

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027596.D
 Acq On : 11 Oct 2018 14:10
 Operator : MD/SY
 Sample : VU1011WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:23:00 PM

Quant Time: Oct 12 09:45:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:38:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	109398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	188875	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	186004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89181	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	88922	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
35) Dibromofluoromethane	4.89	113	61663	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	7.57	98	252649	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	10.31	95	88646	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	25132	21.12	ug/l	98
3) Chloromethane	1.33	50	38324	20.56	ug/l	99
4) Vinyl Chloride	1.40	62	37343	21.31	ug/l	99
5) Bromomethane	1.62	94	20278	21.32	ug/l	99
6) Chloroethane	1.70	64	22049	19.79	ug/l	97
7) Trichlorofluoromethane	1.88	101	40094	20.48	ug/l	97
8) Diethyl Ether	2.11	74	18456	20.90	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23125	20.20	ug/l	98
10) Methyl Iodide	2.41	142	19012	16.63	ug/l	97
11) Tert butyl alcohol	2.83	59	42049	101.88	ug/l	99
12) 1,1-Dichloroethene	2.28	96	22682	20.20	ug/l	97
13) Acrolein	2.20	56	33016	100.83	ug/l	99
14) Allyl chloride	2.59	41	51396	18.87	ug/l	98
15) Acrylonitrile	2.94	53	103641	105.63	ug/l	99
16) Acetone	2.32	43	96631	93.60	ug/l	99
17) Carbon Disulfide	2.48	76	75144	19.52	ug/l	99
18) Methyl Acetate	2.62	43	53128	20.58	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	90850	21.03	ug/l	99
20) Methylene Chloride	2.70	84	28748	19.67	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	24984	20.13	ug/l	98
22) Diisopropyl ether	3.58	45	110220	21.13	ug/l	95
23) Vinyl Acetate	3.53	43	472481	107.08	ug/l	99
24) 1,1-Dichloroethane	3.45	63	56638	20.51	ug/l	99
25) 2-Butanone	4.27	43	151796	103.76	ug/l	99
26) 2,2-Dichloropropane	4.23	77	43814	19.79	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	28346	20.60	ug/l	99
28) Bromochloromethane	4.55	49	28978	21.27	ug/l	96
29) Tetrahydrofuran	4.64	42	99139	108.06	ug/l	100
30) Chloroform	4.68	83	50795	20.69	ug/l	99
31) Cyclohexane	5.00	56	54740	20.11	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	42699	20.61	ug/l	99
36) 1,1-Dichloropropene	5.14	75	39183	20.42	ug/l	98
37) Ethyl Acetate	4.39	43	55643	20.20	ug/l	99
38) Carbon Tetrachloride	5.14	117	35536	20.09	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	43268	19.99	ug/l	99
40) Benzene	5.39	78	116662	20.11	ug/l	100
41) Methacrylonitrile	4.55	41	30158	20.08	ug/l	98
42) 1,2-Dichloroethane	5.41	62	44105	20.57	ug/l	100
43) Isopropyl Acetate	5.55	43	84405	21.19	ug/l	99
44) Trichloroethene	6.19	130	25244	19.71	ug/l	96
45) 1,2-Dichloropropane	6.43	63	33912	20.54	ug/l	96
46) Dibromomethane	6.56	93	19897	20.47	ug/l	98
47) Bromodichloromethane	6.76	83	39305	20.11	ug/l	100
48) Methyl methacrylate	6.63	41	41092	19.75	ug/l	99
49) 1,4-Dioxane	6.62	88	16388	429.95	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	289078	107.94	ug/l	99
52) Toluene	7.64	92	72045	21.71	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	46486	20.89	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	51522	21.27	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	29029	21.20	ug/l	96
56) Ethyl methacrylate	8.02	69	47406	20.12	ug/l	99
57) 1,3-Dichloropropane	8.24	76	56155	21.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	139970	102.94	ug/l	100
59) 2-Hexanone	8.36	43	223072	106.77	ug/l	100
60) Dibromochloromethane	8.48	129	29267	21.38	ug/l	99
61) 1,2-Dibromoethane	8.59	107	30321	21.02	ug/l	99
64) Tetrachloroethene	8.23	164	22768	19.71	ug/l	97
65) Chlorobenzene	9.12	112	74537	19.32	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	26501	20.09	ug/l	99
67) Ethyl Benzene	9.25	91	130402	19.70	ug/l	99
68) m/p-Xylenes	9.38	106	98497	40.76	ug/l	99
69) o-Xylene	9.78	106	47730	20.32	ug/l	98
70) Styrene	9.79	104	77138	18.62	ug/l	100
71) Bromoform	9.96	173	21122	19.26	ug/l #	100
73) Isopropylbenzene	10.17	105	129020	21.49	ug/l	99
74) N-amyl acetate	10.02	43	73573	20.78	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	50642	19.61	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	42744m	19.21	ug/l	
77) Bromobenzene	10.46	156	29984	20.39	ug/l	97
78) n-propylbenzene	10.59	91	149372	20.50	ug/l	100
79) 2-Chlorotoluene	10.66	91	91445	20.45	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	106724	19.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	17087m	17.76	ug/l	
82) 4-Chlorotoluene	10.77	91	102102	20.44	ug/l	98
83) tert-Butylbenzene	11.10	119	101804	20.75	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	107839	19.68	ug/l	99
85) sec-Butylbenzene	11.32	105	126150	19.67	ug/l	100
86) p-Isopropyltoluene	11.48	119	107540	19.41	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	54299	19.88	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	55576	19.22	ug/l	99
89) n-Butylbenzene	11.89	91	92122	18.18	ug/l	99
90) Hexachloroethane	12.15	117	19743	19.89	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	55256	20.07	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11247	19.92	ug/l	98

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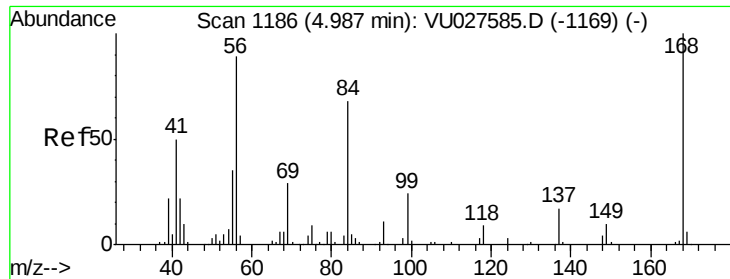
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	33647	18.69	ug/l	100
94) Hexachlorobutadiene	13.69	225	17609	19.93	ug/l	99
95) Naphthalene	13.74	128	118194	18.70	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	35699	19.69	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion:168 Resp: 109398

Ion Ratio Lower Upper

168 100

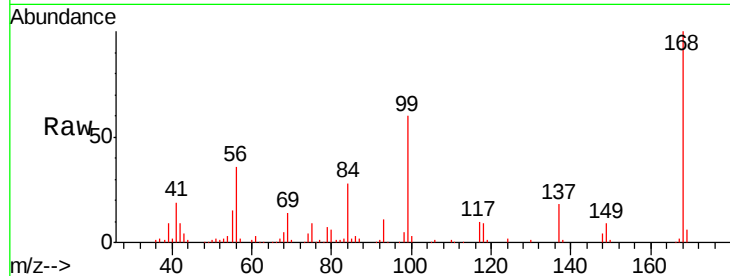
99 59.0 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027585.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027585.D (-1169) (-)

4.99

50000

40000

30000

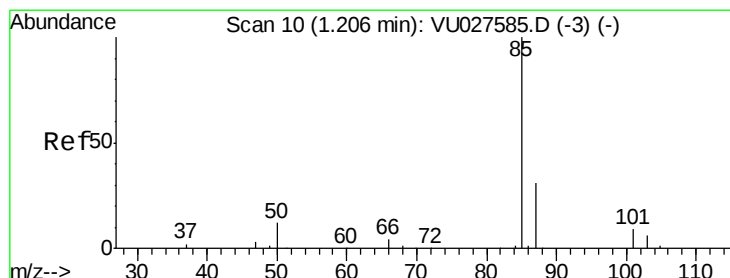
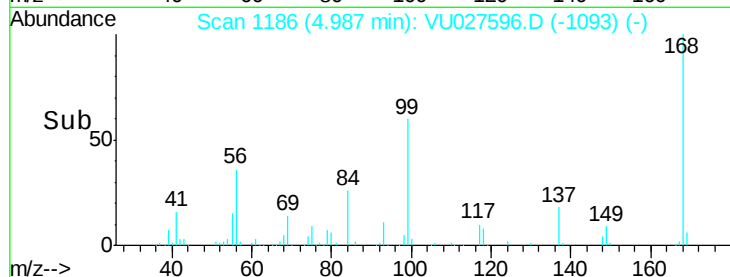
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.12 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027596.D

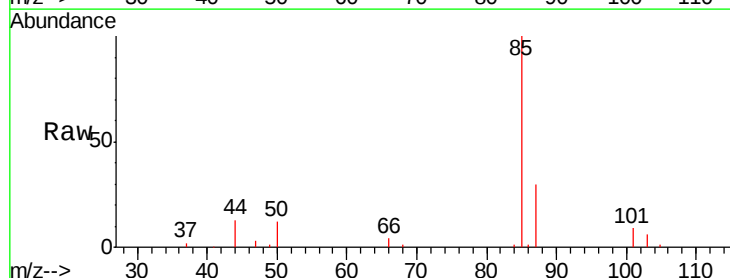
Acq: 11 Oct 2018 14:10

Tgt Ion: 85 Resp: 25132

Ion Ratio Lower Upper

85 100

87 30.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027585.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027585.D (-3) (-)

1.21

30000

25000

20000

15000

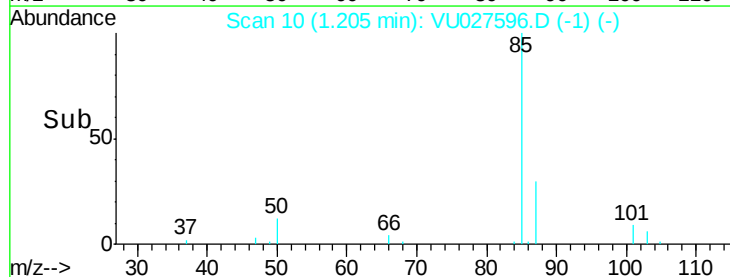
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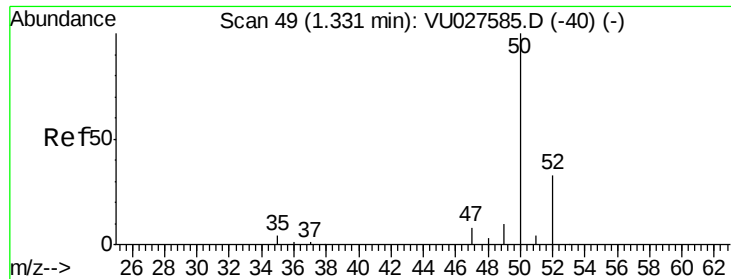
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.56 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion: 50 Resp: 38324

Ion Ratio Lower Upper

50 100

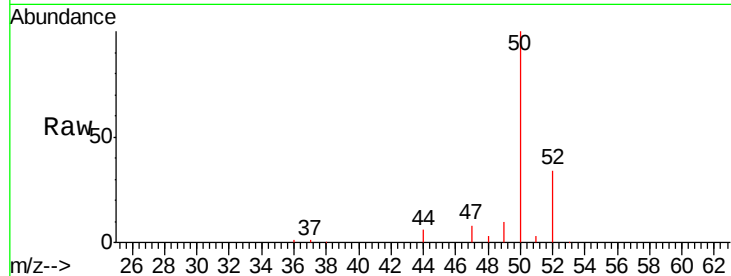
52 33.9 26.5 39.7

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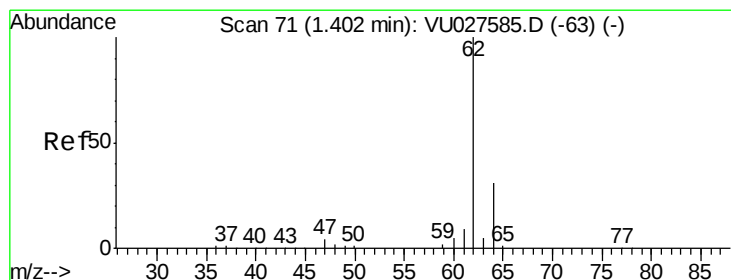
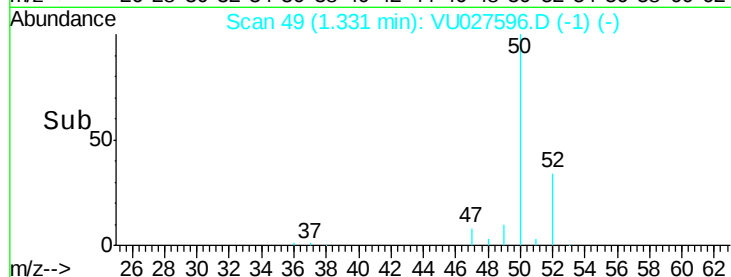
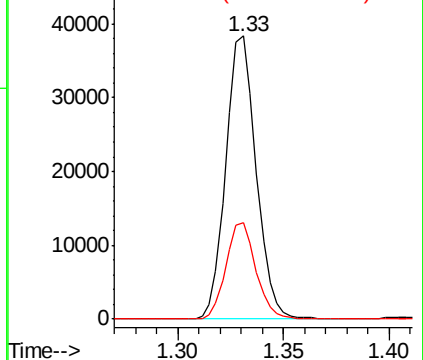
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 21.31 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027596.D

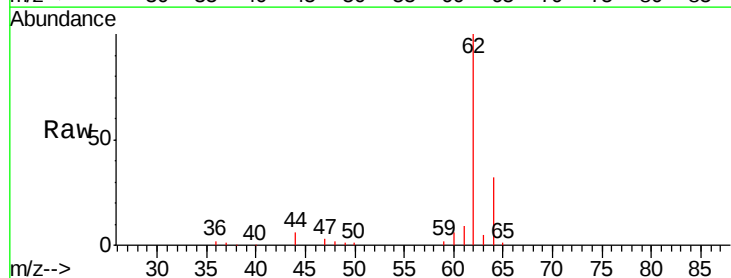
Acq: 11 Oct 2018 14:10

Tgt Ion: 62 Resp: 37343

Ion Ratio Lower Upper

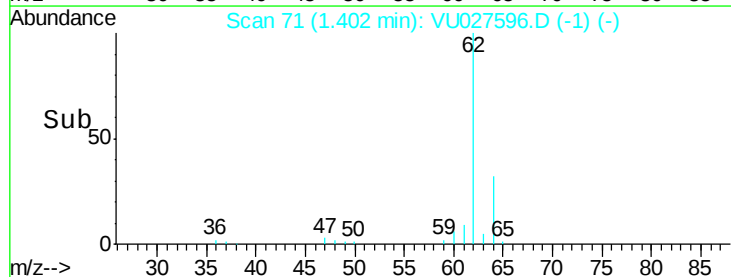
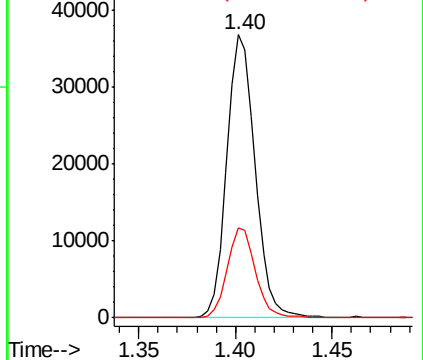
62 100

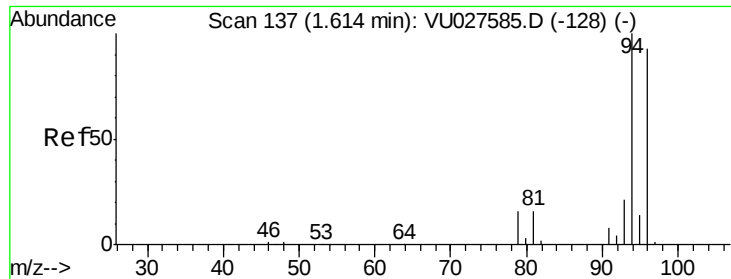
64 31.6 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 21.32 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion: 94 Resp: 20278

Ion Ratio Lower Upper

94 100

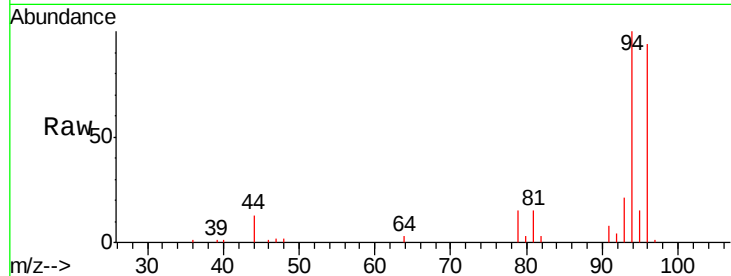
96 93.8 74.6 111.8

Manual Integrations

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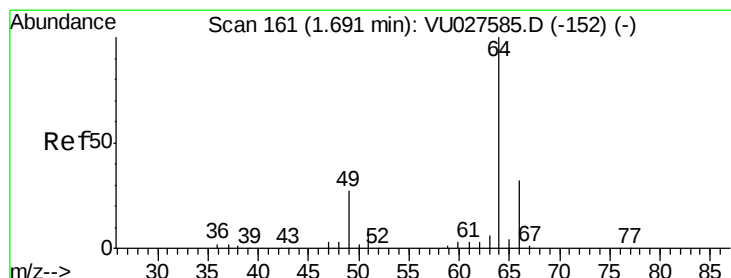
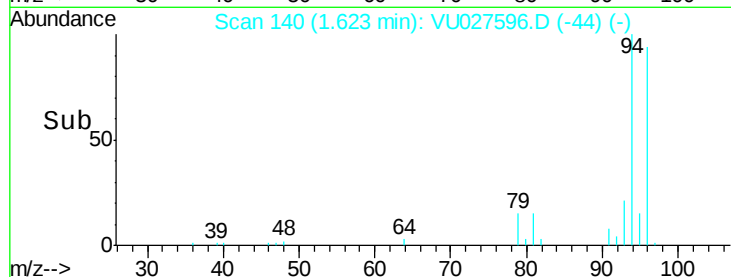
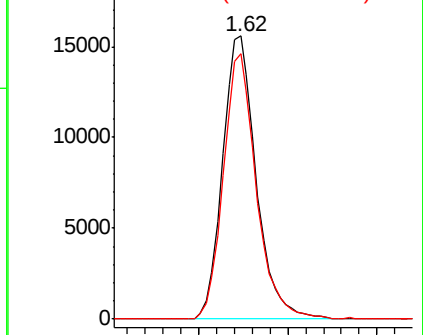
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.79 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027596.D

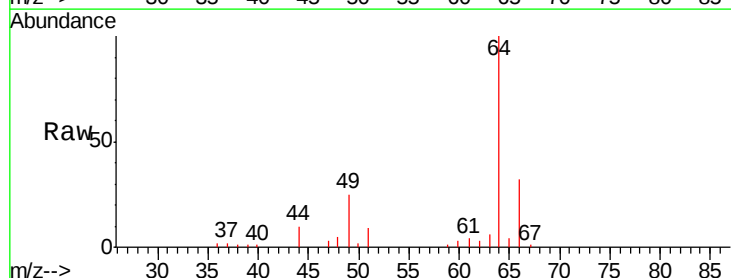
Acq: 11 Oct 2018 14:10

Tgt Ion: 64 Resp: 22049

Ion Ratio Lower Upper

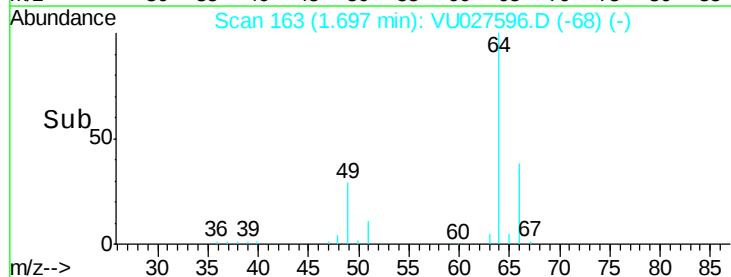
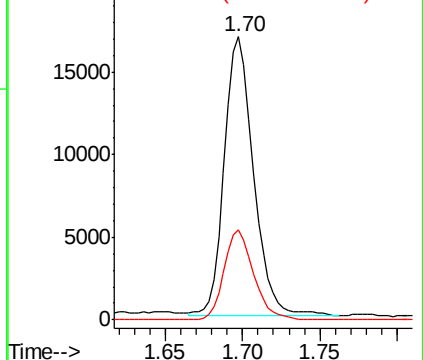
64 100

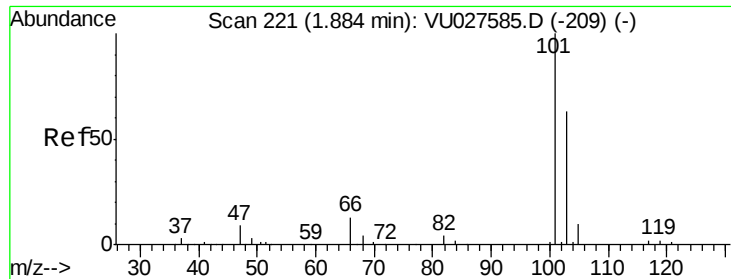
66 32.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

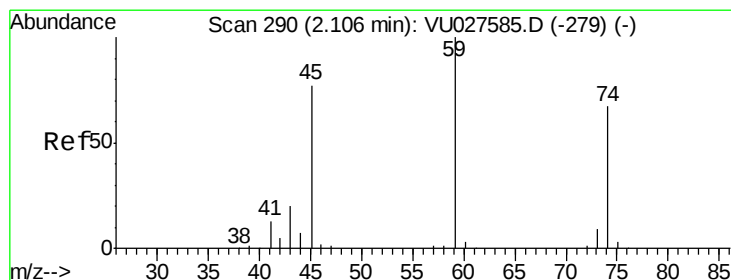
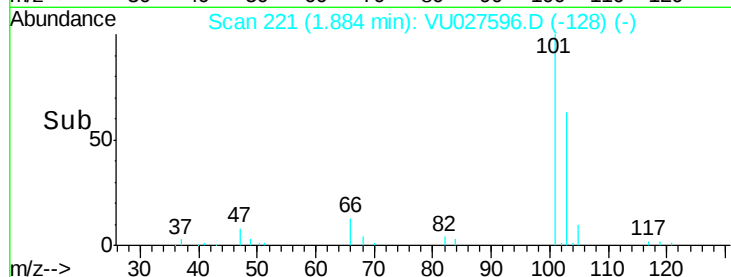
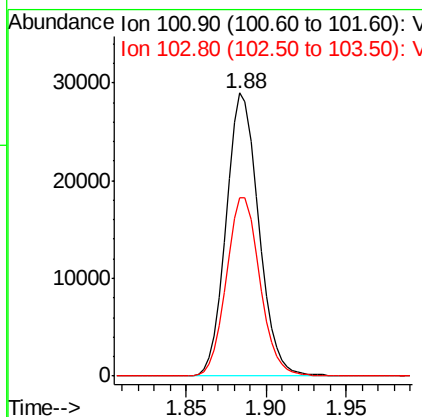
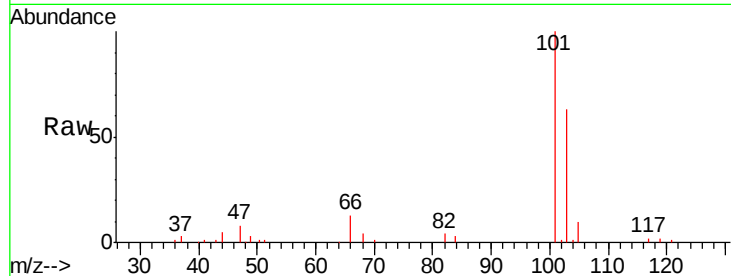
Trichlorofluoromethane
 Concen: 20.48 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Instrument :
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 ClientSampleId :
 VU1011WBS01

Tgt Ion: 101 Resp: 40094
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.6 78.8

Manual Integrations
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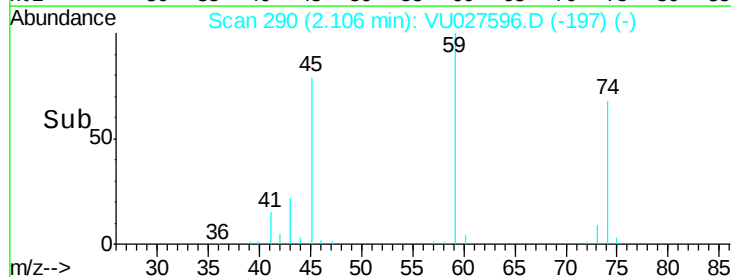
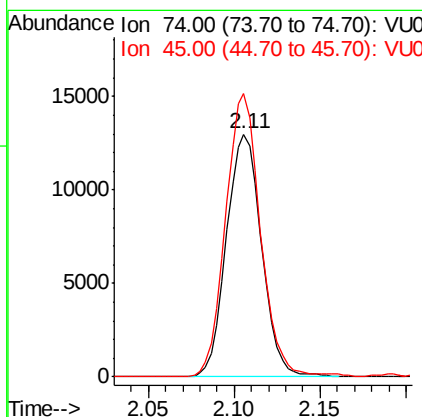
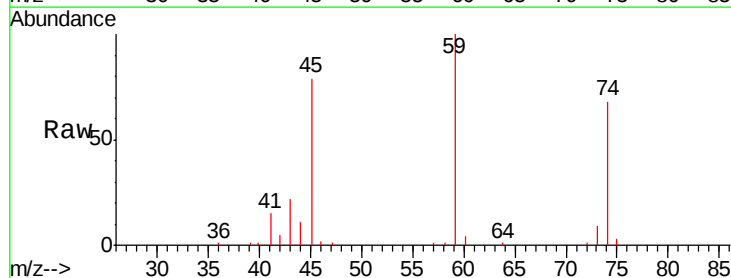
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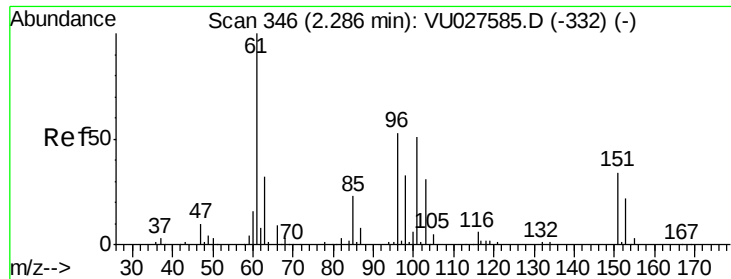


#8

Diethyl Ether
 Concen: 20.90 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Tgt Ion: 74 Resp: 18456
 Ion Ratio Lower Upper
 74 100
 45 116.0 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.20 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027596.D

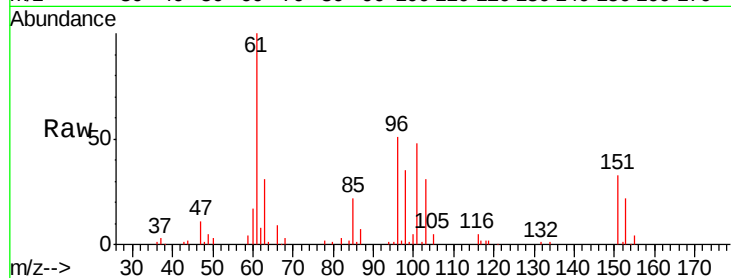
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Instrument :

MSVOA_U

ClientSampleId :

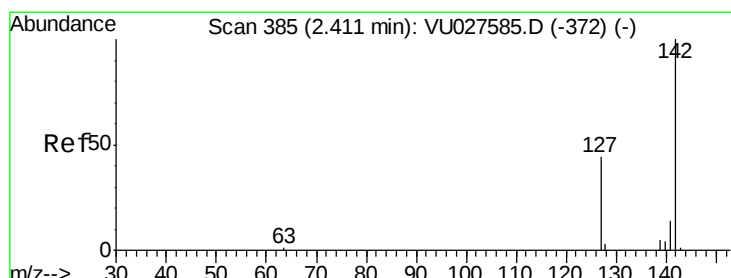
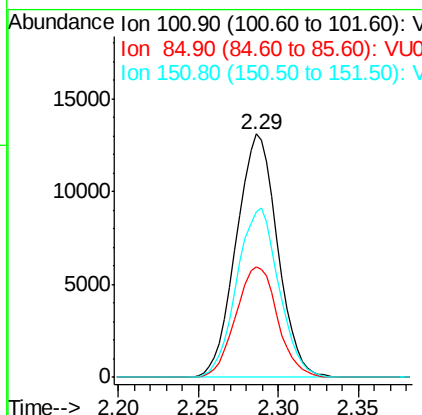
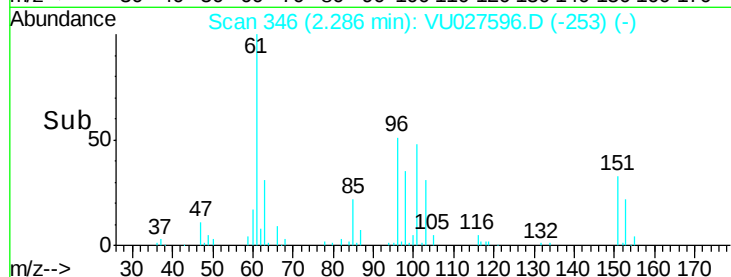
VU1011WBS01



Tgt Ion:	101	Resp:	23125
Ion Ratio	Lower	Upper	
101	100		
85	45.8	37.5	56.3
151	70.9	55.6	83.4

Manual Integrations
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#10

Methyl Iodide

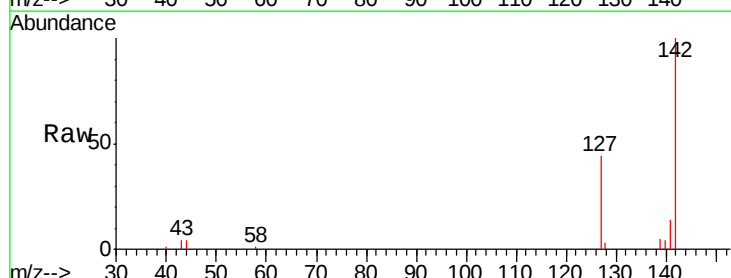
Concen: 16.63 ug/l

RT: 2.41 min Scan# 385

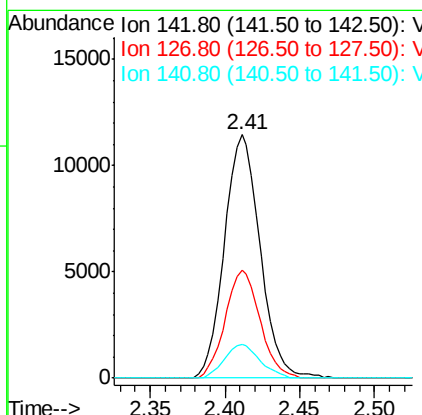
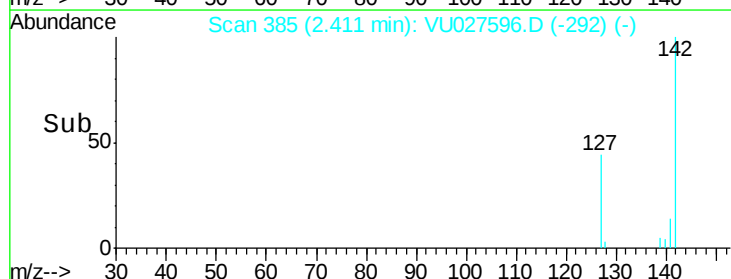
Delta R.T. 0.00 min

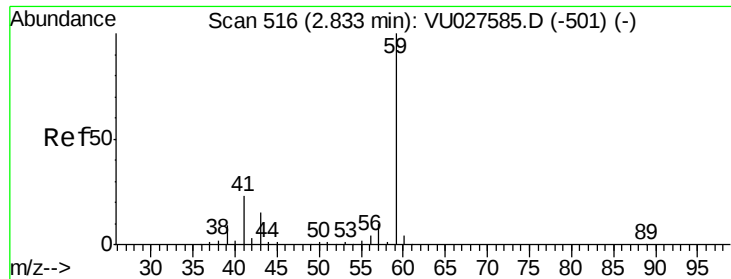
Lab File: VU027596.D

Acq: 11 Oct 2018 14:10



Tgt Ion:	142	Resp:	19012
Ion Ratio	Lower	Upper	
142	100		
127	43.1	36.3	54.5
141	13.6	11.6	17.4





