

Data File : VU035485.D
Acq On : 25 Oct 2019 13:47
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Quant Time: Oct 26 00:00:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 23:56:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	228105	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	248022	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	127468	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	145082	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.93	69	117579	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.60	63	233586	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	4.70	46	292766	48.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.52%
24) Chloroform-d	5.11	84	216070	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.75	65	110563	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.77	84	433792	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.74	67	139710	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.93	98	396986	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	8.21	79	55798	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.68	63	219483	51.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.64%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	112621	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	128299	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	141425	4.589	ug/L 99
3) Chloromethane	1.54	50	170620	4.738	ug/L 99
5) Vinyl chloride	1.62	62	167418	4.694	ug/L 95
6) Bromomethane	1.87	94	88539	4.771	ug/L 99
8) Chloroethane	1.95	64	97673	4.644	ug/L 100
9) Trichlorofluoromethane	2.16	101	190438	4.609	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	107553	4.621	ug/L 100
12) 1,1-Dichloroethene	2.61	96	102048	4.702	ug/L 97
13) Acetone	2.67	43	202128	44.322	ug/L 98
14) Carbon disulfide	2.82	76	358122	4.663	ug/L 100
15) Methyl Acetate	3.00	43	49741	4.758	ug/L 98
16) Methylene chloride	3.08	84	123122	4.379	ug/L 97
17) Methyl tert-butyl Ether	3.43	73	250213	4.767	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	111203	4.709	ug/L 98
19) 1,1-Dichloroethane	3.92	63	218486	4.689	ug/L 99
21) 2-Butanone	4.78	43	316003	47.758	ug/L 98
22) cis-1,2-Dichloroethene	4.72	96	120393	4.779	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	52565	4.512	ug/L	95
25) Chloroform	5.14	83	218165	4.415	ug/L	100
27) 1,2-Dichloroethane	5.84	62	135118	4.633	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	177436	4.761	ug/L	99
30) Cyclohexane	5.43	56	189182	4.969	ug/L	98
31) Carbon tetrachloride	5.57	117	157024	4.722	ug/L	100
33) Benzene	5.82	78	476704	4.826	ug/L	100
34) Trichloroethene	6.58	95	114450	4.716	ug/L	98
35) Methylcyclohexane	6.80	83	183760	4.893	ug/L	98
37) 1,2-Dichloropropane	6.84	63	122561	4.696	ug/L	99
38) Bromodichloromethane	7.15	83	150146	4.637	ug/L	97
39) cis-1,3-Dichloropropene	7.65	75	172989	4.762	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	765133	49.513	ug/L	100
42) Toluene	8.01	91	494174	4.901	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	140527	4.890	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	84749	4.676	ug/L	99
47) Tetrachloroethene	8.58	164	94356	4.735	ug/L	98
48) 2-Hexanone	8.73	43	562492	54.125	ug/L	98
49) Dibromochloromethane	8.84	129	101241	4.774	ug/L	99
50) 1,2-Dibromoethane	8.96	107	80797	4.796	ug/L	99
51) Chlorobenzene	9.48	112	307539	4.841	ug/L	99
52) Ethylbenzene	9.60	91	514556	4.885	ug/L	99
53) m,p-Xylene	9.72	106	191032	4.967	ug/L	100
54) o-Xylene	10.13	106	188406	5.028	ug/L	100
55) Styrene	10.14	104	314874	5.145	ug/L	99
56) Isopropylbenzene	10.51	105	489871	5.006	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	112006	4.725	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	80532	4.815	ug/L	95
61) Bromoform	10.32	173	59089	4.772	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	217883	5.005	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	213133	4.921	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	204620	4.893	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	13786	4.911	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	129084	4.801	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	74290	4.969	ug/L	97
69) Naphthalene	14.11	128	101356	4.965	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	77618	5.210	ug/L	98

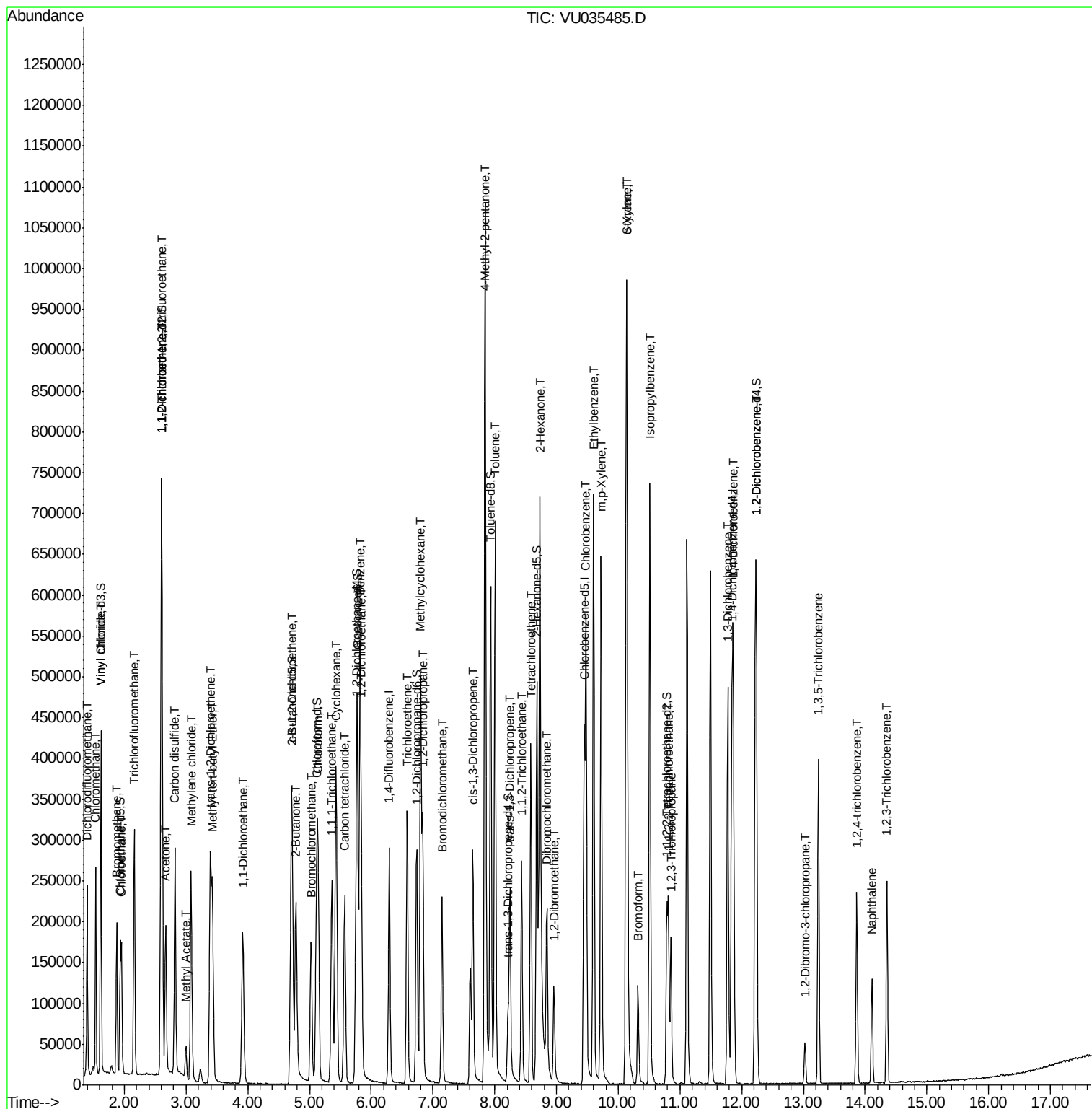
(#) = qualifier out of range (m) = manual integration (+) = signals summed

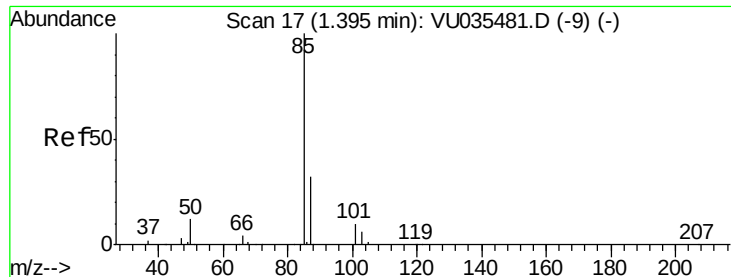
Data File : VU035485.D

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Acq On       : 25 Oct 2019   13:47
Operator    : JC/SP
Sample      : VSTDCCC005
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ALS Vial    : 10      Sample Multiplier: 1
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#2

Dichlorodifluoromethane

Concen: 4.589 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

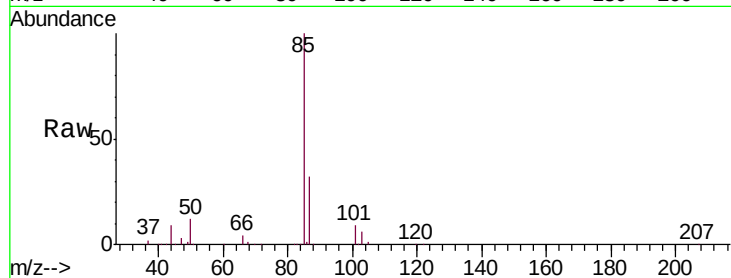
VSTD00555

Tgt Ion: 85 Resp: 141425

Ion Ratio Lower Upper

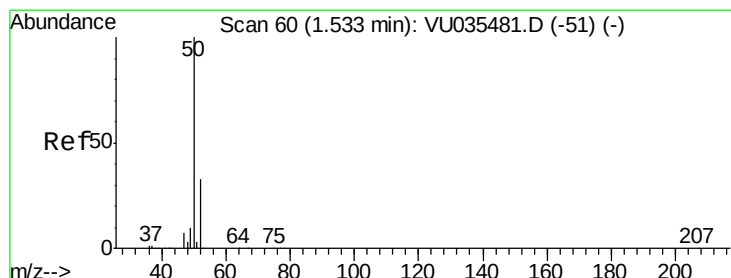
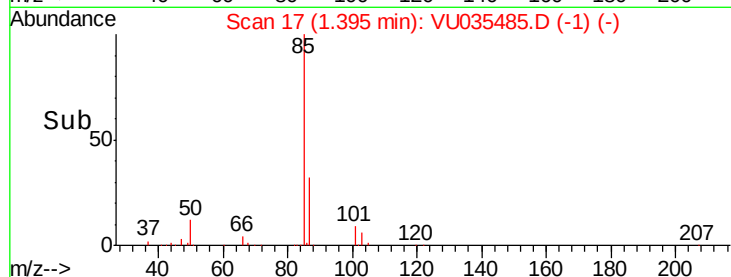
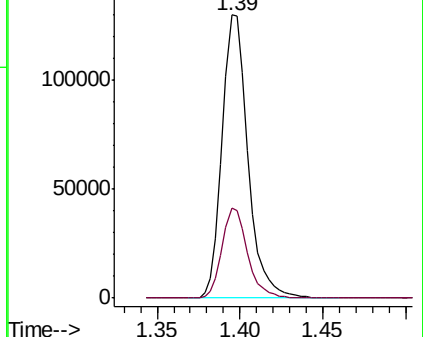
85 100

87 31.5 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU035485.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035485.D (-9) (-)



#3

Chloromethane

Concen: 4.738 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035485.D

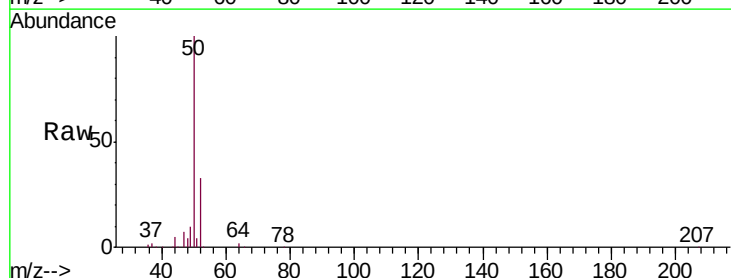
Acq: 25 Oct 2019 13:47

Tgt Ion: 50 Resp: 170620

Ion Ratio Lower Upper

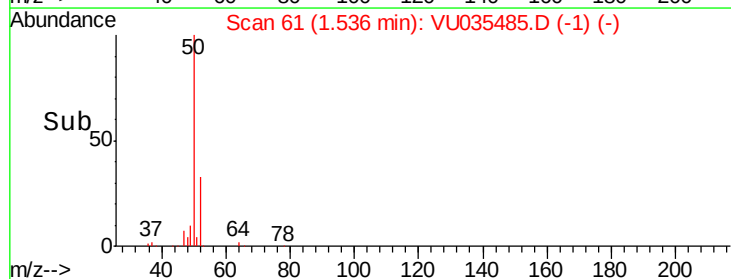
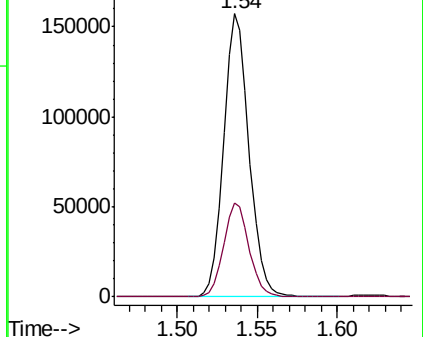
50 100

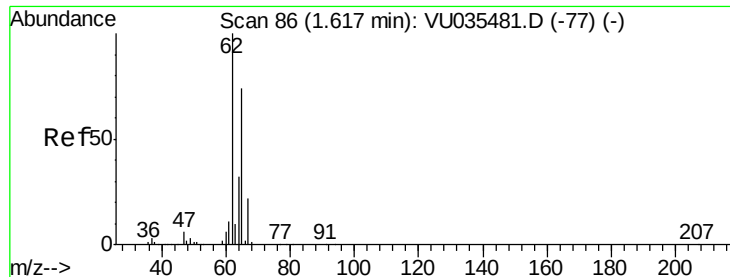
52 33.1 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035485.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035485.D (-51) (-)





#5

Vinyl chloride

Concen: 4.694 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

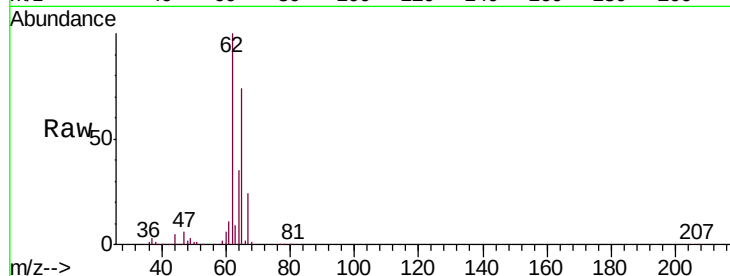
VSTD00555

Tgt Ion: 62 Resp: 167418

Ion Ratio Lower Upper

62 100

64 34.8 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035485.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035485.D (-1) (-)

1.62

150000

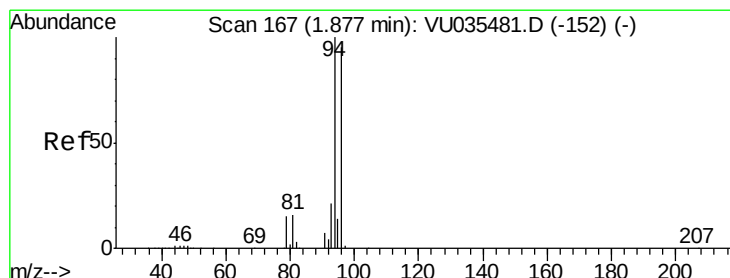
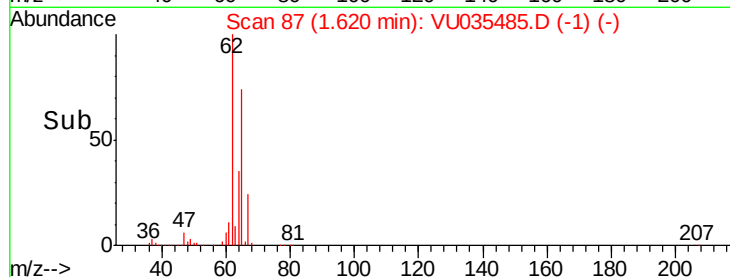
100000

50000

0

Time-->

1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 4.771 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035485.D

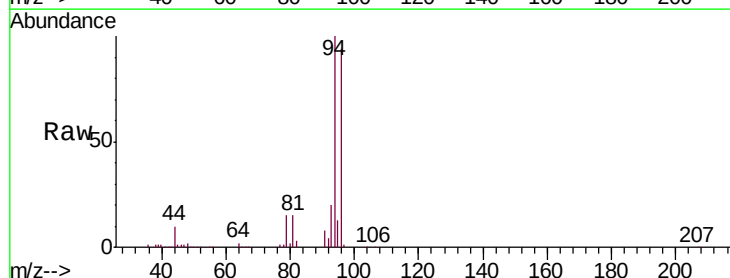
Acq: 25 Oct 2019 13:47

Tgt Ion: 94 Resp: 88539

Ion Ratio Lower Upper

94 100

96 94.0 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU035485.D (-74) (-)

Ion 96.00 (95.70 to 96.70): VU035485.D (-74) (-)

