

Data File : VU030485.D
Acq On : 27 Mar 2019 15:54
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

Quant Time: Mar 28 01:32:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	397676	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	381721	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	176488	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	157922	49.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.68%
7) Chloroethane-d5	1.67	69	131211	51.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.44%
11) 1,1-Dichloroethene-d2	2.27	63	308336	50.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.58%
21) 2-Butanone-d5	4.17	46	327317	108.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.80%
24) Chloroform-d	4.64	84	287884	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
26) 1,2-Dichloroethane-d4	5.31	65	184001	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
32) Benzene-d6	5.34	84	550698	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
36) 1,2-Dichloropropane-d6	6.33	67	196328	52.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.84%
41) Toluene-d8	7.56	98	489360	49.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.56%
43) trans-1,3-Dichloropropene-	7.85	79	90763	51.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.08%
47) 2-Hexanone-d5	8.31	63	221667	109.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	282957	52.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	178877	50.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	218781	49.862 ug/L	99
3) Chloromethane	1.33	50	256016	52.171 ug/L	100
5) Vinyl chloride	1.40	62	238056	51.157 ug/L	100
6) Bromomethane	1.61	94	107403	50.312 ug/L	100
8) Chloroethane	1.69	64	146655	55.824 ug/L	94
9) Trichlorofluoromethane	1.88	101	268144	52.841 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	149947	51.663 ug/L	98
12) 1,1-Dichloroethene	2.28	96	146441	51.468 ug/L	98
13) Acetone	2.32	43	277305	91.142 ug/L	98
14) Carbon disulfide	2.48	76	452140	48.061 ug/L	99
15) Methyl Acetate	2.61	43	243813	52.334 ug/L #	100
16) Methylene chloride	2.70	84	173272	51.659 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	148494	49.746 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	522580	52.938 ug/L	99
19) 1,1-Dichloroethane	3.44	63	323328	52.795 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	170399	50.900 ug/L	99
22) 2-Butanone	4.26	43	371308	100.965 ug/L	99

Data File : VU030485.D
Acq On : 27 Mar 2019 15:54
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

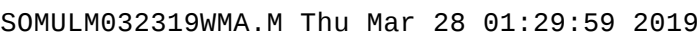
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

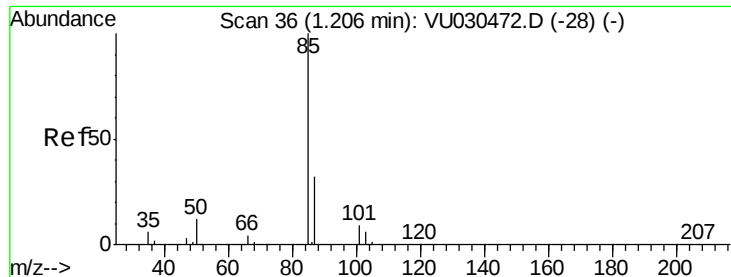
Quant Time: Mar 28 01:32:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	81102	52.122	ug/L	95
25) Chloroform	4.67	83	305708	52.502	ug/L	99
27) 1,2-Dichloroethane	5.40	62	249590	54.626	ug/L	99
29) Cyclohexane	4.99	56	308445	53.395	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	252617	54.047	ug/L	99
31) Carbon tetrachloride	5.13	117	212014	53.516	ug/L	98
33) Benzene	5.39	78	696712	53.617	ug/L	100
34) Trichloroethene	6.18	95	160463	50.233	ug/L	99
35) Methylcyclohexane	6.41	83	267858	50.957	ug/L	99
37) 1,2-Dichloropropane	6.43	63	192715	52.260	ug/L	100
38) Bromodichloromethane	6.75	83	231109	52.745	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	284128	53.605	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	659113	106.410	ug/L	99
42) Toluene	7.63	91	715232	53.036	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	253579	54.372	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	164764	52.880	ug/L	99
46) Tetrachloroethene	8.22	164	115694	51.854	ug/L	99
48) 2-Hexanone	8.36	43	519781	102.388	ug/L	99
49) Dibromochloromethane	8.47	129	172301	53.220	ug/L	95
50) 1,2-Dibromoethane	8.58	107	176596	52.811	ug/L	99
51) Chlorobenzene	9.12	112	424935	51.991	ug/L	97
52) Ethylbenzene	9.25	91	775460	53.082	ug/L	99
53) m,p-Xylene	9.37	106	274722	52.082	ug/L	98
54) o-xylene	9.77	106	276645	53.750	ug/L	99
55) Styrene	9.79	104	472673	53.313	ug/L	100
56) Isopropylbenzene	10.16	105	725411	53.229	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	301766	52.550	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	237396	52.890	ug/L	100
61) Bromoform	9.95	173	125320	53.407	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	303009	52.500	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	306214	51.536	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	307442	52.680	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	66836	51.433	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	215157	49.796	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	191211	50.932	ug/L	99
69) Naphthalene	13.74	128	590623	44.243	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	193554	48.824	ug/L	98

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

Quant Time: Mar 28 01:32:07 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.862 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

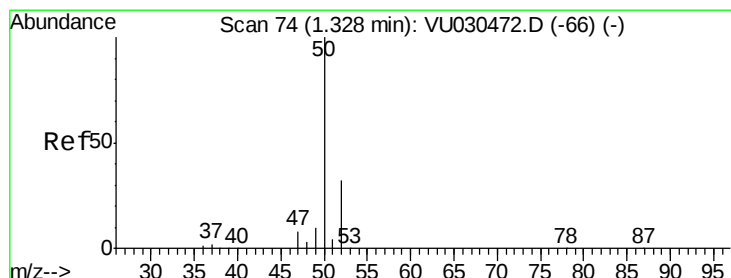
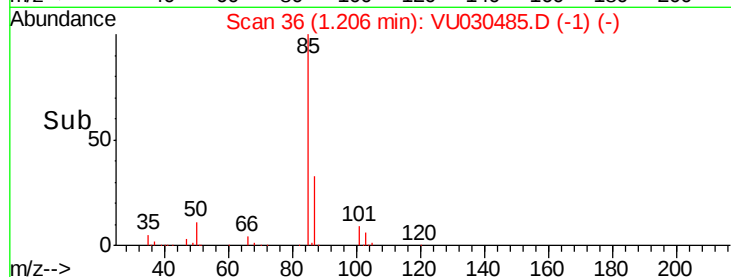
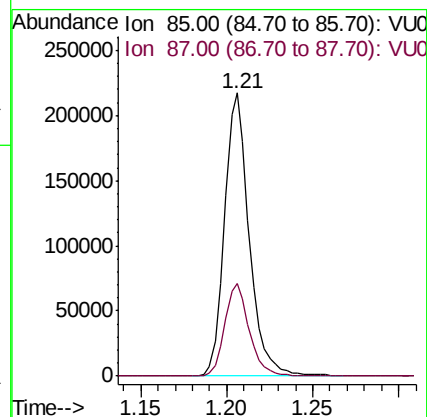
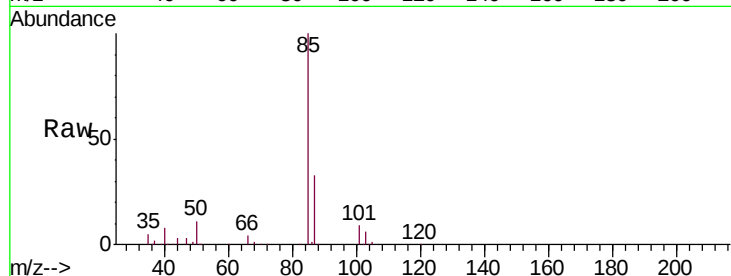
VSTD05036

Tgt Ion: 85 Resp: 218781

Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



#3

Chloromethane

Concen: 52.171 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030485.D

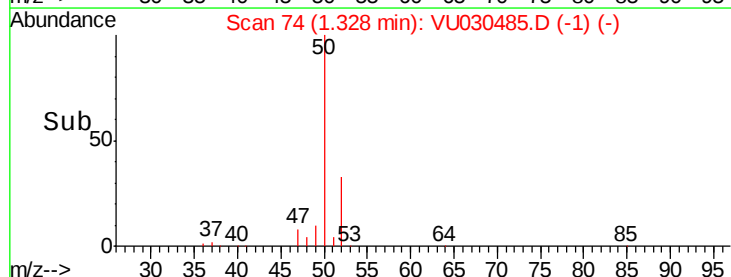
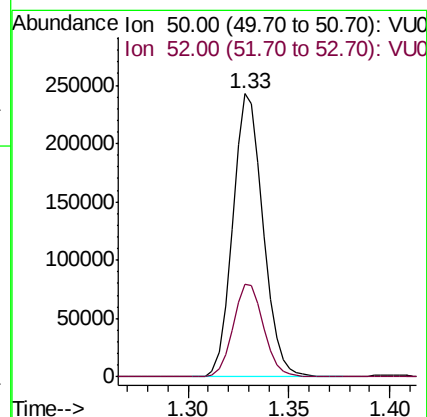
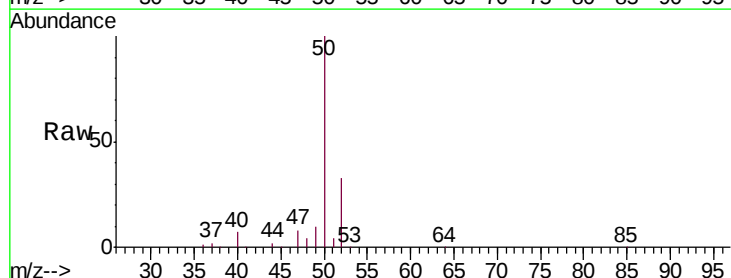
Acq: 27 Mar 2019 15:54

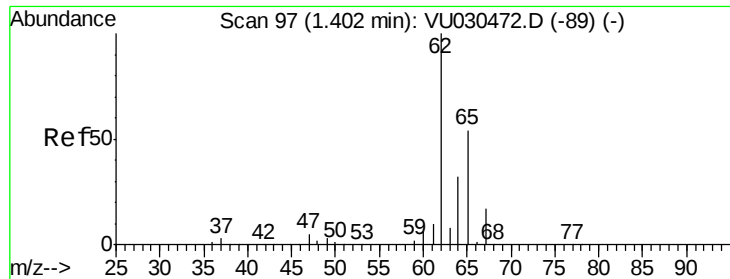
Tgt Ion: 50 Resp: 256016

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.6





#5

Vinyl chloride

Concen: 51.157 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

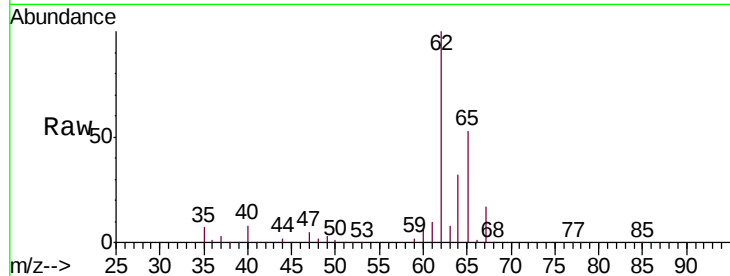
VSTD05036

Tgt Ion: 62 Resp: 238056

Ion Ratio Lower Upper

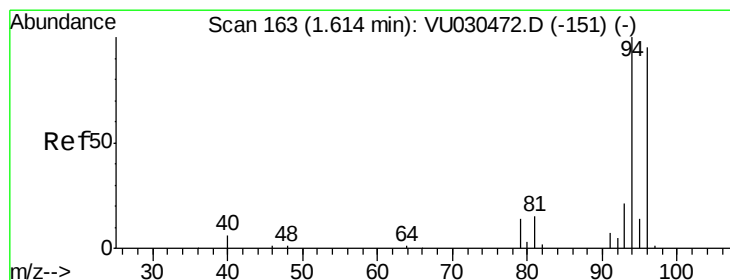
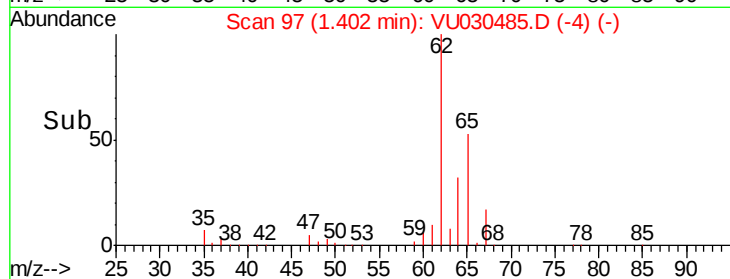
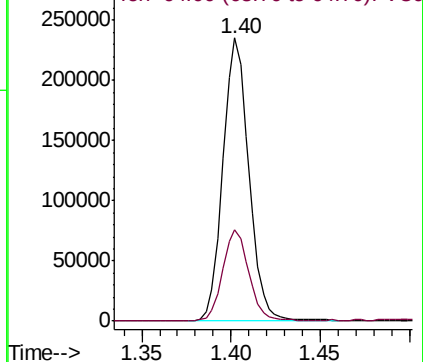
62 100

64 32.5 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 50.312 ug/L

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU030485.D

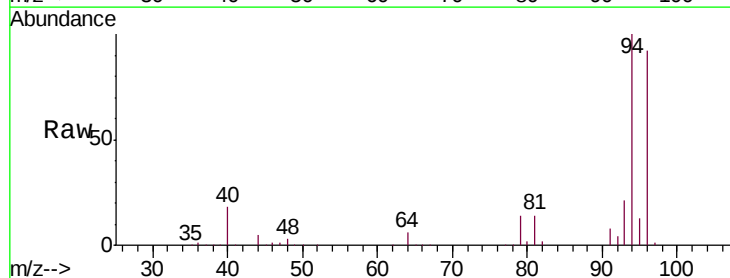
Acq: 27 Mar 2019 15:54

Tgt Ion: 94 Resp: 107403

Ion Ratio Lower Upper

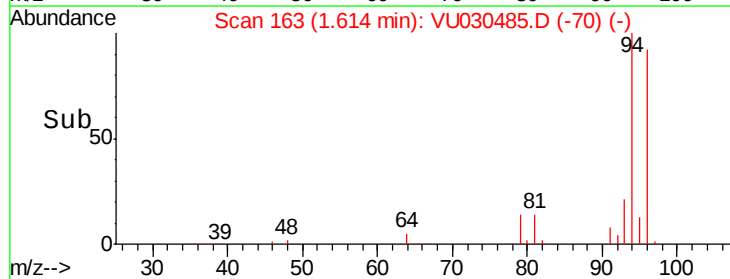
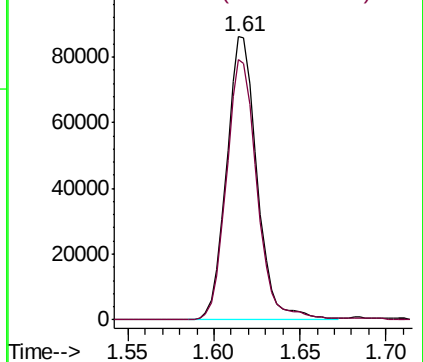
94 100

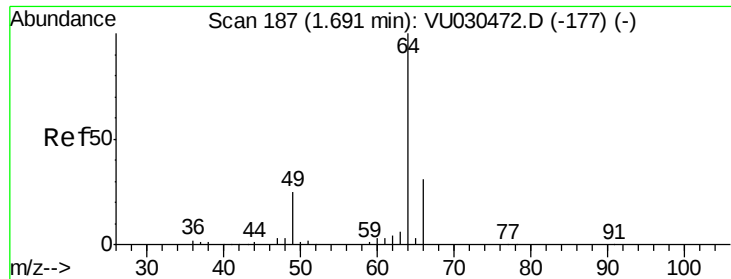
96 92.0 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 55.824 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

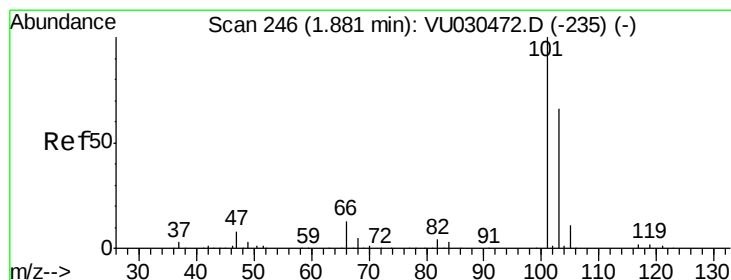
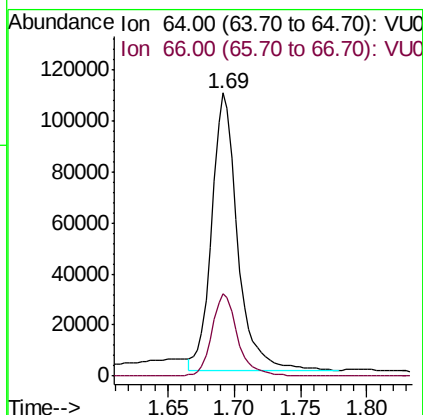
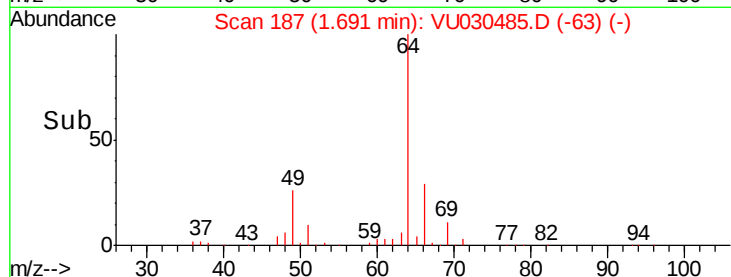
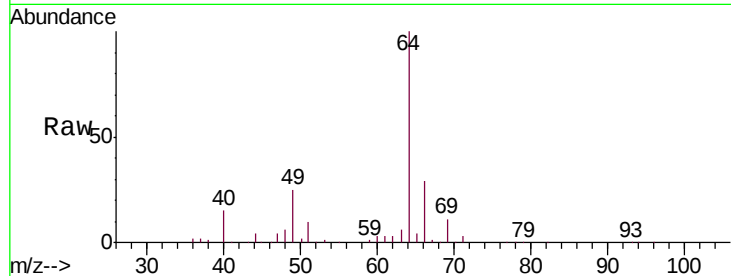
VSTD05036