#11

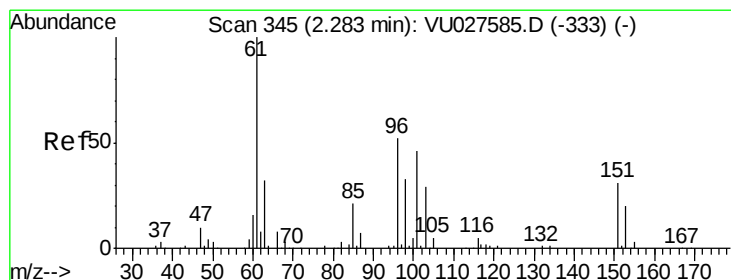
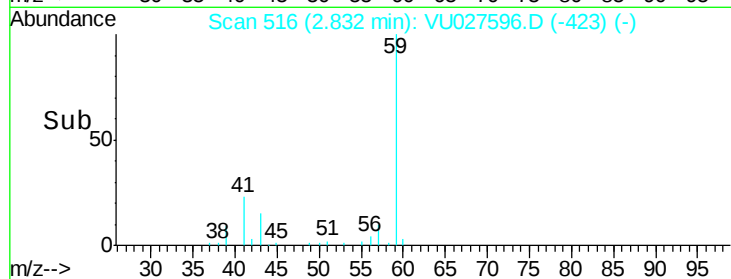
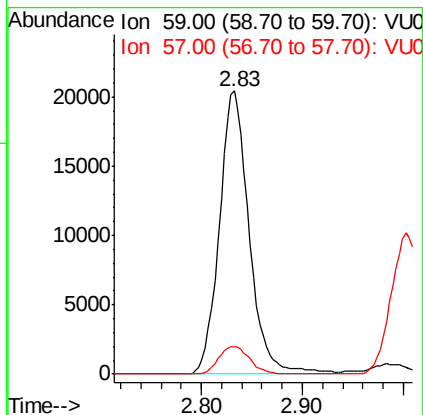
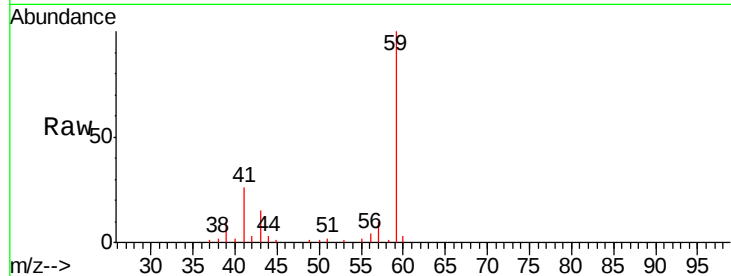
Tert butyl alcohol
 Concen: 101.88 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

Manual Integrations
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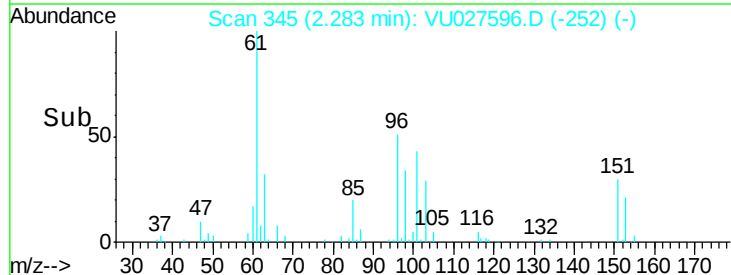
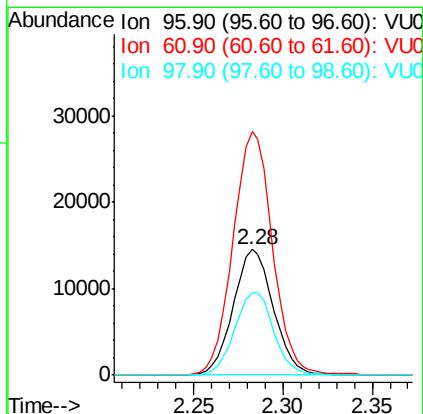
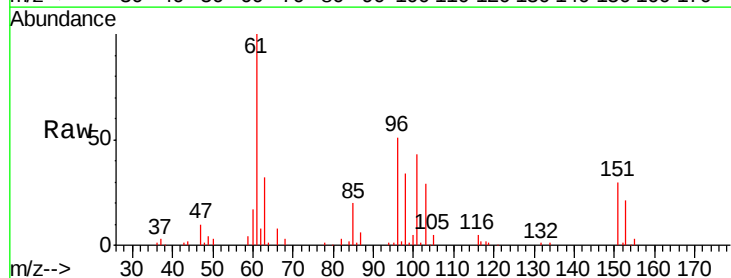
MMDadoda
 10/16/2018 2:23:00 PM

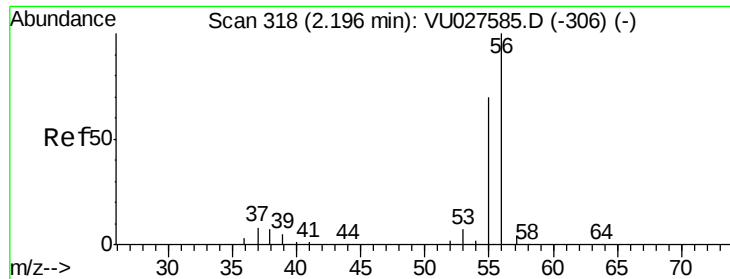


#12

1,1-Dichloroethene
 Concen: 20.20 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.2	153.0	229.6
98	66.2	49.3	73.9





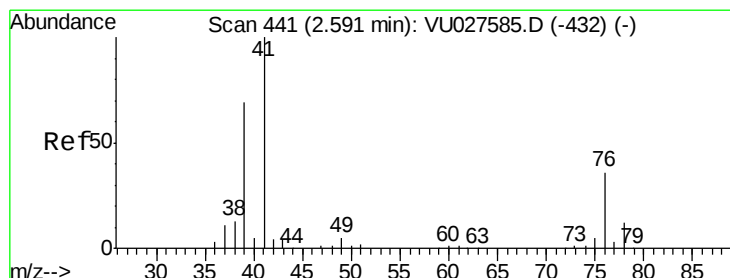
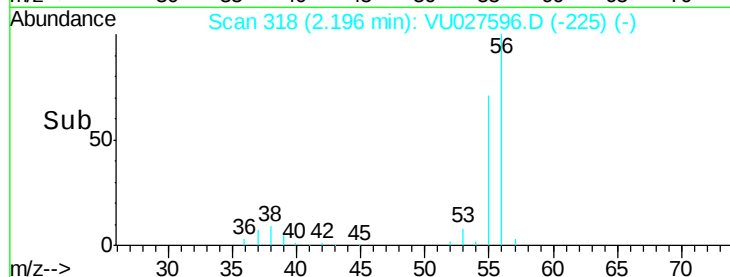
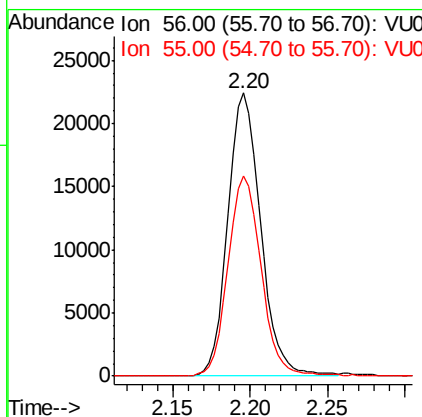
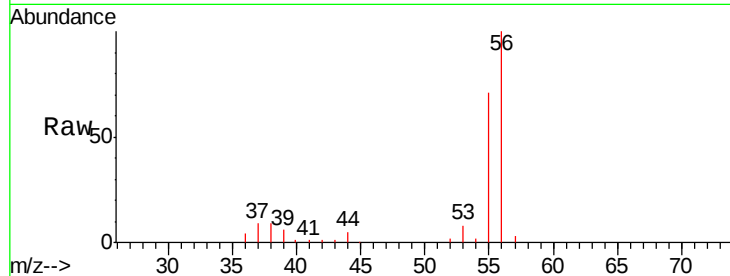
#13
Acrolein
Concen: 100.83 ug/l
RT: 2.20 min Scan# 318
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampled :
VU1011WBS01

Tgt Ion: 56 Resp: 33016
Ion Ratio Lower Upper
56 100
55 71.3 57.7 86.5

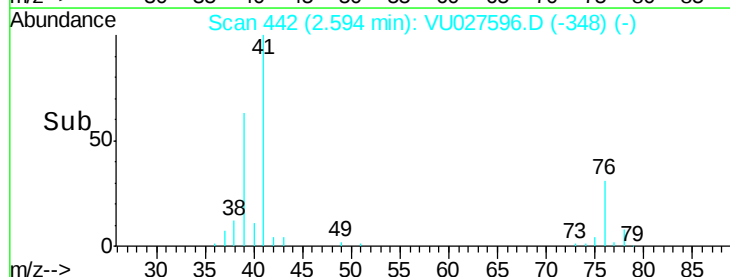
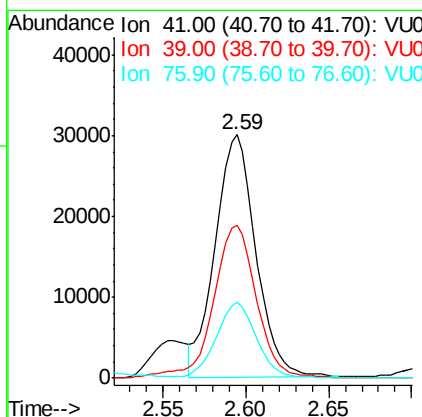
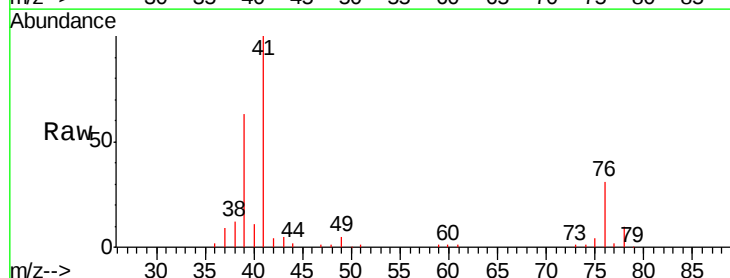
Manual Integrations
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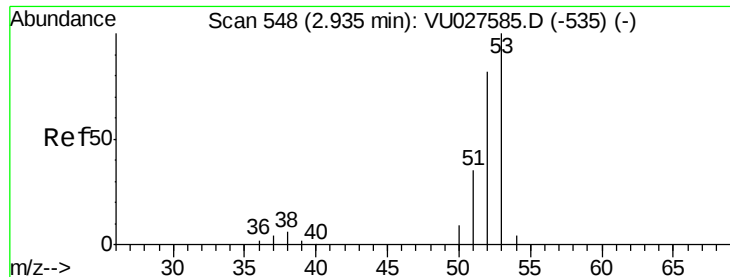
MMDadoda
10/16/2018 2:23:00 PM



#14
Allyl chloride
Concen: 18.87 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion: 41 Resp: 51396
Ion Ratio Lower Upper
41 100
39 66.4 51.8 77.8
76 30.9 25.9 38.9





#15

Acrylonitrile

Concen: 105.63 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

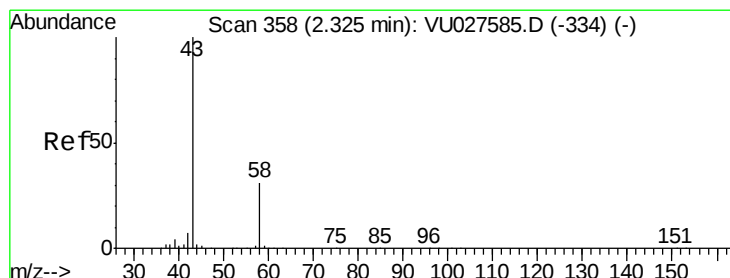
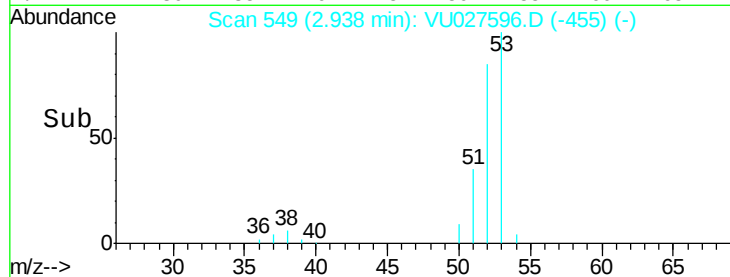
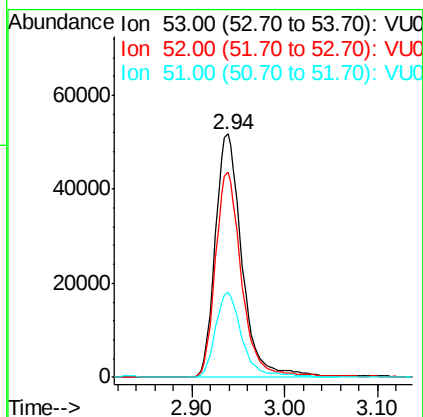
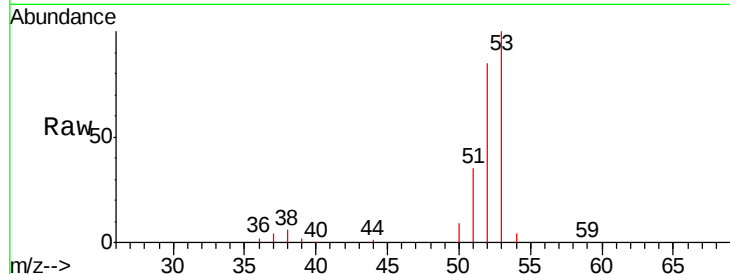
ClientSampleId :

VU1011WBS01

Tgt Ion:	53	Resp:	103641
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.5	99.7
51	35.0	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 93.60 ug/l

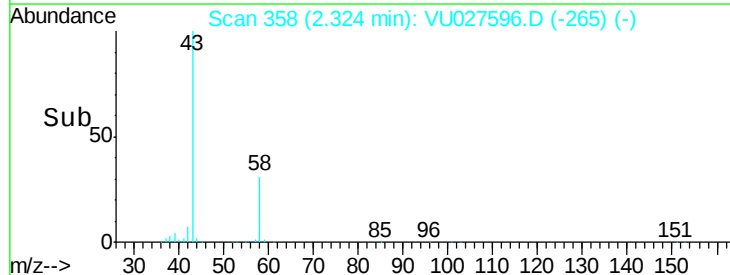
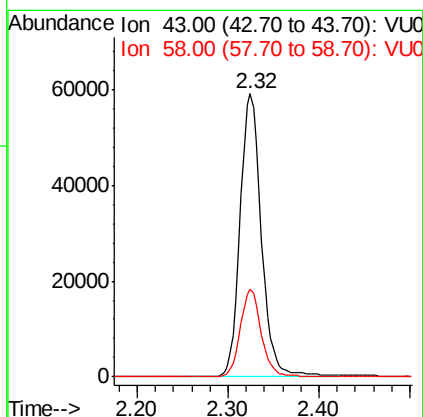
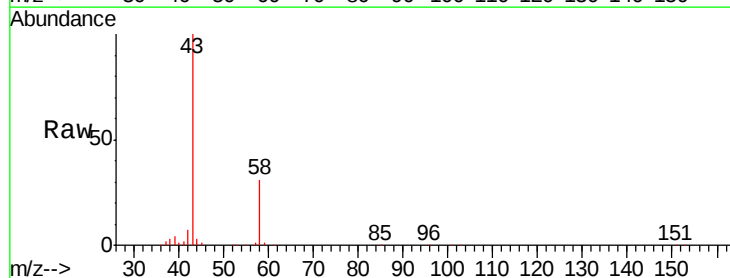
RT: 2.32 min Scan# 358

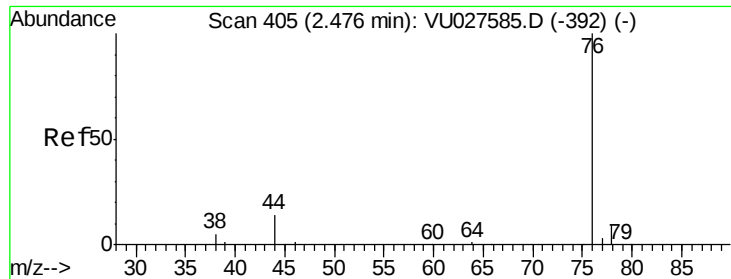
Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Tgt Ion:	43	Resp:	96631
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.2	36.4





#17

Carbon Disulfide

Concen: 19.52 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion: 76 Resp: 75144

Ion Ratio Lower Upper

76 100

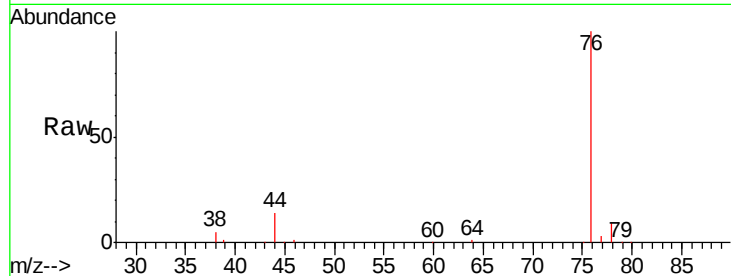
78 9.4 7.3 10.9

Manual Integrations

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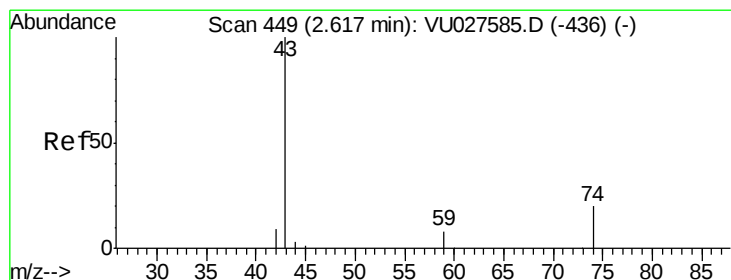
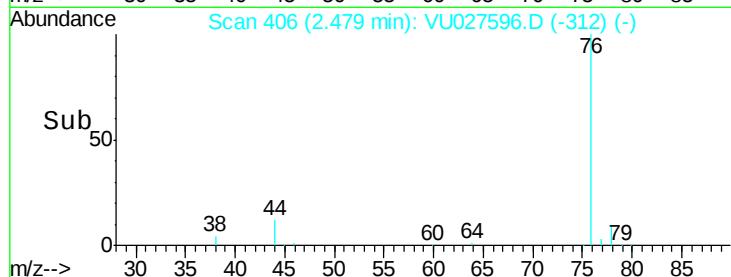
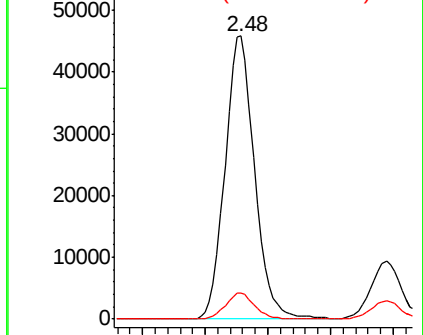
MMDadoda

10/16/2018 2:23:00 PM



Abundance Ion 75.90 (75.60 to 76.60): VU027585.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU027596.D (-312) (-)



#18

Methyl Acetate

Concen: 20.58 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027596.D

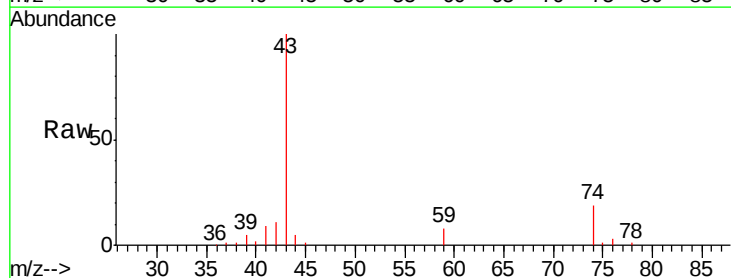
Acq: 11 Oct 2018 14:10

Tgt Ion: 43 Resp: 53128

Ion Ratio Lower Upper

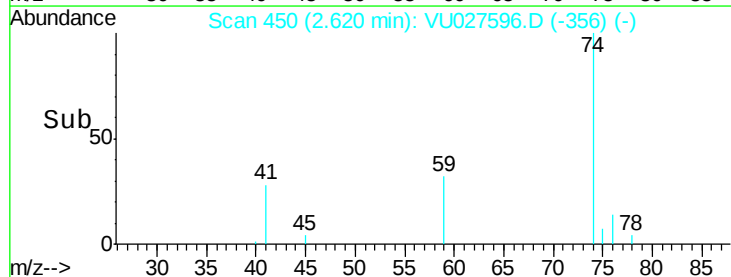
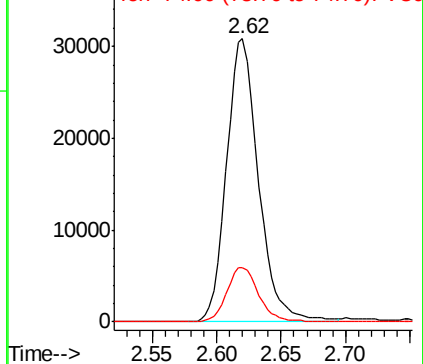
43 100

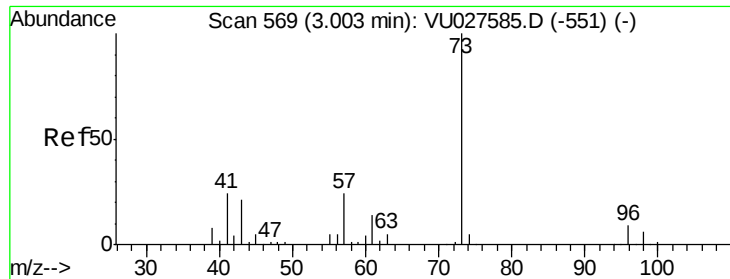
74 19.1 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU027585.D (-436) (-)

Ion 74.00 (73.70 to 74.70): VU027596.D (-356) (-)





#19

Methyl tert-butyl Ether

Concen: 21.03 ug/l

RT: 3.00 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion: 73 Resp: 90850

Ion Ratio Lower Upper

73 100

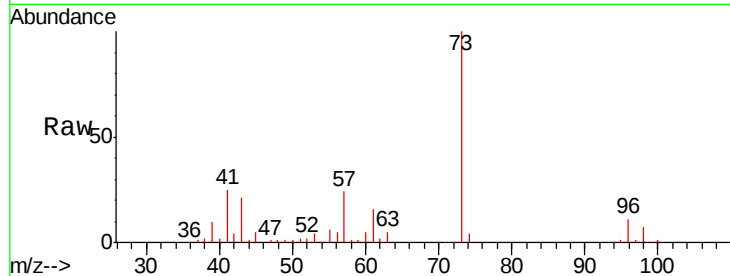
57 24.5 20.0 30.0

Manual Integrations

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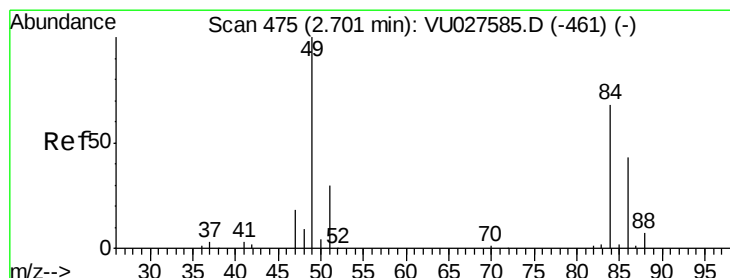
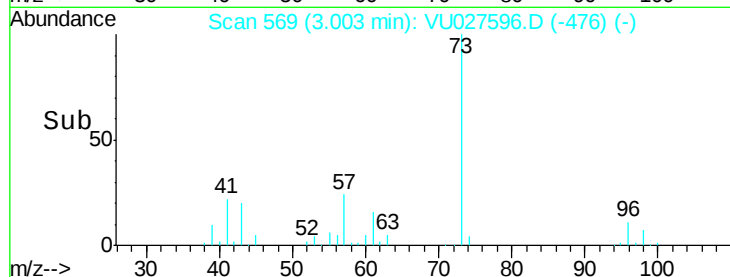
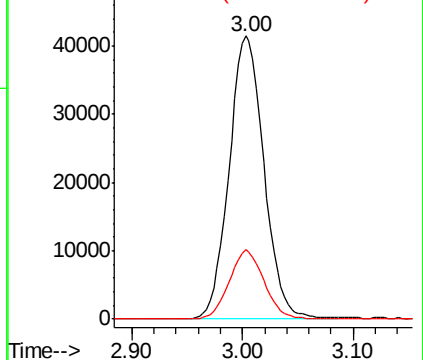
MMDadoda

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Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#20

Methylene Chloride

Concen: 19.67 ug/l

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Tgt Ion: 84 Resp: 28748

Ion Ratio Lower Upper

84 100

49 149.2 120.5 180.7

51 44.7 35.1 52.7

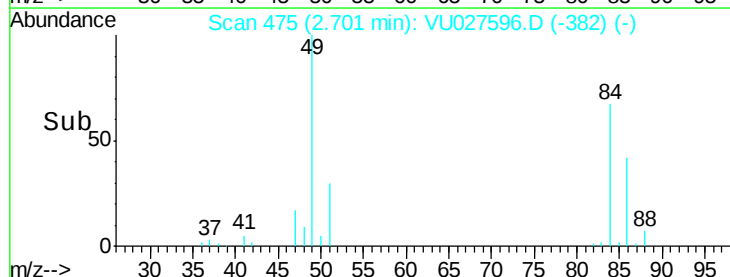
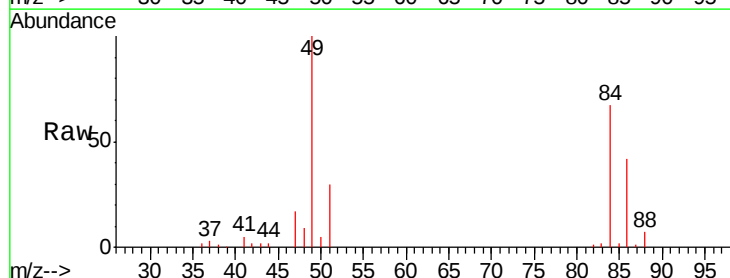
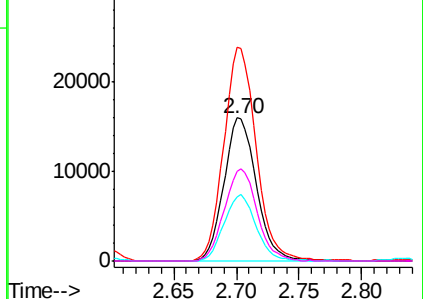
86 62.2 50.5 75.7

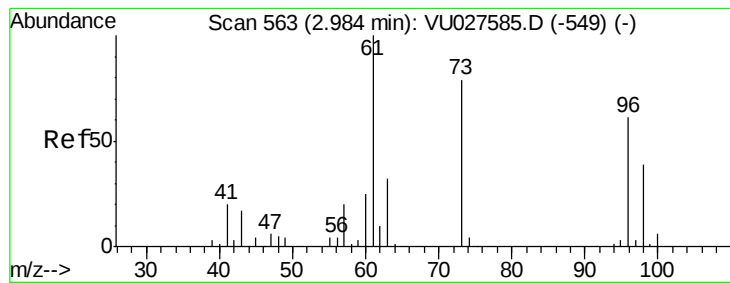
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 20.13 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

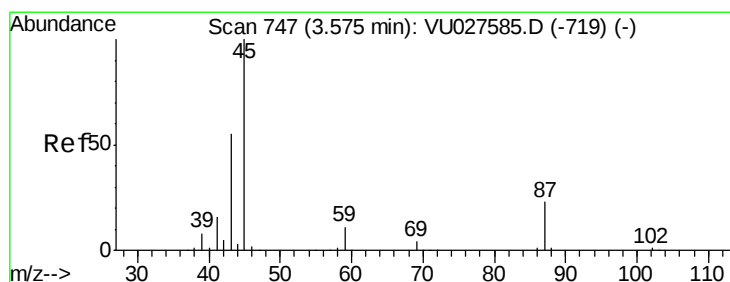
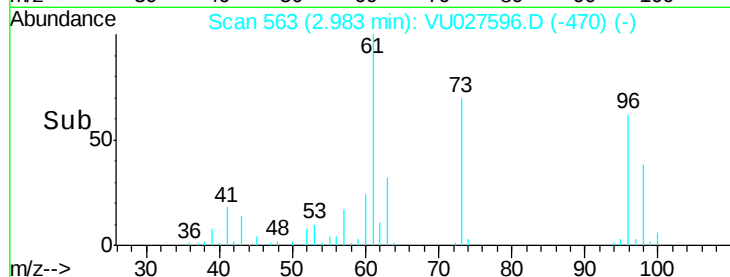
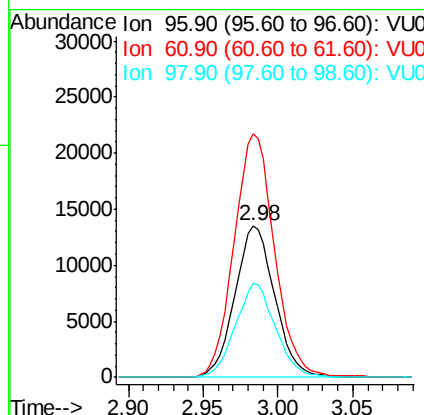
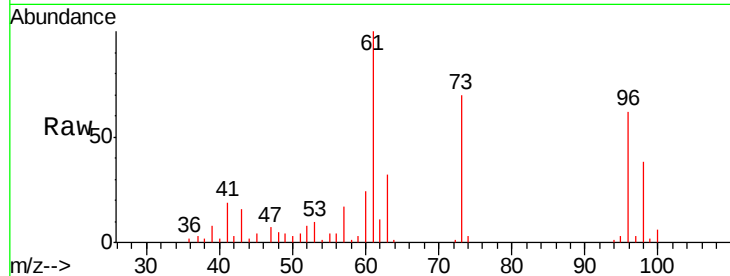
ClientSampled :

VU1011WBS01

Tgt Ion:	96	Resp:	24984
Ion	Ratio	Lower	Upper
96	100		
61	160.6	129.4	194.2
98	61.7	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.13 ug/l

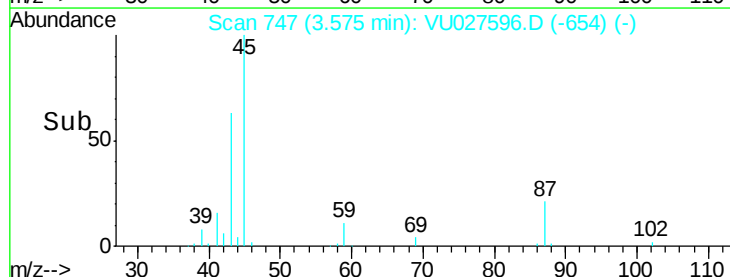
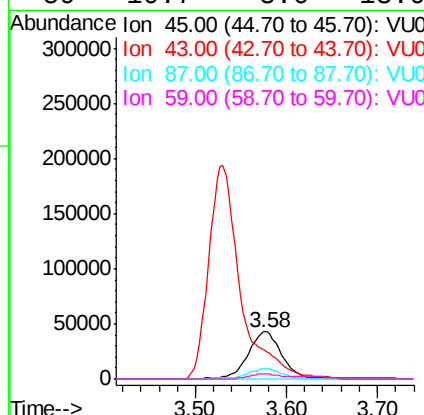
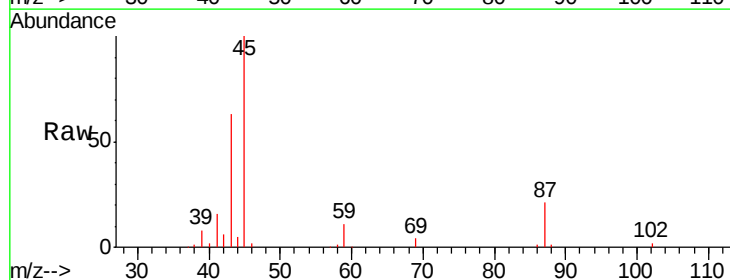
RT: 3.58 min Scan# 747

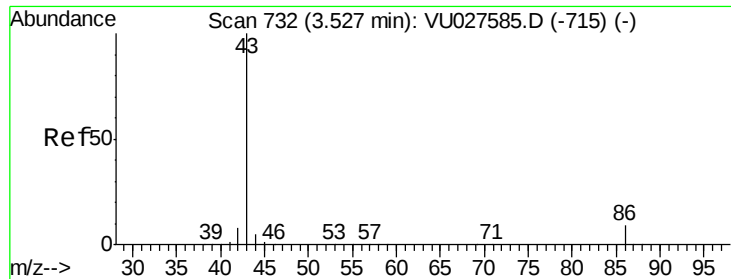
Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Tgt Ion:	45	Resp:	110220
Ion	Ratio	Lower	Upper
45	100		
43	59.6	43.4	65.2
87	21.3	17.5	26.3
59	10.7	8.6	13.0





#23

Vinyl Acetate

Concen: 107.08 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion: 43 Resp: 472481