1.87

60000

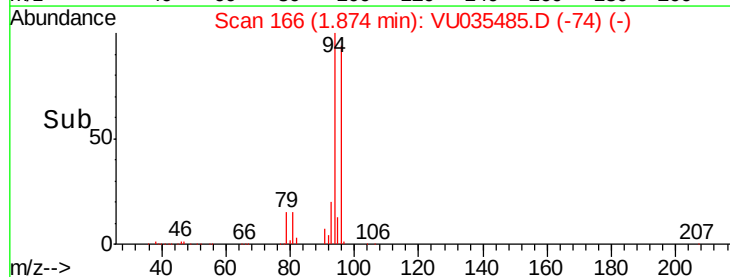
40000

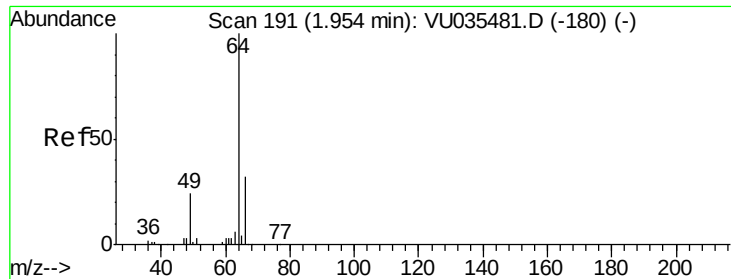
20000

0

Time-->

1.80 1.85 1.90 1.95

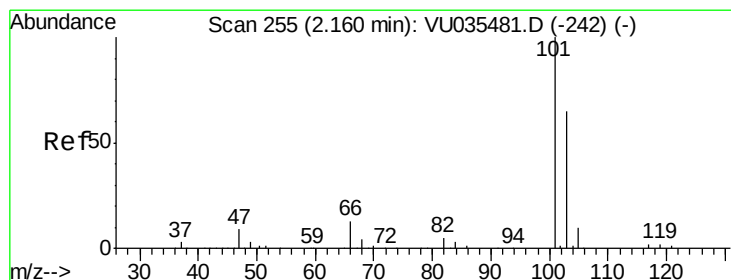
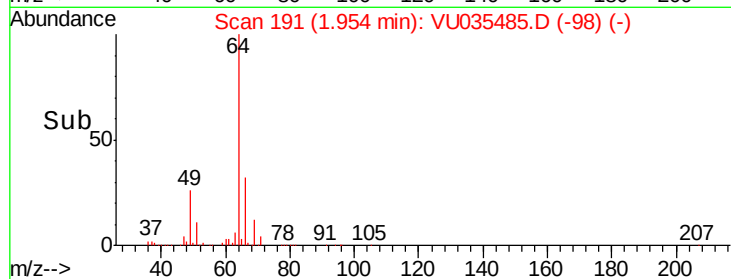
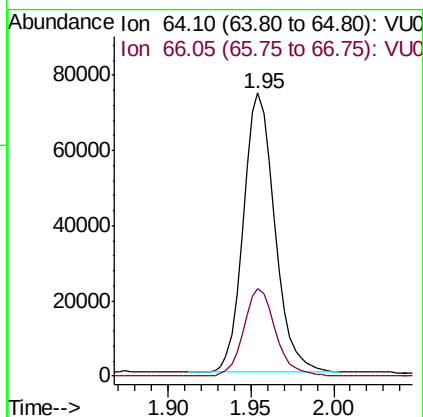
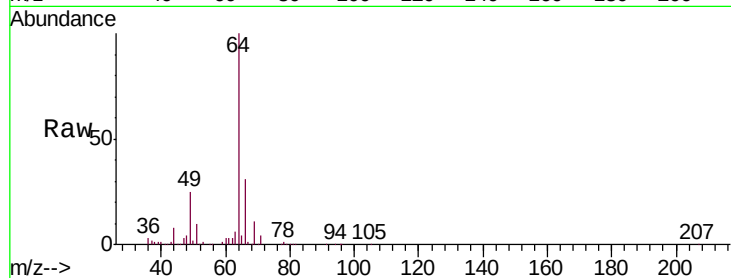




#8
Chloroethane
Concen: 4.644 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

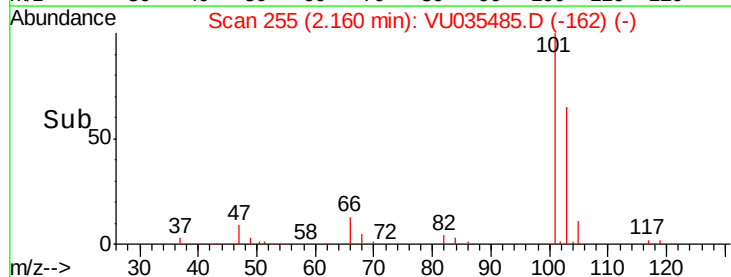
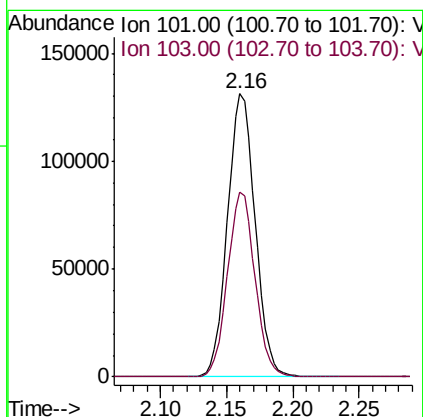
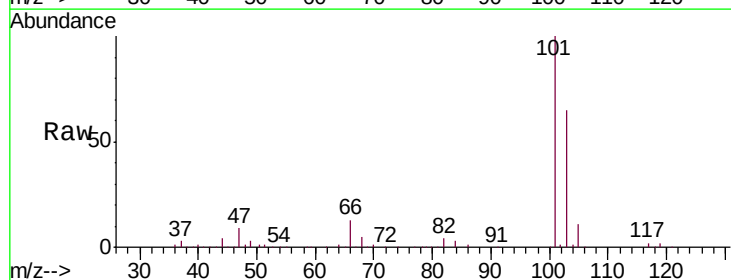
Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

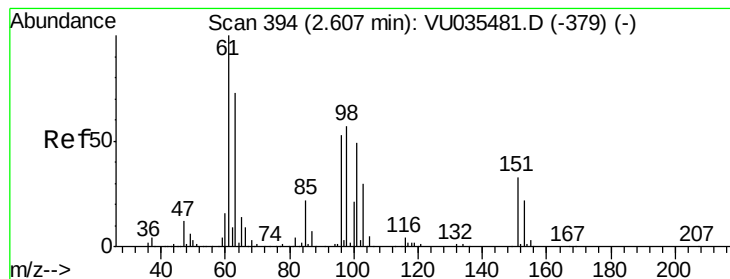
Tgt Ion: 64 Resp: 97673
Ion Ratio Lower Upper
64 100
66 31.1 21.8 40.6



#9
Trichlorofluoromethane
Concen: 4.609 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

Tgt Ion: 101 Resp: 190438
Ion Ratio Lower Upper
101 100
103 64.9 51.2 76.8





#10

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

Concen: 4.621 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

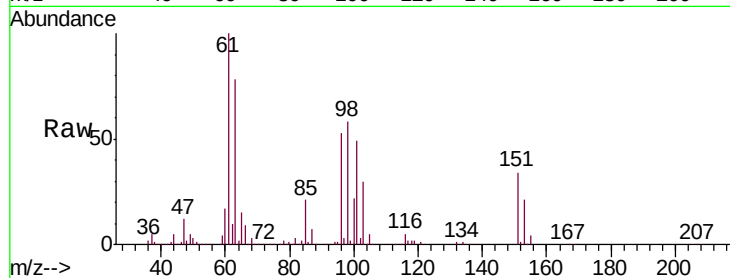
Tgt Ion:101 Resp: 107553

Ion Ratio Lower Upper

101 100

85 43.8 34.7 52.1

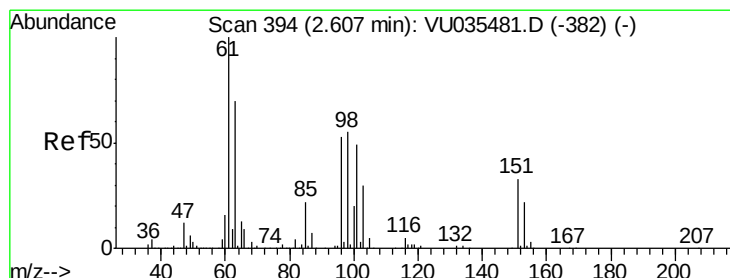
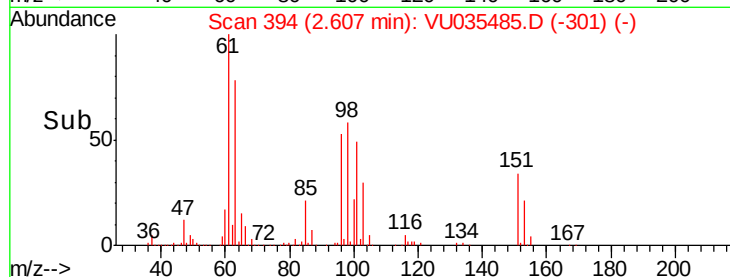
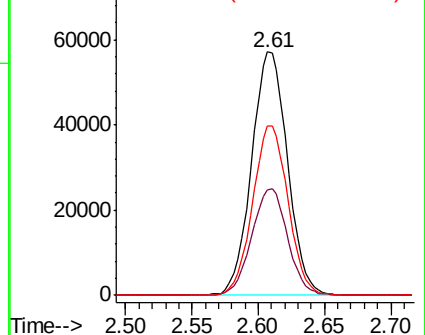
151 68.7 54.8 82.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.702 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

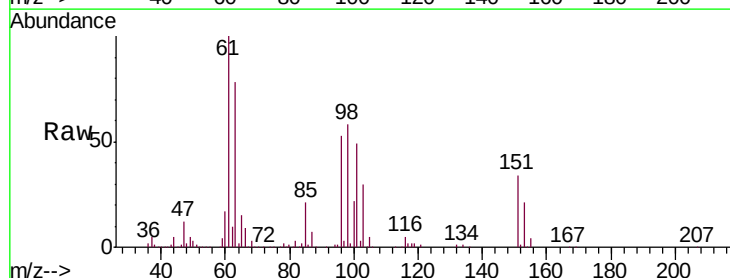
Tgt Ion: 96 Resp: 102048

Ion Ratio Lower Upper

96 100

61 188.0 131.9 244.9

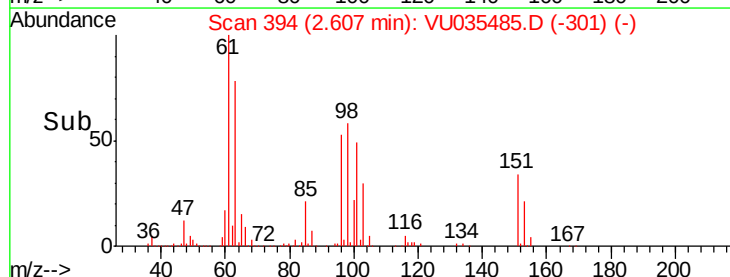
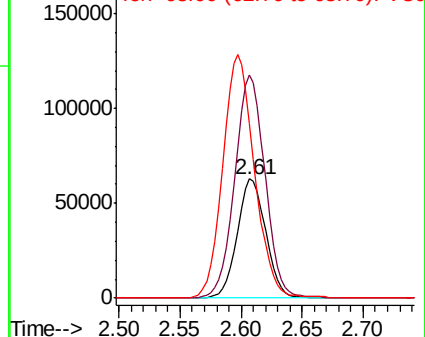
63 146.5 97.0 180.2

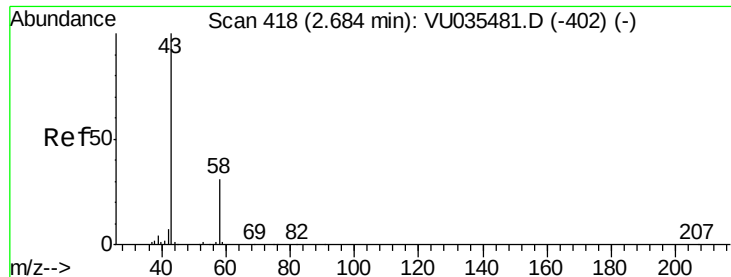


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.322 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

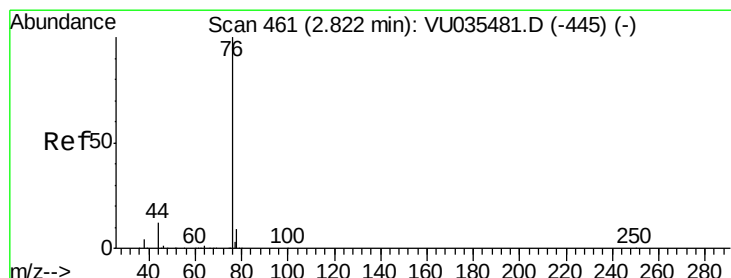
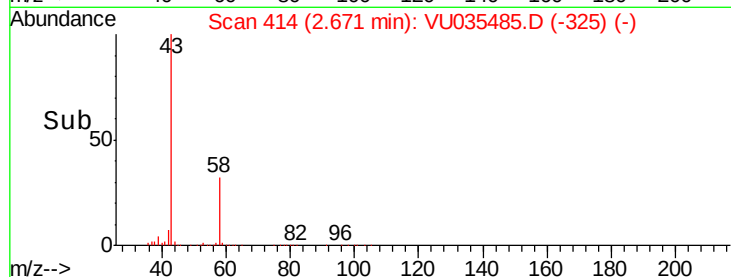
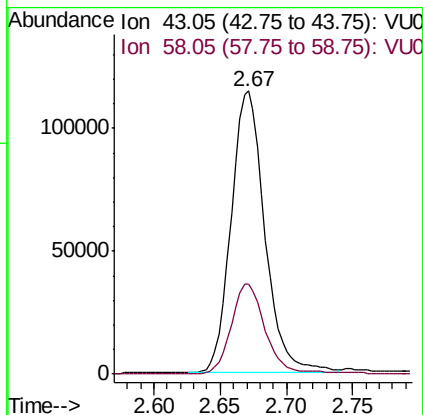
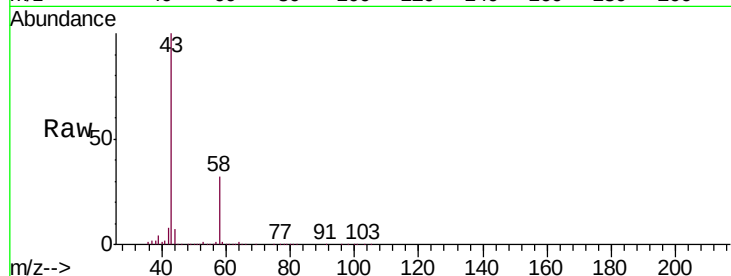
VSTD00555

Tgt Ion: 43 Resp: 202128

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.2



#14

Carbon disulfide

Concen: 4.663 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035485.D

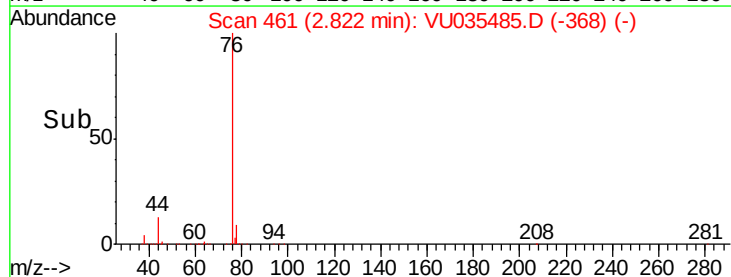
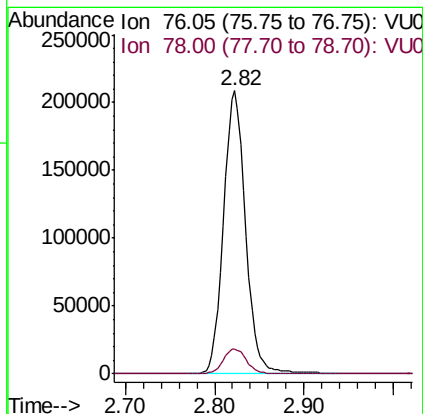
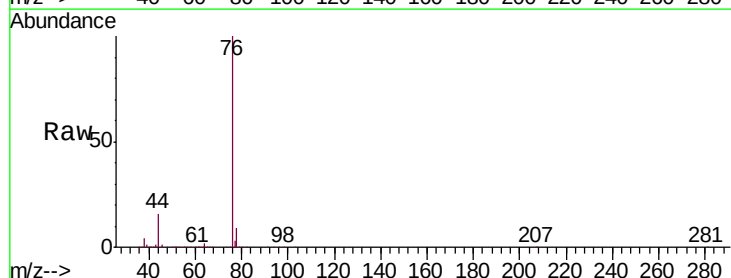
Acq: 25 Oct 2019 13:47

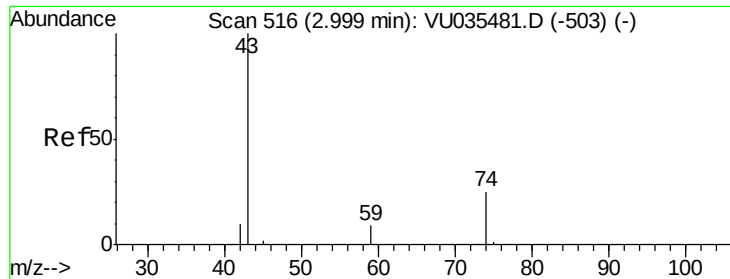
Tgt Ion: 76 Resp: 358122

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

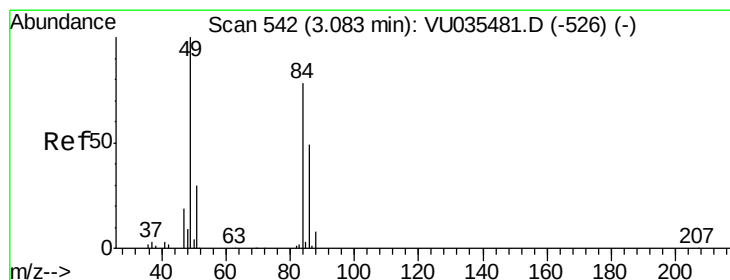
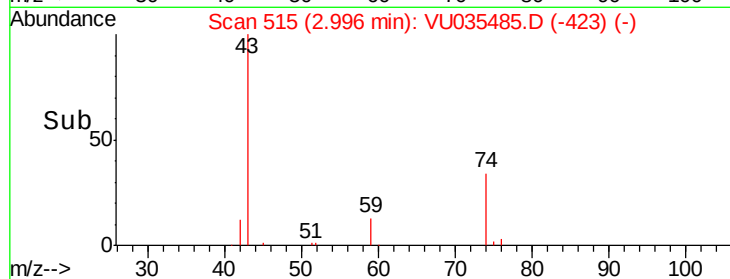
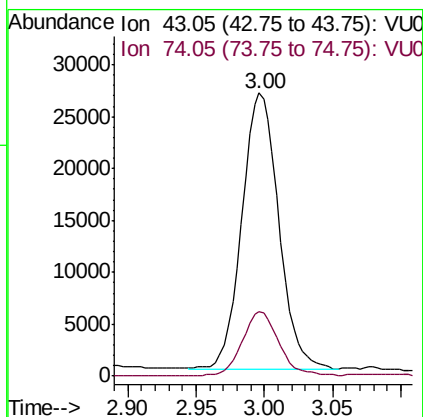
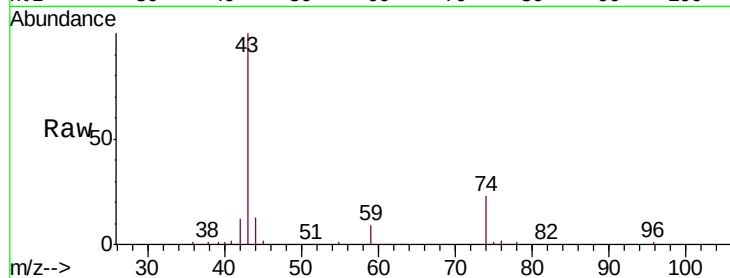




#15
Methyl Acetate
Concen: 4.758 ug/L
RT: 3.00 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

