

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027257.D
 Acq On : 28 Sep 2018 09:39
 Operator : MD/SY
 Sample : VU0928WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:34 PM

Quant Time: Sep 28 16:47:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	140916	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	135274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71522	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	78213	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
35) Dibromofluoromethane	4.88	113	56885	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
50) Toluene-d8	7.57	98	207974	44.68	ug/l	0.00
Spiked Amount			Recovery	=	89.36%	
62) 4-Bromofluorobenzene	10.31	95	77064	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	24051	22.113	ug/l	96
3) Chloromethane	1.33	50	37664	20.085	ug/l	99
4) Vinyl Chloride	1.40	62	35846	20.478	ug/l	99
5) Bromomethane	1.62	94	19876	19.940	ug/l	98
6) Chloroethane	1.70	64	22865	20.444	ug/l	99
7) Trichlorofluoromethane	1.88	101	39792	20.015	ug/l	97
8) Diethyl Ether	2.11	74	18478	19.310	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22854	18.696	ug/l	99
10) Methyl Iodide	2.41	142	12086	7.972	ug/l	98
11) Tert butyl alcohol	2.82	59	35518	92.422	ug/l	99
12) 1,1-Dichloroethene	2.29	96	21617	18.788	ug/l	99
13) Acrolein	2.19	56	11160	53.870	ug/l	98
14) Allyl chloride	2.59	41	52904	22.670	ug/l	95
15) Acrylonitrile	2.94	53	99990	103.233	ug/l	99
16) Acetone	2.32	43	104137	107.468	ug/l	98
17) Carbon Disulfide	2.48	76	77172	20.589	ug/l	99
18) Methyl Acetate	2.62	43	55063	23.073	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	91228	21.577	ug/l	100
20) Methylene Chloride	2.70	84	29057	19.351	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	25826	21.024	ug/l	99
22) Diisopropyl ether	3.57	45	114015	22.842	ug/l	98
23) Vinyl Acetate	3.53	43	475125	111.668	ug/l	100
24) 1,1-Dichloroethane	3.45	63	58888	21.421	ug/l	99
25) 2-Butanone	4.26	43	148530	105.412	ug/l	97
26) 2,2-Dichloropropane	4.23	77	46804	21.831	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	29154	21.015	ug/l	96
28) Bromochloromethane	4.55	49	27472	20.731	ug/l	95
29) Tetrahydrofuran	4.64	42	90848	106.582	ug/l	98
30) Chloroform	4.67	83	53077	20.800	ug/l	100
31) Cyclohexane	5.00	56	56074	22.118	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	43606	21.403	ug/l	99
36) 1,1-Dichloropropene	5.14	75	39156	20.820	ug/l	98
37) Ethyl Acetate	4.38	43	52281	20.535	ug/l	98
38) Carbon Tetrachloride	5.13	117	36424	20.352	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	45407	22.217	ug/l	95
40) Benzene	5.39	78	117723	20.591	ug/l	98
41) Methacrylonitrile	4.54	41	29489	22.303	ug/l	97
42) 1,2-Dichloroethane	5.40	62	44558	20.628	ug/l	100
43) Isopropyl Acetate	5.55	43	79013	21.280	ug/l	99
44) Trichloroethene	6.19	130	25294	20.781	ug/l	98
45) 1,2-Dichloropropane	6.43	63	34240	21.018	ug/l	95
46) Dibromomethane	6.56	93	20057	20.386	ug/l	100
47) Bromodichloromethane	6.76	83	40259	20.237	ug/l	98
48) Methyl methacrylate	6.62	41	40007	20.408	ug/l	99
49) 1,4-Dioxane	6.61	88	14377	357.114	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	265932	106.493	ug/l	100
52) Toluene	7.64	92	70767	21.594	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	46997	21.987	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	50175	21.349	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	28741	20.698	ug/l	99
56) Ethyl methacrylate	8.02	69	45423	20.219	ug/l	98
57) 1,3-Dichloropropane	8.24	76	54290	21.021	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	116871	88.671	ug/l	99
59) 2-Hexanone	8.36	43	204032	104.378	ug/l	99
60) Dibromochloromethane	8.48	129	27753	20.376	ug/l	98
61) 1,2-Dibromoethane	8.59	107	29152	20.177	ug/l	99
64) Tetrachloroethene	8.23	164	22007	21.112	ug/l	97
65) Chlorobenzene	9.12	112	72117	20.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	25750	20.843	ug/l	98
67) Ethyl Benzene	9.25	91	126553	21.457	ug/l	100
68) m/p-Xylenes	9.38	106	94949	40.654	ug/l	98
69) o-Xylene	9.78	106	45595	21.818	ug/l	99
70) Styrene	9.79	104	73042	19.852	ug/l	98
71) Bromoform	9.96	173	19666	20.585	ug/l #	98
73) Isopropylbenzene	10.17	105	125148	23.003	ug/l	97
74) N-amyl acetate	10.02	43	67954	21.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	48818	19.516	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	43891m	20.200	ug/l	
77) Bromobenzene	10.45	156	27591	20.753	ug/l	94
78) n-propylbenzene	10.59	91	148344	23.044	ug/l	99
79) 2-Chlorotoluene	10.66	91	90190	22.305	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	102688	22.865	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	12519m	18.438	ug/l	
82) 4-Chlorotoluene	10.77	91	102182	22.537	ug/l	99
83) tert-Butylbenzene	11.10	119	97244	21.901	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	105145	23.005	ug/l	98
85) sec-Butylbenzene	11.32	105	123930	22.865	ug/l	99
86) p-Isopropyltoluene	11.48	119	103070	20.818	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	51007	20.617	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	52603	19.508	ug/l	98
89) n-Butylbenzene	11.89	91	92041	20.168	ug/l	98
90) Hexachloroethane	12.15	117	19430	19.713	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	51780	19.703	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10359	20.300	ug/l	94

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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	30751	20.305	ug/l	98
94) Hexachlorobutadiene	13.69	225	17112	21.355	ug/l	99
95) Naphthalene	13.75	128	103680	18.607	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	33396	20.563	ug/l	99

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

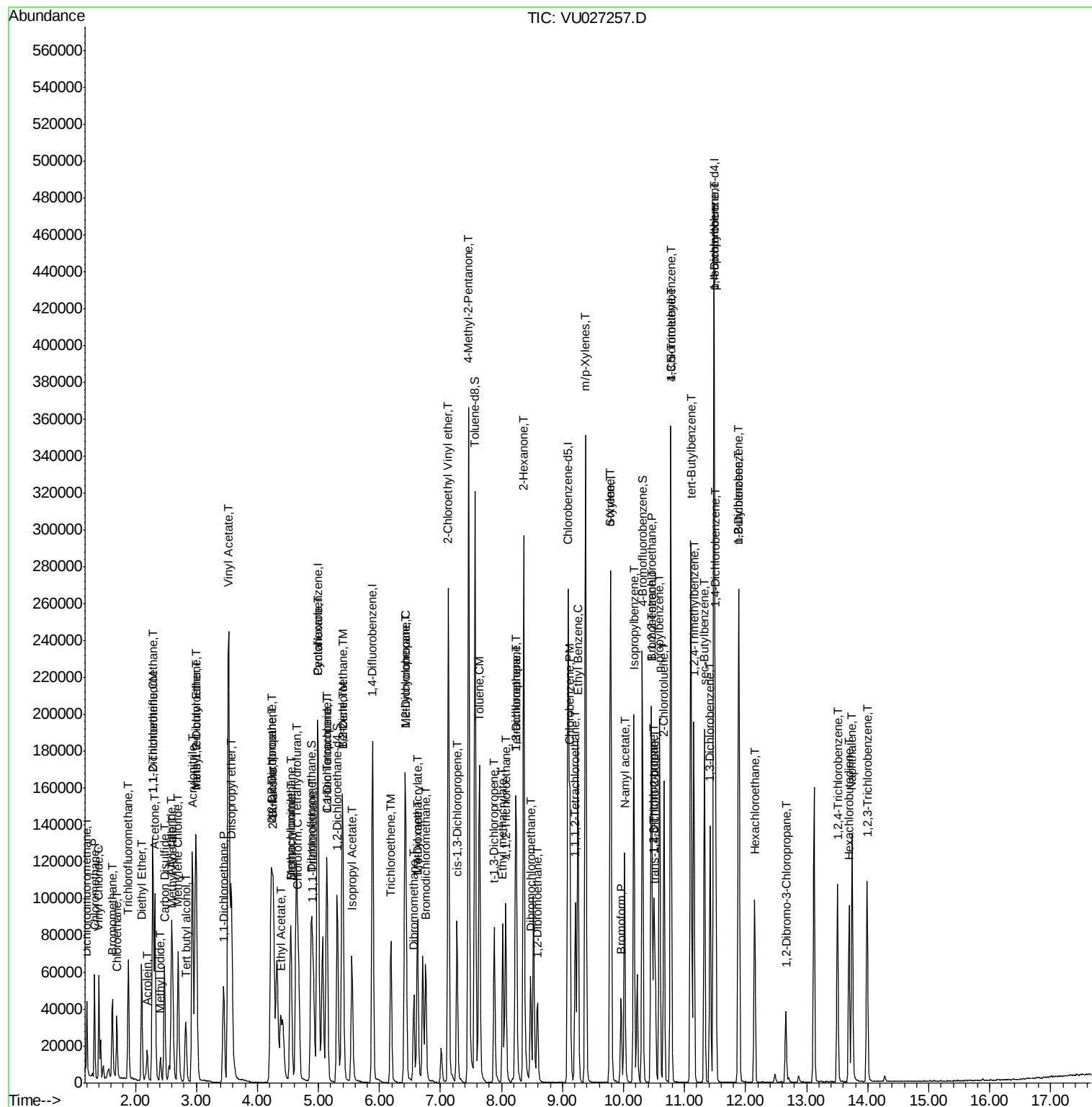
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

