

Data File : VU033470.D
Acq On : 29 Jul 2019 12:57
Operator : JC/SP
Sample : VSTD10036
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

Quant Time: Jul 30 03:46:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 03:41:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	324717	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	335176	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	177372	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	296857	99.07	ug/L	0.00
7) Chloroethane-d5	1.66	69	244525	98.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.25	63	524378	90.41	ug/L	0.00
21) 2-Butanone-d5	4.15	46	353568	200.42	ug/L	0.00
24) Chloroform-d	4.62	84	451880	99.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	280353	96.98	ug/L	0.00
32) Benzene-d6	5.31	84	916607	98.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	282978	97.70	ug/L	0.00
41) Toluene-d8	7.55	98	880724	99.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	142495	99.99	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	251714	202.41	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	424656	99.15	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.85	152	345098	104.06	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	305197	96.468	ug/L	99
3) Chloromethane	1.32	50	298253	93.282	ug/L	99
5) Vinyl chloride	1.39	62	354803	97.161	ug/L	100
6) Bromomethane	1.60	94	226594	98.774	ug/L	99
8) Chloroethane	1.68	64	214004	97.106	ug/L	99
9) Trichlorofluoromethane	1.87	101	463085	96.727	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	224511	90.055	ug/L	99
12) 1,1-Dichloroethene	2.27	96	224492	91.059	ug/L	92
13) Acetone	2.31	43	295840	180.492	ug/L	99
14) Carbon disulfide	2.46	76	663887	97.067	ug/L	99
15) Methyl Acetate	2.60	43	254306	97.335	ug/L	99
16) Methylene chloride	2.68	84	245897	95.663	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	224358	98.978	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	708451	101.672	ug/L	99
19) 1,1-Dichloroethane	3.42	63	425168	96.121	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	257426	100.371	ug/L	99
22) 2-Butanone	4.23	43	398761	198.030	ug/L	98
23) Bromochloromethane	4.52	128	132446	99.100	ug/L	98
25) Chloroform	4.65	83	442852	95.089	ug/L	99
27) 1,2-Dichloroethane	5.38	62	352698	97.526	ug/L	99
29) Cyclohexane	4.97	56	377157	100.367	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	377502	96.385	ug/L	99
31) Carbon tetrachloride	5.11	117	339642	97.284	ug/L	100
33) Benzene	5.37	78	972281	96.822	ug/L	100
34) Trichloroethene	6.16	95	248445	97.032	ug/L	99
35) Methylcyclohexane	6.40	83	397178	102.063	ug/L	98
37) 1,2-Dichloropropane	6.41	63	258099	97.179	ug/L	100
38) Bromodichloromethane	6.74	83	333521	96.986	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	414435	100.254	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	713240	198.719	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	1089625	98.845	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	372453	100.853	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	248062	97.827	ug/L	99
46) Tetrachloroethene	8.21	164	204560	100.394	ug/L	99
48) 2-Hexanone	8.34	43	578074	196.138	ug/L	99
49) Dibromochloromethane	8.46	129	282804	98.523	ug/L	99
50) 1,2-Dibromoethane	8.57	107	271774	98.198	ug/L	98
51) Chlorobenzene	9.10	112	689345	97.821	ug/L	99
52) Ethylbenzene	9.23	91	1180254	100.182	ug/L	99
53) m,p-Xylene	9.36	106	457269	100.688	ug/L	99
54) o-xylene	9.76	106	450620	102.654	ug/L	99
55) Styrene	9.77	104	774466	101.807	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	436375	99.208	ug/L	99
59) Bromoform	9.94	173	217253	102.093	ug/L	98
60) 1,2,3-Trichloropropane	10.48	75	331675	96.257	ug/L	99
61) Isopropylbenzene	10.15	105	1157812	102.169	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	996576	105.105	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	997531	104.424	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	554607	101.011	ug/L	100
65) 1,4-Dichlorobenzene	11.49	146	560975	101.227	ug/L	100
67) 1,2-Dichlorobenzene	11.86	146	558942	99.981	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	97721	100.012	ug/L	97
69) 1,3,5-Trichlorobenzene	12.87	180	423960	102.268	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	378411	108.511	ug/L	99
71) Naphthalene	13.73	128	1159592	109.021	ug/L	100
72) 1,2,3-Trichlorobenzene	13.97	180	388471	102.783	ug/L	100

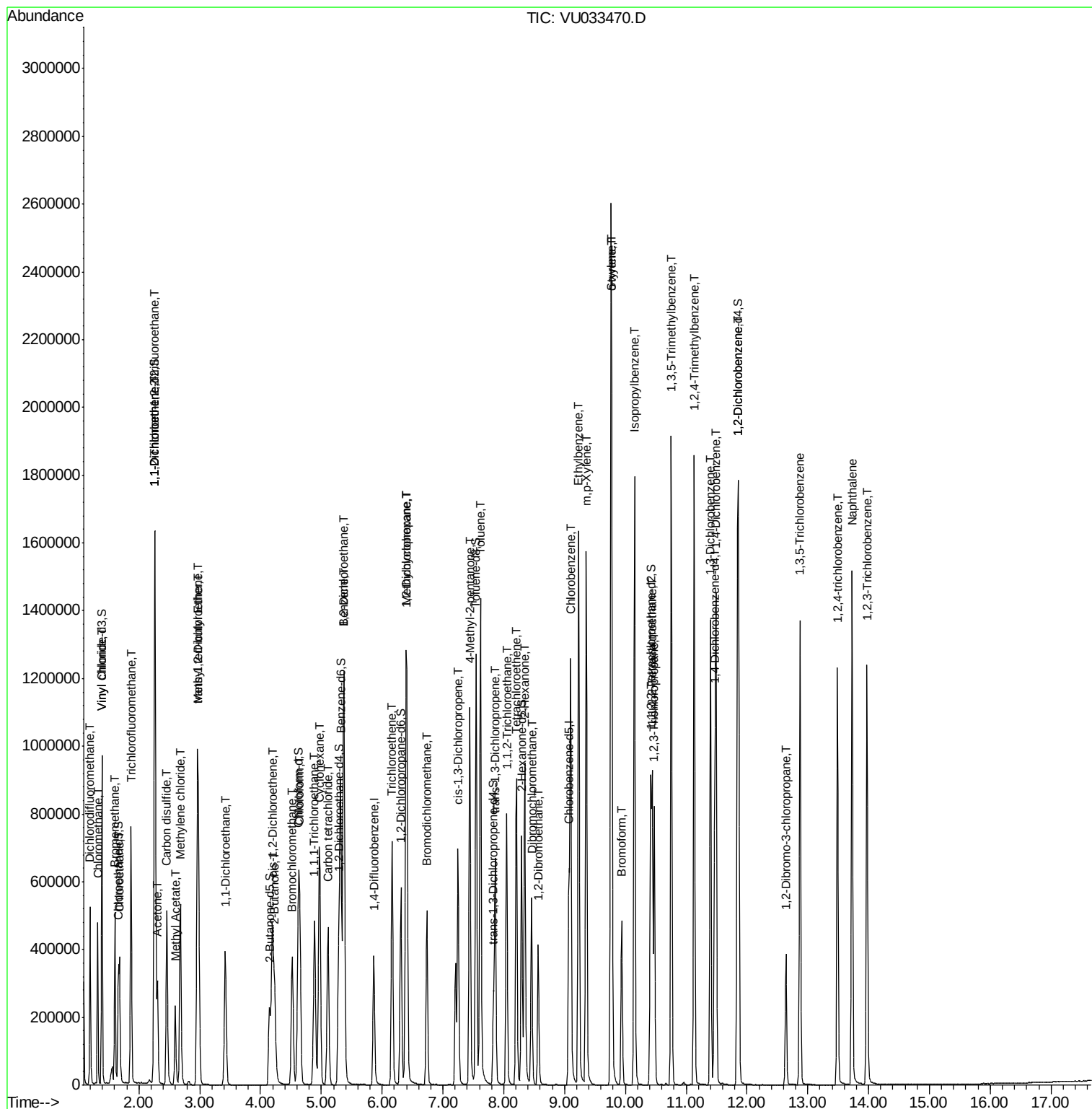
(#) = qualifier out of range (m) = manual integration (+) = signals summed

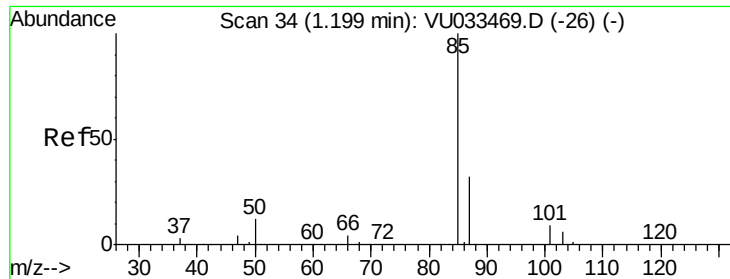
Data File : VU033470.D

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#2

Dichlorodifluoromethane

Concen: 96.468 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

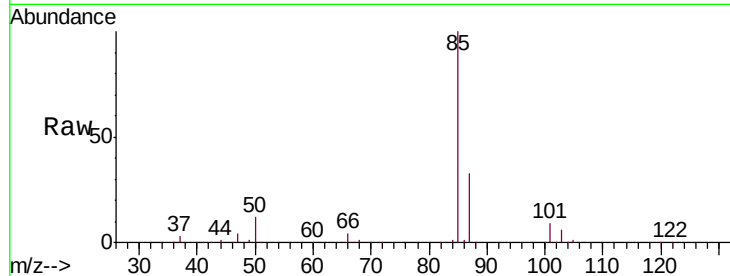
VSTD10036

Tgt Ion: 85 Resp: 305197

Ion Ratio Lower Upper

85 100

87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU033469.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033469.D (-26) (-)

1.20

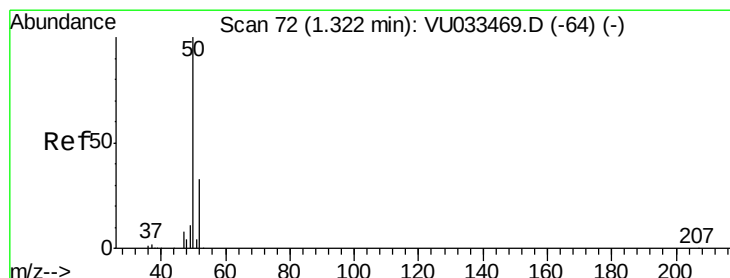
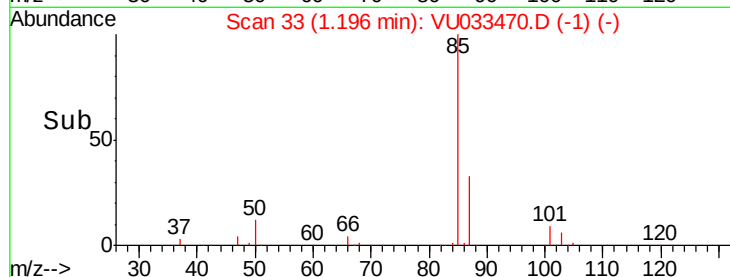
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 93.282 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033470.D

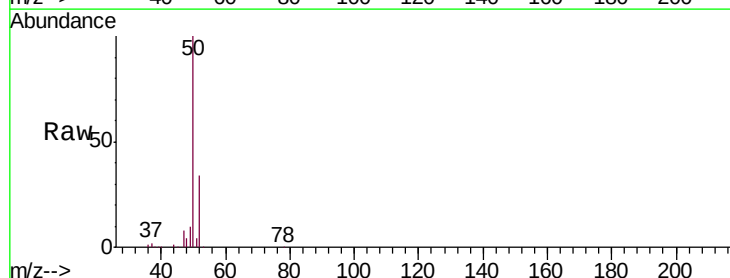
Acq: 29 Jul 2019 12:57

Tgt Ion: 50 Resp: 298253

Ion Ratio Lower Upper

50 100

52 33.7 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU033469.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033469.D (-64) (-)

1.32

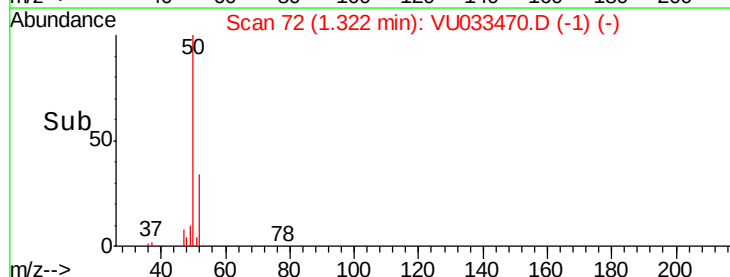
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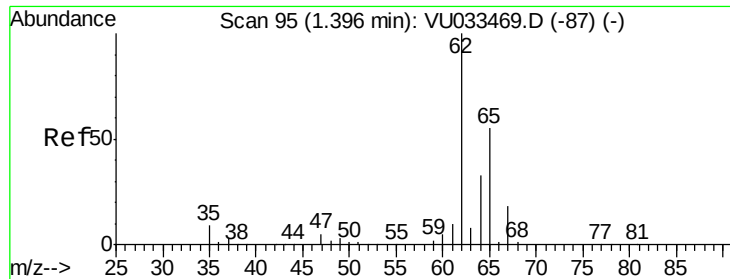
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 97.161 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

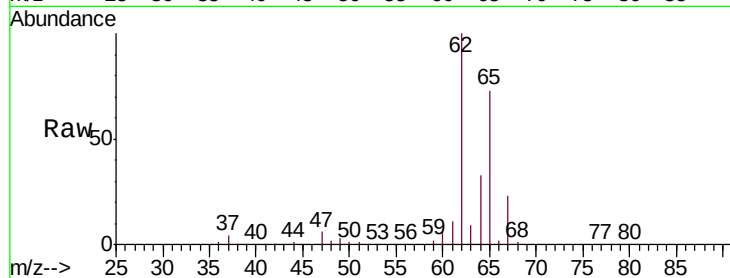
VSTD10036

Tgt Ion: 62 Resp: 354803

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033470.D (-2) (-)

Ion 64.00 (63.70 to 64.70): VU033470.D (-2) (-)

1.39

300000

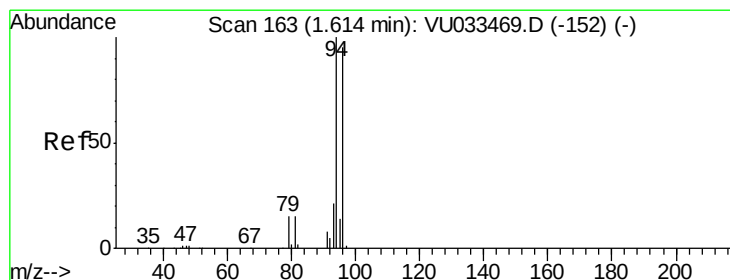
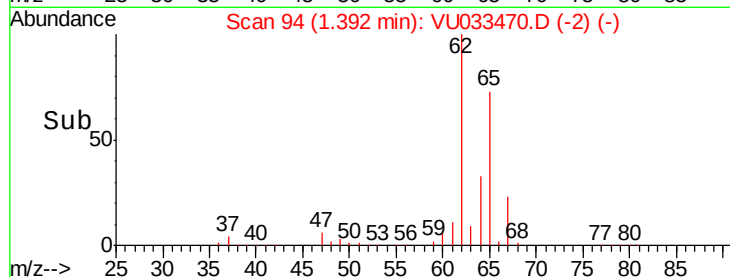
200000

100000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 98.774 ug/L

RT: 1.60 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU033470.D

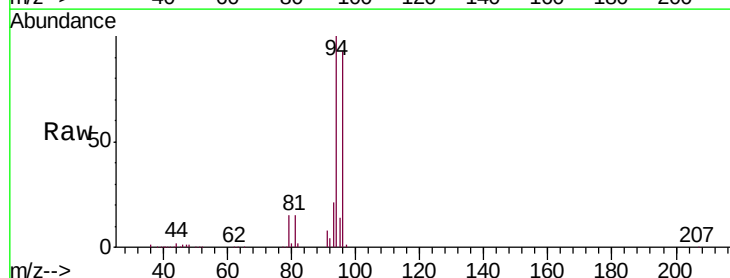
Acq: 29 Jul 2019 12:57

Tgt Ion: 94 Resp: 226594

Ion Ratio Lower Upper

94 100

96 93.2 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU033470.D (-70) (-)

Ion 96.00 (95.70 to 96.70): VU033470.D (-70) (-)

1.60

200000

150000

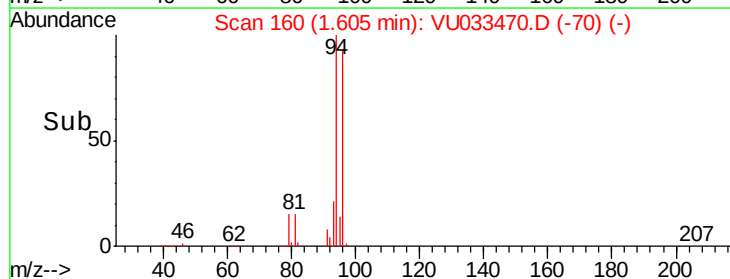
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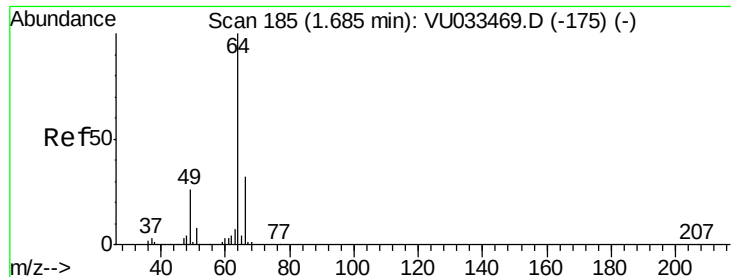
50000

0

Time-->

1.55 1.60 1.65 1.70





#8

Chloroethane

Concen: 97.106 ug/L

RT: 1.68 min Scan# 184

Delta R.T. -0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

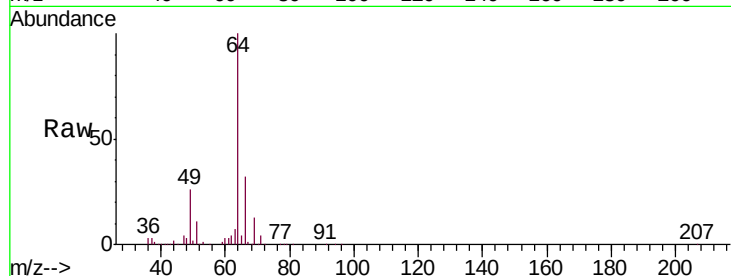
VSTD10036

Tgt Ion: 64 Resp: 214004

Ion Ratio Lower Upper

64 100

66 32.4 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU033469.D

Ion 66.00 (65.70 to 66.70): VU033469.D

1.68

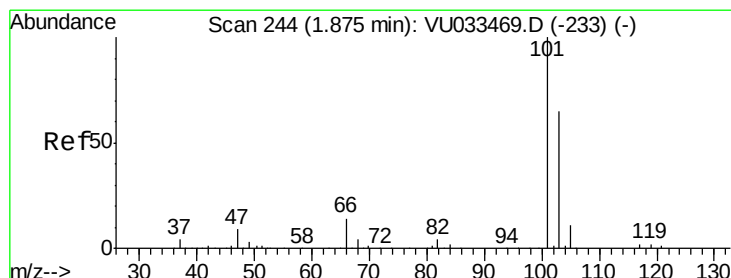
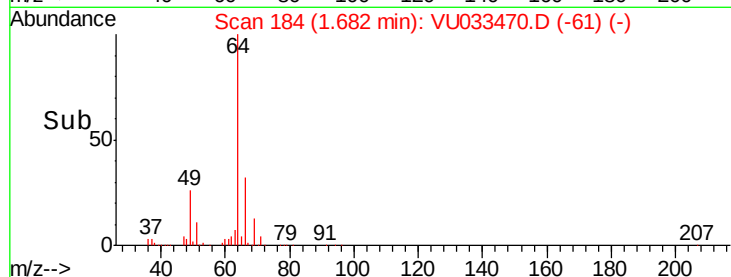
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 96.727 ug/L