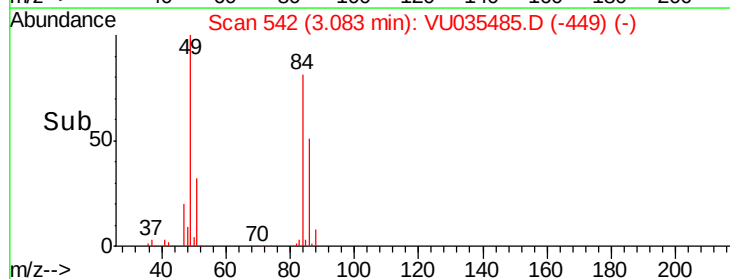
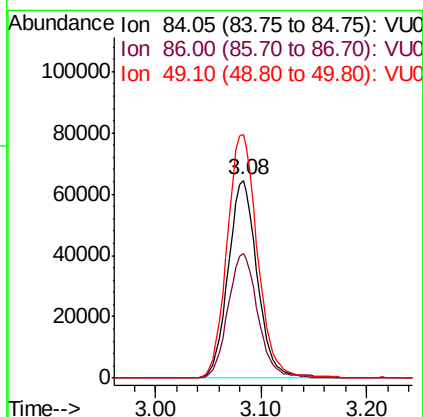
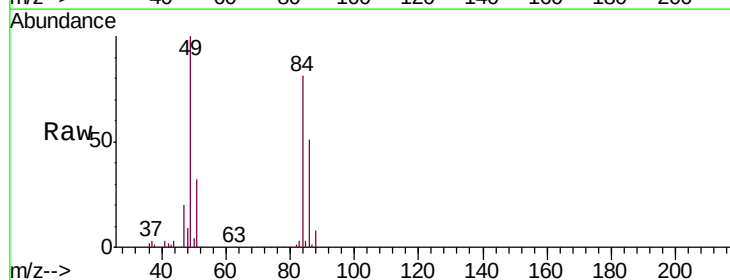
Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

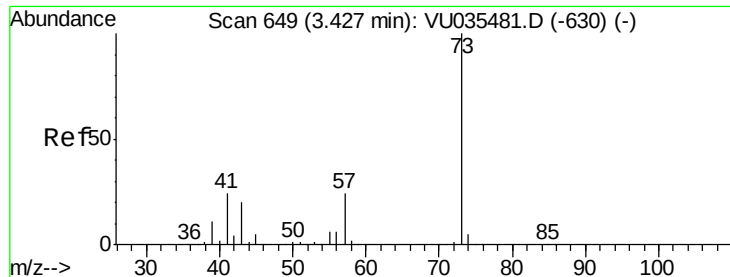
Tgt Ion: 43 Resp: 49741
Ion Ratio Lower Upper
43 100
74 23.4 19.4 29.2



#16
Methylene chloride
Concen: 4.379 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

Tgt Ion: 84 Resp: 123122
Ion Ratio Lower Upper
84 100
86 63.1 43.7 81.1
49 122.9 89.5 166.3

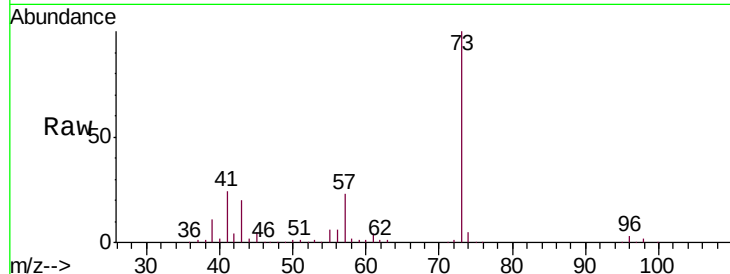




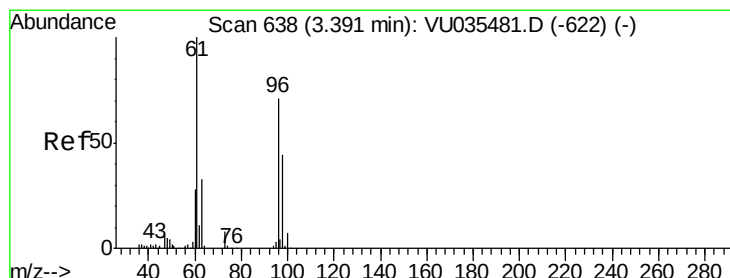
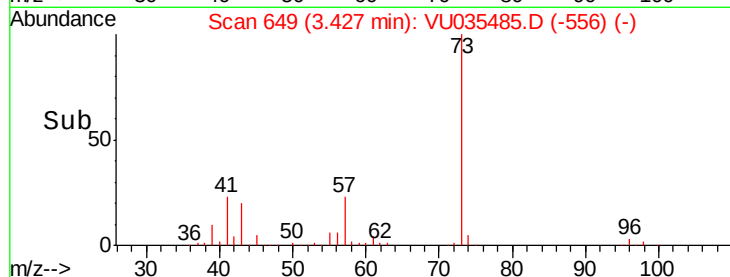
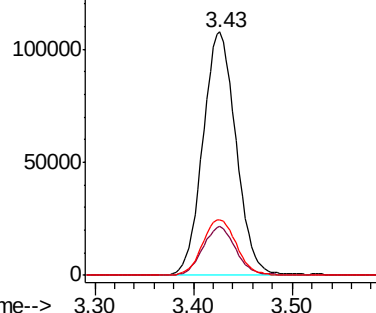
#17
Methyl tert-butyl Ether
Concen: 4.767 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Tgt Ion:	73	Resp:	250213
Ion	Ratio	Lower	Upper
73	100		
43	19.7	15.8	23.8
57	23.5	19.0	28.6

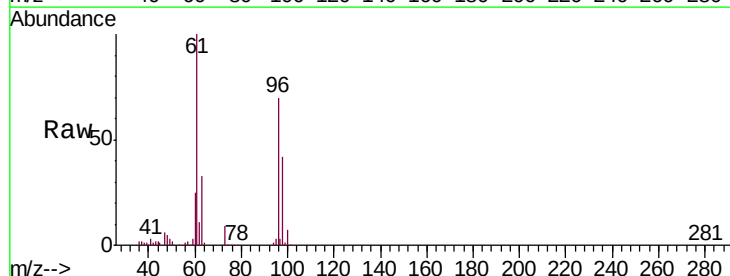


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

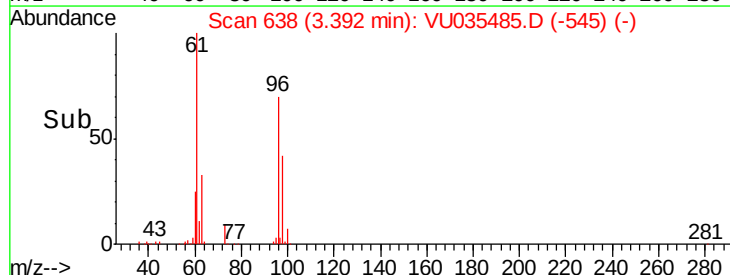
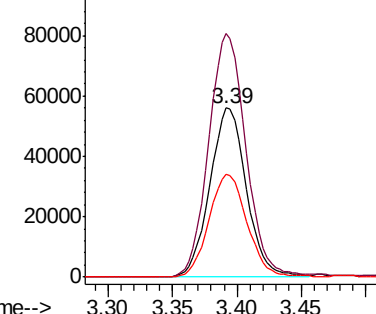


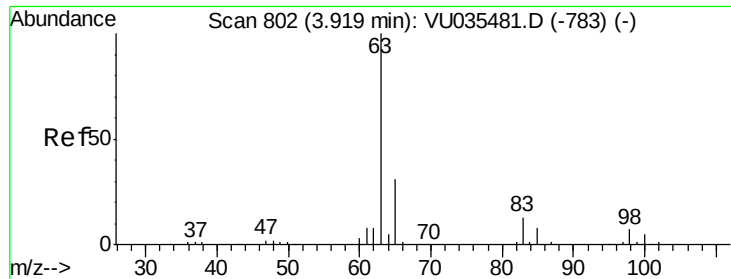
#18
trans-1,2-Dichloroethene
Concen: 4.709 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

Tgt Ion:	96	Resp:	111203
Ion	Ratio	Lower	Upper
96	100		
61	143.8	99.0	184.0
98	60.6	43.8	81.4



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

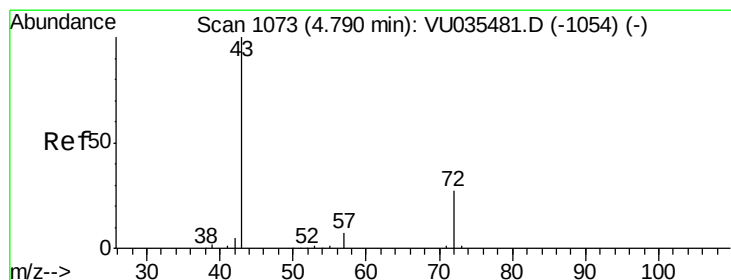
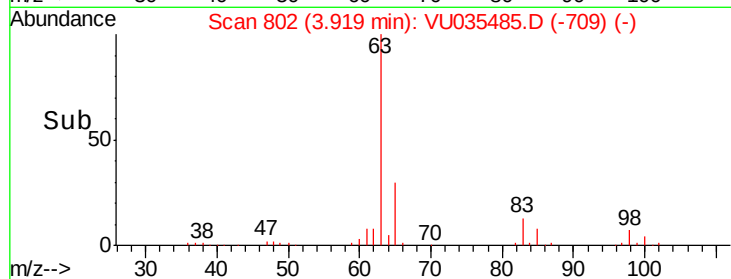
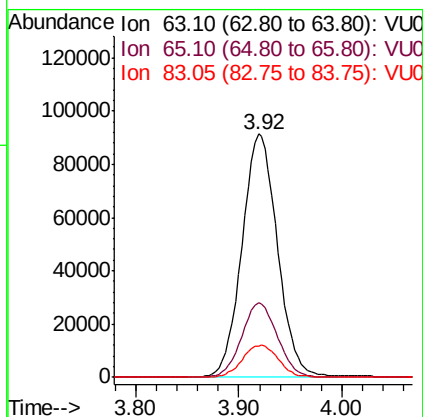
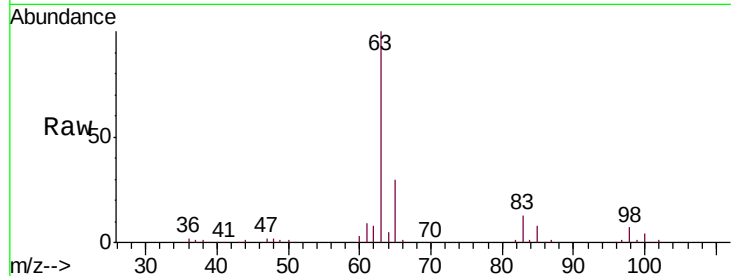




#19
 1,1-Dichloroethane
 Concen: 4.689 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

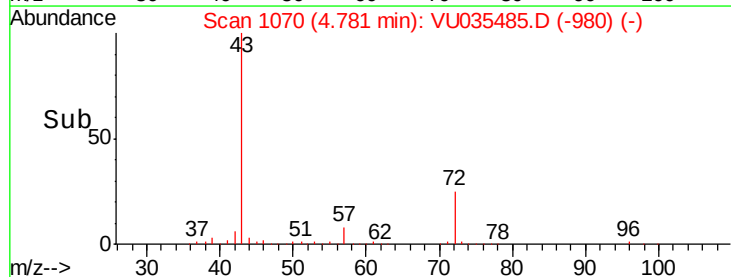
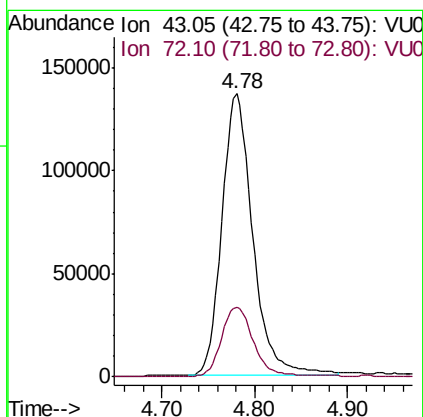
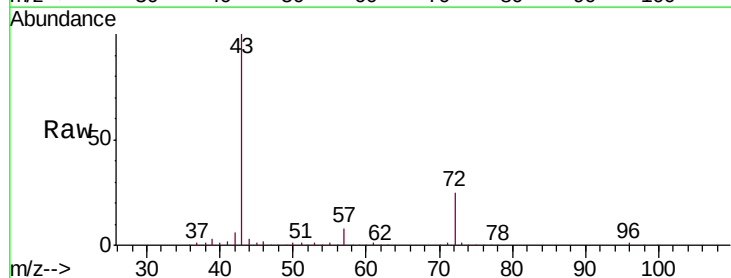
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

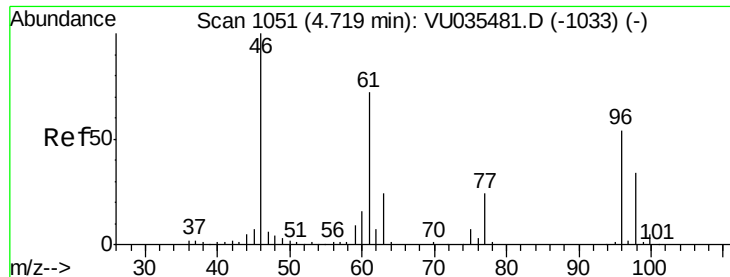
Tgt Ion: 63 Resp: 218486
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.0 41.0
 83 13.0 9.2 17.2



#21
 2-Butanone
 Concen: 47.758 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

Tgt Ion: 43 Resp: 316003
 Ion Ratio Lower Upper
 43 100
 72 24.7 12.9 38.7





#22

cis-1,2-Dichloroethene

Concen: 4.779 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

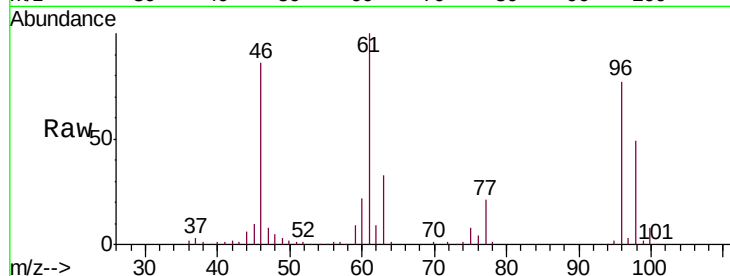
Tgt Ion: 96 Resp: 120393

Ion Ratio Lower Upper

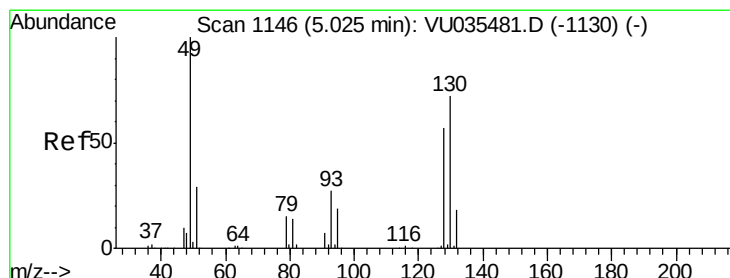
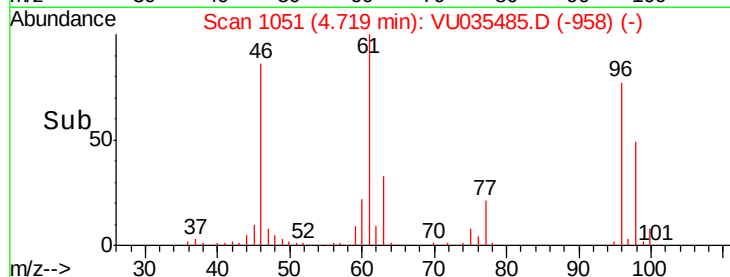
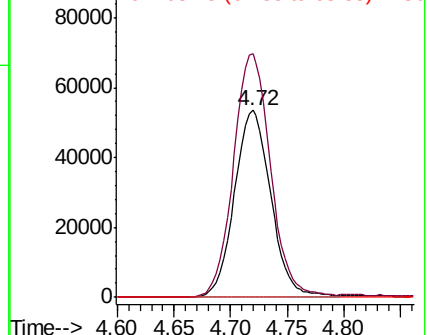
96 100

61 130.2 93.6 173.8

68 0.0 0.0 0.0



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



#23

Bromochloromethane

Concen: 4.512 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Tgt Ion: 128 Resp: 52565

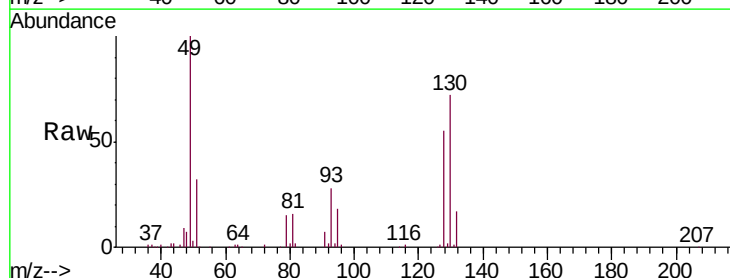
Ion Ratio Lower Upper

128 100

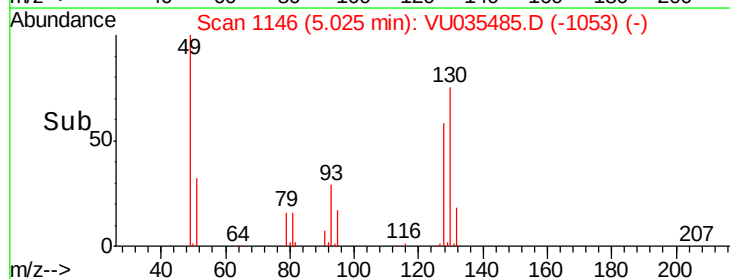
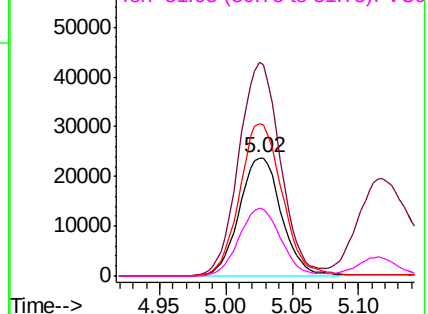
49 181.0 122.2 226.9

