

Data File : VU033662.D
Acq On : 09 Aug 2019 01:05
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Quant Time: Aug 09 07:46:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 09 07:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	292427	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	294332	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	154923	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	138894	42.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.14%
7) Chloroethane-d5	1.67	69	124864	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.38%
11) 1,1-Dichloroethene-d2	2.26	63	229974	43.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.18%
21) 2-Butanone-d5	4.15	46	231461	95.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.74%
24) Chloroform-d	4.62	84	245023	44.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.58%
26) 1,2-Dichloroethane-d4	5.29	65	163109	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
32) Benzene-d6	5.32	84	506349	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.26%
36) 1,2-Dichloropropane-d6	6.31	67	163111	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.48%
41) Toluene-d8	7.55	98	473258	46.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.28%
43) trans-1,3-Dichloropropene-	7.83	79	77423	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.66%
47) 2-Hexanone-d5	8.29	63	173685	99.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.40%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	257818	47.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.44%
64) 1,2-Dichlorobenzene-d4	11.84	152	195440	46.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.34%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	123397	45.825	ug/L	98
3) Chloromethane	1.32	50	129580	44.132	ug/L	99
5) Vinyl chloride	1.40	62	145315	45.783	ug/L	100
6) Bromomethane	1.62	94	80810	37.901	ug/L	99
8) Chloroethane	1.69	64	91582	46.261	ug/L	97
9) Trichlorofluoromethane	1.88	101	197006	46.755	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	97206	44.872	ug/L	99
12) 1,1-Dichloroethene	2.27	96	95135	45.991	ug/L	98
13) Acetone	2.31	43	126895	77.159	ug/L	99
14) Carbon disulfide	2.46	76	283411	45.769	ug/L	99
15) Methyl Acetate	2.60	43	130724	48.756	ug/L	99
16) Methylene chloride	2.68	84	115944	47.276	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	100694	46.718	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	323632	47.805	ug/L	99
19) 1,1-Dichloroethane	3.42	63	198505	47.209	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	116502	48.000	ug/L	98
22) 2-Butanone	4.23	43	190010	92.033	ug/L	100

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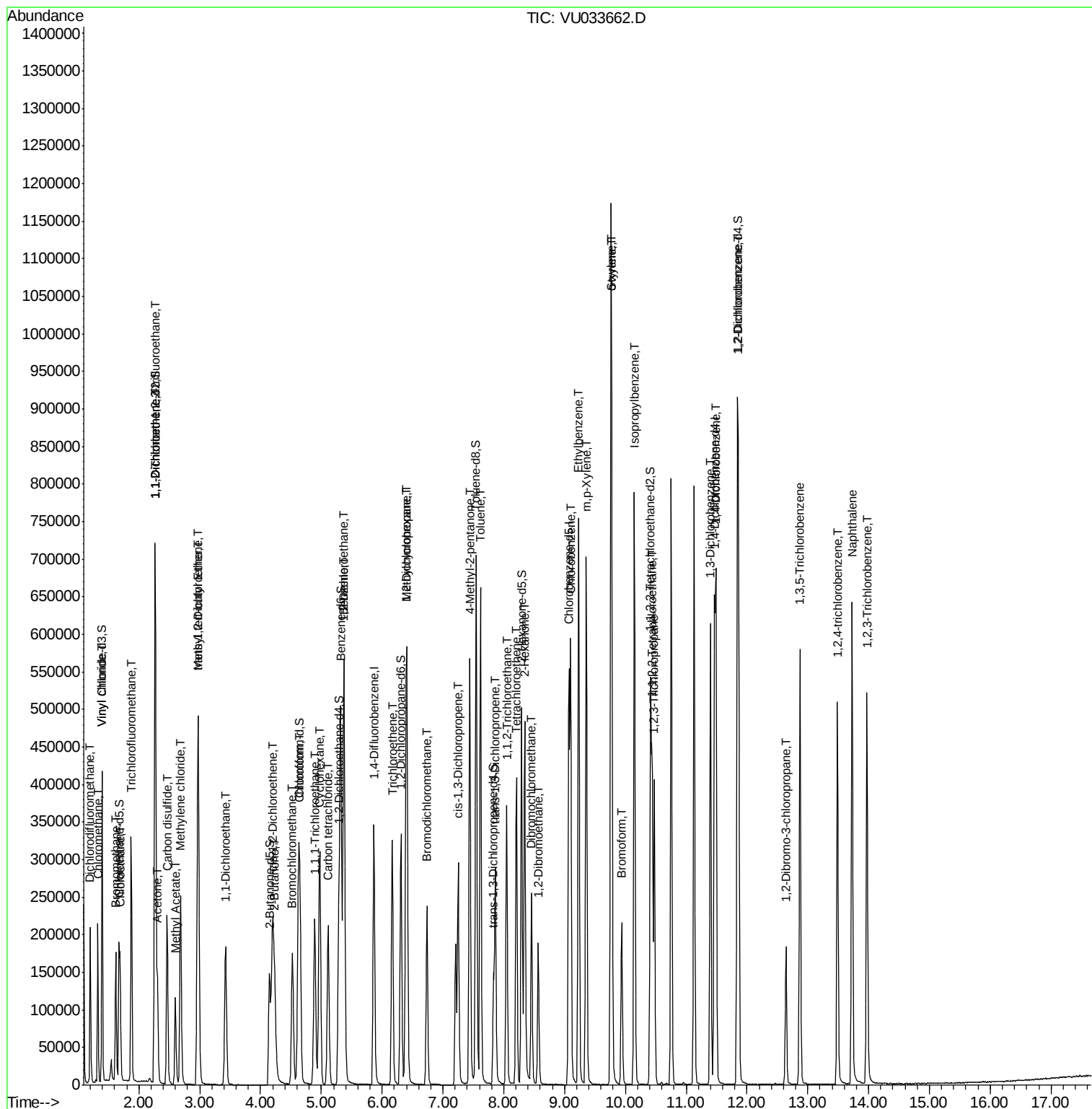
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	60799	47.370	ug/L	99
25) Chloroform	4.65	83	214249	48.642	ug/L	94
27) 1,2-Dichloroethane	5.38	62	163580	47.913	ug/L	99
29) Cyclohexane	4.97	56	161070	47.366	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	170603	46.171	ug/L	99
31) Carbon tetrachloride	5.11	117	152559	46.681	ug/L	100
33) Benzene	5.37	78	443931	47.778	ug/L	100
34) Trichloroethene	6.16	95	112007	46.997	ug/L	99
35) Methylcyclohexane	6.40	83	170743	46.778	ug/L	100
37) 1,2-Dichloropropane	6.41	63	121628	48.433	ug/L	99
38) Bromodichloromethane	6.74	83	155553	47.884	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	172503	46.147	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	366451	100.587	ug/L	99
42) Toluene	7.62	91	483444	48.517	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	163961	46.601	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	112895	47.172	ug/L	99
46) Tetrachloroethene	8.21	164	91382	47.263	ug/L	97
48) 2-Hexanone	8.34	43	294601	98.084	ug/L	98
49) Dibromochloromethane	8.46	129	129189	47.374	ug/L	98
50) 1,2-Dibromoethane	8.57	107	126830	48.844	ug/L	98
51) Chlorobenzene	9.10	112	312888	48.012	ug/L	97
52) Ethylbenzene	9.23	91	523569	48.908	ug/L	99
53) m,p-Xylene	9.36	106	200410	49.401	ug/L	96
54) o-xylene	9.76	106	198840	49.446	ug/L	97
55) Styrene	9.77	104	343700	50.232	ug/L	100
56) Isopropylbenzene	10.15	105	506817	48.934	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	208063	47.340	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	166308	48.502	ug/L	99
61) Bromoform	9.94	173	99910	48.114	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	251289	48.291	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	257188	47.812	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	255624	48.435	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	47611	48.433	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	184374	46.871	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	161080	48.990	ug/L	98
69) Naphthalene	13.73	128	510669	53.179	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	172179	50.160	ug/L	99

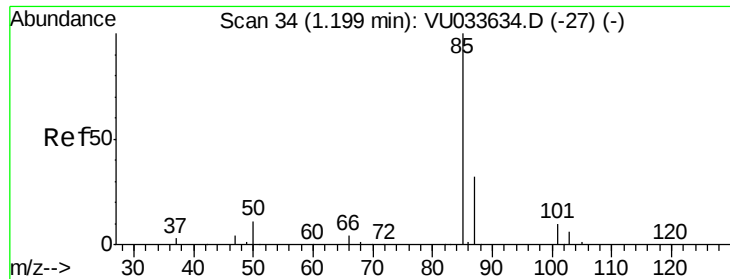
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.825 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

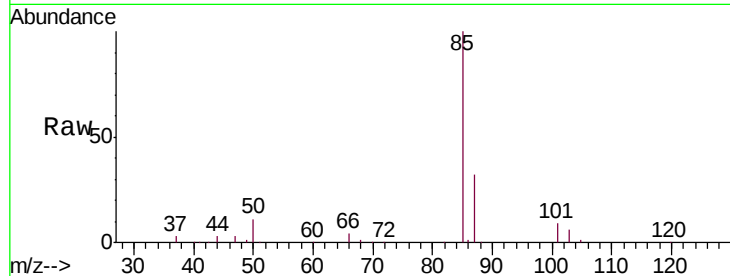
VSTD05054

Tgt Ion: 85 Resp: 123397

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033662.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033662.D (-1) (-)

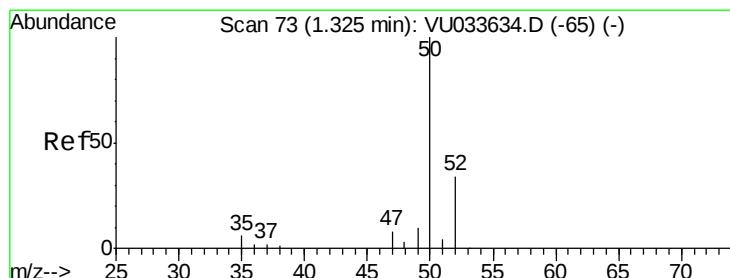
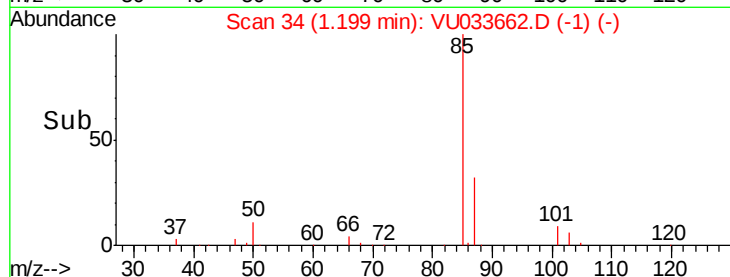
1.20

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.132 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033662.D

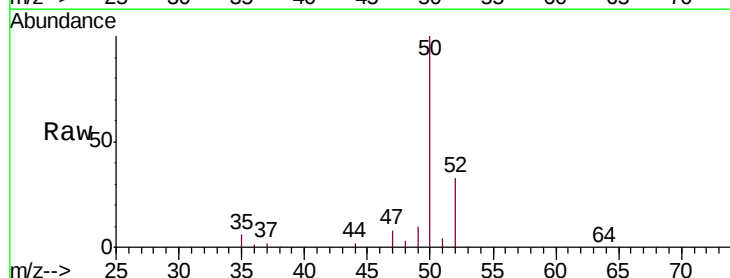
Acq: 09 Aug 2019 01:05

Tgt Ion: 50 Resp: 129580

Ion Ratio Lower Upper

50 100

52 32.7 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU033662.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033662.D (-1) (-)

1.32

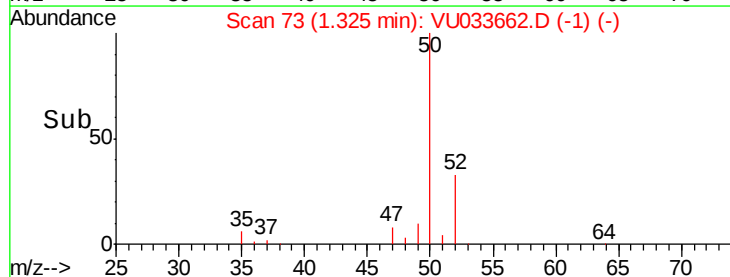
150000

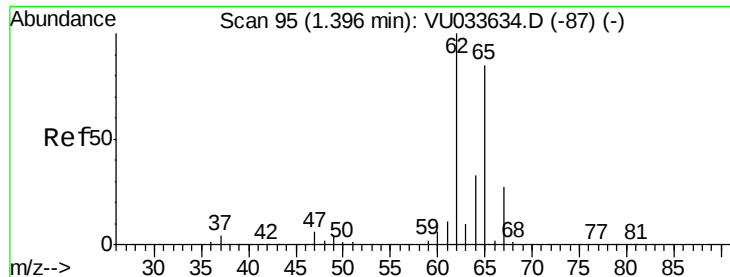
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 45.783 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

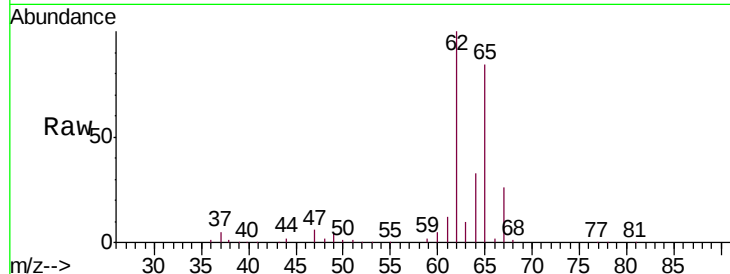
VSTD05054

Tgt Ion: 62 Resp: 145315

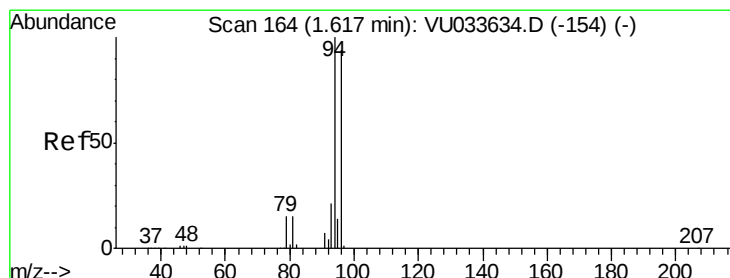
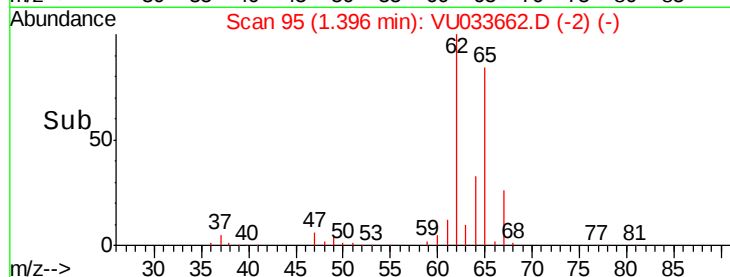
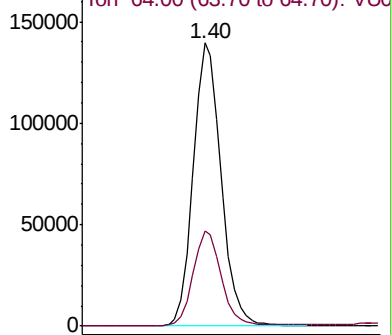
Ion Ratio Lower Upper

62 100

64 33.5 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU033662.D (-2) (-)



#6

Bromomethane

Concen: 37.901 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033662.D

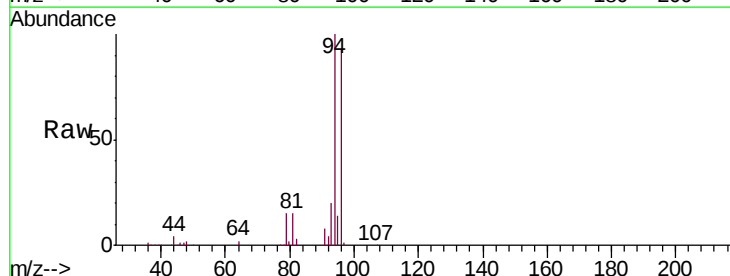
Acq: 09 Aug 2019 01:05

Tgt Ion: 94 Resp: 80810

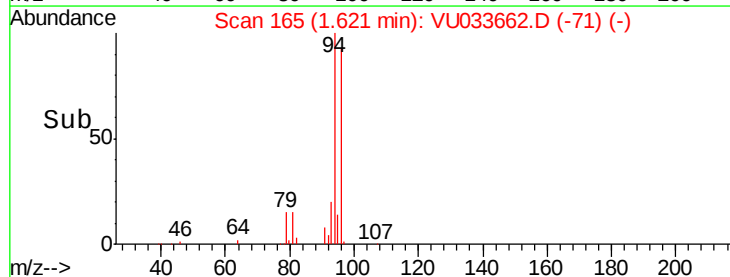
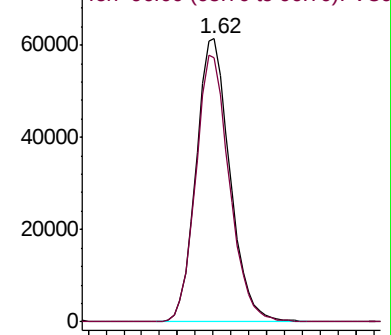
Ion Ratio Lower Upper

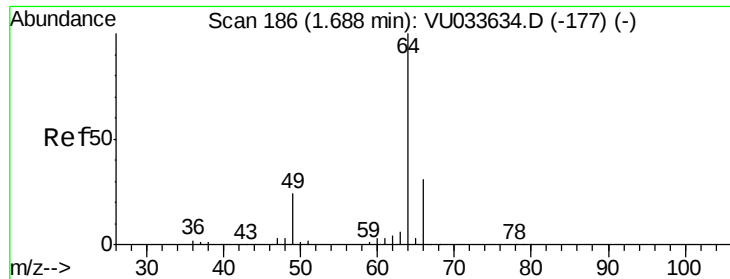
94 100

96 93.5 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU033662.D (-71) (-)