Tot Ion:168 Resp: 83305

Ion Ratio Lower Upper

168 100

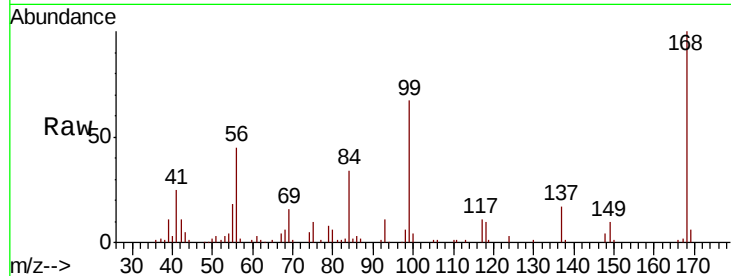
99 65.8 48.1 72.1

Manual Integrations

APPROVED

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10/2/2018 1:07:34 PM



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

40000

30000

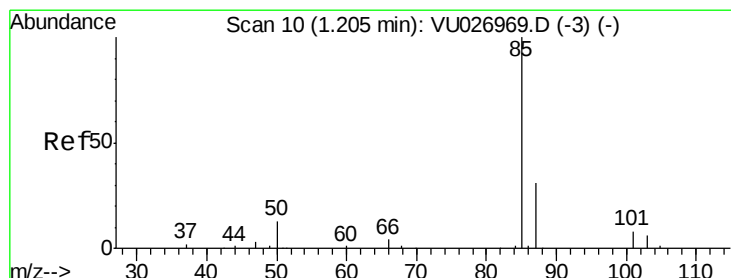
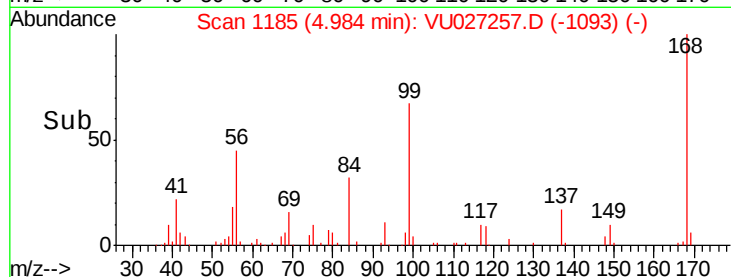
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10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 22.113 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027257.D

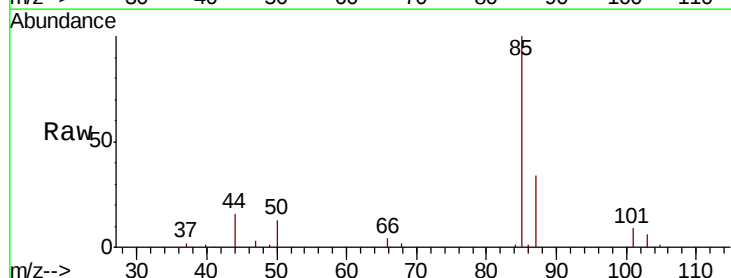
Acq: 28 Sep 2018 09:39

Tgt Ion: 85 Resp: 24051

Ion Ratio Lower Upper

85 100

87 33.6 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

25000

20000

15000

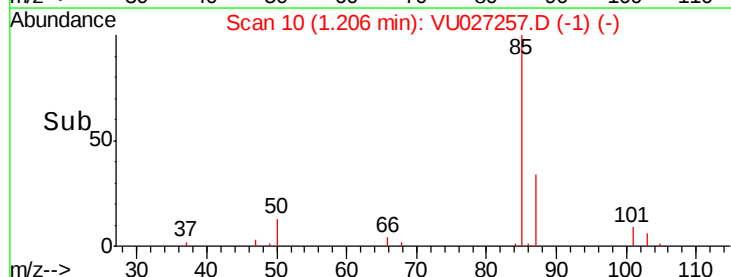
10000

5000

0

1.15 1.20 1.25

Time-->





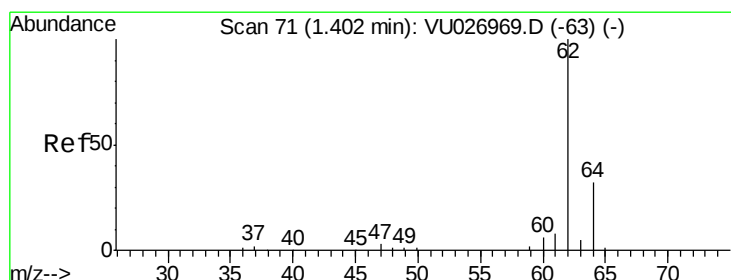
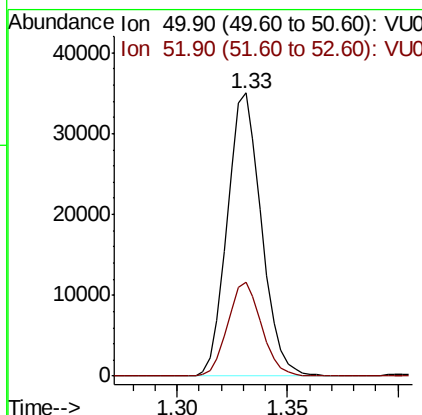
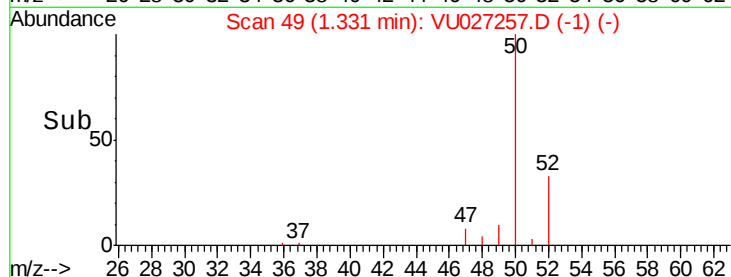
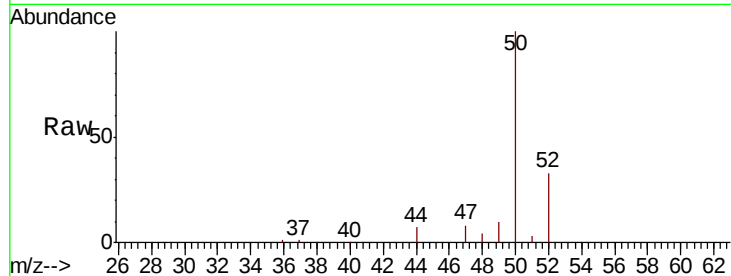
#3
Chloromethane
Concen: 20.085 ug/l
RT: 1.33 min Scan# 49
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion: 50 Resp: 37664
Ion Ratio Lower Upper
50 100
52 33.0 25.9 38.9

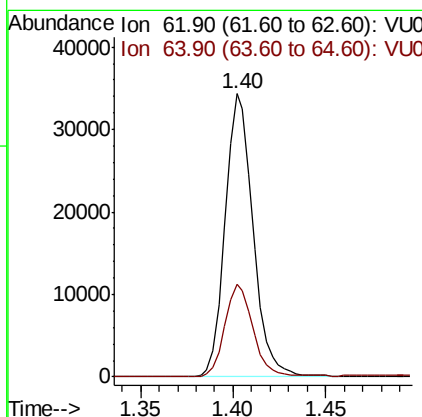
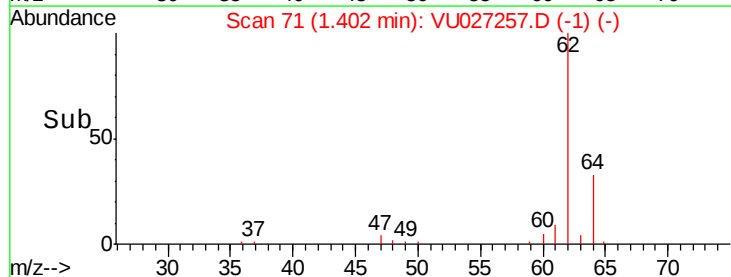
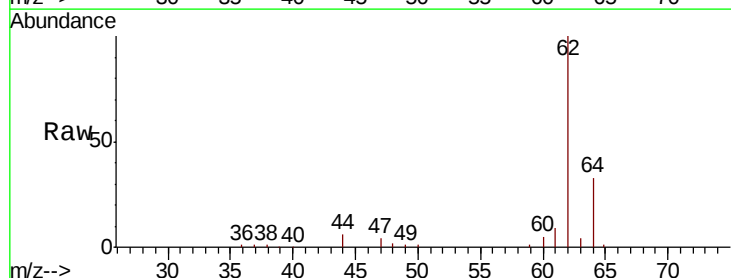
Manual Integrations
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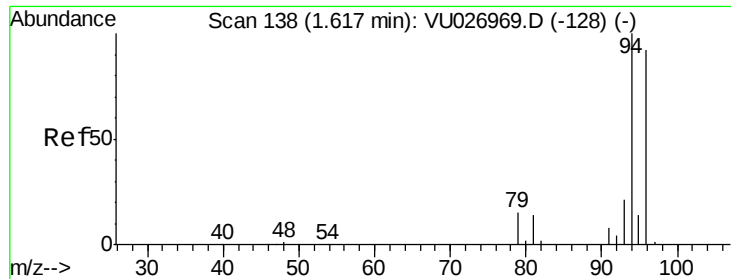
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#4
Vinyl Chloride
Concen: 20.478 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 62 Resp: 35846
Ion Ratio Lower Upper
62 100
64 32.6 25.5 38.3





#5

Bromomethane

Concen: 19.940 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

Tot Ion: 94 Resp: 19876

Ion Ratio Lower Upper

94 100

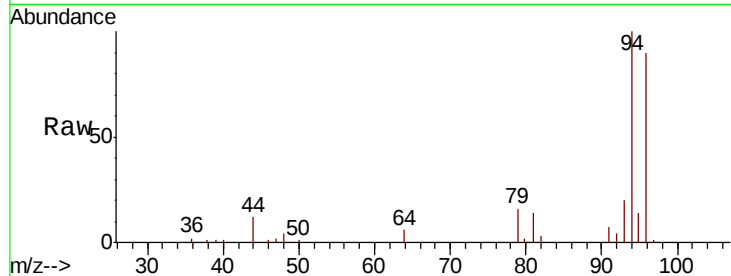
96 89.6 73.2 109.8

Manual Integrations

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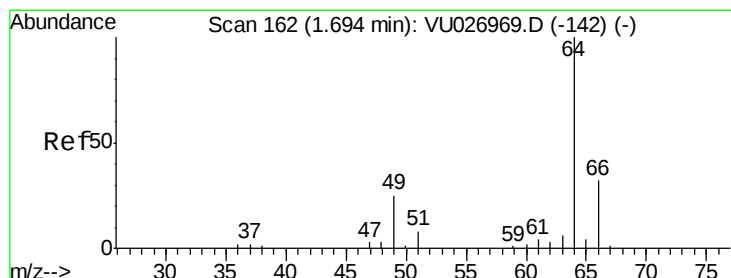
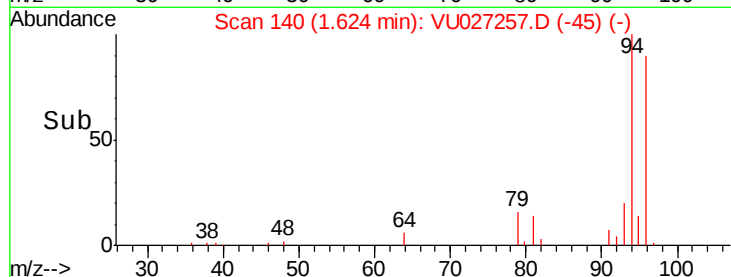
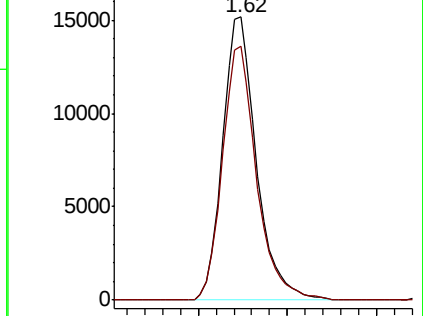
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.444 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027257.D

