

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027768.D
 Acq On : 23 Oct 2018 17:45
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Oct 24 08:03:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	11522	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	4774	1.09	ug/l	0.00
Spiked Amount	1.000		Recovery	=	109.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4243	1.03	ug/l	0.00
Spiked Amount	1.000		Recovery	=	103.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	48686	10.641	ug/l 97
3) Chloromethane	1.33	50	49622	10.145	ug/l 98
4) Vinyl Chloride	1.40	62	46021	10.078	ug/l 98
5) Bromomethane	1.63	94	24553	10.221	ug/l 98
6) Chloroethane	1.70	64	25682	10.372	ug/l 99
7) Trichlorofluoromethane	1.89	101	59900	10.763	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	31201	10.660	ug/l 98
9) 1,1-Dichloroethene	2.29	96	27166	10.571	ug/l 96
10) Iodomethane	2.41	142	39836	11.534	ug/l 100
11) Allyl Chloride	2.59	41	63921	10.507	ug/l 99
12) Acrylonitrile	2.95	53	14772	18.859	ug/l 98
13) Acetone	2.34	43	34926	48.859	ug/l 97
14) Carbon Disulfide	2.48	76	96345	10.071	ug/l 100
15) Methylene Chloride	2.70	84	30990	9.569	ug/l 98
16) trans-1,2-Dichloroethene	2.98	96	30682	10.725	ug/l 97
17) 1,1-Dichloroethane	3.45	63	64473	10.213	ug/l 99
18) 2-Butanone	4.29	43	58237	49.069	ug/l 99
19) Cyclohexane	4.99	56	57301	10.125	ug/l 100
20) Methylcyclohexane	6.41	83	61115	10.650	ug/l 100
21) 2,2-Dichloropropane	4.23	77	59154	10.613	ug/l 100
22) cis-1,2-Dichloroethene	4.23	96	35411	10.339	ug/l 98
23) Diethyl Ether	2.11	59	25038	10.246	ug/l 99
24) tert-Butyl Alcohol	2.86	59	28613	109.768	ug/l # 85
25) Methyl tert-Butyl Ether	3.01	73	85413	10.438	ug/l 98
26) Bromochloromethane	4.55	128	14276	10.391	ug/l 100
27) Chloroform	4.68	83	65129	10.596	ug/l 99
28) 1,1,1-Trichloroethane	4.92	97	58430	10.678	ug/l 99
29) 1,1-Dichloropropene	5.14	75	50653	10.600	ug/l 99
30) Carbon Tetrachloride	5.13	117	51821	10.600	ug/l 98
31) Isopropyl Ether	3.58	45	117847	10.364	ug/l 98
32) Ethyl-t-butyl ether	4.08	59	104745	10.383	ug/l 100
33) Tert-Amyl methyl ether	5.59	73	89249	10.423	ug/l 99
34) Propionitrile	4.35	54	15442	54.569	ug/l 98
35) Benzene	5.39	78	139643	10.457	ug/l 99
36) 1,2-Dichloroethane	5.41	62	46771	10.524	ug/l 99
37) Trichloroethene	6.19	130	34212	10.385	ug/l 98
38) 1,2-Dichloropropane	6.44	63	39401	10.507	ug/l 99
39) Methacrylonitrile	4.56	41	16248	10.397	ug/l 98
40) Methyl acrylate	4.43	55	21210	10.419	ug/l 99
41) Tetrahydrofuran	4.66	42	16593	19.216	ug/l 99
42) 1-Chlorobutane	5.07	56	77864	10.328	ug/l 97

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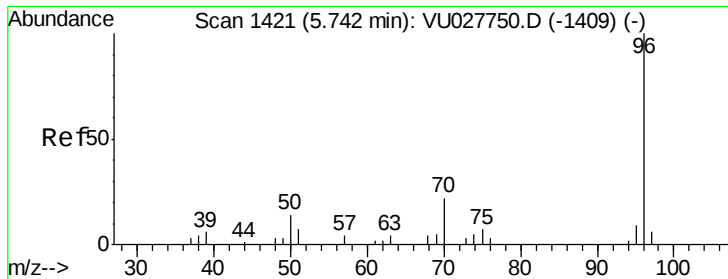
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Oct 24 08:03:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	18701	10.969	ug/l	98
44) Bromodichloromethane	6.76	83	49574	10.711	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	147604	53.336	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	21406m	21.455	ug/l	
47) Methyl methacrylate	6.63	69	38595	21.467	ug/l	98
48) Ethyl methacrylate	8.02	69	40848	10.931	ug/l	99
49) Toluene	7.64	92	85344	10.771	ug/l	100sam
50) t-1,3-Dichloropropene	7.88	75	50494	10.948	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	57916	10.659	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	25170	10.930	ug/l	98
53) 1,3-Dichloropropane	8.24	76	47127	10.653	ug/l	99
54) 2-Hexanone	8.37	43	107201	54.360	ug/l	98
55) Dibromochloromethane	8.48	129	31478	10.874	ug/l	99
56) 1,2-Dibromoethane	8.59	107	24591	10.877	ug/l	99
58) Tetrachloroethene	8.23	164	32437	10.439	ug/l	99
59) Chlorobenzene	9.12	112	90934	10.708	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	33810	10.953	ug/l	99
61) Pentachloroethane	11.10	117	26094	11.333	ug/l	99
62) Hexachloroethane	12.15	117	28201	11.150	ug/l	99
63) Ethyl Benzene	9.25	91	175532	10.913	ug/l	99
64) m/p-Xylenes	9.38	106	123823	21.574	ug/l	99
65) o-Xylene	9.78	106	60144	10.569	ug/l	97
66) Styrene	9.79	104	103009	10.970	ug/l	100
67) Bromoform	9.96	173	18293	10.919	ug/l	98
69) Isopropylbenzene	10.17	105	167456	10.749	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	32953	10.766	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	24917m	10.476	ug/l	
72) Bromobenzene	10.45	156	38456	11.078	ug/l	100
73) n-propylbenzene	10.59	120	44163	10.992	ug/l	95
74) 2-Chlorotoluene	10.66	126	37428	10.878	ug/l	96
75) 1,3,5-Trimethylbenzene	10.77	105	142149	10.935	ug/l	99
76) 4-Chlorotoluene	10.77	126	39391	11.298	ug/l	97
77) tert-Butylbenzene	11.10	119	139466	10.908	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	149032	11.159	ug/l	99
79) sec-Butylbenzene	11.32	105	187086	11.049	ug/l	100
80) Nitrobenzene	12.86	77	6084	53.779	ug/l #	98
81) p-Isopropyltoluene	11.48	119	154655	11.175	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	76024	11.068	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	75125	10.916	ug/l	99
84) n-Butylbenzene	11.89	91	157803	11.738	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	71320	10.882	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	6003	10.559	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	54968	11.542	ug/l	99
88) Hexachlorobutadiene	13.69	225	32079	11.230	ug/l	99
89) Naphthalene	13.74	128	99158	11.087	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	50446	11.132	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1421

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 11522

Ion Ratio Lower Upper

96 100

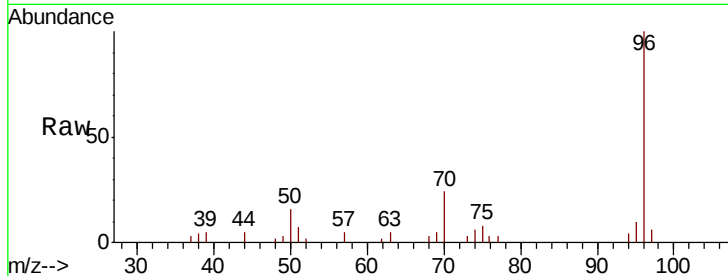
70 23.1 17.7 26.5

95 9.1 7.0 10.6

97 0.0 0.0 0.0

Manual Integrations

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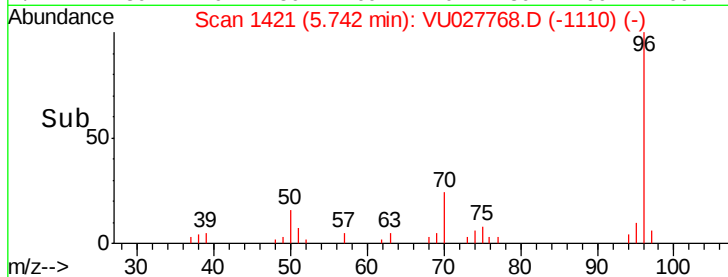
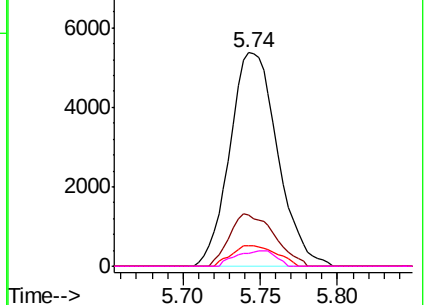


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

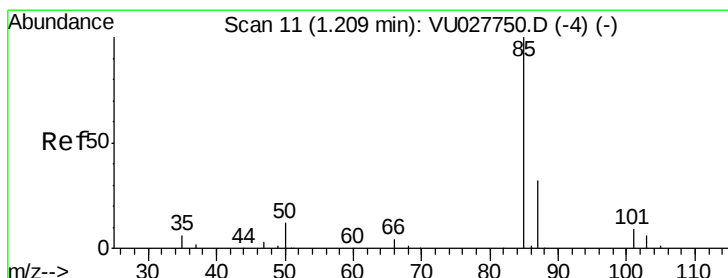
Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



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#2

Dichlorodifluoromethane

Concen: 10.641 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027768.D

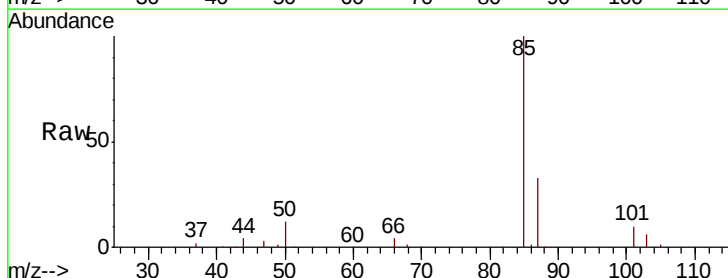
Acq: 23 Oct 2018 17:45

Tgt Ion: 85 Resp: 48686

Ion Ratio Lower Upper

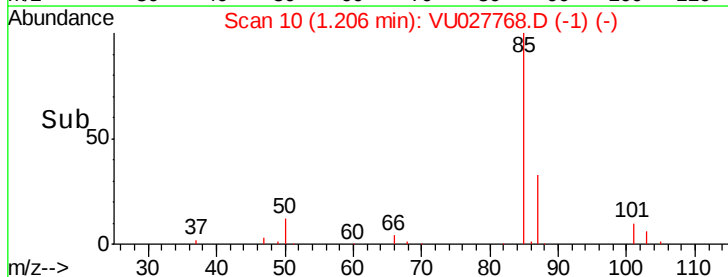
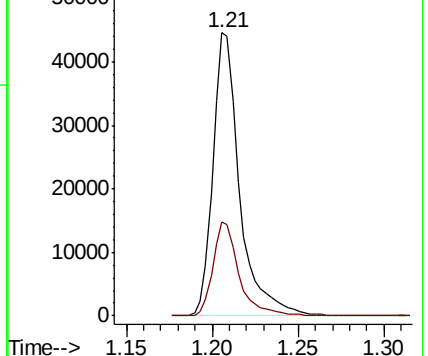
85 100

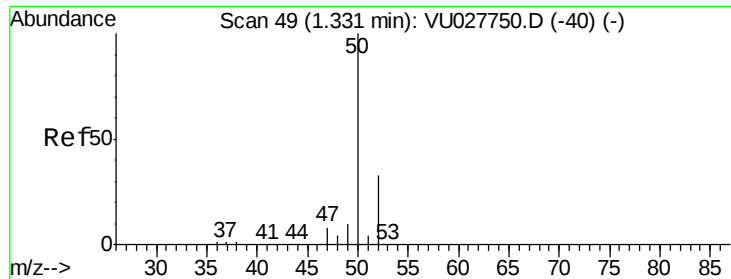
87 33.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 10.145 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

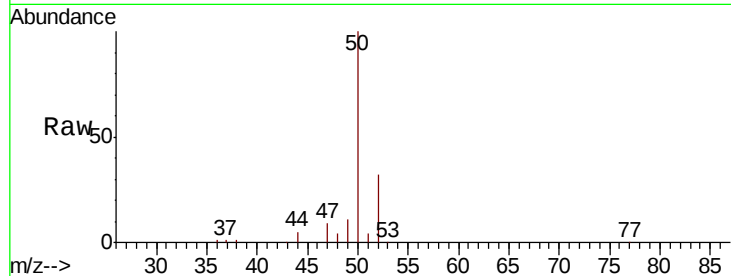
Tot Ion: 50 Resp: 49622

Ion Ratio Lower Upper

50 100

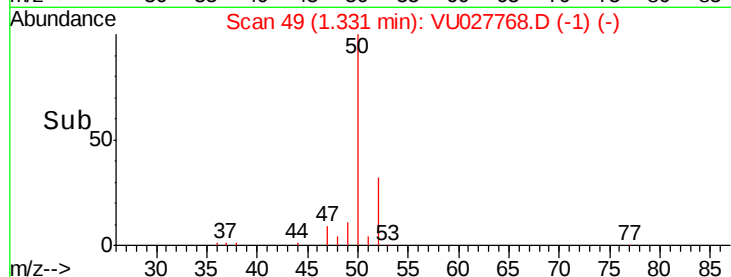
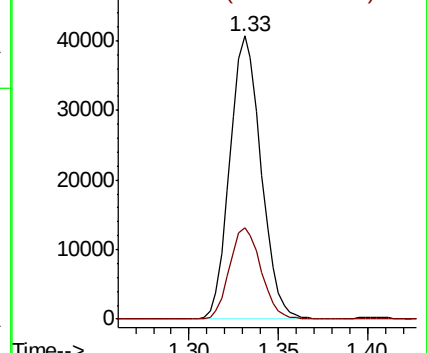
52 32.3 26.6 40.0

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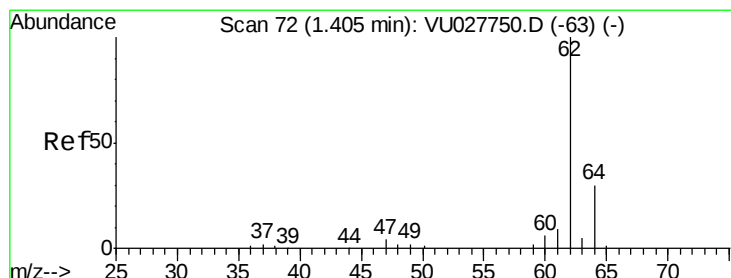
Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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#4

Vinyl Chloride

Concen: 10.078 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027768.D

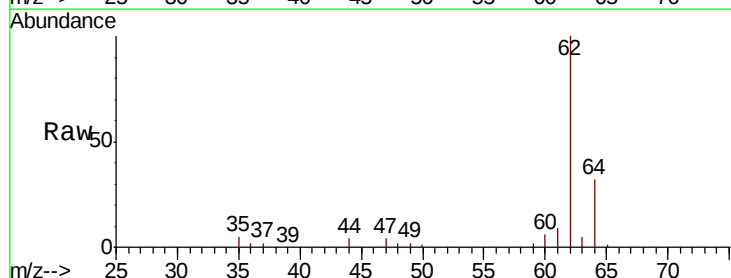
Acq: 23 Oct 2018 17:45

Tgt Ion: 62 Resp: 46021

Ion Ratio Lower Upper

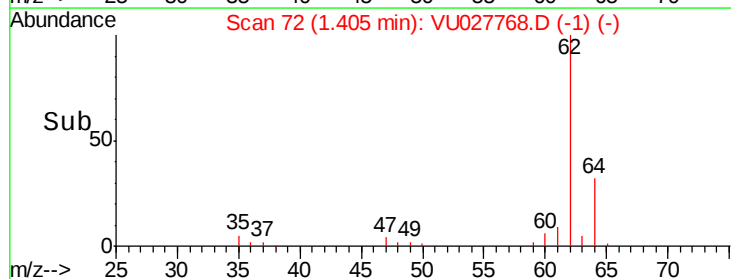
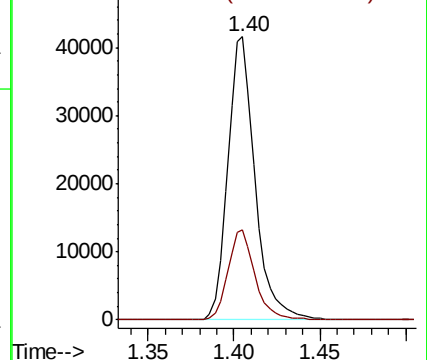
62 100

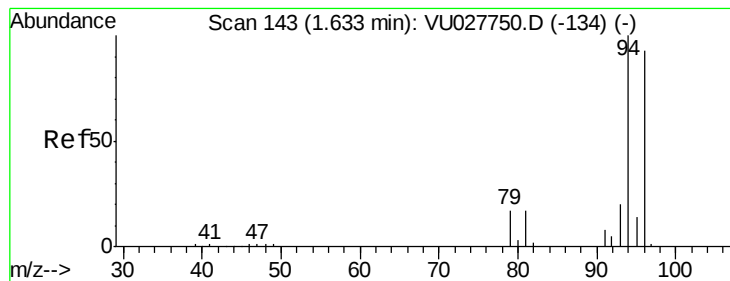
64 31.7 24.3 36.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 10.221 ug/l

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 24553

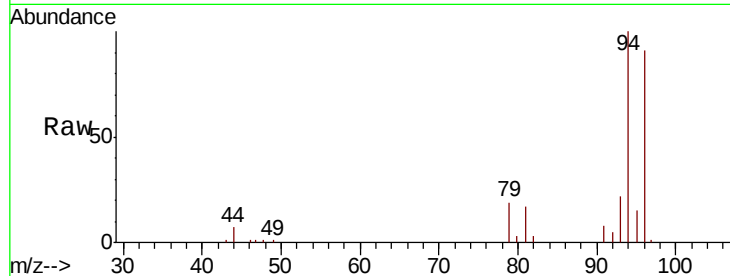
Ion Ratio Lower Upper

94 100

96 90.8 74.2 111.4

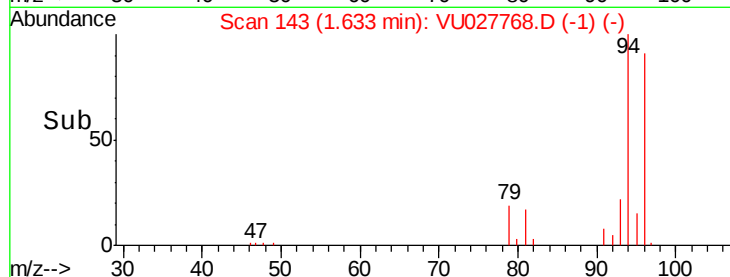
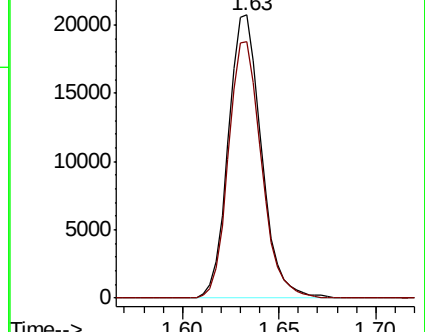
Manual Integrations

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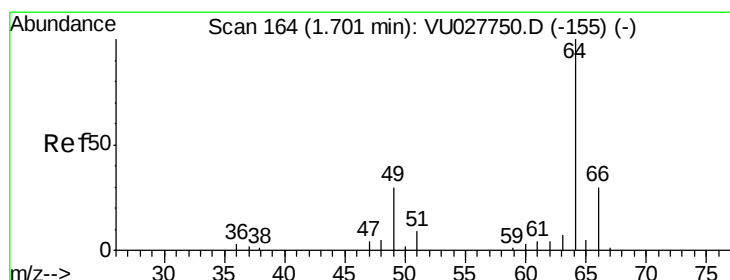
Abundance Ion 94.00 (93.70 to 94.70): VU027768.D (-1) (-)

Ion 96.00 (95.70 to 96.70): VU027768.D (-1) (-)



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#6

Chloroethane

Concen: 10.372 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027768.D

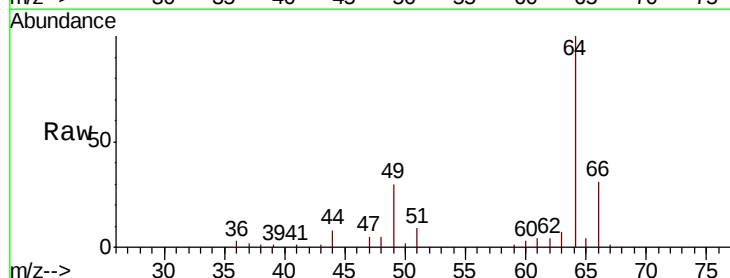
Acq: 23 Oct 2018 17:45

Tgt Ion: 64 Resp: 25682

Ion Ratio Lower Upper

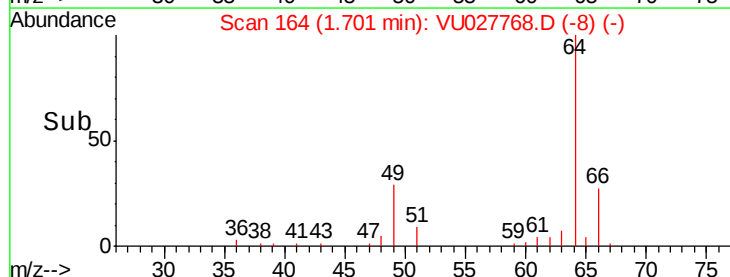
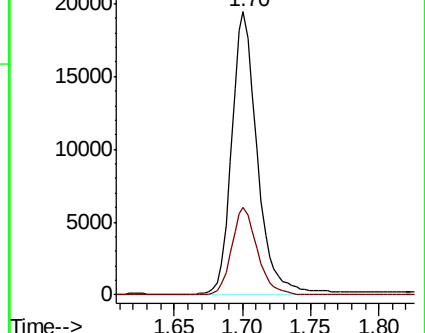
64 100

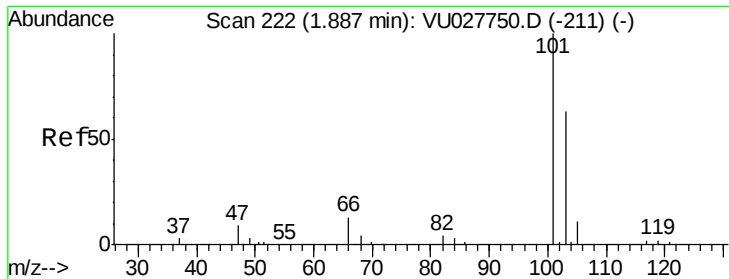
66 30.8 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU027768.D (-8) (-)

Ion 66.00 (65.70 to 66.70): VU027768.D (-8) (-)





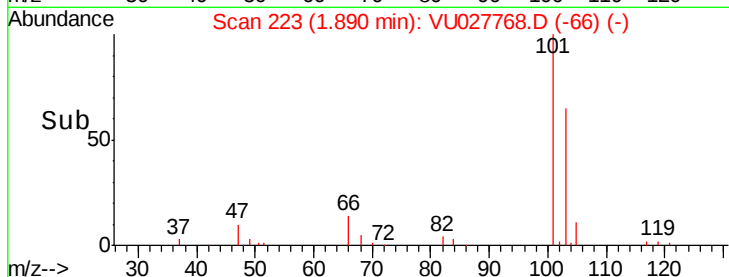
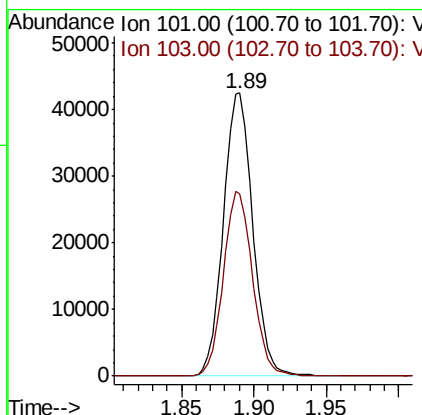
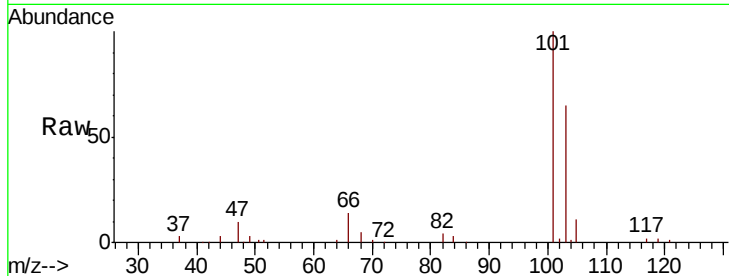
#7

Trichlorofluoromethane
Concen: 10.763 ug/l
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

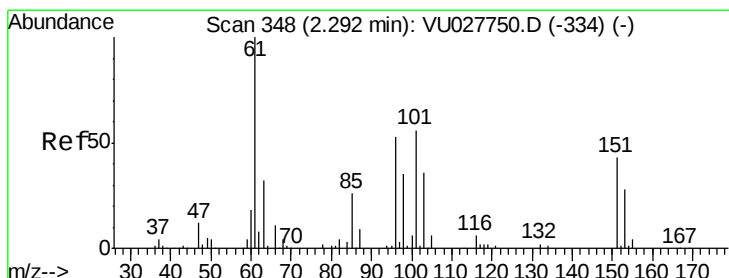
Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.2	75.2

Manual Integrations
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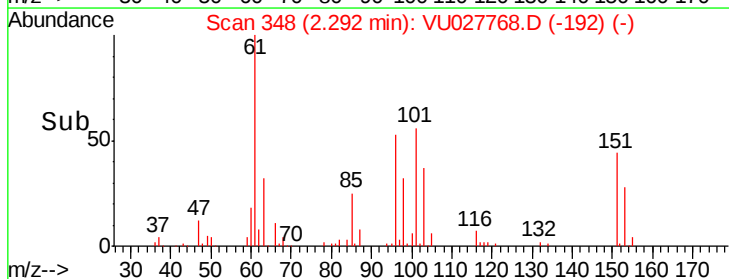
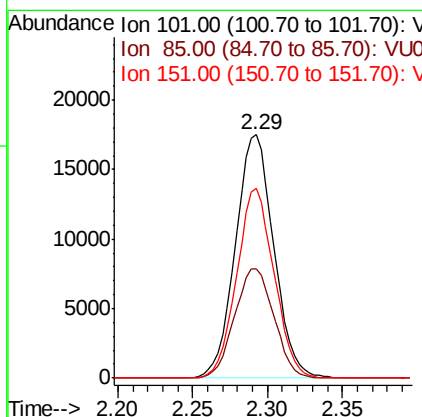
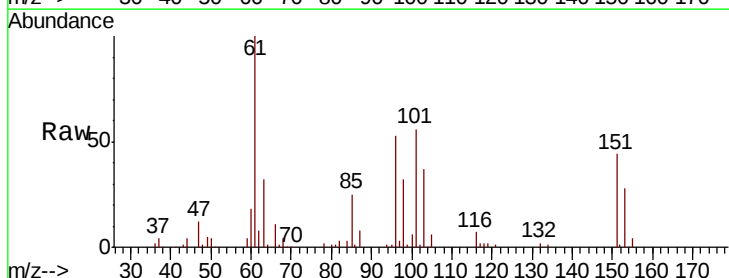
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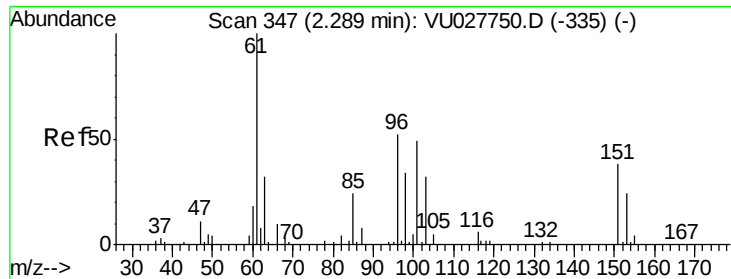


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.660 ug/l
RT: 2.29 min Scan# 348
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.0	38.2	57.2
151	75.9	61.8	92.8





#9

1,1-Dichloroethene

Concen: 10.571 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

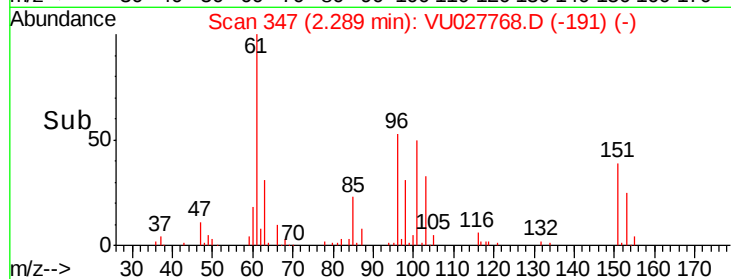
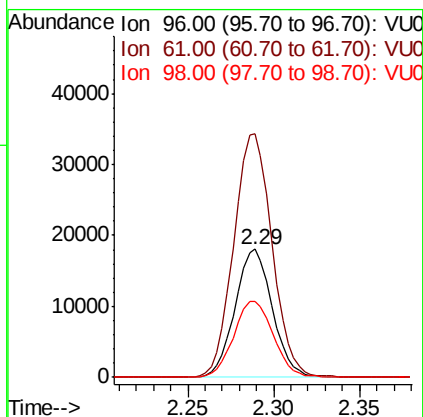
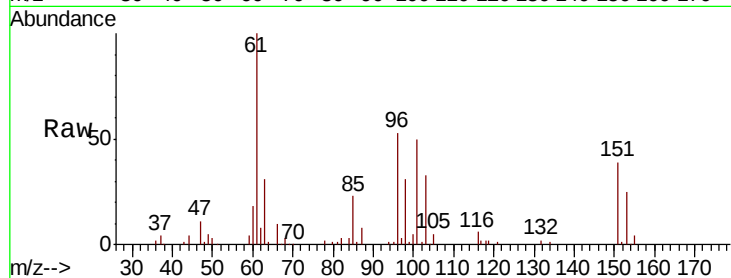
MSVOA_U

ClientSampleId :

VSTDCCC010EC

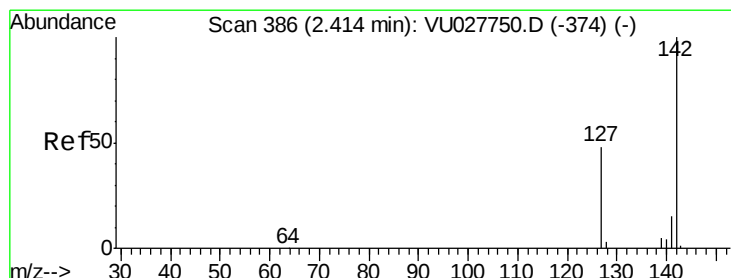
Tot Ion:	96	Resp:	27166
Ion Ratio	Lower	Upper	
96	100		
61	190.1	0.0	581.4
98	59.6	0.0	131.2

