747 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034885.D
Acq: 30 Sep 2019 18:05

Tgt Ion:112 Resp: 253488
Ion Ratio Lower Upper
112 100
114 31.0 21.7 40.3
77 62.6 50.1 75.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 33.891 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

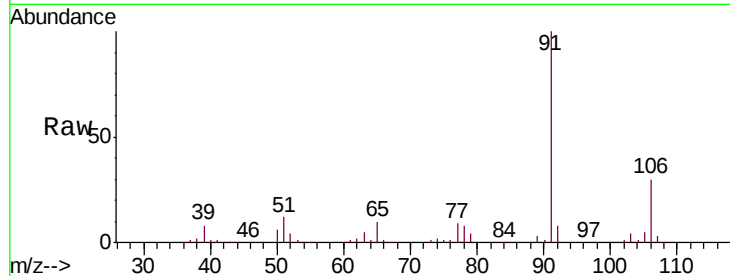
VSTD05034

Tgt Ion: 91 Resp: 441490

Ion Ratio Lower Upper

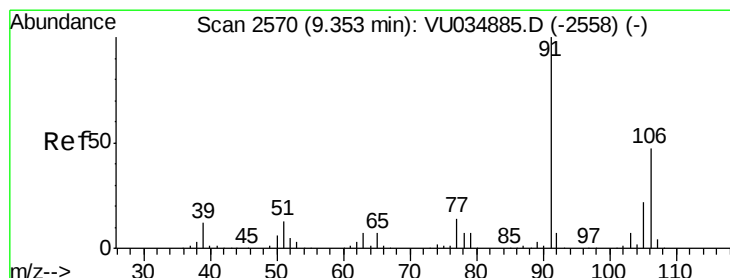
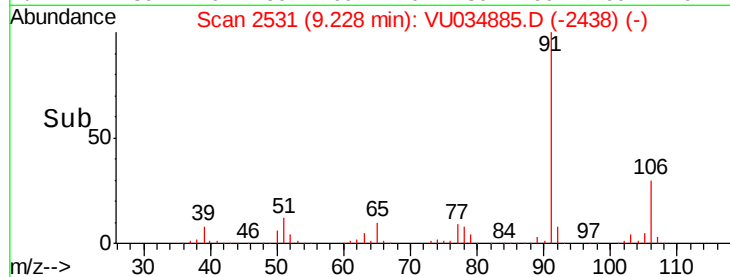
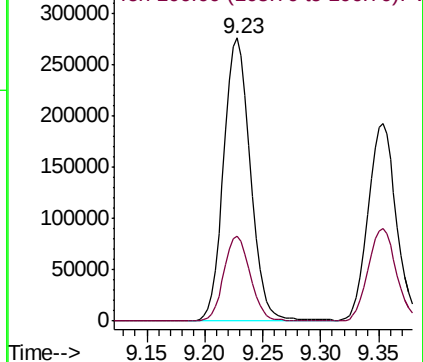
91 100

106 29.9 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 33.250 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034885.D

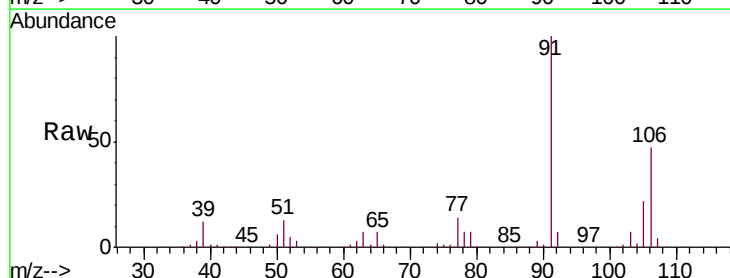
Acq: 30 Sep 2019 18:05

Tgt Ion: 106 Resp: 152544

Ion Ratio Lower Upper

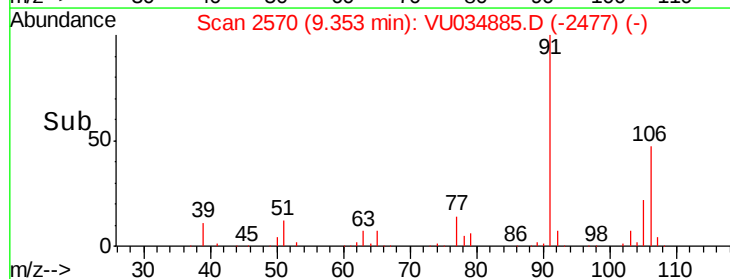
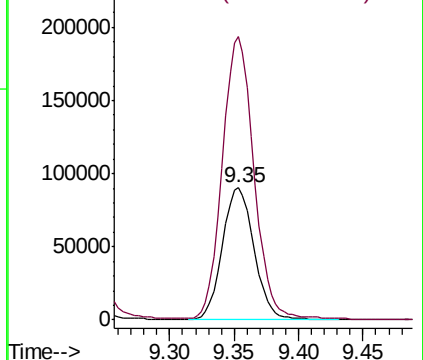
106 100

