

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026970.D
 Acq On : 21 Sep 2018 16:01
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:06 PM

Quant Time: Sep 22 01:14:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	89701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	150489	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	149077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	87560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	177843	122.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	245.18%	
35) Dibromofluoromethane	4.88	113	129729	103.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.66%	
50) Toluene-d8	7.57	98	508920	109.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.36%	
62) 4-Bromofluorobenzene	10.31	95	189060	113.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	114750	114.726	ug/l	100
3) Chloromethane	1.33	50	189537	130.449	ug/l	100
4) Vinyl Chloride	1.40	62	183905	124.841	ug/l	99
5) Bromomethane	1.61	94	111315	123.176	ug/l	98
6) Chloroethane	1.68	64	116701	123.987	ug/l	99
7) Trichlorofluoromethane	1.88	101	208313	111.029	ug/l	99
8) Diethyl Ether	2.10	74	102791	122.164	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	125889	112.492	ug/l	99
10) Methyl Iodide	2.41	142	169706	173.738	ug/l	99
11) Tert butyl alcohol	2.84	59	208815	597.735	ug/l	99
12) 1,1-Dichloroethene	2.28	96	122230	115.213	ug/l	99
13) Acrolein	2.20	56	119700	526.650	ug/l	100
14) Allyl chloride	2.59	41	259727m	131.355	ug/l	
15) Acrylonitrile	2.94	53	533690	697.872	ug/l	99
16) Acetone	2.32	43	485440	595.240	ug/l	99
17) Carbon Disulfide	2.48	76	395523	116.400	ug/l	99
18) Methyl Acetate	2.62	43	256990	141.969	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	474584	127.488	ug/l	99
20) Methylene Chloride	2.70	84	151417	116.674	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	135323	120.158	ug/l	96
22) Diisopropyl ether	3.58	45	572923	138.366	ug/l	97
23) Vinyl Acetate	3.53	43	2497645	710.564	ug/l	100
24) 1,1-Dichloroethane	3.45	63	296557	128.607	ug/l	100
25) 2-Butanone	4.26	43	767473	689.649	ug/l	100
26) 2,2-Dichloropropane	4.23	77	228865	122.197	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	154796	120.038	ug/l	100
28) Bromochloromethane	4.55	49	152258	137.062	ug/l	99
29) Tetrahydrofuran	4.64	42	488147	720.564	ug/l	100
30) Chloroform	4.68	83	267295	119.214	ug/l	100
31) Cyclohexane	5.00	56	271839	114.317	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	220938	119.995	ug/l	99
36) 1,1-Dichloropropene	5.14	75	206360	118.752	ug/l	100
37) Ethyl Acetate	4.38	43	285728	133.137	ug/l	99
38) Carbon Tetrachloride	5.14	117	190319	105.282	ug/l	96

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	249443	121.872	ug/l	97
40) Benzene	5.39	78	619322	115.227	ug/l	100
41) Methacrylonitrile	4.54	41	156265	139.723	ug/l	98
42) 1,2-Dichloroethane	5.40	62	231344	118.736	ug/l	100
43) Isopropyl Acetate	5.55	43	428356	132.117	ug/l	99
44) Trichloroethene	6.19	130	135942	104.616	ug/l	99
45) 1,2-Dichloropropane	6.43	63	177977	120.692	ug/l	96
46) Dibromomethane	6.56	93	106295	113.584	ug/l	99
47) Bromodichloromethane	6.76	83	214310	115.628	ug/l	99
48) Methyl methacrylate	6.62	41	222353	138.403	ug/l	99
49) 1,4-Dioxane	6.61	88	87244	2416.681	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	1469832	672.066	ug/l	99
52) Toluene	7.64	92	374940	116.753	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	255366	123.562	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	273512	122.752	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	151931	111.226	ug/l	98
56) Ethyl methacrylate	8.02	69	265128	131.726	ug/l	99
57) 1,3-Dichloropropane	8.24	76	288364	121.669	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	752213	729.164	ug/l	100
59) 2-Hexanone	8.37	43	1143158	667.864	ug/l	99
60) Dibromochloromethane	8.48	129	153247	105.792	ug/l	99
61) 1,2-Dibromoethane	8.59	107	159942	108.361	ug/l	100
64) Tetrachloroethene	8.23	164	113023	96.438	ug/l	97
65) Chlorobenzene	9.12	112	393431	106.082	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	139708	102.817	ug/l	99
67) Ethyl Benzene	9.25	91	720829	116.824	ug/l	100
68) m/p-Xylenes	9.38	106	541627	232.139	ug/l	100
69) o-Xylene	9.78	106	263394	116.392	ug/l	100
70) Styrene	9.79	104	442514	119.300	ug/l	100
71) Bromoform	9.96	173	113994	98.556	ug/l #	98
73) Isopropylbenzene	10.17	105	709445	116.063	ug/l	100
74) N-amyl acetate	10.02	43	413444	138.698	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	277846	110.276	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	251542m	122.701	ug/l	
77) Bromobenzene	10.45	156	160985	98.891	ug/l	97
78) n-propylbenzene	10.59	91	872680	122.040	ug/l	100
79) 2-Chlorotoluene	10.66	91	505371	114.218	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	601070	117.207	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	88837m	126.645	ug/l	
82) 4-Chlorotoluene	10.77	91	591209	118.973	ug/l	100
83) tert-Butylbenzene	11.10	119	577312	111.953	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	619271	119.487	ug/l	100
85) sec-Butylbenzene	11.32	105	739542	119.846	ug/l	100
86) p-Isopropyltoluene	11.48	119	636220	118.928	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	307076	101.051	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	310666	98.243	ug/l	99
89) n-Butylbenzene	11.89	91	623754	131.896	ug/l	100
90) Hexachloroethane	12.15	117	118093	109.335	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	306534	100.372	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	63823	126.370	ug/l	98

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ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Sep 22 01:14:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 00:44:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	213085	106.721	ug/l	100
94) Hexachlorobutadiene	13.69	225	102562	99.900	ug/l	99
95) Naphthalene	13.74	128	754604	122.161	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	217183	103.632	ug/l	99

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

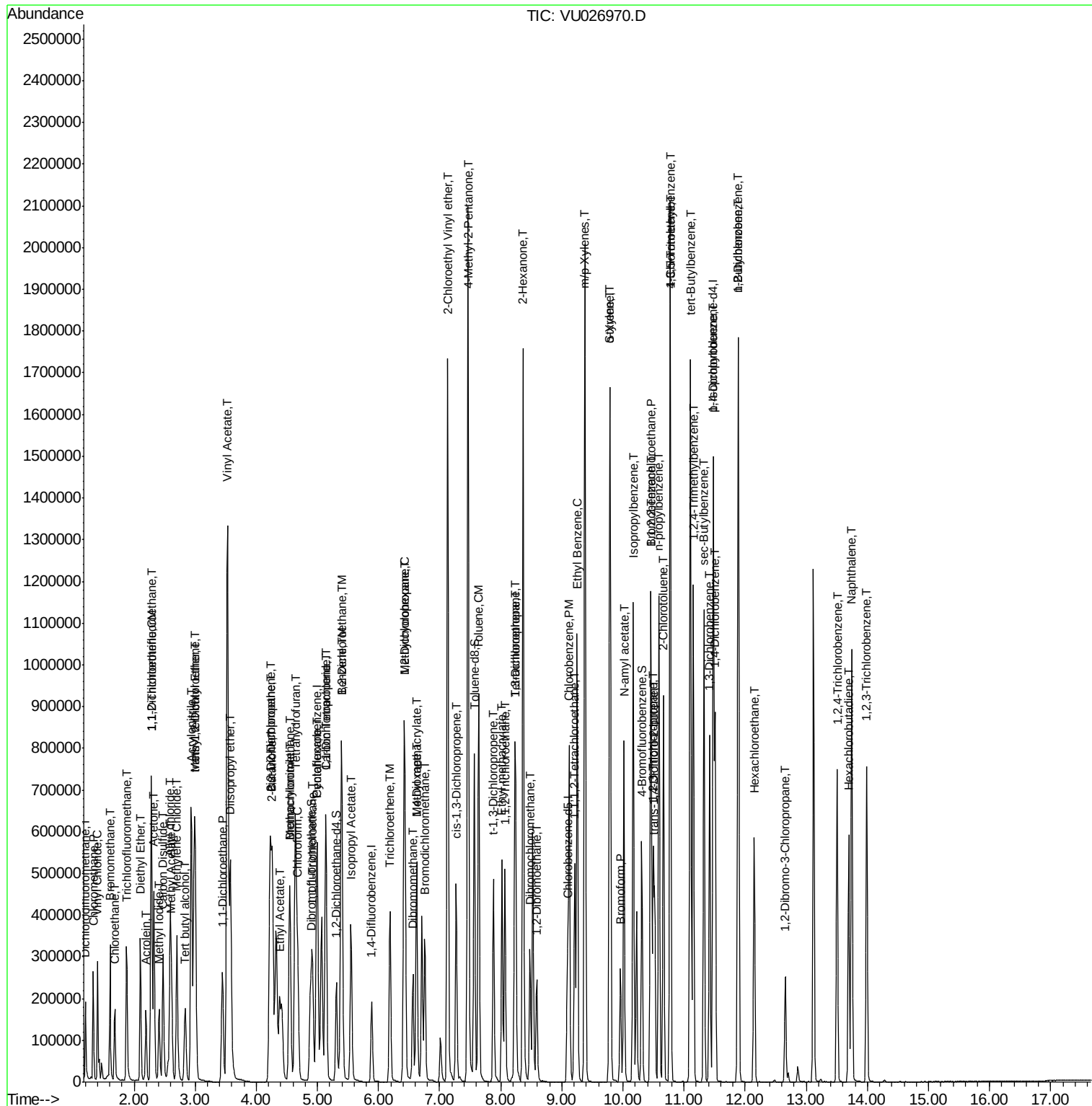
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026970.D
 Acq On : 21 Sep 2018 16:01
 Operator : MD/SY
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

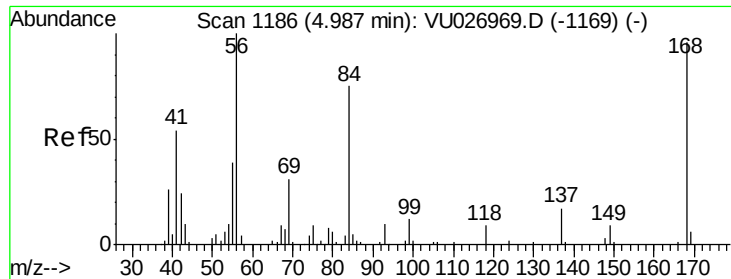
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC100

Manual Integrations
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 9/24/2018 2:14:06 PM

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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 89701

Ion Ratio Lower Upper

168 100

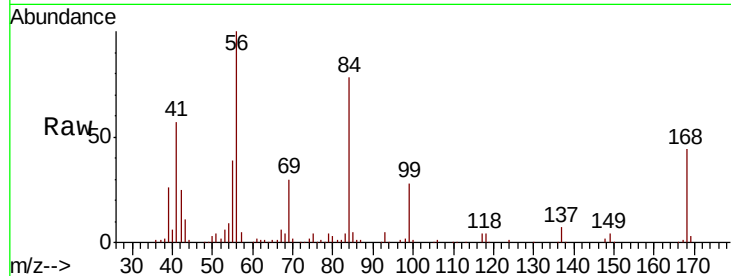
99 62.6 48.1 72.1

Manual Integrations

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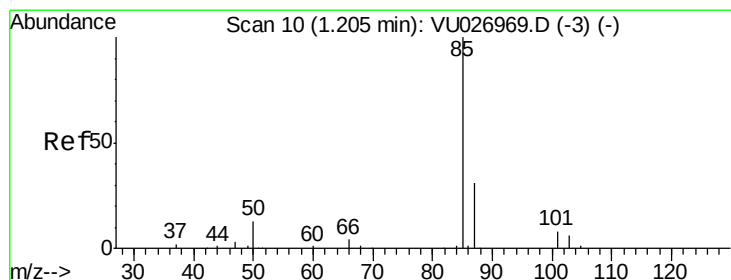
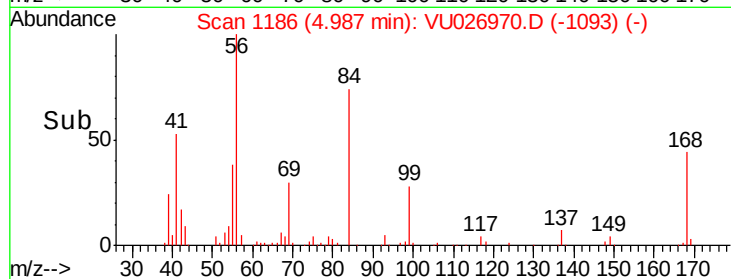
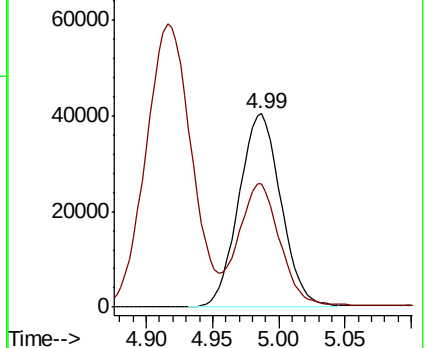
MMDadoda

9/24/2018 2:14:06 PM



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)



#2

Dichlorodifluoromethane

Concen: 114.726 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026970.D

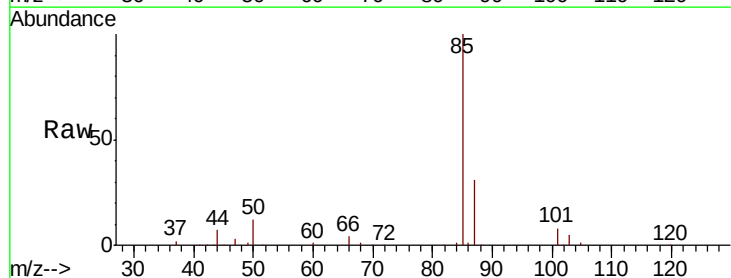
Acq: 21 Sep 2018 16:01

Tgt Ion: 85 Resp: 114750

Ion Ratio Lower Upper

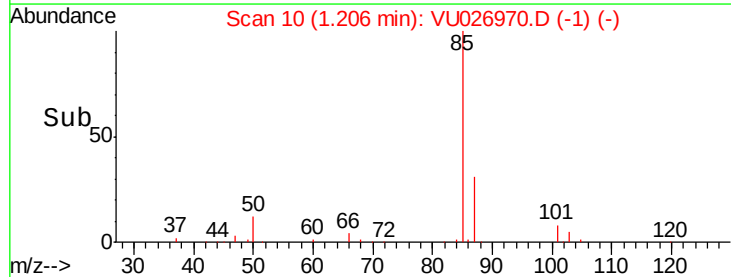
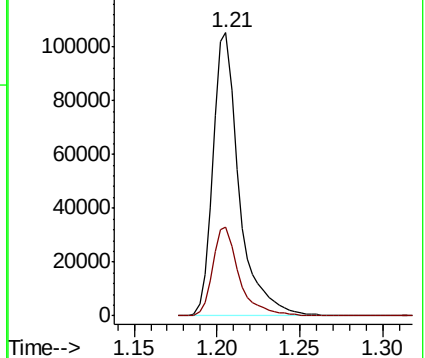
85 100

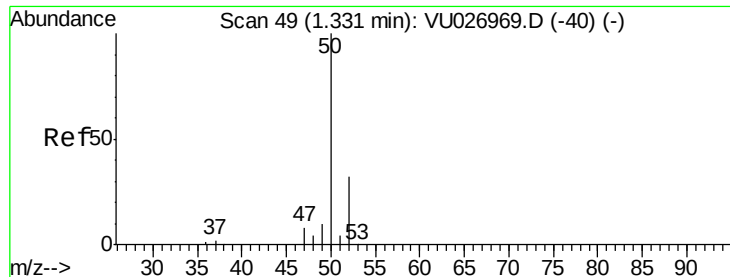
87 31.2 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)





#3

Chloromethane

Concen: 130.449 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 189537

Ion Ratio Lower Upper

50 100

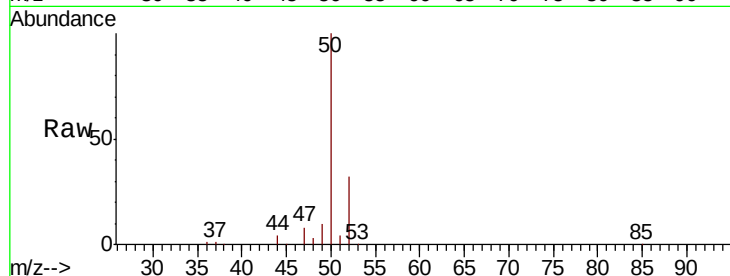
52 32.4 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU026970.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU026970.D (-1) (-)

1.33

150000

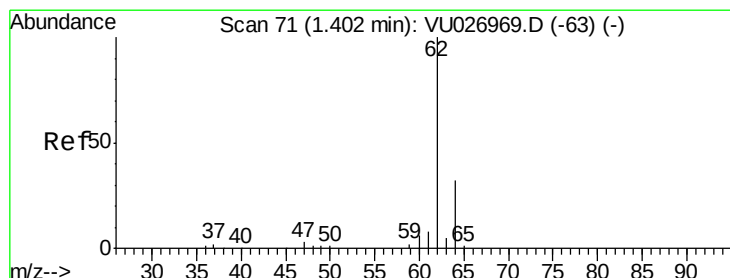
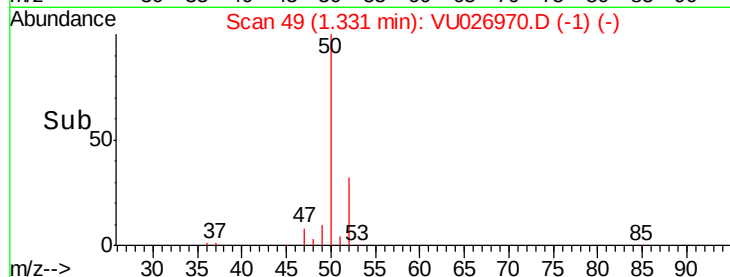
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 124.841 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026970.D

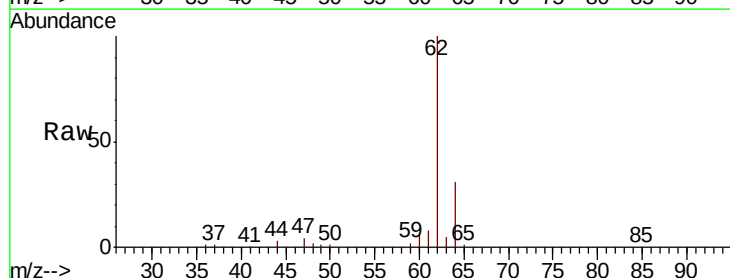
Acq: 21 Sep 2018 16:01

Tgt Ion: 62 Resp: 183905

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU026970.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU026970.D (-1) (-)

1.40

200000

150000

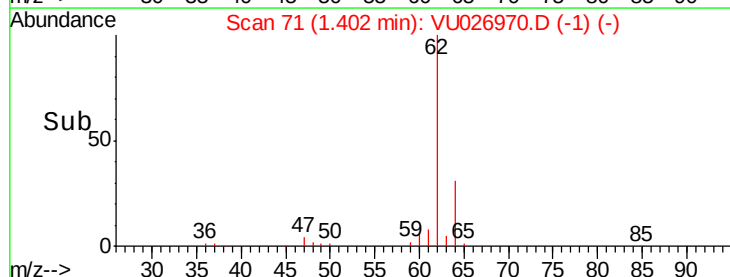
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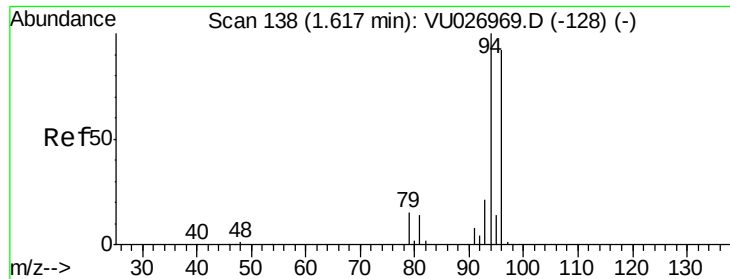
50000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 123.176 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 111315

Ion Ratio Lower Upper

94 100

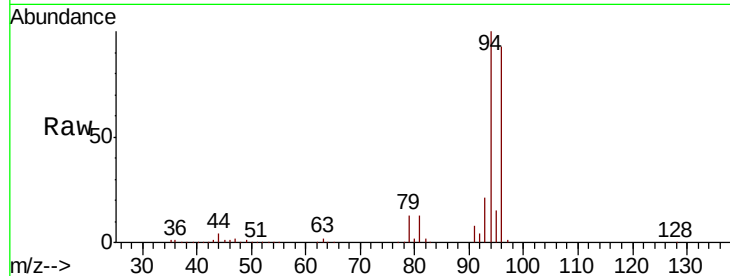
96 93.4 73.2 109.8

Manual Integrations

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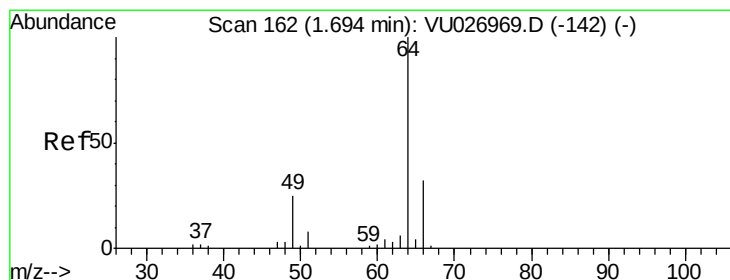
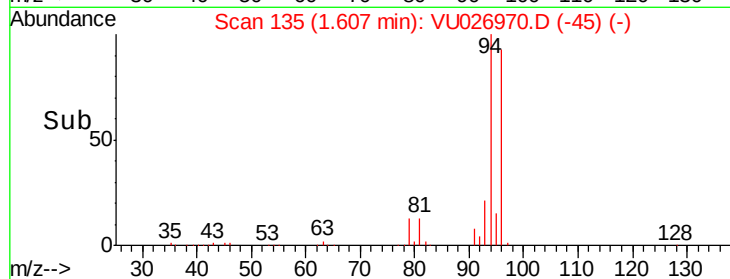
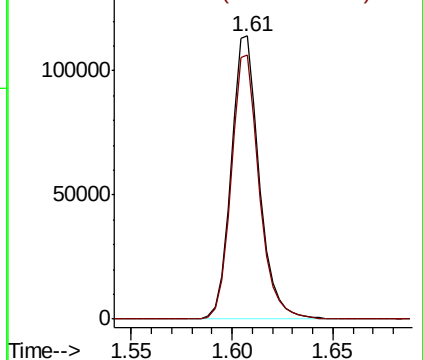
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 123.987 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU026970.D

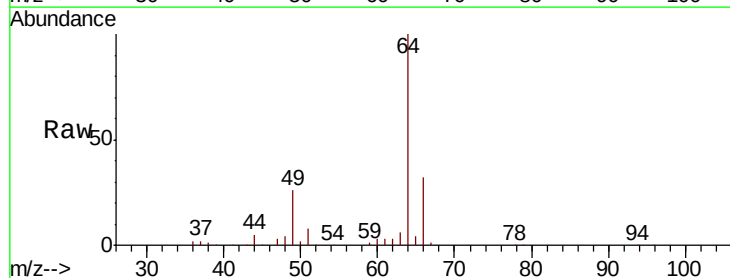
Acq: 21 Sep 2018 16:01

Tgt Ion: 64 Resp: 116701

Ion Ratio Lower Upper

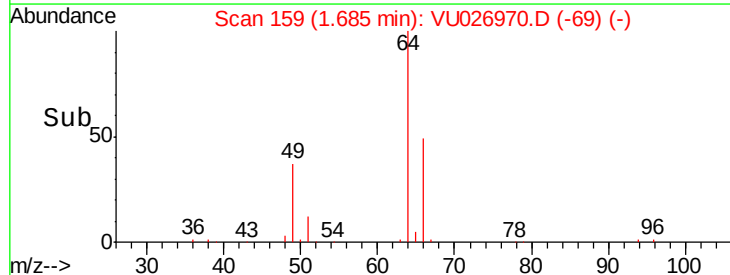
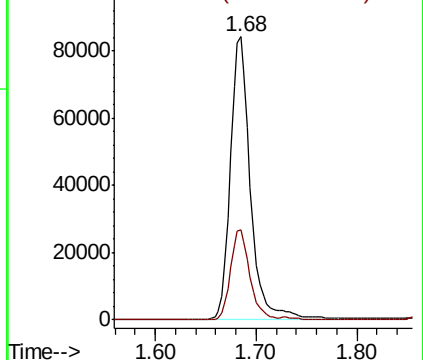
64 100

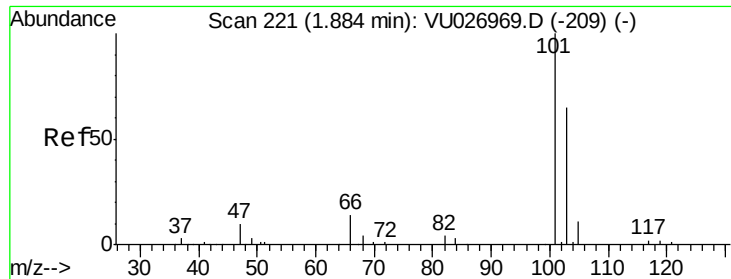
66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

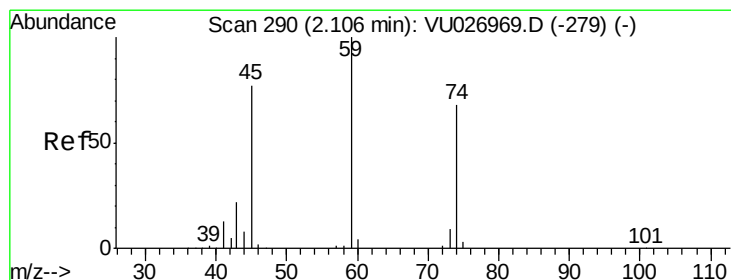
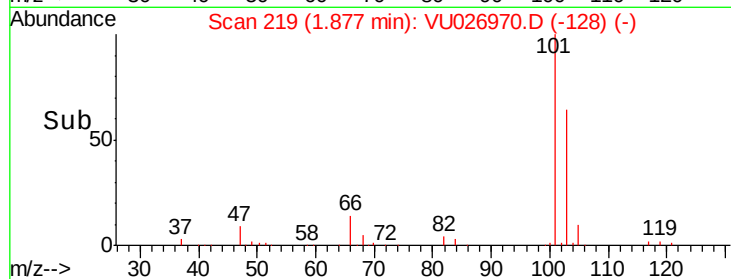
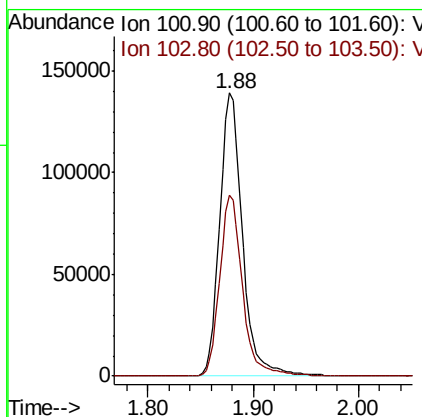
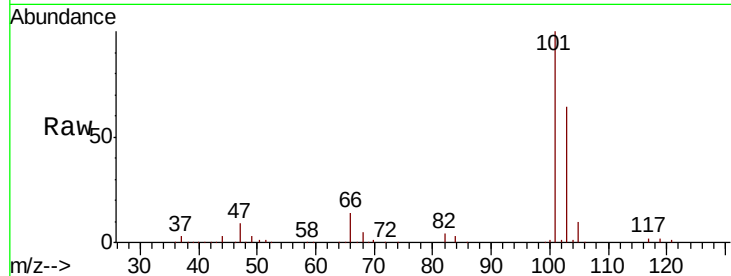
Trichlorofluoromethane
Concen: 111.029 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2

Manual Integrations
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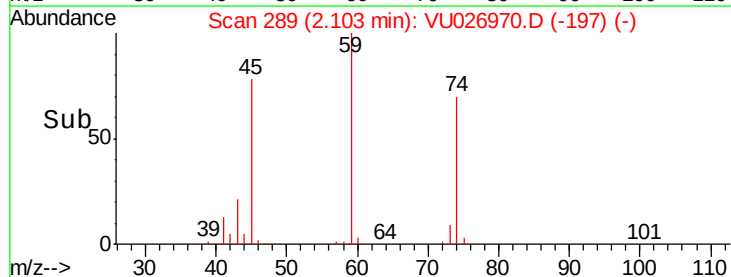
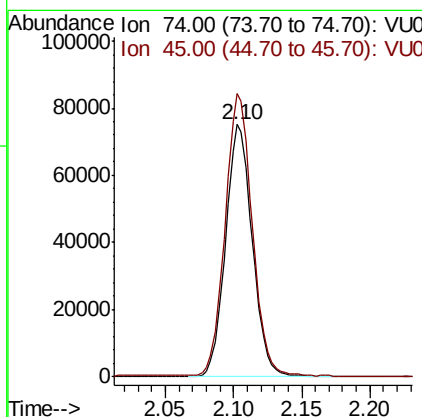
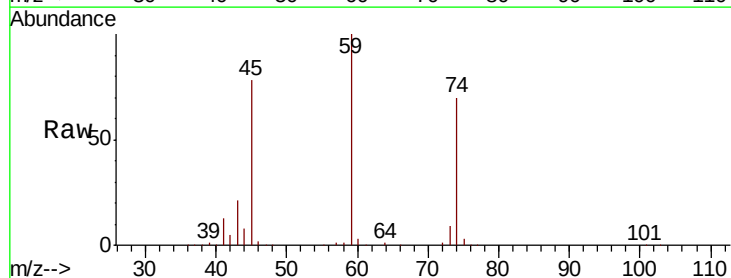
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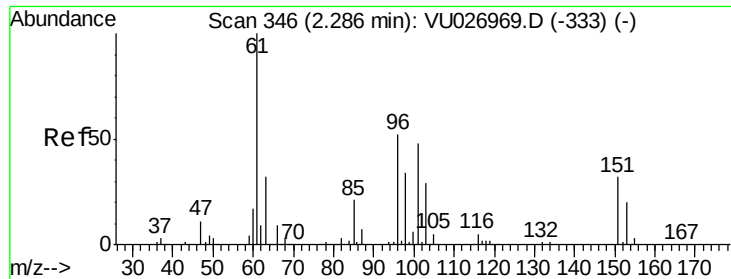


#8

Diethyl Ether
Concen: 122.164 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.2	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 112.492 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

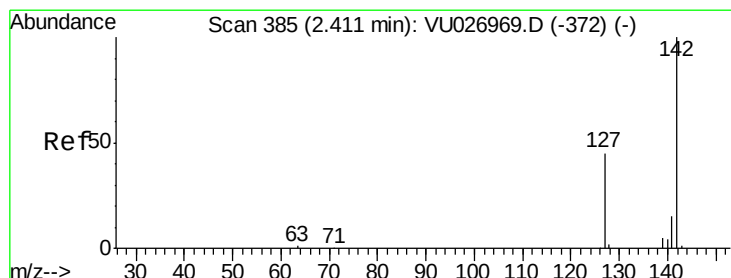
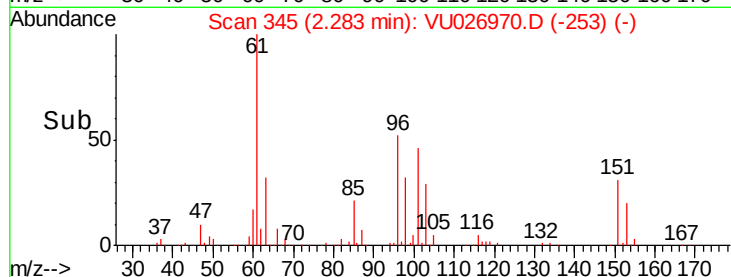
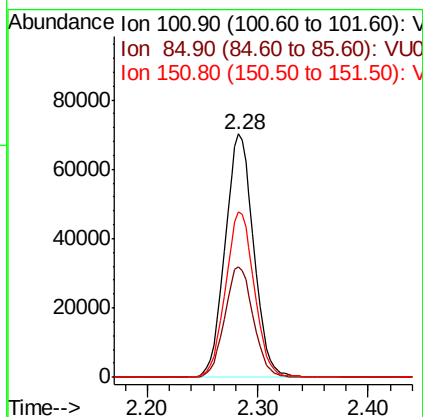
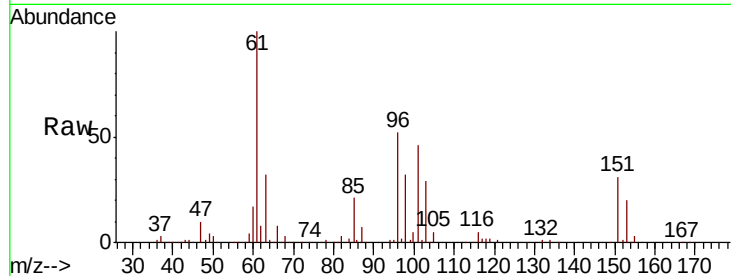
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	125889
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.2	54.2
151	68.6	54.5	81.7

