

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070918\
 Data File : VU025272.D
 Acq On : 09 Jul 2018 14:03
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:16 PM

Quant Time: Jul 10 01:40:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 01:16:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	156565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	230029	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	211518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	114183	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	13274	5.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	10.92%		
35) Dibromofluoromethane	4.89	113	9838	5.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	10.14%		
50) Toluene-d8	7.57	98	34465	5.19	ug/l	0.00
Spiked Amount 50.000			Recovery =	10.38%		
62) 4-Bromofluorobenzene	10.31	95	12520	4.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	9.36%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	8433	5.20	ug/l	98
3) Chloromethane	1.33	50	8744	4.77	ug/l	100
4) Vinyl Chloride	1.40	62	8419	4.73	ug/l	97
5) Bromomethane	1.62	94	7391	5.68	ug/l	95
6) Chloroethane	1.70	64	7012	5.65	ug/l	96
7) Trichlorofluoromethane	1.89	101	14089	5.03	ug/l	100
8) Diethyl Ether	2.10	74	5190	4.94	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	8518	4.91	ug/l	98
10) Methyl Iodide	2.41	142	5796	3.46	ug/l	97
11) Tert butyl alcohol	2.83	59	14307	24.00	ug/l	98
12) 1,1-Dichloroethene	2.28	96	7777	4.90	ug/l	92
13) Acrolein	2.20	56	9286	25.08	ug/l	95
14) Allyl chloride	2.60	41	15336	5.33	ug/l	94
15) Acrylonitrile	2.94	53	27055	24.80	ug/l	98
16) Acetone	2.32	43	32575	24.80	ug/l	98
17) Carbon Disulfide	2.48	76	23153	4.71	ug/l	98
18) Methyl Acetate	2.62	43	11699	4.70	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	29415	4.87	ug/l	96
20) Methylene Chloride	2.70	84	10552	4.89	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	8948	4.93	ug/l	97
22) Diisopropyl ether	3.57	45	29132	4.96	ug/l	95
23) Vinyl Acetate	3.53	43	124425	24.13	ug/l	100
24) 1,1-Dichloroethane	3.45	63	16552	4.99	ug/l	99
25) 2-Butanone	4.27	43	40894	24.26	ug/l	98
26) 2,2-Dichloropropane	4.23	77	15802	4.96	ug/l	93
27) cis-1,2-Dichloroethene	4.23	96	10238	4.88	ug/l	100
28) Bromochloromethane	4.55	49	8241	5.15	ug/l #	95
29) Tetrahydrofuran	4.64	42	25244	24.96	ug/l	97
30) Chloroform	4.68	83	17306	4.93	ug/l	94
31) Cyclohexane	5.00	56	17637	4.79	ug/l #	88
32) 1,1,1-Trichloroethane	4.92	97	14573	4.58	ug/l	97
36) 1,1-Dichloropropene	5.14	75	12923	5.05	ug/l	97
37) Ethyl Acetate	4.39	43	13736	4.82	ug/l	99
38) Carbon Tetrachloride	5.14	117	12914	4.69	ug/l	98

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 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	6.42	83	15471	4.85	ug/l	100
40) Benzene	5.39	78	37275	5.06	ug/l	99
41) Methacrylonitrile	4.55	41	7940	5.02	ug/l #	91
42) 1,2-Dichloroethane	5.41	62	14523	4.96	ug/l	97
43) Isopropyl Acetate	5.55	43	22463	4.92	ug/l	97
44) Trichloroethene	6.19	130	9975	4.71	ug/l	97
45) 1,2-Dichloropropane	6.44	63	9350	4.84	ug/l	92
46) Dibromomethane	6.56	93	6496	4.62	ug/l	96
47) Bromodichloromethane	6.76	83	12123	4.65	ug/l	99
48) Methyl methacrylate	6.63	41	11217	4.93	ug/l	97
49) 1,4-Dioxane	6.62	88	5683	103.73	ug/l	90
51) 4-Methyl-2-Pentanone	7.46	43	71237	24.00	ug/l	100
52) Toluene	7.64	92	22633	4.83	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	13263	4.63	ug/l	93
54) cis-1,3-Dichloropropene	7.27	75	14406	4.72	ug/l	96
55) 1,1,2-Trichloroethane	8.08	97	9125	4.67	ug/l	97
56) Ethyl methacrylate	8.02	69	14447	4.74	ug/l	98
57) 1,3-Dichloropropane	8.25	76	15985	4.93	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	21847	20.30	ug/l	97
59) 2-Hexanone	8.36	43	55758	23.16	ug/l	99
60) Dibromochloromethane	8.48	129	9379	4.45	ug/l	97
61) 1,2-Dibromoethane	8.59	107	9928	4.75	ug/l	99
64) Tetrachloroethene	8.23	164	10036	5.21	ug/l	94
65) Chlorobenzene	9.12	112	26811	5.07	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	8959	4.74	ug/l	97
67) Ethyl Benzene	9.26	91	43949	4.88	ug/l	99
68) m/p-Xylenes	9.38	106	34204	9.82	ug/l	98
69) o-Xylene	9.78	106	16686	4.79	ug/l	97
70) Styrene	9.80	104	25932	4.68	ug/l	97
71) Bromoform	9.96	173	6795	4.16	ug/l #	94
73) Isopropylbenzene	10.17	105	45922	5.26	ug/l	98
74) N-amyl acetate	10.02	43	19050	5.03	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	14506	5.08	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	12940m	5.02	ug/l	
77) Bromobenzene	10.46	156	11430	5.12	ug/l	98
78) n-propylbenzene	10.59	91	49850	5.15	ug/l	99
79) 2-Chlorotoluene	10.66	91	31516	5.20	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	37171	5.06	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	4493m	4.79	ug/l	
82) 4-Chlorotoluene	10.78	91	34859	5.09	ug/l	100
83) tert-Butylbenzene	11.10	119	37247	5.02	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	37098	4.93	ug/l	98
85) sec-Butylbenzene	11.33	105	44905	5.14	ug/l	99
86) p-Isopropyltoluene	11.48	119	37589	4.86	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	20797	5.10	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	21152	5.05	ug/l	93
89) n-Butylbenzene	11.89	91	29331	4.61	ug/l	97
90) Hexachloroethane	12.15	117	6059	4.63	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	21130	5.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	3268	4.72	ug/l	93

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MSVOA_U
ClientSampleId :
VSTDICC005

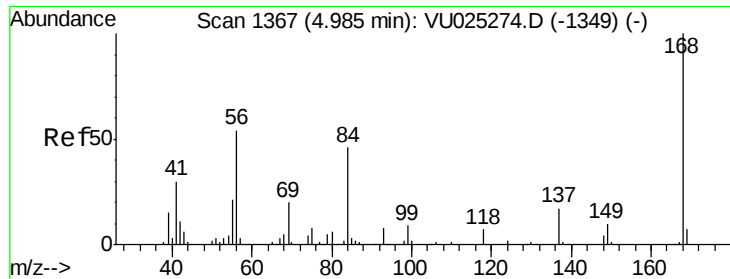
Manual Integrations
APPROVED

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7/10/2018 2:33:16 PM

Quant Time: Jul 10 01:40:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 01:16:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	10984	4.07	ug/l	97
94) Hexachlorobutadiene	13.70	225	7417	5.03	ug/l	99
95) Naphthalene	13.75	128	33198	3.58	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	11950	4.11	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 156565

Ion Ratio Lower Upper

168 100

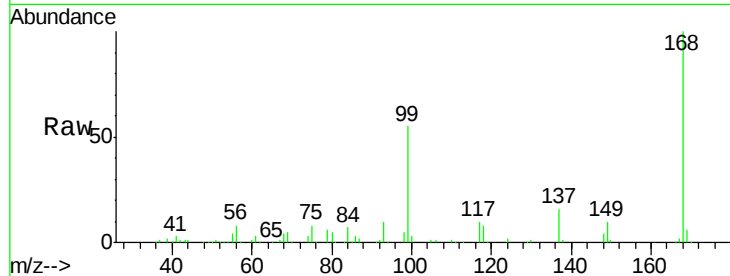
99 54.5 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025274.D

Ion 98.90 (98.60 to 99.60): VU025274.D

80000

60000

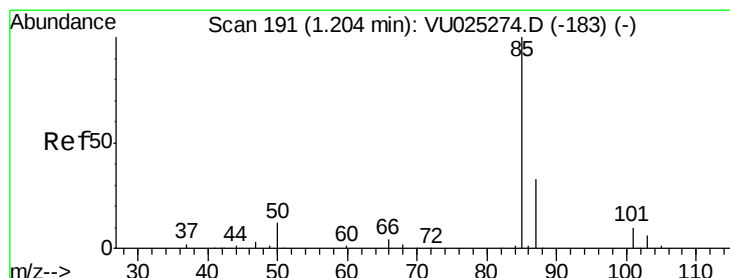
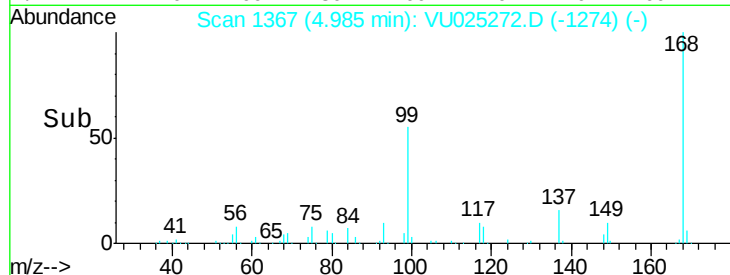
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 5.20 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025272.D

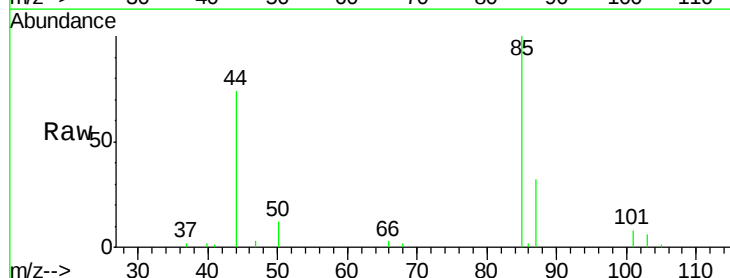
Acq: 09 Jul 2018 14:03

Tgt Ion: 85 Resp: 8433

Ion Ratio Lower Upper

85 100

87 32.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D

Ion 86.90 (86.60 to 87.60): VU025274.D

8000

6000

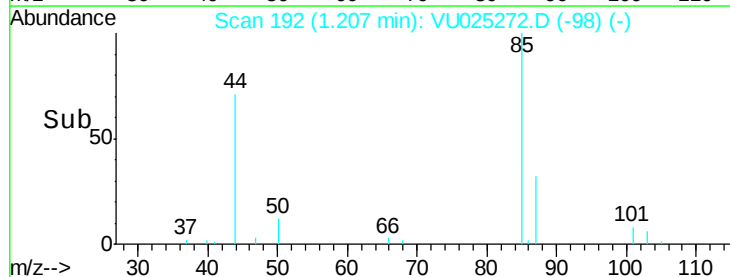
4000

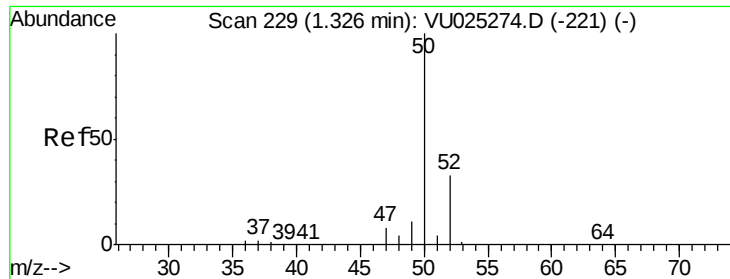
2000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 4.77 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 8744

Ion Ratio Lower Upper

50 100

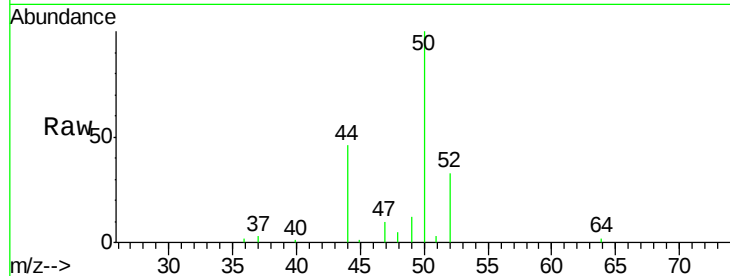
52 33.0 26.5 39.7

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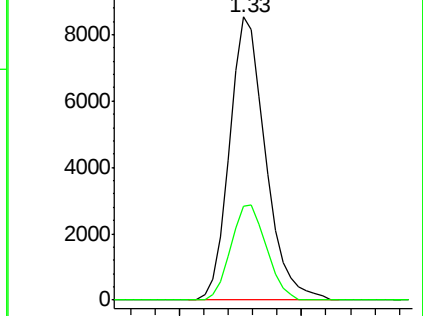
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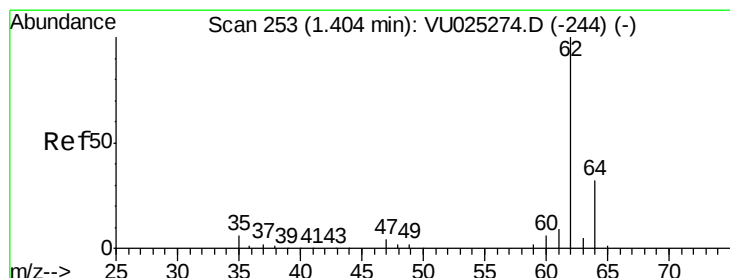
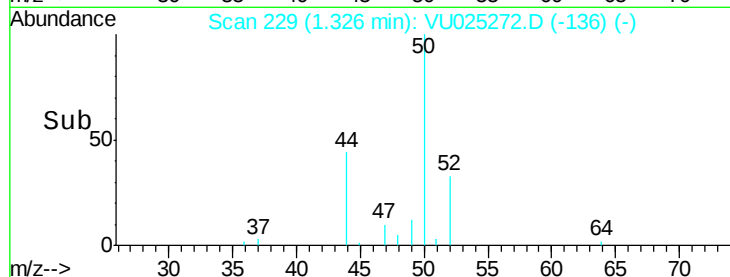


Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



Time-->



#4

Vinyl Chloride

Concen: 4.73 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025272.D

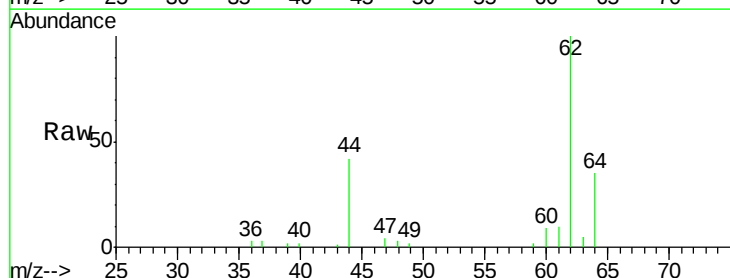
Acq: 09 Jul 2018 14:03

Tgt Ion: 62 Resp: 8419

Ion Ratio Lower Upper

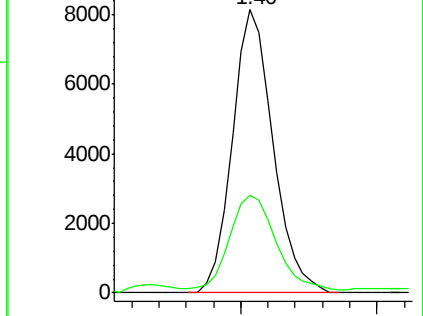
62 100

64 33.5 25.4 38.0

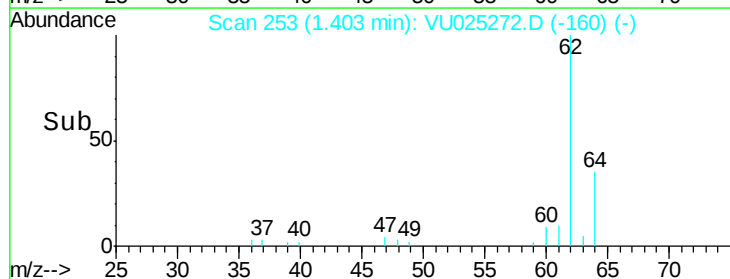


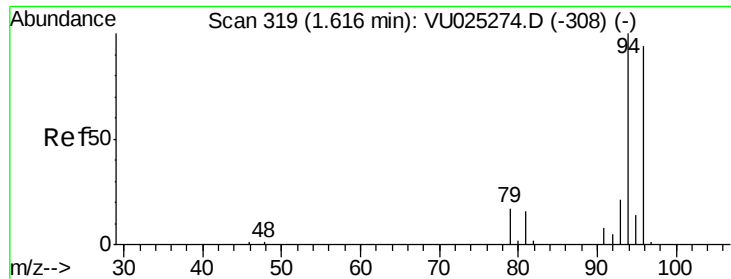
Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->





#5

Bromomethane

Concen: 5.68 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7391

Ion Ratio Lower Upper

94 100

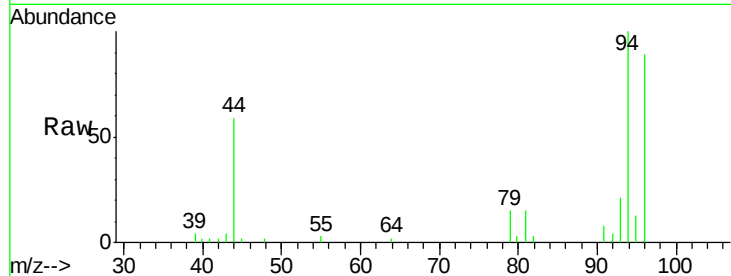
96 88.7 75.0 112.4

Manual Integrations

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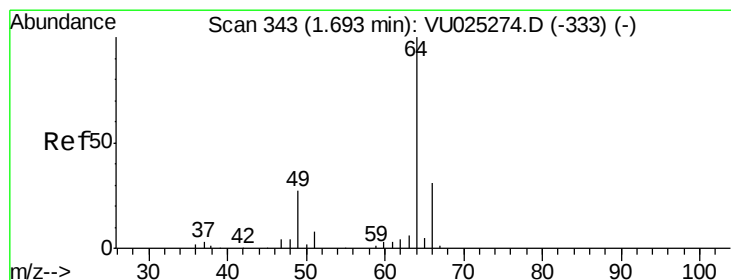
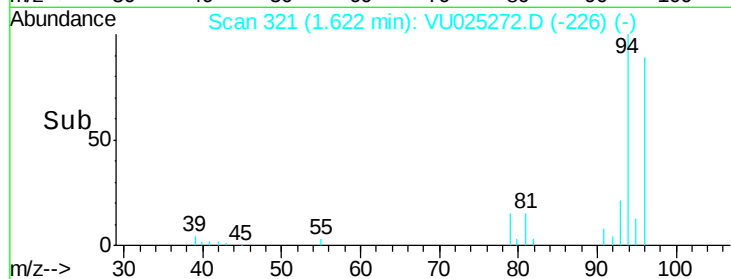
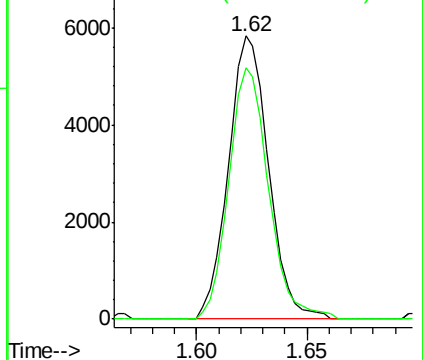
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 5.65 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025272.D

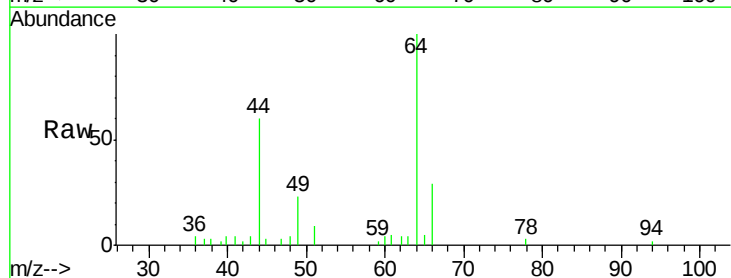
Acq: 09 Jul 2018 14:03

Tgt Ion: 64 Resp: 7012

Ion Ratio Lower Upper

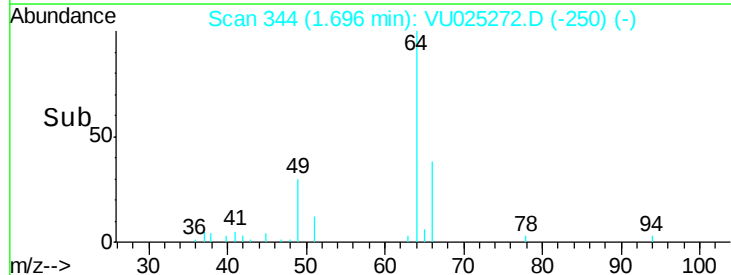
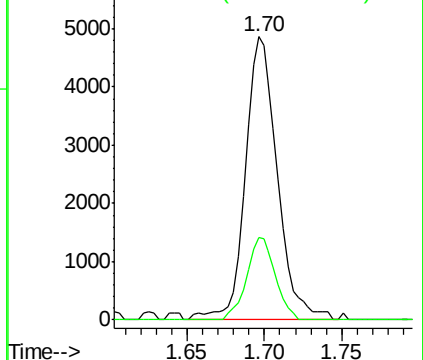
64 100

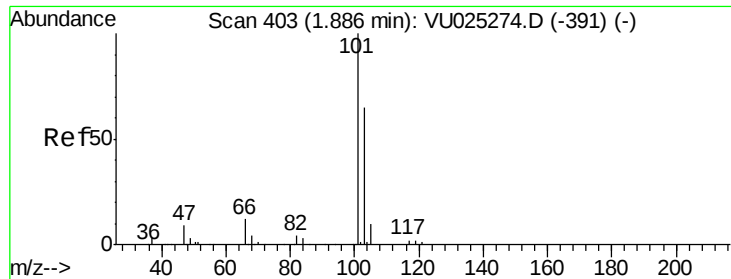
66 29.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

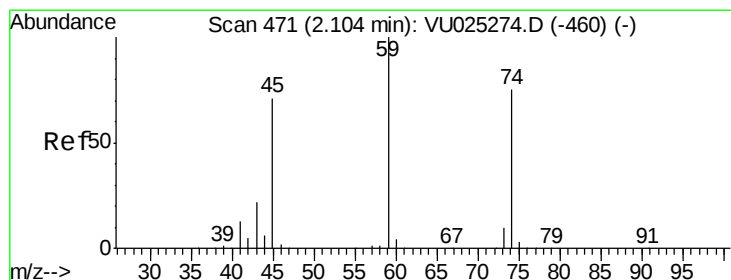
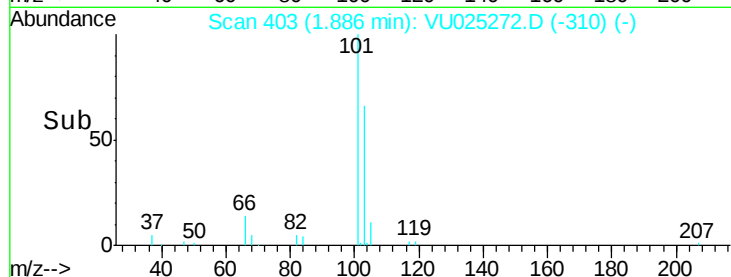
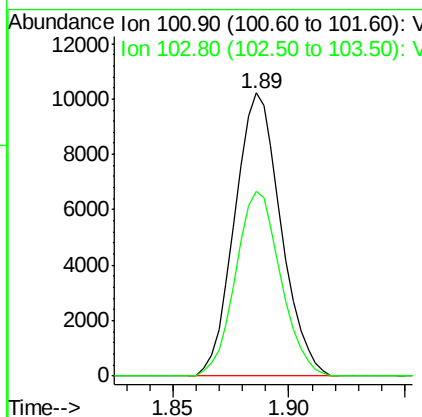
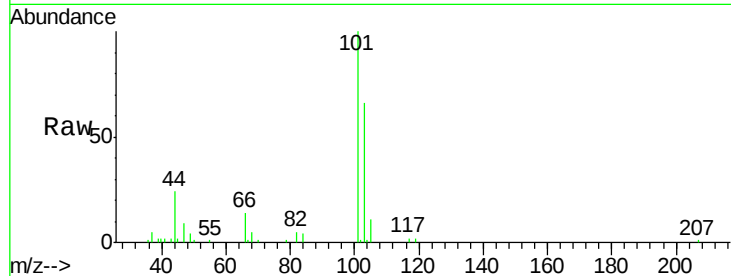
Trichlorofluoromethane
Concen: 5.03 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.2

Manual Integrations
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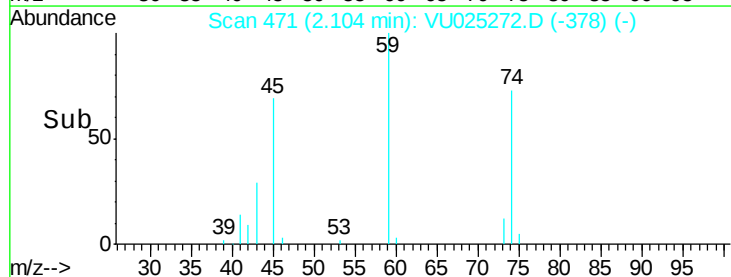
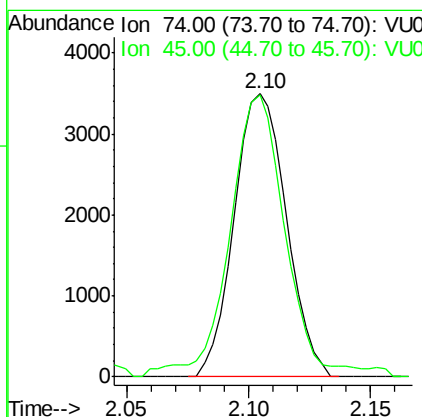
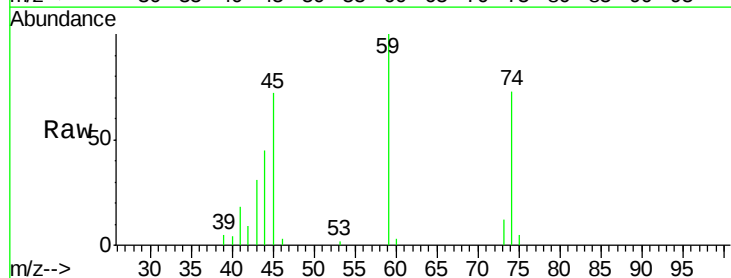
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7/10/2018 2:33:16 PM

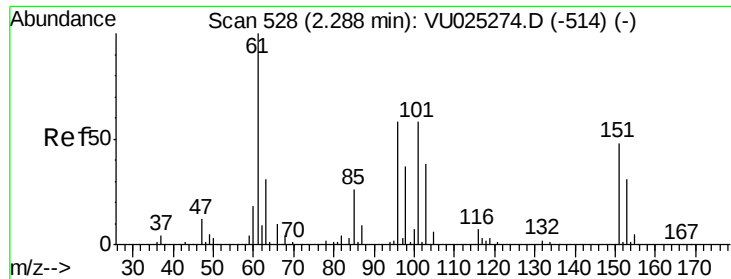


#8

Diethyl Ether
Concen: 4.94 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.8	48.3	144.9





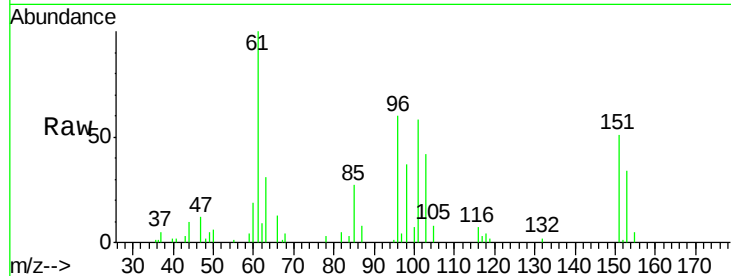
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.91 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
101	100	8518		
85	46.3	36.0	54.0	
151	83.3	65.6	98.4	

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7/10/2018 2:33:16 PM

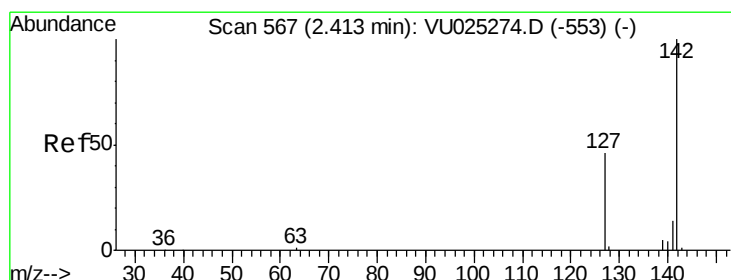
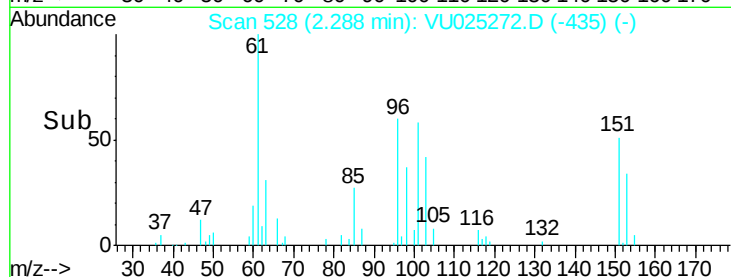
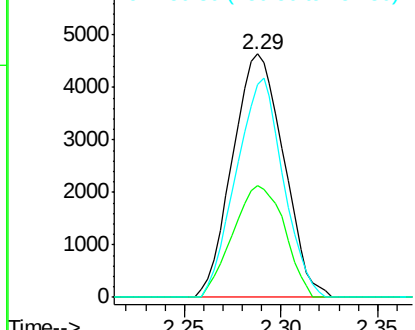


Abundance

Ion 100.90 (100.60 to 101.60): V

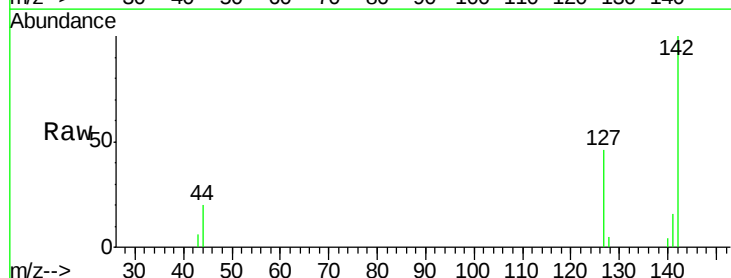
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 3.46 ug/l
RT: 2.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	5796		
127	47.8	36.5	54.7	
141	13.9	11.4	17.2	

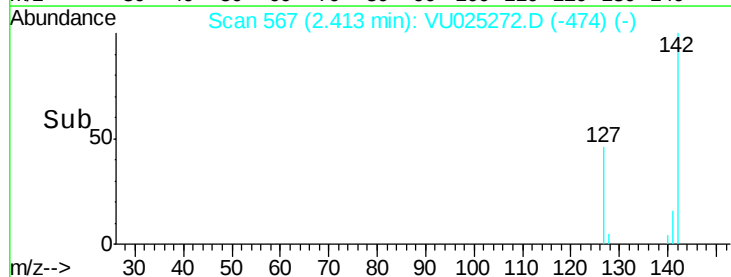
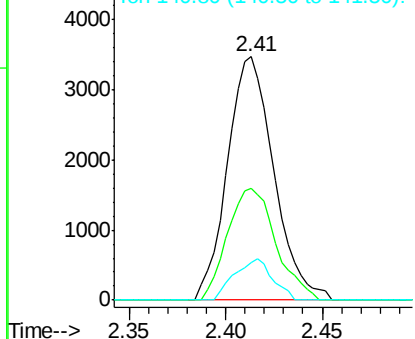


