

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070918\
 Data File : VU025276.D
 Acq On : 09 Jul 2018 16:12
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:49 PM

Quant Time: Jul 10 01:46:35 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	212318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315889	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	311771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	207711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	460469	139.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.18%	
35) Dibromofluoromethane	4.89	113	387383	145.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.74%	
50) Toluene-d8	7.57	98	1339114	146.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.50%	
62) 4-Bromofluorobenzene	10.31	95	595074	161.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	326890	148.77	ug/l	99
3) Chloromethane	1.33	50	330715	133.01	ug/l	100
4) Vinyl Chloride	1.40	62	365596	151.41	ug/l	100
5) Bromomethane	1.61	94	166654	94.48	ug/l	99
6) Chloroethane	1.68	64	228550	135.82	ug/l	99
7) Trichlorofluoromethane	1.88	101	560977	147.83	ug/l	99
8) Diethyl Ether	2.10	74	210774	148.01	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	360666	153.37	ug/l	99
10) Methyl Iodide	2.41	142	447890	197.07	ug/l	99
11) Tert butyl alcohol	2.84	59	542687	671.22	ug/l	99
12) 1,1-Dichloroethene	2.28	96	330442	153.54	ug/l	94
13) Acrolein	2.19	56	244172	486.32	ug/l	99
14) Allyl chloride	2.59	41	591703	151.60	ug/l	89
15) Acrylonitrile	2.94	53	1098096	742.23	ug/l	99
16) Acetone	2.32	43	1263096	709.11	ug/l	97
17) Carbon Disulfide	2.47	76	969278	145.39	ug/l	99
18) Methyl Acetate	2.62	43	496788	147.10	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	1240209	151.50	ug/l	99
20) Methylene Chloride	2.70	84	381635	130.40	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	361567	147.01	ug/l	100
22) Diisopropyl ether	3.57	45	1184883	148.65	ug/l	95
23) Vinyl Acetate	3.53	43	5394193	771.43	ug/l	99
24) 1,1-Dichloroethane	3.45	63	687013	152.82	ug/l	99
25) 2-Butanone	4.26	43	1715574	750.36	ug/l	100
26) 2,2-Dichloropropane	4.23	77	653896	151.28	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	420267	147.69	ug/l	100
28) Bromochloromethane	4.55	49	235368	108.43	ug/l	99
29) Tetrahydrofuran	4.63	42	996780	726.84	ug/l	99
30) Chloroform	4.68	83	716821	150.57	ug/l	99
31) Cyclohexane	5.00	56	627601	125.65	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	663590	153.80	ug/l	98
36) 1,1-Dichloropropene	5.14	75	536699	152.83	ug/l	98
37) Ethyl Acetate	4.38	43	594110	151.69	ug/l	99
38) Carbon Tetrachloride	5.14	117	605579	160.21	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	682560	155.82	ug/l	98
40) Benzene	5.39	78	1514299	149.63	ug/l	98
41) Methacrylonitrile	4.54	41	329008	151.52	ug/l	98
42) 1,2-Dichloroethane	5.41	62	593946	147.64	ug/l	99
43) Isopropyl Acetate	5.55	43	963576	153.63	ug/l	99
44) Trichloroethene	6.19	130	438091	150.76	ug/l	99
45) 1,2-Dichloropropane	6.44	63	400791	151.20	ug/l	99
46) Dibromomethane	6.56	93	291494	151.11	ug/l	99
47) Bromodichloromethane	6.76	83	575422	160.57	ug/l	98
48) Methyl methacrylate	6.62	41	497489	159.11	ug/l	98
49) 1,4-Dioxane	6.62	88	234637	3118.73	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	3249187	797.06	ug/l	100
52) Toluene	7.64	92	1007862	156.53	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	669773	170.11	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	684916	163.45	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	414943	154.74	ug/l	100
56) Ethyl methacrylate	8.02	69	690074	164.76	ug/l	97
57) 1,3-Dichloropropane	8.25	76	701850	157.66	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	879208	594.88	ug/l	99
59) 2-Hexanone	8.37	43	2687255	812.71	ug/l	97
60) Dibromochloromethane	8.48	129	506223	174.80	ug/l	100
61) 1,2-Dibromoethane	8.59	107	458064	159.64	ug/l	99
64) Tetrachloroethene	8.23	164	413842	145.62	ug/l	98
65) Chlorobenzene	9.12	112	1182521	151.83	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	444972	159.72	ug/l	99
67) Ethyl Benzene	9.25	91	2048175	154.25	ug/l	100
68) m/p-Xylenes	9.38	106	1618312	315.25	ug/l	99
69) o-Xylene	9.78	106	793935	154.48	ug/l	98
70) Styrene	9.80	104	1345129	164.77	ug/l	98
71) Bromoform	9.96	173	443294	183.98	ug/l #	99
73) Isopropylbenzene	10.17	105	2171791	136.85	ug/l	100
74) N-amyl acetate	10.02	43	988232	143.44	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	741322	142.78	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	660310m	140.93	ug/l	
77) Bromobenzene	10.45	156	585131	144.12	ug/l	98
78) n-propylbenzene	10.59	91	2563517	145.57	ug/l	99
79) 2-Chlorotoluene	10.66	91	1508387	136.86	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	1928659	144.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	246152m	144.23	ug/l	
82) 4-Chlorotoluene	10.78	91	1802637	144.56	ug/l	100
83) tert-Butylbenzene	11.10	119	1936379	143.49	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	1987252	145.20	ug/l	99
85) sec-Butylbenzene	11.33	105	2345429	147.61	ug/l	100
86) p-Isopropyltoluene	11.48	119	2143469	152.35	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	1098136	147.99	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	1109586	145.59	ug/l	99
89) n-Butylbenzene	11.89	91	1902570	164.51	ug/l	100
90) Hexachloroethane	12.15	117	385994	162.03	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	1097873	146.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	190586	151.34	ug/l	98

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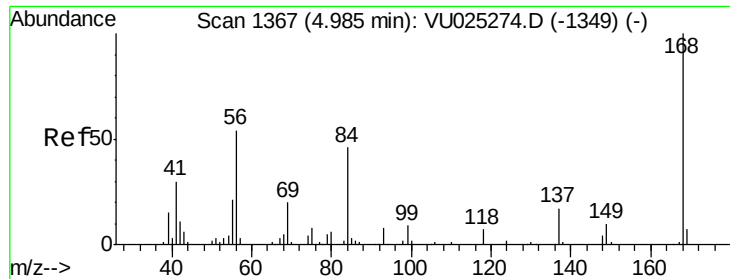
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 01:16:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	788036	160.50	ug/l	99
94) Hexachlorobutadiene	13.70	225	410863	153.30	ug/l	100
95) Naphthalene	13.74	128	2346290	138.90	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	786112	148.47	ug/l	100

(#) = 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: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 212318

Ion Ratio Lower Upper

168 100

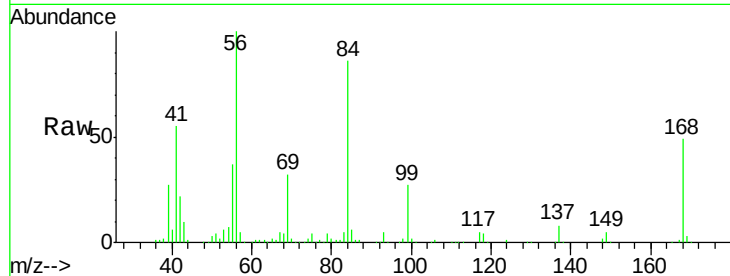
99 55.7 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025276.D (-1274) (-)

Ion 98.90 (98.60 to 99.60): VU025276.D (-1274) (-)

200000

150000

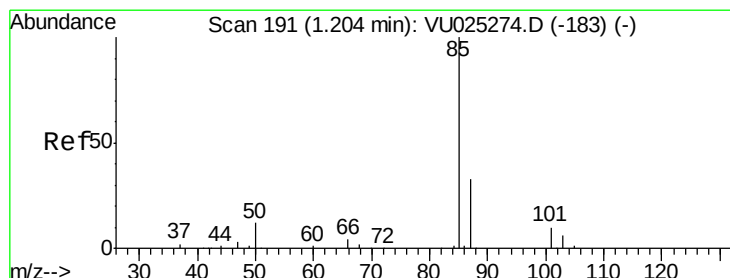
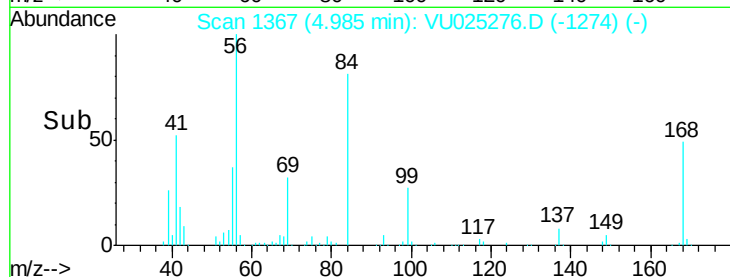
100000

50000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 148.77 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025276.D

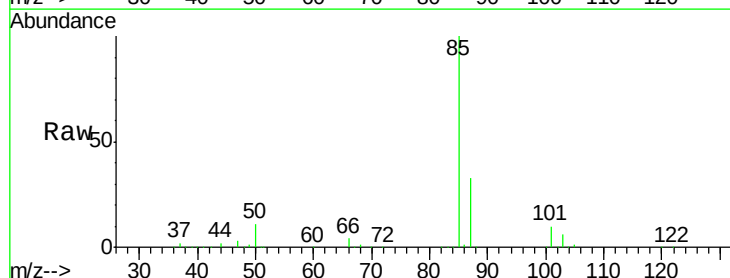
Acq: 09 Jul 2018 16:12

Tgt Ion: 85 Resp: 326890

Ion Ratio Lower Upper

85 100

87 32.6 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025276.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025276.D (-98) (-)

300000

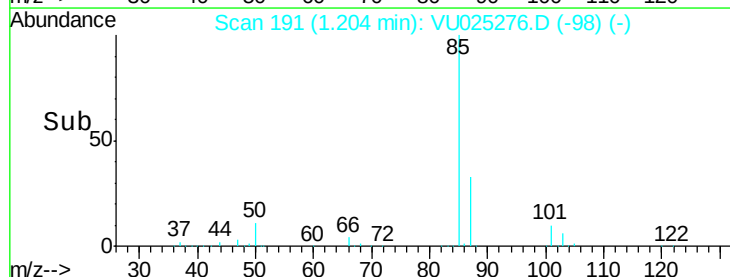
200000

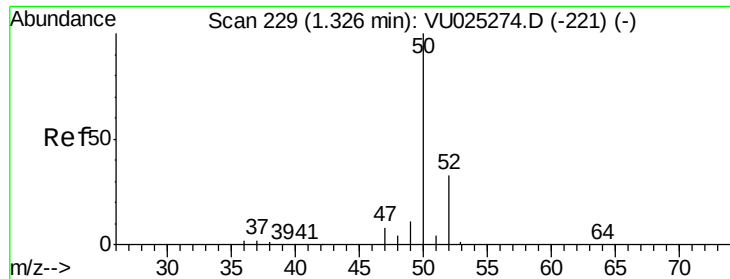
100000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 133.01 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 330715

Ion Ratio Lower Upper

50 100

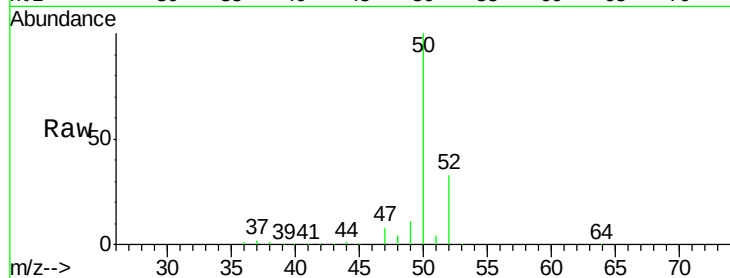
52 33.2 26.5 39.7

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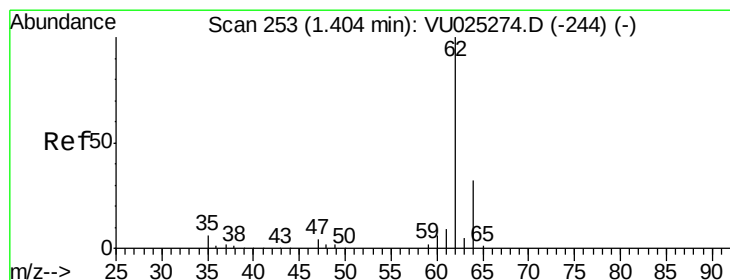
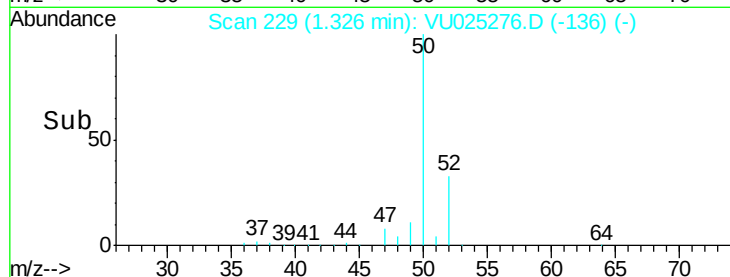
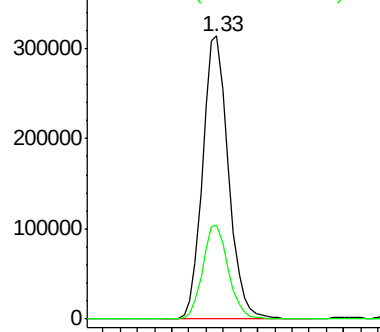
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 151.41 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025276.D

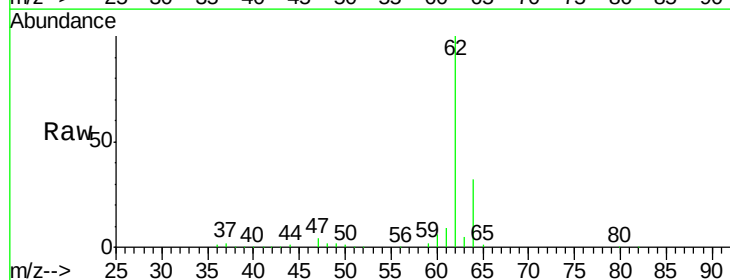
Acq: 09 Jul 2018 16:12

Tgt Ion: 62 Resp: 365596

Ion Ratio Lower Upper

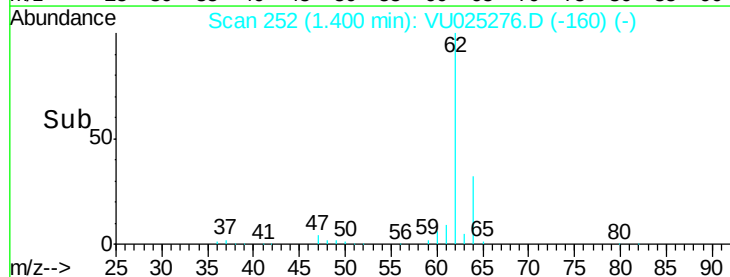
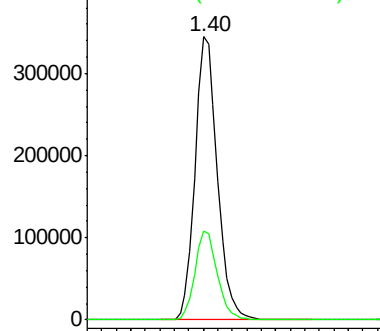
62 100

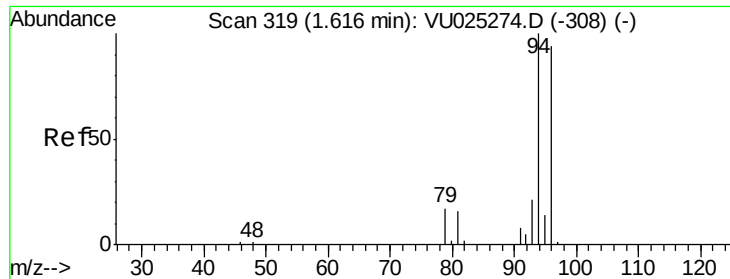
64 31.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 94.48 ug/l

RT: 1.61 min Scan# 316

Delta R.T. -0.01 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 166654

Ion Ratio Lower Upper

94 100

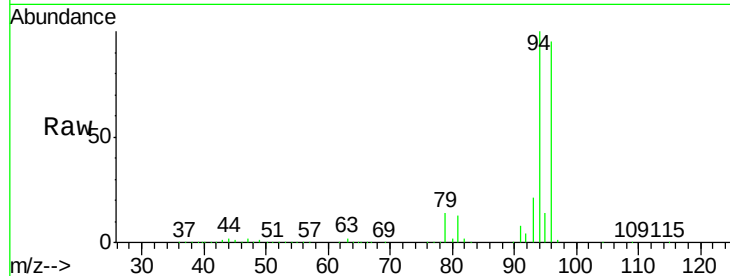
96 94.6 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

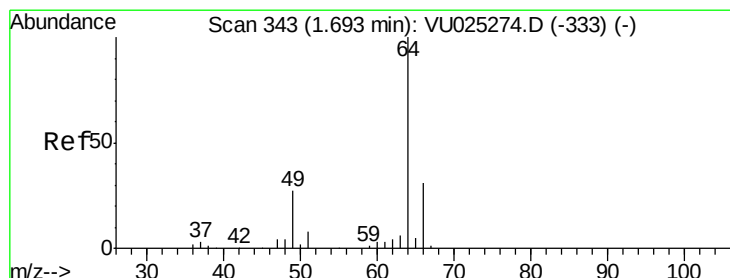
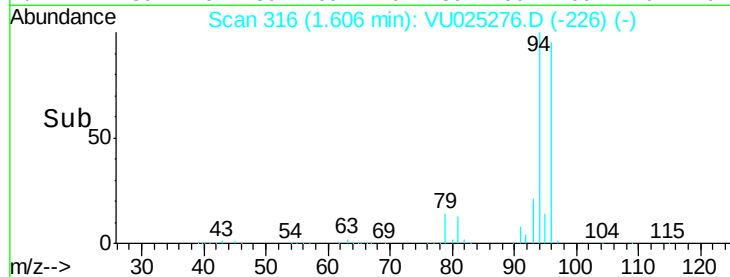
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 135.82 ug/l

RT: 1.68 min Scan# 338

Delta R.T. -0.02 min

Lab File: VU025276.D

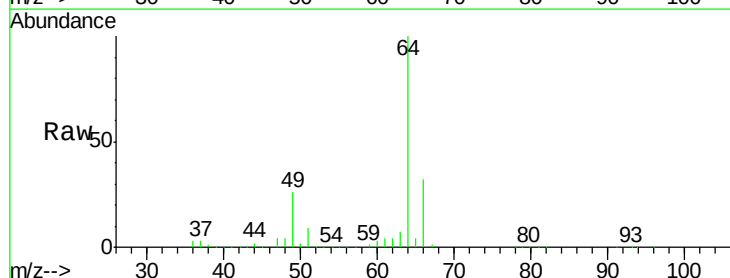
Acq: 09 Jul 2018 16:12

Tgt Ion: 64 Resp: 228550

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

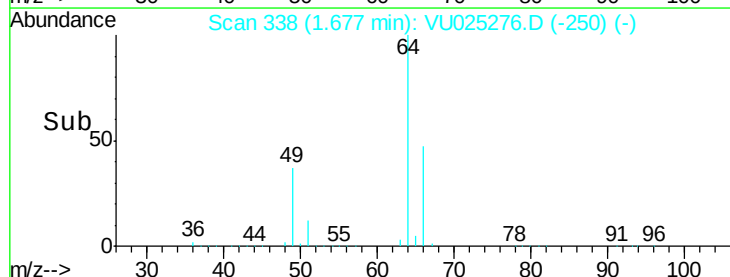
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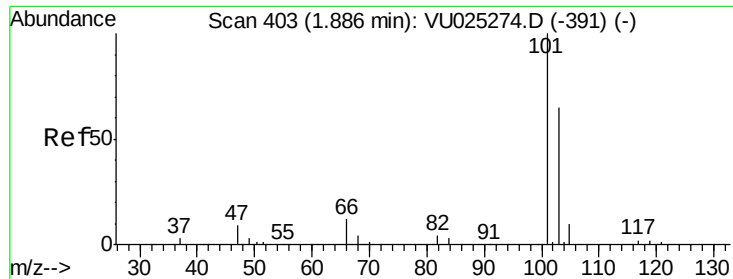
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50000

0

Time-->





#7

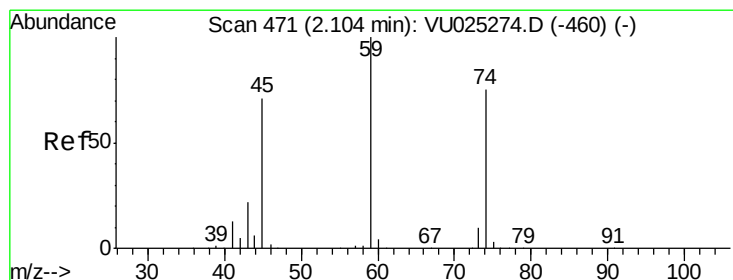
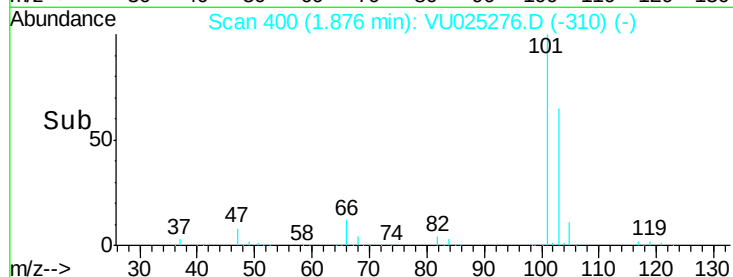
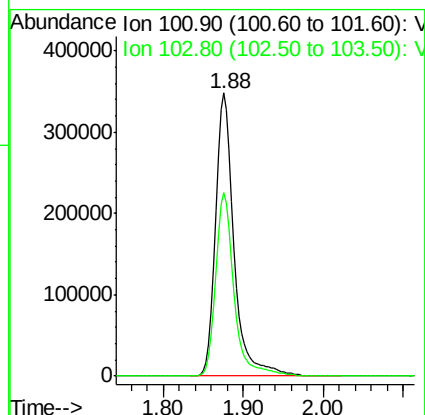
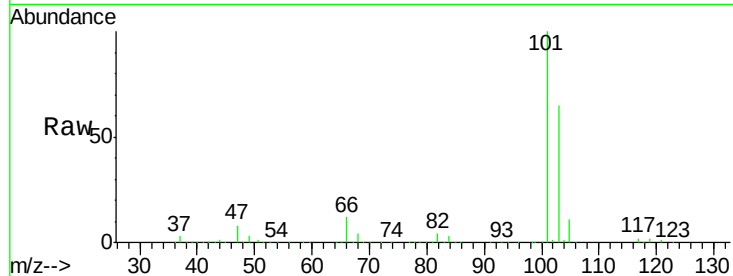
Trichlorofluoromethane
Concen: 147.83 ug/l
RT: 1.88 min Scan# 400
Delta R.T. -0.01 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.2

Manual Integrations
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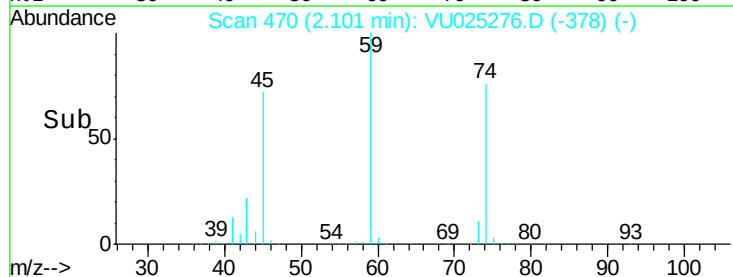
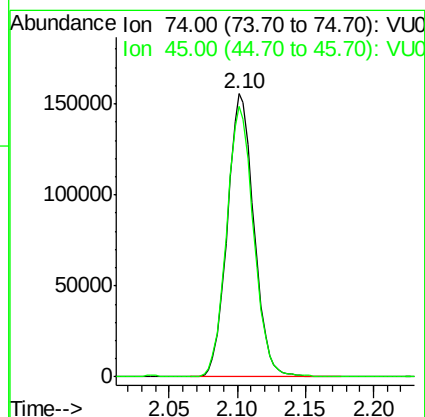
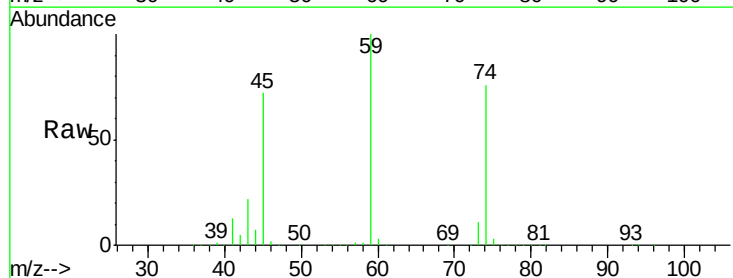
MMDadoda
7/10/2018 2:33:49 PM

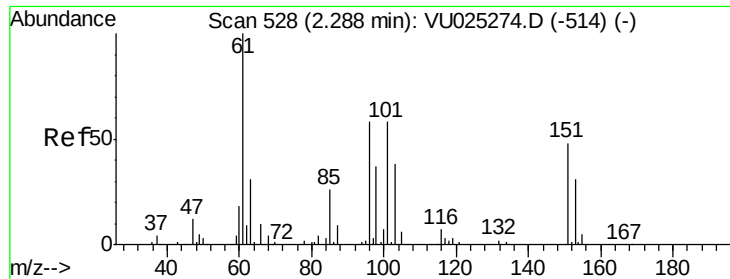


#8

Diethyl Ether
Concen: 148.01 ug/l
RT: 2.10 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.37 ug/l

RT: 2.28 min Scan# 526

Delta R.T. -0.01 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

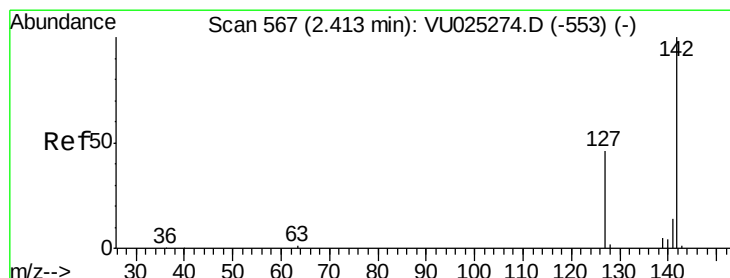
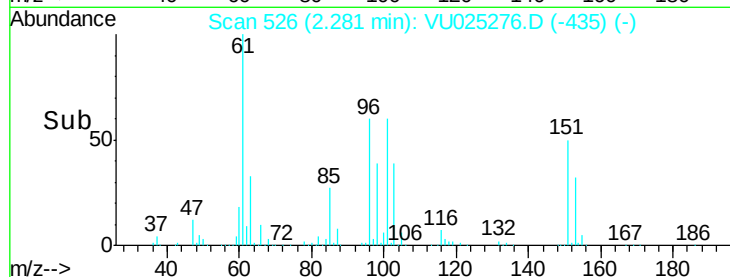
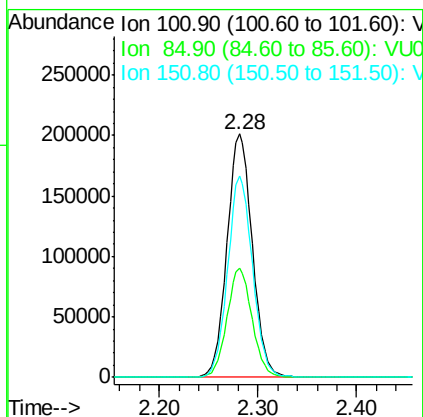
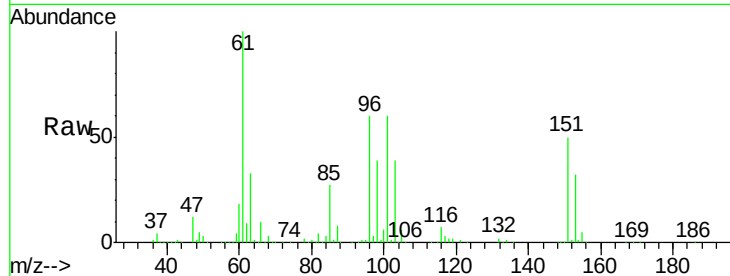
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	360666
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	81.6	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 197.07 ug/l

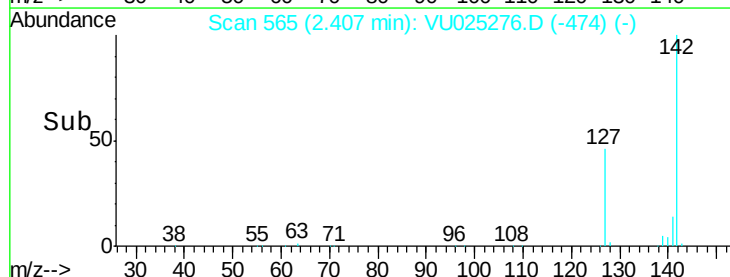
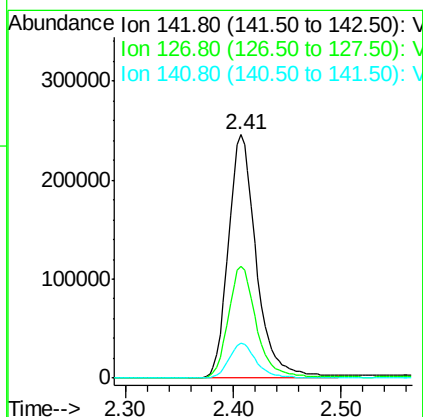
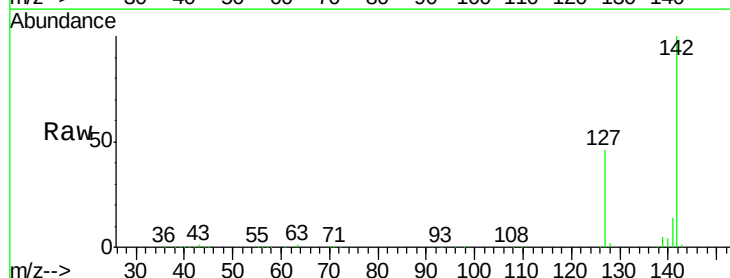
RT: 2.41 min Scan# 565

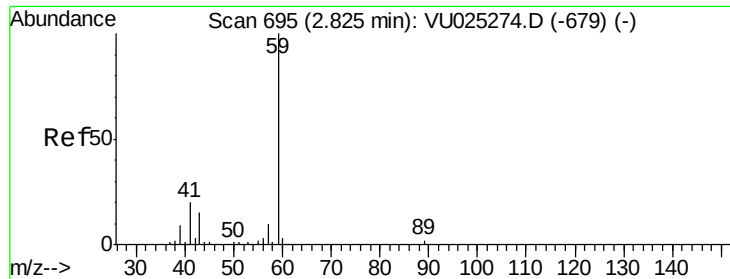
Delta R.T. -0.01 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Tgt Ion:	142	Resp:	447890
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.5	54.7
141	14.2	11.4	17.2





#11

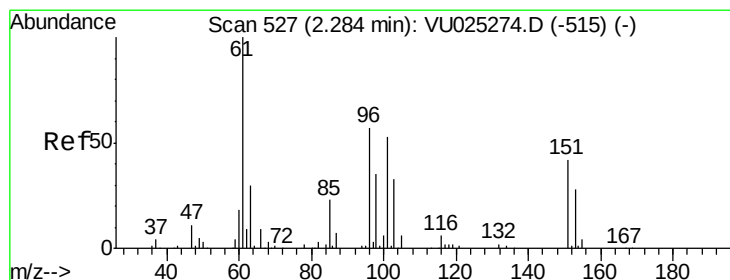
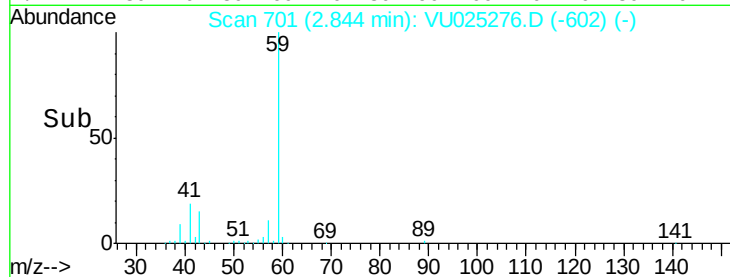
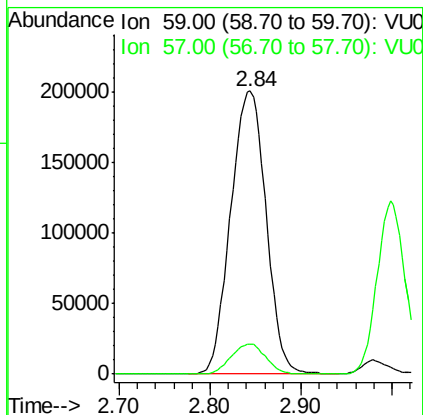
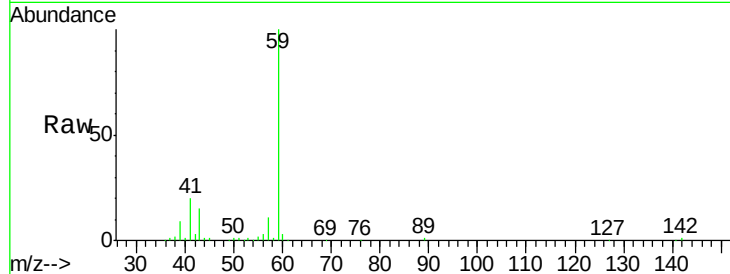
Tert butyl alcohol
Concen: 671.22 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