#8

Chloroethane

Concen: 46.261 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

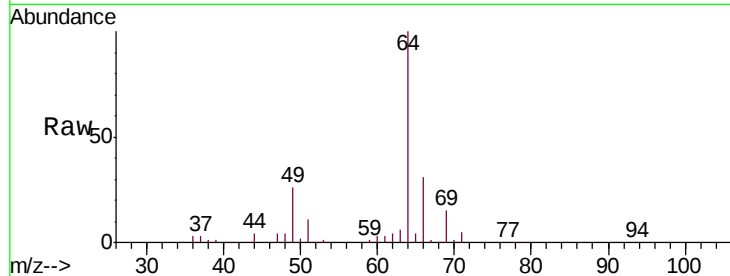
VSTD05054

Tgt Ion: 64 Resp: 91582

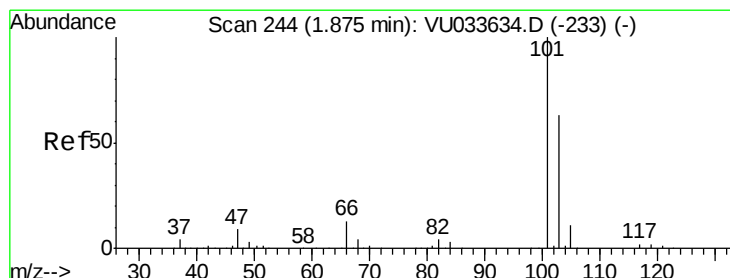
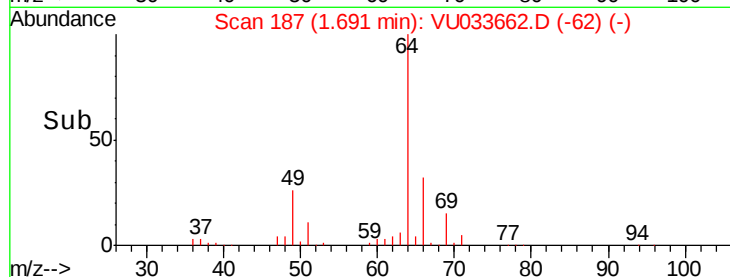
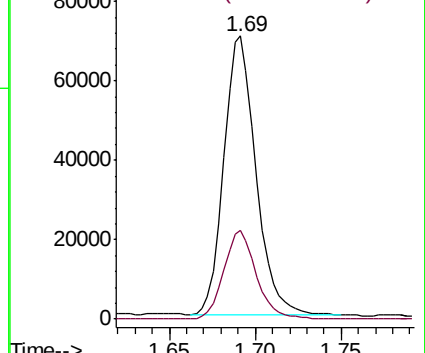
Ion Ratio Lower Upper

64 100

66 31.4 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU033634.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 46.755 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU033662.D

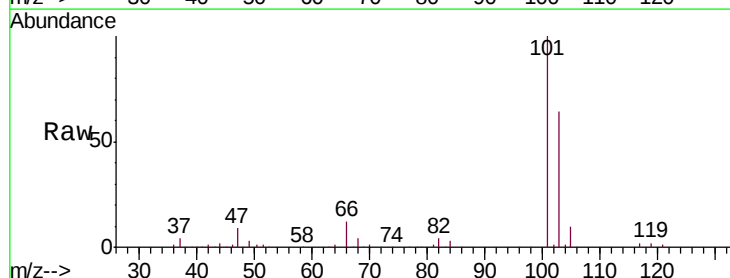
Acq: 09 Aug 2019 01:05

Tgt Ion: 101 Resp: 197006

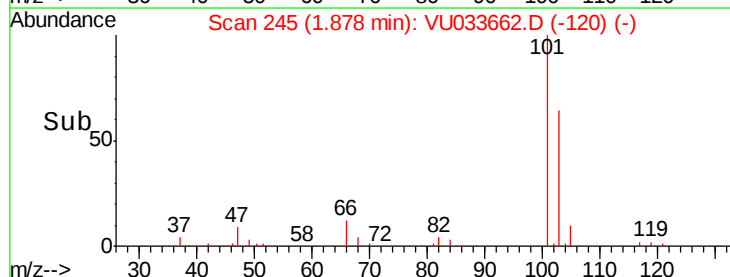
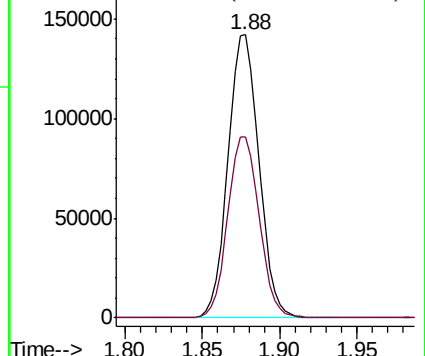
Ion Ratio Lower Upper

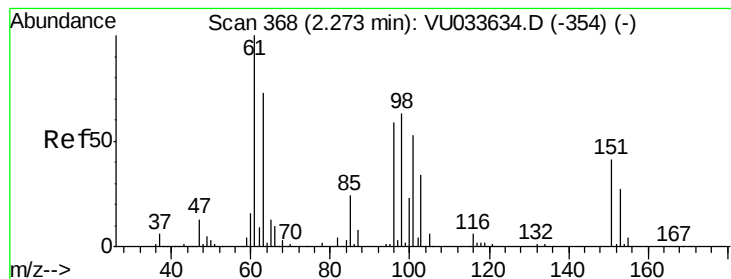
101 100

103 64.8 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU033634.D (-233) (-)





#10

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

Concen: 44.872 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033662.D

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ClientSampleId :

VSTD05054

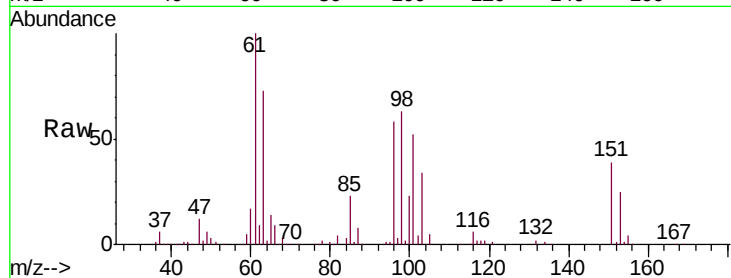
Tgt Ion: 101 Resp: 97206

Ion Ratio Lower Upper

101 100

85 44.7 34.8 52.2

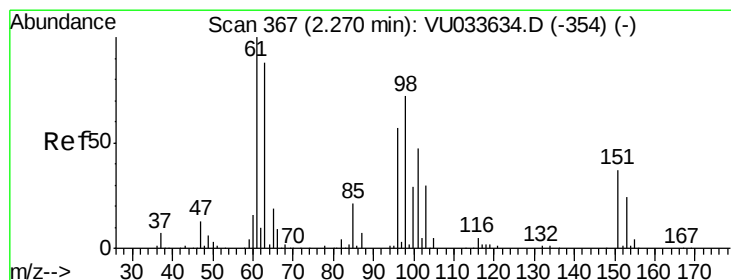
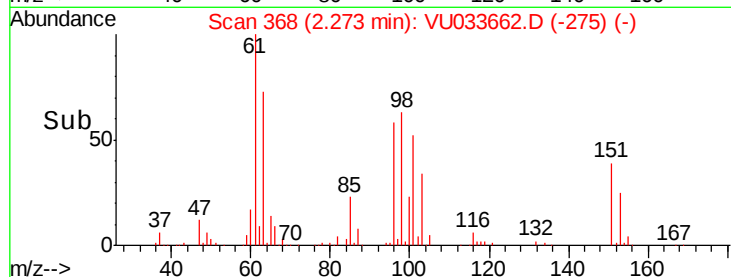
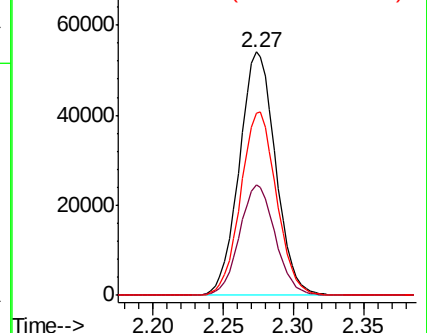
151 74.7 60.4 90.6



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: 45.991 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

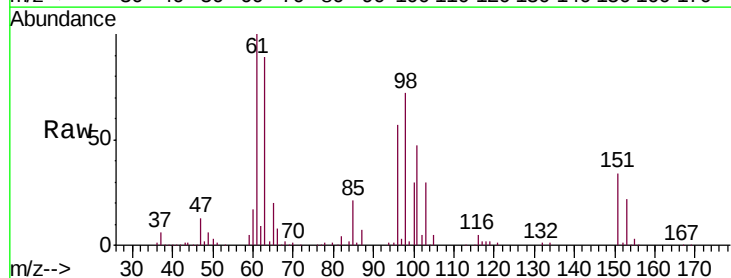
Tgt Ion: 96 Resp: 95135

Ion Ratio Lower Upper

96 100

61 177.0 124.0 230.2

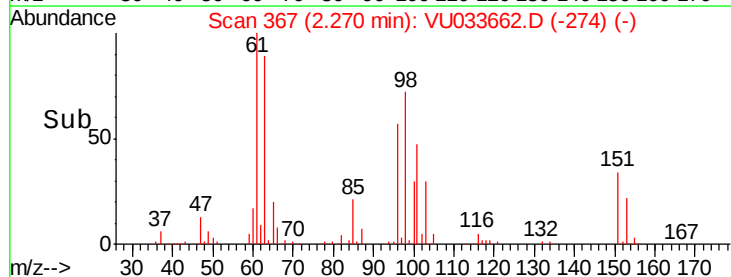
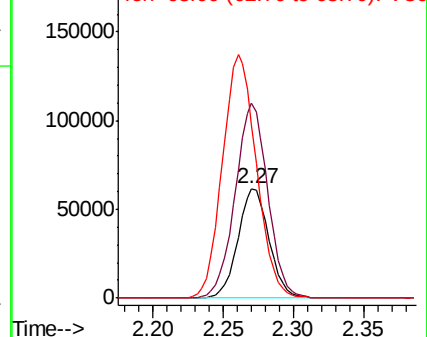
63 157.4 114.9 213.5

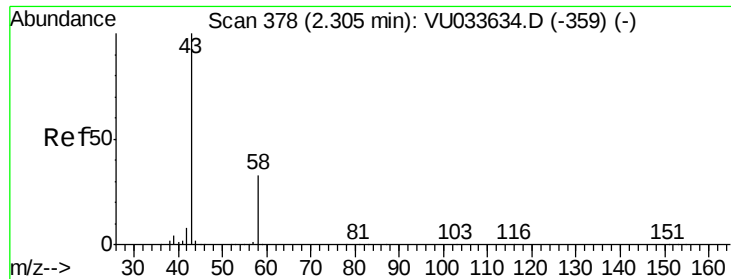


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 77.159 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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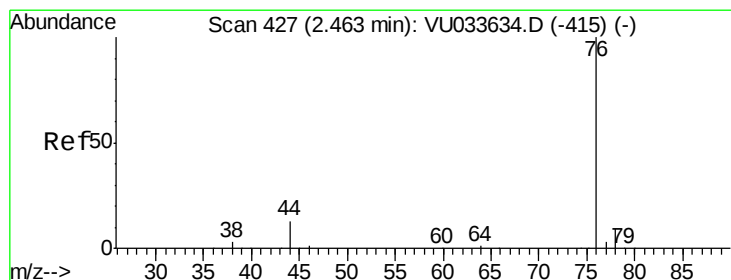
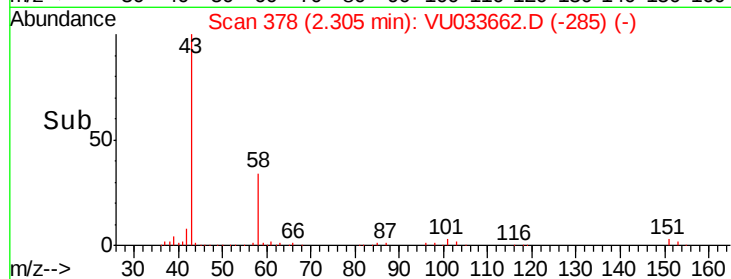
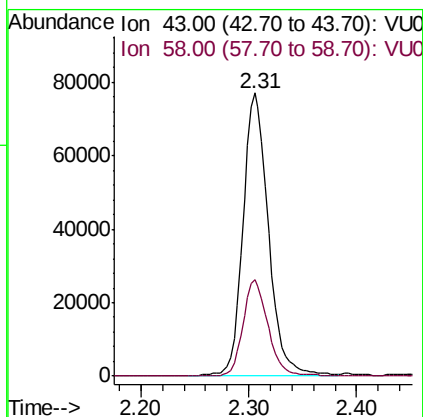
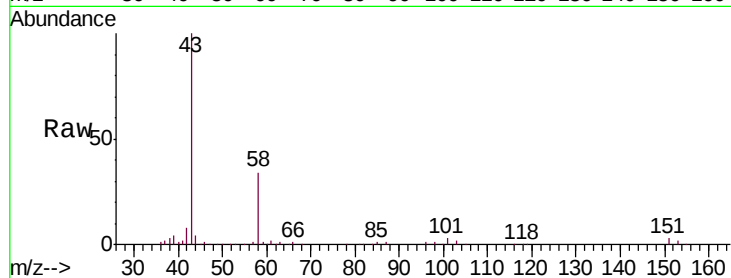
VSTD05054

Tgt Ion: 43 Resp: 126895

Ion Ratio Lower Upper

43 100

58 33.1 0.0 65.0



#14

Carbon disulfide

Concen: 45.769 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

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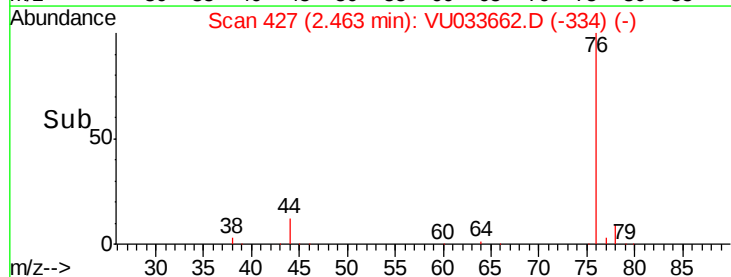
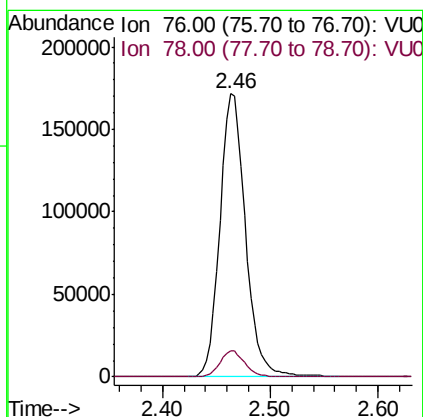
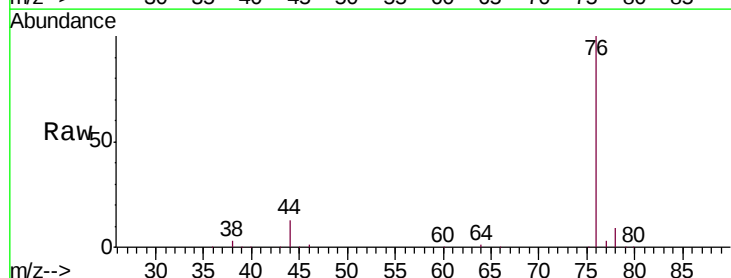
Acq: 09 Aug 2019 01:05

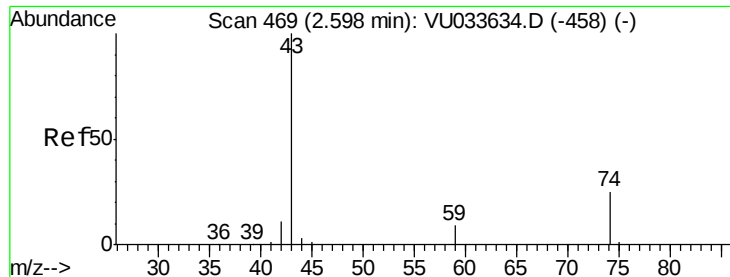
Tgt Ion: 76 Resp: 283411

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

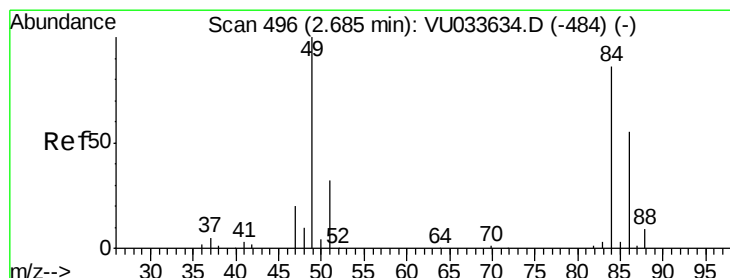
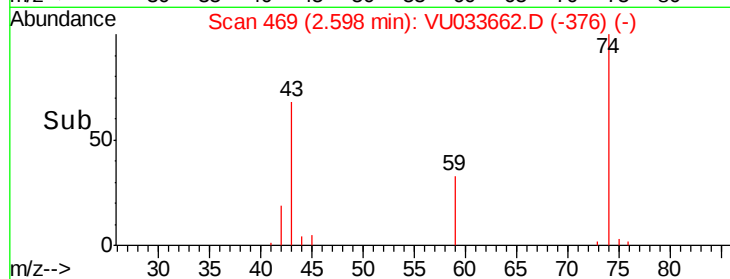
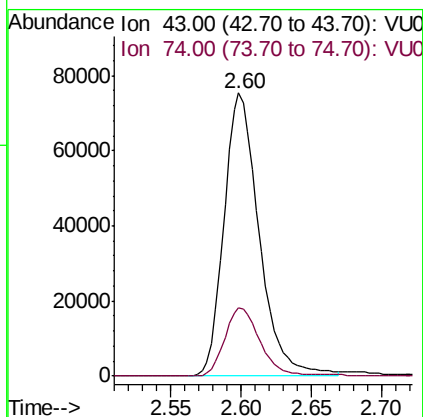
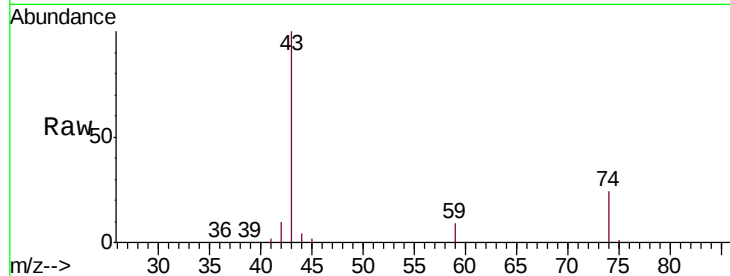




#15
Methyl Acetate
Concen: 48.756 ug/L
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU033662.D
Acq: 09 Aug 2019 01:05

