

Data File : VU025306.D
Acq On : 11 Jul 2018 10:40
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
7/12/2018 11:04:15 AM

Quant Time: Jul 12 03:22:39 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	182953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269770	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	256520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157180	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	118190	41.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.16%	
35) Dibromofluoromethane	4.88	113	97448	42.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.64%	
50) Toluene-d8	7.57	98	326106	41.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.70%	
62) 4-Bromofluorobenzene	10.31	95	135399	43.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	85751	45.290	ug/l	97
3) Chloromethane	1.33	50	84034	44.607	ug/l	100
4) Vinyl Chloride	1.40	62	92866	44.633	ug/l	100
5) Bromomethane	1.62	94	59727	56.978	ug/l	100
6) Chloroethane	1.69	64	61662	46.621	ug/l	100
7) Trichlorofluoromethane	1.89	101	153441	46.925	ug/l	100
8) Diethyl Ether	2.10	74	58758	47.884	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	92767	45.780	ug/l	100
10) Methyl Iodide	2.41	142	79900	37.505	ug/l	98
11) Tert butyl alcohol	2.82	59	131796	212.549	ug/l	98
12) 1,1-Dichloroethene	2.28	96	81899	44.162	ug/l	96
13) Acrolein	2.19	56	53931	131.471	ug/l	99
14) Allyl chloride	2.59	41	148973	44.294	ug/l	99
15) Acrylonitrile	2.93	53	290894	228.181	ug/l	100
16) Acetone	2.32	43	351344	242.385	ug/l	100
17) Carbon Disulfide	2.48	76	224262	41.714	ug/l	99
18) Methyl Acetate	2.61	43	141850	48.742	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	348751	49.440	ug/l	97
20) Methylene Chloride	2.70	84	105264	47.899	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	94802	44.733	ug/l	99
22) Diisopropyl ether	3.57	45	330386	48.101	ug/l	97
23) Vinyl Acetate	3.53	43	1444485	239.733	ug/l	100
24) 1,1-Dichloroethane	3.45	63	189664	48.962	ug/l	99
25) 2-Butanone	4.26	43	454564	230.728	ug/l	99
26) 2,2-Dichloropropane	4.23	77	177777	47.731	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	113307	46.208	ug/l	98
28) Bromochloromethane	4.55	49	81793	43.727	ug/l	98
29) Tetrahydrofuran	4.63	42	267237	226.144	ug/l	99
30) Chloroform	4.68	83	199421	48.612	ug/l	98
31) Cyclohexane	5.00	56	163537	45.620	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	181966	48.945	ug/l	100
36) 1,1-Dichloropropene	5.14	75	138402	46.147	ug/l	98
37) Ethyl Acetate	4.38	43	158833	47.488	ug/l	99
38) Carbon Tetrachloride	5.14	117	161492	50.028	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	173374	46.345	ug/l	97
40) Benzene	5.39	78	412209	47.693	ug/l	98
41) Methacrylonitrile	4.54	41	88723	47.844	ug/l	100
42) 1,2-Dichloroethane	5.41	62	167097	48.637	ug/l	99
43) Isopropyl Acetate	5.55	43	256420	47.873	ug/l	100
44) Trichloroethene	6.19	130	116383	46.897	ug/l	99
45) 1,2-Dichloropropane	6.44	63	109907	48.551	ug/l	99
46) Dibromomethane	6.56	93	78178	47.455	ug/l	98
47) Bromodichloromethane	6.76	83	155259	50.733	ug/l	99
48) Methyl methacrylate	6.62	41	127780	47.854	ug/l	98
49) 1,4-Dioxane	6.61	88	55213	859.336	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	816726	234.604	ug/l	100
52) Toluene	7.64	92	268559	48.841	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	169879	50.523	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	178765	49.954	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	113429	49.531	ug/l	96
56) Ethyl methacrylate	8.02	69	175513	49.070	ug/l	98
57) 1,3-Dichloropropane	8.25	76	187058	49.204	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	324109	202.140	ug/l	100
59) 2-Hexanone	8.36	43	642578	227.559	ug/l	98
60) Dibromochloromethane	8.48	129	129842	52.500	ug/l	99
61) 1,2-Dibromoethane	8.59	107	121213	49.467	ug/l	99
64) Tetrachloroethene	8.23	164	114058	48.778	ug/l	98
65) Chlorobenzene	9.12	112	309958	48.370	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	117277	51.162	ug/l	98
67) Ethyl Benzene	9.25	91	529806	48.495	ug/l	100
68) m/p-Xylenes	9.38	106	415977	98.487	ug/l	99
69) o-Xylene	9.78	106	204601	48.385	ug/l	96
70) Styrene	9.80	104	334545	49.807	ug/l	100
71) Bromoform	9.96	173	99941	45.548	ug/l #	98
73) Isopropylbenzene	10.17	105	559969	46.627	ug/l	100
74) N-amyl acetate	10.01	43	229901	46.852	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	179618	45.716	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	164492m	50.665	ug/l	
77) Bromobenzene	10.45	156	142090	46.247	ug/l	98
78) n-propylbenzene	10.59	91	640852	48.089	ug/l	100
79) 2-Chlorotoluene	10.66	91	381056	49.800	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	482866	47.783	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	58318m	46.572	ug/l	
82) 4-Chlorotoluene	10.78	91	446609	47.329	ug/l	99
83) tert-Butylbenzene	11.10	119	481085	47.112	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	486974	47.020	ug/l	99
85) sec-Butylbenzene	11.33	105	588942	48.982	ug/l	99
86) p-Isopropyltoluene	11.48	119	519515	48.798	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	264301	47.071	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	264371	48.257	ug/l	99
89) n-Butylbenzene	11.89	91	438823	50.141	ug/l	98
90) Hexachloroethane	12.15	117	87282	48.417	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	265529	46.825	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	44593	46.795	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071118\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	174056	46.111	ug/l	99
94) Hexachlorobutadiene	13.70	225	95443	47.060	ug/l	100
95) Naphthalene	13.75	128	523457	45.582	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	178427	46.468	ug/l	100

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

Data File : VU025306.D

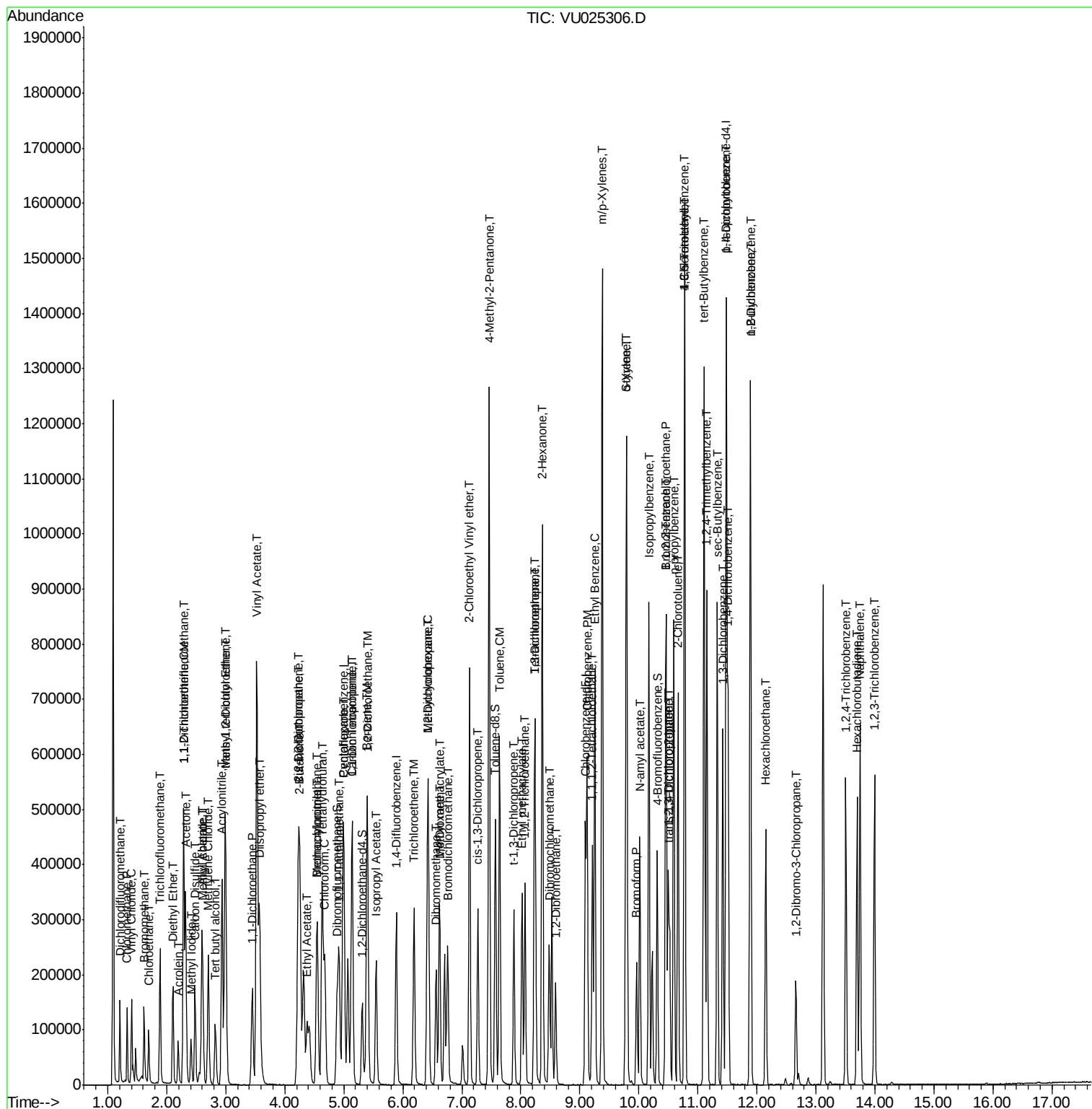
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Acq On       : 11 Jul 2018   10:40
Operator     : MD/SY
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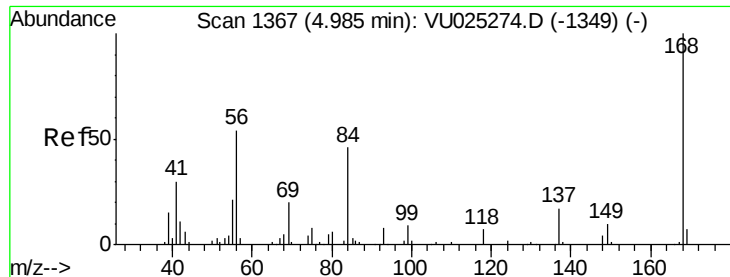
Instrument :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 182953

Ion Ratio Lower Upper

168 100

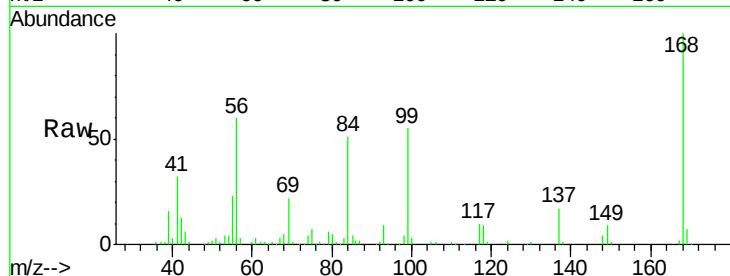
99 54.9 42.8 64.2

Manual Integrations

APPROVED

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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) (-)

80000

60000

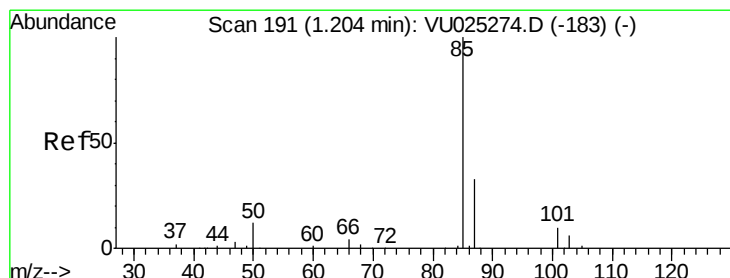
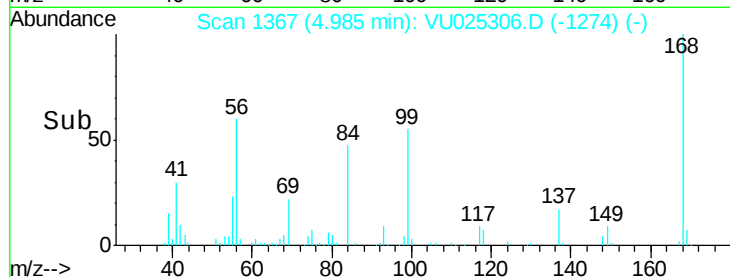
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.290 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025306.D

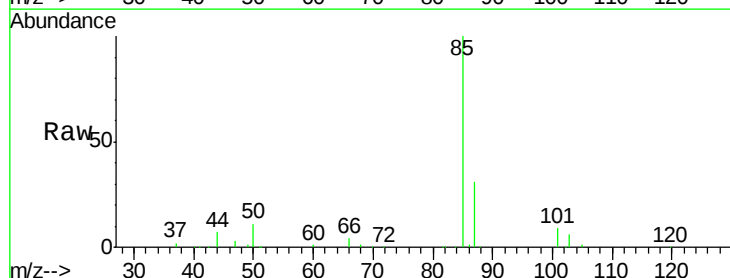
Acq: 11 Jul 2018 10:40

Tgt Ion: 85 Resp: 85751

Ion Ratio Lower Upper

85 100

87 31.3 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) (-)

100000

80000

60000

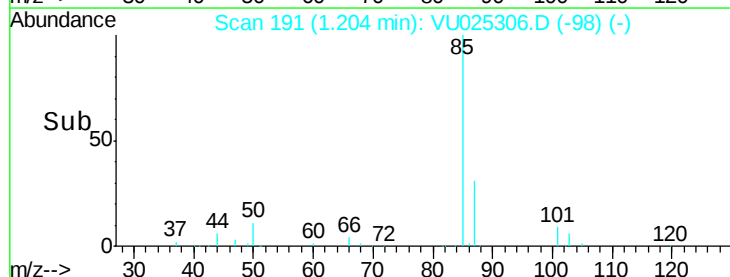
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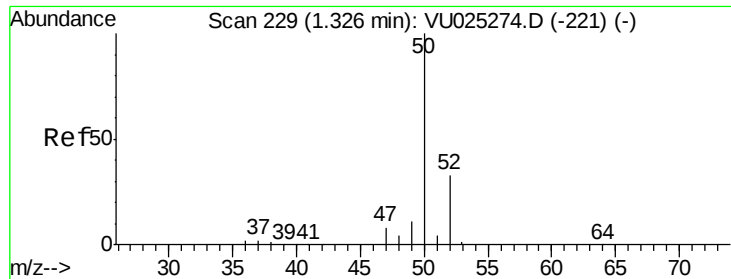
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 44.607 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 84034

Ion Ratio Lower Upper

50 100

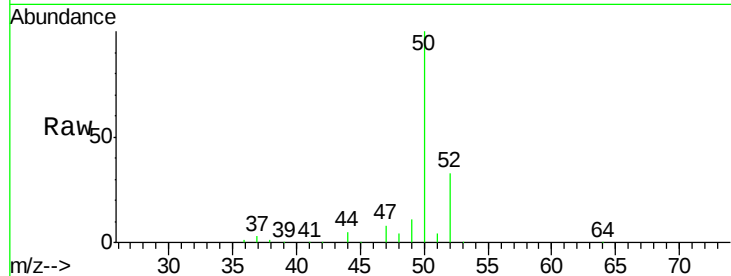
52 32.9 26.5 39.7

Manual Integrations

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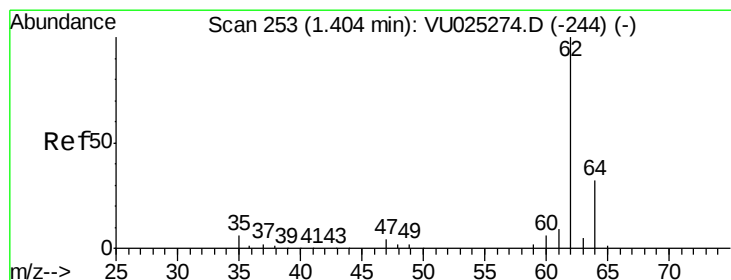
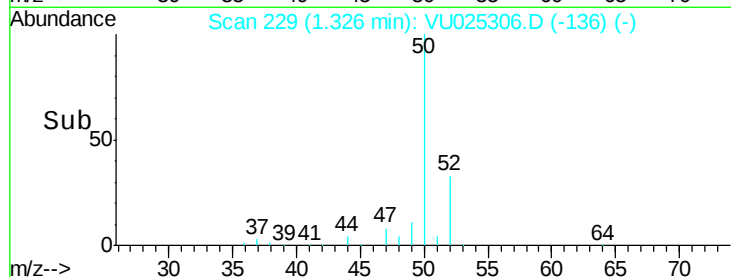
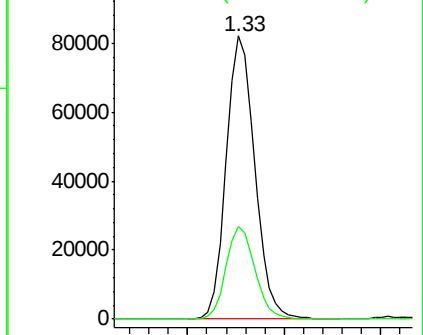
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 44.633 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025306.D

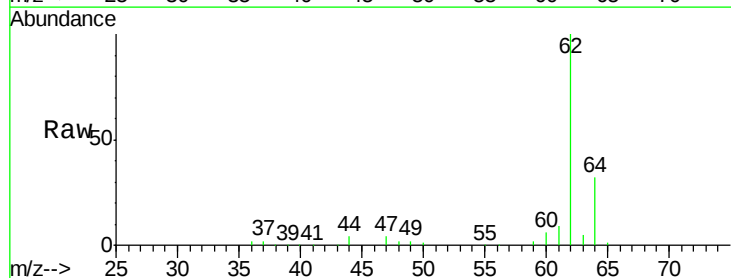
Acq: 11 Jul 2018 10:40

Tgt Ion: 62 Resp: 92866

Ion Ratio Lower Upper

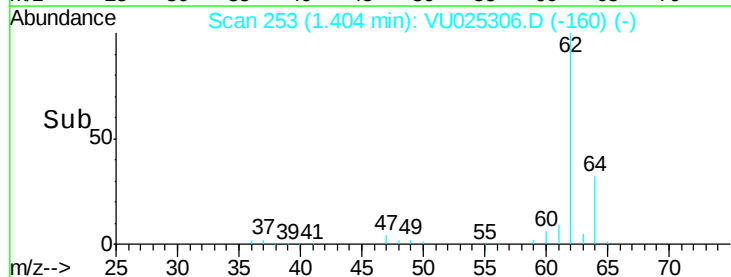
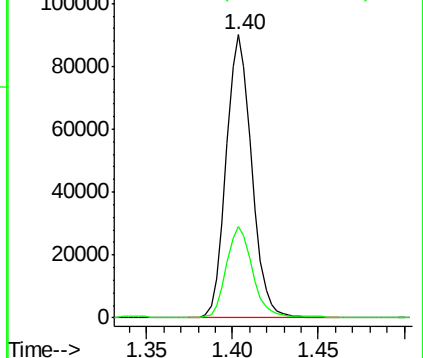
62 100

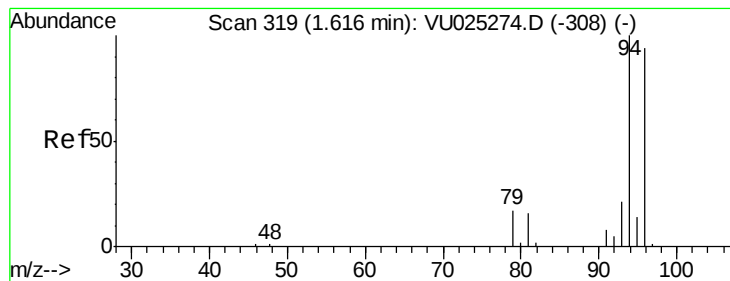
64 31.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 56.978 ug/l

RT: 1.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 59727

Ion Ratio Lower Upper

94 100

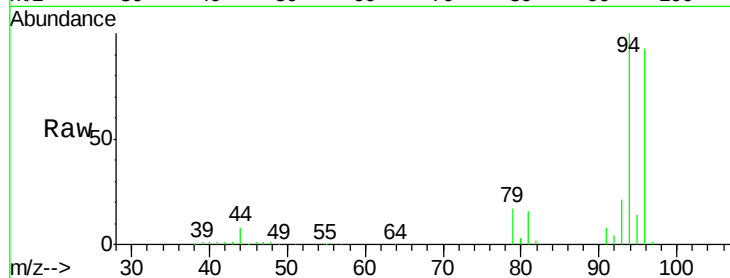
96 93.5 75.0 112.4

Manual Integrations

APPROVED

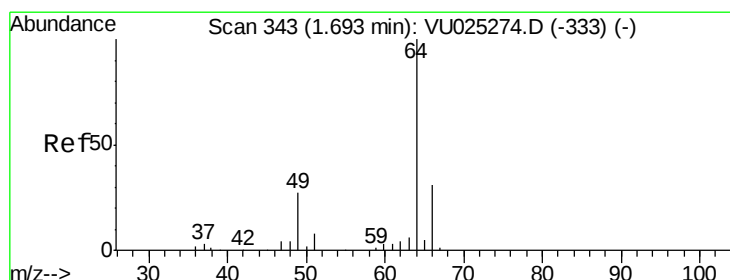
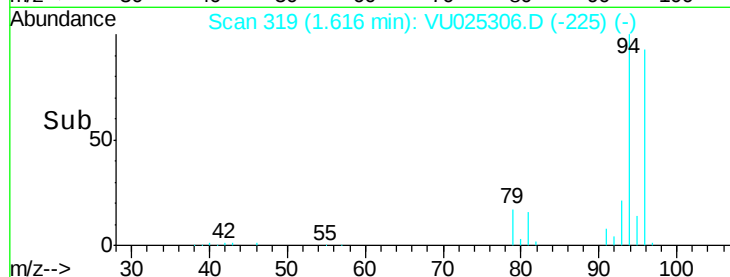
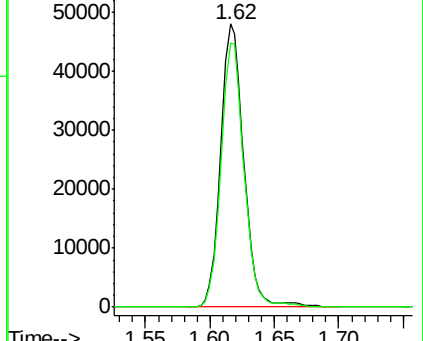
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Abundance Ion 93.90 (93.60 to 94.60): VU025274.D (-308) (-)

Ion 95.90 (95.60 to 96.60): VU025306.D (-225) (-)



#6

Chloroethane

Concen: 46.621 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025306.D

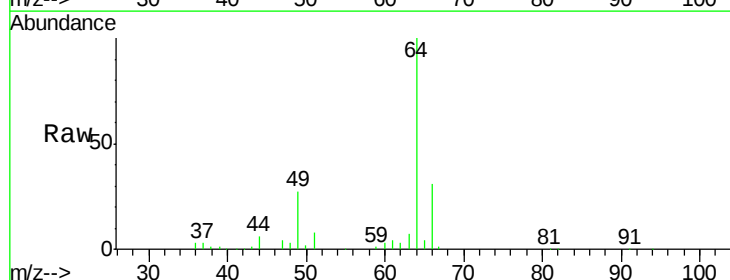
Acq: 11 Jul 2018 10:40

Tgt Ion: 64 Resp: 61662

Ion Ratio Lower Upper

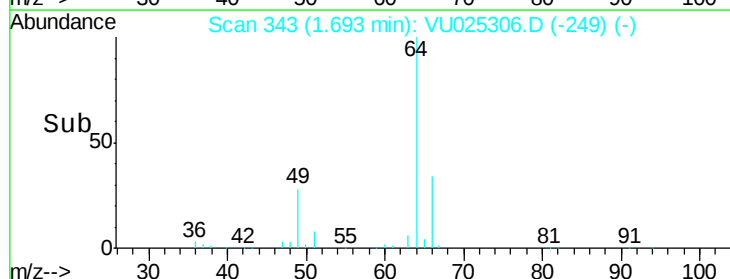
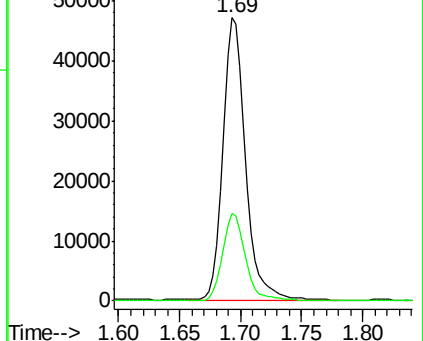
64 100

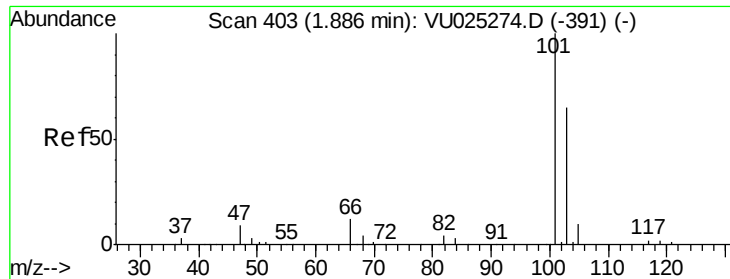
66 31.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025274.D (-333) (-)

Ion 65.90 (65.60 to 66.60): VU025306.D (-249) (-)





#7

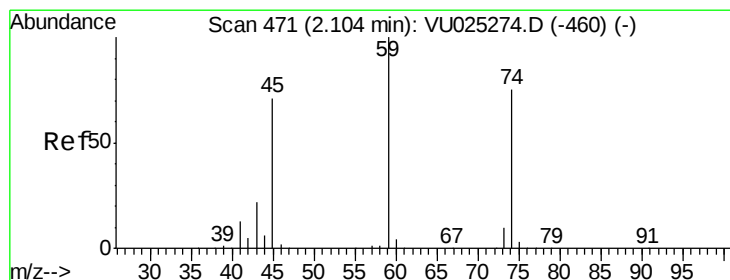
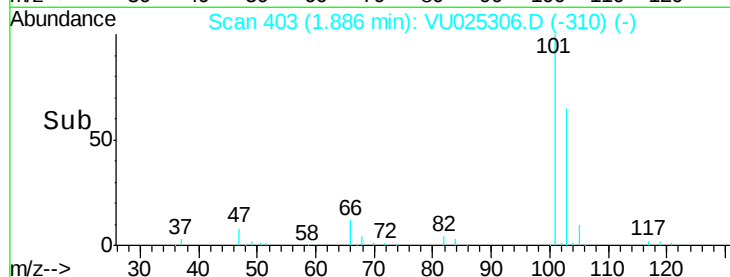
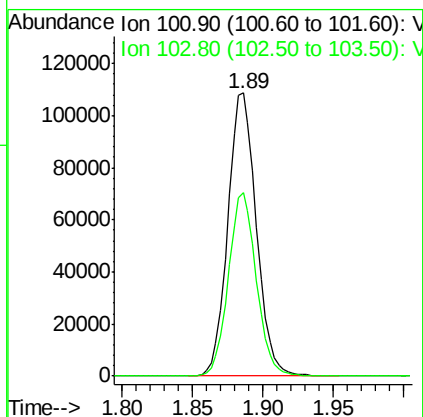
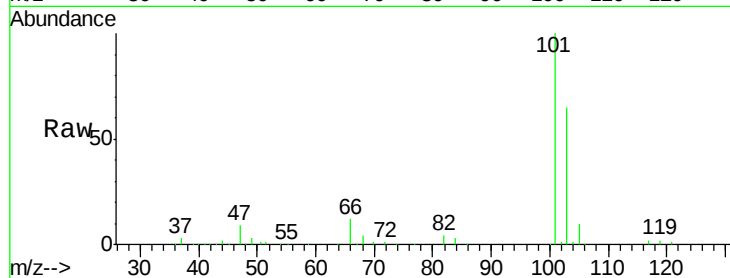
Trichlorofluoromethane
Concen: 46.925 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
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ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.2

Manual Integrations
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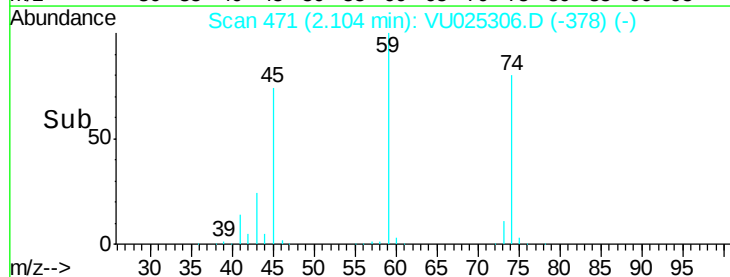
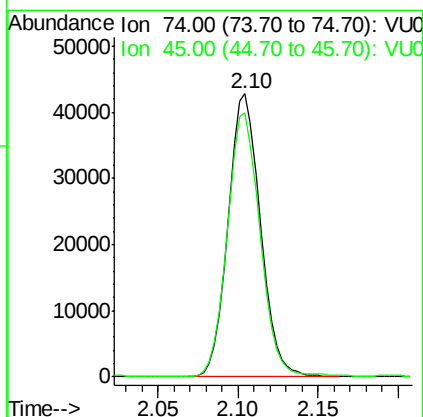
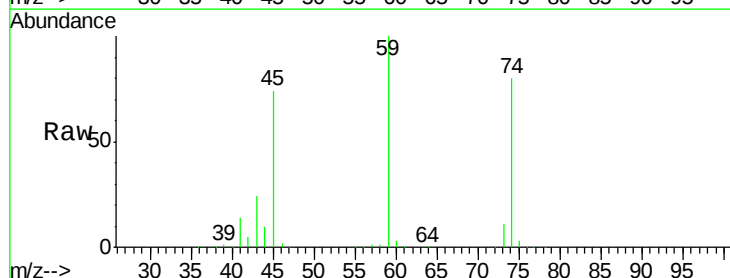
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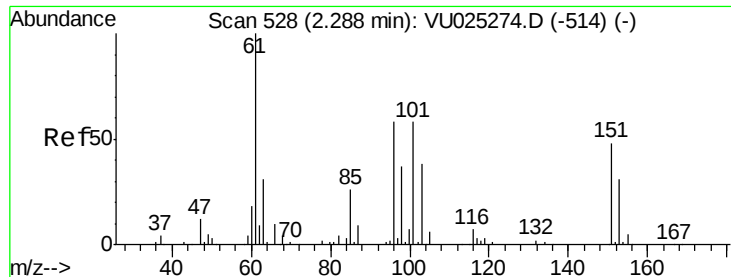


#8

Diethyl Ether
Concen: 47.884 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.780 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