Manual Integrations
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#10

Iodomethane

Concen: 11.534 ug/l

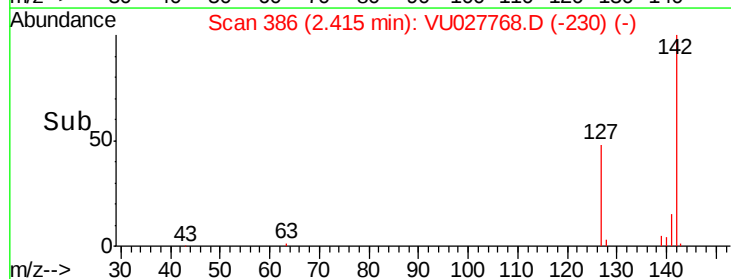
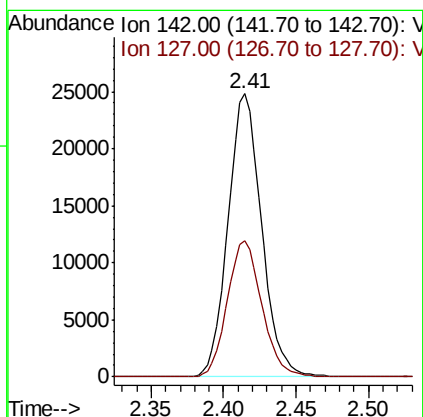
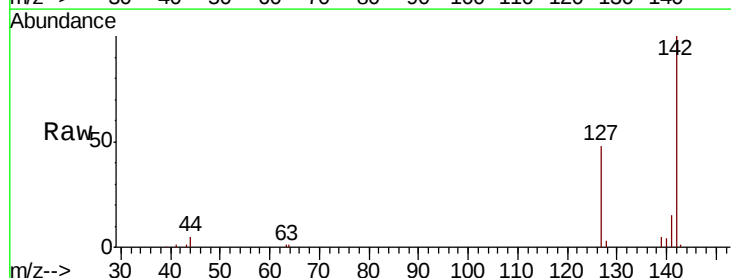
RT: 2.41 min Scan# 386

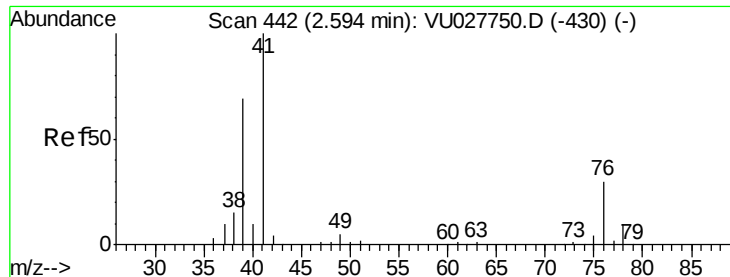
Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Tgt Ion:	142	Resp:	39836
Ion Ratio	Lower	Upper	
142	100		
127	49.2	39.2	58.8



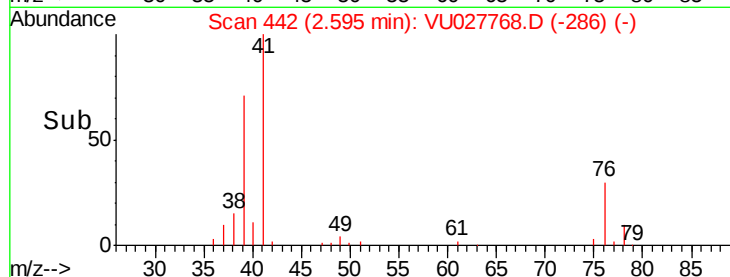
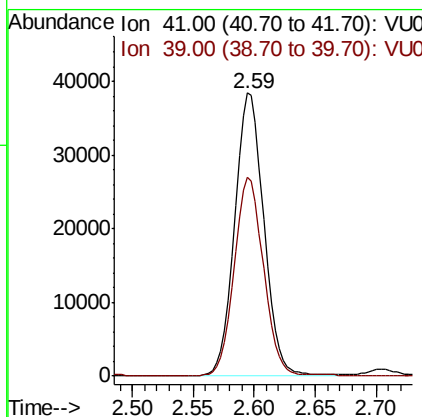
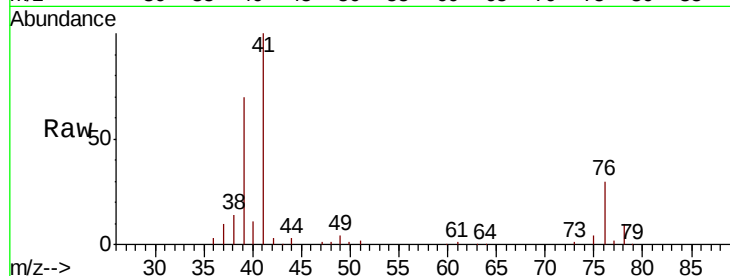


#11
Allvl Chloride
Concen: 10.507 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

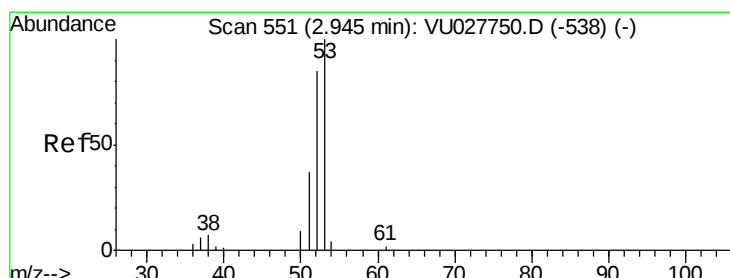
Tot Ion	Ratio	Lower	Upper
41	100		
39	70.3	55.4	83.0

Manual Integrations
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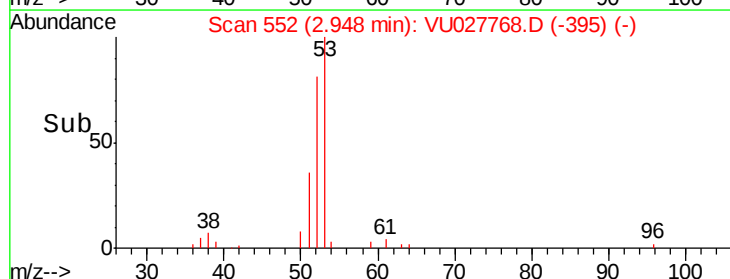
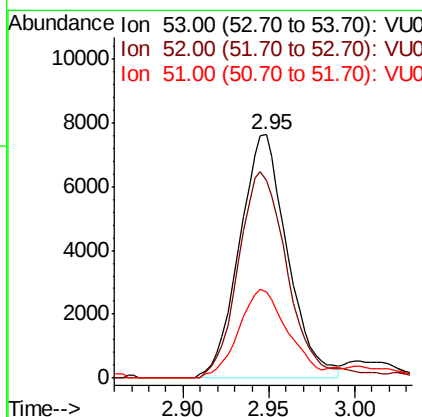
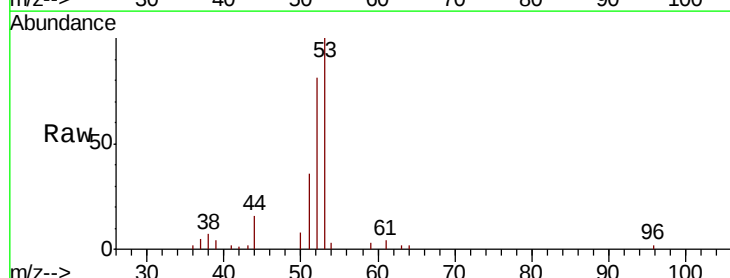
sam

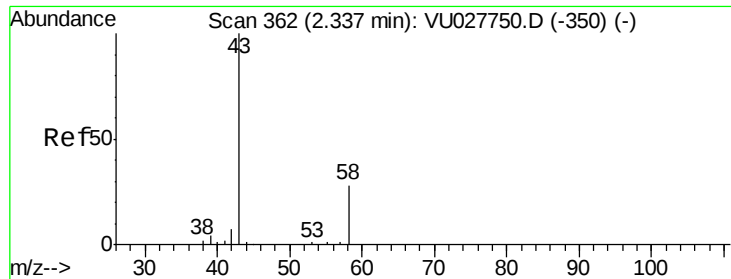
10/24/2018 2:19:50 PM



#12
Acrylonitrile
Concen: 18.859 ug/l
RT: 2.95 min Scan# 552
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
53	100		
52	87.6	67.9	101.9
51	37.2	30.0	45.0





#13

Acetone

Concen: 48.859 ug/l

RT: 2.34 min Scan# 362

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 34926

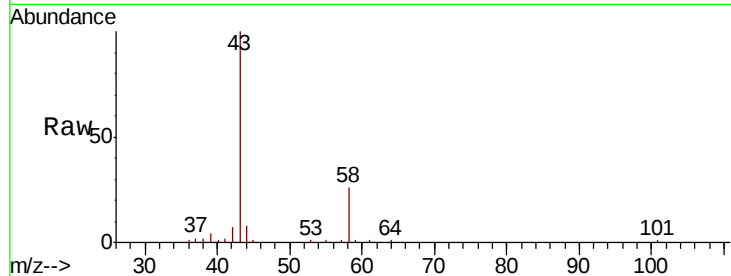
Ion Ratio Lower Upper

43 100

58 26.3 22.3 33.5

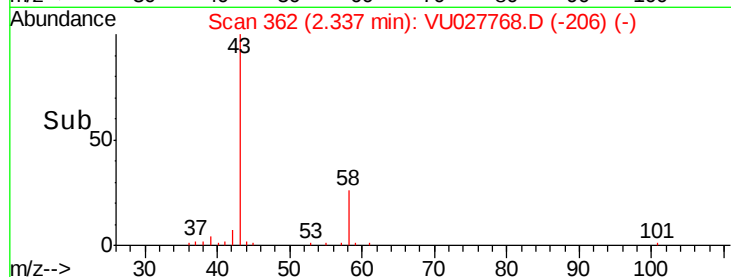
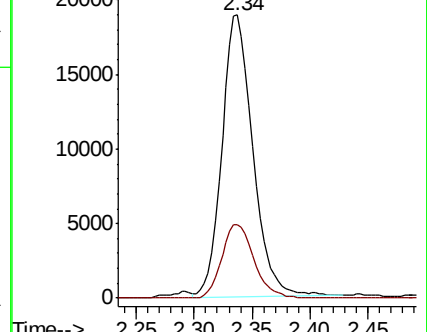
Manual Integrations

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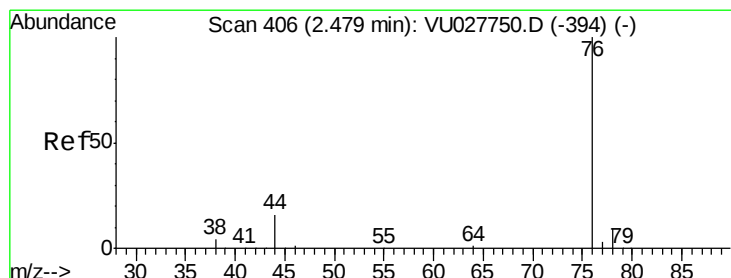
Abundance Ion 43.00 (42.70 to 43.70): VU027750.D (-350) (-)

Ion 58.00 (57.70 to 58.70): VU027750.D (-350) (-)



sam

10/24/2018 2:19:50 PM



#14

Carbon Disulfide

Concen: 10.071 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027768.D

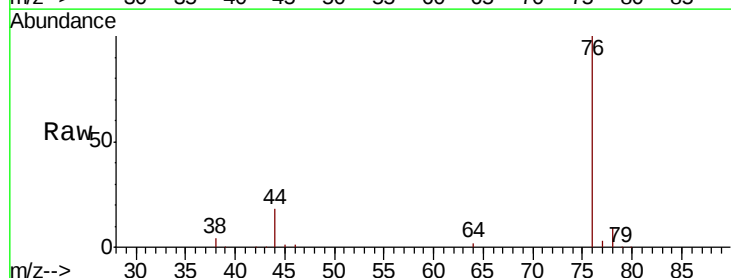
Acq: 23 Oct 2018 17:45

Tgt Ion: 76 Resp: 96345

Ion Ratio Lower Upper

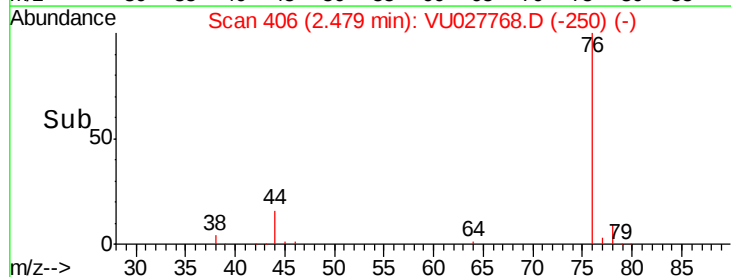
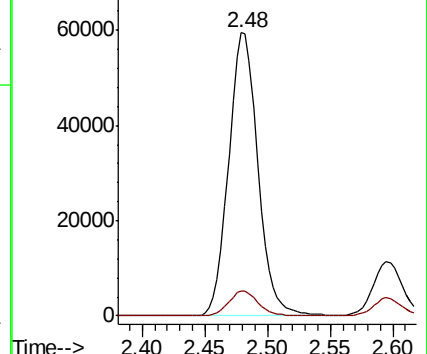
76 100

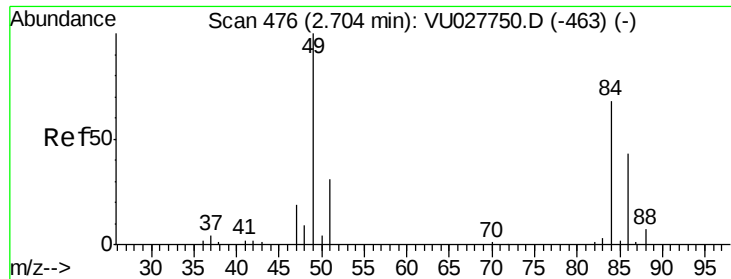
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU027750.D (-394) (-)

Ion 78.00 (77.70 to 78.70): VU027750.D (-394) (-)



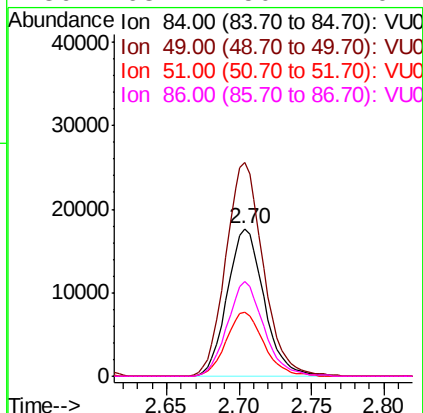
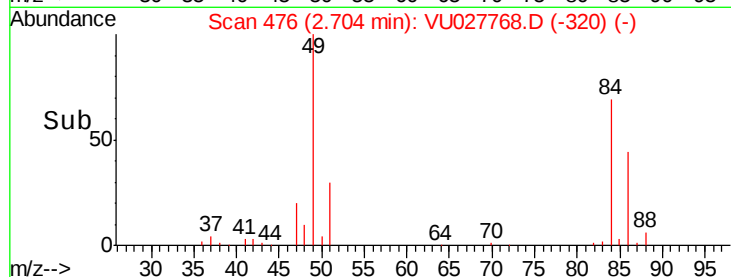
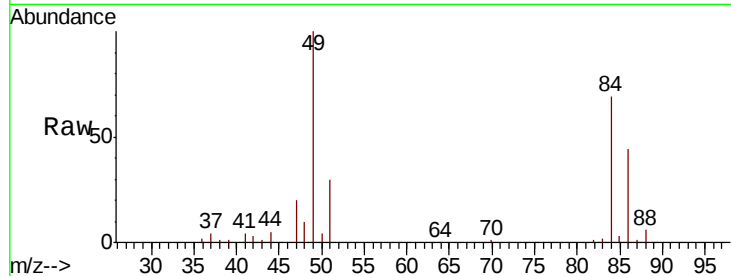


#15
Methvlene Chloride
Concen: 9.569 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

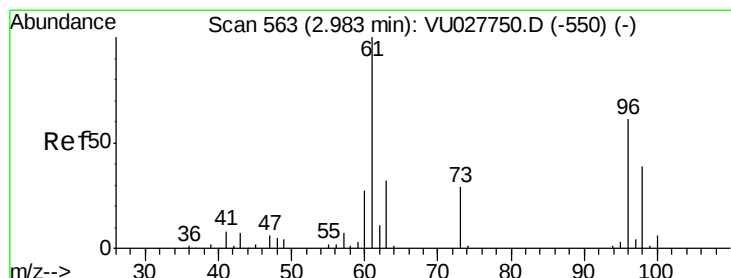
Tot Ion:	84	Resp:	30990
Ion	Ratio	Lower	Upper
84	100		
49	144.5	118.5	177.7
51	42.9	0.0	91.0
86	63.7	50.7	76.1

Manual Integrations
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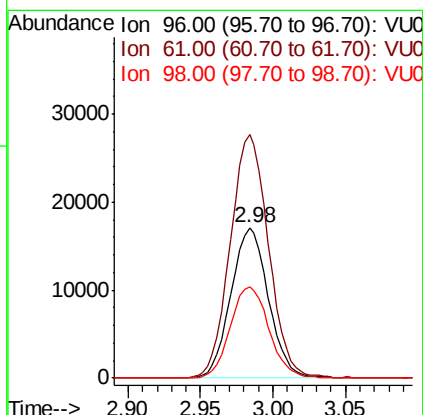
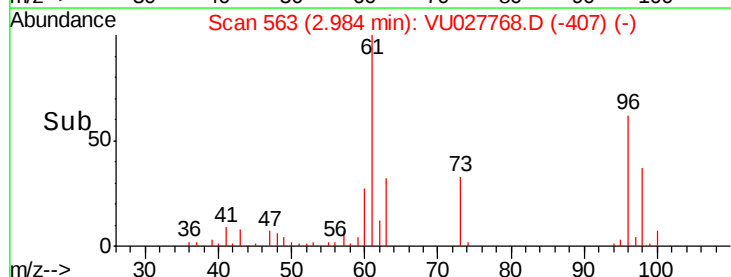
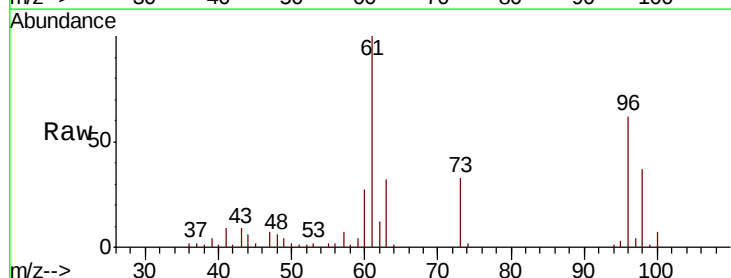
sam

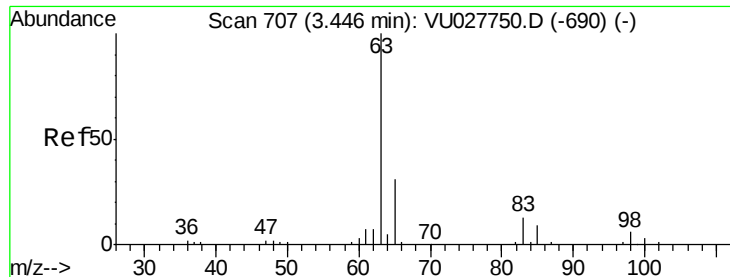
10/24/2018 2:19:50 PM



#16
trans-1,2-Dichloroethene
Concen: 10.725 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion:	96	Resp:	30682
Ion	Ratio	Lower	Upper
96	100		
61	162.1	131.8	197.6
98	60.4	51.2	76.8



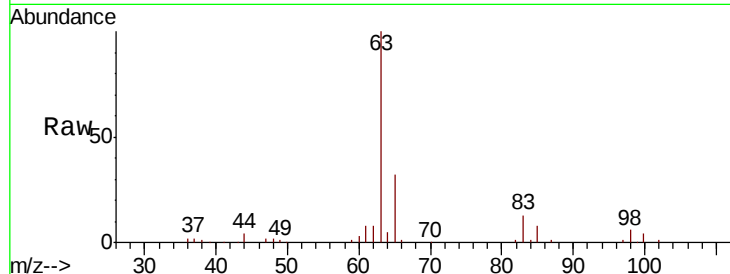


#17
 1,1-Dichloroethane
 Concen: 10.213 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

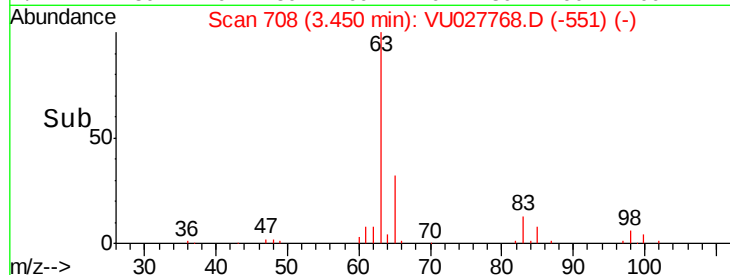
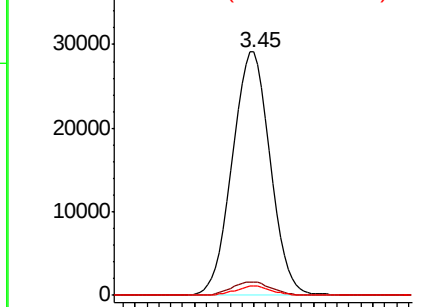
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.8	8.4
100	4.0	1.5	4.5

Manual Integrations
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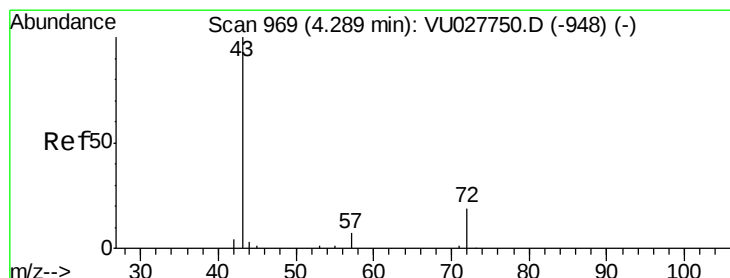


Abundance Ion 63.00 (62.70 to 63.70): VU027750.D (-690) (-)
 Ion 98.00 (97.70 to 98.70): VU027750.D (-690) (-)
 Ion 100.00 (99.70 to 100.70): VU027750.D (-690) (-)



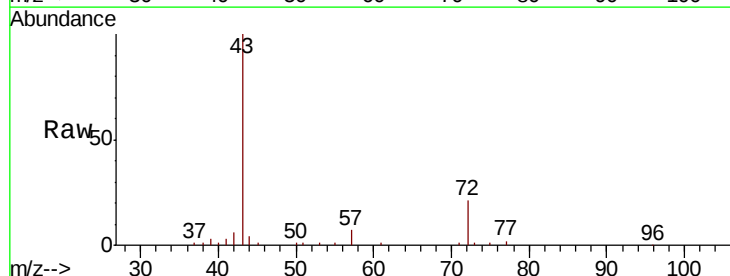
sam

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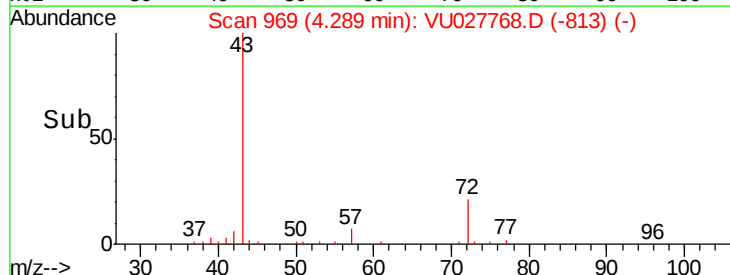
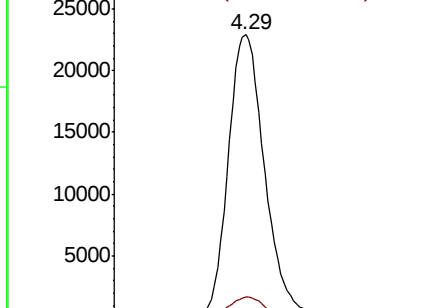


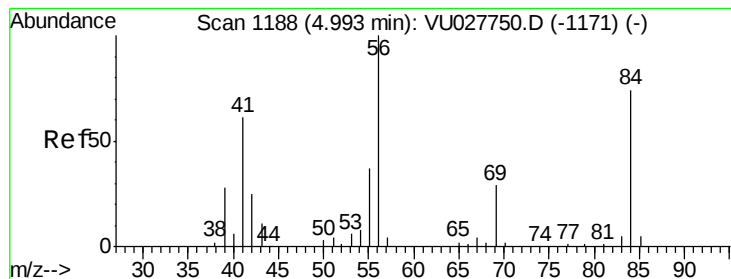
#18
 2-Butanone
 Concen: 49.069 ug/l
 RT: 4.29 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.4	0.0	14.4



Abundance Ion 43.00 (42.70 to 43.70): VU027750.D (-948) (-)
 Ion 57.00 (56.70 to 57.70): VU027750.D (-948) (-)





#19

Cyclohexane

Concen: 10.125 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

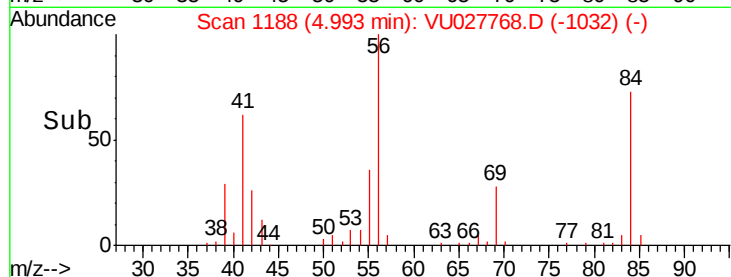
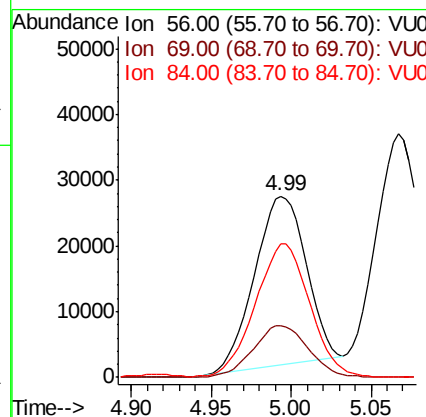
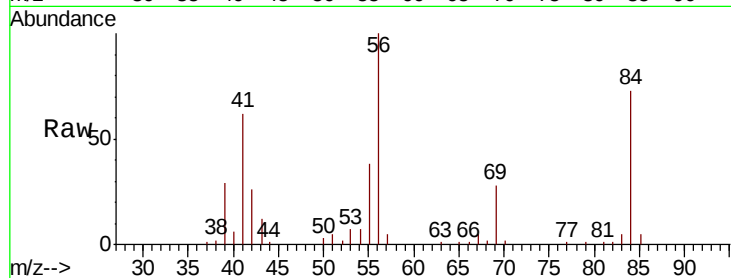
MSVOA_U

ClientSampleId :

VSTDCCC010EC

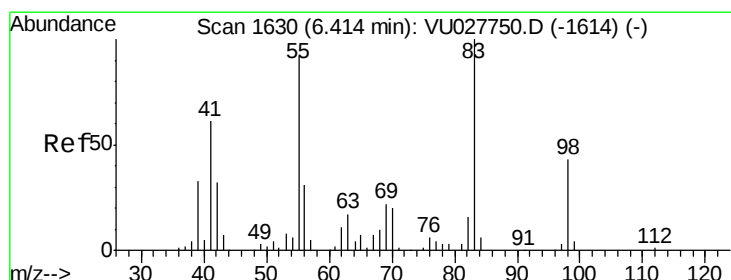
Tot Ion:	56	Resp:	57301
Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.9	38.9
84	82.4	65.9	98.9

Manual Integrations
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sam

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#20

Methylcyclohexane

Concen: 10.650 ug/l

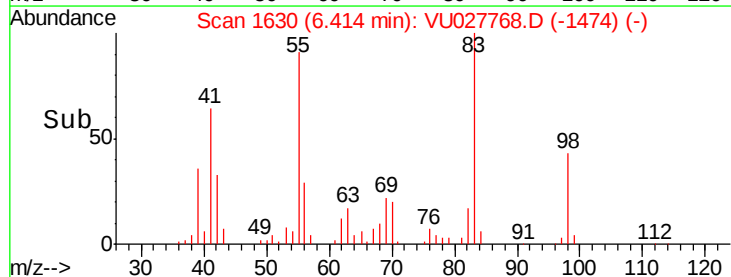
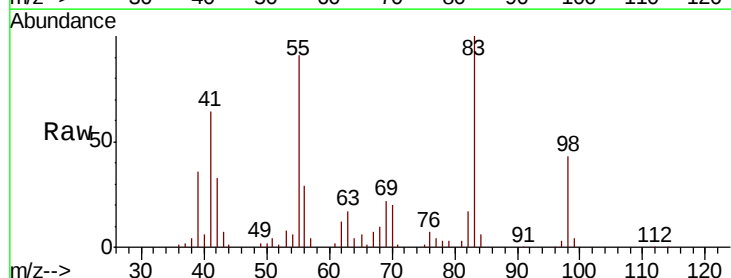
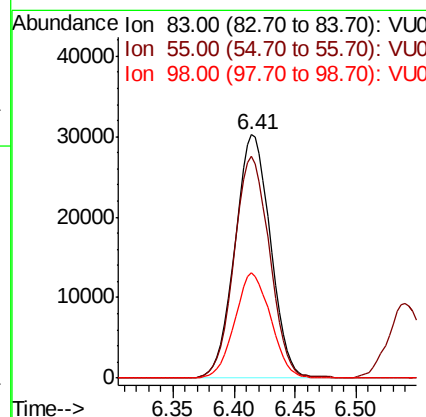
RT: 6.41 min Scan# 1630

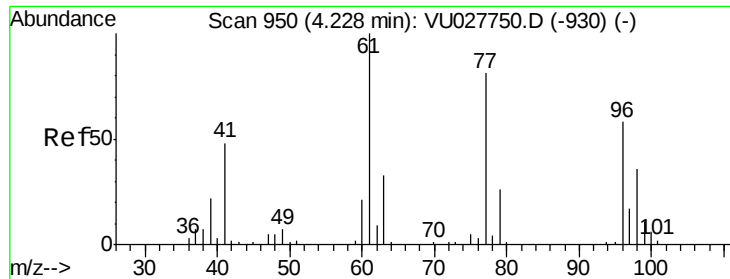
Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Tgt Ion:	83	Resp:	61115
Ion	Ratio	Lower	Upper
83	100		
55	91.3	72.6	108.8
98	43.5	35.0	52.4



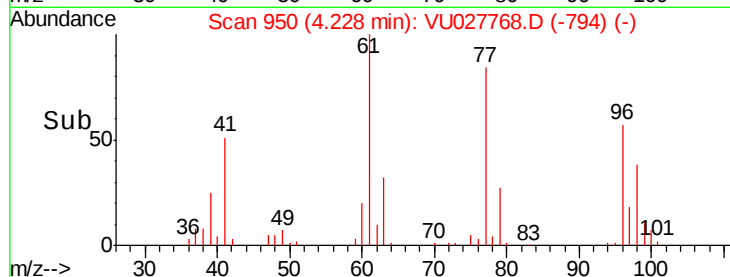
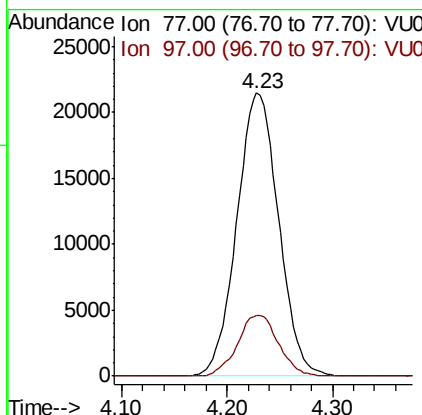
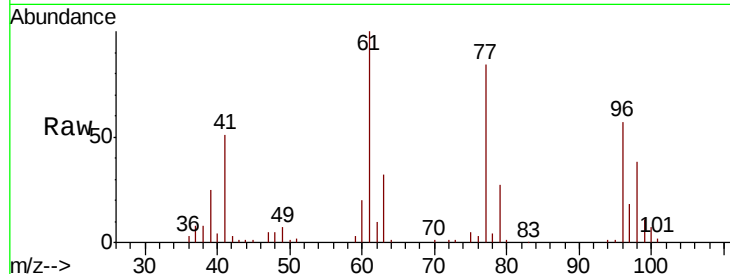