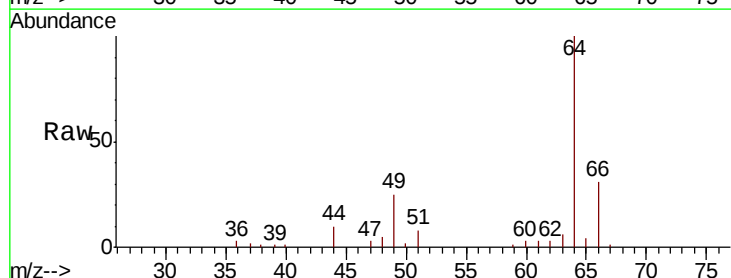
Acq: 28 Sep 2018 09:39

Tgt Ion: 64 Resp: 22865

Ion Ratio Lower Upper

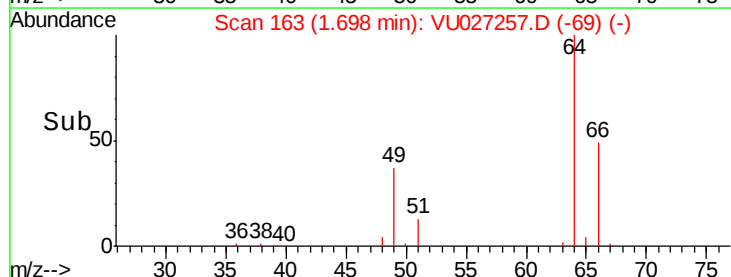
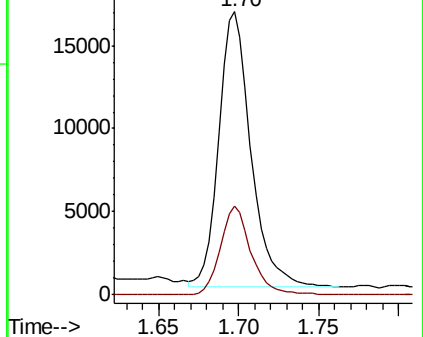
64 100

66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

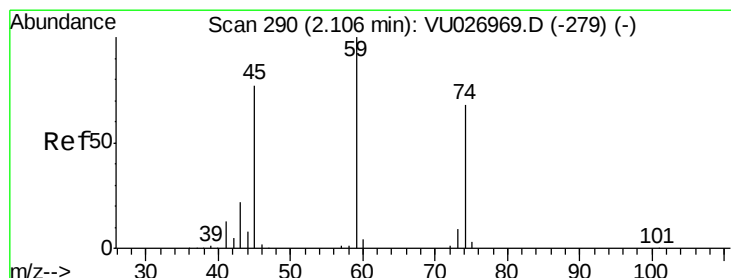
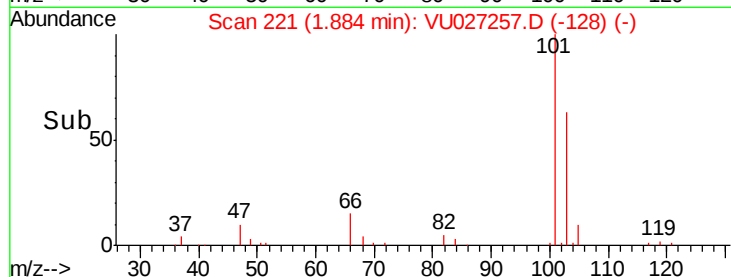
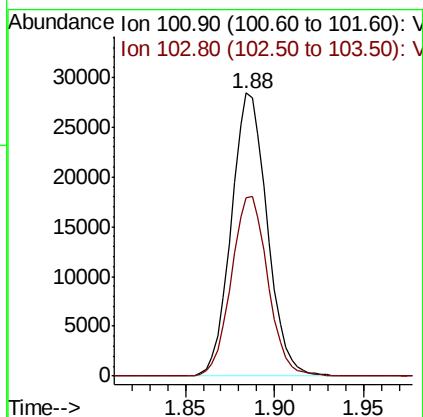
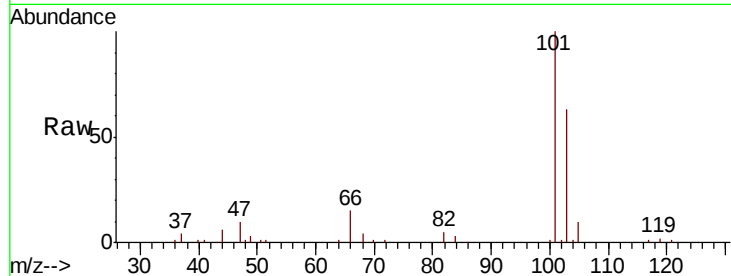
Trichlorofluoromethane
 Concen: 20.015 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.2	78.2

Manual Integrations
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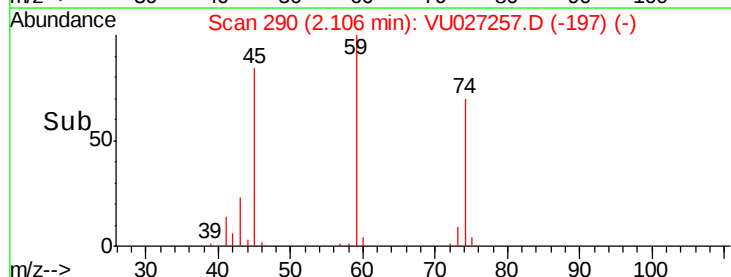
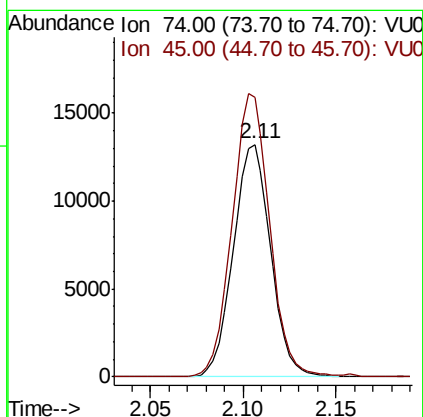
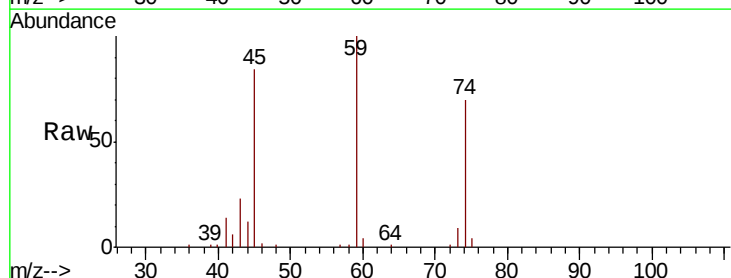
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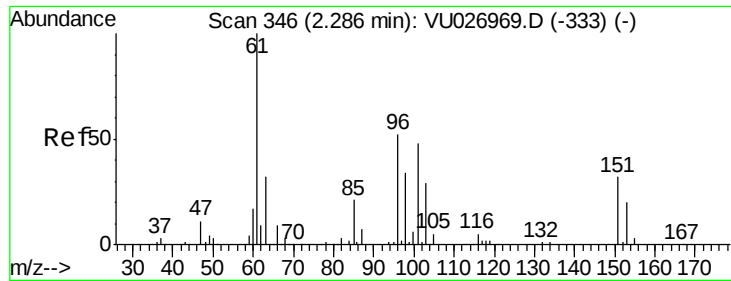


#8

Diethyl Ether
 Concen: 19.310 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.7	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.696 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

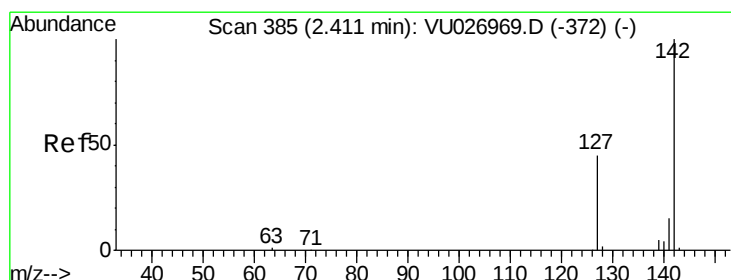
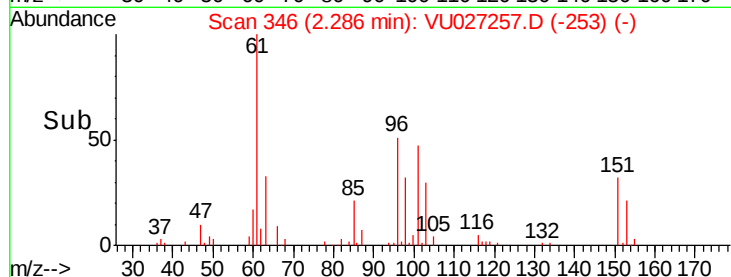
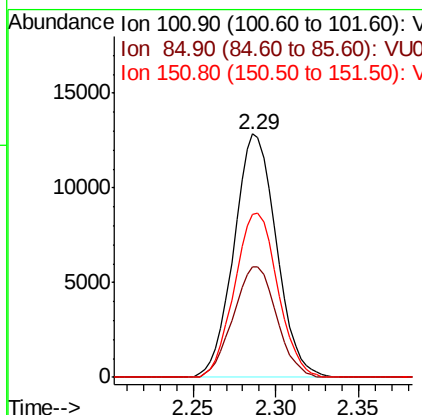
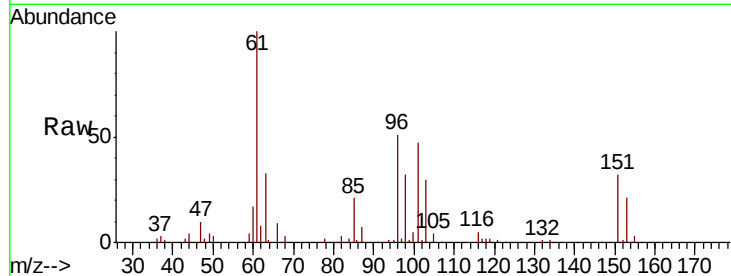
ClientSampleId :

VU0928WBS02

Tot Ion:	101	Resp:	22854
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.2	54.2
151	68.6	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 7.972 ug/l