Ion Ratio Lower Upper

43 100

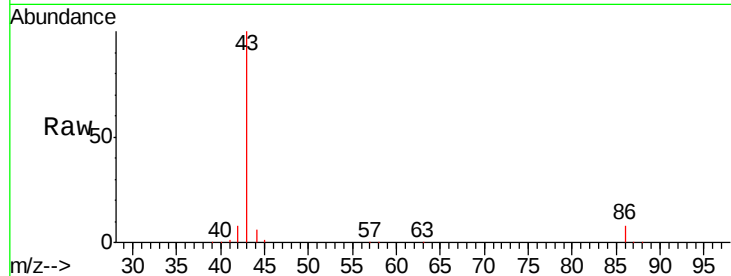
86 8.5 7.0 10.4

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

200000

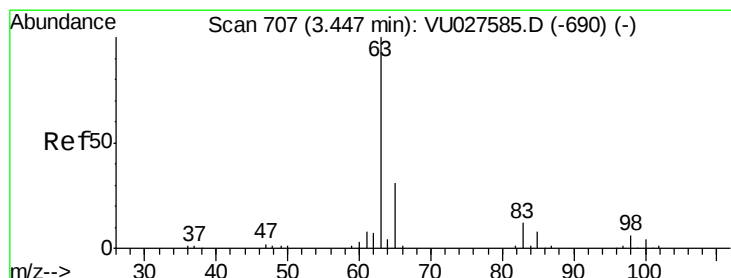
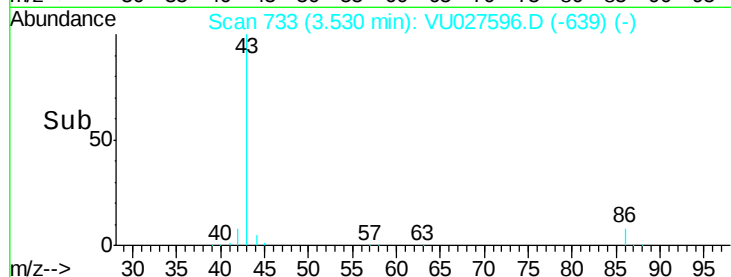
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.51 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

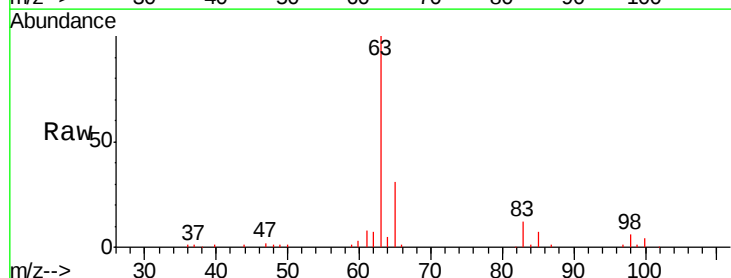
Tgt Ion: 63 Resp: 56638

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.9 1.8 5.5



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

3.45

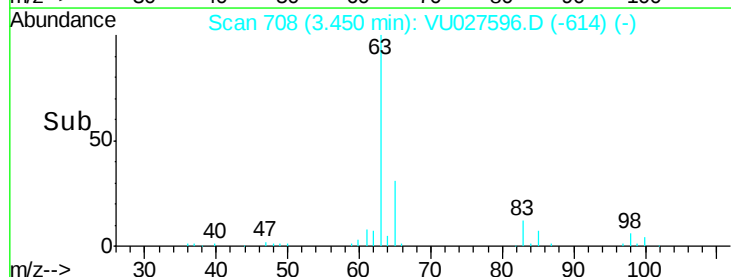
30000

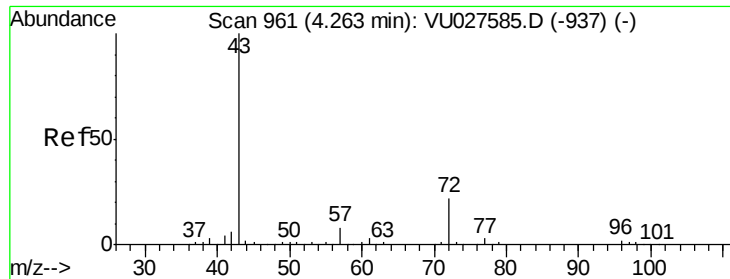
20000

10000

0

Time-->





#25

2-Butanone

Concen: 103.76 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion: 43 Resp: 151796

Ion Ratio Lower Upper

43 100

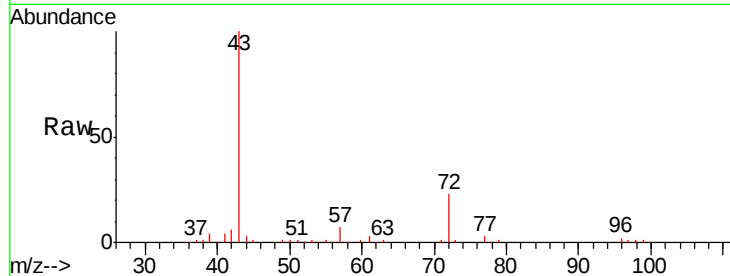
72 22.8 17.8 26.6

Manual Integrations

APPROVED

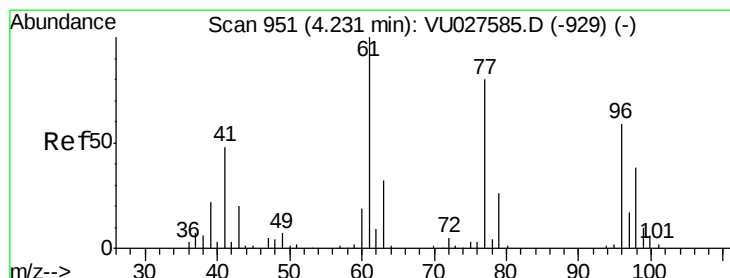
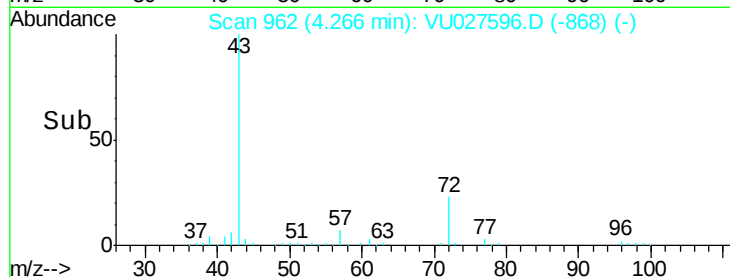
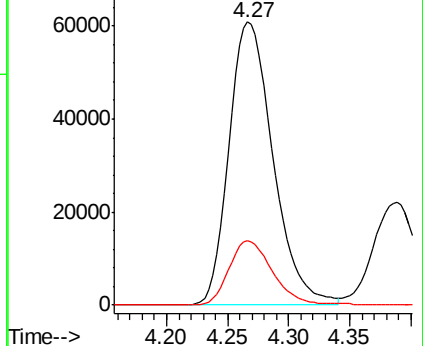
MMDadoda

10/16/2018 2:23:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.79 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027596.D

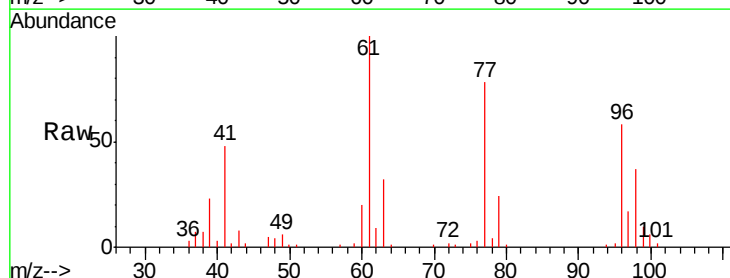
Acq: 11 Oct 2018 14:10

Tgt Ion: 77 Resp: 43814

Ion Ratio Lower Upper

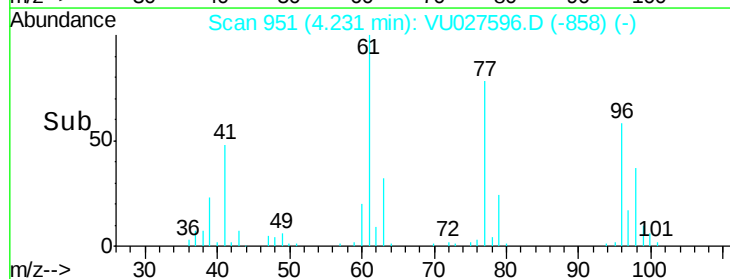
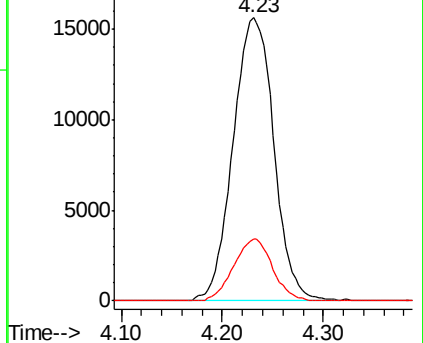
77 100

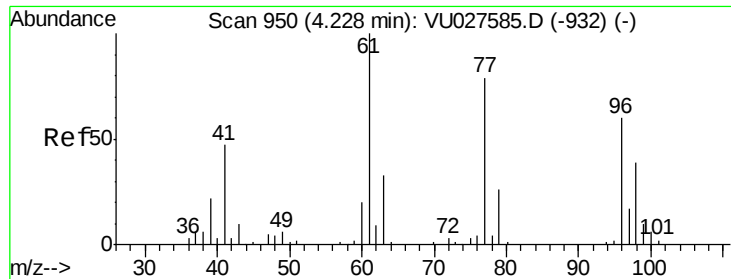
97 20.7 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

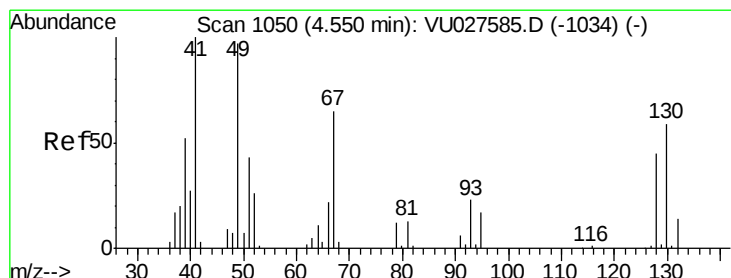
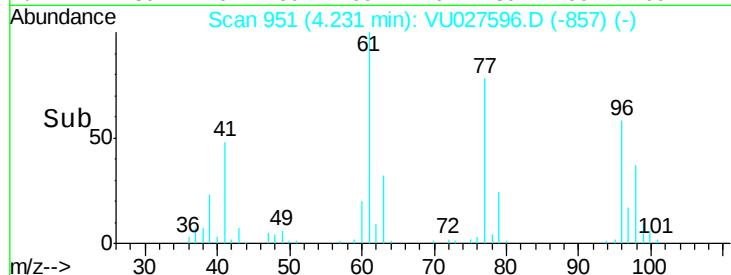
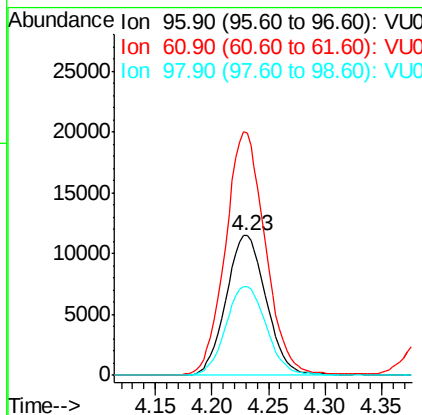
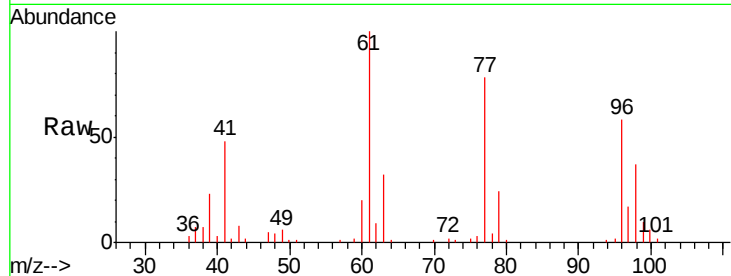
cis-1,2-Dichloroethene
Concen: 20.60 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	28346		
61	173.9	0.0	343.8	
98	64.4	0.0	129.0	

Manual Integrations
APPROVED

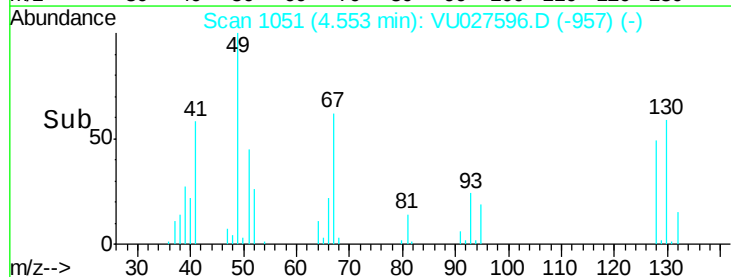
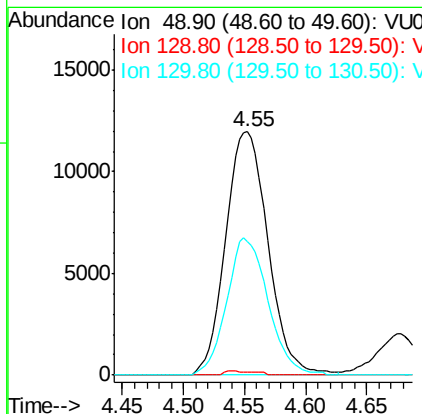
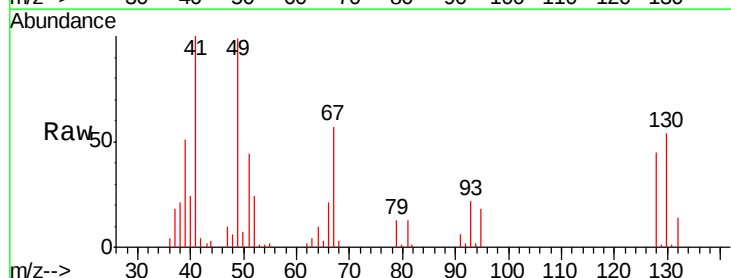
MMDadoda
10/16/2018 2:23:00 PM

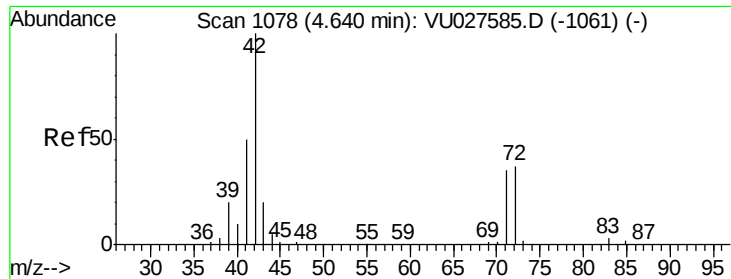


#28

Bromochloromethane
Concen: 21.27 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28978		
129	0.7	0.0	3.0	
130	54.8	46.1	69.1	





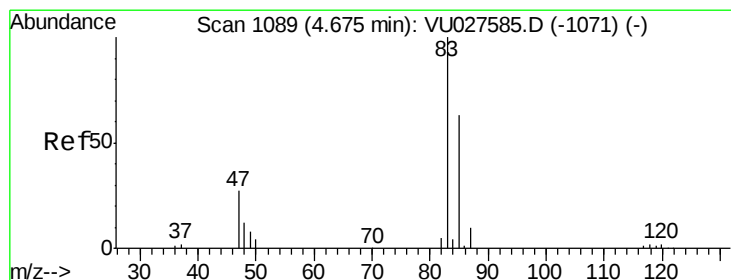
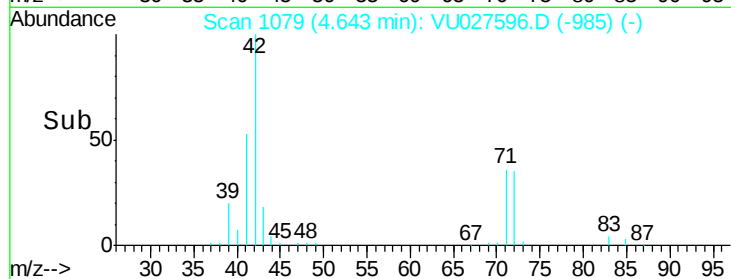
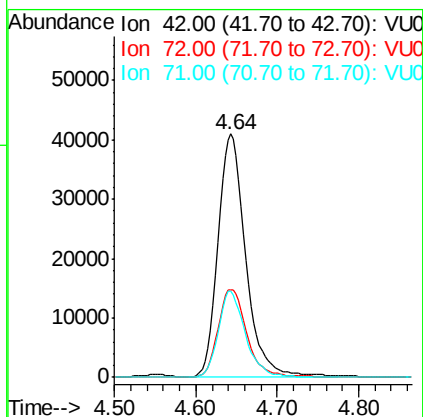
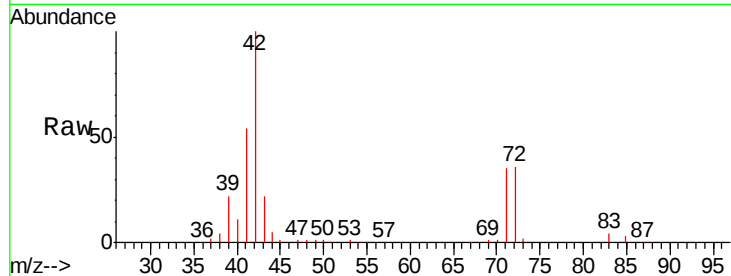
#29
Tetrahydrofuran
Concen: 108.06 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.1	45.1
71	34.5	27.7	41.5

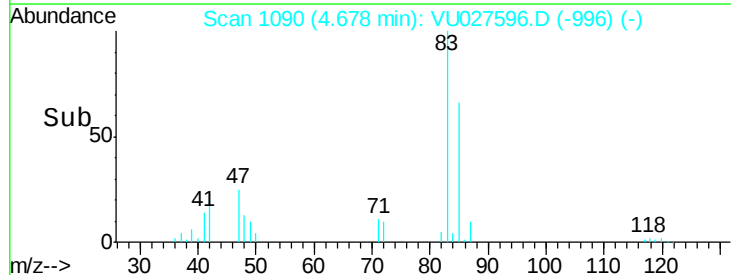
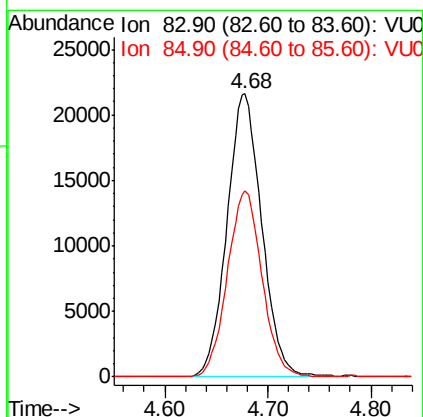
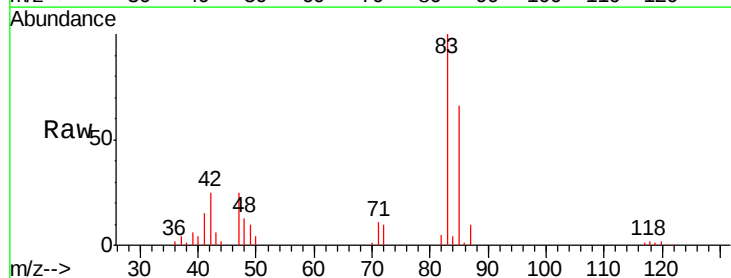
Manual Integrations
APPROVED

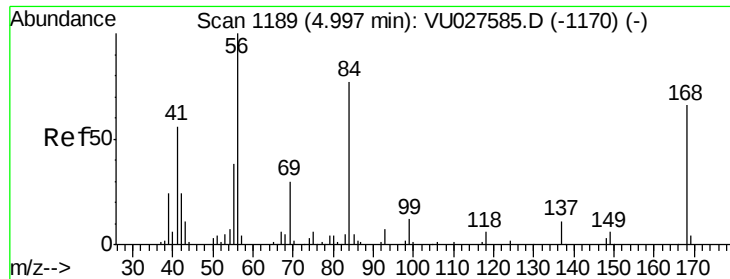
MMDadoda
10/16/2018 2:23:00 PM



#30
Chloroform
Concen: 20.69 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.6





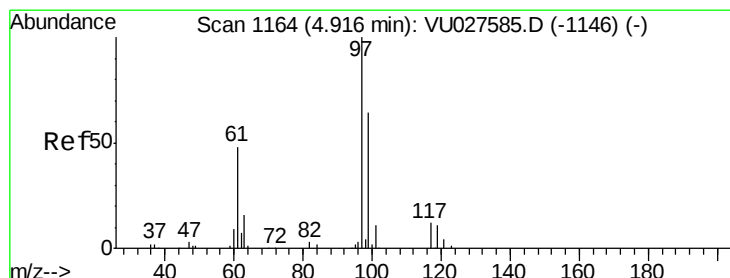
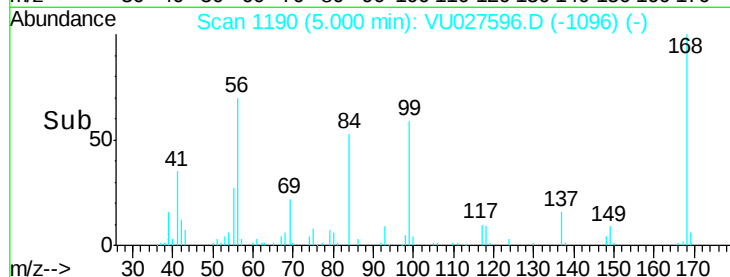
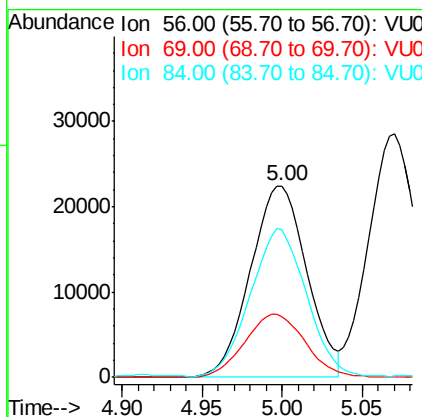
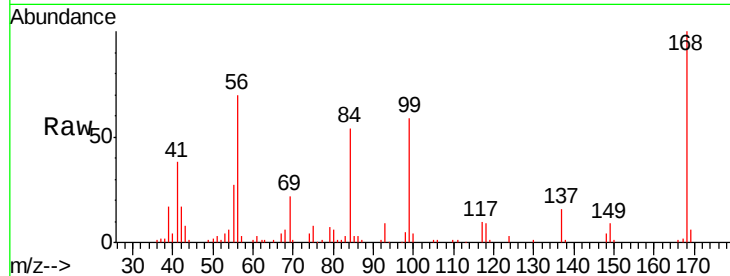
#31
Cyclohexane
Concen: 20.11 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.9	24.1	36.1
84	76.6	59.1	88.7

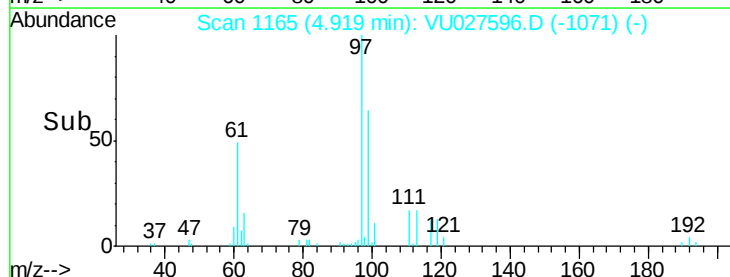
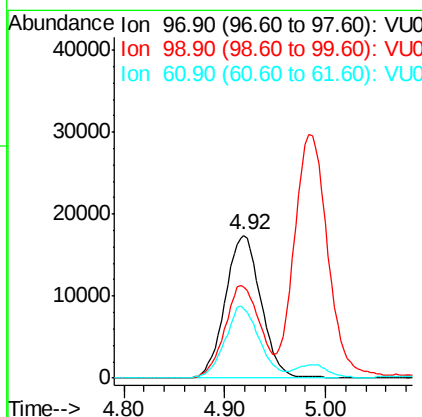
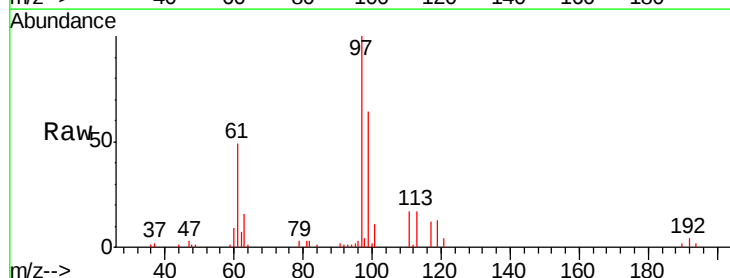
Manual Integrations
APPROVED

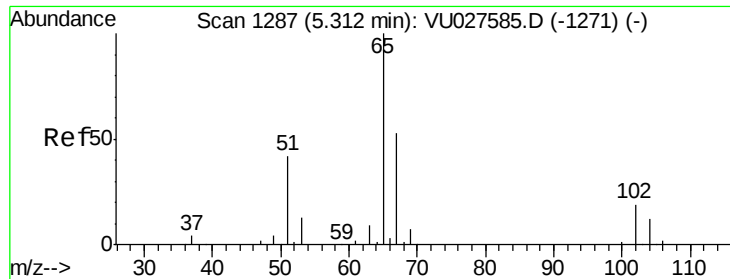
MMDadoda
10/16/2018 2:23:00 PM



#32
1,1,1-Trichloroethane
Concen: 20.61 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.1	76.7
61	48.6	39.6	59.4





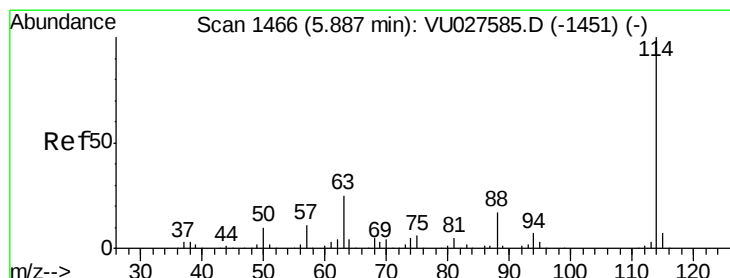
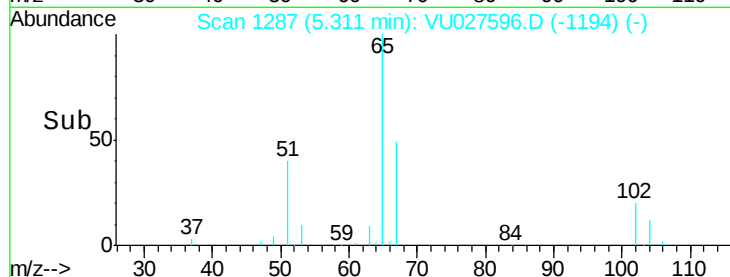
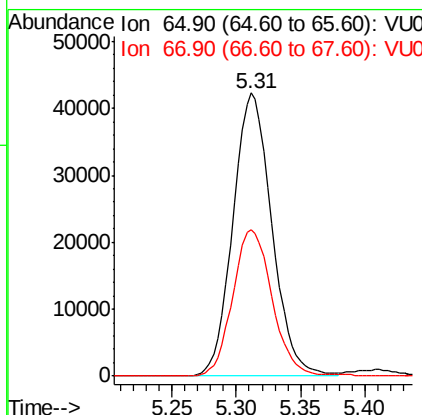
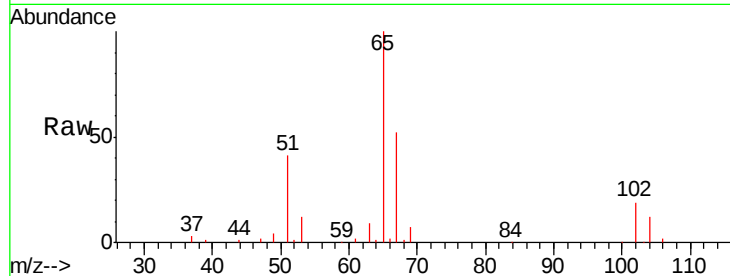
#33
 1,2-Dichloroethane-d4
 Concen: 52.51 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBS01

Tgt Ion: 65 Resp: 88922
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.8

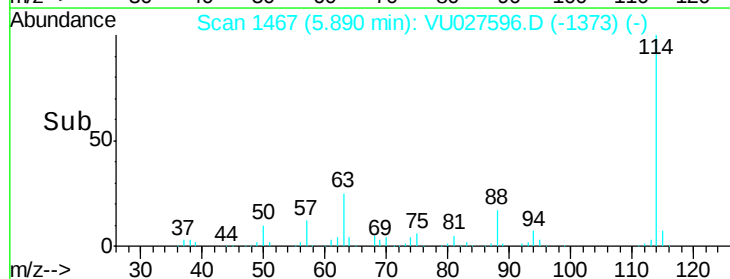
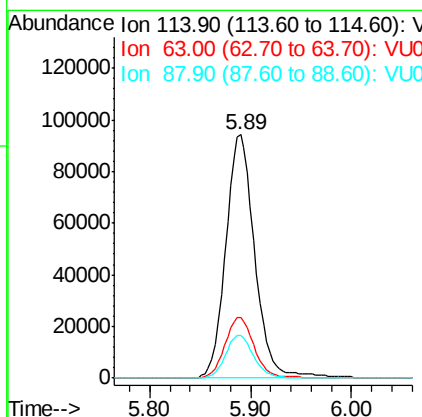
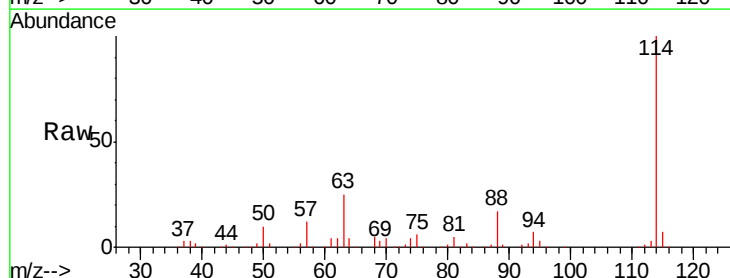
Manual Integrations
 APPROVED

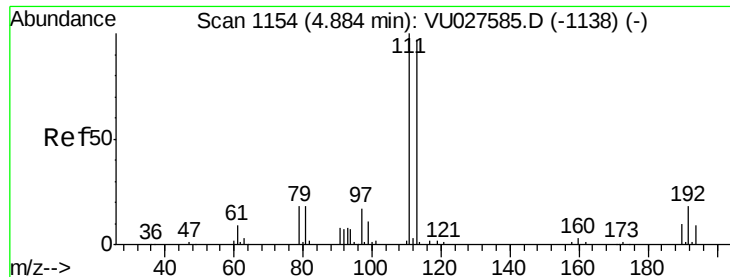
MMDadoda
 10/16/2018 2:23:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Tgt Ion: 114 Resp: 188875
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 50.2
 88 17.5 0.0 33.8





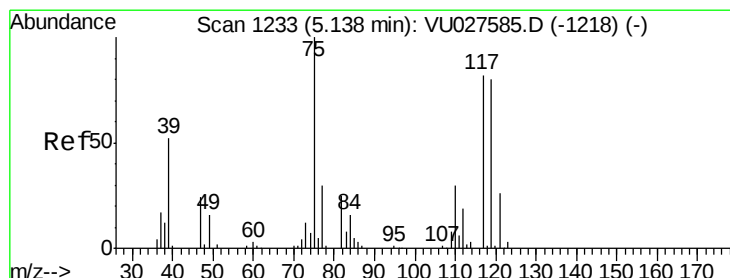
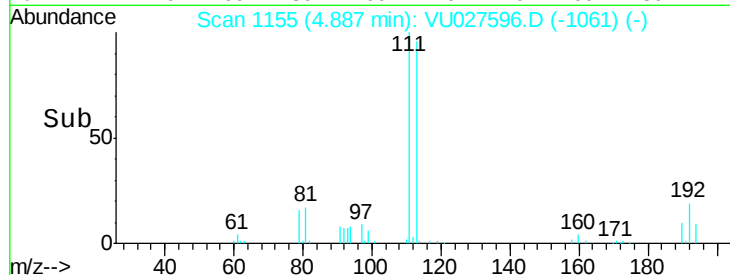
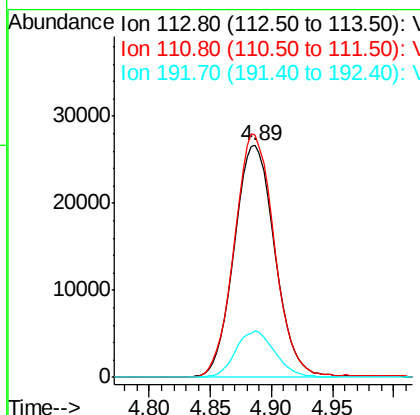
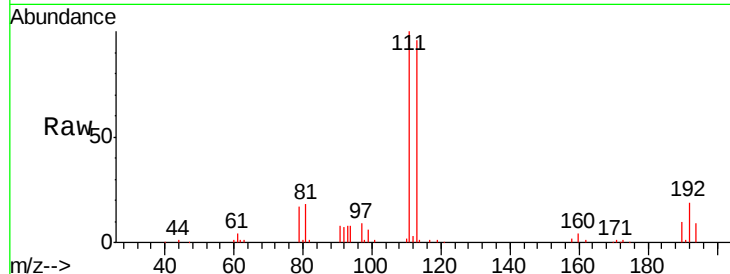
#35
 Dibromofluoromethane
 Concen: 49.35 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	61663		
111	103.2	83.1	124.7	
192	19.1	15.4	23.0	