Tgt Ion: 64 Resp: 146655

Ion Ratio Lower Upper

64 100

66 28.9 22.5 41.7



#9

Trichlorofluoromethane

Concen: 52.841 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU030485.D

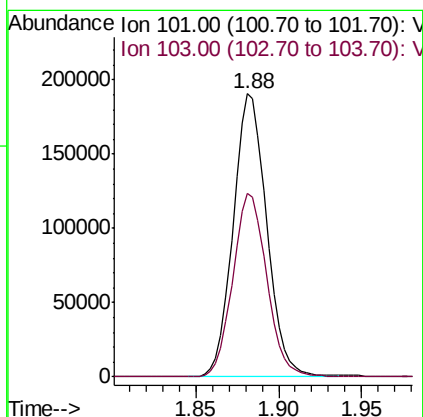
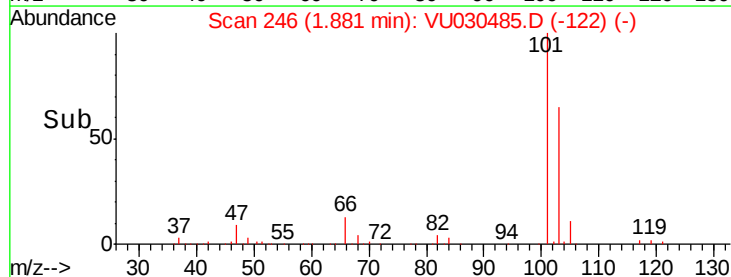
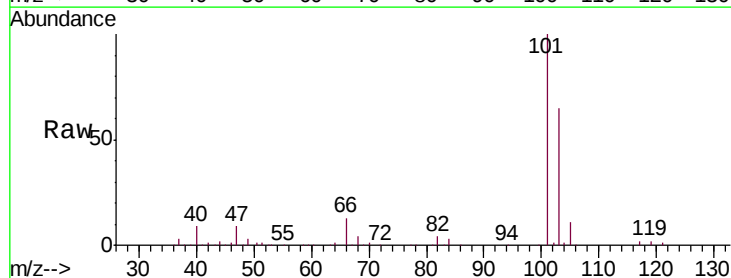
Acq: 27 Mar 2019 15:54

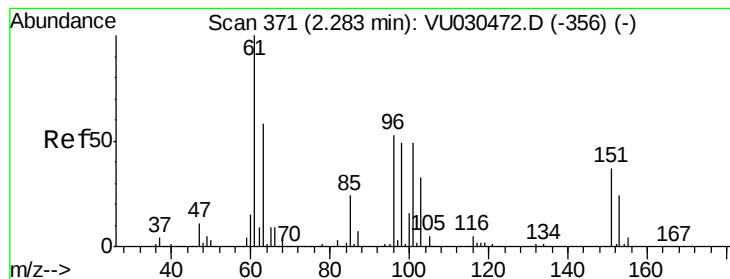
Tgt Ion: 101 Resp: 268144

Ion Ratio Lower Upper

101 100

103 65.4 51.1 76.7





#10

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

Concen: 51.663 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

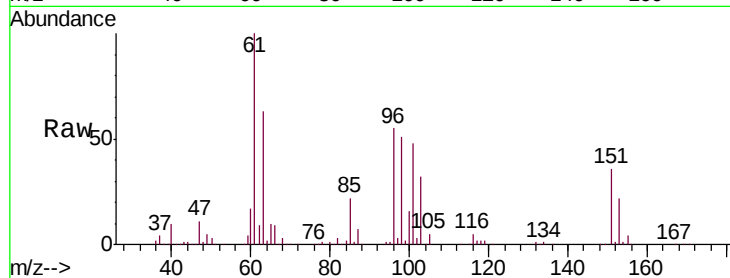
Tgt Ion: 101 Resp: 149947

Ion Ratio Lower Upper

101 100

85 45.3 34.8 52.2

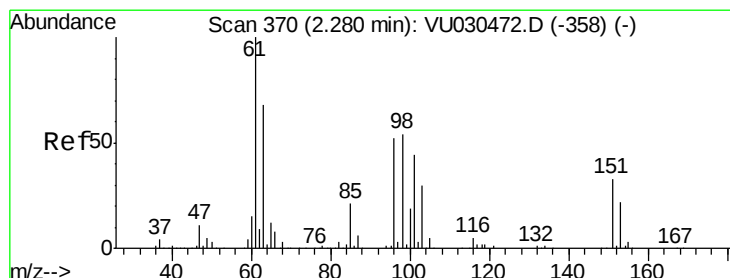
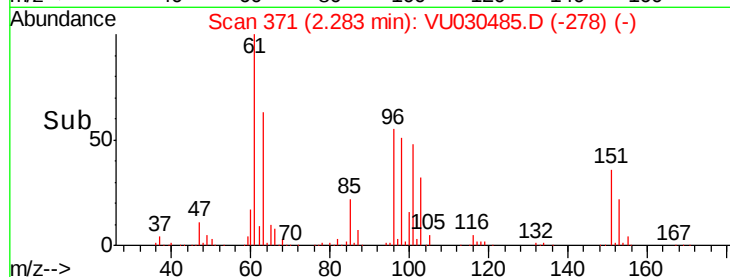
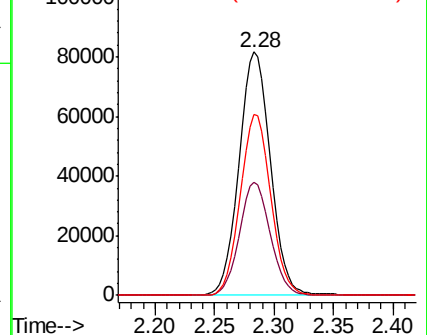
151 72.2 56.6 85.0



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: 51.468 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

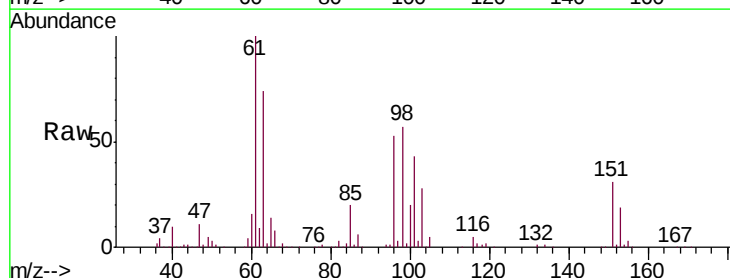
Tgt Ion: 96 Resp: 146441

Ion Ratio Lower Upper

96 100

61 187.5 131.0 243.4

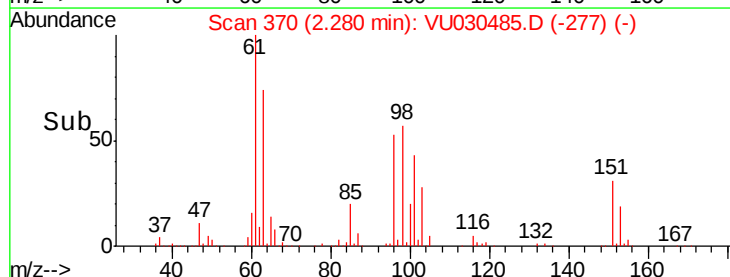
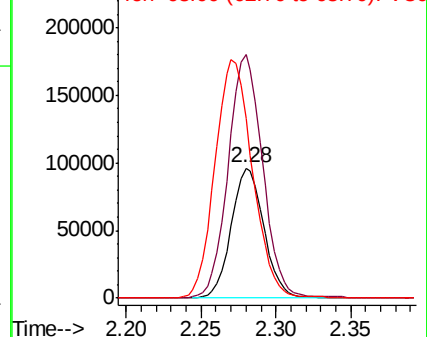
63 138.6 92.4 171.6

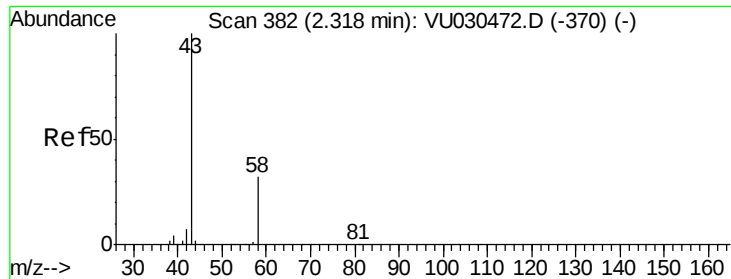


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 91.142 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

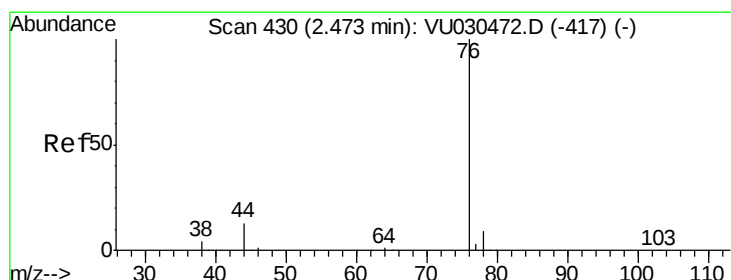
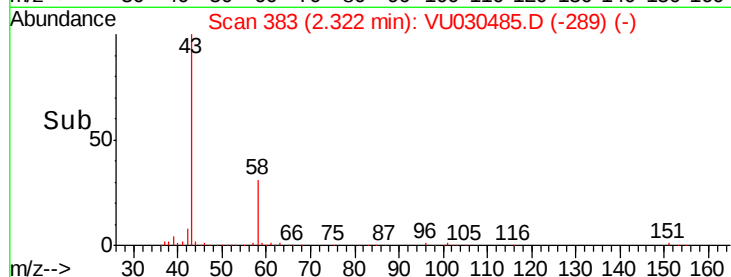
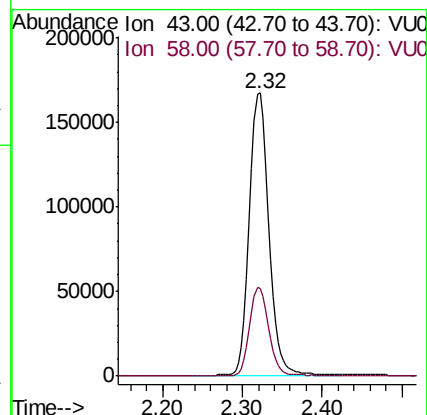
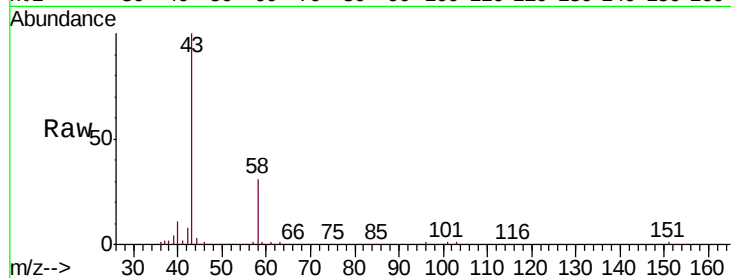
VSTD05036

Tgt Ion: 43 Resp: 277305

Ion Ratio Lower Upper

43 100

58 30.4 0.0 62.8



#14

Carbon disulfide

Concen: 48.061 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030485.D

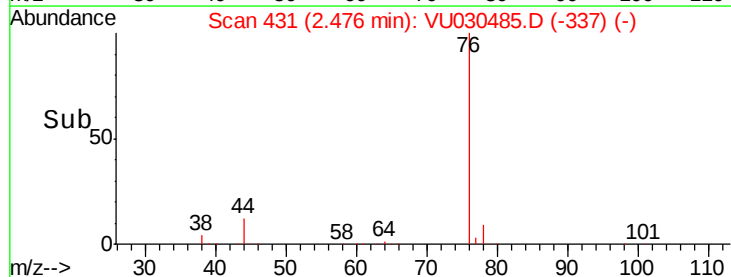
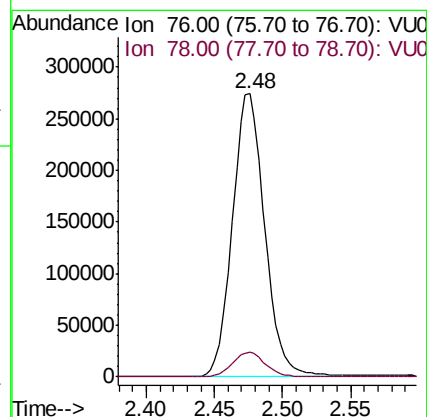
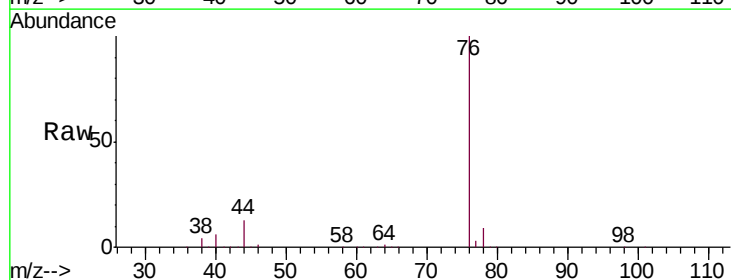
Acq: 27 Mar 2019 15:54

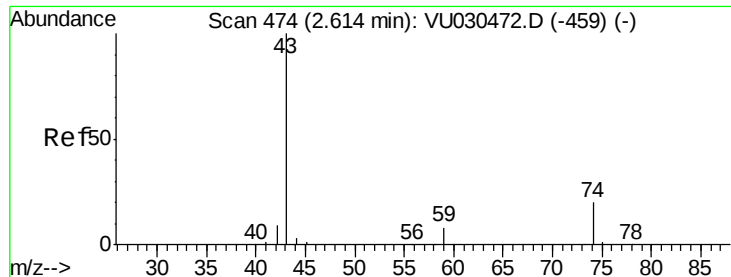
Tgt Ion: 76 Resp: 452140

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9





#15

Methyl Acetate

Concen: 52.334 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

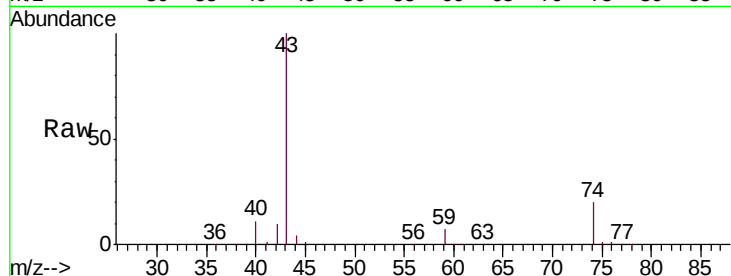
VSTD05036

Tgt Ion: 43 Resp: 243813

Ion Ratio Lower Upper

43 100

74 20.1 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VU030472.D (-459) (-)

Ion 74.00 (73.70 to 74.70): VU030472.D (-459) (-)

2.61

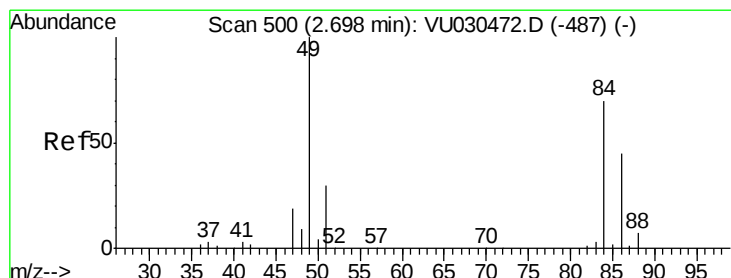
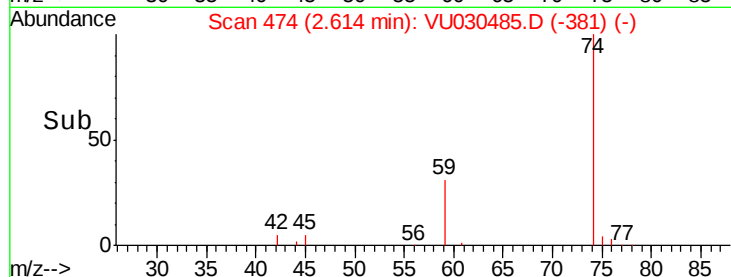
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 51.659 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

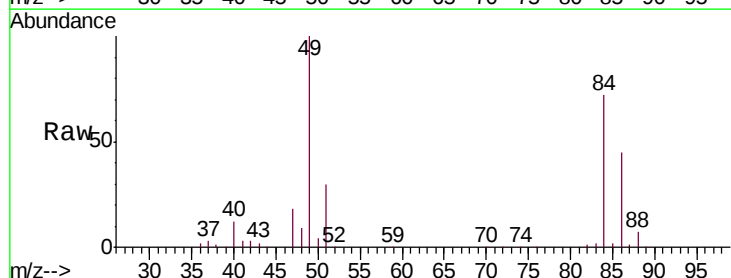
Tgt Ion: 84 Resp: 173272

Ion Ratio Lower Upper

84 100

86 62.3 44.3 82.3

49 139.0 94.9 176.3



Abundance Ion 84.00 (83.70 to 84.70): VU030472.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU030472.D (-487) (-)

Ion 49.00 (48.70 to 49.70): VU030472.D (-487) (-)

2.70

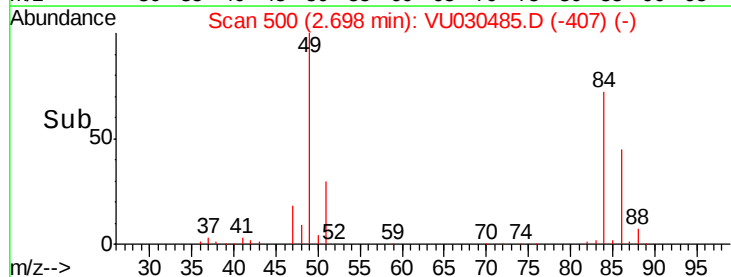
150000

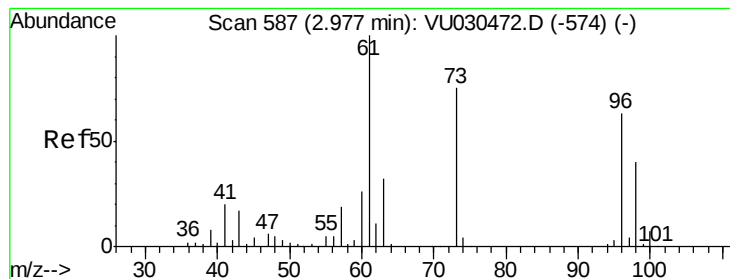
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 49.746 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