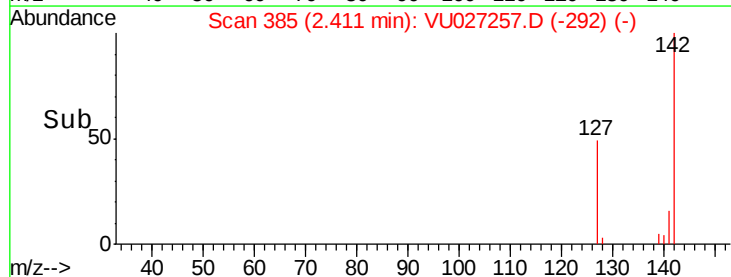
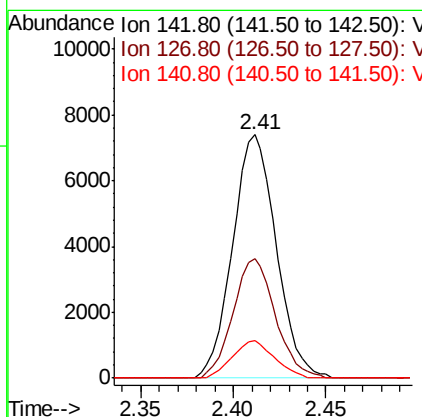
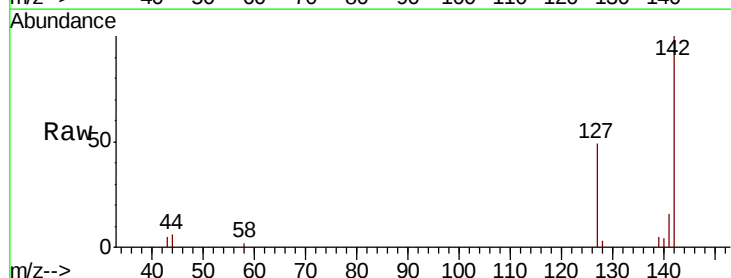
RT: 2.41 min Scan# 385

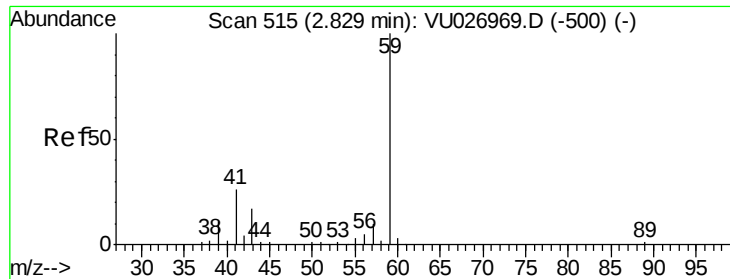
Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Tgt Ion:	142	Resp:	12086
Ion Ratio	Lower	Upper	
142	100		
127	47.4	36.7	55.1
141	14.8	11.8	17.6





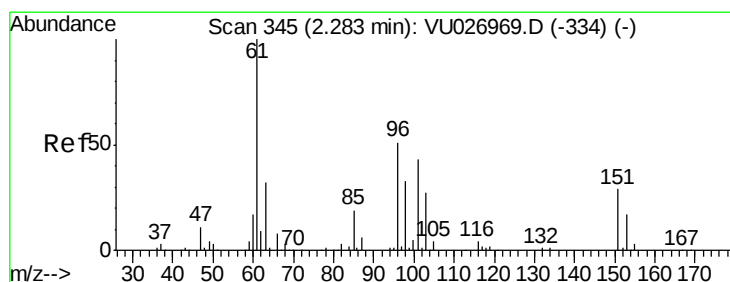
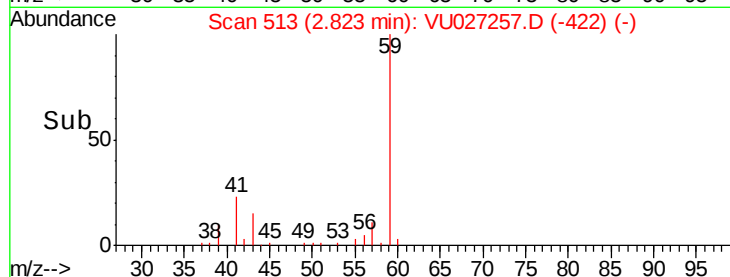
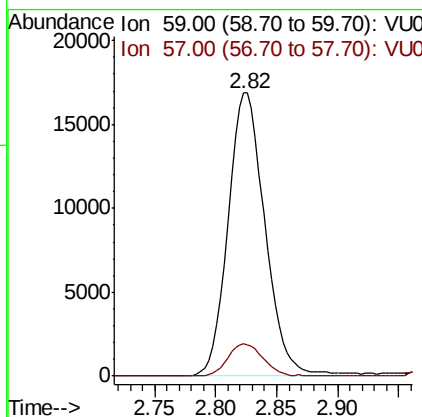
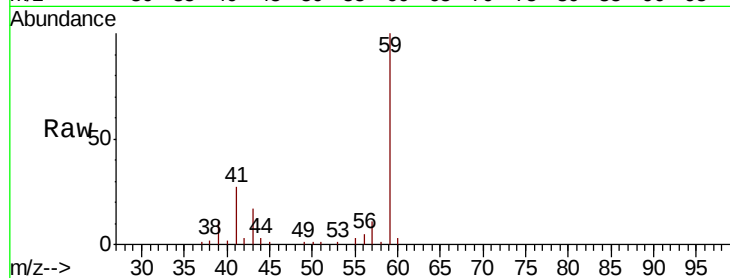
#11
Tert butyl alcohol
Concen: 92.422 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	35518		
57	10.9		8.5	12.7

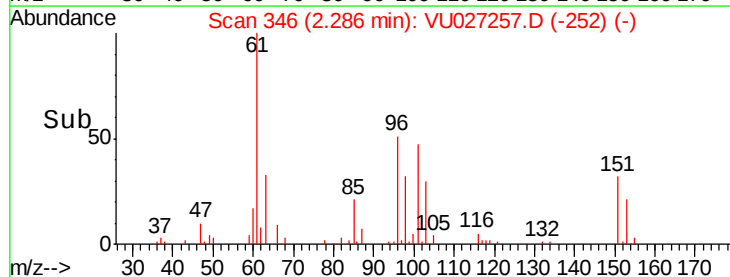
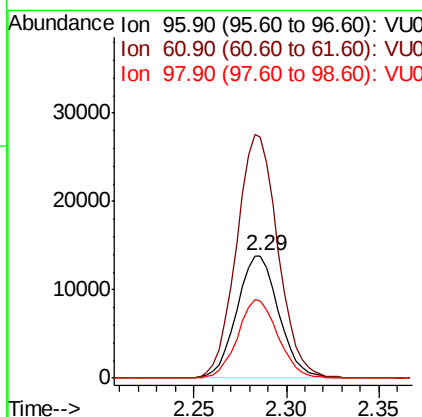
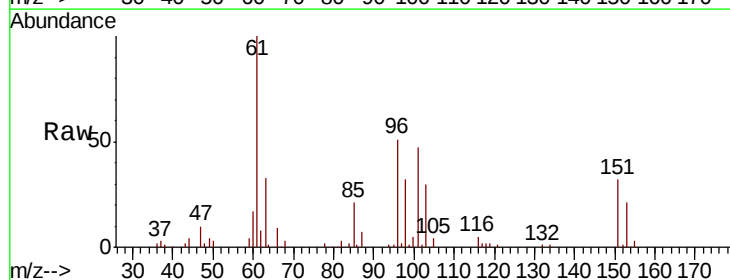
Manual Integrations
APPROVED

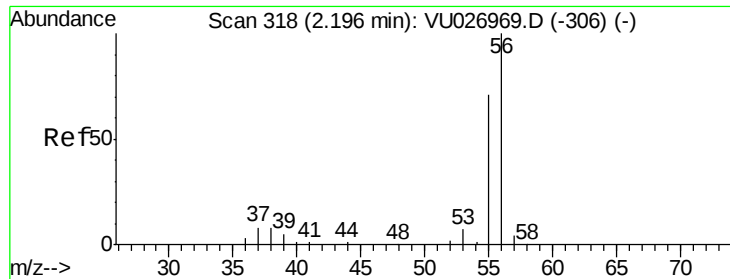
MMDadoda
10/2/2018 1:07:34 PM



#12
1,1-Dichloroethene
Concen: 18.788 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	21617		
61	196.7		156.1	234.1
98	62.8		51.4	77.0





#13

Acrolein

Concen: 53.870 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

Tot Ion: 56 Resp: 11160

Ion Ratio Lower Upper

56 100

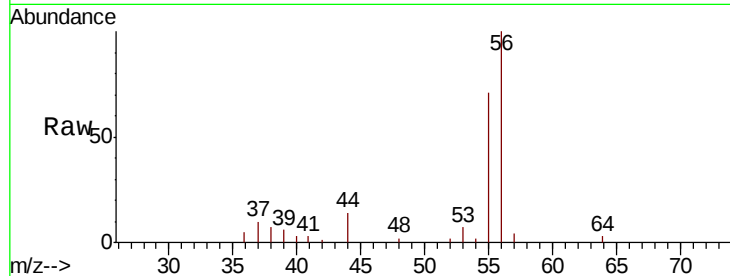
55 73.2 57.1 85.7

Manual Integrations

APPROVED

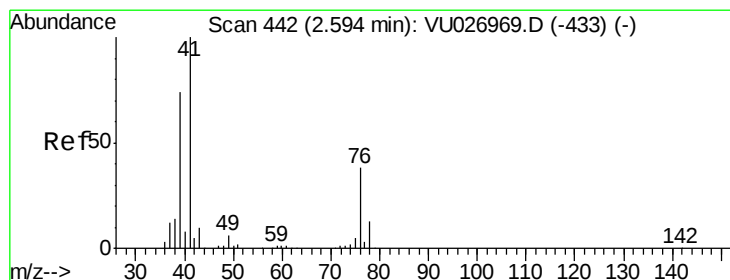
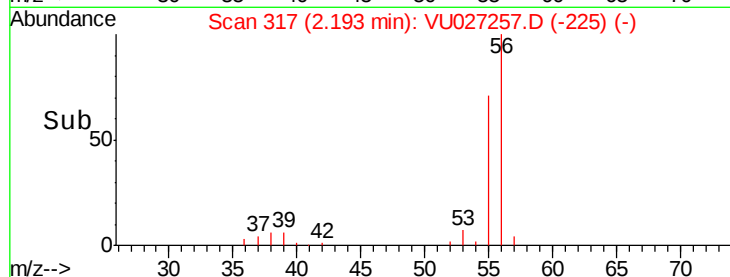
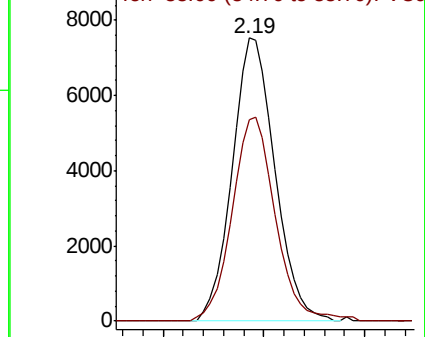
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 22.670 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

