

Data File : VU032046.D
Acq On : 16 May 2019 13:53
Operator : JC/SP
Sample : VSTD02010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02010

Quant Time: May 17 02:18:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 02:13:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	441545	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	434222	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	212933	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	713888	17.25	ug/L	0.00
7) Chloroethane-d5	1.67	69	610182	18.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	1166841	18.20	ug/L	0.00
20) 2-Butanone-d5	4.19	46	1553215	174.96	ug/L	0.00
24) Chloroform-d	4.64	84	1317503	19.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	646284	18.92	ug/L	0.00
32) Benzene-d6	5.33	84	2764642	19.81	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	804512	18.70	ug/L	0.00
41) Toluene-d8	7.56	98	2603268	21.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	317866	21.76	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	1540801	220.38	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	673180	20.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	900830	19.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	430268	19.651 ug/L	99
3) Chloromethane	1.32	50	382337	15.387 ug/L	99
5) Vinyl chloride	1.40	62	429615	17.705 ug/L	99
6) Bromomethane	1.62	94	230735	17.885 ug/L	92
8) Chloroethane	1.69	64	247288	15.493 ug/L	98
9) Trichlorofluoromethane	1.88	101	531642	19.924 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	343491	19.647 ug/L	98
12) 1,1-Dichloroethene	2.28	96	341806	19.729 ug/L	84
13) Acetone	2.33	43	427962	153.564 ug/L	99
14) Carbon disulfide	2.47	76	1075795	18.135 ug/L	99
15) Methyl Acetate	2.62	43	114816	14.134 ug/L	97
16) Methylene chloride	2.69	84	359840	17.654 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	793301	18.727 ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	362889	19.021 ug/L	97
19) 1,1-Dichloroethane	3.43	63	581663	18.010 ug/L	99
21) 2-Butanone	4.28	43	716058	168.167 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	370406	19.478 ug/L	99
23) Bromochloromethane	4.54	128	159511	19.495 ug/L	99
25) Chloroform	4.67	83	616430	18.622 ug/L	100
27) 1,2-Dichloroethane	5.40	62	369170	19.225 ug/L	99
29) 1,1,1-Trichloroethane	4.90	97	504808	20.372 ug/L	97
30) Cyclohexane	4.98	56	510991	18.929 ug/L	98
31) Carbon tetrachloride	5.13	117	435114	20.655 ug/L	100
33) Benzene	5.38	78	1394010	19.572 ug/L	100
34) Trichloroethene	6.18	95	355968	18.803 ug/L	96
35) Methylcyclohexane	6.41	83	585813	21.986 ug/L	97
37) 1,2-Dichloropropane	6.43	63	330608	18.509 ug/L	98
38) Bromodichloromethane	6.75	83	424743	19.658 ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	517411	22.281 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1702528	180.360 ug/L	98

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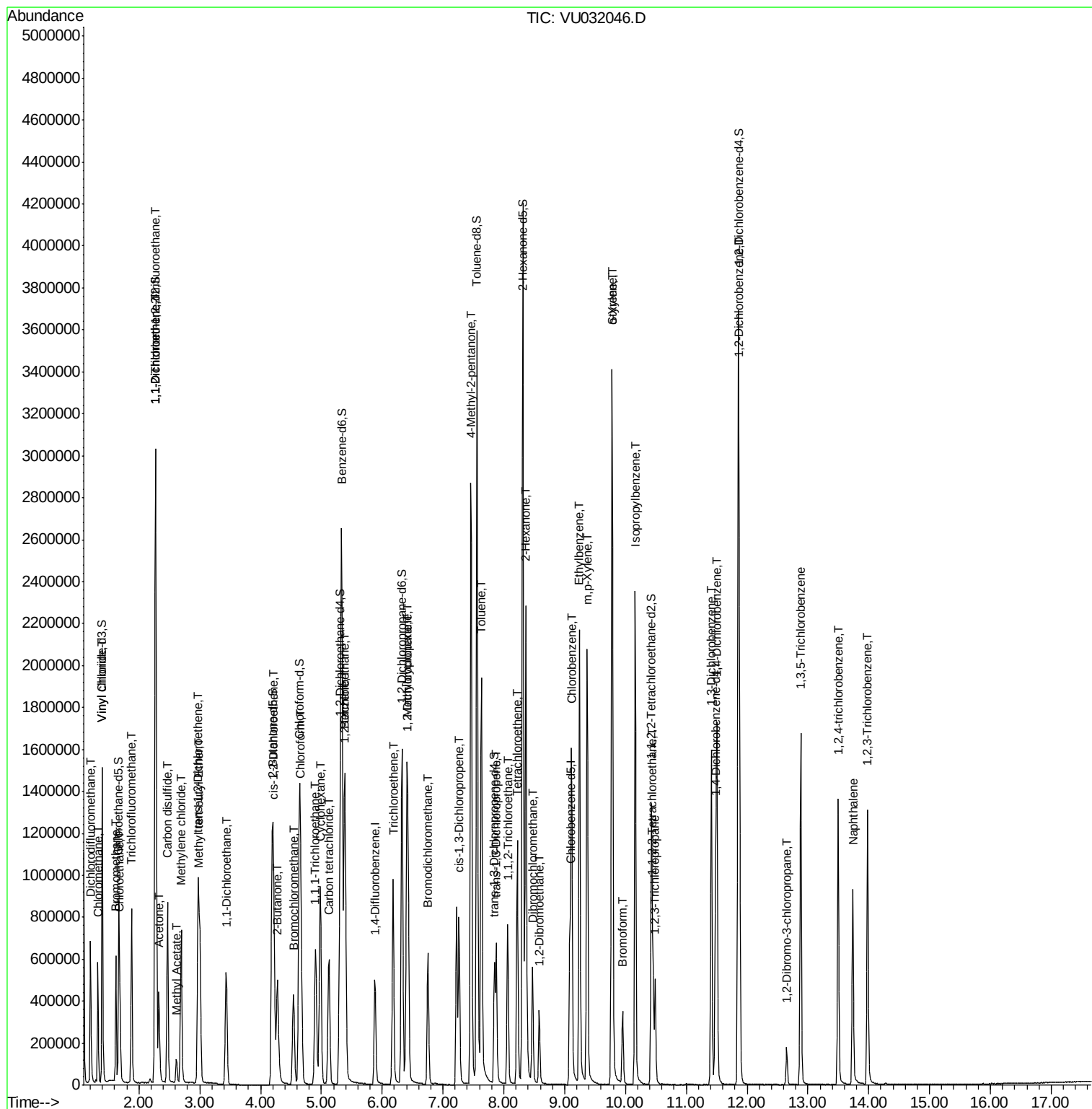
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1531021	21.021	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	400785	21.963	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	252967	20.193	ug/L	98
47) Tetrachloroethene	8.22	164	283494	21.198	ug/L	96
48) 2-Hexanone	8.36	43	1311173	183.937	ug/L	97
49) Dibromochloromethane	8.47	129	288205	21.131	ug/L	100
50) 1,2-Dibromoethane	8.58	107	237020	20.616	ug/L #	97
51) Chlorobenzene	9.12	112	924883	20.683	ug/L	95
52) Ethylbenzene	9.24	91	1594613	21.810	ug/L	99
53) m,p-Xylene	9.37	106	632939	23.446	ug/L	98
54) o-Xylene	9.77	106	605434	23.049	ug/L	100
55) Styrene	9.79	104	1055200	24.703	ug/L	98
56) Isopropylbenzene	10.16	105	1569345	23.513	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	313238	20.290	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	212503	19.568	ug/L	100
61) Bromoform	9.95	173	162665	20.044	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	682727	19.463	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	708031	19.794	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	693838	19.969	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	47194	19.501	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	545080	21.474	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	440933	25.296	ug/L	99
69) Naphthalene	13.74	128	779983	26.628	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	440458	24.748	ug/L	100

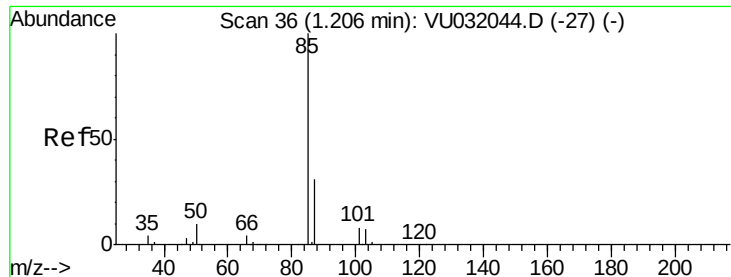
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.651 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

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Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

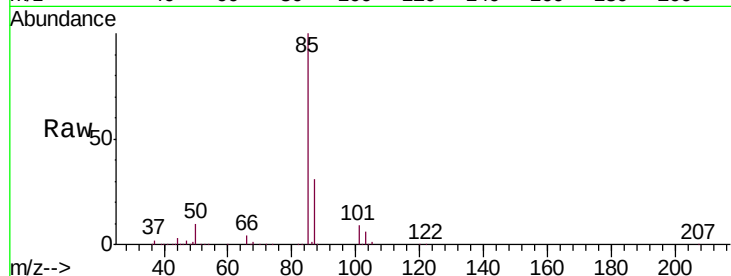
VSTD02010

Tgt Ion: 85 Resp: 430268

Ion Ratio Lower Upper

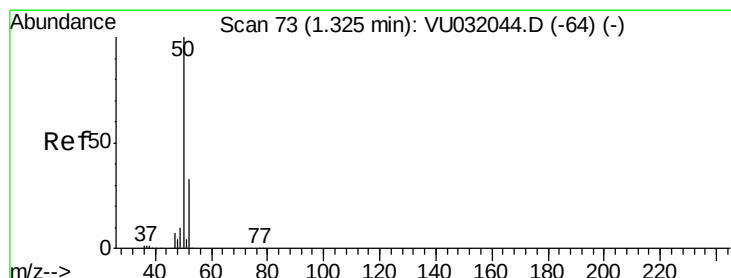
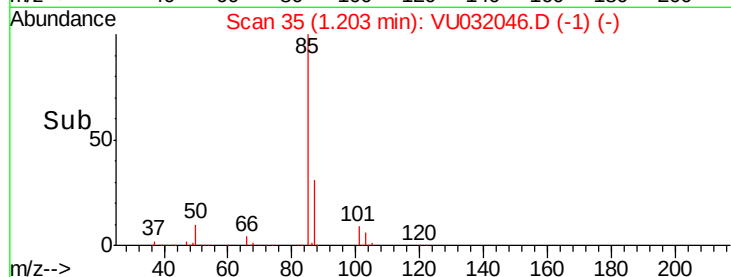
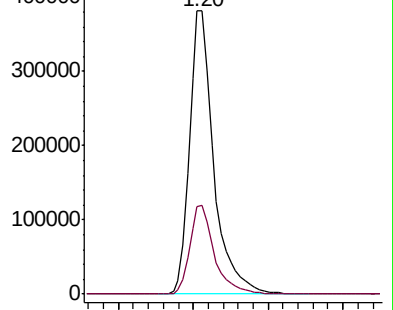
85 100

87 31.7 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VU032046.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU032046.D (-27) (-)



#3

Chloromethane

Concen: 15.387 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032046.D

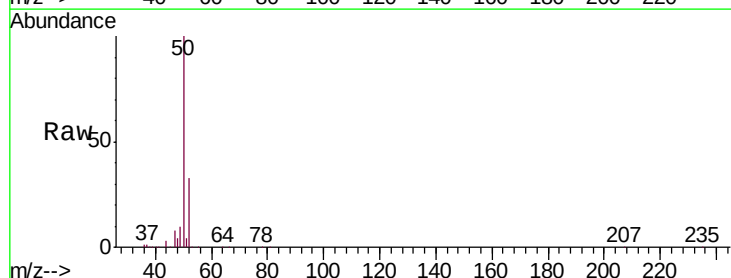
Acq: 16 May 2019 13:53

Tgt Ion: 50 Resp: 382337

Ion Ratio Lower Upper

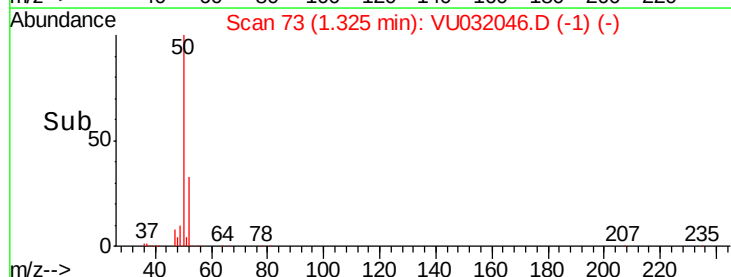
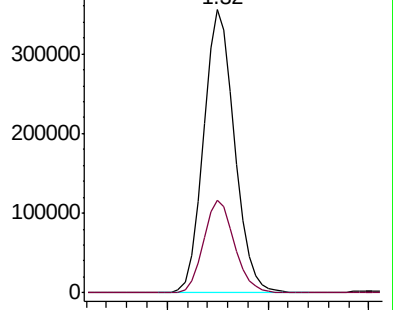
50 100

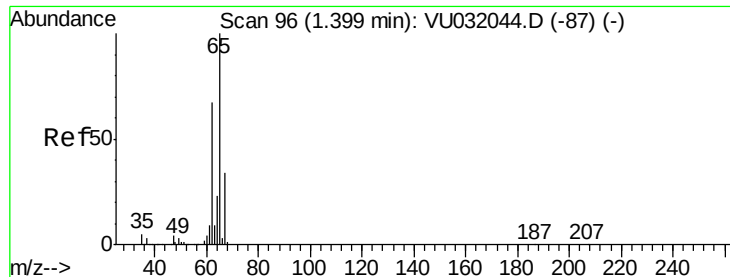
52 32.8 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU032046.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU032046.D (-64) (-)





#5

Vinyl chloride

Concen: 17.705 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

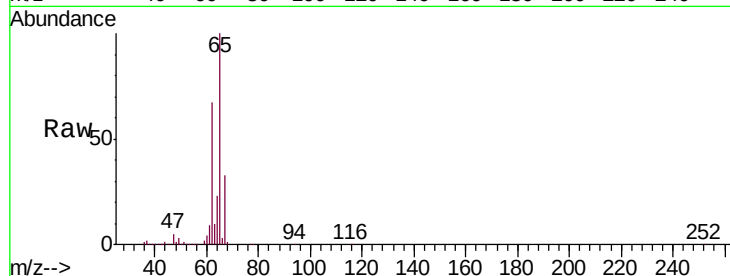
VSTD02010

Tgt Ion: 62 Resp: 429615

Ion Ratio Lower Upper

62 100

64 34.7 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU032046.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU032046.D (-87) (-)

1.40

400000

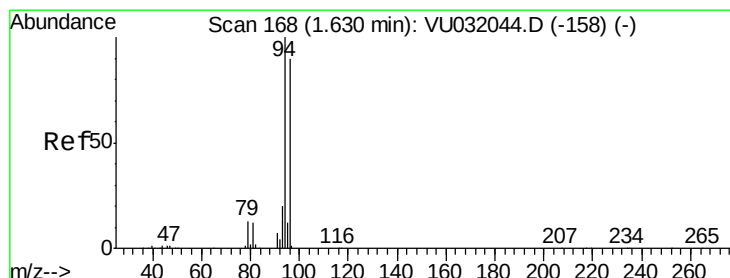
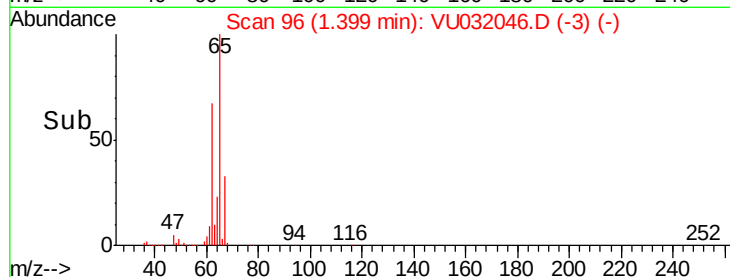
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 17.885 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.01 min

Lab File: VU032046.D

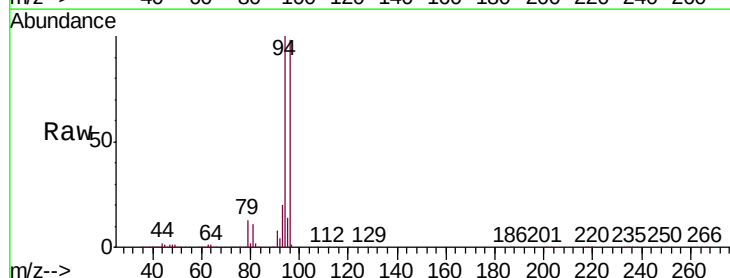
Acq: 16 May 2019 13:53

Tgt Ion: 94 Resp: 230735

Ion Ratio Lower Upper

94 100

96 97.9 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU032046.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU032046.D (-158) (-)

250000

200000

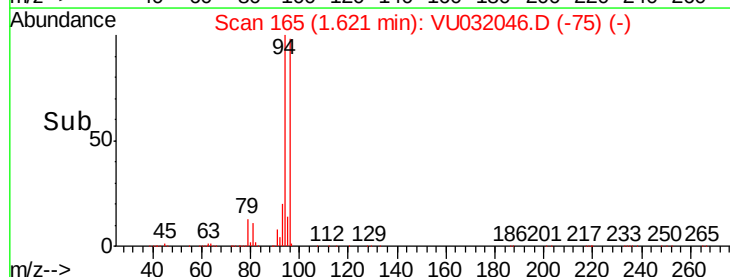
150000

100000

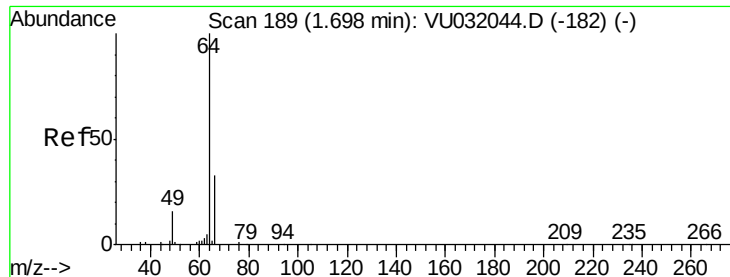
50000

0

Time-->



Time-->



#8

Chloroethane

Concen: 15.493 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

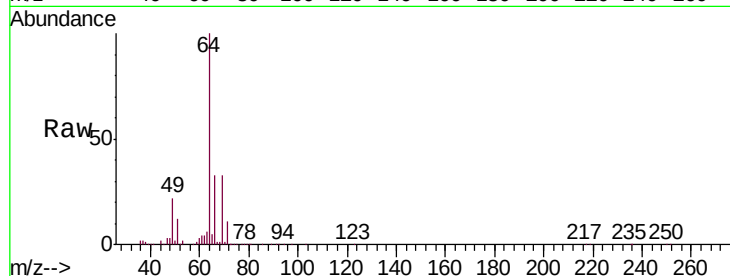
VSTD02010

Tgt Ion: 64 Resp: 247288

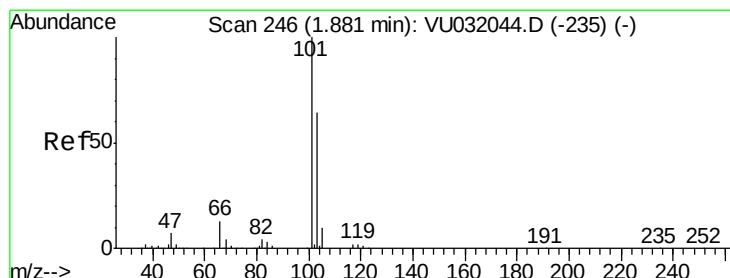
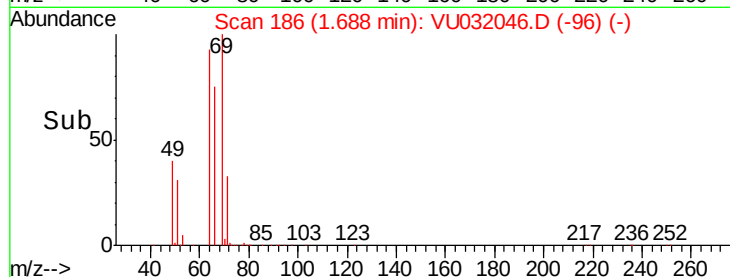
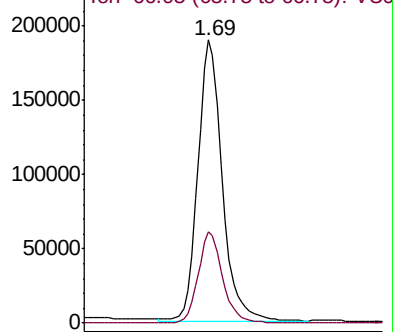
Ion Ratio Lower Upper