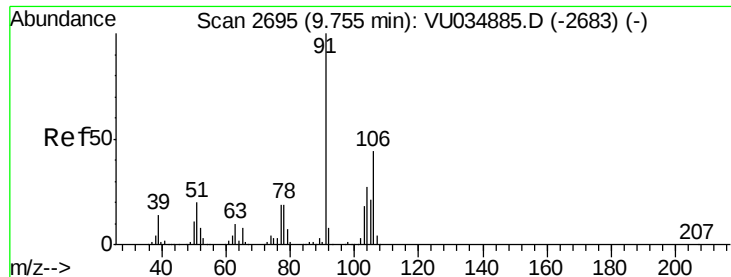
91 214.5 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#54

o-xylene

Concen: 35.711 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

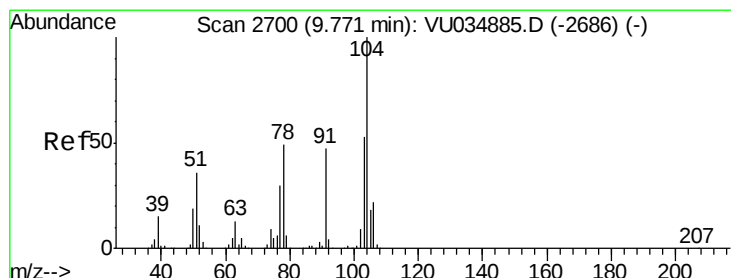
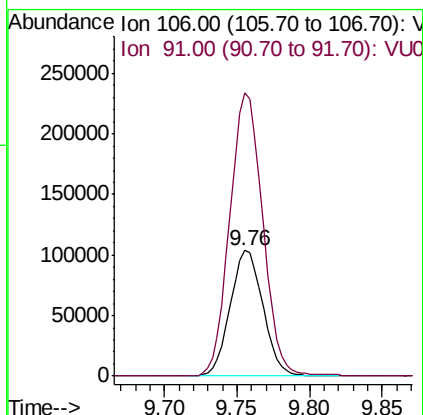
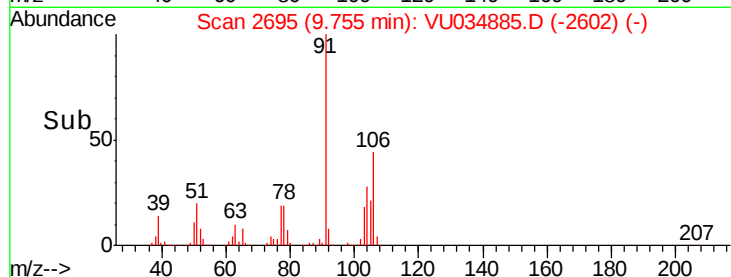
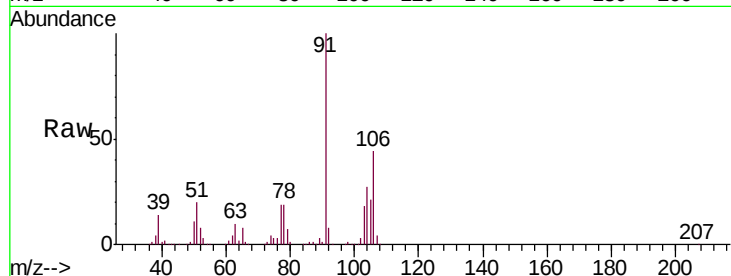
VSTD05034

Tgt Ion:106 Resp: 163735

Ion Ratio Lower Upper

106 100

91 225.4 157.8 293.0



#55

Styrene

Concen: 36.861 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU034885.D

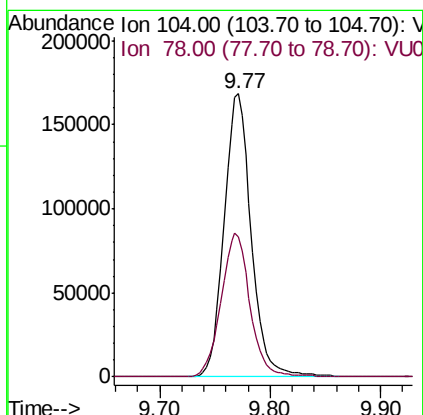
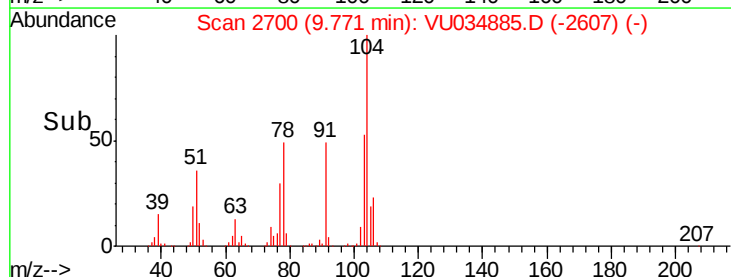
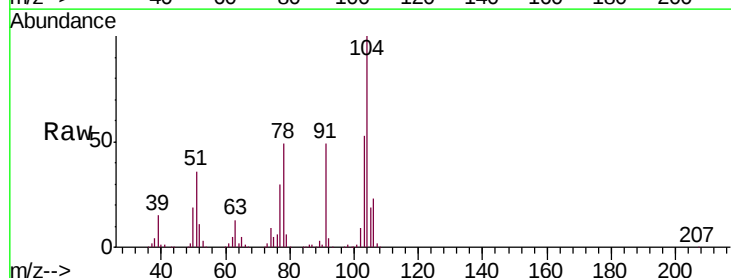
Acq: 30 Sep 2019 18:05