#21
 2,2-Dichloropropane
 Concen: 10.613 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

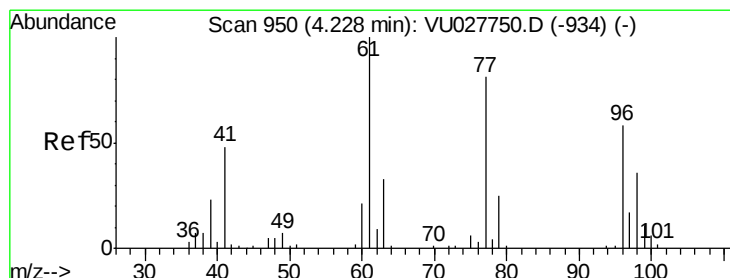
Tot Ion: 77 Resp: 59154
 Ion Ratio Lower Upper
 77 100
 97 21.0 16.9 25.3

Manual Integrations
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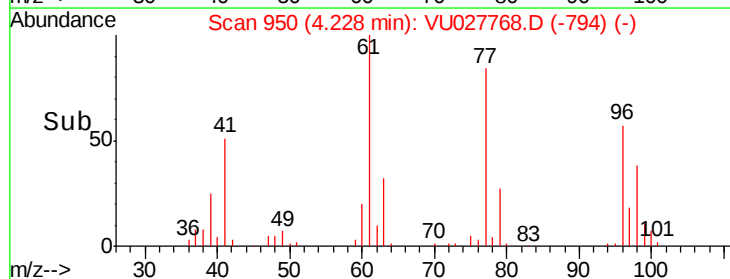
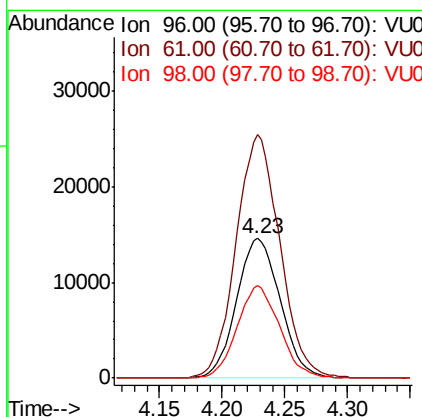
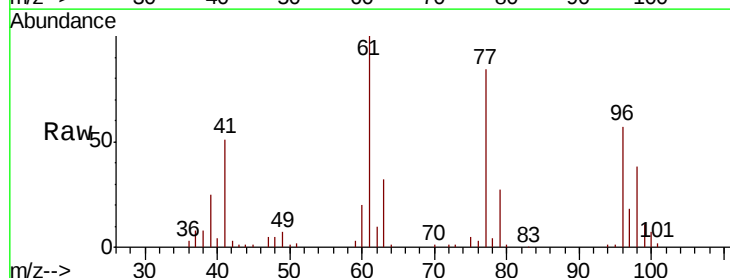
sam

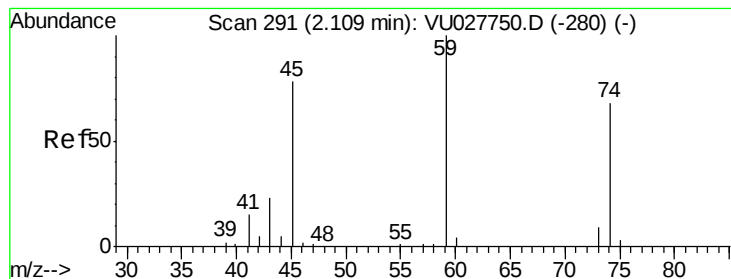
10/24/2018 2:19:50 PM



#22
 cis-1,2-Dichloroethene
 Concen: 10.339 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Tgt Ion: 96 Resp: 35411
 Ion Ratio Lower Upper
 96 100
 61 174.4 0.0 444.0
 98 64.1 31.9 95.5





#23

Diethyl Ether

Concen: 10.246 ug/l

RT: 2.11 min Scan# 291

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

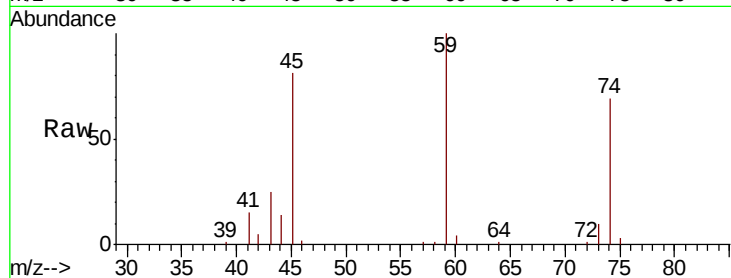
MSVOA_U

ClientSampleId :

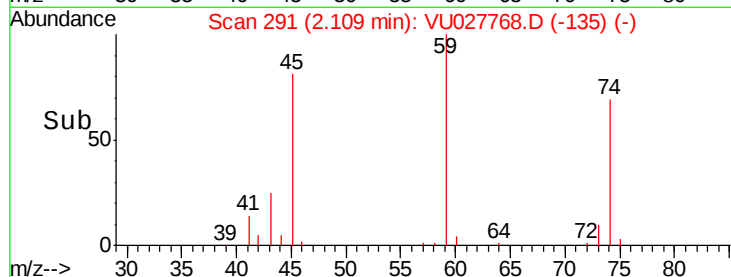
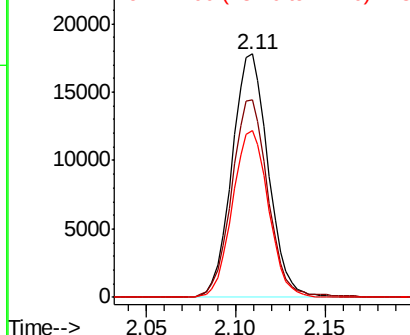
VSTDCCC010EC

Tot Ion:	59	Resp:	25038
Ion	Ratio	Lower	Upper
59	100		
45	81.7	64.6	96.8
74	68.2	54.8	82.2

Manual Integrations
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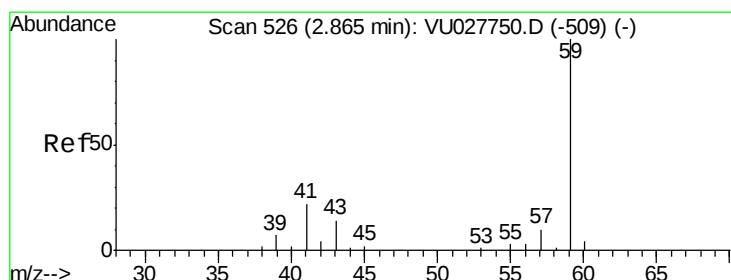


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



sam

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#24

tert-Butyl Alcohol

Concen: 109.768 ug/l

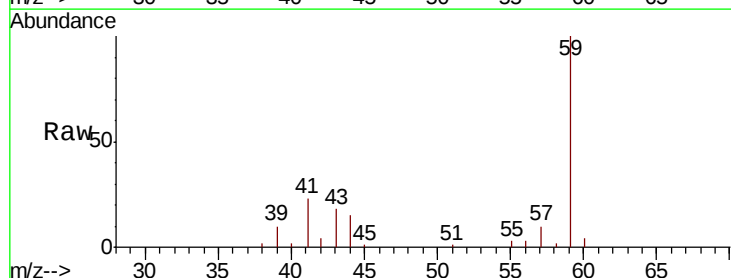
RT: 2.86 min Scan# 526

Delta R.T. 0.00 min

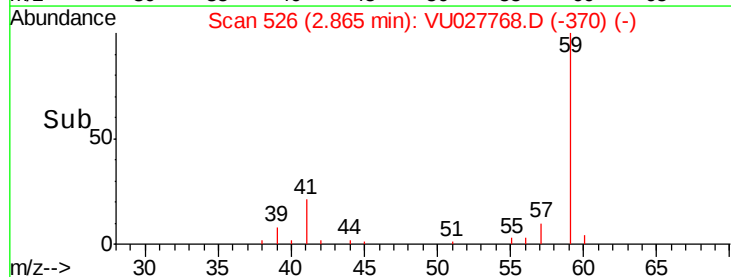
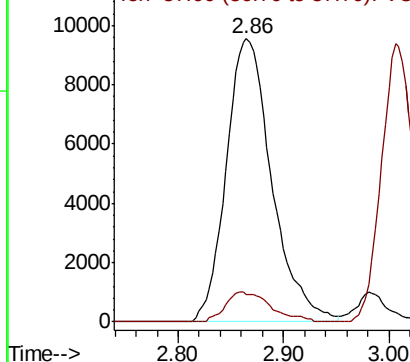
Lab File: VU027768.D

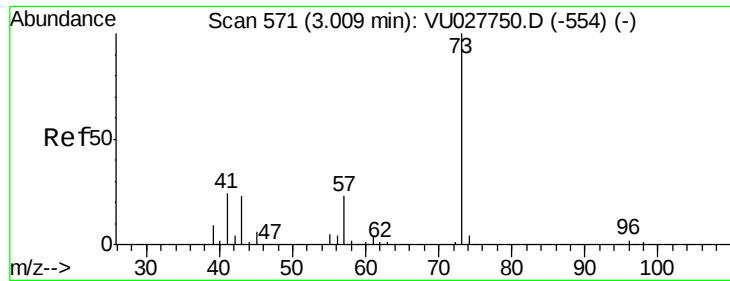
Acq: 23 Oct 2018 17:45

Tgt Ion:	59	Resp:	28613
Ion	Ratio	Lower	Upper
59	100		
57	10.5	4.4	6.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



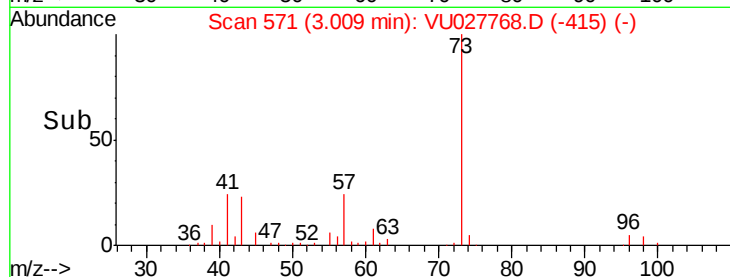
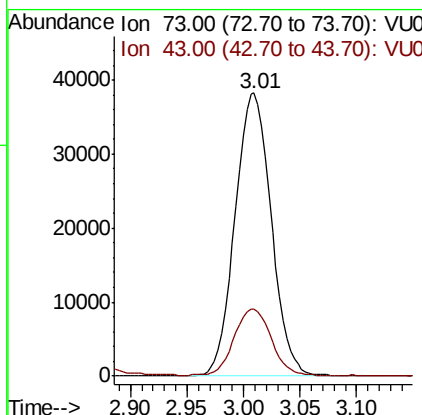
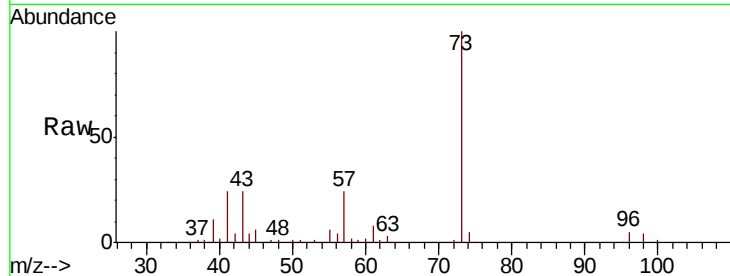


#25
Methvl tert-Butvl Ether
Concen: 10.438 ug/l
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

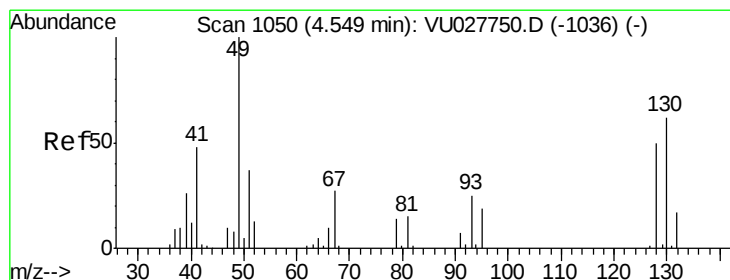
Tot Ion: 73 Resp: 85413
Ion Ratio Lower Upper
73 100
43 24.0 18.6 27.8

Manual Integrations
APPROVED



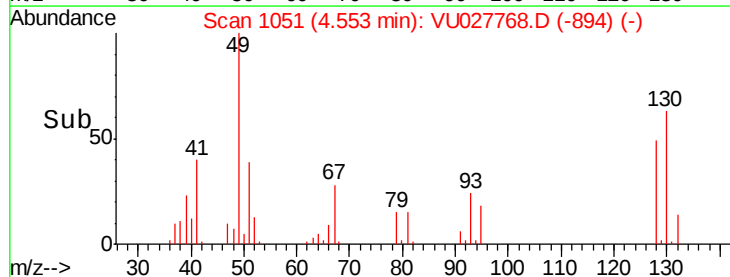
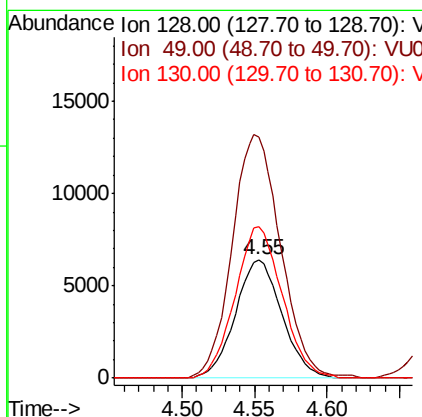
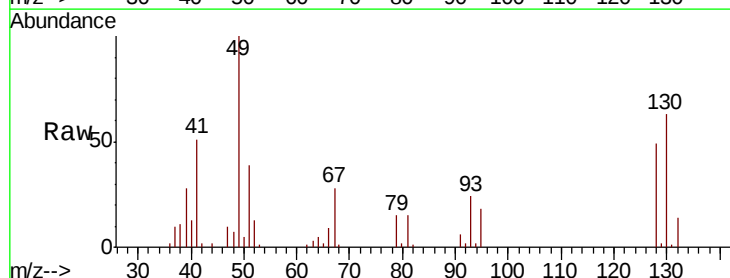
sam

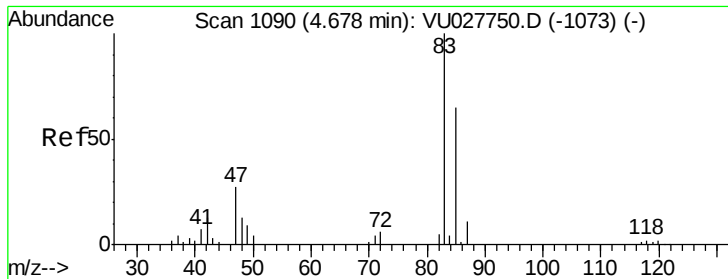
10/24/2018 2:19:50 PM



#26
Bromochloromethane
Concen: 10.391 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion: 128 Resp: 14276
Ion Ratio Lower Upper
128 100
49 214.2 0.0 427.6
130 129.5 103.4 155.0



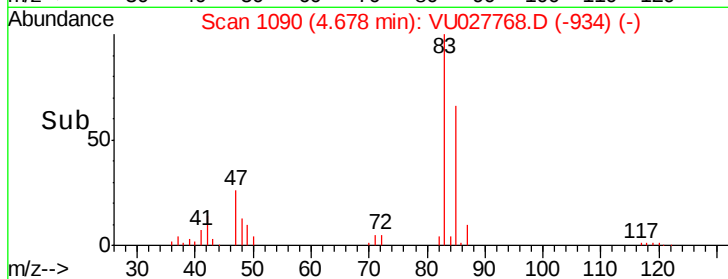
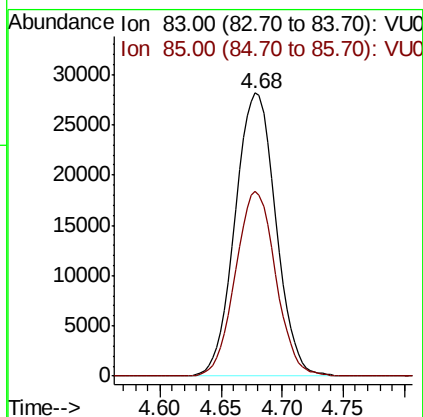
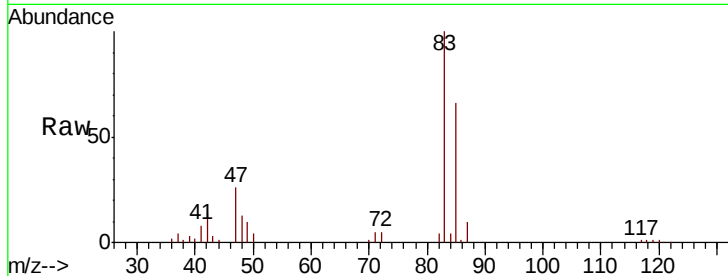


#27
Chloroform
Concen: 10.596 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

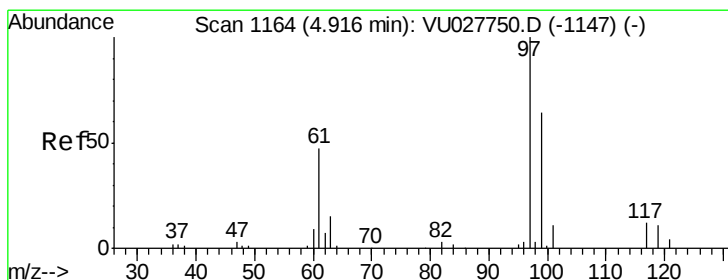
Tot Ion	83	Resp	65129
Ion	Ratio	Lower	Upper
83	100		
85	65.5	0.0	130.2

Manual Integrations
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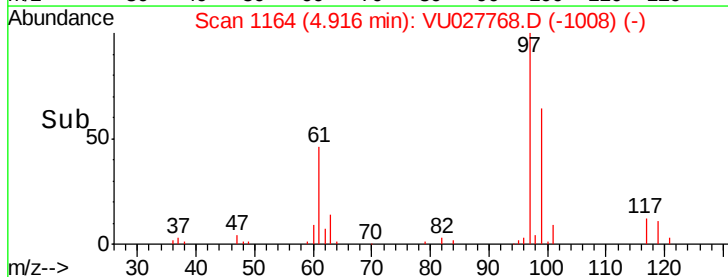
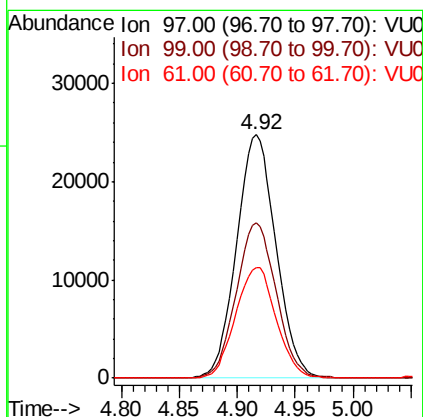
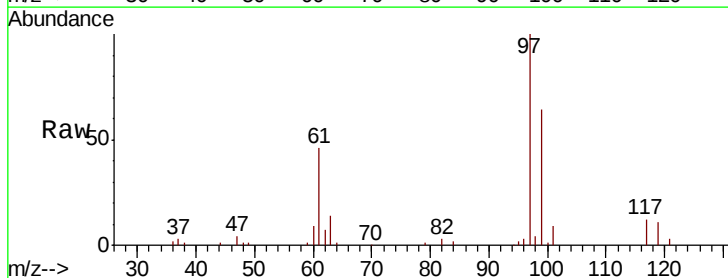
sam

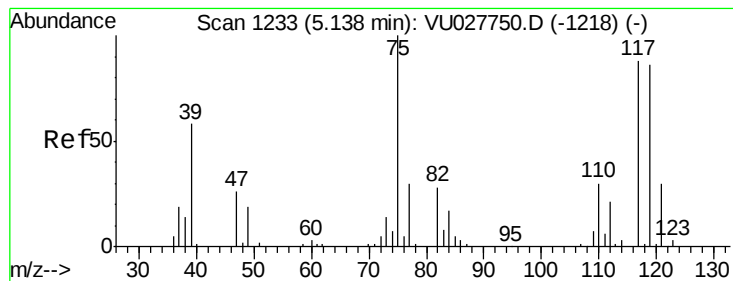
10/24/2018 2:19:50 PM



#28
1,1,1-Trichloroethane
Concen: 10.678 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion	97	Resp	58430
Ion	Ratio	Lower	Upper
97	100		
99	64.6	31.8	95.4
61	46.8	23.6	70.8





#29

1,1-Dichloropropene

Concen: 10.600 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 50653

Ion Ratio Lower Upper

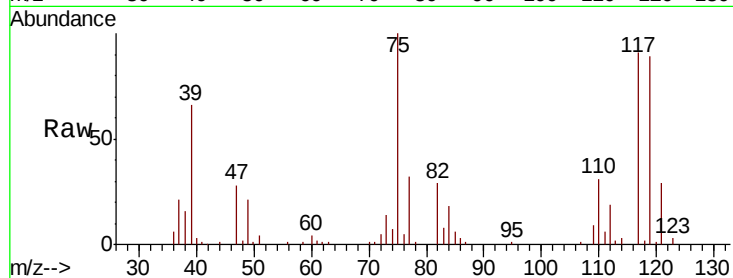
75 100

110 30.7 15.6 46.8

77 30.7 24.5 36.7

Manual Integrations

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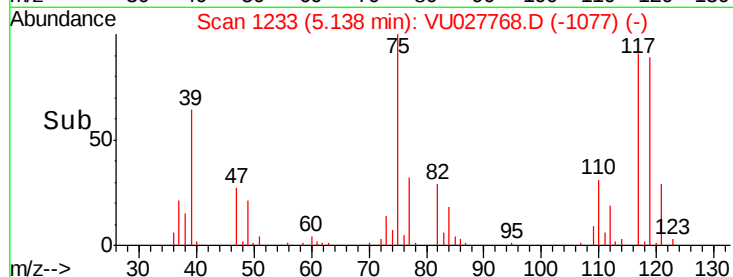


Abundance Ion 75.00 (74.70 to 75.70): VU027750.D (-1218) (-)

Ion 110.00 (109.70 to 110.70): VU027750.D (-1218) (-)

Ion 77.00 (76.70 to 77.70): VU027750.D (-1218) (-)

Time-->



Abundance

Ion 75.00 (74.70 to 75.70): VU027768.D (-1077) (-)

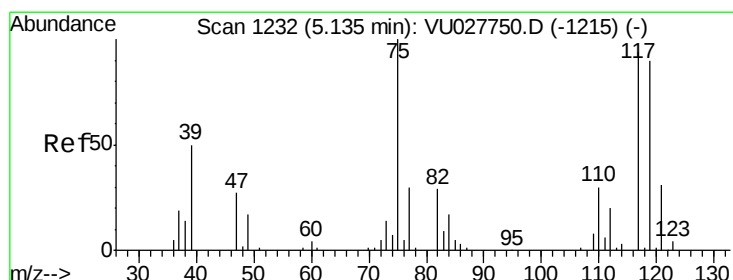
Ion 110.00 (109.70 to 110.70): VU027768.D (-1077) (-)

Ion 77.00 (76.70 to 77.70): VU027768.D (-1077) (-)

Time-->

sam

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#30

Carbon Tetrachloride

Concen: 10.600 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

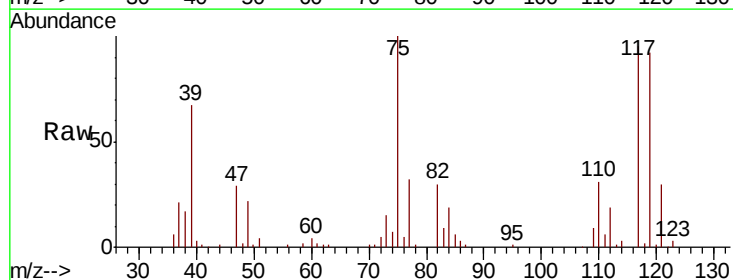
Tgt Ion: 117 Resp: 51821

Ion Ratio Lower Upper

117 100

119 96.8 76.2 114.4

121 31.1 26.4 39.6

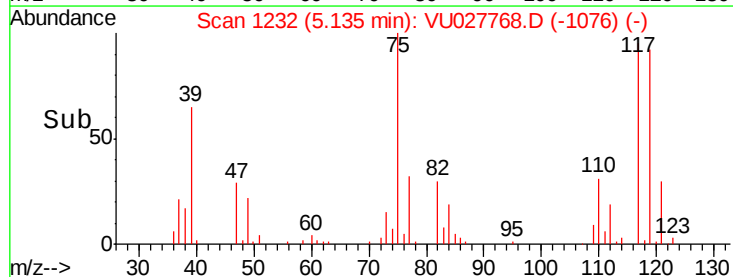


Abundance Ion 117.00 (116.70 to 117.70): VU027750.D (-1215) (-)

Ion 119.00 (118.70 to 119.70): VU027750.D (-1215) (-)

Ion 121.00 (120.70 to 121.70): VU027750.D (-1215) (-)

Time-->



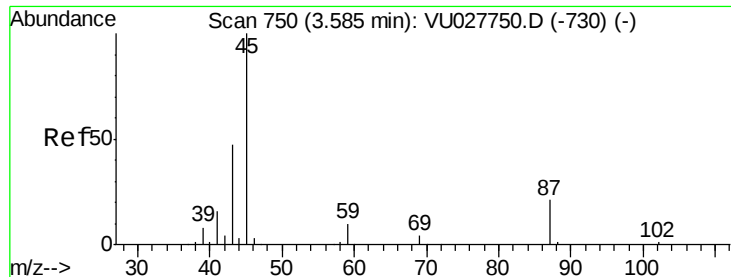
Abundance

Ion 117.00 (116.70 to 117.70): VU027768.D (-1076) (-)

Ion 119.00 (118.70 to 119.70): VU027768.D (-1076) (-)

Ion 121.00 (120.70 to 121.70): VU027768.D (-1076) (-)

Time-->



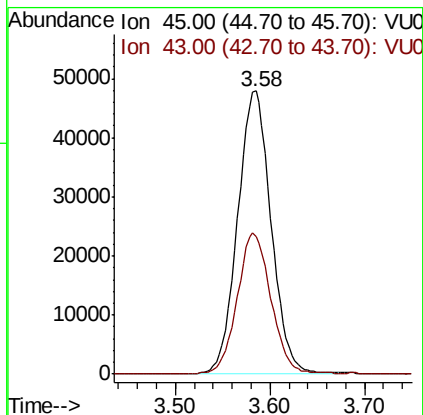
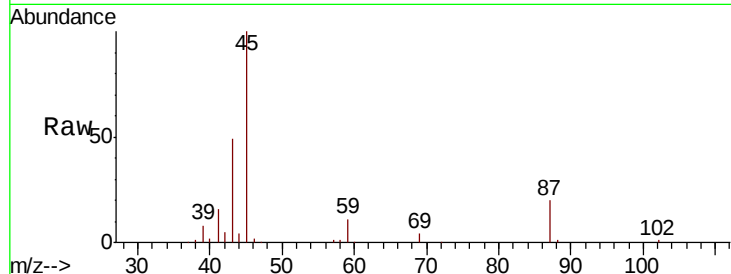
#31

Isopropyl Ether
 Concen: 10.364 ug/l
 RT: 3.58 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

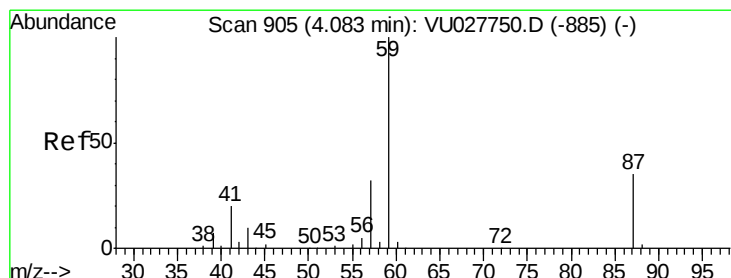
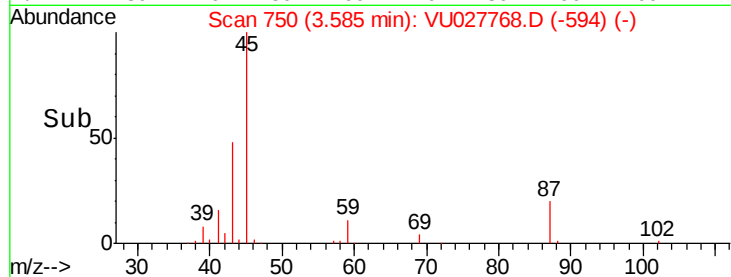
Tot Ion	45	Resp	117847
Ion Ratio	100	Lower	Upper
43	50.4	24.5	73.5

Manual Integrations
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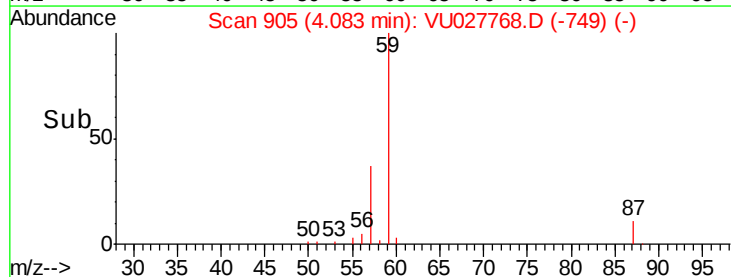
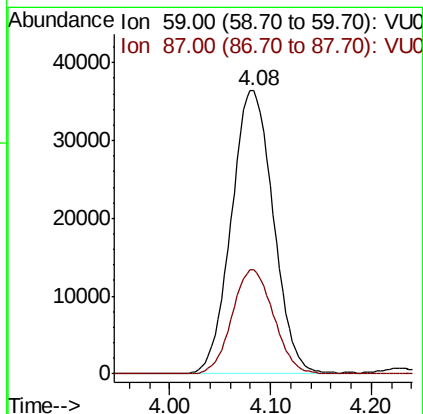
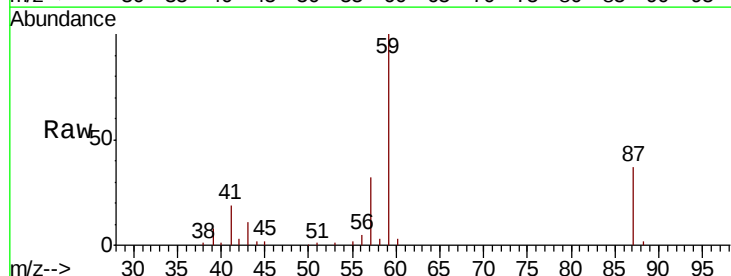
10/24/2018 2:19:50 PM

