

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070918\
 Data File : VU025275.D
 Acq On : 09 Jul 2018 15:47
 Operator : MD/SY
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:48 PM

Quant Time: Jul 10 01:45:04 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	159582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	236483	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	227541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147939	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	242425	97.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.56%	
35) Dibromofluoromethane	4.89	113	202013	101.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.52%	
50) Toluene-d8	7.57	98	683728	100.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.18%	
62) 4-Bromofluorobenzene	10.31	95	284769	103.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	171326	103.74	ug/l	98
3) Chloromethane	1.33	50	169993	90.96	ug/l	100
4) Vinyl Chloride	1.40	62	186964	103.02	ug/l	99
5) Bromomethane	1.61	94	92220	69.56	ug/l	96
6) Chloroethane	1.69	64	121942	96.41	ug/l	98
7) Trichlorofluoromethane	1.88	101	296108	103.82	ug/l	99
8) Diethyl Ether	2.10	74	112839	105.42	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	186766	105.67	ug/l	99
10) Methyl Iodide	2.41	142	218717	128.04	ug/l	99
11) Tert butyl alcohol	2.84	59	280810	462.09	ug/l	99
12) 1,1-Dichloroethene	2.28	96	170493	105.40	ug/l	94
13) Acrolein	2.19	56	196102	519.65	ug/l	100
14) Allyl chloride	2.59	41	329398	112.28	ug/l	91
15) Acrylonitrile	2.94	53	569024	511.72	ug/l	100
16) Acetone	2.32	43	683946	510.86	ug/l	99
17) Carbon Disulfide	2.48	76	499446	99.67	ug/l	99
18) Methyl Acetate	2.62	43	261074	102.85	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	658346	107.00	ug/l	100
20) Methylene Chloride	2.70	84	205092	93.24	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	190103	102.84	ug/l	99
22) Diisopropyl ether	3.57	45	633933	105.81	ug/l	94
23) Vinyl Acetate	3.53	43	2856605	543.53	ug/l	99
24) 1,1-Dichloroethane	3.45	63	363911	107.70	ug/l	99
25) 2-Butanone	4.26	43	899606	523.50	ug/l	99
26) 2,2-Dichloropropane	4.23	77	348311	107.21	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	221743	103.67	ug/l	99
28) Bromochloromethane	4.55	49	167106	102.42	ug/l	100
29) Tetrahydrofuran	4.64	42	522440	506.85	ug/l	100
30) Chloroform	4.68	83	382544	106.91	ug/l	99
31) Cyclohexane	5.00	56	330387	88.01	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	353956	109.15	ug/l	99
36) 1,1-Dichloropropene	5.14	75	281169	106.95	ug/l	98
37) Ethyl Acetate	4.38	43	314196	107.16	ug/l	99
38) Carbon Tetrachloride	5.14	117	318571	112.58	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	355022	108.26	ug/l	97
40) Benzene	5.39	78	801973	105.85	ug/l	98
41) Methacrylonitrile	4.54	41	172841	106.32	ug/l	99
42) 1,2-Dichloroethane	5.41	62	319271	106.01	ug/l	100
43) Isopropyl Acetate	5.55	43	500072	106.50	ug/l	100
44) Trichloroethene	6.19	130	229438	105.47	ug/l	97
45) 1,2-Dichloropropane	6.44	63	213727	107.70	ug/l	100
46) Dibromomethane	6.56	93	153399	106.22	ug/l	99
47) Bromodichloromethane	6.76	83	296894	110.67	ug/l	98
48) Methyl methacrylate	6.63	41	252446	107.85	ug/l	99
49) 1,4-Dioxane	6.62	88	127258	2259.44	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1605669	526.15	ug/l	99
52) Toluene	7.64	92	521465	108.18	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	334799	113.59	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	356066	113.50	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	211037	105.12	ug/l	100
56) Ethyl methacrylate	8.02	69	341524	108.92	ug/l	98
57) 1,3-Dichloropropane	8.25	76	359247	107.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	605845	547.56	ug/l	98
59) 2-Hexanone	8.36	43	1343168	542.62	ug/l	98
60) Dibromochloromethane	8.48	129	252862	116.63	ug/l	100
61) 1,2-Dibromoethane	8.59	107	233976	108.93	ug/l	99
64) Tetrachloroethene	8.23	164	215871	104.08	ug/l	98
65) Chlorobenzene	9.12	112	599166	105.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	223470	109.90	ug/l	98
67) Ethyl Benzene	9.25	91	1041496	107.47	ug/l	100
68) m/p-Xylenes	9.38	106	826702	220.66	ug/l	99
69) o-Xylene	9.78	106	401923	107.15	ug/l	98
70) Styrene	9.80	104	667154	111.98	ug/l	99
71) Bromoform	9.96	173	203423	115.68	ug/l #	99
73) Isopropylbenzene	10.17	105	1088062	96.26	ug/l	100
74) N-amyl acetate	10.01	43	487272	99.30	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	364181	98.48	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	306875m	91.96	ug/l	
77) Bromobenzene	10.45	156	285623	98.77	ug/l	99
78) n-propylbenzene	10.59	91	1274321	101.60	ug/l	100
79) 2-Chlorotoluene	10.66	91	748944	95.41	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	951588	100.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	132256m	108.80	ug/l	
82) 4-Chlorotoluene	10.78	91	877043	98.75	ug/l	100
83) tert-Butylbenzene	11.10	119	941944	98.00	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	976008	100.13	ug/l	98
85) sec-Butylbenzene	11.33	105	1152050	101.80	ug/l	100
86) p-Isopropyltoluene	11.48	119	1040176	103.81	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	534865	101.21	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	540437	99.56	ug/l	99
89) n-Butylbenzene	11.89	91	914978	111.08	ug/l	100
90) Hexachloroethane	12.15	117	178443	105.17	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	550303	103.10	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	98742	110.09	ug/l	100

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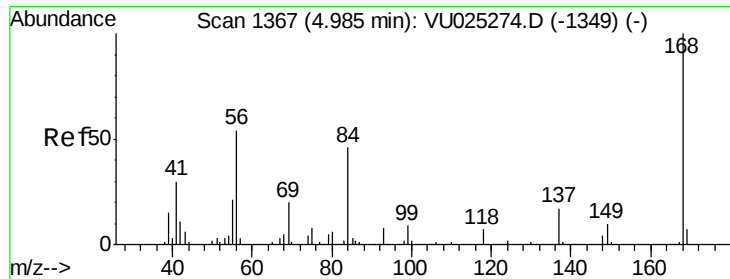
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	388197	111.01	ug/l	99
94) Hexachlorobutadiene	13.70	225	208555	109.25	ug/l	99
95) Naphthalene	13.74	128	1182497	98.29	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	395349	104.84	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 159582

Ion Ratio Lower Upper

168 100

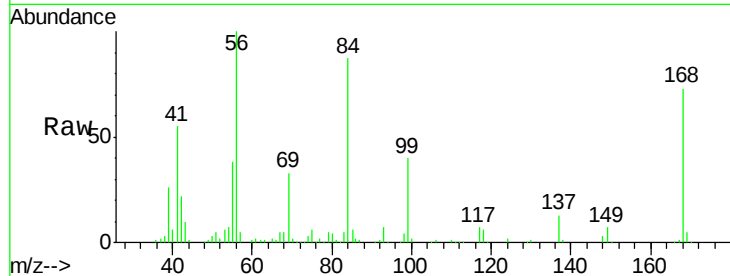
99 54.3 42.8 64.2

Manual Integrations

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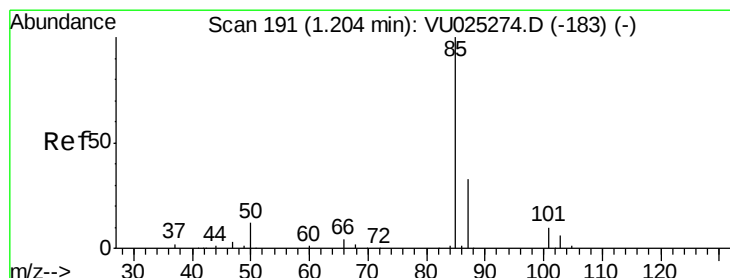
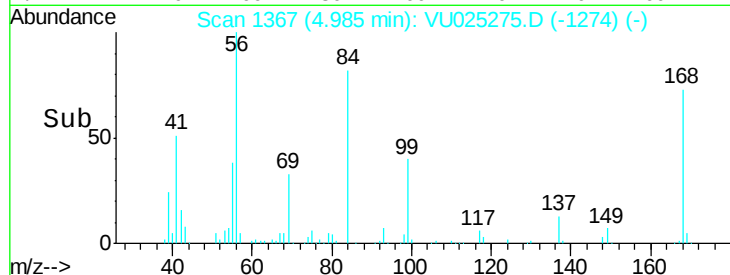
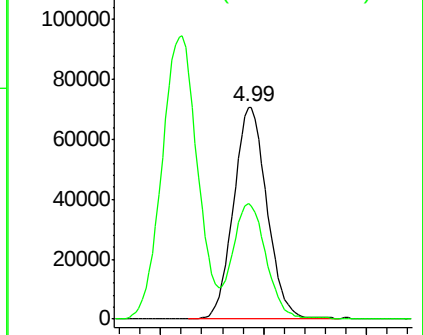
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Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)



#2

Dichlorodifluoromethane

Concen: 103.74 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025275.D

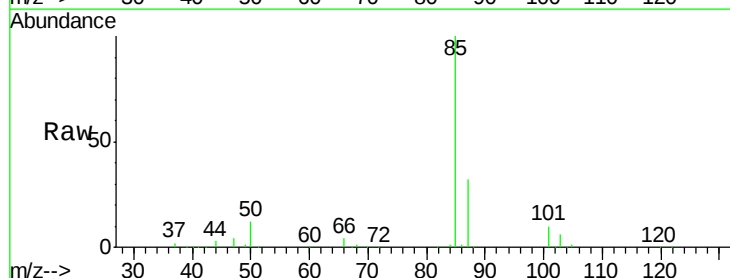
Acq: 09 Jul 2018 15:47

Tgt Ion: 85 Resp: 171326

Ion Ratio Lower Upper

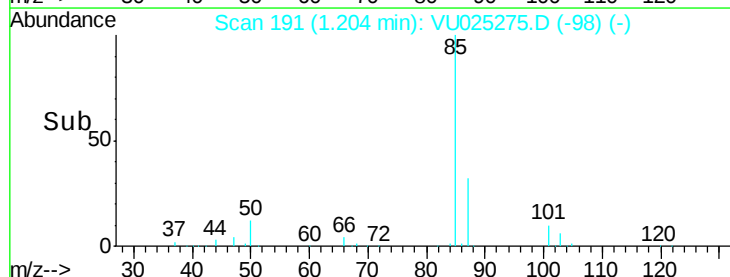
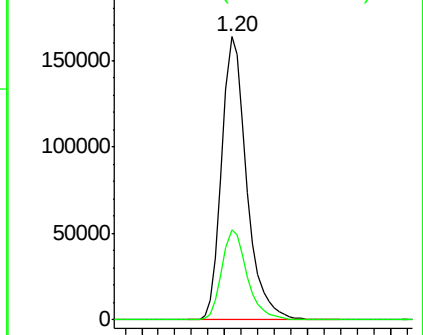
85 100

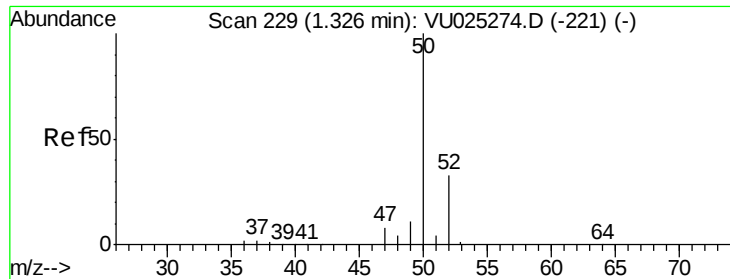
87 31.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)





#3

Chloromethane

Concen: 90.96 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 169993

Ion Ratio Lower Upper

50 100

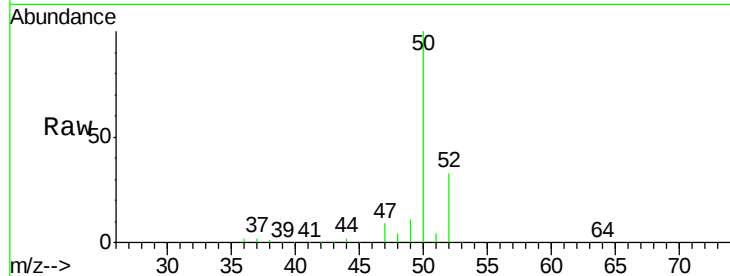
52 32.8 26.5 39.7

Manual Integrations

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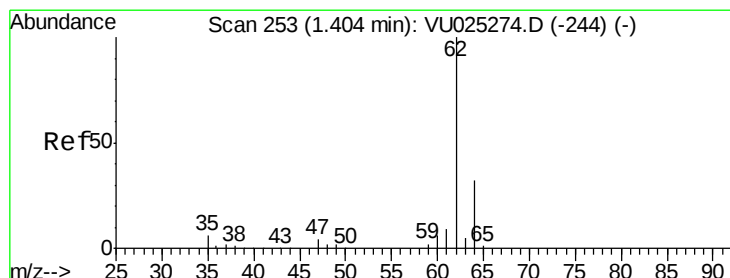
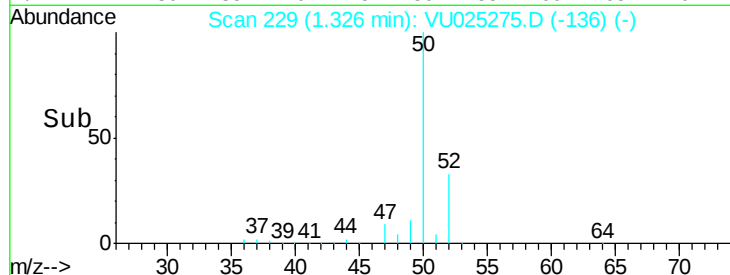
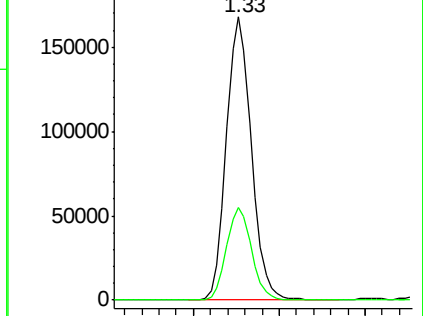
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 103.02 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025275.D

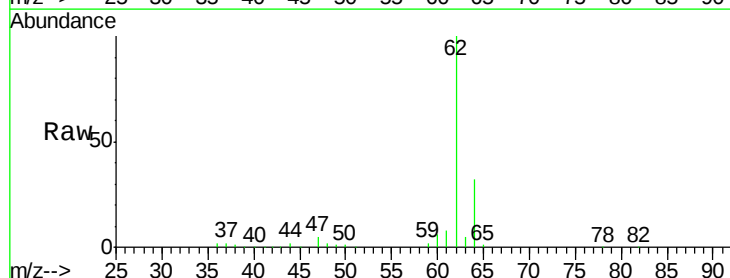
Acq: 09 Jul 2018 15:47

Tgt Ion: 62 Resp: 186964

Ion Ratio Lower Upper

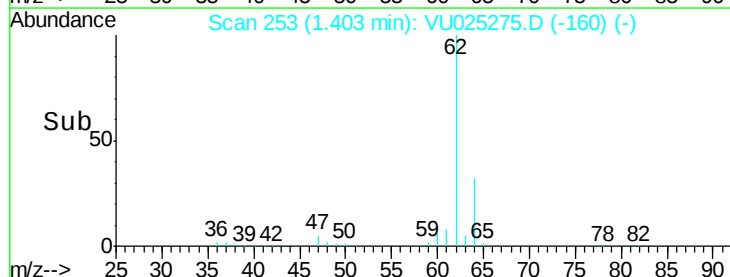
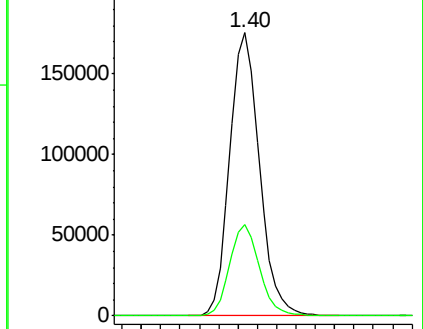
62 100

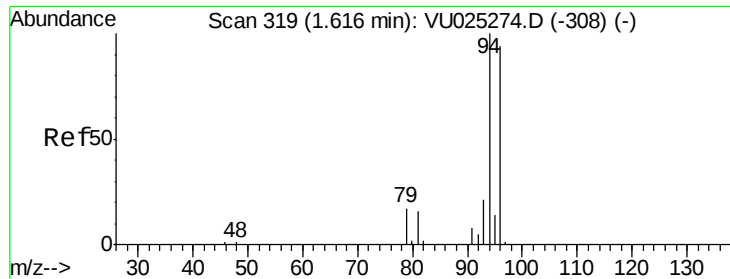
64 32.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 69.56 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 92220

Ion Ratio Lower Upper

94 100

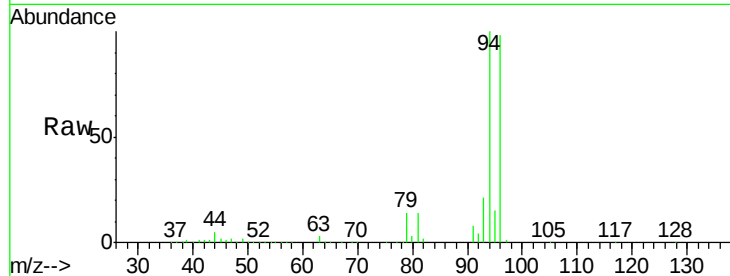
96 97.9 75.0 112.4

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

100000

80000

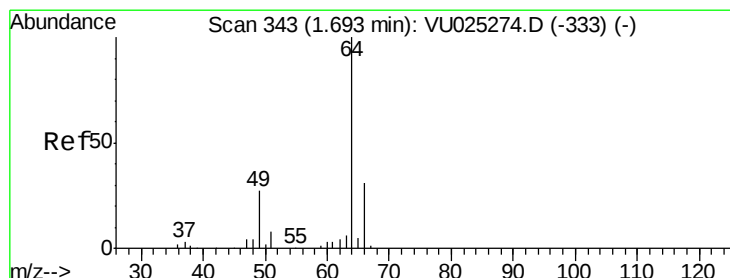
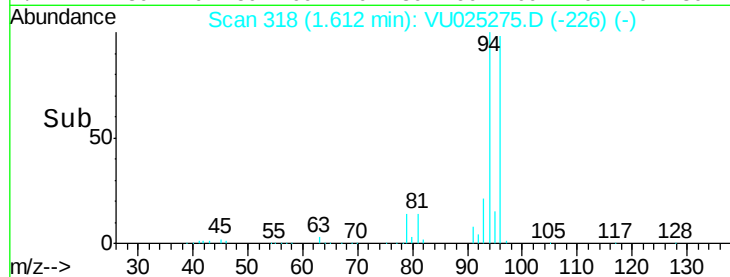
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 96.41 ug/l

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU025275.D

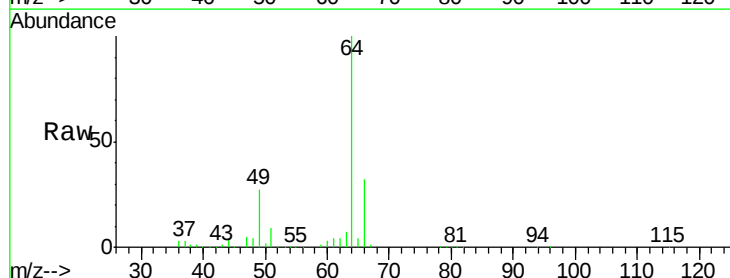
Acq: 09 Jul 2018 15:47

Tgt Ion: 64 Resp: 121942

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

100000

80000

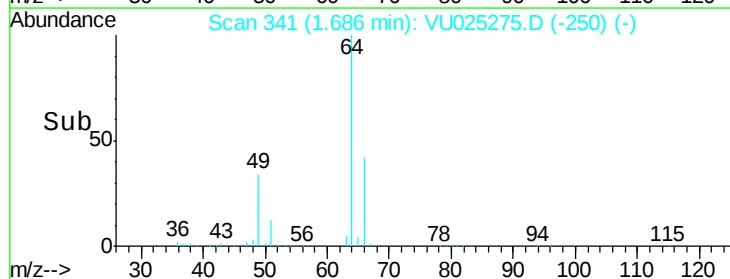
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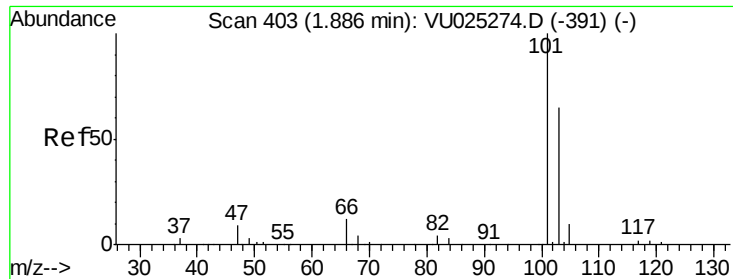
40000

20000

0

Time--> 1.60 1.65 1.70 1.75 1.80





#7

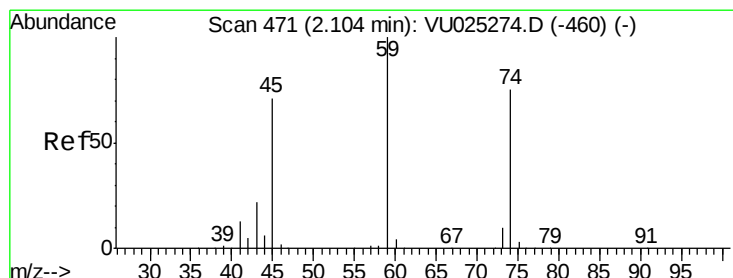
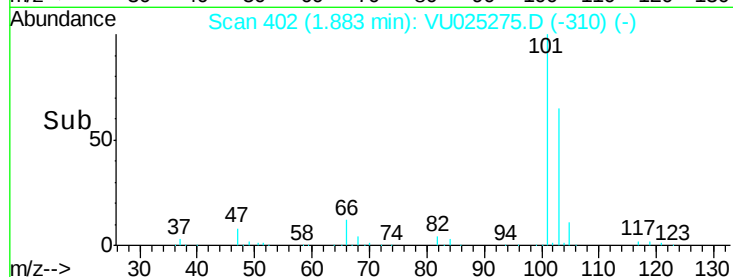
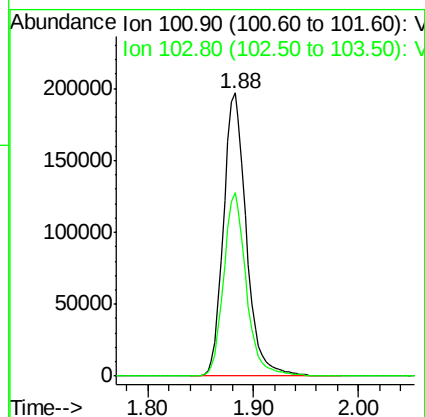
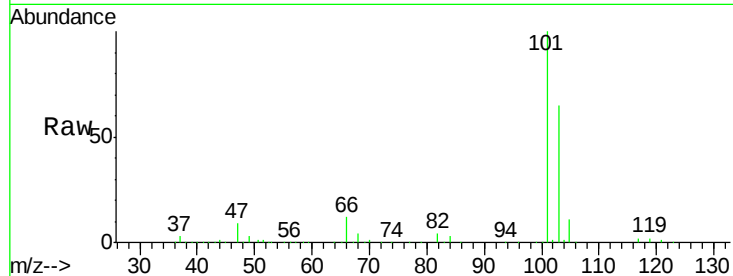
Trichlorofluoromethane
 Concen: 103.82 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Instrument :
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 VSTDIC100

Tot Ion	101	Resp	296108
Ion Ratio	Lower	Upper	
101	100		
103	64.6	52.2	78.2

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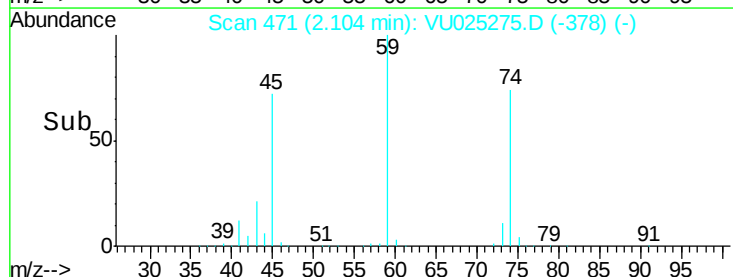
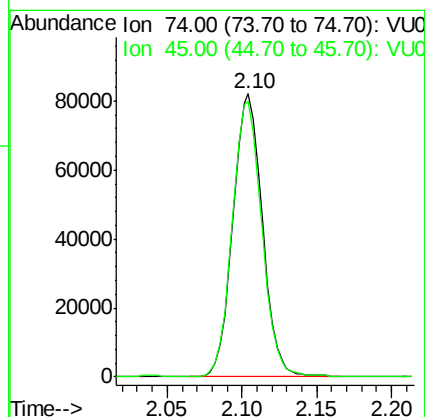
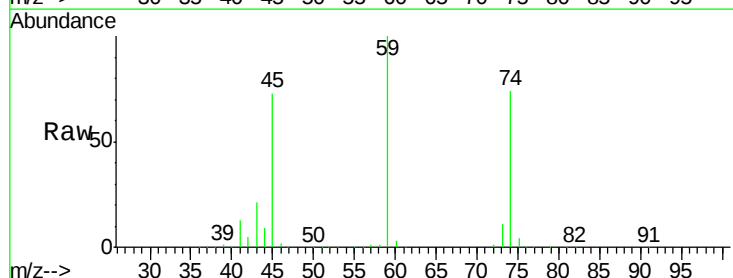
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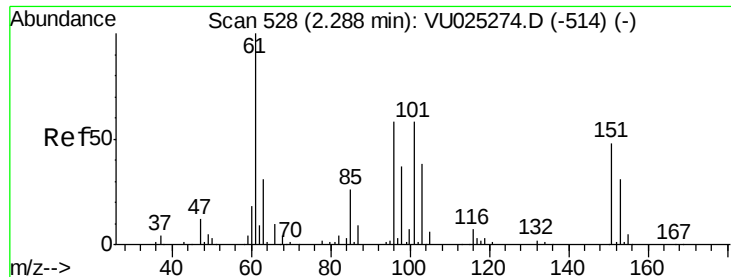


#8

Diethyl Ether
 Concen: 105.42 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Tgt Ion	74	Resp	112839
Ion Ratio	Lower	Upper	
74	100		
45	97.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.67 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

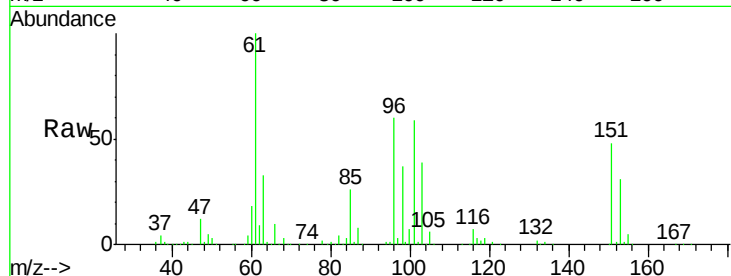
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	186766
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	81.7	65.6	98.4

Manual Integrations
APPROVED

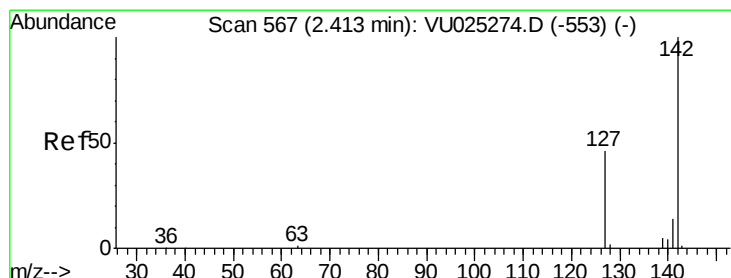
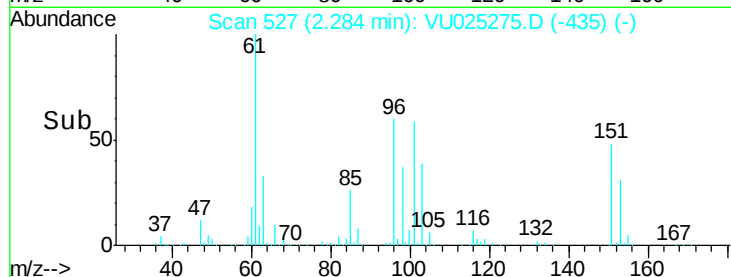
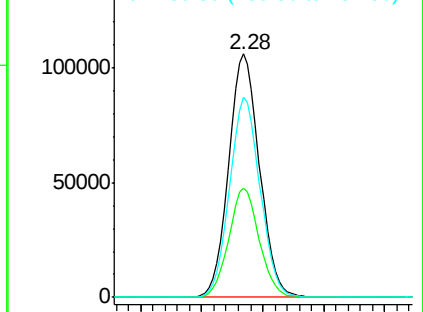
MMDadoda
7/10/2018 2:33:48 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 128.04 ug/l

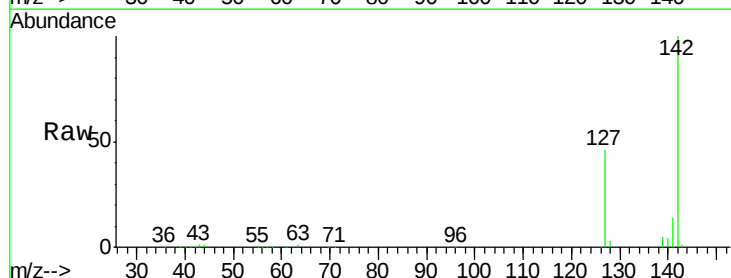
RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

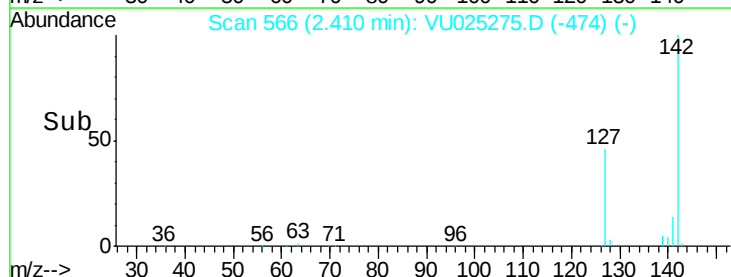
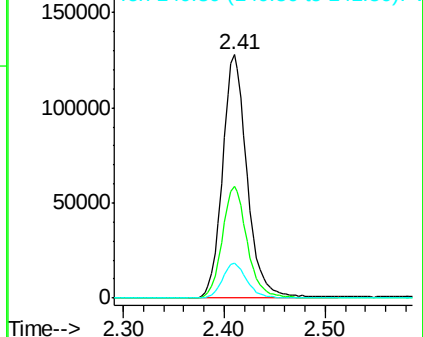
Tgt Ion:	142	Resp:	218717
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.5	54.7
141	14.2	11.4	17.2