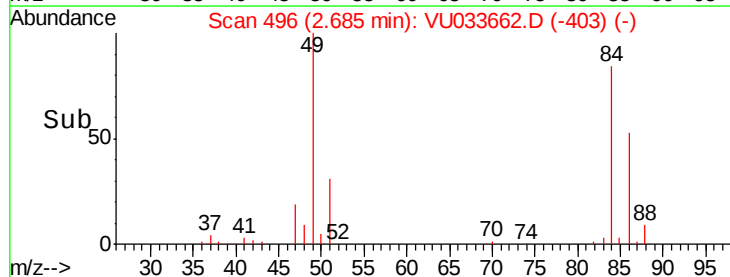
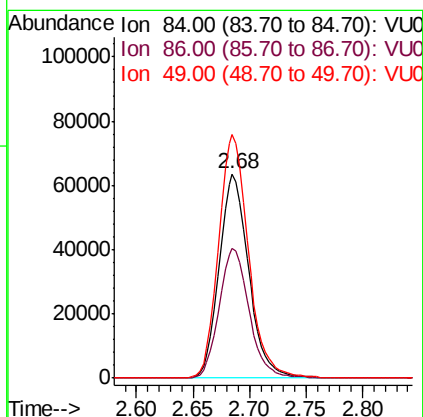
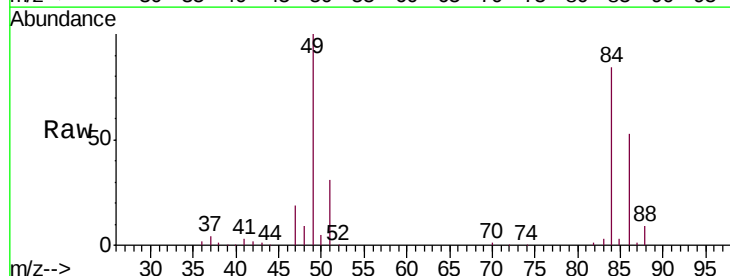
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

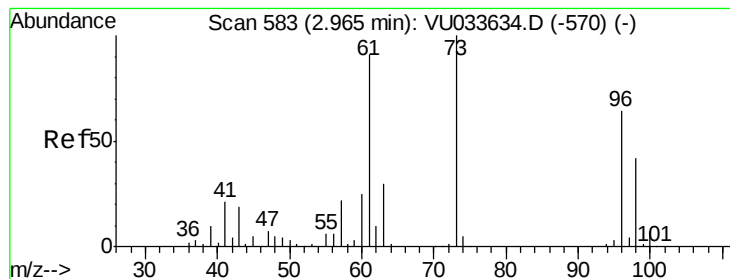
Tgt Ion: 43 Resp: 130724
Ion Ratio Lower Upper
43 100
74 24.1 19.5 29.3



#16
Methylene chloride
Concen: 47.276 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033662.D
Acq: 09 Aug 2019 01:05

Tgt Ion: 84 Resp: 115944
Ion Ratio Lower Upper
84 100
86 63.5 46.0 85.4
49 119.3 84.4 156.8





#17

trans-1,2-Dichloroethene

Concen: 46.718 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

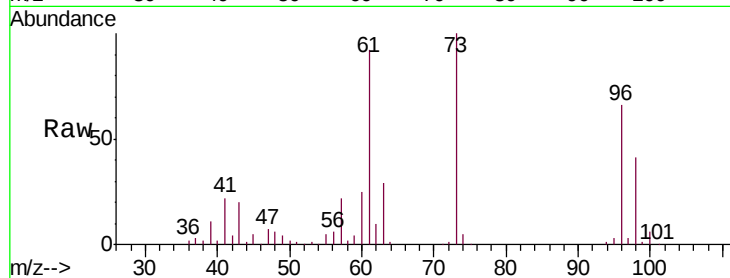
Tgt Ion: 96 Resp: 100694

Ion Ratio Lower Upper

96 100

61 139.9 98.7 183.3

98 62.7 44.6 82.8

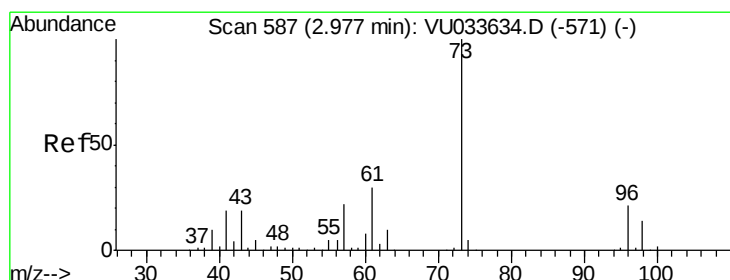
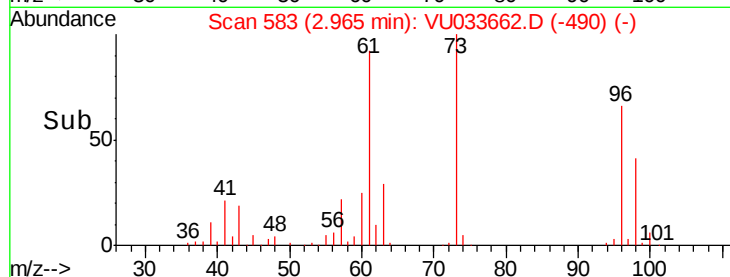
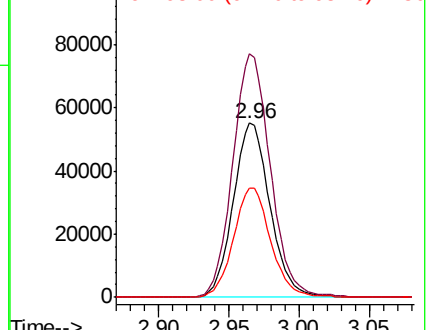


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 47.805 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

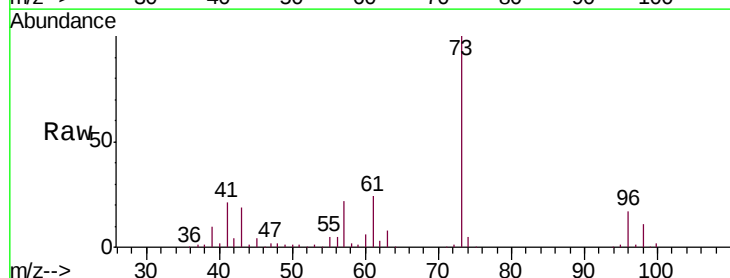
Tgt Ion: 73 Resp: 323632

Ion Ratio Lower Upper

73 100

43 19.4 15.5 23.3

57 22.0 18.0 27.0

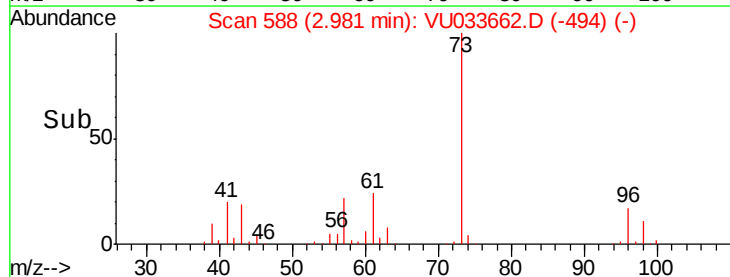
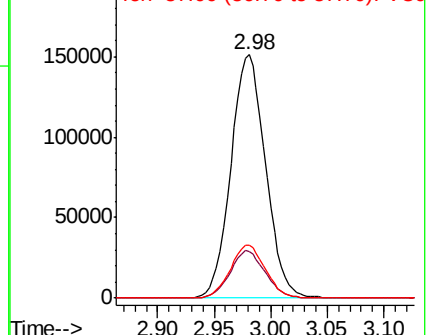


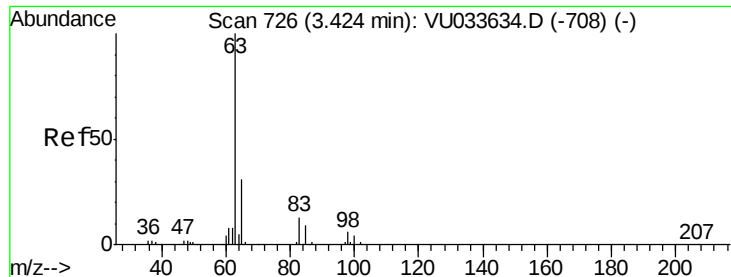
Abundance

Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

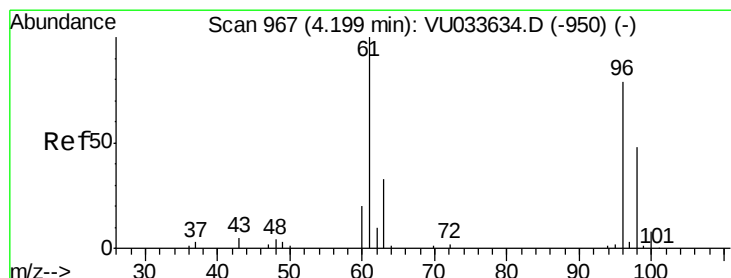
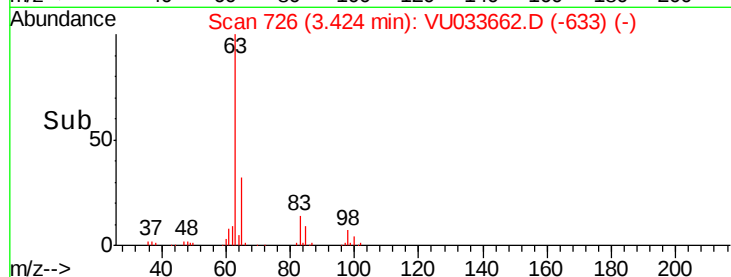
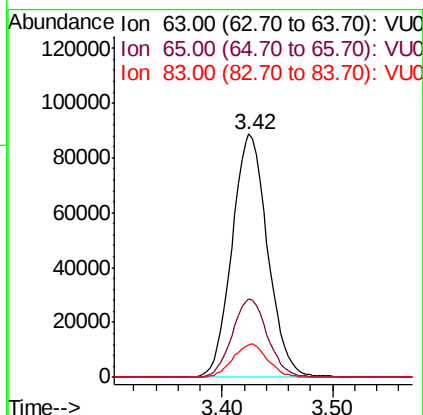
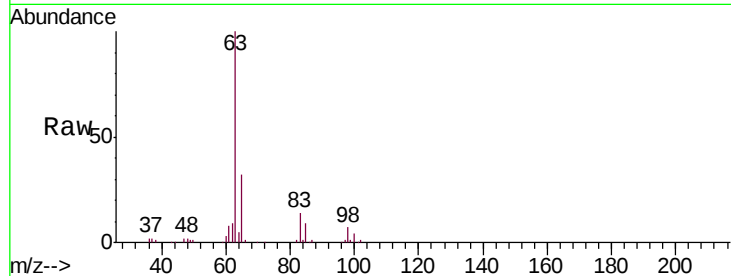




#19
 1,1-Dichloroethane
 Concen: 47.209 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

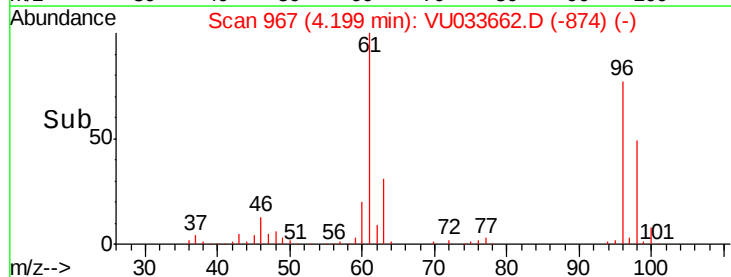
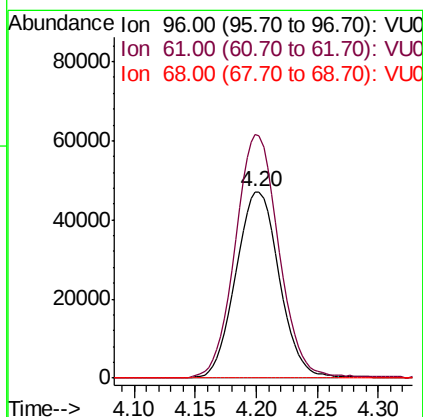
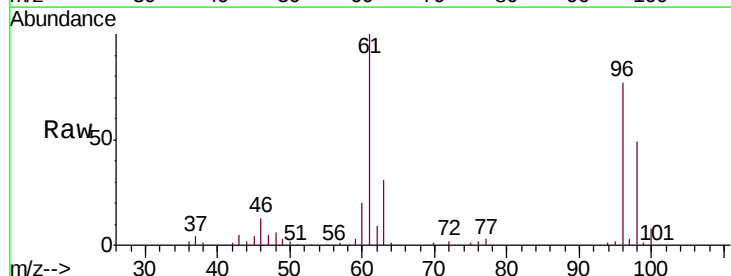
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

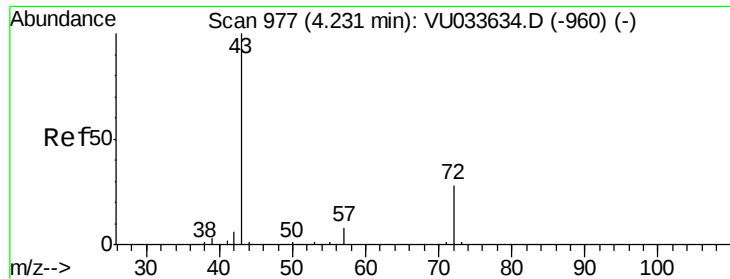
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.5	41.9
83	13.5	9.4	17.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.000 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.5	93.0	172.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 92.033 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

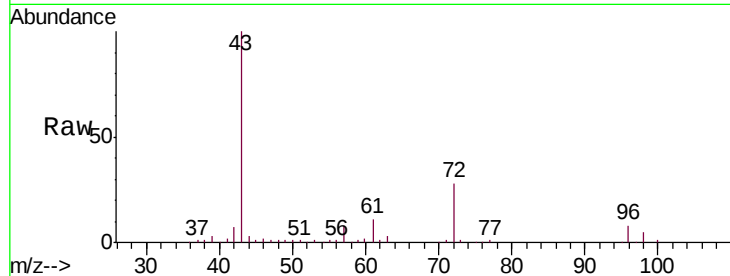
VSTD05054

Tgt Ion: 43 Resp: 190010

Ion Ratio Lower Upper

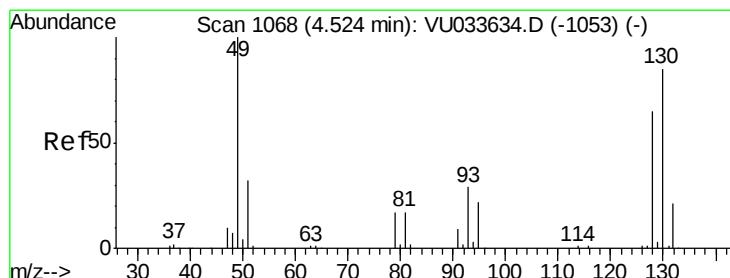
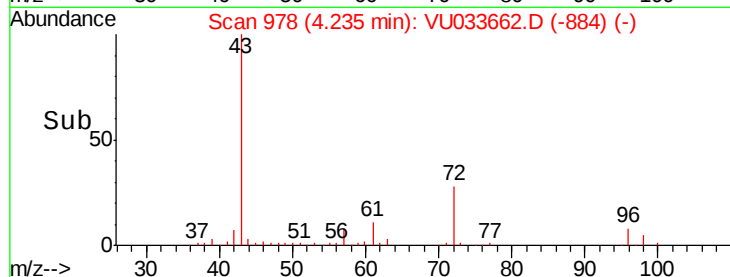
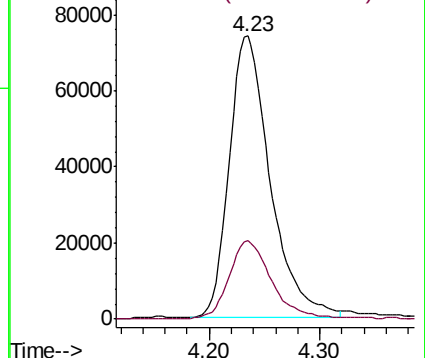
43 100

72 28.9 14.4 43.4



Abundance Ion 43.00 (42.70 to 43.70): VU033662.D (-978) (-)

Ion 72.00 (71.70 to 72.70): VU033662.D (-978) (-)



#23

Bromochloromethane

Concen: 47.370 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Tgt Ion: 128 Resp: 60799

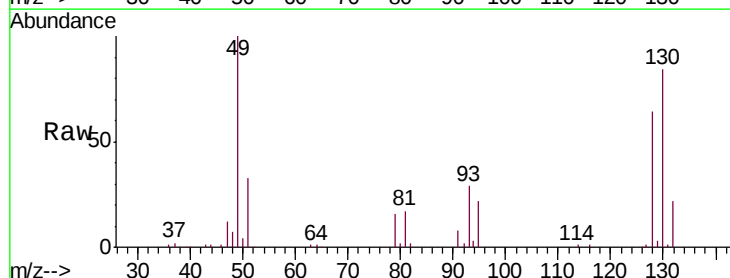
Ion Ratio Lower Upper

128 100

49 156.5 109.8 204.0

130 131.1 93.0 172.8

51 51.5 39.8 59.8

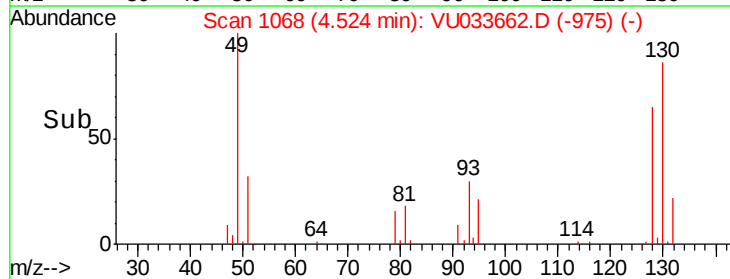
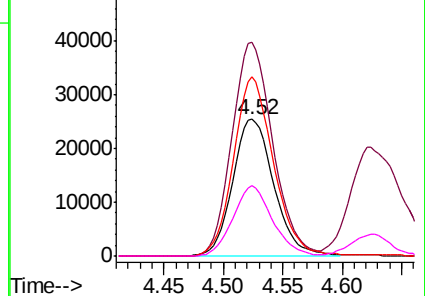


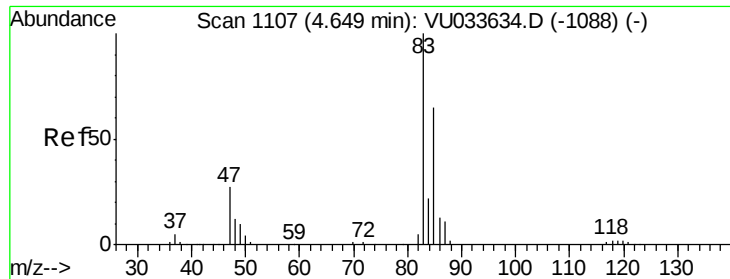
Abundance Ion 128.00 (127.70 to 128.70): VU033662.D (-1068) (-)

Ion 49.00 (48.70 to 49.70): VU033662.D (-1068) (-)

Ion 130.00 (129.70 to 130.70): VU033662.D (-1068) (-)

Ion 51.00 (50.70 to 51.70): VU033662.D (-1068) (-)