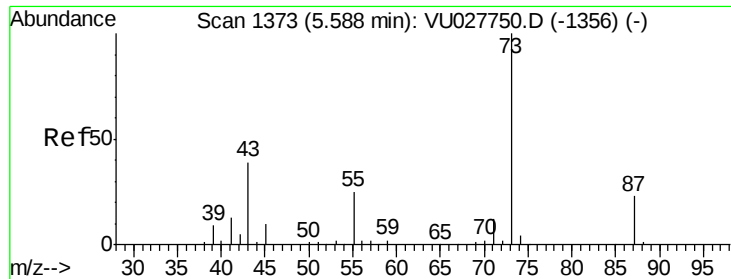


#32

Ethyl-t-butyl ether
 Concen: 10.383 ug/l
 RT: 4.08 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Tgt Ion	59	Resp	104745
Ion Ratio	100	Lower	Upper
87	36.5	29.4	44.0



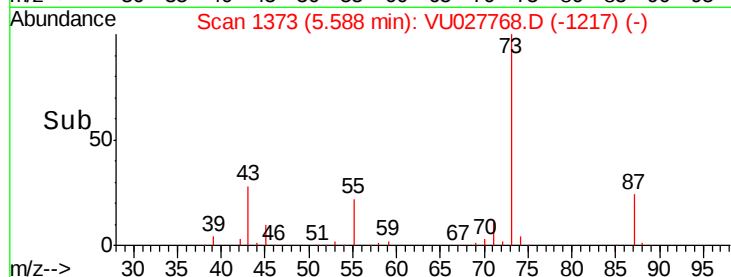
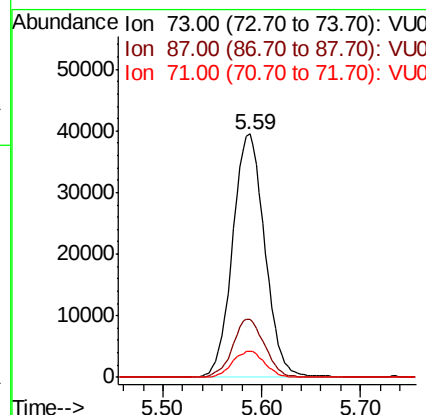
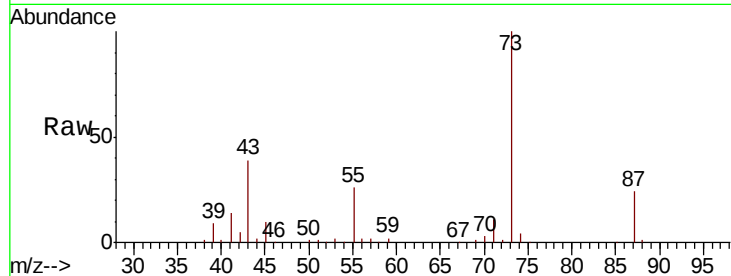


#33
Tert-Amvl methvl ether
Concen: 10.423 ug/l
RT: 5.59 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

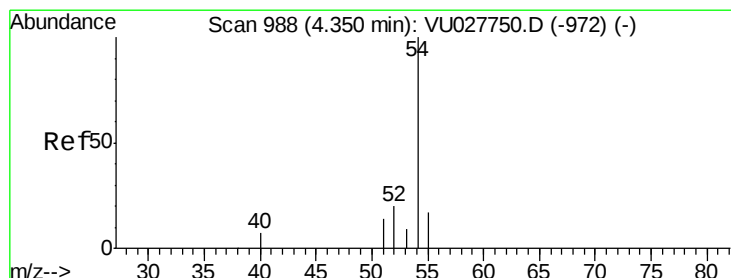
Tot Ion	Ratio	Lower	Upper
73	100		
87	23.7	18.5	27.7
71	10.7	9.1	13.7

Manual Integrations
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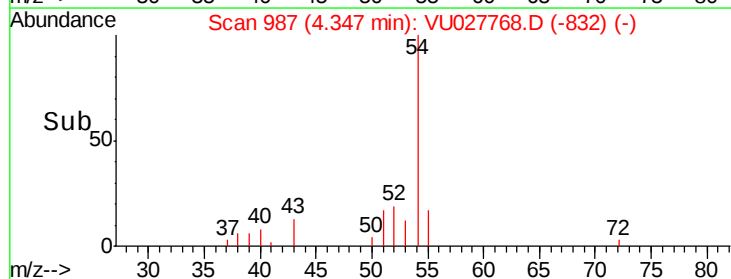
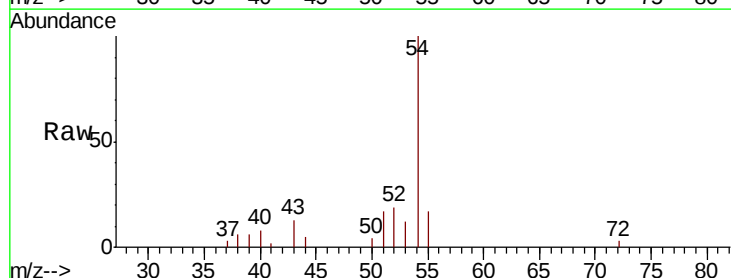
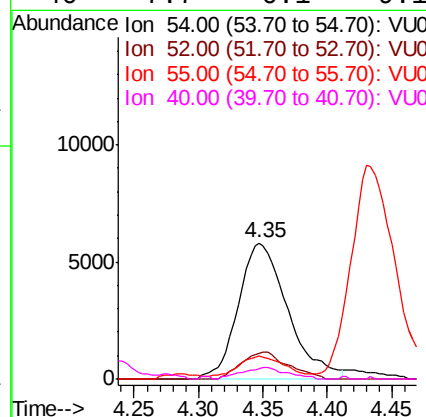
sam

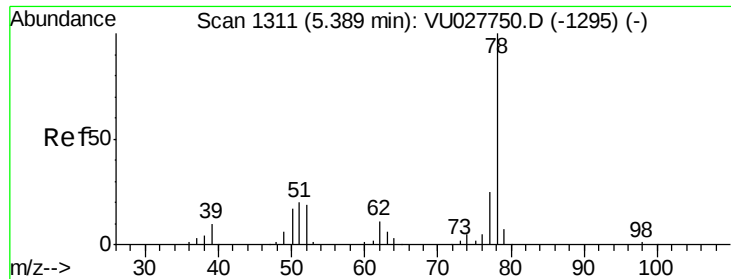
10/24/2018 2:19:50 PM



#34
Propionitrile
Concen: 54.569 ug/l
RT: 4.35 min Scan# 987
Delta R.T. -0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.5	15.5	23.3
55	14.7	12.6	18.8
40	7.7	6.1	9.1





#35

Benzene

Concen: 10.457 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

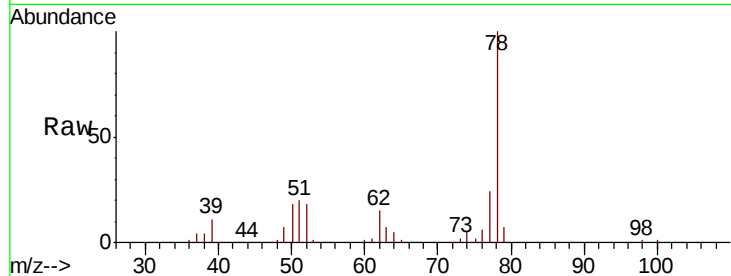
Tot Ion: 78 Resp: 139643

Ion Ratio Lower Upper

78 100

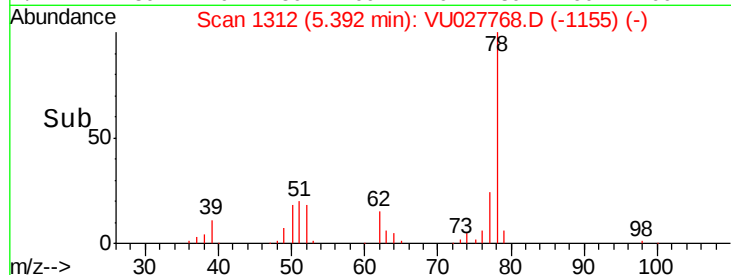
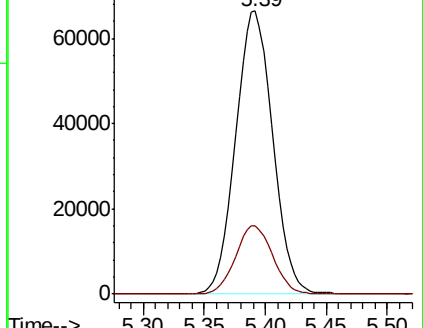
77 24.2 19.9 29.9

Manual Integrations
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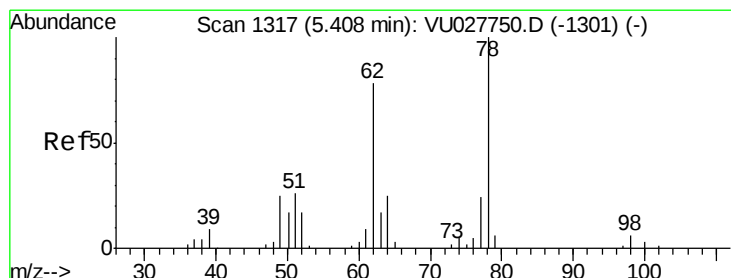
Abundance Ion 78.10 (77.80 to 78.80): VU027750.D (-1295) (-)

Ion 77.00 (76.70 to 77.70): VU027750.D (-1295) (-)



sam

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#36

1,2-Dichloroethane

Concen: 10.524 ug/l

RT: 5.41 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VU027768.D

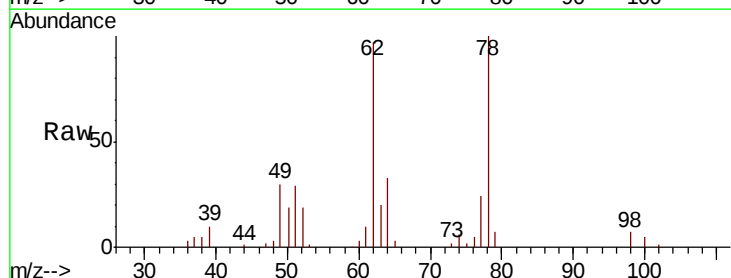
Acq: 23 Oct 2018 17:45

Tgt Ion: 62 Resp: 46771

Ion Ratio Lower Upper

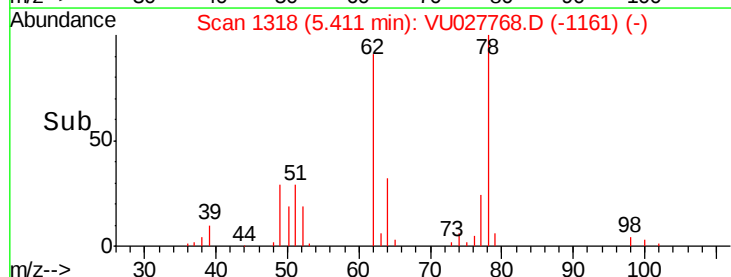
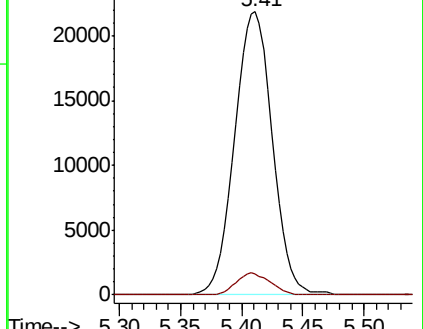
62 100

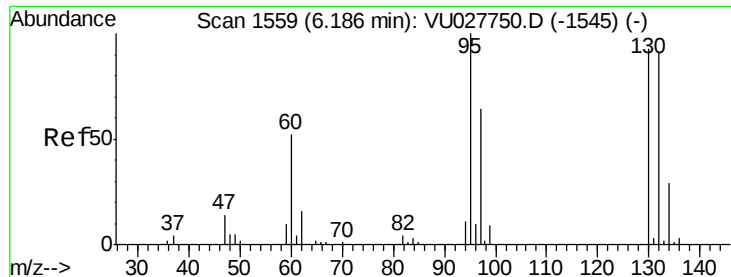
98 7.0 5.8 8.6



Abundance Ion 62.00 (61.70 to 62.70): VU027750.D (-1301) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-1301) (-)



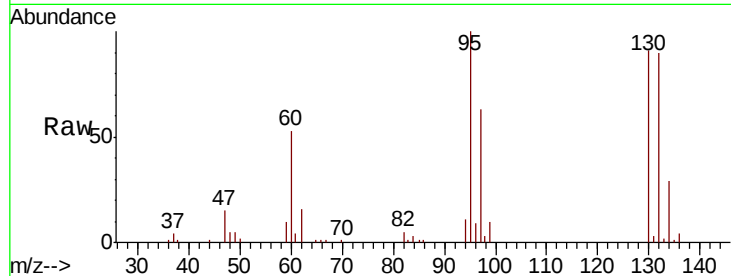


#37
 Trichloroethene
 Concen: 10.385 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

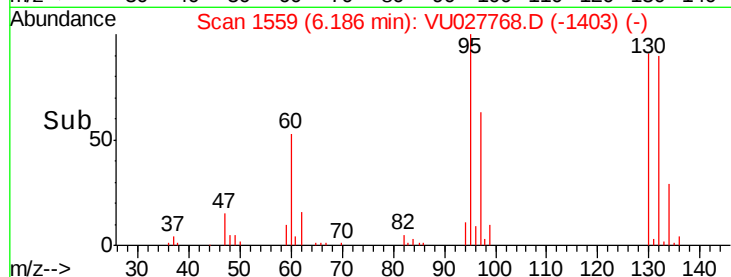
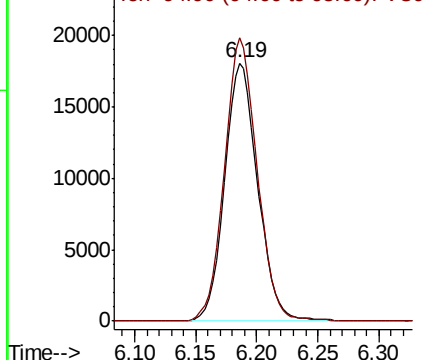
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:130 Resp: 34212
 Ion Ratio Lower Upper
 130 100
 95 109.6 86.4 129.6

Manual Integrations
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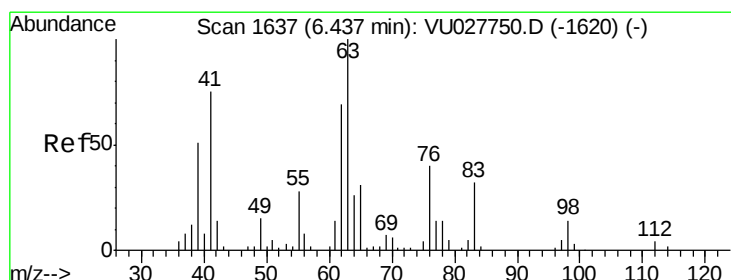


Abundance Ion 129.90 (129.60 to 130.60): VU027750.D (-1545) (-)
 Ion 94.90 (94.60 to 95.60): VU027750.D (-1545) (-)



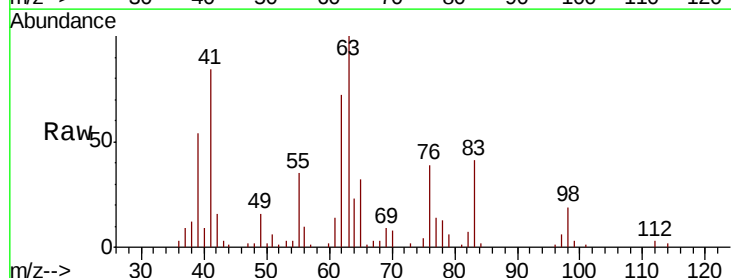
sam

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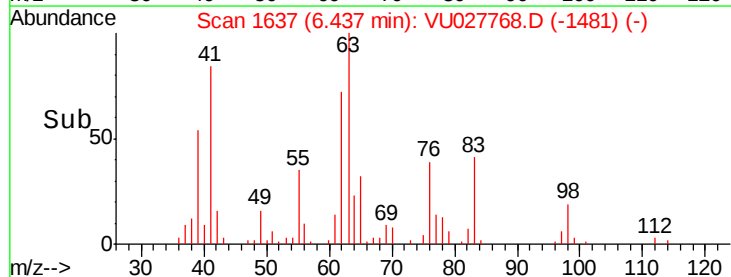
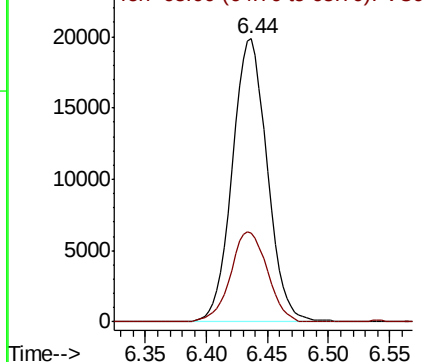


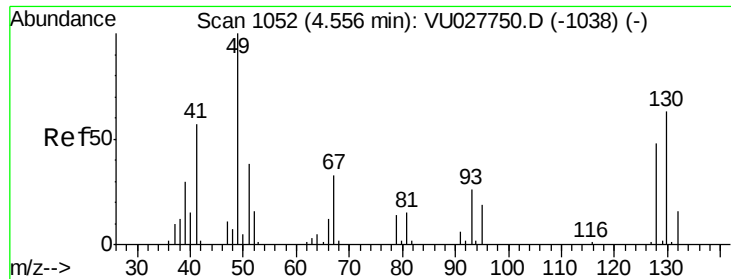
#38
 1,2-Dichloropropane
 Concen: 10.507 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Tgt Ion: 63 Resp: 39401
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU027750.D (-1620) (-)
 Ion 65.00 (64.70 to 65.70): VU027750.D (-1620) (-)



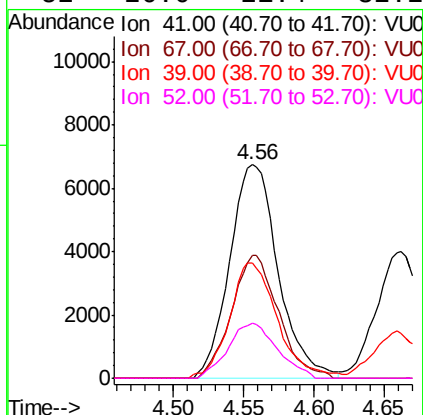
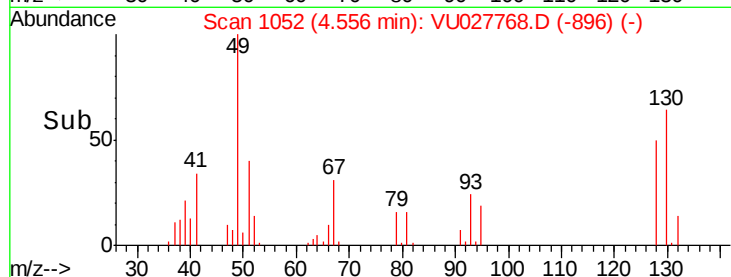
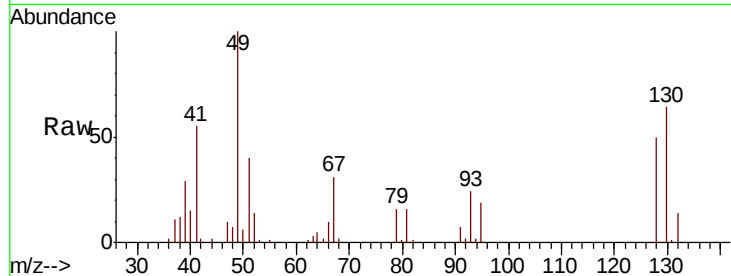


#39
Methacrylonitrile
Concen: 10.397 ug/l
RT: 4.56 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

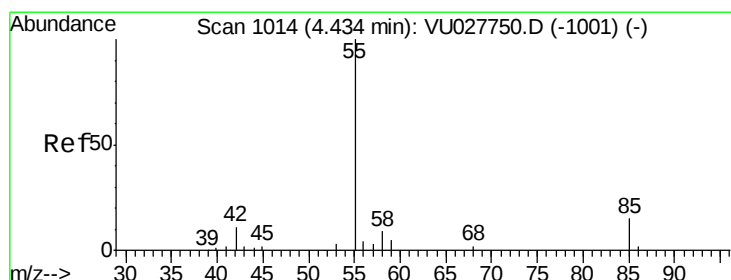
Tot Ion	41	Resp	16248
Ion	Ratio	Lower	Upper
41	100		
67	55.7	46.1	69.1
39	53.2	43.6	65.4
52	26.0	21.4	32.2

Manual Integrations
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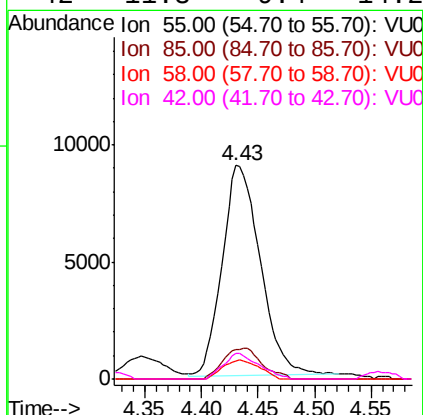
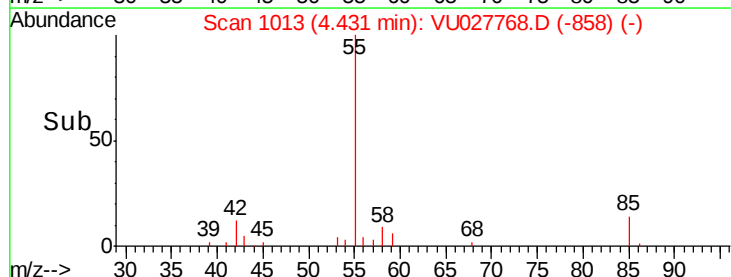
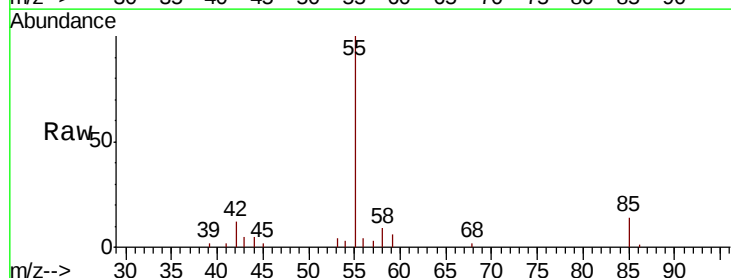
sam

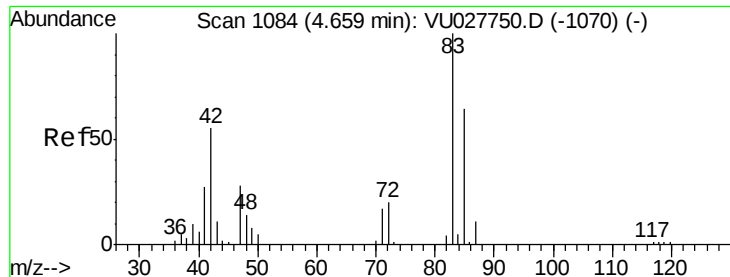
10/24/2018 2:19:50 PM



#40
Methyl acrylate
Concen: 10.419 ug/l
RT: 4.43 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion	55	Resp	21210
Ion	Ratio	Lower	Upper
55	100		
85	14.7	11.8	17.6
58	8.5	7.0	10.4
42	11.3	9.4	14.2





#41

Tetrahydrofuran

Concen: 19.216 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

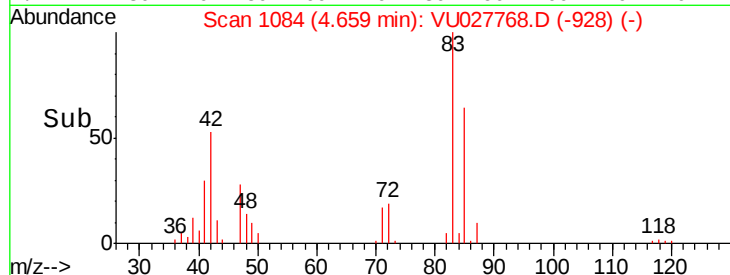
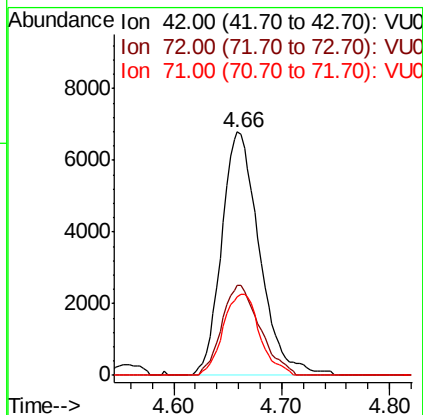
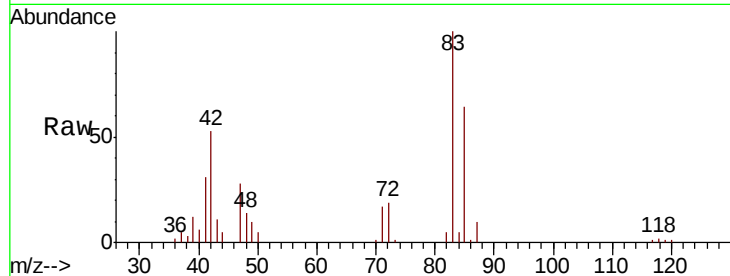
MSVOA_U

ClientSampleId :

VSTDCCC010EC

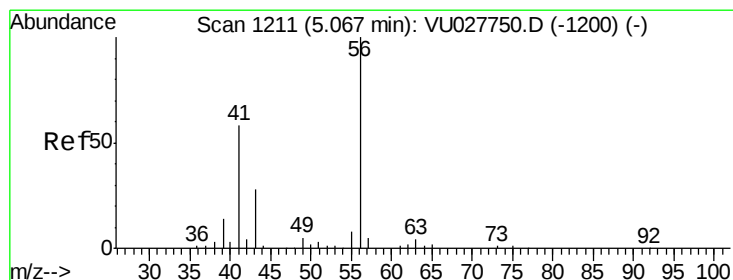
Tot Ion:	42	Resp:	16593
Ion	Ratio	Lower	Upper
42	100		
72	37.1	30.6	45.8
71	32.1	25.2	37.8

Manual Integrations
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10/24/2018 2:19:50 PM



#42

1-Chlorobutane

Concen: 10.328 ug/l

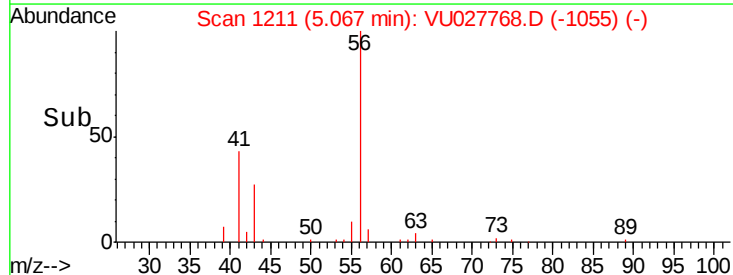
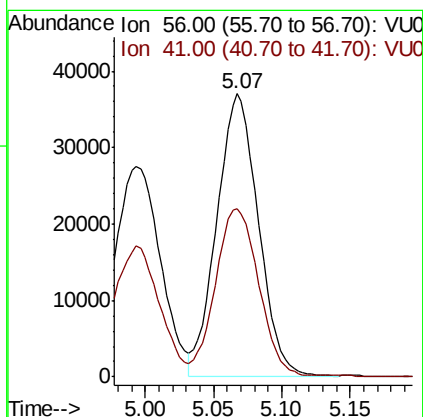
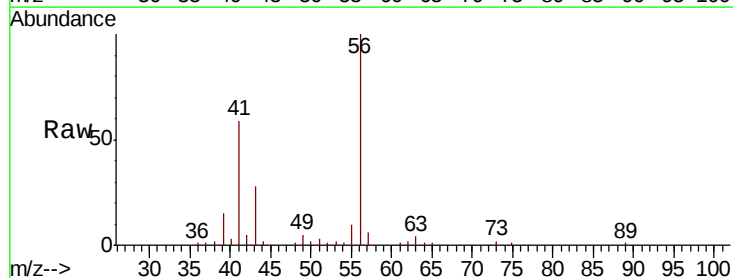
RT: 5.07 min Scan# 1211

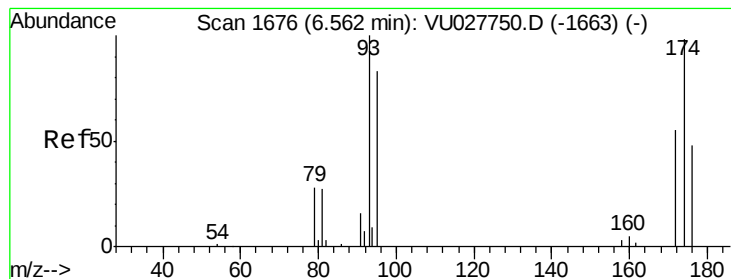
Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Tgt Ion:	56	Resp:	77864
Ion	Ratio	Lower	Upper
56	100		
41	61.2	29.4	88.2





#43

Dibromomethane

Concen: 10.969 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

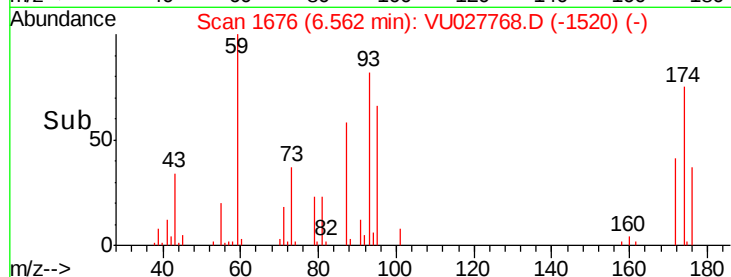
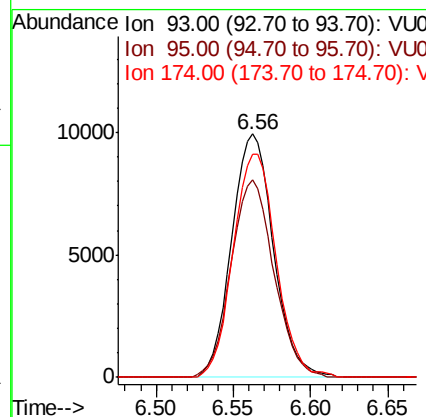
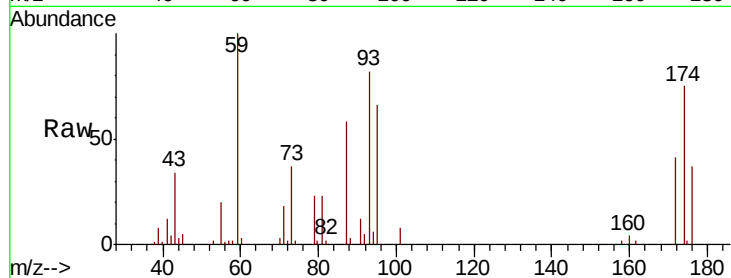
MSVOA_U

ClientSampleId :