RT: 1.87 min Scan# 243

Delta R.T. -0.00 min

Lab File: VU033470.D

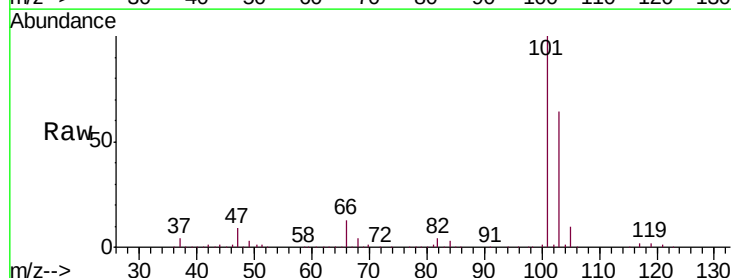
Acq: 29 Jul 2019 12:57

Tgt Ion: 101 Resp: 463085

Ion Ratio Lower Upper

101 100

103 64.3 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU033469.D

Ion 103.00 (102.70 to 103.70): VU033469.D

1.87

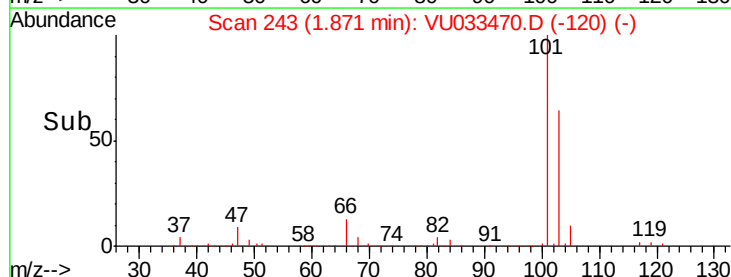
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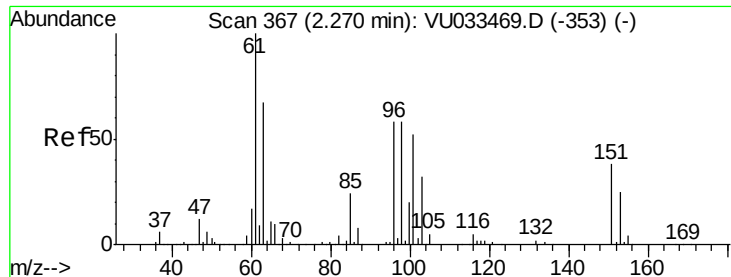
200000

100000

0

Time-->





#10

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

Concen: 90.055 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

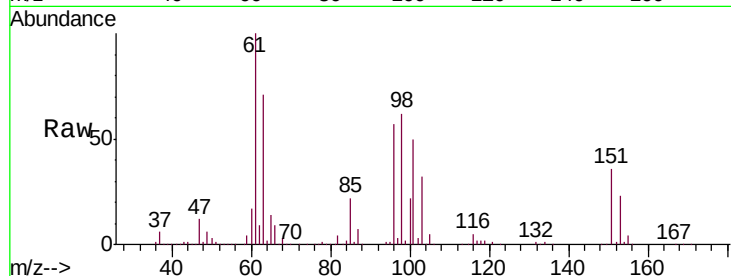
Tgt Ion: 101 Resp: 224511

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.8

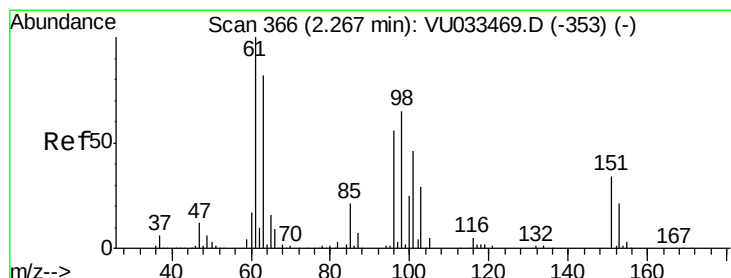
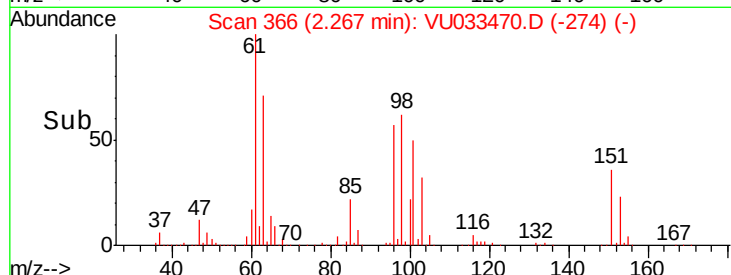
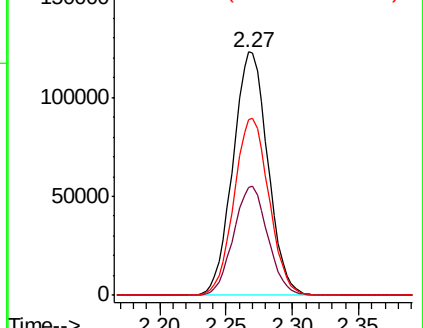
151 73.0 58.6 87.8



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: 91.059 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

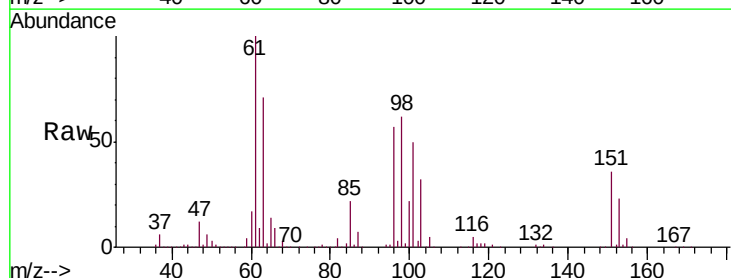
Tgt Ion: 96 Resp: 224492

Ion Ratio Lower Upper

96 100

61 174.7 124.1 230.5

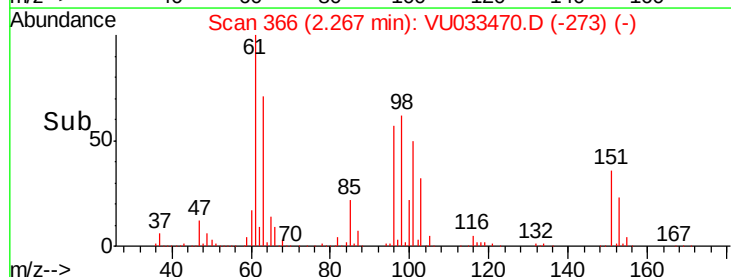
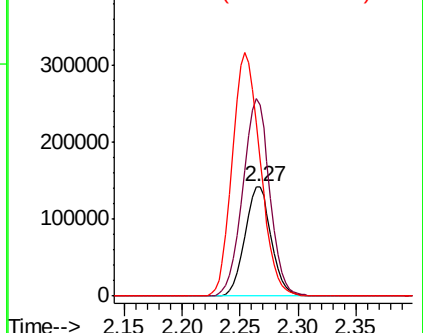
63 124.8 101.8 189.2

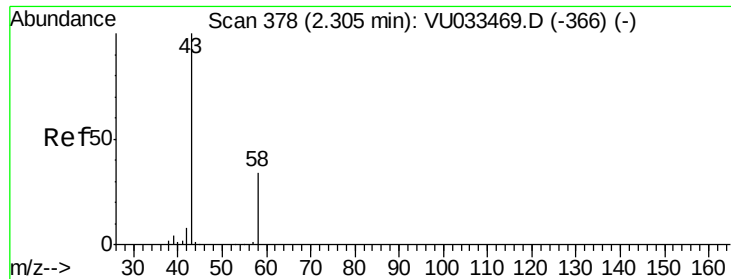


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

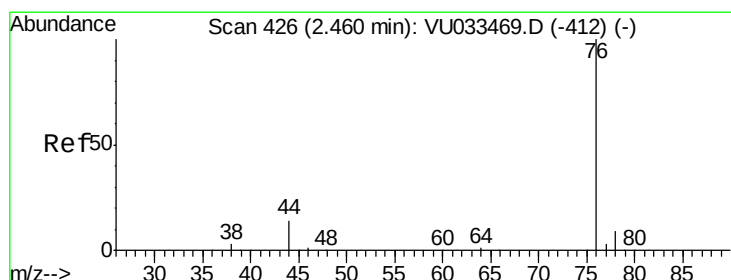
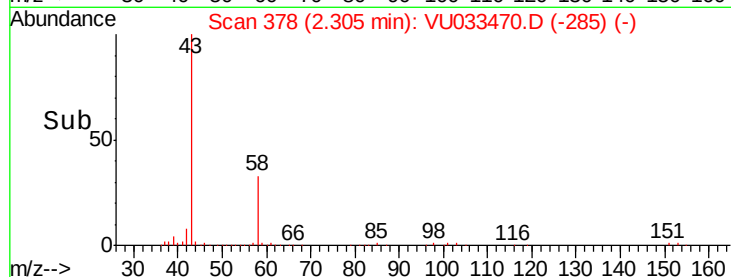
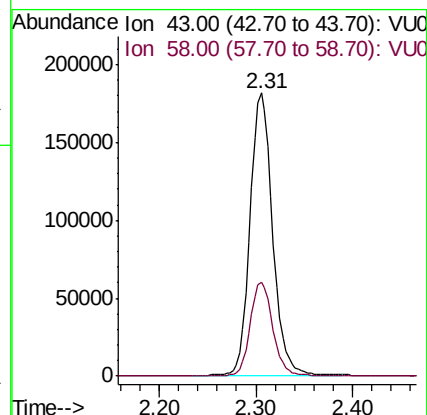
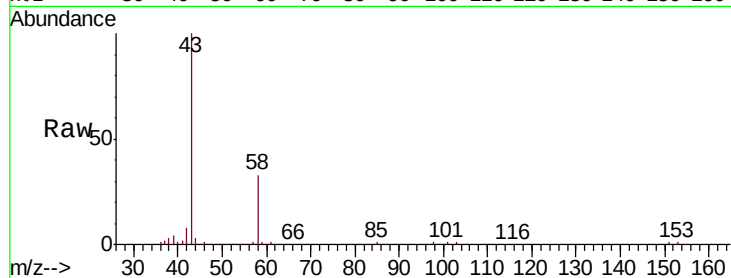




#13
Acetone
Concen: 180.492 ug/L
RT: 2.31 min Scan# 378
Delta R.T. 0.00 min
Lab File: VU033470.D
Acq: 29 Jul 2019 12:57

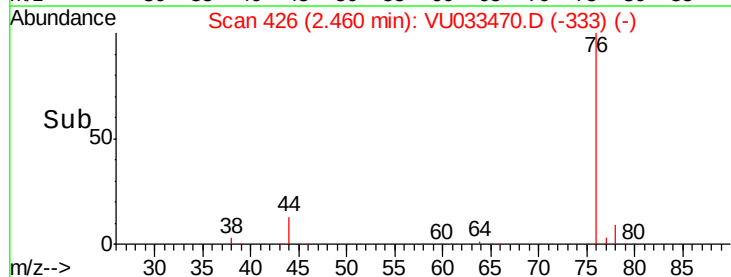
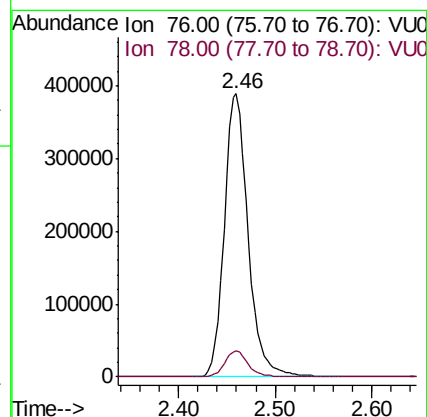
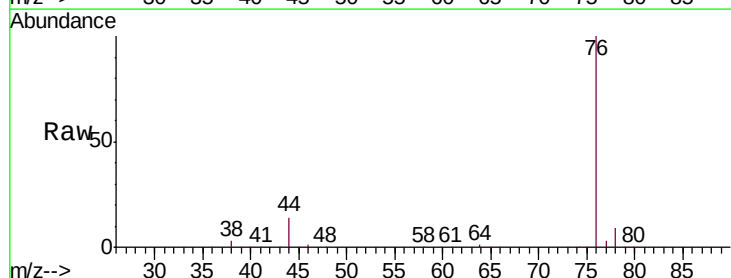
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

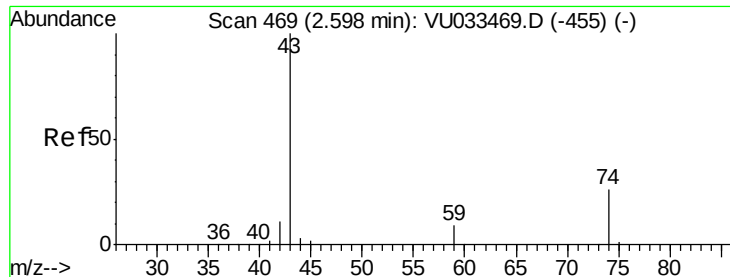
Tgt Ion: 43 Resp: 295840
Ion Ratio Lower Upper
43 100
58 32.9 0.0 67.4



#14
Carbon disulfide
Concen: 97.067 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VU033470.D
Acq: 29 Jul 2019 12:57

Tgt Ion: 76 Resp: 663887
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

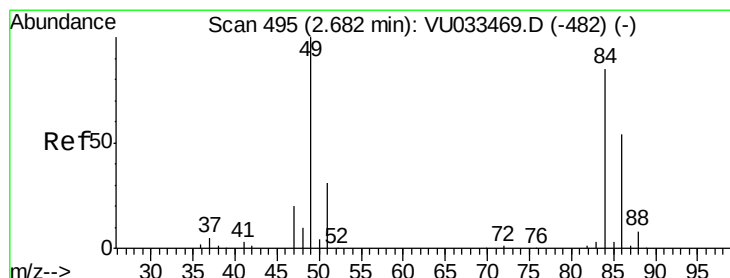
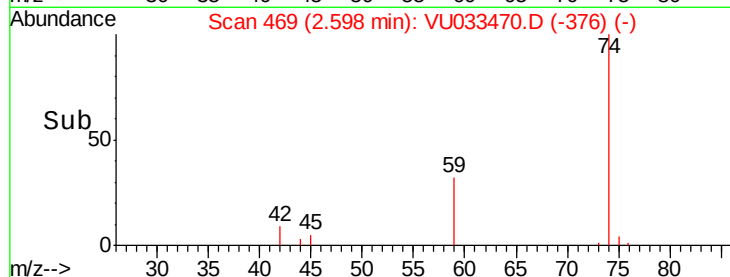
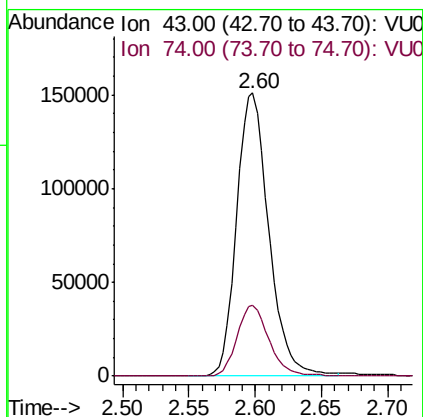
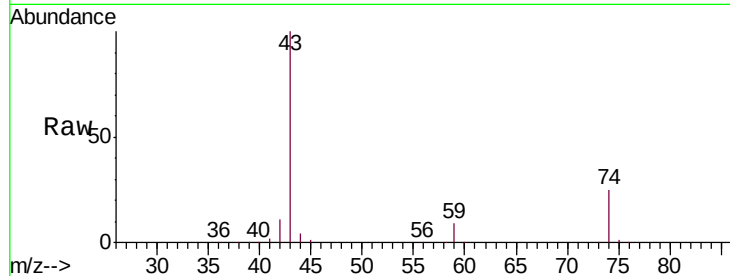




#15
Methyl Acetate
Concen: 97.335 ug/L
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU033470.D
Acq: 29 Jul 2019 12:57

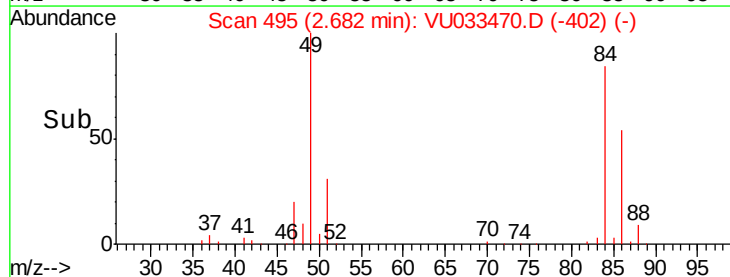
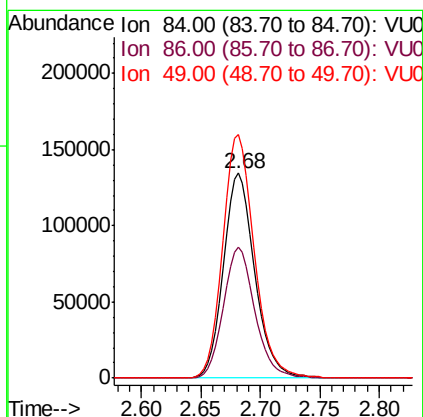
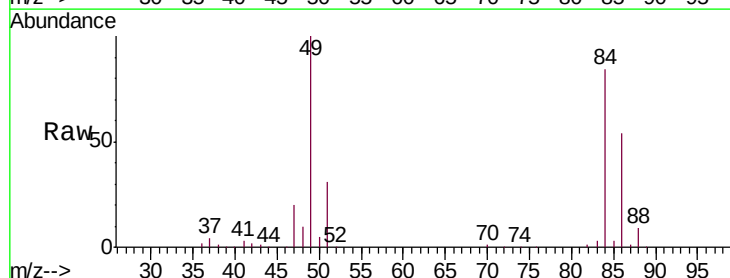
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

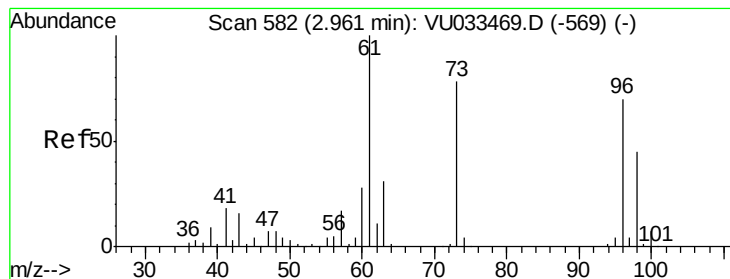
Tgt Ion: 43 Resp: 254306
Ion Ratio Lower Upper
43 100
74 24.9 20.5 30.7



#16
Methylene chloride
Concen: 95.663 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033470.D
Acq: 29 Jul 2019 12:57

Tgt Ion: 84 Resp: 245897
Ion Ratio Lower Upper
84 100
86 63.7 44.2 82.0
49 118.7 82.3 152.8





