

Data File : VU034763.D
Acq On : 24 Sep 2019 03:11
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Quant Time: Sep 24 03:45:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	527585	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	505509	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	244553	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	207282	38.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.76%
7) Chloroethane-d5	1.67	69	171818	41.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.32%
11) 1,1-Dichloroethene-d2	2.26	63	397315	43.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.88%
21) 2-Butanone-d5	4.15	46	442365	106.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.86%
24) Chloroform-d	4.62	84	387856	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.28	65	267442	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
32) Benzene-d6	5.32	84	737847	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
36) 1,2-Dichloropropane-d6	6.31	67	263629	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	7.54	98	705756	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%
43) trans-1,3-Dichloropropene-	7.83	79	122313	46.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.26%
47) 2-Hexanone-d5	8.29	63	285987	103.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.97%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	355404	46.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.54%
64) 1,2-Dichlorobenzene-d4	11.84	152	249128	48.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	247393	45.496 ug/L	99
3) Chloromethane	1.32	50	299602	45.997 ug/L	99
5) Vinyl chloride	1.40	62	275650	46.336 ug/L	98
6) Bromomethane	1.62	94	144739	44.548 ug/L	98
8) Chloroethane	1.69	64	156930	45.822 ug/L	98
9) Trichlorofluoromethane	1.87	101	340283	45.365 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	162793	45.264 ug/L	95
12) 1,1-Dichloroethene	2.27	96	164688	47.711 ug/L	95
13) Acetone	2.31	43	290875	60.407 ug/L	100
14) Carbon disulfide	2.46	76	518440	44.514 ug/L	98
15) Methyl Acetate	2.60	43	332132	51.636 ug/L	100
16) Methylene chloride	2.68	84	210113	48.054 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	180691	47.878 ug/L	94
18) Methyl tert-butyl Ether	2.98	73	676229	48.298 ug/L	100
19) 1,1-Dichloroethane	3.42	63	413435	47.754 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	210827	47.777 ug/L	97
22) 2-Butanone	4.23	43	477414	83.339 ug/L	100

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Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	104432	49.444	ug/L	93
25) Chloroform	4.65	83	387140	45.410	ug/L	99
27) 1,2-Dichloroethane	5.38	62	349219	47.419	ug/L	99
29) Cyclohexane	4.97	56	375507	45.005	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	317946	46.212	ug/L	99
31) Carbon tetrachloride	5.11	117	276819	47.209	ug/L	99
33) Benzene	5.37	78	837349	47.760	ug/L	100
34) Trichloroethene	6.16	95	207431	47.907	ug/L	99
35) Methylcyclohexane	6.39	83	306421	41.702	ug/L	99
37) 1,2-Dichloropropane	6.41	63	247665	47.441	ug/L	99
38) Bromodichloromethane	6.73	83	297063	46.922	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	363963	46.400	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	941147	94.429	ug/L	98
42) Toluene	7.61	91	900899	47.547	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	324890	45.945	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	201669	48.228	ug/L	98
46) Tetrachloroethene	8.21	164	148711	48.827	ug/L	97
48) 2-Hexanone	8.34	43	728132	93.539	ug/L	98
49) Dibromochloromethane	8.45	129	225881	48.462	ug/L	100
50) 1,2-Dibromoethane	8.56	107	222026	49.265	ug/L	100
51) Chlorobenzene	9.10	112	546594	47.455	ug/L	98
52) Ethylbenzene	9.23	91	982194	46.033	ug/L	98
53) m,p-Xylene	9.35	106	359305	47.544	ug/L	97
54) o-xylene	9.76	106	354915	47.481	ug/L	94
55) Styrene	9.77	104	606719	47.952	ug/L	100
56) Isopropylbenzene	10.14	105	920975	45.695	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	371080	46.203	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	299120	45.875	ug/L	97
61) Bromoform	9.94	173	166513	49.453	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	398155	47.013	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	401369	46.523	ug/L	100
65) 1,2-Dichlorobenzene	11.85	146	401712	46.944	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	89284	49.088	ug/L	95
67) 1,3,5-Trichlorobenzene	12.86	180	263038	46.355	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	232339	52.067	ug/L	97
69) Naphthalene	13.72	128	873125	56.522	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	236355	51.477	ug/L	98

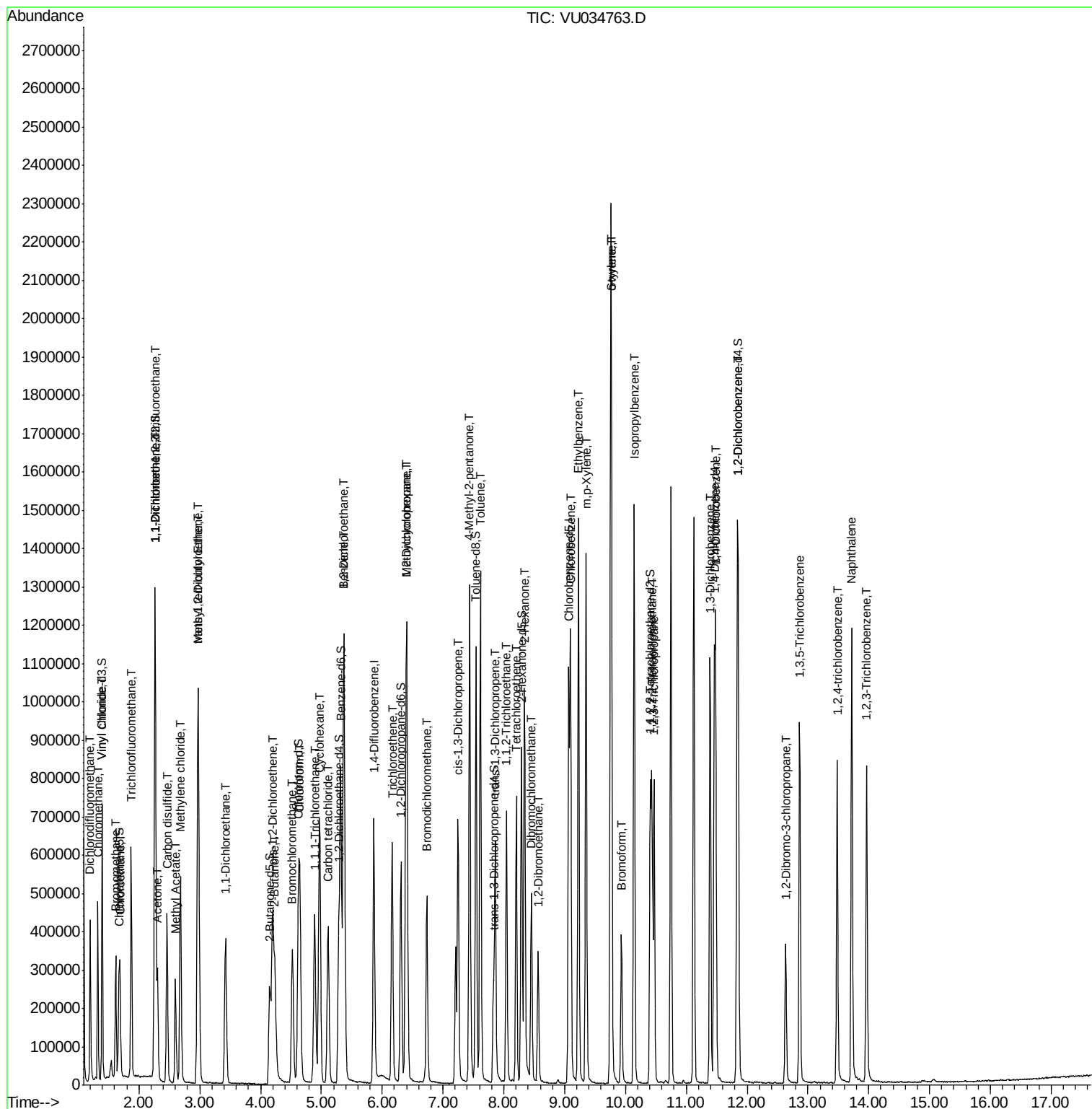
(#) = qualifier out of range (m) = manual integration (+) = signals summed

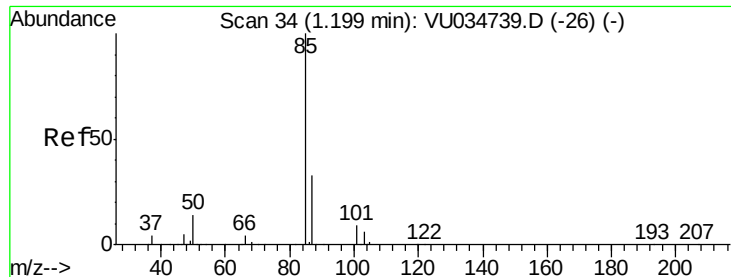
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#2

Dichlorodifluoromethane

Concen: 45.496 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

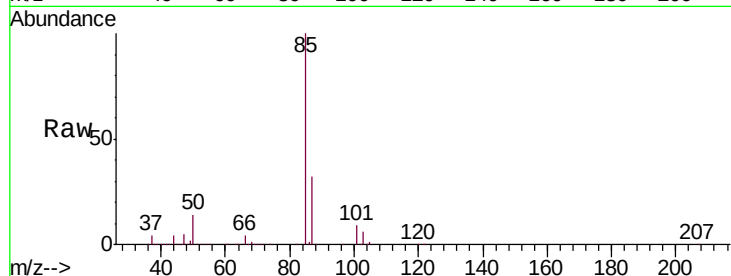
VSTD05042

Tgt Ion: 85 Resp: 247393

Ion Ratio Lower Upper

85 100

87 32.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU034763.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034763.D (-1) (-)

1.20

250000

200000

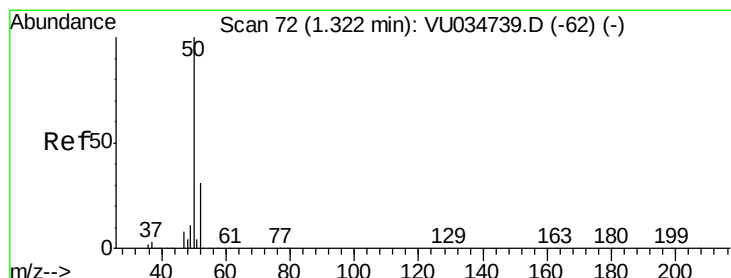
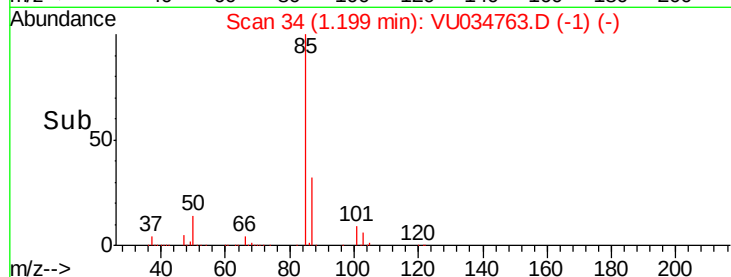
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 45.997 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034763.D

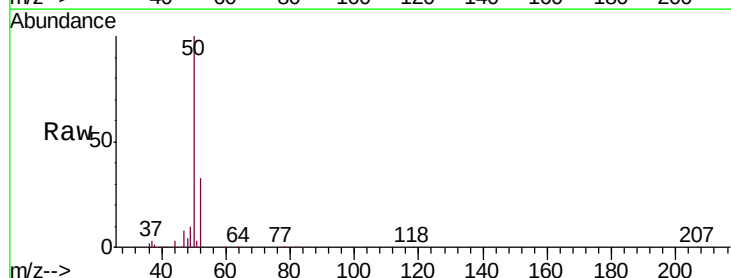
Acq: 24 Sep 2019 03:11

Tgt Ion: 50 Resp: 299602

Ion Ratio Lower Upper

50 100

52 32.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU034763.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034763.D (-1) (-)

1.32

300000

250000

200000

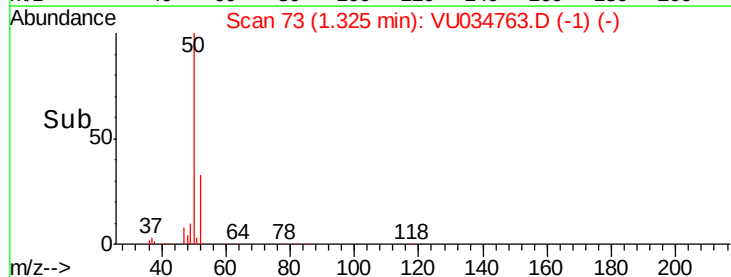
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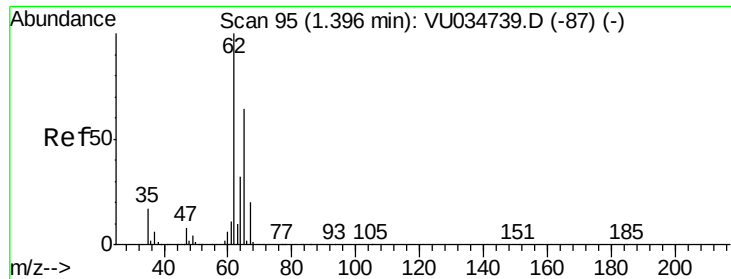
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.336 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

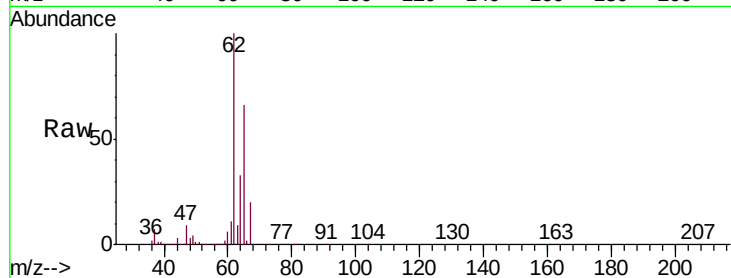
VSTD05042

Tgt Ion: 62 Resp: 275650

Ion Ratio Lower Upper

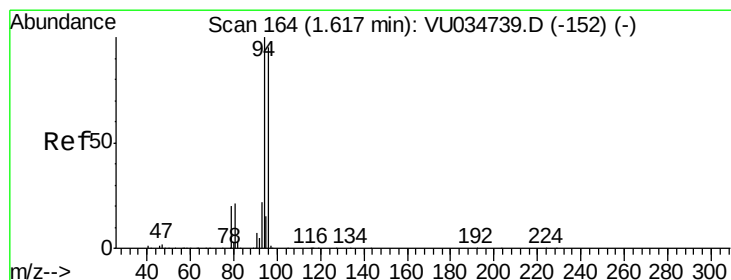
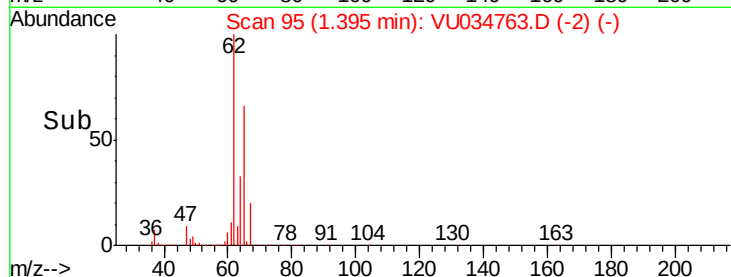
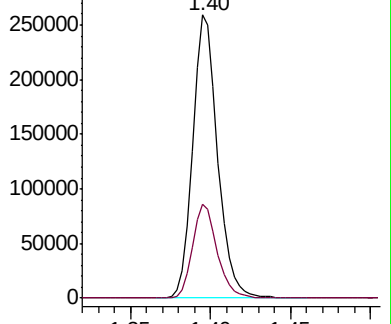
62 100

64 33.1 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU034763.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU034763.D (-87) (-)



#6

Bromomethane

Concen: 44.548 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU034763.D

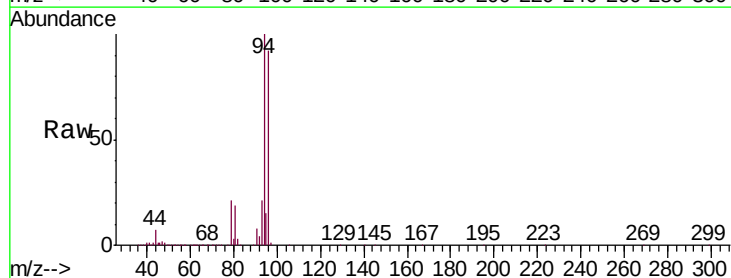
Acq: 24 Sep 2019 03:11

Tgt Ion: 94 Resp: 144739

Ion Ratio Lower Upper

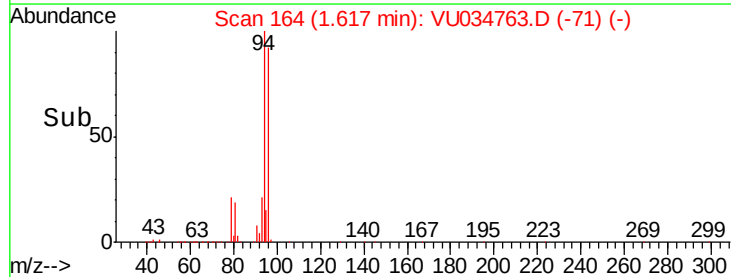
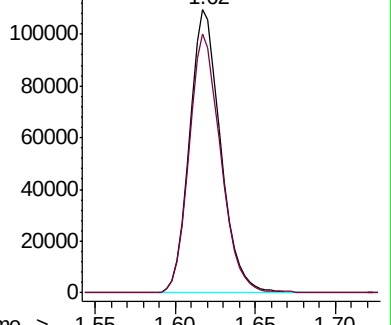
94 100

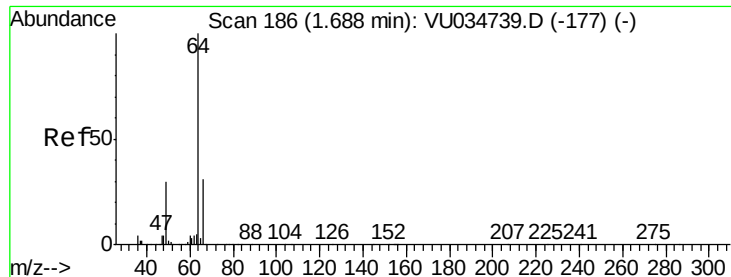
96 91.5 62.8 116.6



Abundance Ion 94.00 (93.70 to 94.70): VU034763.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU034763.D (-152) (-)