64 100

66 32.5 22.0 41.0



Abundance Ion 64.10 (63.80 to 64.80): VU032046.D (-182) (-)



#9

Trichlorofluoromethane

Concen: 19.924 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032046.D

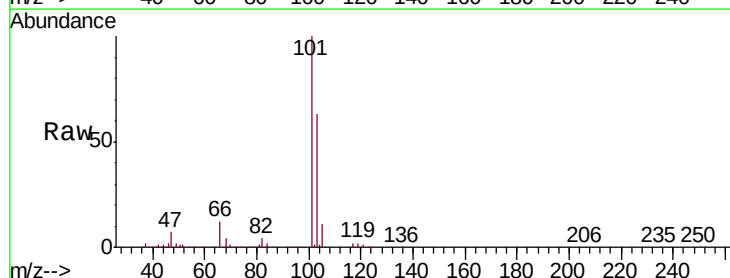
Acq: 16 May 2019 13:53

Tgt Ion: 101 Resp: 531642

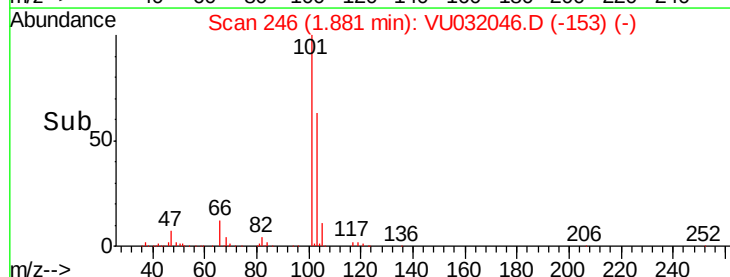
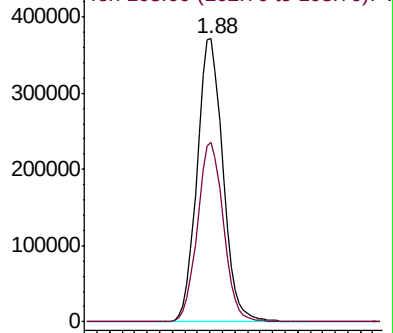
Ion Ratio Lower Upper

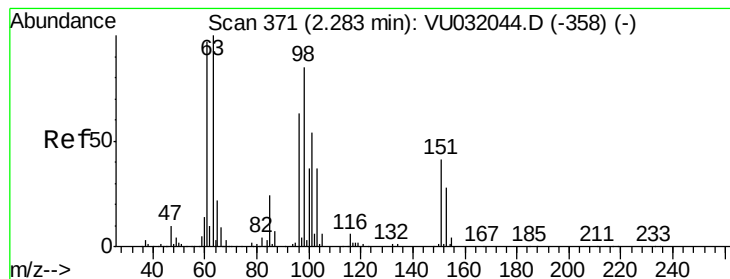
101 100

103 63.7 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU032046.D (-235) (-)





#10

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

Concen: 19.647 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD02010

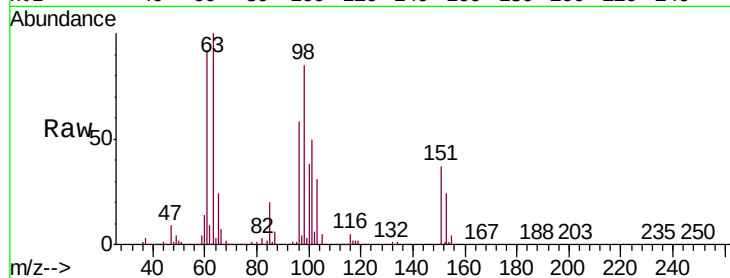
Tgt Ion: 101 Resp: 343491

Ion Ratio Lower Upper

101 100

85 40.2 33.8 50.8

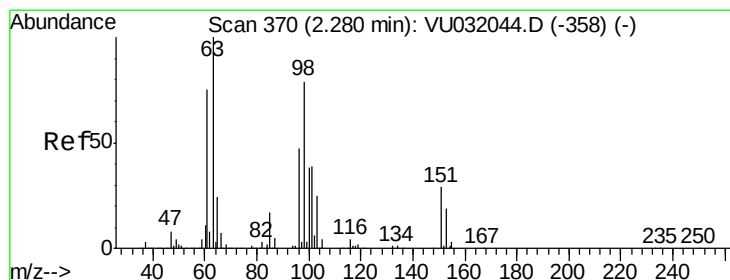
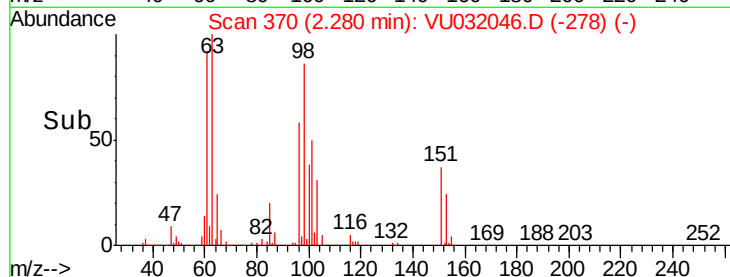
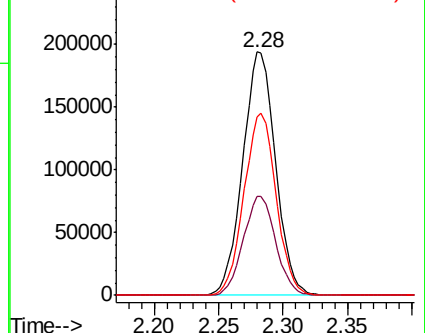
151 73.5 59.4 89.2



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: 19.729 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

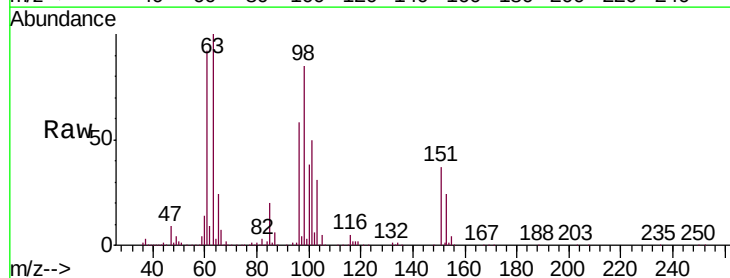
Tgt Ion: 96 Resp: 341806

Ion Ratio Lower Upper

96 100

61 159.5 111.7 207.5

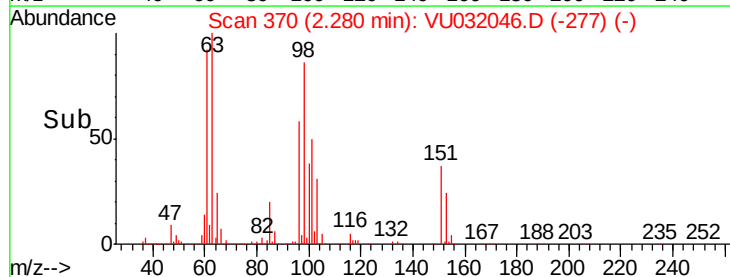
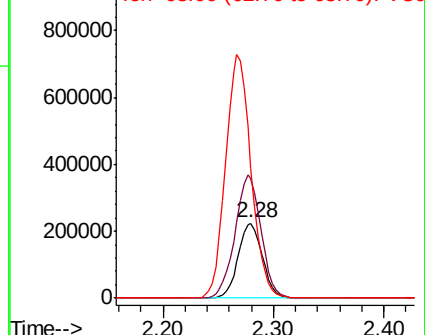
63 172.9 152.2 282.6

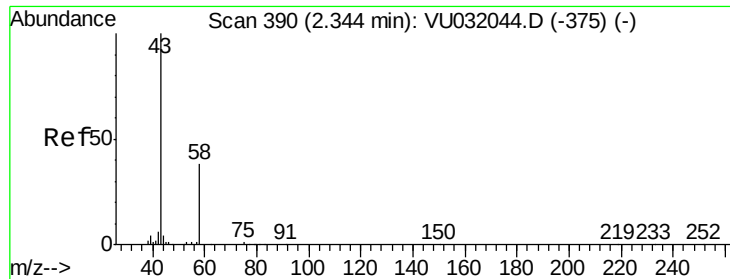


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 153.564 ug/L

RT: 2.33 min Scan# 385

Delta R.T. -0.02 min

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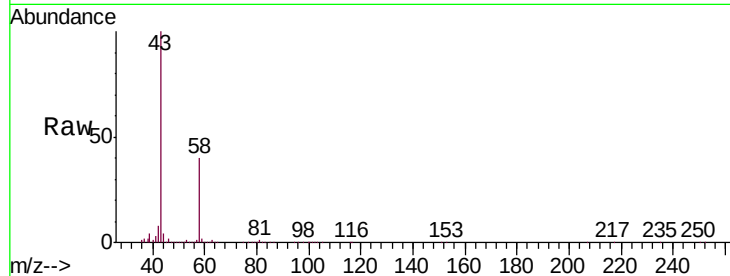
VSTD02010

Tgt Ion: 43 Resp: 427962

Ion Ratio Lower Upper

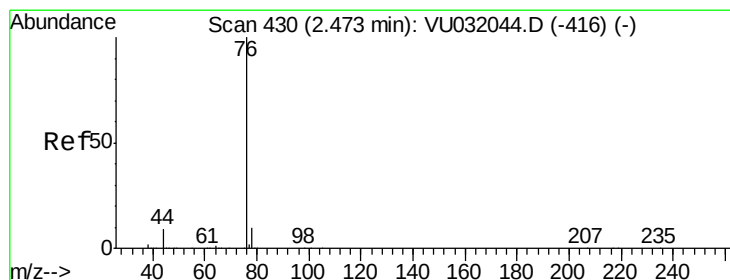
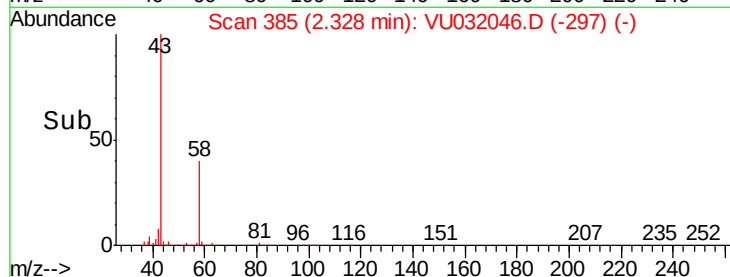
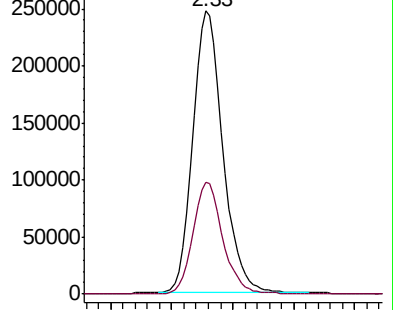
43 100

58 38.9 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032044.D (-375) (-)

Ion 58.05 (57.75 to 58.75): VU032044.D (-375) (-)



#14

Carbon disulfide

Concen: 18.135 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032046.D

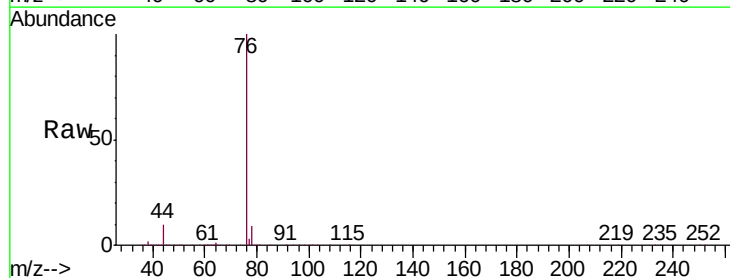
Acq: 16 May 2019 13:53

Tgt Ion: 76 Resp: 1075795

Ion Ratio Lower Upper

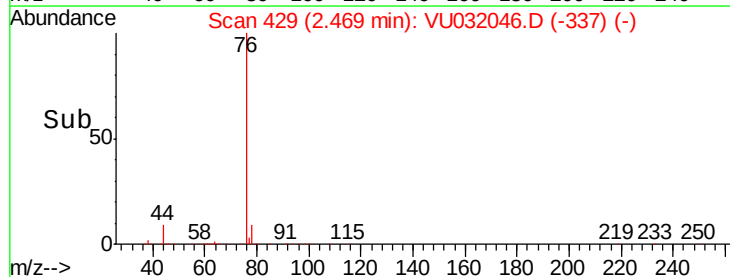
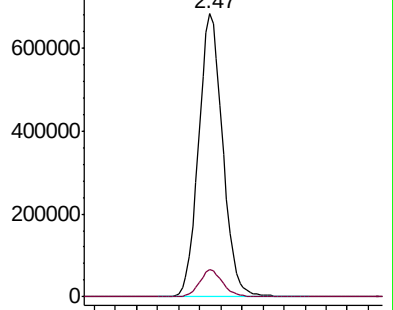
76 100

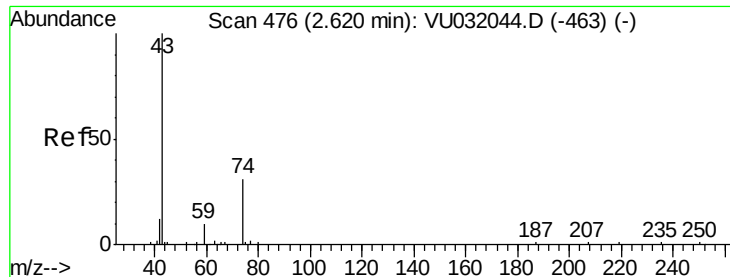
78 9.5 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU032044.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032044.D (-416) (-)





#15

Methyl Acetate

Concen: 14.134 ug/L

RT: 2.62 min Scan# 475

Delta R.T. -0.00 min

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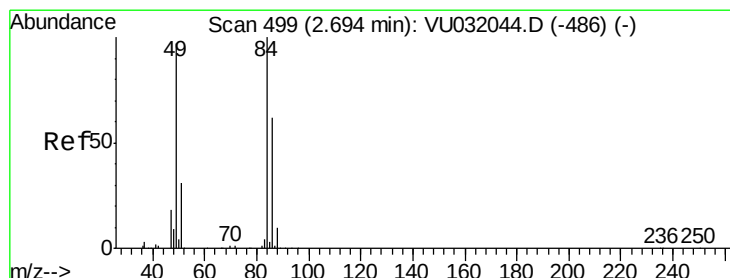
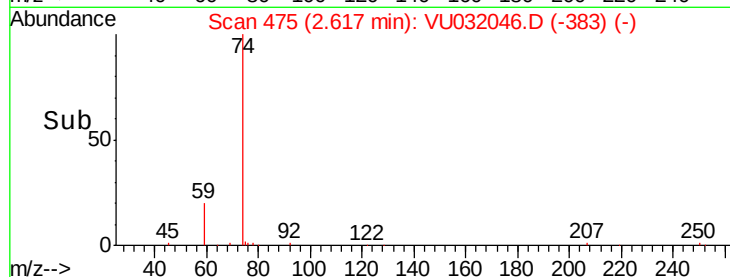
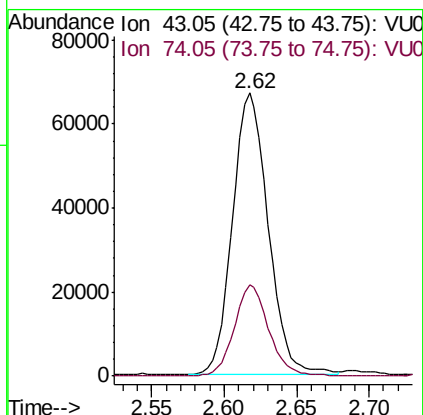
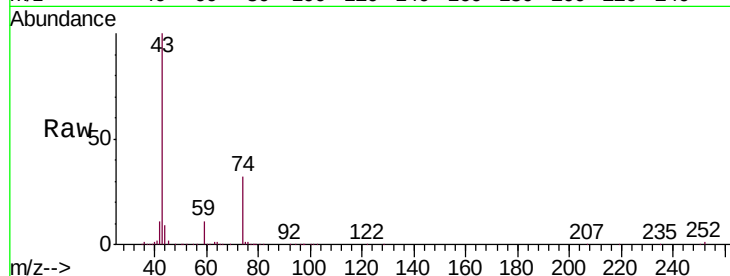
VSTD02010