#17

trans-1,2-Dichloroethene

Concen: 98.978 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

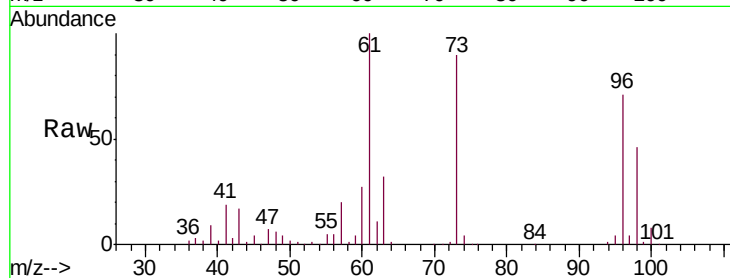
Tgt Ion: 96 Resp: 224358

Ion Ratio Lower Upper

96 100

61 140.4 100.3 186.3

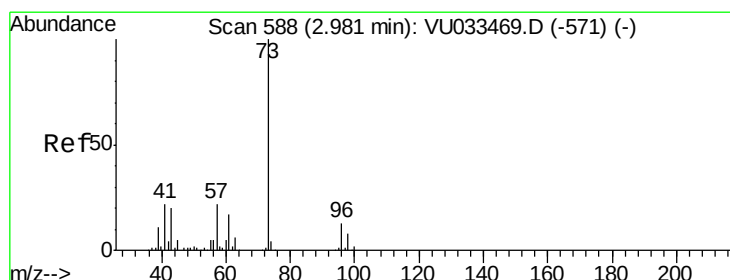
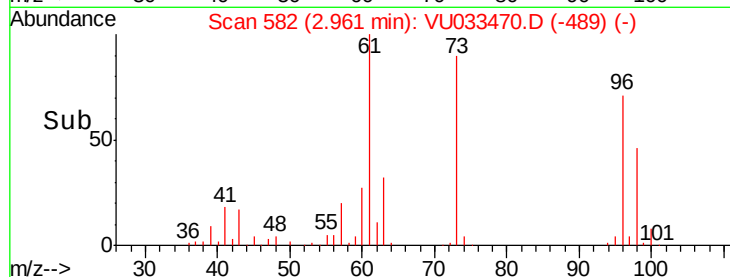
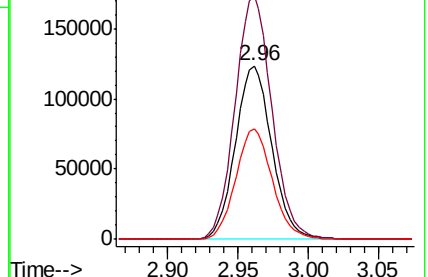
98 64.1 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU033469.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU033469.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU033469.D (-569) (-)



#18

Methyl tert-butyl Ether

Concen: 101.672 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

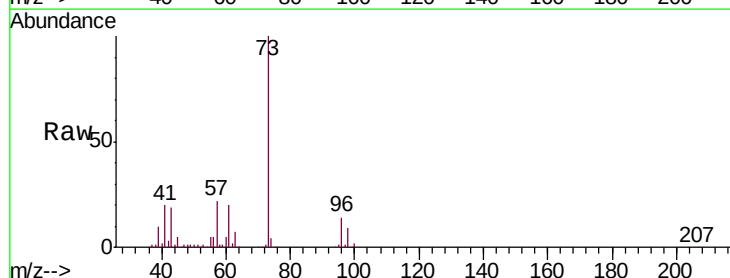
Tgt Ion: 73 Resp: 708451

Ion Ratio Lower Upper

73 100

43 19.1 15.3 22.9

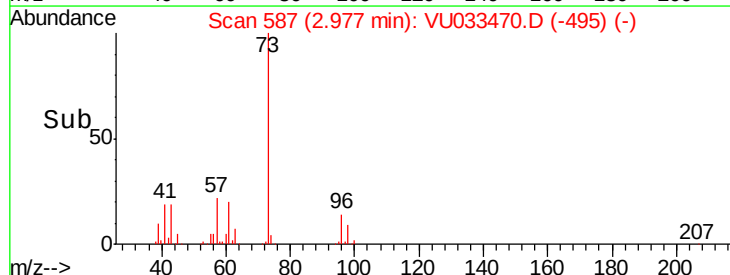
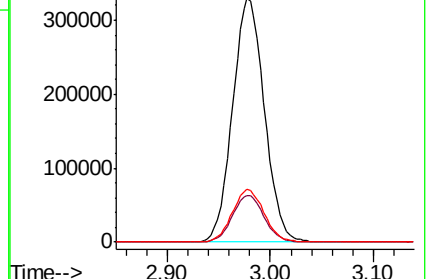
57 21.7 17.7 26.5

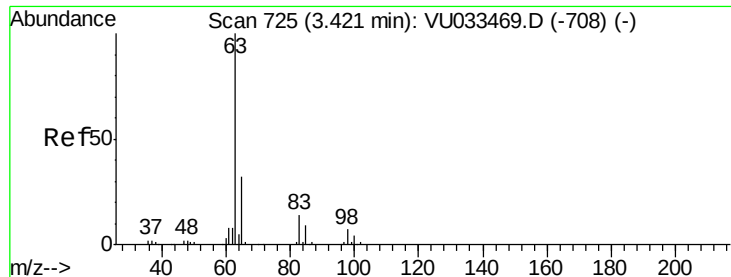


Abundance Ion 73.00 (72.70 to 73.70): VU033469.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033469.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033469.D (-571) (-)

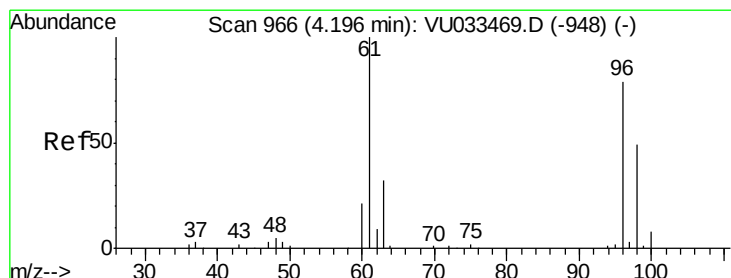
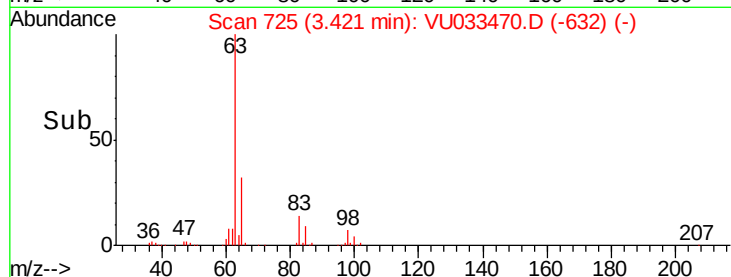
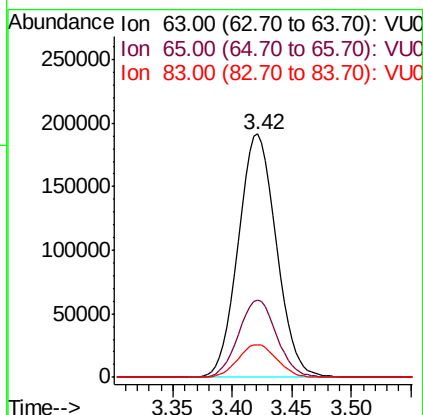
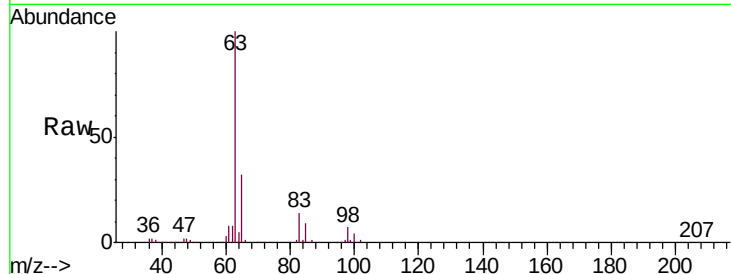




#19
 1,1-Dichloroethane
 Concen: 96.121 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

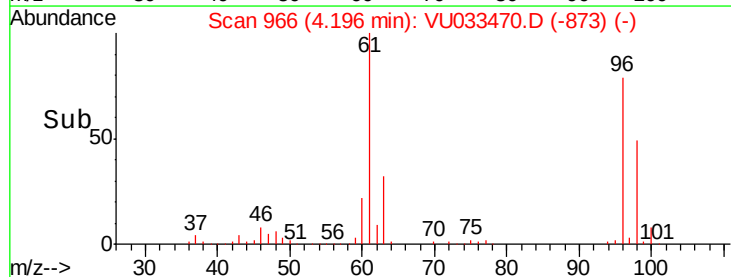
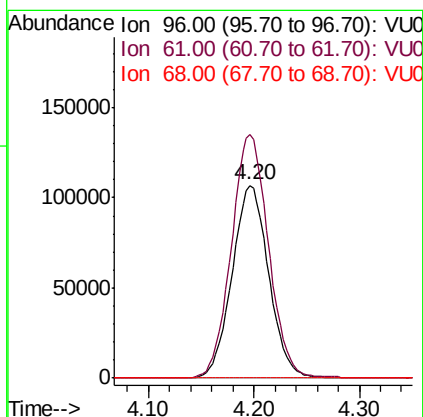
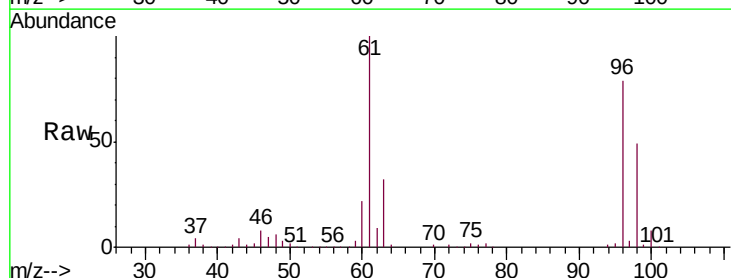
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

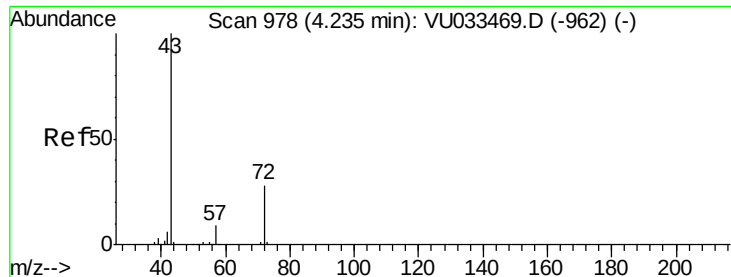
Tgt Ion: 63 Resp: 425168
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.7 42.1
 83 13.6 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 100.371 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Tgt Ion: 96 Resp: 257426
 Ion Ratio Lower Upper
 96 100
 61 126.3 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 198.030 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

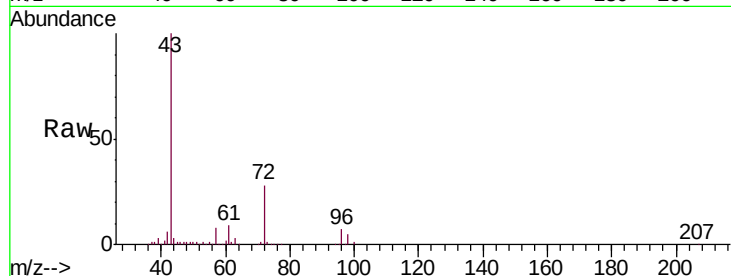
VSTD10036

Tgt Ion: 43 Resp: 398761

Ion Ratio Lower Upper

43 100

72 29.2 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU033469.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU033469.D (-962) (-)

4.23

150000

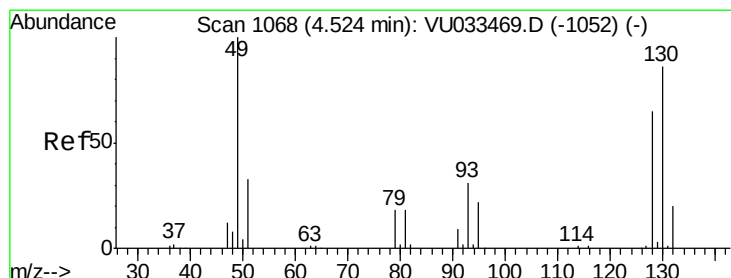
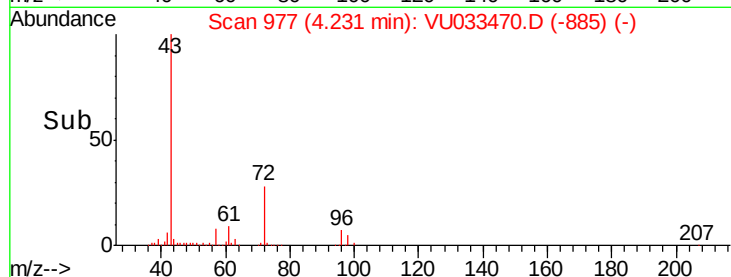
100000

50000

0

4.10 4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 99.100 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Tgt Ion: 128 Resp: 132446

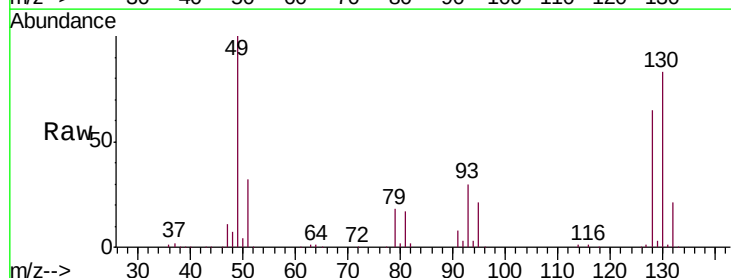
Ion Ratio Lower Upper

128 100

49 154.9 108.0 200.6

130 129.2 92.9 172.5

51 49.1 40.2 60.4



Abundance Ion 128.00 (127.70 to 128.70): VU033469.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033469.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033469.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033469.D (-1052) (-)

4.52

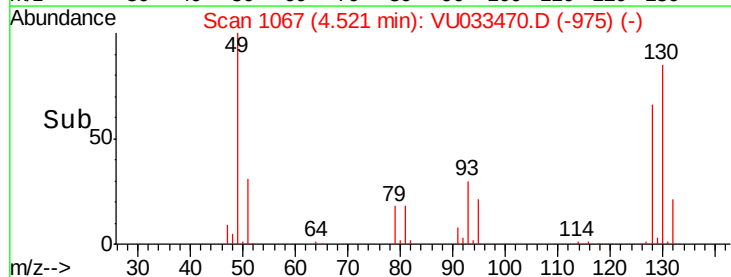
100000

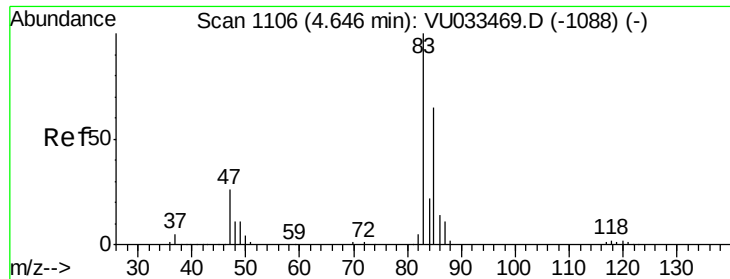
50000

0

4.40 4.50 4.60

Time-->

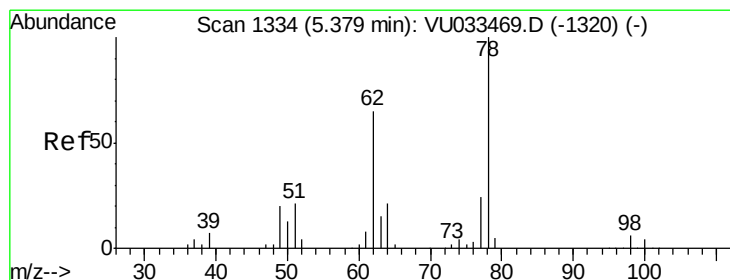
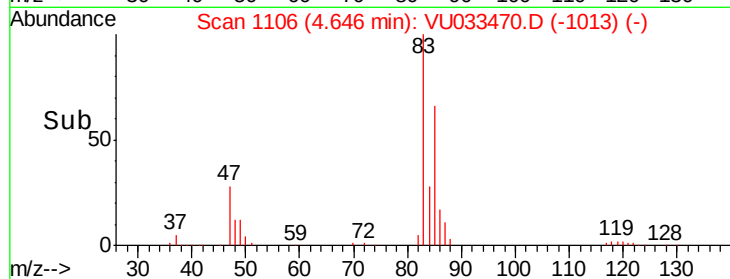
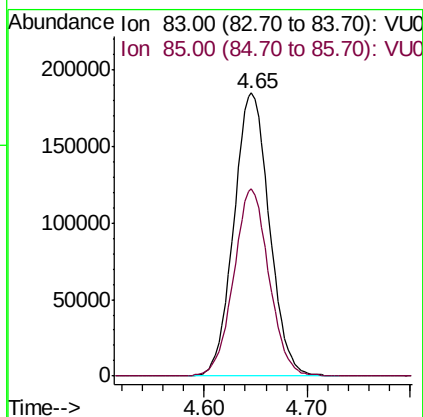
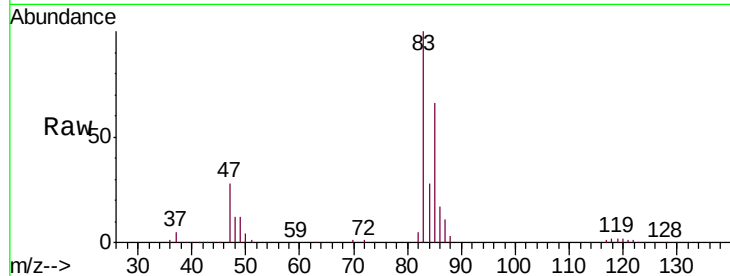




#25
Chloroform
Concen: 95.089 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033470.D
Acq: 29 Jul 2019 12:57

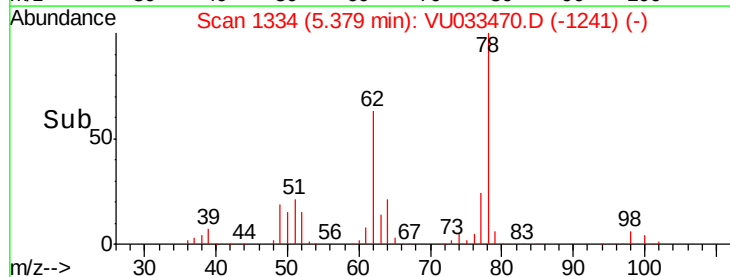
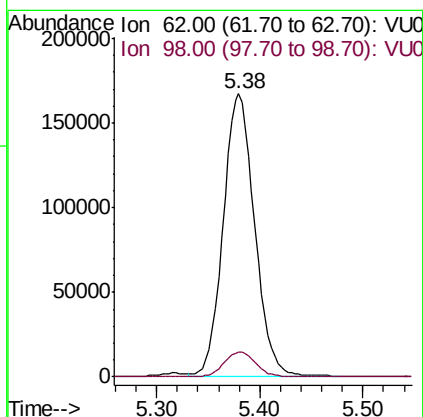
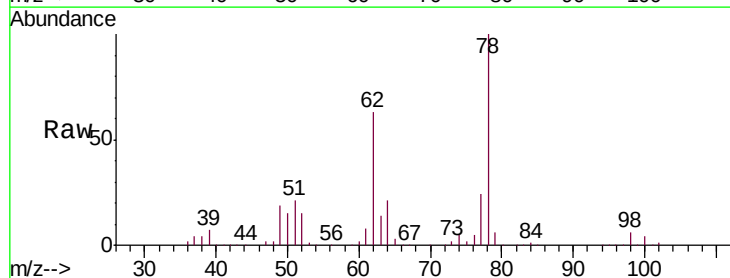
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

