

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027746.D
 Acq On : 22 Oct 2018 17:32
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

sam
 10/24/2018 2:18:52 PM

Quant Time: Oct 23 09:10:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 04:01:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.75	96	13611	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5198	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4671	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	2593	0.452	ug/l	99
3) Chloromethane	1.33	50	3015	0.489	ug/l	96
4) Vinyl Chloride	1.40	62	2813	0.488	ug/l	94
5) Bromomethane	1.63	94	1537	0.556	ug/l	87
6) Chloroethane	1.70	64	1602	0.053	ug/l #	82
7) Trichlorofluoromethane	1.89	101	3263	0.482	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1765	0.471	ug/l #	89
9) 1,1-Dichloroethene	2.29	96	1451	0.434	ug/l	81
10) Iodomethane	2.41	142	1468	0.326	ug/l	89
11) Allyl Chloride	2.59	41	3979m	0.507	ug/l	
12) Acrylonitrile	2.96	53	997	0.938	ug/l #	82
13) Acetone	2.35	43	2687m	2.320	ug/l	
14) Carbon Disulfide	2.48	76	5844	0.482	ug/l #	95
15) Methylene Chloride	2.70	84	2478	0.607	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	1648	0.440	ug/l	92
17) 1,1-Dichloroethane	3.45	63	3801	0.486	ug/l #	94
18) 2-Butanone	4.31	43	3768m	2.618	ug/l	
19) Cyclohexane	5.00	56	3484	0.487	ug/l	91
20) Methylcyclohexane	6.41	83	3270	0.467	ug/l	94
21) 2,2-Dichloropropane	4.23	77	3571	0.515	ug/l #	67
22) cis-1,2-Dichloroethene	4.23	96	2010	0.472	ug/l	96
23) Diethyl Ether	2.11	59	1493	0.474	ug/l	89
24) tert-Butyl Alcohol	2.90	59	1447m	4.796	ug/l	
25) Methyl tert-Butyl Ether	3.01	73	4837	0.457	ug/l	96
26) Bromochloromethane	4.55	128	794	0.461	ug/l	96
27) Chloroform	4.68	83	3566	0.462	ug/l	91
28) 1,1,1-Trichloroethane	4.92	97	3234	0.485	ug/l	95
29) 1,1-Dichloropropene	5.14	75	2726	0.464	ug/l	97
30) Carbon Tetrachloride	5.13	117	2909	0.490	ug/l	94
31) Isopropyl Ether	3.58	45	6649	0.452	ug/l	90
32) Ethyl-t-butyl ether	4.08	59	5964	0.460	ug/l	98
33) Tert-Amyl methyl ether	5.59	73	4948	0.454	ug/l #	97
34) Propionitrile	4.37	54	686m	1.775	ug/l	
35) Benzene	5.39	78	7564	0.458	ug/l	99
36) 1,2-Dichloroethane	5.41	62	2523	0.479	ug/l #	79
37) Trichloroethene	6.19	130	2044	0.503	ug/l	94
38) 1,2-Dichloropropane	6.44	63	2077	0.446	ug/l	100
39) Methacrylonitrile	4.57	41	886	0.465	ug/l #	66
40) Methyl acrylate	4.44	55	1128	0.437	ug/l #	76
41) Tetrahydrofuran	4.67	42	1217m	1.190	ug/l	
42) 1-Chlorobutane	5.07	56	4202	0.457	ug/l	95

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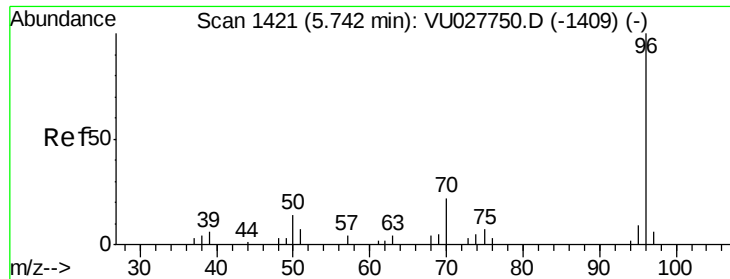
Manual Integrations
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Quant Time: Oct 23 09:10:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 04:01:57 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.57	93	909	0.438	ug/l	97
44) Bromodichloromethane	6.76	83	2657	0.477	ug/l	86
45) 4-Methyl-2-Pentanone	7.47	43	7894	2.248	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	1226m	0.944	ug/l	
47) Methyl methacrylate	6.64	69	1906	0.831	ug/l	92
48) Ethyl methacrylate	8.03	69	2049	0.417	ug/l	80
49) Toluene	7.64	92	4471	0.447	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	2701	0.477	ug/l	92
51) cis-1,3-Dichloropropene	7.27	75	2960	0.441	ug/l	94
52) 1,1,2-Trichloroethane	8.07	97	1227	0.418	ug/l #	89
53) 1,3-Dichloropropane	8.25	76	2538	0.468	ug/l	94
54) 2-Hexanone	8.37	43	5550	2.145	ug/l	98
55) Dibromochloromethane	8.48	129	1617	0.453	ug/l	89
56) 1,2-Dibromoethane	8.59	107	1281	0.462	ug/l	93
58) Tetrachloroethene	8.23	164	1779	0.483	ug/l	97
59) Chlorobenzene	9.12	112	4788	0.457	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	1829	0.482	ug/l	91
61) Pentachloroethane	11.10	117	1091	0.371	ug/l	98
62) Hexachloroethane	12.15	117	1317	0.416	ug/l	95
63) Ethyl Benzene	9.25	91	8976	0.464	ug/l	96
64) m/p-Xylenes	9.37	106	6329	0.894	ug/l	94
65) o-Xylene	9.78	106	3314	0.469	ug/l	95
66) Styrene	9.79	104	4984	0.426	ug/l	95
67) Bromoform	9.96	173	913	0.441	ug/l #	88
69) Isopropylbenzene	10.17	105	8679	0.459	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	1700	0.446	ug/l #	92
71) 1,2,3-Trichloropropane	10.50	75	1204m	0.407	ug/l	
72) Bromobenzene	10.46	156	1788	0.423	ug/l	87
73) n-propylbenzene	10.59	120	2170	0.448	ug/l	95
74) 2-Chlorotoluene	10.66	126	1948	0.450	ug/l	92
75) 1,3,5-Trimethylbenzene	10.77	105	7196	0.456	ug/l	97
76) 4-Chlorotoluene	10.77	126	1815	0.435	ug/l	87
77) tert-Butylbenzene	11.10	119	7115	0.455	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	7304	0.449	ug/l	96
79) sec-Butylbenzene	11.32	105	9535	0.476	ug/l	99
81) p-Isopropyltoluene	11.48	119	7498	0.459	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	3721	0.458	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	3898	0.486	ug/l	99
84) n-Butylbenzene	11.89	91	6774	0.440	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	3664	0.473	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	322	0.478	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.51	180	2292	0.403	ug/l	98
88) Hexachlorobutadiene	13.69	225	1539	0.455	ug/l	96
89) Naphthalene	13.75	128	4653	0.414	ug/l #	94
90) 1,2,3-Trichlorobenzene	13.99	180	2390	0.455	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1422

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

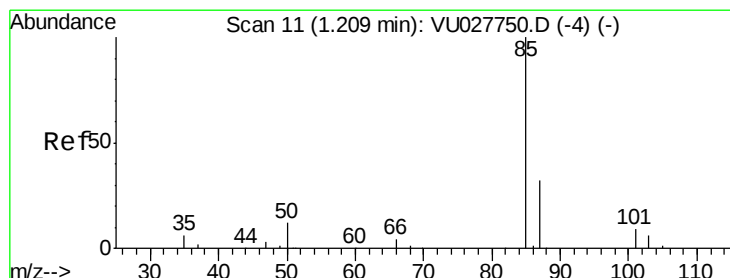
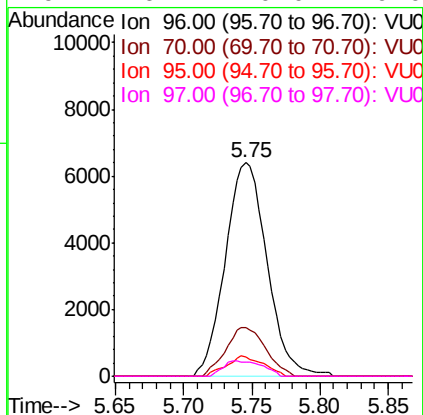
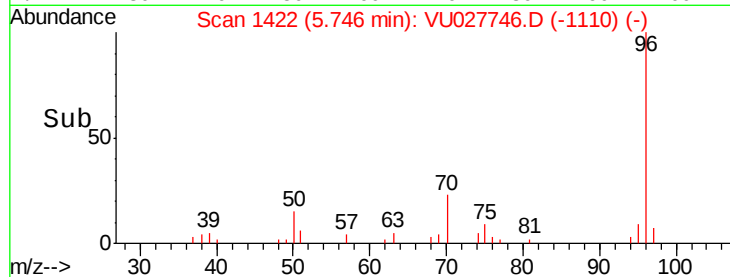
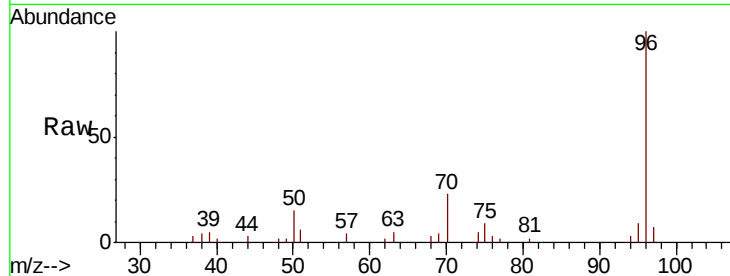
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	13611
Ion Ratio	Lower	Upper	
96	100		
70	21.8	17.7	26.5
95	8.3	7.0	10.6
97	6.7	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.452 ug/l

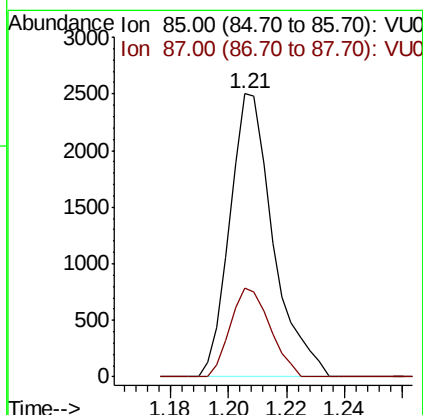
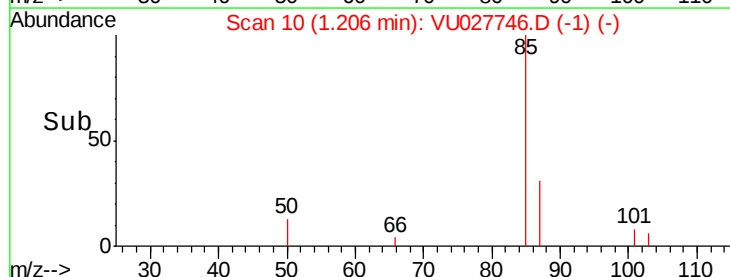
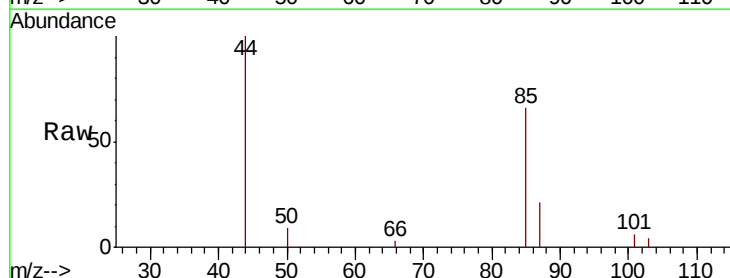
RT: 1.21 min Scan# 10

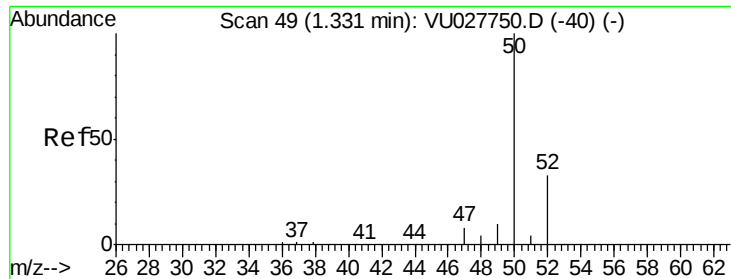
Delta R.T. -0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Tgt Ion:	85	Resp:	2593
Ion Ratio	Lower	Upper	
85	100		
87	31.3	15.9	47.6





#3

Chloromethane

Concen: 0.489 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 3015

Ion Ratio Lower Upper

50 100

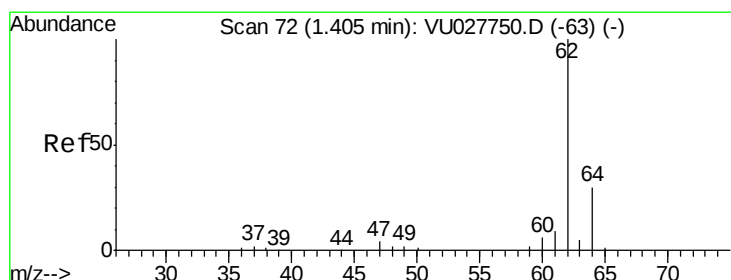
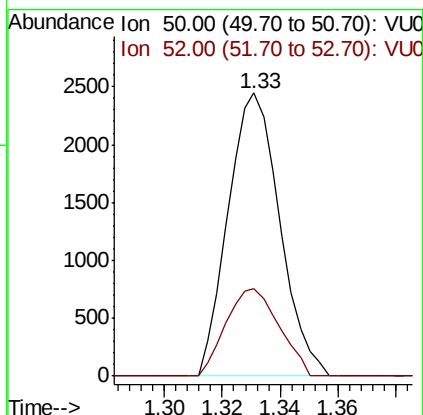
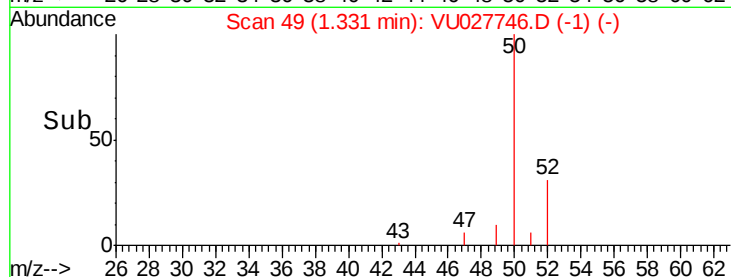
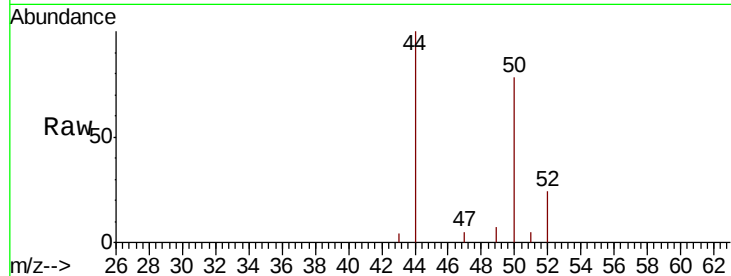
52 31.2 26.6 40.0

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#4

Vinyl Chloride

Concen: 0.488 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027746.D

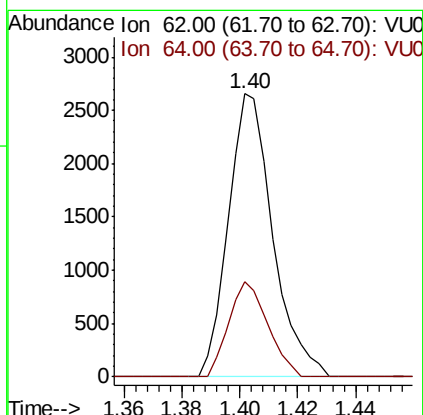
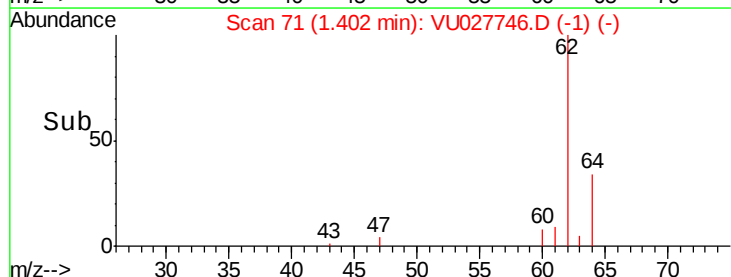
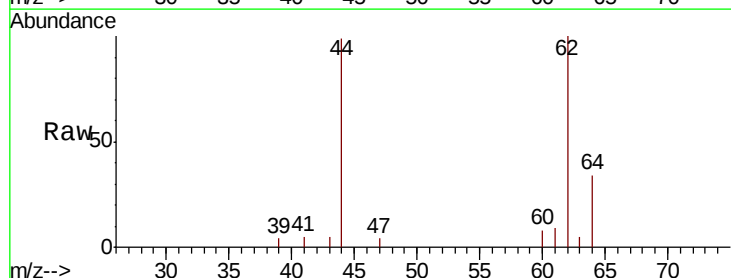
Acq: 22 Oct 2018 17:32

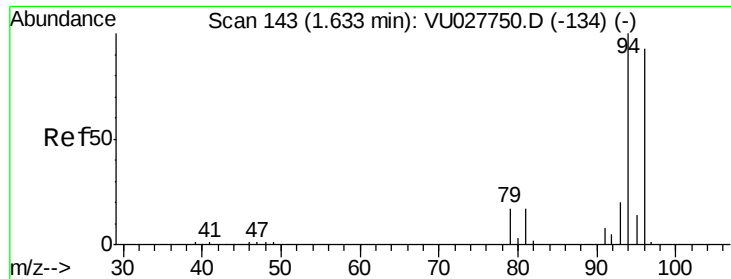
Tgt Ion: 62 Resp: 2813

Ion Ratio Lower Upper

62 100

64 33.5 24.3 36.5





#5

Bromomethane

Concen: 0.556 ug/l

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 1537

Ion Ratio Lower Upper

94 100

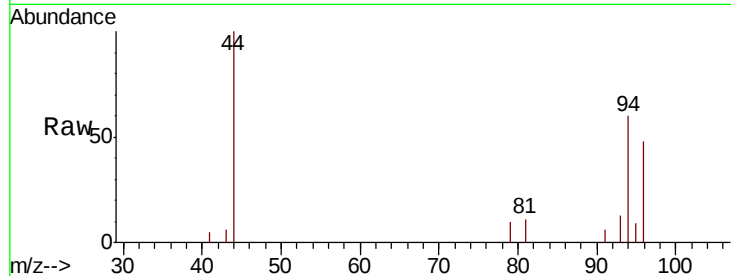
96 80.2 74.2 111.4

Manual Integrations

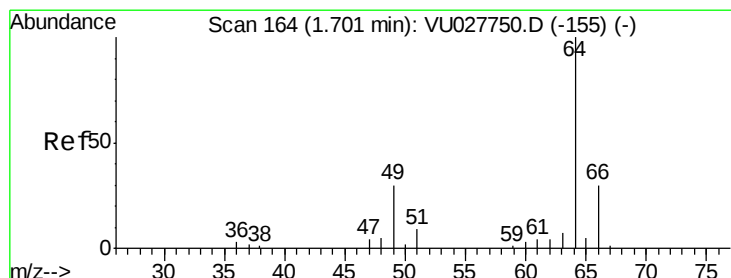
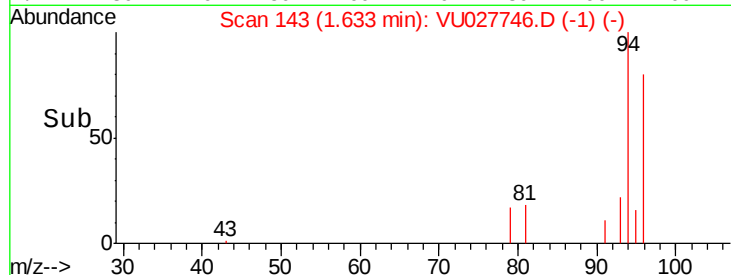
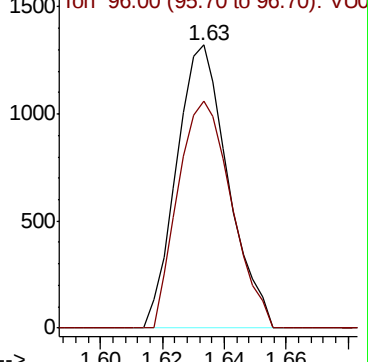
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Abundance Ion 94.00 (93.70 to 94.70): VU027746.D (-1) (-)



#6

Chloroethane

Concen: 0.053 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027746.D

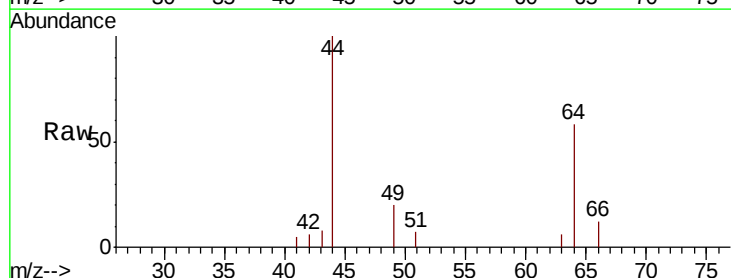
Acq: 22 Oct 2018 17:32

Tgt Ion: 64 Resp: 1602

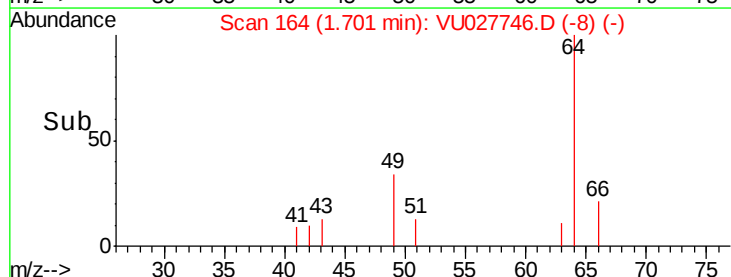
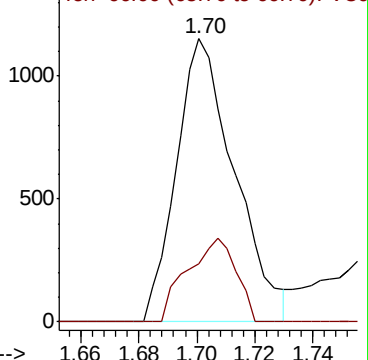
Ion Ratio Lower Upper

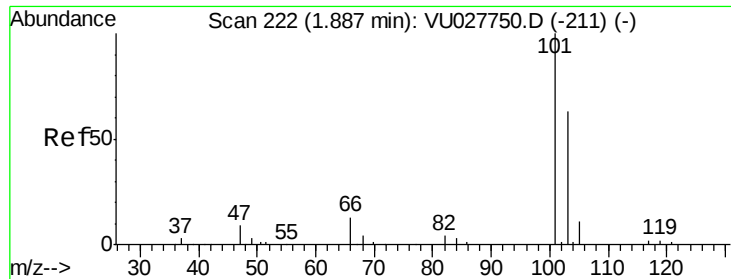
64 100

66 20.7 24.3 36.5#



Abundance Ion 64.00 (63.70 to 64.70): VU027746.D (-8) (-)





#7

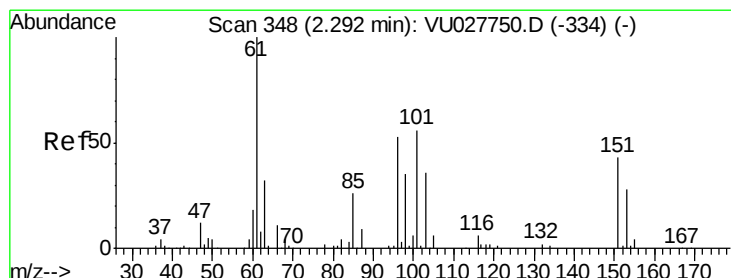
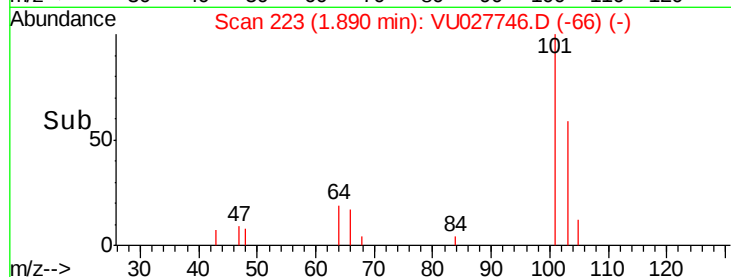
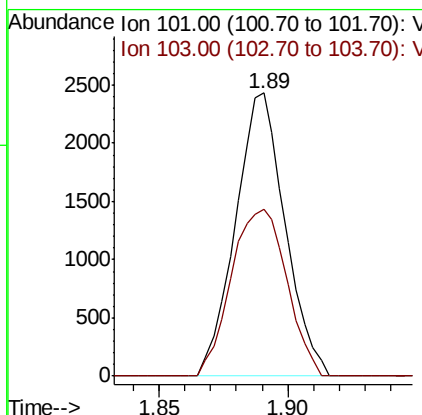
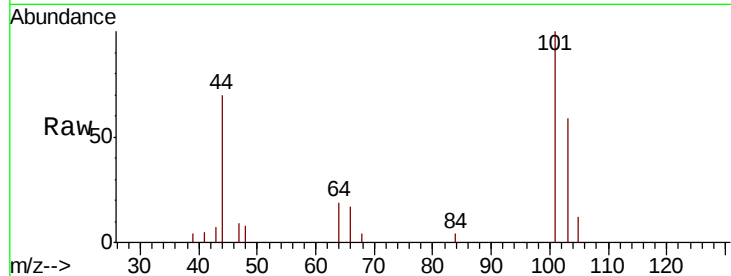
Trichlorofluoromethane
Concen: 0.482 ug/l
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.7	50.2	75.2

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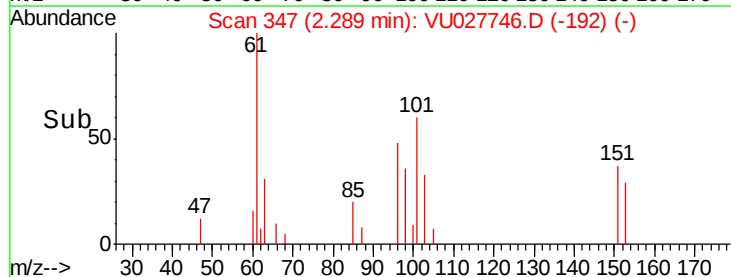
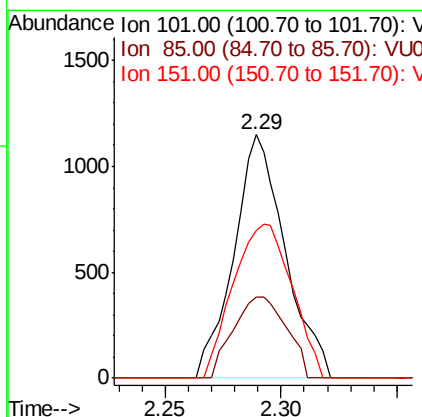
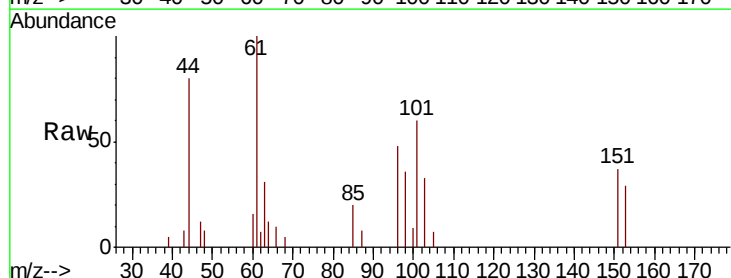
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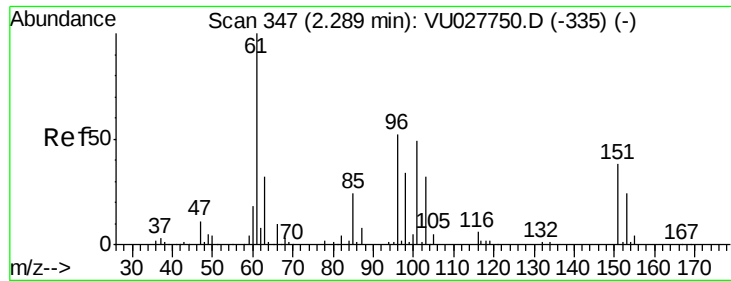


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.471 ug/l
RT: 2.29 min Scan# 347
Delta R.T. -0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
101	100		
85	34.6	38.2	57.2#
151	72.4	61.8	92.8





#9

1,1-Dichloroethene

Concen: 0.434 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

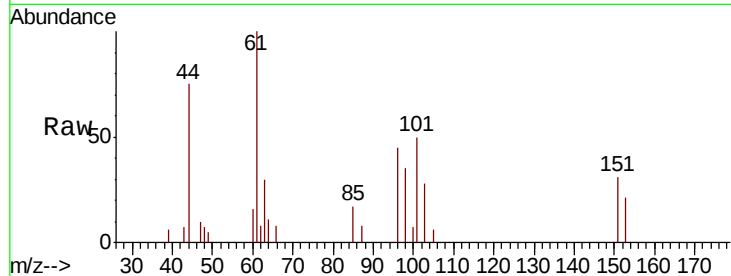
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	1451
Ion	Ratio	Lower	Upper
96	100		
61	224.3	0.0	581.4
98	77.8	0.0	131.2

Manual Integrations
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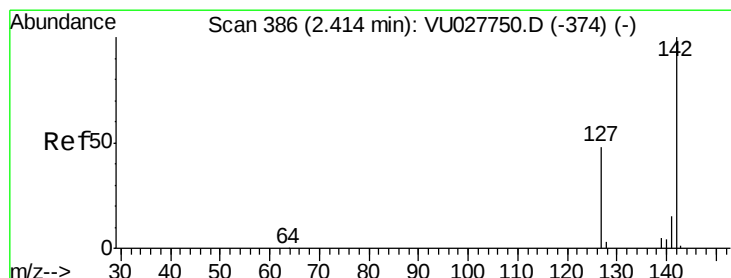
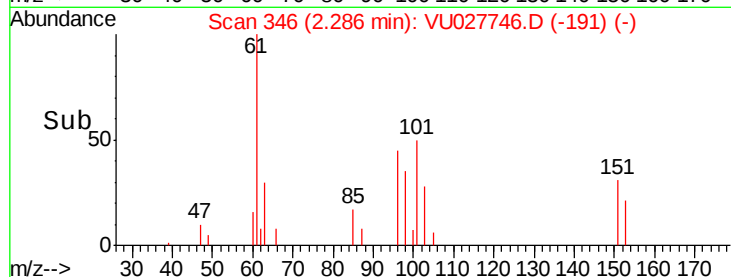
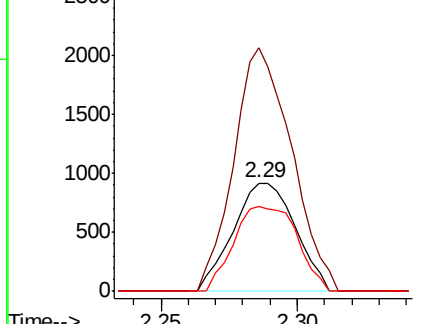
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Abundance Ion 96.00 (95.70 to 96.70): VU027750.D (-335) (-)

