

Data File : VU033874.D
Acq On : 21 Aug 2019 16:07
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Quant Time: Aug 22 05:48:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 05:44:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	397542	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	406715	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	218254	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	133650	37.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.74%
7) Chloroethane-d5	1.67	69	123167	36.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.64%
11) 1,1-Dichloroethene-d2	2.26	63	241465	40.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.80%
21) 2-Butanone-d5	4.15	46	186875	99.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.63%
24) Chloroform-d	4.62	84	260026	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.34%
26) 1,2-Dichloroethane-d4	5.28	65	161731	44.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.82%
32) Benzene-d6	5.31	84	478413	42.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.44%
36) 1,2-Dichloropropane-d6	6.31	67	159137	43.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.18%
41) Toluene-d8	7.55	98	435607	41.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.74%
43) trans-1,3-Dichloropropene-	7.83	79	76311	44.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.62%
47) 2-Hexanone-d5	8.29	63	128865	94.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.73%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	243895	47.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.54%
64) 1,2-Dichlorobenzene-d4	11.84	152	192019	44.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.28%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	191207	49.056	ug/L	100
3) Chloromethane	1.32	50	176532	44.037	ug/L	99
5) Vinyl chloride	1.39	62	213754	47.872	ug/L	100
6) Bromomethane	1.61	94	121944	36.122	ug/L	98
8) Chloroethane	1.68	64	131873	42.633	ug/L	98
9) Trichlorofluoromethane	1.87	101	291354	49.203	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	142975	50.438	ug/L	100
12) 1,1-Dichloroethene	2.27	96	131889	48.003	ug/L	95
13) Acetone	2.30	43	202908	110.069	ug/L	97
14) Carbon disulfide	2.46	76	402164	46.419	ug/L	99
15) Methyl Acetate	2.60	43	144494	47.530	ug/L	98
16) Methylene chloride	2.68	84	154925	48.661	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	137490	48.004	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	410332	49.092	ug/L	100
19) 1,1-Dichloroethane	3.42	63	264823	48.049	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	154662	49.919	ug/L	94
22) 2-Butanone	4.23	43	225390	106.241	ug/L	99

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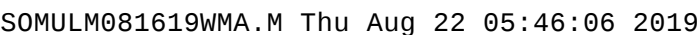
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

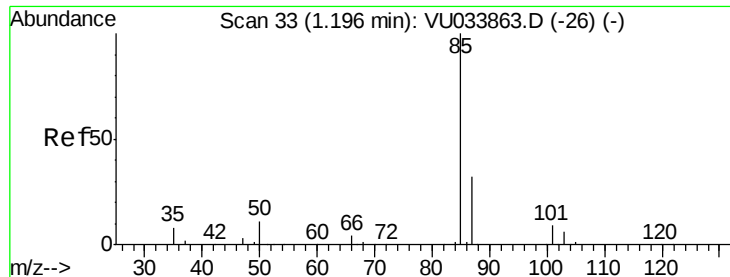
Quant Time: Aug 22 05:48:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 05:44:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	82402	48.780	ug/L	98
25) Chloroform	4.65	83	274959	48.004	ug/L	100
27) 1,2-Dichloroethane	5.38	62	216178	49.782	ug/L	99
29) Cyclohexane	4.97	56	218543	50.152	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	232923	47.571	ug/L	99
31) Carbon tetrachloride	5.11	117	208466	46.787	ug/L	98
33) Benzene	5.37	78	599913	48.830	ug/L	100
34) Trichloroethene	6.16	95	152405	46.480	ug/L	99
35) Methylcyclohexane	6.40	83	241081	50.209	ug/L	99
37) 1,2-Dichloropropane	6.41	63	163725	48.665	ug/L	99
38) Bromodichloromethane	6.74	83	204724	46.999	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	244049	49.772	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	393428	99.618	ug/L	100
42) Toluene	7.62	91	646239	49.757	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	219375	48.683	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	153298	48.546	ug/L	98
46) Tetrachloroethene	8.21	164	131327	49.958	ug/L	96
48) 2-Hexanone	8.34	43	330168	106.617	ug/L	99
49) Dibromochloromethane	8.46	129	171555	48.114	ug/L	99
50) 1,2-Dibromoethane	8.57	107	160211	47.650	ug/L	97
51) Chlorobenzene	9.10	112	414691	48.341	ug/L	98
52) Ethylbenzene	9.23	91	689480	50.104	ug/L	99
53) m,p-Xylene	9.36	106	267845	51.999	ug/L	98
54) o-xylene	9.76	106	258458	51.783	ug/L	96
55) Styrene	9.77	104	452759	52.943	ug/L	98
56) Isopropylbenzene	10.15	105	670926	51.412	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	256955	50.275	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	201231	49.381	ug/L	99
61) Bromoform	9.94	173	128379	47.229	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	333233	48.655	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	340864	48.075	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	331003	48.213	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	53188	46.594	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	252416	47.779	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	212595	49.145	ug/L	98
69) Naphthalene	13.73	128	613216	51.360	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	221495	49.334	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 49.056 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

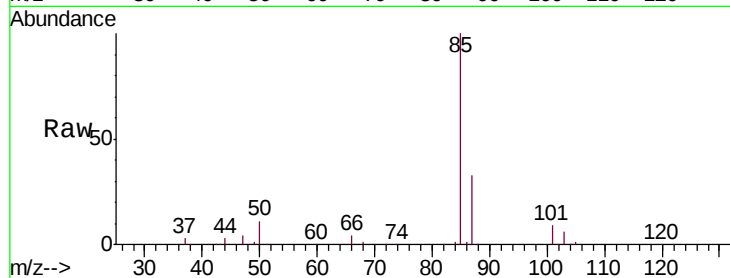
VSTD05048

Tgt Ion: 85 Resp: 191207

Ion Ratio Lower Upper

85 100

87 32.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU033863.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033863.D (-26) (-)

1.20

200000

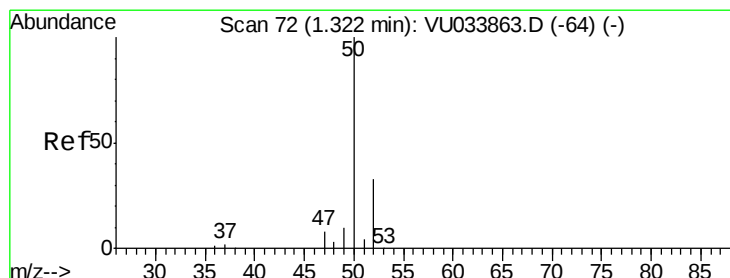
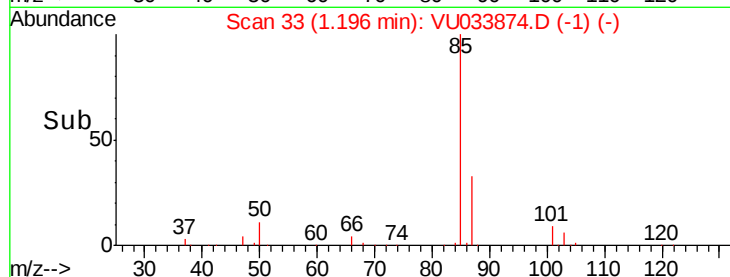
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.037 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033874.D

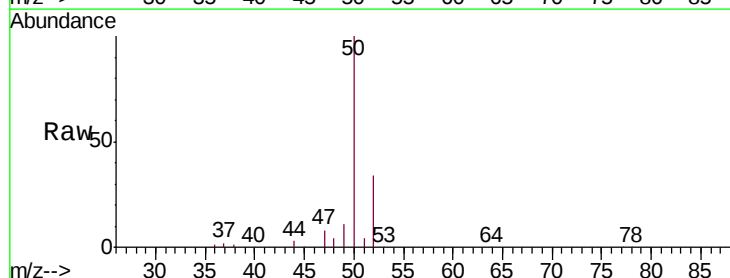
Acq: 21 Aug 2019 16:07

Tgt Ion: 50 Resp: 176532

Ion Ratio Lower Upper

50 100

52 34.0 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU033863.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033863.D (-64) (-)

1.32

200000

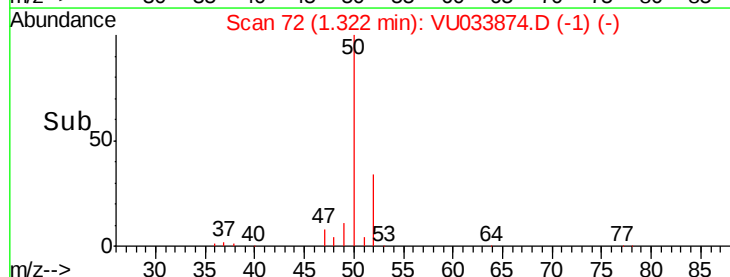
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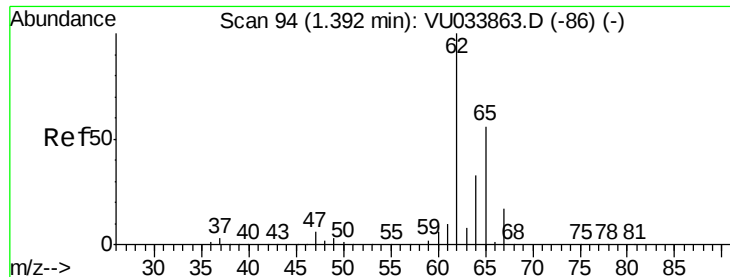
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.872 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

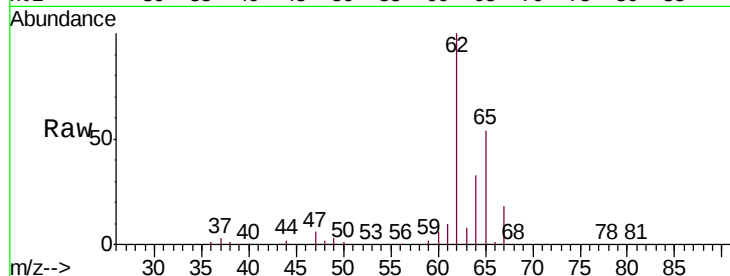
VSTD05048

Tgt Ion: 62 Resp: 213754

Ion Ratio Lower Upper

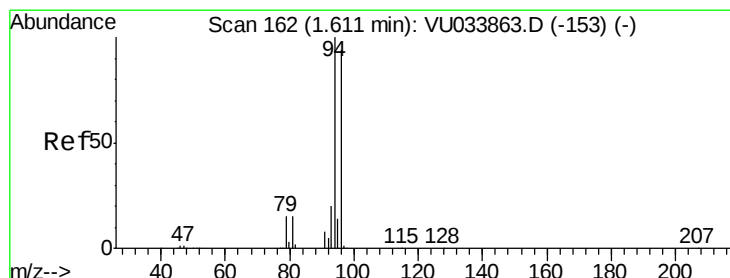
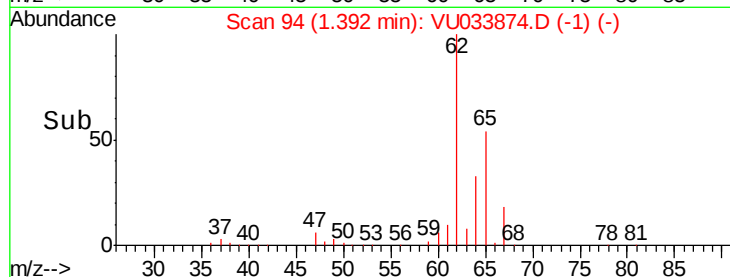
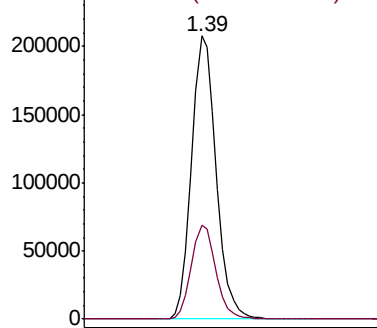
62 100

64 33.2 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 36.122 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU033874.D

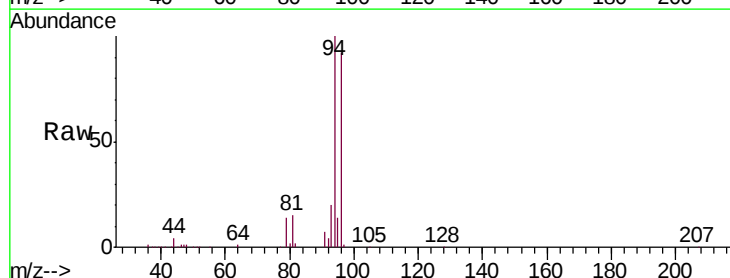
Acq: 21 Aug 2019 16:07

Tgt Ion: 94 Resp: 121944

Ion Ratio Lower Upper

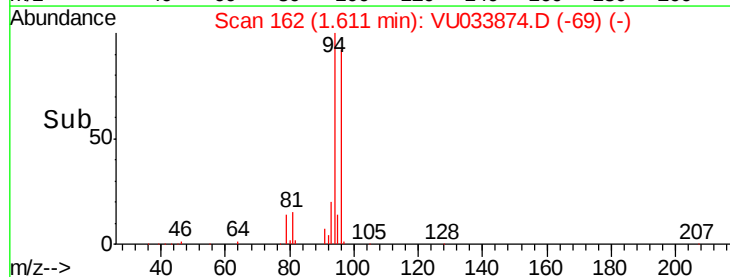
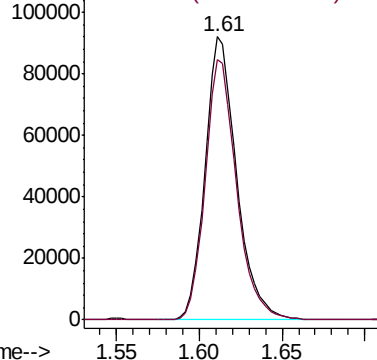
94 100

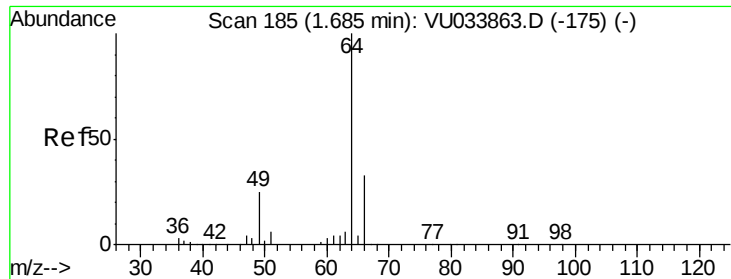
96 92.1 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

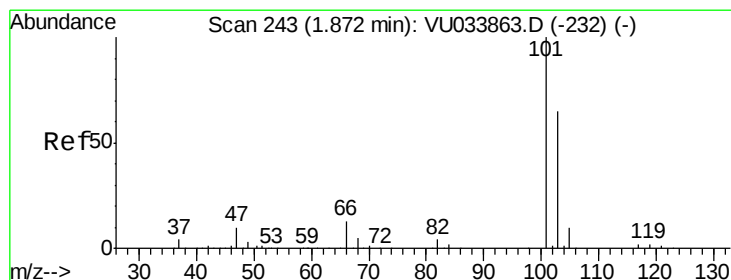
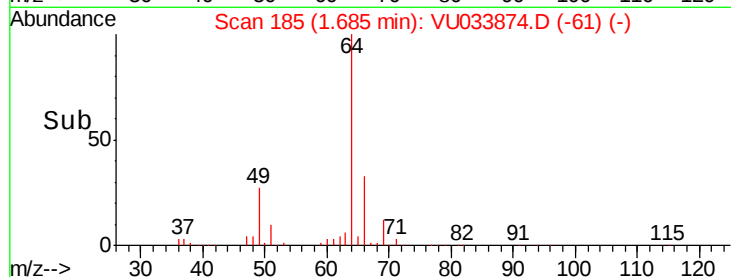
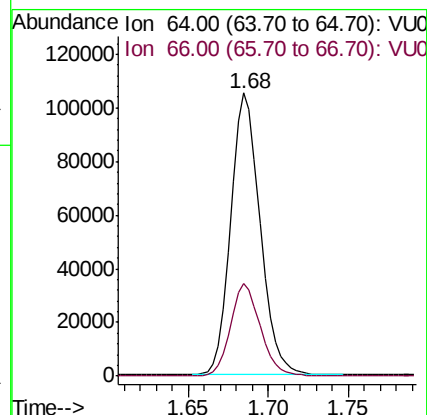
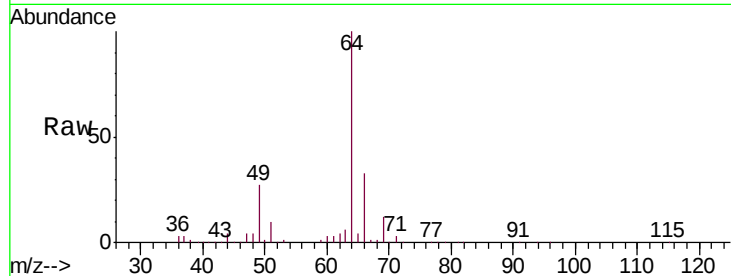




#8
Chloroethane
Concen: 42.633 ug/L
RT: 1.68 min Scan# 185
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

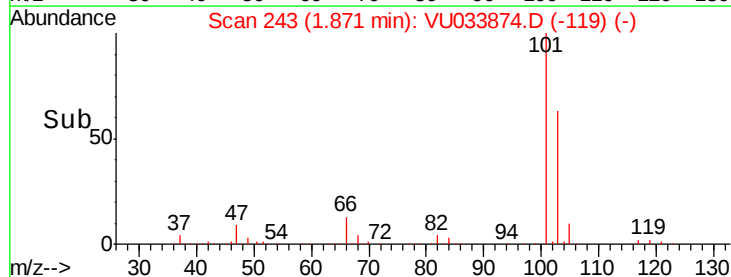
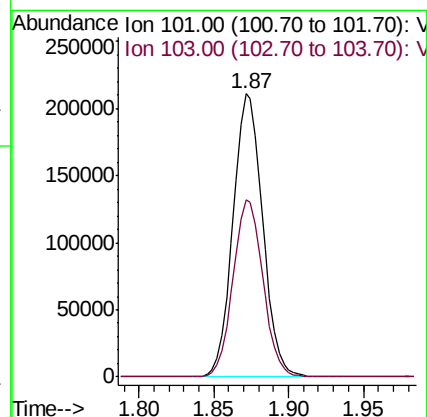
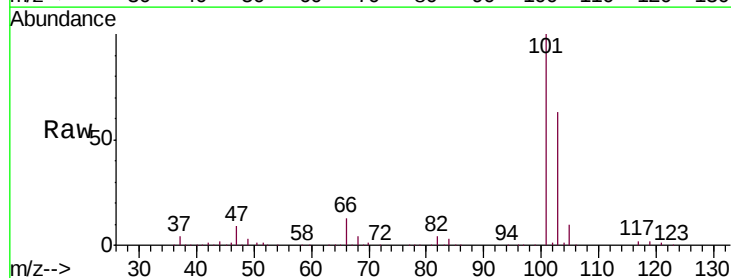
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