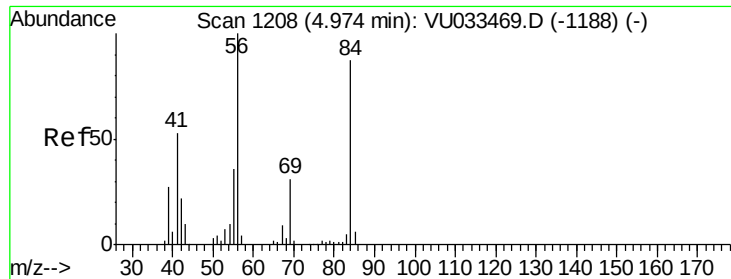
Tgt Ion: 83 Resp: 442852
Ion Ratio Lower Upper
83 100
85 66.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 97.526 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033470.D
Acq: 29 Jul 2019 12:57

Tgt Ion: 62 Resp: 352698
Ion Ratio Lower Upper
62 100
98 8.9 6.7 10.1

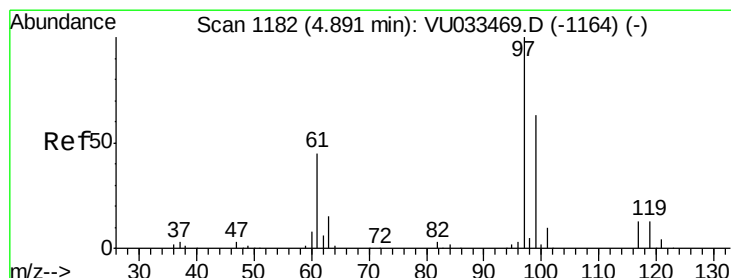
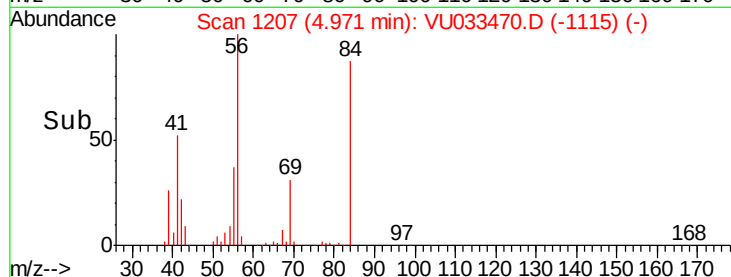
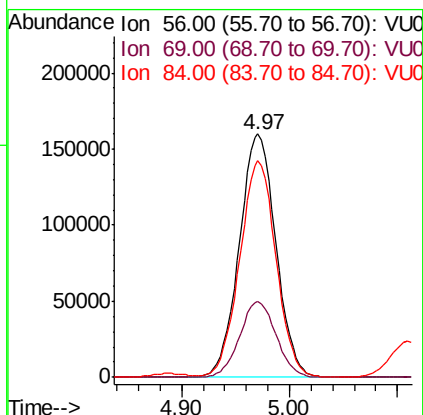
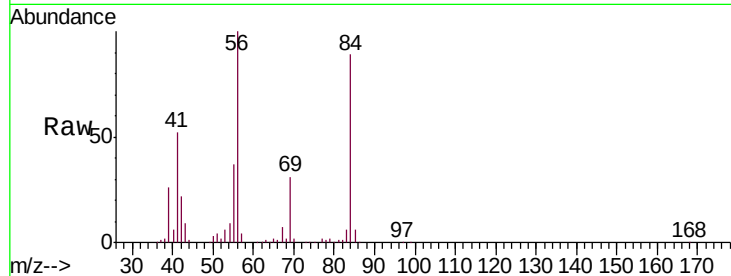




#29
Cyclohexane
Concen: 100.367 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033470.D
Acq: 29 Jul 2019 12:57

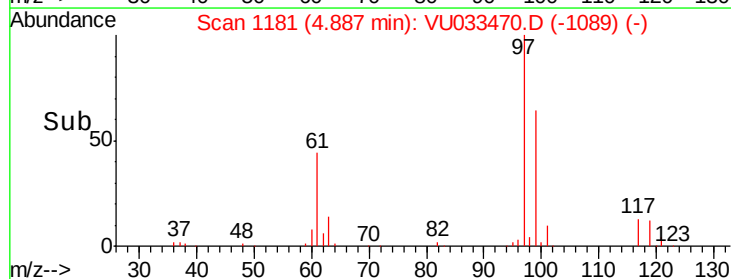
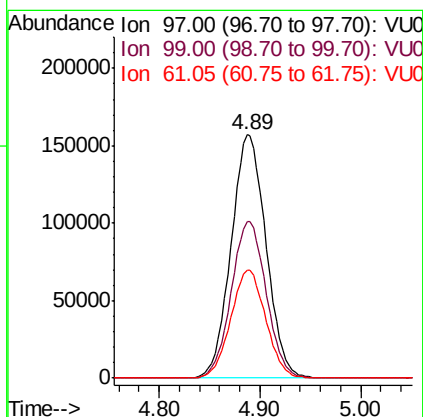
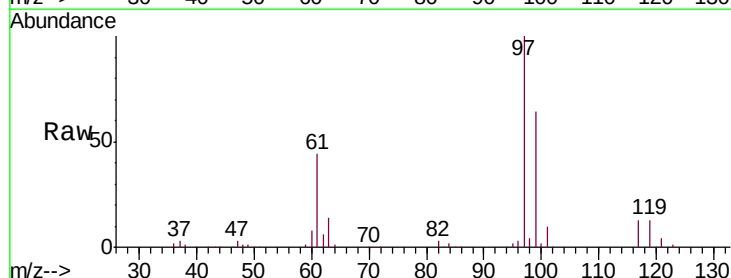
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

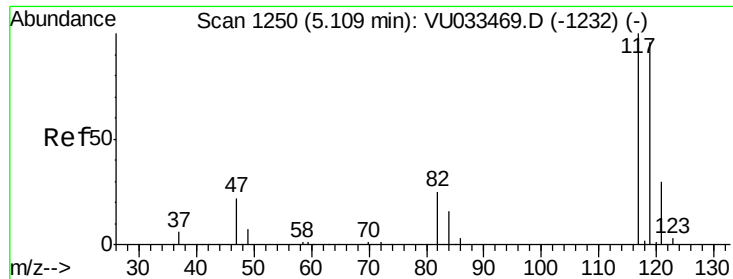
Tgt Ion: 56 Resp: 377157
Ion Ratio Lower Upper
56 100
69 31.2 25.3 37.9
84 88.5 69.6 104.4



#30
1,1,1-Trichloroethane
Concen: 96.385 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033470.D
Acq: 29 Jul 2019 12:57

Tgt Ion: 97 Resp: 377502
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.6
61 44.7 36.2 54.2





#31

Carbon tetrachloride

Concen: 97.284 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

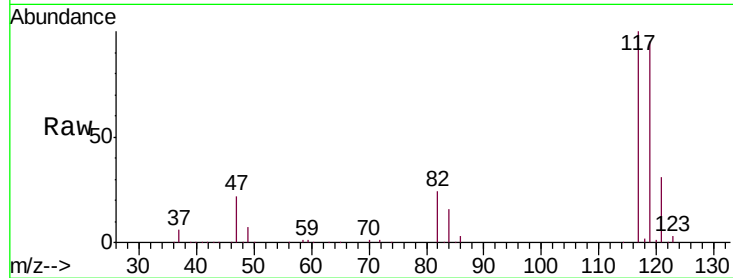
VSTD10036

Tgt Ion:117 Resp: 339642

Ion Ratio Lower Upper

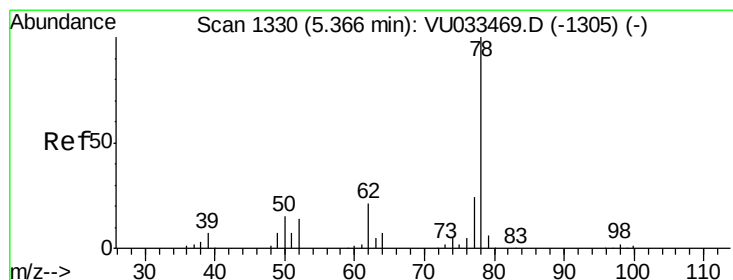
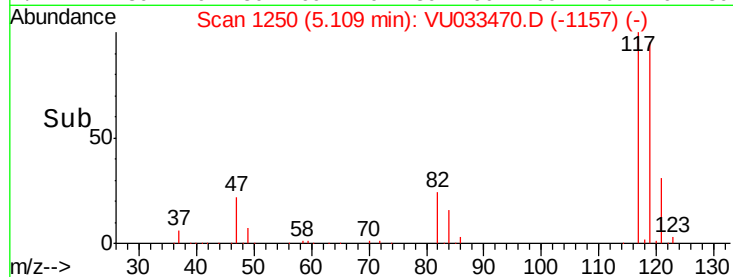
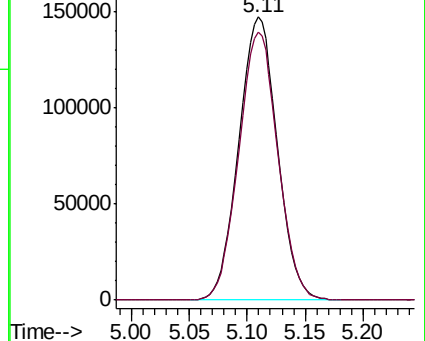
117 100

119 96.0 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 96.822 ug/L

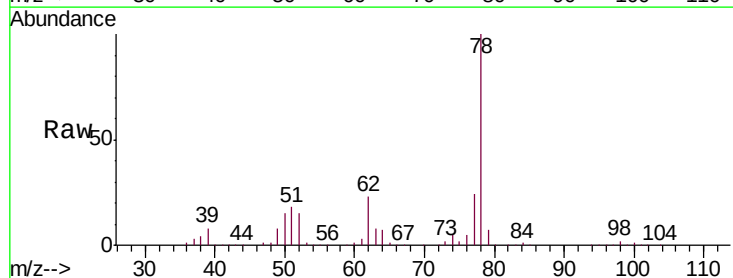
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033470.D

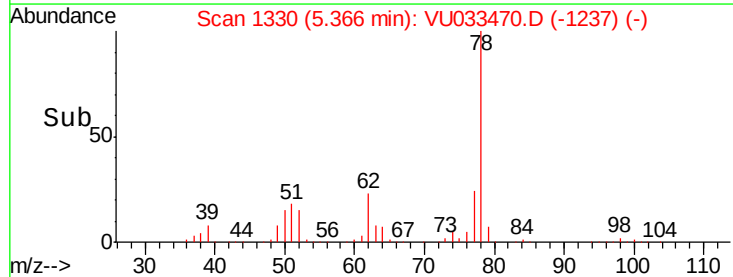
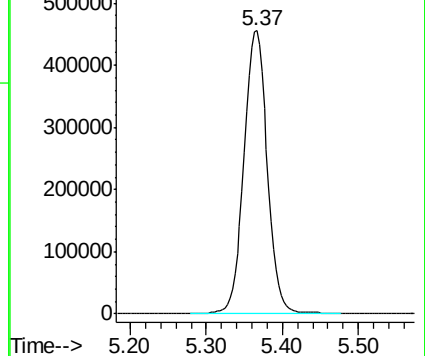
Acq: 29 Jul 2019 12:57

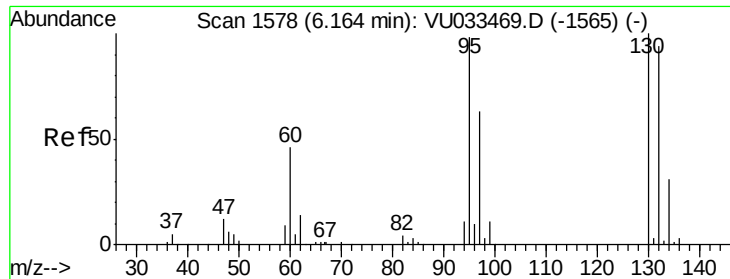
Tgt Ion: 78 Resp: 972281



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 97.032 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

Tgt Ion: 95 Resp: 248445

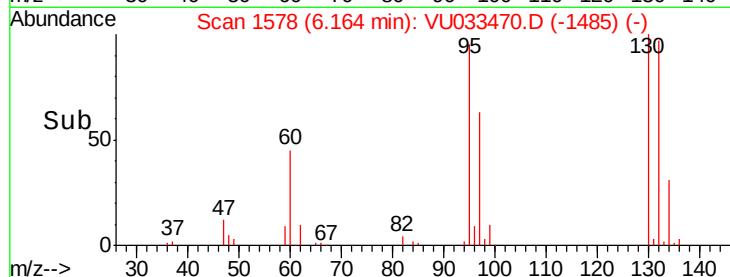
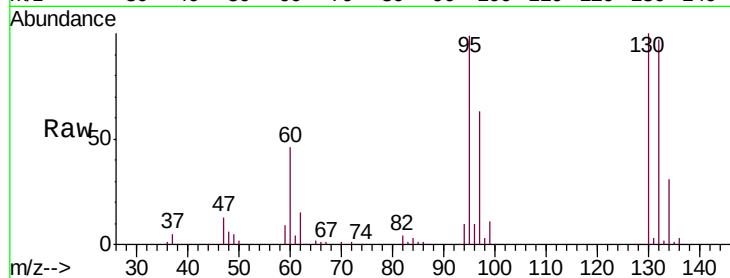
Ion Ratio Lower Upper

95 100

97 64.1 45.4 84.2

132 98.2 67.1 124.5

130 101.1 71.4 132.6

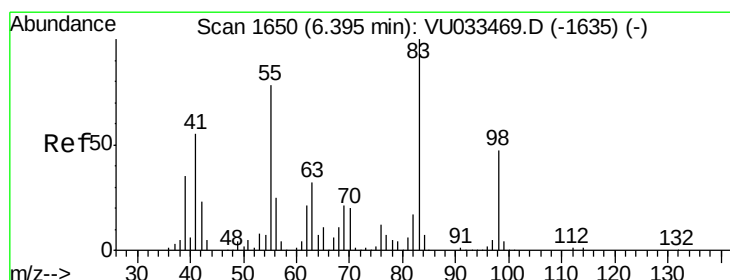
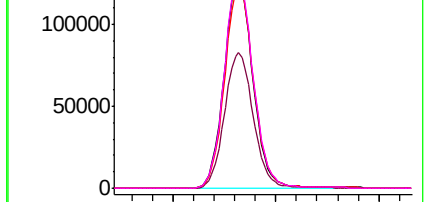


Abundance Ion 95.00 (94.70 to 95.70): VU033469.D (-1565) (-)

Ion 97.00 (96.70 to 97.70): VU033469.D (-1565) (-)

Ion 132.00 (131.70 to 132.70): VU033469.D (-1565) (-)

Ion 130.00 (129.70 to 130.70): VU033469.D (-1565) (-)



#35

Methylcyclohexane

Concen: 102.063 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

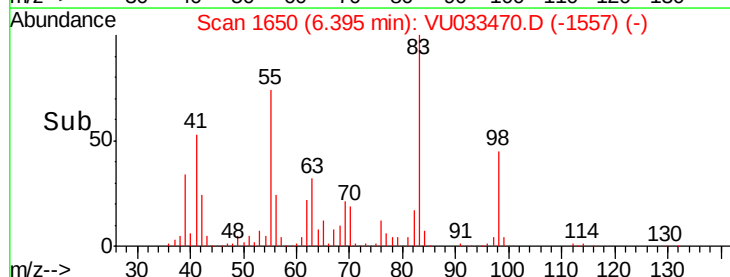
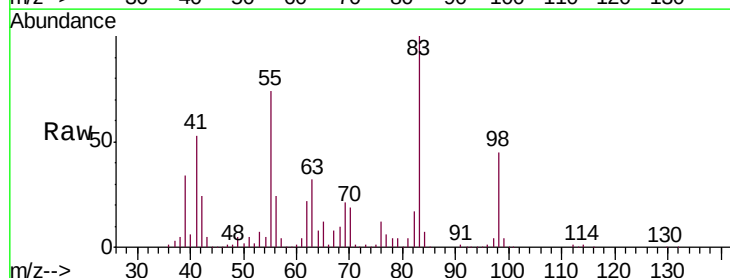
Tgt Ion: 83 Resp: 397178

Ion Ratio Lower Upper

83 100

55 74.8 62.4 93.6

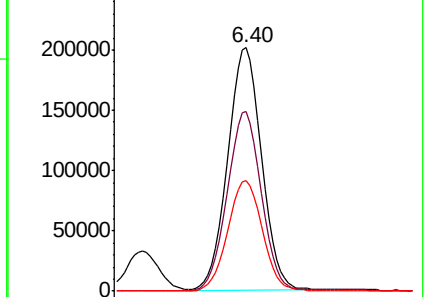
98 46.4 37.3 55.9

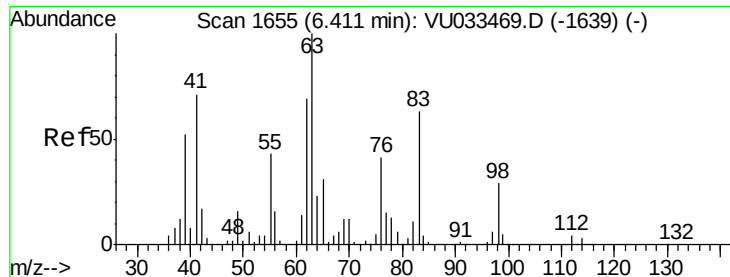


Abundance Ion 83.00 (82.70 to 83.70): VU033469.D (-1635) (-)

Ion 55.00 (54.70 to 55.70): VU033469.D (-1635) (-)

Ion 98.00 (97.70 to 98.70): VU033469.D (-1635) (-)

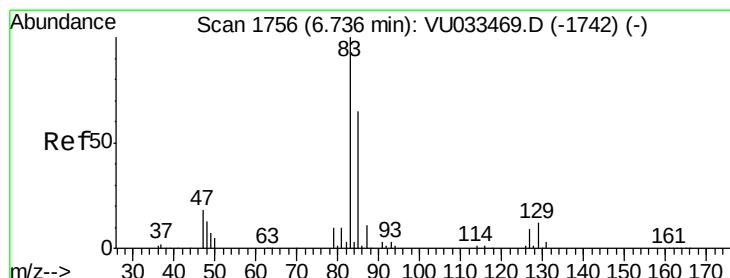
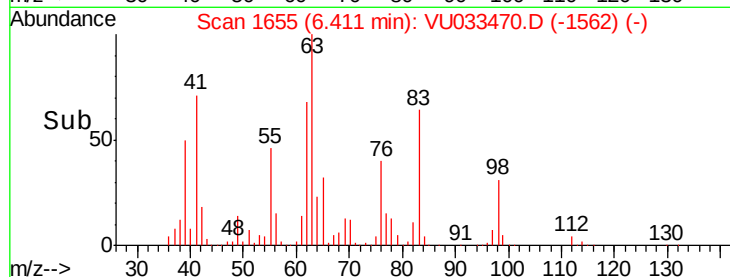
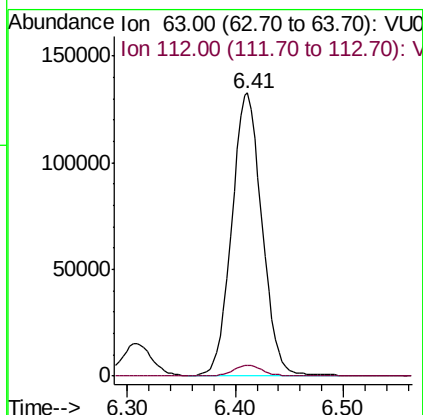
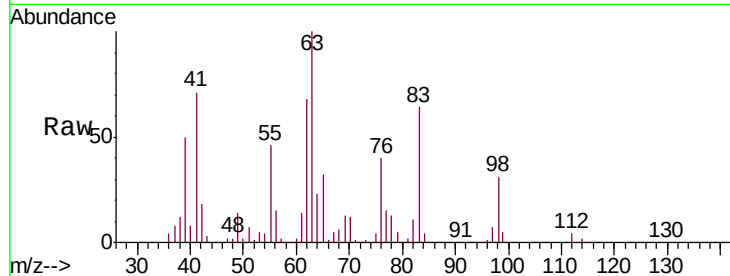