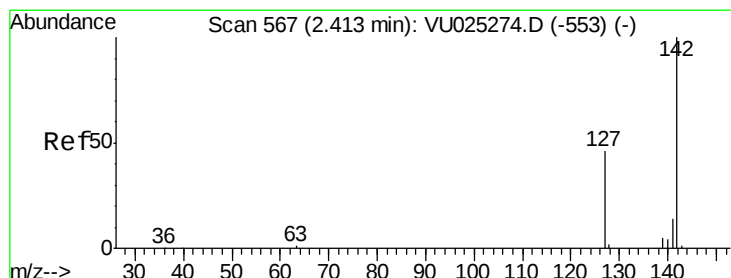
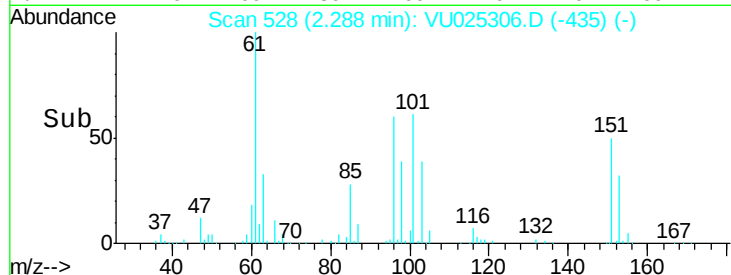
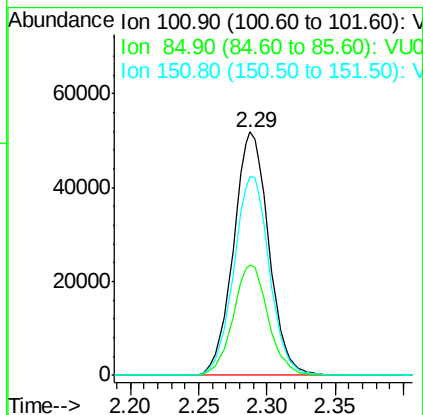
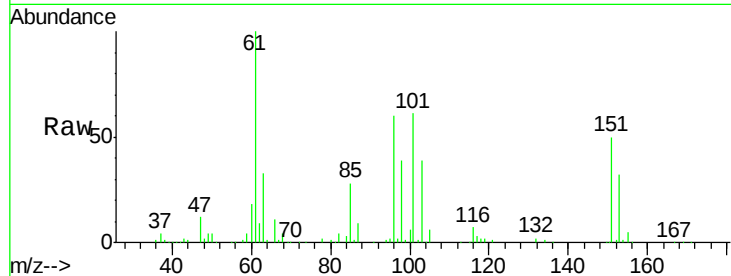
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	92767
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	82.5	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 37.505 ug/l

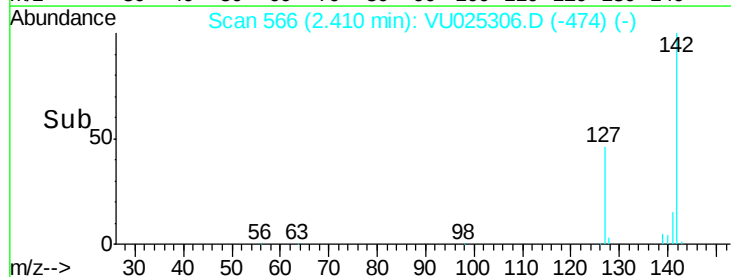
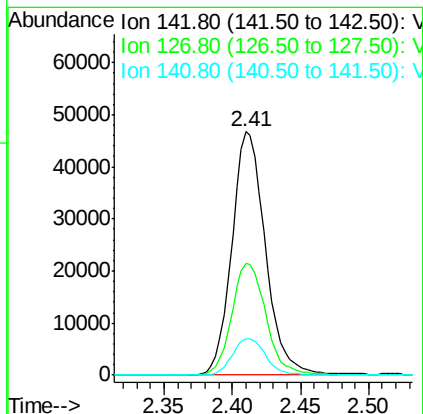
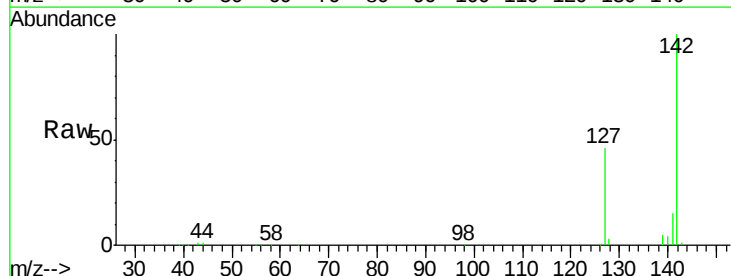
RT: 2.41 min Scan# 566

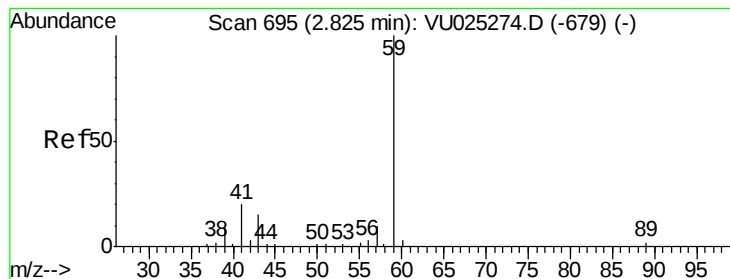
Delta R.T. -0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Tgt Ion:	142	Resp:	79900
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.5	54.7
141	14.9	11.4	17.2





#11

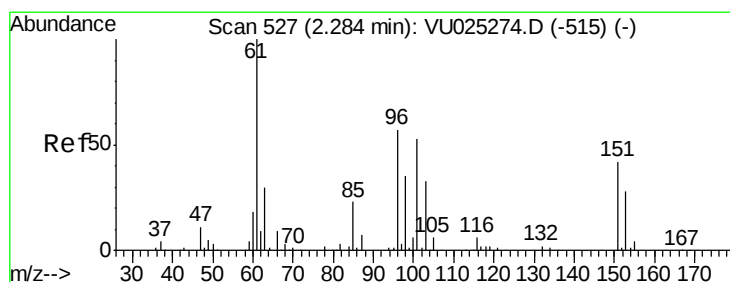
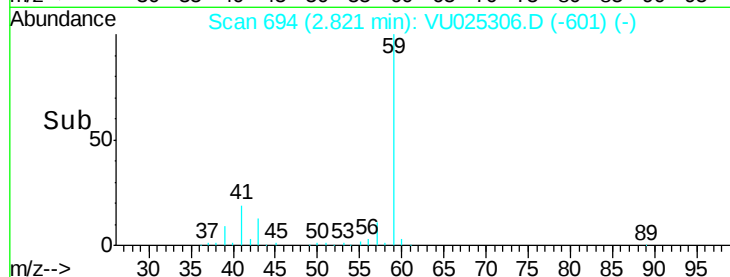
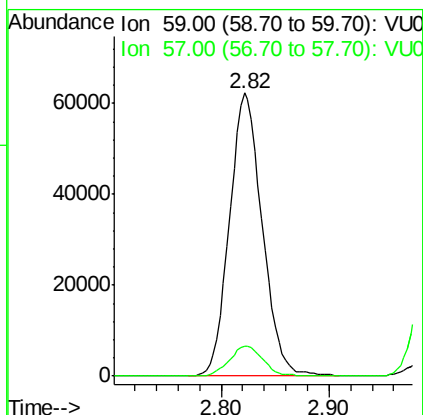
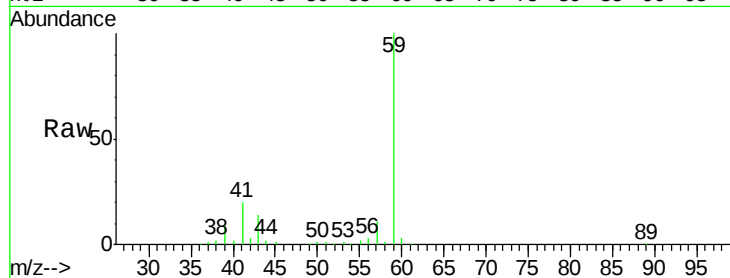
Tert butyl alcohol
Concen: 212.549 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	131796		
57	10.9		8.2	12.2

Manual Integrations
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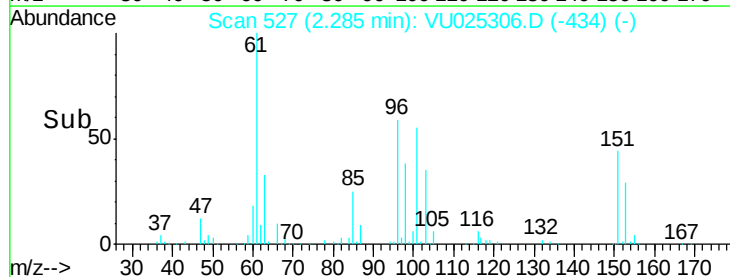
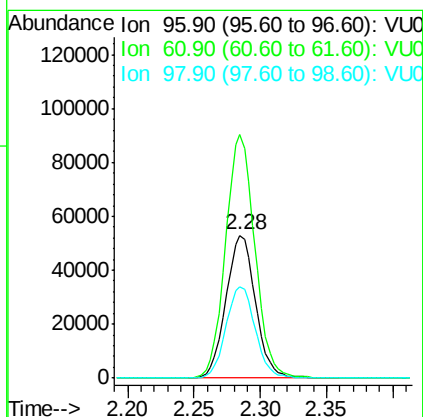
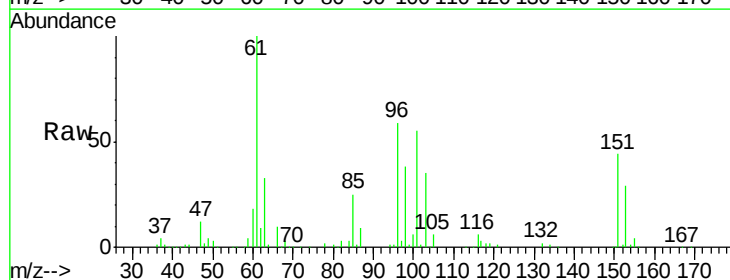
MMDadoda
7/12/2018 11:04:15 AM

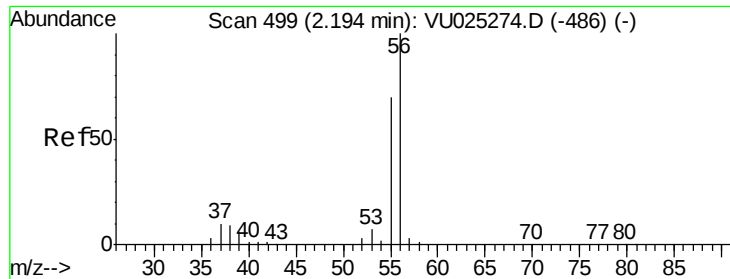


#12

1,1-Dichloroethene
Concen: 44.162 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	81899		
61	170.2		140.2	210.4
98	64.2		49.3	73.9





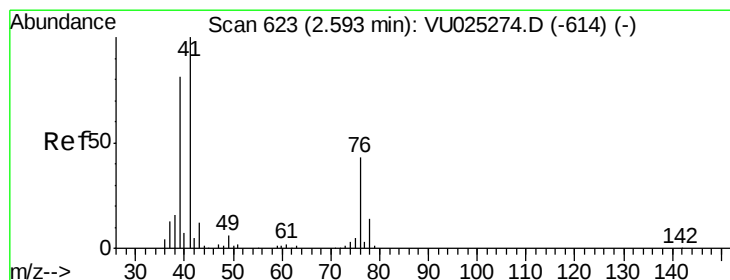
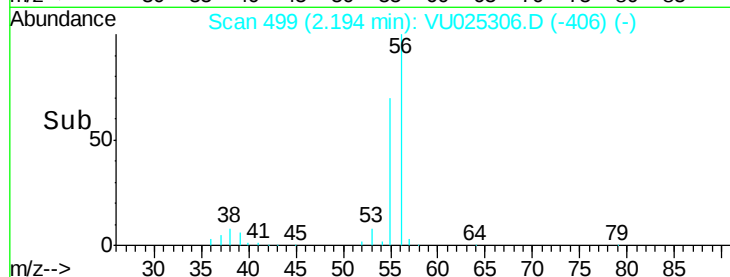
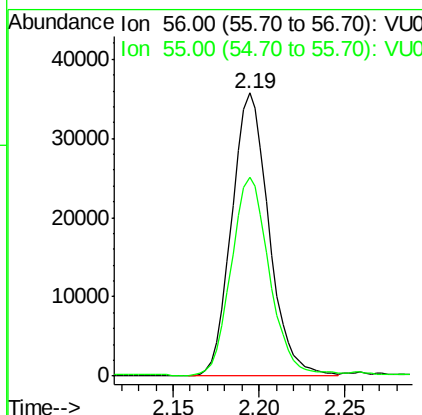
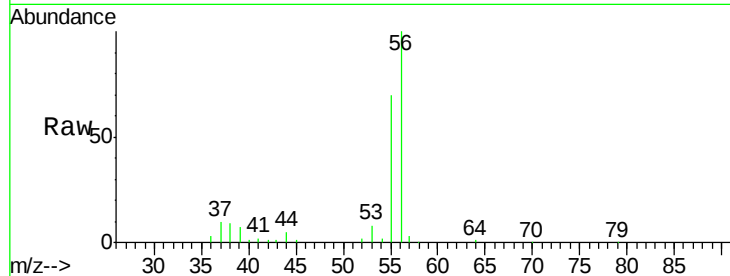
#13
Acrolein
Concen: 131.471 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 53931
Ion Ratio Lower Upper
56 100
55 71.0 57.2 85.8

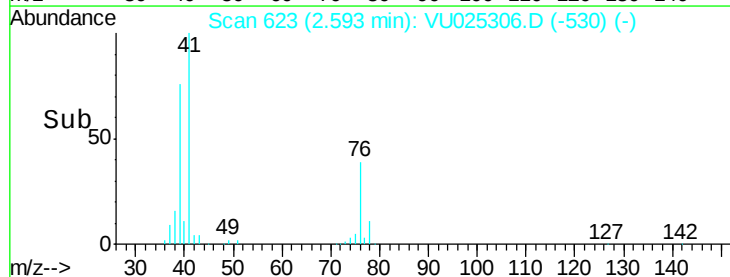
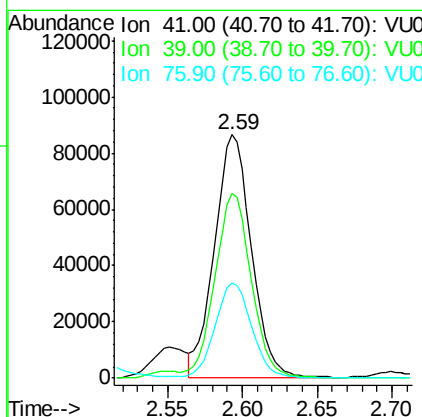
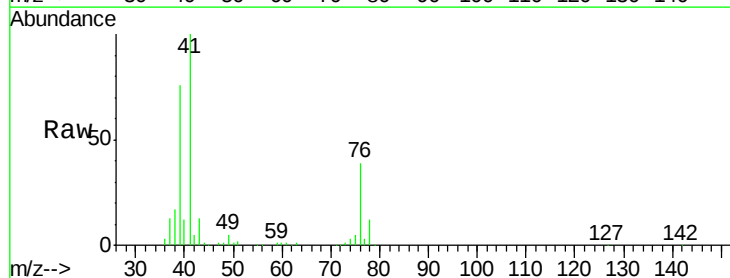
Manual Integrations
APPROVED

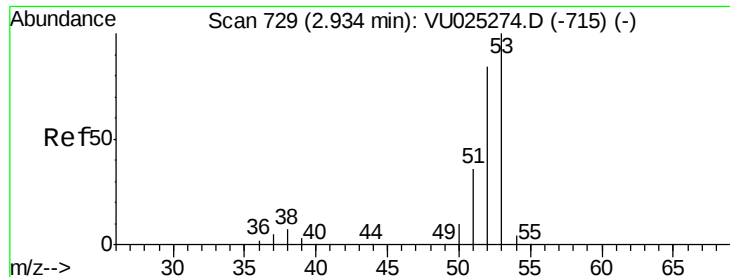
MMDadoda
7/12/2018 11:04:15 AM



#14
Allyl chloride
Concen: 44.294 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion: 41 Resp: 148973
Ion Ratio Lower Upper
41 100
39 74.4 60.6 91.0
76 38.8 30.5 45.7





#15

Acrylonitrile

Concen: 228.181 ug/l

RT: 2.93 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

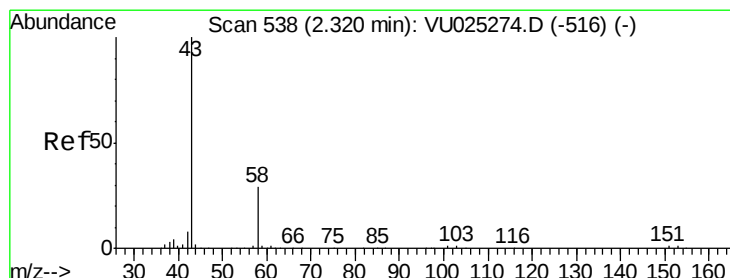
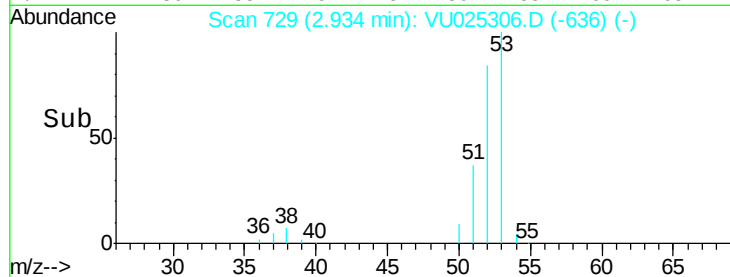
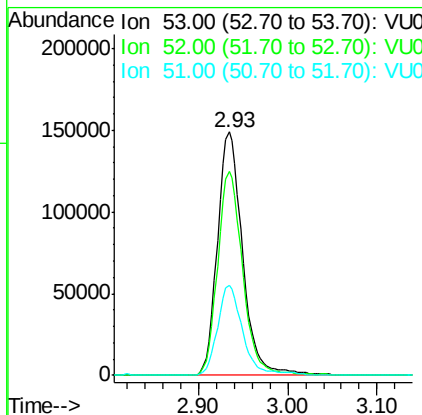
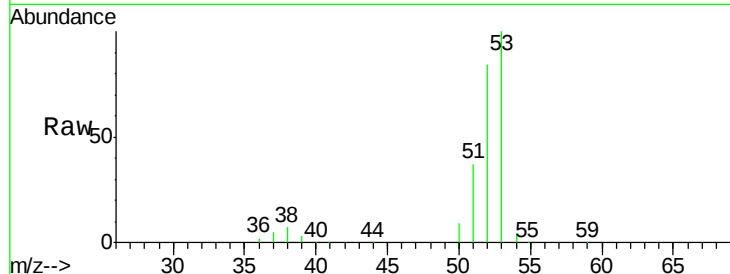
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	290894
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	99.8
51	37.4	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 242.385 ug/l

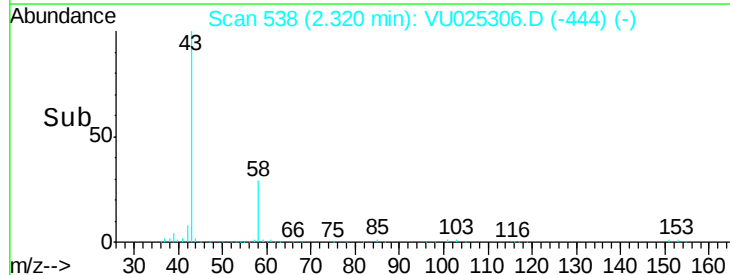
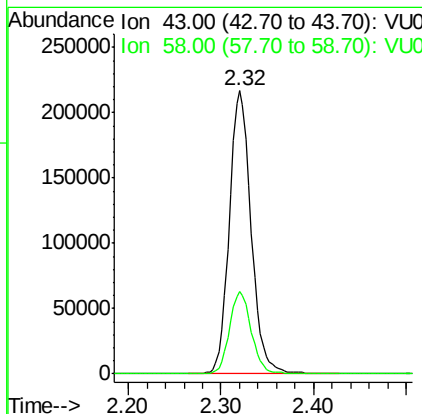
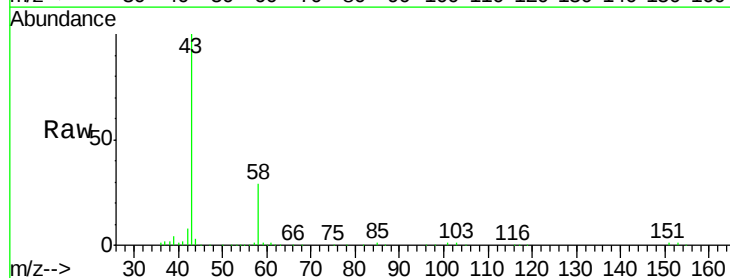
RT: 2.32 min Scan# 538

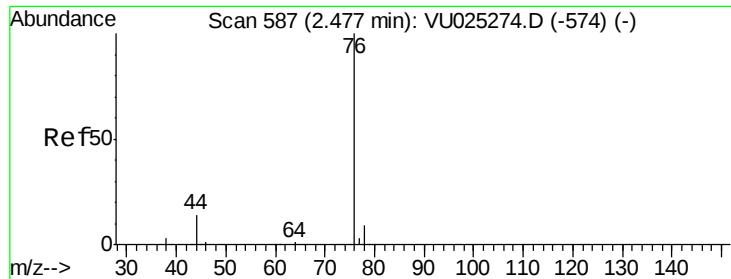
Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Tgt Ion:	43	Resp:	351344
Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.1	34.7





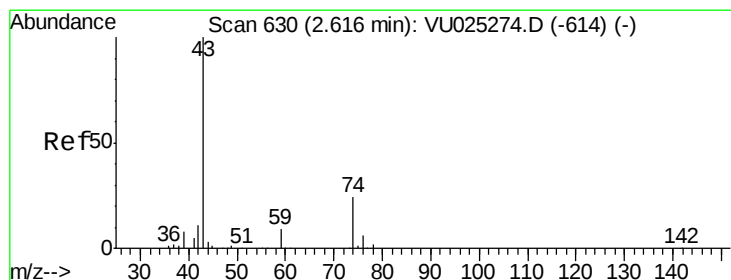
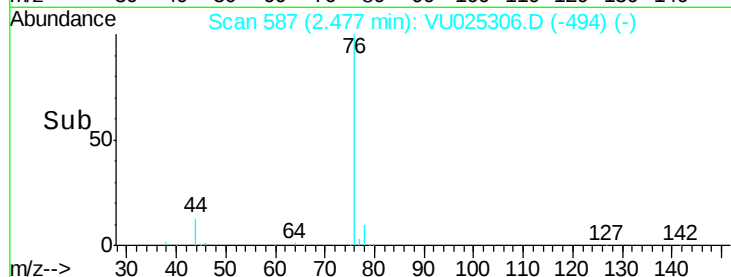
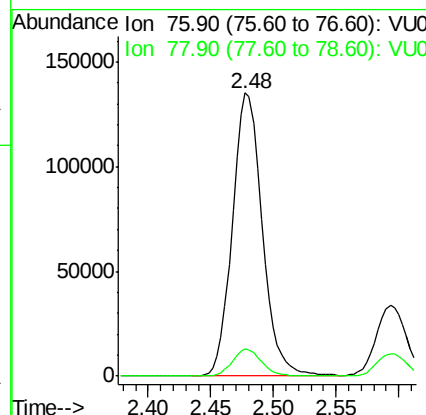
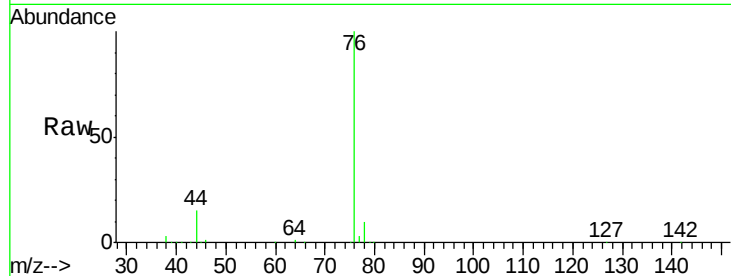
#17
Carbon Disulfide
Concen: 41.714 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 224262
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2

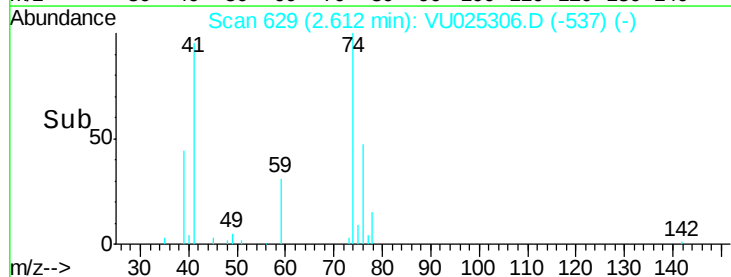
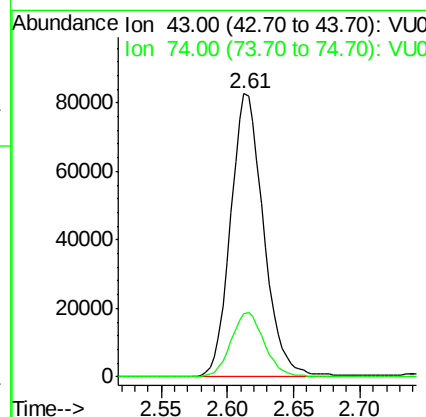
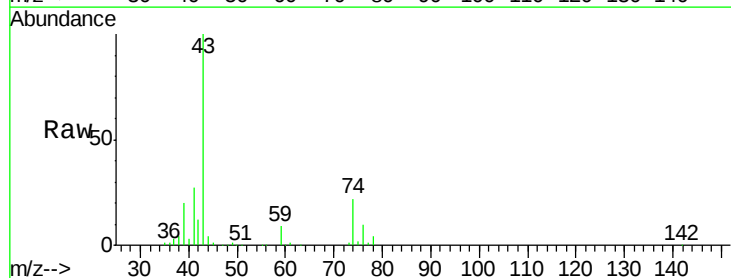
Manual Integrations
APPROVED

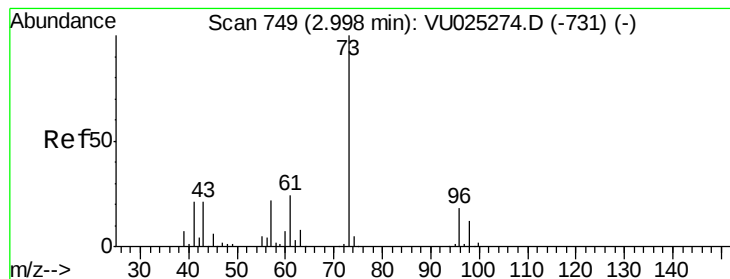
MMDadoda
7/12/2018 11:04:15 AM



#18
Methyl Acetate
Concen: 48.742 ug/l
RT: 2.61 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion: 43 Resp: 141850
Ion Ratio Lower Upper
43 100
74 23.4 18.5 27.7





#19

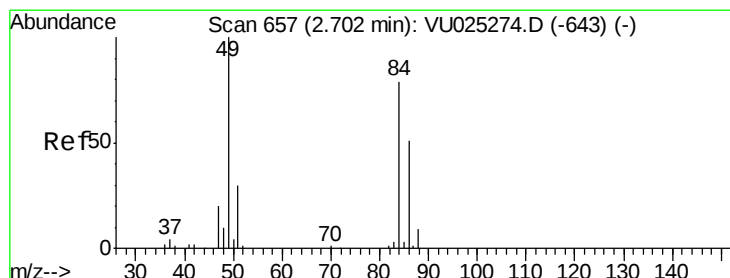
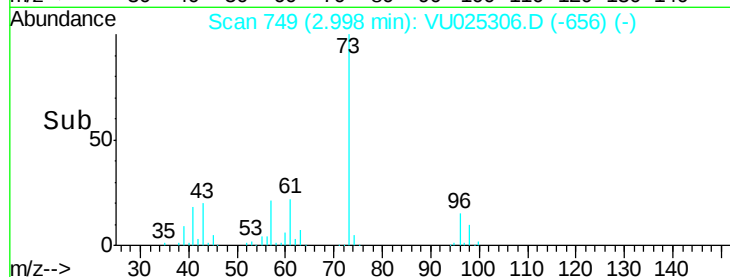
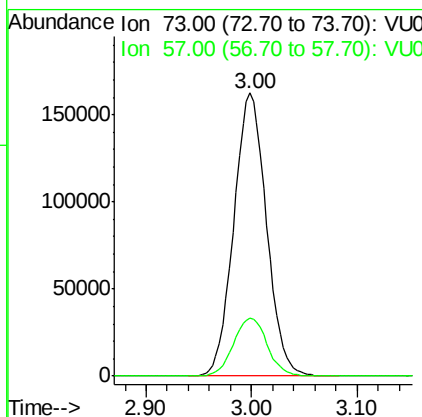
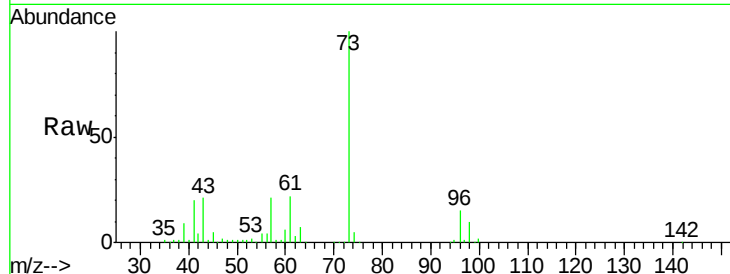
Methyl tert-butyl Ether
 Concen: 49.440 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 73 Resp: 348751
 Ion Ratio Lower Upper
 73 100
 57 20.5 17.4 26.2

Manual Integrations
 APPROVED

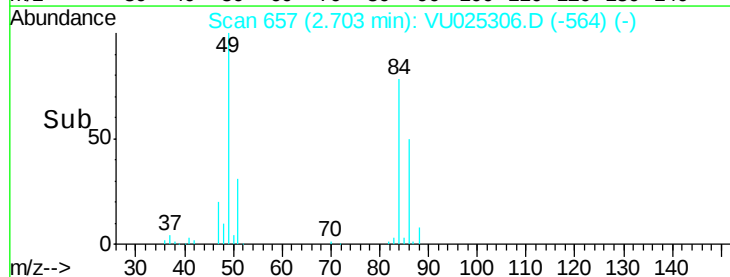
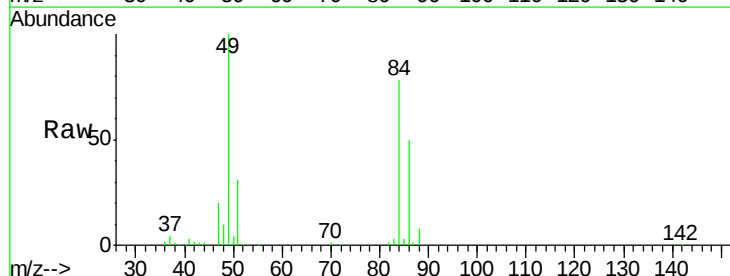
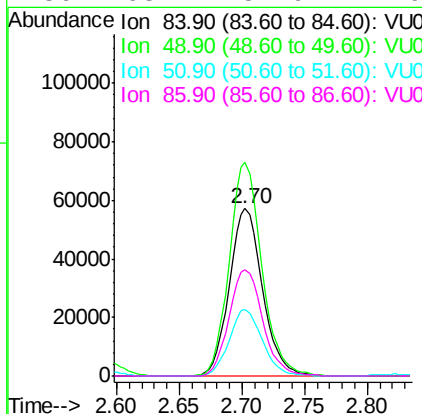
MMDadoda
 7/12/2018 11:04:15 AM

