

Data File : VU034884.D
Acq On : 30 Sep 2019 17:42
Operator : JC/SP
Sample : VSTD01033
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Quant Time: Oct 01 02:39:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 01 02:35:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	335894	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	326762	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	138440	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	24052	7.44	ug/L	0.00
7) Chloroethane-d5	1.68	69	19975	7.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	42636	7.72	ug/L	0.00
21) 2-Butanone-d5	4.16	46	37652	14.73	ug/L	0.01
24) Chloroform-d	4.63	84	43798	8.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	33763	9.33	ug/L	0.00
32) Benzene-d6	5.32	84	90237	9.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	29684	8.64	ug/L	0.00
41) Toluene-d8	7.55	98	82208	8.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	12387	7.61	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	25153	14.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	42040	8.71	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	26835	9.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	19808	6.208	ug/L 100
3) Chloromethane	1.32	50	17613	4.765	ug/L 100
5) Vinyl chloride	1.40	62	17194	5.070	ug/L 98
6) Bromomethane	1.62	94	8197	4.454	ug/L 100
8) Chloroethane	1.69	64	11093	5.640	ug/L 96
9) Trichlorofluoromethane	1.88	101	25937	5.921	ug/L 93
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	16681	7.693	ug/L 98
12) 1,1-Dichloroethene	2.27	96	13049	6.458	ug/L 96
13) Acetone	2.31	43	39218	13.692	ug/L 95
14) Carbon disulfide	2.47	76	20327	3.186	ug/L 96
15) Methyl Acetate	2.60	43	29078	7.473	ug/L 99
16) Methylene chloride	2.68	84	18910	7.222	ug/L 96
17) trans-1,2-Dichloroethene	2.97	96	13215	6.003	ug/L 95
18) Methyl tert-butyl Ether	2.98	73	75354	8.743	ug/L 99
19) 1,1-Dichloroethane	3.42	63	40296	7.727	ug/L 96
20) cis-1,2-Dichloroethene	4.20	96	19133	7.197	ug/L 96
22) 2-Butanone	4.25	43	46386	13.526	ug/L 91
23) Bromochloromethane	4.53	128	9495	7.493	ug/L 90
25) Chloroform	4.65	83	44312	8.492	ug/L 97
27) 1,2-Dichloroethane	5.39	62	33501	7.571	ug/L 97
29) Cyclohexane	4.97	56	24115	4.996	ug/L 99
30) 1,1,1-Trichloroethane	4.89	97	32019	7.561	ug/L 99
31) Carbon tetrachloride	5.11	117	24588	6.934	ug/L 97
33) Benzene	5.37	78	72939	6.911	ug/L 100
34) Trichloroethene	6.17	95	18015	6.889	ug/L 97
35) Methylcyclohexane	6.39	83	22335	5.211	ug/L 99
37) 1,2-Dichloropropane	6.41	63	24598	7.713	ug/L 100
38) Bromodichloromethane	6.74	83	30273	7.744	ug/L 98
39) cis-1,3-Dichloropropene	7.25	75	29414	6.127	ug/L 98
40) 4-Methyl-2-pentanone	7.44	43	95848	15.543	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	75345	6.618	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	28365	6.614	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	22807	8.687	ug/L	96
46) Tetrachloroethene	8.21	164	11909	6.546	ug/L	98
48) 2-Hexanone	8.35	43	62530	13.085	ug/L	99
49) Dibromochloromethane	8.45	129	22164	7.631	ug/L	95
50) 1,2-Dibromoethane	8.57	107	20370	7.378	ug/L	99
51) Chlorobenzene	9.10	112	51715	7.350	ug/L	98
52) Ethylbenzene	9.23	91	89146	6.897	ug/L	100
53) m,p-Xylene	9.35	106	31233	6.861	ug/L	93
54) o-xylene	9.76	106	31998	7.034	ug/L	94
55) Styrene	9.77	104	55365	7.151	ug/L	100
56) Isopropylbenzene	10.14	105	91268	7.390	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	42955	8.464	ug/L	96
59) 1,2,3-Trichloropropane	10.47	75	36782	8.949	ug/L	99
61) Bromoform	9.94	173	14759	7.981	ug/L	94
62) 1,3-Dichlorobenzene	11.40	146	37759	8.141	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	38277	8.115	ug/L	95
65) 1,2-Dichlorobenzene	11.86	146	42344	8.937	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.64	75	7879	7.821	ug/L	92
67) 1,3,5-Trichlorobenzene	12.87	180	25507	8.093	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	14574	5.916	ug/L	96
69) Naphthalene	13.73	128	41231	4.852	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	18225	7.104	ug/L	98

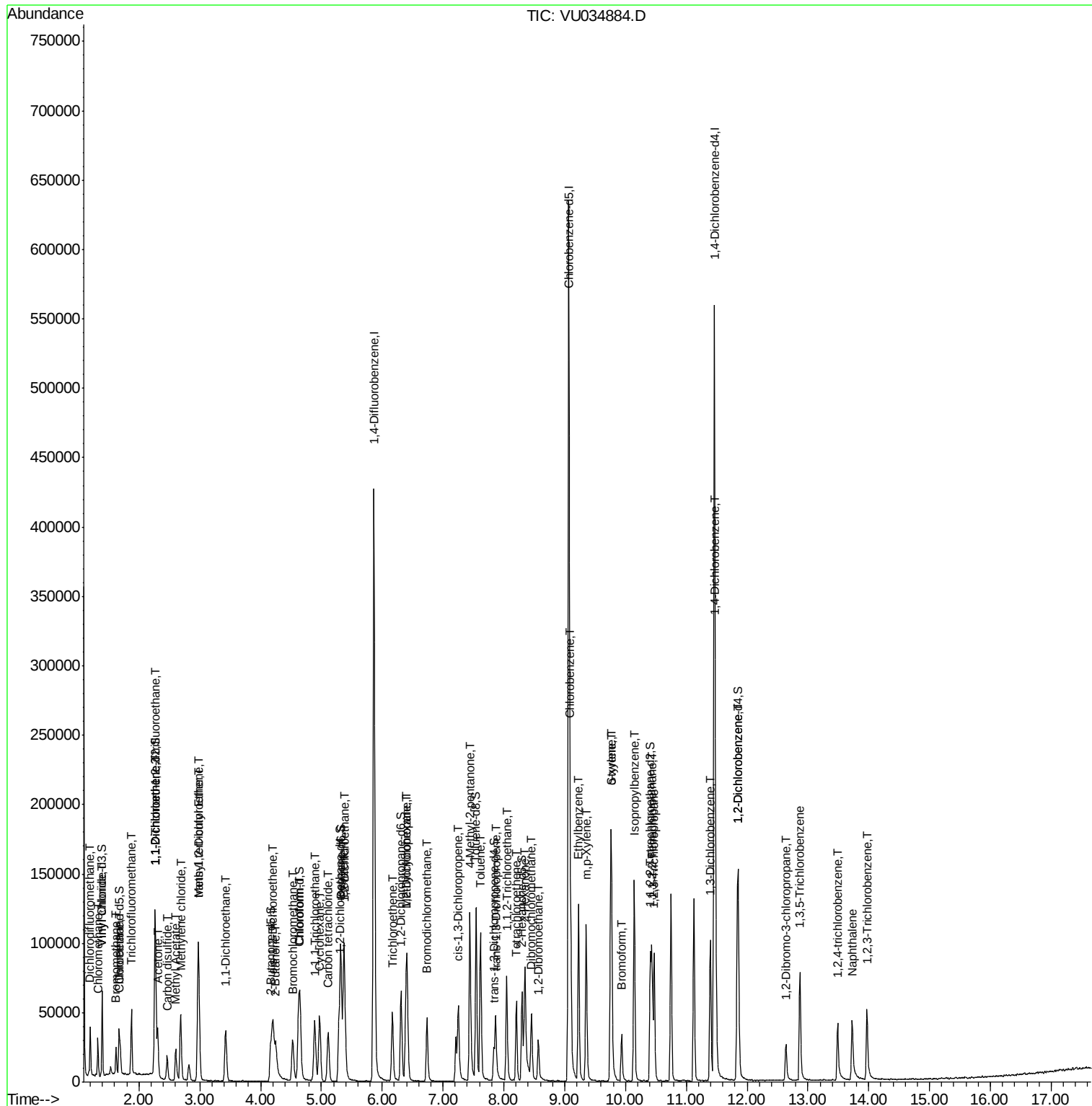
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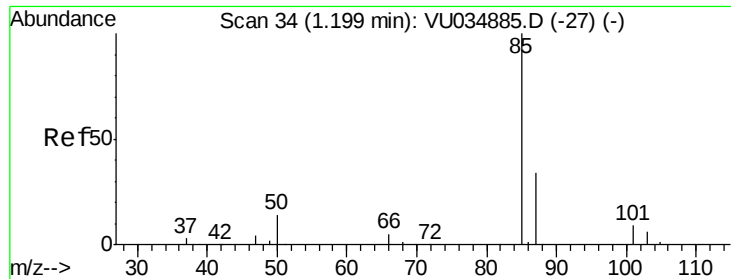
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#2

Dichlorodifluoromethane

Concen: 6.208 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

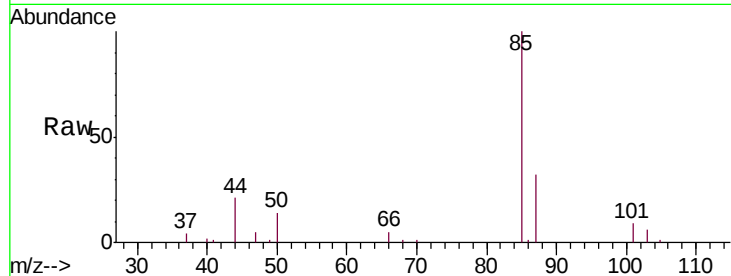
VSTD01033

Tgt Ion: 85 Resp: 19808

Ion Ratio Lower Upper

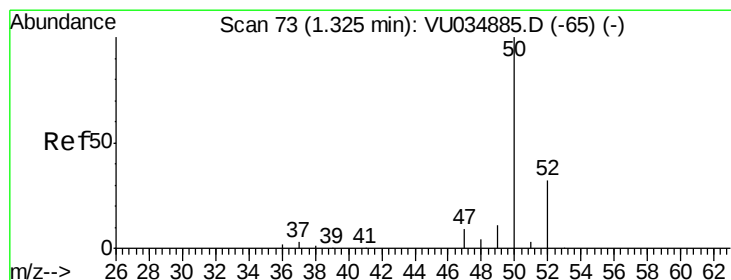
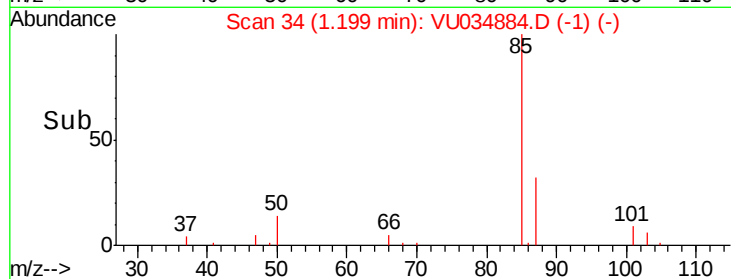
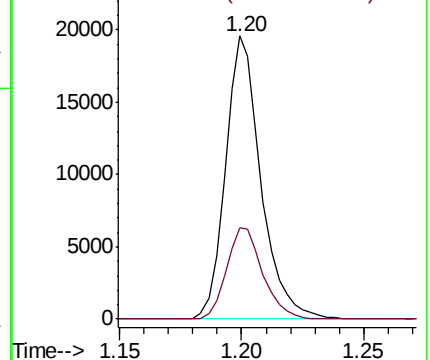
85 100

87 33.0 26.3 39.5



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

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



#3

Chloromethane

Concen: 4.765 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034884.D

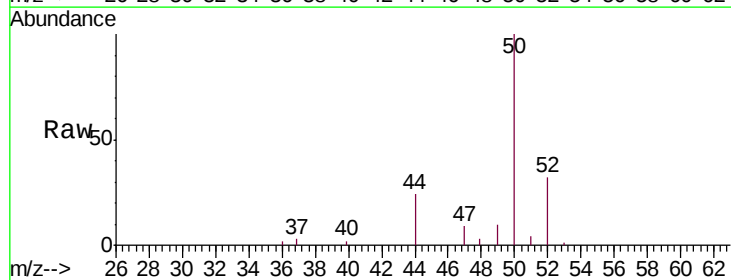
Acq: 30 Sep 2019 17:42

Tgt Ion: 50 Resp: 17613

Ion Ratio Lower Upper

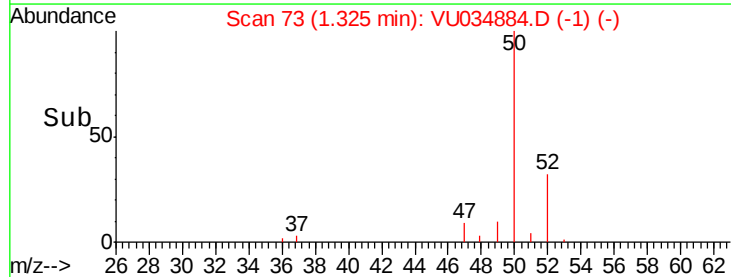
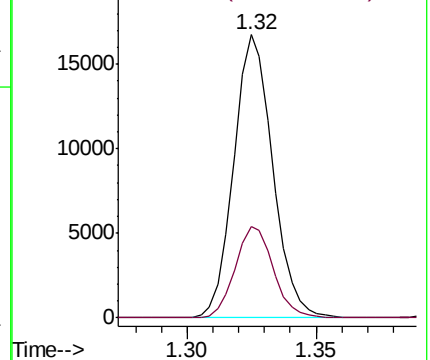
50 100

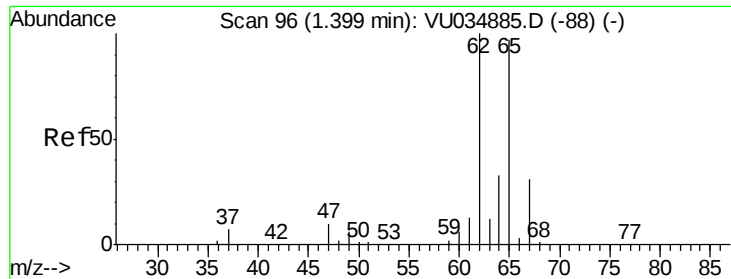
52 32.1 22.4 41.6



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

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





#5

Vinyl chloride

Concen: 5.070 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

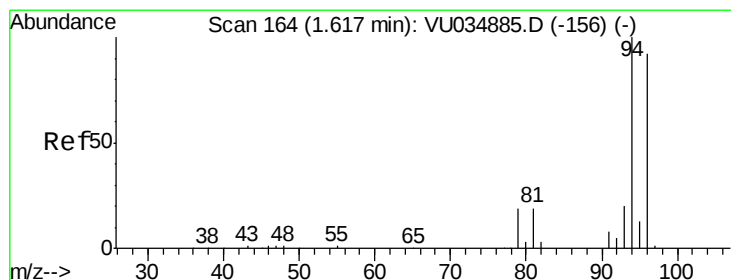
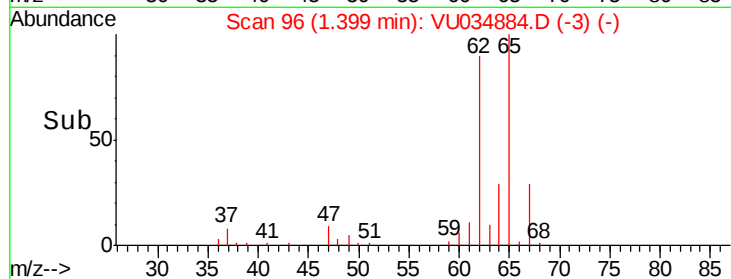
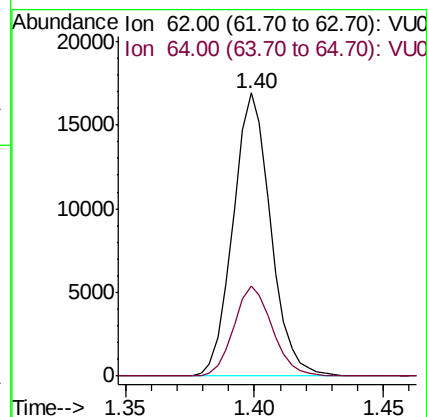
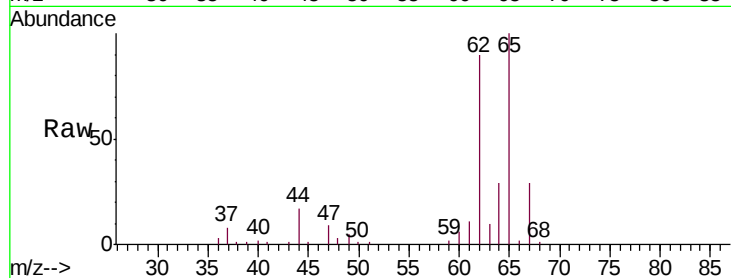
VSTD01033

Tgt Ion: 62 Resp: 17194

Ion Ratio Lower Upper

62 100

64 31.8 23.2 43.0



#6

Bromomethane

Concen: 4.454 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU034884.D

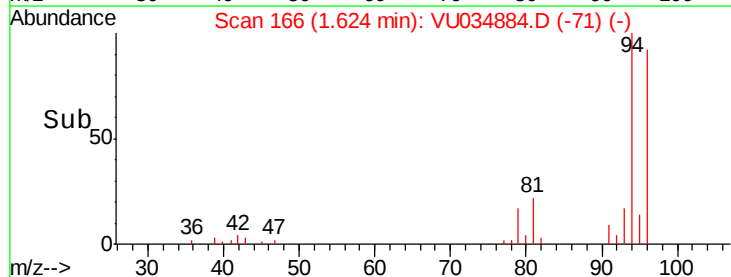
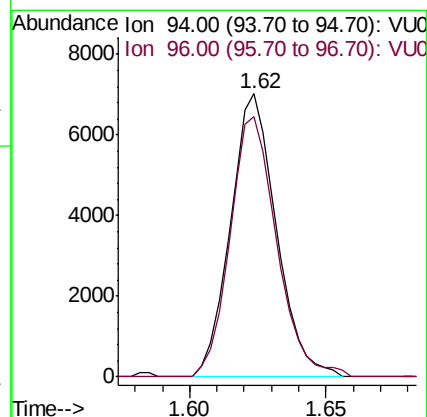
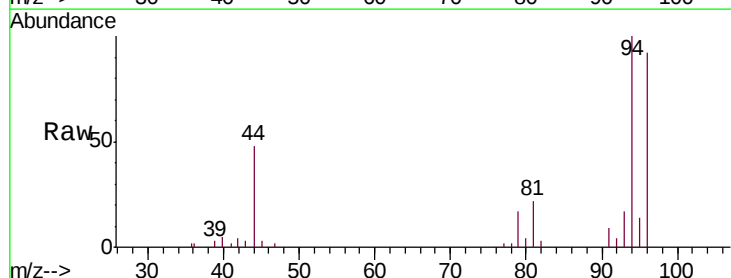
Acq: 30 Sep 2019 17:42