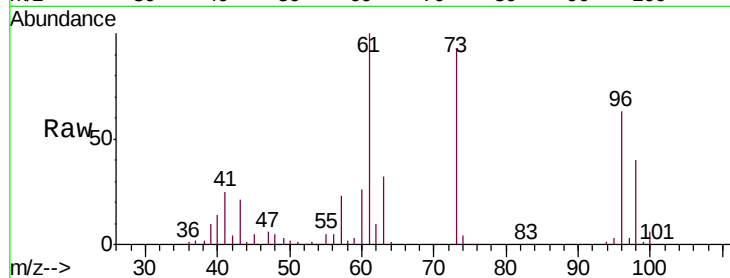
Tgt Ion: 96 Resp: 148494

Ion Ratio Lower Upper

96 100

61 159.3 108.6 201.8

98 63.5 42.3 78.5

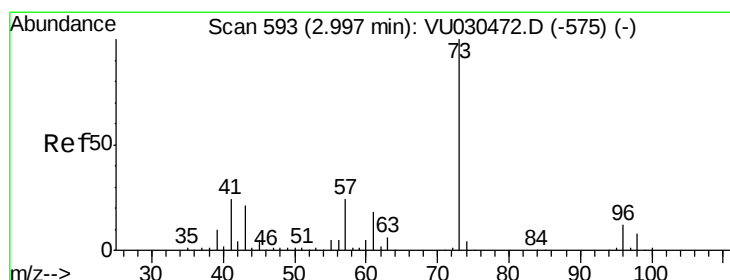
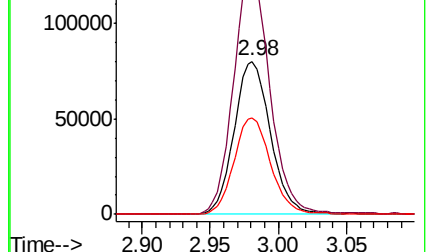
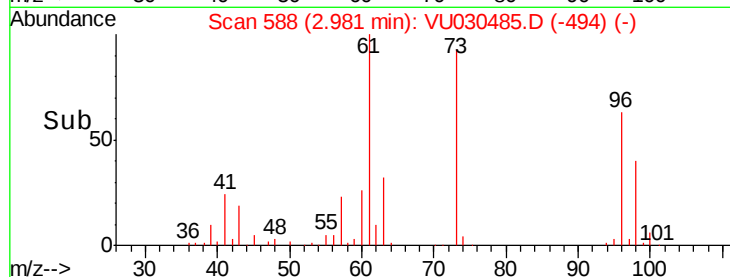


Abundance Ion 96.00 (95.70 to 96.70): VU030472.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU030472.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU030472.D (-574) (-)

Time-->



#18

Methyl tert-butyl Ether

Concen: 52.938 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

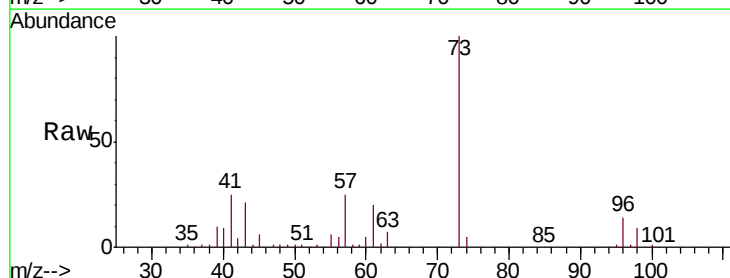
Tgt Ion: 73 Resp: 522580

Ion Ratio Lower Upper

73 100

43 21.0 16.6 24.8

57 24.0 18.9 28.3

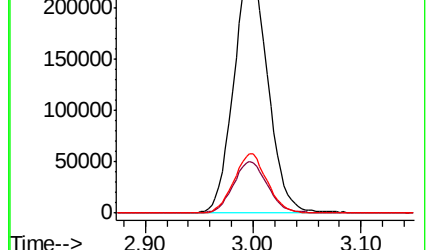
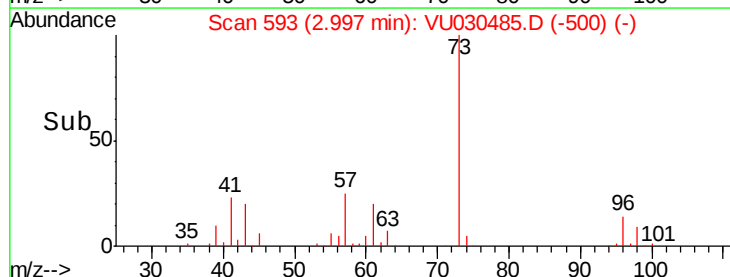


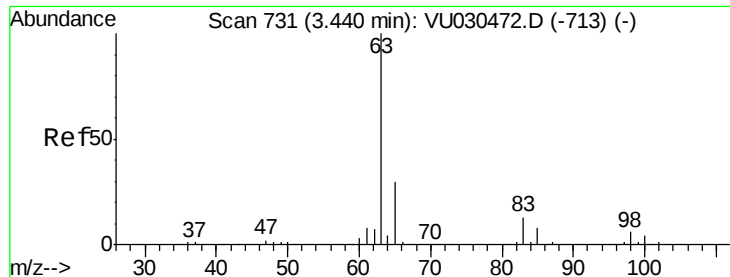
Abundance Ion 73.00 (72.70 to 73.70): VU030472.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU030472.D (-575) (-)

Ion 57.00 (56.70 to 57.70): VU030472.D (-575) (-)

Time-->

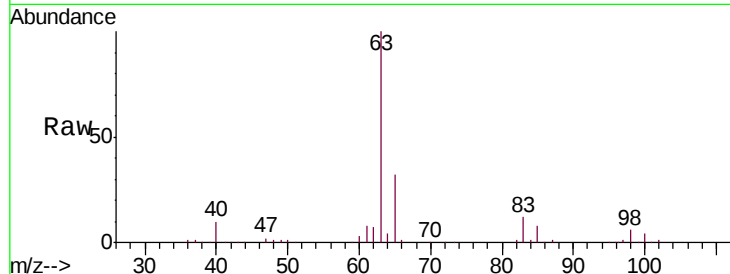




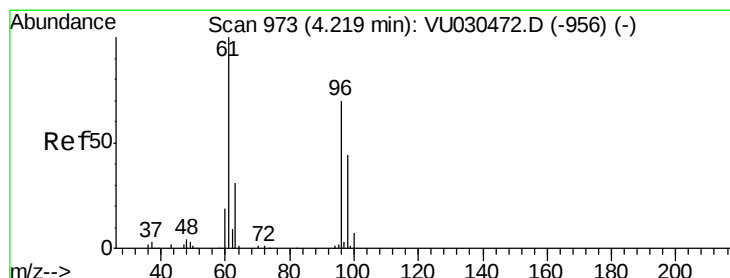
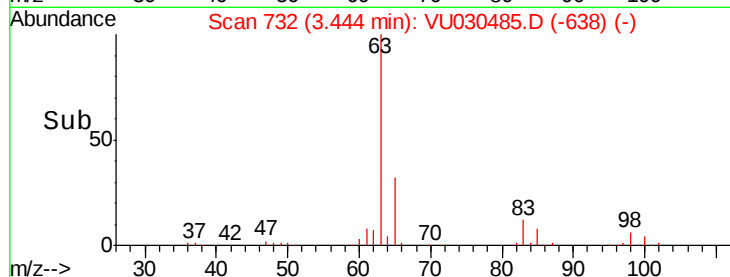
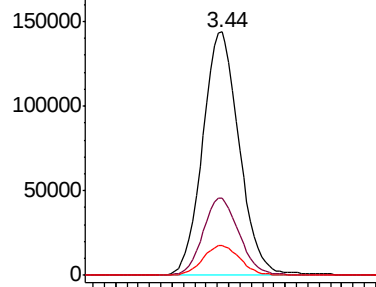
#19
 1,1-Dichloroethane
 Concen: 52.795 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Tgt Ion: 63 Resp: 323328
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 40.8
 83 12.3 9.1 16.9

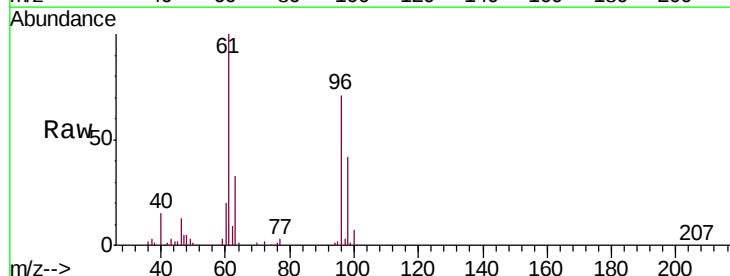


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

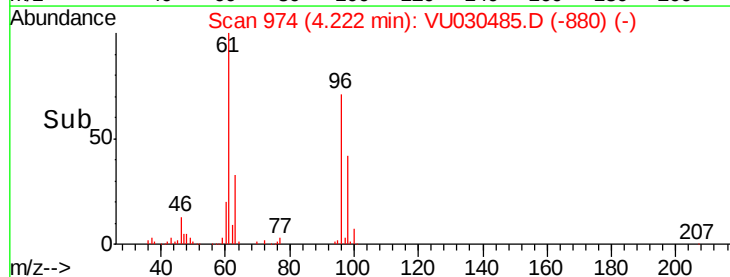
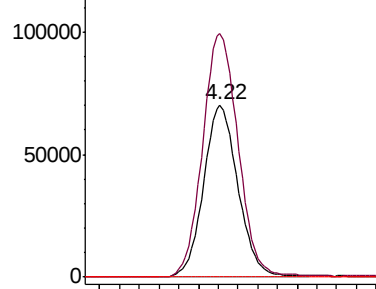


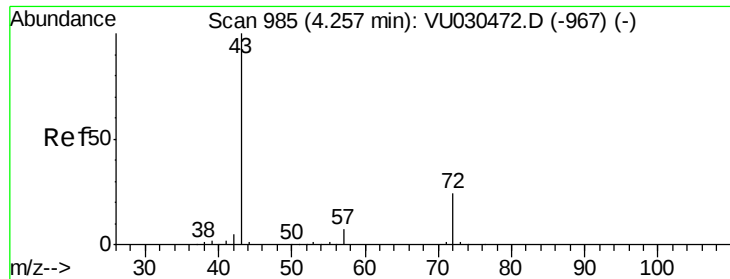
#20
 cis-1,2-Dichloroethene
 Concen: 50.900 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

Tgt Ion: 96 Resp: 170399
 Ion Ratio Lower Upper
 96 100
 61 141.5 98.4 182.8
 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: 100.965 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

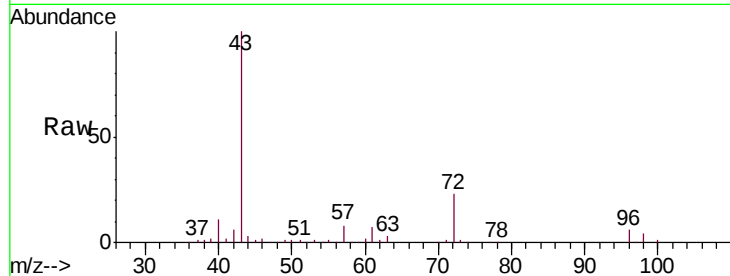
VSTD05036

Tgt Ion: 43 Resp: 371308

Ion Ratio Lower Upper

43 100

72 23.7 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU030472.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU030472.D (-967) (-)

4.26

150000

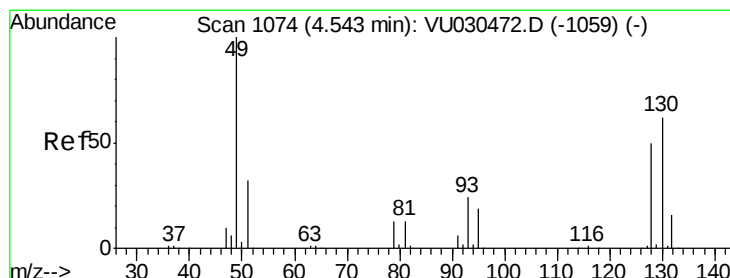
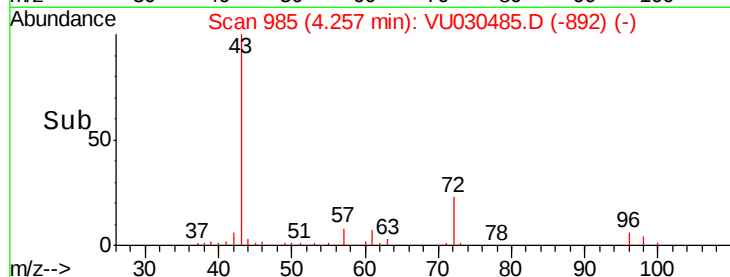
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 52.122 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Tgt Ion: 128 Resp: 81102

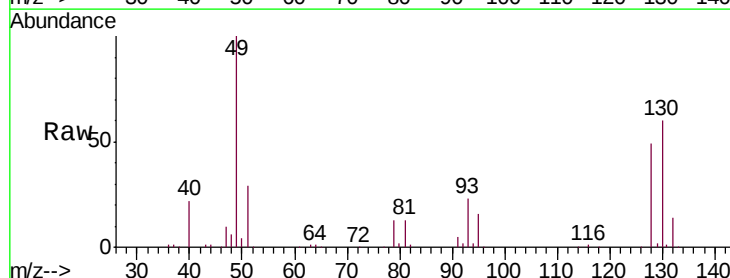
Ion Ratio Lower Upper

128 100

49 206.1 145.5 270.3

130 123.6 95.3 177.1

51 60.7 52.2 78.2



Abundance Ion 128.00 (127.70 to 128.70): VU030472.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU030472.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU030472.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU030472.D (-1059) (-)

100000

80000

60000

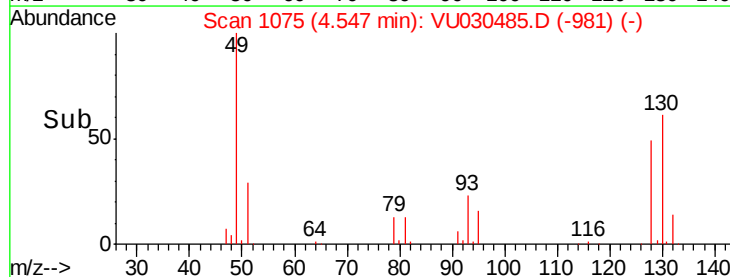
40000

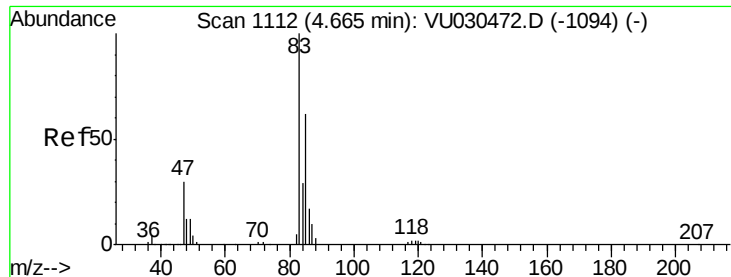
20000

0

4.50 4.55 4.60

Time-->





#25

Chloroform

Concen: 52.502 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

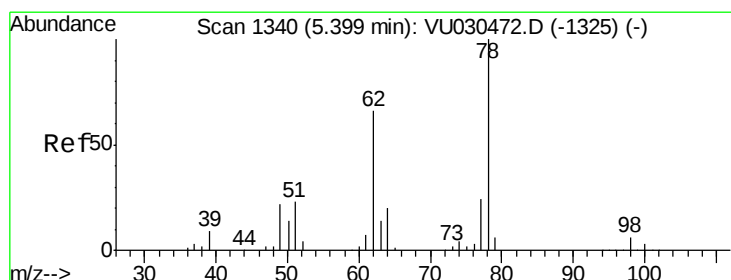
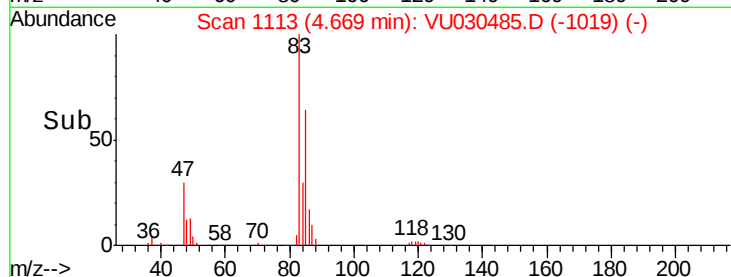
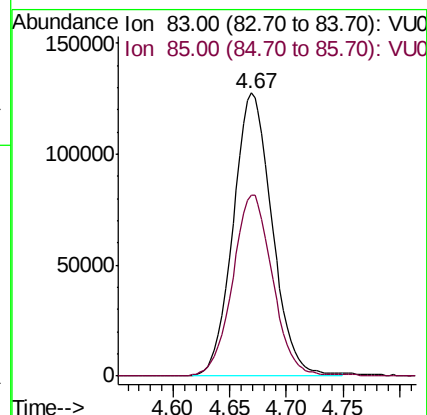
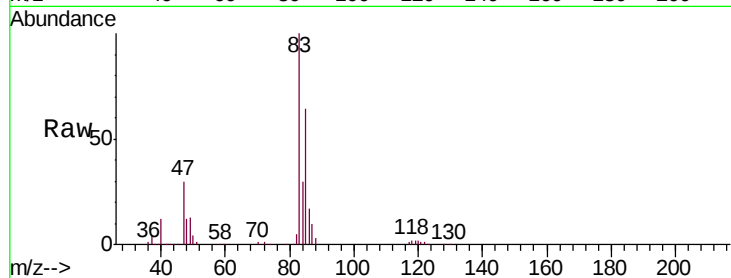
VSTD05036