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 173.738 ug/l

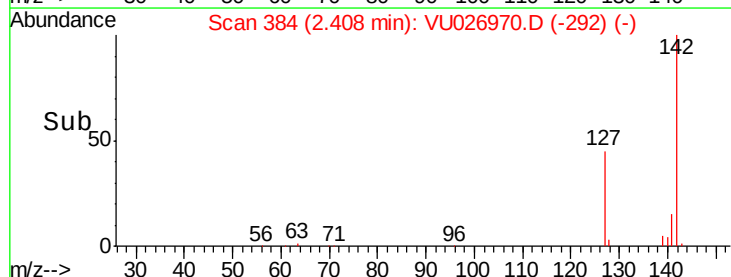
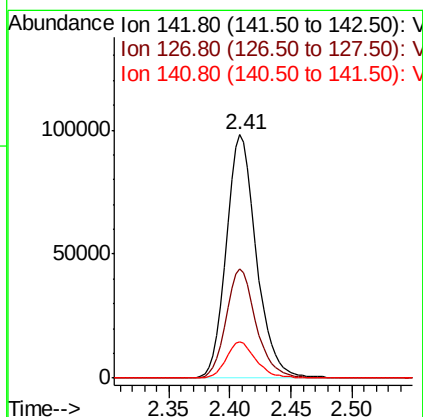
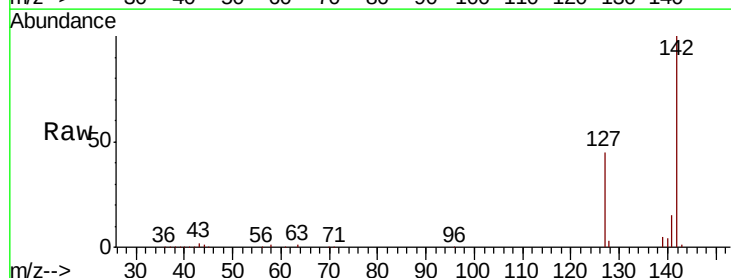
RT: 2.41 min Scan# 384

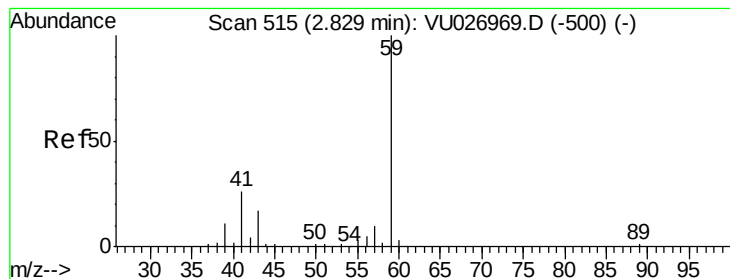
Delta R.T. -0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Tgt Ion:	142	Resp:	169706
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.7	55.1
141	14.7	11.8	17.6





#11

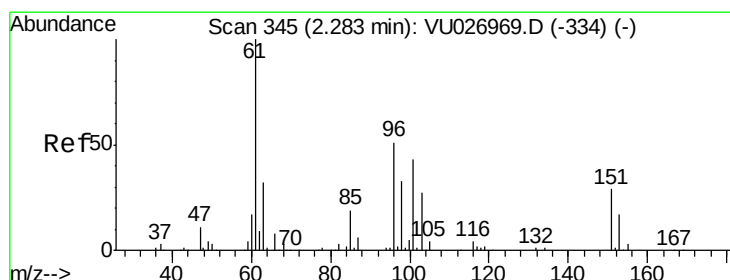
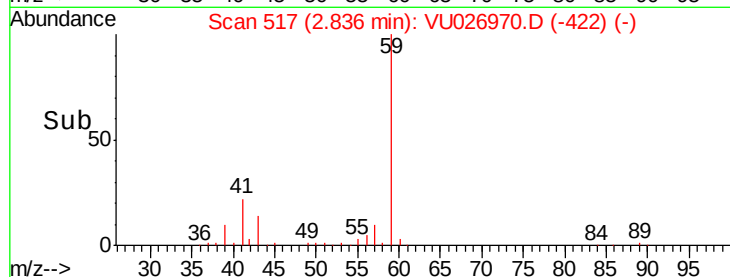
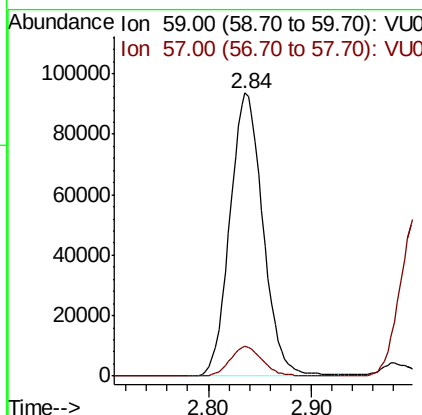
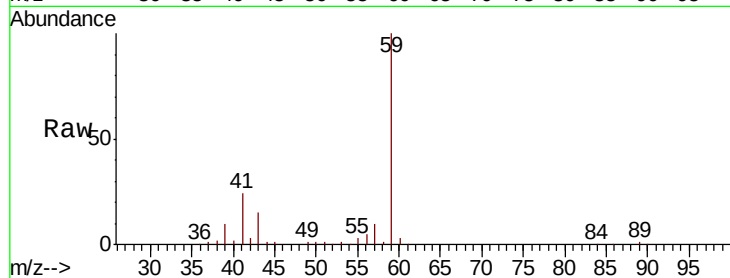
Tert butyl alcohol
 Concen: 597.735 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

Manual Integrations
 APPROVED

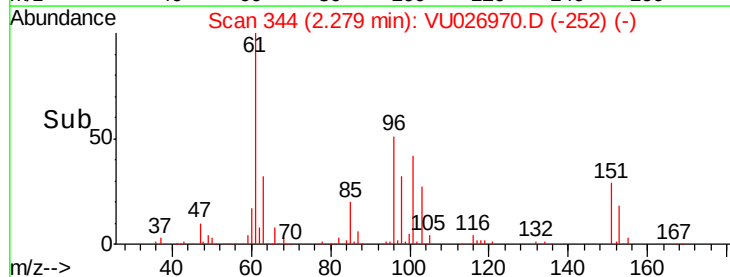
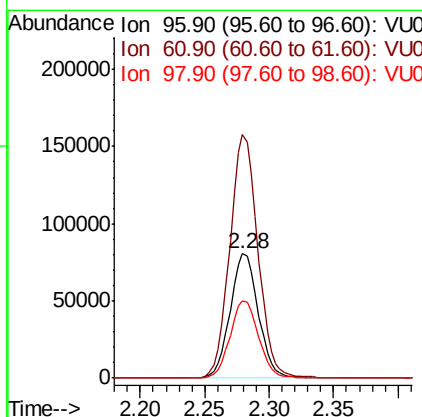
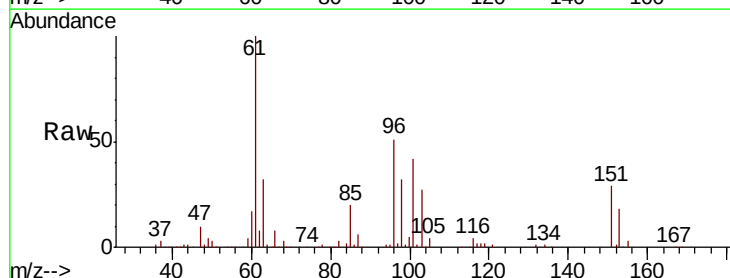
MMDadoda
 9/24/2018 2:14:06 PM

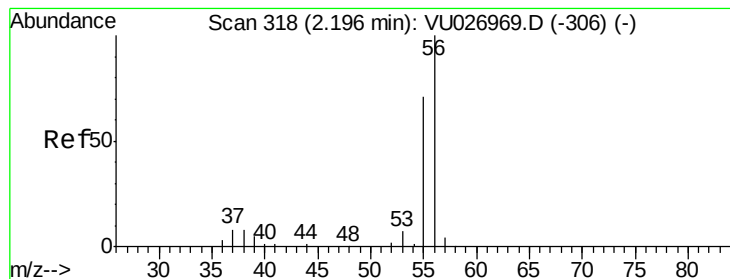


#12

1,1-Dichloroethene
 Concen: 115.213 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.8	156.1	234.1
98	62.4	51.4	77.0





#13

Acrolein

Concen: 526.650 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 119700

Ion Ratio Lower Upper

56 100

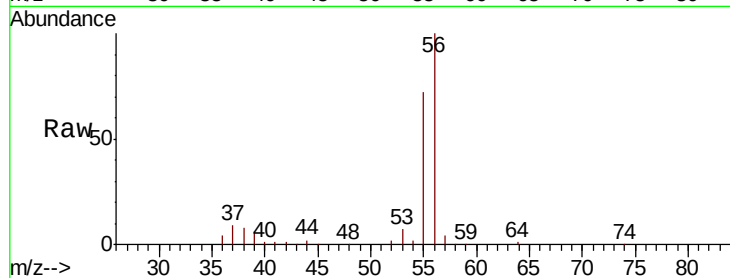
55 71.6 57.1 85.7

Manual Integrations

APPROVED

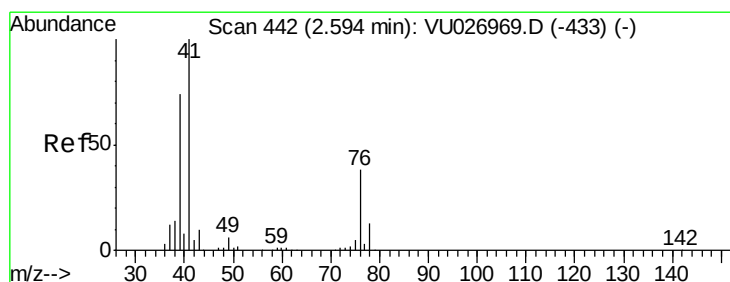
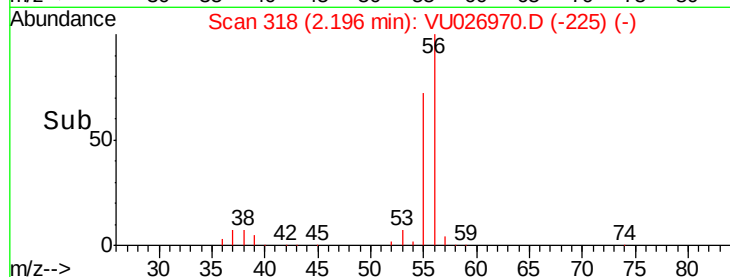
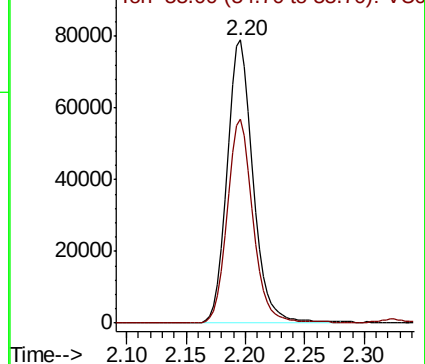
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 131.355 ug/l m

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

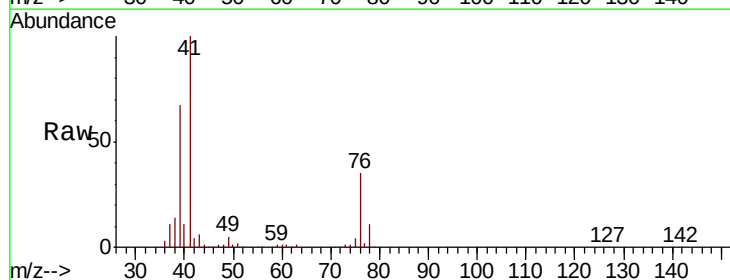
Tgt Ion: 41 Resp: 259727

Ion Ratio Lower Upper

41 100

39 68.7 55.7 83.5

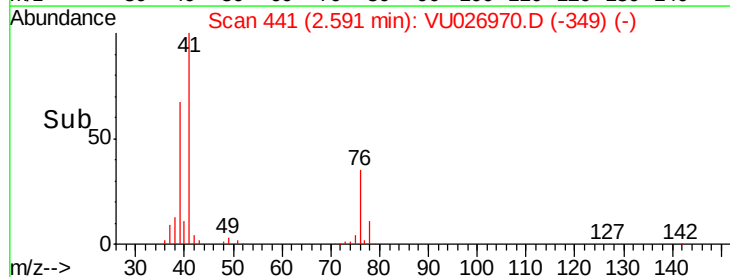
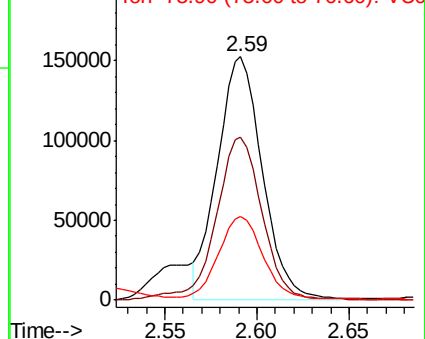
76 33.9 26.5 39.7

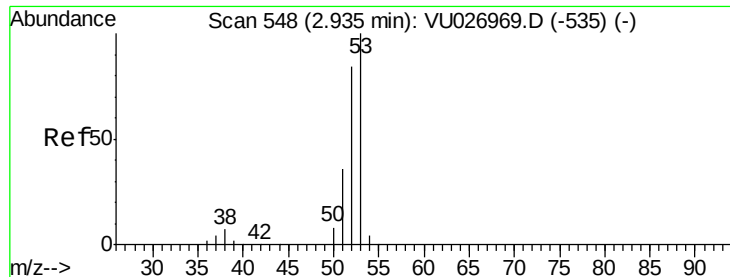


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 697.872 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

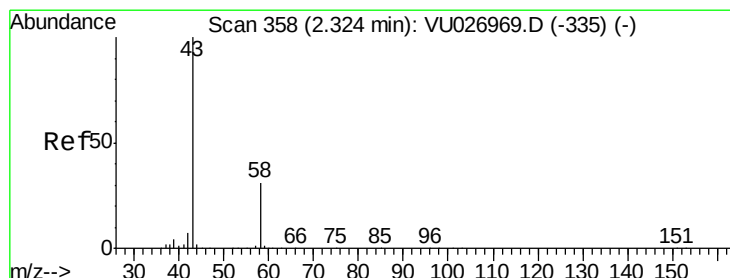
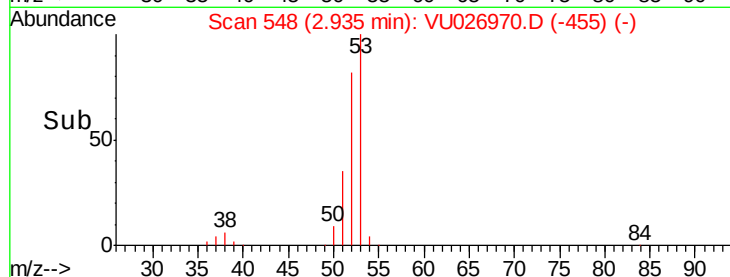
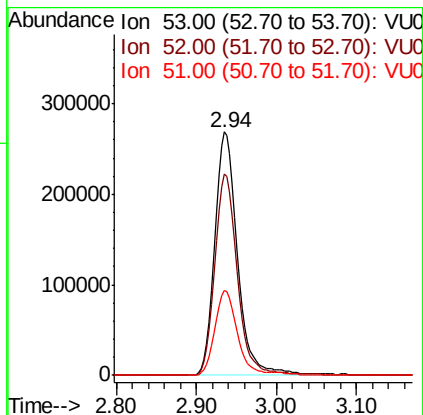
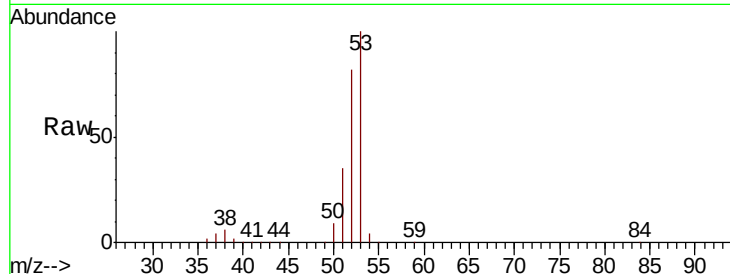
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	533690
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	35.2	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 595.240 ug/l

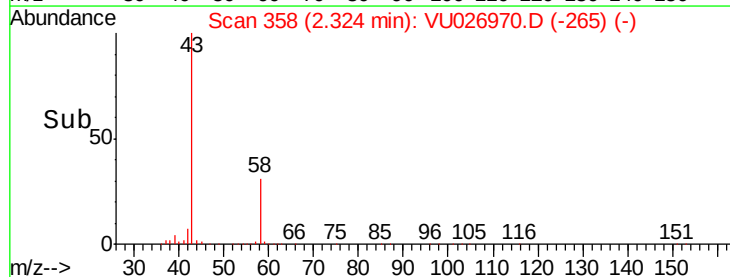
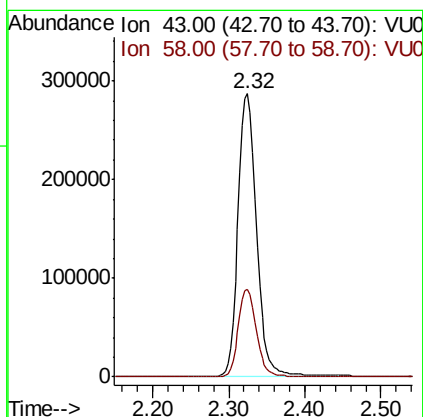
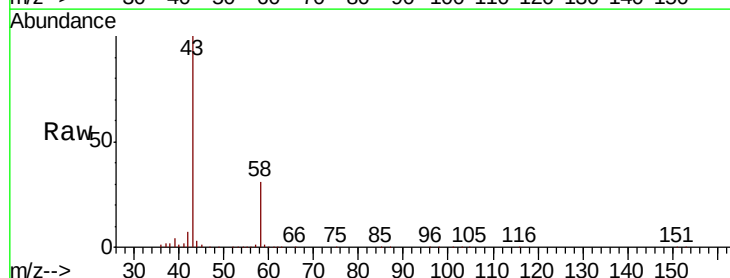
RT: 2.32 min Scan# 358

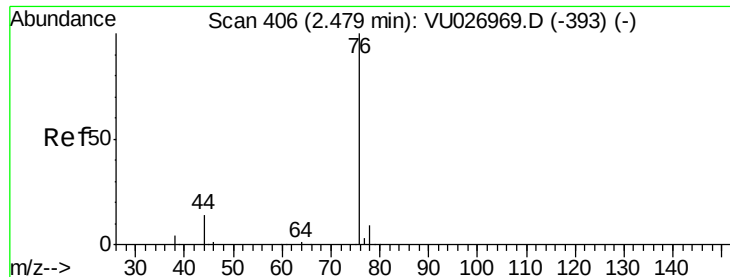
Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Tgt Ion:	43	Resp:	485440
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.6	36.8





#17

Carbon Disulfide

Concen: 116.400 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 395523

Ion Ratio Lower Upper

76 100

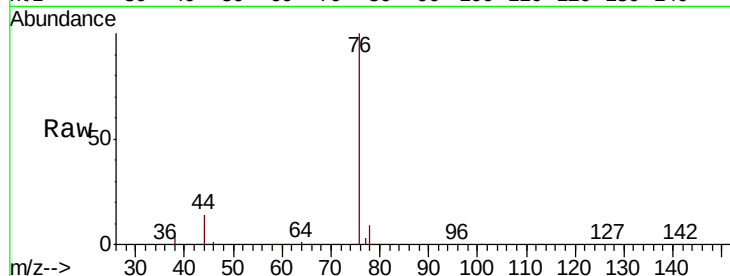
78 9.4 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:14:06 PM



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026970.D (-313) (-)

2.48

250000

200000

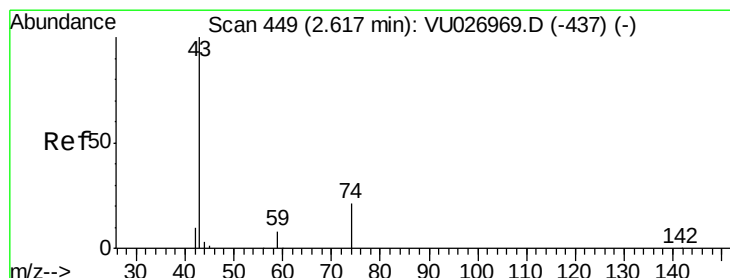
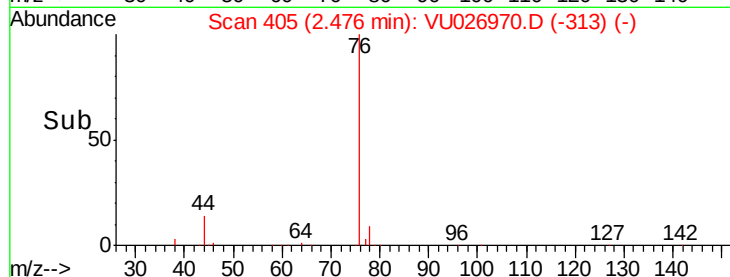
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 141.969 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026970.D

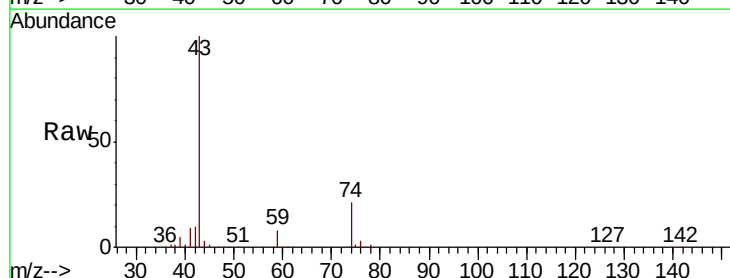
Acq: 21 Sep 2018 16:01

Tgt Ion: 43 Resp: 256990

Ion Ratio Lower Upper

43 100

74 21.0 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-437) (-)

Ion 74.00 (73.70 to 74.70): VU026970.D (-356) (-)

2.62

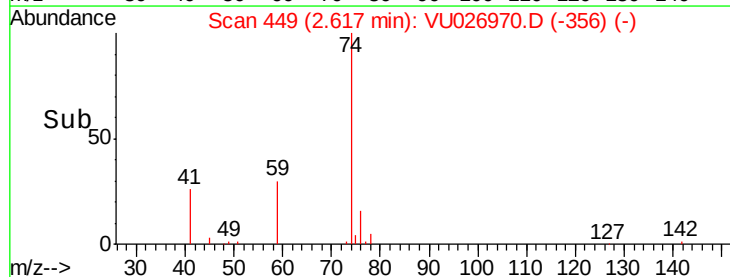
150000

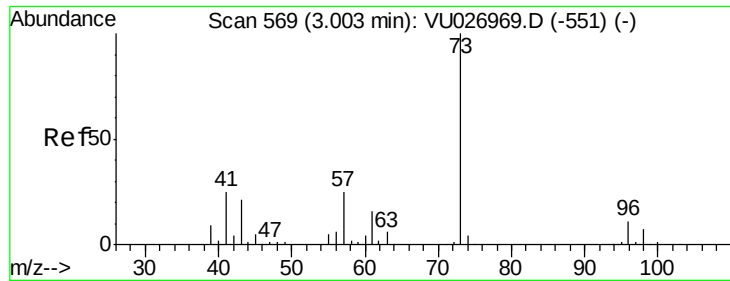
100000

50000

0

Time-->





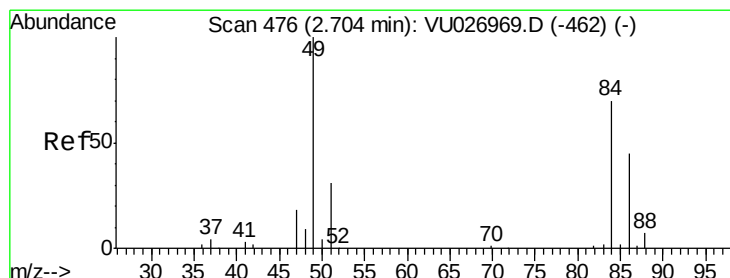
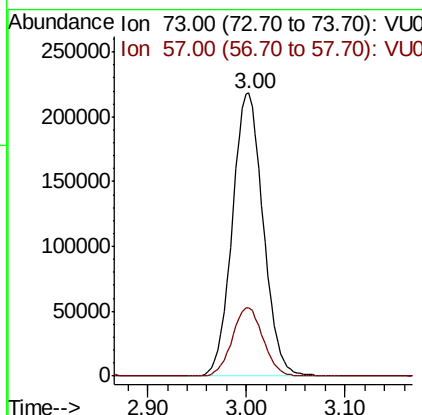
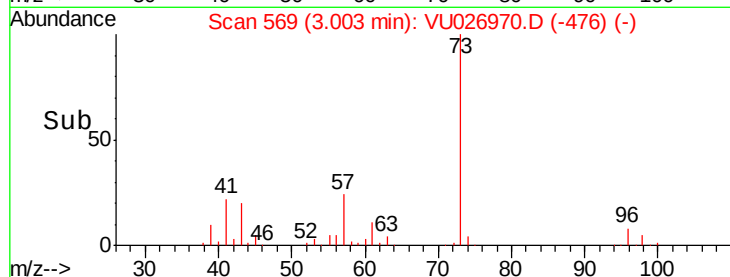
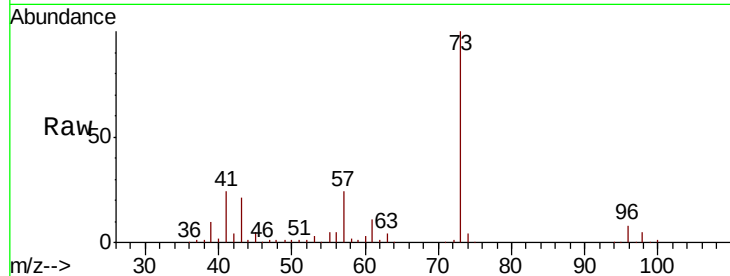
#19
Methyl tert-butyl Ether
Concen: 127.488 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.8	29.6

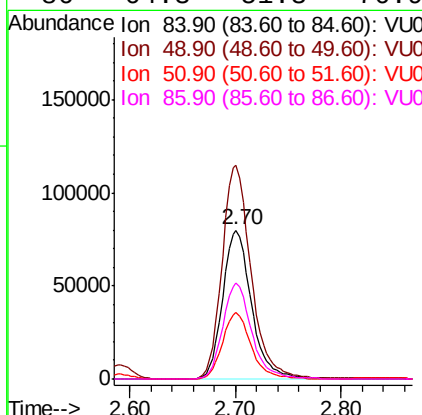
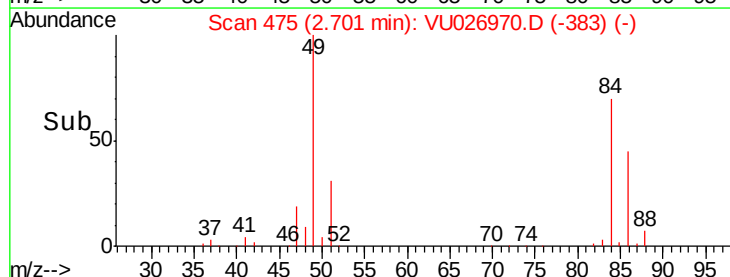
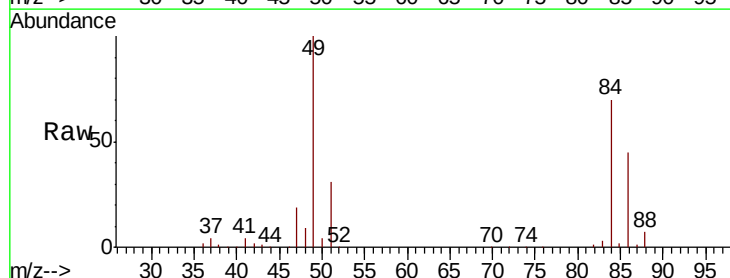
Manual Integrations
APPROVED

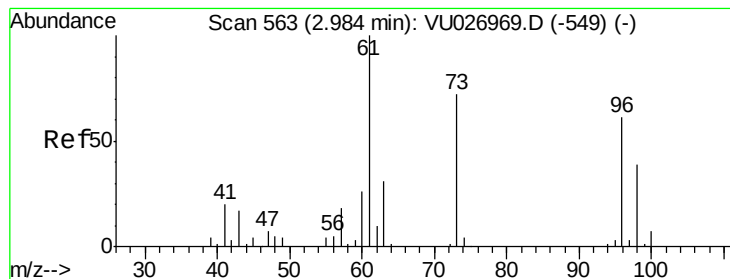
MMDadoda
9/24/2018 2:14:06 PM



#20
Methylene Chloride
Concen: 116.674 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.6	114.9	172.3
51	44.7	35.8	53.8
86	64.3	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 120.158 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 135323

Ion Ratio Lower Upper

96 100

61 159.8 131.8 197.6

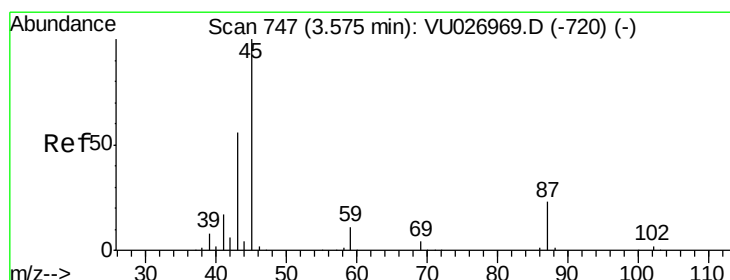
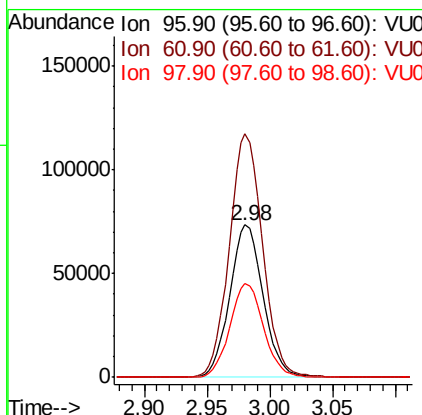
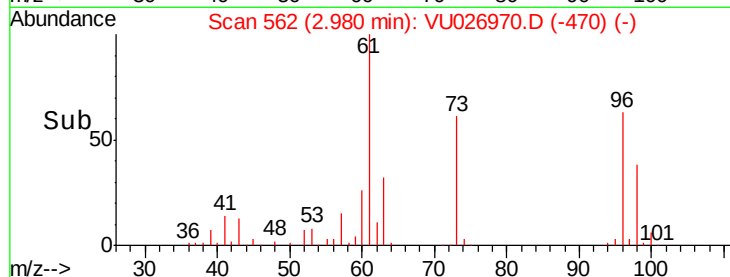
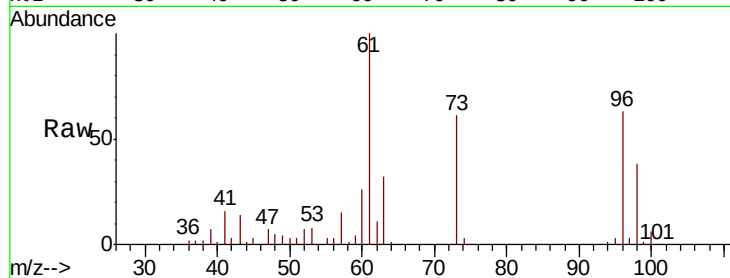
98 61.2 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:14:06 PM