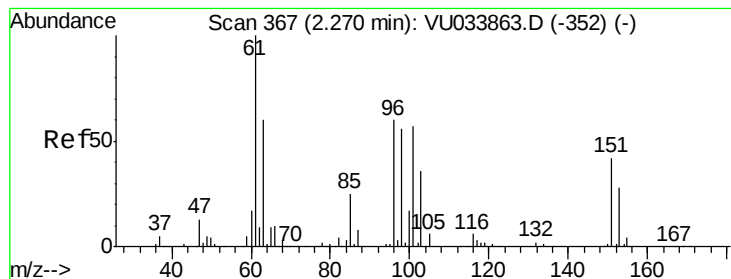
Tgt Ion: 64 Resp: 131873
Ion Ratio Lower Upper
64 100
66 32.7 23.9 44.3



#9
Trichlorofluoromethane
Concen: 49.203 ug/L
RT: 1.87 min Scan# 243
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

Tgt Ion: 101 Resp: 291354
Ion Ratio Lower Upper
101 100
103 63.2 51.9 77.9





#10

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

Concen: 50.438 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

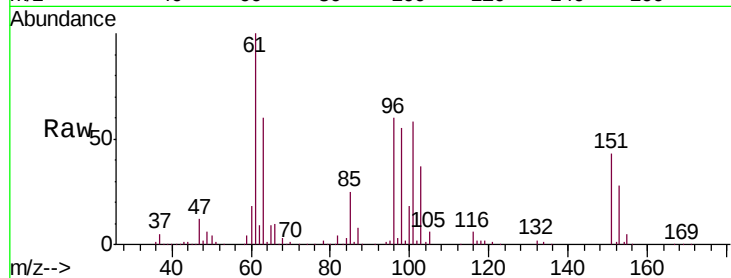
Tgt Ion: 101 Resp: 142975

Ion Ratio Lower Upper

101 100

85 43.9 35.2 52.8

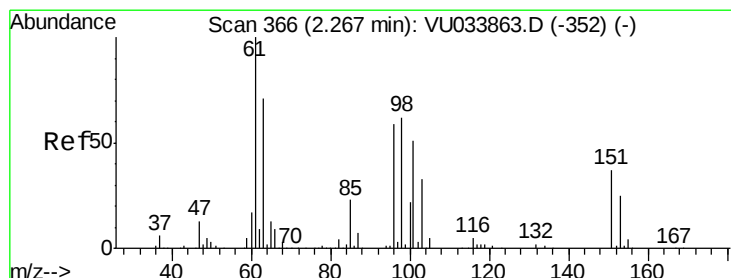
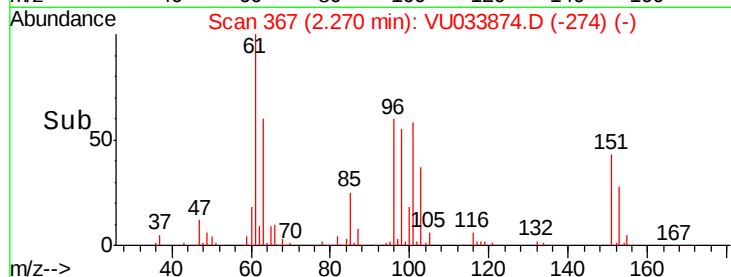
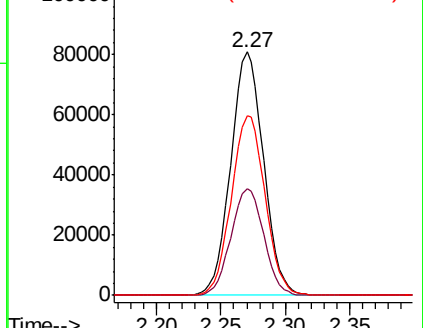
151 75.8 60.4 90.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.003 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

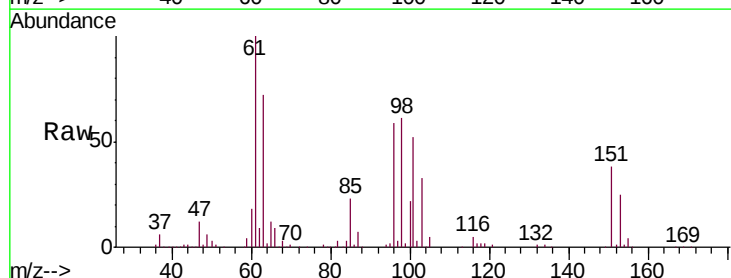
Tgt Ion: 96 Resp: 131889

Ion Ratio Lower Upper

96 100

61 170.6 123.7 229.7

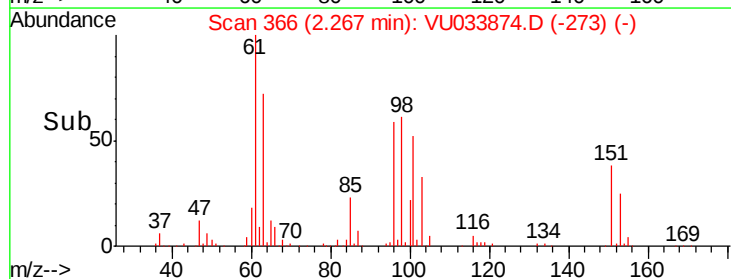
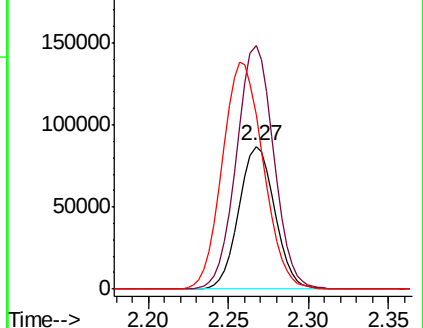
63 122.1 91.2 169.4

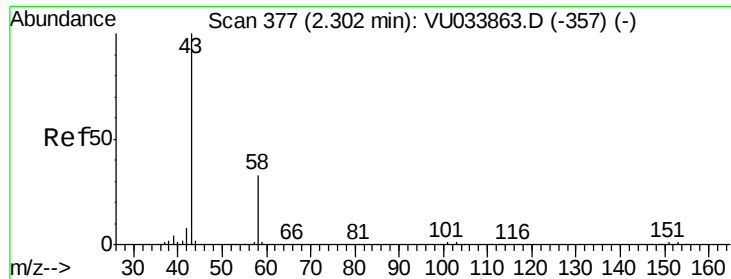


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

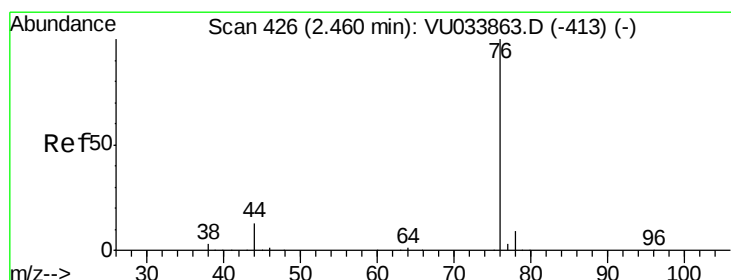
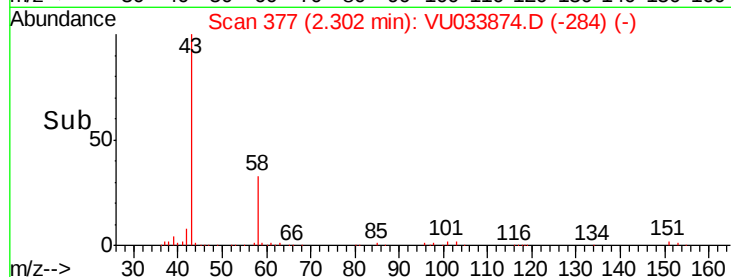
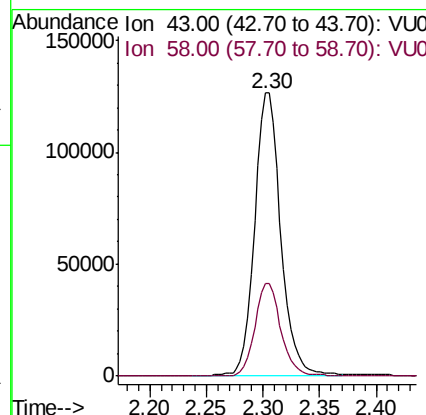
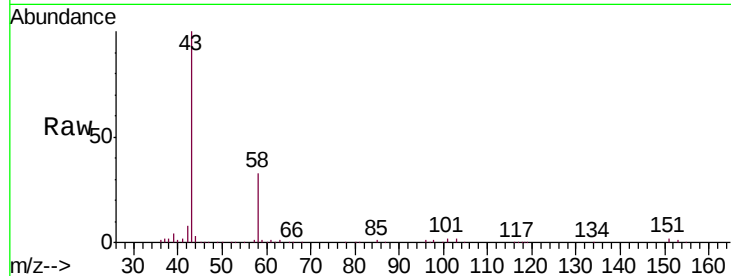




#13
Acetone
Concen: 110.069 ug/L
RT: 2.30 min Scan# 377
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

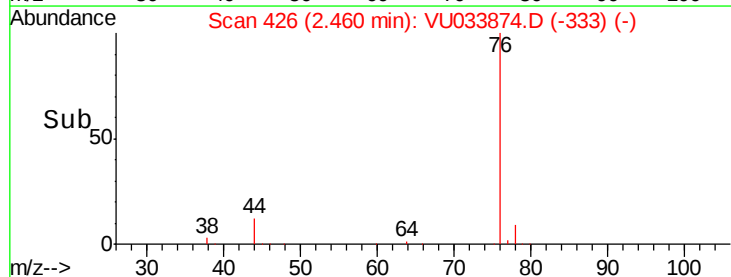
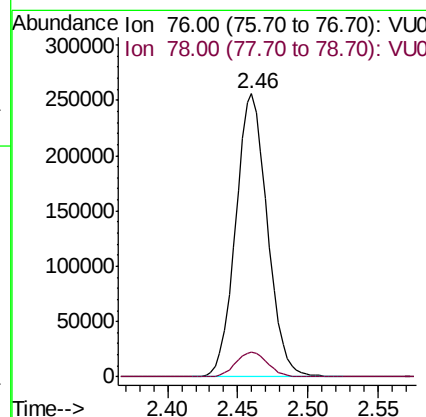
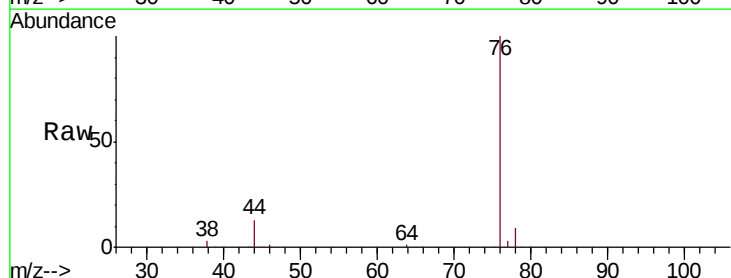
Instrument :
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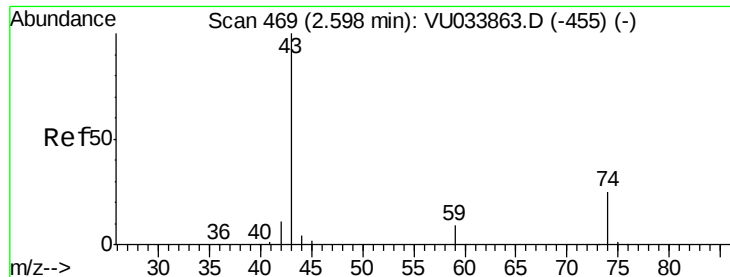
Tgt Ion: 43 Resp: 202908
Ion Ratio Lower Upper
43 100
58 32.6 0.0 69.0



#14
Carbon disulfide
Concen: 46.419 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

Tgt Ion: 76 Resp: 402164
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

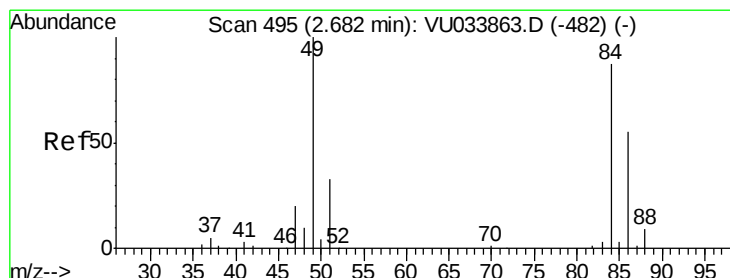
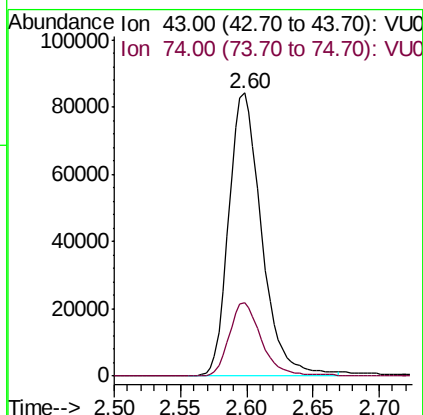
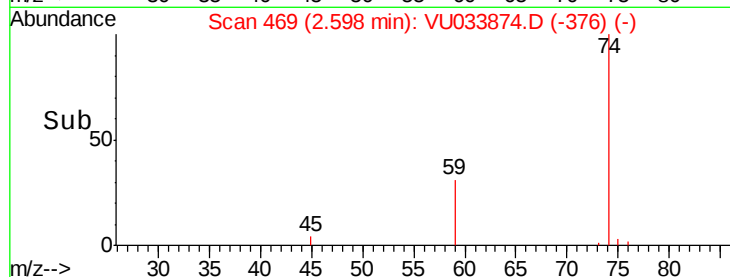
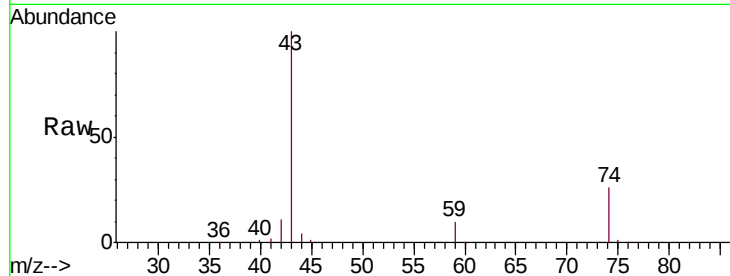




#15
Methyl Acetate
Concen: 47.530 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

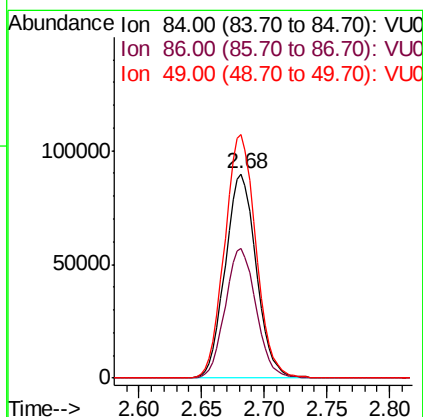
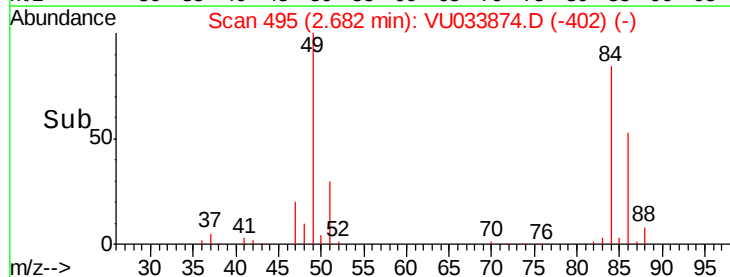
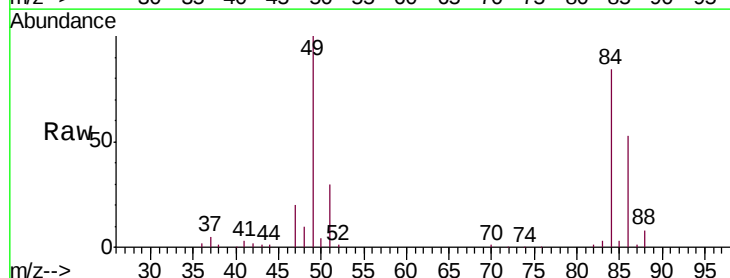
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

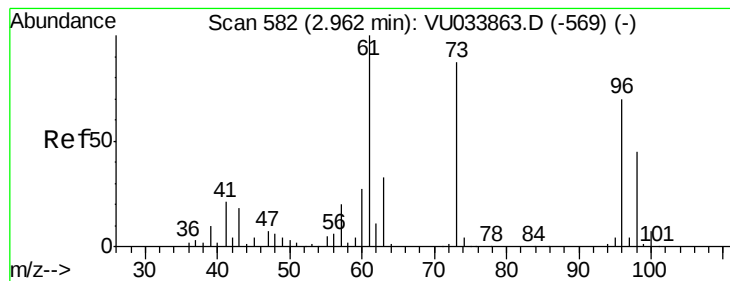
Tgt Ion: 43 Resp: 144494
Ion Ratio Lower Upper
43 100
74 25.8 19.7 29.5



#16
Methylene chloride
Concen: 48.661 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

Tgt Ion: 84 Resp: 154925
Ion Ratio Lower Upper
84 100
86 63.5 46.1 85.5
49 119.2 85.6 159.0