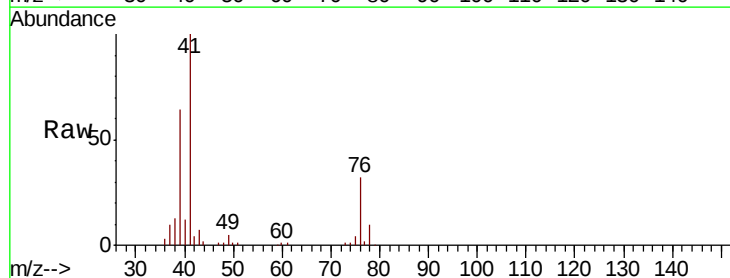
Tgt Ion: 41 Resp: 52904

Ion Ratio Lower Upper

41 100

39 64.3 55.7 83.5

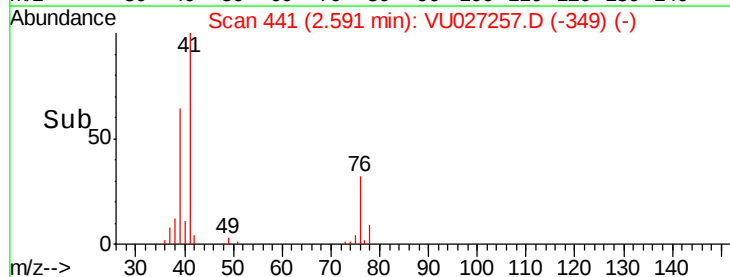
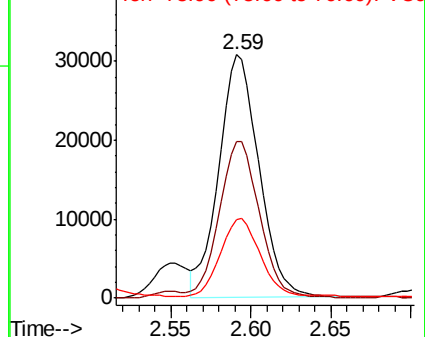
76 32.0 26.5 39.7

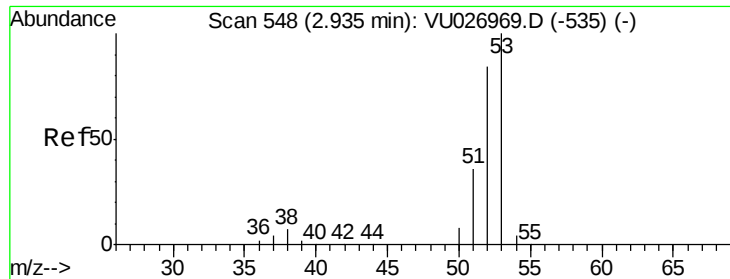


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 103.233 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

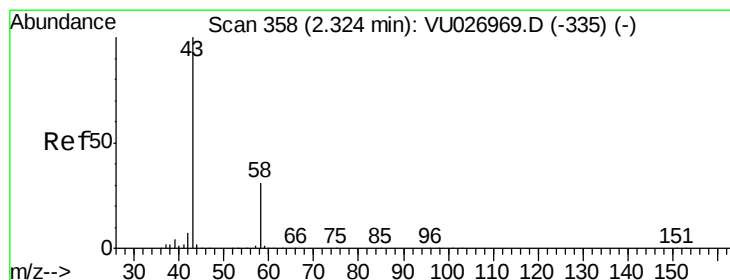
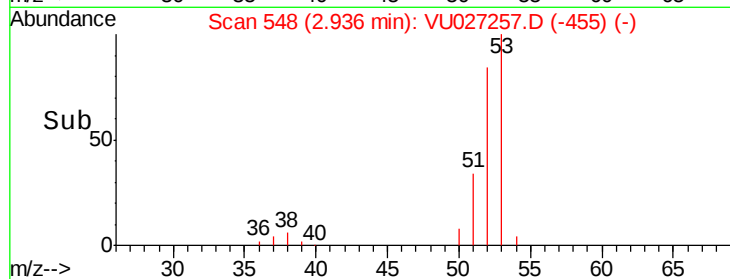
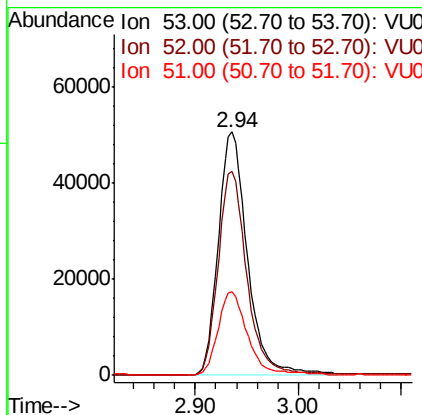
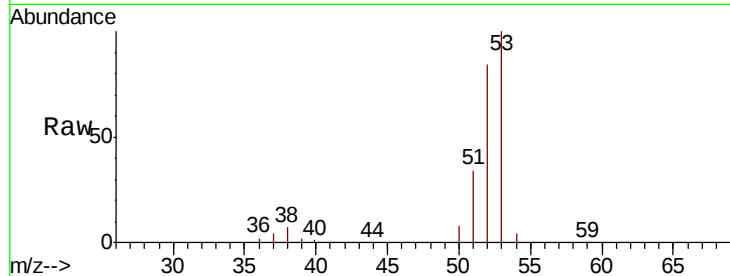
ClientSampleId :

VU0928WBS02

Tot Ion:	53	Resp:	99990
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.7	98.5
51	34.3	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 107.468 ug/l

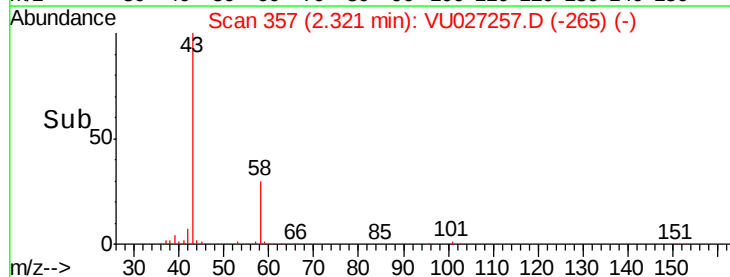
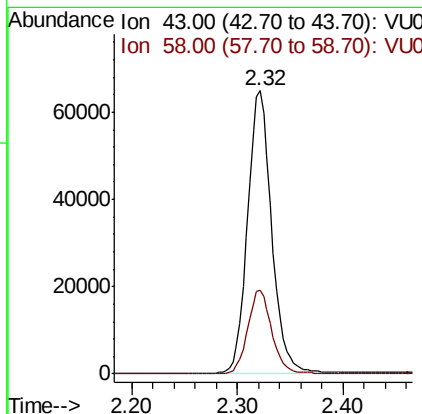
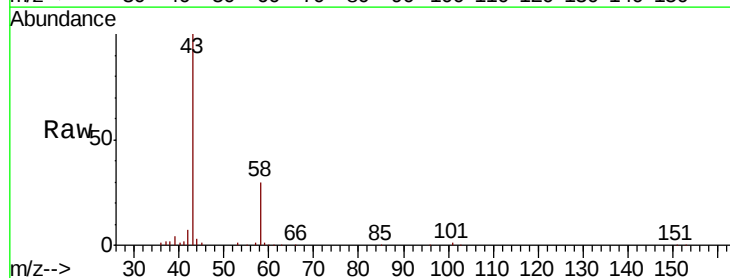
RT: 2.32 min Scan# 357

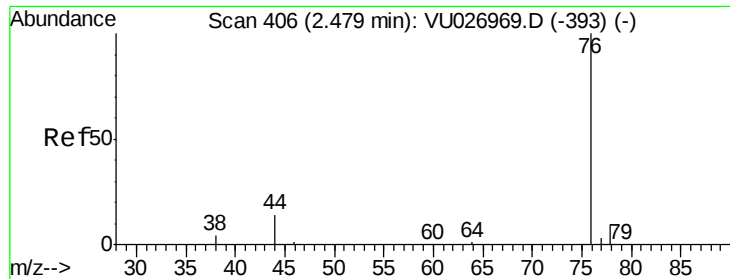
Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Tgt Ion:	43	Resp:	104137
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.6	36.8





#17

Carbon Disulfide

Concen: 20.589 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

Tot Ion: 76 Resp: 77172

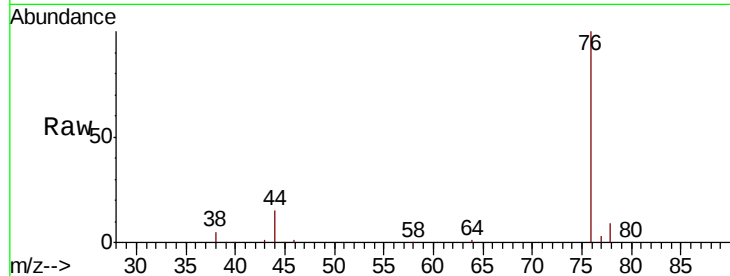
Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

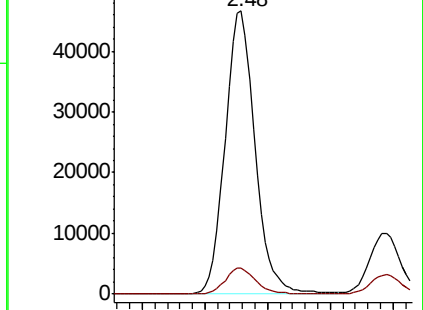
Manual Integrations
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MMDadoda
10/2/2018 1:07:34 PM

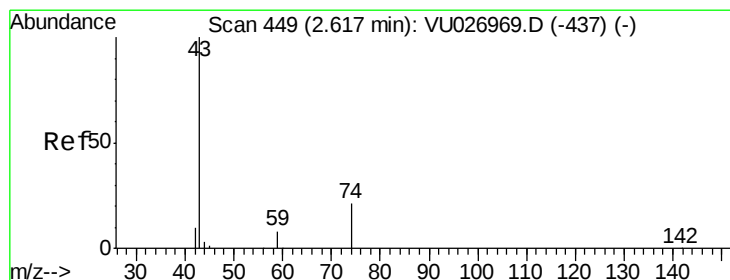
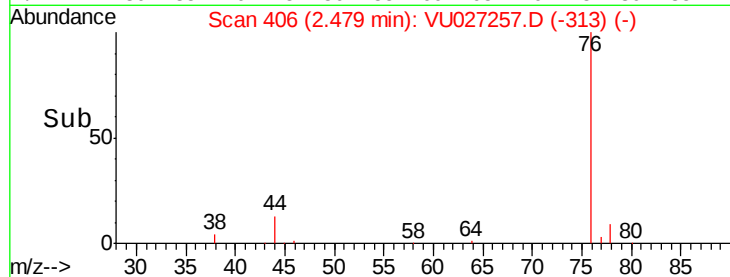