#22

Diisopropyl ether

Concen: 138.366 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Tgt Ion: 45 Resp: 572923

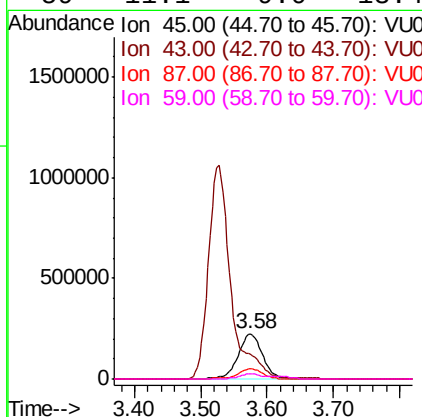
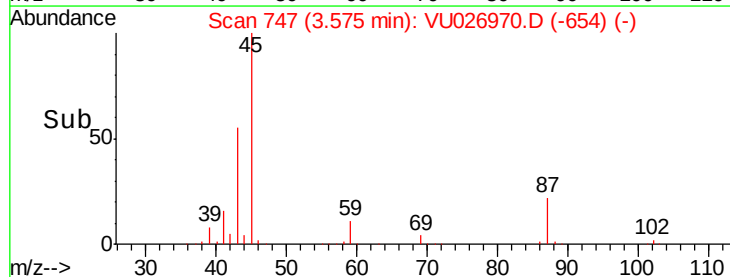
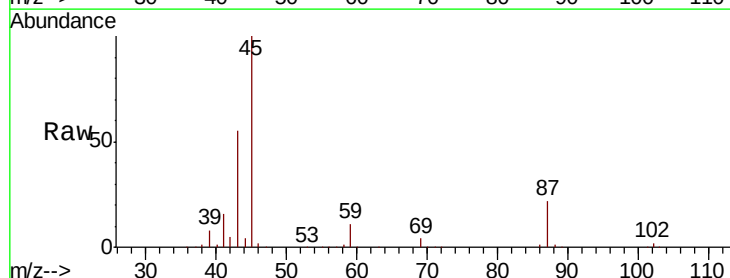
Ion Ratio Lower Upper

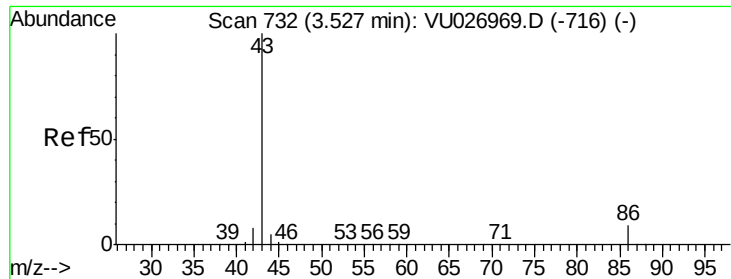
45 100

43 54.1 45.8 68.6

87 22.3 18.6 28.0

59 11.1 9.0 13.4





#23

Vinyl Acetate

Concen: 710.564 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2497645

Ion Ratio Lower Upper

43 100

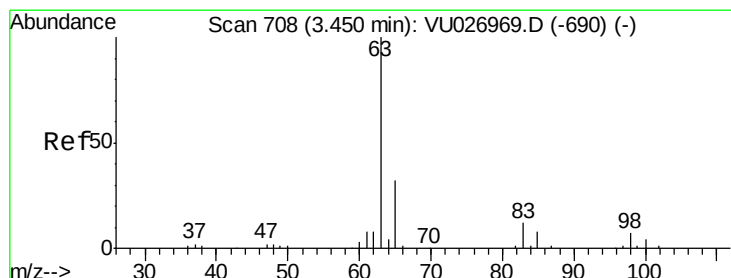
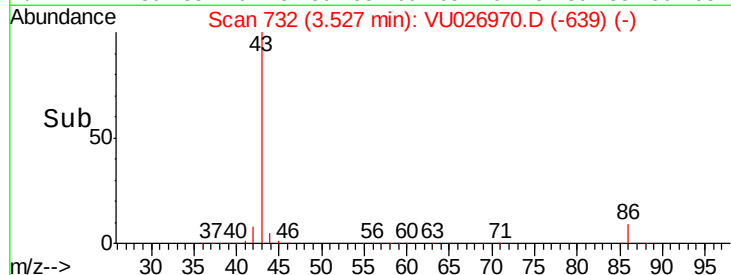
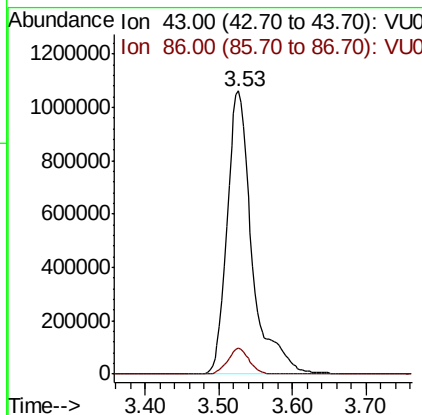
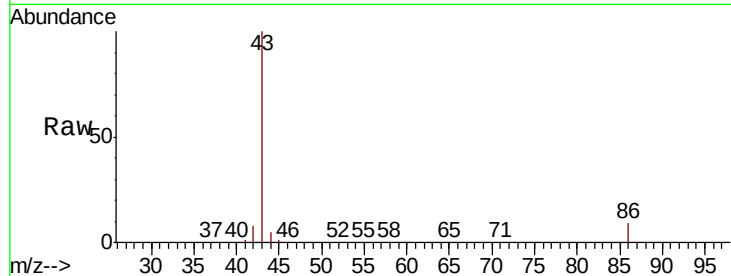
86 9.0 7.2 10.8

Manual Integrations

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MMDadoda

9/24/2018 2:14:06 PM



#24

1,1-Dichloroethane

Concen: 128.607 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

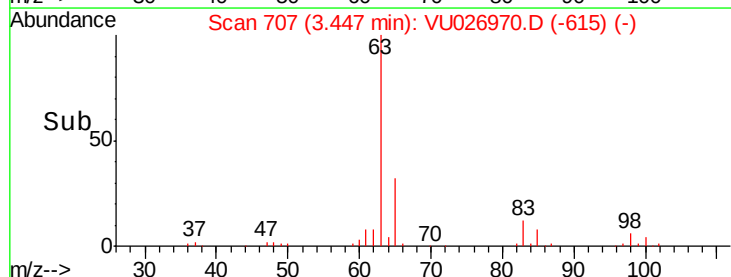
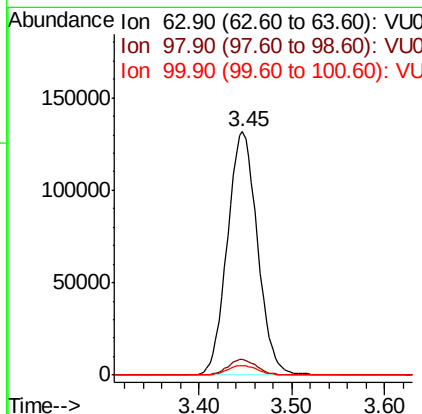
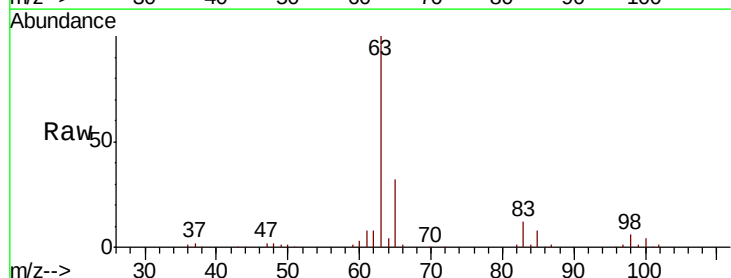
Tgt Ion: 63 Resp: 296557

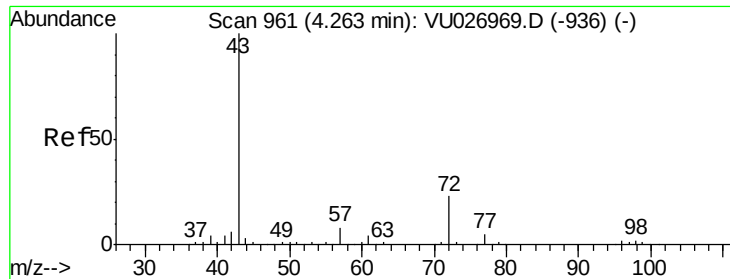
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 689.649 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 767473

Ion Ratio Lower Upper

43 100

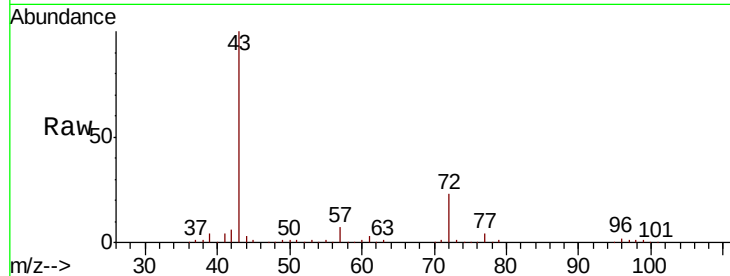
72 23.2 18.4 27.6

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:14:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

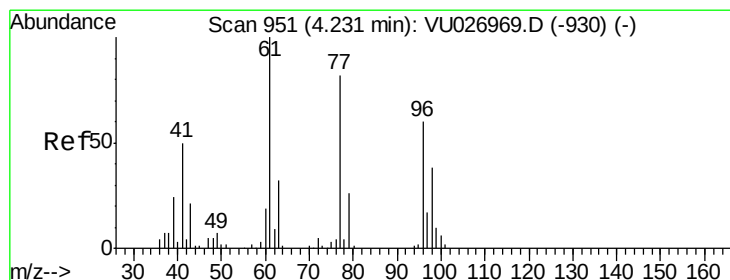
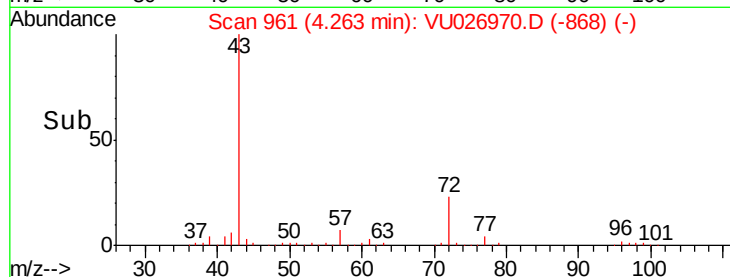
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 122.197 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026970.D

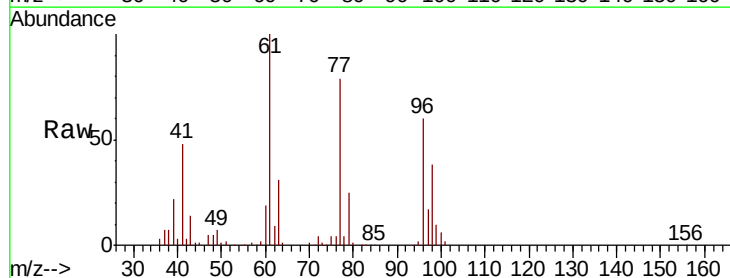
Acq: 21 Sep 2018 16:01

Tgt Ion: 77 Resp: 228865

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

100000

80000

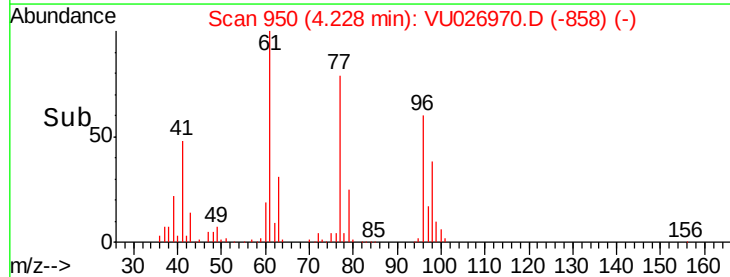
60000

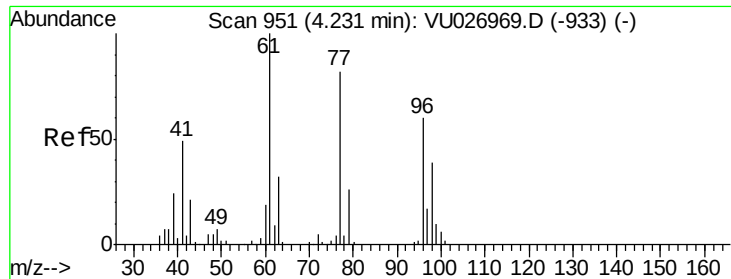
40000

20000

0

Time-->





#27

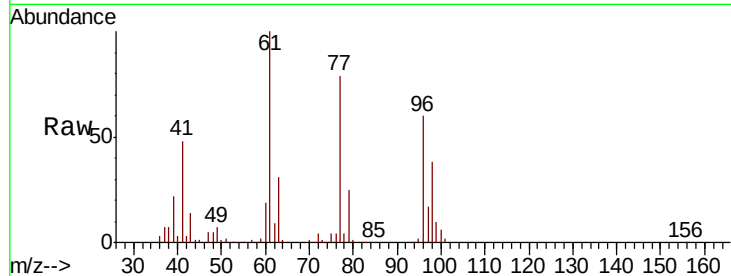
cis-1,2-Dichloroethene
 Concen: 120.038 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

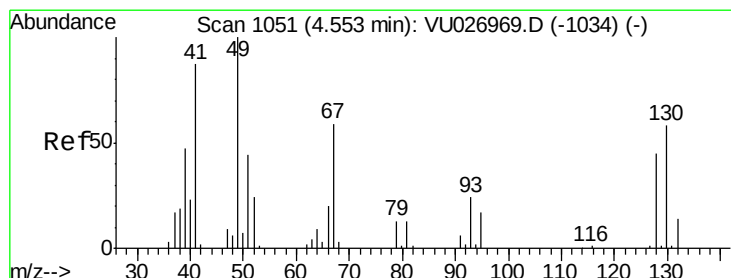
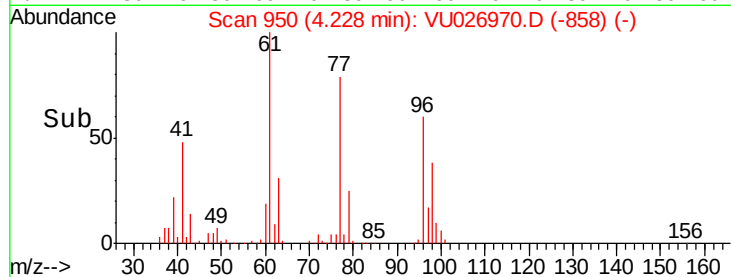
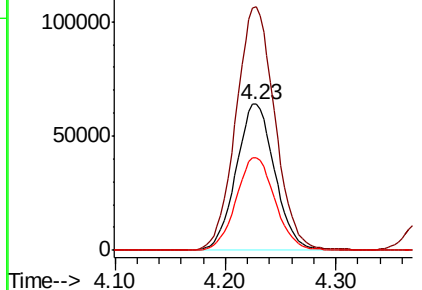
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	169.1	0.0	337.2	
98	64.0	0.0	127.6	

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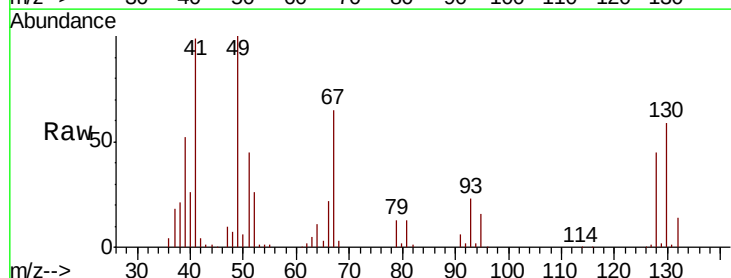
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



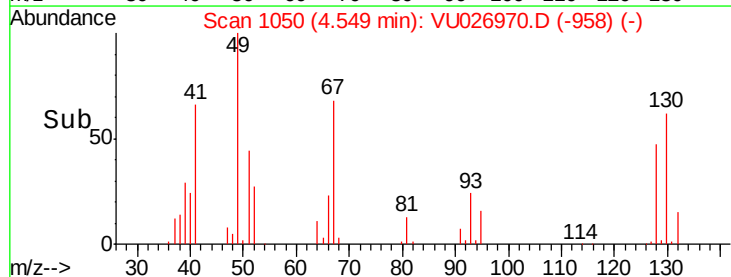
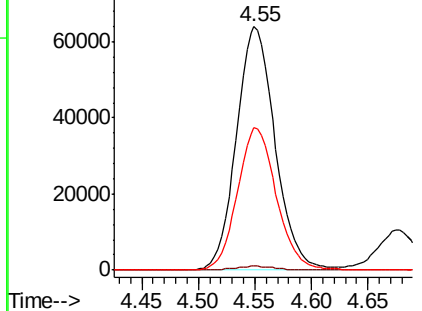
#28

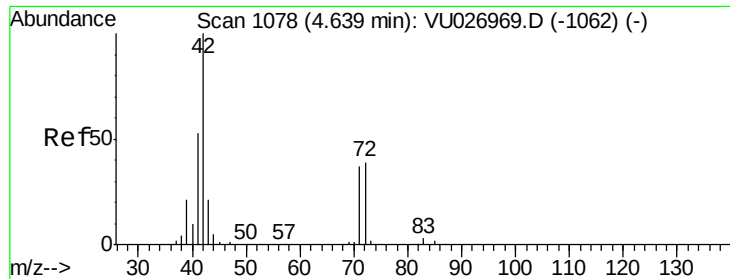
Bromochloromethane
 Concen: 137.062 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.0	
130	59.0	47.8	71.8	



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





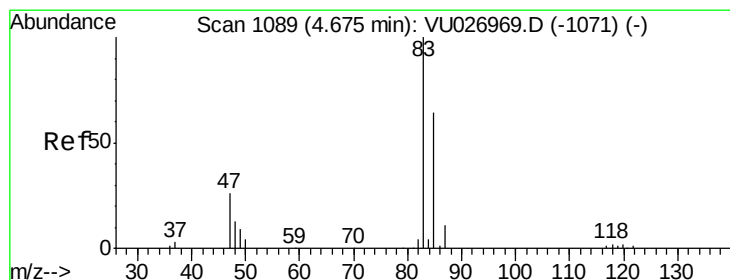
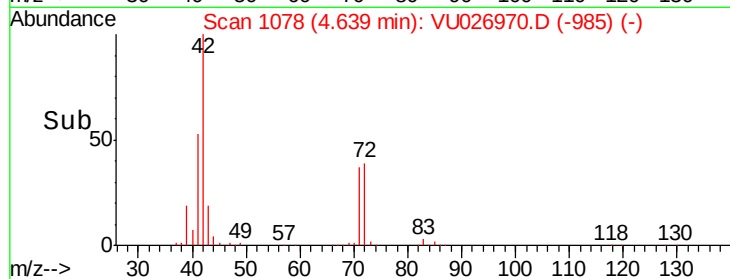
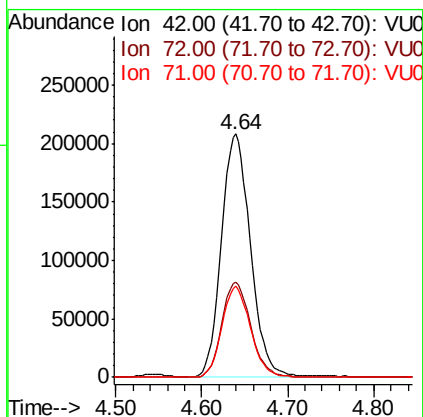
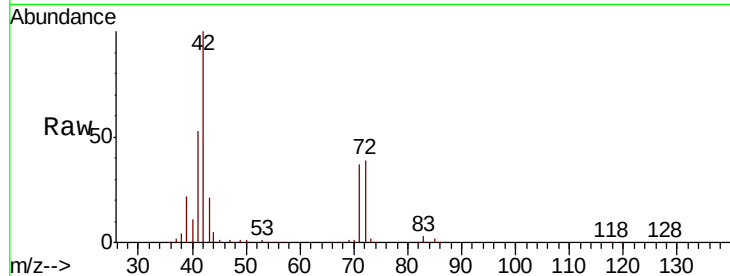
#29
Tetrahydrofuran
Concen: 720.564 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.7	47.5
71	36.9	29.6	44.4

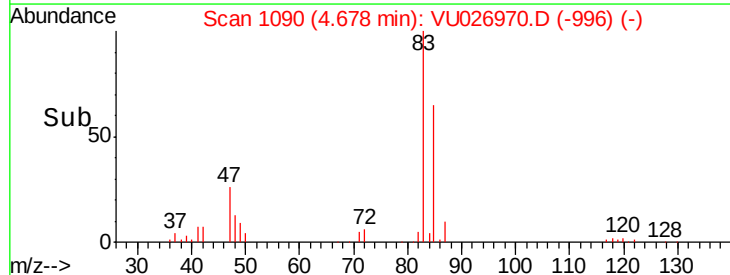
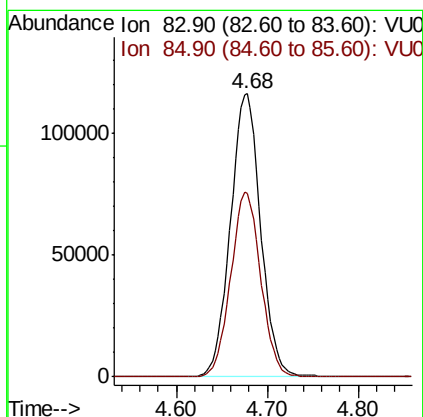
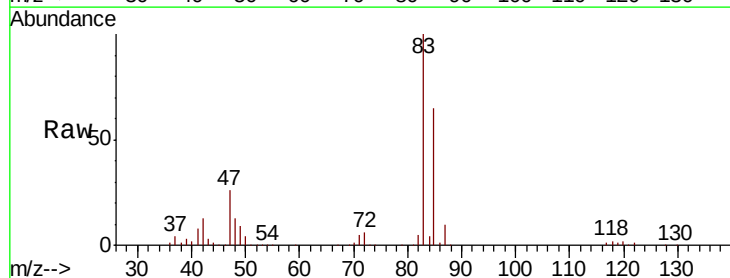
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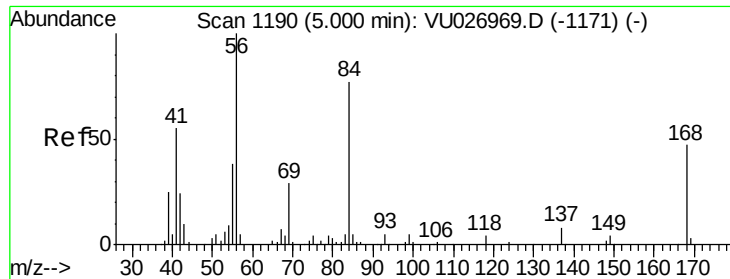
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#30
Chloroform
Concen: 119.214 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





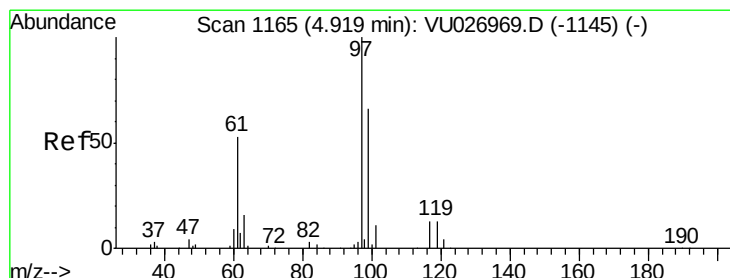
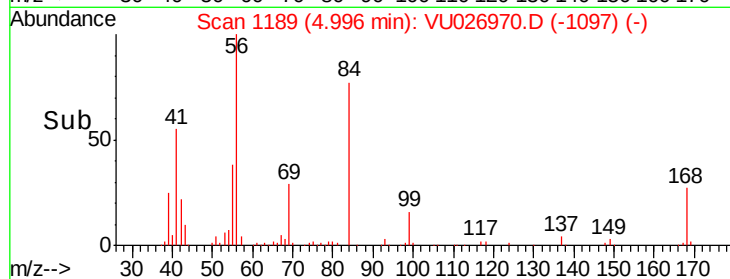
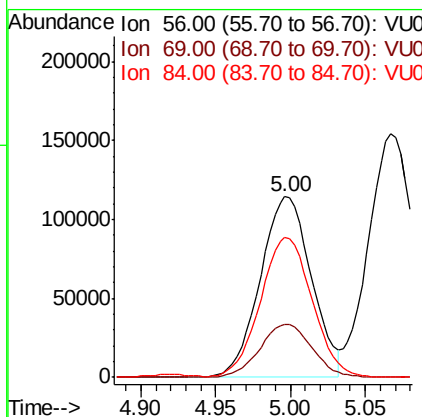
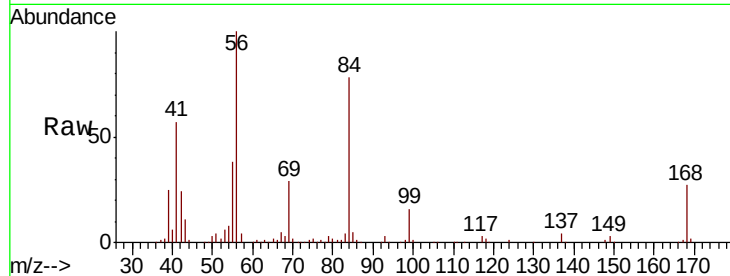
#31
Cyclohexane
Concen: 114.317 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.0	34.4
84	76.7	61.4	92.2

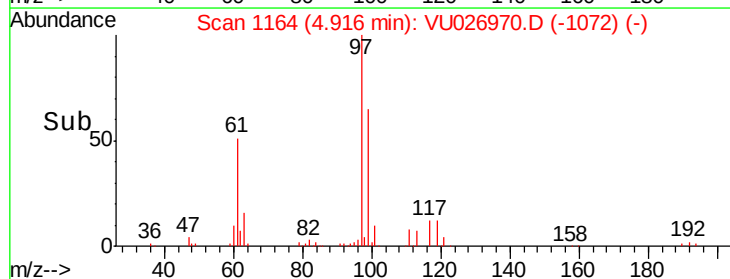
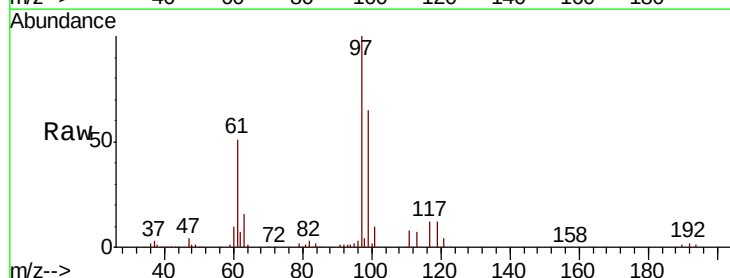
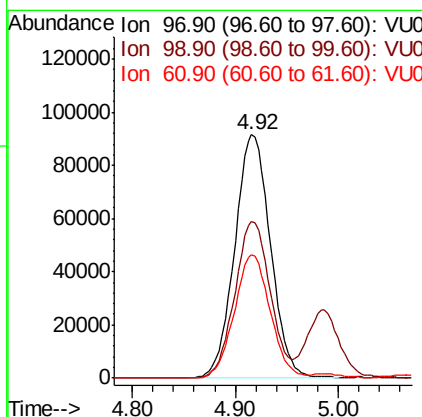
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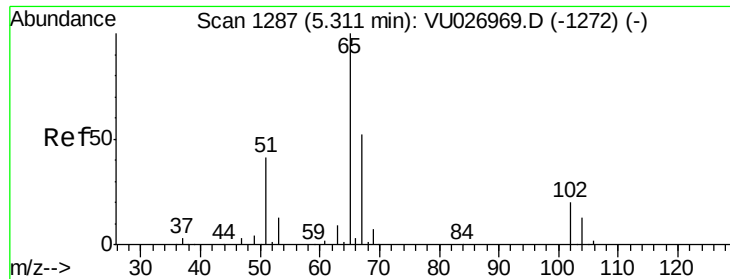
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#32
1,1,1-Trichloroethane
Concen: 119.995 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.6
61	51.0	41.1	61.7





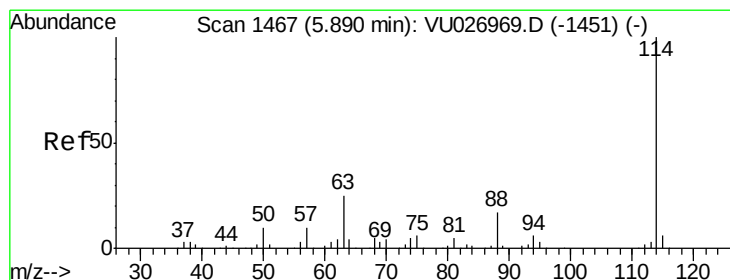
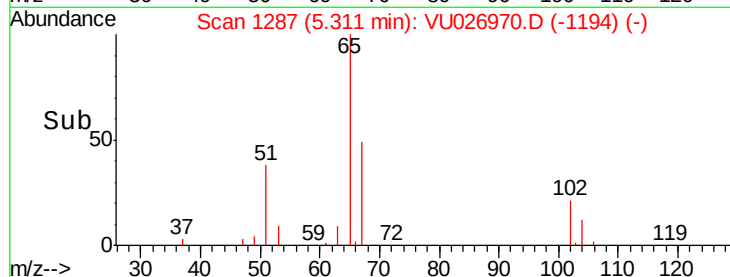
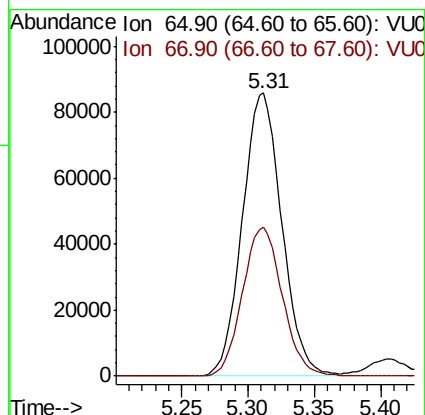
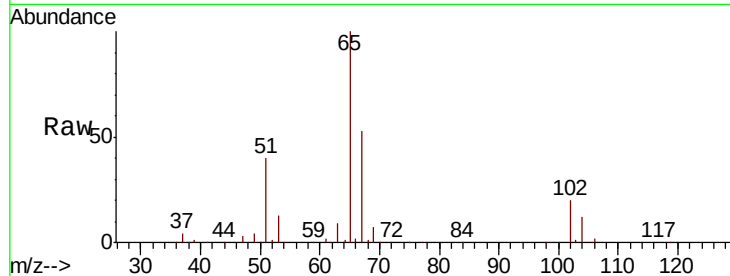
#33
 1,2-Dichloroethane-d4
 Concen: 122.588 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.6

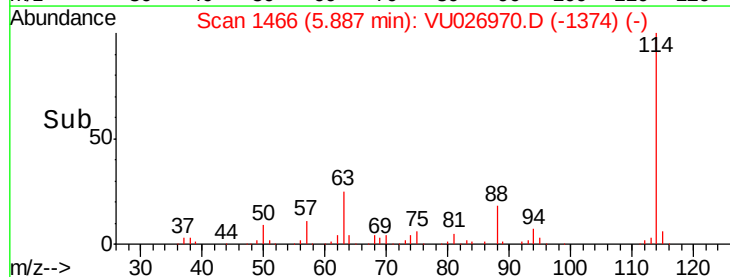
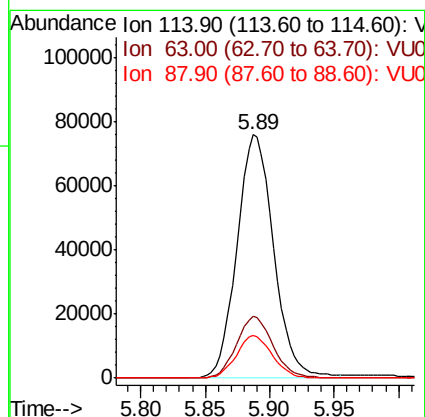
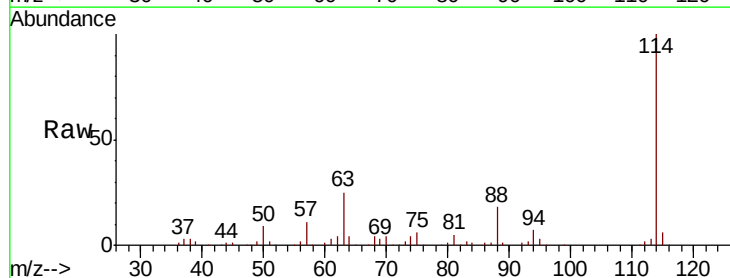
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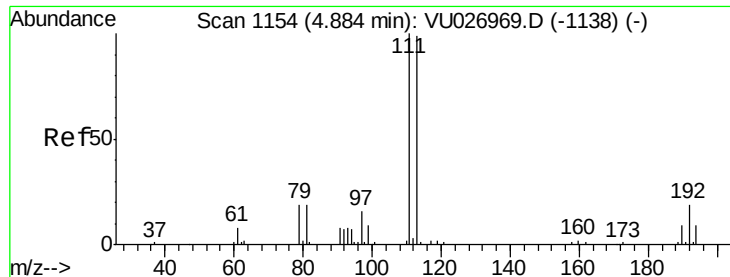
MMDadoda
 9/24/2018 2:14:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.3	0.0	49.2
88	17.5	0.0	33.8