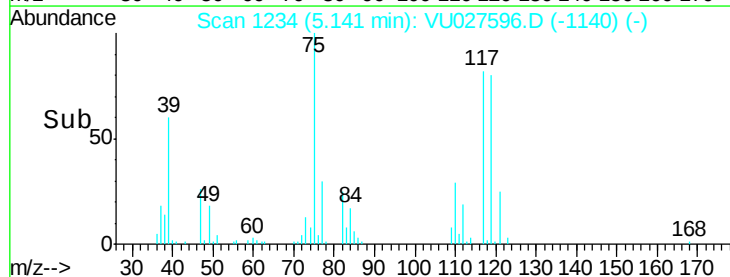
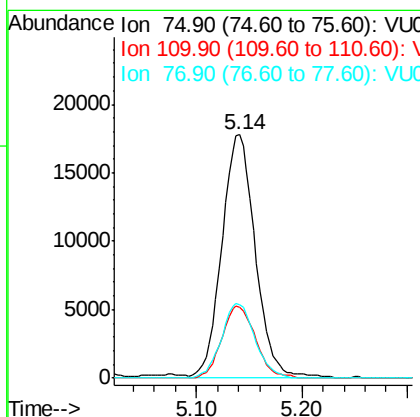
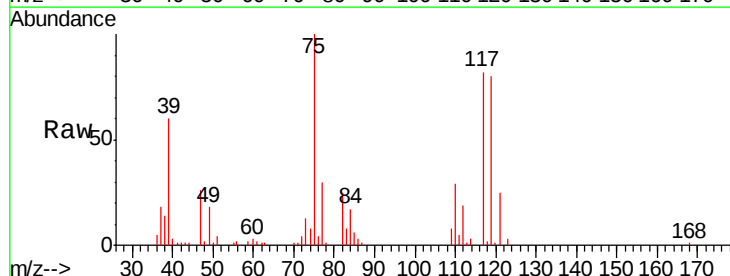
Manual Integrations
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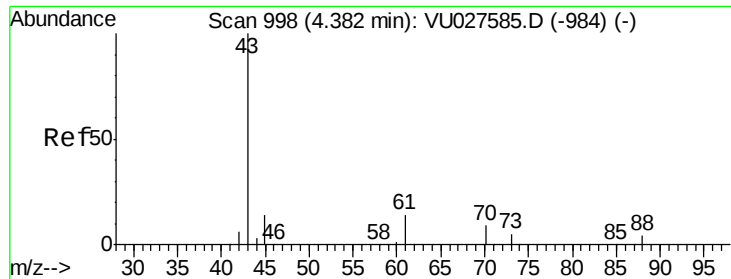
MMDadoda
 10/16/2018 2:23:00 PM



#36
 1,1-Dichloropropene
 Concen: 20.42 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39183		
110	29.6	15.5	46.5	
77	30.5	25.4	38.0	





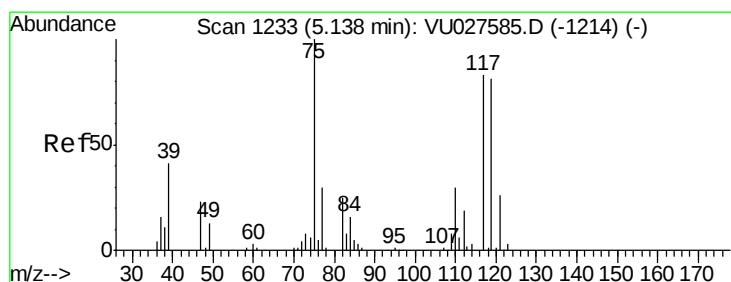
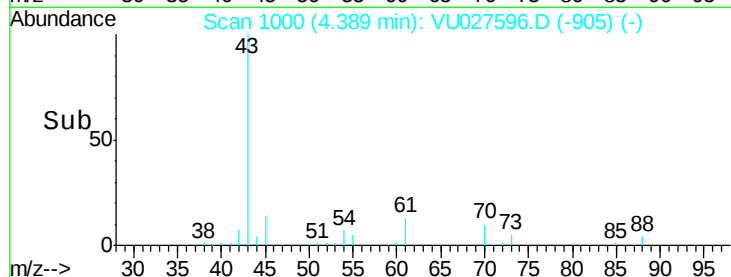
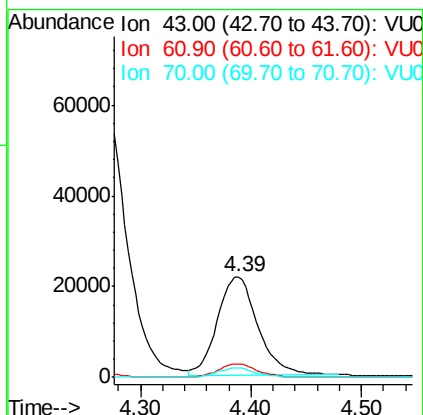
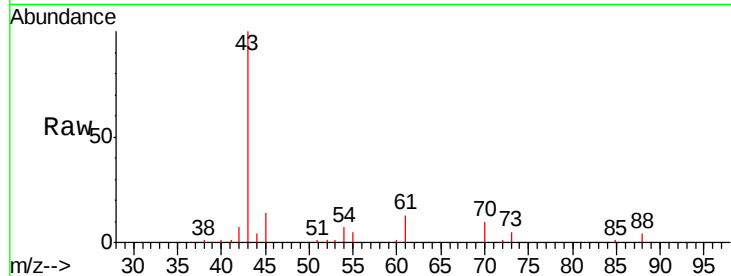
#37
Ethyl Acetate
Concen: 20.20 ug/l
RT: 4.39 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	9.0	7.4	11.2

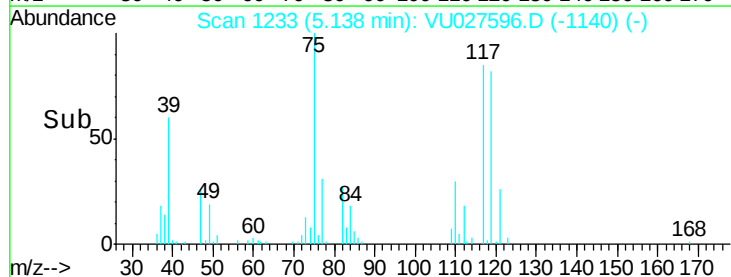
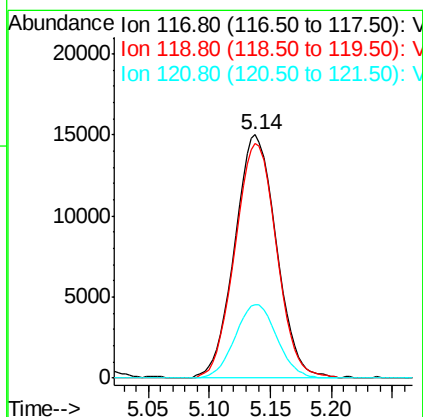
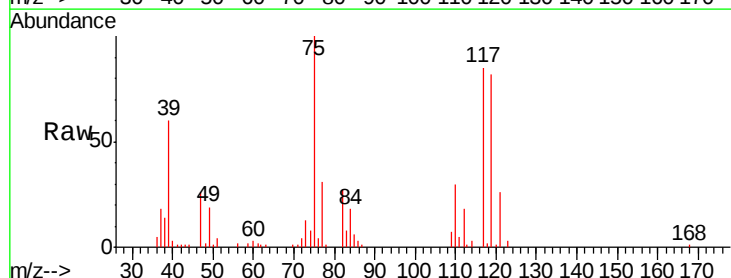
Manual Integrations
APPROVED

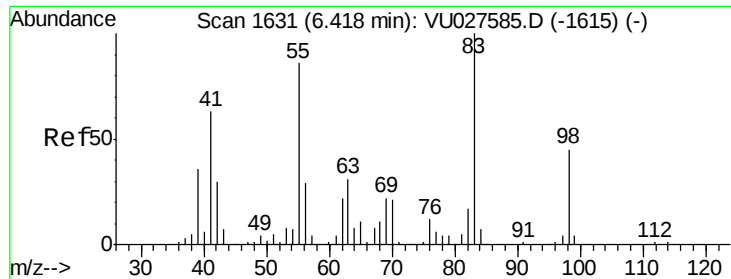
MMDadoda
10/16/2018 2:23:00 PM



#38
Carbon Tetrachloride
Concen: 20.09 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.5	111.7
121	30.3	24.6	37.0





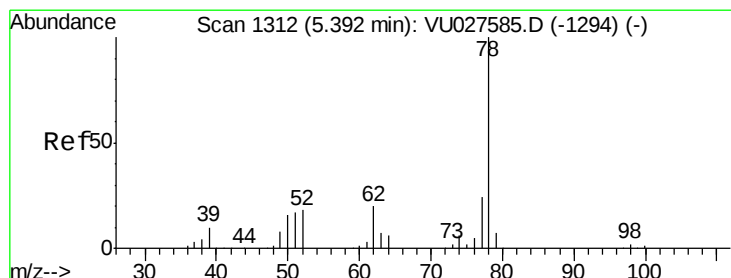
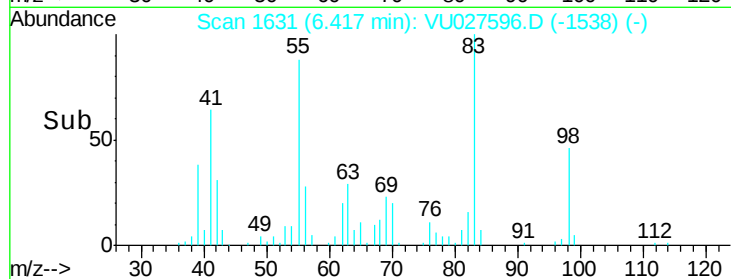
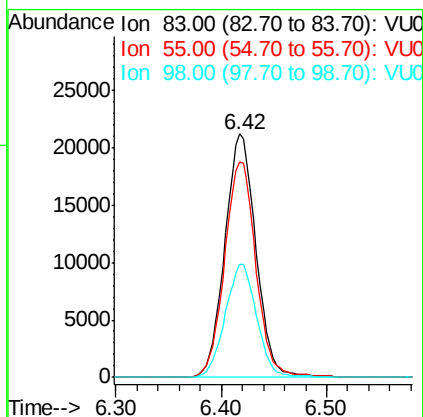
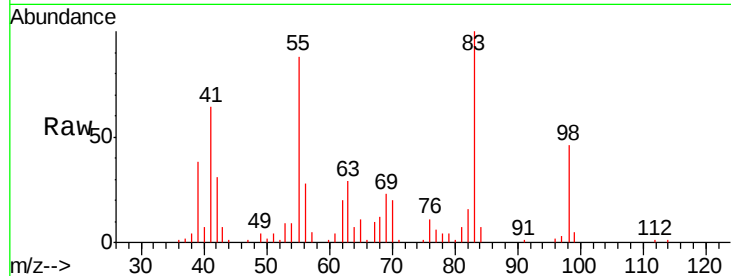
#39
Methylcyclohexane
Concen: 19.99 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.5	71.1	106.7
98	46.2	36.3	54.5

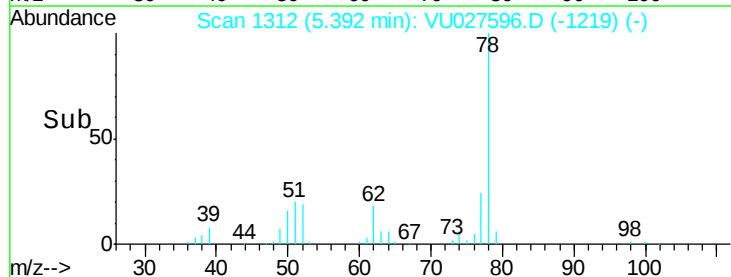
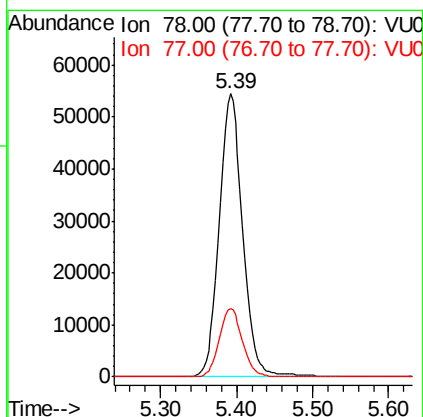
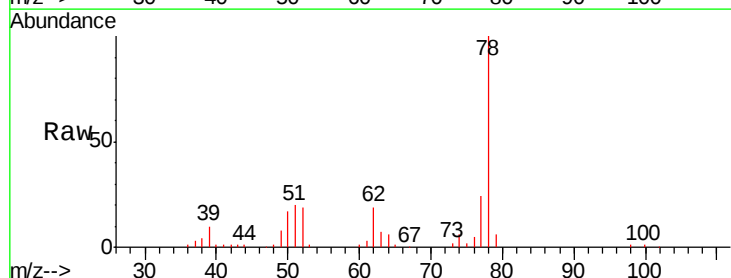
Manual Integrations
APPROVED

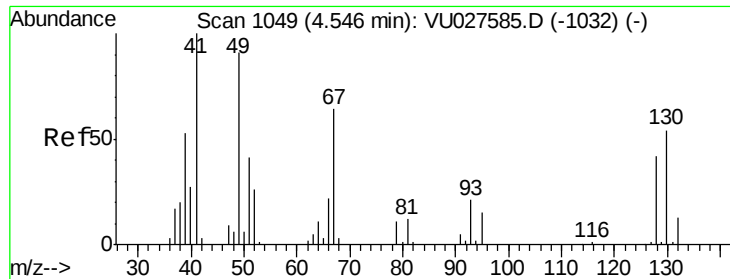
MMDadoda
10/16/2018 2:23:00 PM



#40
Benzene
Concen: 20.11 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





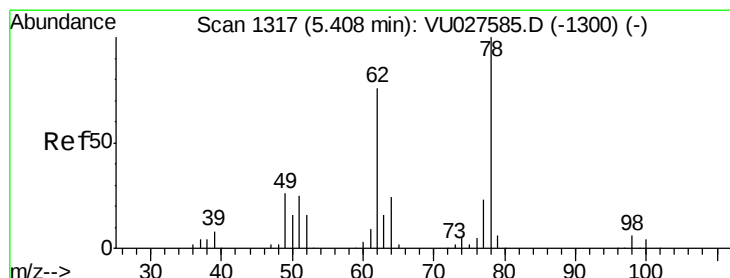
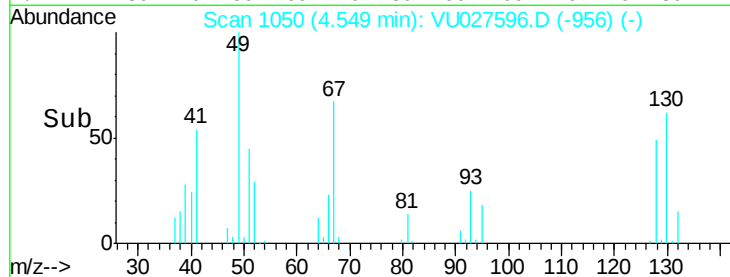
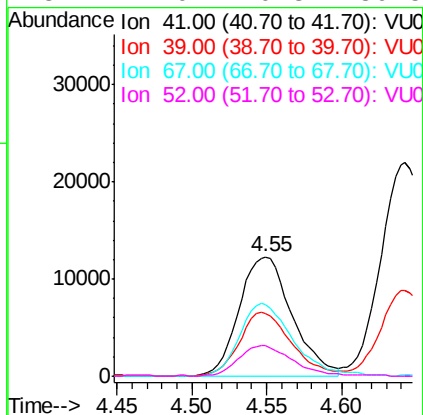
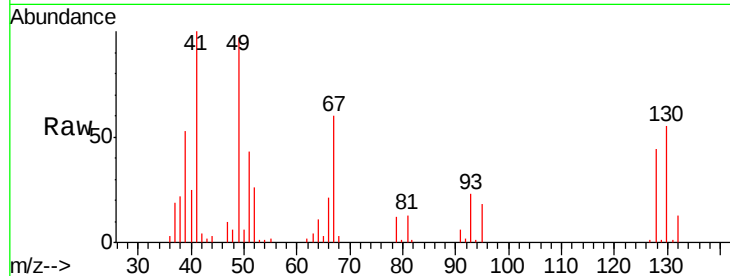
#41
Methacrylonitrile
Concen: 20.08 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	41.1	61.7	
67	61.9	50.4	75.6	
52	27.0	20.3	30.5	

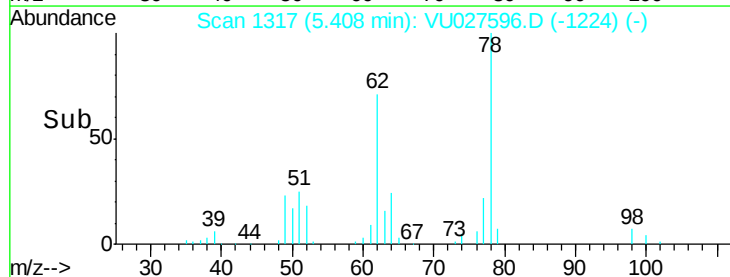
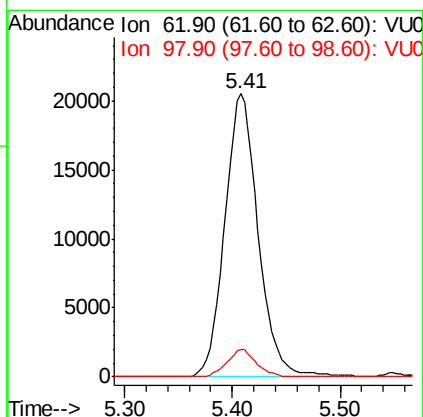
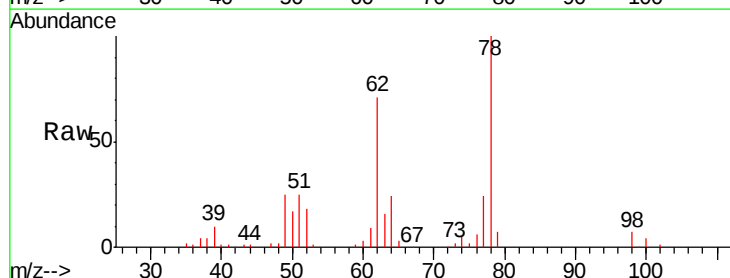
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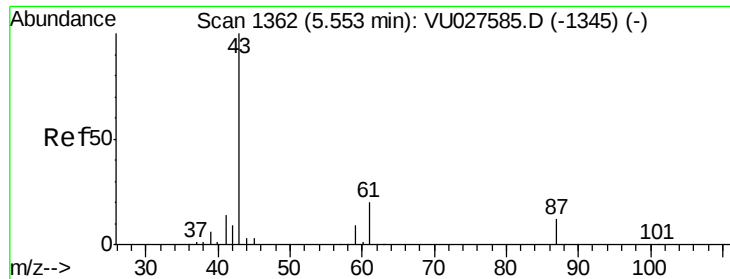
MMDadoda
10/16/2018 2:23:00 PM



#42
1,2-Dichloroethane
Concen: 20.57 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.8	





#43

Isopropyl Acetate

Concen: 21.19 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

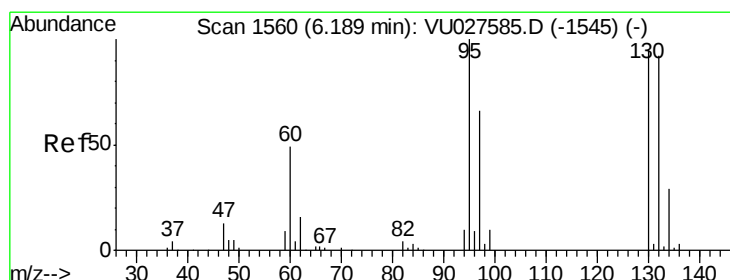
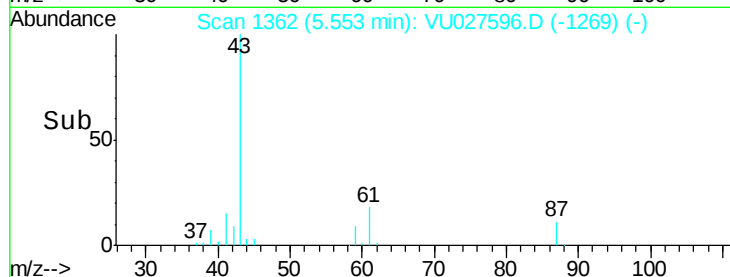
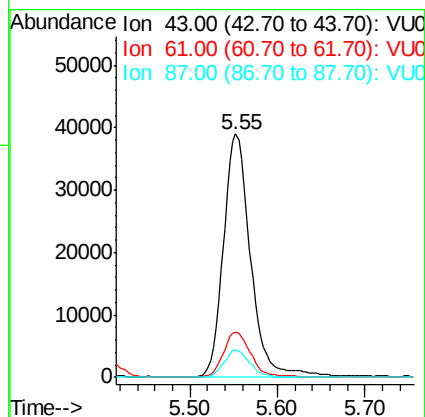
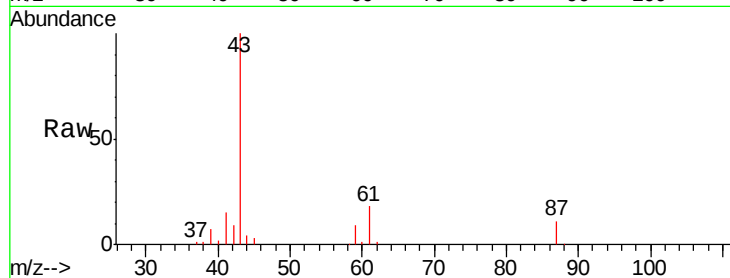
ClientSampleId :

VU1011WBS01

Tgt Ion:	43	Resp:	84405
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.3	22.9
87	10.6	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.71 ug/l

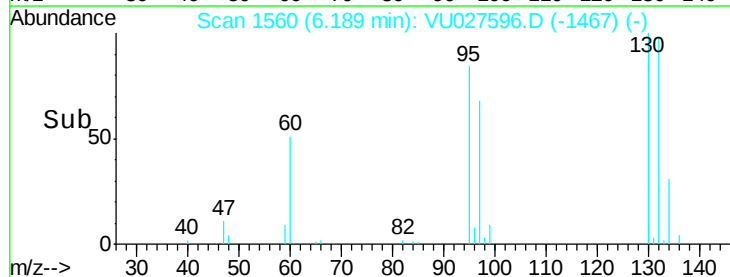
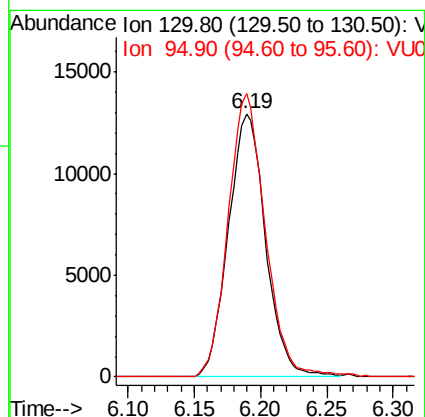
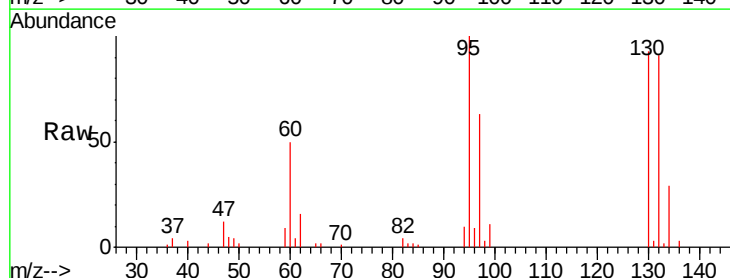
RT: 6.19 min Scan# 1560

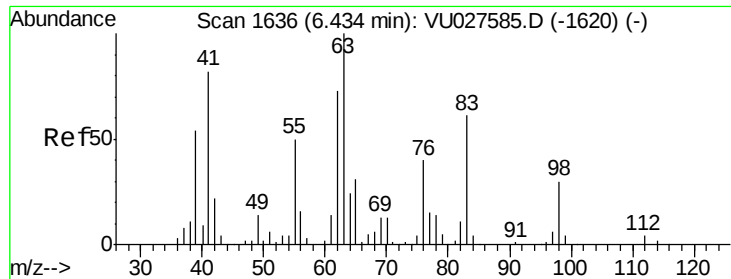
Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Tgt Ion:	130	Resp:	25244
Ion	Ratio	Lower	Upper
130	100		
95	107.6	0.0	207.0





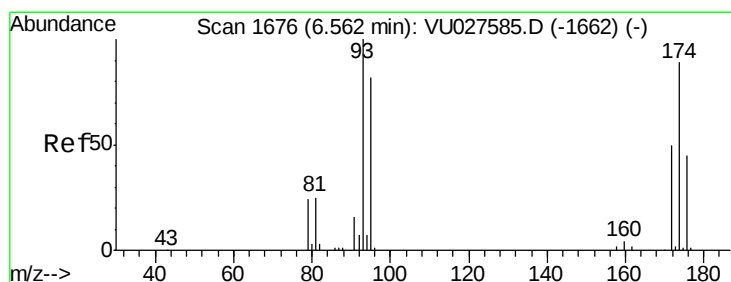
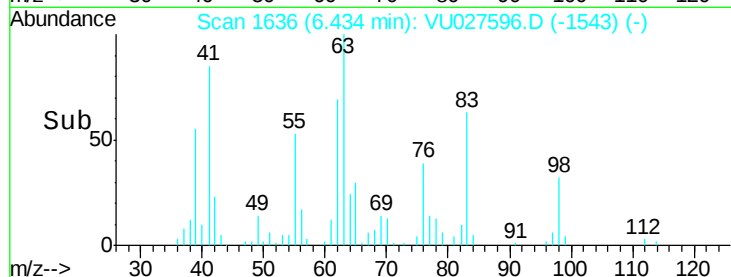
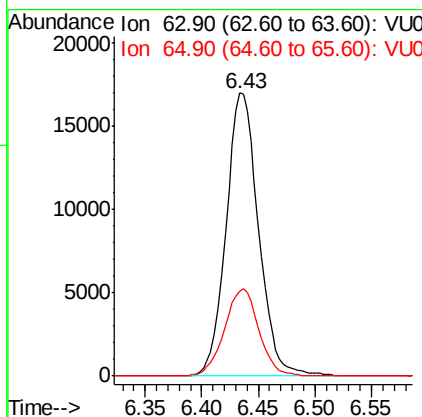
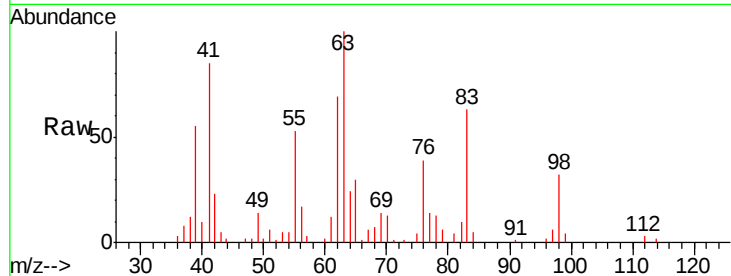
#45
 1,2-Dichloropropane
 Concen: 20.54 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBS01

Tgt Ion: 63 Resp: 33912
 Ion Ratio Lower Upper
 63 100
 65 30.1 26.0 39.0

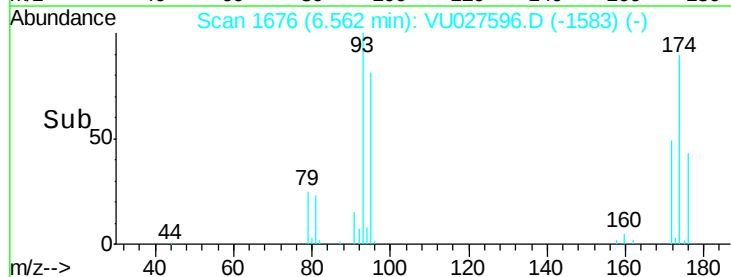
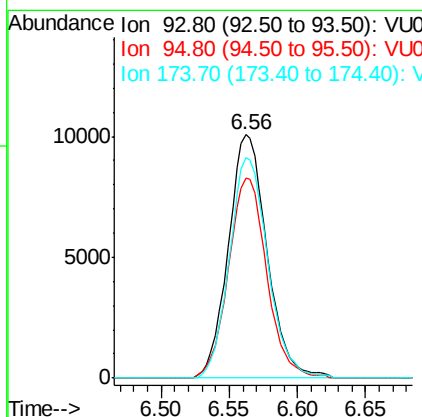
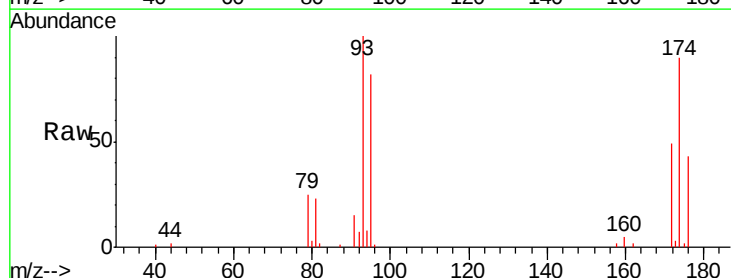
Manual Integrations
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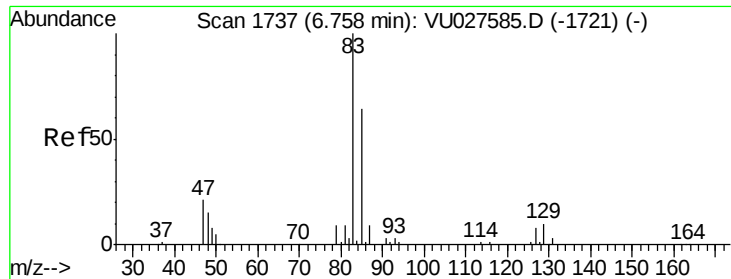
MMDadoda
 10/16/2018 2:23:00 PM



#46
 Dibromomethane
 Concen: 20.47 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Tgt Ion: 93 Resp: 19897
 Ion Ratio Lower Upper
 93 100
 95 81.1 66.5 99.7
 174 89.8 72.5 108.7





#47

Bromodichloromethane

Concen: 20.11 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

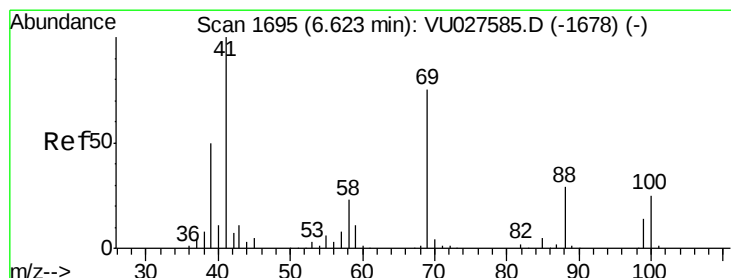
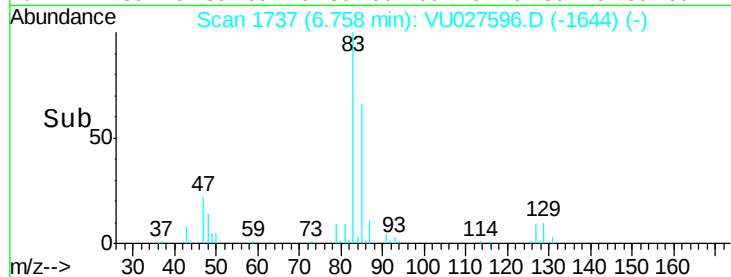
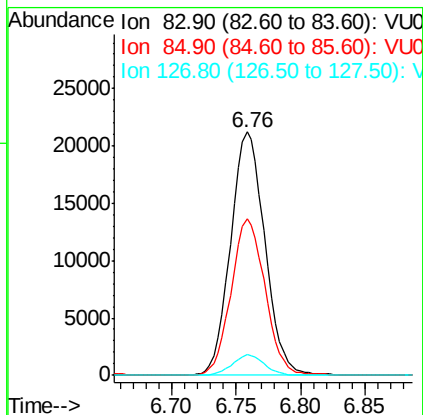
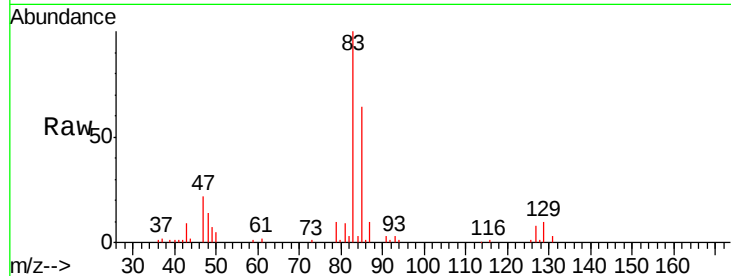
ClientSampleId :