Abundance Ion 75.90 (75.60 to 76.60): VU027257.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU027257.D (-313) (-)



Time-->



#18

Methyl Acetate

Concen: 23.073 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027257.D

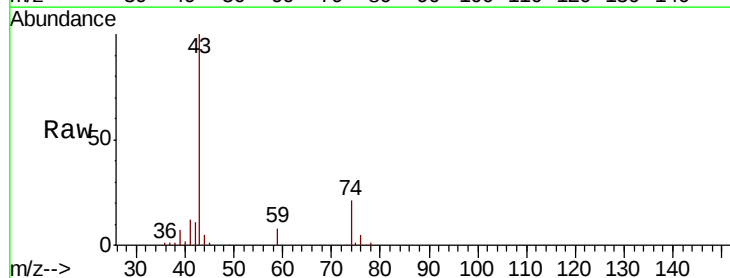
Acq: 28 Sep 2018 09:39

Tgt Ion: 43 Resp: 55063

Ion Ratio Lower Upper

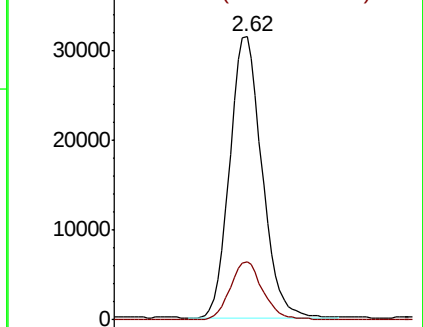
43 100

74 20.8 16.6 25.0

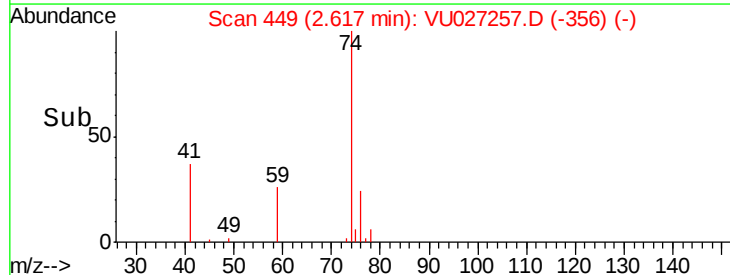


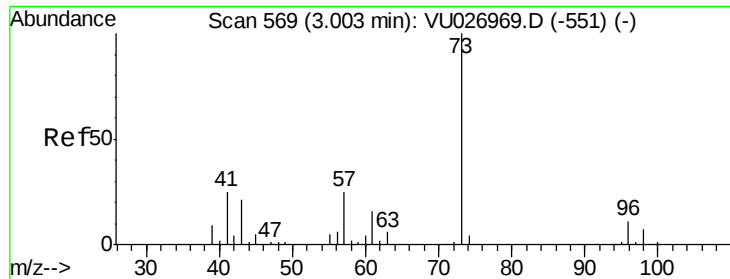
Abundance Ion 43.00 (42.70 to 43.70): VU027257.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027257.D (-356) (-)



Time-->





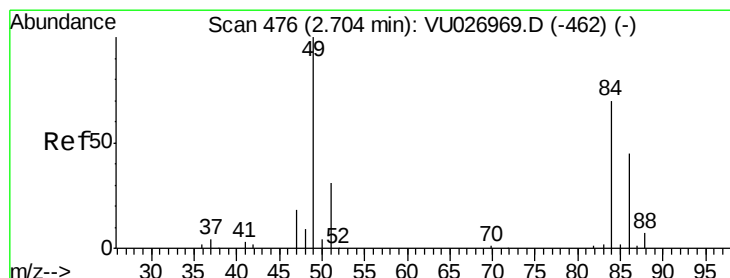
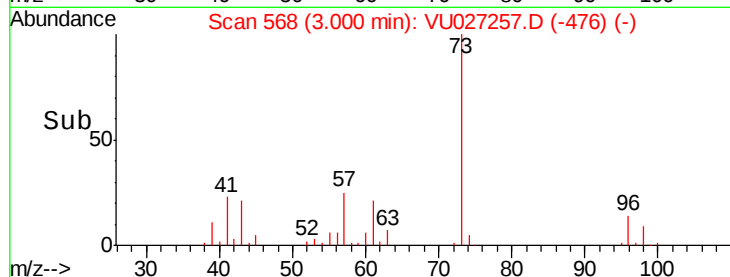
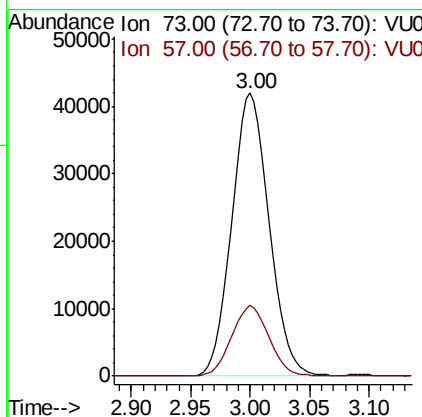
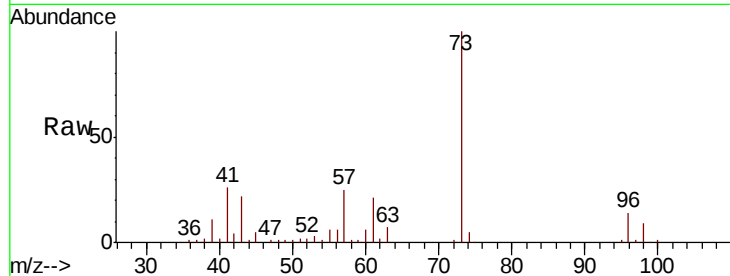
#19
Methvl tert-butvl Ether
Concen: 21.577 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion: 73 Resp: 91228
Ion Ratio Lower Upper
73 100
57 24.9 19.8 29.6

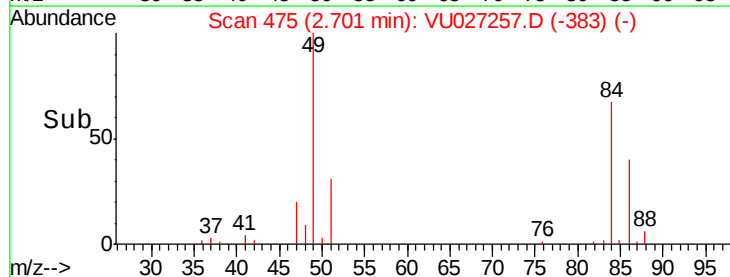
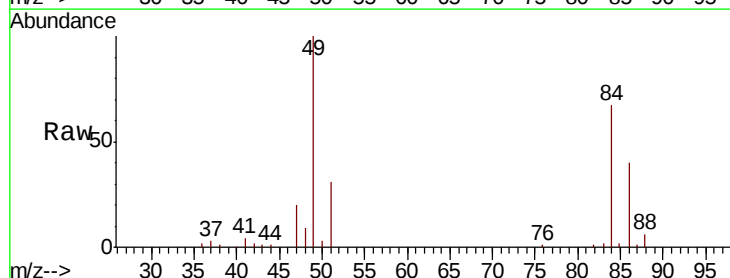
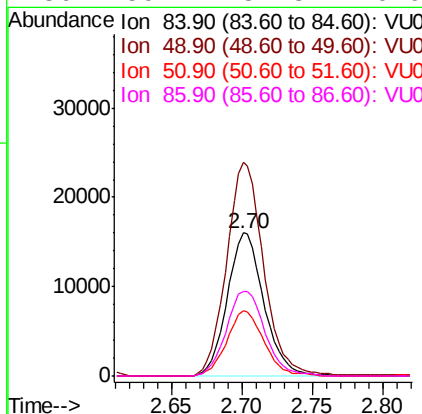
Manual Integrations
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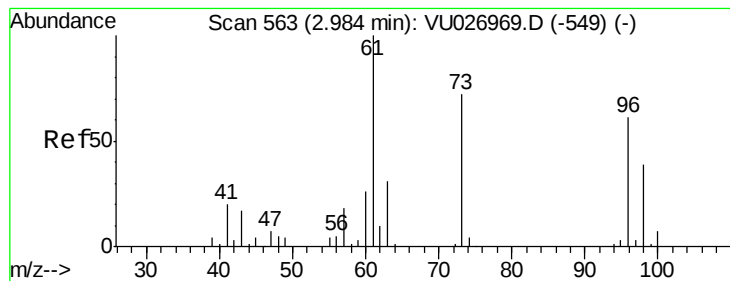
MMDadoda
10/2/2018 1:07:34 PM



#20
Methylene Chloride
Concen: 19.351 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 84 Resp: 29057
Ion Ratio Lower Upper
84 100
49 149.1 114.9 172.3
51 45.7 35.8 53.8
86 59.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 21.024 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

Tot Ion: 96 Resp: 25826

Ion Ratio Lower Upper

96 100

61 162.9 131.8 197.6

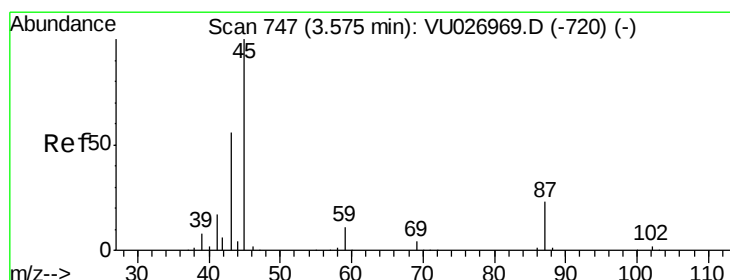
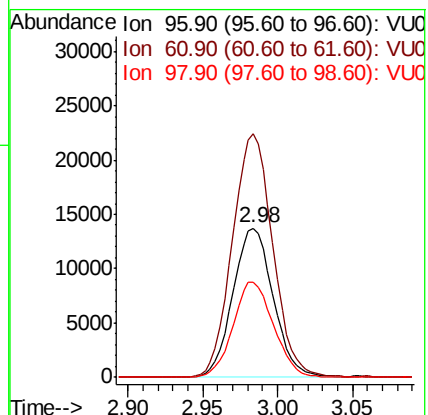
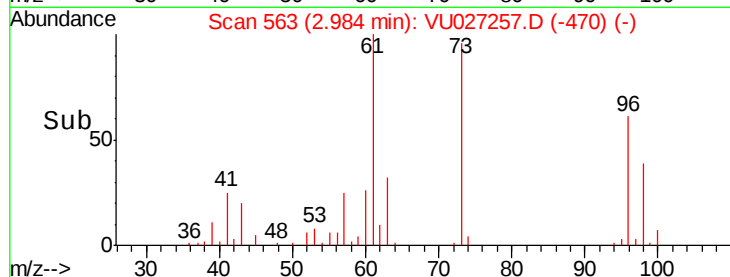
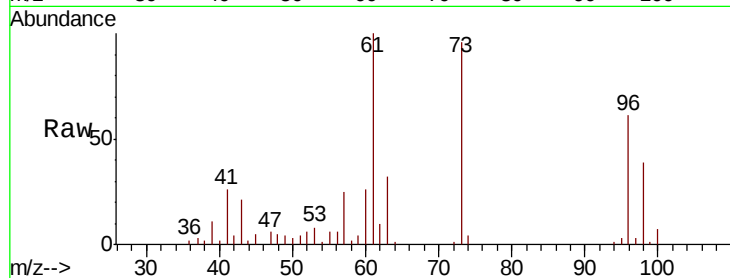
98 63.4 50.9 76.3