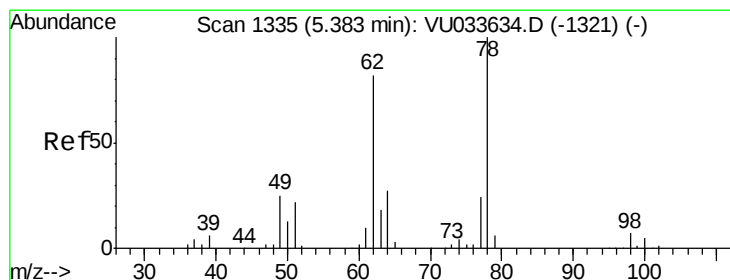
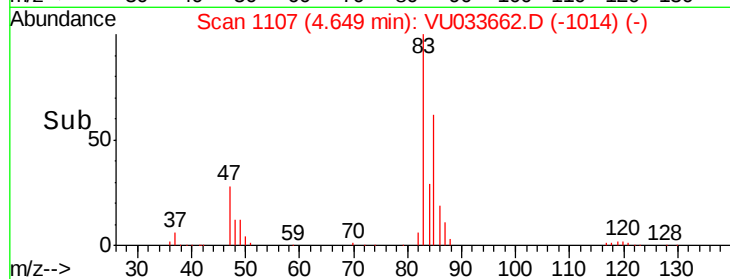
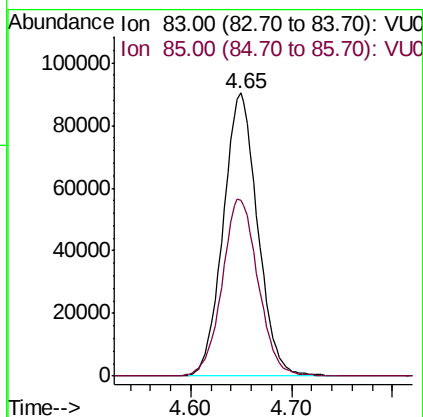
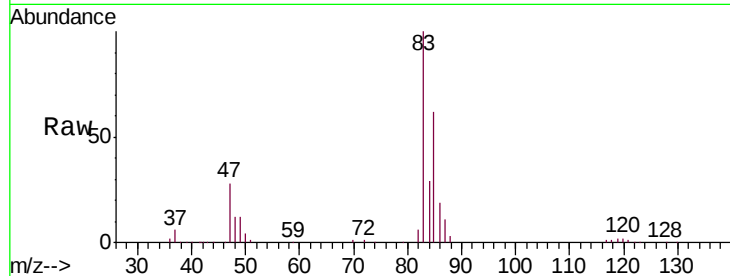




#25
Chloroform
Concen: 48.642 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033662.D
Acq: 09 Aug 2019 01:05

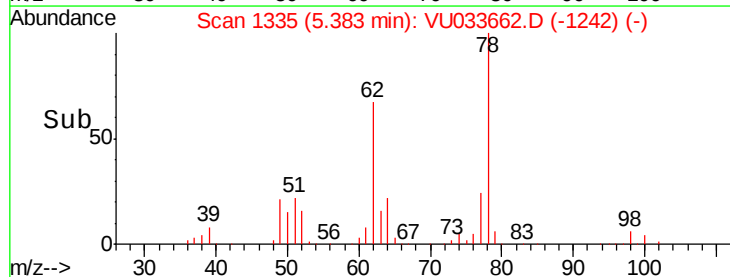
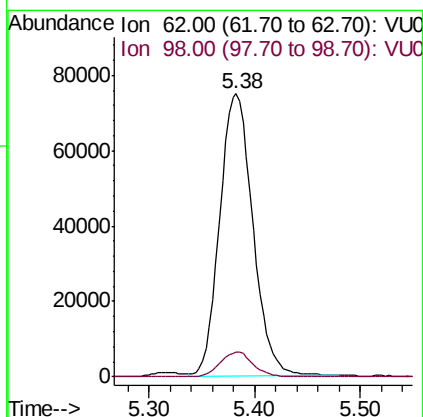
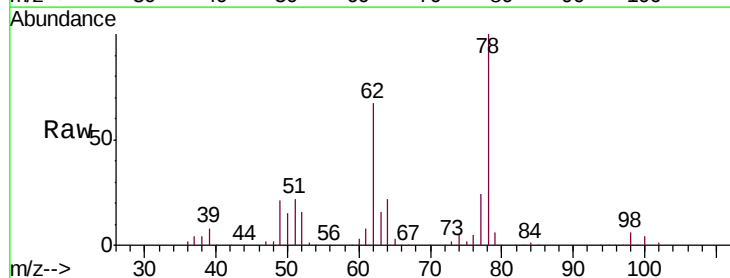
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

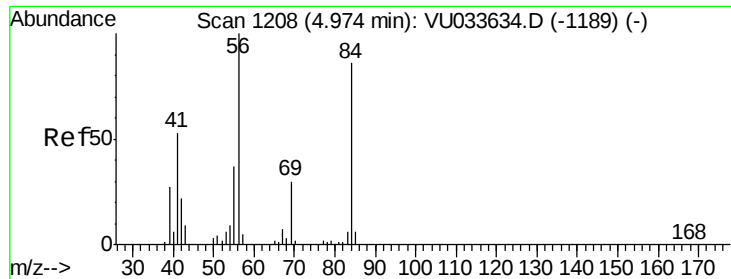
Tgt Ion: 83 Resp: 214249
Ion Ratio Lower Upper
83 100
85 62.3 47.2 87.6



#27
1,2-Dichloroethane
Concen: 47.913 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033662.D
Acq: 09 Aug 2019 01:05

Tgt Ion: 62 Resp: 163580
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.2

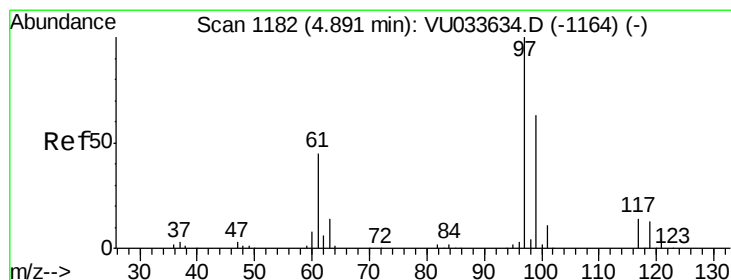
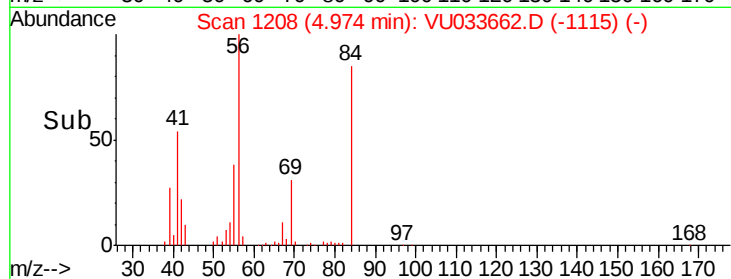
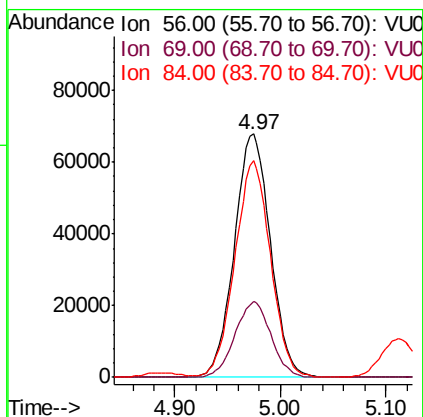
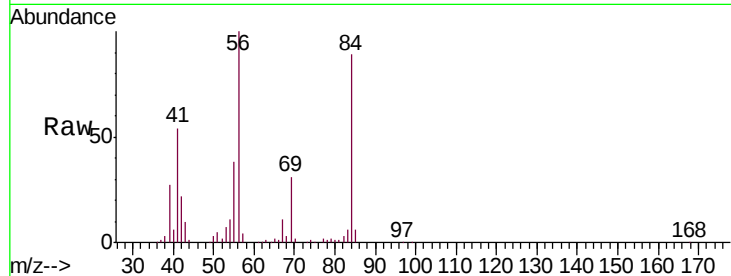




#29
Cyclohexane
Concen: 47.366 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU033662.D
Acq: 09 Aug 2019 01:05

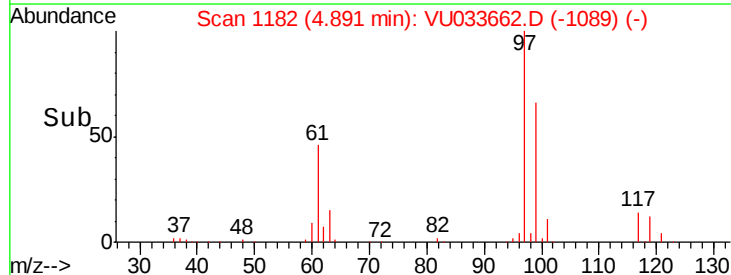
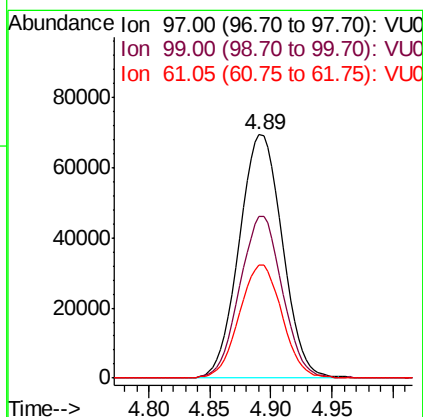
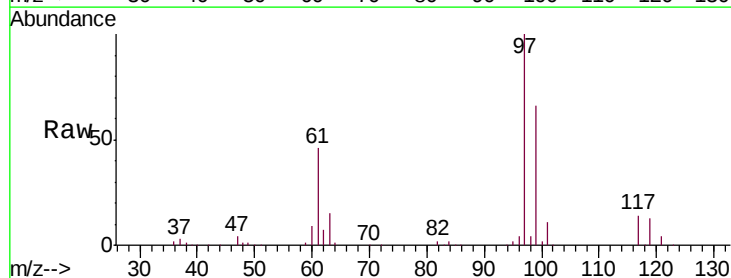
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

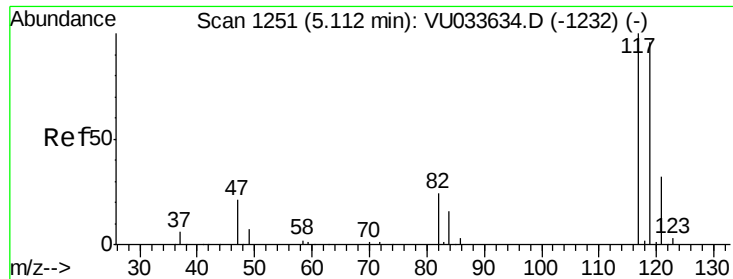
Tgt Ion: 56 Resp: 161070
Ion Ratio Lower Upper
56 100
69 31.0 25.2 37.8
84 87.2 70.2 105.2



#30
1,1,1-Trichloroethane
Concen: 46.171 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033662.D
Acq: 09 Aug 2019 01:05

Tgt Ion: 97 Resp: 170603
Ion Ratio Lower Upper
97 100
99 65.3 51.4 77.2
61 45.9 36.2 54.4





#31

Carbon tetrachloride

Concen: 46.681 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

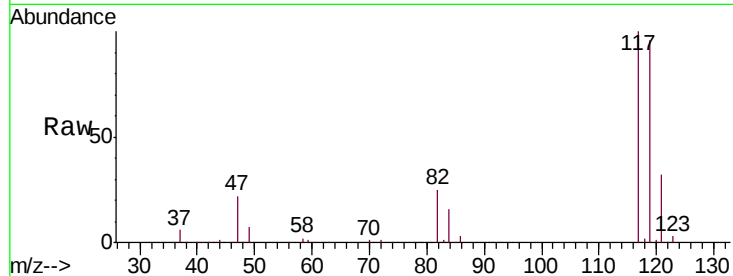
VSTD05054

Tgt Ion:117 Resp: 152559

Ion Ratio Lower Upper

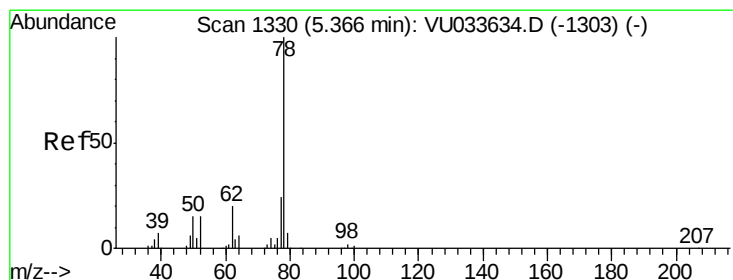
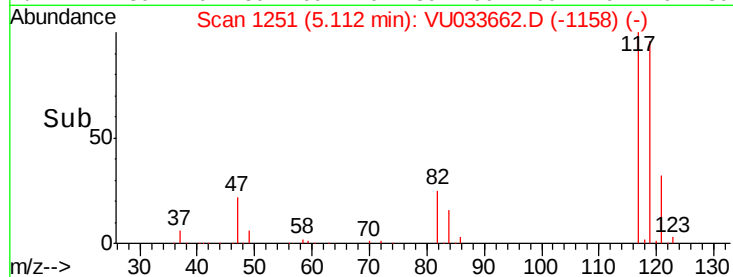
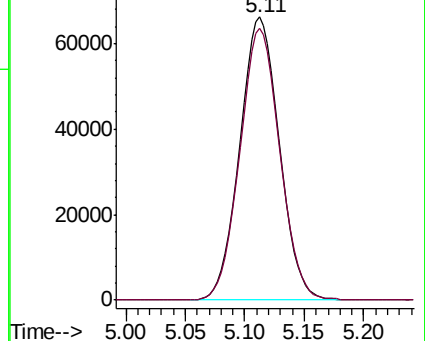
117 100

119 96.8 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.778 ug/L

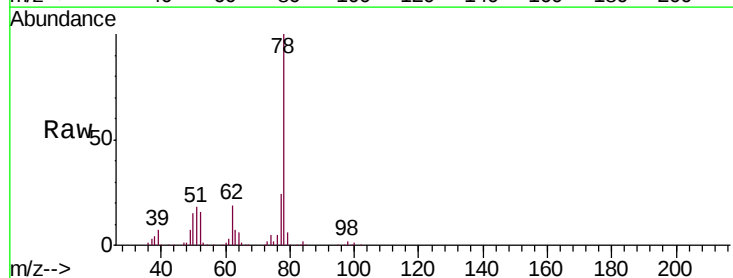
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

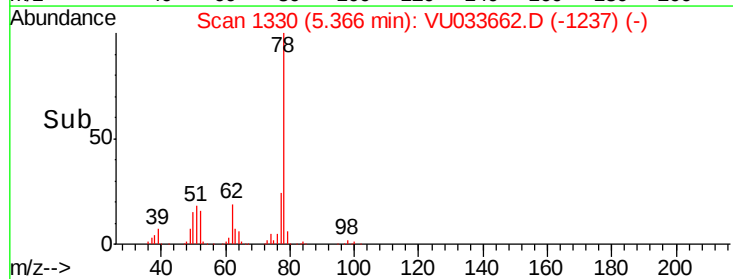
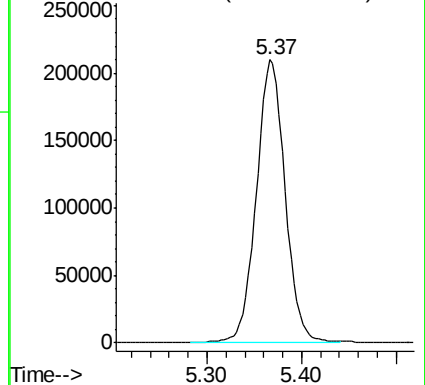
Lab File: VU033662.D

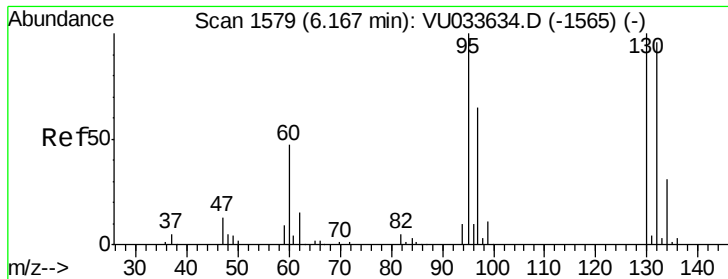
Acq: 09 Aug 2019 01:05

Tgt Ion: 78 Resp: 443931



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 46.997 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

Tgt Ion: 95 Resp: 112007

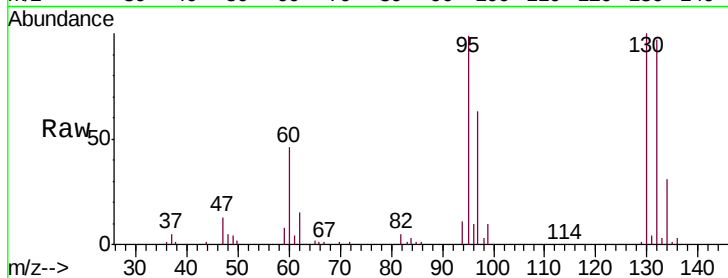
Ion Ratio Lower Upper

95 100

97 64.2 44.4 82.5

132 98.7 69.1 128.3

130 101.3 71.7 133.3



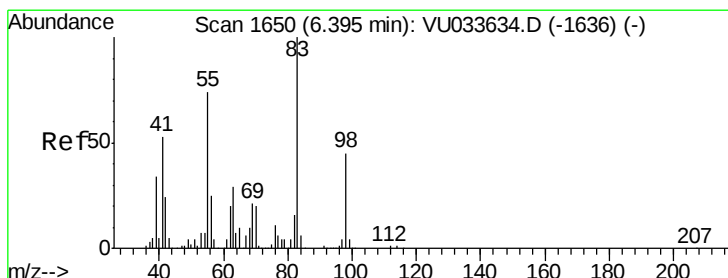
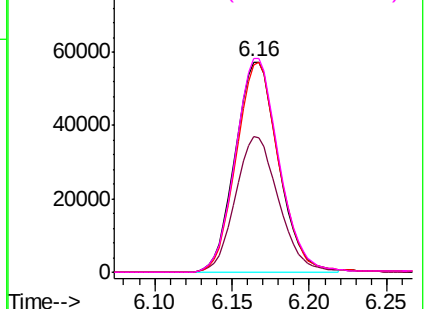
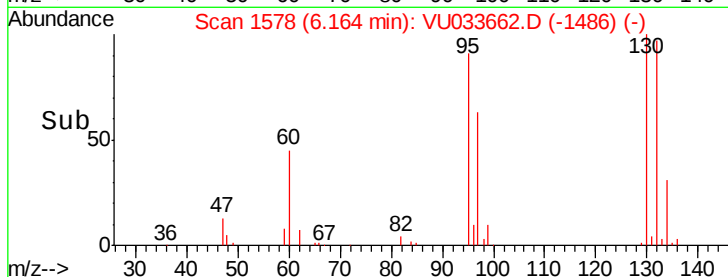
Abundance

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: 46.778 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