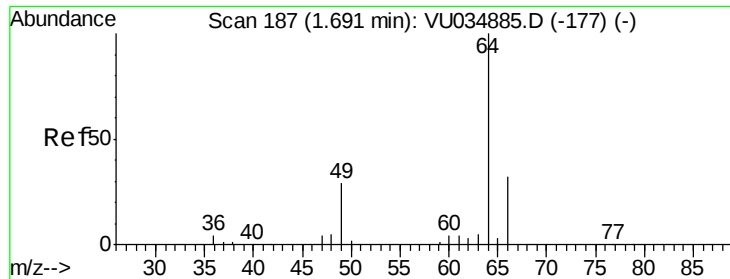
Tgt Ion: 94 Resp: 8197

Ion Ratio Lower Upper

94 100

96 92.1 64.4 119.6





#8

Chloroethane

Concen: 5.640 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

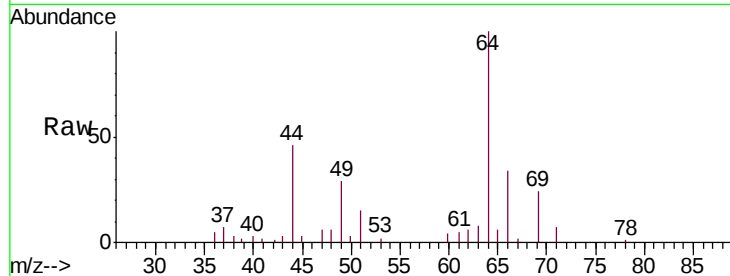
VSTD01033

Tgt Ion: 64 Resp: 11093

Ion Ratio Lower Upper

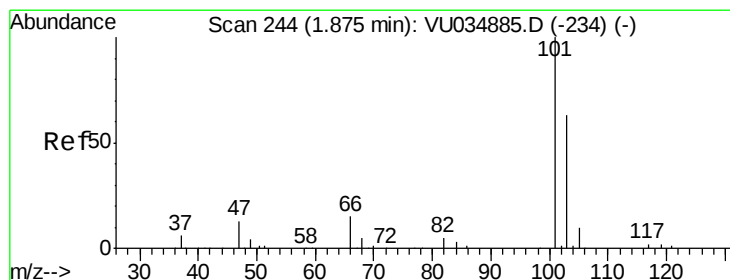
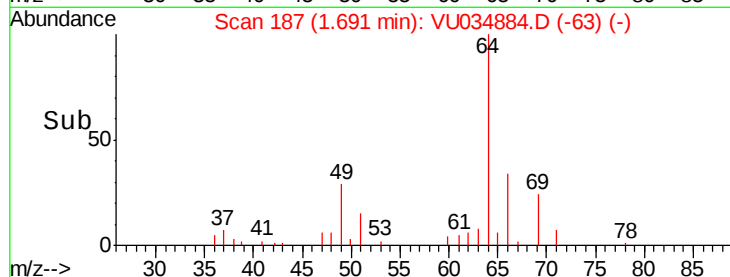
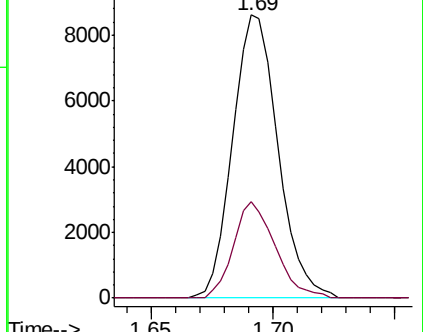
64 100

66 34.1 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU034884.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU034884.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.921 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034884.D

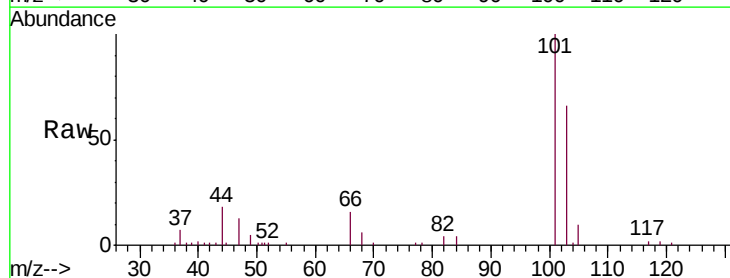
Acq: 30 Sep 2019 17:42

Tgt Ion: 101 Resp: 25937

Ion Ratio Lower Upper

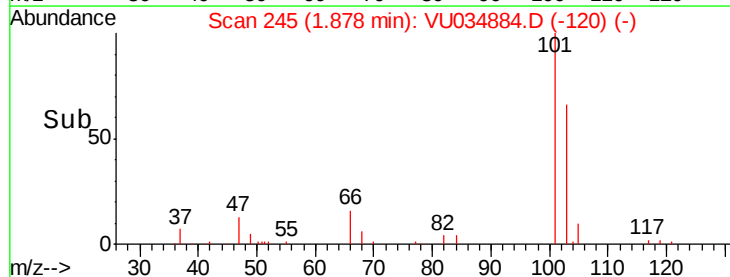
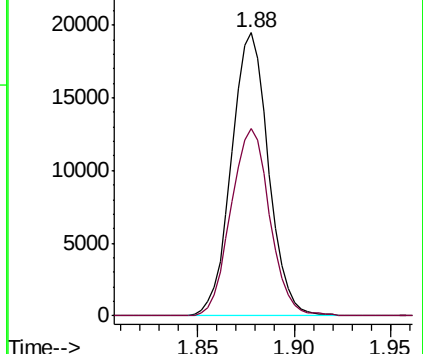
101 100

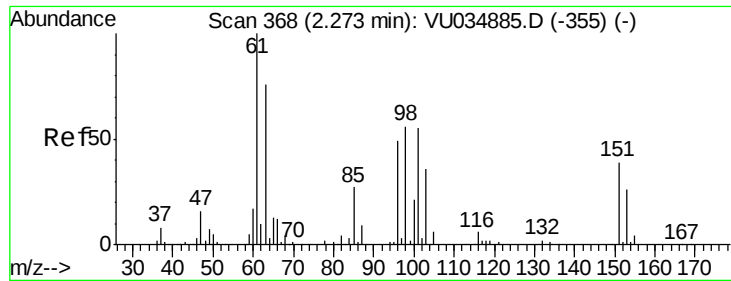
103 69.3 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU034884.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU034884.D (-234) (-)





#10

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

Concen: 7.693 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

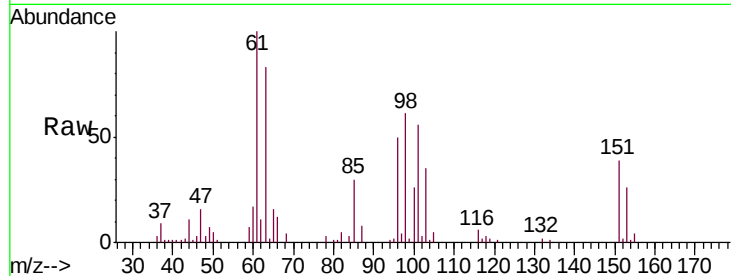
Tgt Ion:101 Resp: 16681

Ion Ratio Lower Upper

101 100

85 48.0 37.1 55.7

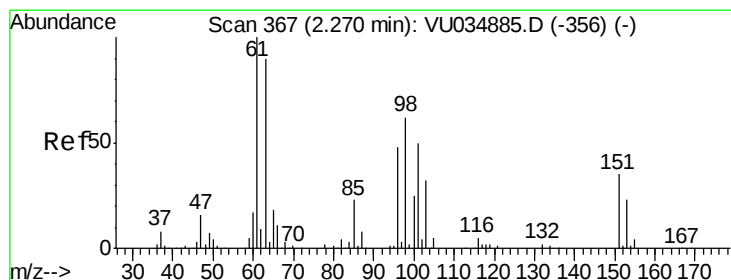
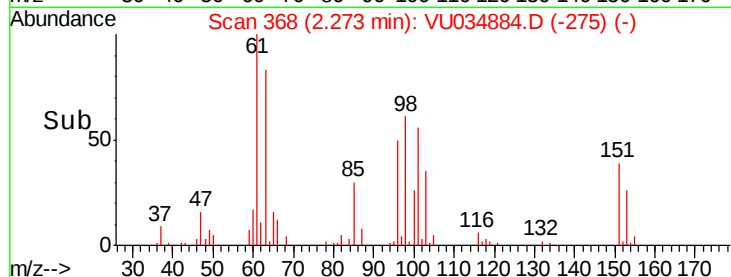
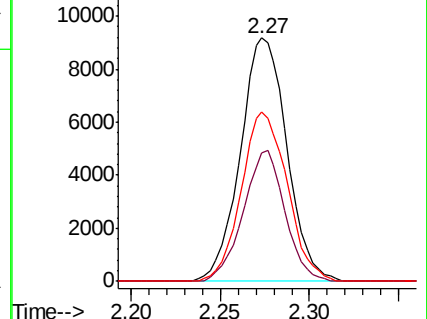
151 68.6 56.0 84.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 6.458 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

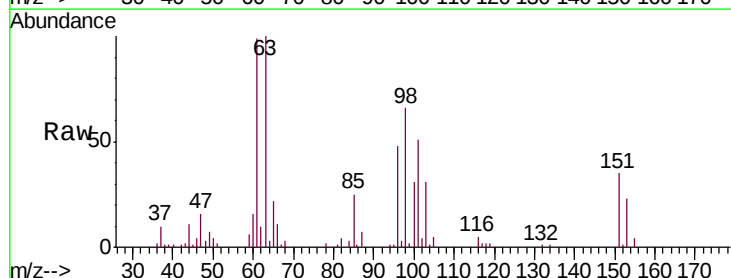
Tgt Ion: 96 Resp: 13049

Ion Ratio Lower Upper

96 100

61 205.9 147.0 273.0

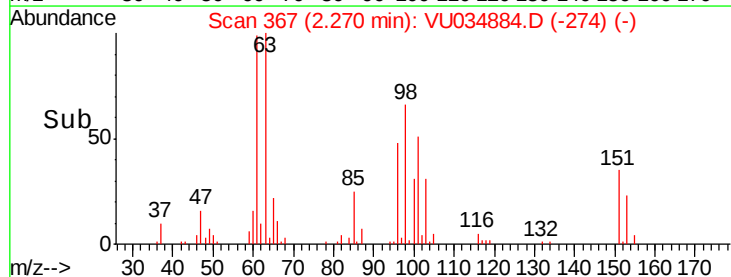
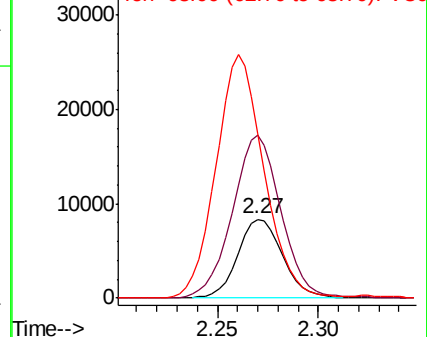
63 208.3 140.5 260.9

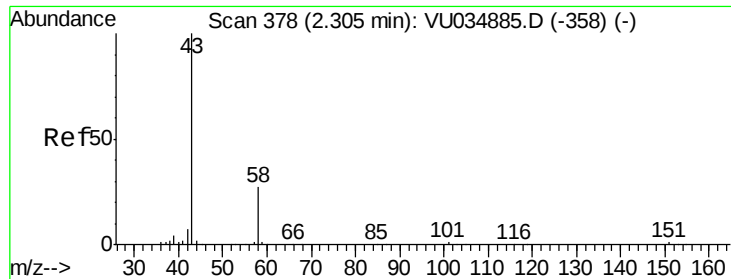


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 13.692 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

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MSVOA_U

ClientSampleId :

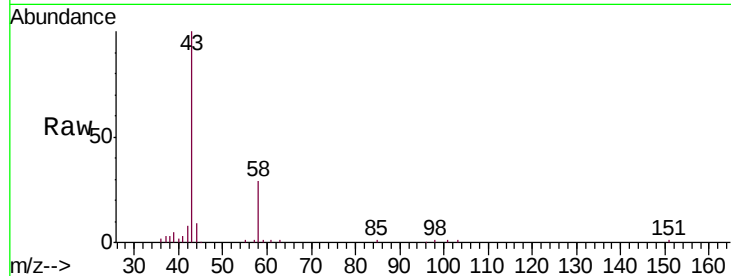
VSTD01033

Tgt Ion: 43 Resp: 39218

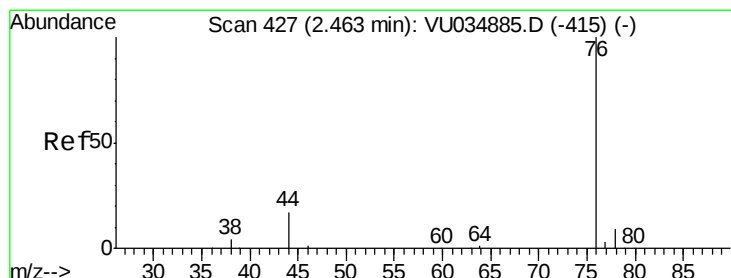
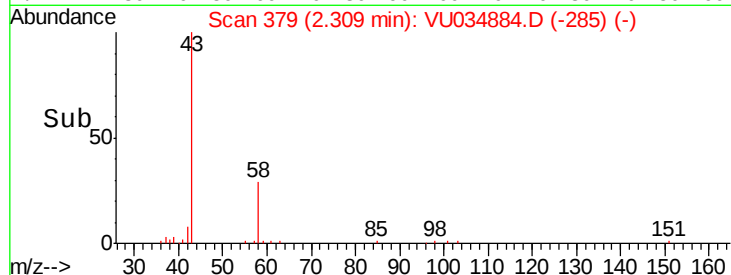
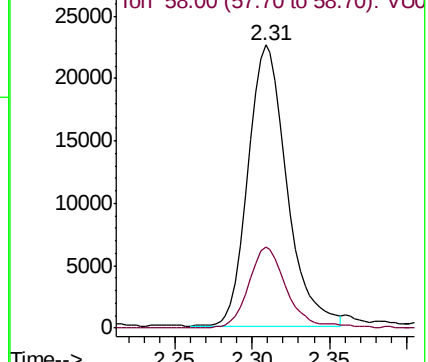
Ion Ratio Lower Upper

43 100

58 28.6 0.0 52.6



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



#14

Carbon disulfide

Concen: 3.186 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034884.D

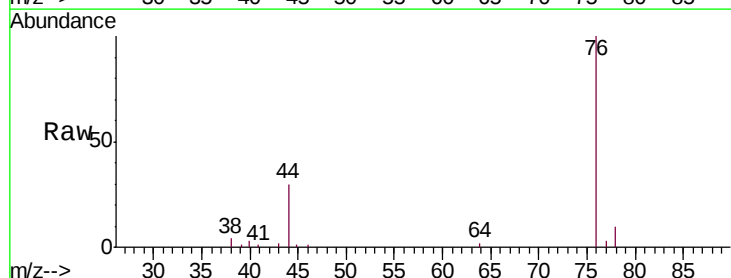
Acq: 30 Sep 2019 17:42

Tgt Ion: 76 Resp: 20327

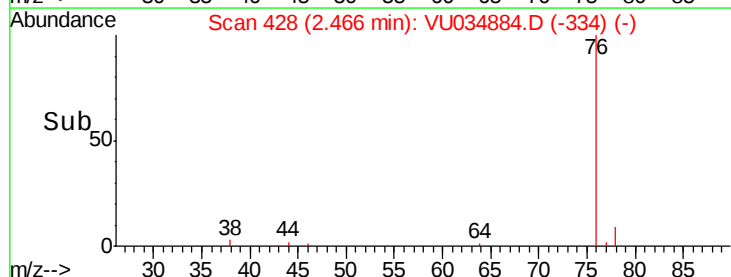
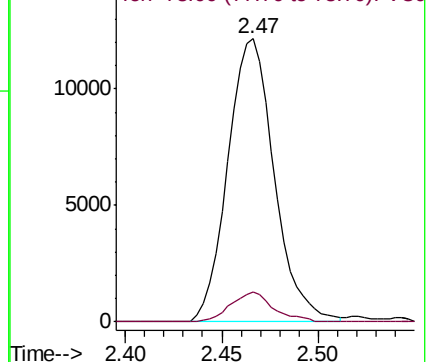
Ion Ratio Lower Upper

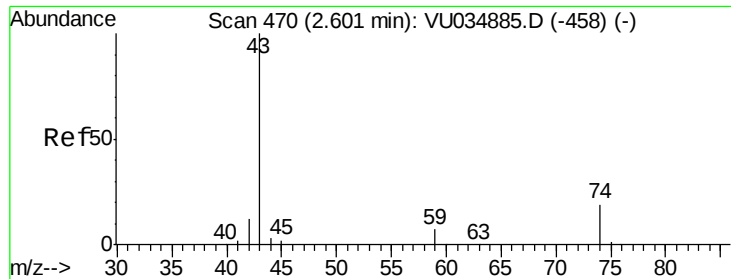
76 100

78 10.4 7.3 10.9



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

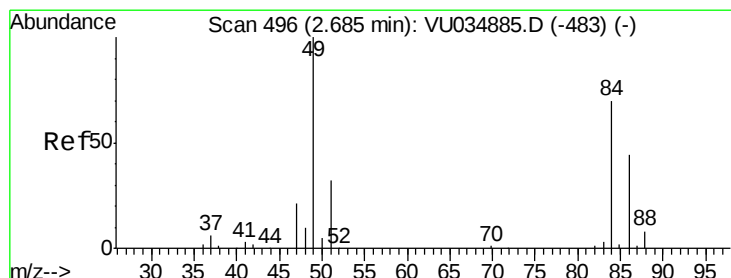
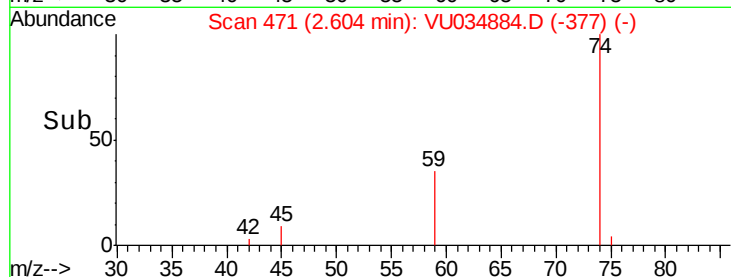
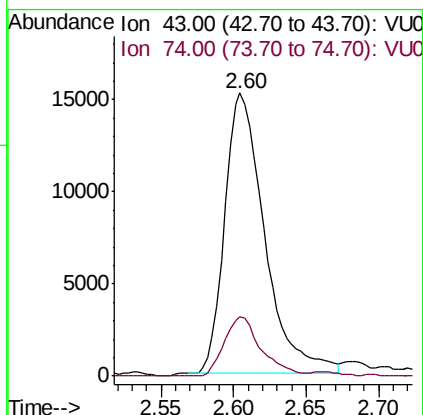
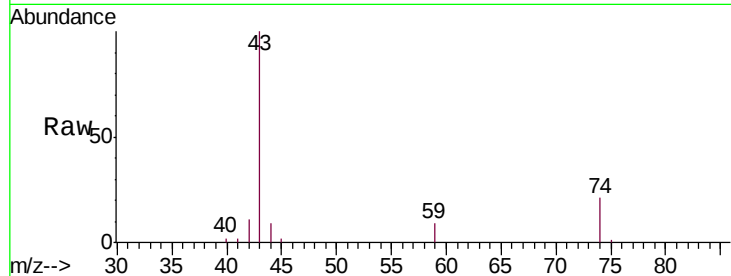