#35

Dibromofluoromethane

Concen: 103.831 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

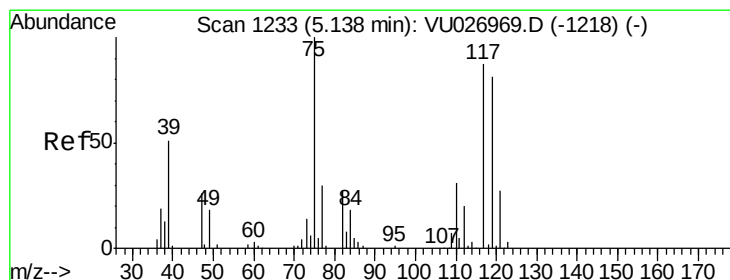
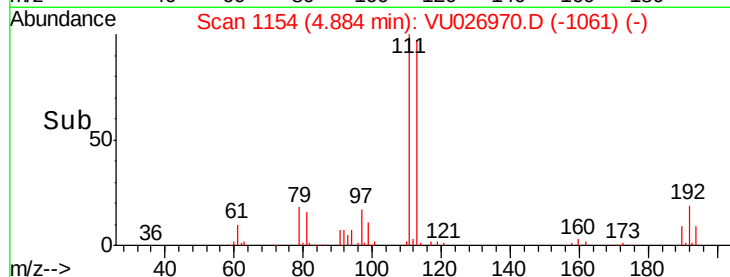
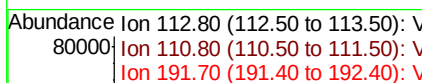
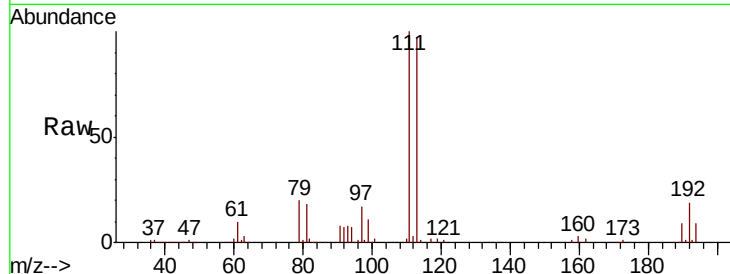
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	129729
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.2	123.4
192	18.7	15.2	22.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 118.752 ug/l

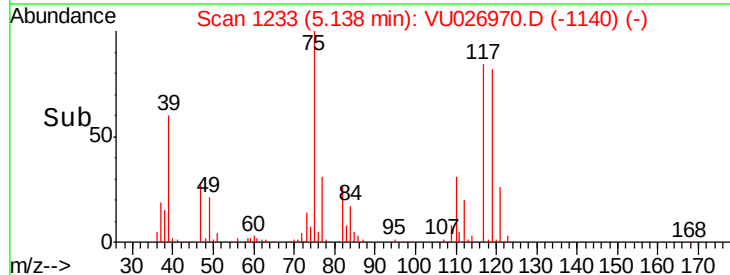
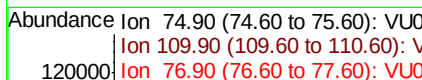
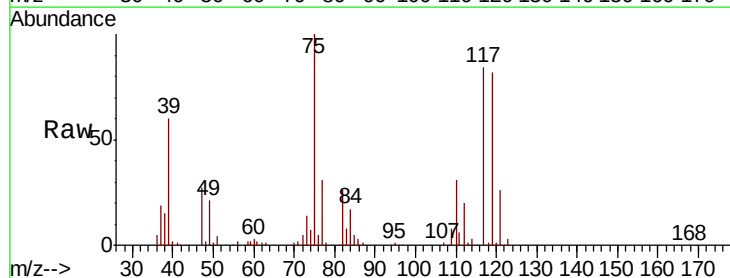
RT: 5.14 min Scan# 1233

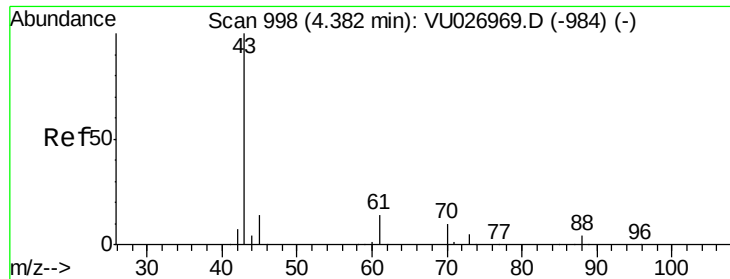
Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Tgt Ion:	75	Resp:	206360
Ion Ratio	Lower	Upper	
75	100		
110	31.7	16.1	48.2
77	30.7	24.6	36.8





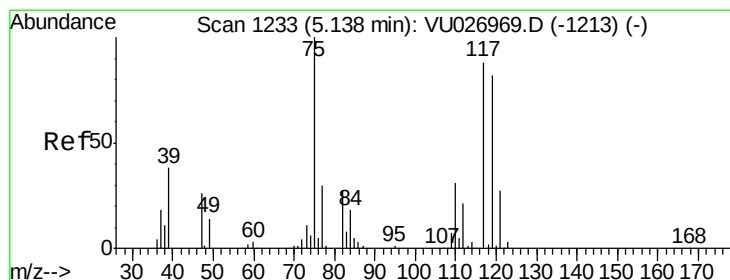
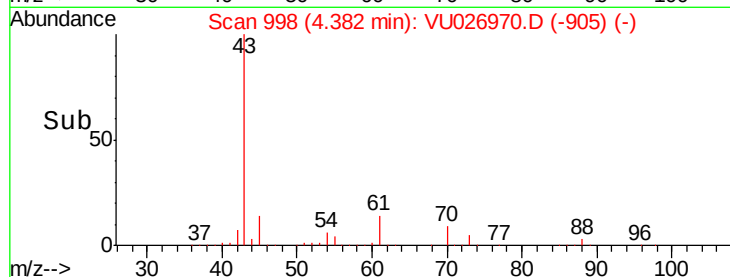
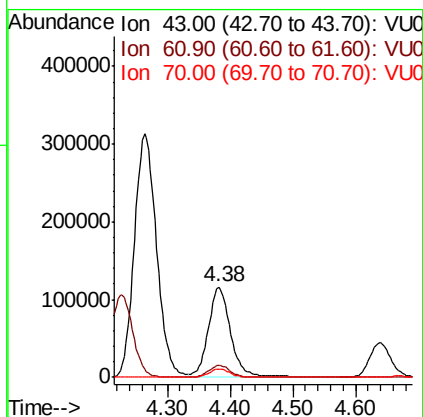
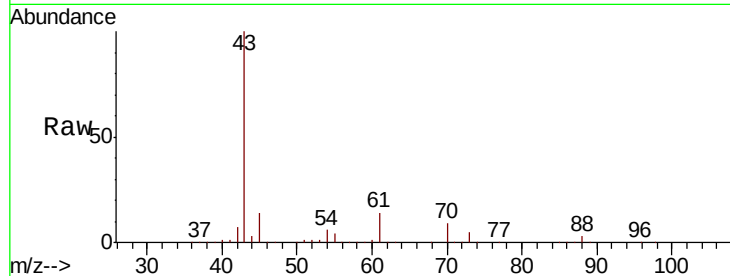
#37
Ethyl Acetate
Concen: 133.137 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	8.8	7.4	11.0

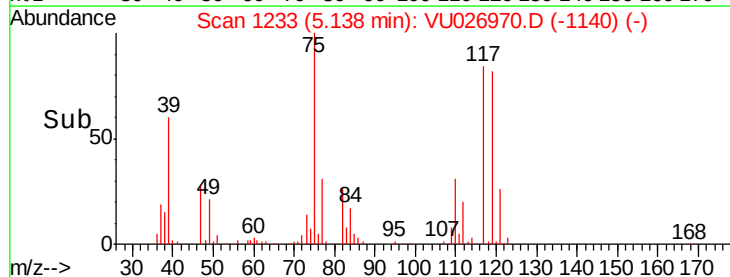
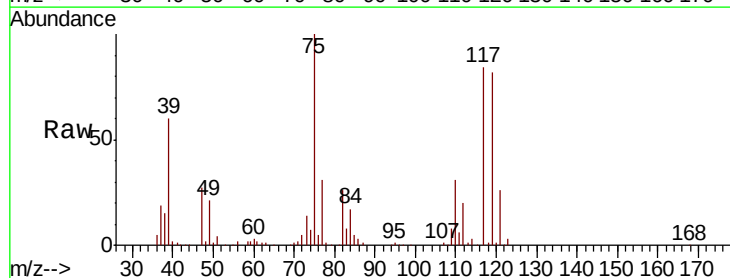
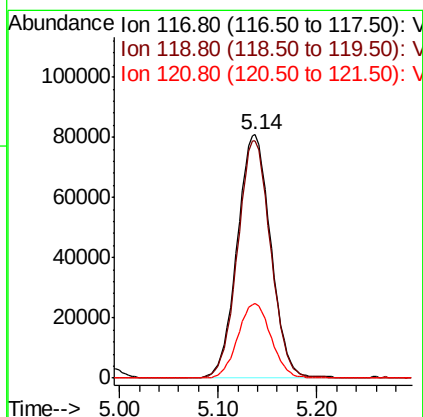
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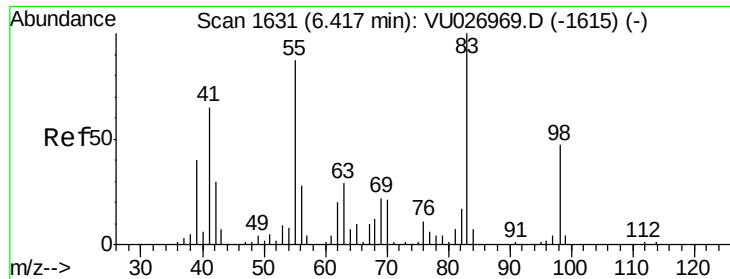
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#38
Carbon Tetrachloride
Concen: 105.282 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.4	111.6
121	30.6	24.2	36.4





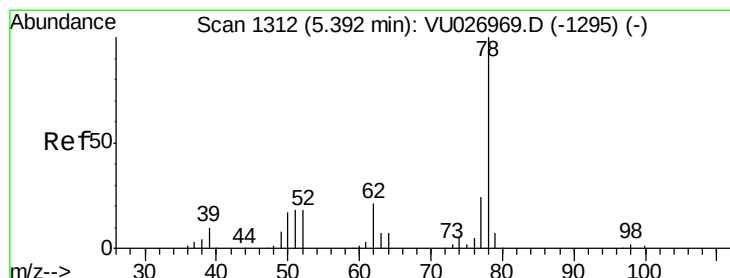
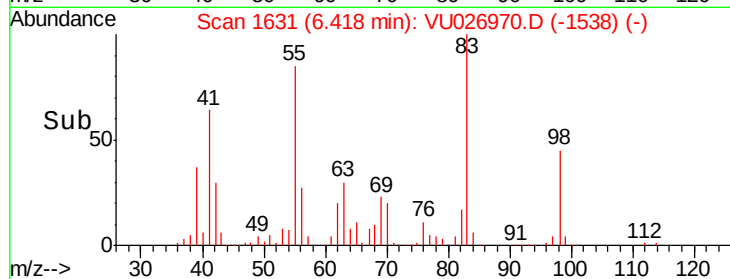
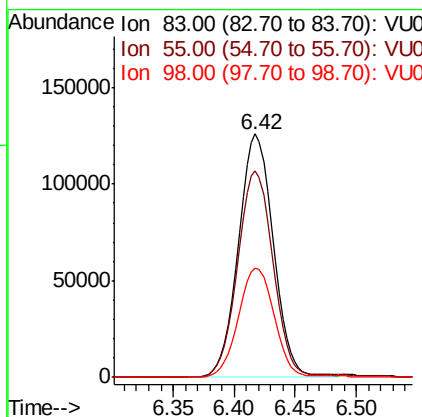
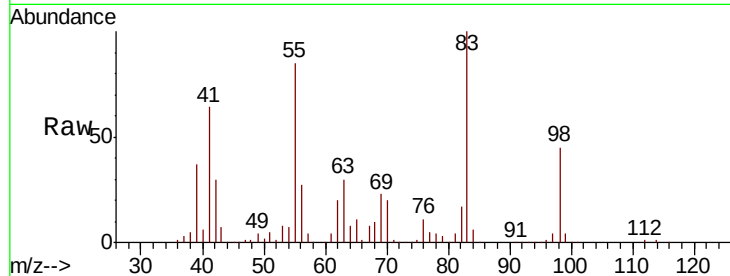
#39
Methylvlcyclohexane
Concen: 121.872 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	83.00	Resp	249443
Ion Ratio	Lower	Upper	
83	100		
55	84.9	69.9	104.9
98	44.8	37.5	56.3

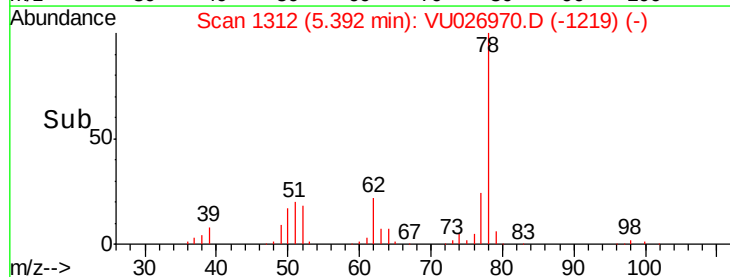
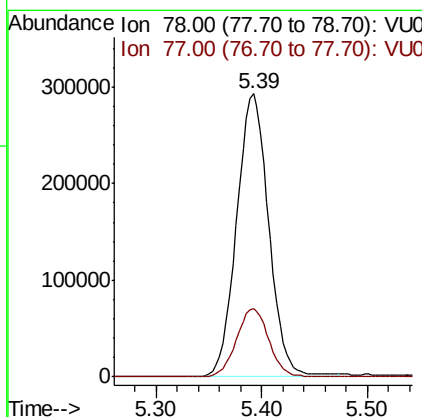
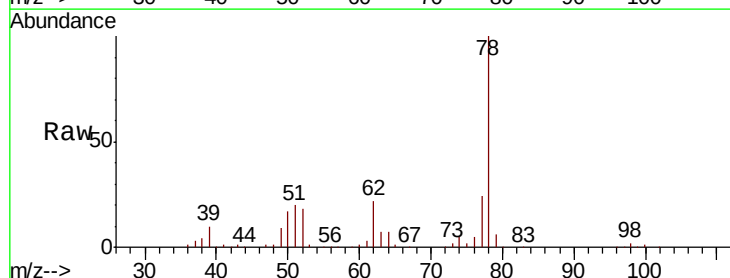
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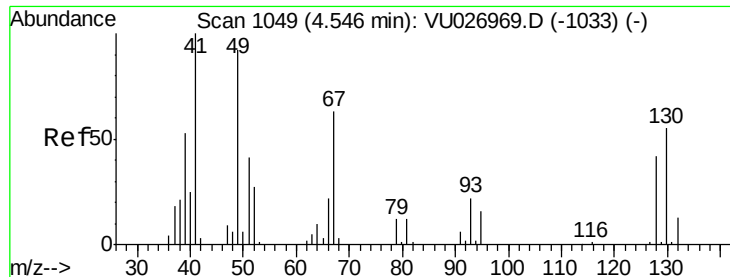
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#40
Benzene
Concen: 115.227 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	78.00	Resp	619322
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.4	29.0





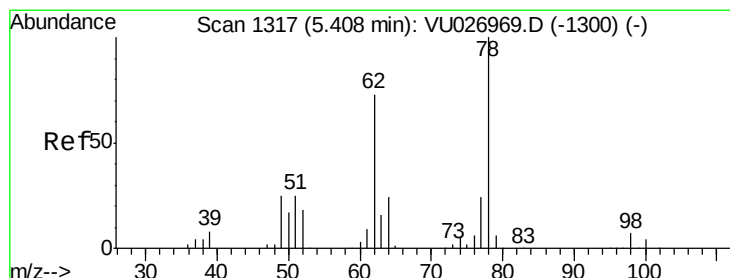
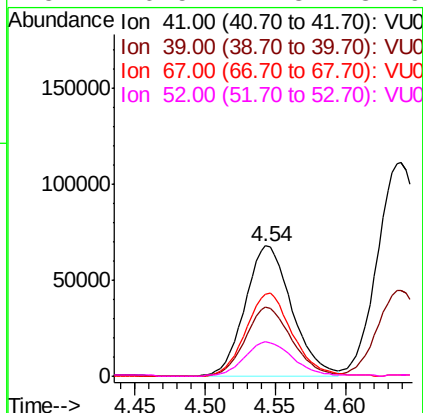
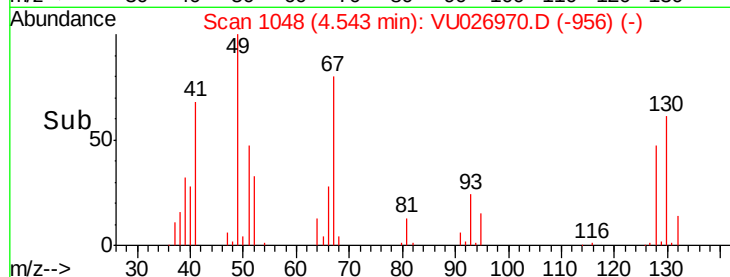
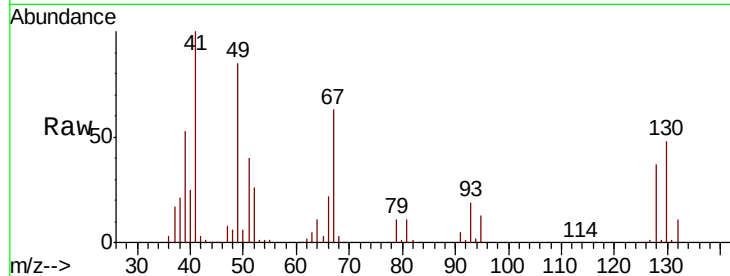
#41
Methacrylonitrile
Concen: 139.723 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.9	64.3	
67	63.8	52.4	78.6	
52	26.5	21.3	31.9	

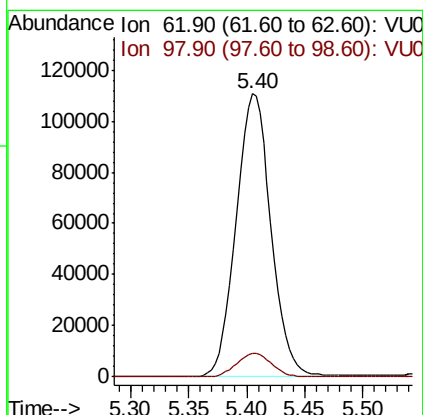
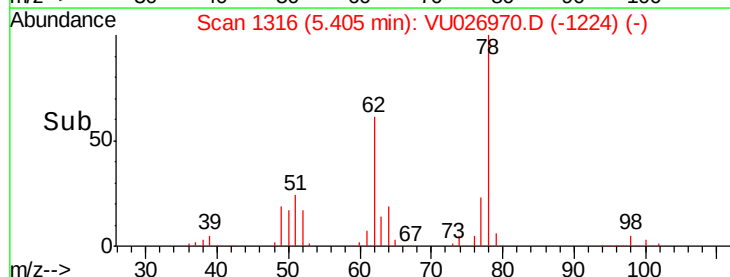
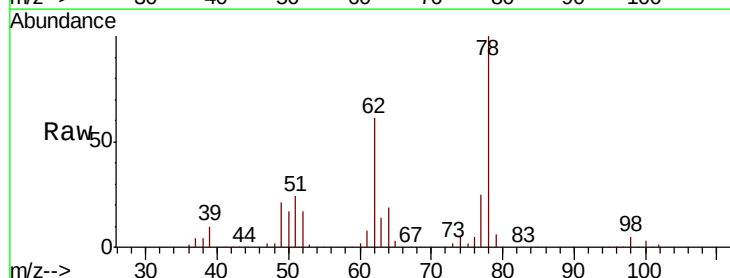
Manual Integrations
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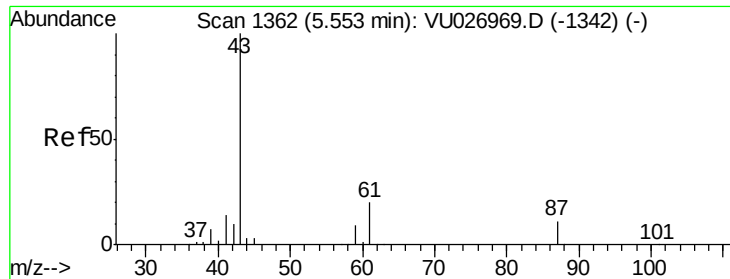
MMDadoda
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#42
1,2-Dichloroethane
Concen: 118.736 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.0	





#43

Isopropyl Acetate

Concen: 132.117 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

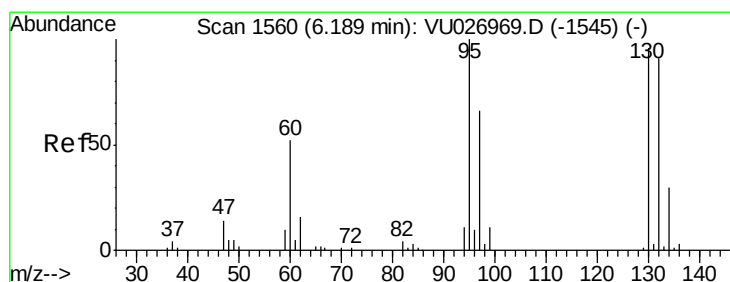
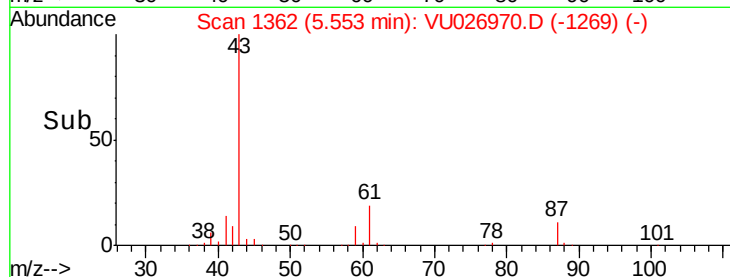
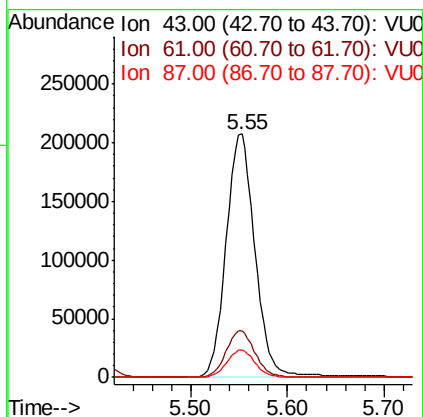
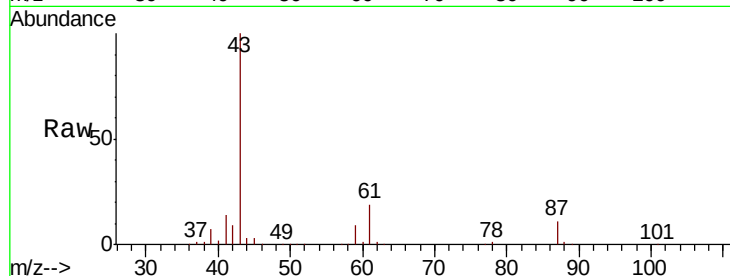
ClientSampleId :

VSTDICC100

Tot Ion:	43	Resp:	428356
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.7	23.5
87	11.1	9.0	13.4

Manual Integrations
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MMDadoda
9/24/2018 2:14:06 PM



#44

Trichloroethene

Concen: 104.616 ug/l

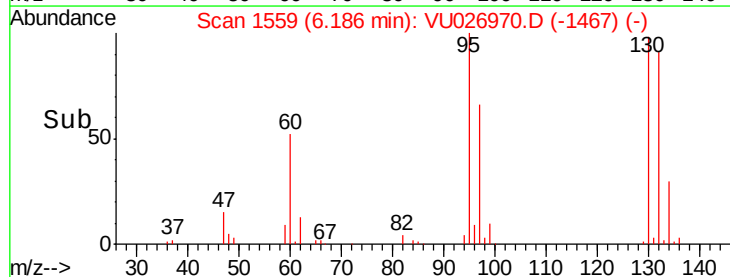
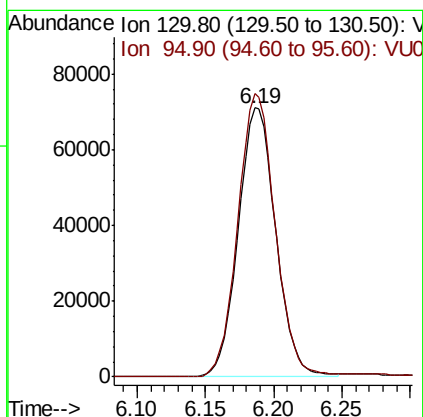
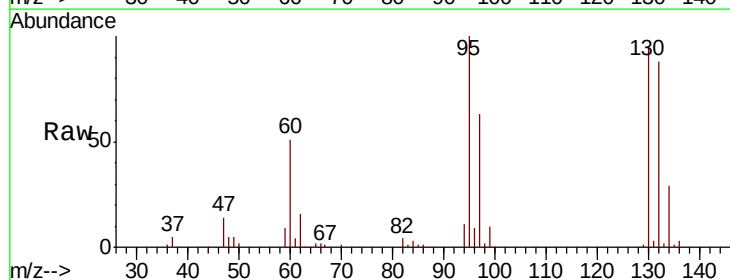
RT: 6.19 min Scan# 1559

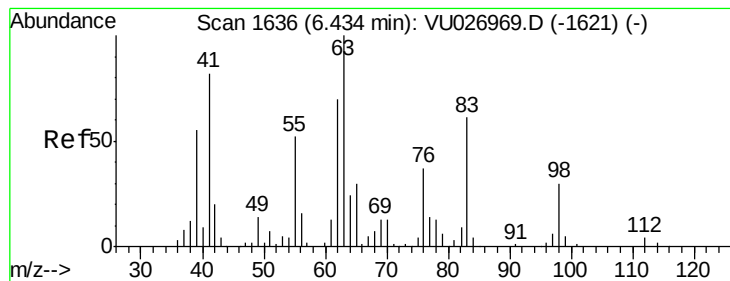
Delta R.T. -0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Tgt Ion:	130	Resp:	135942
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	208.8





#45

1,2-Dichloropropane

Concen: 120.692 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 177977

Ion Ratio Lower Upper

63 100

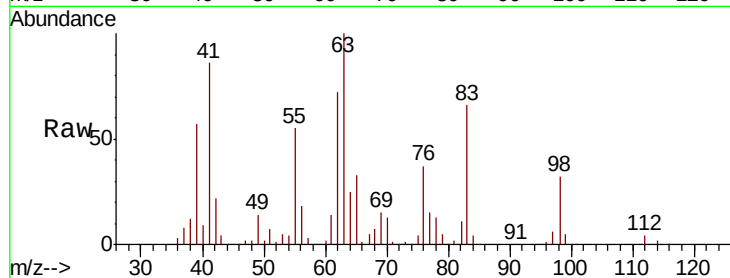
65 32.7 24.3 36.5

Manual Integrations

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9/24/2018 2:14:06 PM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

100000

80000

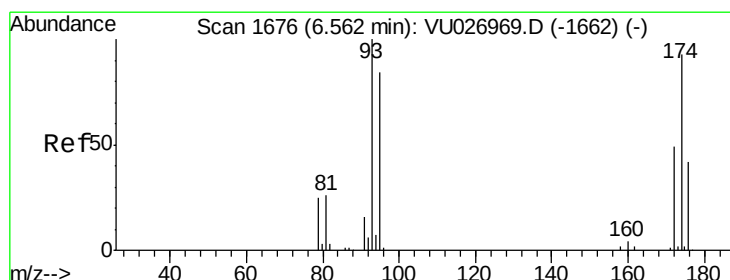
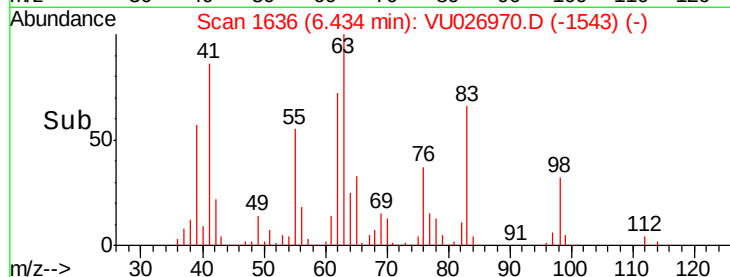
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 113.584 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

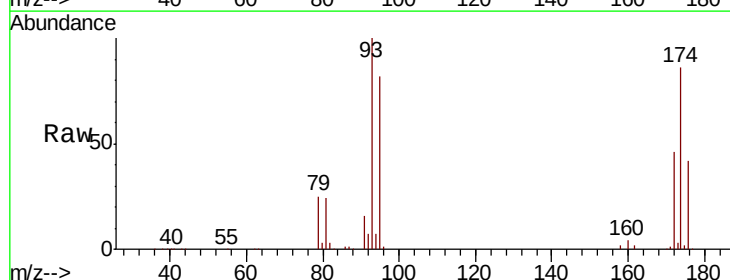
Tgt Ion: 93 Resp: 106295

Ion Ratio Lower Upper

93 100

95 81.8 66.2 99.4

174 88.8 71.7 107.5



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

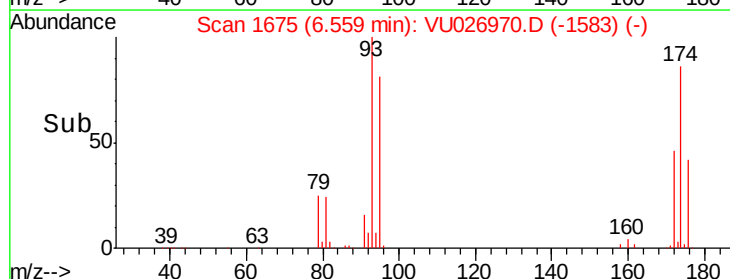
60000

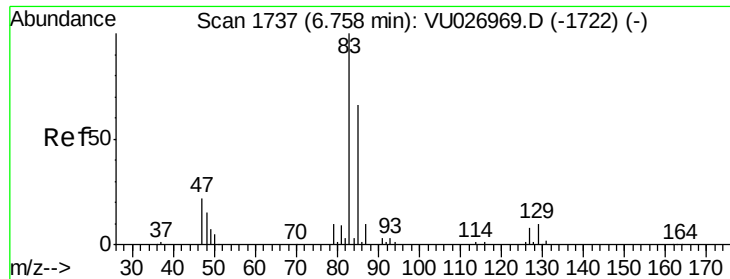
40000

20000

0

Time-->





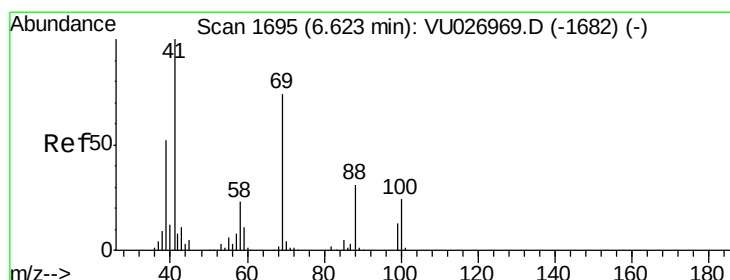
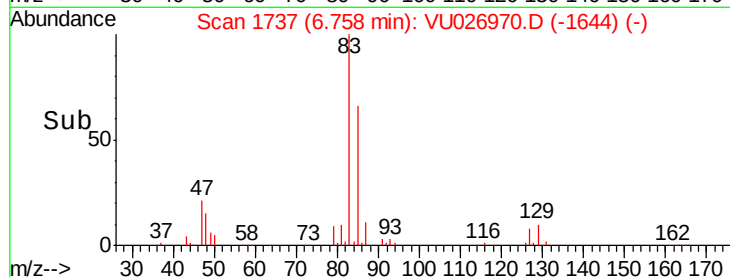
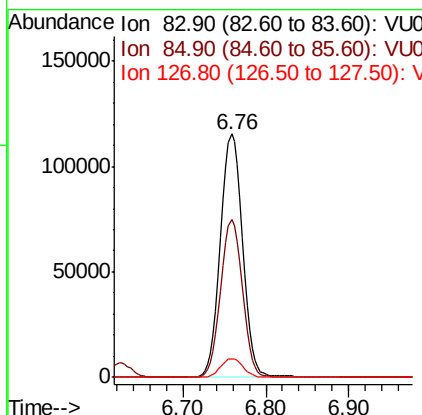
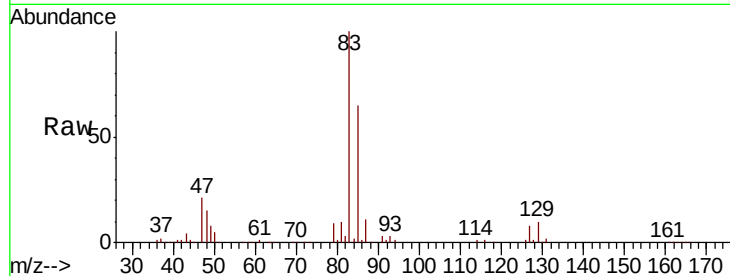
#47
Bromodichloromethane
Concen: 115.628 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	214310		
85	64.6	52.5	78.7	
127	7.6	6.3	9.5	