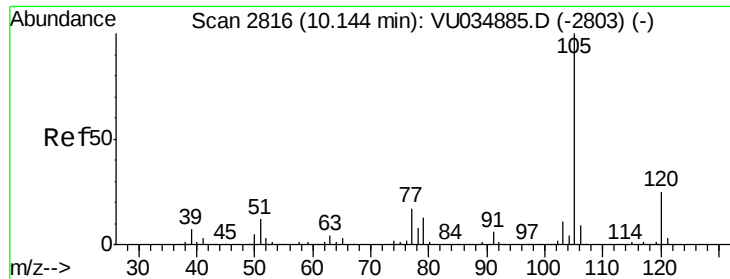
Tgt Ion:104 Resp: 287623

Ion Ratio Lower Upper

104 100

78 49.4 34.6 64.2





#56

Isopropylbenzene

Concen: 36.435 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

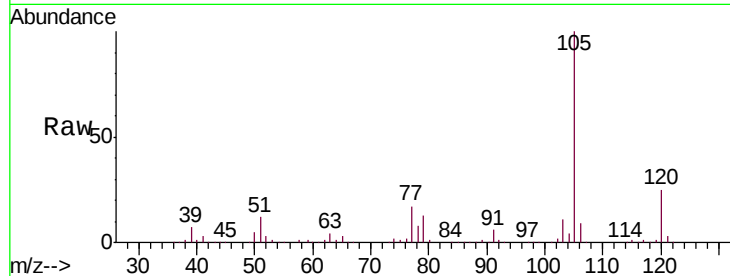
Tgt Ion: 105 Resp: 453528

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.4

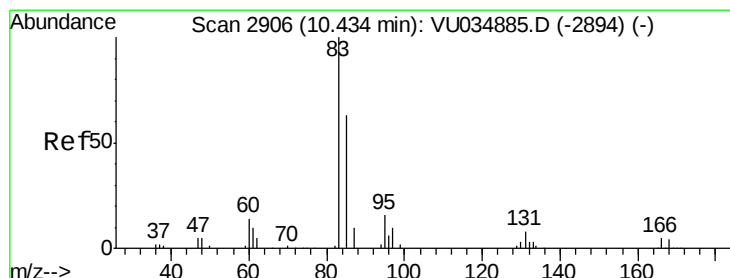
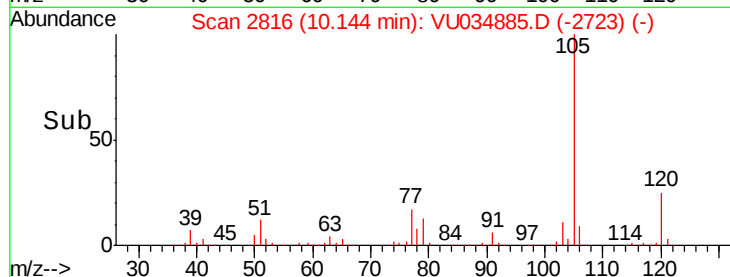
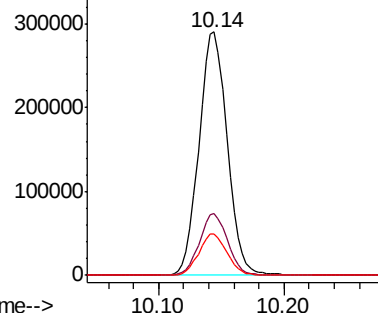
77 17.1 13.7 20.5



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: 42.564 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

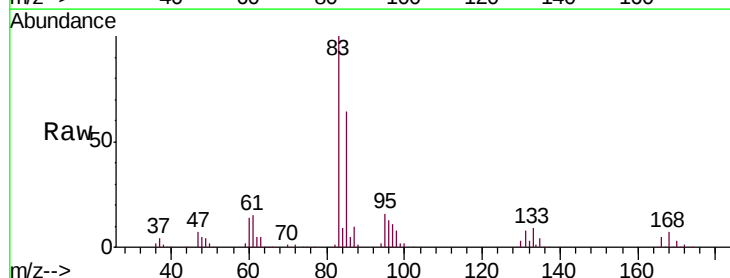
Tgt Ion: 83 Resp: 217700

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

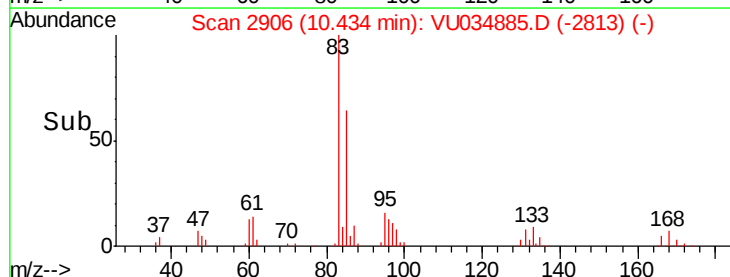
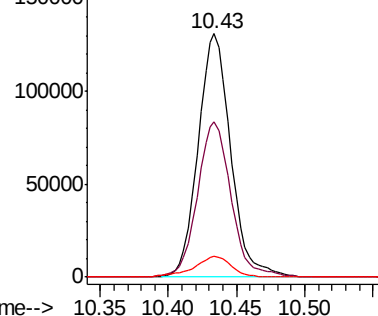
131 8.5 6.8 10.2