Tgt Ion: 83 Resp: 305708

Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.4



#27

1,2-Dichloroethane

Concen: 54.626 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030485.D

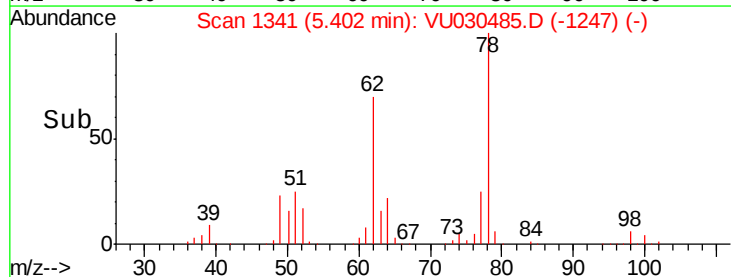
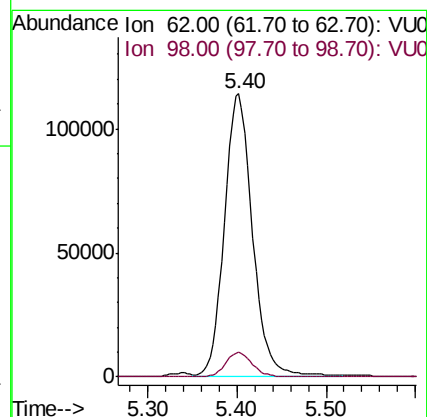
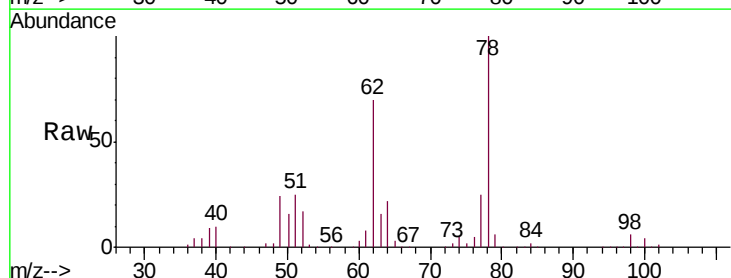
Acq: 27 Mar 2019 15:54

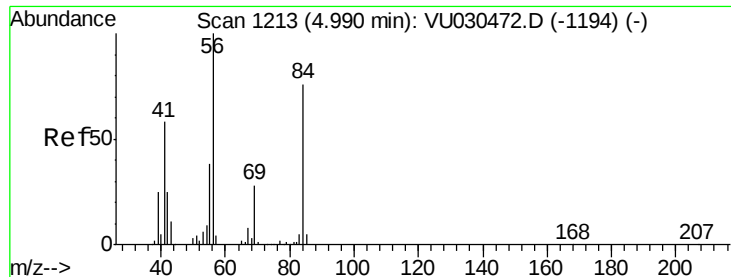
Tgt Ion: 62 Resp: 249590

Ion Ratio Lower Upper

62 100

98 8.6 7.2 10.8

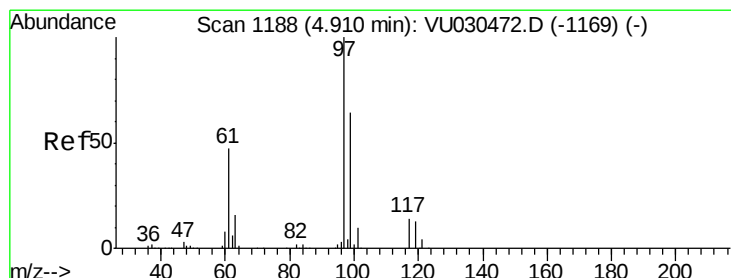
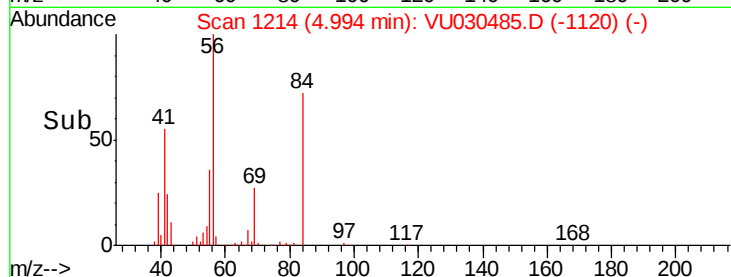
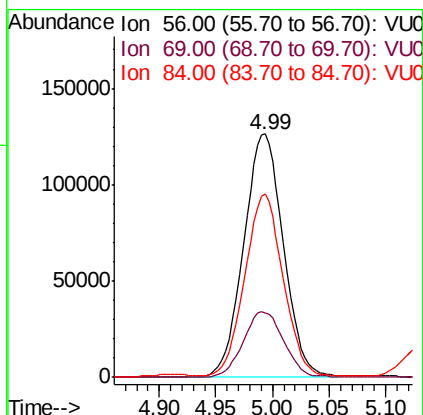
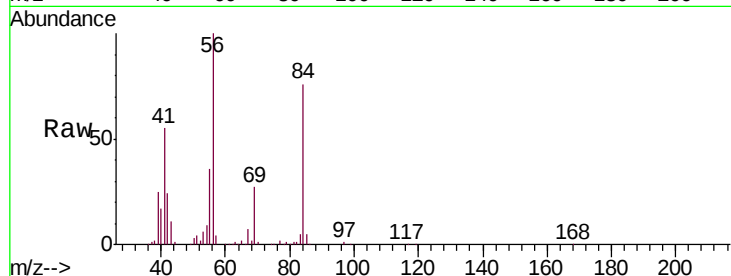




#29
Cyclohexane
Concen: 53.395 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU030485.D
Acq: 27 Mar 2019 15:54

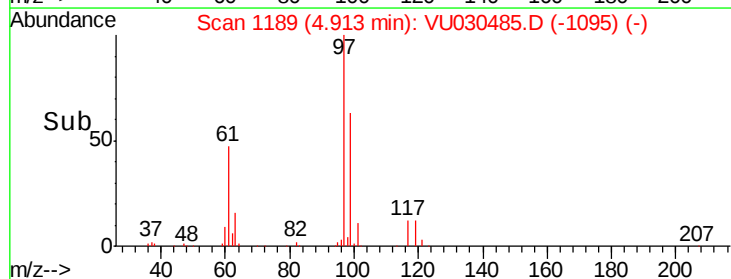
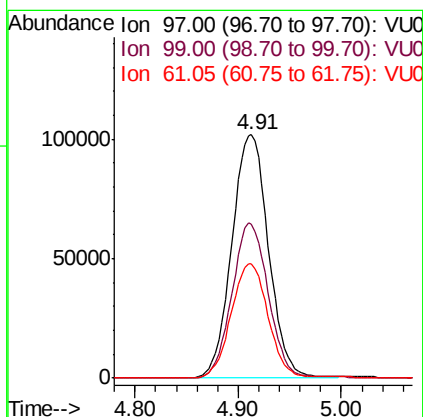
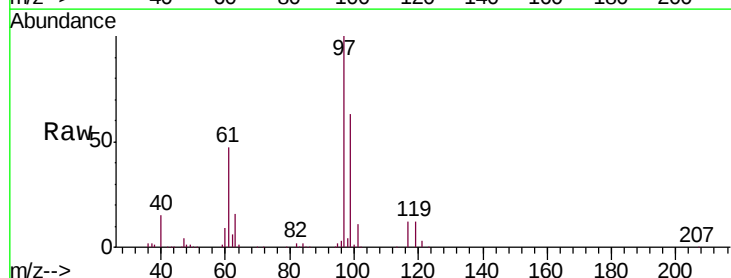
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

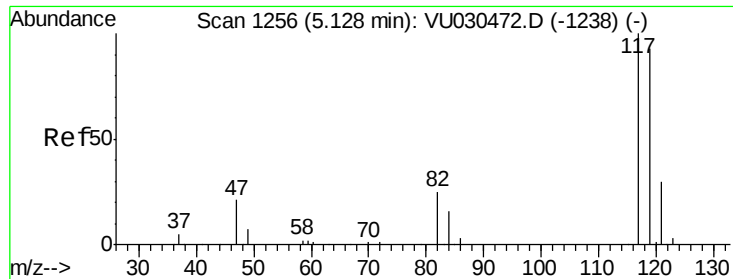
Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.6	22.9	34.3
84	72.2	58.9	88.3



#30
1,1,1-Trichloroethane
Concen: 54.047 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU030485.D
Acq: 27 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.8	77.6
61	47.4	38.2	57.4





#31

Carbon tetrachloride

Concen: 53.516 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

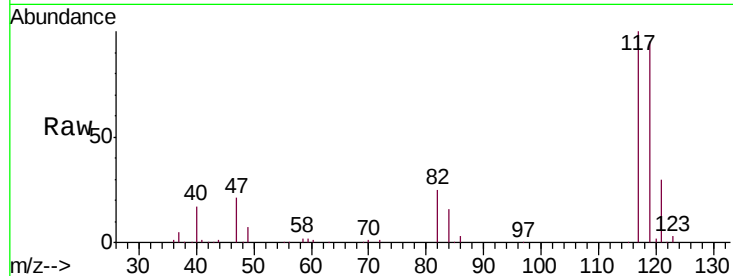
VSTD05036

Tgt Ion:117 Resp: 212014

Ion Ratio Lower Upper

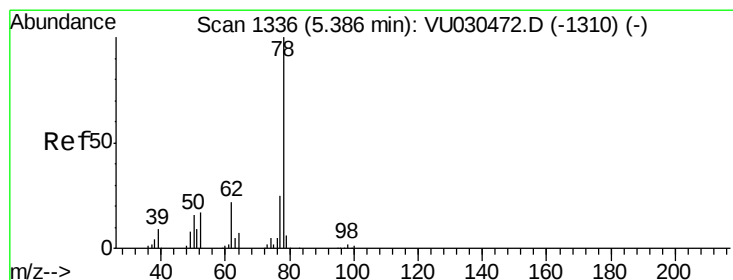
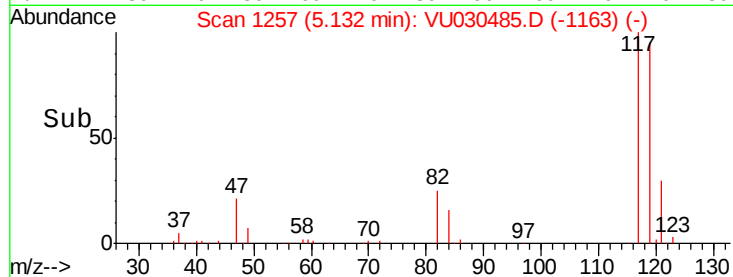
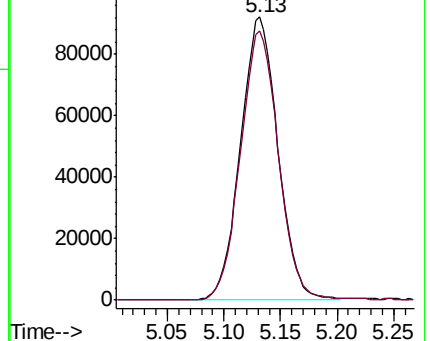
117 100

119 96.1 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.617 ug/L

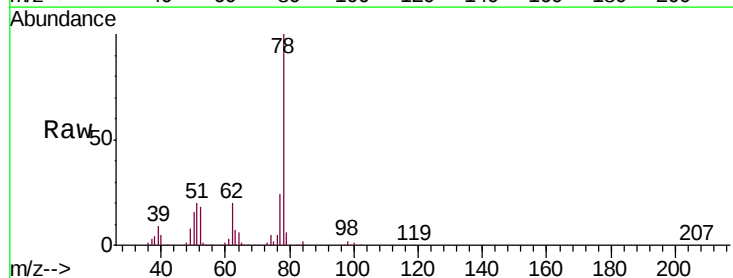
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

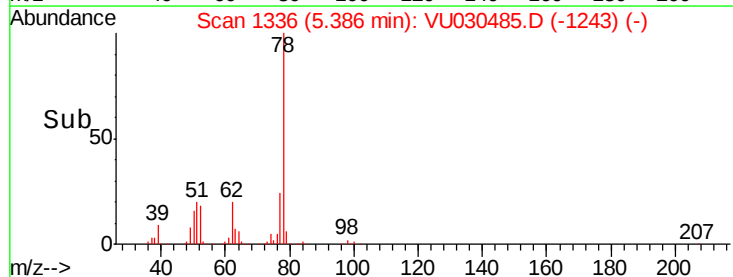
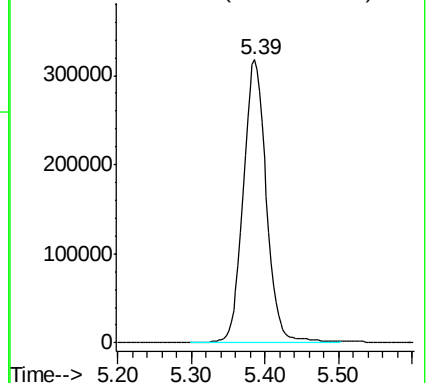
Lab File: VU030485.D

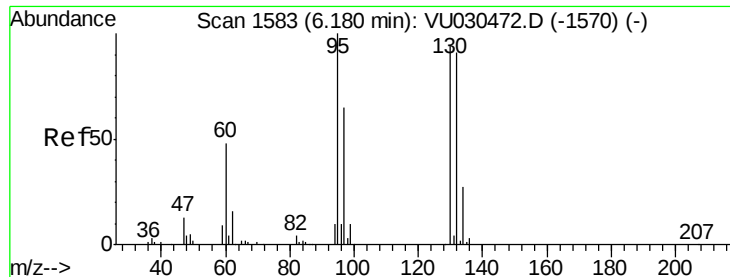
Acq: 27 Mar 2019 15:54

Tgt Ion: 78 Resp: 696712



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.233 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

Tgt Ion: 95 Resp: 160463

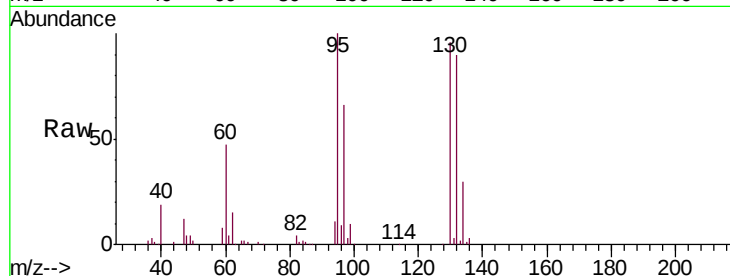
Ion Ratio Lower Upper

95 100

97 65.6 45.7 84.9

132 90.1 63.8 118.4

130 95.5 65.7 121.9

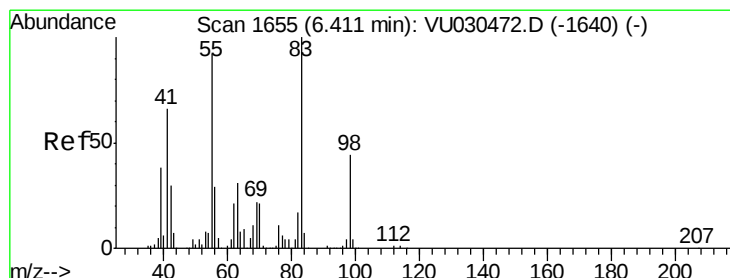
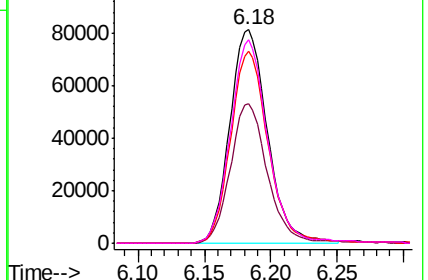
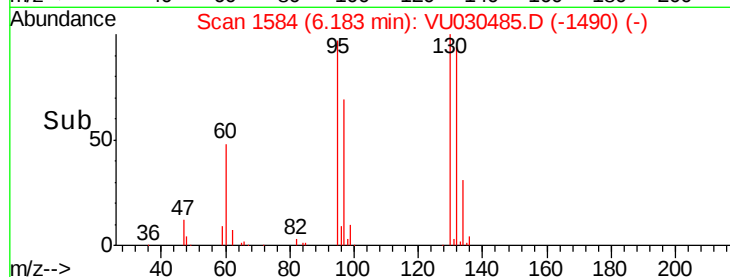


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 50.957 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

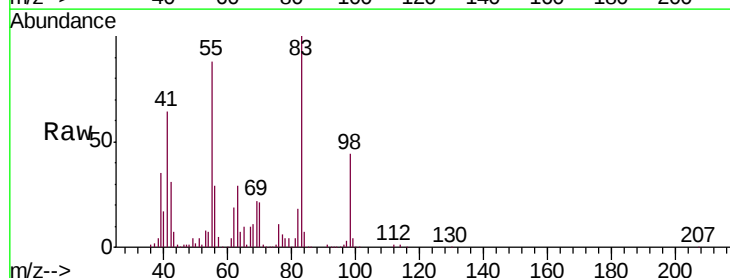
Tgt Ion: 83 Resp: 267858

Ion Ratio Lower Upper

83 100

55 90.8 71.4 107.0

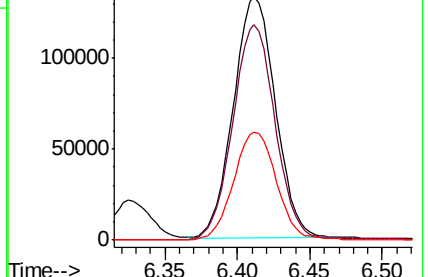
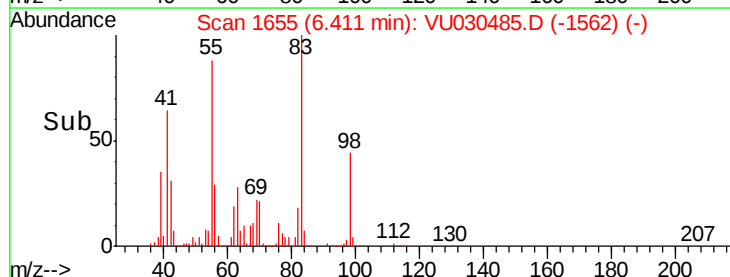
98 45.7 36.0 54.0

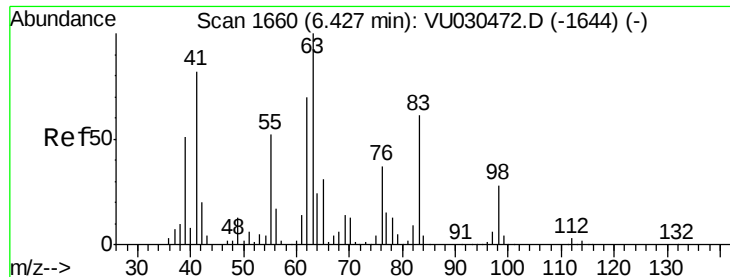


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.260 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