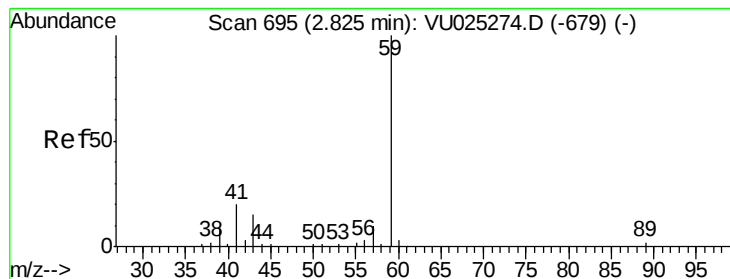
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

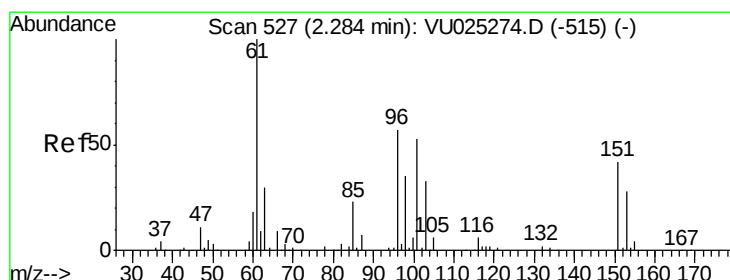
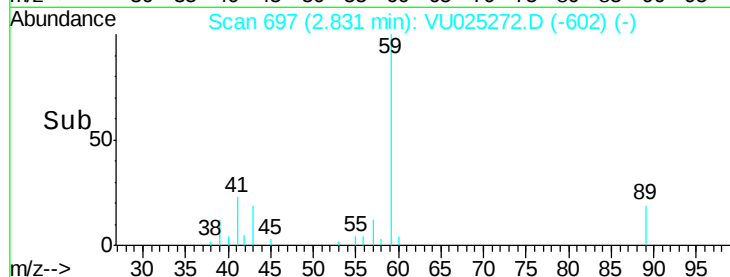
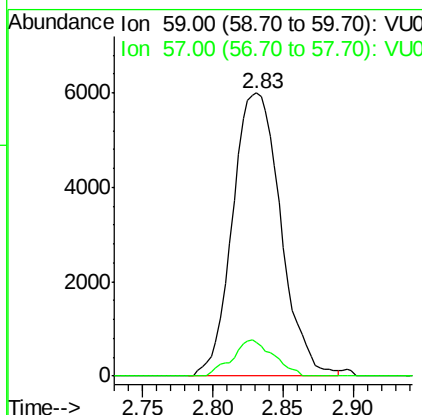
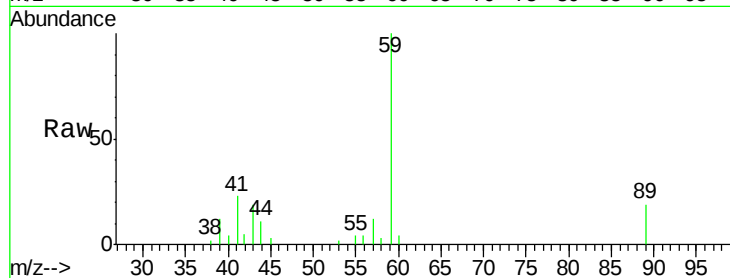
Tert butyl alcohol
Concen: 24.00 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2

Manual Integrations
APPROVED

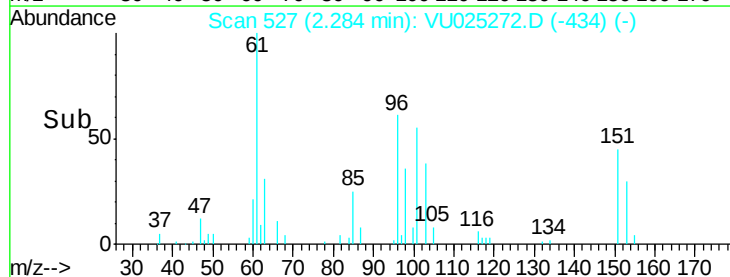
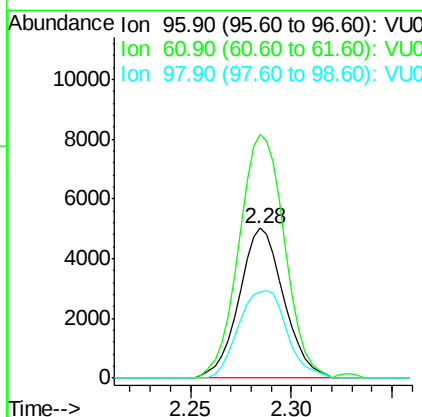
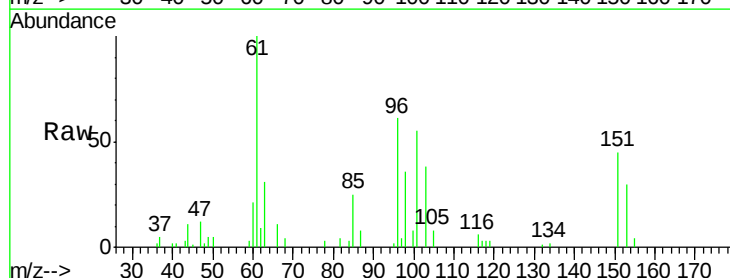
MMDadoda
7/10/2018 2:33:16 PM

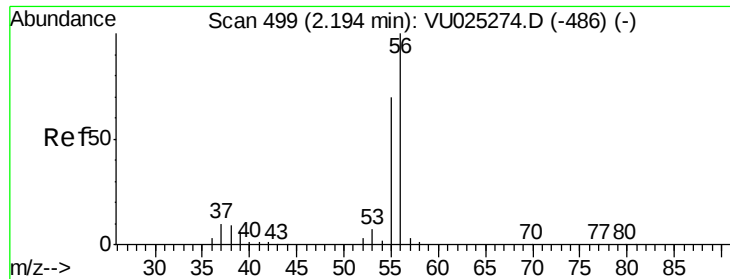


#12

1,1-Dichloroethene
Concen: 4.90 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.8	140.2	210.4
98	57.9	49.3	73.9





#13

Acrolein

Concen: 25.08 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 9286

Ion Ratio Lower Upper

56 100

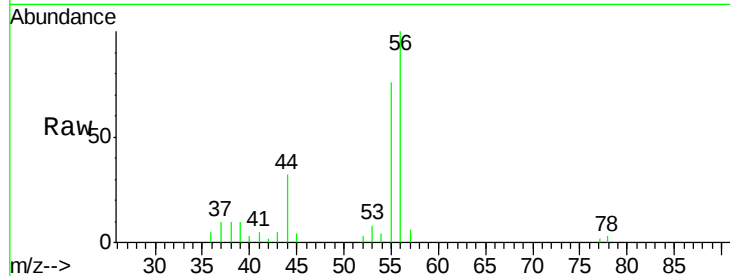
55 75.4 57.2 85.8

Manual Integrations

APPROVED

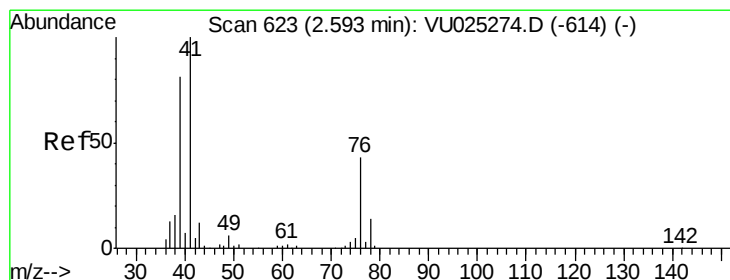
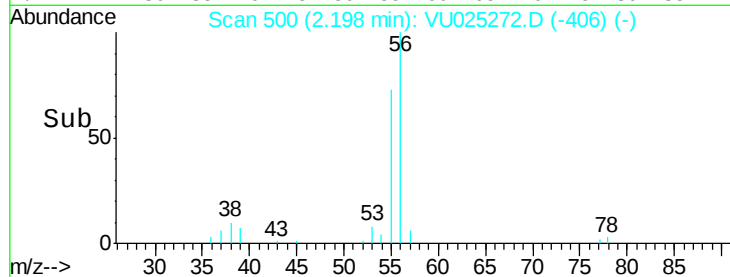
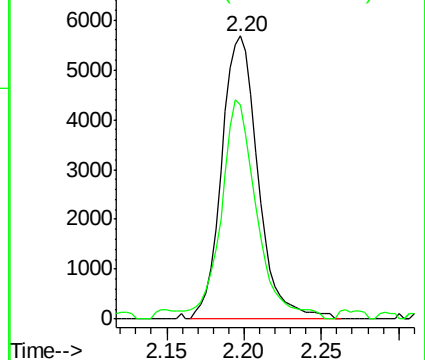
MMDadoda

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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: 5.33 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

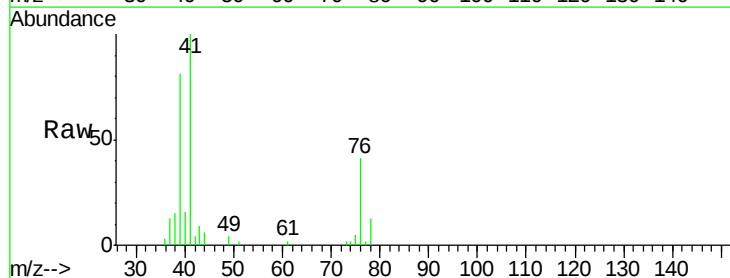
Tgt Ion: 41 Resp: 15336

Ion Ratio Lower Upper

41 100

39 71.5 60.6 91.0

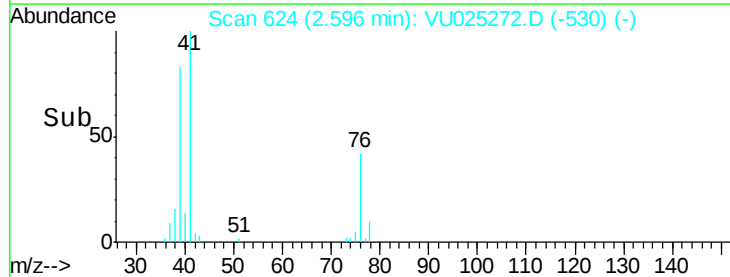
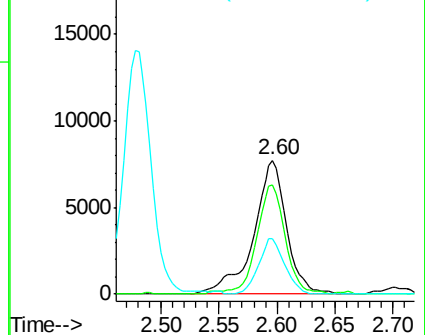
76 32.7 30.5 45.7

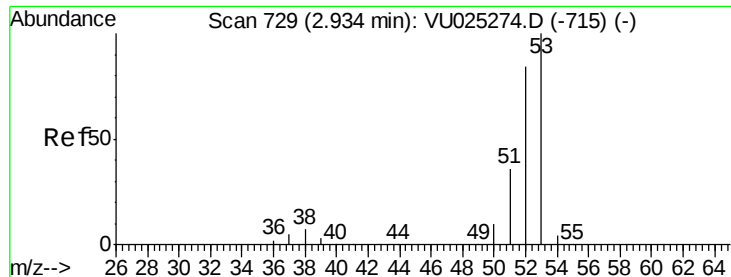


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 24.80 ug/l

RT: 2.94 min Scan# 731

Delta R.T. 0.01 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

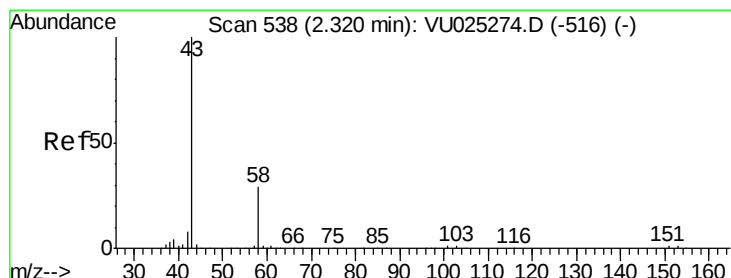
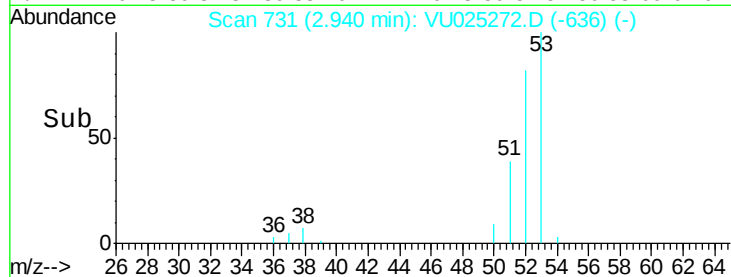
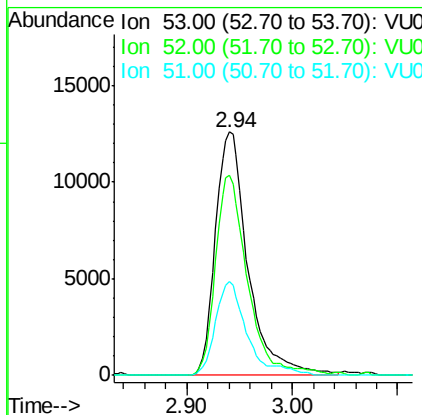
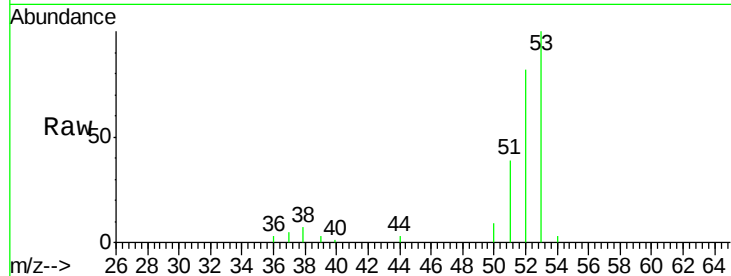
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	27055
Ion	Ratio	Lower	Upper
53	100		
52	80.4	66.6	99.8
51	37.3	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 24.80 ug/l

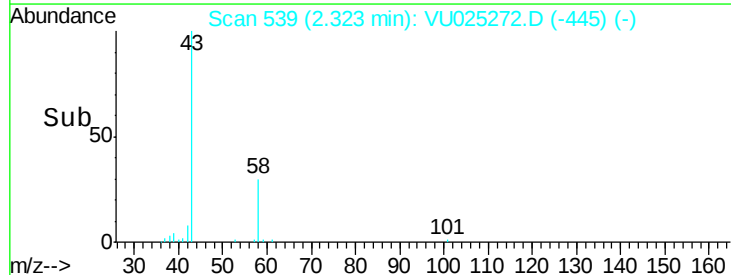
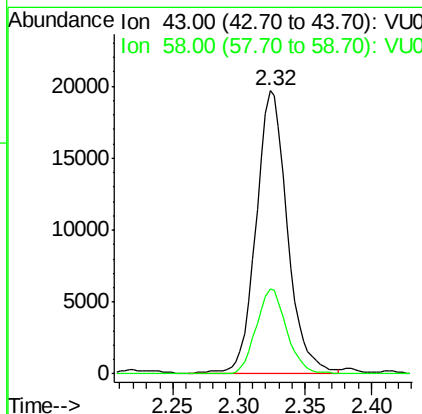
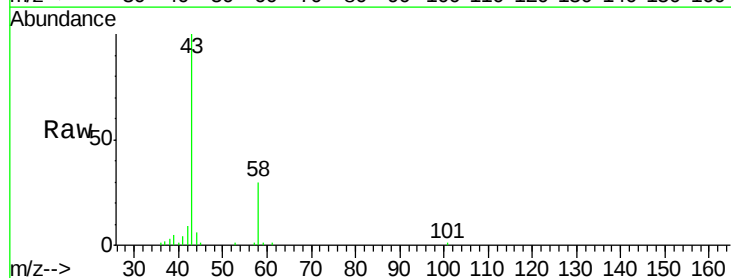
RT: 2.32 min Scan# 539

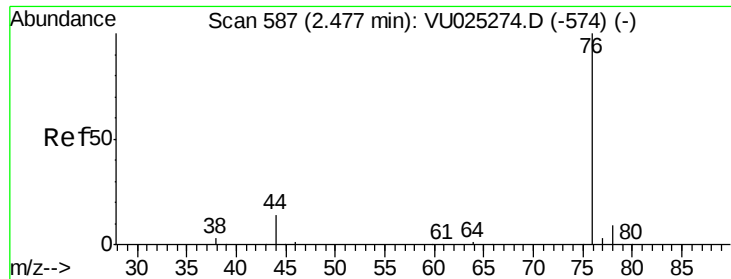
Delta R.T. 0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Tgt Ion:	43	Resp:	32575
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.1	34.7





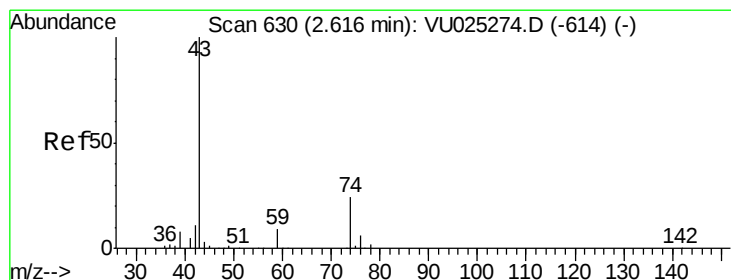
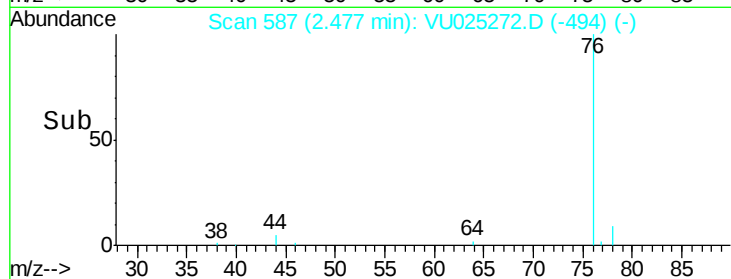
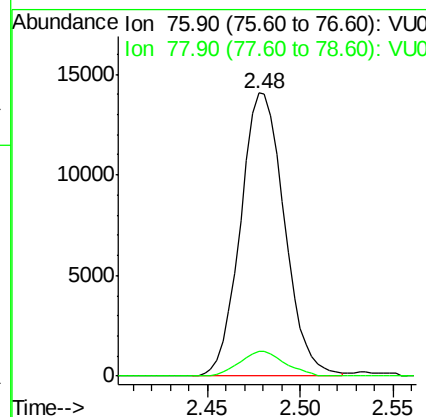
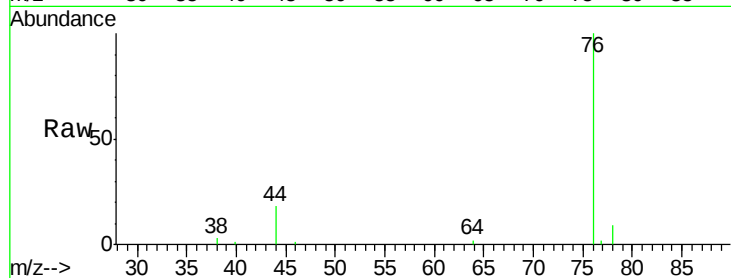
#17
Carbon Disulfide
Concen: 4.71 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

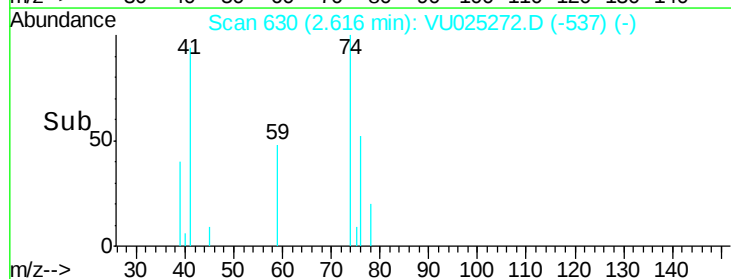
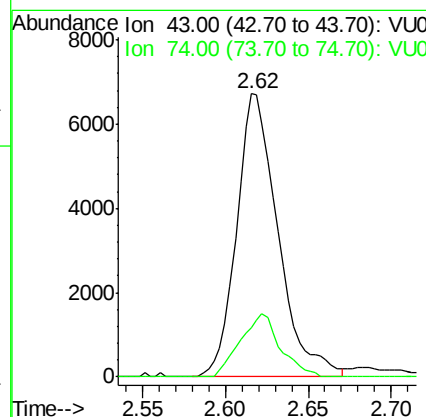
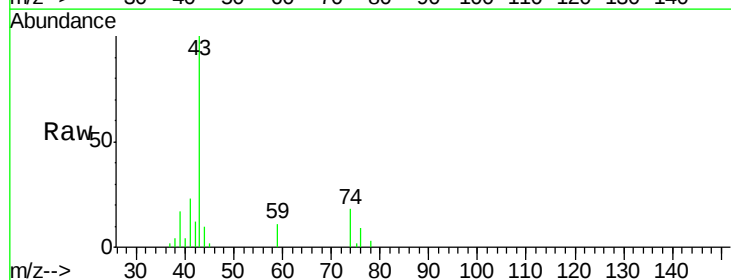
Manual Integrations
APPROVED

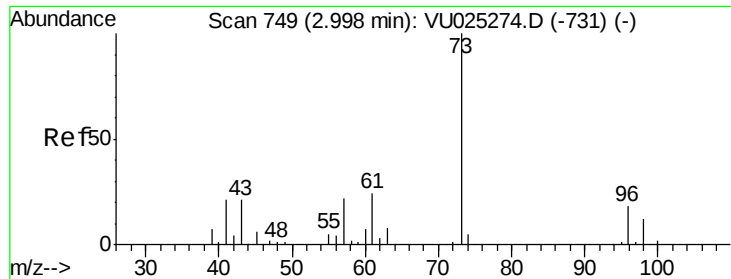
MMDadoda
7/10/2018 2:33:16 PM



#18
Methyl Acetate
Concen: 4.70 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	18.5	27.7





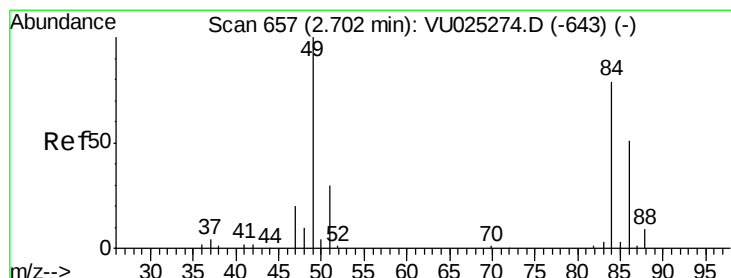
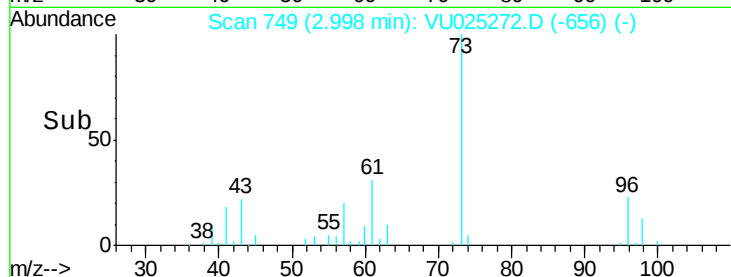
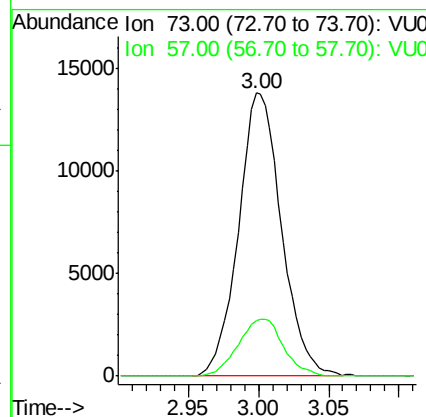
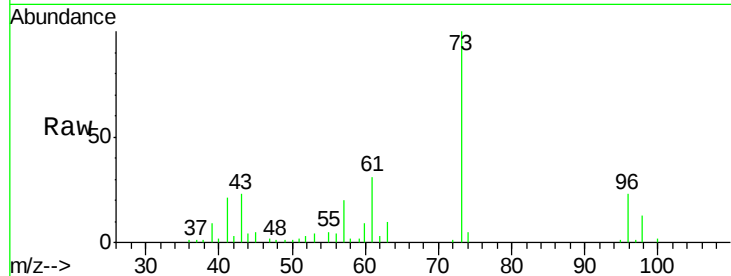
#19
Methvl tert-butvl Ether
Concen: 4.87 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 29415
Ion Ratio Lower Upper
73 100
57 19.8 17.4 26.2

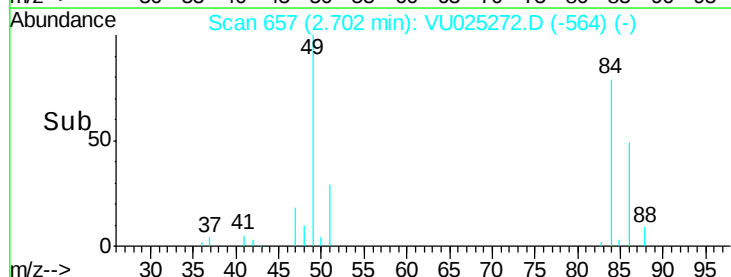
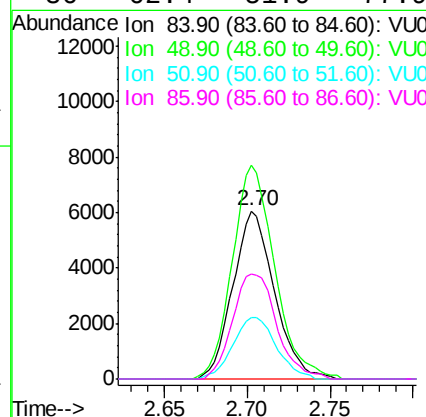
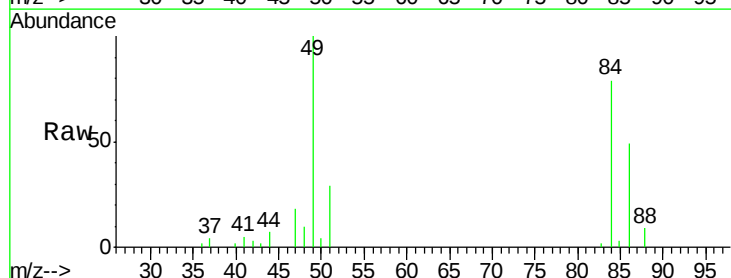
Manual Integrations
APPROVED

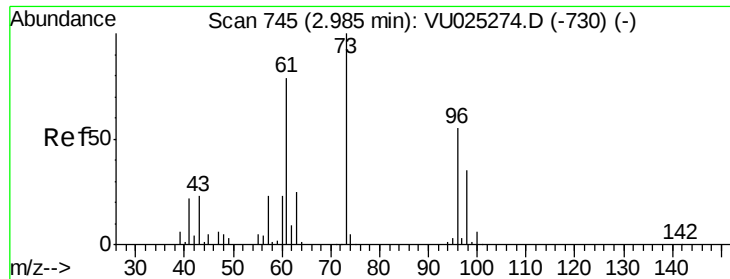
MMDadoda
7/10/2018 2:33:16 PM



#20
Methylene Chloride
Concen: 4.89 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion: 84 Resp: 10552
Ion Ratio Lower Upper
84 100
49 127.4 101.8 152.6
51 36.6 30.8 46.2
86 62.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 4.93 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 8948

Ion Ratio Lower Upper

96 100

61 141.7 114.5 171.7

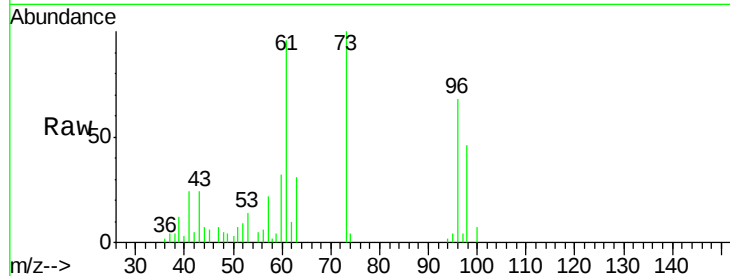
98 68.4 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

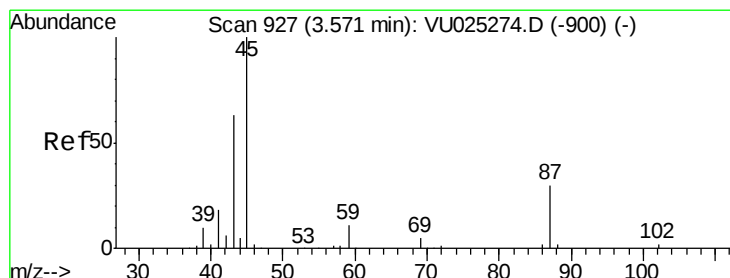
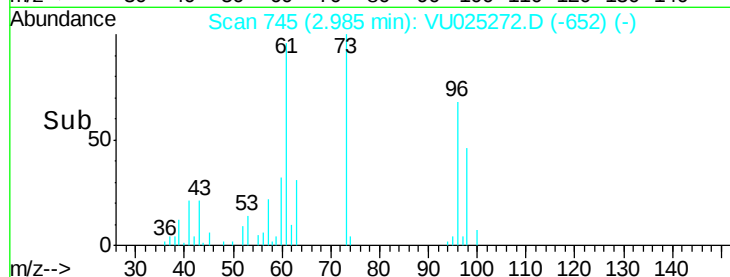
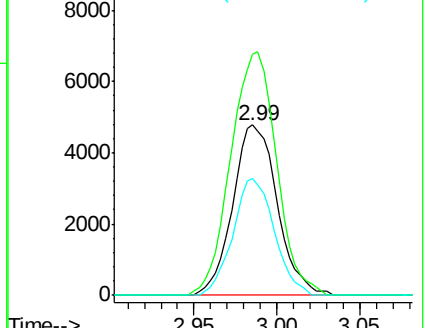
7/10/2018 2:33:16 PM



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



#22

Diisopropyl ether

Concen: 4.96 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Tgt Ion: 45 Resp: 29132

Ion Ratio Lower Upper

45 100

43 67.7 50.9 76.3

87 26.6 23.8 35.8

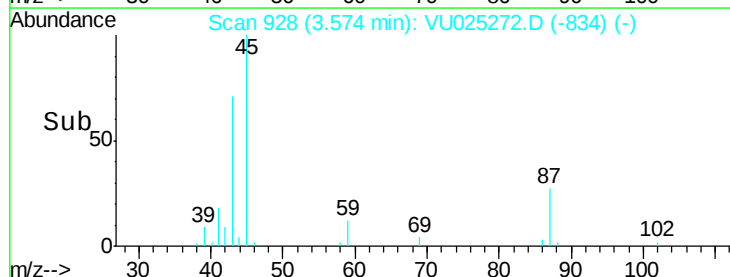
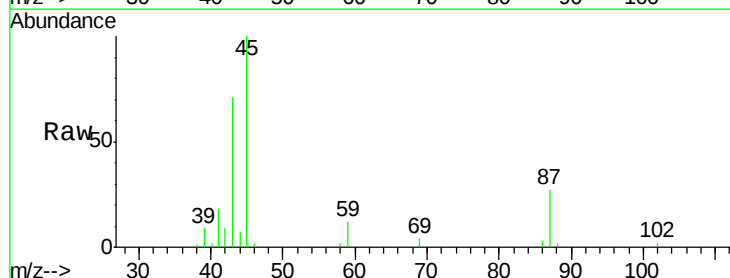
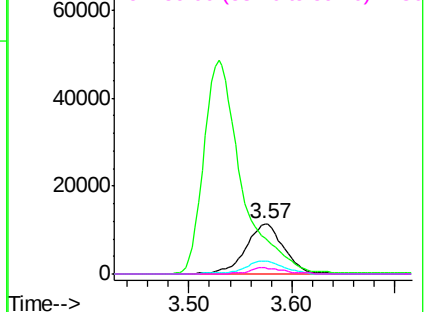
59 12.0 9.0 13.4