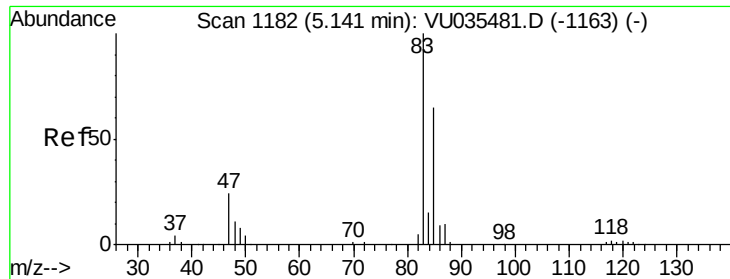
130 129.6 87.9 163.3

51 57.6 41.0 61.6



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

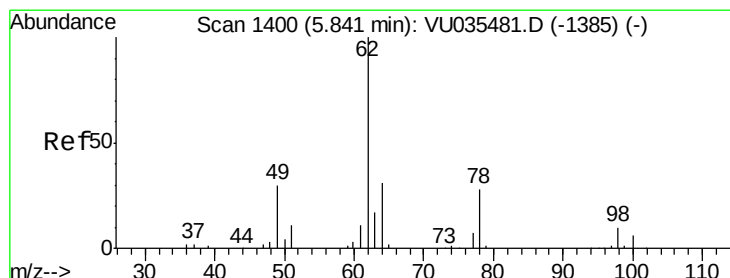
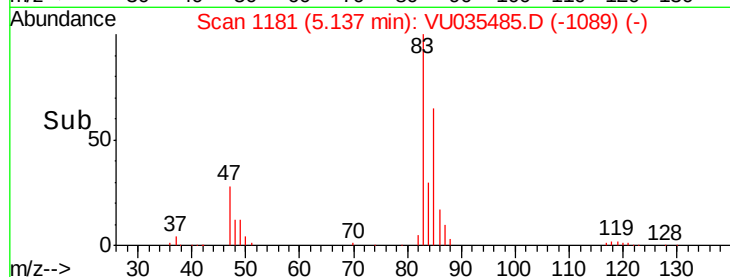
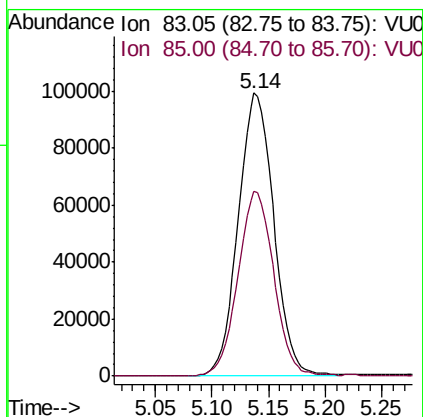
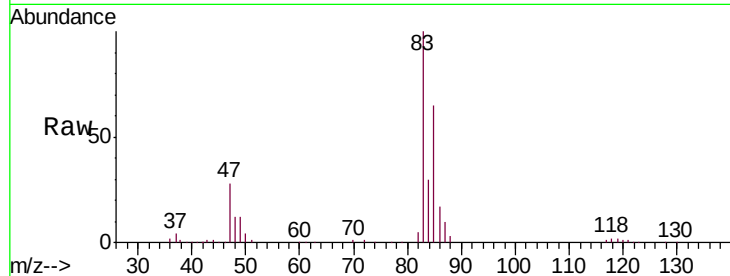




#25
Chloroform
Concen: 4.415 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

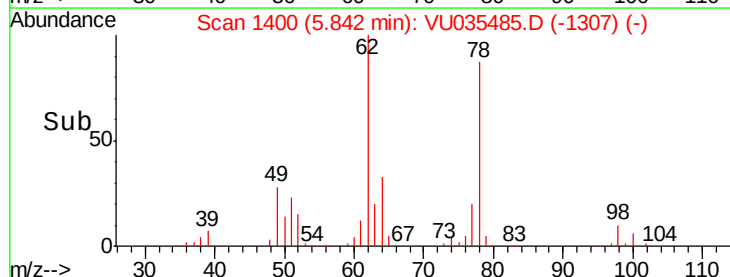
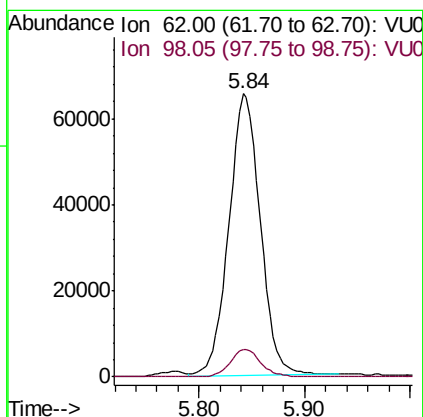
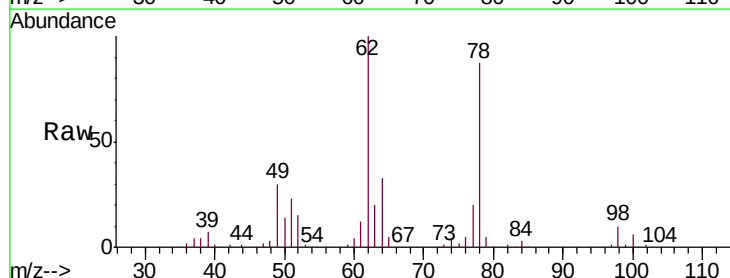
Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

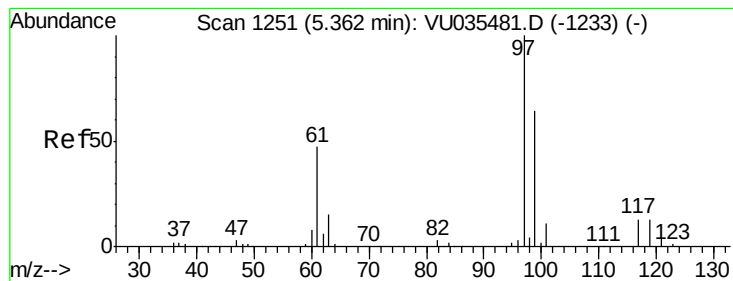
Tgt Ion: 83 Resp: 218165
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.633 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

Tgt Ion: 62 Resp: 135118
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 4.761 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

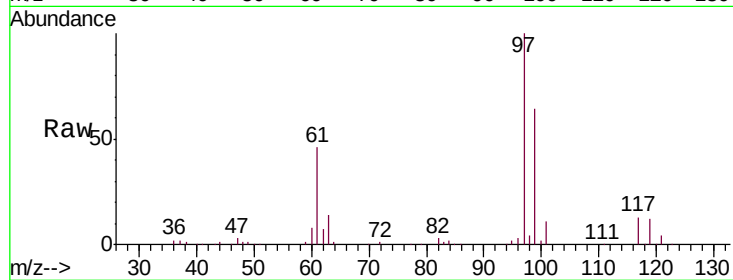
Tgt Ion: 97 Resp: 177436

Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

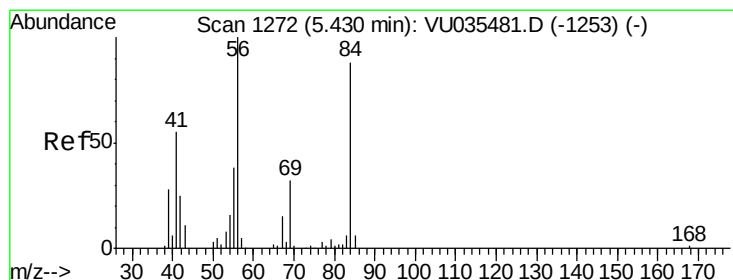
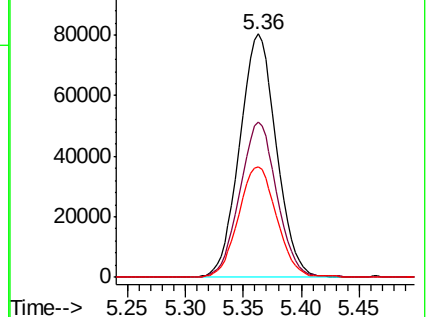
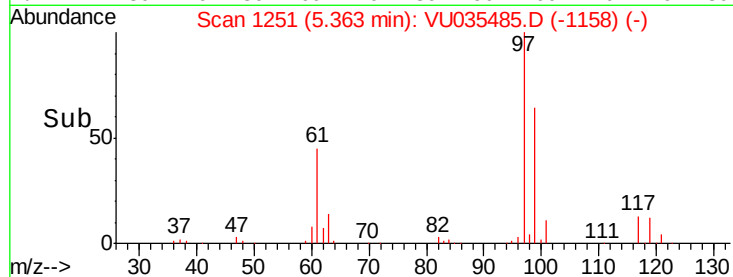
61 47.0 37.9 56.9



Abundance Ion 96.95 (96.65 to 97.65): VU035485.D (-1158) (-)

Ion 99.05 (98.75 to 99.75): VU035485.D (-1158) (-)

Ion 61.05 (60.75 to 61.75): VU035485.D (-1158) (-)



#30

Cyclohexane

Concen: 4.969 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

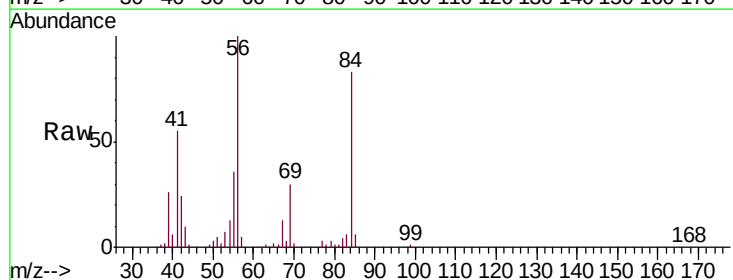
Tgt Ion: 56 Resp: 189182

Ion Ratio Lower Upper

56 100

69 29.8 23.9 35.9

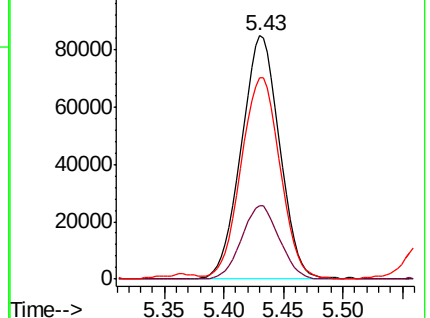
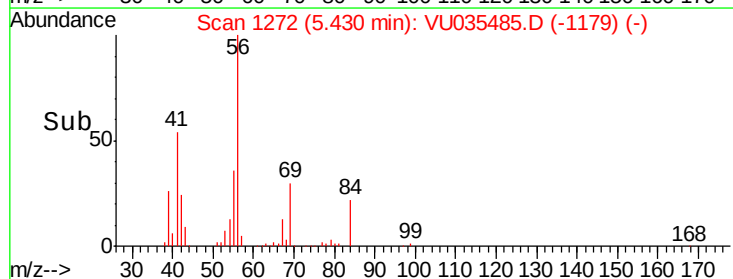
84 84.1 69.4 104.2

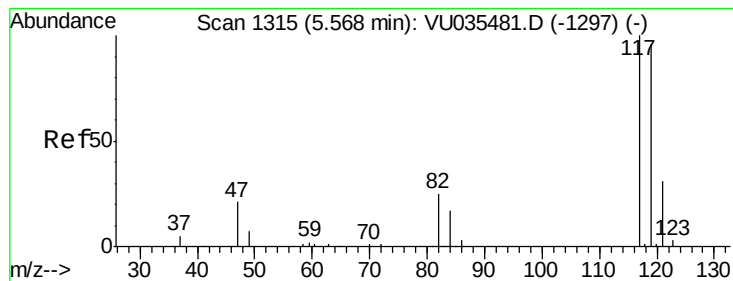


Abundance Ion 56.10 (55.80 to 56.80): VU035485.D (-1179) (-)

Ion 69.15 (68.85 to 69.85): VU035485.D (-1179) (-)

Ion 84.15 (83.85 to 84.85): VU035485.D (-1179) (-)





#31

Carbon tetrachloride

Concen: 4.722 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

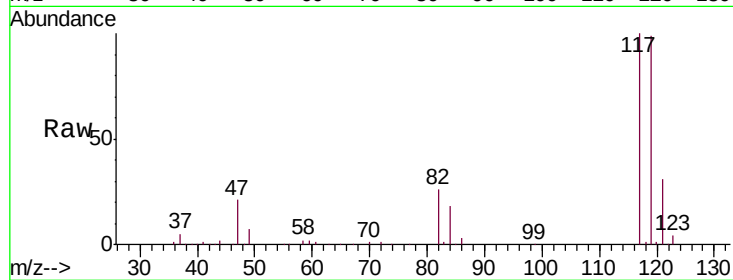
VSTD00555

Tgt Ion:117 Resp: 157024

Ion Ratio Lower Upper

117 100

119 95.6 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

80000

60000

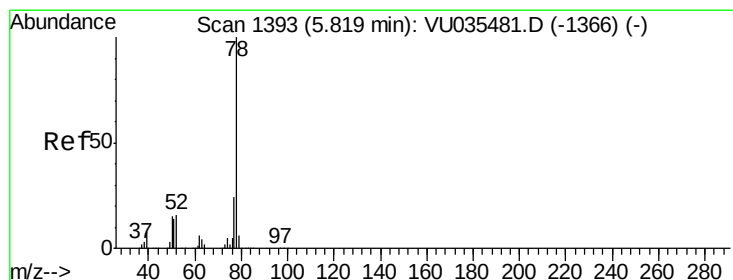
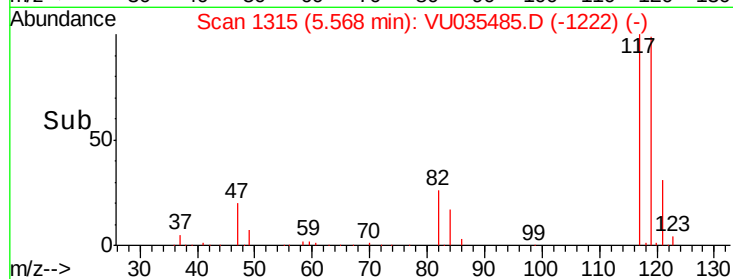
40000

20000

0

Time-->

5.50 5.60



#33

Benzene

Concen: 4.826 ug/L

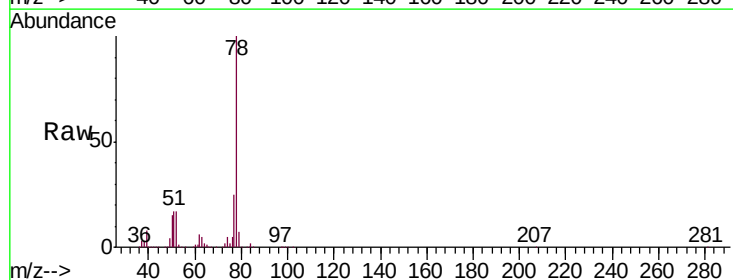
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Tgt Ion: 78 Resp: 476704



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

250000

200000

150000

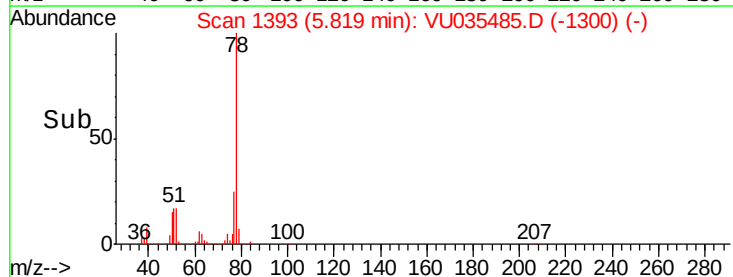
100000

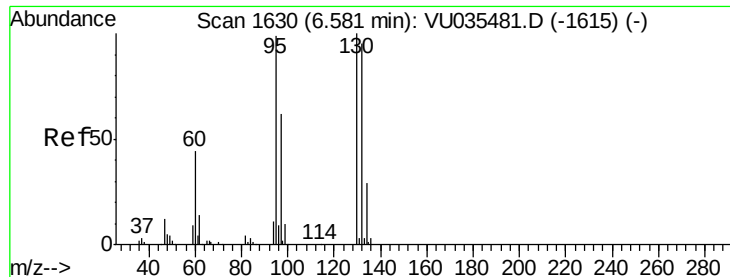
50000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 4.716 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

Tgt Ion: 95 Resp: 114450

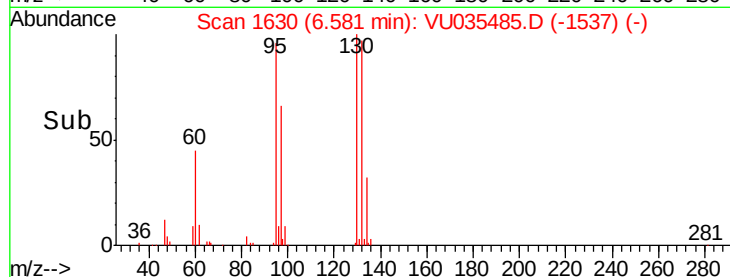
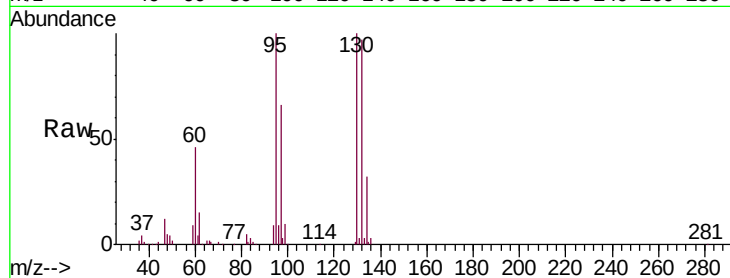
Ion Ratio Lower Upper

95 100

97 66.3 43.8 81.4

132 97.3 67.3 124.9

130 100.0 70.6 131.2

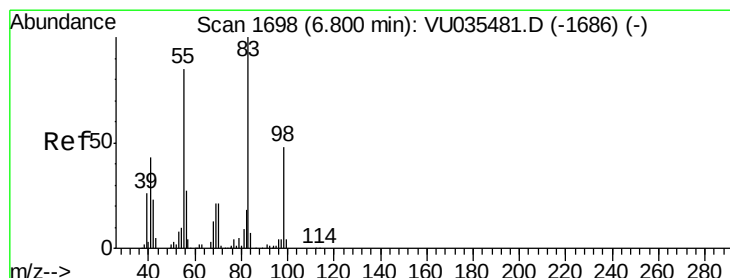
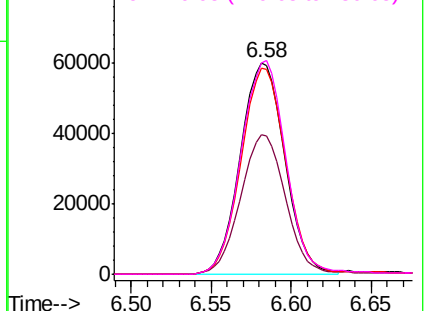


Abundance Ion 95.00 (94.70 to 95.70): VU035485.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035485.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035485.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035485.D (-1537) (-)