Ion 61.00 (60.70 to 61.70): VU027750.D (-335) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-335) (-)



#10

Iodomethane

Concen: 0.326 ug/l

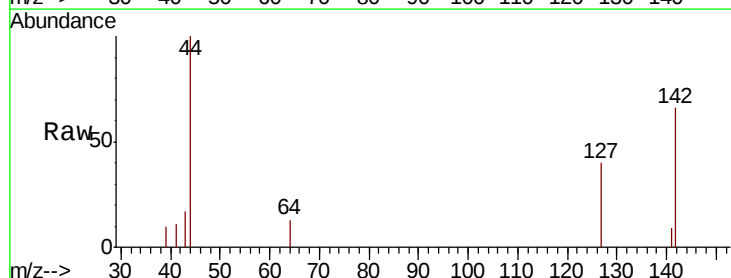
RT: 2.41 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU027746.D

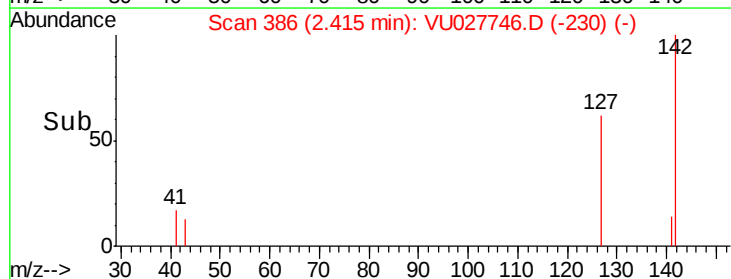
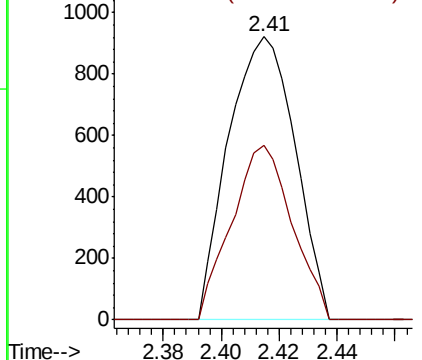
Acq: 22 Oct 2018 17:32

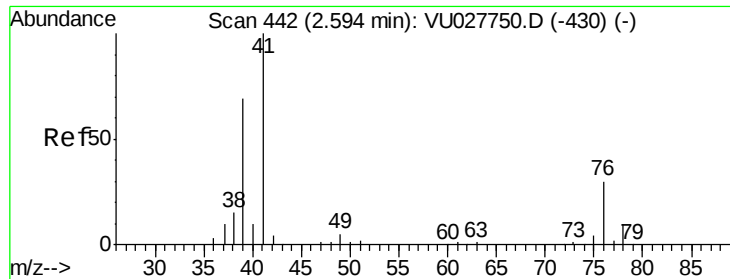
Tgt Ion:	142	Resp:	1468
Ion	Ratio	Lower	Upper
142	100		
127	56.2	39.2	58.8



Abundance Ion 142.00 (141.70 to 142.70): VU027750.D (-374) (-)

Ion 127.00 (126.70 to 127.70): VU027750.D (-374) (-)





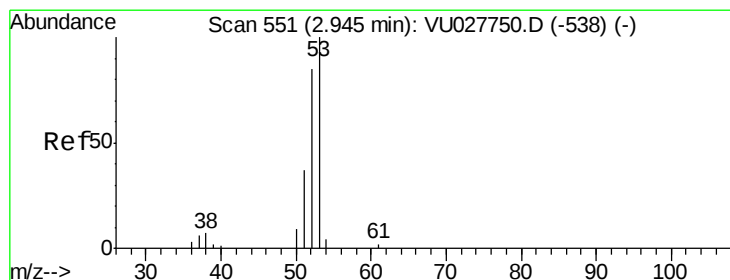
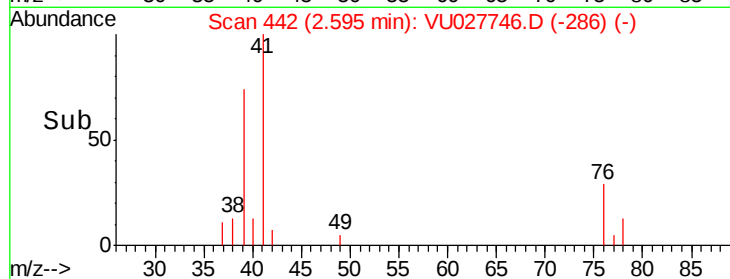
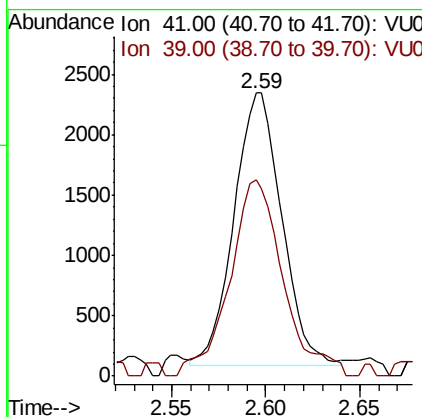
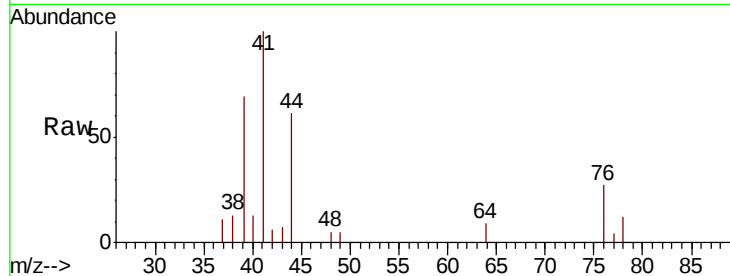
#11
Allvl Chloride
Concen: 0.507 ug/l m
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 41 Resp: 3979
Ion Ratio Lower Upper
41 100
39 80.5 55.4 83.0

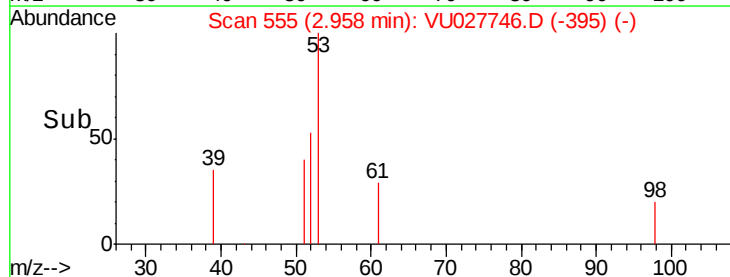
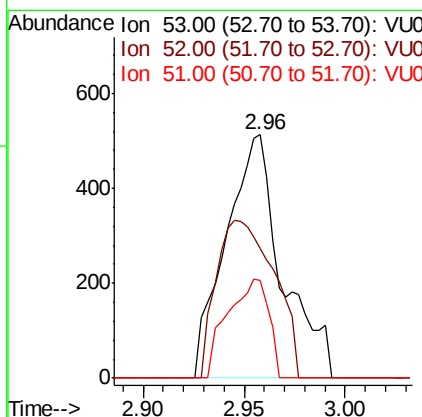
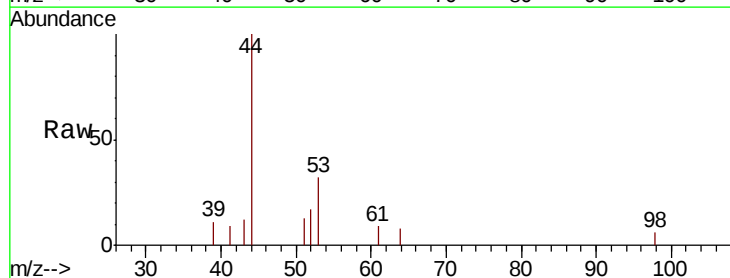
Manual Integrations
APPROVED

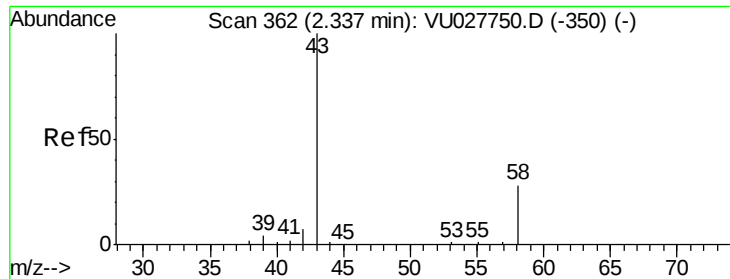
sam
10/24/2018 2:18:52 PM



#12
Acrylonitrile
Concen: 0.938 ug/l
RT: 2.96 min Scan# 555
Delta R.T. 0.01 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion: 53 Resp: 997
Ion Ratio Lower Upper
53 100
52 66.8 67.9 101.9#
51 30.0 30.0 45.0#





#13

Acetone

Concen: 2.320 ug/l m

RT: 2.35 min Scan# 366

Delta R.T. 0.01 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Tot Ion: 43 Resp: 2687

Ion Ratio Lower Upper

43 100

58 23.3 22.3 33.5

Instrument :

MSVOA_U

ClientSampleId :

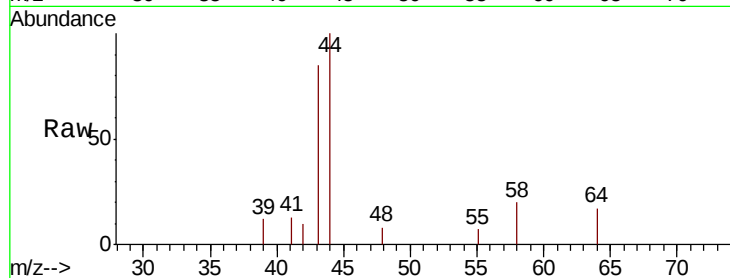
VSTDIC0.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.35

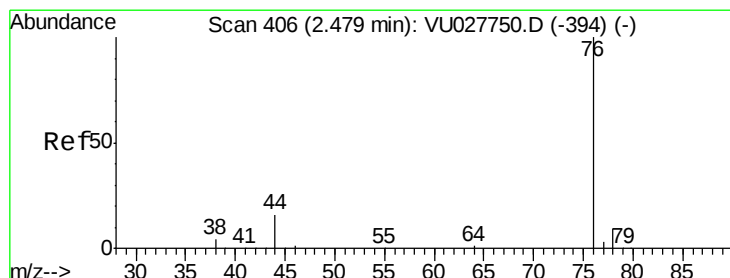
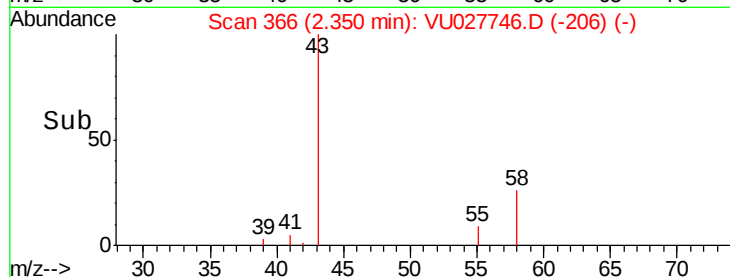
1000

500

0

Time-->

2.30 2.35 2.40



#14

Carbon Disulfide

Concen: 0.482 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027746.D

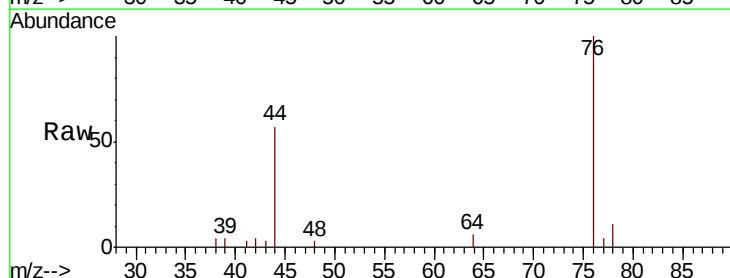
Acq: 22 Oct 2018 17:32

Tgt Ion: 76 Resp: 5844

Ion Ratio Lower Upper

76 100

78 10.8 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

4000

3000

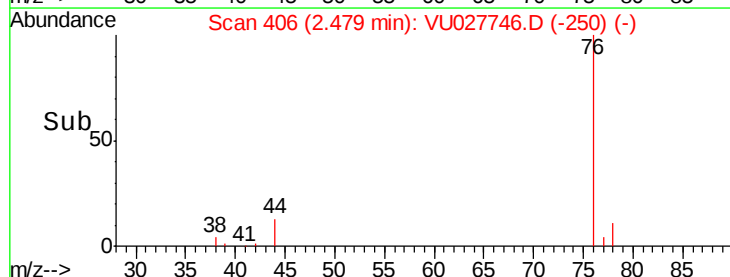
2000

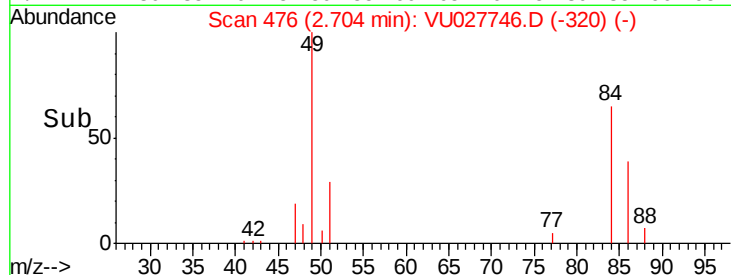
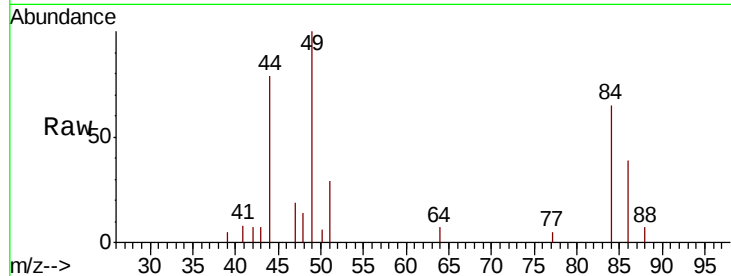
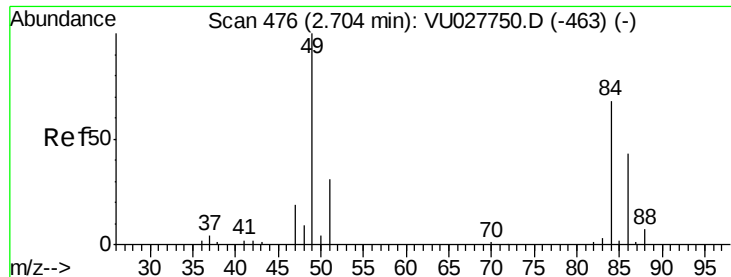
1000

0

Time-->

2.45 2.50 2.55





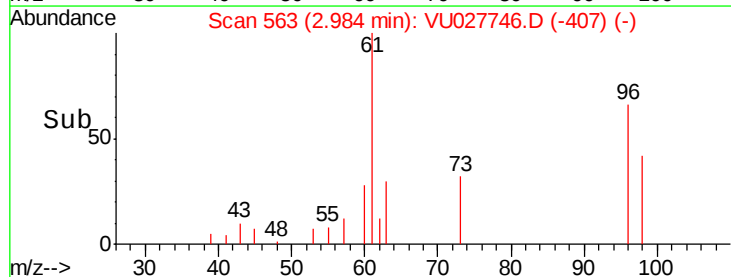
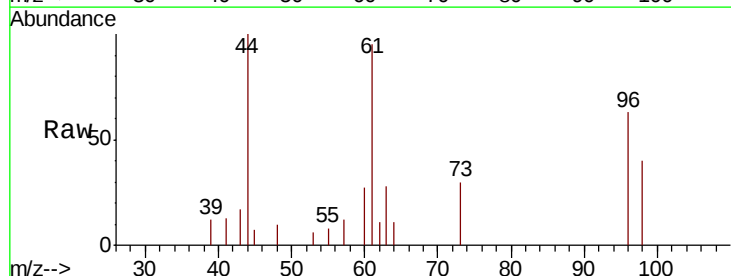
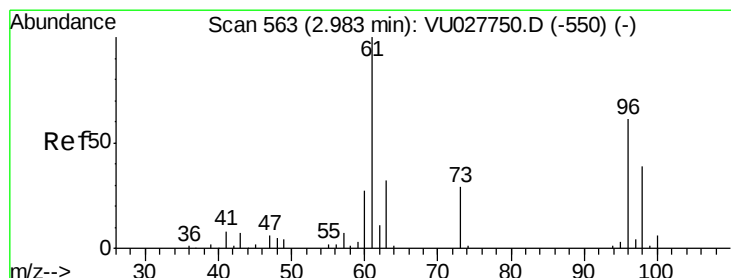
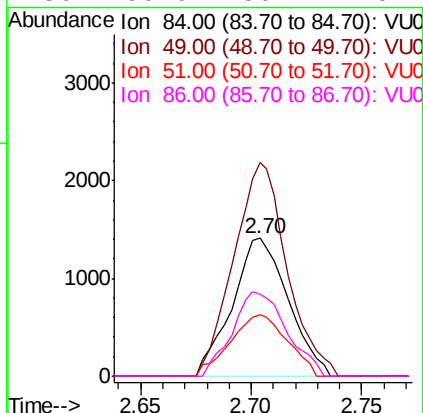
#15
Methvlene Chloride
Concen: 0.607 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	155.0	118.5	177.7	
51	45.0	0.0	91.0	
86	59.9	50.7	76.1	

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

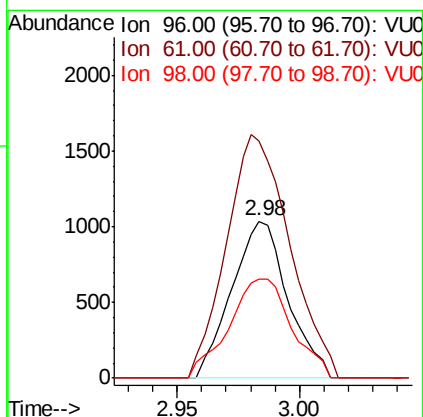
Manual Integrations
APPROVED

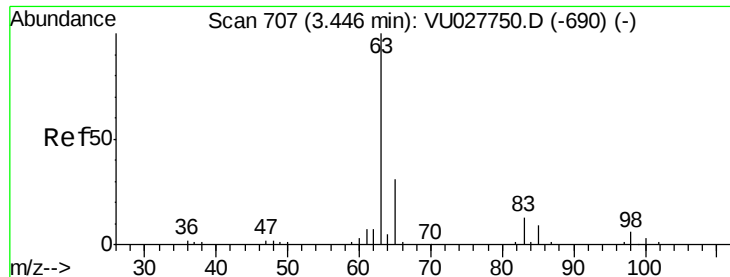
sam
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#16
trans-1,2-Dichloroethene
Concen: 0.440 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	150.8	131.8	197.6	
98	63.5	51.2	76.8	





#17

1,1-Dichloroethane

Concen: 0.486 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

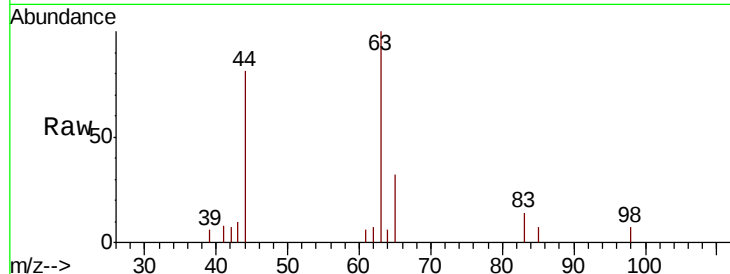
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	3801
Ion Ratio	Lower	Upper	
63	100		
98	6.8	2.8	8.4
100	0.0	1.5	4.5#

Manual Integrations
APPROVED

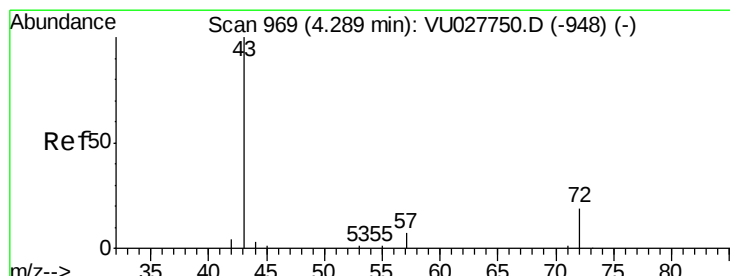
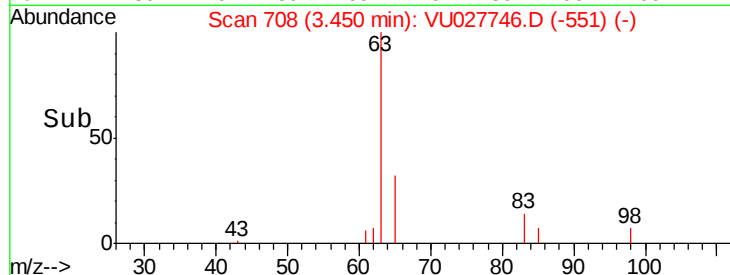
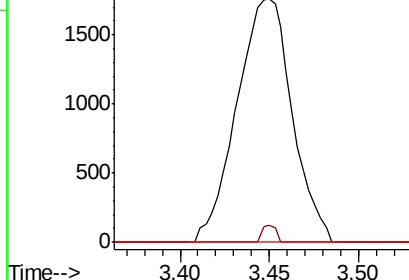
sam
10/24/2018 2:18:52 PM



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) (-)



#18

2-Butanone

Concen: 2.618 ug/l m

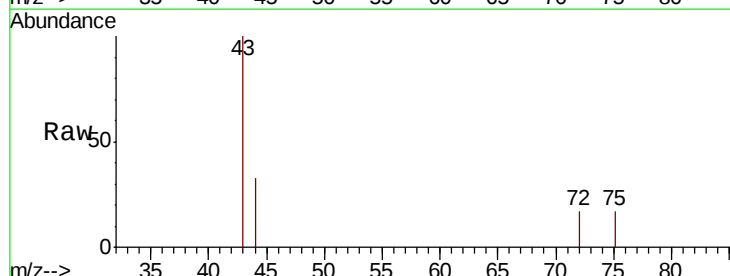
RT: 4.31 min Scan# 976

Delta R.T. 0.02 min

Lab File: VU027746.D

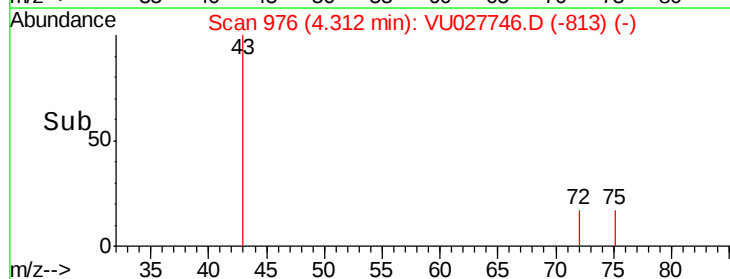
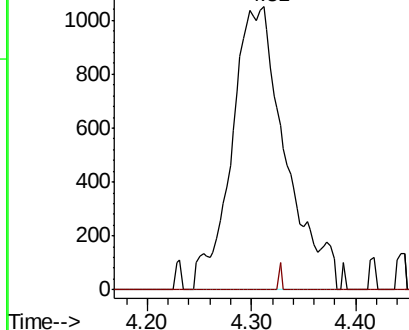
Acq: 22 Oct 2018 17:32

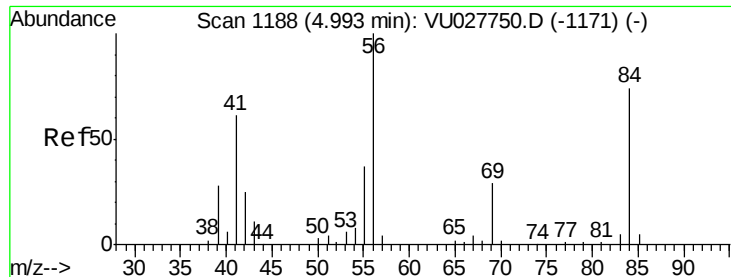
Tgt Ion:	43	Resp:	3768
Ion Ratio	Lower	Upper	
43	100		
57	0.0	0.0	14.4



Abundance Ion 43.00 (42.70 to 43.70): VU027746.D (-813) (-)

Ion 57.00 (56.70 to 57.70): VU027746.D (-813) (-)





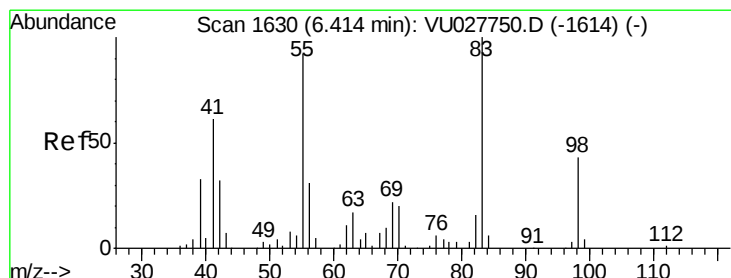
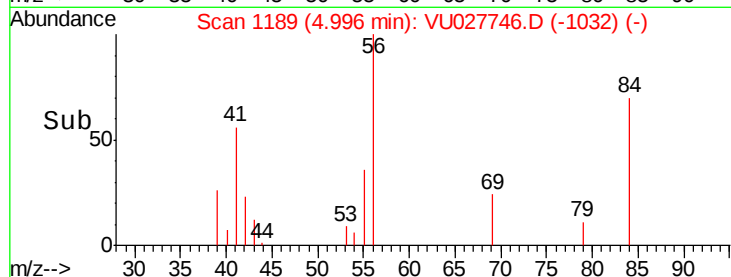
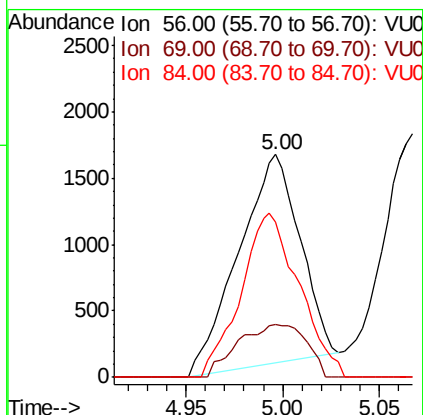
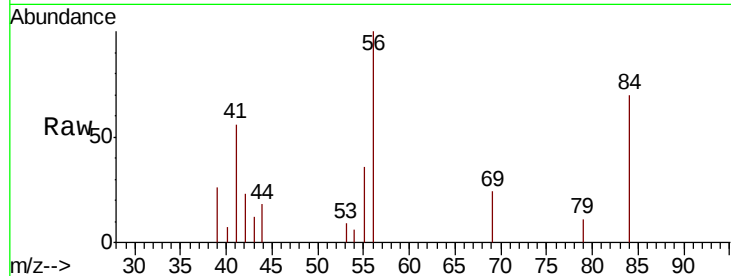
#19
Cyclohexane
Concen: 0.487 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	25.9	38.9
84	74.0	65.9	98.9

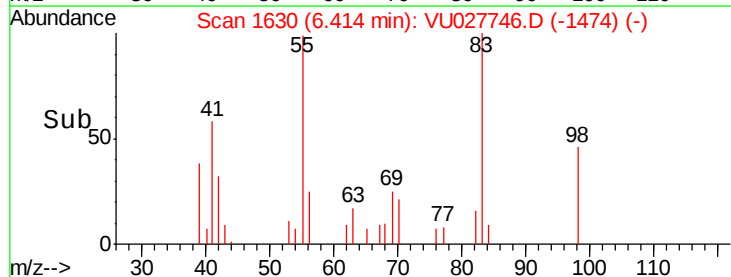
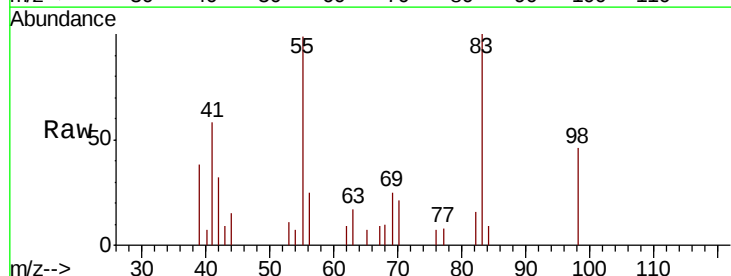
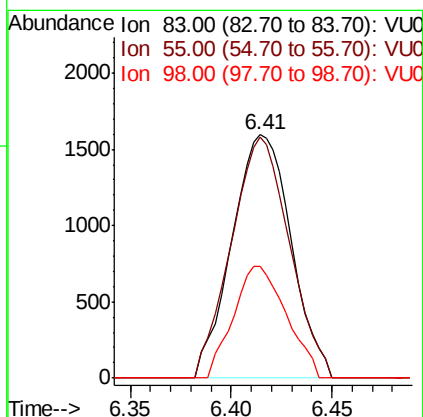
Manual Integrations
APPROVED

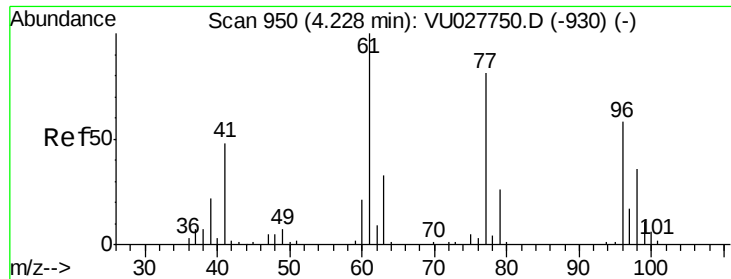
sam
10/24/2018 2:18:52 PM



#20
Methylcyclohexane
Concen: 0.467 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
83	100		
55	97.3	72.6	108.8
98	40.9	35.0	52.4