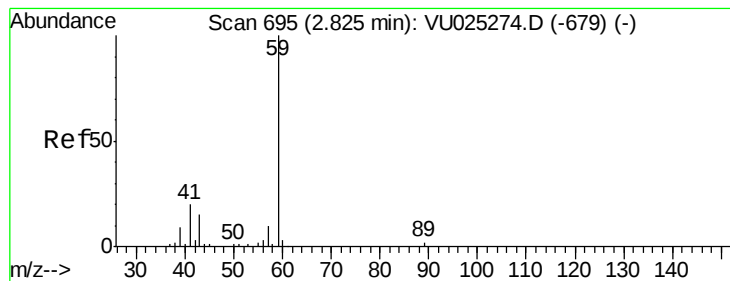


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

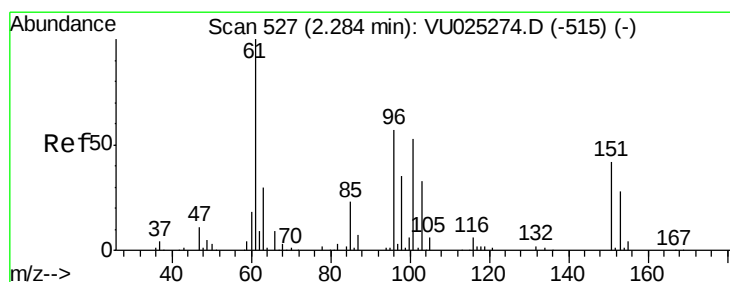
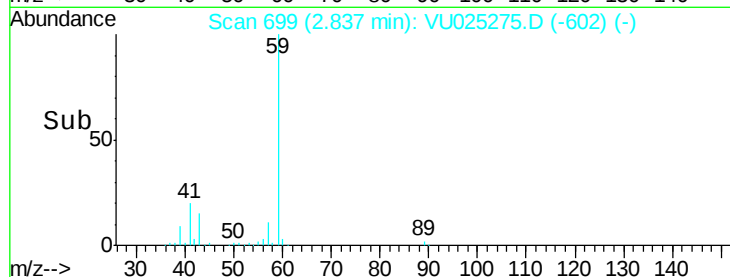
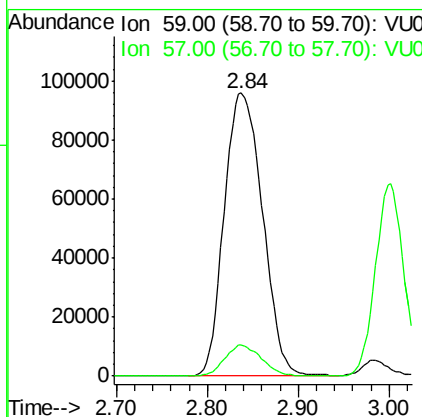
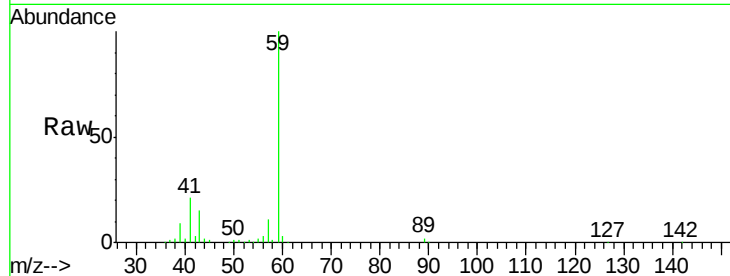
Tert butyl alcohol
Concen: 462.09 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampled :
VSTDIC100

Tot Ion	59	Resp	280810
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.2

Manual Integrations
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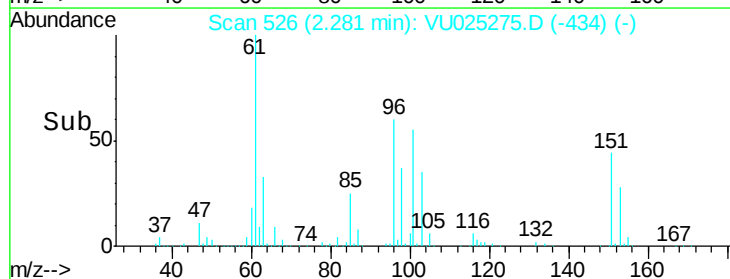
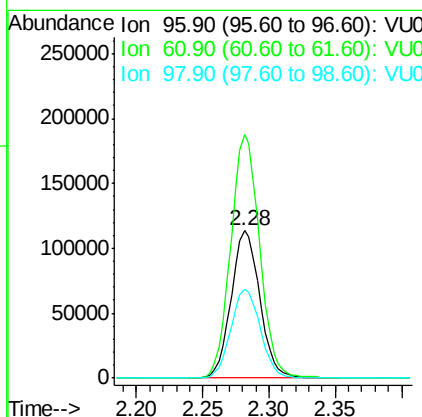
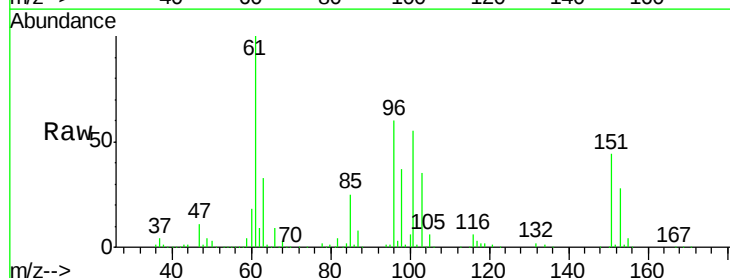
MMDadoda
7/10/2018 2:33:48 PM

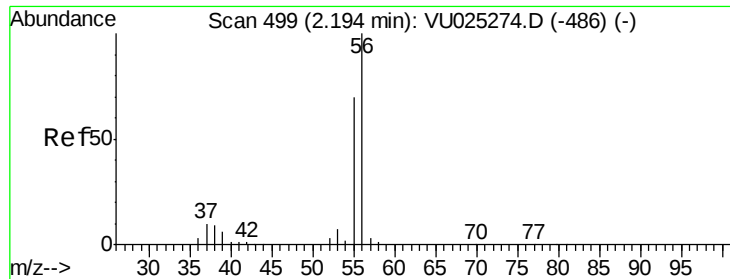


#12

1,1-Dichloroethene
Concen: 105.40 ug/l
RT: 2.28 min Scan# 526
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion	96	Resp	170493
Ion Ratio	100	Lower	Upper
61	165.5	140.2	210.4
98	60.7	49.3	73.9





#13

Acrolein

Concen: 519.65 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Tot Ion: 56 Resp: 196102

Ion Ratio Lower Upper

56 100

55 71.6 57.2 85.8

Instrument :

MSVOA_U

ClientSampleId :

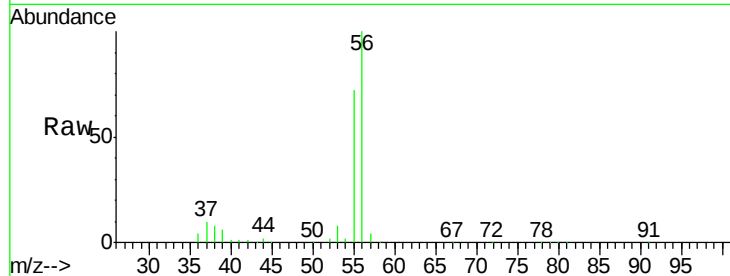
VSTDIC100

Manual Integrations

APPROVED

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7/10/2018 2:33:48 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

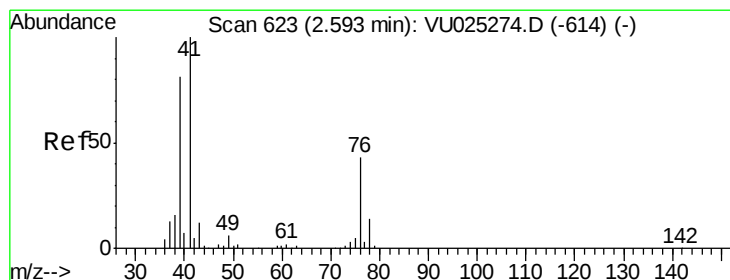
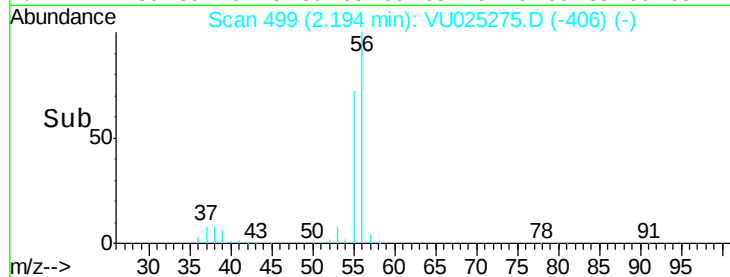
150000

100000

50000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 112.28 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

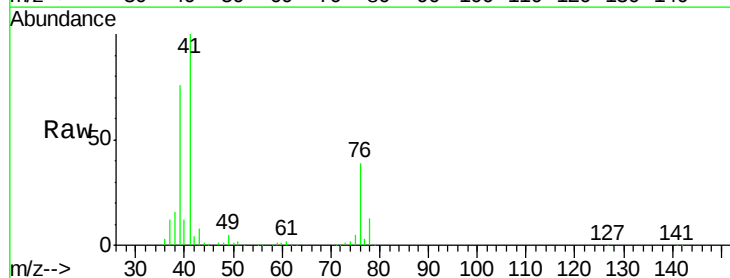
Tgt Ion: 41 Resp: 329398

Ion Ratio Lower Upper

41 100

39 67.1 60.6 91.0

76 33.4 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

400000

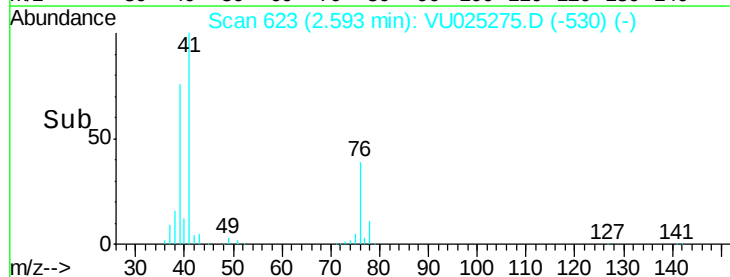
300000

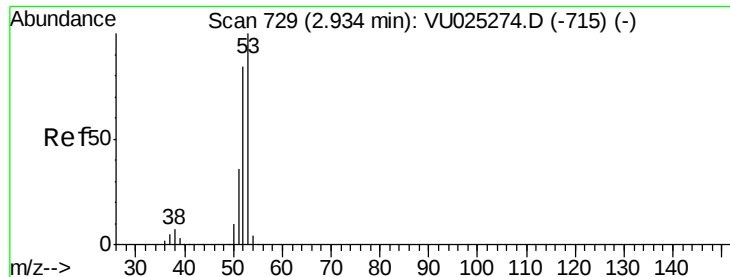
200000

100000

0

Time--> 2.50 2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 511.72 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

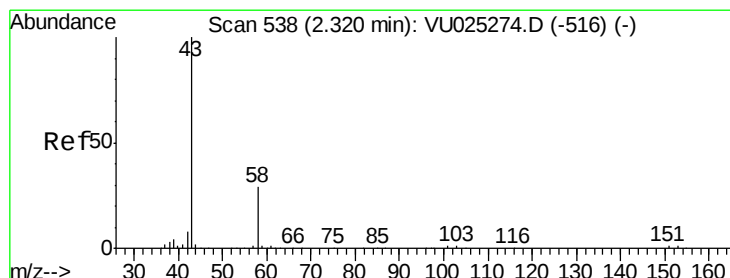
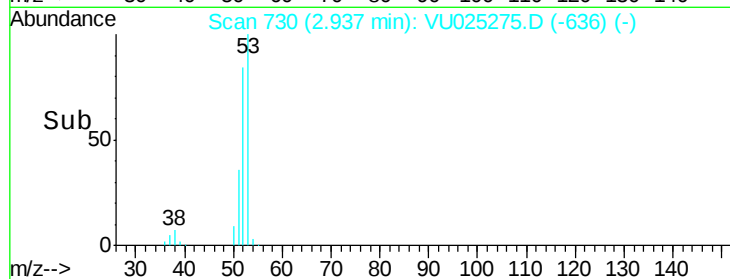
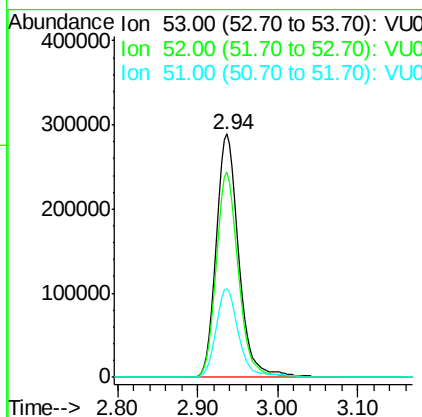
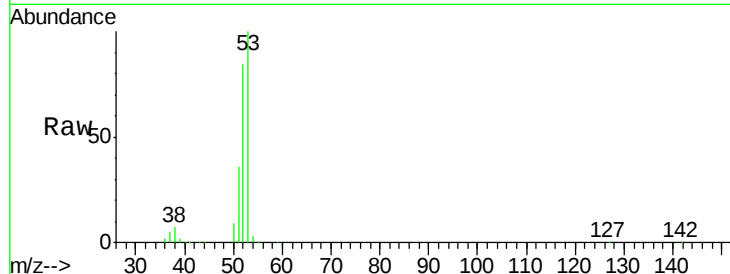
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	569024
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.6	99.8
51	36.8	29.4	44.2

Manual Integrations
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7/10/2018 2:33:48 PM



#16

Acetone

Concen: 510.86 ug/l

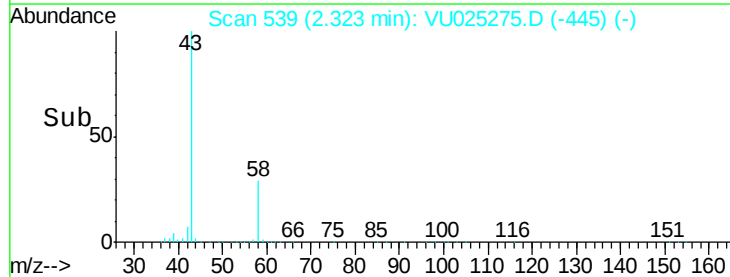
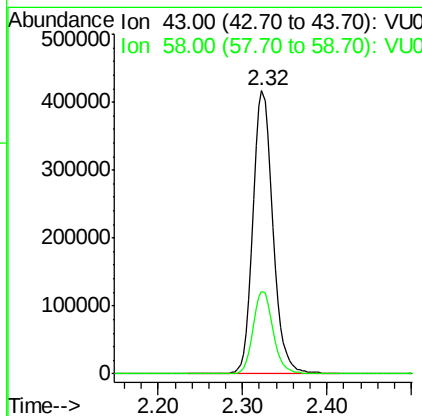
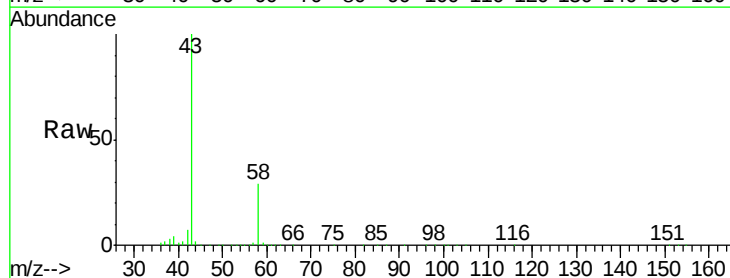
RT: 2.32 min Scan# 539

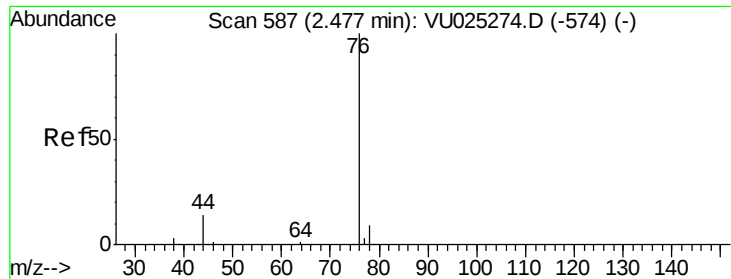
Delta R.T. 0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Tgt Ion:	43	Resp:	683946
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.1	34.7





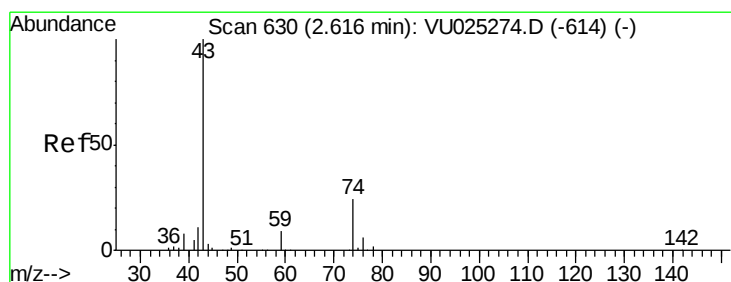
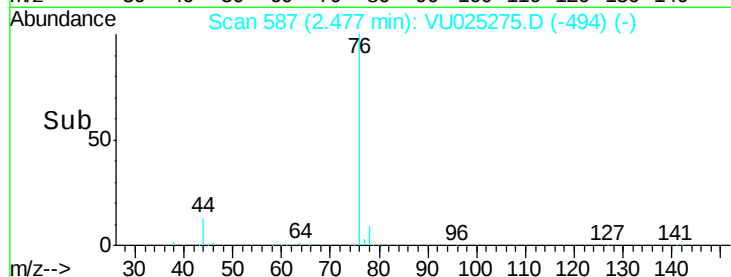
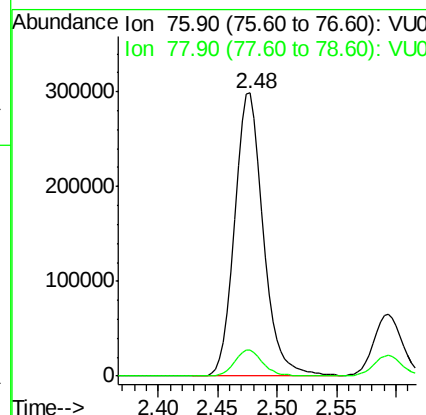
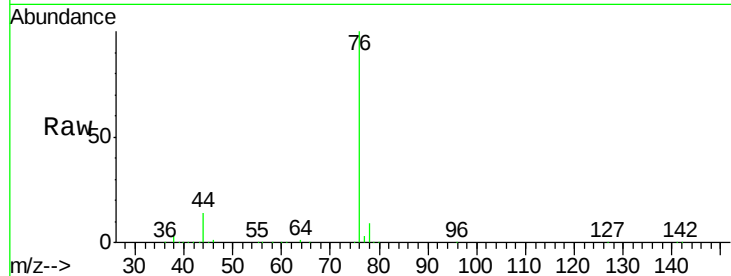
#17
Carbon Disulfide
Concen: 99.67 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

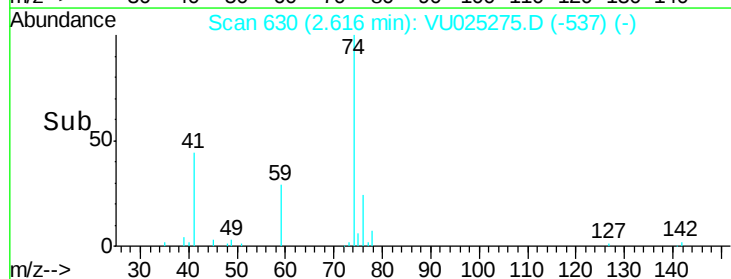
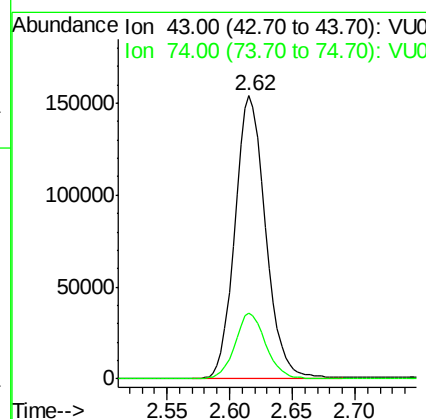
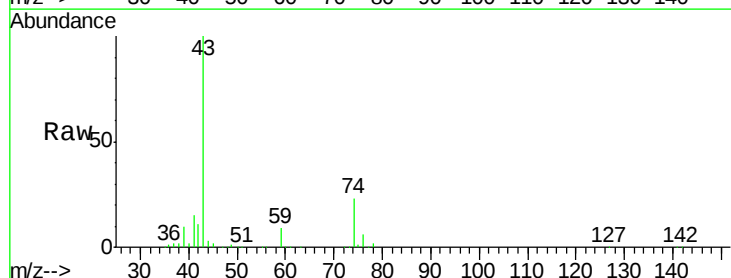
Manual Integrations
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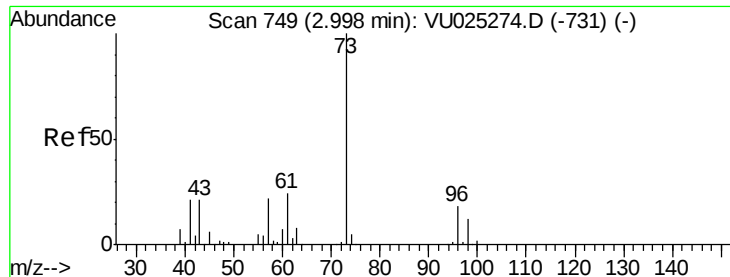
MMDadoda
7/10/2018 2:33:48 PM



#18
Methyl Acetate
Concen: 102.85 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.5	27.7





#19

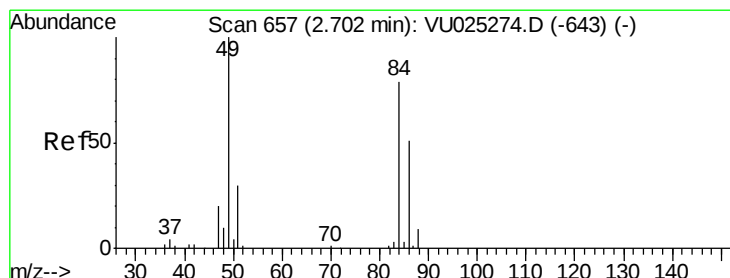
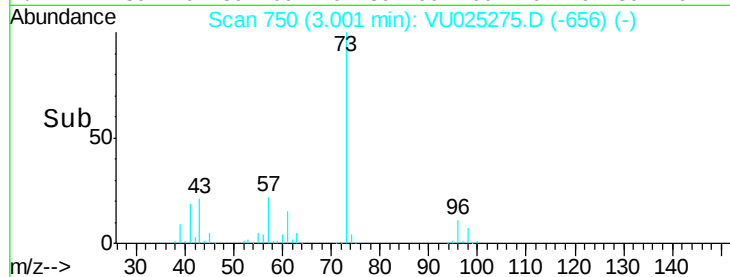
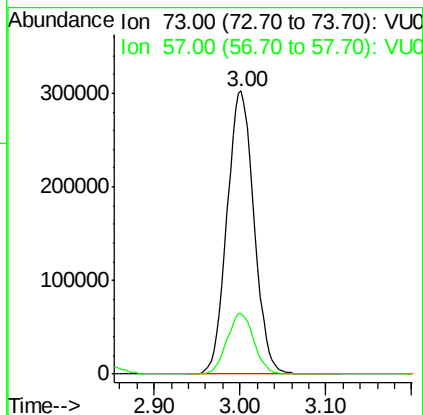
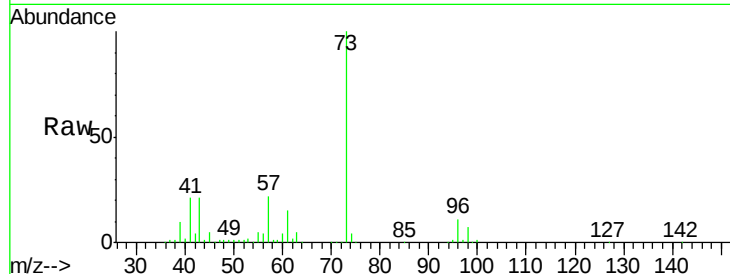
Methvl tert-butvl Ether
 Concen: 107.00 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 658346
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.4 26.2

Manual Integrations
 APPROVED

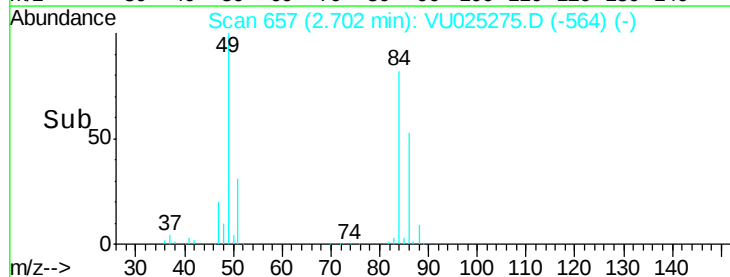
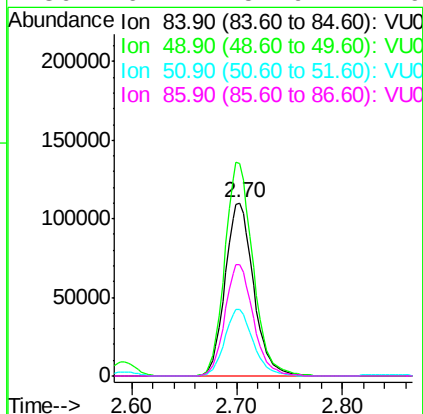
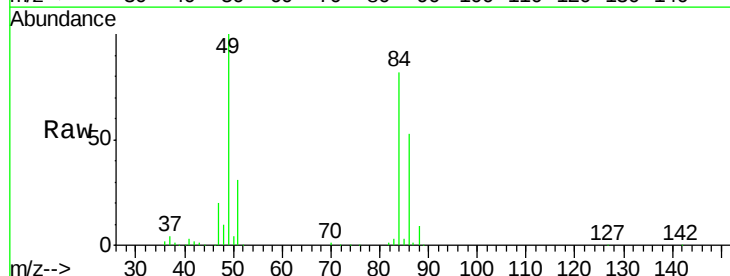
MMDadoda
 7/10/2018 2:33:48 PM

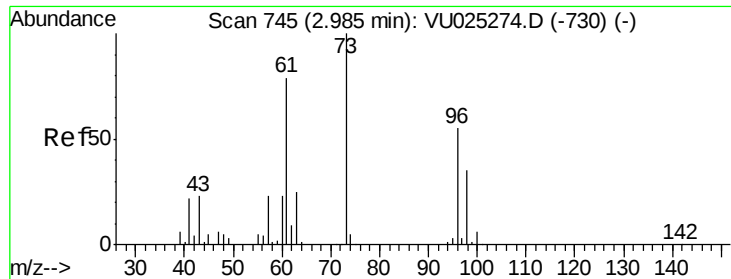


#20

Methylene Chloride
 Concen: 93.24 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Tgt Ion: 84 Resp: 205092
 Ion Ratio Lower Upper
 84 100
 49 122.6 101.8 152.6
 51 38.1 30.8 46.2
 86 64.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 102.84 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

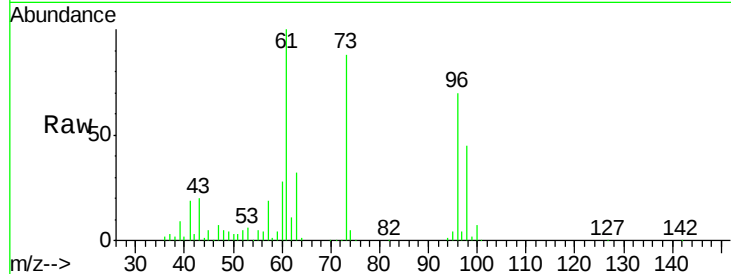
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	190103
Ion	Ratio	Lower	Upper
96	100		
61	142.5	114.5	171.7
98	63.5	50.5	75.7

Manual Integrations
APPROVED

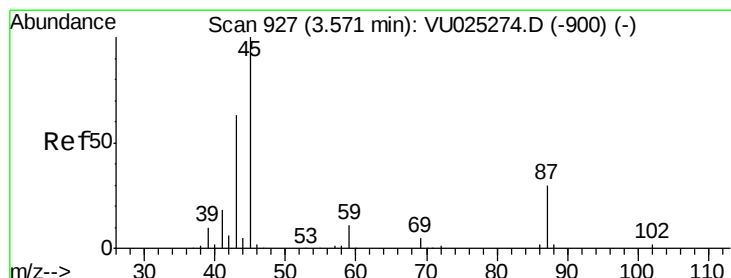
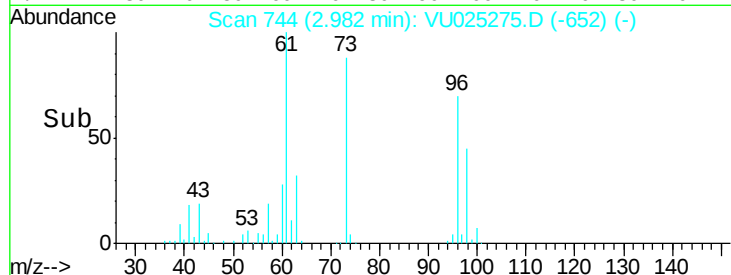
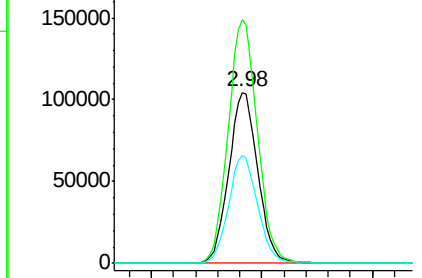
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7/10/2018 2:33:48 PM



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: 105.81 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

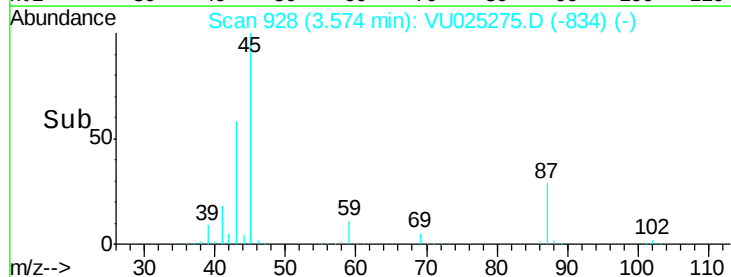
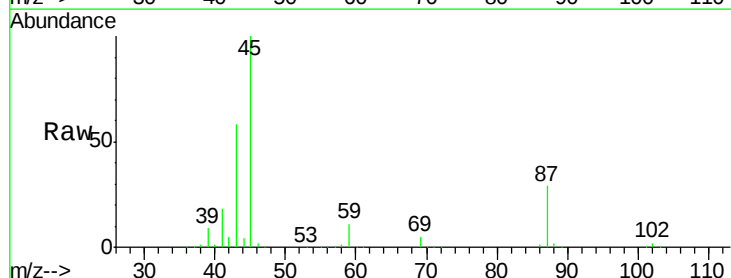
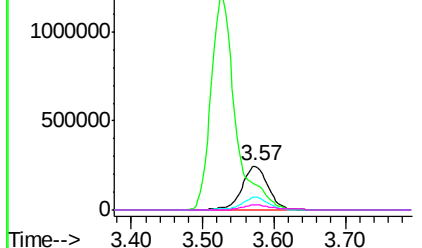
Tgt Ion:	45	Resp:	633933
Ion	Ratio	Lower	Upper
45	100		
43	57.3	50.9	76.3
87	28.7	23.8	35.8
59	11.2	9.0	13.4