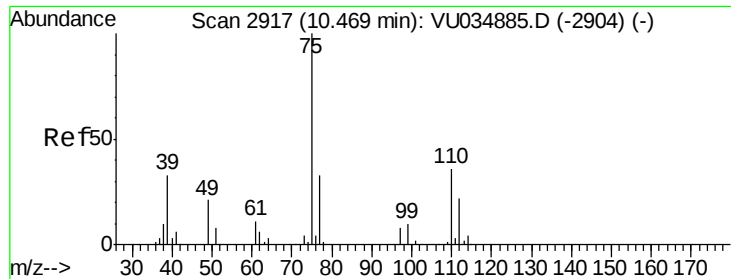


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 41.611 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

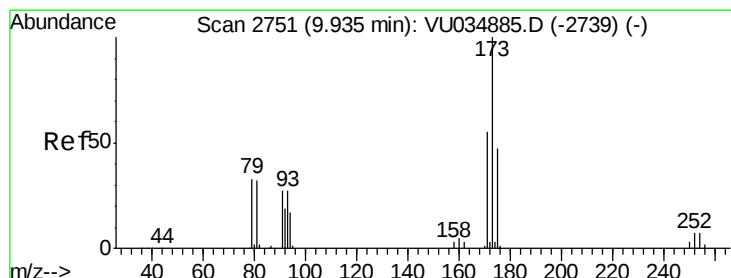
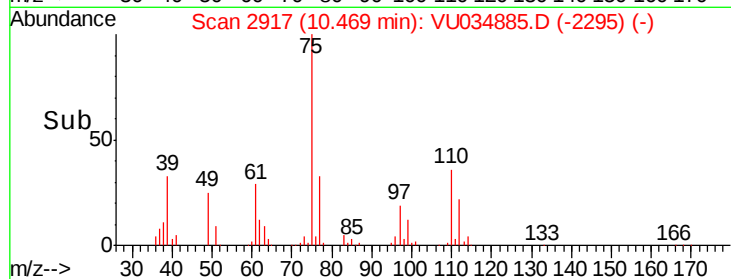
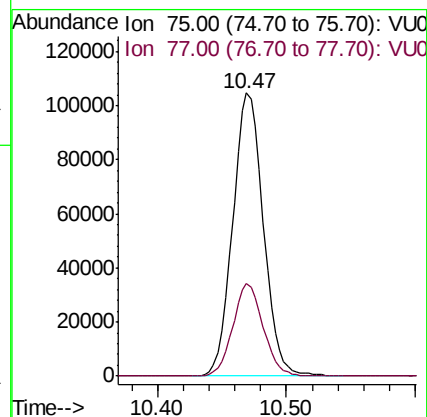
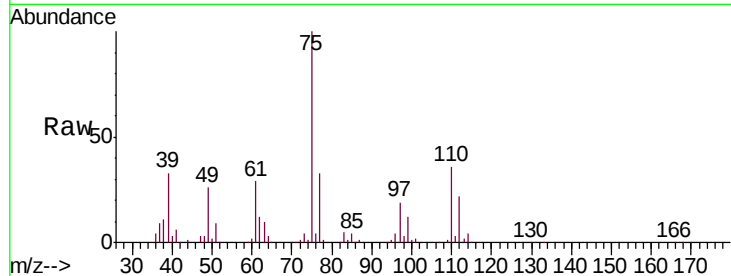
VSTD05034

Tgt Ion: 75 Resp: 172374

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#61

Bromoform

Concen: 41.960 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

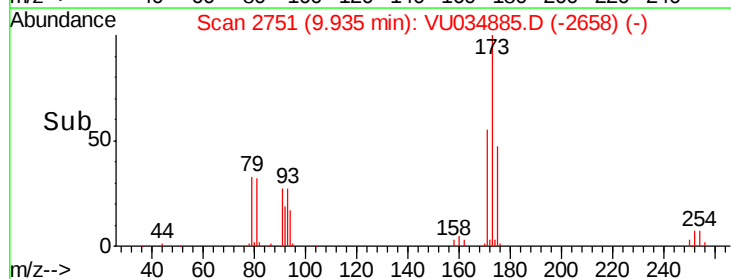
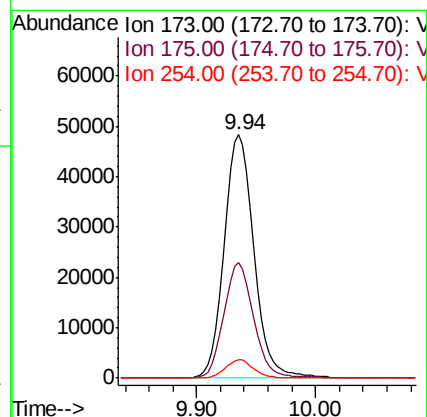
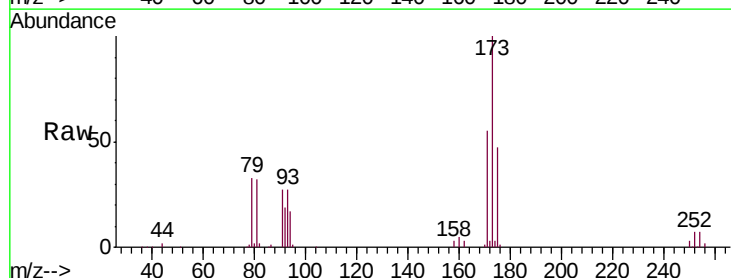
Tgt Ion: 173 Resp: 83858

