

Data File : VU034832.D
Acq On : 26 Sep 2019 02:59
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Quant Time: Sep 26 07:04:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	415265	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	398354	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	197728	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	183007	43.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.10%
7) Chloroethane-d5	1.67	69	162612	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.98%
11) 1,1-Dichloroethene-d2	2.26	63	341643	47.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.92%
21) 2-Butanone-d5	4.15	46	389516	119.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.55%
24) Chloroform-d	4.62	84	341320	55.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.46%
26) 1,2-Dichloroethane-d4	5.28	65	223983	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.60%
32) Benzene-d6	5.32	84	686024	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.12%
36) 1,2-Dichloropropane-d6	6.31	67	240379	55.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.40%
41) Toluene-d8	7.54	98	664396	56.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.12%
43) trans-1,3-Dichloropropene-	7.83	79	106856	51.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.40%
47) 2-Hexanone-d5	8.29	63	266356	122.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.88%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	340052	56.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.58%
64) 1,2-Dichlorobenzene-d4	11.84	152	239237	57.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	214575	50.134 ug/L	98
3) Chloromethane	1.32	50	273058	53.261 ug/L	100
5) Vinyl chloride	1.40	62	253360	54.108 ug/L	100
6) Bromomethane	1.62	94	138118	54.008 ug/L	95
8) Chloroethane	1.69	64	154046	57.146 ug/L	96
9) Trichlorofluoromethane	1.87	101	313712	53.135 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	154034	54.413 ug/L	96
12) 1,1-Dichloroethene	2.27	96	155453	57.217 ug/L	78
13) Acetone	2.31	43	261018	68.868 ug/L	96
14) Carbon disulfide	2.46	76	482721	52.657 ug/L	100
15) Methyl Acetate	2.60	43	291135	57.505 ug/L	99
16) Methylene chloride	2.68	84	203833	59.227 ug/L	93
17) trans-1,2-Dichloroethene	2.96	96	170779	57.492 ug/L	89
18) Methyl tert-butyl Ether	2.98	73	615524	55.853 ug/L	96
19) 1,1-Dichloroethane	3.42	63	362993	53.268 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	207484	59.737 ug/L	89
22) 2-Butanone	4.23	43	422512	93.704 ug/L	95

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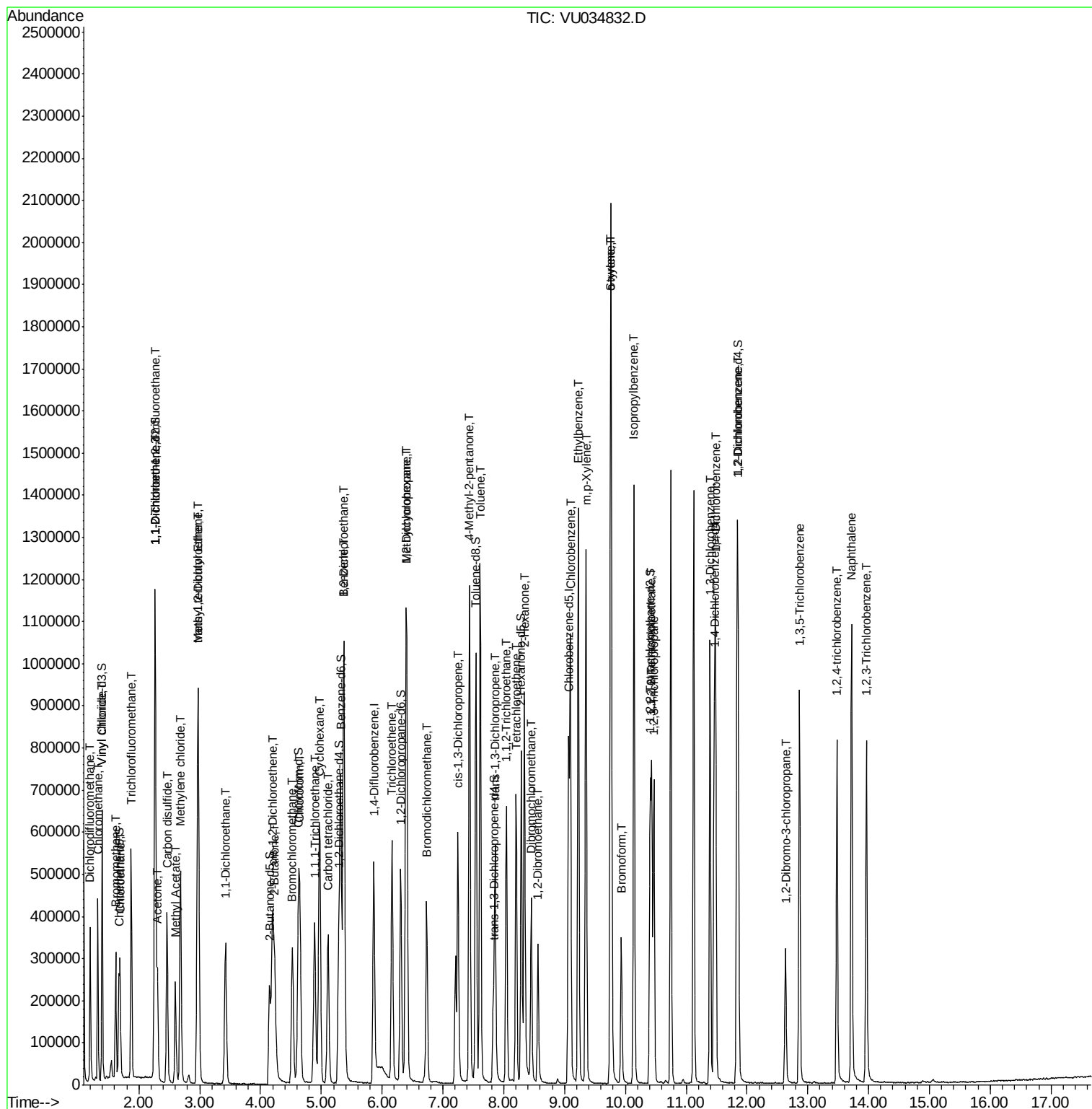
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	98321	59.142	ug/L	89
25) Chloroform	4.65	83	344776	51.380	ug/L	99
27) 1,2-Dichloroethane	5.38	62	288395	49.752	ug/L #	94
29) Cyclohexane	4.97	56	336405	51.164	ug/L	95
30) 1,1,1-Trichloroethane	4.89	97	283539	52.297	ug/L	97
31) Carbon tetrachloride	5.11	117	240586	52.066	ug/L	97
33) Benzene	5.37	78	786955	56.960	ug/L	100
34) Trichloroethene	6.16	95	193040	56.575	ug/L	95
35) Methylcyclohexane	6.39	83	303969	52.496	ug/L	95
37) 1,2-Dichloropropane	6.41	63	232599	56.540	ug/L	100
38) Bromodichloromethane	6.73	83	268305	53.780	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	331111	53.567	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	845125	107.604	ug/L	95
42) Toluene	7.61	91	864441	57.895	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	293594	52.687	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	192695	58.477	ug/L	96
46) Tetrachloroethene	8.21	164	140343	58.474	ug/L	96
48) 2-Hexanone	8.34	43	622287	101.446	ug/L	94
49) Dibromochloromethane	8.45	129	208363	56.728	ug/L	99
50) 1,2-Dibromoethane	8.56	107	209060	58.866	ug/L	99
51) Chlorobenzene	9.10	112	522667	57.584	ug/L	96
52) Ethylbenzene	9.23	91	930569	55.346	ug/L	97
53) m,p-Xylene	9.35	106	344536	57.853	ug/L	99
54) o-xylene	9.76	106	341530	57.981	ug/L	100
55) Styrene	9.77	104	588958	59.070	ug/L	93
56) Isopropylbenzene	10.14	105	901056	56.733	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.43	83	359711	56.835	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	279192	54.337	ug/L	99
61) Bromoform	9.94	173	146822	53.932	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	398839	58.246	ug/L	95
63) 1,4-Dichlorobenzene	11.48	146	400467	57.411	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	398719	57.629	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.63	75	78470	53.359	ug/L	85
67) 1,3,5-Trichlorobenzene	12.86	180	270370	58.930	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	232918	64.558	ug/L	98
69) Naphthalene	13.72	128	840256	67.275	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	244718	65.920	ug/L	95

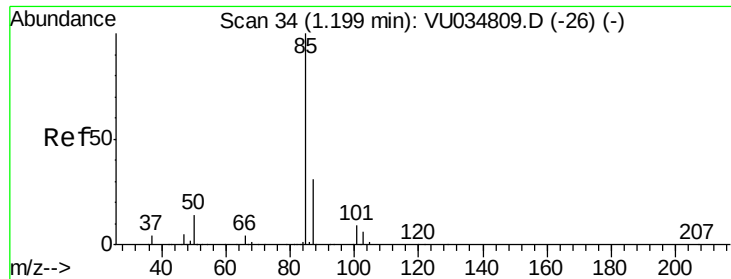
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.134 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

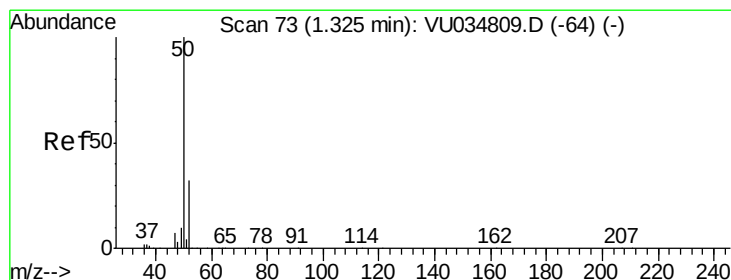
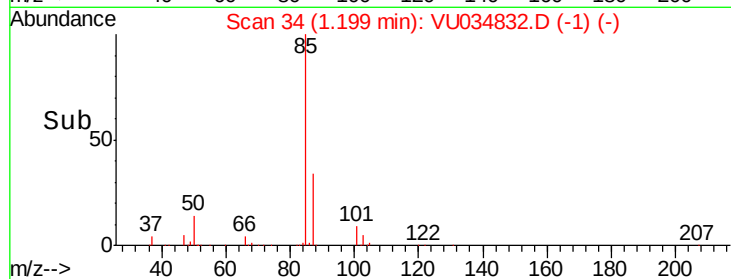
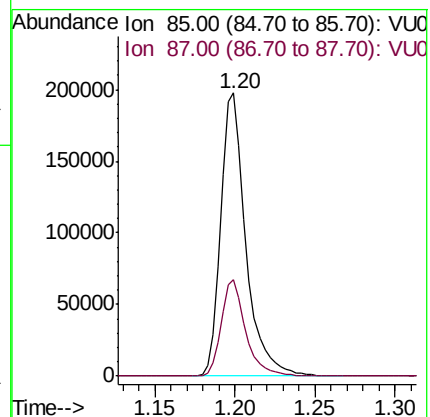
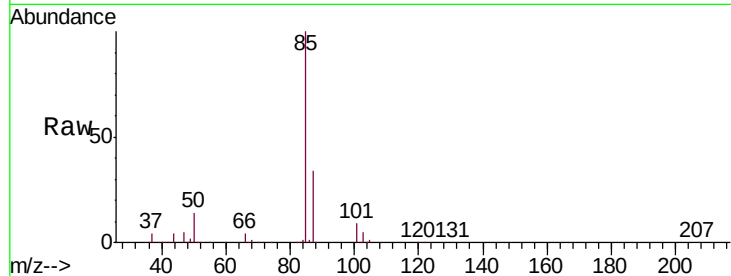
VSTD05047

Tgt Ion: 85 Resp: 214575

Ion Ratio Lower Upper

85 100

87 33.1 25.5 38.3



#3

Chloromethane

Concen: 53.261 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034832.D

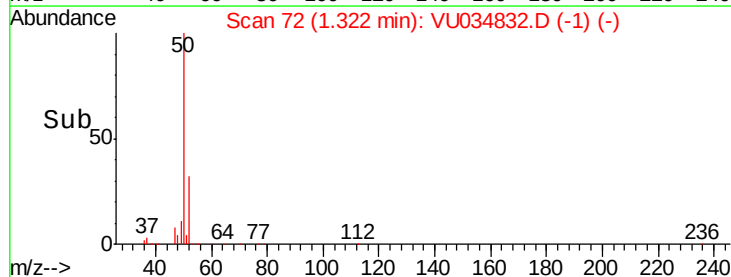
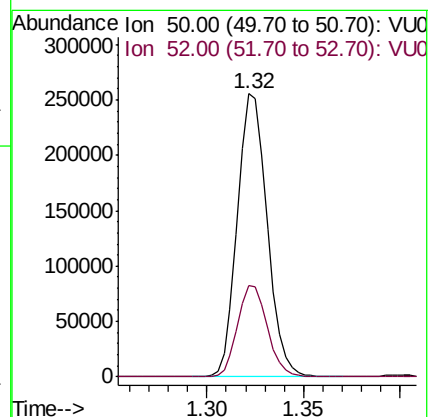
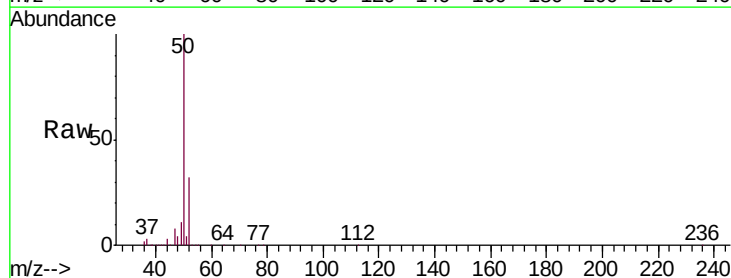
Acq: 26 Sep 2019 02:59

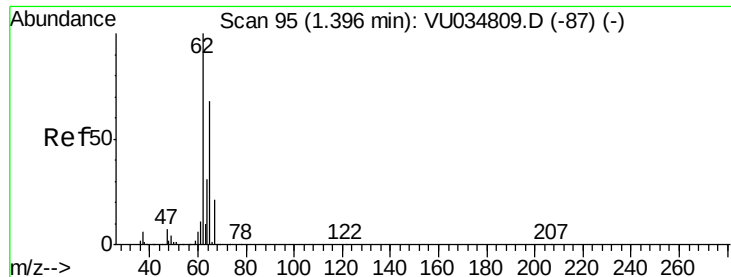
Tgt Ion: 50 Resp: 273058

Ion Ratio Lower Upper

50 100

52 32.3 22.7 42.1





#5

Vinyl chloride

Concen: 54.108 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

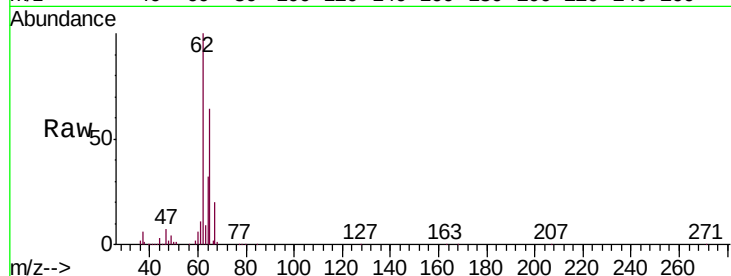
VSTD05047

Tgt Ion: 62 Resp: 253360

Ion Ratio Lower Upper

62 100

64 31.6 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU034809.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU034809.D (-87) (-)

1.40

250000

200000

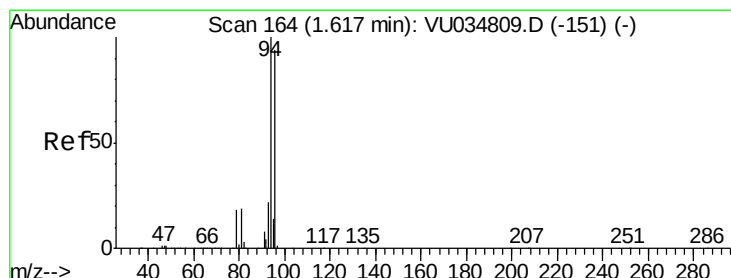
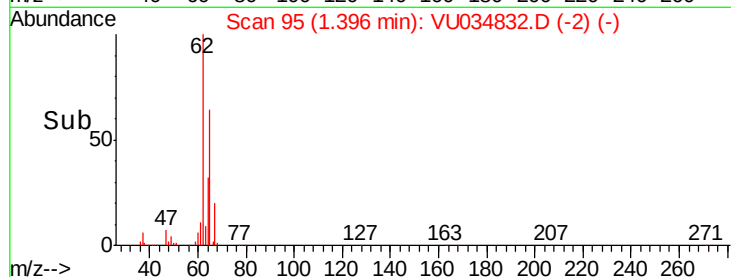
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 54.008 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU034832.D

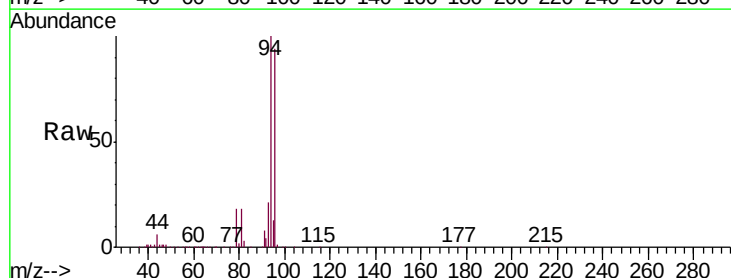
Acq: 26 Sep 2019 02:59

Tgt Ion: 94 Resp: 138118

Ion Ratio Lower Upper

94 100

96 94.3 62.8 116.6



Abundance Ion 94.00 (93.70 to 94.70): VU034809.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU034809.D (-151) (-)

1.62

120000

100000

80000

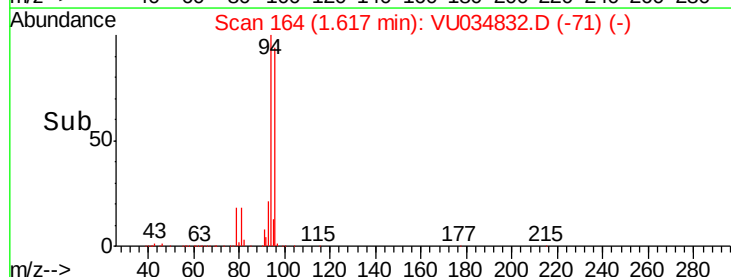
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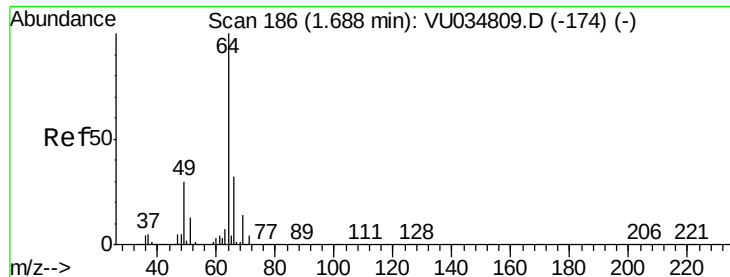
40000