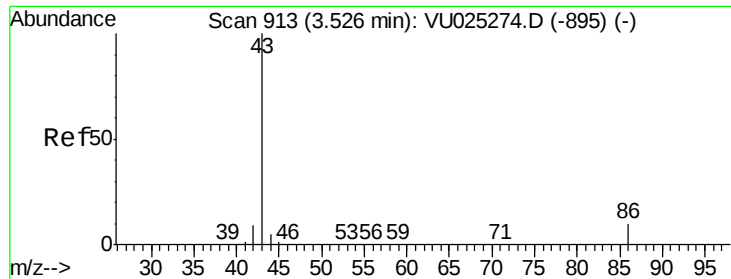
Abundance Ion 45.00 (44.70 to 45.70): VU025274.D (-900) (-)

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: 543.53 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Tot Ion: 43 Resp: 2856605

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.2

Instrument :

MSVOA_U

ClientSampleId :

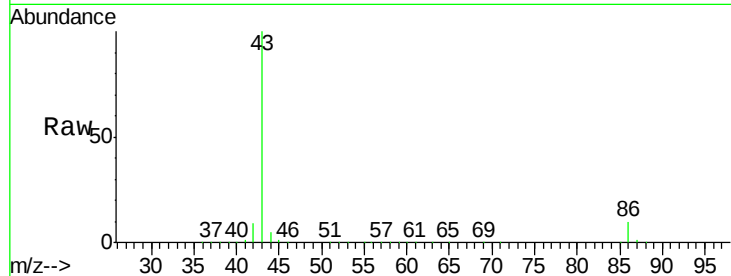
VSTDIC100

Manual Integrations

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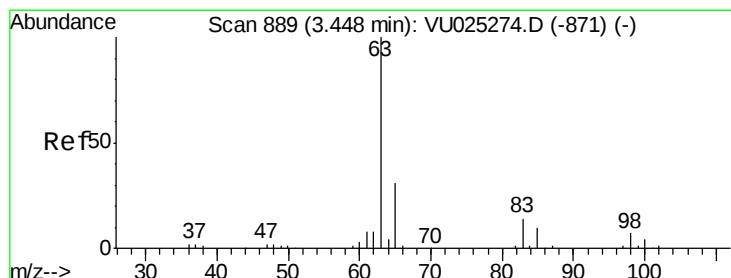
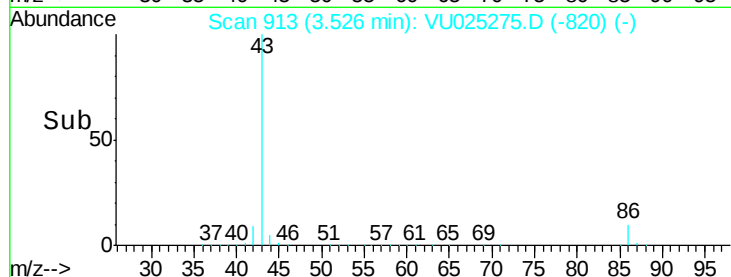
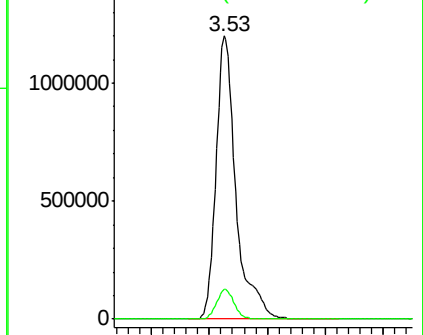
MMDadoda

7/10/2018 2:33:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 107.70 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

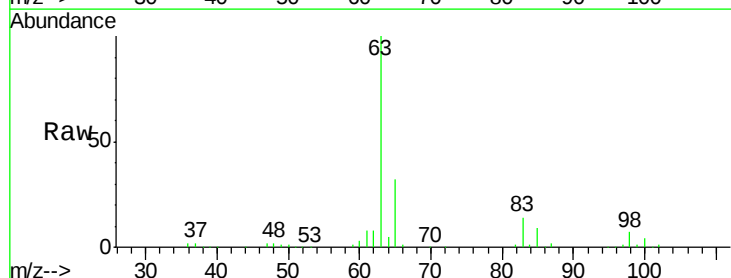
Tgt Ion: 63 Resp: 363911

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

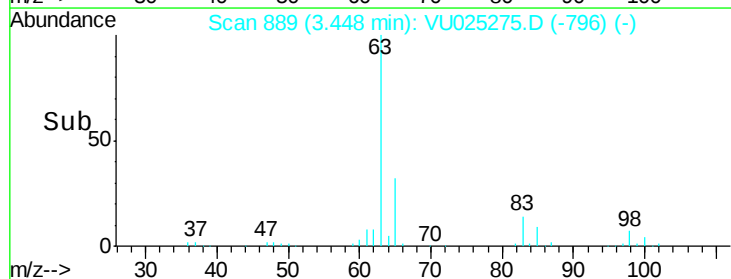
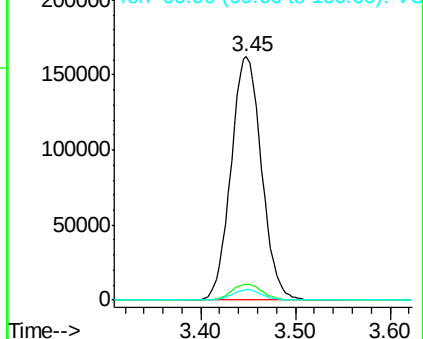
100 4.3 2.0 6.0

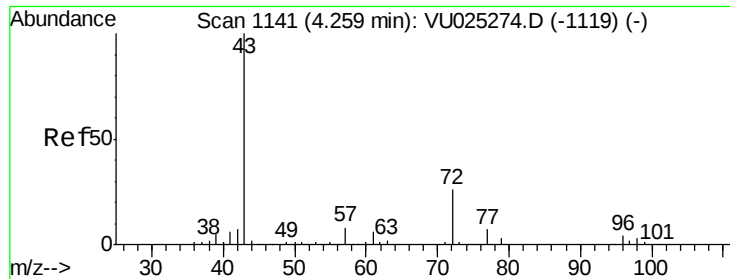


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 523.50 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 899606

Ion Ratio Lower Upper

43 100

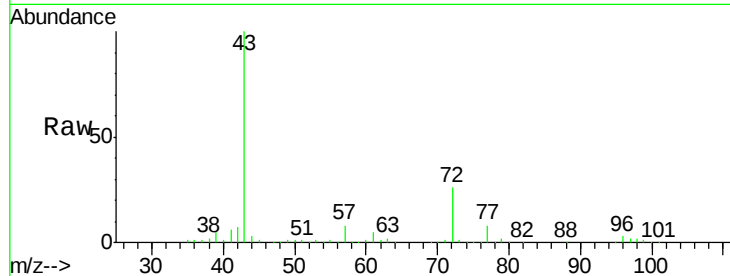
72 25.5 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

7/10/2018 2:33:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

400000

300000

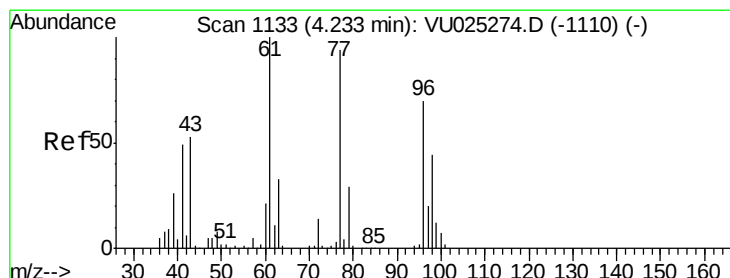
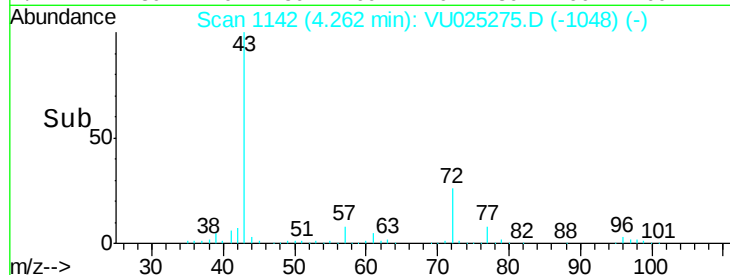
200000

100000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 107.21 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025275.D

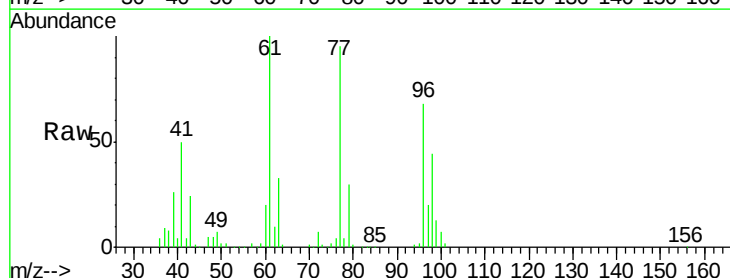
Acq: 09 Jul 2018 15:47

Tgt Ion: 77 Resp: 348311

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

150000

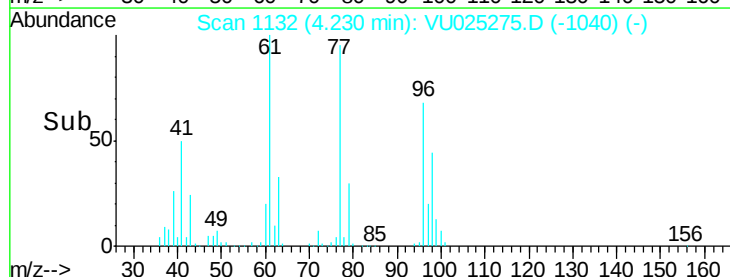
100000

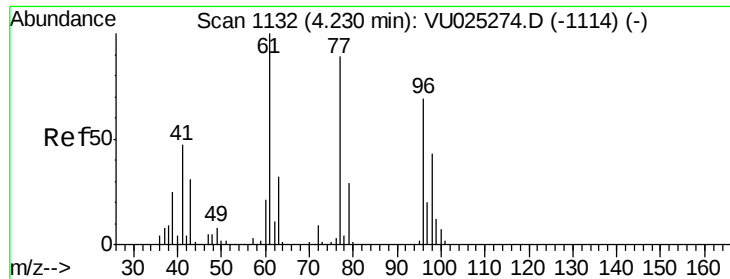
50000

0

4.10 4.20 4.30

Time-->





#27

cis-1,2-Dichloroethene

Concen: 103.67 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

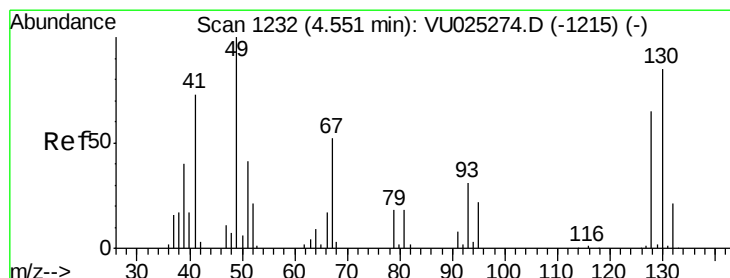
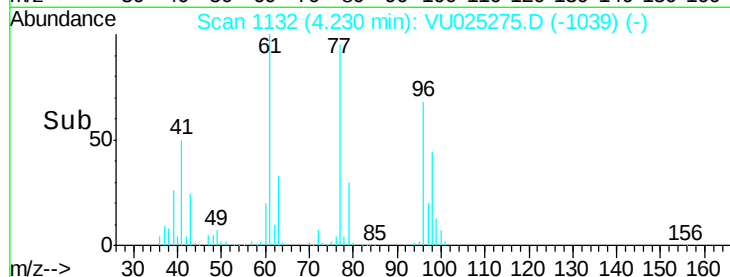
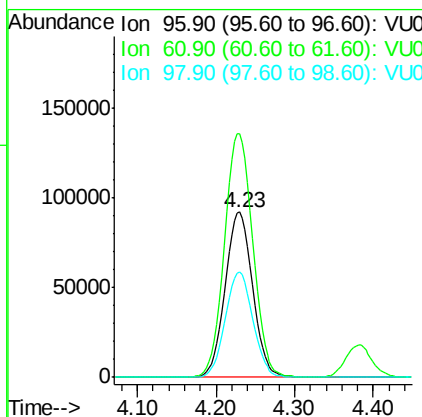
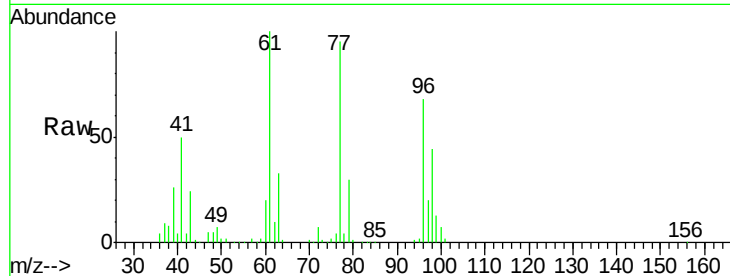
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	221743
Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	299.8
98	64.2	0.0	128.6

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#28

Bromochloromethane

Concen: 102.42 ug/l

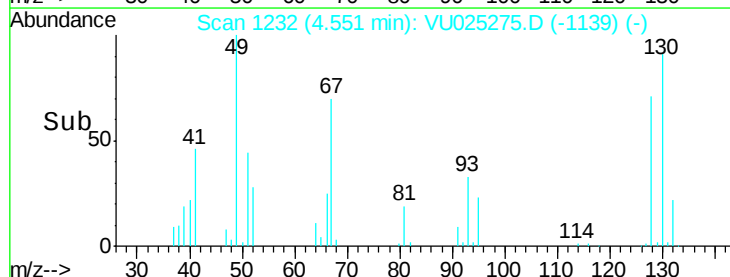
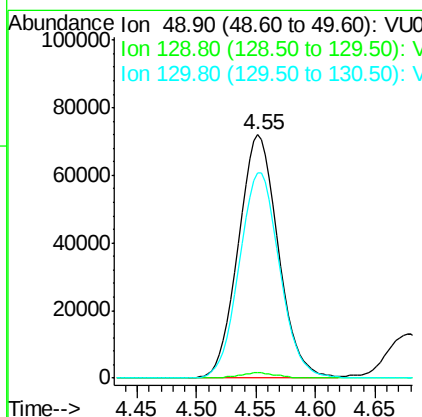
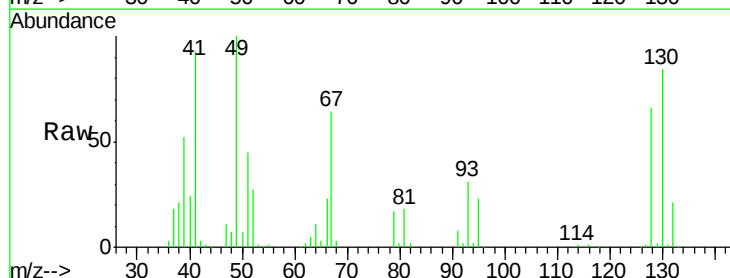
RT: 4.55 min Scan# 1232

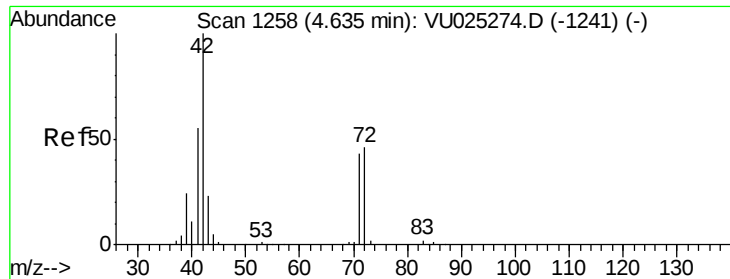
Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Tgt Ion:	49	Resp:	167106
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	85.6	68.6	102.8





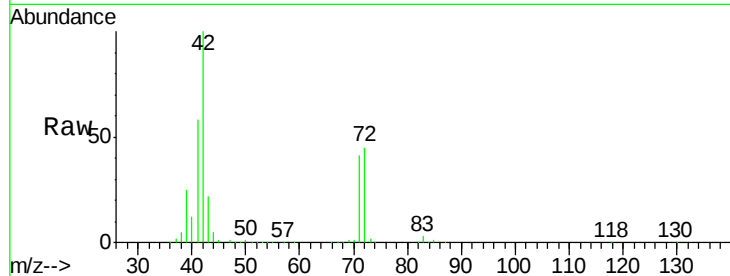
#29
Tetrahydrofuran
Concen: 506.85 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

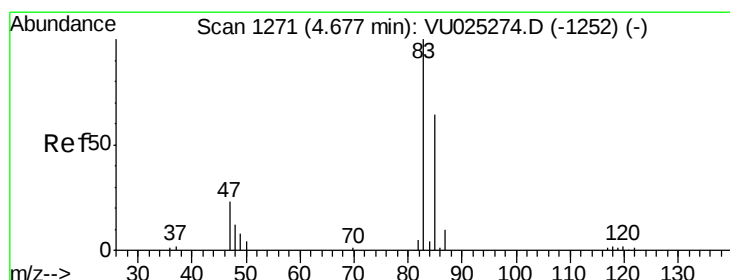
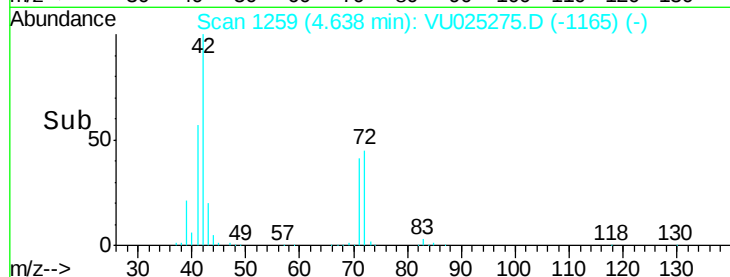
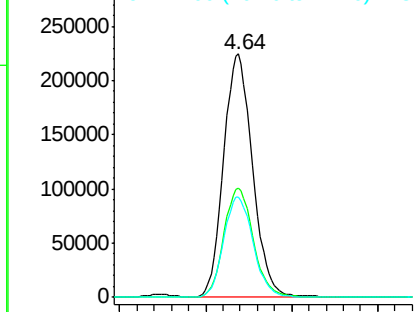
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.7	55.1
71	42.4	33.9	50.9

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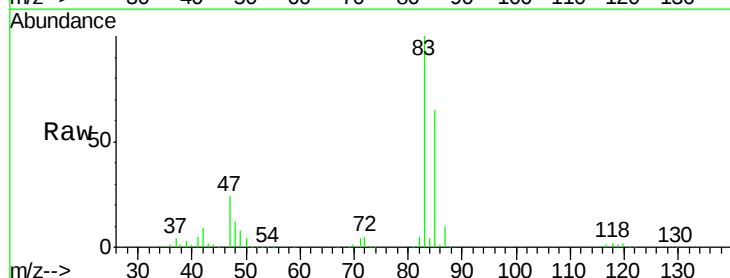


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

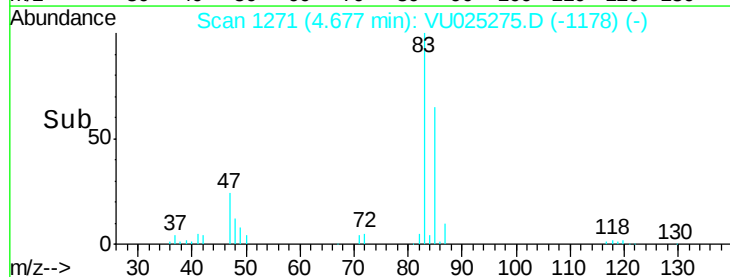
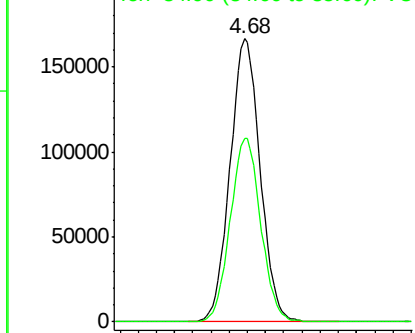


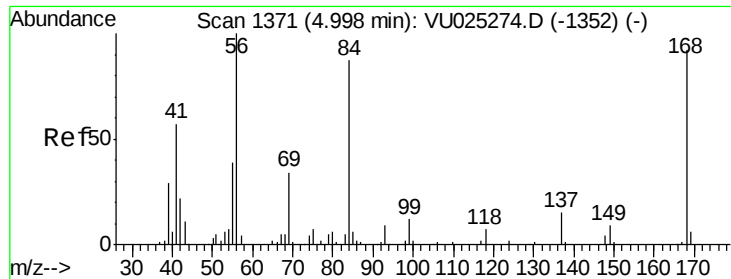
#30
Chloroform
Concen: 106.91 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





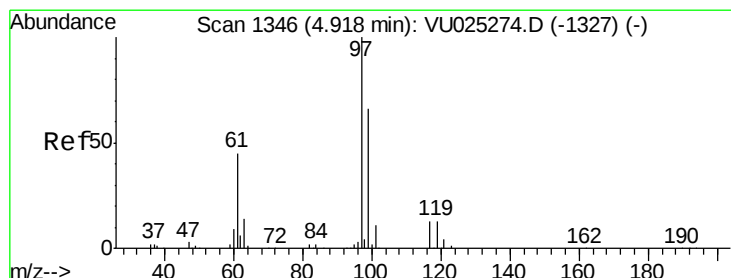
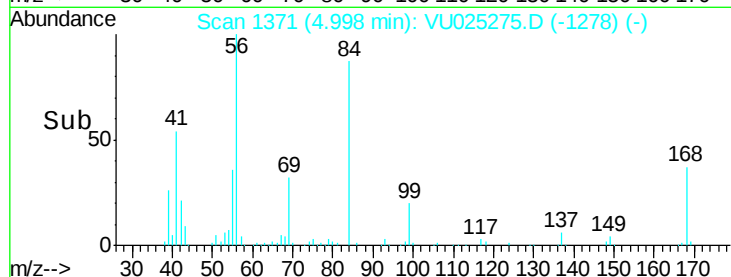
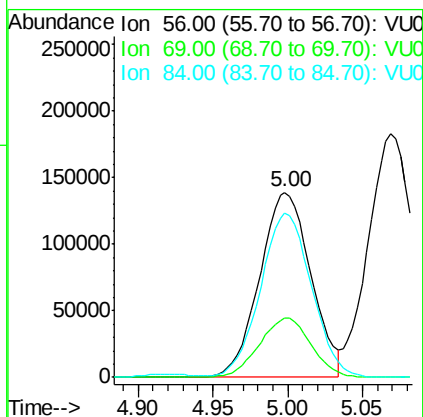
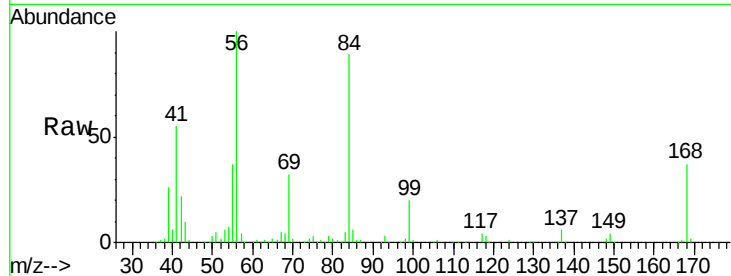
#31
Cyclohexane
Concen: 88.01 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.8	40.2
84	87.7	69.7	104.5

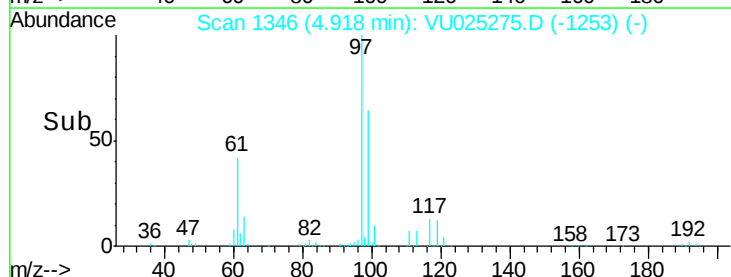
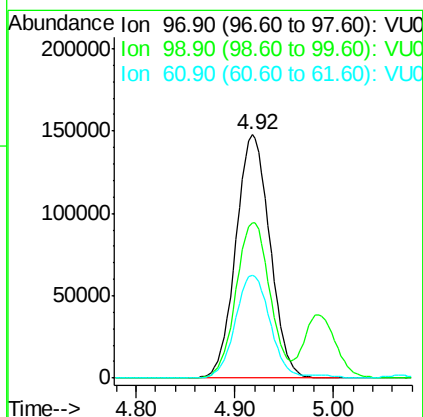
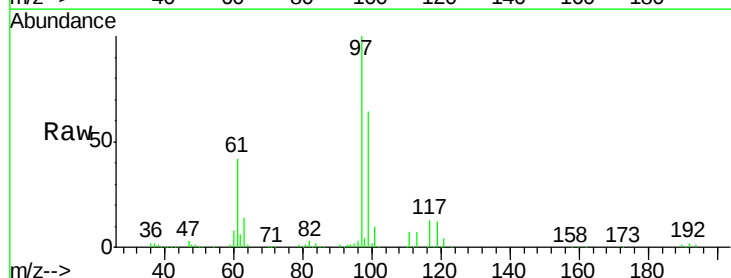
Manual Integrations
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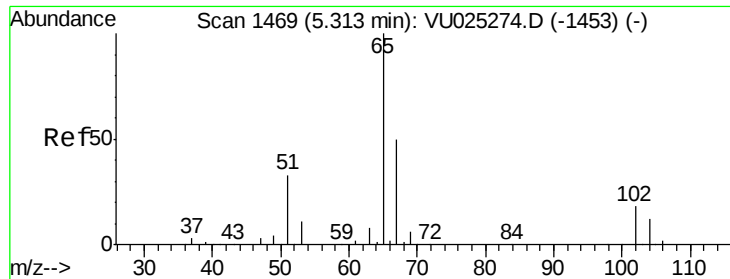
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#32
1,1,1-Trichloroethane
Concen: 109.15 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	43.1	35.2	52.8





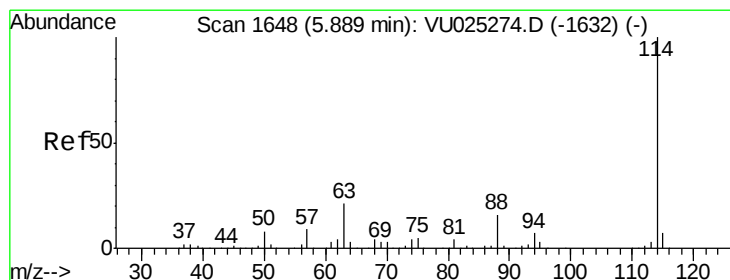
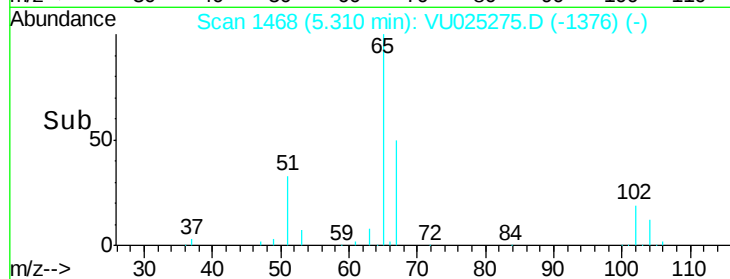
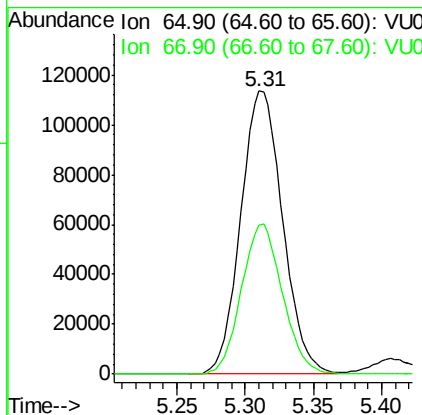
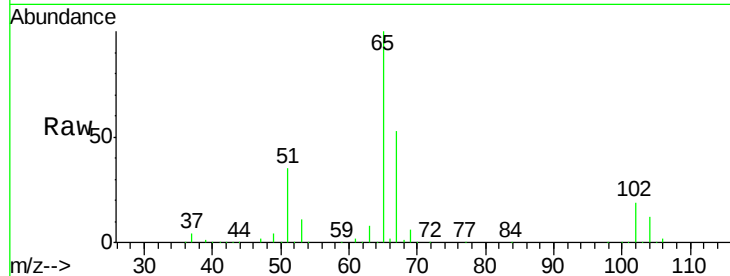
#33
 1,2-Dichloroethane-d4
 Concen: 97.78 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.6

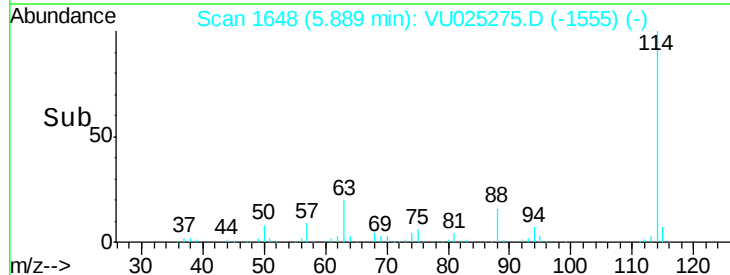
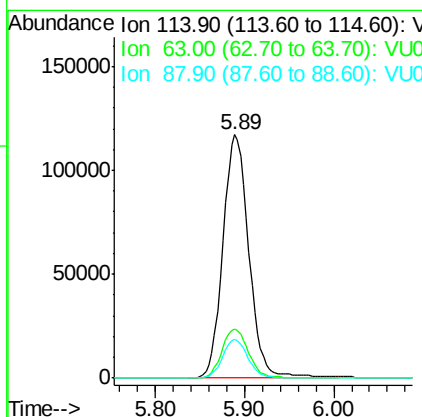
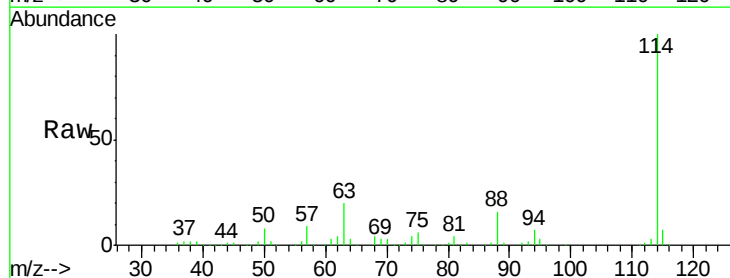
Manual Integrations
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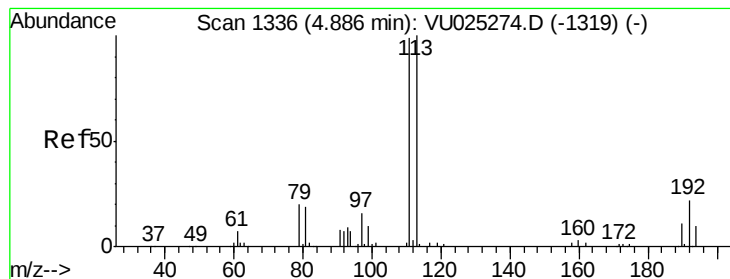
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.6
88	15.8	0.0	32.4