VSTDCCC010EC

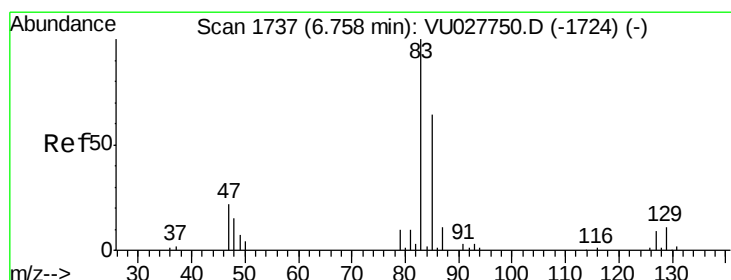
Tot Ion:	93	Resp:	18701
Ion Ratio	Lower	Upper	
93	100		
95	82.7	64.2	96.2
174	93.8	76.7	115.1

Manual Integrations
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#44

Bromodichloromethane

Concen: 10.711 ug/l

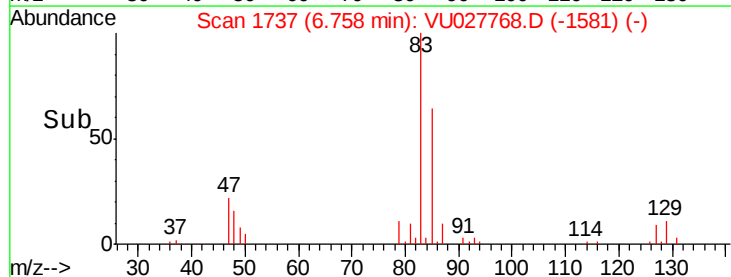
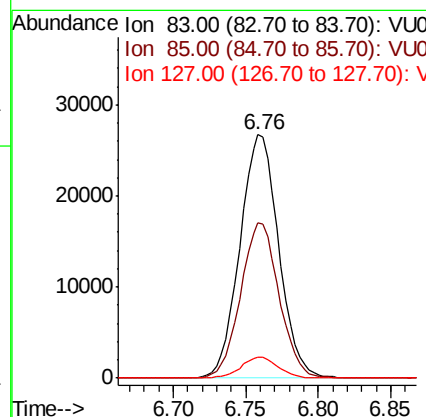
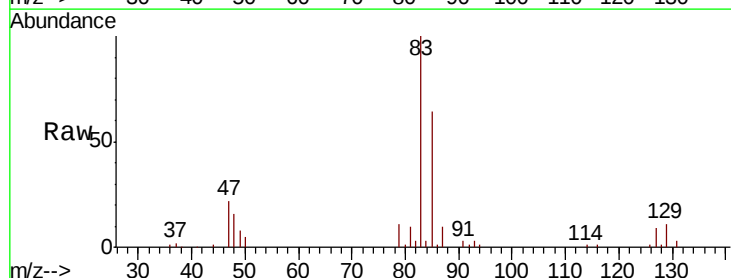
RT: 6.76 min Scan# 1737

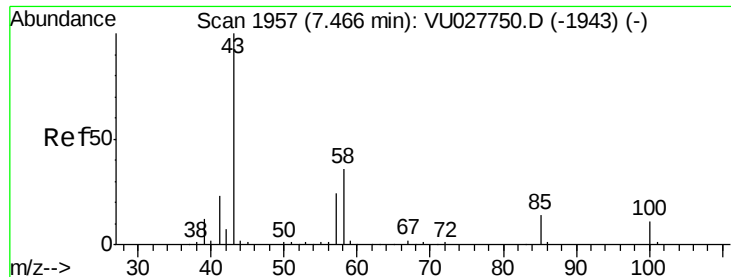
Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Tgt Ion:	83	Resp:	49574
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.5	77.3
127	8.6	7.0	10.4



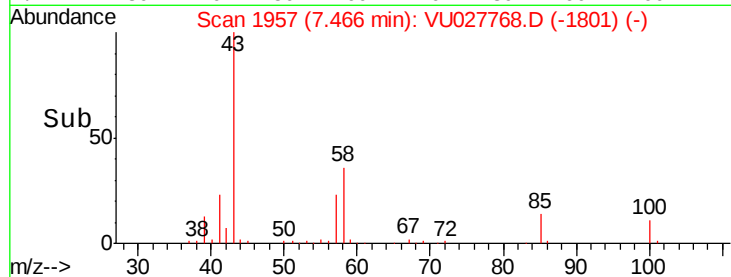
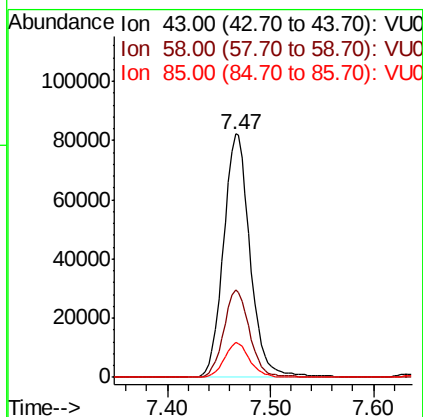
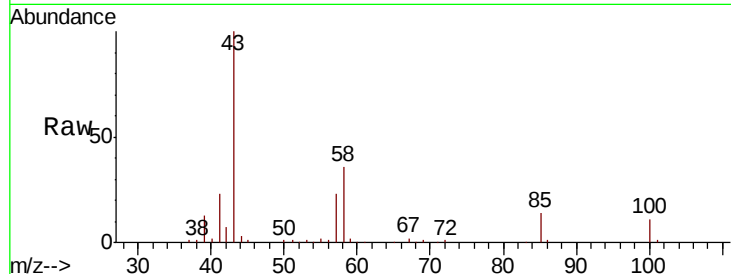


#45
4-Methyl-2-Pentanone
Concen: 53.336 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC010EC

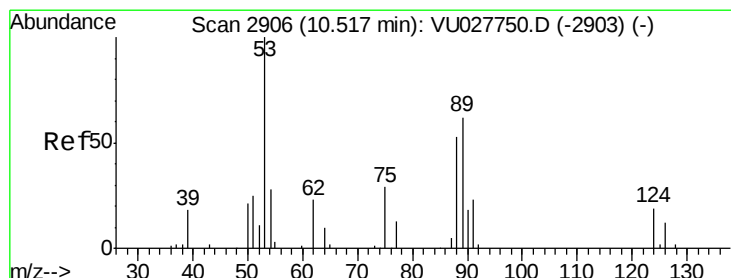
Tot Ion	Ratio	Lower	Upper
43	100		
58	35.2	17.9	53.8
85	13.7	11.4	17.0

Manual Integrations
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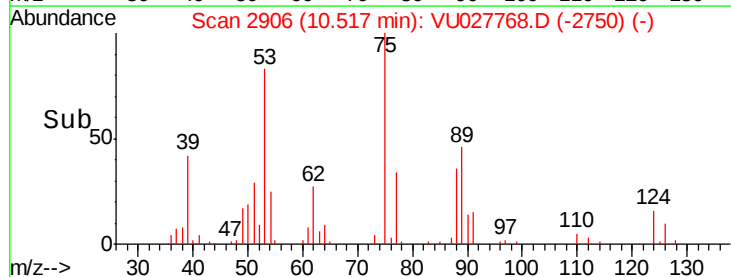
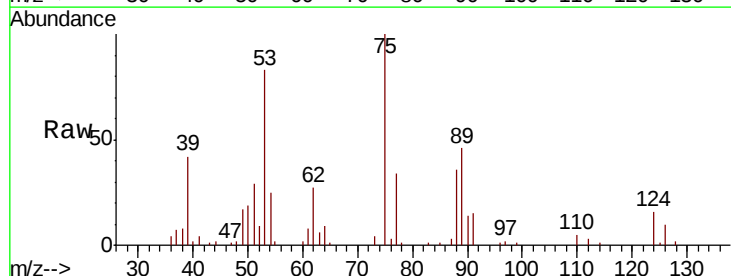
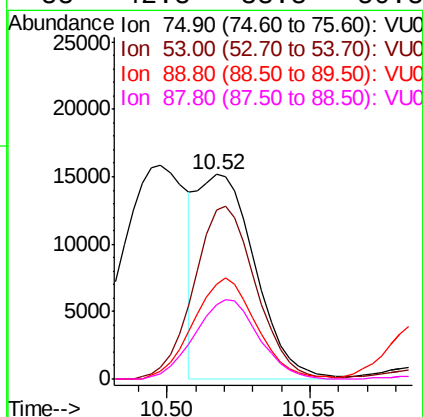
sam

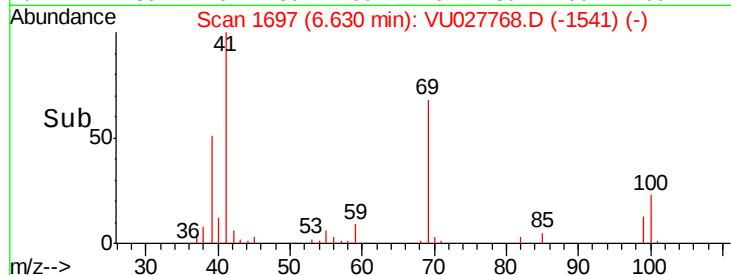
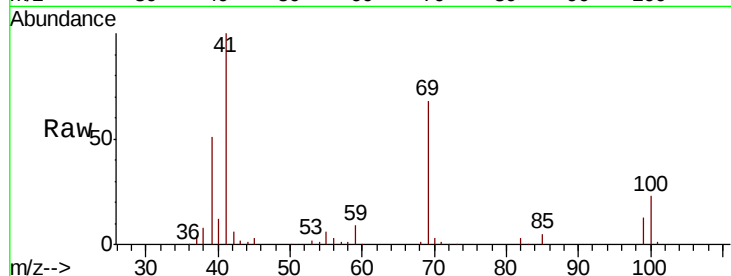
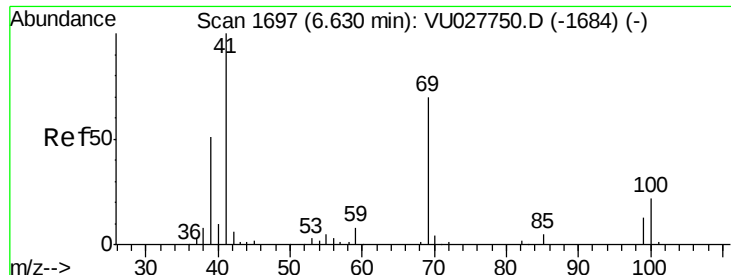
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#46
t-1,4-Dichloro-2-butene
Concen: 21.455 ug/l m
RT: 10.52 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

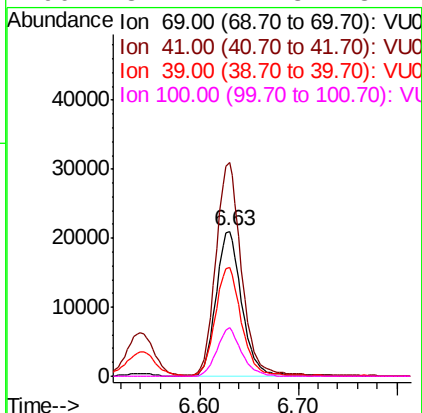
Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.3	68.2	102.4
89	53.6	41.8	62.6
88	42.8	33.8	50.8





#47
Methyl methacrylate
Concen: 21.467 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tot Ion	Ratio	Lower	Upper
69	100		
41	143.0	0.0	281.2
39	76.3	58.6	88.0
100	31.7	24.8	37.2

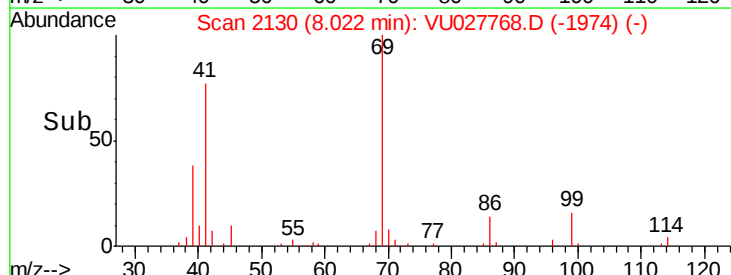
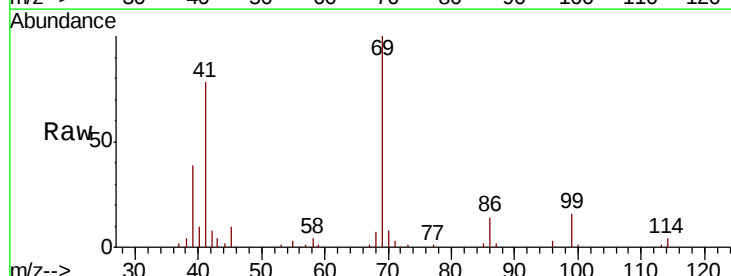
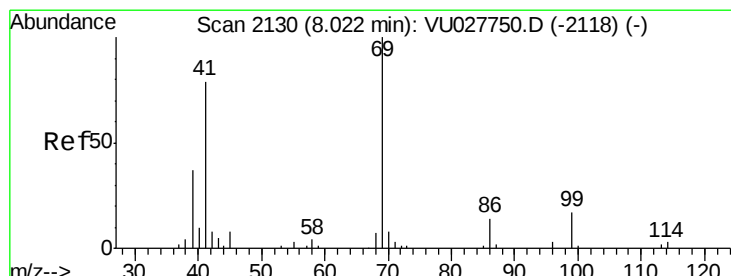


Instrument : MSVOA_U
ClientSampleId : VSTDCCC010EC

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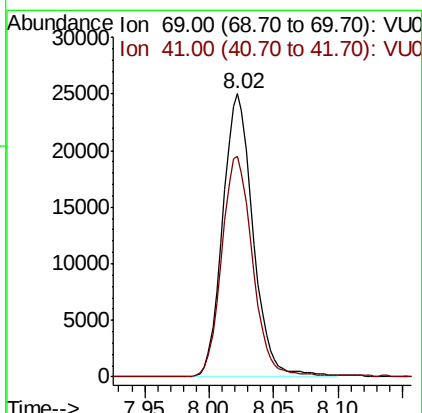
sam

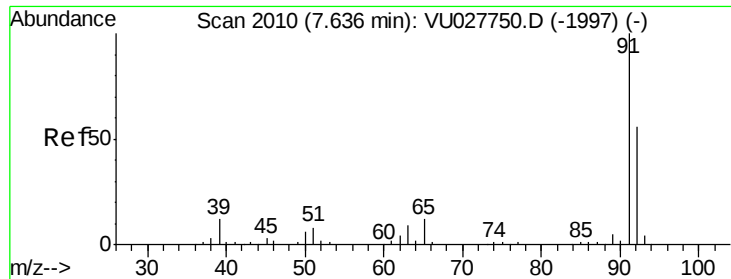
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#48
Ethyl methacrylate
Concen: 10.931 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	79.4	39.1	117.2





#49

Toluene

Concen: 10.771 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

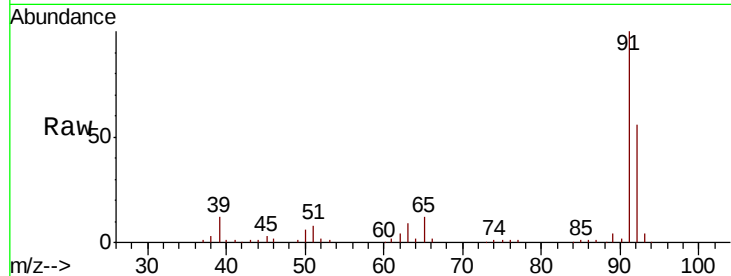
Tot Ion: 92 Resp: 85344

Ion Ratio Lower Upper

92 100

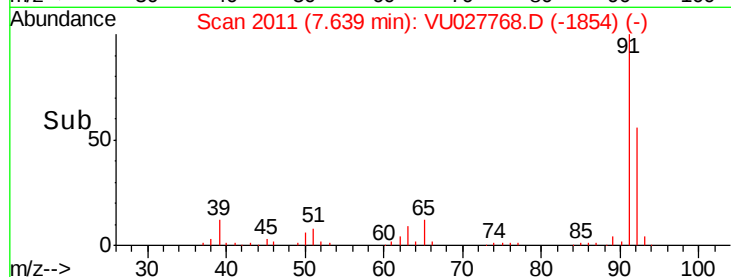
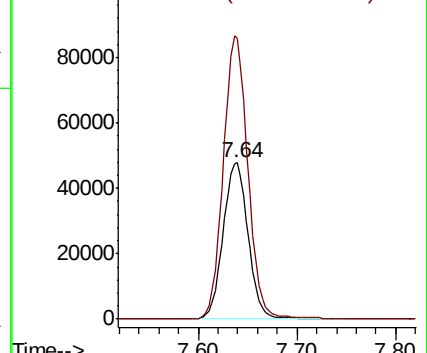
91 177.2 141.8 212.8

Manual Integrations
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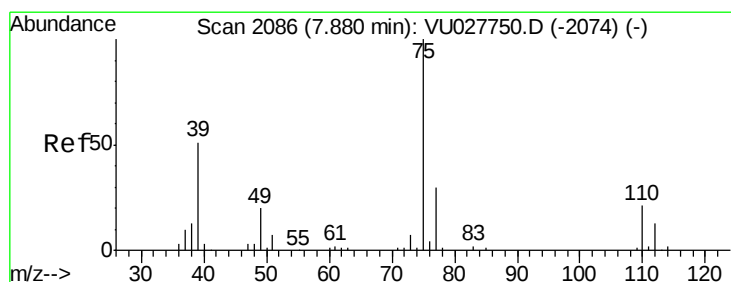
Abundance Ion 92.00 (91.70 to 92.70): VU027768.D (-1854) (-)

Ion 91.00 (90.70 to 91.70): VU027768.D (-1854) (-)



sam

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#50

t-1,3-Dichloropropene

Concen: 10.948 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027768.D

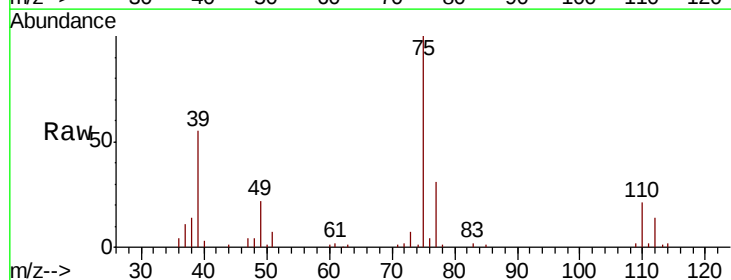
Acq: 23 Oct 2018 17:45

Tgt Ion: 75 Resp: 50494

Ion Ratio Lower Upper

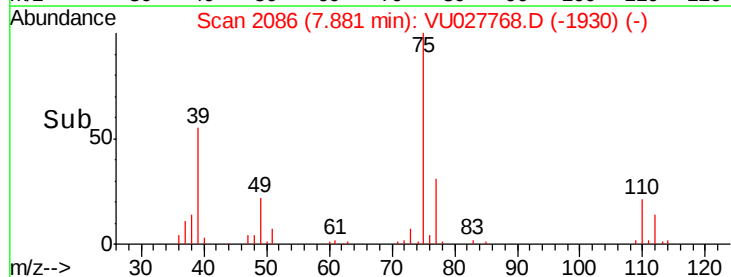
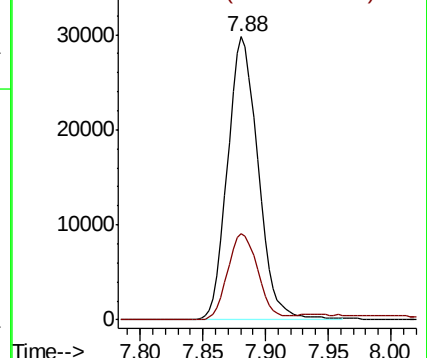
75 100

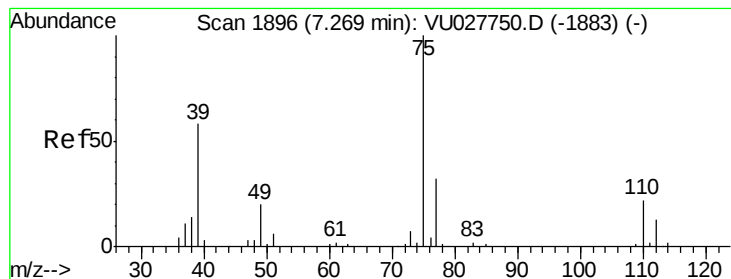
77 30.6 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VU027768.D (-1930) (-)

Ion 77.00 (76.70 to 77.70): VU027768.D (-1930) (-)





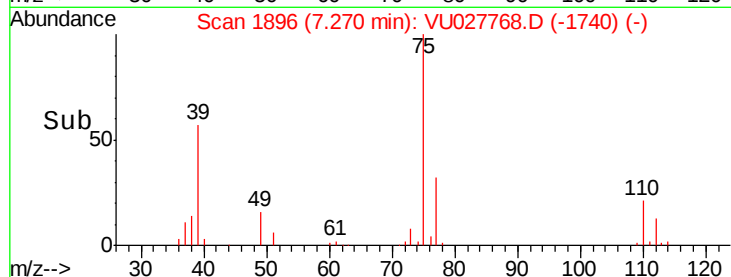
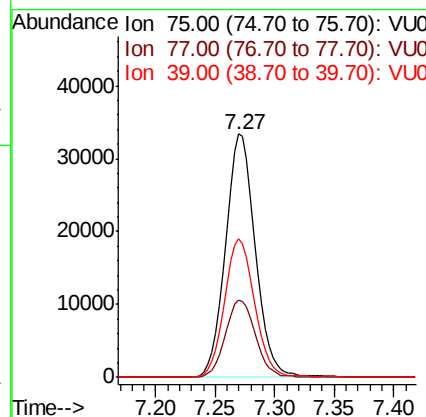
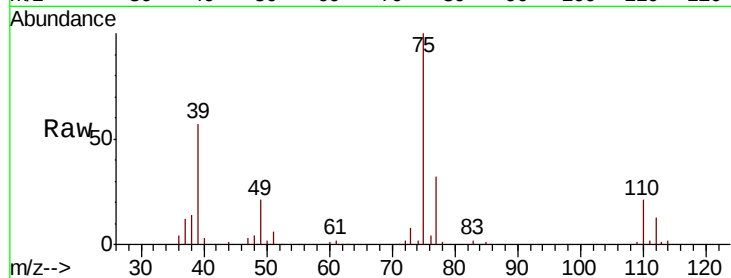
#51

cis-1,3-Dichloropropene
Concen: 10.659 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

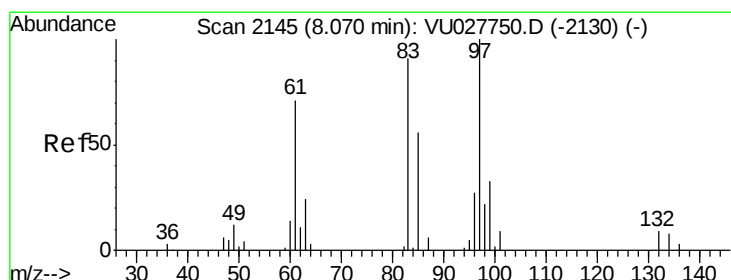
Tot Ion:	75	Resp:	57916
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9
39	56.8	46.4	69.6

Manual Integrations
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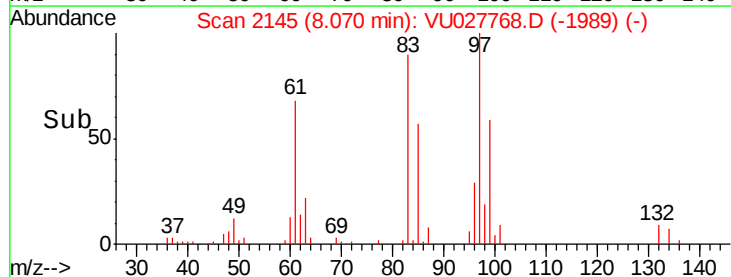
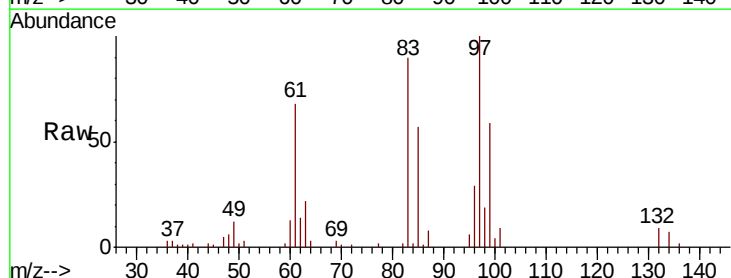
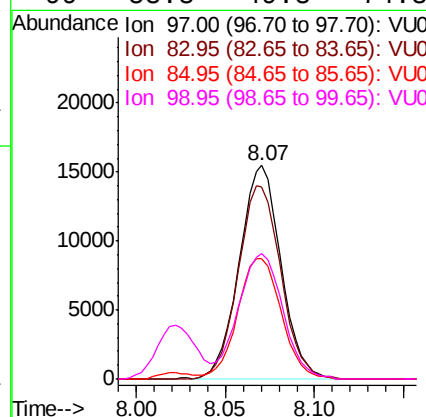
10/24/2018 2:19:50 PM

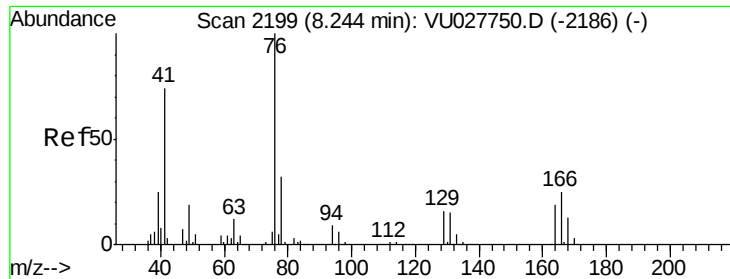


#52

1,1,2-Trichloroethane
Concen: 10.930 ug/l
RT: 8.07 min Scan# 2145
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion:	97	Resp:	25170
Ion	Ratio	Lower	Upper
97	100		
83	90.0	73.0	109.6
85	56.6	46.5	69.7
99	58.8	49.8	74.8



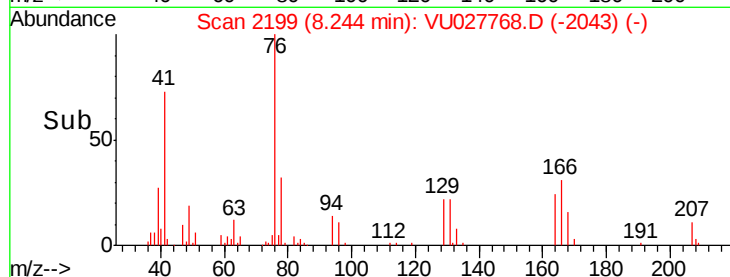
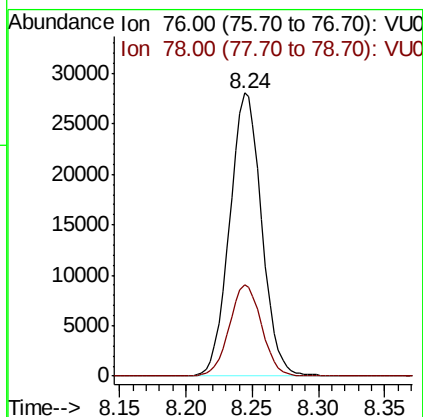
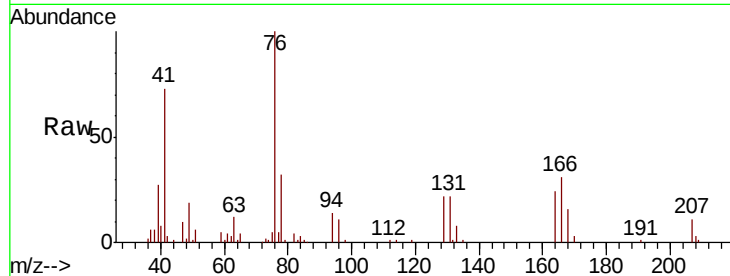


#53
 1,3-Dichloropropane
 Concen: 10.653 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

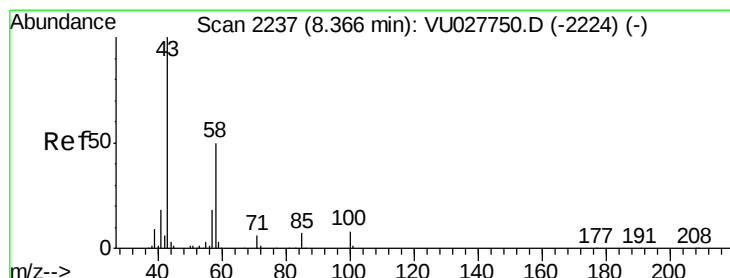
Tot Ion: 76 Resp: 47127
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.4 38.0

Manual Integrations
 APPROVED



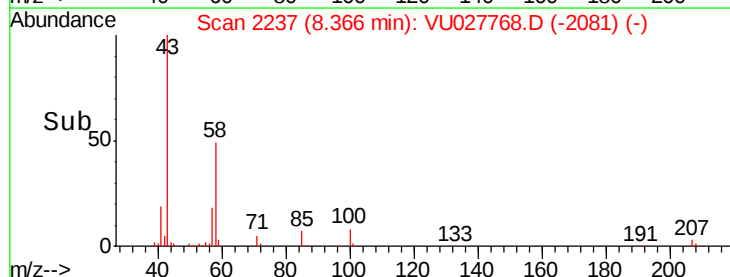
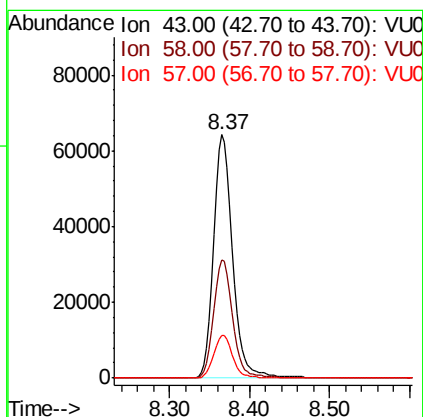
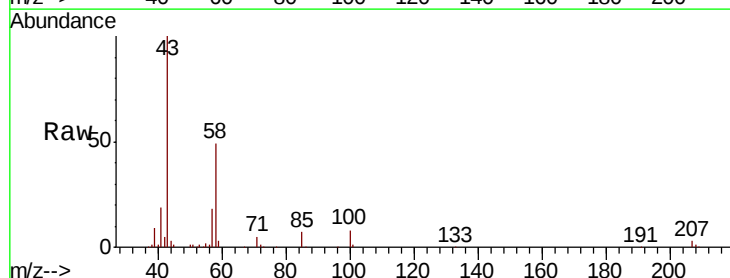
sam

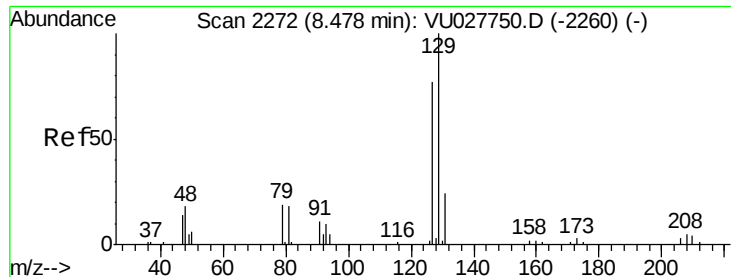
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#54
 2-Hexanone
 Concen: 54.360 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Tgt Ion: 43 Resp: 107201
 Ion Ratio Lower Upper
 43 100
 58 48.4 30.0 70.0
 57 17.4 0.0 37.7





#55

Dibromochloromethane

Concen: 10.874 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:129 Resp: 31478