Manual Integrations

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MMDadoda

10/2/2018 1:07:34 PM



#22

Diisopropyl ether

Concen: 22.842 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Tgt Ion: 45 Resp: 114015

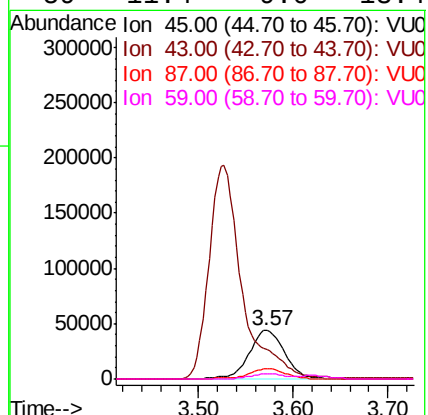
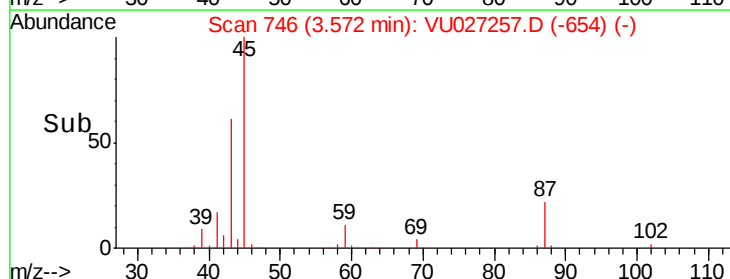
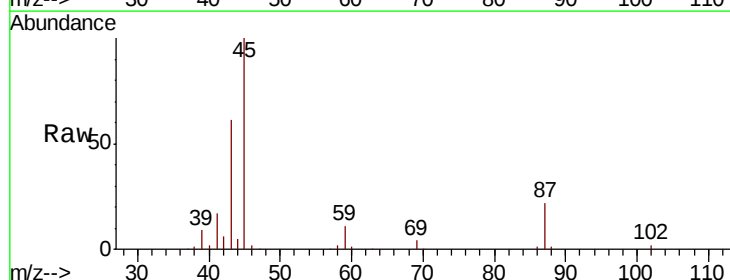
Ion Ratio Lower Upper

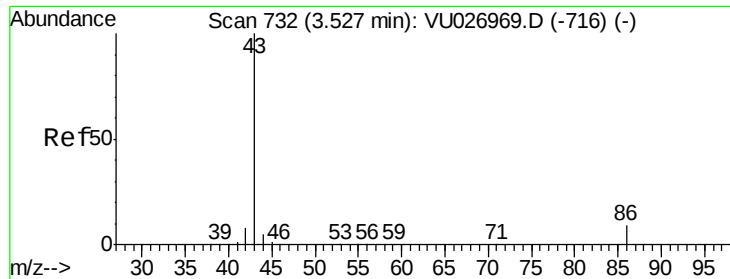
45 100

43 57.9 45.8 68.6

87 21.7 18.6 28.0

59 11.4 9.0 13.4





#23

Vinyl Acetate

Concen: 111.668 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

Tot Ion: 43 Resp: 475125

Ion Ratio Lower Upper

43 100

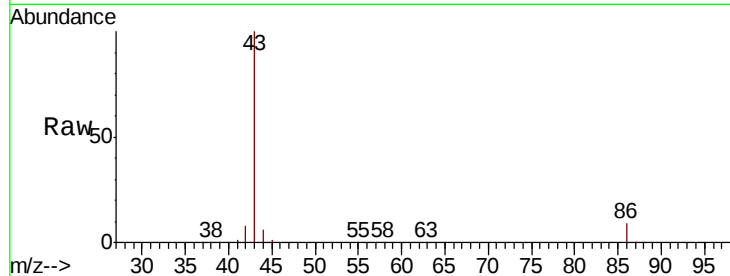
86 8.9 7.2 10.8

Manual Integrations

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MMDadoda

10/2/2018 1:07:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027257.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027257.D (-639) (-)

3.53

200000

150000

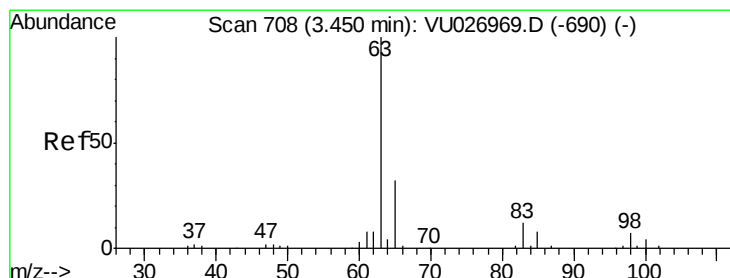
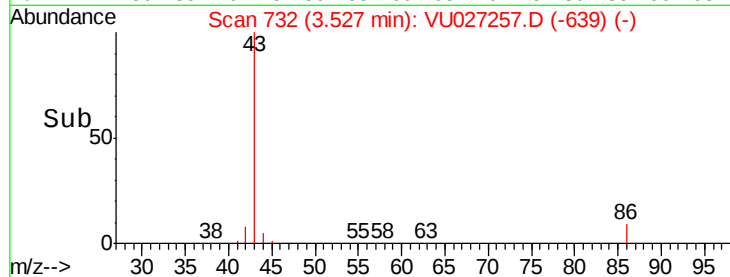
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 21.421 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

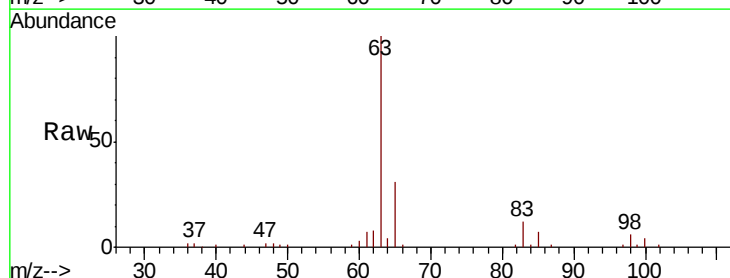
Tgt Ion: 63 Resp: 58888

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027257.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027257.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027257.D (-615) (-)

3.45

30000

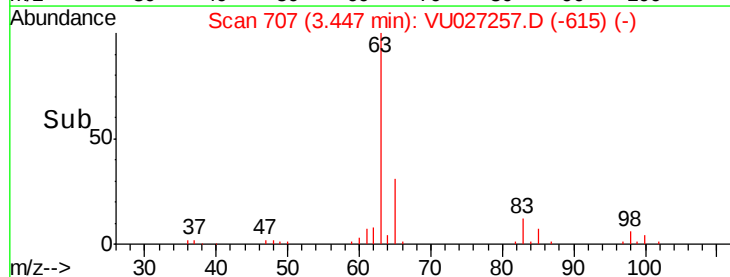
20000

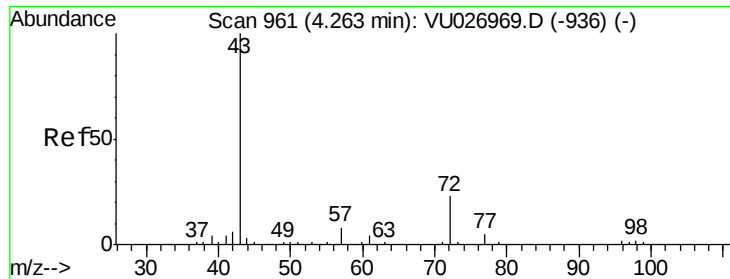
10000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 105.412 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

Tot Ion: 43 Resp: 148530

Ion Ratio Lower Upper

43 100

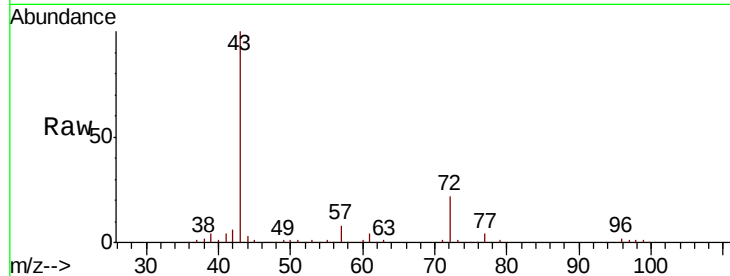
72 21.8 18.4 27.6

Manual Integrations

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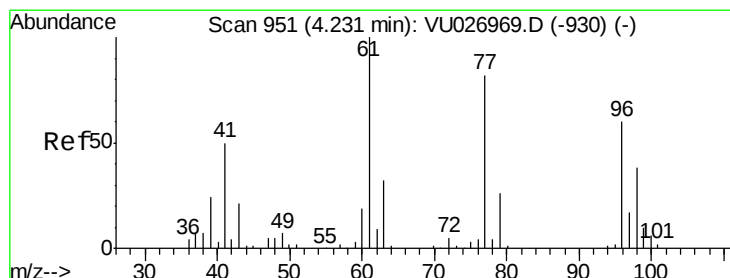
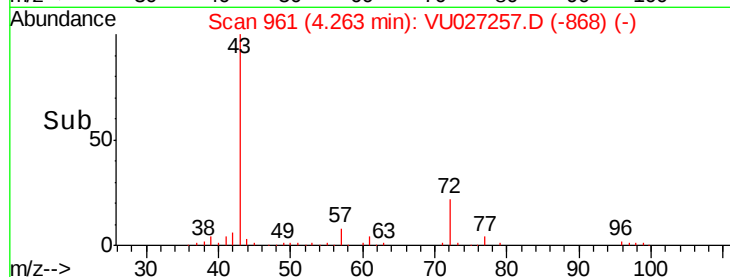
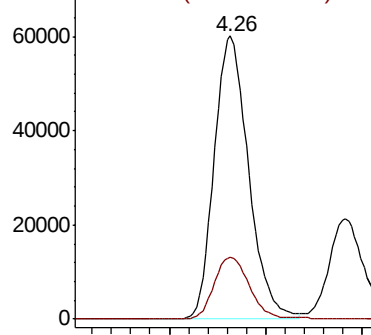
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 21.831 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027257.D