20000

0

Time-->





#8

Chloroethane

Concen: 57.146 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

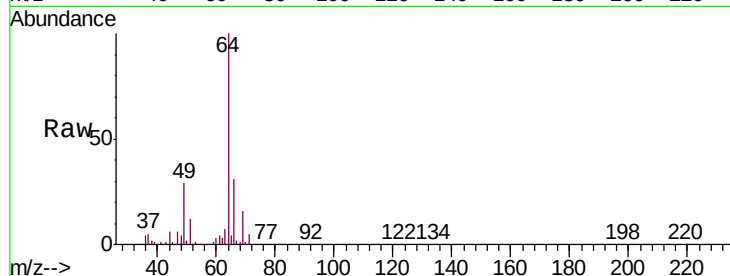
VSTD05047

Tgt Ion: 64 Resp: 154046

Ion Ratio Lower Upper

64 100

66 30.7 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VU034832.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU034832.D (-174) (-)

1.69

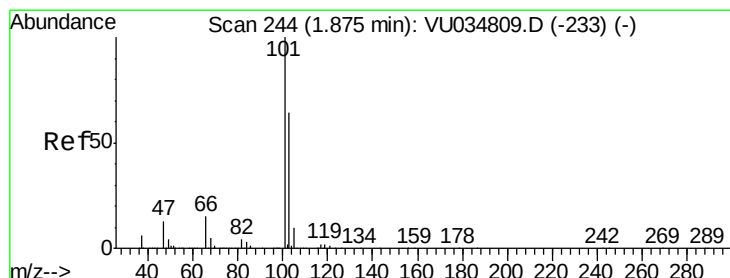
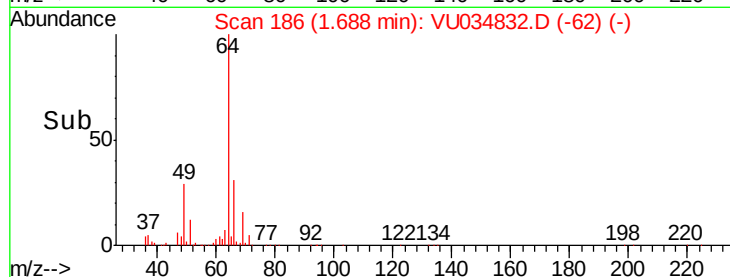
100000

50000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 53.135 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034832.D

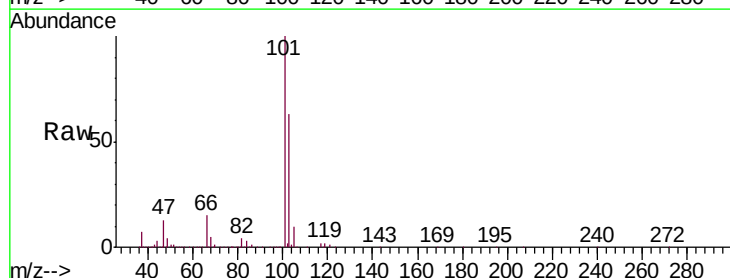
Acq: 26 Sep 2019 02:59

Tgt Ion: 101 Resp: 313712

Ion Ratio Lower Upper

101 100

103 64.0 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU034832.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034832.D (-233) (-)

1.87

250000

200000

150000

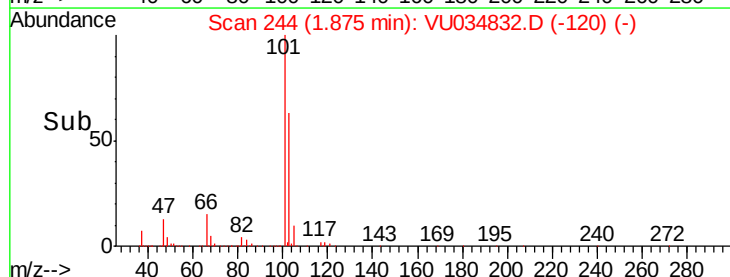
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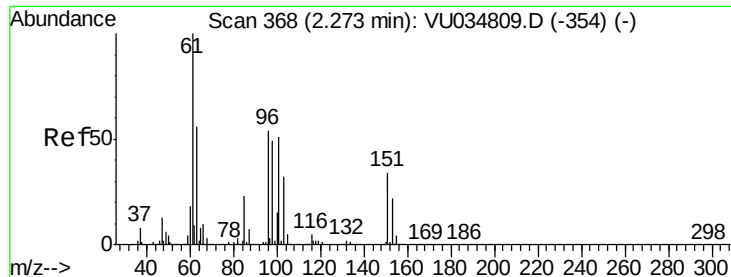
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 54.413 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034832.D

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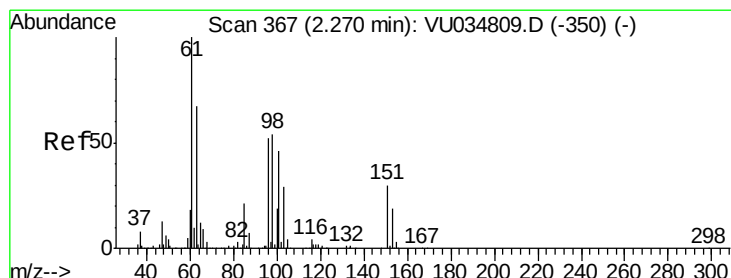
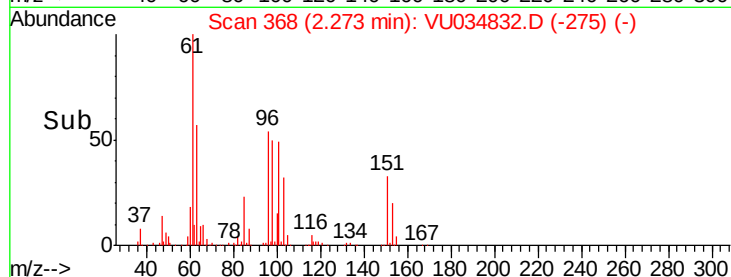
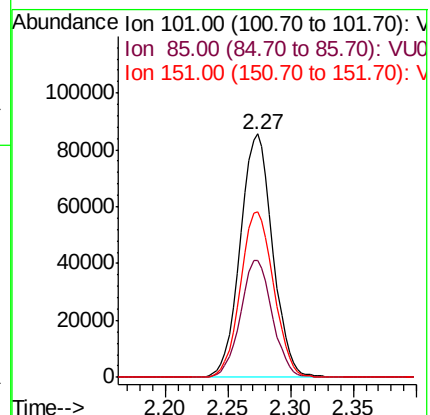
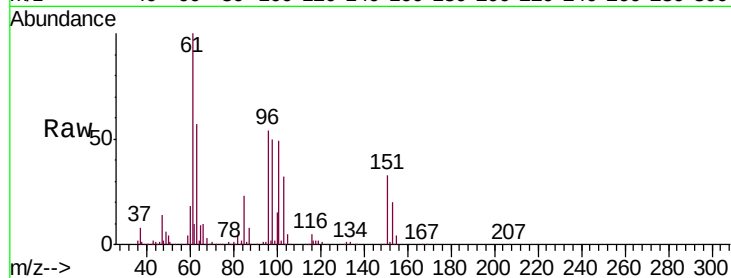
Tgt Ion: 101 Resp: 154034

Ion Ratio Lower Upper

101 100

85 47.0 39.0 58.4

151 69.6 52.8 79.2



#12

1,1-Dichloroethene

Concen: 57.217 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

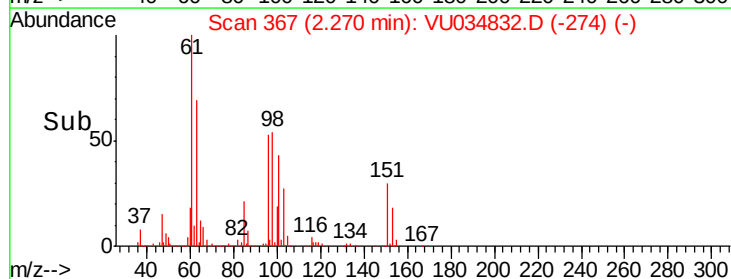
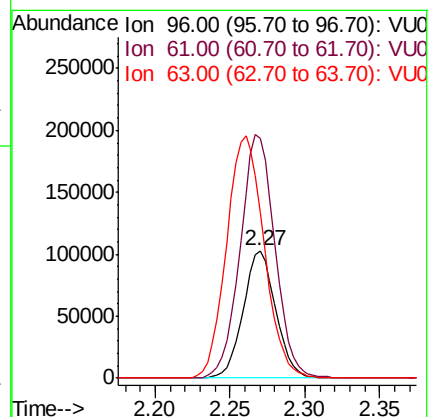
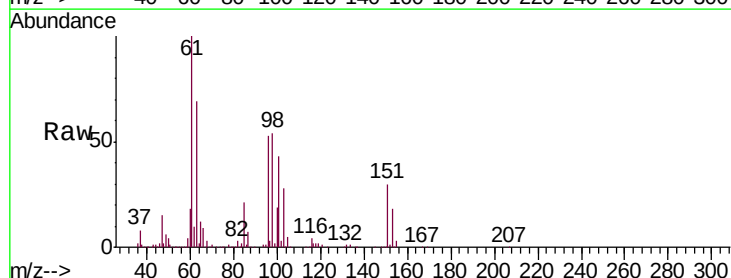
Tgt Ion: 96 Resp: 155453

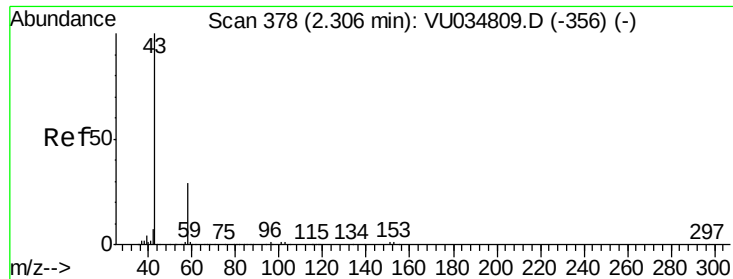
Ion Ratio Lower Upper

96 100

61 188.1 153.2 284.4

63 129.2 113.8 211.3





#13

Acetone

Concen: 68.868 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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ClientSampleId :

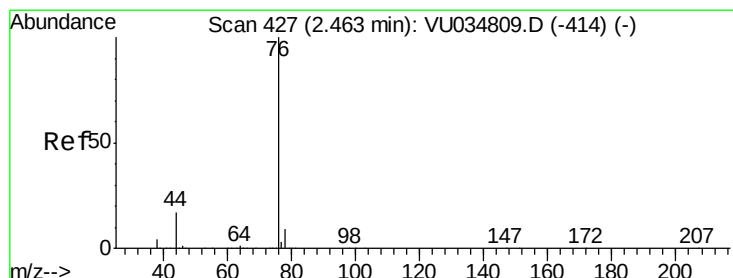
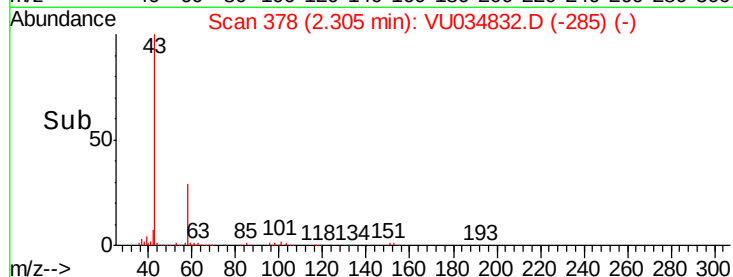
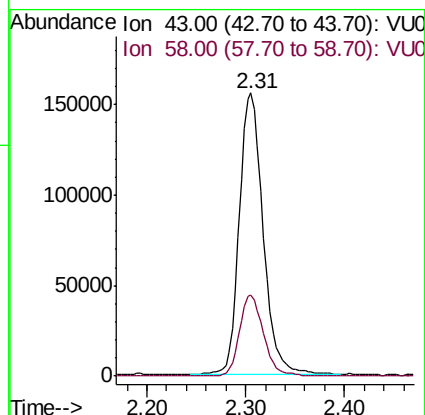
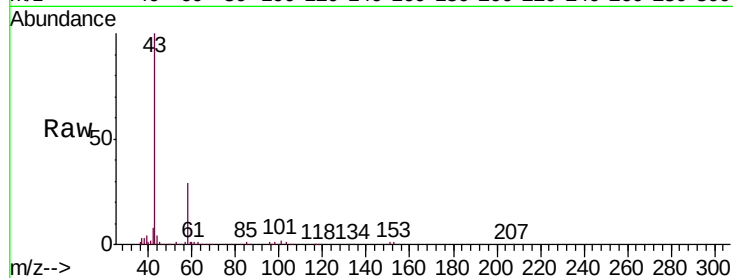
VSTD05047

Tgt Ion: 43 Resp: 261018

Ion Ratio Lower Upper

43 100

58 28.8 0.0 53.4



#14

Carbon disulfide

Concen: 52.657 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034832.D

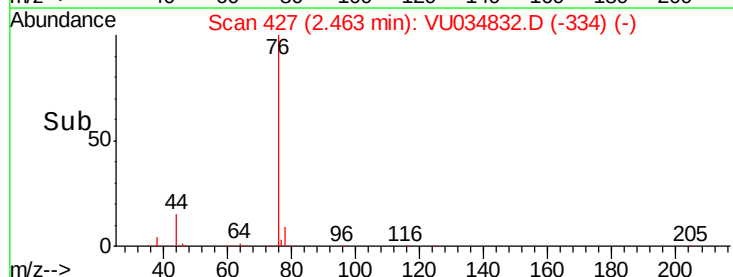
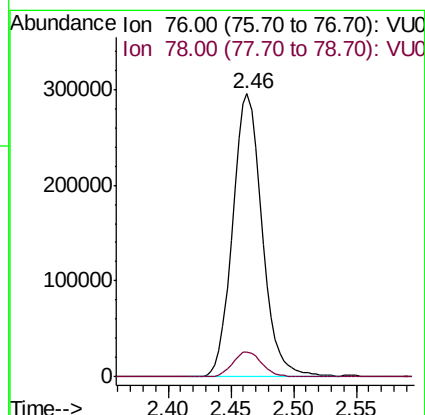
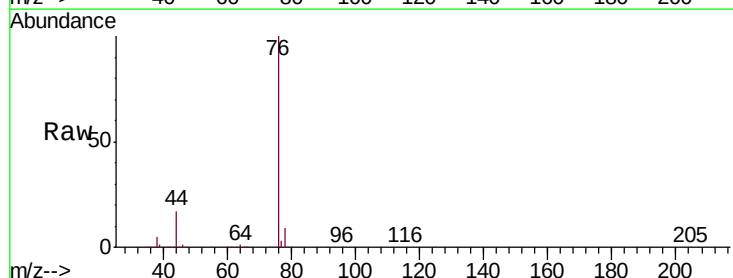
Acq: 26 Sep 2019 02:59

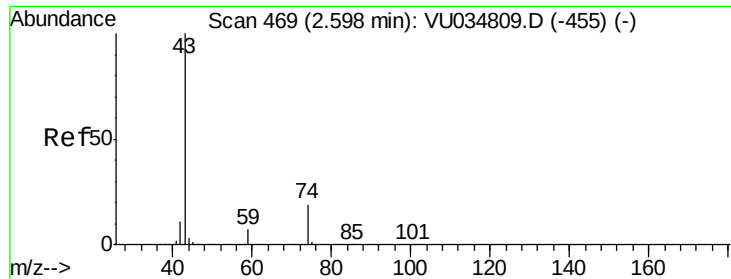
Tgt Ion: 76 Resp: 482721

Ion Ratio Lower Upper

76 100

78 8.8 6.9 10.3

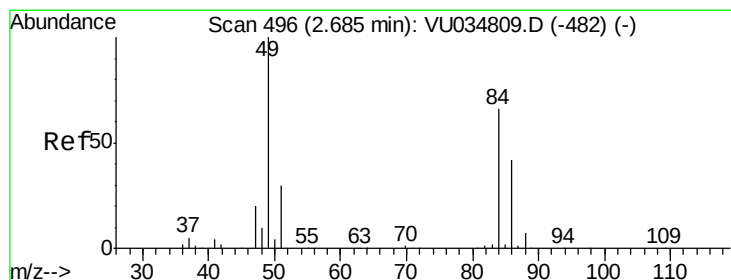
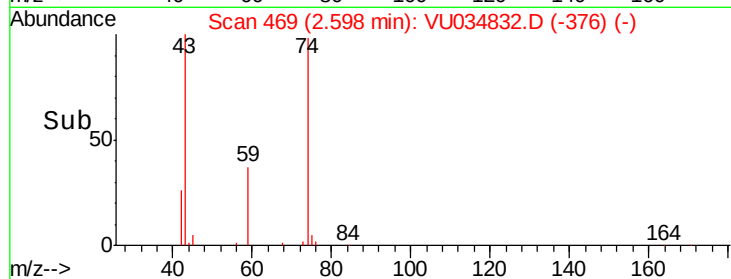
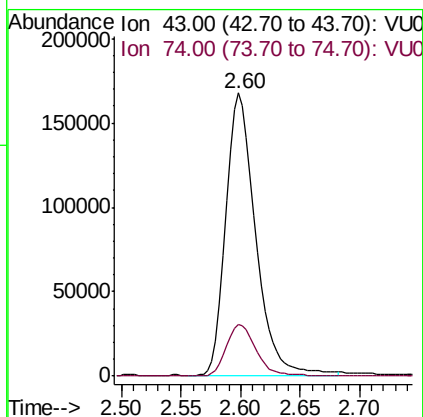
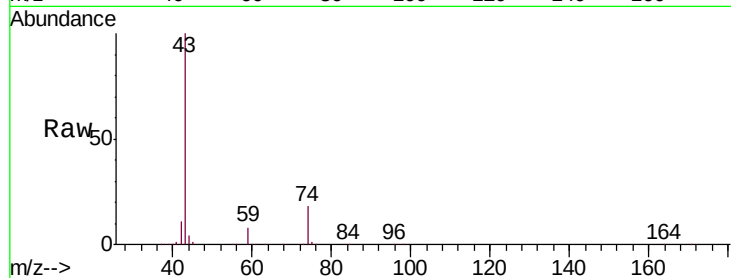




#15
Methyl Acetate
Concen: 57.505 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU034832.D
Acq: 26 Sep 2019 02:59

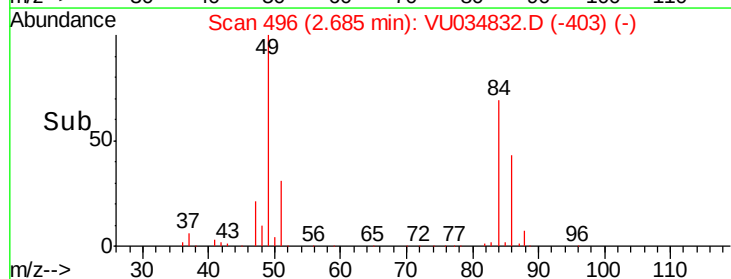
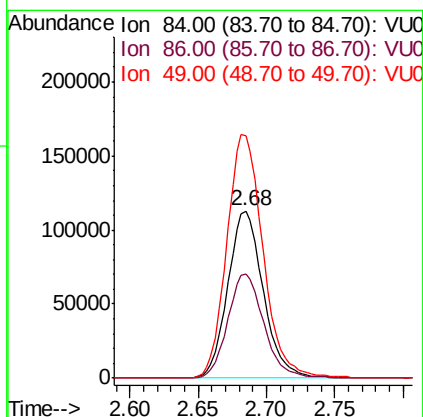
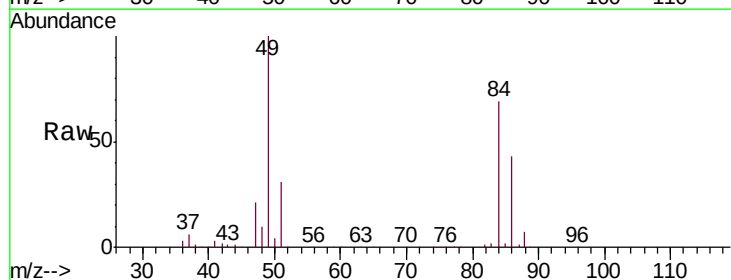
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