#21

2,2-Dichloropropane

Concen: 0.515 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 77 Resp: 3571

Ion Ratio Lower Upper

77 100

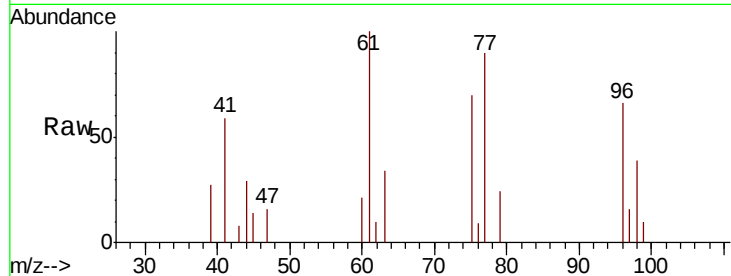
97 5.7 16.9 25.3#

Manual Integrations

APPROVED

sam

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Abundance Ion 77.00 (76.70 to 77.70): VU027750.D (-930) (-)

Ion 97.00 (96.70 to 97.70): VU027750.D (-930) (-)

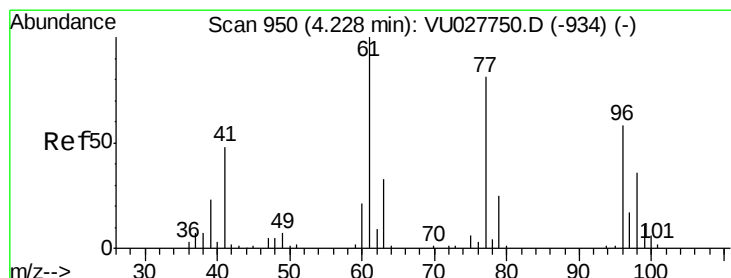
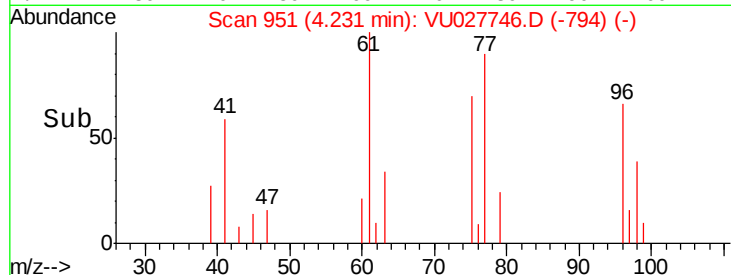
4.23

1000

500

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.472 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

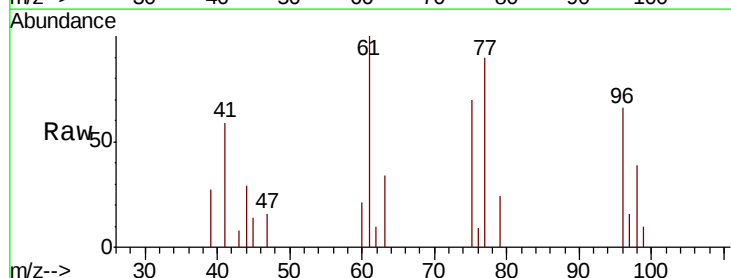
Tgt Ion: 96 Resp: 2010

Ion Ratio Lower Upper

96 100

61 183.2 0.0 444.0

98 60.1 31.9 95.5



Abundance Ion 96.00 (95.70 to 96.70): VU027746.D (-794) (-)

Ion 61.00 (60.70 to 61.70): VU027746.D (-794) (-)

Ion 98.00 (97.70 to 98.70): VU027746.D (-794) (-)

4.23

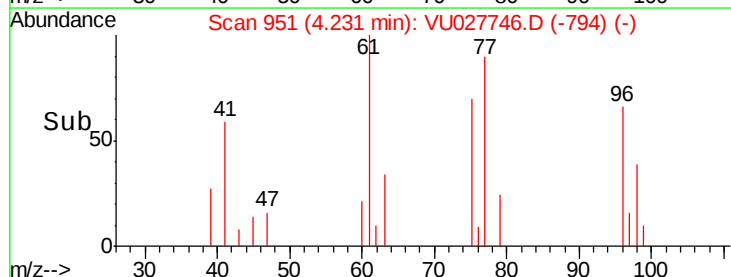
1500

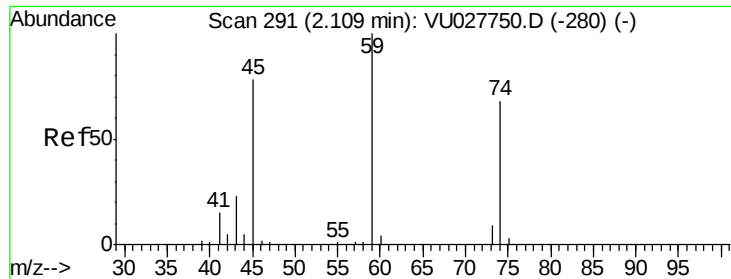
1000

500

0

Time-->





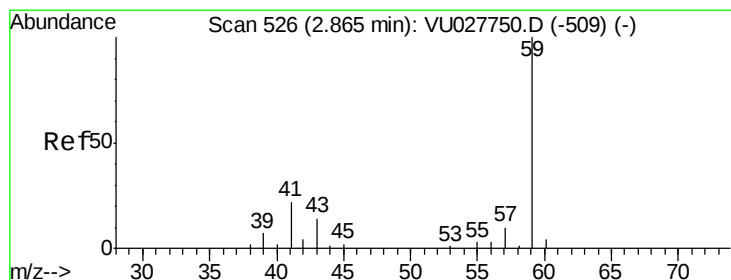
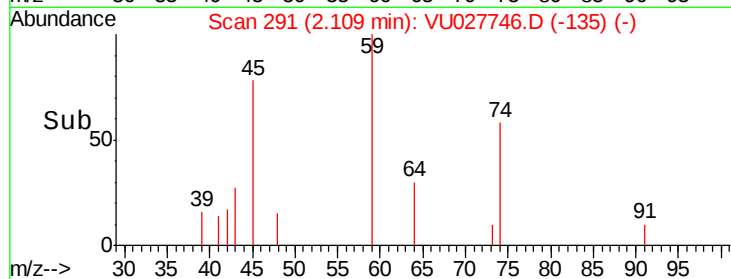
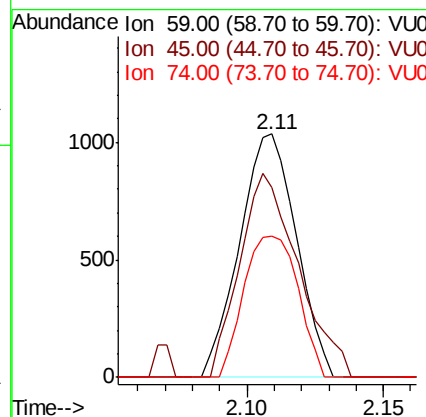
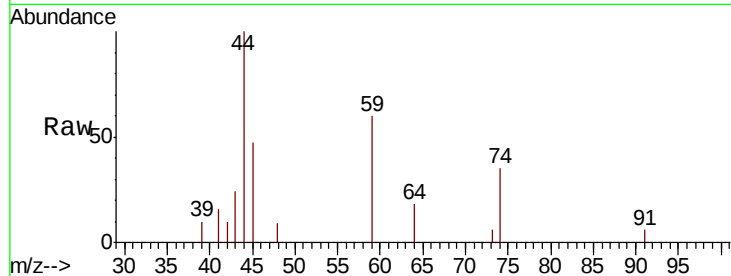
#23
Diethyl Ether
Concen: 0.474 ug/l
RT: 2.11 min Scan# 291
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	59	Resp:	1493
Ion	Ratio	Lower	Upper
59	100		
45	86.6	64.6	96.8
74	55.6	54.8	82.2

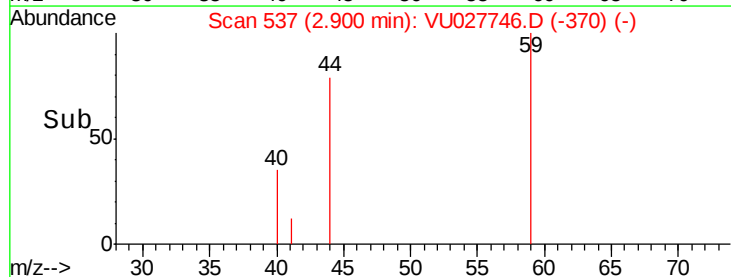
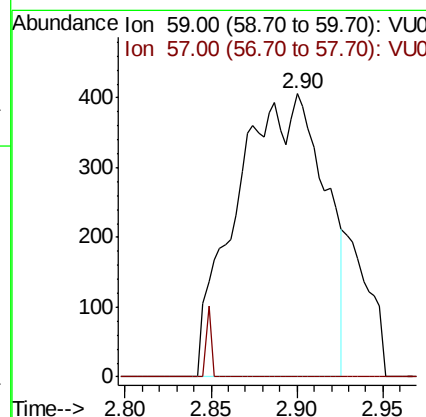
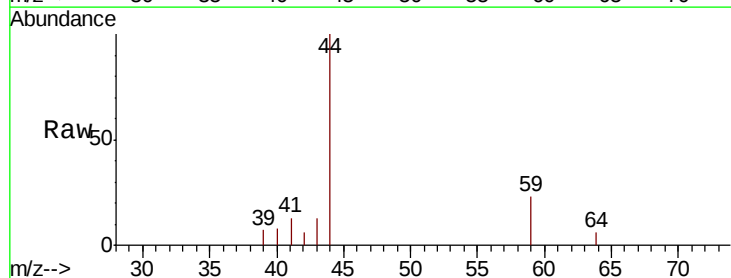
Manual Integrations
APPROVED

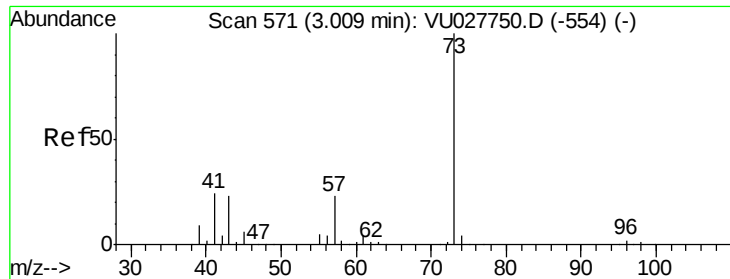
sam
10/24/2018 2:18:52 PM



#24
tert-Butyl Alcohol
Concen: 4.796 ug/l m
RT: 2.90 min Scan# 537
Delta R.T. 0.04 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion:	59	Resp:	1447
Ion	Ratio	Lower	Upper
59	100		
57	91.1	4.4	6.6#





#25

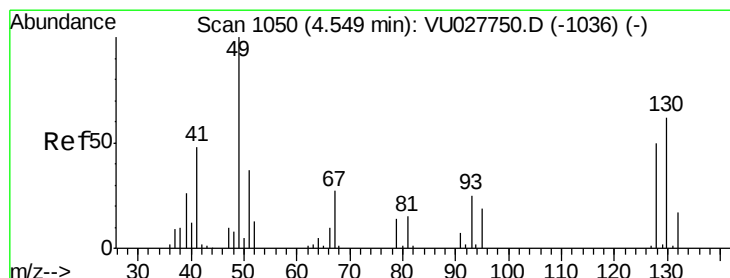
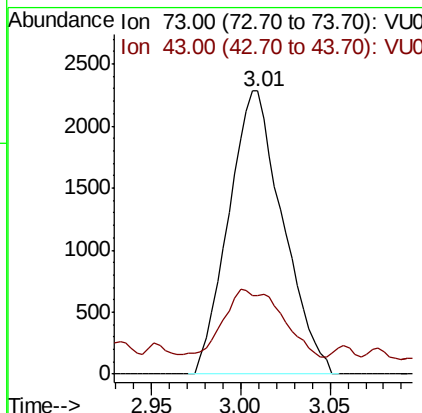
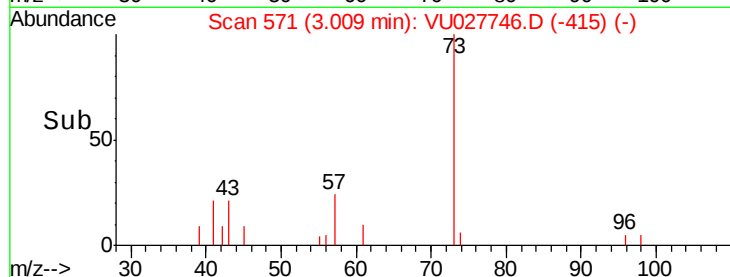
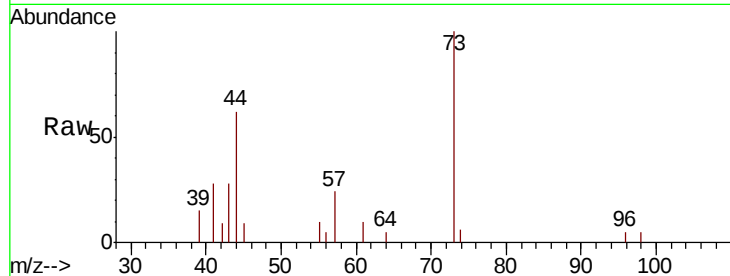
Methyl tert-Butyl Ether
 Concen: 0.457 ug/l
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 73 Resp: 4837
 Ion Ratio Lower Upper
 73 100
 43 25.3 18.6 27.8

Manual Integrations
 APPROVED

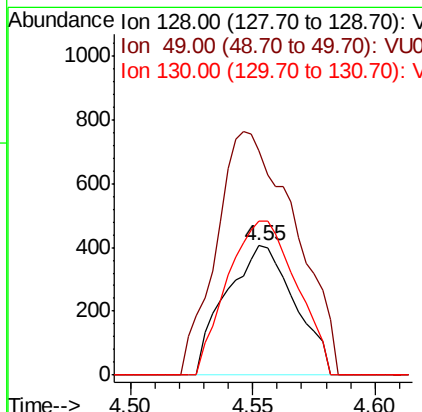
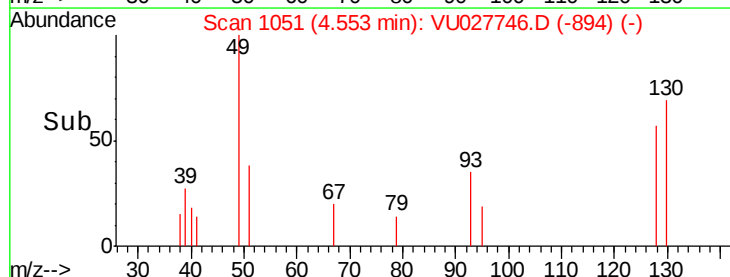
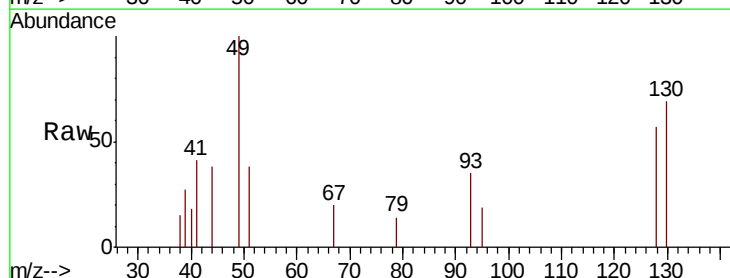
sam
 10/24/2018 2:18:52 PM

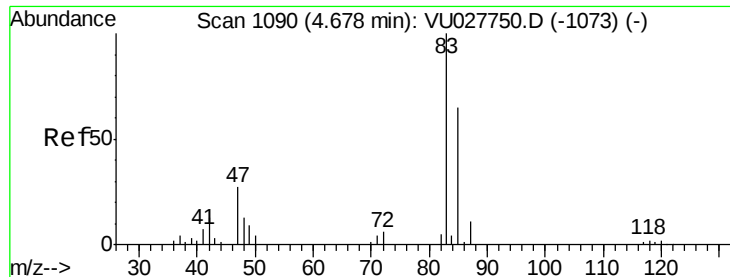


#26

Bromochloromethane
 Concen: 0.461 ug/l
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 128 Resp: 794
 Ion Ratio Lower Upper
 128 100
 49 215.0 0.0 427.6
 130 119.5 103.4 155.0





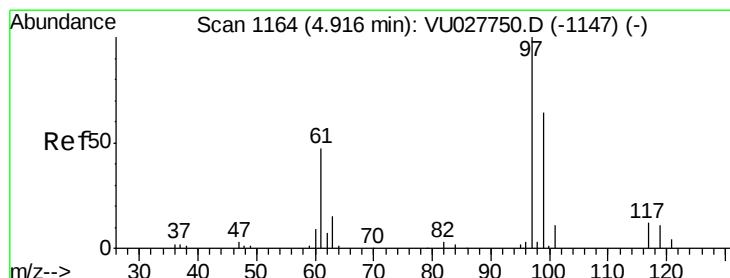
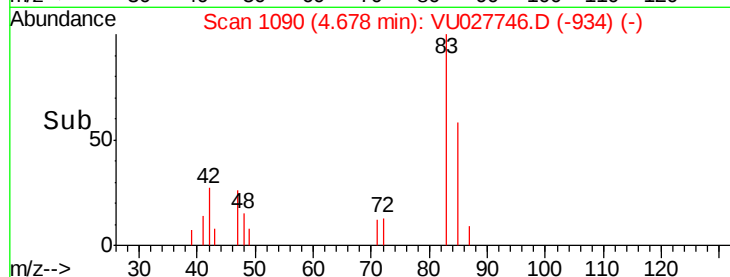
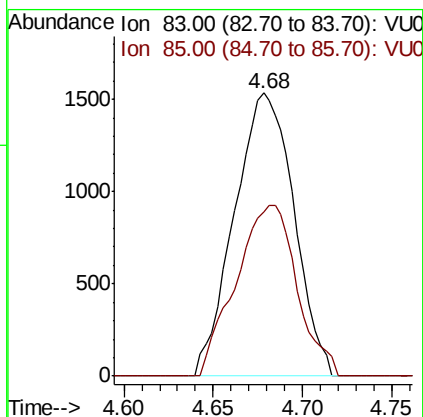
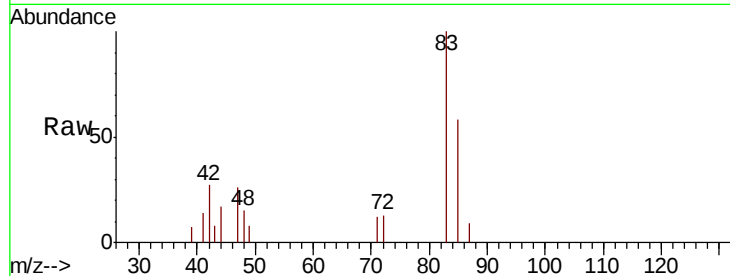
#27
Chloroform
Concen: 0.462 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	3566
Ion Ratio	100	Lower	Upper
85	58.3	0.0	130.2

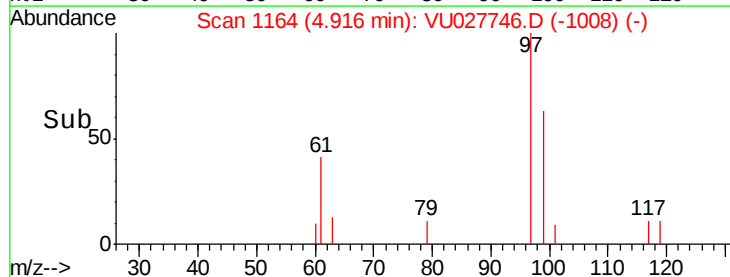
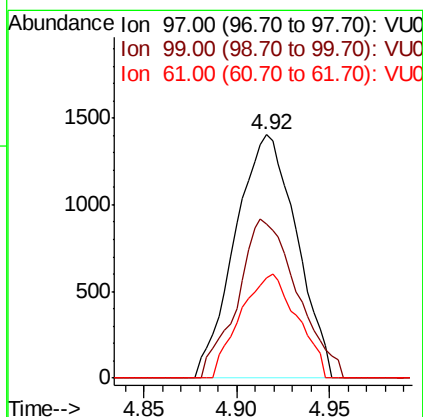
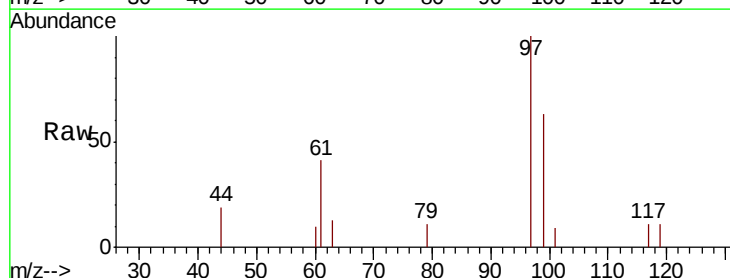
Manual Integrations
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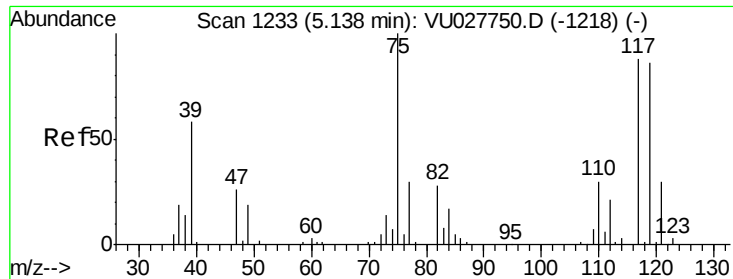
sam
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#28
1,1,1-Trichloroethane
Concen: 0.485 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	97	Resp	3234
Ion Ratio	100	Lower	Upper
99	63.5	31.8	95.4
61	39.6	23.6	70.8





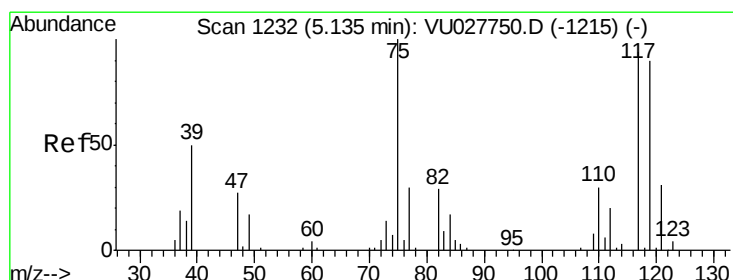
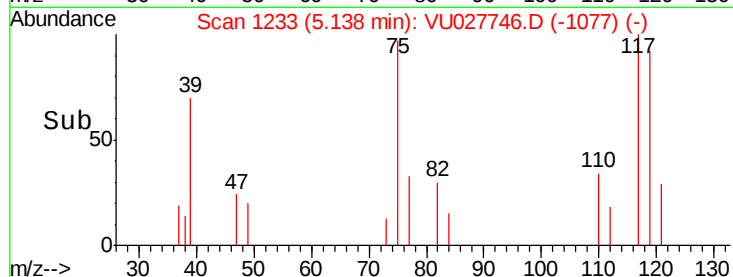
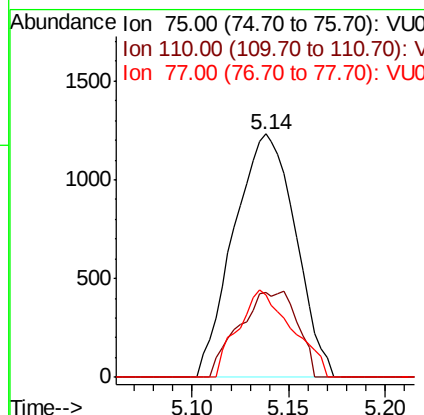
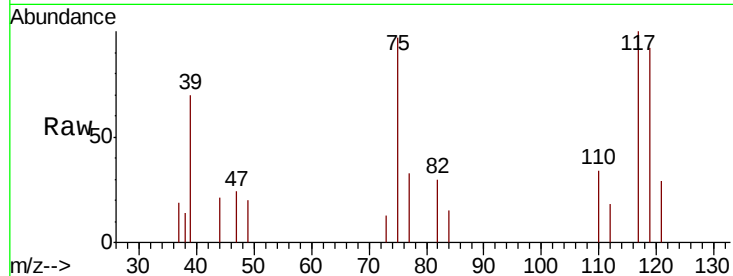
#29
 1,1-Dichloropropene
 Concen: 0.464 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.2	15.6	46.8
77	31.6	24.5	36.7

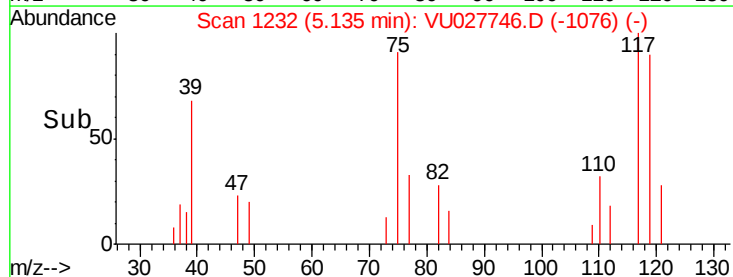
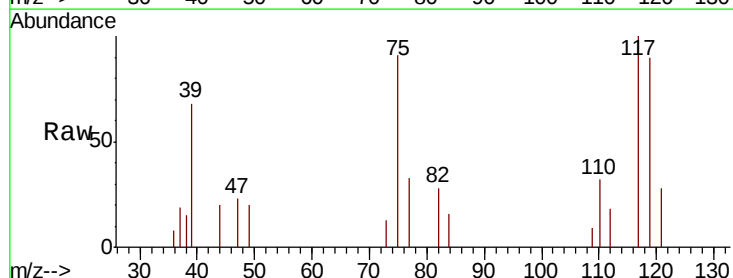
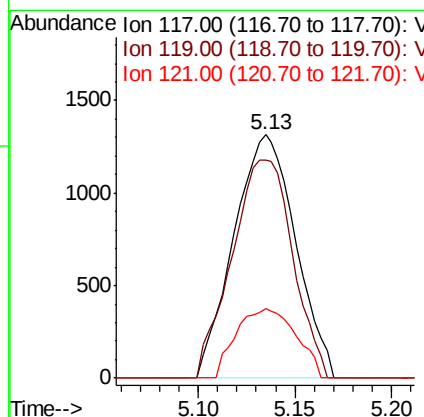
Manual Integrations
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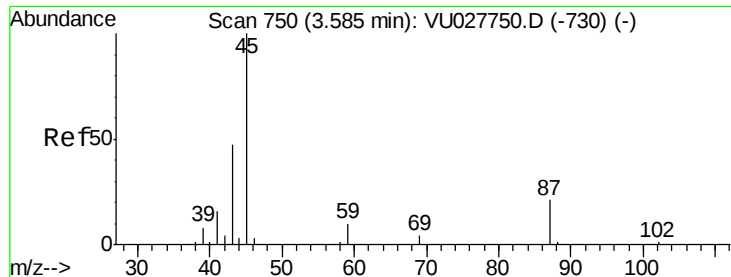
sam
 10/24/2018 2:18:52 PM



#30
 Carbon Tetrachloride
 Concen: 0.490 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.6	76.2	114.4
121	28.3	26.4	39.6





#31

Isopropyl Ether

Concen: 0.452 ug/l

RT: 3.58 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 6649

Ion Ratio Lower Upper

45 100

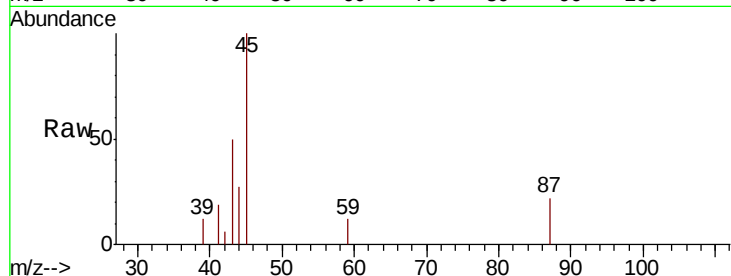
43 55.8 24.5 73.5

Manual Integrations

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sam

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Abundance Ion 45.00 (44.70 to 45.70): VU027750.D (-730) (-)

Ion 43.00 (42.70 to 43.70): VU027750.D (-730) (-)

3000

2500

2000

1500

1000

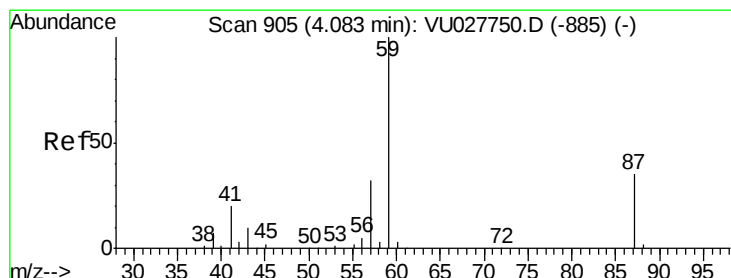
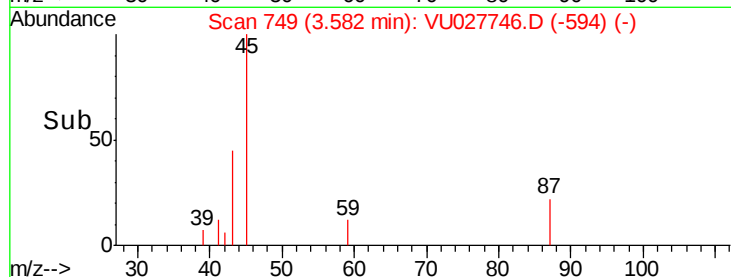
500

0

Time-->

3.50 3.55 3.60 3.65

3.58



#32

Ethyl-t-butyl ether

Concen: 0.460 ug/l

RT: 4.08 min Scan# 904

Delta R.T. -0.00 min

Lab File: VU027746.D

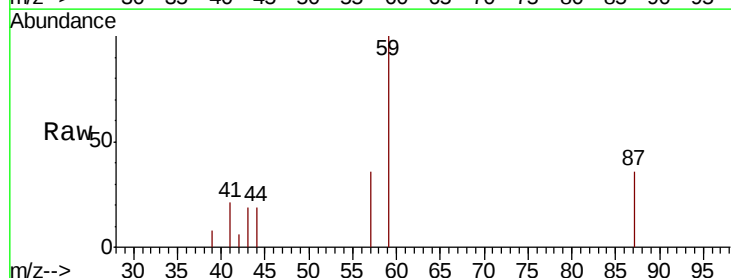
Acq: 22 Oct 2018 17:32

Tgt Ion: 59 Resp: 5964

Ion Ratio Lower Upper

59 100

87 35.3 29.4 44.0



Abundance Ion 59.00 (58.70 to 59.70): VU027750.D (-885) (-)