#35

Dibromofluoromethane

Concen: 101.26 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

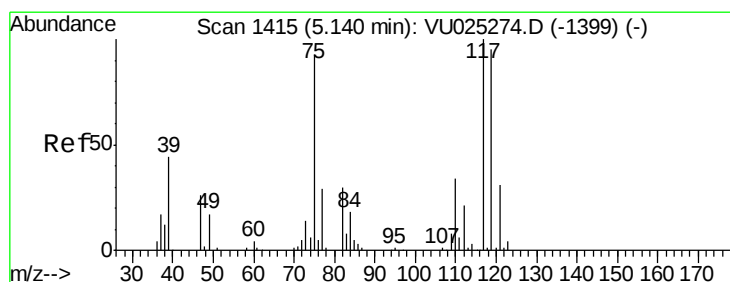
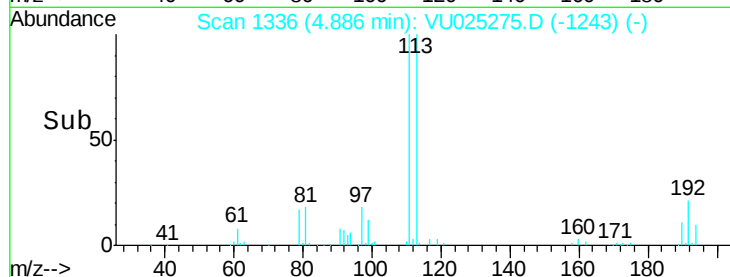
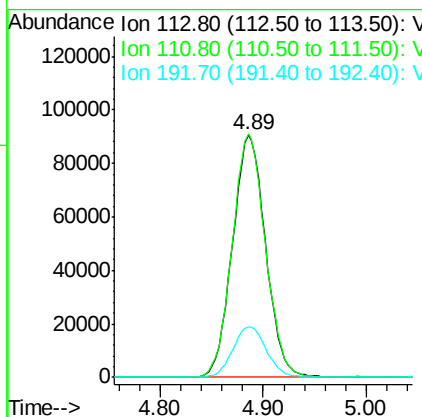
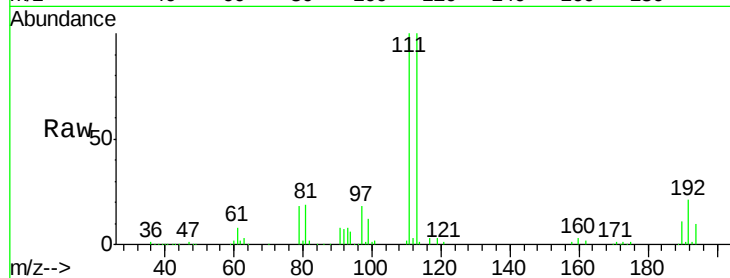
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	202013
Ion Ratio	Lower	Upper	
113	100		
111	100.4	81.7	122.5
192	21.3	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 106.95 ug/l

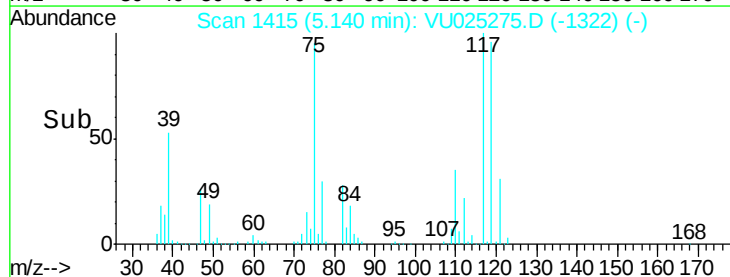
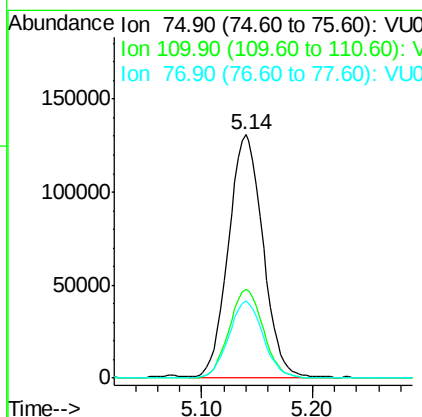
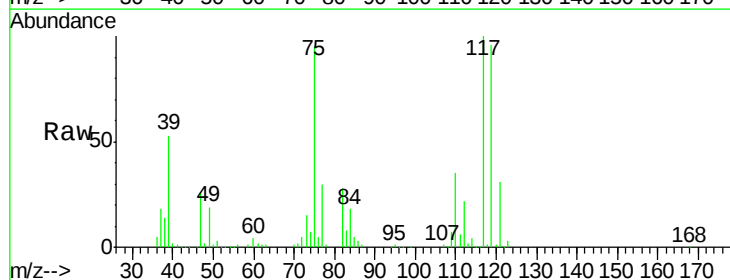
RT: 5.14 min Scan# 1415

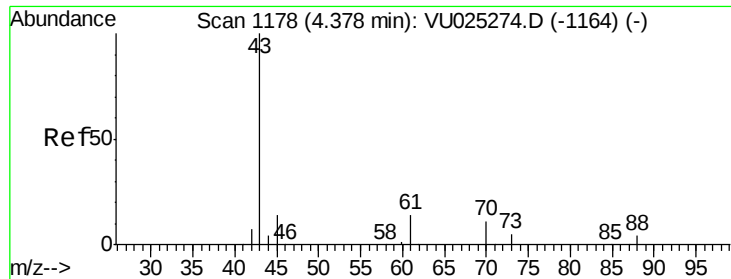
Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Tgt Ion:	75	Resp:	281169
Ion Ratio	Lower	Upper	
75	100		
110	36.7	17.6	52.9
77	31.6	24.4	36.6





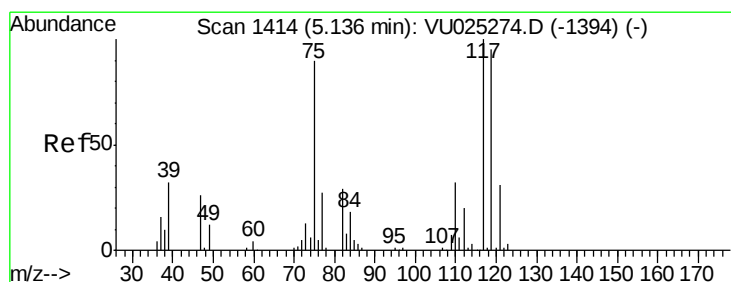
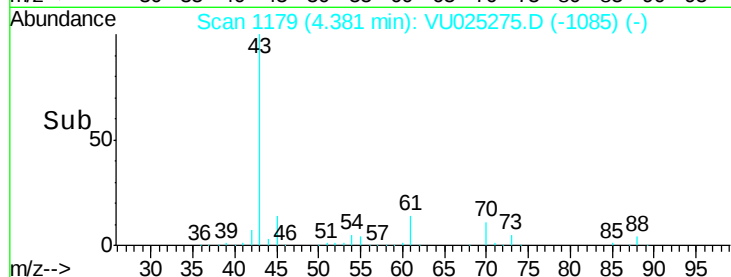
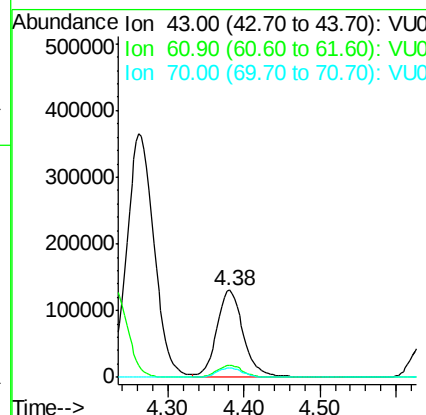
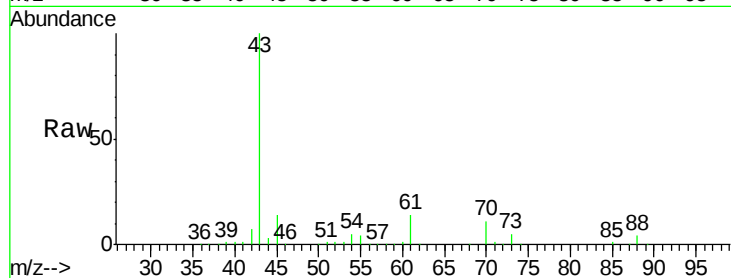
#37
Ethyl Acetate
Concen: 107.16 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	10.7	8.4	12.6

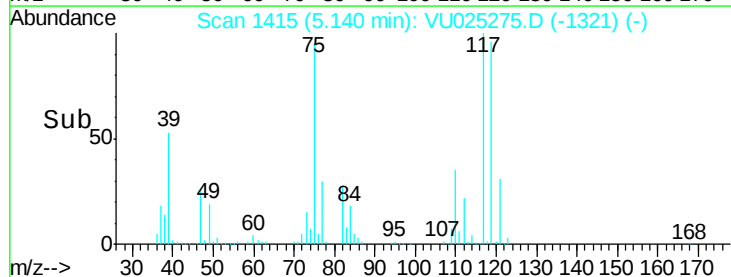
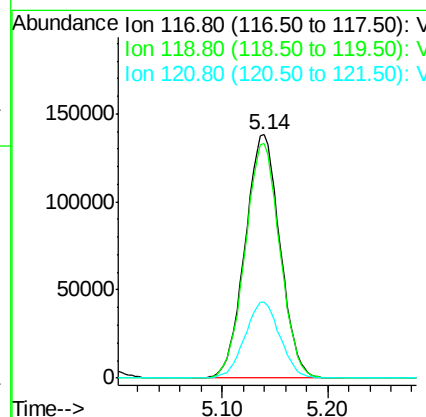
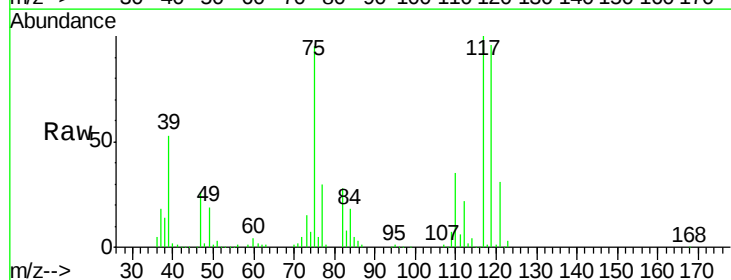
Manual Integrations
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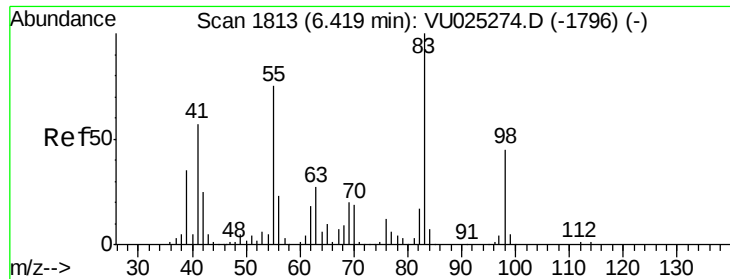
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#38
Carbon Tetrachloride
Concen: 112.58 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.7	113.5
121	31.1	24.6	36.8





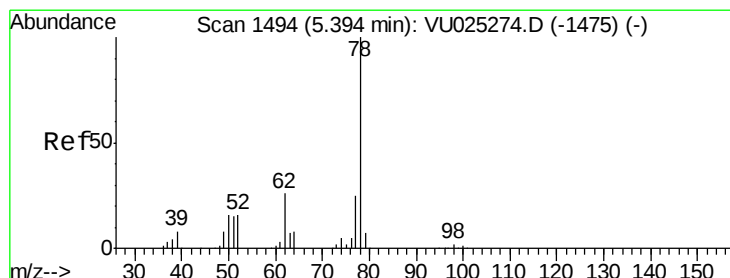
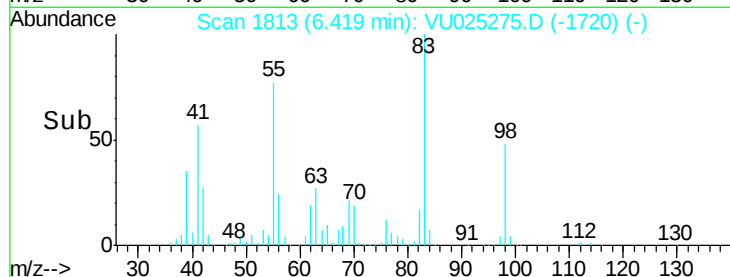
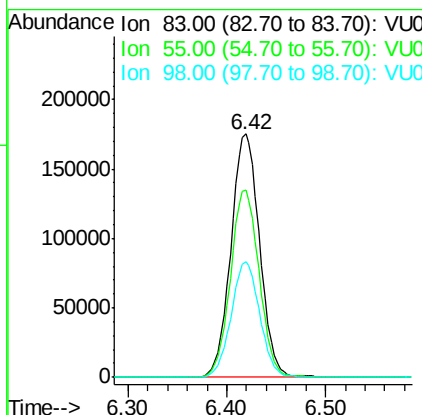
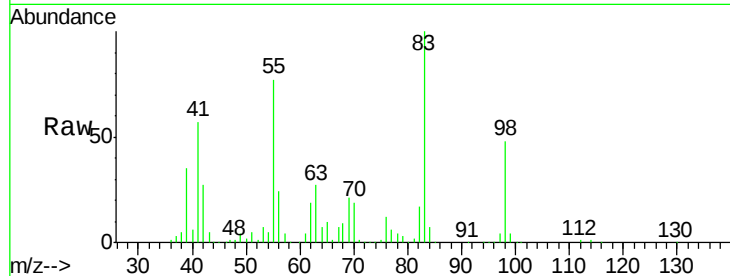
#39
Methvlcvclohexane
Concen: 108.26 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	60.0	90.0
98	47.6	36.1	54.1

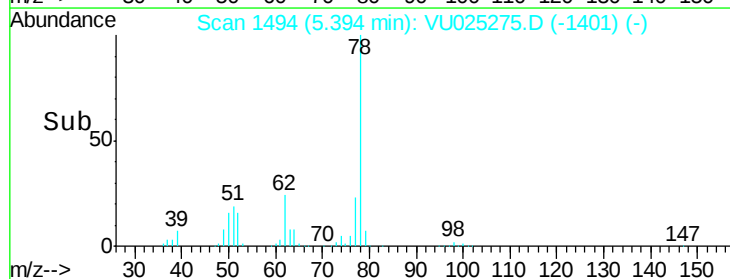
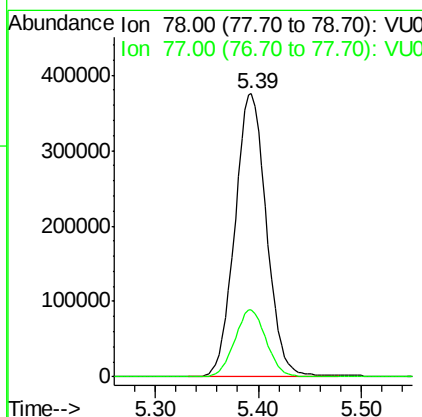
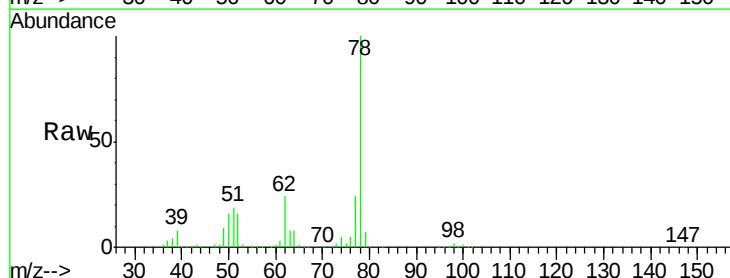
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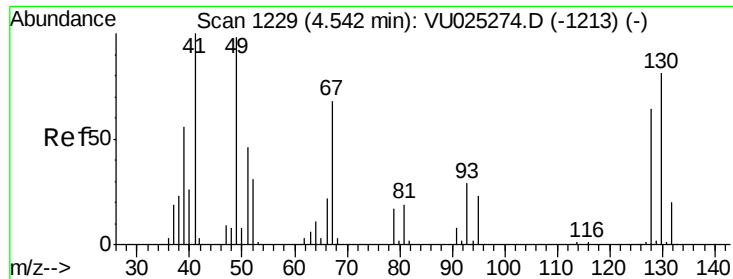
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#40
Benzene
Concen: 105.85 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.8	29.6





#41

Methacrylonitrile

Concen: 106.32 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion: 41 Resp: 172841
Ion Ratio Lower Upper

41 100

39 55.5 44.4 66.6

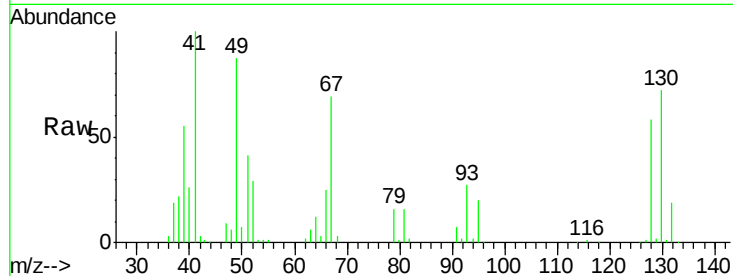
67 69.2 56.0 84.0

52 29.2 24.6 36.8

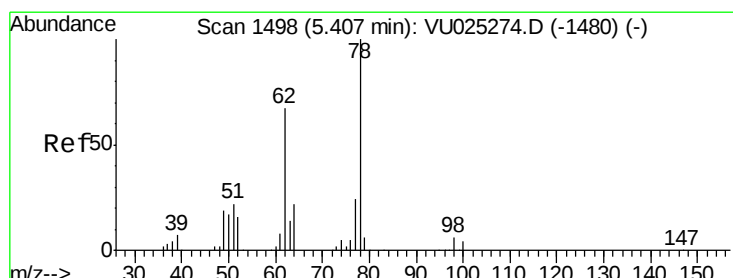
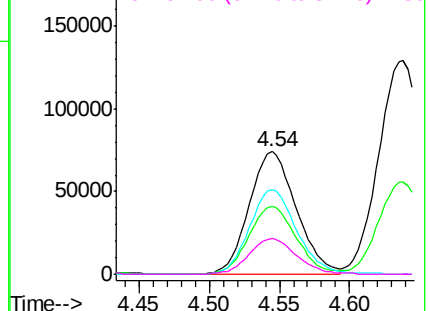
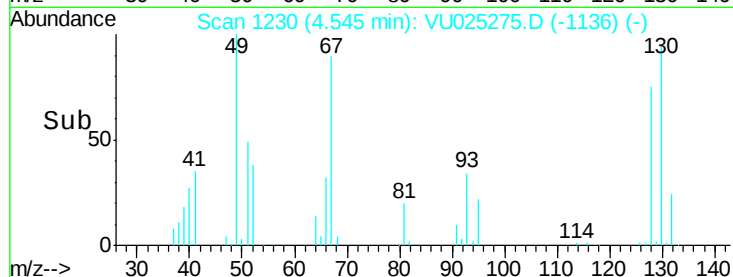
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 106.01 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

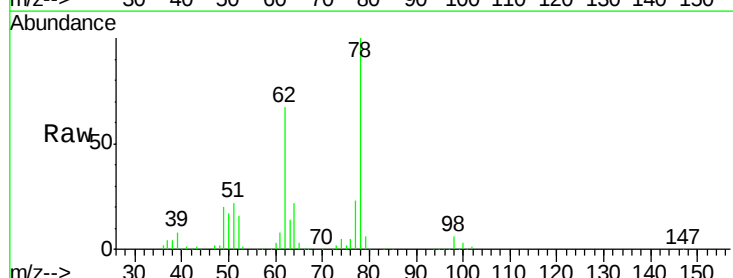
Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

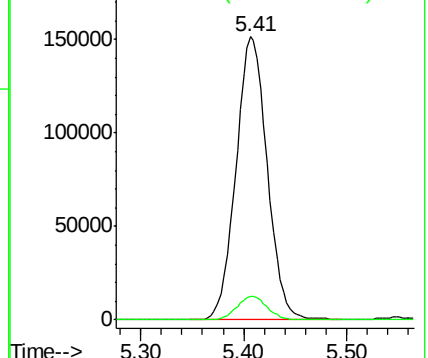
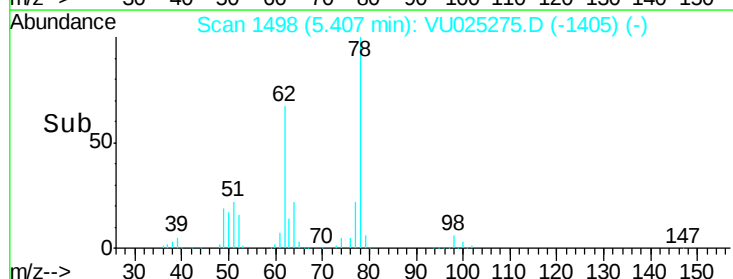
Tgt Ion: 62 Resp: 319271
Ion Ratio Lower Upper

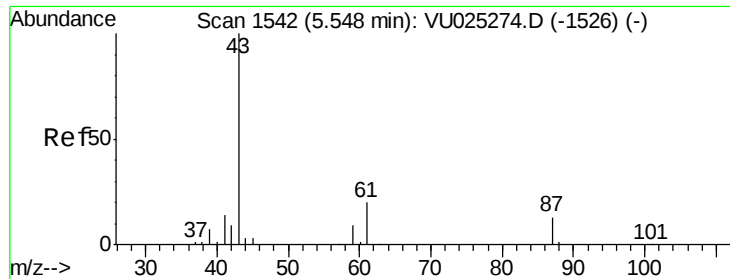
62 100

98 8.2 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 106.50 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

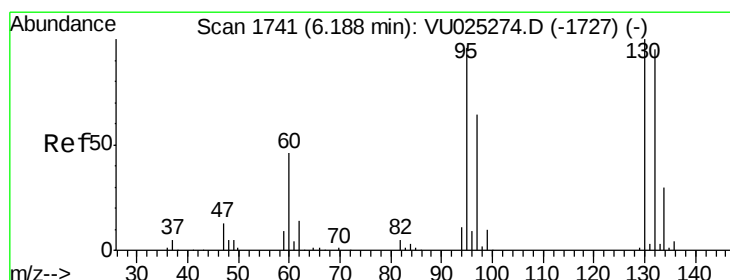
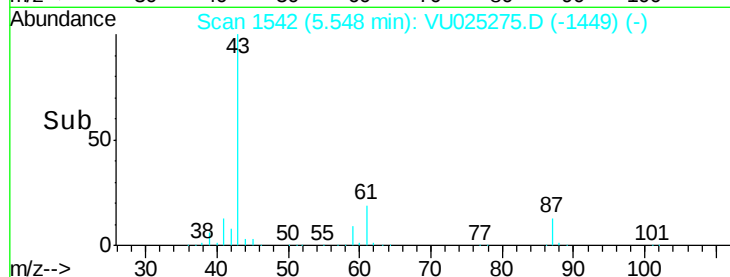
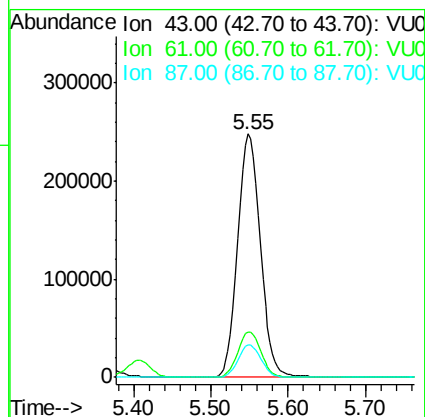
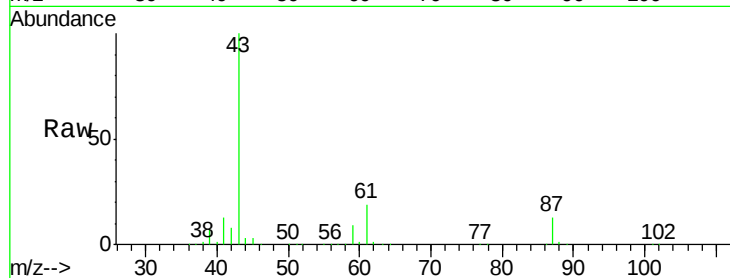
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	500072
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.5	23.3
87	13.6	10.6	16.0

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#44

Trichloroethene

Concen: 105.47 ug/l

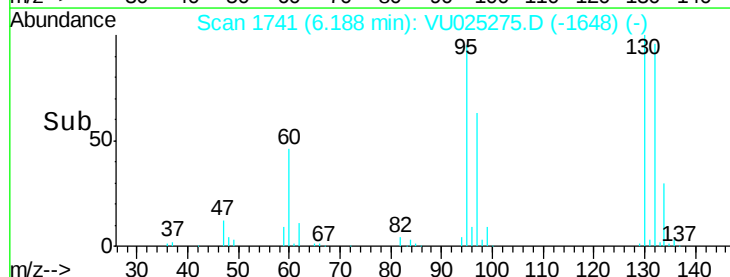
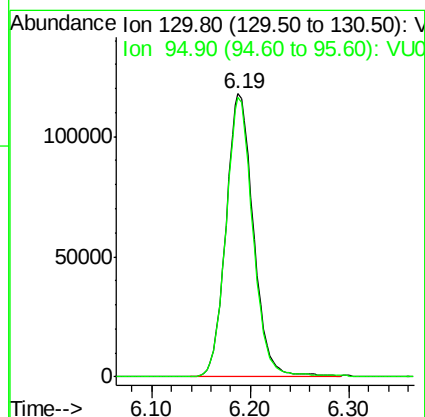
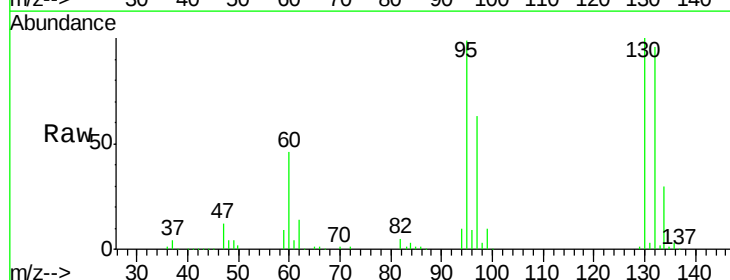
RT: 6.19 min Scan# 1741

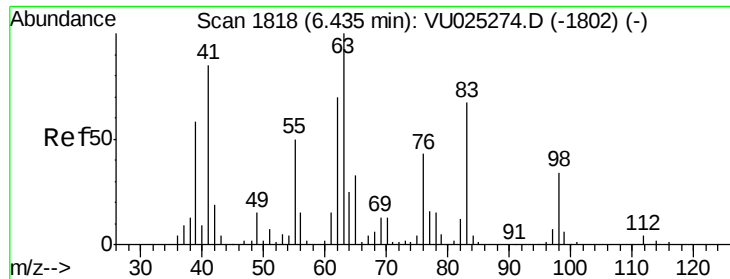
Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Tgt Ion:	130	Resp:	229438
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	192.2





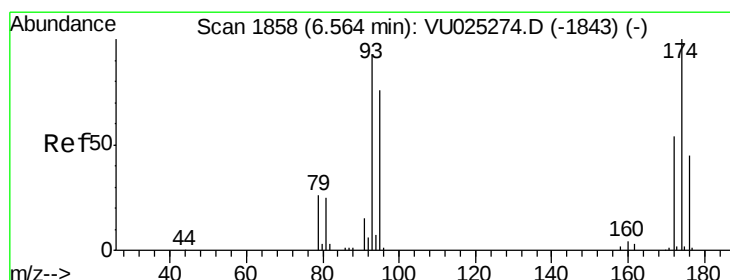
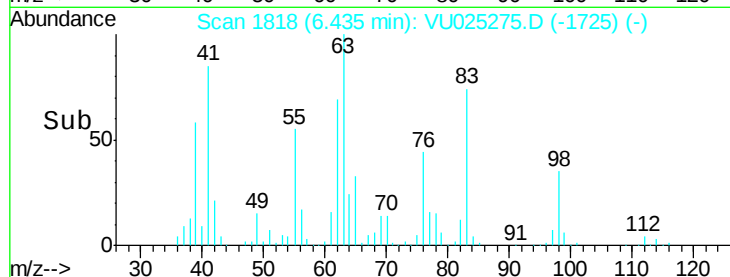
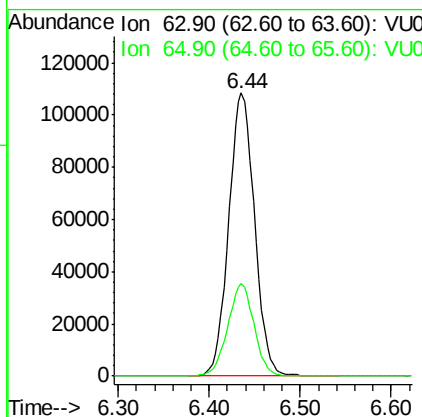
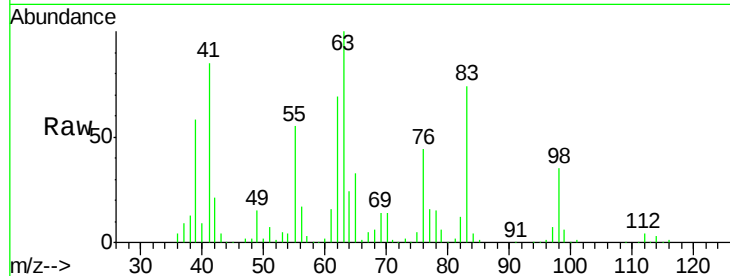
#45
 1,2-Dichloropropane
 Concen: 107.70 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 213727
 Ion Ratio Lower Upper
 63 100
 65 32.6 26.1 39.1

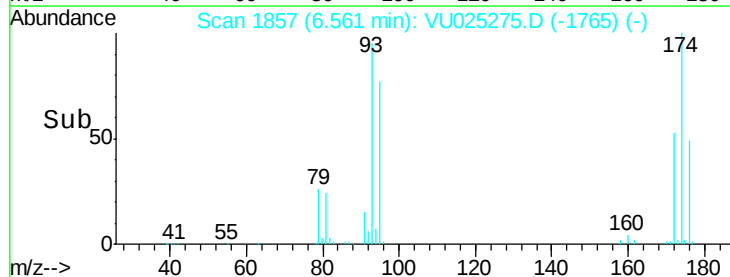
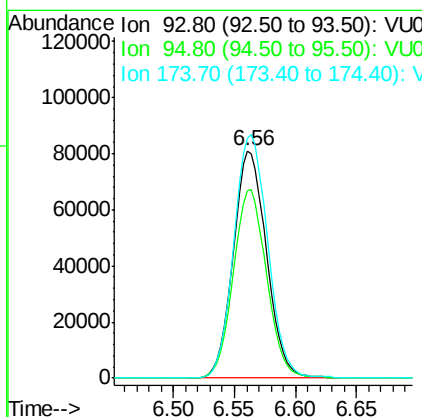
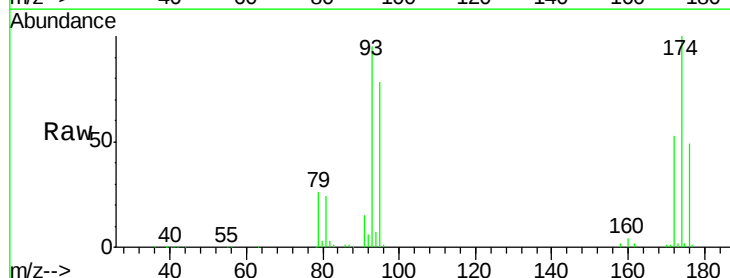
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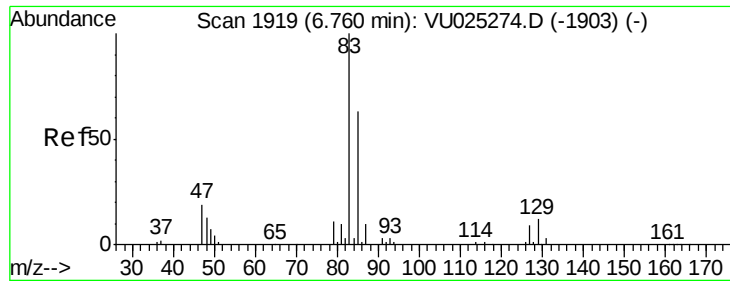
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#46
 Dibromomethane
 Concen: 106.22 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Tgt Ion: 93 Resp: 153399
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.6 100.0
 174 108.9 85.8 128.8