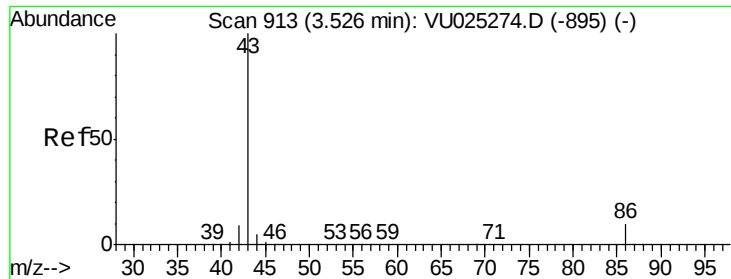
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 24.13 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 124425

Ion Ratio Lower Upper

43 100

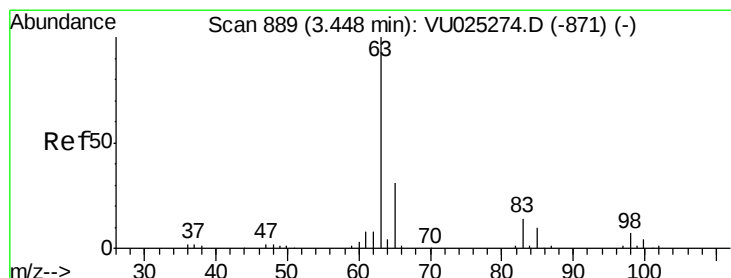
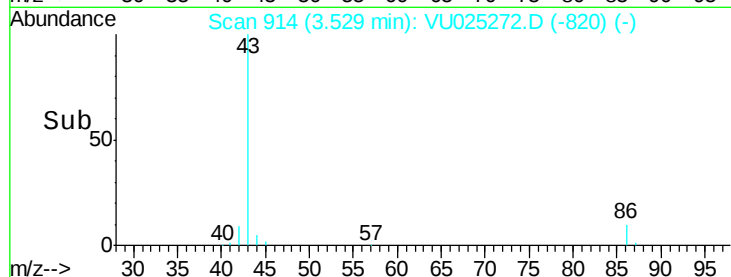
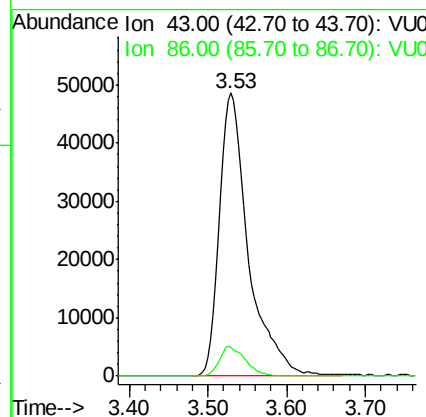
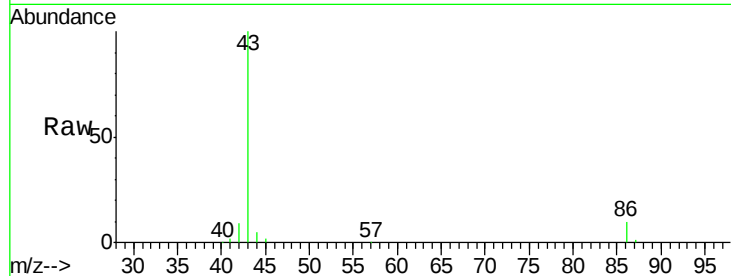
86 10.0 8.2 12.2

Manual Integrations

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7/10/2018 2:33:16 PM



#24

1,1-Dichloroethane

Concen: 4.99 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

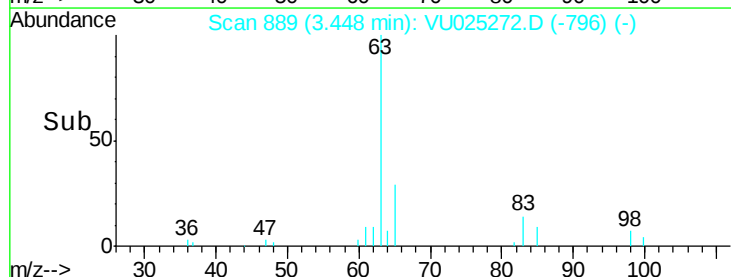
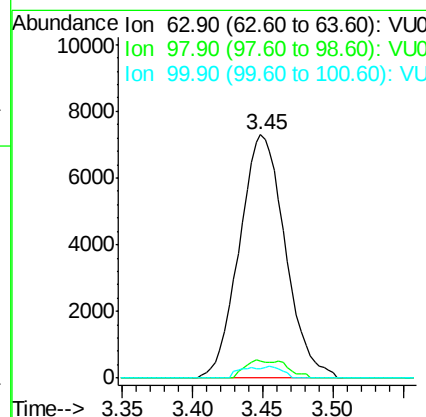
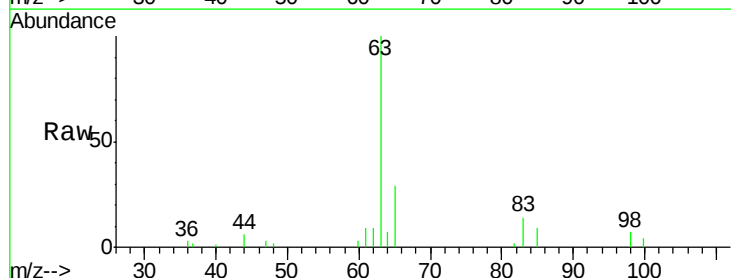
Tgt Ion: 63 Resp: 16552

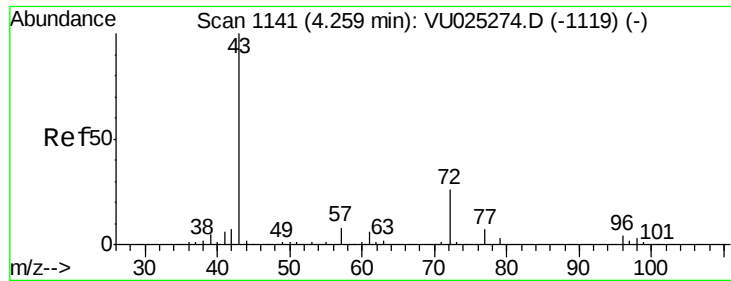
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 24.26 ug/l

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 40894

Ion Ratio Lower Upper

43 100

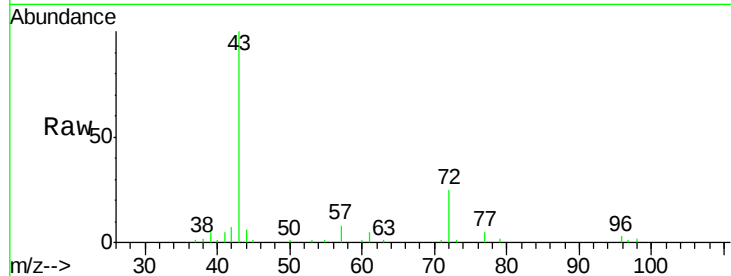
72 25.3 21.0 31.4

Manual Integrations

APPROVED

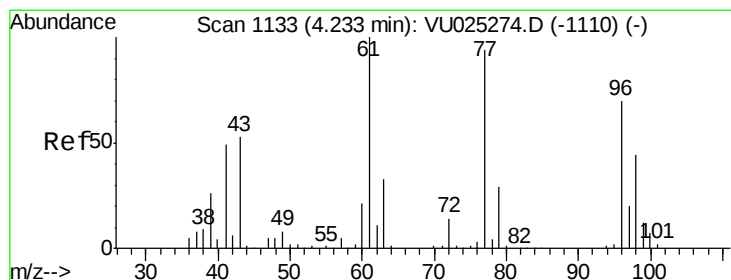
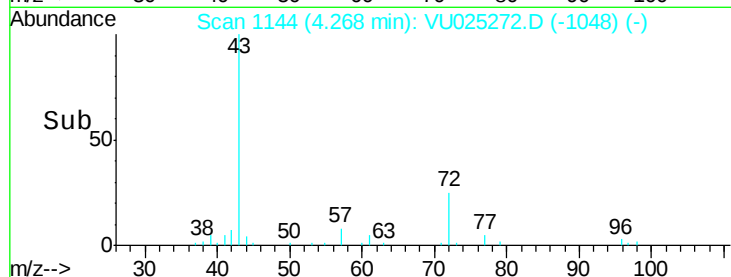
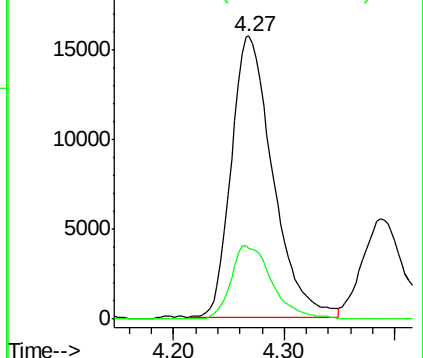
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 4.96 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025272.D

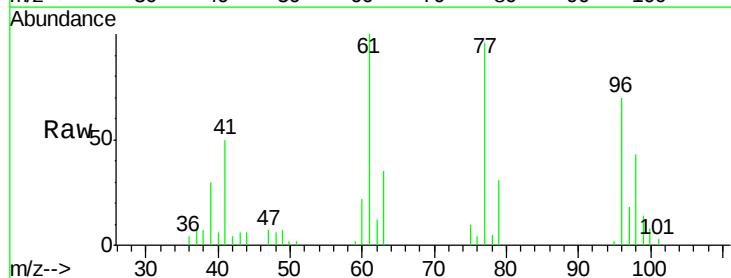
Acq: 09 Jul 2018 14:03

Tgt Ion: 77 Resp: 15802

Ion Ratio Lower Upper

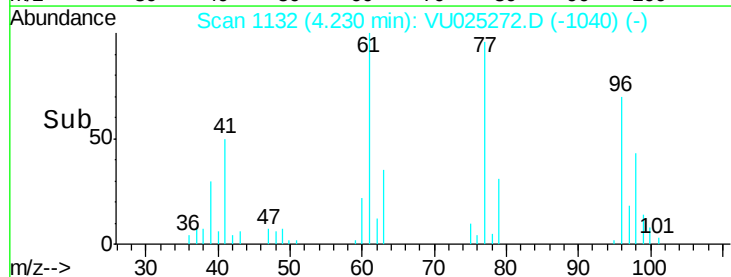
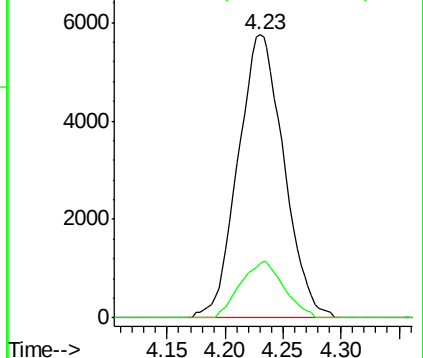
77 100

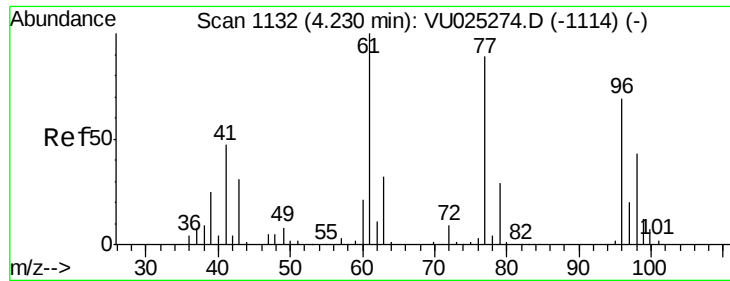
97 19.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





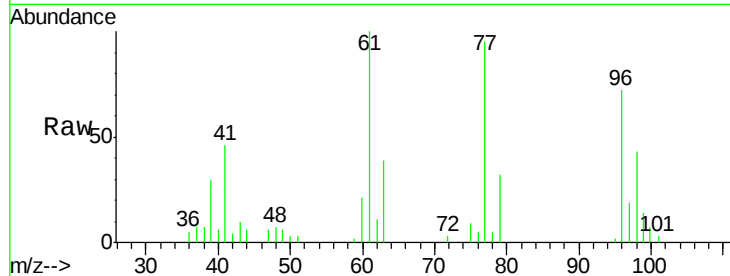
#27
 cis-1,2-Dichloroethene
 Concen: 4.88 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	299.8
98	64.4	0.0	128.6

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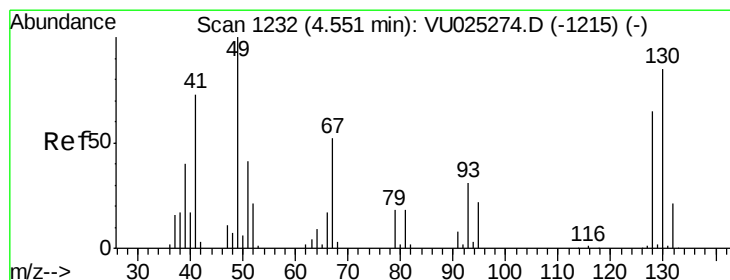
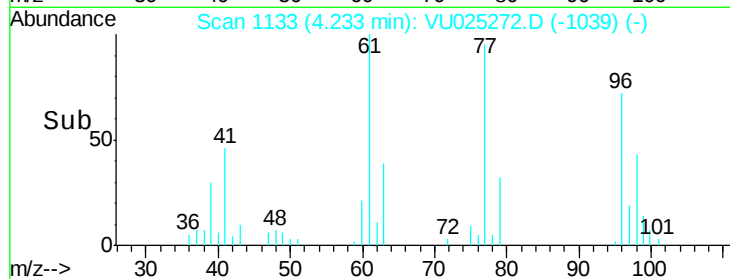
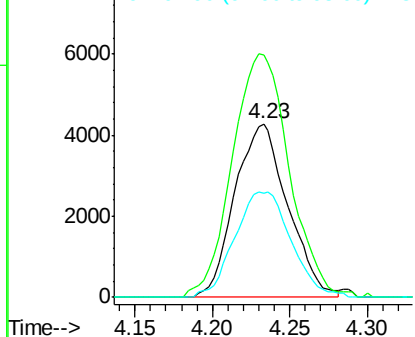


Abundance

Ion 95.90 (95.60 to 96.60): VU0

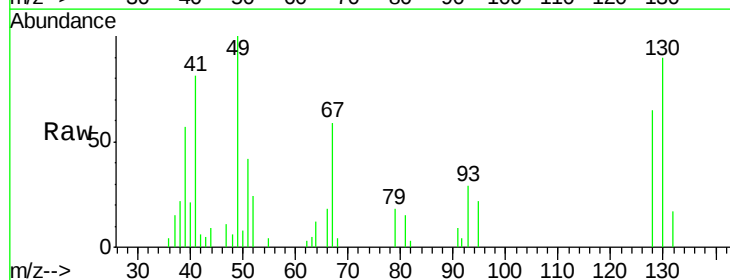
Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28
 Bromochloromethane
 Concen: 5.15 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	80.8	68.6	102.8

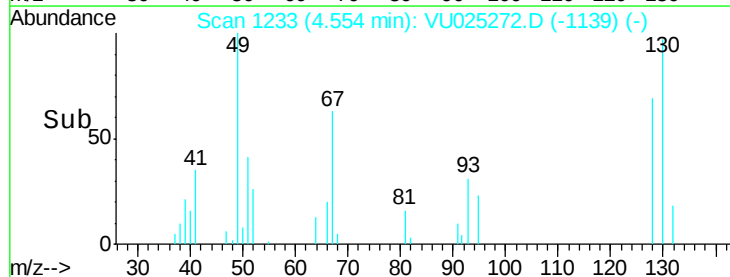
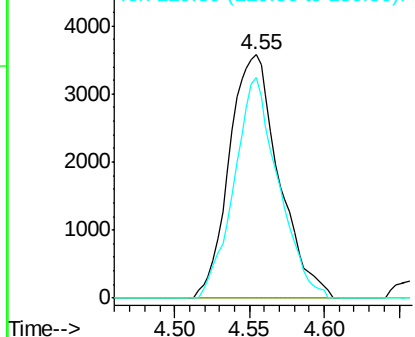


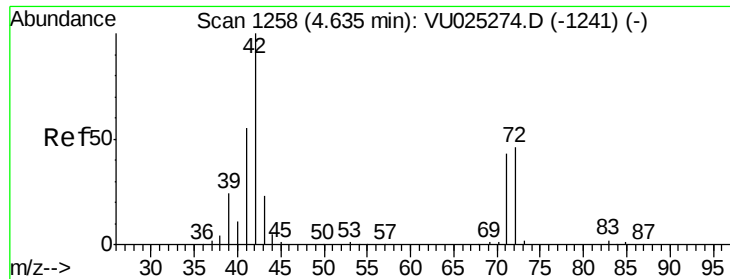
Abundance

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





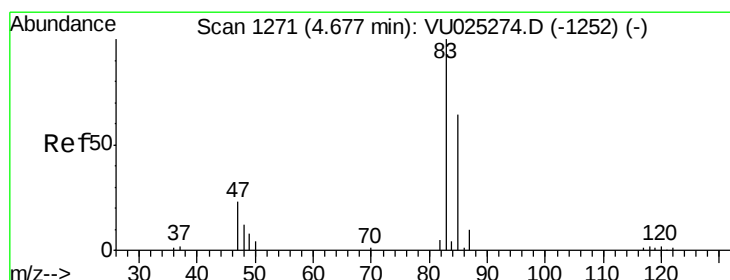
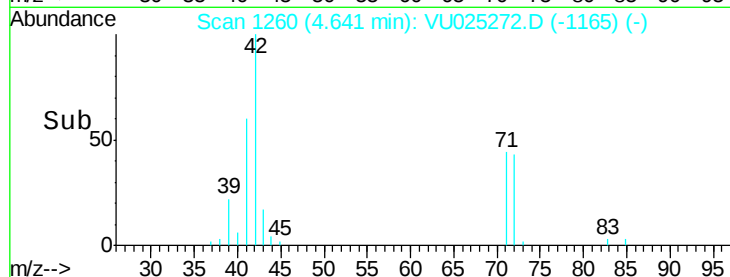
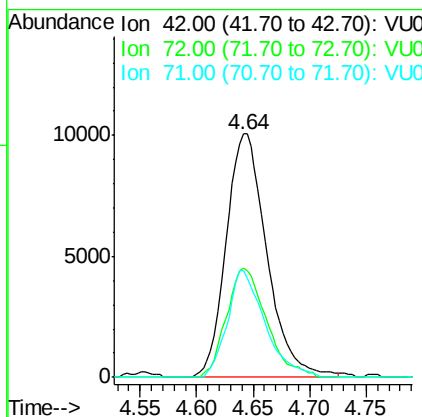
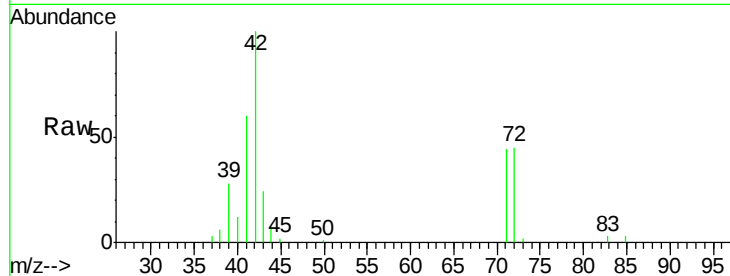
#29
Tetrahydrofuran
Concen: 24.96 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	36.7	55.1
71	40.4	33.9	50.9

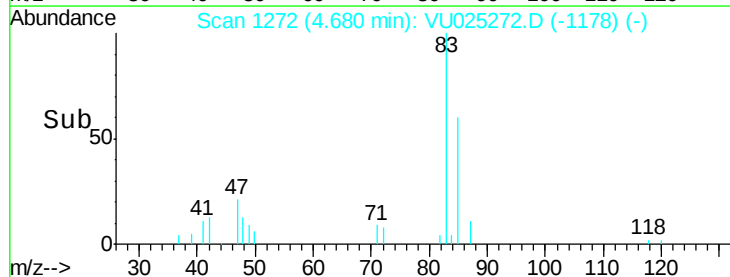
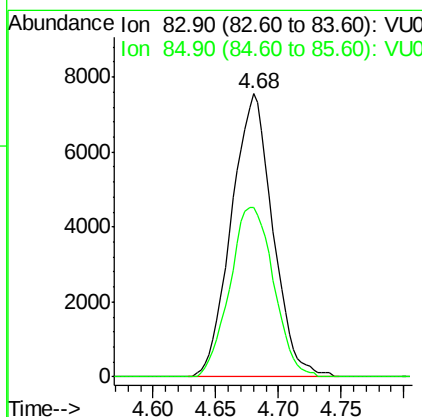
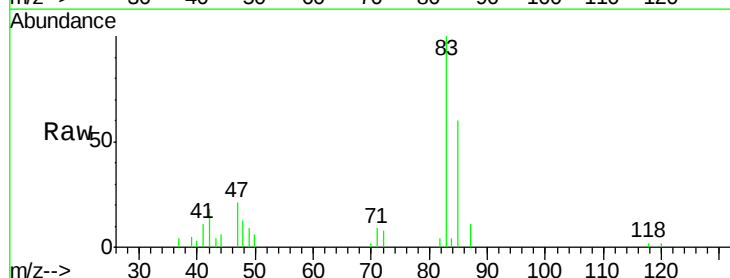
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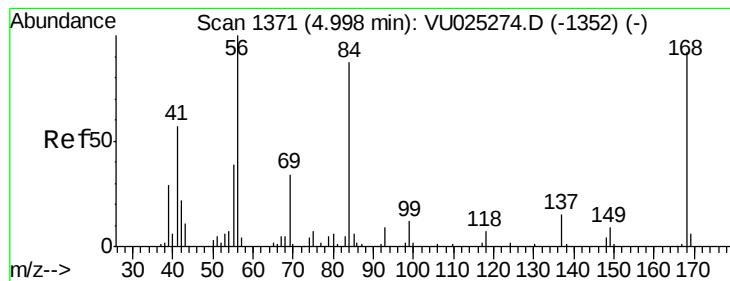
MMDadoda
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#30
Chloroform
Concen: 4.93 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	51.5	77.3





#31

Cyclohexane

Concen: 4.79 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 17637

Ion Ratio Lower Upper

56 100

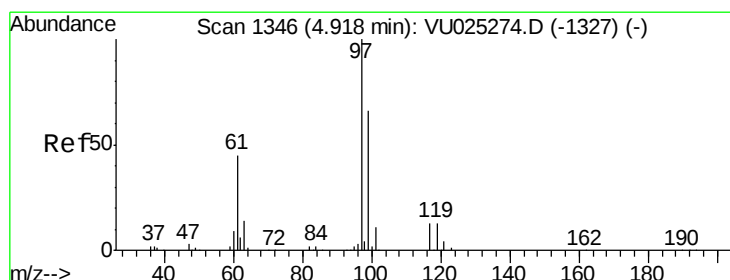
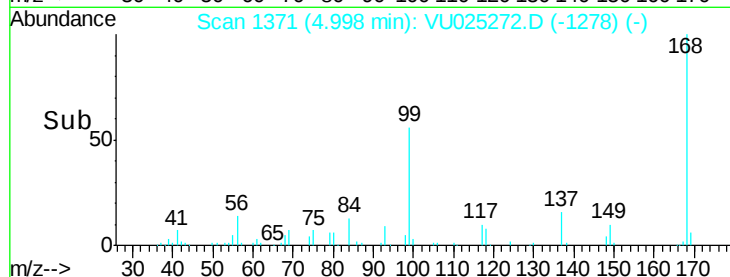
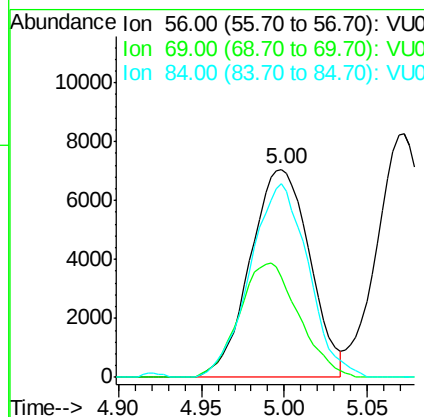
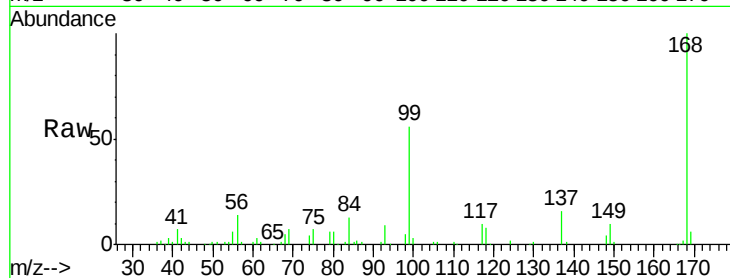
69 48.2 26.8 40.2#

84 93.1 69.7 104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 4.58 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

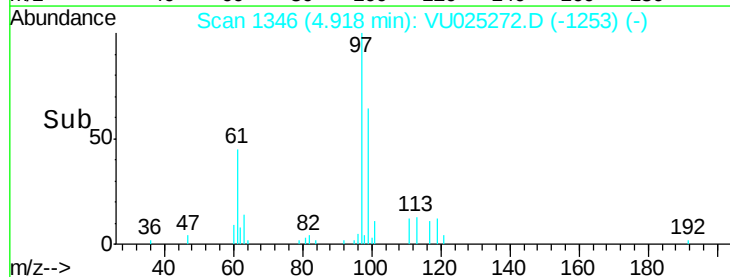
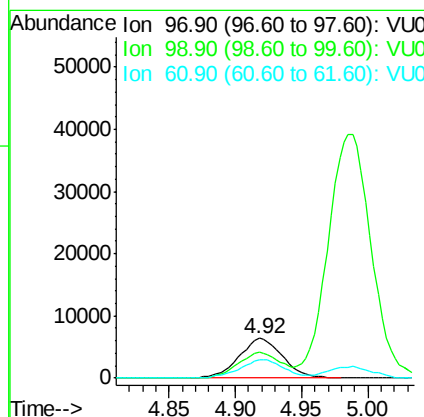
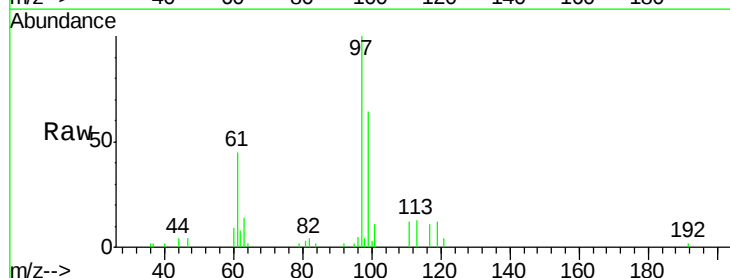
Tgt Ion: 97 Resp: 14573

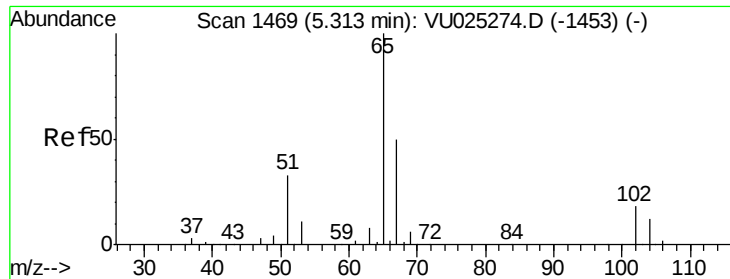
Ion Ratio Lower Upper

97 100

99 64.4 50.8 76.2

61 47.5 35.2 52.8





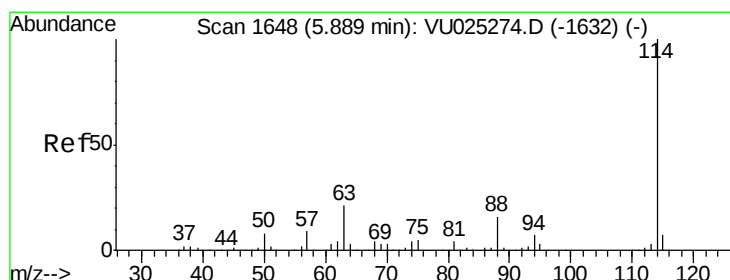
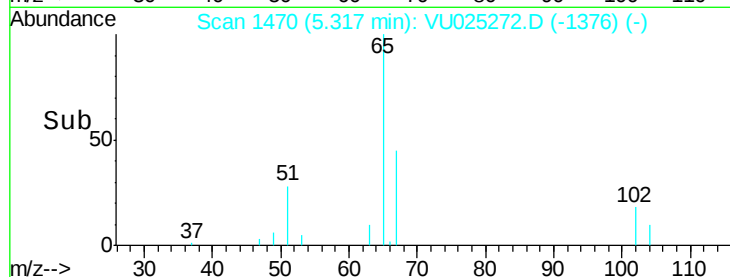
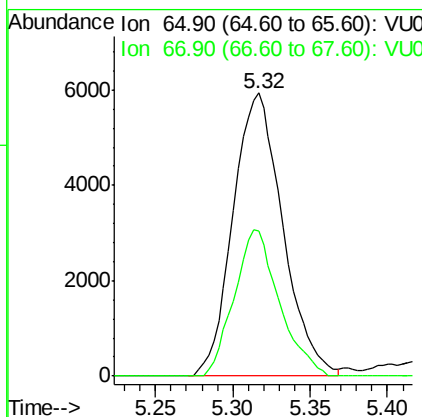
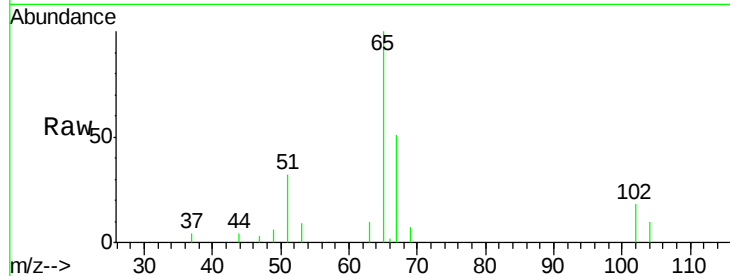
#33
 1,2-Dichloroethane-d4
 Concen: 5.46 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	46.8	0.0	103.6

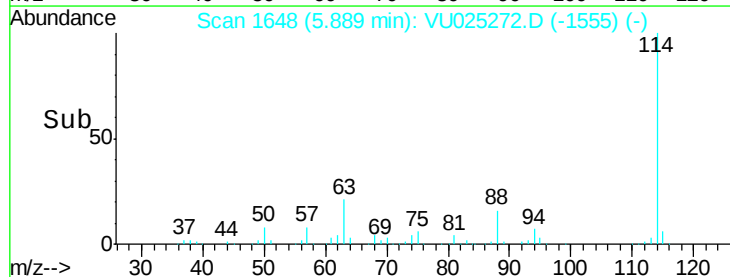
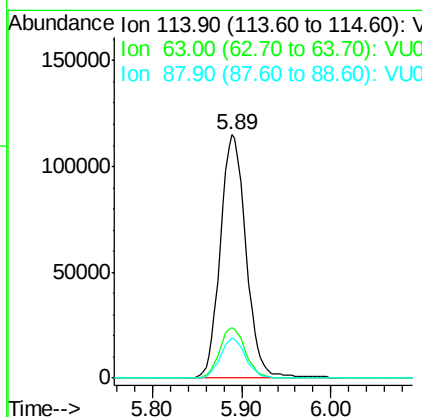
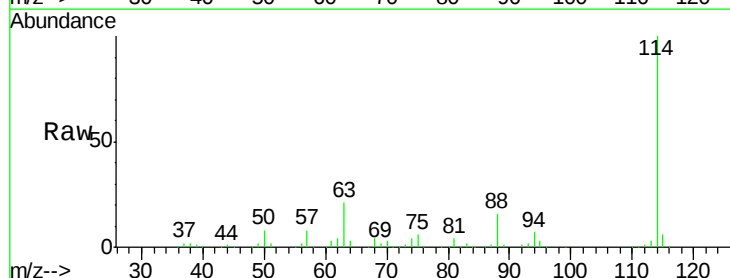
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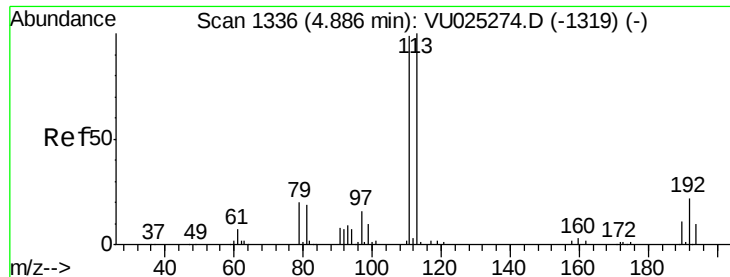
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.6
88	16.2	0.0	32.4