Ion 87.00 (86.70 to 87.70): VU027750.D (-885) (-)

2500

2000

1500

1000

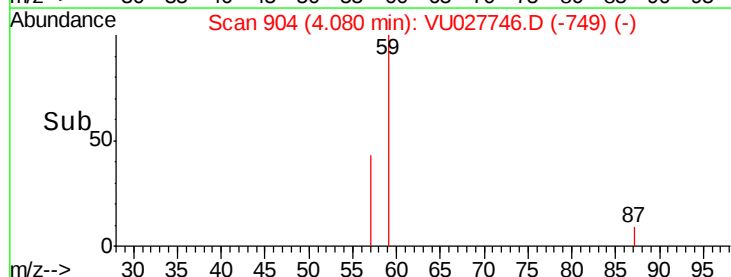
500

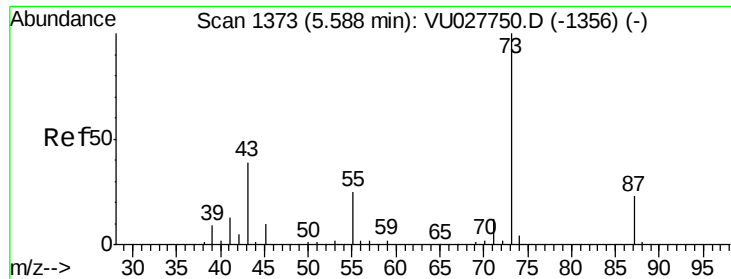
0

Time-->

4.00 4.05 4.10 4.15

4.08





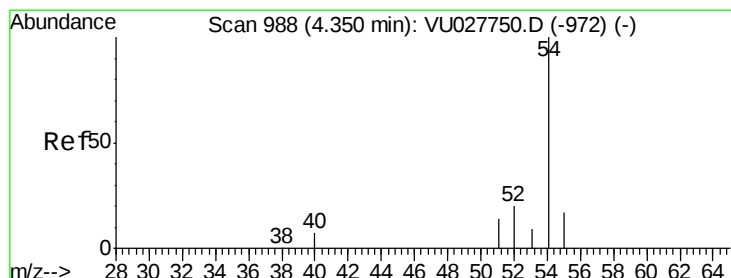
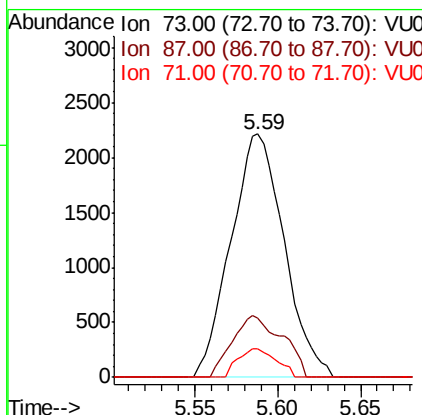
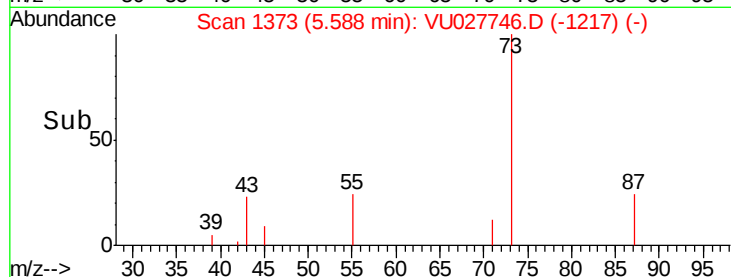
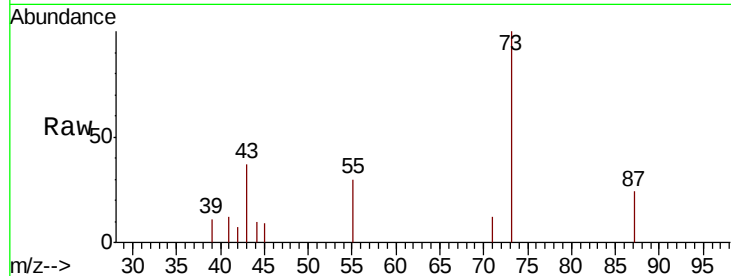
#33
Tert-Amvl methvl ether
Concen: 0.454 ug/l
RT: 5.59 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.8	18.5	27.7
71	8.4	9.1	13.7#

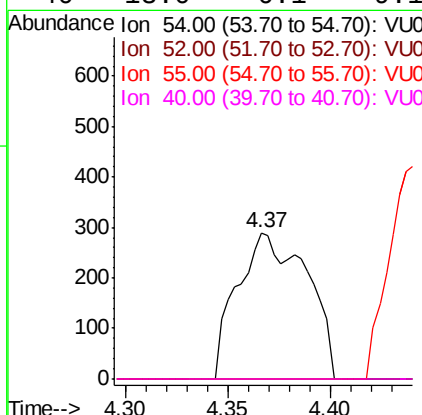
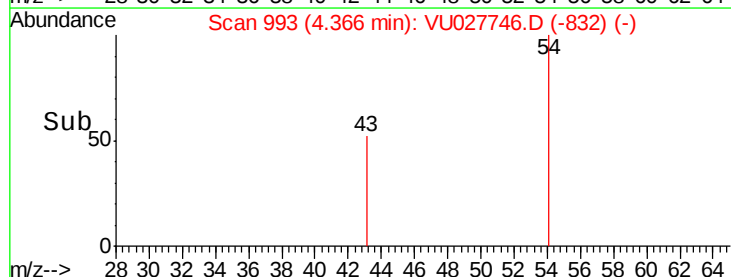
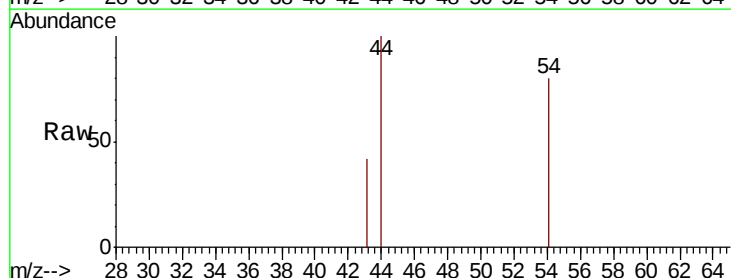
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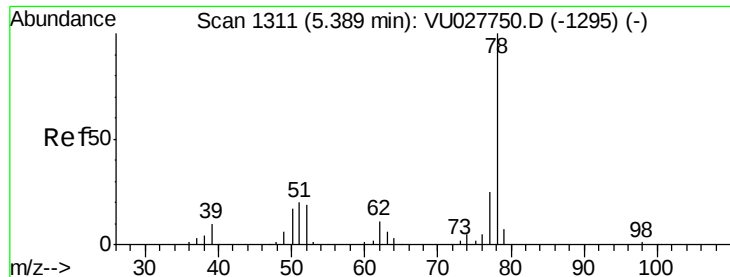
sam
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#34
Propionitrile
Concen: 1.775 ug/l m
RT: 4.37 min Scan# 993
Delta R.T. 0.02 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	15.5	23.3#
55	164.4	12.6	18.8#
40	13.0	6.1	9.1#





#35

Benzene

Concen: 0.458 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 78 Resp: 7564

Ion Ratio Lower Upper

78 100

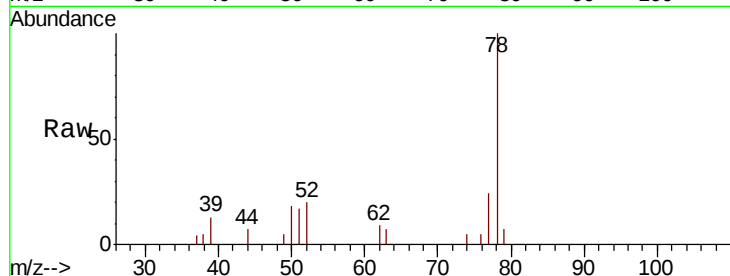
77 24.4 19.9 29.9

Manual Integrations

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sam

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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) (-)

5.39

4000

3000

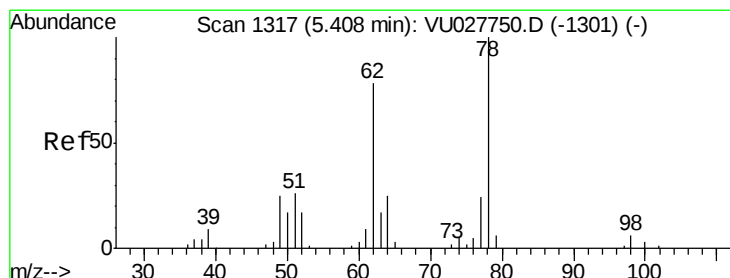
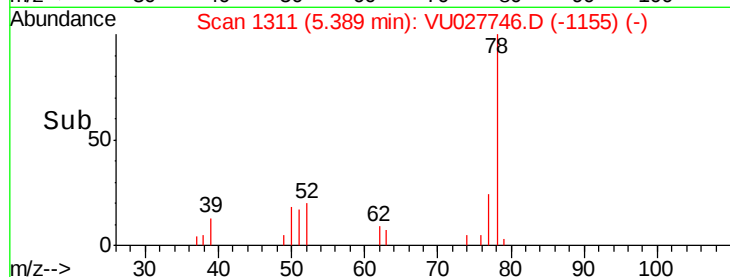
2000

1000

0

5.35 5.40 5.45

Time-->



#36

1,2-Dichloroethane

Concen: 0.479 ug/l

RT: 5.41 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VU027746.D

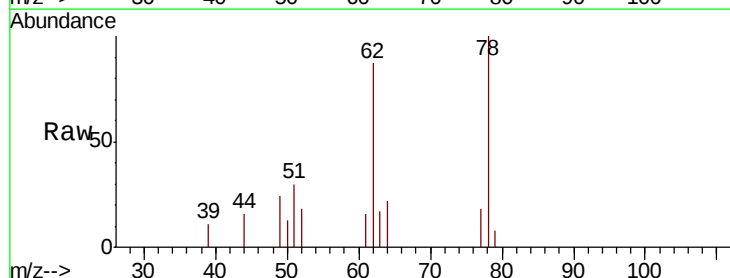
Acq: 22 Oct 2018 17:32

Tgt Ion: 62 Resp: 2523

Ion Ratio Lower Upper

62 100

98 0.0 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) (-)

5.41

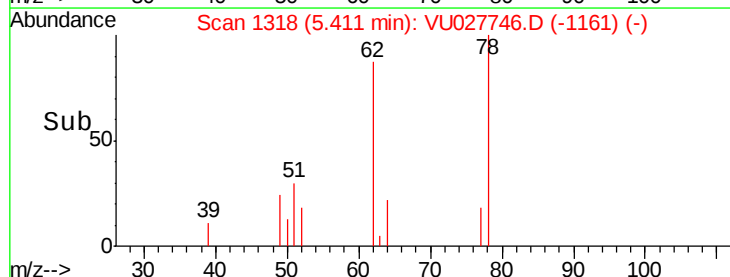
1000

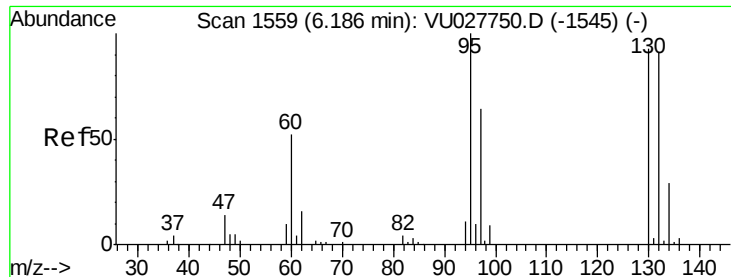
500

0

5.35 5.40 5.45

Time-->





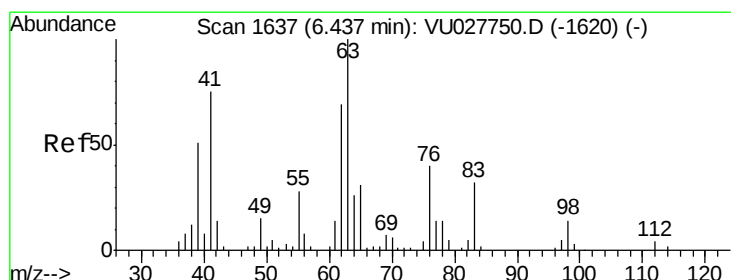
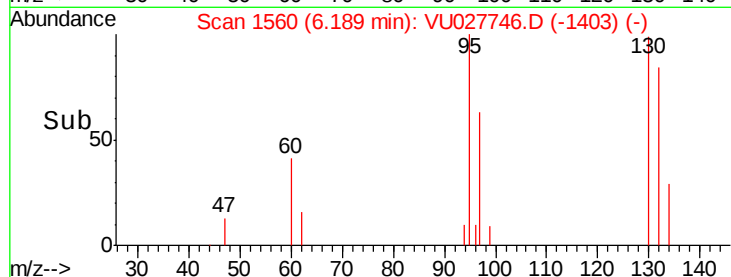
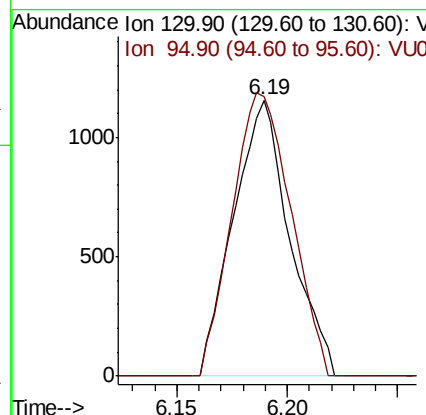
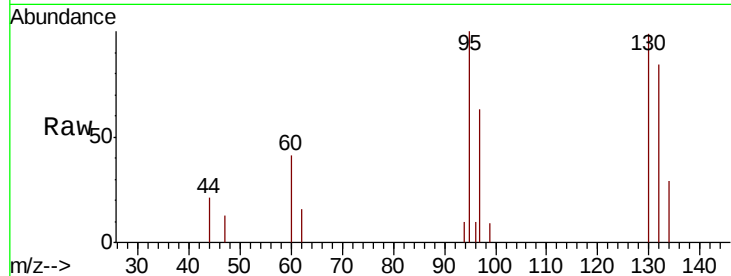
#37
 Trichloroethene
 Concen: 0.503 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:130 Resp: 2044
 Ion Ratio Lower Upper
 130 100
 95 101.5 86.4 129.6

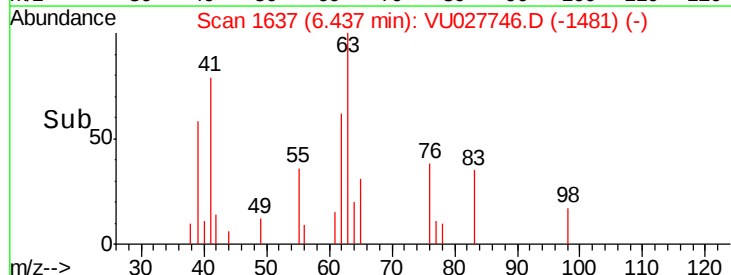
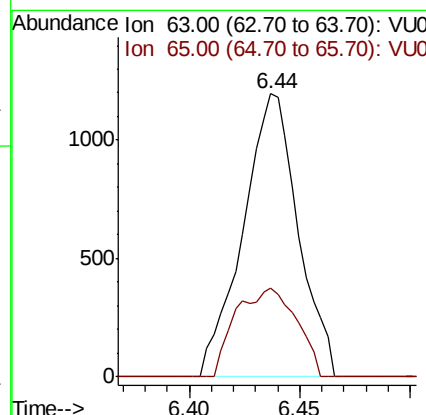
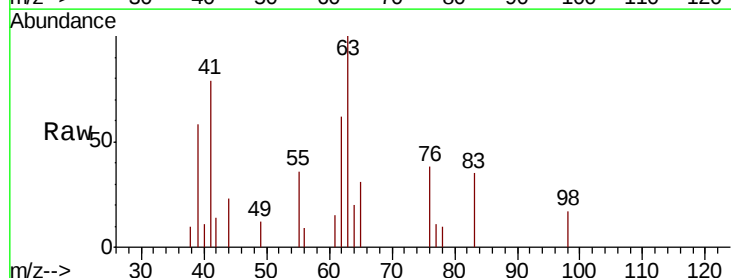
Manual Integrations
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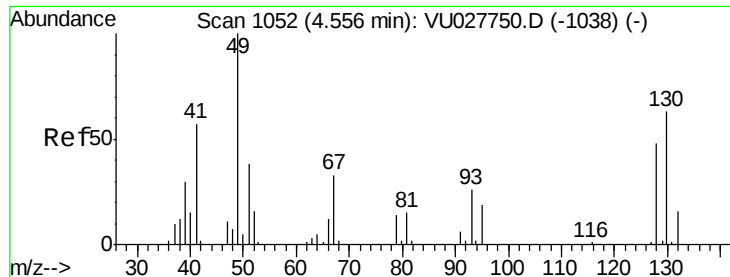
sam
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#38
 1,2-Dichloropropane
 Concen: 0.446 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 63 Resp: 2077
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.9 37.3





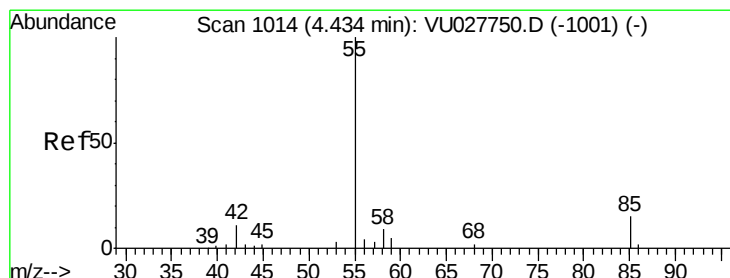
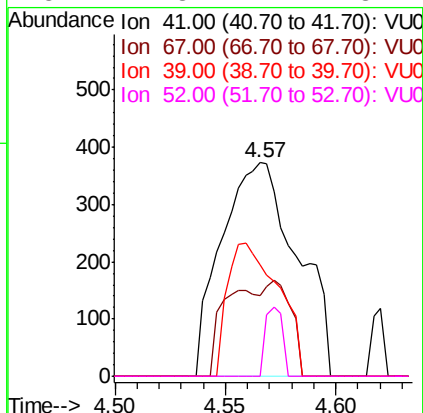
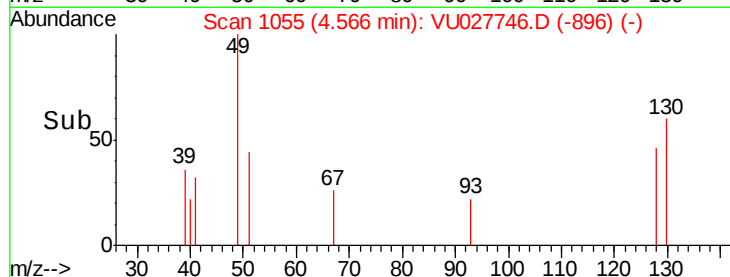
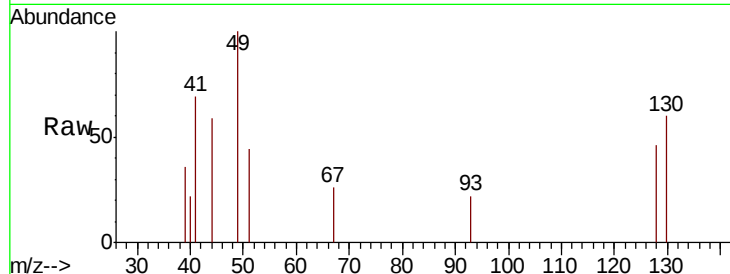
#39
Methacrylonitrile
Concen: 0.465 ug/l
RT: 4.57 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	41	Resp:	886
Ion	Ratio	Lower	Upper
41	100		
67	21.2	46.1	69.1#
39	42.0	43.6	65.4#
52	7.3	21.4	32.2#

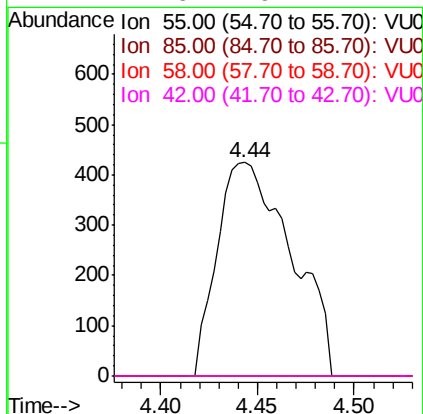
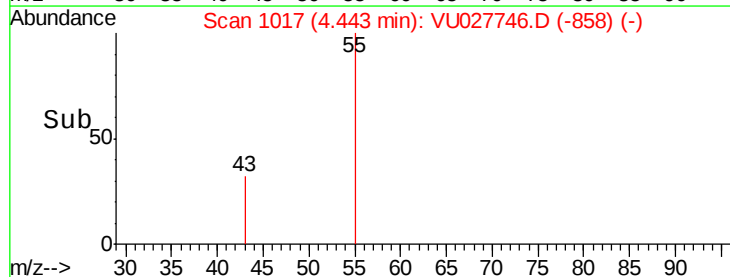
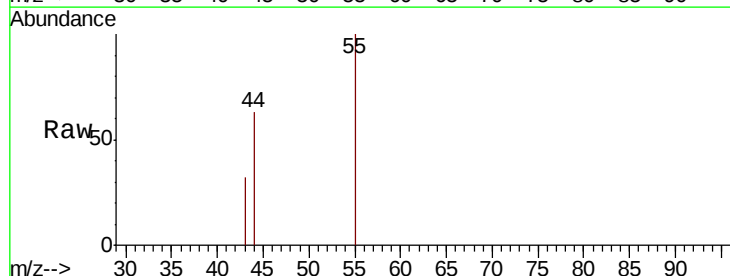
Manual Integrations
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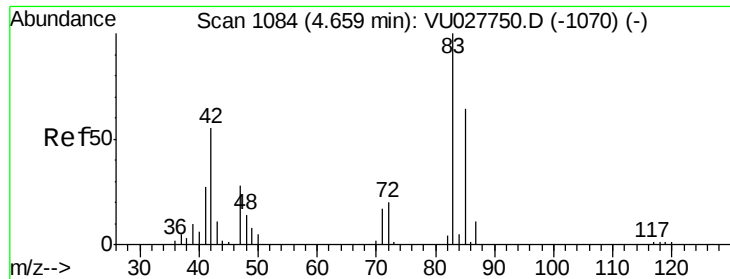
sam
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#40
Methyl acrylate
Concen: 0.437 ug/l
RT: 4.44 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion:	55	Resp:	1128
Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.8	17.6#
58	0.0	7.0	10.4#
42	7.6	9.4	14.2#





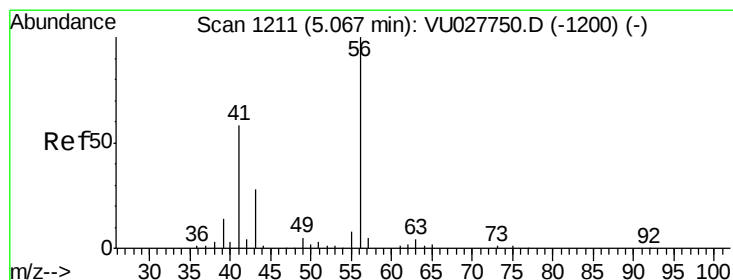
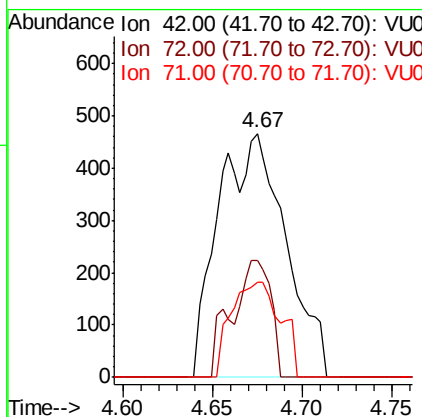
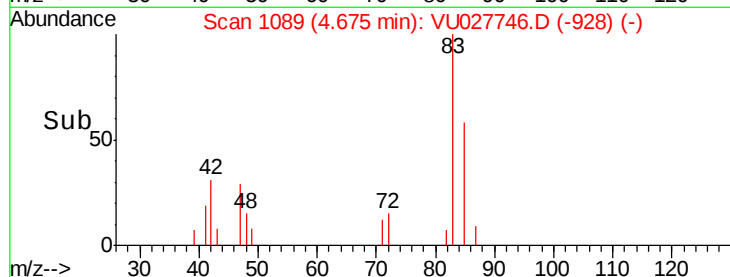
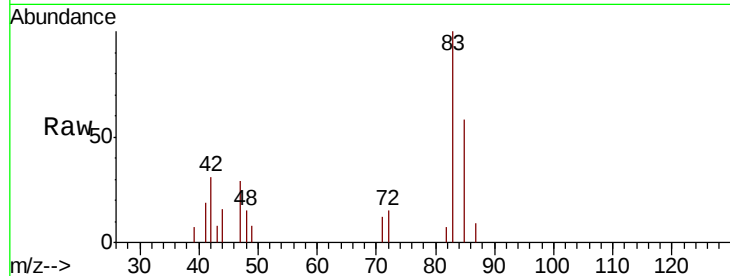
#41
Tetrahydrofuran
Concen: 1.190 ug/l m
RT: 4.67 min Scan# 1089
Delta R.T. 0.02 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	7.3	30.6	45.8#
71	0.0	25.2	37.8#

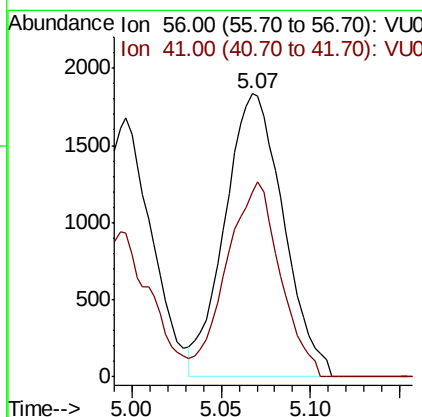
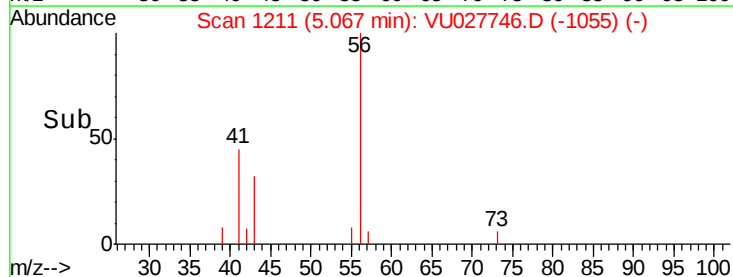
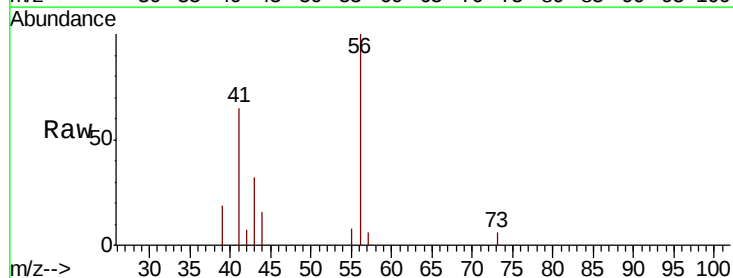
Manual Integrations
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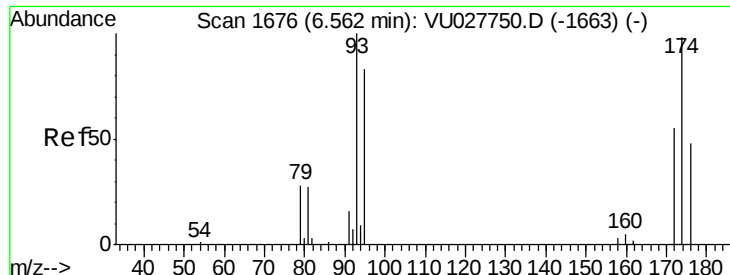
sam
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#42
1-Chlorobutane
Concen: 0.457 ug/l
RT: 5.07 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
56	100		
41	62.8	29.4	88.2





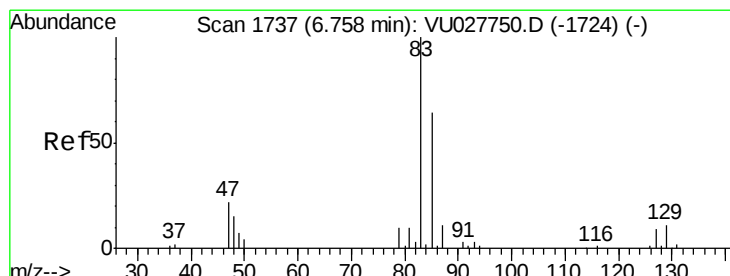
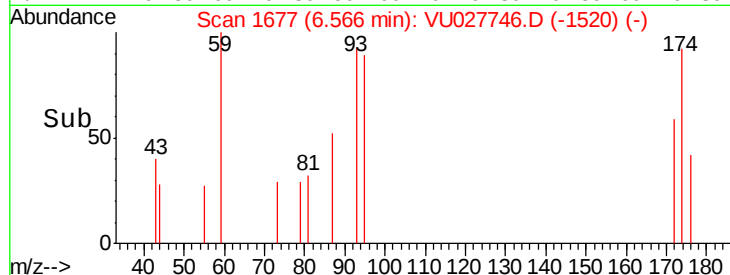
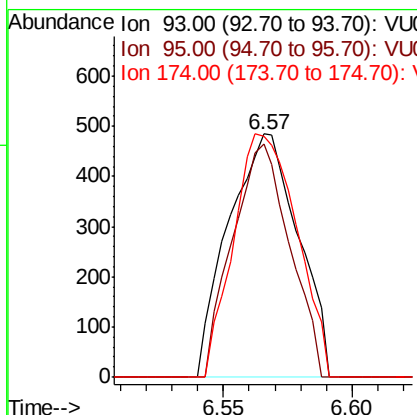
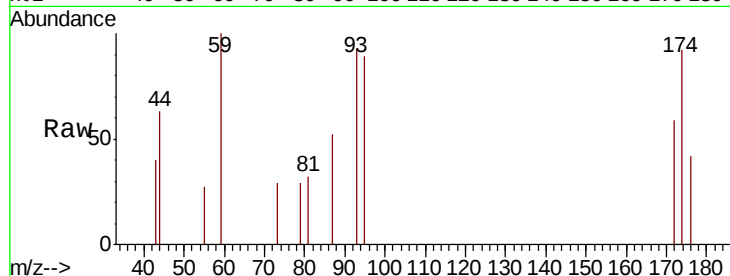
#43
Dibromomethane
Concen: 0.438 ug/l
RT: 6.57 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 93 Resp: 909
Ion Ratio Lower Upper
93 100
95 79.2 64.2 96.2
174 91.1 76.7 115.1