Manual Integrations
APPROVED

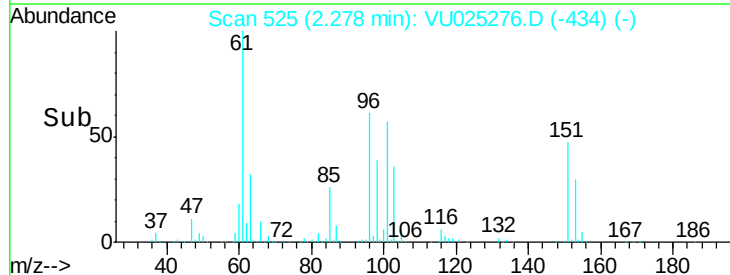
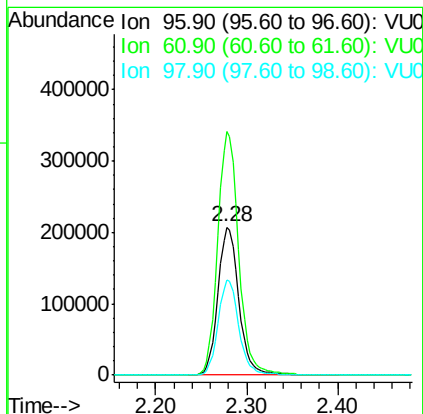
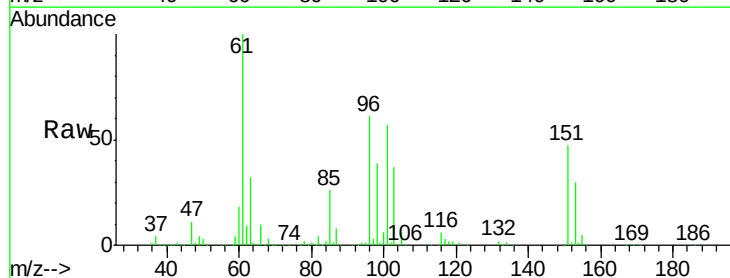
MMDadoda
7/10/2018 2:33:49 PM

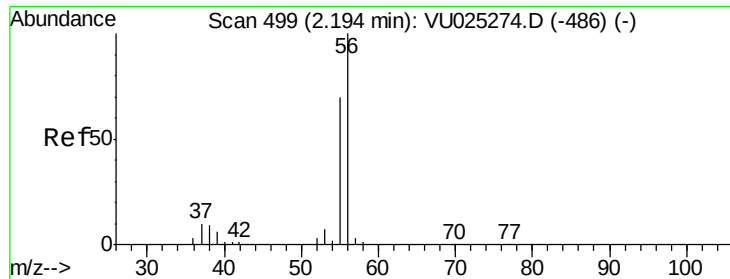


#12

1,1-Dichloroethene
Concen: 153.54 ug/l
RT: 2.28 min Scan# 525
Delta R.T. -0.01 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.1	140.2	210.4
98	64.6	49.3	73.9





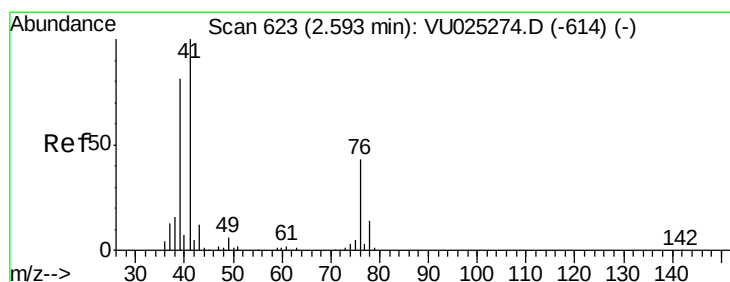
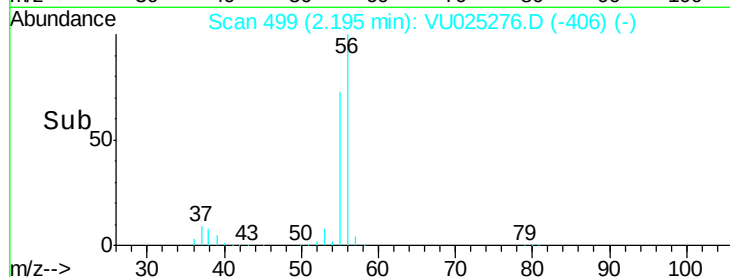
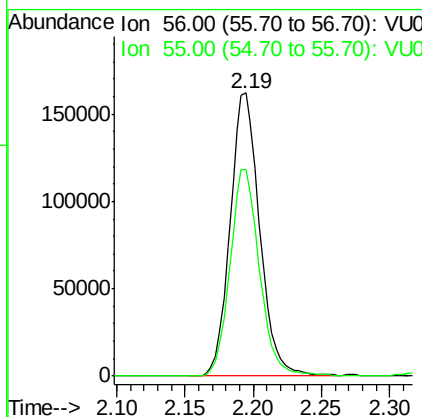
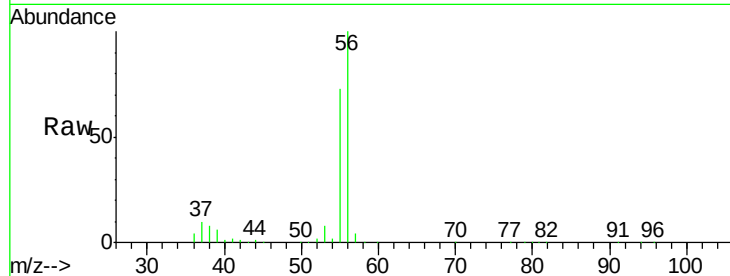
#13
Acrolein
Concen: 486.32 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.6	57.2	85.8

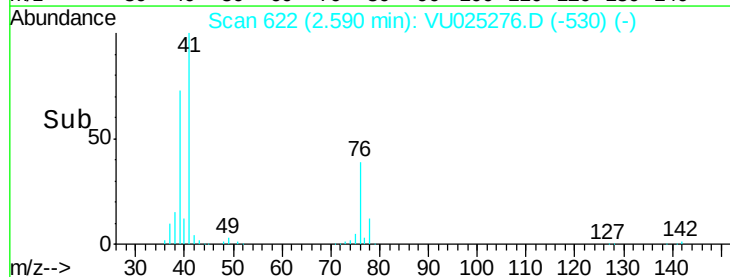
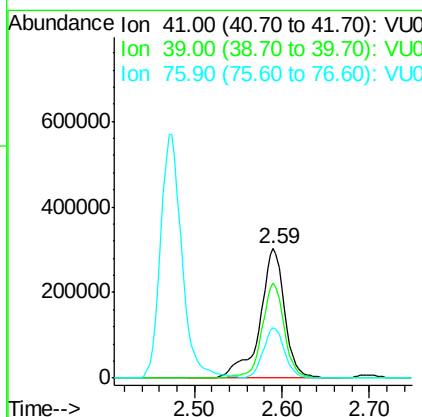
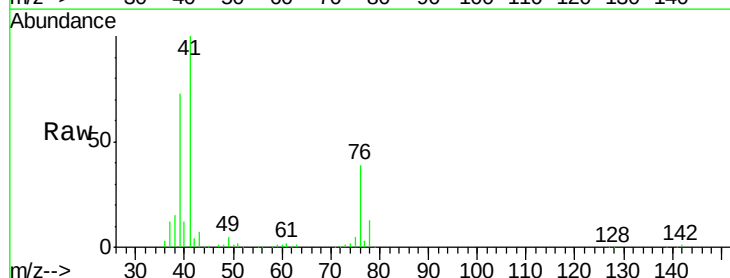
Manual Integrations
APPROVED

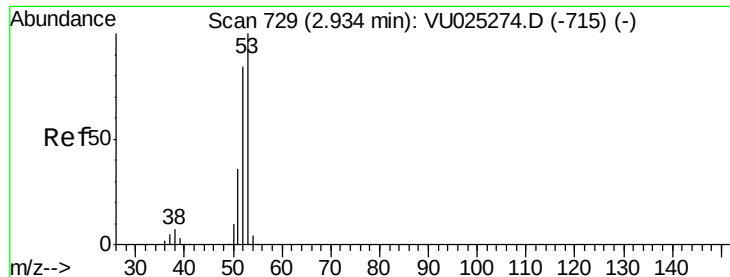
MMDadoda
7/10/2018 2:33:49 PM



#14
Allyl chloride
Concen: 151.60 ug/l
RT: 2.59 min Scan# 622
Delta R.T. -0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.5	60.6	91.0
76	33.5	30.5	45.7





#15

Acrylonitrile

Concen: 742.23 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1098096

Ion Ratio Lower Upper

53 100

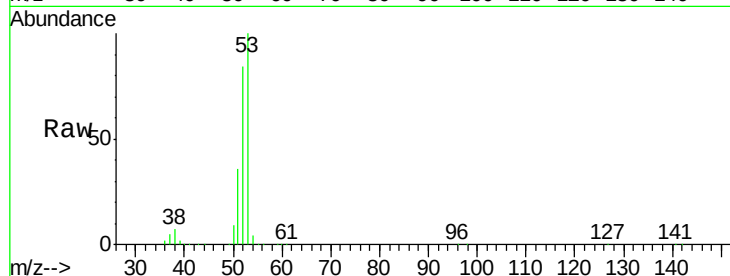
52 83.7 66.6 99.8

51 35.5 29.4 44.2

Manual Integrations
APPROVED

MMDadoda

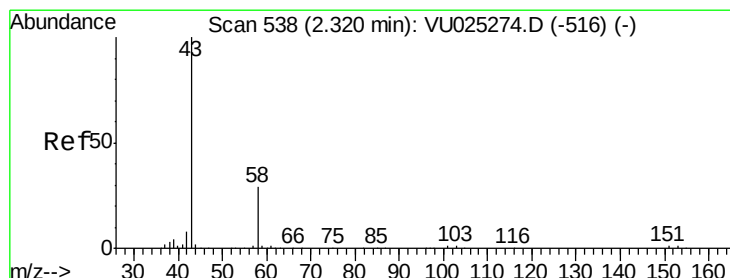
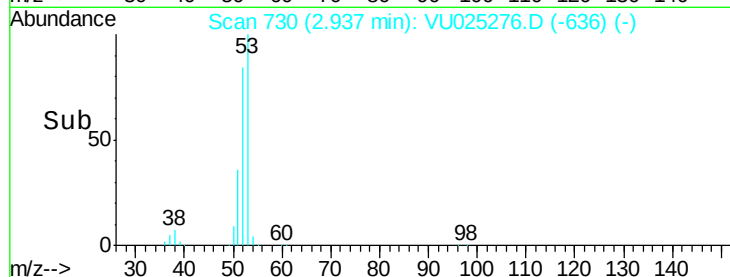
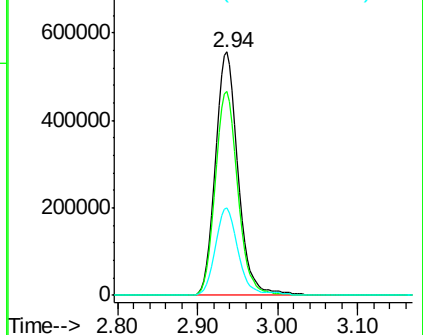
7/10/2018 2:33:49 PM



Abundance Ion 53.00 (52.70 to 53.70): VU025276.D (-636) (-)

Ion 52.00 (51.70 to 52.70): VU025276.D (-636) (-)

Ion 51.00 (50.70 to 51.70): VU025276.D (-636) (-)



#16

Acetone

Concen: 709.11 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025276.D

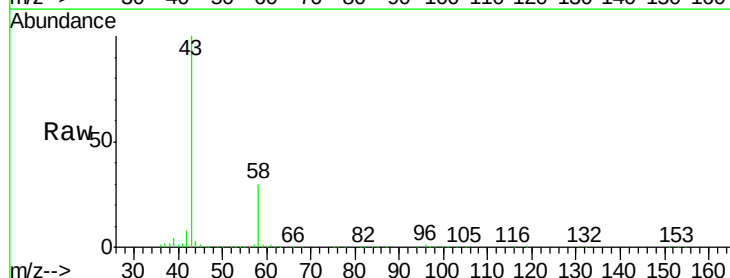
Acq: 09 Jul 2018 16:12

Tgt Ion: 43 Resp: 1263096

Ion Ratio Lower Upper

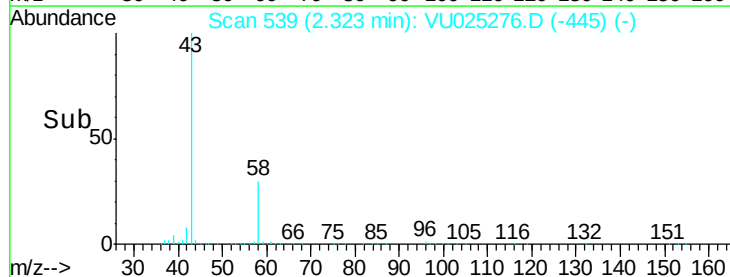
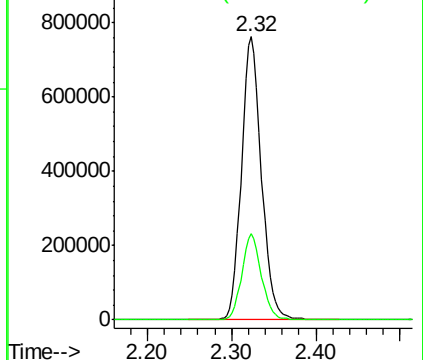
43 100

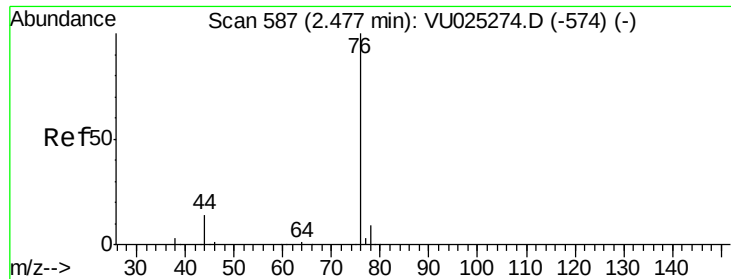
58 30.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU025276.D (-445) (-)

Ion 58.00 (57.70 to 58.70): VU025276.D (-445) (-)





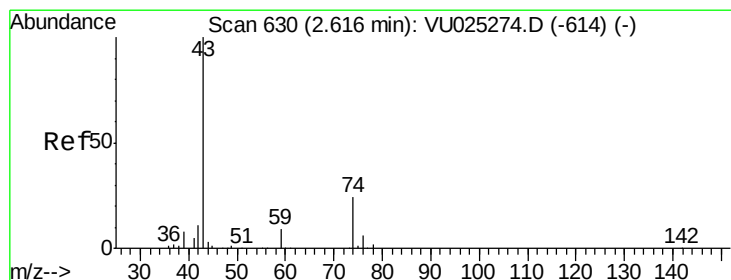
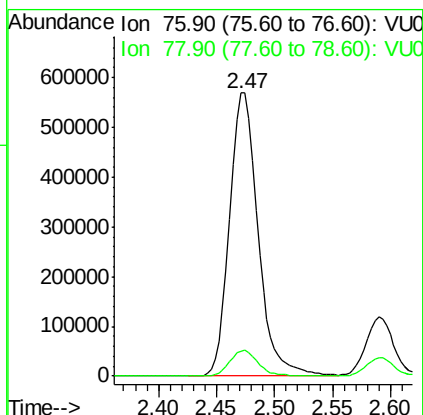
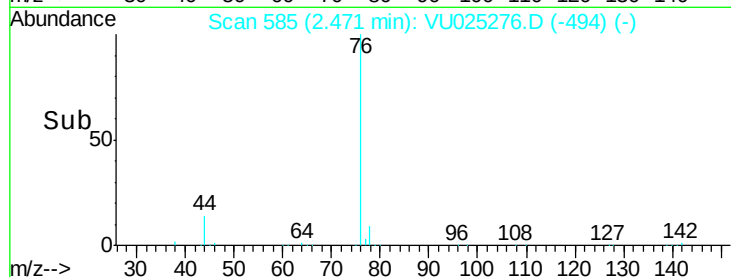
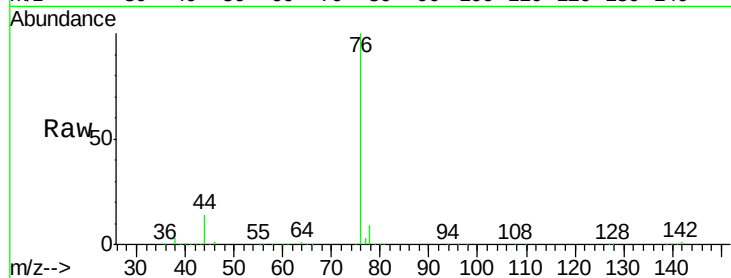
#17
Carbon Disulfide
Concen: 145.39 ug/l
RT: 2.47 min Scan# 585
Delta R.T. -0.01 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

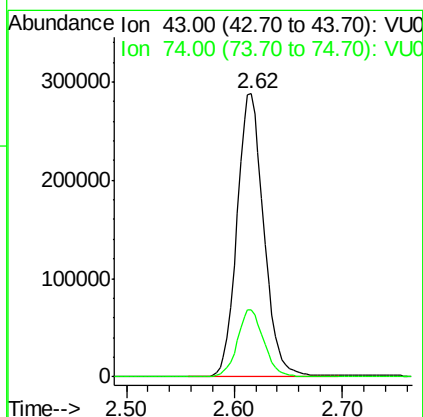
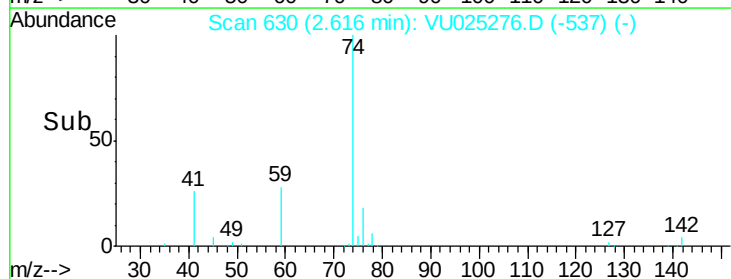
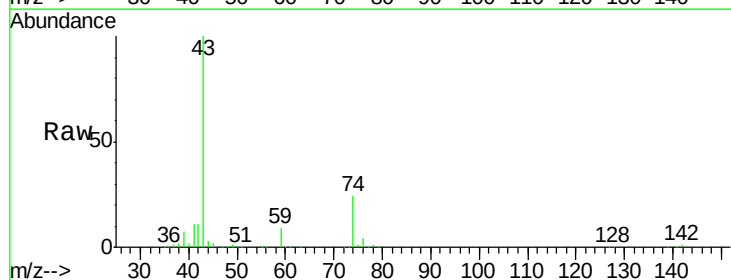
Manual Integrations
APPROVED

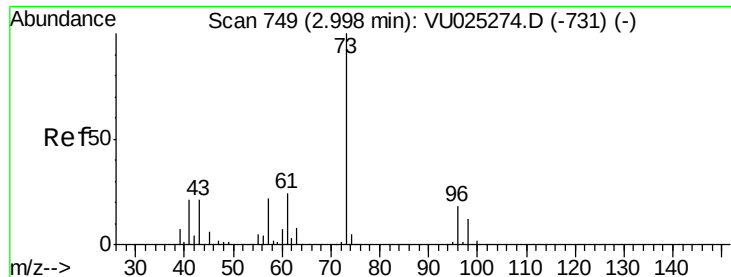
MMDadoda
7/10/2018 2:33:49 PM



#18
Methyl Acetate
Concen: 147.10 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.5	27.7





#19

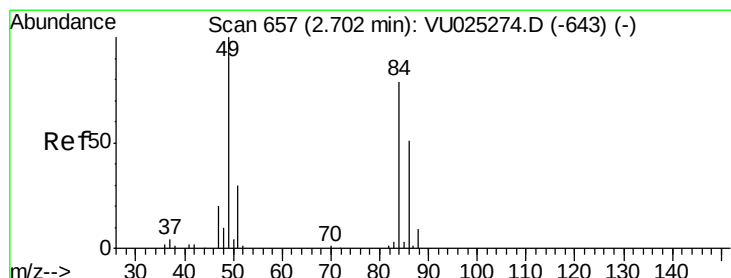
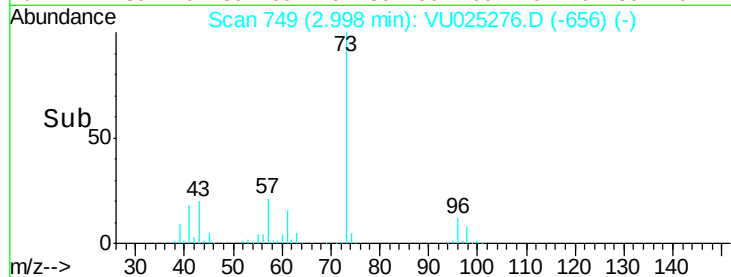
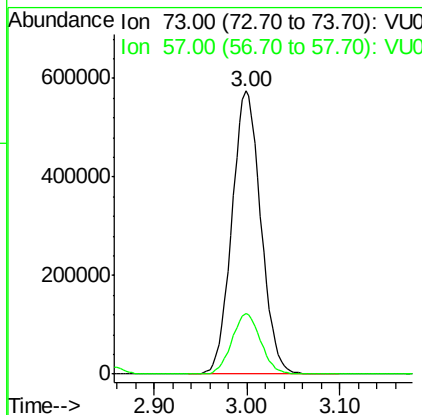
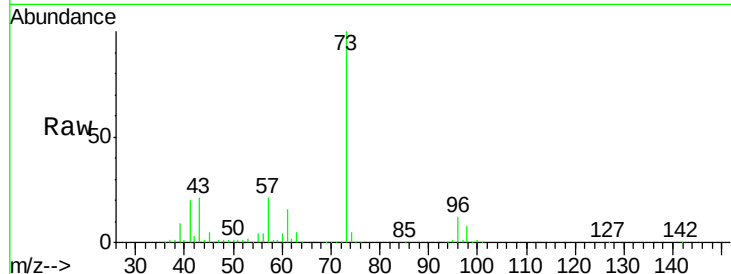
Methyl tert-butyl Ether
 Concen: 151.50 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1240209
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.4 26.2

Manual Integrations
 APPROVED

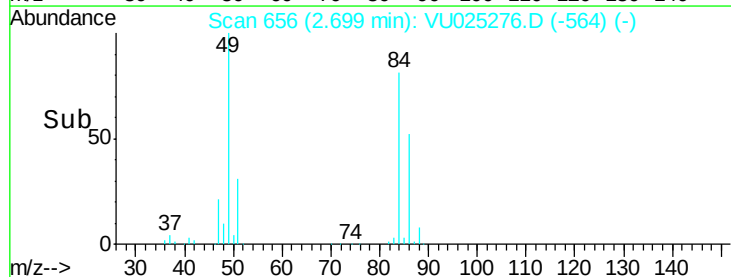
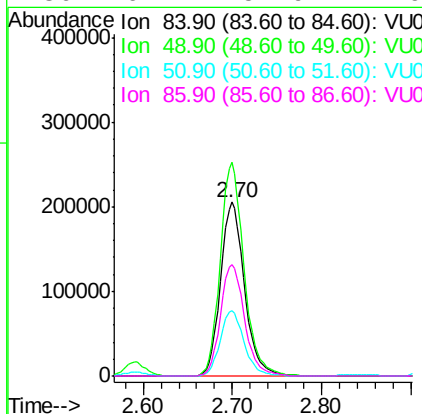
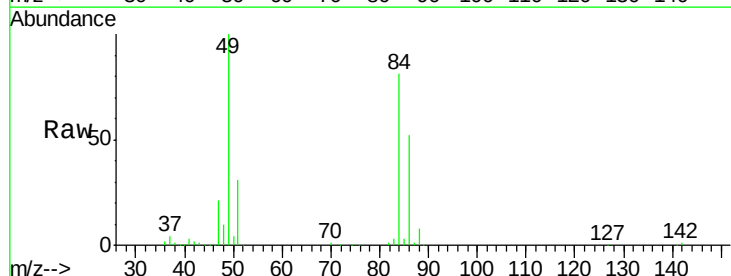
MMDadoda
 7/10/2018 2:33:49 PM

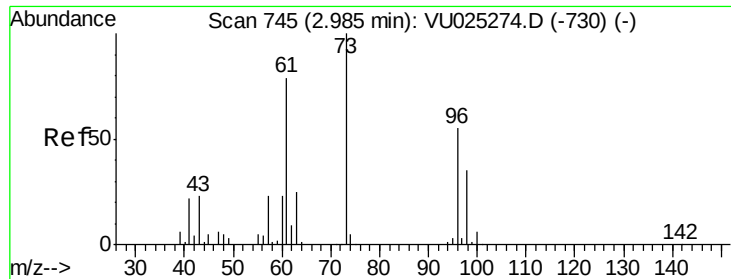


#20

Methylene Chloride
 Concen: 130.40 ug/l
 RT: 2.70 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Tgt Ion: 84 Resp: 381635
 Ion Ratio Lower Upper
 84 100
 49 122.8 101.8 152.6
 51 37.7 30.8 46.2
 86 64.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 147.01 ug/l

RT: 2.98 min Scan# 743

Delta R.T. -0.01 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 361567

Ion Ratio Lower Upper

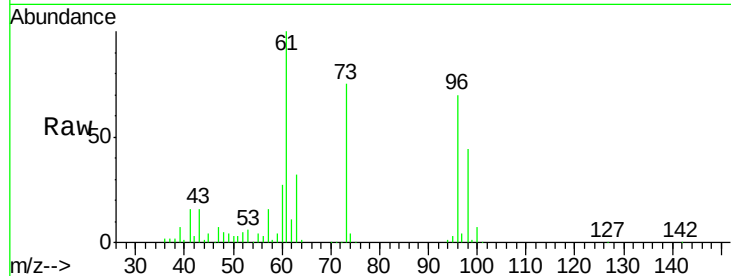
96 100

61 142.6 114.5 171.7

98 63.2 50.5 75.7

Manual Integrations
APPROVED

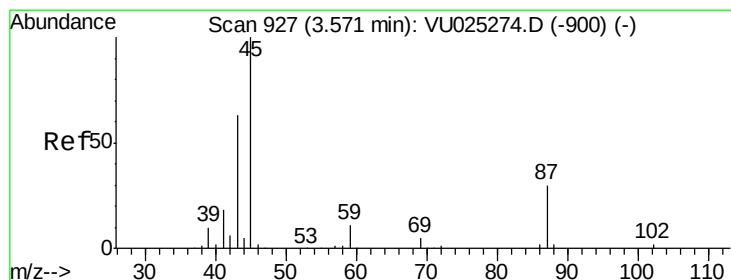
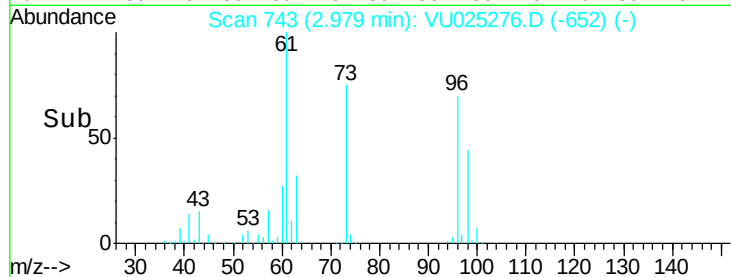
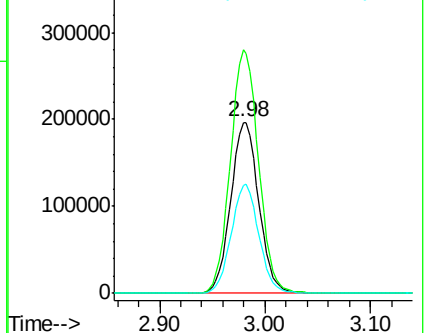
MMDadoda
7/10/2018 2:33:49 PM



Abundance Ion 95.90 (95.60 to 96.60): VU025274.D (-730) (-)

Ion 60.90 (60.60 to 61.60): VU025274.D (-730) (-)

Ion 97.90 (97.60 to 98.60): VU025274.D (-730) (-)



#22

Diisopropyl ether

Concen: 148.65 ug/l

RT: 3.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Tgt Ion: 45 Resp: 1184883

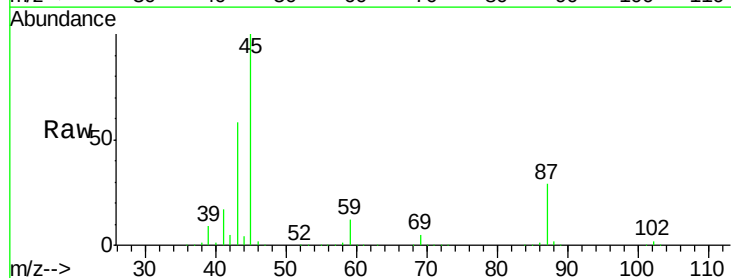
Ion Ratio Lower Upper

45 100

43 58.0 50.9 76.3

87 28.7 23.8 35.8

59 11.6 9.0 13.4

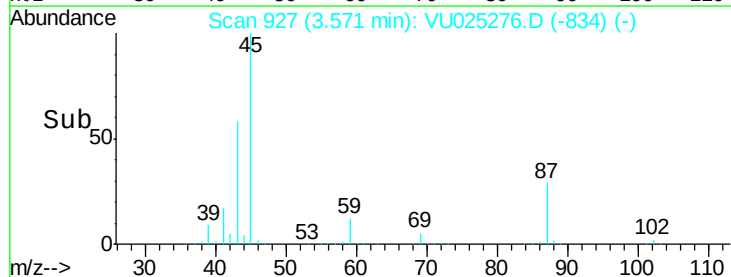
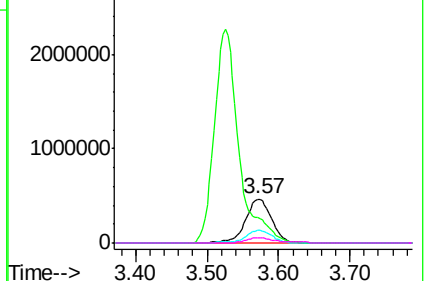


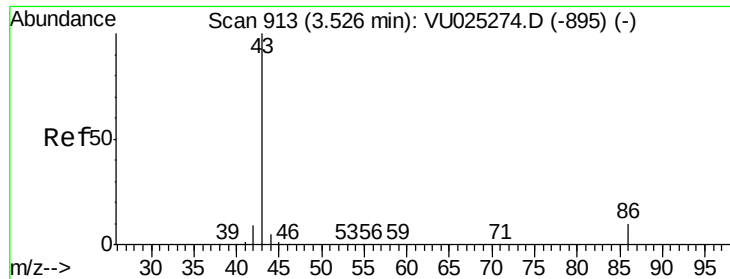
Abundance Ion 45.00 (44.70 to 45.70): VU025274.D (-900) (-)

Ion 43.00 (42.70 to 43.70): VU025274.D (-900) (-)

Ion 87.00 (86.70 to 87.70): VU025274.D (-900) (-)

Ion 59.00 (58.70 to 59.70): VU025274.D (-900) (-)