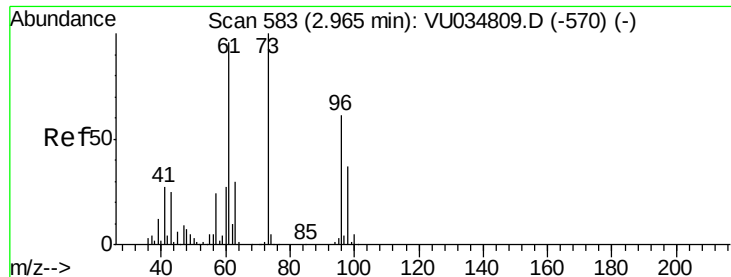
Tgt Ion: 43 Resp: 291135
Ion Ratio Lower Upper
43 100
74 18.4 14.4 21.6



#16
Methylene chloride
Concen: 59.227 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034832.D
Acq: 26 Sep 2019 02:59

Tgt Ion: 84 Resp: 203833
Ion Ratio Lower Upper
84 100
86 62.6 43.0 80.0
49 144.9 109.7 203.7





#17

trans-1,2-Dichloroethene

Concen: 57.492 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

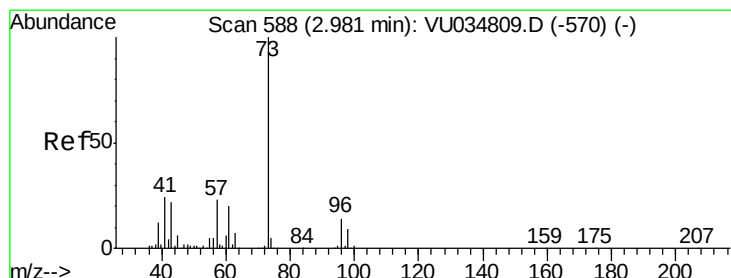
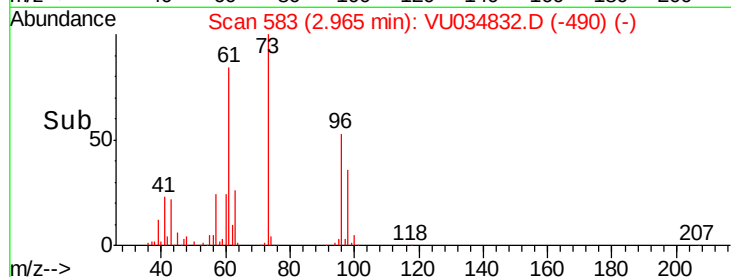
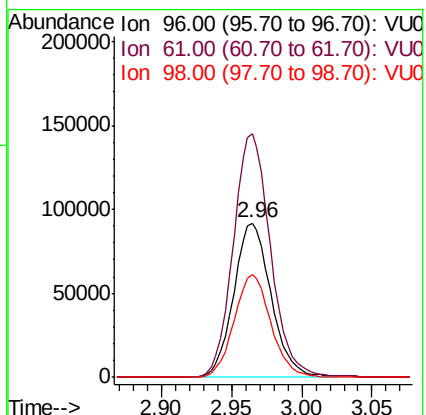
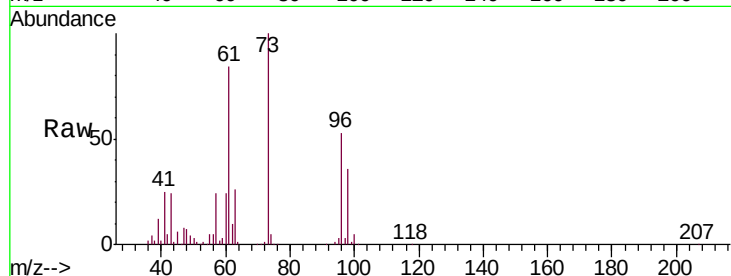
Tgt Ion: 96 Resp: 170779

Ion Ratio Lower Upper

96 100

61 157.4 124.0 230.4

98 66.7 46.1 85.7



#18

Methyl tert-butyl Ether

Concen: 55.853 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

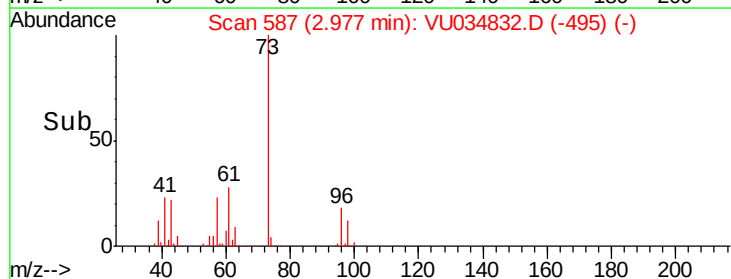
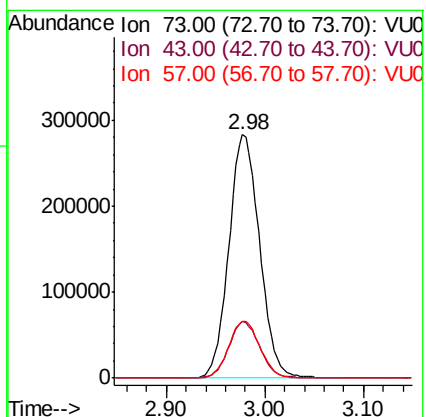
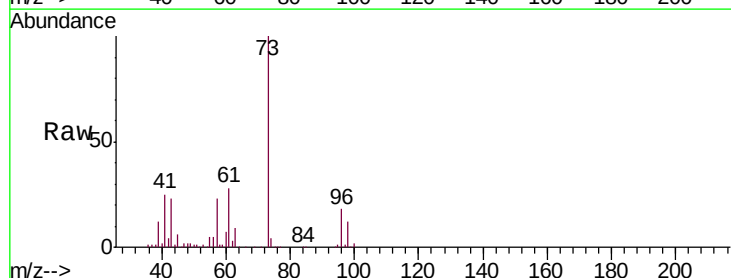
Tgt Ion: 73 Resp: 615524

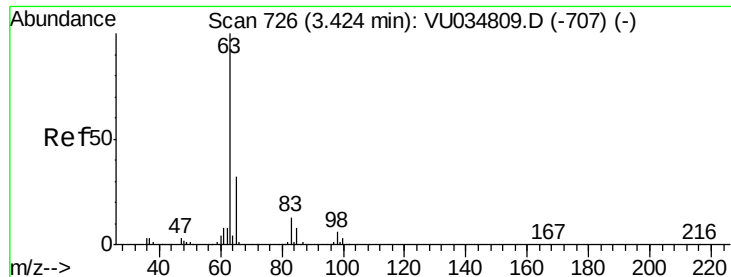
Ion Ratio Lower Upper

73 100

43 22.9 20.9 31.3

57 23.9 19.5 29.3





#19

1,1-Dichloroethane

Concen: 53.268 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

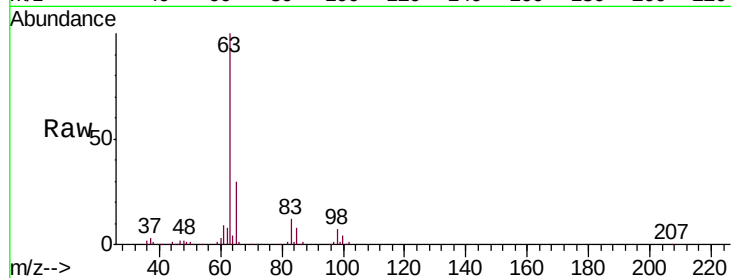
Tgt Ion: 63 Resp: 362993

Ion Ratio Lower Upper

63 100

65 29.9 22.0 40.8

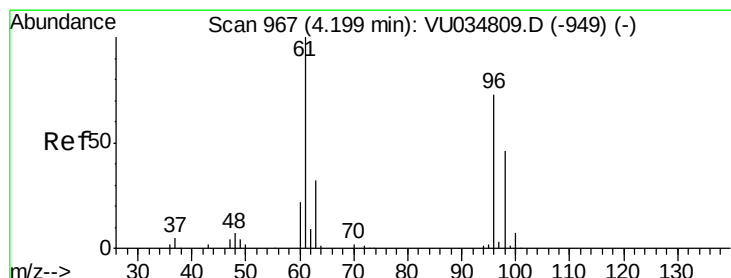
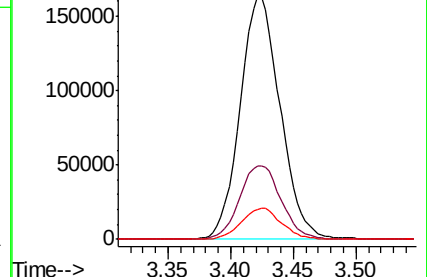
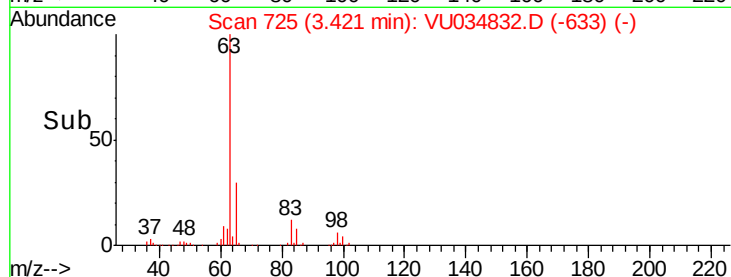
83 12.4 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VU034832.D (-633) (-)

Ion 65.00 (64.70 to 65.70): VU034832.D (-633) (-)

Ion 83.00 (82.70 to 83.70): VU034832.D (-633) (-)



#20

cis-1,2-Dichloroethene

Concen: 59.737 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

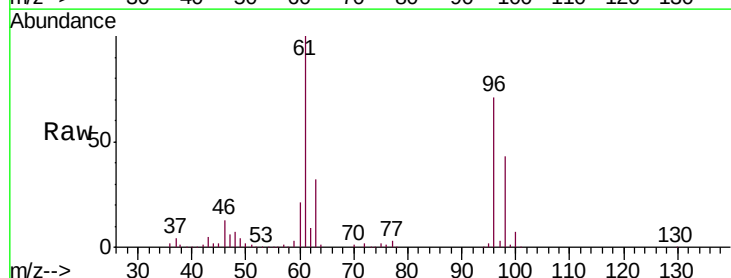
Tgt Ion: 96 Resp: 207484

Ion Ratio Lower Upper

96 100

61 141.1 108.8 202.2

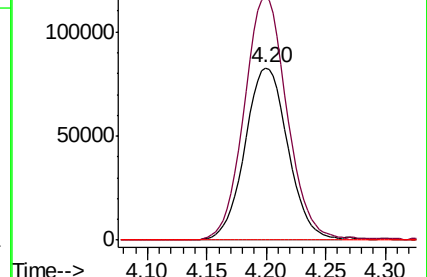
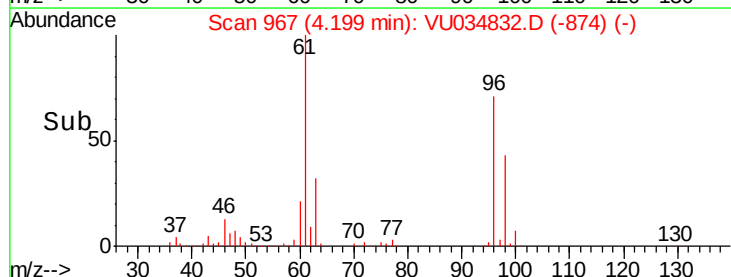
68 0.0 0.0 0.0

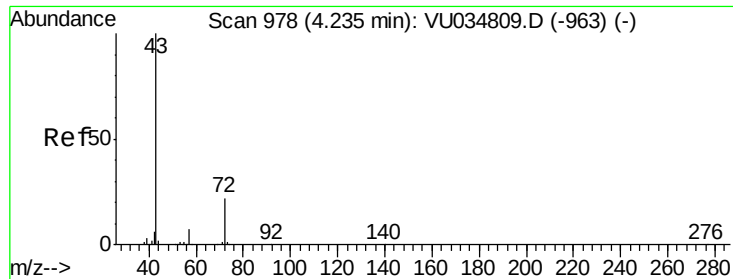


Abundance Ion 96.00 (95.70 to 96.70): VU034832.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU034832.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU034832.D (-874) (-)





#22

2-Butanone

Concen: 93.704 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

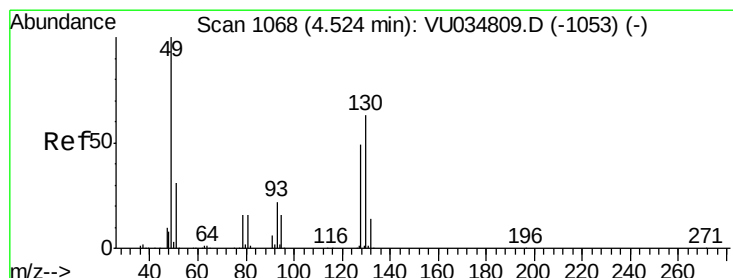
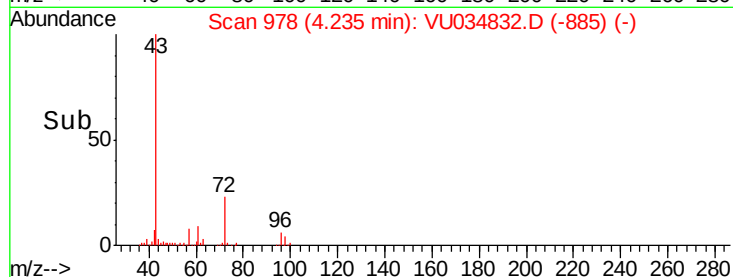
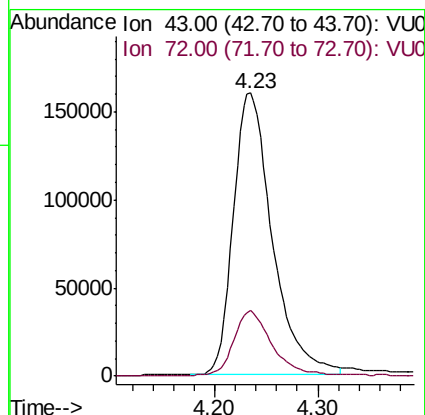
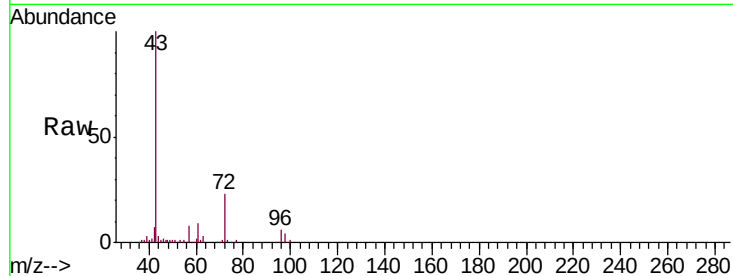
VSTD05047

Tgt Ion: 43 Resp: 422512

Ion Ratio Lower Upper

43 100

72 22.9 10.2 30.6



#23

Bromochloromethane

Concen: 59.142 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Tgt Ion: 128 Resp: 98321

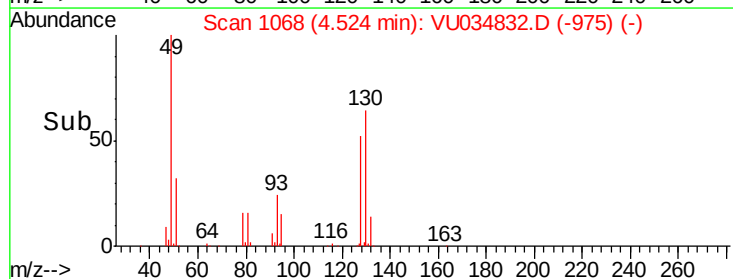
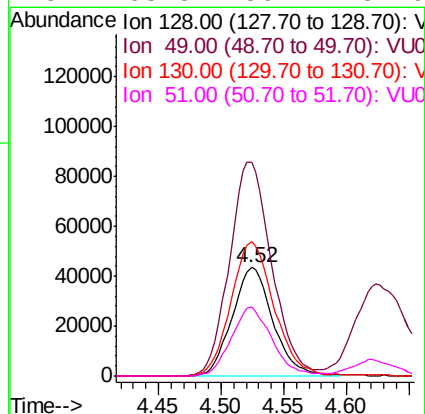
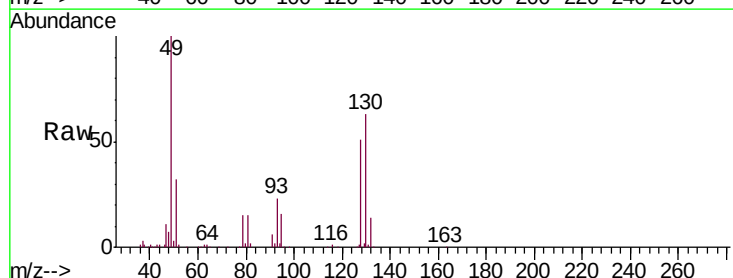
Ion Ratio Lower Upper