#8

Chloroethane

Concen: 45.822 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

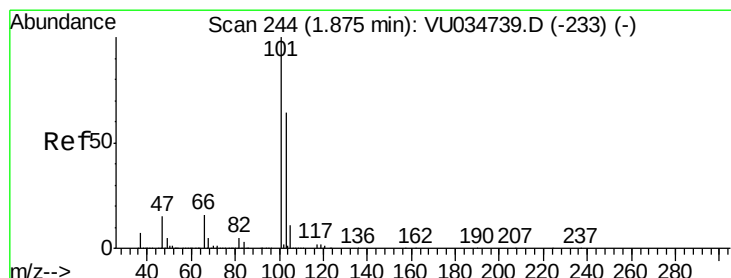
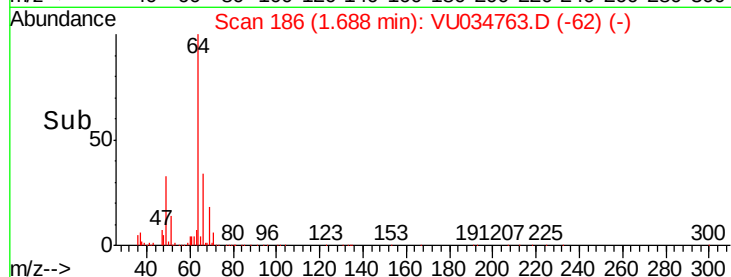
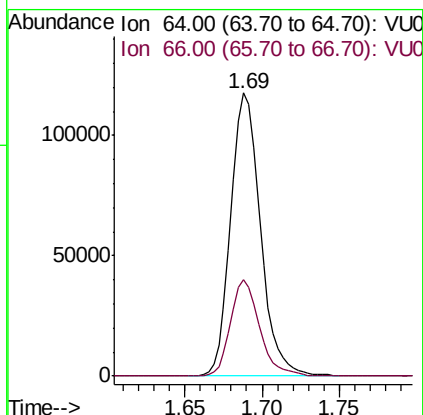
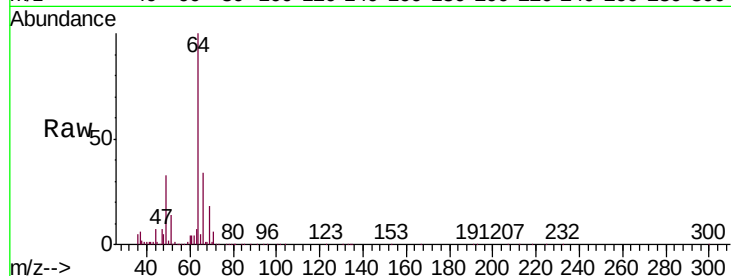
VSTD05042

Tgt Ion: 64 Resp: 156930

Ion Ratio Lower Upper

64 100

66 34.0 23.1 42.9



#9

Trichlorofluoromethane

Concen: 45.365 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034763.D

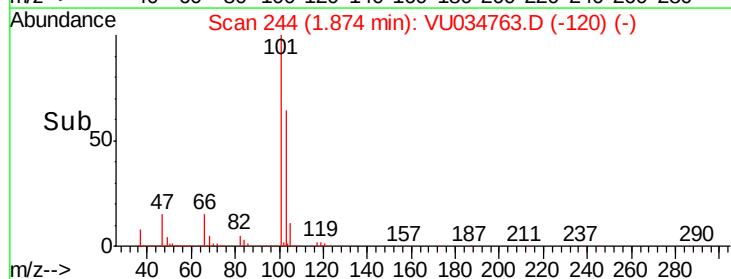
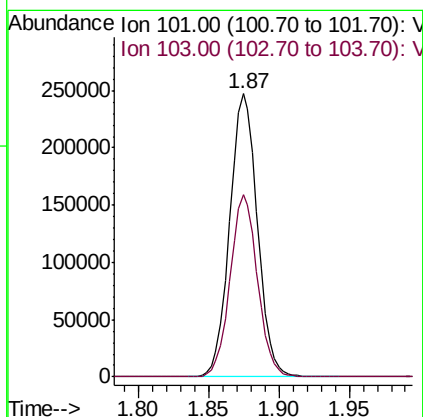
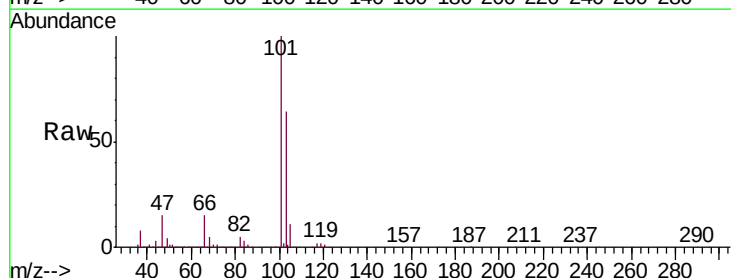
Acq: 24 Sep 2019 03:11

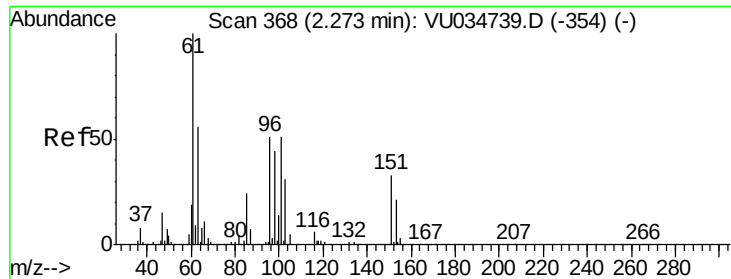
Tgt Ion: 101 Resp: 340283

Ion Ratio Lower Upper

101 100

103 63.6 51.8 77.8





#10

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

Concen: 45.264 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

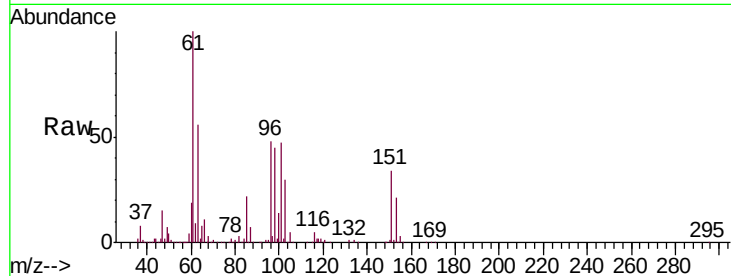
Tgt Ion: 101 Resp: 162793

Ion Ratio Lower Upper

101 100

85 47.4 39.0 58.4

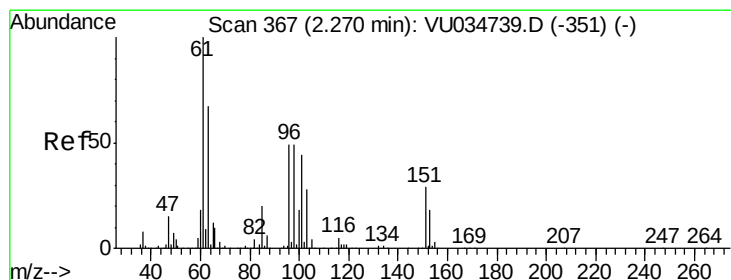
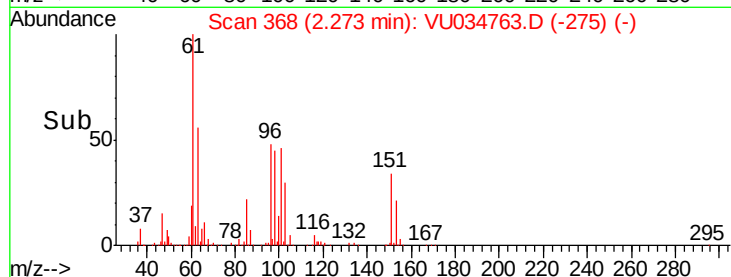
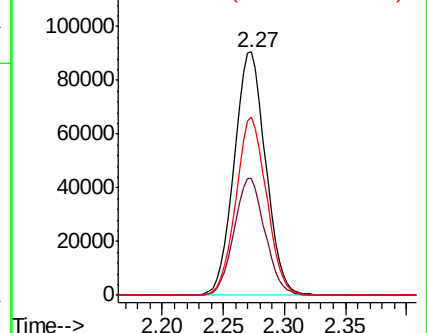
151 71.1 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.711 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

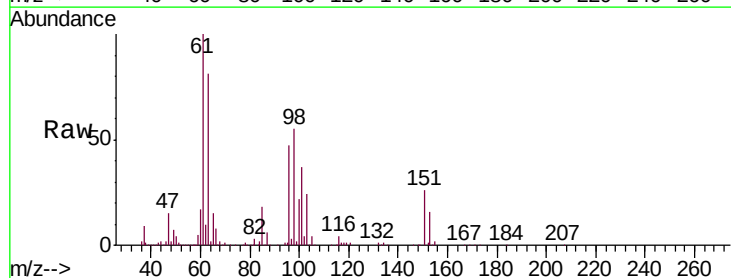
Tgt Ion: 96 Resp: 164688

Ion Ratio Lower Upper

96 100

61 214.8 153.2 284.4

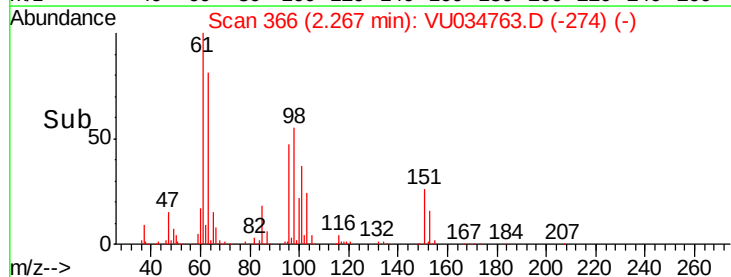
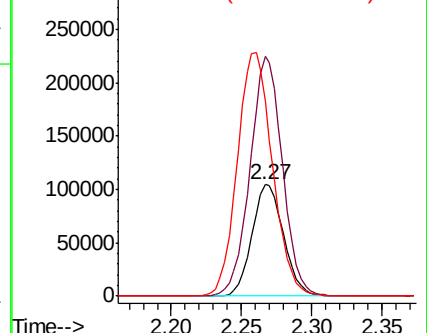
63 174.1 113.8 211.3

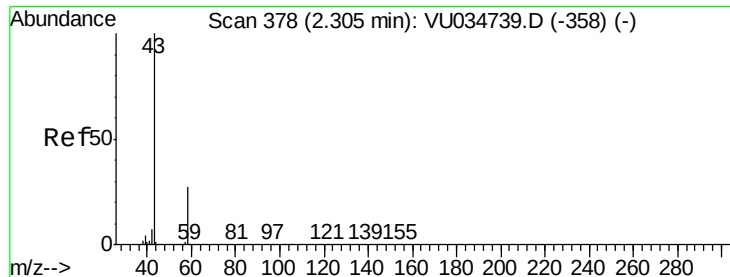


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 60.407 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

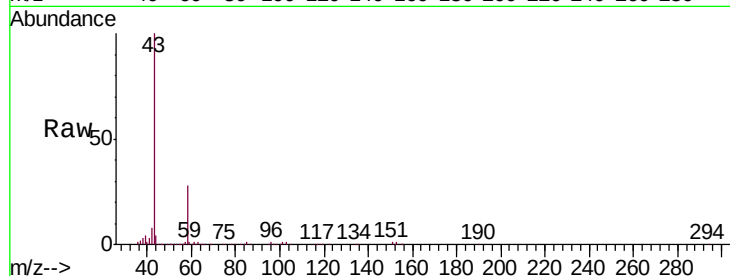
VSTD05042

Tgt Ion: 43 Resp: 290875

Ion Ratio Lower Upper

43 100

58 26.7 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU034763.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034763.D (-358) (-)

2.31

200000

150000

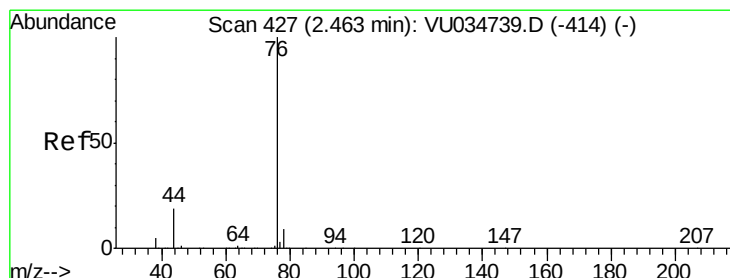
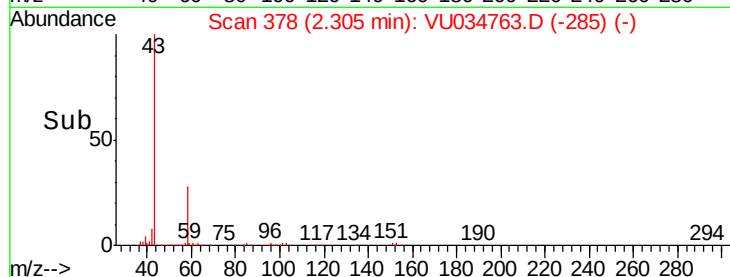
100000

50000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 44.514 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034763.D

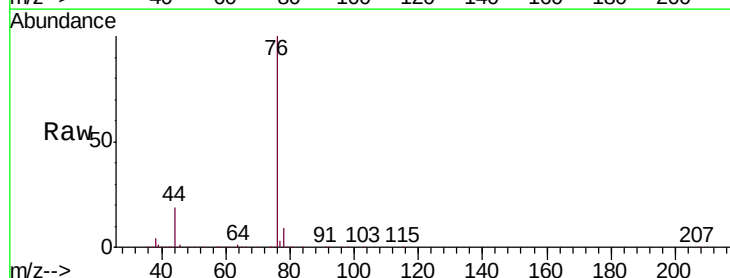
Acq: 24 Sep 2019 03:11

Tgt Ion: 76 Resp: 518440

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VU034763.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034763.D (-334) (-)

2.46

300000

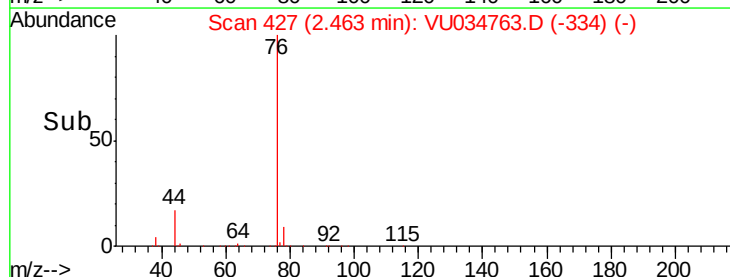
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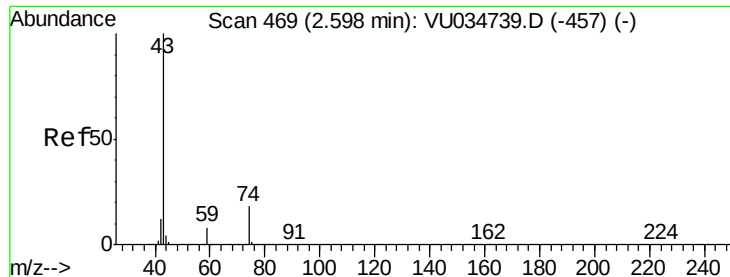
100000

0

Time-->

2.40 2.50 2.60

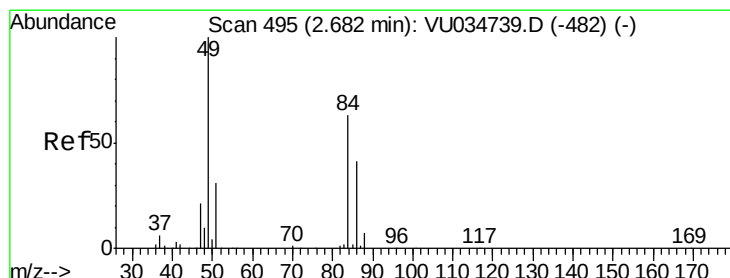
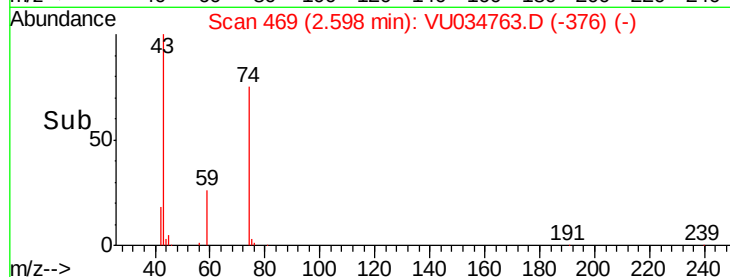
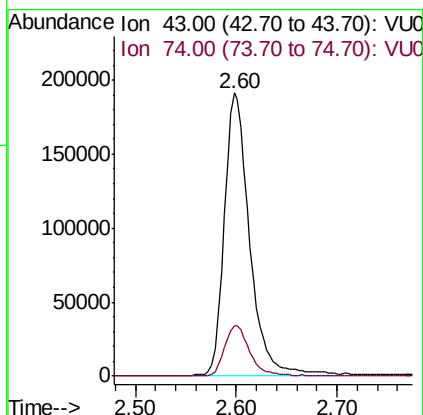
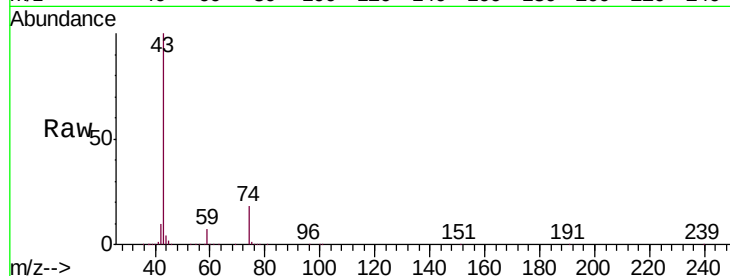




#15
Methyl Acetate
Concen: 51.636 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

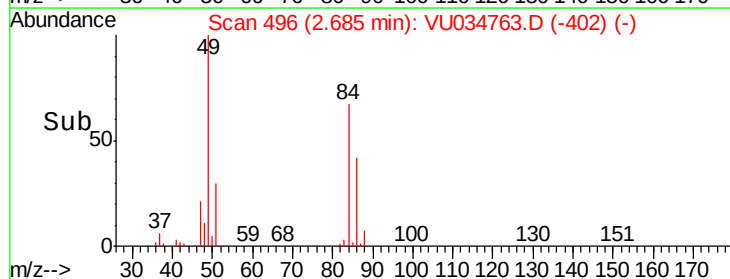
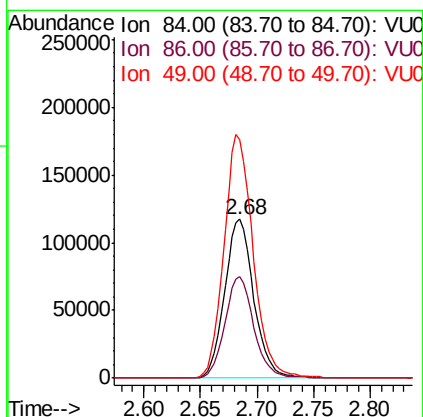
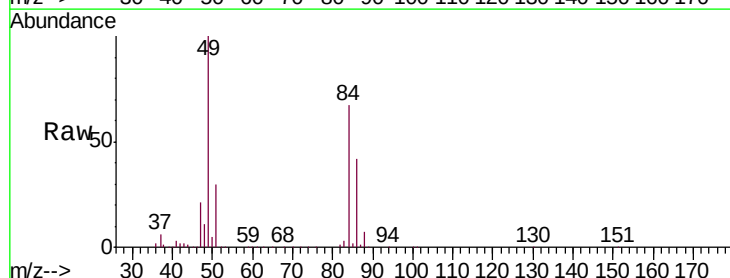
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