#15
Methyl Acetate
Concen: 7.473 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

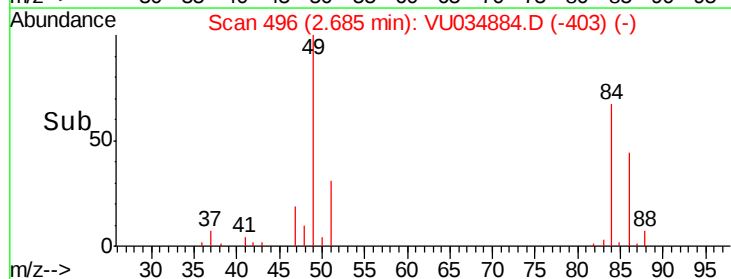
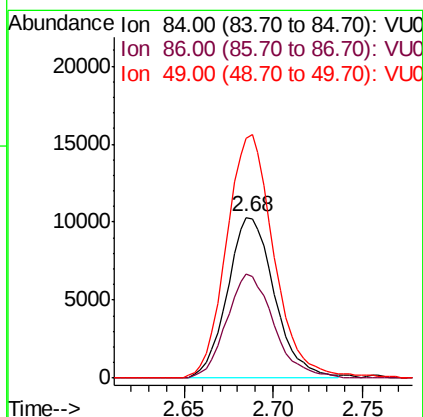
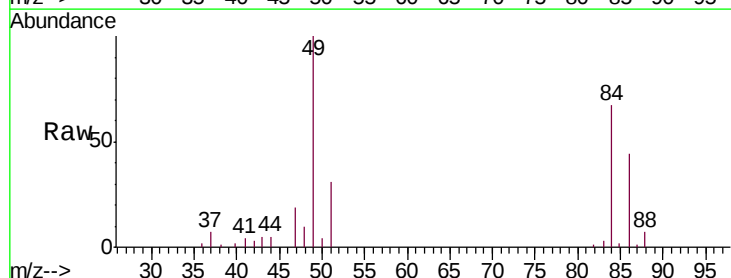
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

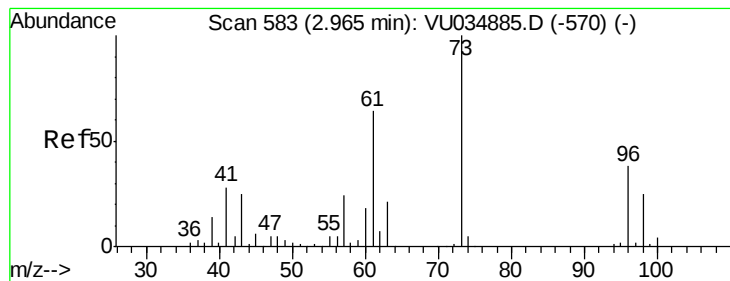
Tgt Ion: 43 Resp: 29078
Ion Ratio Lower Upper
43 100
74 19.6 15.3 22.9



#16
Methylene chloride
Concen: 7.222 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

Tgt Ion: 84 Resp: 18910
Ion Ratio Lower Upper
84 100
86 65.2 44.7 82.9
49 149.6 100.7 186.9





#17

trans-1,2-Dichloroethene

Concen: 6.003 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

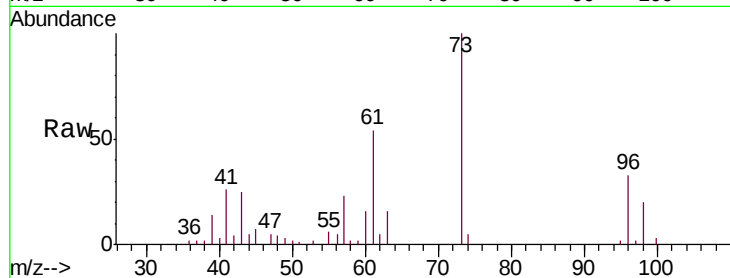
Tgt Ion: 96 Resp: 13215

Ion Ratio Lower Upper

96 100

61 161.7 117.5 218.1

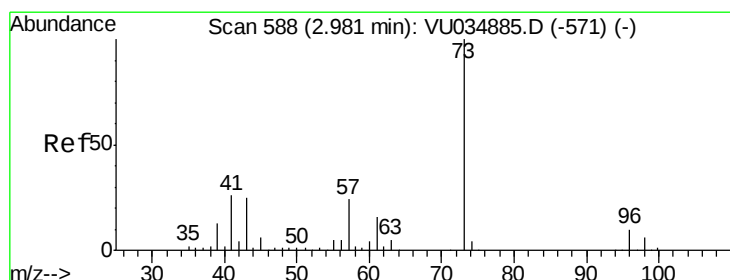
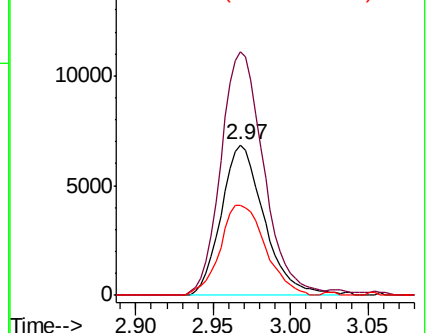
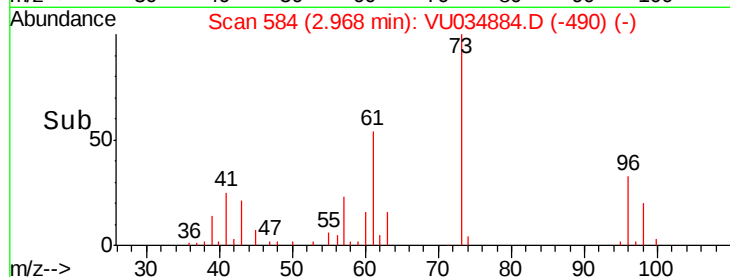
98 59.8 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VU034884.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034884.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034884.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 8.743 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

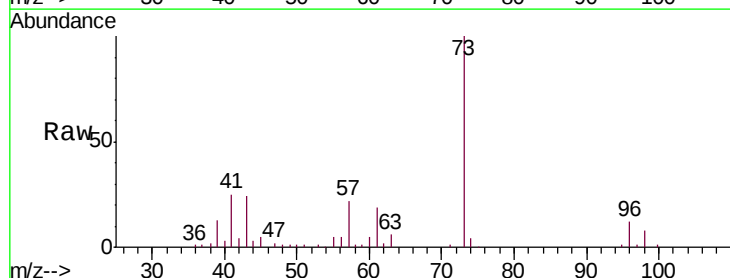
Tgt Ion: 73 Resp: 75354

Ion Ratio Lower Upper

73 100

43 24.2 19.7 29.5

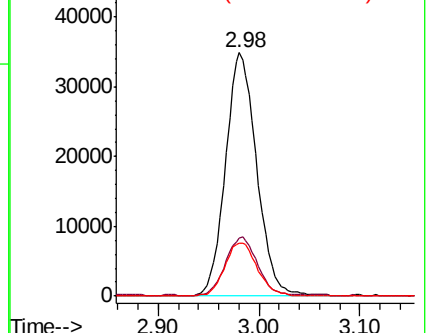
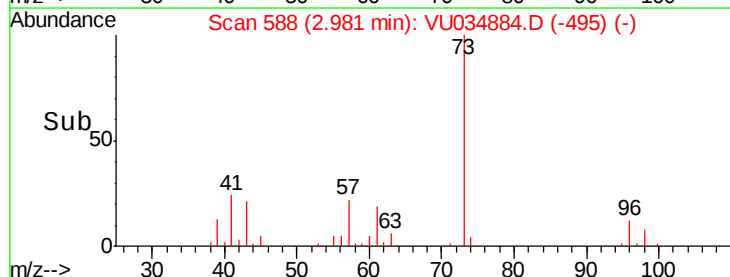
57 22.7 18.8 28.2

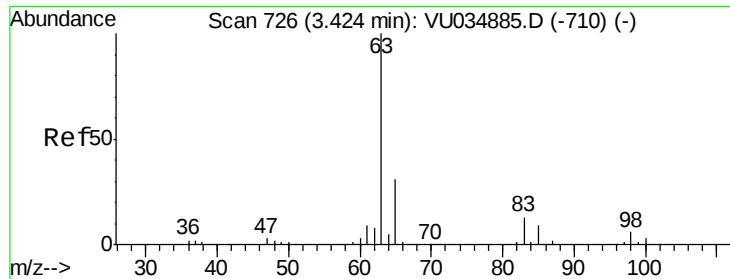


Abundance Ion 73.00 (72.70 to 73.70): VU034884.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU034884.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU034884.D (-495) (-)

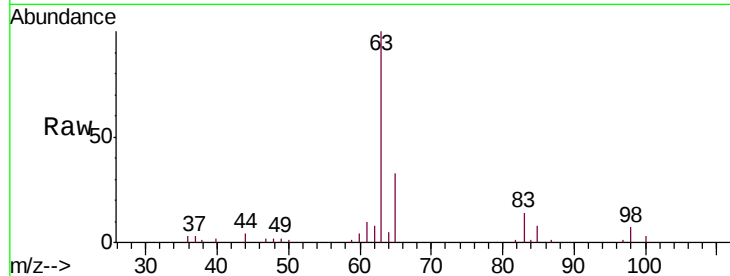




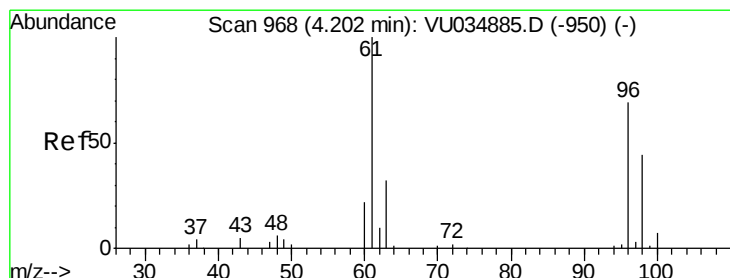
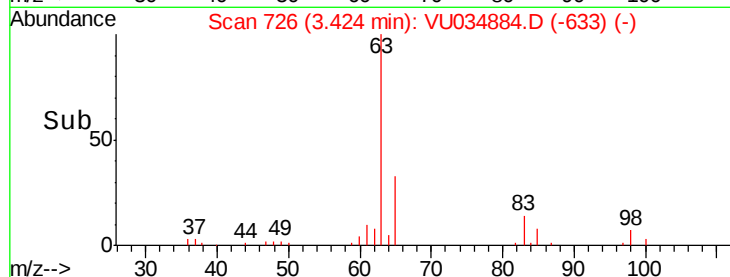
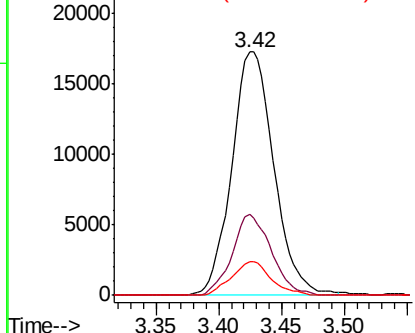
#19
 1,1-Dichloroethane
 Concen: 7.727 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion: 63 Resp: 40296
 Ion Ratio Lower Upper
 63 100
 65 33.3 21.6 40.2
 83 14.0 9.0 16.6

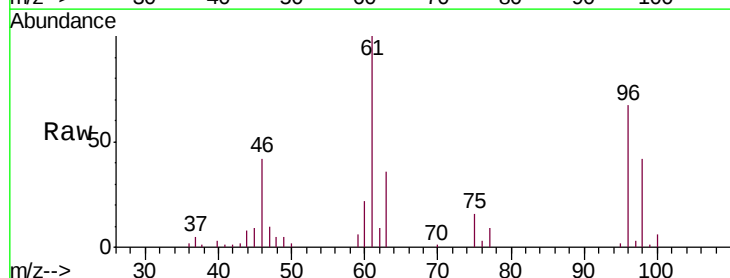


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

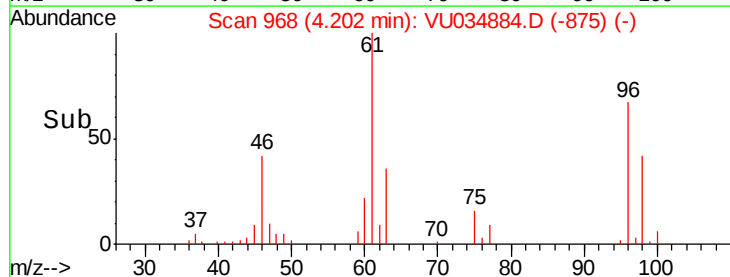
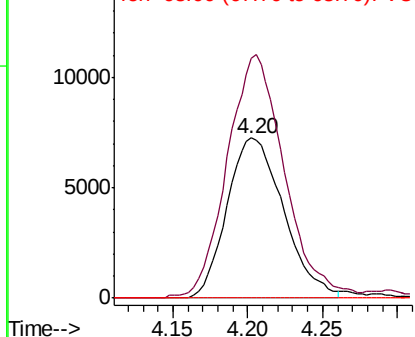


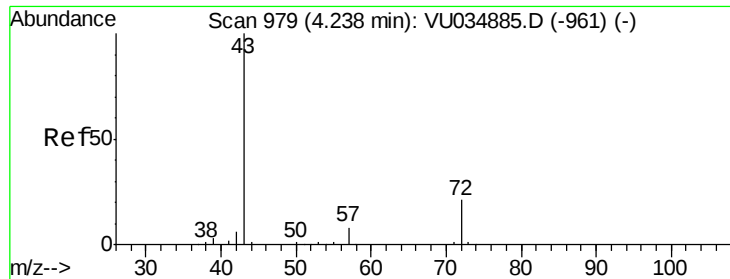
#20
 cis-1,2-Dichloroethene
 Concen: 7.197 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

Tgt Ion: 96 Resp: 19133
 Ion Ratio Lower Upper
 96 100
 61 149.6 101.2 188.0
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 13.526 ug/L

RT: 4.25 min Scan# 982

Delta R.T. 0.01 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

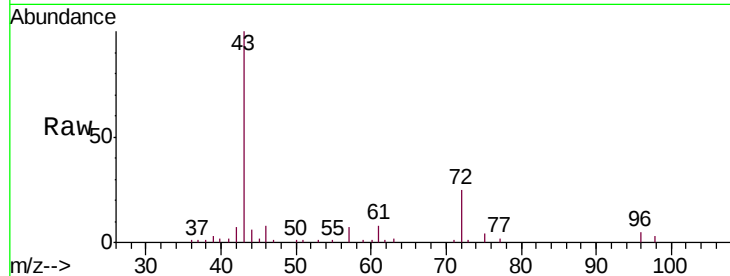
VSTD01033

Tgt Ion: 43 Resp: 46386

Ion Ratio Lower Upper

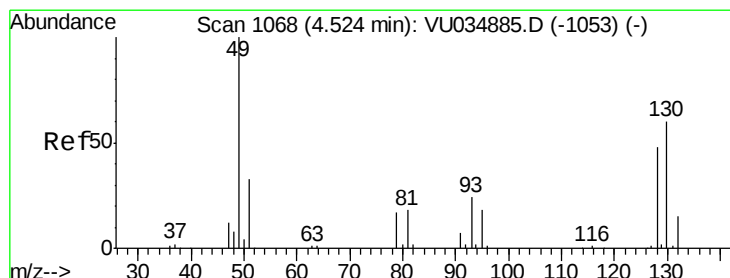
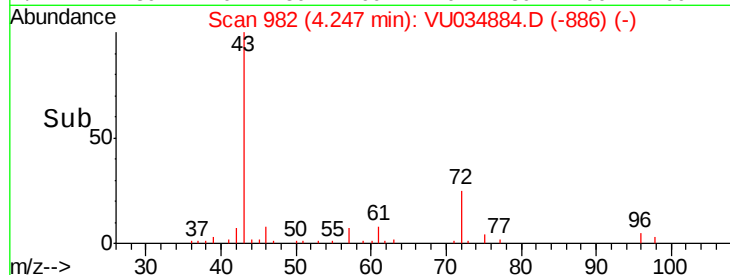
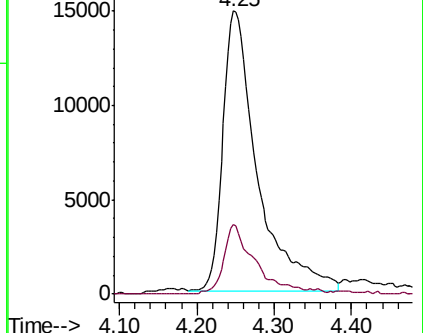
43 100

72 18.0 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VU034884.D (-982) (-)

Ion 72.00 (71.70 to 72.70): VU034884.D (-982) (-)



#23

Bromochloromethane

Concen: 7.493 ug/L

RT: 4.53 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Tgt Ion: 128 Resp: 9495

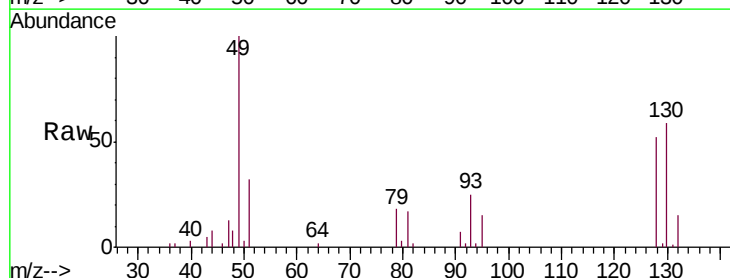
Ion Ratio Lower Upper

128 100

49 191.9 145.7 270.5

130 114.0 86.9 161.5

51 61.7 54.6 82.0

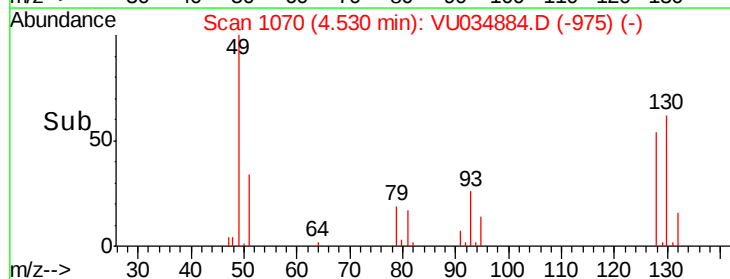
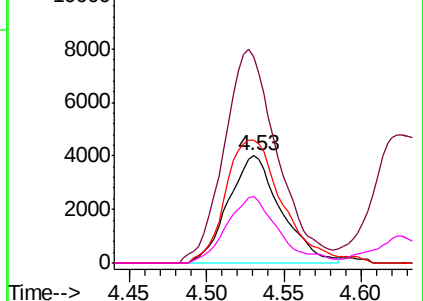