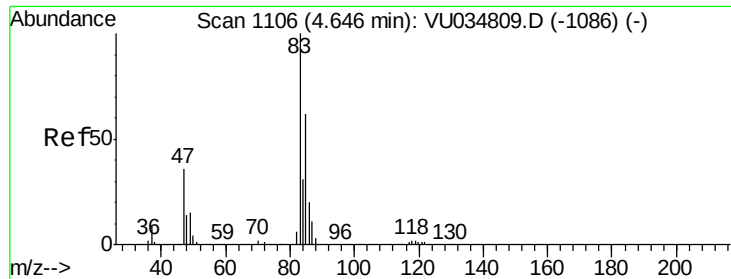
128 100

49 196.8 154.3 286.7

130 123.5 83.0 154.2

51 63.3 56.4 84.6

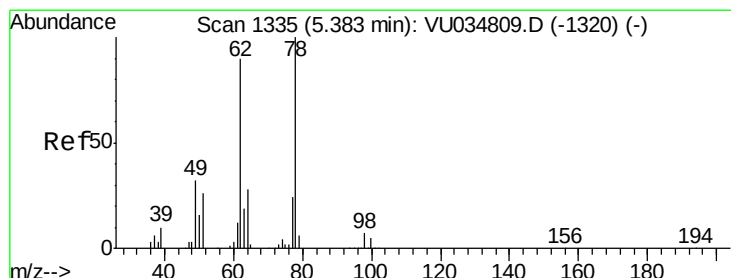
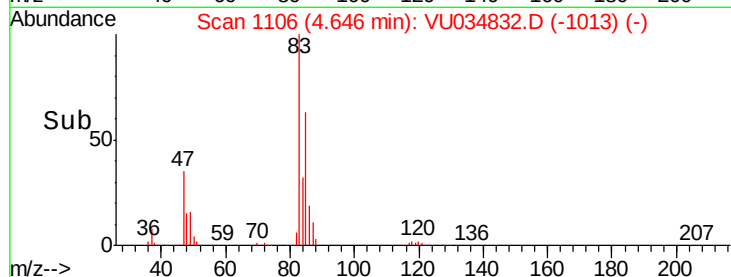
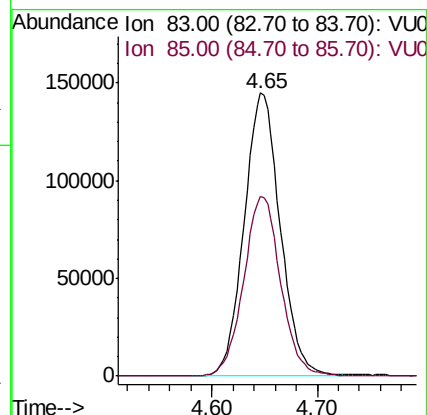
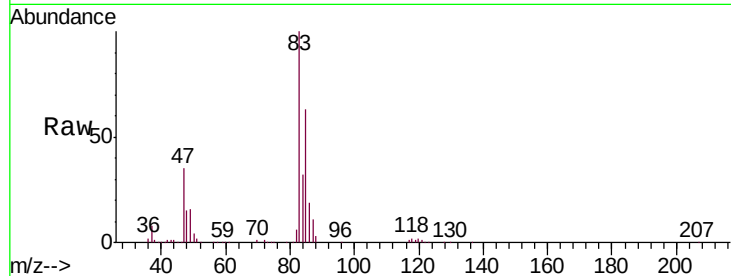




#25
Chloroform
Concen: 51.380 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034832.D
Acq: 26 Sep 2019 02:59

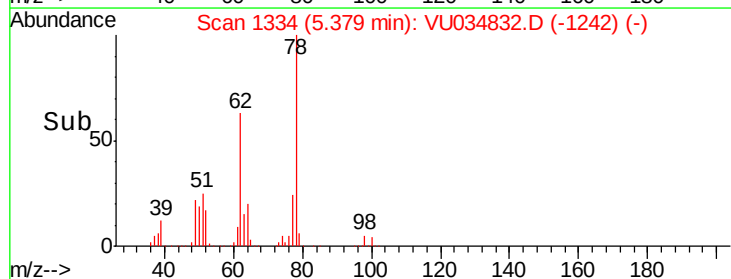
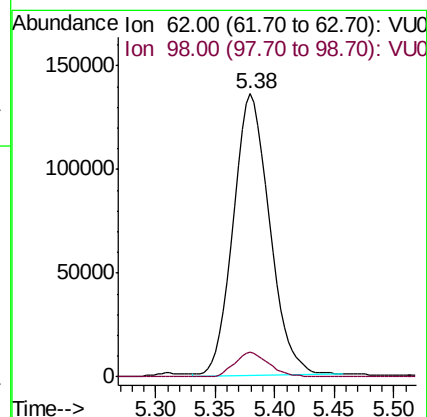
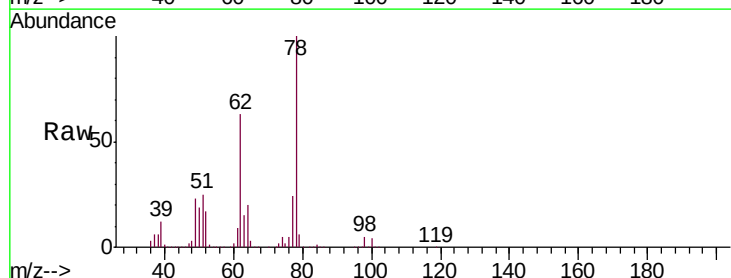
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

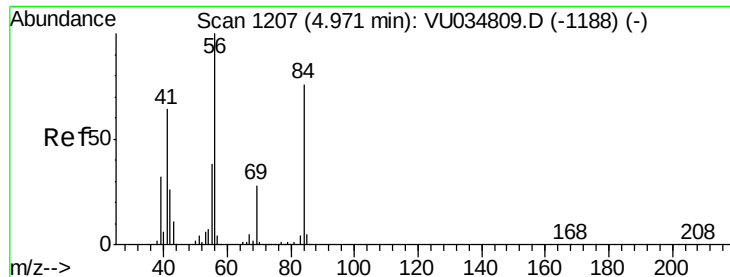
Tgt Ion: 83 Resp: 344776
Ion Ratio Lower Upper
83 100
85 63.3 44.0 81.6



#27
1,2-Dichloroethane
Concen: 49.752 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034832.D
Acq: 26 Sep 2019 02:59

Tgt Ion: 62 Resp: 288395
Ion Ratio Lower Upper
62 100
98 8.7 5.3 7.9#





#29

Cyclohexane

Concen: 51.164 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

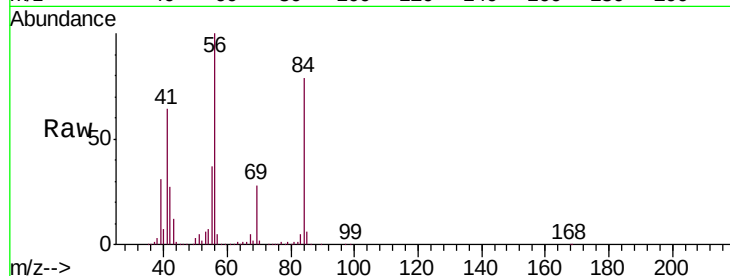
Tgt Ion: 56 Resp: 336405

Ion Ratio Lower Upper

56 100

69 28.5 21.7 32.5

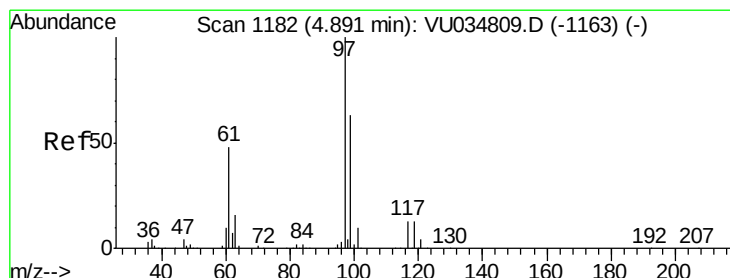
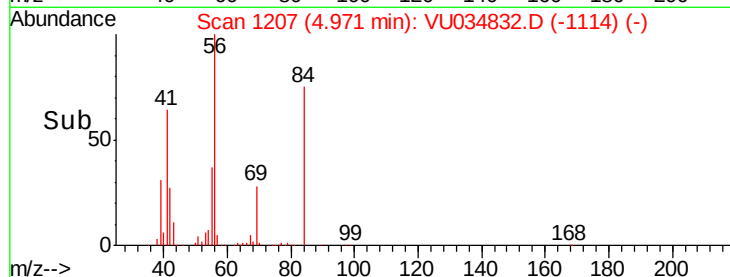
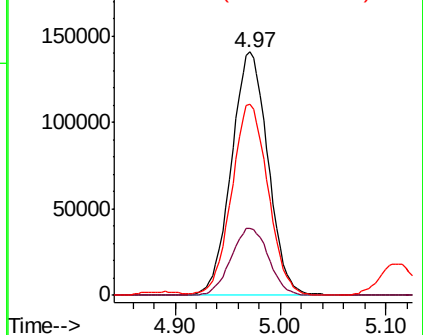
84 78.0 58.8 88.2



Abundance Ion 56.00 (55.70 to 56.70): VU034832.D (-1114) (-)

Ion 69.00 (68.70 to 69.70): VU034832.D (-1114) (-)

Ion 84.00 (83.70 to 84.70): VU034832.D (-1114) (-)



#30

1,1,1-Trichloroethane

Concen: 52.297 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

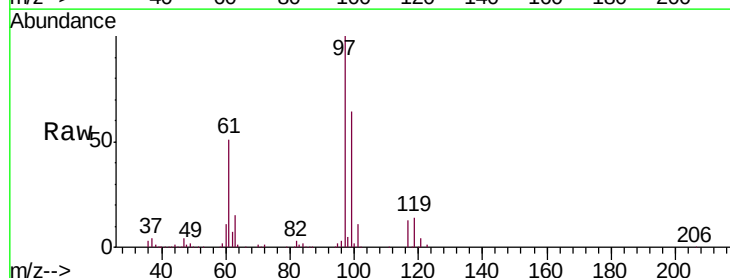
Tgt Ion: 97 Resp: 283539

Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.8

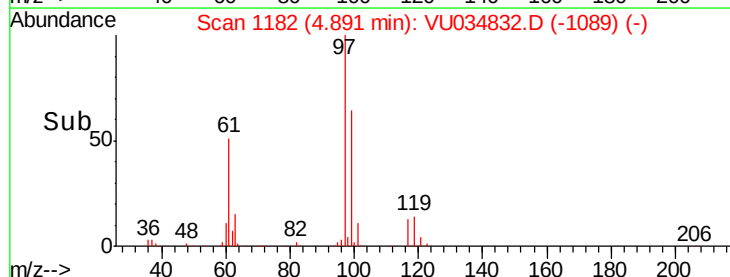
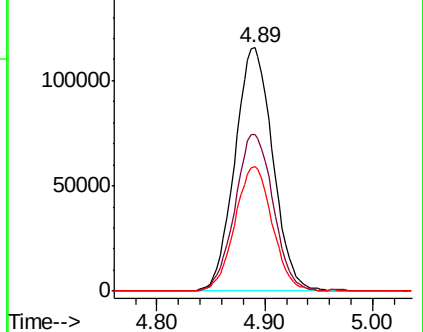
61 50.1 43.4 65.0

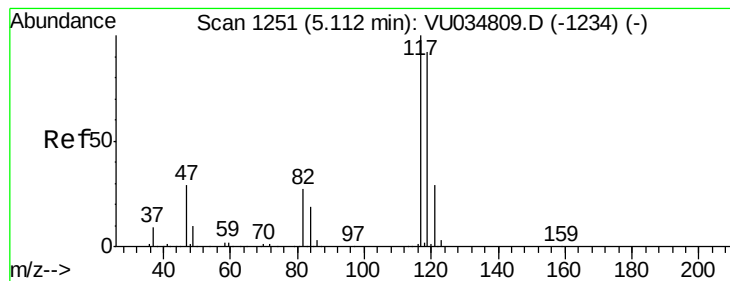


Abundance Ion 97.00 (96.70 to 97.70): VU034832.D (-1089) (-)

Ion 99.00 (98.70 to 99.70): VU034832.D (-1089) (-)

Ion 61.05 (60.75 to 61.75): VU034832.D (-1089) (-)





#31

Carbon tetrachloride

Concen: 52.066 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

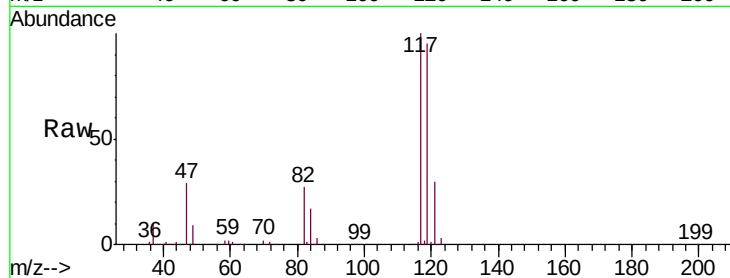
VSTD05047

Tgt Ion:117 Resp: 240586

Ion Ratio Lower Upper

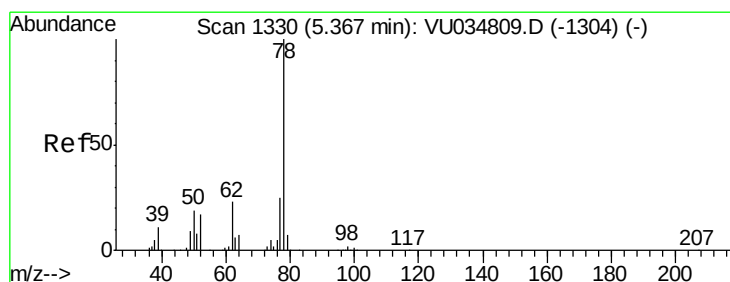
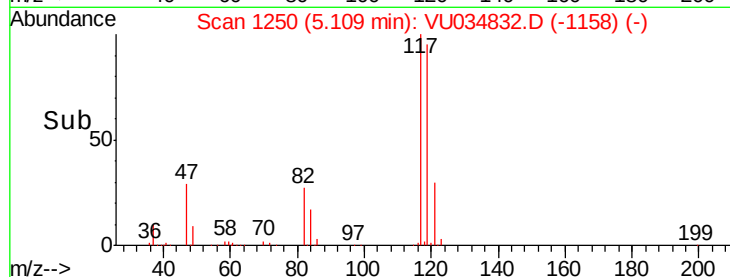
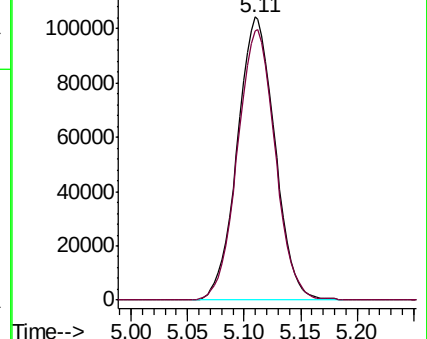
117 100

119 95.9 74.8 112.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 56.960 ug/L

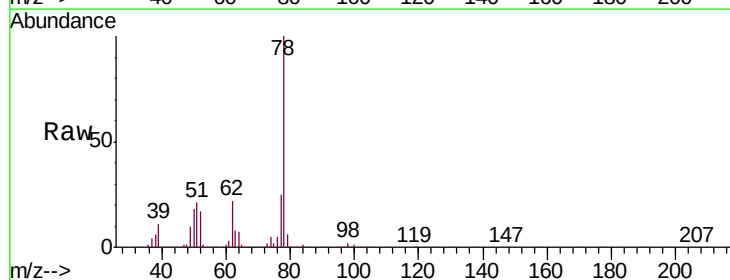
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

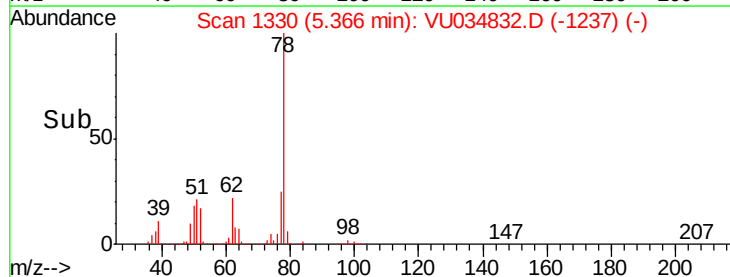
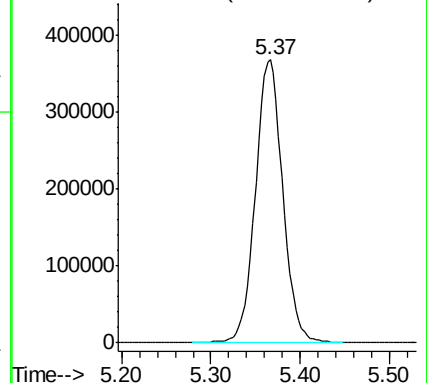
Lab File: VU034832.D

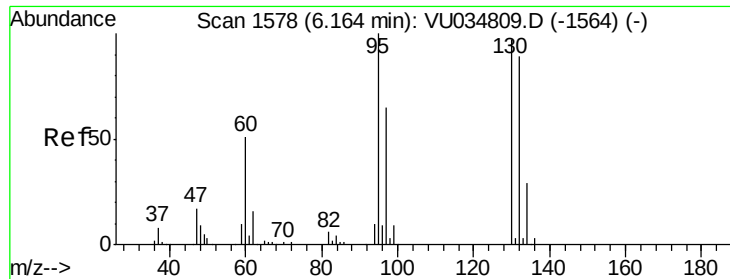
Acq: 26 Sep 2019 02:59

Tgt Ion: 78 Resp: 786955



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 56.575 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

Tgt Ion: 95 Resp: 193040

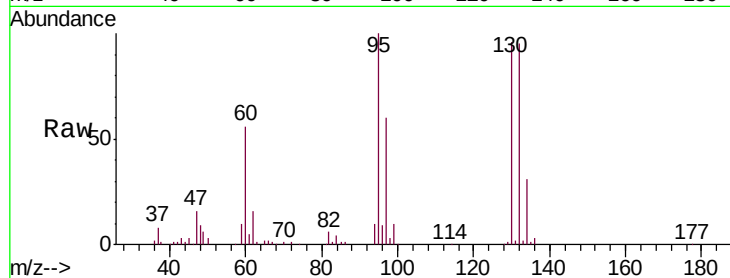
Ion Ratio Lower Upper

95 100

97 60.5 43.7 81.1

132 95.4 61.0 113.2

130 95.7 65.7 121.9

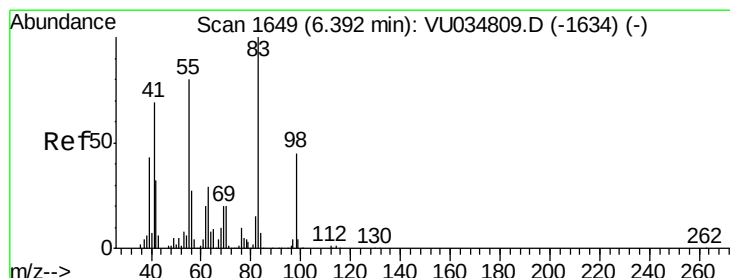
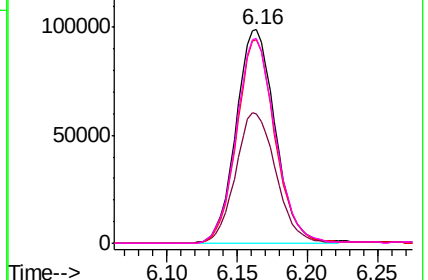
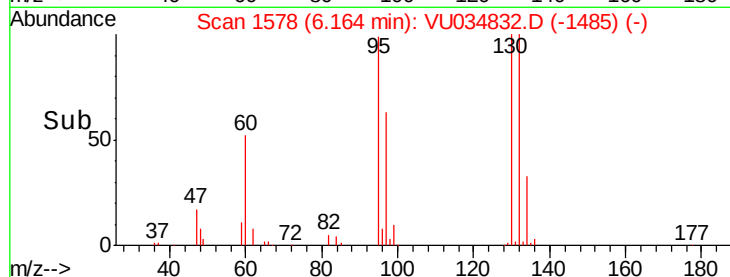


Abundance Ion 95.00 (94.70 to 95.70): VU034832.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VU034832.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VU034832.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VU034832.D (-1485) (-)