#23

Vinyl Acetate

Concen: 771.43 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5394193

Ion Ratio Lower Upper

43 100

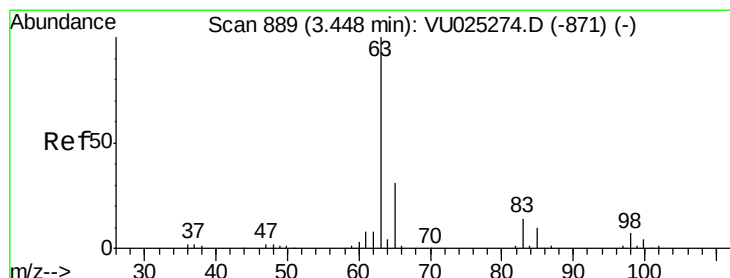
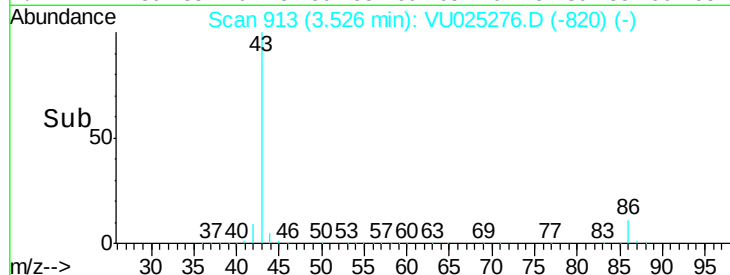
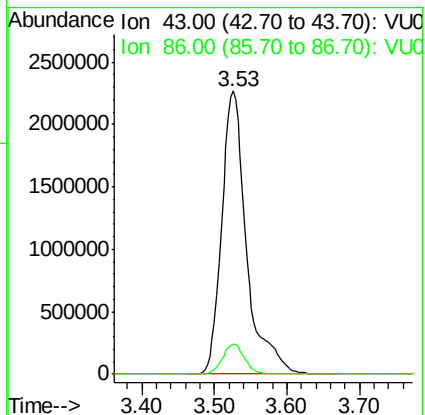
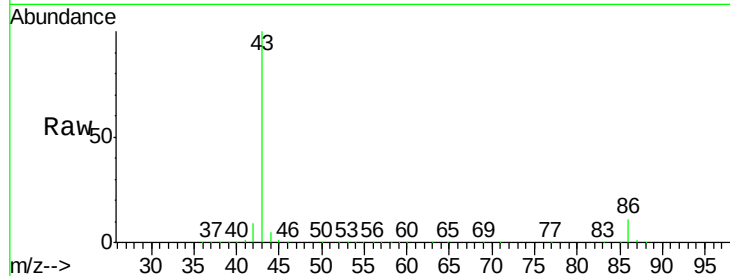
86 10.6 8.2 12.2

Manual Integrations

APPROVED

MMDadoda

7/10/2018 2:33:49 PM



#24

1,1-Dichloroethane

Concen: 152.82 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

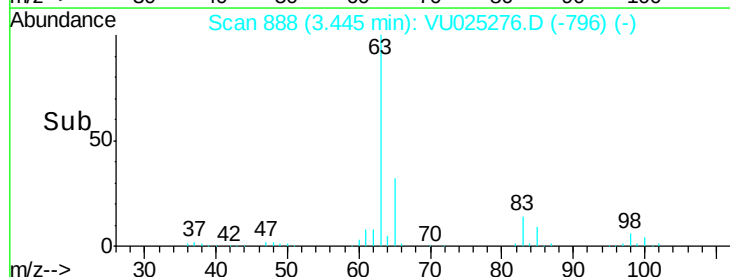
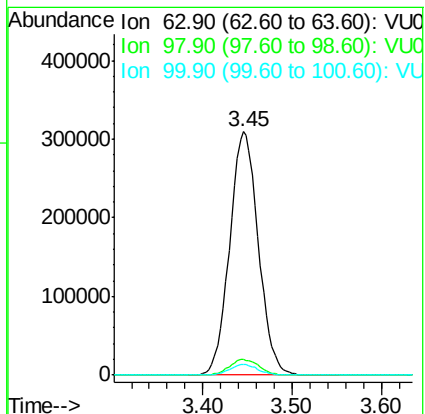
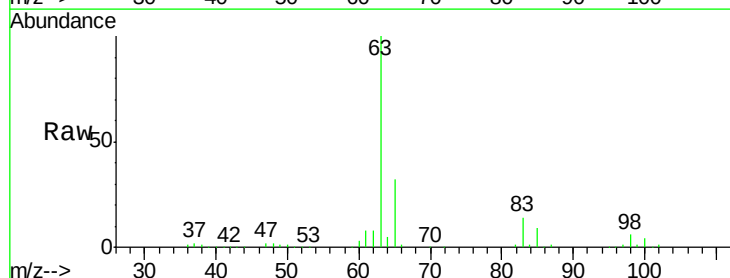
Tgt Ion: 63 Resp: 687013

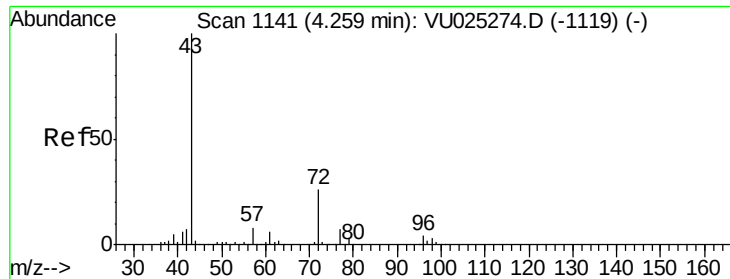
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.3 2.0 6.0





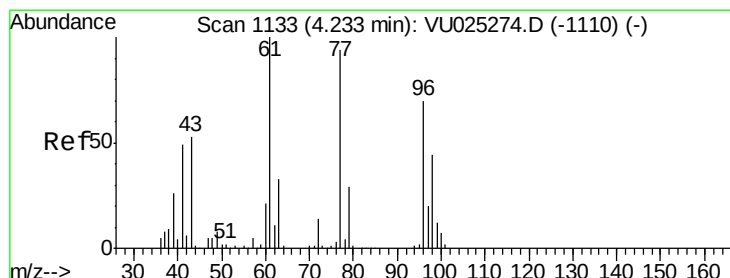
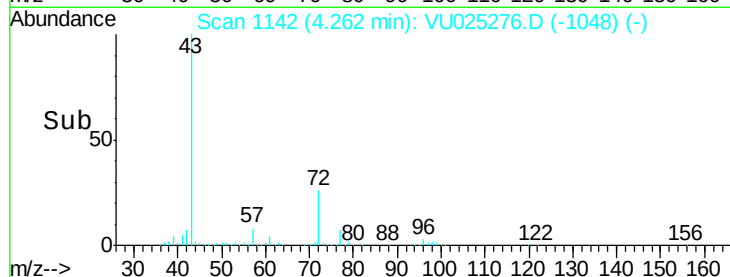
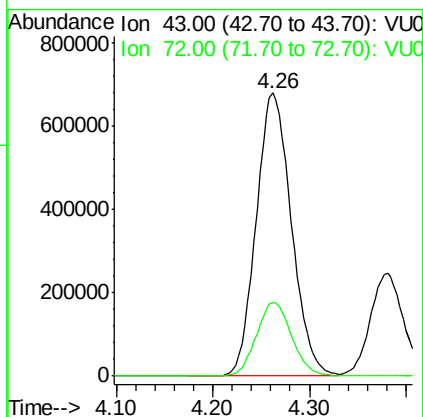
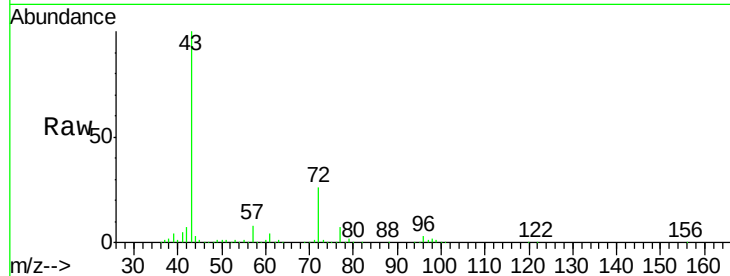
#25
2-Butanone
Concen: 750.36 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1715574
Ion Ratio Lower Upper
43 100
72 26.1 21.0 31.4

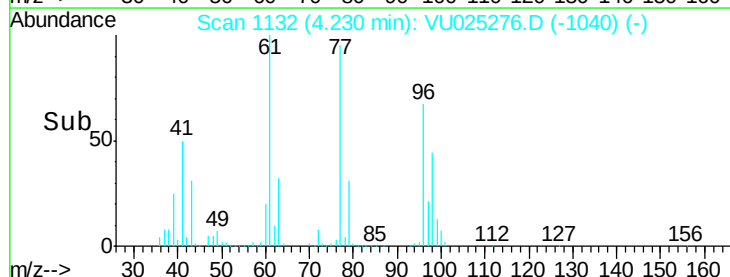
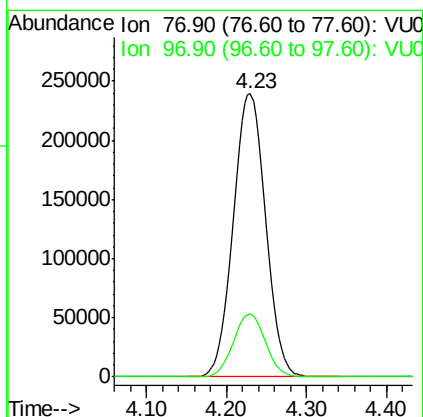
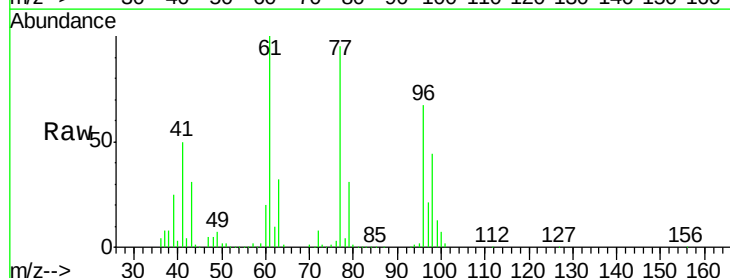
Manual Integrations
APPROVED

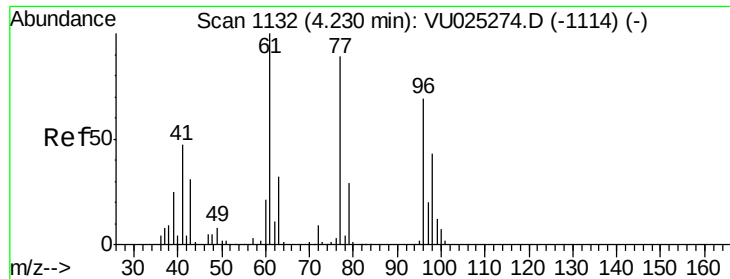
MMDadoda
7/10/2018 2:33:49 PM



#26
2,2-Dichloropropane
Concen: 151.28 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion: 77 Resp: 653896
Ion Ratio Lower Upper
77 100
97 21.9 11.2 33.5





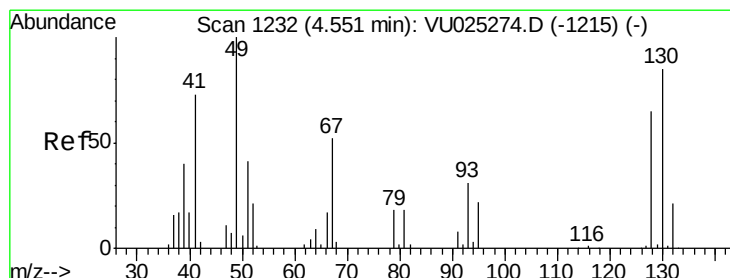
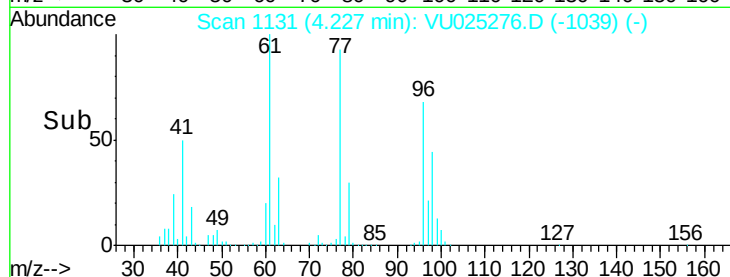
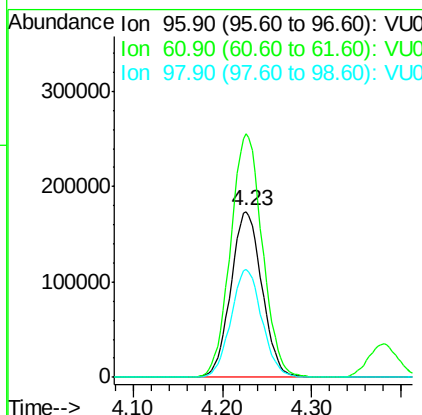
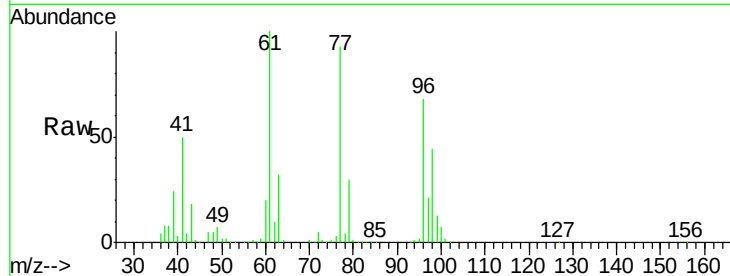
#27
 cis-1,2-Dichloroethene
 Concen: 147.69 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	299.8
98	64.8	0.0	128.6

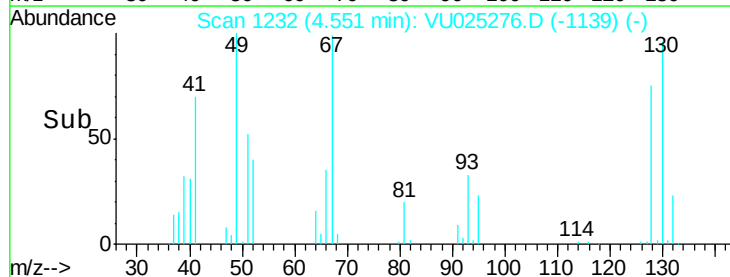
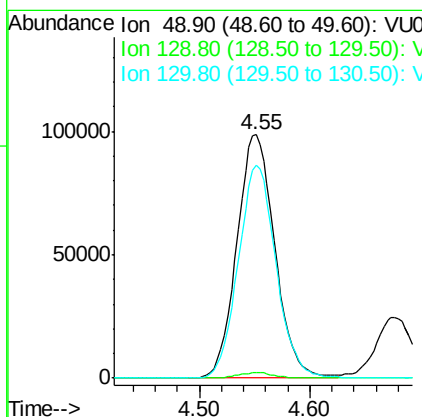
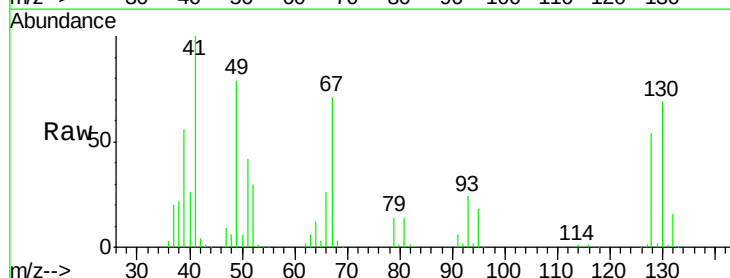
Manual Integrations
 APPROVED

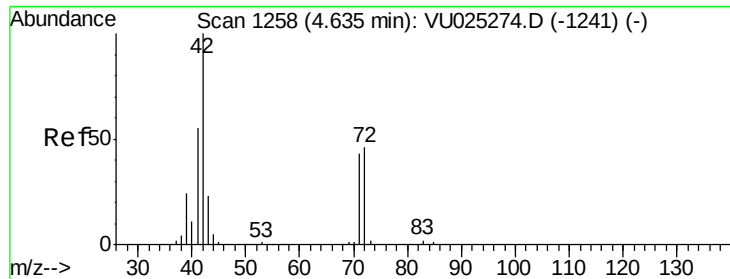
MMDadoda
 7/10/2018 2:33:49 PM



#28
 Bromochloromethane
 Concen: 108.43 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	87.0	68.6	102.8





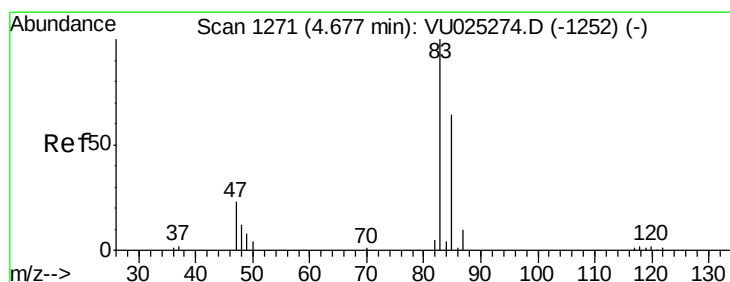
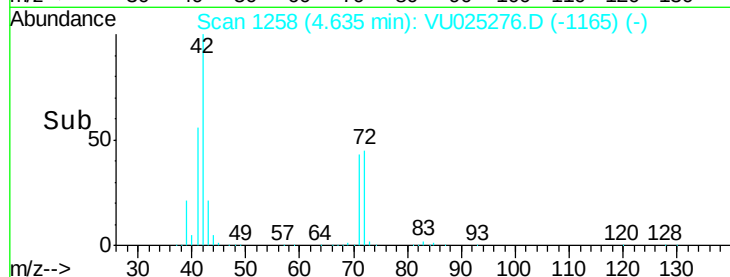
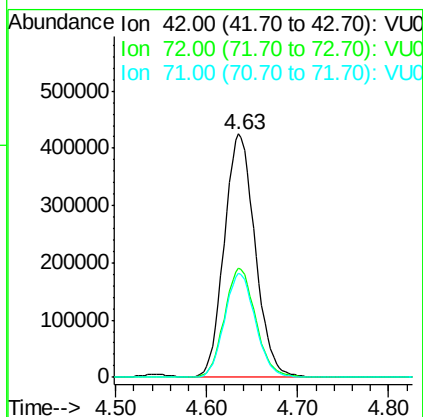
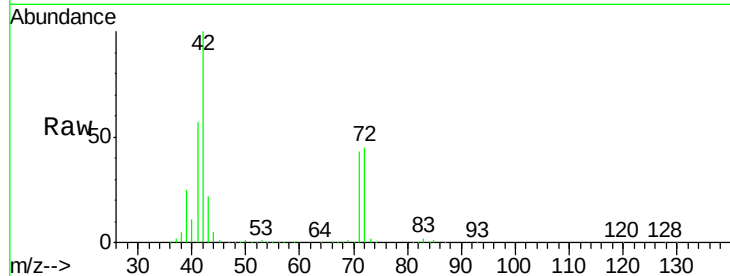
#29
Tetrahydrofuran
Concen: 726.84 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	36.7	55.1
71	42.8	33.9	50.9

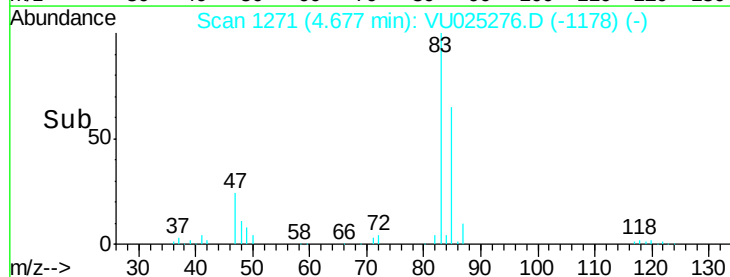
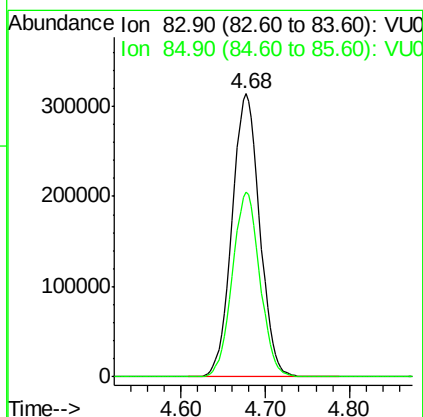
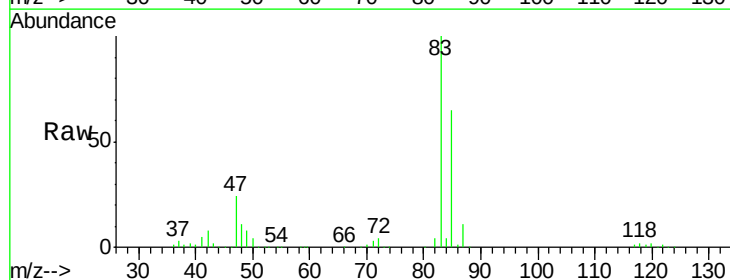
Manual Integrations
APPROVED

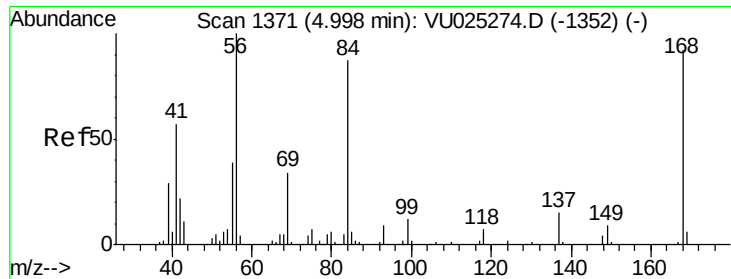
MMDadoda
7/10/2018 2:33:49 PM



#30
Chloroform
Concen: 150.57 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.5	77.3





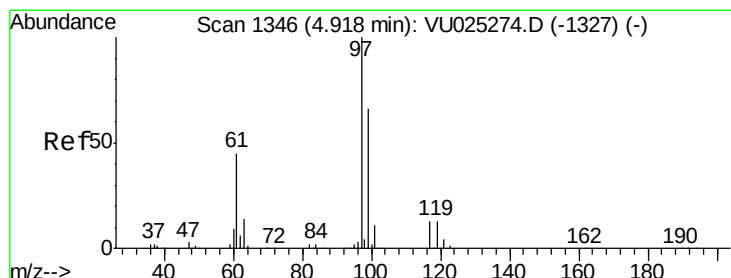
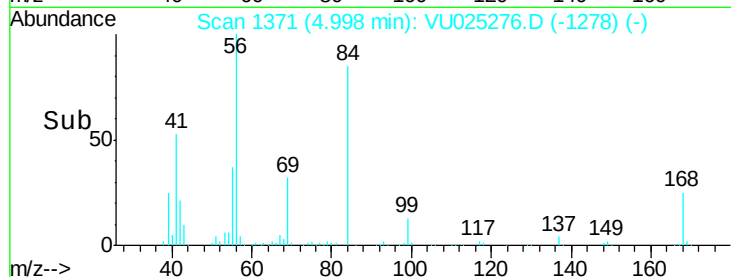
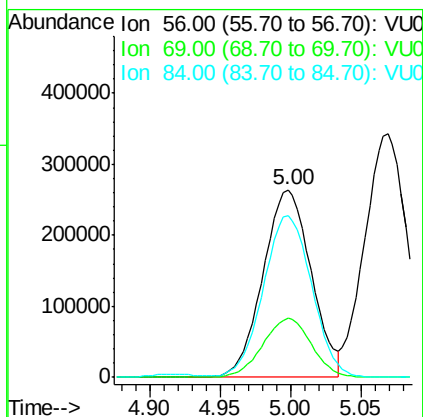
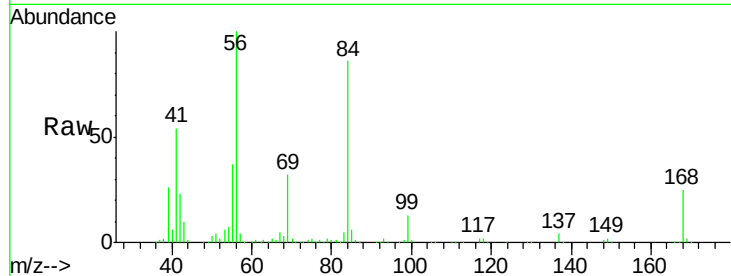
#31
Cyclohexane
Concen: 125.65 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	26.8	40.2
84	85.1	69.7	104.5

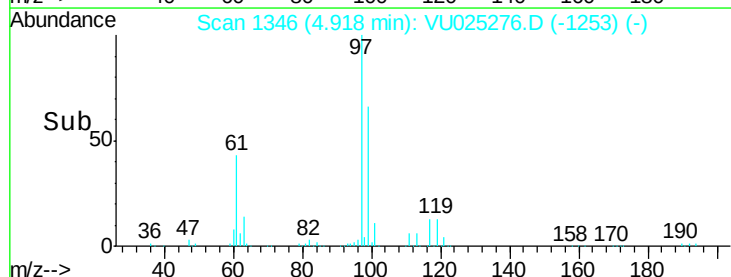
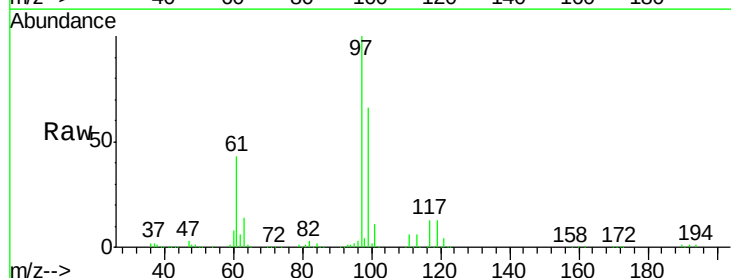
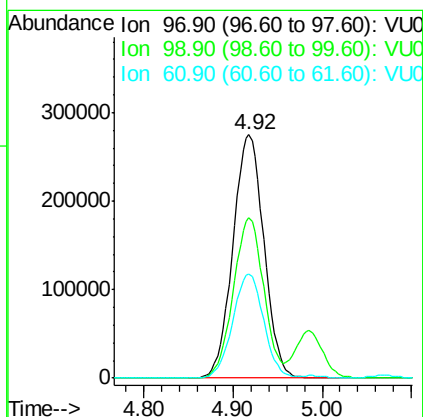
Manual Integrations
APPROVED

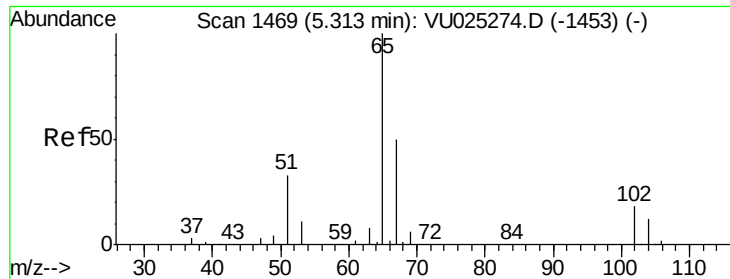
MMDadoda
7/10/2018 2:33:49 PM



#32
1,1,1-Trichloroethane
Concen: 153.80 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.8	76.2
61	42.7	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 139.59 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 460469

Ion Ratio Lower Upper

65 100

67 51.4

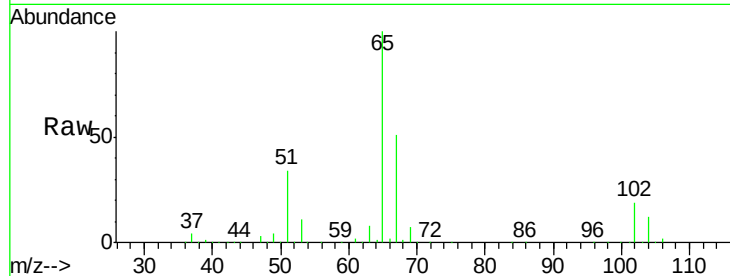
0.0 103.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

250000

200000

150000

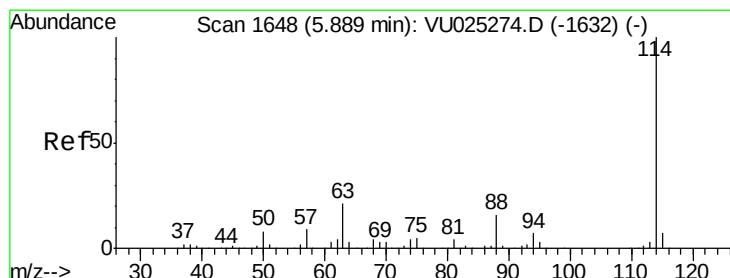
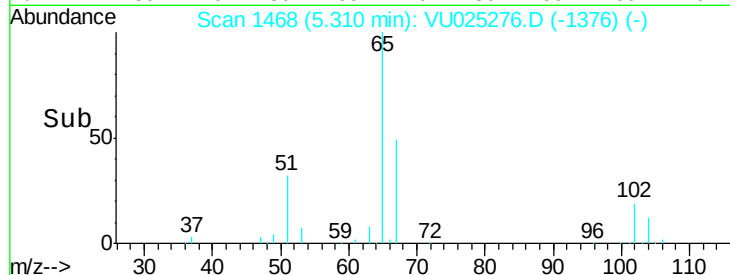
100000

50000

0

5.20 5.25 5.30 5.35 5.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Tgt Ion: 114 Resp: 315889

Ion Ratio Lower Upper

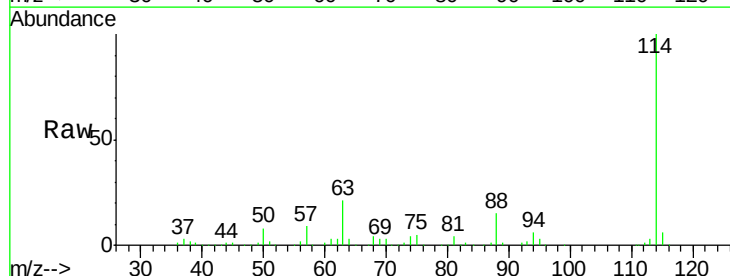
114 100

63 20.5

0.0 41.6

88 15.4

0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

200000

150000

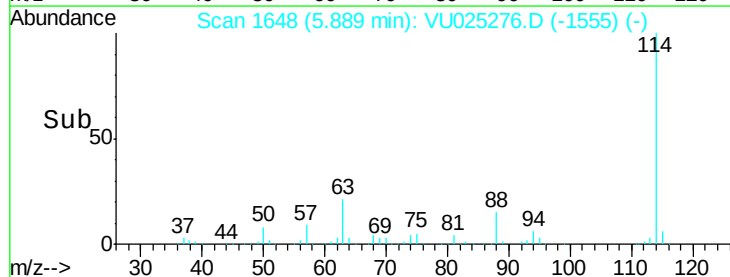
100000

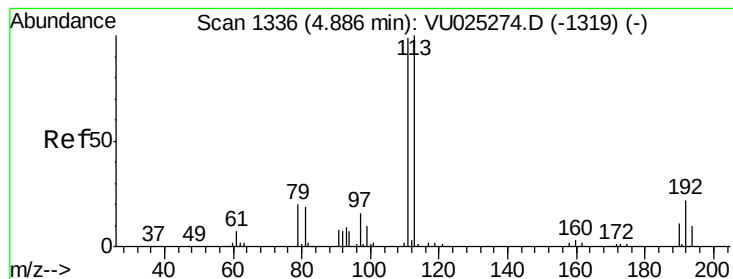
50000

0

5.80 5.90 6.00

Time-->





#35

Dibromofluoromethane

Concen: 145.37 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

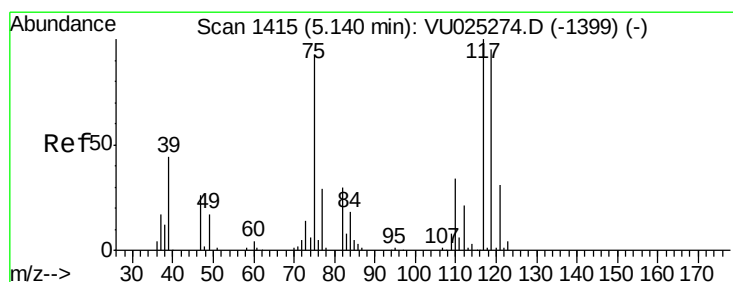
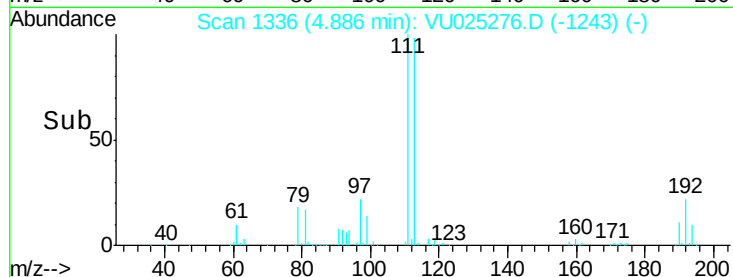
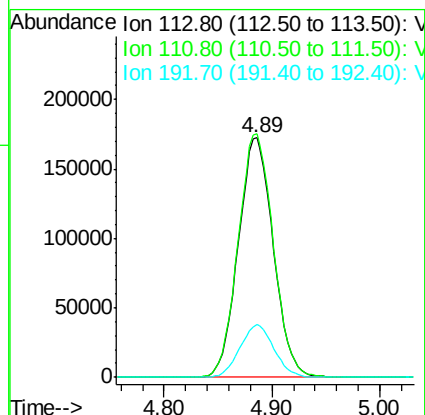
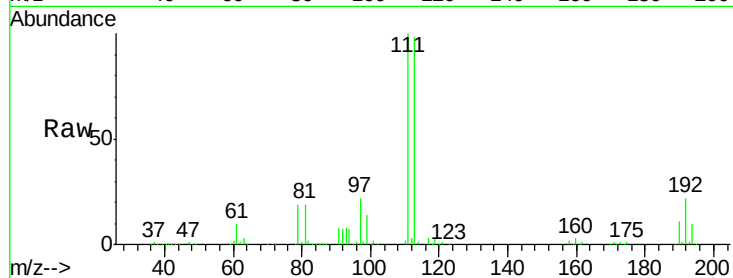
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	387383
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.7	122.5
192	21.5	17.1	25.7