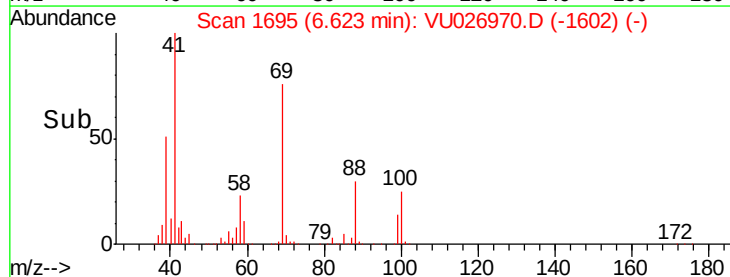
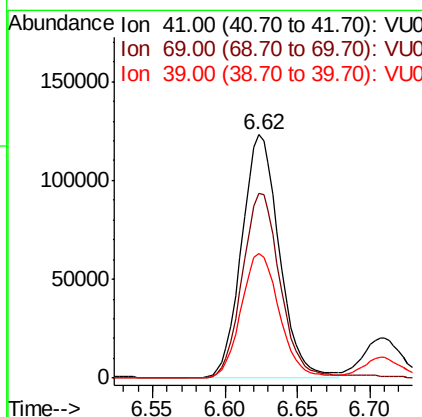
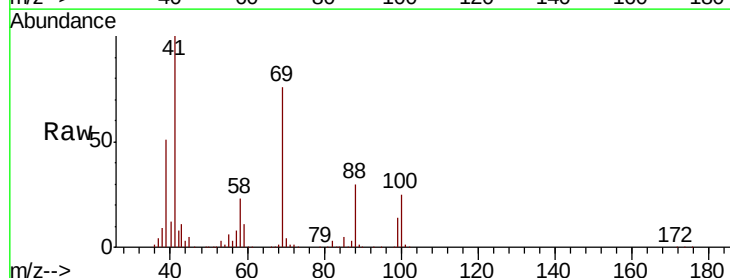
Manual Integrations
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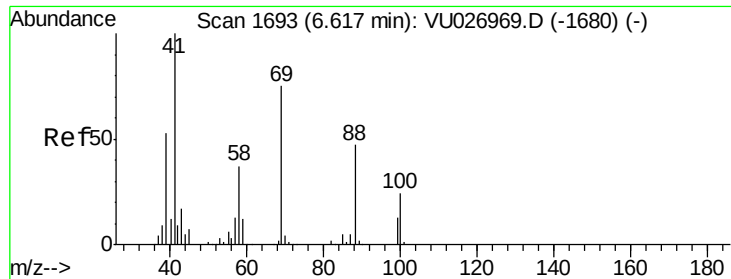
MMDadoda
9/24/2018 2:14:06 PM



#48
Methyl methacrylate
Concen: 138.403 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	222353		
69	76.5	60.6	90.8	
39	51.9	42.8	64.2	





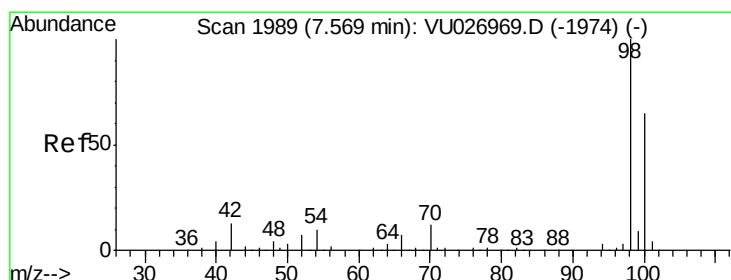
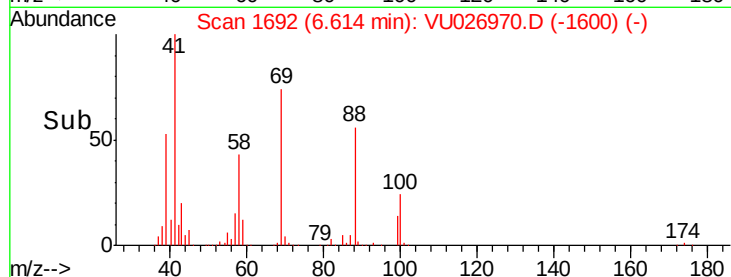
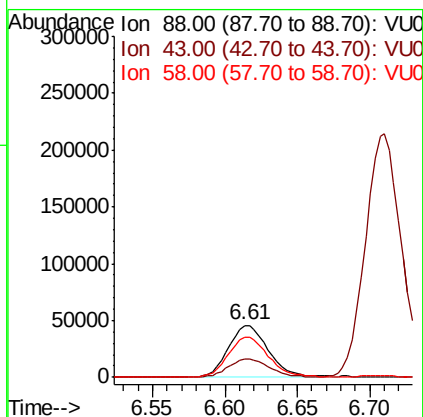
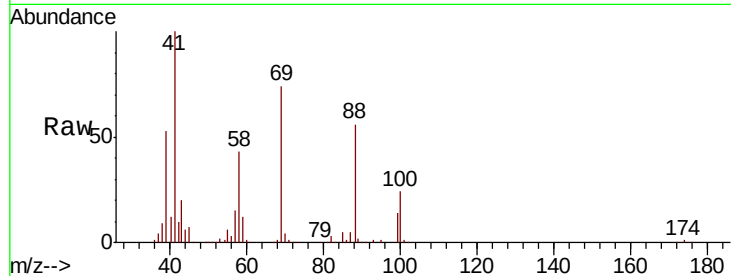
#49
1,4-Dioxane
Concen: 2416.681 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	29.8	44.8
58	79.8	63.9	95.9

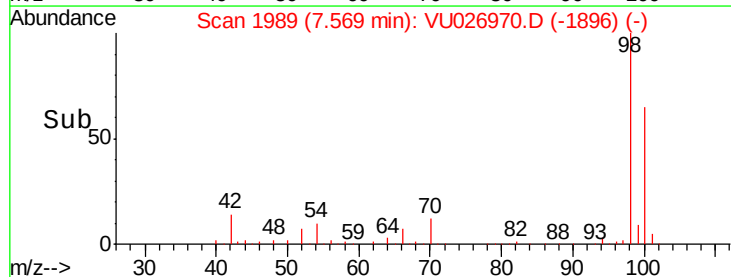
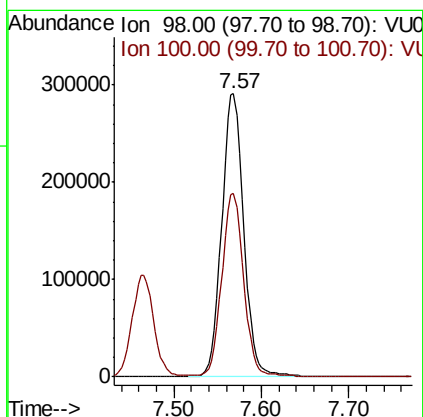
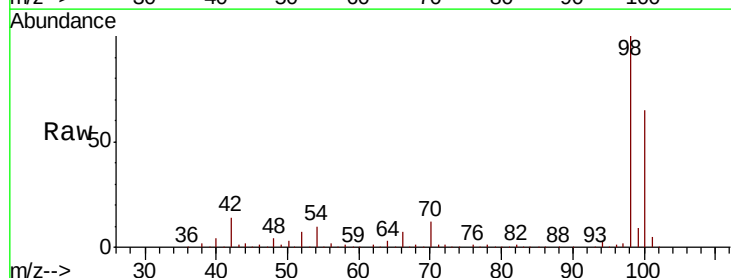
Manual Integrations
APPROVED

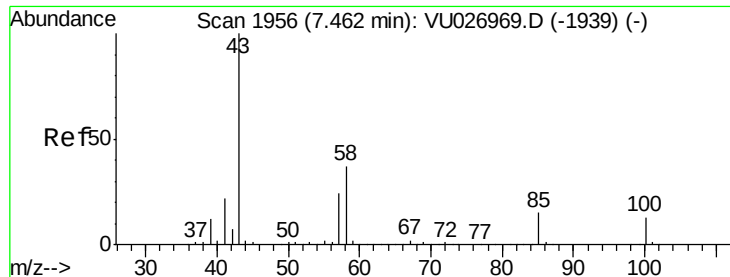
MMDadoda
9/24/2018 2:14:06 PM



#50
Toluene-d8
Concen: 109.182 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 672.066 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1469832

Ion Ratio Lower Upper

43 100

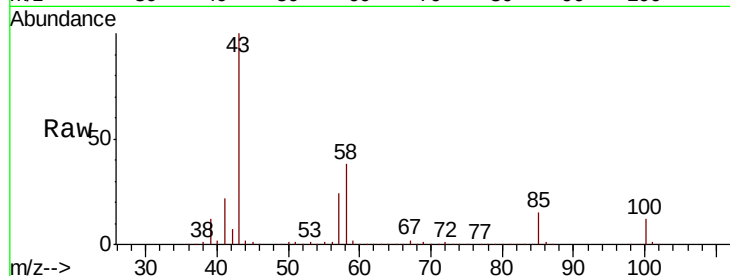
58 37.6 29.8 44.6

Manual Integrations

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MMDadoda

9/24/2018 2:14:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VU026970.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU026970.D (-1863) (-)

7.46

800000

600000

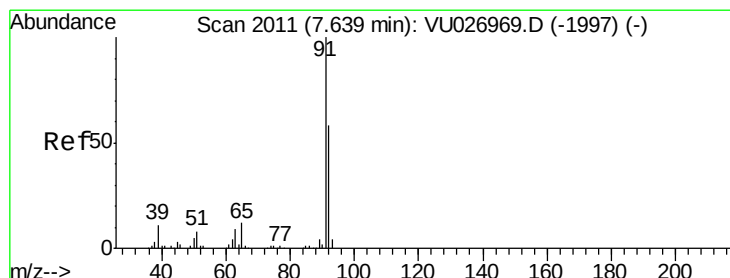
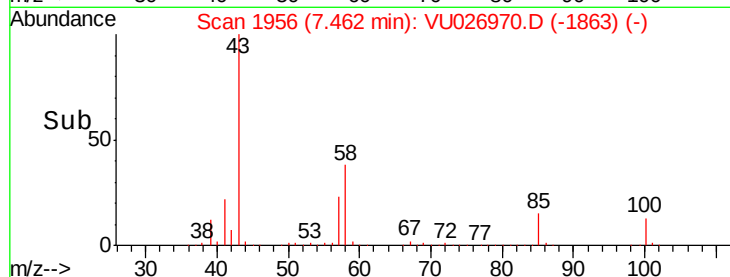
400000

200000

0

7.40 7.50 7.60

Time-->



#52

Toluene

Concen: 116.753 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026970.D

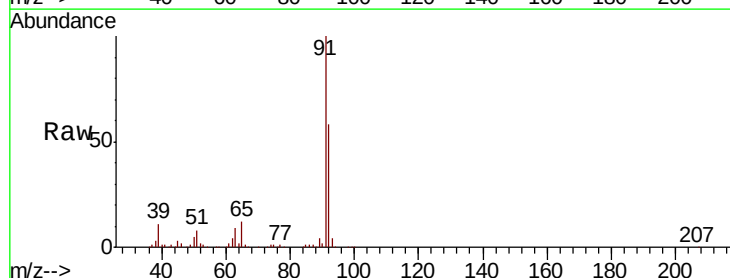
Acq: 21 Sep 2018 16:01

Tgt Ion: 92 Resp: 374940

Ion Ratio Lower Upper

92 100

91 172.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026970.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU026970.D (-1918) (-)

7.64

400000

300000

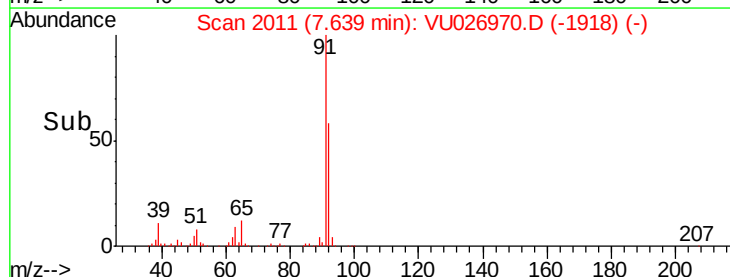
200000

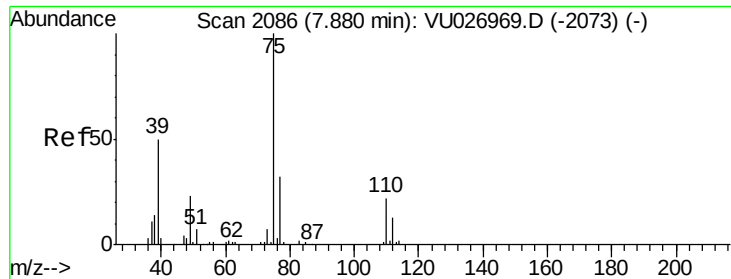
100000

0

7.60 7.70 7.80

Time-->





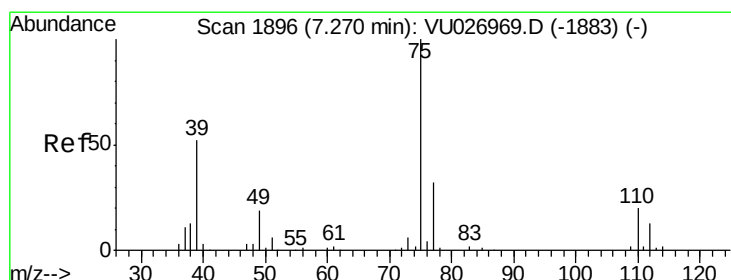
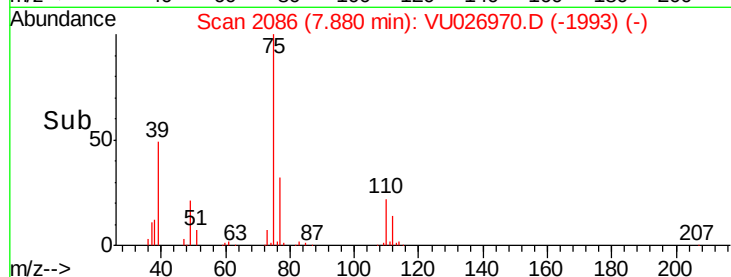
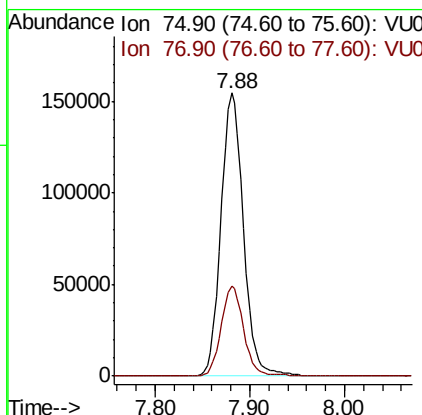
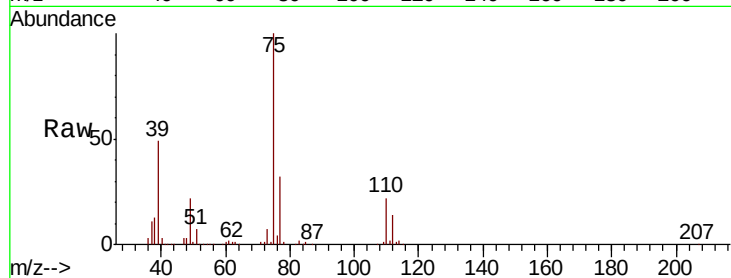
#53
t-1,3-Dichloropropene
Concen: 123.562 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9

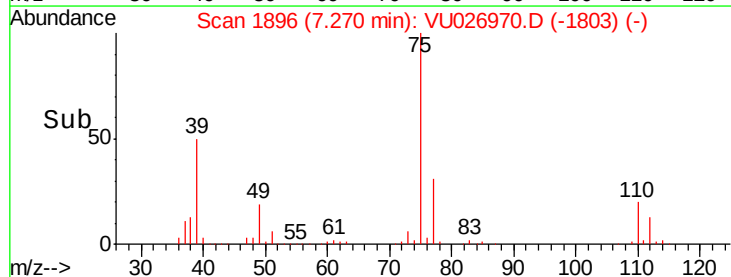
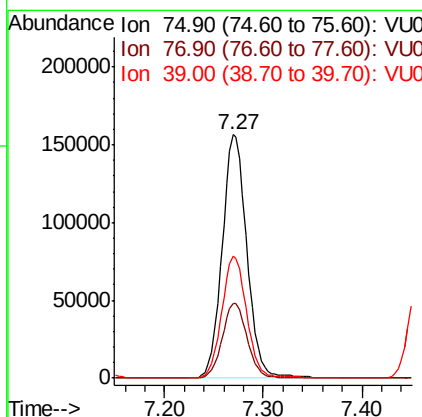
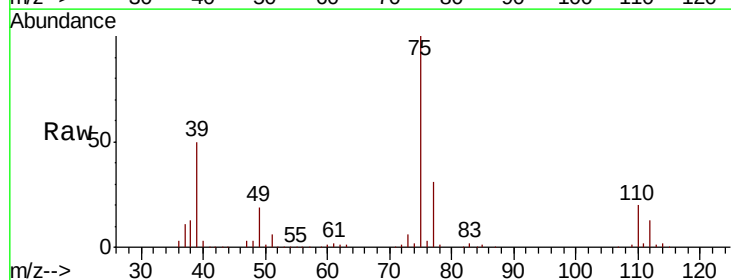
Manual Integrations
APPROVED

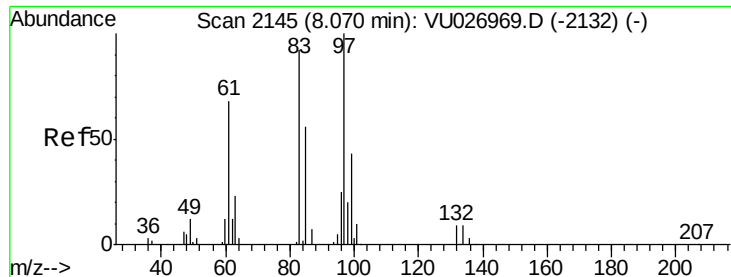
MMDadoda
9/24/2018 2:14:06 PM



#54
cis-1,3-Dichloropropene
Concen: 122.752 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	49.9	41.6	62.4





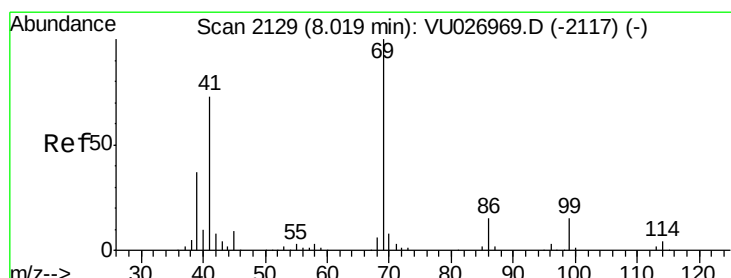
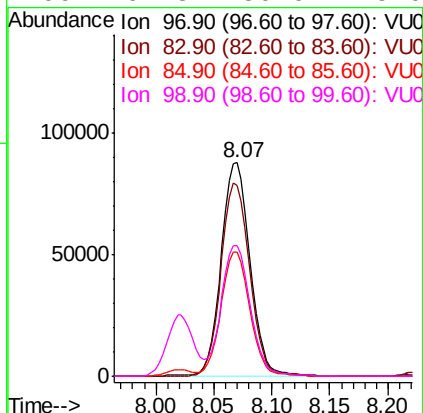
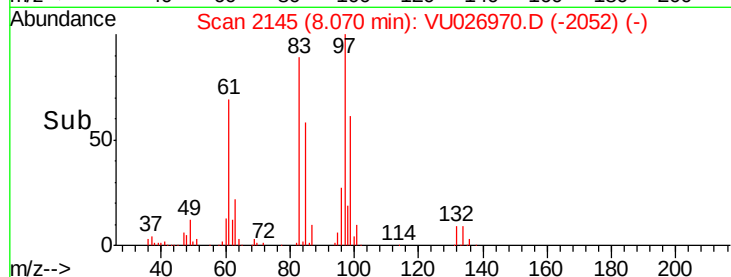
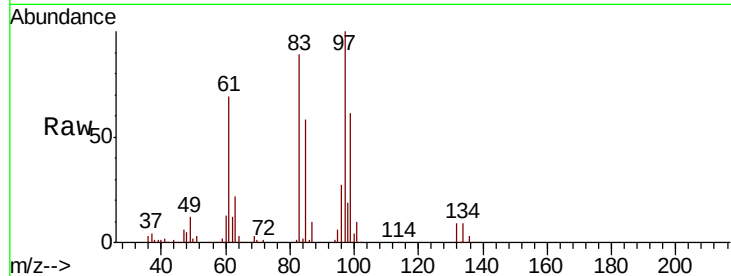
#55
 1,1,2-Trichloroethane
 Concen: 111.226 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	151931
Ion	Ratio	Lower	Upper
97	100		
83	89.3	73.1	109.7
85	58.0	46.7	70.1
99	61.3	50.0	75.0

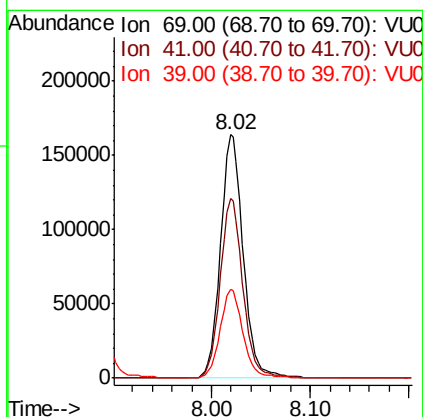
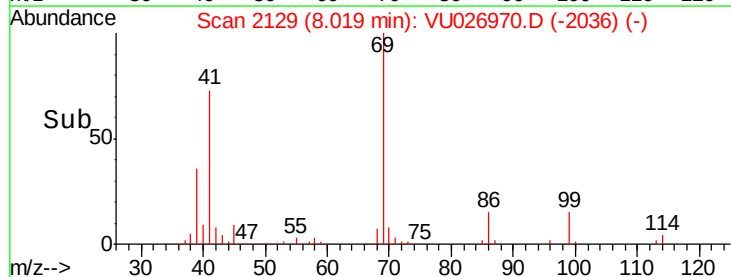
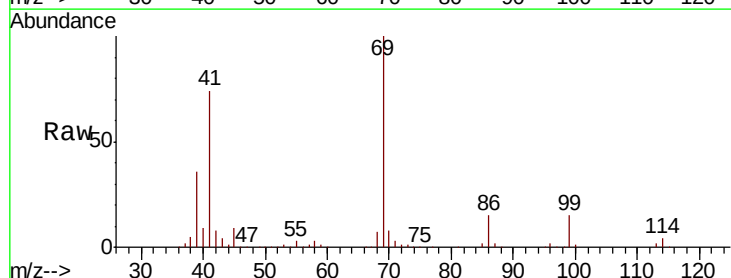
Manual Integrations
 APPROVED

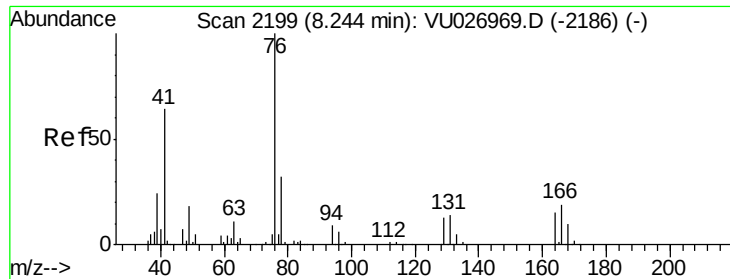
MMDadoda
 9/24/2018 2:14:06 PM



#56
 Ethyl methacrylate
 Concen: 131.726 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Tgt Ion:	69	Resp:	265128
Ion	Ratio	Lower	Upper
69	100		
41	73.5	59.0	88.4
39	36.4	30.2	45.4





#57

1,3-Dichloropropane

Concen: 121.669 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 288364

Ion Ratio Lower Upper

76 100

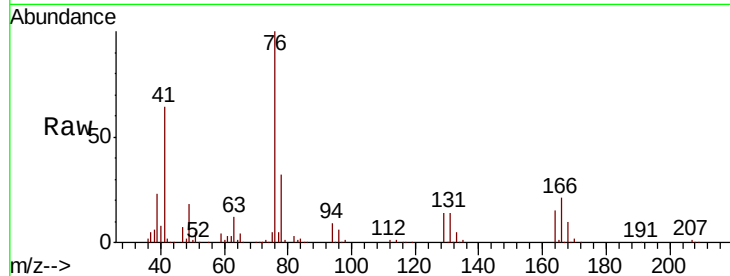
78 32.0 25.5 38.3

Manual Integrations

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MMDadoda

9/24/2018 2:14:06 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

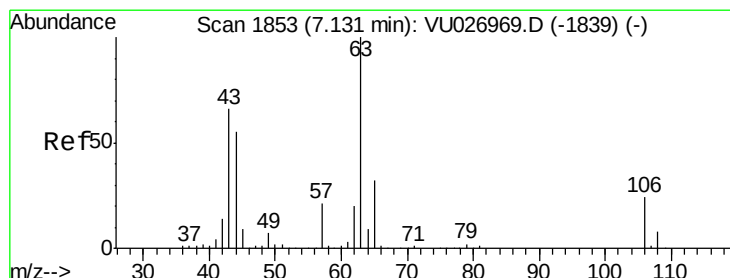
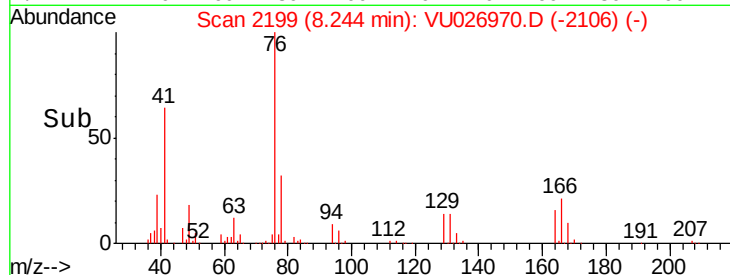
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 729.164 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU026970.D

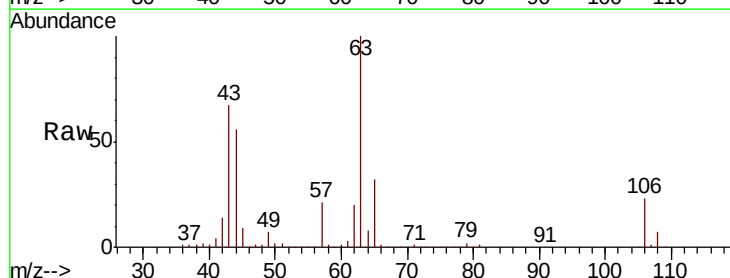
Acq: 21 Sep 2018 16:01

Tgt Ion: 63 Resp: 752213

Ion Ratio Lower Upper

63 100

106 23.5 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

500000

400000

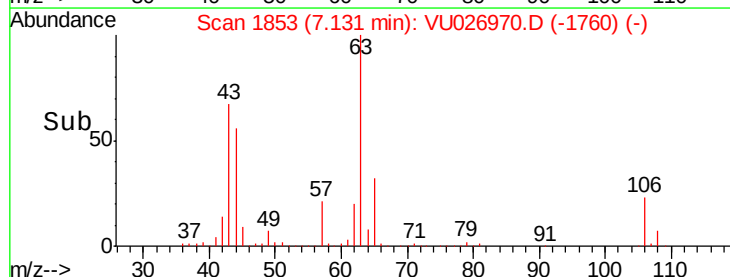
300000

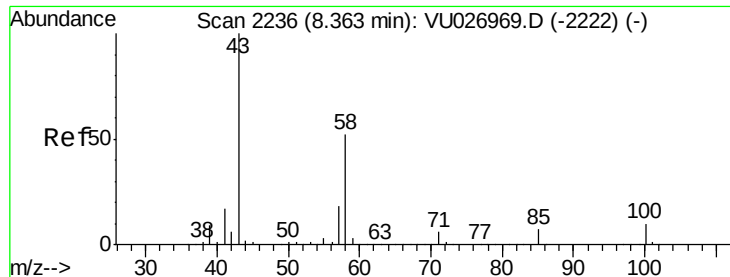
200000

100000

0

Time-->





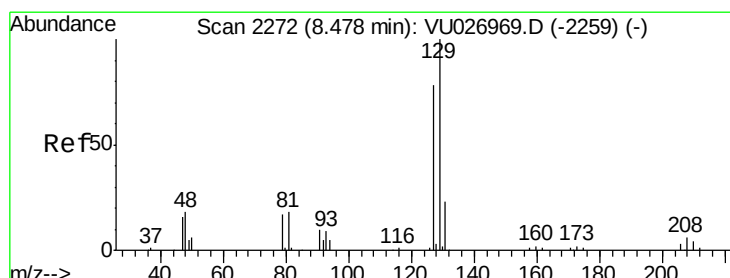
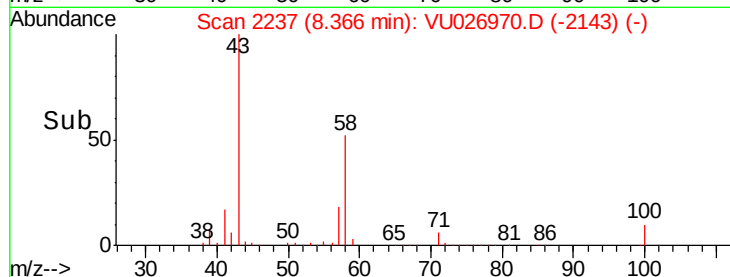
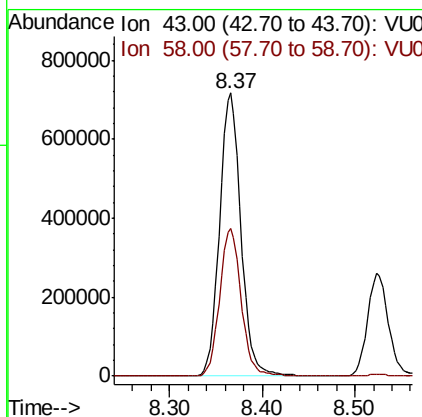
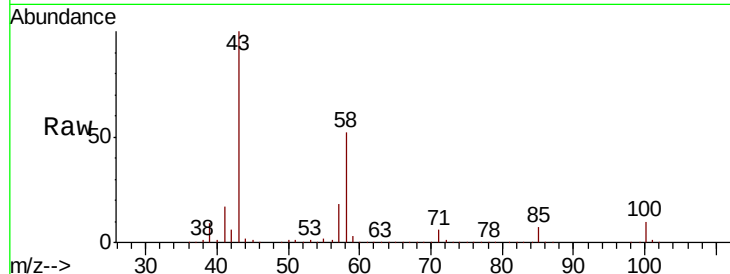
#59
2-Hexanone
Concen: 667.864 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1143158
Ion Ratio Lower Upper
43 100
58 52.6 26.1 78.2