#37
 1,2-Dichloropropane
 Concen: 97.179 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

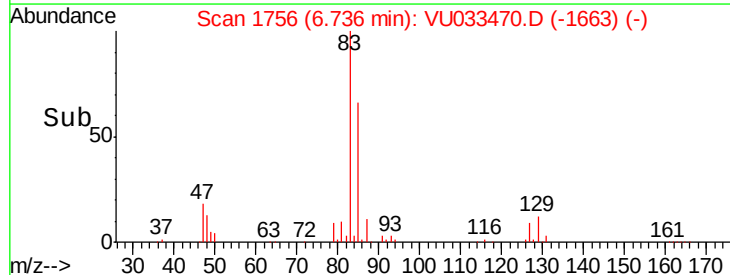
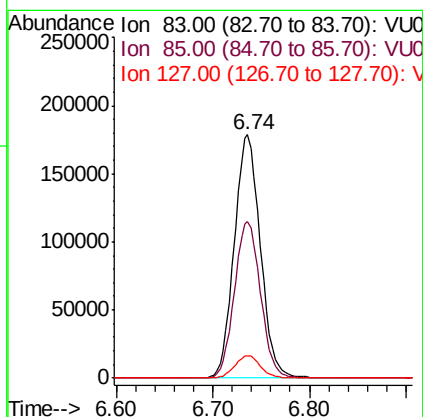
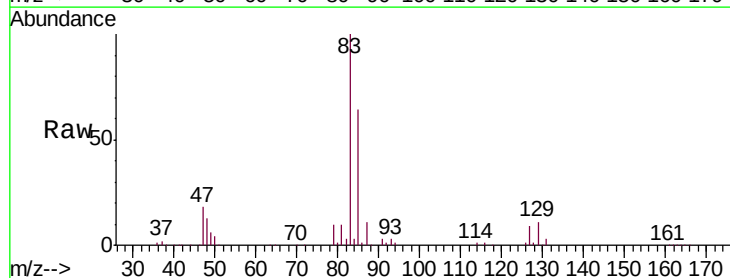
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

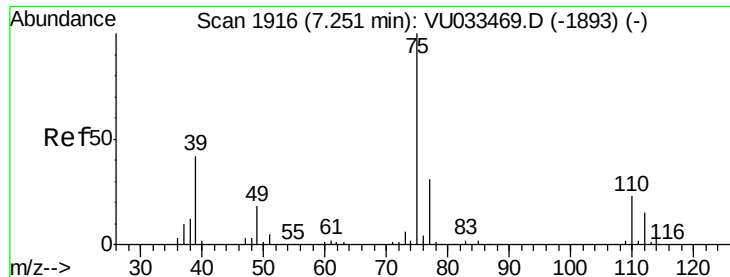
Tgt Ion: 63 Resp: 258099
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 96.986 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Tgt Ion: 83 Resp: 333521
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.4 84.4
 127 9.3 7.3 10.9



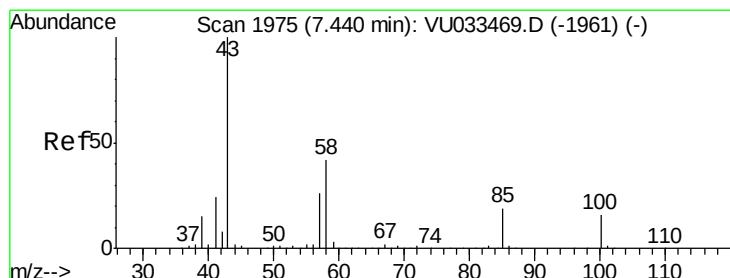
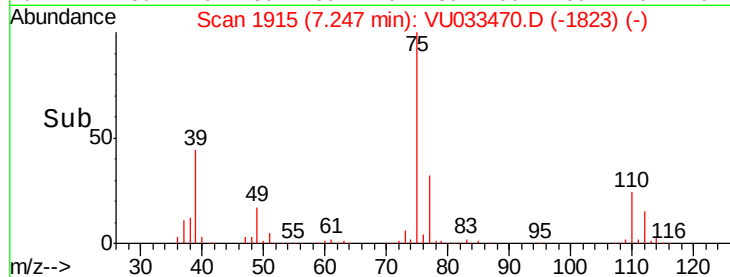
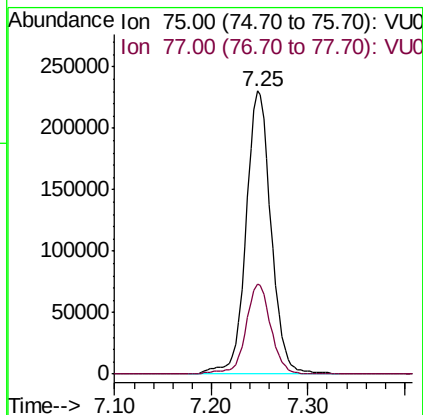
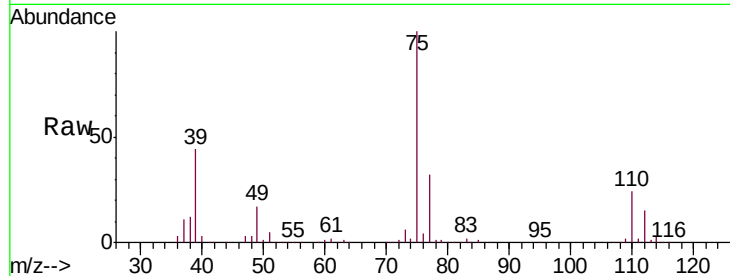


#39

cis-1,3-Dichloropropene
 Concen: 100.254 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

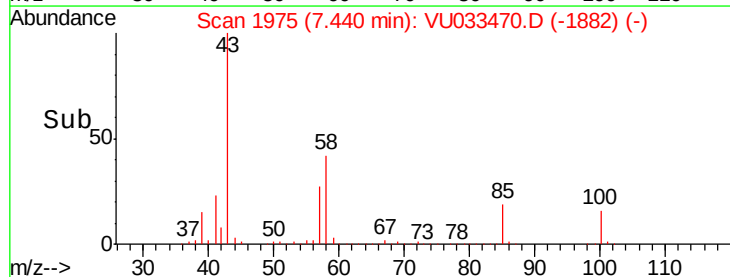
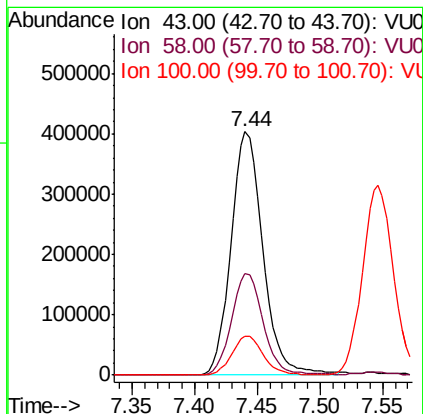
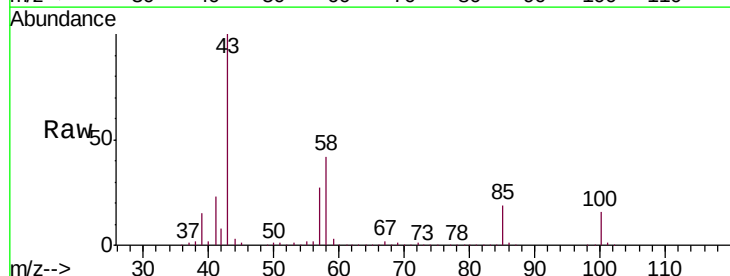
Tgt Ion: 75 Resp: 414435
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.6 40.2

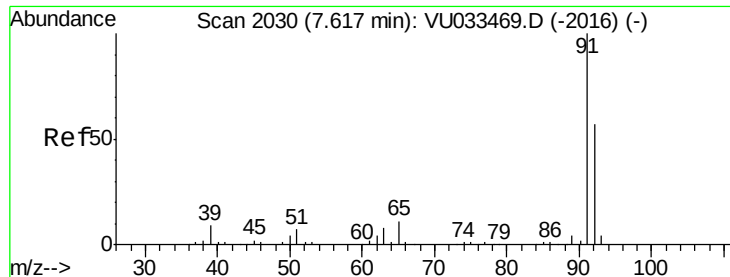


#40

4-Methyl-2-pentanone
 Concen: 198.719 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Tgt Ion: 43 Resp: 713240
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.4 50.2
 100 15.8 12.3 18.5





#42

Toluene

Concen: 98.845 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

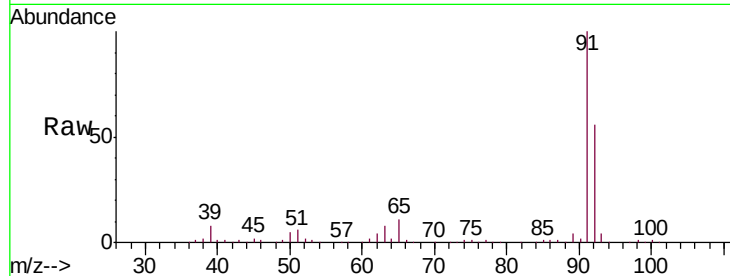
VSTD10036

Tgt Ion: 91 Resp: 1089625

Ion Ratio Lower Upper

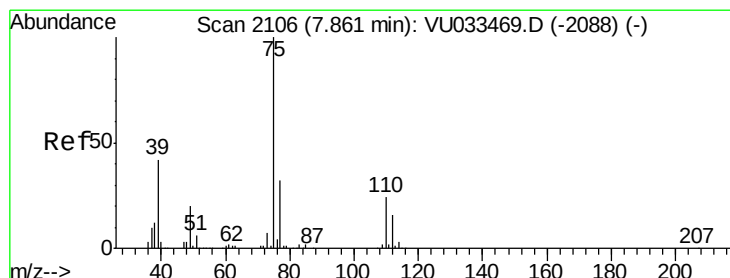
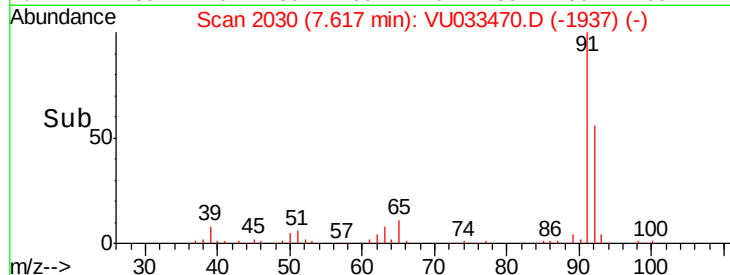
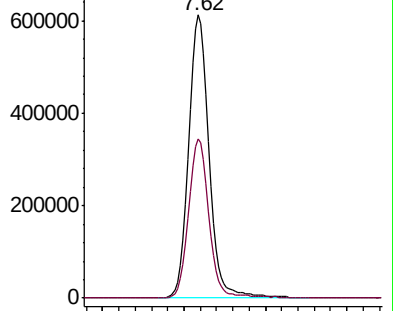
91 100

92 56.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU033469.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033469.D (-2016) (-)



#44

trans-1,3-Dichloropropene

Concen: 100.853 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033470.D

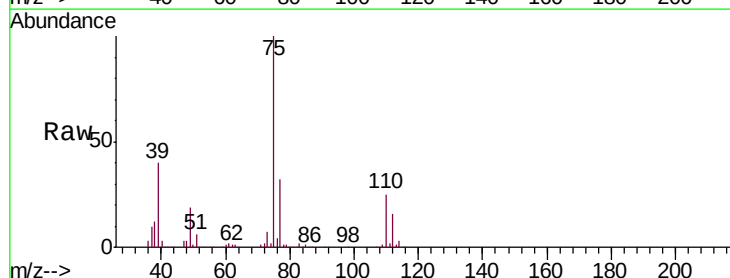
Acq: 29 Jul 2019 12:57

Tgt Ion: 75 Resp: 372453

Ion Ratio Lower Upper

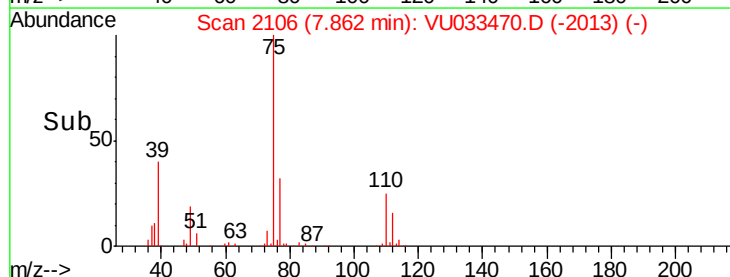
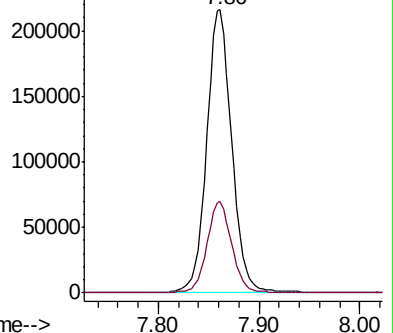
75 100

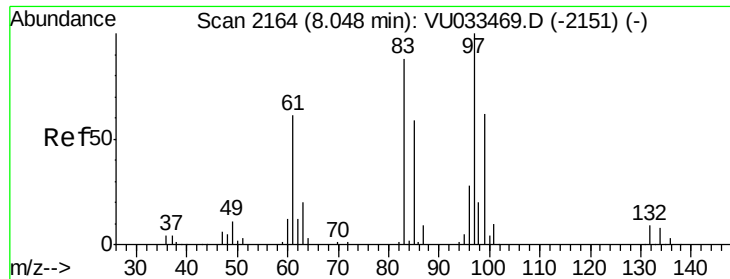
77 32.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU033469.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033469.D (-2088) (-)

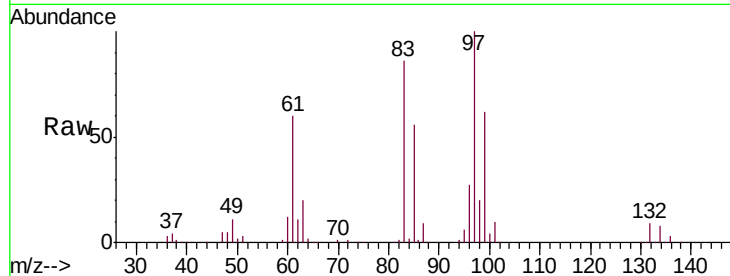




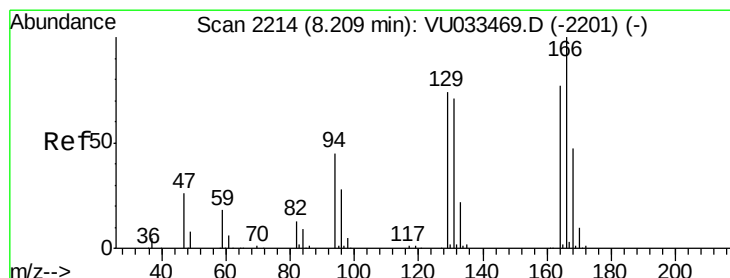
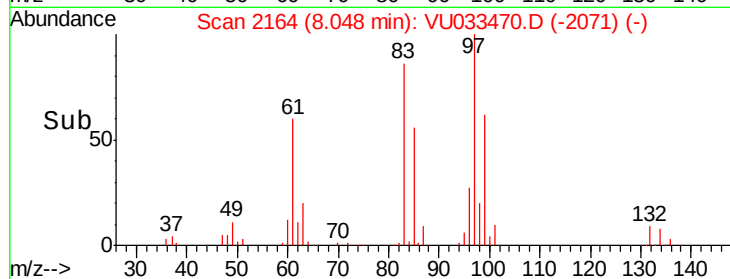
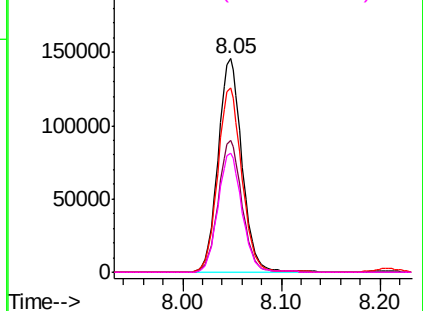
#45
 1,1,2-Trichloroethane
 Concen: 97.827 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

Tgt Ion:	97	Resp:	248062
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.5
83	86.5	61.3	113.9
85	56.0	41.0	76.2

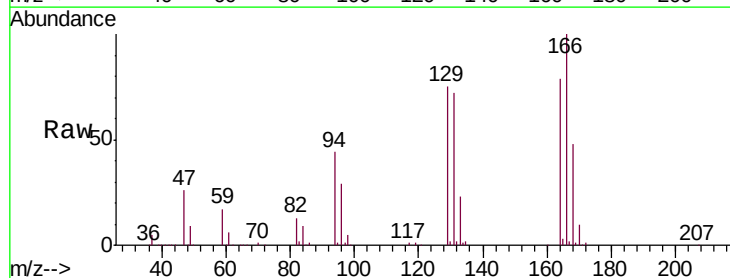


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

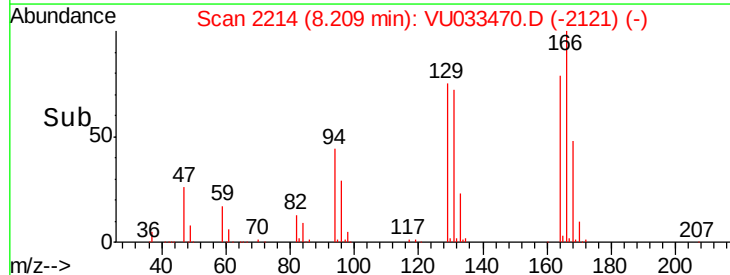
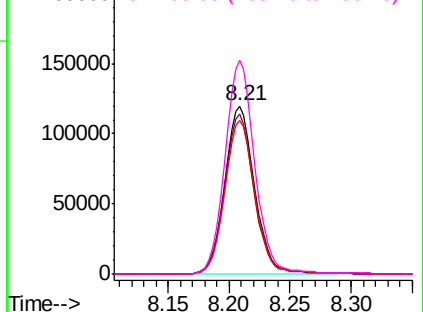


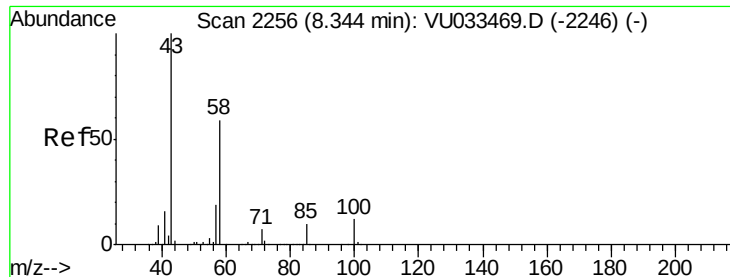
#46
 Tetrachloroethene
 Concen: 100.394 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Tgt Ion:	164	Resp:	204560
Ion	Ratio	Lower	Upper
164	100		
129	95.2	66.6	123.8
131	91.8	63.9	118.7
166	127.3	90.5	168.1