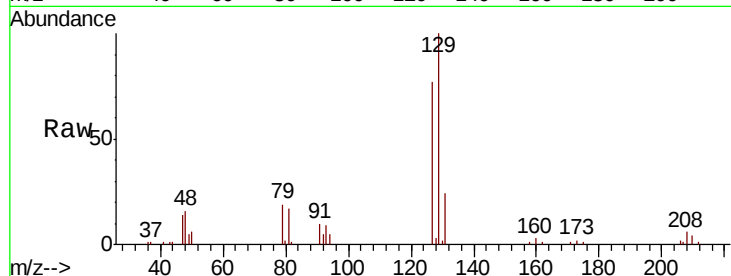
Ion Ratio Lower Upper

129 100

127 78.4 61.9 92.9

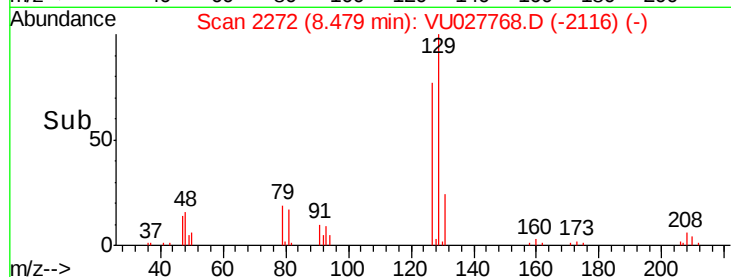
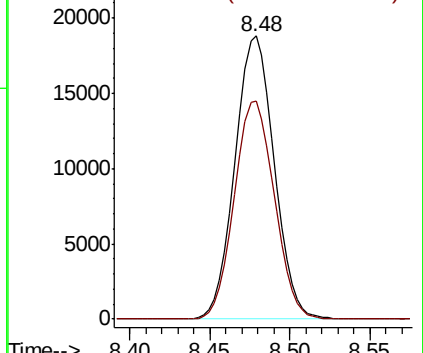
Manual Integrations

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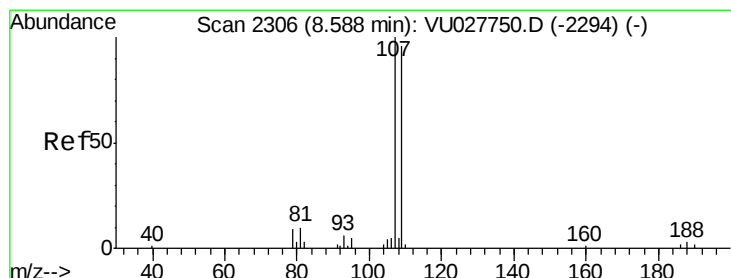
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 10.877 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027768.D

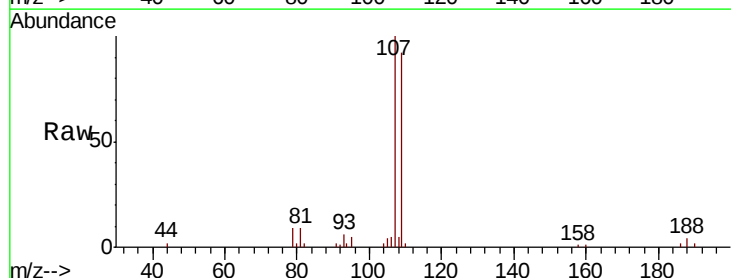
Acq: 23 Oct 2018 17:45

Tgt Ion:107 Resp: 24591

Ion Ratio Lower Upper

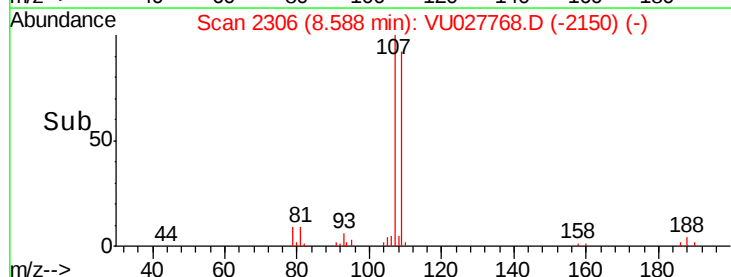
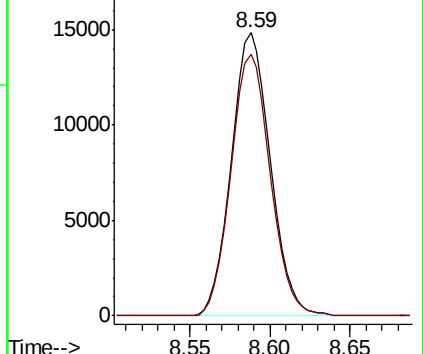
107 100

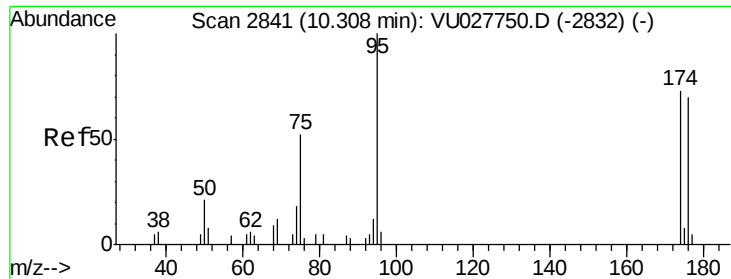
109 93.3 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



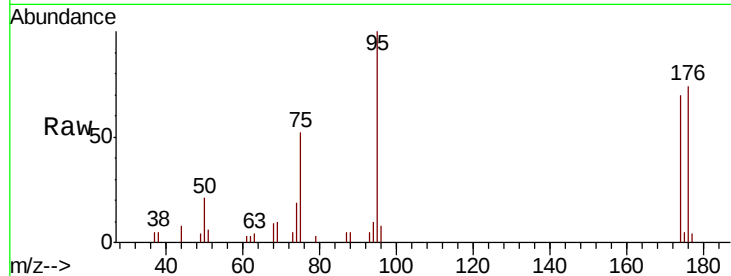


#57
4-Bromofluorobenzene
Concen: 10.877 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	95	Resp:	4774
Ion	Ratio	Lower	Upper
95	100		
174	75.5	64.5	96.7
176	74.3	58.3	87.5

Manual Integrations
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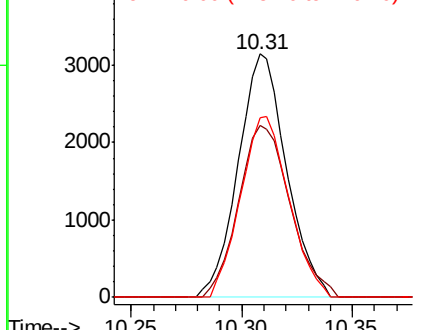


Abundance

Ion 95.00 (94.70 to 95.70): V

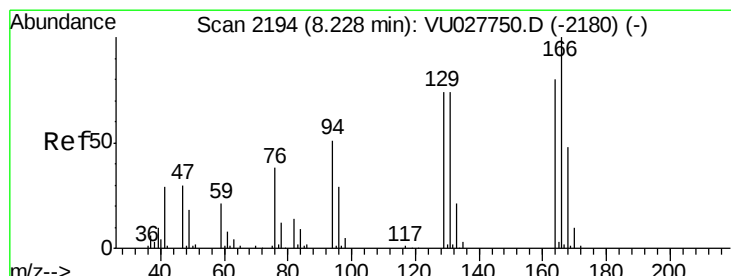
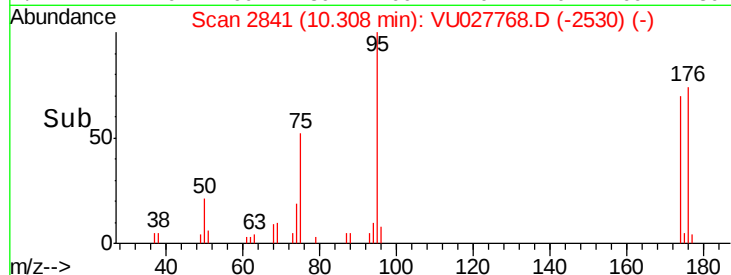
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



sam

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#58
Tetrachloroethene
Concen: 10.439 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion:	164	Resp:	32437
Ion	Ratio	Lower	Upper
164	100		
166	123.9	100.2	150.4
129	91.2	73.7	110.5
131	91.4	73.8	110.6

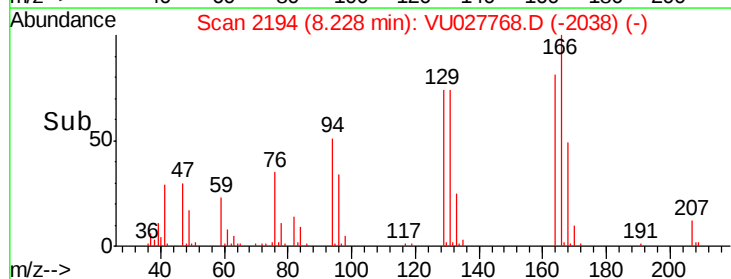
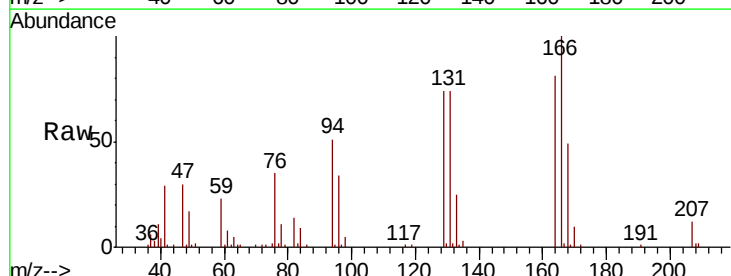
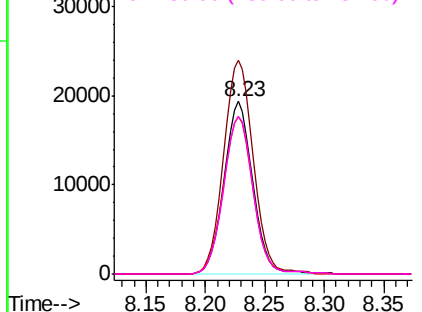
Abundance

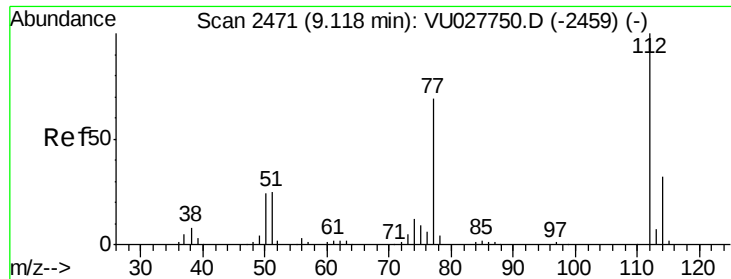
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



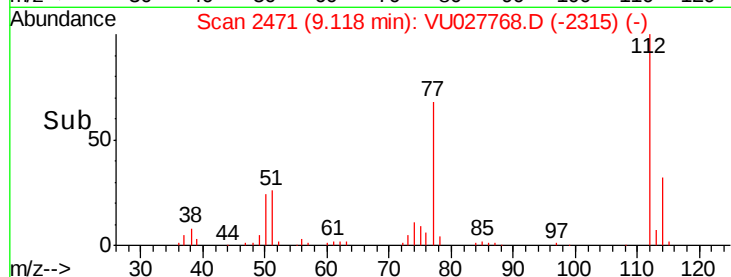
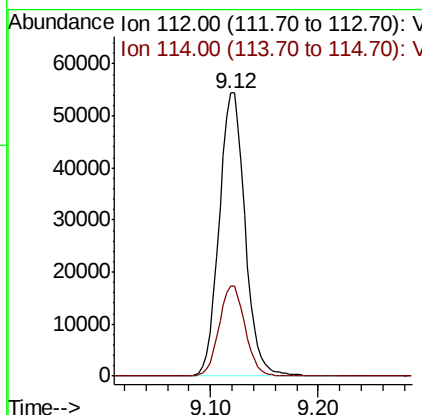
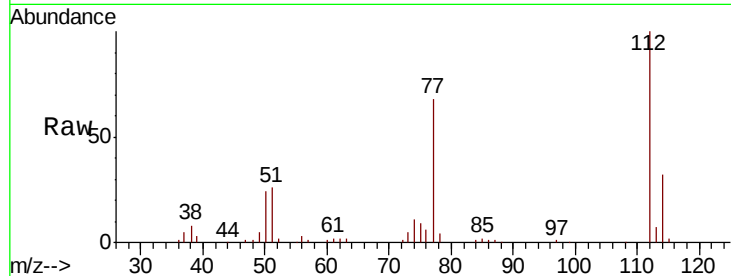


#59
Chlorobenzene
Concen: 10.708 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

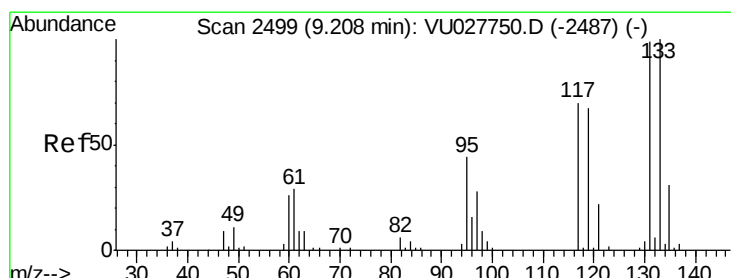
Tot Ion:112 Resp: 90934
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

Manual Integrations
APPROVED



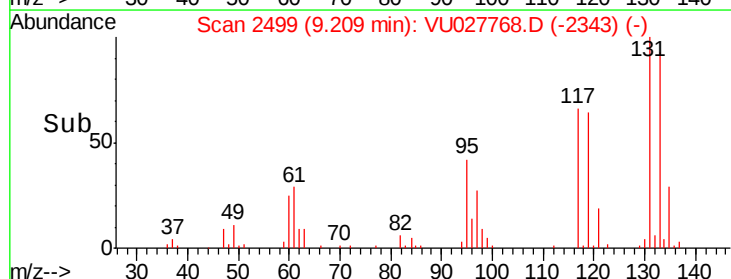
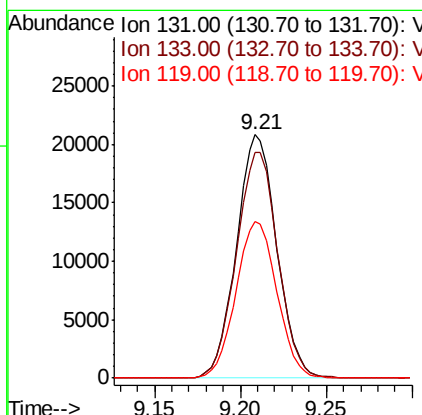
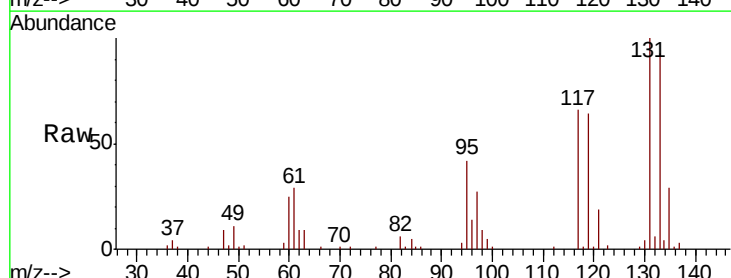
sam

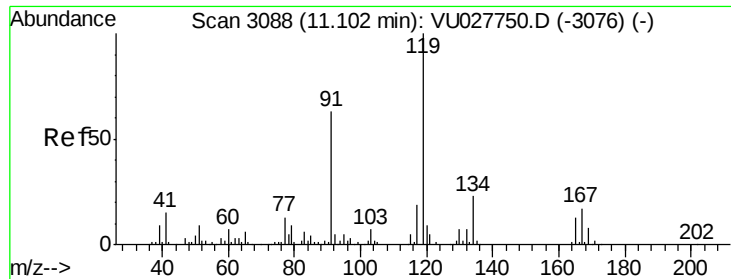
10/24/2018 2:19:50 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.953 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion:131 Resp: 33810
Ion Ratio Lower Upper
131 100
133 95.6 77.5 116.3
119 65.4 52.0 78.0



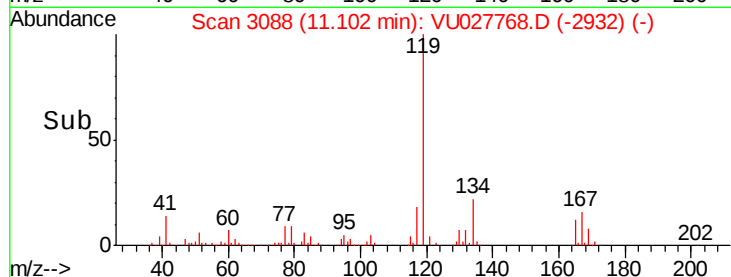
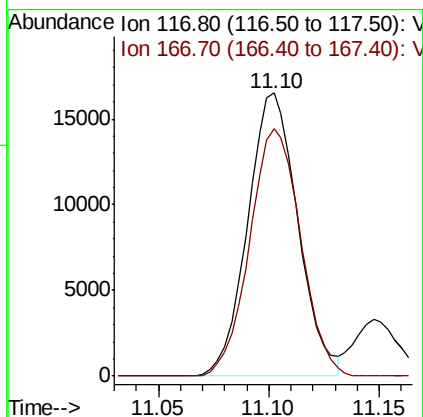
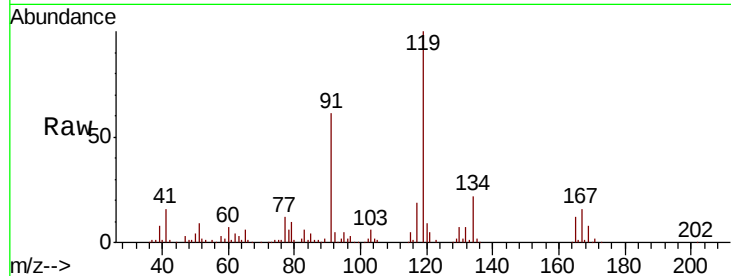


#61
 Pentachloroethane
 Concen: 11.333 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

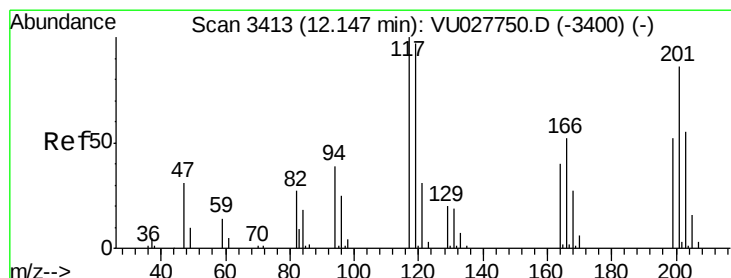
Tot Ion:117 Resp: 26094
 Ion Ratio Lower Upper
 117 100
 167 88.3 70.1 105.1

Manual Integrations
 APPROVED



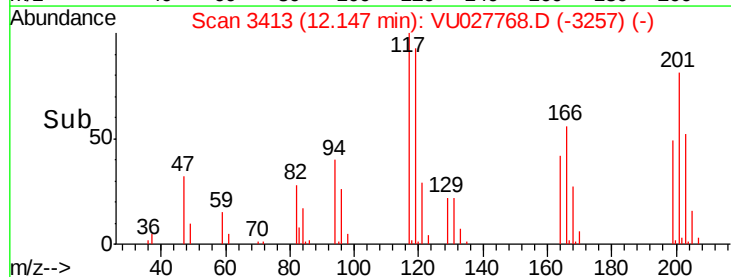
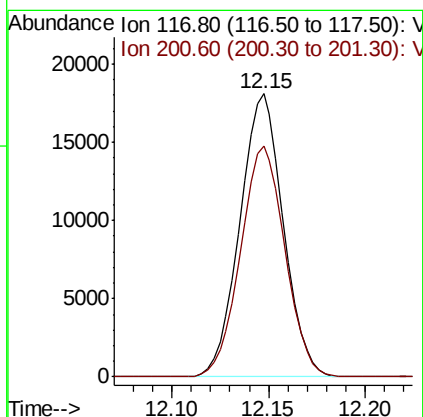
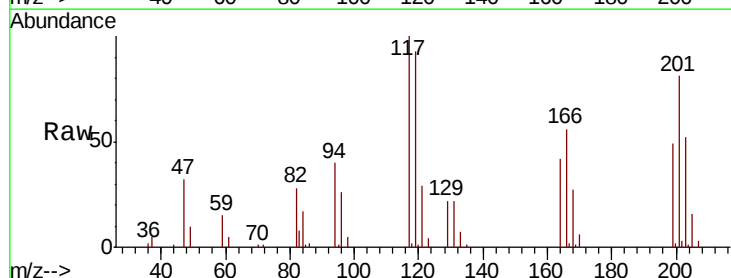
sam

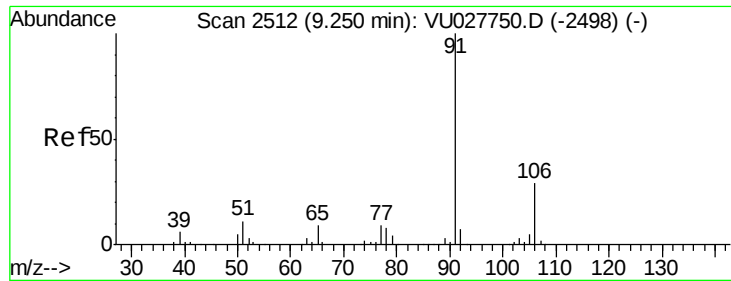
10/24/2018 2:19:50 PM



#62
 Hexachloroethane
 Concen: 11.150 ug/l
 RT: 12.15 min Scan# 3413
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Tgt Ion:117 Resp: 28201
 Ion Ratio Lower Upper
 117 100
 201 83.5 66.0 99.0



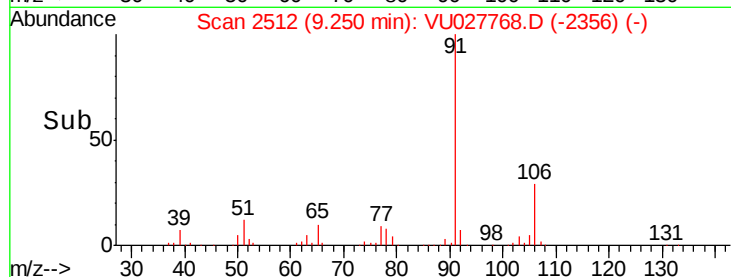
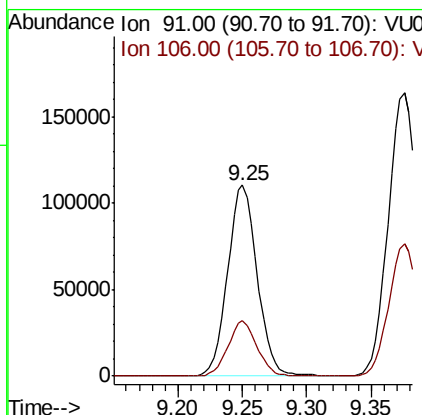
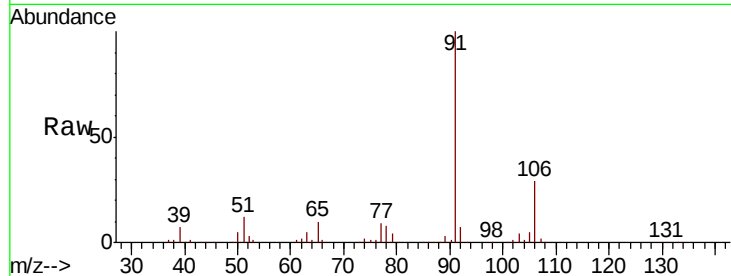


#63
Ethyl Benzene
Concen: 10.913 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC010EC

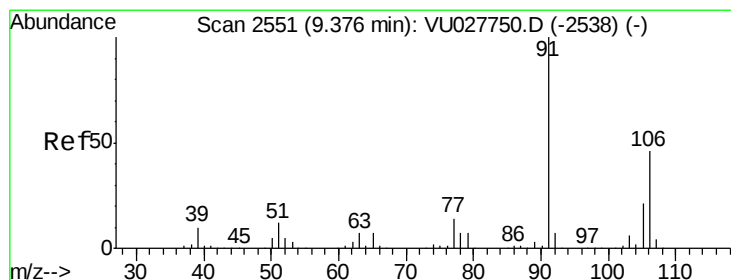
Tot Ion	91	Resp	175532
Ion Ratio	Lower	Upper	
91	100		
106	28.8	23.5	35.3

Manual Integrations
APPROVED



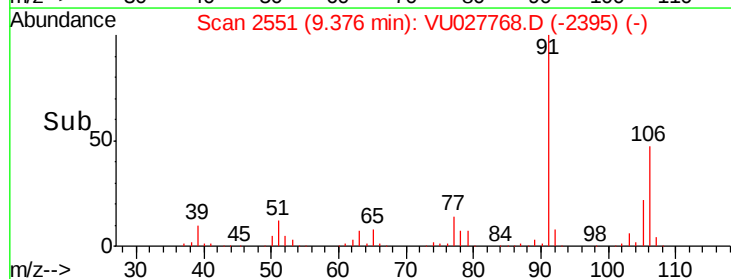
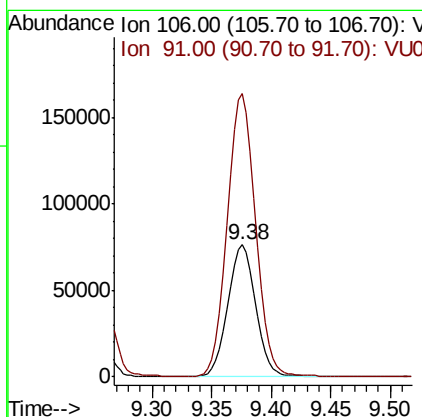
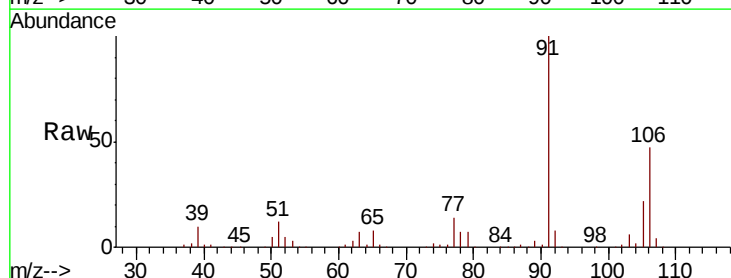
sam

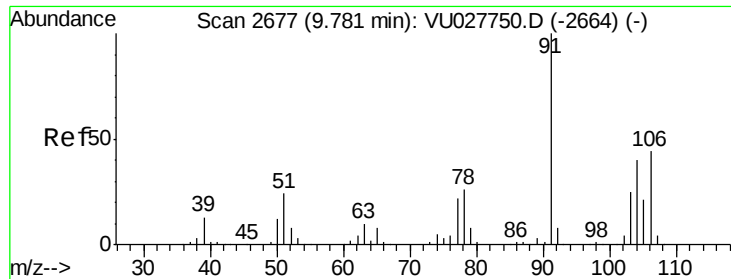
10/24/2018 2:19:50 PM



#64
m/p-Xylenes
Concen: 21.574 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion	106	Resp	123823
Ion Ratio	Lower	Upper	
106	100		
91	218.7	173.3	259.9



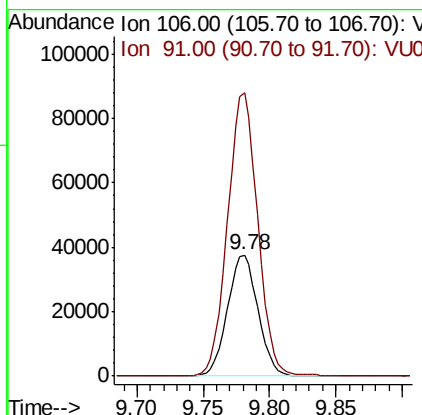
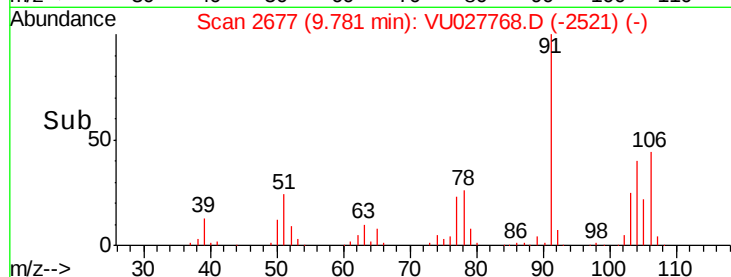
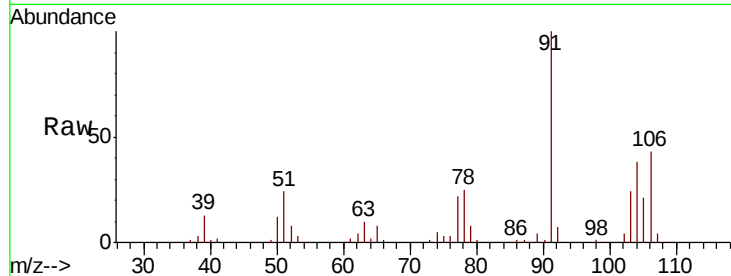


#65
o-Xylene
Concen: 10.569 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC010EC

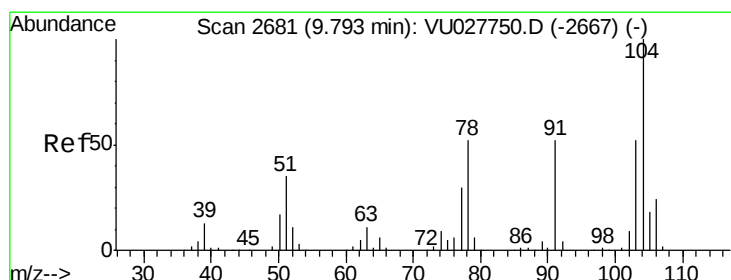
Tot Ion:106 Resp: 60144
Ion Ratio Lower Upper
106 100
91 231.4 113.4 340.2

Manual Integrations
APPROVED



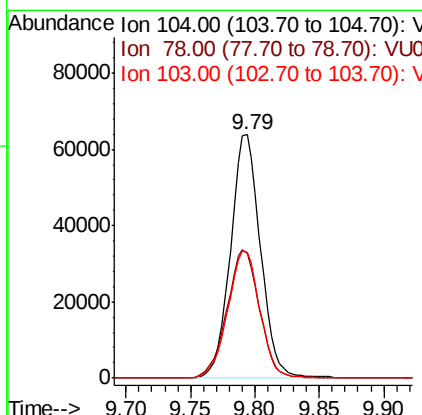
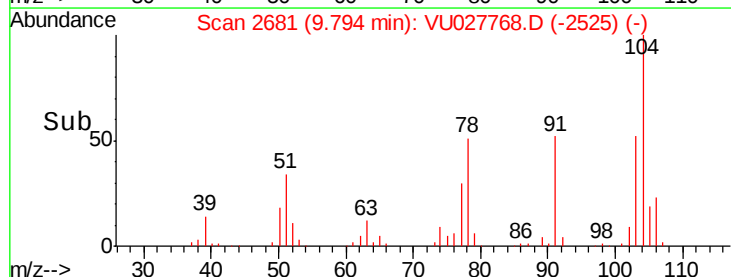
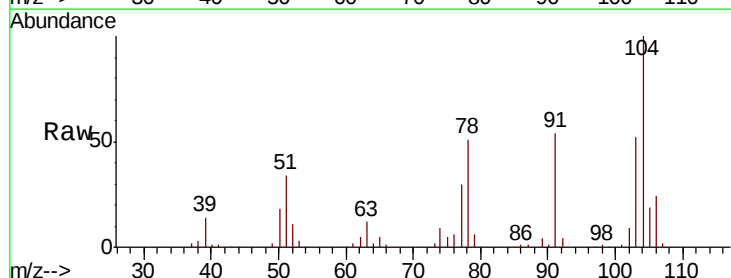
sam