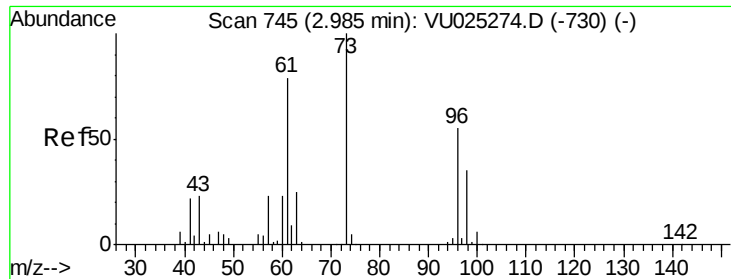


#20

Methylene Chloride
 Concen: 47.899 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Tgt Ion: 84 Resp: 105264
 Ion Ratio Lower Upper
 84 100
 49 127.7 101.8 152.6
 51 39.8 30.8 46.2
 86 63.7 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 44.733 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

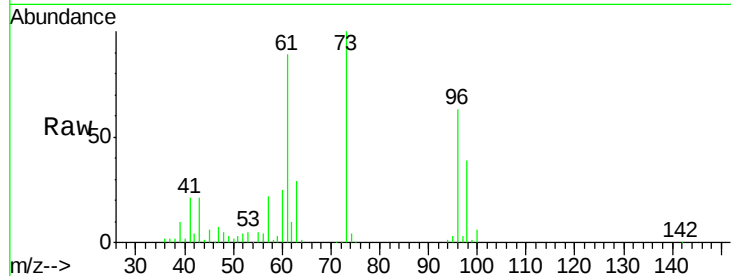
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	94802
Ion Ratio	Lower	Upper	
96	100		
61	142.1	114.5	171.7
98	61.7	50.5	75.7

Manual Integrations
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MMDadoda
7/12/2018 11:04:15 AM

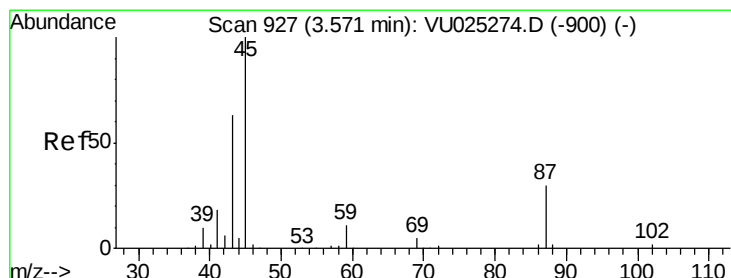
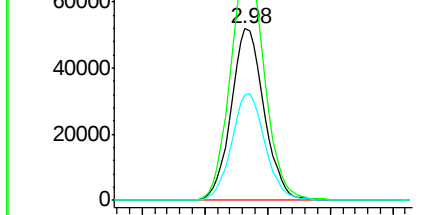
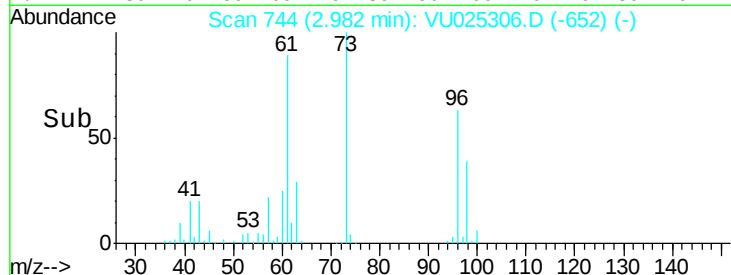


Abundance Ion 95.90 (95.60 to 96.60): VU025274.D (-730) (-)

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

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

Time-->



#22

Diisopropyl ether

Concen: 48.101 ug/l

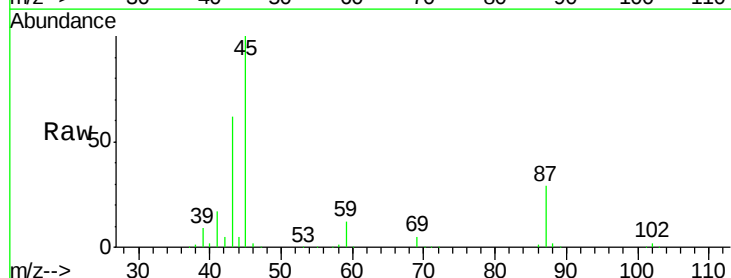
RT: 3.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Tgt Ion:	45	Resp:	330386
Ion Ratio	Lower	Upper	
45	100		
43	60.9	50.9	76.3
87	29.1	23.8	35.8
59	12.1	9.0	13.4



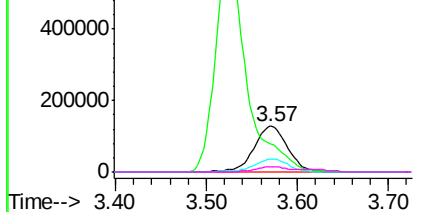
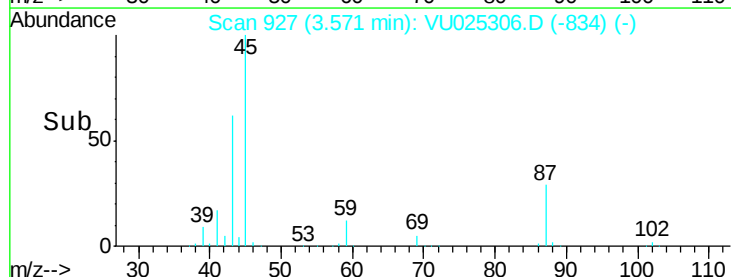
Abundance Ion 45.00 (44.70 to 45.70): VU025274.D (-900) (-)

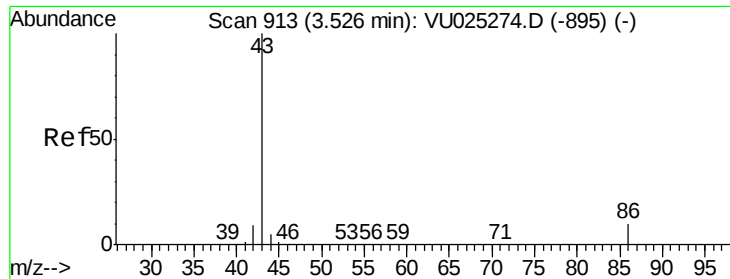
Ion 43.00 (42.70 to 43.70): VU025274.D (-900) (-)

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

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

Time-->





#23

Vinyl Acetate

Concen: 239.733 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1444485

Ion Ratio Lower Upper

43 100

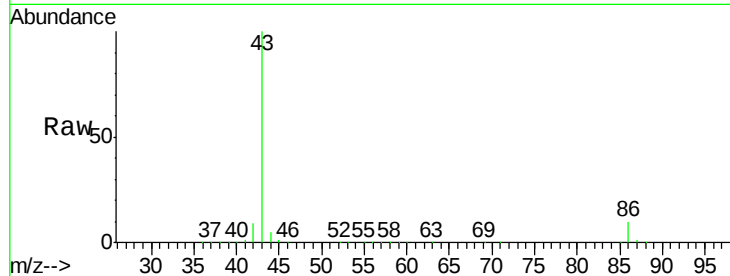
86 10.4 8.2 12.2

Manual Integrations

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MMDadoda

7/12/2018 11:04:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

600000

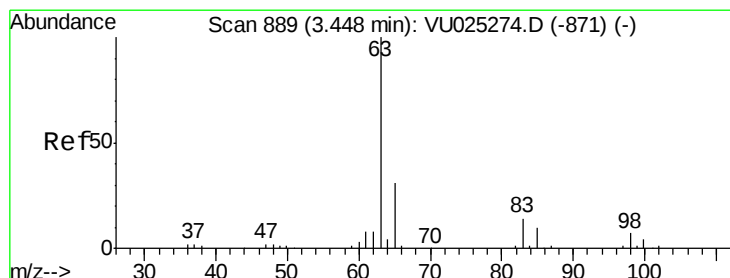
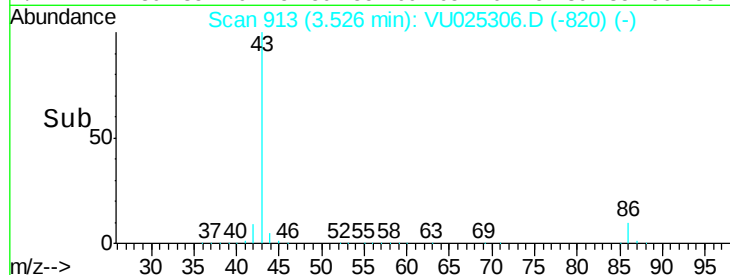
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 48.962 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

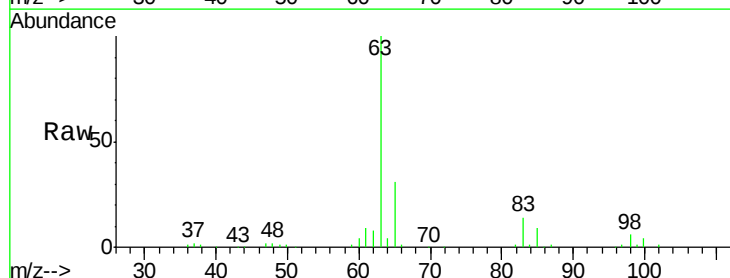
Tgt Ion: 63 Resp: 189664

Ion Ratio Lower Upper

63 100

98 6.3 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

100000

80000

60000

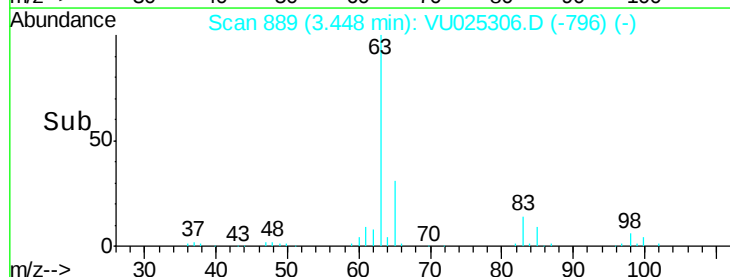
40000

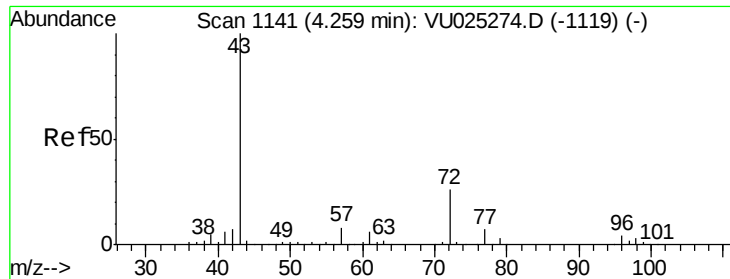
20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 230.728 ug/l

RT: 4.26 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 454564

Ion Ratio Lower Upper

43 100

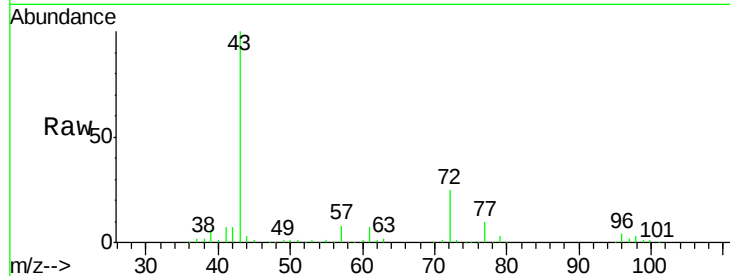
72 25.4 21.0 31.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

200000

150000

100000

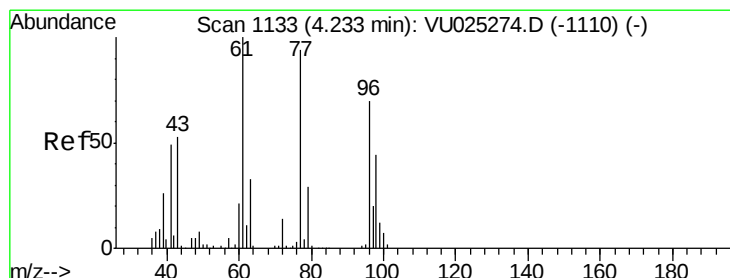
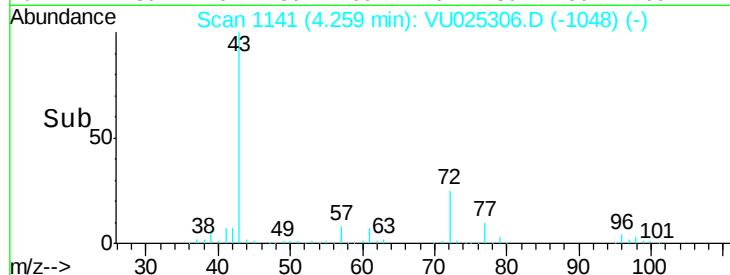
50000

0

4.20 4.30

4.26

Time-->



#26

2,2-Dichloropropane

Concen: 47.731 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025306.D

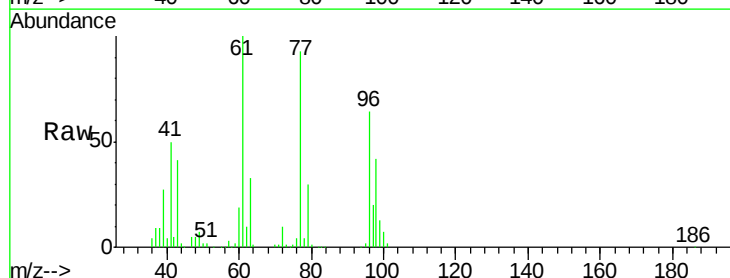
Acq: 11 Jul 2018 10:40

Tgt Ion: 77 Resp: 177777

Ion Ratio Lower Upper

77 100

97 21.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

60000

40000

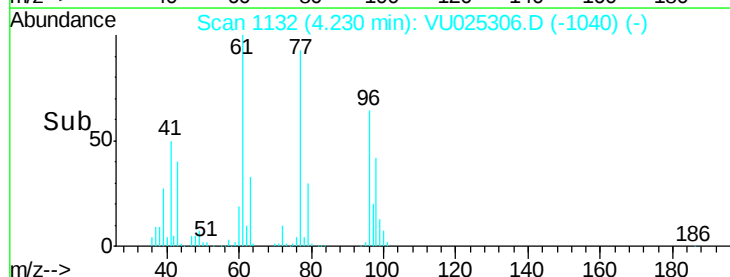
20000

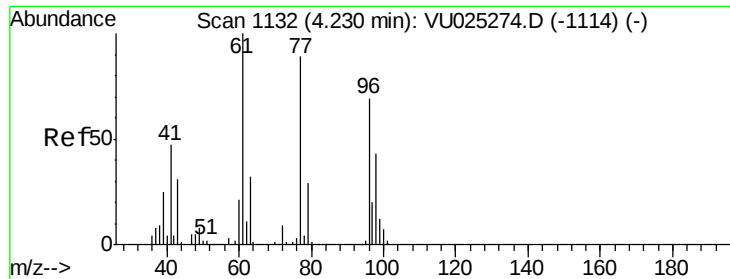
0

4.10 4.20 4.30

4.23

Time-->





#27

cis-1,2-Dichloroethene

Concen: 46.208 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

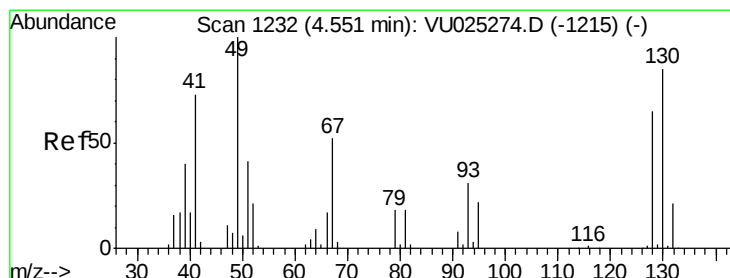
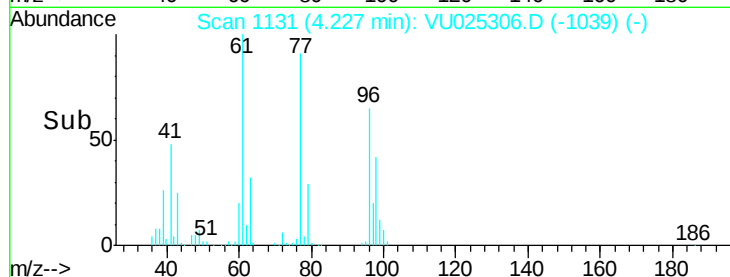
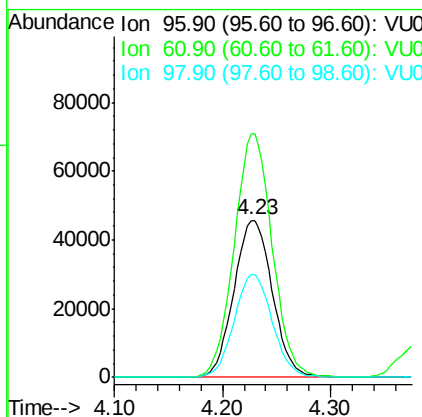
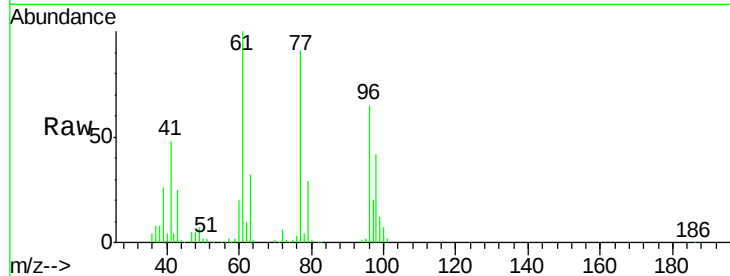
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	113307
Ion	Ratio	Lower	Upper
96	100		
61	153.5	0.0	299.8
98	65.0	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 43.727 ug/l

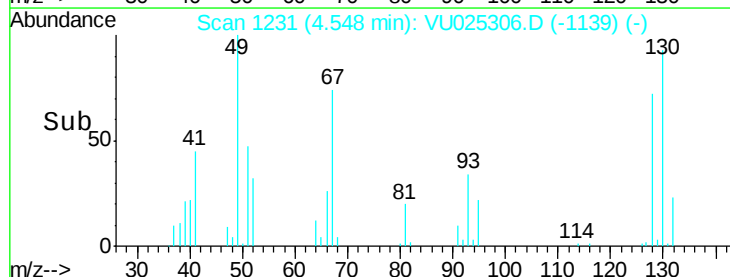
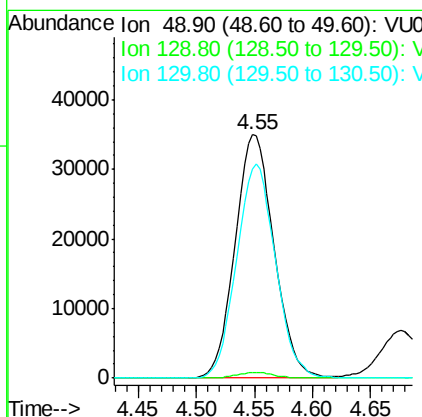
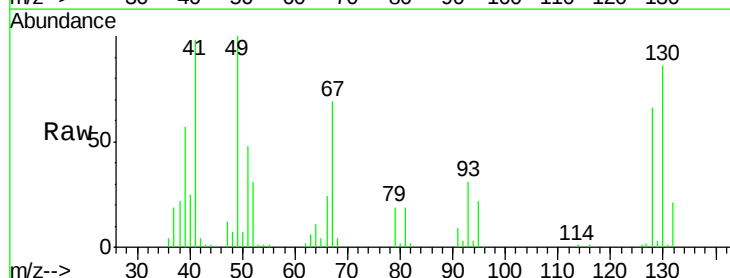
RT: 4.55 min Scan# 1231

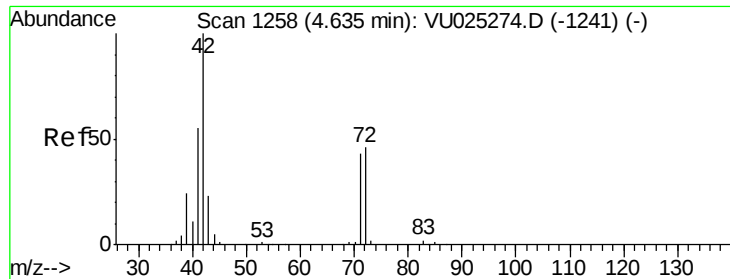
Delta R.T. -0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Tgt Ion:	49	Resp:	81793
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	87.8	68.6	102.8





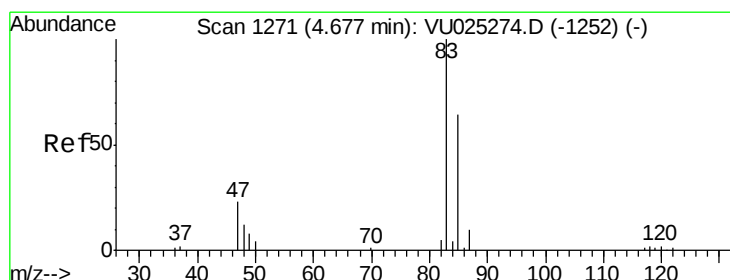
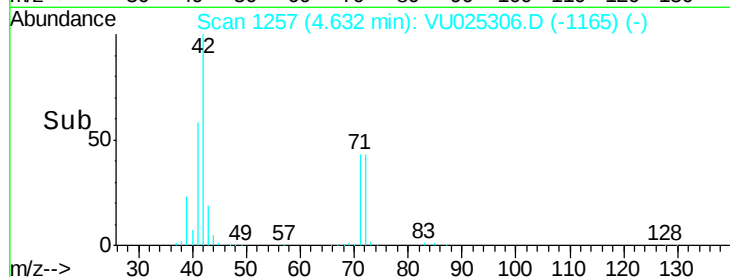
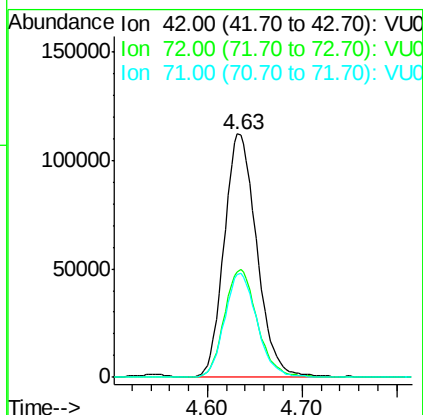
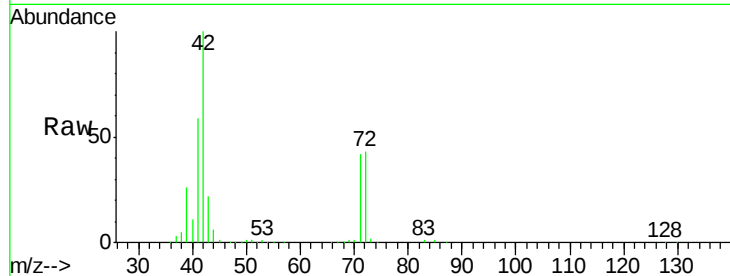
#29
Tetrahydrofuran
Concen: 226.144 ug/l
RT: 4.63 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.7	55.1
71	42.7	33.9	50.9

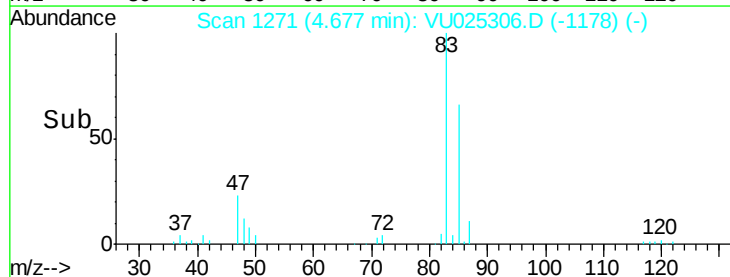
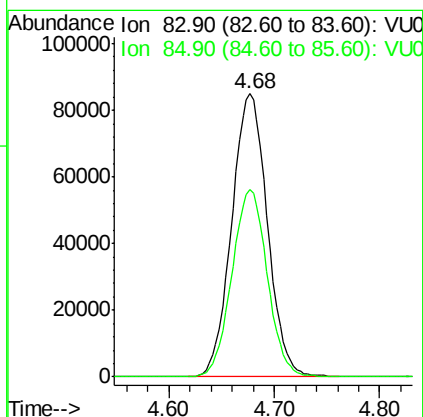
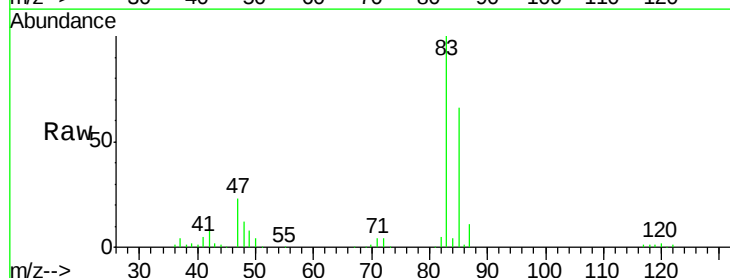
Manual Integrations
APPROVED

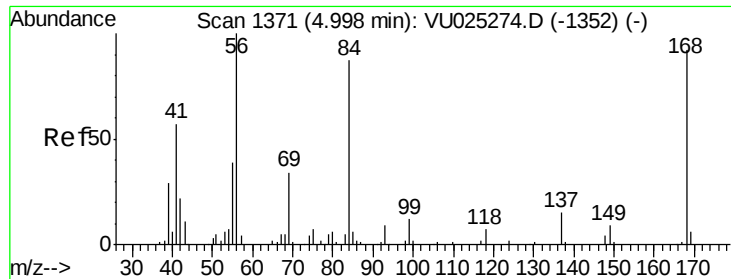
MMDadoda
7/12/2018 11:04:15 AM



#30
Chloroform
Concen: 48.612 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.5	77.3





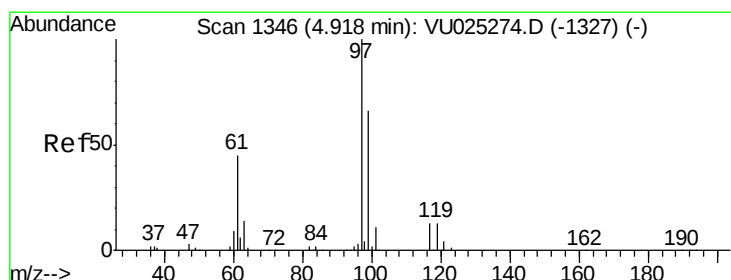
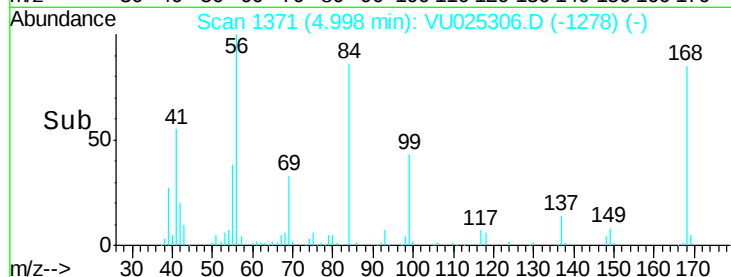
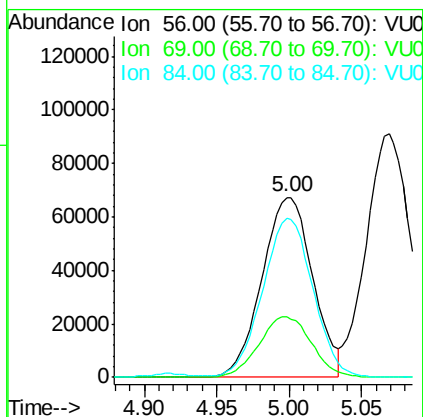
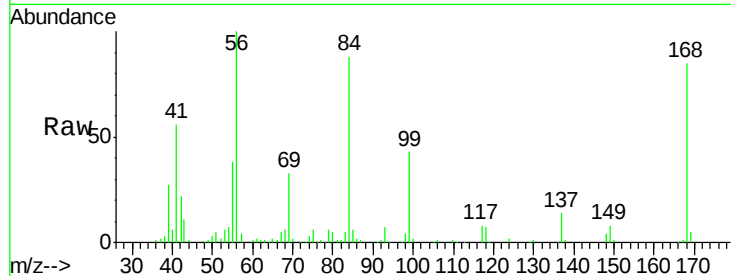
#31
Cyclohexane
Concen: 45.620 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.8	40.2
84	86.8	69.7	104.5

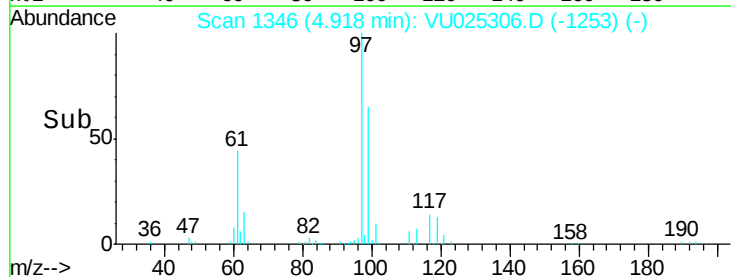
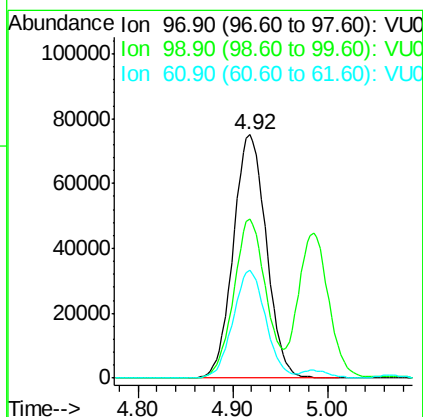
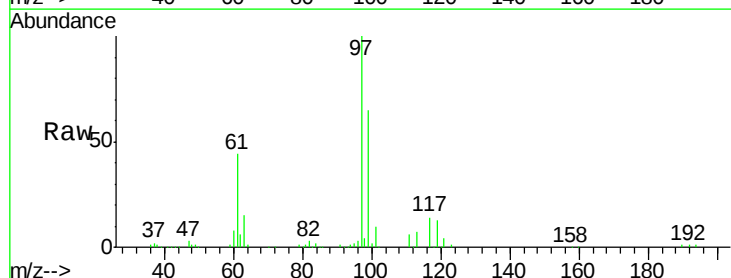
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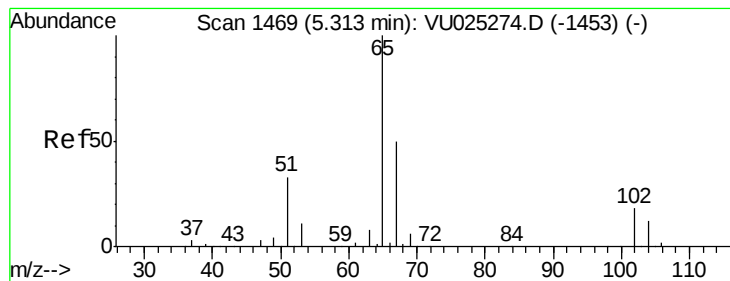
MMDadoda
7/12/2018 11:04:15 AM