#35

Methylcyclohexane

Concen: 4.893 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

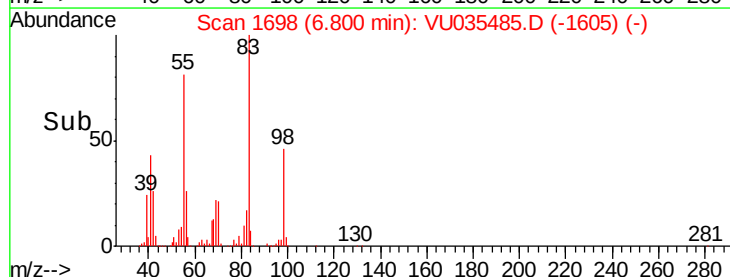
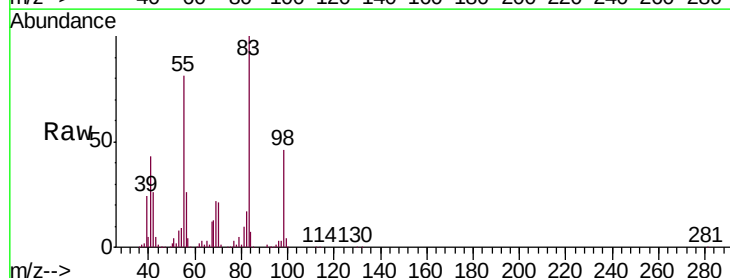
Tgt Ion: 83 Resp: 183760

Ion Ratio Lower Upper

83 100

55 82.2 67.3 100.9

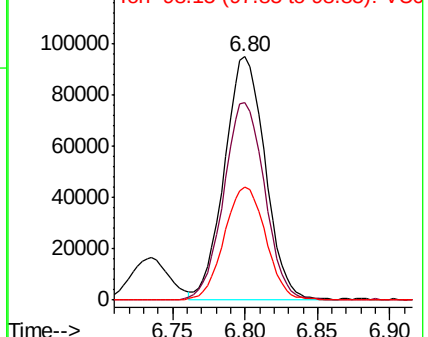
98 47.7 39.0 58.6

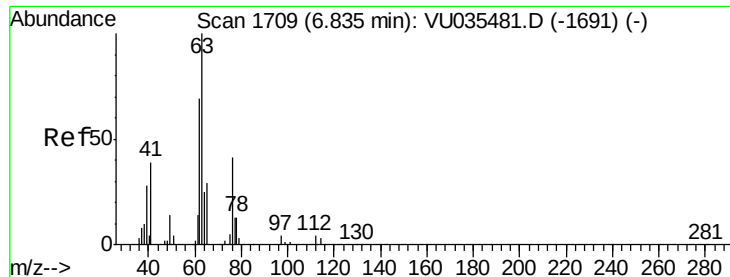


Abundance Ion 83.15 (82.85 to 83.85): VU035485.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035485.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035485.D (-1605) (-)

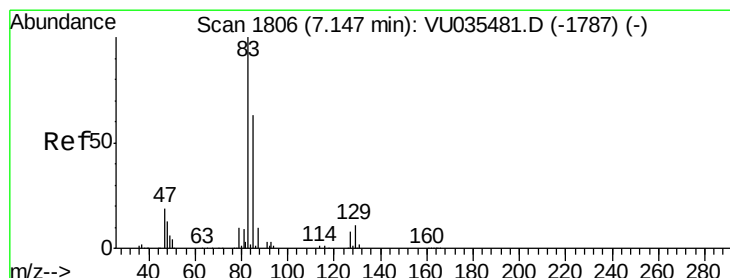
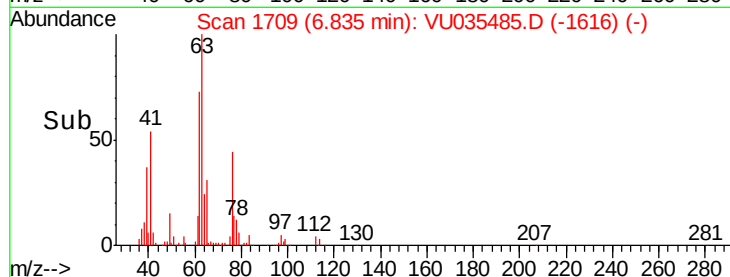
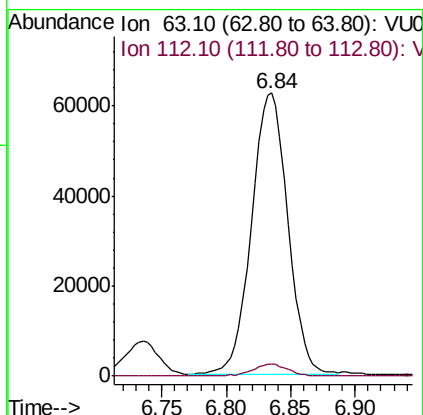
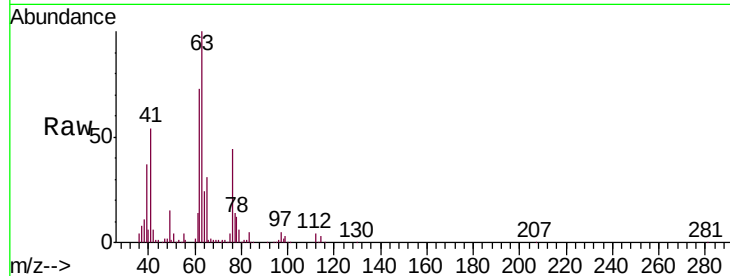




#37
 1,2-Dichloropropane
 Concen: 4.696 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

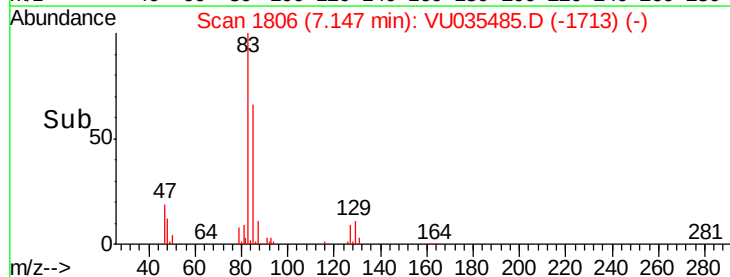
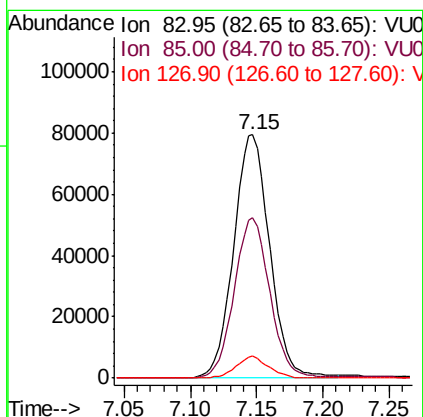
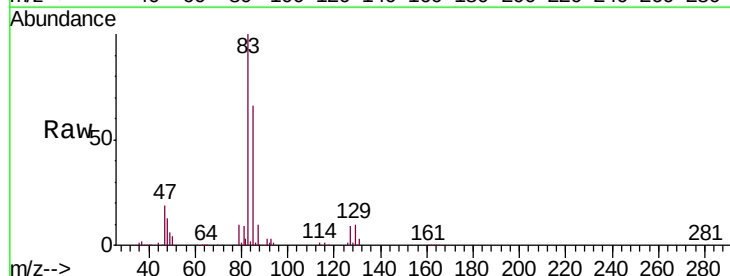
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

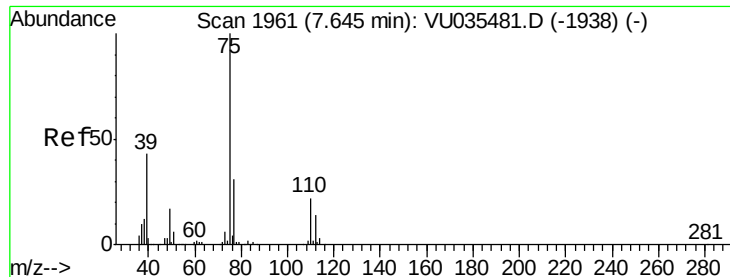
Tgt Ion: 63 Resp: 122561
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.637 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

Tgt Ion: 83 Resp: 150146
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.2 82.2
 127 9.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.762 ug/L

RT: 7.65 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

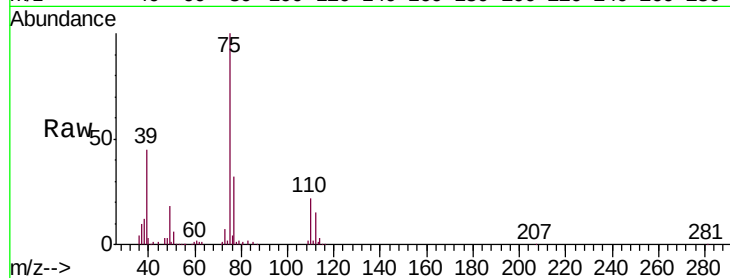
VSTD00555

Tgt Ion: 75 Resp: 172989

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU035485.D (-1868) (-)

Ion 77.05 (76.75 to 77.75): VU035485.D (-1868) (-)

7.65

100000

80000

60000

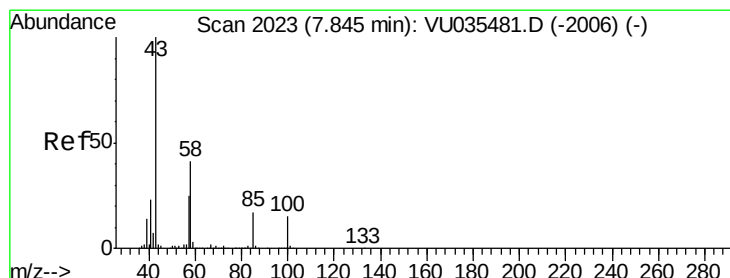
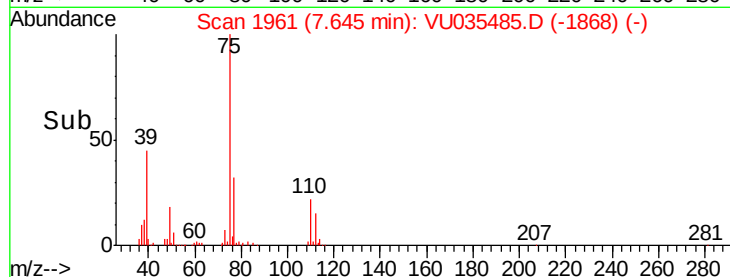
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 49.513 ug/L

RT: 7.84 min Scan# 2022

Delta R.T. -0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

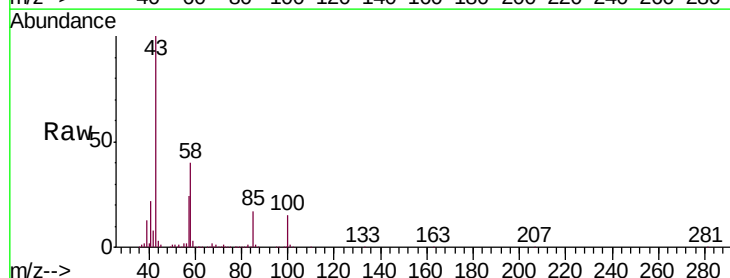
Tgt Ion: 43 Resp: 765133

Ion Ratio Lower Upper

43 100

58 39.3 31.6 47.4

100 14.7 11.8 17.8



Abundance Ion 43.05 (42.75 to 43.75): VU035485.D (-1930) (-)

Ion 58.05 (57.75 to 58.75): VU035485.D (-1930) (-)

Ion 100.15 (99.85 to 100.85): VU035485.D (-1930) (-)

7.84

500000

400000

300000

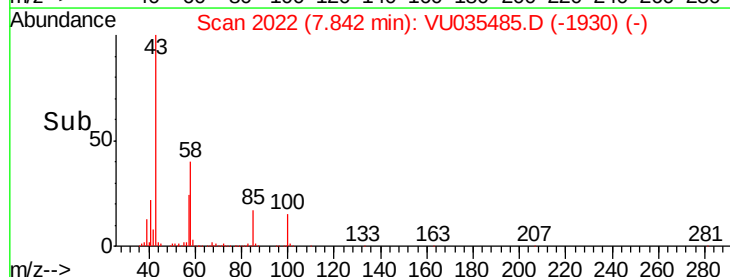
200000

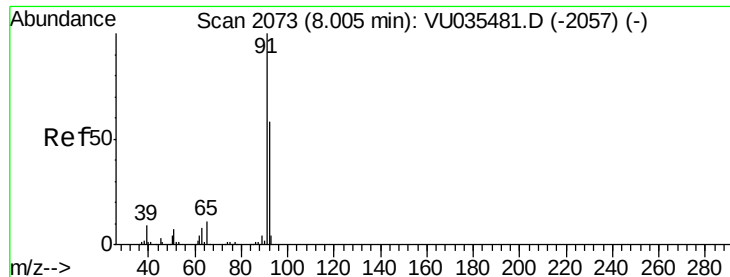
100000

0

7.70 7.80 7.90 8.00

Time-->





#42

Toluene

Concen: 4.901 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

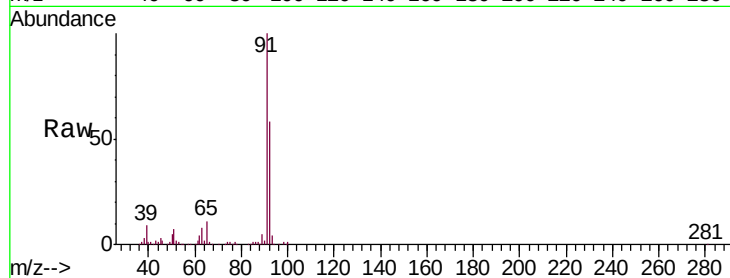
VSTD00555

Tgt Ion: 91 Resp: 494174

Ion Ratio Lower Upper

91 100

92 58.2 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU035485.D (-1980) (-)

Ion 92.15 (91.85 to 92.85): VU035485.D (-1980) (-)

8.01

300000

250000

200000

150000

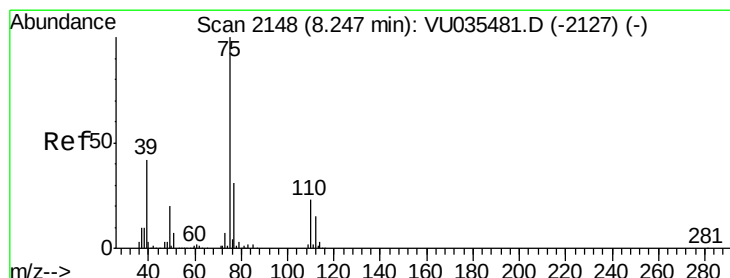
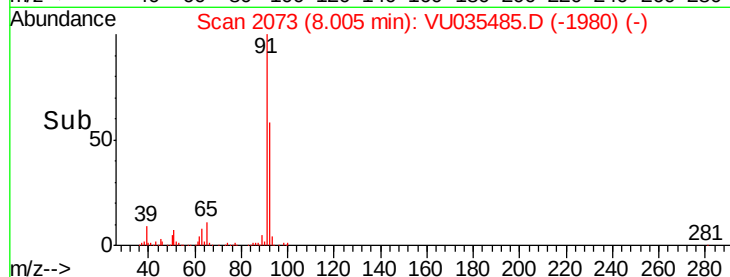
100000

50000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 4.890 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035485.D

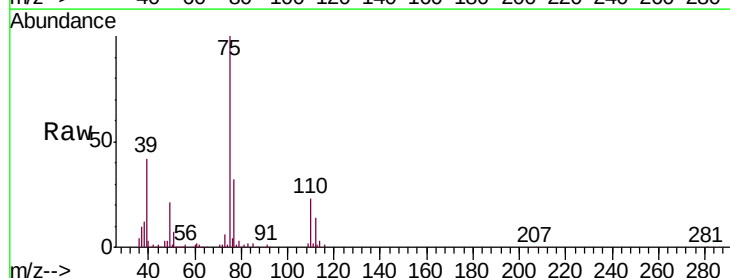
Acq: 25 Oct 2019 13:47

Tgt Ion: 75 Resp: 140527

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU035485.D (-2055) (-)

Ion 77.05 (76.75 to 77.75): VU035485.D (-2055) (-)

8.25

80000

60000

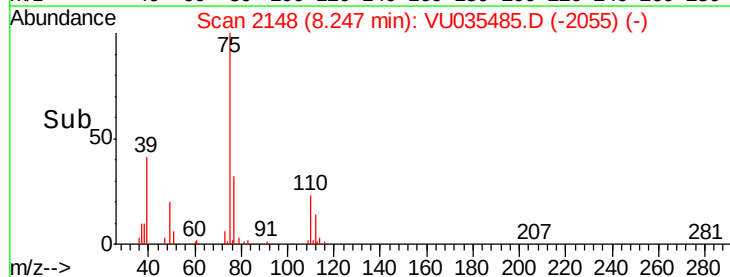
40000

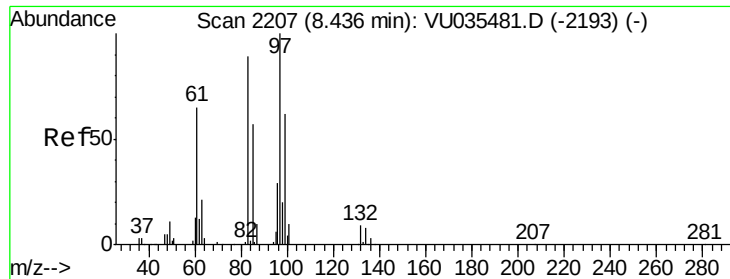
20000

0

Time-->

8.20 8.30

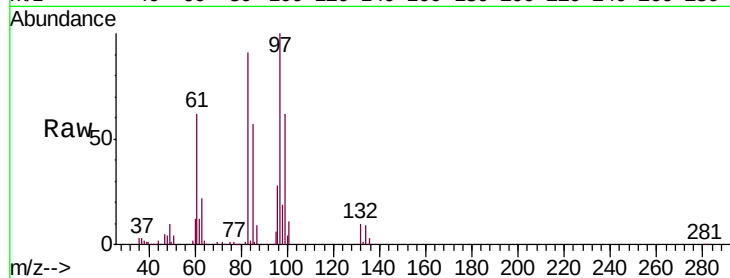




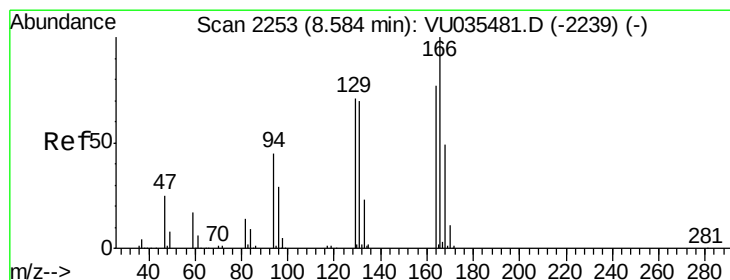
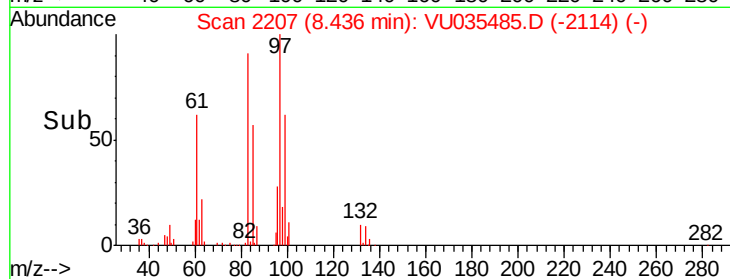
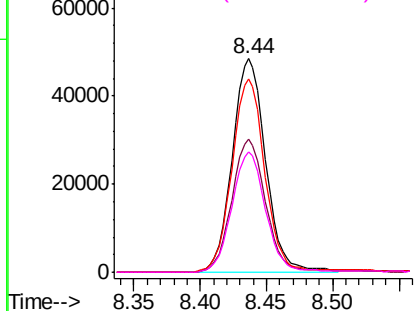
#45
 1,1,2-Trichloroethane
 Concen: 4.676 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