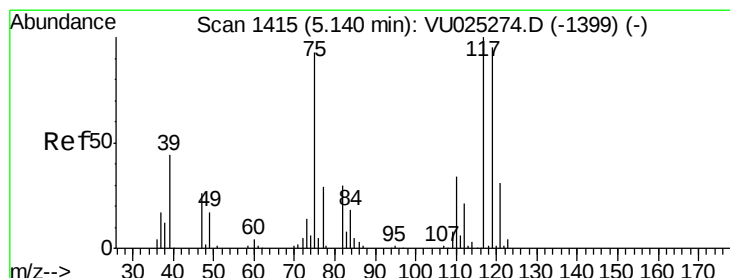
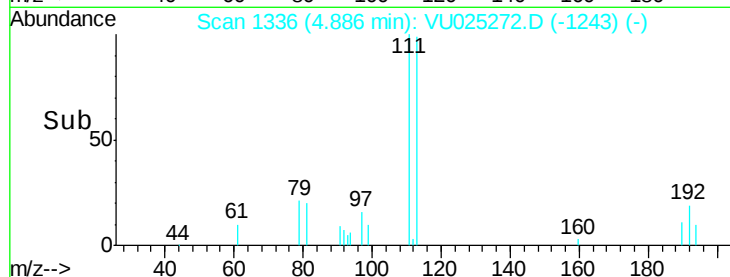
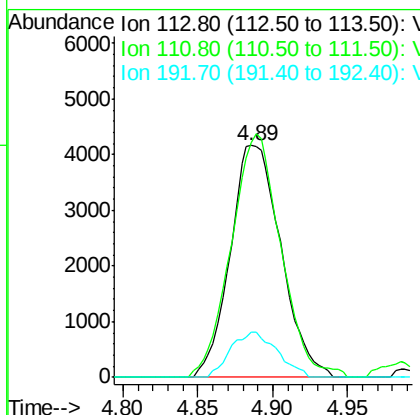
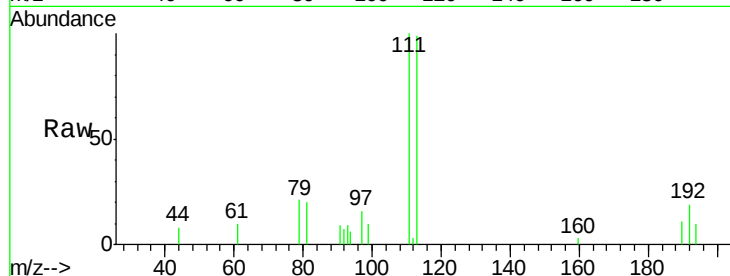
#35
Dibromofluoromethane
Concen: 5.07 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.7	122.5
192	17.8	17.1	25.7

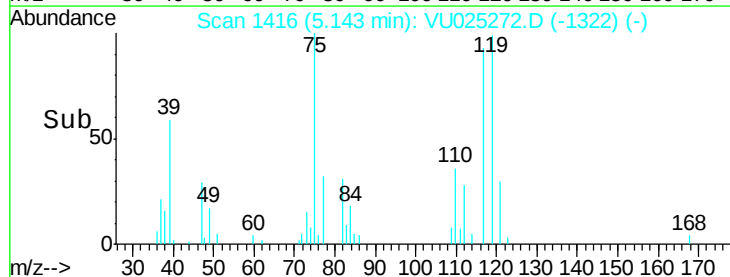
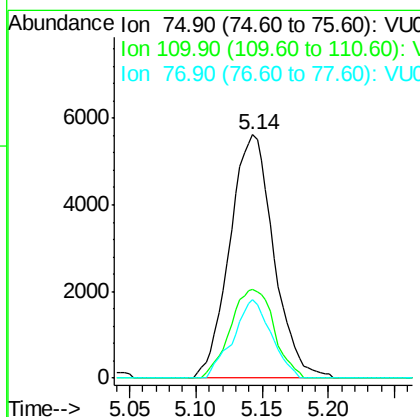
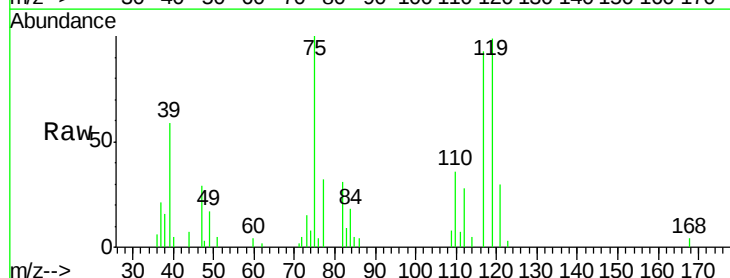
Manual Integrations
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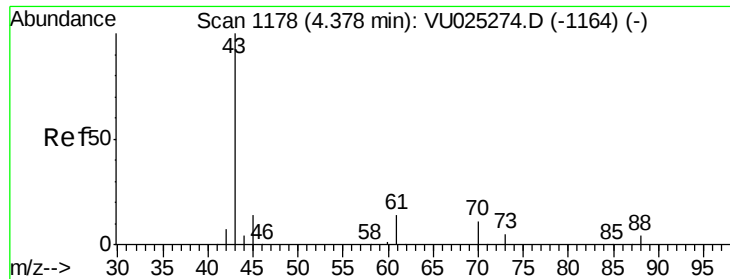
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#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.6	52.9
77	28.0	24.4	36.6





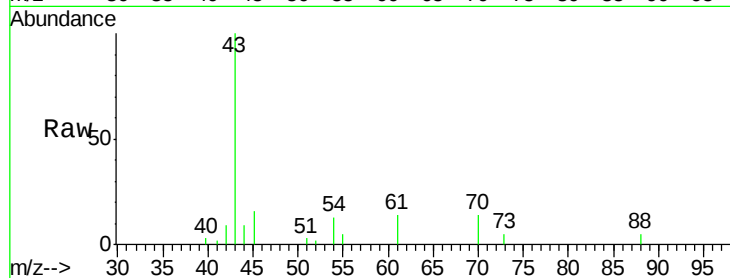
#37
Ethyl Acetate
Concen: 4.82 ug/l
RT: 4.39 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	11.2	8.4	12.6

Manual Integrations
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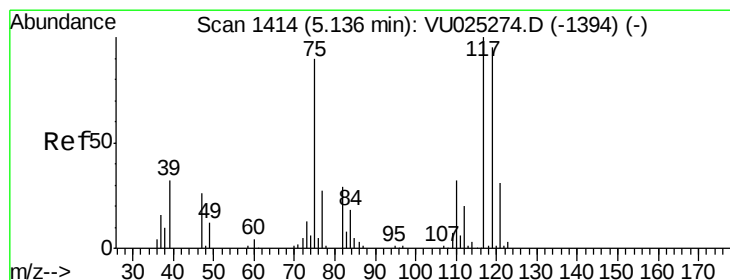
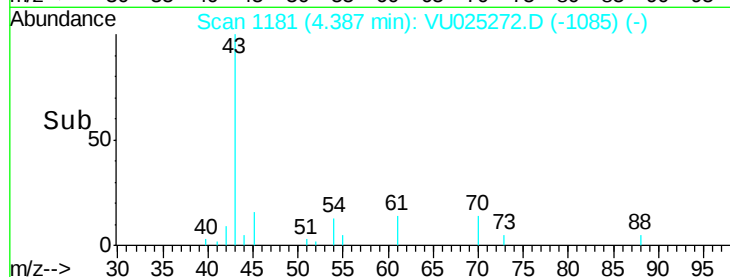
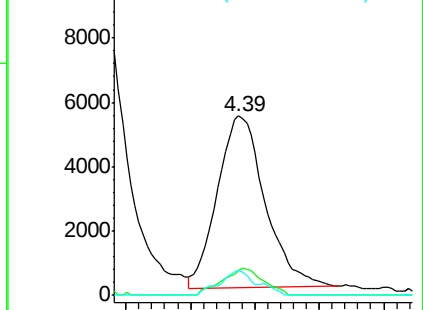
MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VU025272.D (-1085) (-)

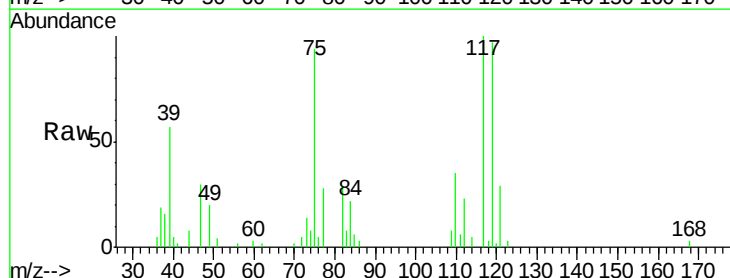
Ion 60.90 (60.60 to 61.60): VU025272.D (-1085) (-)

Ion 70.00 (69.70 to 70.70): VU025272.D (-1085) (-)



#38
Carbon Tetrachloride
Concen: 4.69 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

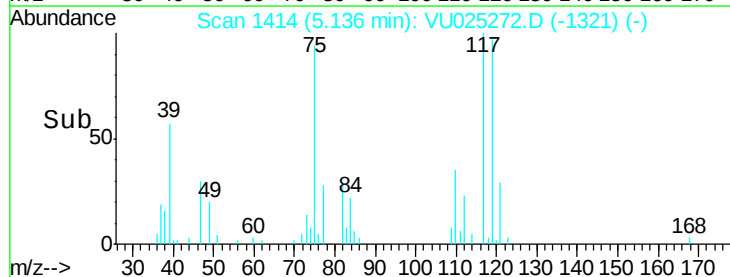
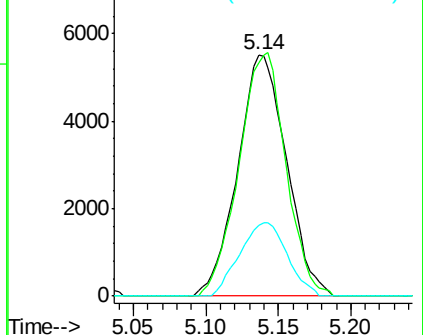
Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.7	113.5
121	29.3	24.6	36.8

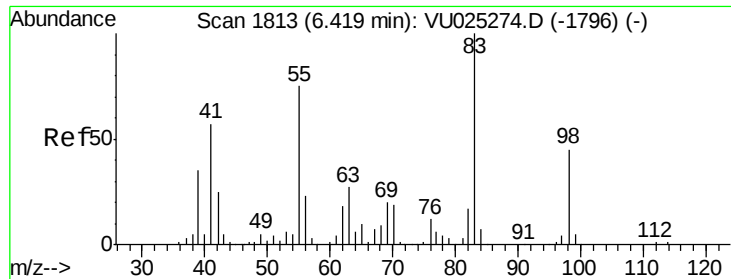


Abundance Ion 116.80 (116.50 to 117.50): VU025272.D (-1321) (-)

Ion 118.80 (118.50 to 119.50): VU025272.D (-1321) (-)

Ion 120.80 (120.50 to 121.50): VU025272.D (-1321) (-)





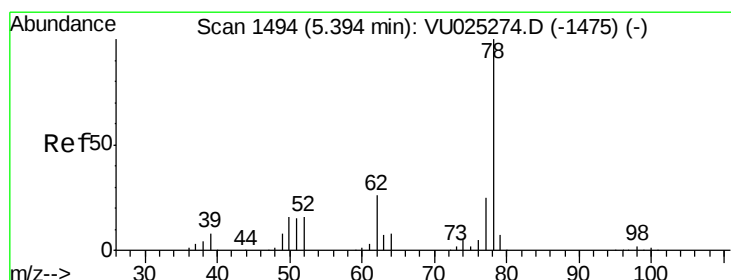
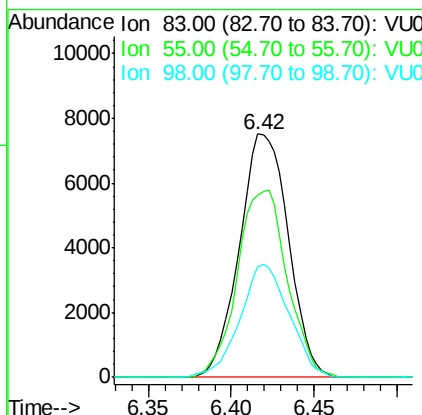
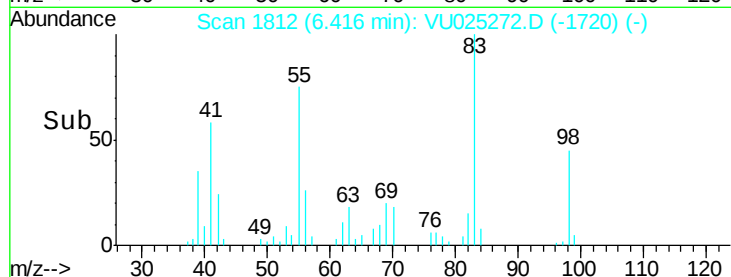
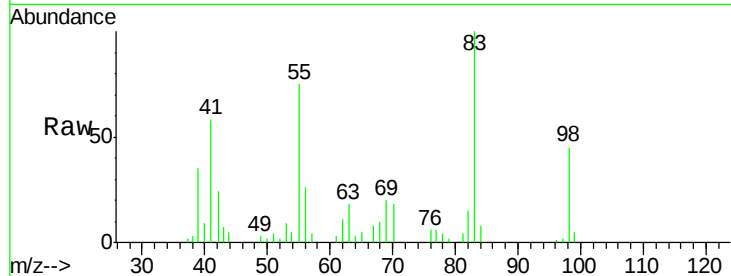
#39
Methvlcvclohexane
Concen: 4.85 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	15471
Ion Ratio	Lower	Upper	
83	100		
55	75.1	60.0	90.0
98	45.2	36.1	54.1

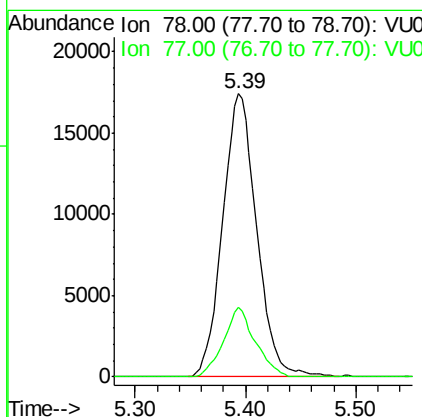
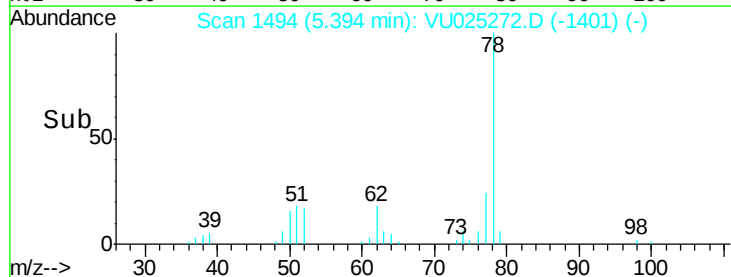
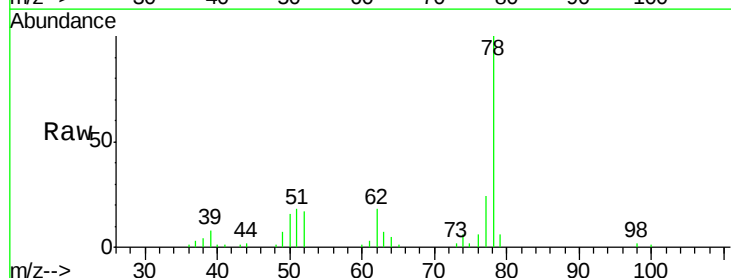
Manual Integrations
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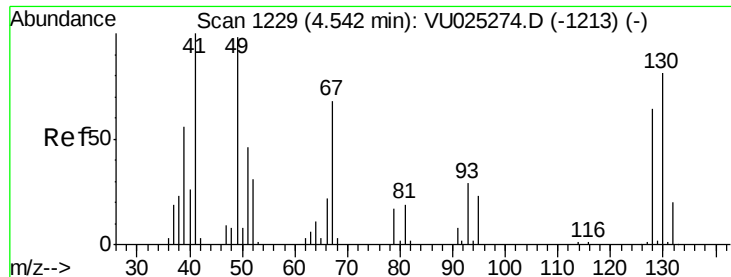
MMDadoda
7/10/2018 2:33:16 PM



#40
Benzene
Concen: 5.06 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	78	Resp	37275
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.8	29.6





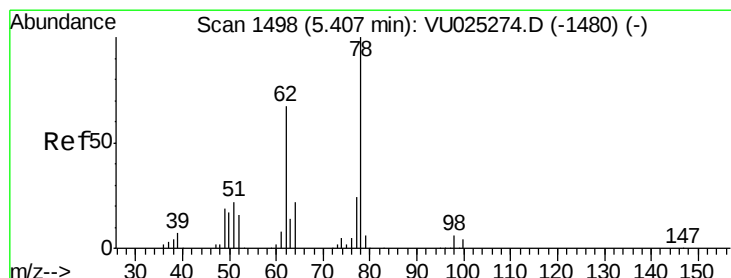
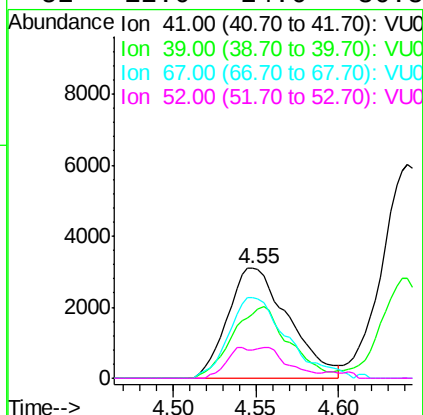
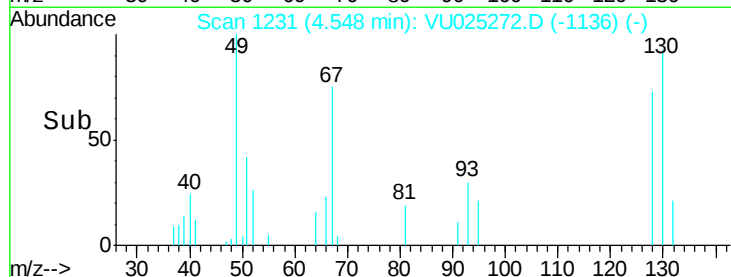
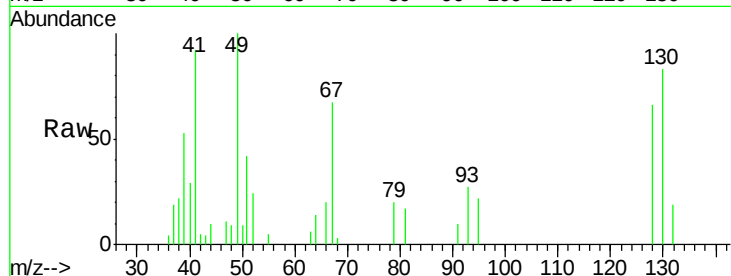
#41
Methacrylonitrile
Concen: 5.02 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.01 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.0	44.4	66.6	
67	69.7	56.0	84.0	
52	12.0	24.6	36.8	#

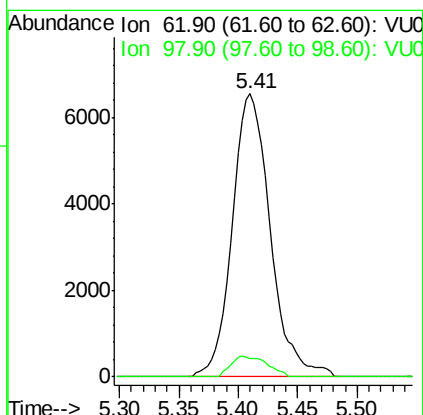
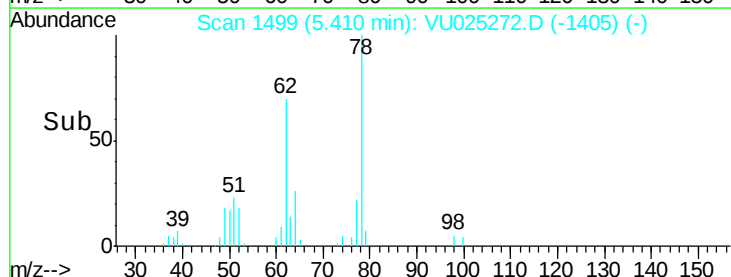
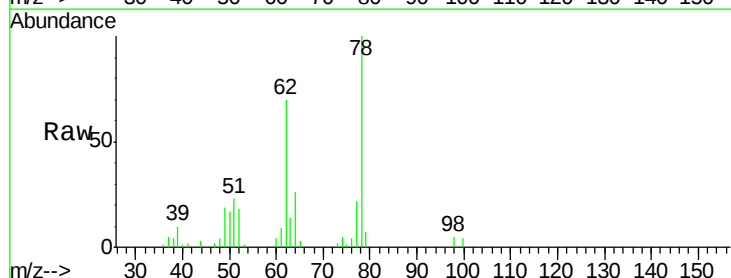
Manual Integrations
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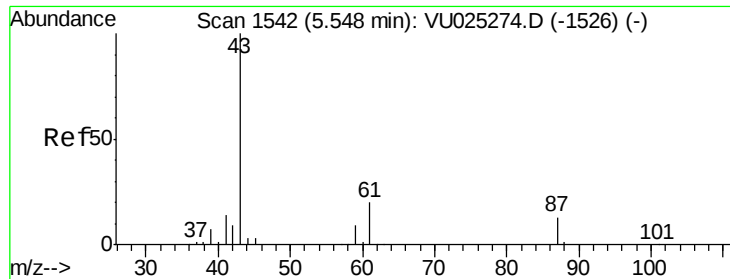
MMDadoda
7/10/2018 2:33:16 PM



#42
1,2-Dichloroethane
Concen: 4.96 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.0	0.0	16.4	





#43

Isopropyl Acetate

Concen: 4.92 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

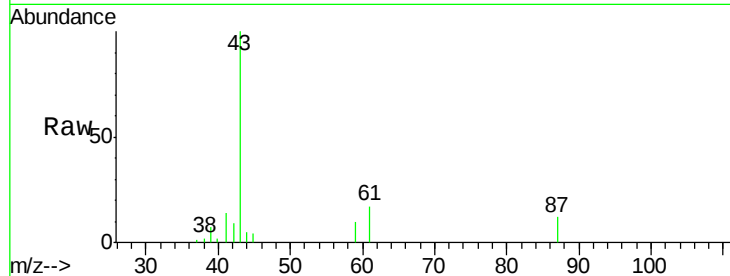
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	22463
Ion	Ratio	Lower	Upper
43	100		
61	17.7	15.5	23.3
87	12.7	10.6	16.0

Manual Integrations
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MMDadoda
7/10/2018 2:33:16 PM

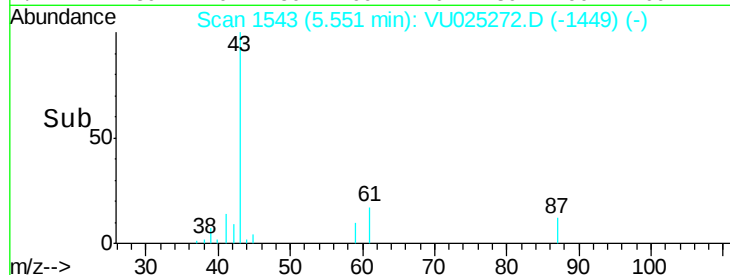


Abundance Ion 43.00 (42.70 to 43.70): VU025272.D (-1526) (-)

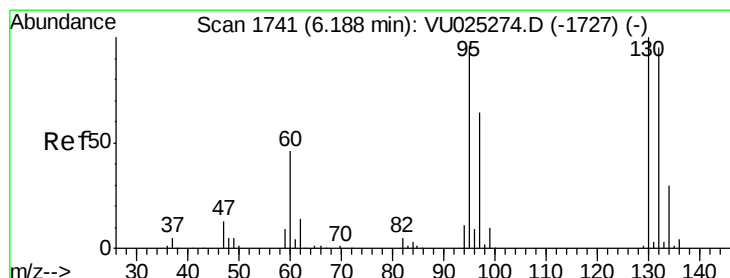
Ion 61.00 (60.70 to 61.70): VU025272.D (-1526) (-)

Ion 87.00 (86.70 to 87.70): VU025272.D (-1526) (-)

Time-->



Time-->



#44

Trichloroethene

Concen: 4.71 ug/l

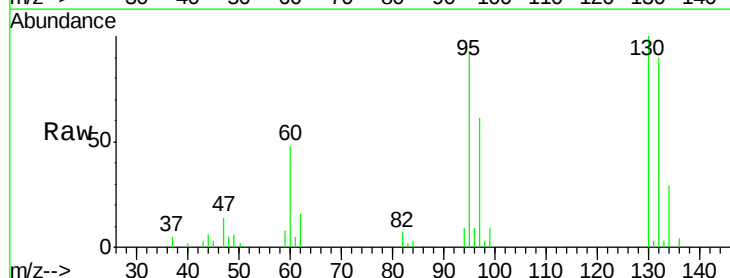
RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

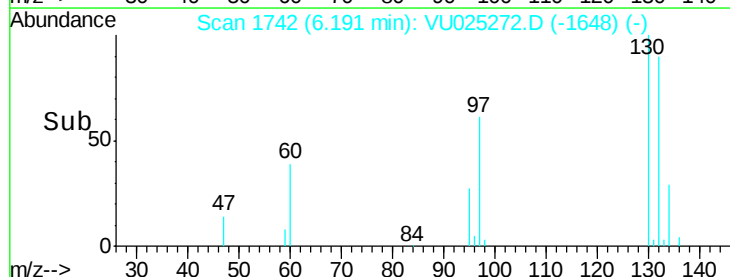
Tgt Ion:	130	Resp:	9975
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	192.2



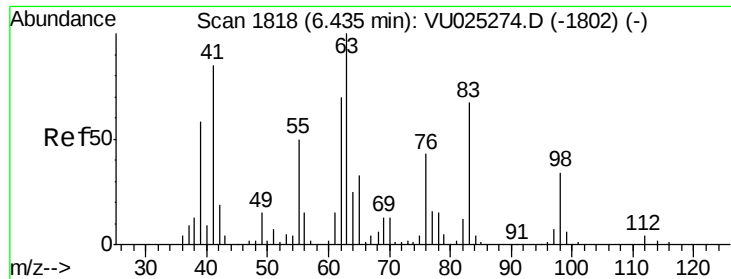
Abundance Ion 129.80 (129.50 to 130.50): VU025272.D (-1648) (-)

Ion 94.90 (94.60 to 95.60): VU025272.D (-1648) (-)

Time-->



Time-->



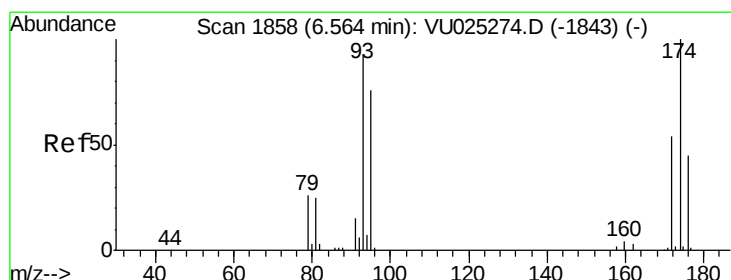
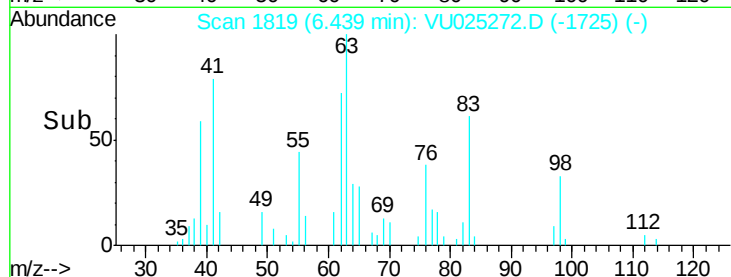
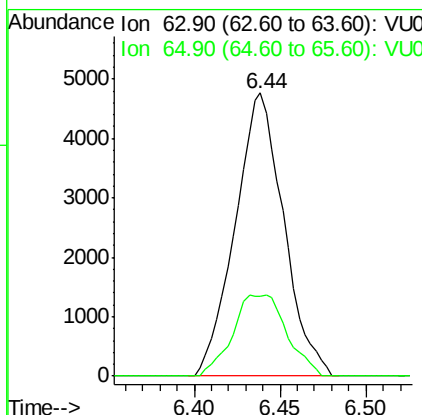
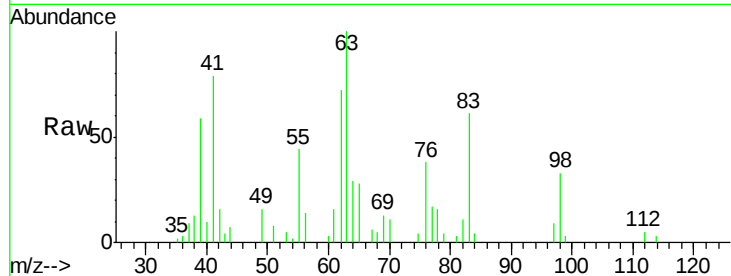
#45
 1,2-Dichloropropane
 Concen: 4.84 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 9350
 Ion Ratio Lower Upper
 63 100
 65 28.2 26.1 39.1

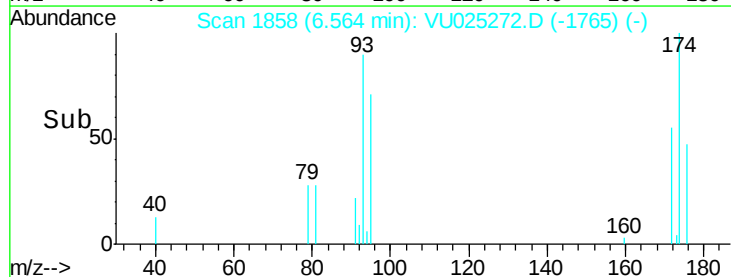
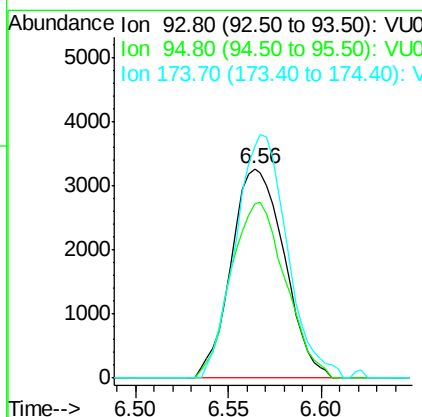
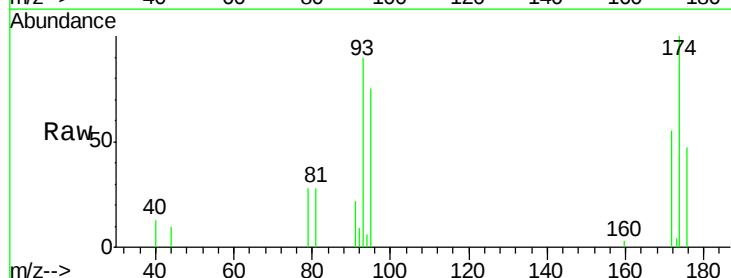
Manual Integrations
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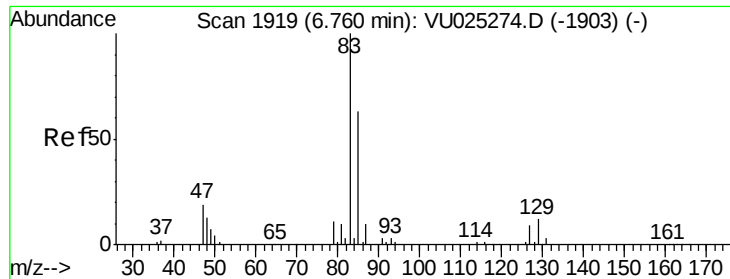
MMDadoda
 7/10/2018 2:33:16 PM