Tgt Ion: 43 Resp: 114816

Ion Ratio Lower Upper

43 100

74 31.4 26.4 39.6



#16

Methylene chloride

Concen: 17.654 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

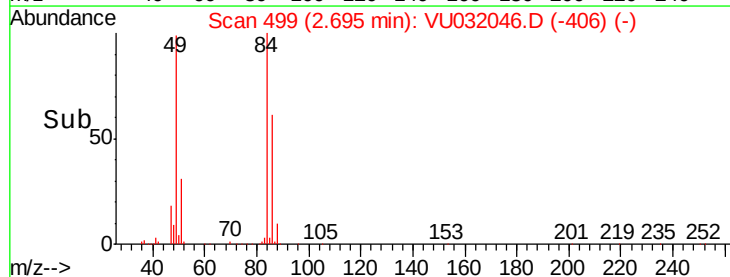
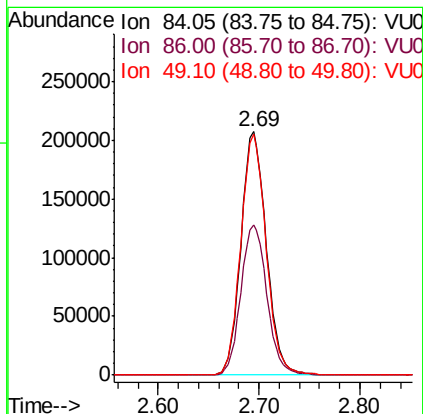
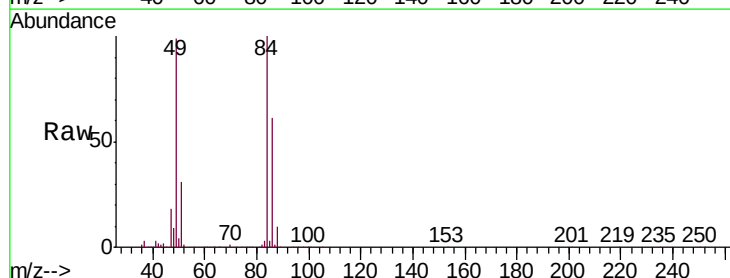
Tgt Ion: 84 Resp: 359840

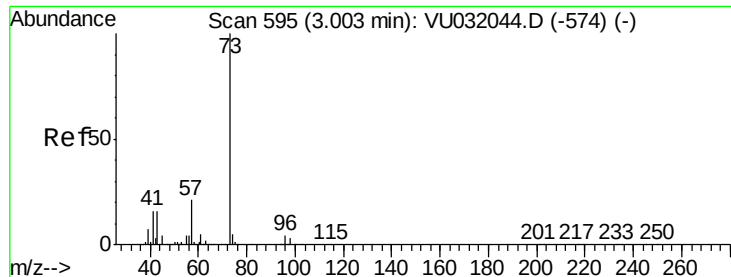
Ion Ratio Lower Upper

84 100

86 61.5 43.1 80.1

49 98.8 67.7 125.7

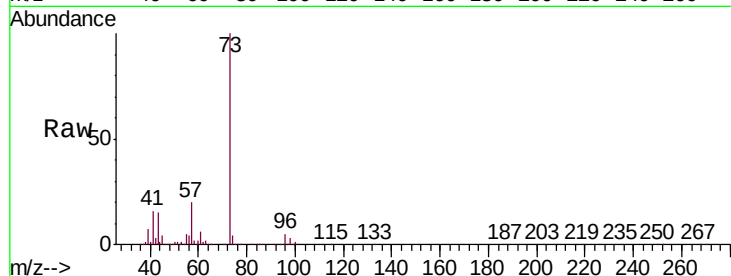




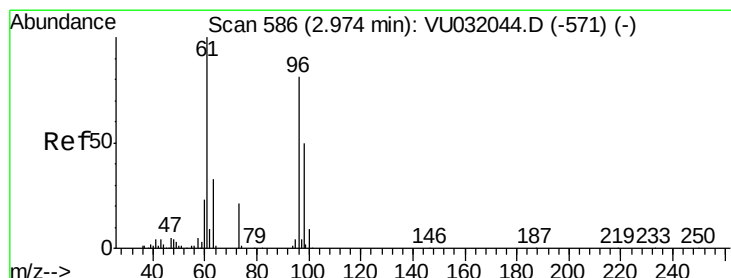
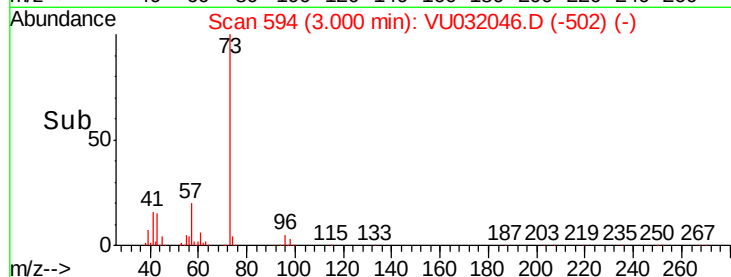
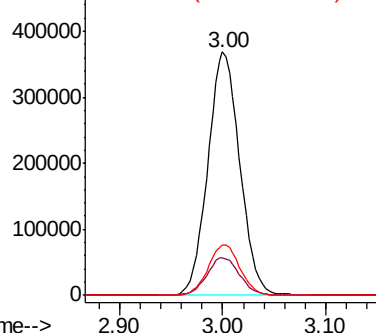
#17
Methyl tert-butyl Ether
Concen: 18.727 ug/L
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU032046.D
Acq: 16 May 2019 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD02010

Tgt Ion:	73	Resp:	793301
Ion	Ratio	Lower	Upper
73	100		
43	15.7	13.0	19.6
57	20.6	17.9	26.9

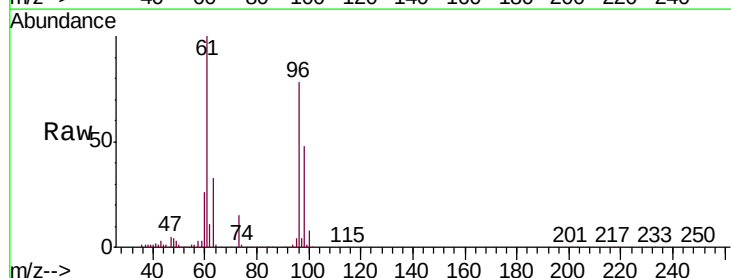


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

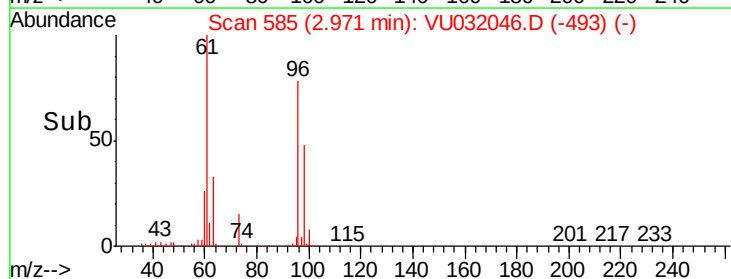
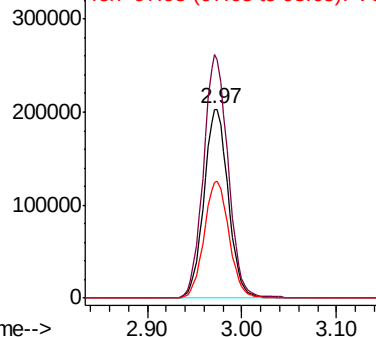


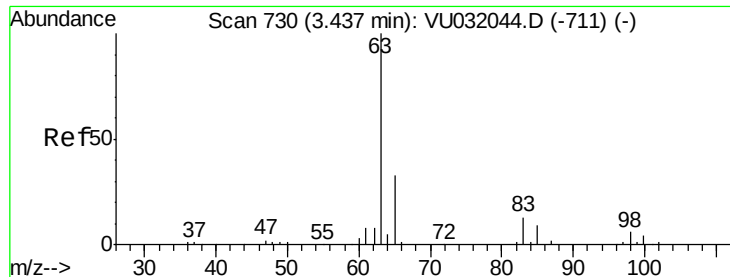
#18
trans-1,2-Dichloroethene
Concen: 19.021 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU032046.D
Acq: 16 May 2019 13:53

Tgt Ion:	96	Resp:	362889
Ion	Ratio	Lower	Upper
96	100		
61	128.8	86.5	160.7
98	61.2	43.5	80.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

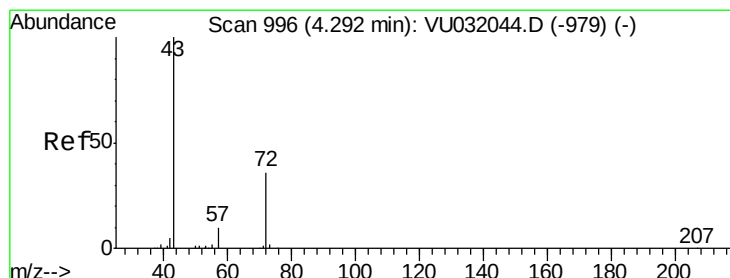
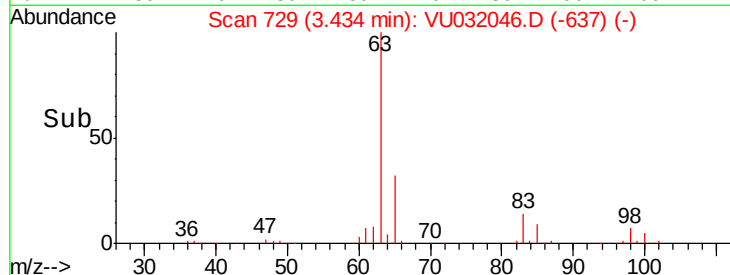
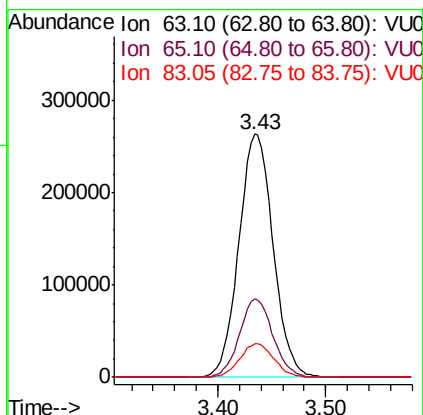
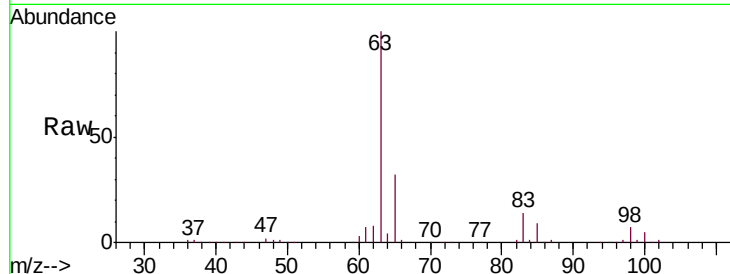




#19
 1,1-Dichloroethane
 Concen: 18.010 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

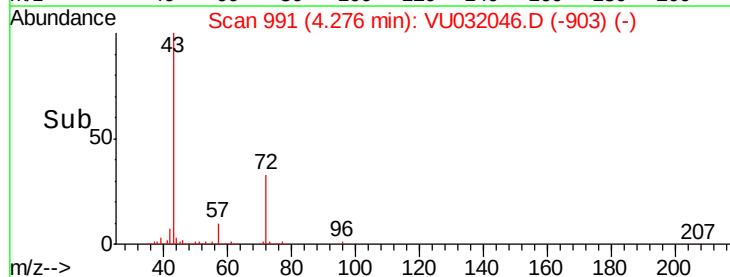
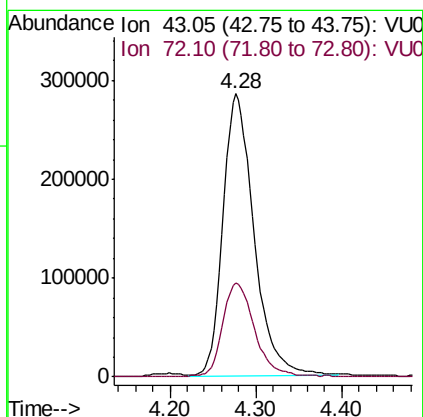
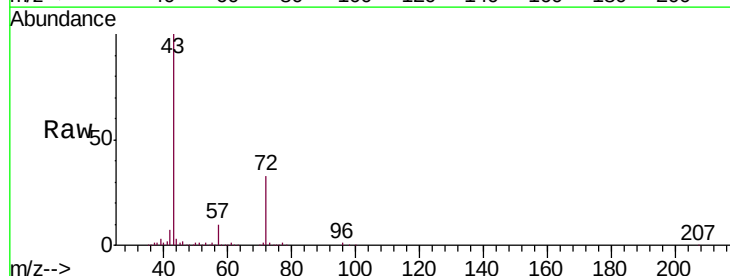
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02010

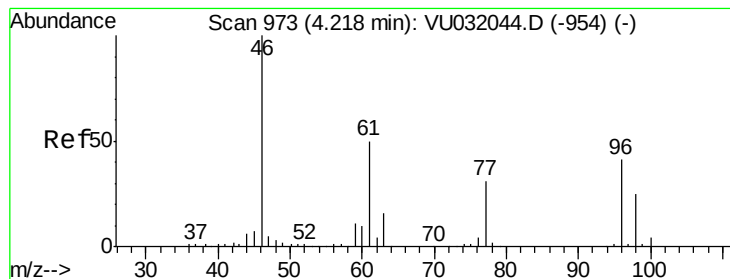
Tgt Ion: 63 Resp: 581663
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.0 42.6
 83 13.8 9.3 17.3



#21
 2-Butanone
 Concen: 168.167 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Tgt Ion: 43 Resp: 716058
 Ion Ratio Lower Upper
 43 100
 72 34.4 16.8 50.3



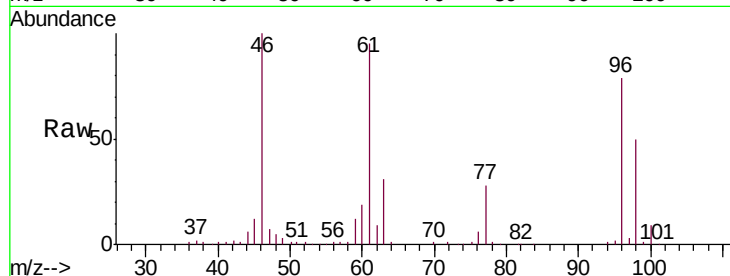


#22

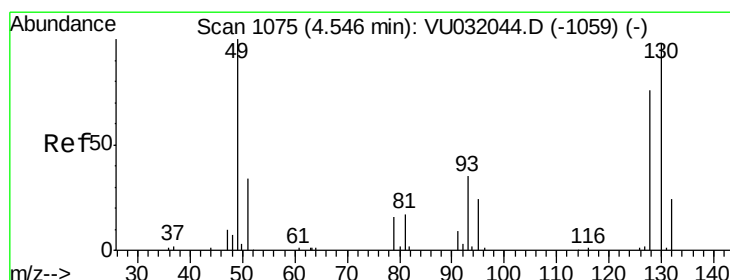
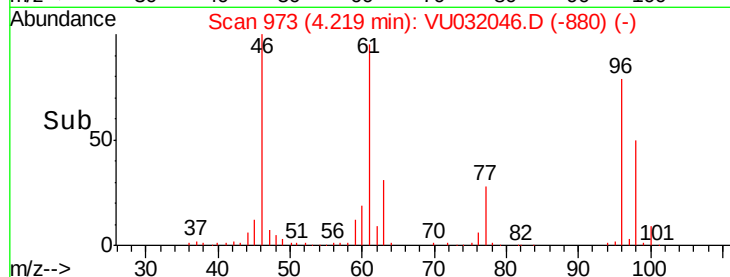
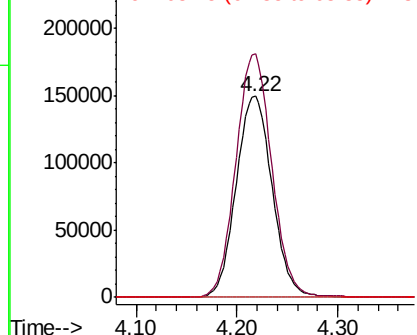
cis-1,2-Dichloroethene
 Concen: 19.478 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02010

Tgt Ion: 96 Resp: 370406
 Ion Ratio Lower Upper
 96 100
 61 121.0 85.8 159.4
 68 0.0 0.0 0.0



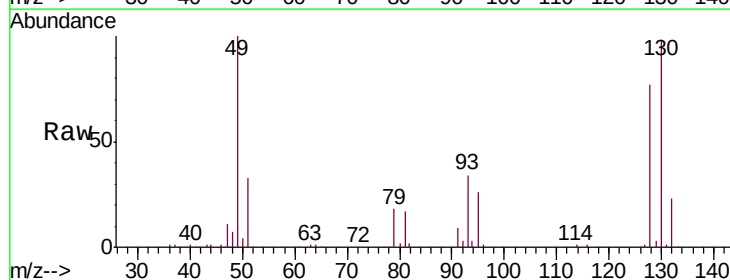
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



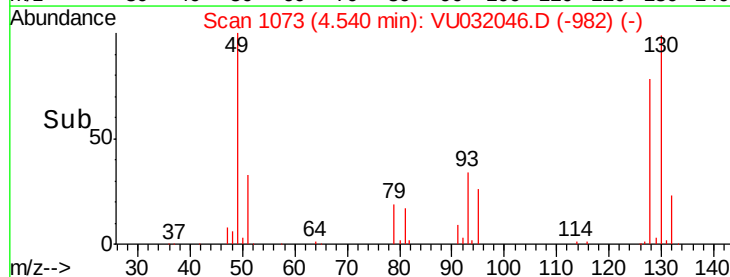
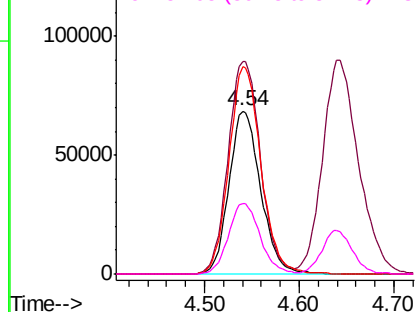
#23

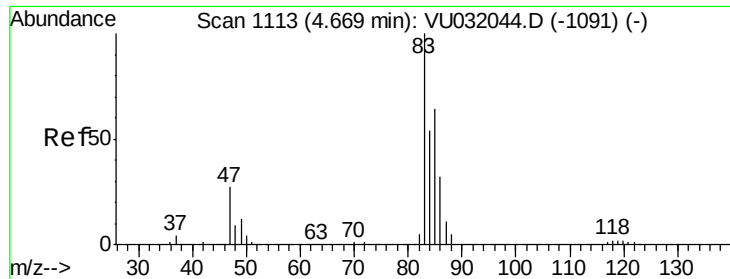
Bromochloromethane
 Concen: 19.495 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Tgt Ion: 128 Resp: 159511
 Ion Ratio Lower Upper
 128 100
 49 130.5 92.2 171.2
 130 127.3 90.3 167.7
 51 43.2 35.3 52.9