VU1011WBS01

Tgt Ion:	83	Resp:	39305
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	8.4	6.3	9.5

Manual Integrations
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MMDadoda
10/16/2018 2:23:00 PM



#48

Methyl methacrylate

Concen: 19.75 ug/l

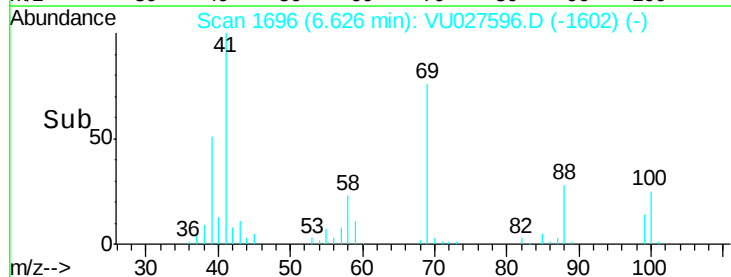
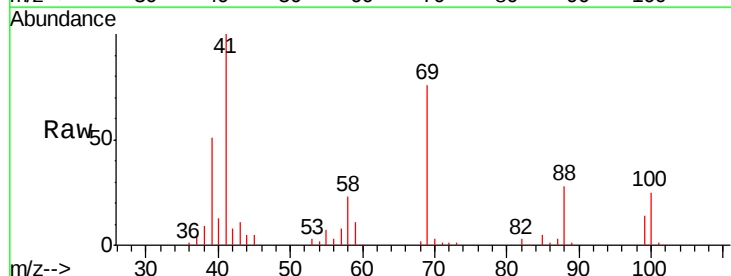
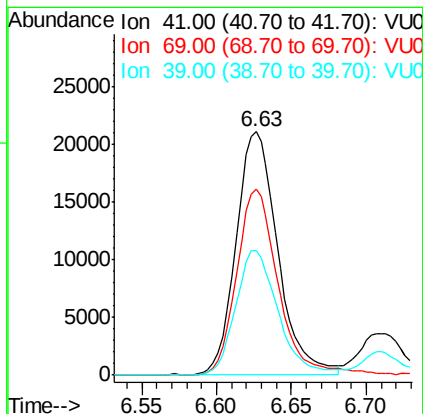
RT: 6.63 min Scan# 1696

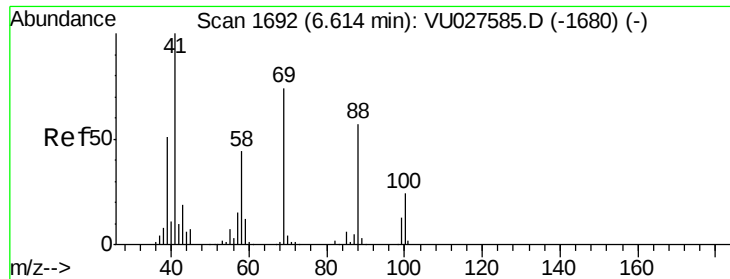
Delta R.T. 0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Tgt Ion:	41	Resp:	41092
Ion	Ratio	Lower	Upper
41	100		
69	76.1	61.0	91.4
39	52.3	39.9	59.9





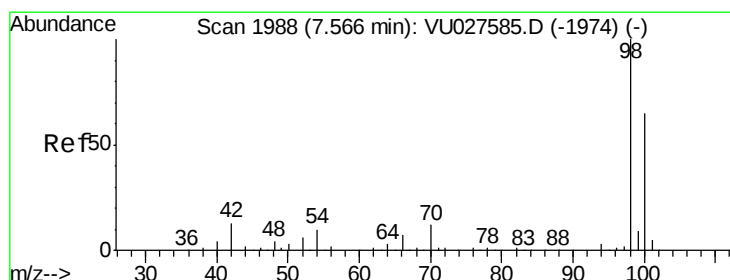
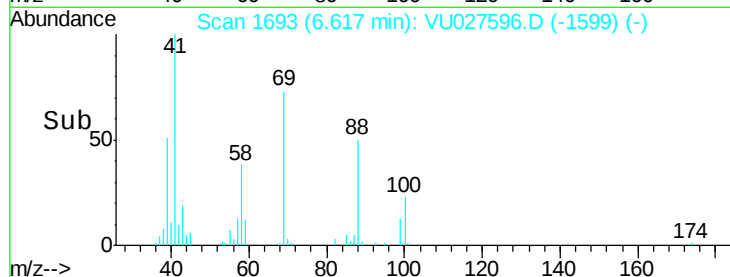
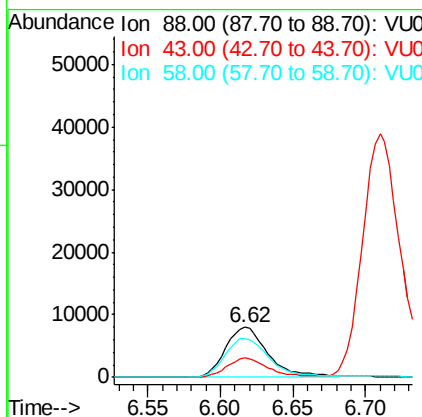
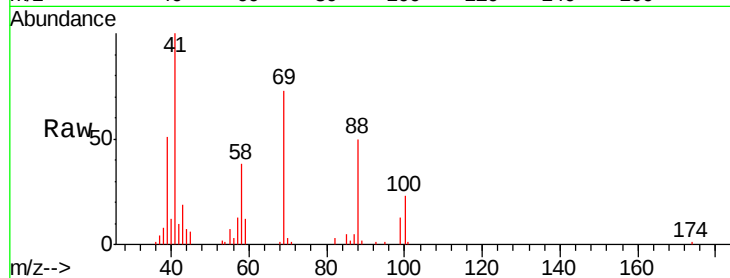
#49
1,4-Dioxane
Concen: 429.95 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion: 88 Resp: 16388
Ion Ratio Lower Upper
88 100
43 37.5 30.8 46.2
58 81.1 67.0 100.6

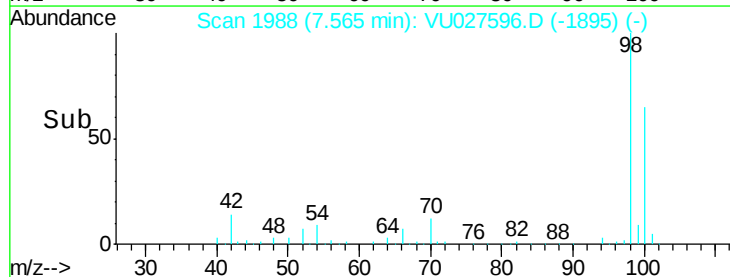
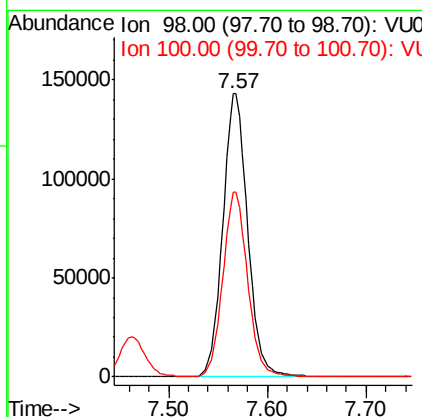
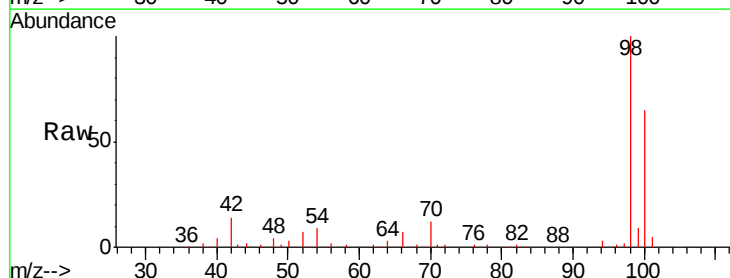
Manual Integrations
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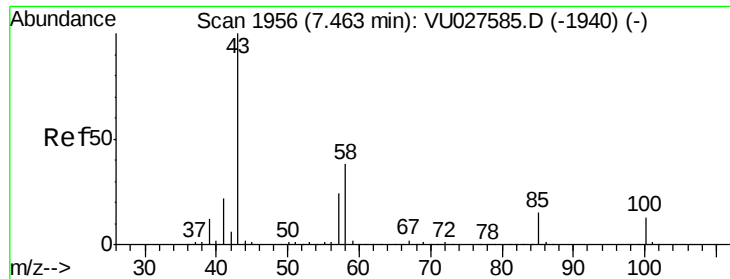
MMDadoda
10/16/2018 2:23:00 PM



#50
Toluene-d8
Concen: 53.09 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion: 98 Resp: 252649
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 107.94 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion: 43 Resp: 289078

Ion Ratio Lower Upper

43 100

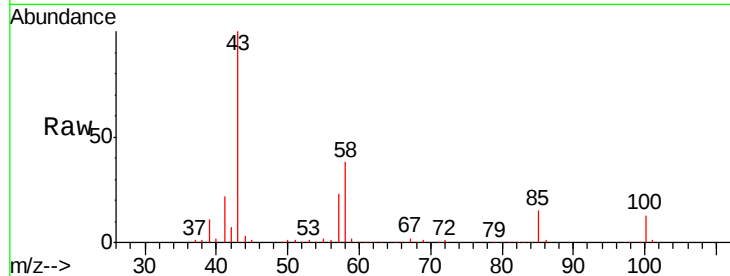
58 37.7 29.8 44.8

Manual Integrations

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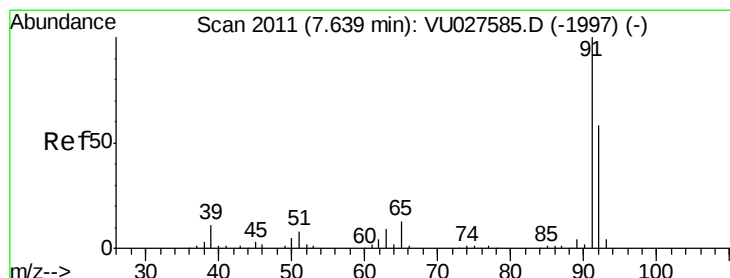
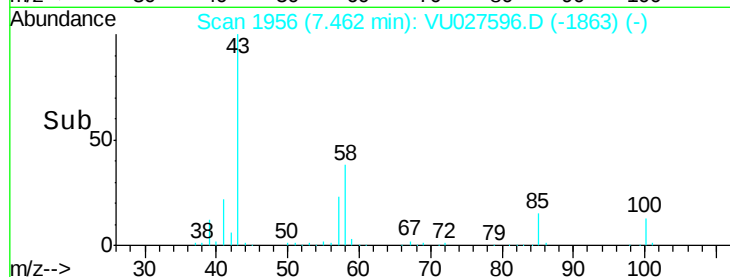
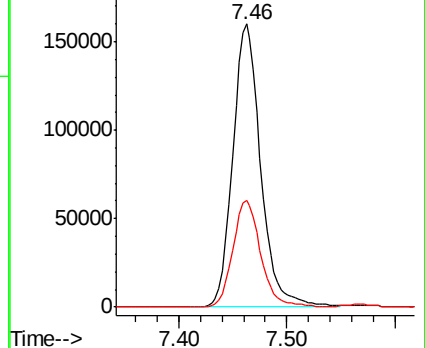
MMDadoda

10/16/2018 2:23:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 21.71 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027596.D

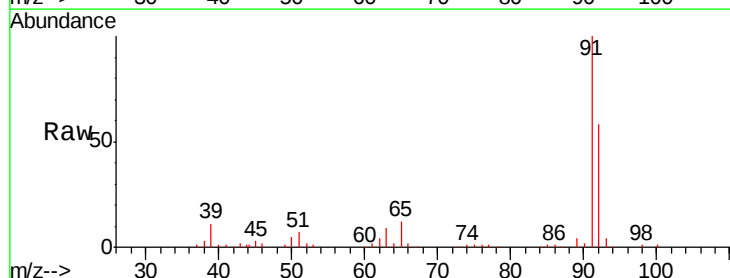
Acq: 11 Oct 2018 14:10

Tgt Ion: 92 Resp: 72045

Ion Ratio Lower Upper

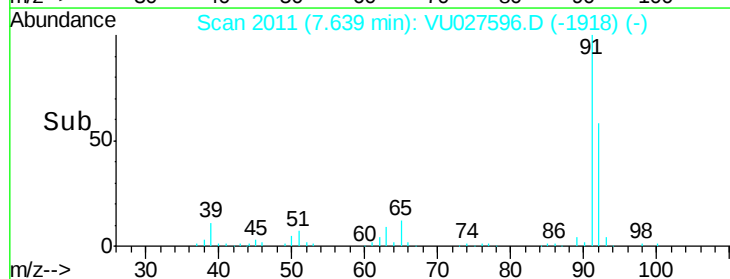
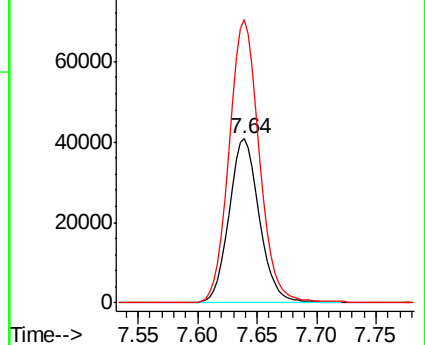
92 100

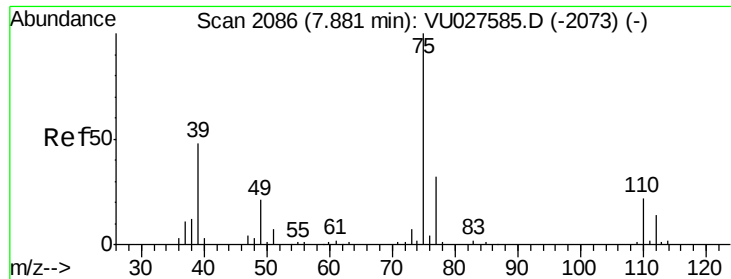
91 172.7 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





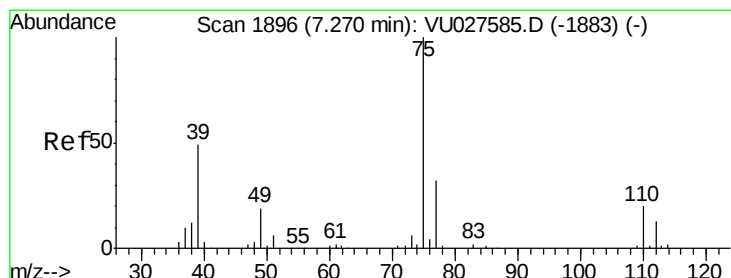
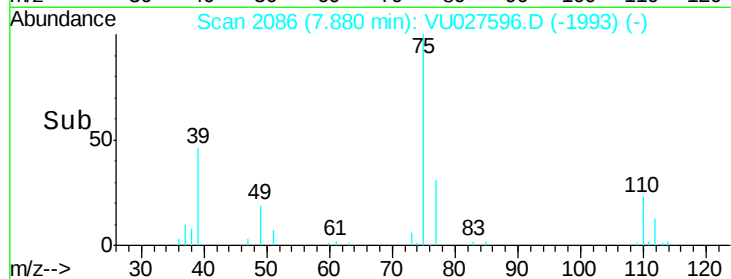
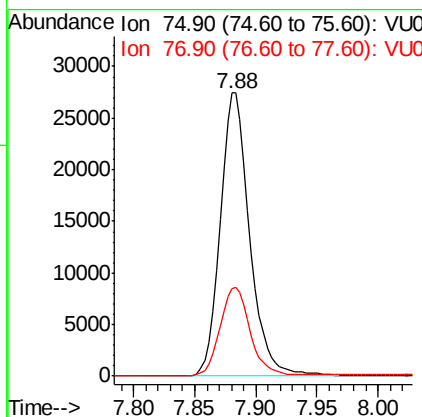
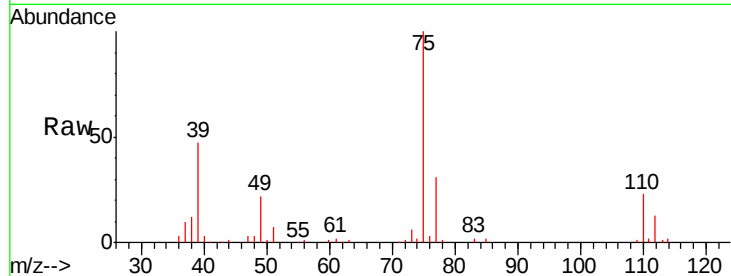
#53
t-1,3-Dichloropropene
Concen: 20.89 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion: 75 Resp: 46486
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6

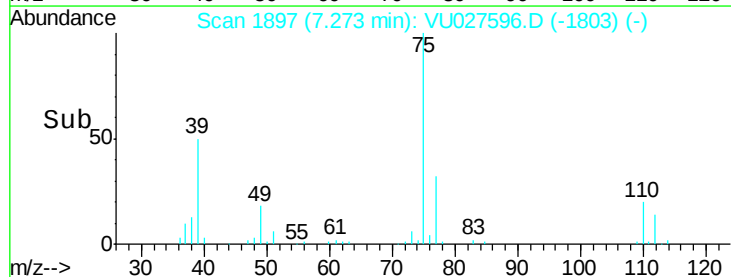
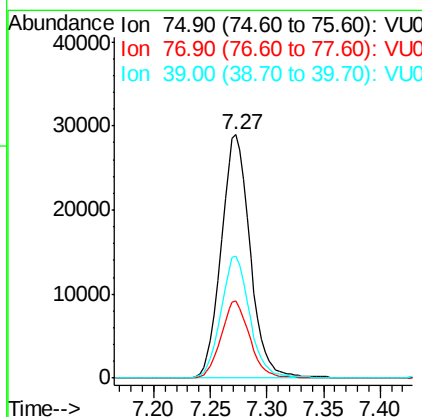
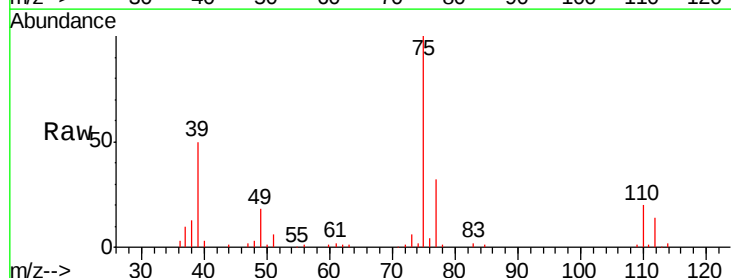
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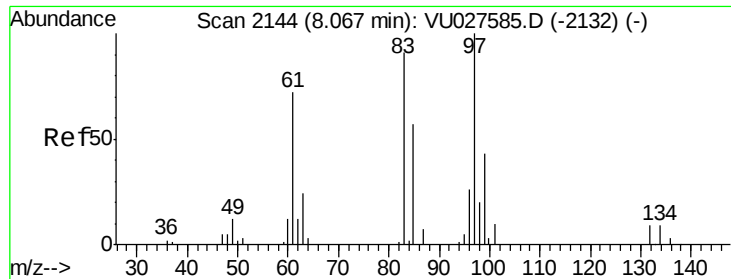
MMDadoda
10/16/2018 2:23:00 PM



#54
cis-1,3-Dichloropropene
Concen: 21.27 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion: 75 Resp: 51522
Ion Ratio Lower Upper
75 100
77 31.5 24.5 36.7
39 50.3 40.1 60.1





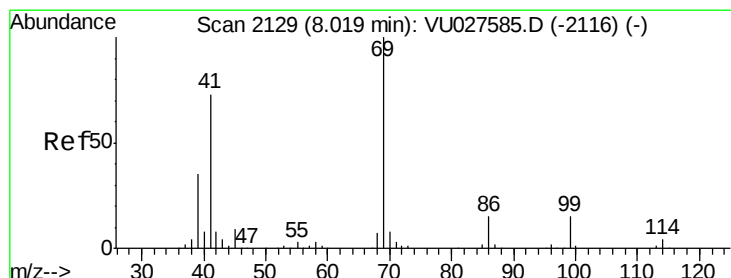
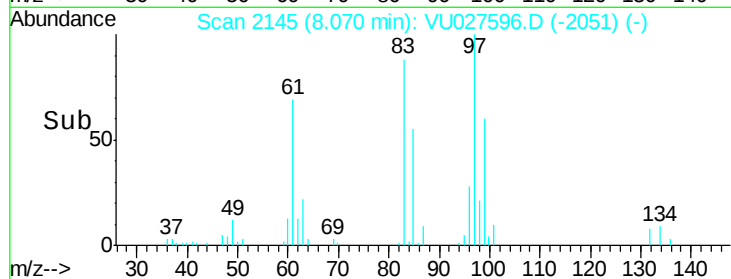
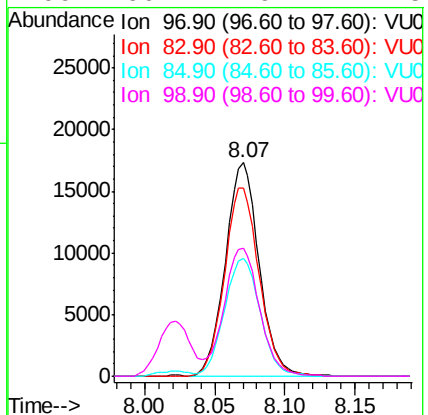
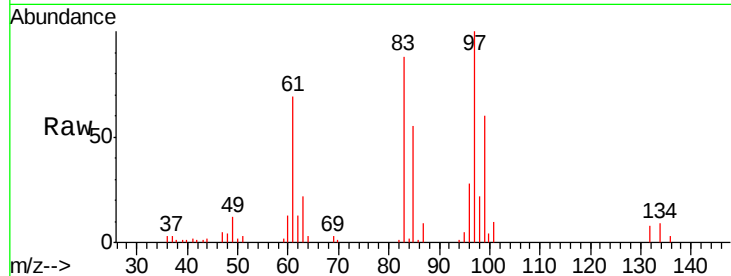
#55
 1,1,2-Trichloroethane
 Concen: 21.20 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.3	73.0	109.6
85	55.2	47.3	70.9
99	60.1	49.7	74.5

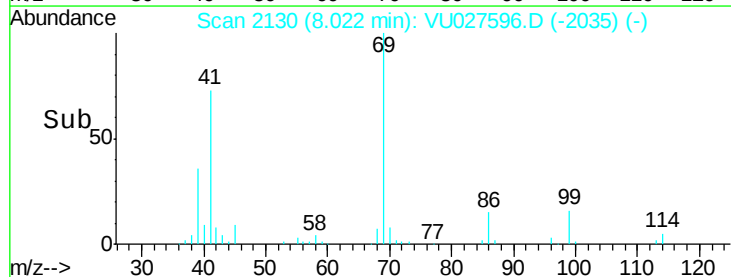
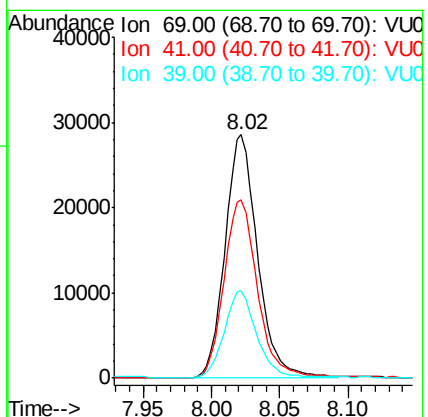
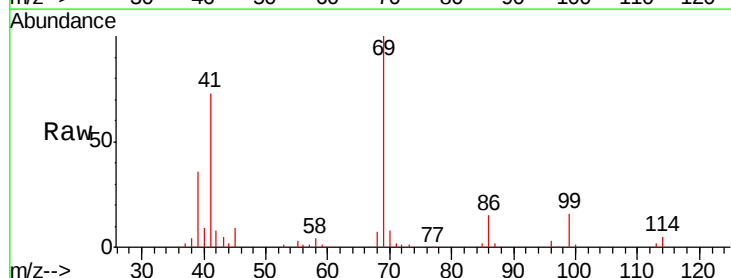
Manual Integrations
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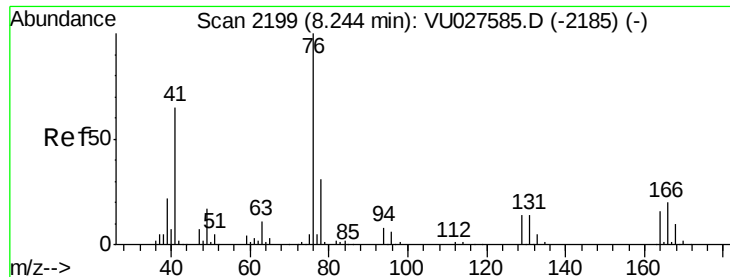
MMDadoda
 10/16/2018 2:23:00 PM



#56
 Ethyl methacrylate
 Concen: 20.12 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.0	90.0
39	36.0	29.5	44.3





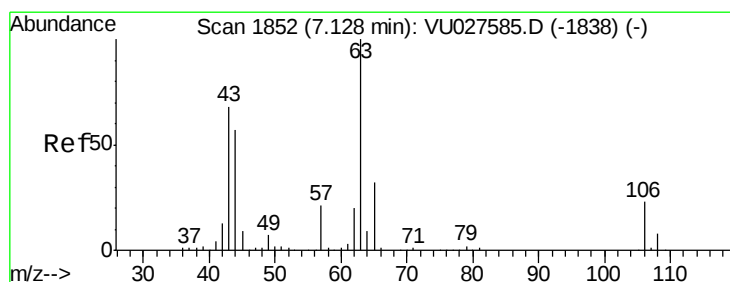
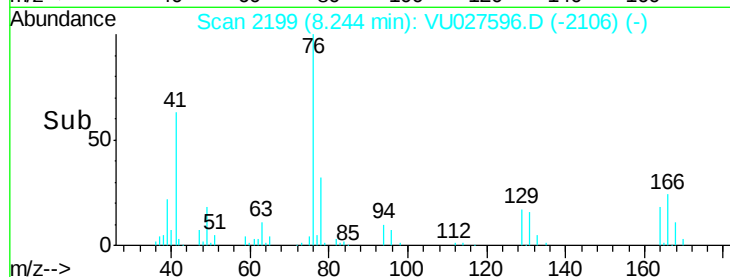
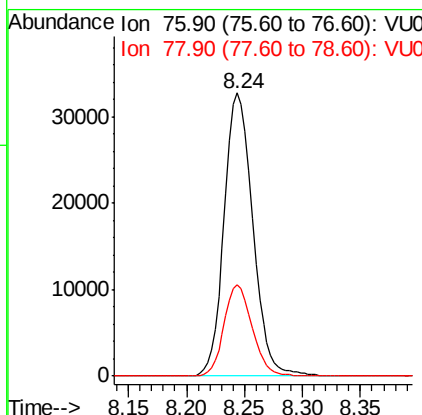
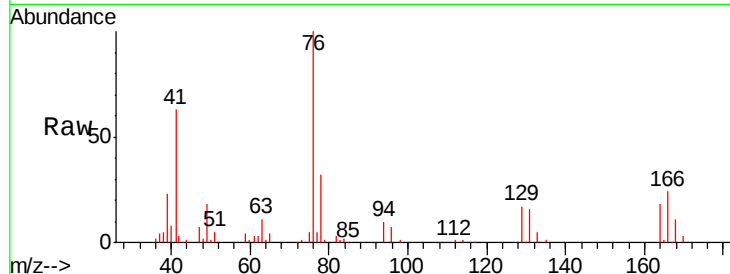
#57
 1,3-Dichloropropane
 Concen: 21.58 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBS01

Tgt Ion: 76 Resp: 56155
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

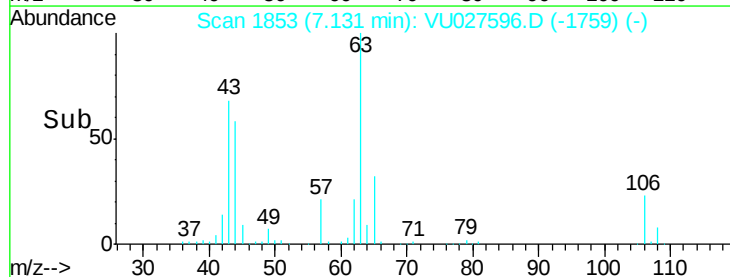
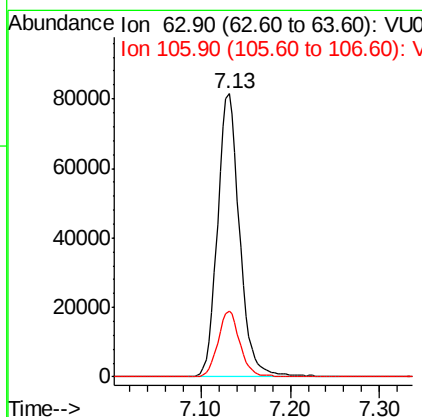
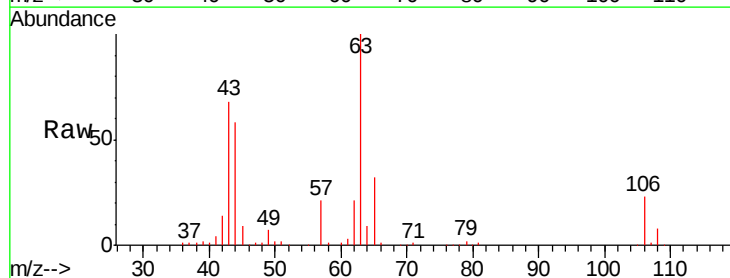
Manual Integrations
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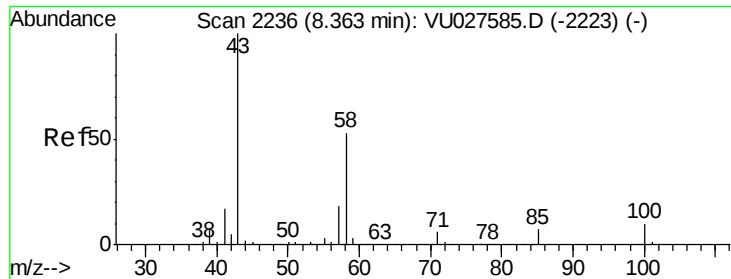
MMDadoda
 10/16/2018 2:23:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.94 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Tgt Ion: 63 Resp: 139970
 Ion Ratio Lower Upper
 63 100
 106 23.0 18.5 27.7





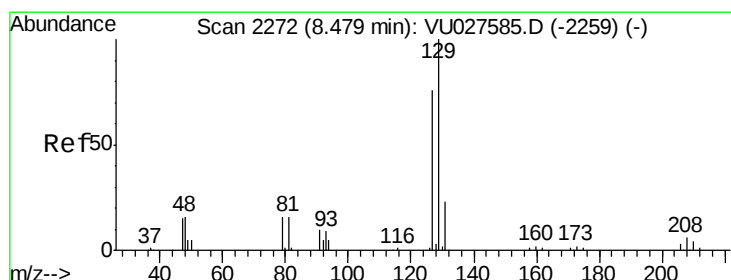
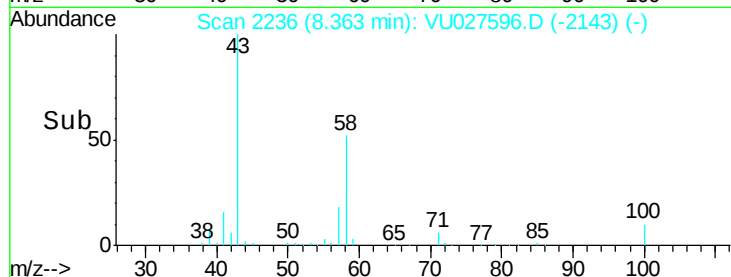
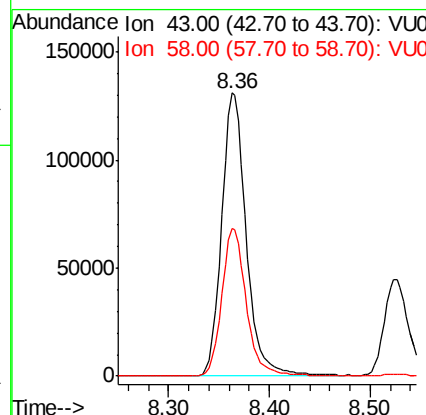
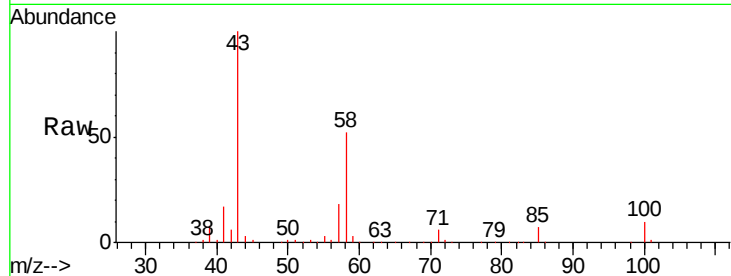
#59
2-Hexanone
Concen: 106.77 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion: 43 Resp: 223072
Ion Ratio Lower Upper
43 100
58 52.2 26.1 78.3