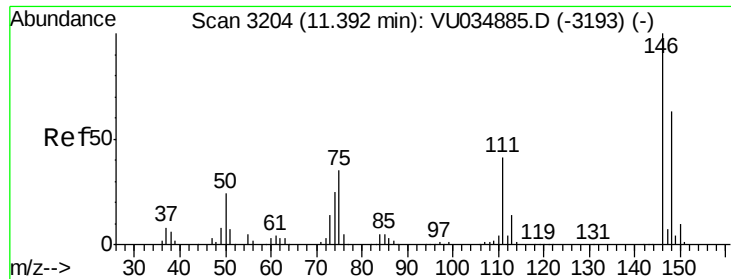
Ion Ratio Lower Upper

173 100

175 47.1 37.7 56.5

254 6.9 5.5 8.3





#62

1,3-Dichlorobenzene

Concen: 39.827 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

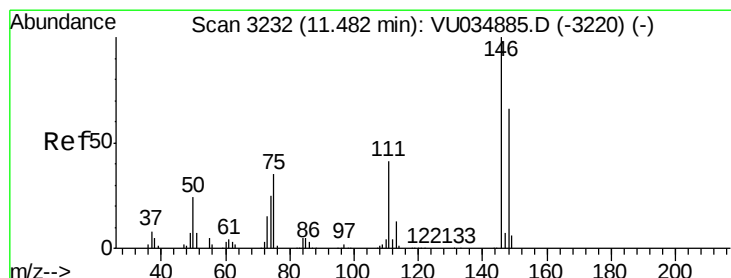
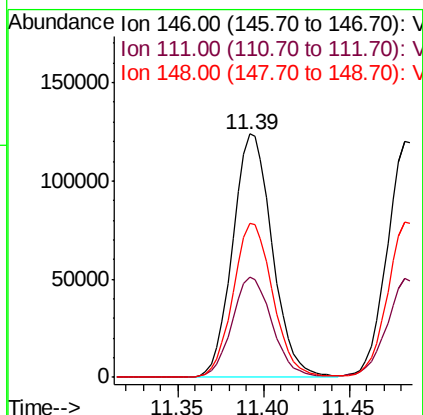
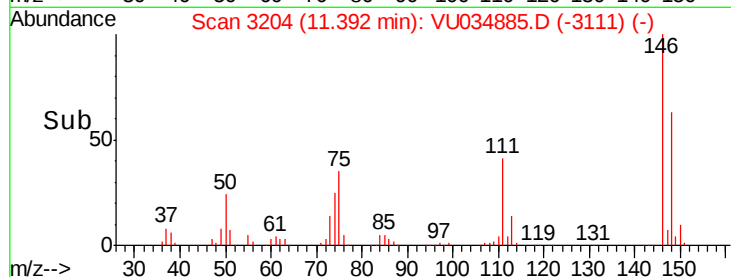
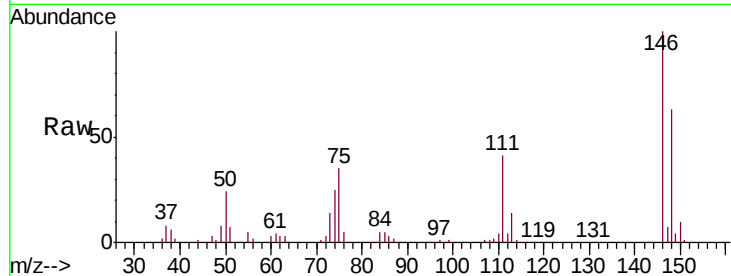
Tgt Ion:146 Resp: 199632

Ion Ratio Lower Upper

146 100

111 41.3 28.9 53.7

148 63.2 44.2 82.2



#63

1,4-Dichlorobenzene

Concen: 38.981 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

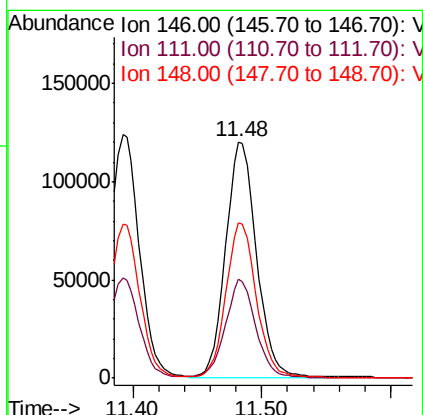
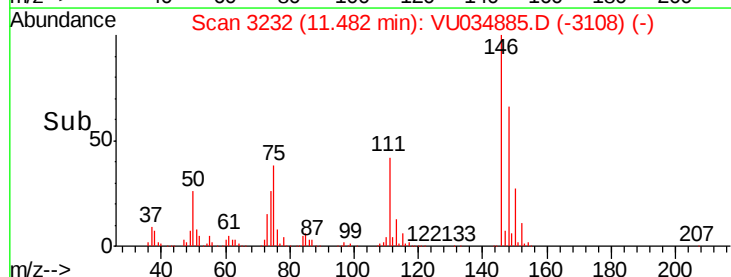
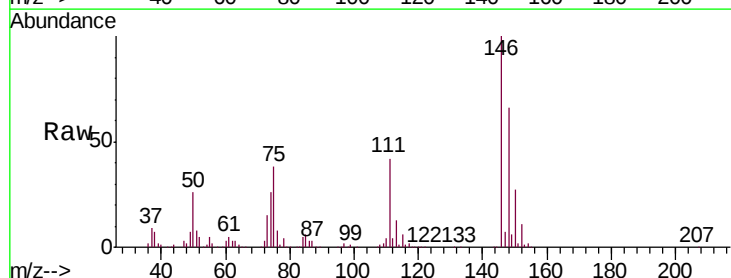
Tgt Ion:146 Resp: 198697