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

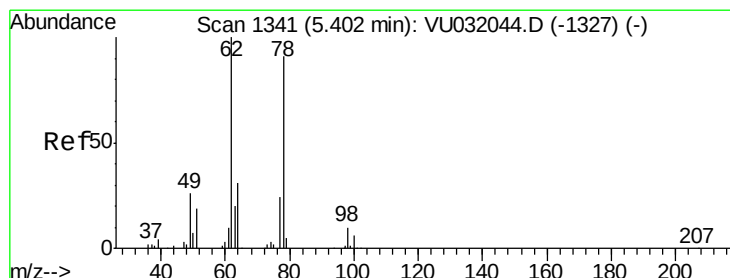
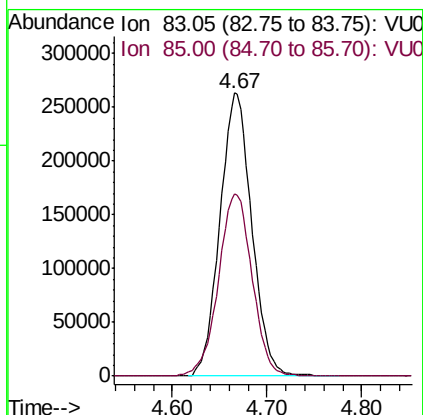
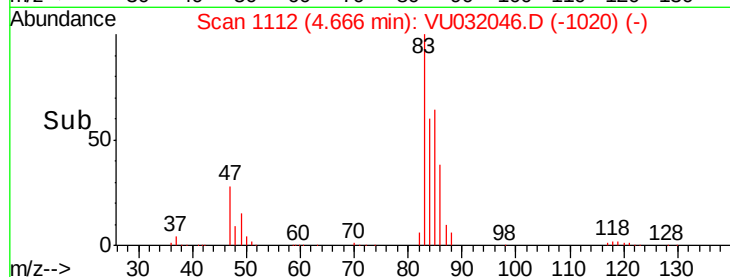
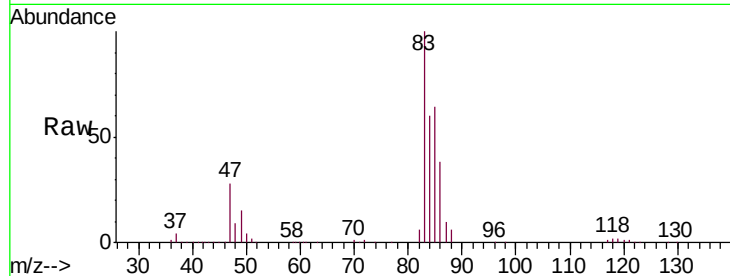




#25
Chloroform
Concen: 18.622 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032046.D
Acq: 16 May 2019 13:53

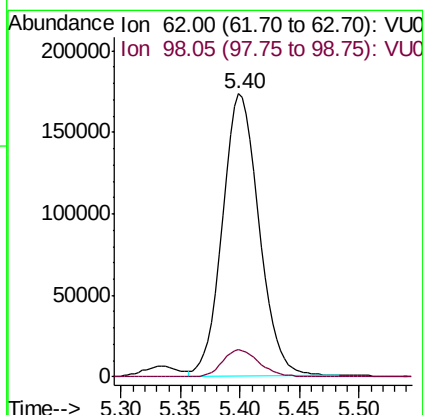
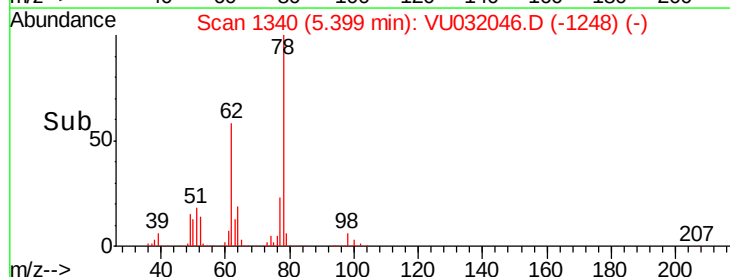
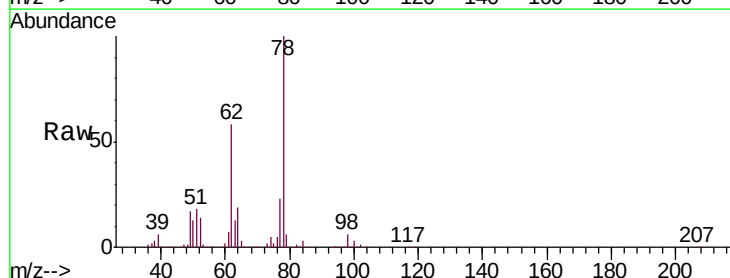
Instrument :
MSVOA_U
ClientSampleId :
VSTD02010

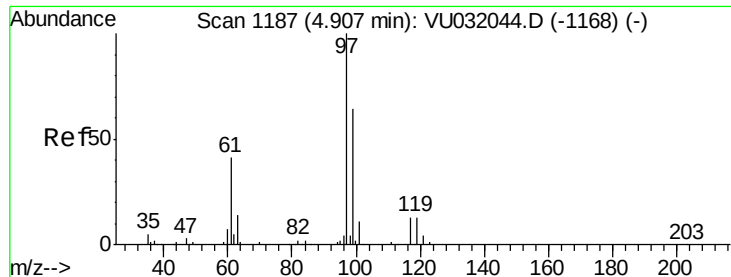
Tgt Ion: 83 Resp: 616430
Ion Ratio Lower Upper
83 100
85 64.3 44.9 83.3



#27
1,2-Dichloroethane
Concen: 19.225 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032046.D
Acq: 16 May 2019 13:53

Tgt Ion: 62 Resp: 369170
Ion Ratio Lower Upper
62 100
98 9.6 8.0 12.0

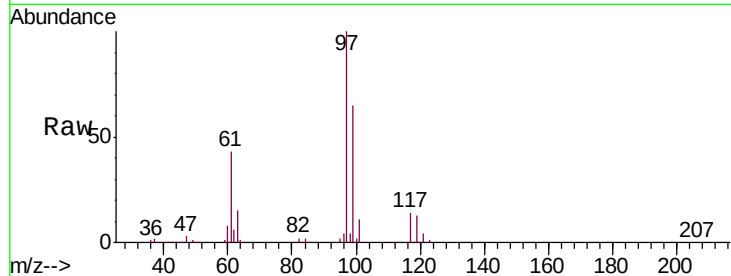




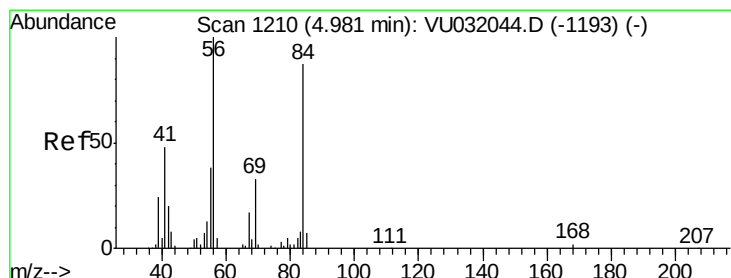
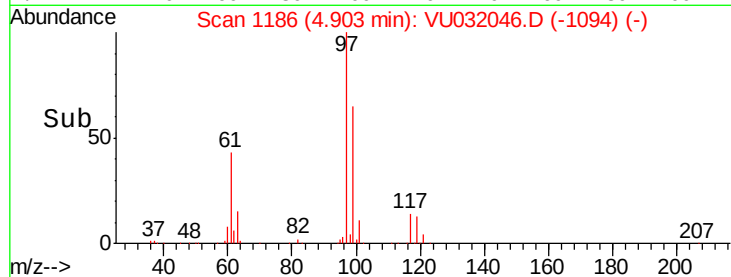
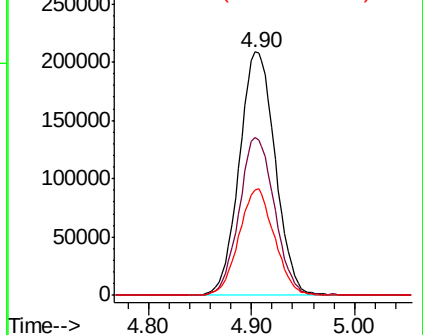
#29
 1,1,1-Trichloroethane
 Concen: 20.372 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02010

Tgt Ion: 97 Resp: 504808
 Ion Ratio Lower Upper
 97 100
 99 63.9 53.7 80.5
 61 43.4 34.2 51.4

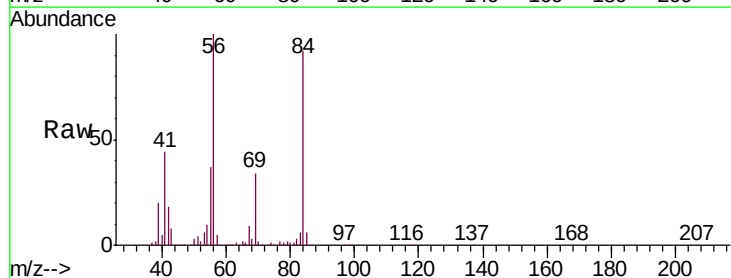


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

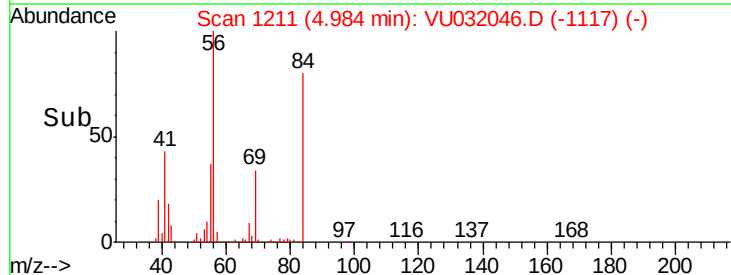
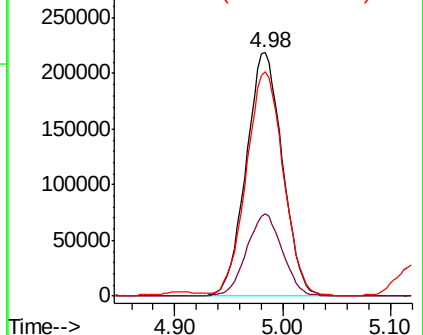


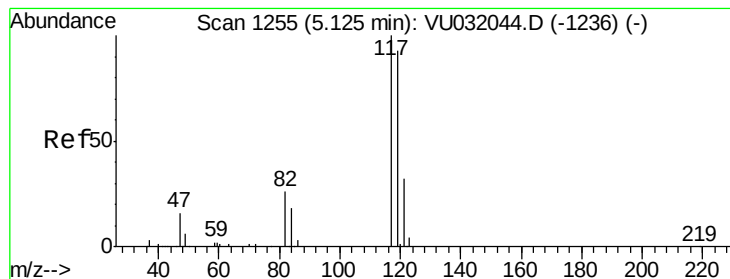
#30
 Cyclohexane
 Concen: 18.929 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Tgt Ion: 56 Resp: 510991
 Ion Ratio Lower Upper
 56 100
 69 33.3 26.9 40.3
 84 93.4 76.6 115.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 20.655 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

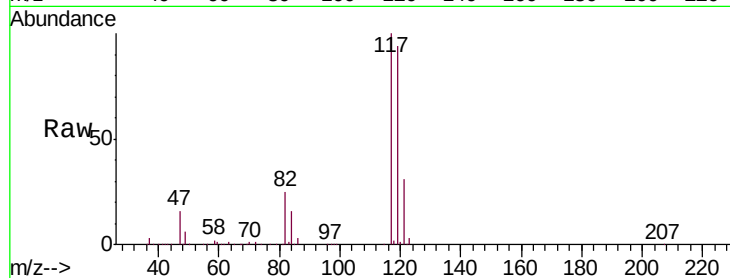
VSTD02010

Tgt Ion:117 Resp: 435114

Ion Ratio Lower Upper

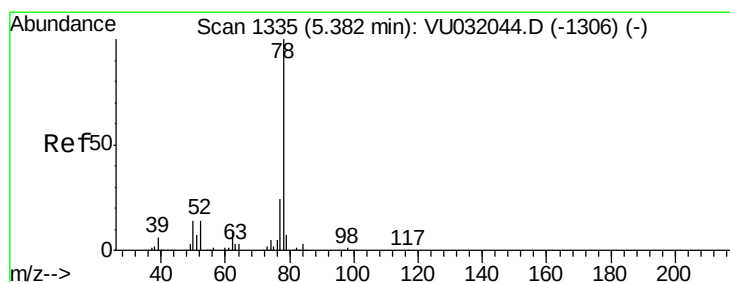
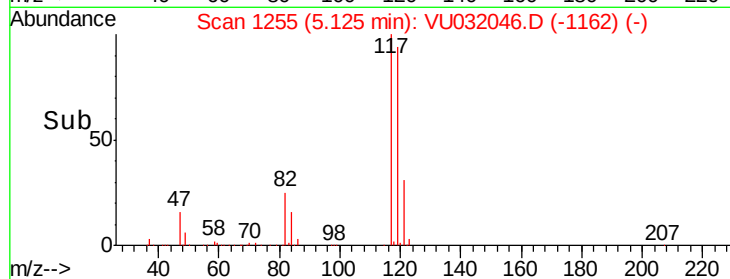
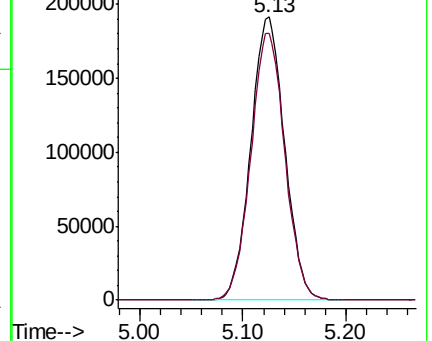
117 100

119 94.9 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 19.572 ug/L

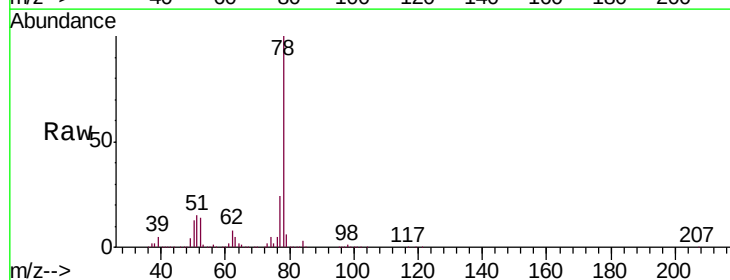
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

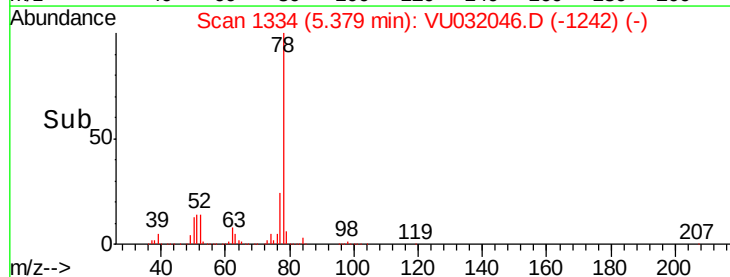
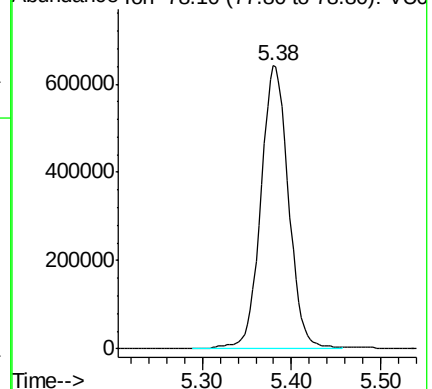
Lab File: VU032046.D

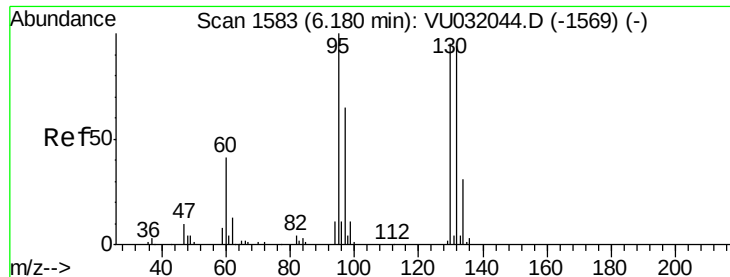
Acq: 16 May 2019 13:53

Tgt Ion: 78 Resp: 1394010



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 18.803 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD02010

Tgt Ion: 95 Resp: 355968

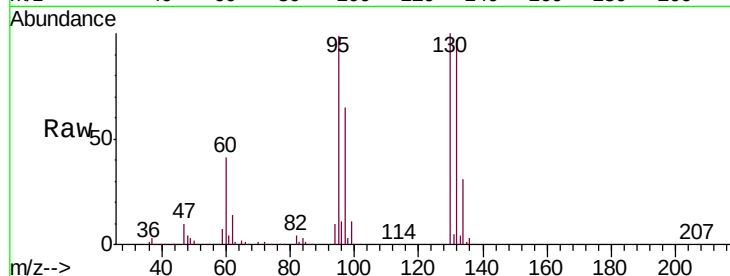
Ion Ratio Lower Upper

95 100

97 65.2 45.2 84.0

132 98.1 66.1 122.7

130 101.0 66.7 123.9

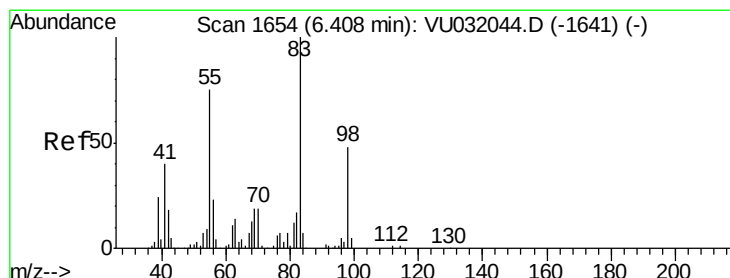
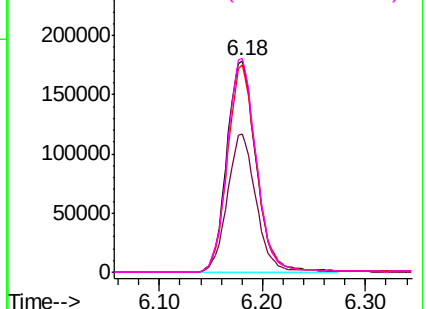
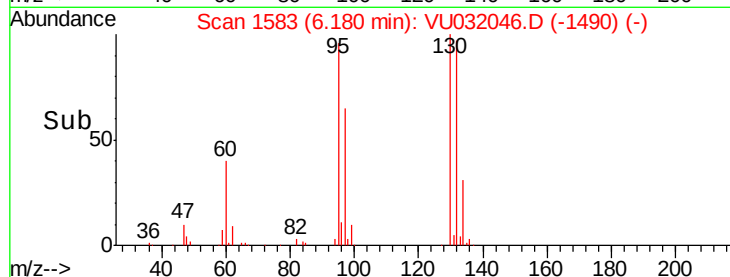


Abundance Ion 95.00 (94.70 to 95.70): VU032046.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU032046.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU032046.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU032046.D (-1490) (-)