#17

trans-1,2-Dichloroethene

Concen: 48.004 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

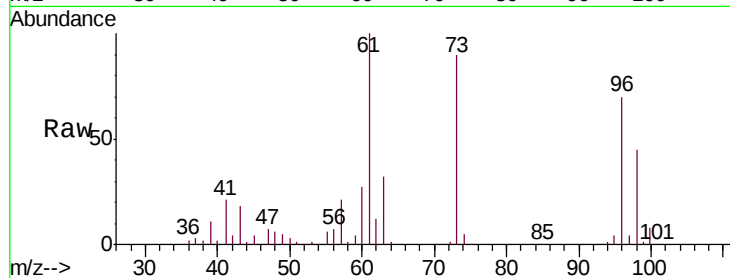
Tgt Ion: 96 Resp: 137490

Ion Ratio Lower Upper

96 100

61 142.5 98.6 183.2

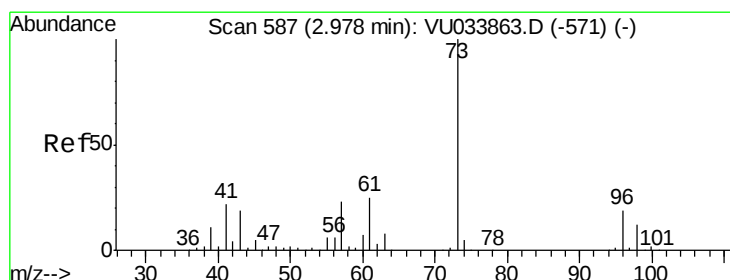
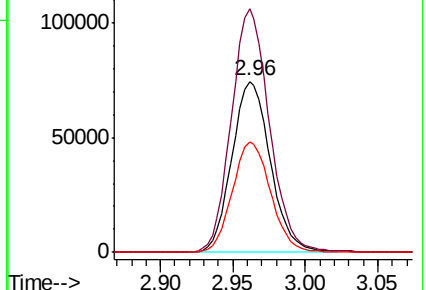
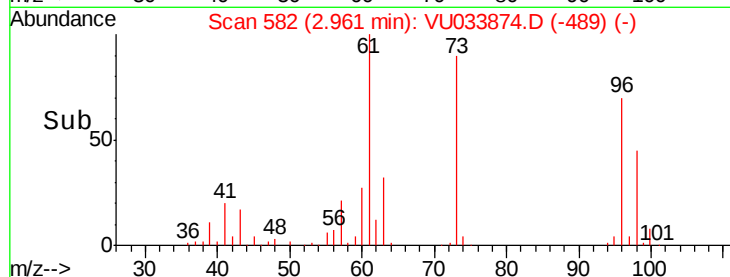
98 64.6 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU033874.D (-489) (-)

Ion 61.00 (60.70 to 61.70): VU033874.D (-489) (-)

Ion 98.00 (97.70 to 98.70): VU033874.D (-489) (-)



#18

Methyl tert-butyl Ether

Concen: 49.092 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

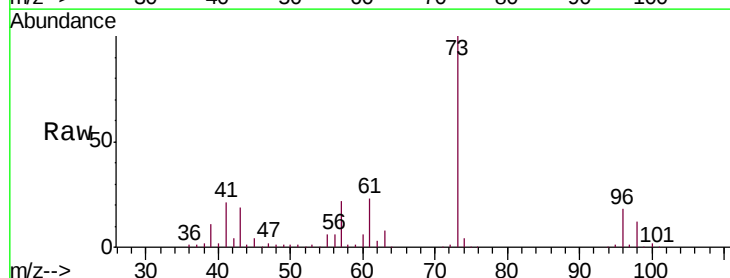
Tgt Ion: 73 Resp: 410332

Ion Ratio Lower Upper

73 100

43 19.4 15.2 22.8

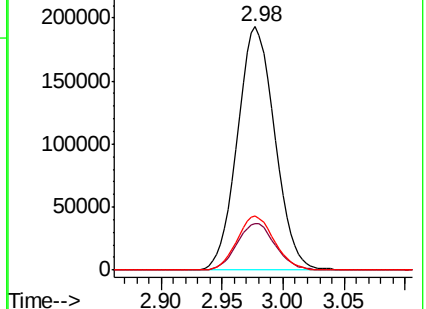
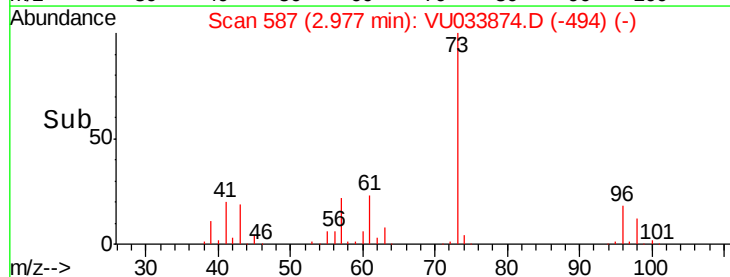
57 22.3 17.8 26.8

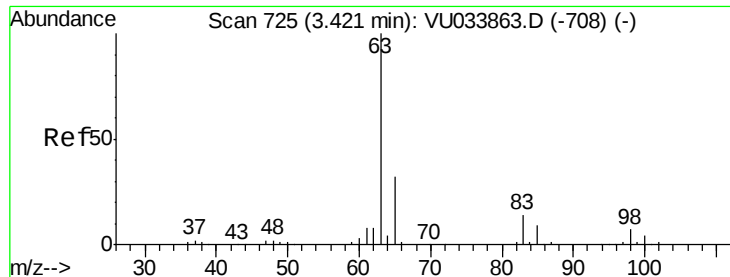


Abundance Ion 73.00 (72.70 to 73.70): VU033874.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033874.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033874.D (-494) (-)





#19

1,1-Dichloroethane

Concen: 48.049 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

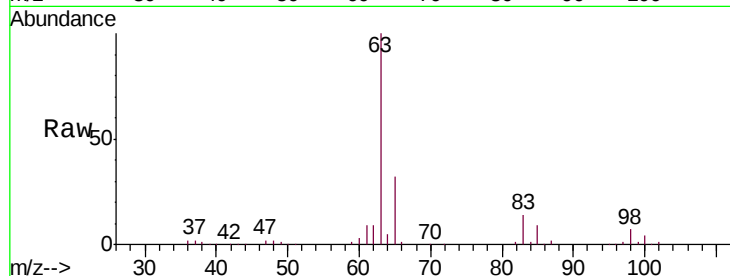
Tgt Ion: 63 Resp: 264823

Ion Ratio Lower Upper

63 100

65 31.5 21.8 40.6

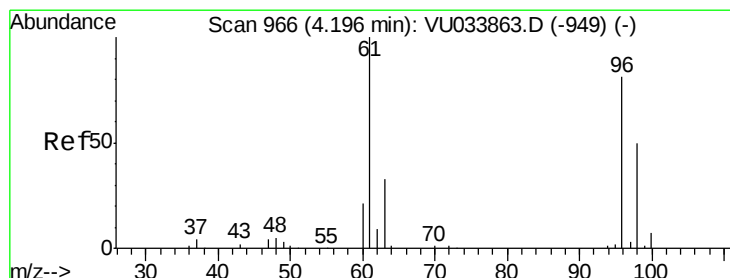
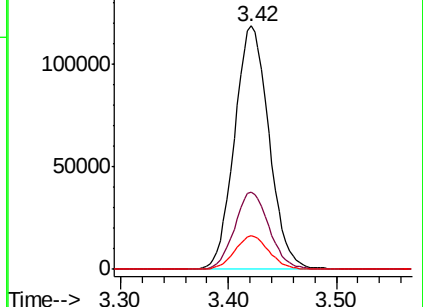
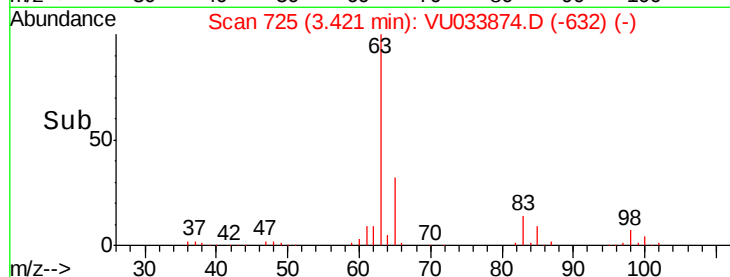
83 13.6 9.9 18.3



Abundance Ion 63.00 (62.70 to 63.70): VU033874.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033874.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033874.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.919 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

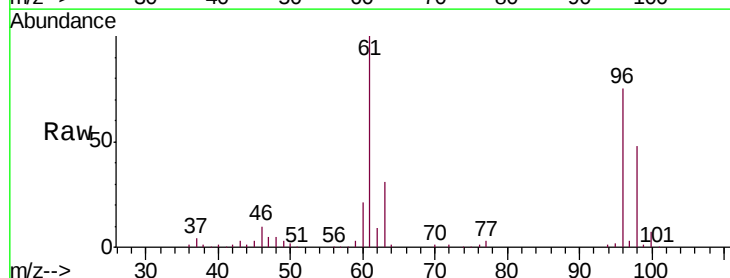
Tgt Ion: 96 Resp: 154662

Ion Ratio Lower Upper

96 100

61 133.4 88.2 163.8

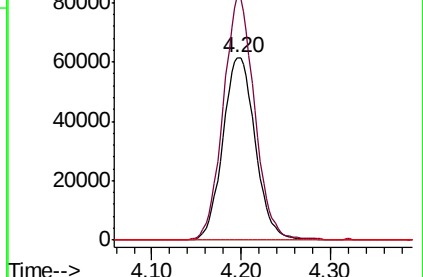
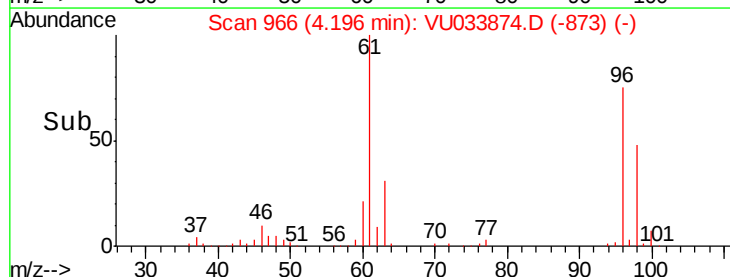
68 0.0 0.0 0.0

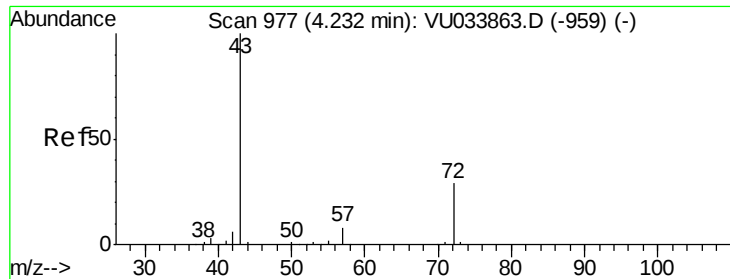


Abundance Ion 96.00 (95.70 to 96.70): VU033874.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU033874.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU033874.D (-873) (-)





#22

2-Butanone

Concen: 106.241 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

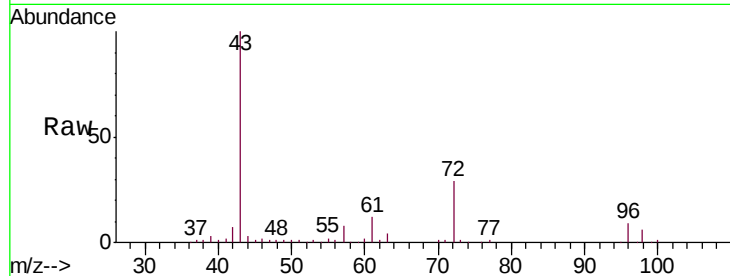
VSTD05048

Tgt Ion: 43 Resp: 225390

Ion Ratio Lower Upper

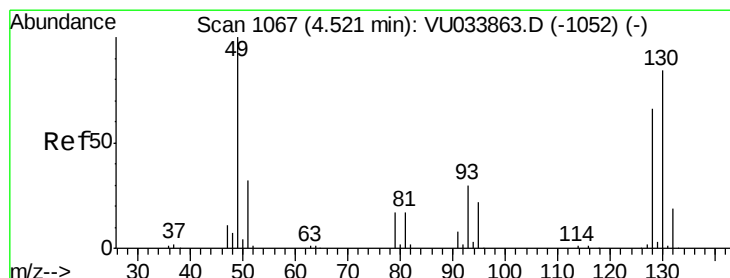
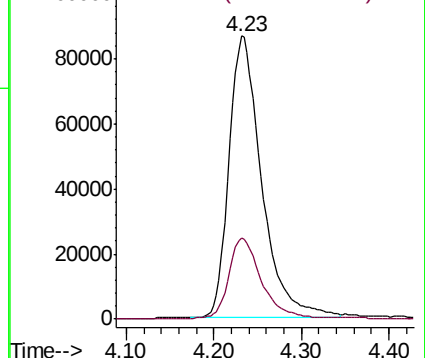
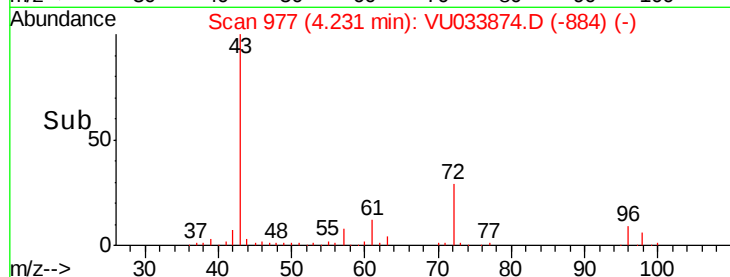
43 100

72 29.1 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU033874.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VU033874.D (-884) (-)



#23

Bromochloromethane

Concen: 48.780 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Tgt Ion: 128 Resp: 82402

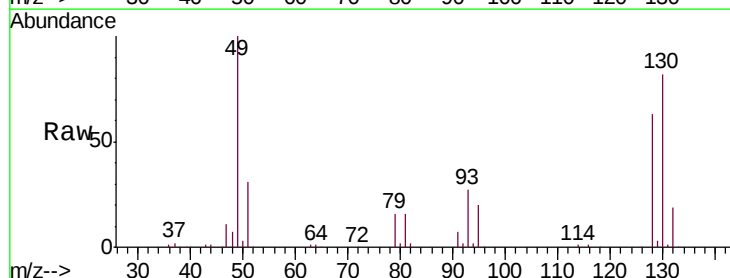
Ion Ratio Lower Upper

128 100

49 158.1 106.7 198.3

130 129.6 90.4 168.0

51 48.8 38.4 57.6

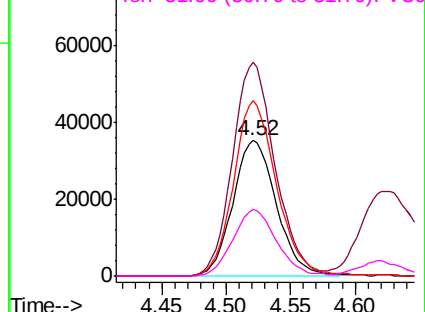
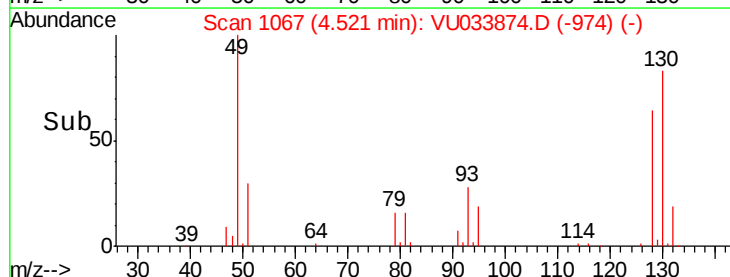


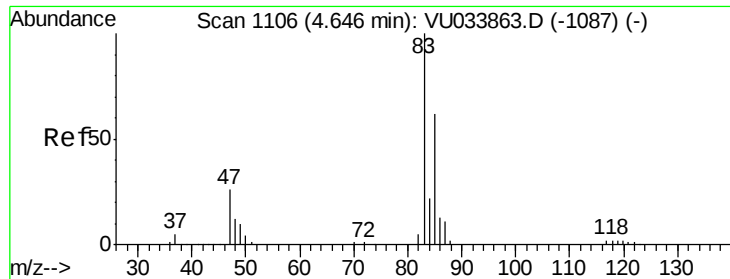
Abundance Ion 128.00 (127.70 to 128.70): VU033874.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VU033874.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VU033874.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VU033874.D (-974) (-)

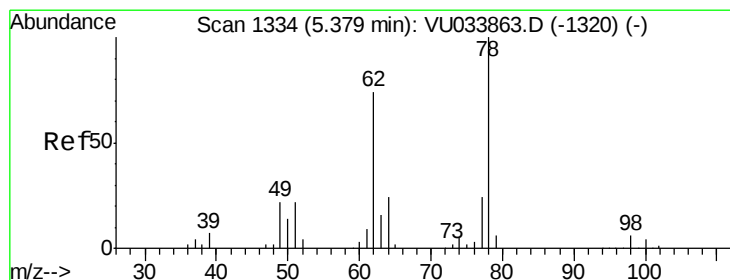
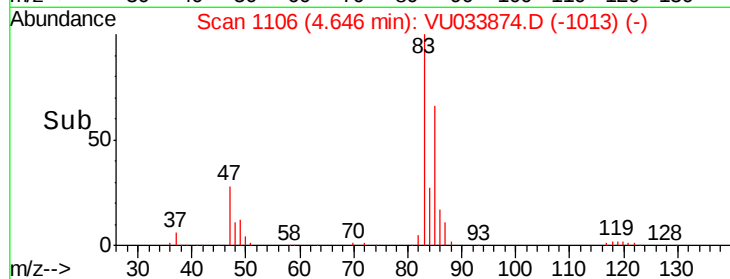
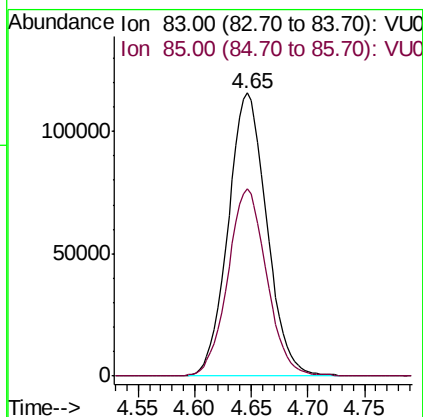
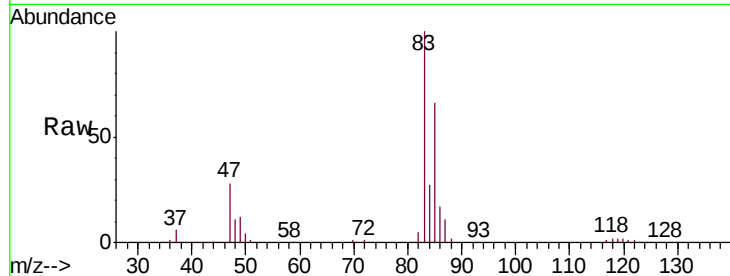