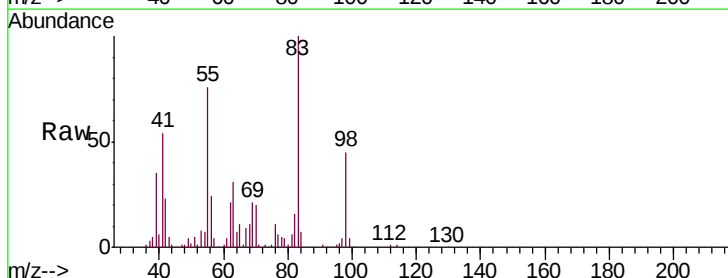
Tgt Ion: 83 Resp: 170743

Ion Ratio Lower Upper

83 100

55 77.0 61.3 91.9

98 46.0 36.7 55.1

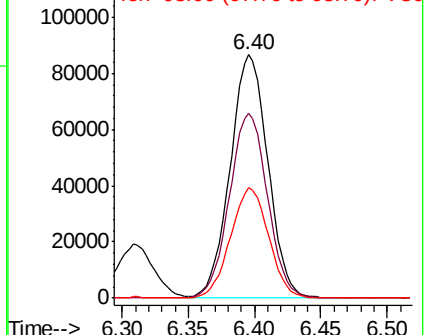
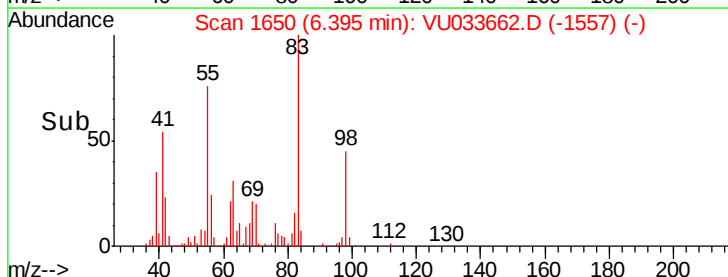


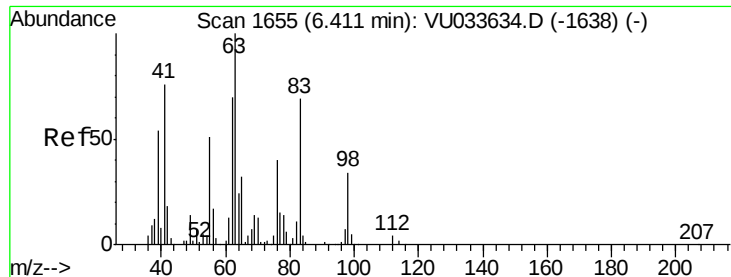
Abundance

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

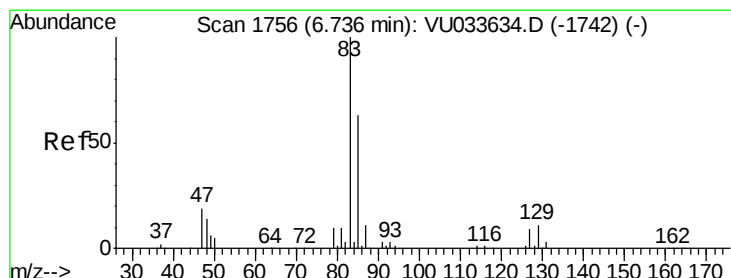
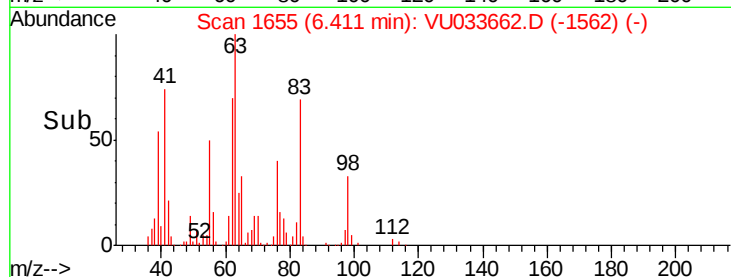
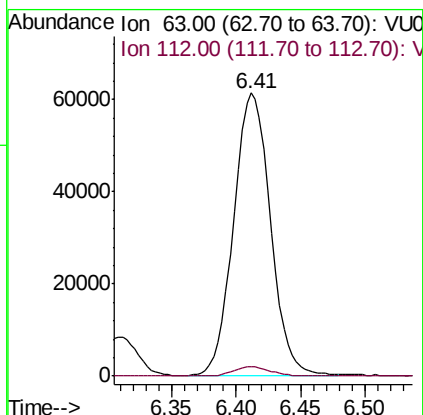
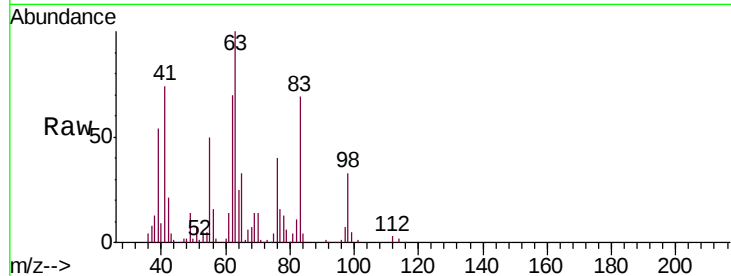




#37
 1,2-Dichloropropane
 Concen: 48.433 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

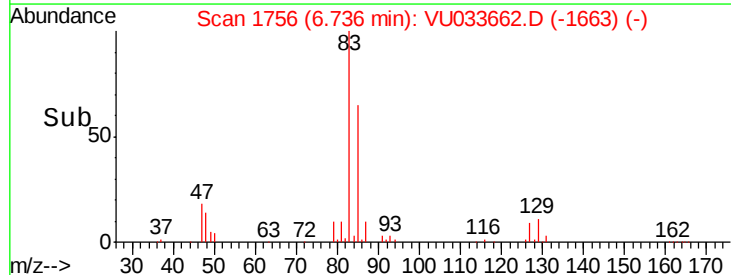
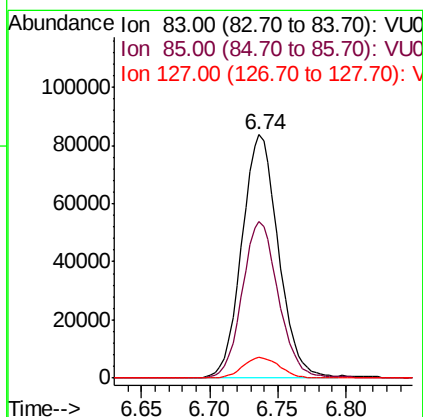
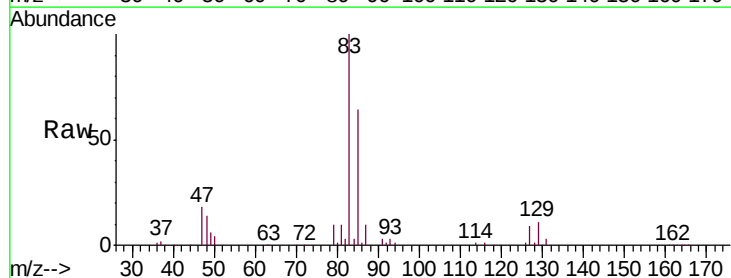
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

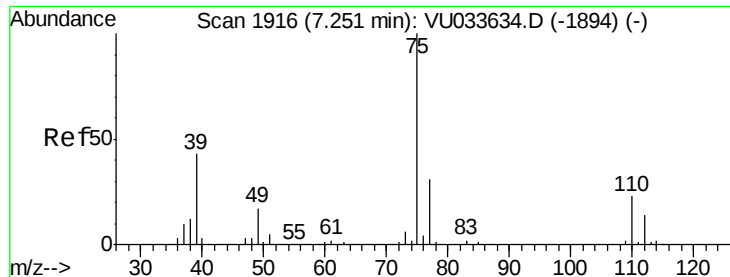
Tgt Ion: 63 Resp: 121628
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.6



#38
 Bromodichloromethane
 Concen: 47.884 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

Tgt Ion: 83 Resp: 155553
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.6 84.6
 127 8.5 7.0 10.4

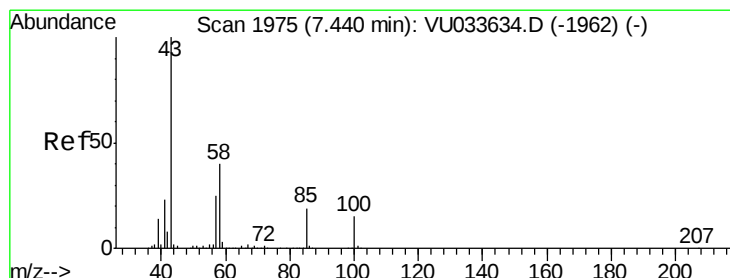
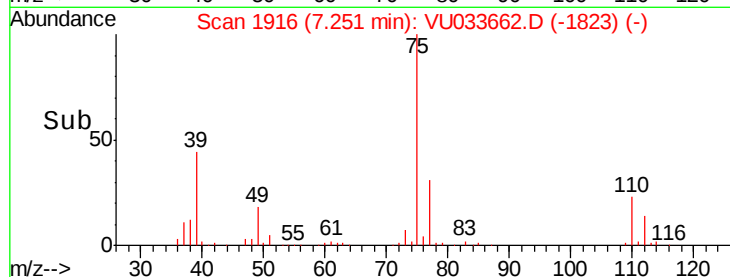
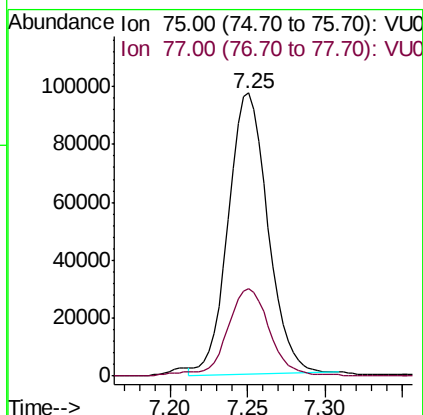
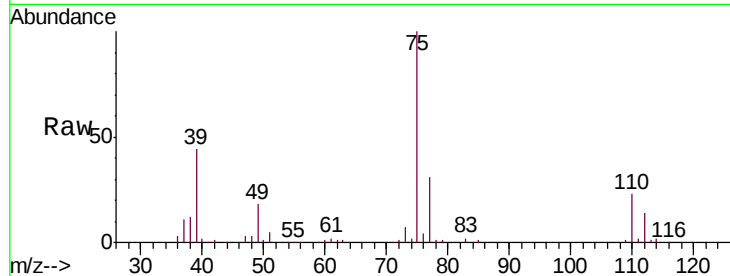




#39
 cis-1,3-Dichloropropene
 Concen: 46.147 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

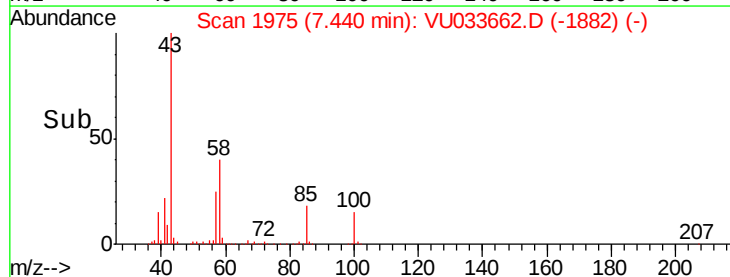
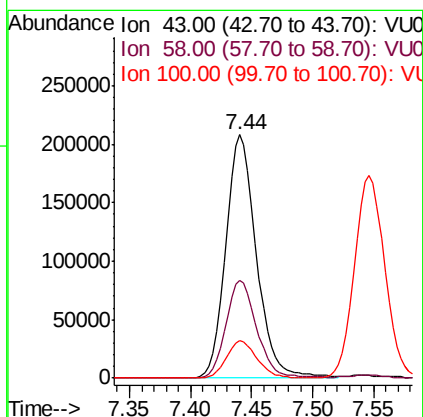
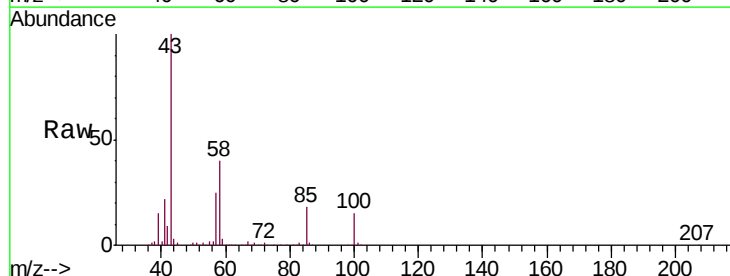
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

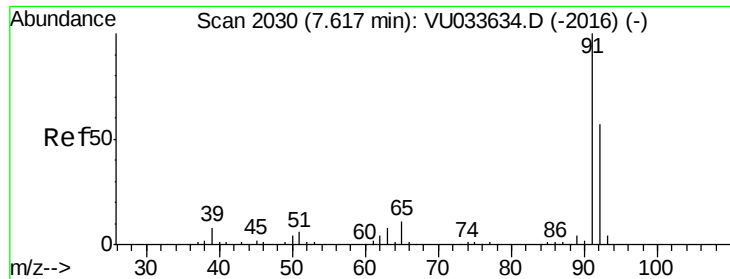
Tgt Ion: 75 Resp: 172503
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 100.587 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

Tgt Ion: 43 Resp: 366451
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.7 49.1
 100 15.3 12.2 18.4





#42

Toluene

Concen: 48.517 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

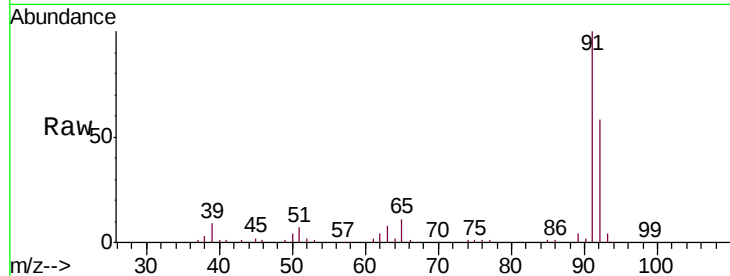
VSTD05054

Tgt Ion: 91 Resp: 483444

Ion Ratio Lower Upper

91 100

92 57.8 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VU033634.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033634.D (-2016) (-)

7.62

300000

250000

200000

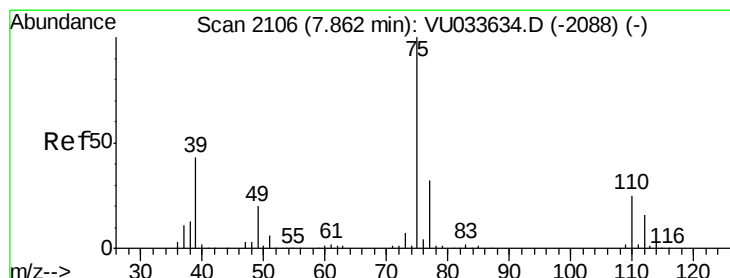
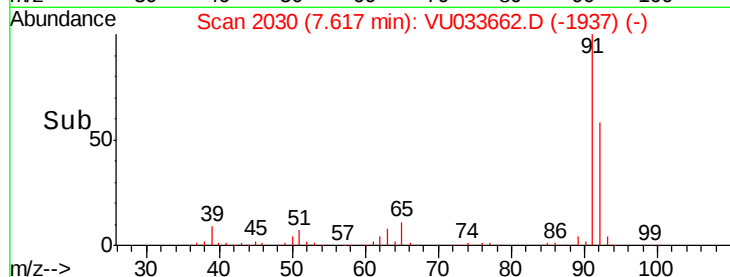
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.601 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033662.D

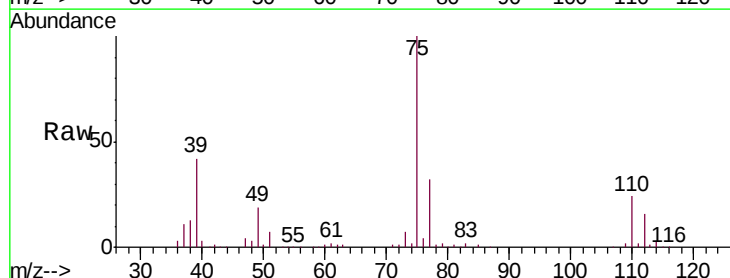
Acq: 09 Aug 2019 01:05

Tgt Ion: 75 Resp: 163961

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU033634.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033634.D (-2088) (-)

7.86

100000

80000

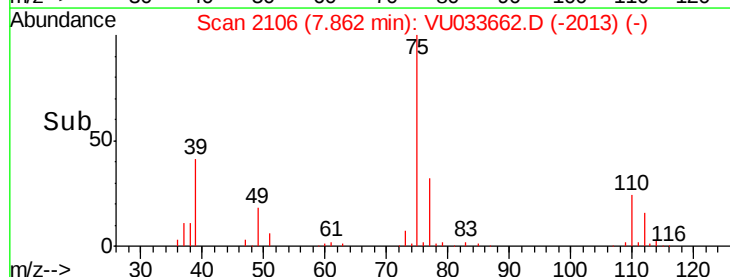
60000

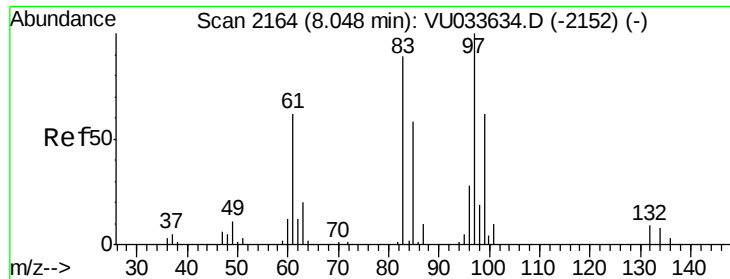
40000

20000

0

Time-->

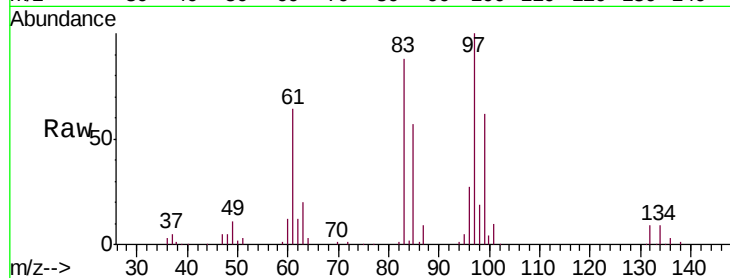




#45
 1,1,2-Trichloroethane
 Concen: 47.172 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion:	97	Resp:	112895
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.0	81.6
83	87.8	60.6	112.6
85	57.1	39.9	74.1