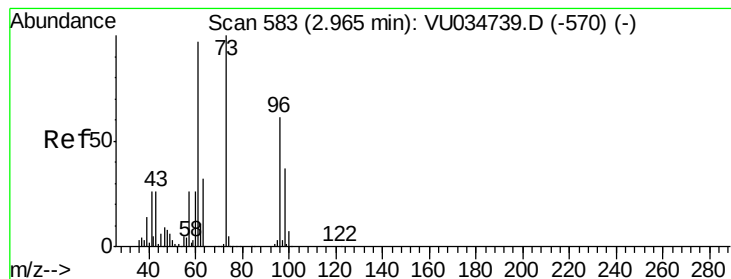
Tgt Ion: 43 Resp: 332132
Ion Ratio Lower Upper
43 100
74 18.0 14.4 21.6



#16
Methylene chloride
Concen: 48.054 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

Tgt Ion: 84 Resp: 210113
Ion Ratio Lower Upper
84 100
86 63.6 43.0 80.0
49 150.2 109.7 203.7





#17

trans-1,2-Dichloroethene

Concen: 47.878 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

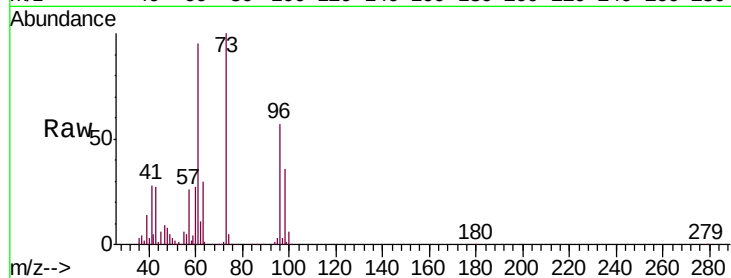
Tgt Ion: 96 Resp: 180691

Ion Ratio Lower Upper

96 100

61 168.1 124.0 230.4

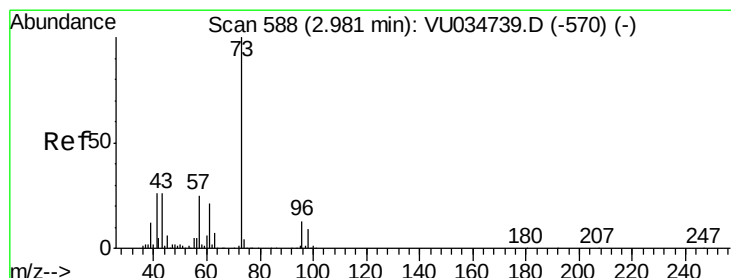
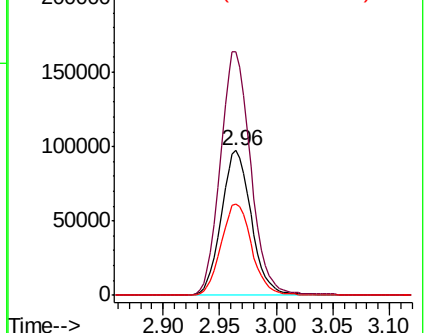
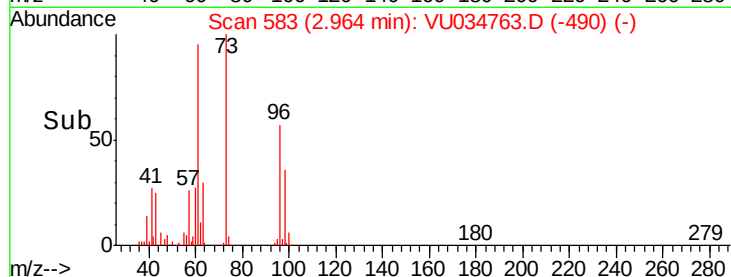
98 63.4 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VU034763.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034763.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034763.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 48.298 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

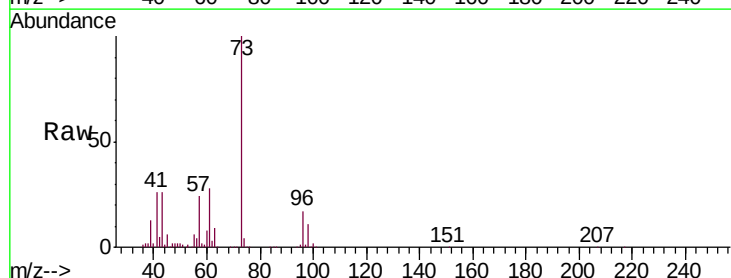
Tgt Ion: 73 Resp: 676229

Ion Ratio Lower Upper

73 100

43 26.1 20.9 31.3

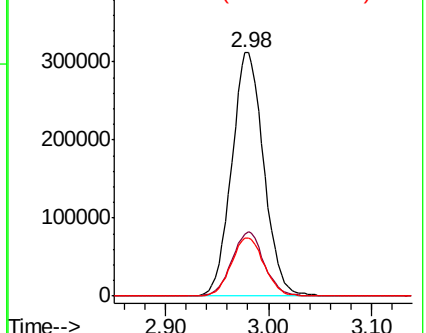
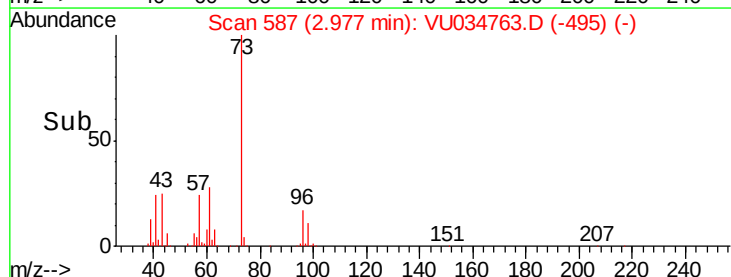
57 24.5 19.5 29.3

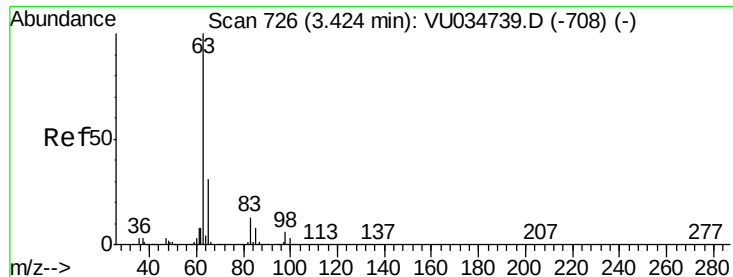


Abundance Ion 73.00 (72.70 to 73.70): VU034763.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU034763.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU034763.D (-495) (-)





#19

1,1-Dichloroethane

Concen: 47.754 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

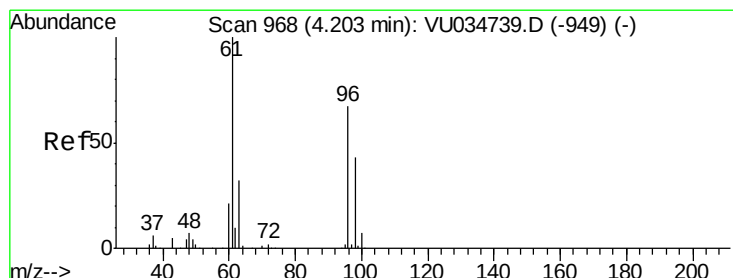
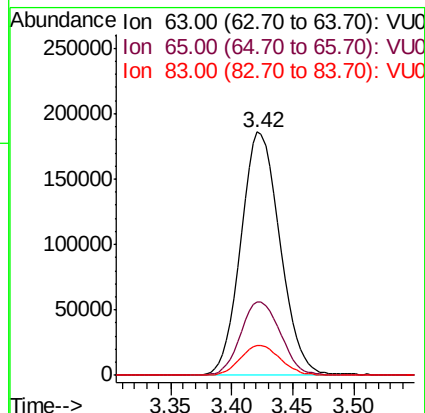
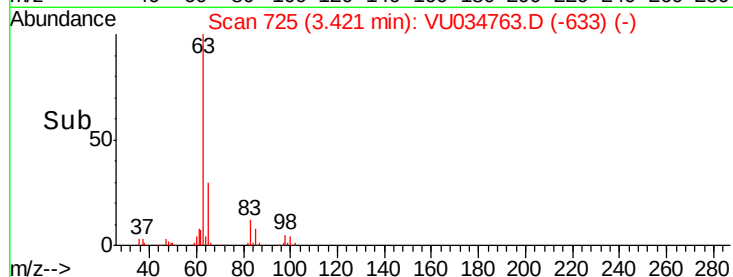
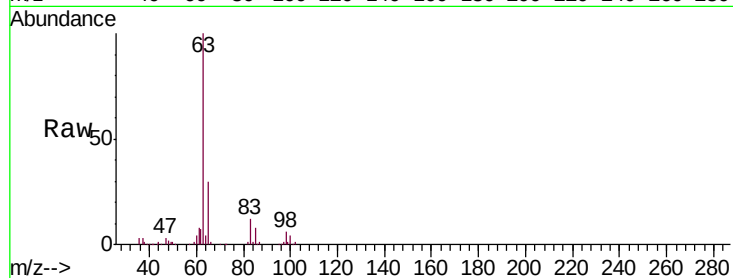
Tgt Ion: 63 Resp: 413435

Ion Ratio Lower Upper

63 100

65 30.1 22.0 40.8

83 12.5 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 47.777 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

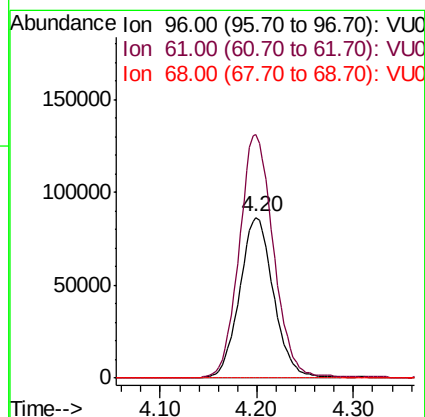
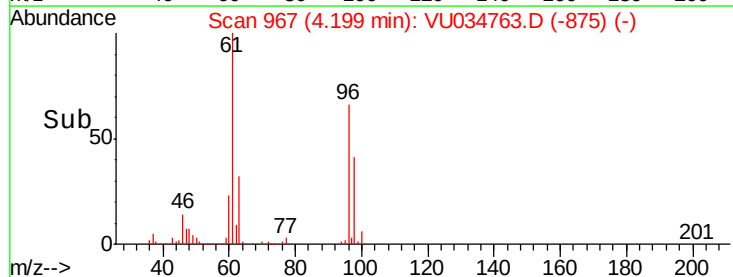
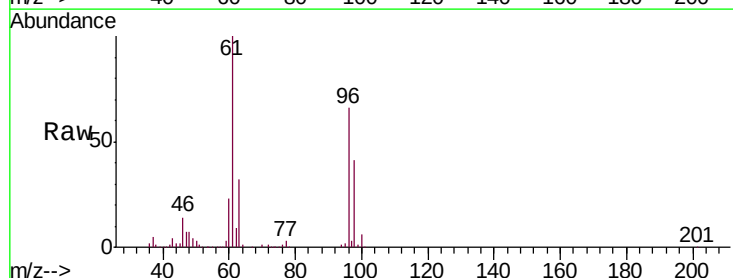
Tgt Ion: 96 Resp: 210827

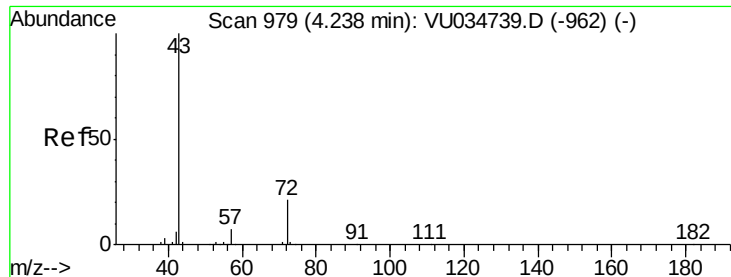
Ion Ratio Lower Upper

96 100

61 151.8 108.8 202.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 83.339 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

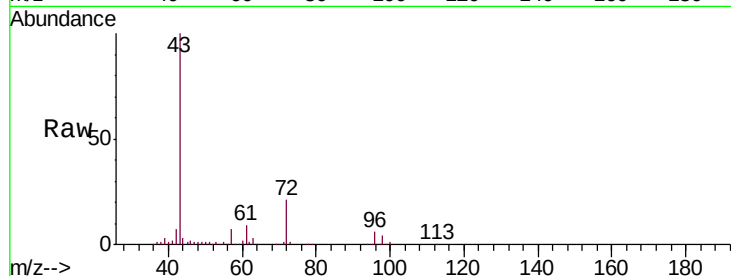
VSTD05042

Tgt Ion: 43 Resp: 477414

Ion Ratio Lower Upper

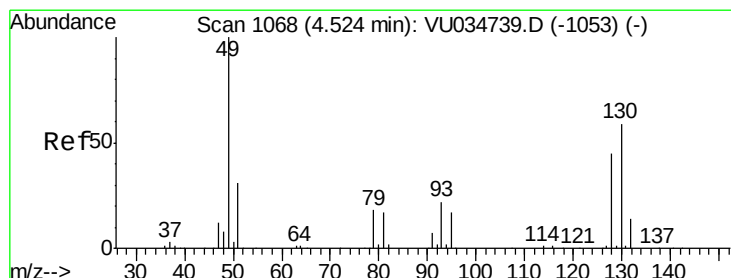
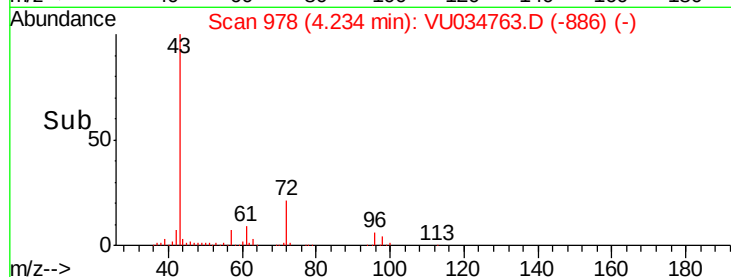
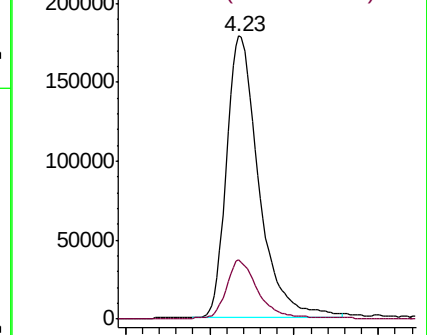
43 100

72 20.3 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU034763.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VU034763.D (-886) (-)



#23

Bromochloromethane

Concen: 49.444 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Tgt Ion: 128 Resp: 104432

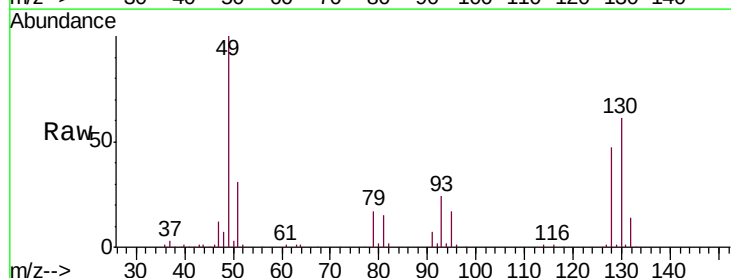
Ion Ratio Lower Upper

128 100

49 211.6 154.3 286.7

130 129.5 83.0 154.2

51 65.8 56.4 84.6

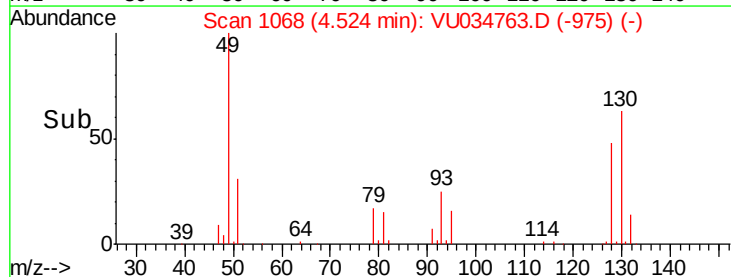
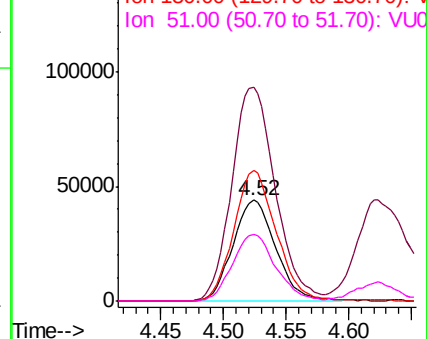


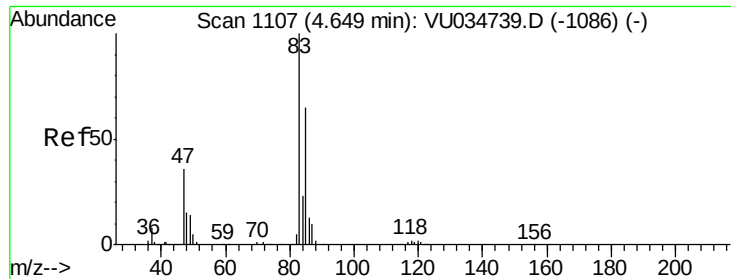
Abundance Ion 128.00 (127.70 to 128.70): VU034763.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VU034763.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VU034763.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VU034763.D (-975) (-)