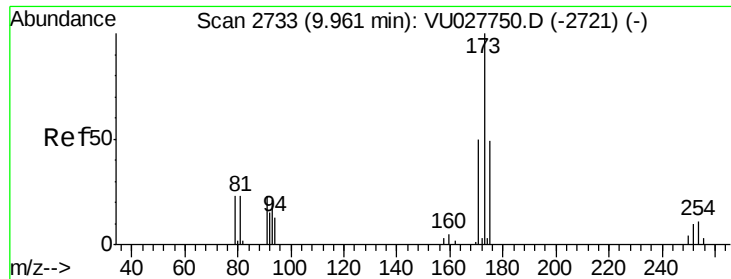
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#66
Styrene
Concen: 10.970 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion:104 Resp: 103009
Ion Ratio Lower Upper
104 100
78 57.0 45.2 67.8
103 55.9 44.8 67.2





#67

Bromoform

Concen: 10.919 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

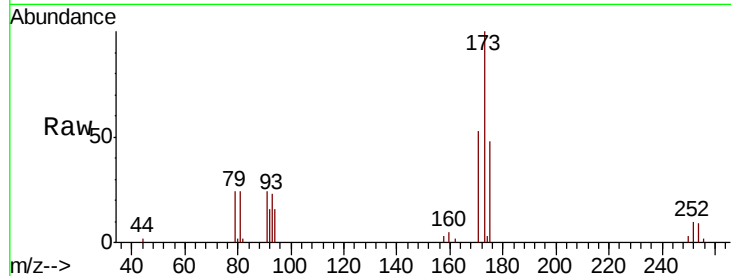
MSVOA_U

ClientSampleId :

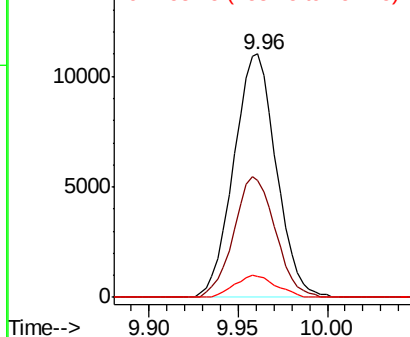
VSTDCCC010EC

Tot Ion:173	Resp:	18293
Ion Ratio	Lower	Upper
173 100		
175 48.4	39.6	59.4
254 8.6	7.8	11.6

Manual Integrations
APPROVED

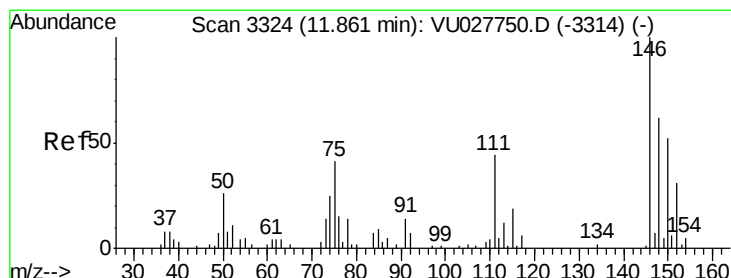
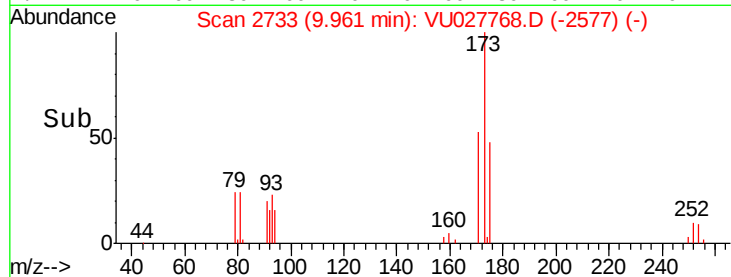


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



sam

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#68

1,2-Dichlorobenzene-d4

Concen: 10.919 ug/l

RT: 11.86 min Scan# 3323

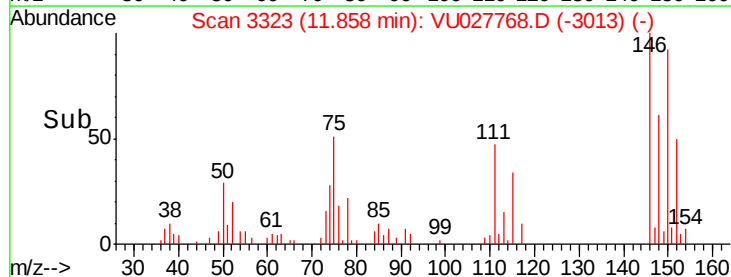
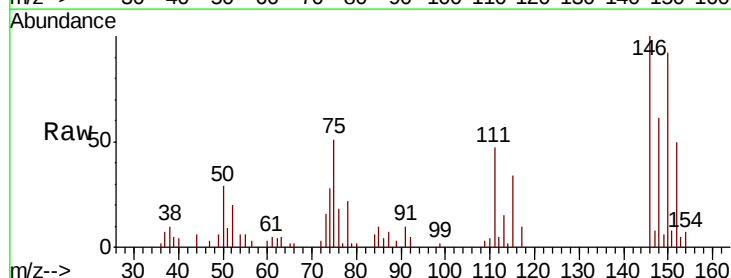
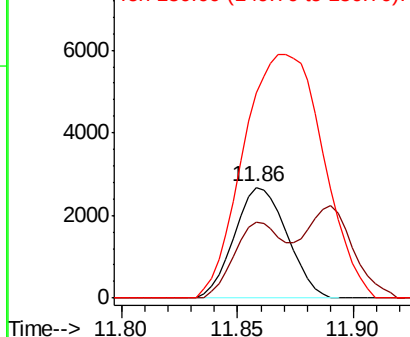
Delta R.T. -0.00 min

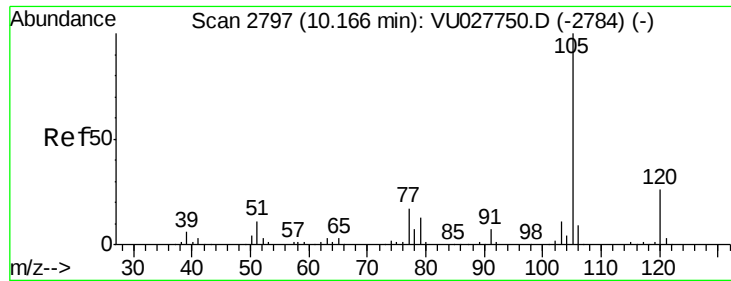
Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Tgt Ion:152	Resp:	4243
Ion Ratio	Lower	Upper
152 100		
115 61.2	0.0	130.2
150 331.9	0.0	650.6

Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



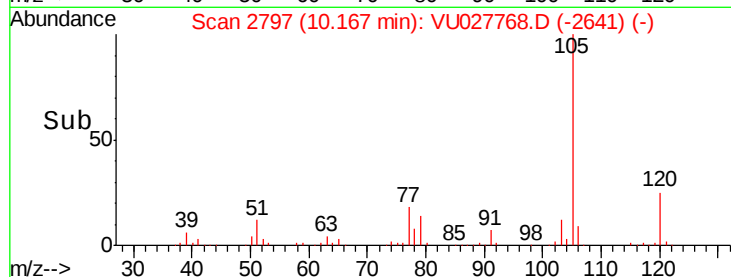
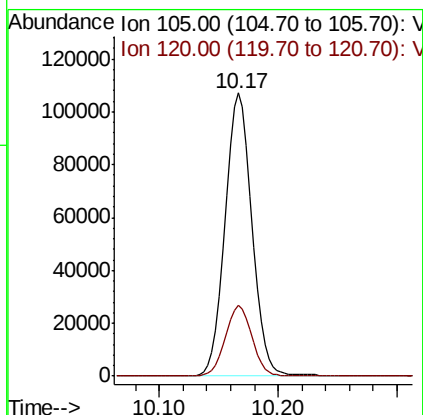
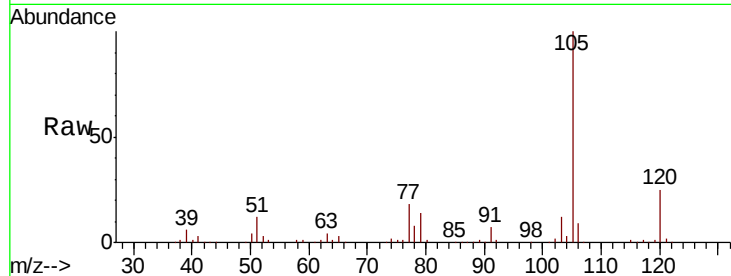


#69
Isopropylbenzene
Concen: 10.749 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

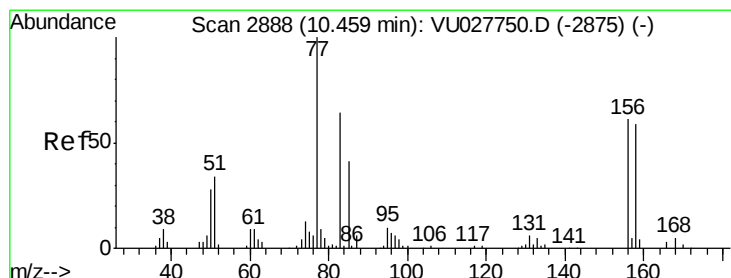
Tot Ion	Ratio	Lower	Upper
105	100		
120	24.7	12.8	38.3

Manual Integrations
APPROVED



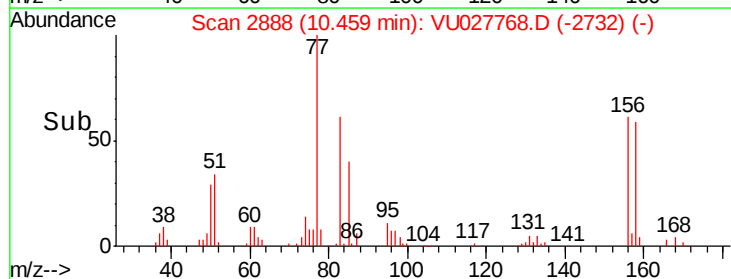
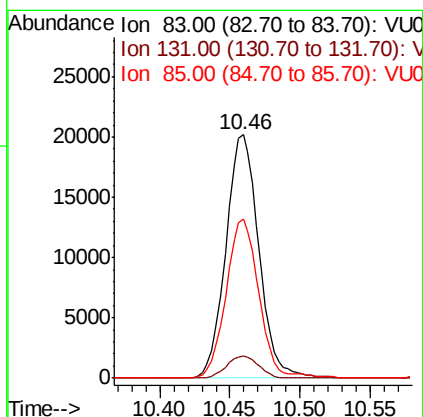
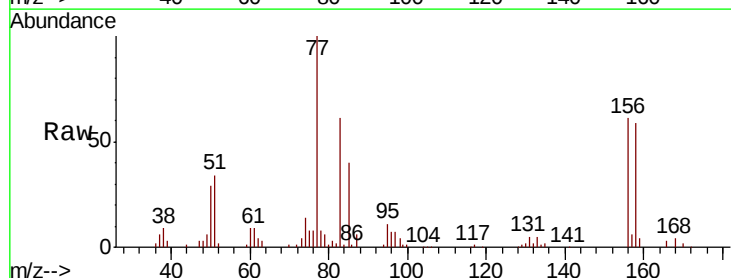
sam

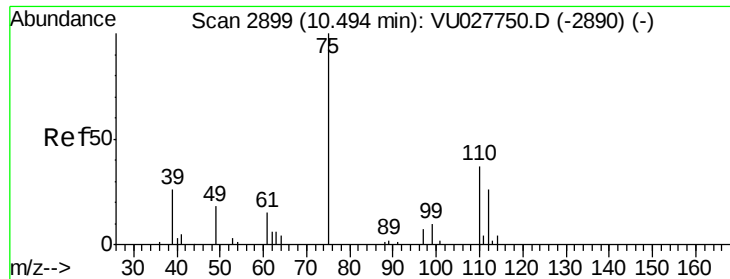
10/24/2018 2:19:50 PM



#70
1,1,2,2-Tetrachloroethane
Concen: 10.766 ug/l
RT: 10.46 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.7	7.7	11.5
85	64.9	51.2	76.8



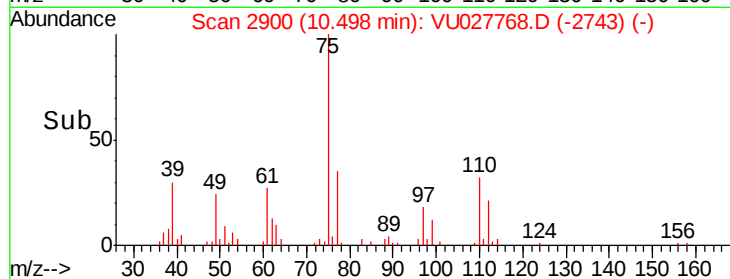
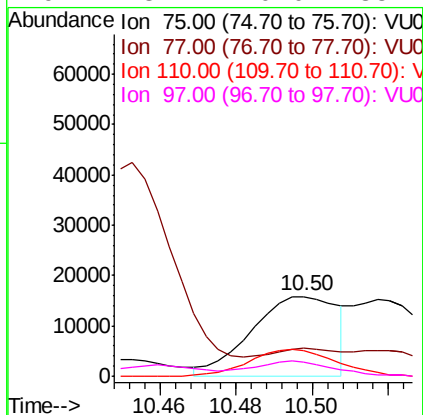
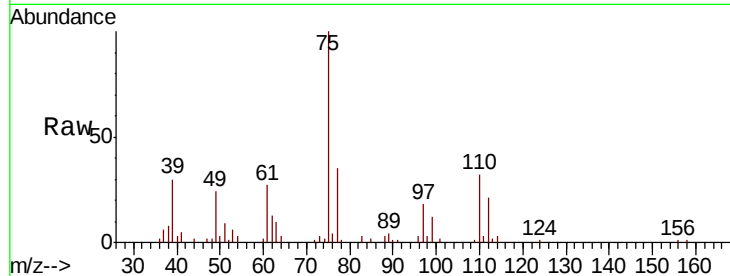


#71
 1,2,3-Trichloropropane
 Concen: 10.476 ug/l m
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

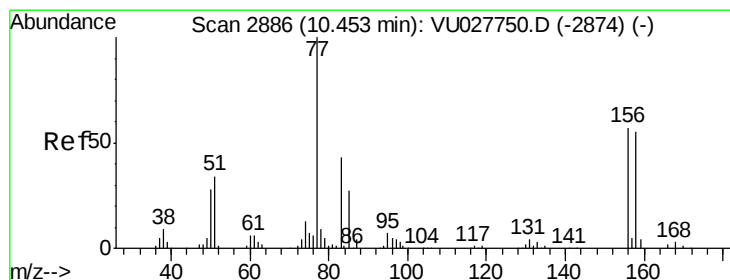
Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	0.0	0.0	0.0	0.0
110	33.8	0.0	68.2	
97	18.4	0.0	35.2	

Manual Integrations
 APPROVED



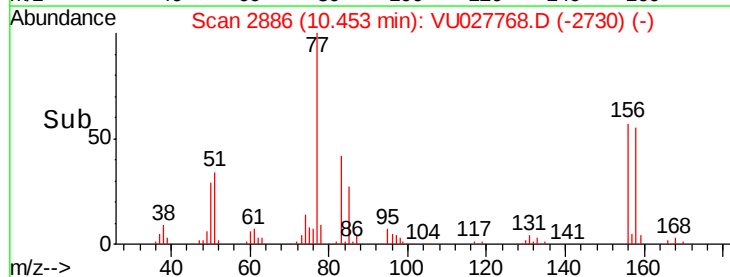
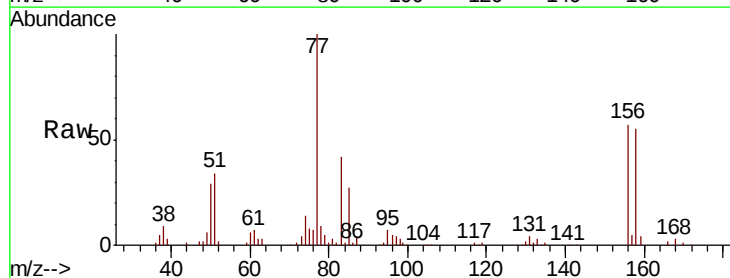
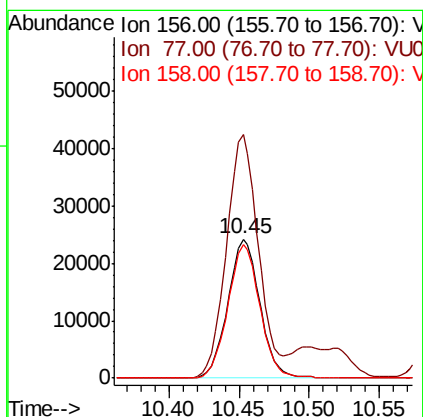
sam

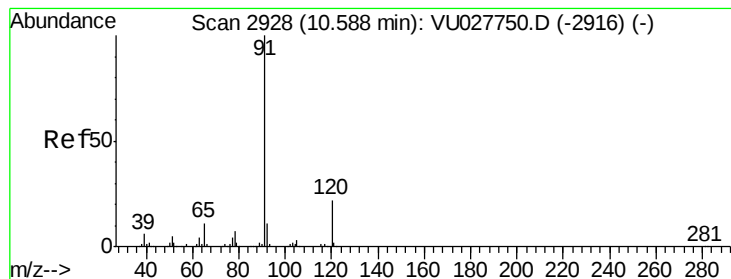
10/24/2018 2:19:50 PM



#72
 Bromobenzene
 Concen: 11.078 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	175.4	0.0	349.4	
158	96.0	0.0	191.4	





#73

n-propylbenzene

Concen: 10.992 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

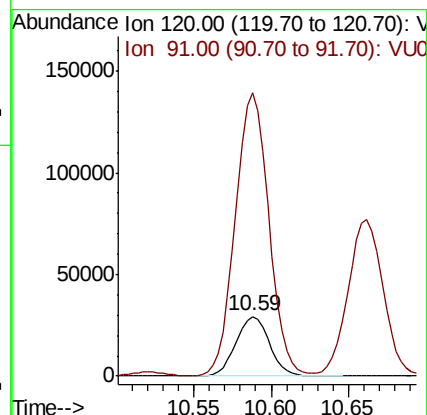
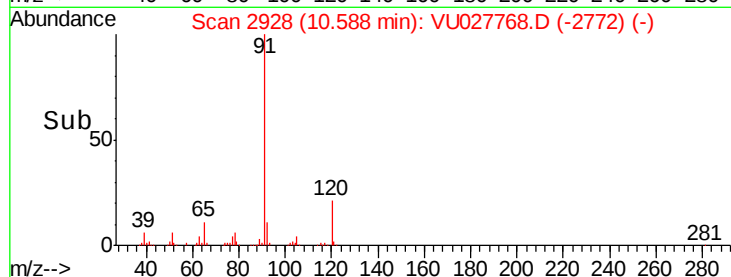
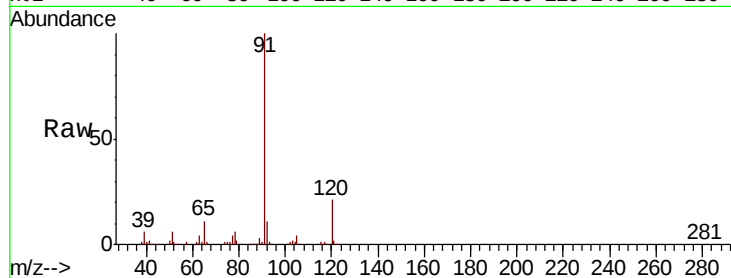
Tot Ion:120 Resp: 44163

Ion Ratio Lower Upper

120 100

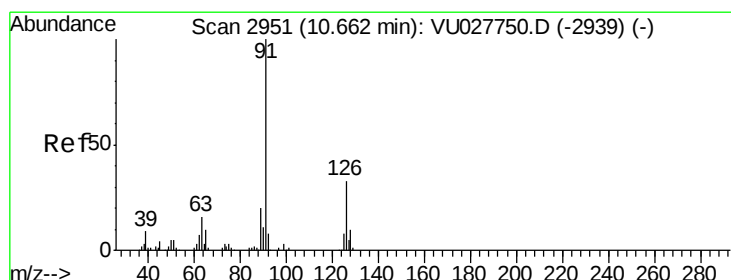
91 473.8 369.0 553.6

Manual Integrations
APPROVED



sam

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#74

2-Chlorotoluene

Concen: 10.878 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027768.D

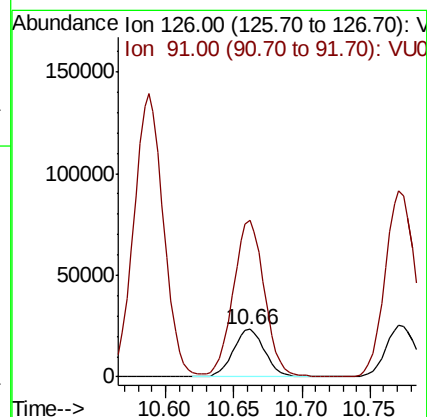
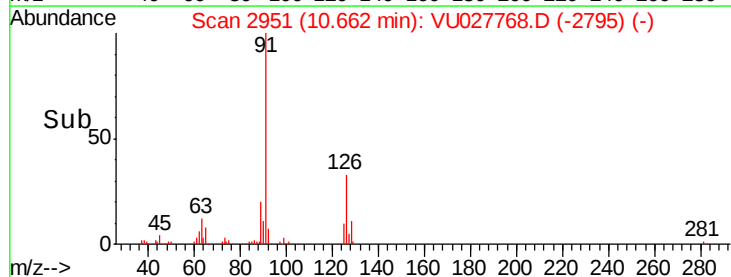
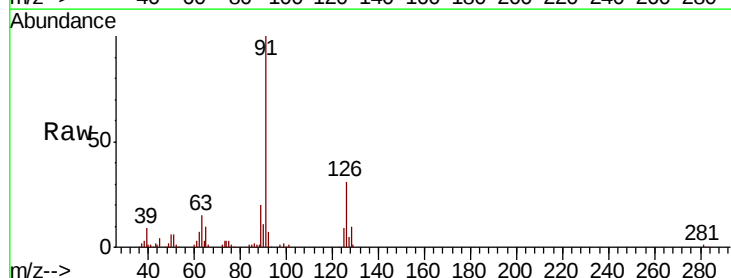
Acq: 23 Oct 2018 17:45

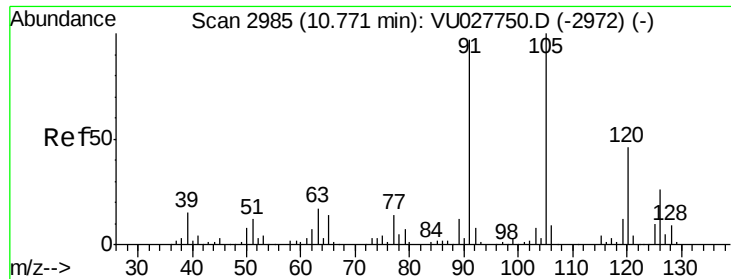
Tgt Ion:126 Resp: 37428

Ion Ratio Lower Upper

126 100

91 323.0 0.0 628.8





#75

1,3,5-Trimethylbenzene

Concen: 10.935 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

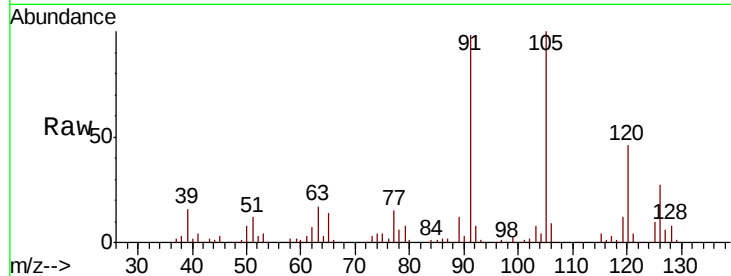
Tot Ion:105 Resp: 142149

Ion Ratio Lower Upper

105 100

120 45.8 37.2 55.8

Manual Integrations
APPROVED



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

80000

60000

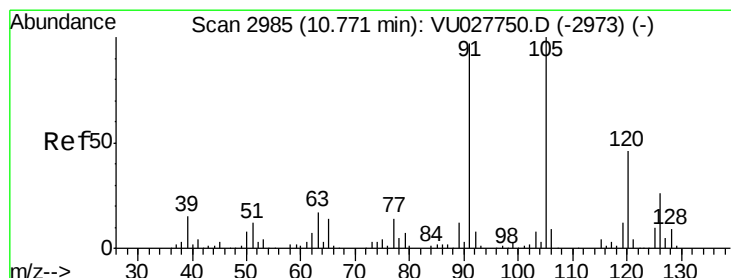
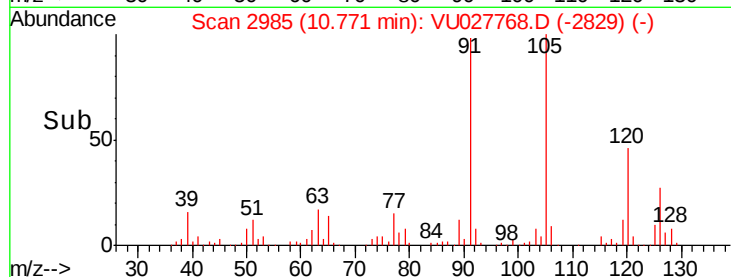
40000

20000

0

Time-->

10.70 10.80



#76

4-Chlorotoluene

Concen: 11.298 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Tgt Ion:126 Resp: 39391

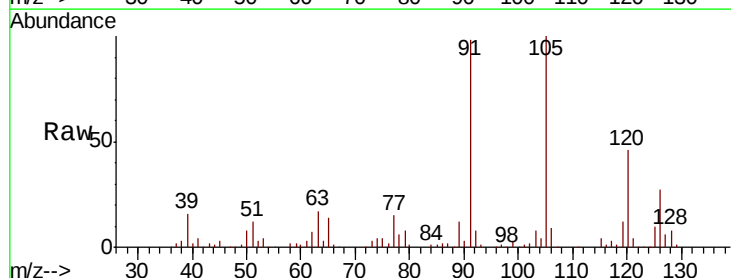
Ion Ratio Lower Upper

126 100

91 360.9 0.0 734.4

sam

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Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.77

80000

60000

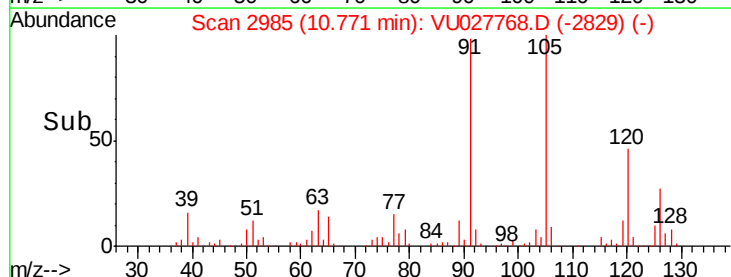
40000

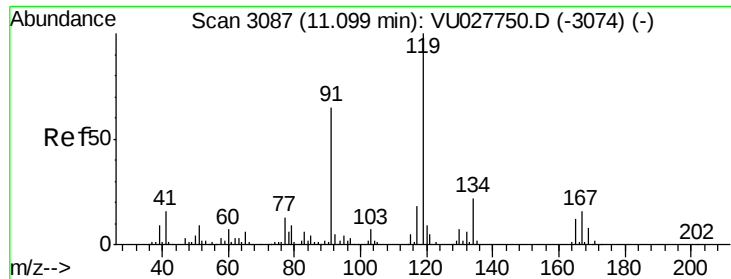
20000

0

Time-->

10.70 10.75 10.80 10.85



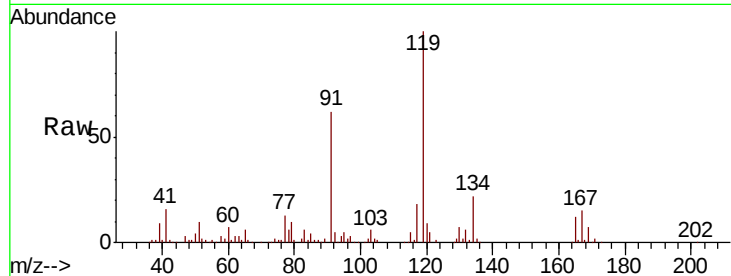


#77
 tert-Butylbenzene
 Concen: 10.908 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

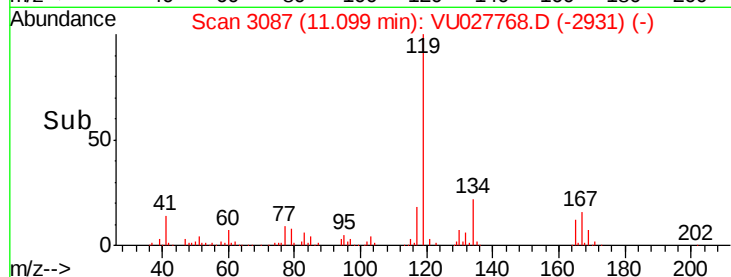
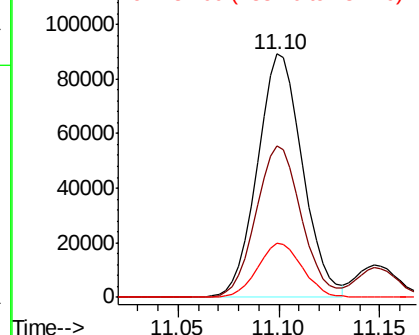
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139466		
91	62.3		31.8	95.4
134	22.0		17.7	26.5

Manual Integrations
 APPROVED

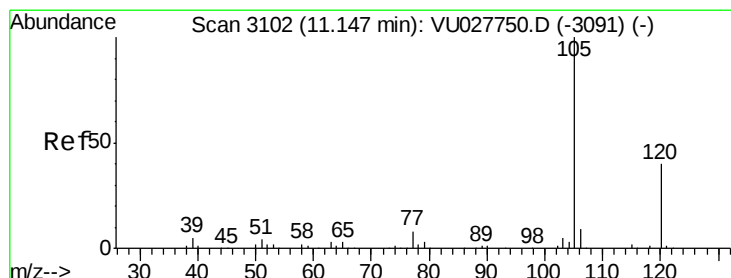


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V



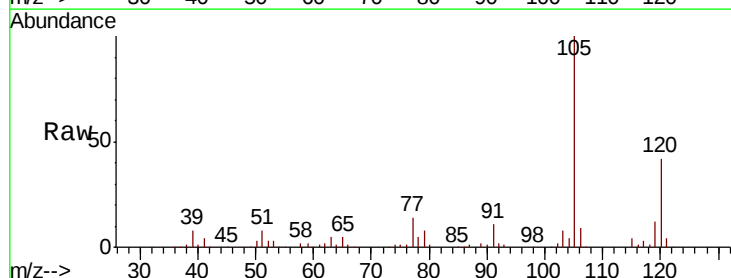
sam

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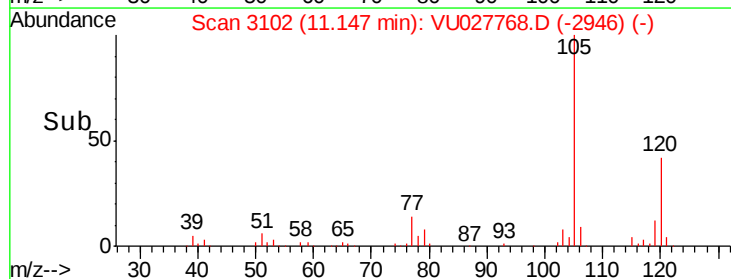
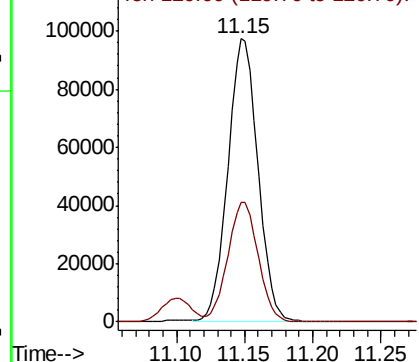