#25
Chloroform
Concen: 48.004 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

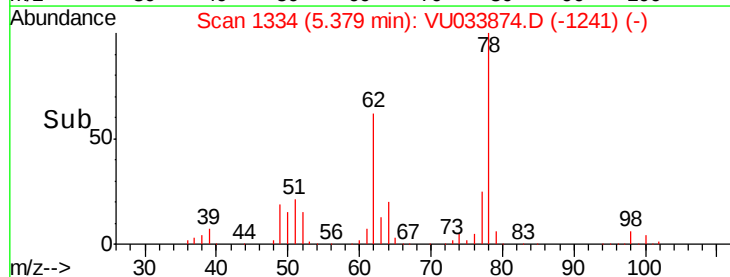
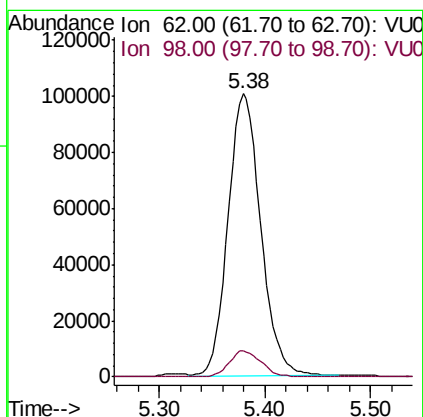
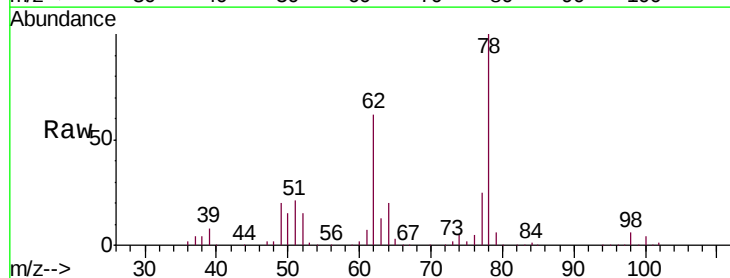
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

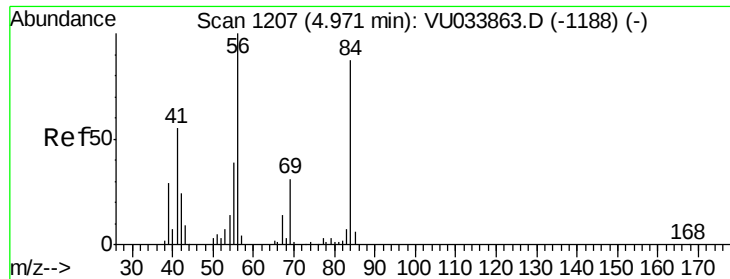
Tgt Ion: 83 Resp: 274959
Ion Ratio Lower Upper
83 100
85 66.1 46.3 86.1



#27
1,2-Dichloroethane
Concen: 49.782 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

Tgt Ion: 62 Resp: 216178
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.6

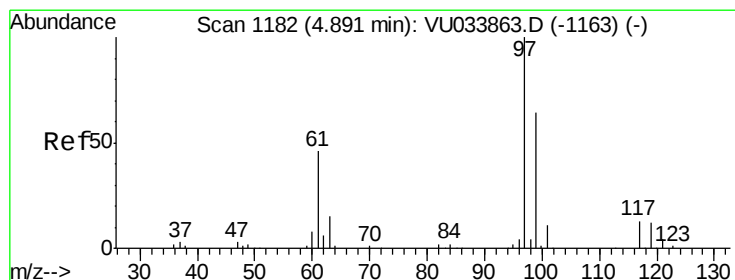
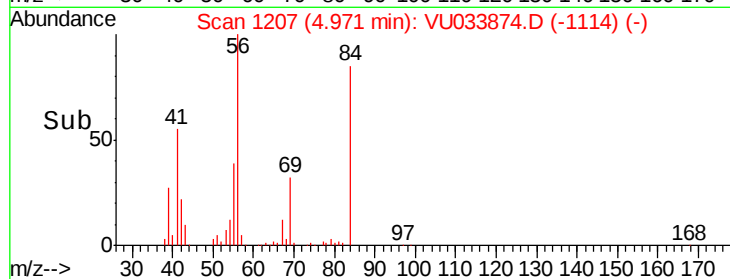
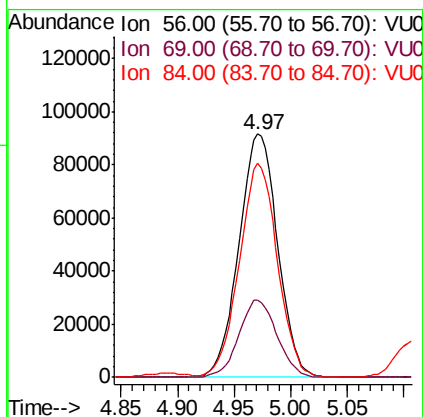
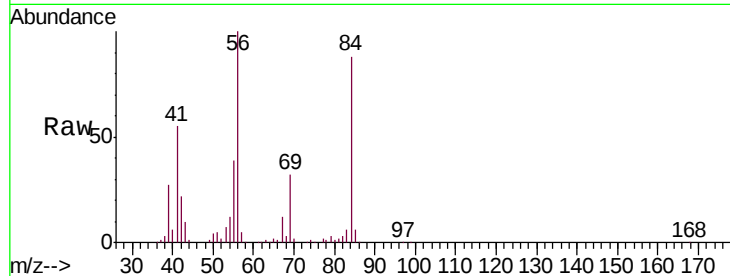




#29
Cyclohexane
Concen: 50.152 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

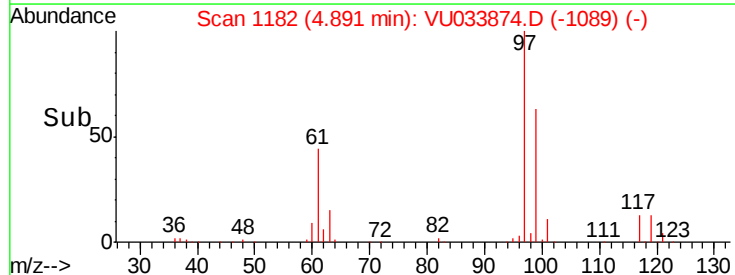
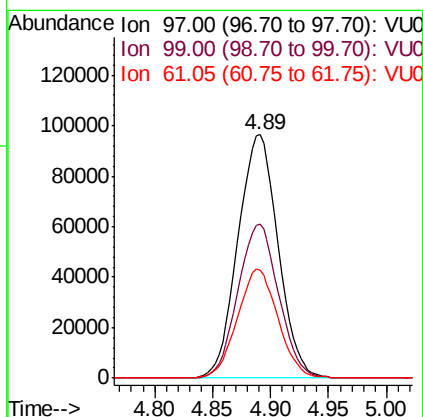
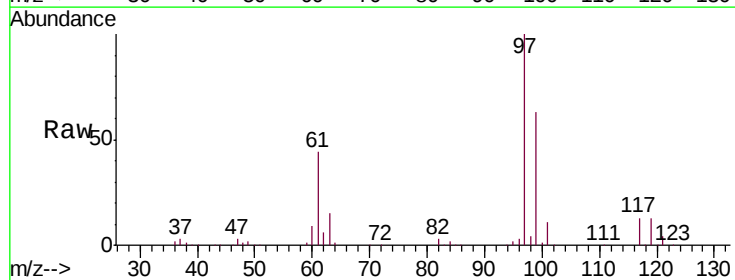
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

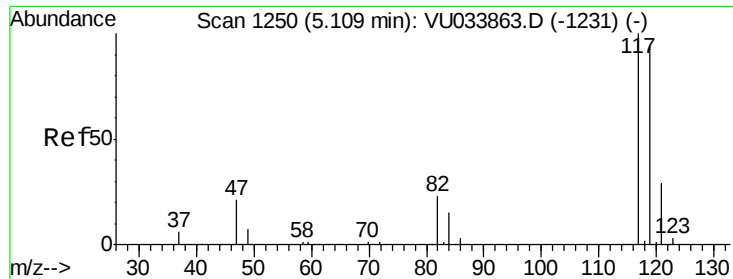
Tgt Ion: 56 Resp: 218543
Ion Ratio Lower Upper
56 100
69 31.1 24.4 36.6
84 86.6 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 47.571 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

Tgt Ion: 97 Resp: 232923
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.8
61 45.3 35.8 53.6

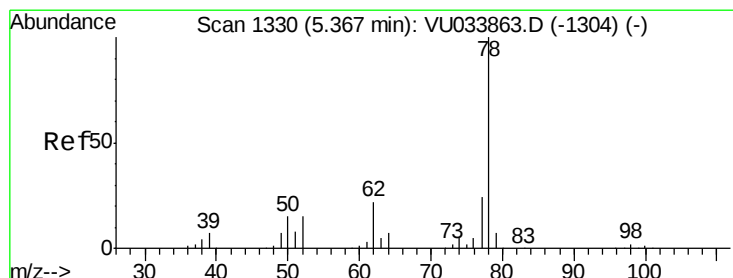
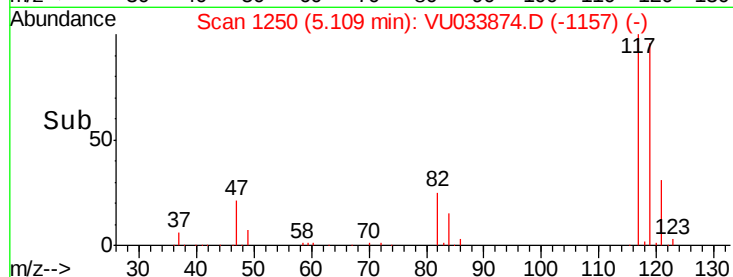
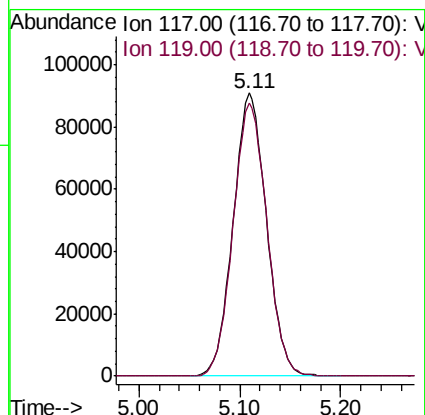
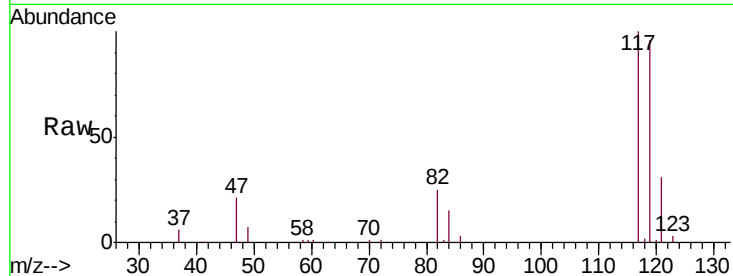




#31
Carbon tetrachloride
Concen: 46.787 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

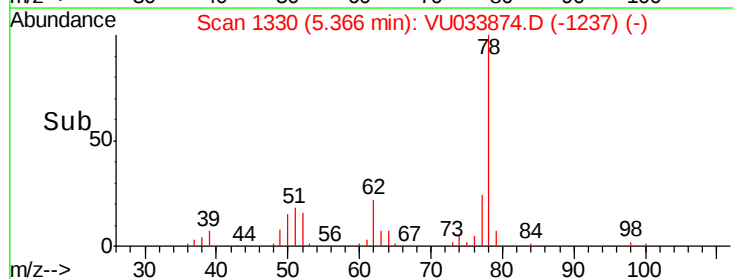
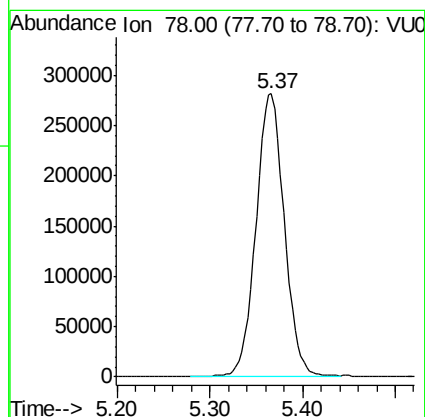
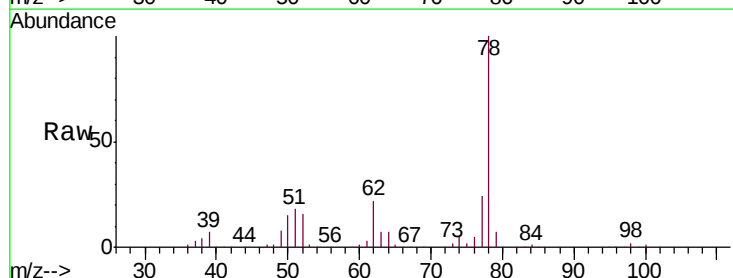
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

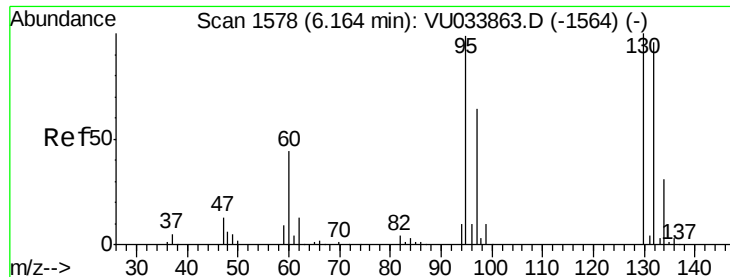
Tgt Ion:117 Resp: 208466
Ion Ratio Lower Upper
117 100
119 97.8 77.0 115.6



#33
Benzene
Concen: 48.830 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

Tgt Ion: 78 Resp: 599913





#34

Trichloroethene

Concen: 46.480 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tgt Ion: 95 Resp: 152405

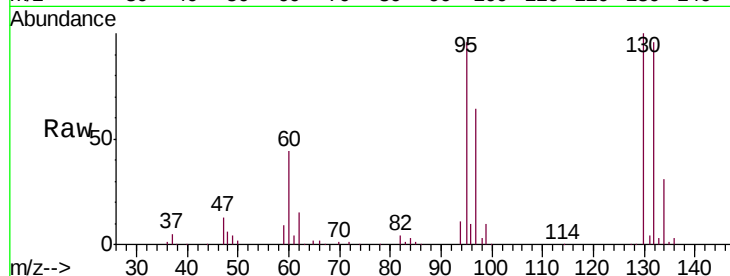
Ion Ratio Lower Upper

95 100

97 66.2 46.3 86.1

132 99.3 67.9 126.1

130 103.8 72.0 133.6

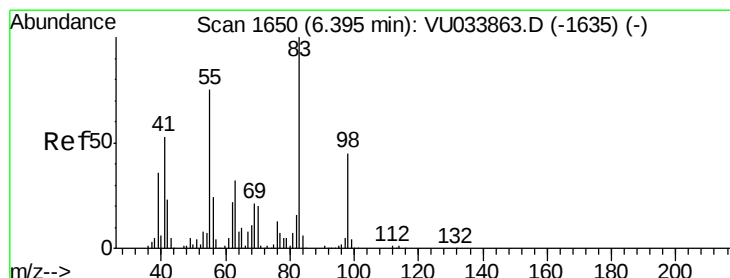
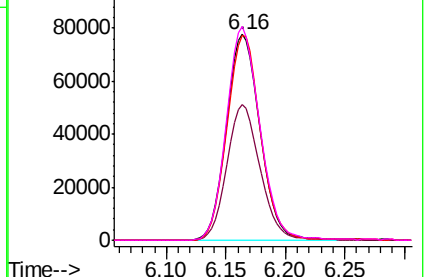
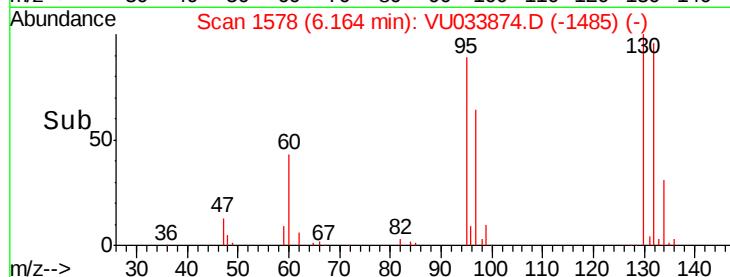


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 50.209 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

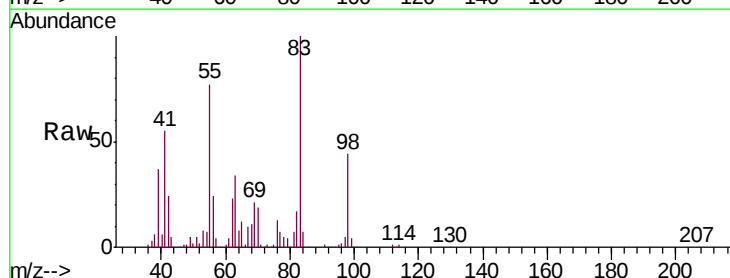
Tgt Ion: 83 Resp: 241081

Ion Ratio Lower Upper

83 100

55 76.1 61.6 92.4

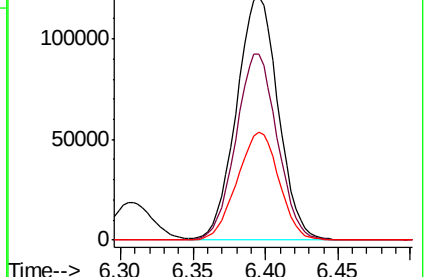
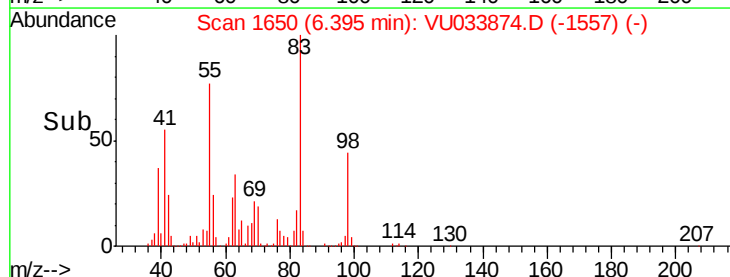
98 45.0 37.2 55.8