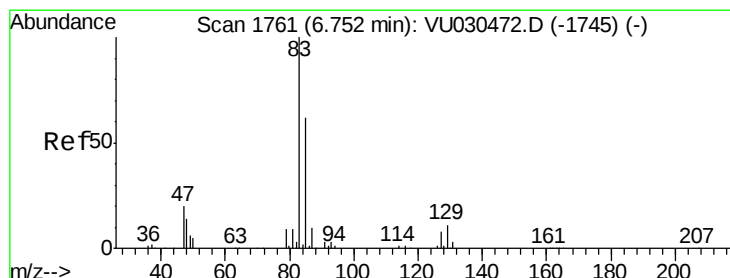
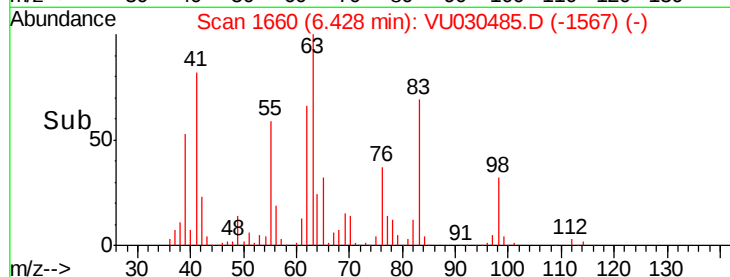
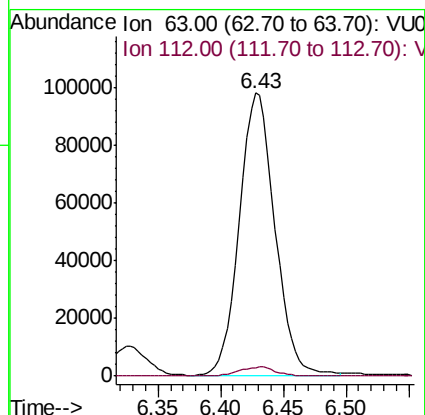
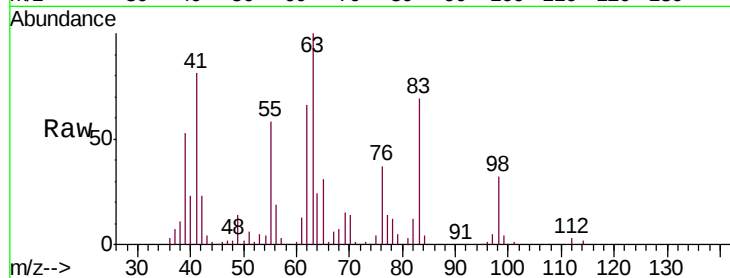
VSTD05036

Tgt Ion: 63 Resp: 192715

Ion Ratio Lower Upper

63 100

112 3.3 2.6 4.0



#38

Bromodichloromethane

Concen: 52.745 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

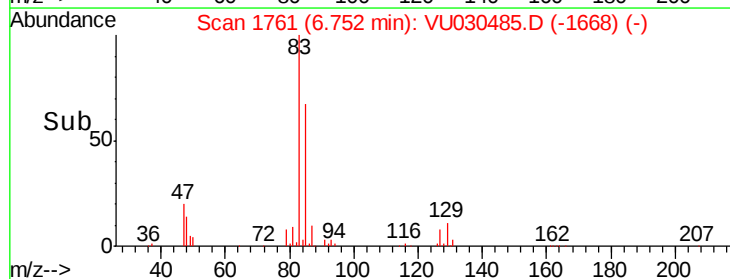
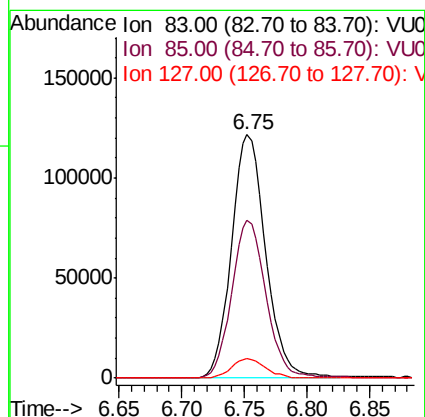
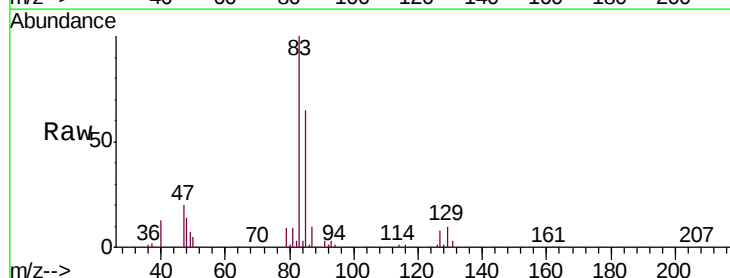
Tgt Ion: 83 Resp: 231109

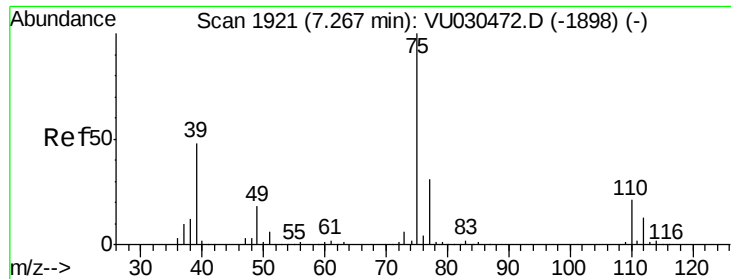
Ion Ratio Lower Upper

83 100

85 64.8 45.0 83.6

127 8.0 6.6 10.0

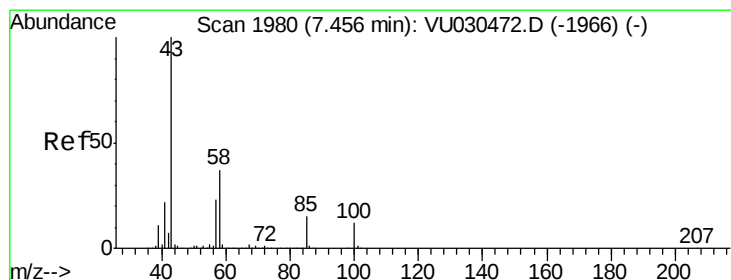
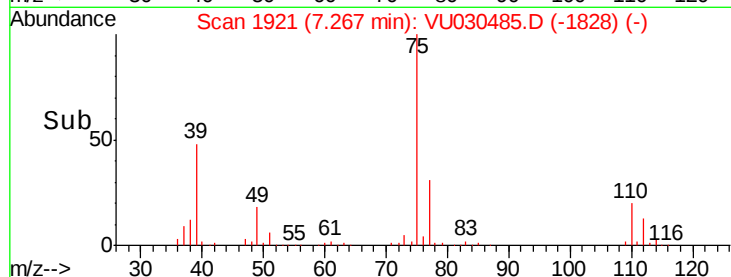
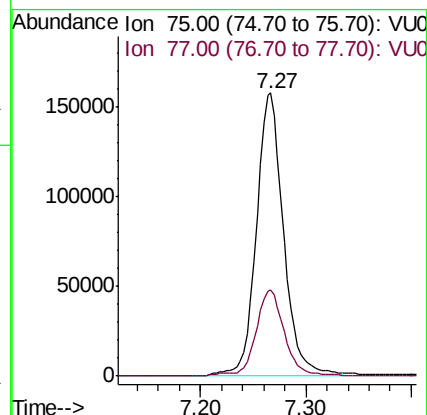
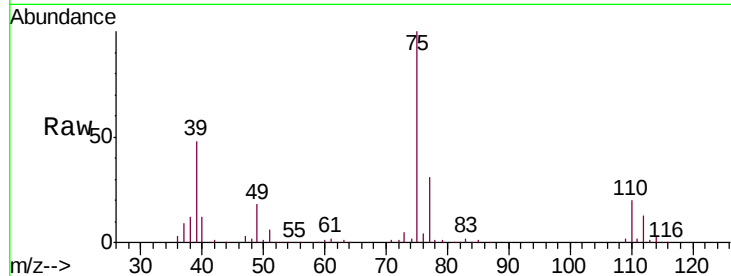




#39
 cis-1,3-Dichloropropene
 Concen: 53.605 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

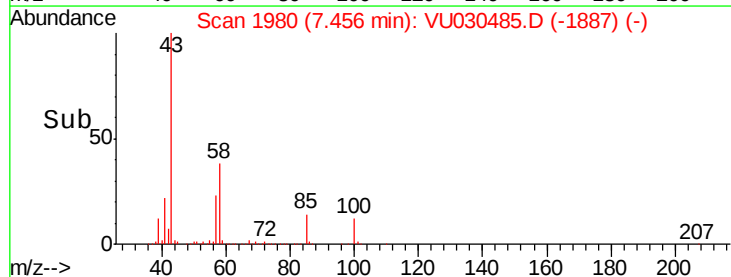
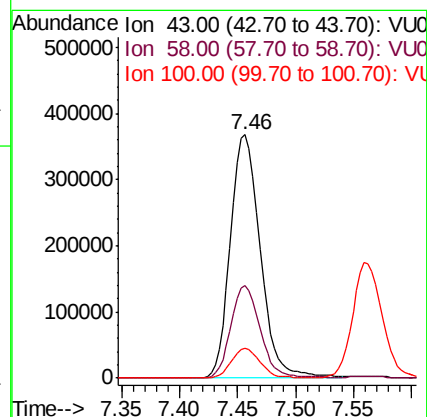
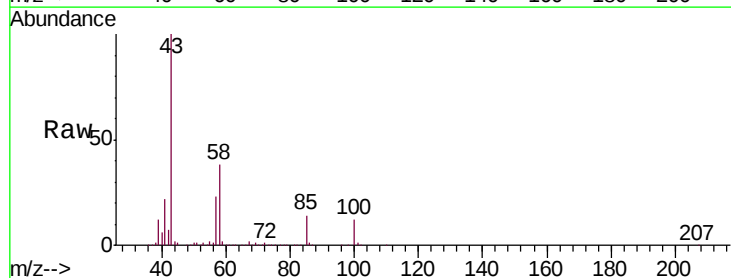
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

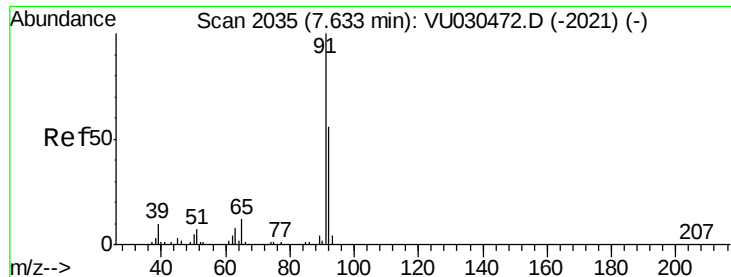
Tgt Ion: 75 Resp: 284128
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 106.410 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

Tgt Ion: 43 Resp: 659113
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.6 45.8
 100 11.7 9.5 14.3





#42

Toluene

Concen: 53.036 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

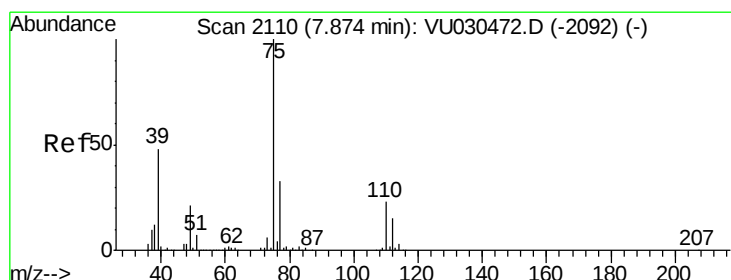
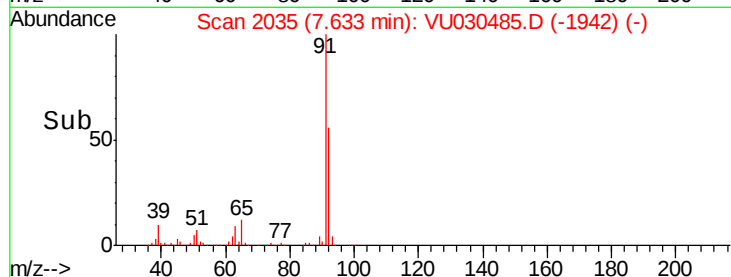
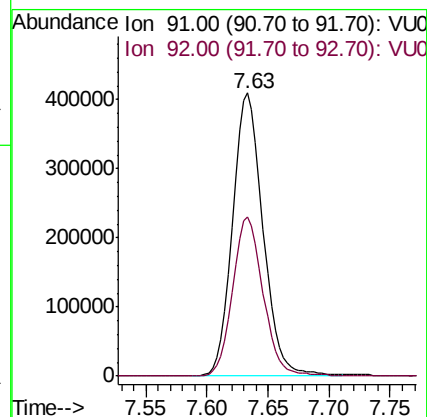
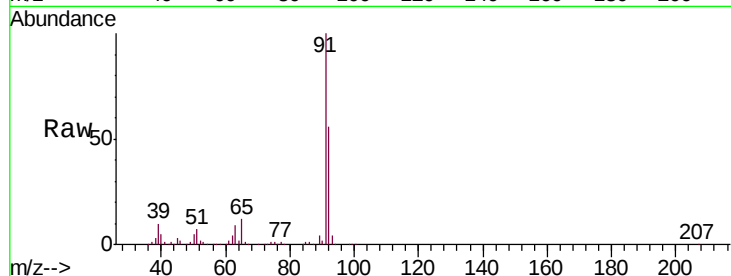
VSTD05036

Tgt Ion: 91 Resp: 715232

Ion Ratio Lower Upper

91 100

92 56.4 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 54.372 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU030485.D

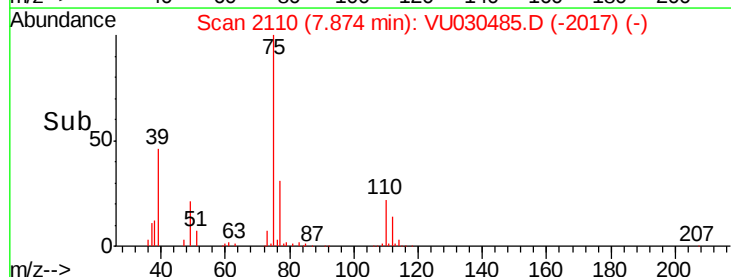
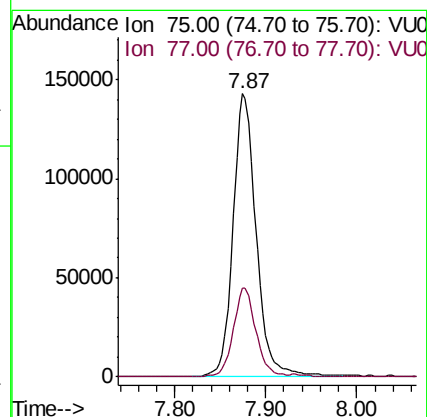
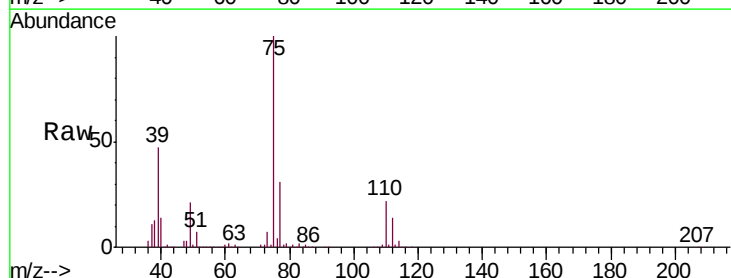
Acq: 27 Mar 2019 15:54

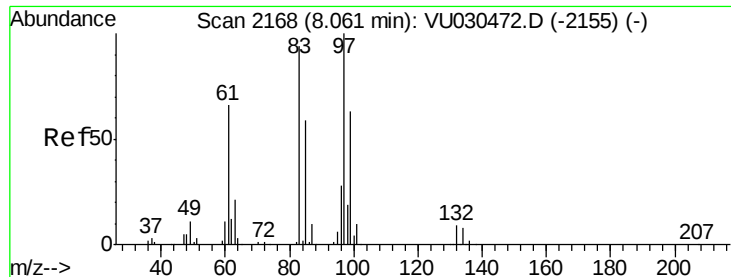
Tgt Ion: 75 Resp: 253579

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8

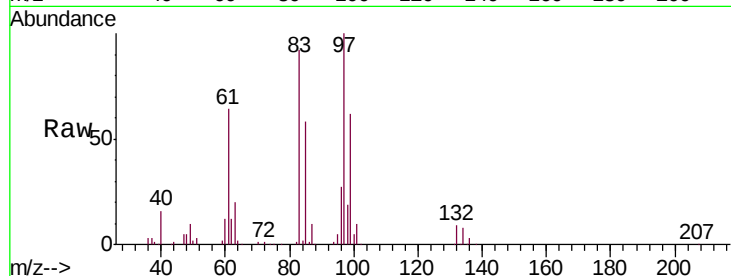




#45
 1,1,2-Trichloroethane
 Concen: 52.880 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Tgt Ion:	97	Resp:	164764
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.0	81.8
83	92.4	65.3	121.3
85	57.6	41.8	77.6



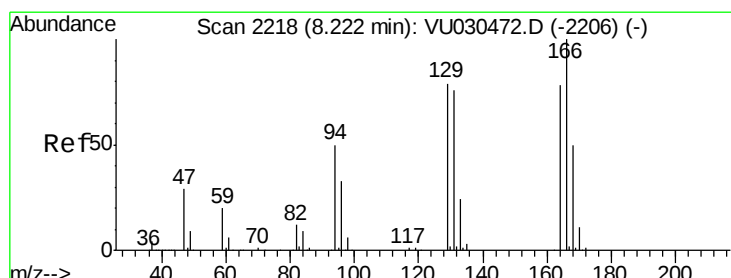
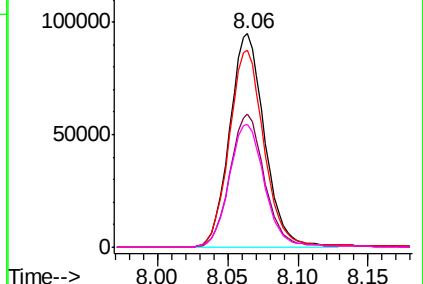
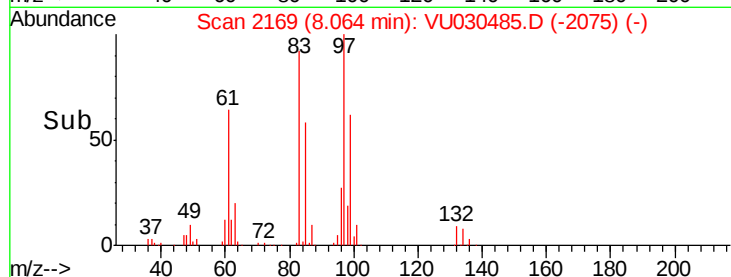
Abundance