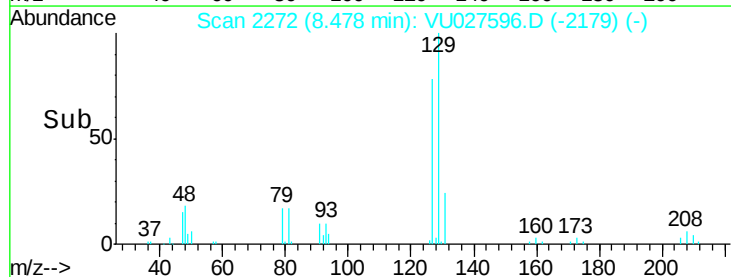
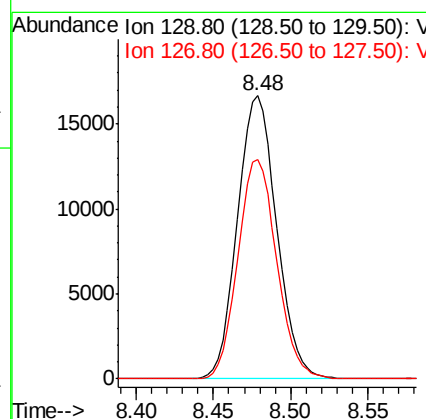
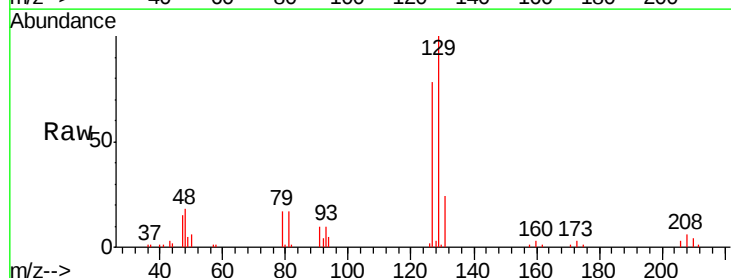
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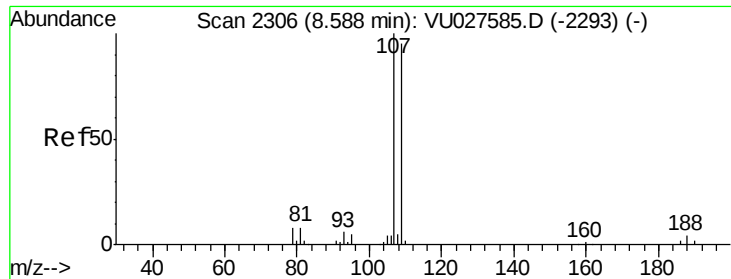
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#60
Dibromochloromethane
Concen: 21.38 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion: 129 Resp: 29267
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





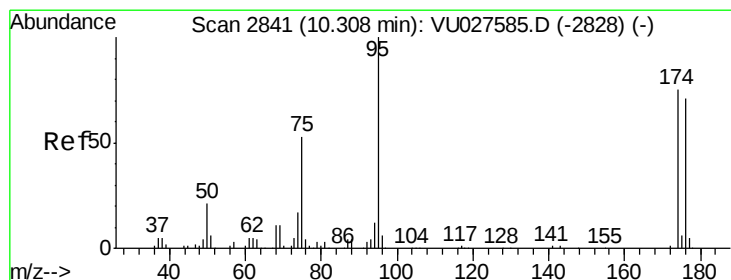
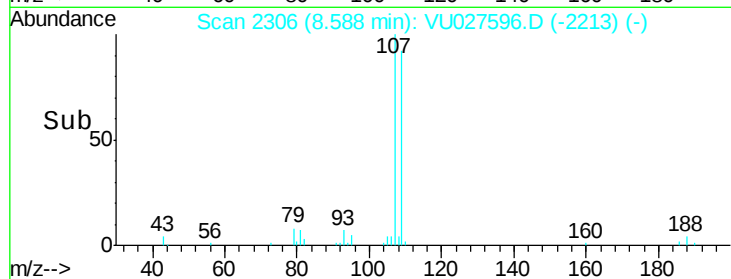
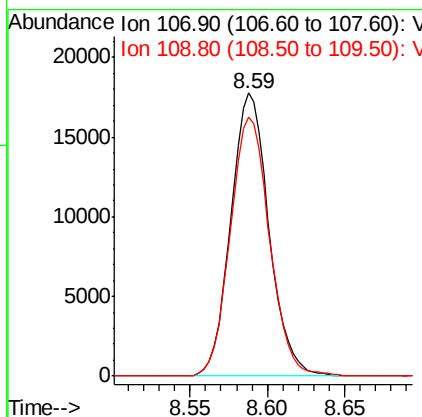
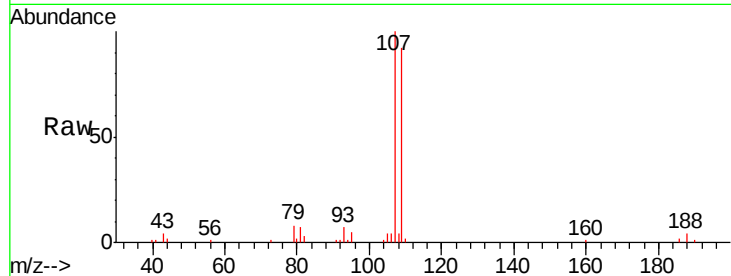
#61
 1,2-Dibromoethane
 Concen: 21.02 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBS01

Tgt Ion: 107 Resp: 30321
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.5 111.7

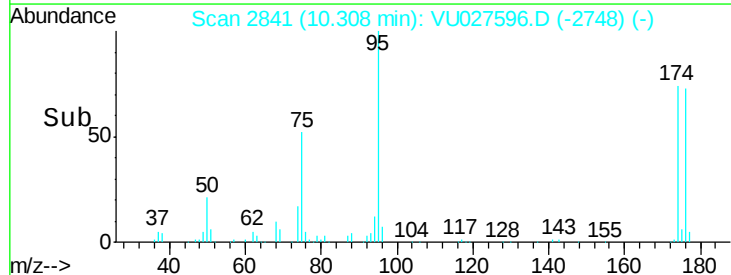
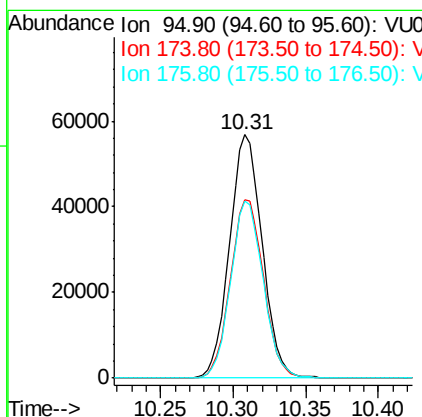
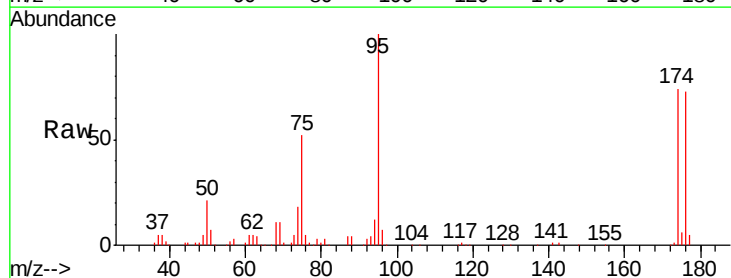
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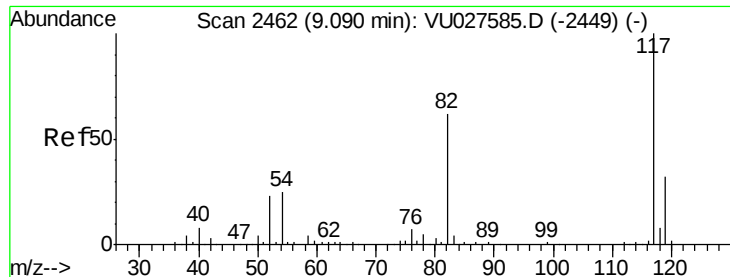
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 51.65 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Tgt Ion: 95 Resp: 88646
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 147.8
 176 72.9 0.0 140.8





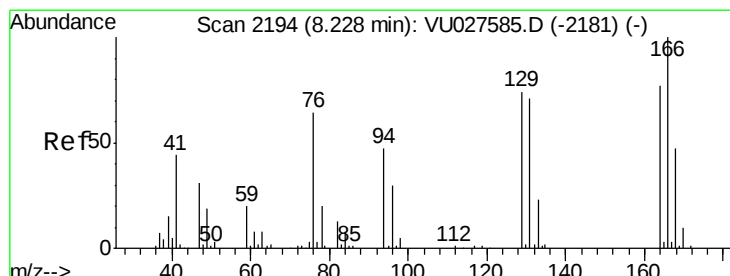
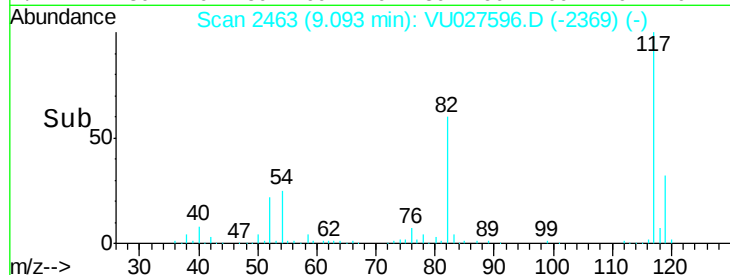
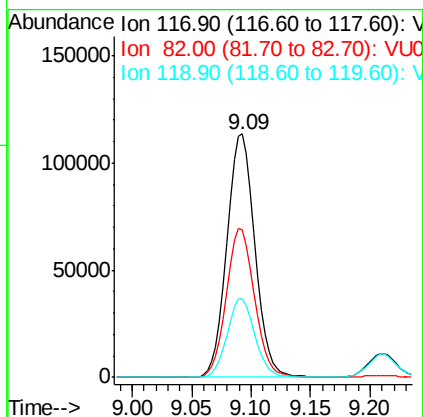
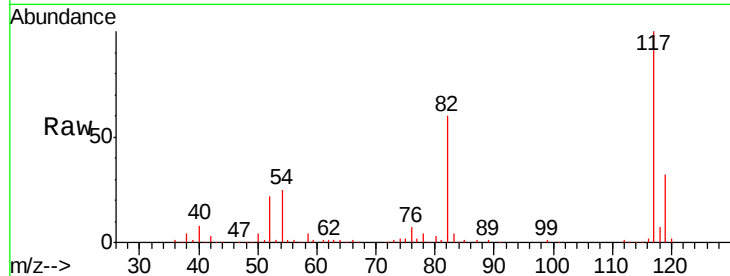
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	186004		
82	60.4	49.2	73.8	
119	32.5	25.7	38.5	

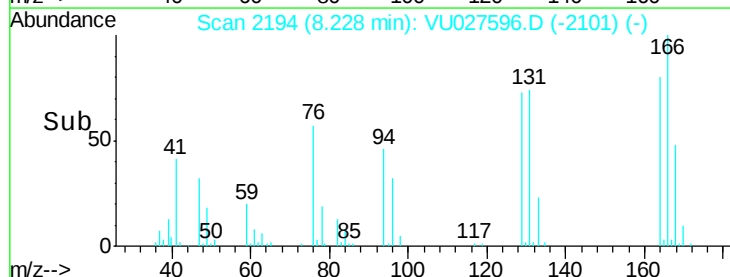
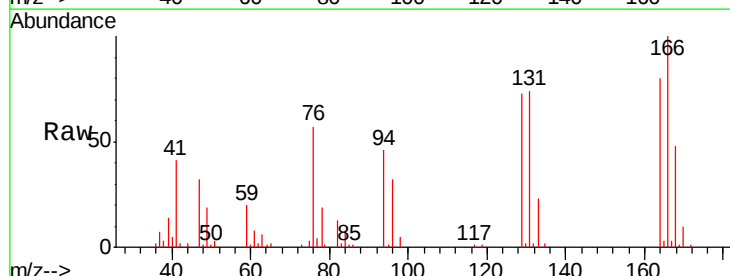
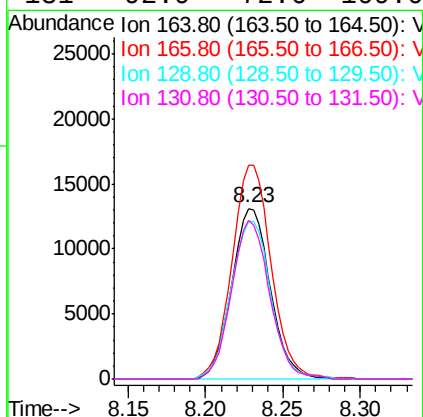
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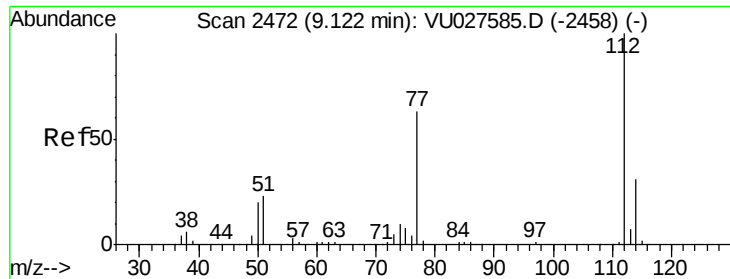
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#64
Tetrachloroethene
Concen: 19.71 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	22768		
166	125.5	101.0	151.6	
129	92.2	78.0	117.0	
131	92.9	72.6	109.0	





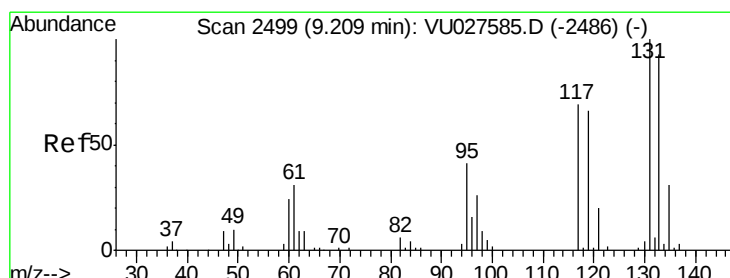
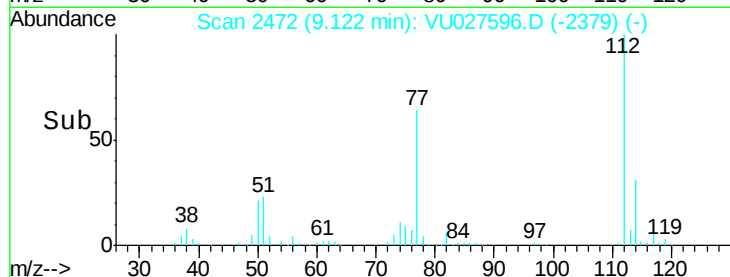
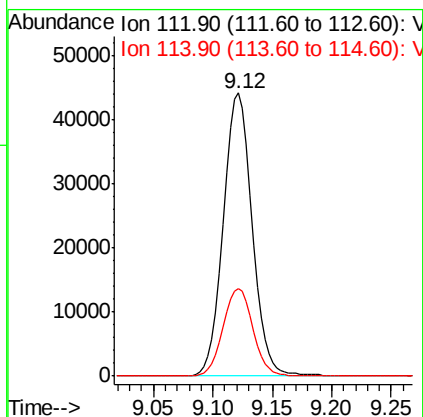
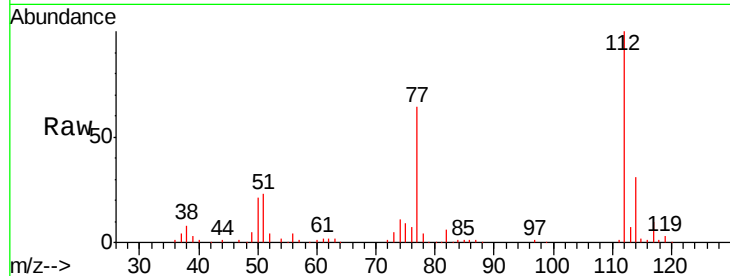
#65
Chlorobenzene
Concen: 19.32 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion:112 Resp: 74537
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6

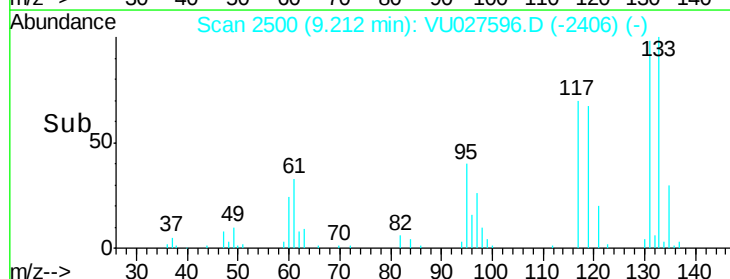
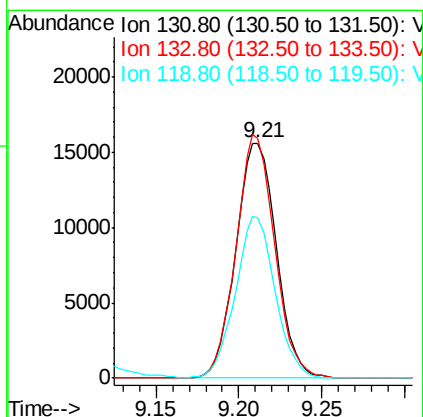
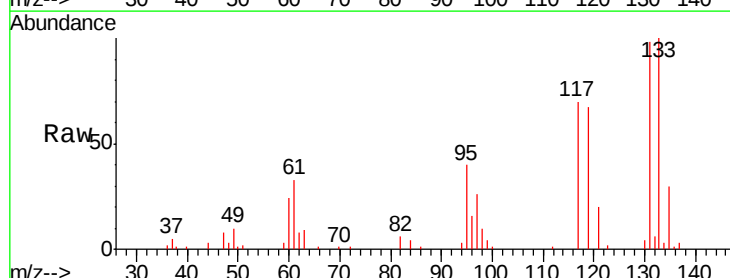
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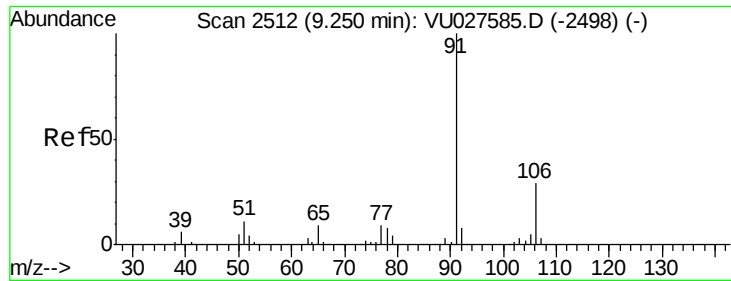
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.09 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion:131 Resp: 26501
Ion Ratio Lower Upper
131 100
133 98.7 48.5 145.6
119 67.5 33.5 100.4





#67

Ethyl Benzene

Concen: 19.70 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion: 91 Resp: 130402

Ion Ratio Lower Upper

91 100

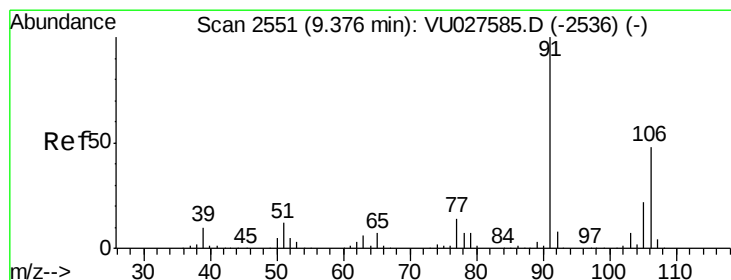
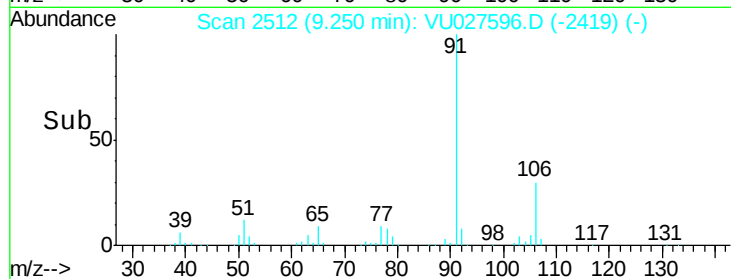
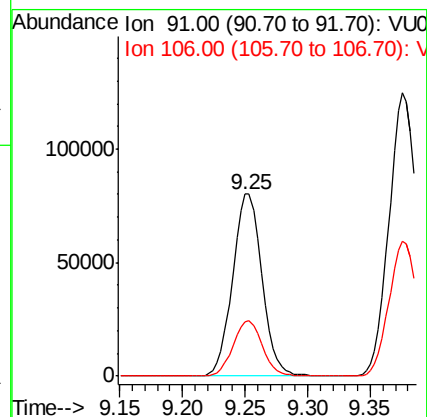
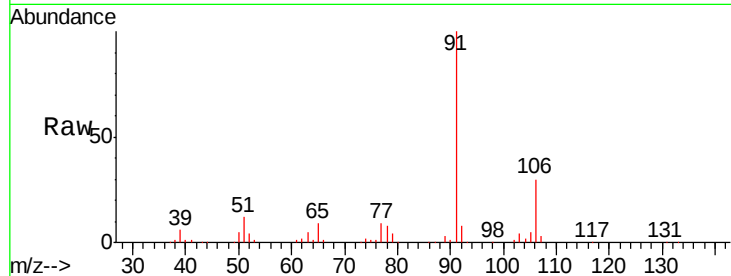
106 29.9 23.6 35.4

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#68

m/p-Xylenes

Concen: 40.76 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027596.D

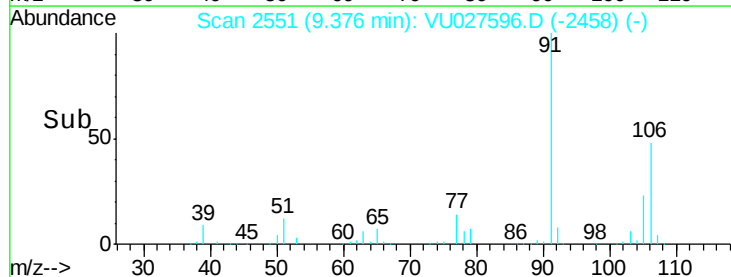
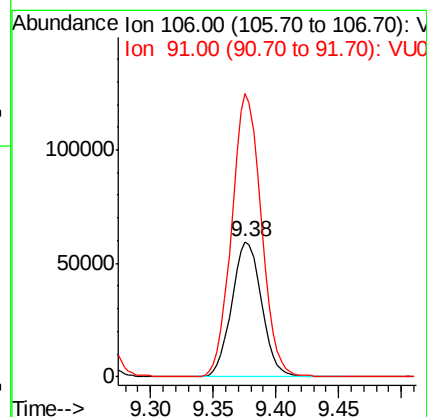
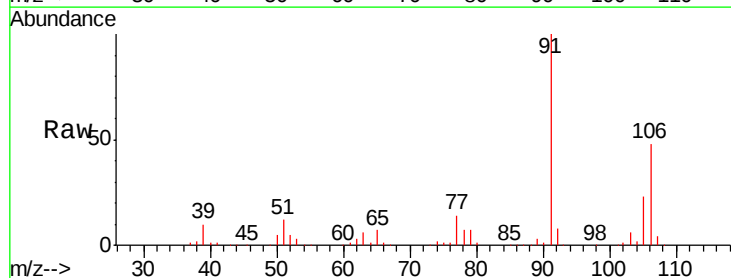
Acq: 11 Oct 2018 14:10

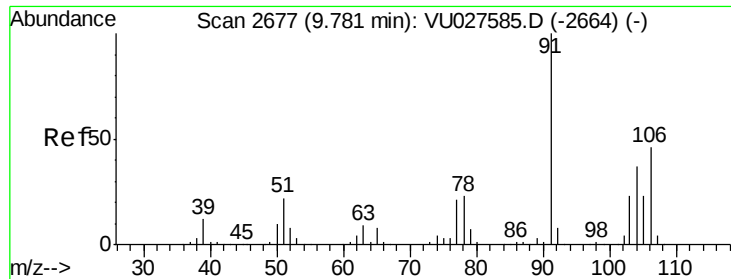
Tgt Ion: 106 Resp: 98497

Ion Ratio Lower Upper

106 100

91 208.5 168.1 252.1





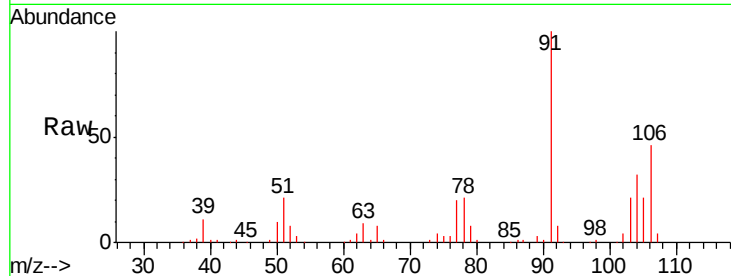
#69
o-Xylene
Concen: 20.32 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

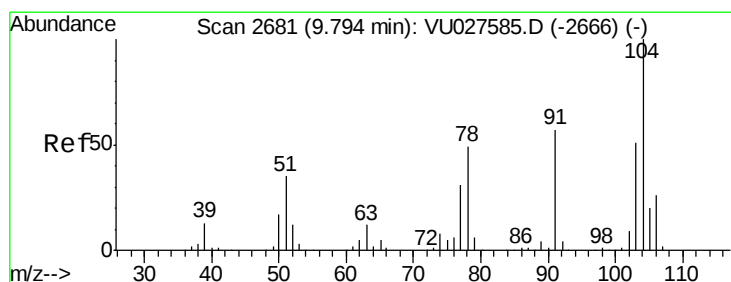
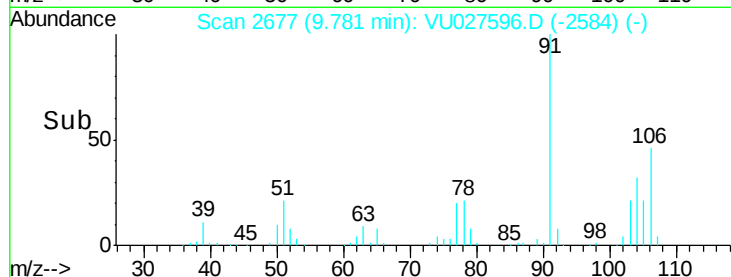
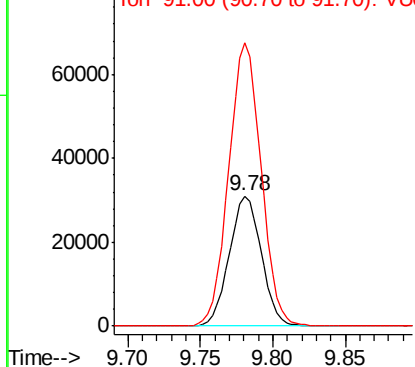
Tgt Ion:106 Resp: 47730
Ion Ratio Lower Upper
106 100
91 220.0 111.7 334.9

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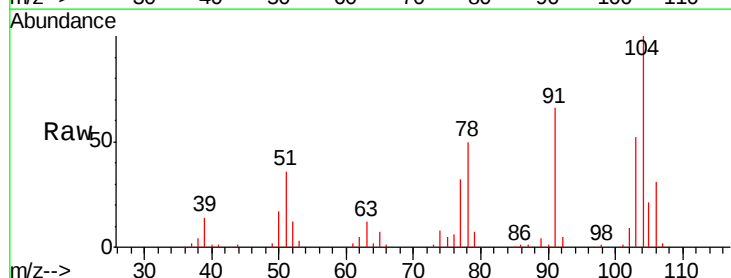


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

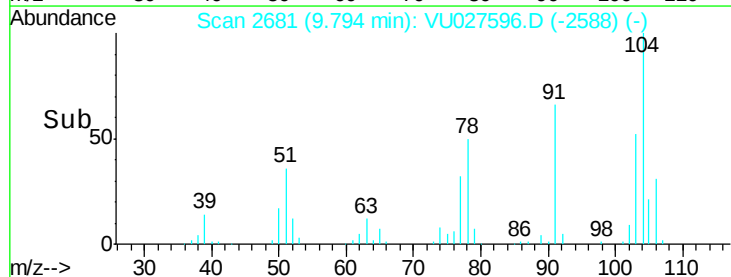
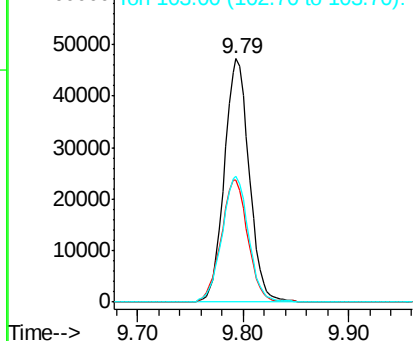


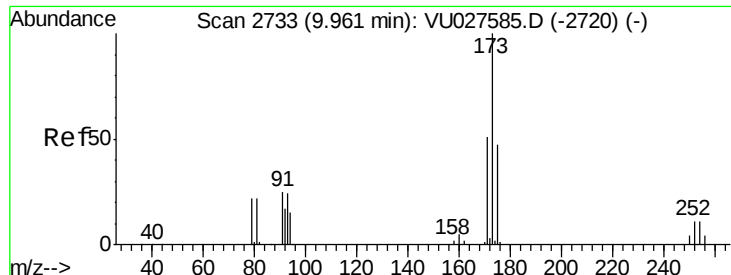
#70
Styrene
Concen: 18.62 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion:104 Resp: 77138
Ion Ratio Lower Upper
104 100
78 53.6 42.9 64.3
103 55.0 43.9 65.9



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: 19.26 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

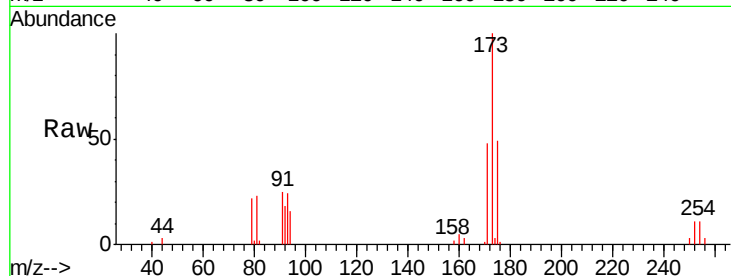
ClientSampleId :

VU1011WBS01

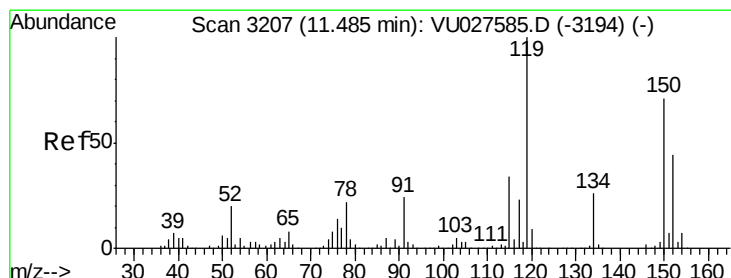
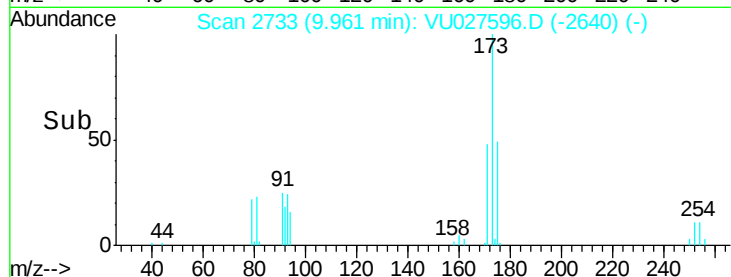
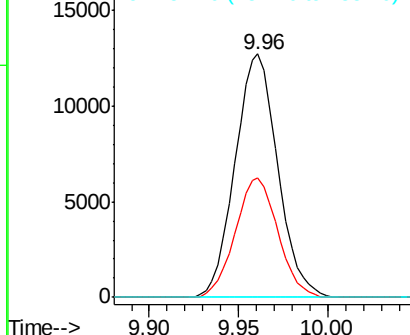
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