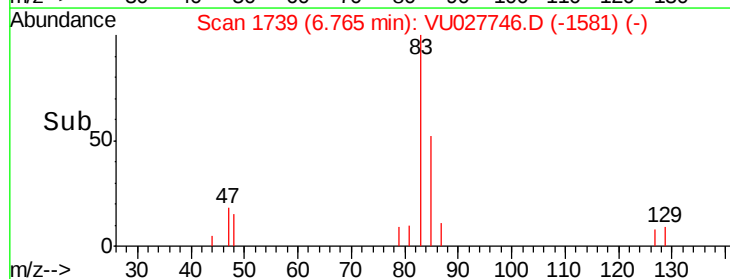
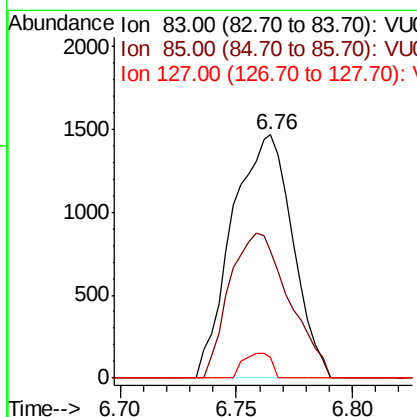
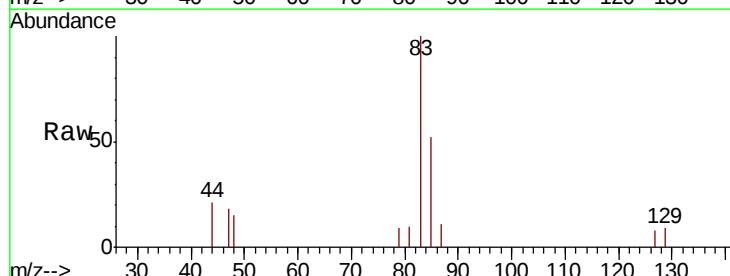
Manual Integrations
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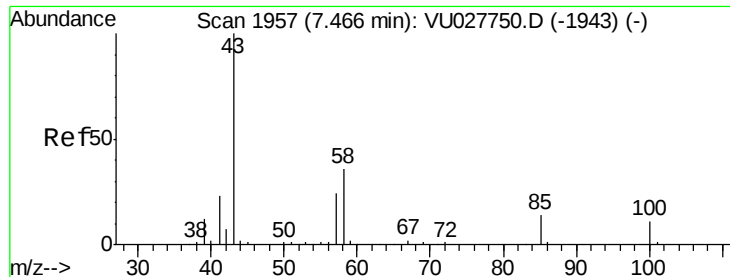
sam
10/24/2018 2:18:52 PM



#44
Bromodichloromethane
Concen: 0.477 ug/l
RT: 6.76 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion: 83 Resp: 2657
Ion Ratio Lower Upper
83 100
85 52.1 51.5 77.3
127 8.4 7.0 10.4





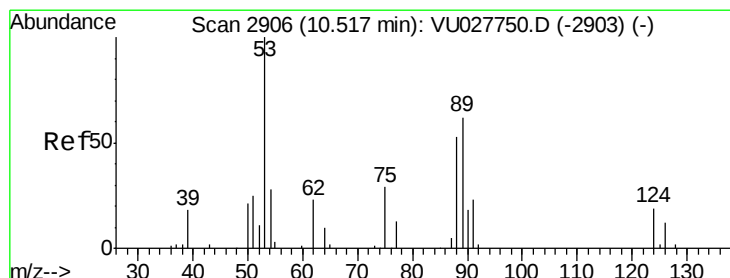
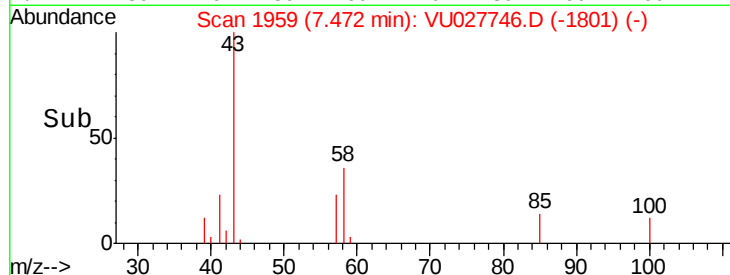
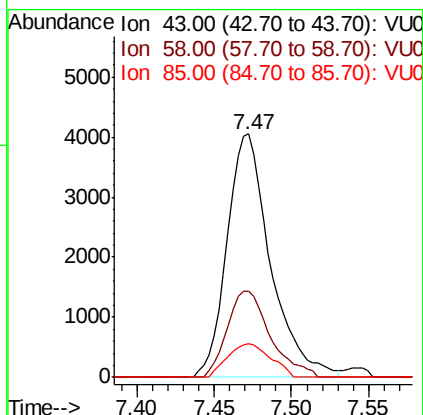
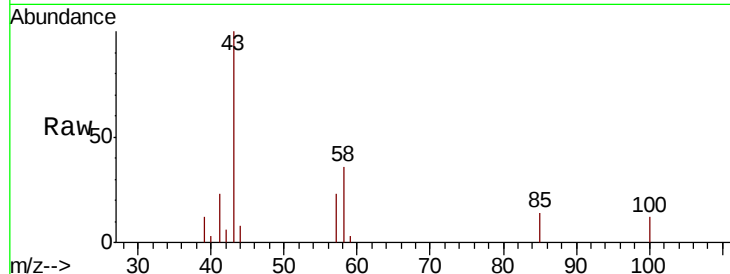
#45
4-Methyl-2-Pentanone
Concen: 2.248 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.1	17.9	53.8
85	13.7	11.4	17.0

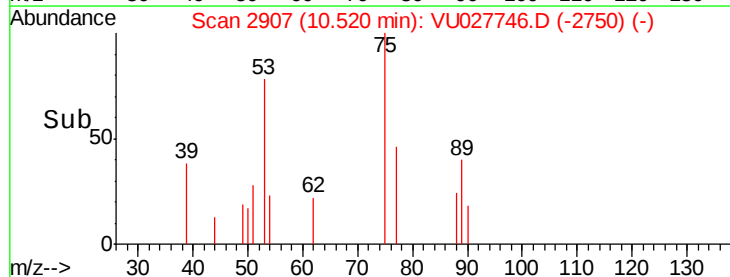
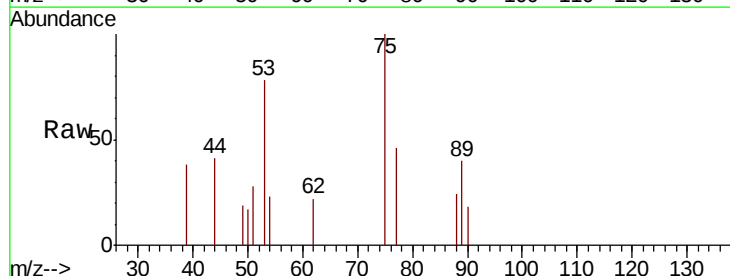
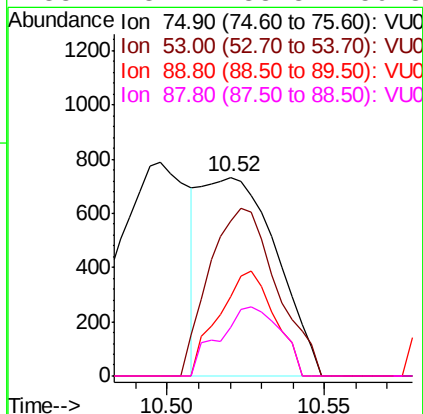
Manual Integrations
APPROVED

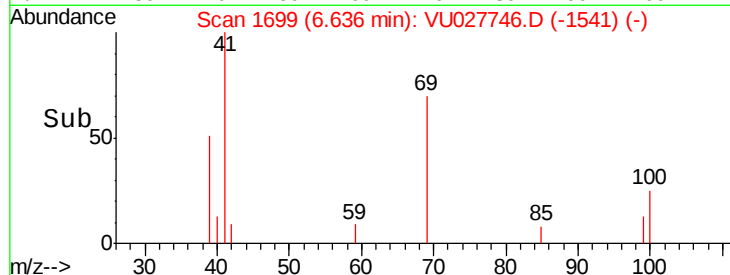
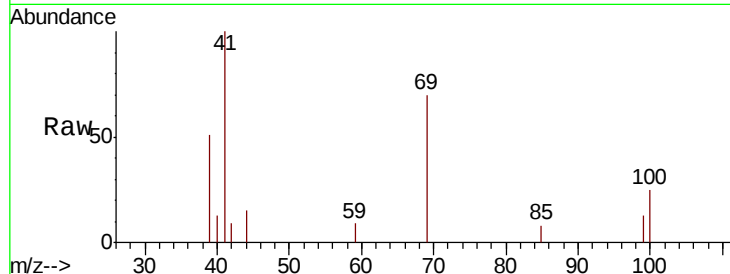
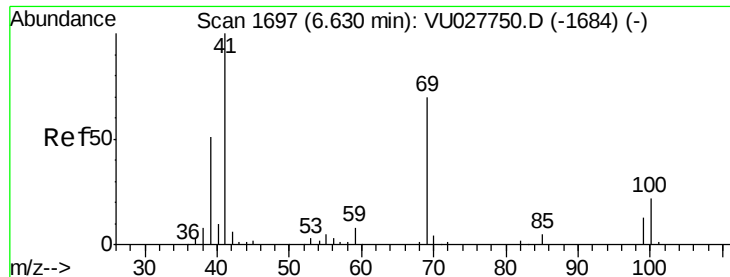
sam
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#46
t-1,4-Dichloro-2-butene
Concen: 0.944 ug/l m
RT: 10.52 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
53	75.8	68.2	102.4
89	38.7	41.8	62.6#
88	28.1	33.8	50.8#





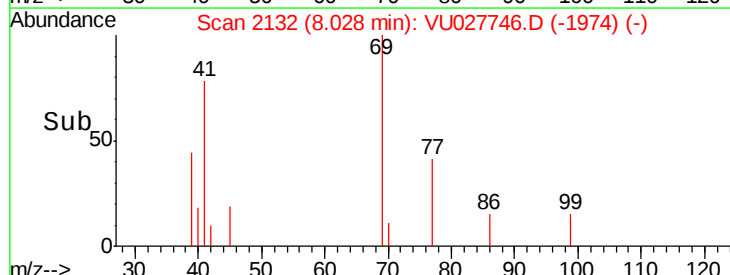
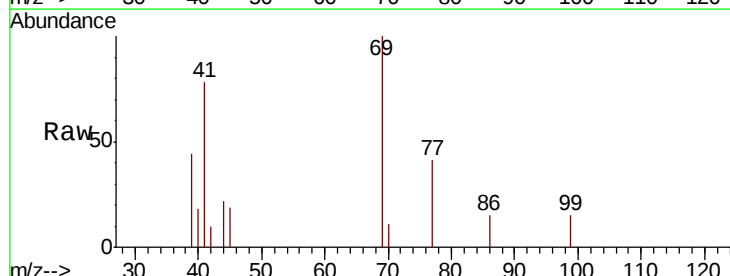
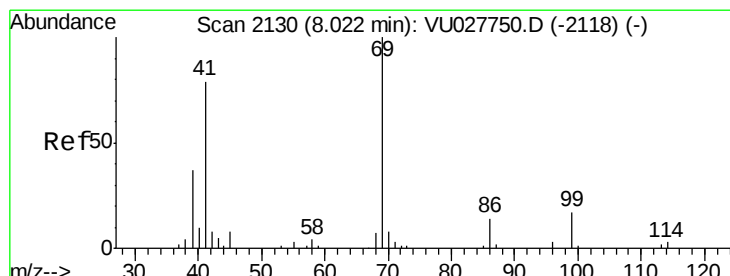
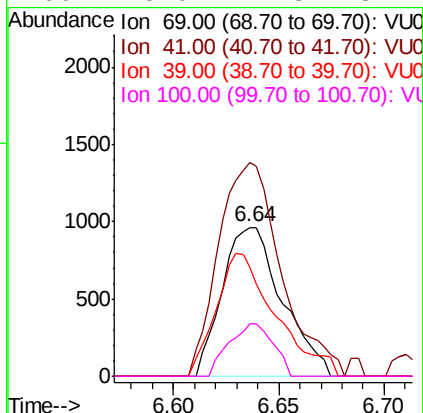
#47
Methyl methacrylate
Concen: 0.831 ug/l
RT: 6.64 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tot Ion	Ratio	Lower	Upper
69	100		
41	149.8	0.0	281.2
39	81.4	58.6	88.0
100	26.0	24.8	37.2

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

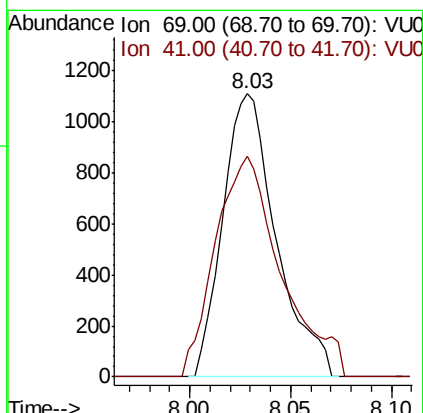
Manual Integrations
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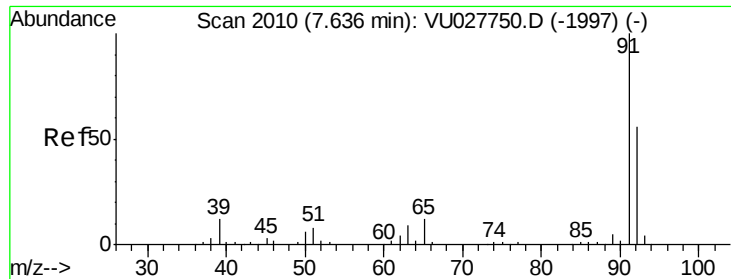
sam
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#48
Ethyl methacrylate
Concen: 0.417 ug/l
RT: 8.03 min Scan# 2132
Delta R.T. 0.01 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	95.6	39.1	117.2





#49

Toluene

Concen: 0.447 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 92 Resp: 4471

Ion Ratio Lower Upper

92 100

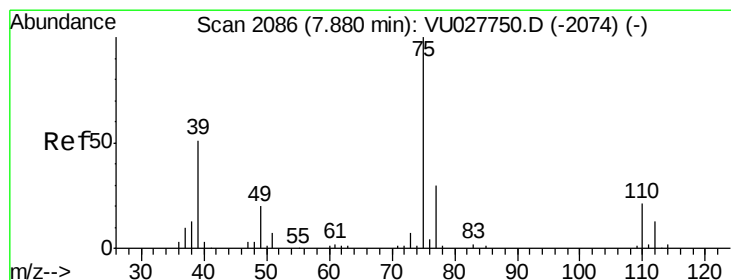
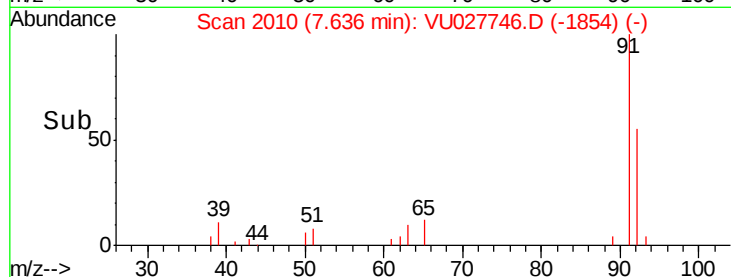
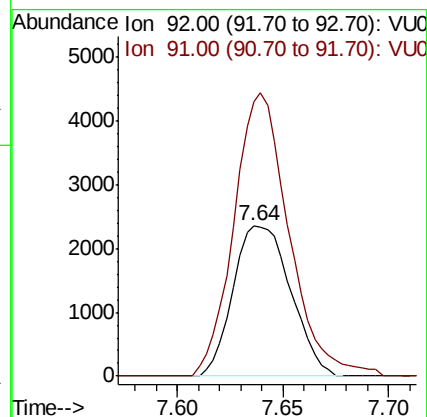
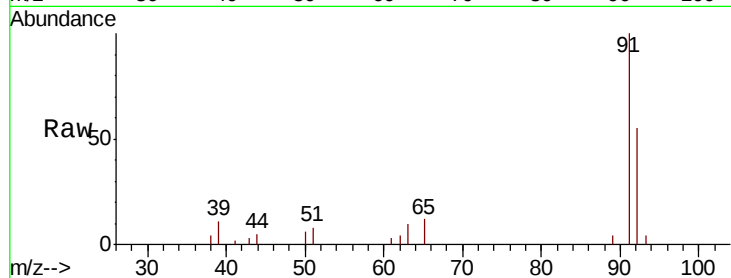
91 180.4 141.8 212.8

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 0.477 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027746.D

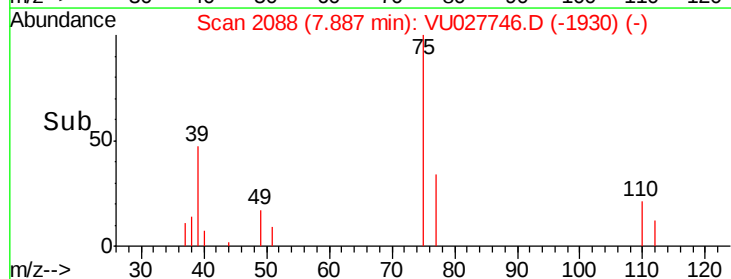
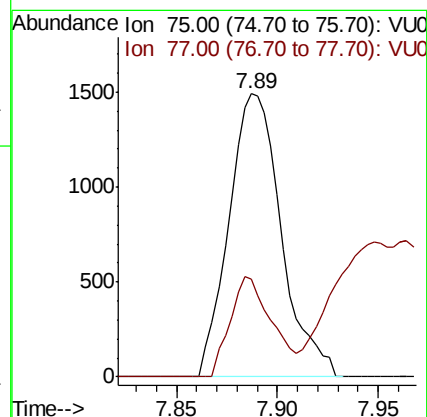
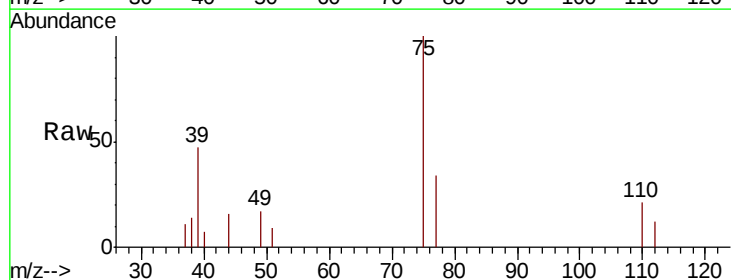
Acq: 22 Oct 2018 17:32

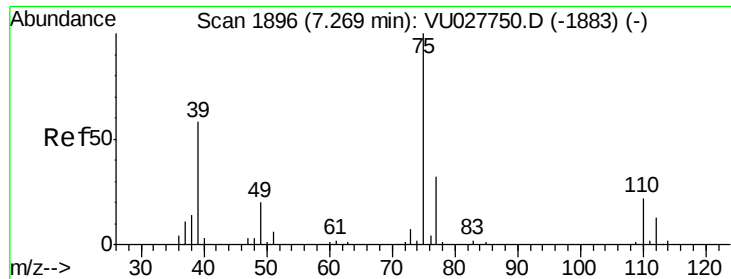
Tgt Ion: 75 Resp: 2701

Ion Ratio Lower Upper

75 100

77 34.3 24.1 36.1





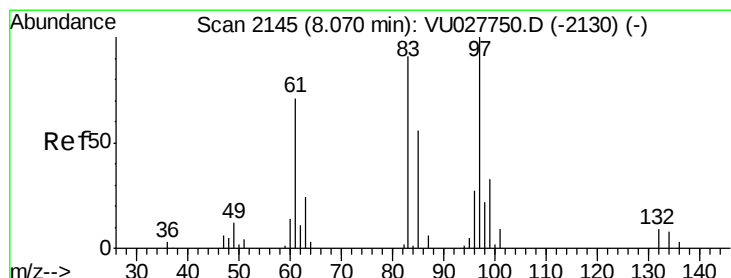
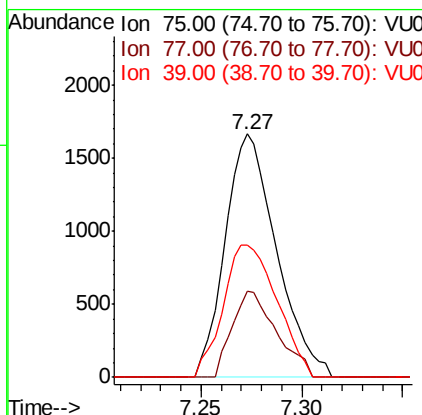
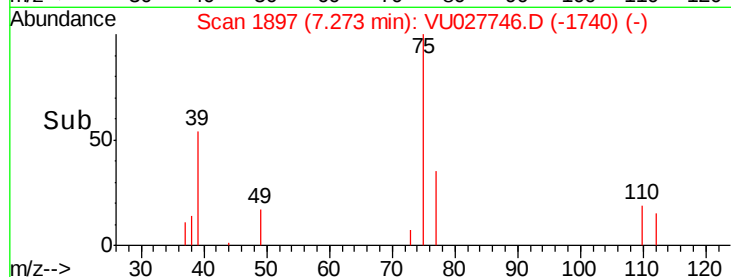
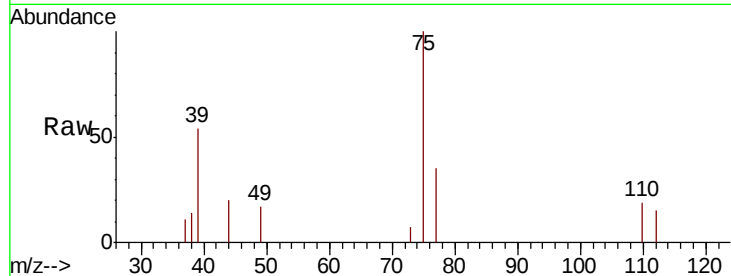
#51
 cis-1,3-Dichloropropene
 Concen: 0.441 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.1	25.3	37.9
39	54.1	46.4	69.6

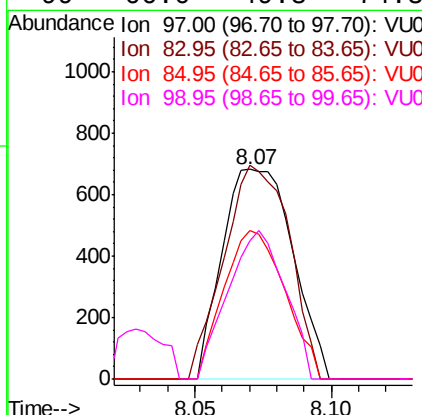
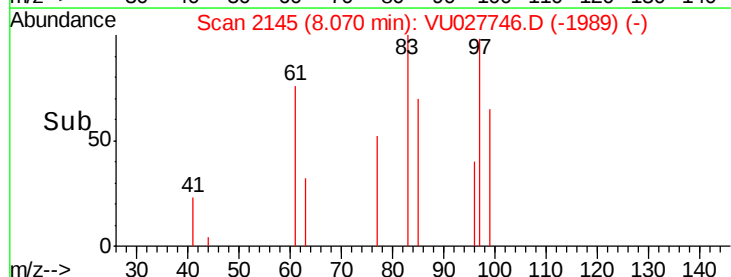
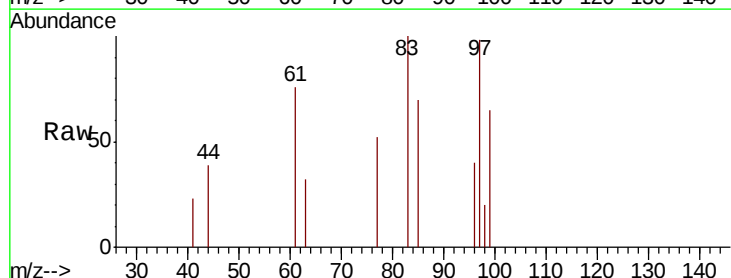
Manual Integrations
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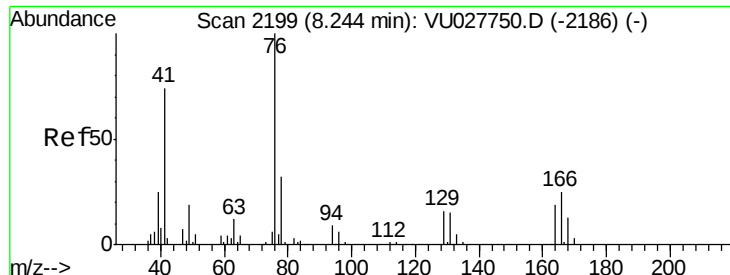
sam
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#52
 1,1,2-Trichloroethane
 Concen: 0.418 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
97	100		
83	101.9	73.0	109.6
85	71.1	46.5	69.7#
99	66.0	49.8	74.8





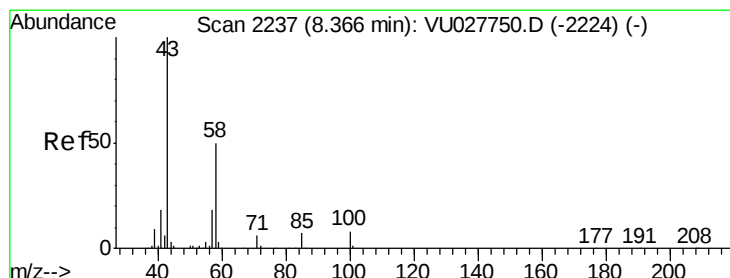
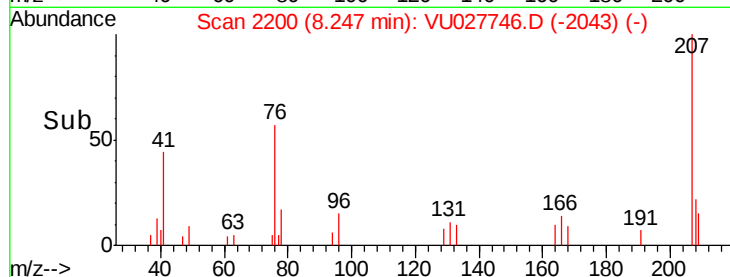
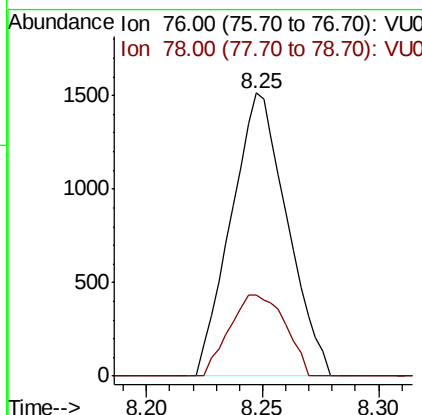
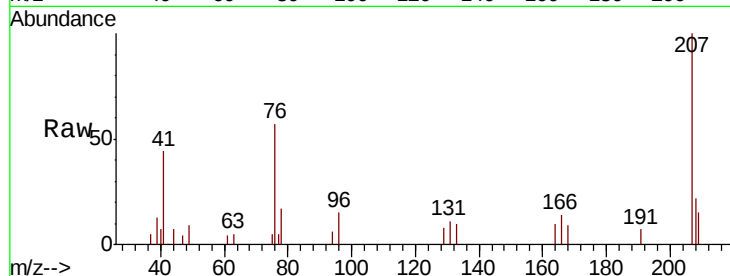
#53
 1,3-Dichloropropane
 Concen: 0.468 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
78	28.4	25.4	38.0

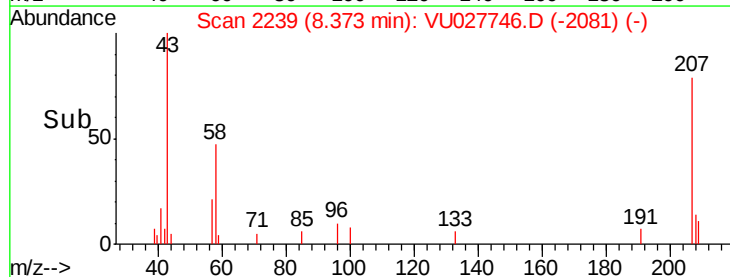
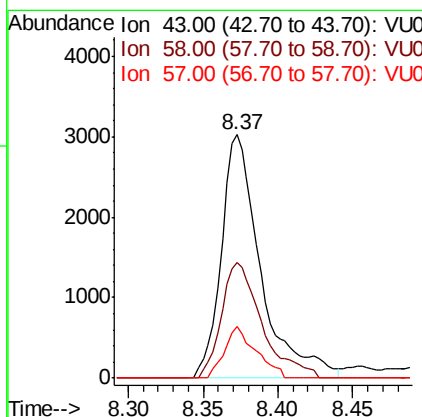
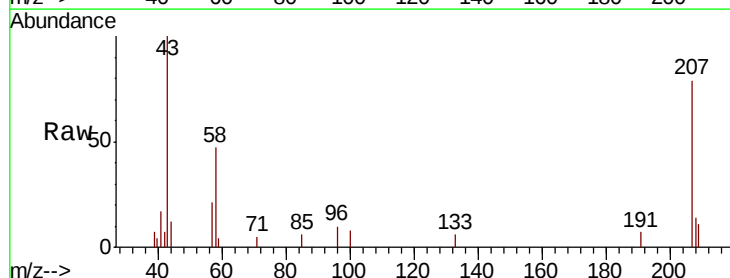
Manual Integrations
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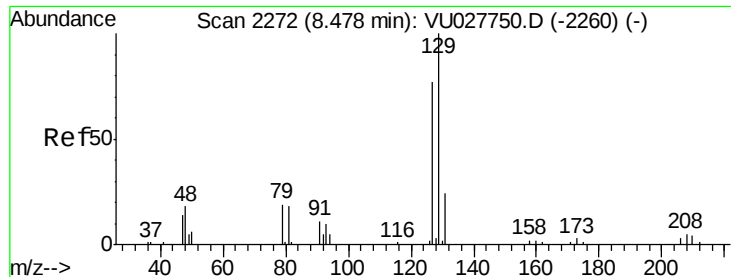
sam
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#54
 2-Hexanone
 Concen: 2.145 ug/l
 RT: 8.37 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.6	30.0	70.0
57	16.8	0.0	37.7





#55

Dibromochloromethane

Concen: 0.453 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:129 Resp: 1617