Ion 97.00 (96.70 to 97.70): VU030472.D (-2155) (-)

Ion 99.00 (98.70 to 99.70): VU030472.D (-2155) (-)

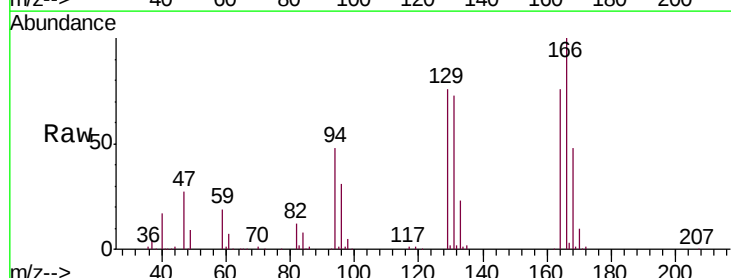
Ion 83.00 (82.70 to 83.70): VU030472.D (-2155) (-)

Ion 85.00 (84.70 to 85.70): VU030472.D (-2155) (-)



#46
 Tetrachloroethene
 Concen: 51.854 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

Tgt Ion:	164	Resp:	115694
Ion	Ratio	Lower	Upper
164	100		
129	99.6	68.1	126.5
131	95.8	67.7	125.7
166	131.7	92.4	171.6



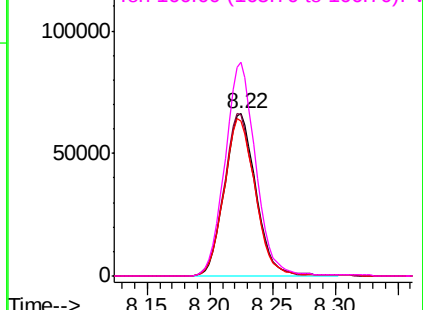
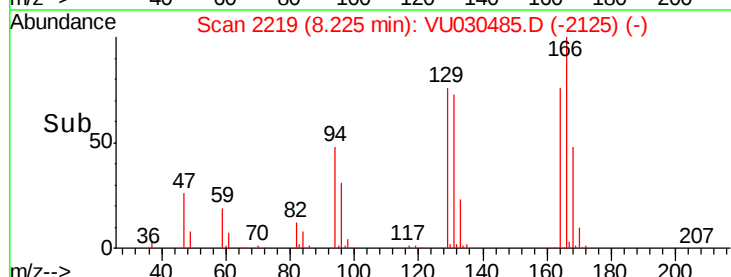
Abundance

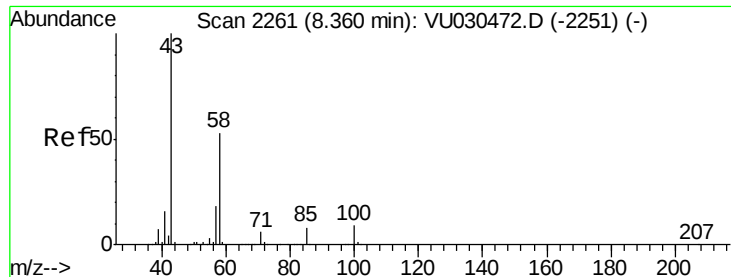
Ion 164.00 (163.70 to 164.70): VU030472.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU030472.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU030472.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU030472.D (-2206) (-)

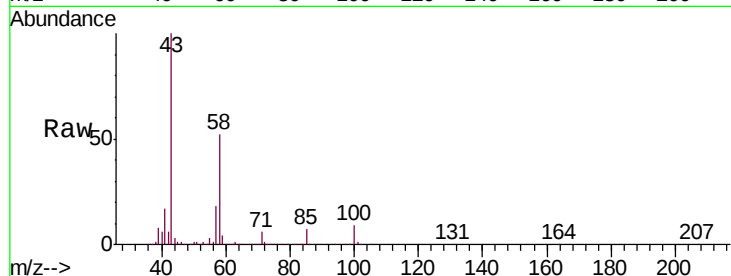




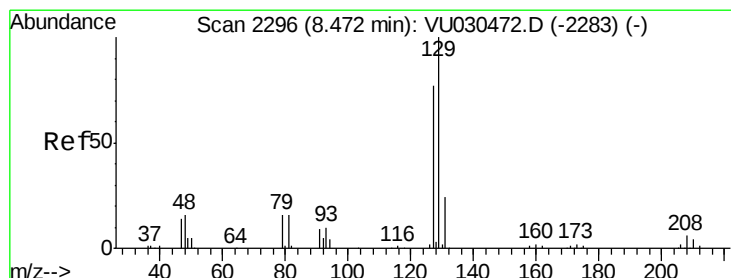
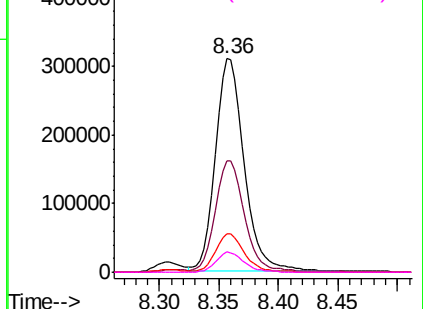
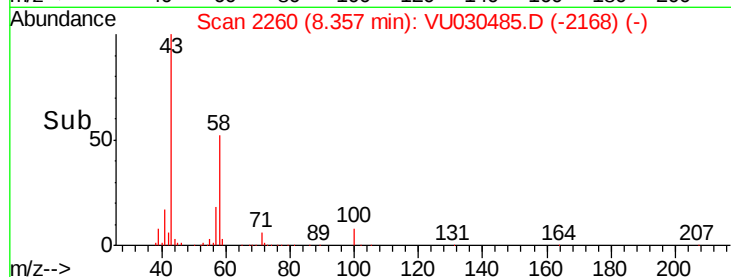
#48
2-Hexanone
Concen: 102.388 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU030485.D
Acq: 27 Mar 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

Tgt Ion: 43 Resp: 519781
Ion Ratio Lower Upper
43 100
58 54.0 42.5 63.7
57 17.7 15.0 22.6
100 9.4 7.4 11.2

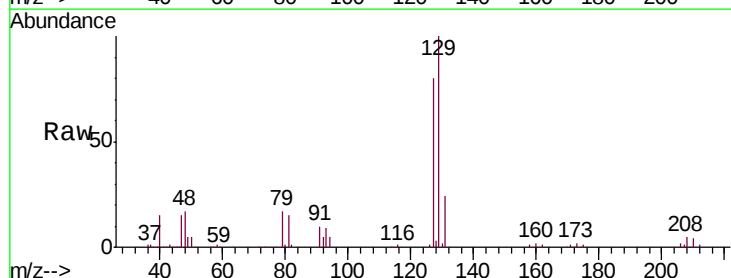


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

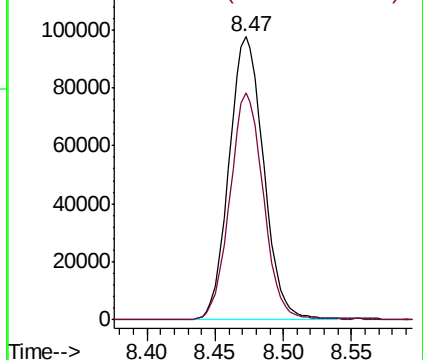
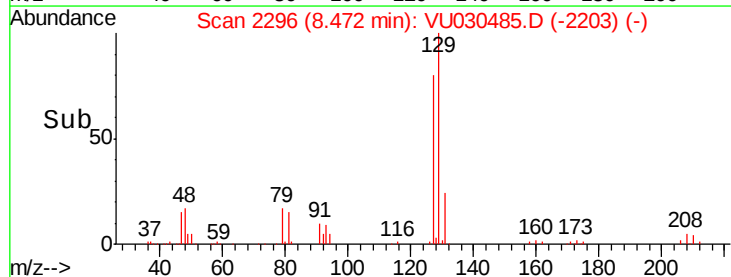


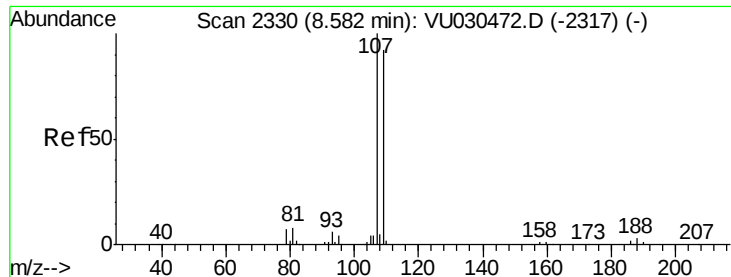
#49
Dibromochloromethane
Concen: 53.220 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030485.D
Acq: 27 Mar 2019 15:54

Tgt Ion: 129 Resp: 172301
Ion Ratio Lower Upper
129 100
127 80.2 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

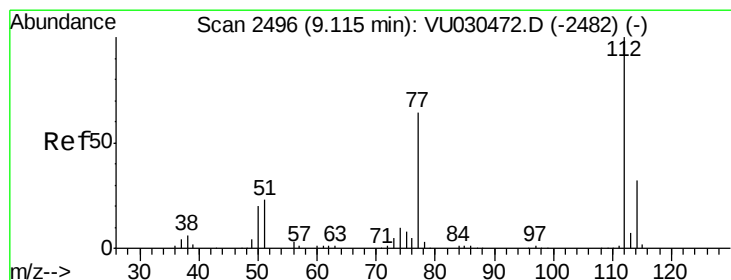
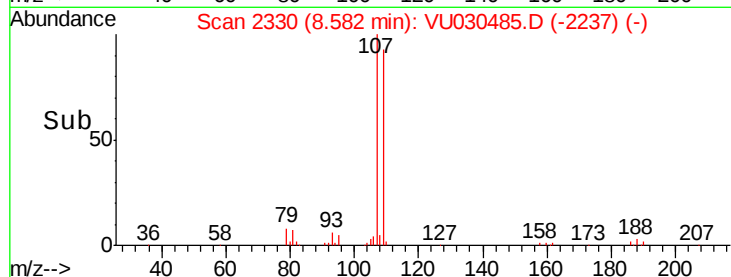
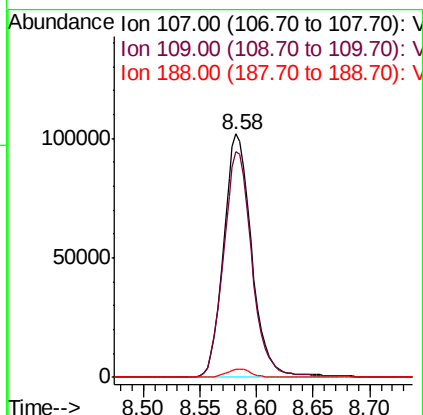
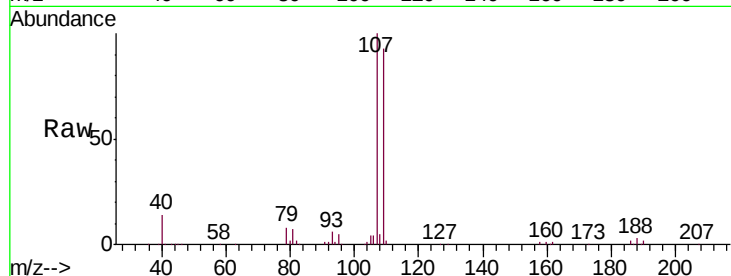




#50
 1,2-Dibromoethane
 Concen: 52.811 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

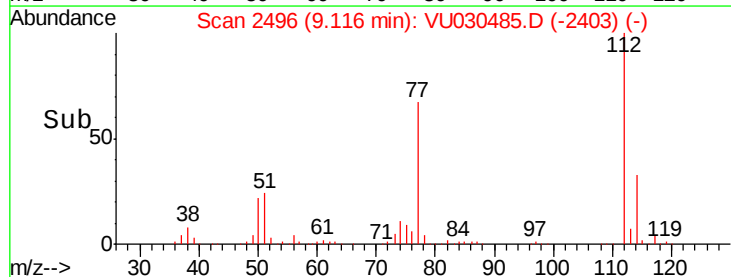
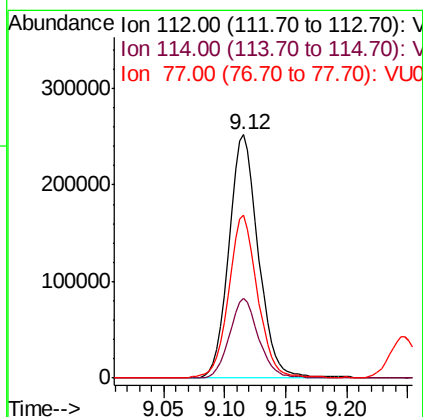
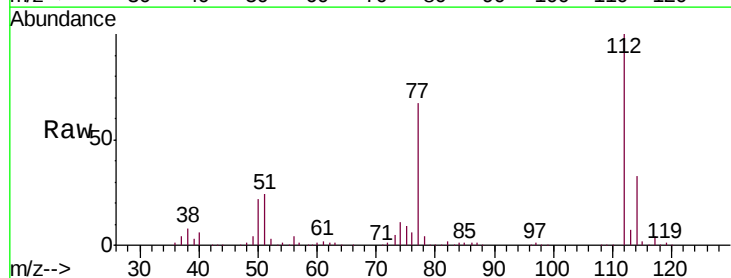
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

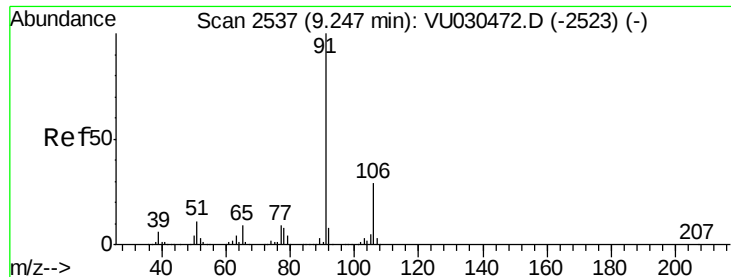
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.8	122.2
188	3.3	2.6	4.0



#51
 Chlorobenzene
 Concen: 51.991 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	21.5	39.9
77	66.7	51.4	77.0





#52

Ethylbenzene

Concen: 53.082 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

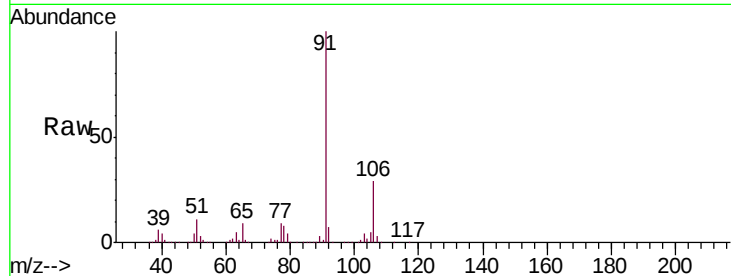
VSTD05036

Tgt Ion: 91 Resp: 775460

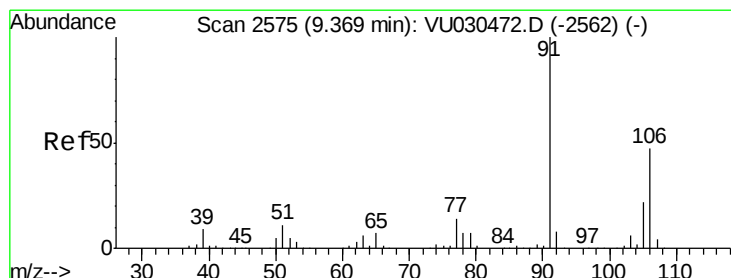
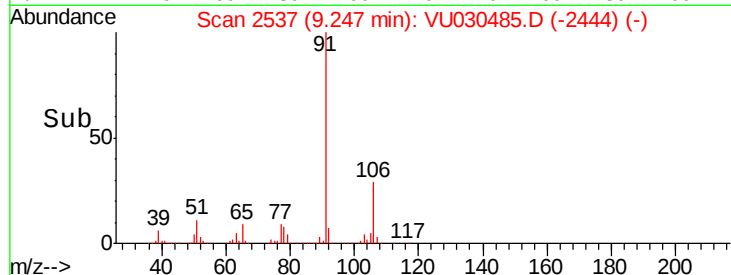
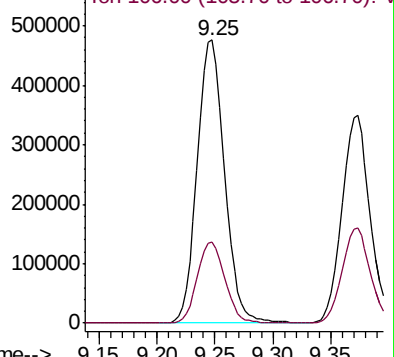
Ion Ratio Lower Upper

91 100

106 28.8 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VU030472.D (-2523) (-)



#53

m,p-Xylene

Concen: 52.082 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030485.D

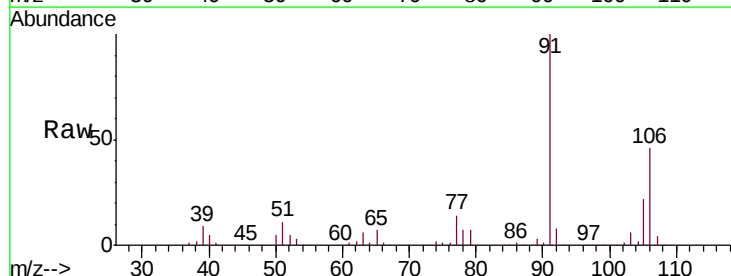
Acq: 27 Mar 2019 15:54

Tgt Ion: 106 Resp: 274722

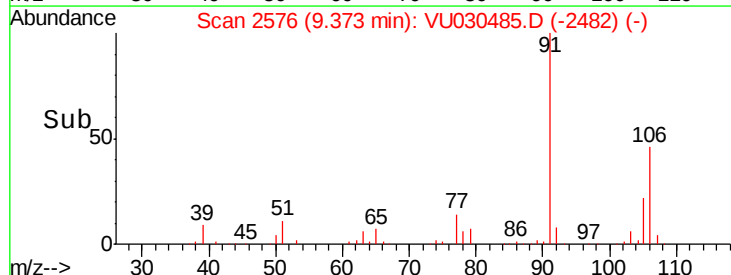
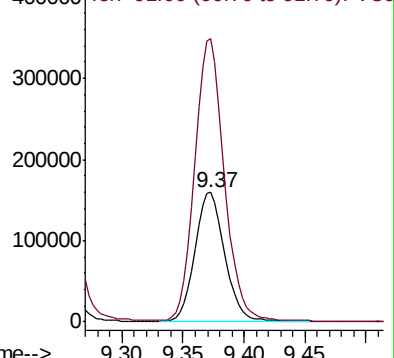
Ion Ratio Lower Upper