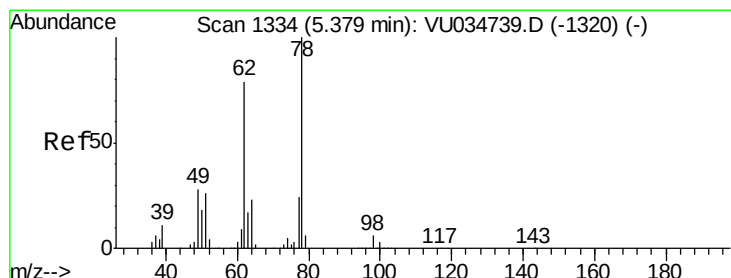
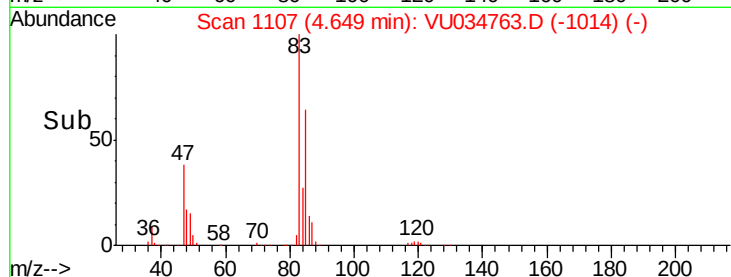
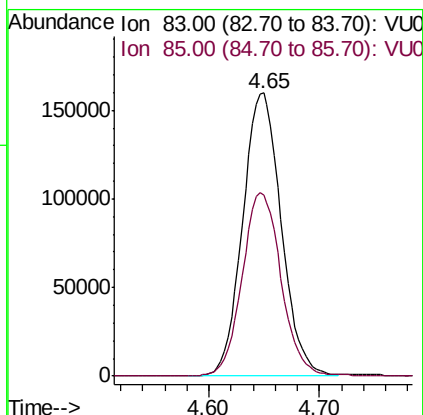
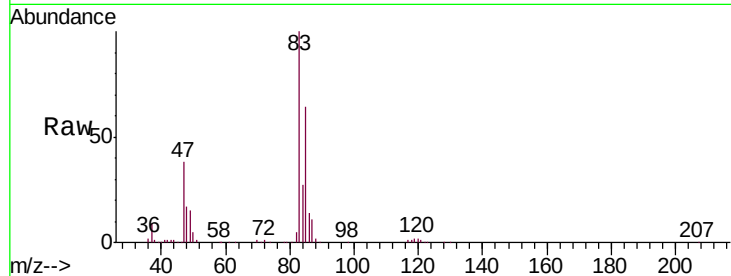




#25
Chloroform
Concen: 45.410 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

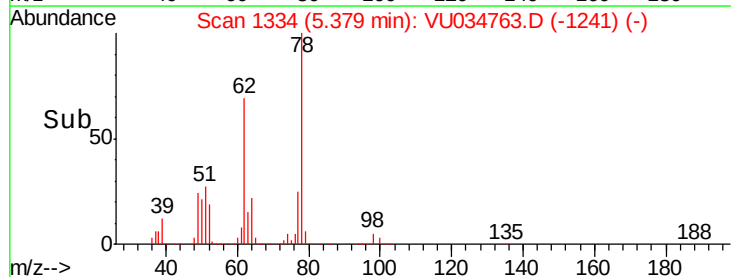
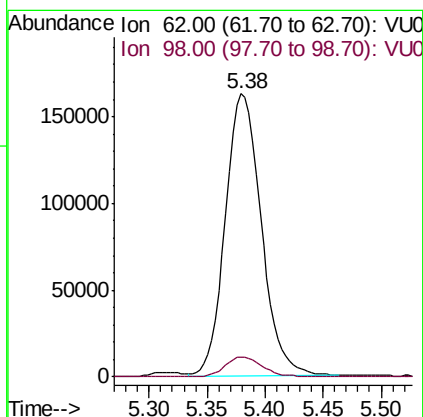
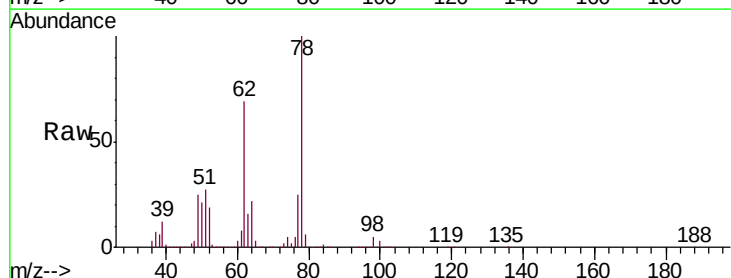
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

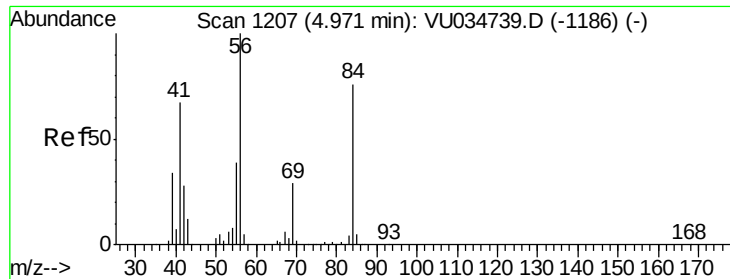
Tgt Ion: 83 Resp: 387140
Ion Ratio Lower Upper
83 100
85 63.8 44.0 81.6



#27
1,2-Dichloroethane
Concen: 47.419 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

Tgt Ion: 62 Resp: 349219
Ion Ratio Lower Upper
62 100
98 7.1 5.3 7.9

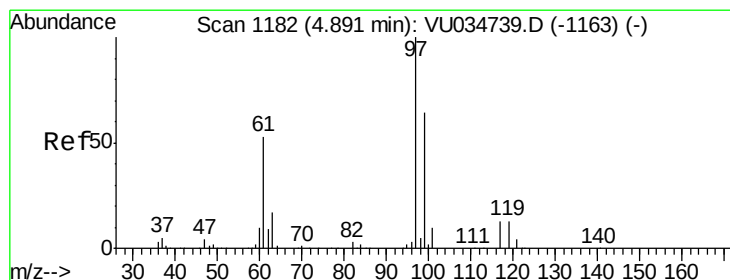
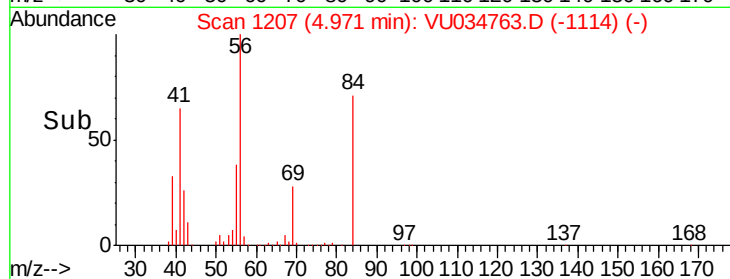
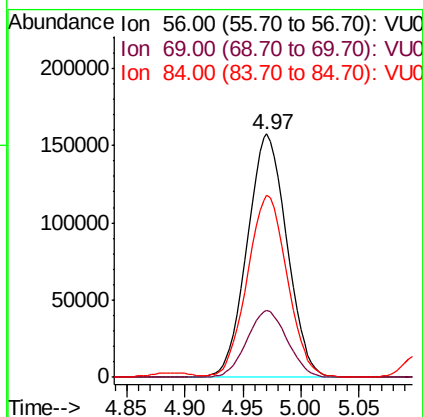
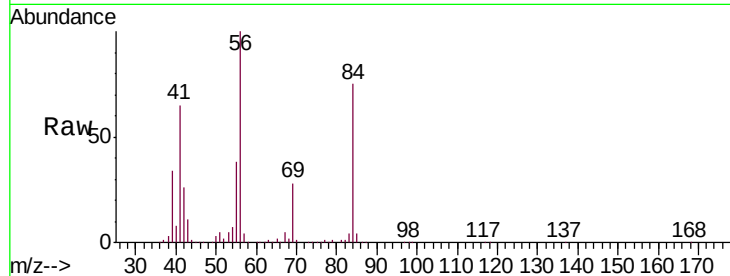




#29
Cyclohexane
Concen: 45.005 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

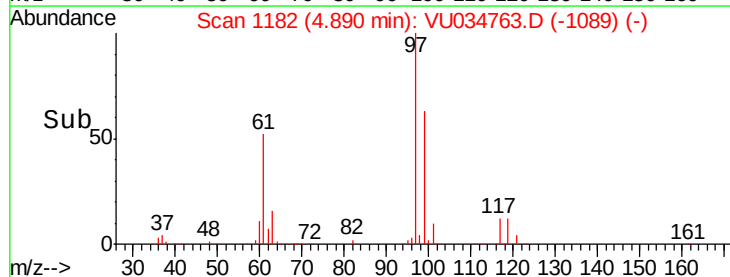
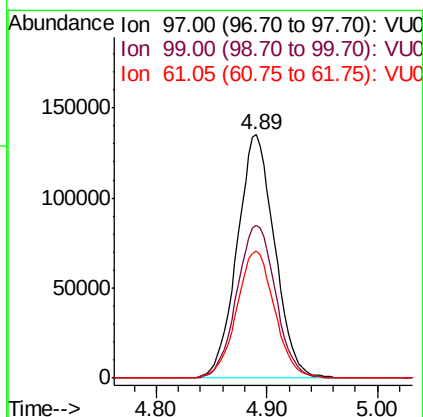
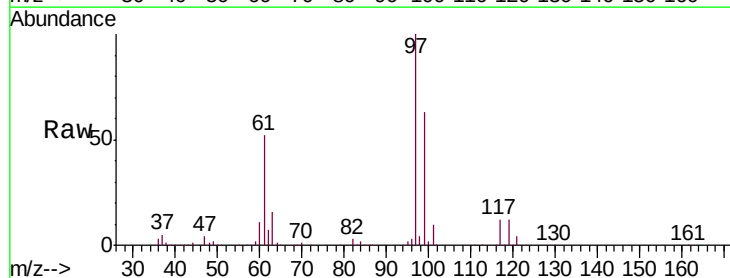
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

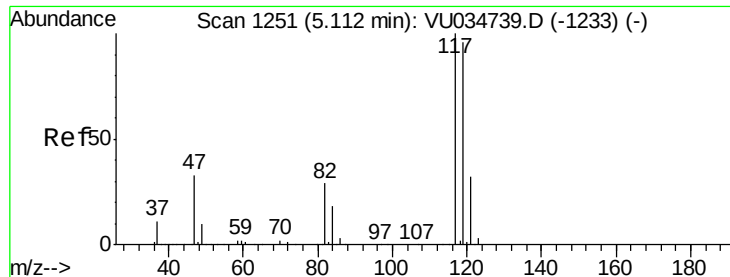
Tgt Ion: 56 Resp: 375507
Ion Ratio Lower Upper
56 100
69 28.1 21.7 32.5
84 74.5 58.8 88.2



#30
1,1,1-Trichloroethane
Concen: 46.212 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

Tgt Ion: 97 Resp: 317946
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 52.9 43.4 65.0

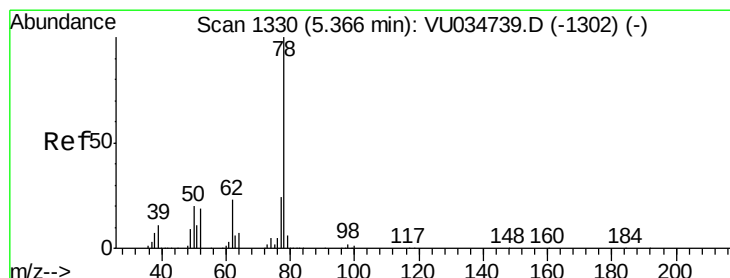
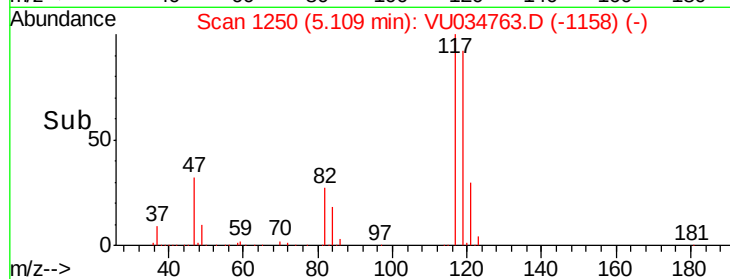
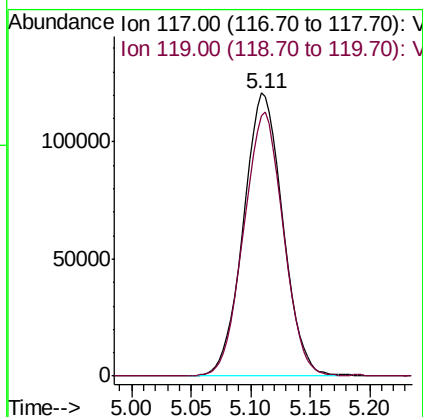
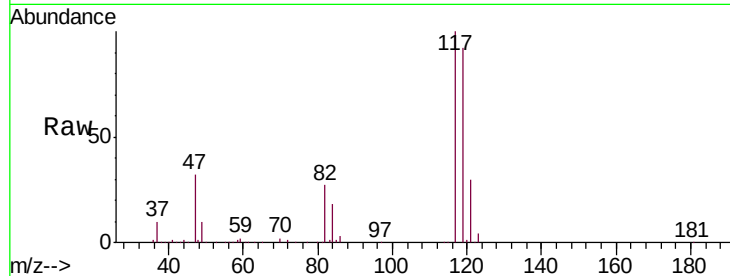




#31
Carbon tetrachloride
Concen: 47.209 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

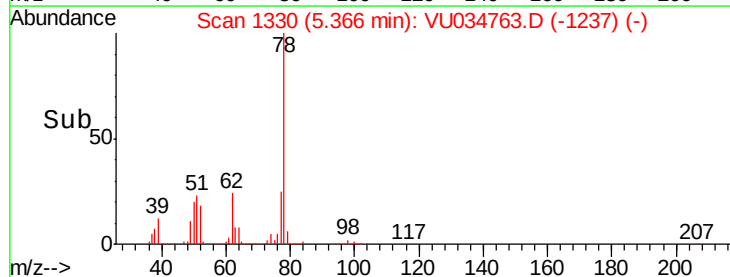
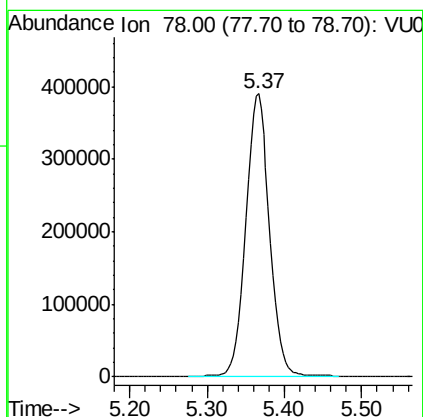
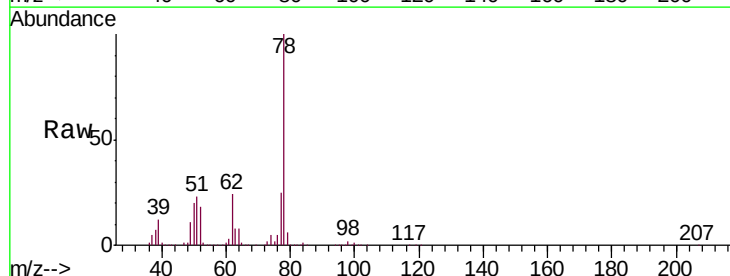
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

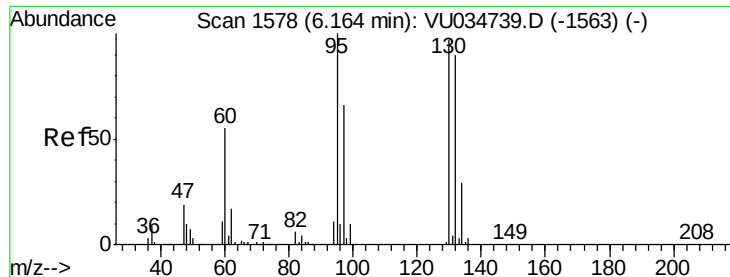
Tgt Ion:117 Resp: 276819
Ion Ratio Lower Upper
117 100
119 94.0 74.8 112.2



#33
Benzene
Concen: 47.760 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

Tgt Ion: 78 Resp: 837349





#34

Trichloroethene

Concen: 47.907 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 95 Resp: 207431

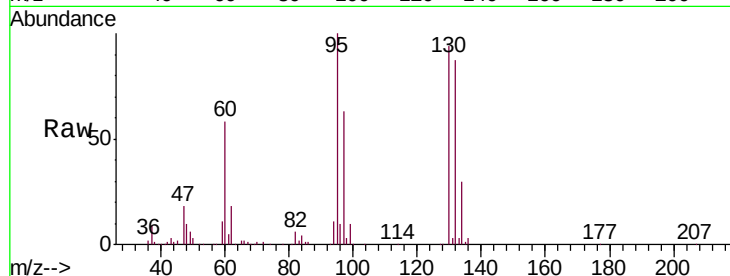
Ion Ratio Lower Upper

95 100

97 63.5 43.7 81.1

132 87.5 61.0 113.2

130 94.1 65.7 121.9

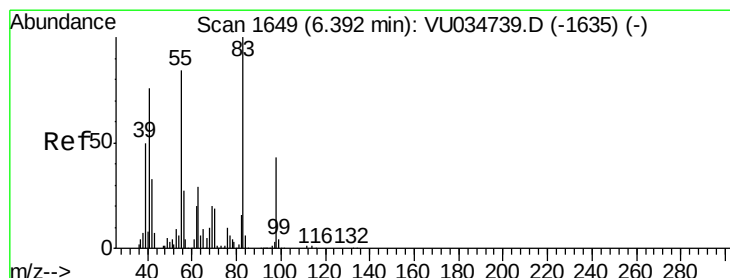
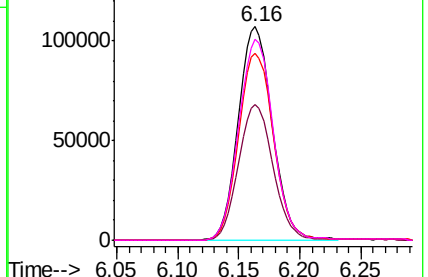
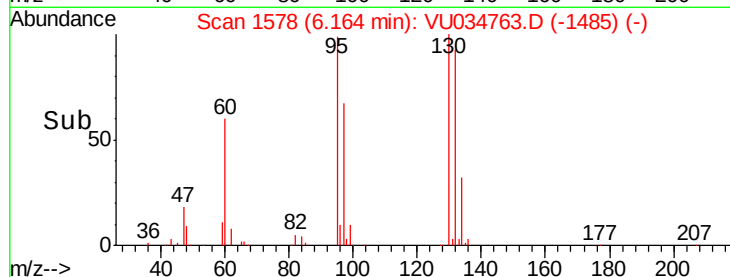


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 41.702 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

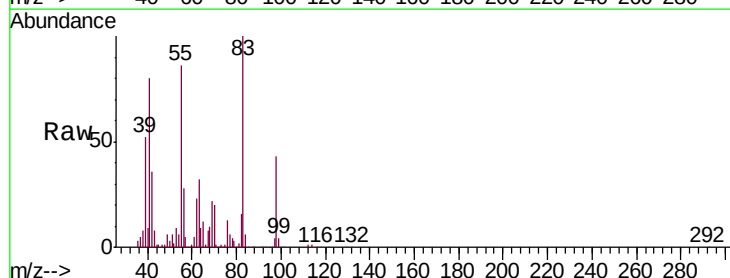
Tgt Ion: 83 Resp: 306421

Ion Ratio Lower Upper

83 100

55 88.1 71.6 107.4

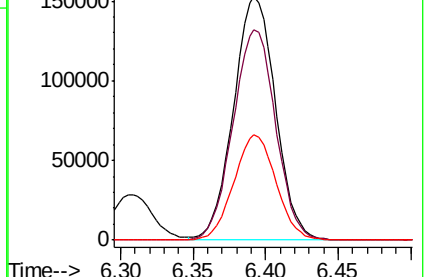
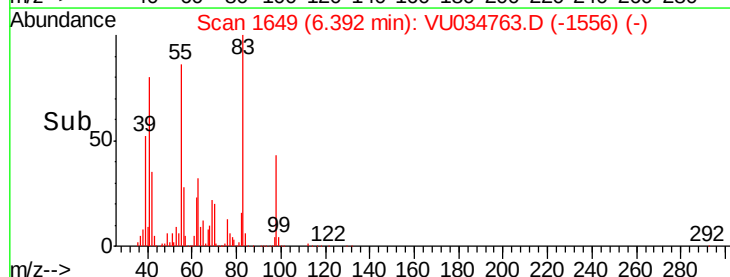
98 43.7 35.7 53.5