Tgt Ion:	97	Resp:	84749
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.6	81.0
83	90.8	62.3	115.7
85	56.5	40.0	74.4

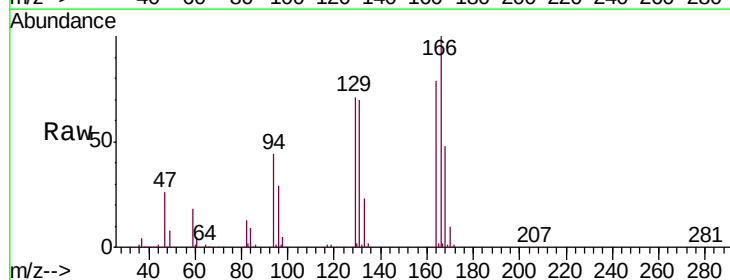


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

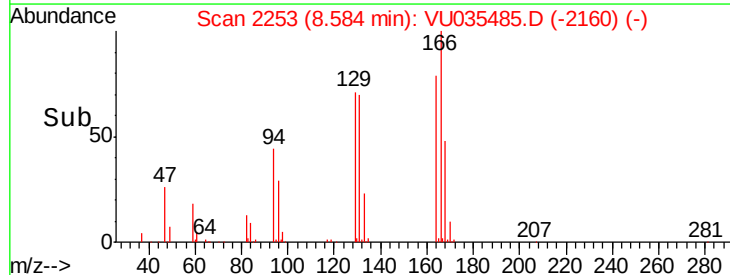
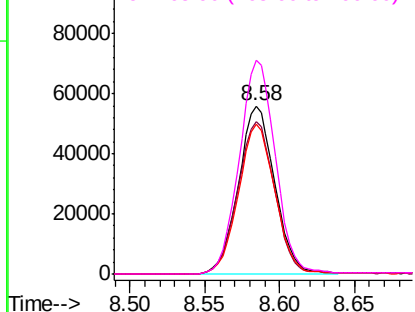


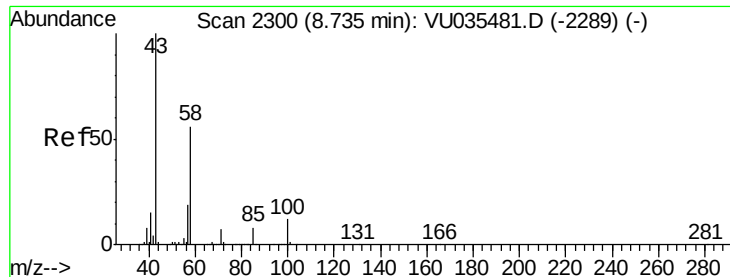
#47
 Tetrachloroethene
 Concen: 4.735 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

Tgt Ion:	164	Resp:	94356
Ion	Ratio	Lower	Upper
164	100		
129	90.7	64.6	120.0
131	89.0	63.1	117.3
166	127.0	90.4	168.0



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

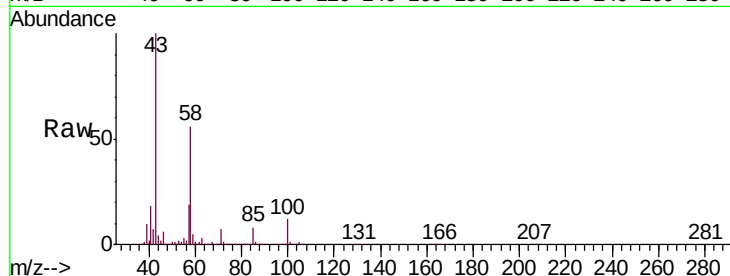




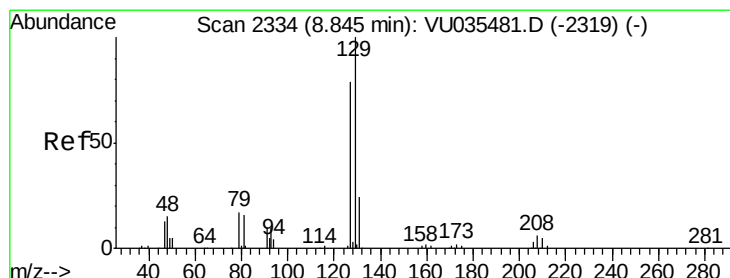
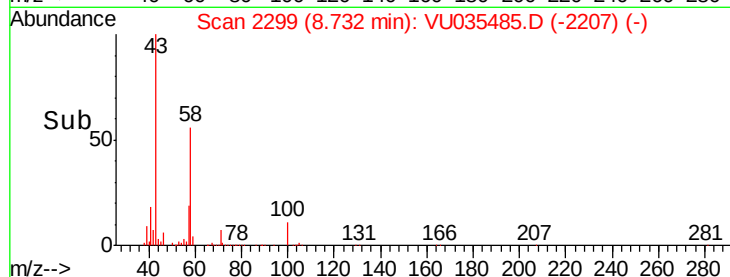
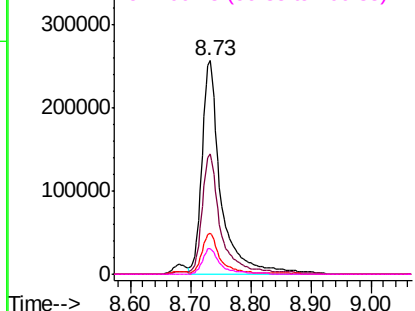
#48
2-Hexanone
Concen: 54.125 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Tgt Ion:	43	Resp:	562492
Ion	Ratio	Lower	Upper
43	100		
58	51.7	43.1	64.7
57	17.6	14.2	21.2
100	11.1	9.0	13.4

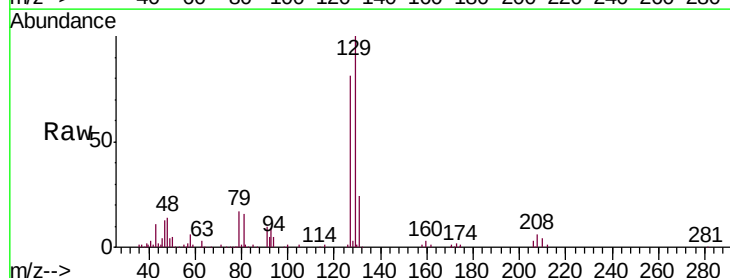


Abundance Ion 43.05 (42.75 to 43.75): VU035485.D (-2299) (-)
Ion 58.05 (57.75 to 58.75): VU035485.D (-2299) (-)
Ion 57.20 (56.90 to 57.90): VU035485.D (-2299) (-)
Ion 100.15 (99.85 to 100.85): VU035485.D (-2299) (-)

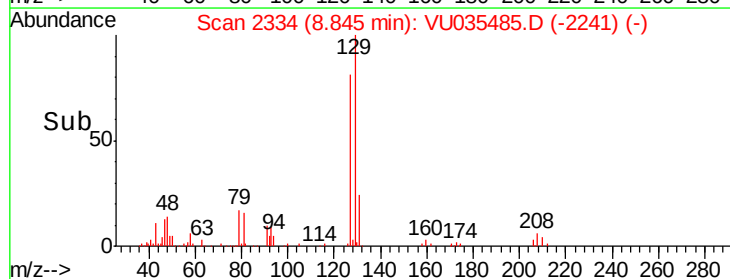
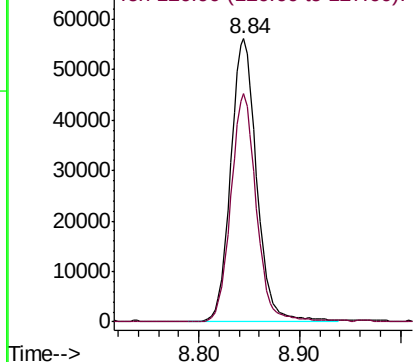


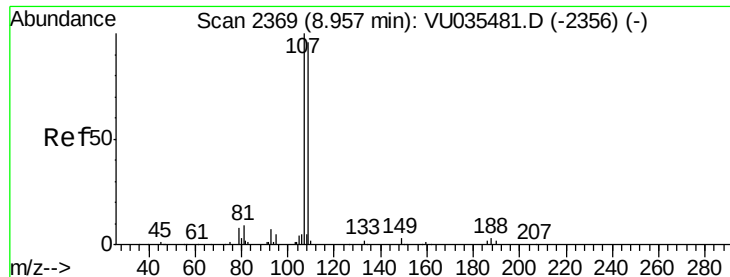
#49
Dibromochloromethane
Concen: 4.774 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

Tgt Ion:	129	Resp:	101241
Ion	Ratio	Lower	Upper
129	100		
127	80.6	55.6	103.4



Abundance Ion 128.95 (128.65 to 129.65): VU035485.D (-2334) (-)
Ion 126.90 (126.60 to 127.60): VU035485.D (-2334) (-)

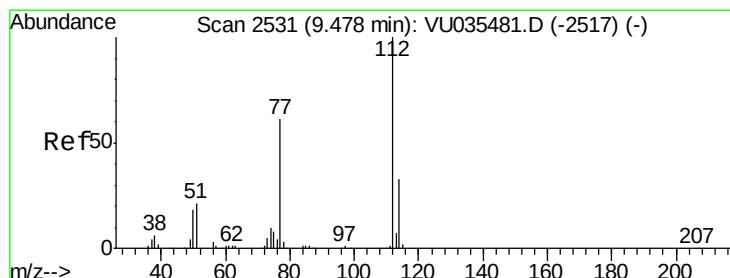
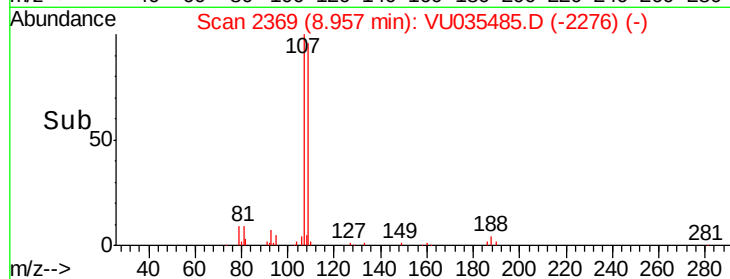
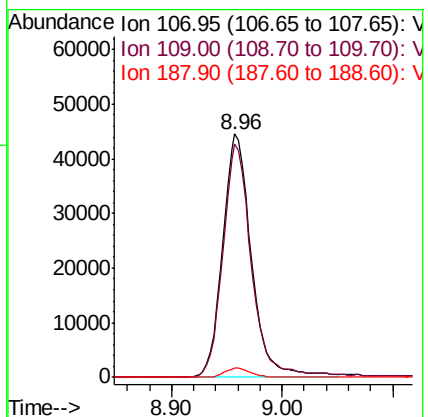
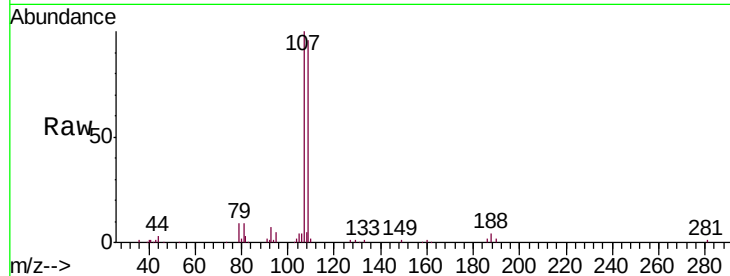




#50
1,2-Dibromoethane
Concen: 4.796 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

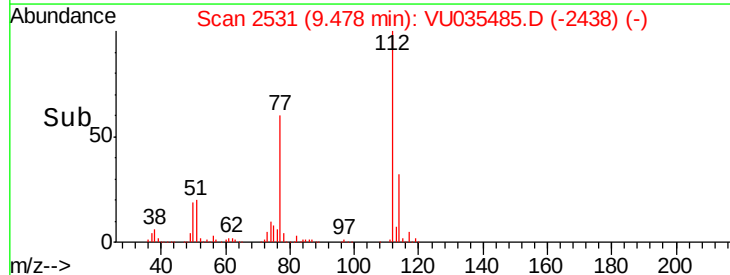
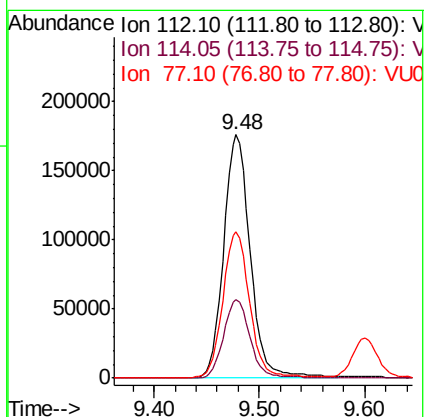
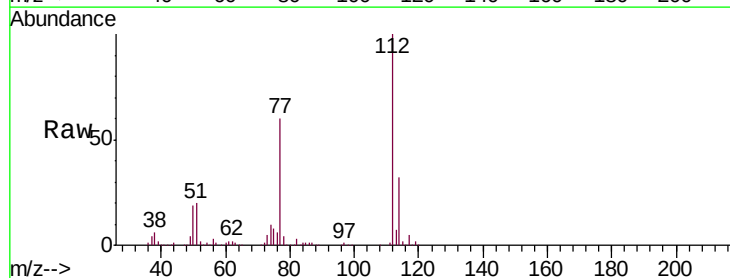
Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

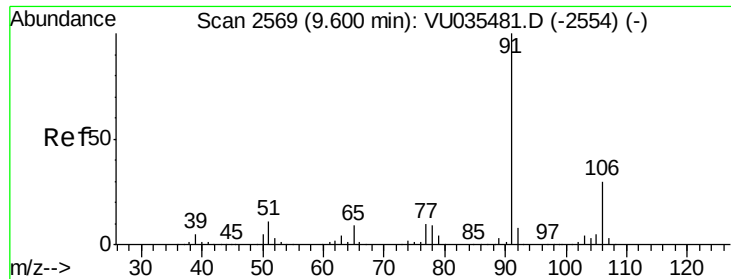
Tgt Ion:107 Resp: 80797
Ion Ratio Lower Upper
107 100
109 96.1 66.9 124.3
188 3.9 2.6 4.0



#51
Chlorobenzene
Concen: 4.841 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

Tgt Ion:112 Resp: 307539
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.3
77 60.1 49.1 73.7





#52

Ethylbenzene

Concen: 4.885 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

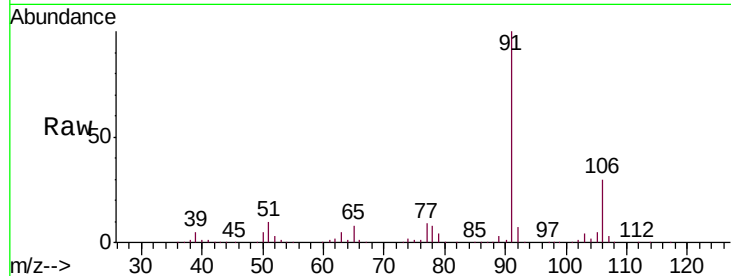
VSTD00555

Tgt Ion: 91 Resp: 514556

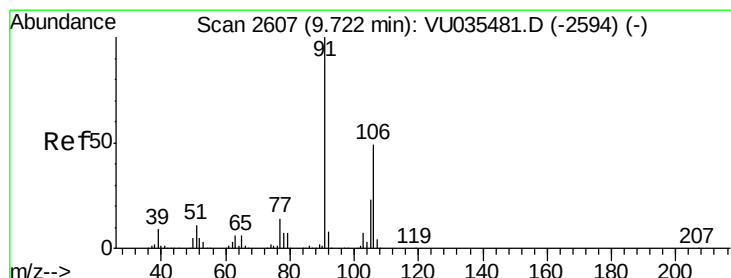
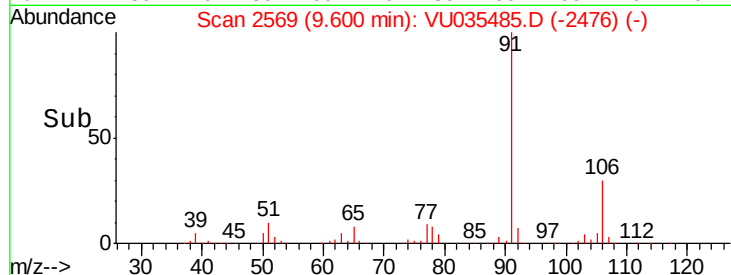
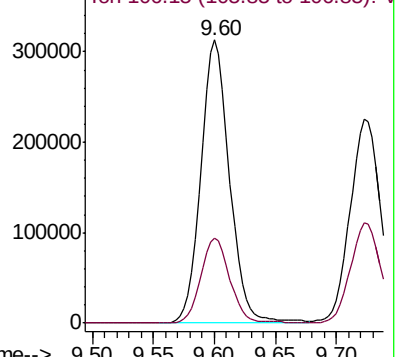
Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU035485.D (-2554) (-)