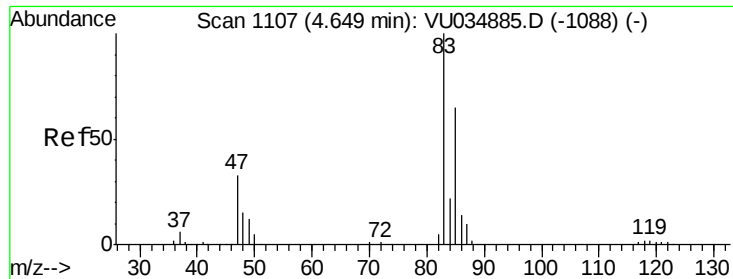
Abundance Ion 128.00 (127.70 to 128.70): VU034884.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VU034884.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VU034884.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VU034884.D (-975) (-)

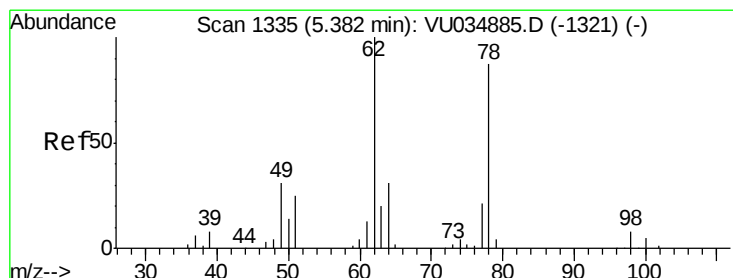
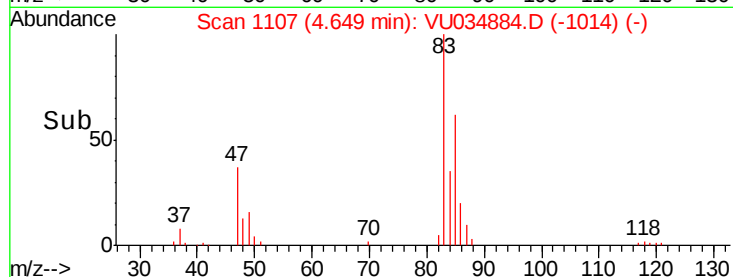
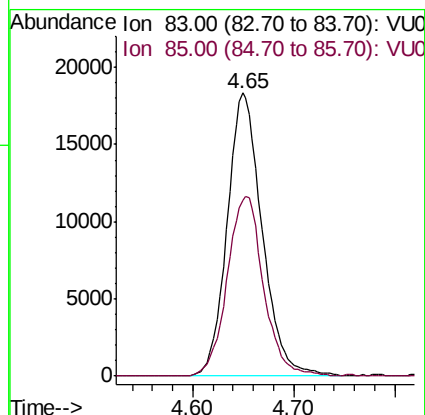
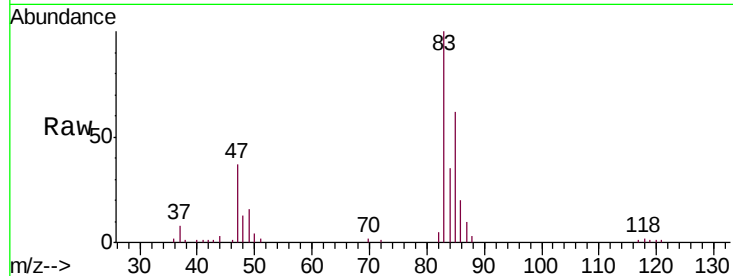




#25
Chloroform
Concen: 8.492 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

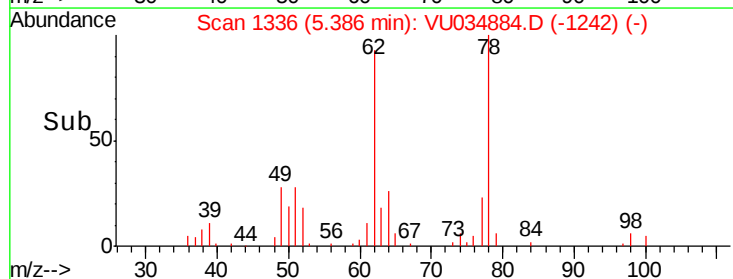
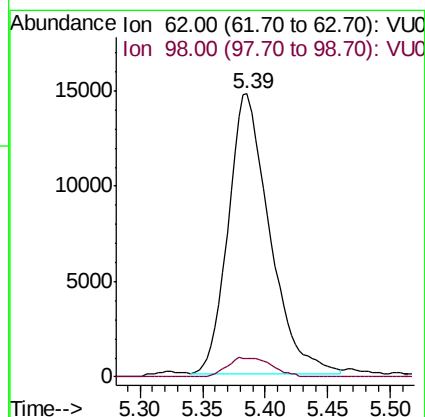
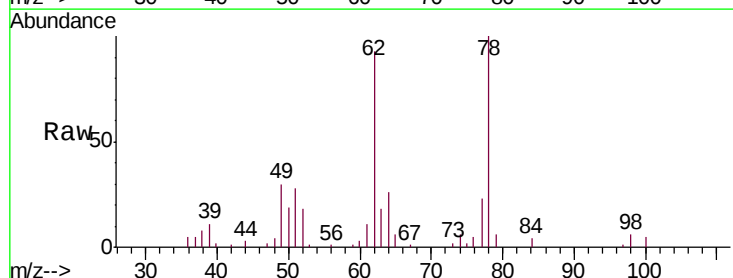
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

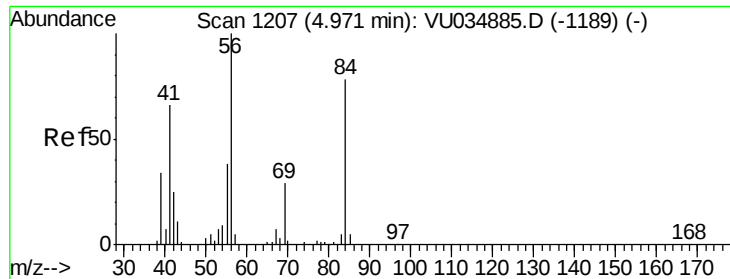
Tgt Ion: 83 Resp: 44312
Ion Ratio Lower Upper
83 100
85 62.3 45.5 84.5



#27
1,2-Dichloroethane
Concen: 7.571 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

Tgt Ion: 62 Resp: 33501
Ion Ratio Lower Upper
62 100
98 6.6 6.2 9.2

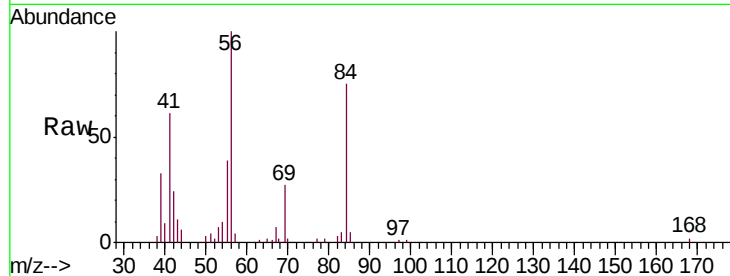




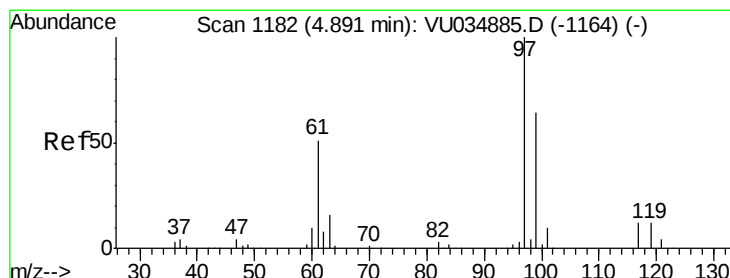
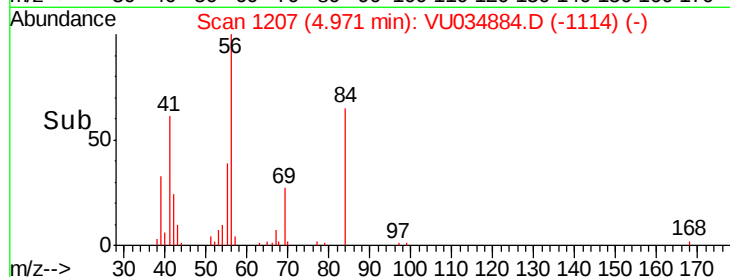
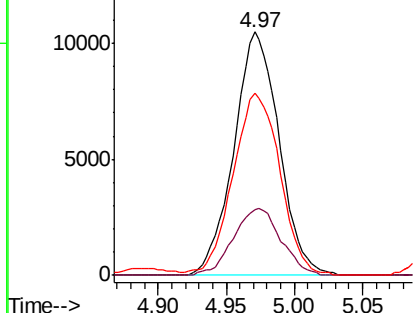
#29
Cyclohexane
Concen: 4.996 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.8	22.6	33.8
84	78.0	61.6	92.4

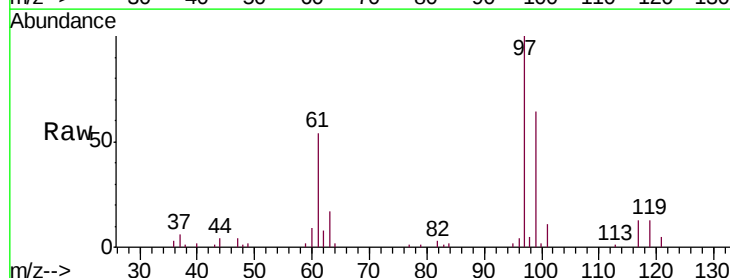


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

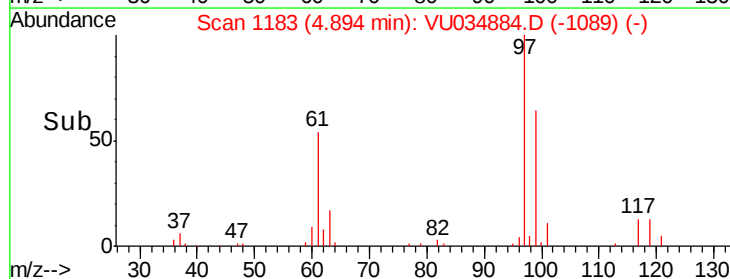
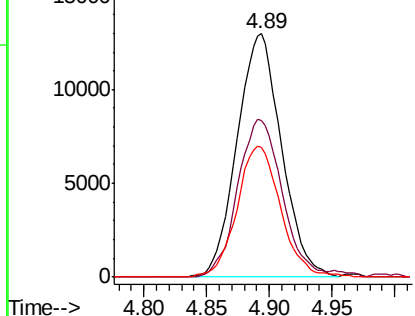


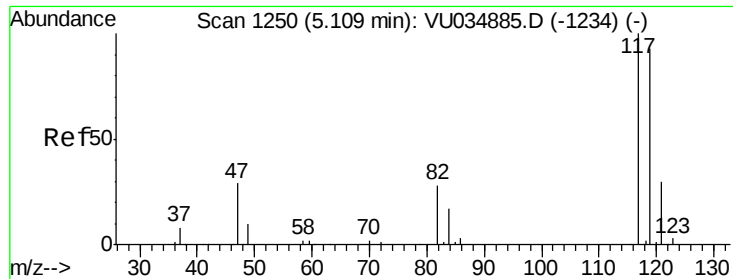
#30
1,1,1-Trichloroethane
Concen: 7.561 ug/L
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	51.9	41.2	61.8



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

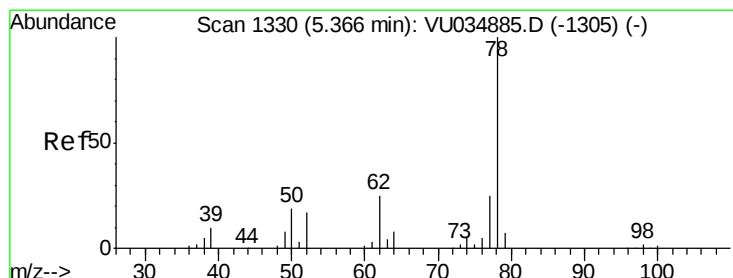
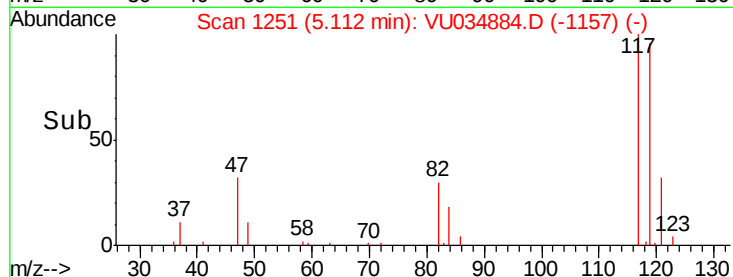
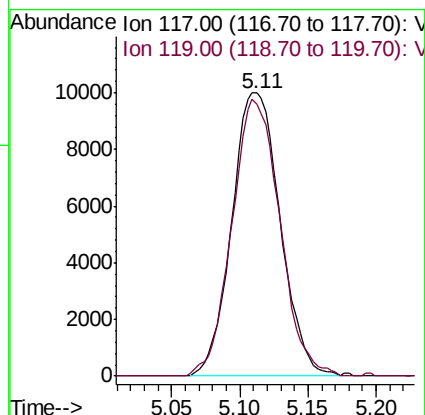
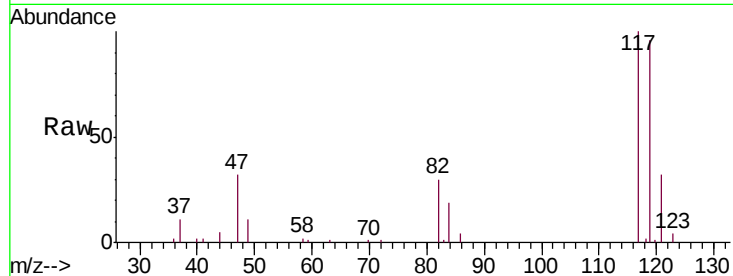




#31
Carbon tetrachloride
Concen: 6.934 ug/L
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

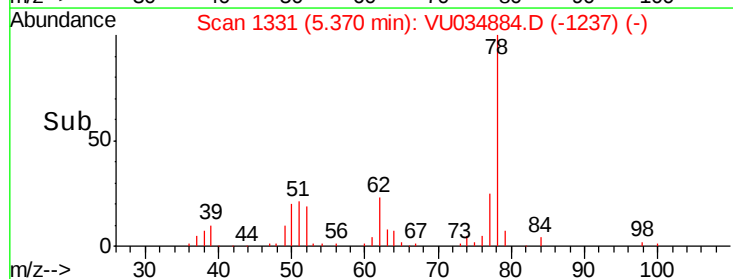
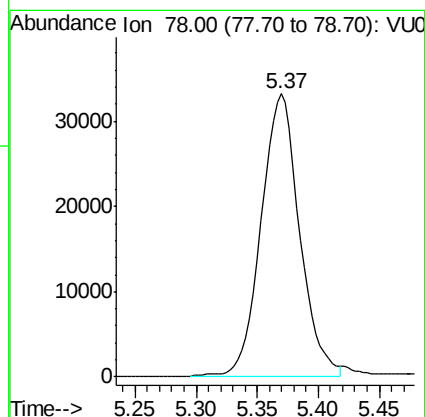
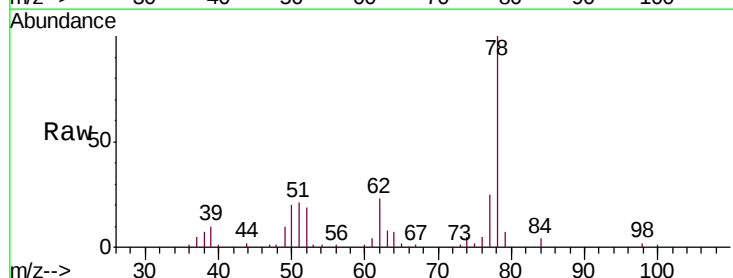
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

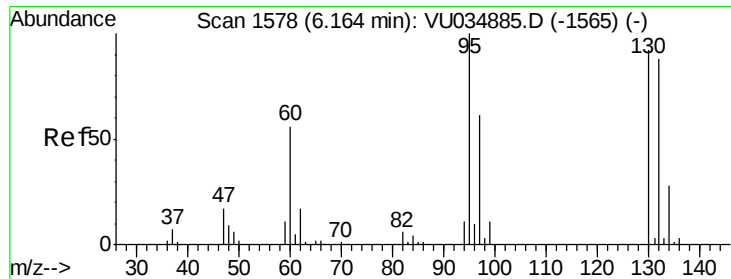
Tgt Ion:117 Resp: 24588
Ion Ratio Lower Upper
117 100
119 97.0 75.3 112.9



#33
Benzene
Concen: 6.911 ug/L
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

Tgt Ion: 78 Resp: 72939

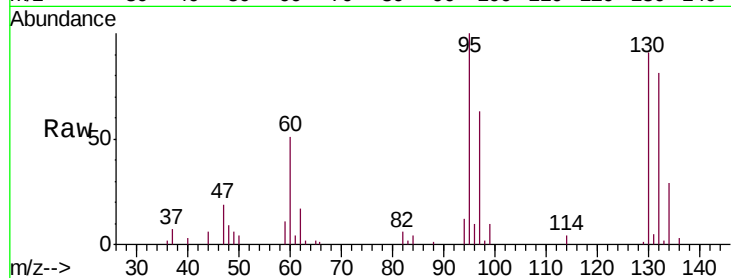




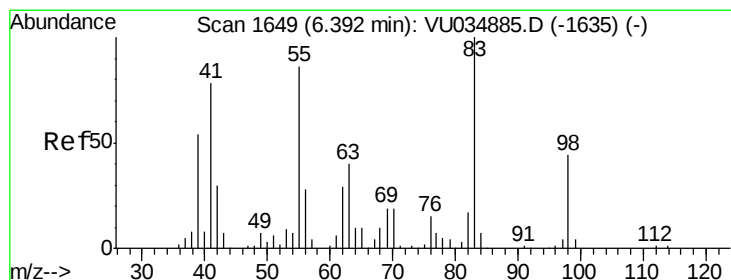
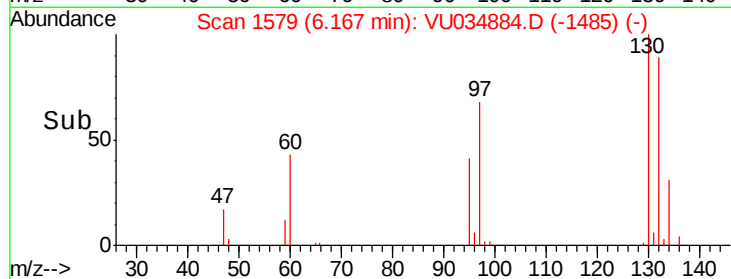
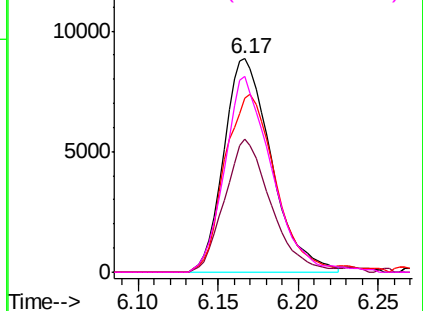
#34
 Trichloroethene
 Concen: 6.889 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion: 95 Resp: 18015
 Ion Ratio Lower Upper
 95 100
 97 62.5 42.9 79.7
 132 81.4 61.7 114.7
 130 91.4 64.6 120.0