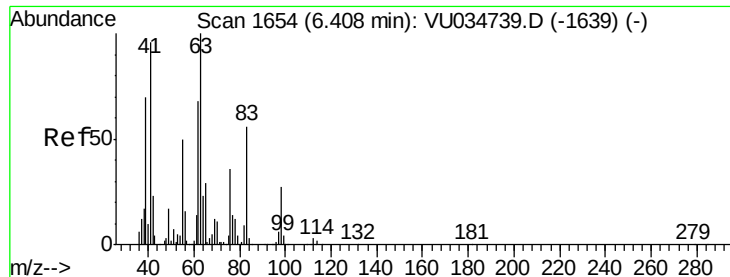


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

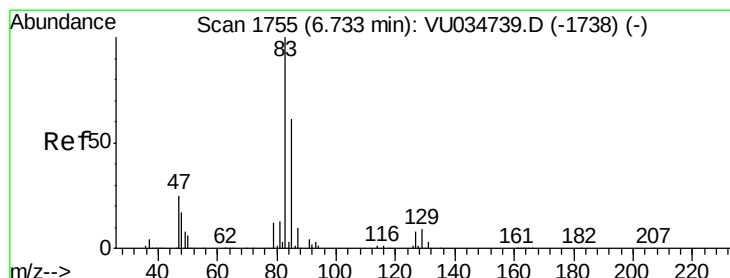
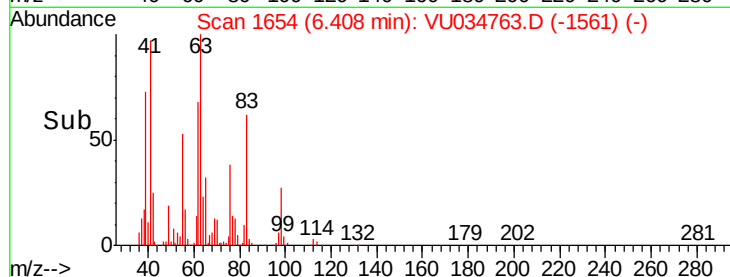
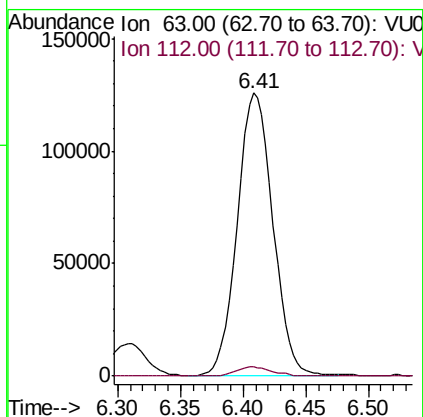
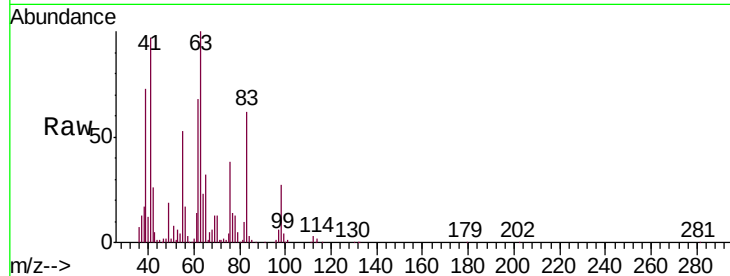




#37
 1,2-Dichloropropane
 Concen: 47.441 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

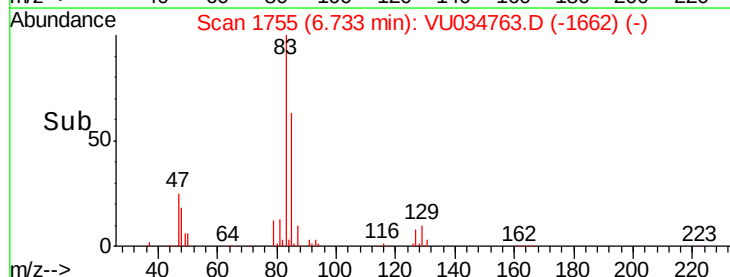
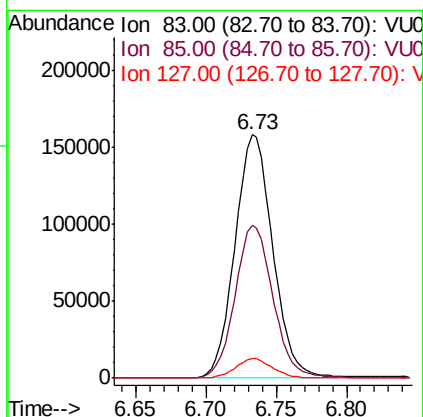
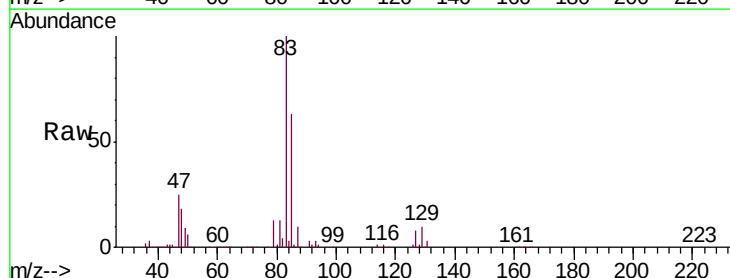
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

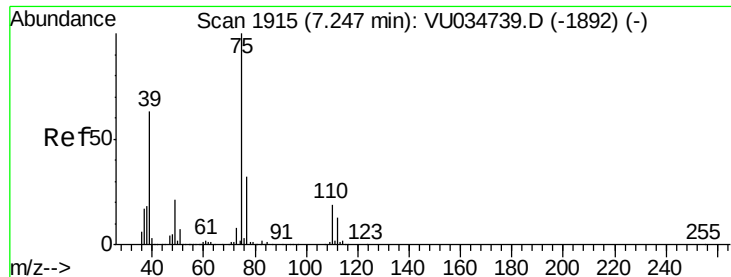
Tgt Ion: 63 Resp: 247665
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.4 3.6



#38
 Bromodichloromethane
 Concen: 46.922 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

Tgt Ion: 83 Resp: 297063
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.5 84.5
 127 8.1 6.1 9.1

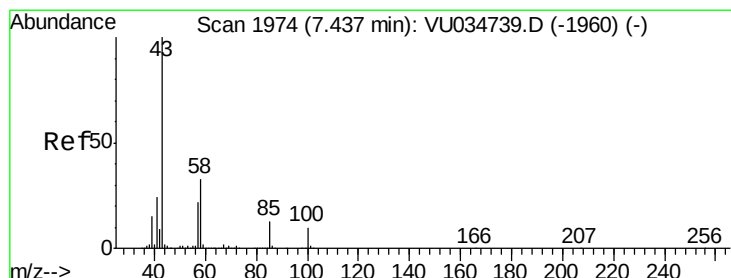
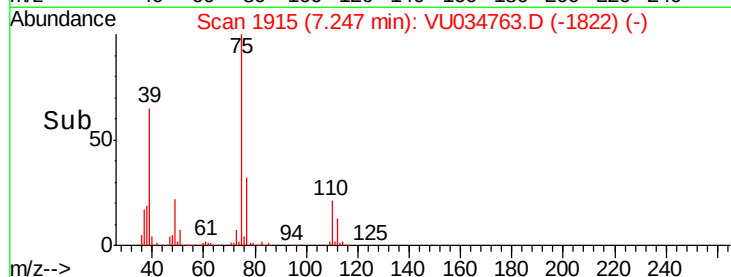
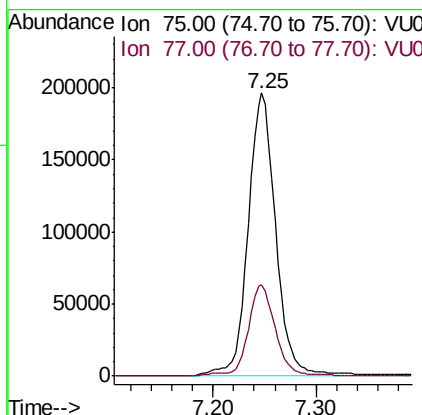
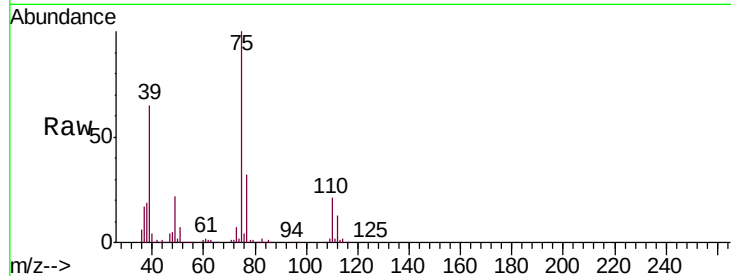




#39
 cis-1,3-Dichloropropene
 Concen: 46.400 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

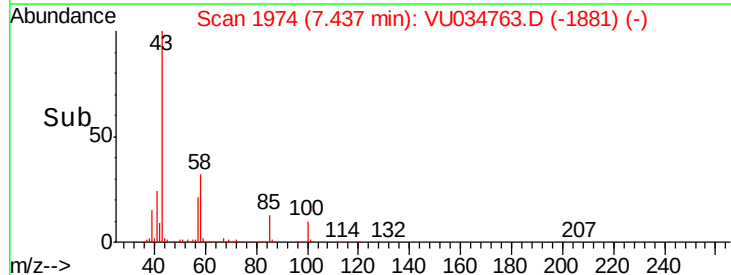
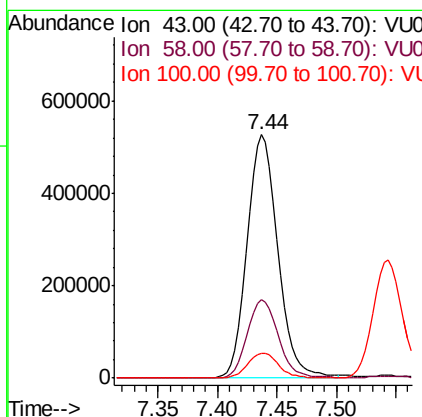
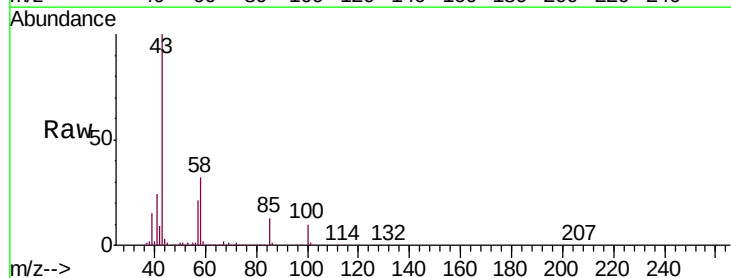
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

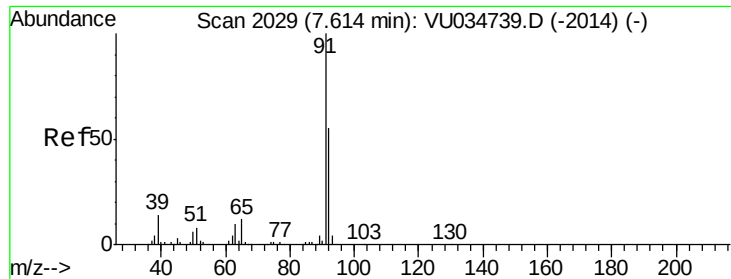
Tgt Ion: 75 Resp: 363963
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 94.429 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

Tgt Ion: 43 Resp: 941147
 Ion Ratio Lower Upper
 43 100
 58 32.8 25.2 37.8
 100 10.5 7.7 11.5





#42

Toluene

Concen: 47.547 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

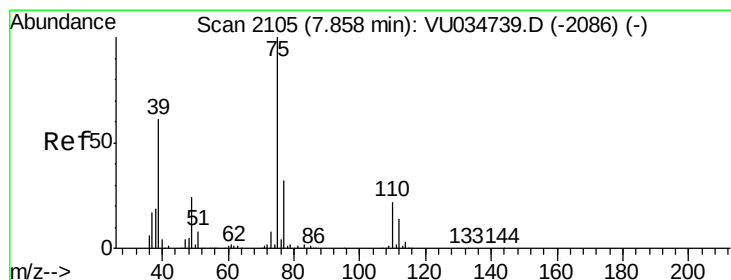
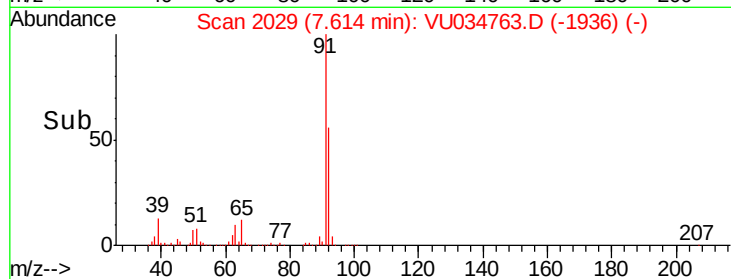
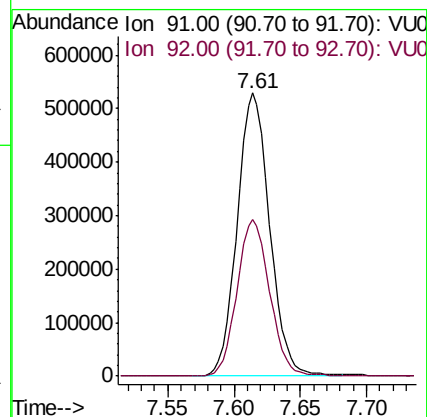
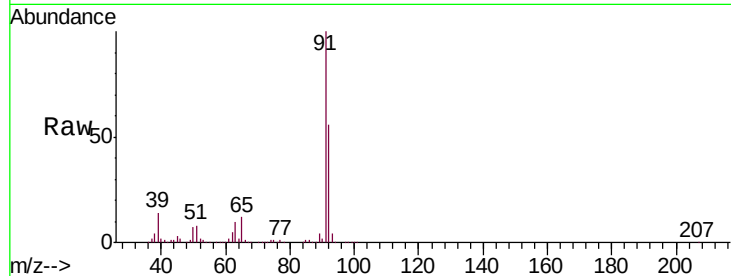
VSTD05042

Tgt Ion: 91 Resp: 900899

Ion Ratio Lower Upper

91 100

92 55.5 38.2 71.0



#44

trans-1,3-Dichloropropene

Concen: 45.945 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034763.D

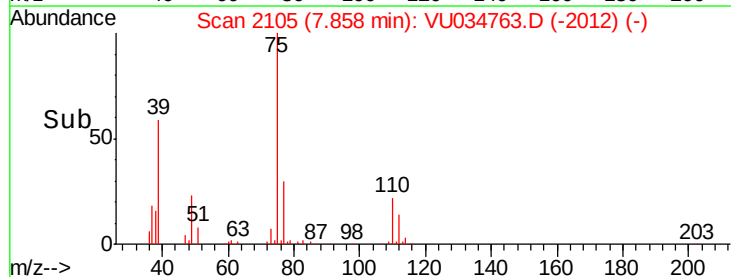
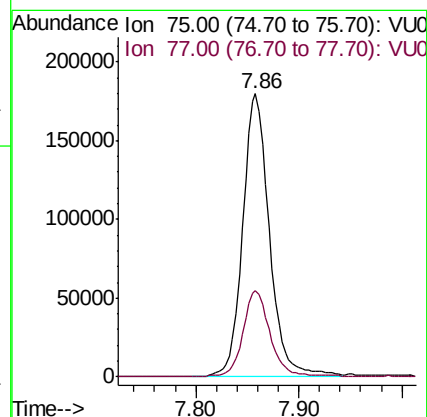
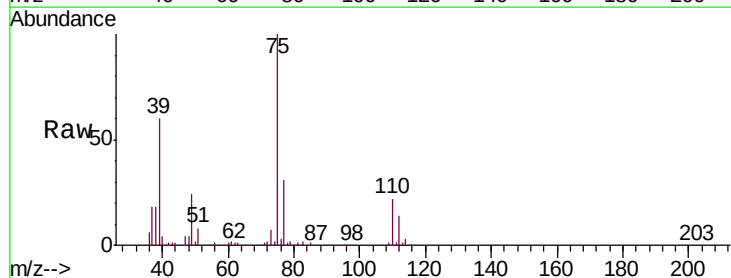
Acq: 24 Sep 2019 03:11

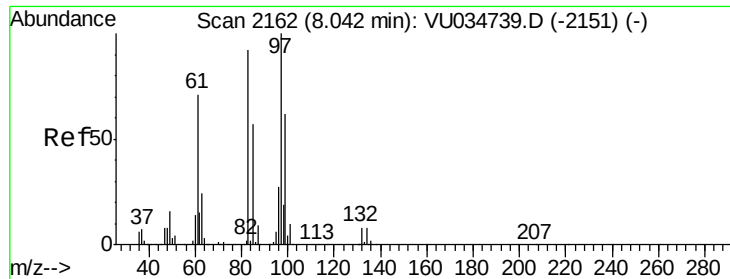
Tgt Ion: 75 Resp: 324890

Ion Ratio Lower Upper

75 100

77 30.5 21.4 39.8

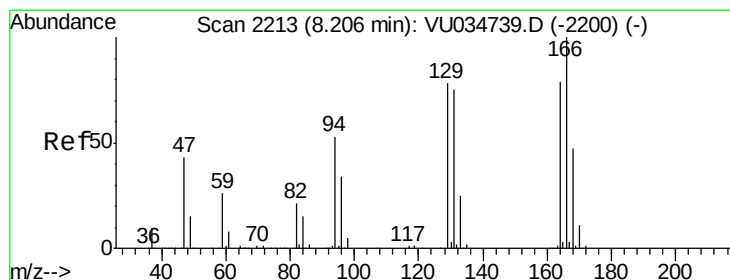
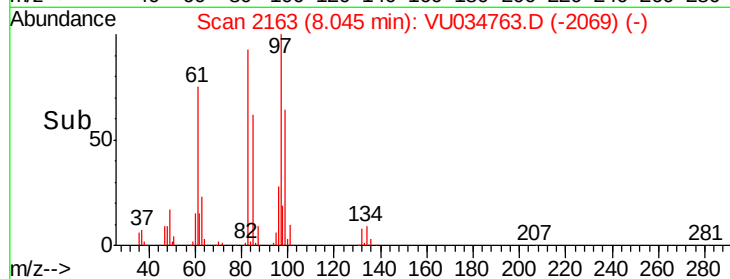
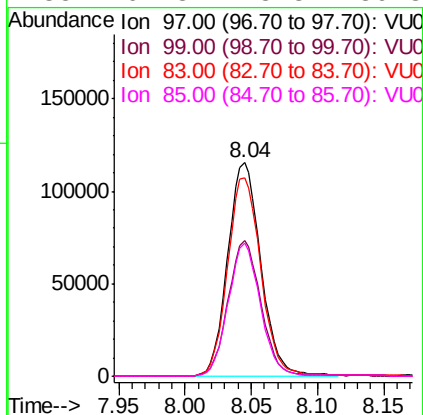
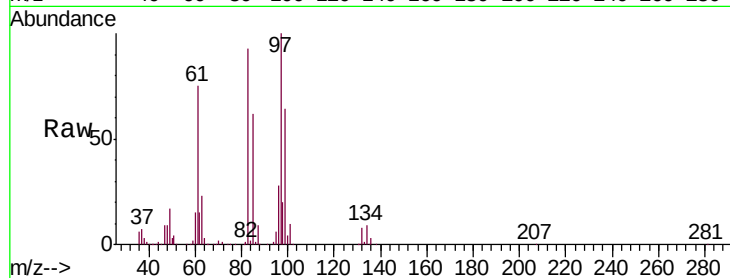