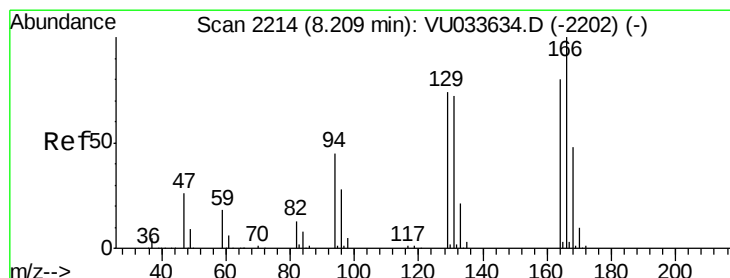
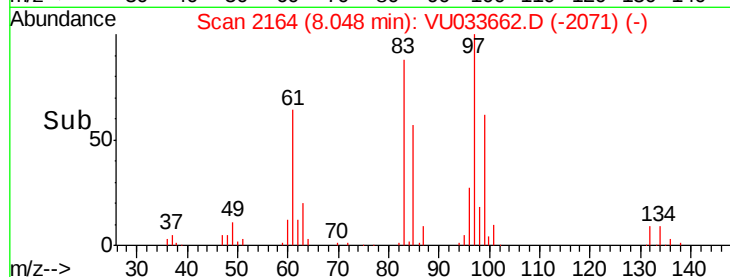
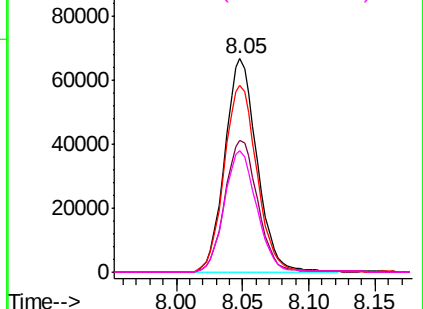
Abundance

Ion 97.00 (96.70 to 97.70): VU033662.D (-2152) (-)

Ion 99.00 (98.70 to 99.70): VU033662.D (-2152) (-)

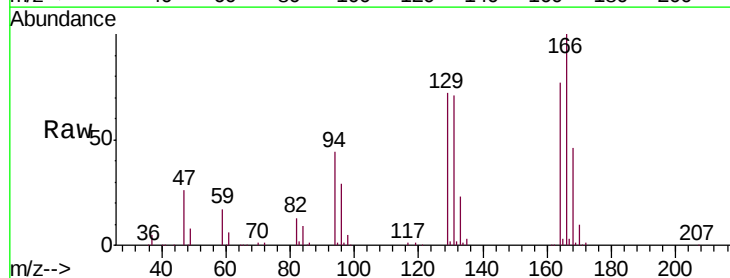
Ion 83.00 (82.70 to 83.70): VU033662.D (-2152) (-)

Ion 85.00 (84.70 to 85.70): VU033662.D (-2152) (-)



#46
 Tetrachloroethene
 Concen: 47.263 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

Tgt Ion:	164	Resp:	91382
Ion	Ratio	Lower	Upper
164	100		
129	93.2	68.1	126.5
131	91.4	65.5	121.6
166	129.2	88.5	164.3



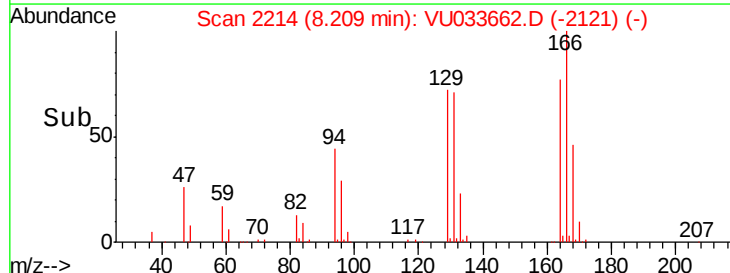
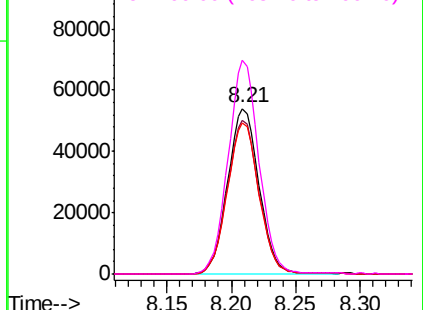
Abundance

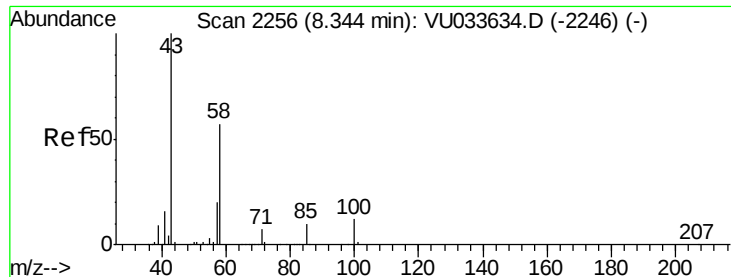
Ion 164.00 (163.70 to 164.70): VU033662.D (-2211) (-)

Ion 129.00 (128.70 to 129.70): VU033662.D (-2211) (-)

Ion 131.00 (130.70 to 131.70): VU033662.D (-2211) (-)

Ion 166.00 (165.70 to 166.70): VU033662.D (-2211) (-)

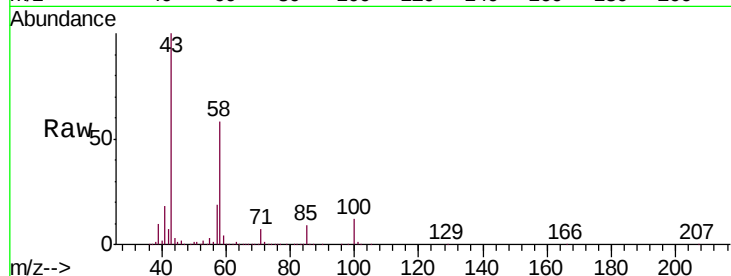




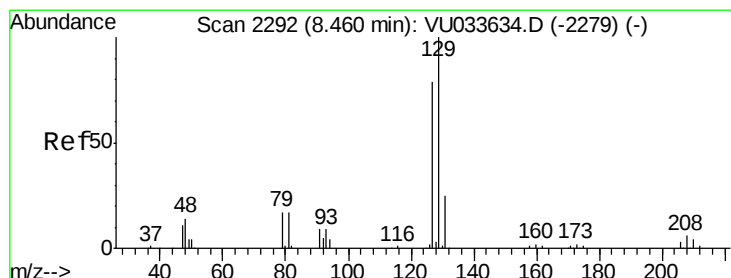
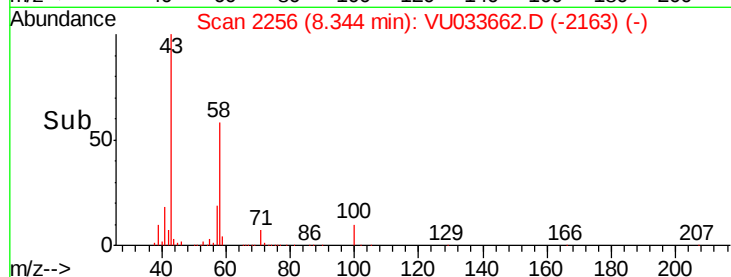
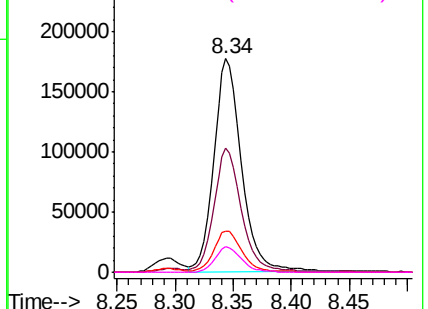
#48
2-Hexanone
Concen: 98.084 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033662.D
Acq: 09 Aug 2019 01:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion:	43	Resp:	294601
Ion	Ratio	Lower	Upper
43	100		
58	57.7	44.8	67.2
57	19.3	15.5	23.3
100	11.7	9.4	14.2

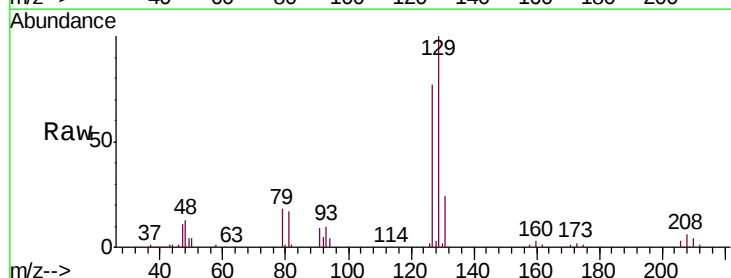


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

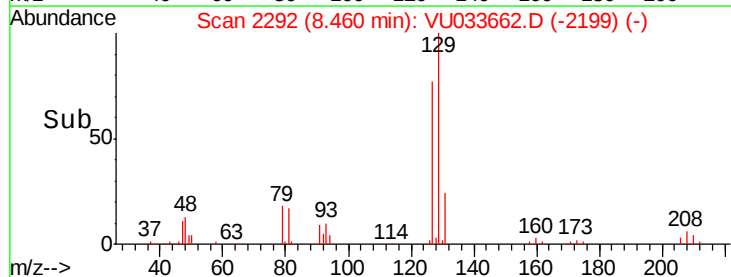
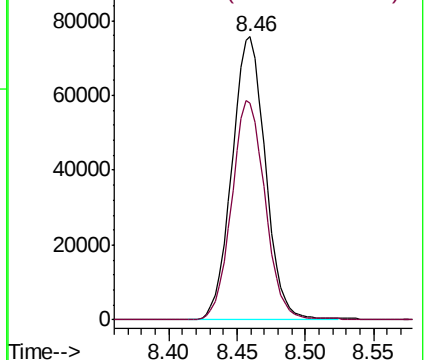


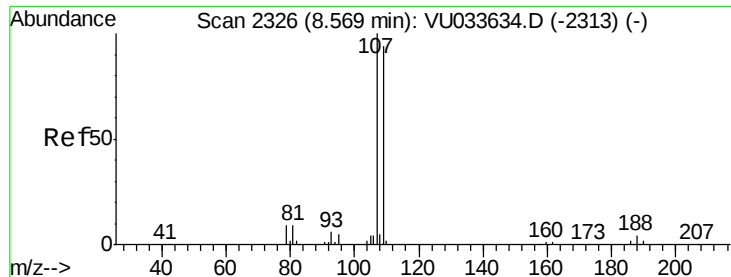
#49
Dibromochloromethane
Concen: 47.374 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033662.D
Acq: 09 Aug 2019 01:05

Tgt Ion:	129	Resp:	129189
Ion	Ratio	Lower	Upper
129	100		
127	76.7	52.5	97.5



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

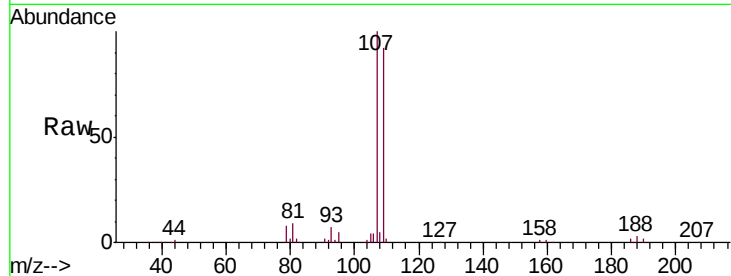




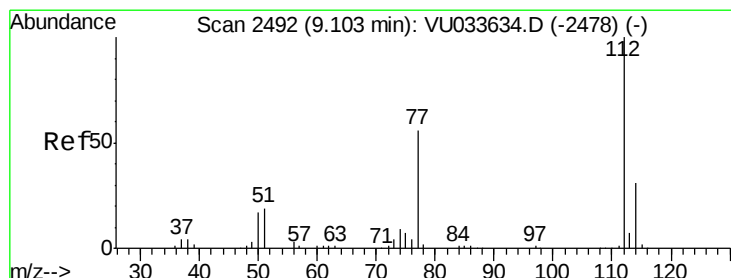
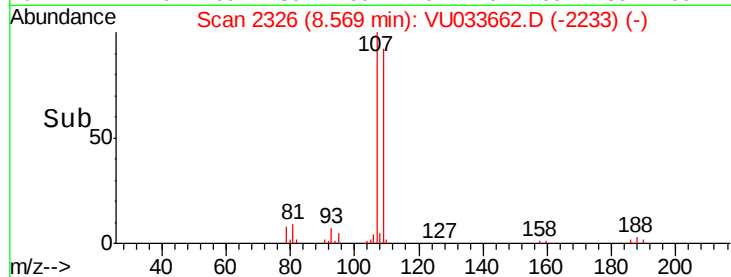
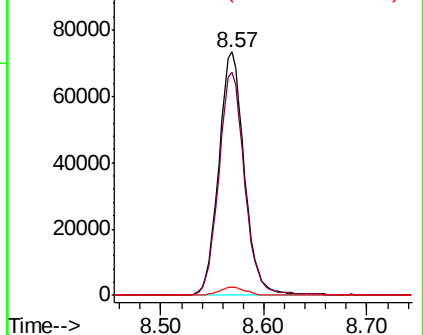
#50
1,2-Dibromoethane
Concen: 48.844 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033662.D
Acq: 09 Aug 2019 01:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion:107 Resp: 126830
Ion Ratio Lower Upper
107 100
109 91.8 65.4 121.4
188 3.4 2.6 4.0

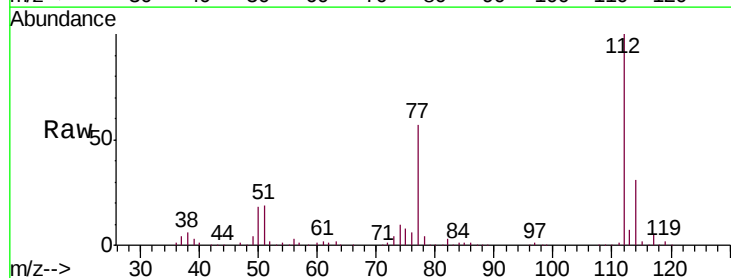


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

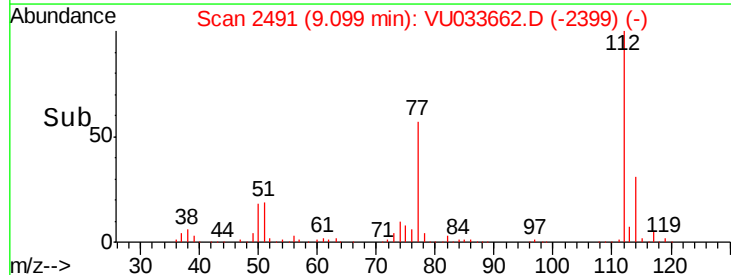
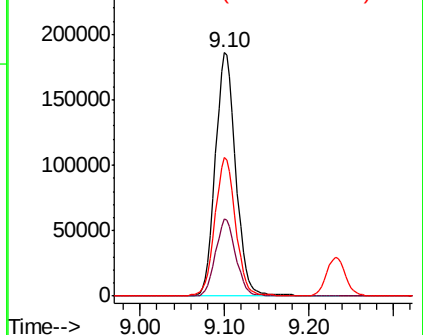


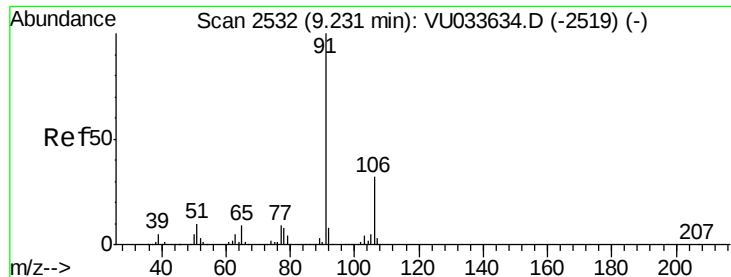
#51
Chlorobenzene
Concen: 48.012 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033662.D
Acq: 09 Aug 2019 01:05

Tgt Ion:112 Resp: 312888
Ion Ratio Lower Upper
112 100
114 31.5 22.7 42.1
77 56.7 47.2 70.8



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: 48.908 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

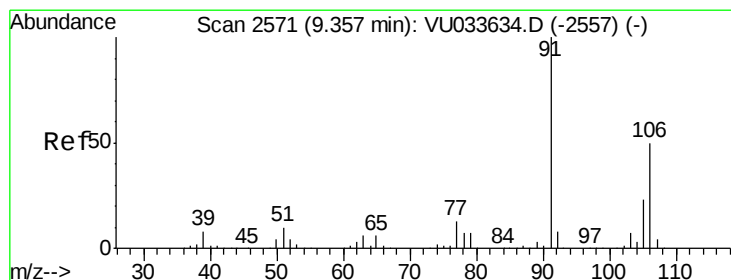
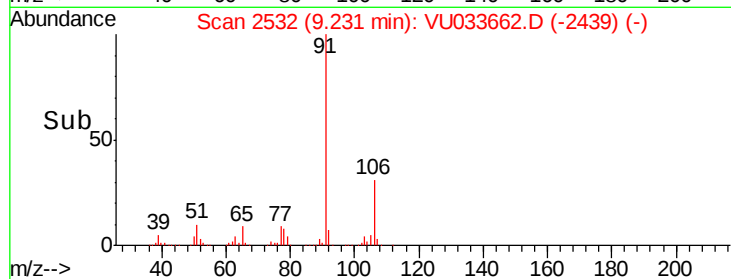
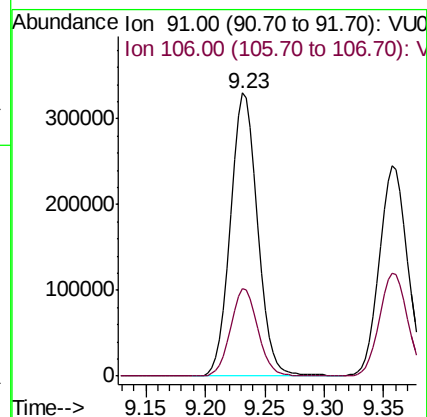
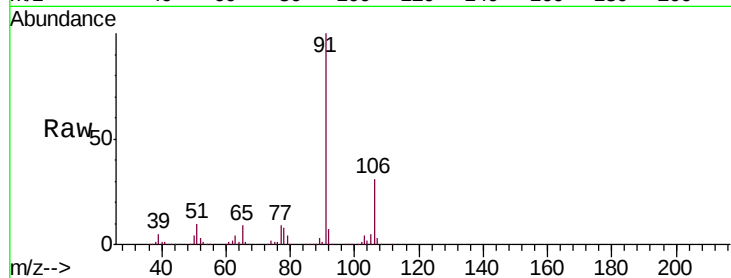
VSTD05054