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

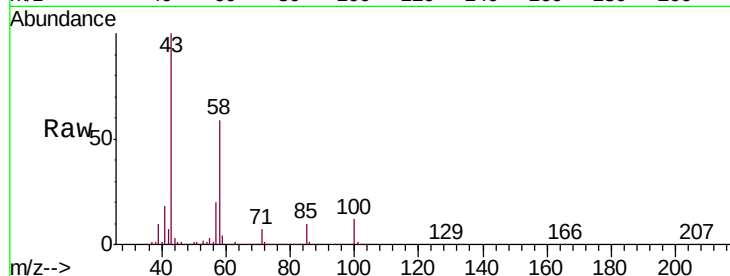




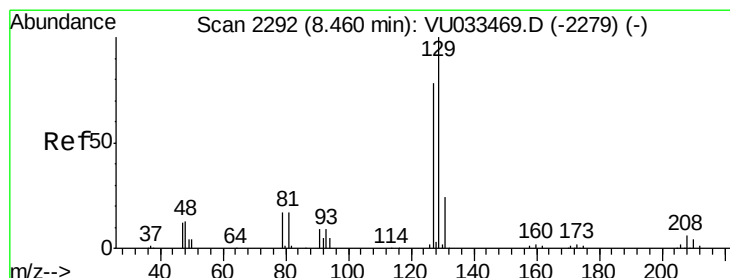
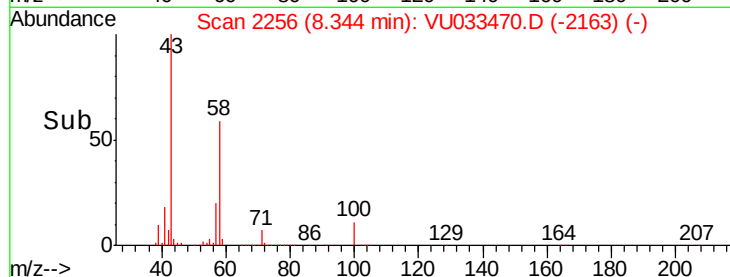
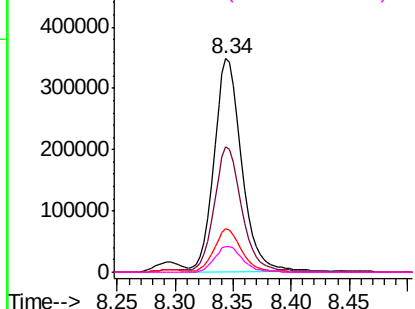
#48
2-Hexanone
Concen: 196.138 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033470.D
Acq: 29 Jul 2019 12:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

Tgt Ion: 43 Resp: 578074
Ion Ratio Lower Upper
43 100
58 58.7 46.6 69.8
57 20.2 16.0 24.0
100 12.4 9.5 14.3

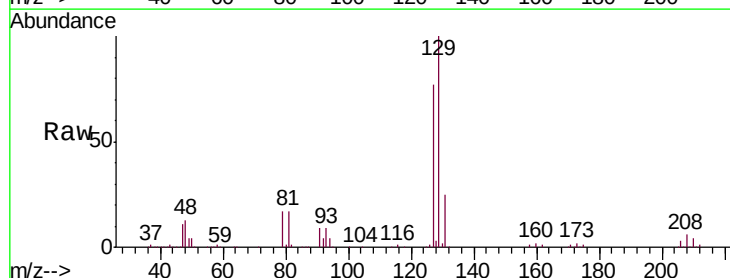


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

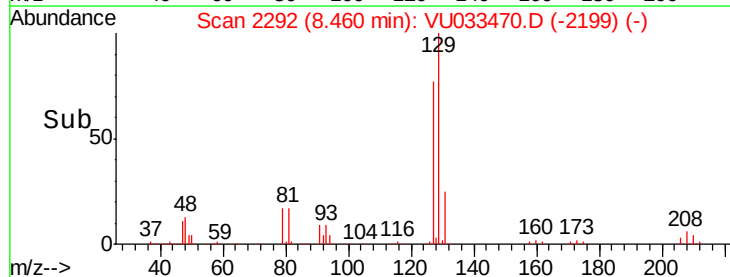
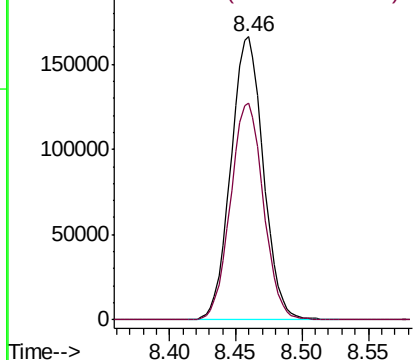


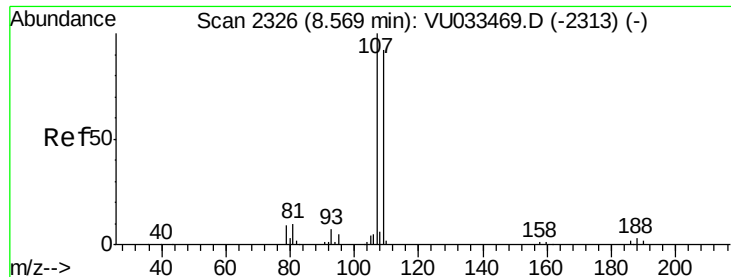
#49
Dibromochloromethane
Concen: 98.523 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033470.D
Acq: 29 Jul 2019 12:57

Tgt Ion: 129 Resp: 282804
Ion Ratio Lower Upper
129 100
127 76.6 54.5 101.1



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

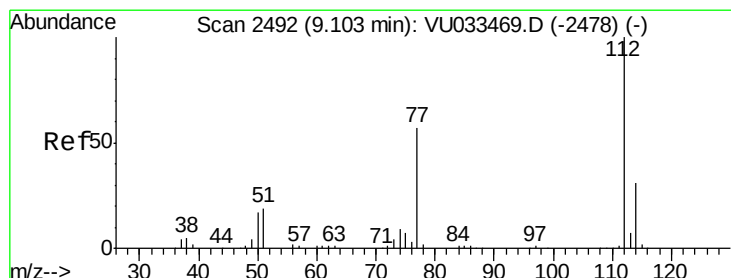
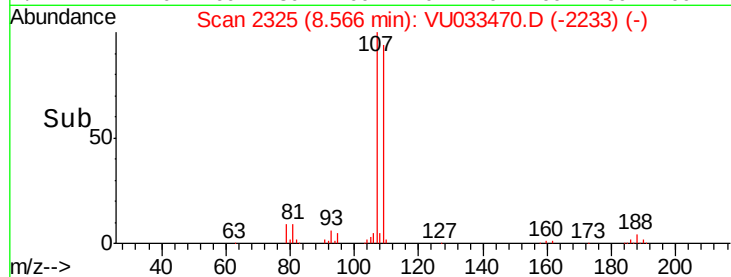
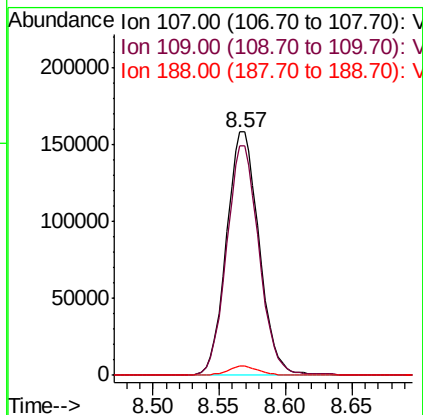
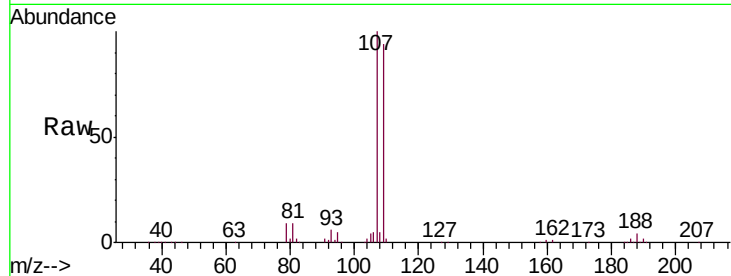




#50
 1,2-Dibromoethane
 Concen: 98.198 ug/L
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

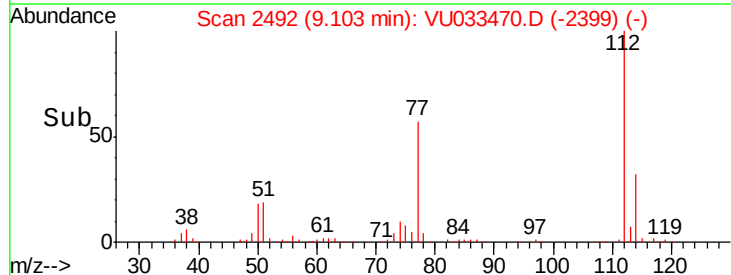
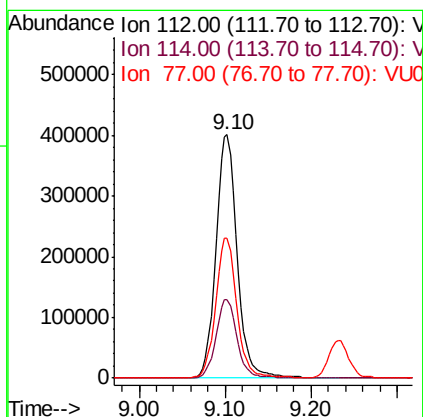
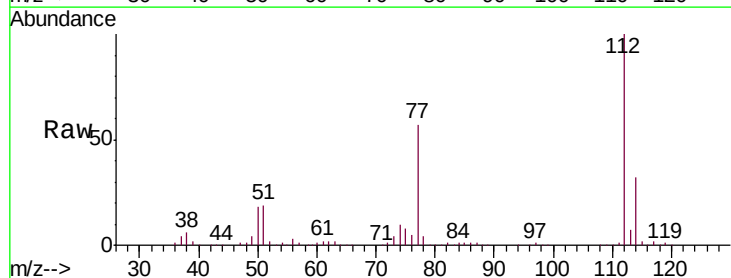
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

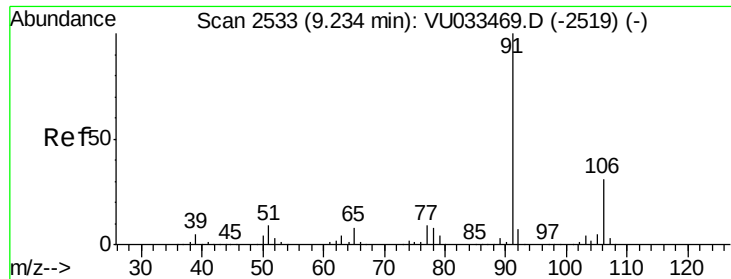
Tgt Ion:107 Resp: 271774
 Ion Ratio Lower Upper
 107 100
 109 94.4 64.7 120.1
 188 3.7 2.8 4.2



#51
 Chlorobenzene
 Concen: 97.821 ug/L
 RT: 9.10 min Scan# 2492
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Tgt Ion:112 Resp: 689345
 Ion Ratio Lower Upper
 112 100
 114 32.3 21.9 40.7
 77 57.3 46.1 69.1





#52

Ethylbenzene

Concen: 100.182 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

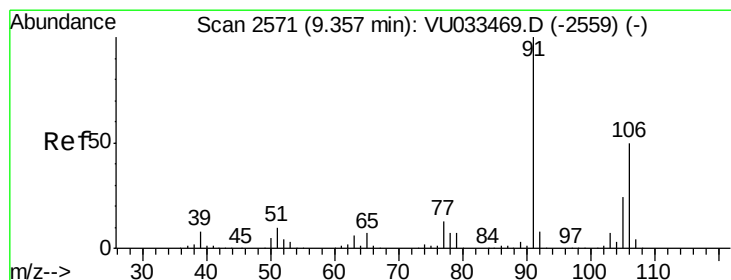
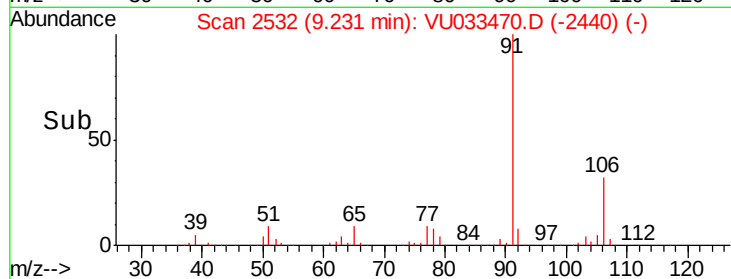
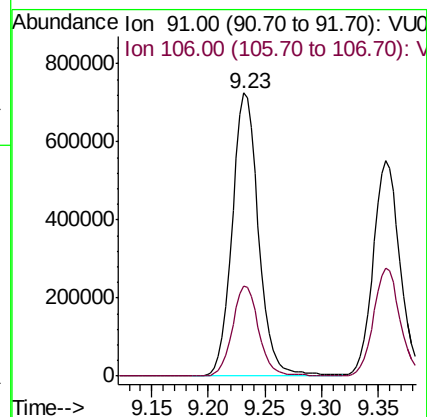
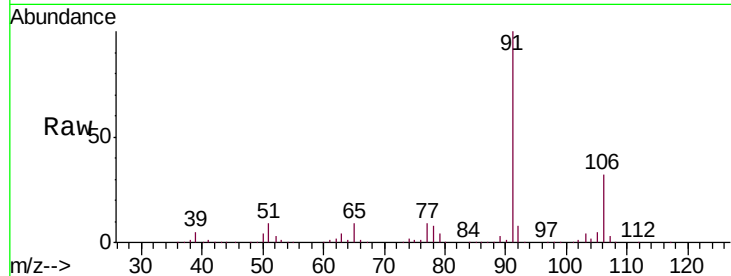
VSTD10036

Tgt Ion: 91 Resp: 1180254

Ion Ratio Lower Upper

91 100

106 31.7 21.6 40.2



#53

m,p-Xylene

Concen: 100.688 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033470.D

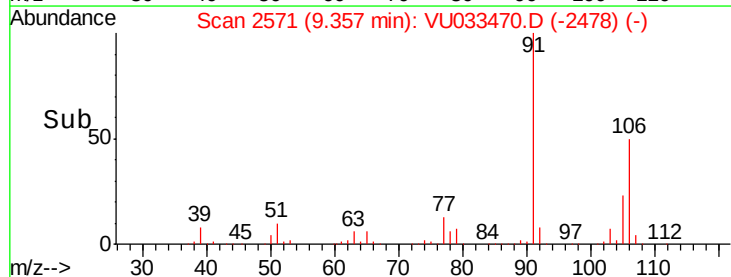
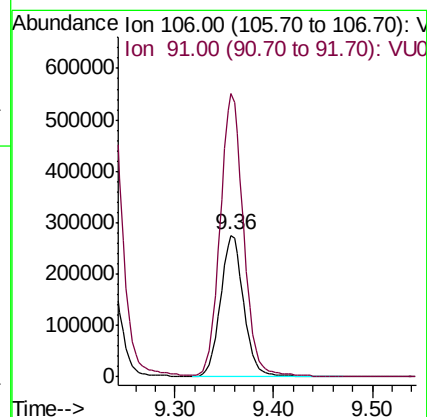
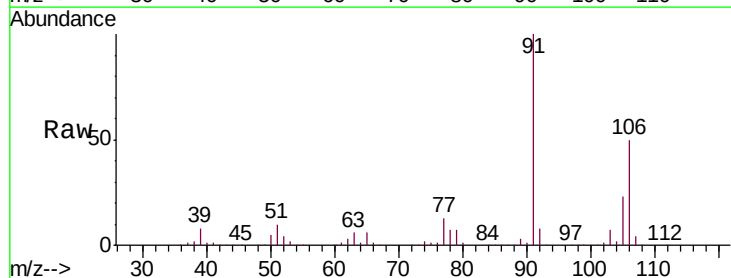
Acq: 29 Jul 2019 12:57

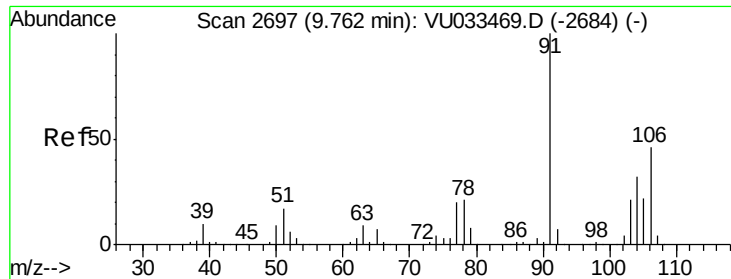
Tgt Ion: 106 Resp: 457269

Ion Ratio Lower Upper

106 100

91 199.6 140.7 261.3





#54

o-xylene

Concen: 102.654 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

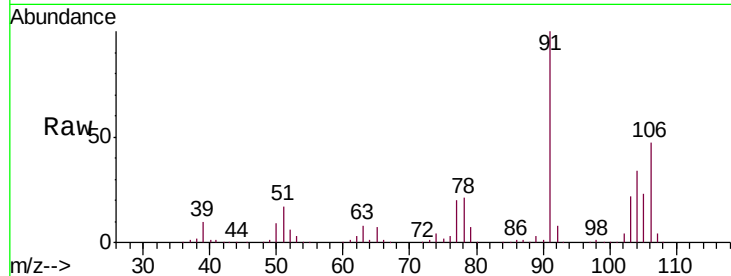
VSTD10036

Tgt Ion:106 Resp: 450620

Ion Ratio Lower Upper

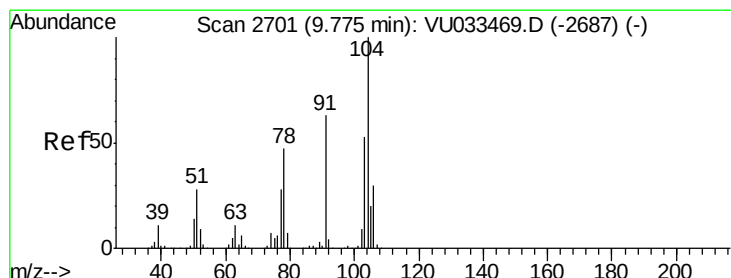
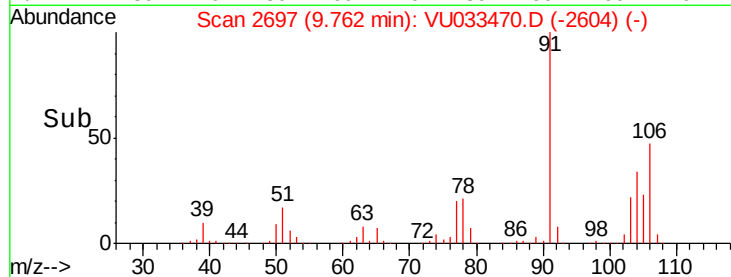
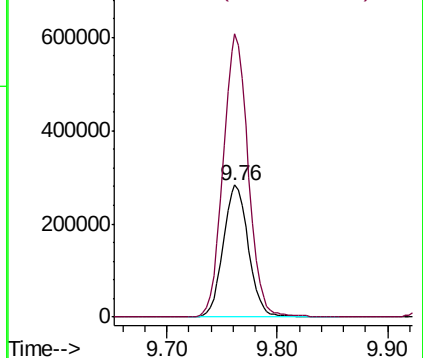
106 100

91 214.2 151.1 280.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 101.807 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033470.D