#45
 1,1,2-Trichloroethane
 Concen: 48.228 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

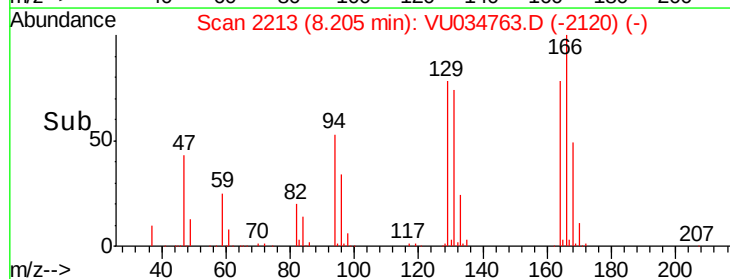
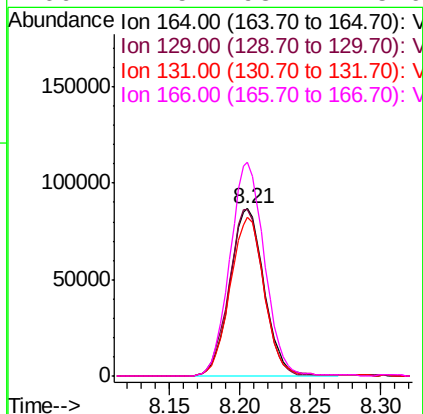
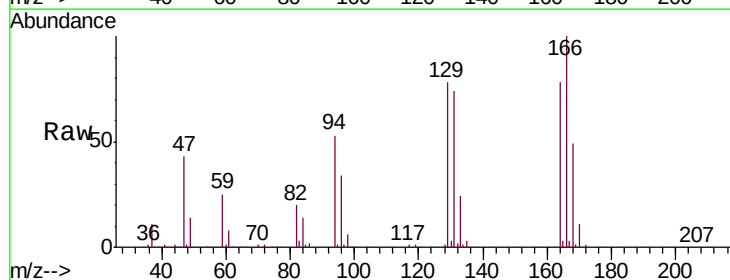
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

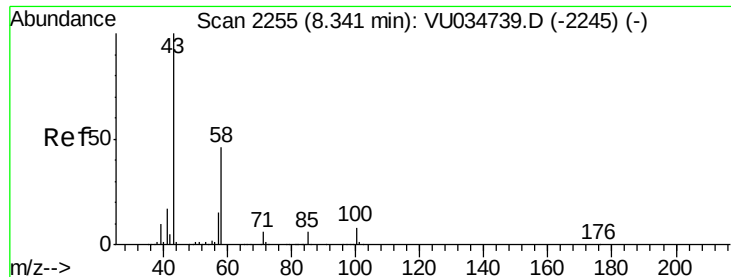
Tgt Ion:	97	Resp:	201669
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.6	81.0
83	92.9	66.9	124.3
85	62.3	43.3	80.3



#46
 Tetrachloroethene
 Concen: 48.827 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

Tgt Ion:	164	Resp:	148711
Ion	Ratio	Lower	Upper
164	100		
129	99.7	71.9	133.5
131	94.6	66.3	123.1
166	127.5	93.4	173.6

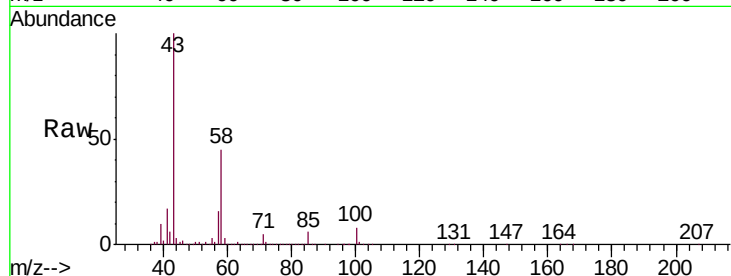




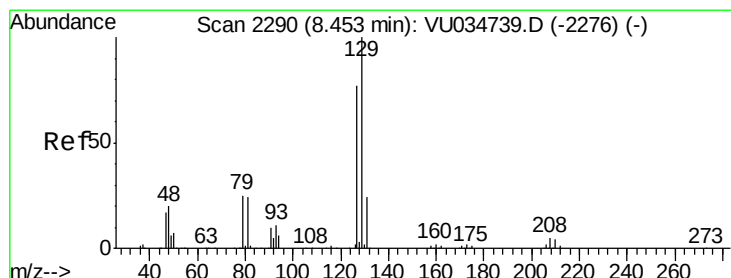
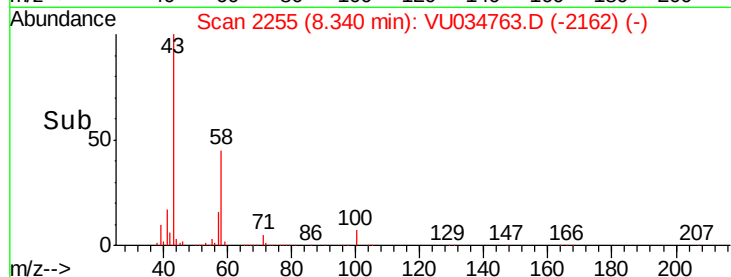
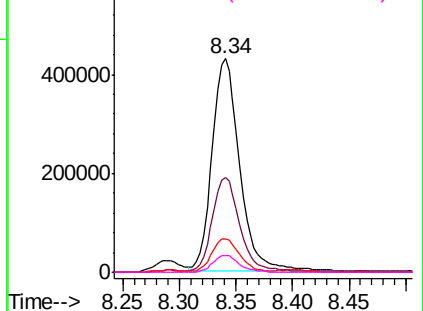
#48
2-Hexanone
Concen: 93.539 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion:	43	Resp:	728132
Ion	Ratio	Lower	Upper
43	100		
58	45.4	35.3	52.9
57	15.6	12.1	18.1
100	7.8	6.2	9.4

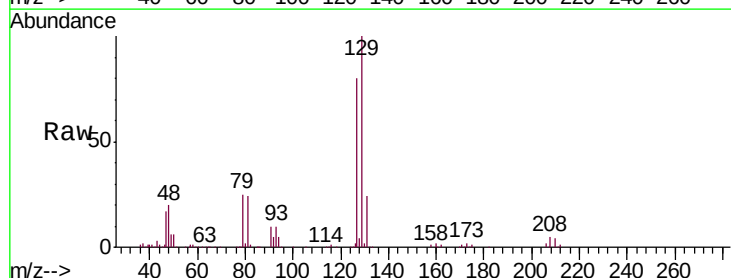


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

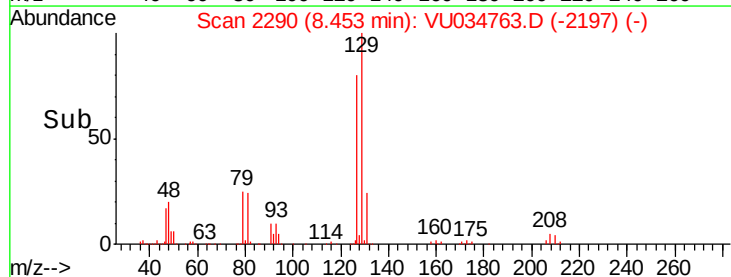
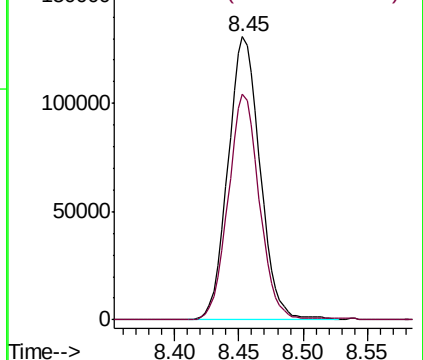


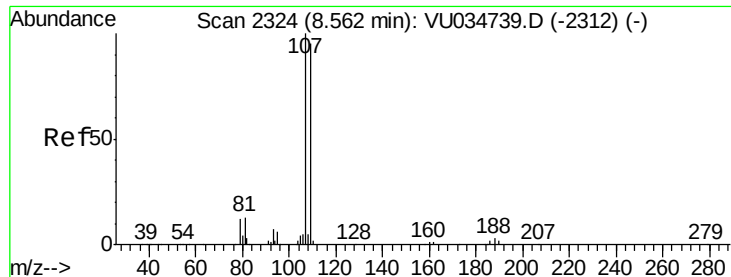
#49
Dibromochloromethane
Concen: 48.462 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

Tgt Ion:	129	Resp:	225881
Ion	Ratio	Lower	Upper
129	100		
127	79.6	55.5	103.1



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

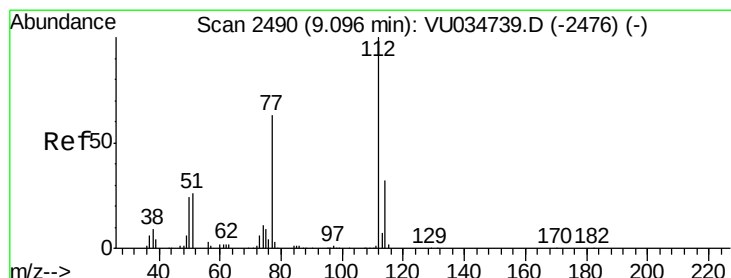
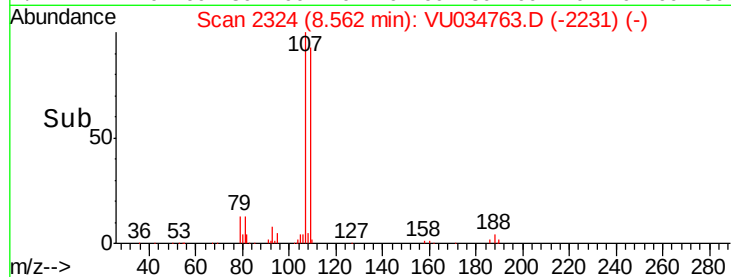
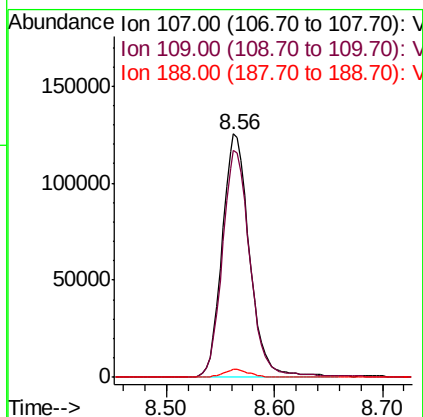
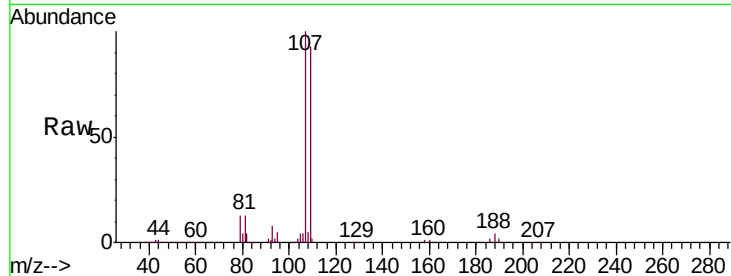




#50
 1,2-Dibromoethane
 Concen: 49.265 ug/L
 RT: 8.56 min Scan# 2324
 Delta R.T. -0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

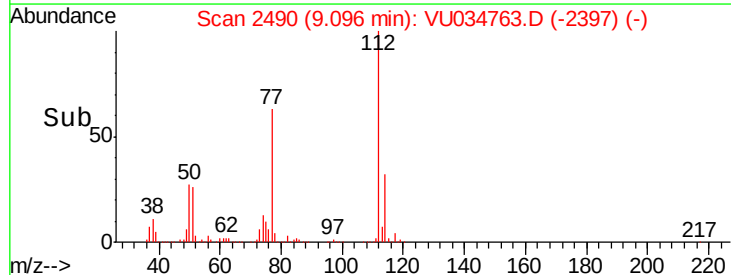
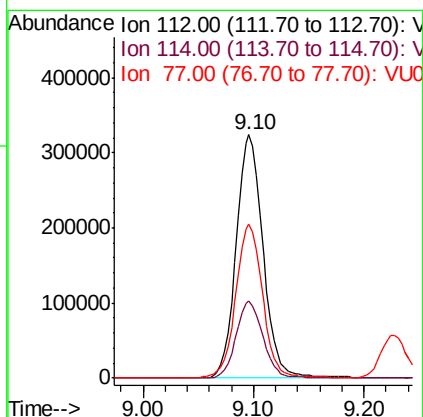
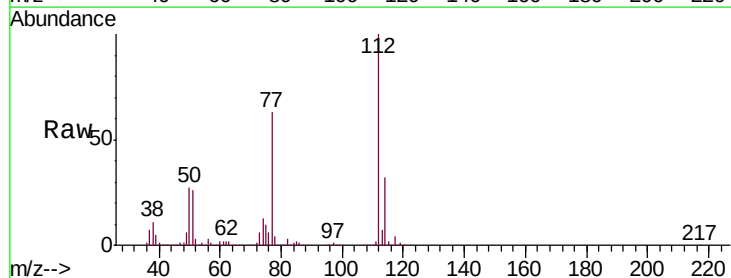
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

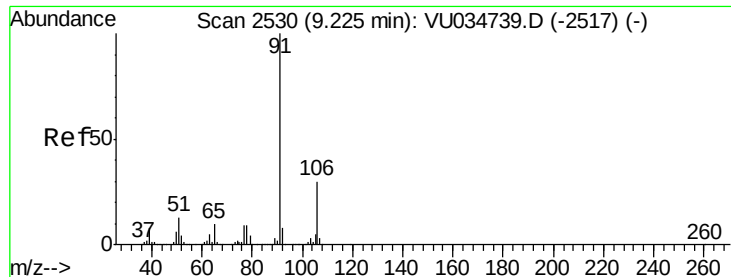
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.5	121.6
188	3.5	2.7	4.1



#51
 Chlorobenzene
 Concen: 47.455 ug/L
 RT: 9.10 min Scan# 2490
 Delta R.T. -0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.8	42.4
77	63.3	51.5	77.3





#52

Ethylbenzene

Concen: 46.033 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

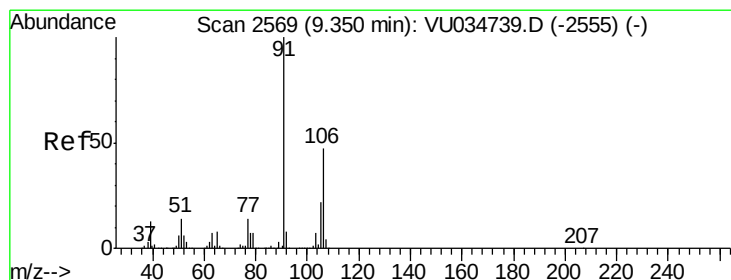
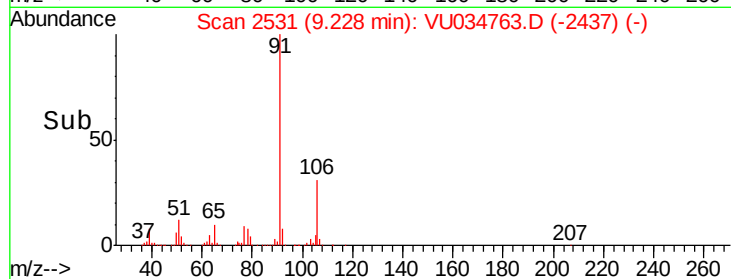
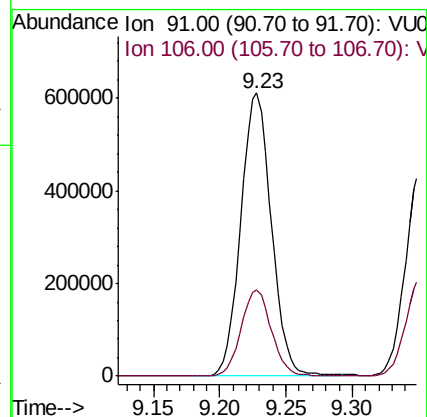
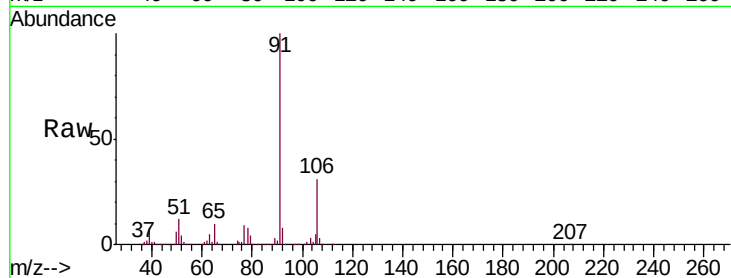
VSTD05042