#46
 Dibromomethane
 Concen: 4.62 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Tgt Ion: 93 Resp: 6496
 Ion Ratio Lower Upper
 93 100
 95 86.0 66.6 100.0
 174 113.1 85.8 128.8





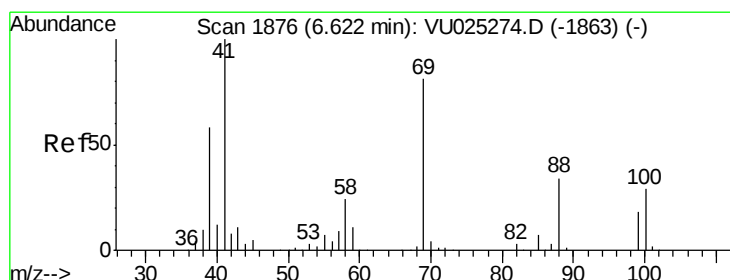
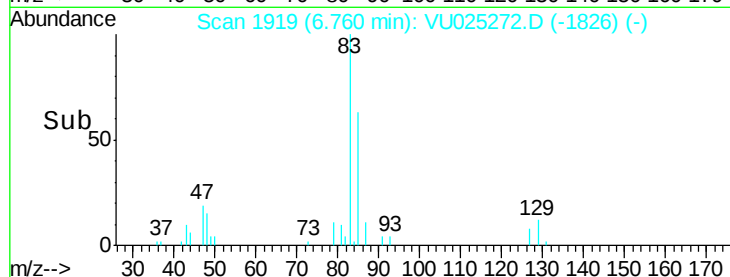
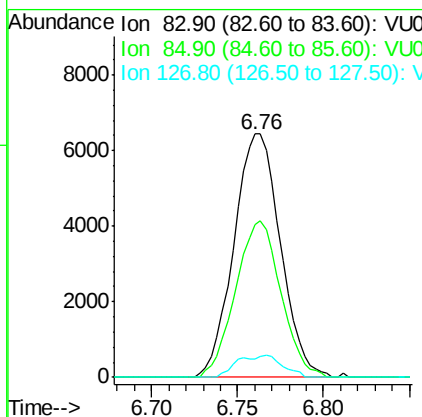
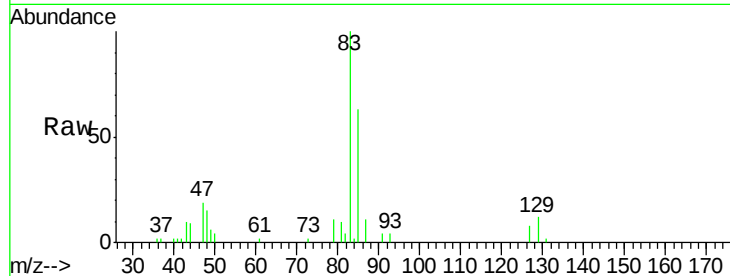
#47
Bromodichloromethane
Concen: 4.65 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	12123
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	50.2	75.4
127	7.6	7.2	10.8

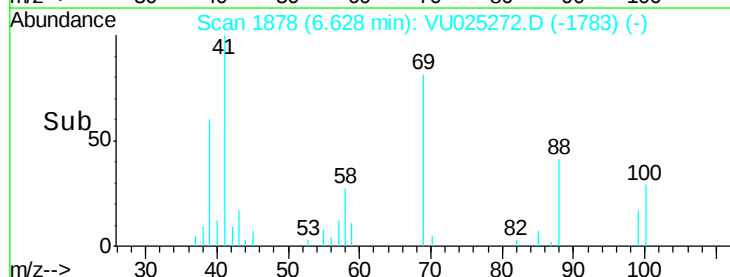
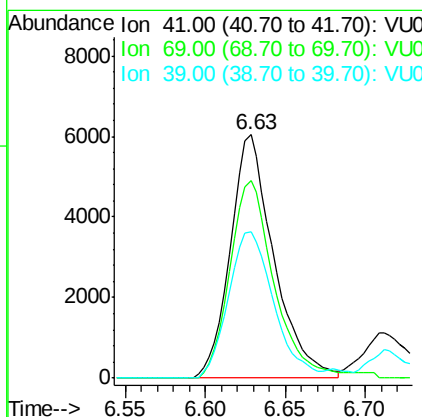
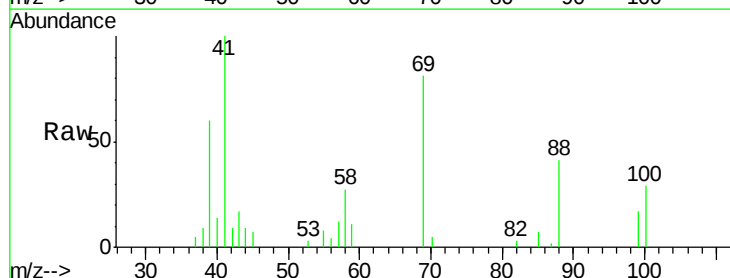
Manual Integrations
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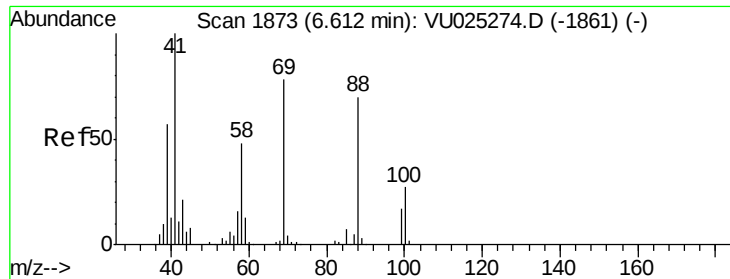
MMDadoda
7/10/2018 2:33:16 PM



#48
Methyl methacrylate
Concen: 4.93 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	41	Resp	11217
Ion Ratio	100	Lower	Upper
41	100		
69	82.1	65.0	97.4
39	62.4	46.4	69.6





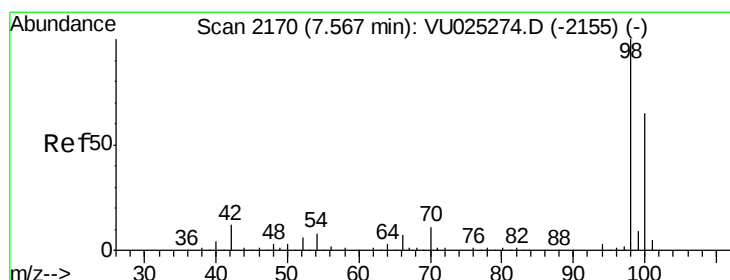
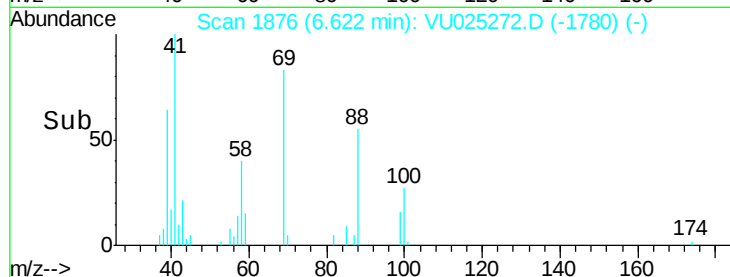
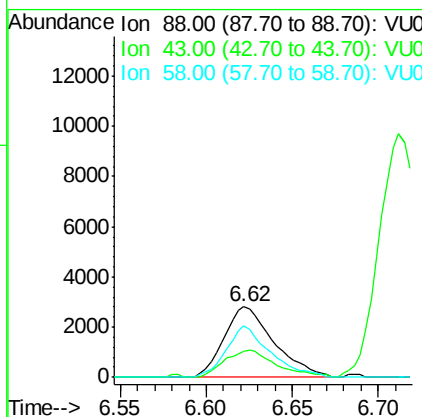
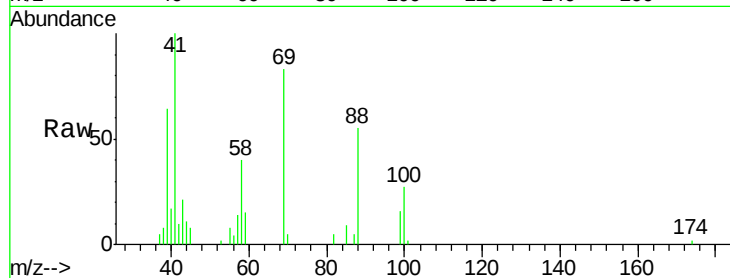
#49
1,4-Dioxane
Concen: 103.73 ug/l
RT: 6.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.9	27.3	40.9
58	63.7	57.6	86.4

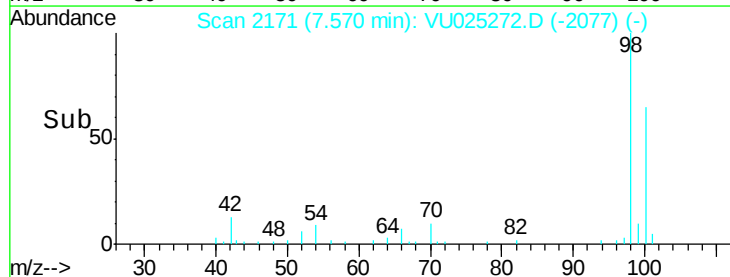
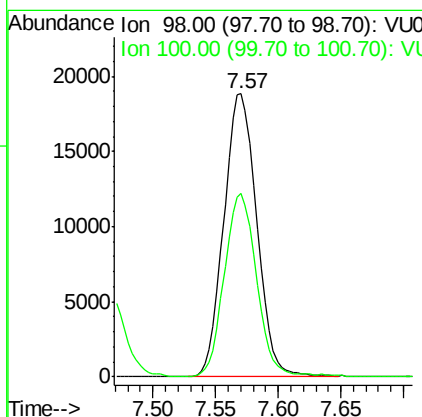
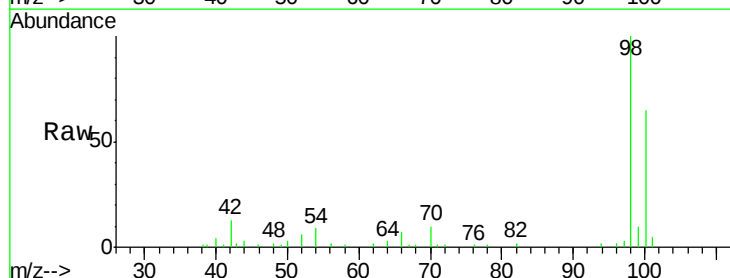
Manual Integrations
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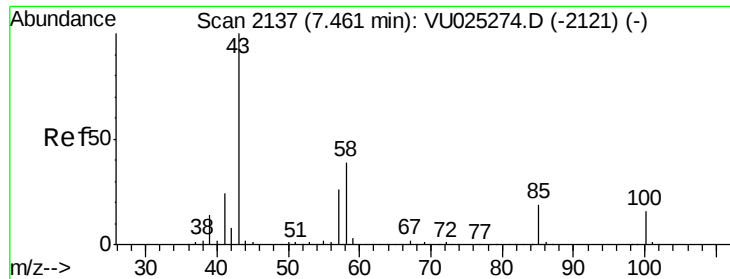
MMDadoda
7/10/2018 2:33:16 PM



#50
Toluene-d8
Concen: 5.19 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 24.00 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 71237

Ion Ratio Lower Upper

43 100

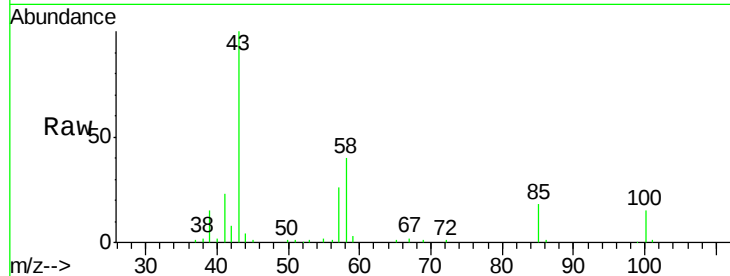
58 38.7 31.0 46.4

Manual Integrations

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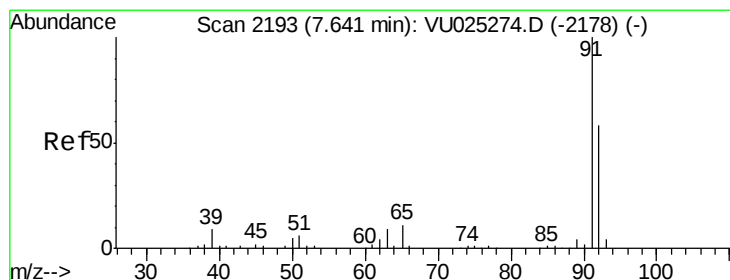
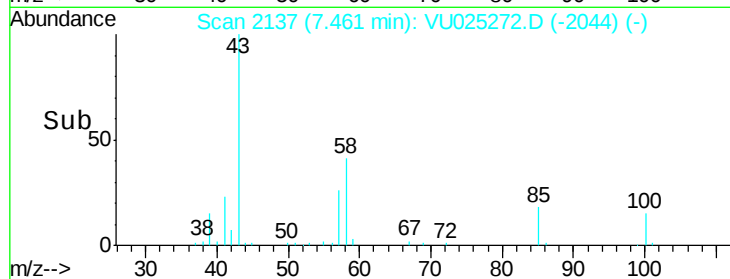
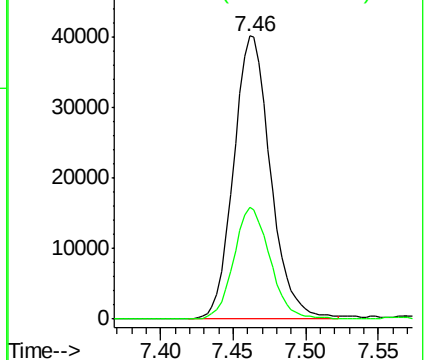
MMDadoda

7/10/2018 2:33:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 4.83 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025272.D

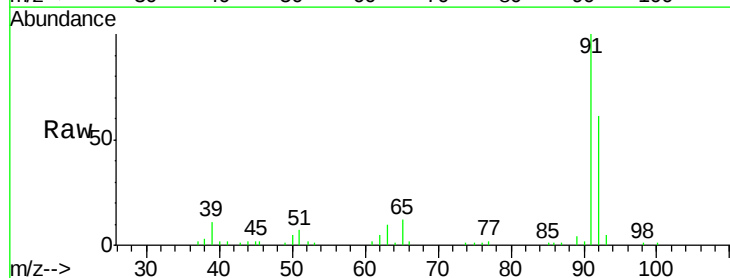
Acq: 09 Jul 2018 14:03

Tgt Ion: 92 Resp: 22633

Ion Ratio Lower Upper

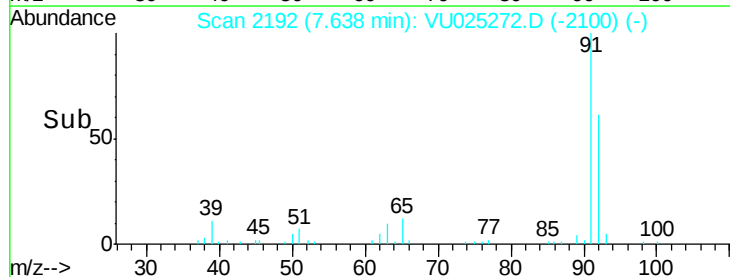
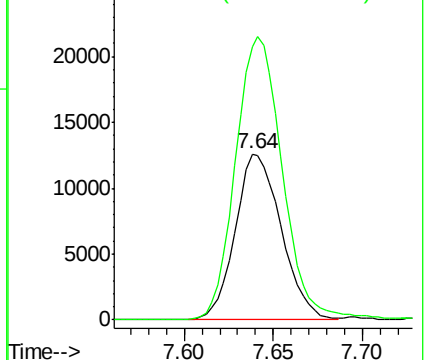
92 100

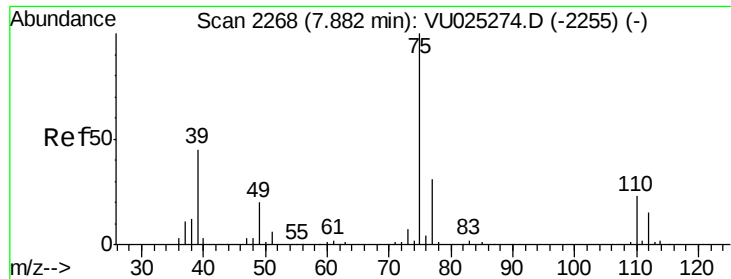
91 174.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





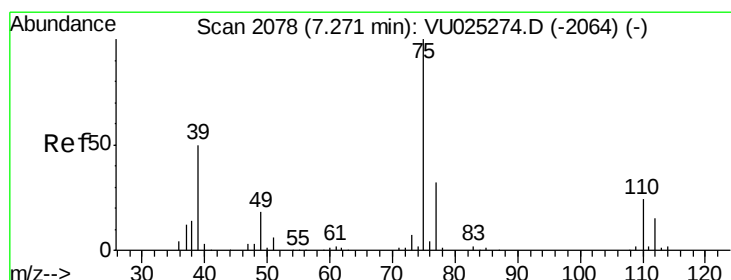
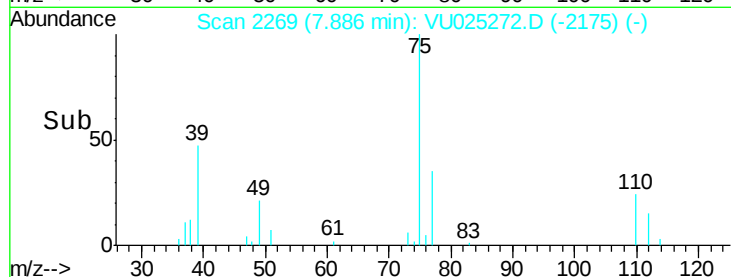
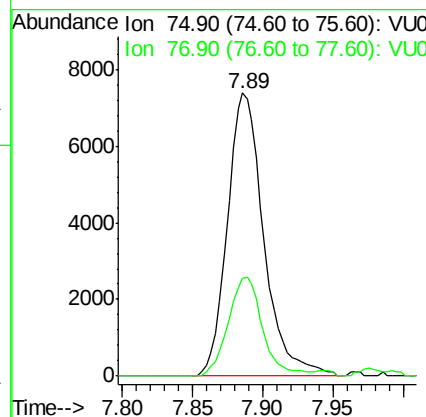
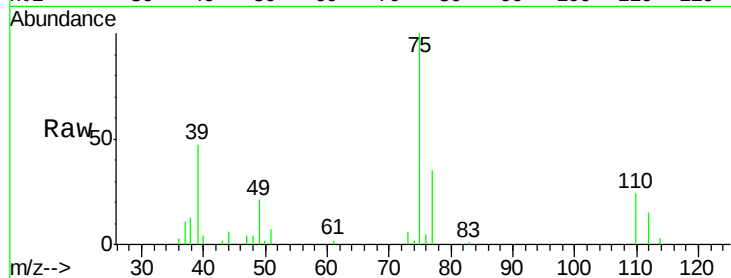
#53
t-1,3-Dichloropropene
Concen: 4.63 ug/l
RT: 7.89 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 13263
Ion Ratio Lower Upper
75 100
77 34.6 24.5 36.7

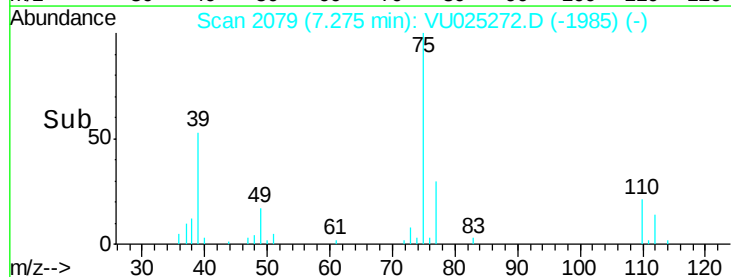
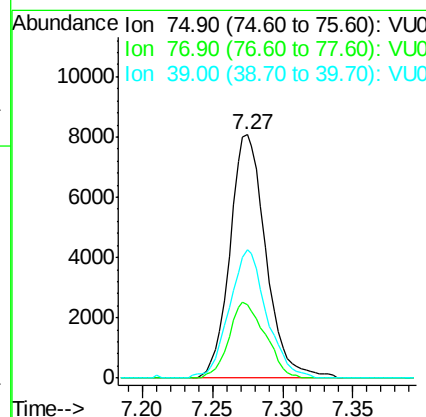
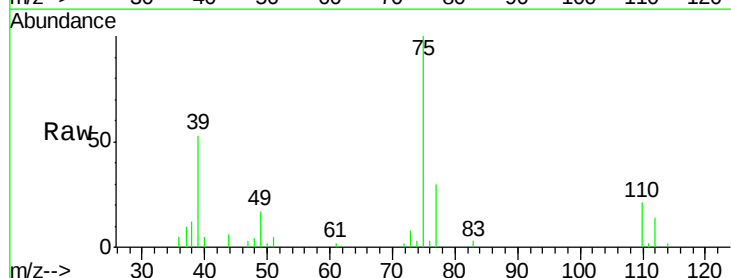
Manual Integrations
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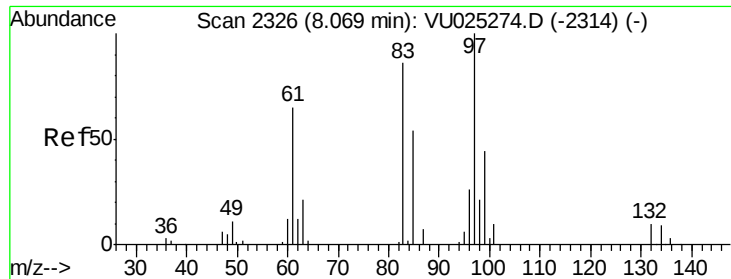
MMDadoda
7/10/2018 2:33:16 PM



#54
cis-1,3-Dichloropropene
Concen: 4.72 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion: 75 Resp: 14406
Ion Ratio Lower Upper
75 100
77 30.3 25.6 38.4
39 52.6 40.0 60.0





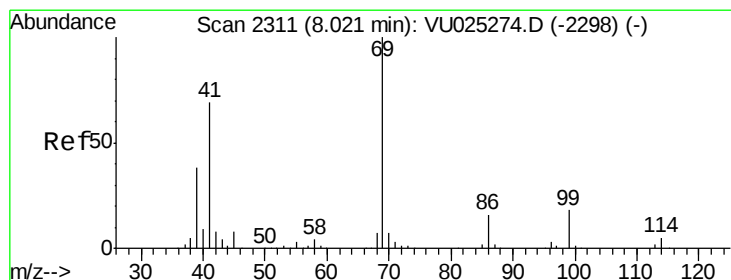
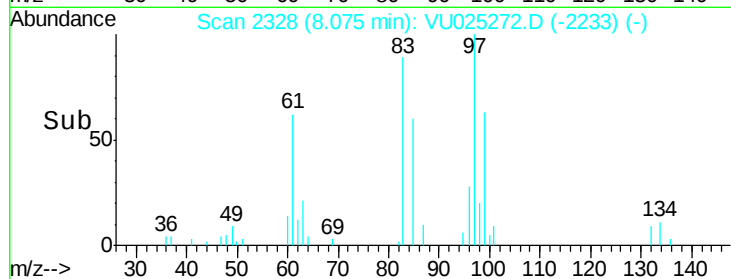
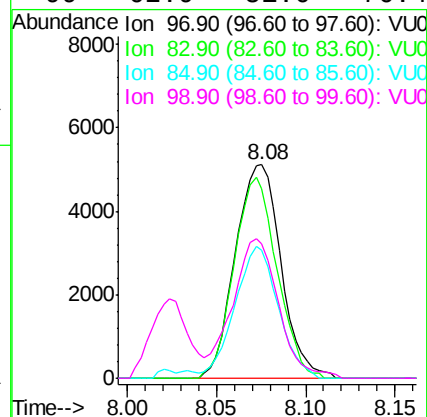
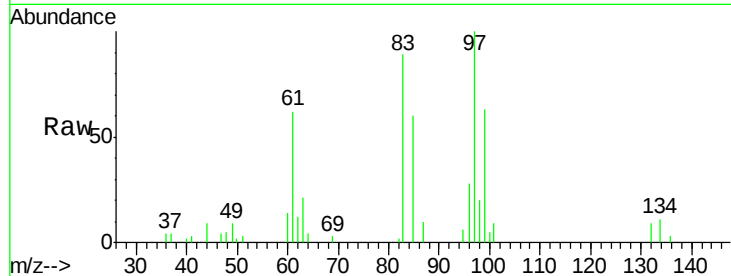
#55
 1,1,2-Trichloroethane
 Concen: 4.67 ug/l
 RT: 8.08 min Scan# 2328
 Delta R.T. 0.01 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	9125
Ion	Ratio	Lower	Upper
97	100		
83	88.6	68.9	103.3
85	59.6	44.4	66.6
99	62.9	51.0	76.4

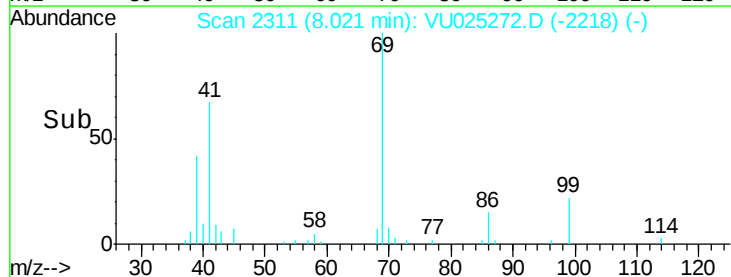
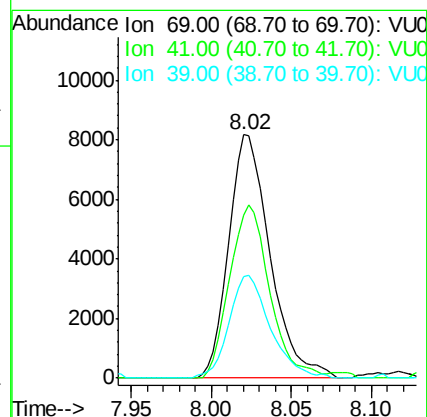
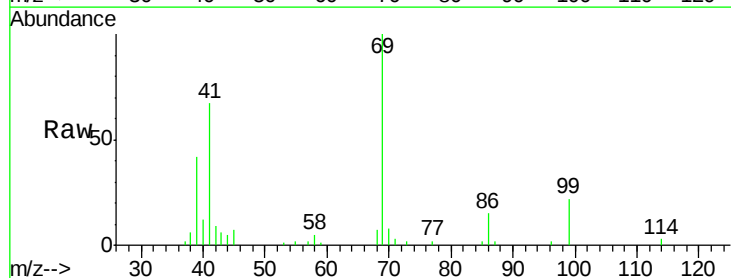
Manual Integrations
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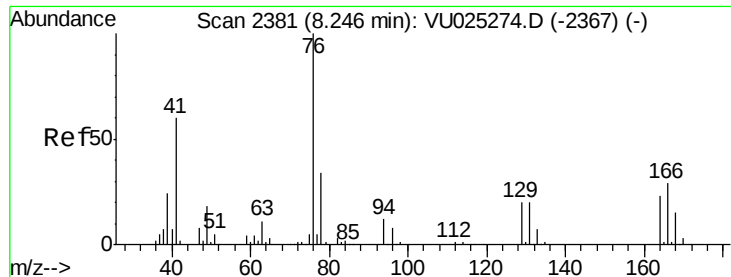
MMDadoda
 7/10/2018 2:33:16 PM



#56
 Ethyl methacrylate
 Concen: 4.74 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Tgt Ion:	69	Resp:	14447
Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.8	82.2
39	42.0	31.1	46.7





#57

1,3-Dichloropropane

Concen: 4.93 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 15985

Ion Ratio Lower Upper

76 100

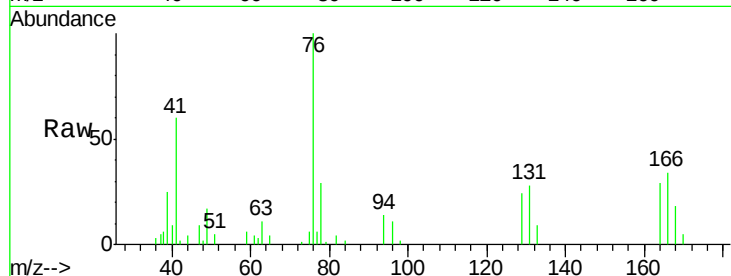
78 31.9 26.1 39.1

Manual Integrations

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MMDadoda

7/10/2018 2:33:16 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25

10000

8000

6000

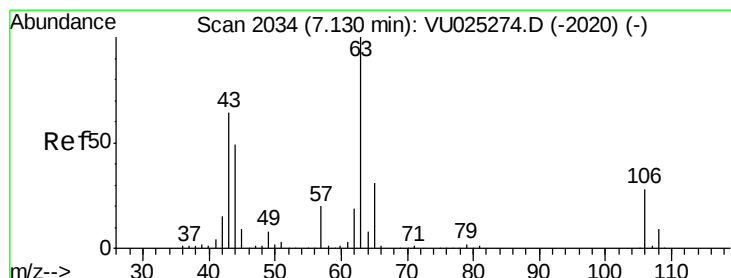
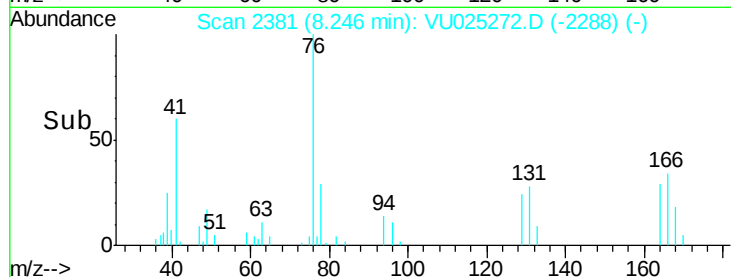
4000

2000

0

8.20 8.25 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 20.30 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU025272.D