#32
1,1,1-Trichloroethane
Concen: 48.945 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.8	76.2
61	43.9	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 41.581 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 118190

Ion Ratio Lower Upper

65 100

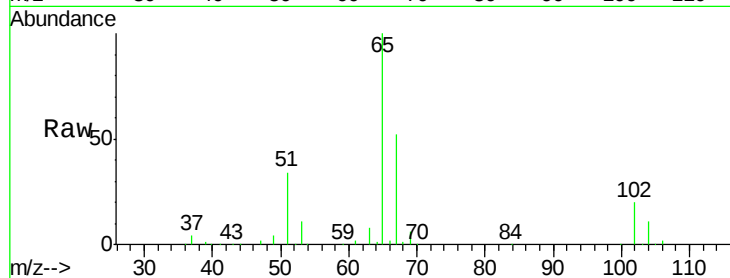
67 52.3 0.0 103.6

Manual Integrations

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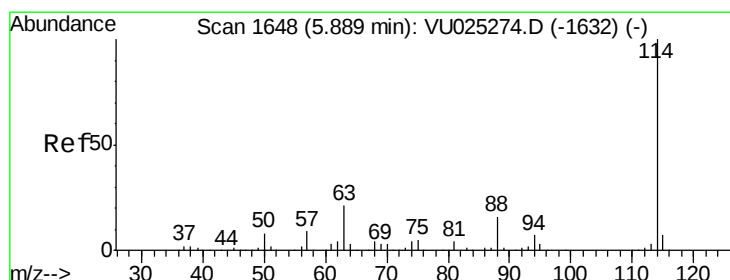
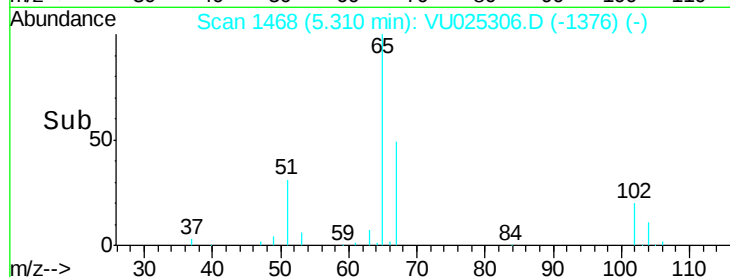
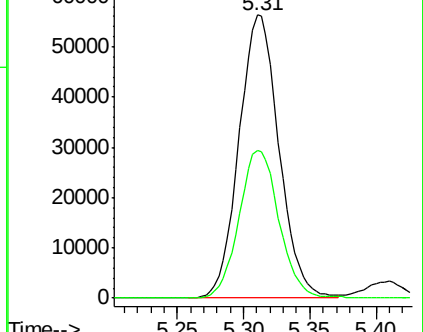
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VU025274.D (-1453) (-)

Ion 66.90 (66.60 to 67.60): VU025274.D (-1453) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

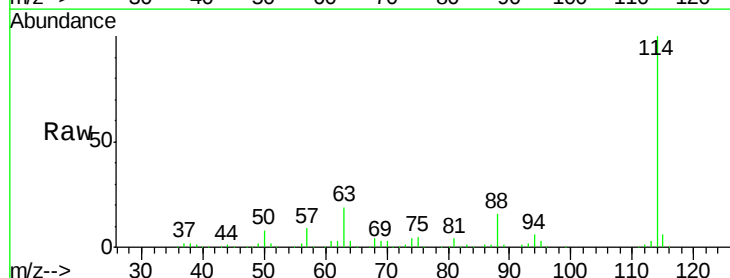
Tgt Ion: 114 Resp: 269770

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.6

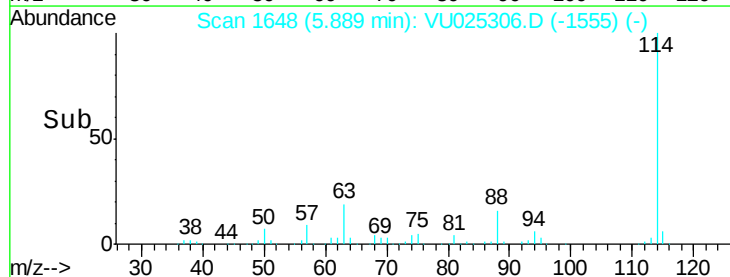
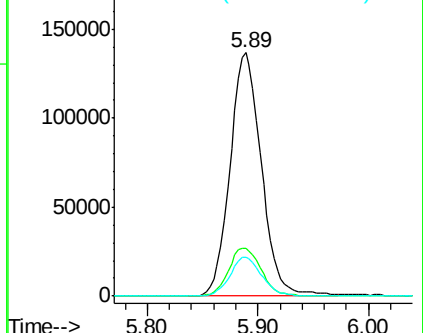
88 16.2 0.0 32.4

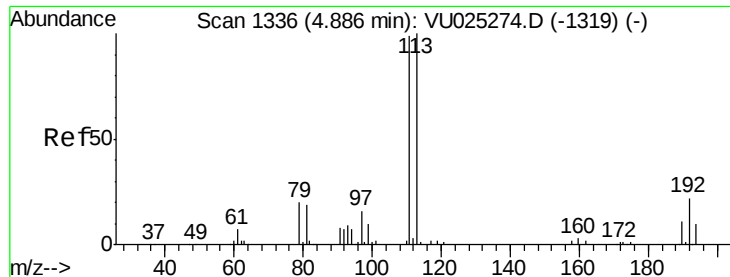


Abundance Ion 113.90 (113.60 to 114.60): VU025274.D (-1632) (-)

Ion 63.00 (62.70 to 63.70): VU025274.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU025274.D (-1632) (-)





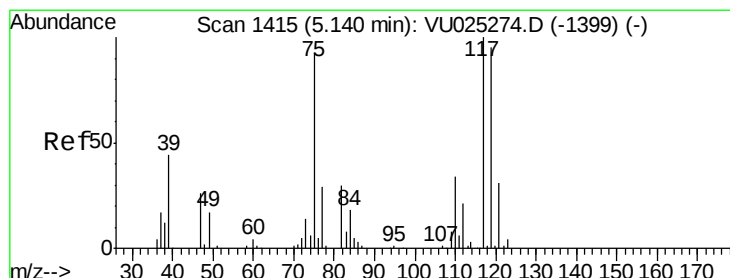
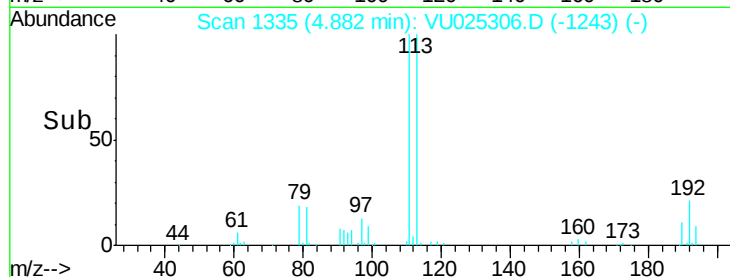
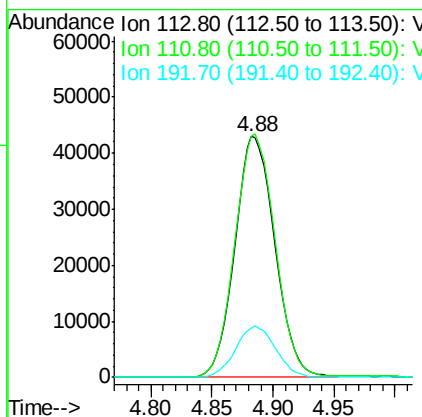
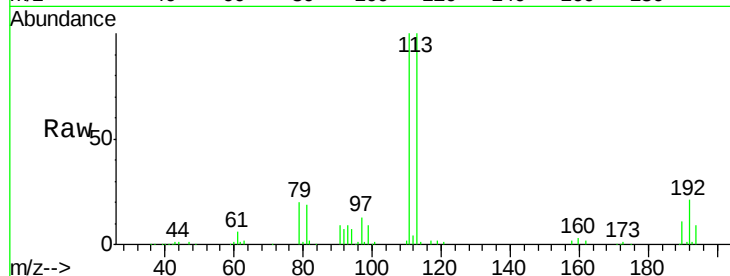
#35
Dibromofluoromethane
Concen: 42.820 ug/l
RT: 4.88 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.7	122.5
192	21.2	17.1	25.7

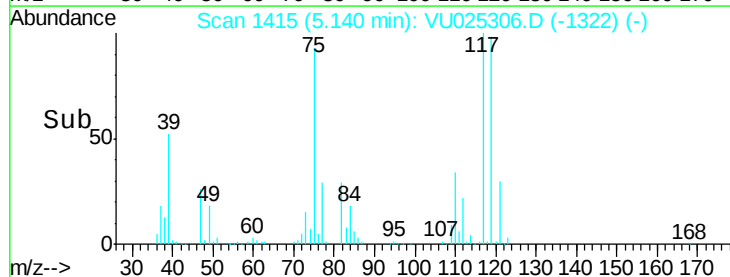
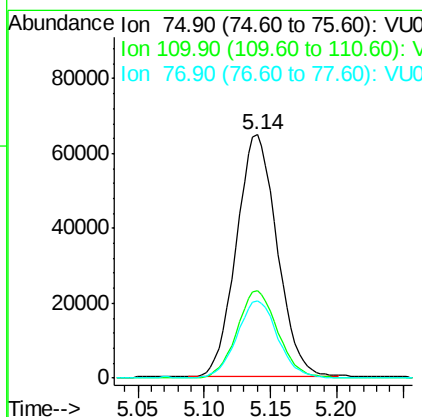
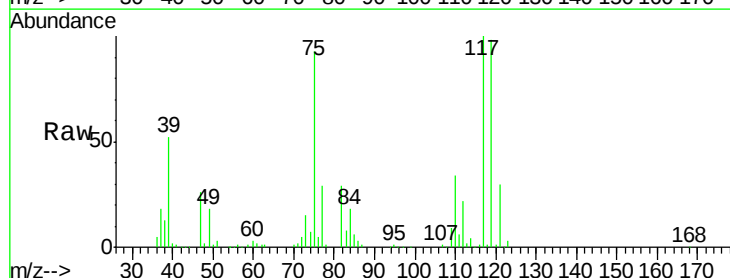
Manual Integrations
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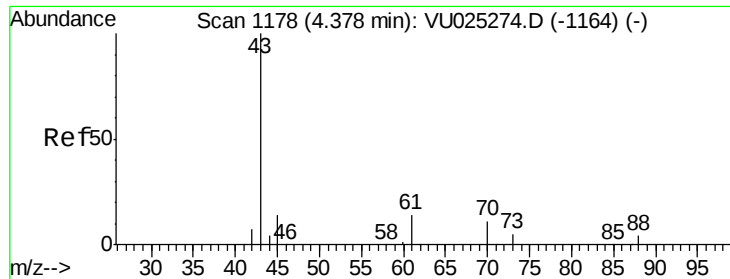
MMDadoda
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#36
1,1-Dichloropropene
Concen: 46.147 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.6	52.9
77	32.2	24.4	36.6





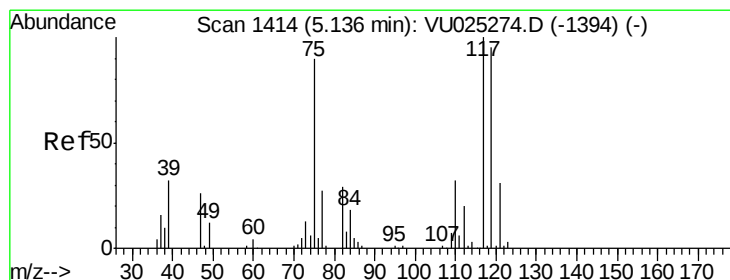
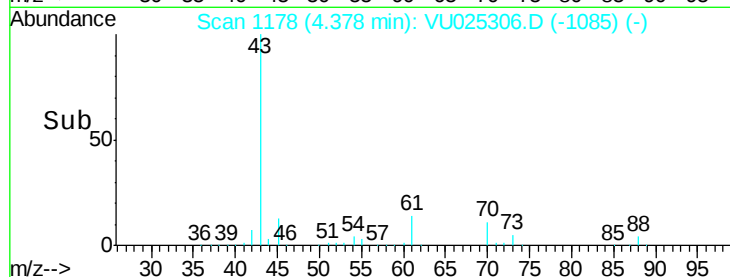
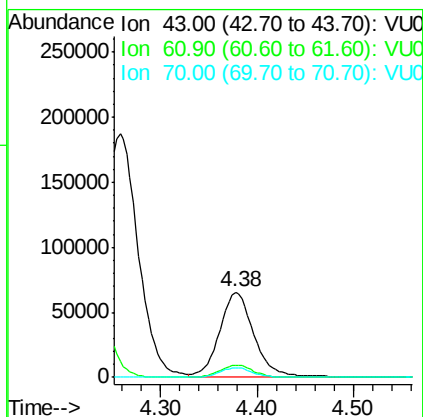
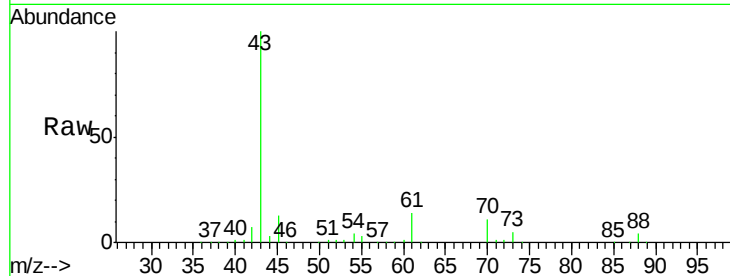
#37
Ethyl Acetate
Concen: 47.488 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	10.7	8.4	12.6

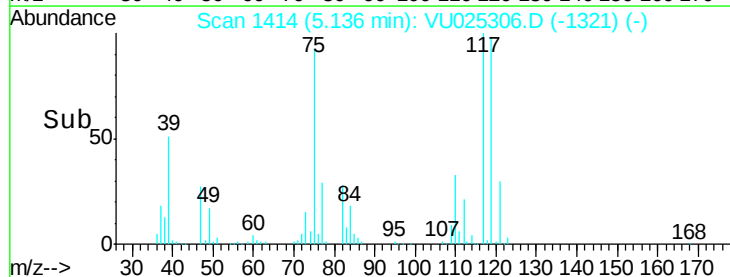
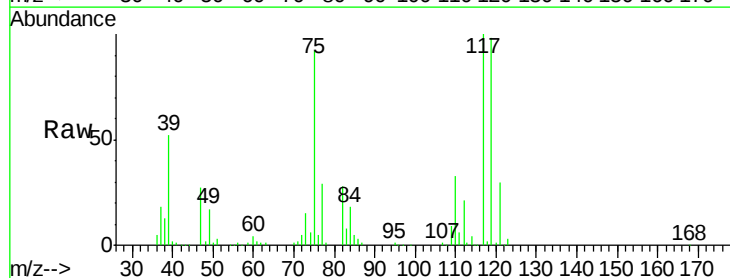
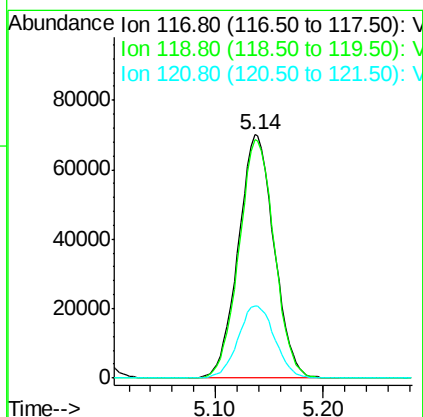
Manual Integrations
APPROVED

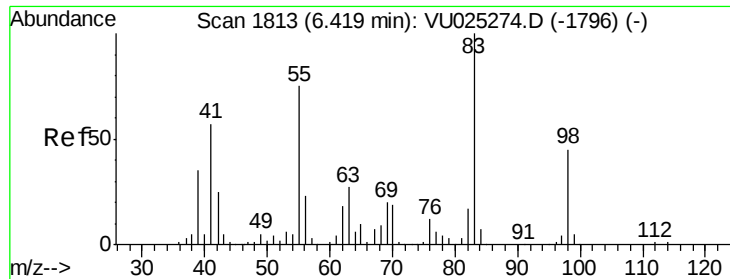
MMDadoda
7/12/2018 11:04:15 AM



#38
Carbon Tetrachloride
Concen: 50.028 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.7	113.5
121	29.7	24.6	36.8





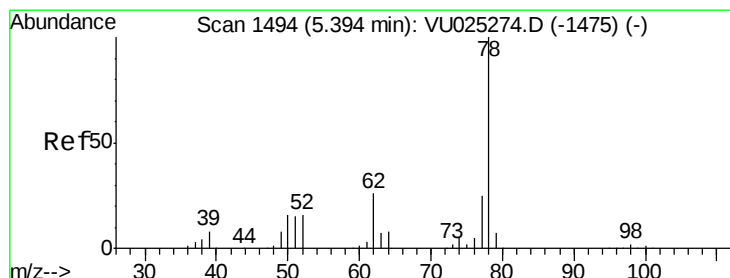
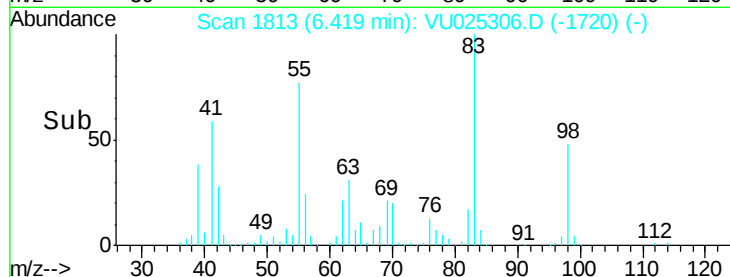
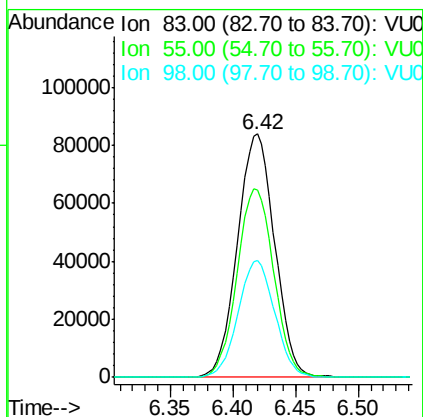
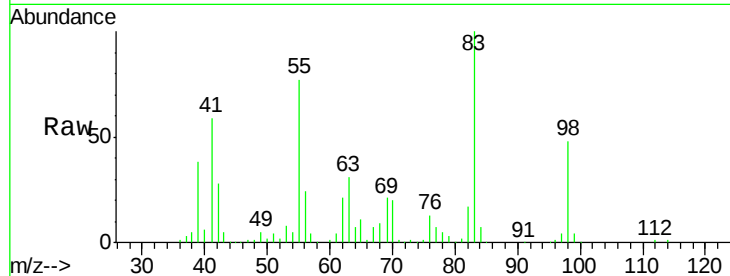
#39
Methylcyclohexane
Concen: 46.345 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.7	60.0	90.0
98	48.2	36.1	54.1

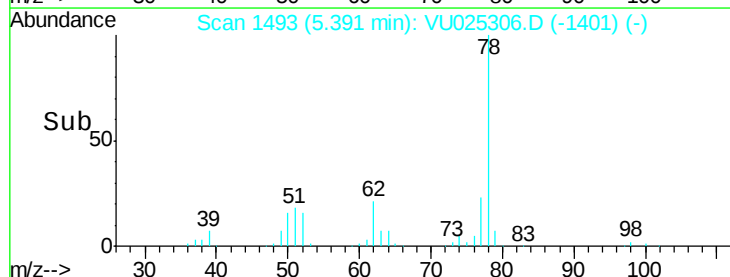
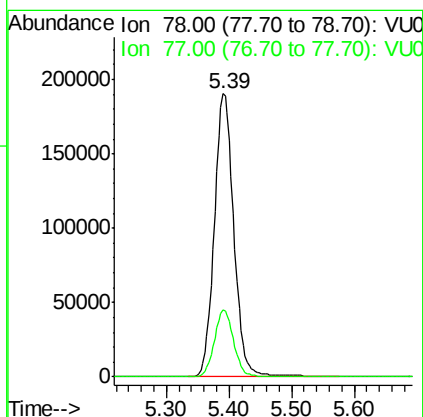
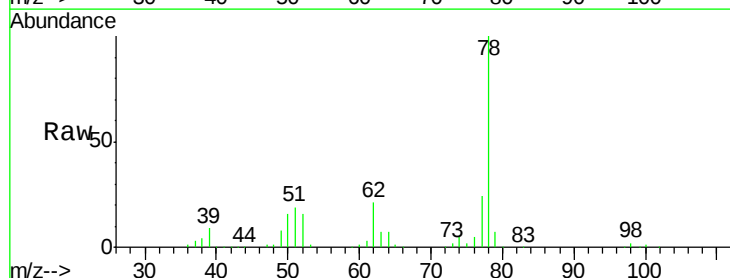
Manual Integrations
APPROVED

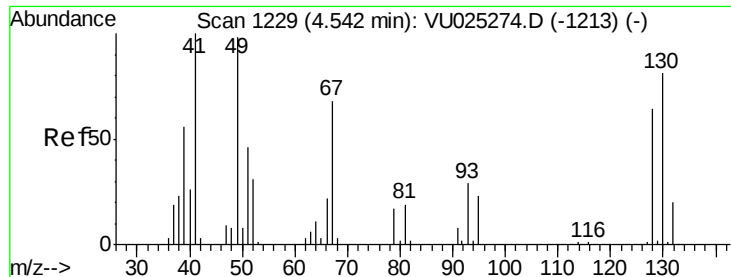
MMDadoda
7/12/2018 11:04:15 AM



#40
Benzene
Concen: 47.693 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.8	29.6





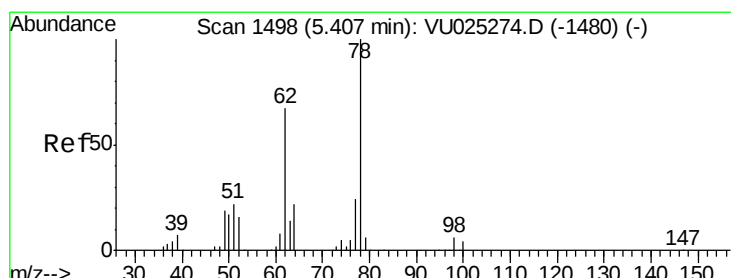
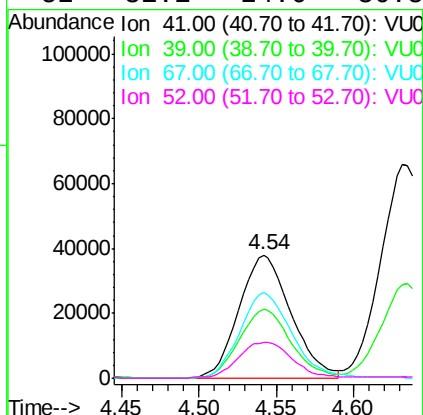
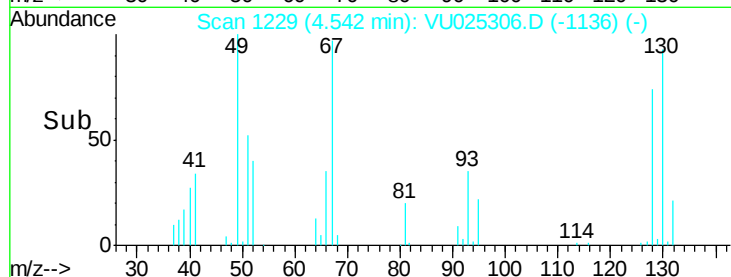
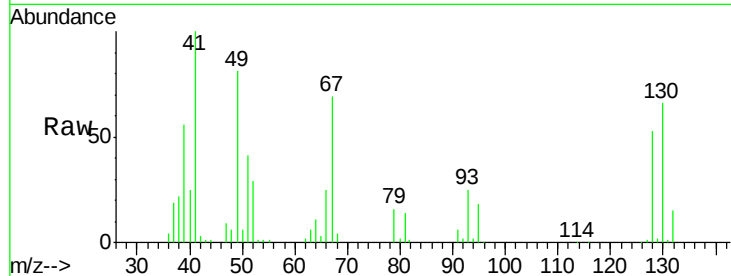
#41
Methacrylonitrile
Concen: 47.844 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.4	66.6
67	69.4	56.0	84.0
52	31.1	24.6	36.8

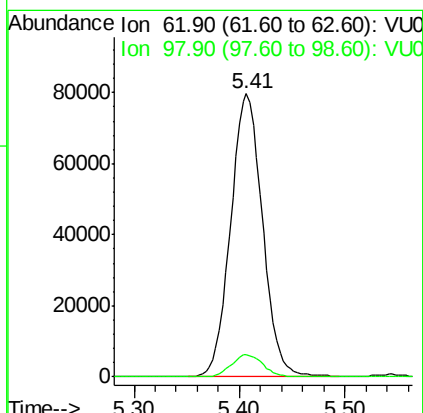
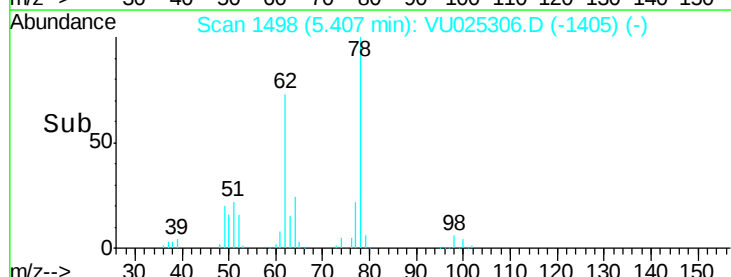
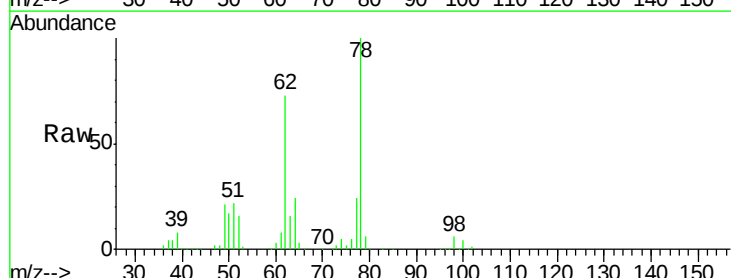
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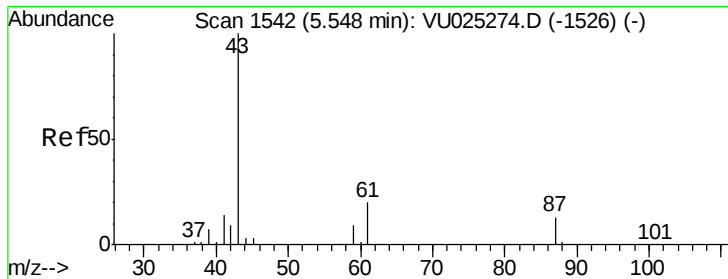
MMDadoda
7/12/2018 11:04:15 AM



#42
1,2-Dichloroethane
Concen: 48.637 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.4





#43

Isopropyl Acetate

Concen: 47.873 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

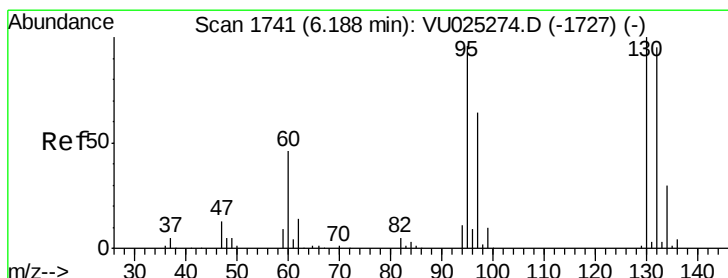
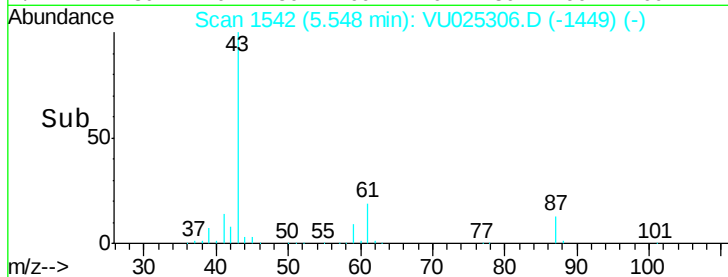
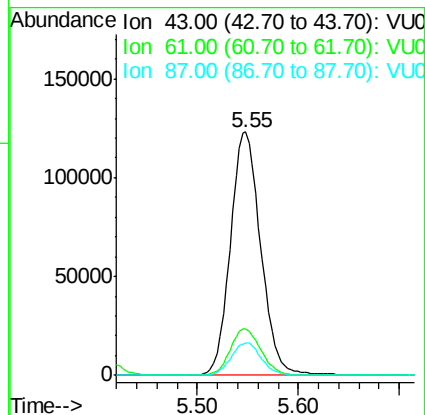
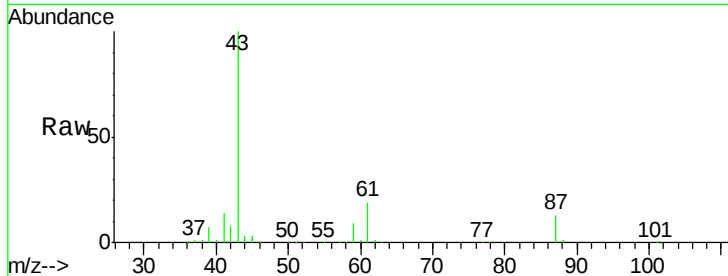
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	256420
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.5	23.3
87	13.4	10.6	16.0

Manual Integrations
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7/12/2018 11:04:15 AM



#44

Trichloroethene

Concen: 46.897 ug/l

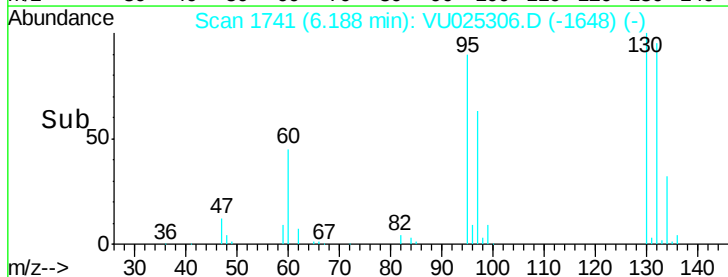
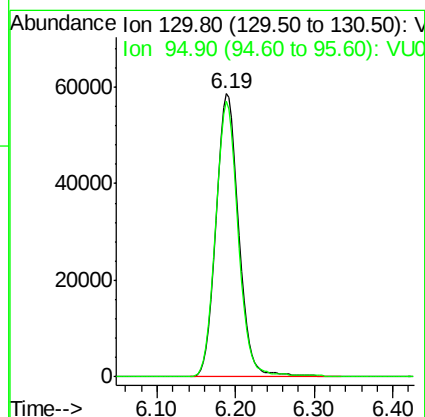
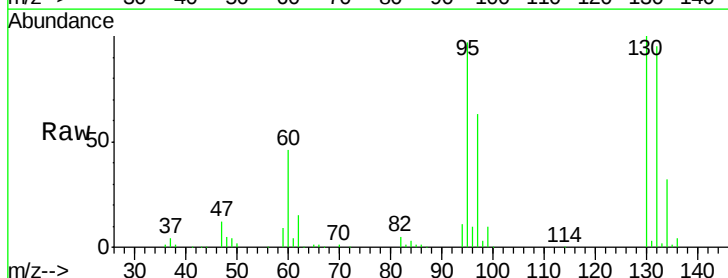
RT: 6.19 min Scan# 1741