Tgt Ion: 91 Resp: 982194

Ion Ratio Lower Upper

91 100

106 30.7 20.6 38.4



#53

m,p-Xylene

Concen: 47.544 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034763.D

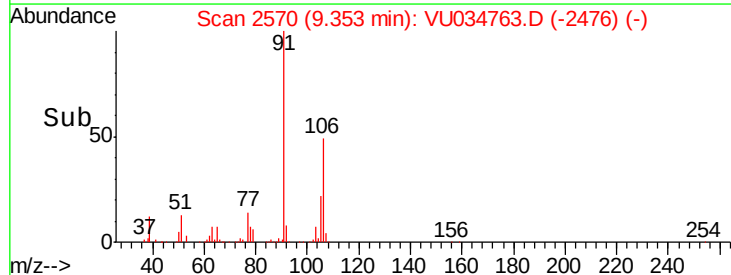
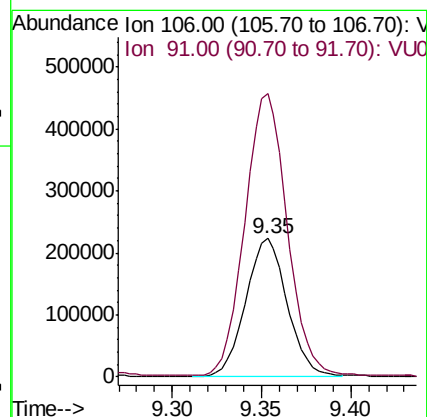
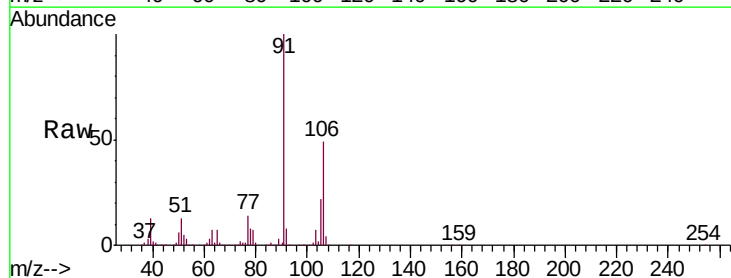
Acq: 24 Sep 2019 03:11

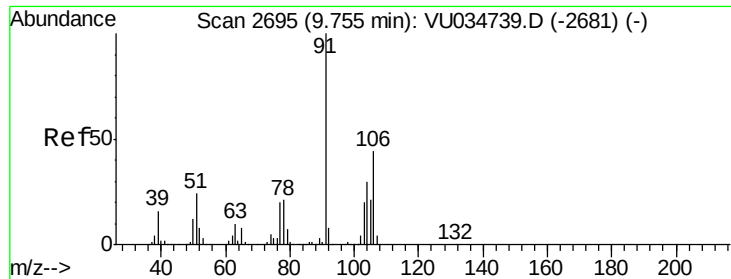
Tgt Ion: 106 Resp: 359305

Ion Ratio Lower Upper

106 100

91 204.7 146.9 272.7

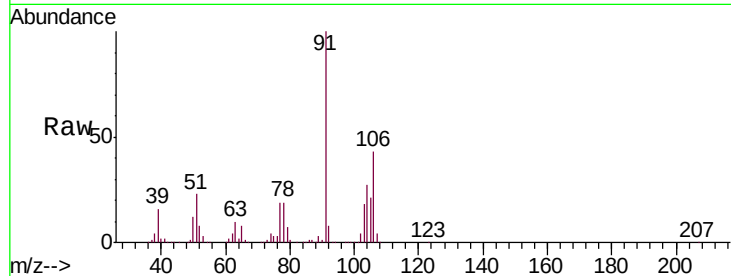




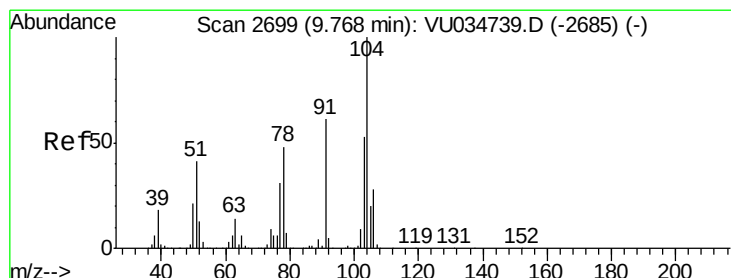
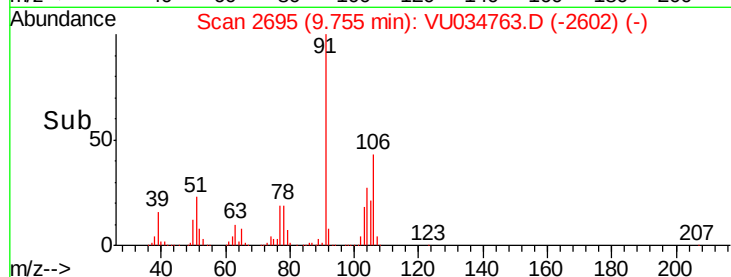
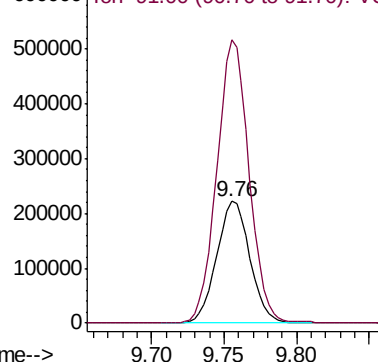
#54
o-xylene
Concen: 47.481 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion:106 Resp: 354915
Ion Ratio Lower Upper
106 100
91 232.1 155.6 289.0

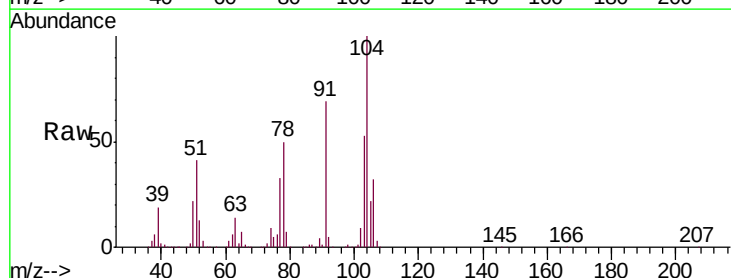


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

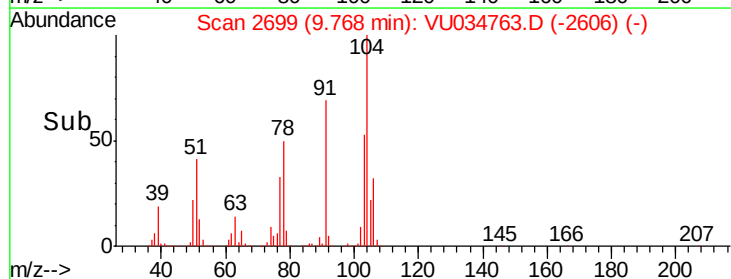
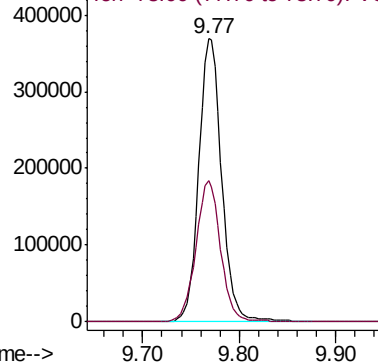


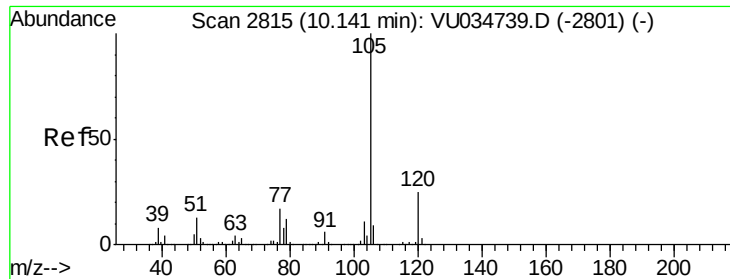
#55
Styrene
Concen: 47.952 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. -0.00 min
Lab File: VU034763.D
Acq: 24 Sep 2019 03:11

Tgt Ion:104 Resp: 606719
Ion Ratio Lower Upper
104 100
78 50.1 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 45.695 ug/L

RT: 10.14 min Scan# 2815

Delta R.T. 0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

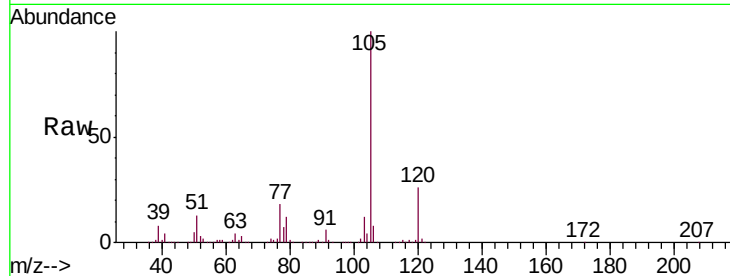
Tgt Ion: 105 Resp: 920975

Ion Ratio Lower Upper

105 100

120 25.8 20.4 30.6

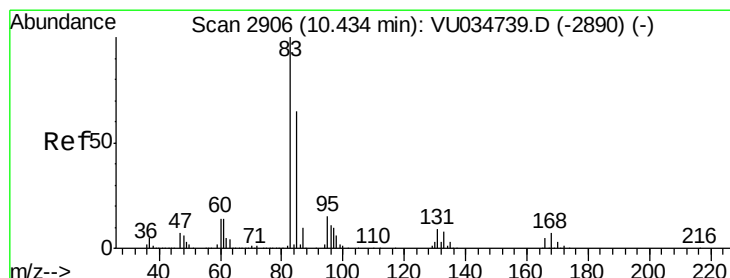
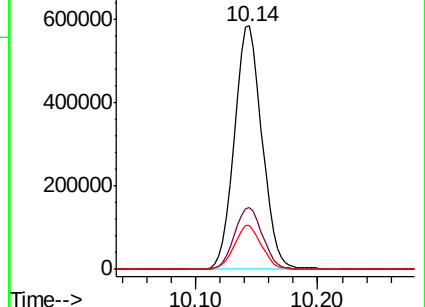
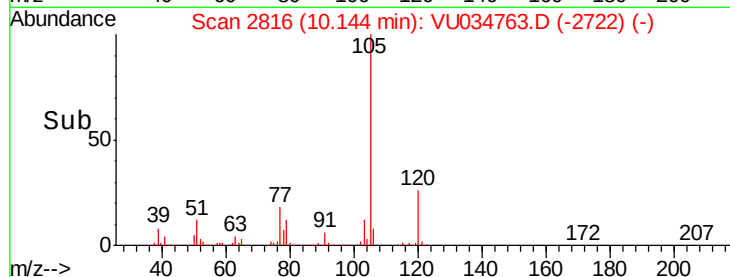
77 17.8 14.2 21.4



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: 46.203 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

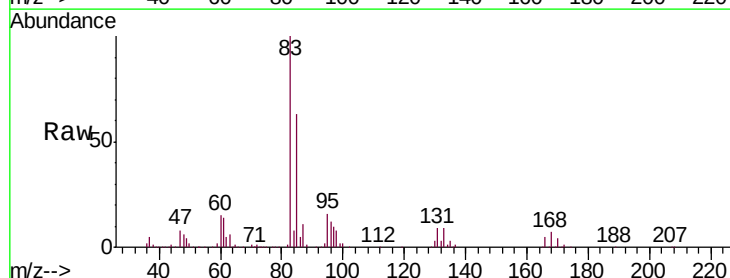
Tgt Ion: 83 Resp: 371080

Ion Ratio Lower Upper

83 100

85 62.7 44.6 82.8

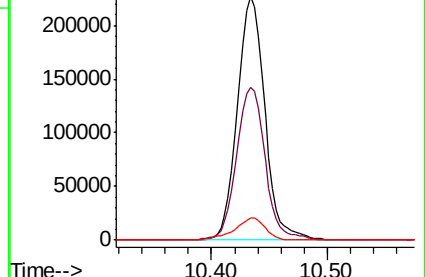
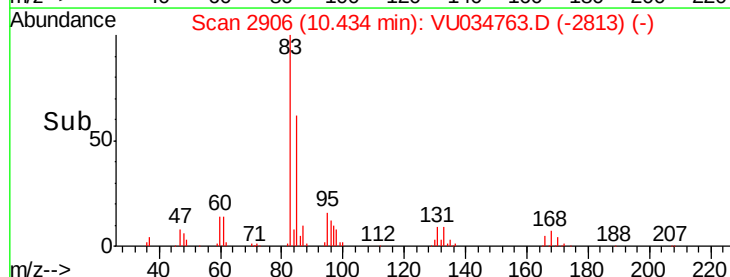
131 9.0 6.6 10.0

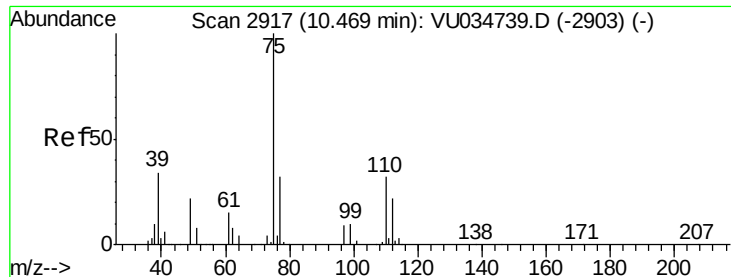


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.875 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

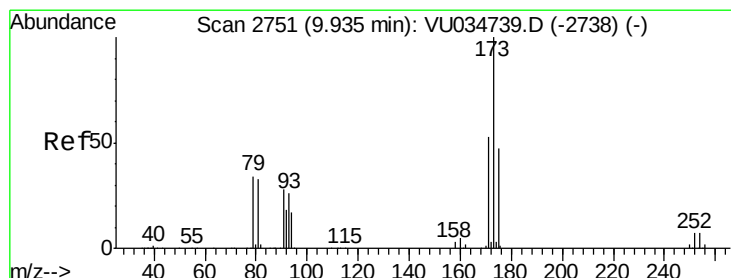
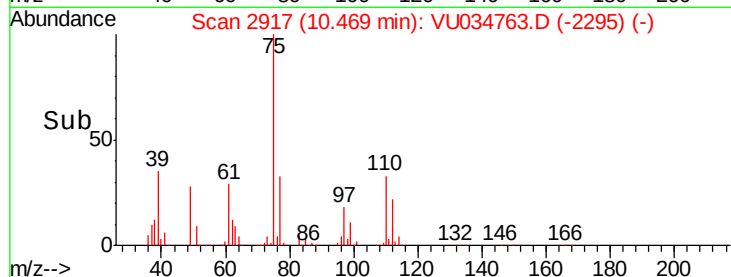
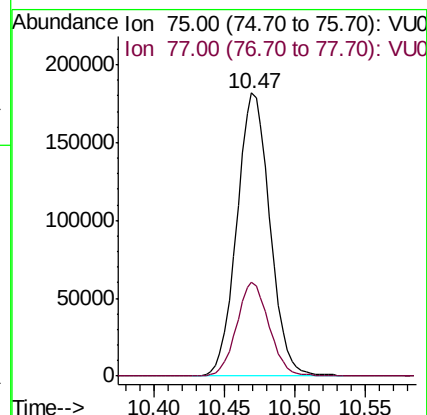
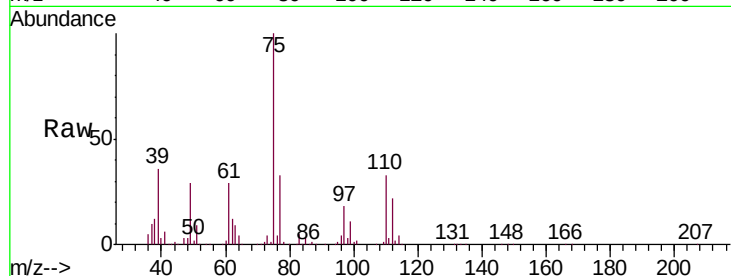
VSTD05042

Tgt Ion: 75 Resp: 299120

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0



#61

Bromoform

Concen: 49.453 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

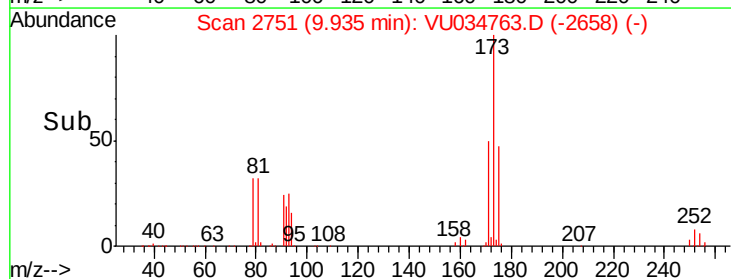
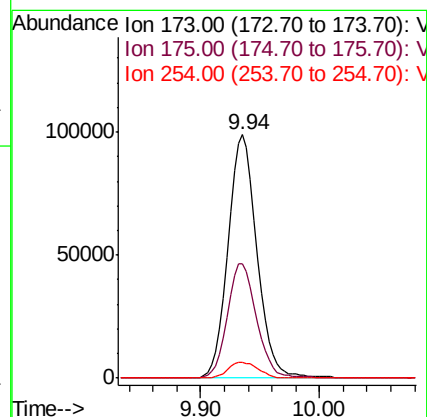
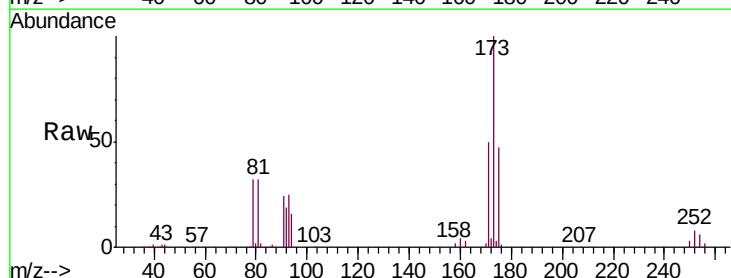
Tgt Ion: 173 Resp: 166513