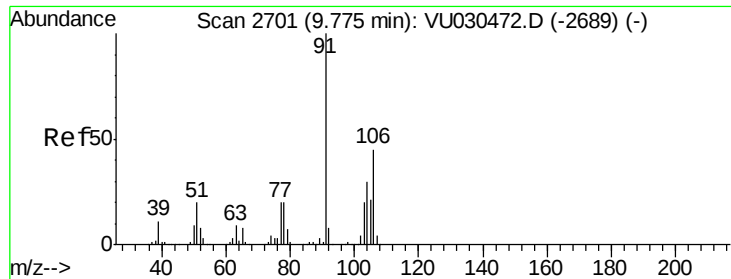
106 100

91 218.6 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): VU030472.D (-2562) (-)





#54

o-xylene

Concen: 53.750 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

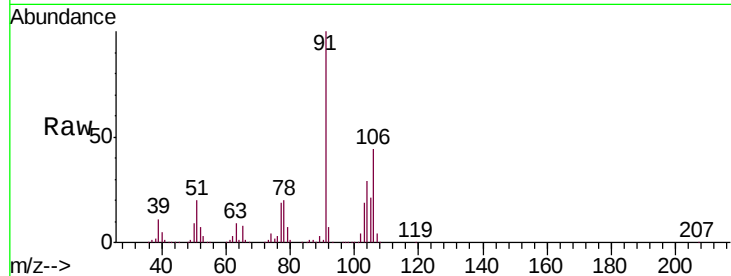
VSTD05036

Tgt Ion:106 Resp: 276645

Ion Ratio Lower Upper

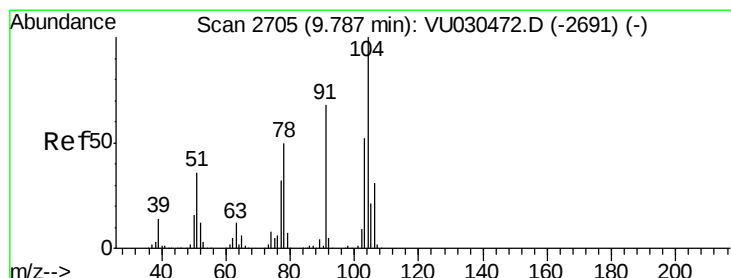
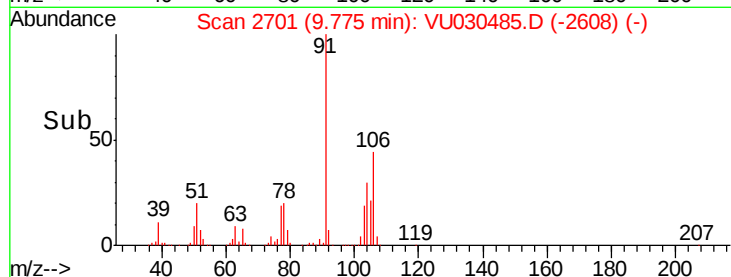
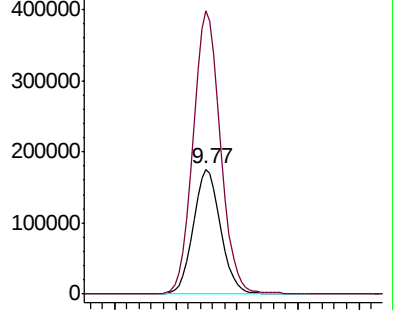
106 100

91 226.8 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.313 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030485.D

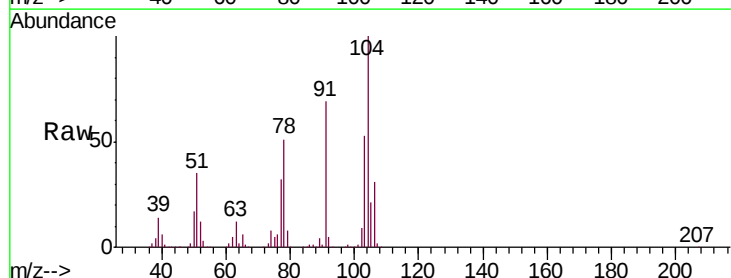
Acq: 27 Mar 2019 15:54

Tgt Ion:104 Resp: 472673

Ion Ratio Lower Upper

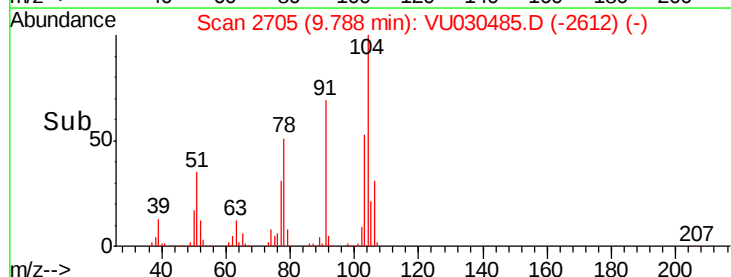
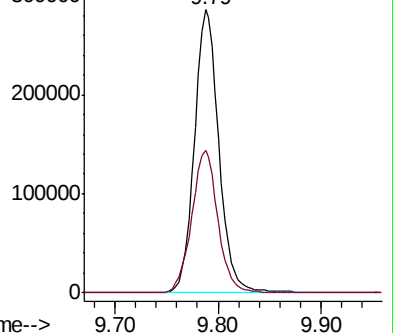
104 100

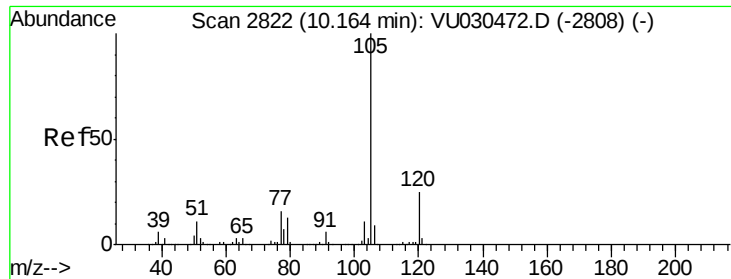
78 50.5 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.229 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

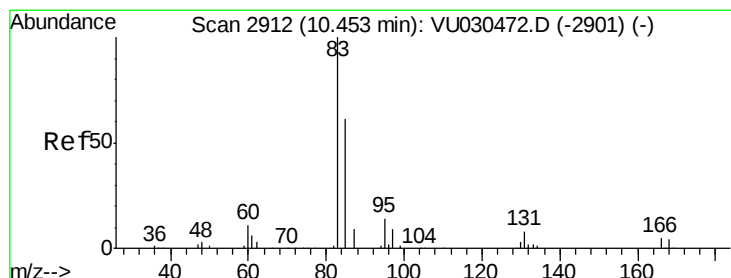
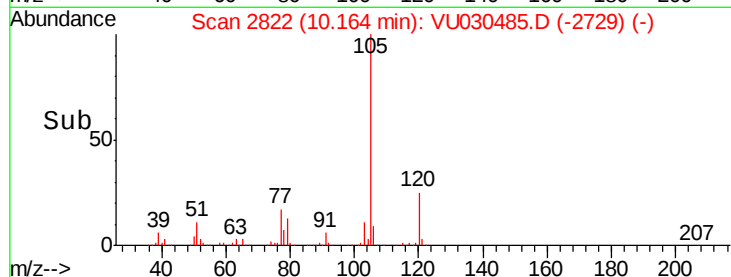
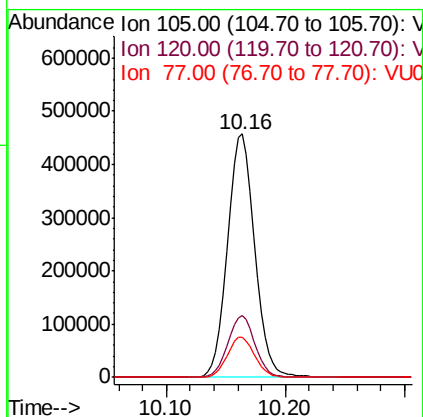
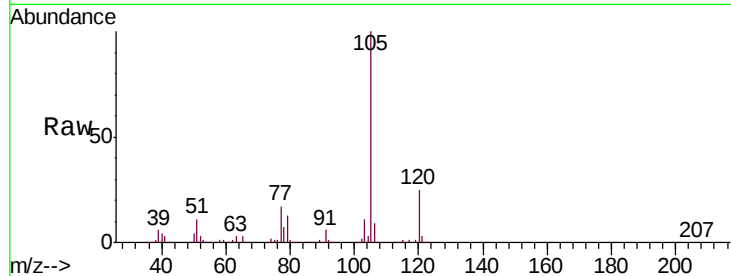
Tgt Ion: 105 Resp: 725411

Ion Ratio Lower Upper

105 100

120 25.1 20.2 30.2

77 16.8 13.2 19.8



#58

1,1,2,2-Tetrachloroethane

Concen: 52.550 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

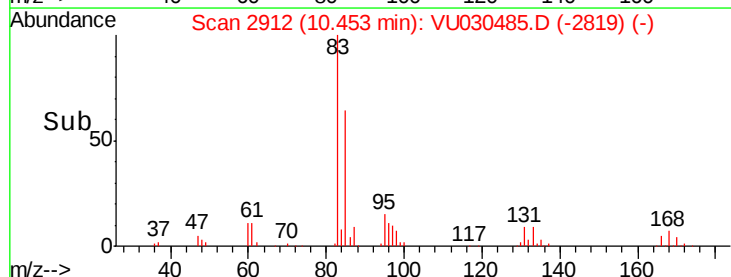
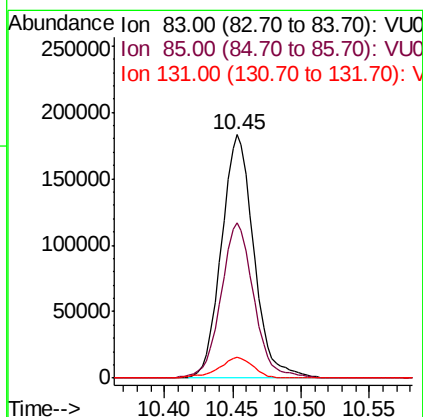
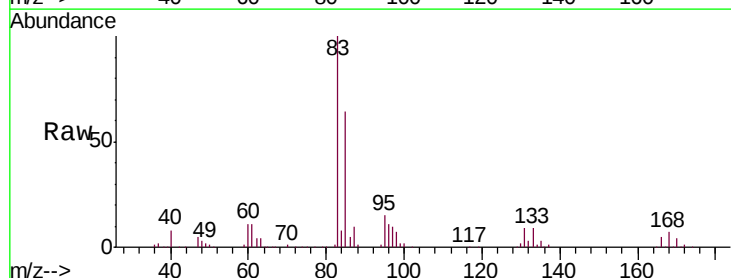
Tgt Ion: 83 Resp: 301766

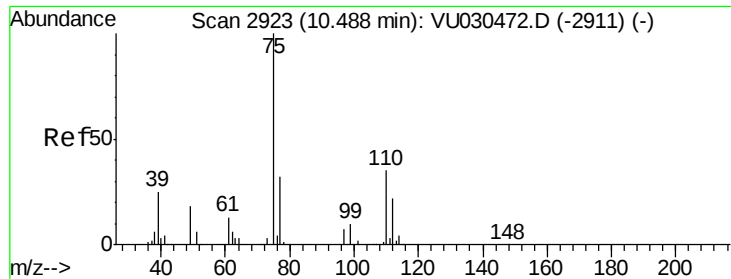
Ion Ratio Lower Upper

83 100

85 64.0 44.3 82.3

131 8.6 6.7 10.1

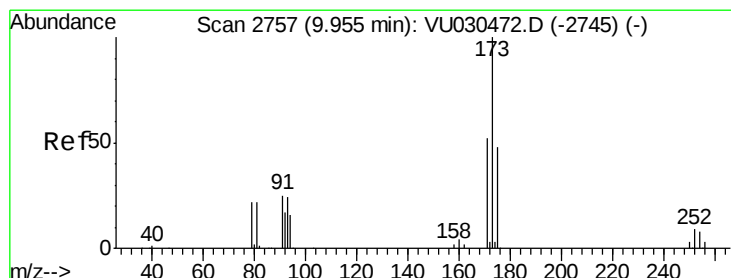
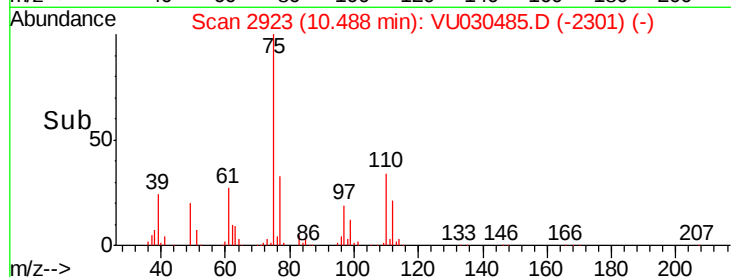
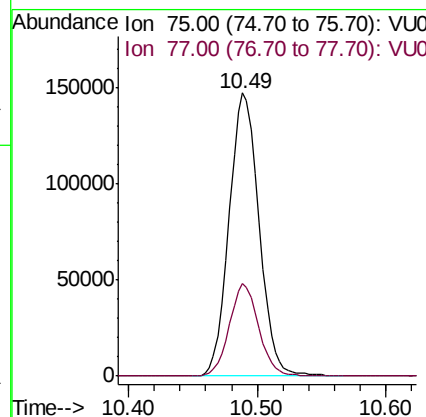
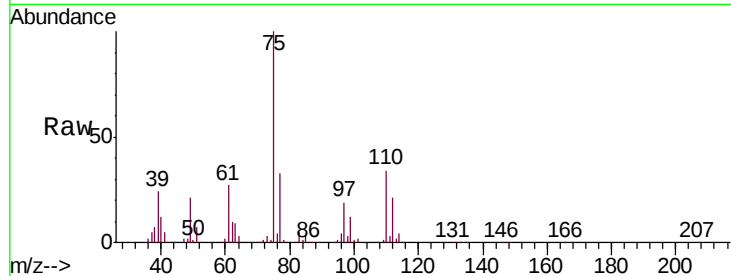




#59
 1,2,3-Trichloropropane
 Concen: 52.890 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

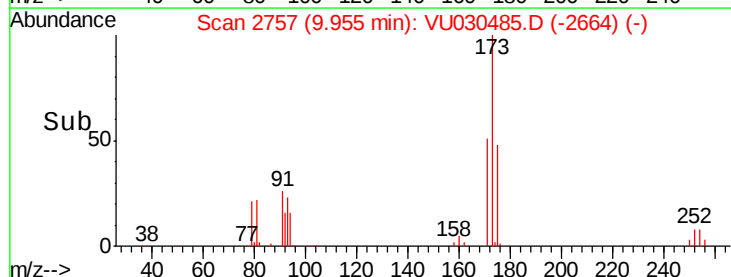
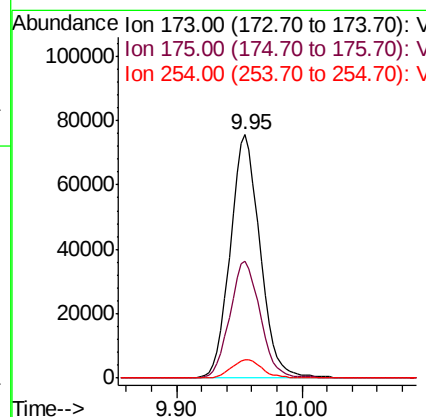
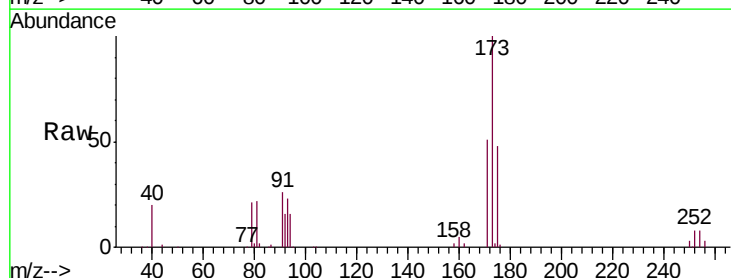
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

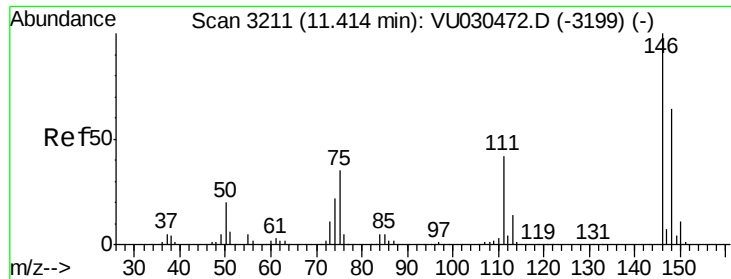
Tgt Ion: 75 Resp: 237396
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2



#61
 Bromoform
 Concen: 53.407 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

Tgt Ion: 173 Resp: 125320
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.5 57.7
 254 7.9 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 52.500 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