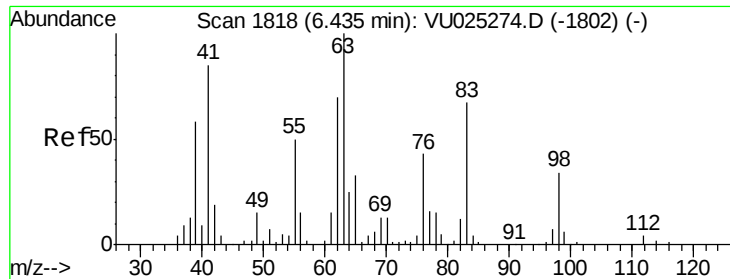
Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Tgt Ion:	130	Resp:	116383
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	192.2





#45

1,2-Dichloropropane

Concen: 48.551 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 109907

Ion Ratio Lower Upper

63 100

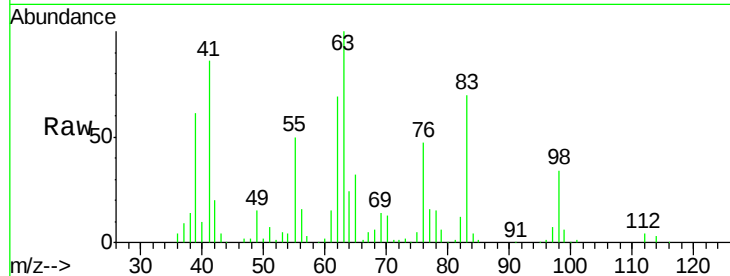
65 32.0 26.1 39.1

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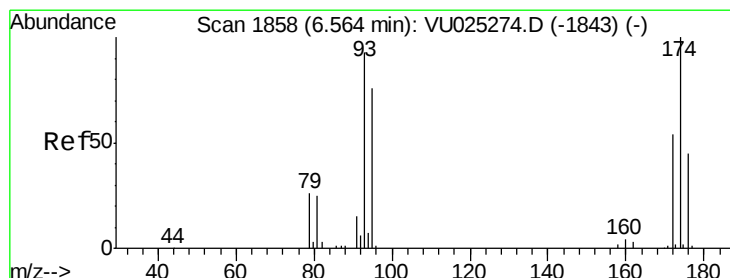
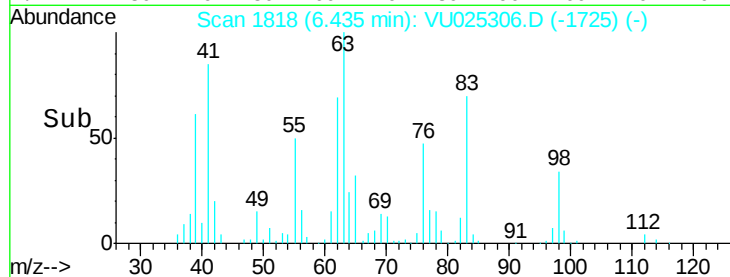
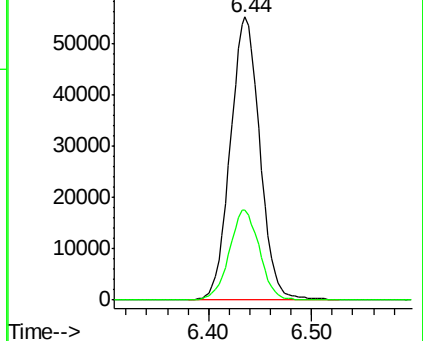
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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 47.455 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

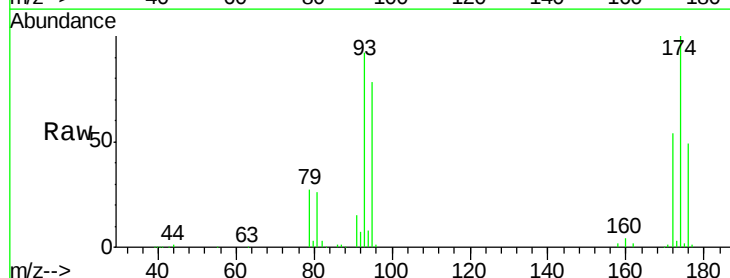
Tgt Ion: 93 Resp: 78178

Ion Ratio Lower Upper

93 100

95 84.0 66.6 100.0

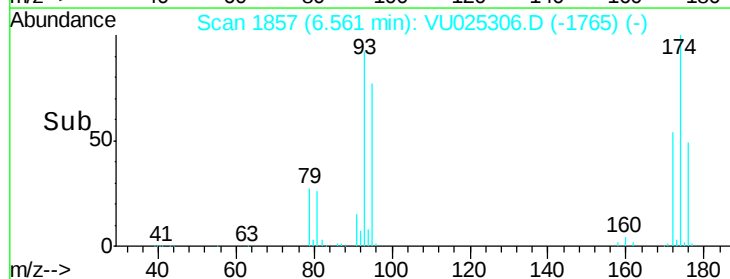
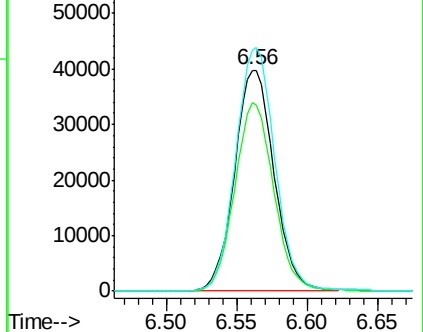
174 109.8 85.8 128.8

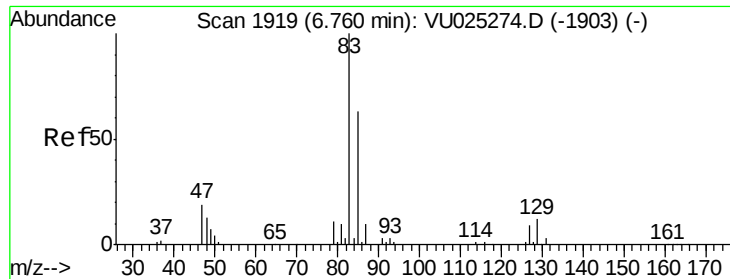


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.733 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

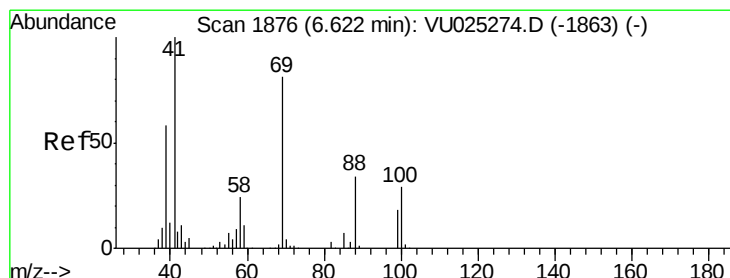
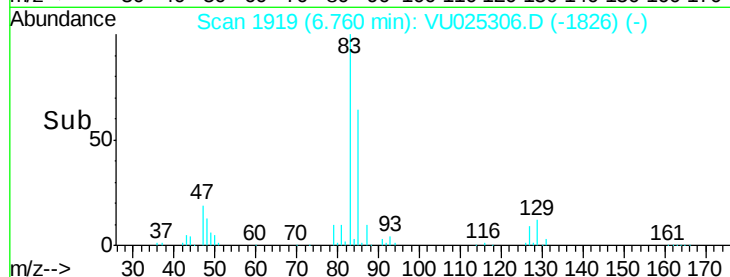
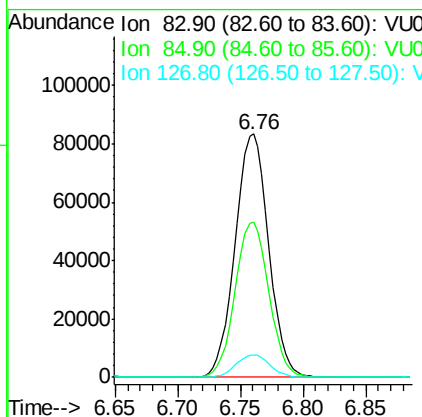
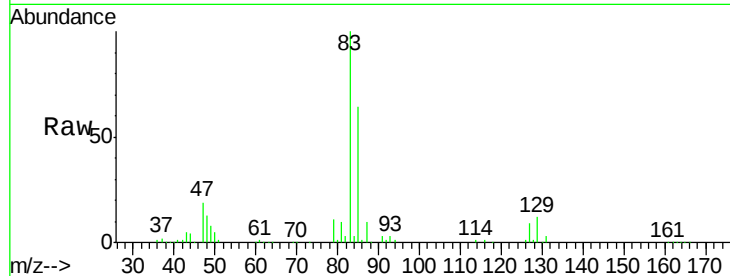
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	155259
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.2	75.4
127	9.3	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.854 ug/l

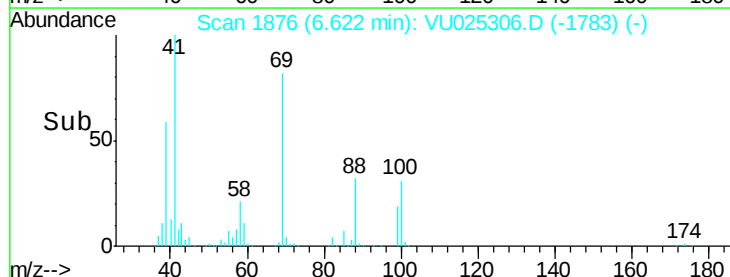
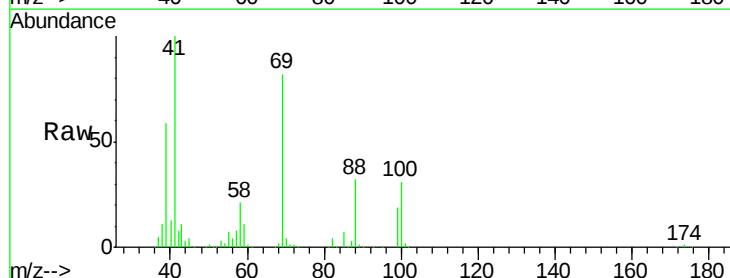
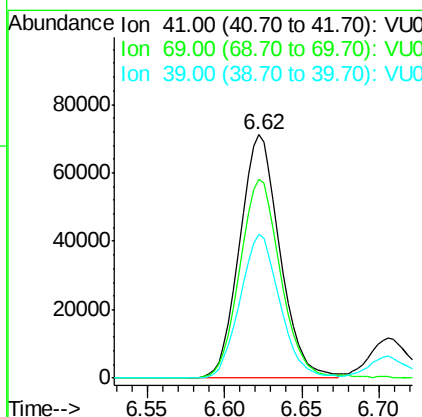
RT: 6.62 min Scan# 1876

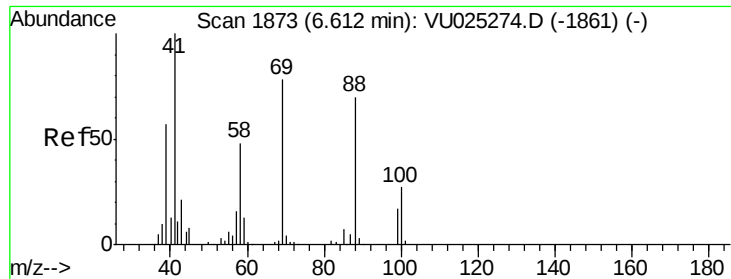
Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Tgt Ion:	41	Resp:	127780
Ion	Ratio	Lower	Upper
41	100		
69	83.6	65.0	97.4
39	59.0	46.4	69.6





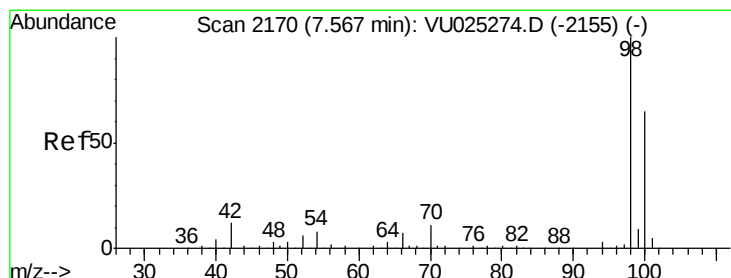
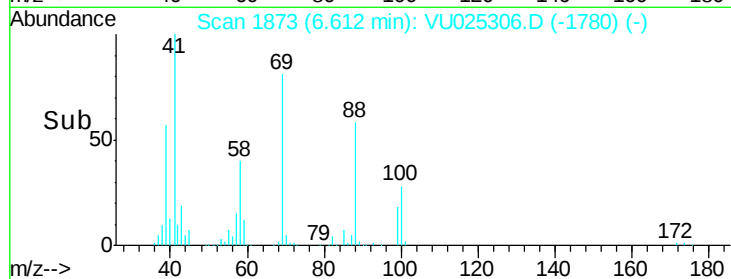
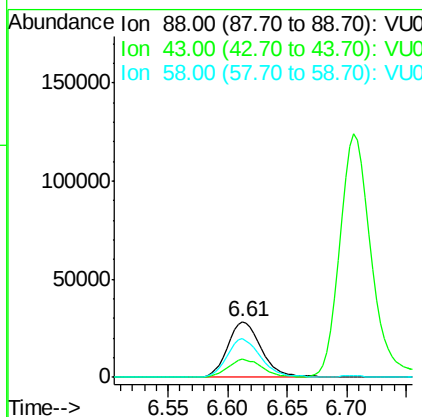
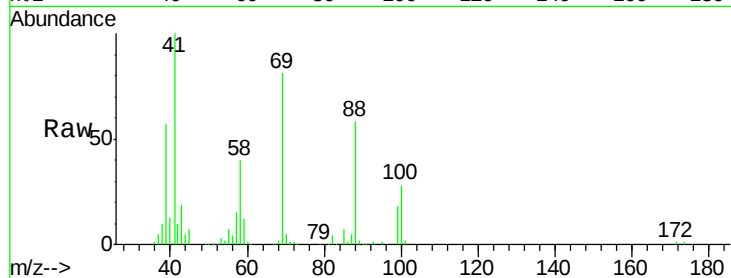
#49
1,4-Dioxane
Concen: 859.336 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.3	40.9
58	70.2	57.6	86.4

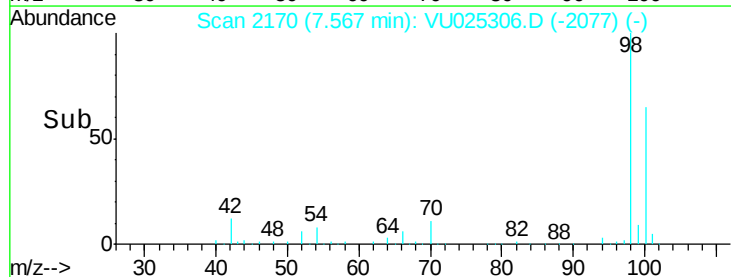
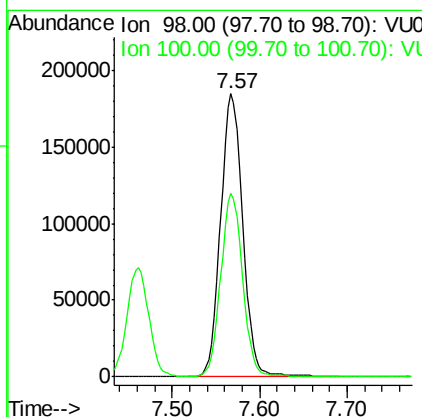
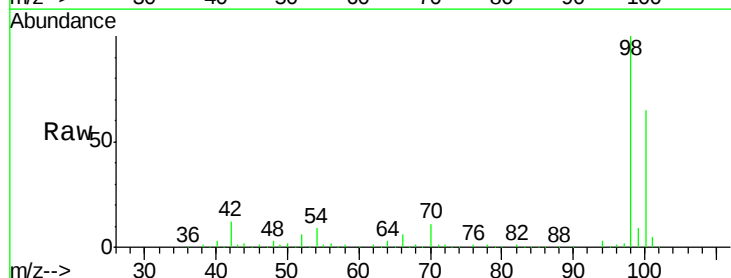
Manual Integrations
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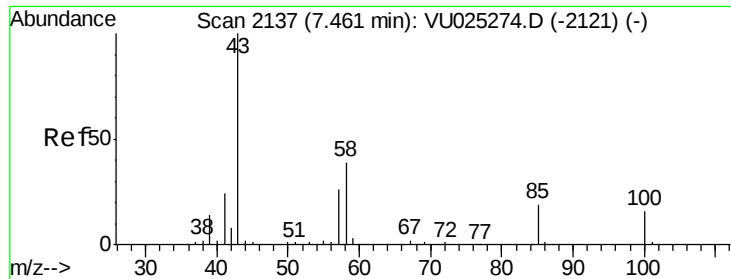
MMDadoda
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#50
Toluene-d8
Concen: 41.846 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 234.604 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 816726

Ion Ratio Lower Upper

43 100

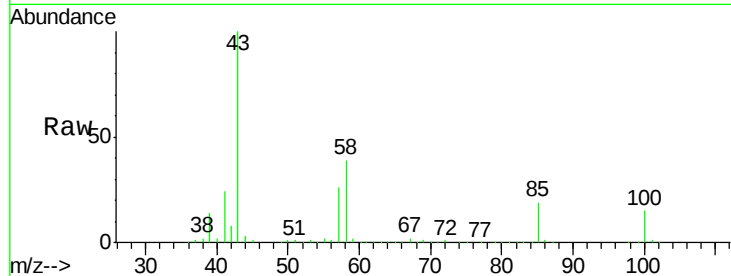
58 38.8 31.0 46.4

Manual Integrations

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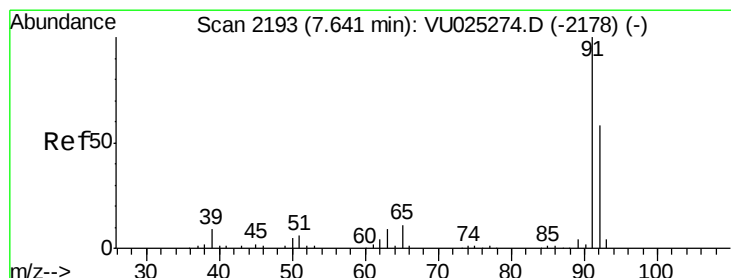
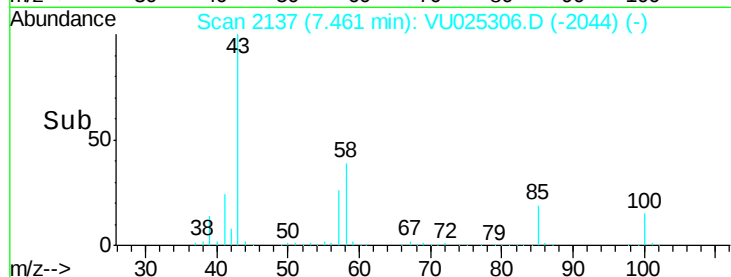
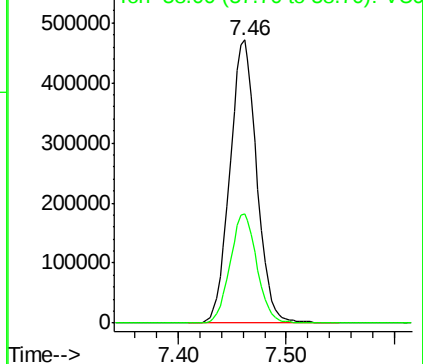
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 48.841 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025306.D

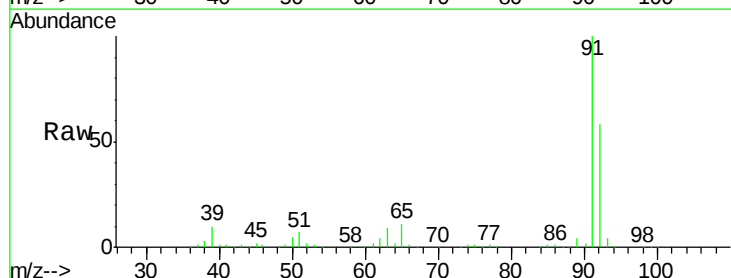
Acq: 11 Jul 2018 10:40

Tgt Ion: 92 Resp: 268559

Ion Ratio Lower Upper

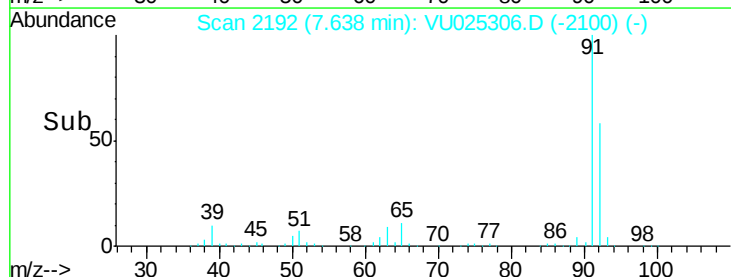
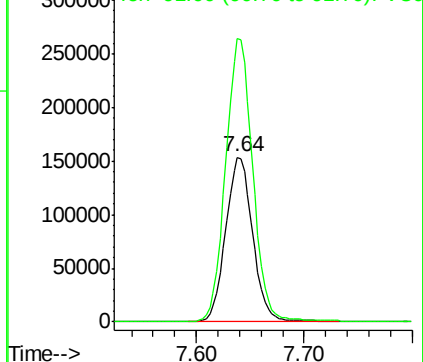
92 100

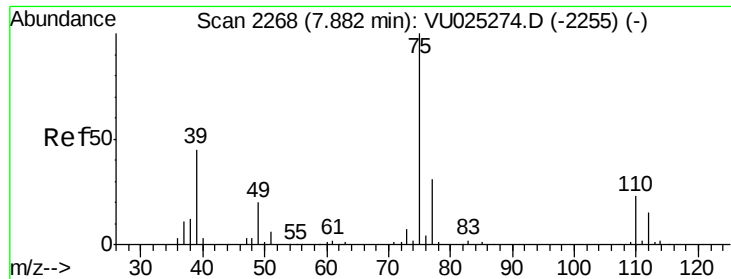
91 171.9 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





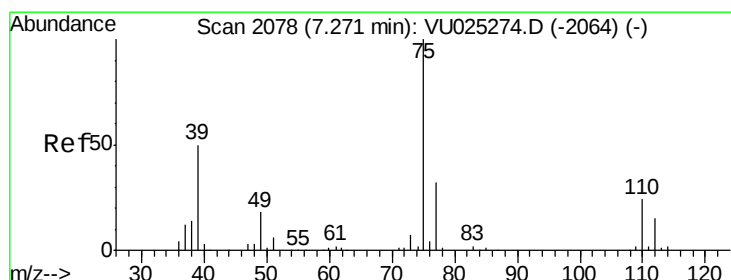
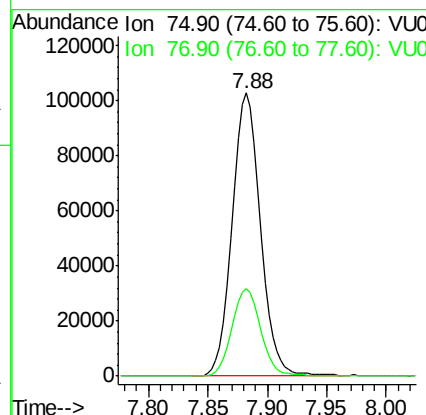
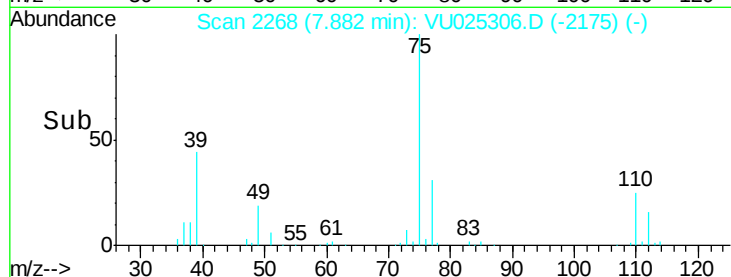
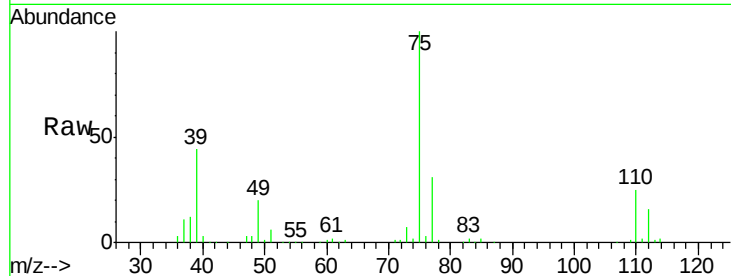
#53
t-1,3-Dichloropropene
Concen: 50.523 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 169879
Ion Ratio Lower Upper
75 100
77 30.9 24.5 36.7

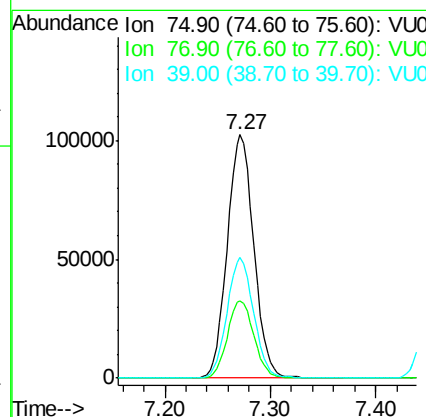
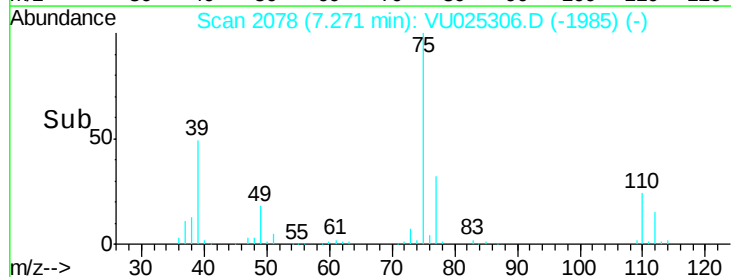
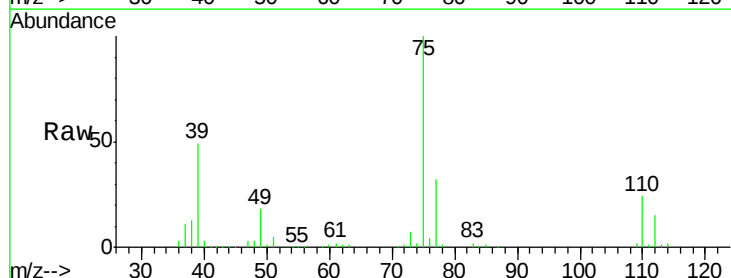
Manual Integrations
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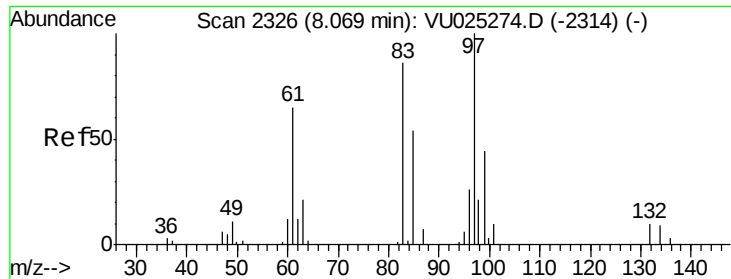
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.954 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion: 75 Resp: 178765
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4
39 49.4 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 49.531 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

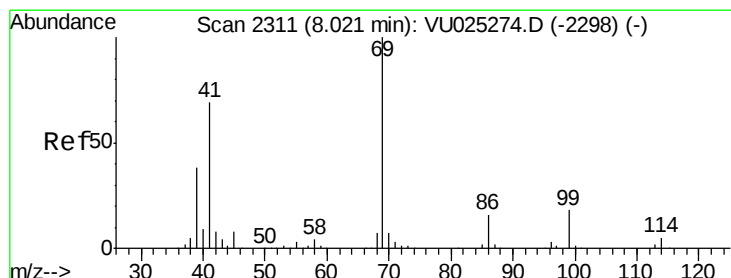
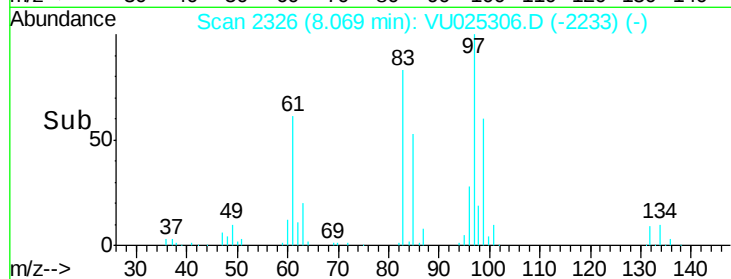
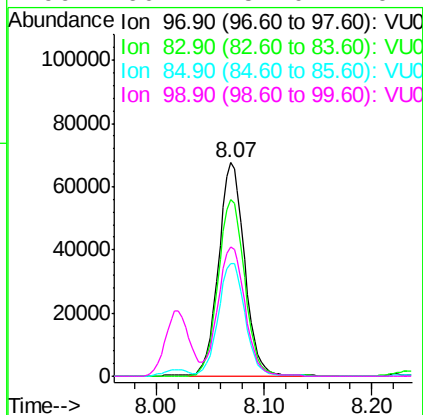
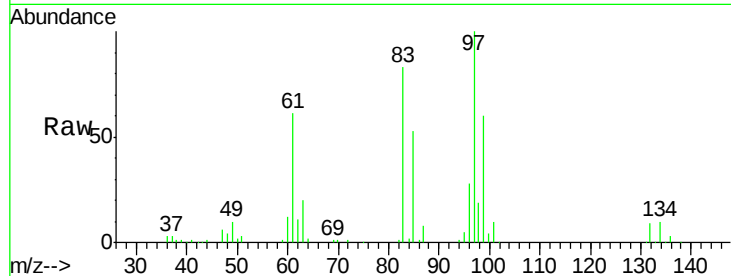
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	113429
Ion Ratio	Lower	Upper	
97	100		
83	82.6	68.9	103.3
85	52.8	44.4	66.6
99	60.2	51.0	76.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.070 ug/l

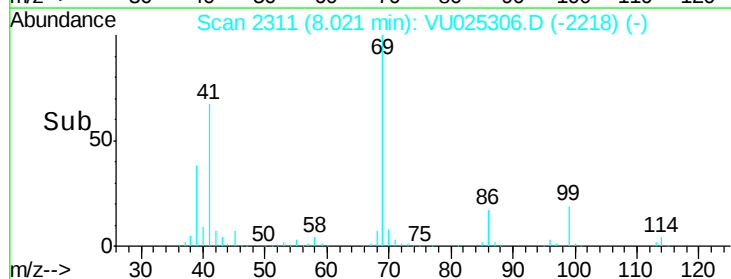
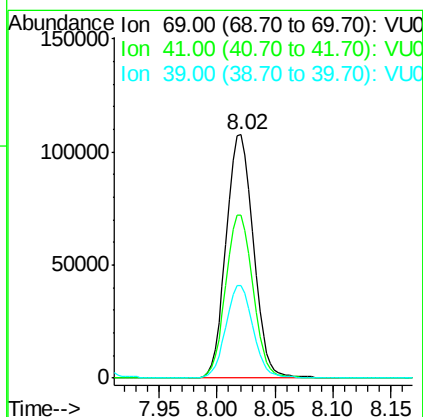
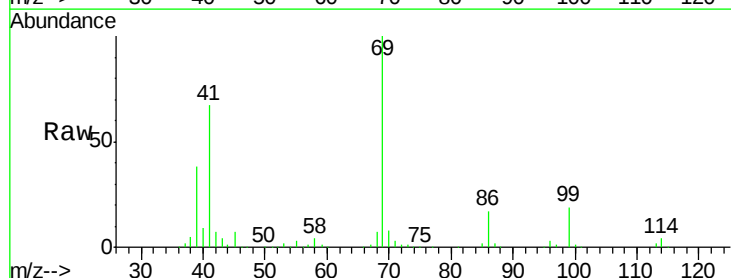
RT: 8.02 min Scan# 2311