Manual Integrations
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7/10/2018 2:33:49 PM



#36

1,1-Dichloropropene

Concen: 152.83 ug/l

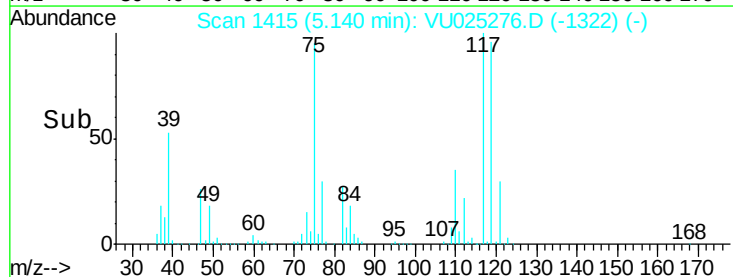
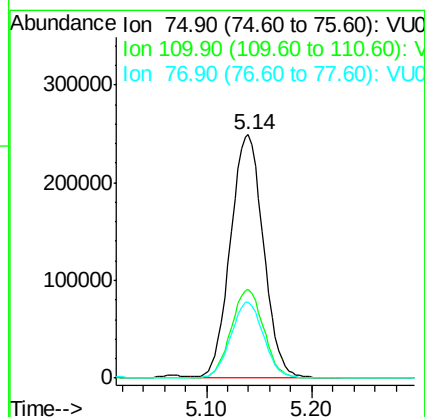
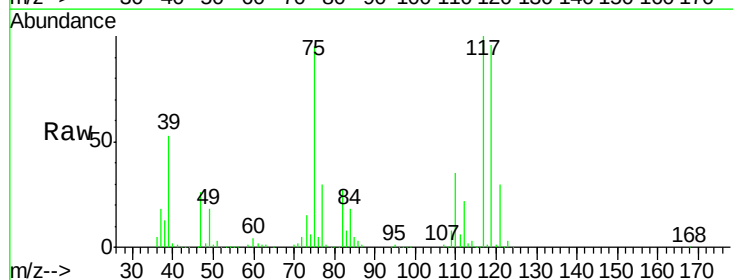
RT: 5.14 min Scan# 1415

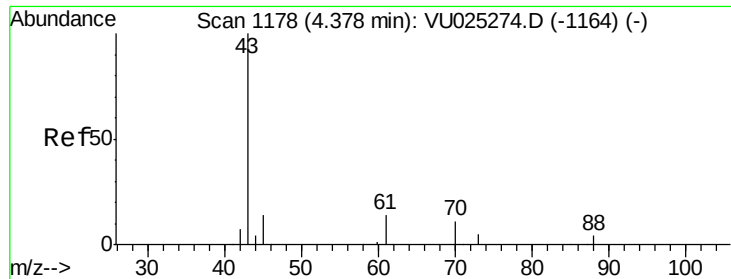
Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Tgt Ion:	75	Resp:	536699
Ion Ratio	Lower	Upper	
75	100		
110	36.4	17.6	52.9
77	31.2	24.4	36.6





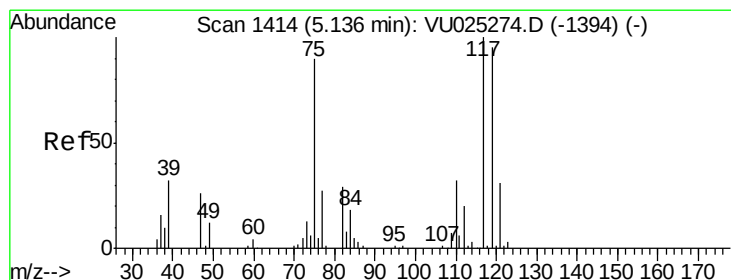
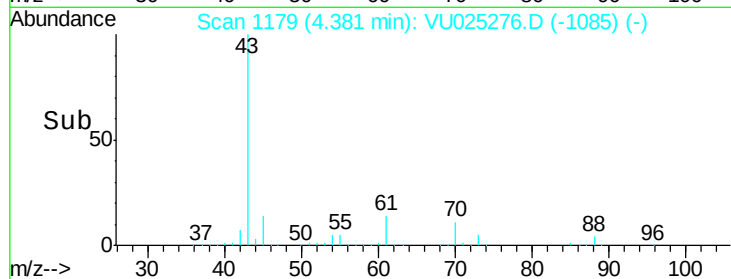
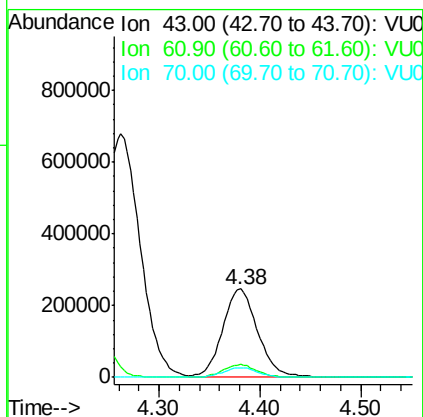
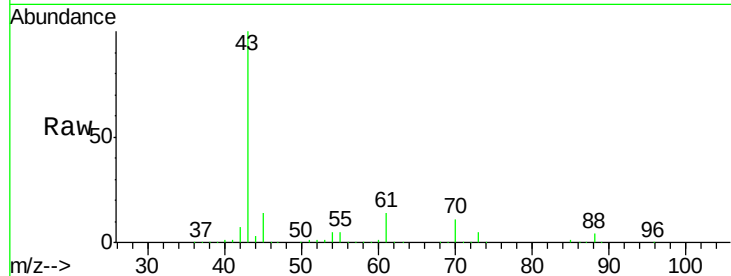
#37
Ethyl Acetate
Concen: 151.69 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	10.9	8.4	12.6

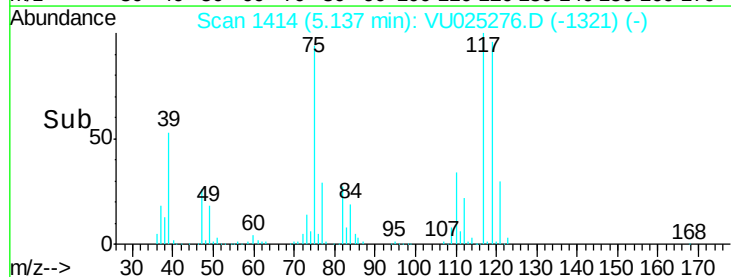
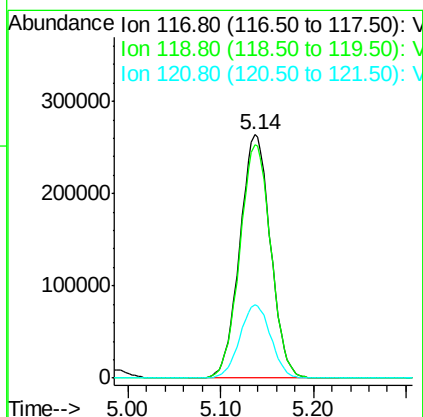
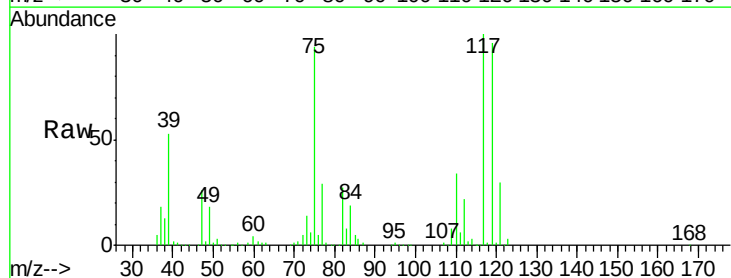
Manual Integrations
APPROVED

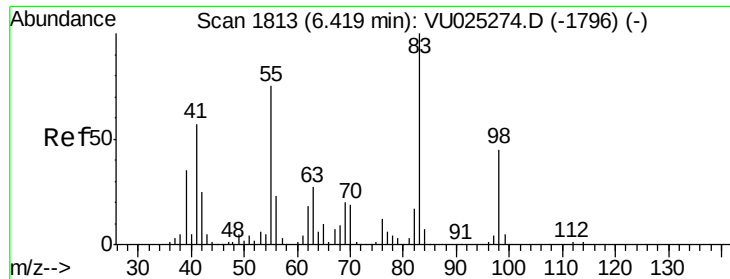
MMDadoda
7/10/2018 2:33:49 PM



#38
Carbon Tetrachloride
Concen: 160.21 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.7	113.5
121	30.2	24.6	36.8





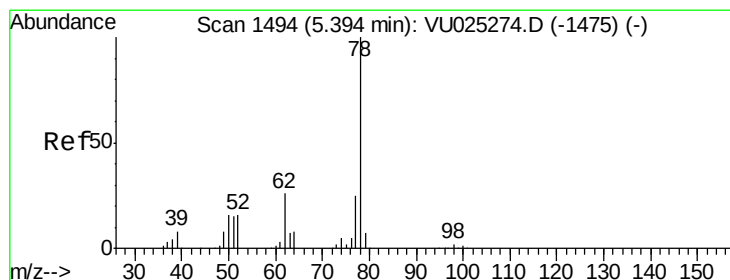
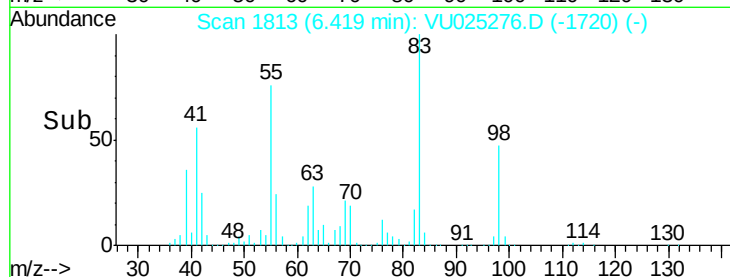
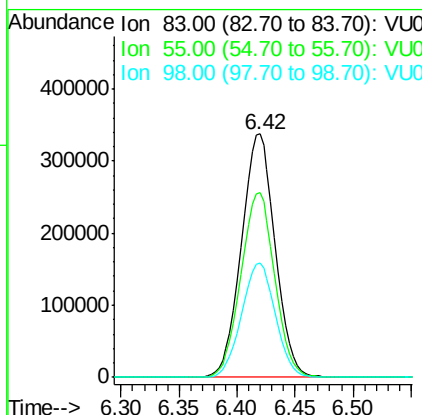
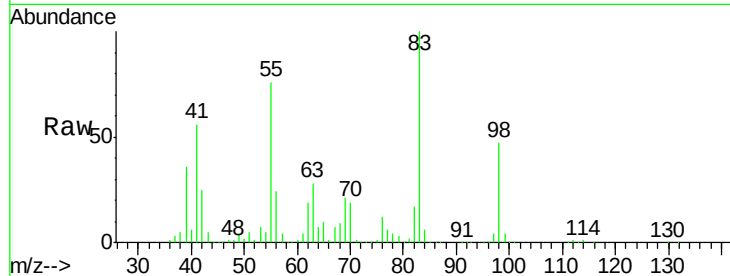
#39
Methylvlcyclohexane
Concen: 155.82 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.0	90.0
98	46.9	36.1	54.1

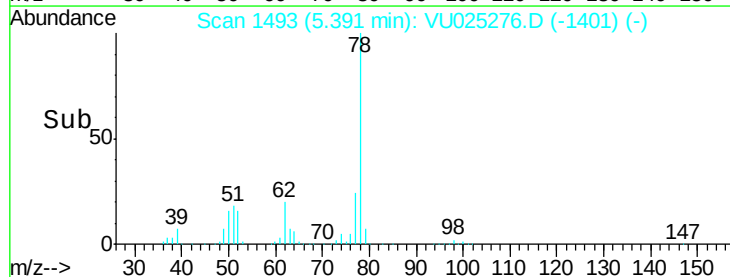
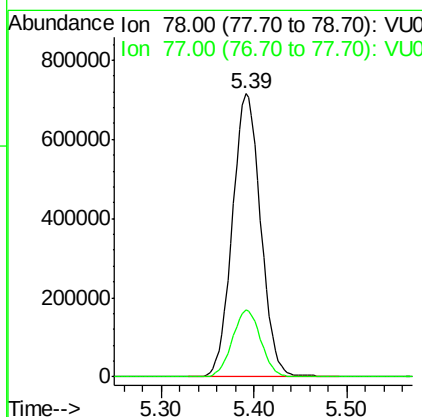
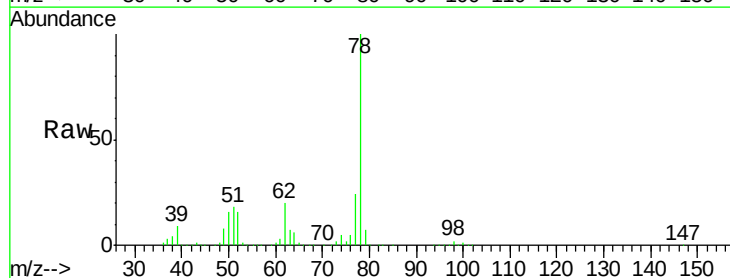
Manual Integrations
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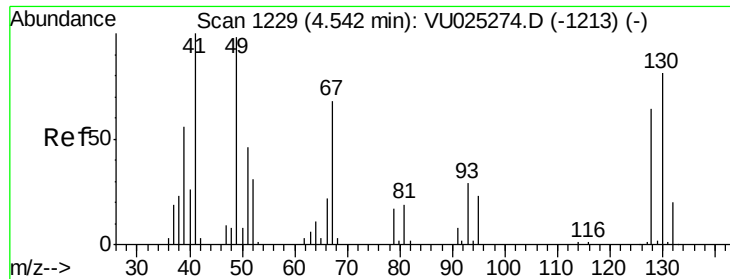
MMDadoda
7/10/2018 2:33:49 PM



#40
Benzene
Concen: 149.63 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.8	29.6





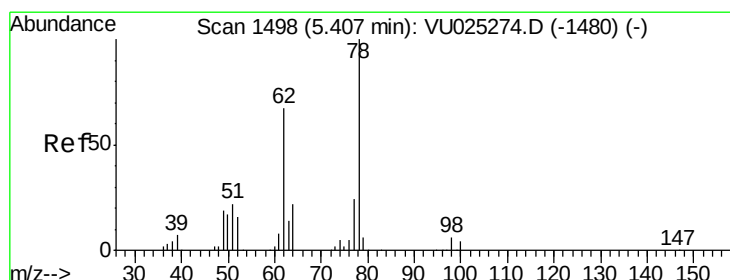
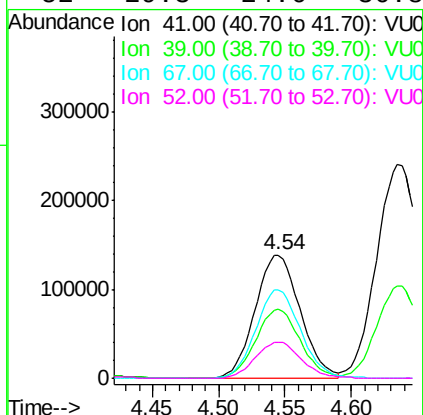
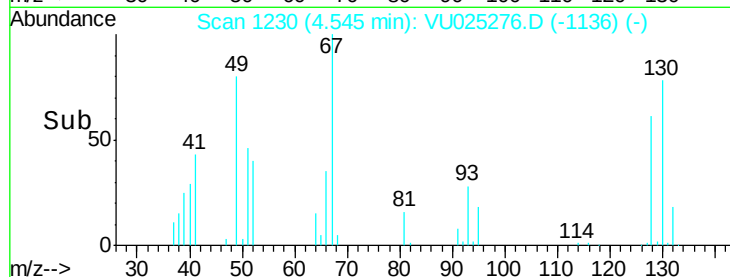
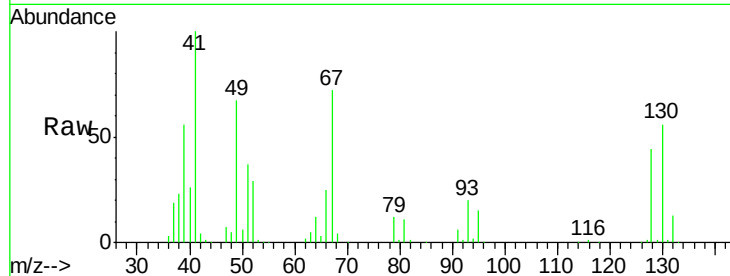
#41
Methacrylonitrile
Concen: 151.52 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.0	44.4	66.6	
67	71.7	56.0	84.0	
52	29.3	24.6	36.8	

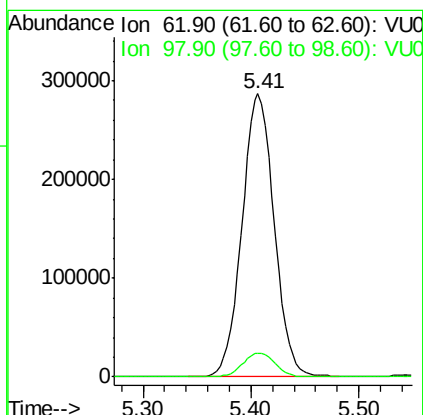
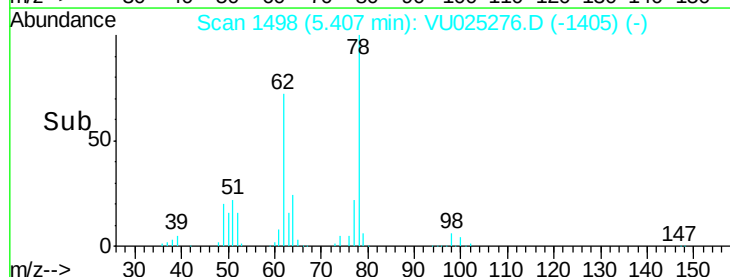
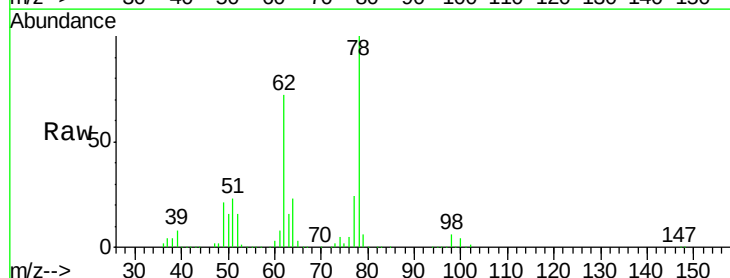
Manual Integrations
APPROVED

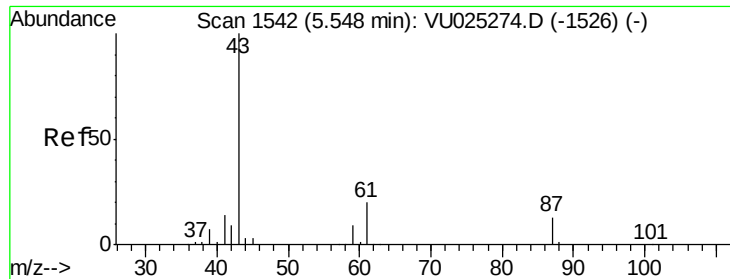
MMDadoda
7/10/2018 2:33:49 PM



#42
1,2-Dichloroethane
Concen: 147.64 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.4	





#43

Isopropyl Acetate

Concen: 153.63 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

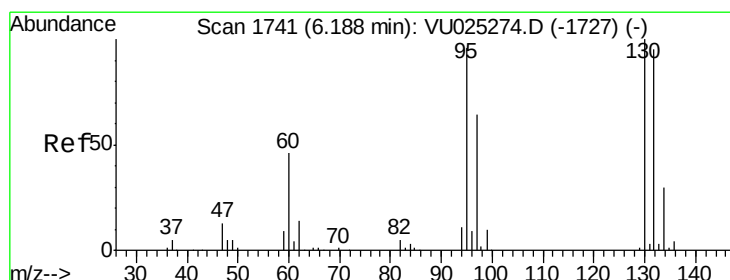
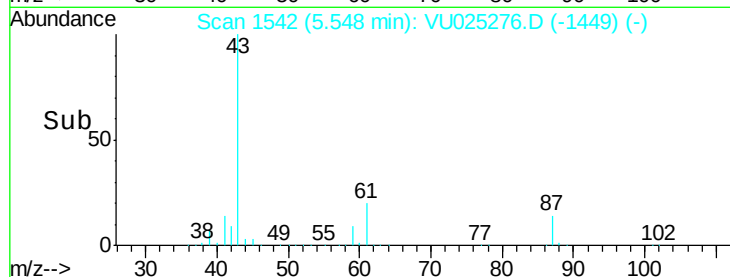
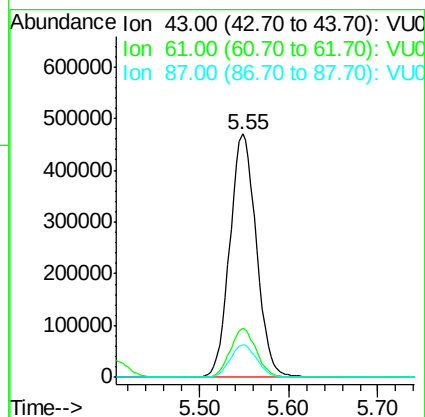
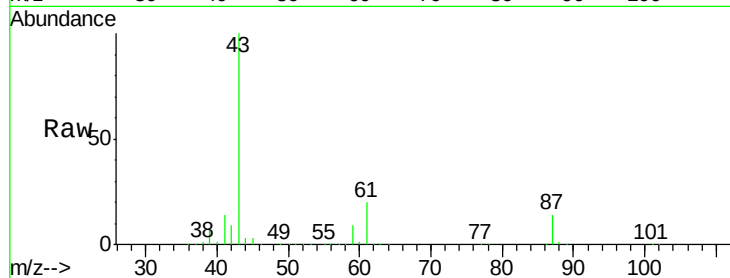
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	963576
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.5	23.3
87	13.5	10.6	16.0

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#44

Trichloroethene

Concen: 150.76 ug/l

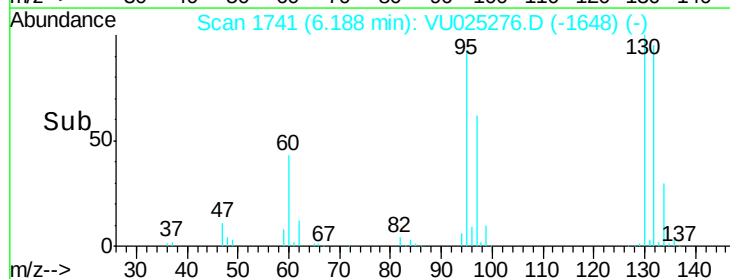
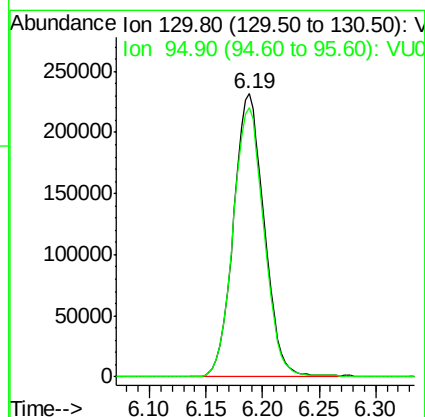
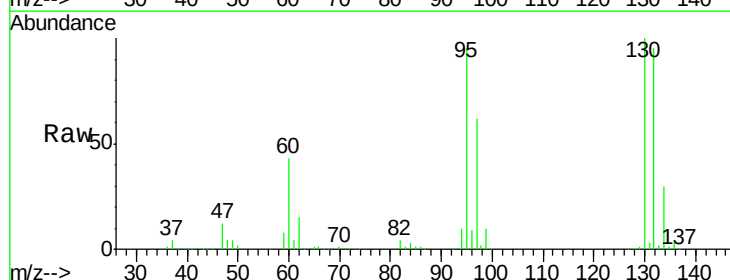
RT: 6.19 min Scan# 1741

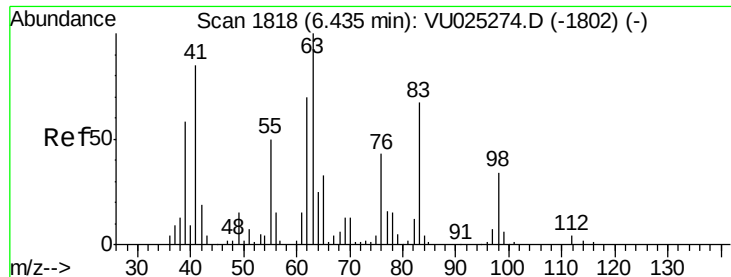
Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Tgt Ion:	130	Resp:	438091
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	192.2





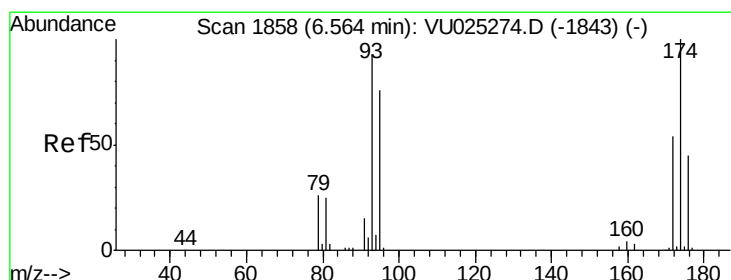
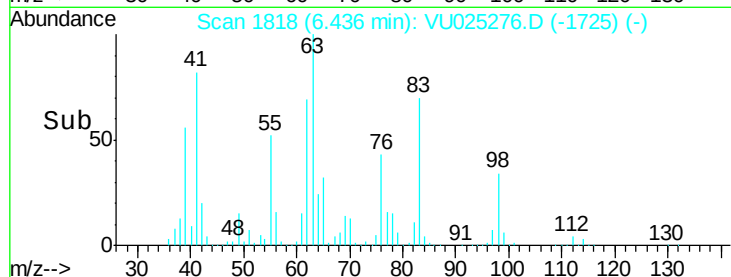
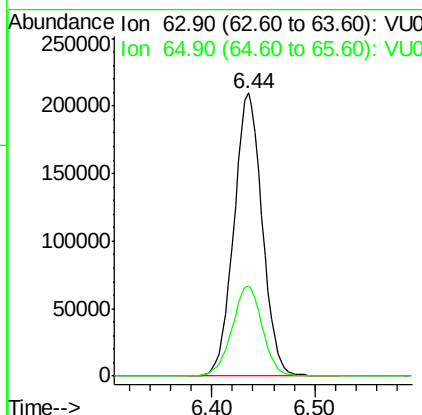
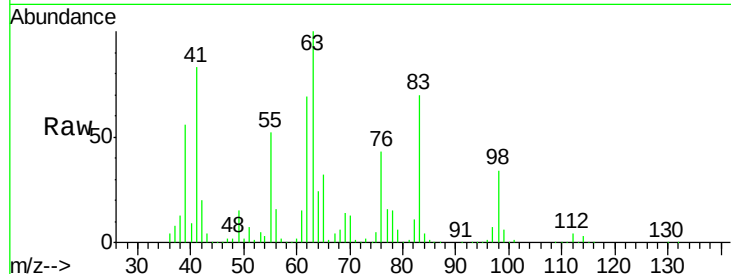
#45
 1,2-Dichloropropane
 Concen: 151.20 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 400791
 Ion Ratio Lower Upper
 63 100
 65 32.0 26.1 39.1

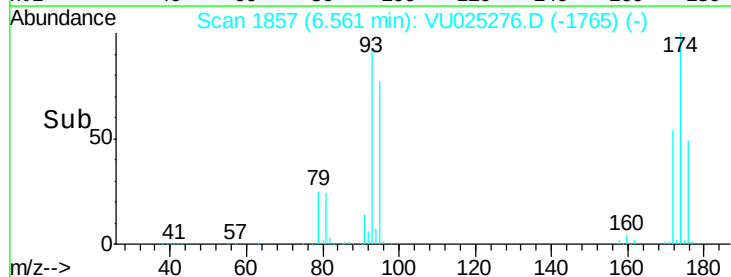
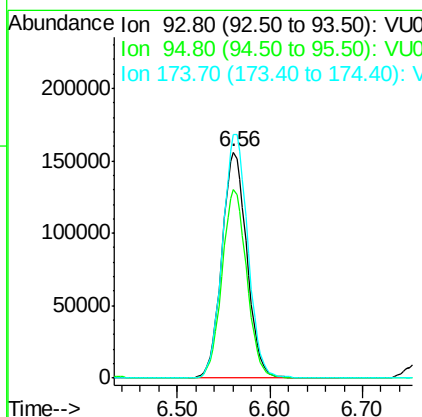
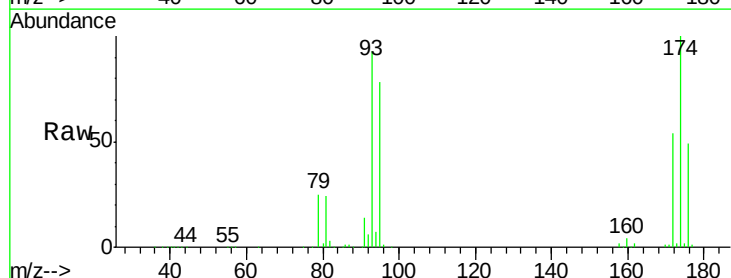
Manual Integrations
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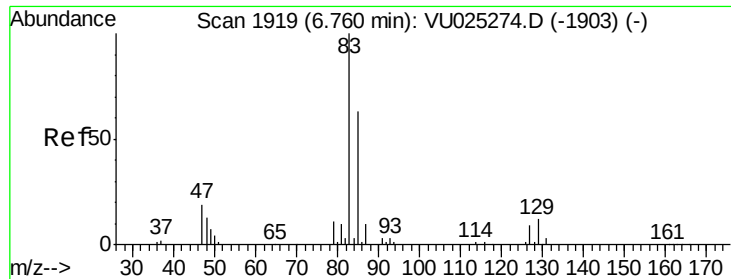
MMDadoda
 7/10/2018 2:33:49 PM



#46
 Dibromomethane
 Concen: 151.11 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Tgt Ion: 93 Resp: 291494
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 109.1 85.8 128.8





#47

Bromodichloromethane

Concen: 160.57 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 575422

Ion Ratio Lower Upper

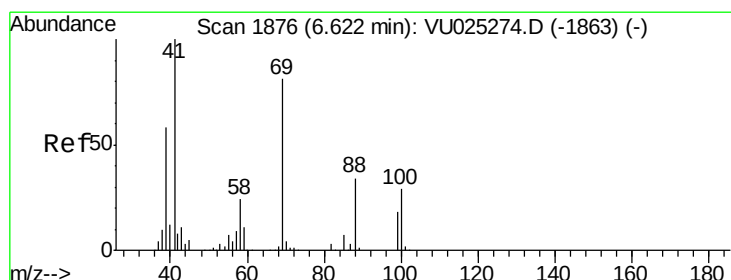
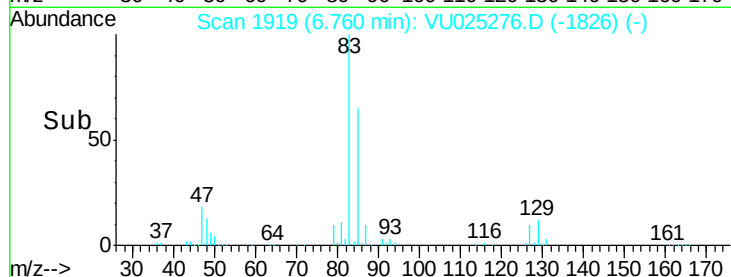
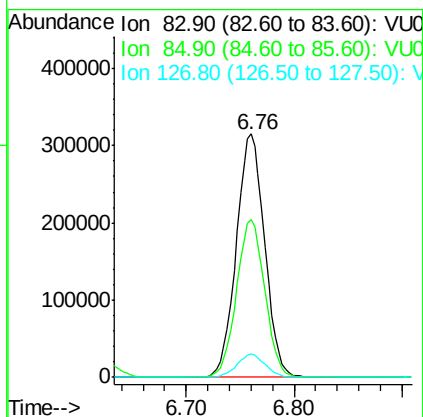
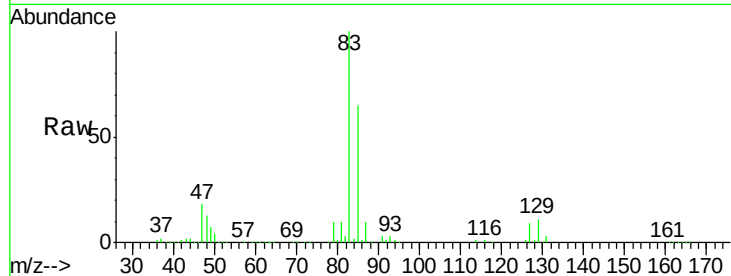
83 100