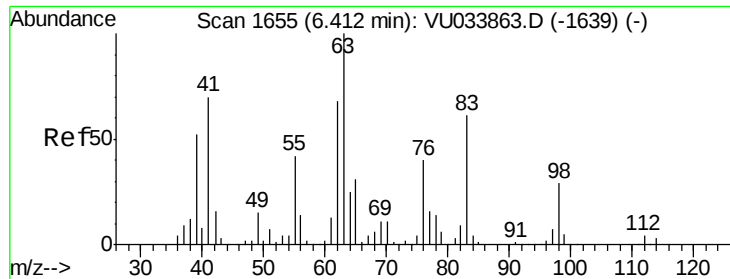


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

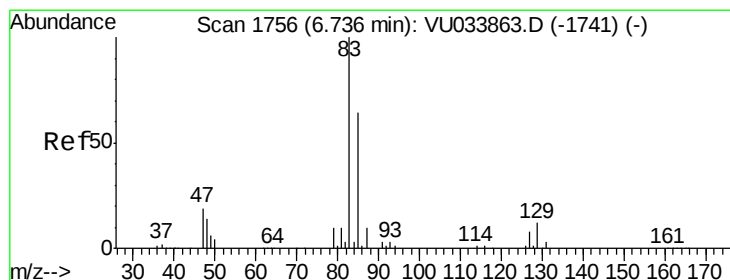
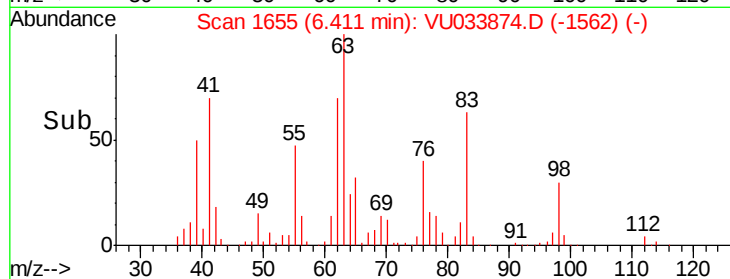
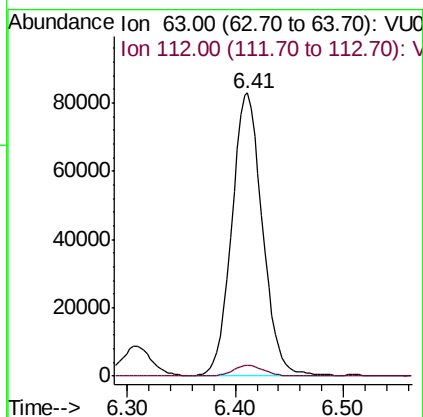
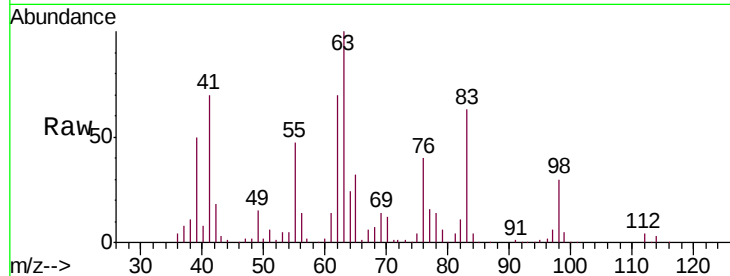




#37
 1,2-Dichloropropane
 Concen: 48.665 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033874.D
 Acq: 21 Aug 2019 16:07

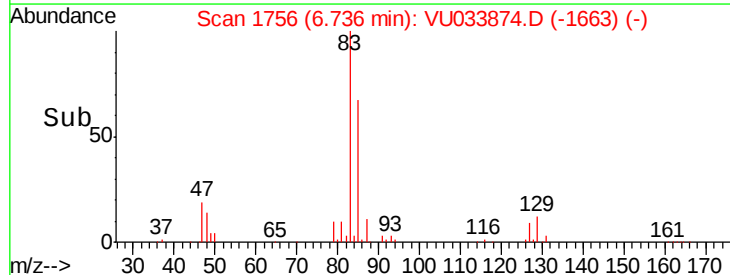
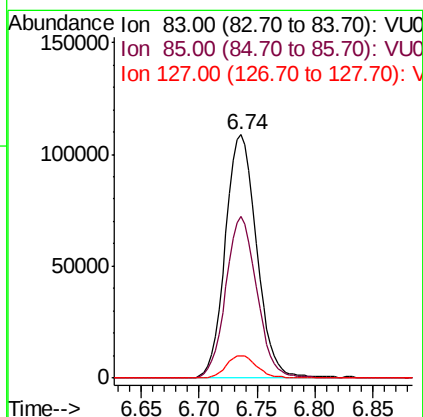
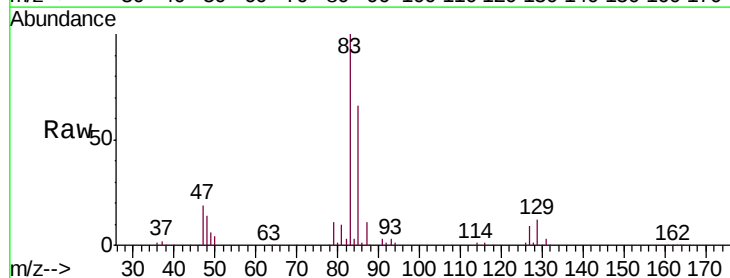
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

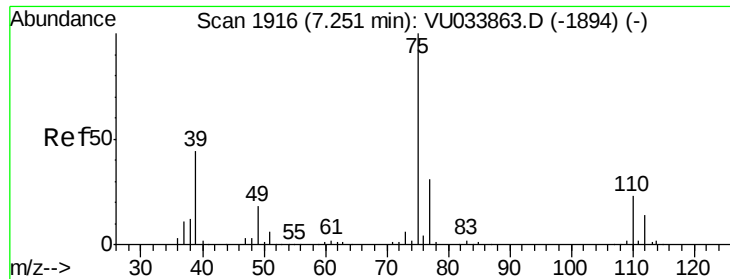
Tgt Ion: 63 Resp: 163725
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.2 4.8



#38
 Bromodichloromethane
 Concen: 46.999 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033874.D
 Acq: 21 Aug 2019 16:07

Tgt Ion: 83 Resp: 204724
 Ion Ratio Lower Upper
 83 100
 85 66.2 45.9 85.3
 127 9.3 7.3 10.9

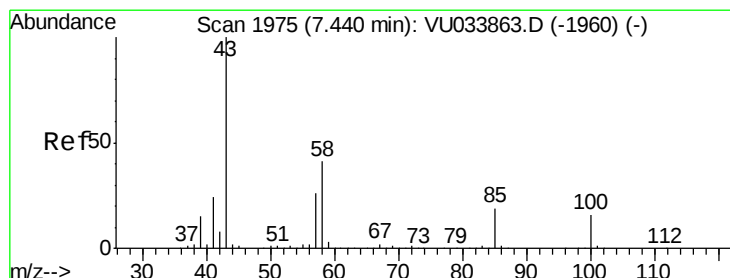
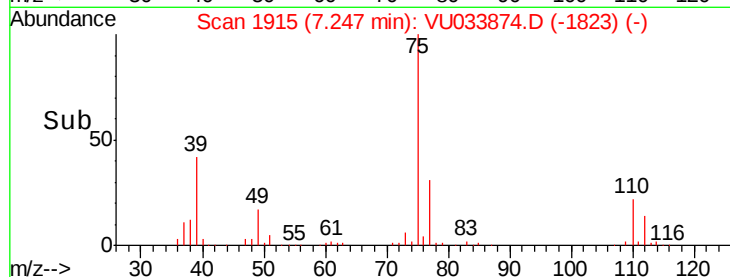
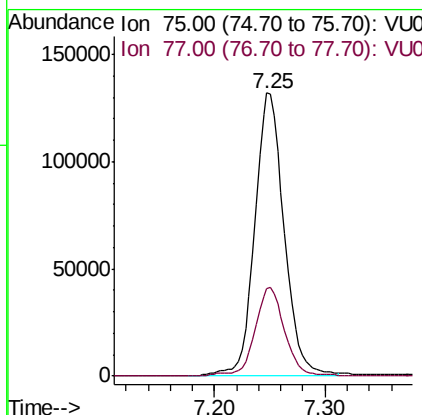
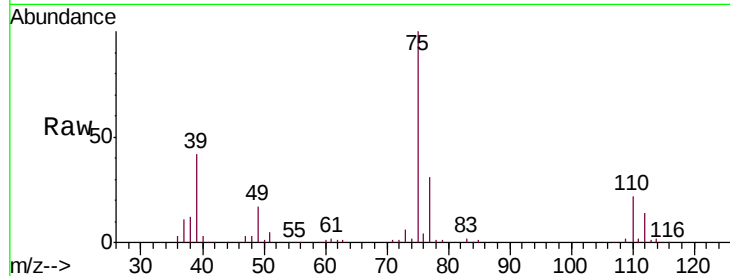




#39
 cis-1,3-Dichloropropene
 Concen: 49.772 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033874.D
 Acq: 21 Aug 2019 16:07

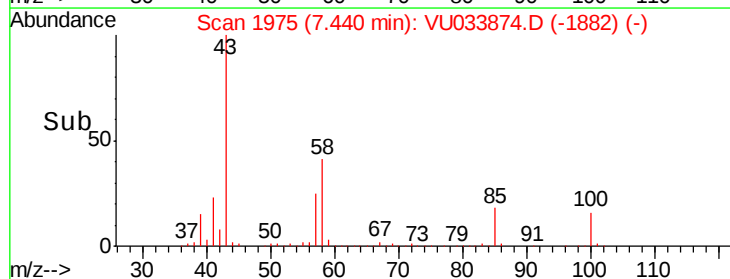
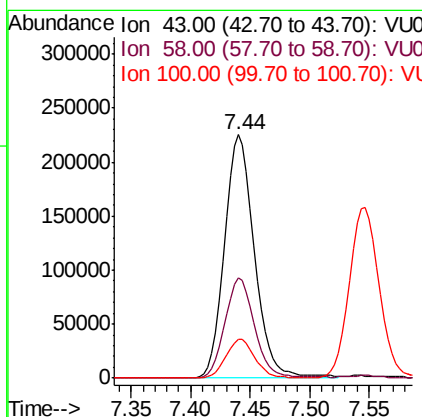
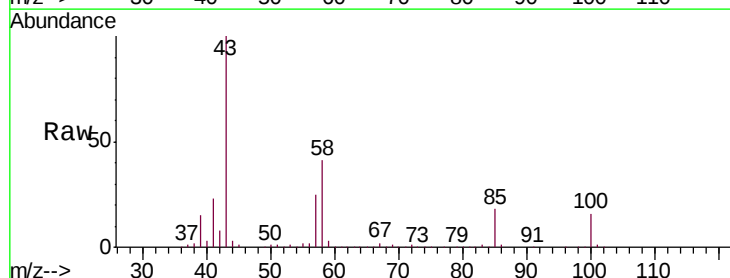
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05048

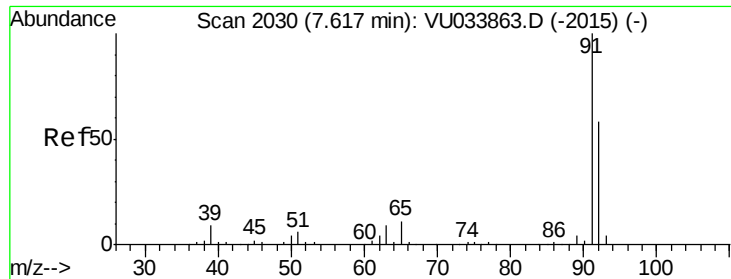
Tgt Ion: 75 Resp: 244049
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 99.618 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033874.D
 Acq: 21 Aug 2019 16:07

Tgt Ion: 43 Resp: 393428
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.6 49.0
 100 15.5 12.4 18.6





#42

Toluene

Concen: 49.757 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

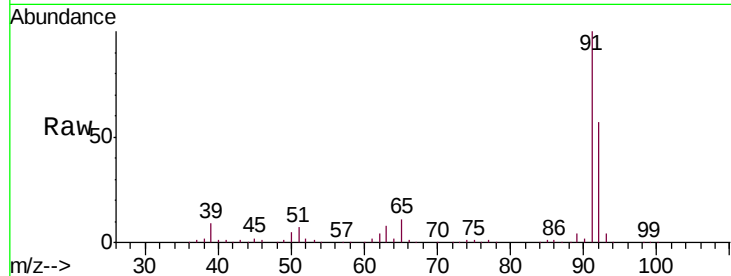
VSTD05048

Tgt Ion: 91 Resp: 646239

Ion Ratio Lower Upper

91 100

92 56.7 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU033863.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU033863.D (-2015) (-)

7.62

400000

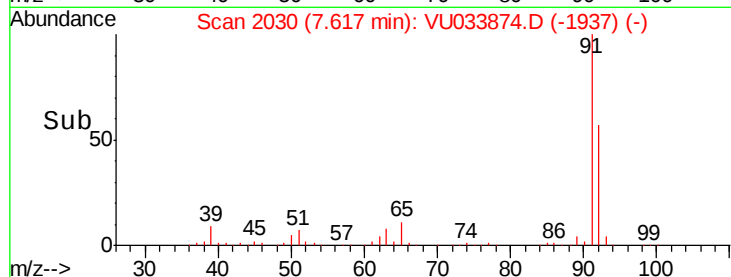
300000

200000

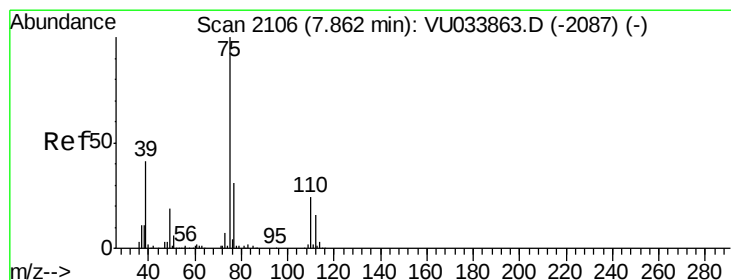
100000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.683 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033874.D

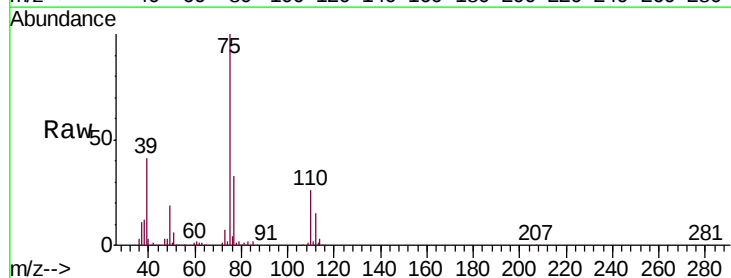
Acq: 21 Aug 2019 16:07

Tgt Ion: 75 Resp: 219375

Ion Ratio Lower Upper

75 100

77 32.6 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU033863.D (-2087) (-)

Ion 77.00 (76.70 to 77.70): VU033863.D (-2087) (-)

7.86

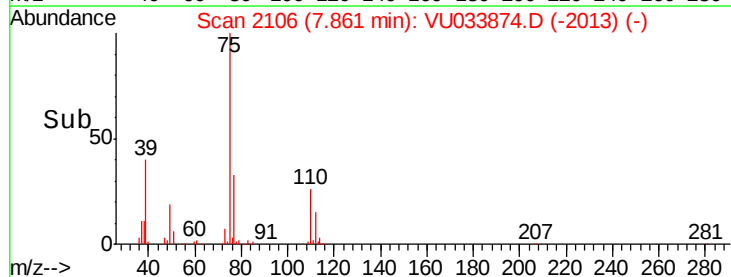
150000

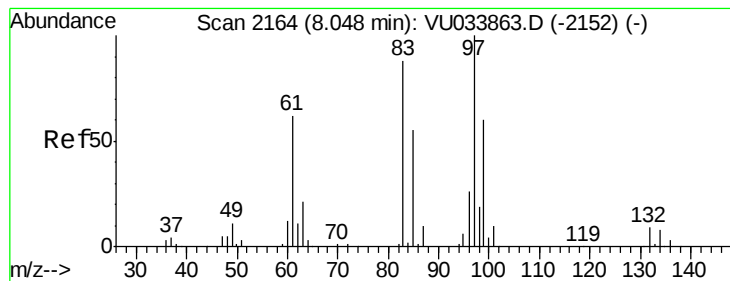
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.546 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tgt Ion: 97 Resp: 153298

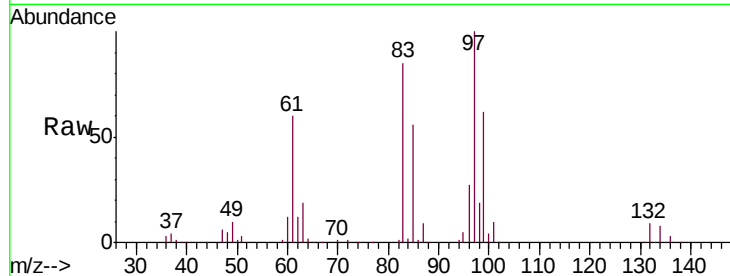
Ion Ratio Lower Upper

97 100

99 62.1 43.9 81.5

83 84.6 61.7 114.5

85 55.8 39.2 72.8

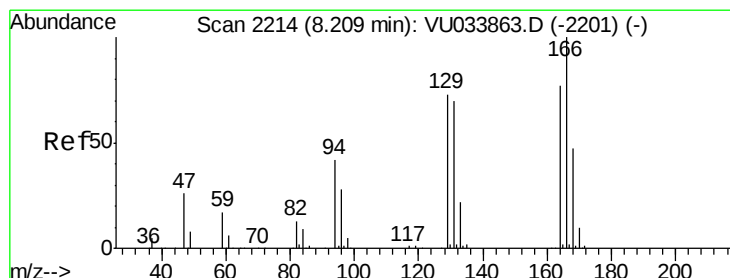
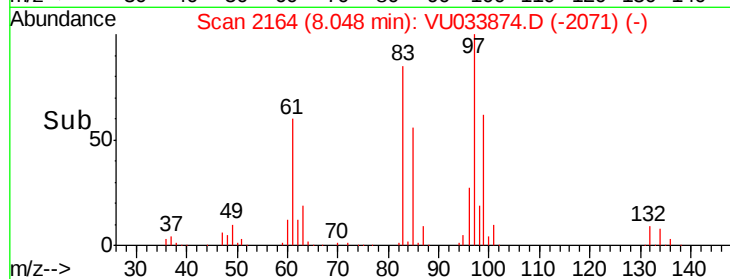
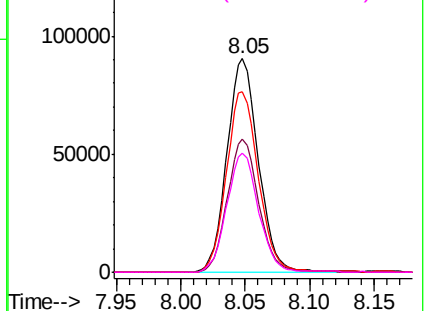