#35

Methylcyclohexane

Concen: 21.986 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

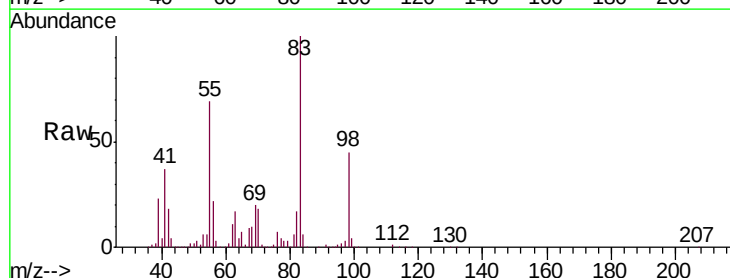
Tgt Ion: 83 Resp: 585813

Ion Ratio Lower Upper

83 100

55 70.7 59.7 89.5

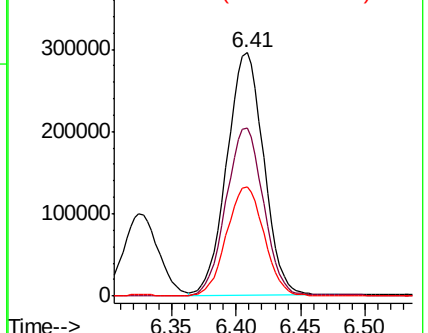
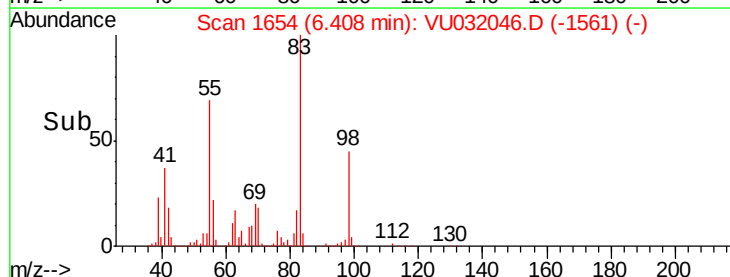
98 45.7 36.8 55.2

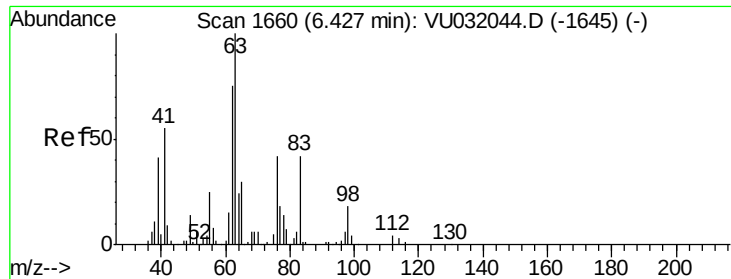


Abundance Ion 83.15 (82.85 to 83.85): VU032046.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU032046.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU032046.D (-1561) (-)

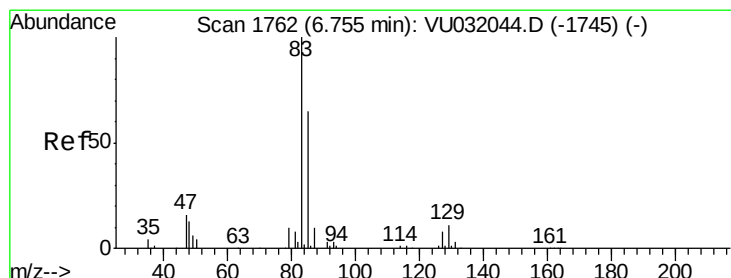
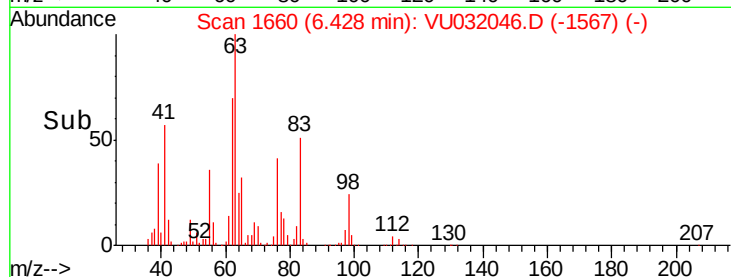
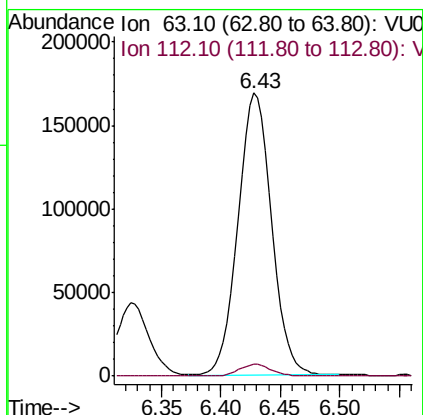
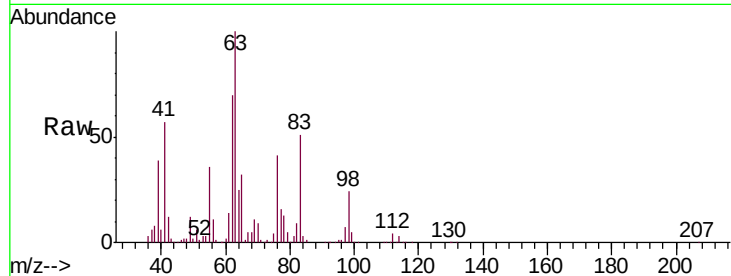




#37
 1,2-Dichloropropane
 Concen: 18.509 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

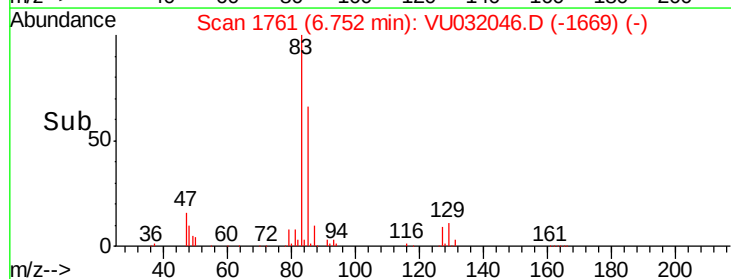
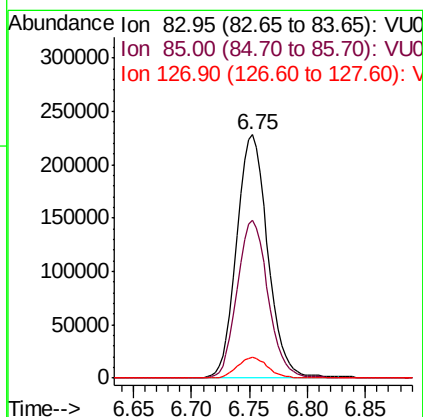
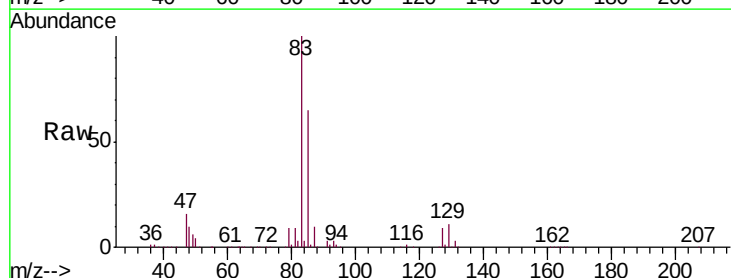
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02010

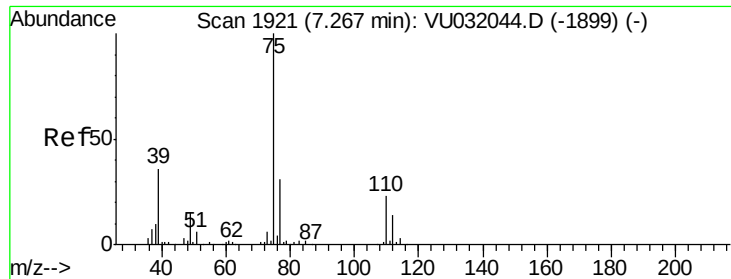
Tgt Ion: 63 Resp: 330608
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 19.658 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Tgt Ion: 83 Resp: 424743
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.5 84.5
 127 8.6 6.3 9.5

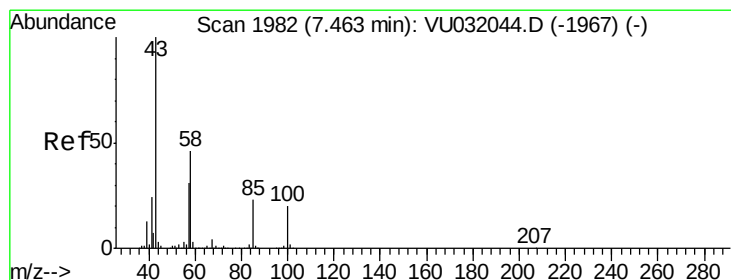
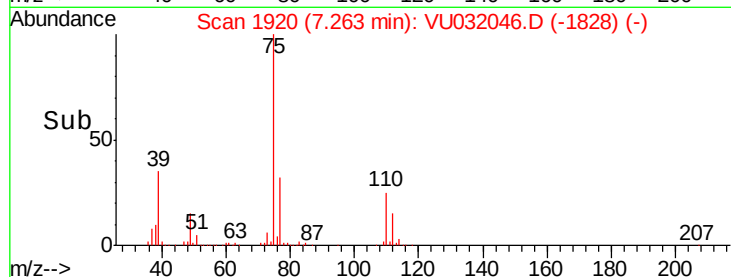
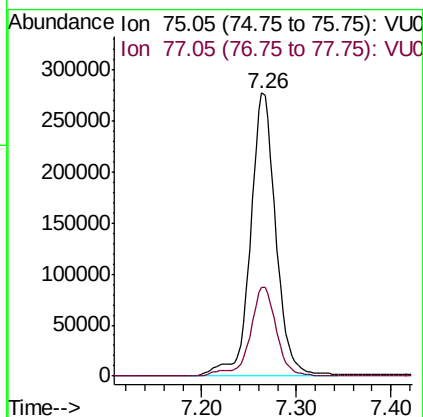
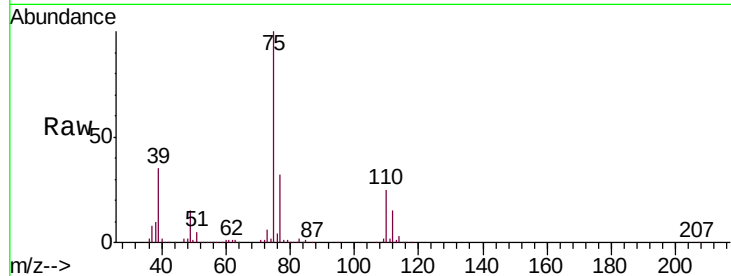




#39
 cis-1,3-Dichloropropene
 Concen: 22.281 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

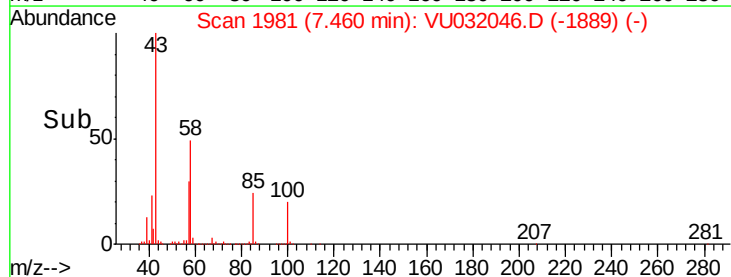
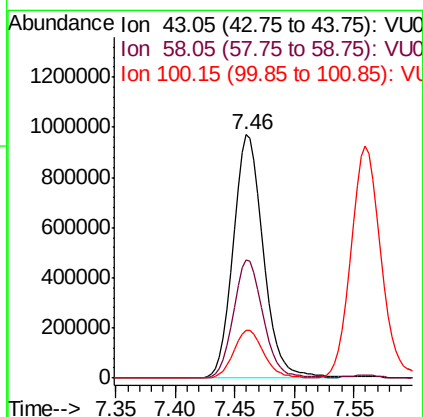
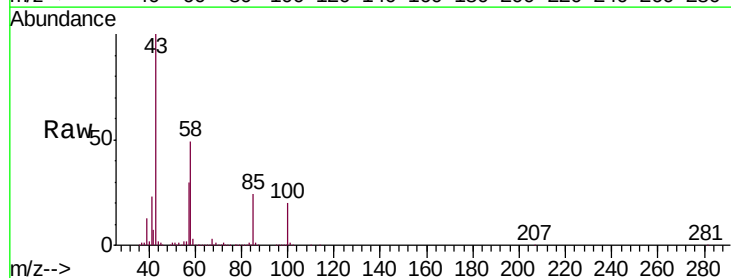
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02010

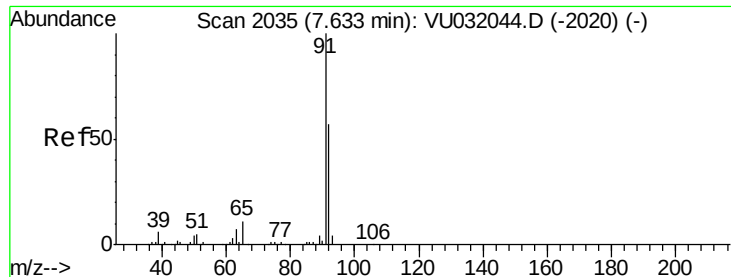
Tgt Ion: 75 Resp: 517411
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 180.360 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Tgt Ion: 43 Resp: 1702528
 Ion Ratio Lower Upper
 43 100
 58 48.2 37.3 55.9
 100 19.9 15.5 23.3





#42

Toluene

Concen: 21.021 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

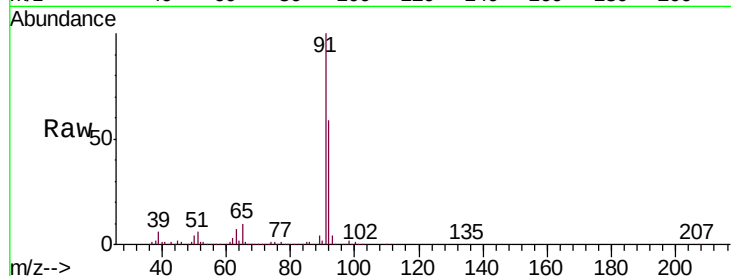
VSTD02010

Tgt Ion: 91 Resp: 1531021

Ion Ratio Lower Upper

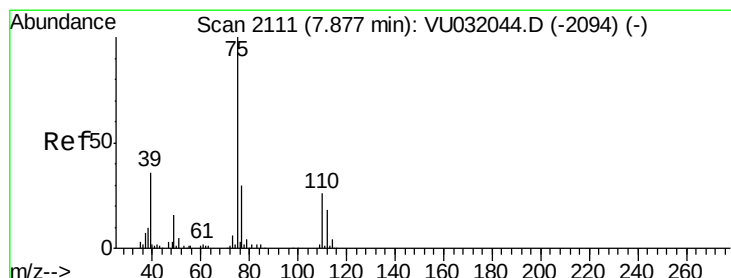
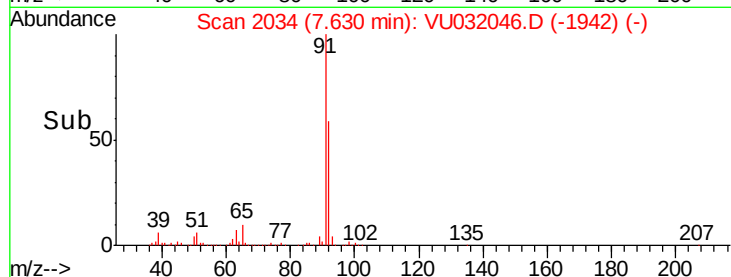
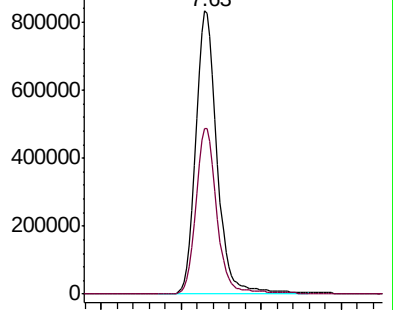
91 100

92 58.7 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU032044.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032044.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 21.963 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU032046.D

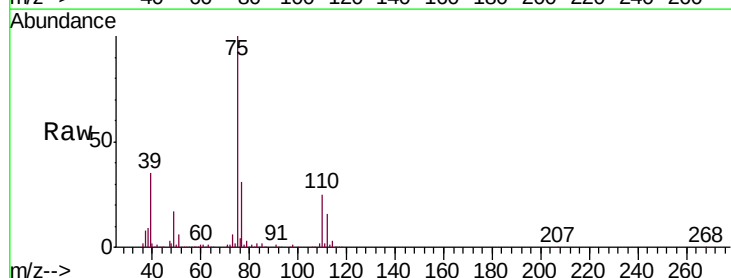
Acq: 16 May 2019 13:53

Tgt Ion: 75 Resp: 400785

Ion Ratio Lower Upper

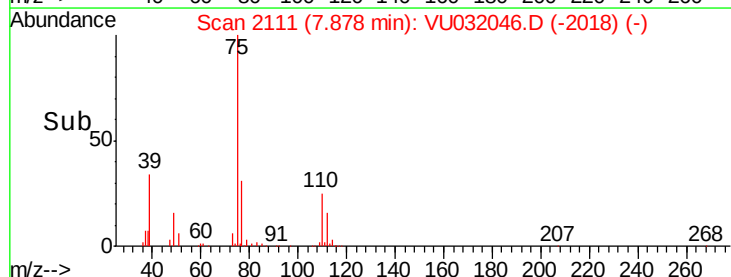
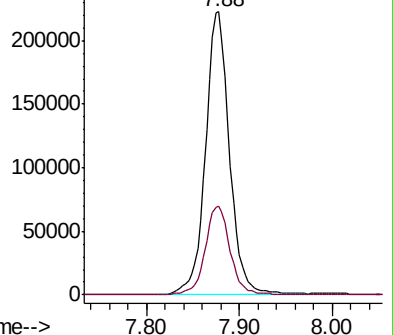
75 100

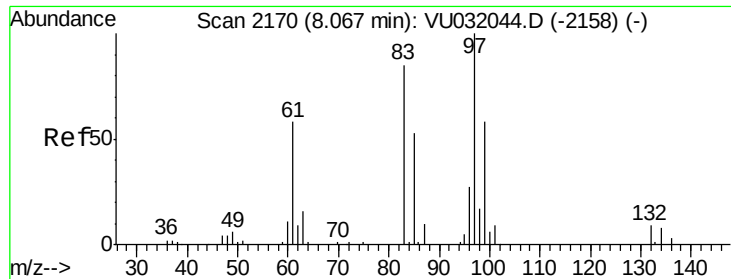
77 31.3 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VU032044.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU032044.D (-2094) (-)