85 64.6 50.2 75.4

127 9.5 7.2 10.8

Manual Integrations
APPROVED

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#48

Methyl methacrylate

Concen: 159.11 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

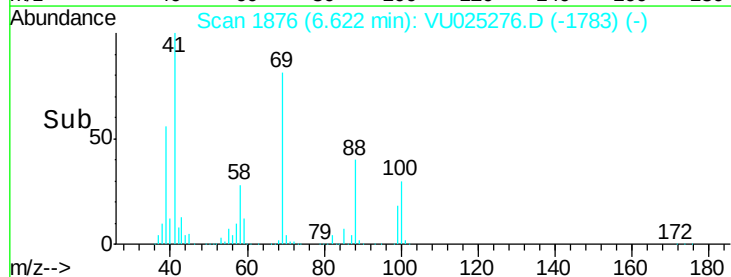
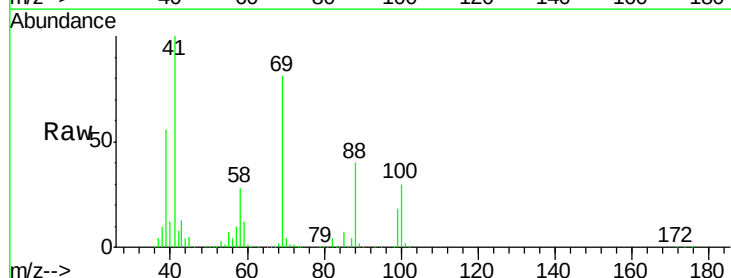
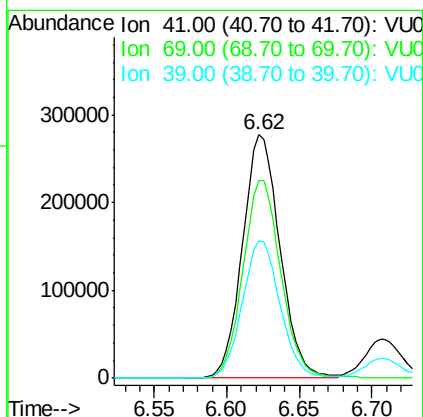
Tgt Ion: 41 Resp: 497489

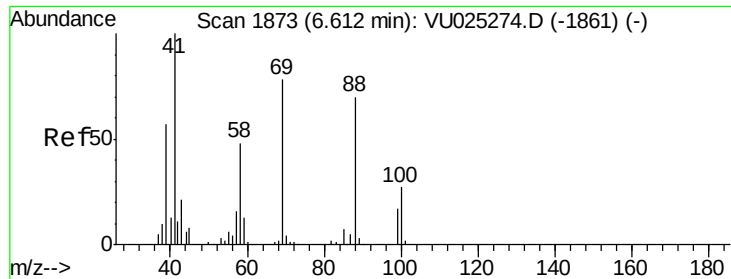
Ion Ratio Lower Upper

41 100

69 82.8 65.0 97.4

39 56.7 46.4 69.6





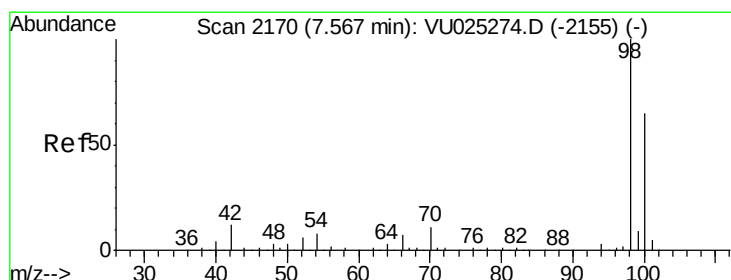
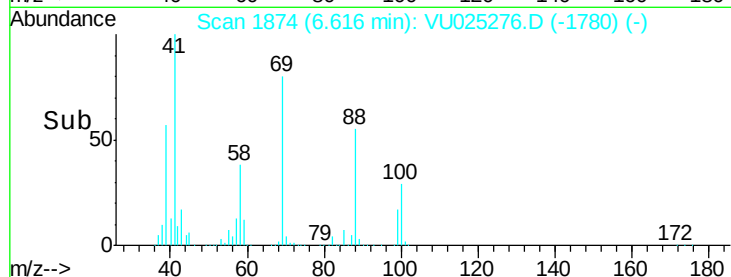
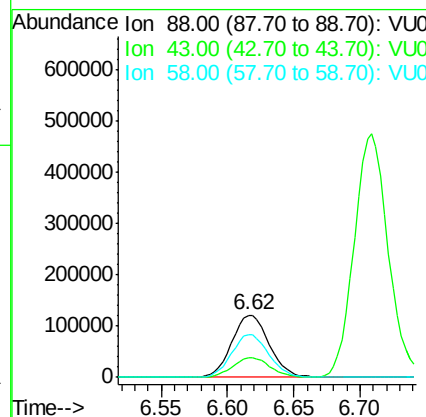
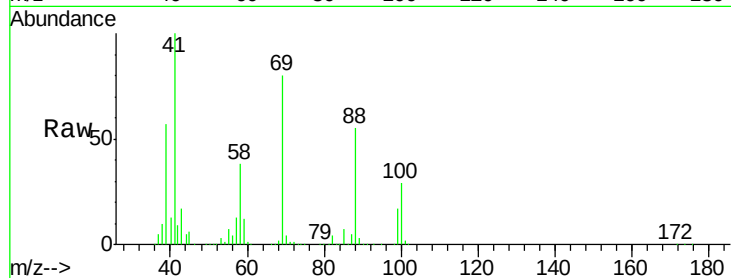
#49
1,4-Dioxane
Concen: 3118.73 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	27.3	40.9
58	69.6	57.6	86.4

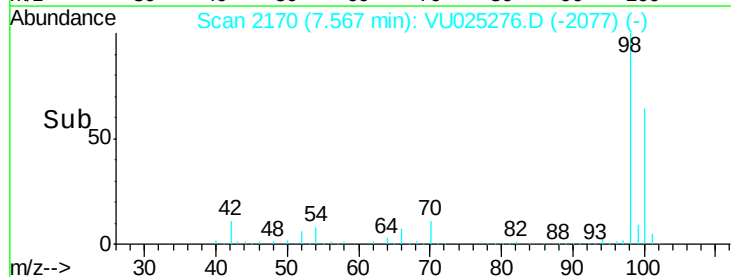
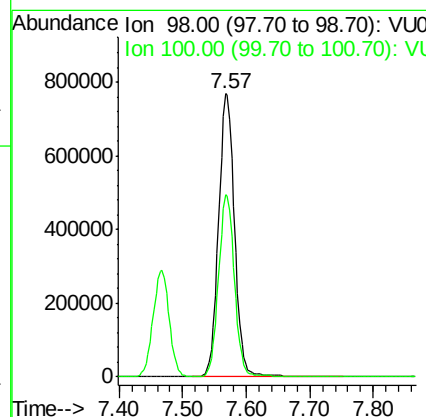
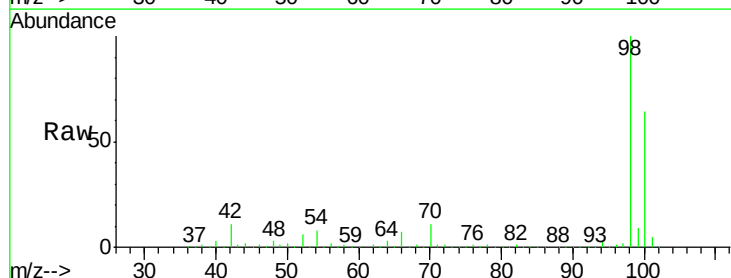
Manual Integrations
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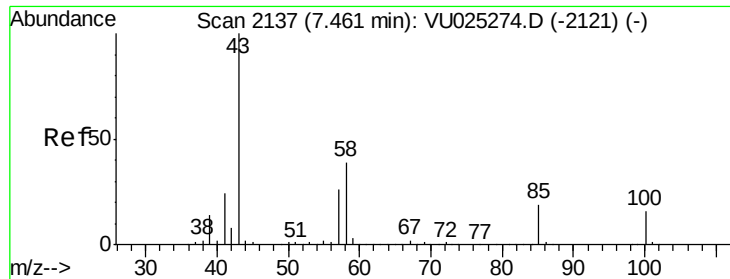
MMDadoda
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#50
Toluene-d8
Concen: 146.75 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 797.06 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3249187

Ion Ratio Lower Upper

43 100

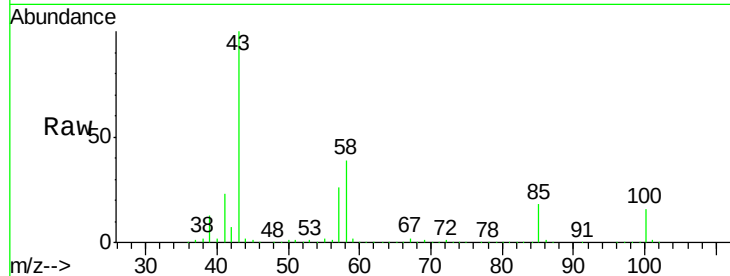
58 38.8 31.0 46.4

Manual Integrations

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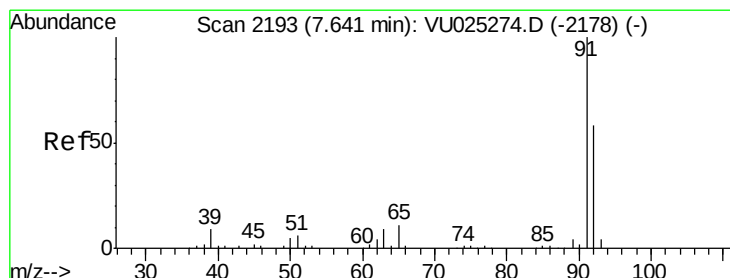
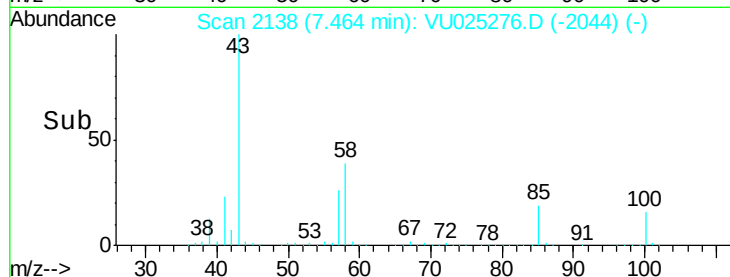
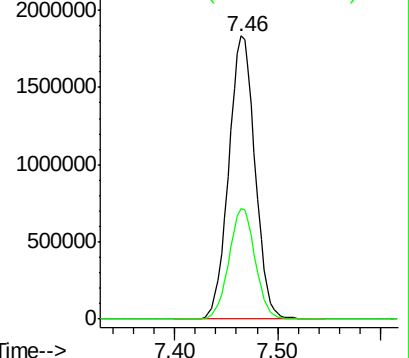
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 156.53 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025276.D

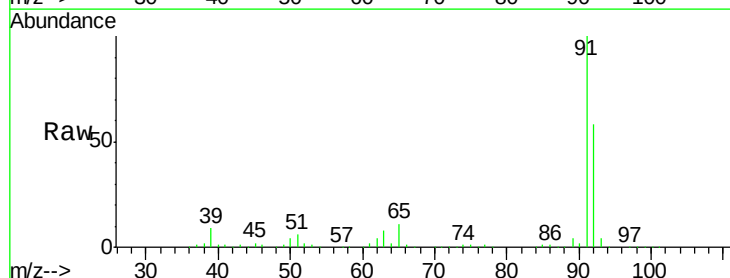
Acq: 09 Jul 2018 16:12

Tgt Ion: 92 Resp: 1007862

Ion Ratio Lower Upper

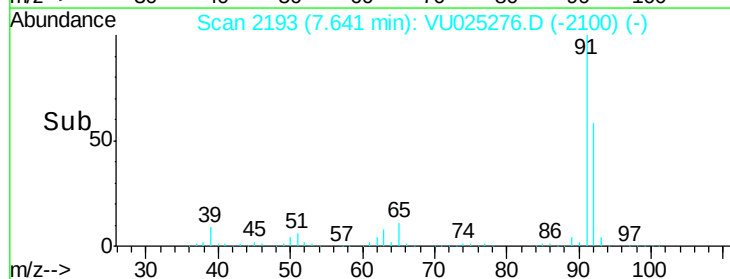
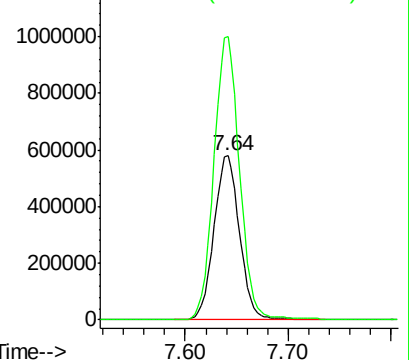
92 100

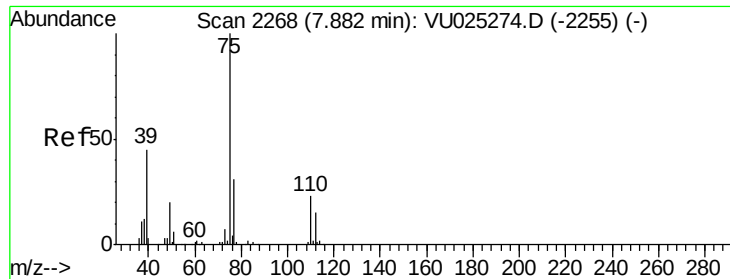
91 172.9 139.2 208.8



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: 170.11 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 669773

Ion Ratio Lower Upper

75 100

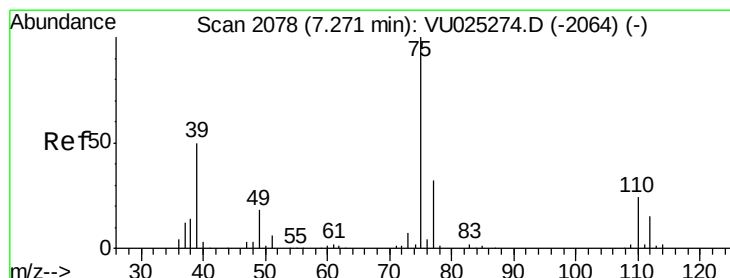
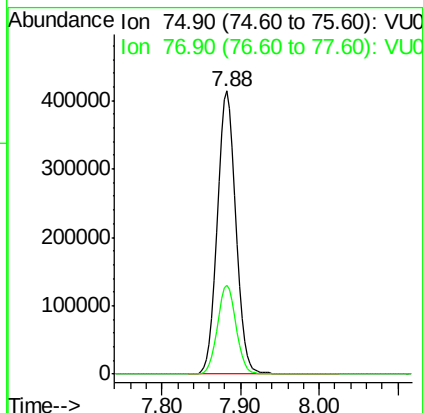
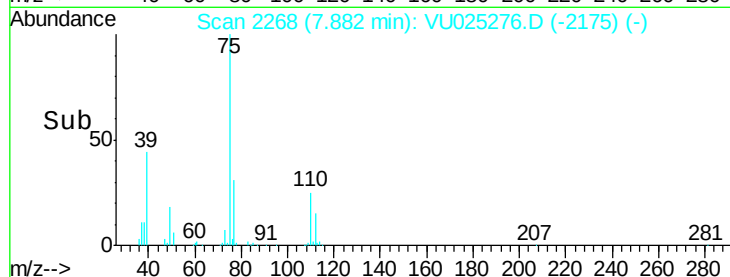
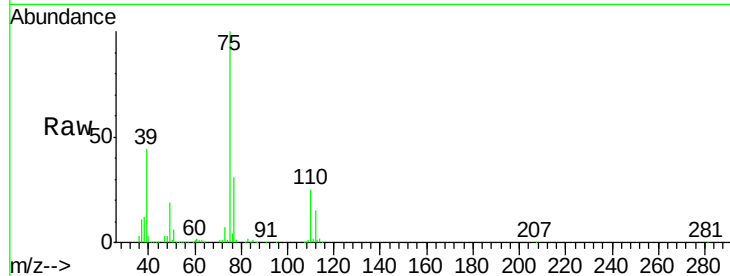
77 31.4 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 163.45 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

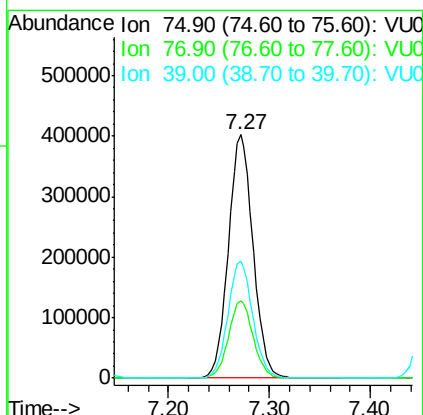
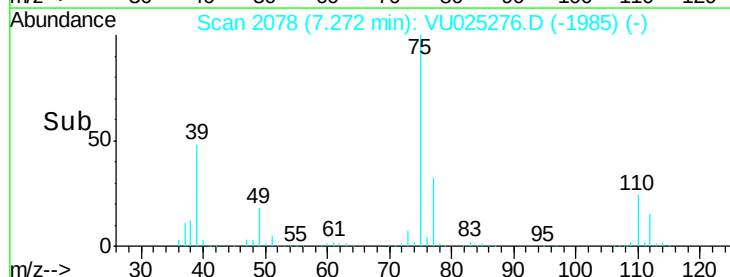
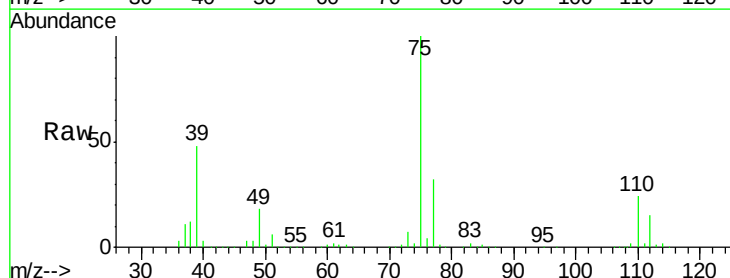
Tgt Ion: 75 Resp: 684916

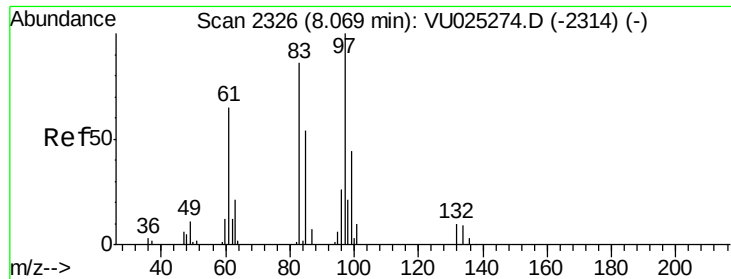
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 48.0 40.0 60.0





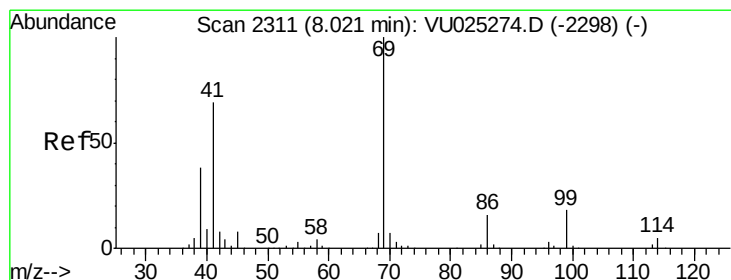
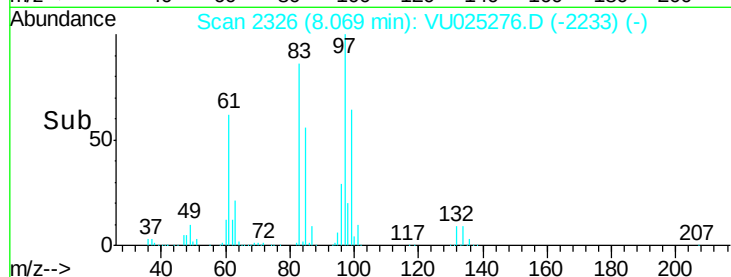
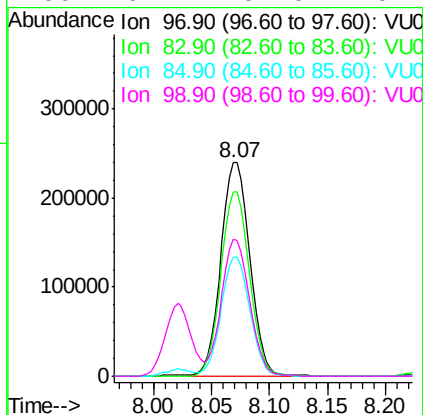
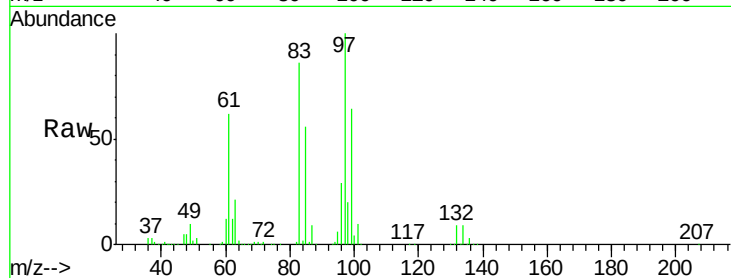
#55
 1,1,2-Trichloroethane
 Concen: 154.74 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	414943
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.9	103.3
85	55.6	44.4	66.6
99	64.1	51.0	76.4

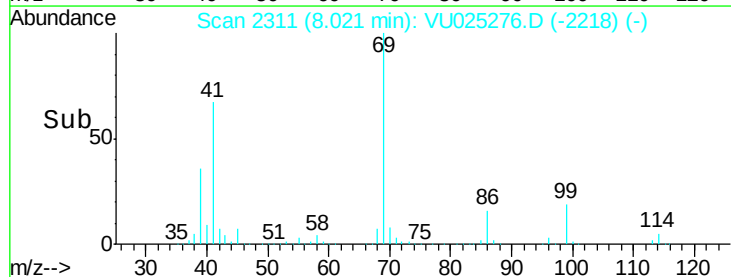
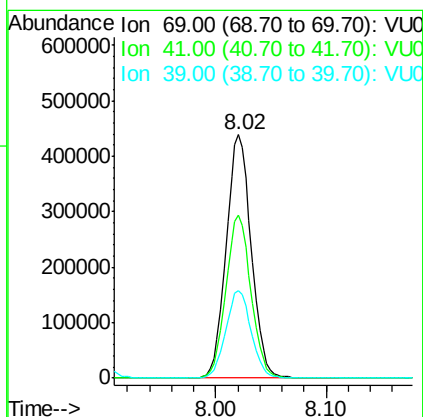
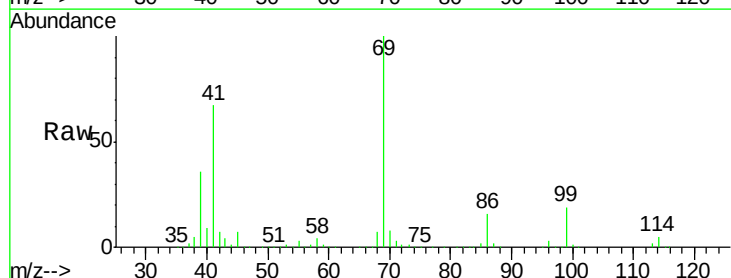
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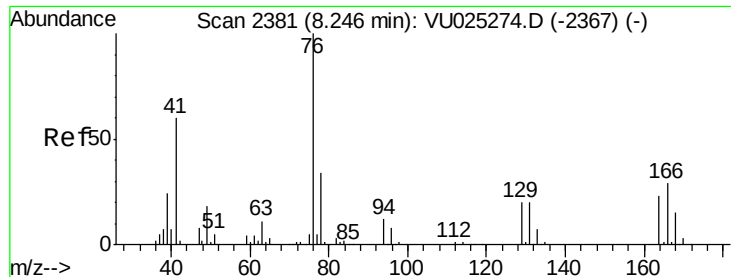
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#56
 Ethyl methacrylate
 Concen: 164.76 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Tgt Ion:	69	Resp:	690074
Ion	Ratio	Lower	Upper
69	100		
41	66.9	54.8	82.2
39	36.2	31.1	46.7





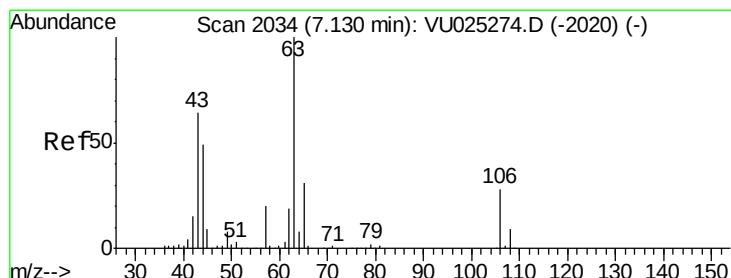
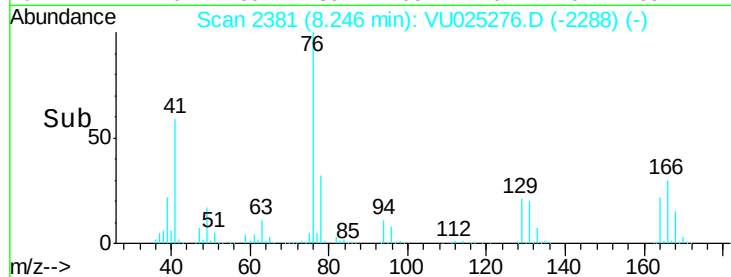
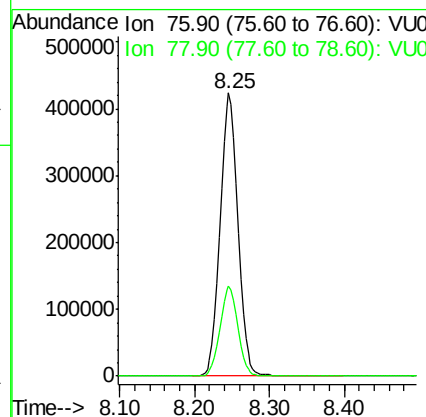
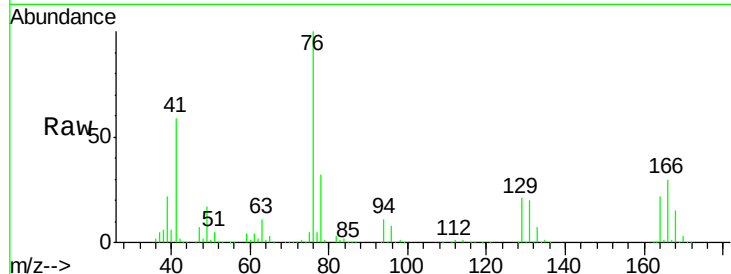
#57
 1,3-Dichloropropane
 Concen: 157.66 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 701850
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.1 39.1

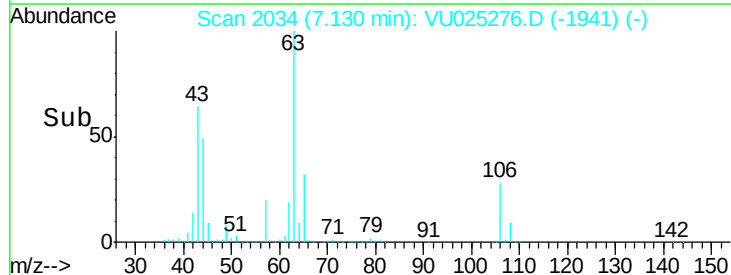
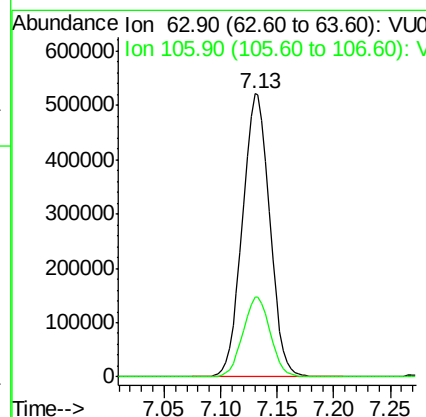
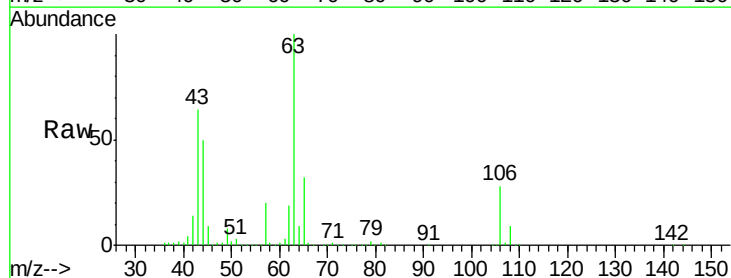
Manual Integrations
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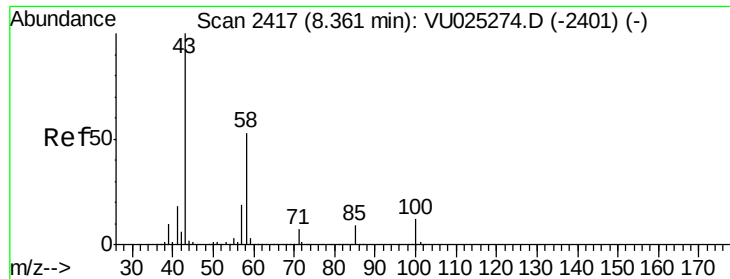
MMDadoda
 7/10/2018 2:33:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 594.88 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Tgt Ion: 63 Resp: 879208
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.3 33.5





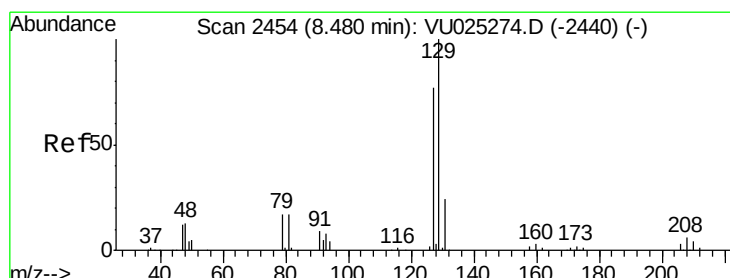
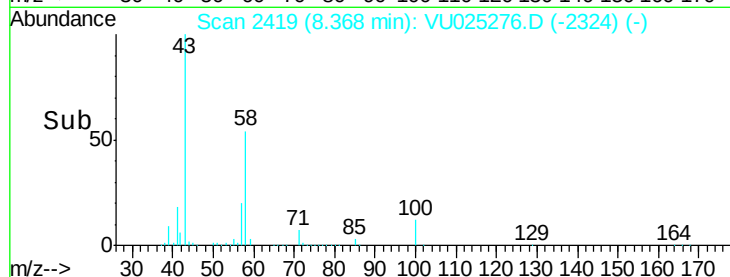
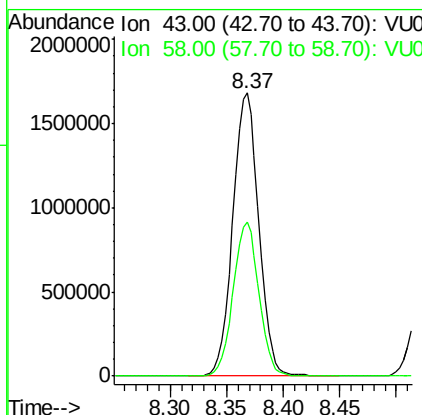
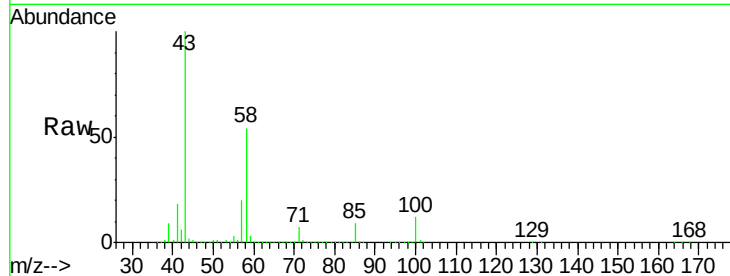
#59
2-Hexanone
Concen: 812.71 ug/l
RT: 8.37 min Scan# 2419
Delta R.T. 0.01 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2687255
Ion Ratio Lower Upper
43 100
58 54.2 26.2 78.5