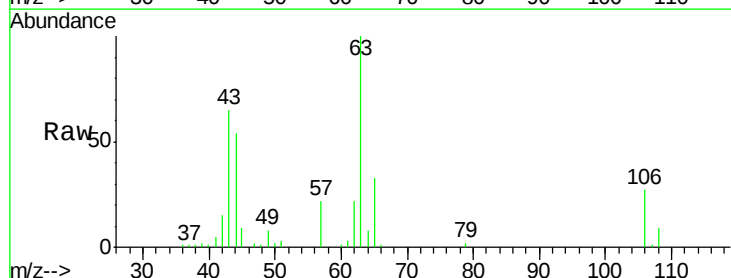
Acq: 09 Jul 2018 14:03

Tgt Ion: 63 Resp: 21847

Ion Ratio Lower Upper

63 100

106 26.3 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

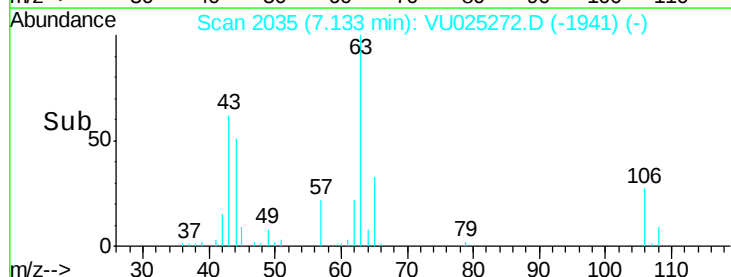
10000

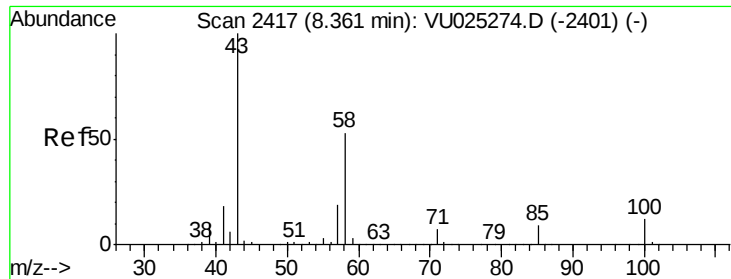
5000

0

7.10 7.15 7.20

Time-->





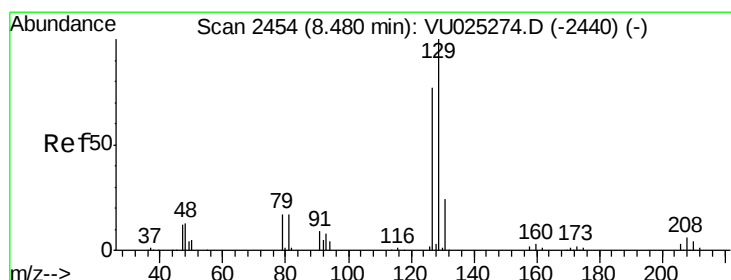
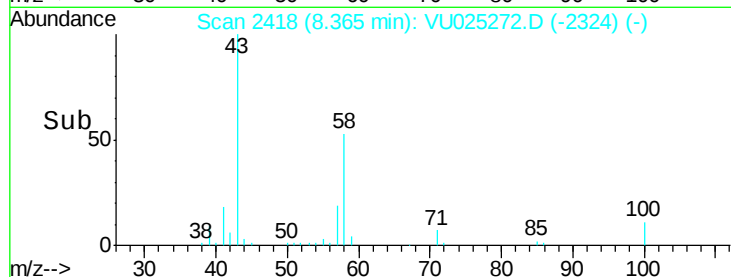
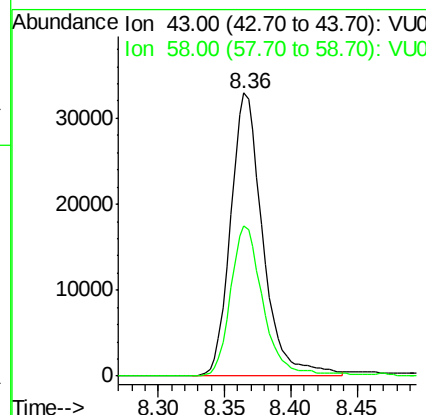
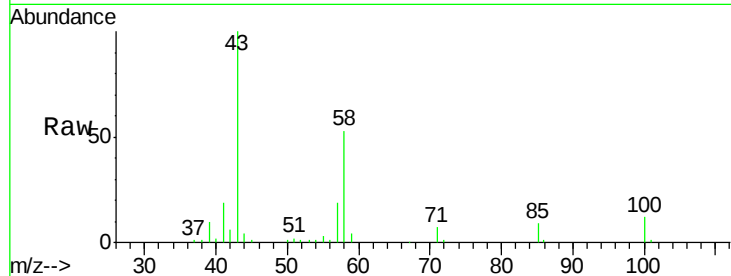
#59
2-Hexanone
Concen: 23.16 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 55758
Ion Ratio Lower Upper
43 100
58 53.1 26.2 78.5

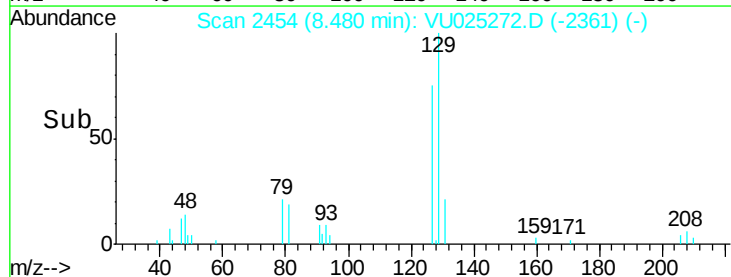
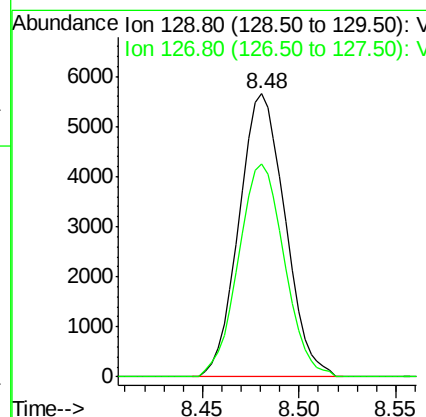
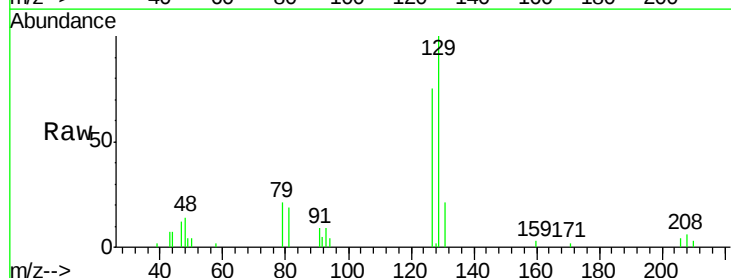
Manual Integrations
APPROVED

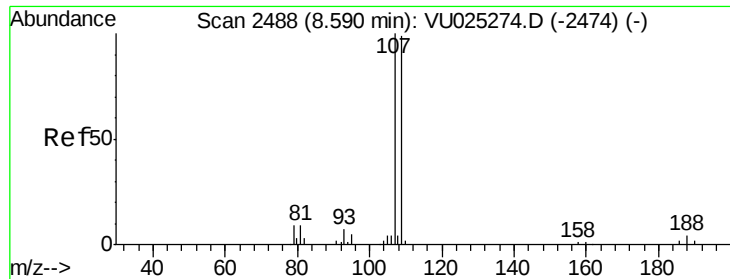
MMDadoda
7/10/2018 2:33:16 PM



#60
Dibromochloromethane
Concen: 4.45 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion: 129 Resp: 9379
Ion Ratio Lower Upper
129 100
127 75.0 38.6 115.8





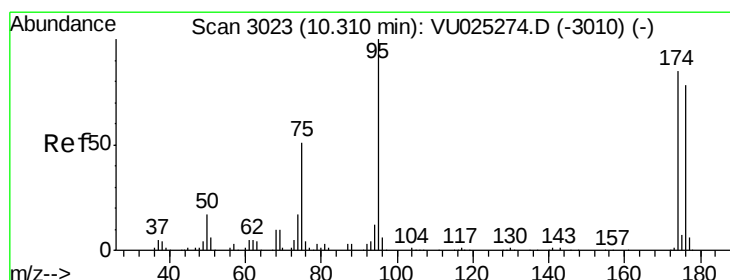
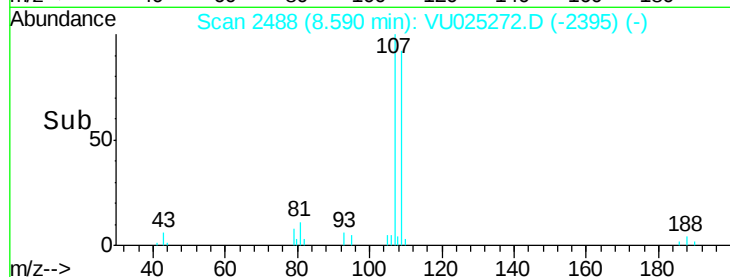
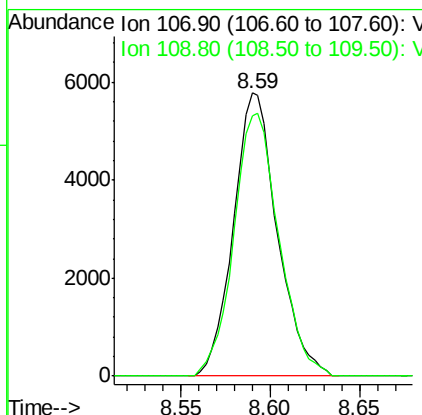
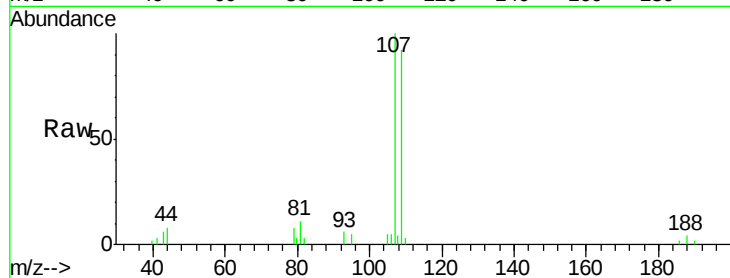
#61
 1,2-Dibromoethane
 Concen: 4.75 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.8	113.8

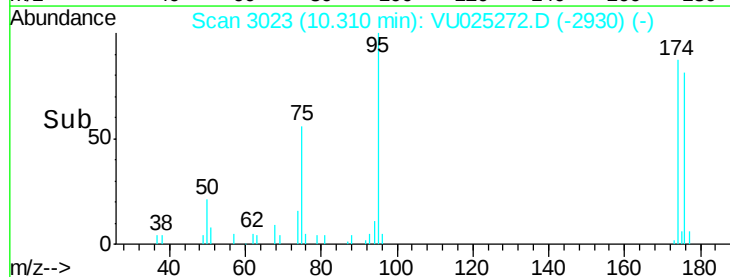
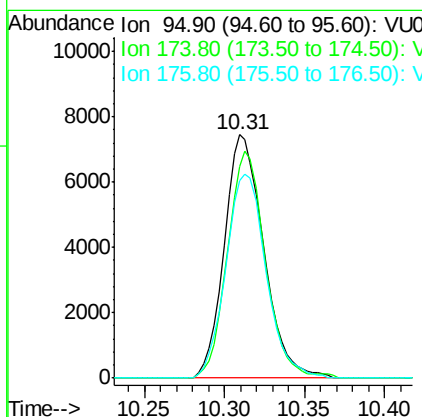
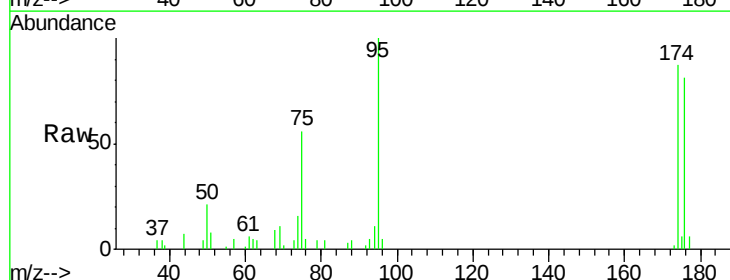
Manual Integrations
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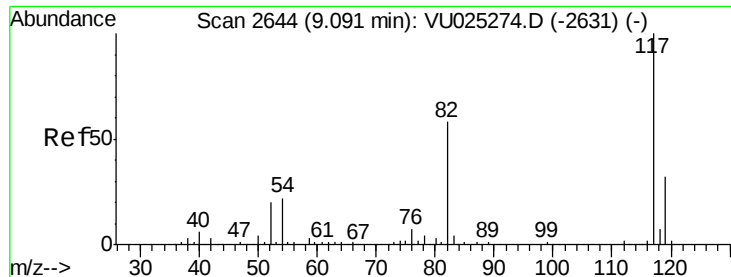
MMDadoda
 7/10/2018 2:33:16 PM



#62
 4-Bromofluorobenzene
 Concen: 4.68 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	172.2
176	85.4	0.0	162.6





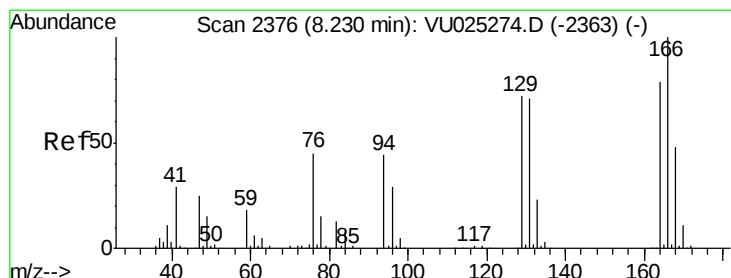
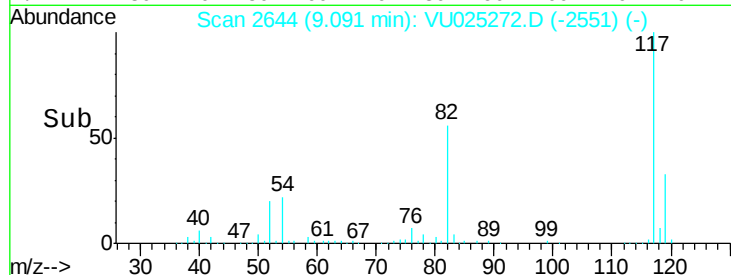
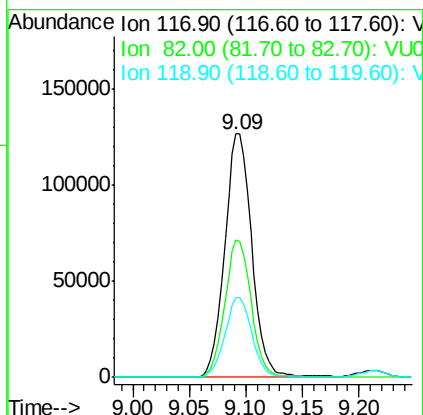
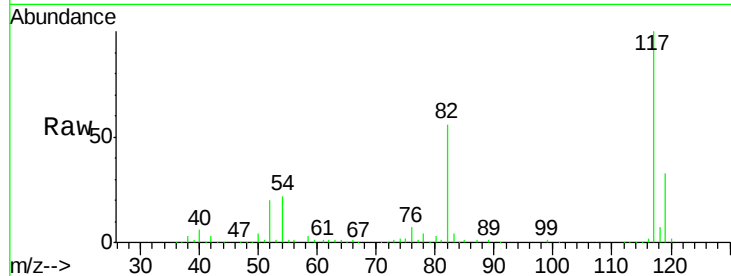
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.0	69.0
119	32.8	26.0	39.0

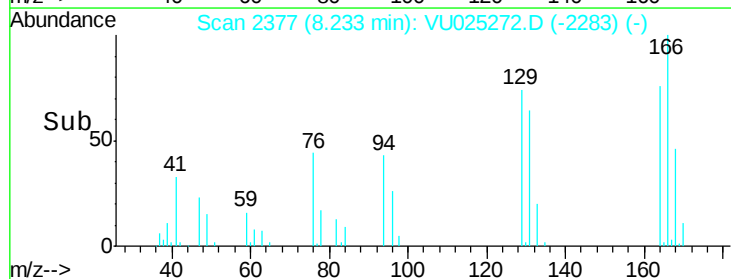
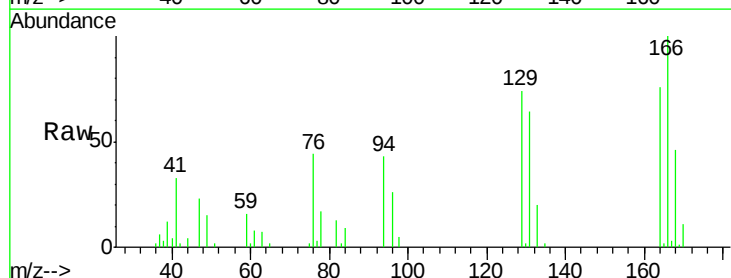
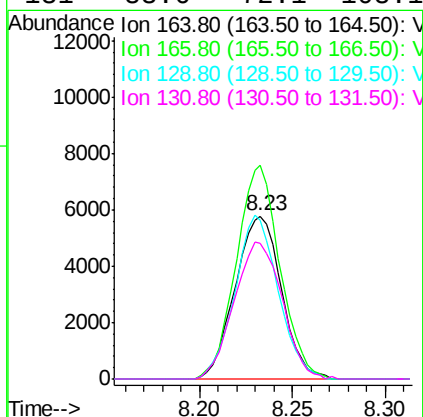
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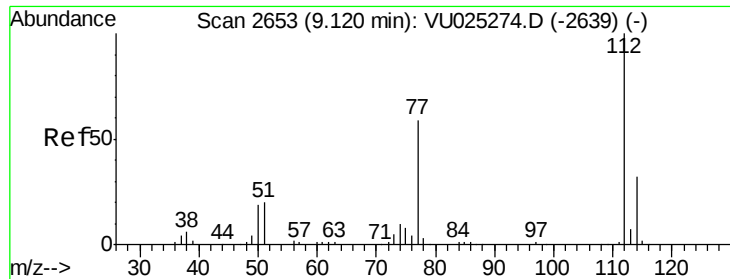
MMDadoda
7/10/2018 2:33:16 PM



#64
Tetrachloroethene
Concen: 5.21 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	101.1	151.7
129	97.3	73.0	109.6
131	83.6	72.1	108.1





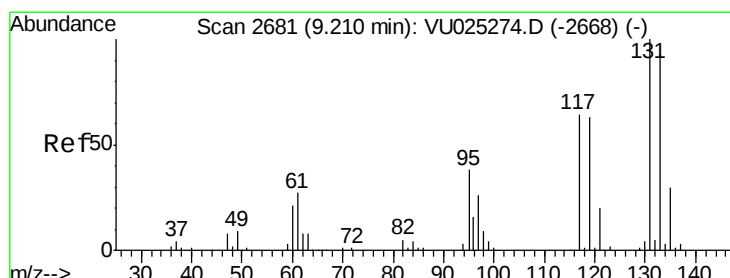
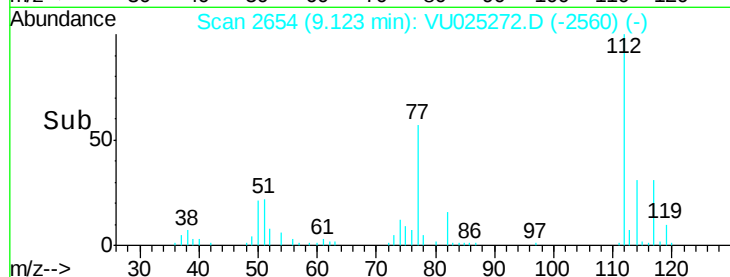
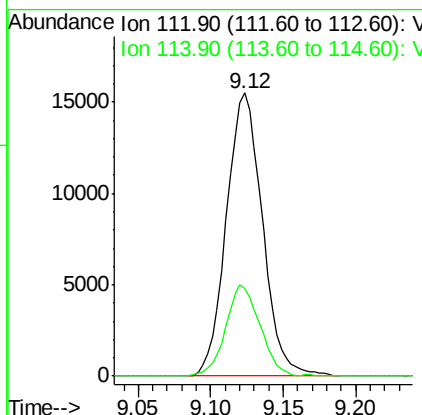
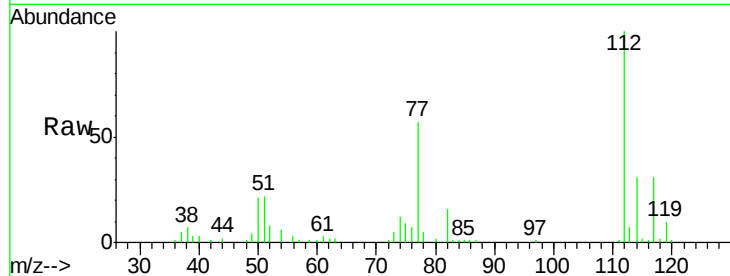
#65
Chlorobenzene
Concen: 5.07 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 26811
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.8

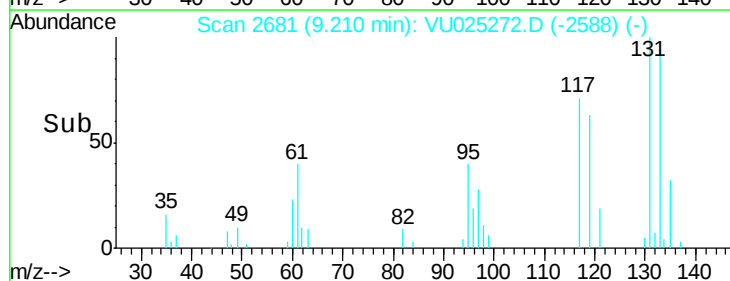
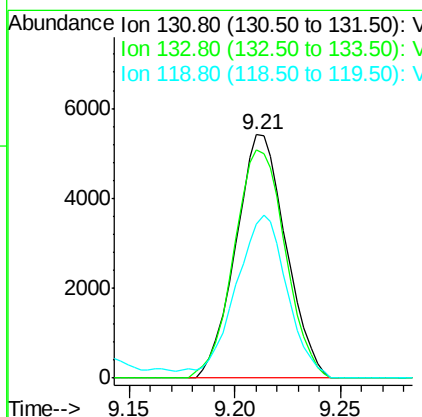
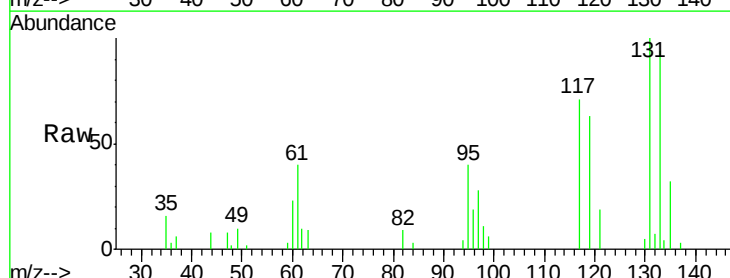
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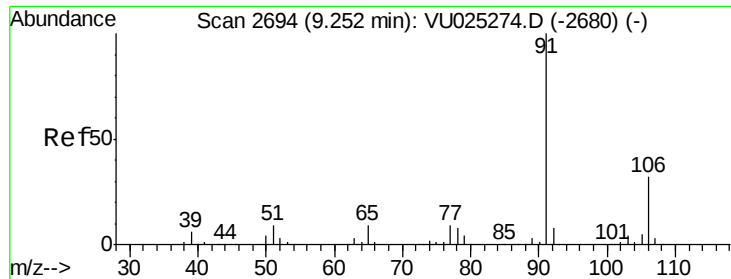
MMDadoda
7/10/2018 2:33:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.74 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion:131 Resp: 8959
Ion Ratio Lower Upper
131 100
133 95.8 47.8 143.3
119 68.8 31.6 95.0





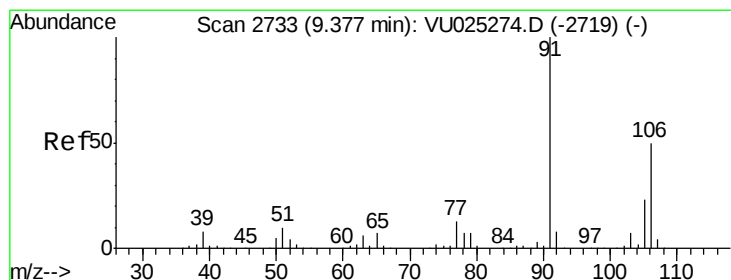
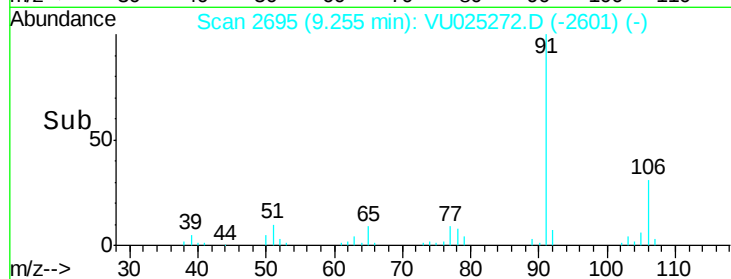
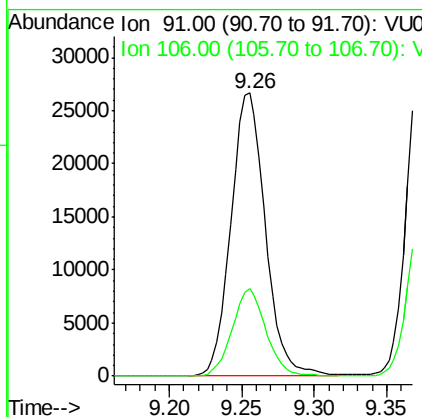
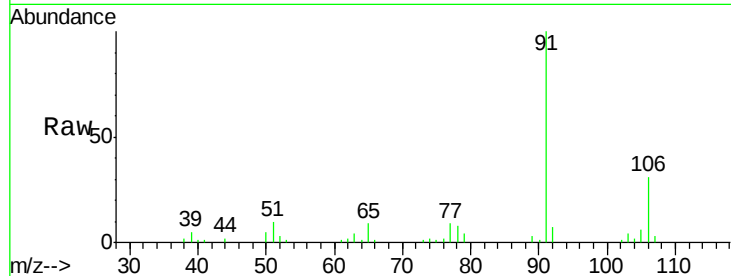
#67
Ethyl Benzene
Concen: 4.88 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 43949
Ion Ratio Lower Upper
91 100
106 30.8 25.3 37.9

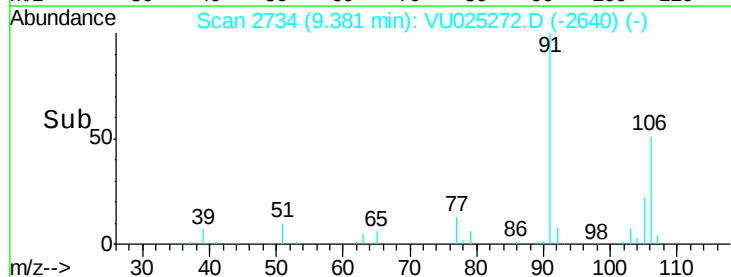
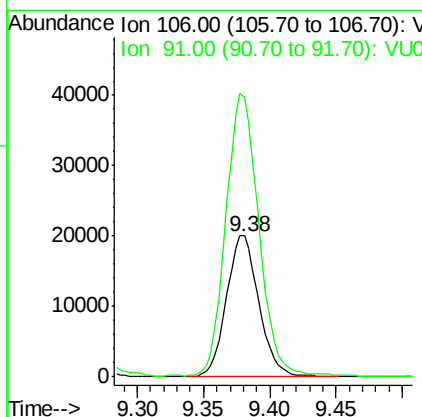
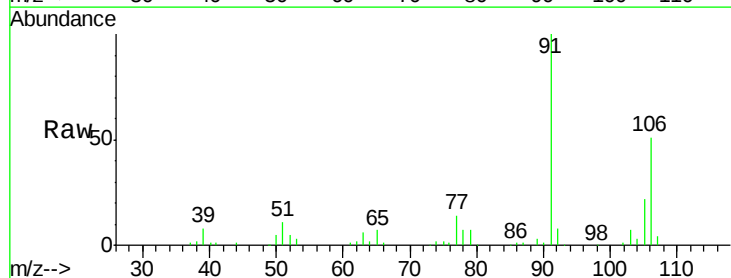
Manual Integrations
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7/10/2018 2:33:16 PM



#68
m/p-Xylenes
Concen: 9.82 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion: 106 Resp: 34204
Ion Ratio Lower Upper
106 100
91 205.3 162.3 243.5





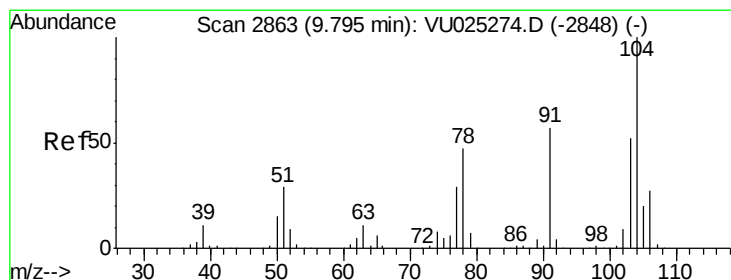
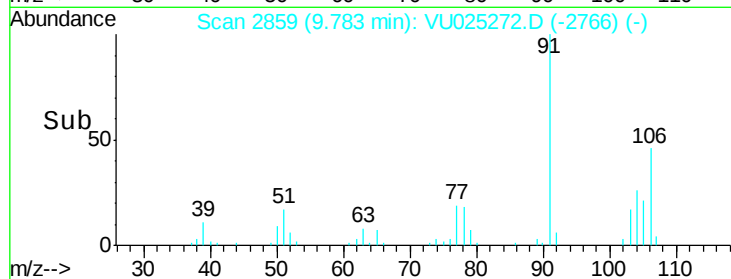
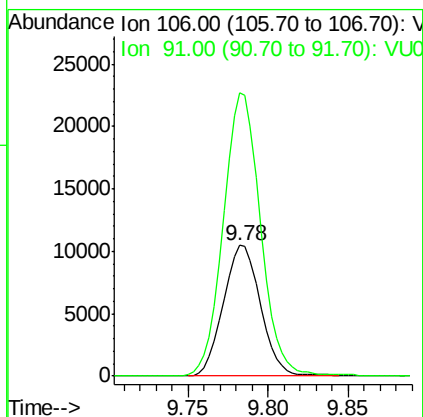
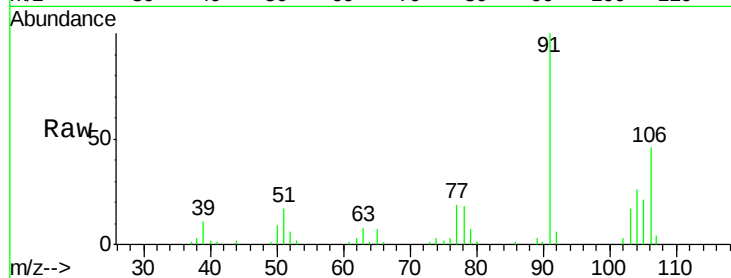
#69
o-Xylene
Concen: 4.79 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 16686
Ion Ratio Lower Upper
106 100
91 215.7 105.3 315.8

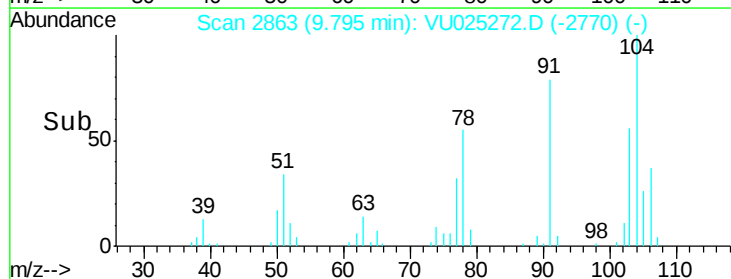
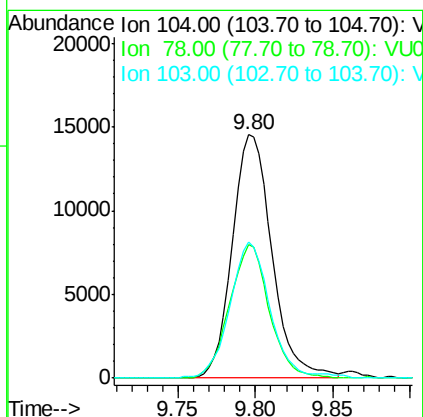
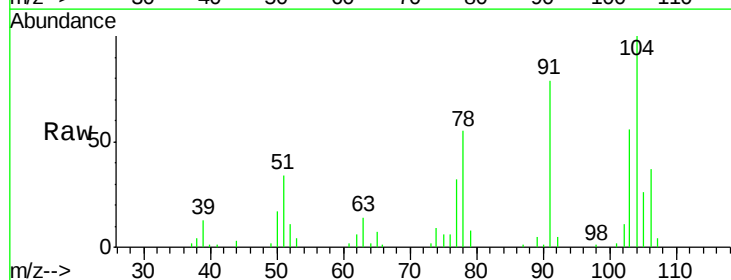
Manual Integrations
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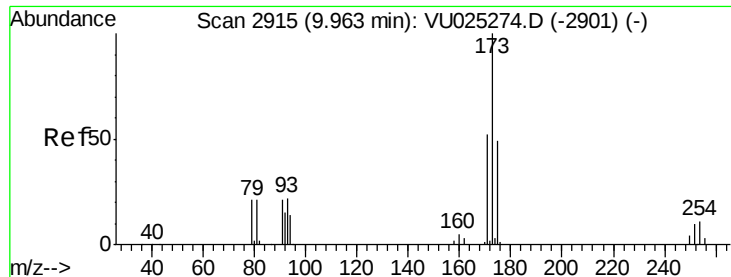
MMDadoda
7/10/2018 2:33:16 PM