#47

Bromodichloromethane

Concen: 110.67 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

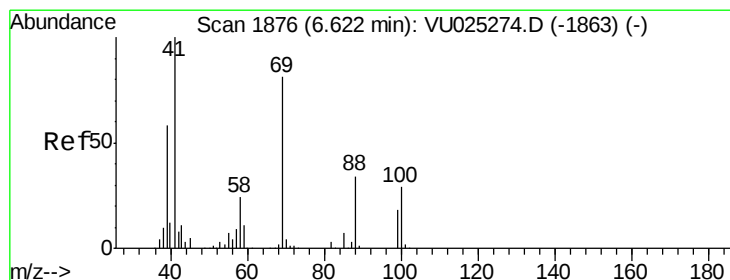
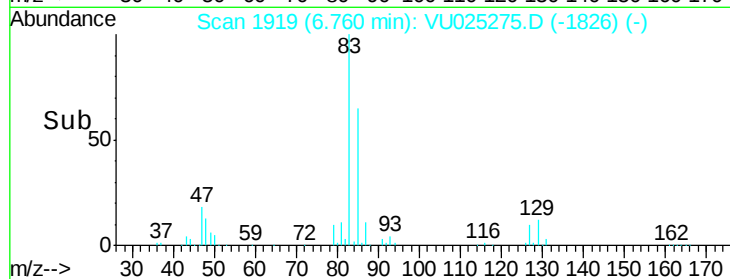
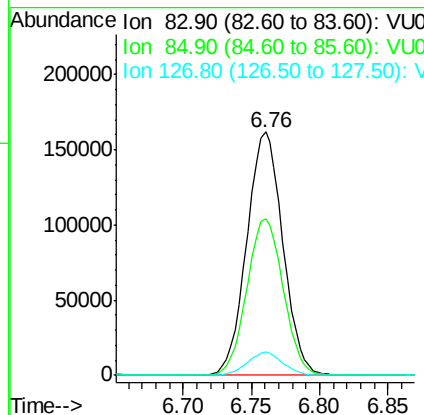
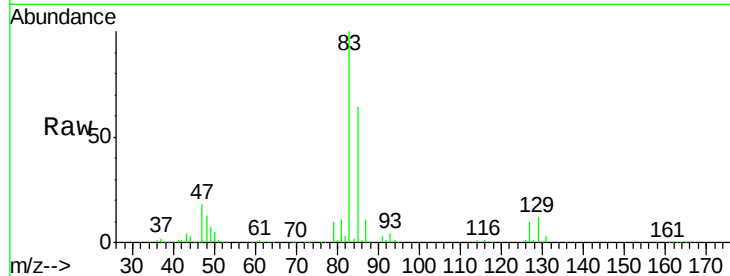
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	296894
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.2	75.4
127	9.6	7.2	10.8

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#48

Methyl methacrylate

Concen: 107.85 ug/l

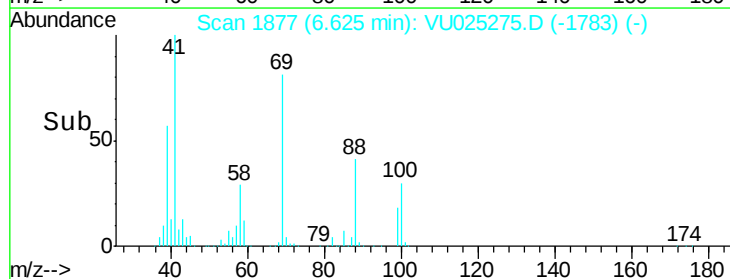
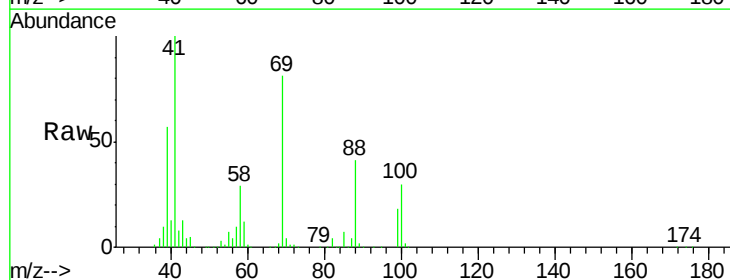
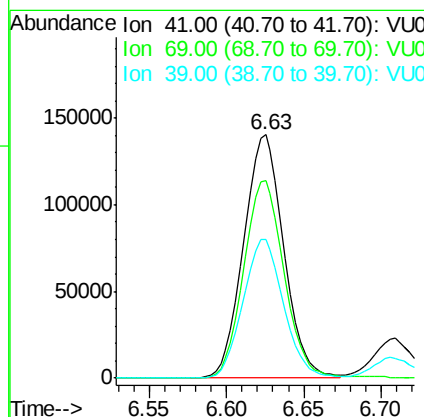
RT: 6.63 min Scan# 1877

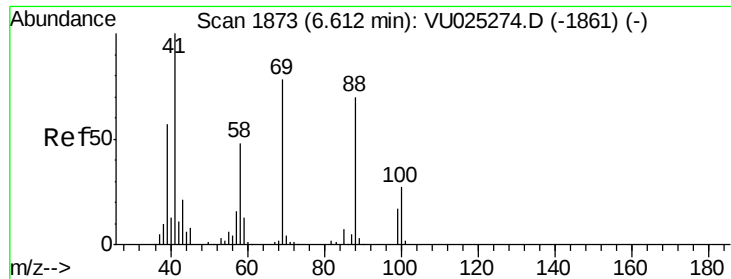
Delta R.T. 0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Tgt Ion:	41	Resp:	252446
Ion	Ratio	Lower	Upper
41	100		
69	82.6	65.0	97.4
39	57.3	46.4	69.6





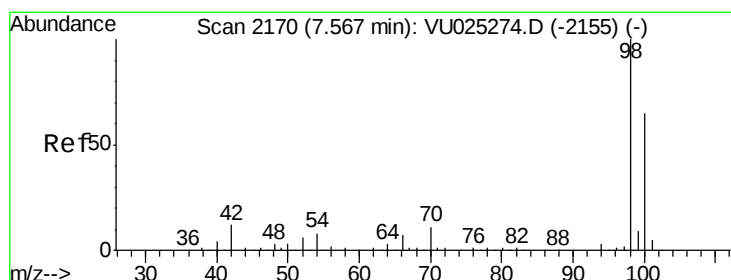
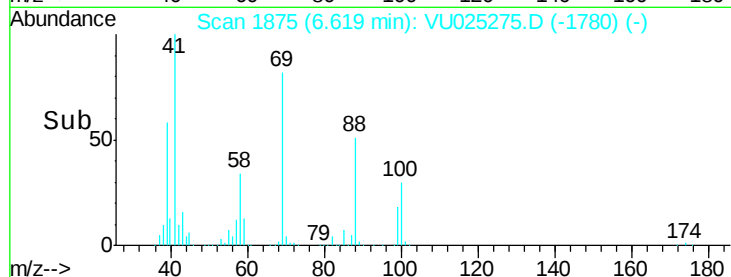
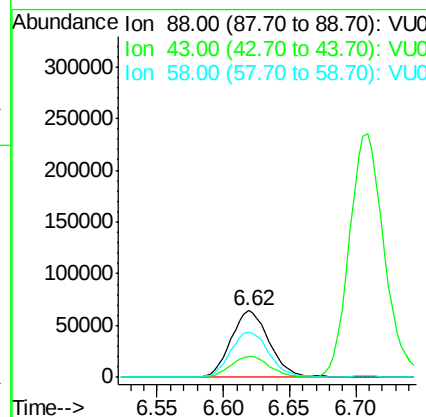
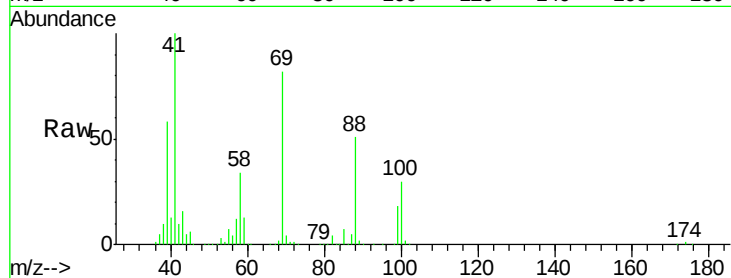
#49
1,4-Dioxane
Concen: 2259.44 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.4	27.3	40.9	
58	69.8	57.6	86.4	

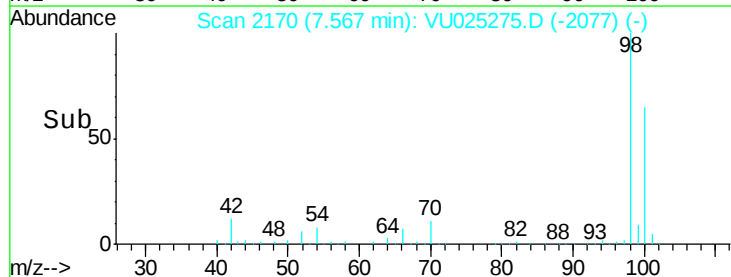
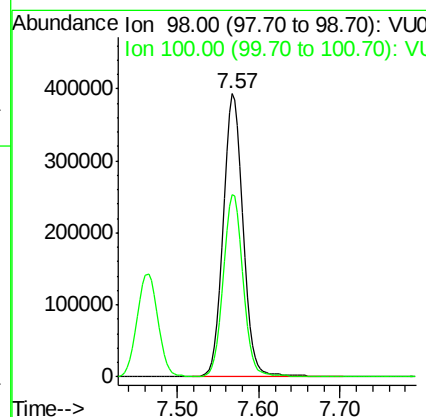
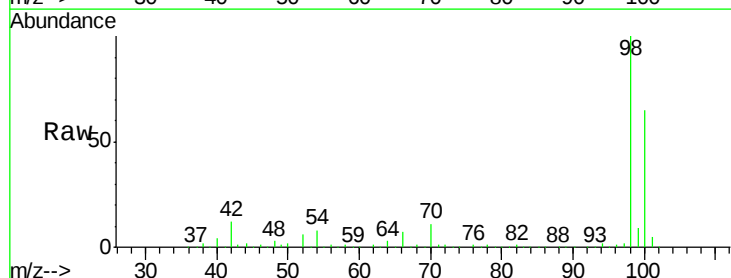
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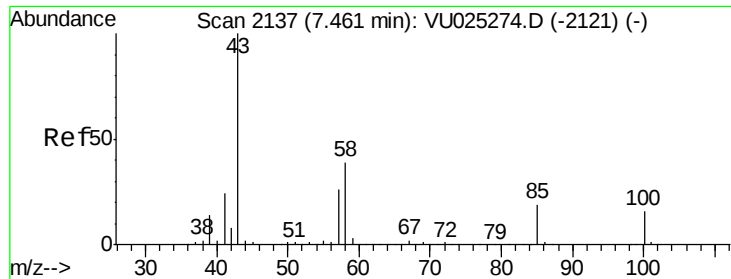
MMDadoda
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#50
Toluene-d8
Concen: 100.09 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.5	51.1	76.7	





#51

4-Methyl-2-Pentanone

Concen: 526.15 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1605669

Ion Ratio Lower Upper

43 100

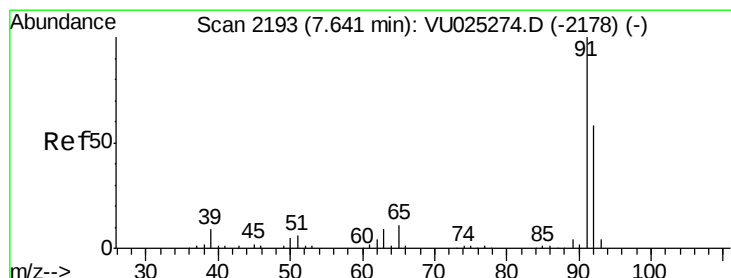
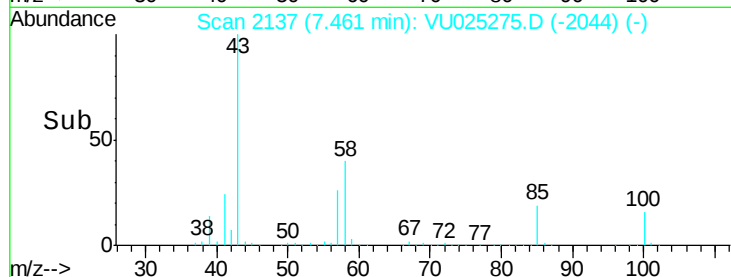
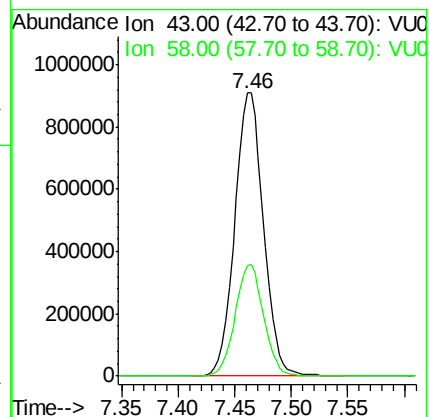
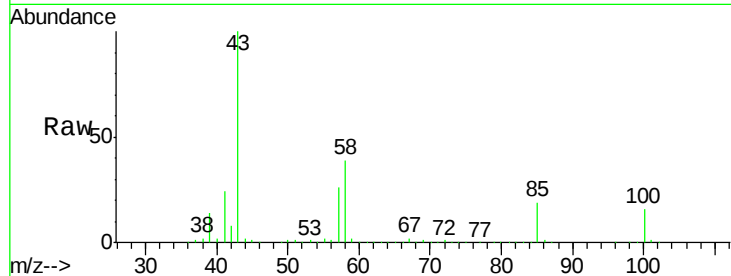
58 39.1 31.0 46.4

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#52

Toluene

Concen: 108.18 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025275.D

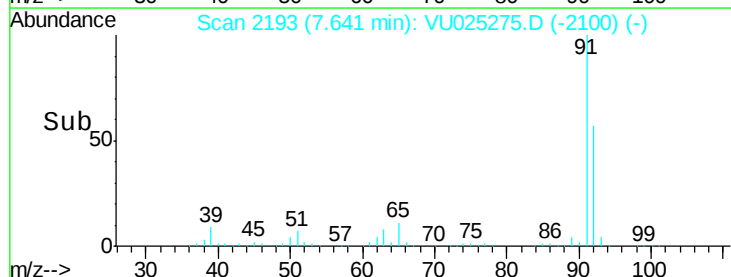
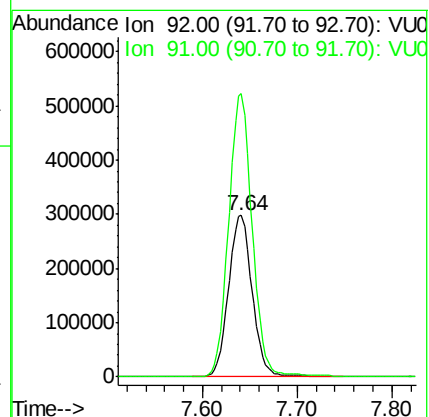
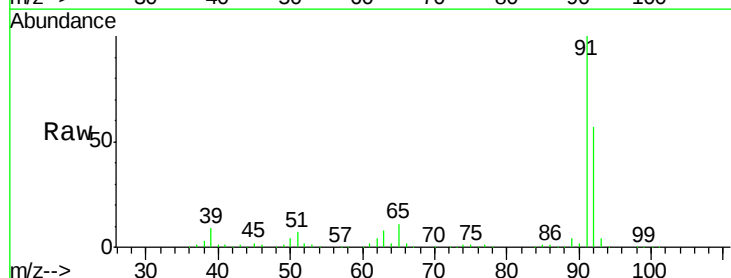
Acq: 09 Jul 2018 15:47

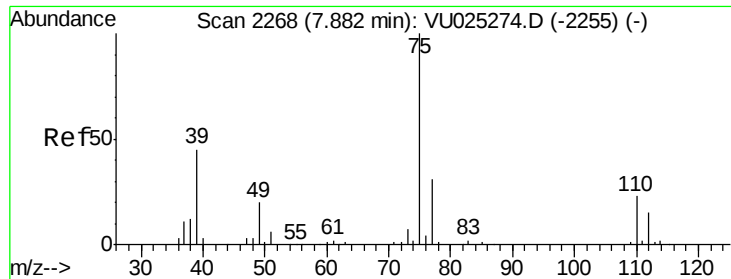
Tgt Ion: 92 Resp: 521465

Ion Ratio Lower Upper

92 100

91 174.5 139.2 208.8





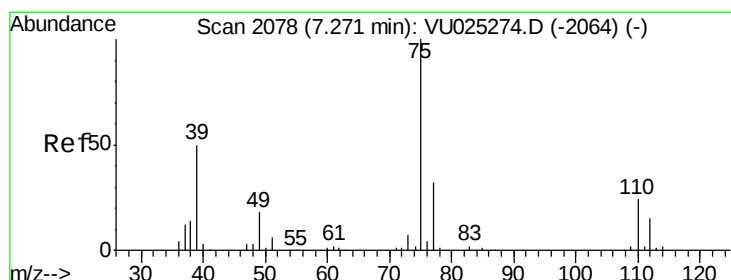
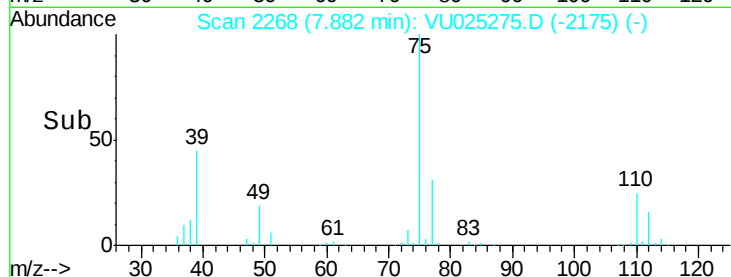
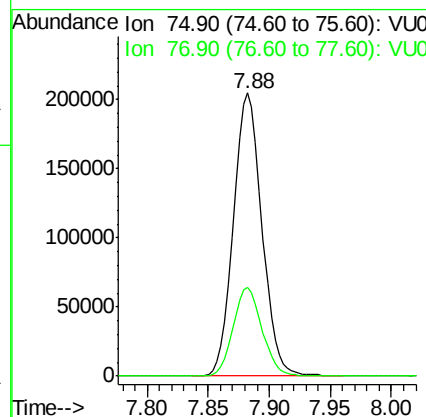
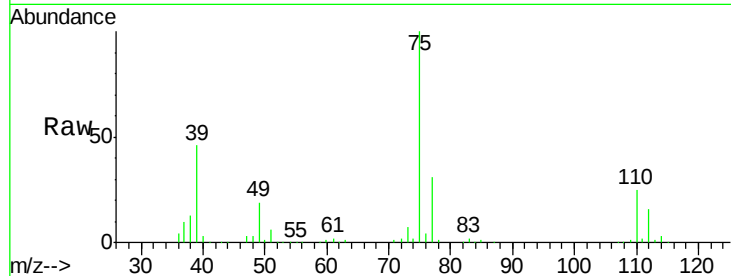
#53
t-1,3-Dichloropropene
Concen: 113.59 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 334799
Ion Ratio Lower Upper
75 100
77 31.2 24.5 36.7

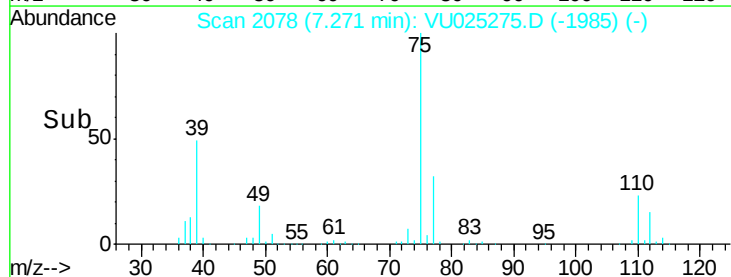
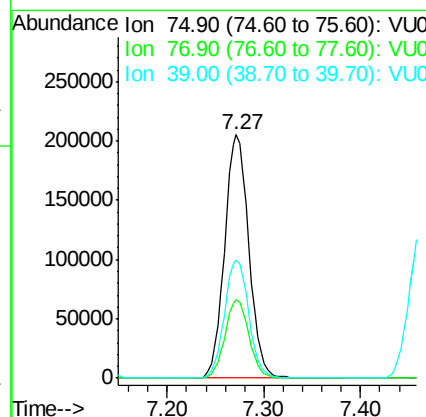
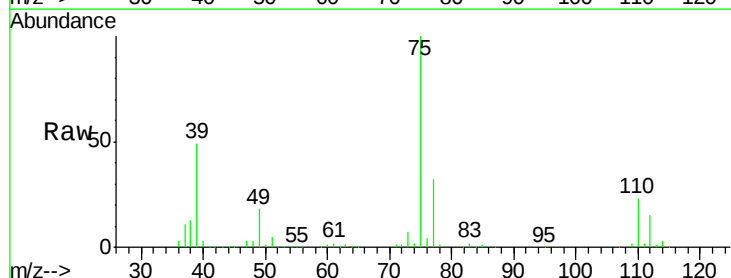
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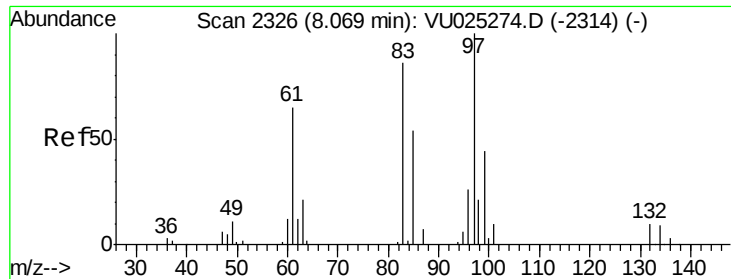
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 113.50 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion: 75 Resp: 356066
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4
39 48.6 40.0 60.0





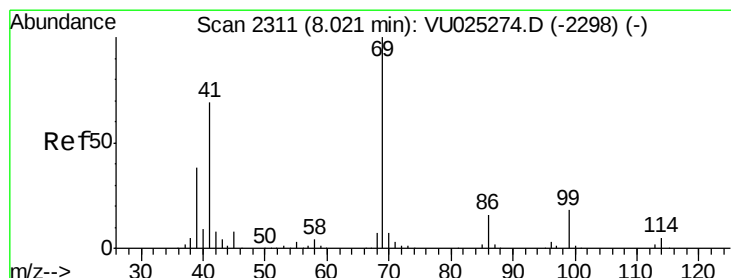
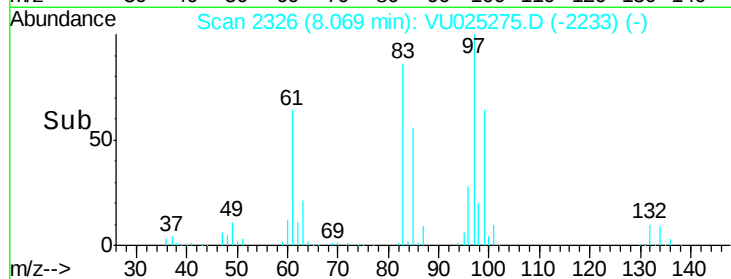
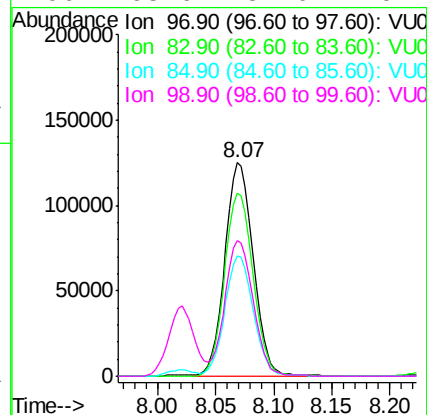
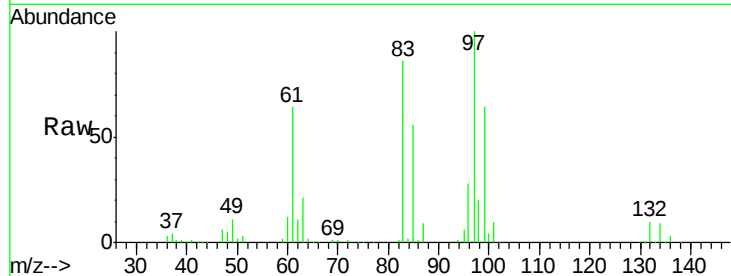
#55
 1,1,2-Trichloroethane
 Concen: 105.12 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	211037
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.9	103.3
85	56.2	44.4	66.6
99	63.6	51.0	76.4

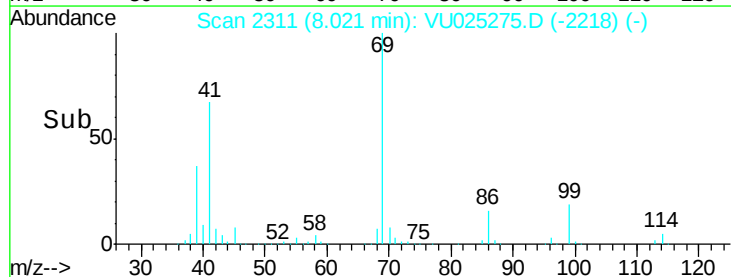
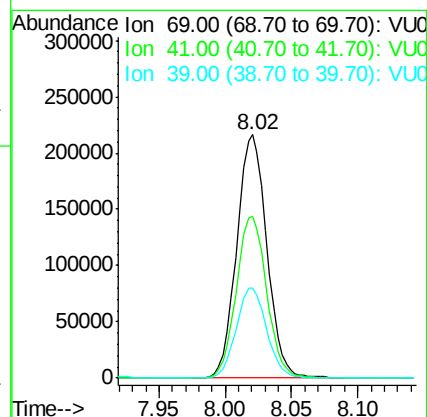
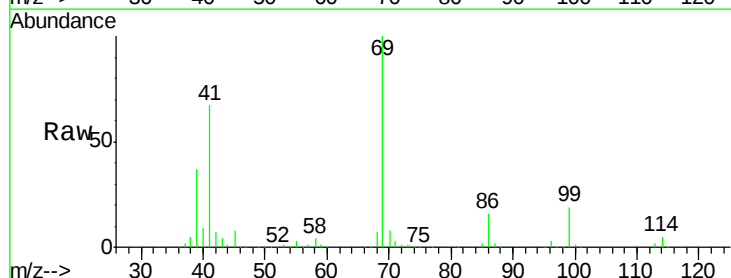
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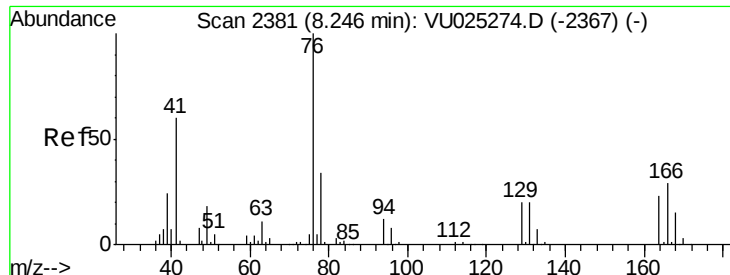
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#56
 Ethyl methacrylate
 Concen: 108.92 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Tgt Ion:	69	Resp:	341524
Ion	Ratio	Lower	Upper
69	100		
41	67.0	54.8	82.2
39	37.3	31.1	46.7





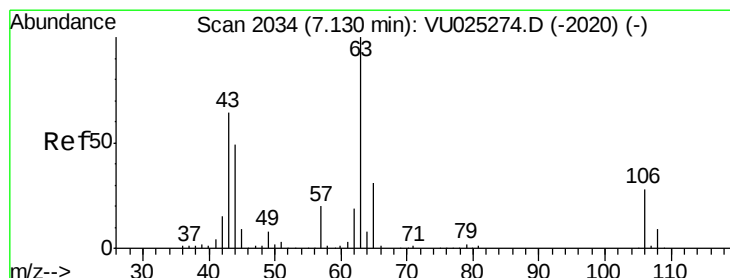
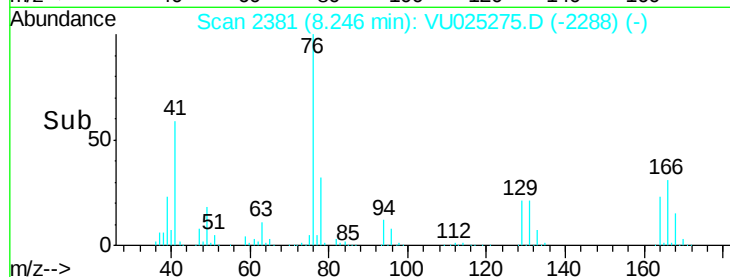
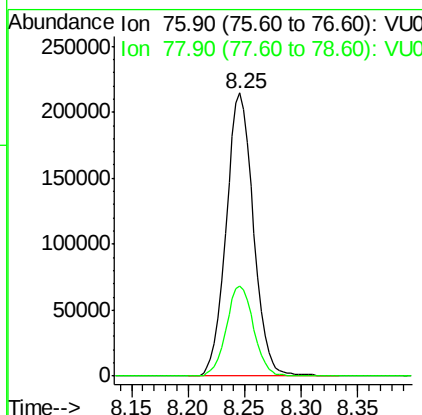
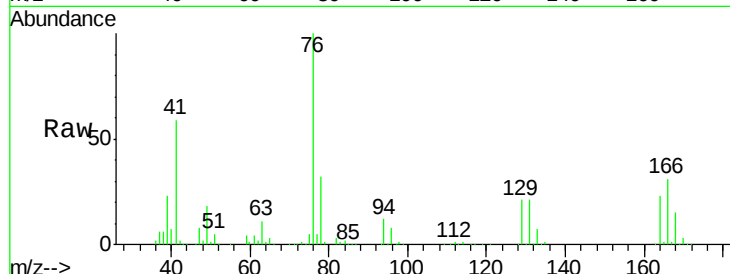
#57
 1,3-Dichloropropane
 Concen: 107.80 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 359247
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1

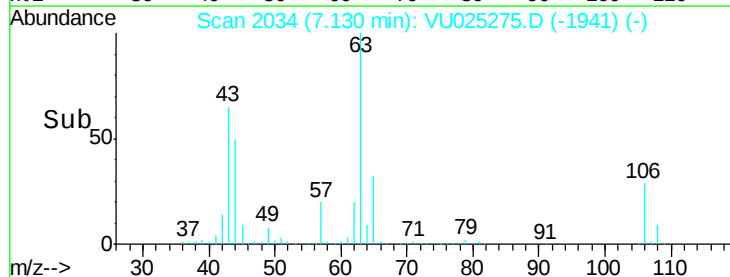
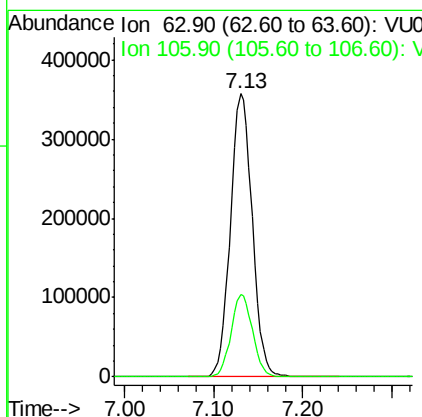
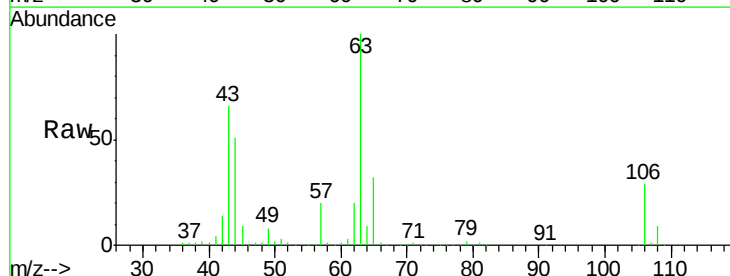
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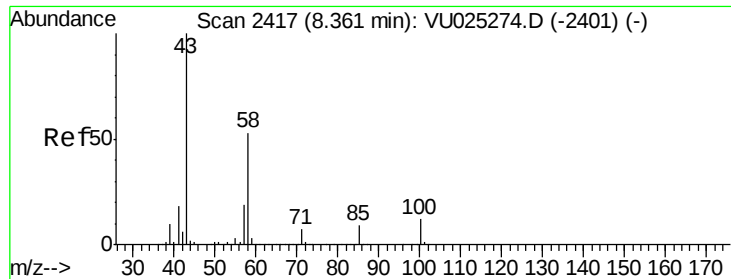
MMDadoda
 7/10/2018 2:33:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 547.56 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Tgt Ion: 63 Resp: 605845
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.3 33.5