Ion Ratio Lower Upper

129 100

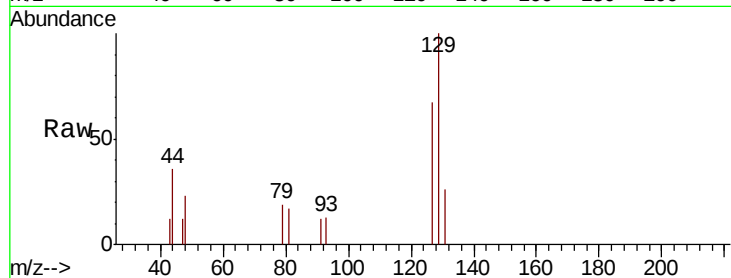
127 67.7 61.9 92.9

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

8.48

1000

800

600

400

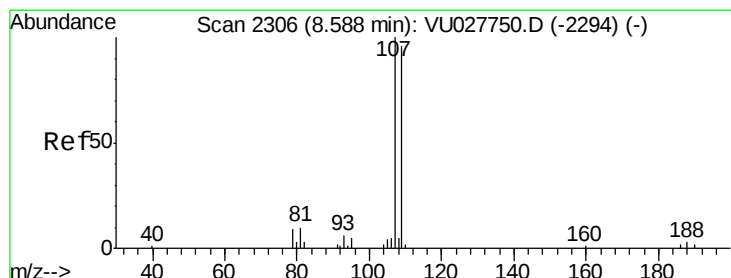
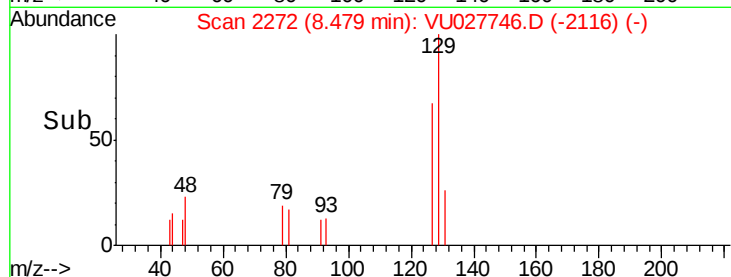
200

0

8.45

8.50

Time-->



#56

1,2-Dibromoethane

Concen: 0.462 ug/l

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU027746.D

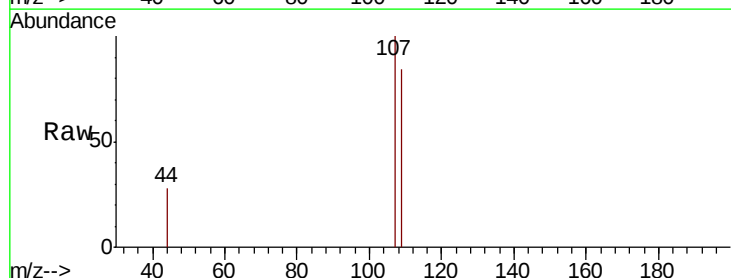
Acq: 22 Oct 2018 17:32

Tgt Ion:107 Resp: 1281

Ion Ratio Lower Upper

107 100

109 87.2 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

800

600

400

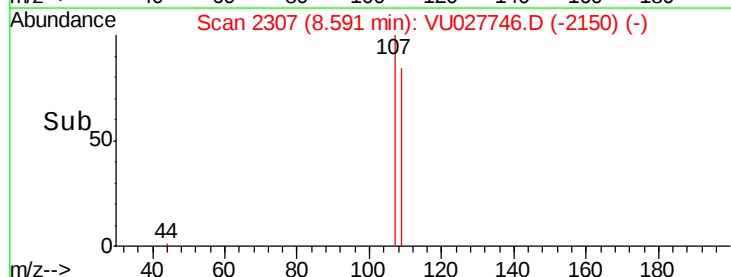
200

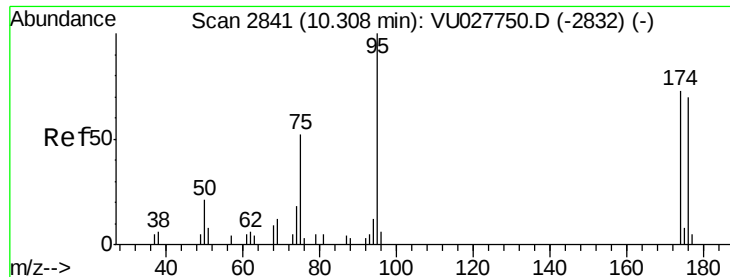
0

8.55

8.60

Time-->





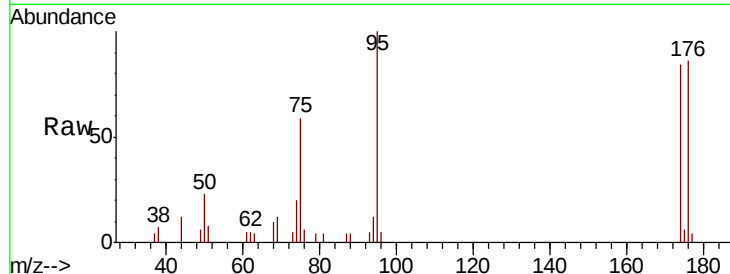
#57
4-Bromofluorobenzene
Concen: 0.462 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
95	100		
174	81.7	64.5	96.7
176	84.6	58.3	87.5

Manual Integrations
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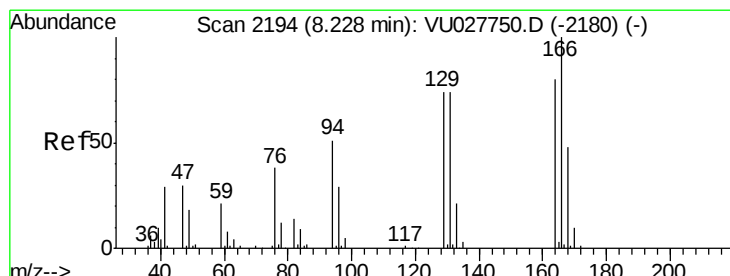
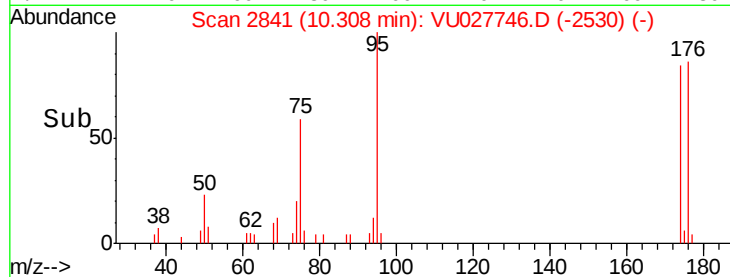
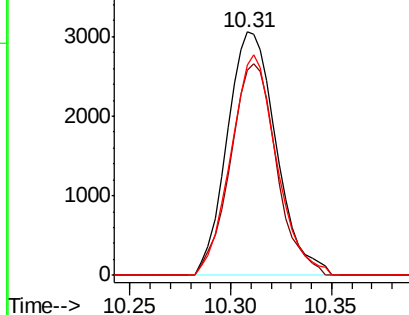


Abundance

Ion 95.00 (94.70 to 95.70): VU027746.D (-2530) (-)

Ion 174.00 (173.70 to 174.70): VU027746.D (-2530) (-)

Ion 176.00 (175.70 to 176.70): VU027746.D (-2530) (-)



#58
Tetrachloroethene
Concen: 0.483 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.0	100.2	150.4
129	88.1	73.7	110.5
131	93.1	73.8	110.6

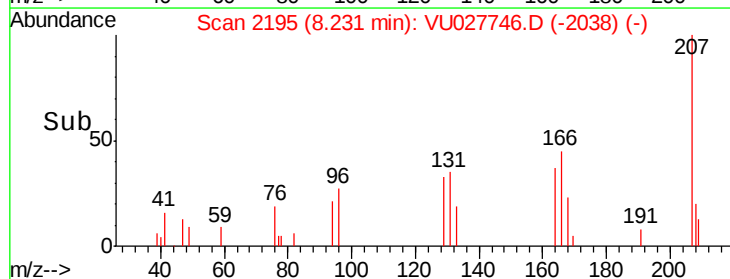
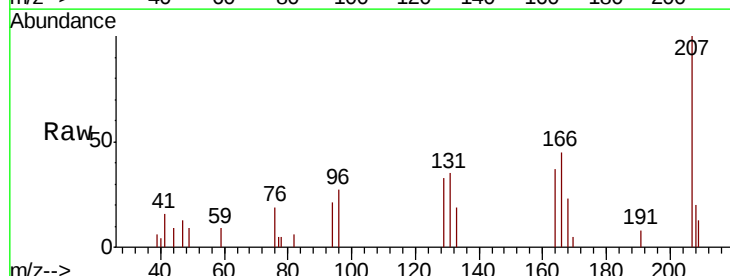
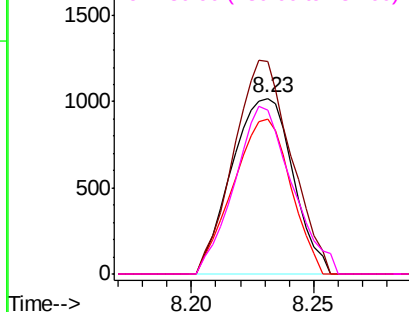
Abundance

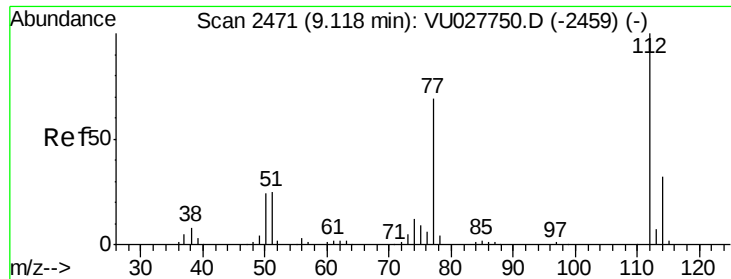
Ion 163.85 (163.55 to 164.55): VU027746.D (-2038) (-)

Ion 165.80 (165.50 to 166.50): VU027746.D (-2038) (-)

Ion 128.90 (128.60 to 129.60): VU027746.D (-2038) (-)

Ion 130.90 (130.60 to 131.60): VU027746.D (-2038) (-)





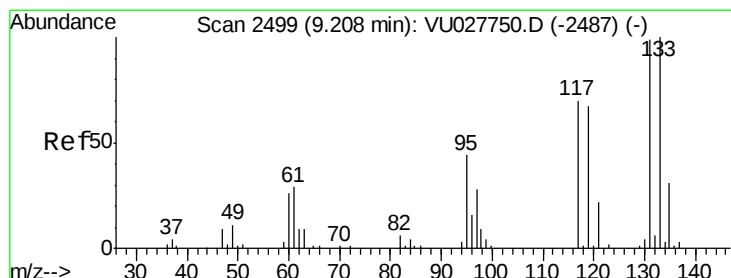
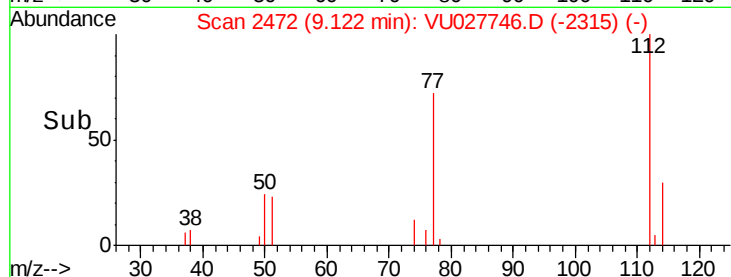
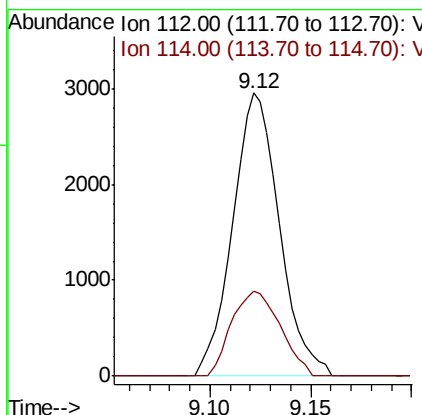
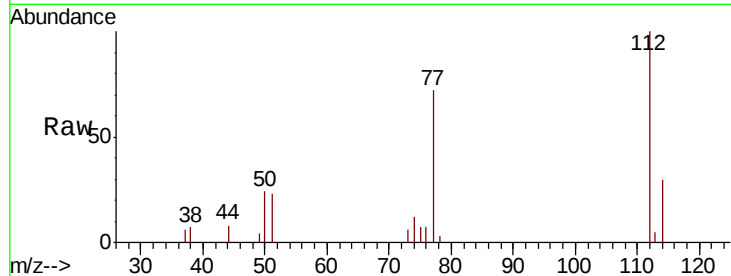
#59
Chlorobenzene
Concen: 0.457 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:112 Resp: 4788
Ion Ratio Lower Upper
112 100
114 29.8 25.4 38.0

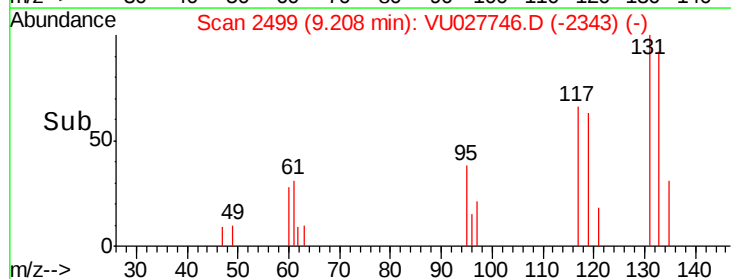
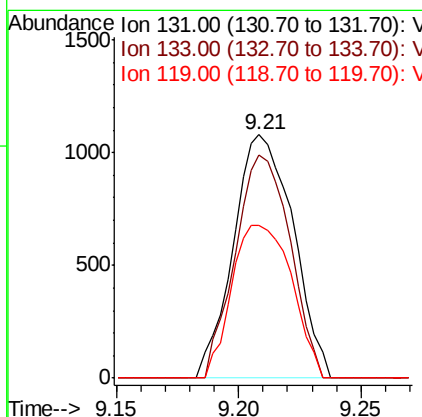
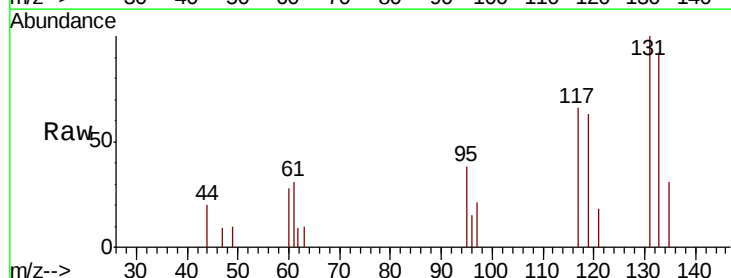
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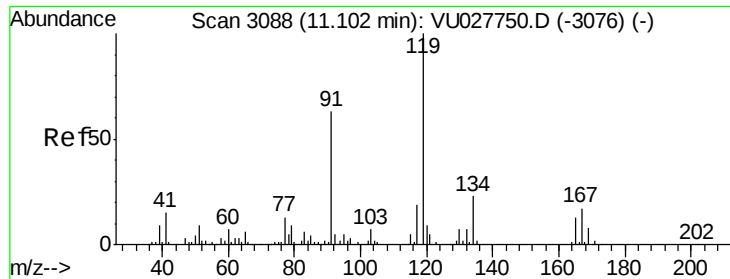
sam
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.482 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion:131 Resp: 1829
Ion Ratio Lower Upper
131 100
133 84.4 77.5 116.3
119 63.3 52.0 78.0





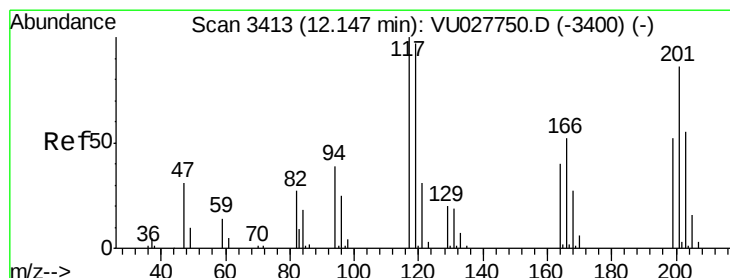
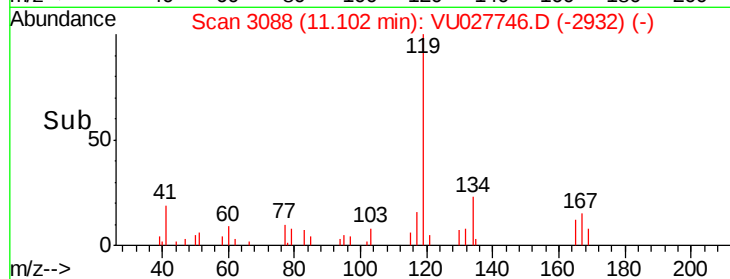
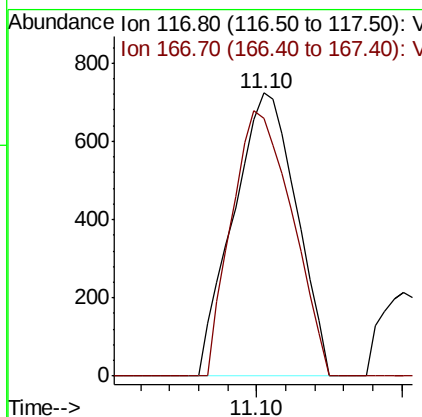
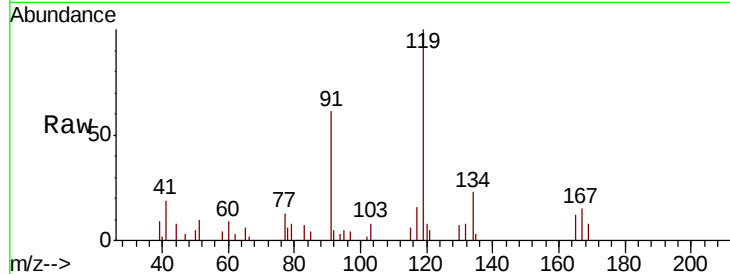
#61
 Pentachloroethane
 Concen: 0.371 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
117	100	1091		
167	89.8	70.1	105.1	

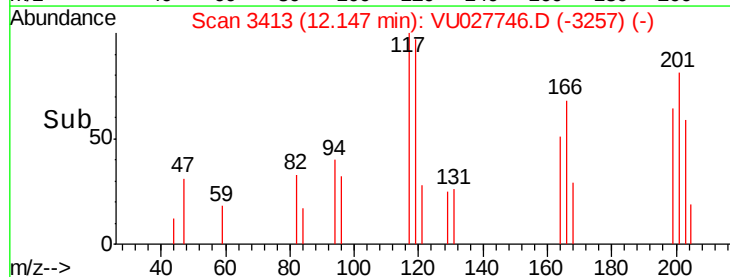
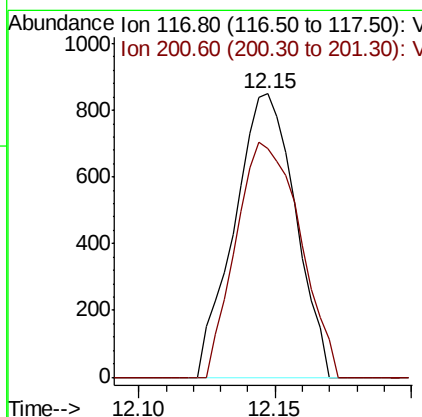
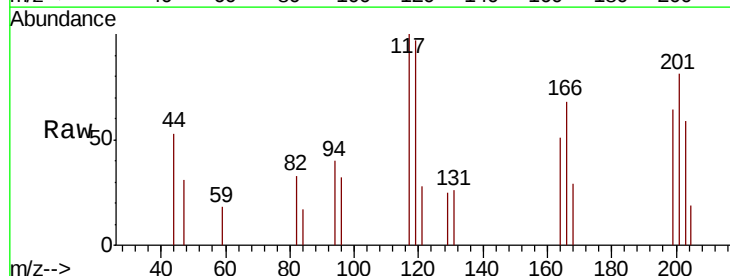
Manual Integrations
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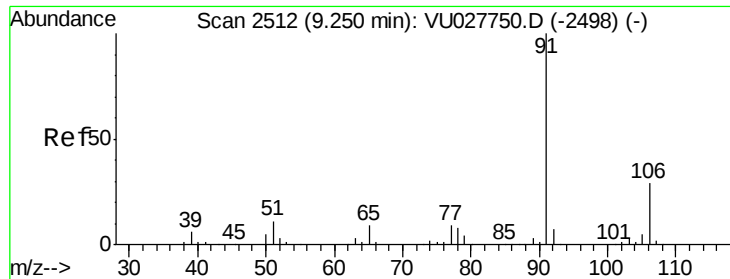
sam
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#62
 Hexachloroethane
 Concen: 0.416 ug/l
 RT: 12.15 min Scan# 3413
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1317		
201	87.2	66.0	99.0	





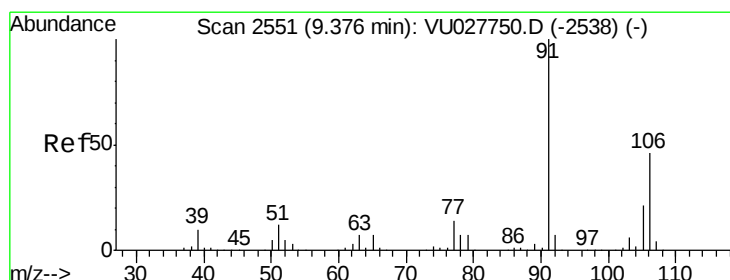
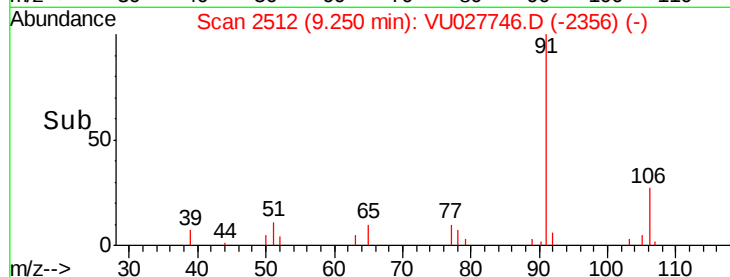
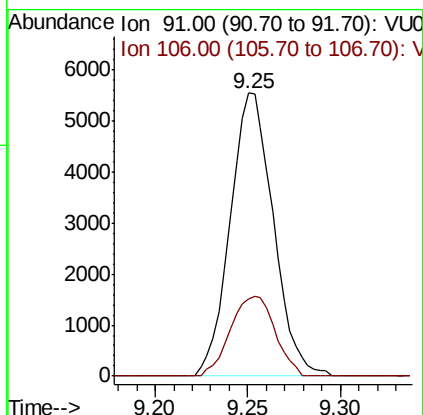
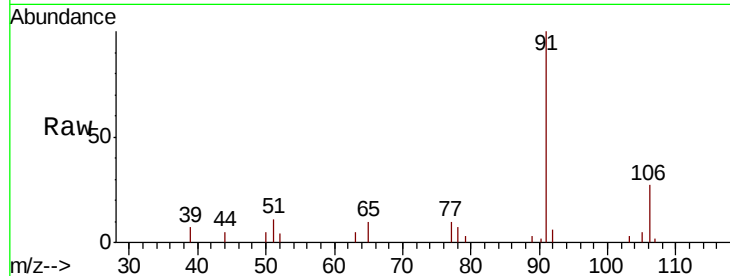
#63
Ethyl Benzene
Concen: 0.464 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 8976
Ion Ratio Lower Upper
91 100
106 27.3 23.5 35.3

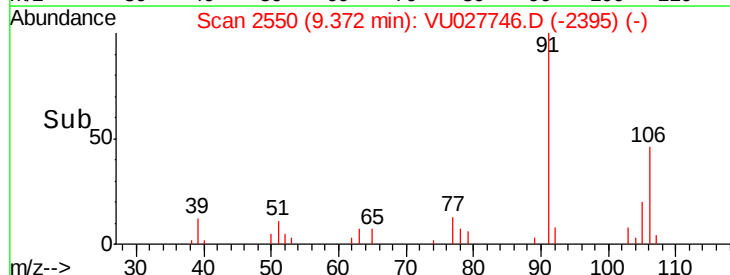
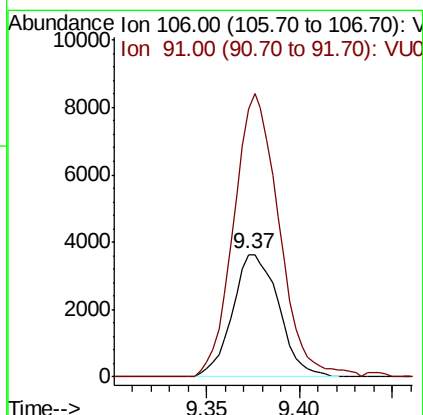
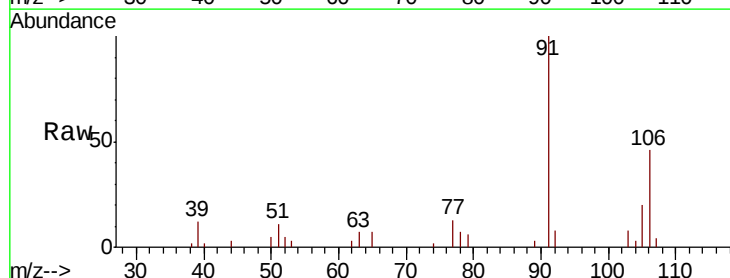
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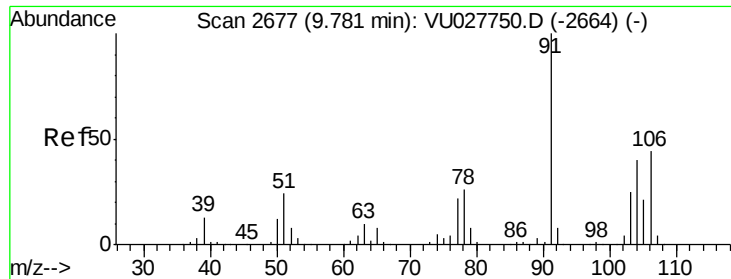
sam
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#64
m/p-Xylenes
Concen: 0.894 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion: 106 Resp: 6329
Ion Ratio Lower Upper
106 100
91 225.9 173.3 259.9





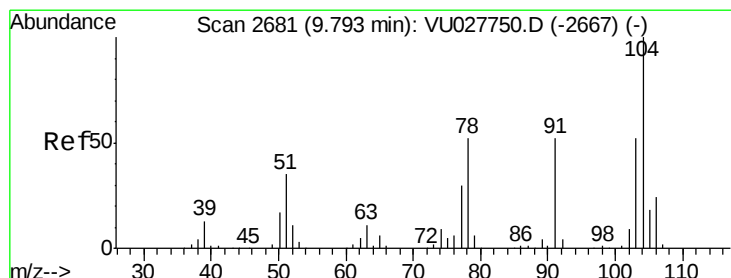
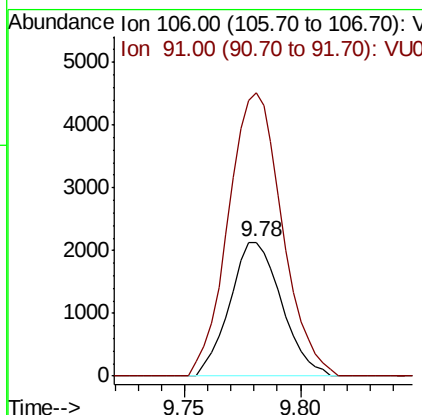
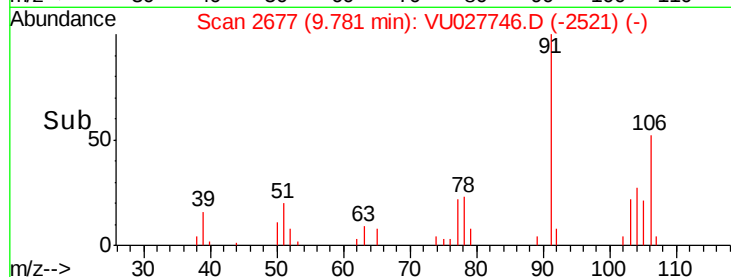
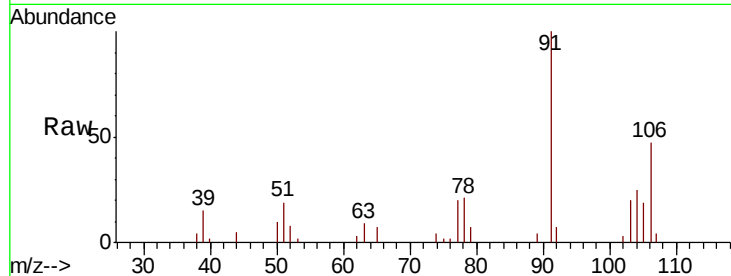
#65
o-Xylene
Concen: 0.469 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:106 Resp: 3314
Ion Ratio Lower Upper
106 100
91 219.1 113.4 340.2

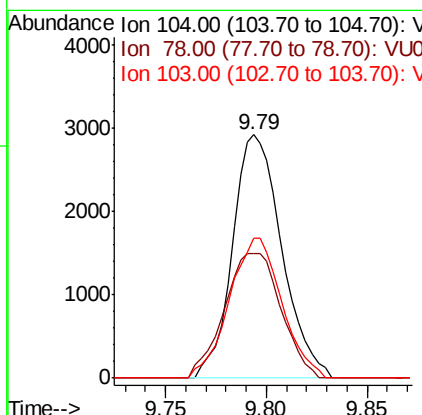
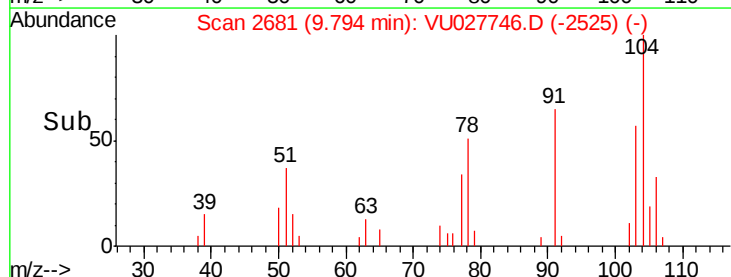
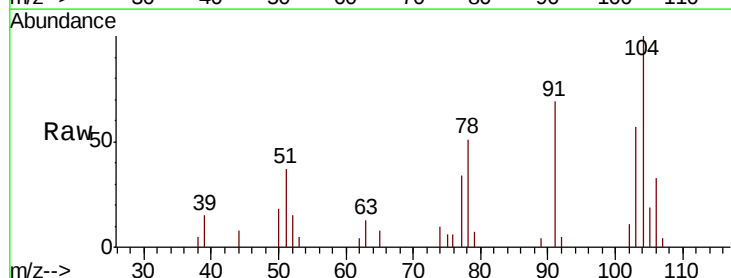
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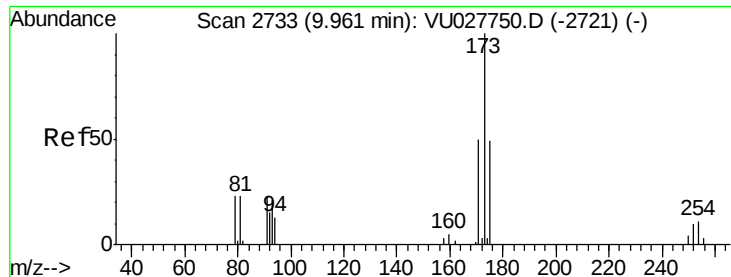
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#66
Styrene
Concen: 0.426 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion:104 Resp: 4984
Ion Ratio Lower Upper
104 100
78 58.9 45.2 67.8
103 61.3 44.8 67.2