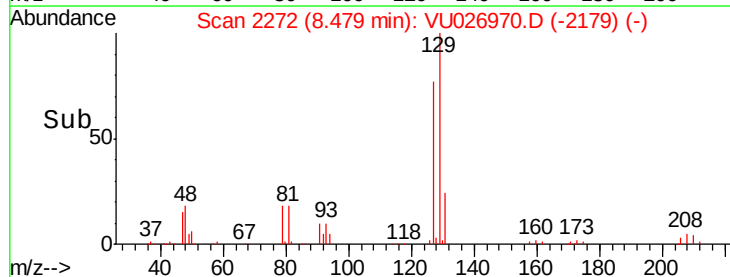
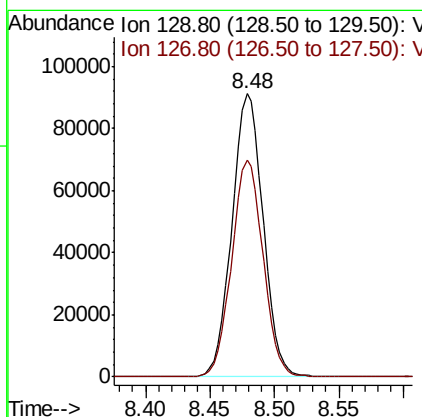
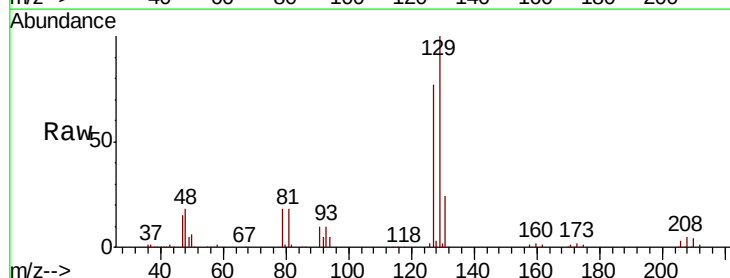
Manual Integrations
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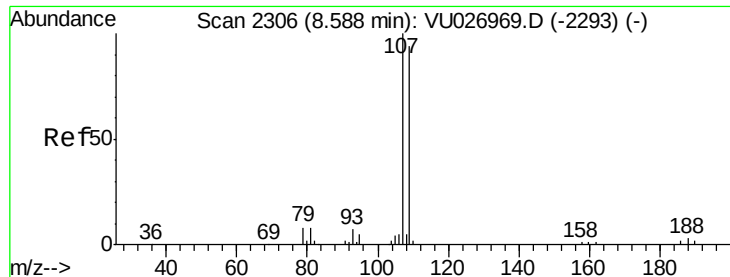
MMDadoda
9/24/2018 2:14:06 PM



#60
Dibromochloromethane
Concen: 105.792 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion: 129 Resp: 153247
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.5





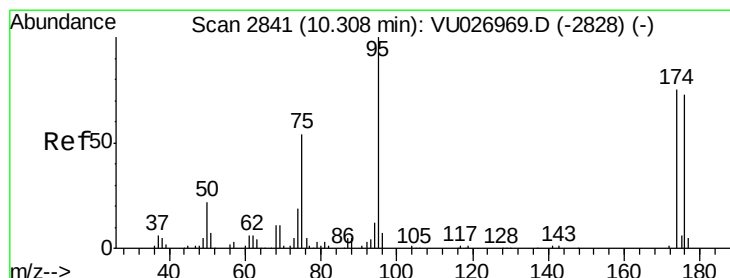
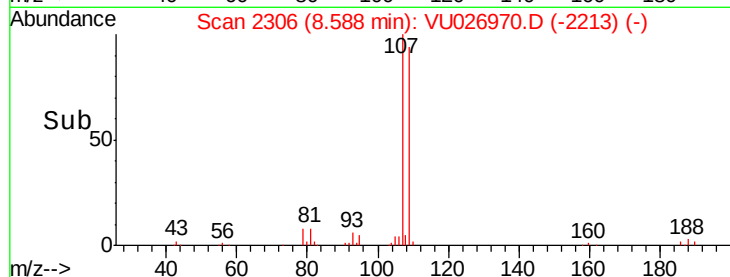
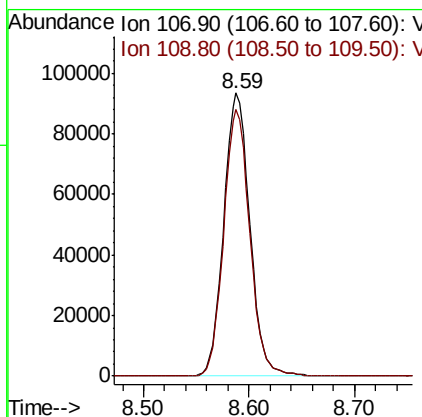
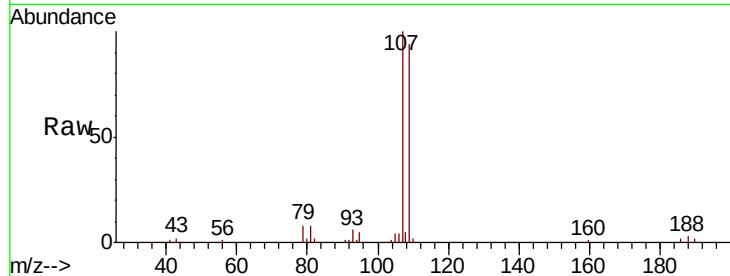
#61
 1,2-Dibromoethane
 Concen: 108.361 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	159942		
109	94.2	75.0	112.6	

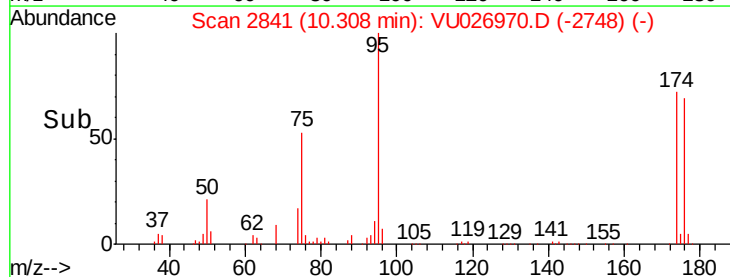
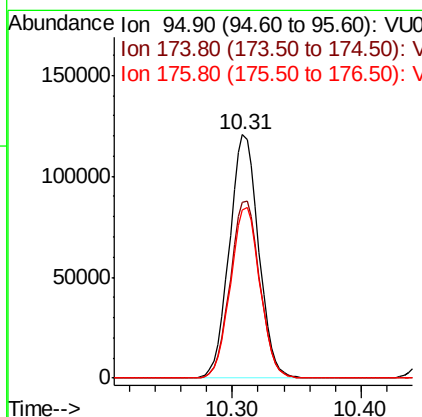
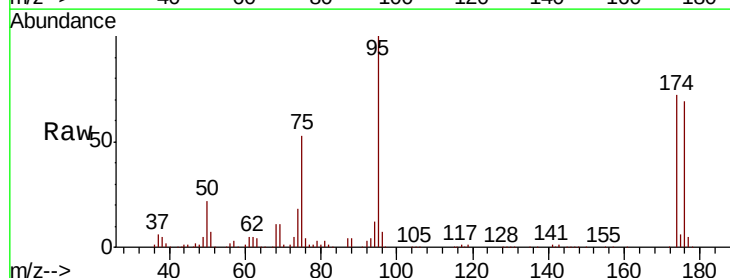
Manual Integrations
 APPROVED

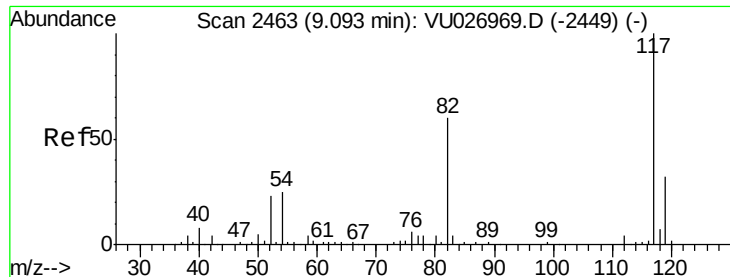
MMDadoda
 9/24/2018 2:14:06 PM



#62
 4-Bromofluorobenzene
 Concen: 113.114 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	189060		
174	74.0	0.0	150.2	
176	71.1	0.0	145.2	





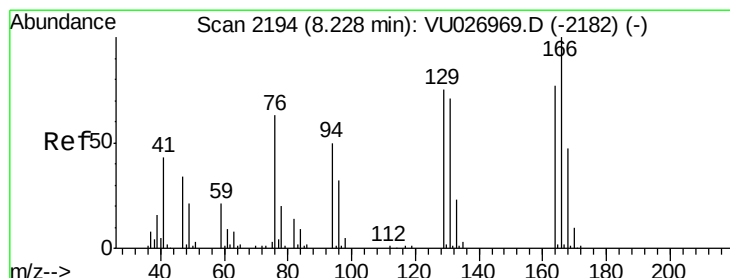
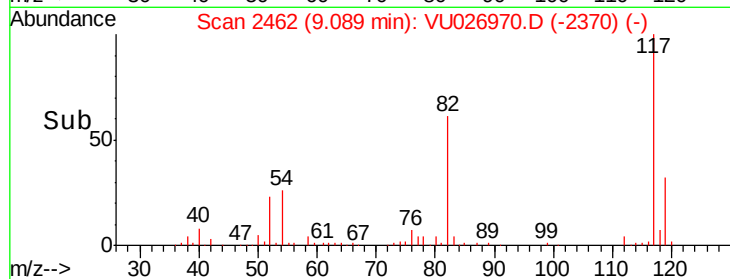
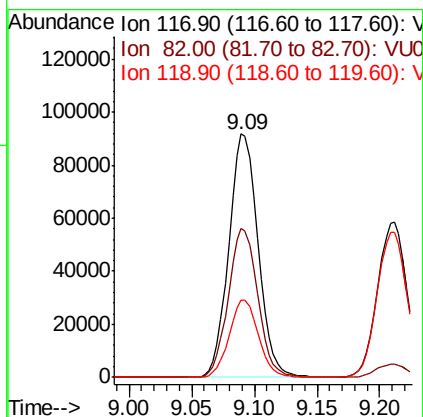
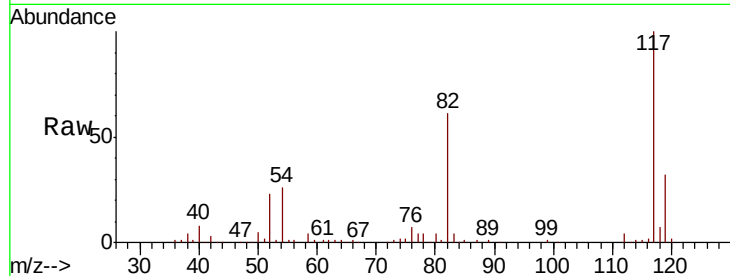
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	48.0	72.0
119	31.6	25.8	38.8

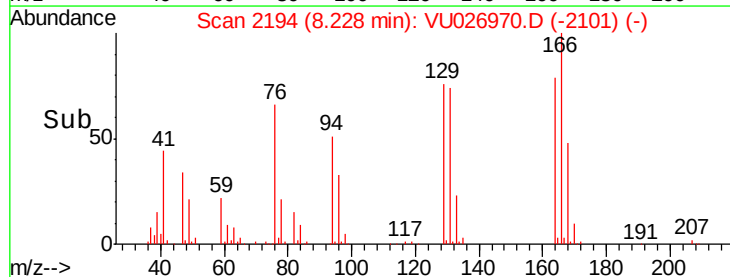
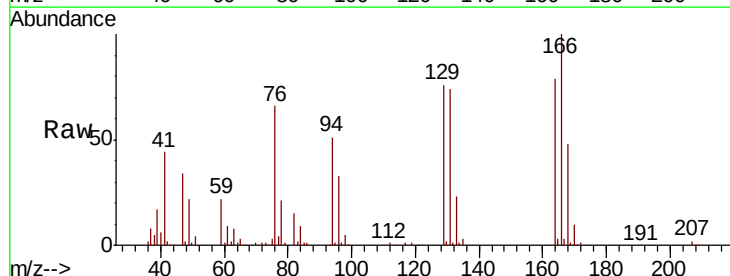
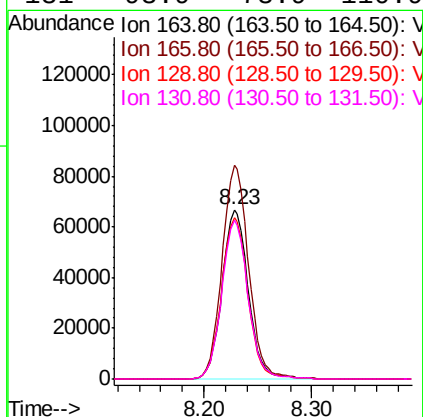
Manual Integrations
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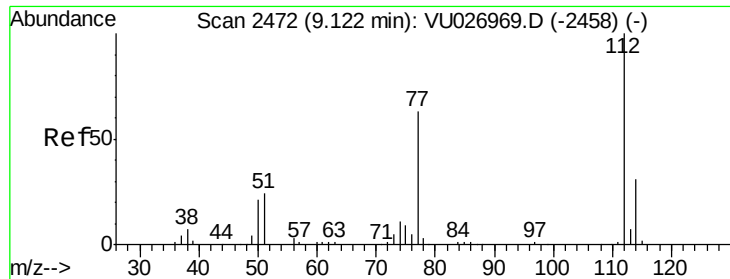
MMDadoda
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#64
Tetrachloroethene
Concen: 96.438 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	104.4	156.6
129	95.4	78.7	118.1
131	93.9	73.9	110.9





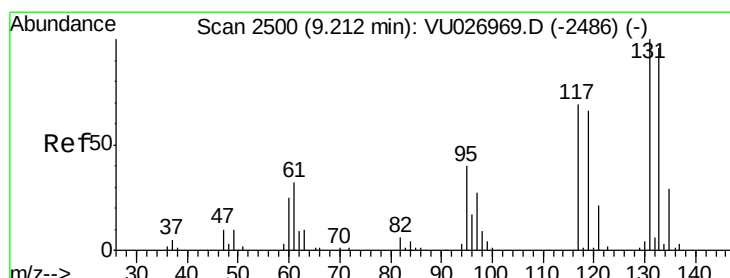
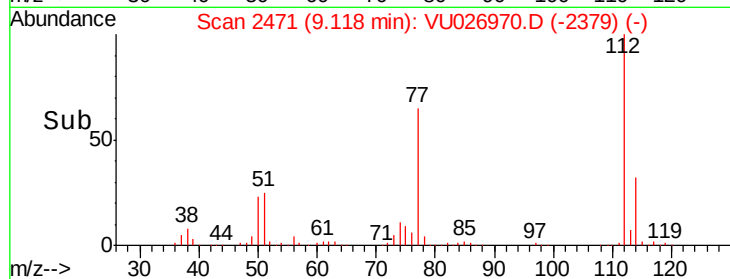
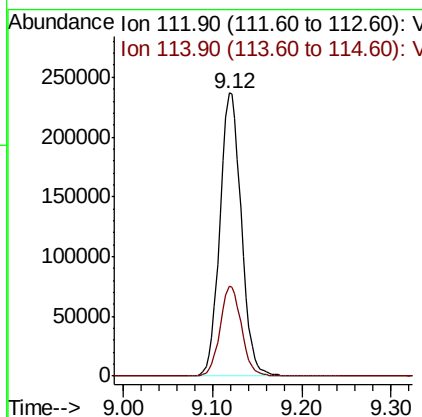
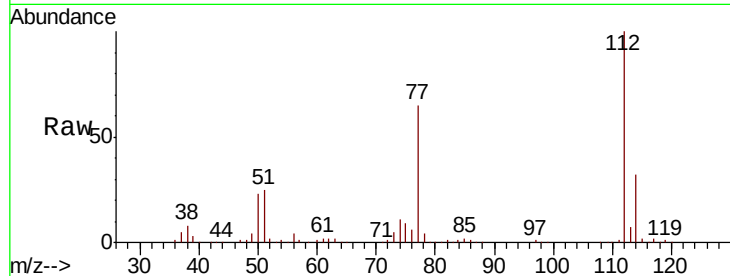
#65
Chlorobenzene
Concen: 106.082 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 393431
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

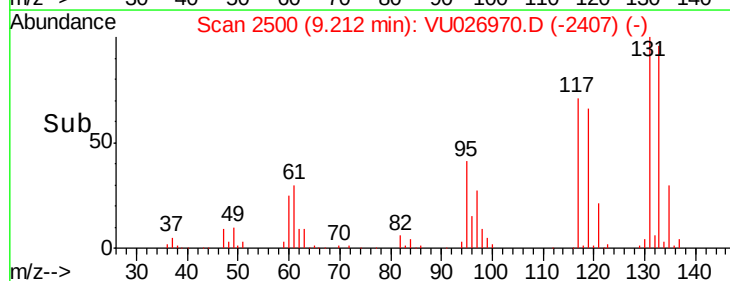
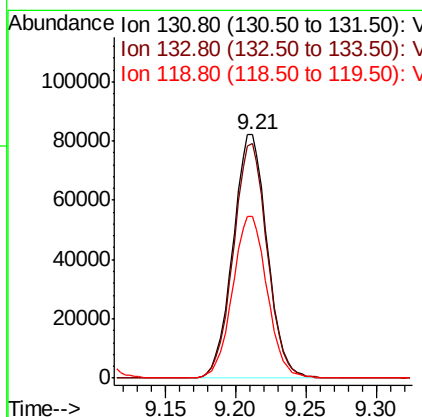
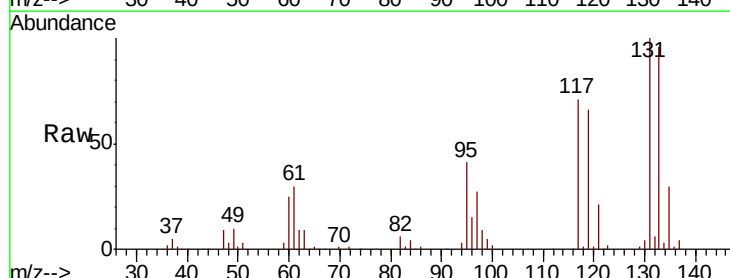
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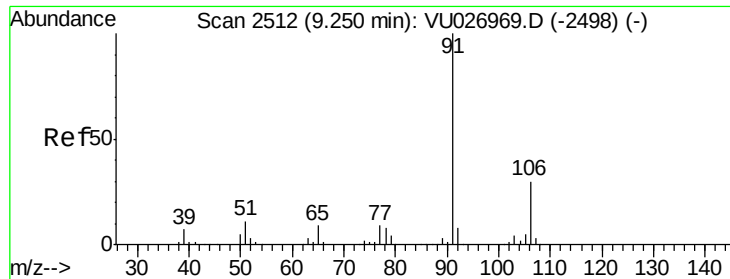
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 102.817 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion:131 Resp: 139708
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 66.9 33.4 100.1





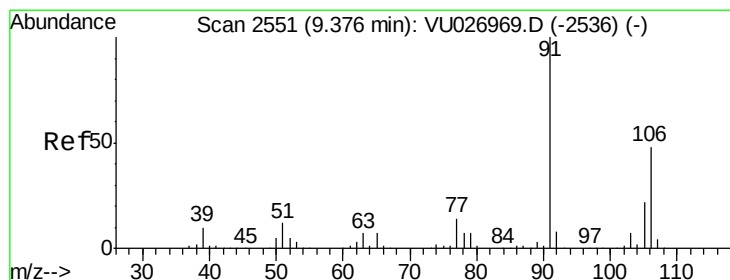
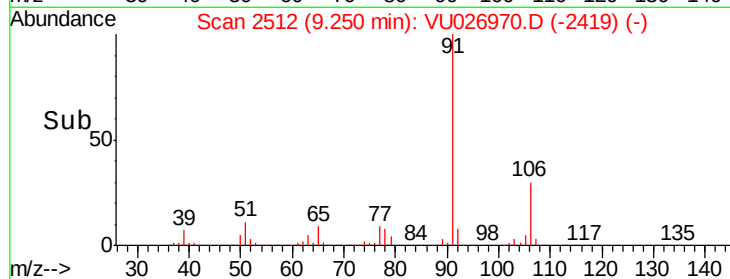
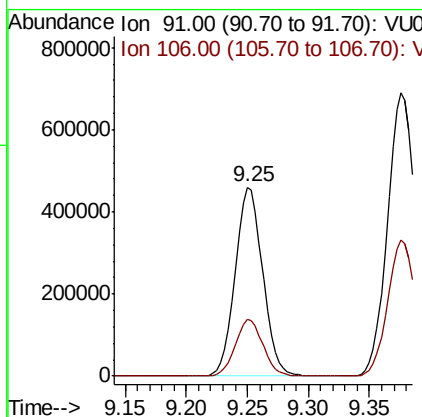
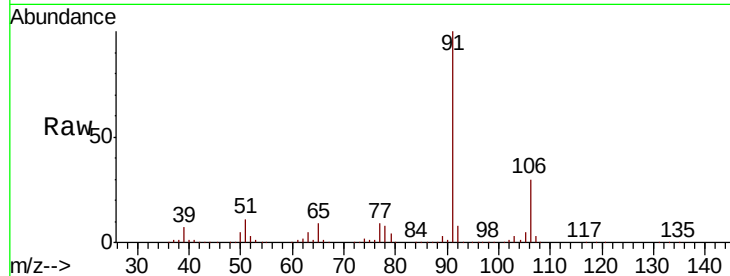
#67
Ethyl Benzene
Concen: 116.824 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 720829
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.8

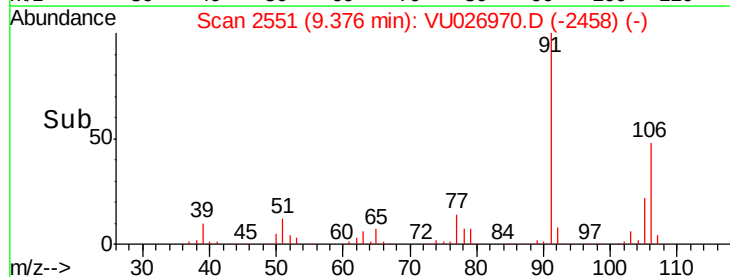
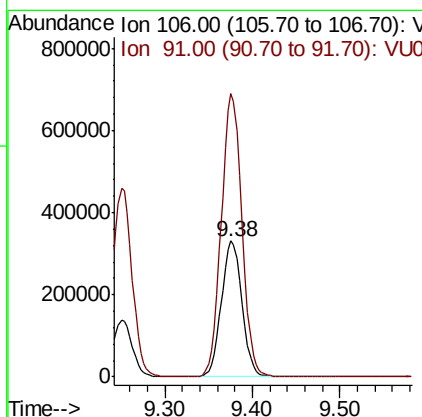
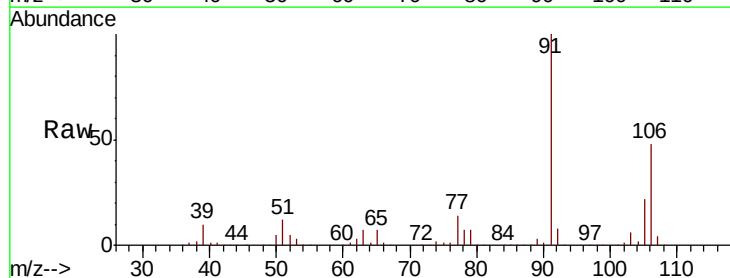
Manual Integrations
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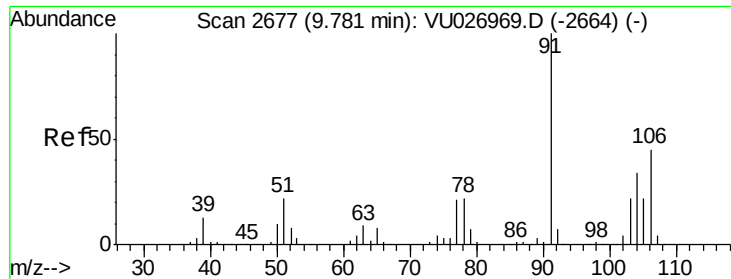
MMDadoda
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#68
m/p-Xylenes
Concen: 232.139 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion: 106 Resp: 541627
Ion Ratio Lower Upper
106 100
91 208.0 166.5 249.7





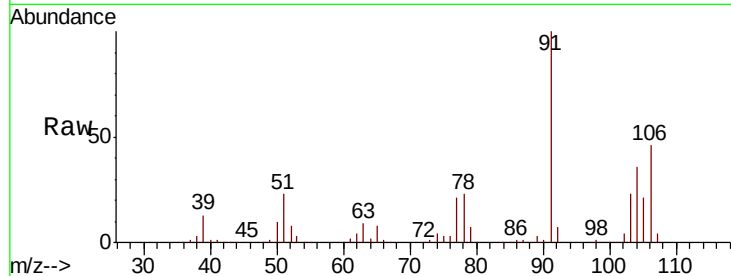
#69
o-Xylene
Concen: 116.392 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

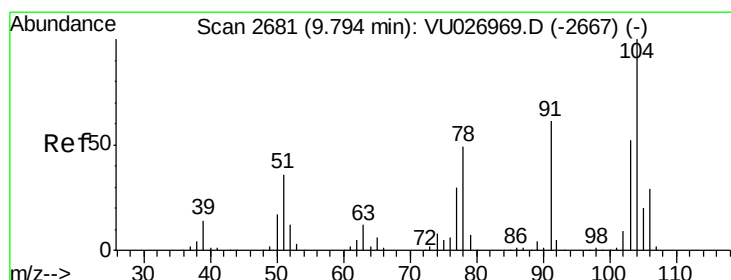
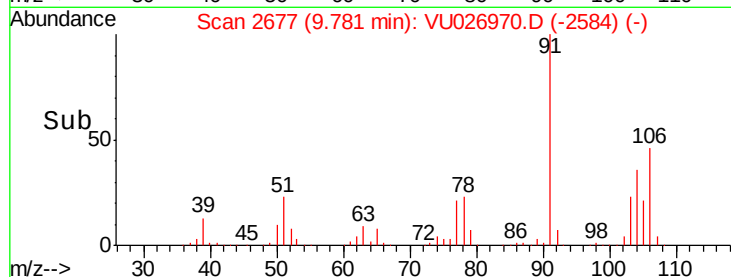
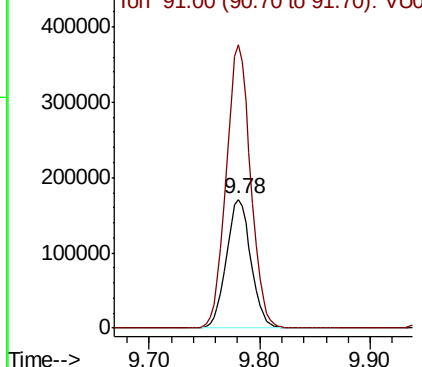
Tot Ion:106 Resp: 263394
Ion Ratio Lower Upper
106 100
91 219.8 110.2 330.6

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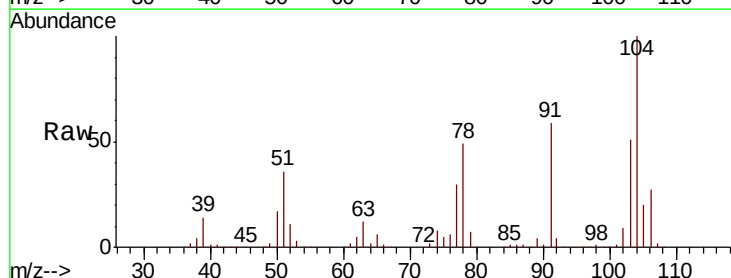


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

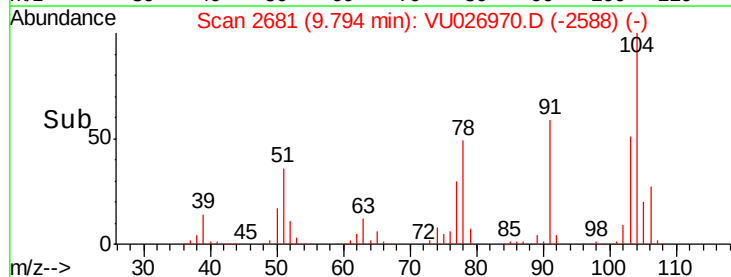
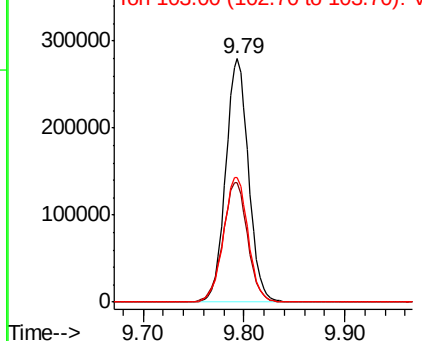


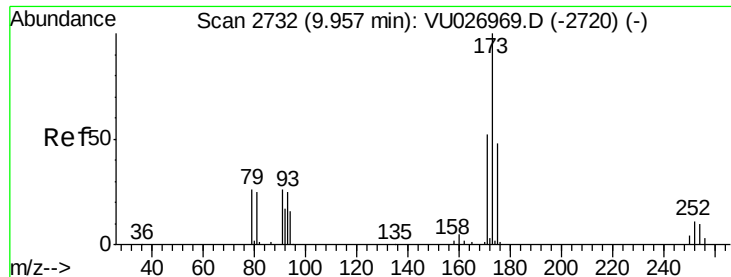
#70
Styrene
Concen: 119.300 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion:104 Resp: 442514
Ion Ratio Lower Upper
104 100
78 53.4 43.0 64.4
103 55.2 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 98.556 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

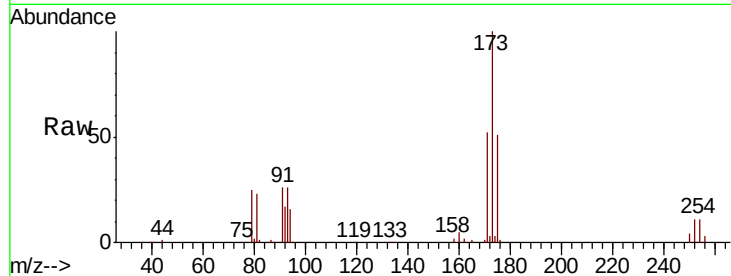
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.9	71.8
254	0.0	0.0	0.0

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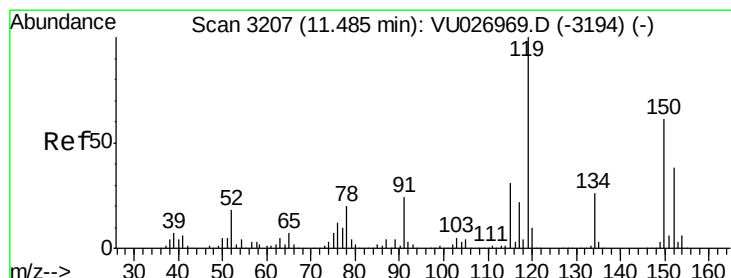
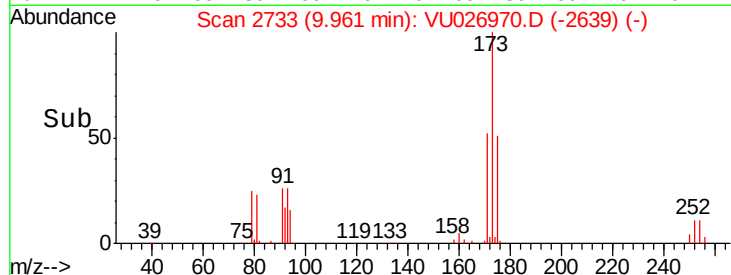
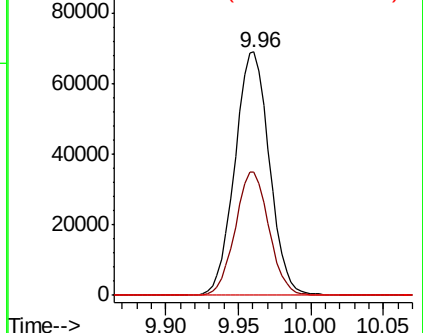