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 49.958 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Tgt Ion: 164 Resp: 131327

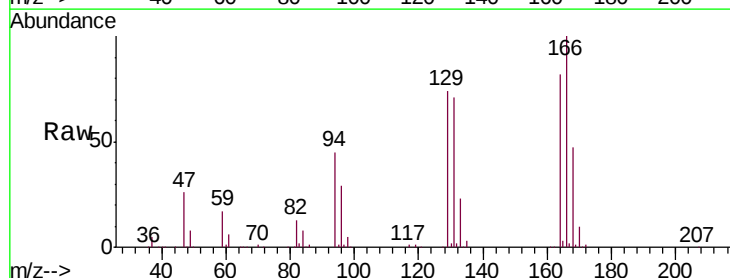
Ion Ratio Lower Upper

164 100

129 90.8 64.4 119.6

131 86.6 63.8 118.4

166 122.3 90.9 168.7

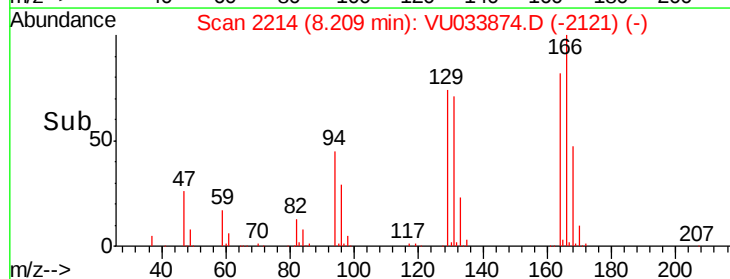
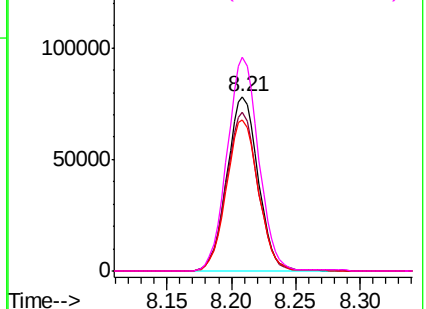


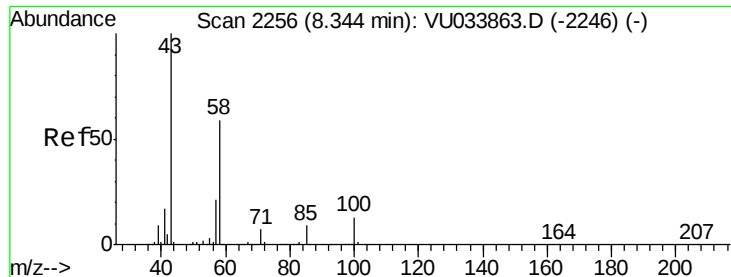
Abundance Ion 164.00 (163.70 to 164.70): V

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

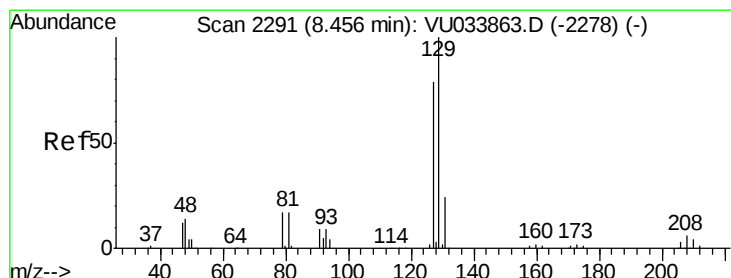
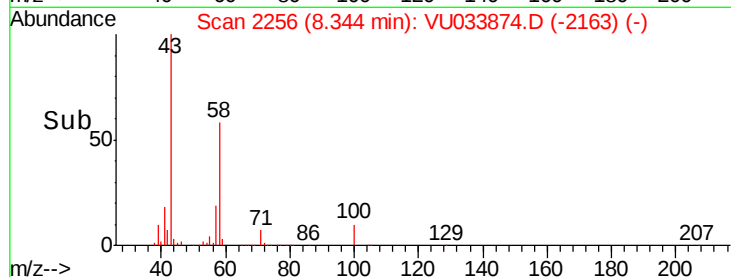
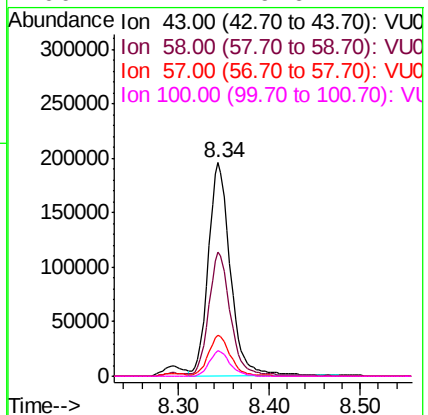
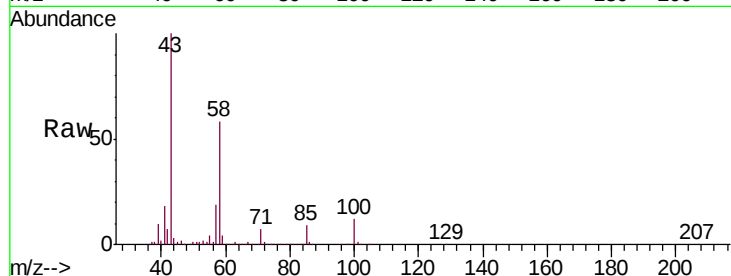




#48
2-Hexanone
Concen: 106.617 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

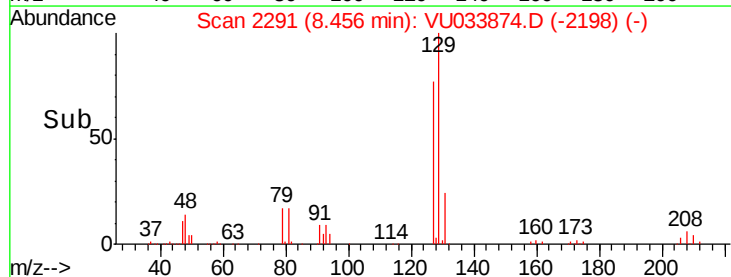
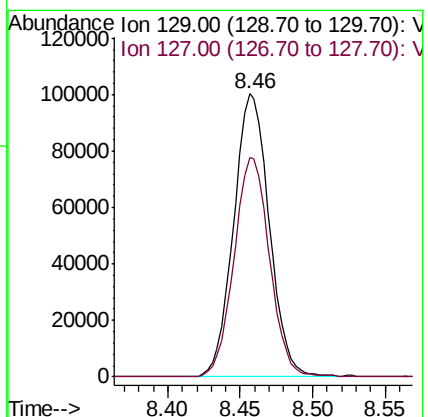
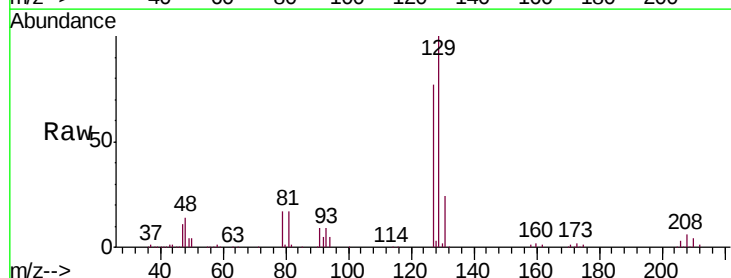
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

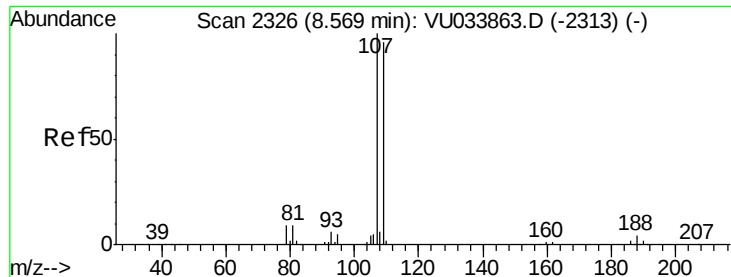
Tgt Ion: 43 Resp: 330168
Ion Ratio Lower Upper
43 100
58 56.5 45.0 67.4
57 18.3 15.4 23.0
100 11.2 9.6 14.4



#49
Dibromochloromethane
Concen: 48.114 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

Tgt Ion: 129 Resp: 171555
Ion Ratio Lower Upper
129 100
127 77.3 53.4 99.2

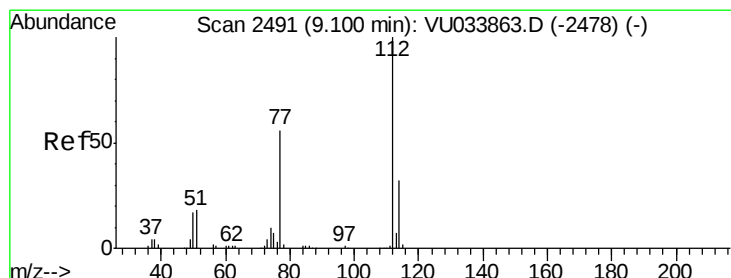
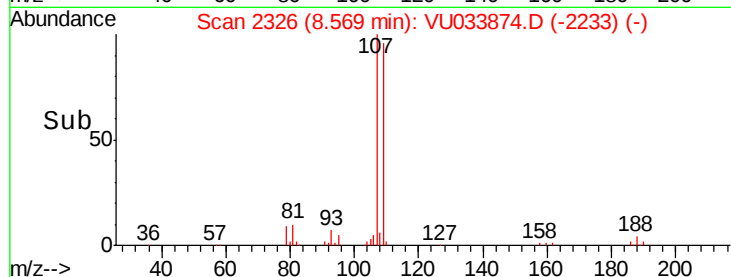
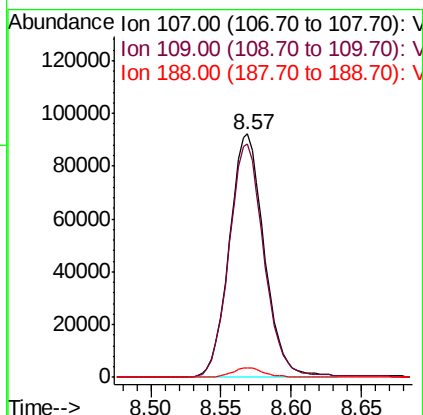
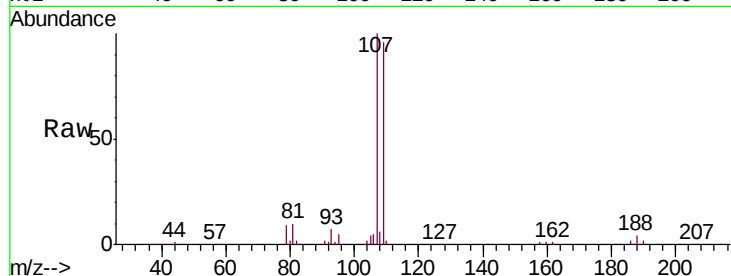




#50
1,2-Dibromoethane
Concen: 47.650 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

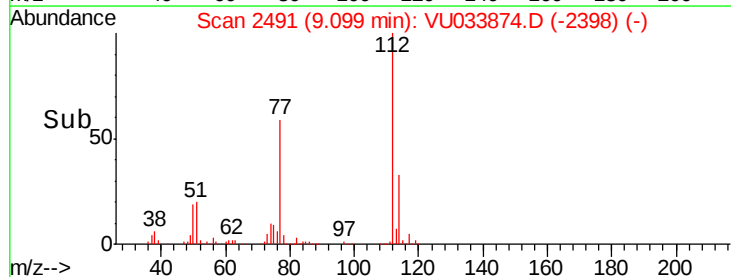
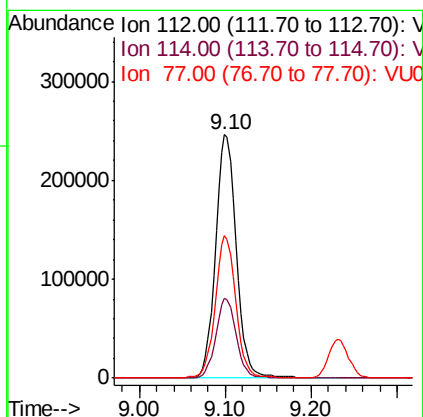
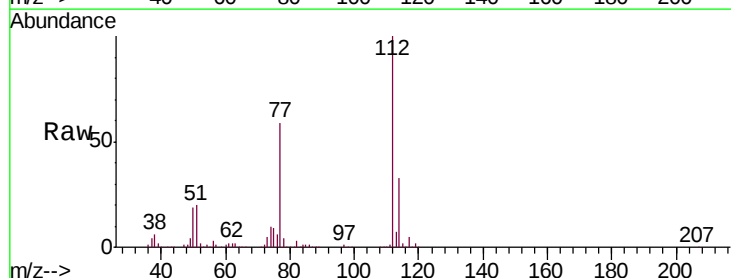
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

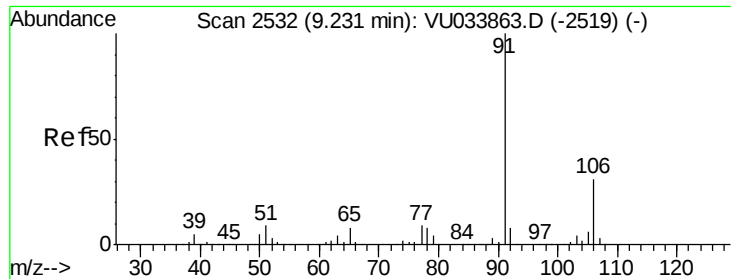
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.9	64.8	120.3
188	4.1	3.1	4.7



#51
Chlorobenzene
Concen: 48.341 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.5	41.9
77	58.7	45.4	68.0

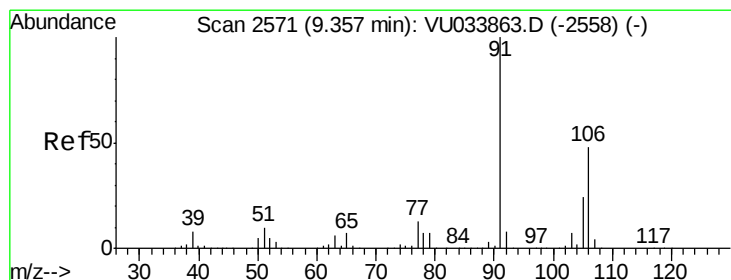
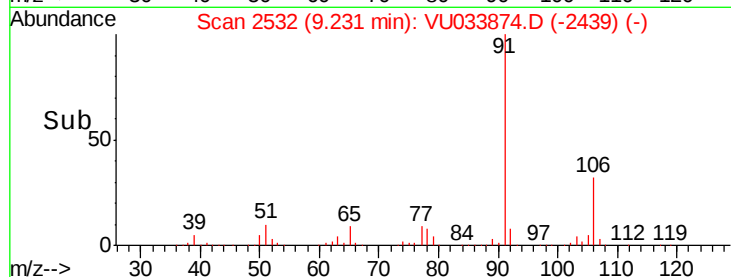
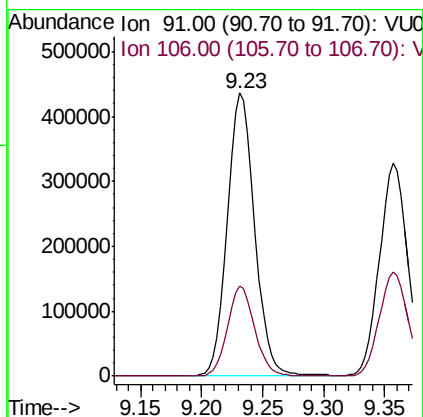
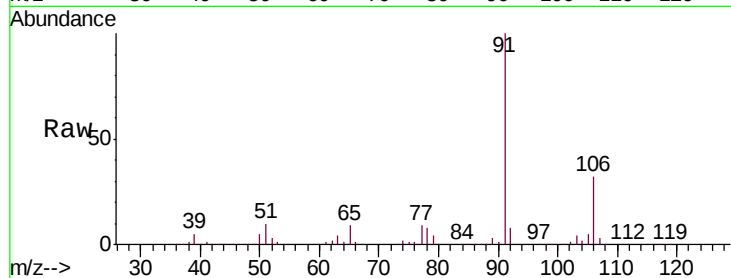




#52
Ethylbenzene
Concen: 50.104 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

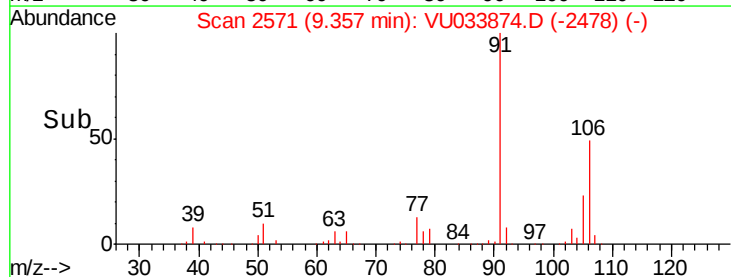
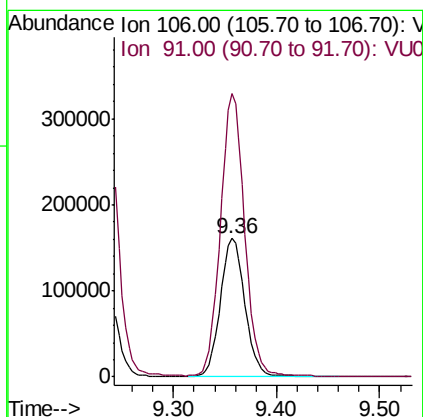
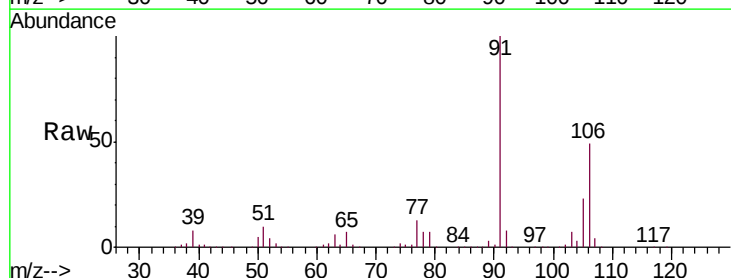
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