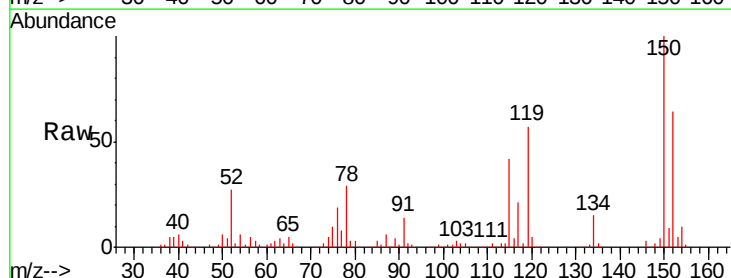
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

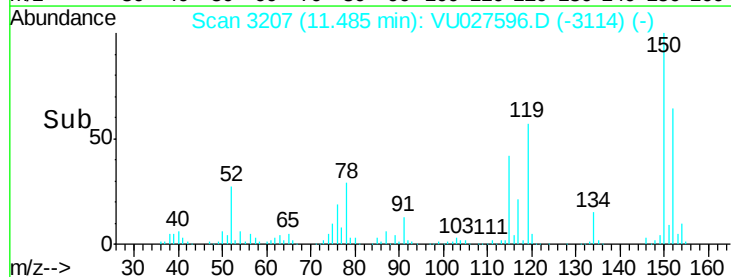
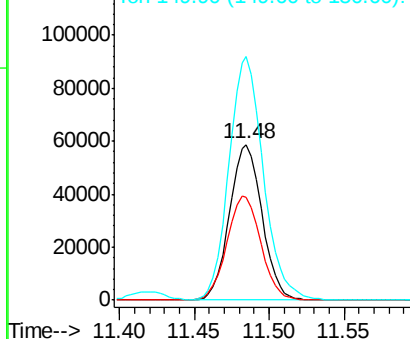
Lab File: VU027596.D

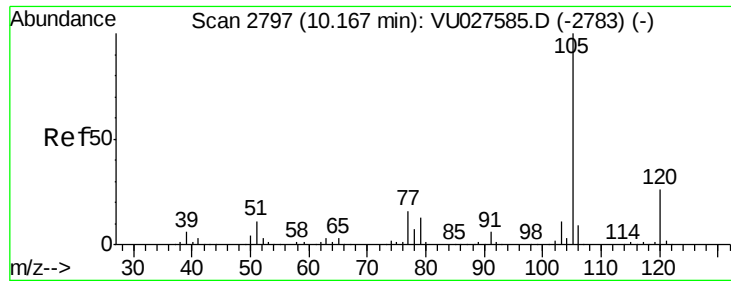
Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.4	43.4	130.2
150	164.8	0.0	349.2



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: 21.49 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion: 105 Resp: 129020

Ion Ratio Lower Upper

105 100

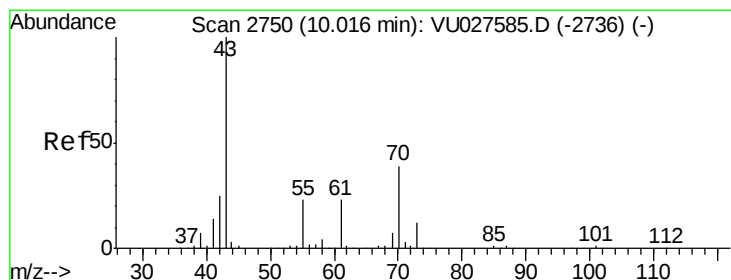
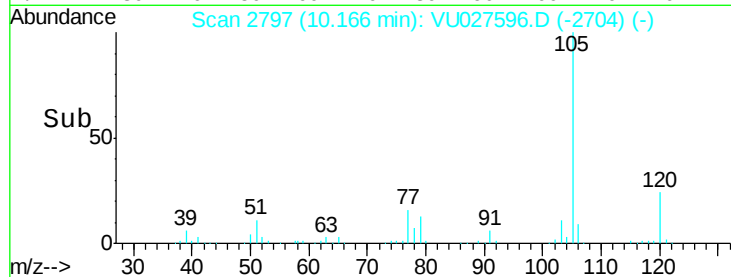
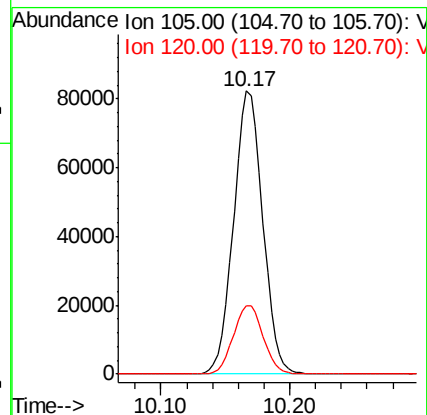
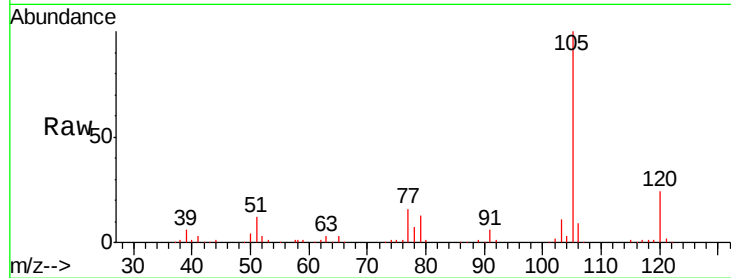
120 24.9 12.6 37.8

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#74

N-ethyl acetate

Concen: 20.78 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Tgt Ion: 43 Resp: 73573

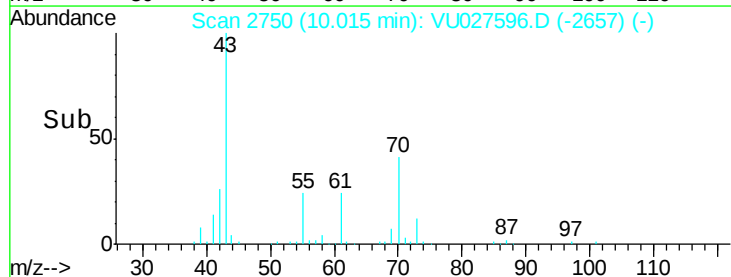
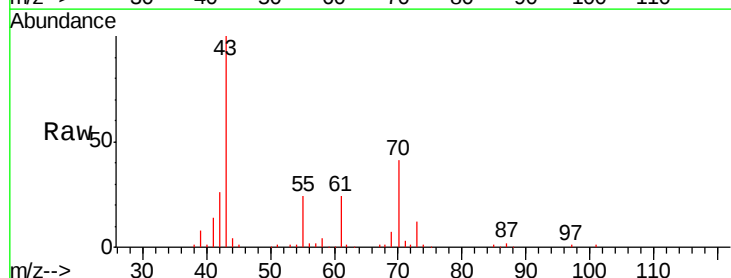
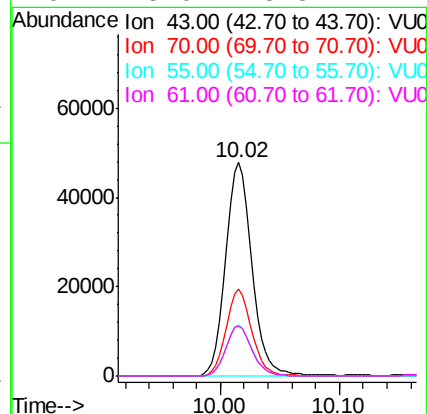
Ion Ratio Lower Upper

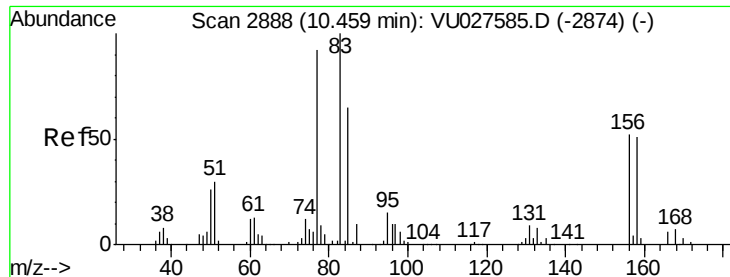
43 100

70 39.4 31.3 46.9

55 23.5 19.0 28.6

61 23.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.61 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion: 83 Resp: 50642

Ion Ratio Lower Upper

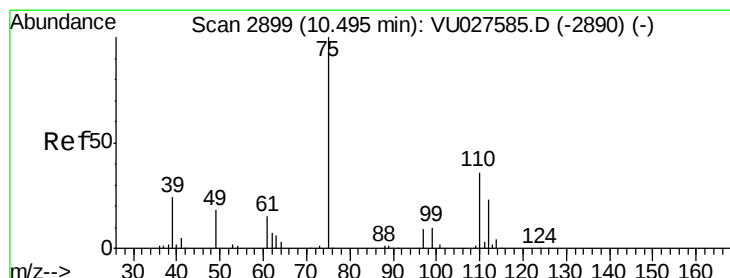
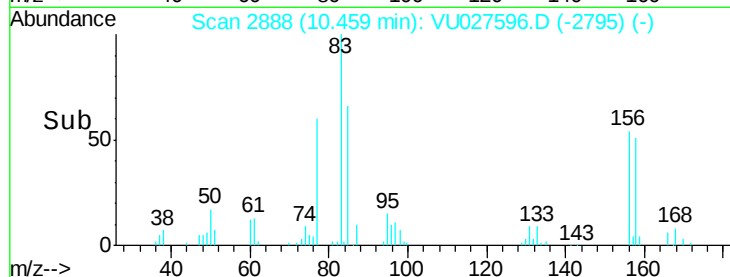
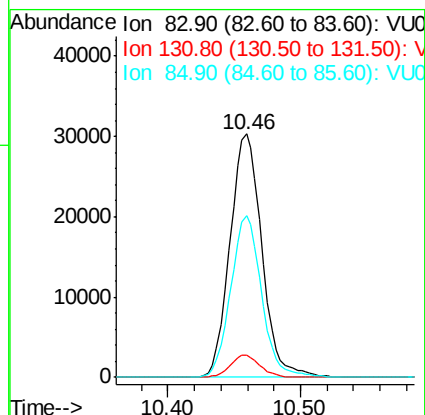
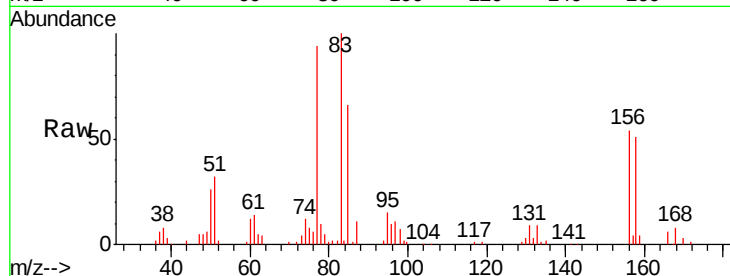
83 100

131 8.3 4.4 13.2

85 64.3 32.0 96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.21 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027596.D

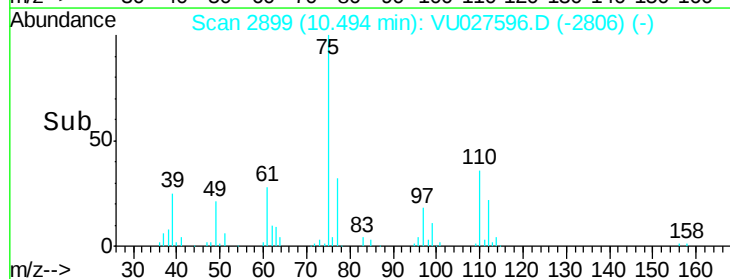
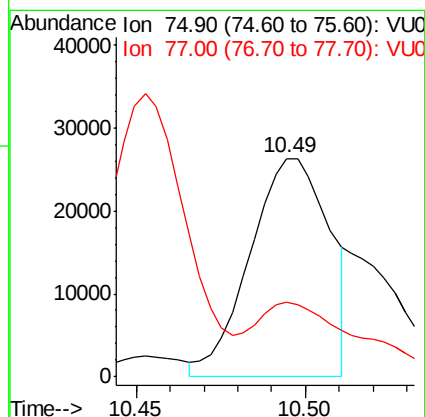
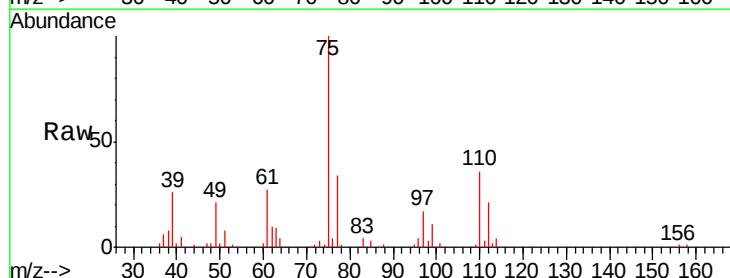
Acq: 11 Oct 2018 14:10

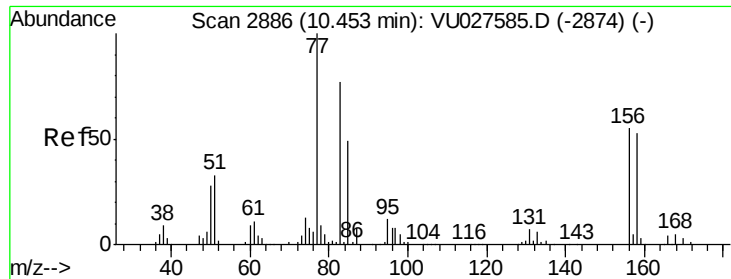
Tgt Ion: 75 Resp: 42744

Ion Ratio Lower Upper

75 100

77 44.2 20.3 60.9





#77

Bromobenzene

Concen: 20.39 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

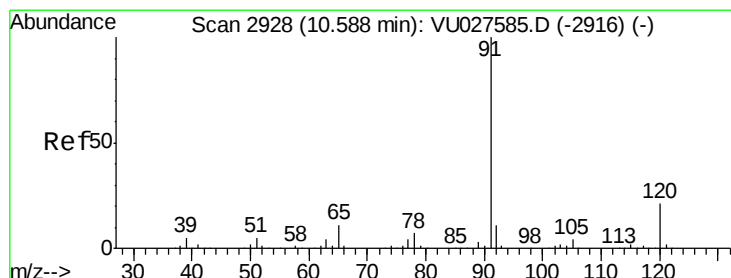
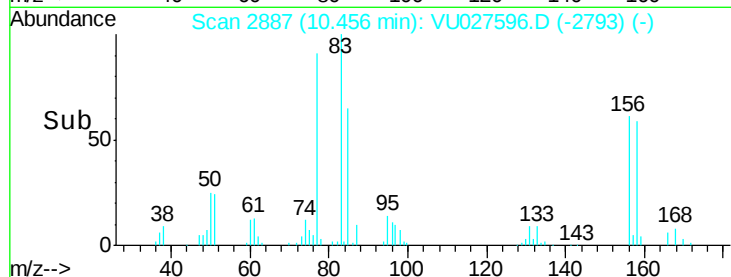
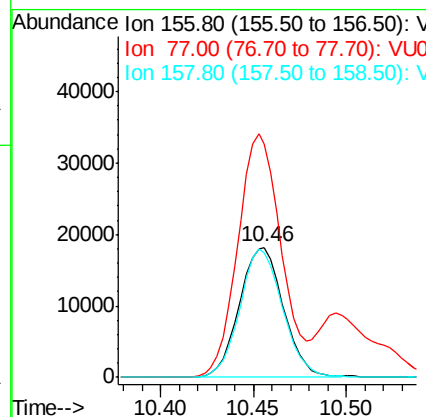
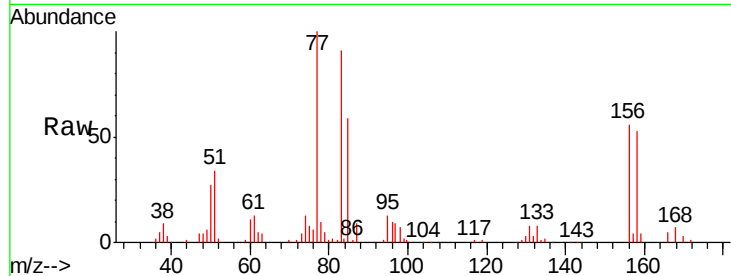
VU1011WBS01

Tgt Ion: 156 Resp: 29984

Ion	Ratio	Lower	Upper
156	100		
77	183.7	94.8	284.4
158	96.4	47.4	142.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.50 ug/l

RT: 10.59 min Scan# 2928

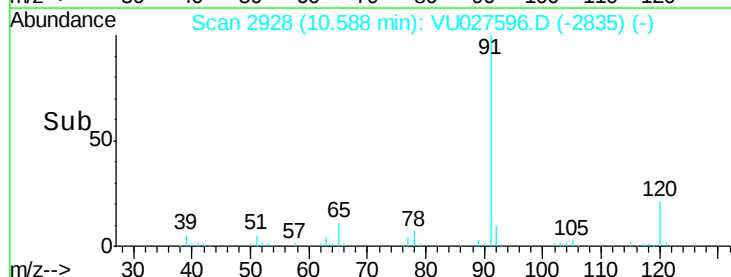
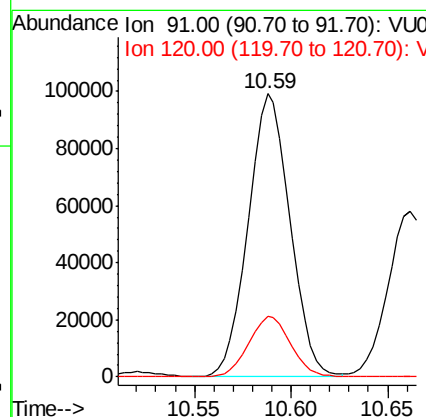
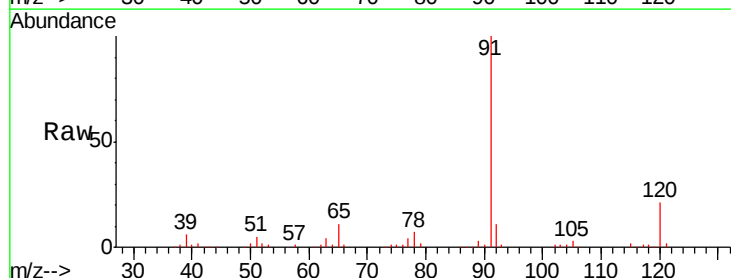
Delta R.T. -0.00 min

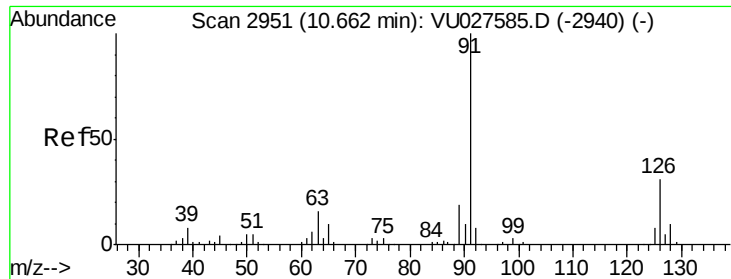
Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Tgt Ion: 91 Resp: 149372

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.6	31.8





#79

2-Chlorotoluene

Concen: 20.45 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

ClientSampleId :

VU1011WBS01

Tgt Ion: 91 Resp: 91445

Ion Ratio Lower Upper

91 100

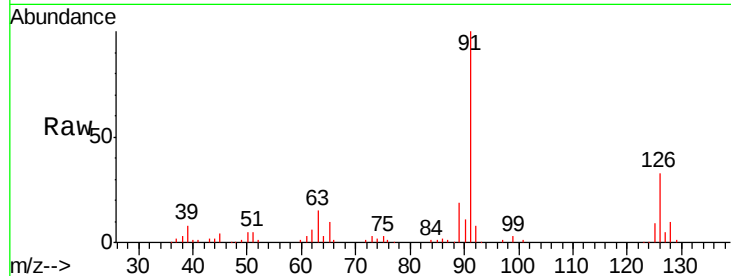
126 31.6 15.7 47.1

Manual Integrations

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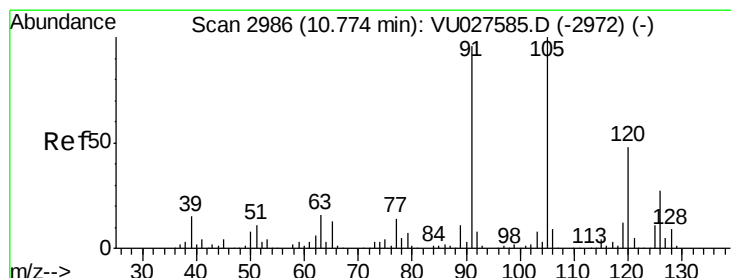
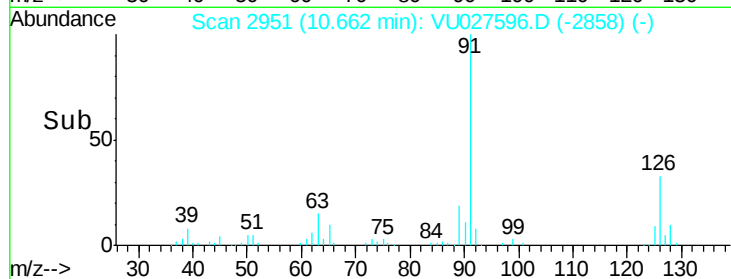
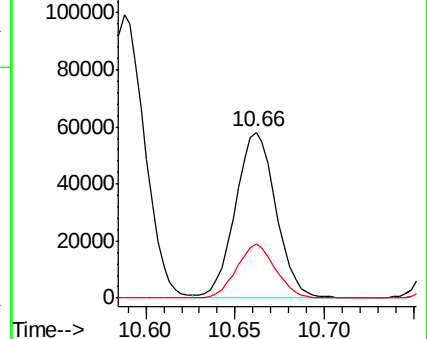
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU027585.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027585.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.96 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027596.D

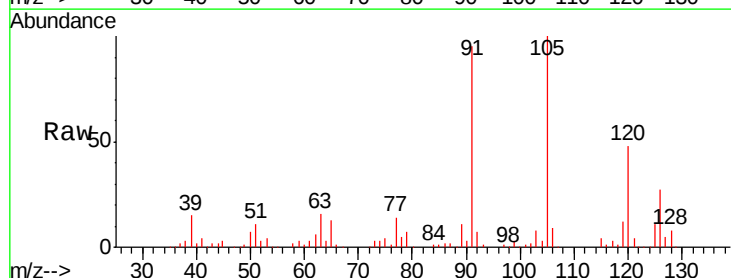
Acq: 11 Oct 2018 14:10

Tgt Ion: 105 Resp: 106724

Ion Ratio Lower Upper

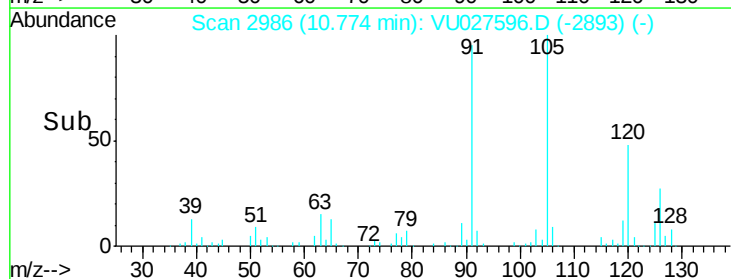
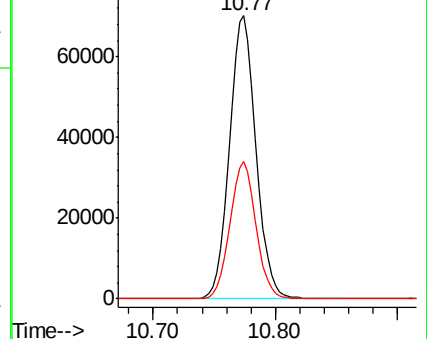
105 100

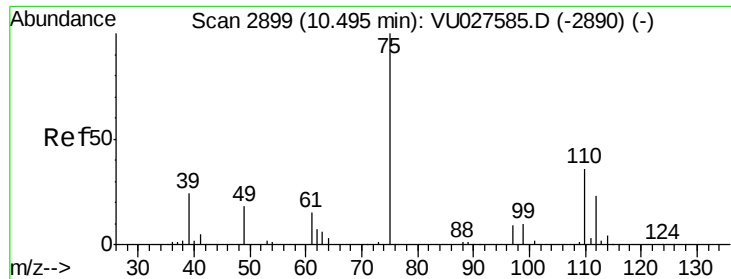
120 47.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027585.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027585.D (-2972) (-)





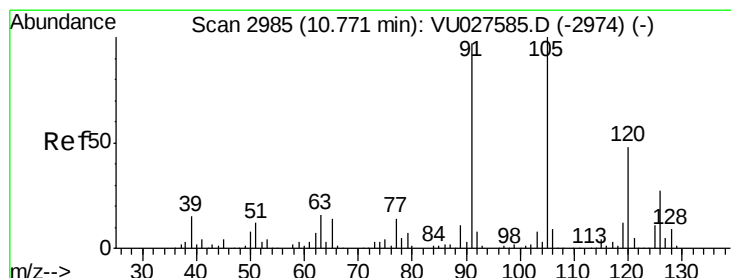
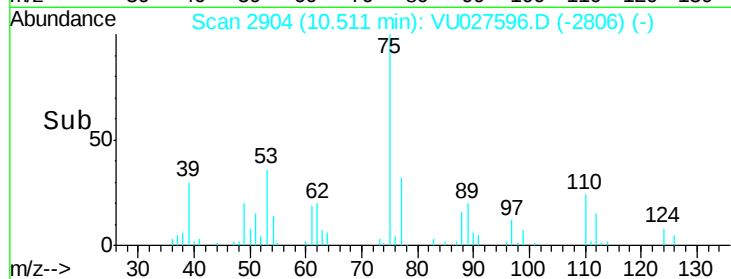
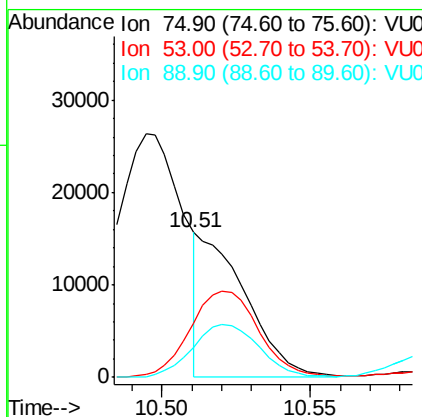
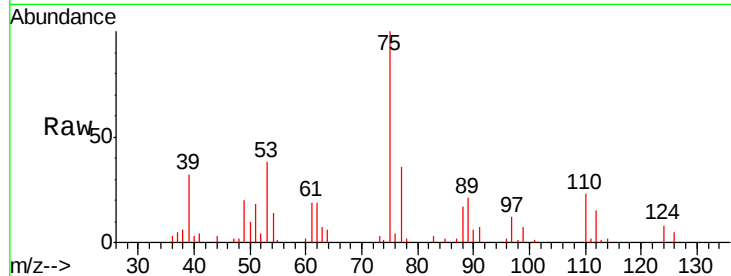
#81
trans-1,4-Dichloro-2-butene
Concen: 17.76 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

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

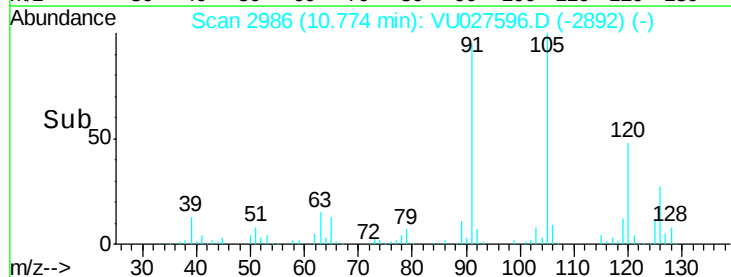
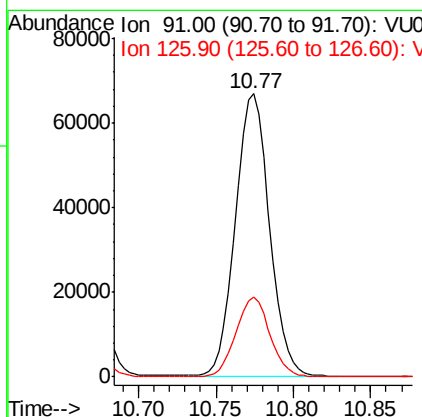
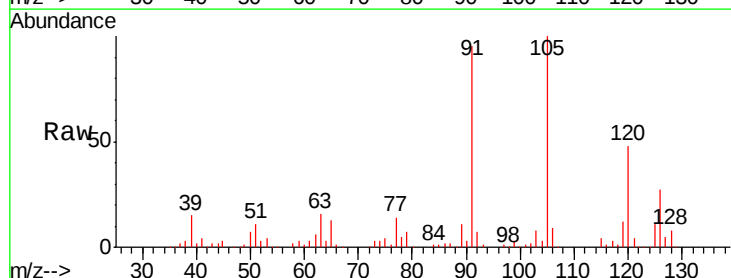
Manual Integrations
APPROVED

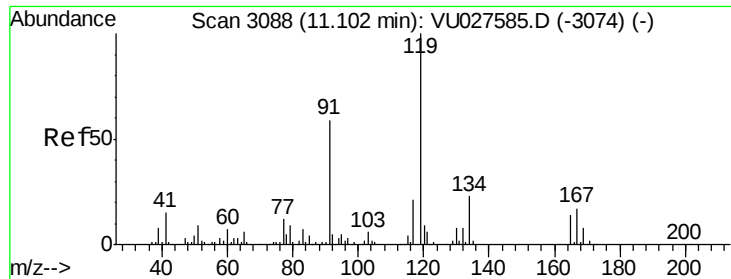
MMDadoda
10/16/2018 2:23:00 PM



#82
4-Chlorotoluene
Concen: 20.44 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	13.6	40.8





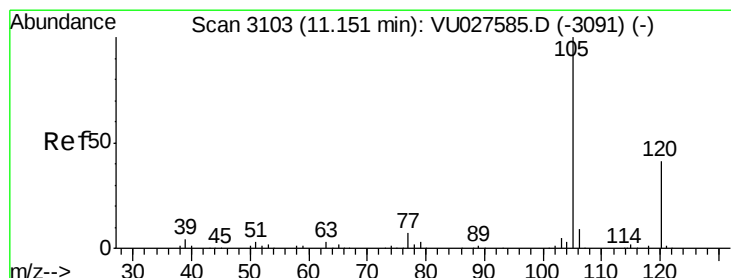
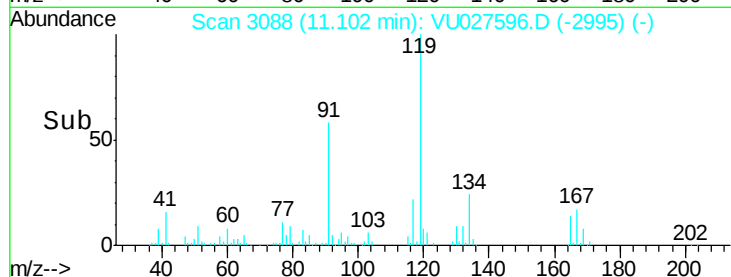
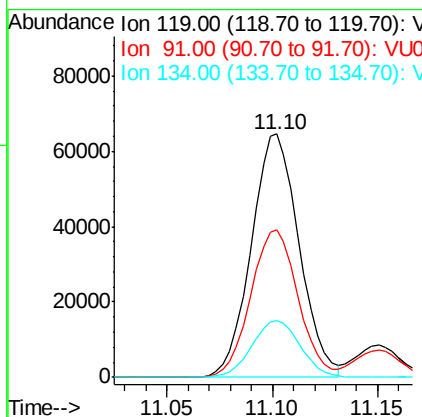
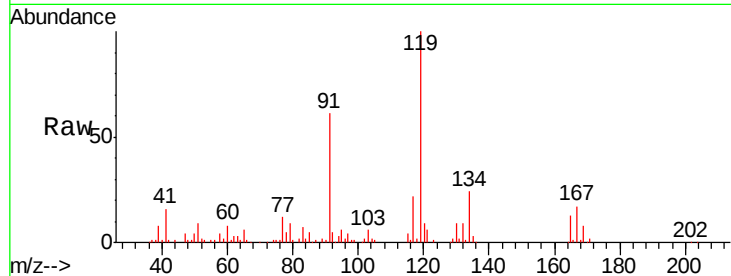
#83
tert-Butylbenzene
Concen: 20.75 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.3	91.0
134	23.4	11.5	34.4