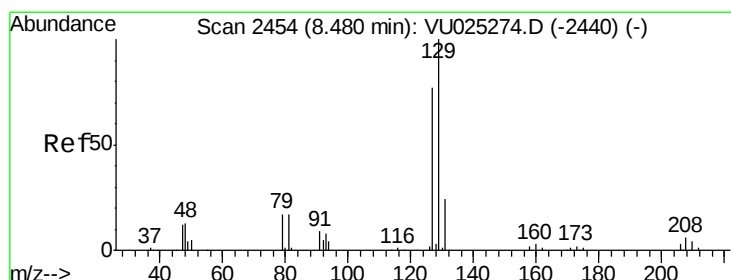
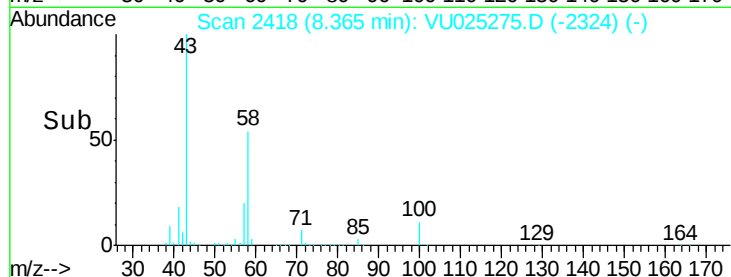
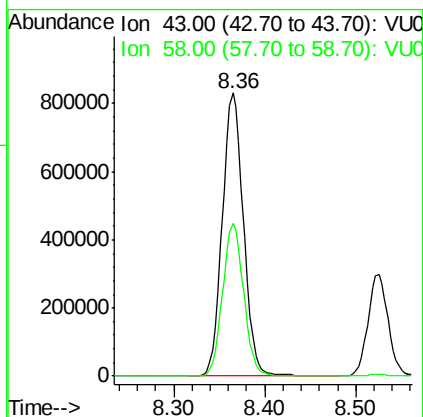
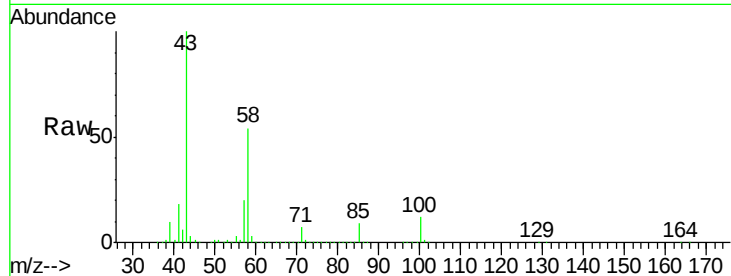
#59
2-Hexanone
Concen: 542.62 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1343168
Ion Ratio Lower Upper
43 100
58 53.8 26.2 78.5

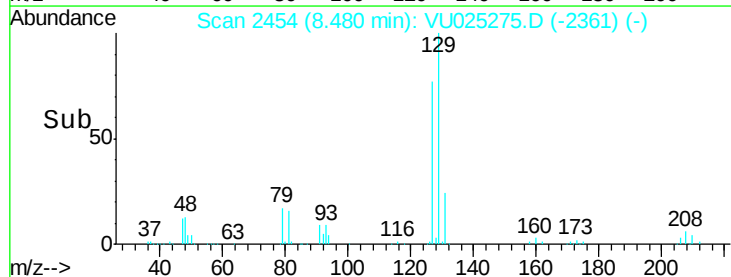
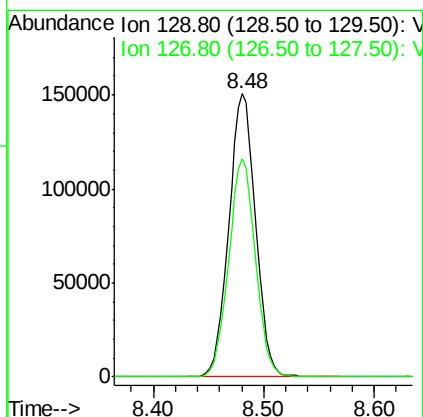
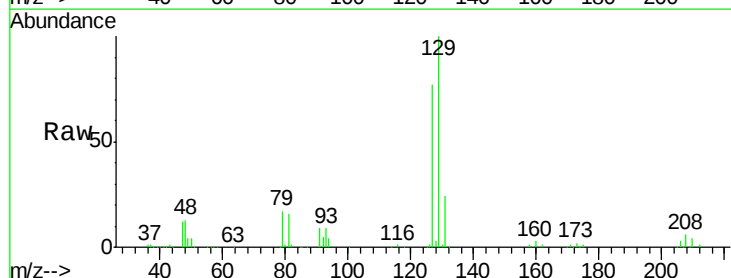
Manual Integrations
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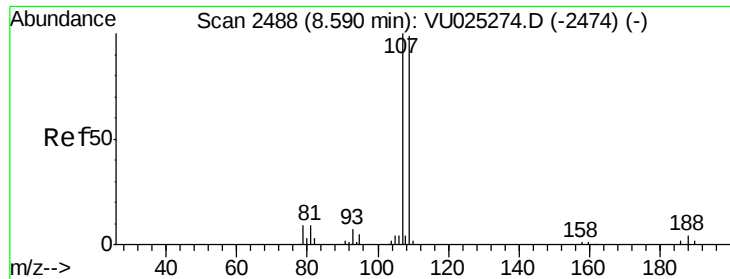
MMDadoda
7/10/2018 2:33:48 PM



#60
Dibromochloromethane
Concen: 116.63 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion: 129 Resp: 252862
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 108.93 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 233976

Ion Ratio Lower Upper

107 100

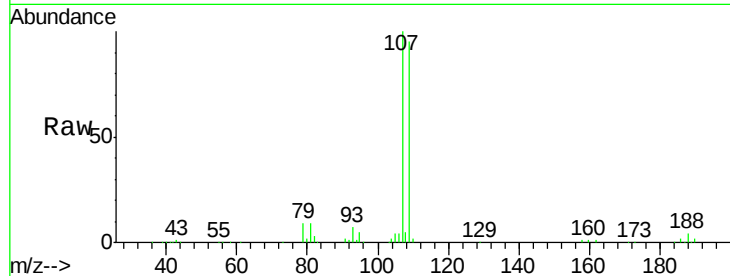
109 95.5 75.8 113.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

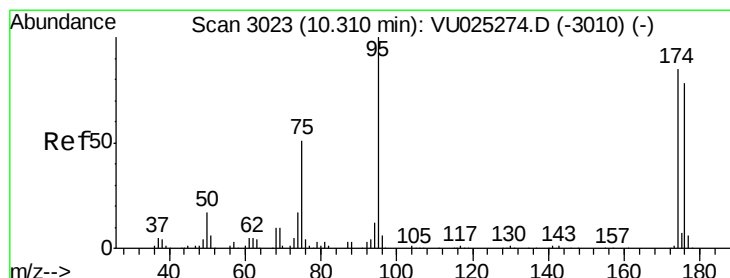
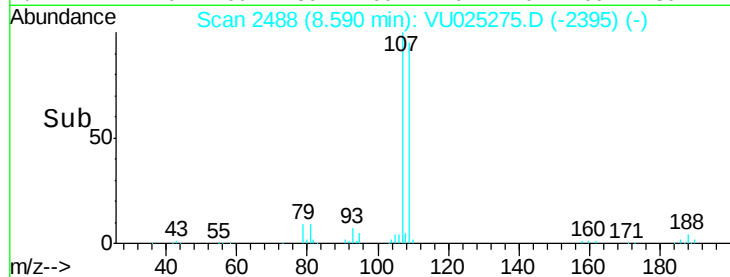
150000

100000

50000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 103.54 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

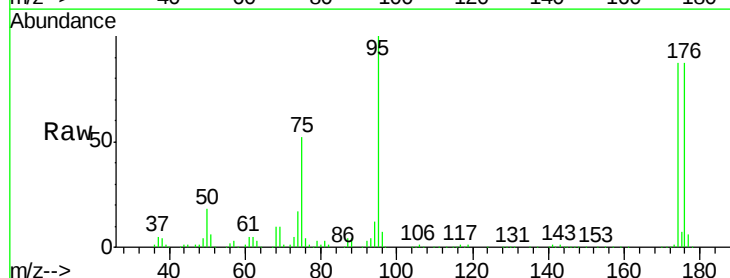
Tgt Ion: 95 Resp: 284769

Ion Ratio Lower Upper

95 100

174 86.6 0.0 172.2

176 84.9 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

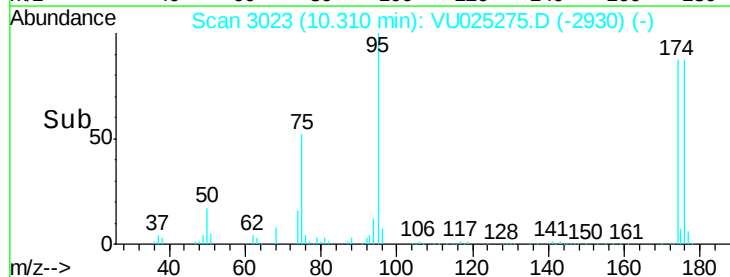
150000

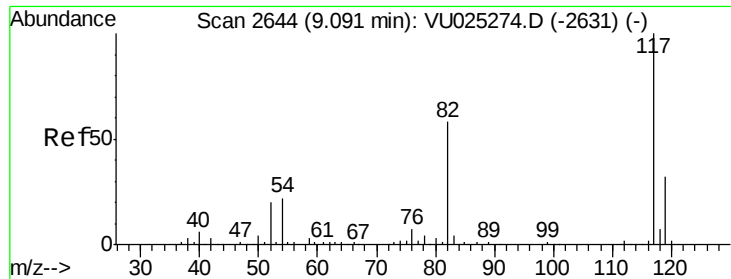
100000

50000

0

Time--> 10.30 10.40





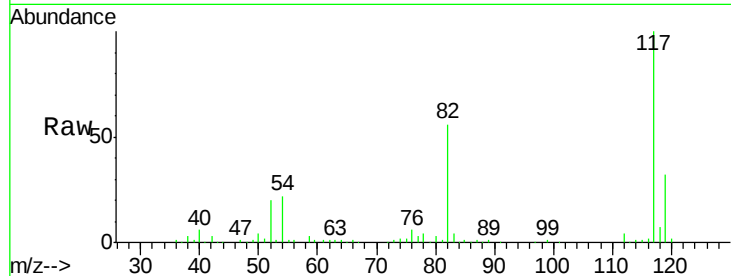
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

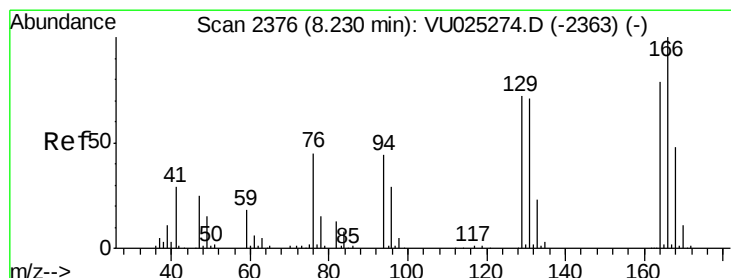
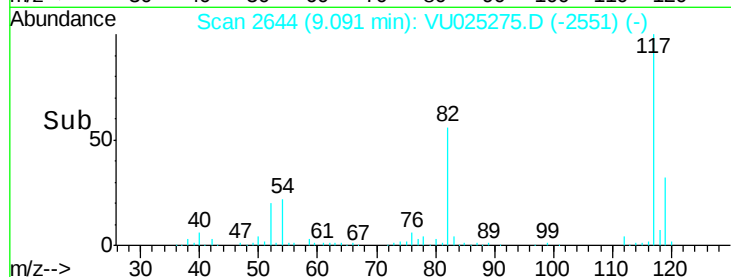
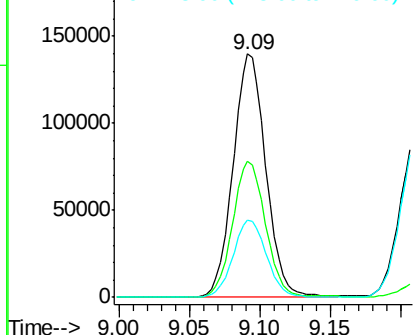
Tot Ion	Ratio	Resp	Lower	Upper
117	100	227541		
82	55.9	46.0	69.0	
119	31.7	26.0	39.0	

Manual Integrations
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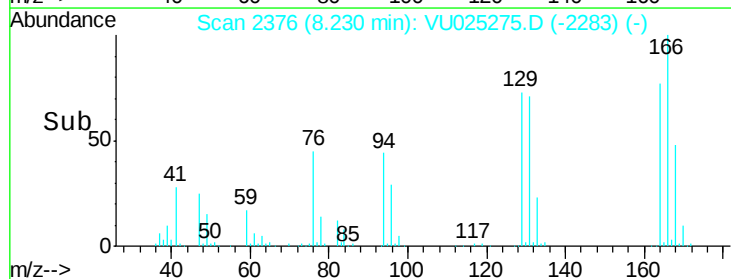
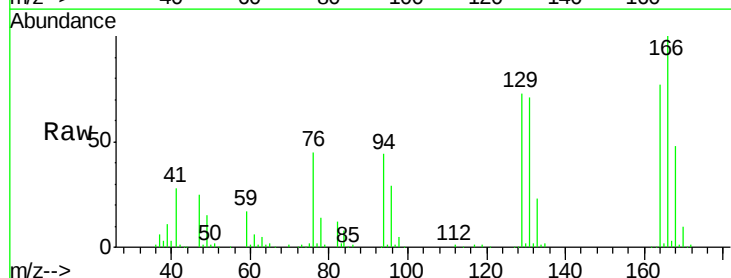
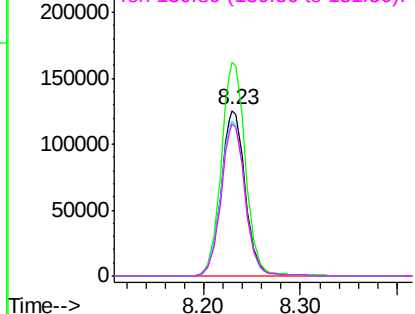
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

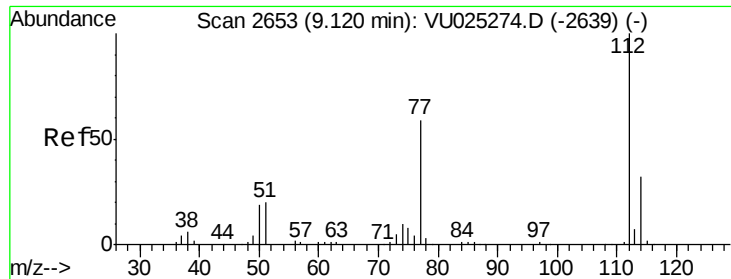


#64
Tetrachloroethene
Concen: 104.08 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	215871		
166	129.1	101.1	151.7	
129	94.0	73.0	109.6	
131	91.9	72.1	108.1	

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 105.41 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 599166

Ion Ratio Lower Upper

112 100

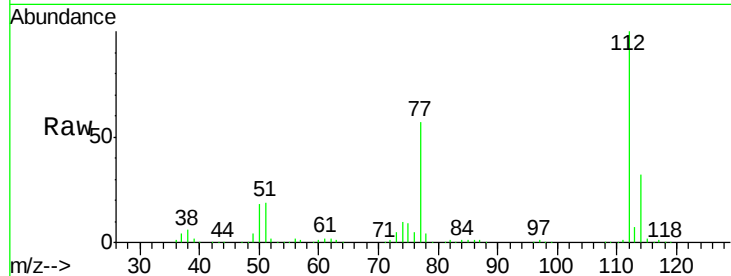
114 32.1 25.8 38.8

Manual Integrations

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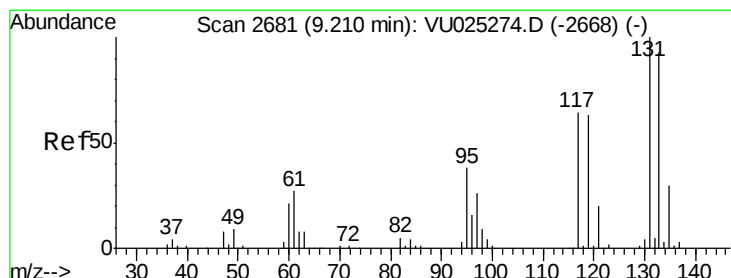
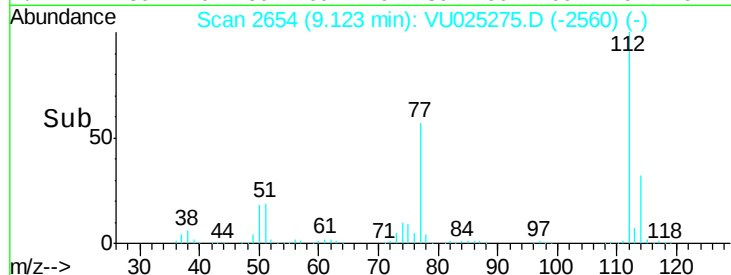
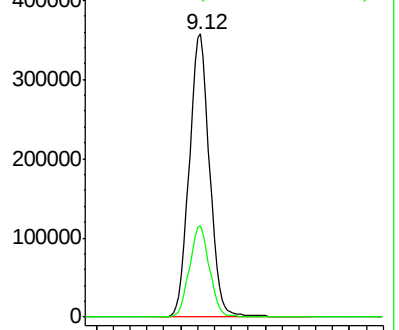
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 109.90 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

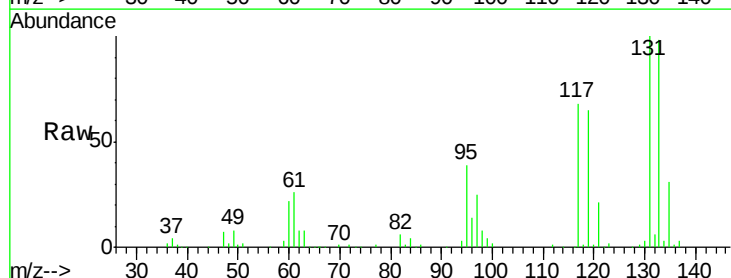
Tgt Ion:131 Resp: 223470

Ion Ratio Lower Upper

131 100

133 97.3 47.8 143.3

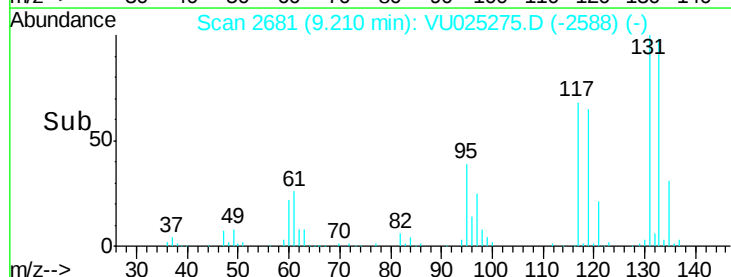
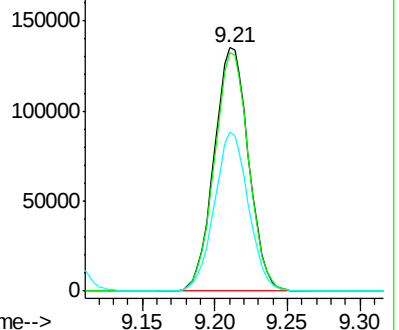
119 64.5 31.6 95.0

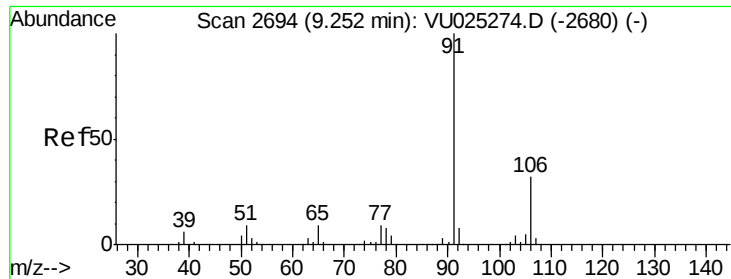


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





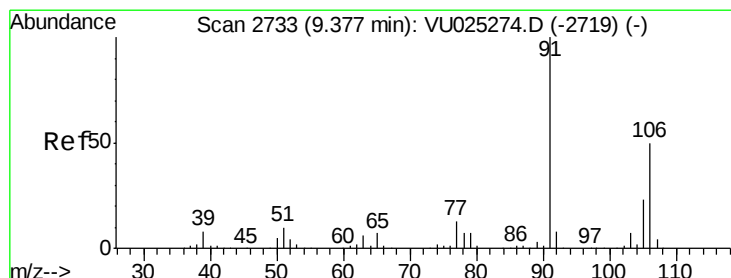
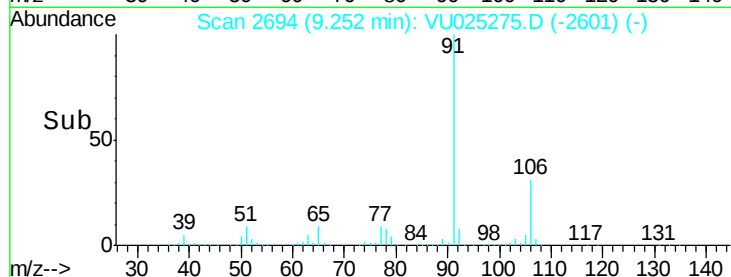
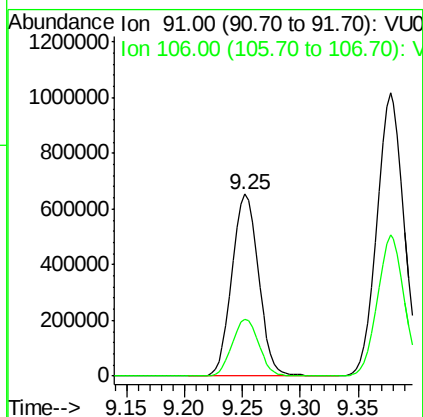
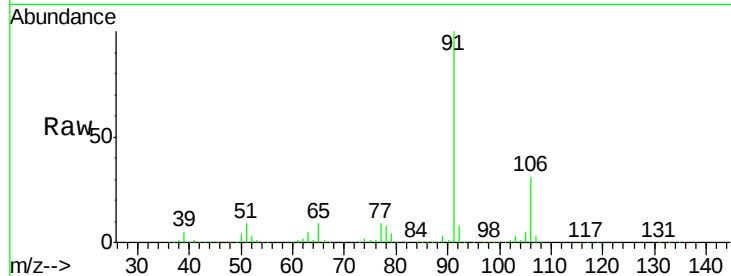
#67
Ethyl Benzene
Concen: 107.47 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1041496
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9

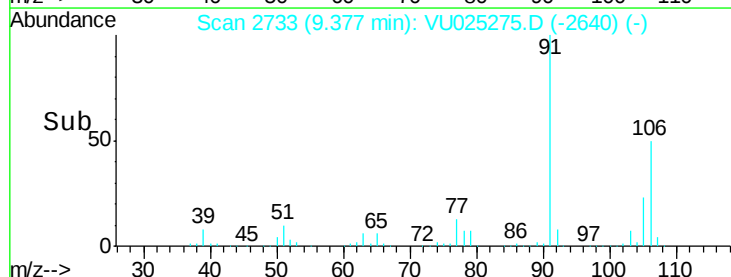
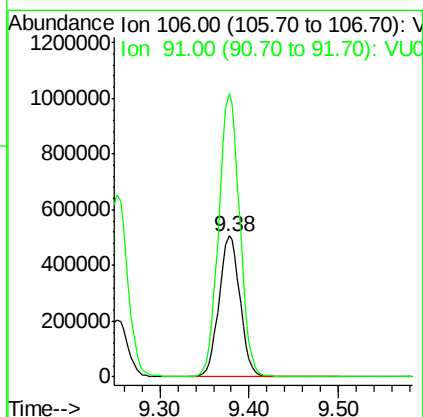
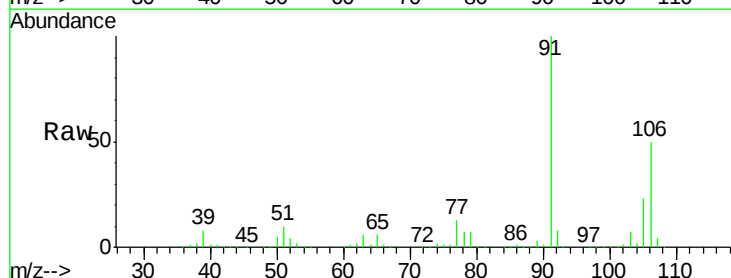
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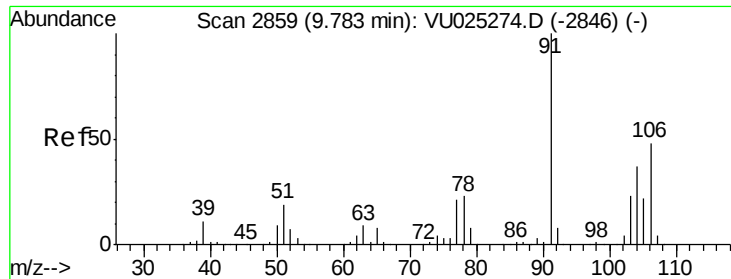
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#68
m/p-Xylenes
Concen: 220.66 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion: 106 Resp: 826702
Ion Ratio Lower Upper
106 100
91 201.1 162.3 243.5





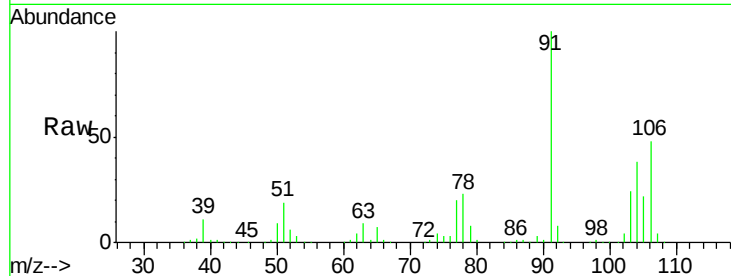
#69
o-Xylene
Concen: 107.15 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

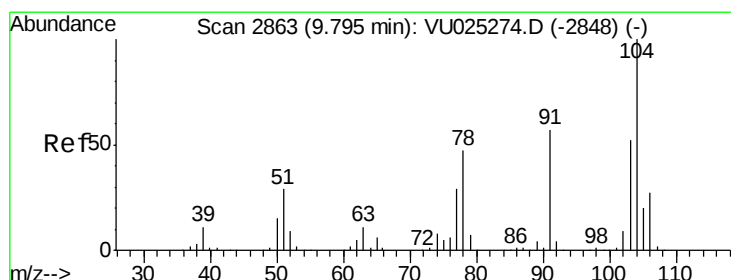
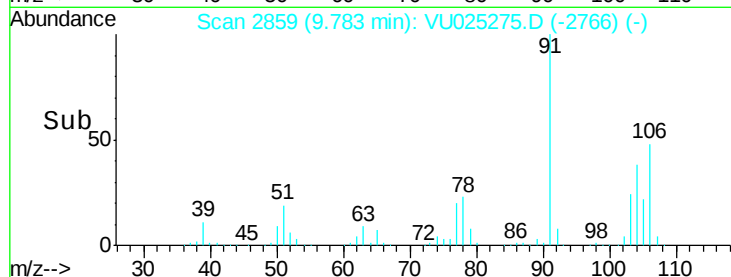
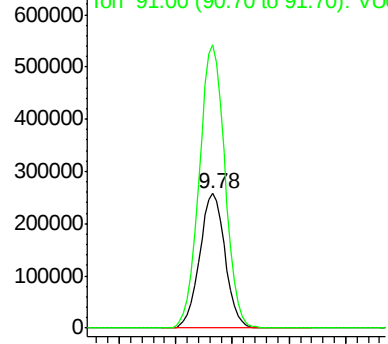
Tot Ion:106 Resp: 401923
Ion Ratio Lower Upper
106 100
91 213.2 105.3 315.8

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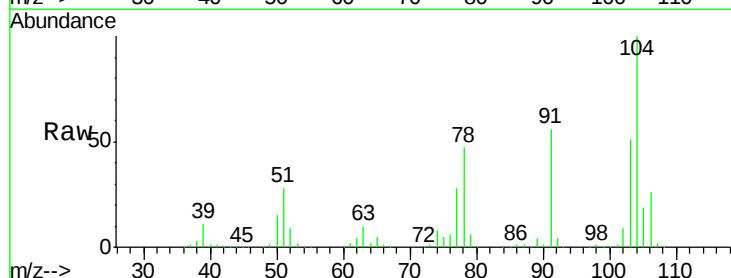


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

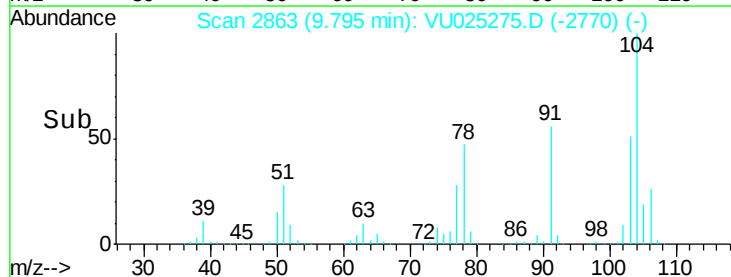
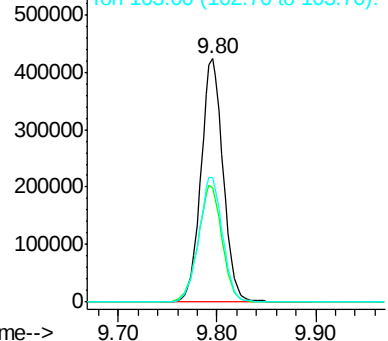


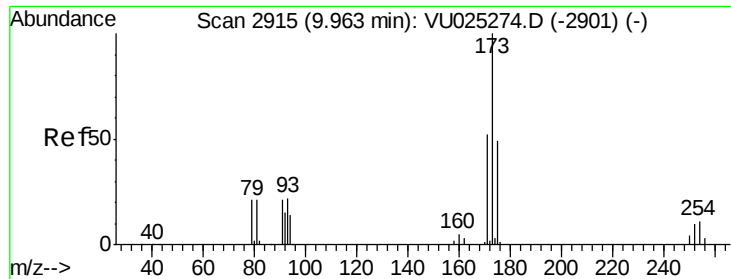
#70
Styrene
Concen: 111.98 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion:104 Resp: 667154
Ion Ratio Lower Upper
104 100
78 51.7 41.6 62.4
103 55.1 44.6 66.8