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

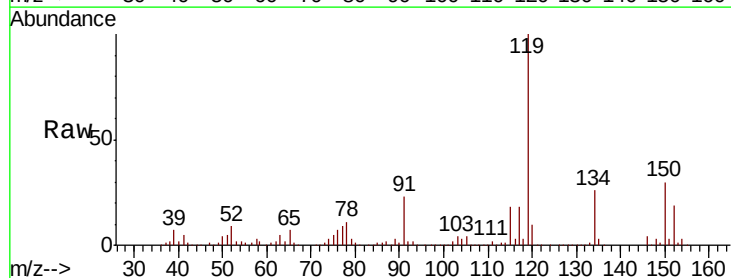
RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	114.4	44.9	134.5
150	192.7	0.0	355.8

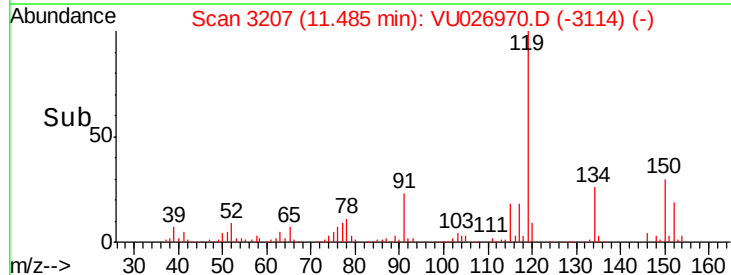
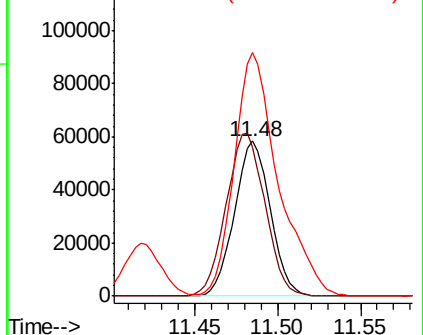


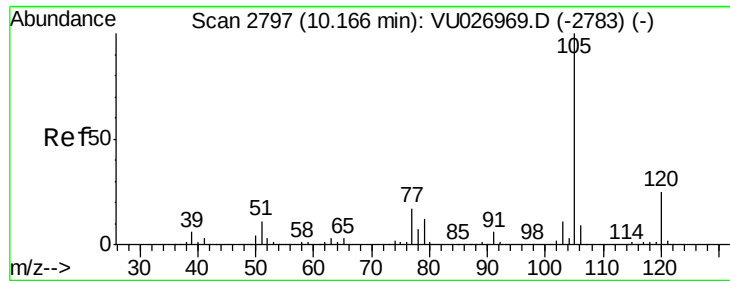
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 116.063 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 709445

Ion Ratio Lower Upper

105 100

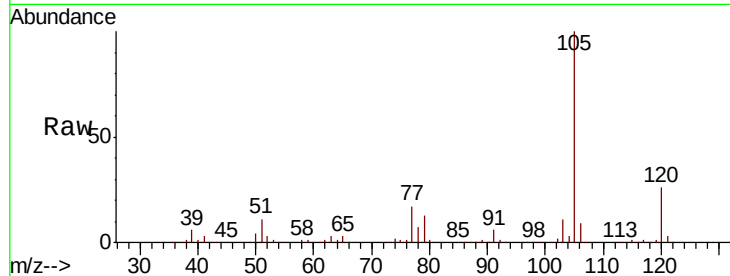
120 25.8 12.8 38.4

Manual Integrations

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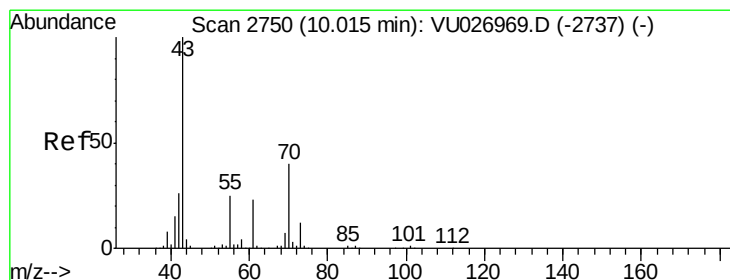
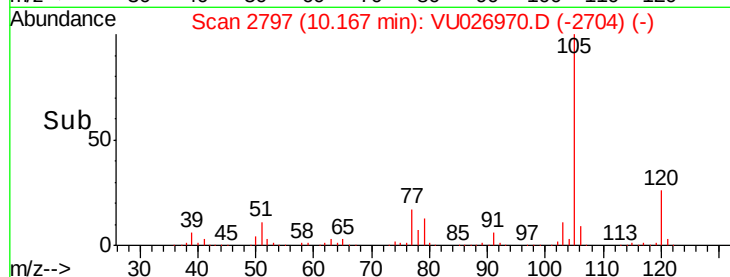
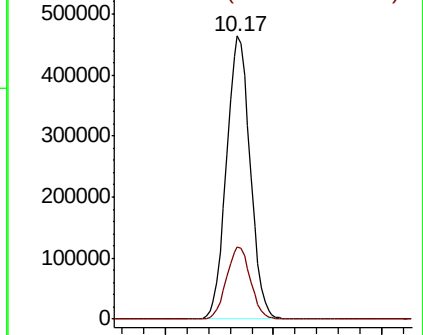
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 138.698 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Tgt Ion: 43 Resp: 413444

Ion Ratio Lower Upper

43 100

70 39.7 31.8 47.8

55 23.9 19.9 29.9

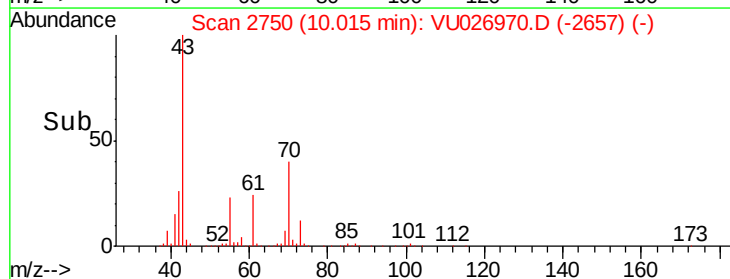
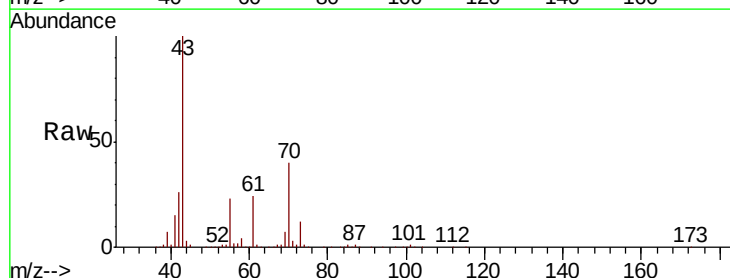
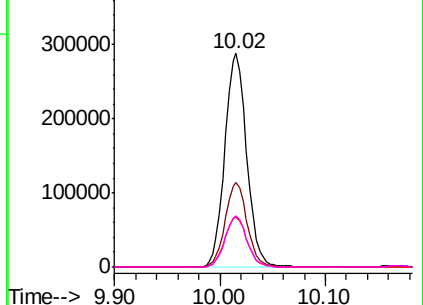
61 23.6 18.4 27.6

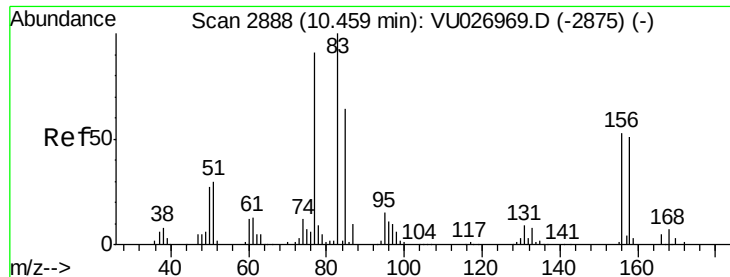
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 110.276 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

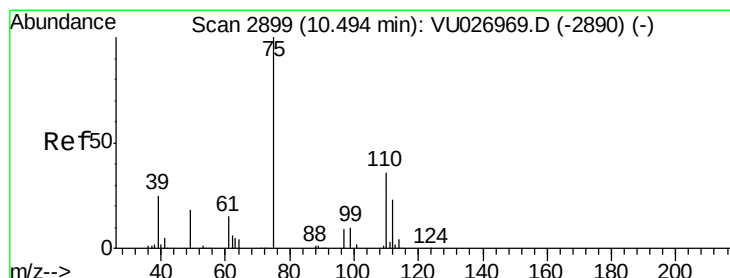
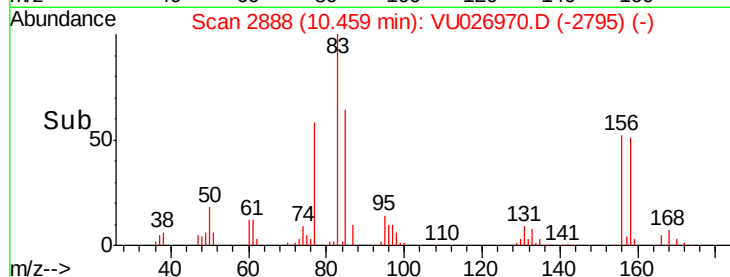
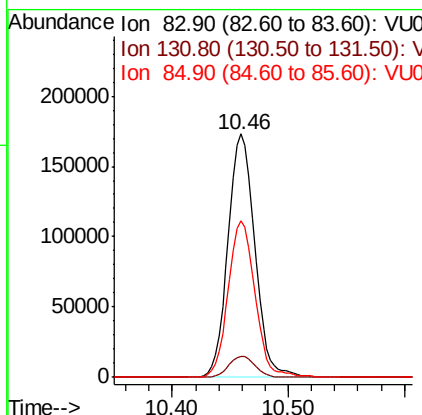
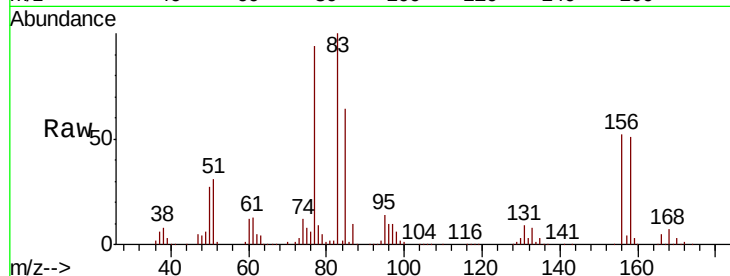
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	277846
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.3	12.8
85	64.1	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 122.701 ug/l m

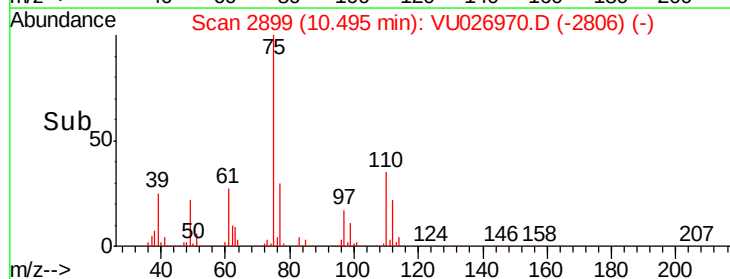
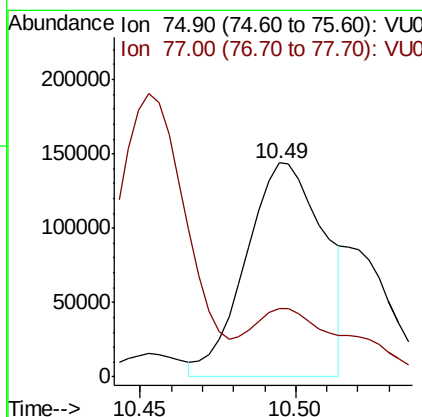
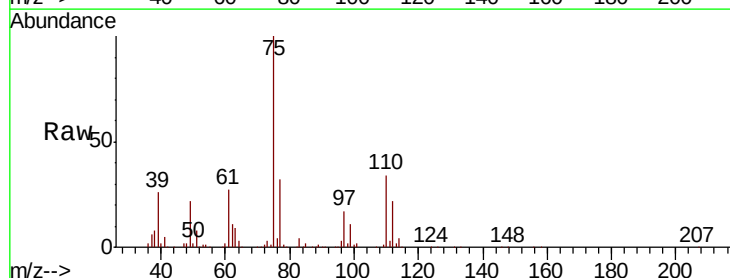
RT: 10.49 min Scan# 2899

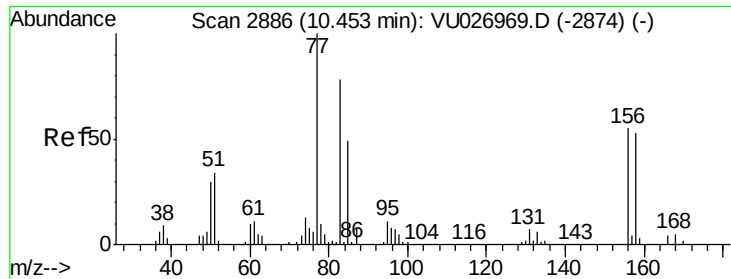
Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Tgt Ion:	75	Resp:	251542
Ion Ratio	Lower	Upper	
75	100		
77	40.0	20.9	62.8





#77

Bromobenzene

Concen: 98.891 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

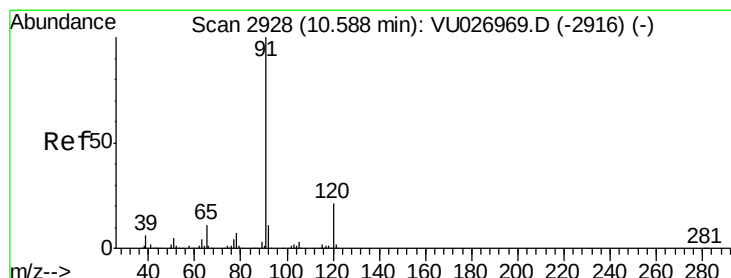
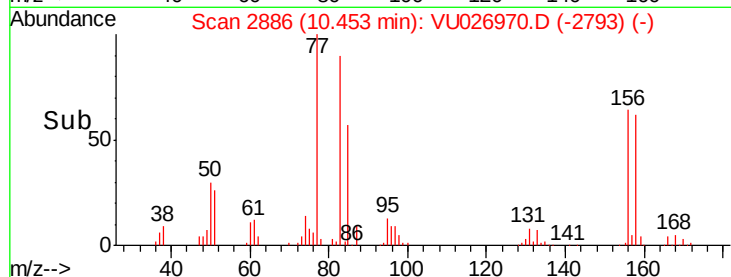
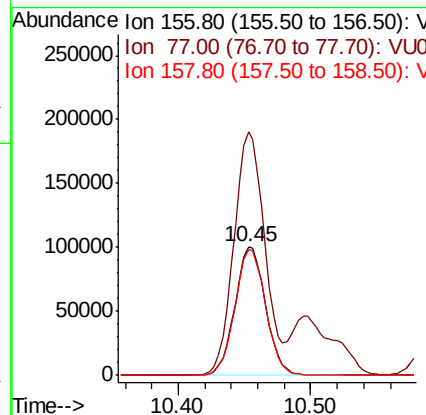
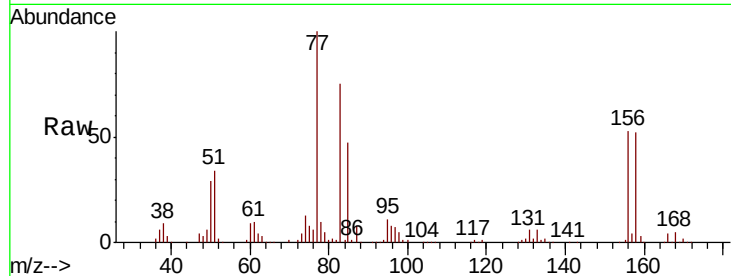
ClientSampled :

VSTDIC100

Tot Ion:	156	Resp:	160985
Ion Ratio	Lower	Upper	
156	100		
77	189.9	92.3	276.9
158	98.0	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 122.040 ug/l

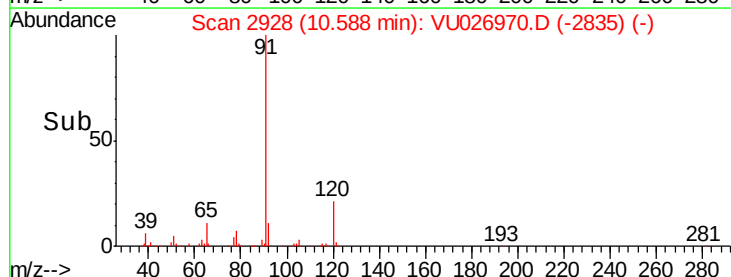
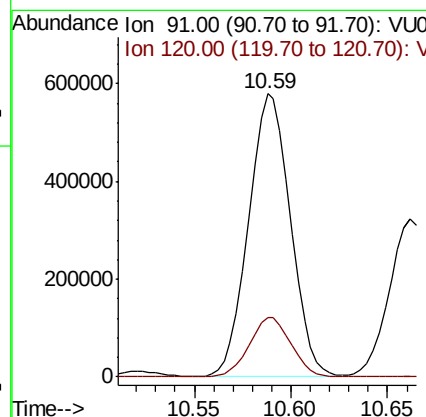
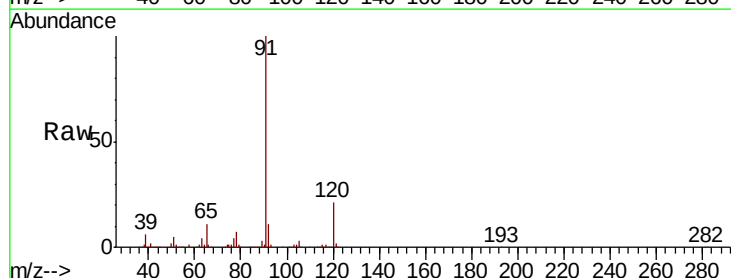
RT: 10.59 min Scan# 2928

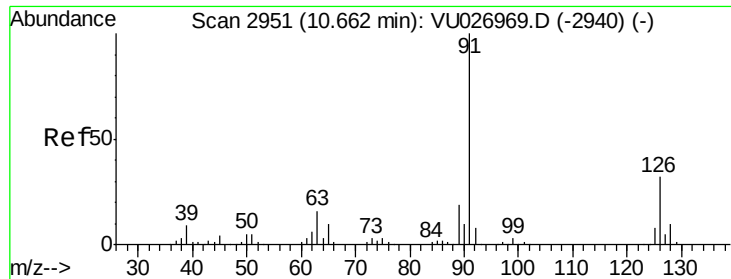
Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Tgt Ion:	91	Resp:	872680
Ion Ratio	Lower	Upper	
91	100		
120	21.0	10.6	31.8





#79

2-Chlorotoluene

Concen: 114.218 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 505371

Ion Ratio Lower Upper

91 100

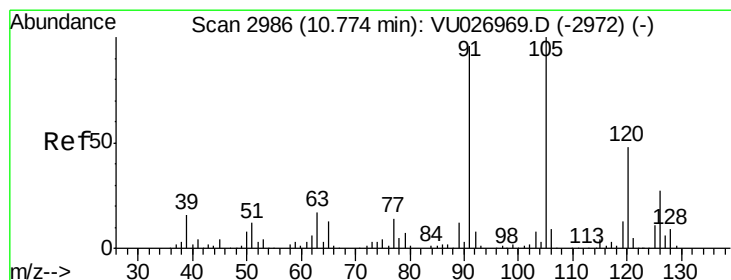
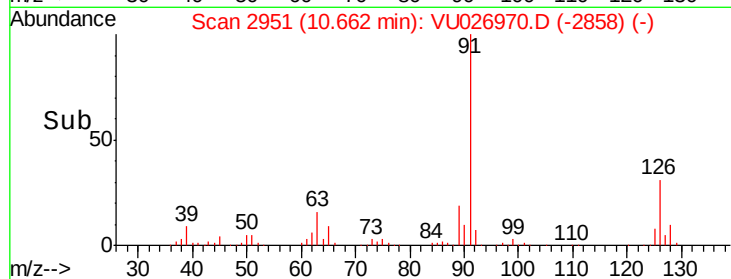
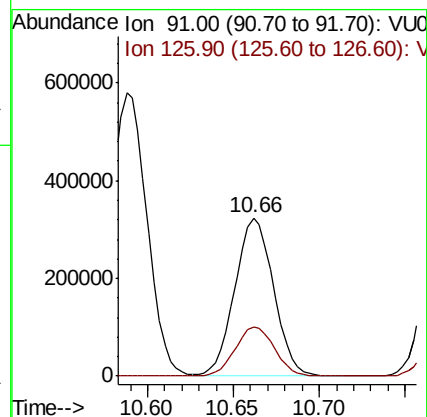
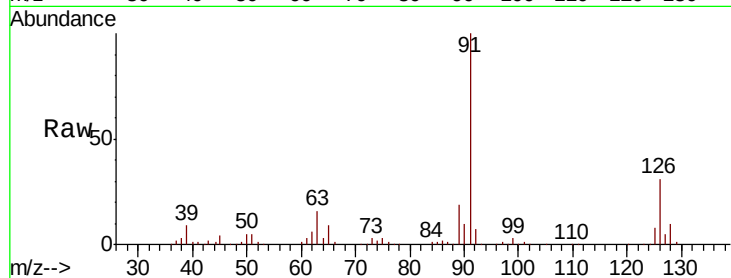
126 31.8 15.8 47.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 117.207 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026970.D

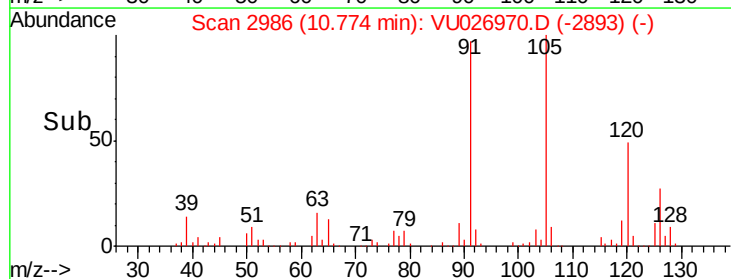
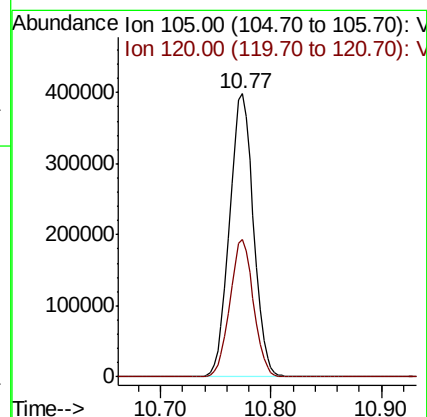
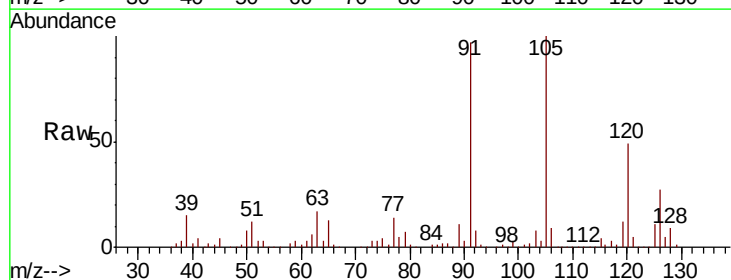
Acq: 21 Sep 2018 16:01

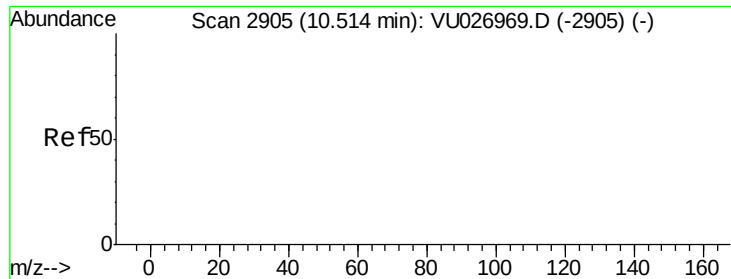
Tgt Ion: 105 Resp: 601070

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7





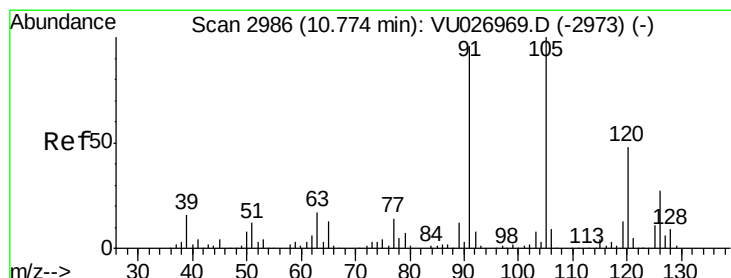
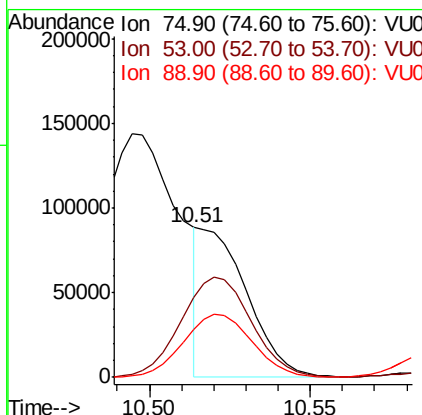
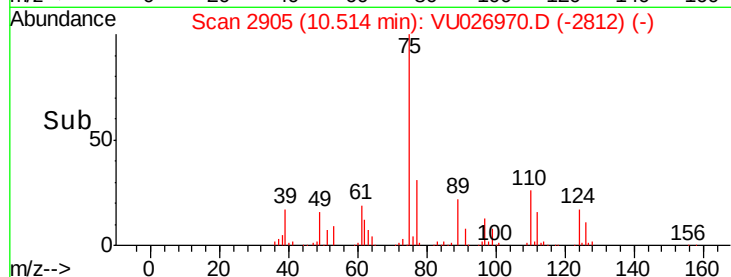
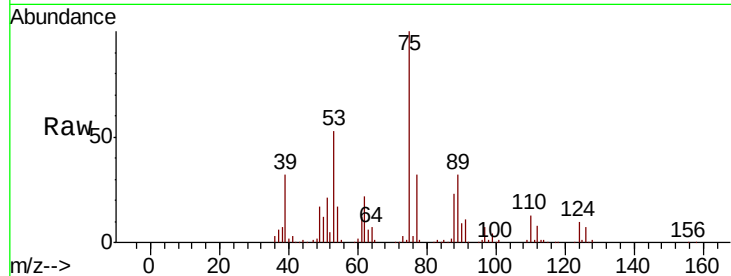
#81
trans-1,4-Dichloro-2-butene
Concen: 126.645 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

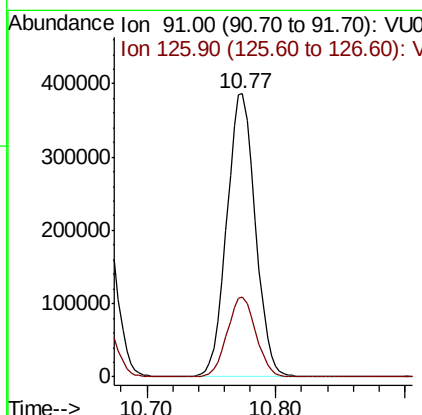
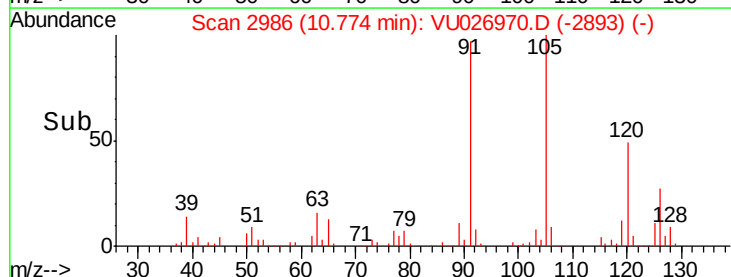
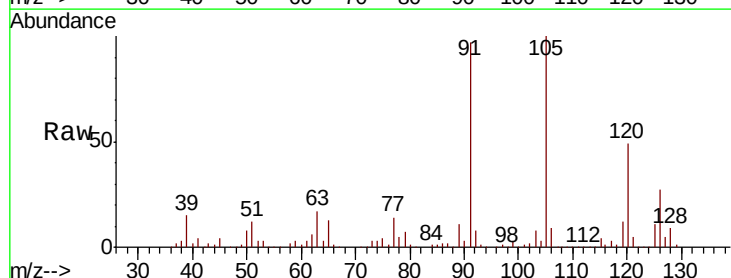
Manual Integrations
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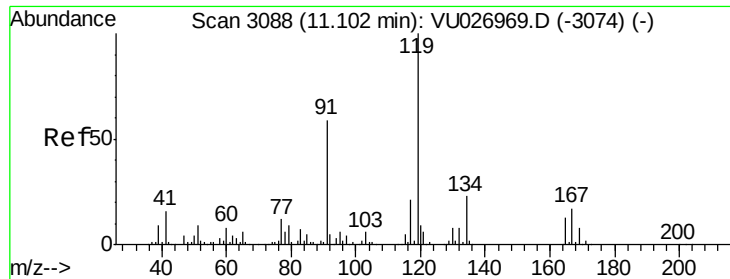
MMDadoda
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#82
4-Chlorotoluene
Concen: 118.973 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.2





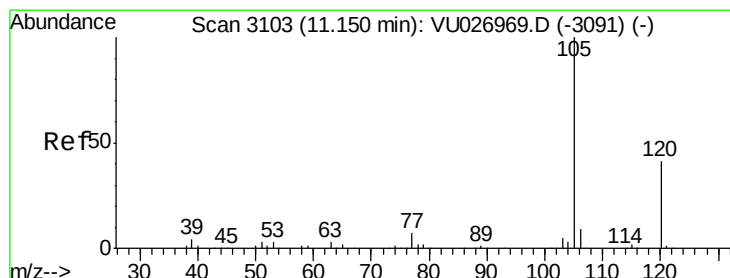
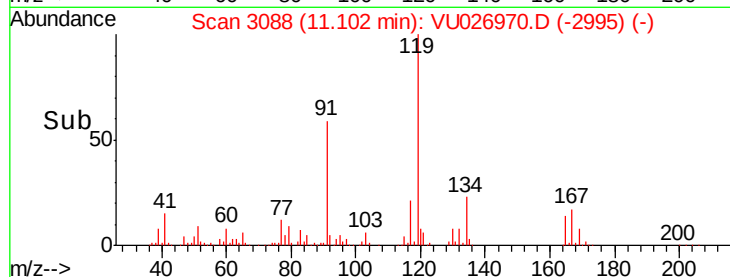
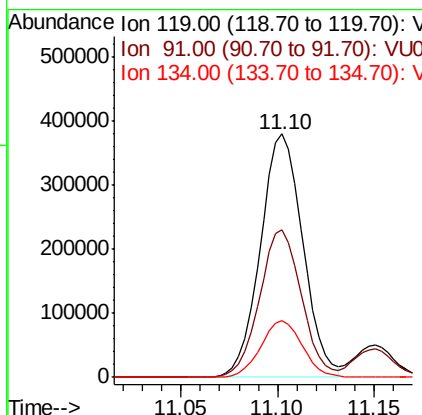
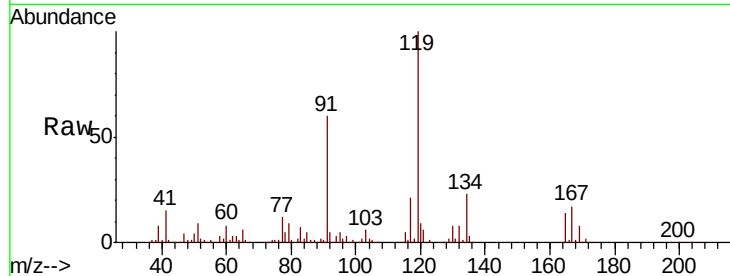
#83
 tert-Butylbenzene
 Concen: 111.953 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	577312		
91	60.0	29.8	89.4	
134	23.0	11.5	34.4	