#35

Methylcyclohexane

Concen: 52.496 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

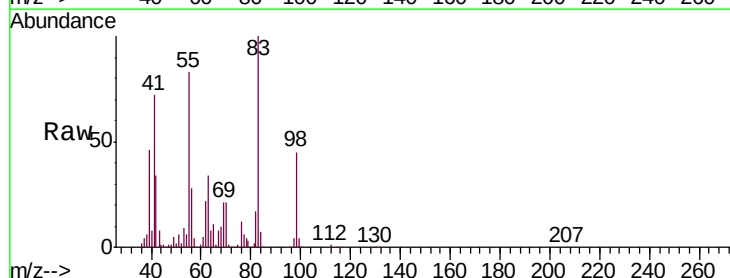
Tgt Ion: 83 Resp: 303969

Ion Ratio Lower Upper

83 100

55 83.8 71.6 107.4

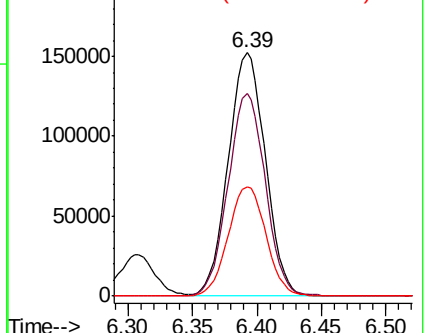
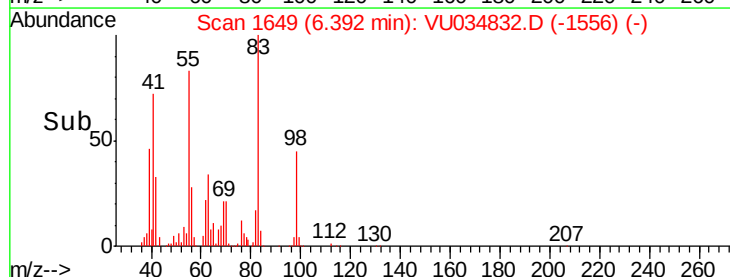
98 46.0 35.7 53.5

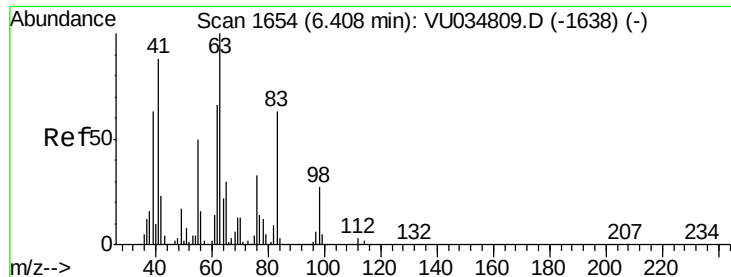


Abundance Ion 83.00 (82.70 to 83.70): VU034832.D (-1556) (-)

Ion 55.00 (54.70 to 55.70): VU034832.D (-1556) (-)

Ion 98.00 (97.70 to 98.70): VU034832.D (-1556) (-)

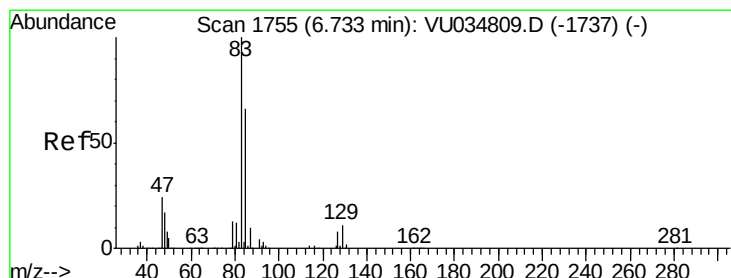
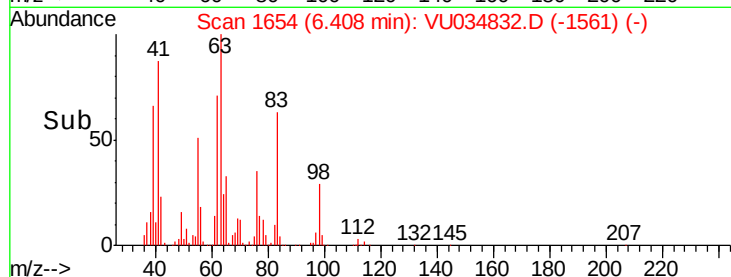
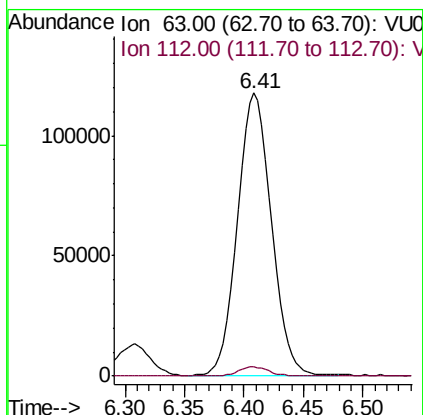
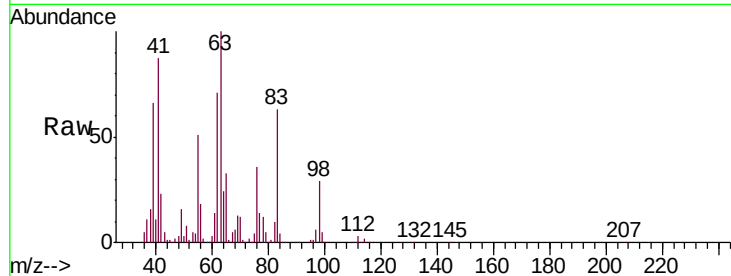




#37
 1,2-Dichloropropane
 Concen: 56.540 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

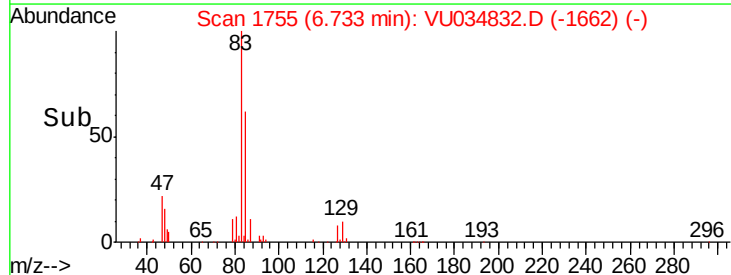
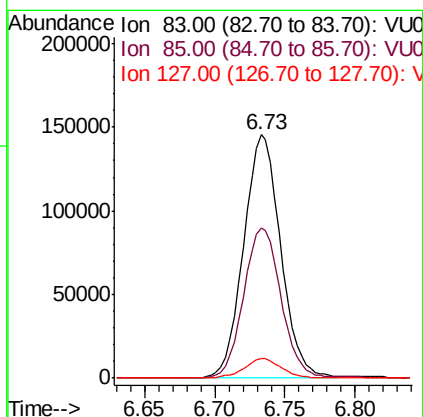
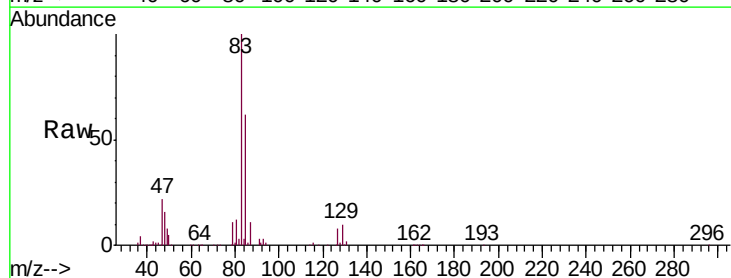
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

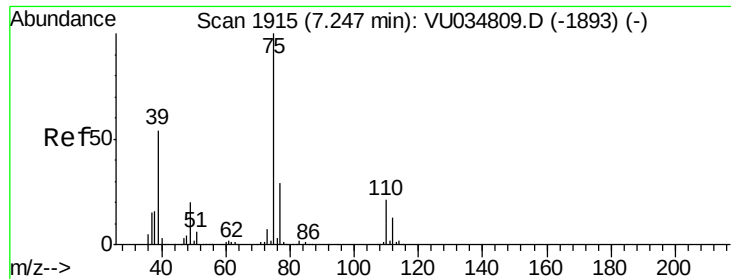
Tgt Ion: 63 Resp: 232599
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.4 3.6



#38
 Bromodichloromethane
 Concen: 53.780 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

Tgt Ion: 83 Resp: 268305
 Ion Ratio Lower Upper
 83 100
 85 61.6 45.5 84.5
 127 8.1 6.1 9.1

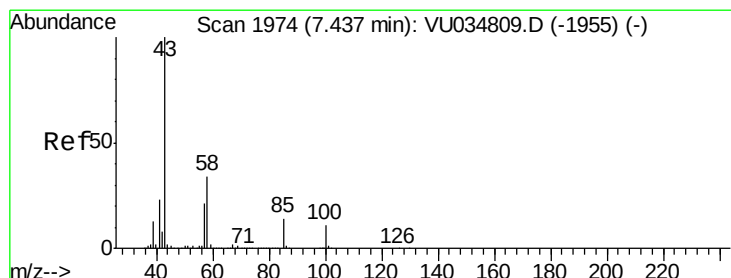
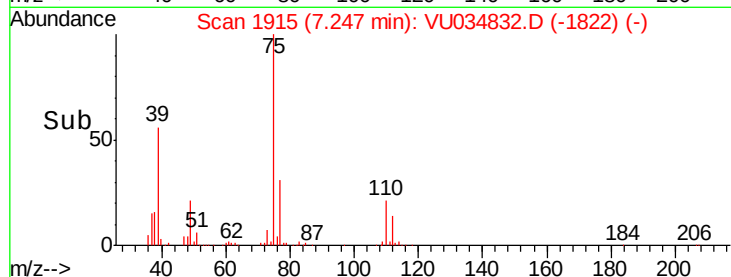
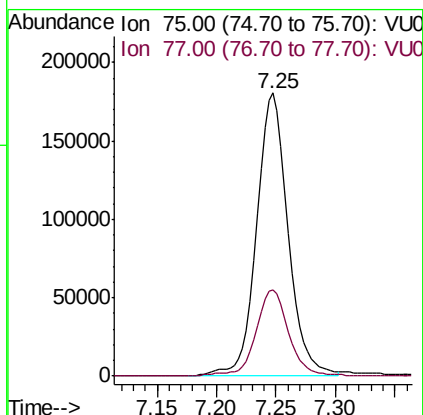
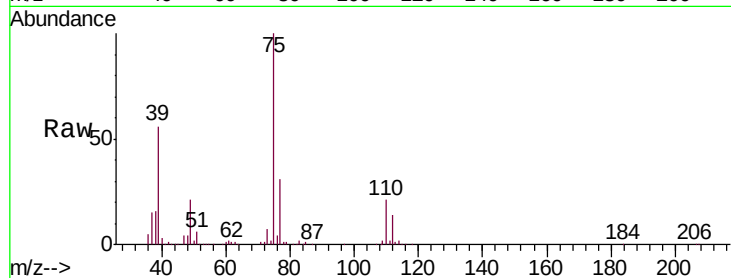




#39
 cis-1,3-Dichloropropene
 Concen: 53.567 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

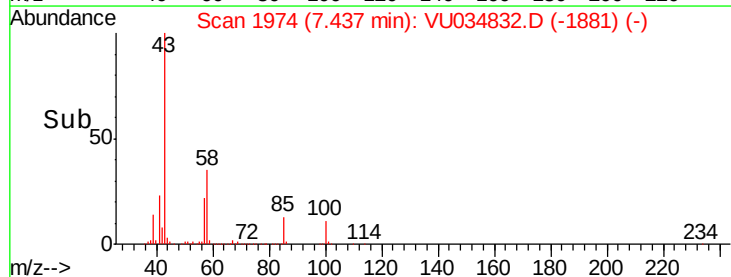
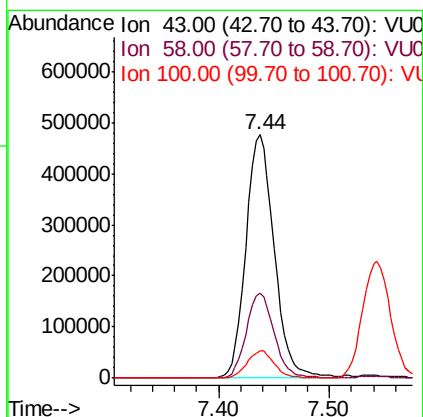
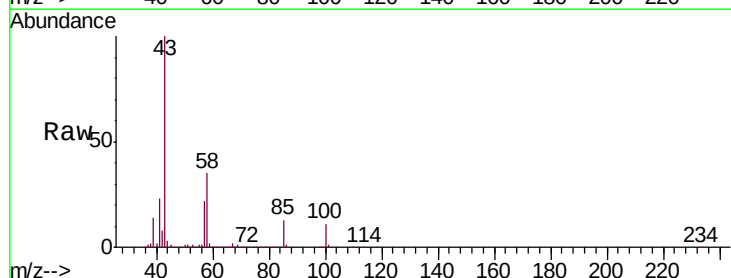
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

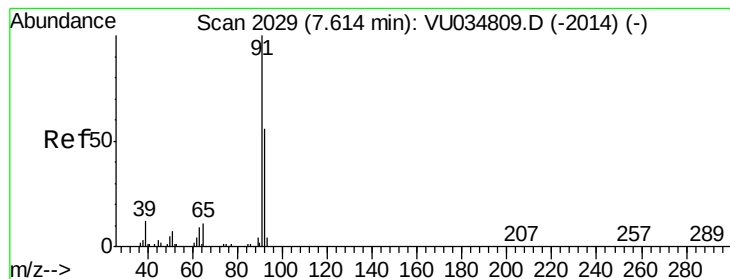
Tgt Ion: 75 Resp: 331111
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 107.604 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

Tgt Ion: 43 Resp: 845125
 Ion Ratio Lower Upper
 43 100
 58 34.5 25.2 37.8
 100 10.9 7.7 11.5





#42

Toluene

Concen: 57.895 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

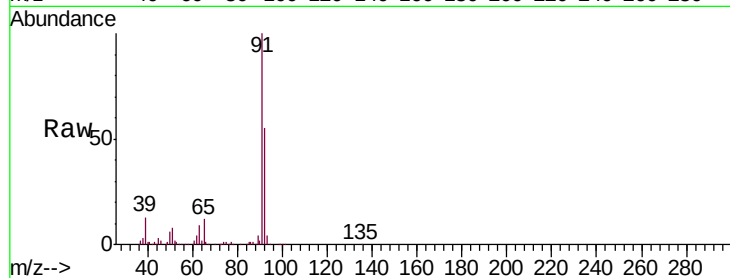
VSTD05047

Tgt Ion: 91 Resp: 864441

Ion Ratio Lower Upper

91 100

92 55.4 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VU034809.D (-2014) (-)

Ion 92.00 (91.70 to 92.70): VU034809.D (-2014) (-)

7.61

500000

400000

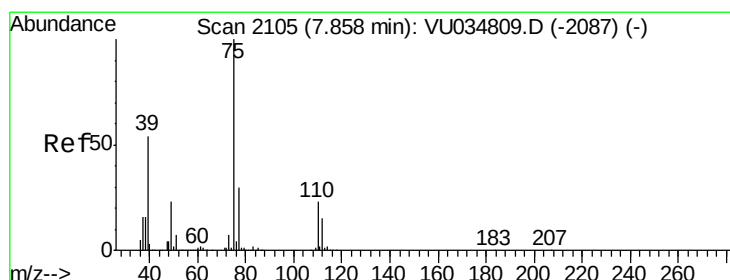
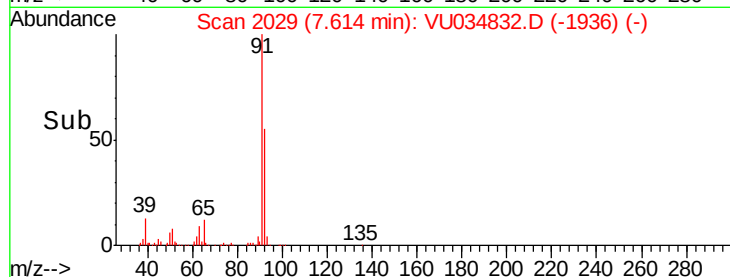
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.687 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034832.D

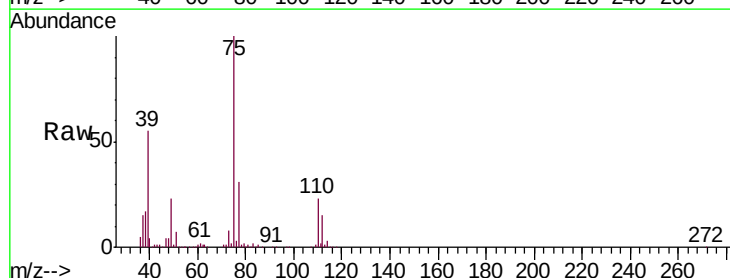
Acq: 26 Sep 2019 02:59

Tgt Ion: 75 Resp: 293594

Ion Ratio Lower Upper

75 100

77 31.4 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU034809.D (-2087) (-)

Ion 77.00 (76.70 to 77.70): VU034809.D (-2087) (-)

7.86

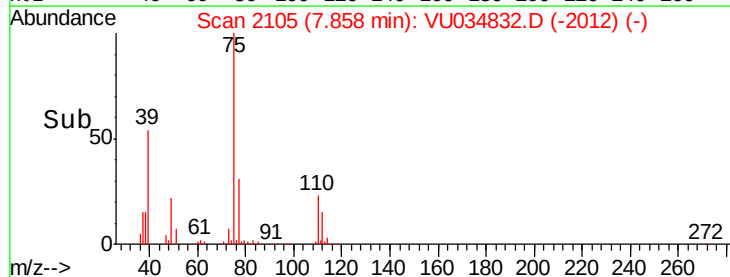
150000

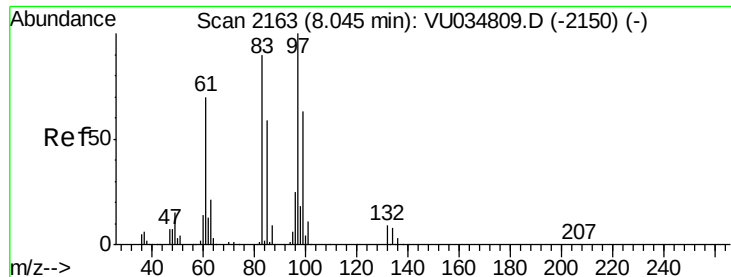
100000

50000

0

Time-->

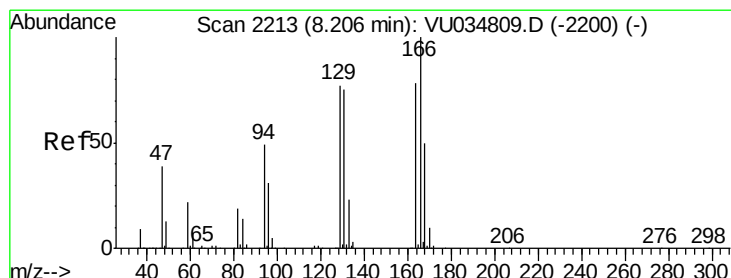
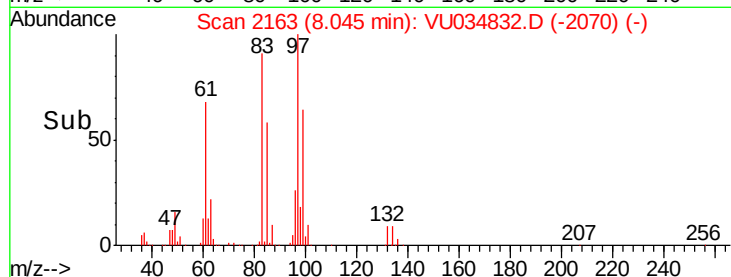
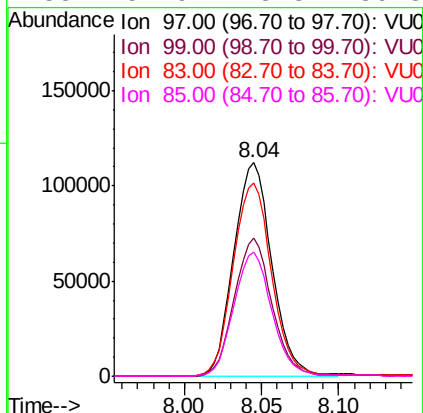
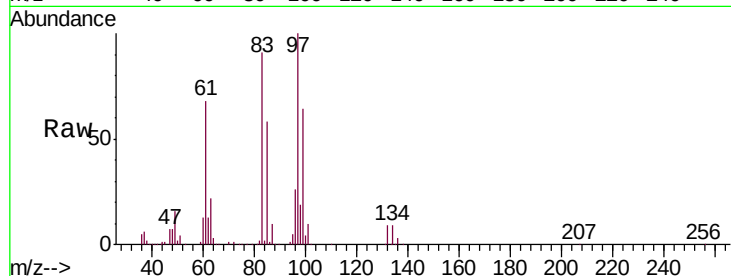