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





#71

Bromoform

Concen: 115.68 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

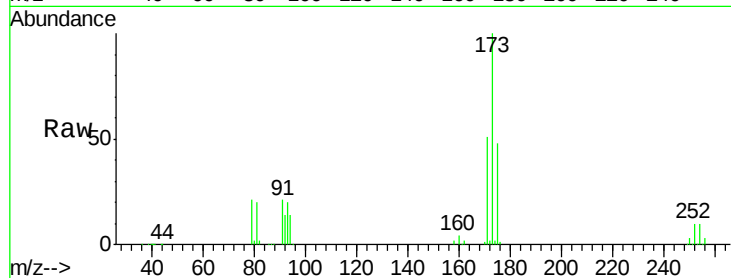
ClientSampleId :

VSTDIC100

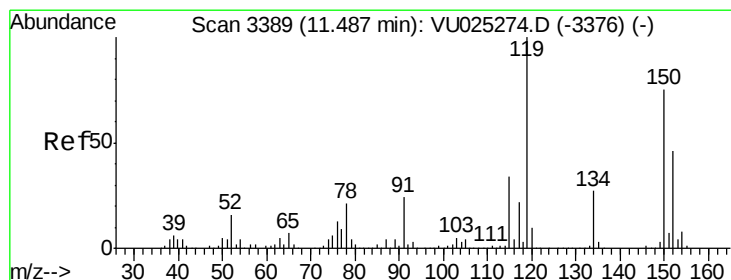
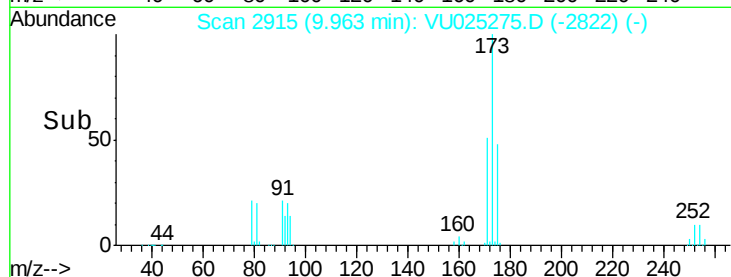
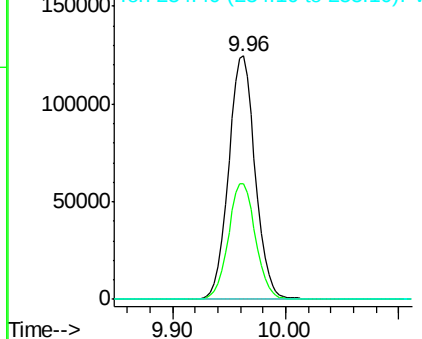
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.0	72.0
254	0.1	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

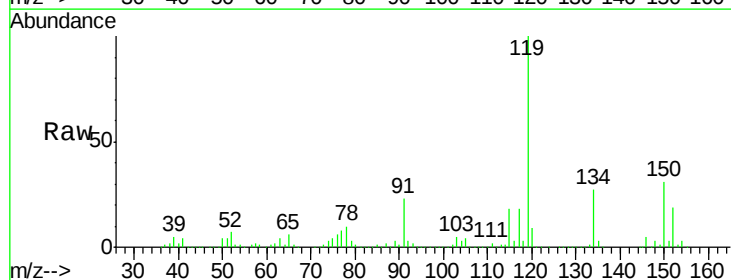
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

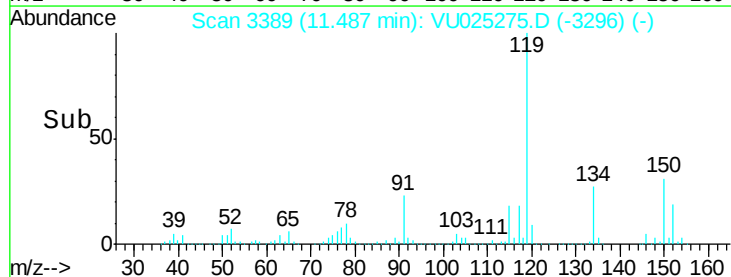
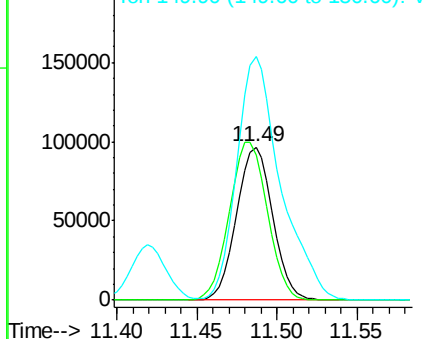
Lab File: VU025275.D

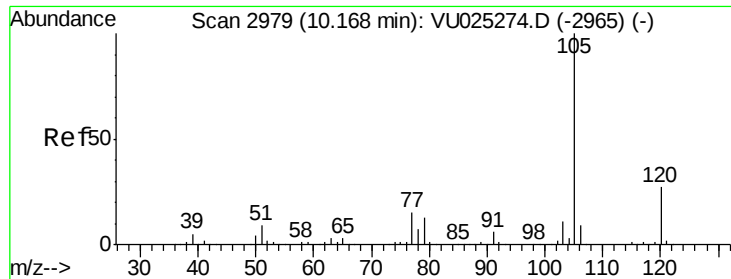
Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	109.1	40.1	120.3
150	194.8	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: 96.26 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1088062

Ion Ratio Lower Upper

105 100

120 26.9

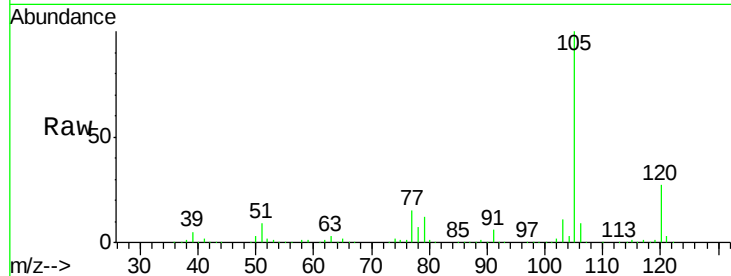
13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

800000

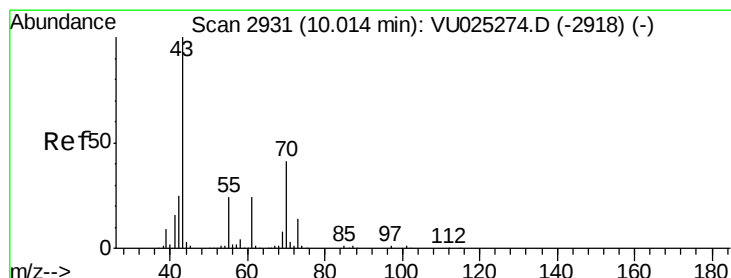
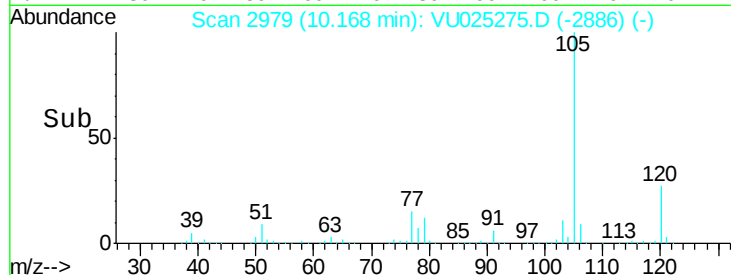
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 99.30 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Tgt Ion: 43 Resp: 487272

Ion Ratio Lower Upper

43 100

70 41.5

55 23.5

61 24.0

33.4 50.2

19.0 28.6

19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

500000

400000

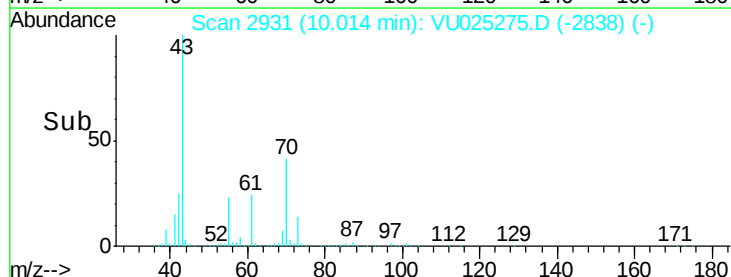
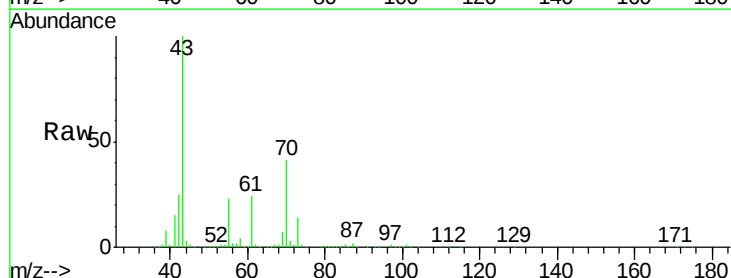
300000

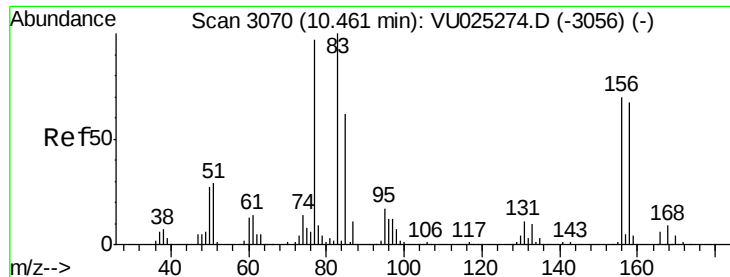
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 98.48 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 364181

Ion Ratio Lower Upper

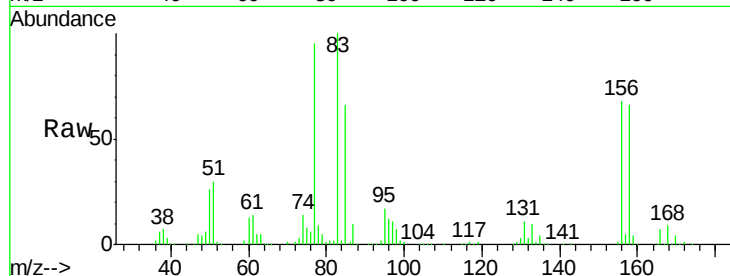
83 100

131 11.0 5.5 16.4

85 65.7 31.6 94.8

Manual Integrations
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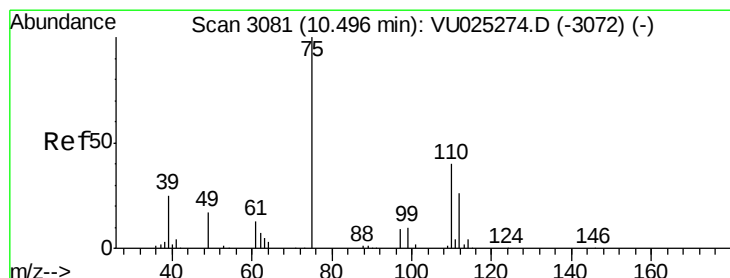
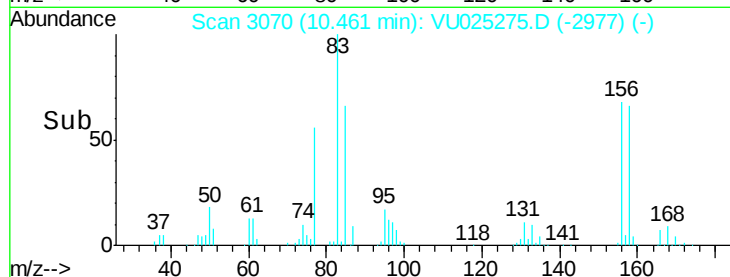
Abundance Ion 82.90 (82.60 to 83.60): VU025275.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025275.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025275.D (-2977) (-)

10.46

Time-->



#76

1,2,3-Trichloropropane

Concen: 91.96 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025275.D

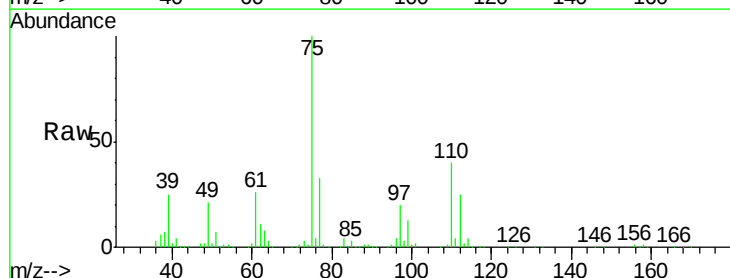
Acq: 09 Jul 2018 15:47

Tgt Ion: 75 Resp: 306875

Ion Ratio Lower Upper

75 100

77 43.6 20.4 61.3

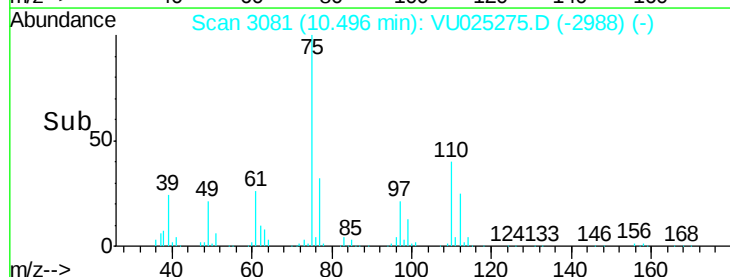


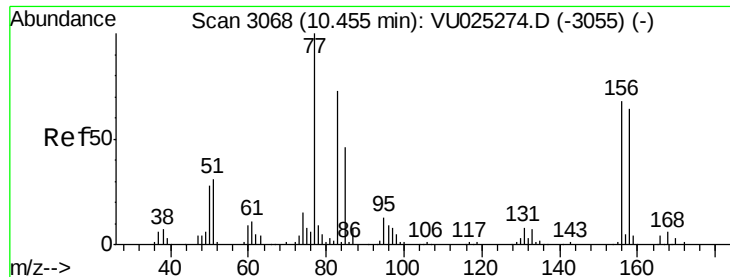
Abundance Ion 74.90 (74.60 to 75.60): VU025275.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025275.D (-2988) (-)

10.50

Time-->





#77

Bromobenzene

Concen: 98.77 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

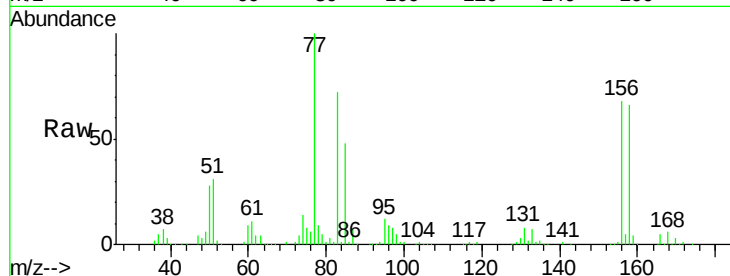
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	285623
Ion Ratio	Lower	Upper	
156	100		
77	145.9	73.8	221.4
158	96.5	48.0	144.0

Manual Integrations
APPROVED

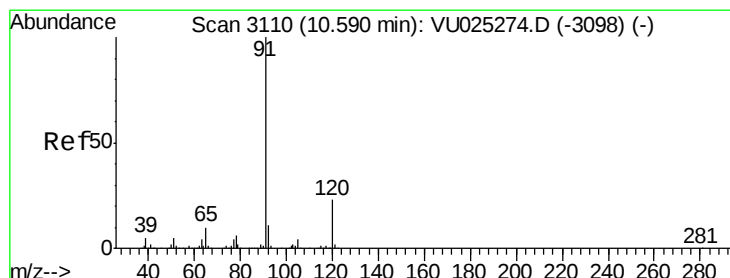
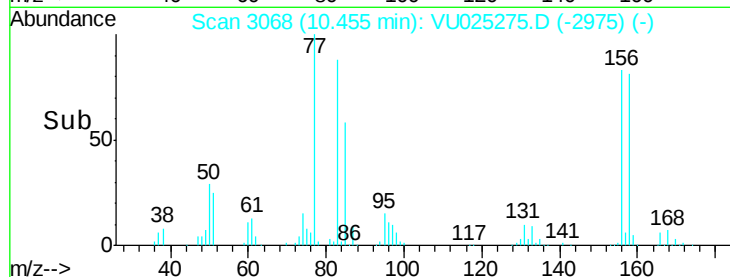
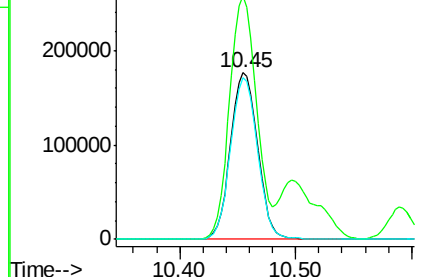
MMDadoda
7/10/2018 2:33:48 PM



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: 101.60 ug/l

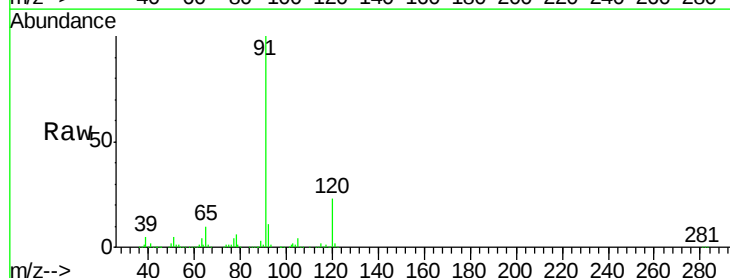
RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025275.D

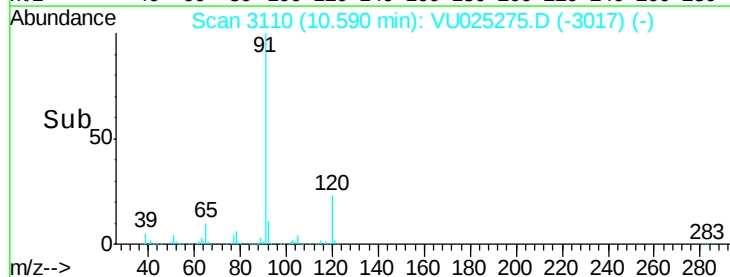
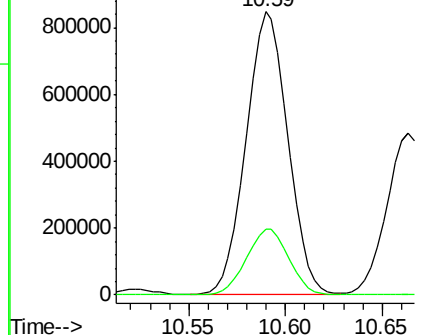
Acq: 09 Jul 2018 15:47

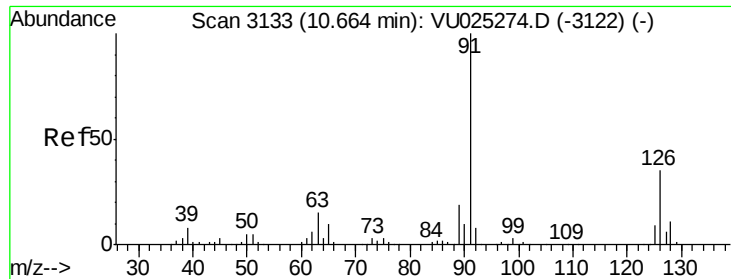
Tgt Ion:	91	Resp:	1274321
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 95.41 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 748944

Ion Ratio Lower Upper

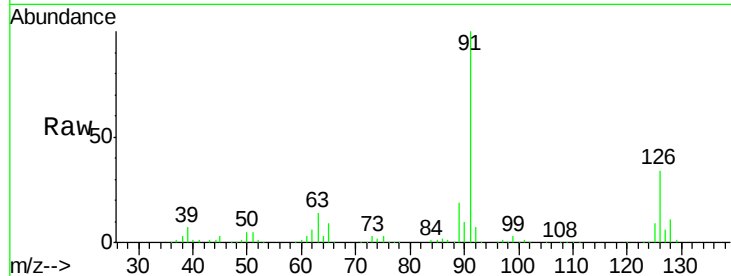
91 100

126 34.7 17.5 52.6

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

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

1000000

800000

600000

400000

200000

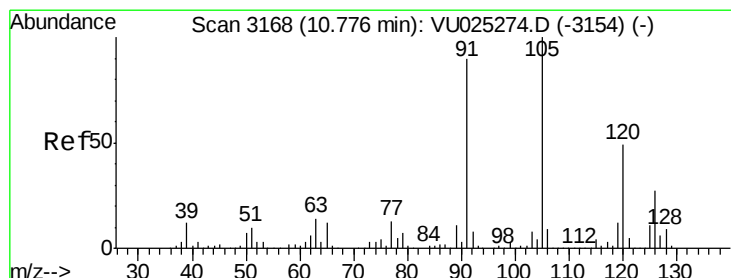
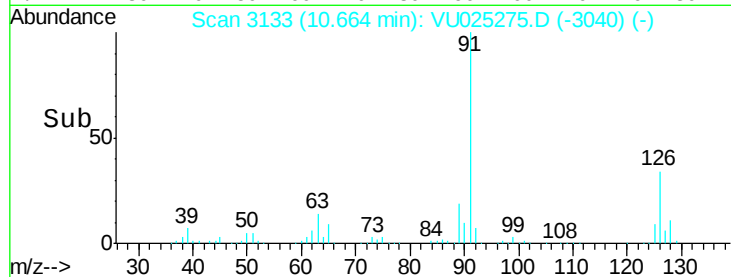
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 100.05 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025275.D

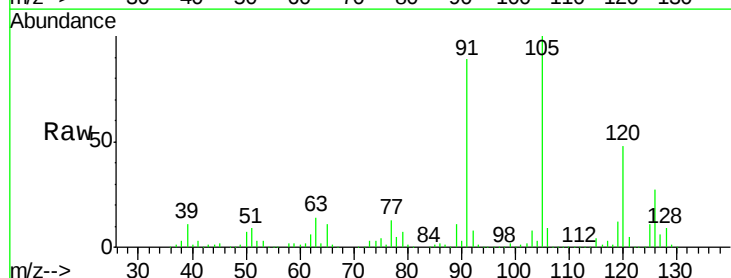
Acq: 09 Jul 2018 15:47

Tgt Ion: 105 Resp: 951588

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2



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

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

600000

400000

200000

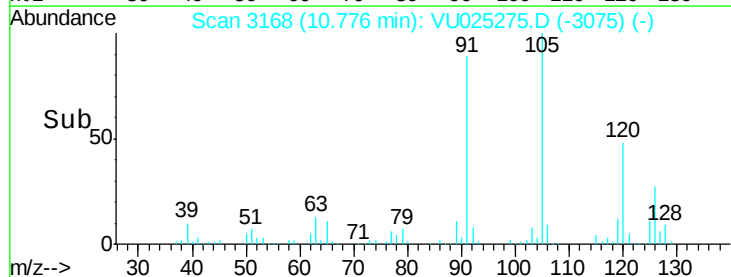
0

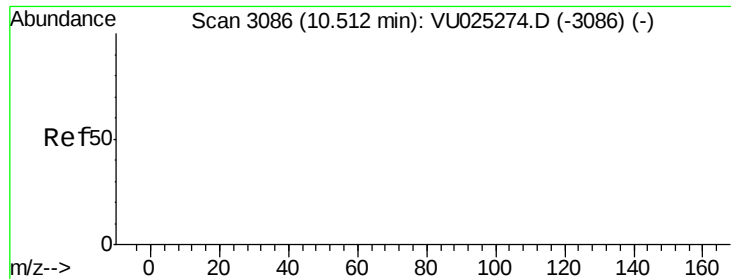
10.70

10.80

10.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 108.80 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU025275.D

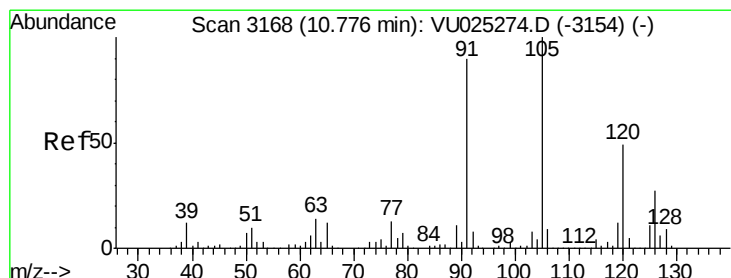
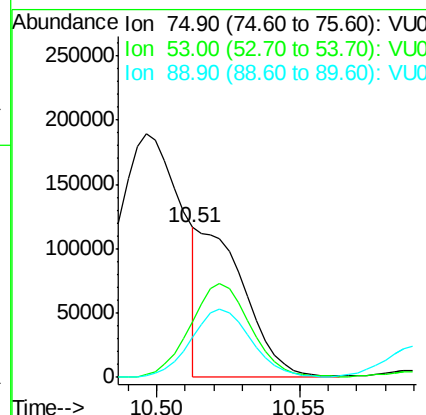
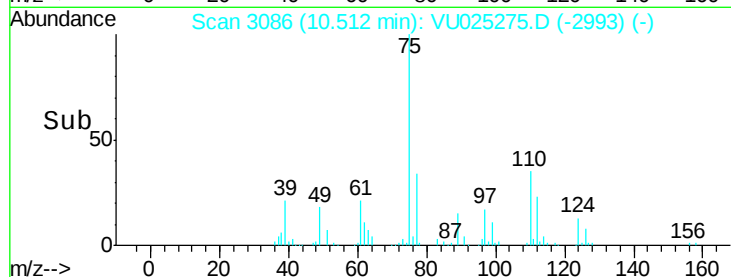
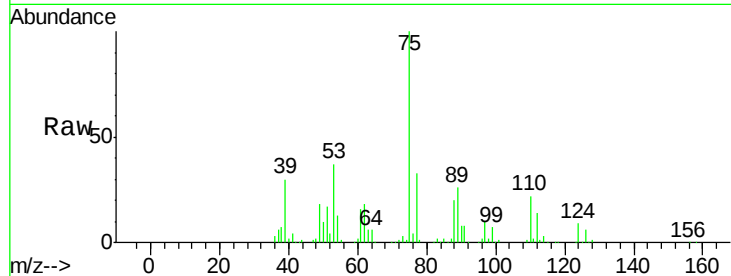
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 98.75 ug/l

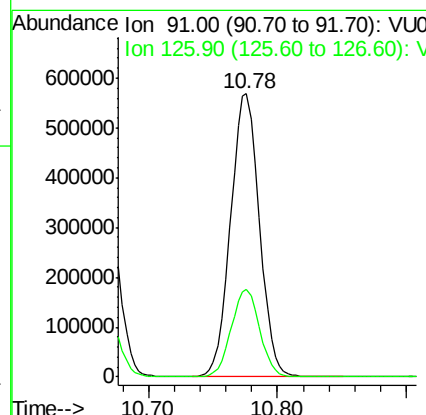
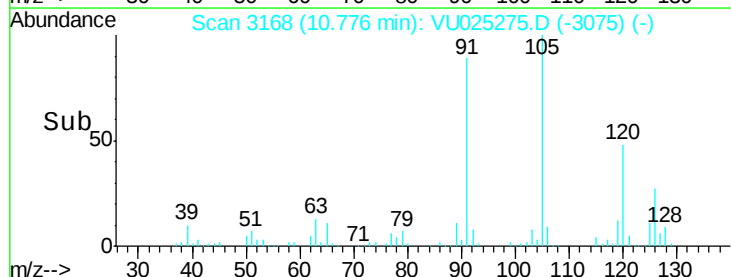
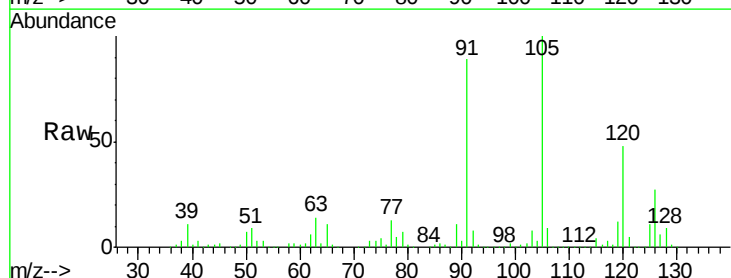
RT: 10.78 min Scan# 3168

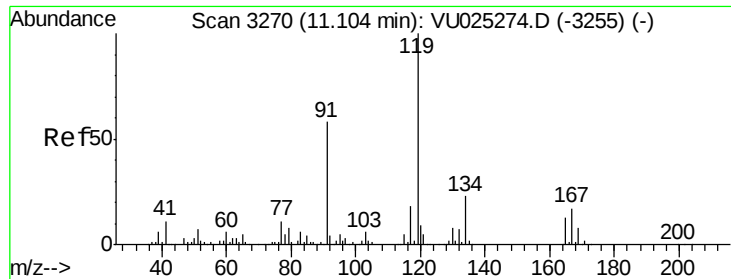
Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.3	45.9





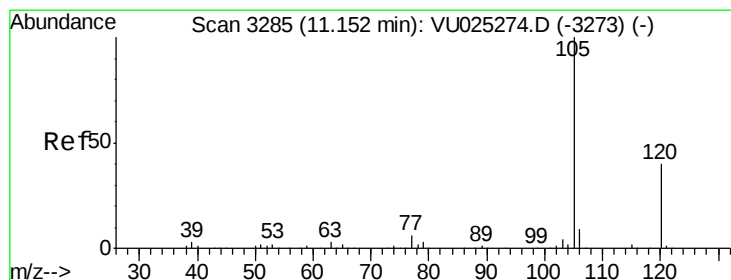
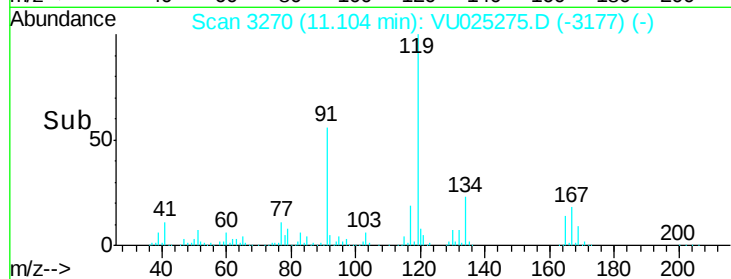
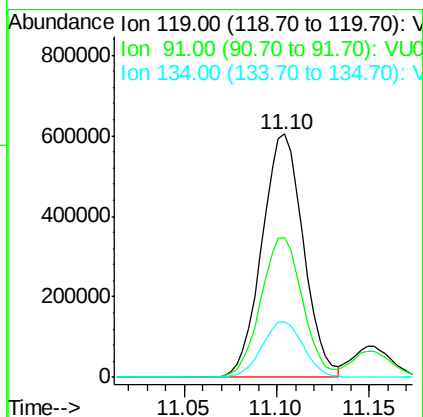
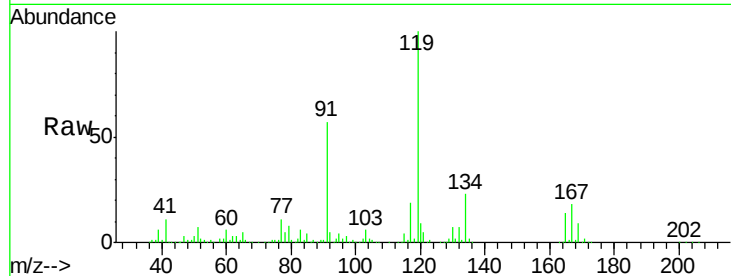
#83
tert-Butylbenzene
Concen: 98.00 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.6	29.7	89.1
134	23.0	11.5	34.5