#70
Styrene
Concen: 4.68 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion:104 Resp: 25932
Ion Ratio Lower Upper
104 100
78 54.8 41.6 62.4
103 56.7 44.6 66.8





#71

Bromoform

Concen: 4.16 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

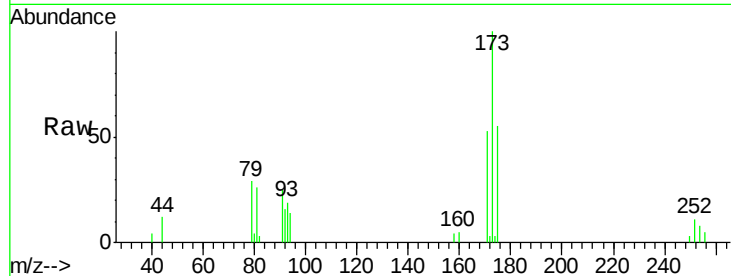
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.9	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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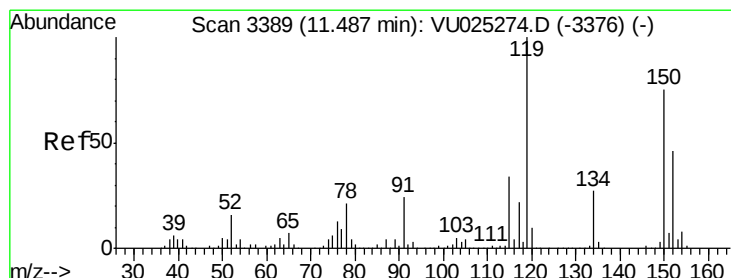
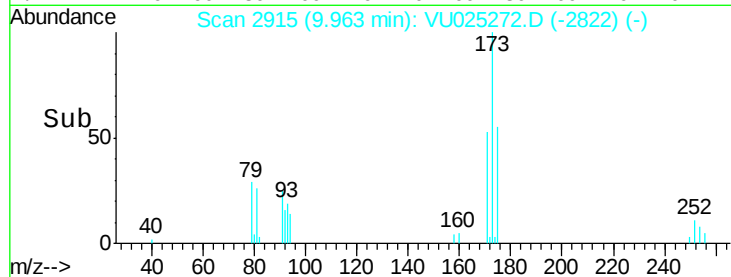
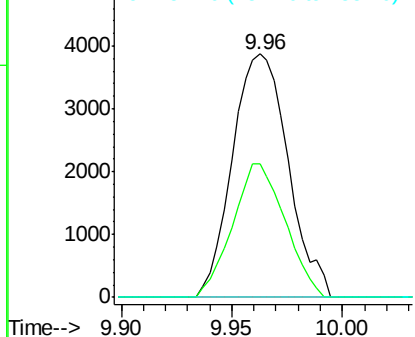


Abundance

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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

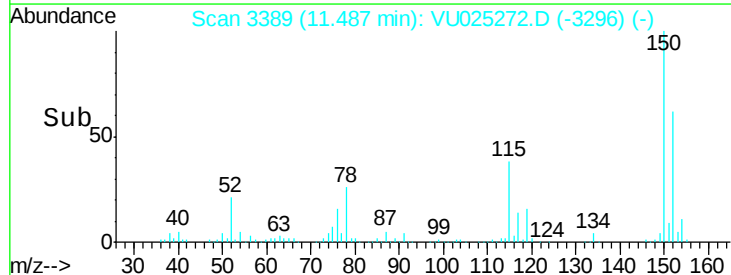
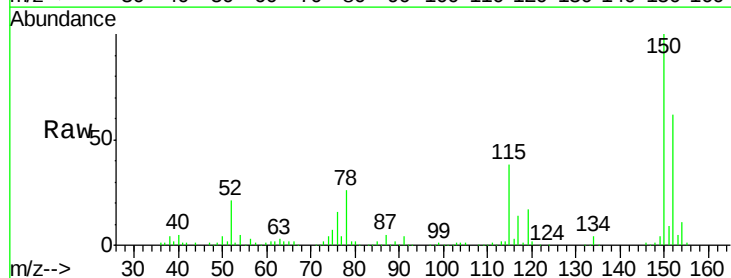
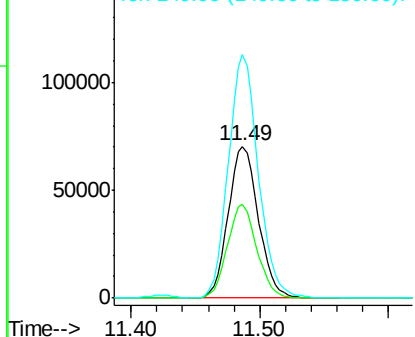
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	40.1	120.3
150	158.5	0.0	351.4

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





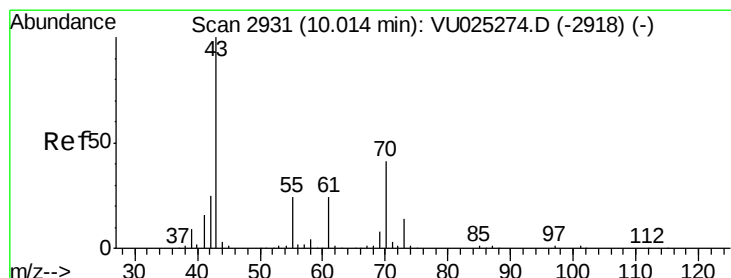
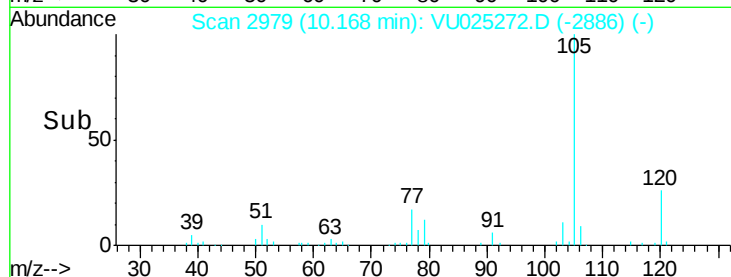
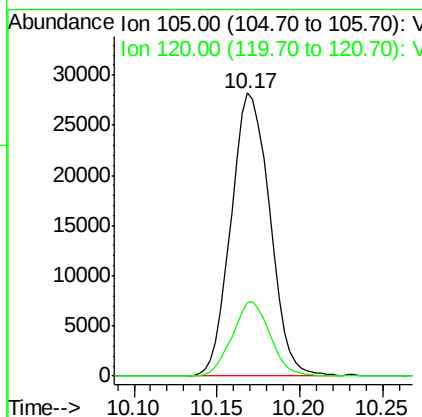
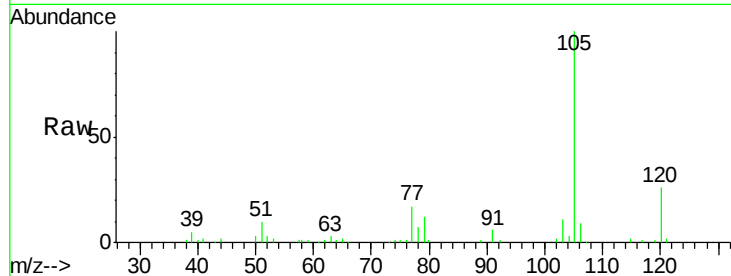
#73
Isopropylbenzene
Concen: 5.26 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.5	40.5

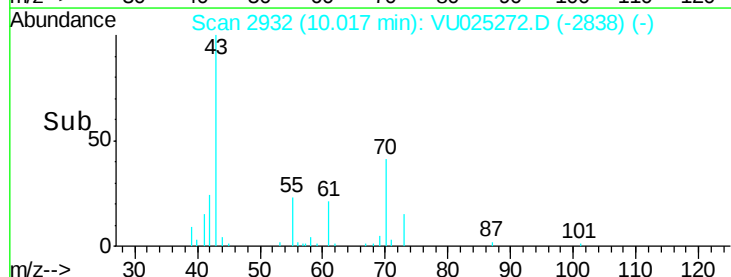
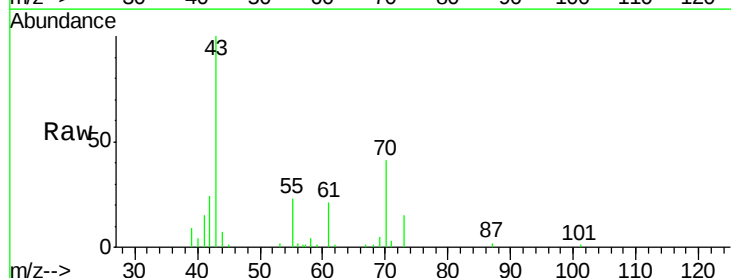
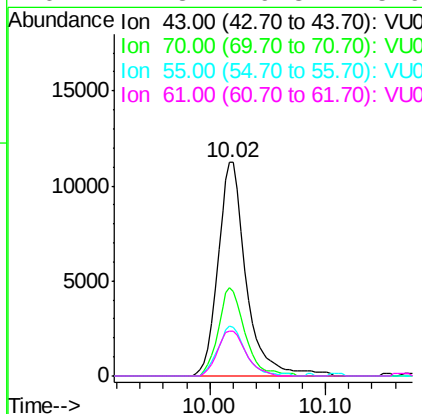
Manual Integrations
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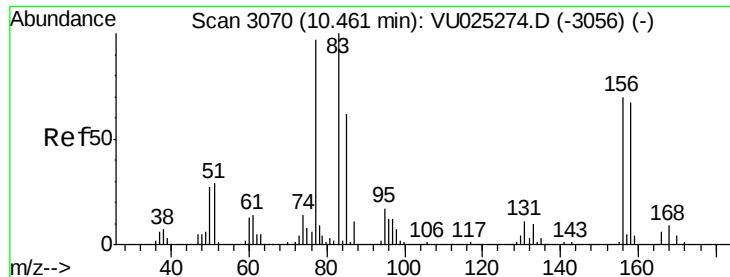
MMDadoda
7/10/2018 2:33:16 PM



#74
N-ethyl acetate
Concen: 5.03 ug/l
RT: 10.02 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.0	33.4	50.2
55	22.5	19.0	28.6
61	21.3	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.08 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 14506

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

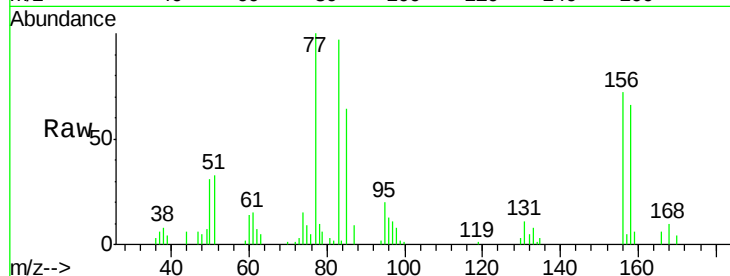
85 64.8 31.6 94.8

Manual Integrations

APPROVED

MMDadoda

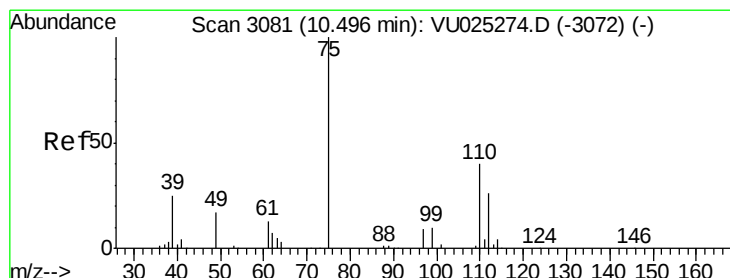
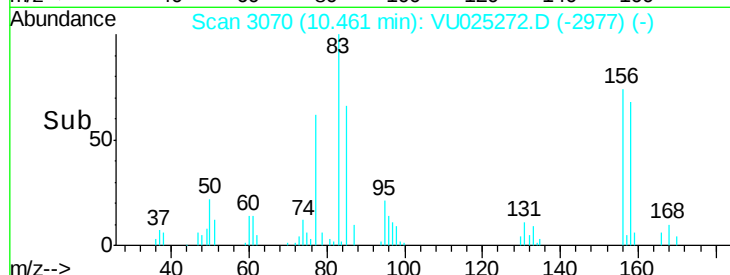
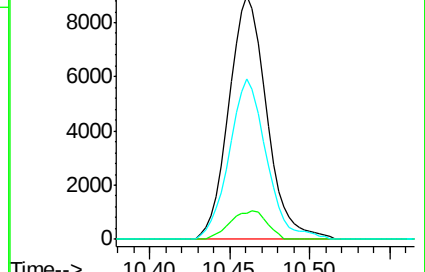
7/10/2018 2:33:16 PM



Abundance Ion 82.90 (82.60 to 83.60): VU025272.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025272.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025272.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 5.02 ug/l m

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025272.D

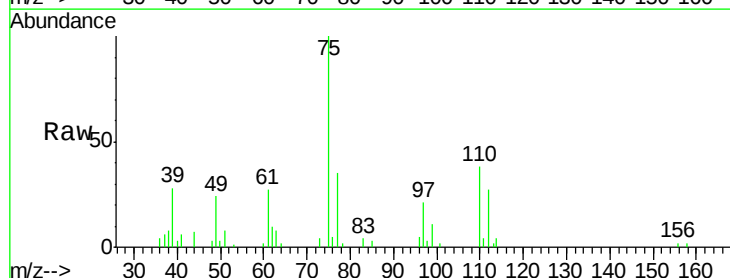
Acq: 09 Jul 2018 14:03

Tgt Ion: 75 Resp: 12940

Ion Ratio Lower Upper

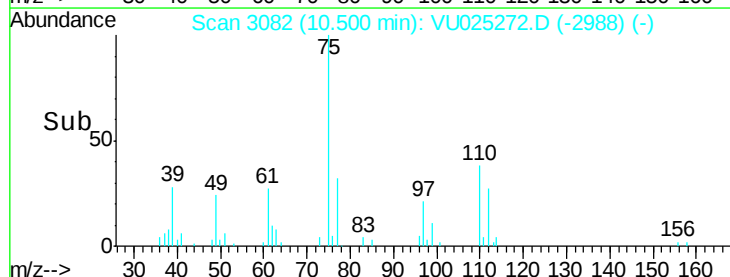
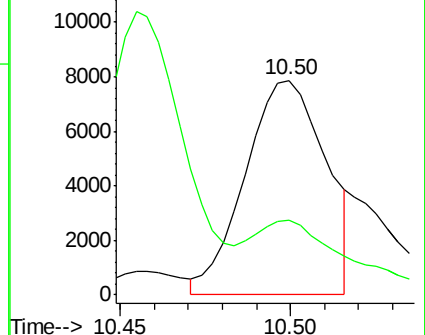
75 100

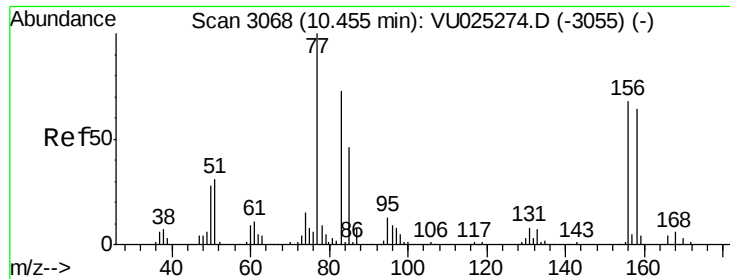
77 43.2 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025272.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025272.D (-2988) (-)





#77

Bromobenzene

Concen: 5.12 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 11430

Ion Ratio Lower Upper

156 100

77 149.2 73.8 221.4

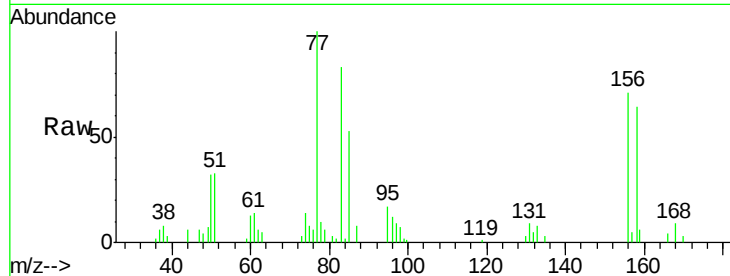
158 93.8 48.0 144.0

Manual Integrations

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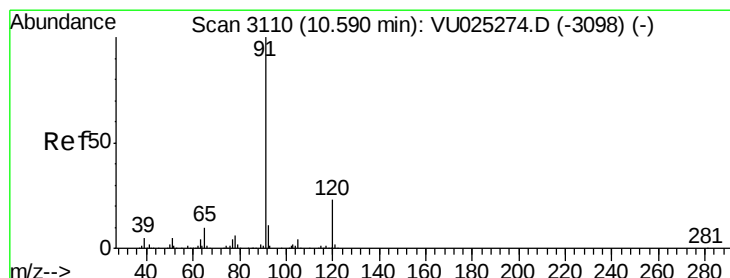
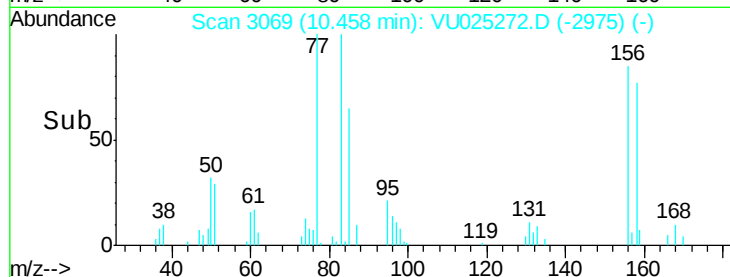
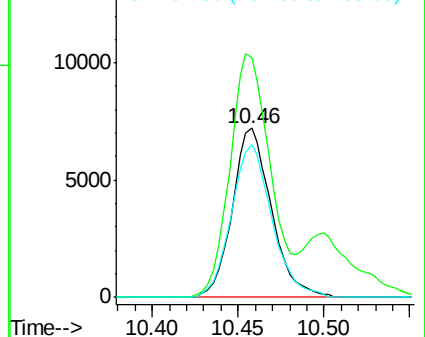
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.15 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025272.D

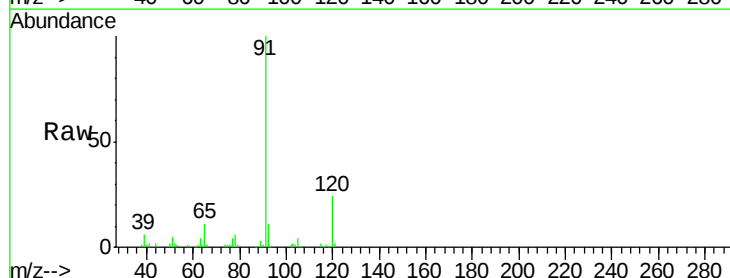
Acq: 09 Jul 2018 14:03

Tgt Ion: 91 Resp: 49850

Ion Ratio Lower Upper

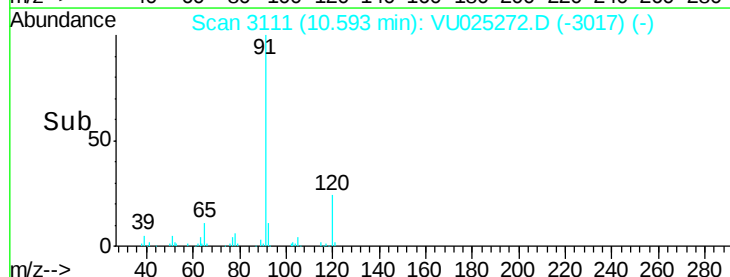
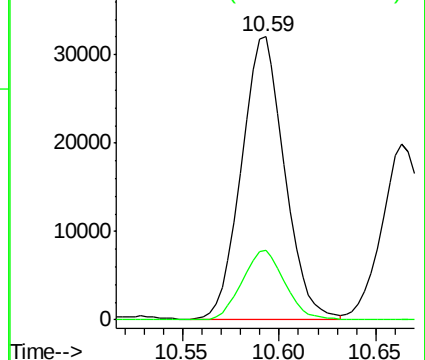
91 100

120 24.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.20 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 31516

Ion Ratio Lower Upper

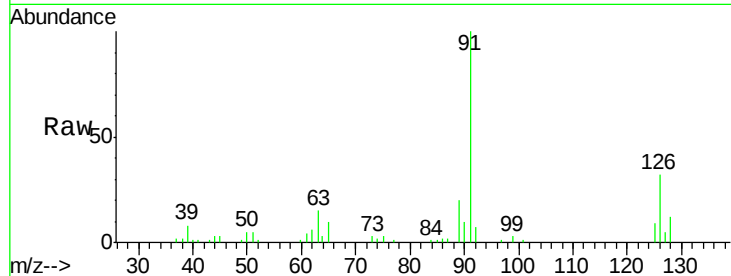
91 100

126 33.3 17.5 52.6

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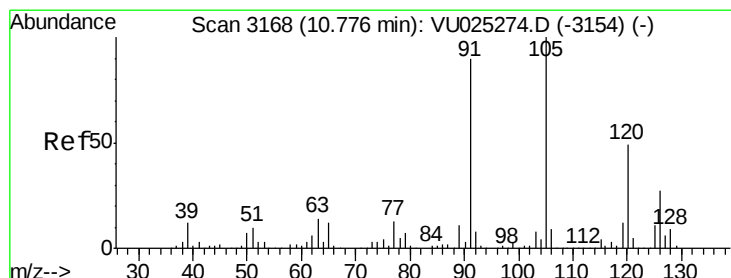
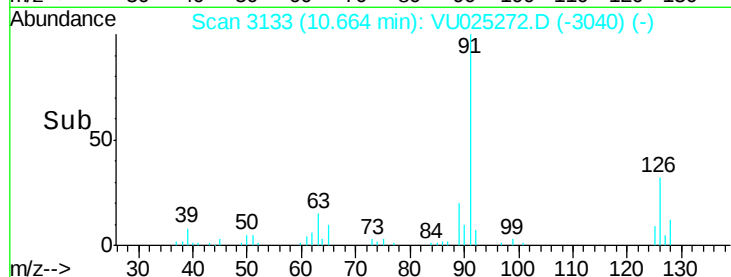
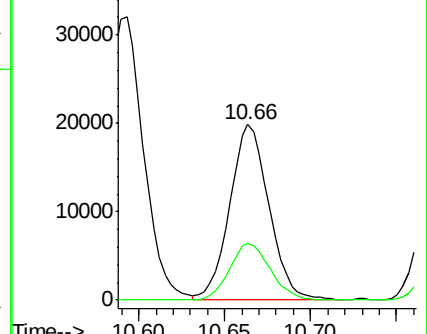
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Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.06 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025272.D

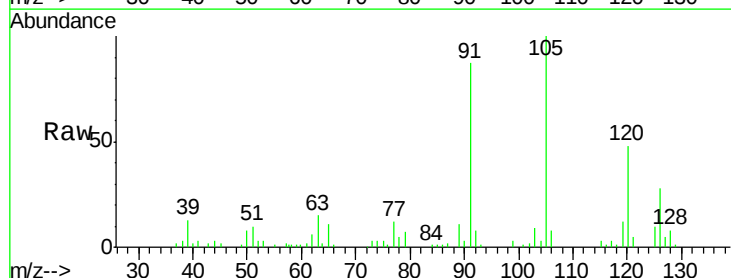
Acq: 09 Jul 2018 14:03

Tgt Ion: 105 Resp: 37171

Ion Ratio Lower Upper

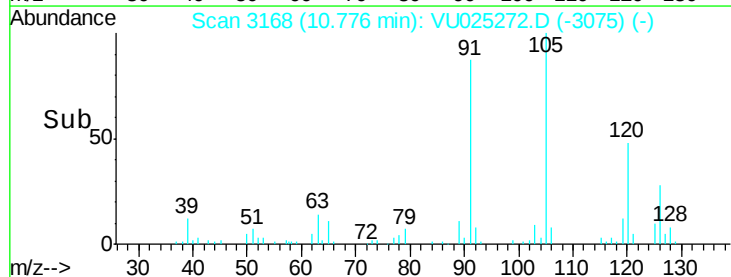
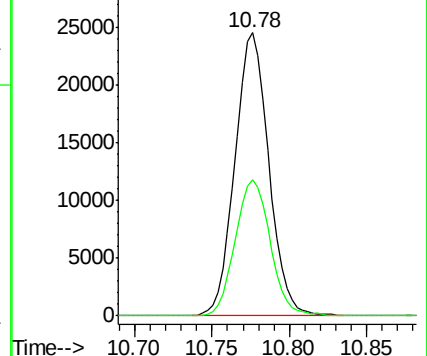
105 100

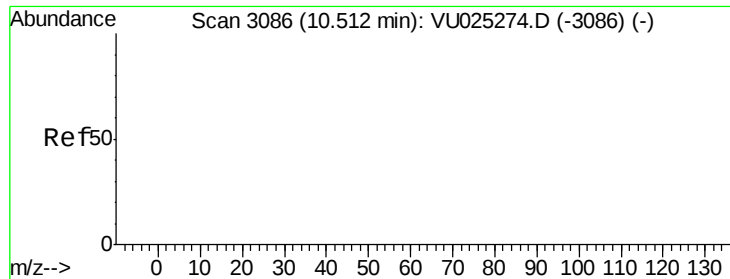
120 49.5 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3154) (-)





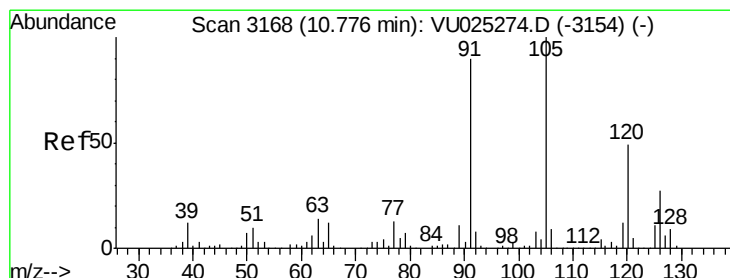
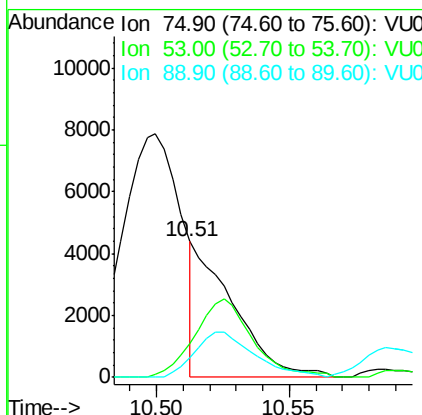
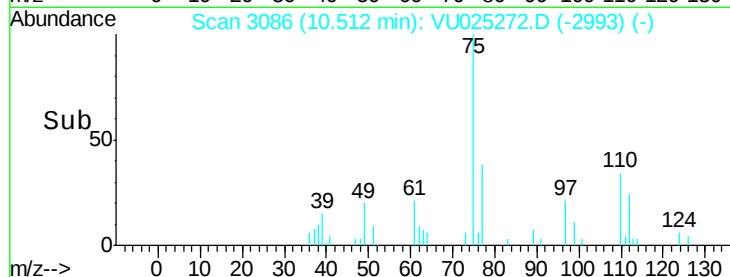
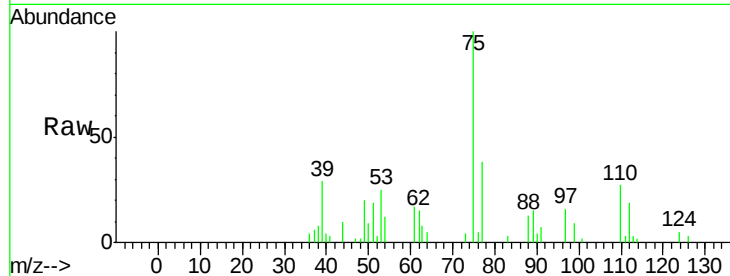
#81
trans-1,4-Dichloro-2-butene
Concen: 4.79 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

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

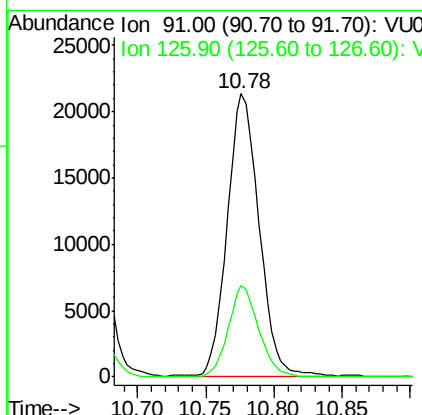
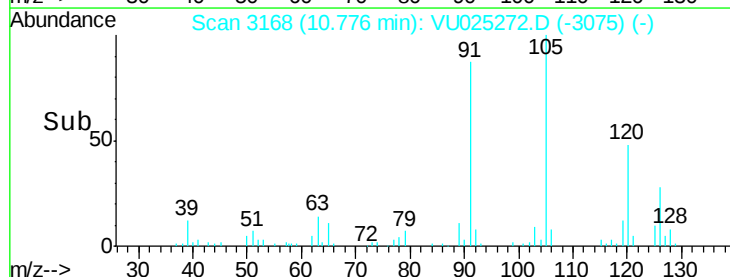
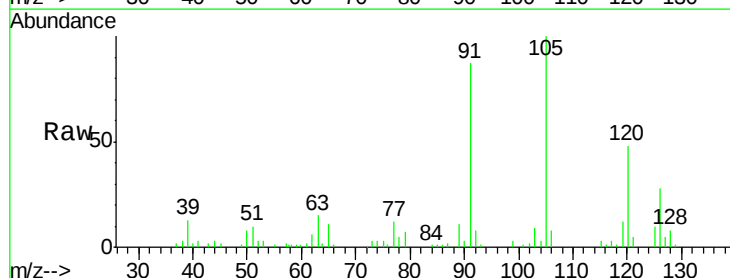
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#82
4-Chlorotoluene
Concen: 5.09 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.3	45.9





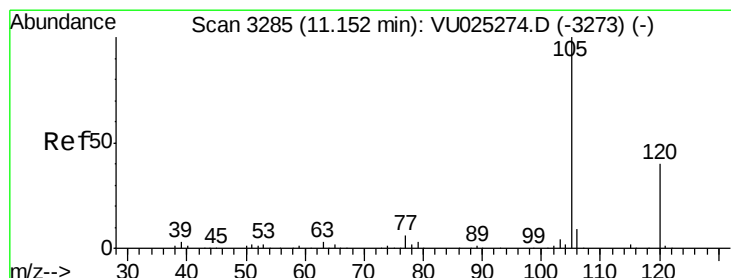
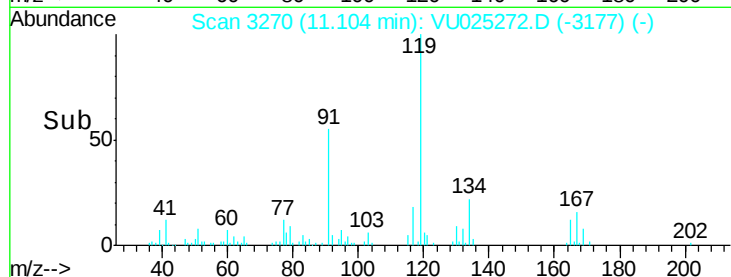
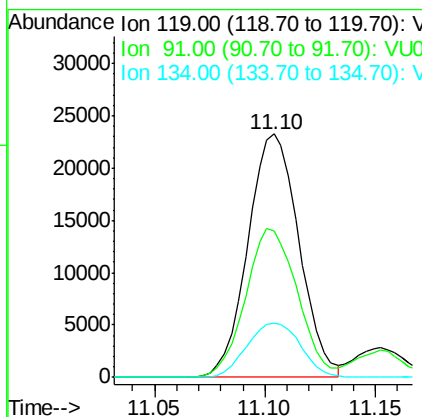
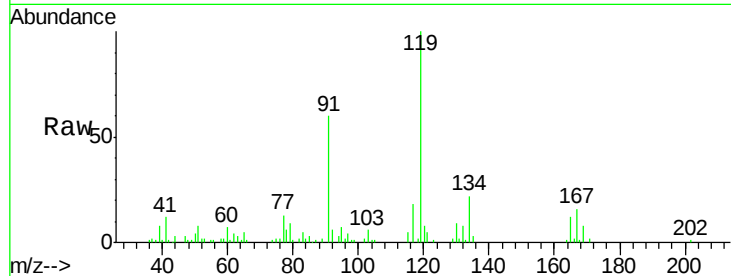
#83
 tert-Butylbenzene
 Concen: 5.02 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		37247		
91	62.3	29.7	89.1		
134	23.3	11.5	34.5		