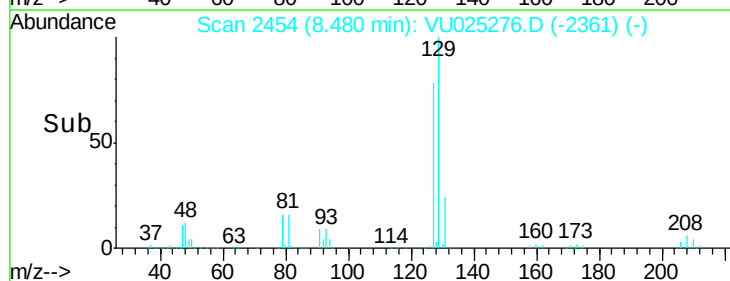
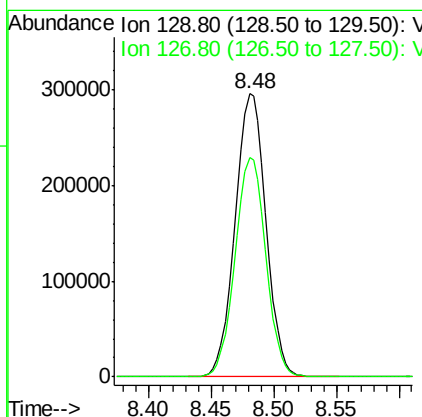
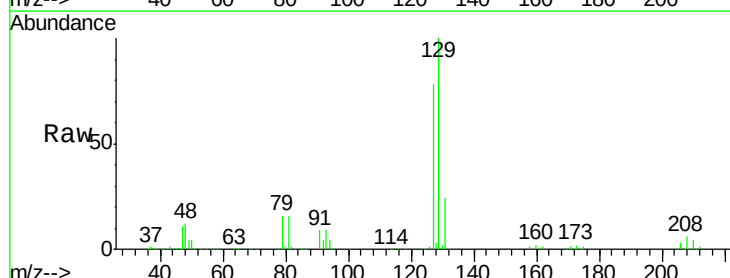
Manual Integrations
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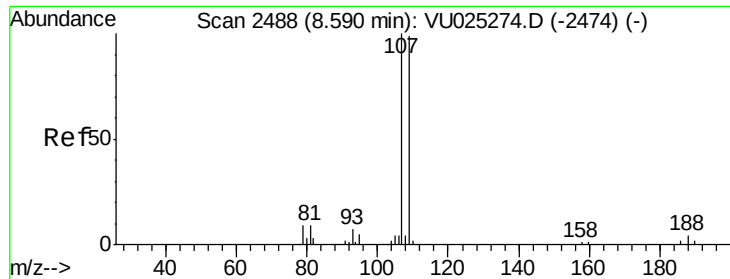
MMDadoda
7/10/2018 2:33:49 PM



#60
Dibromochloromethane
Concen: 174.80 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion: 129 Resp: 506223
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





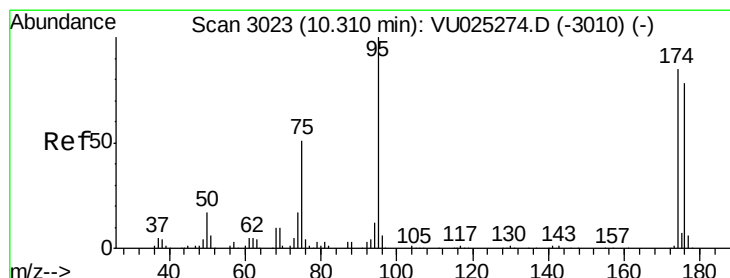
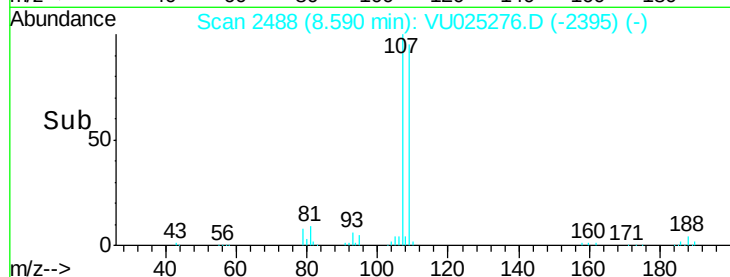
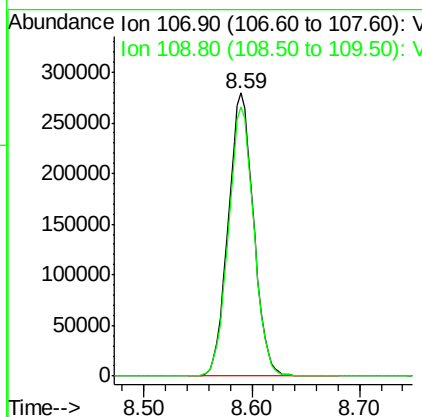
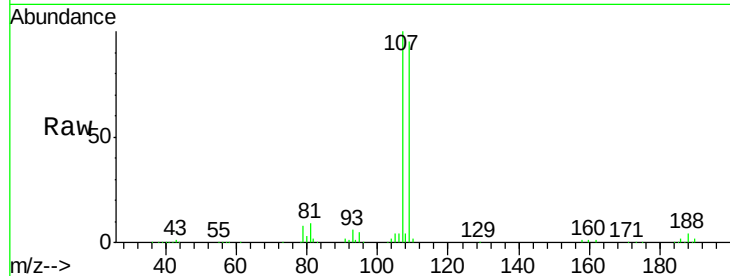
#61
 1,2-Dibromoethane
 Concen: 159.64 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.8	113.8

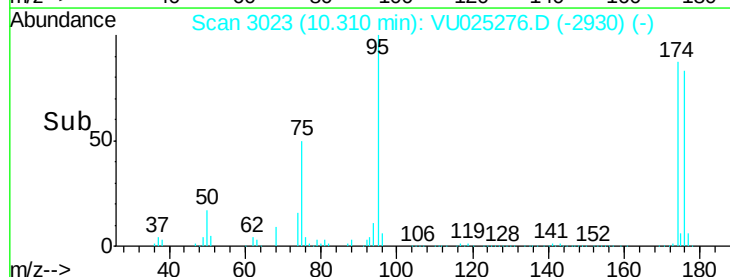
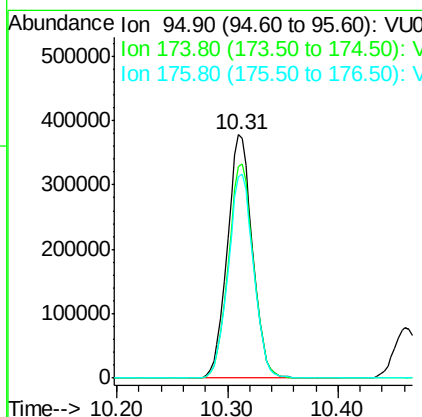
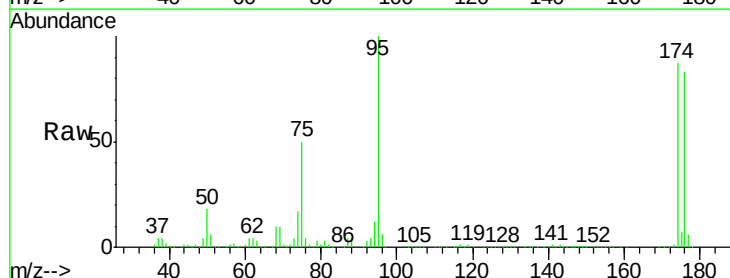
Manual Integrations
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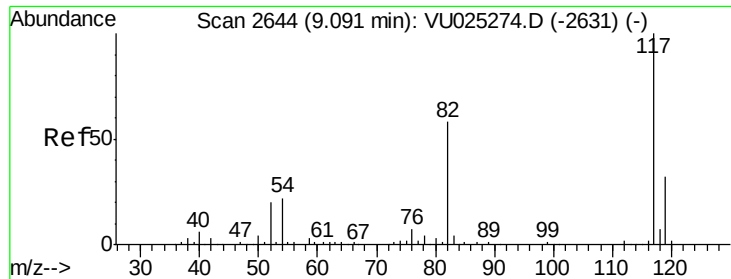
MMDadoda
 7/10/2018 2:33:49 PM



#62
 4-Bromofluorobenzene
 Concen: 161.98 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	172.2
176	84.4	0.0	162.6





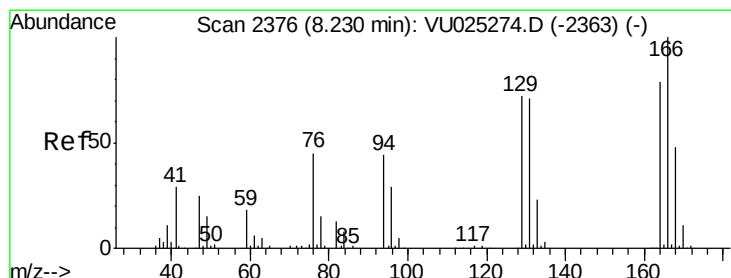
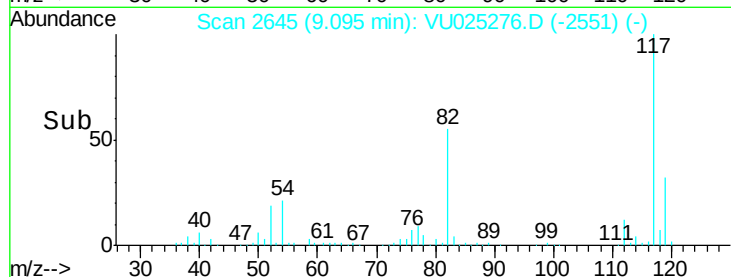
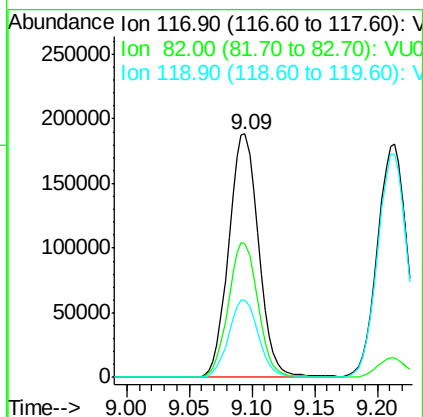
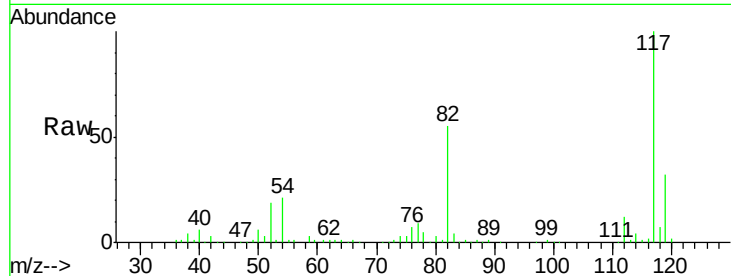
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	46.0	69.0
119	31.9	26.0	39.0

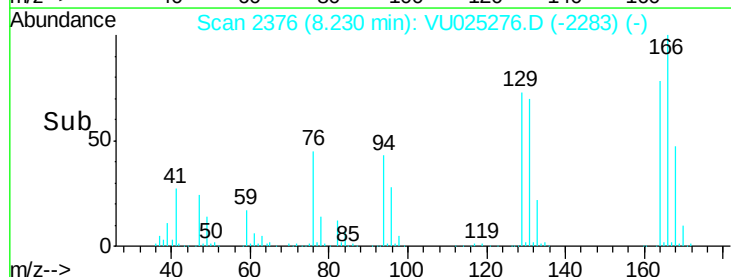
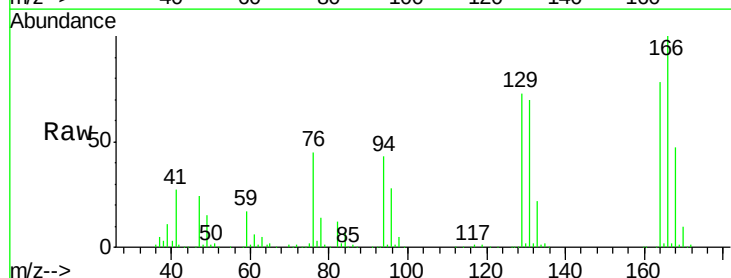
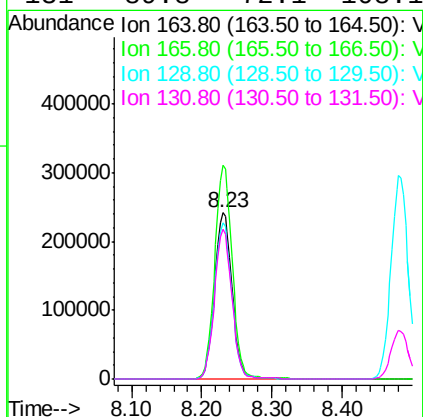
Manual Integrations
APPROVED

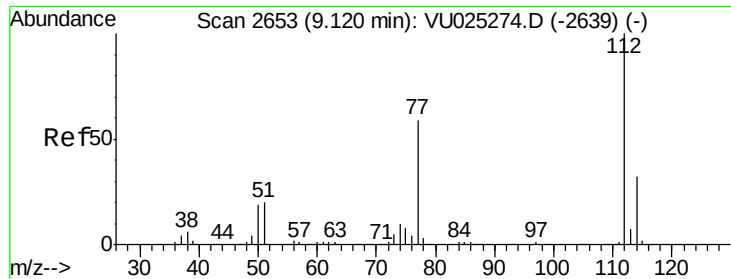
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#64
Tetrachloroethene
Concen: 145.62 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.1	151.7
129	93.6	73.0	109.6
131	89.8	72.1	108.1





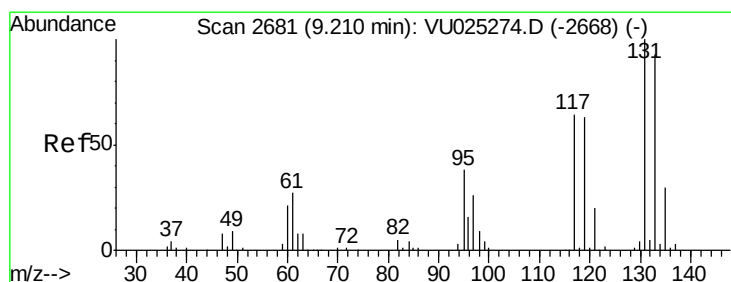
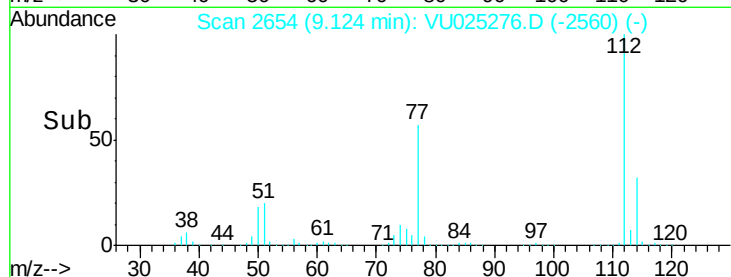
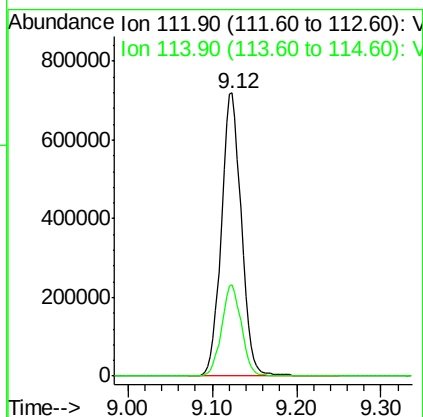
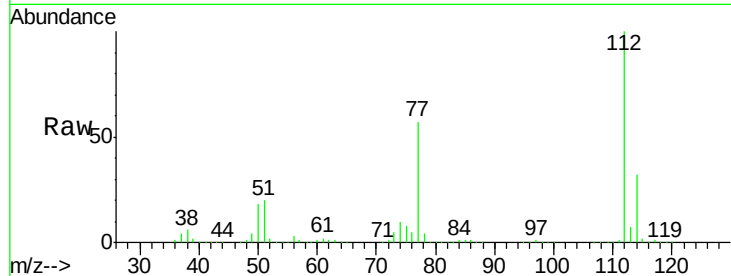
#65
Chlorobenzene
Concen: 151.83 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1182521
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

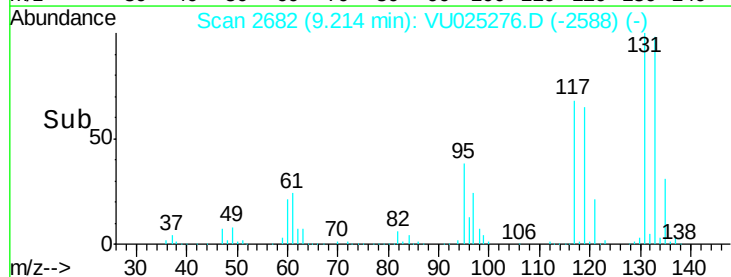
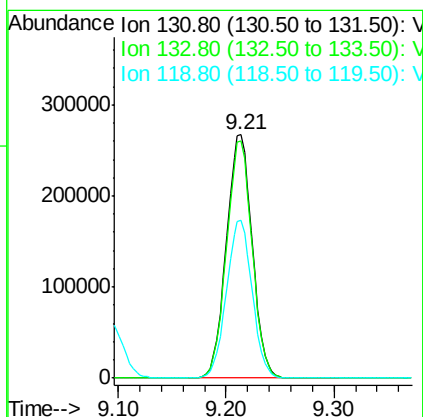
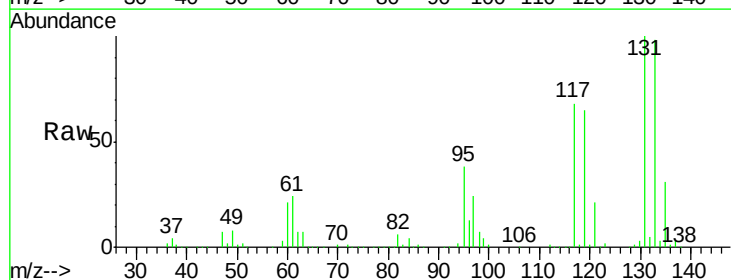
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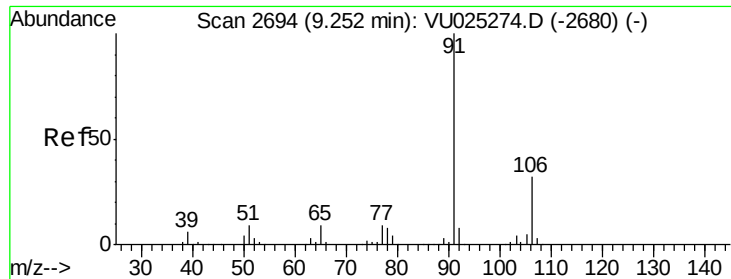
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#66
1,1,1,2-Tetrachloroethane
Concen: 159.72 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion:131 Resp: 444972
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 64.4 31.6 95.0





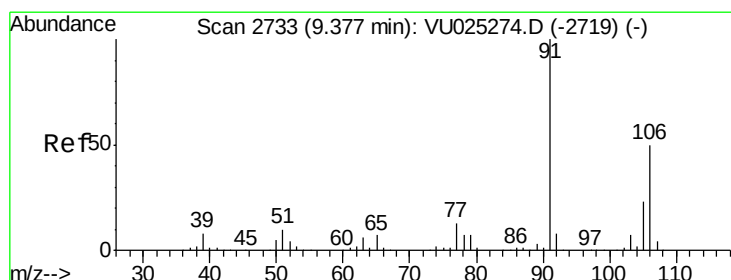
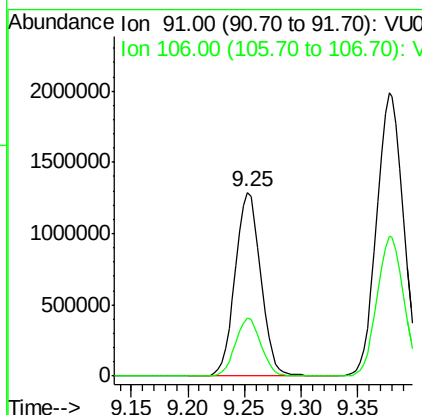
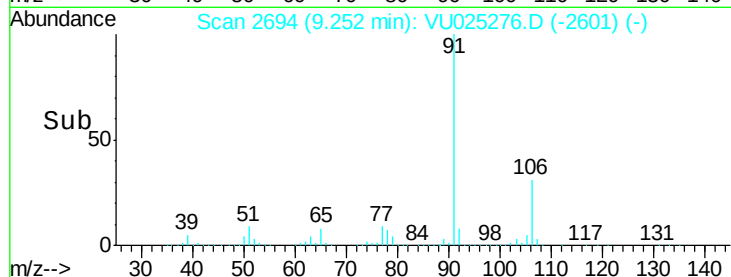
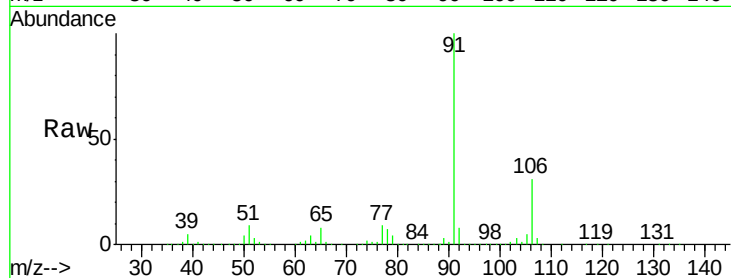
#67
Ethyl Benzene
Concen: 154.25 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2048175
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9

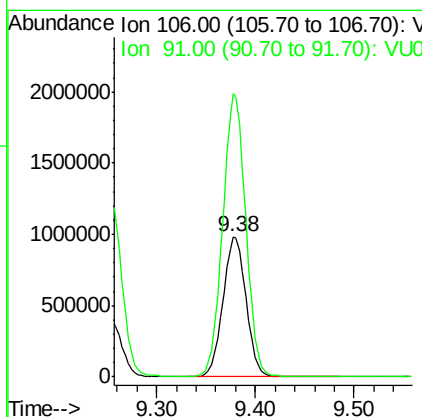
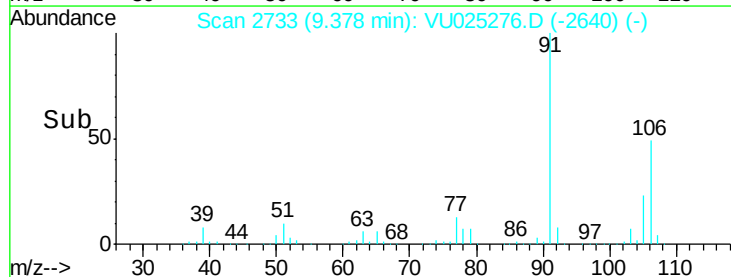
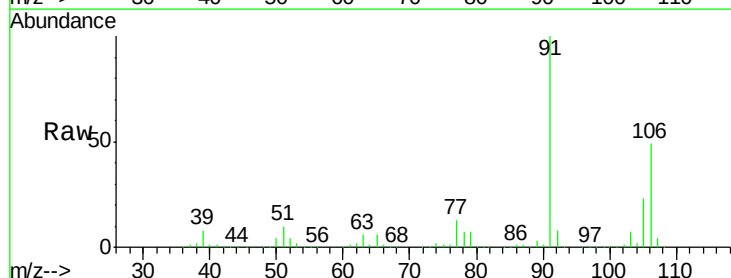
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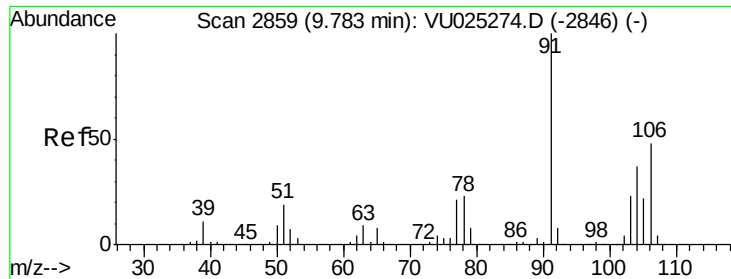
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#68
m/p-Xylenes
Concen: 315.25 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion: 106 Resp: 1618312
Ion Ratio Lower Upper
106 100
91 201.7 162.3 243.5





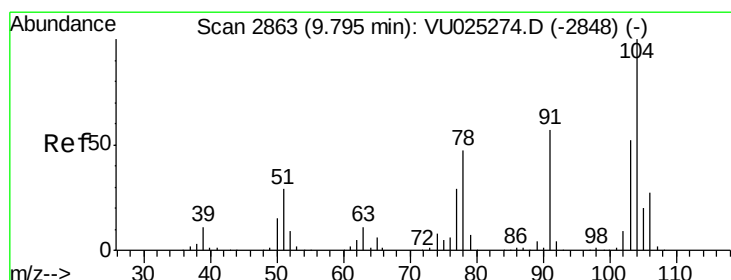
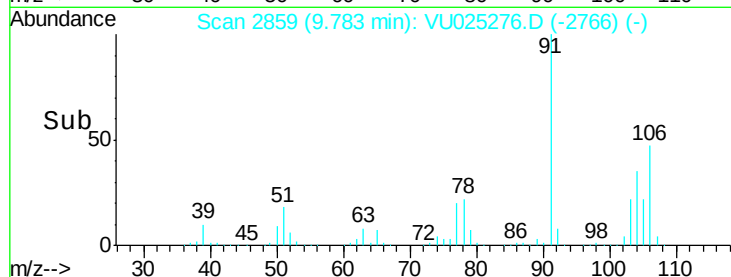
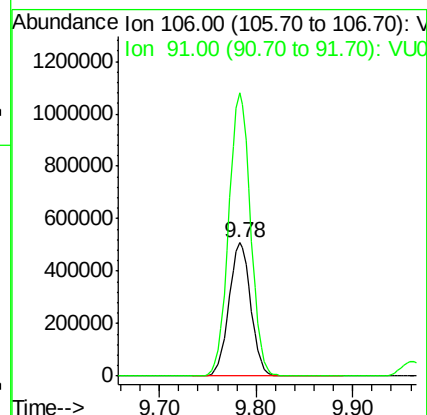
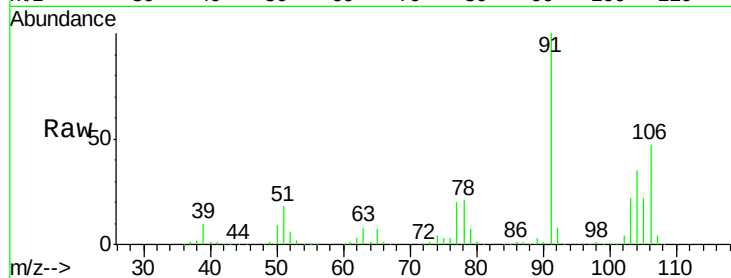
#69
o-Xylene
Concen: 154.48 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 793935
Ion Ratio Lower Upper
106 100
91 213.1 105.3 315.8

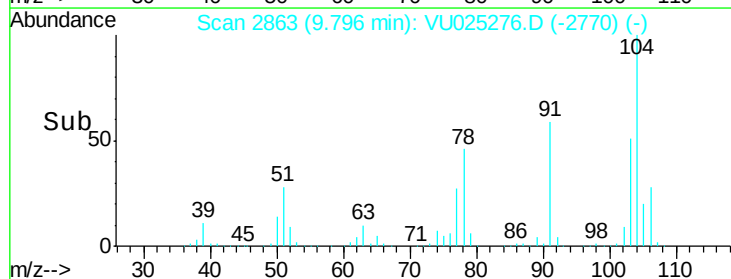
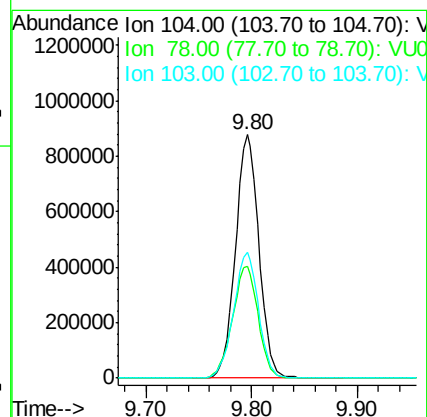
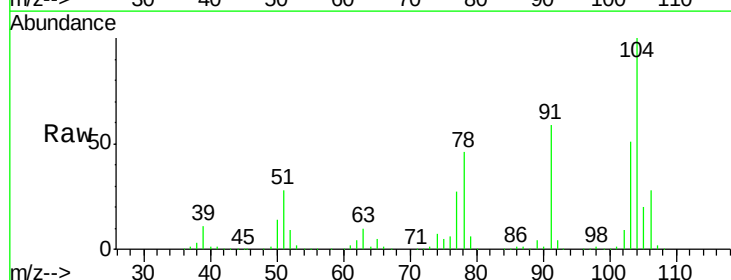
Manual Integrations
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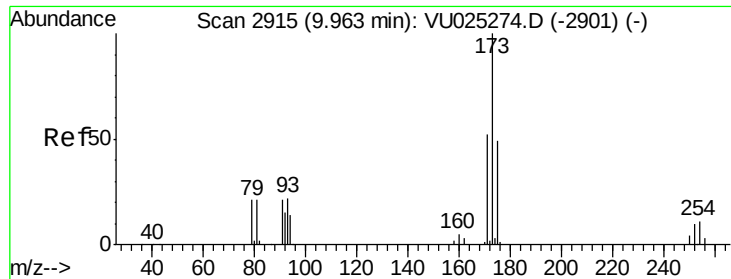
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#70
Styrene
Concen: 164.77 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion:104 Resp: 1345129
Ion Ratio Lower Upper
104 100
78 50.3 41.6 62.4
103 55.1 44.6 66.8





#71

Bromoform

Concen: 183.98 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

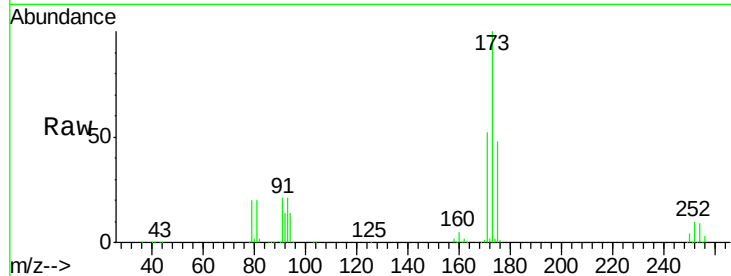
ClientSampleId :

VSTDIC150

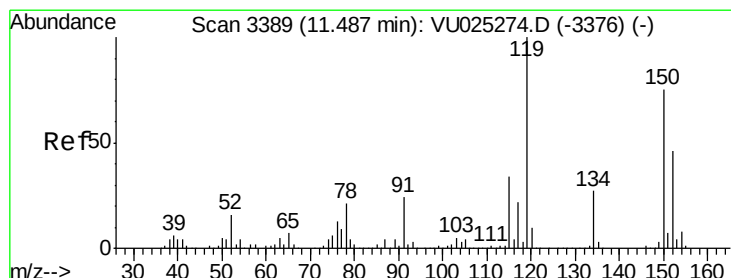
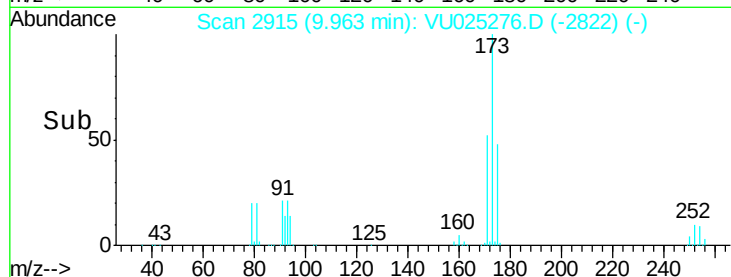
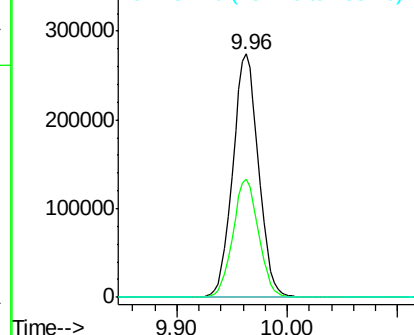
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.0	72.0
254	0.1	0.0	0.0