Tgt Ion: 91 Resp: 523569

Ion Ratio Lower Upper

91 100

106 31.0 21.9 40.7



#53

m,p-Xylene

Concen: 49.401 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033662.D

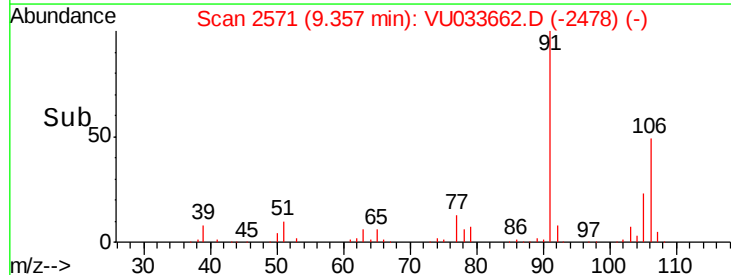
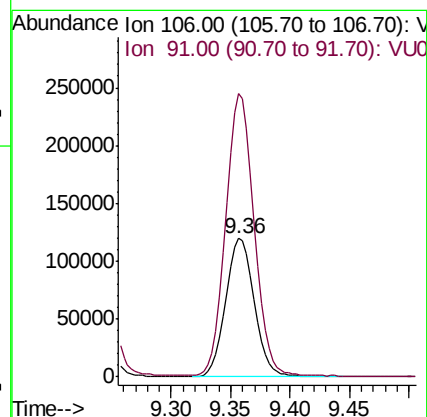
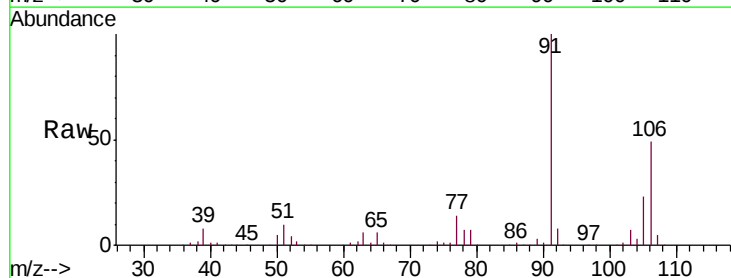
Acq: 09 Aug 2019 01:05

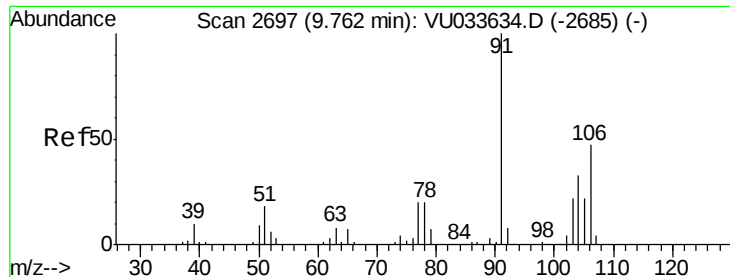
Tgt Ion: 106 Resp: 200410

Ion Ratio Lower Upper

106 100

91 204.3 138.5 257.3





#54

o-xylene

Concen: 49.446 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

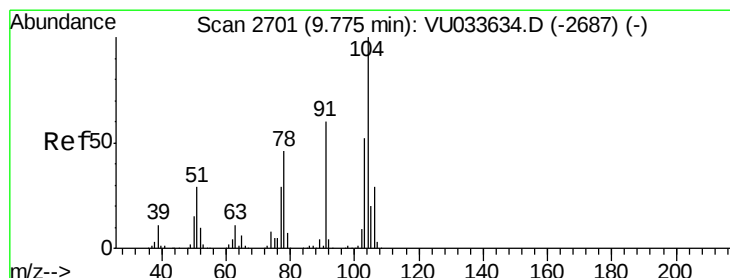
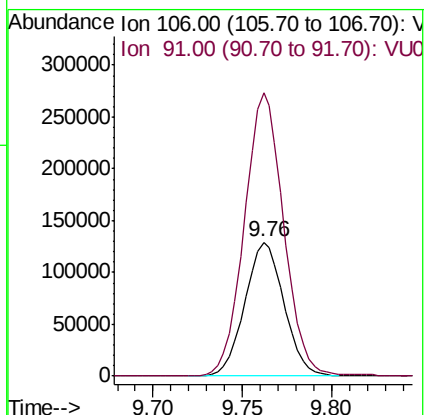
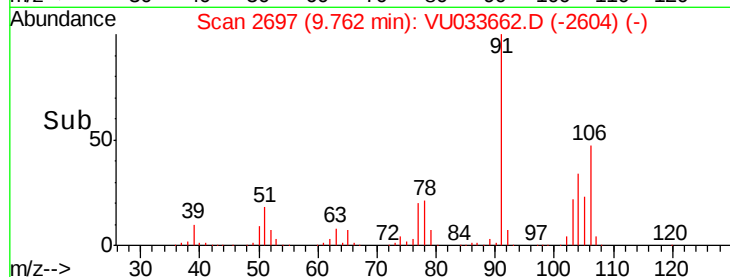
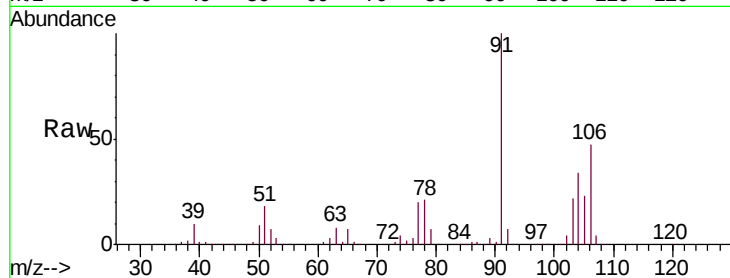
VSTD05054

Tgt Ion:106 Resp: 198840

Ion Ratio Lower Upper

106 100

91 211.8 152.1 282.5



#55

Styrene

Concen: 50.232 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033662.D

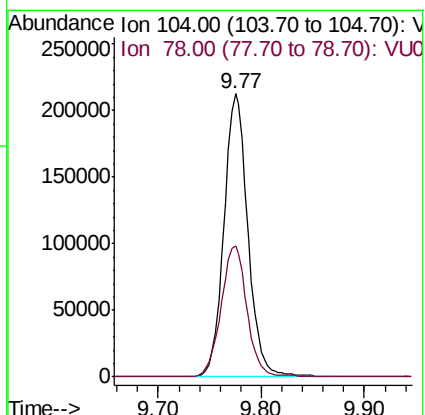
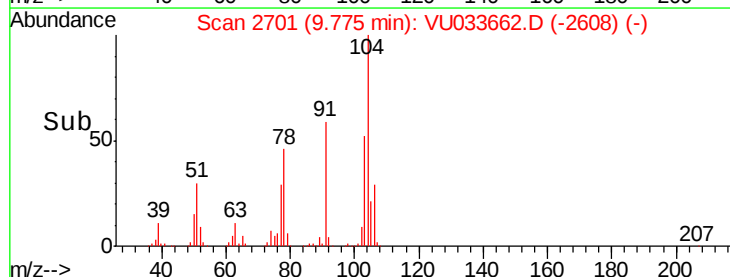
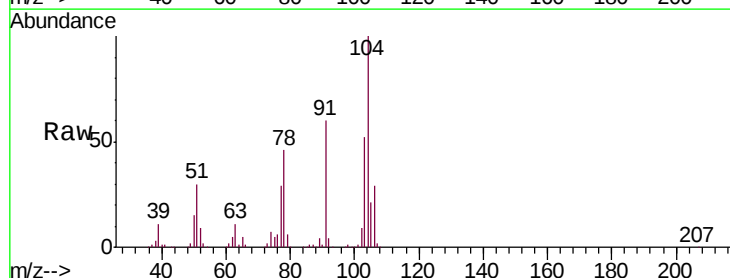
Acq: 09 Aug 2019 01:05

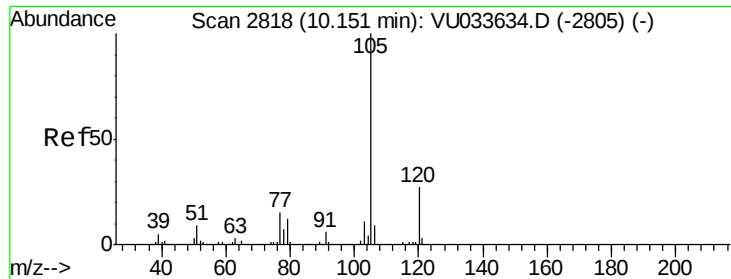
Tgt Ion:104 Resp: 343700

Ion Ratio Lower Upper

104 100

78 46.4 32.3 60.1





#56

Isopropylbenzene

Concen: 48.934 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

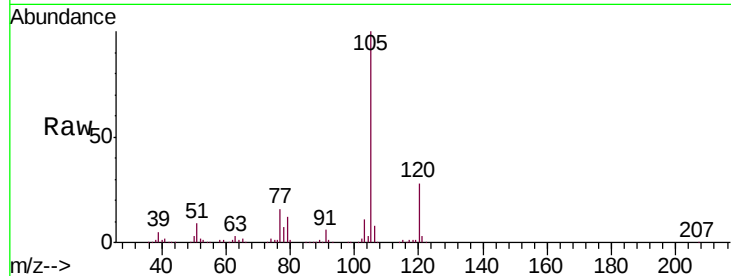
Tgt Ion: 105 Resp: 506817

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

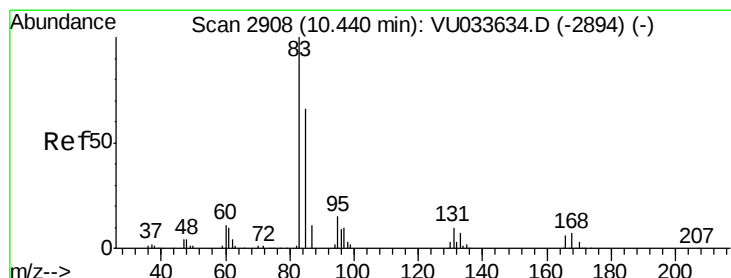
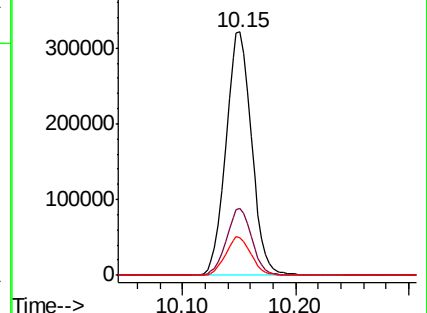
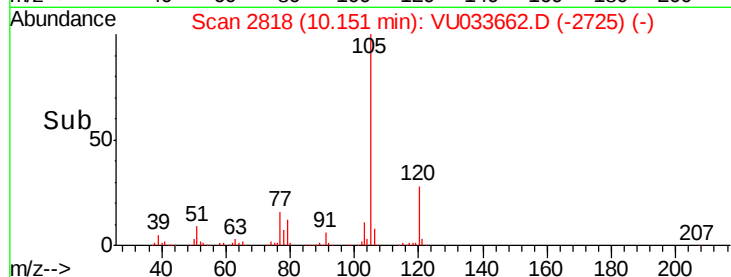
77 15.7 12.4 18.6



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: 47.340 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

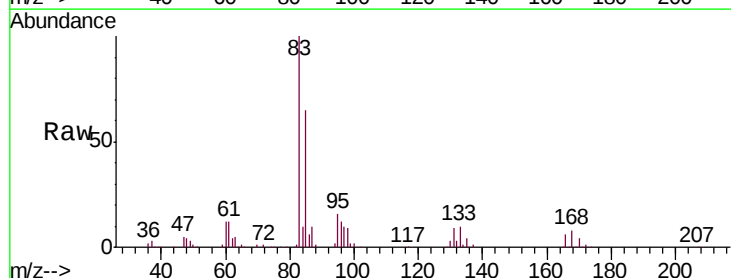
Tgt Ion: 83 Resp: 208063

Ion Ratio Lower Upper

83 100

85 64.6 45.7 84.9

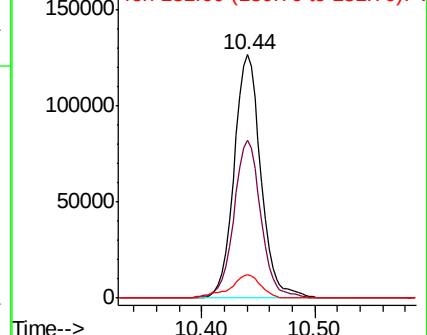
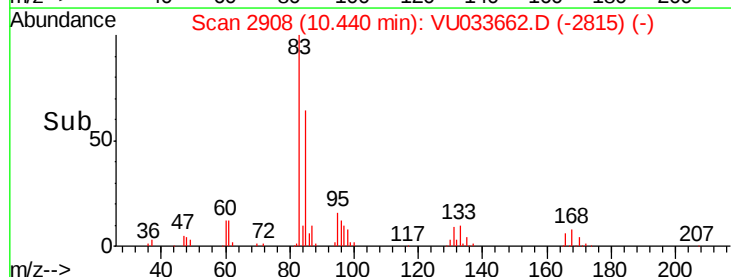
131 9.5 7.7 11.5

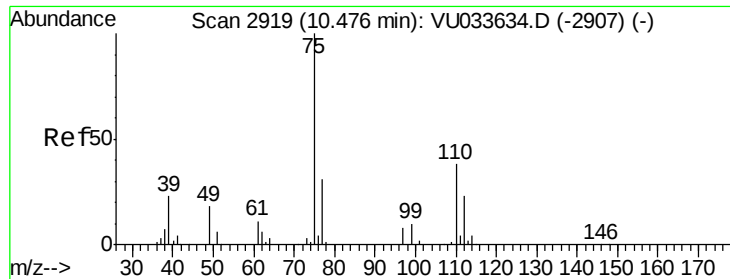


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

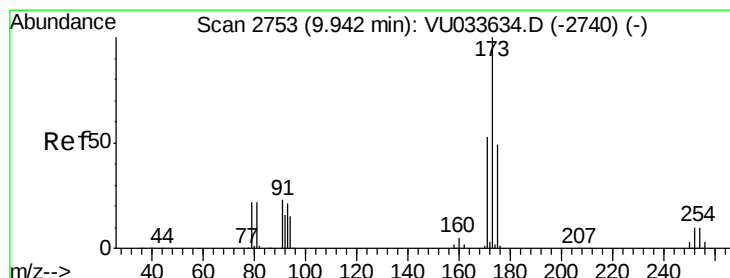
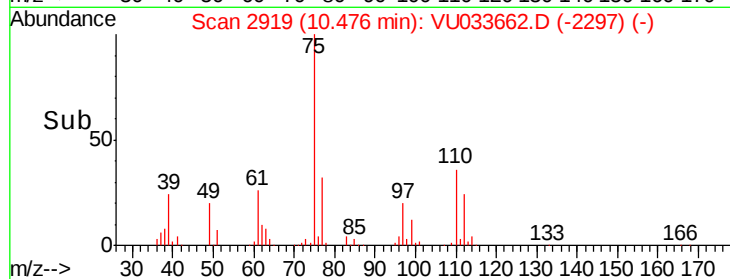
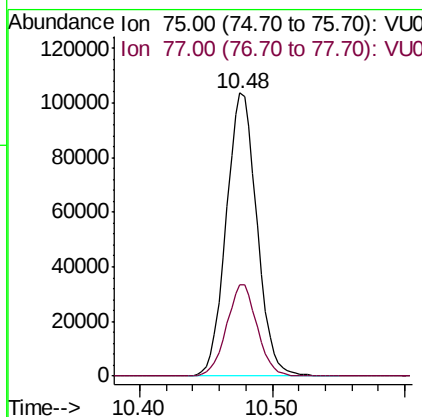
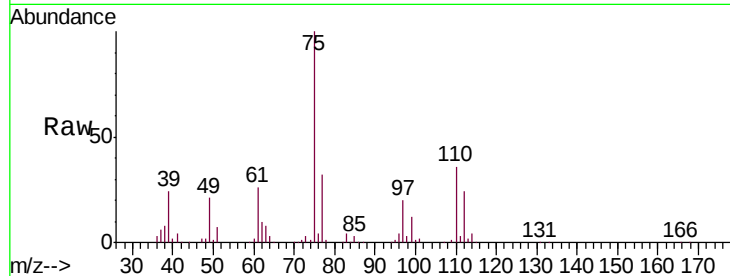




#59
 1,2,3-Trichloropropane
 Concen: 48.502 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

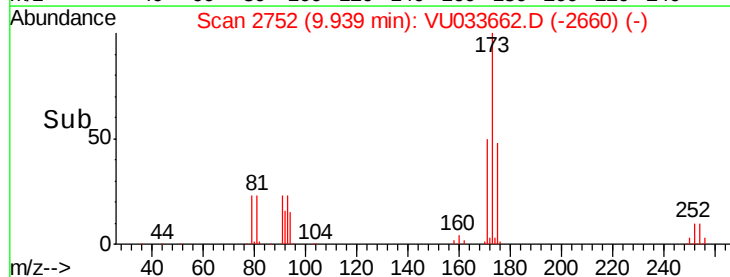
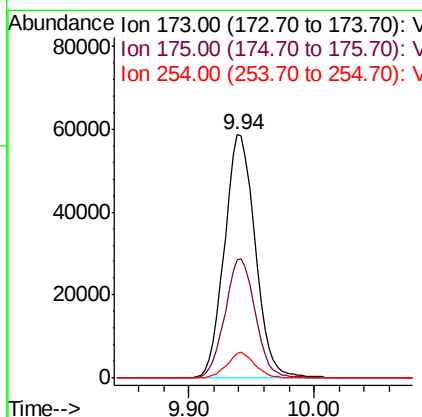
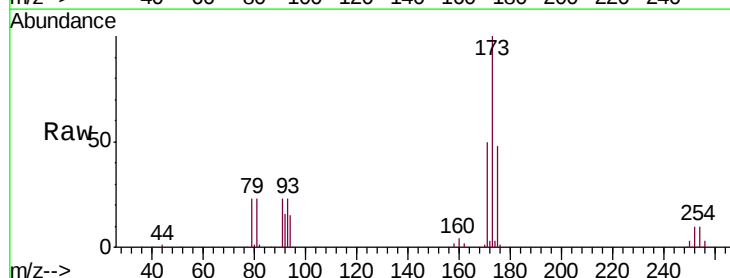
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

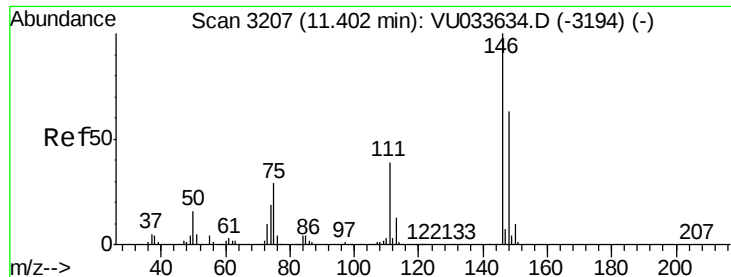
Tgt Ion: 75 Resp: 166308
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 48.114 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. -0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

Tgt Ion: 173 Resp: 99910
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.3 58.9
 254 9.6 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 48.291 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