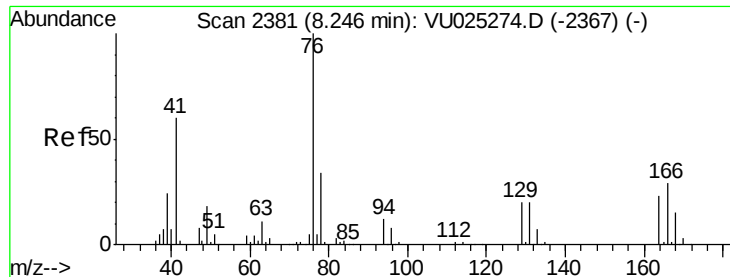
Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Tgt Ion:	69	Resp:	175513
Ion Ratio	Lower	Upper	
69	100		
41	67.2	54.8	82.2
39	37.3	31.1	46.7





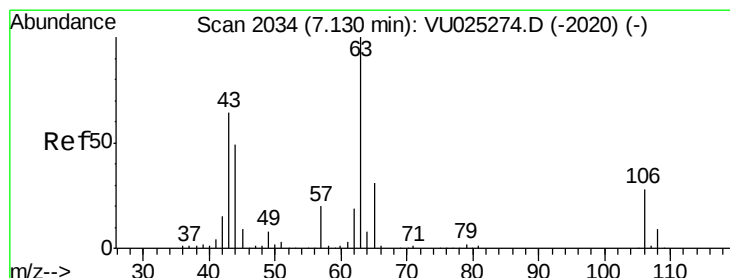
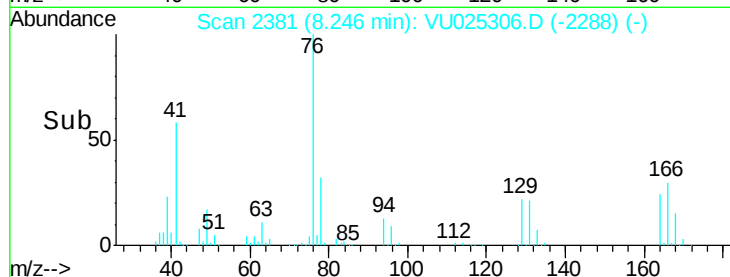
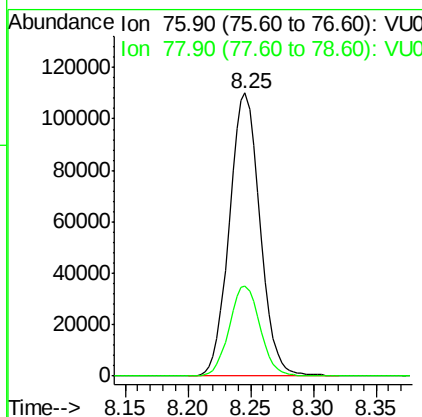
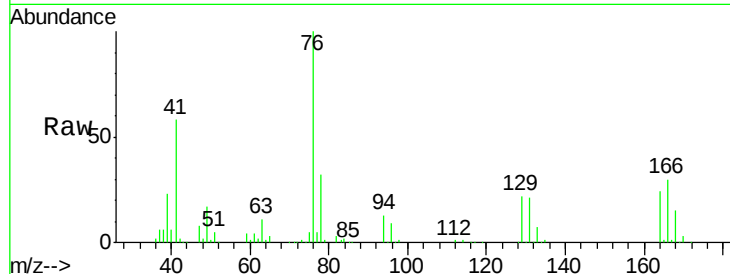
#57
 1,3-Dichloropropane
 Concen: 49.204 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 187058
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1

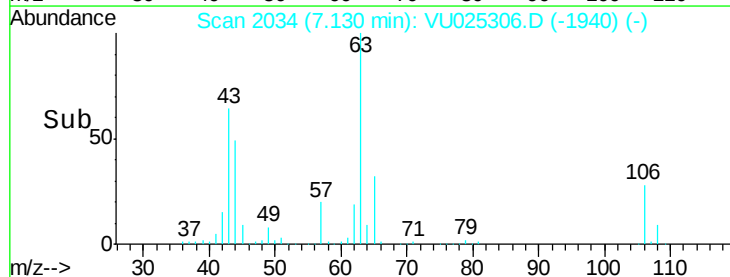
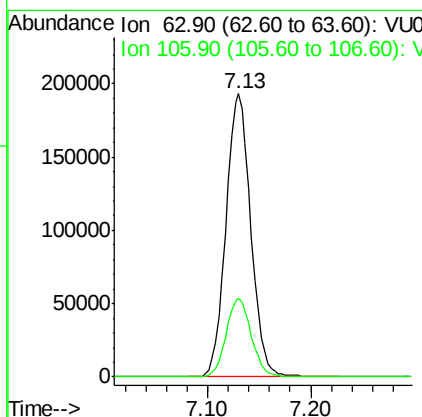
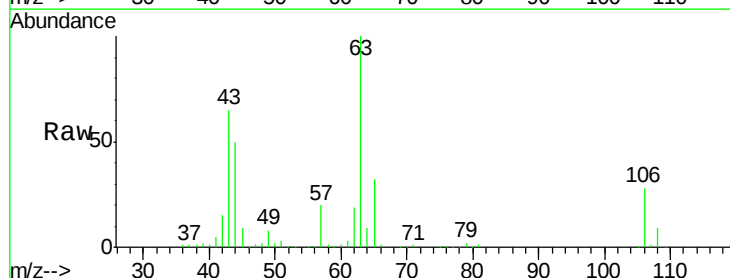
Manual Integrations
 APPROVED

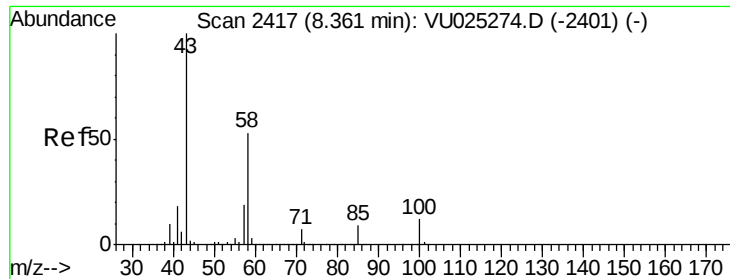
MMDadoda
 7/12/2018 11:04:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 202.140 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Tgt Ion: 63 Resp: 324109
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.3 33.5





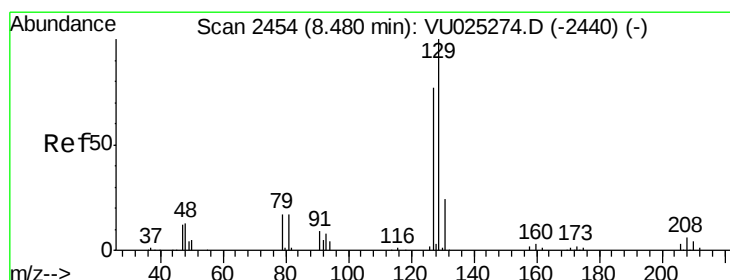
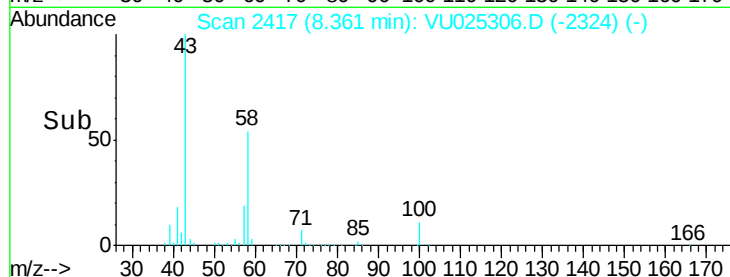
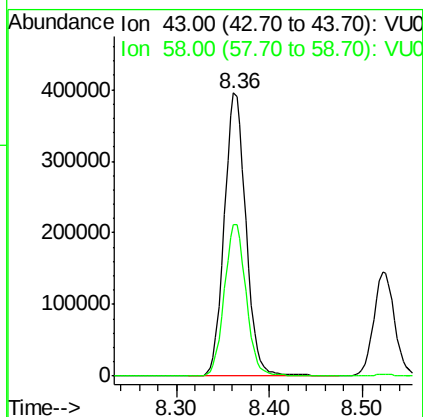
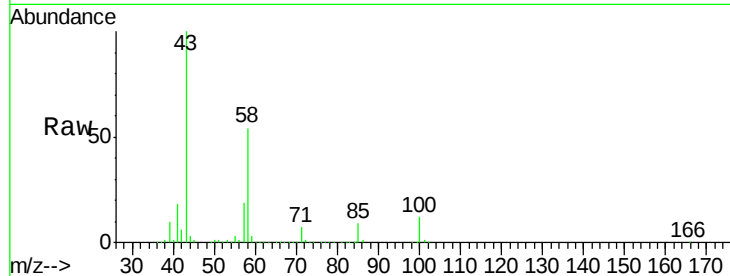
#59
2-Hexanone
Concen: 227.559 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 642578
Ion Ratio Lower Upper
43 100
58 54.0 26.2 78.5

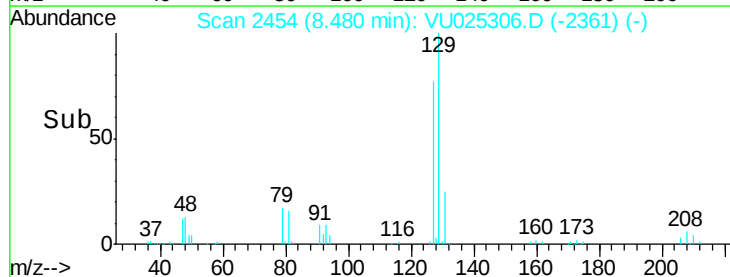
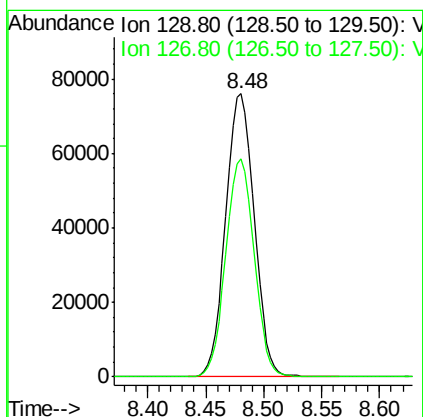
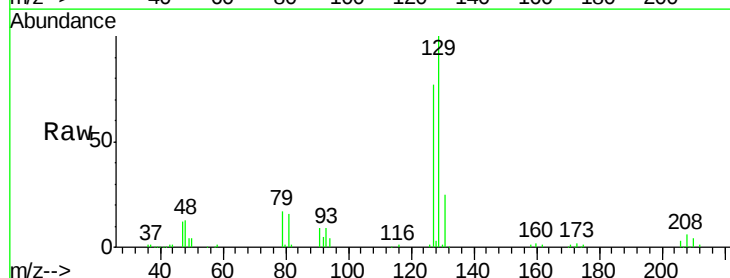
Manual Integrations
APPROVED

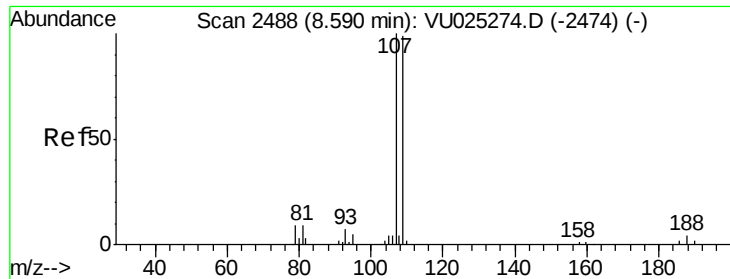
MMDadoda
7/12/2018 11:04:15 AM



#60
Dibromochloromethane
Concen: 52.500 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion: 129 Resp: 129842
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 49.467 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 121213

Ion Ratio Lower Upper

107 100

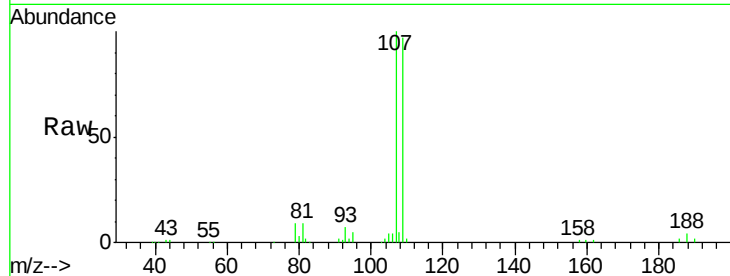
109 94.3 75.8 113.8

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

80000

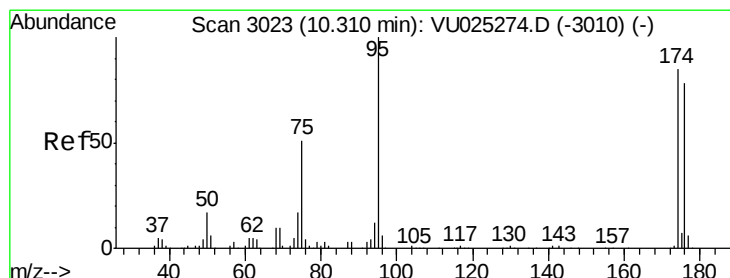
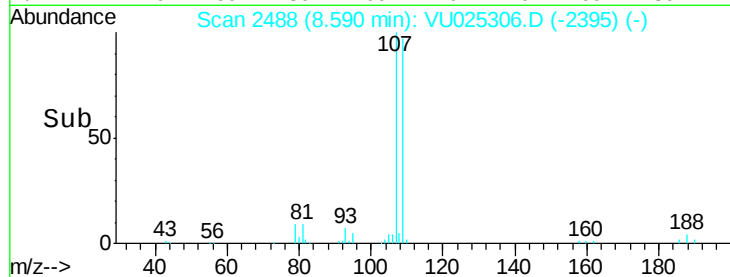
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.155 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

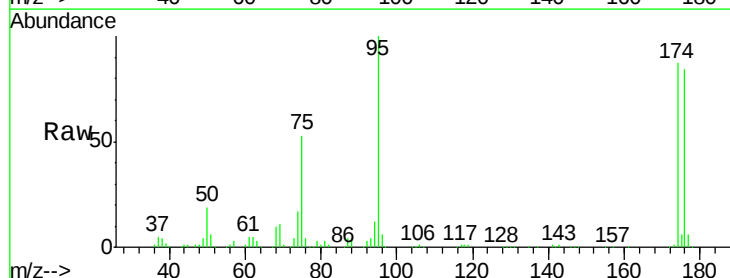
Tgt Ion: 95 Resp: 135399

Ion Ratio Lower Upper

95 100

174 87.5 0.0 172.2

176 84.4 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

10.31

100000

80000

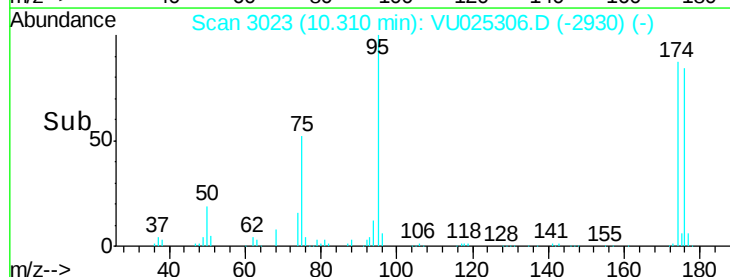
60000

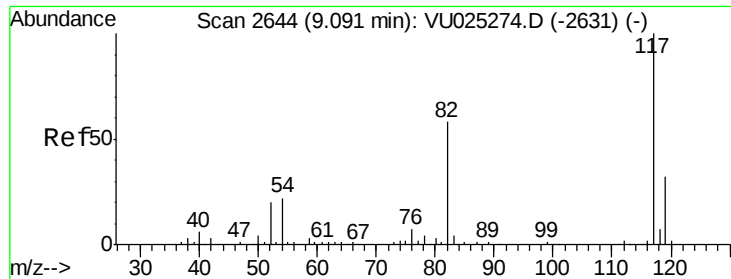
40000

20000

0

Time-->





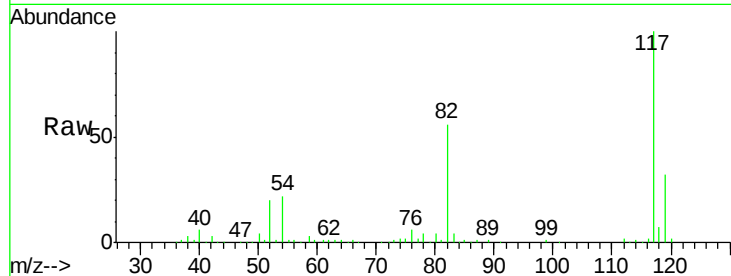
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	256520		
82	55.8	46.0	69.0	
119	31.7	26.0	39.0	

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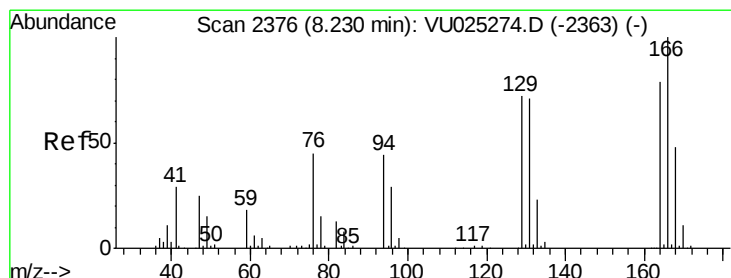
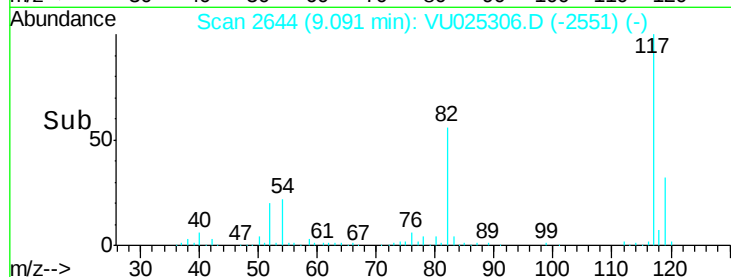
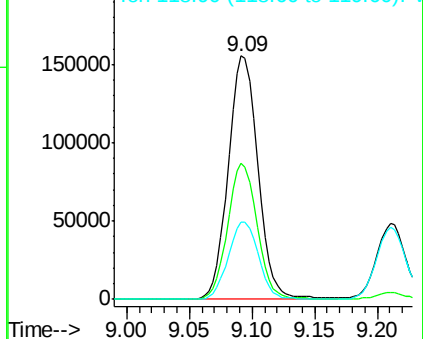


Abundance

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: 48.778 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114058		
166	129.6	101.1	151.7	
129	90.5	73.0	109.6	
131	89.4	72.1	108.1	

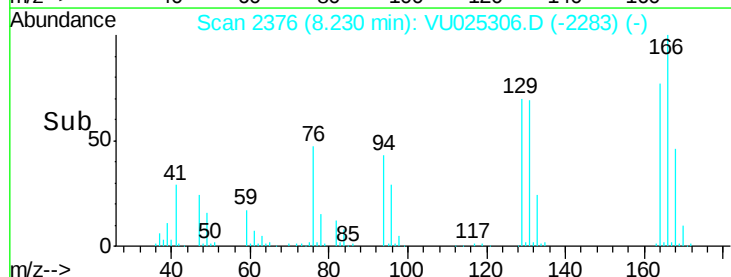
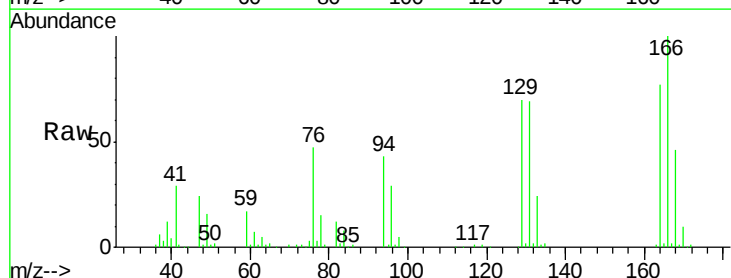
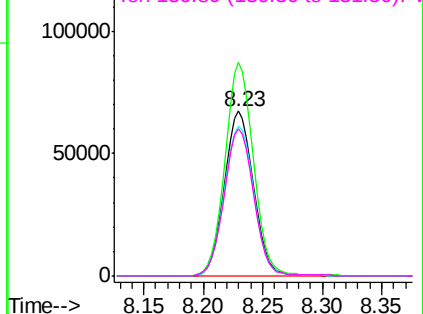
Abundance

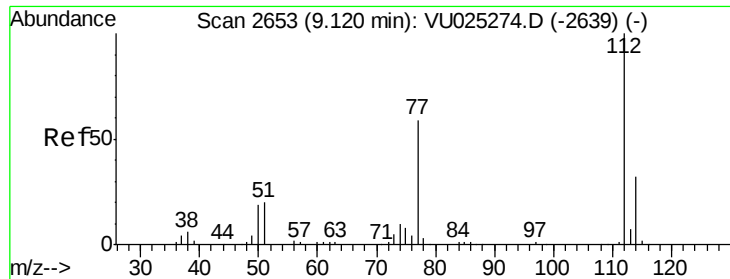
Ion 163.80 (163.50 to 164.50): V

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





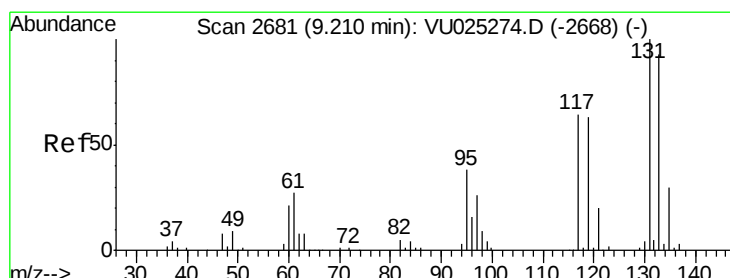
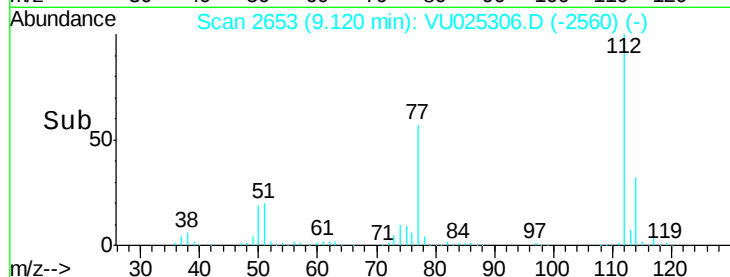
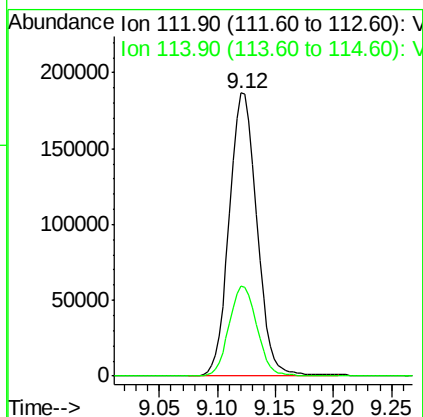
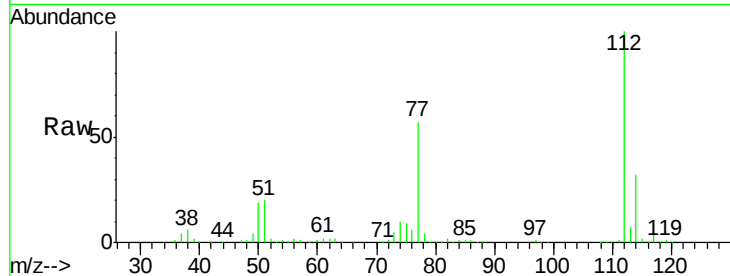
#65
Chlorobenzene
Concen: 48.370 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 309958
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8

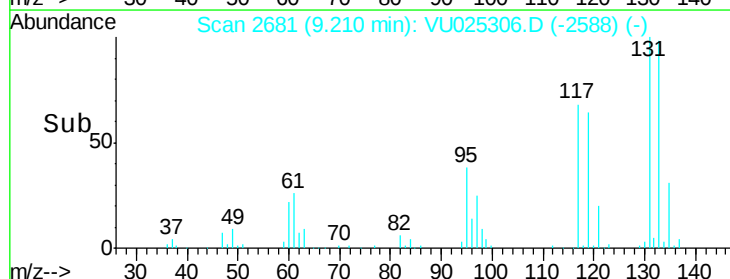
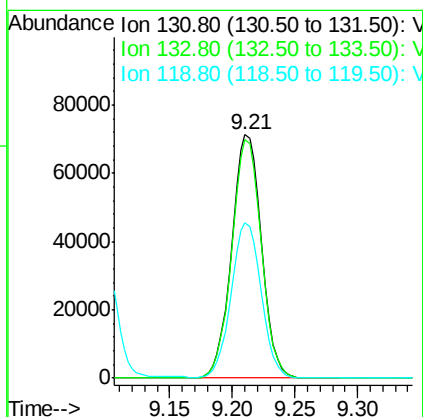
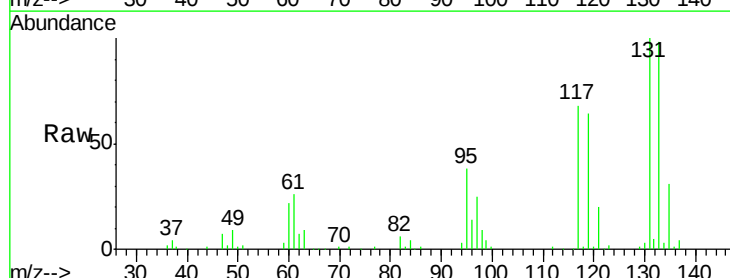
Manual Integrations
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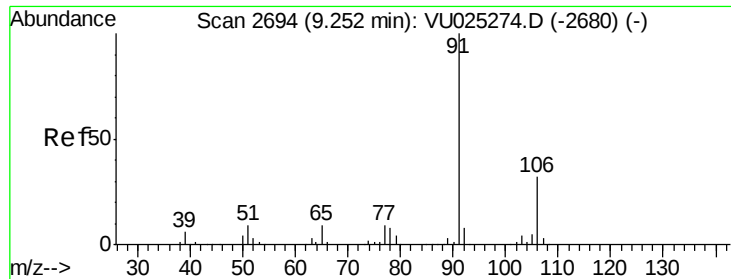
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.162 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion:131 Resp: 117277
Ion Ratio Lower Upper
131 100
133 97.0 47.8 143.3
119 64.5 31.6 95.0





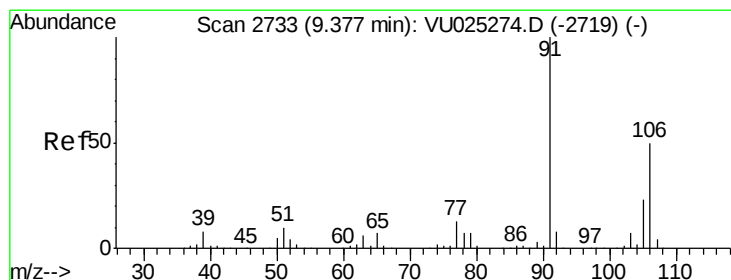
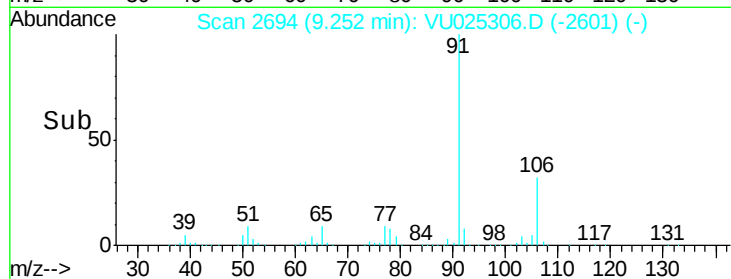
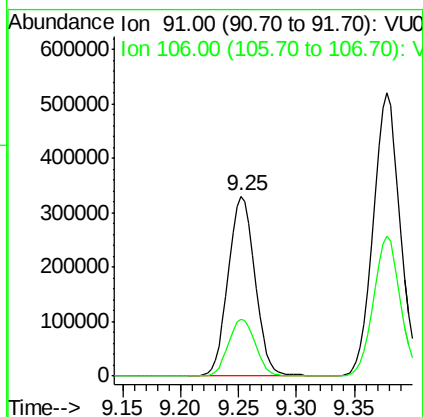
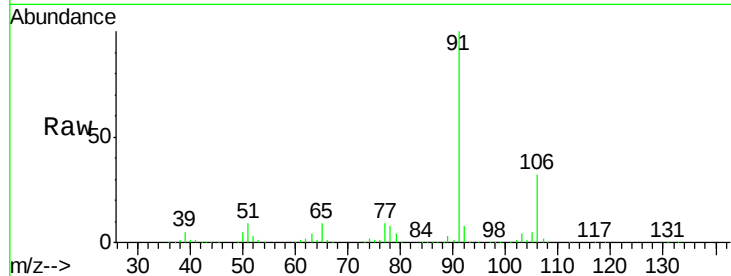
#67
Ethyl Benzene
Concen: 48.495 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 529806
Ion Ratio Lower Upper
91 100
106 31.8 25.3 37.9