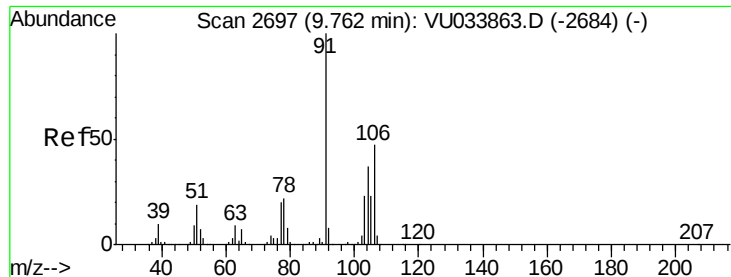
Tgt Ion: 91 Resp: 689480
Ion Ratio Lower Upper
91 100
106 31.9 21.8 40.6



#53
m,p-Xylene
Concen: 51.999 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU033874.D
Acq: 21 Aug 2019 16:07

Tgt Ion: 106 Resp: 267845
Ion Ratio Lower Upper
106 100
91 204.3 140.9 261.7





#54

o-xylene

Concen: 51.783 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

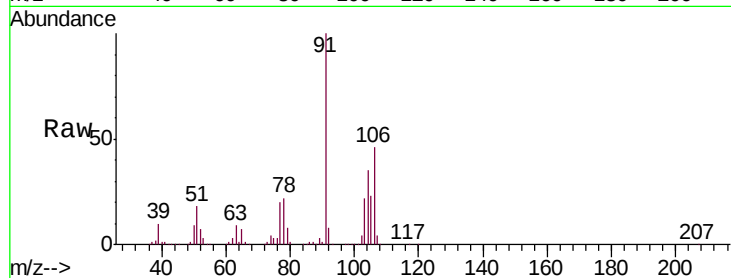
VSTD05048

Tgt Ion:106 Resp: 258458

Ion Ratio Lower Upper

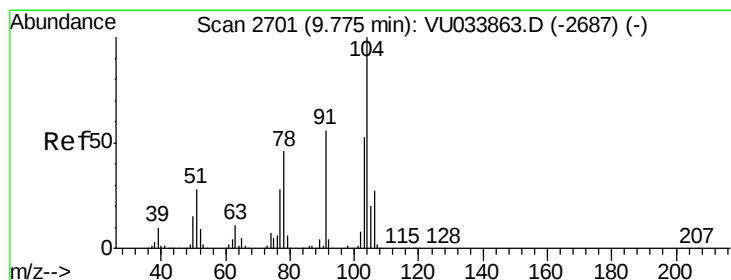
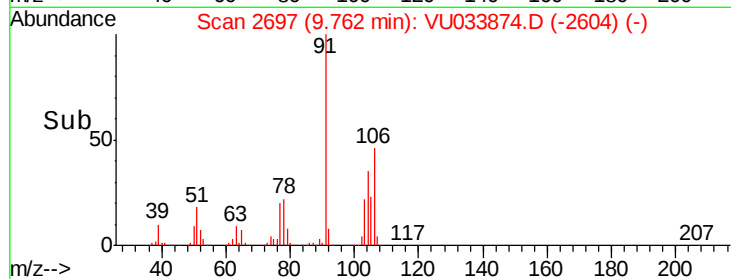
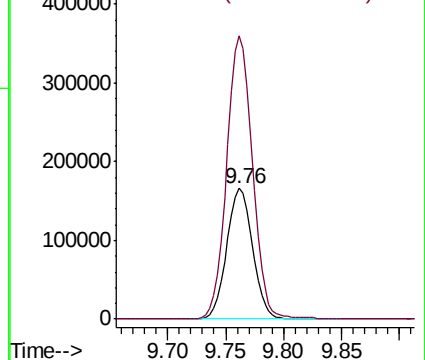
106 100

91 216.9 147.8 274.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.943 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033874.D

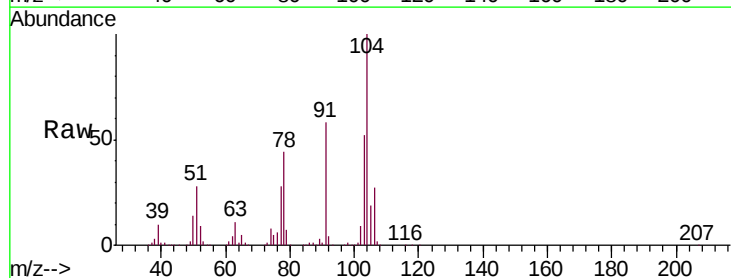
Acq: 21 Aug 2019 16:07

Tgt Ion:104 Resp: 452759

Ion Ratio Lower Upper

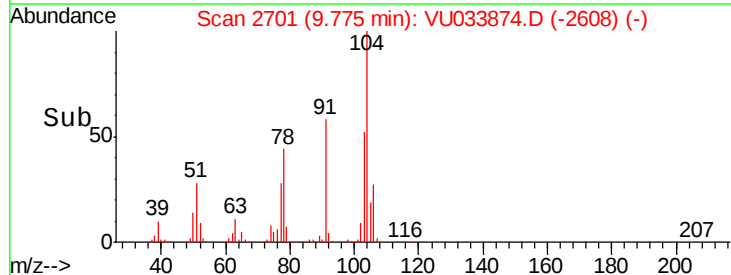
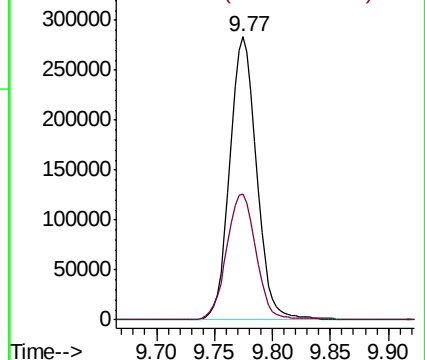
104 100

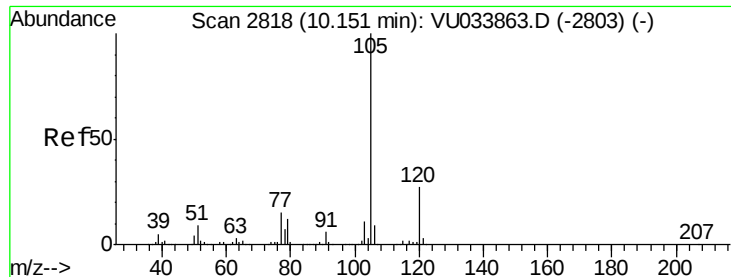
78 44.3 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.412 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

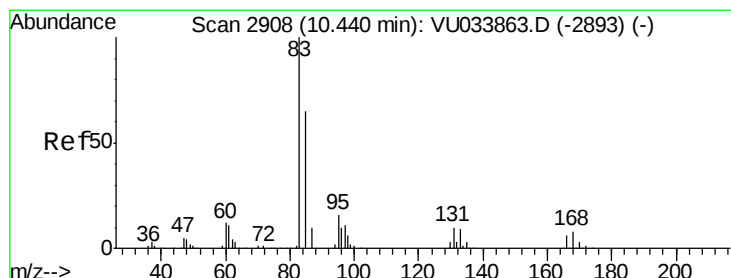
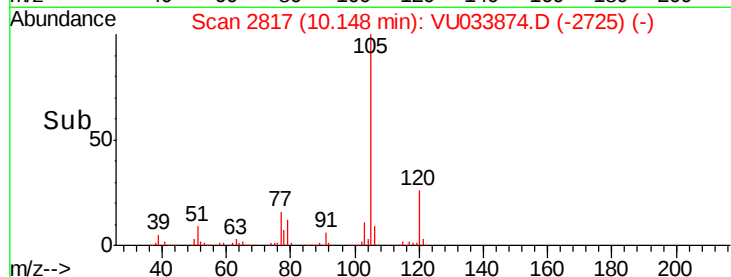
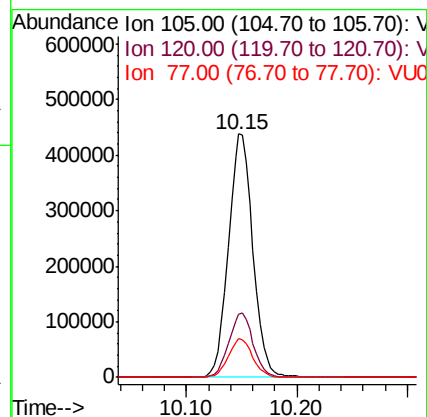
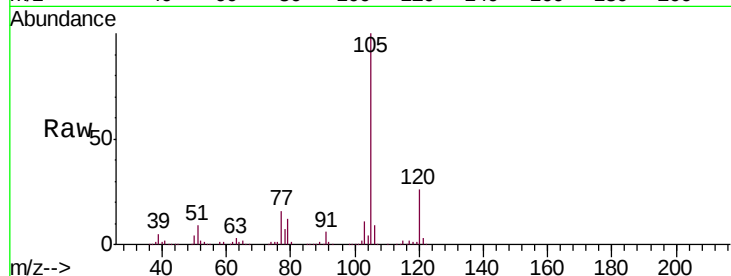
Tgt Ion: 105 Resp: 670926

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

77 15.8 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 50.275 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

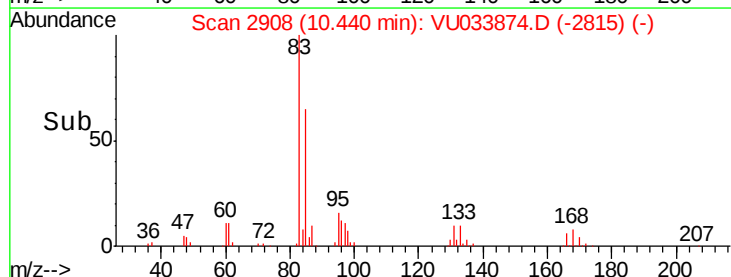
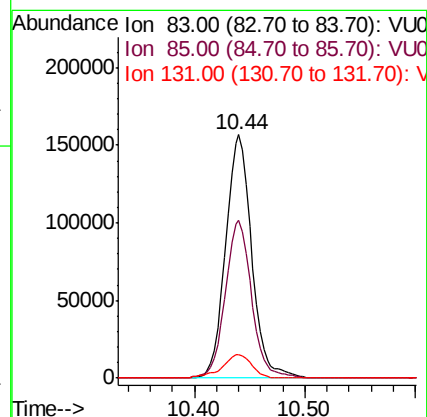
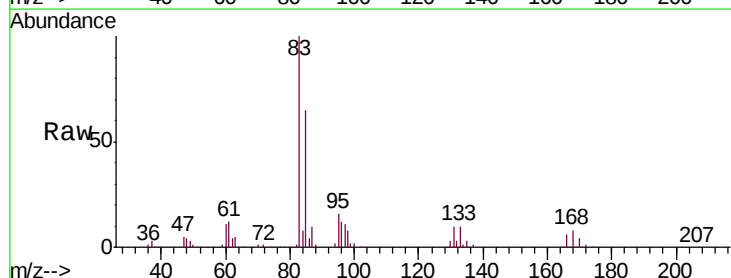
Tgt Ion: 83 Resp: 256955

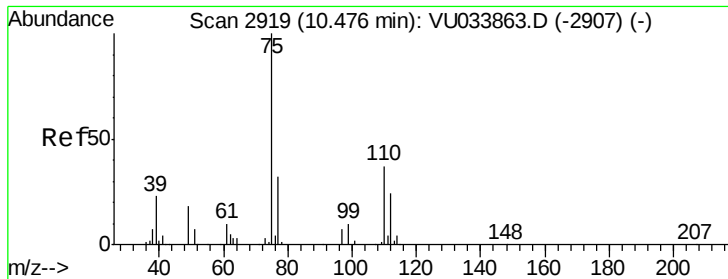
Ion Ratio Lower Upper

83 100

85 65.0 44.6 82.8

131 9.9 7.8 11.6

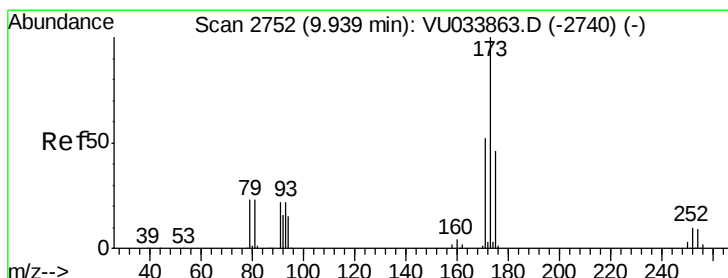
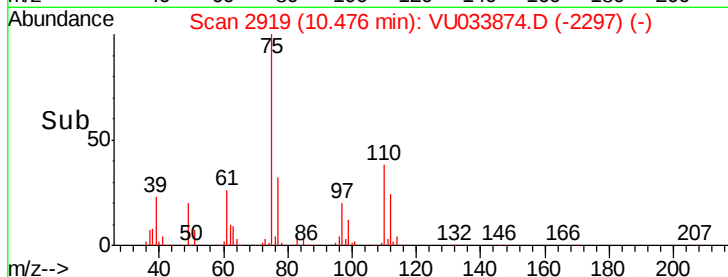
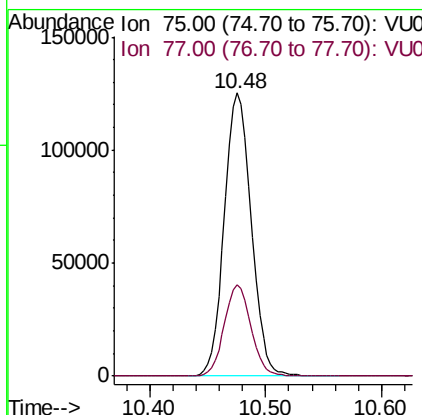
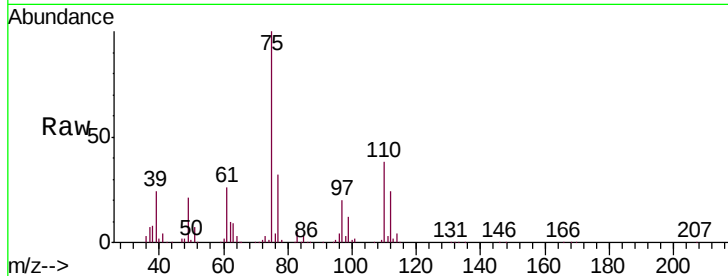




#59
 1,2,3-Trichloropropane
 Concen: 49.381 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VU033874.D
 Acq: 21 Aug 2019 16:07

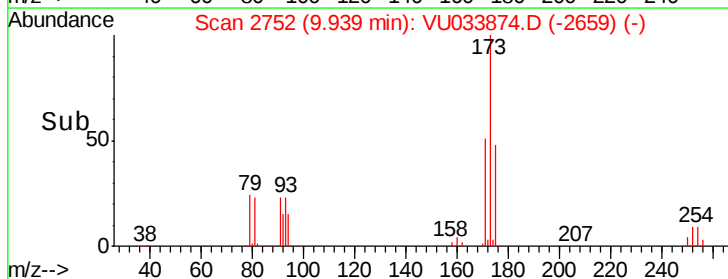
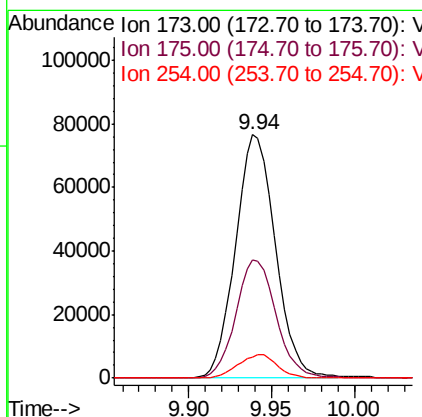
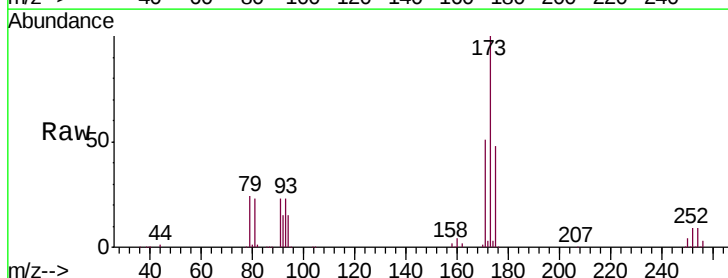
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

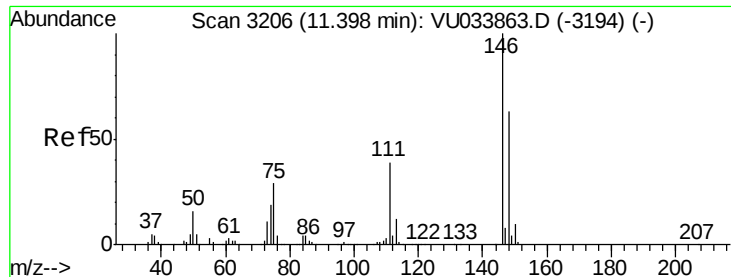
Tgt Ion: 75 Resp: 201231
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.0 39.0



#61
 Bromoform
 Concen: 47.229 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. -0.00 min
 Lab File: VU033874.D
 Acq: 21 Aug 2019 16:07

Tgt Ion: 173 Resp: 128379
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.8 58.2
 254 9.6 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 48.655 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