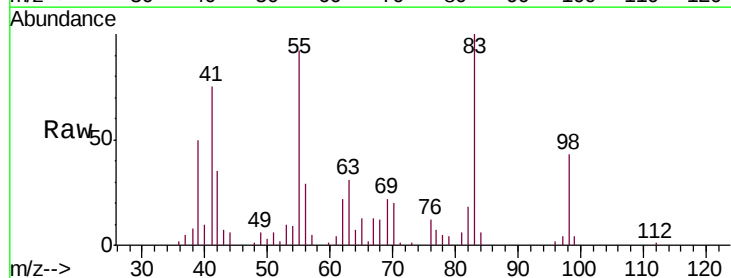


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

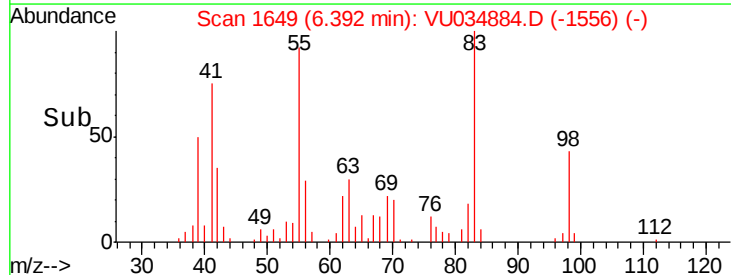
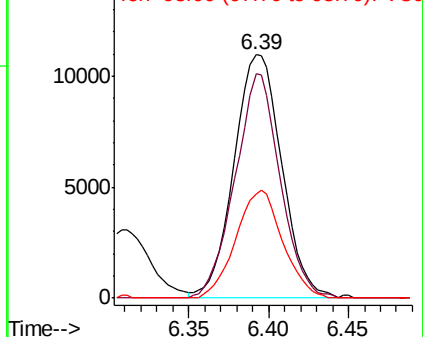


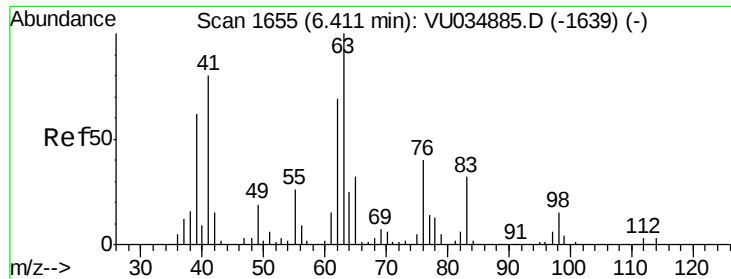
#35
 Methylcyclohexane
 Concen: 5.211 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

Tgt Ion: 83 Resp: 22335
 Ion Ratio Lower Upper
 83 100
 55 87.0 68.4 102.6
 98 43.5 35.3 52.9



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

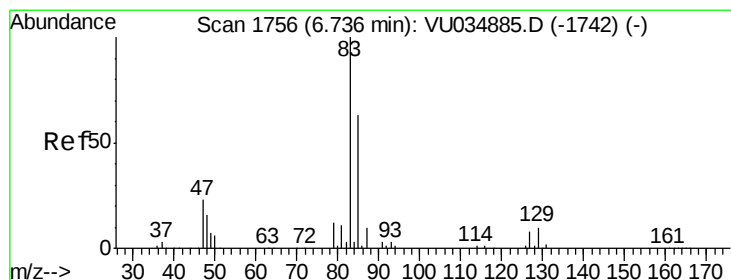
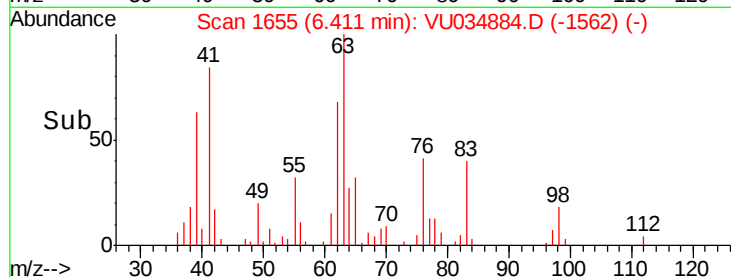
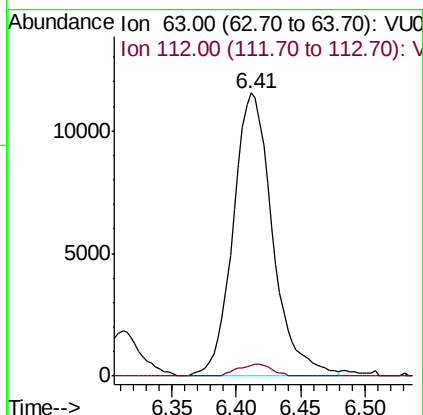
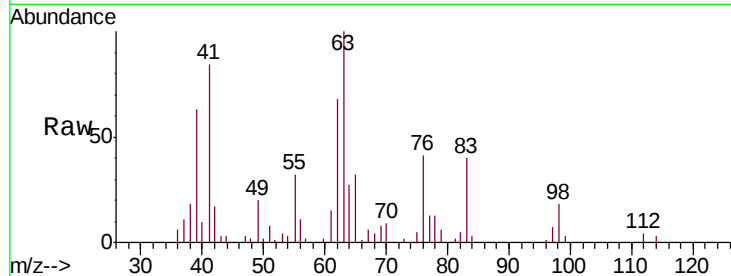




#37
 1,2-Dichloropropane
 Concen: 7.713 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

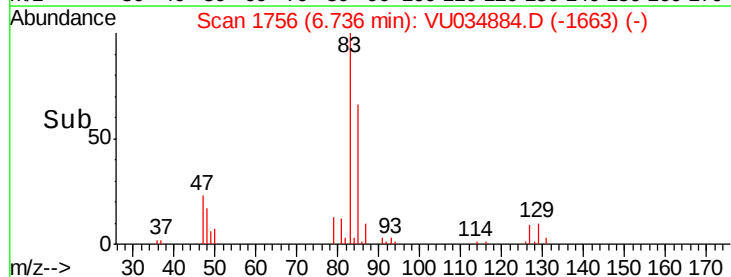
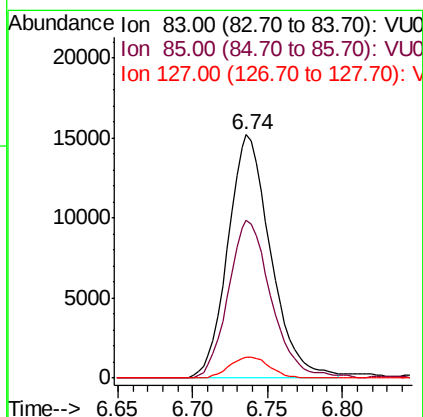
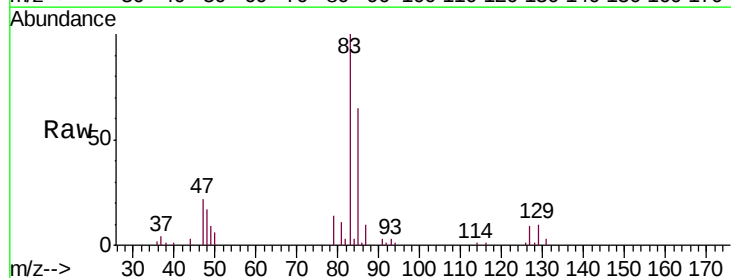
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

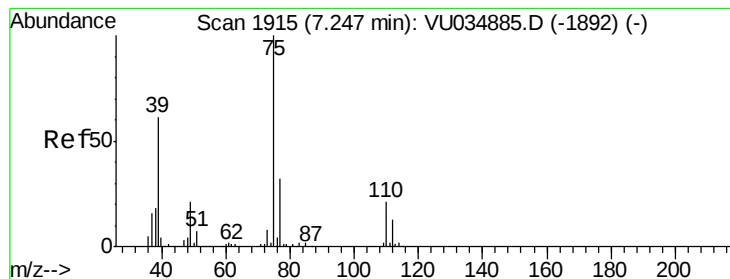
Tgt Ion: 63 Resp: 24598
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.8 4.2



#38
 Bromodichloromethane
 Concen: 7.744 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

Tgt Ion: 83 Resp: 30273
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.4 82.4
 127 8.5 6.6 9.8



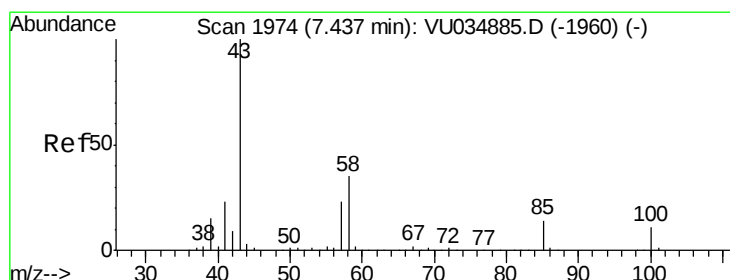
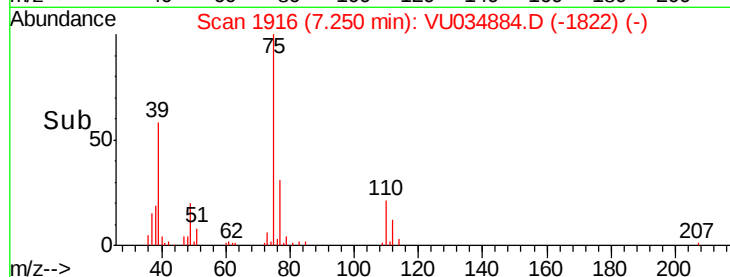
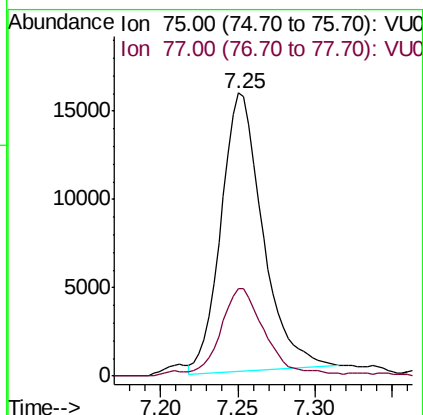
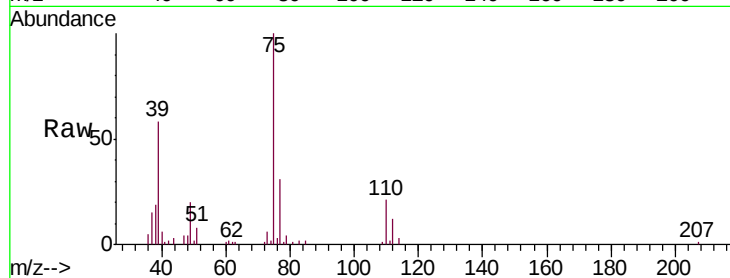


#39

cis-1,3-Dichloropropene
 Concen: 6.127 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

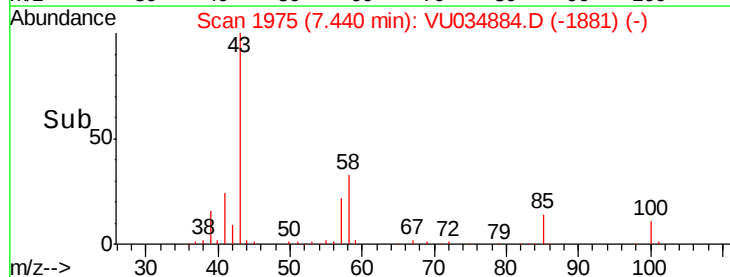
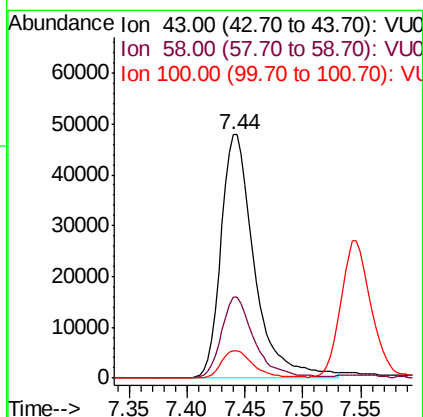
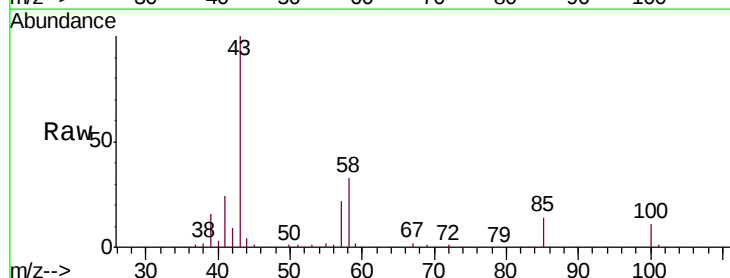
Tgt Ion: 75 Resp: 29414
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.4 41.6

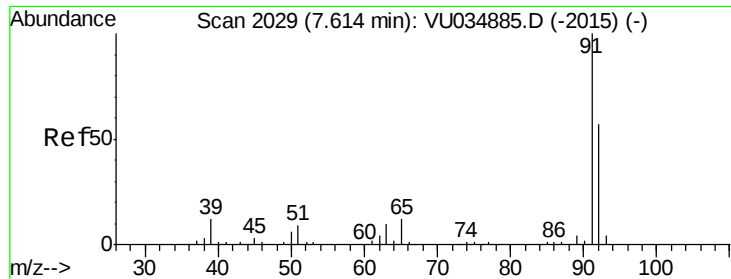


#40

4-Methyl-2-pentanone
 Concen: 15.543 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

Tgt Ion: 43 Resp: 95848
 Ion Ratio Lower Upper
 43 100
 58 32.3 27.5 41.3
 100 10.8 9.0 13.6





#42

Toluene

Concen: 6.618 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

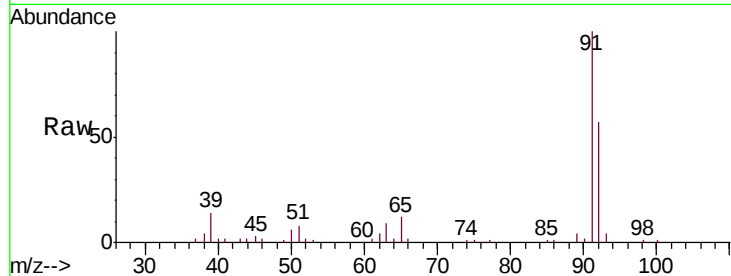
VSTD01033

Tgt Ion: 91 Resp: 75345

Ion Ratio Lower Upper

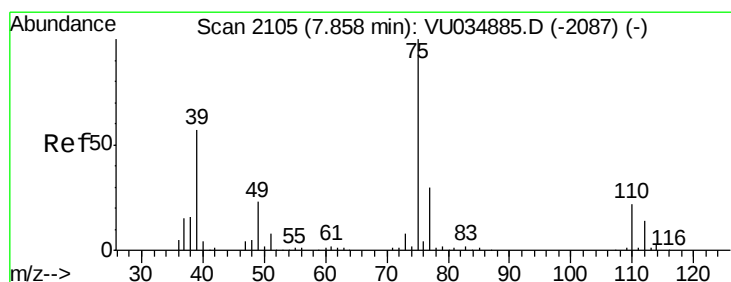
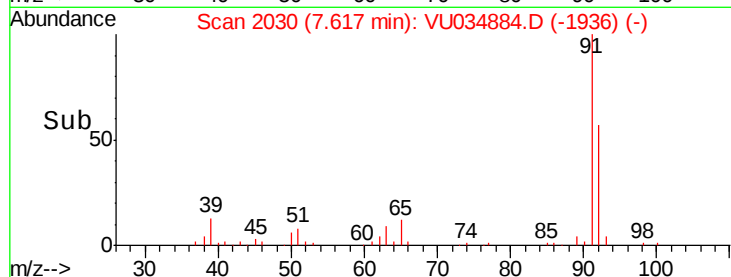
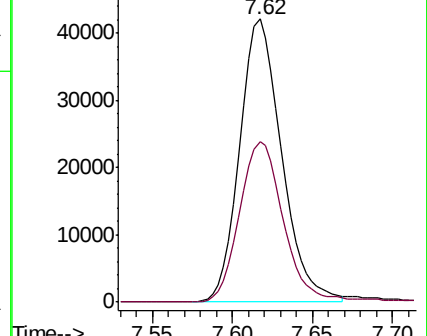
91 100

92 56.6 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU034885.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU034885.D (-2015) (-)



#44

trans-1,3-Dichloropropene

Concen: 6.614 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VU034884.D

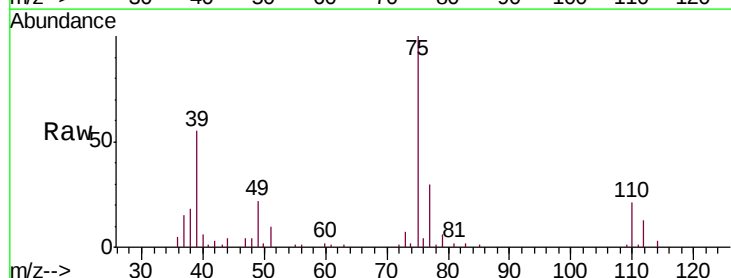
Acq: 30 Sep 2019 17:42

Tgt Ion: 75 Resp: 28365

Ion Ratio Lower Upper

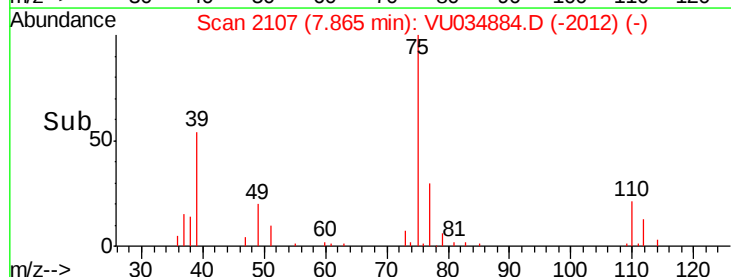
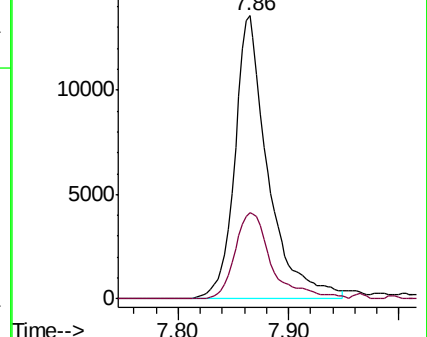
75 100

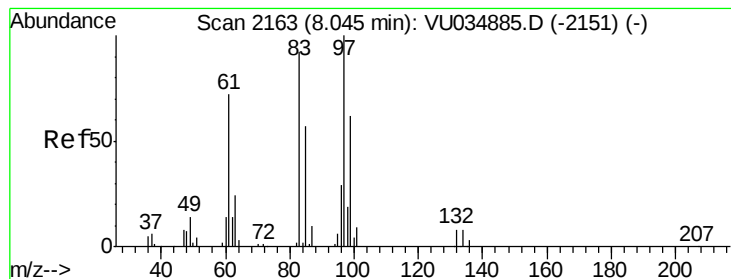
77 30.3 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU034885.D (-2087) (-)