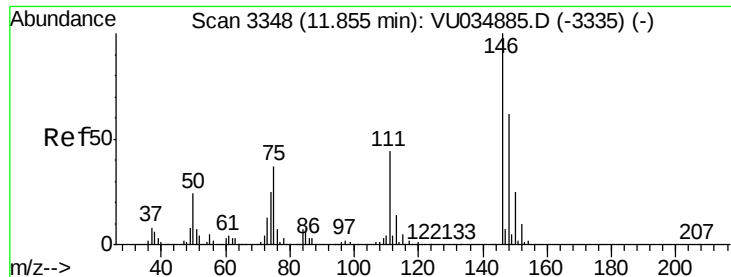
Ion Ratio Lower Upper

146 100

111 41.7 29.2 54.2

148 65.8 46.1 85.5

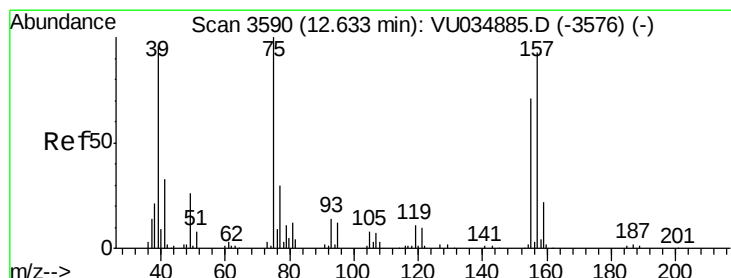
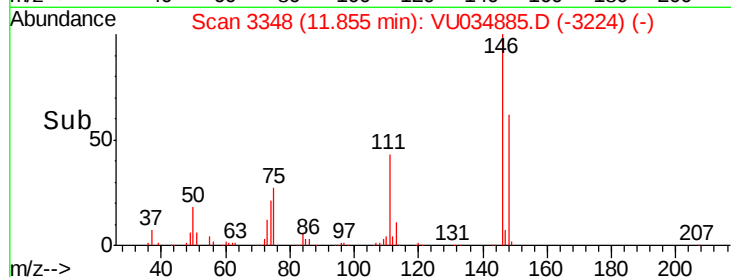
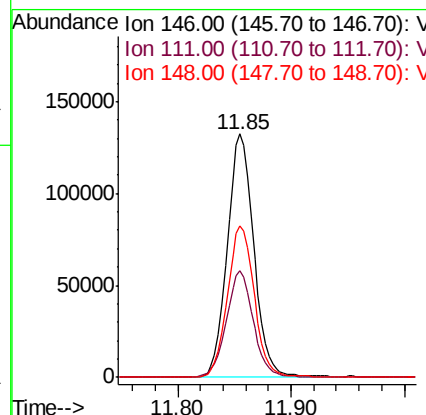
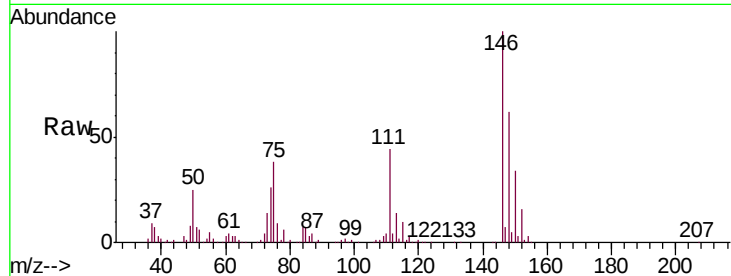




#65
 1,2-Dichlorobenzene
 Concen: 42.057 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034885.D
 Acq: 30 Sep 2019 18:05

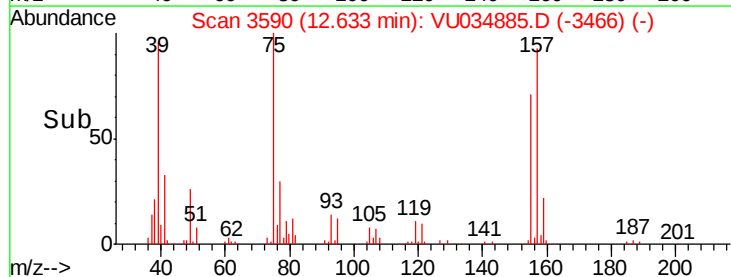
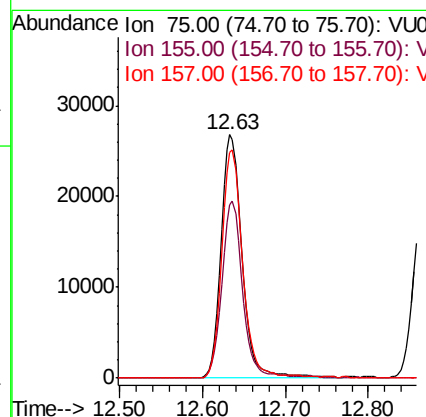
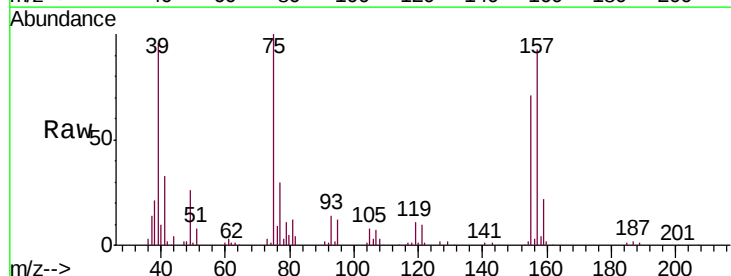
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