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

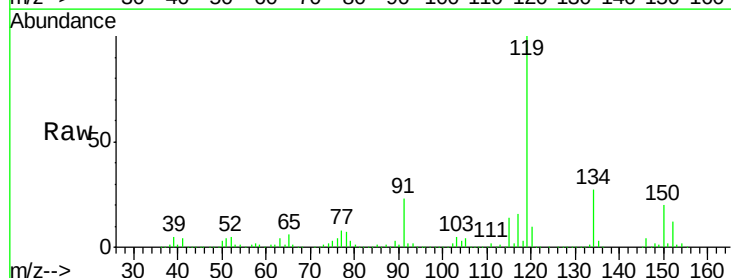
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

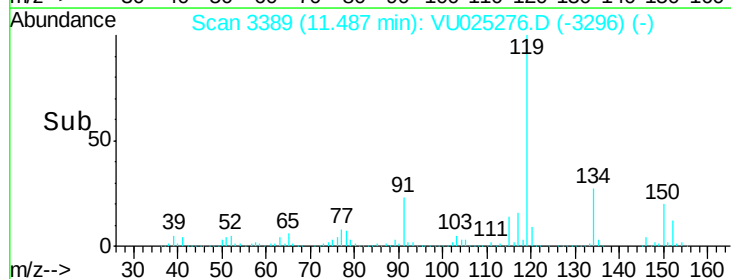
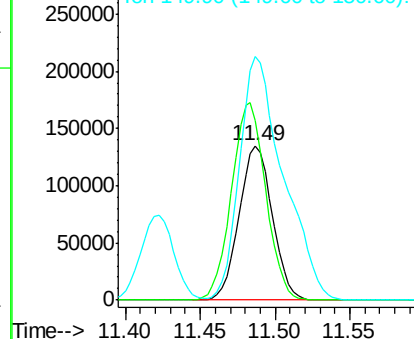
Lab File: VU025276.D

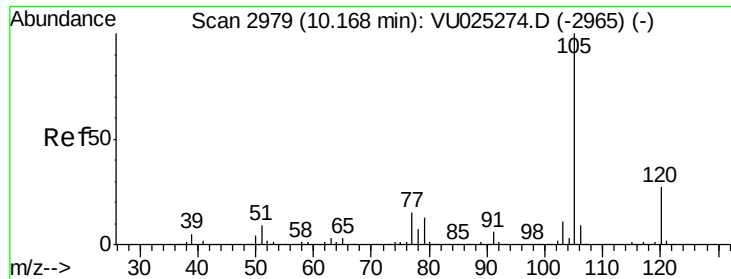
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	132.8	40.1	120.3
150	210.1	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: 136.85 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2171791

Ion Ratio Lower Upper

105 100

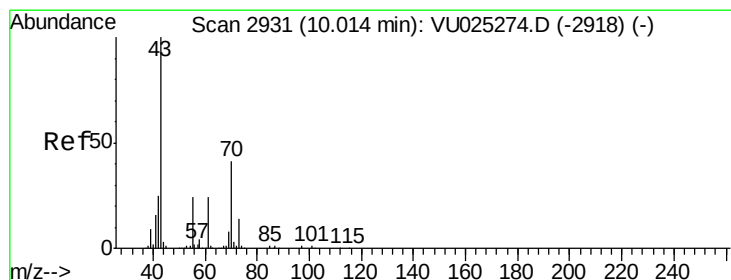
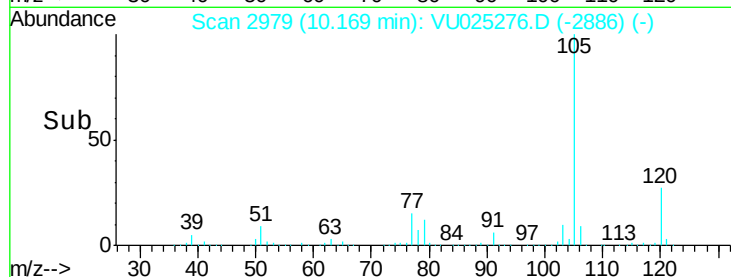
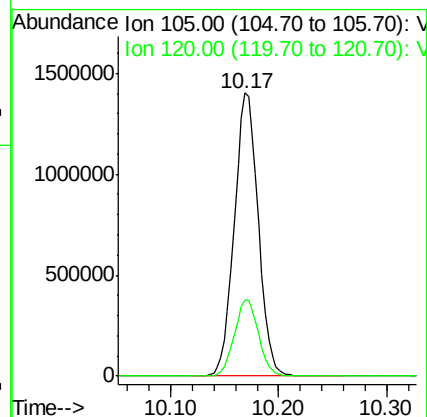
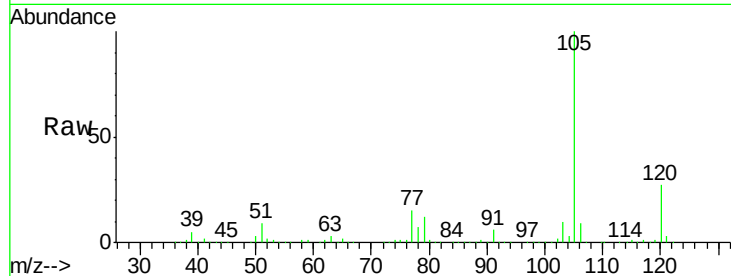
120 27.2 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 143.44 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Tgt Ion: 43 Resp: 988232

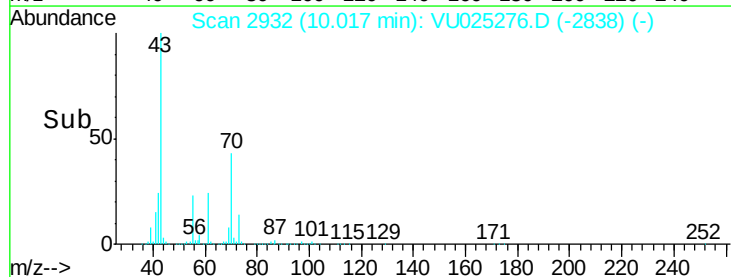
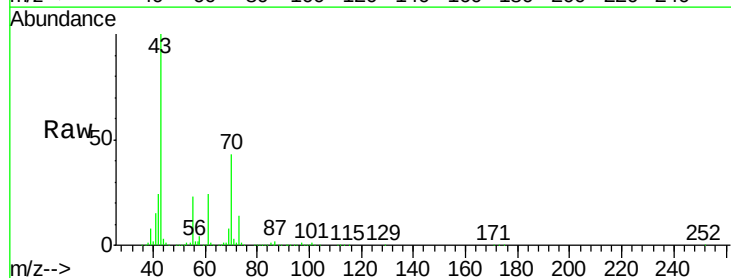
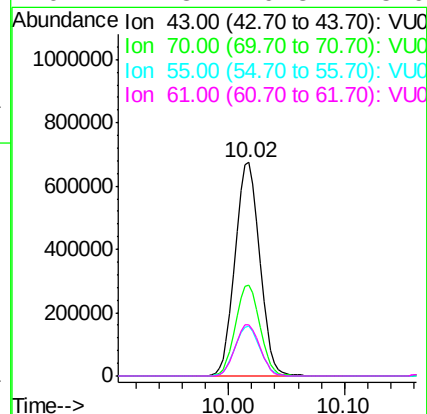
Ion Ratio Lower Upper

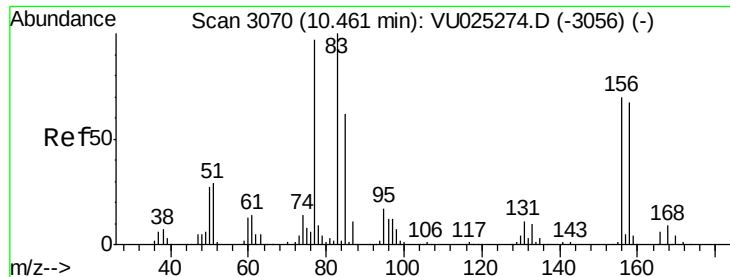
43 100

70 42.2 33.4 50.2

55 23.6 19.0 28.6

61 24.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 142.78 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 741322

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

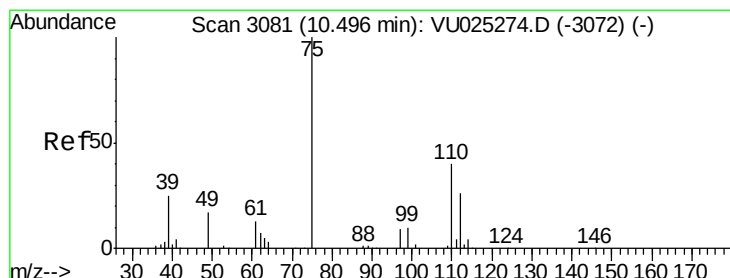
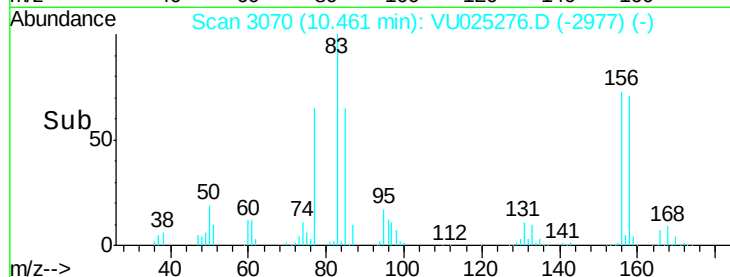
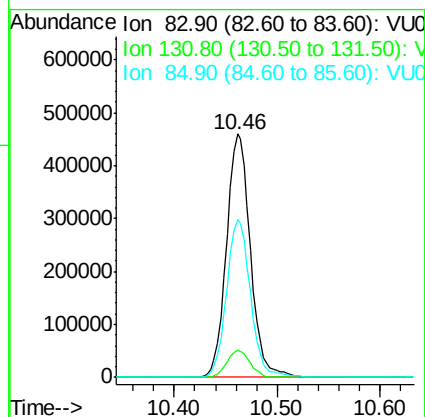
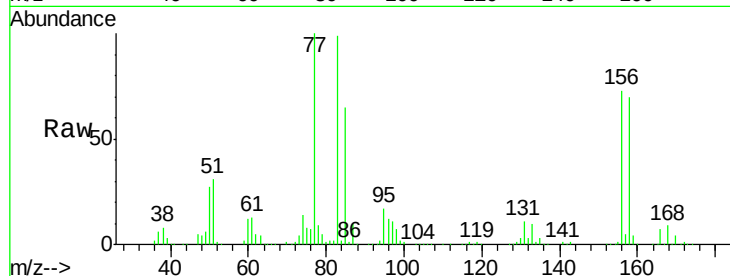
85 65.2 31.6 94.8

Manual Integrations

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#76

1,2,3-Trichloropropane

Concen: 140.93 ug/l m

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025276.D

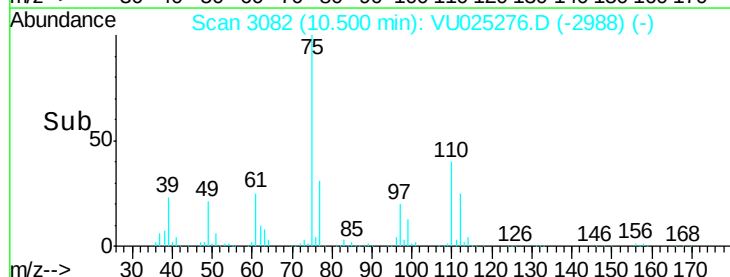
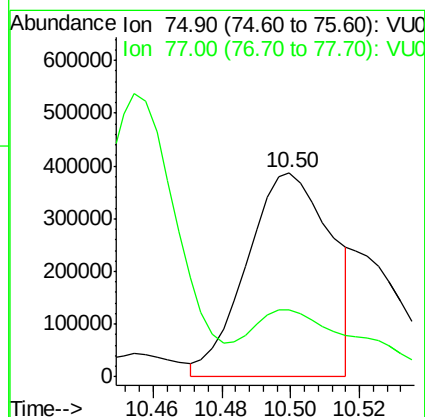
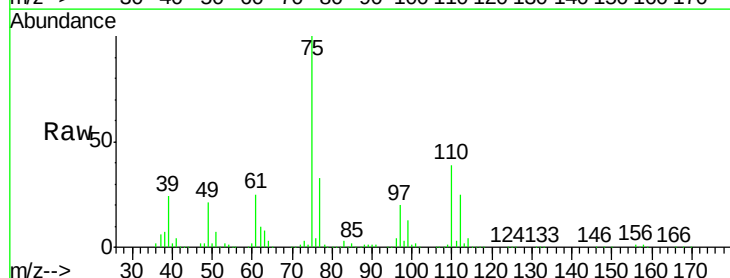
Acq: 09 Jul 2018 16:12

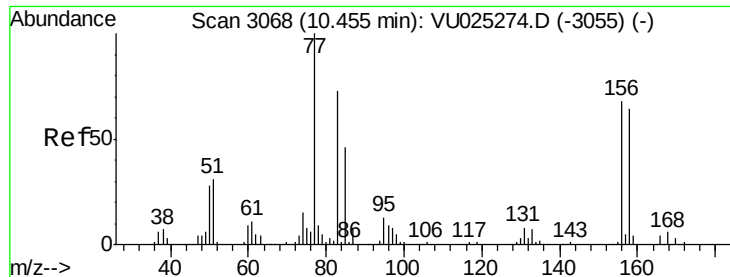
Tgt Ion: 75 Resp: 660310

Ion Ratio Lower Upper

75 100

77 42.3 20.4 61.3





#77

Bromobenzene

Concen: 144.12 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

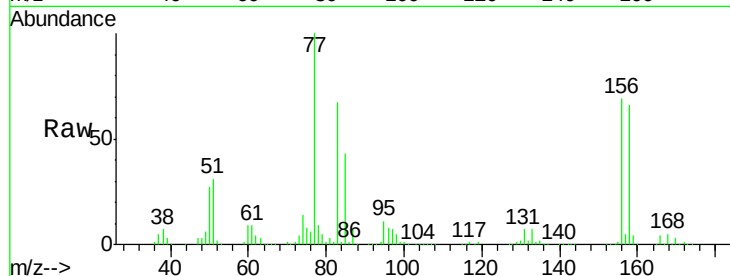
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	585131
Ion Ratio	Lower	Upper	
156	100		
77	144.1	73.8	221.4
158	96.8	48.0	144.0

Manual Integrations
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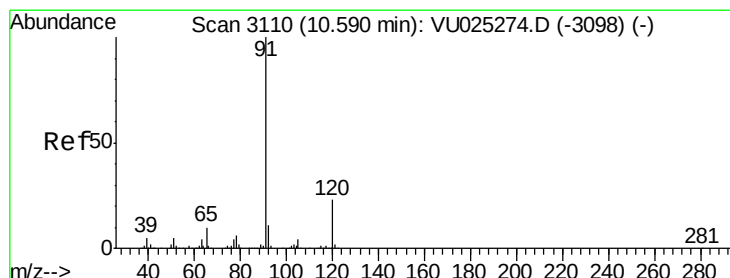
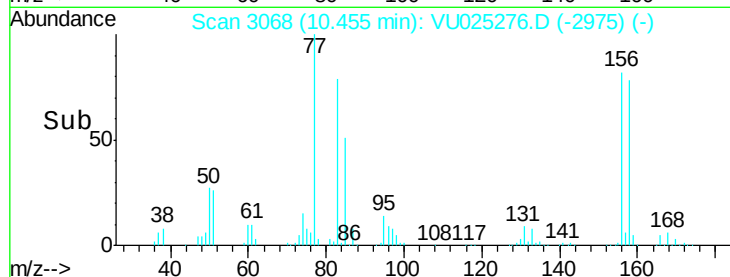
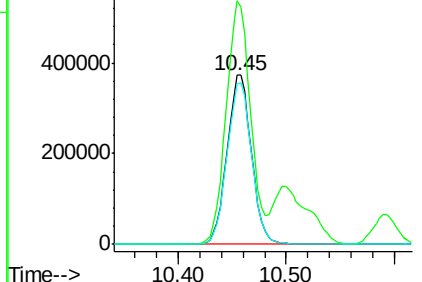
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 145.57 ug/l

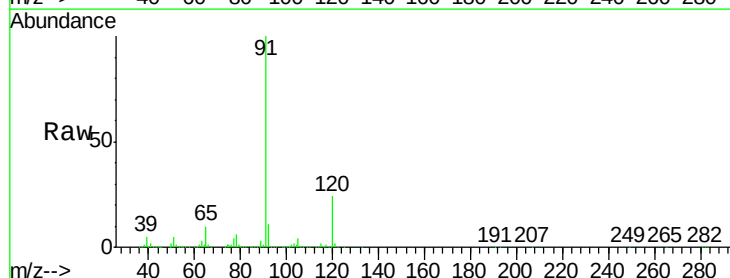
RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025276.D

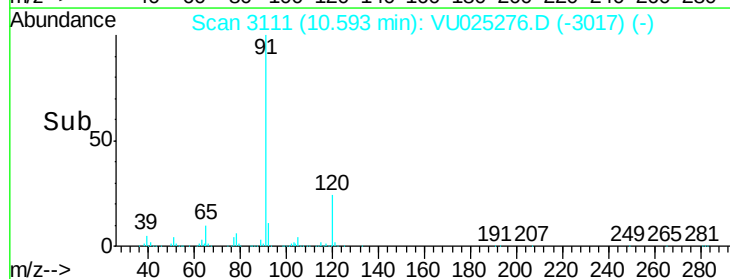
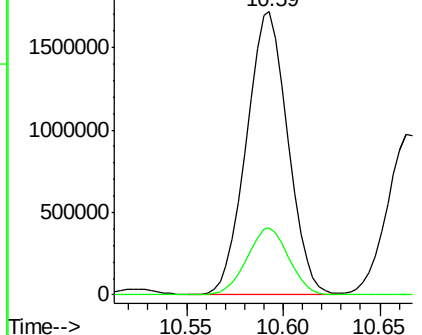
Acq: 09 Jul 2018 16:12

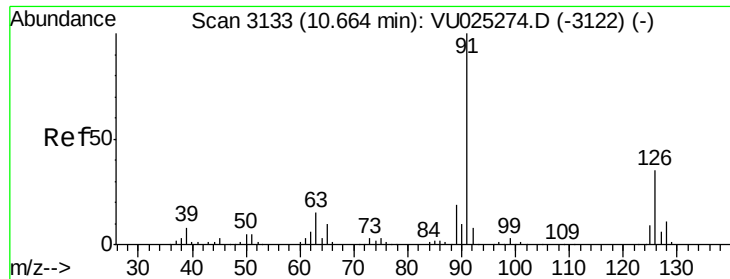
Tgt Ion:	91	Resp:	2563517
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 136.86 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025276.D

Acq: 09 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1508387

Ion Ratio Lower Upper

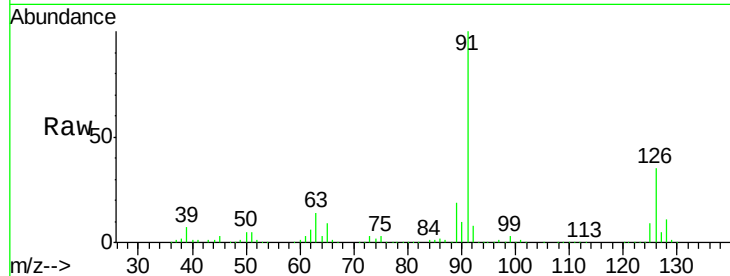
91 100

126 35.1 17.5 52.6

Manual Integrations
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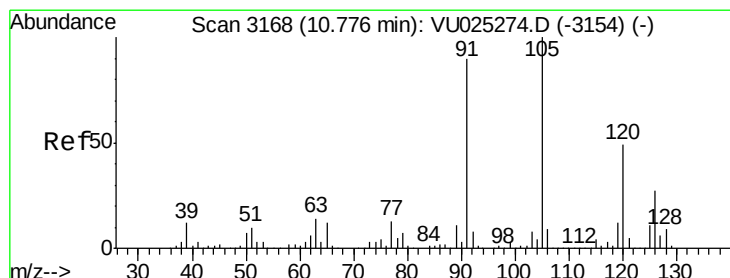
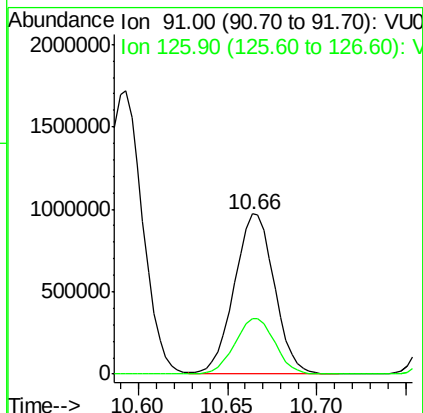
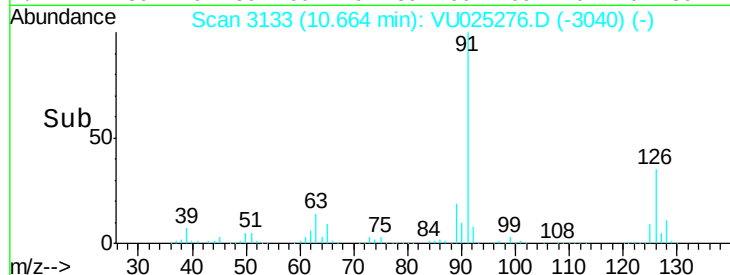
MMDadoda

7/10/2018 2:33:49 PM



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: 144.42 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025276.D

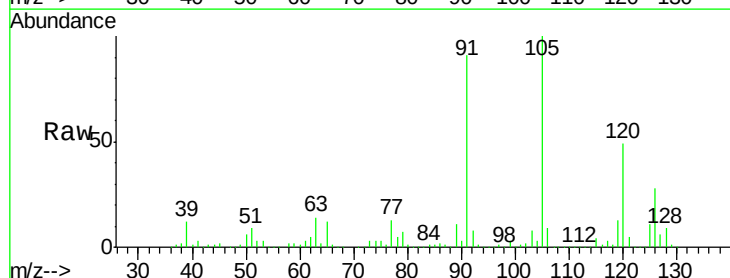
Acq: 09 Jul 2018 16:12

Tgt Ion: 105 Resp: 1928659

Ion Ratio Lower Upper

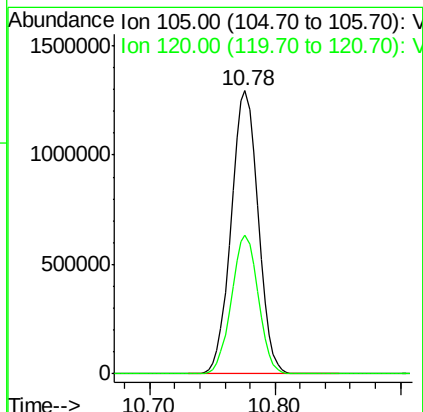
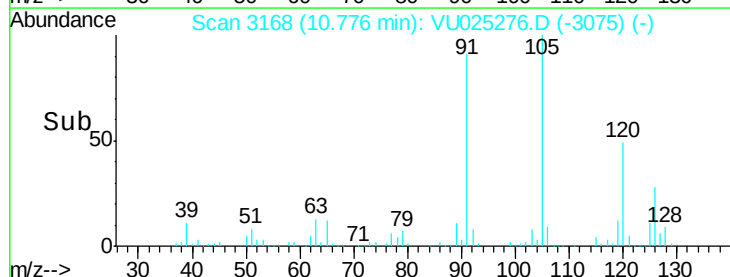
105 100

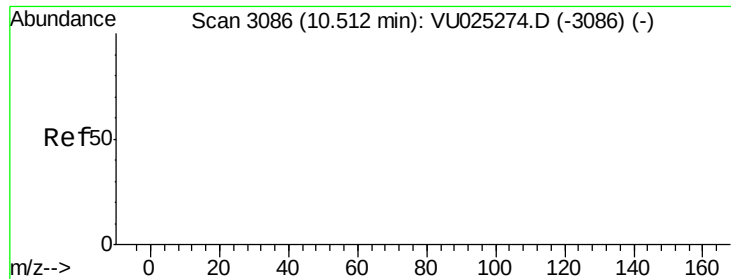
120 48.7 24.1 72.2



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

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





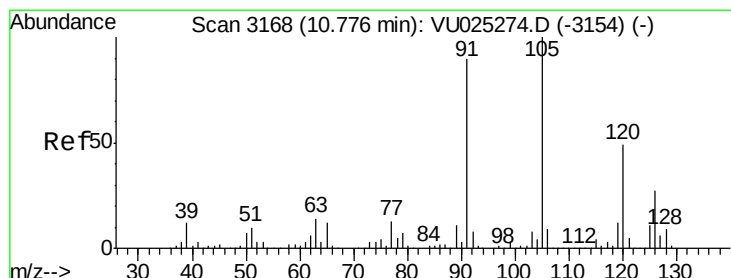
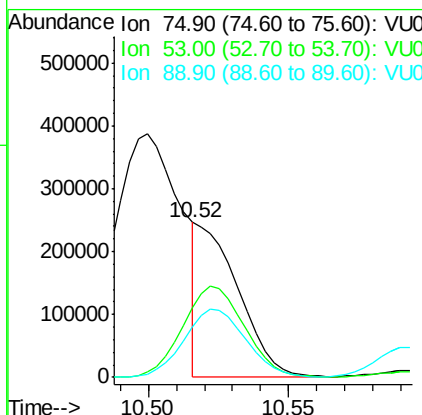
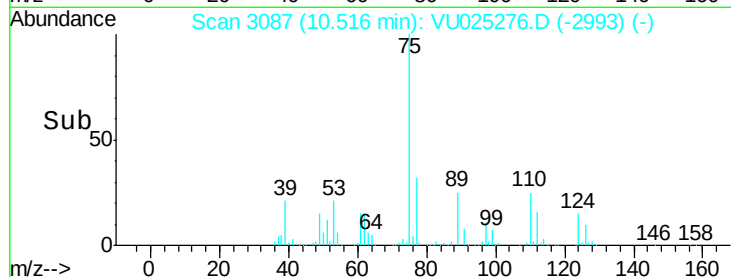
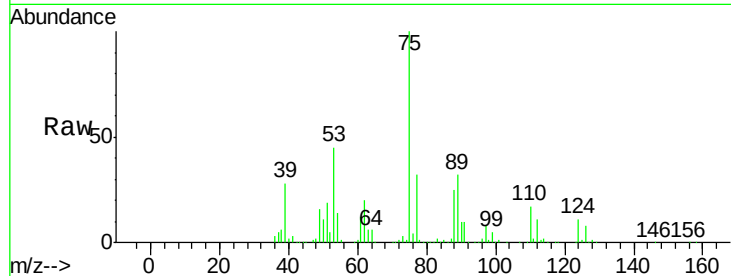
#81
trans-1,4-Dichloro-2-butene
Concen: 144.23 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

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

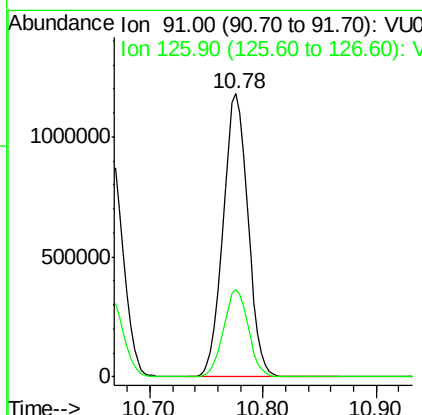
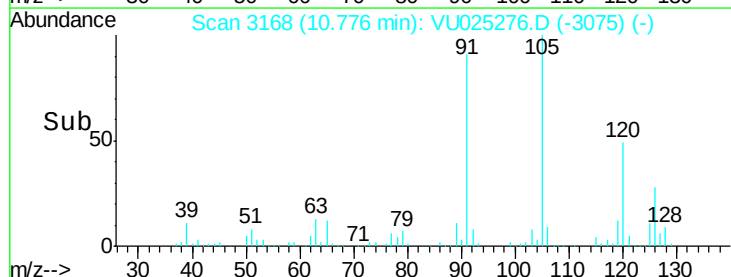
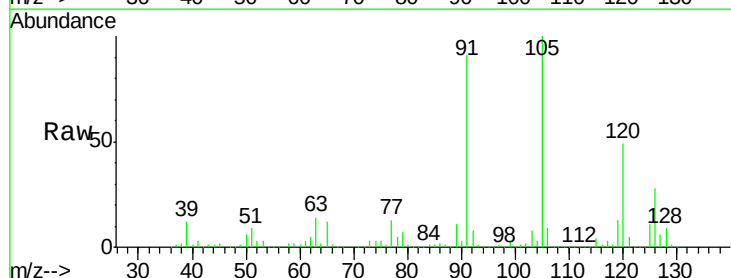
Manual Integrations
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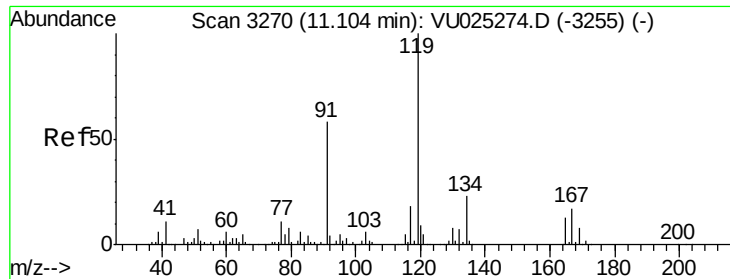
MMDadoda
7/10/2018 2:33:49 PM



#82
4-Chlorotoluene
Concen: 144.56 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.3	45.9





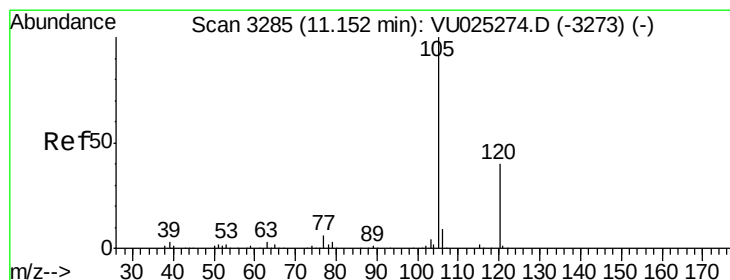
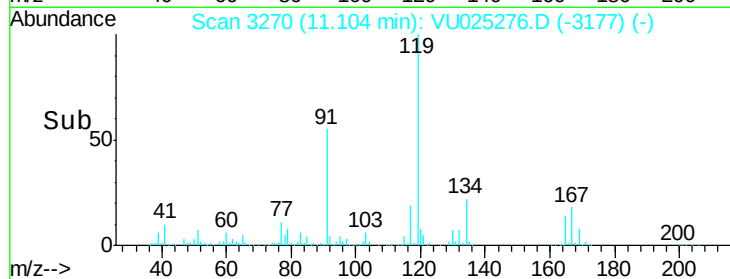
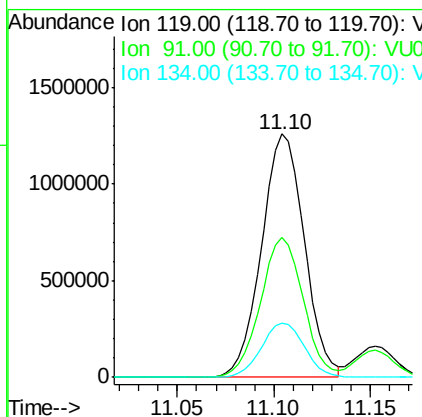
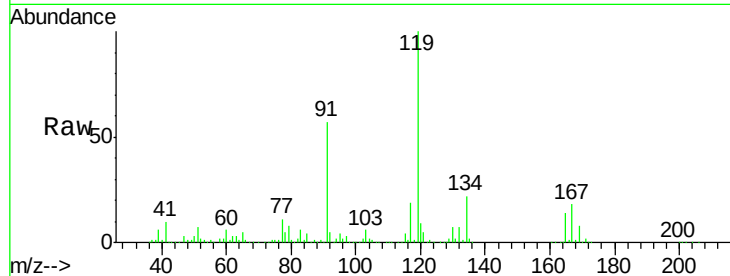
#83
 tert-Butylbenzene
 Concen: 143.49 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1936379
 Ion Ratio Lower Upper
 119 100
 91 57.2 29.7 89.1
 134 22.5 11.5 34.5