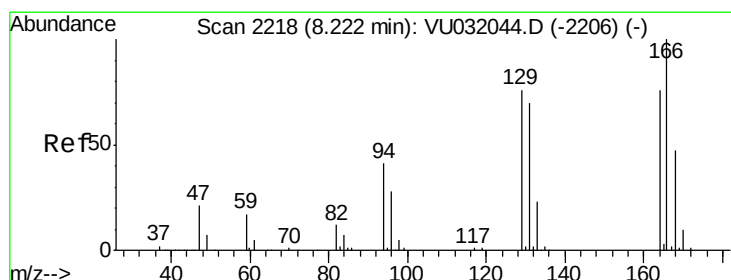
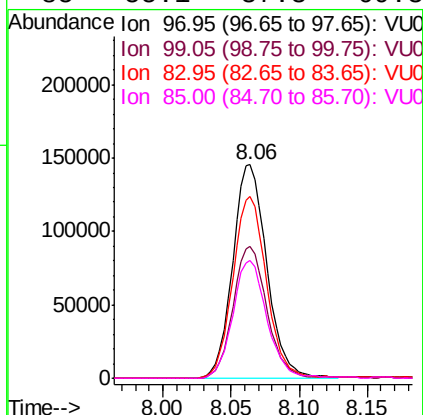
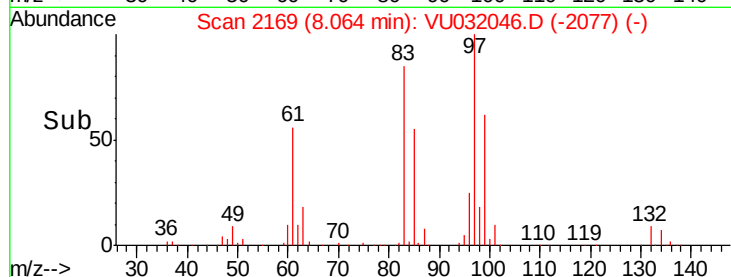
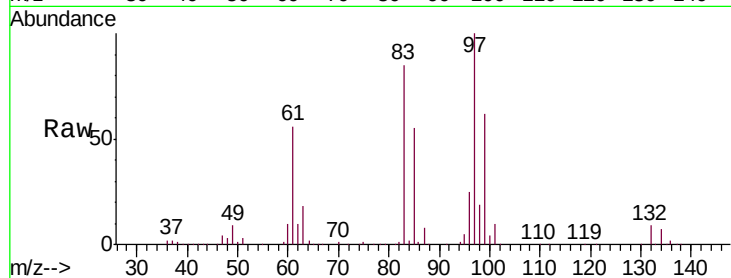




#45
 1,1,2-Trichloroethane
 Concen: 20.193 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

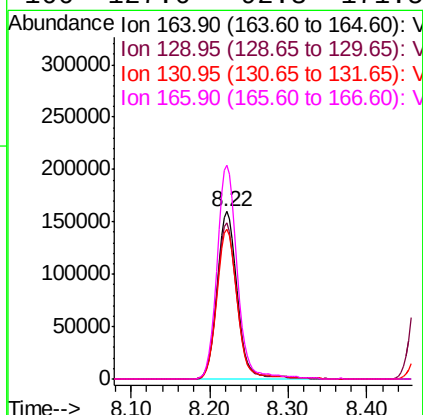
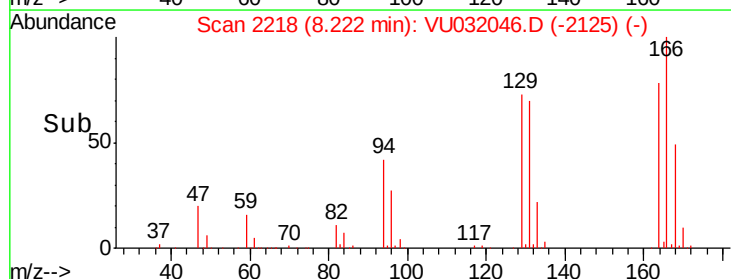
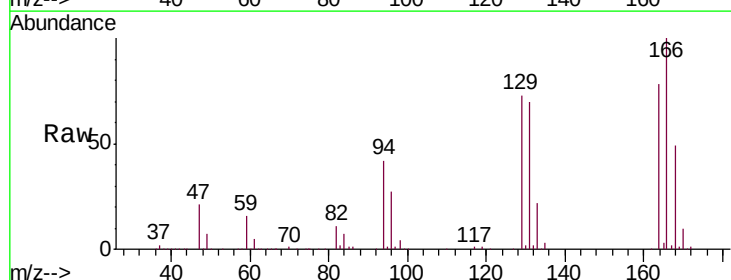
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02010

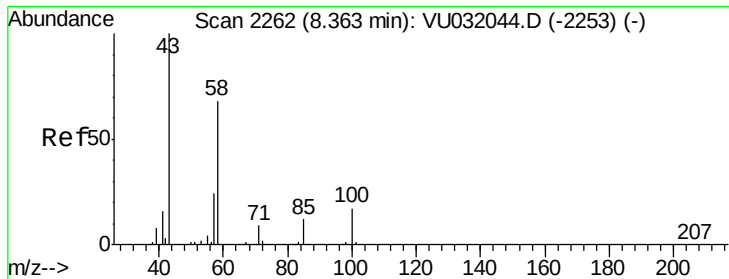
Tgt Ion:	97	Resp:	252967
Ion	Ratio	Lower	Upper
97	100		
99	62.0	40.7	75.7
83	85.4	59.6	110.8
85	55.1	37.3	69.3



#47
 Tetrachloroethene
 Concen: 21.198 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Tgt Ion:	164	Resp:	283494
Ion	Ratio	Lower	Upper
164	100		
129	93.4	70.3	130.5
131	89.8	64.5	119.9
166	127.6	92.3	171.5

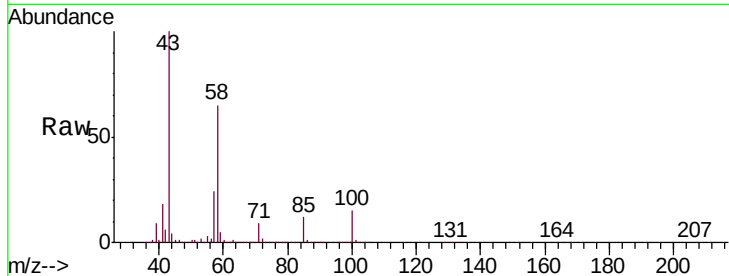




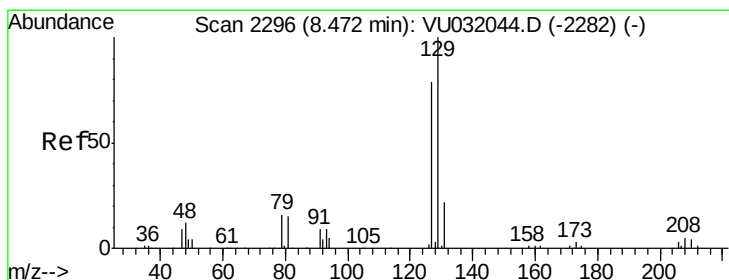
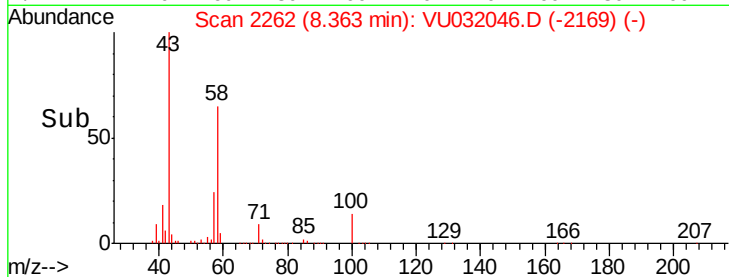
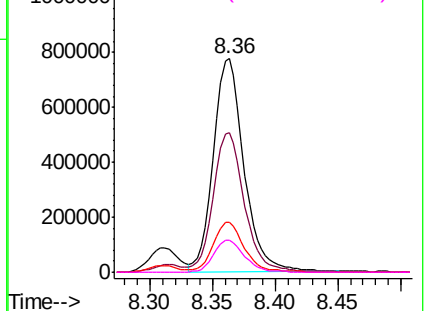
#48
2-Hexanone
Concen: 183.937 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU032046.D
Acq: 16 May 2019 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD02010

Tgt Ion: 43 Resp: 1311173
Ion Ratio Lower Upper
43 100
58 67.1 51.6 77.4
57 24.0 18.4 27.6
100 15.2 12.2 18.4

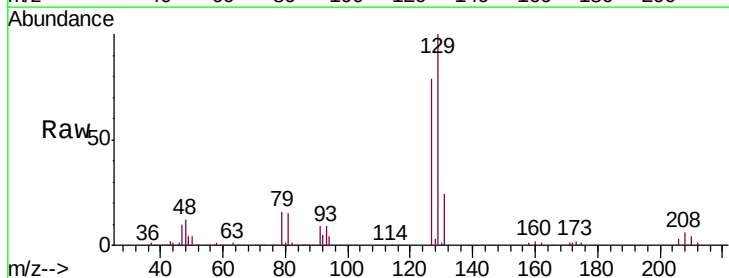


Abundance Ion 43.05 (42.75 to 43.75): VU0
1200000 Ion 58.05 (57.75 to 58.75): VU0
1000000 Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

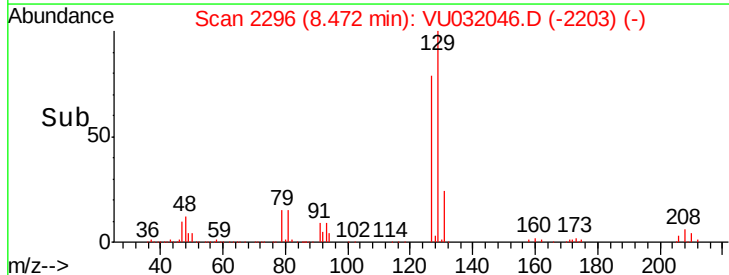
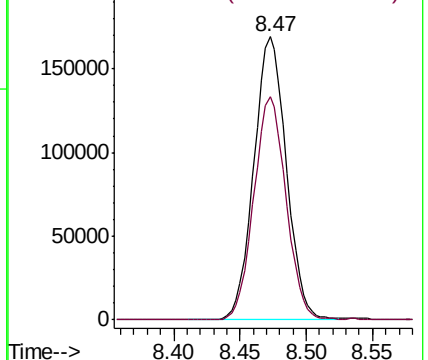


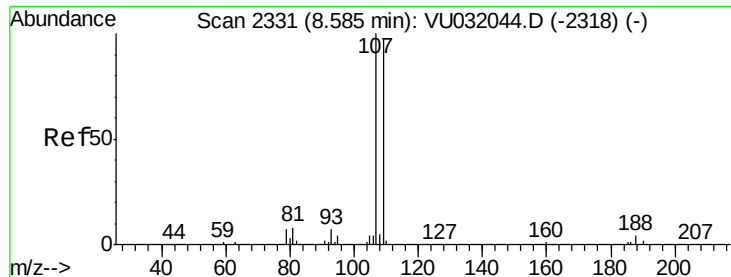
#49
Dibromochloromethane
Concen: 21.131 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032046.D
Acq: 16 May 2019 13:53

Tgt Ion: 129 Resp: 288205
Ion Ratio Lower Upper
129 100
127 78.9 55.2 102.6



Abundance Ion 128.95 (128.65 to 129.65): V
200000 Ion 126.90 (126.60 to 127.60): V

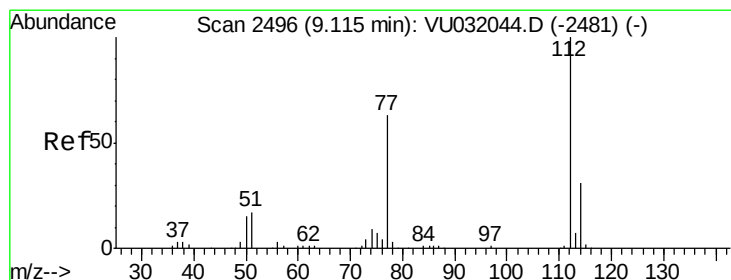
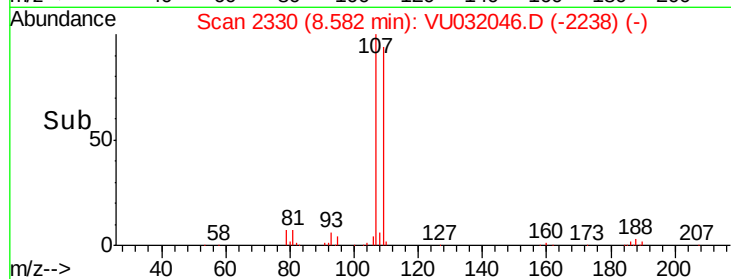
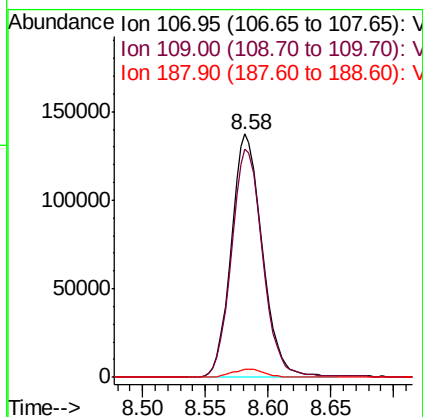
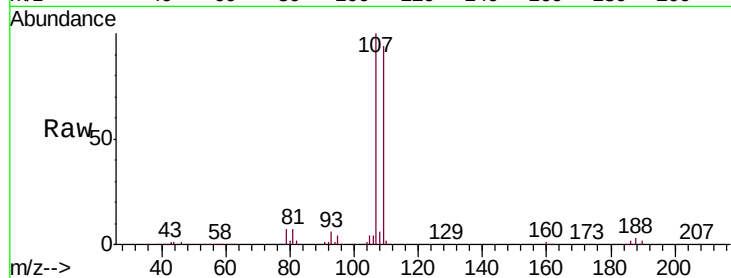




#50
 1,2-Dibromoethane
 Concen: 20.616 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

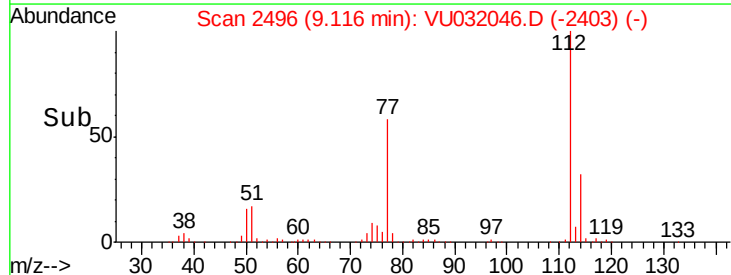
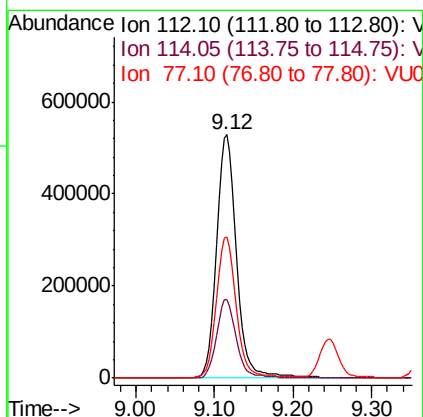
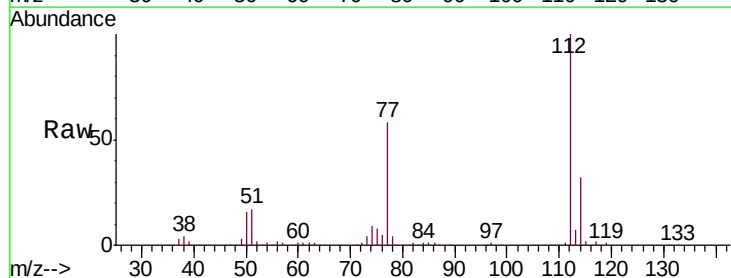
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02010

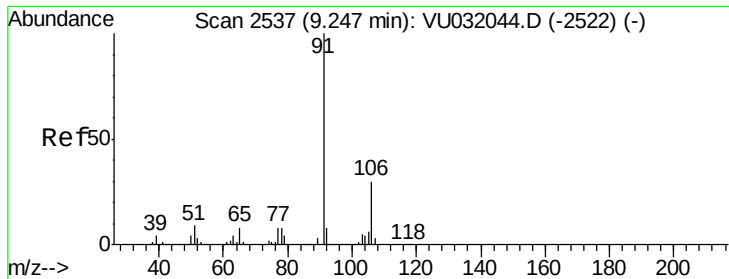
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.8	67.8	125.8
188	3.2	3.5	5.3



#51
 Chlorobenzene
 Concen: 20.683 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.6	40.2
77	58.2	50.3	75.5





#52

Ethylbenzene

Concen: 21.810 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

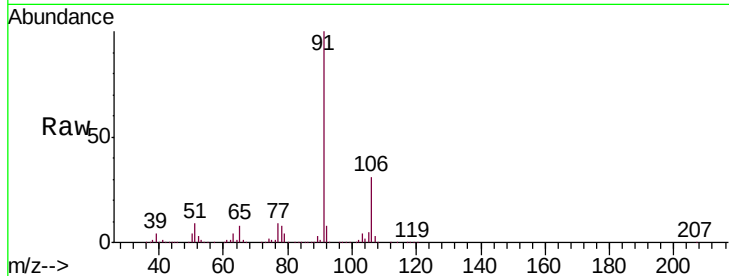
VSTD02010

Tgt Ion: 91 Resp: 1594613

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.6

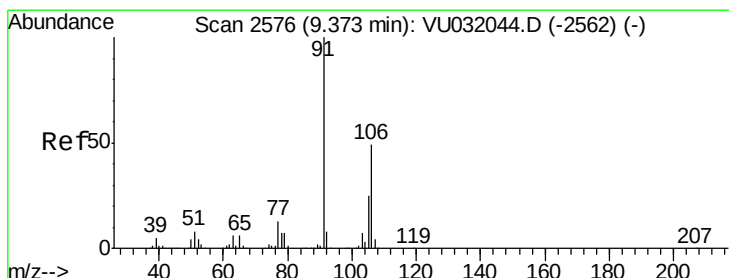
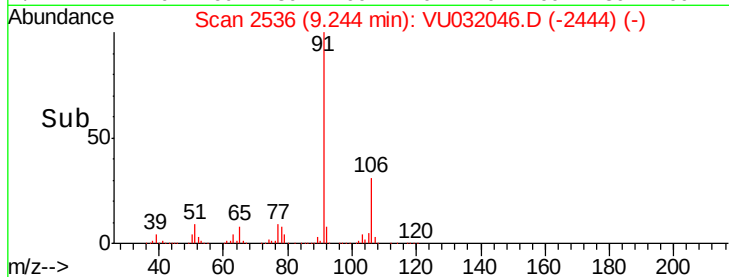


Abundance Ion 91.15 (90.85 to 91.85): VU032044.D (-2522) (-)