Ion 77.00 (76.70 to 77.70): VU034885.D (-2087) (-)





#45

1,1,2-Trichloroethane

Concen: 8.687 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

Tgt Ion: 97 Resp: 22807

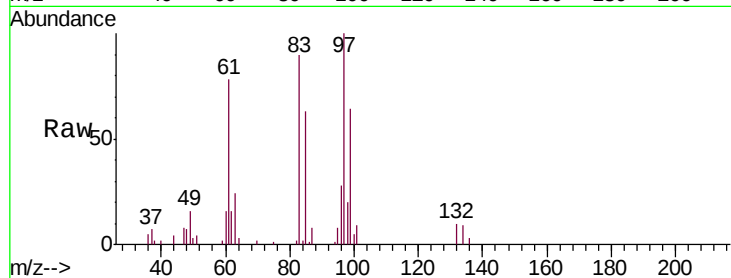
Ion Ratio Lower Upper

97 100

99 63.6 43.3 80.5

83 89.8 64.3 119.5

85 62.5 39.9 74.1

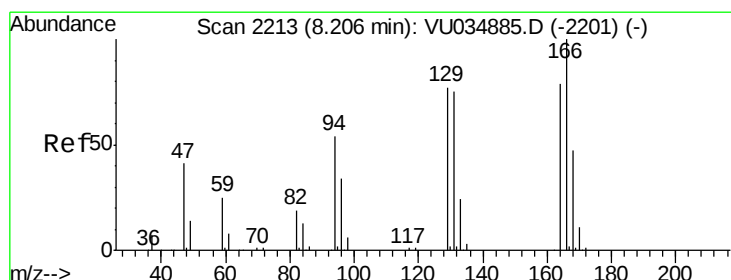
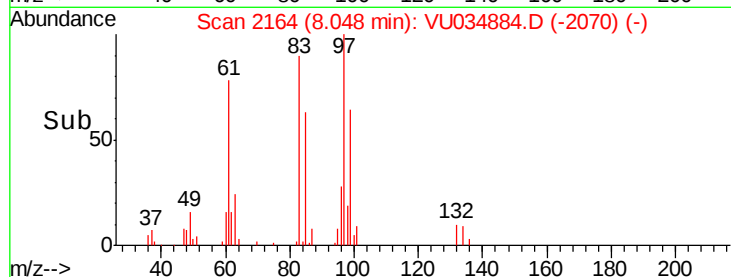
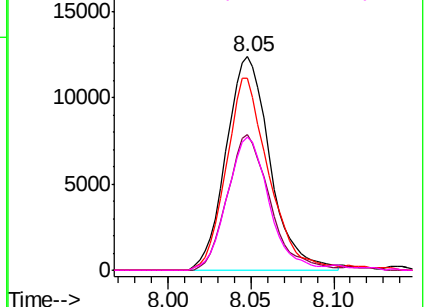


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 6.546 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Tgt Ion: 164 Resp: 11909

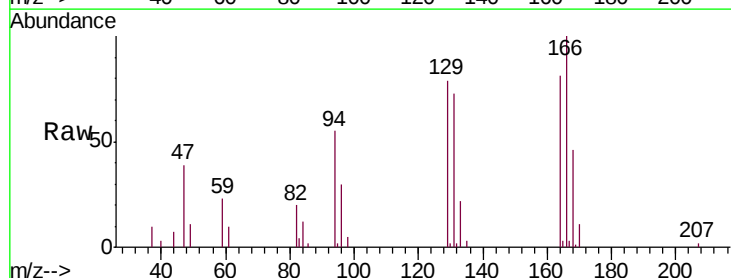
Ion Ratio Lower Upper

164 100

129 98.0 68.3 126.8

131 90.6 66.2 123.0

166 123.9 88.1 163.5

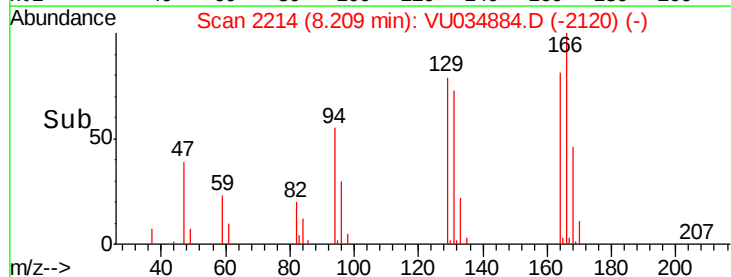
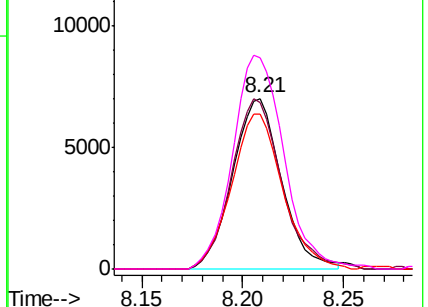


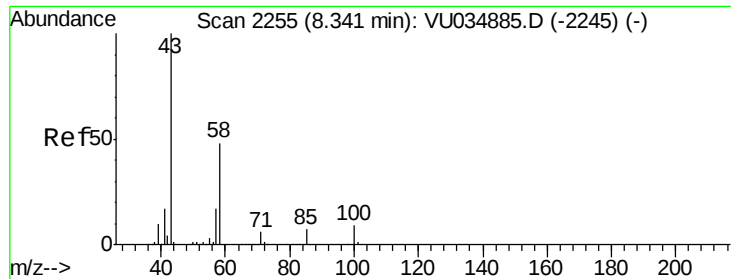
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

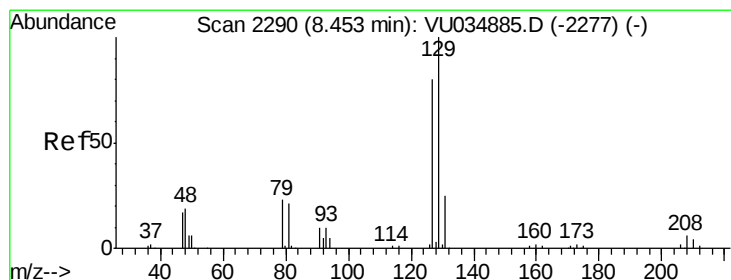
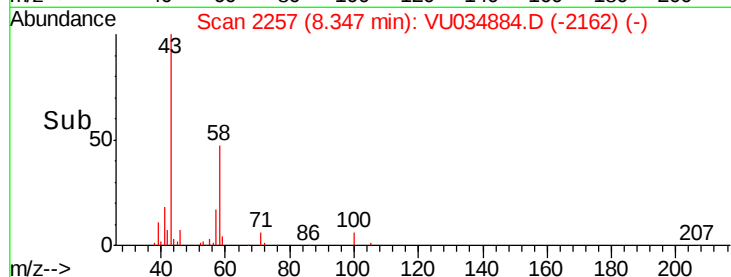
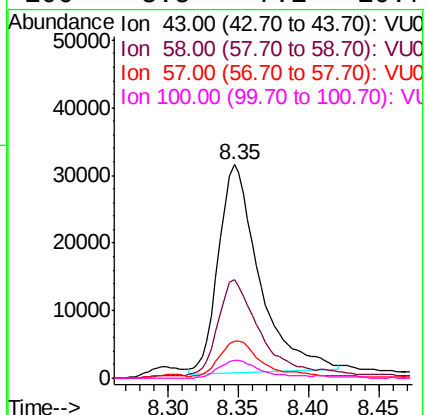
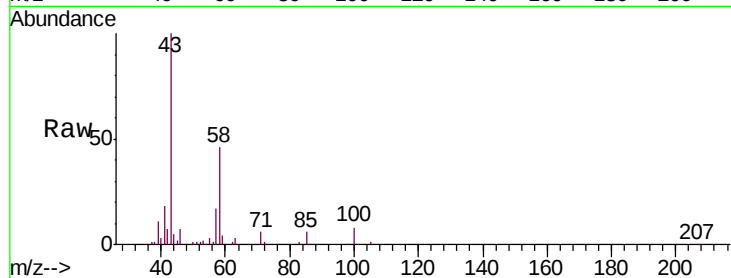




#48
2-Hexanone
Concen: 13.085 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.01 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

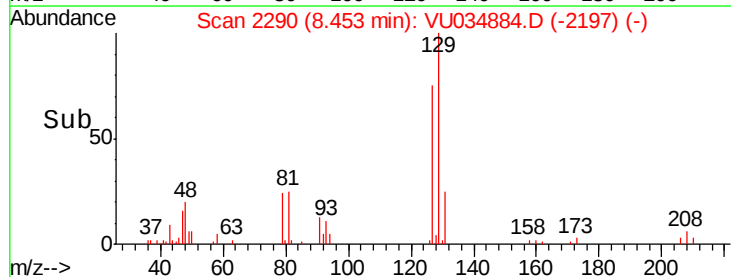
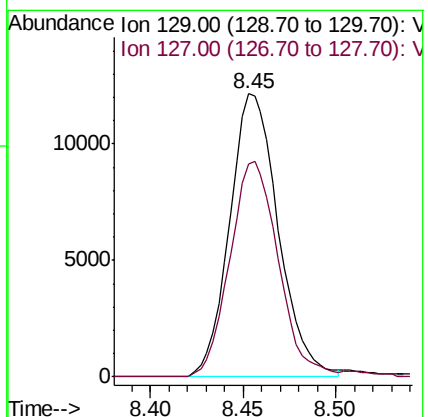
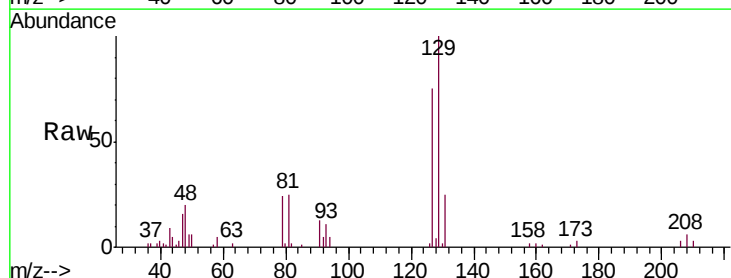
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

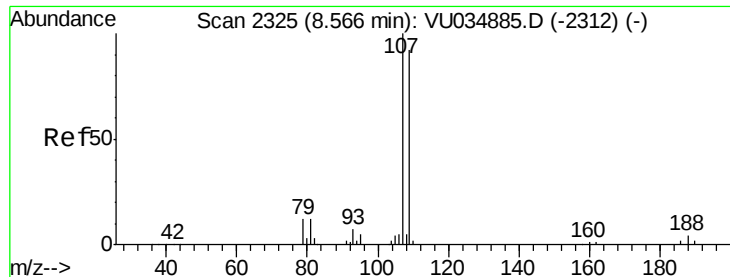
Tgt Ion:	43	Resp:	62530
Ion	Ratio	Lower	Upper
43	100		
58	46.5	37.8	56.8
57	15.8	13.4	20.0
100	8.5	7.1	10.7



#49
Dibromochloromethane
Concen: 7.631 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

Tgt Ion:	129	Resp:	22164
Ion	Ratio	Lower	Upper
129	100		
127	75.5	55.8	103.6

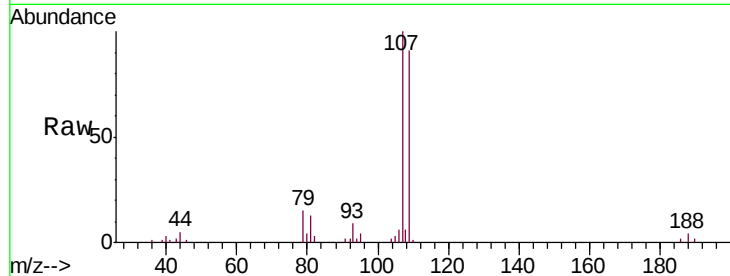




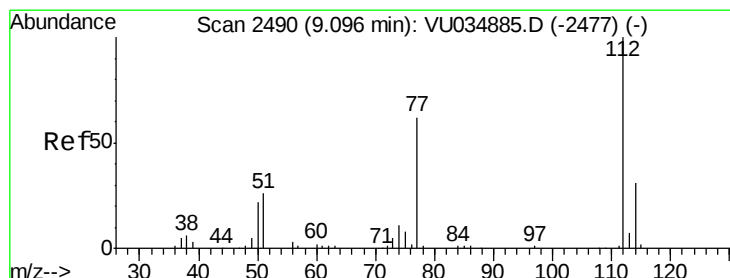
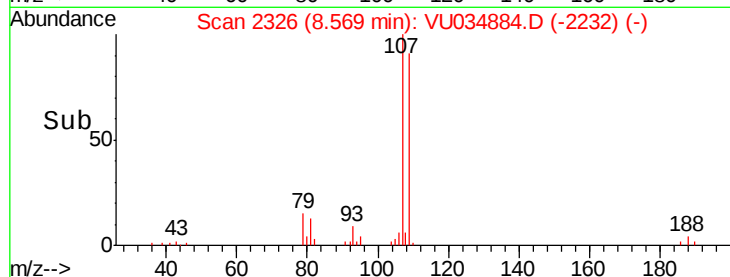
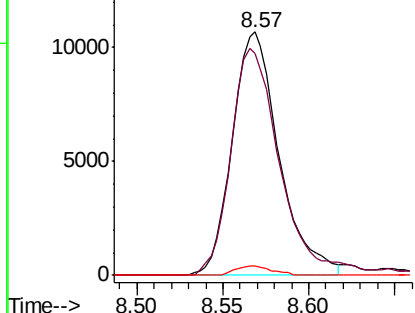
#50
1,2-Dibromoethane
Concen: 7.378 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Tgt Ion:107 Resp: 20370
Ion Ratio Lower Upper
107 100
109 91.0 64.6 120.0
188 3.9 2.8 4.2

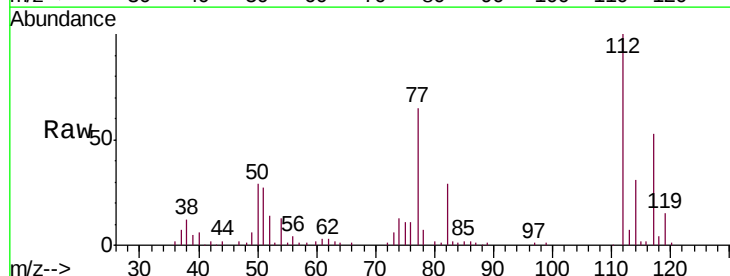


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

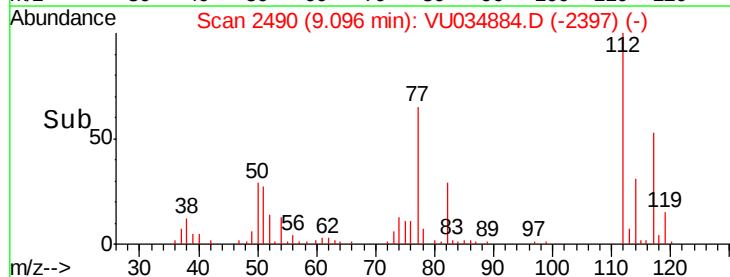
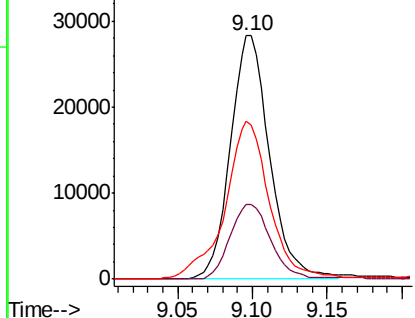


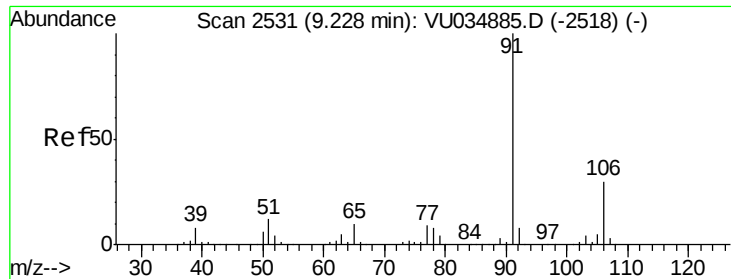
#51
Chlorobenzene
Concen: 7.350 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034884.D
Acq: 30 Sep 2019 17:42

Tgt Ion:112 Resp: 51715
Ion Ratio Lower Upper
112 100
114 30.7 21.7 40.3
77 64.9 50.1 75.1



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





#52

Ethylbenzene

Concen: 6.897 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

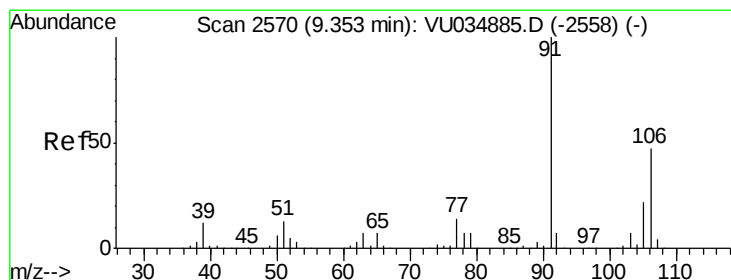
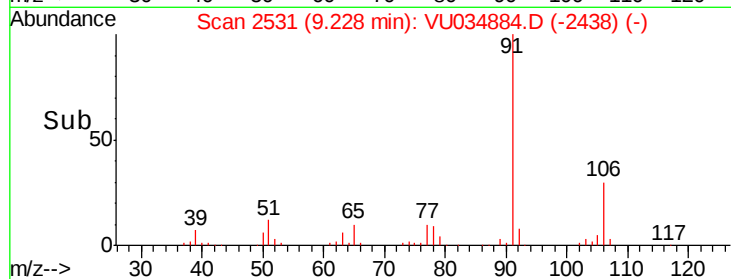
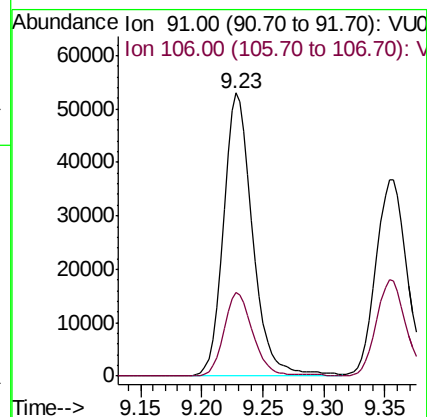
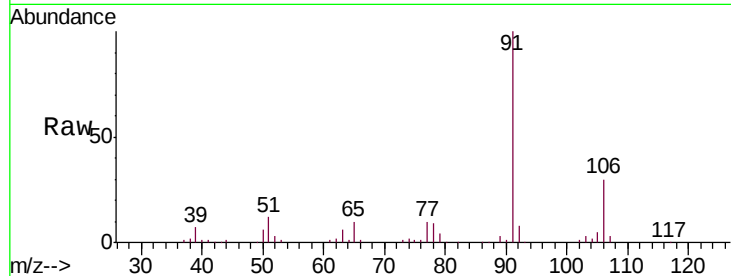
VSTD01033