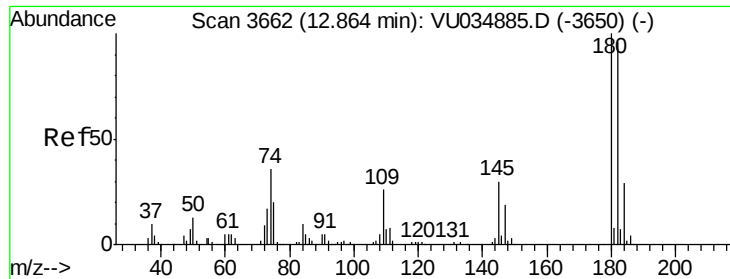
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	34.9	52.3
148	62.5	50.0	75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.059 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: VU034885.D
 Acq: 30 Sep 2019 18:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	57.0	85.6
157	92.8	74.2	111.4

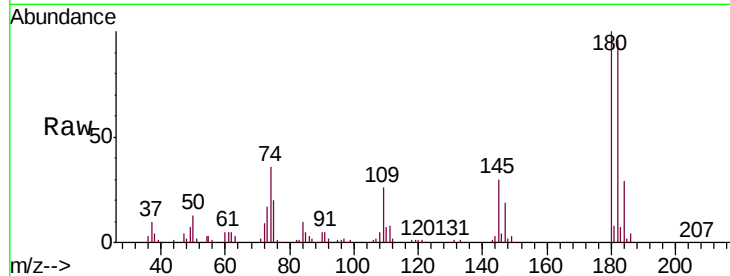




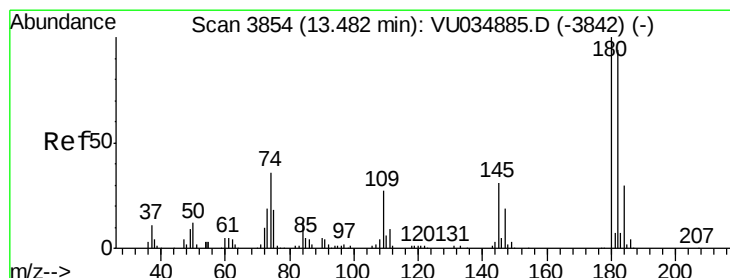
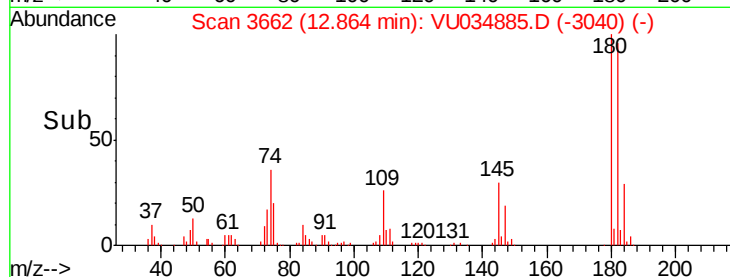
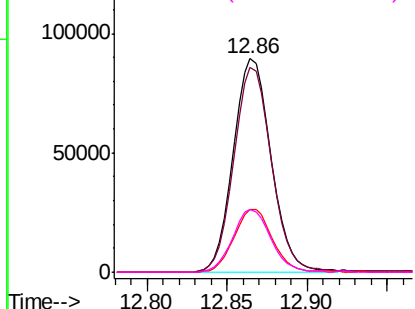
#67
 1,3,5-Trichlorobenzene
 Concen: 42.314 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034885.D
 Acq: 30 Sep 2019 18:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Tgt Ion:180 Resp: 144113
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.2
 184 29.7 23.8 35.6
 145 29.7 23.8 35.6

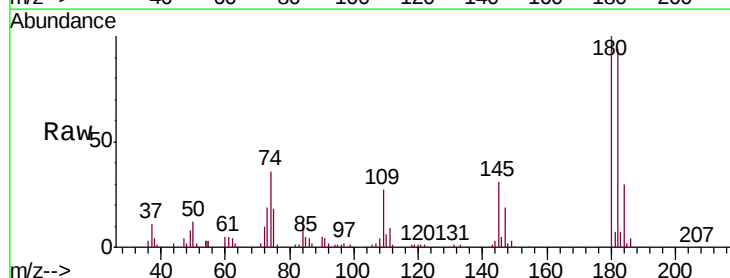


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

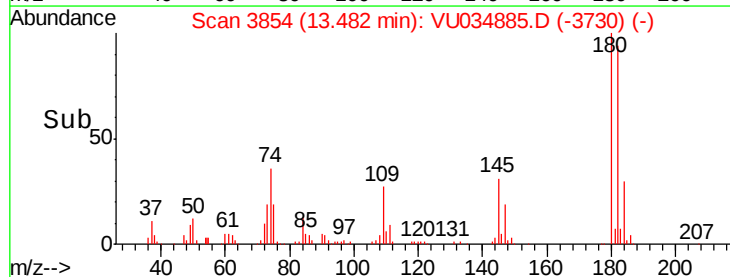
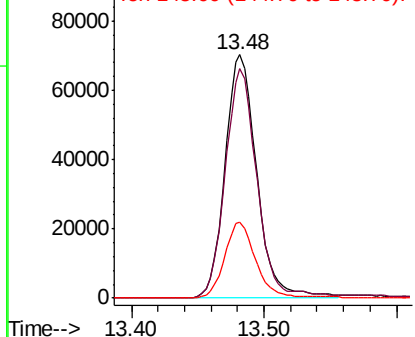