#53

m,p-Xylene

Concen: 4.967 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035485.D

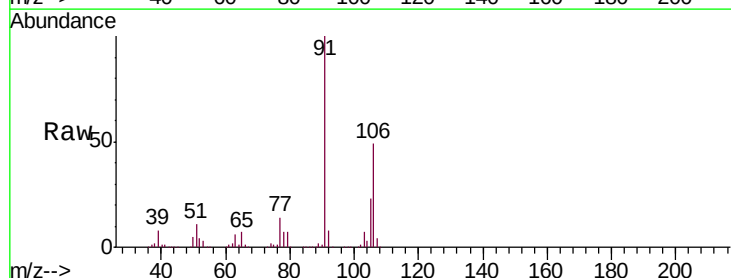
Acq: 25 Oct 2019 13:47

Tgt Ion: 106 Resp: 191032

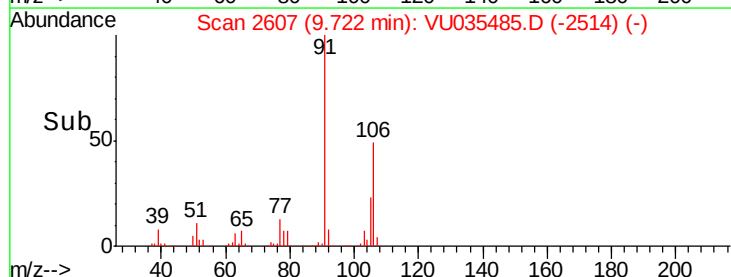
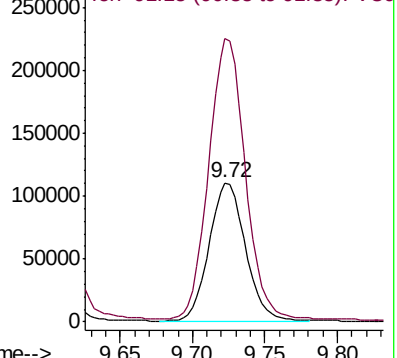
Ion Ratio Lower Upper

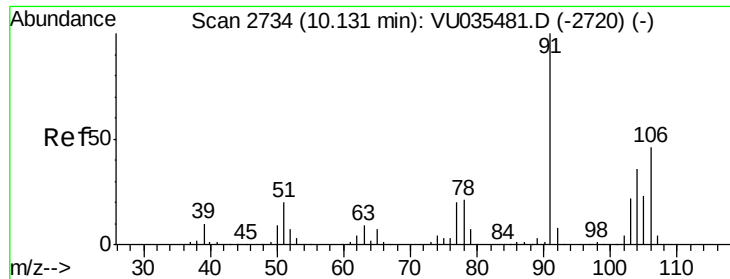
106 100

91 203.8 142.3 264.3



Abundance Ion 106.15 (105.85 to 106.85): VU035485.D (-2594) (-)

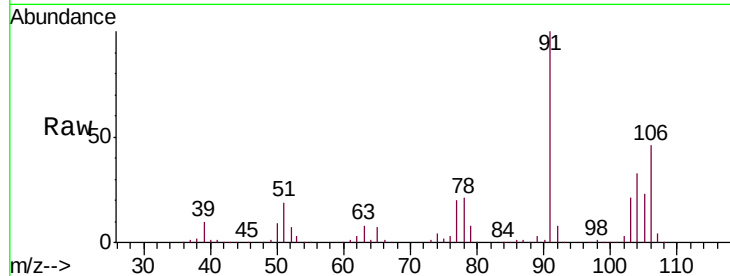




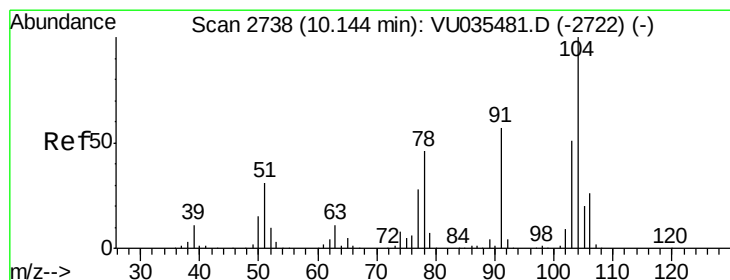
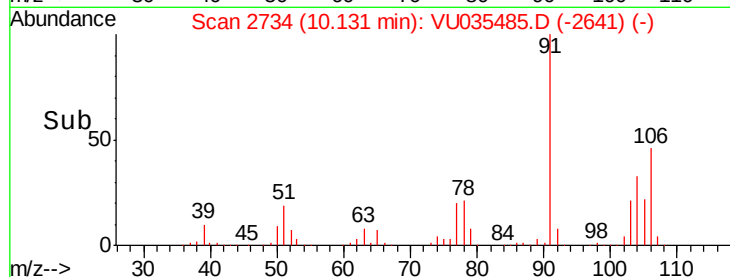
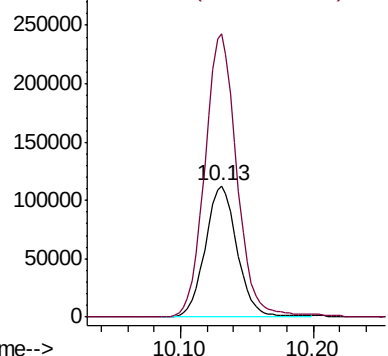
#54
o-Xylene
Concen: 5.028 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Tgt Ion:106 Resp: 188406
Ion Ratio Lower Upper
106 100
91 215.8 150.8 280.1

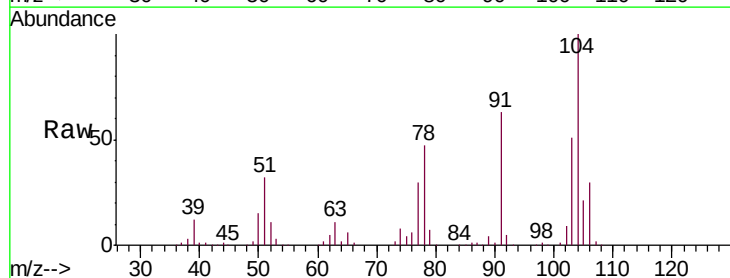


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

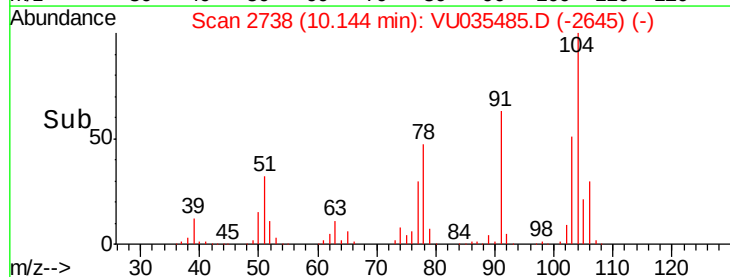
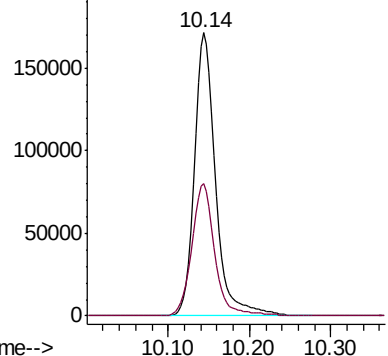


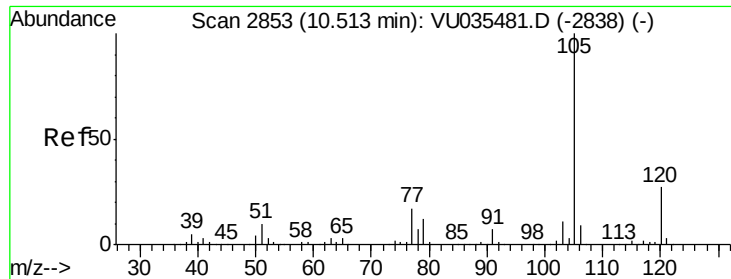
#55
Styrene
Concen: 5.145 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035485.D
Acq: 25 Oct 2019 13:47

Tgt Ion:104 Resp: 314874
Ion Ratio Lower Upper
104 100
78 46.7 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.006 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

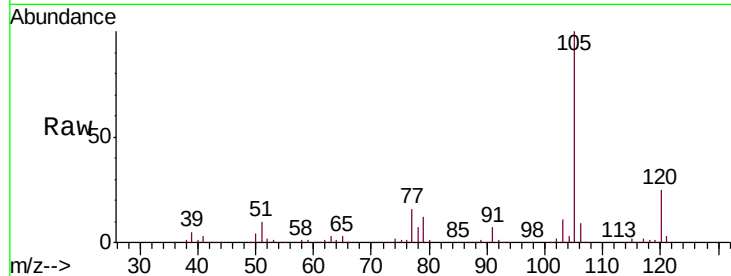
Tgt Ion: 105 Resp: 489871

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

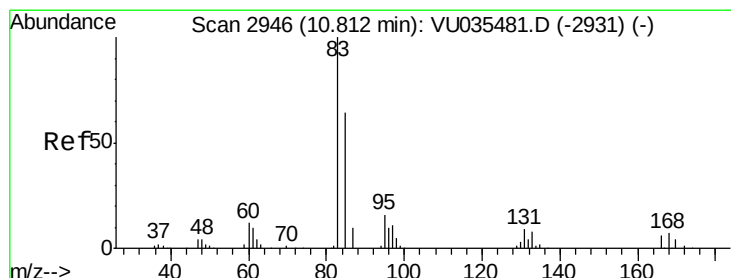
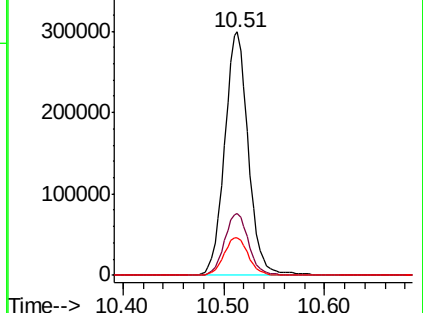
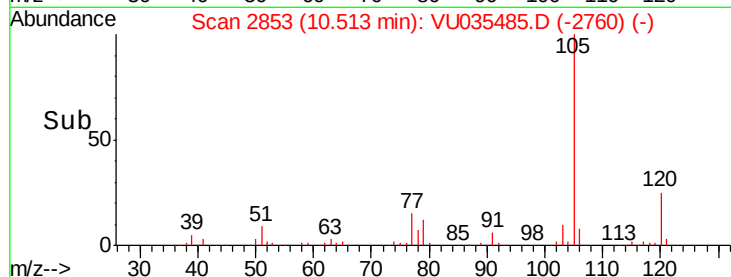
77 15.8 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.725 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

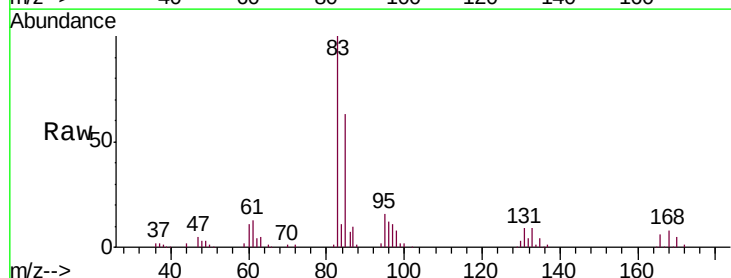
Tgt Ion: 83 Resp: 112006

Ion Ratio Lower Upper

83 100

85 63.3 44.7 83.1

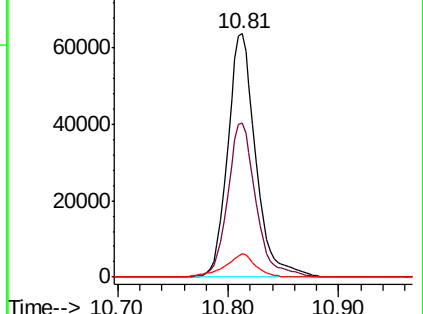
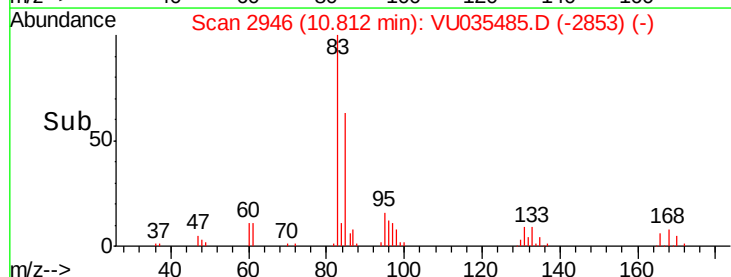
131 9.4 7.4 11.2

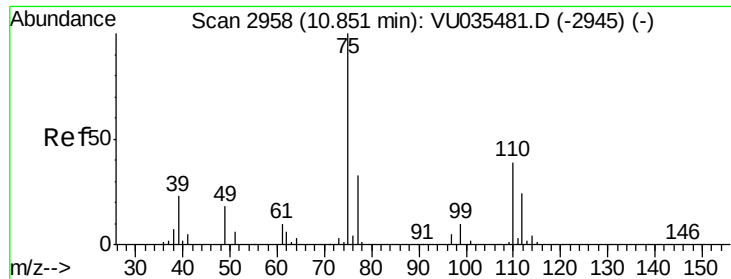


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.815 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

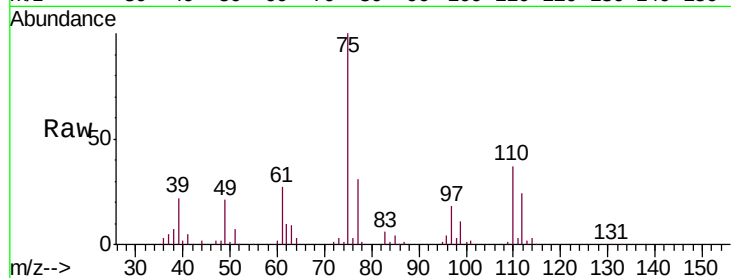
VSTD00555

Tgt Ion: 75 Resp: 80532

Ion Ratio Lower Upper

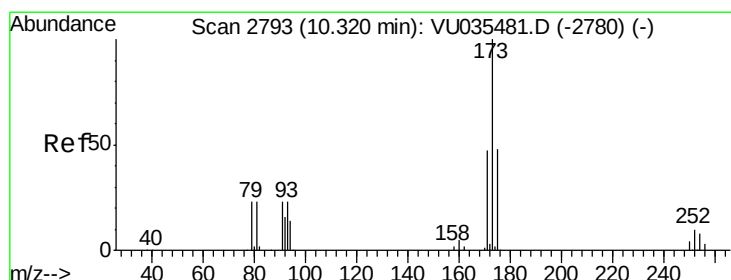
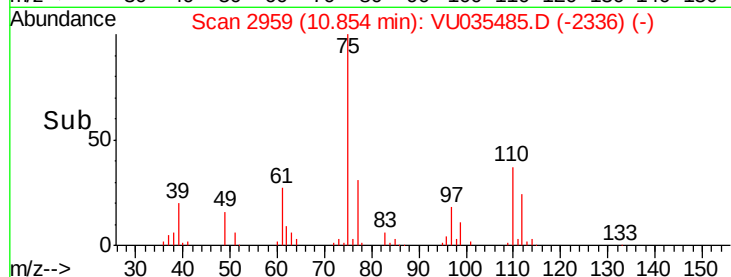
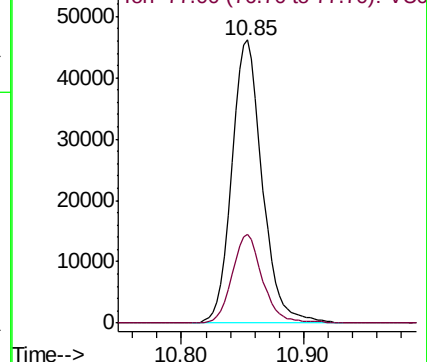
75 100

77 31.5 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 4.772 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

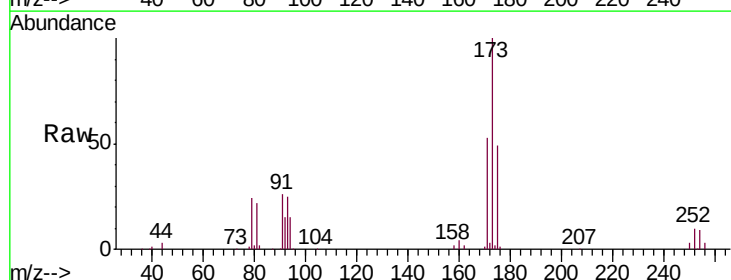
Tgt Ion: 173 Resp: 59089

Ion Ratio Lower Upper

173 100

175 48.3 39.1 58.7

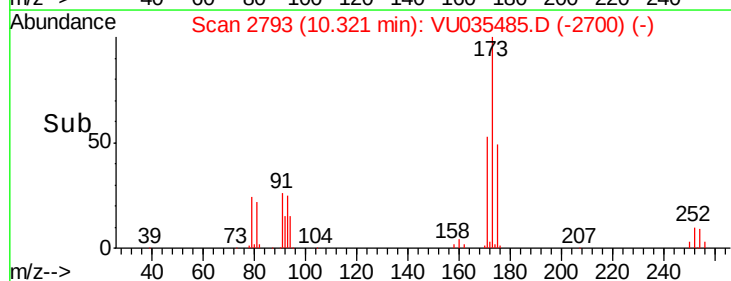
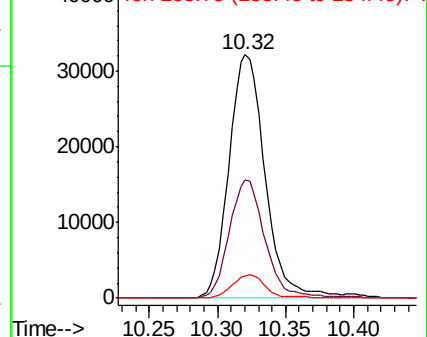
254 8.8 6.8 10.2

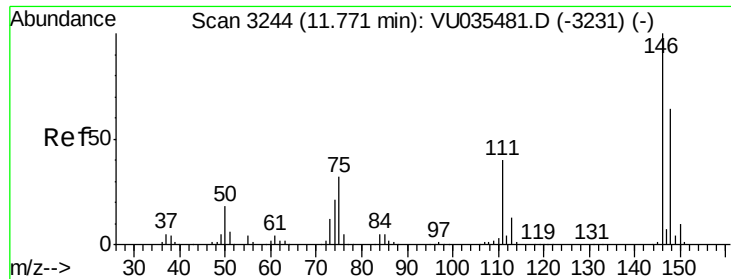


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

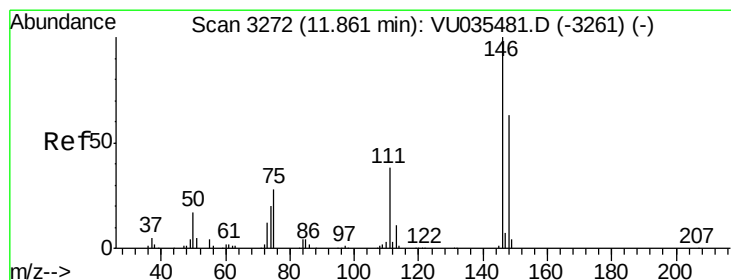
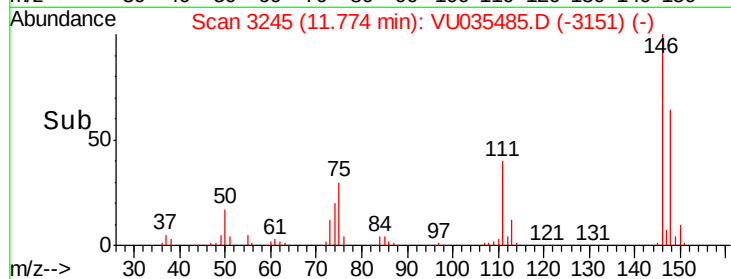
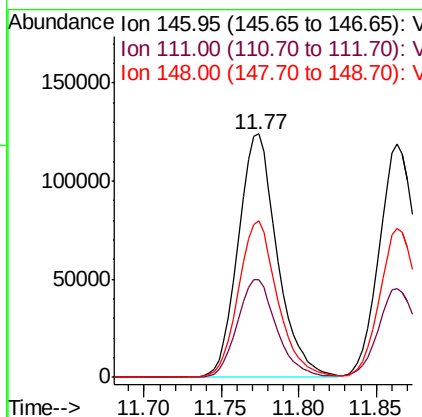
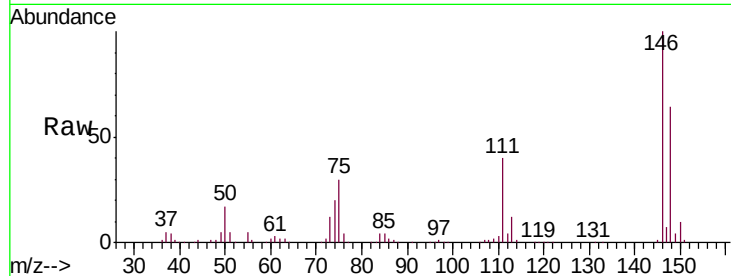