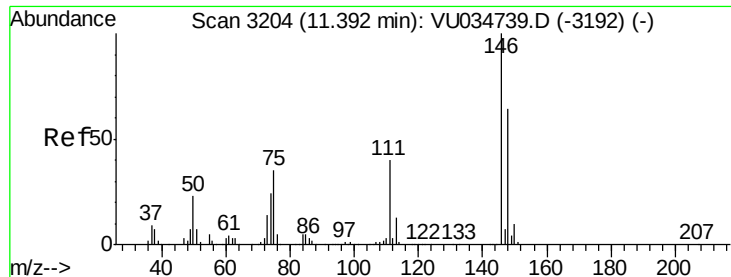
Ion Ratio Lower Upper

173 100

175 47.3 38.8 58.2

254 6.9 5.3 7.9

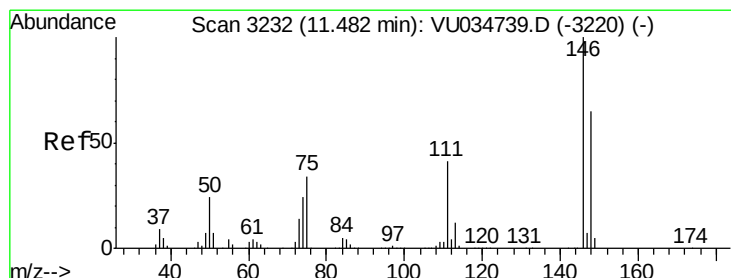
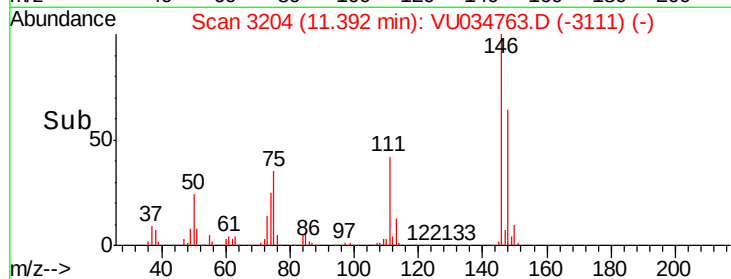
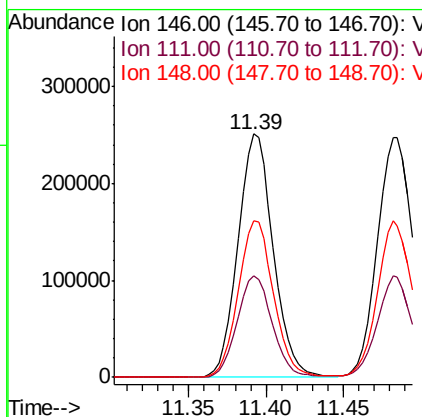
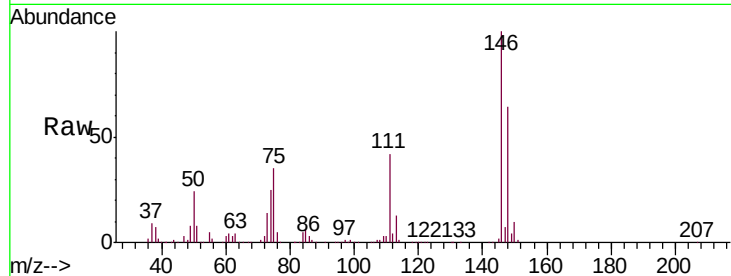




#62
 1,3-Dichlorobenzene
 Concen: 47.013 ug/L
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

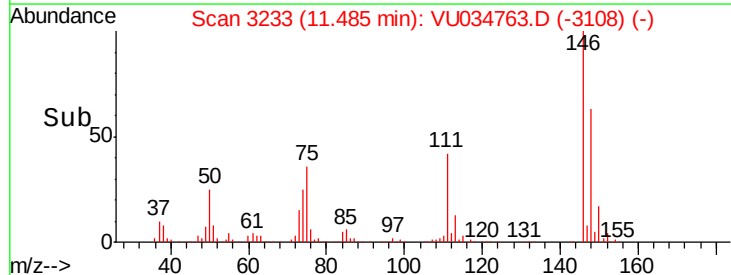
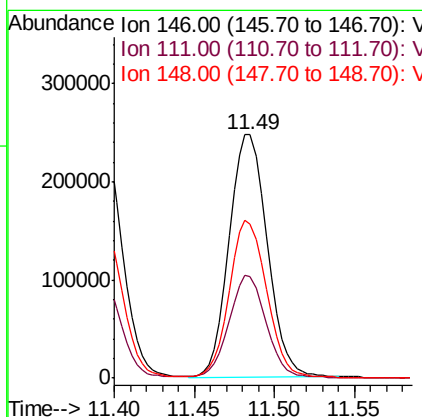
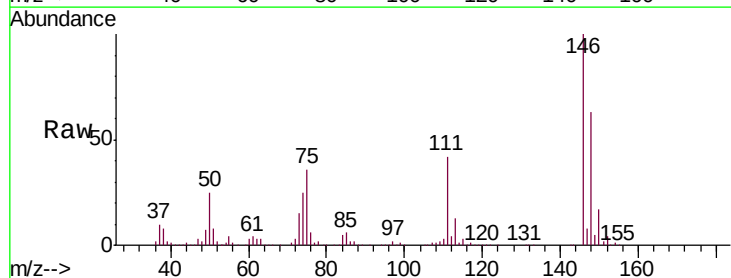
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

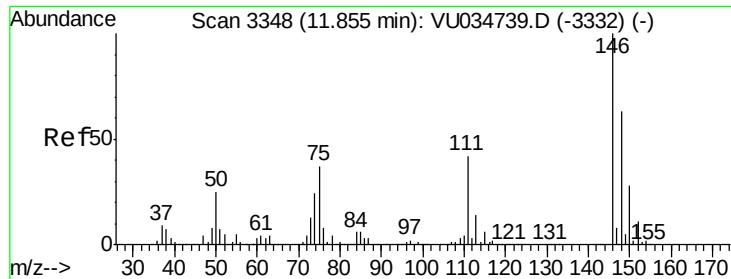
Tgt Ion:146 Resp: 398155
 Ion Ratio Lower Upper
 146 100
 111 41.7 30.4 56.5
 148 64.3 46.1 85.7



#63
 1,4-Dichlorobenzene
 Concen: 46.523 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

Tgt Ion:146 Resp: 401369
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.5 54.9
 148 63.2 44.4 82.4

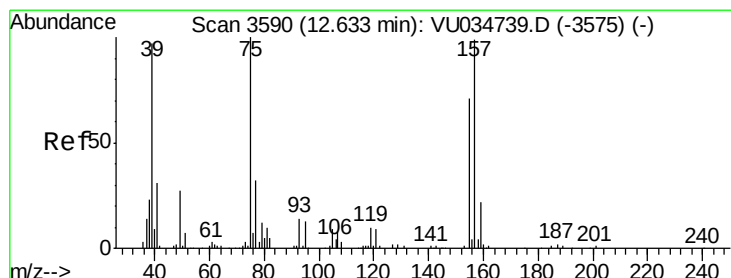
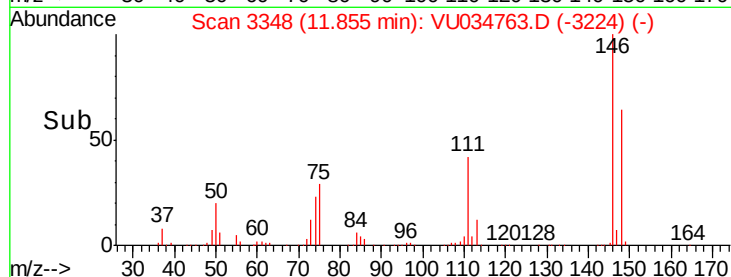
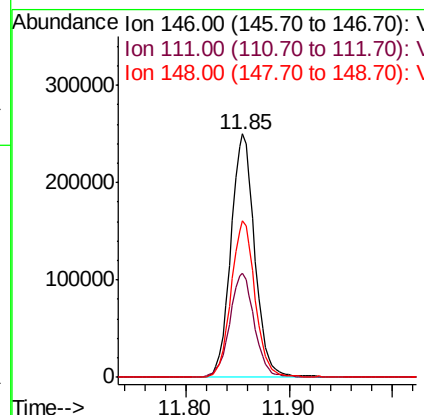
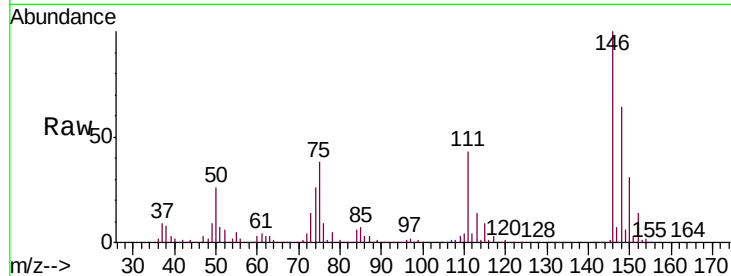




#65
 1,2-Dichlorobenzene
 Concen: 46.944 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

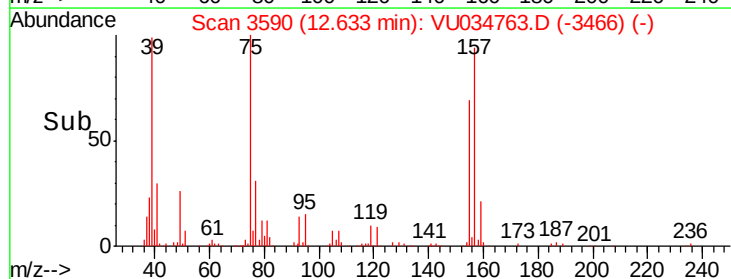
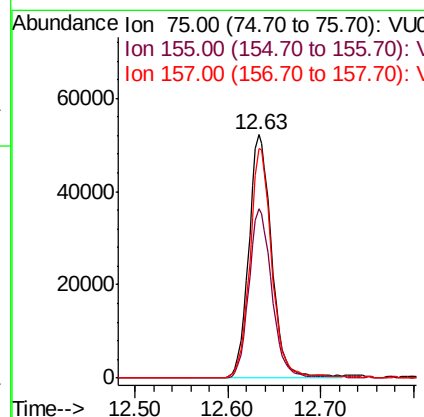
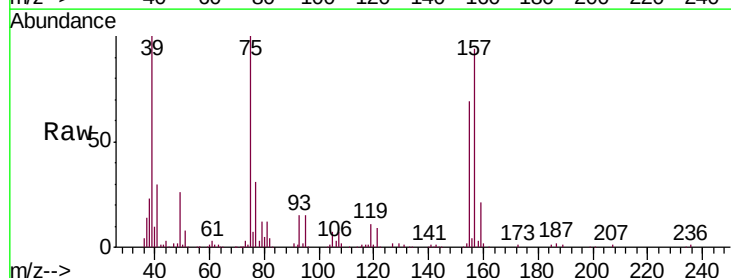
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

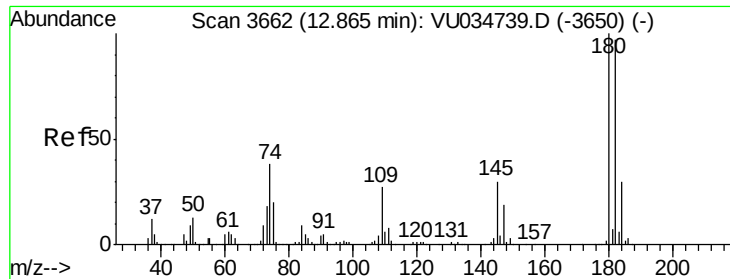
Tgt Ion:146 Resp: 401712
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.2 52.8
 148 64.1 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.088 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

Tgt Ion: 75 Resp: 89284
 Ion Ratio Lower Upper
 75 100
 155 69.4 54.7 82.1
 157 94.1 69.9 104.9

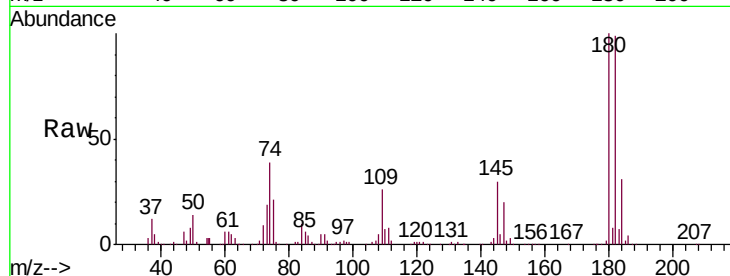




#67
 1,3,5-Trichlorobenzene
 Concen: 46.355 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	79.2	118.8
184	30.1	24.6	36.8
145	29.9	24.9	37.3



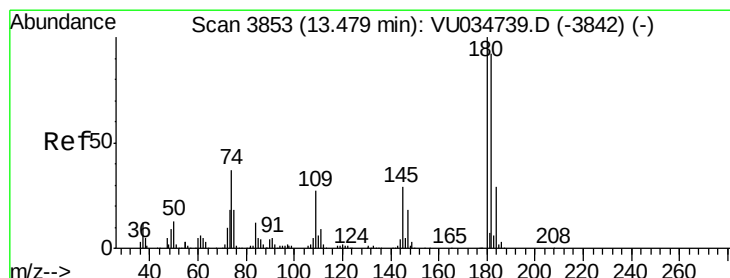
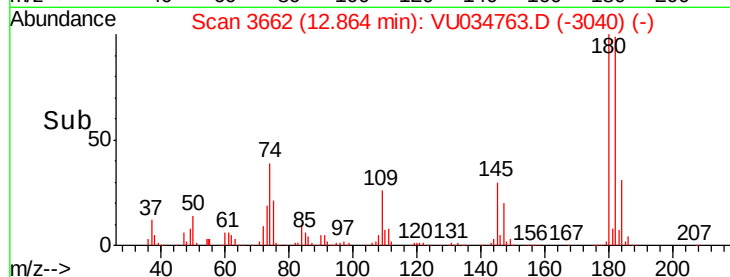
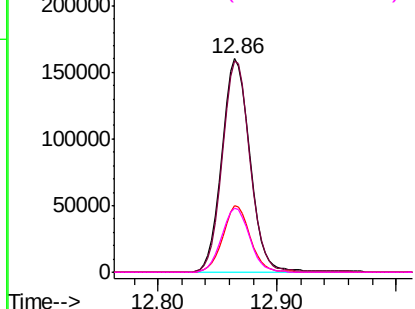
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

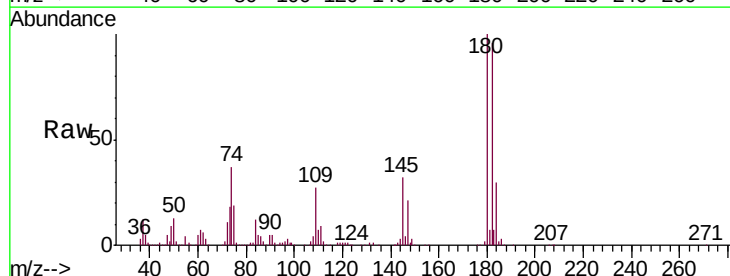
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.067 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034763.D
 Acq: 24 Sep 2019 03:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	75.7	113.5
145	32.1	25.2	37.8

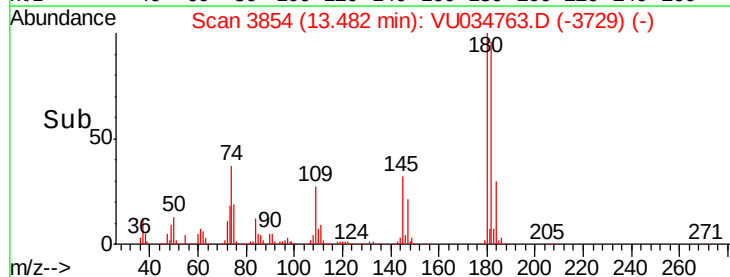
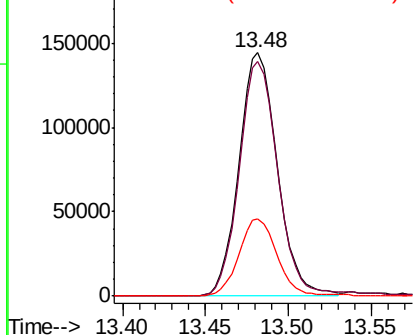


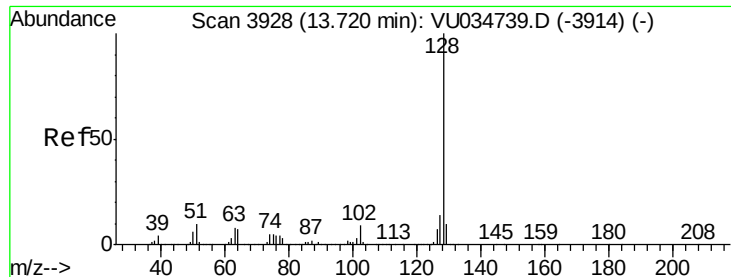
Abundance

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: 56.522 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

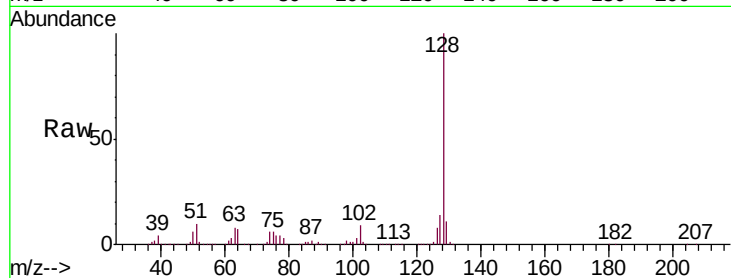
Tgt Ion:128 Resp: 873125

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

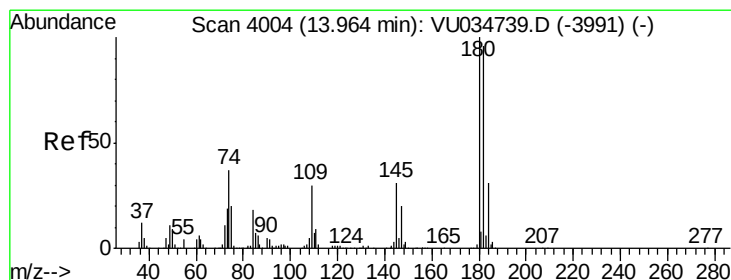
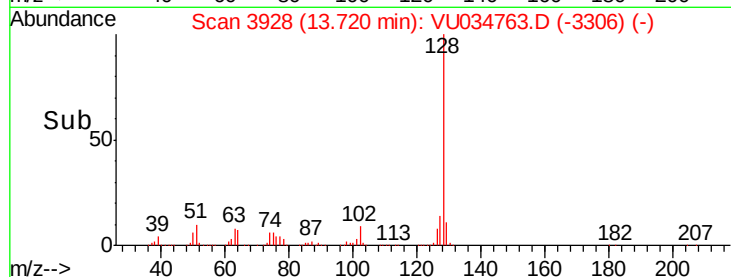
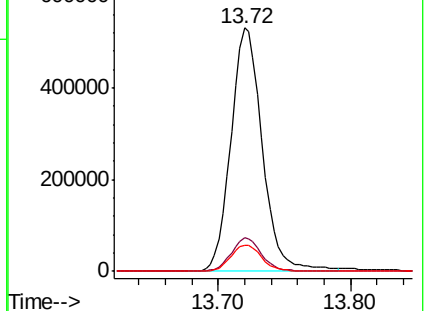
129 10.6 8.6 12.8



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: 51.477 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034763.D

Acq: 24 Sep 2019 03:11

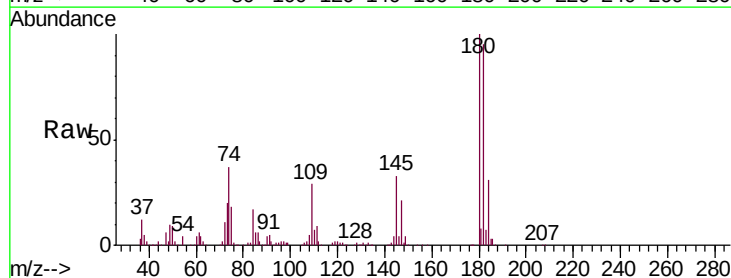
Tgt Ion:180 Resp: 236355

Ion Ratio Lower Upper

180 100

182 96.4 79.2 118.8

145 32.2 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