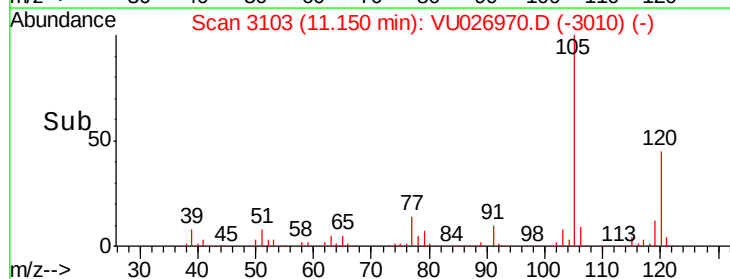
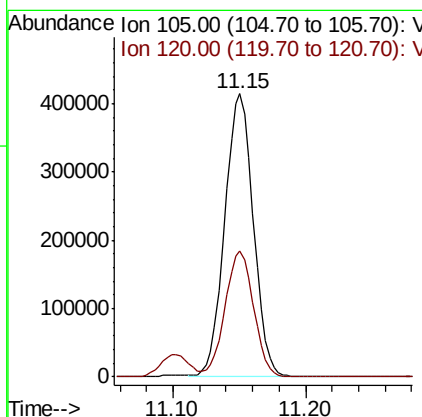
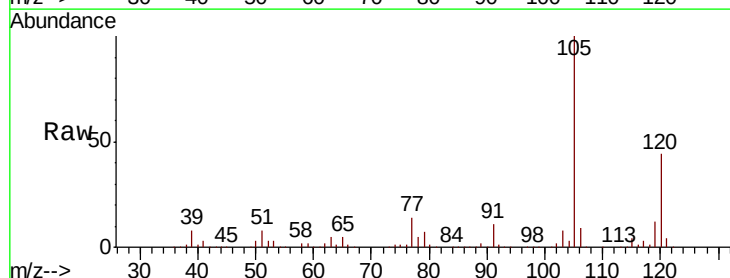
Manual Integrations
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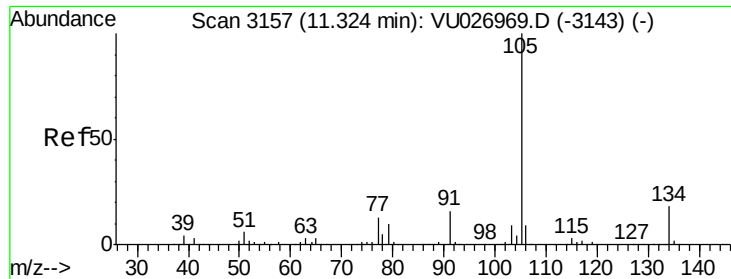
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 119.487 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	619271		
120	44.6	22.4	67.2	





#85

sec-Butylbenzene

Concen: 119.846 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 739542

Ion Ratio Lower Upper

105 100

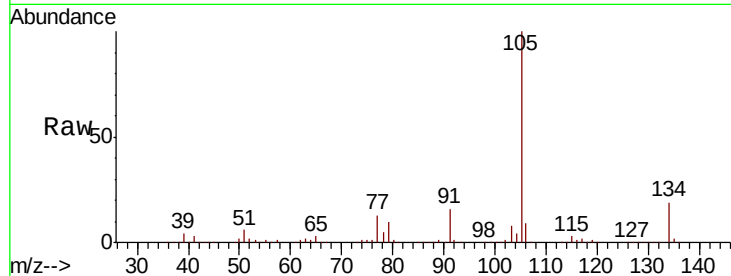
134 18.7 9.4 28.2

Manual Integrations

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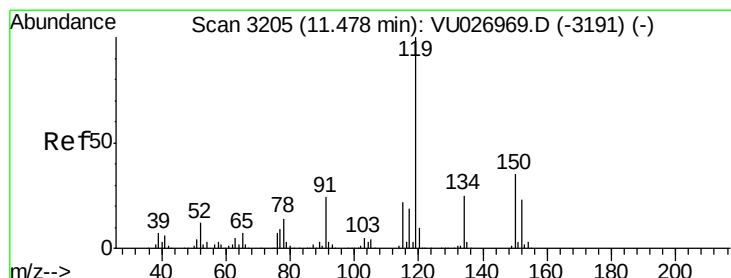
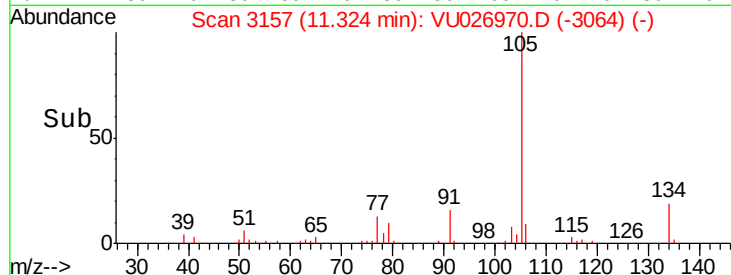
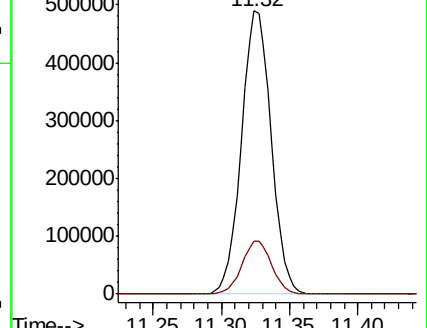
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 118.928 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU026970.D

Acq: 21 Sep 2018 16:01

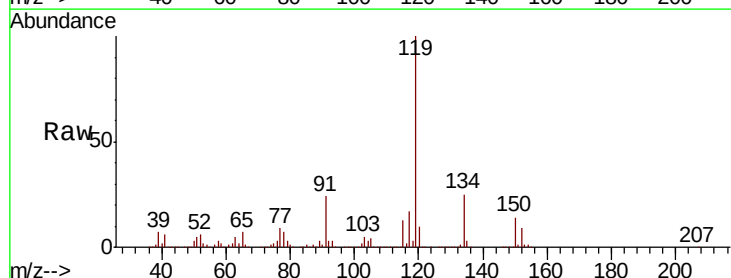
Tgt Ion:119 Resp: 636220

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

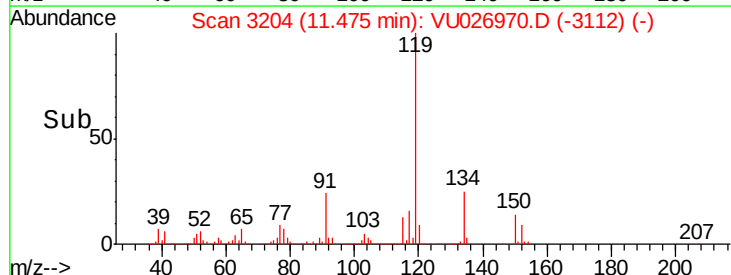
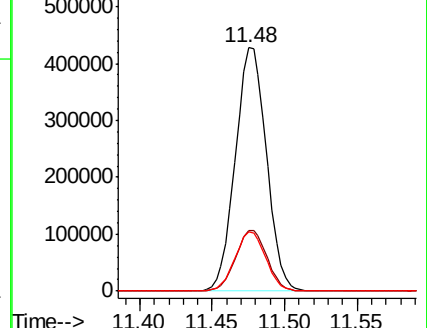
91 24.3 12.3 36.8

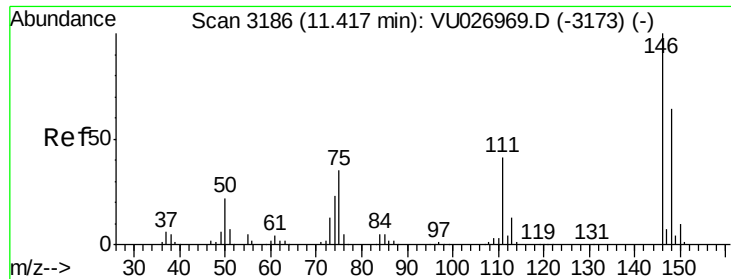


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





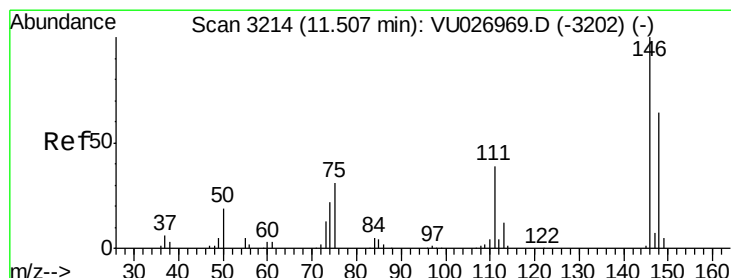
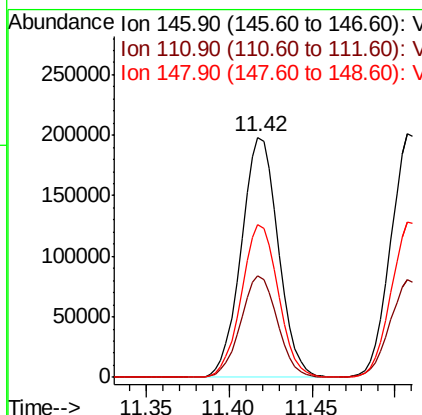
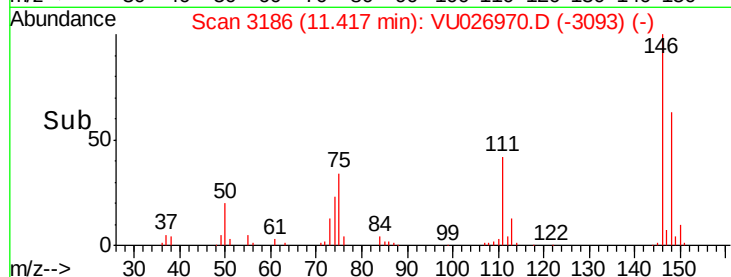
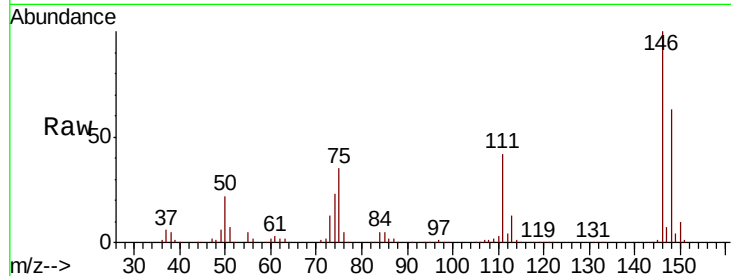
#87
 1,3-Dichlorobenzene
 Concen: 101.051 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.2
148	63.5	32.0	96.2

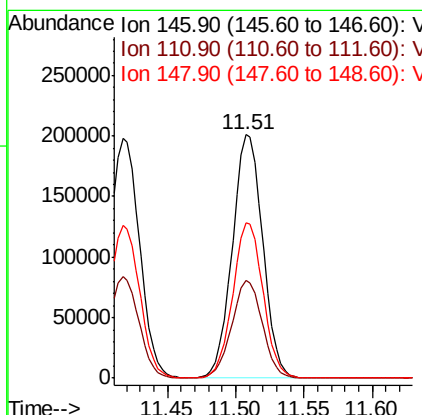
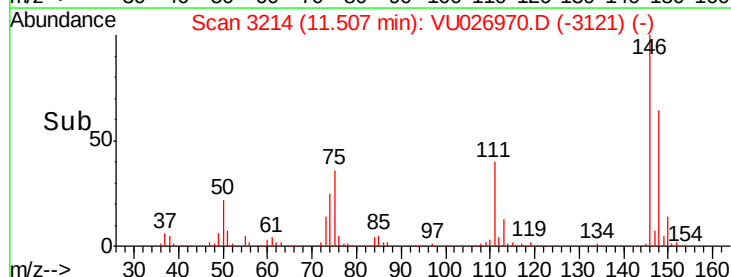
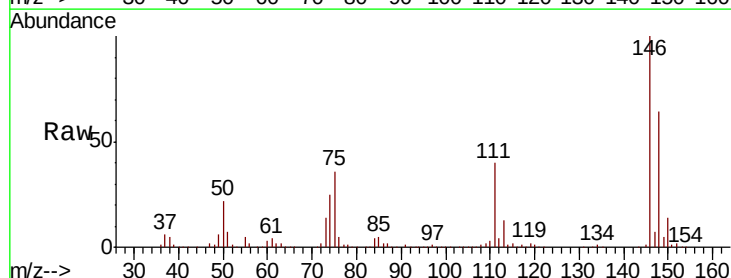
Manual Integrations
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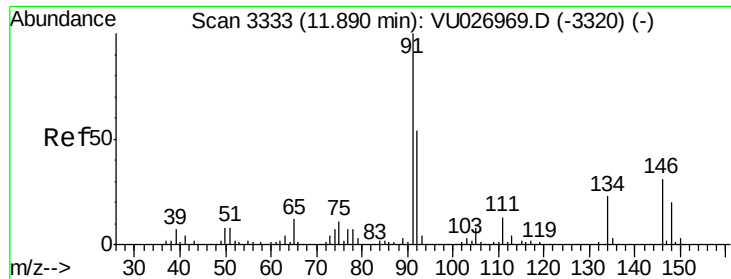
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#88
 1,4-Dichlorobenzene
 Concen: 98.243 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.9
148	63.4	31.9	95.9





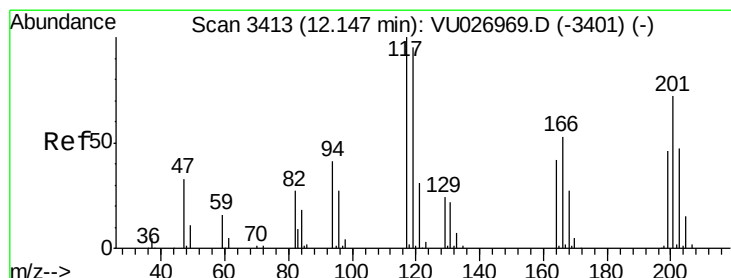
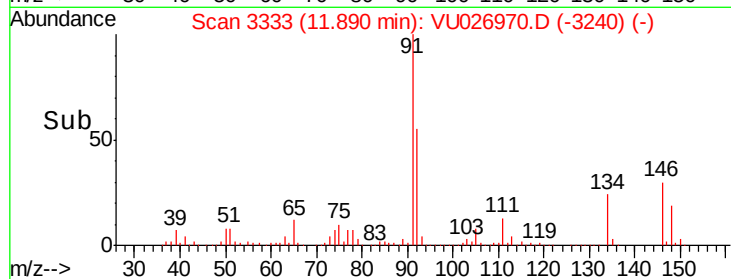
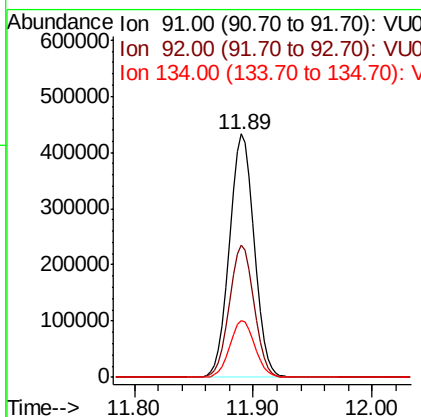
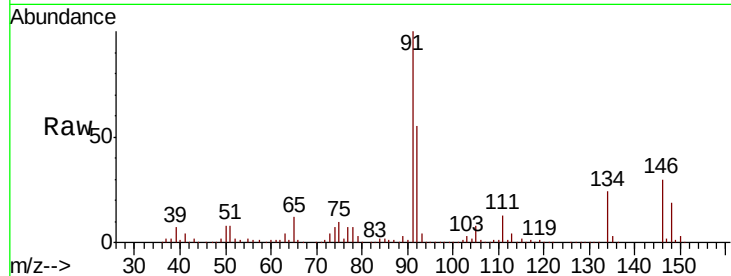
#89
n-Butylbenzene
Concen: 131.896 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	23.5	11.7	35.0

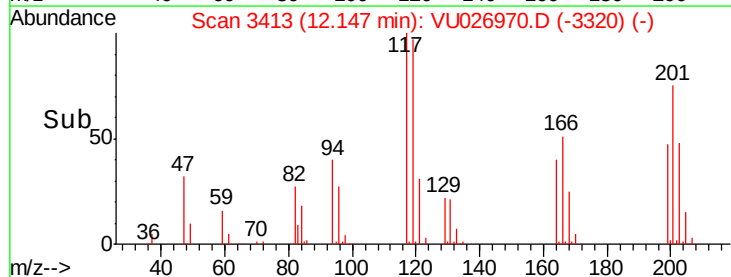
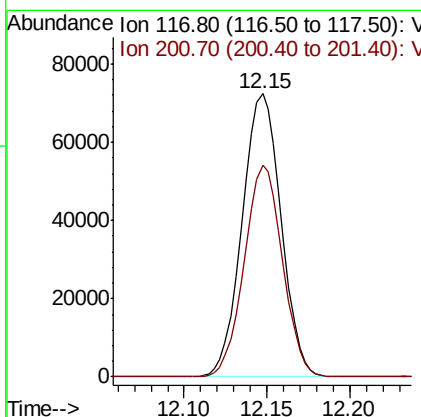
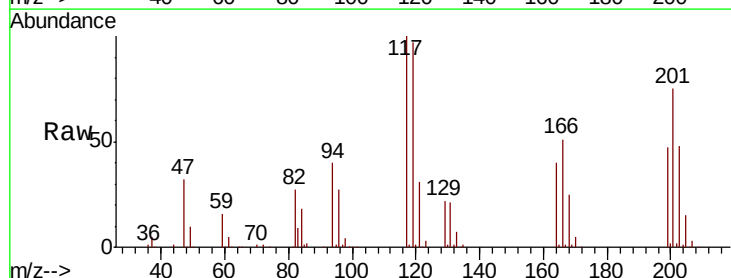
Manual Integrations
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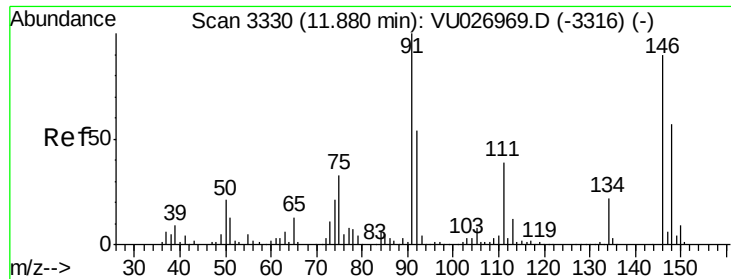
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#90
Hexachloroethane
Concen: 109.335 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.1	36.8	110.3





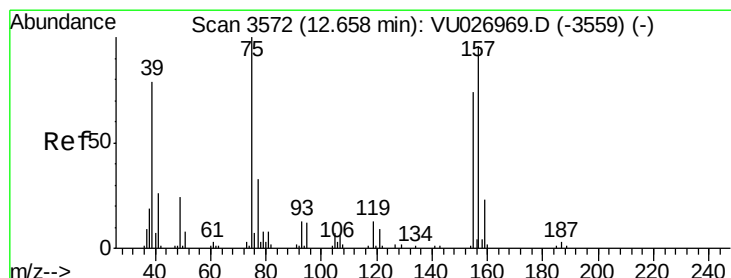
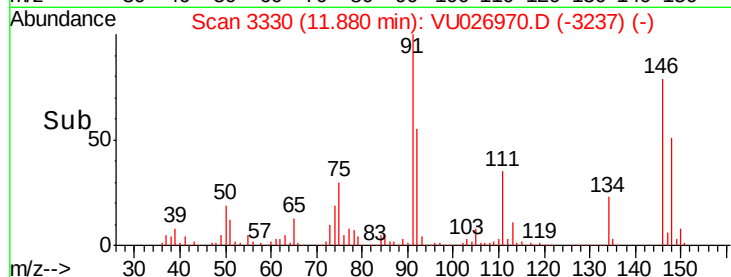
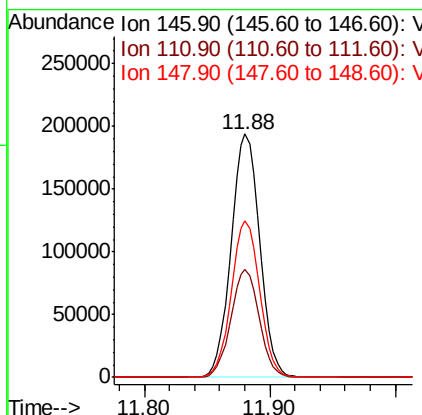
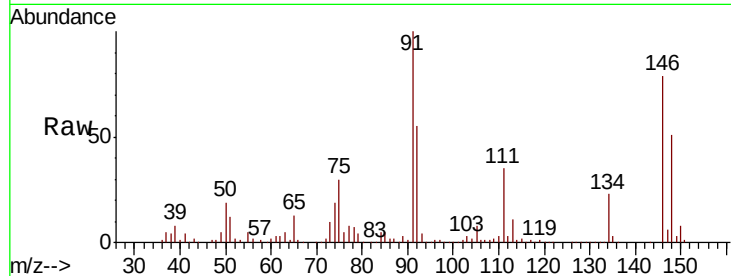
#91
 1,2-Dichlorobenzene
 Concen: 100.372 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	306534		
111	43.9	21.8	65.3	
148	63.9	31.9	95.7	

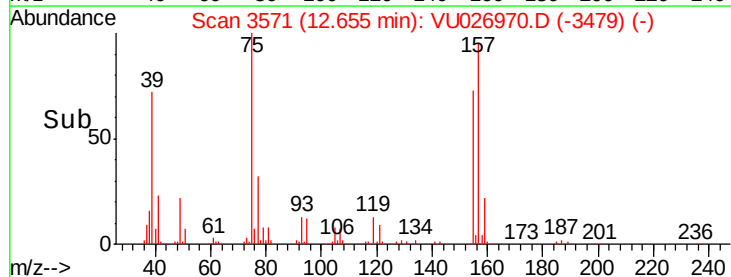
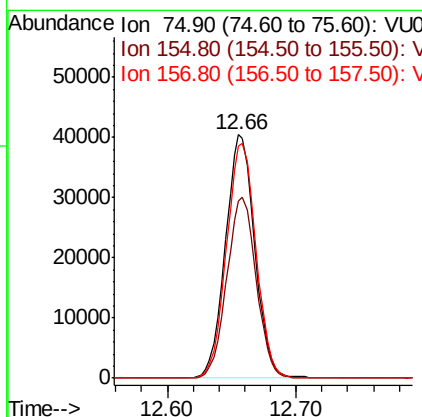
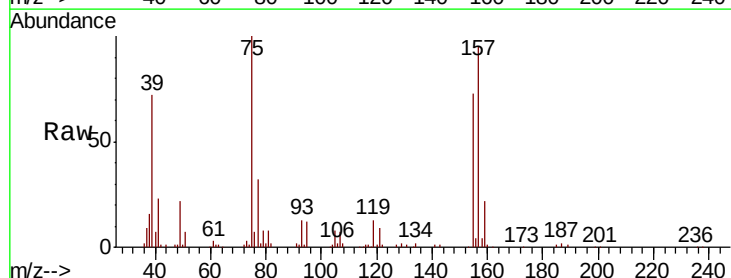
Manual Integrations
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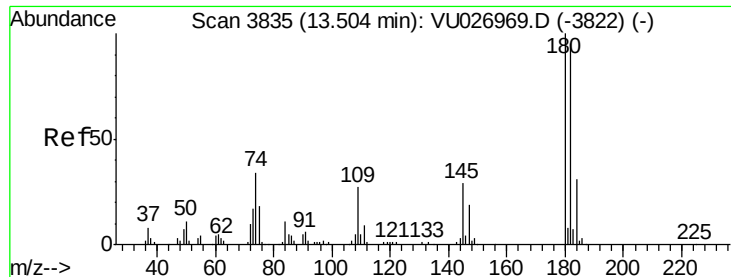
MMDadoda
 9/24/2018 2:14:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 126.370 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63823		
155	74.3	36.6	109.8	
157	96.8	47.4	142.2	





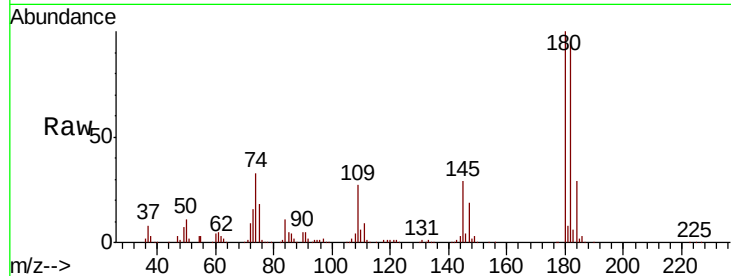
#93
 1,2,4-Trichlorobenzene
 Concen: 106.721 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

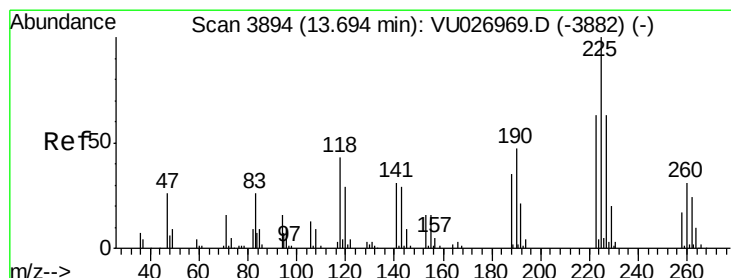
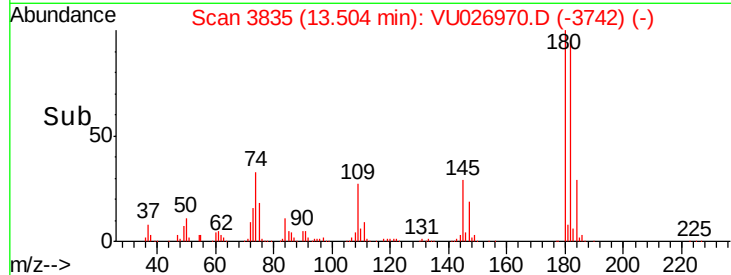
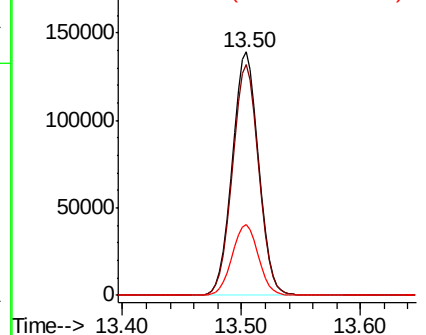
Tot Ion:	180	Resp:	213085
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.4	142.2
145	29.2	14.9	44.5

Manual Integrations
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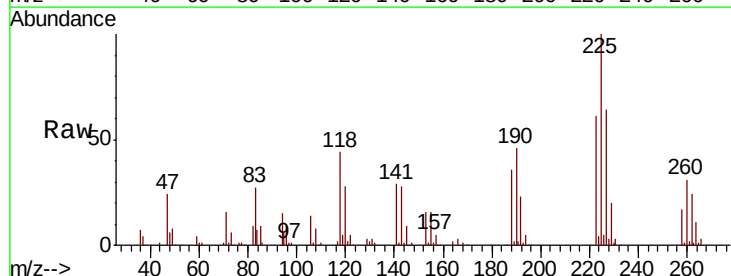


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

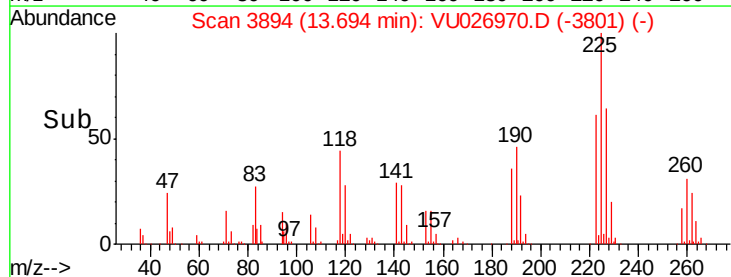
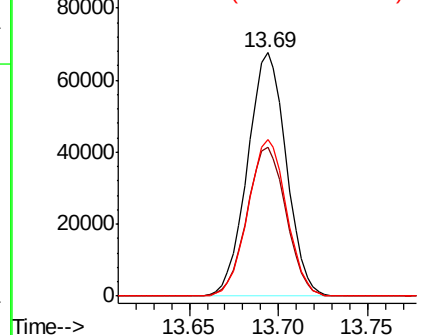


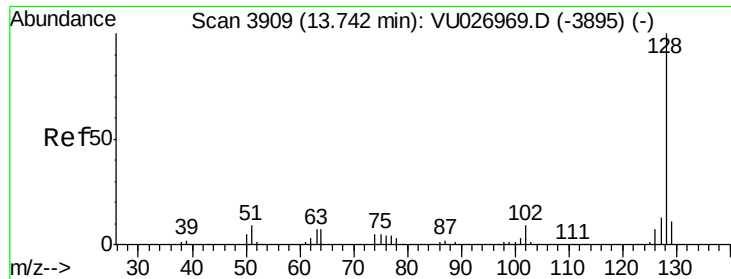
#94
 Hexachlorobutadiene
 Concen: 99.900 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026970.D
 Acq: 21 Sep 2018 16:01

Tgt Ion:	225	Resp:	102562
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.9	95.7
227	64.0	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





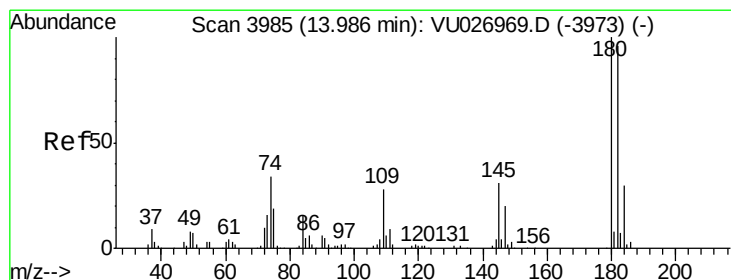
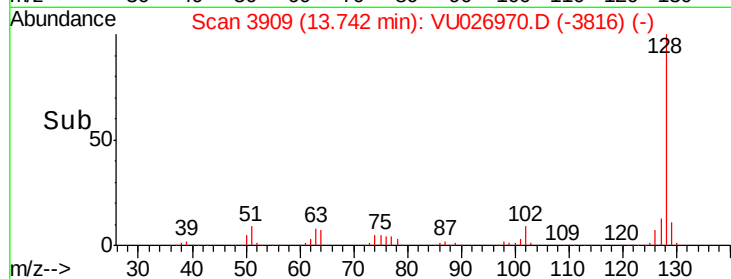
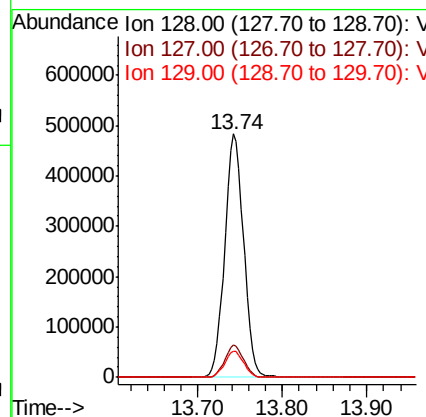
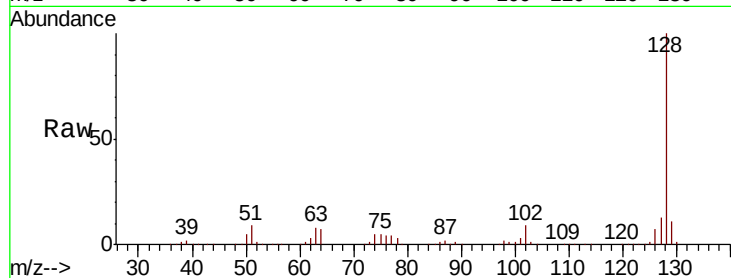
#95
Naphthalene
Concen: 122.161 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 103.632 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU026970.D
Acq: 21 Sep 2018 16:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.5
145	31.7	15.4	46.4