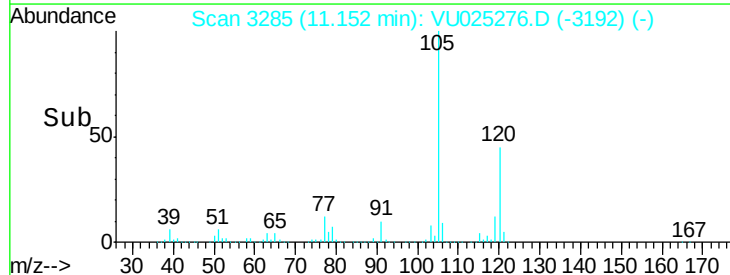
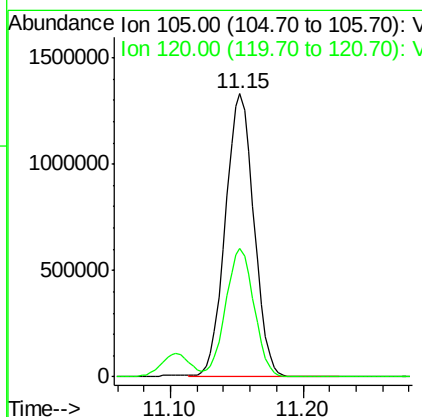
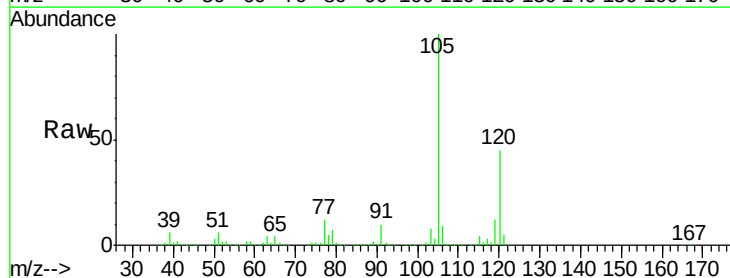
Manual Integrations
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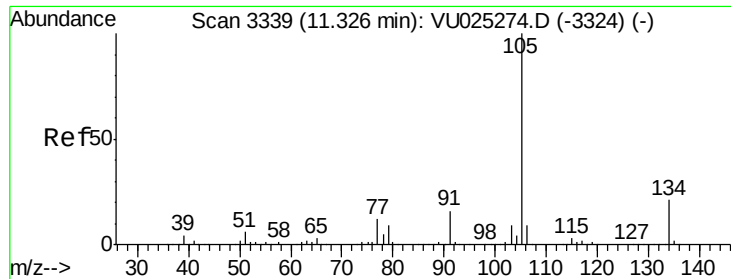
MMDadoda
 7/10/2018 2:33:49 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 145.20 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Tgt Ion:105 Resp: 1987252
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.3 66.8





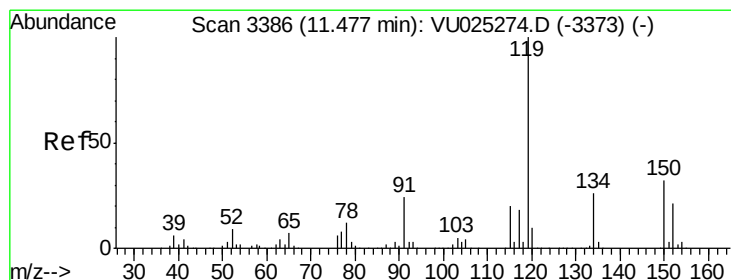
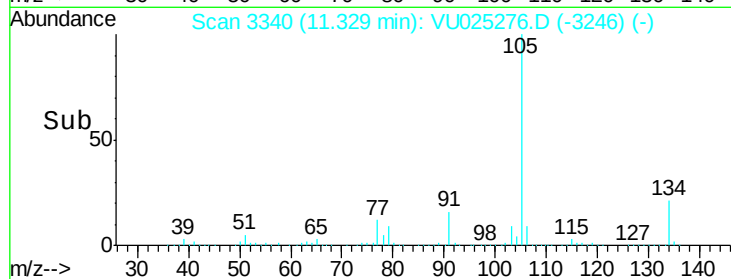
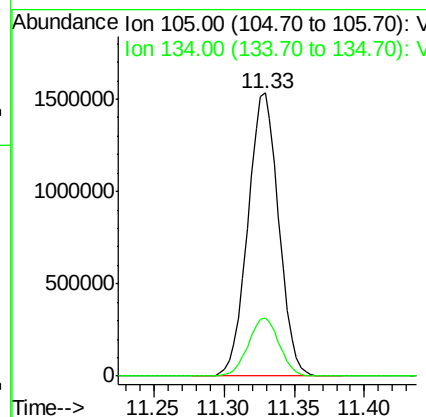
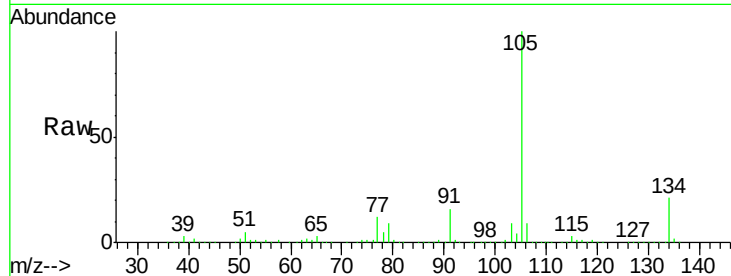
#85
 sec-Butylbenzene
 Concen: 147.61 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2345429
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8

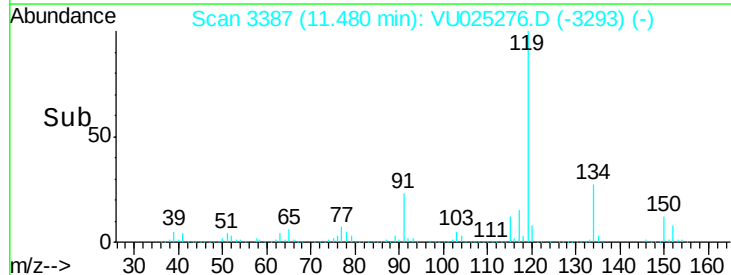
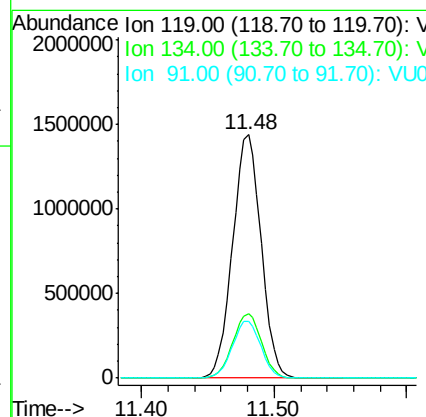
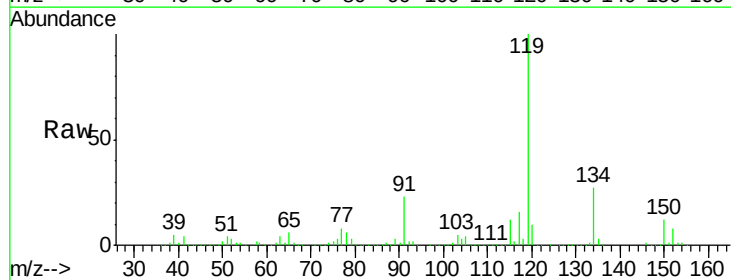
Manual Integrations
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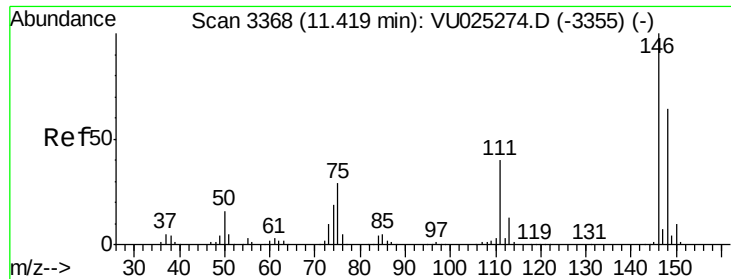
MMDadoda
 7/10/2018 2:33:49 PM



#86
 p-Isopropyltoluene
 Concen: 152.35 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Tgt Ion:119 Resp: 2143469
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.5
 91 23.4 12.0 36.1





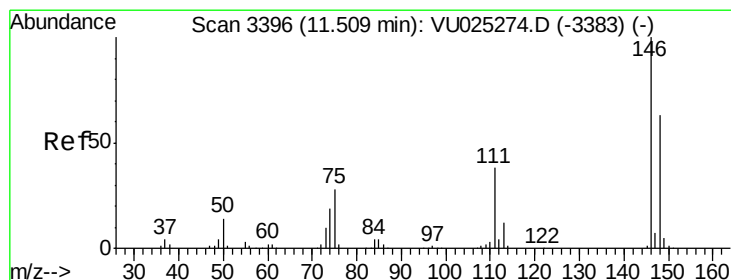
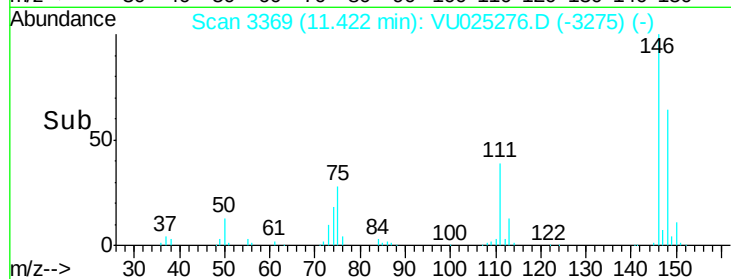
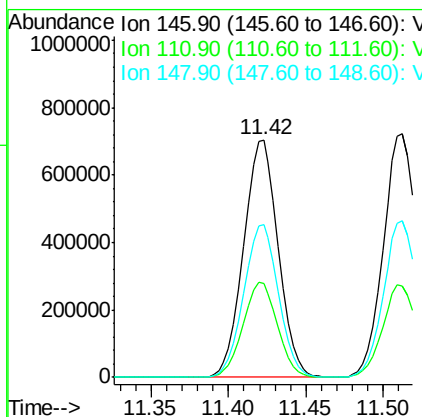
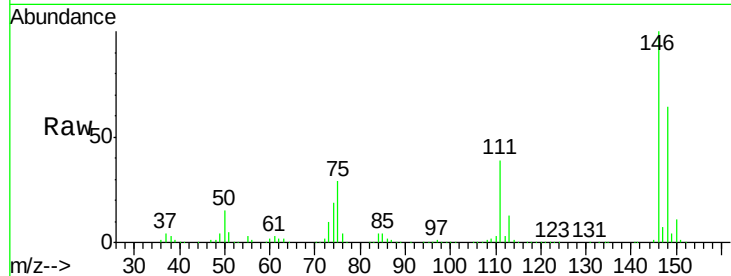
#87
 1,3-Dichlorobenzene
 Concen: 147.99 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1098136
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.7 59.1
 148 64.5 32.1 96.3

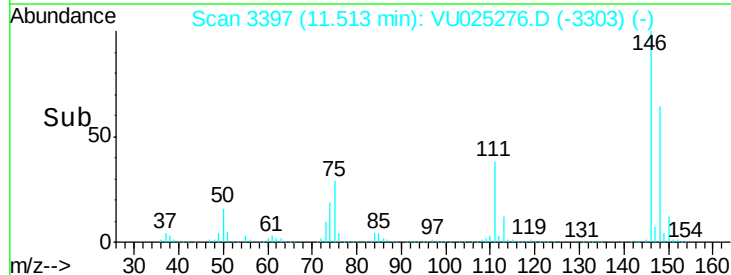
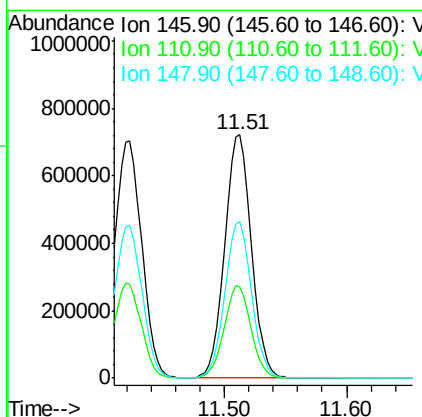
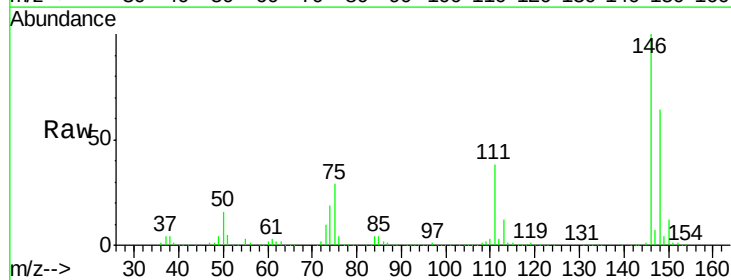
Manual Integrations
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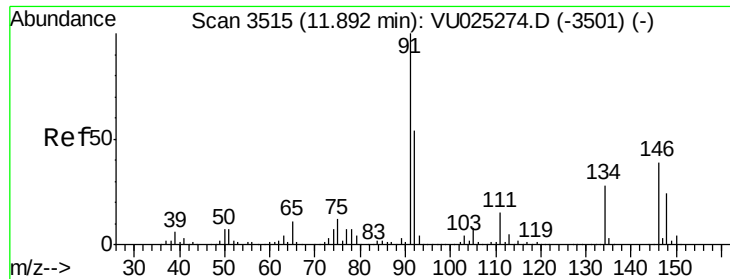
MMDadoda
 7/10/2018 2:33:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 145.59 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Tgt Ion:146 Resp: 1109586
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.4 58.1
 148 64.2 31.7 95.1





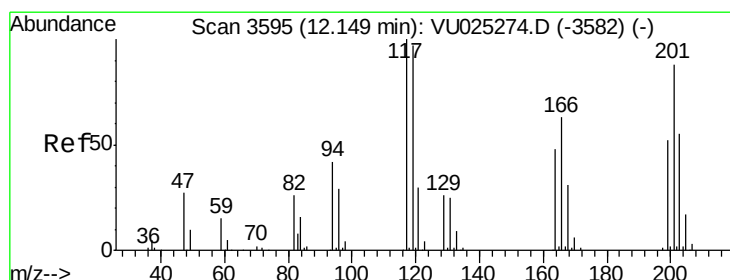
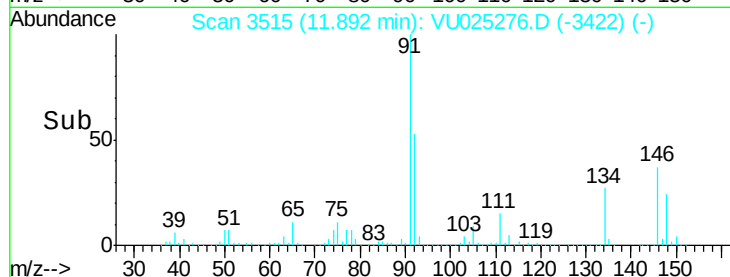
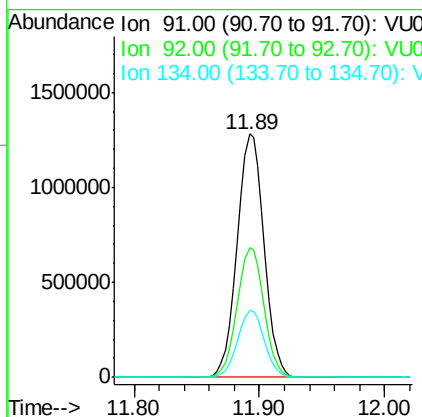
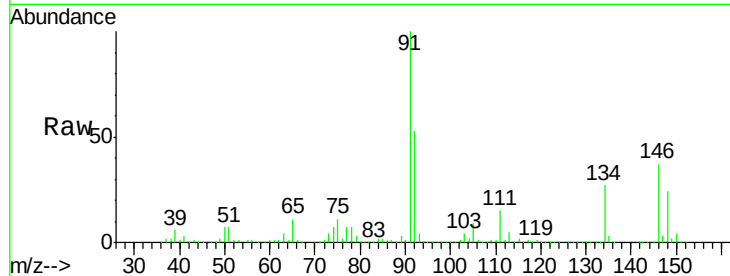
#89
n-Butylbenzene
Concen: 164.51 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1902570
Ion Ratio Lower Upper
91 100
92 53.2 26.5 79.5
134 27.3 13.6 40.7

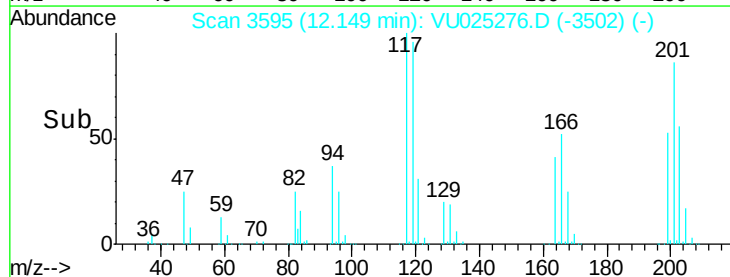
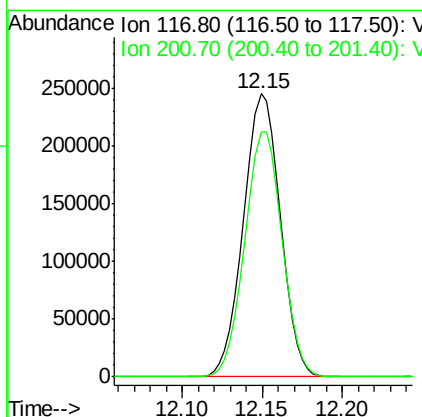
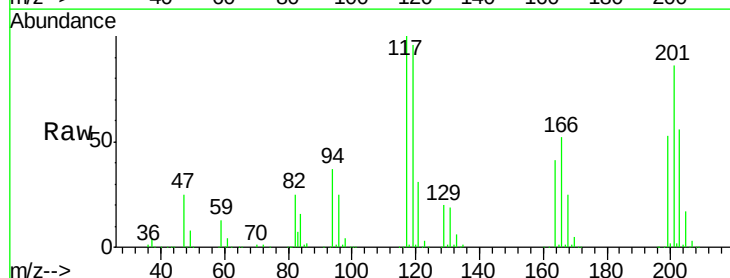
Manual Integrations
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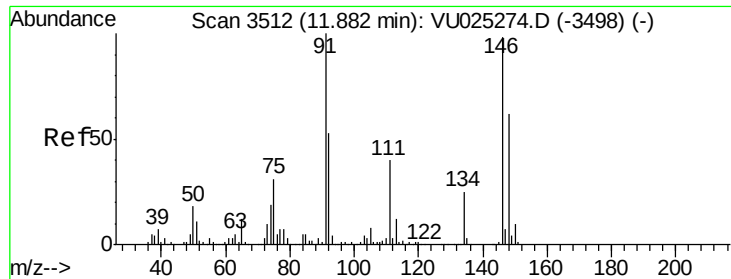
MMDadoda
7/10/2018 2:33:49 PM



#90
Hexachloroethane
Concen: 162.03 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion: 117 Resp: 385994
Ion Ratio Lower Upper
117 100
201 87.3 42.5 127.6





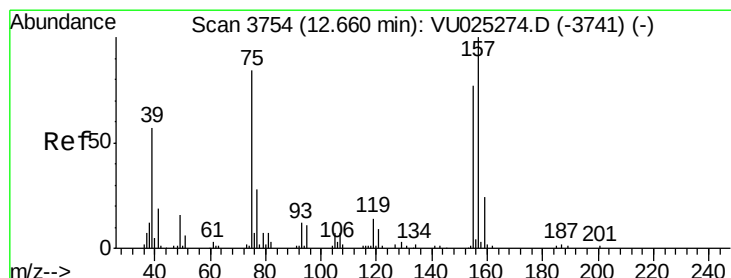
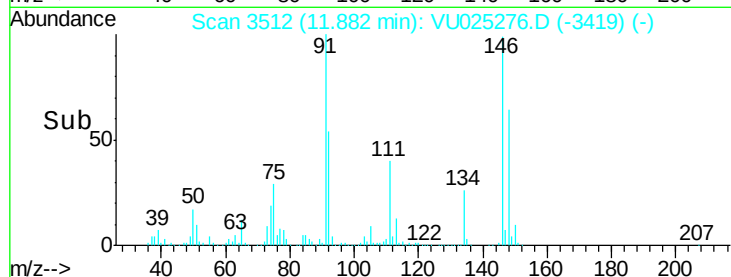
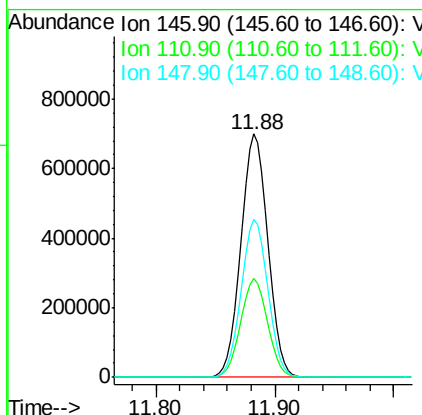
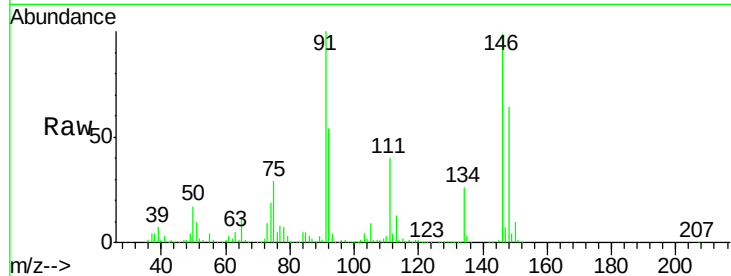
#91
 1,2-Dichlorobenzene
 Concen: 146.50 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1097873
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.6 61.8
 148 64.3 31.5 94.5

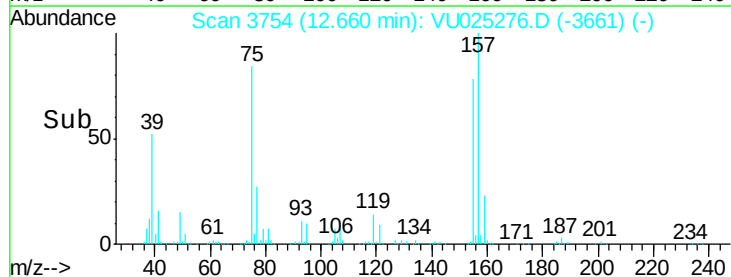
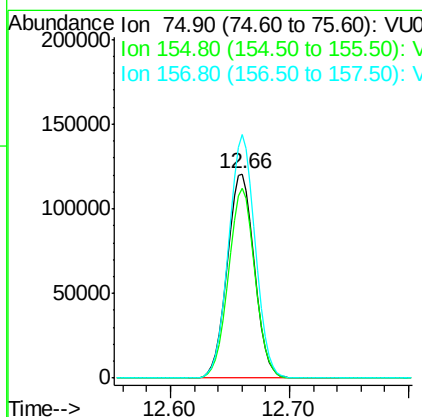
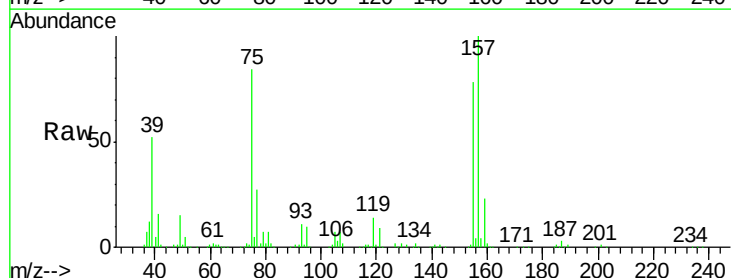
Manual Integrations
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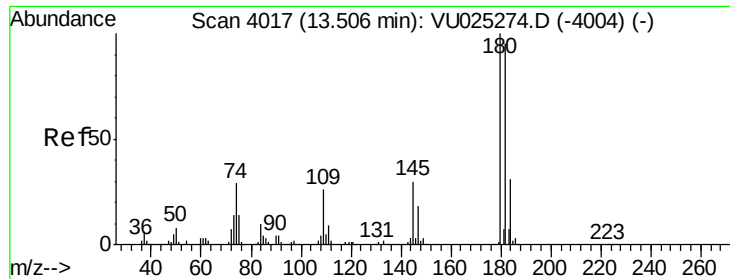
MMDadoda
 7/10/2018 2:33:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 151.34 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Tgt Ion: 75 Resp: 190586
 Ion Ratio Lower Upper
 75 100
 155 90.6 44.5 133.3
 157 116.5 57.0 170.8





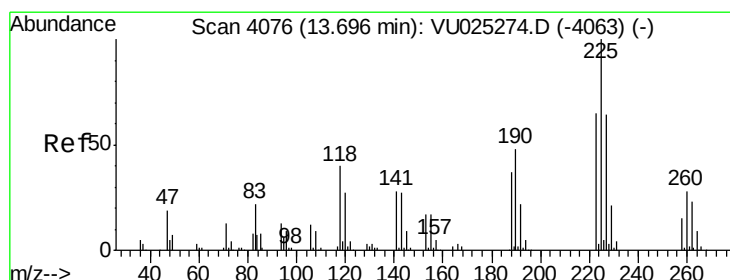
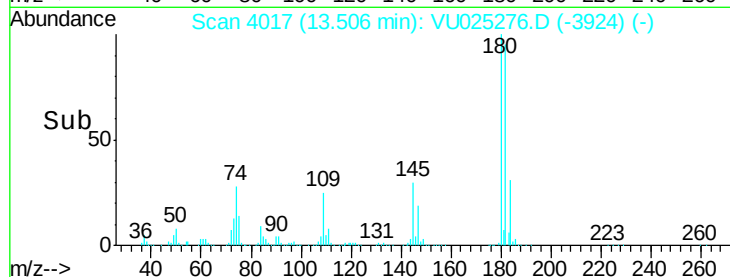
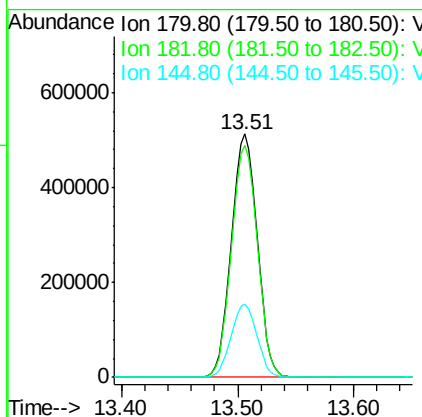
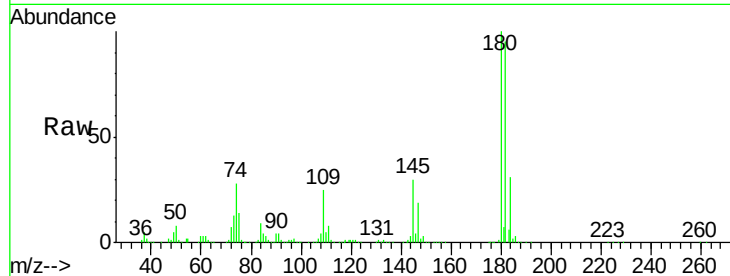
#93
 1,2,4-Trichlorobenzene
 Concen: 160.50 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.3	141.9	
145	29.9	14.9	44.7	

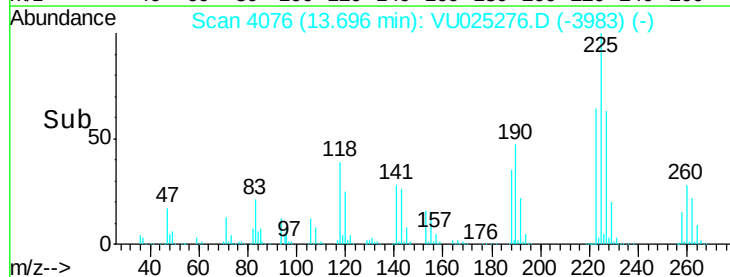
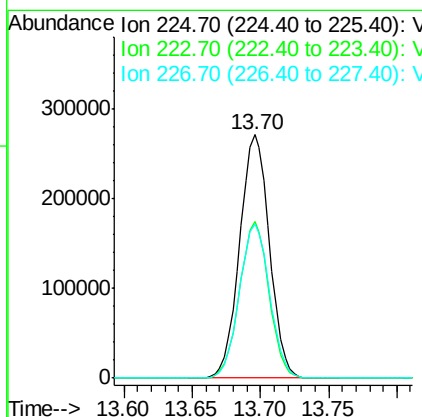
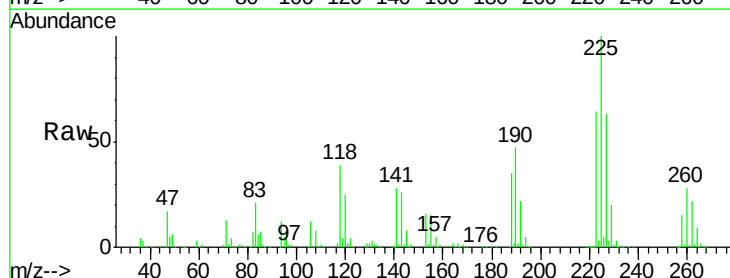
Manual Integrations
 APPROVED

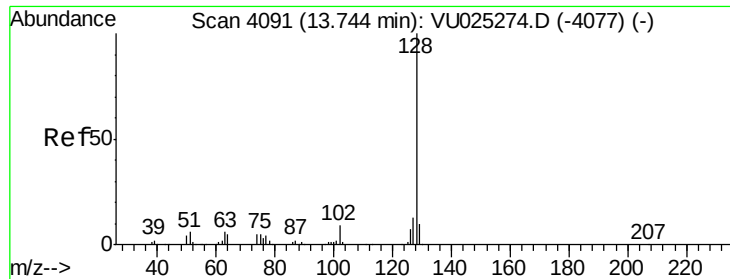
MMDadoda
 7/10/2018 2:33:49 PM



#94
 Hexachlorobutadiene
 Concen: 153.30 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025276.D
 Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	31.9	95.7	
227	64.3	32.3	96.9	





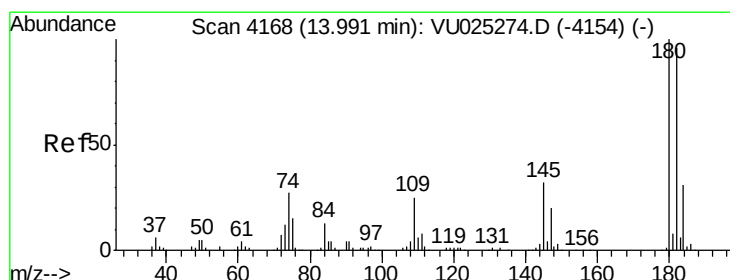
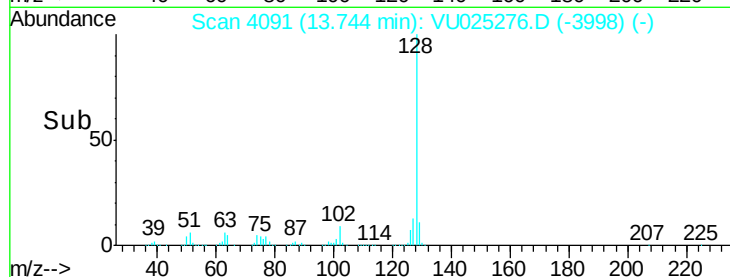
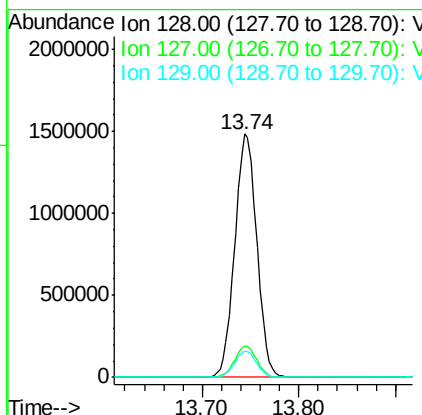
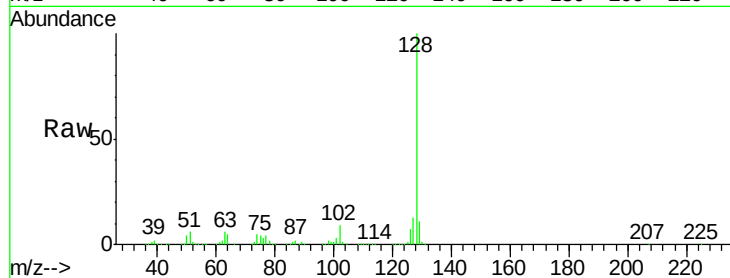
#95
Naphthalene
Concen: 138.90 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 148.47 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025276.D
Acq: 09 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.8	143.3
145	31.8	15.6	46.8