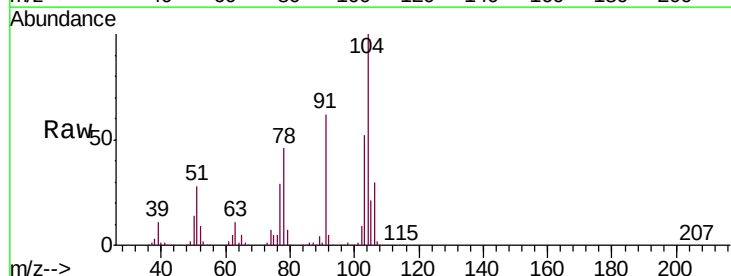
Acq: 29 Jul 2019 12:57

Tgt Ion:104 Resp: 774466

Ion Ratio Lower Upper

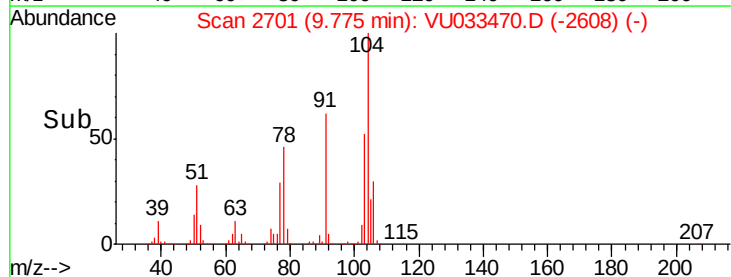
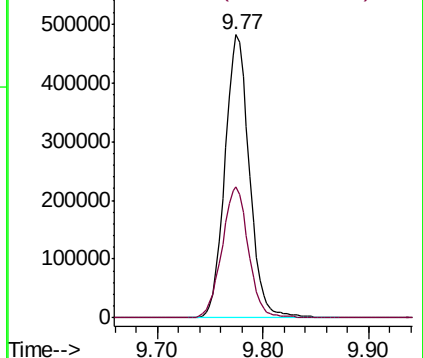
104 100

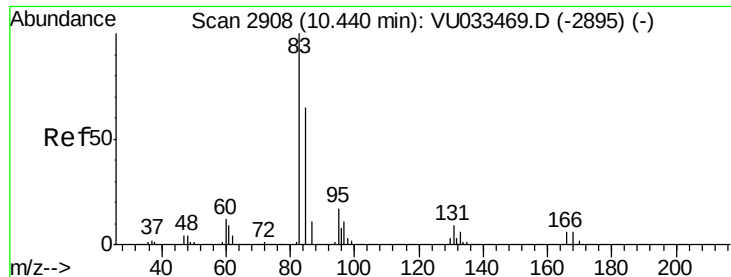
78 46.3 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#57

1,1,2,2-Tetrachloroethane

Concen: 99.208 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

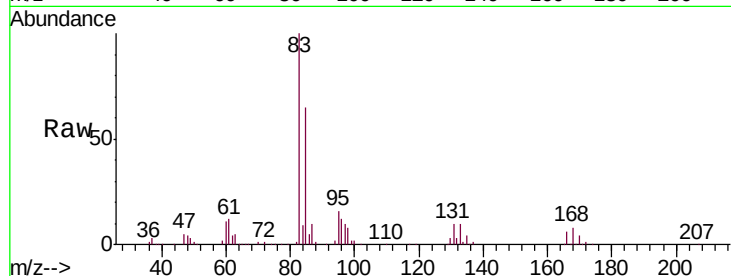
Tgt Ion: 83 Resp: 436375

Ion Ratio Lower Upper

83 100

85 64.8 45.9 85.3

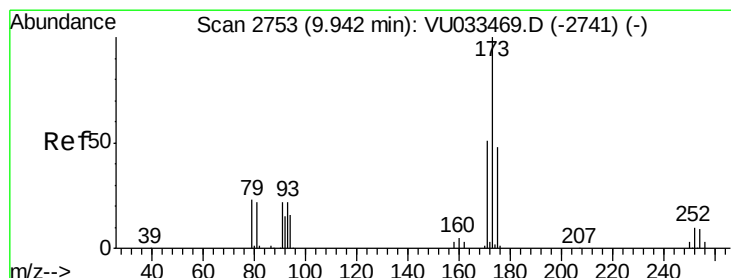
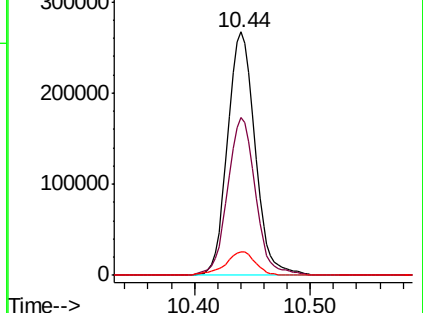
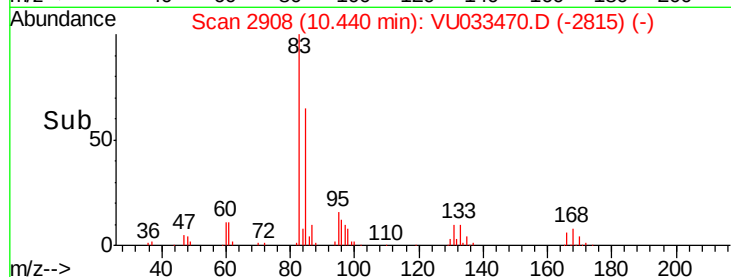
131 9.7 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VU033470.D (-2815) (-)

Ion 85.00 (84.70 to 85.70): VU033470.D (-2815) (-)

Ion 131.00 (130.70 to 131.70): VU033470.D (-2815) (-)



#59

Bromoform

Concen: 102.093 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

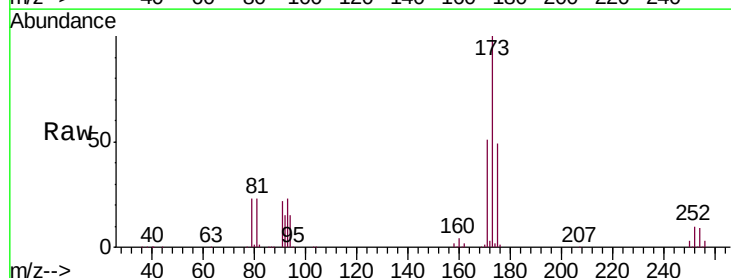
Tgt Ion: 173 Resp: 217253

Ion Ratio Lower Upper

173 100

175 48.7 38.1 57.1

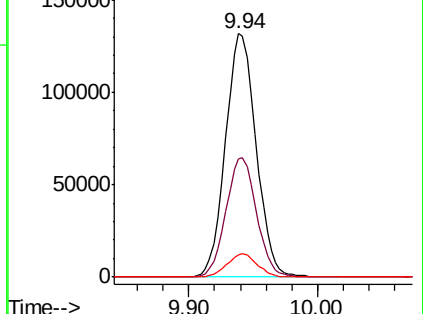
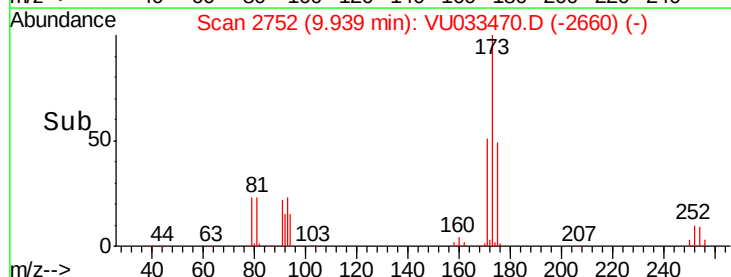
254 9.5 7.3 10.9

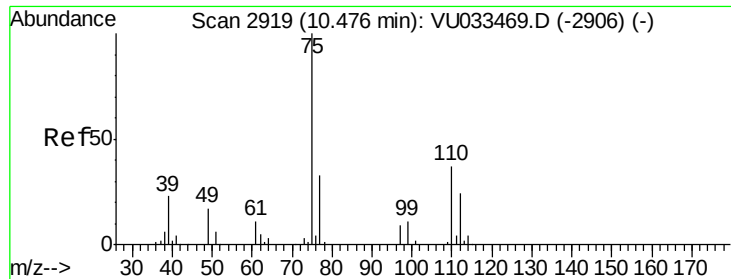


Abundance Ion 173.00 (172.70 to 173.70): VU033470.D (-2660) (-)

Ion 175.00 (174.70 to 175.70): VU033470.D (-2660) (-)

Ion 254.00 (253.70 to 254.70): VU033470.D (-2660) (-)

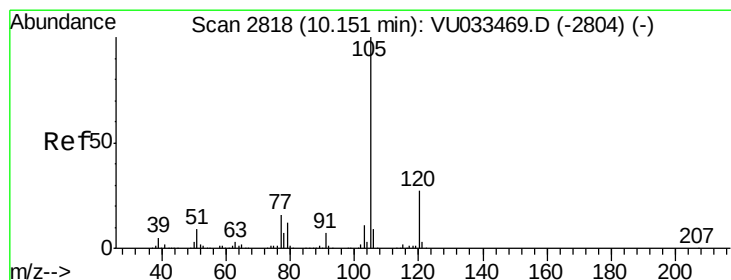
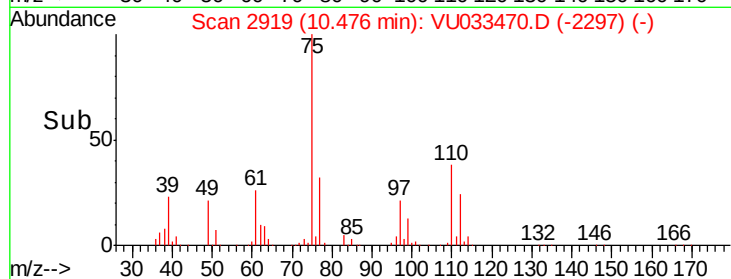
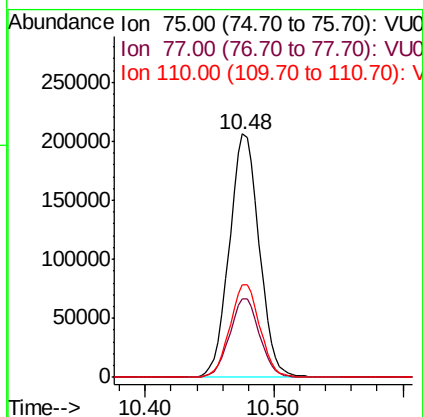
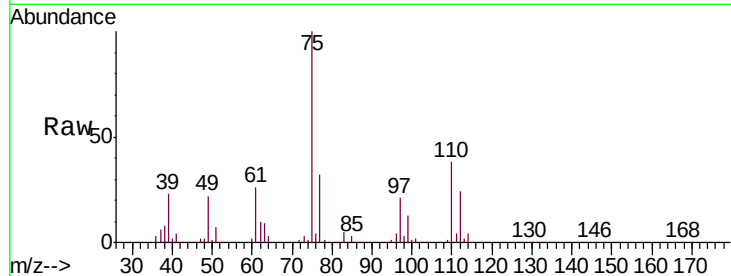




#60
 1,2,3-Trichloropropane
 Concen: 96.257 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

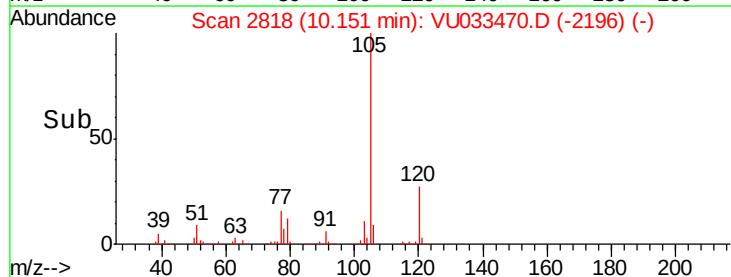
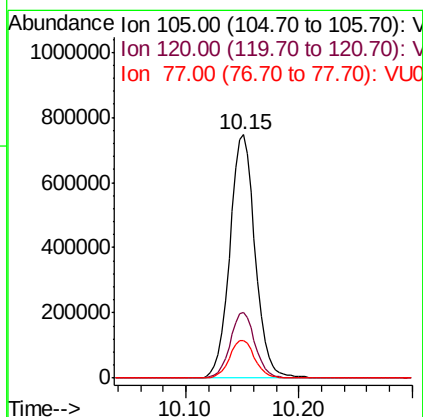
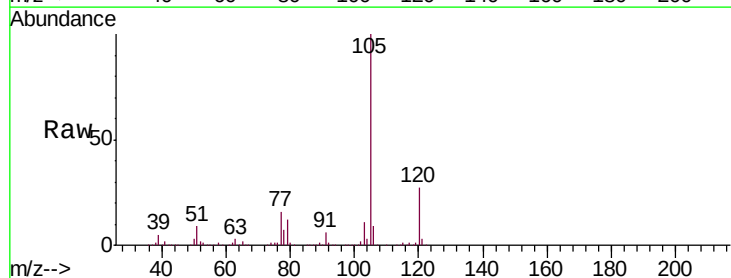
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD10036

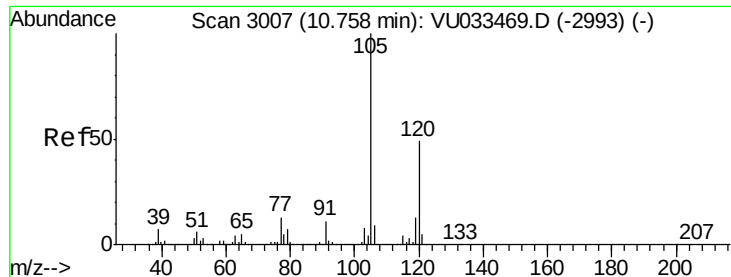
Tgt Ion: 75 Resp: 331675
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.9 38.9
 110 38.2 30.2 45.4



#61
 Isopropylbenzene
 Concen: 102.169 ug/L
 RT: 10.15 min Scan# 2818
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Tgt Ion: 105 Resp: 1157812
 Ion Ratio Lower Upper
 105 100
 120 26.6 21.7 32.5
 77 15.6 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 105.105 ug/L

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

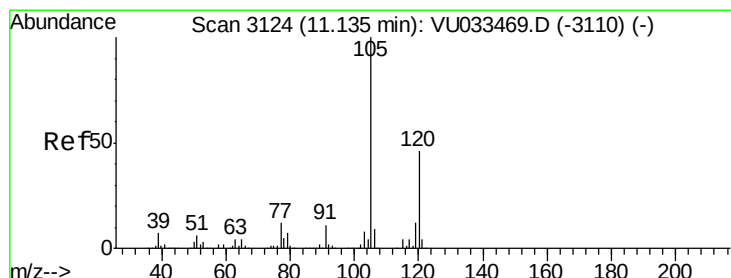
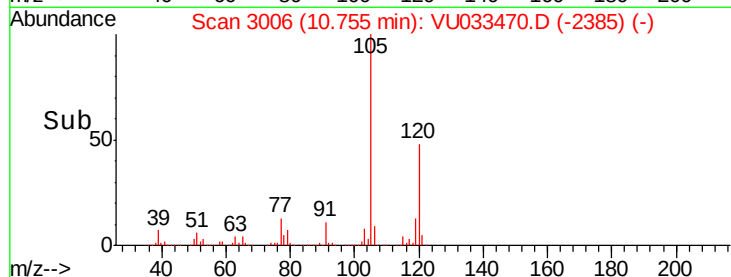
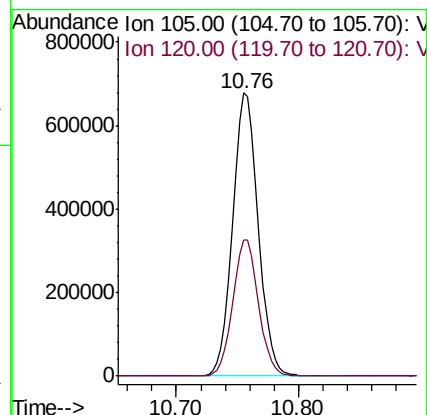
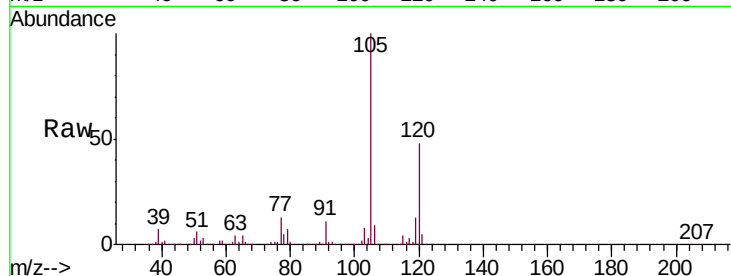
VSTD10036

Tgt Ion:105 Resp: 996576

Ion Ratio Lower Upper

105 100

120 48.4 39.0 58.6



#63

1,2,4-Trimethylbenzene

Concen: 104.424 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VU033470.D

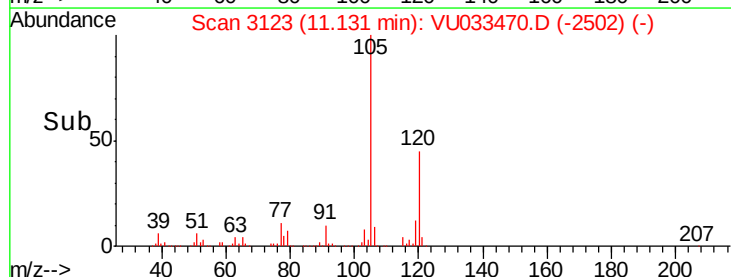
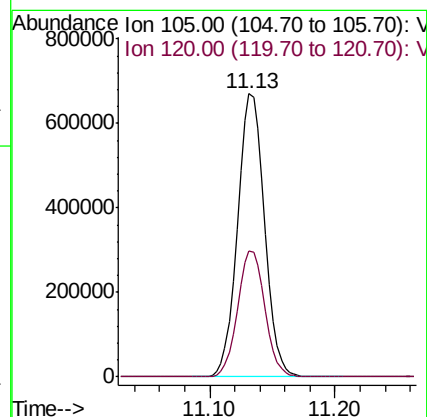
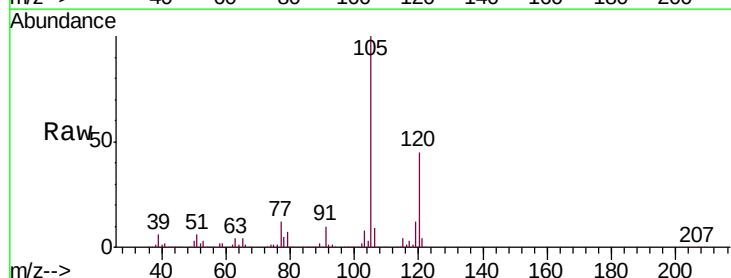
Acq: 29 Jul 2019 12:57