Tgt Ion: 91 Resp: 89146

Ion Ratio Lower Upper

91 100

106 29.6 20.9 38.9



#53

m,p-Xylene

Concen: 6.861 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034884.D

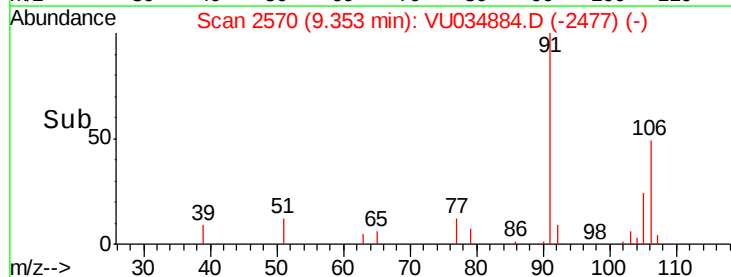
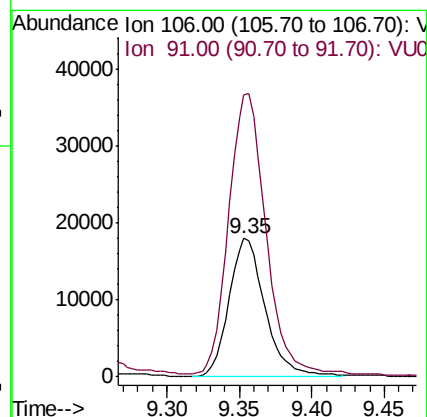
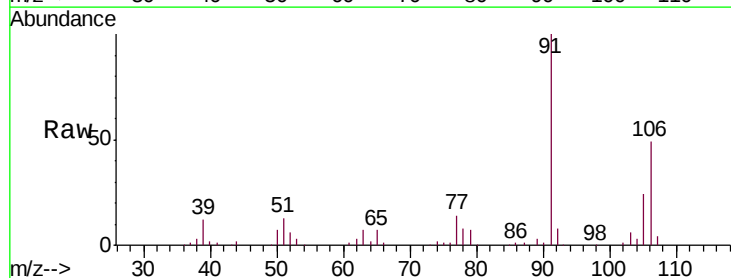
Acq: 30 Sep 2019 17:42

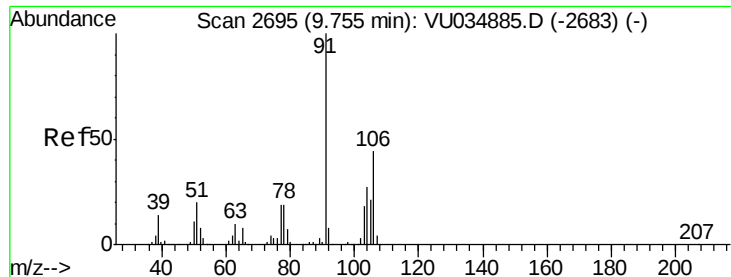
Tgt Ion: 106 Resp: 31233

Ion Ratio Lower Upper

106 100

91 203.8 150.1 278.9





#54

o-xylene

Concen: 7.034 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

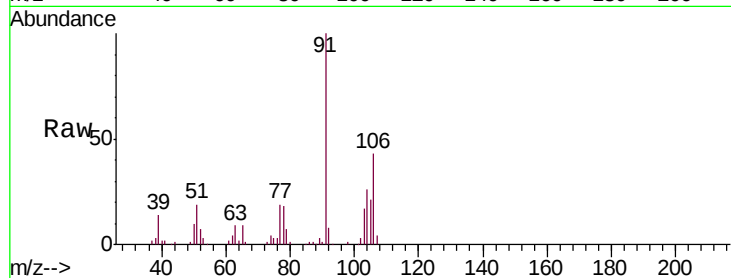
VSTD01033

Tgt Ion:106 Resp: 31998

Ion Ratio Lower Upper

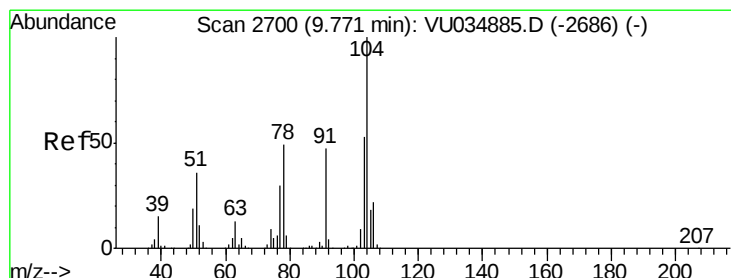
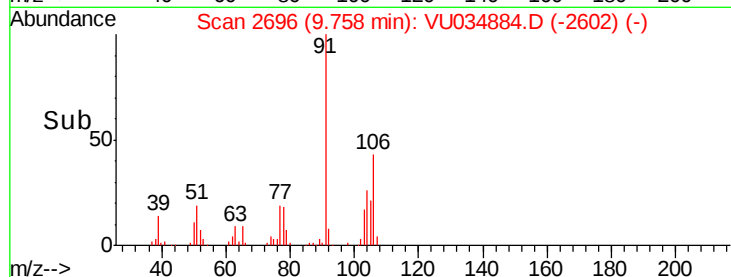
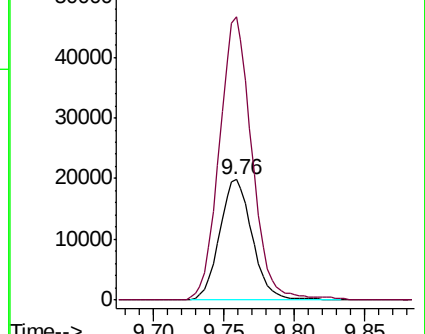
106 100

91 235.2 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 7.151 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU034884.D

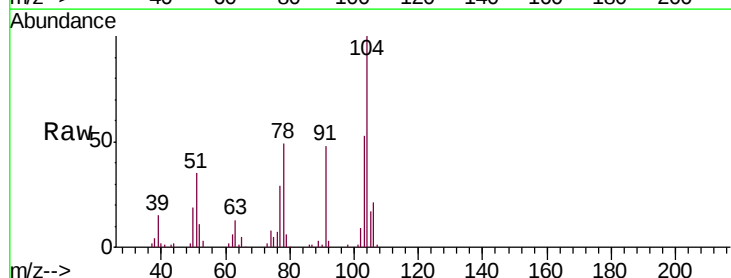
Acq: 30 Sep 2019 17:42

Tgt Ion:104 Resp: 55365

Ion Ratio Lower Upper

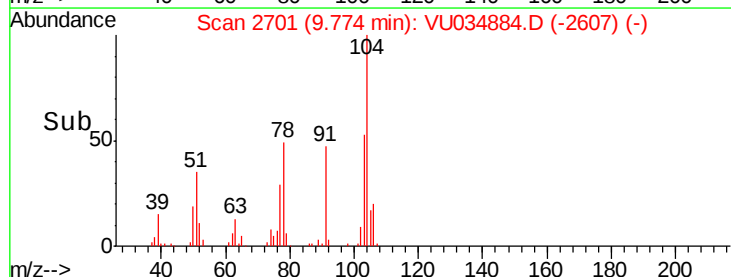
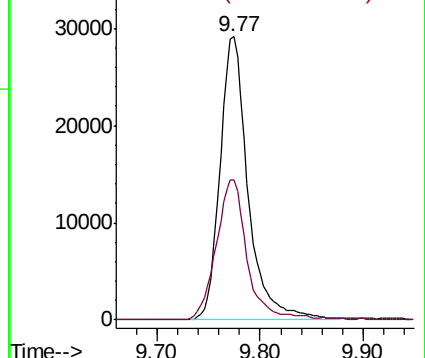
104 100

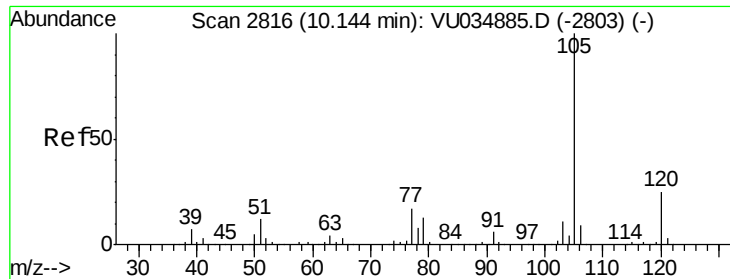
78 49.3 34.6 64.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 7.390 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

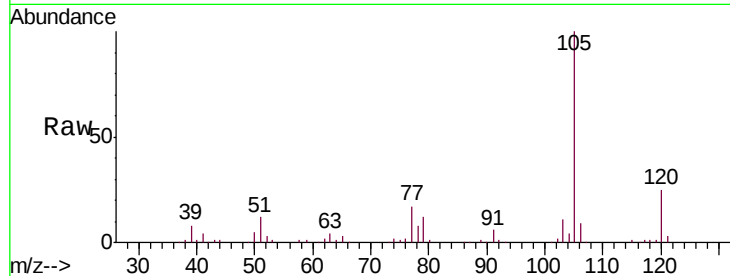
Tgt Ion: 105 Resp: 91268

Ion Ratio Lower Upper

105 100

120 24.6 20.2 30.4

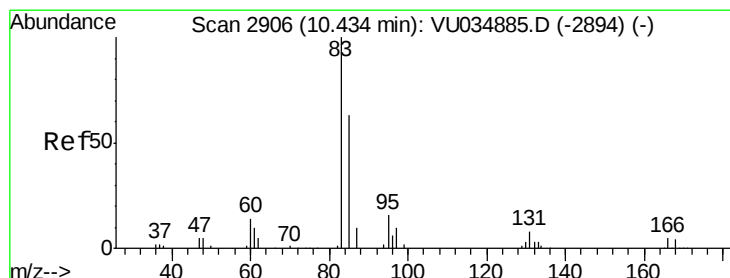
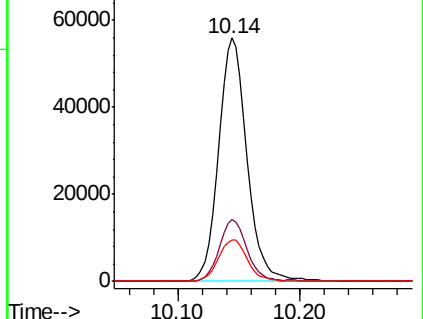
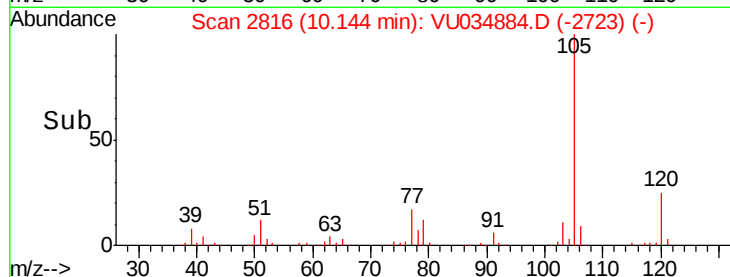
77 17.5 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 8.464 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

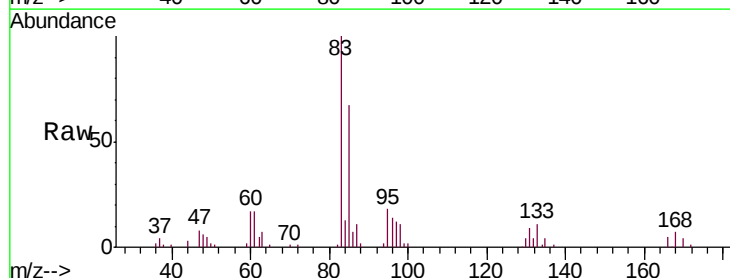
Tgt Ion: 83 Resp: 42955

Ion Ratio Lower Upper

83 100

85 67.3 44.6 82.8

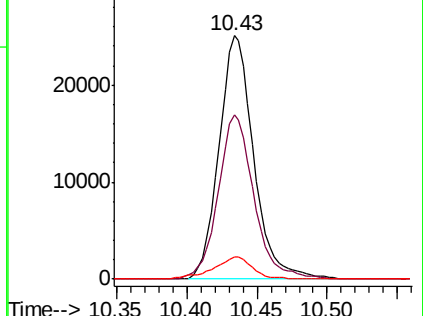
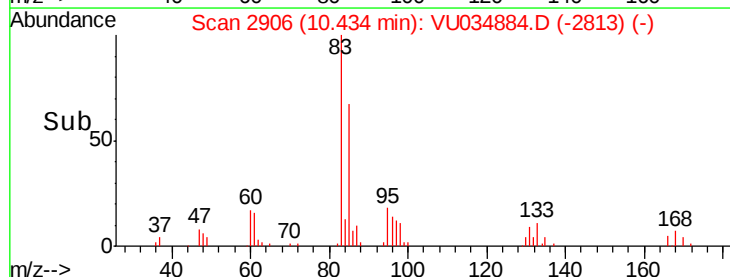
131 8.9 6.8 10.2

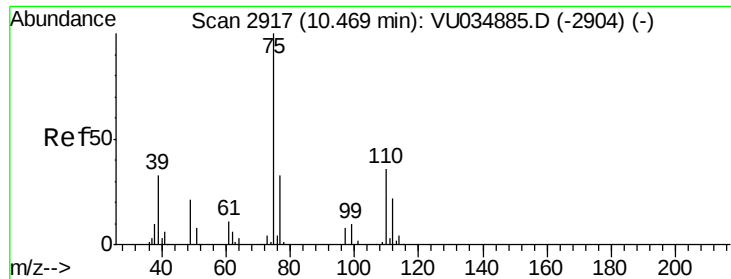


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 8.949 ug/L

RT: 10.47 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

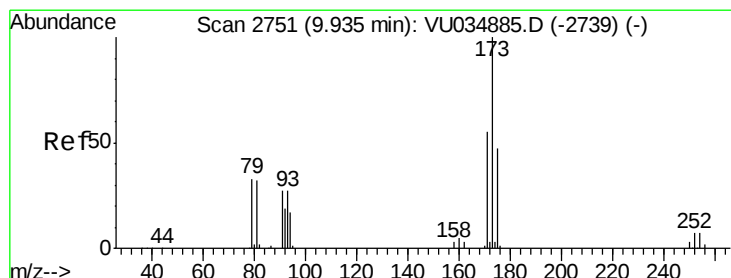
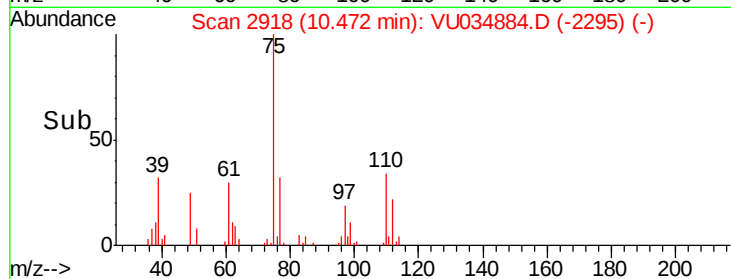
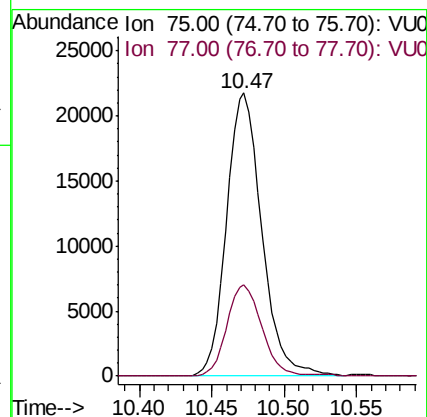
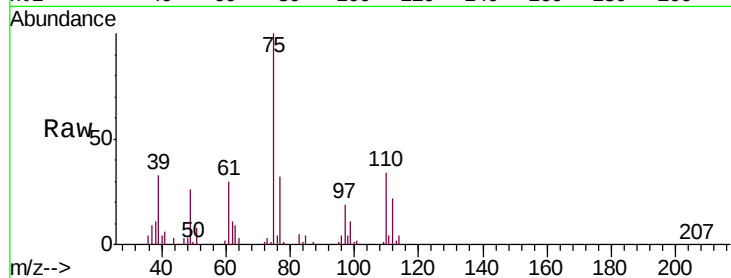
VSTD01033

Tgt Ion: 75 Resp: 36782

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#61

Bromoform

Concen: 7.981 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

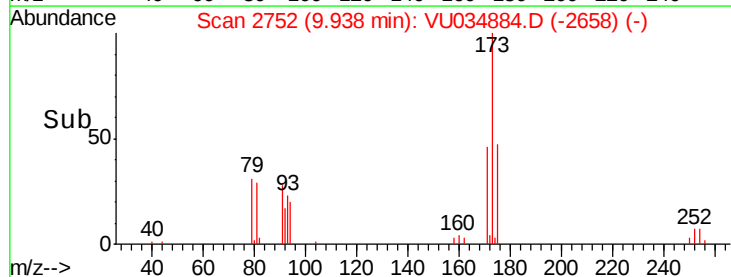
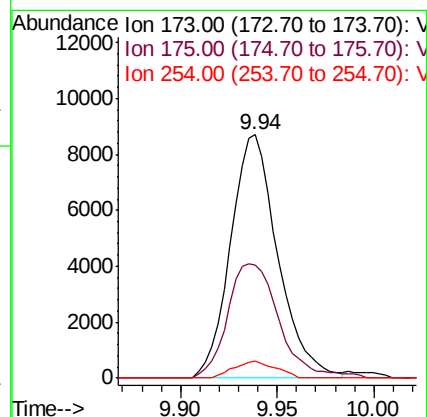
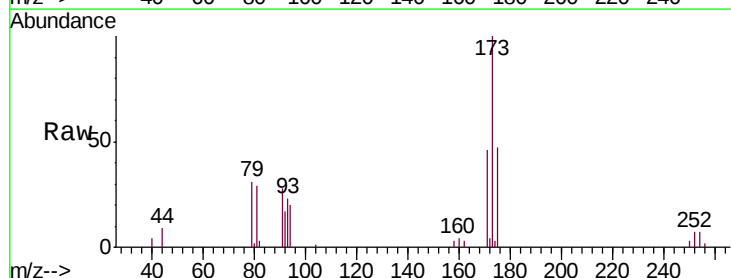
Tgt Ion: 173 Resp: 14759