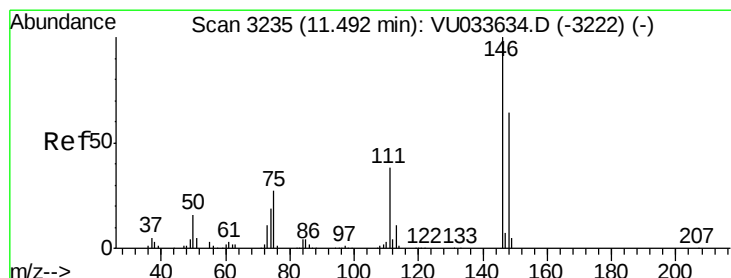
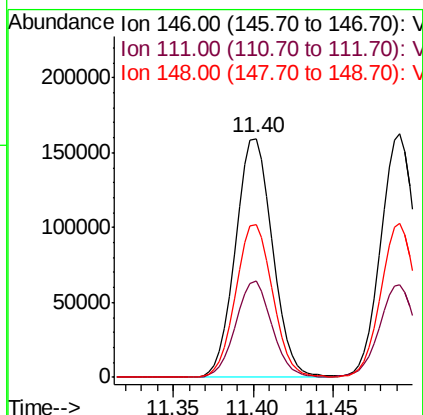
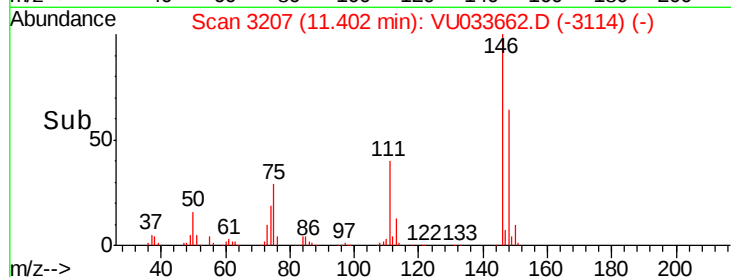
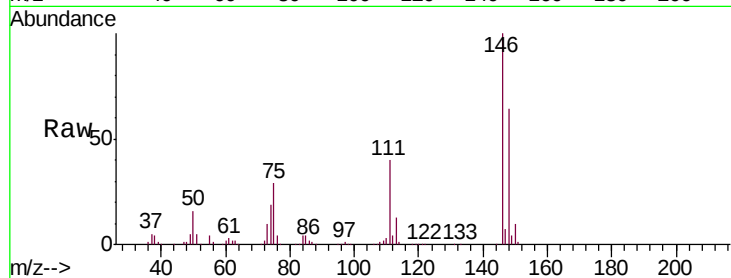
Tgt Ion:146 Resp: 251289

Ion Ratio Lower Upper

146 100

111 40.2 27.9 51.9

148 64.0 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 47.812 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

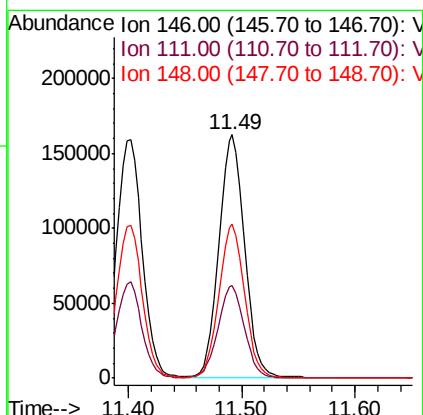
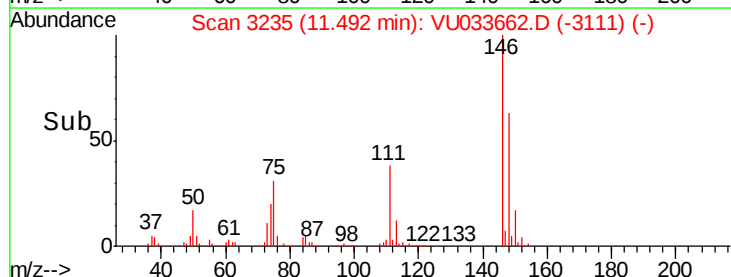
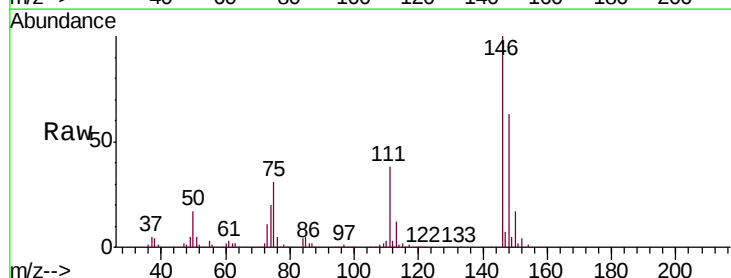
Tgt Ion:146 Resp: 257188

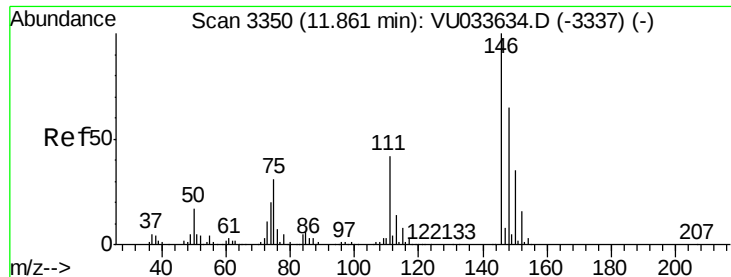
Ion Ratio Lower Upper

146 100

111 38.0 26.8 49.8

148 63.0 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 48.435 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

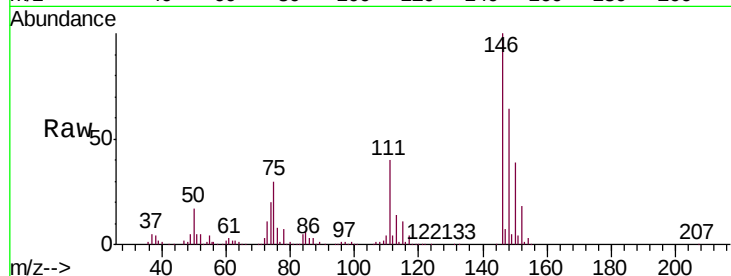
Tgt Ion:146 Resp: 255624

Ion Ratio Lower Upper

146 100

111 40.0 33.0 49.4

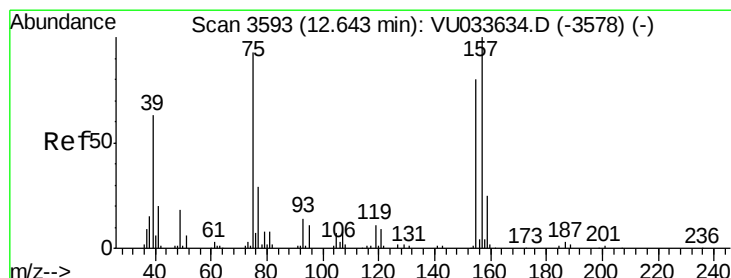
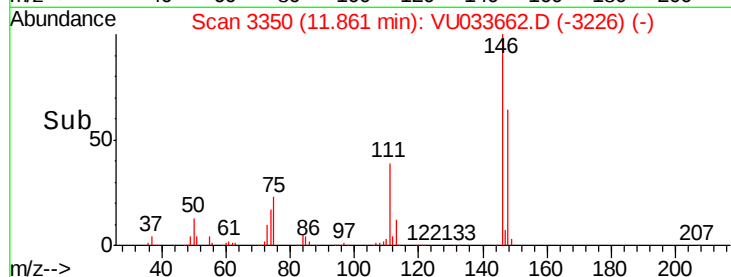
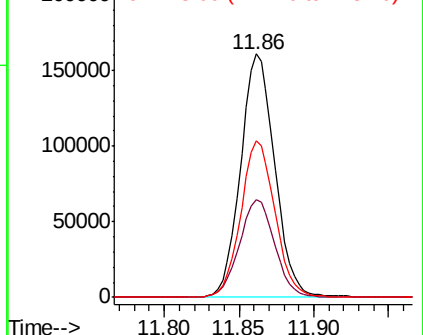
148 64.3 51.0 76.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 48.433 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

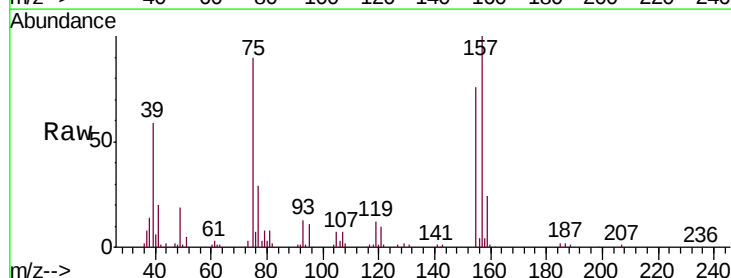
Tgt Ion: 75 Resp: 47611

Ion Ratio Lower Upper

75 100

155 84.0 65.8 98.8

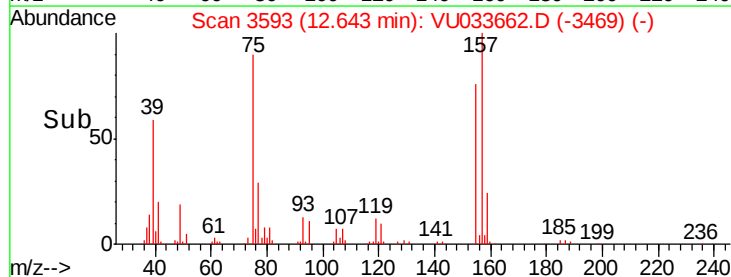
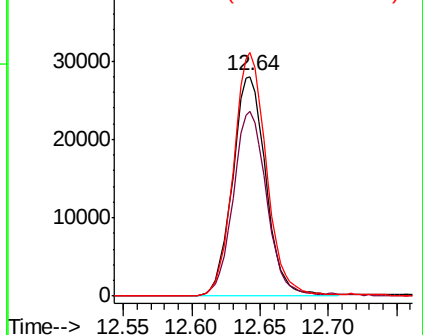
157 110.9 86.9 130.3

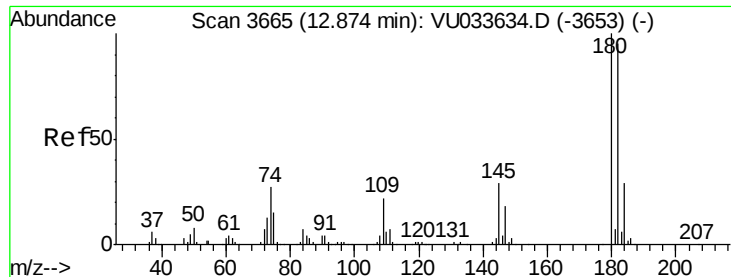


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

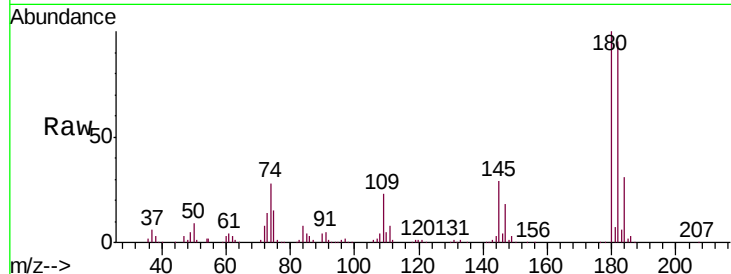




#67
 1,3,5-Trichlorobenzene
 Concen: 46.871 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.3	114.5
184	30.6	24.2	36.4
145	29.1	23.5	35.3



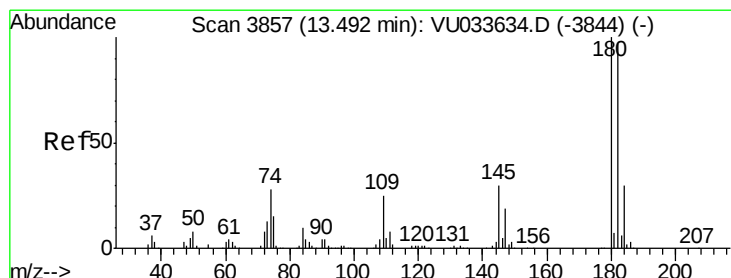
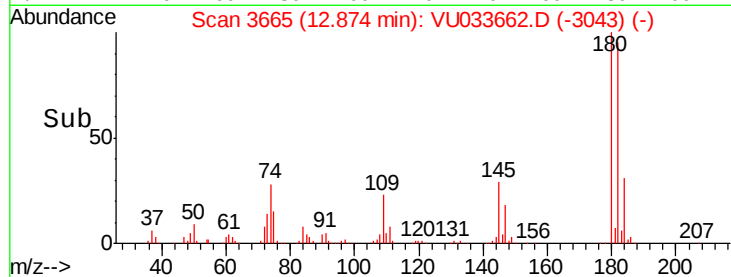
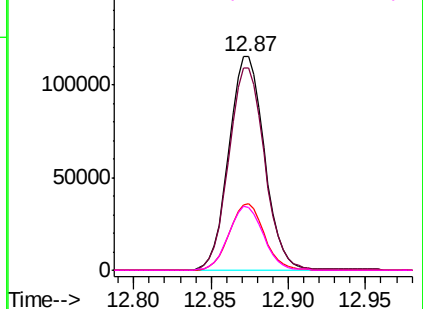
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

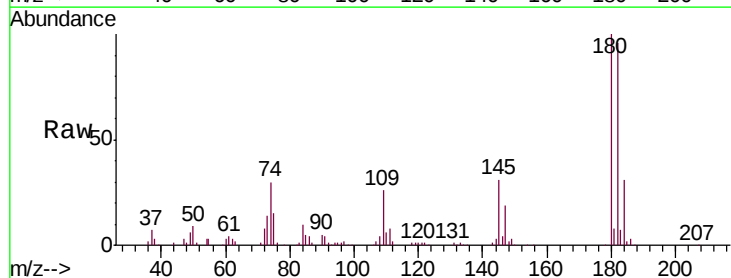
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.990 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033662.D
 Acq: 09 Aug 2019 01:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.5	117.7
145	29.4	23.6	35.4

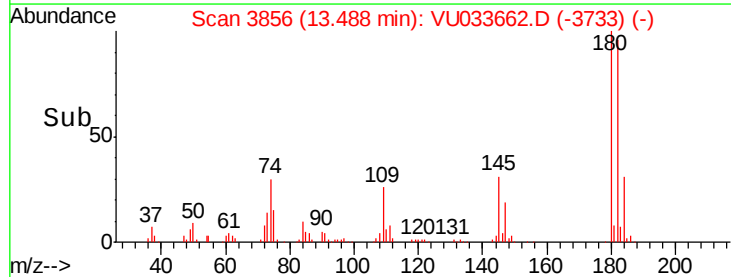
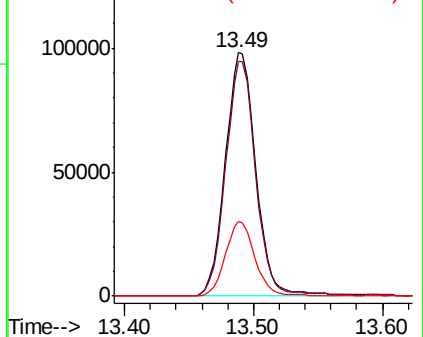


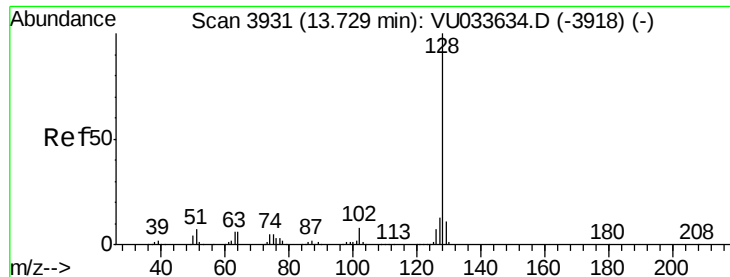
Abundance

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: 53.179 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

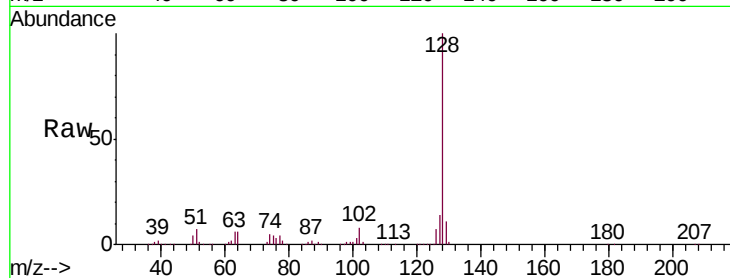
Tgt Ion:128 Resp: 510669

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

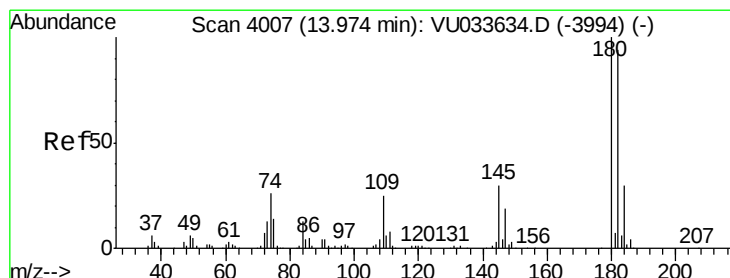
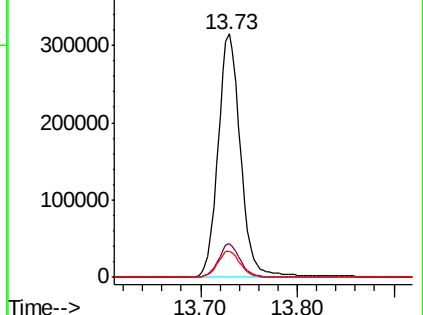
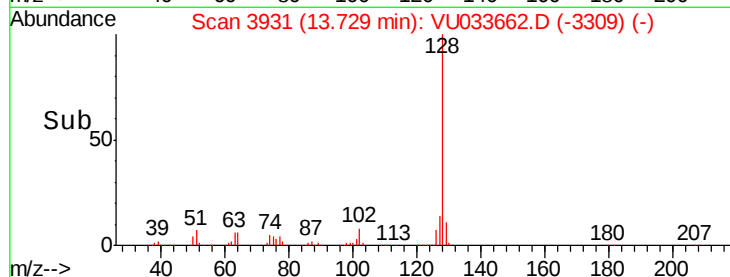
129 10.8 8.8 13.2



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: 50.160 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033662.D

Acq: 09 Aug 2019 01:05

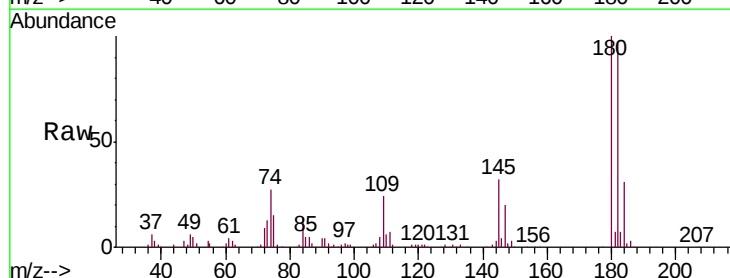
Tgt Ion:180 Resp: 172179

Ion Ratio Lower Upper

180 100

182 96.3 76.6 115.0

145 30.9 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