#45
 1,1,2-Trichloroethane
 Concen: 58.477 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

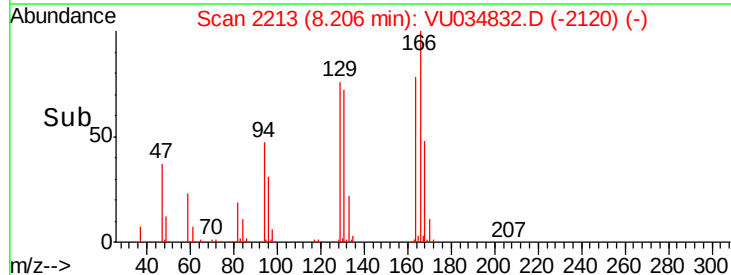
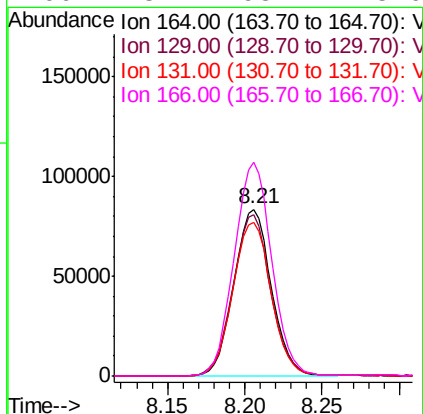
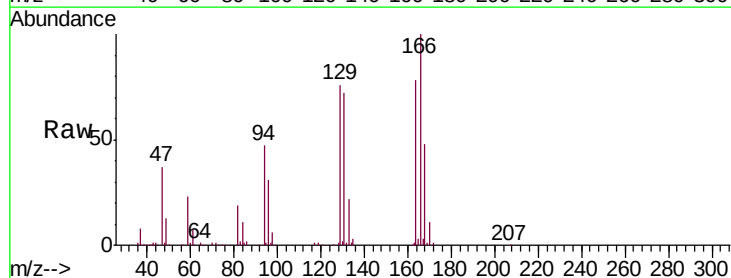
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

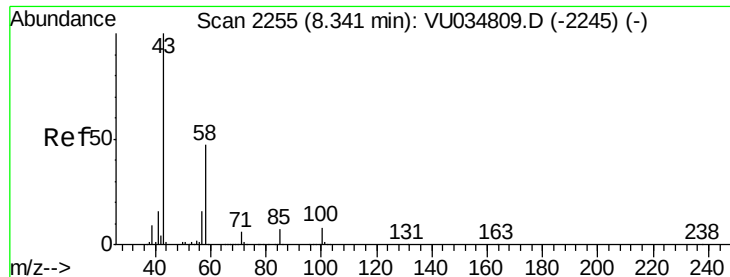
Tgt Ion:	97	Resp:	192695
Ion	Ratio	Lower	Upper
97	100		
99	64.4	43.6	81.0
83	90.7	66.9	124.3
85	57.9	43.3	80.3



#46
 Tetrachloroethene
 Concen: 58.474 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

Tgt Ion:	164	Resp:	140343
Ion	Ratio	Lower	Upper
164	100		
129	97.0	71.9	133.5
131	92.1	66.3	123.1
166	128.1	93.4	173.6

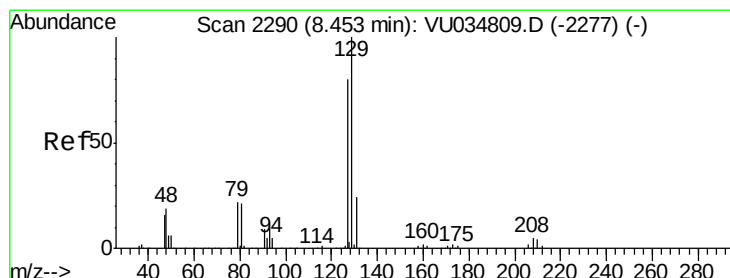
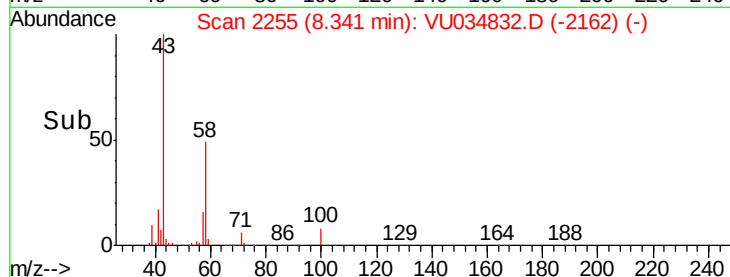
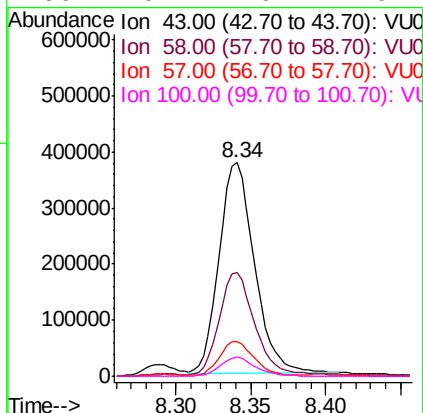
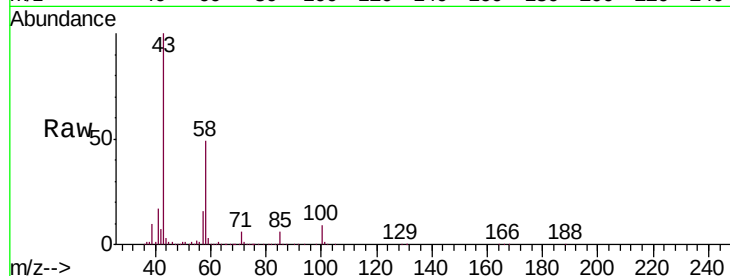




#48
2-Hexanone
Concen: 101.446 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034832.D
Acq: 26 Sep 2019 02:59

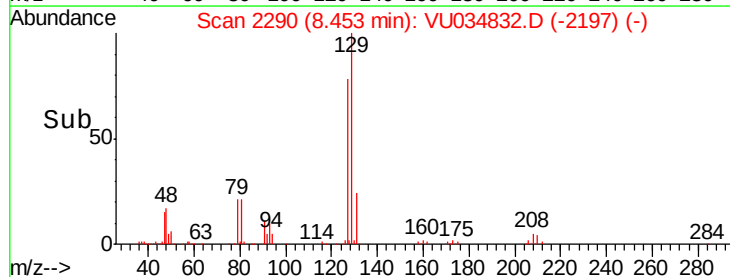
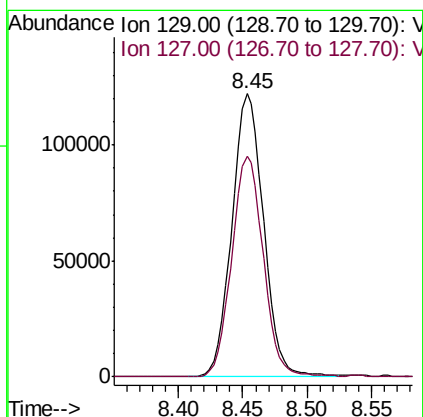
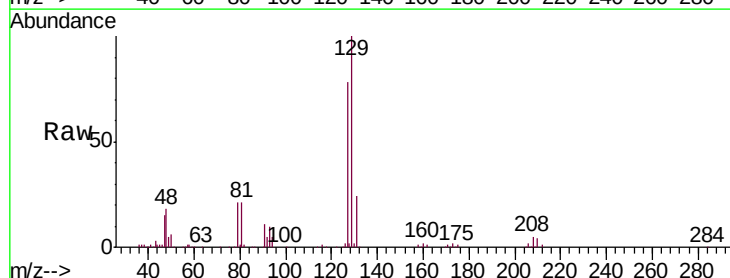
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

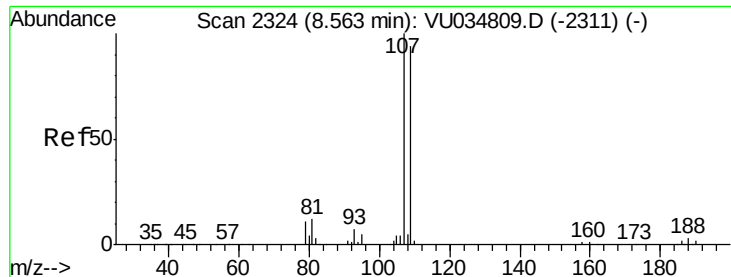
Tgt Ion:	43	Resp:	622287
Ion	Ratio	Lower	Upper
43	100		
58	49.1	35.3	52.9
57	16.2	12.1	18.1
100	9.1	6.2	9.4



#49
Dibromochloromethane
Concen: 56.728 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034832.D
Acq: 26 Sep 2019 02:59

Tgt Ion:	129	Resp:	208363
Ion	Ratio	Lower	Upper
129	100		
127	78.0	55.5	103.1

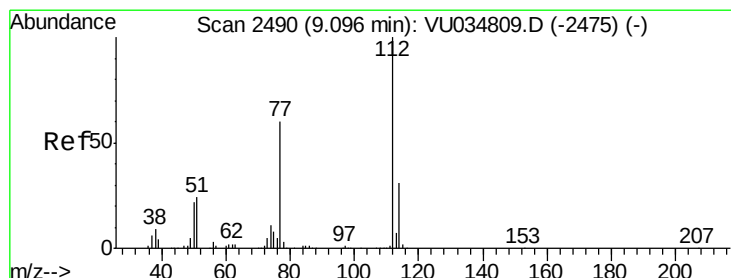
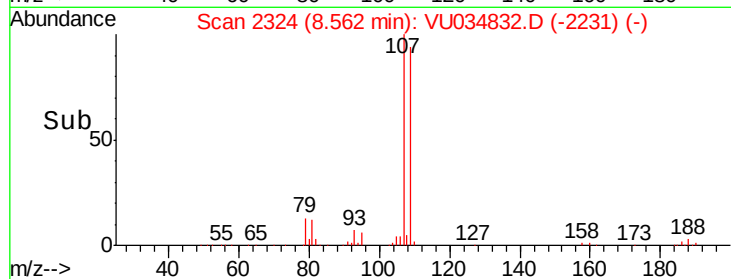
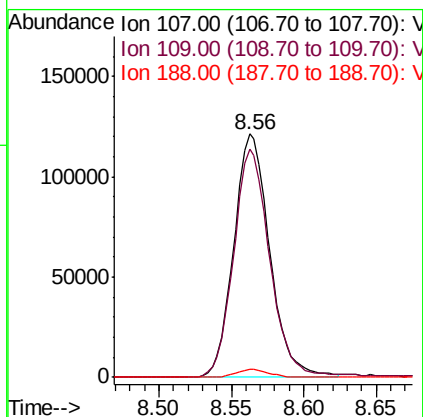
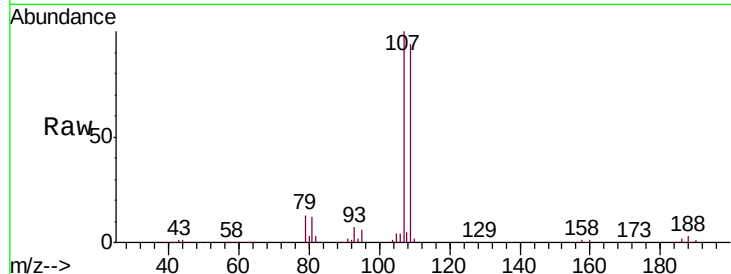




#50
 1,2-Dibromoethane
 Concen: 58.866 ug/L
 RT: 8.56 min Scan# 2324
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

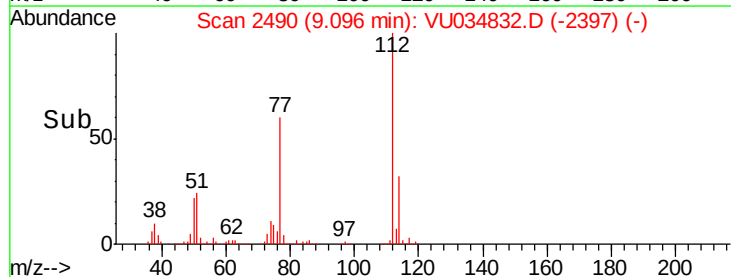
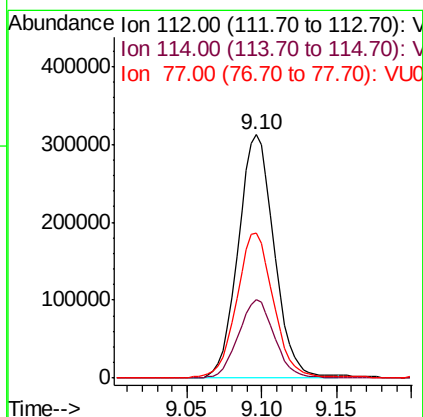
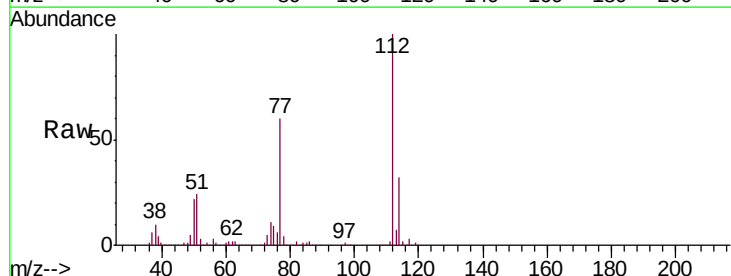
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

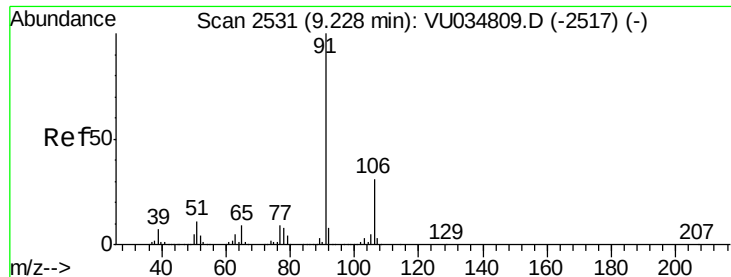
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	65.5	121.6
188	3.3	2.7	4.1



#51
 Chlorobenzene
 Concen: 57.584 ug/L
 RT: 9.10 min Scan# 2490
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.8	42.4
77	59.6	51.5	77.3





#52

Ethylbenzene

Concen: 55.346 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

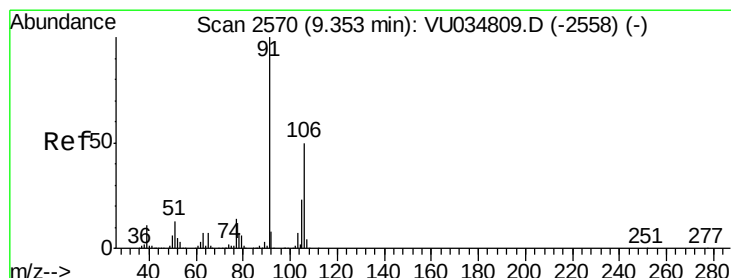
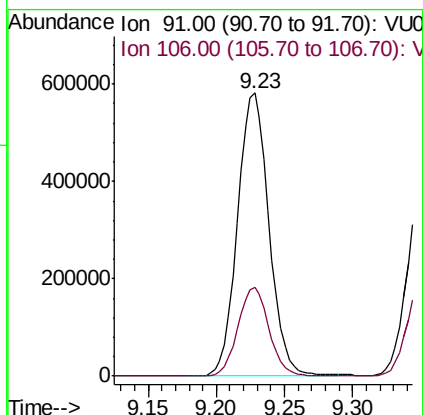
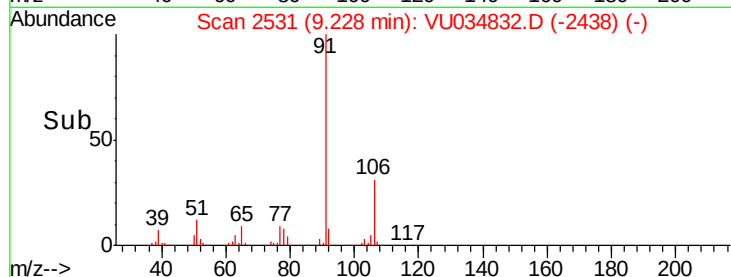
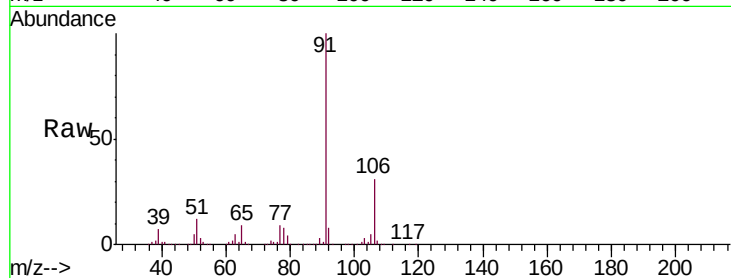
VSTD05047