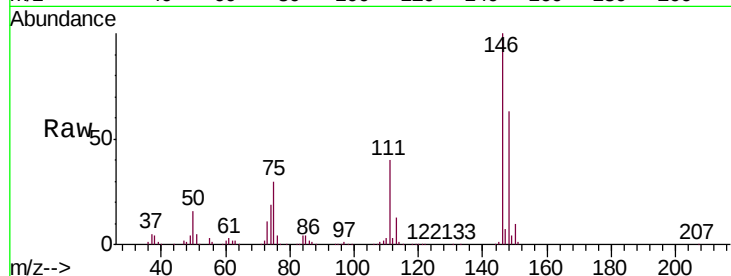
Tgt Ion:146 Resp: 333233

Ion Ratio Lower Upper

146 100

111 40.1 28.1 52.1

148 63.3 45.2 84.0

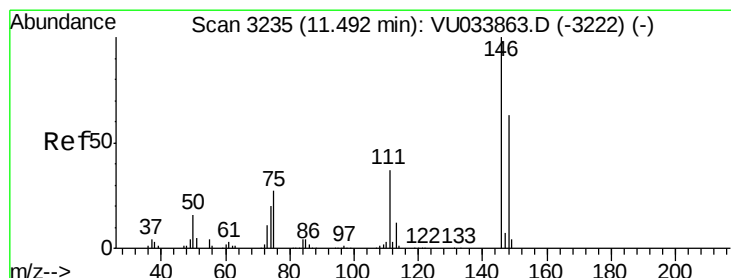
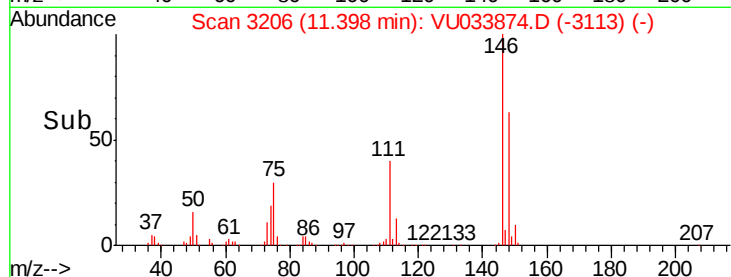
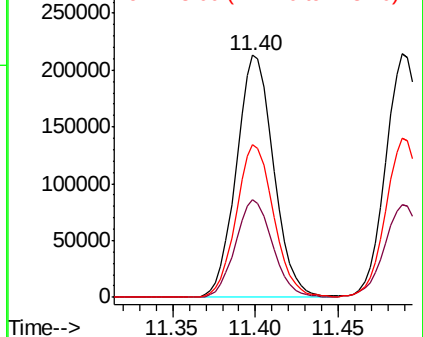


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.075 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

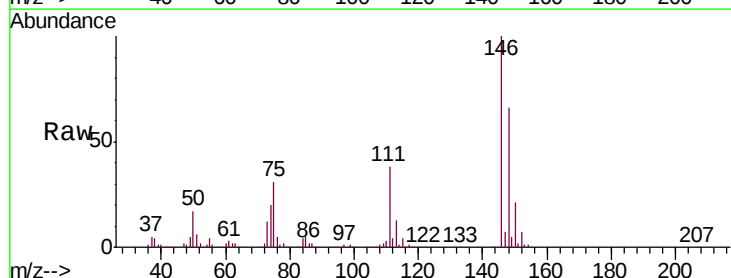
Tgt Ion:146 Resp: 340864

Ion Ratio Lower Upper

146 100

111 38.3 27.0 50.2

148 65.6 44.5 82.7

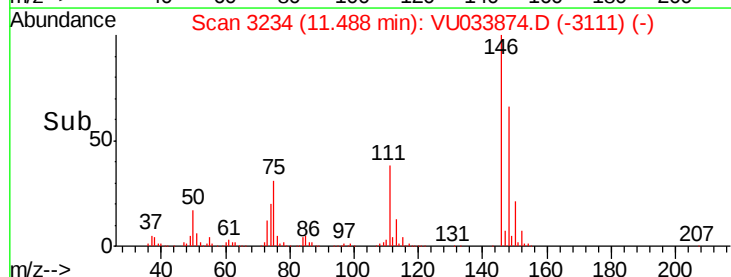
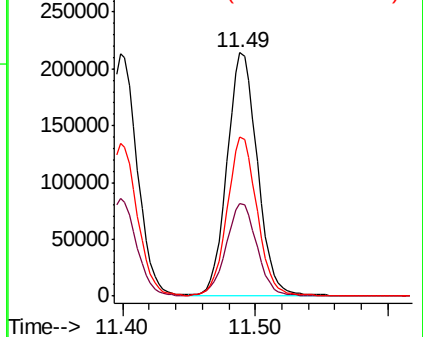


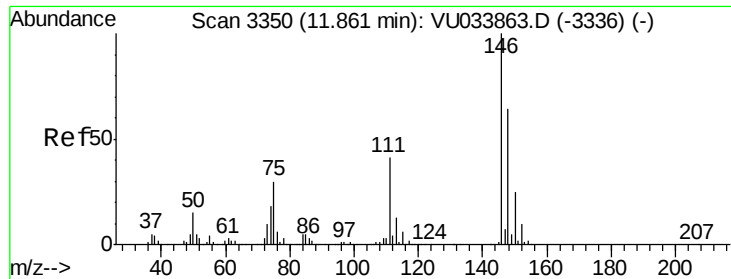
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

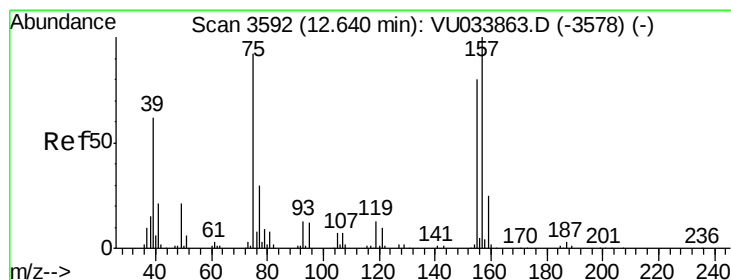
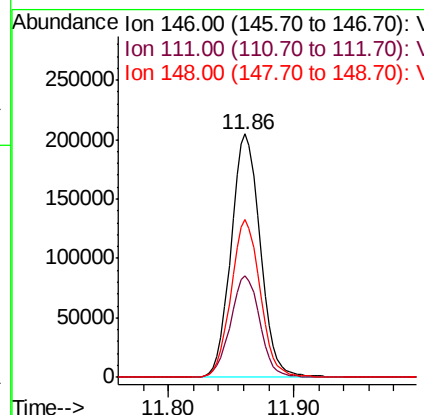
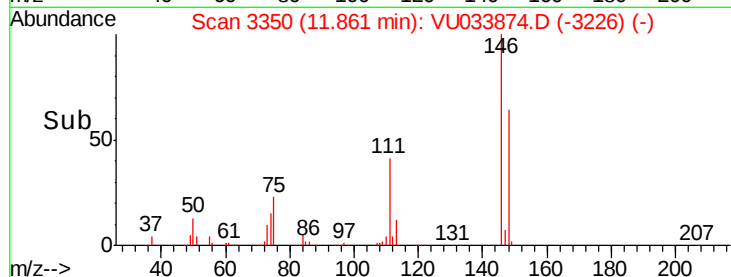
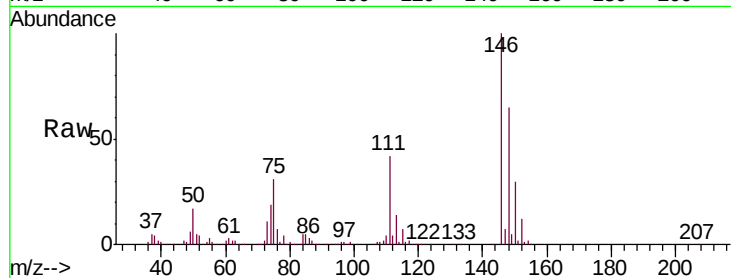




#65
 1,2-Dichlorobenzene
 Concen: 48.213 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033874.D
 Acq: 21 Aug 2019 16:07

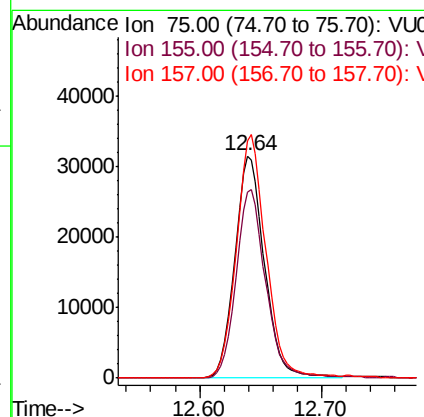
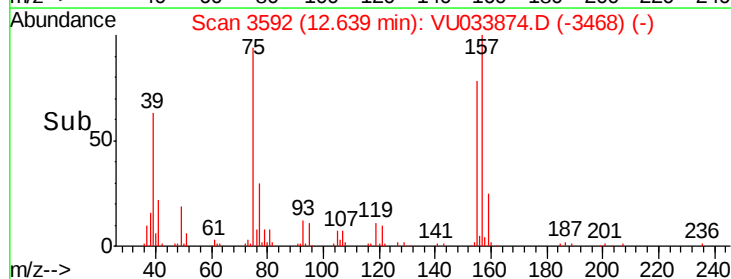
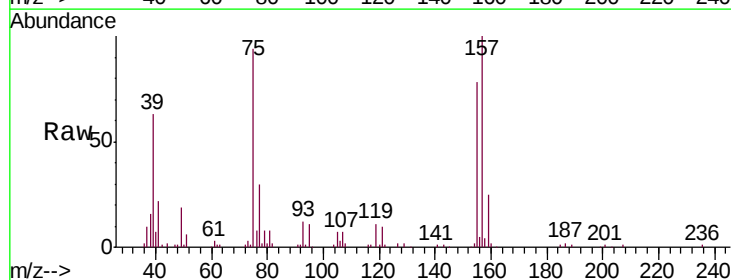
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

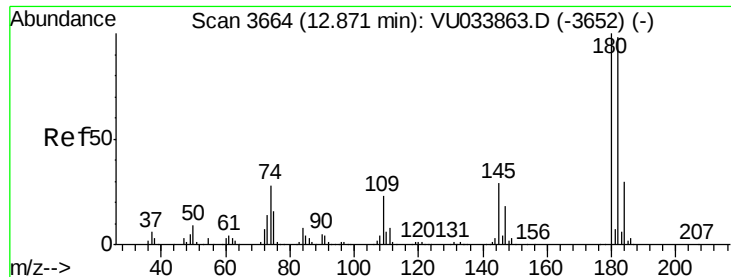
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	33.8	50.6
148	64.7	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.594 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033874.D
 Acq: 21 Aug 2019 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	67.5	101.3
157	106.6	87.7	131.5

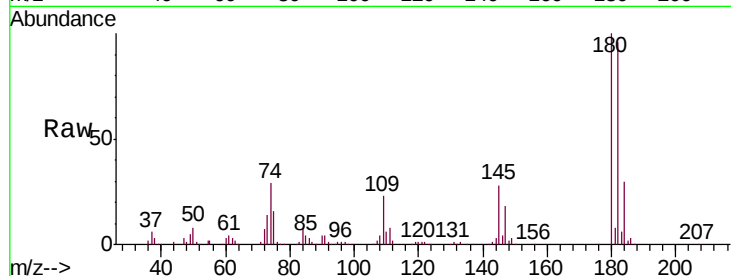




#67
 1,3,5-Trichlorobenzene
 Concen: 47.779 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. -0.00 min
 Lab File: VU033874.D
 Acq: 21 Aug 2019 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.8	113.8
184	30.5	23.8	35.8
145	28.3	22.9	34.3



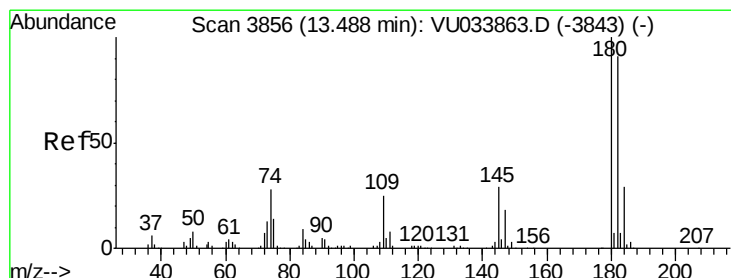
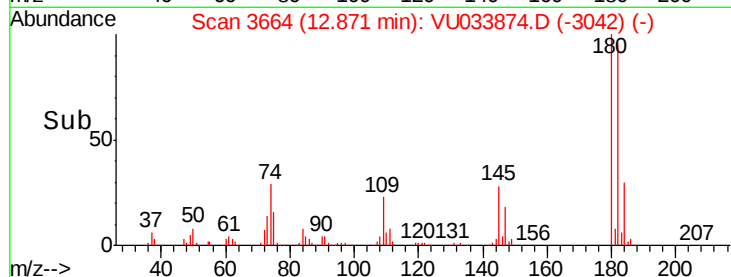
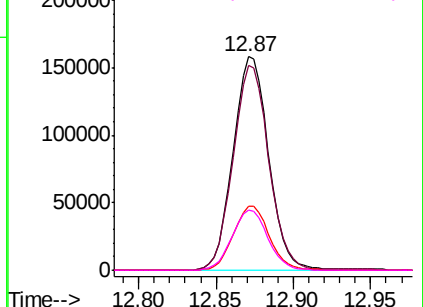
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

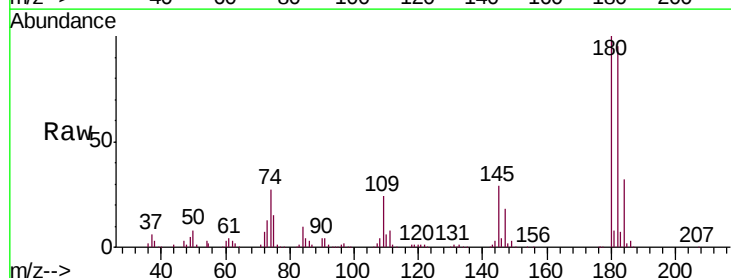
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.145 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033874.D
 Acq: 21 Aug 2019 16:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.2	114.2
145	28.5	23.8	35.8

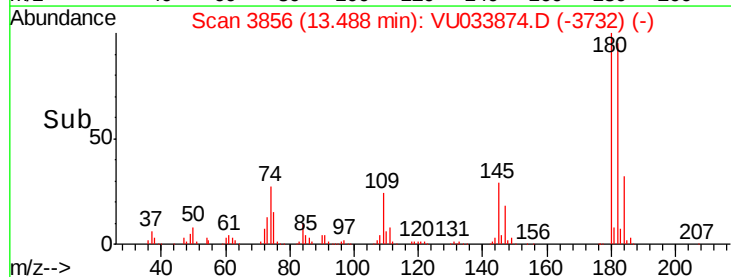
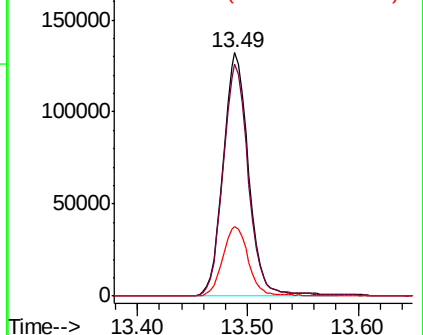


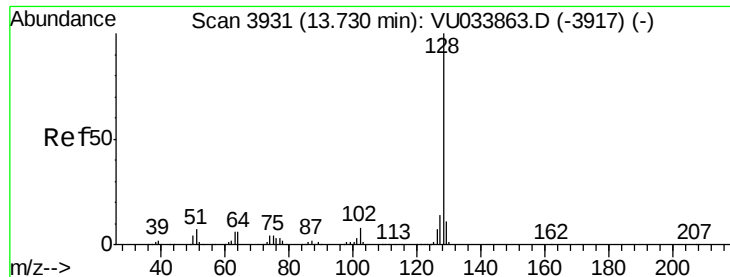
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.360 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

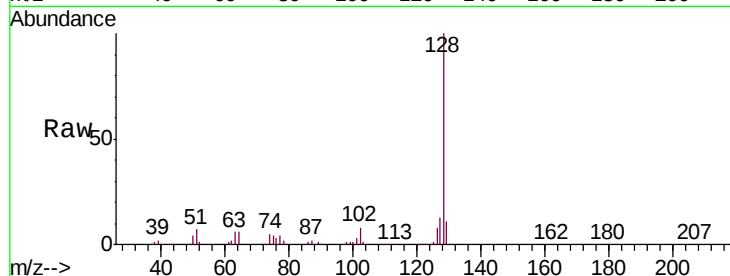
Tgt Ion:128 Resp: 613216

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

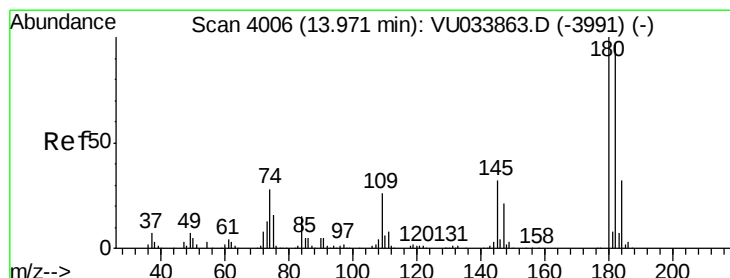
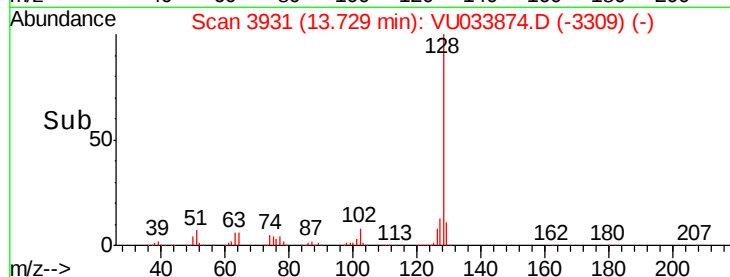
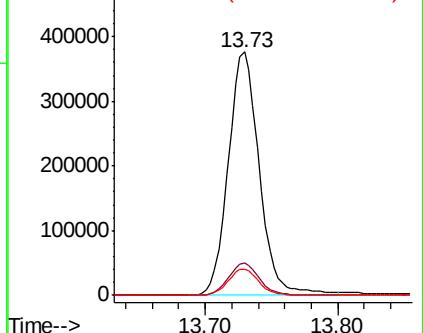
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.334 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033874.D

Acq: 21 Aug 2019 16:07

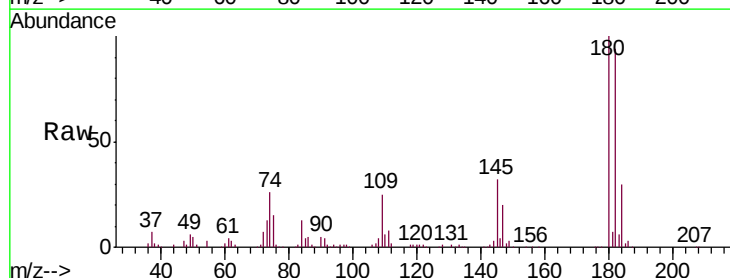
Tgt Ion:180 Resp: 221495

Ion Ratio Lower Upper

180 100

182 96.0 75.9 113.9

145 31.1 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