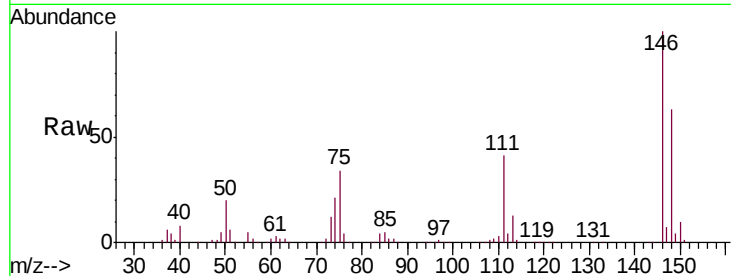
Tgt Ion:146 Resp: 303009

Ion Ratio Lower Upper

146 100

111 41.3 29.2 54.2

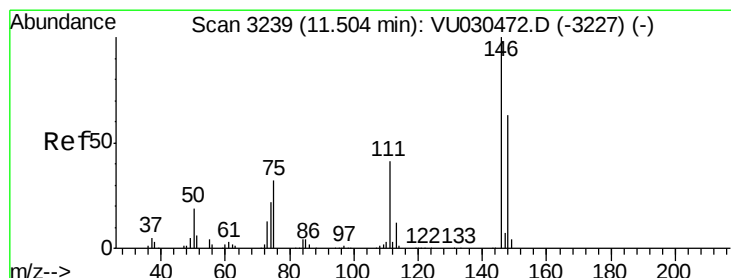
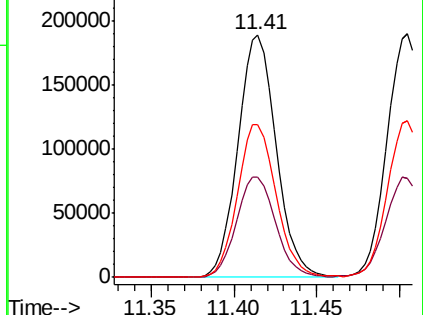
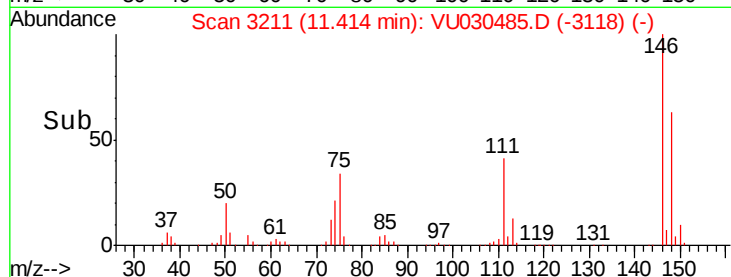
148 63.1 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.536 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

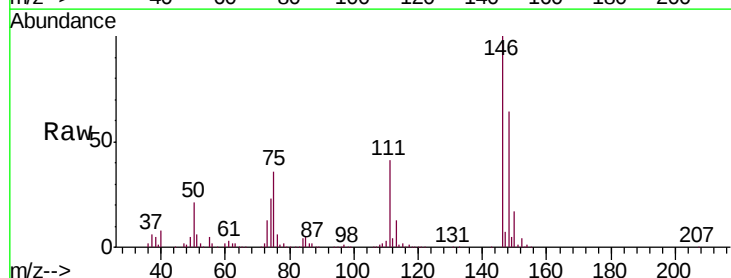
Tgt Ion:146 Resp: 306214

Ion Ratio Lower Upper

146 100

111 40.8 28.7 53.3

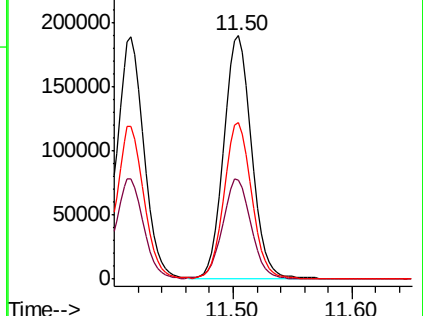
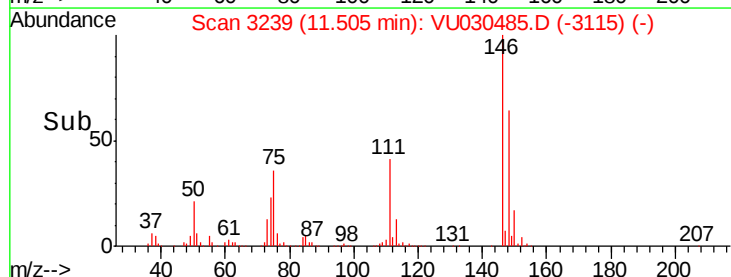
148 64.4 44.3 82.3

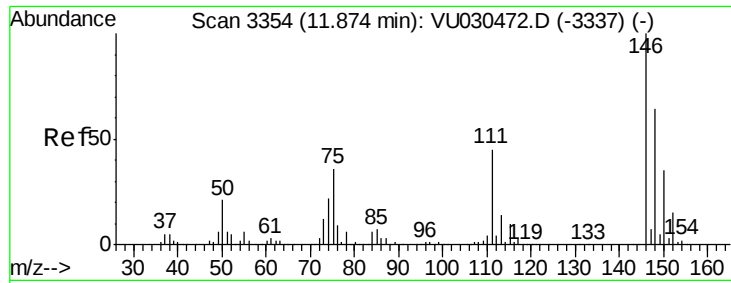


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

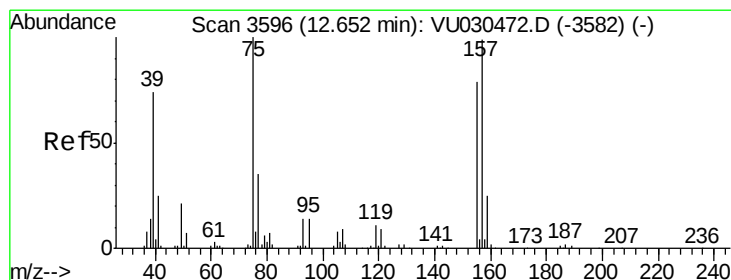
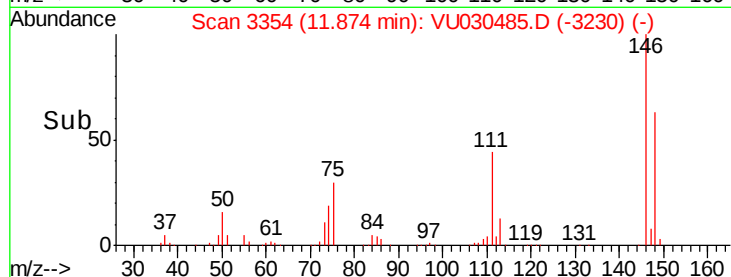
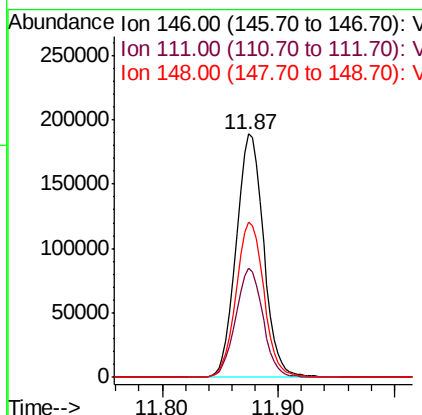
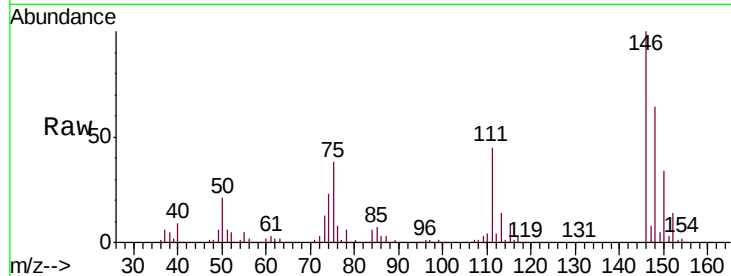




#65
 1,2-Dichlorobenzene
 Concen: 52.680 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

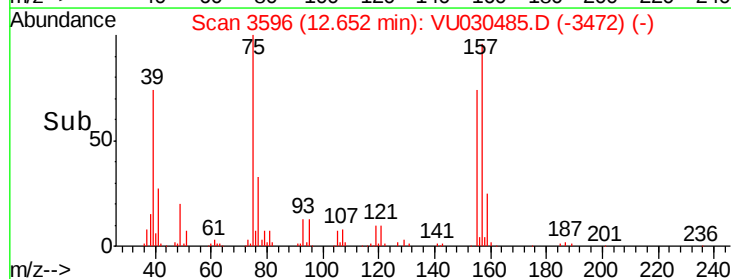
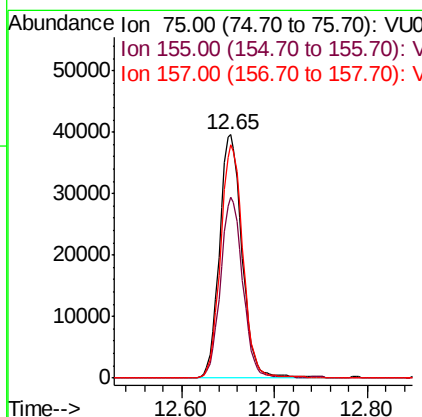
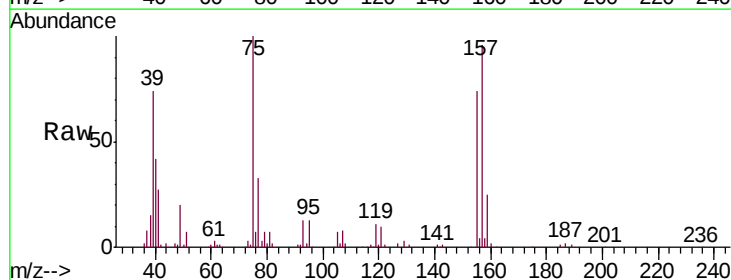
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

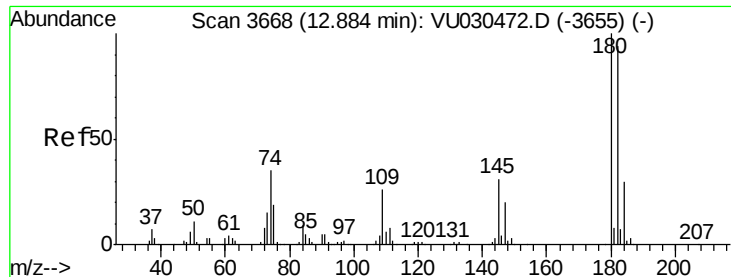
Tgt Ion: 146 Resp: 307442
 Ion Ratio Lower Upper
 146 100
 111 44.8 34.9 52.3
 148 63.5 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.433 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

Tgt Ion: 75 Resp: 66836
 Ion Ratio Lower Upper
 75 100
 155 74.4 61.8 92.6
 157 95.7 80.2 120.4

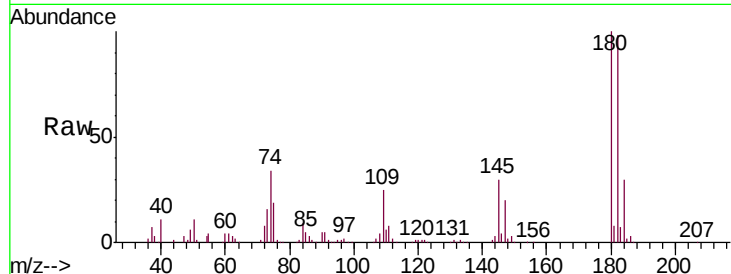




#67
 1,3,5-Trichlorobenzene
 Concen: 49.796 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.9	113.9
184	30.4	24.1	36.1
145	30.1	23.8	35.8



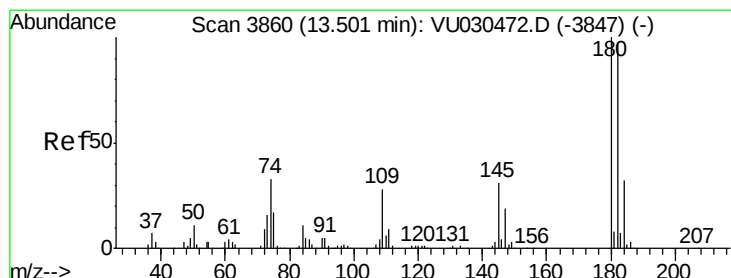
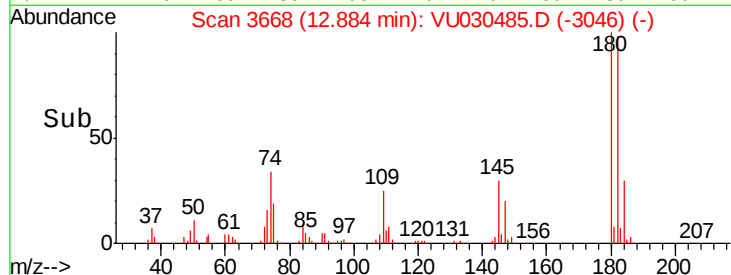
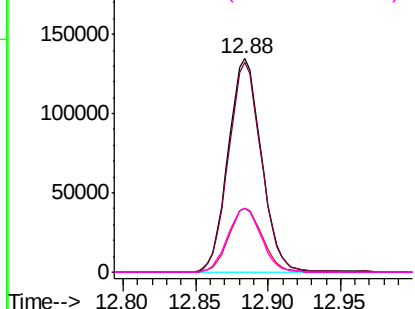
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

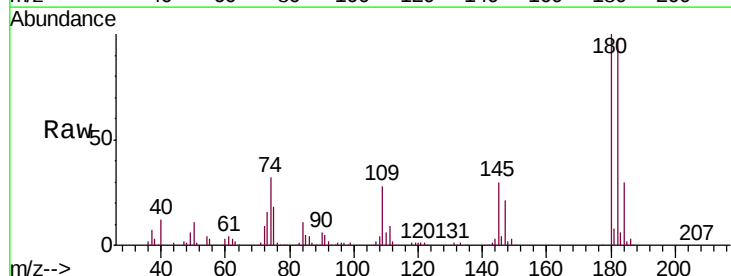
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.932 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030485.D
 Acq: 27 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.1	114.1
145	30.1	24.5	36.7

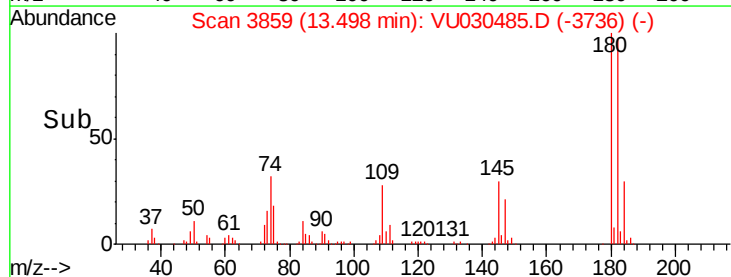
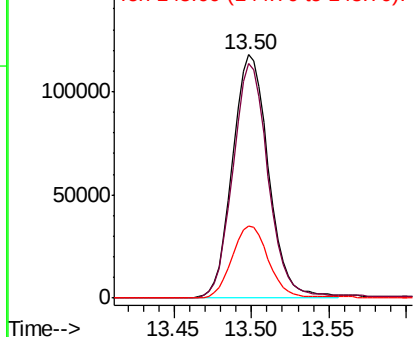


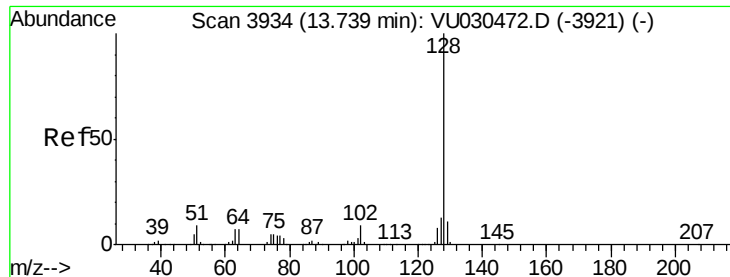
Abundance

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: 44.243 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

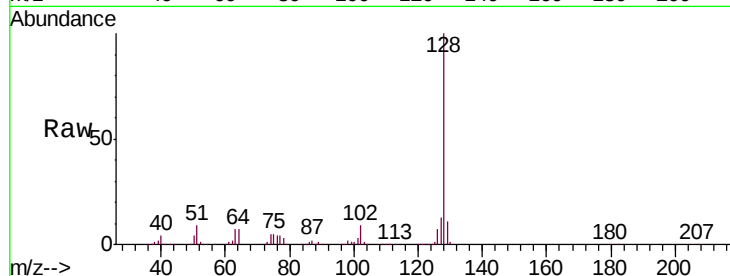
Tgt Ion:128 Resp: 590623

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

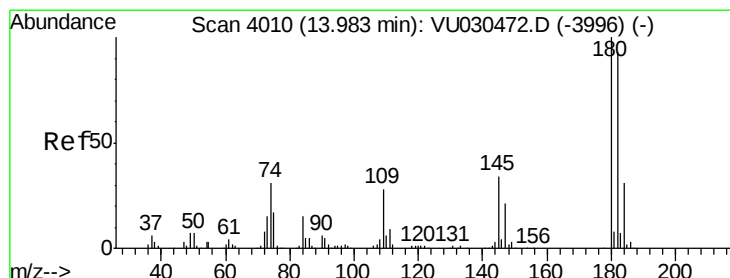
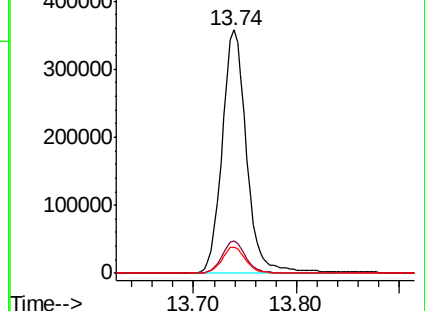
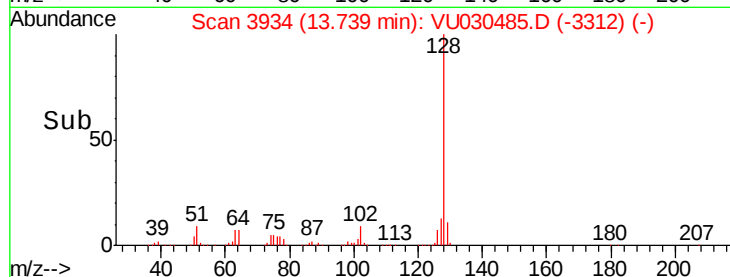
129 10.6 8.4 12.6



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: 48.824 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030485.D

Acq: 27 Mar 2019 15:54

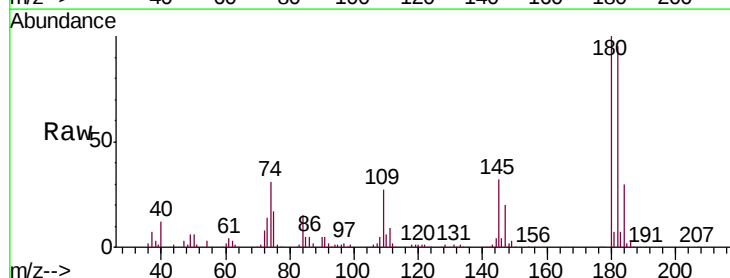
Tgt Ion:180 Resp: 193554

Ion Ratio Lower Upper

180 100

182 94.5 77.4 116.2

145 31.7 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