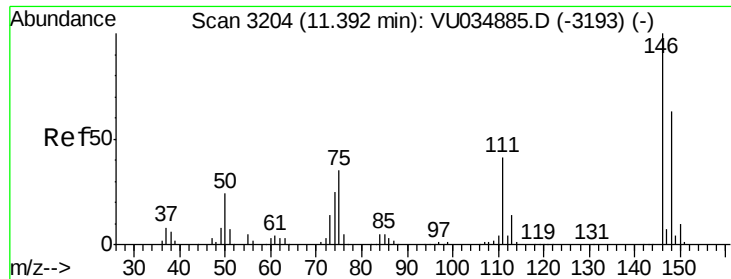
Ion Ratio Lower Upper

173 100

175 51.4 37.7 56.5

254 6.3 5.5 8.3

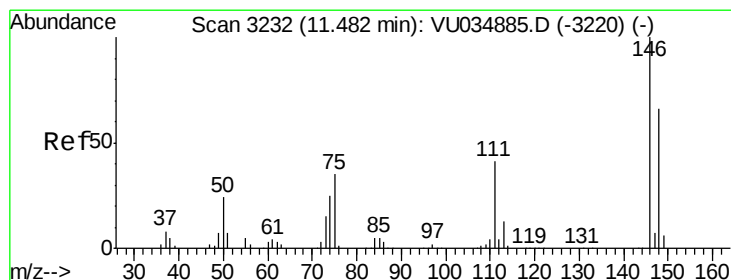
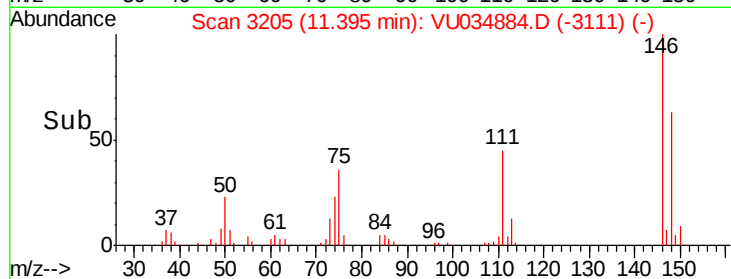
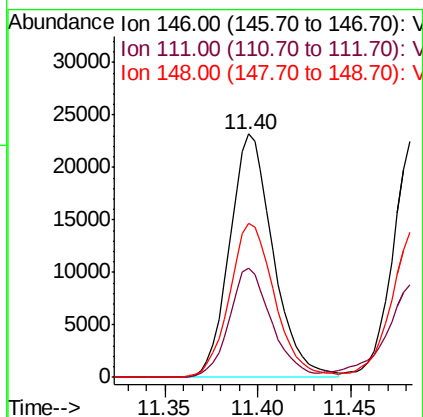
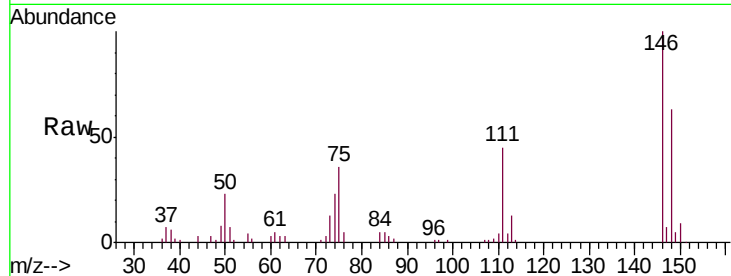




#62
 1,3-Dichlorobenzene
 Concen: 8.141 ug/L
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

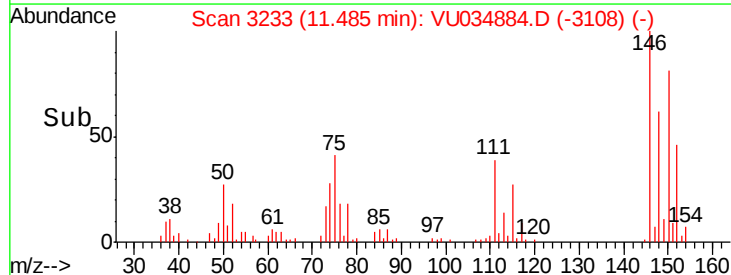
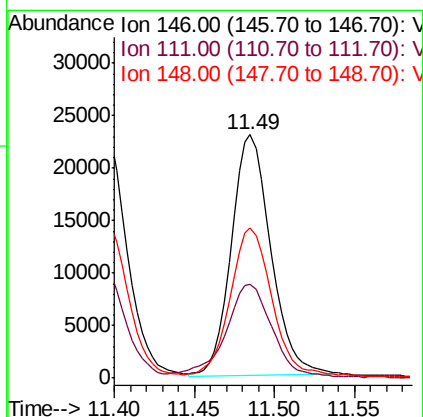
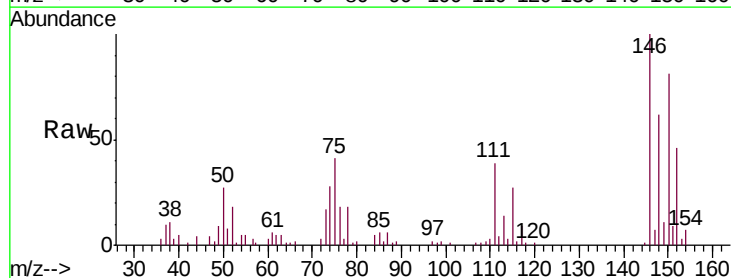
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

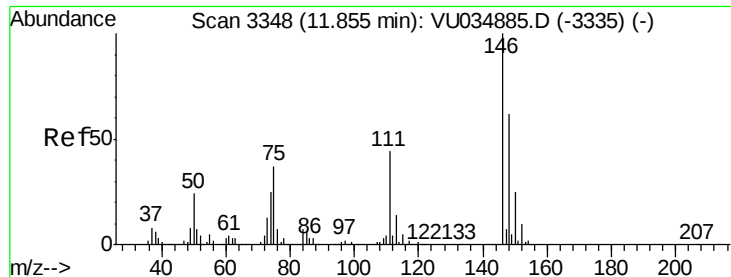
Tgt Ion:146 Resp: 37759
 Ion Ratio Lower Upper
 146 100
 111 45.1 28.9 53.7
 148 63.2 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 8.115 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

Tgt Ion:146 Resp: 38277
 Ion Ratio Lower Upper
 146 100
 111 38.7 29.2 54.2
 148 61.6 46.1 85.5





#65

1,2-Dichlorobenzene

Concen: 8.937 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

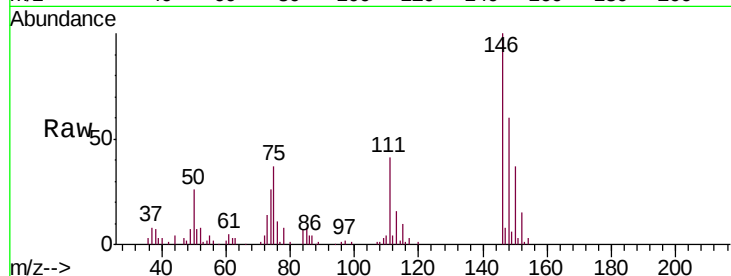
Tgt Ion:146 Resp: 42344

Ion Ratio Lower Upper

146 100

111 40.7 34.9 52.3

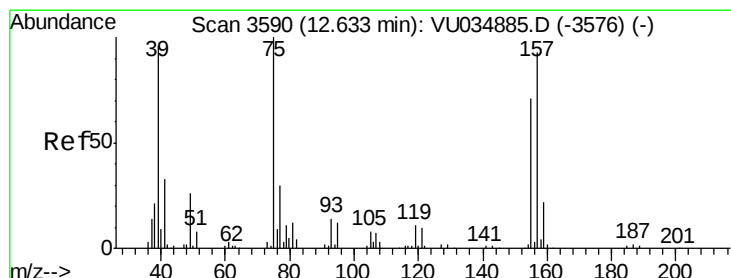
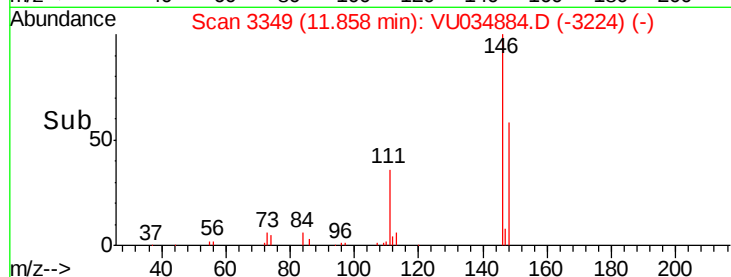
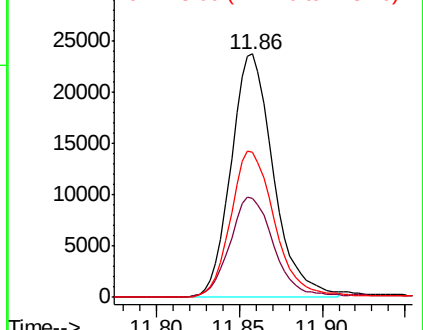
148 59.6 50.0 75.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 7.821 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. 0.01 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

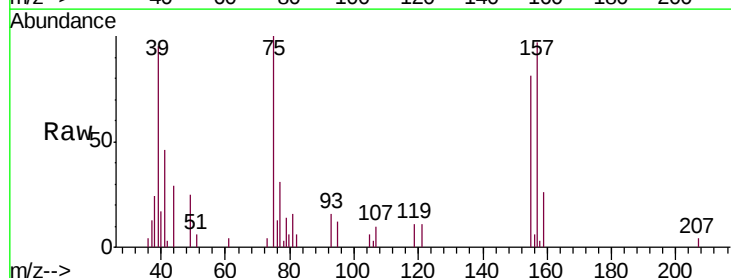
Tgt Ion: 75 Resp: 7879

Ion Ratio Lower Upper

75 100

155 81.4 57.0 85.6

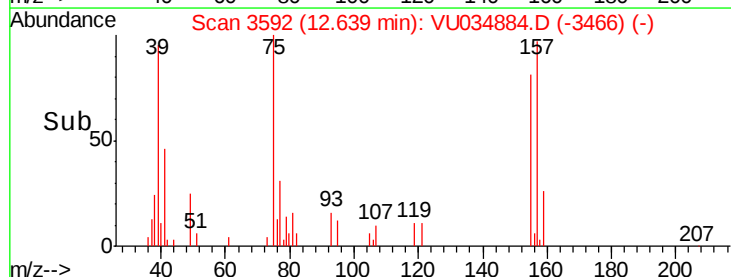
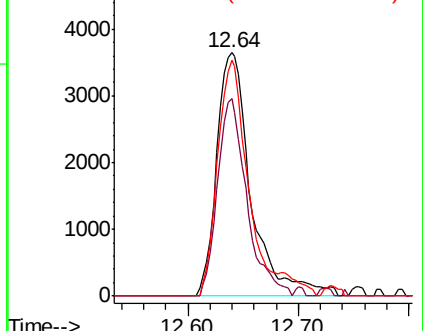
157 96.9 74.2 111.4

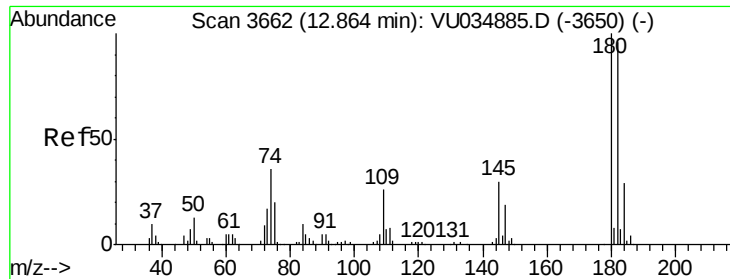


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

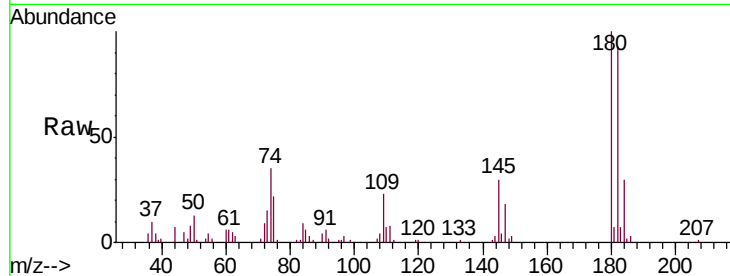




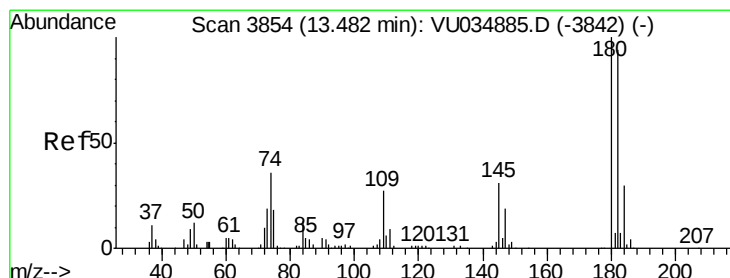
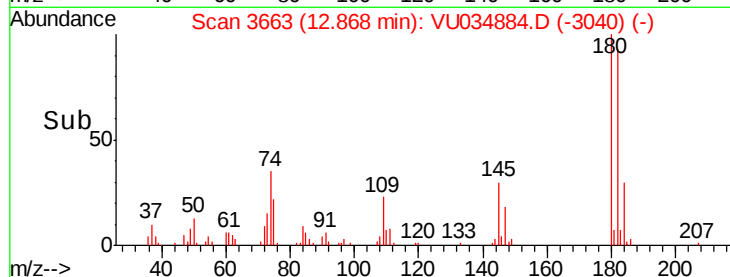
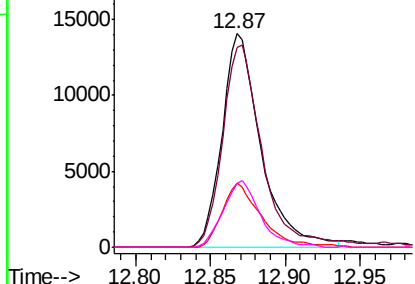
#67
 1,3,5-Trichlorobenzene
 Concen: 8.093 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion:180 Resp: 25507
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.2 114.2
 184 29.0 23.8 35.6
 145 29.9 23.8 35.6

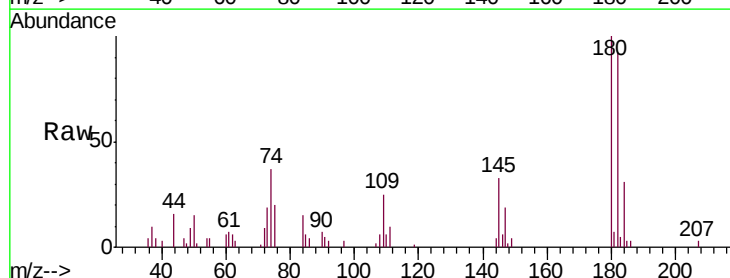


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

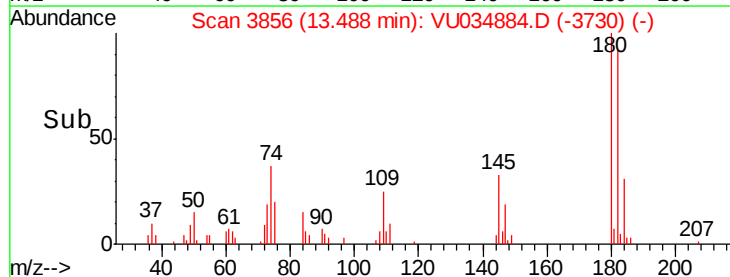
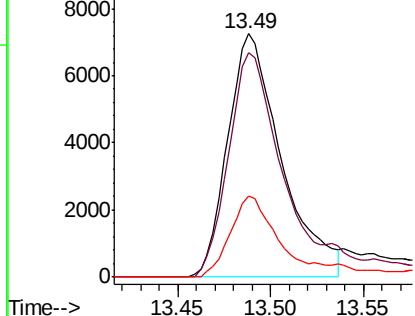


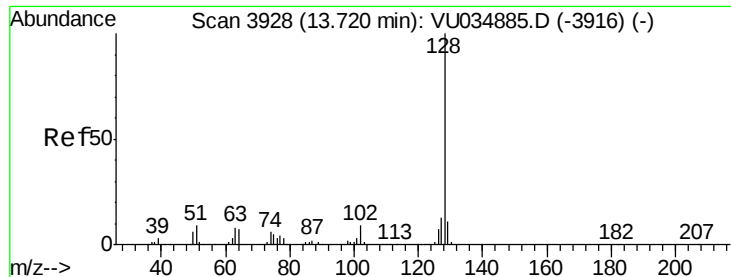
#68
 1,2,4-trichlorobenzene
 Concen: 5.916 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.01 min
 Lab File: VU034884.D
 Acq: 30 Sep 2019 17:42

Tgt Ion:180 Resp: 14574
 Ion Ratio Lower Upper
 180 100
 182 87.9 73.4 110.2
 145 28.1 24.4 36.6



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





#69

Naphthalene

Concen: 4.852 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.01 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

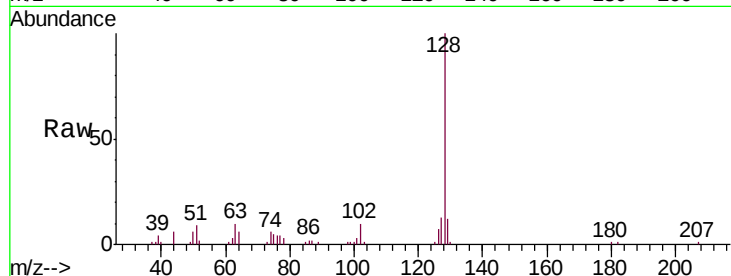
Tgt Ion:128 Resp: 41231

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

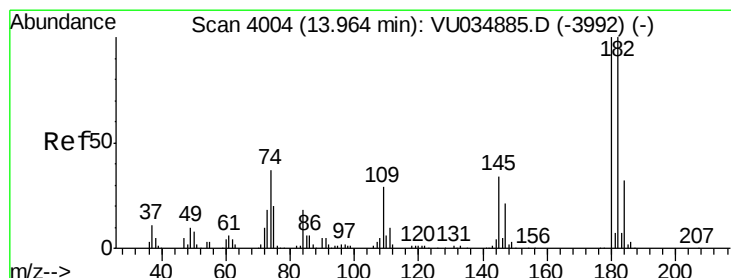
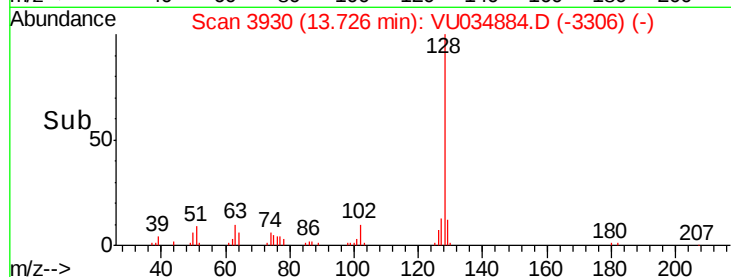
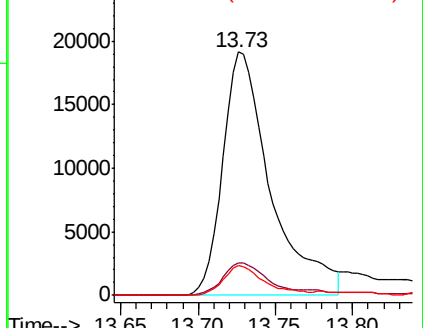
129 10.4 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 7.104 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.01 min

Lab File: VU034884.D

Acq: 30 Sep 2019 17:42

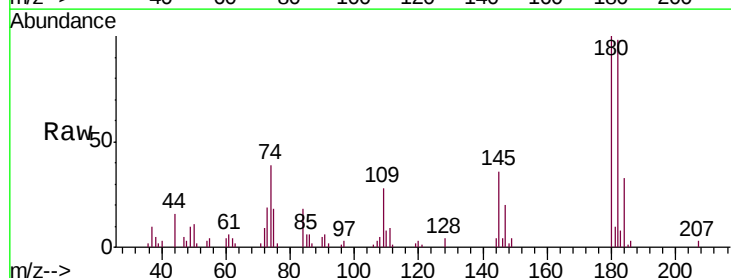
Tgt Ion:180 Resp: 18225

Ion Ratio Lower Upper

180 100

182 95.3 77.7 116.5

145 33.3 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