#67

Bromoform

Concen: 0.441 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

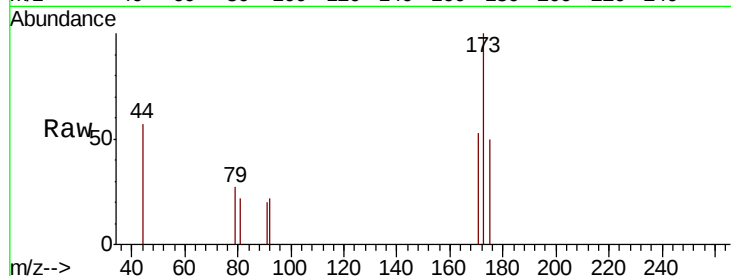
ClientSampleId :

VSTDIC0.5

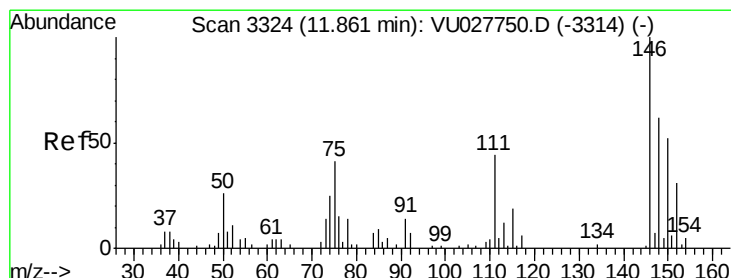
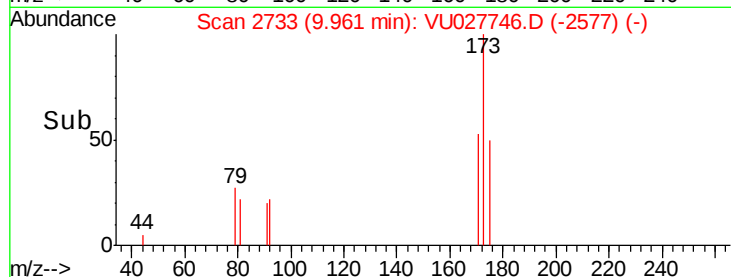
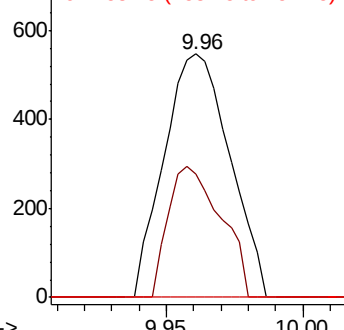
Tot Ion	Ratio	Lower	Upper
173	100		
175	43.6	39.6	59.4
254	0.0	7.8	11.6

Manual Integrations
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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



#68

1,2-Dichlorobenzene-d4

Concen: 0.441 ug/l

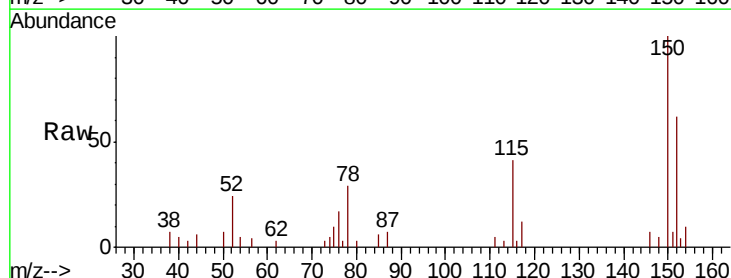
RT: 11.86 min Scan# 3324

Delta R.T. 0.00 min

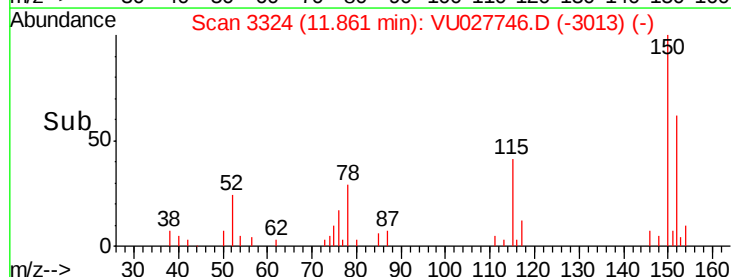
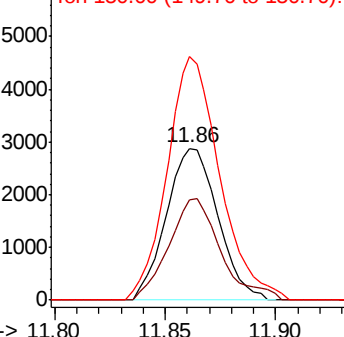
Lab File: VU027746.D

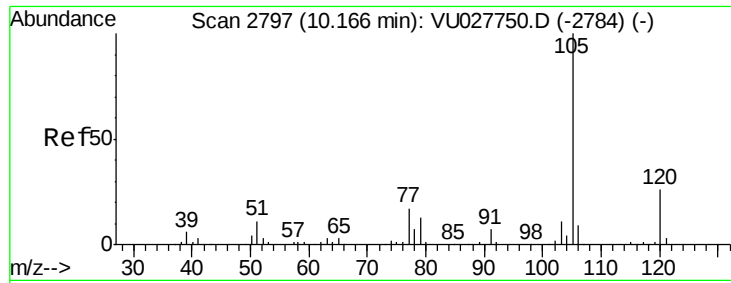
Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.5	0.0	130.2
150	164.2	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: 0.459 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 8679

Ion Ratio Lower Upper

105 100

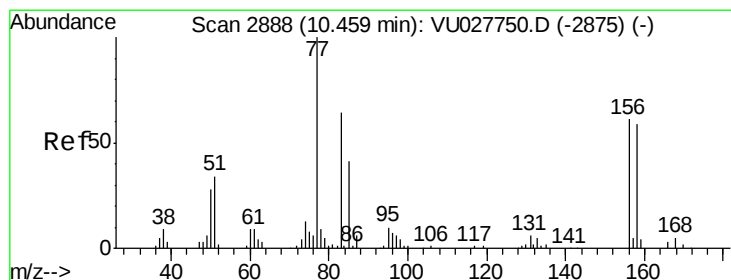
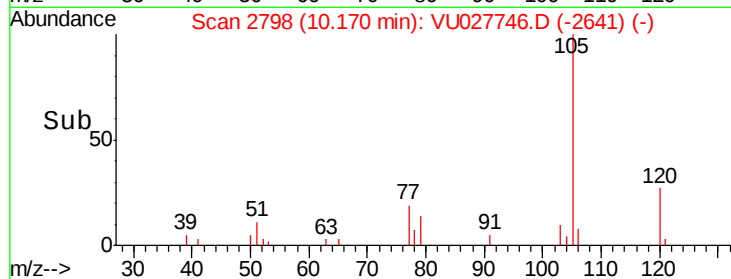
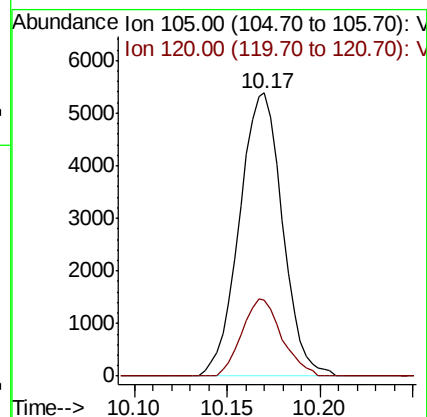
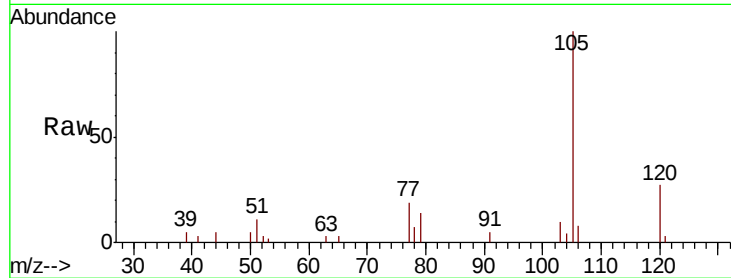
120 25.2 12.8 38.3

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.446 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

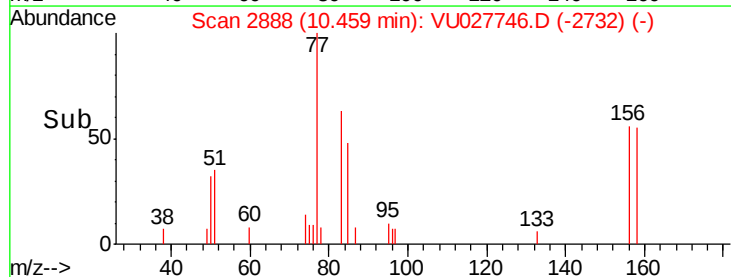
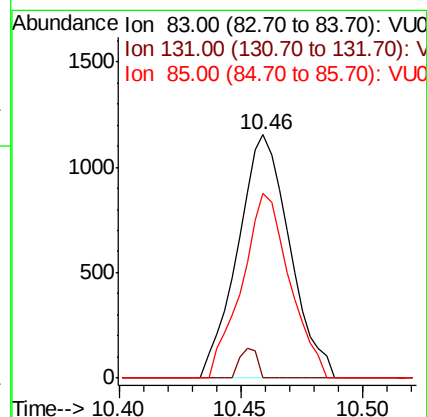
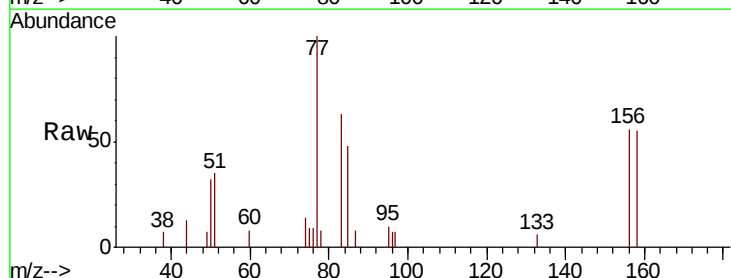
Tgt Ion: 83 Resp: 1700

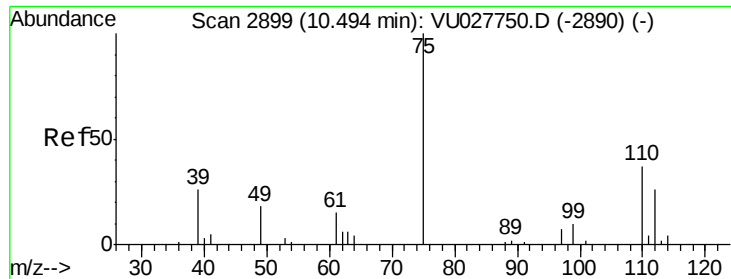
Ion Ratio Lower Upper

83 100

131 4.2 7.7 11.5#

85 69.8 51.2 76.8





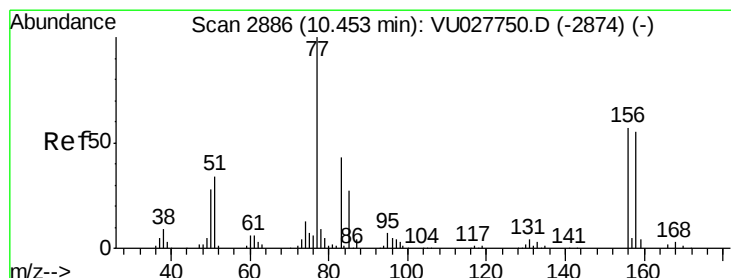
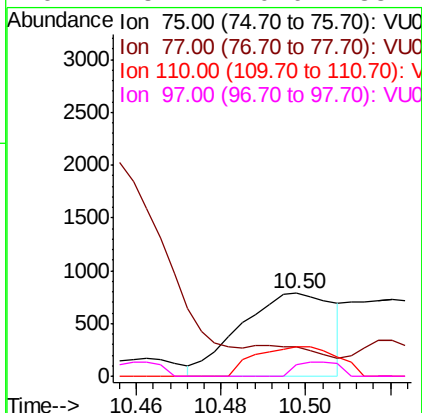
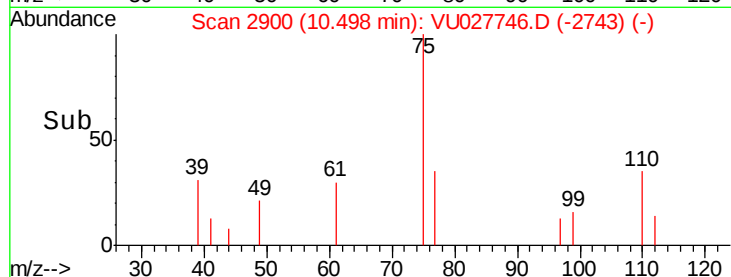
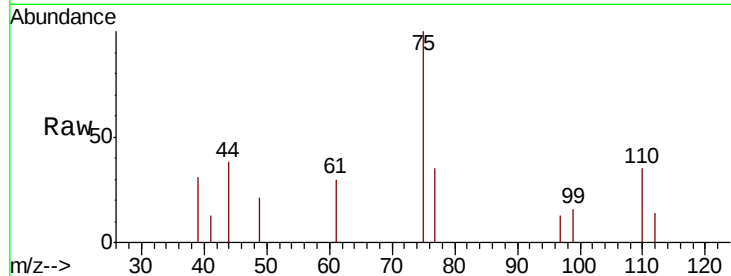
#71
1,2,3-Trichloropropane
Concen: 0.407 ug/l m
RT: 10.50 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	35.6	0.0	0.0#
110	110	31.4	0.0	68.2
97	97	8.1	0.0	35.2

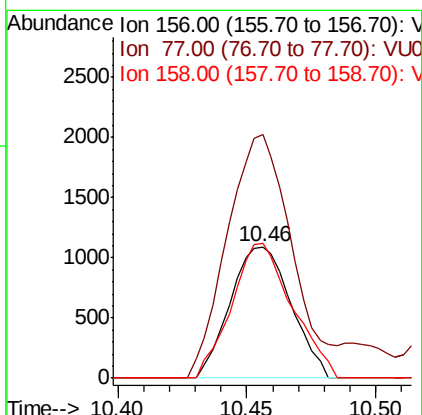
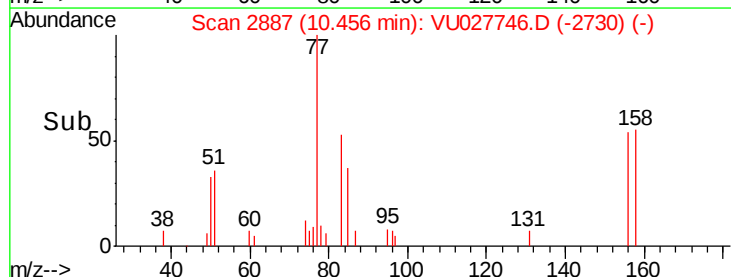
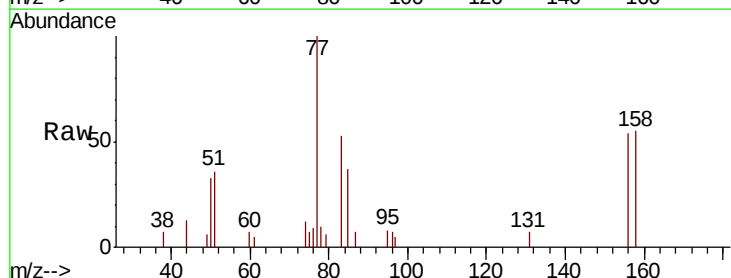
Manual Integrations
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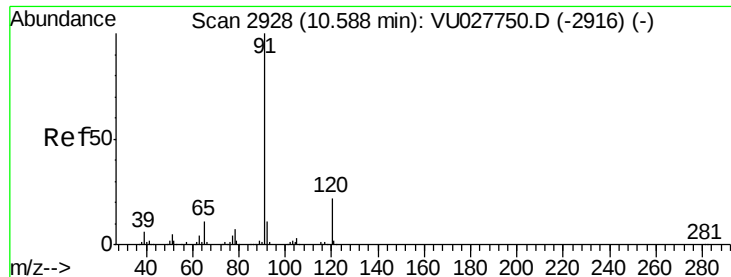
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#72
Bromobenzene
Concen: 0.423 ug/l
RT: 10.46 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	198.4	0.0	349.4
158	158	102.1	0.0	191.4





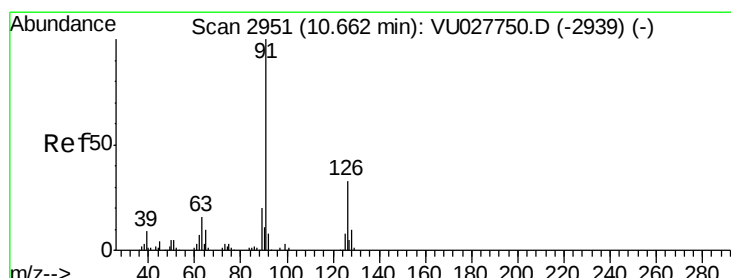
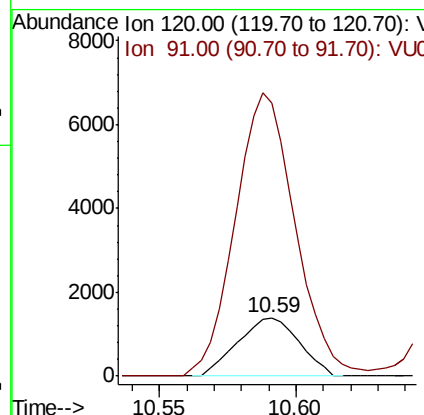
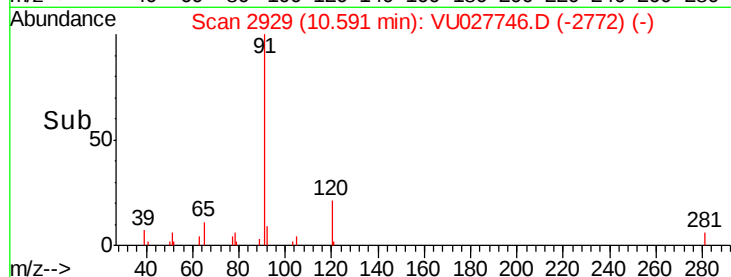
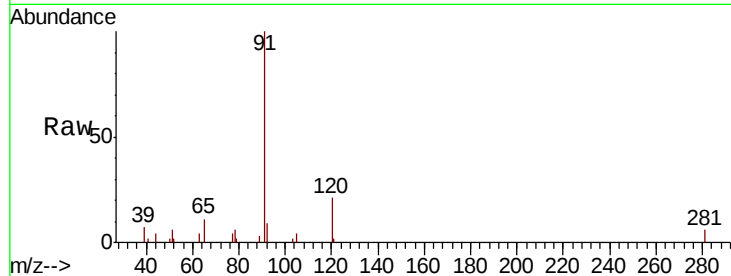
#73
n-propylbenzene
Concen: 0.448 ug/l
RT: 10.59 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:120 Resp: 2170
Ion Ratio Lower Upper
120 100
91 475.1 369.0 553.6

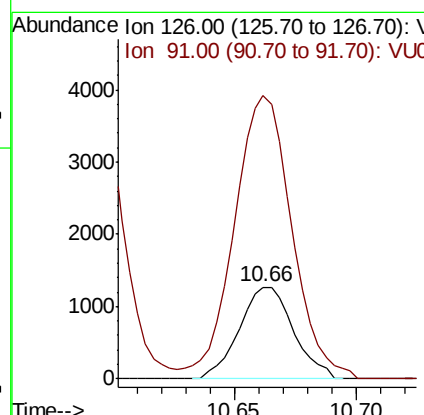
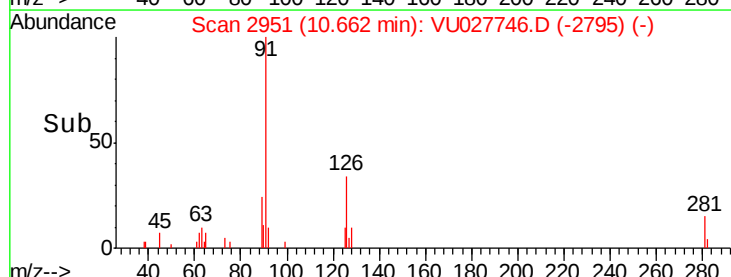
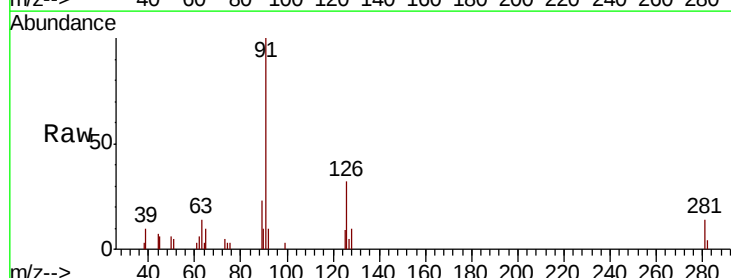
Manual Integrations
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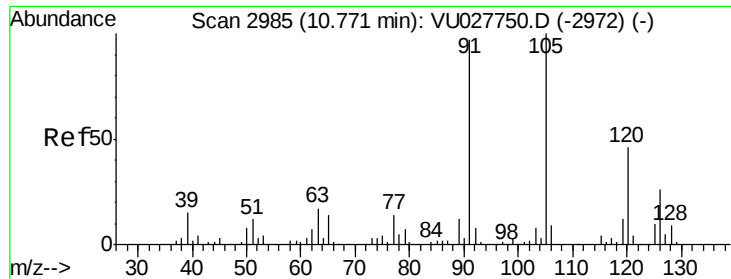
sam
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#74
2-Chlorotoluene
Concen: 0.450 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion:126 Resp: 1948
Ion Ratio Lower Upper
126 100
91 329.6 0.0 628.8





#75

1,3,5-Trimethylbenzene

Concen: 0.456 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 7196

Ion Ratio Lower Upper

105 100

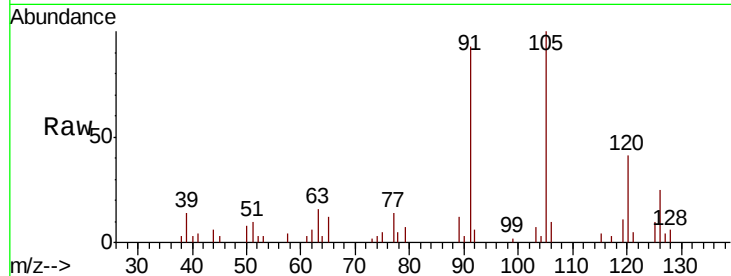
120 44.2 37.2 55.8

Manual Integrations

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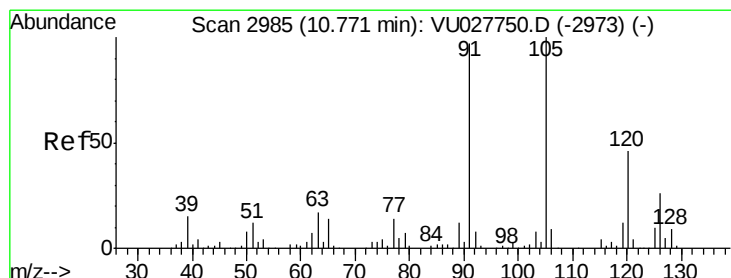
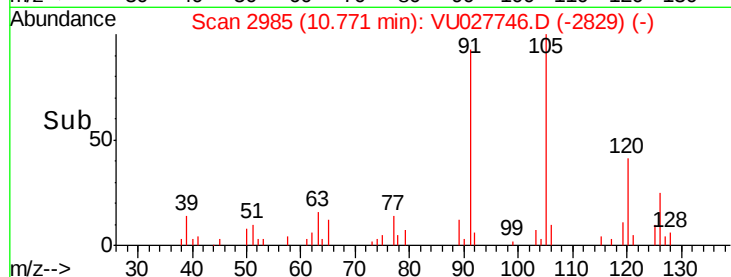
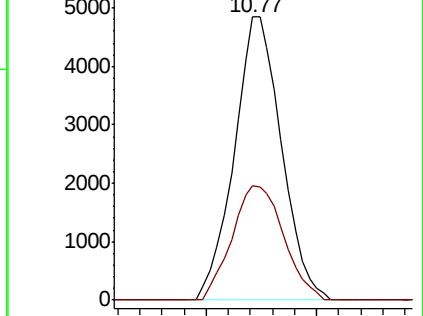
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.435 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027746.D

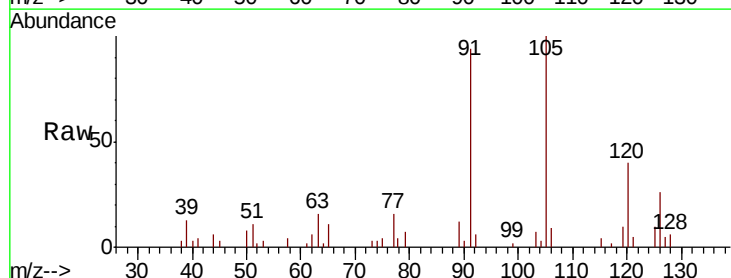
Acq: 22 Oct 2018 17:32

Tgt Ion:126 Resp: 1815

Ion Ratio Lower Upper

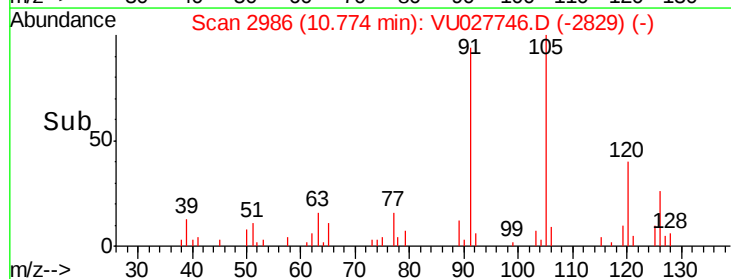
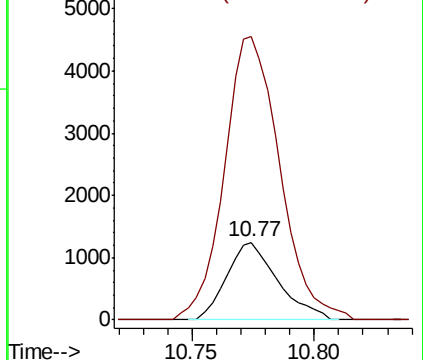
126 100

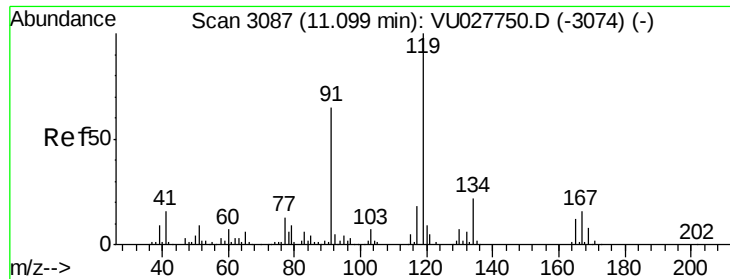
91 396.2 0.0 734.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





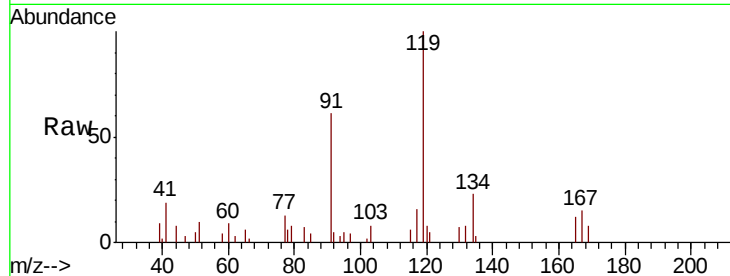
#77
tert-Butylbenzene
Concen: 0.455 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

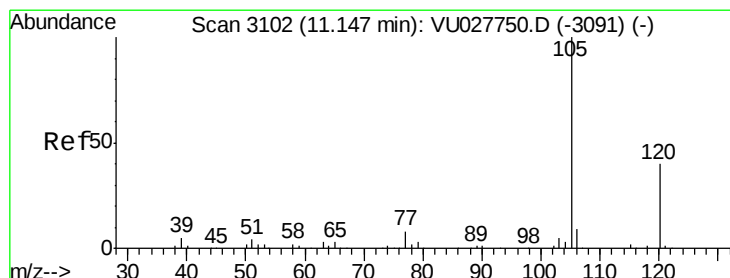
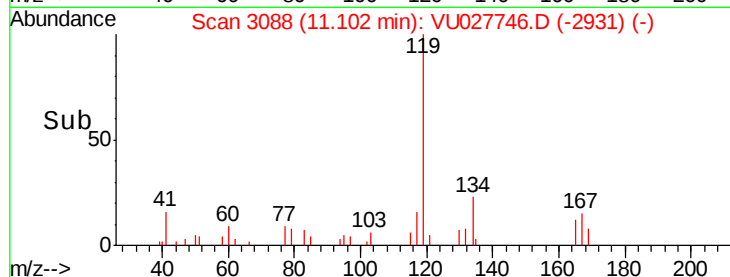
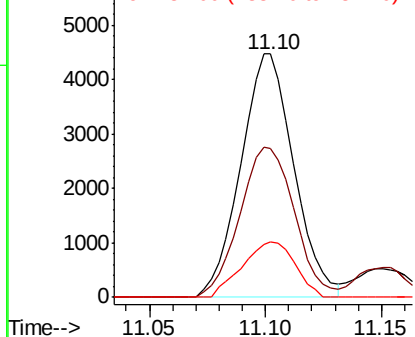
Tot Ion	Ratio	Resp	Lower	Upper
119	100	7115		
91	63.7		31.8	95.4
134	22.6		17.7	26.5