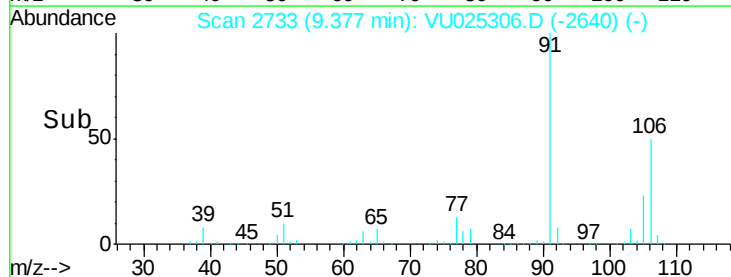
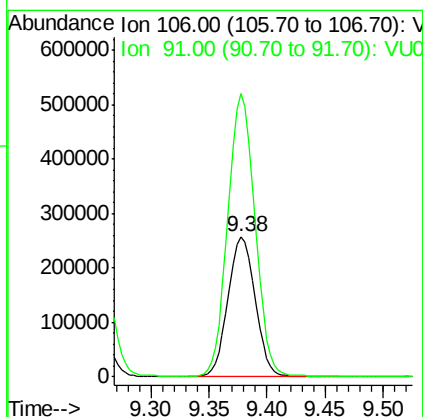
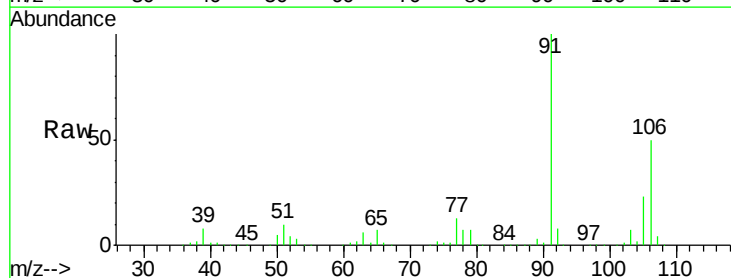
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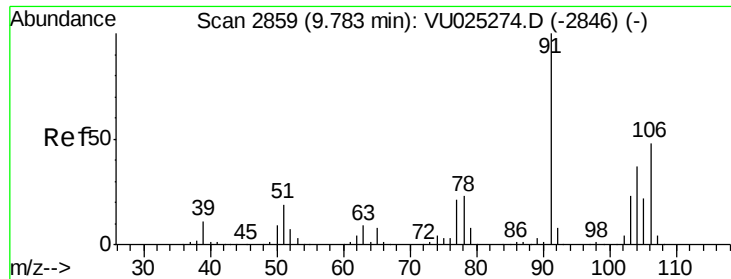
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#68
m/p-Xylenes
Concen: 98.487 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion: 106 Resp: 415977
Ion Ratio Lower Upper
106 100
91 201.6 162.3 243.5





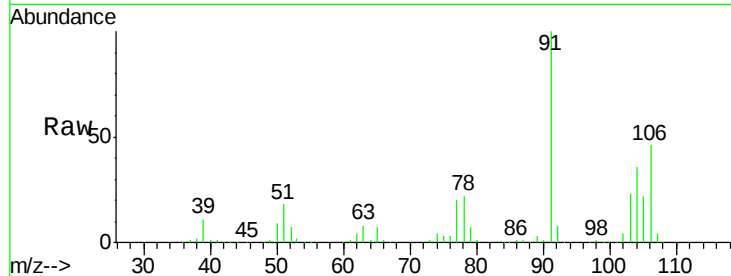
#69
o-Xylene
Concen: 48.385 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

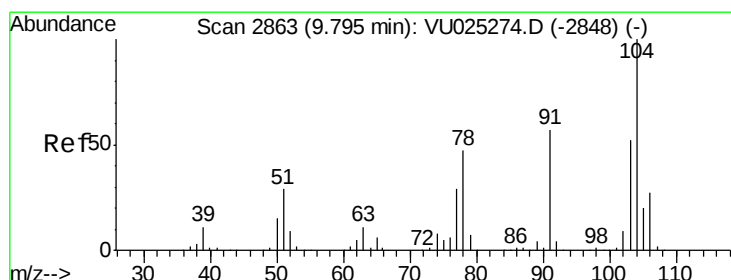
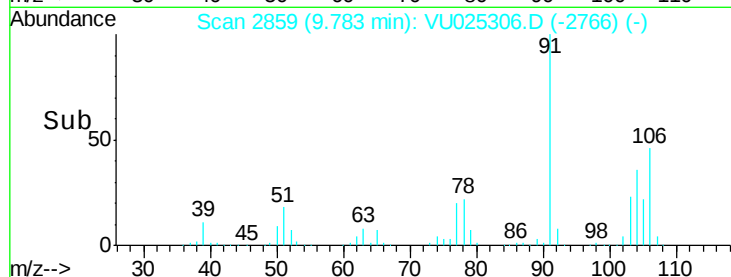
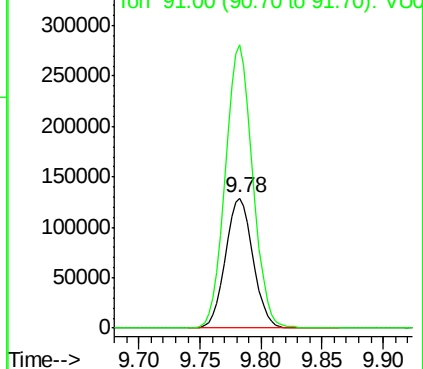
Tgt Ion:106 Resp: 204601
Ion Ratio Lower Upper
106 100
91 216.5 105.3 315.8

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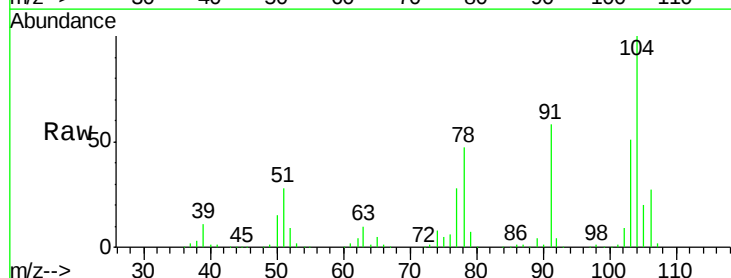


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

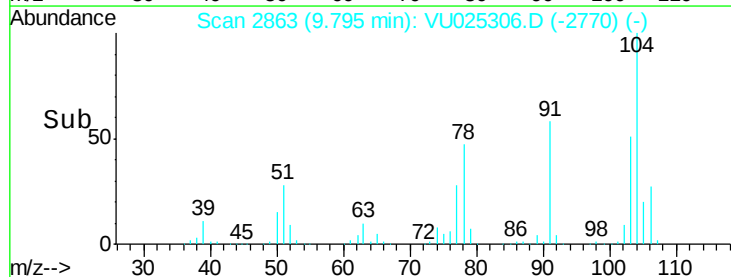
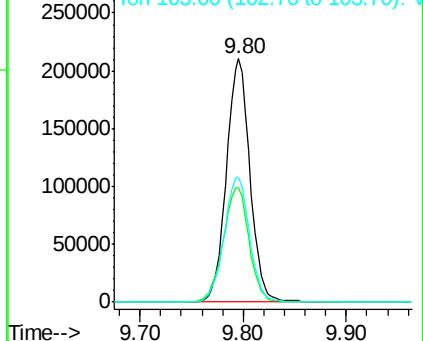


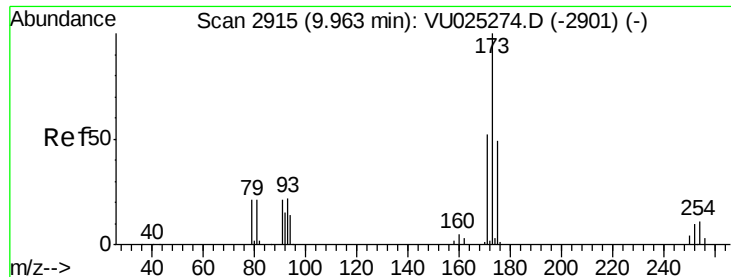
#70
Styrene
Concen: 49.807 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion:104 Resp: 334545
Ion Ratio Lower Upper
104 100
78 51.7 41.6 62.4
103 55.7 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: 45.548 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

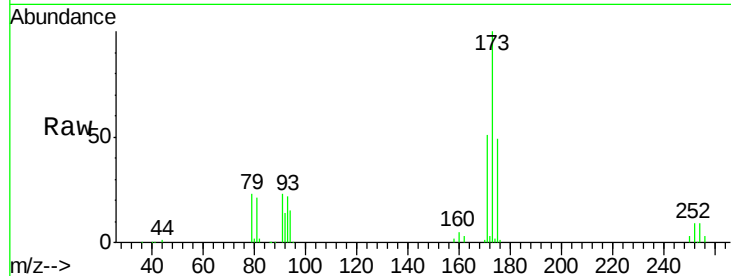
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
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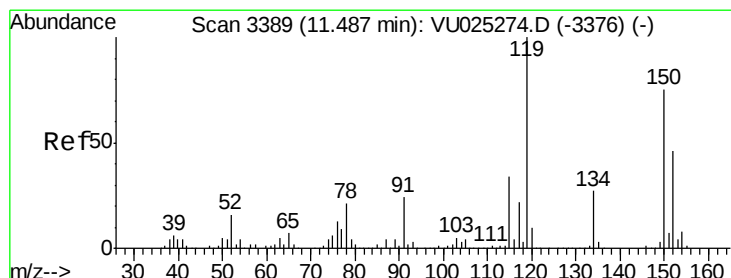
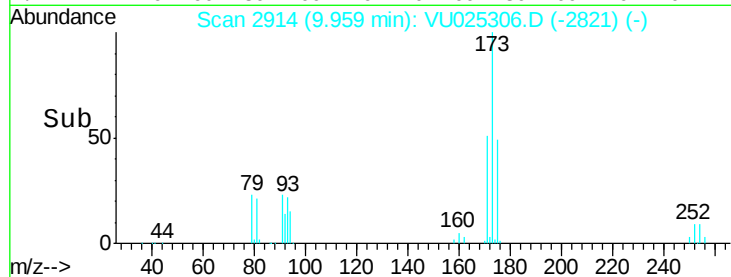
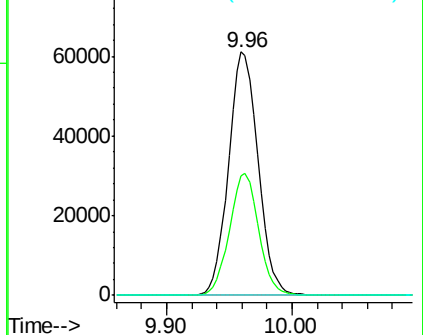


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

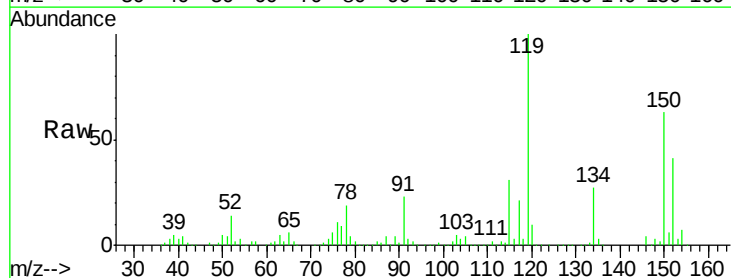
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.3	40.1	120.3
150	173.7	0.0	351.4

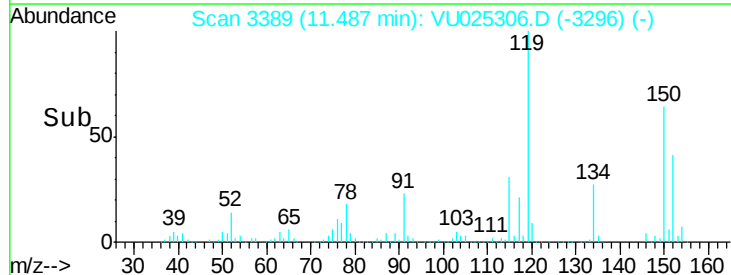
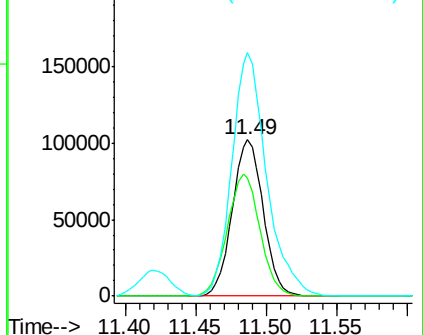


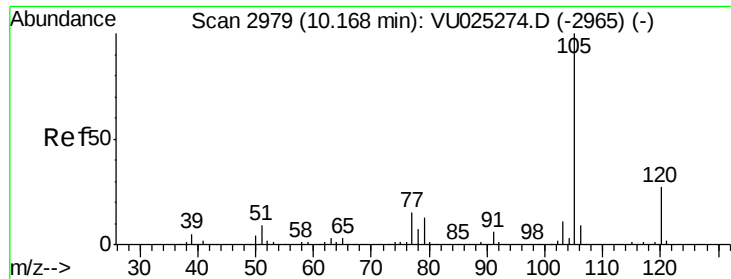
Abundance

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: 46.627 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 559969

Ion Ratio Lower Upper

105 100

120 26.8

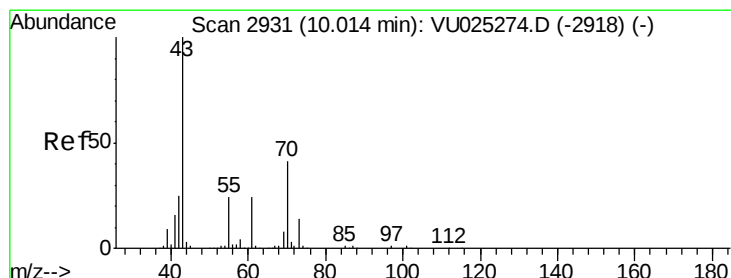
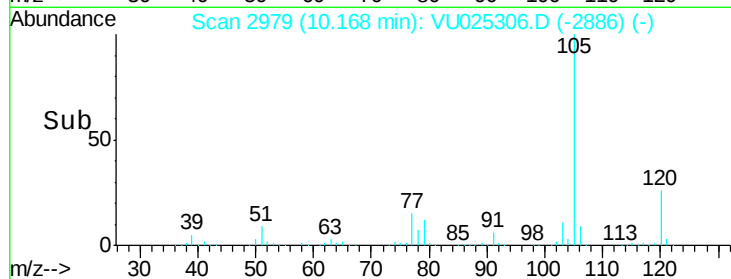
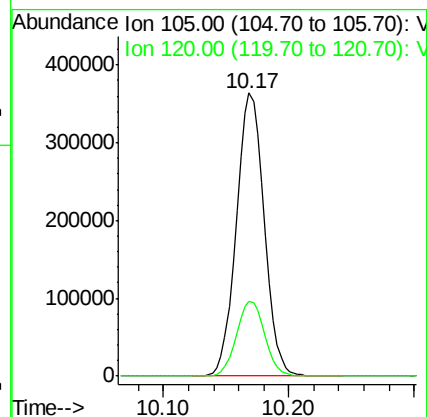
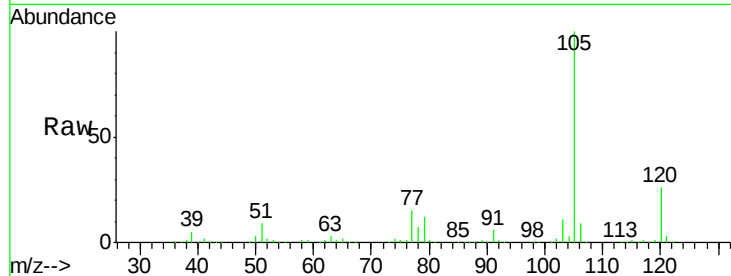
13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.852 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Tgt Ion: 43 Resp: 229901

Ion Ratio Lower Upper

43 100

70 41.8

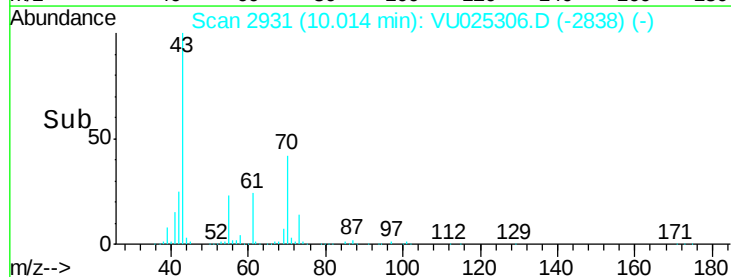
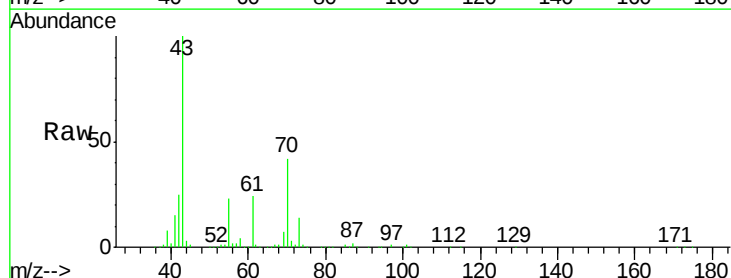
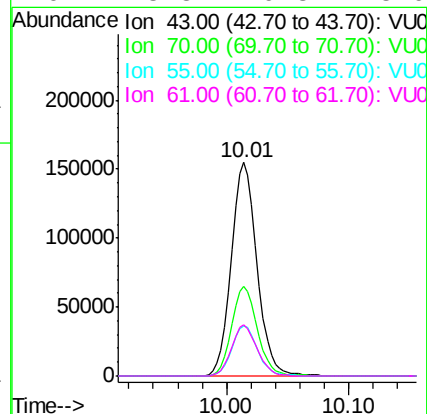
55 23.6

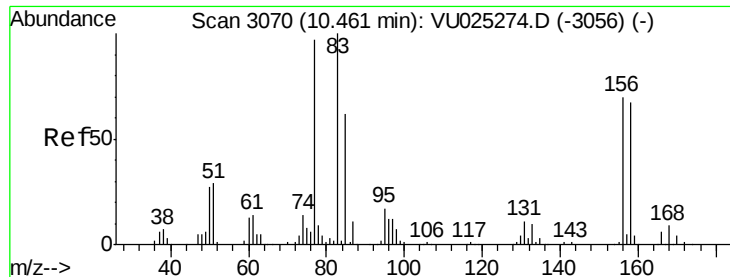
61 23.8

33.4 50.2

19.0 28.6

19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 45.716 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 179618
Ion Ratio Lower Upper

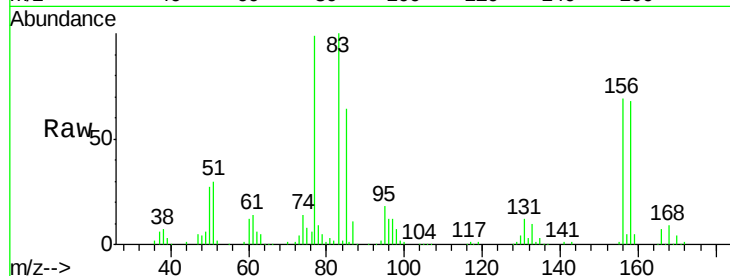
83 100

131 11.4 5.5 16.4

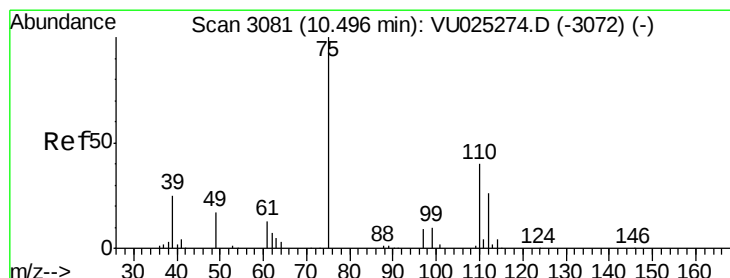
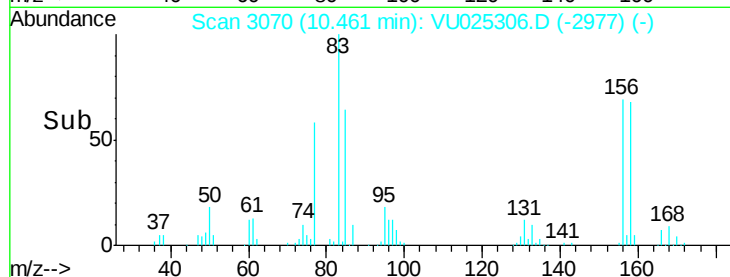
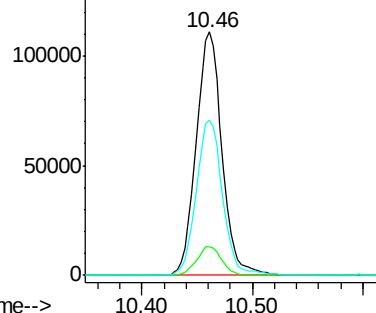
85 65.2 31.6 94.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): VU0
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 50.665 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

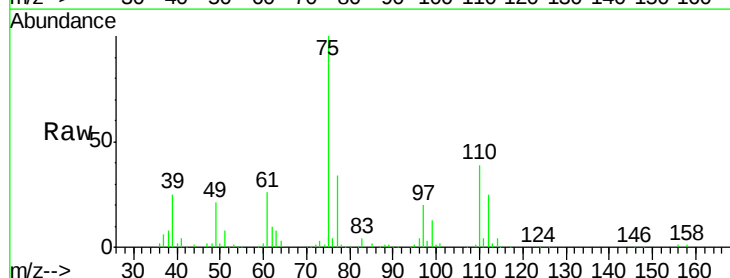
Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

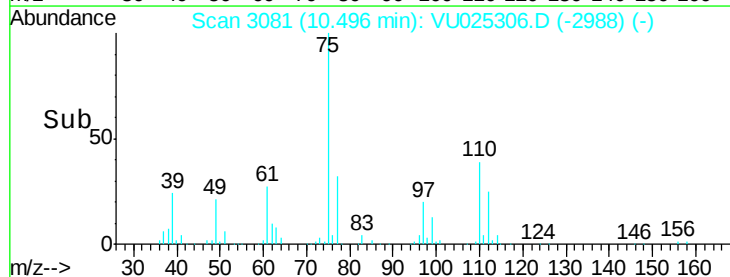
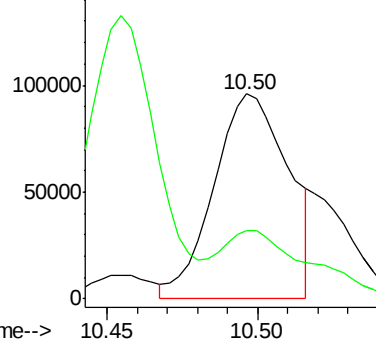
Tgt Ion: 75 Resp: 164492
Ion Ratio Lower Upper

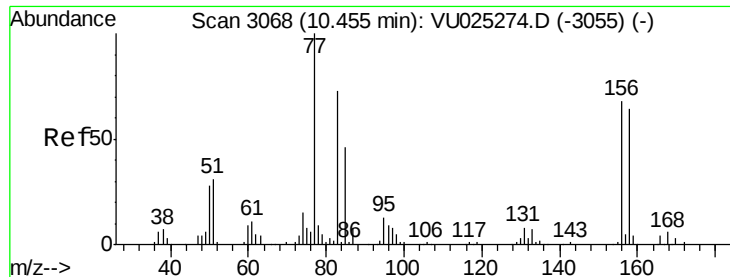
75 100

77 39.5 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 46.247 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025306.D

Acq: 11 Jul 2018 10:40

Instrument :

MSVOA_U

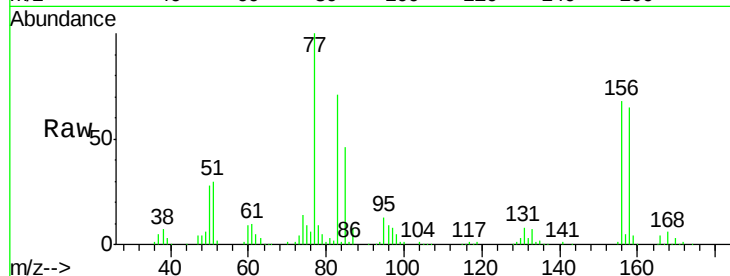
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	142090
Ion Ratio	Lower	Upper	
156	100		
77	149.4	73.8	221.4
158	97.7	48.0	144.0

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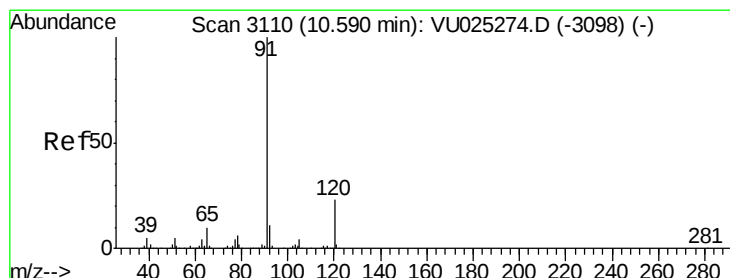
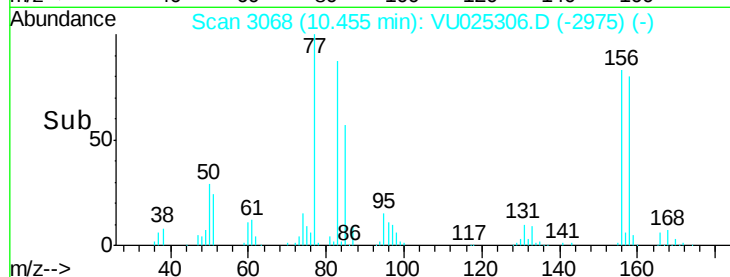
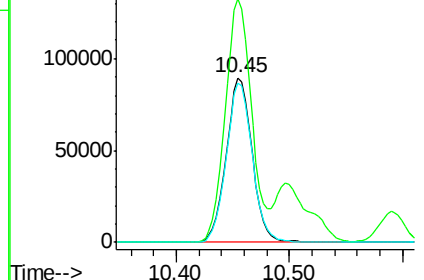
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.089 ug/l

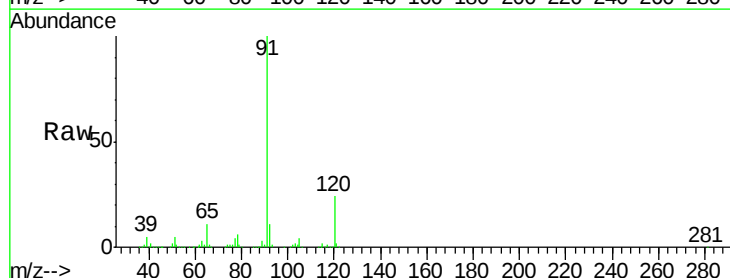
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025306.D

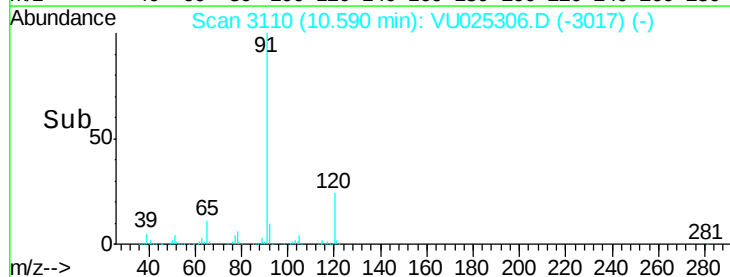
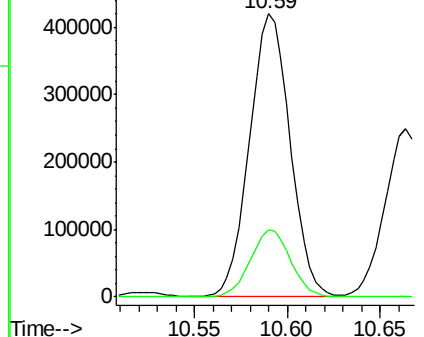
Acq: 11 Jul 2018 10:40

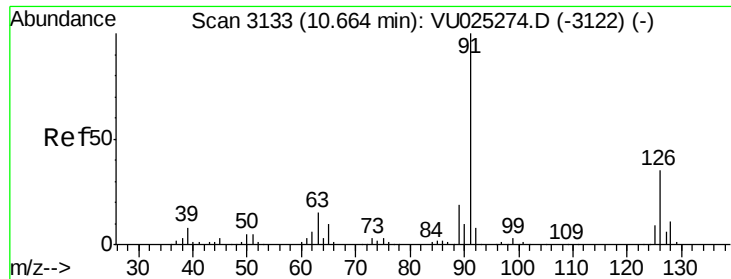
Tgt Ion:	91	Resp:	640852
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





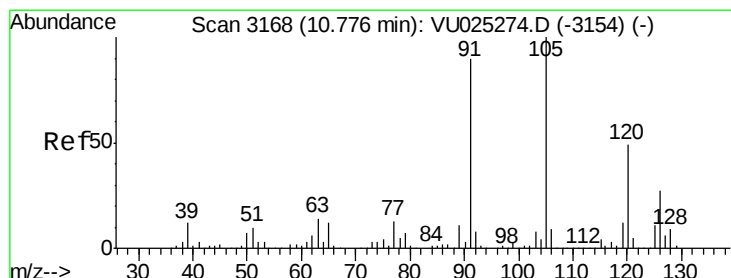
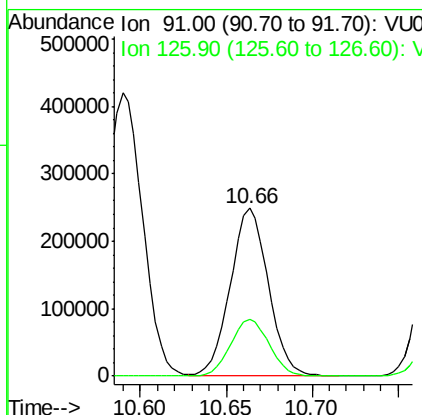
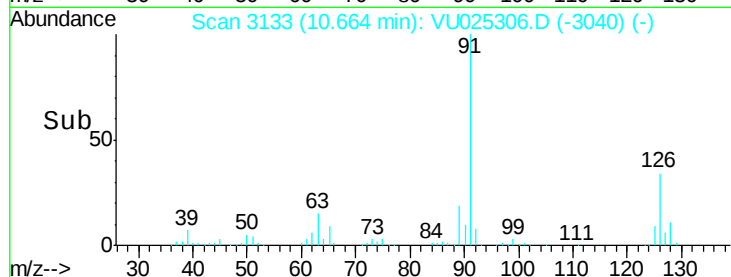
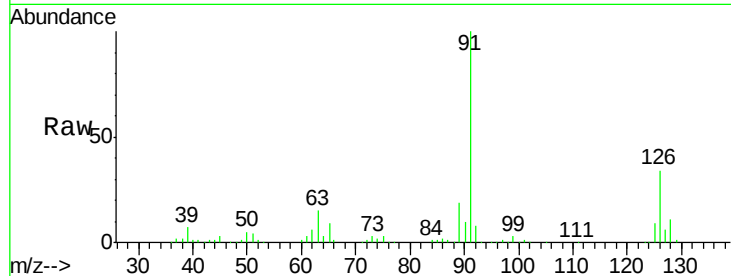
#79
 2-Chlorotoluene
 Concen: 49.800 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 381056
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.5 52.6