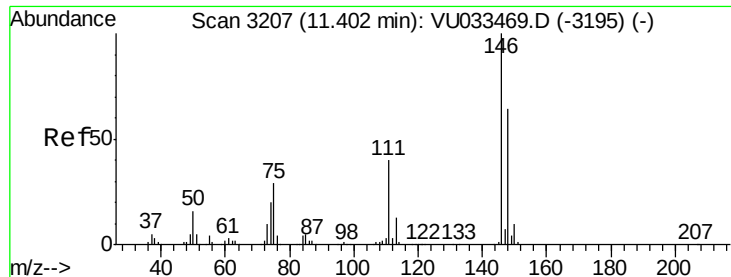
Tgt Ion:105 Resp: 997531

Ion Ratio Lower Upper

105 100

120 45.2 36.6 55.0

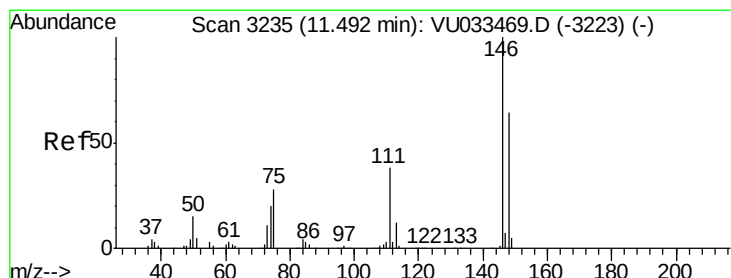
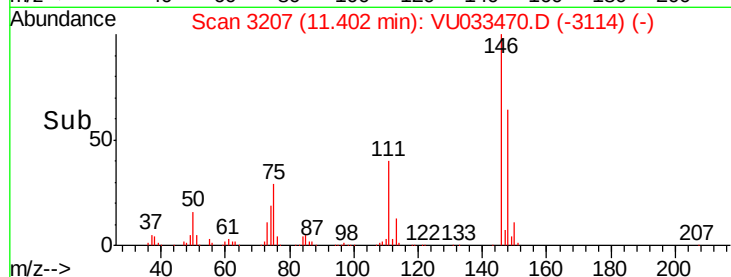
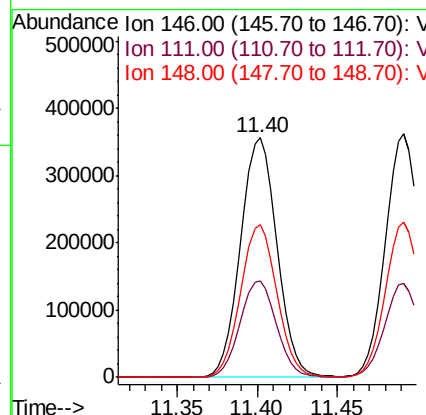
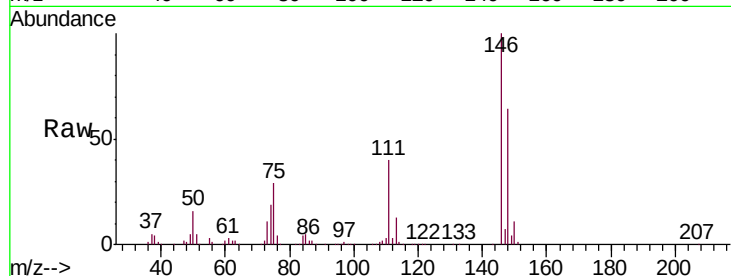




#64
 1,3-Dichlorobenzene
 Concen: 101.011 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

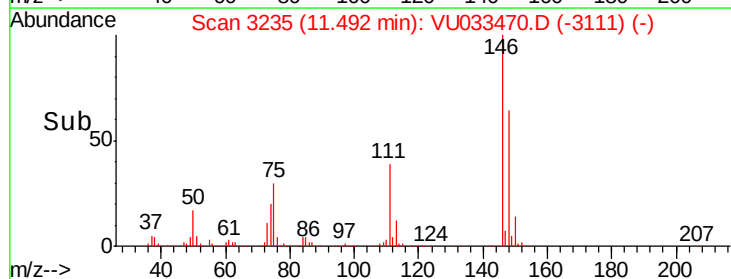
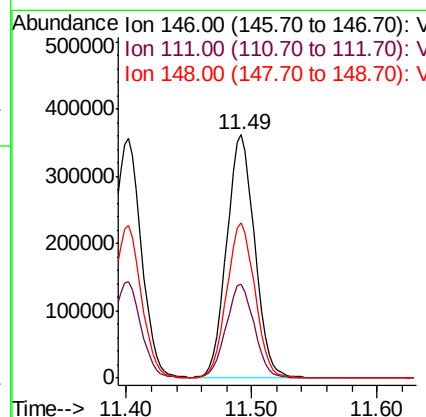
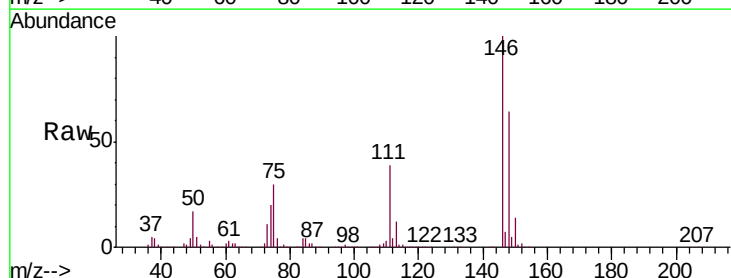
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

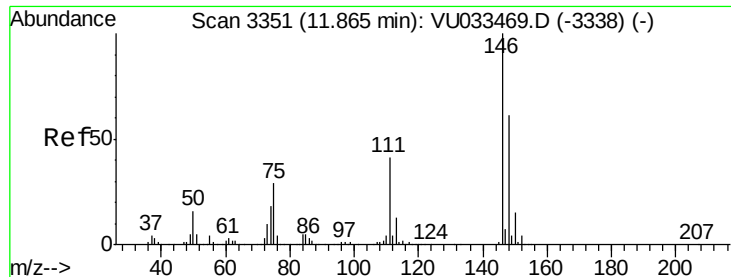
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	28.2	52.4
148	63.7	44.4	82.5



#65
 1,4-Dichlorobenzene
 Concen: 101.227 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	27.0	50.2
148	63.6	44.7	82.9

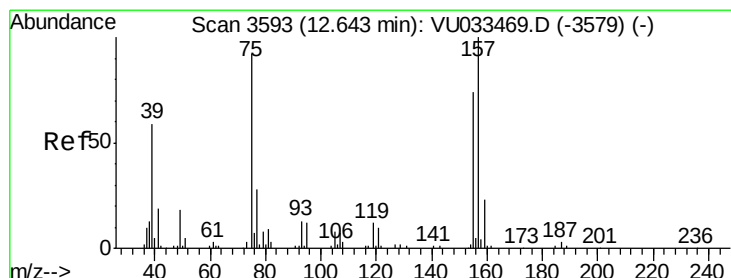
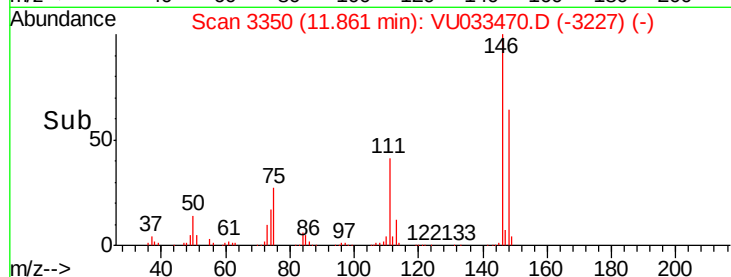
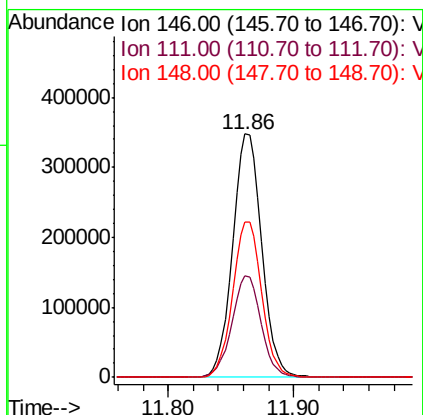
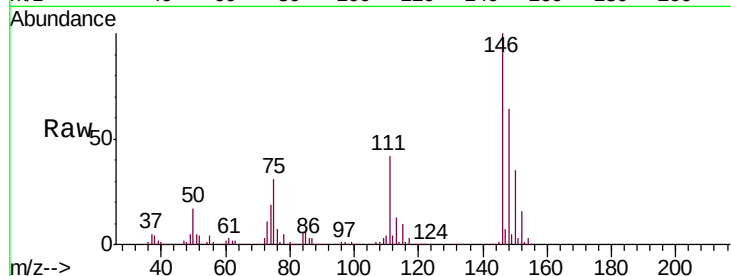




#67
 1,2-Dichlorobenzene
 Concen: 99.981 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

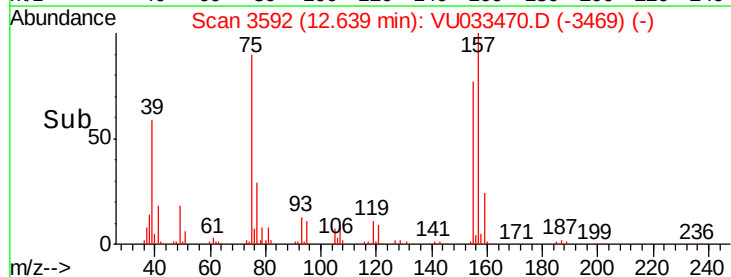
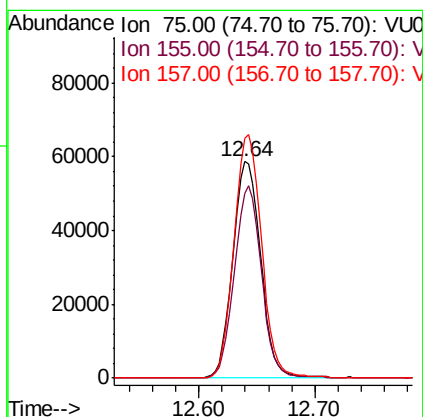
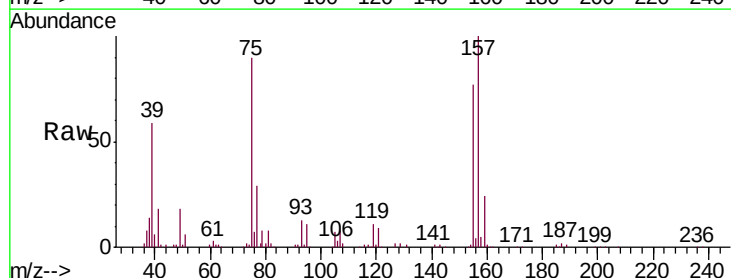
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

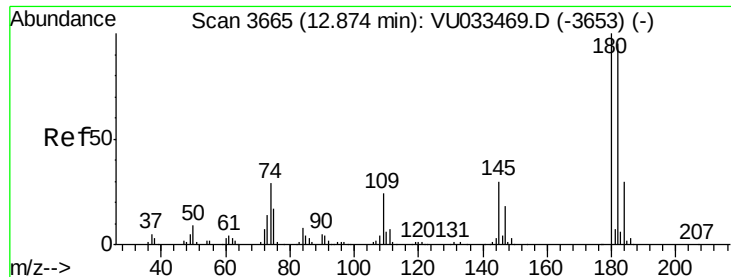
Tgt Ion: 146 Resp: 558942
 Ion Ratio Lower Upper
 146 100
 111 41.6 32.8 49.2
 148 64.0 49.2 73.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 100.012 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Tgt Ion: 75 Resp: 97721
 Ion Ratio Lower Upper
 75 100
 155 85.6 64.8 97.2
 157 110.7 87.1 130.7

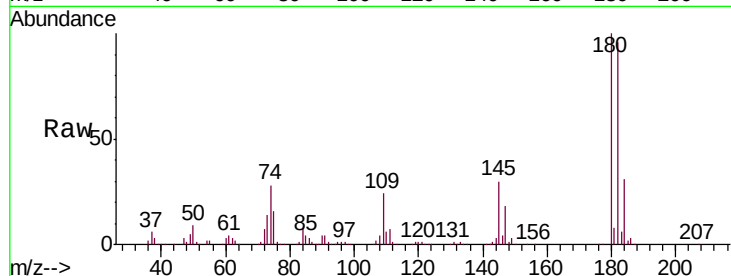




#69
 1,3,5-Trichlorobenzene
 Concen: 102.268 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.2	114.4
184	30.8	24.1	36.1
145	29.4	23.7	35.5



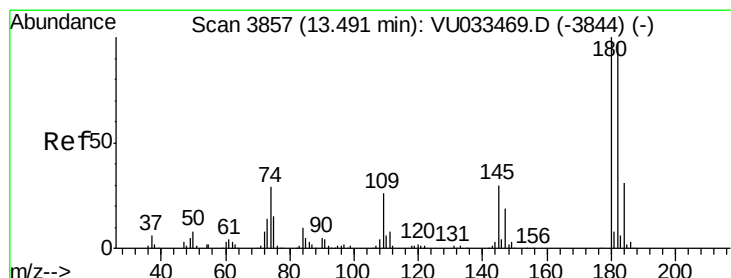
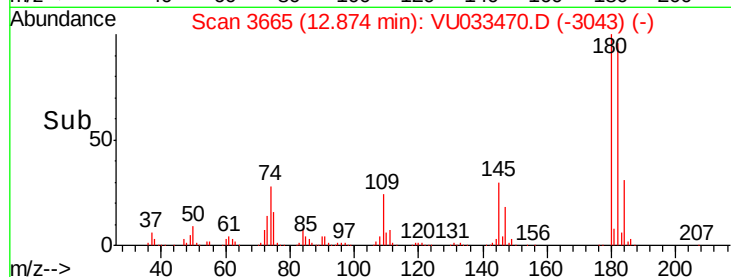
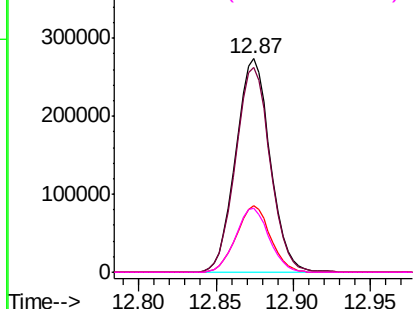
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

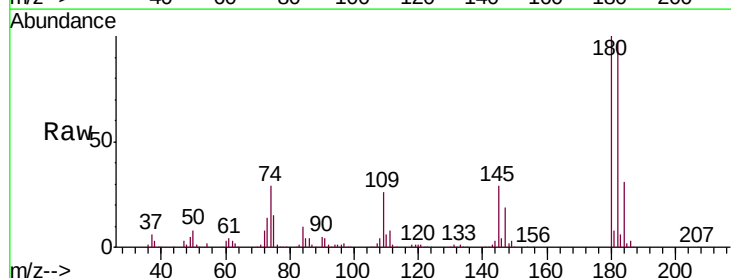
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 108.511 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033470.D
 Acq: 29 Jul 2019 12:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.5	116.3
145	29.1	23.9	35.9

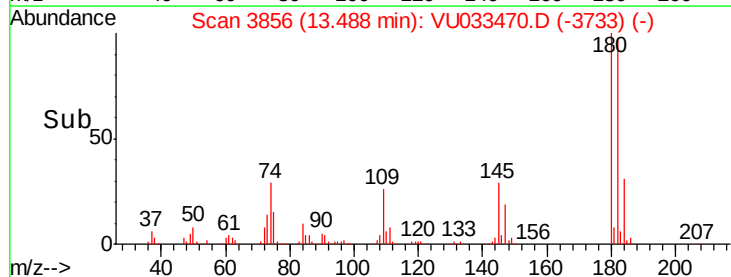
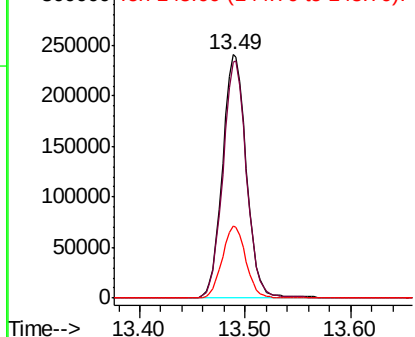


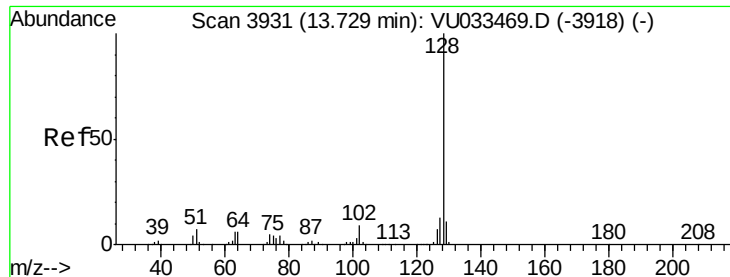
Abundance

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





#71

Naphthalene

Concen: 109.021 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

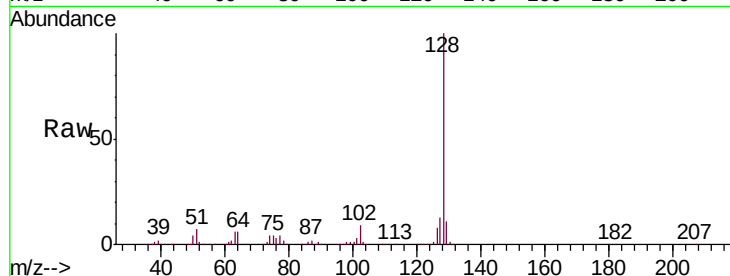
Tgt Ion:128 Resp: 1159592

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

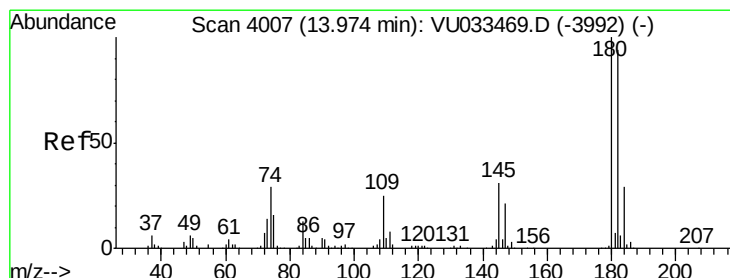
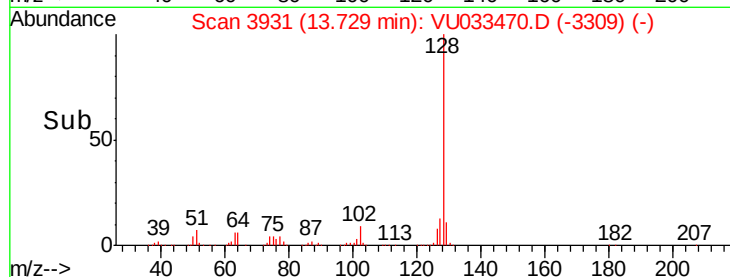
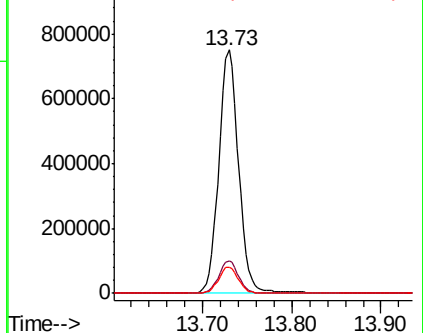
129 10.8 8.7 13.1



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



#72

1,2,3-Trichlorobenzene

Concen: 102.783 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033470.D

Acq: 29 Jul 2019 12:57

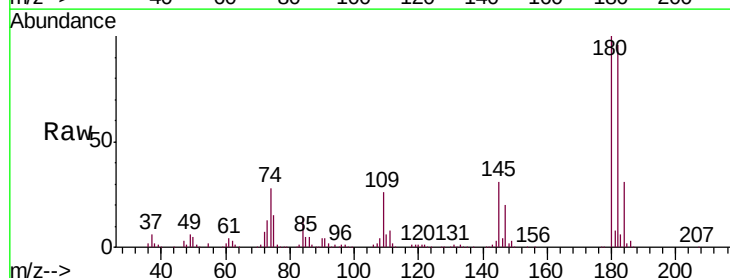
Tgt Ion:180 Resp: 388471

Ion Ratio Lower Upper

180 100

182 96.0 76.4 114.6

145 31.4 24.9 37.3



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