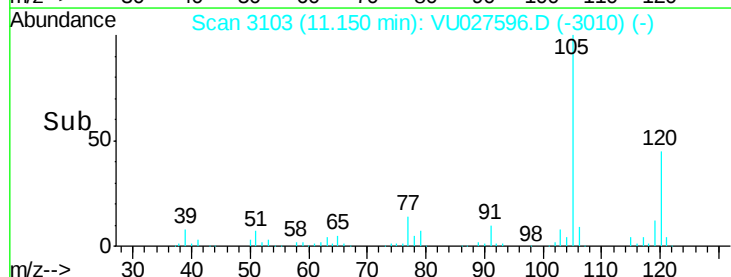
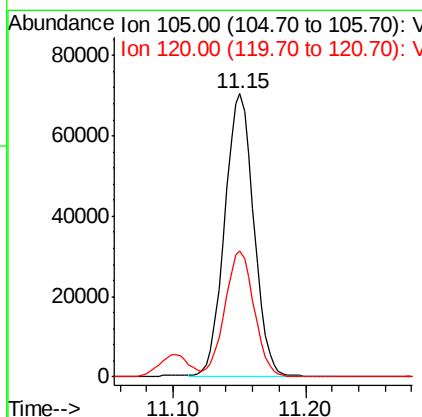
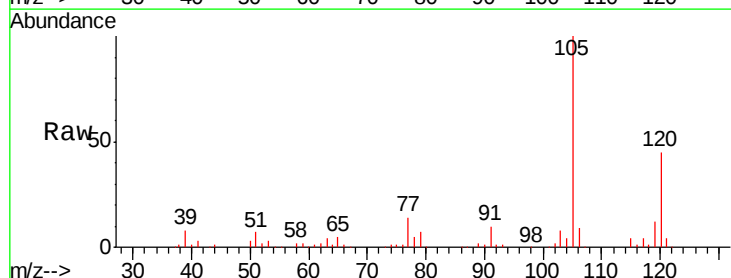
Manual Integrations
APPROVED

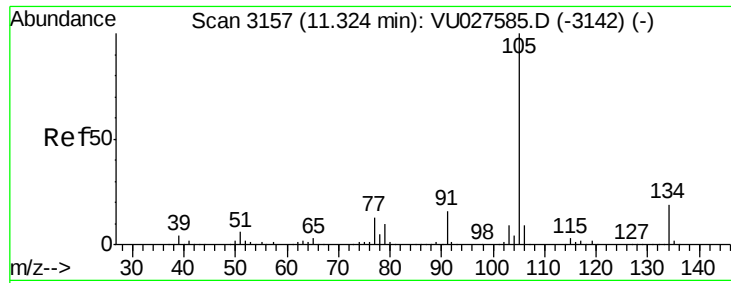
MMDadoda
10/16/2018 2:23:00 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.68 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.5





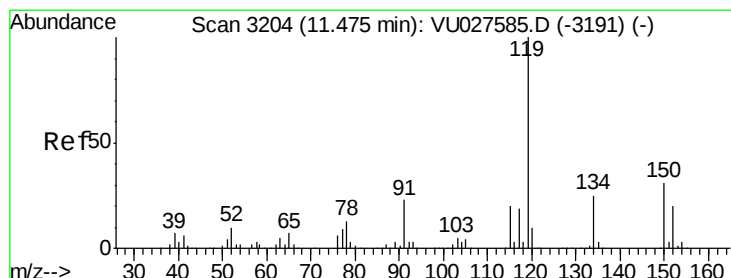
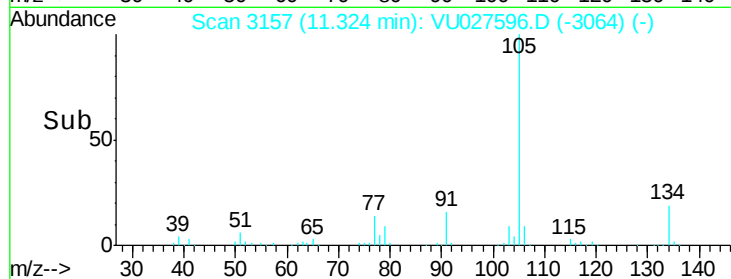
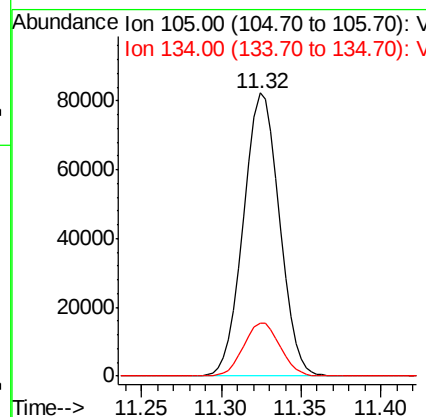
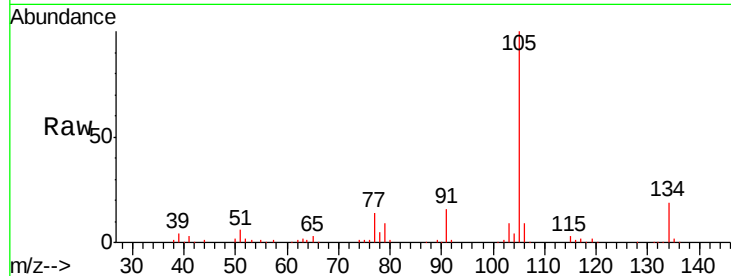
#85
 sec-Butylbenzene
 Concen: 19.67 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	126150		
134	19.1	9.6	28.6	

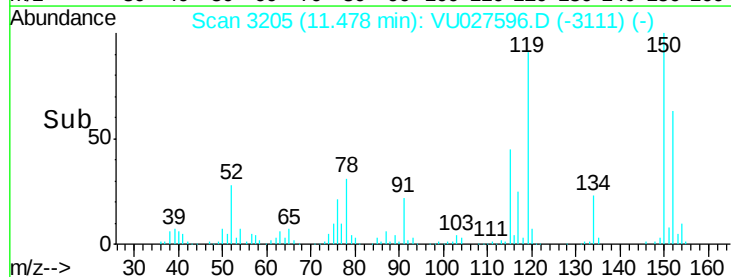
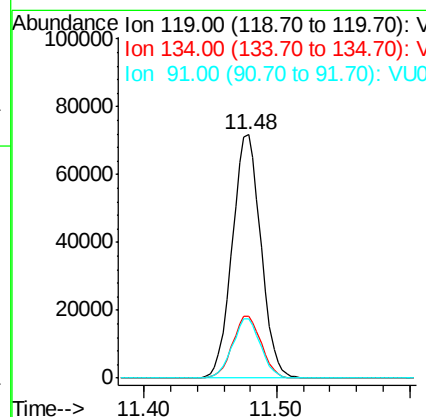
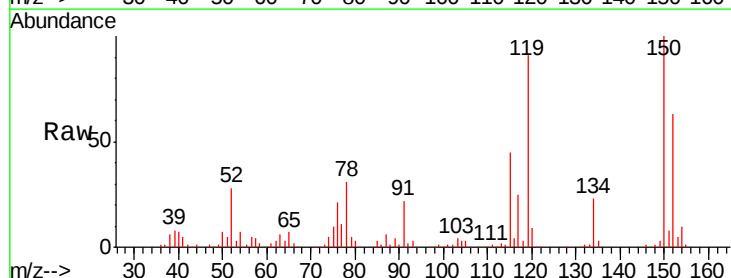
Manual Integrations
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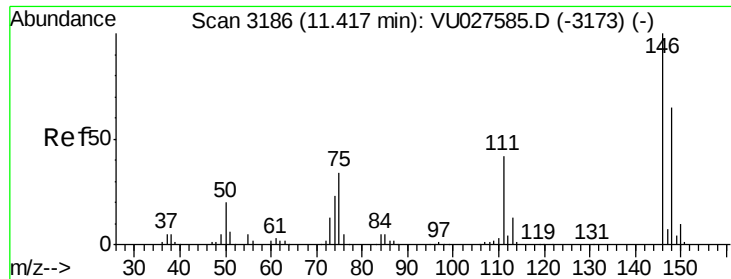
MMDadoda
 10/16/2018 2:23:00 PM



#86
 p-Isopropyltoluene
 Concen: 19.41 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	107540		
134	25.4	12.7	38.1	
91	24.2	12.2	36.4	





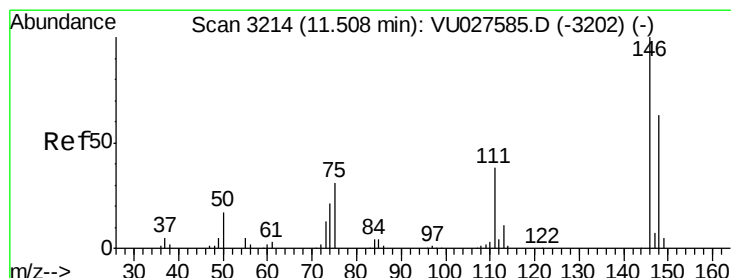
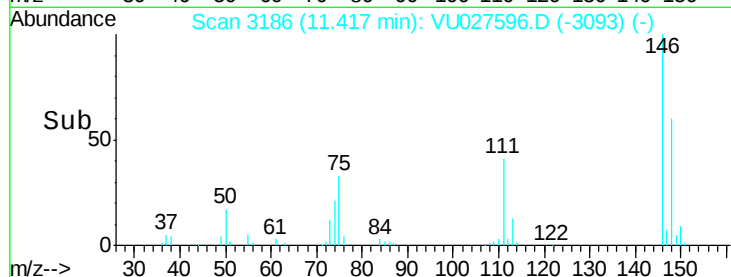
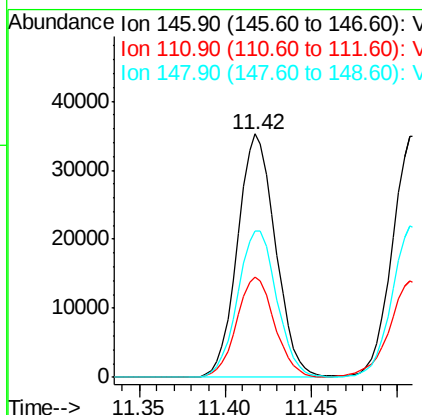
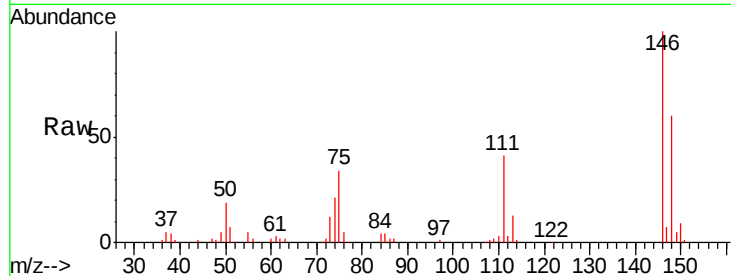
#87
 1,3-Dichlorobenzene
 Concen: 19.88 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.5
148	62.2	31.6	94.8

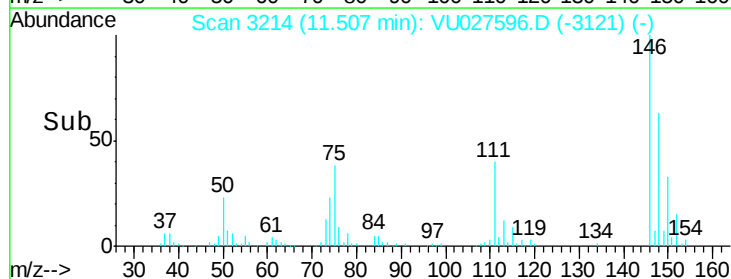
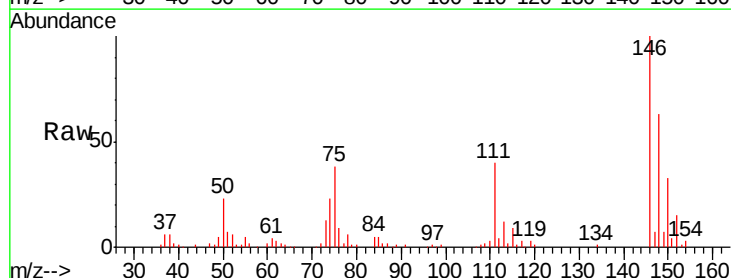
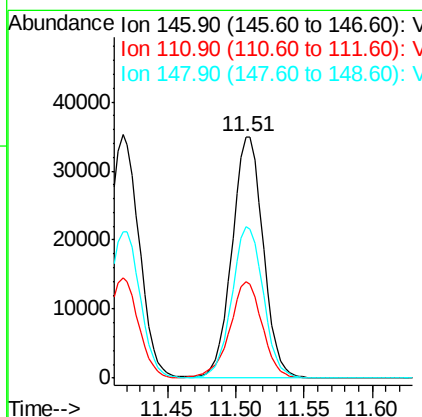
Manual Integrations
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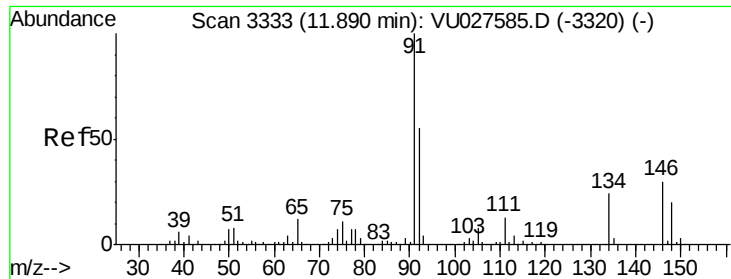
MMDadoda
 10/16/2018 2:23:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.22 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.2
148	63.3	31.9	95.5





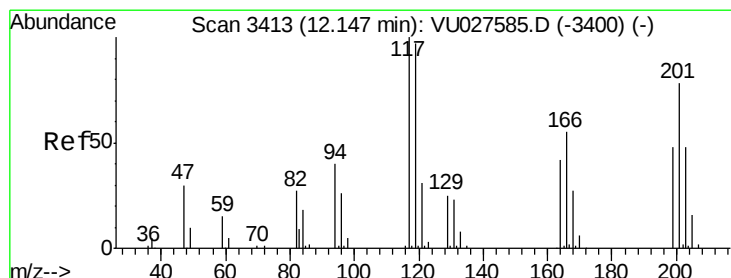
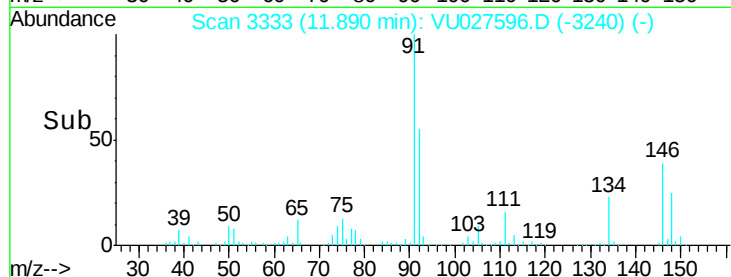
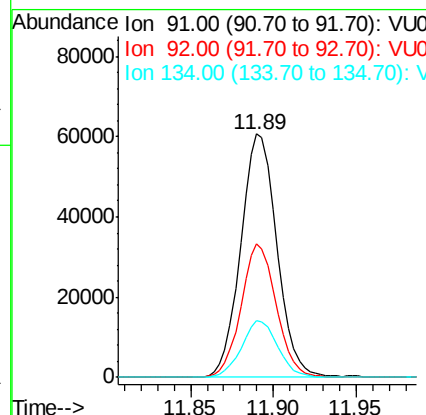
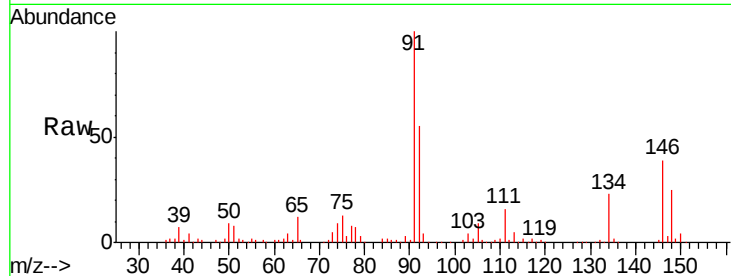
#89
n-Butylbenzene
Concen: 18.18 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion: 91 Resp: 92122
Ion Ratio Lower Upper
91 100
92 53.3 27.0 81.0
134 23.1 11.7 35.1

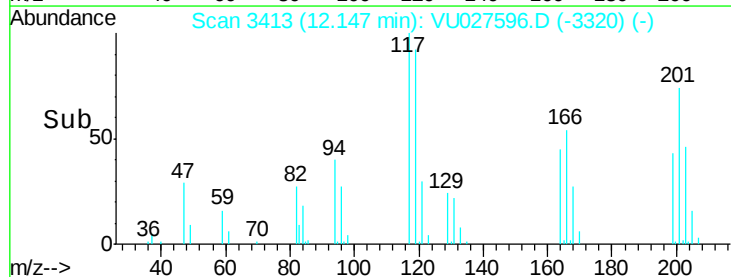
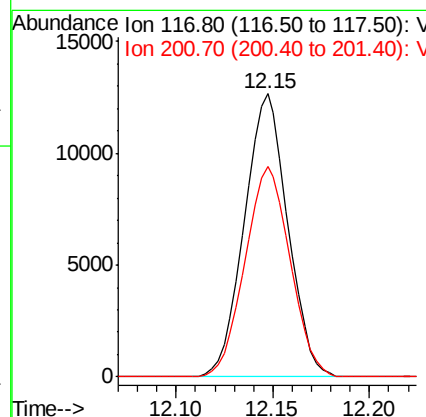
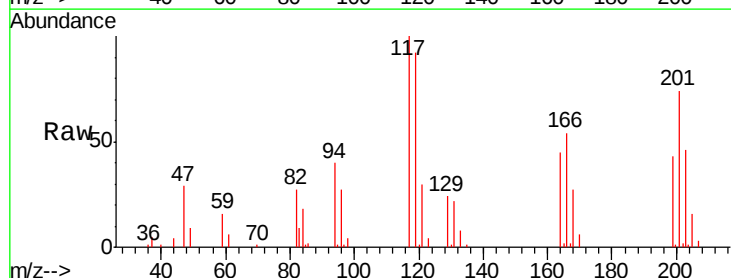
Manual Integrations
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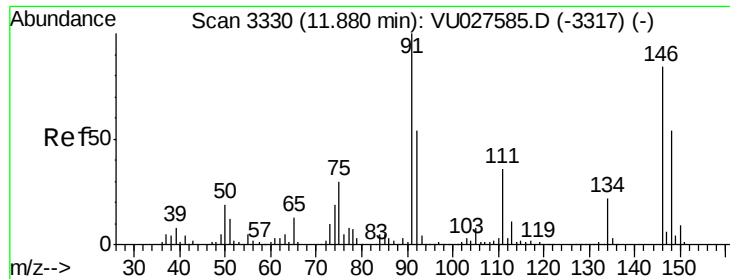
MMDadoda
10/16/2018 2:23:00 PM



#90
Hexachloroethane
Concen: 19.89 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion: 117 Resp: 19743
Ion Ratio Lower Upper
117 100
201 77.4 37.9 113.6





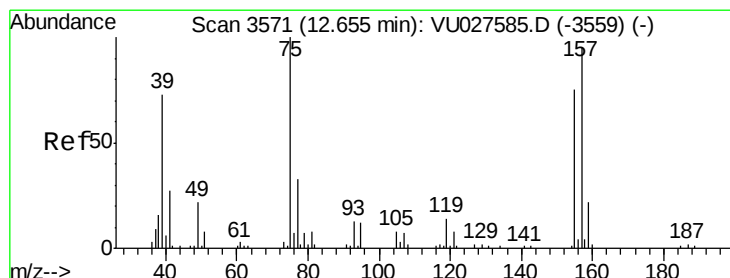
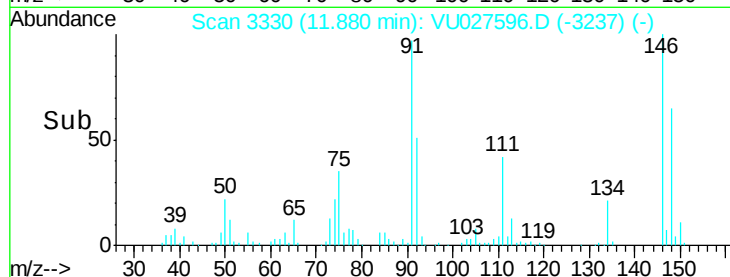
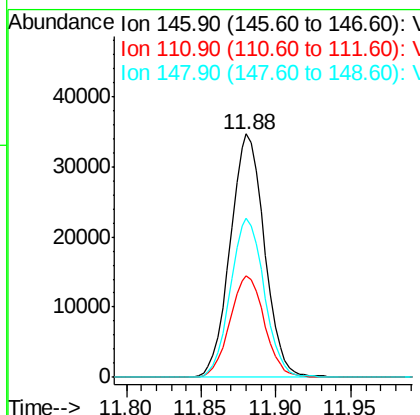
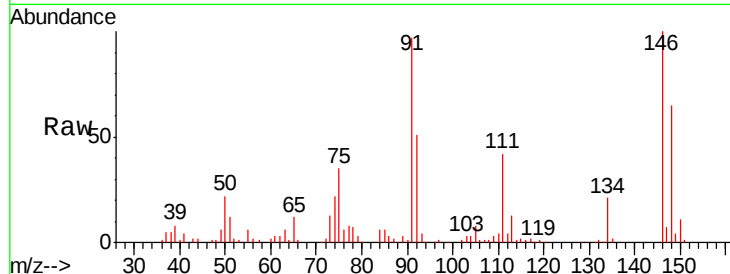
#91
1,2-Dichlorobenzene
Concen: 20.07 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. -0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Instrument :
MSVOA_U
ClientSampleId :
VU1011WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.8	65.4
148	64.6	31.9	95.5

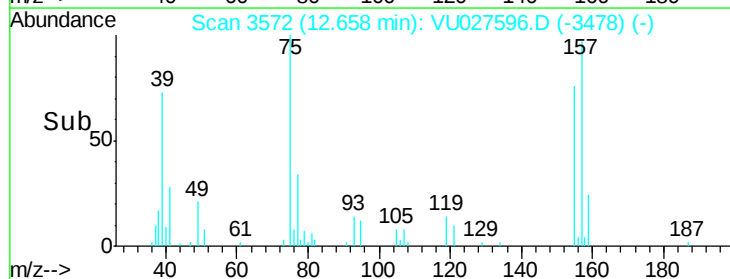
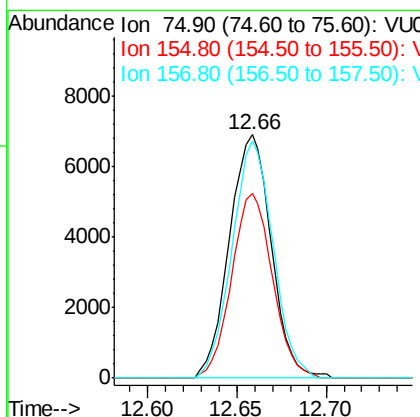
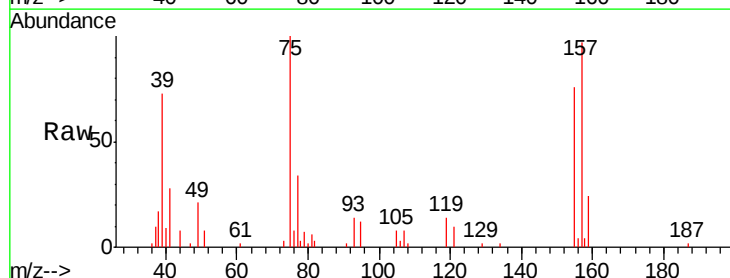
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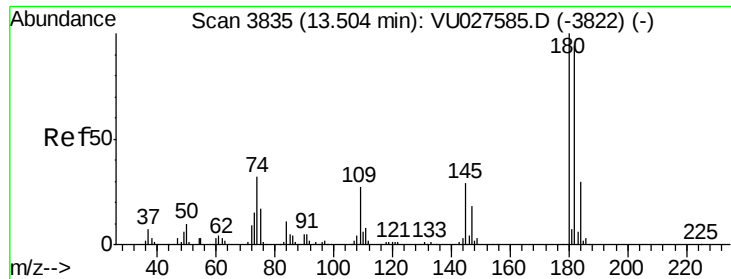
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 19.92 ug/l
RT: 12.66 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VU027596.D
Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	35.9	107.8
157	95.4	46.9	140.6





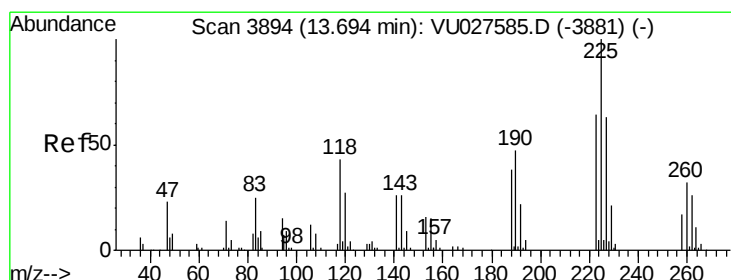
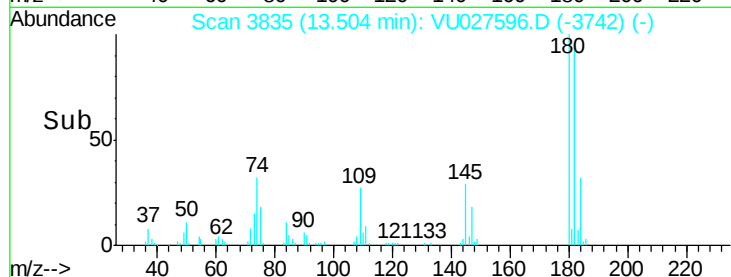
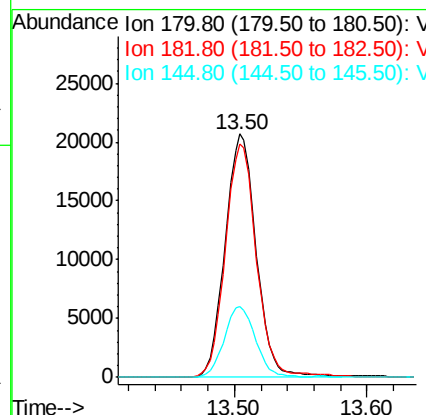
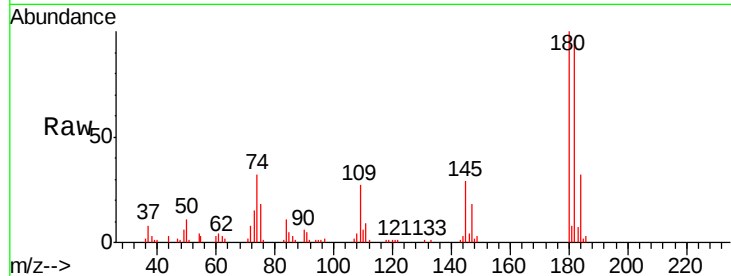
#93
 1,2,4-Trichlorobenzene
 Concen: 18.69 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.3
145	29.2	14.6	44.0

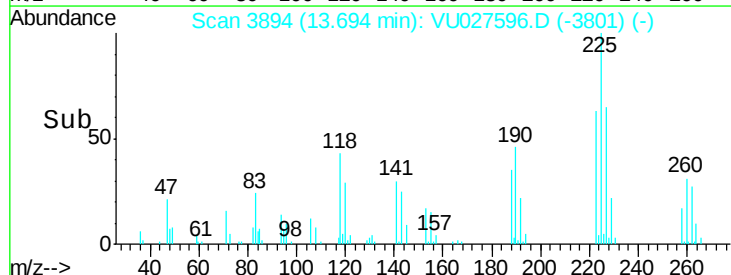
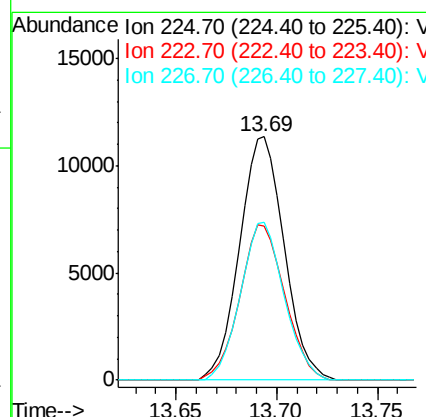
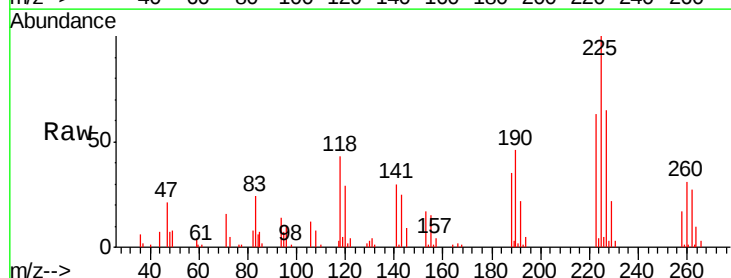
Manual Integrations
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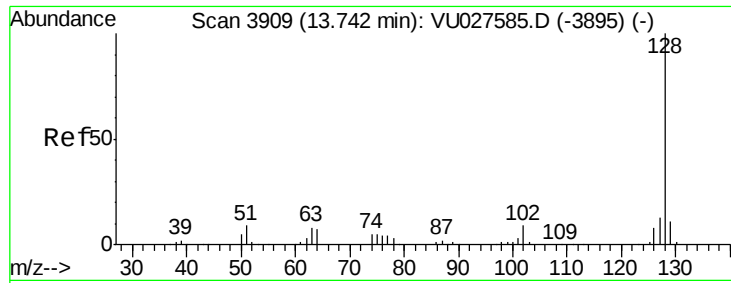
MMDadoda
 10/16/2018 2:23:00 PM



#94
 Hexachlorobutadiene
 Concen: 19.93 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027596.D
 Acq: 11 Oct 2018 14:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.8	95.3
227	63.3	31.9	95.7





#95

Naphthalene

Concen: 18.70 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Instrument :

MSVOA_U

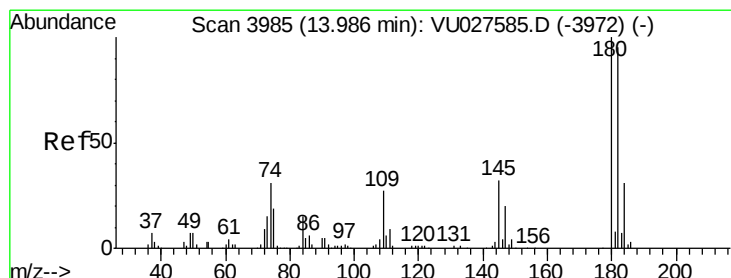
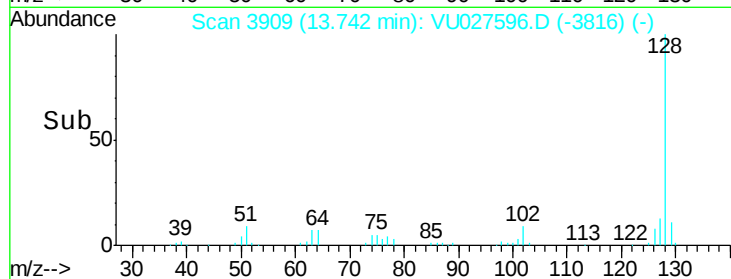
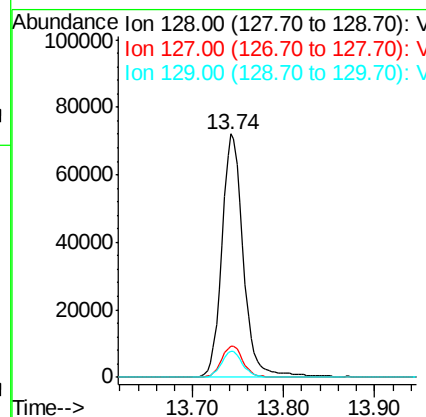
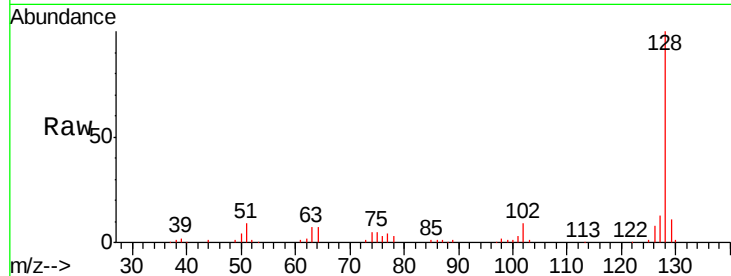
ClientSampleId :

VU1011WBS01

Tgt Ion:	128	Resp:	118194
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.69 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027596.D

Acq: 11 Oct 2018 14:10

Tgt Ion:	180	Resp:	35699
Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.4	142.2
145	30.8	15.9	47.7