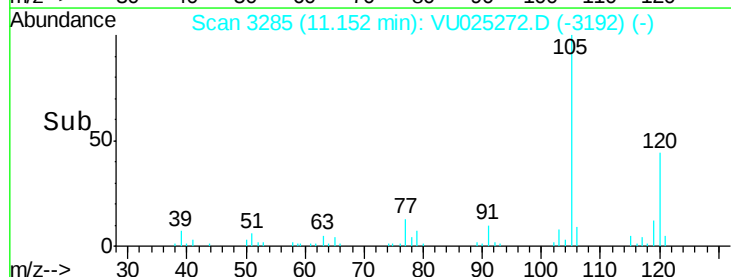
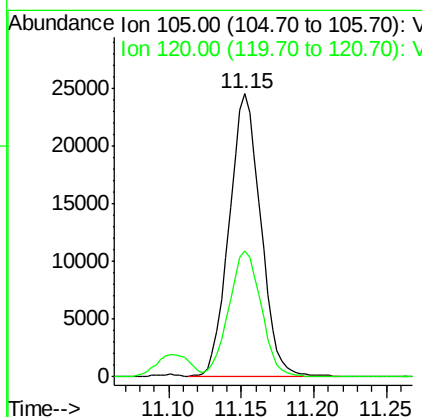
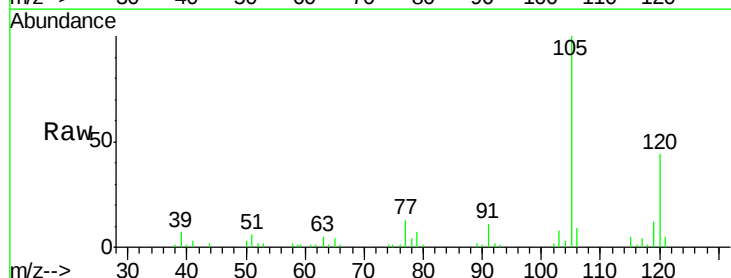
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.93 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		37098		
120	45.6	22.3	66.8		





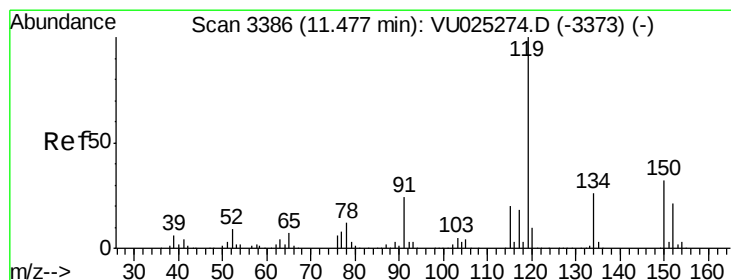
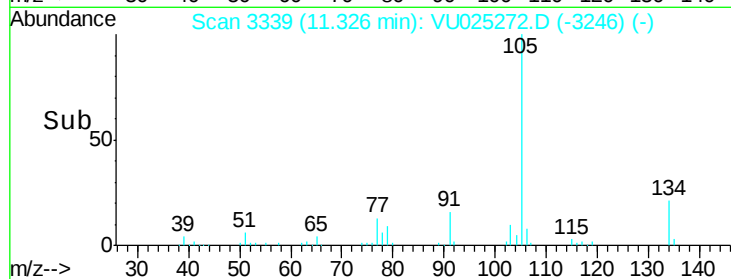
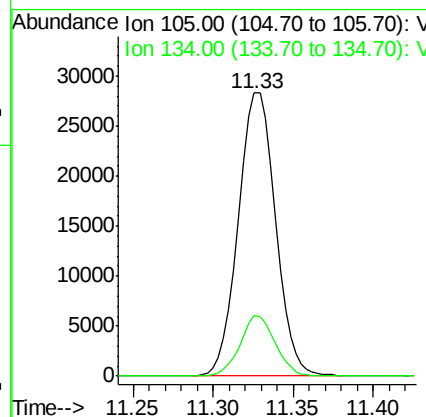
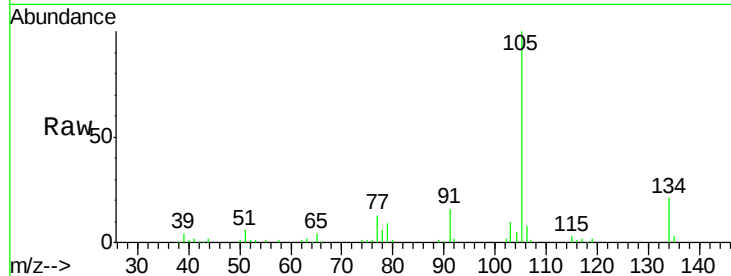
#85
 sec-Butylbenzene
 Concen: 5.14 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 44905
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.3 30.8

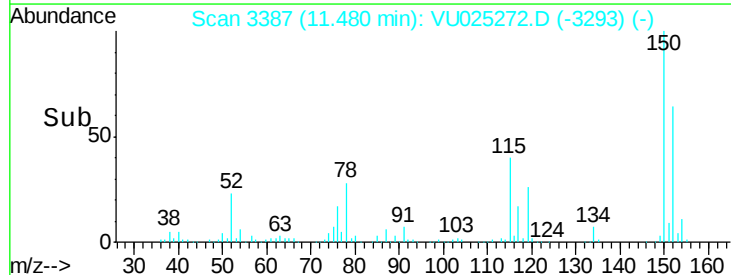
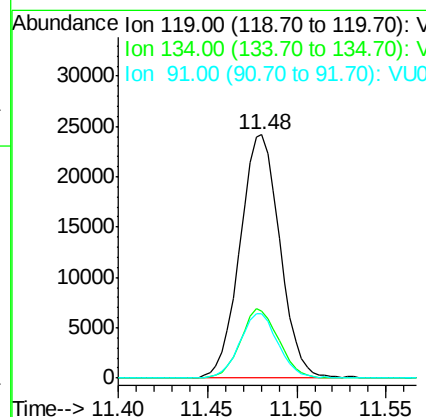
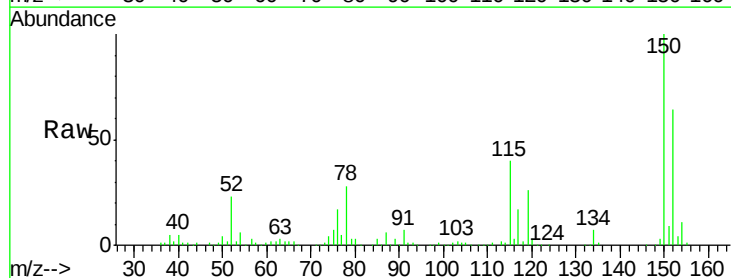
Manual Integrations
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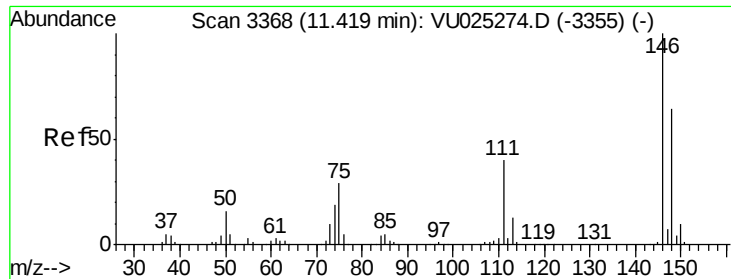
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#86
 p-Isopropyltoluene
 Concen: 4.86 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Tgt Ion:119 Resp: 37589
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.2 39.5
 91 25.4 12.0 36.1





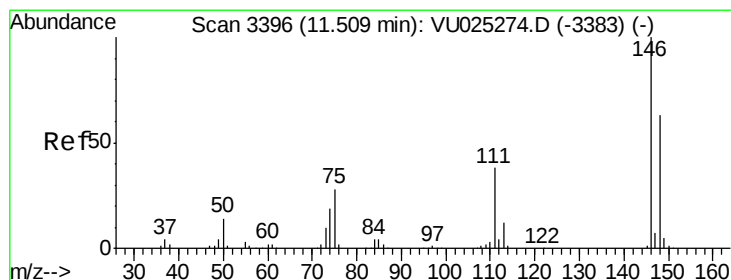
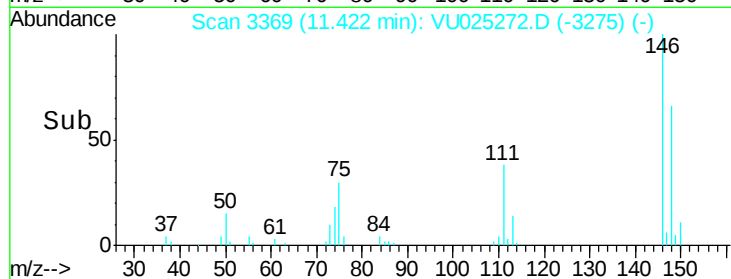
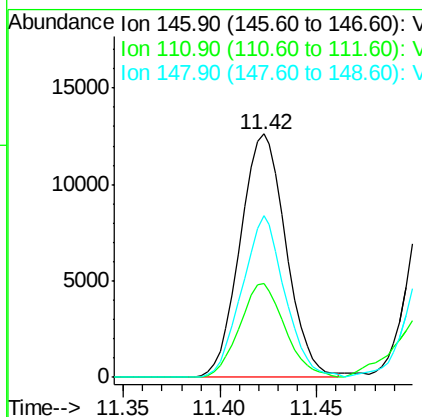
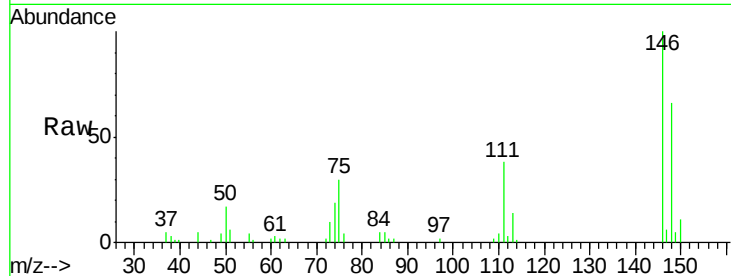
#87
 1,3-Dichlorobenzene
 Concen: 5.10 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.1
148	61.9	32.1	96.3

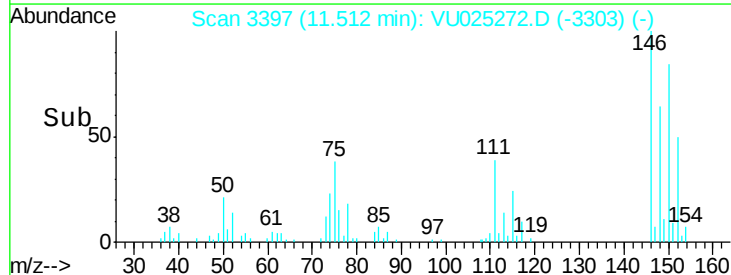
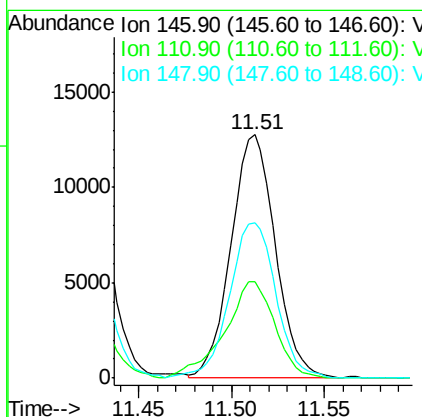
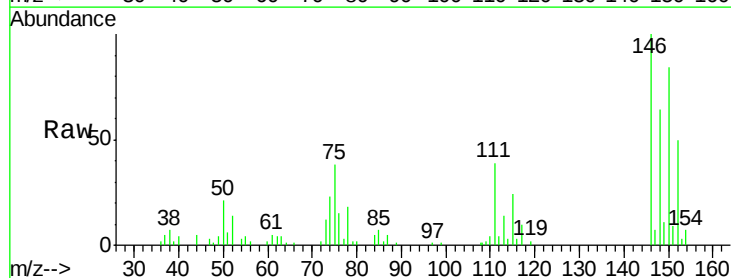
Manual Integrations
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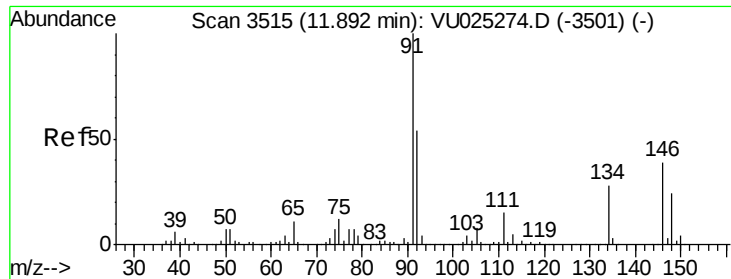
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#88
 1,4-Dichlorobenzene
 Concen: 5.05 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	19.4	58.1
148	66.9	31.7	95.1





#89

n-Butylbenzene

Concen: 4.61 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Instrument :

MSVOA_U

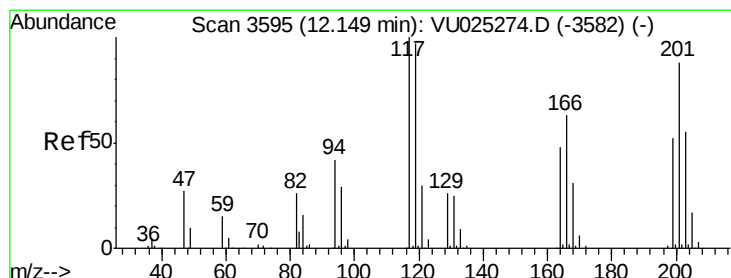
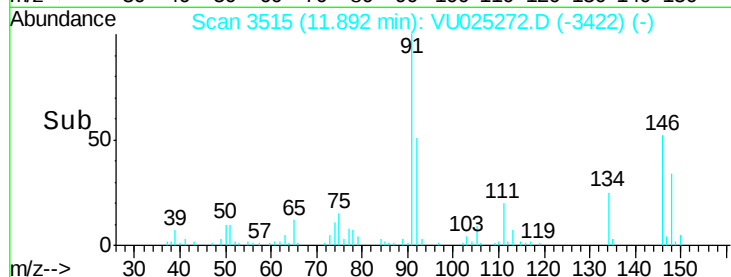
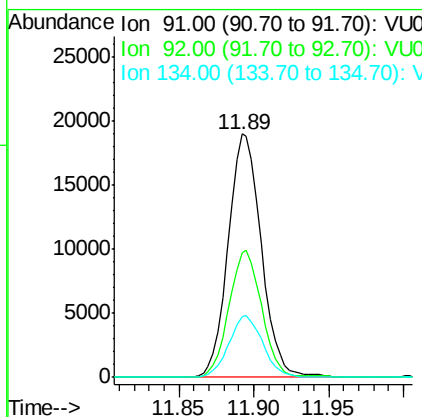
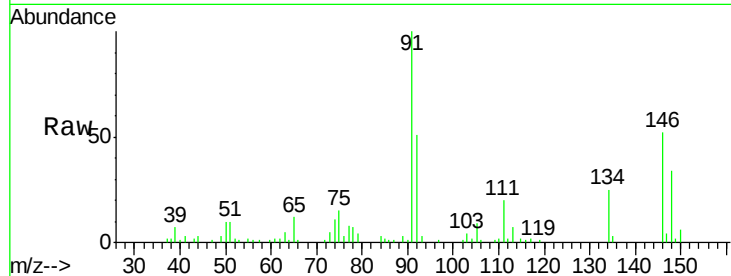
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	29331
Ion Ratio	Lower	Upper	
91	100		
92	51.1	26.5	79.5
134	25.8	13.6	40.7

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#90

Hexachloroethane

Concen: 4.63 ug/l

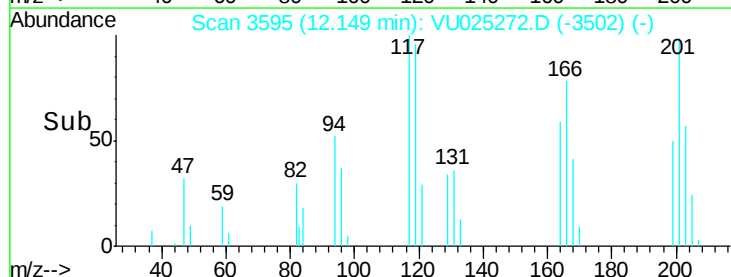
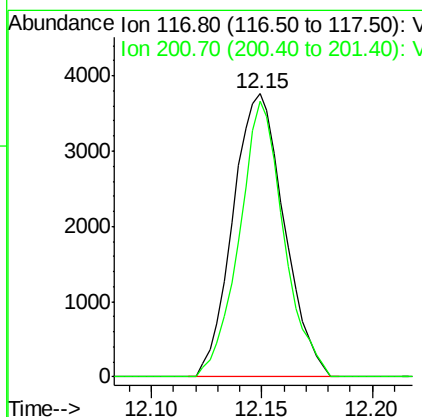
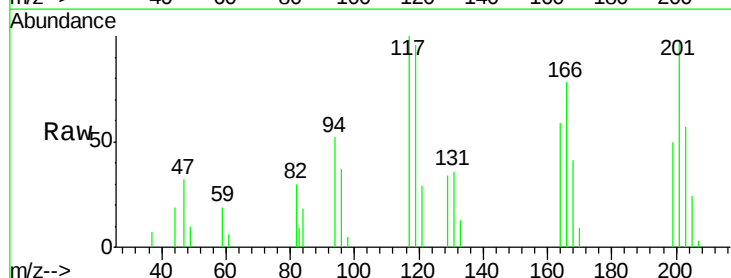
RT: 12.15 min Scan# 3595

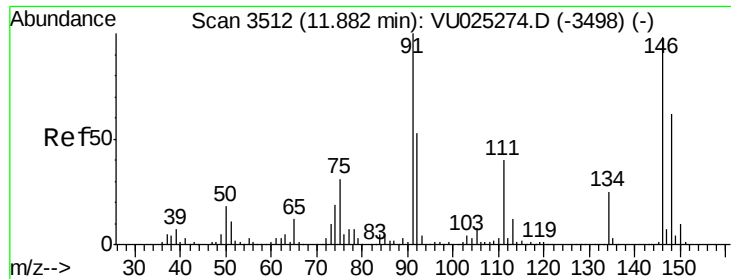
Delta R.T. -0.00 min

Lab File: VU025272.D

Acq: 09 Jul 2018 14:03

Tgt Ion:	117	Resp:	6059
Ion Ratio	Lower	Upper	
117	100		
201	84.6	42.5	127.6





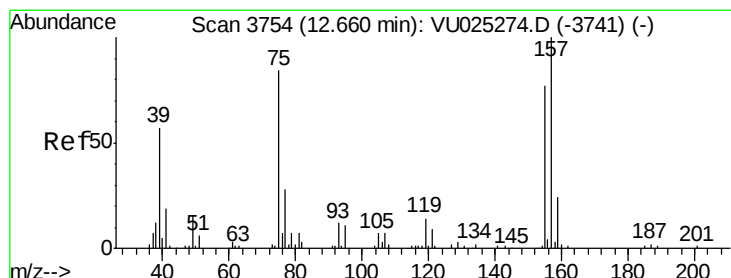
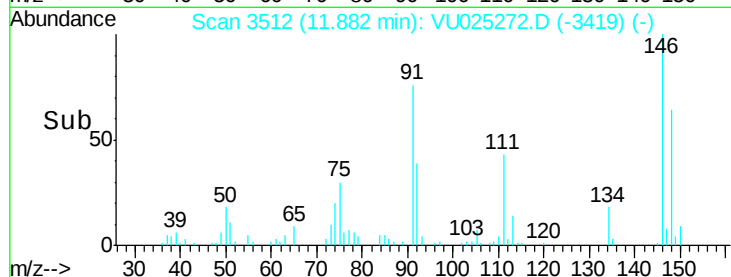
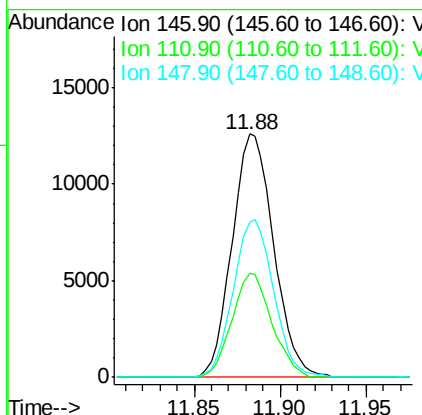
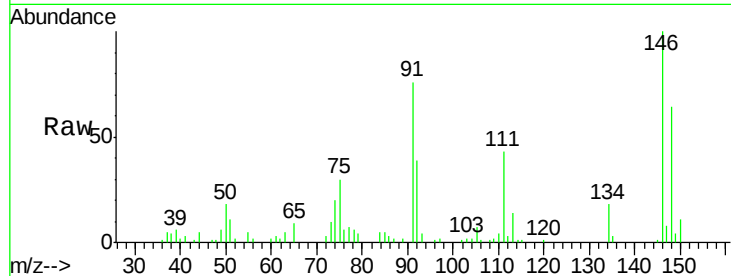
#91
 1,2-Dichlorobenzene
 Concen: 5.13 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.8
148	63.1	31.5	94.5

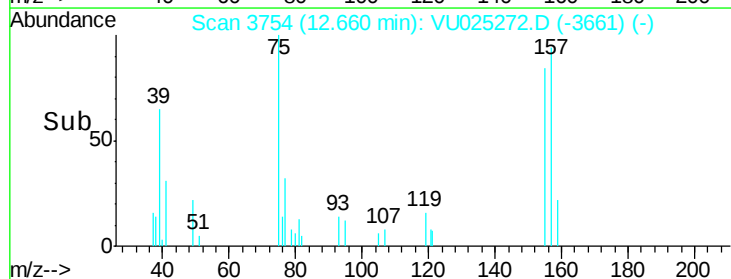
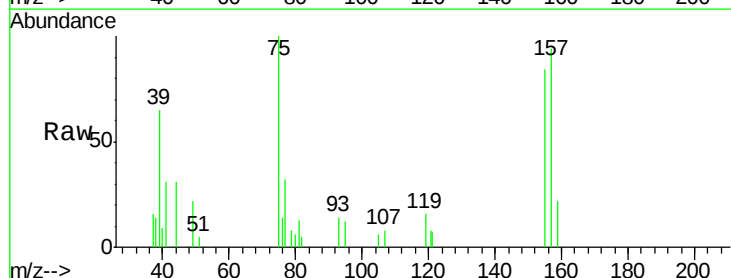
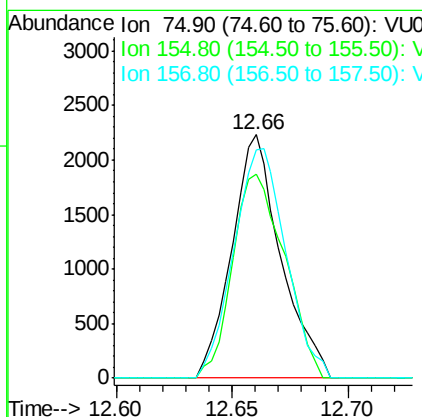
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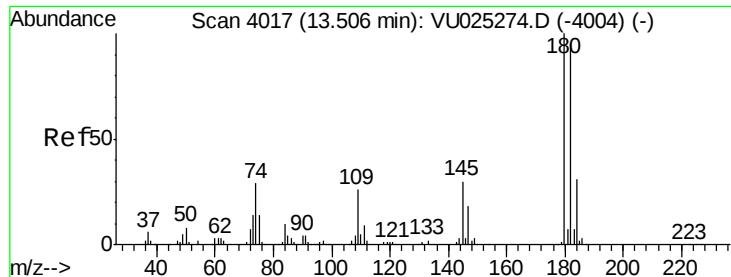
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.72 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	44.5	133.3
157	100.7	57.0	170.8





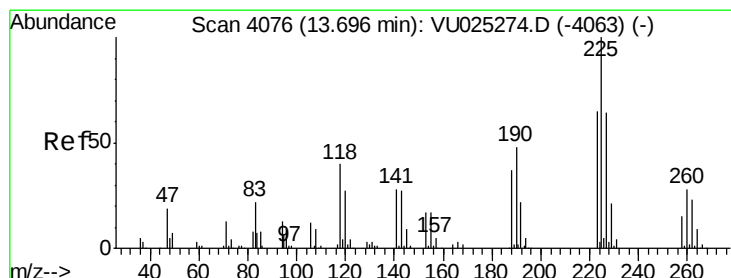
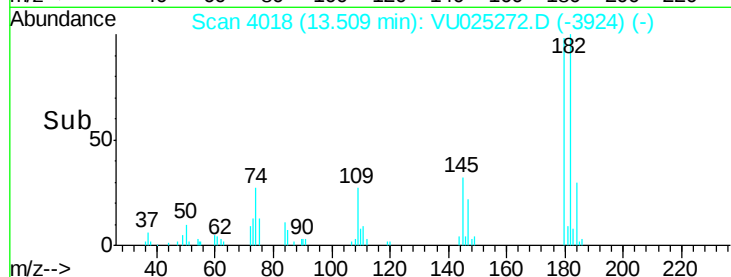
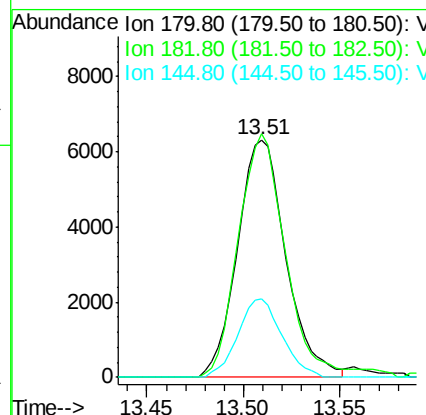
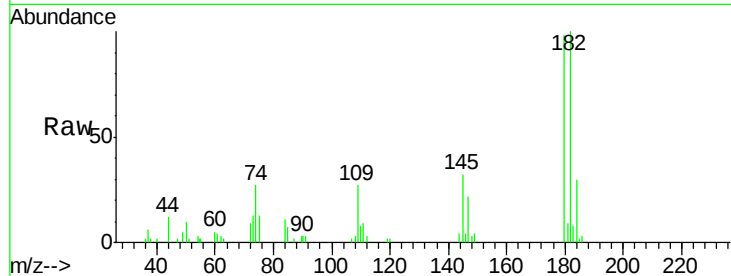
#93
 1,2,4-Trichlorobenzene
 Concen: 4.07 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	47.3	141.9
145	30.1	14.9	44.7

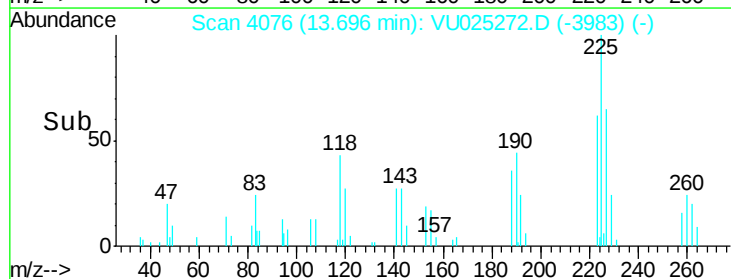
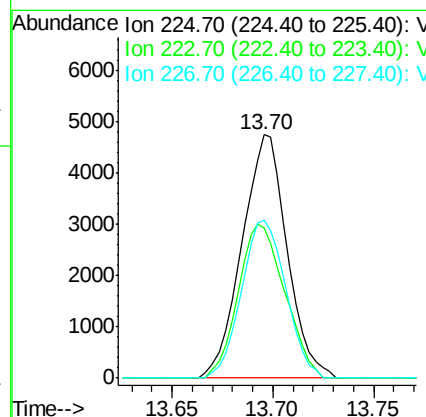
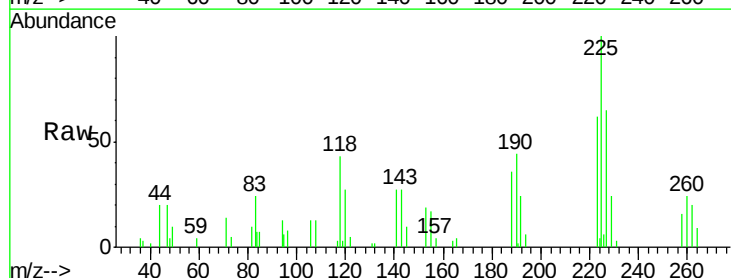
Manual Integrations
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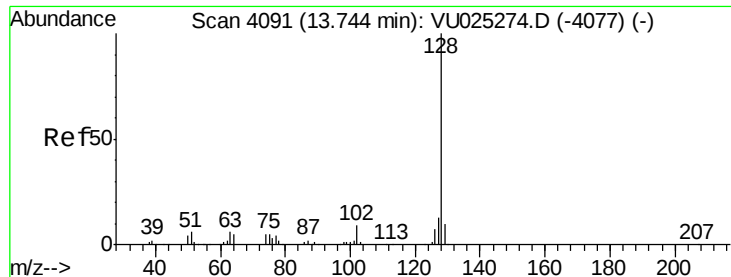
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#94
 Hexachlorobutadiene
 Concen: 5.03 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025272.D
 Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.9	95.7
227	63.8	32.3	96.9





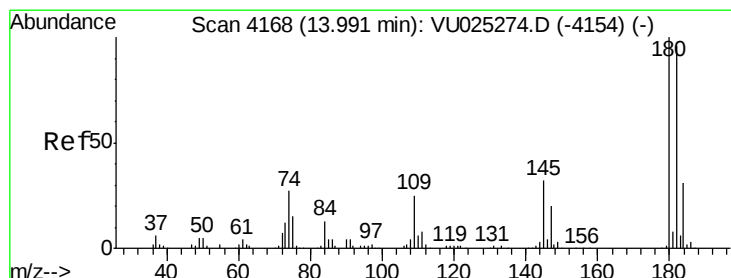
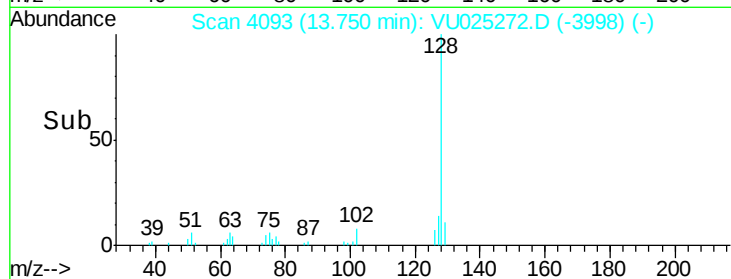
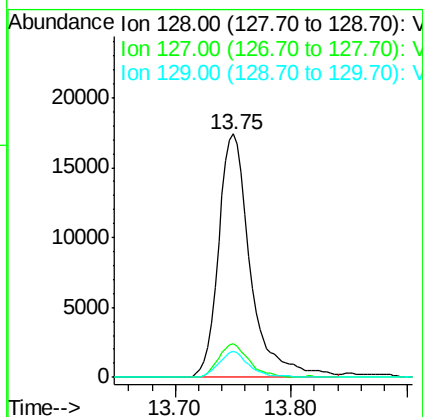
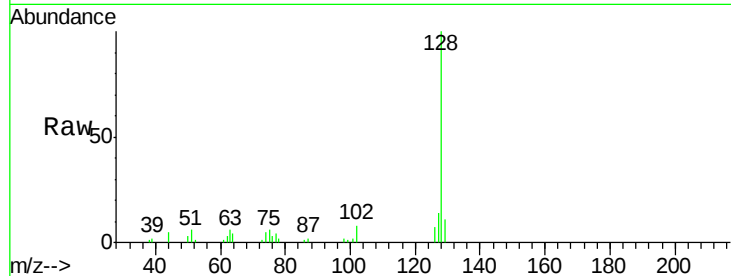
#95
Naphthalene
Concen: 3.58 ug/l
RT: 13.75 min Scan# 4093
Delta R.T. 0.01 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	9.6	8.3	12.5

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 4.11 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. -0.00 min
Lab File: VU025272.D
Acq: 09 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.3
145	32.8	15.6	46.8