Tgt Ion: 91 Resp: 930569

Ion Ratio Lower Upper

91 100

106 31.4 20.6 38.4



#53

m,p-Xylene

Concen: 57.853 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034832.D

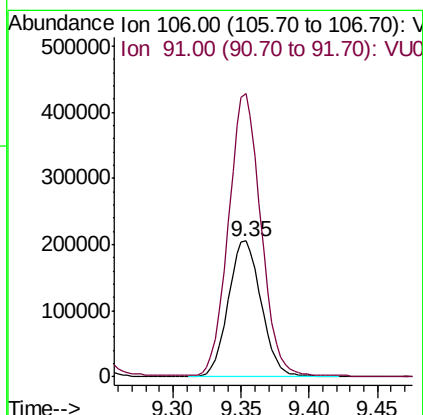
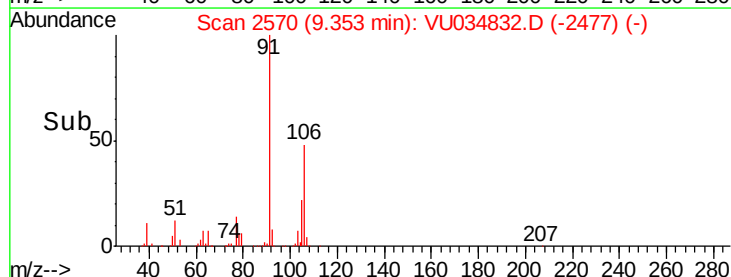
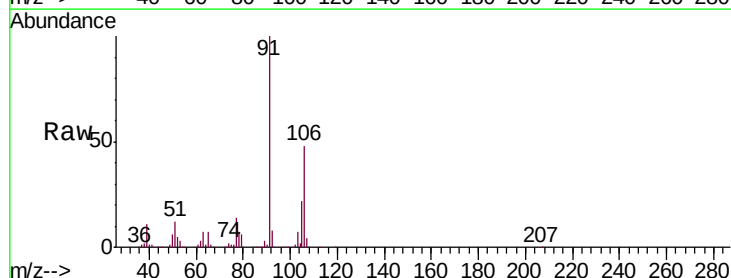
Acq: 26 Sep 2019 02:59

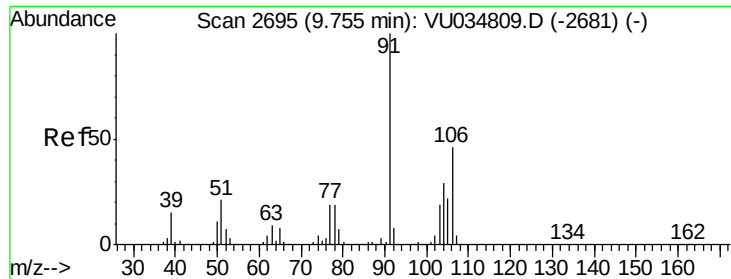
Tgt Ion: 106 Resp: 344536

Ion Ratio Lower Upper

106 100

91 208.3 146.9 272.7

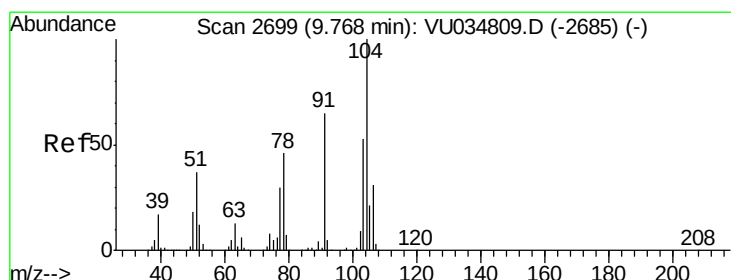
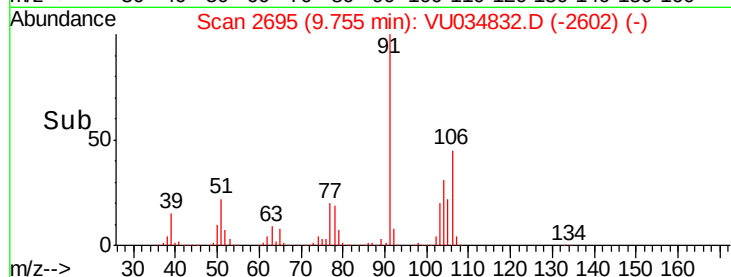
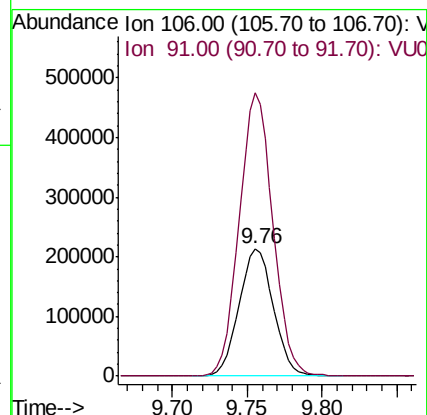
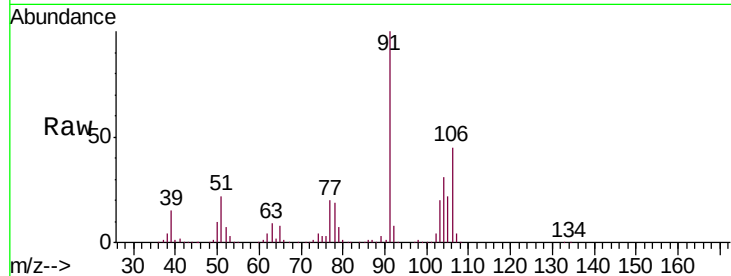




#54
o-xylene
Concen: 57.981 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034832.D
Acq: 26 Sep 2019 02:59

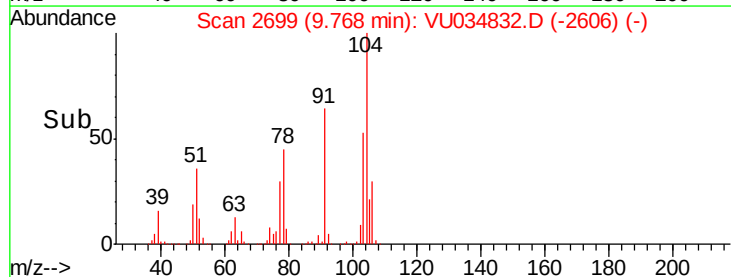
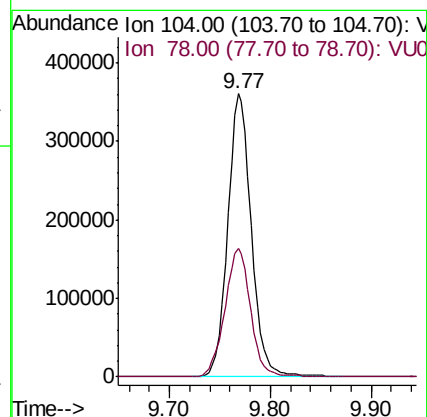
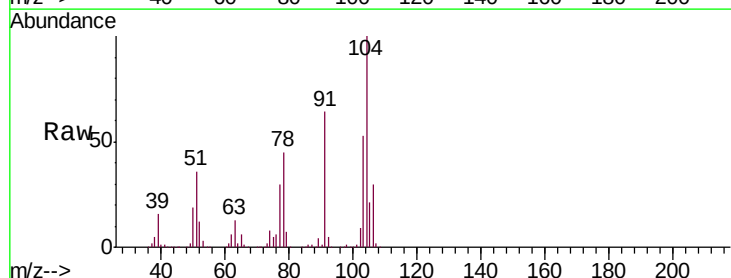
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

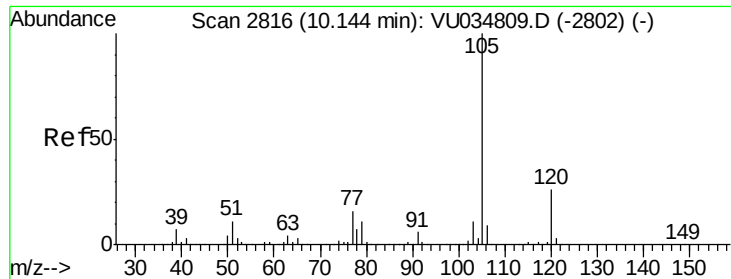
Tgt Ion:106 Resp: 341530
Ion Ratio Lower Upper
106 100
91 222.2 155.6 289.0



#55
Styrene
Concen: 59.070 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. -0.00 min
Lab File: VU034832.D
Acq: 26 Sep 2019 02:59

Tgt Ion:104 Resp: 588958
Ion Ratio Lower Upper
104 100
78 45.4 35.1 65.3





#56

Isopropylbenzene

Concen: 56.733 ug/L

RT: 10.14 min Scan# 2815

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

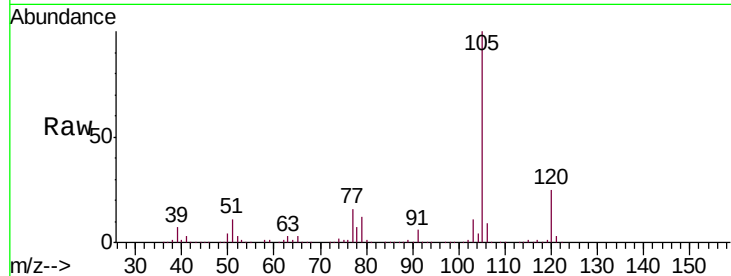
Tgt Ion: 105 Resp: 901056

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

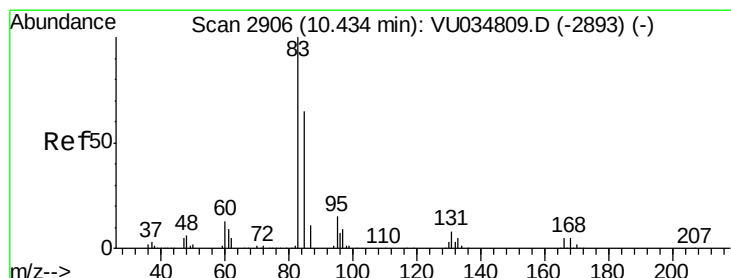
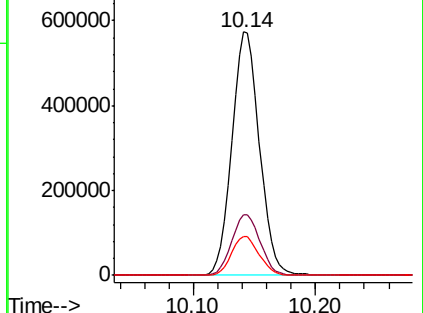
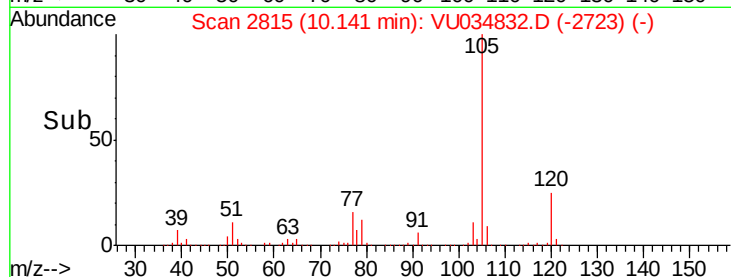
77 16.2 14.2 21.4



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: 56.835 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

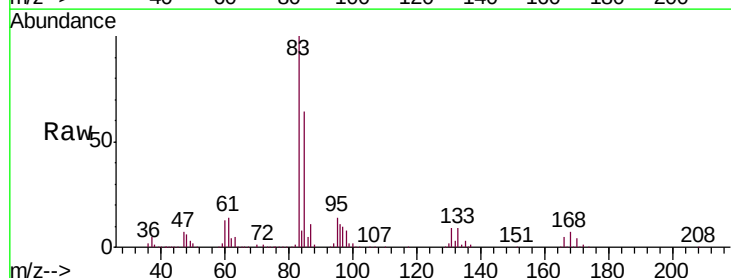
Tgt Ion: 83 Resp: 359711

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

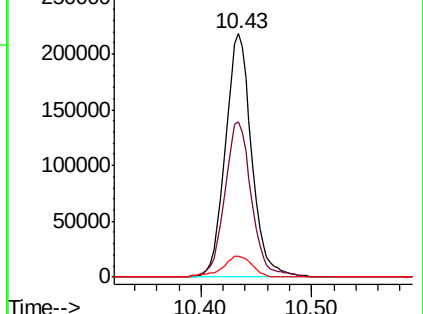
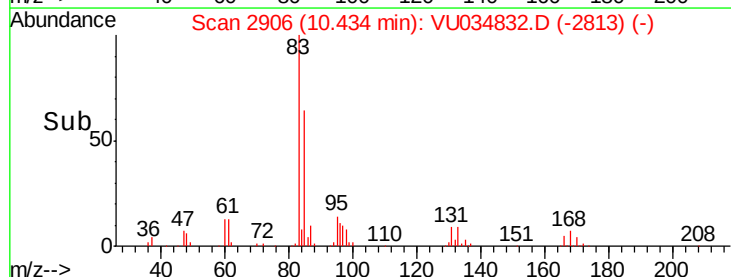
131 8.7 6.6 10.0

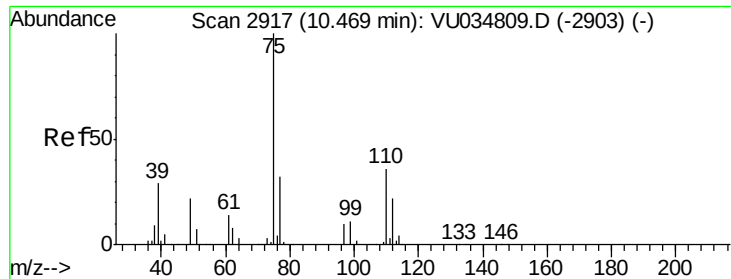


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.337 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

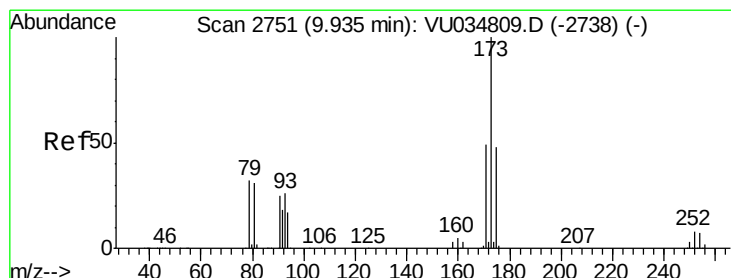
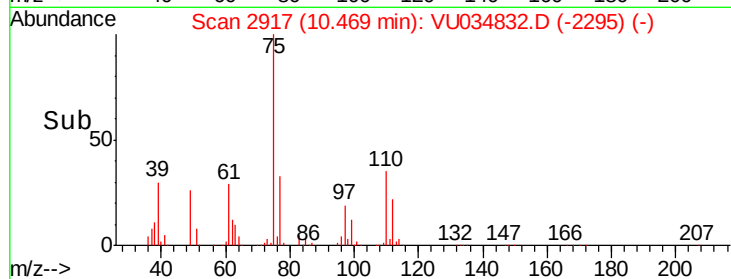
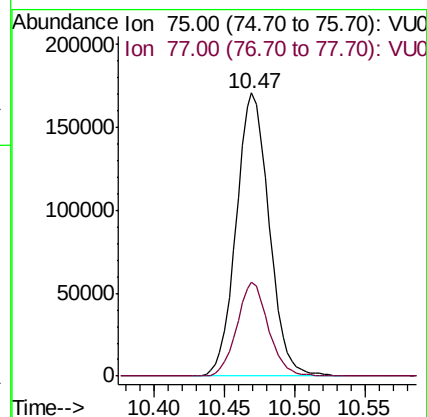
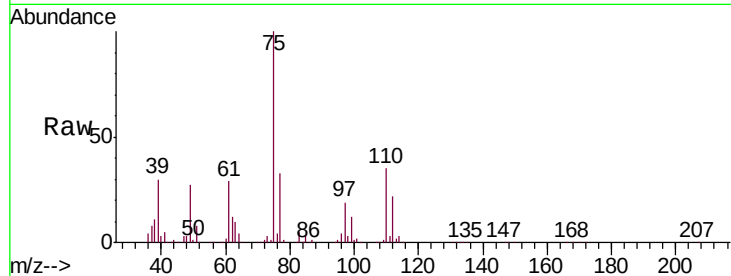
VSTD05047

Tgt Ion: 75 Resp: 279192

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



#61

Bromoform

Concen: 53.932 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

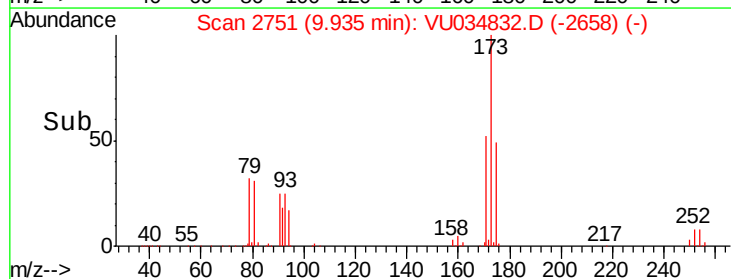
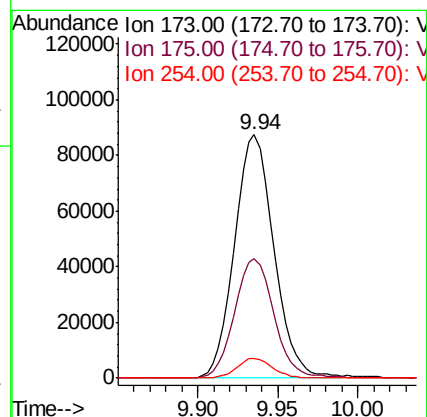
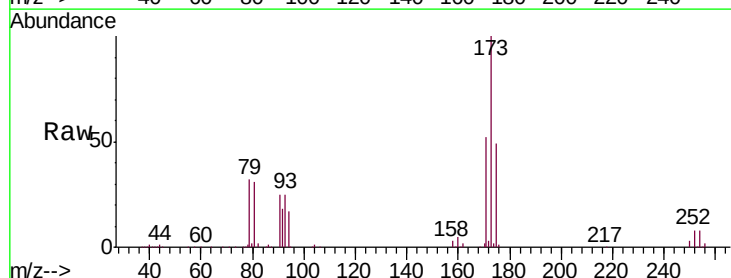
Tgt Ion: 173 Resp: 146822

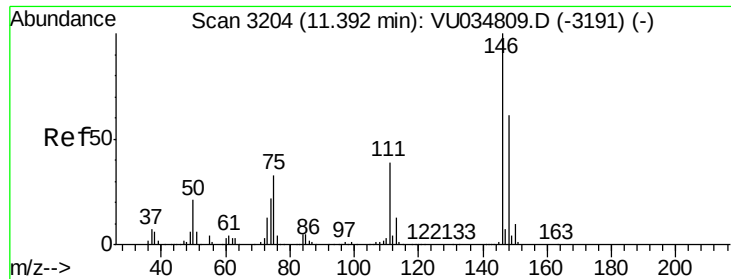
Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