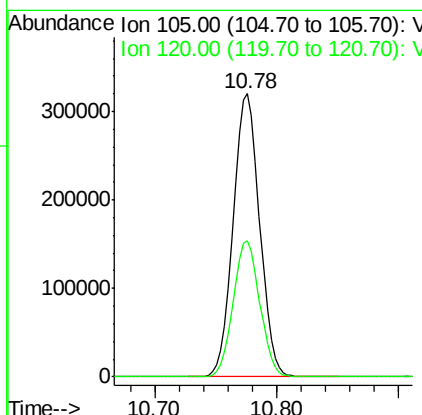
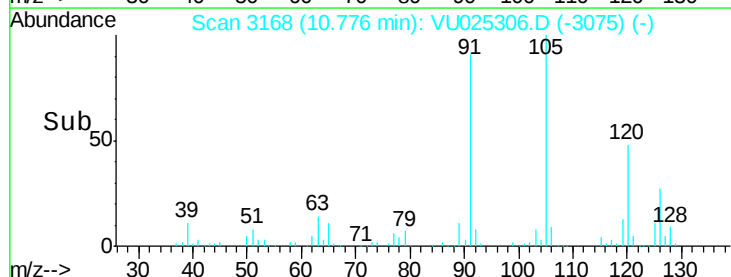
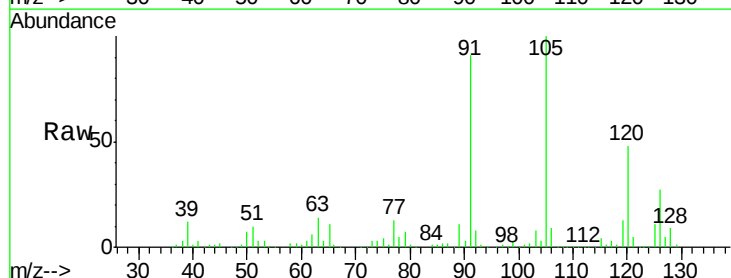
Manual Integrations
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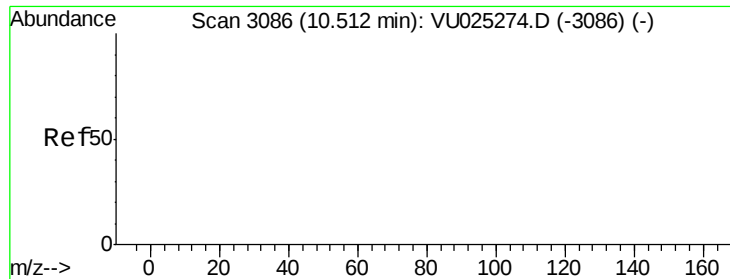
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.783 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Tgt Ion: 105 Resp: 482866
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.2





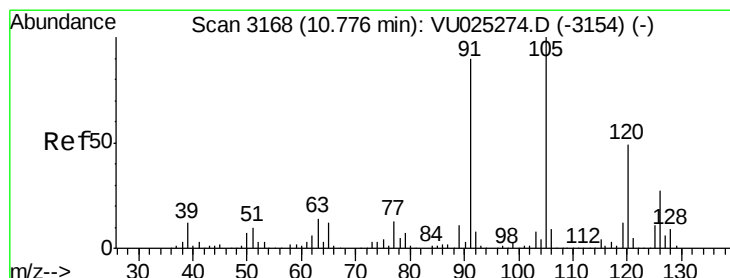
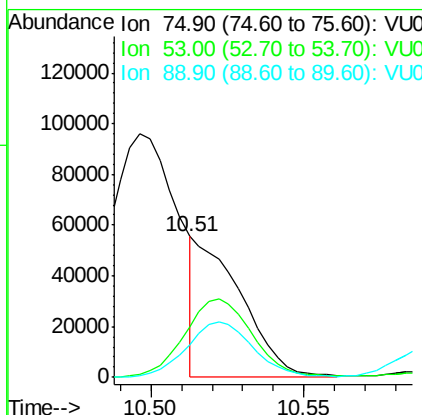
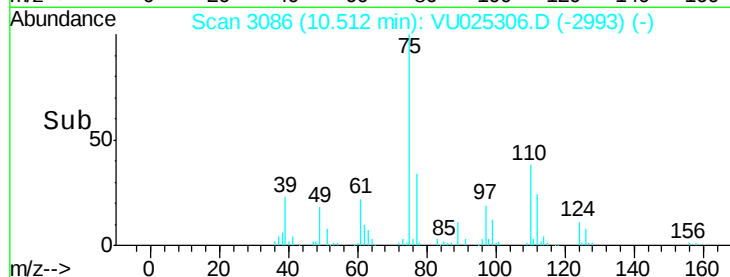
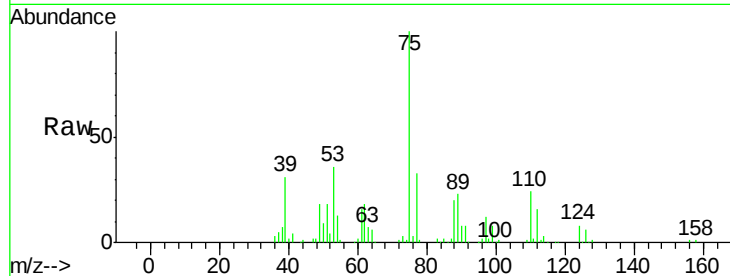
#81
trans-1,4-Dichloro-2-butene
Concen: 46.572 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

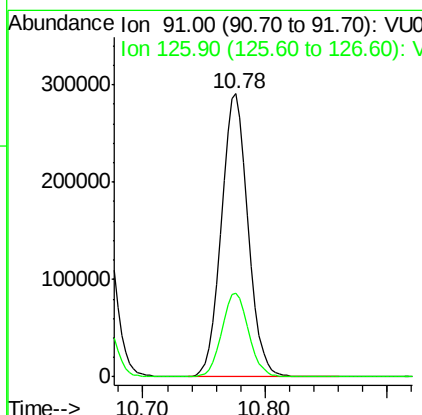
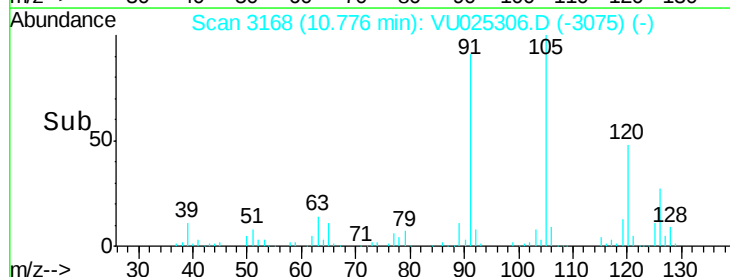
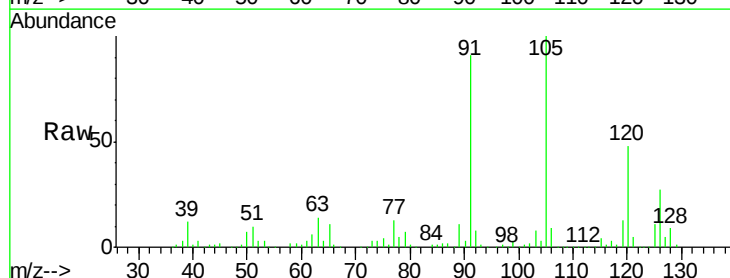
Manual Integrations
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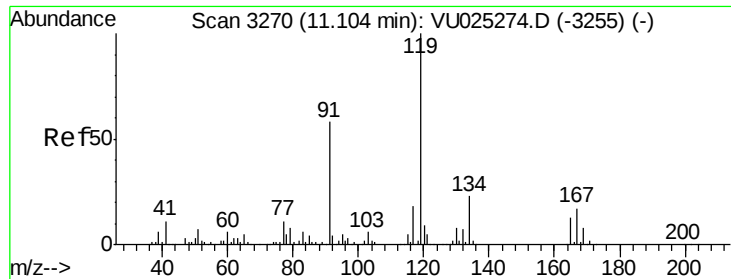
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.329 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.3	45.9





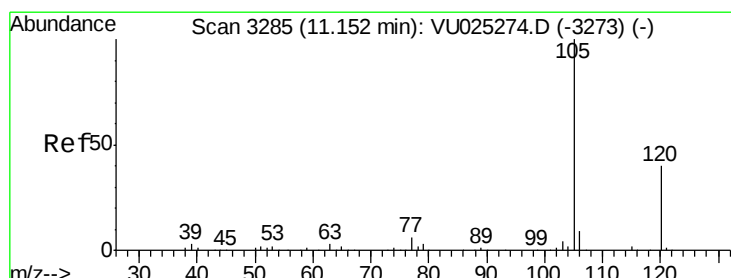
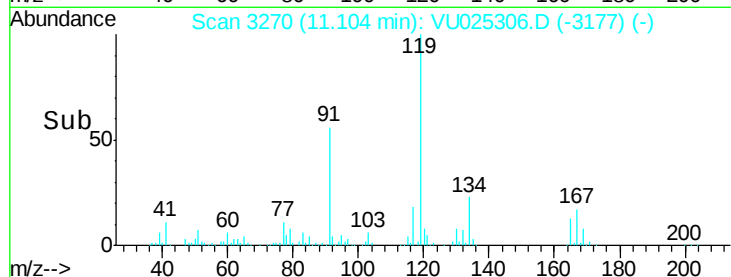
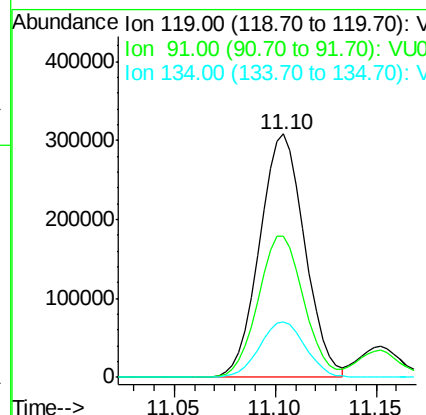
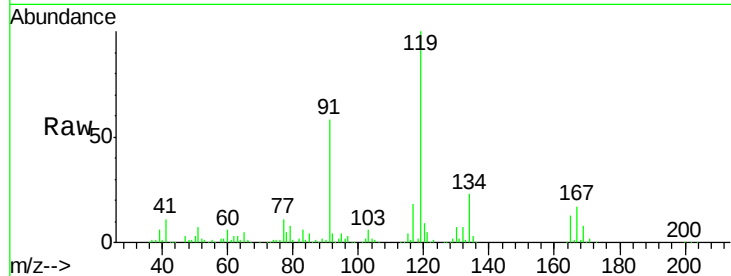
#83
 tert-Butylbenzene
 Concen: 47.112 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	481085		
91	59.0	29.7	89.1	
134	23.1	11.5	34.5	

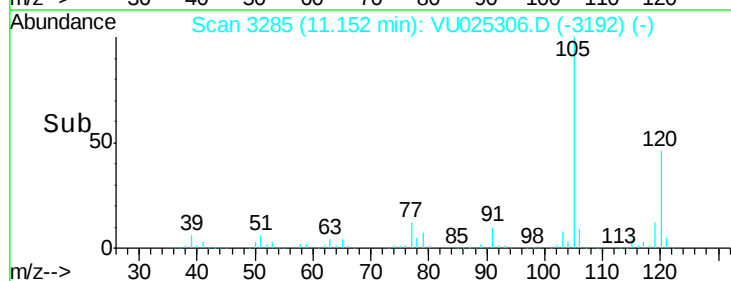
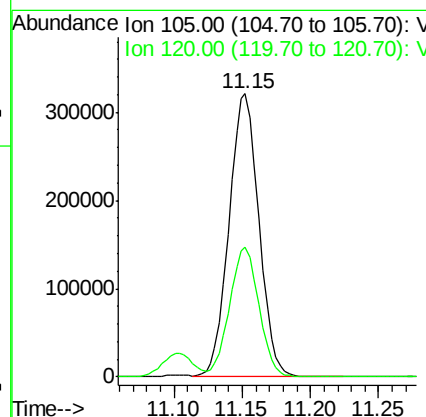
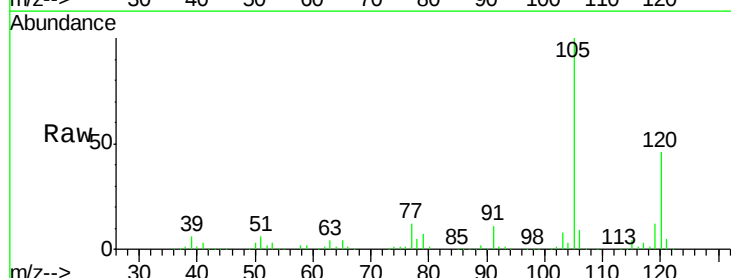
Manual Integrations
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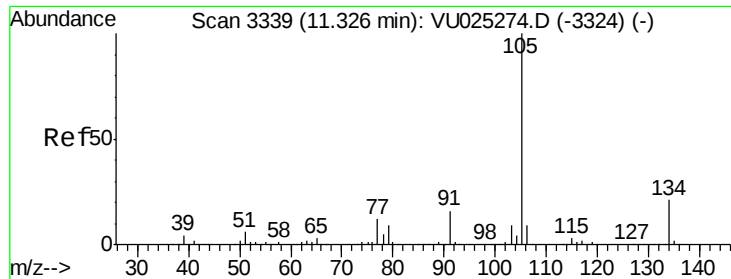
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.020 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	486974		
120	45.3	22.3	66.8	





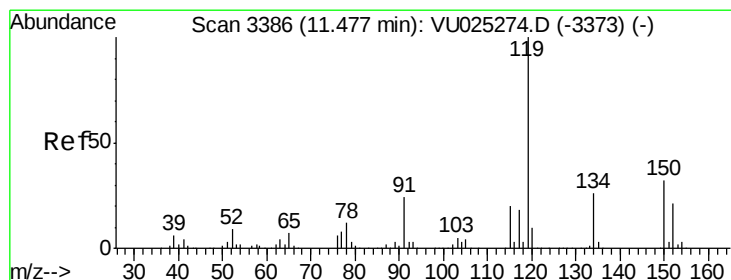
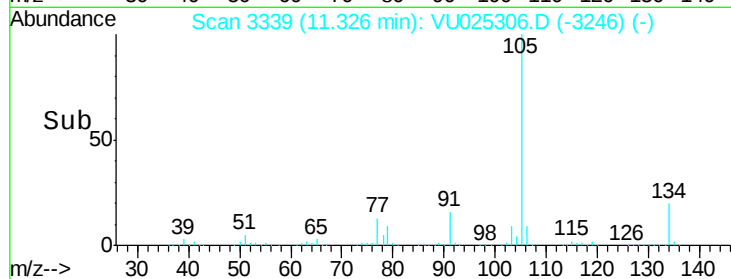
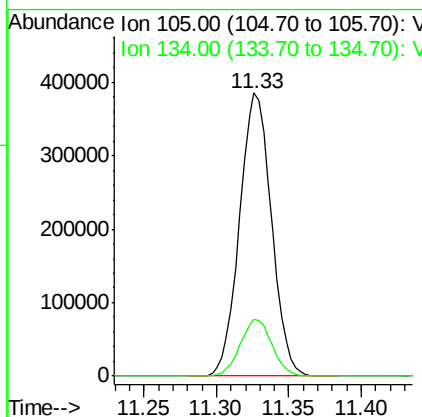
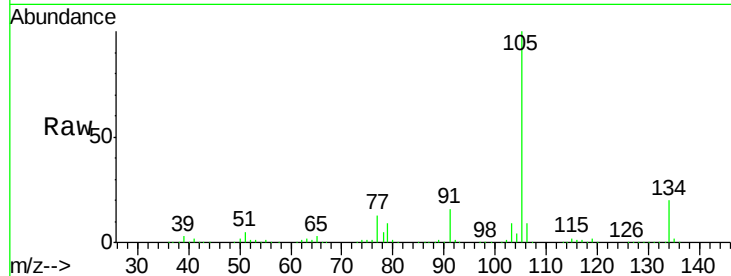
#85
 sec-Butylbenzene
 Concen: 48.982 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 588942
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.3 30.8

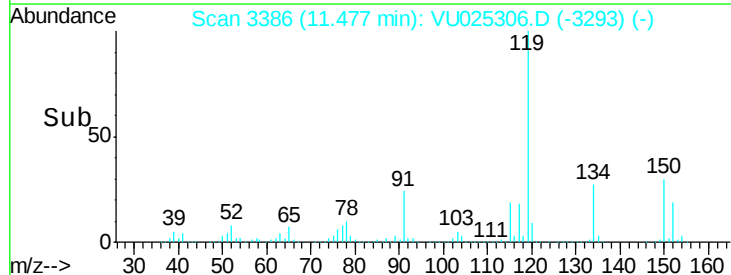
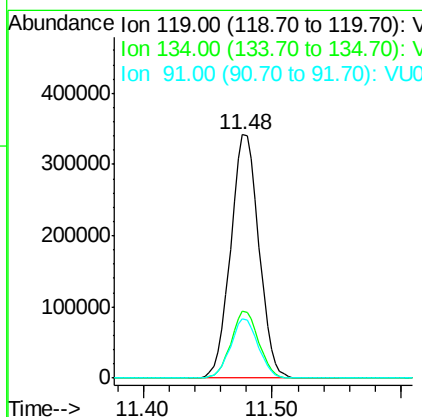
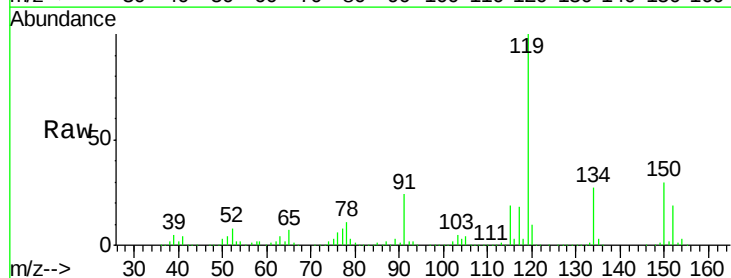
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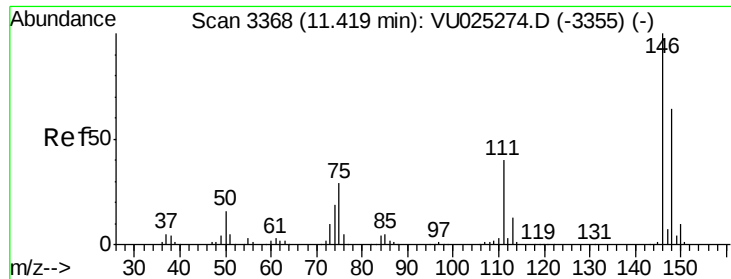
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 7/12/2018 11:04:15 AM



#86
 p-Isopropyltoluene
 Concen: 48.798 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Tgt Ion:119 Resp: 519515
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.2 39.5
 91 23.9 12.0 36.1





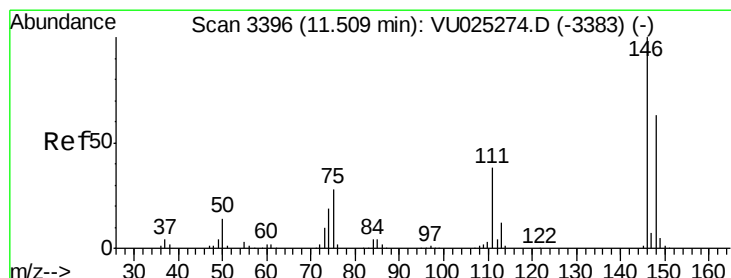
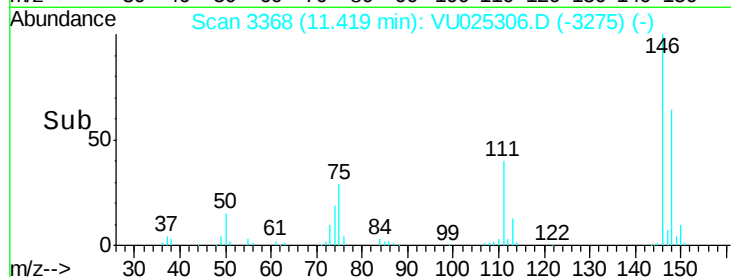
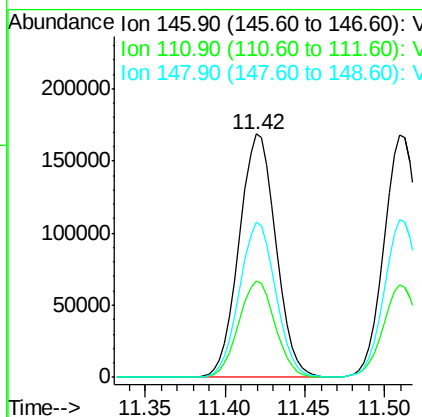
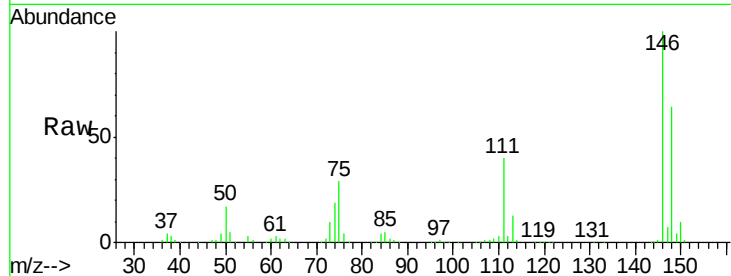
#87
 1,3-Dichlorobenzene
 Concen: 47.071 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	63.1	32.1	96.3

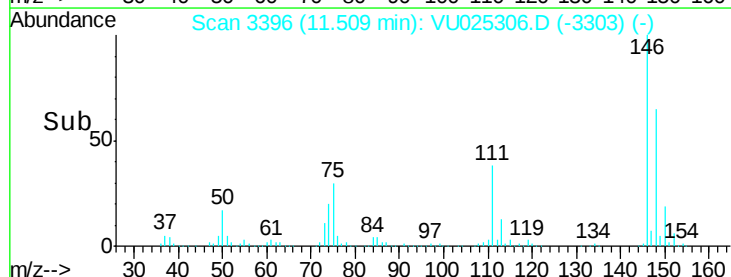
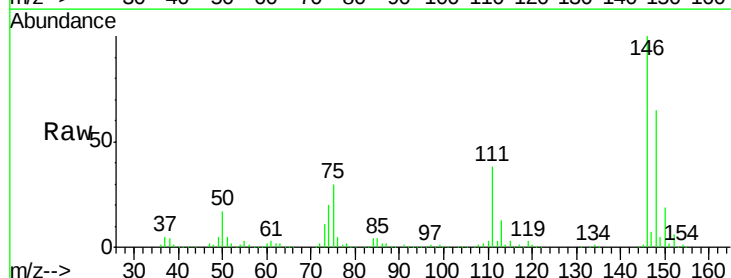
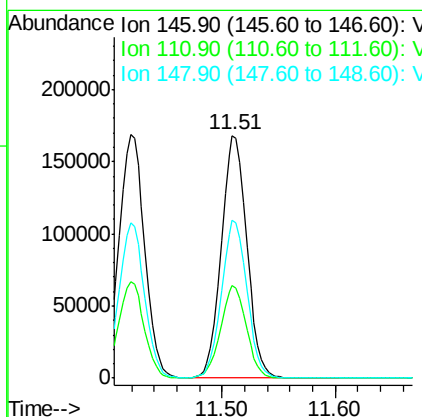
Manual Integrations
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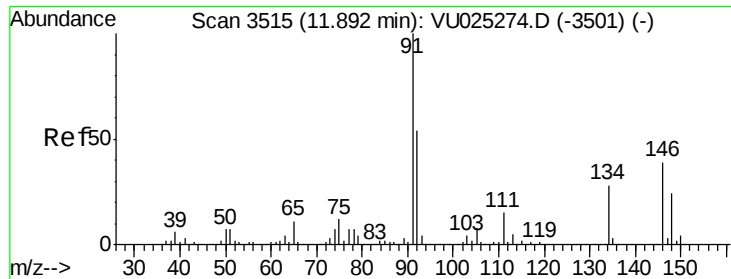
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 7/12/2018 11:04:15 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.257 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025306.D
 Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	64.5	31.7	95.1





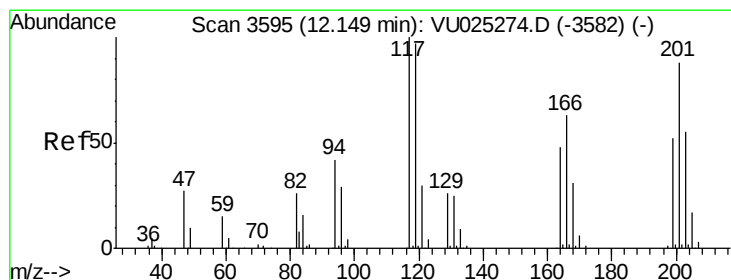
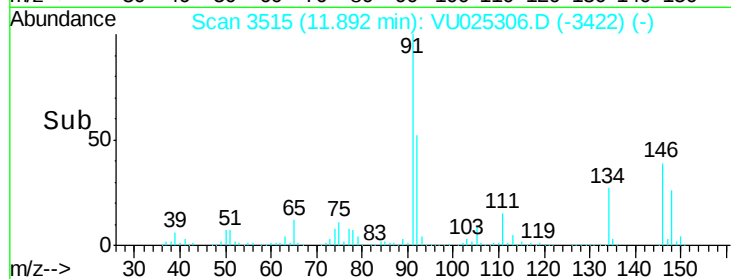
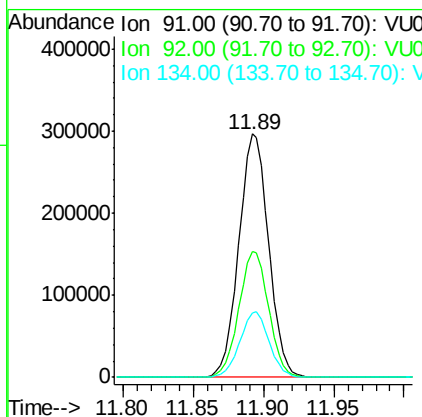
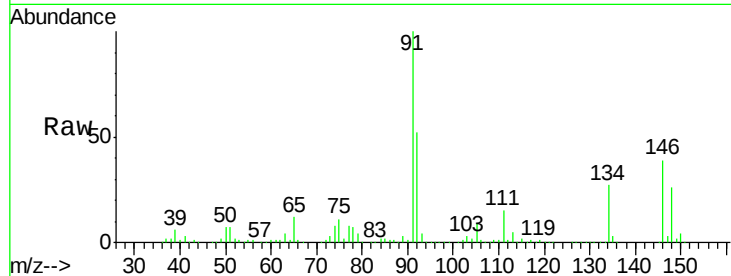
#89
n-Butylbenzene
Concen: 50.141 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	438823		
92	51.7	26.5	79.5	
134	26.6	13.6	40.7	

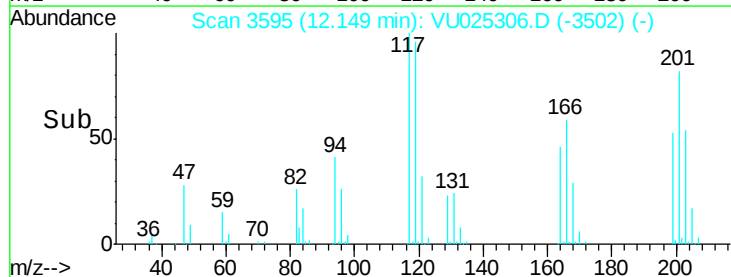
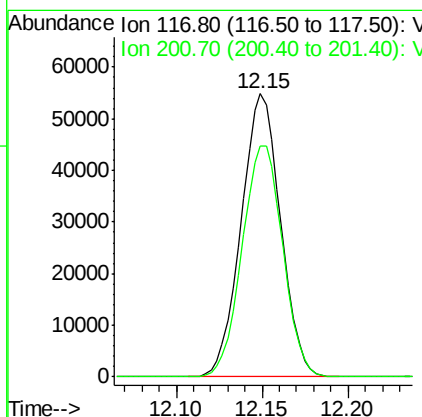
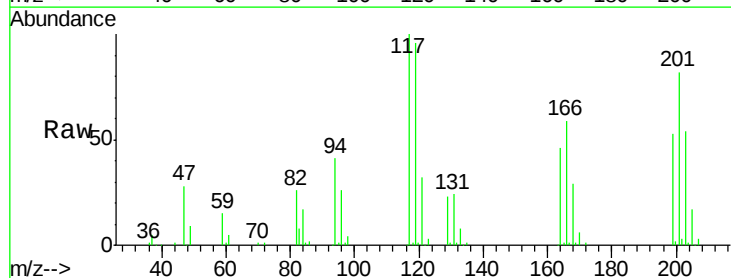
Manual Integrations
APPROVED

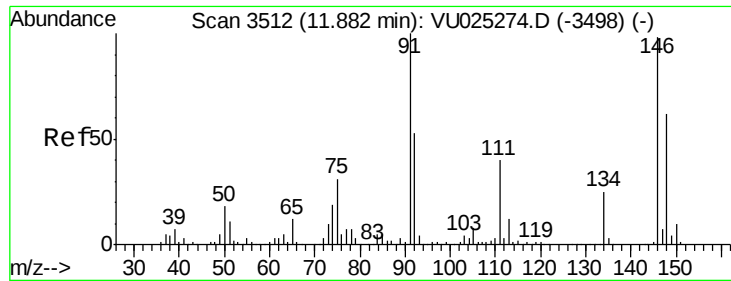
MMDadoda
7/12/2018 11:04:15 AM



#90
Hexachloroethane
Concen: 48.417 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	87282		
201	84.2	42.5	127.6	





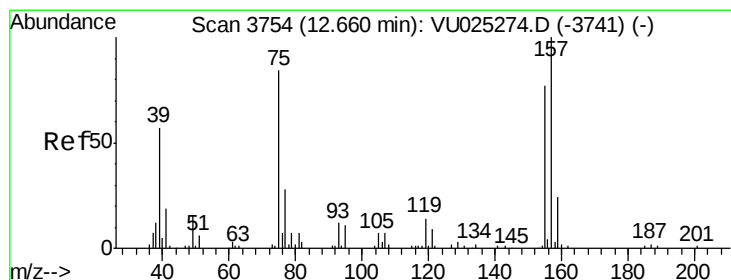
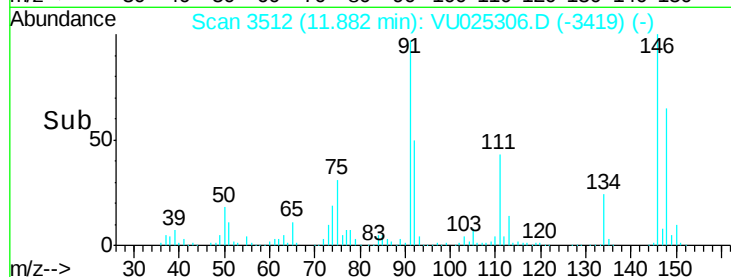
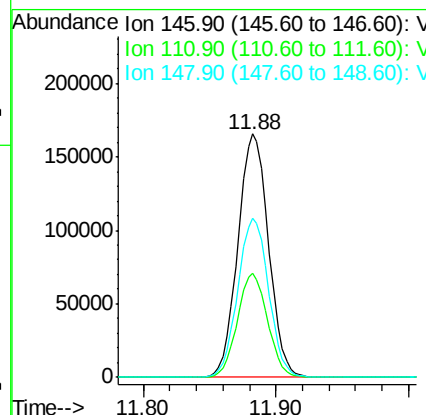
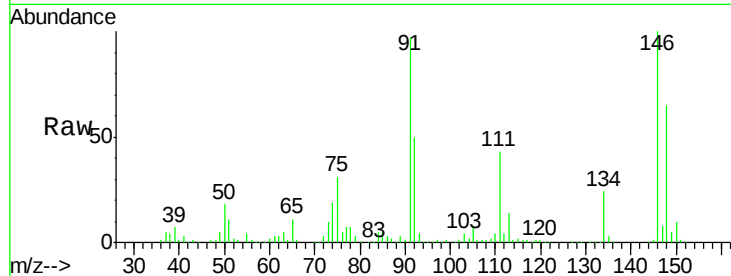
#91
1,2-Dichlorobenzene
Concen: 46.825 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	265529		
111	42.1	20.6	61.8	
148	65.9	31.5	94.5	

Manual Integrations
APPROVED

MMDadoda
7/12/2018 11:04:15 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.795 ug/l
RT: 12.66 min Scan# 3754
Delta R.T. 0.00 min
Lab File: VU025306.D
Acq: 11 Jul 2018 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44593		
155	88.6	44.5	133.3	
157	114.0	57.0	170.8	