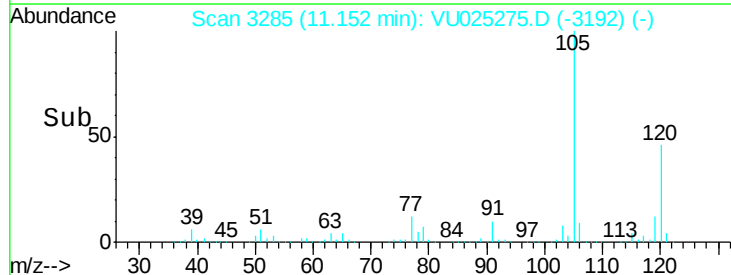
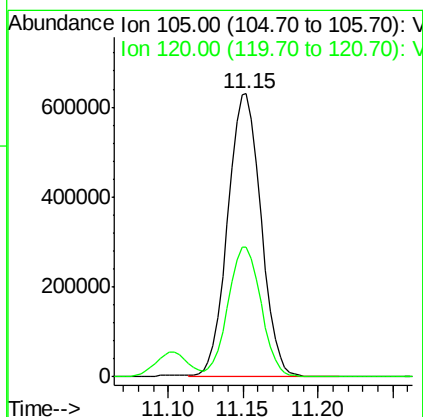
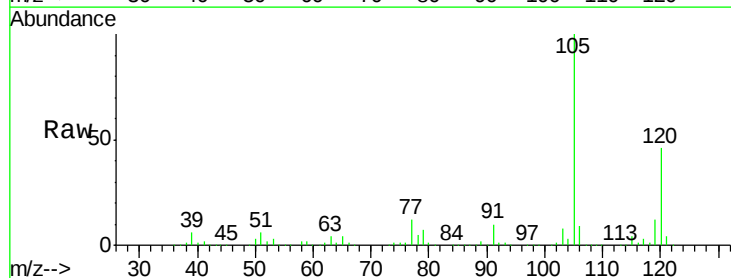
Manual Integrations
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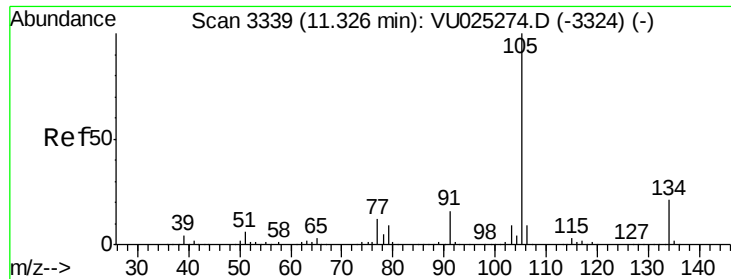
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 100.13 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.3	66.8





#85

sec-Butylbenzene

Concen: 101.80 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1152050

Ion Ratio Lower Upper

105 100

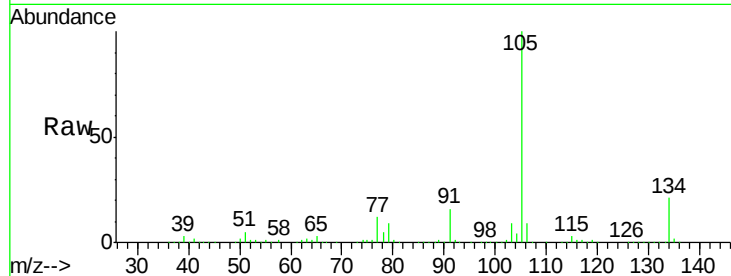
134 20.7 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

800000

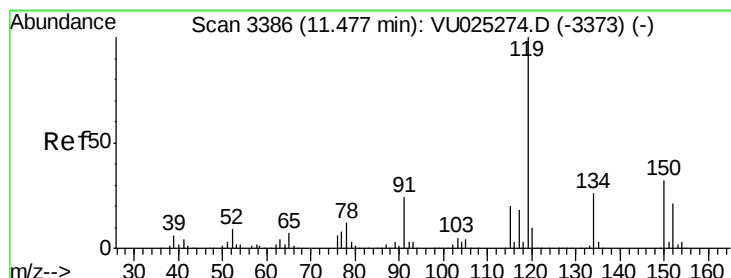
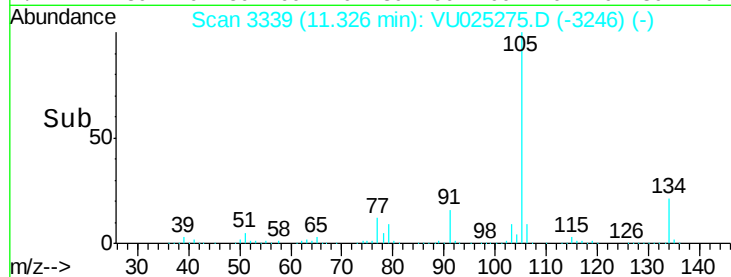
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 103.81 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

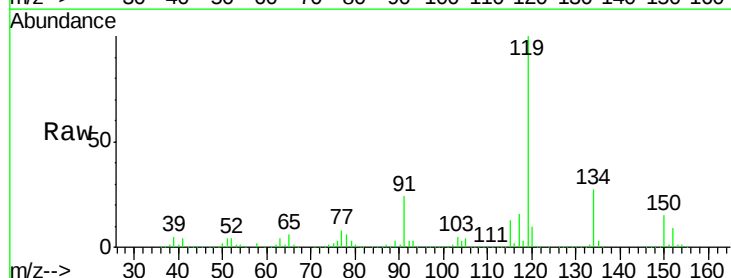
Tgt Ion:119 Resp: 1040176

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

91 23.8 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

800000

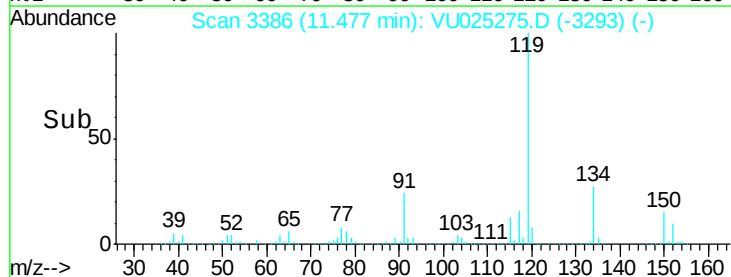
600000

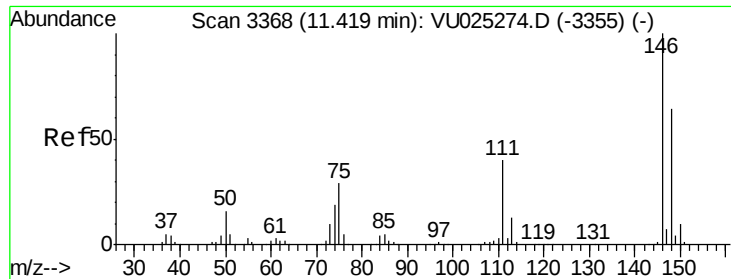
400000

200000

0

Time-->





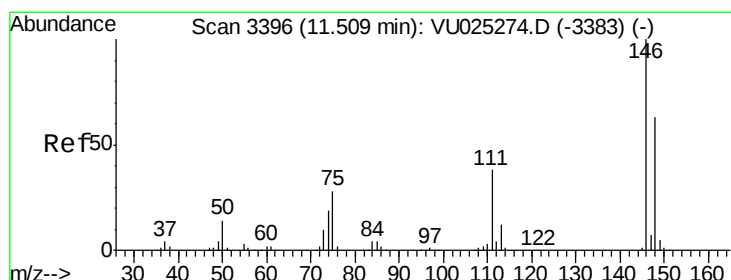
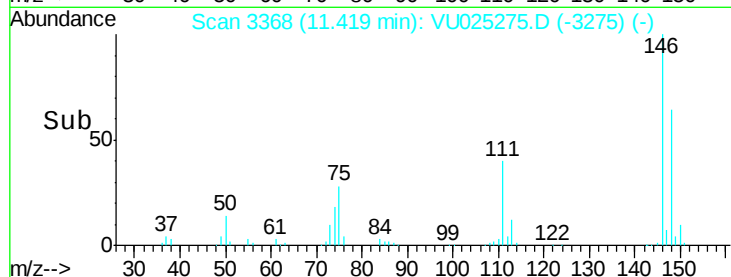
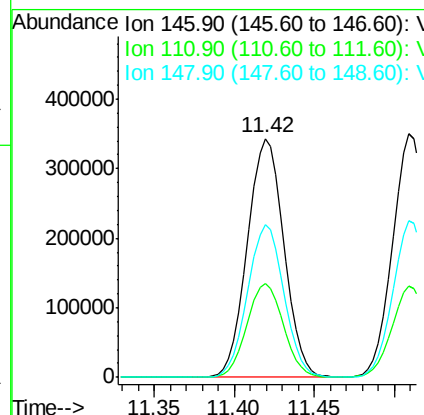
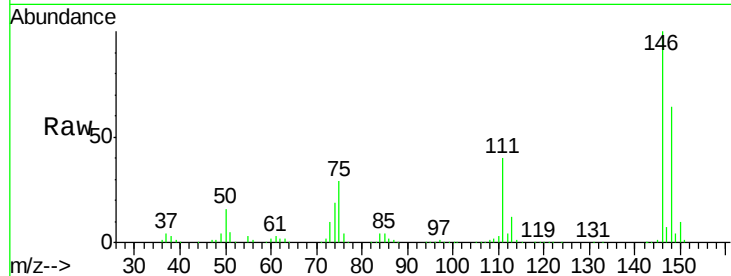
#87
 1,3-Dichlorobenzene
 Concen: 101.21 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.5	32.1	96.3

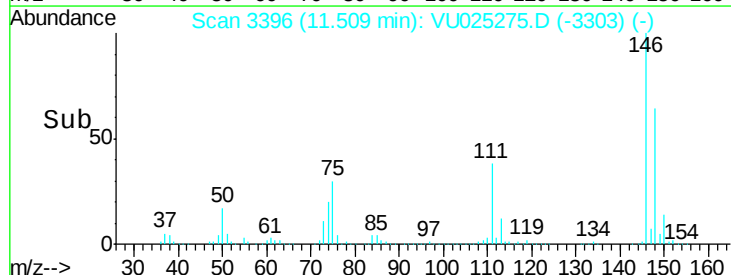
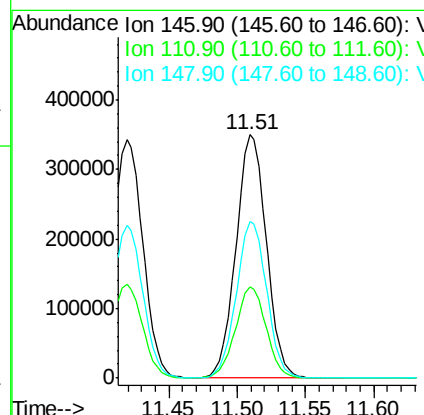
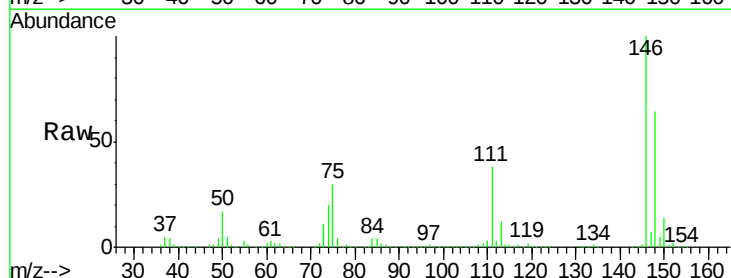
Manual Integrations
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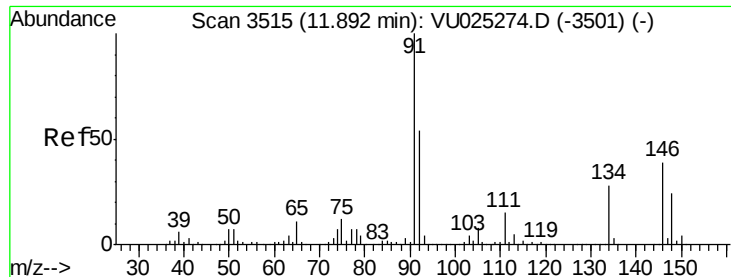
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 99.56 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.4	58.1
148	64.6	31.7	95.1





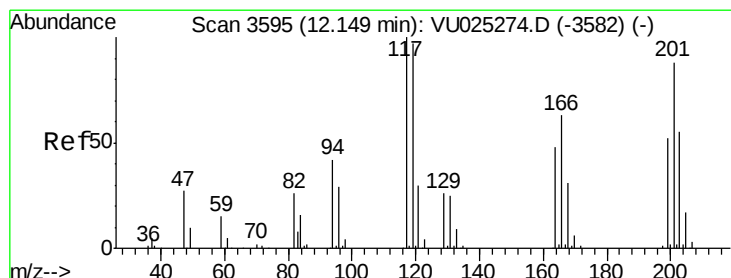
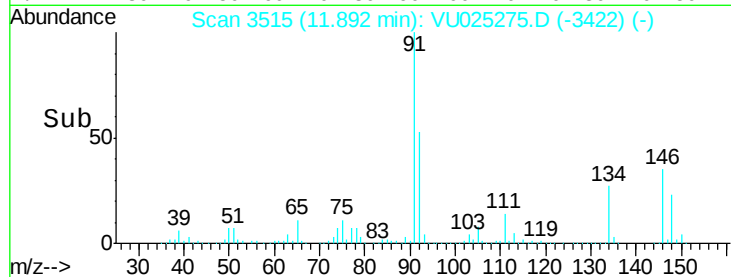
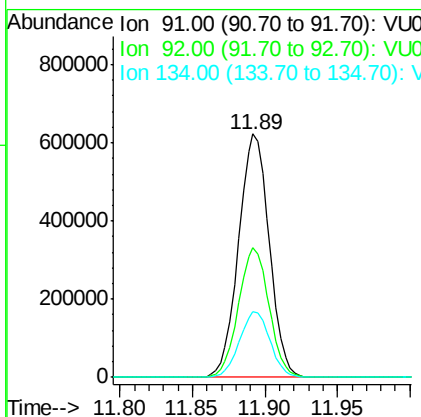
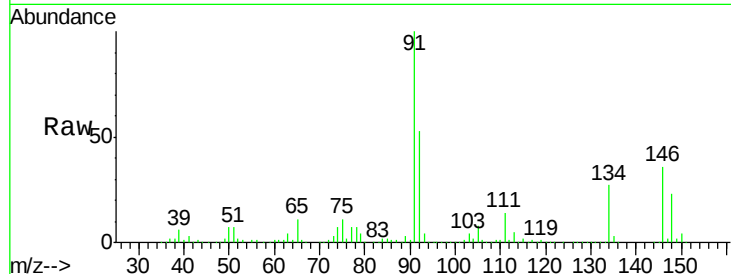
#89
n-Butylbenzene
Concen: 111.08 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	26.9	13.6	40.7

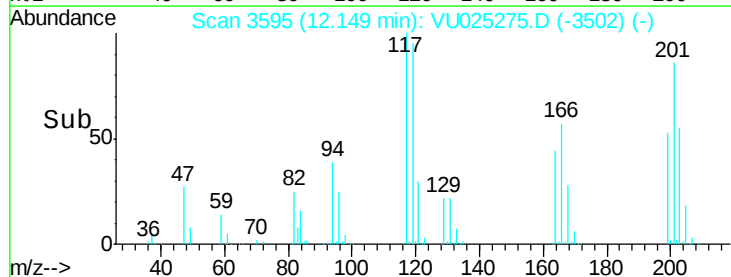
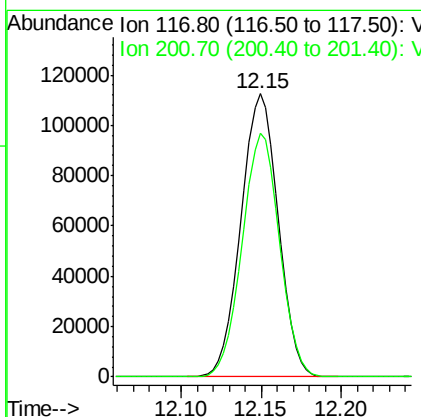
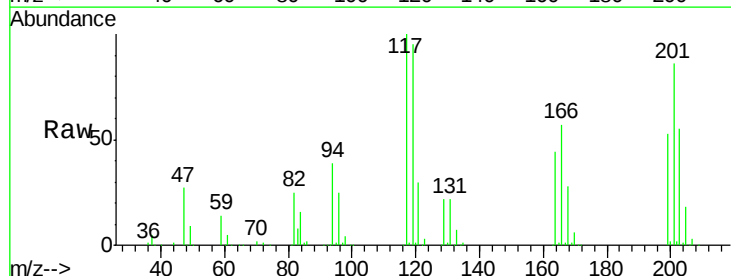
Manual Integrations
APPROVED

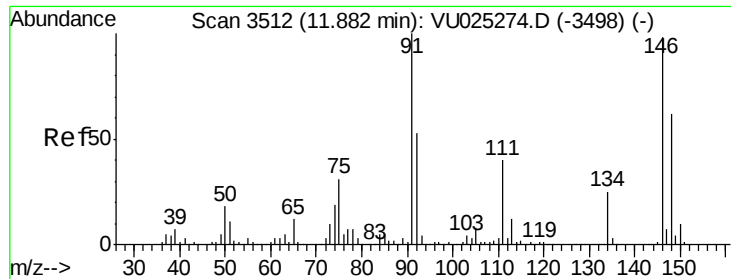
MMDadoda
7/10/2018 2:33:48 PM



#90
Hexachloroethane
Concen: 105.17 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	42.5	127.6





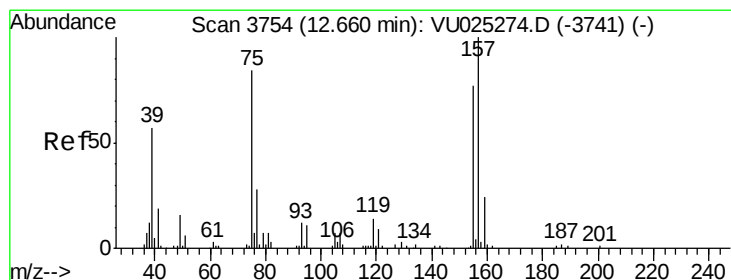
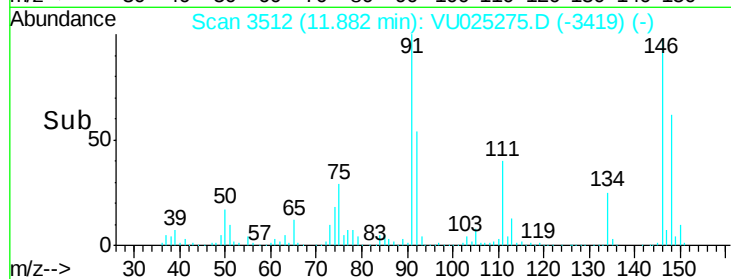
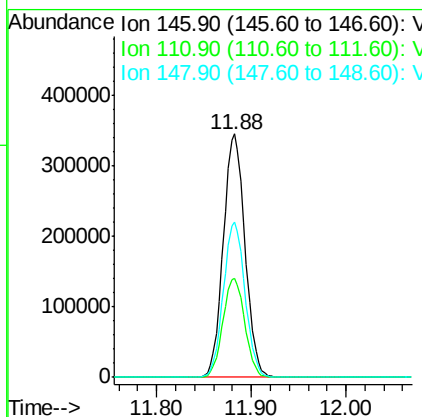
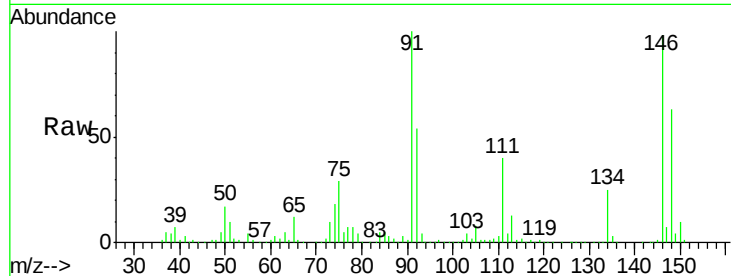
#91
1,2-Dichlorobenzene
Concen: 103.10 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.8
148	63.5	31.5	94.5

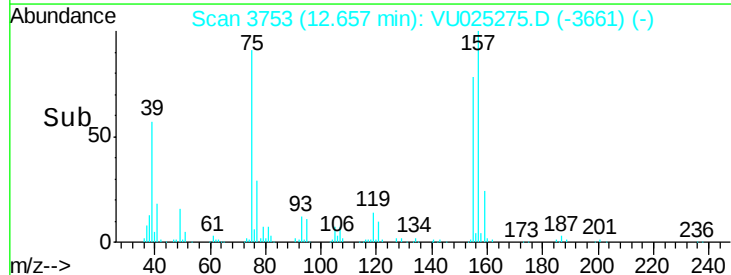
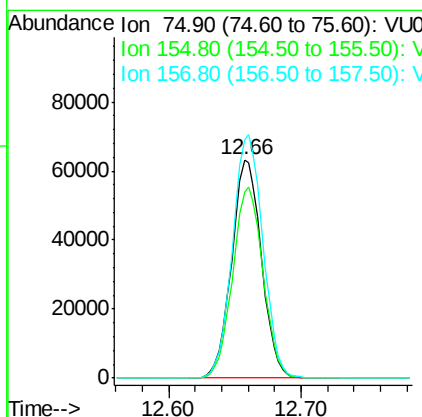
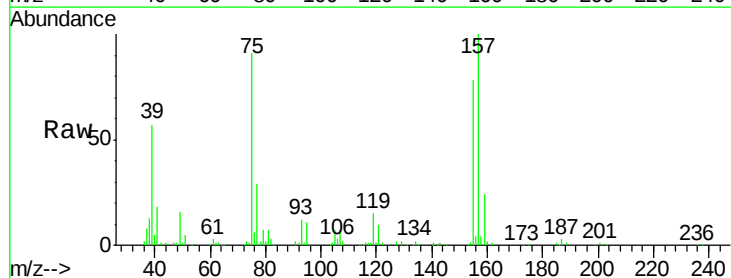
Manual Integrations
APPROVED

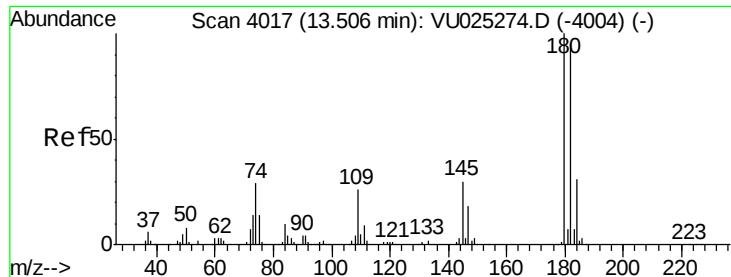
MMDadoda
7/10/2018 2:33:48 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 110.09 ug/l
RT: 12.66 min Scan# 3753
Delta R.T. -0.00 min
Lab File: VU025275.D
Acq: 09 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	44.5	133.3
157	113.7	57.0	170.8





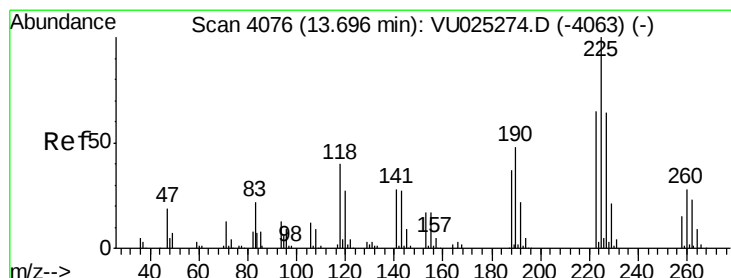
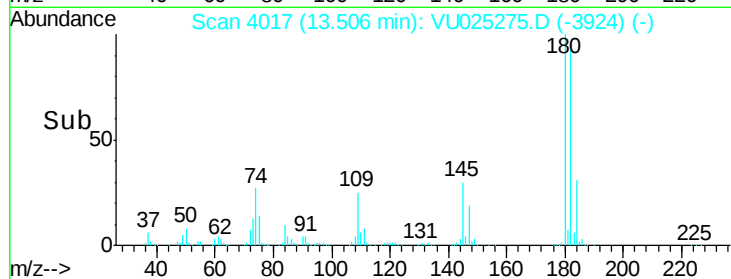
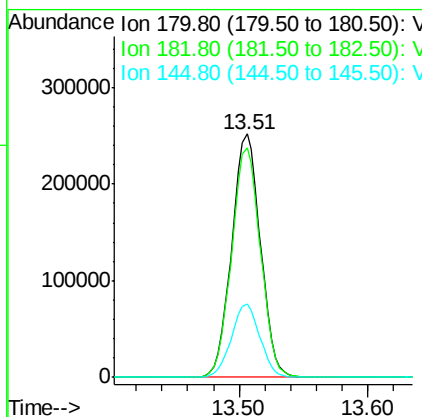
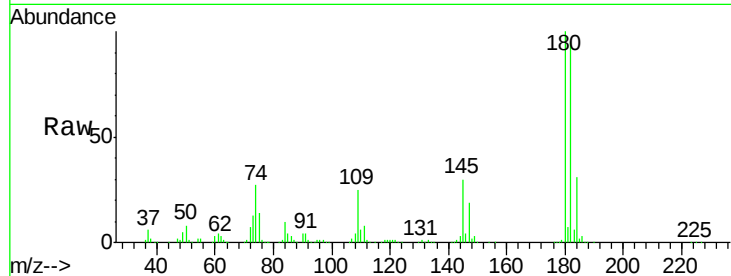
#93
 1,2,4-Trichlorobenzene
 Concen: 111.01 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion:	180	Resp:	388197
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.3	141.9
145	29.9	14.9	44.7

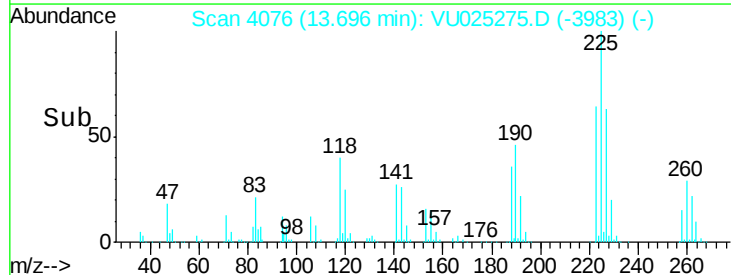
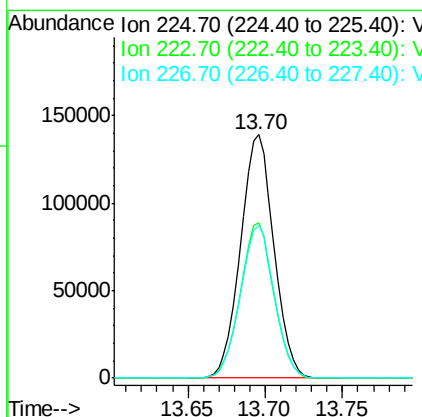
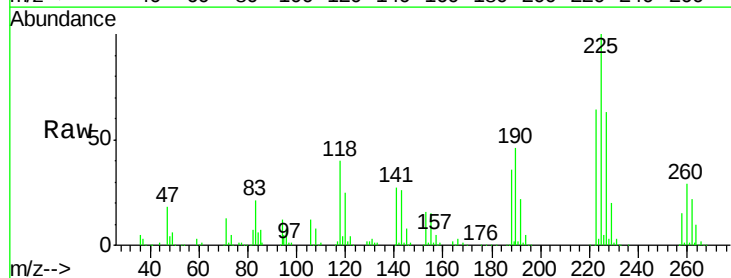
Manual Integrations
 APPROVED

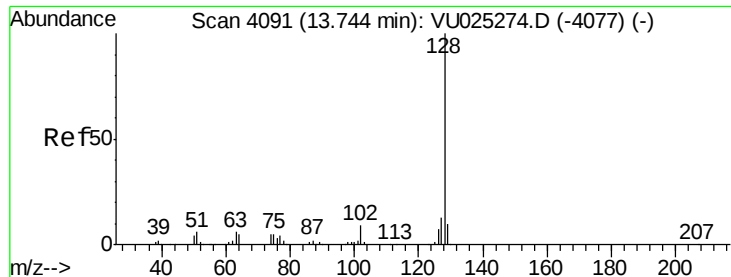
MMDadoda
 7/10/2018 2:33:48 PM



#94
 Hexachlorobutadiene
 Concen: 109.25 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025275.D
 Acq: 09 Jul 2018 15:47

Tgt Ion:	225	Resp:	208555
Ion Ratio	Lower	Upper	
225	100		
223	64.0	31.9	95.7
227	63.6	32.3	96.9





#95

Naphthalene

Concen: 98.29 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1182497

Ion Ratio Lower Upper

128 100

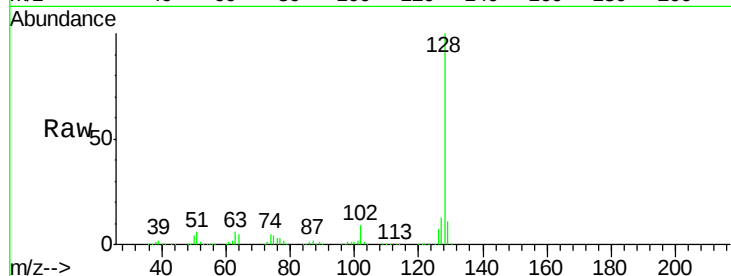
127 12.8 10.5 15.7

129 11.1 8.3 12.5

Manual Integrations
APPROVED

MMDadoda

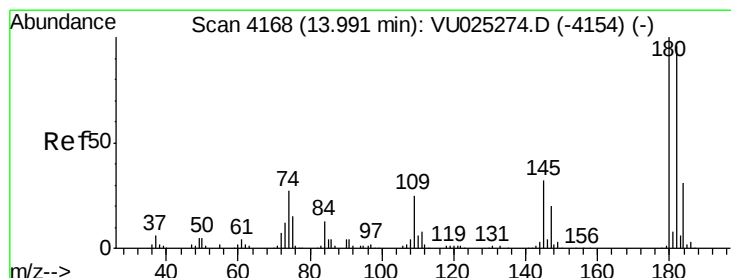
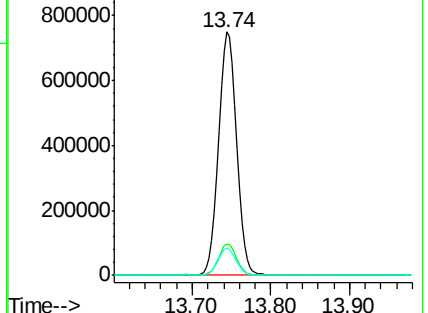
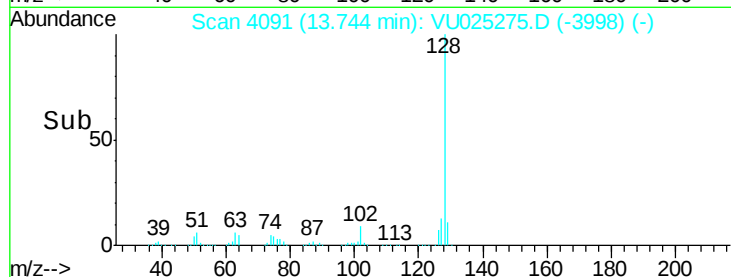
7/10/2018 2:33:48 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 104.84 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025275.D

Acq: 09 Jul 2018 15:47

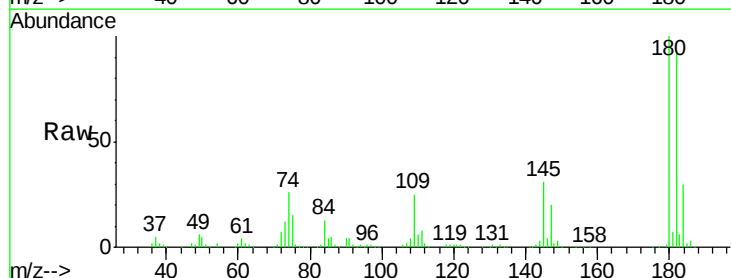
Tgt Ion:180 Resp: 395349

Ion Ratio Lower Upper

180 100

182 94.9 47.8 143.3

145 31.6 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