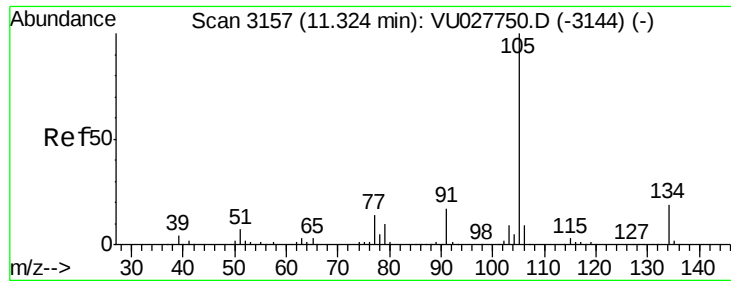
#78
 1,2,4-Trimethylbenzene
 Concen: 11.159 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	149032		
120	42.6		21.6	64.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 11.049 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC010EC

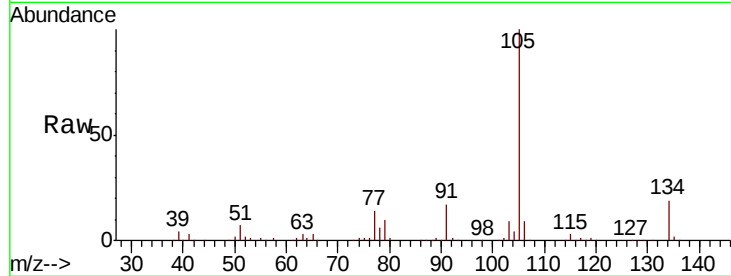
Tot Ion: 105 Resp: 187086

Ion Ratio Lower Upper

105 100

134 18.9 15.2 22.8

Manual Integrations
APPROVED



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

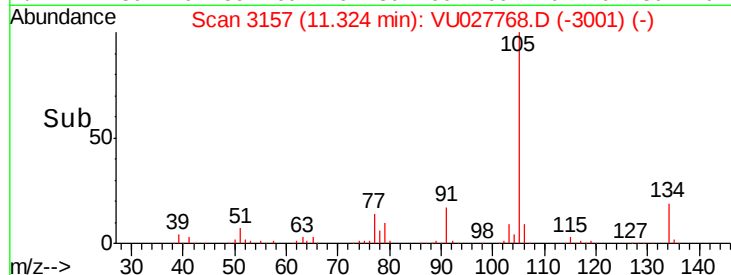
100000

50000

0

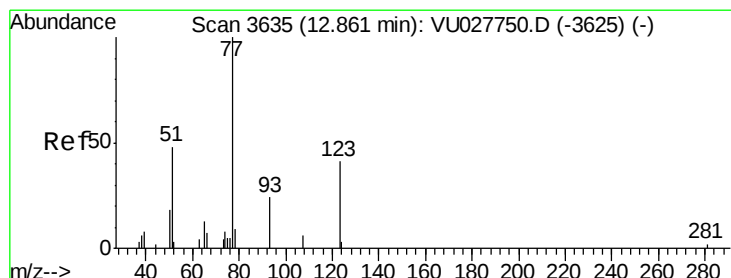
Time-->

11.30 11.40



sam

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#80

Nitrobenzene

Concen: 53.779 ug/l

RT: 12.86 min Scan# 3635

Delta R.T. 0.00 min

Lab File: VU027768.D

Acq: 23 Oct 2018 17:45

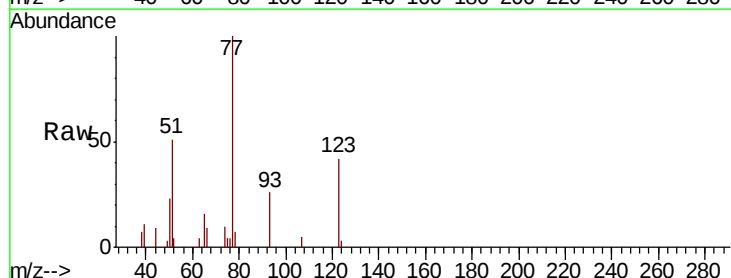
Tgt Ion: 77 Resp: 6084

Ion Ratio Lower Upper

77 100

123 38.2 16.9 59.9

65 17.7 13.1 16.7#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.86

4000

3000

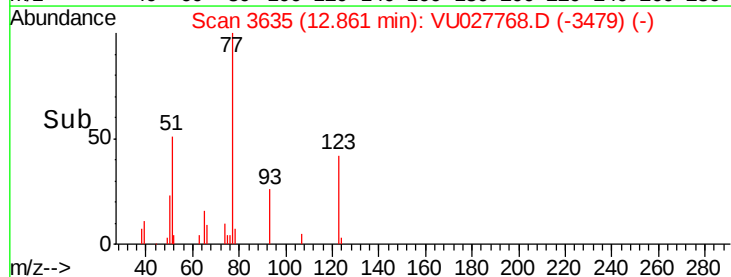
2000

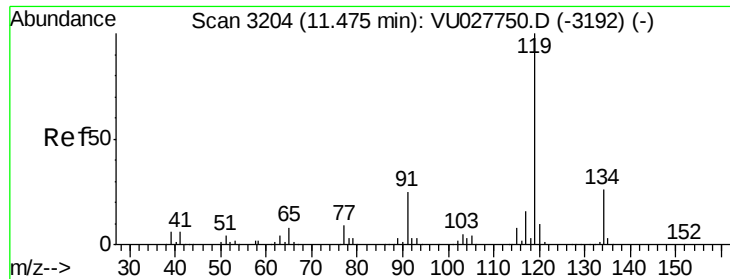
1000

0

Time-->

12.80 12.85 12.90



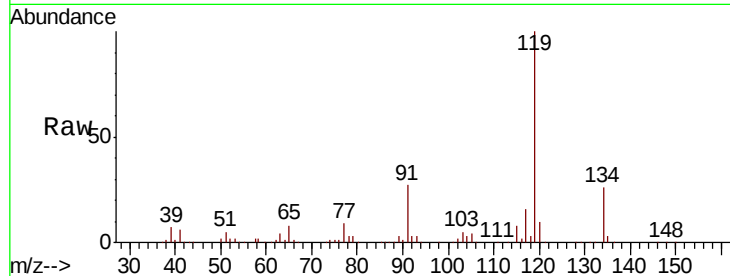


#81
 p-Isopropyltoluene
 Concen: 11.175 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.3	30.5
91	26.1	20.2	30.4

Manual Integrations
 APPROVED

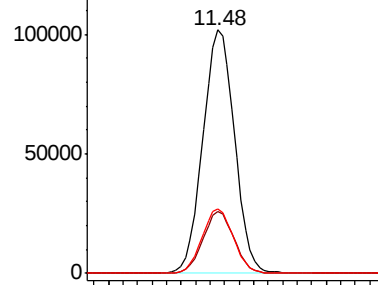


Abundance

Ion 119.00 (118.70 to 119.70): V

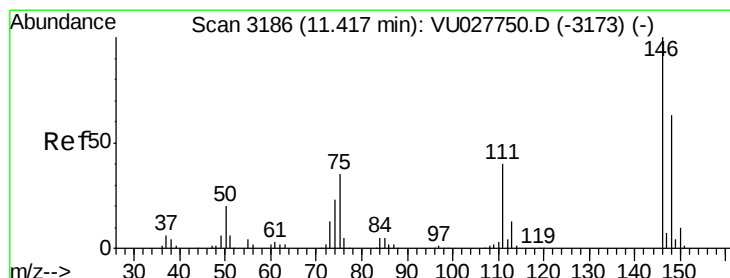
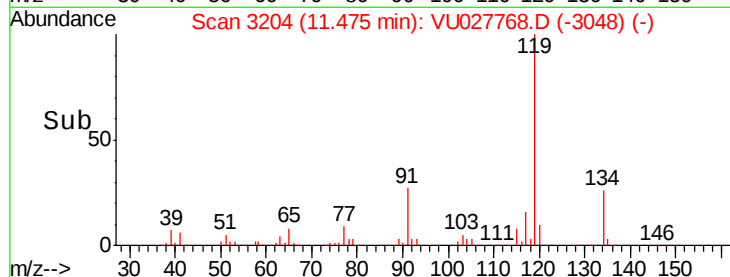
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



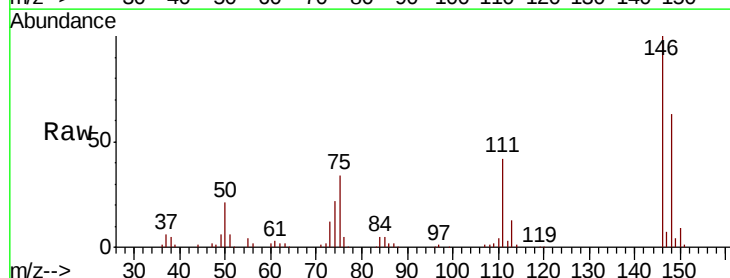
sam

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#82
 1,3-Dichlorobenzene
 Concen: 11.068 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	32.7	49.1
148	63.8	50.6	75.8

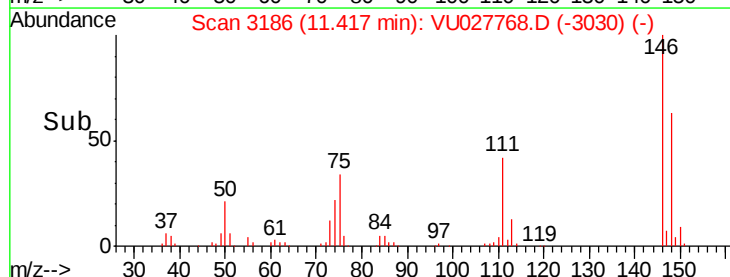
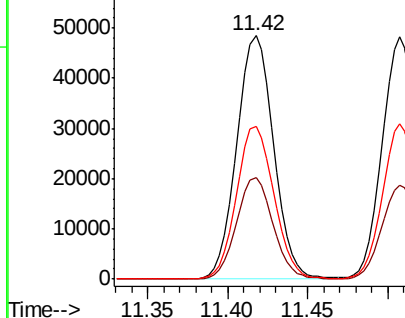


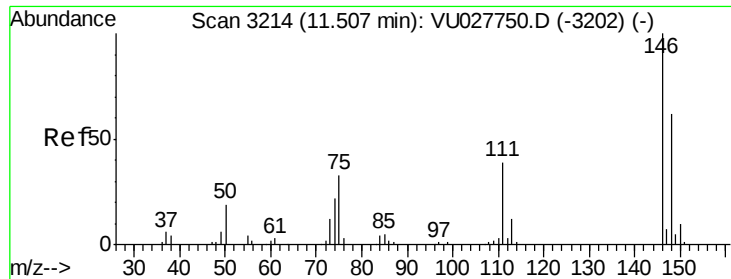
Abundance

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



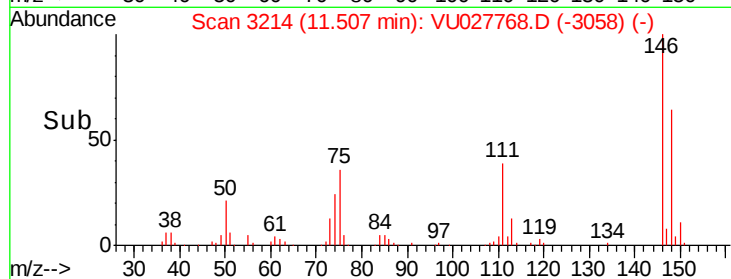
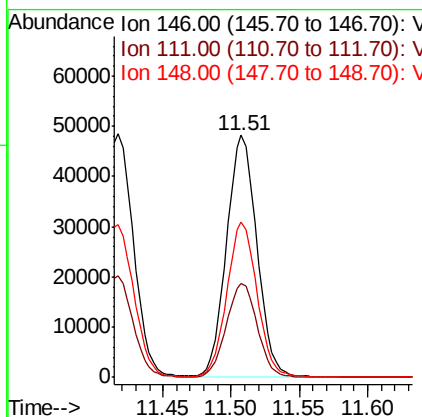
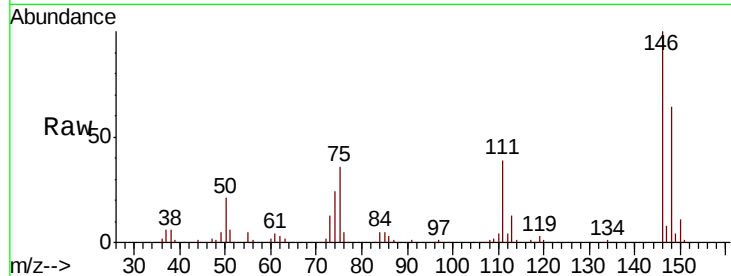


#83
 1,4-Dichlorobenzene
 Concen: 10.916 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

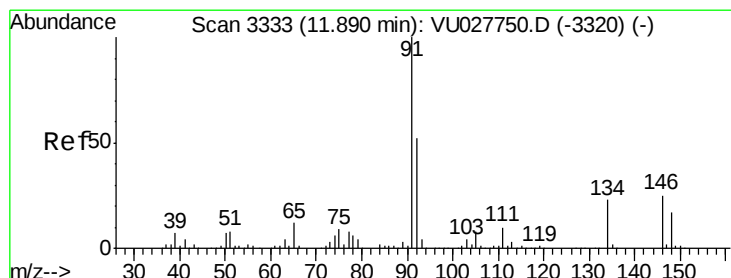
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	32.0	48.0
148	63.7	50.9	76.3

Manual Integrations
 APPROVED



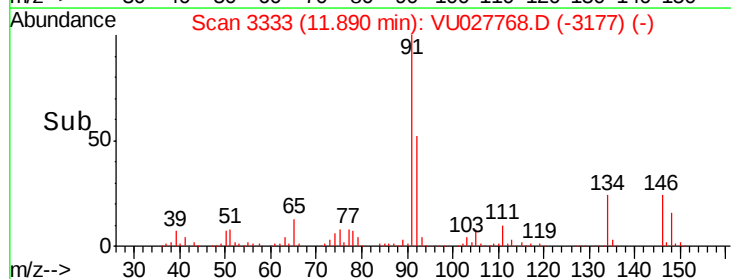
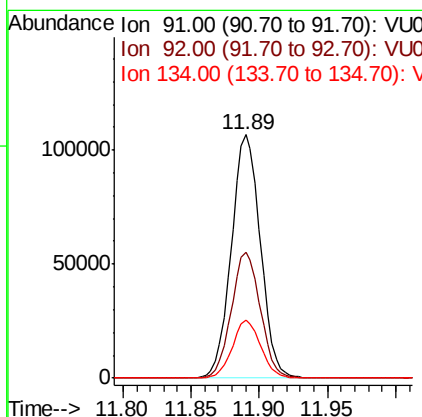
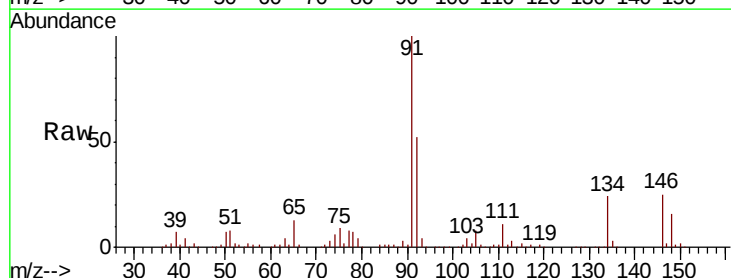
sam

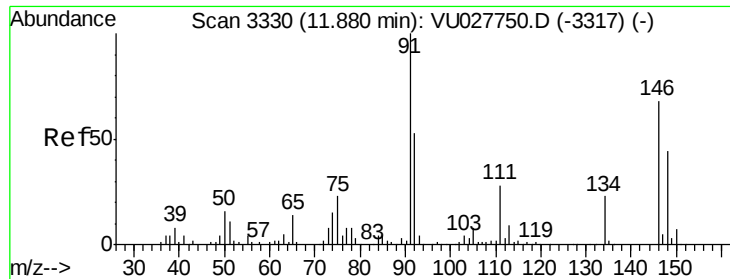
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#84
 n-Butylbenzene
 Concen: 11.738 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	42.1	63.1
134	23.3	18.6	28.0



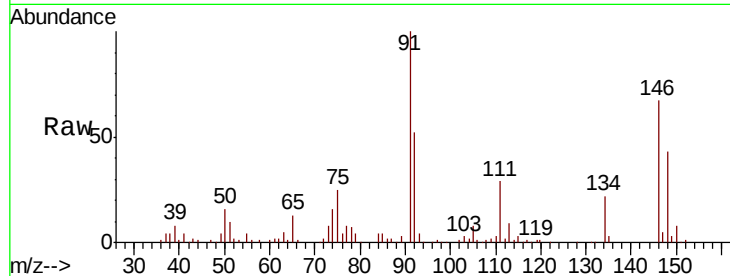


#85
 1,2-Dichlorobenzene
 Concen: 10.882 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.2	63.6
148	63.0	32.2	96.6

Manual Integrations
 APPROVED

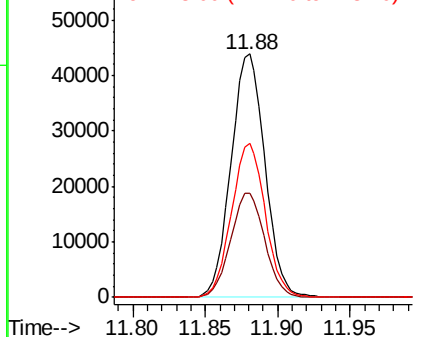


Abundance

Ion 146.00 (145.70 to 146.70): V

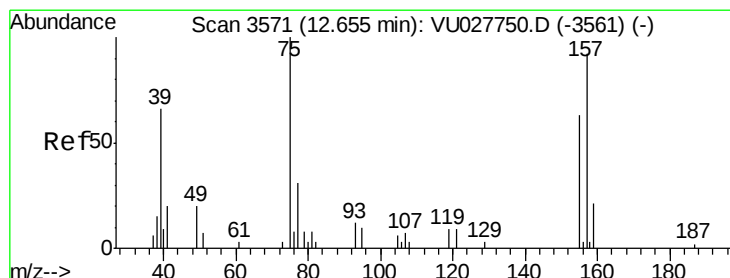
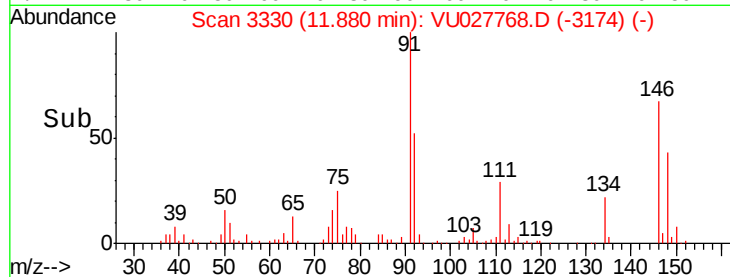
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



sam

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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.559 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

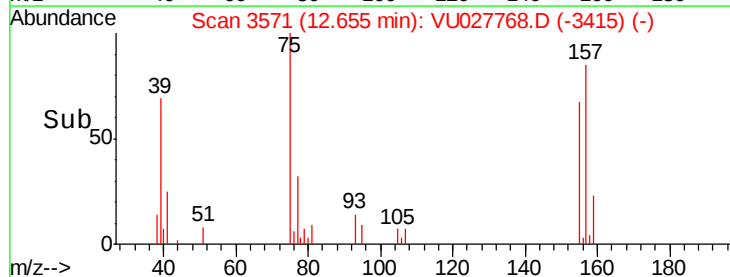
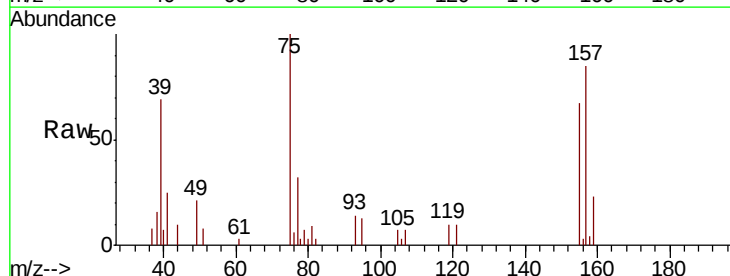
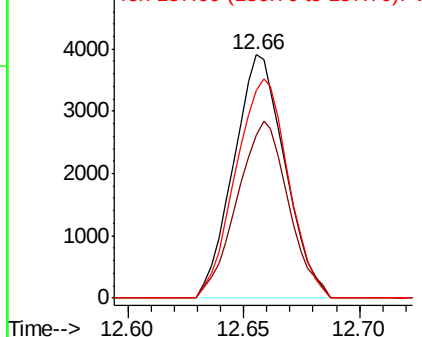
Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.6	55.5	83.3
157	92.5	71.0	106.4

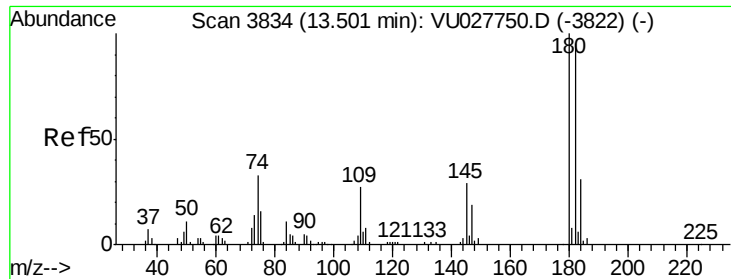
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



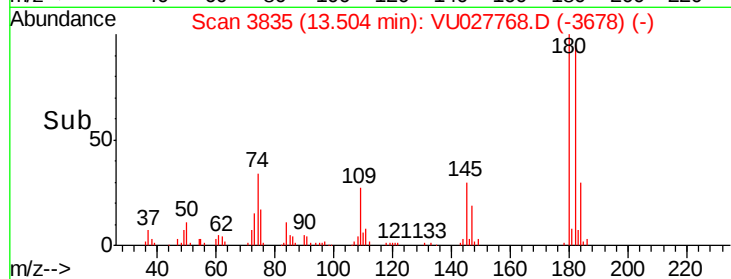
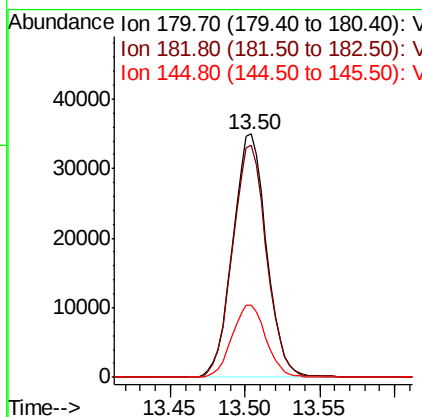
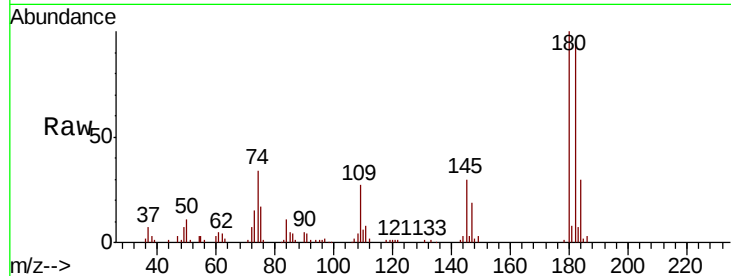


#87
 1,2,4-Trichlorobenzene
 Concen: 11.542 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

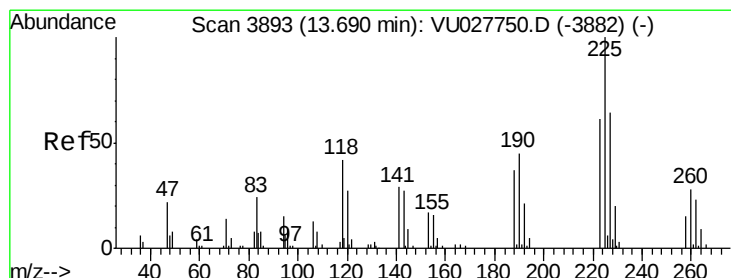
Tot Ion:	180	Resp:	54968
Ion Ratio	Lower	Upper	
180	100		
182	95.8	75.9	113.9
145	29.8	23.6	35.4

Manual Integrations
 APPROVED



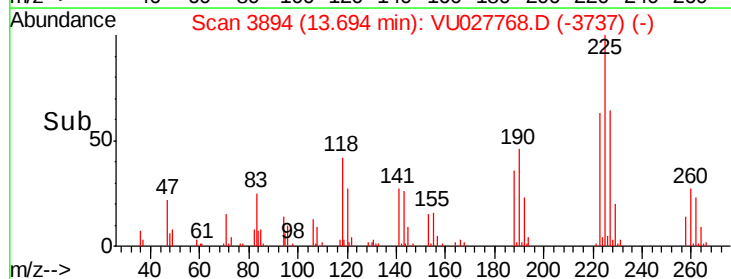
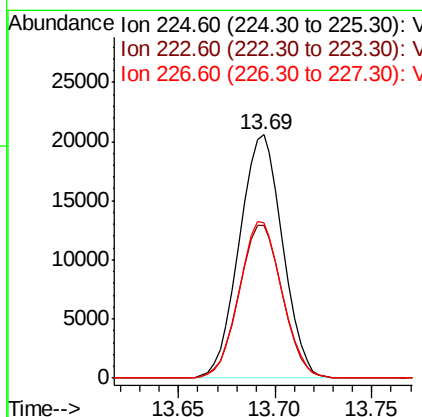
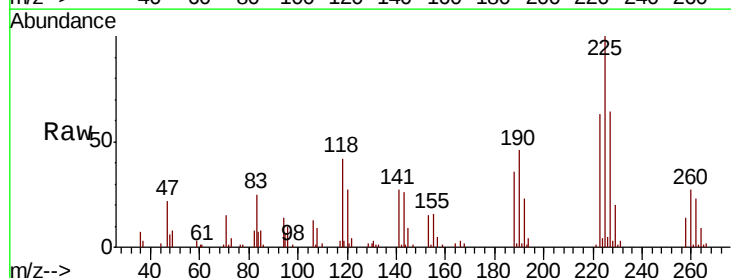
sam

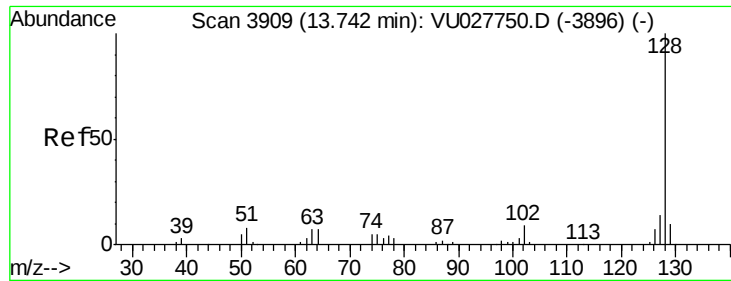
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#88
 Hexachlorobutadiene
 Concen: 11.230 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027768.D
 Acq: 23 Oct 2018 17:45

Tgt Ion:	225	Resp:	32079
Ion Ratio	Lower	Upper	
225	100		
223	62.9	49.6	74.4
227	63.4	51.1	76.7



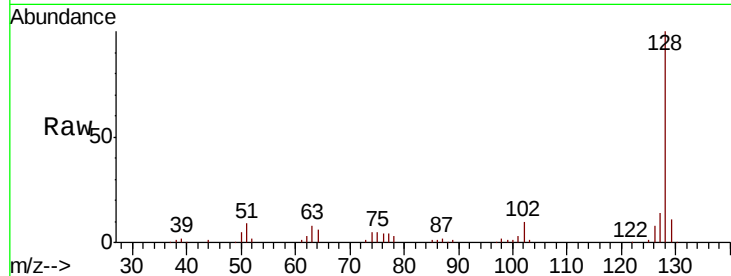


#89
Naphthalene
Concen: 11.087 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.0	8.5	12.7

Manual Integrations
APPROVED

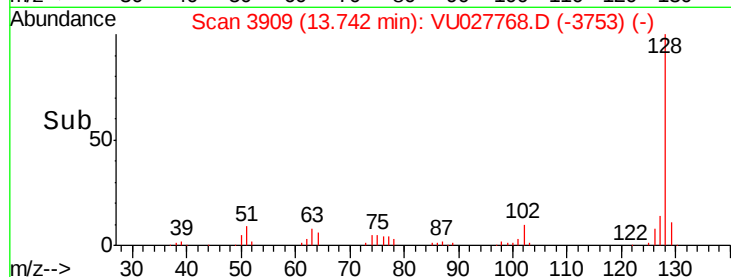
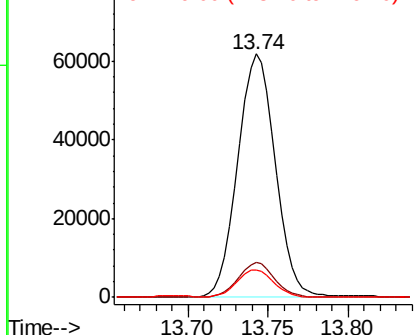


Abundance

Ion 128.00 (127.70 to 128.70): V

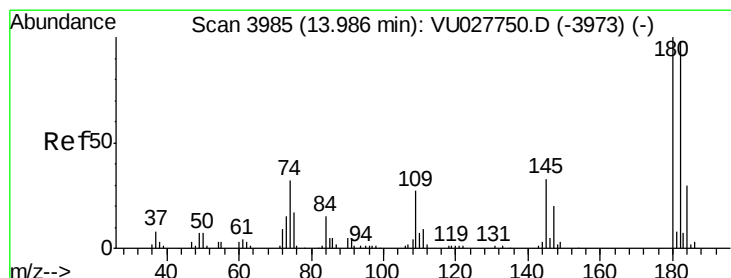
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



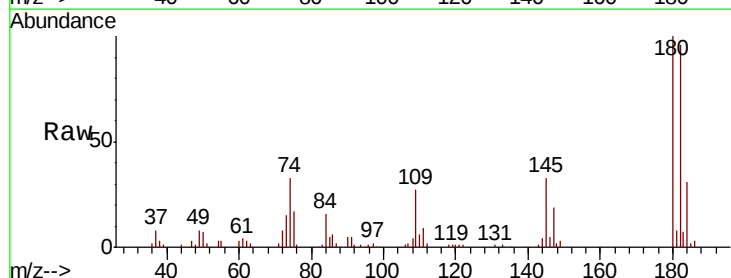
sam

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#90
1,2,3-Trichlorobenzene
Concen: 11.132 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027768.D
Acq: 23 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.0	115.6
145	31.6	25.4	38.2



Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