Ion 106.15 (105.85 to 106.85): VU032044.D (-2522) (-)

9.24

Time-->



#53

m,p-Xylene

Concen: 23.446 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032046.D

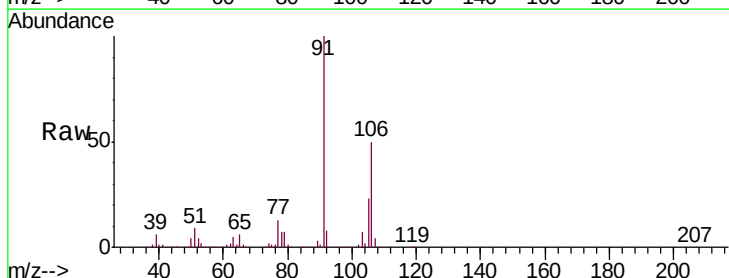
Acq: 16 May 2019 13:53

Tgt Ion: 106 Resp: 632939

Ion Ratio Lower Upper

106 100

91 201.0 143.1 265.9

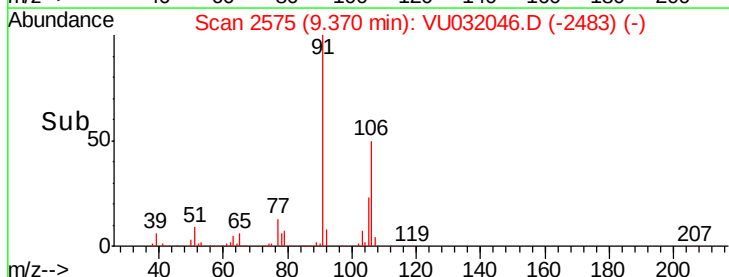


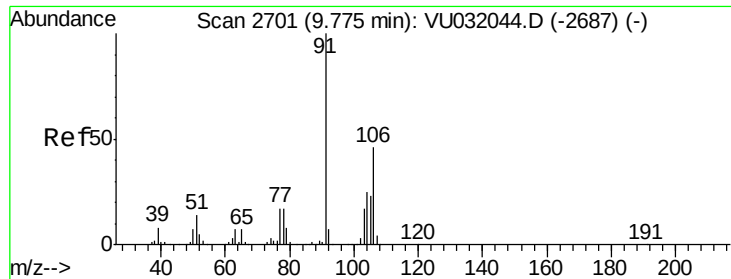
Abundance Ion 106.15 (105.85 to 106.85): VU032044.D (-2562) (-)

Ion 91.15 (90.85 to 91.85): VU032044.D (-2562) (-)

9.37

Time-->

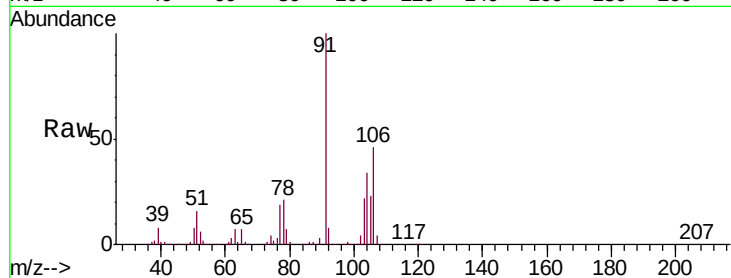




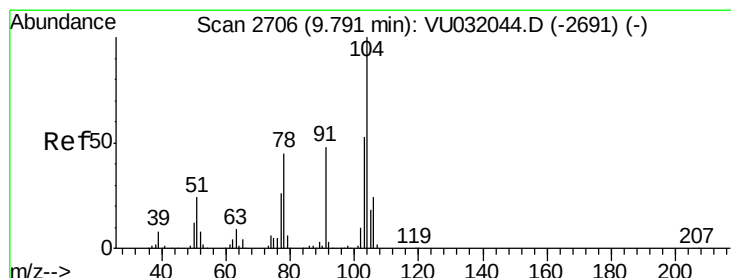
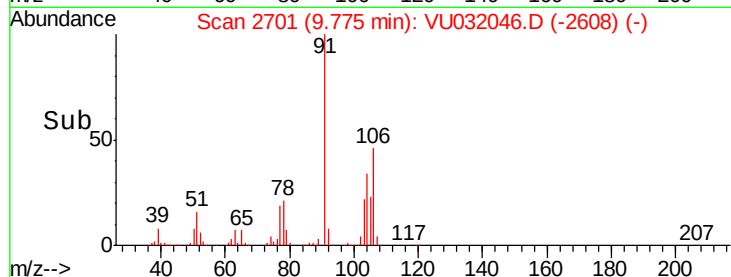
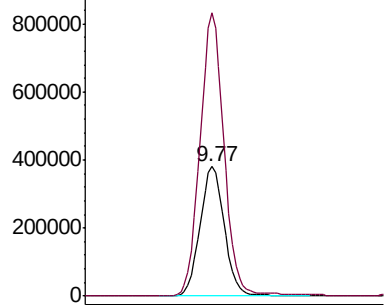
#54
o-Xylene
Concen: 23.049 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032046.D
Acq: 16 May 2019 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD02010

Tgt Ion:106 Resp: 605434
Ion Ratio Lower Upper
106 100
91 218.5 152.9 283.9

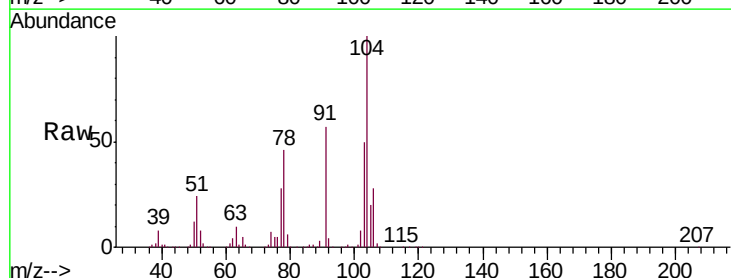


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

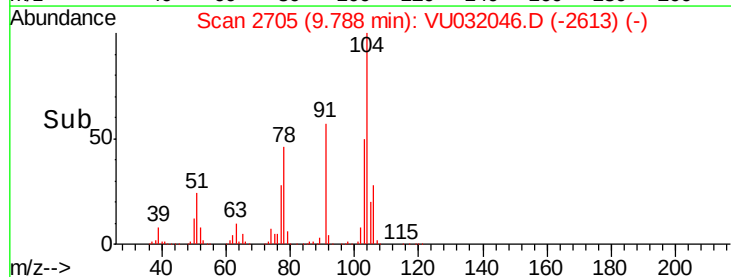
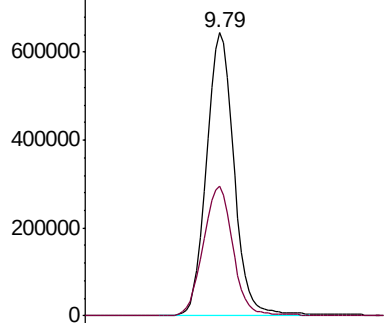


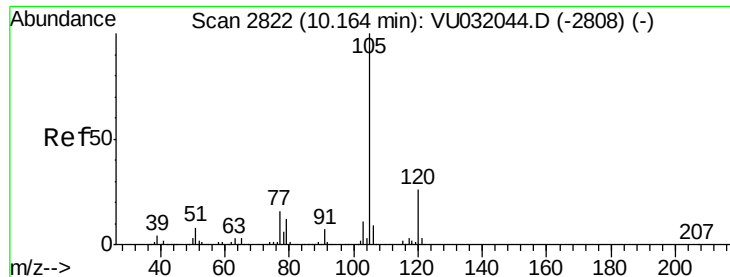
#55
Styrene
Concen: 24.703 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU032046.D
Acq: 16 May 2019 13:53

Tgt Ion:104 Resp: 1055200
Ion Ratio Lower Upper
104 100
78 45.7 31.2 58.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 23.513 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD02010

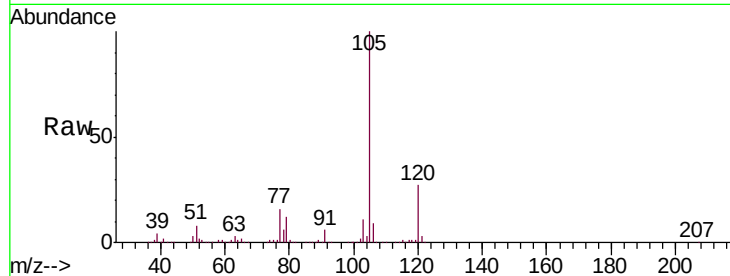
Tgt Ion:105 Resp: 1569345

Ion Ratio Lower Upper

105 100

120 26.3 20.7 31.1

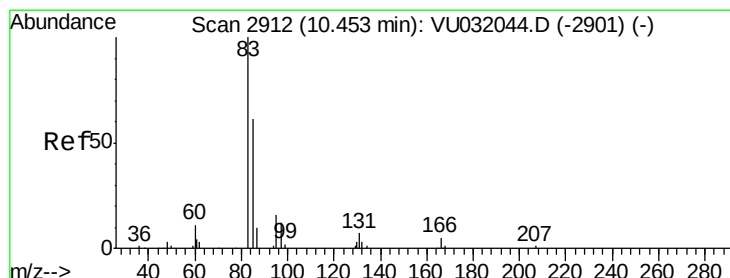
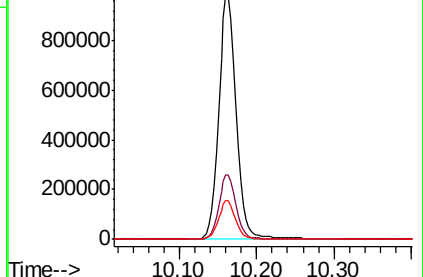
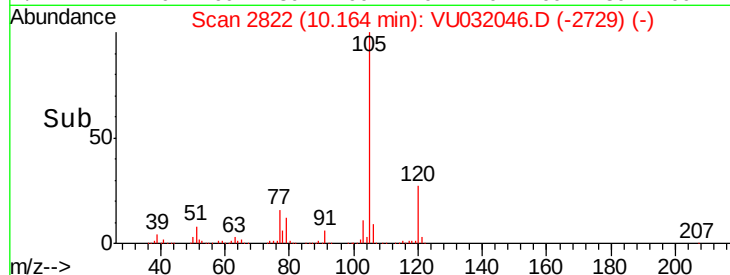
77 15.5 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 20.290 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

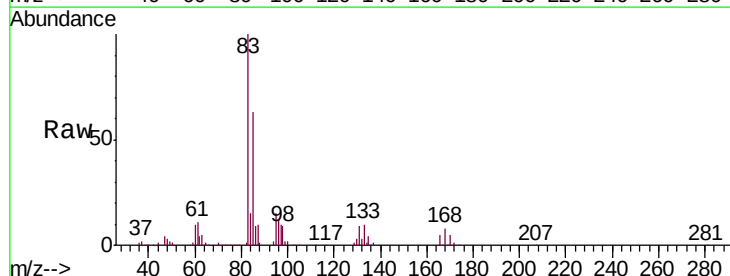
Tgt Ion: 83 Resp: 313238

Ion Ratio Lower Upper

83 100

85 63.5 44.3 82.3

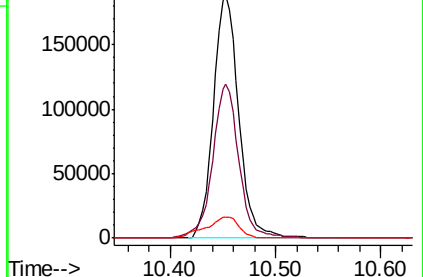
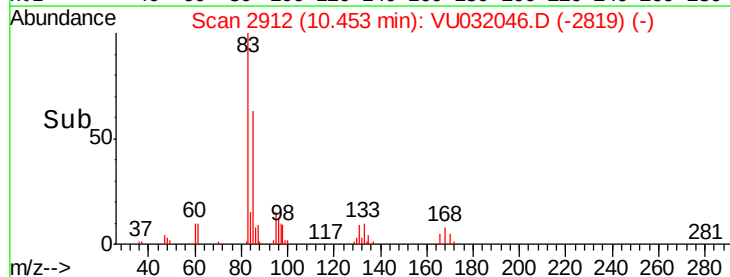
131 8.8 7.4 11.2

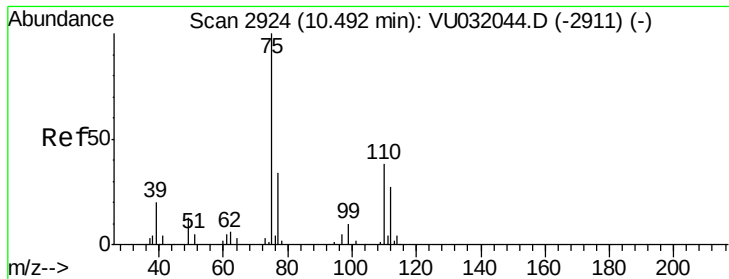


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.568 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

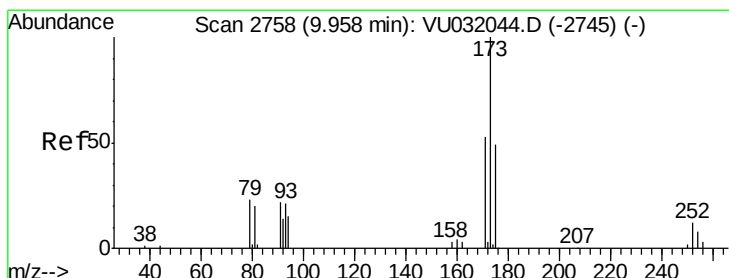
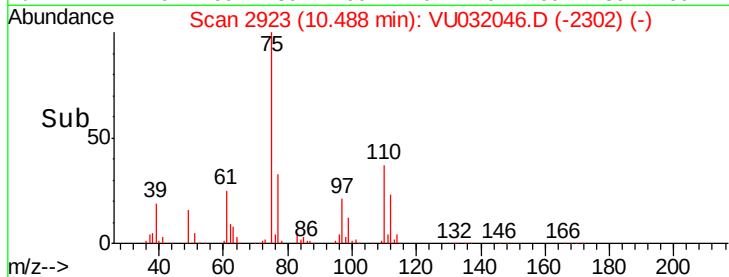
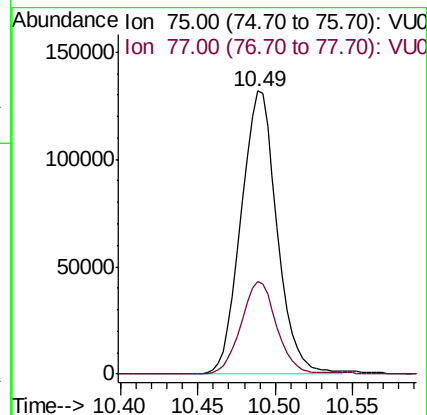
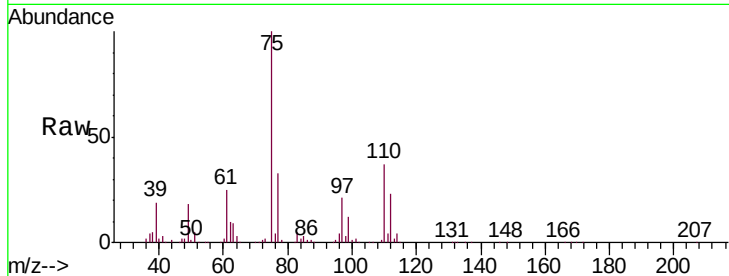
VSTD02010

Tgt Ion: 75 Resp: 212503

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



#61

Bromoform

Concen: 20.044 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

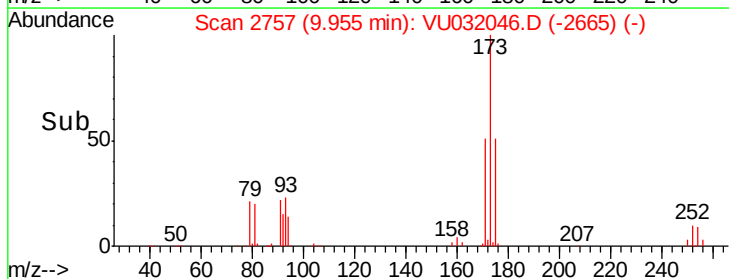
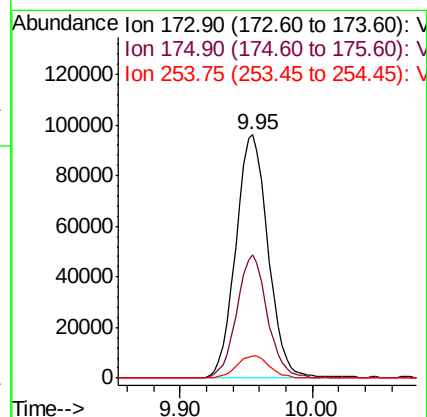
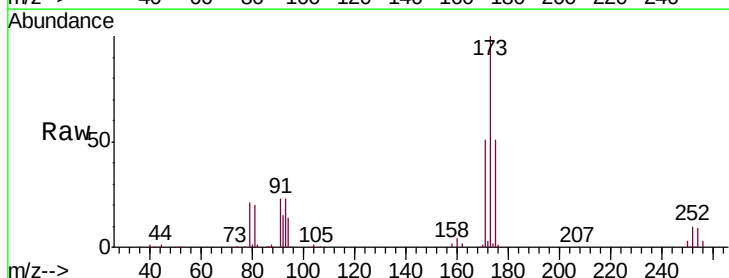
Tgt Ion: 173 Resp: 162665

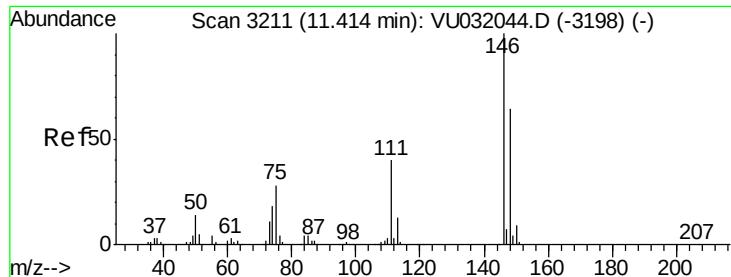
Ion Ratio Lower Upper

173 100

175 48.1 38.0 57.0

254 9.3 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 19.463 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD02010