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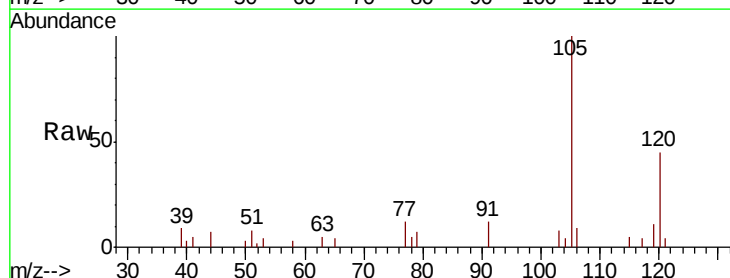


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

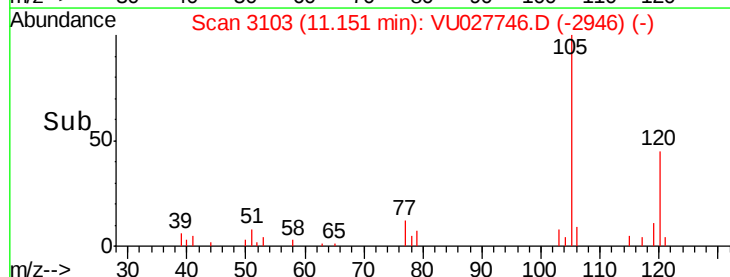
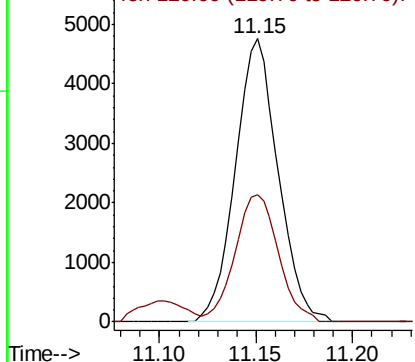


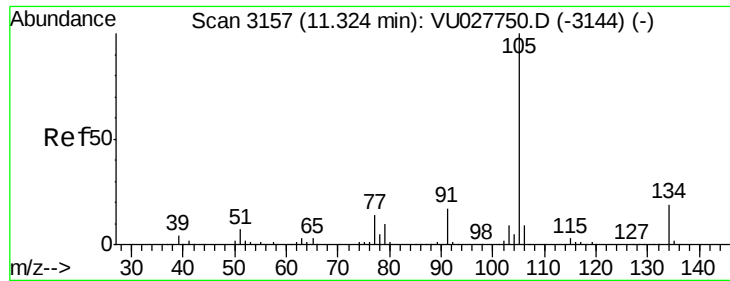
#78
1,2,4-Trimethylbenzene
Concen: 0.449 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	7304		
120	45.6		21.6	64.6



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





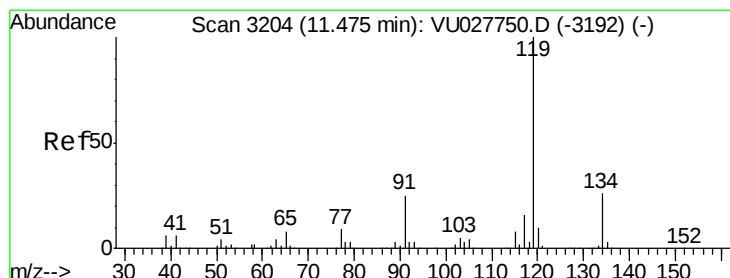
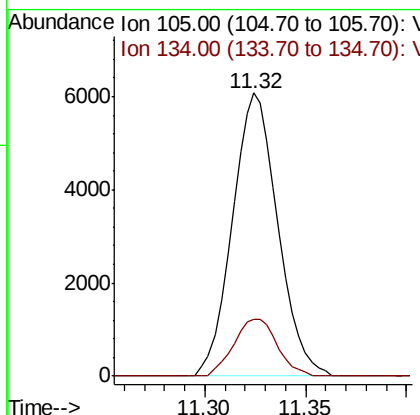
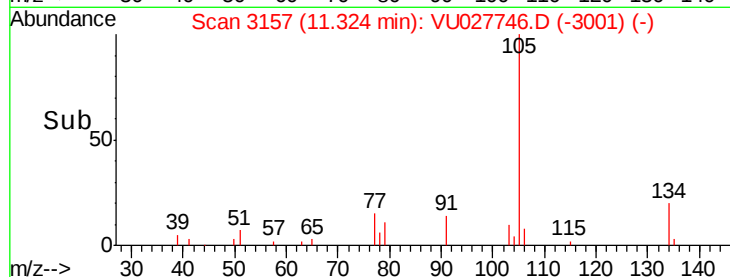
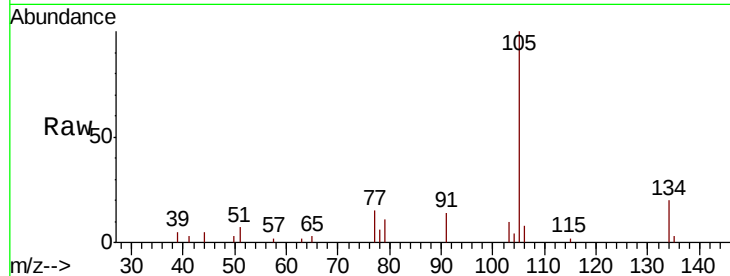
#79
 sec-Butylbenzene
 Concen: 0.476 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.2	22.8

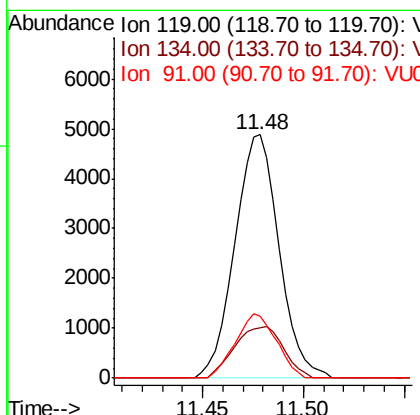
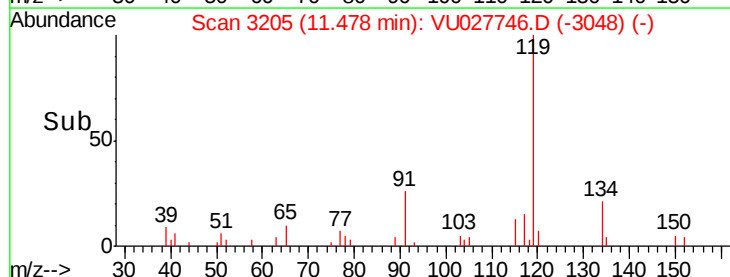
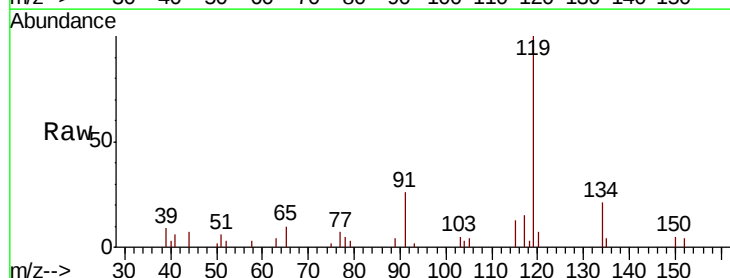
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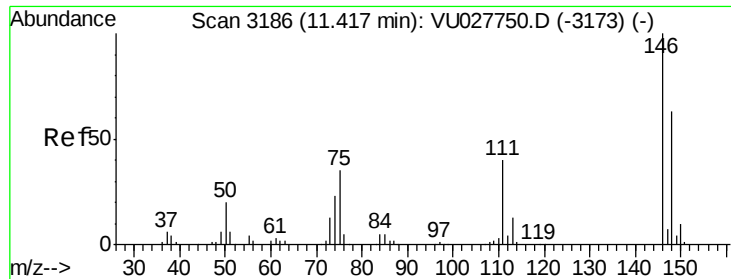
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#81
 p-Isopropyltoluene
 Concen: 0.459 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.5	20.3	30.5
91	24.5	20.2	30.4





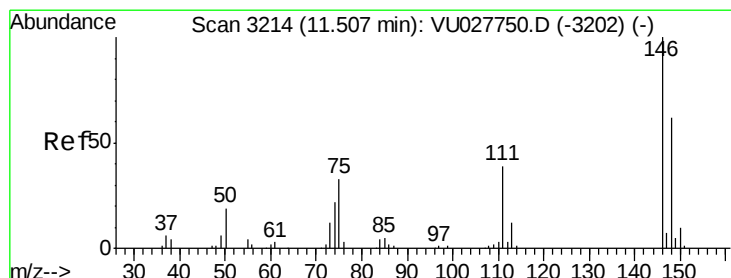
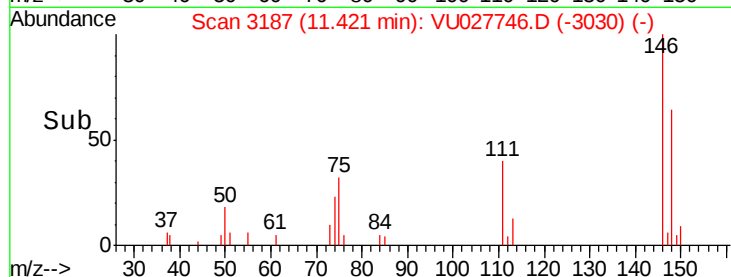
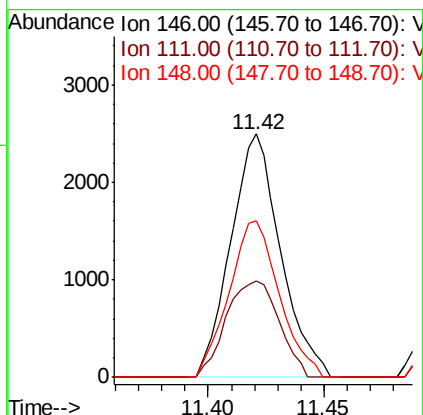
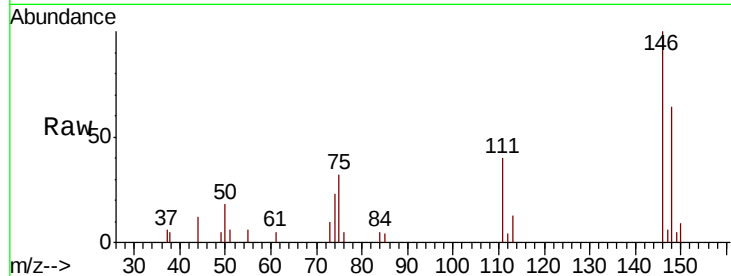
#82
 1,3-Dichlorobenzene
 Concen: 0.458 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	32.7	49.1
148	64.7	50.6	75.8

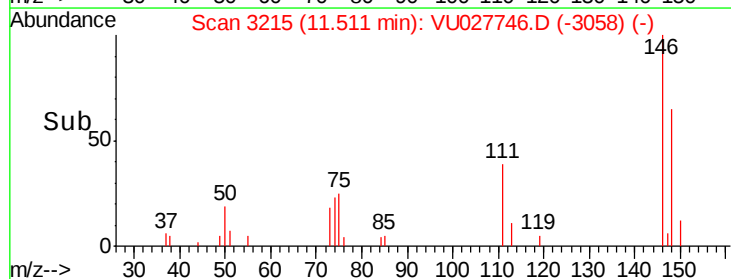
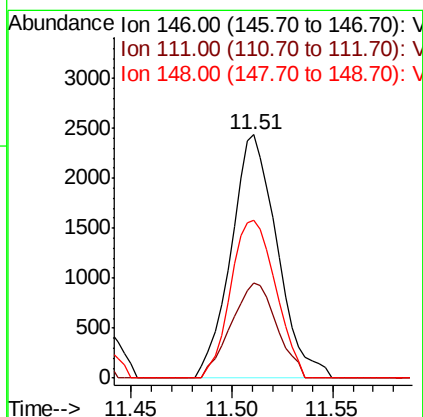
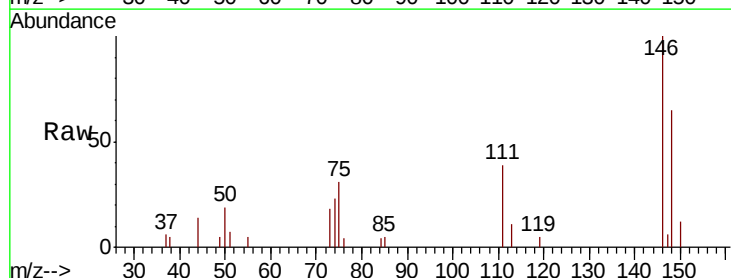
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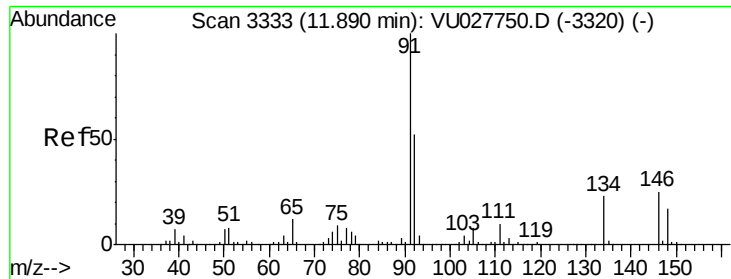
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#83
 1,4-Dichlorobenzene
 Concen: 0.486 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	32.0	48.0
148	63.4	50.9	76.3





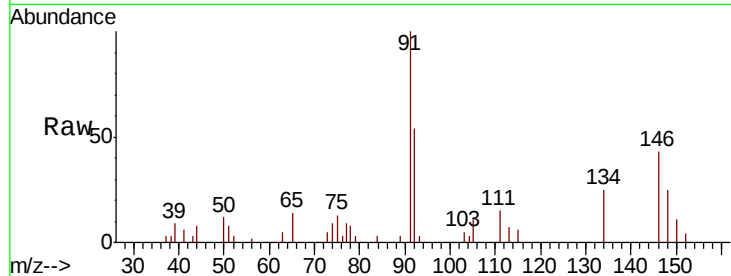
#84
n-Butylbenzene
Concen: 0.440 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	42.1	63.1
134	23.4	18.6	28.0

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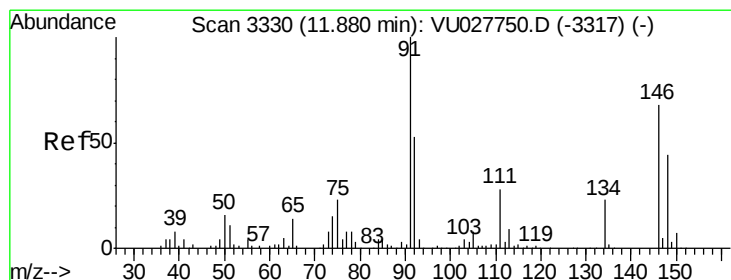
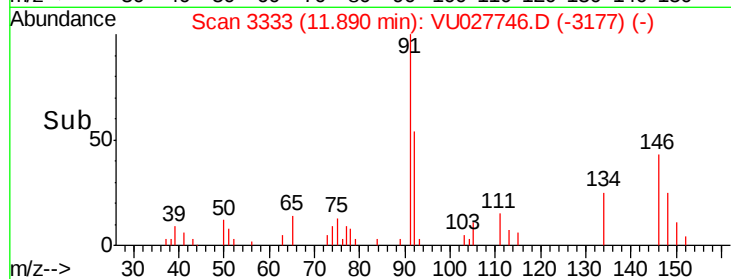
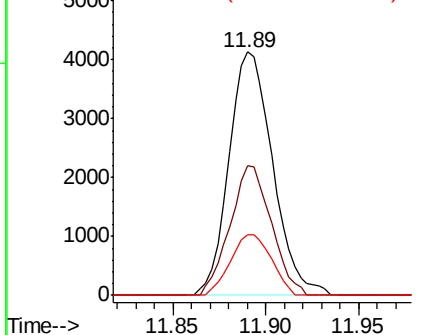


Abundance

Ion 91.00 (90.70 to 91.70): VU027750.D (-3320) (-)

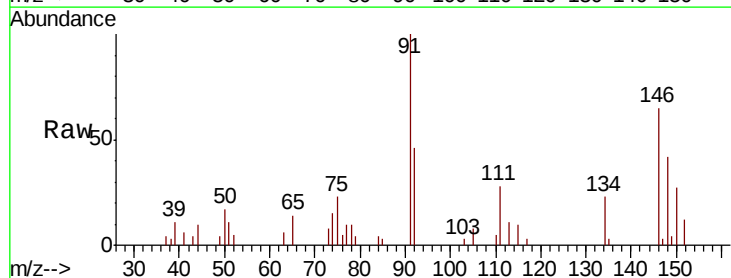
Ion 92.00 (91.70 to 92.70): VU027750.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU027750.D (-3320) (-)



#85
1,2-Dichlorobenzene
Concen: 0.473 ug/l
RT: 11.88 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	59.3	32.2	96.6

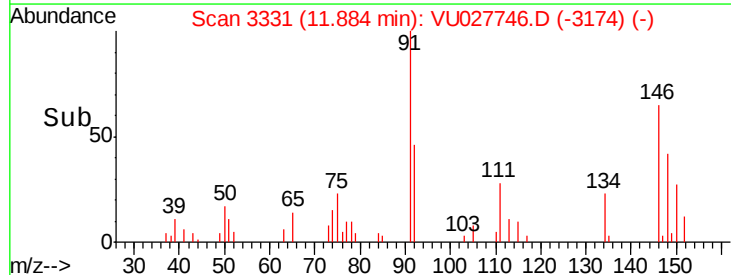
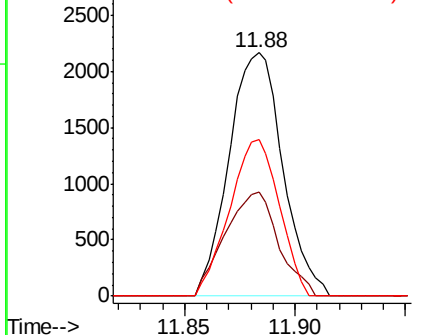


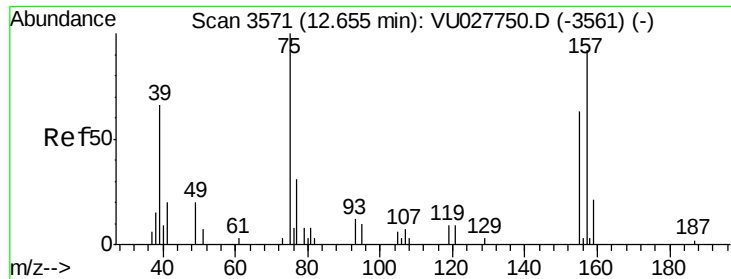
Abundance

Ion 146.00 (145.70 to 146.70): VU027750.D (-3317) (-)

Ion 111.00 (110.70 to 111.70): VU027750.D (-3317) (-)

Ion 148.00 (147.70 to 148.70): VU027750.D (-3317) (-)





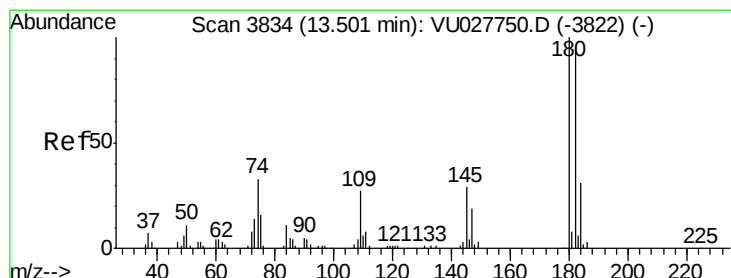
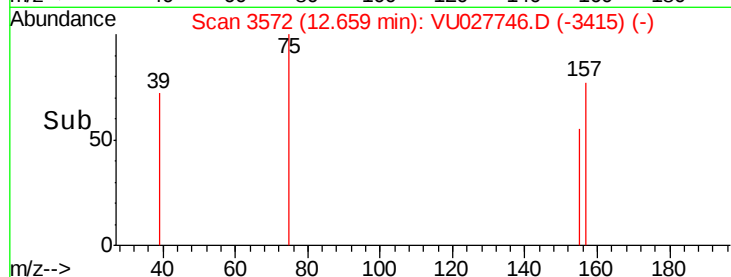
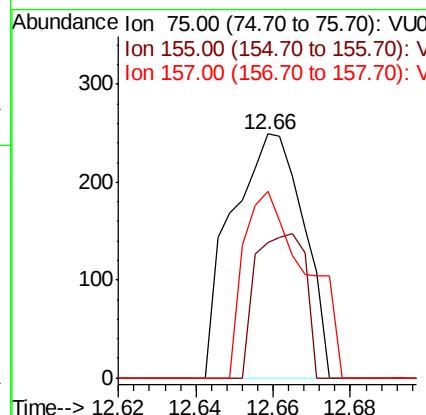
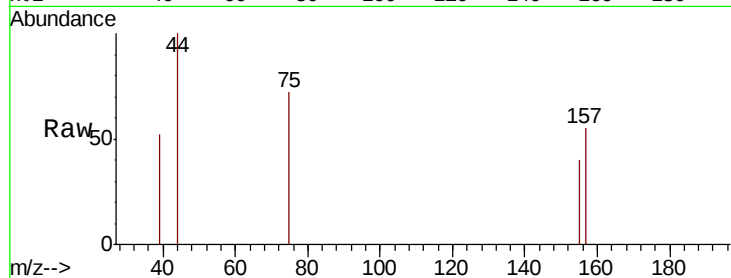
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.478 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
155	41.0	55.5	83.3#
157	66.1	71.0	106.4#

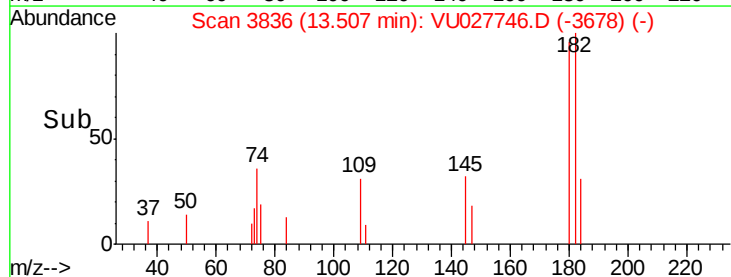
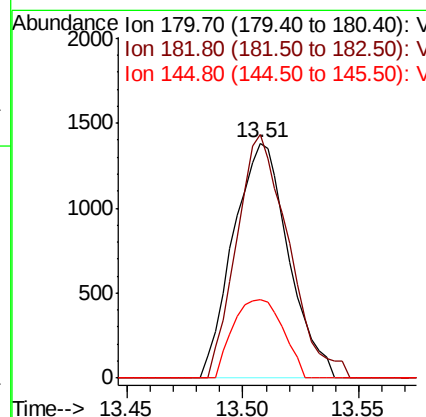
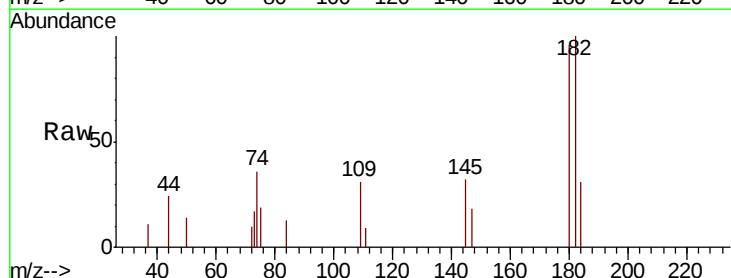
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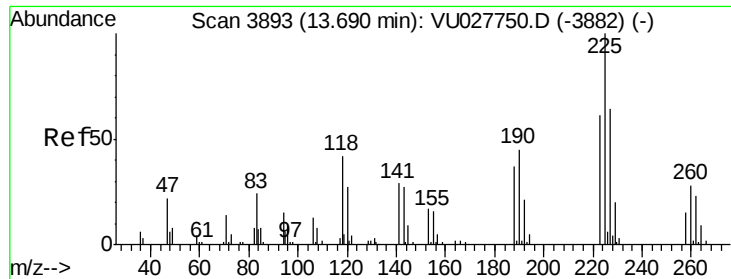
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.403 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.9	113.9
145	30.2	23.6	35.4





#88

Hexachlorobutadiene

Concen: 0.455 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

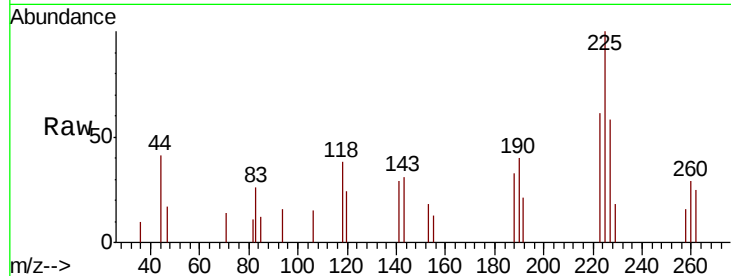
ClientSampleId :

VSTDIC0.5

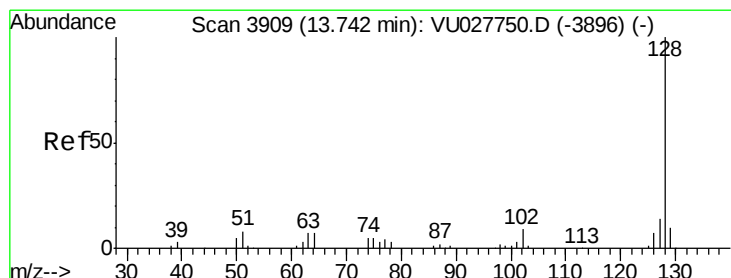
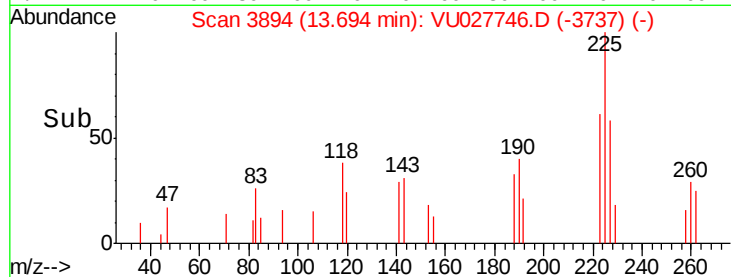
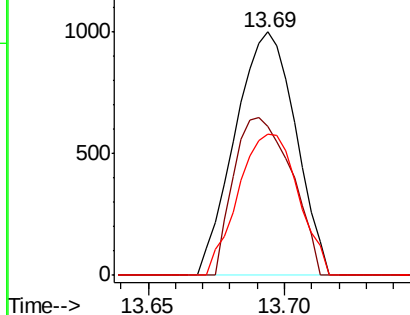
Tot Ion:	225	Resp:	1539
Ion Ratio	Lower	Upper	
225	100		
223	62.3	49.6	74.4
227	57.4	51.1	76.7

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Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 0.414 ug/l

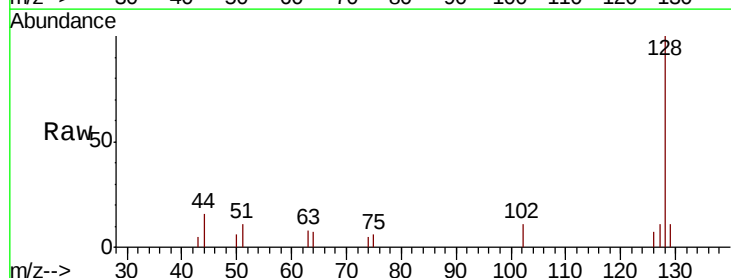
RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

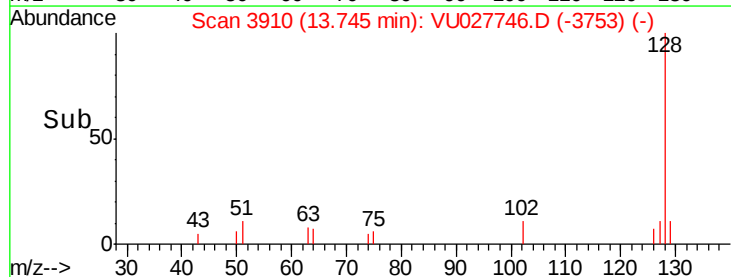
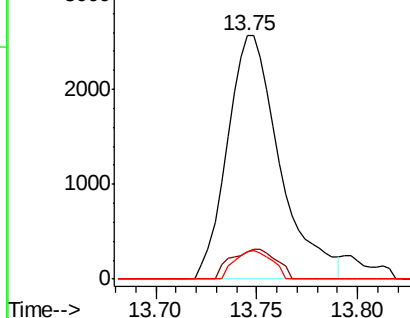
Lab File: VU027746.D

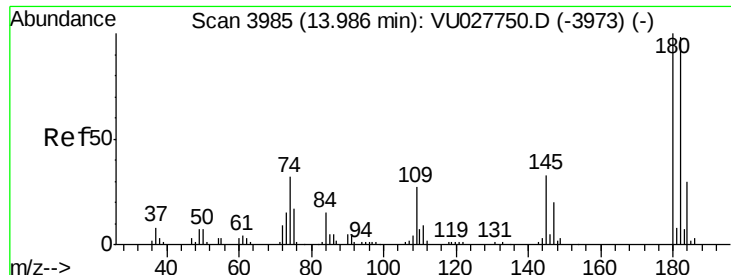
Acq: 22 Oct 2018 17:32

Tgt Ion:	128	Resp:	4653
Ion Ratio	Lower	Upper	
128	100		
127	10.7	10.7	16.1
129	8.4	8.5	12.7#



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





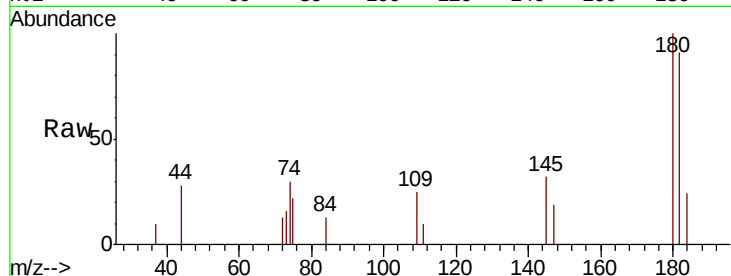
#90
 1,2,3-Trichlorobenzene
 Concen: 0.455 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	77.0	115.6
145	31.2	25.4	38.2

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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