#62
 1,3-Dichlorobenzene
 Concen: 5.005 ug/L
 RT: 11.77 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

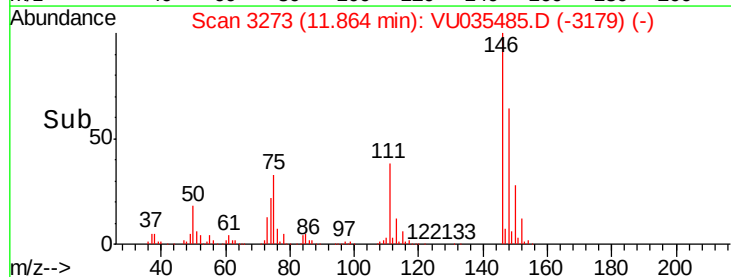
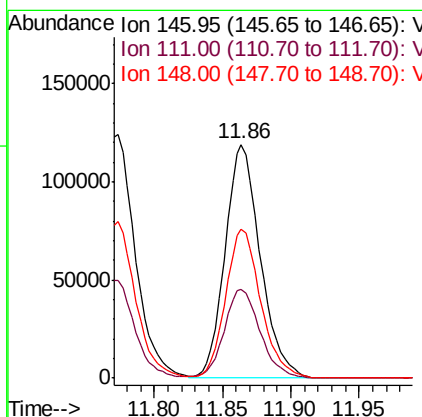
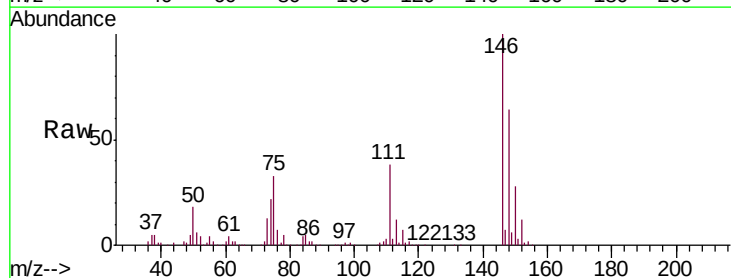
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

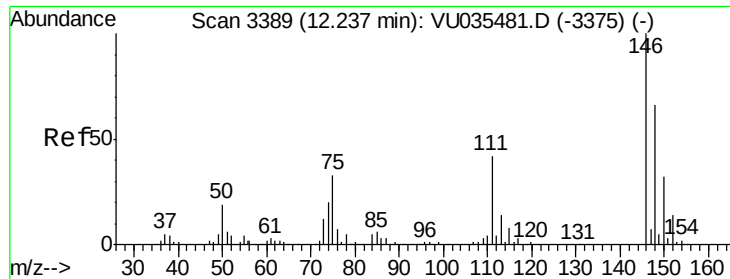
Tgt Ion:146 Resp: 217883
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.1 52.3
 148 64.1 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 4.921 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. 0.00 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

Tgt Ion:146 Resp: 213133
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.9 49.9
 148 64.0 44.2 82.2

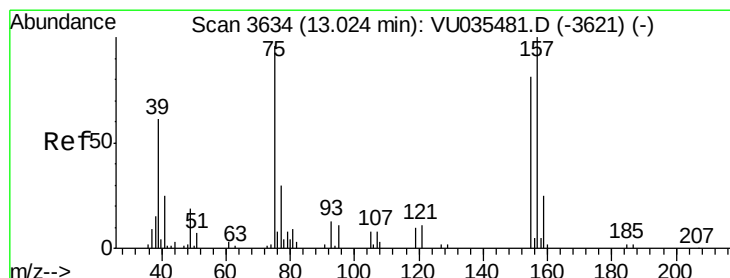
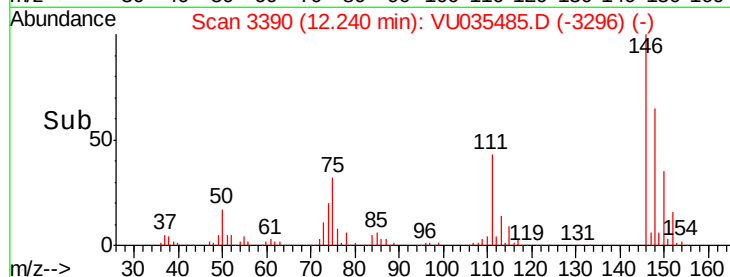
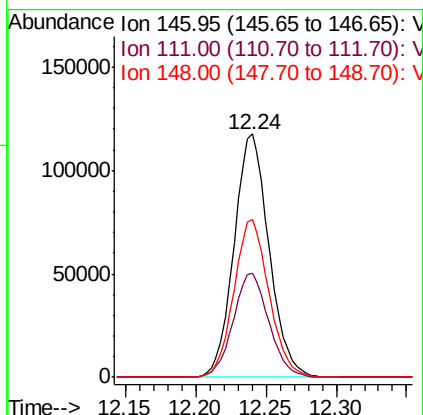
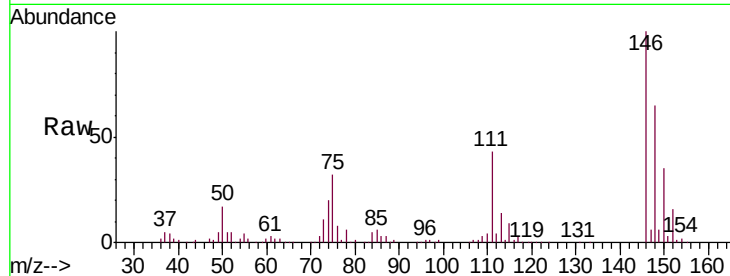




#65
 1,2-Dichlorobenzene
 Concen: 4.893 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

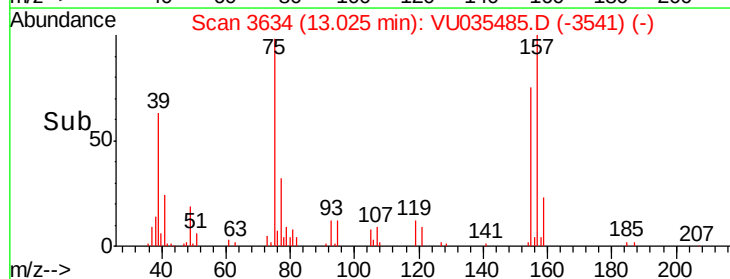
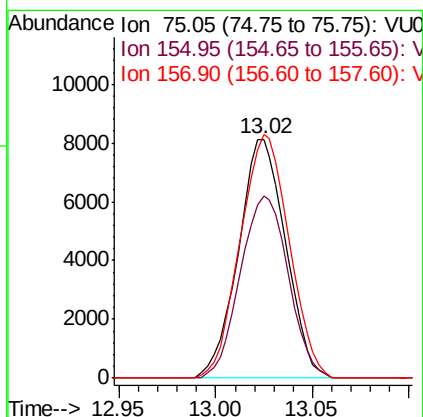
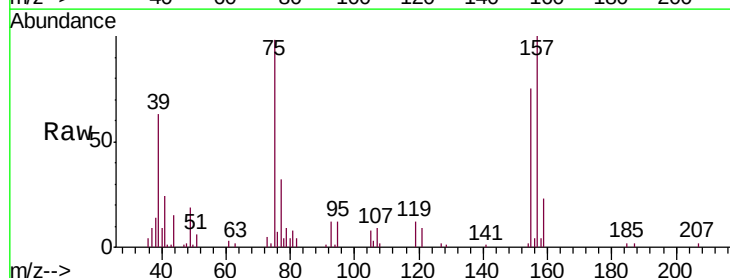
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

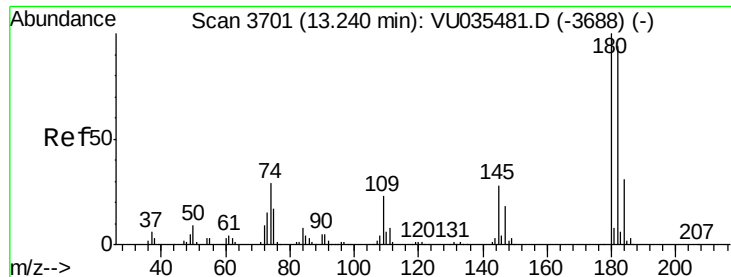
Tgt Ion: 146 Resp: 204620
 Ion Ratio Lower Upper
 146 100
 111 42.8 33.4 50.2
 148 64.7 52.7 79.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.911 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.00 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

Tgt Ion: 75 Resp: 13786
 Ion Ratio Lower Upper
 75 100
 155 76.1 67.1 100.7
 157 101.9 83.4 125.2

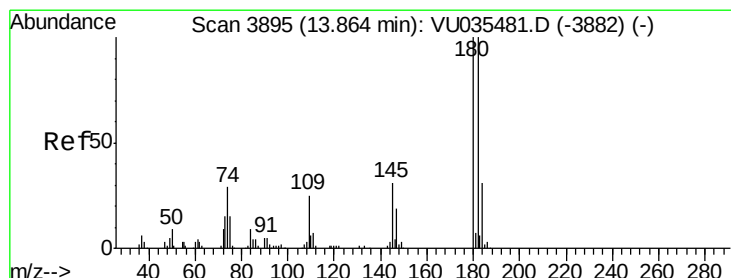
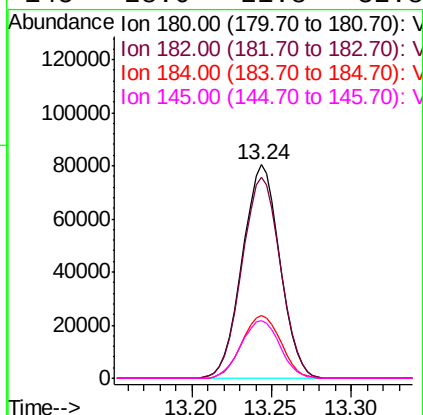
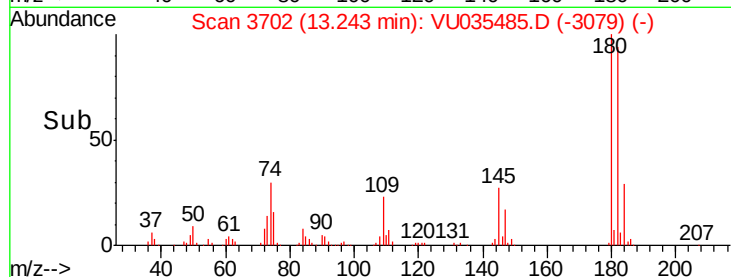
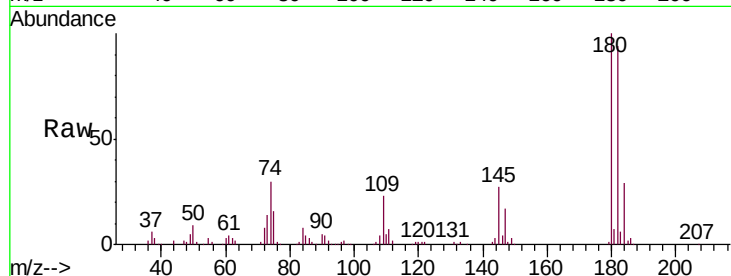




#67
 1,3,5-Trichlorobenzene
 Concen: 4.801 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

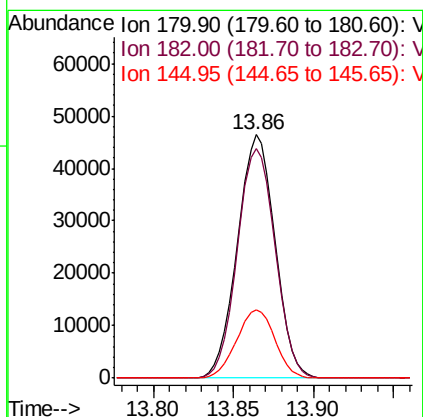
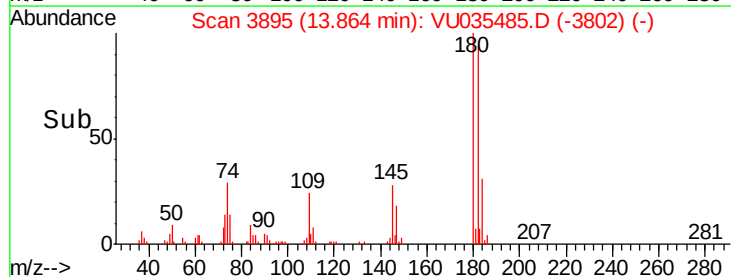
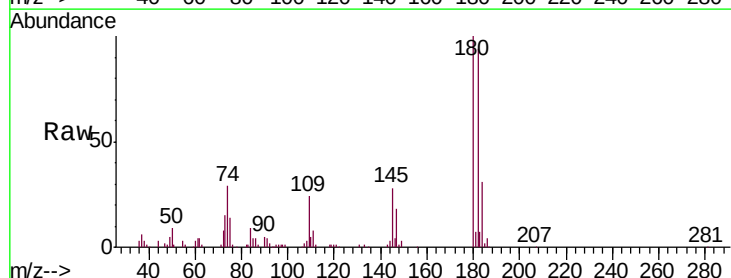
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

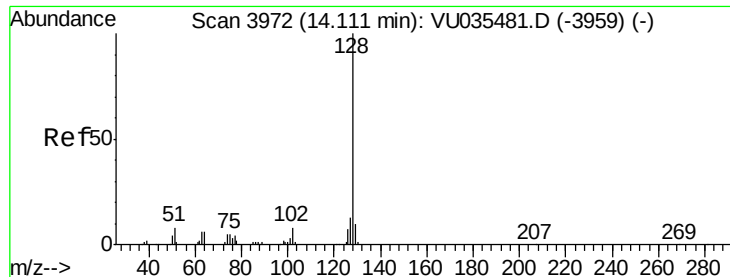
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.3	112.9
184	30.4	25.1	37.7
145	28.0	21.8	32.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.969 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035485.D
 Acq: 25 Oct 2019 13:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	78.7	118.1
145	28.4	23.4	35.2





#69

Naphthalene

Concen: 4.965 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

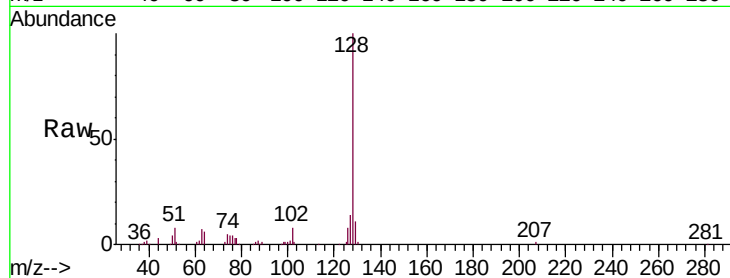
Tgt Ion:128 Resp: 101356

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

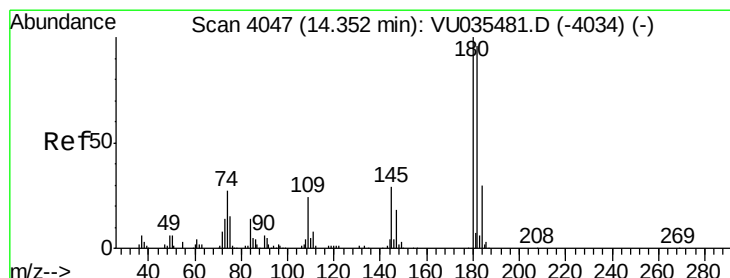
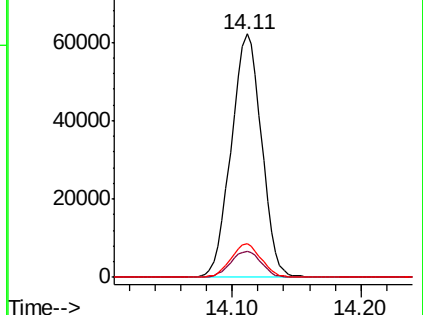
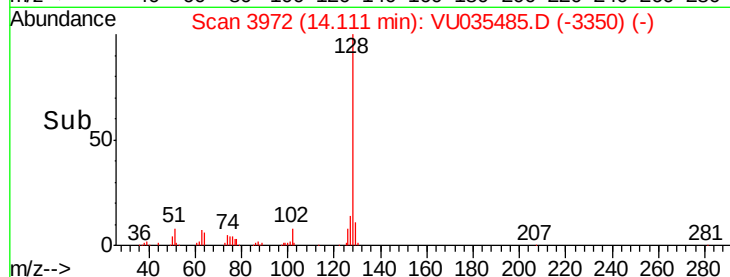
127 13.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.210 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035485.D

Acq: 25 Oct 2019 13:47

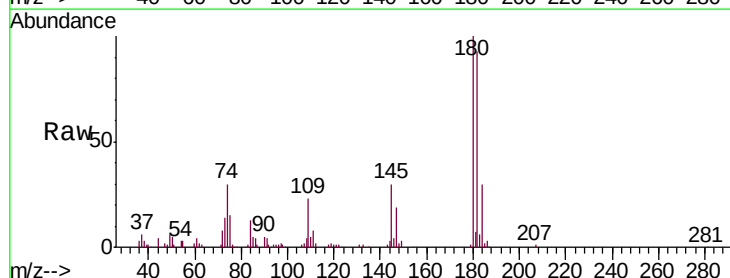
Tgt Ion:180 Resp: 77618

Ion Ratio Lower Upper

180 100

182 93.3 76.6 114.8

145 30.3 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