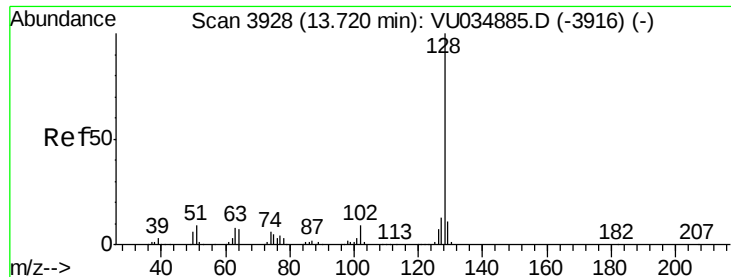
#68
 1,2,4-trichlorobenzene
 Concen: 43.991 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034885.D
 Acq: 30 Sep 2019 18:05

Tgt Ion:180 Resp: 117109
 Ion Ratio Lower Upper
 180 100
 182 91.8 73.4 110.2
 145 30.5 24.4 36.6



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: 42.070 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

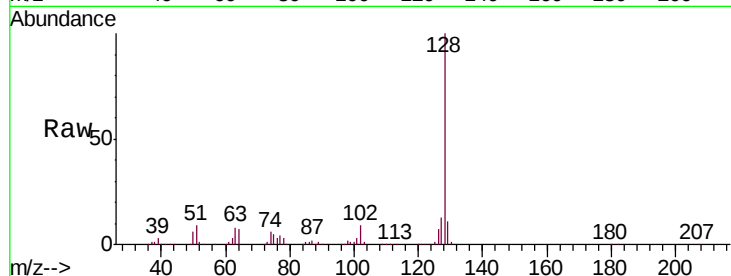
Tgt Ion:128 Resp: 386314

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

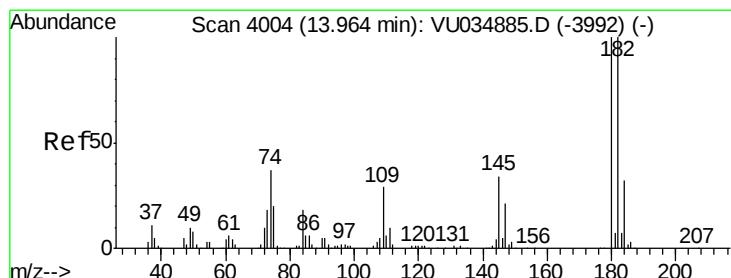
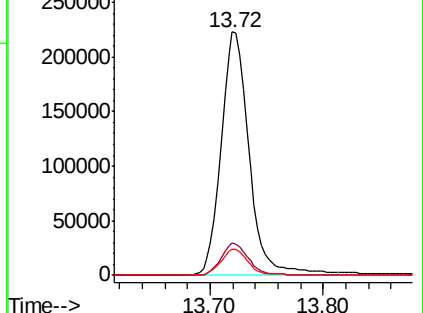
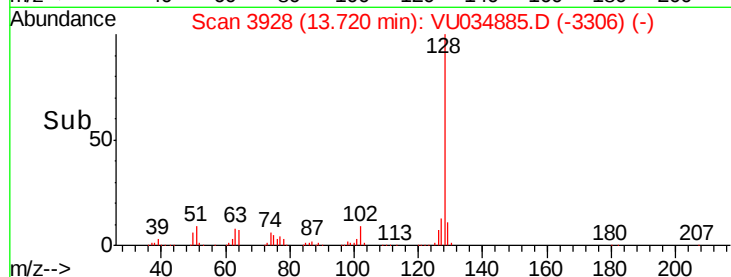
129 10.6 8.5 12.7



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: 43.963 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. 0.00 min

Lab File: VU034885.D

Acq: 30 Sep 2019 18:05

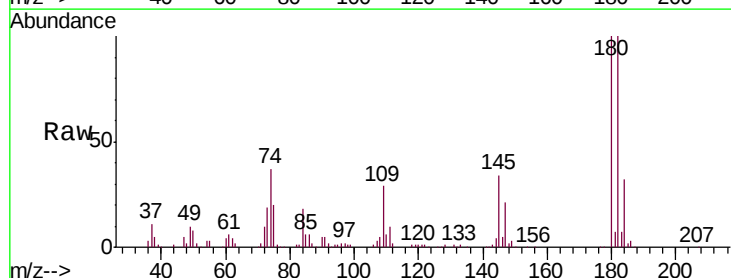
Tgt Ion:180 Resp: 121882

Ion Ratio Lower Upper

180 100

182 97.1 77.7 116.5

145 32.5 26.0 39.0



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