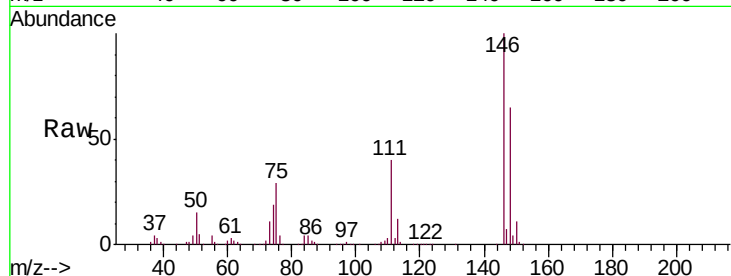
Tgt Ion:146 Resp: 682727

Ion Ratio Lower Upper

146 100

111 40.2 27.7 51.5

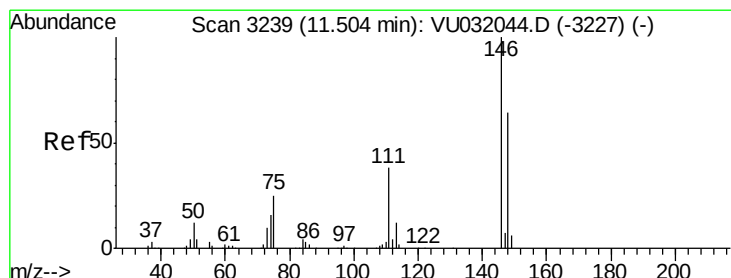
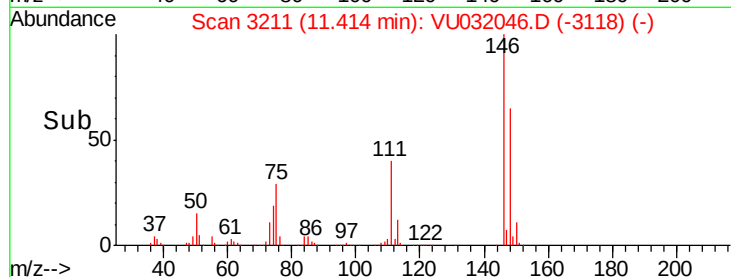
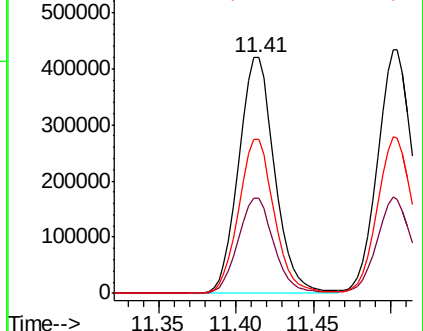
148 65.1 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 19.794 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

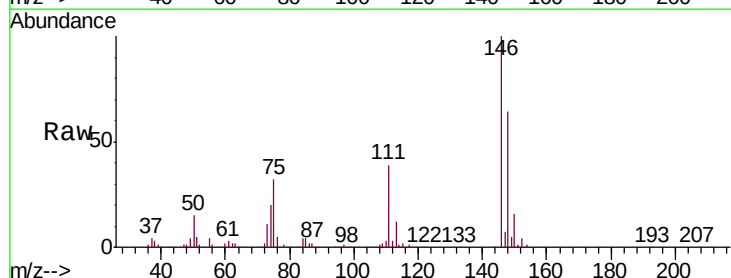
Tgt Ion:146 Resp: 708031

Ion Ratio Lower Upper

146 100

111 39.4 27.1 50.3

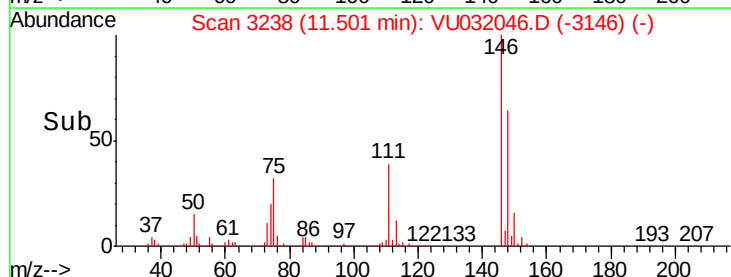
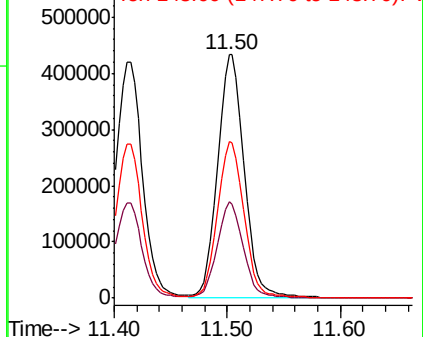
148 64.3 45.4 84.4

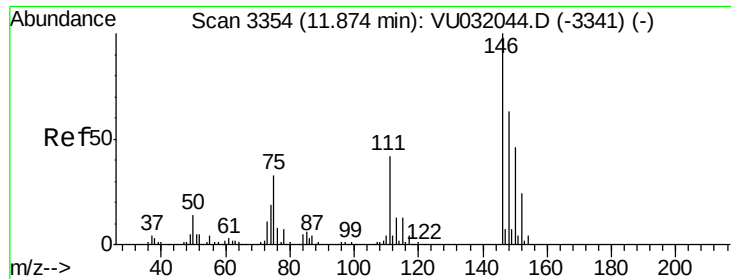


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

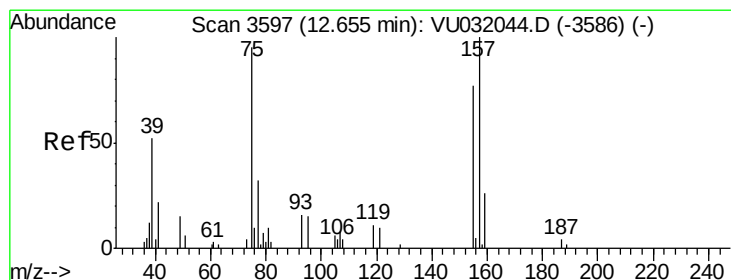
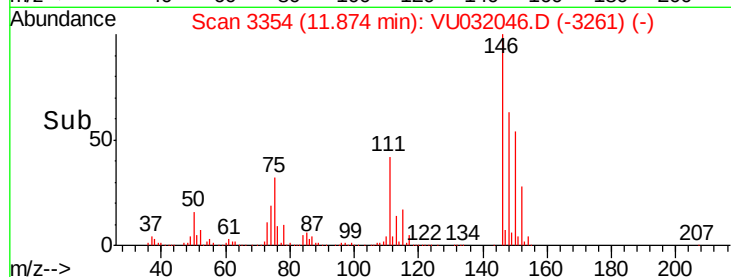
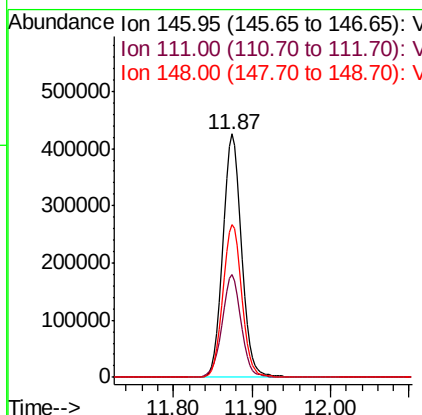
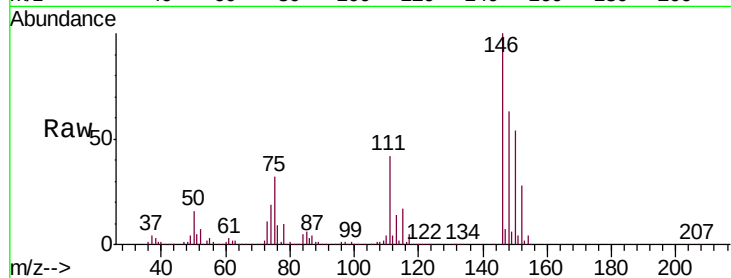




#65
 1,2-Dichlorobenzene
 Concen: 19.969 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

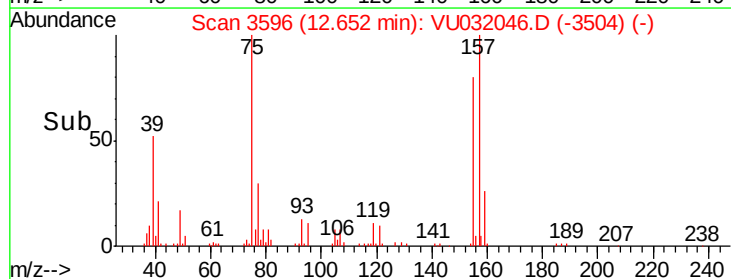
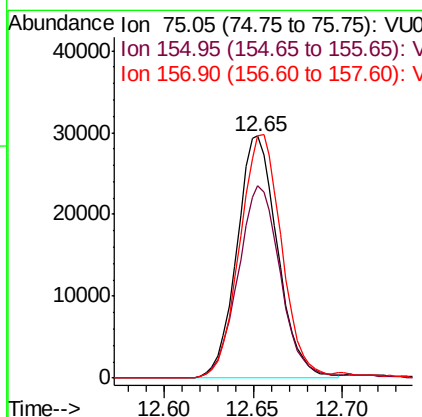
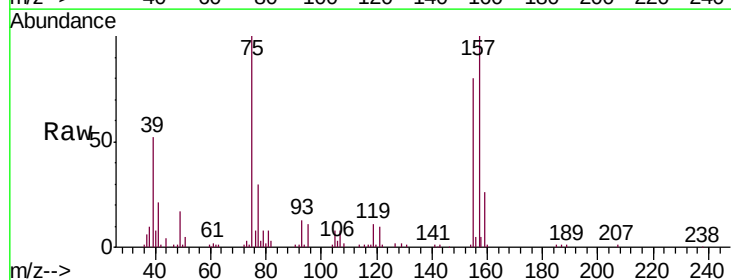
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02010

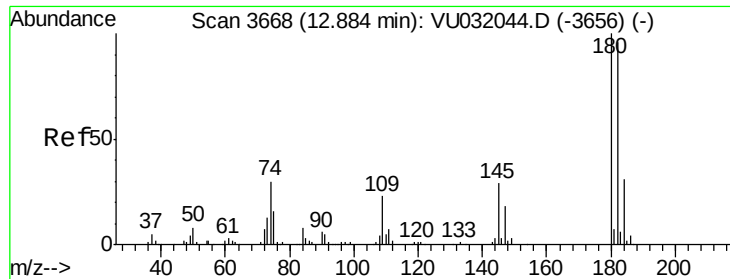
Tgt Ion:146 Resp: 693838
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.5 50.3
 148 62.7 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.501 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Tgt Ion: 75 Resp: 47194
 Ion Ratio Lower Upper
 75 100
 155 79.7 65.0 97.6
 157 100.1 84.3 126.5

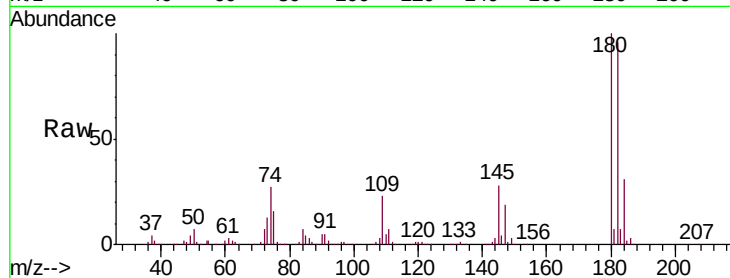




#67
 1,3,5-Trichlorobenzene
 Concen: 21.474 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.3	115.9
184	31.3	24.5	36.7
145	28.5	23.2	34.8



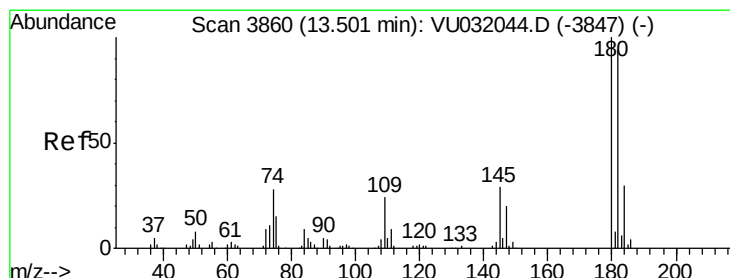
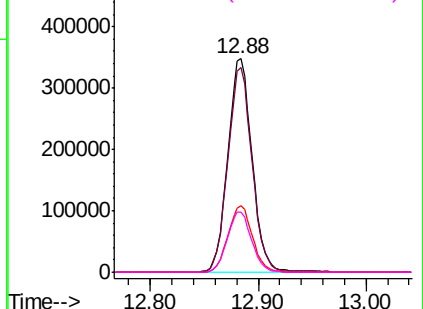
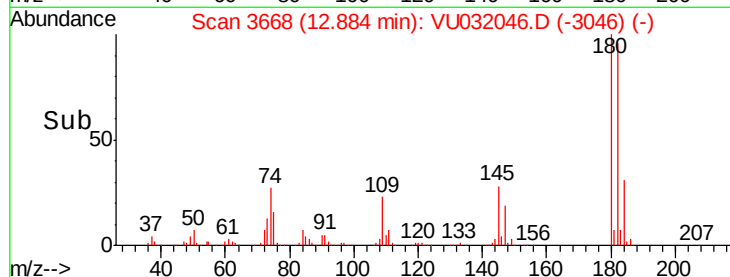
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

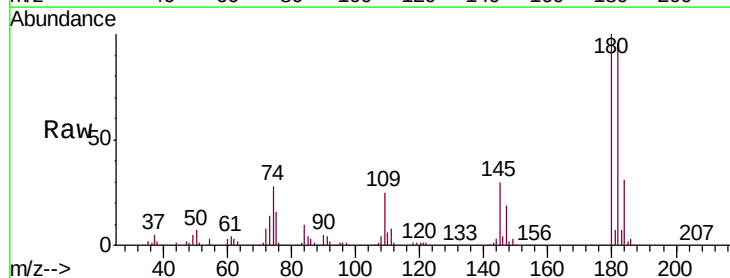
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.296 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032046.D
 Acq: 16 May 2019 13:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	78.4	117.6
145	29.3	23.5	35.3

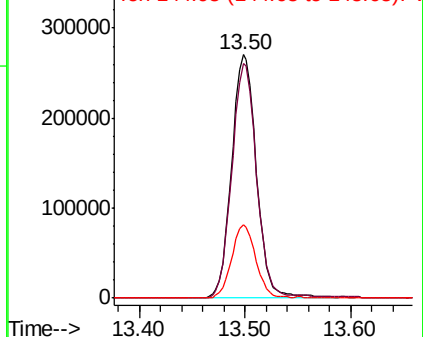
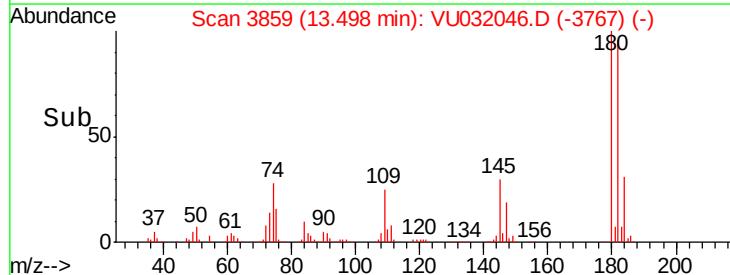


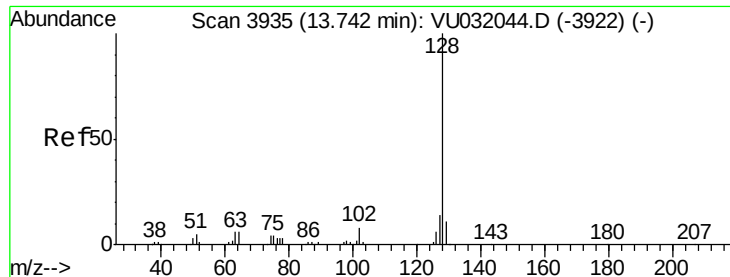
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 26.628 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD02010

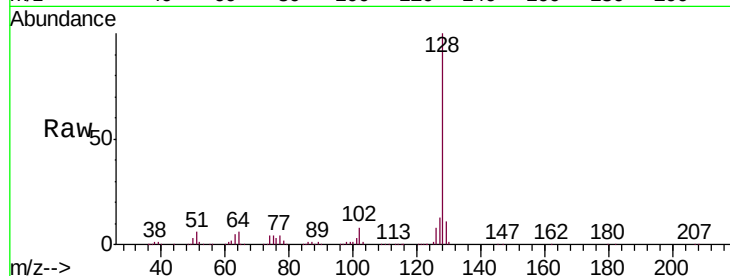
Tgt Ion:128 Resp: 779983

Ion Ratio Lower Upper

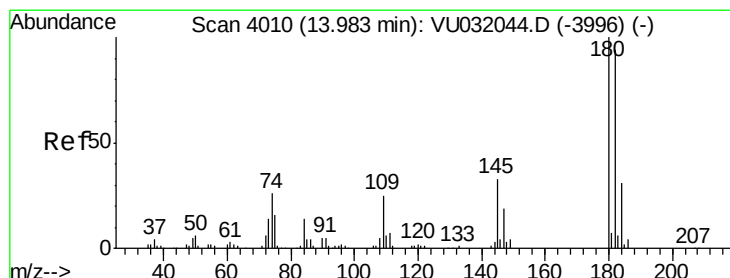
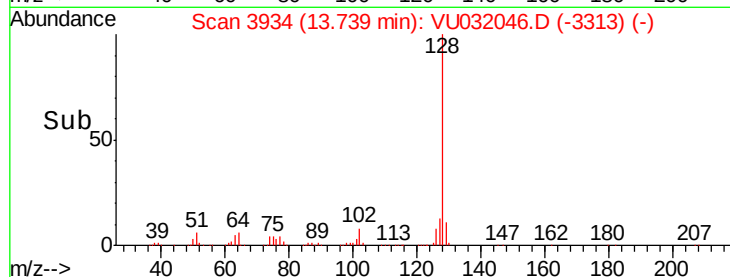
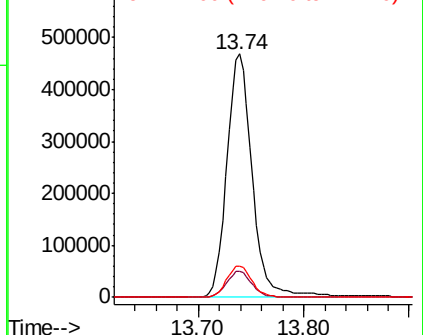
128 100

129 10.7 8.0 12.0

127 12.9 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.748 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032046.D

Acq: 16 May 2019 13:53

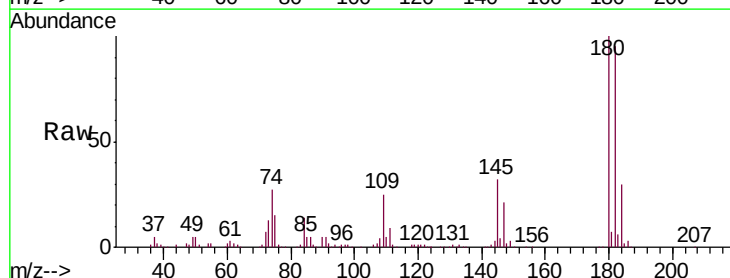
Tgt Ion:180 Resp: 440458

Ion Ratio Lower Upper

180 100

182 94.2 75.3 112.9

145 31.9 25.2 37.8



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