254 7.2 5.3 7.9





#62

1,3-Dichlorobenzene

Concen: 58.246 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

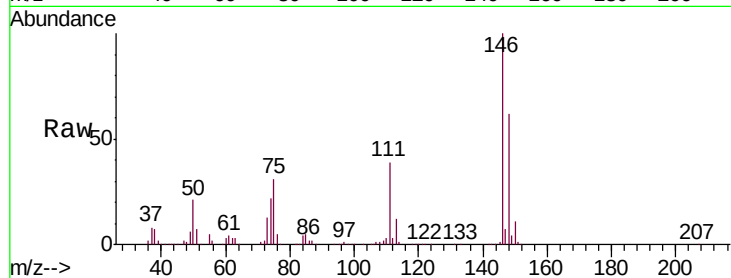
Tgt Ion:146 Resp: 398839

Ion Ratio Lower Upper

146 100

111 39.3 30.4 56.5

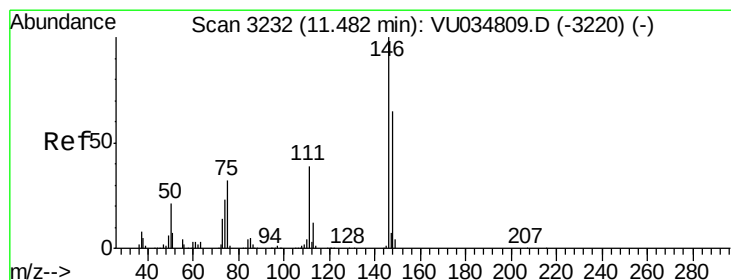
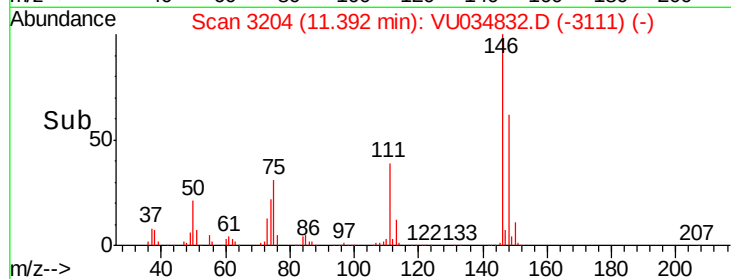
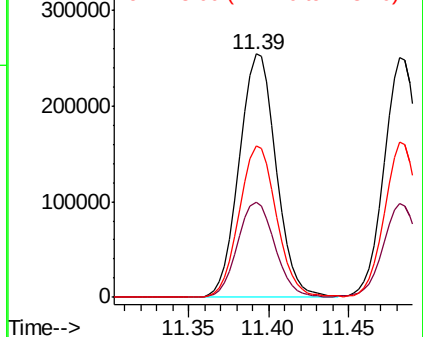
148 62.5 46.1 85.7



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: 57.411 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

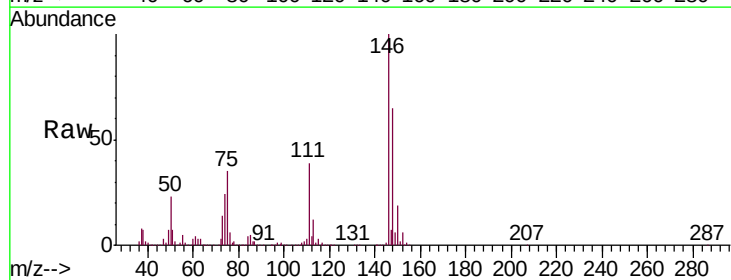
Tgt Ion:146 Resp: 400467

Ion Ratio Lower Upper

146 100

111 39.1 29.5 54.9

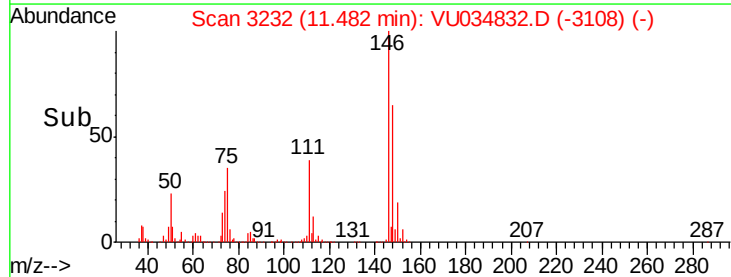
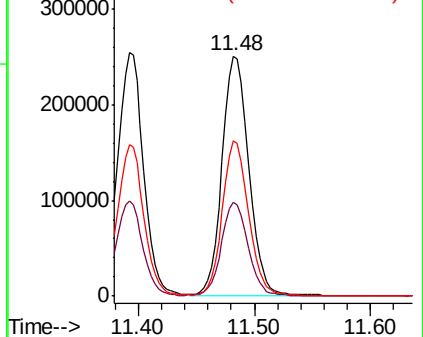
148 64.5 44.4 82.4

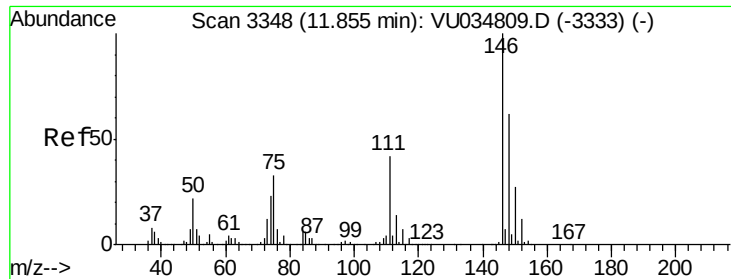


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

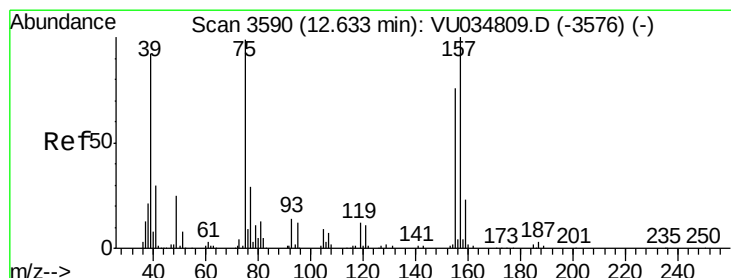
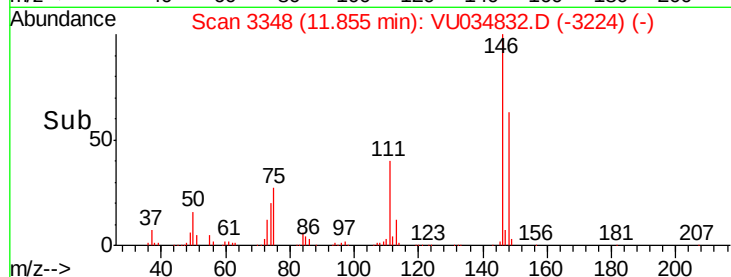
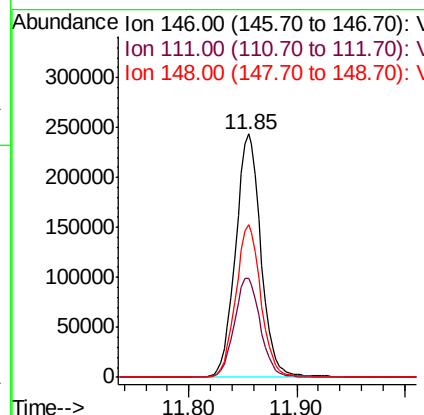
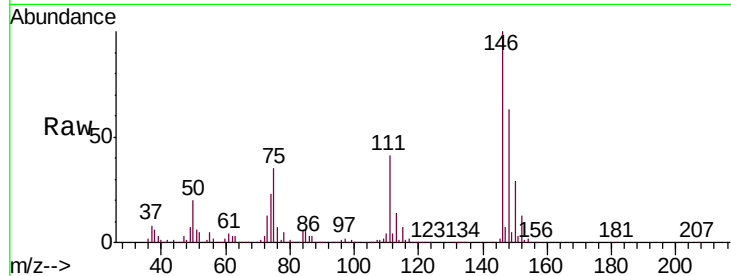




#65
 1,2-Dichlorobenzene
 Concen: 57.629 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

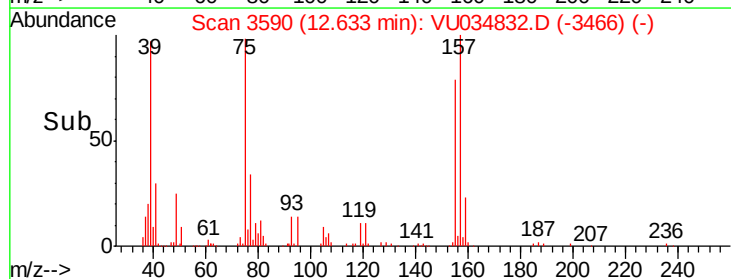
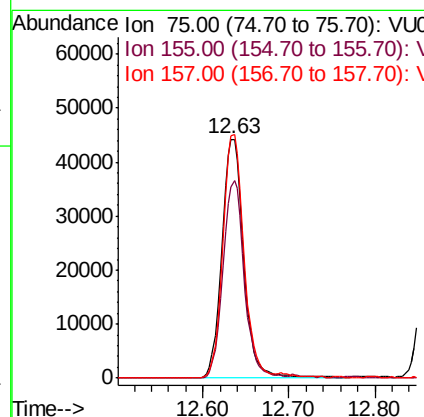
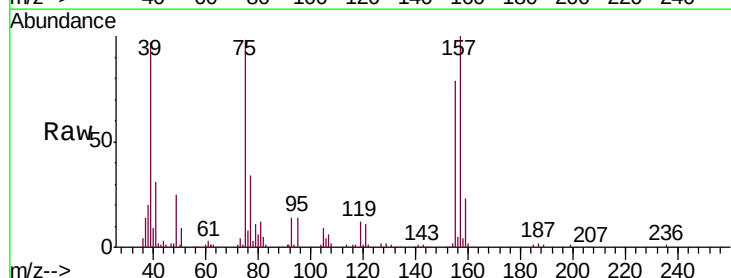
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

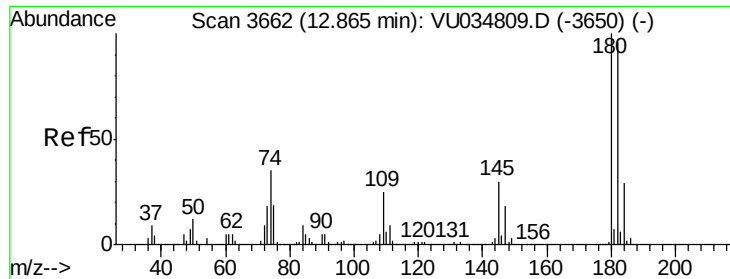
Tgt Ion: 146 Resp: 398719
 Ion Ratio Lower Upper
 146 100
 111 40.8 35.2 52.8
 148 63.0 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.359 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

Tgt Ion: 75 Resp: 78470
 Ion Ratio Lower Upper
 75 100
 155 80.2 54.7 82.1
 157 101.6 69.9 104.9

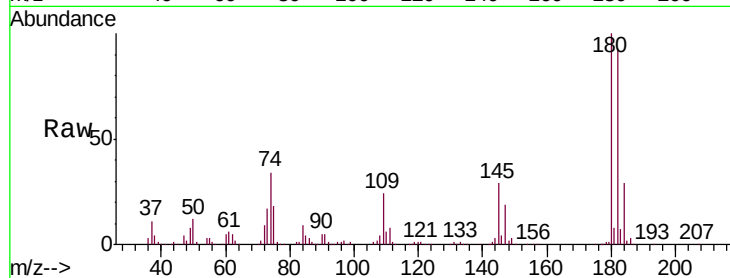




#67
 1,3,5-Trichlorobenzene
 Concen: 58.930 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion:	180	Resp:	270370
Ion	Ratio	Lower	Upper
180	100		
182	94.7	79.2	118.8
184	30.2	24.6	36.8
145	29.7	24.9	37.3



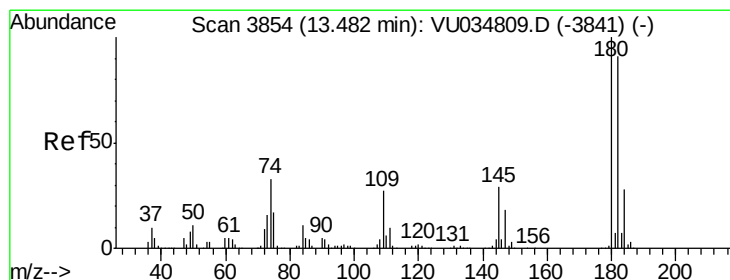
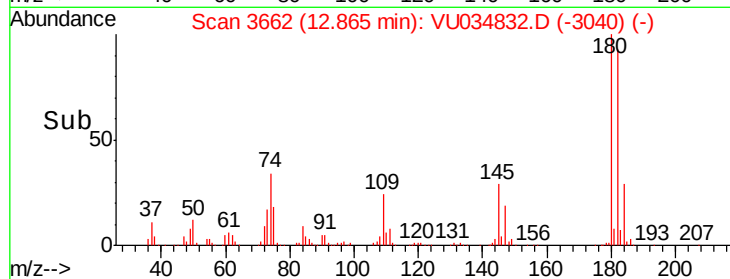
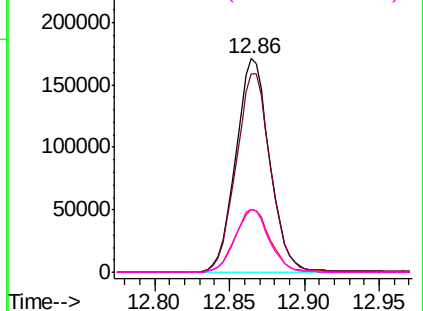
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

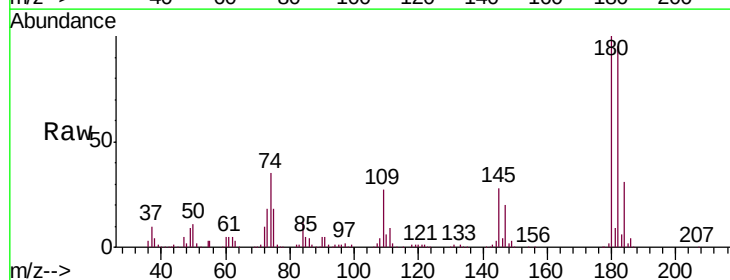
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 64.558 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034832.D
 Acq: 26 Sep 2019 02:59

Tgt Ion:	180	Resp:	232918
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.7	113.5
145	29.1	25.2	37.8

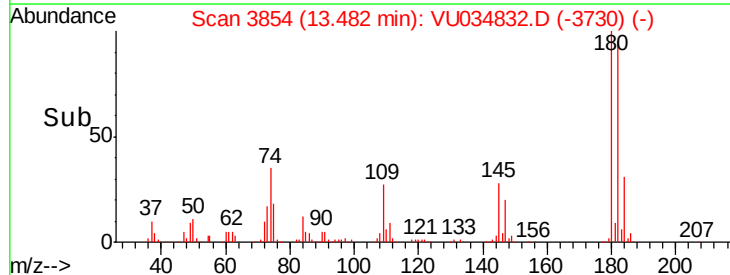
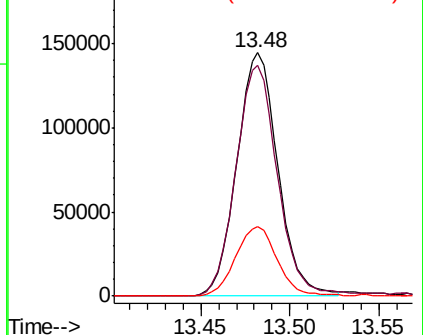


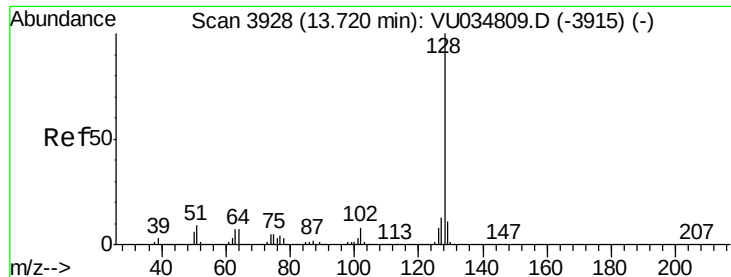
Abundance

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: 67.275 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

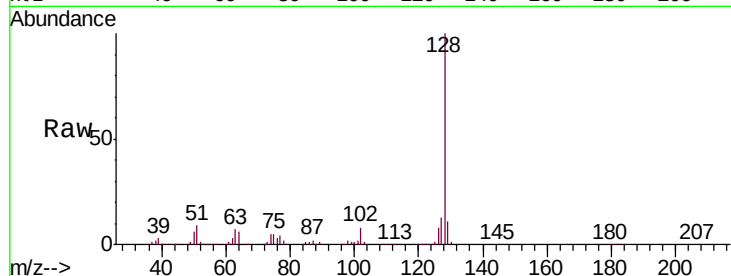
Tgt Ion:128 Resp: 840256

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

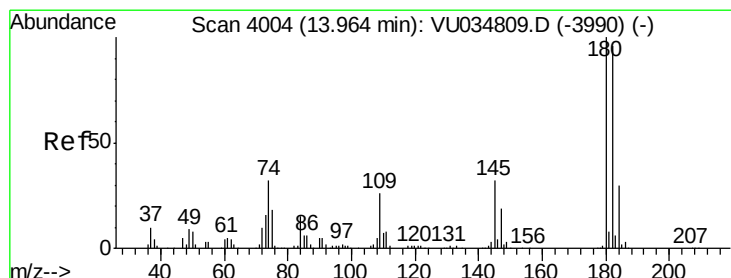
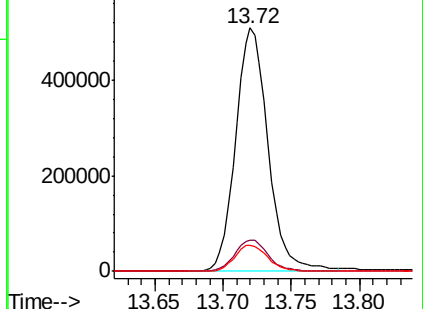
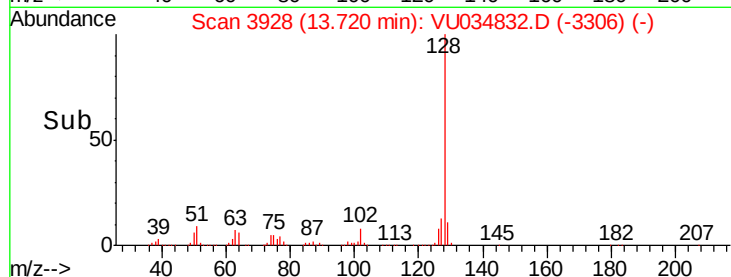
129 10.9 8.6 12.8



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: 65.920 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034832.D

Acq: 26 Sep 2019 02:59

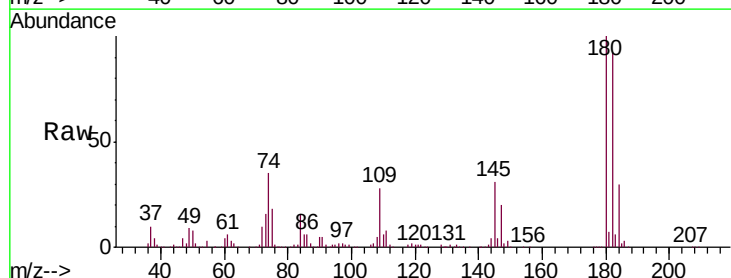
Tgt Ion:180 Resp: 244718

Ion Ratio Lower Upper

180 100

182 92.4 79.2 118.8

145 31.4 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