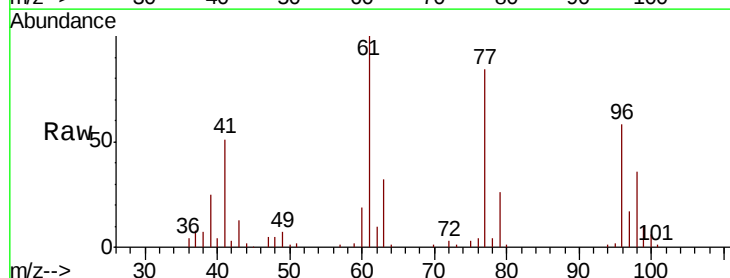
Acq: 28 Sep 2018 09:39

Tgt Ion: 77 Resp: 46804

Ion Ratio Lower Upper

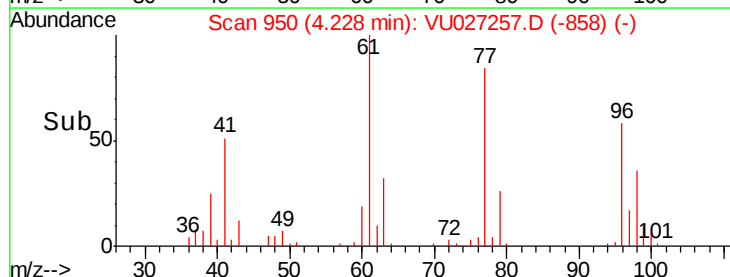
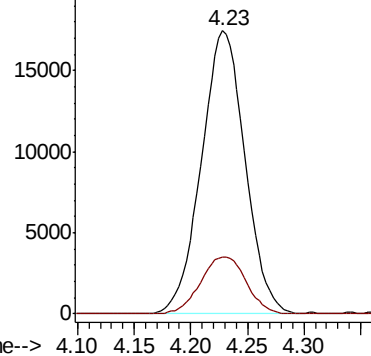
77 100

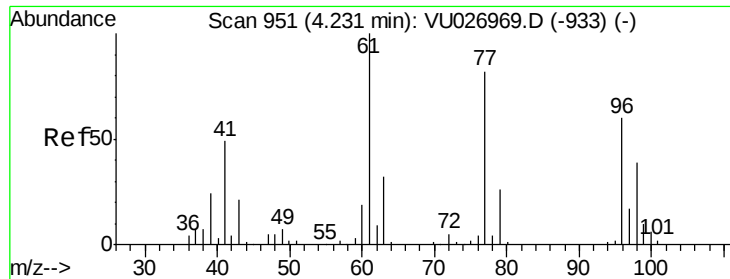
97 21.0 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

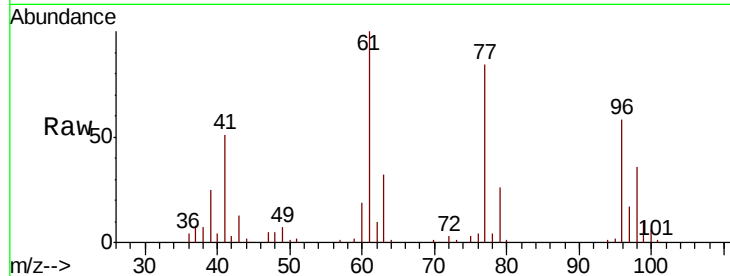
cis-1,2-Dichloroethene
Concen: 21.015 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

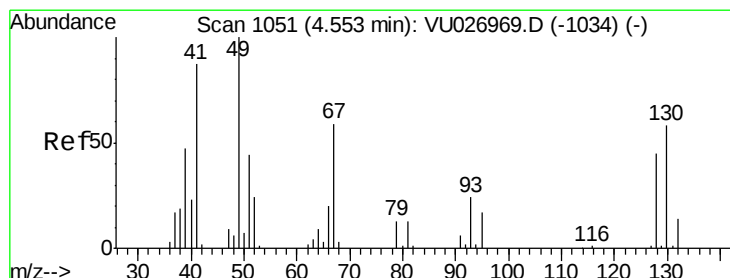
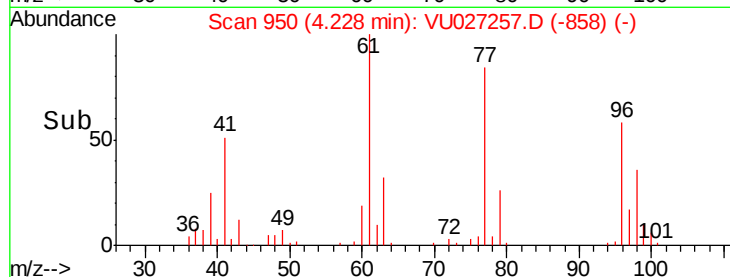
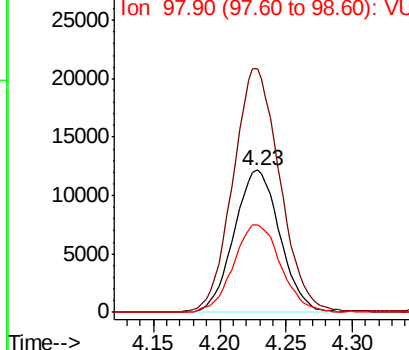
Tot Ion	Ratio	Resp	Lower	Upper
96	100	29154		
61	176.4	0.0	337.2	
98	63.5	0.0	127.6	

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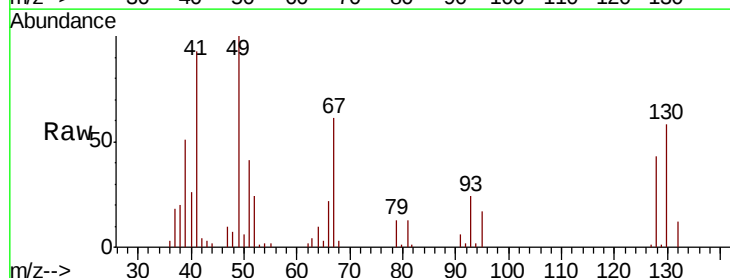
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



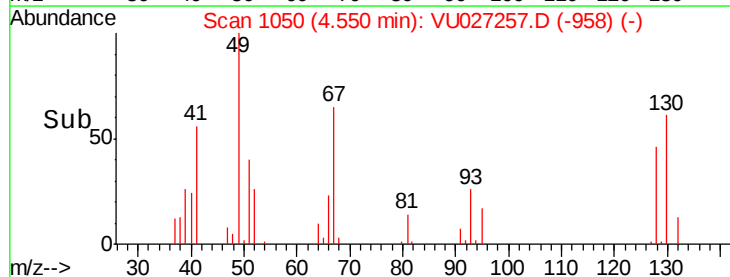
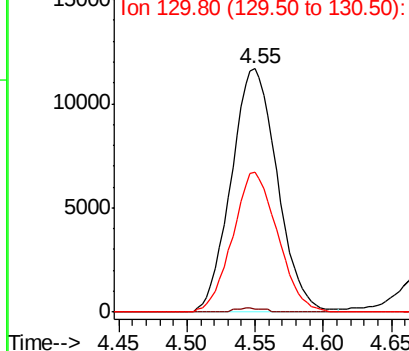
#28

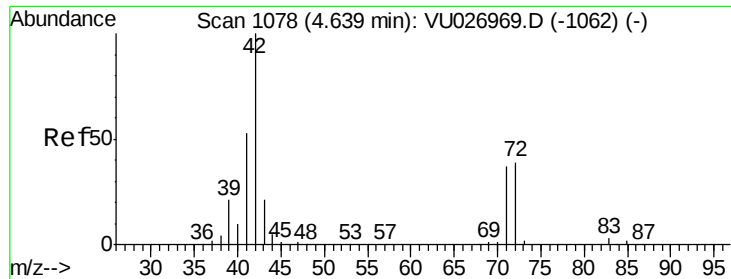
Bromochloromethane
Concen: 20.731 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27472		
129	1.0	0.0	3.0	
130	55.8	47.8	71.8	



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





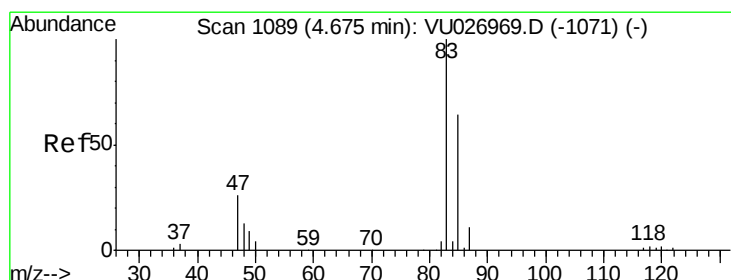
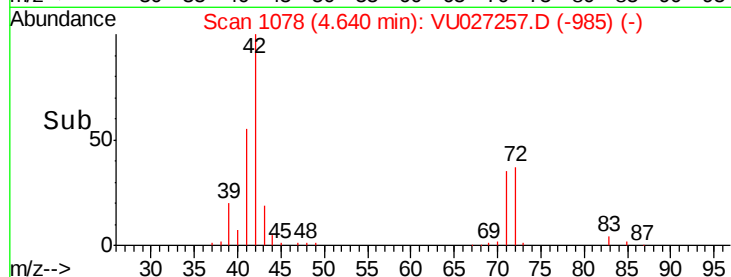
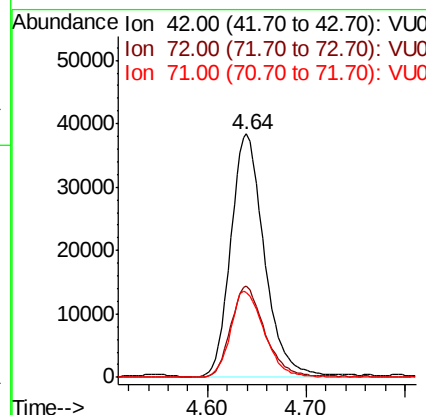
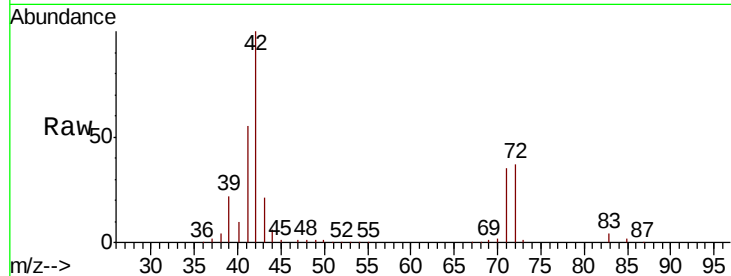
#29
Tetrahydrofuran
Concen: 106.582 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.7	47.5
71	35.7	29.6	44.4

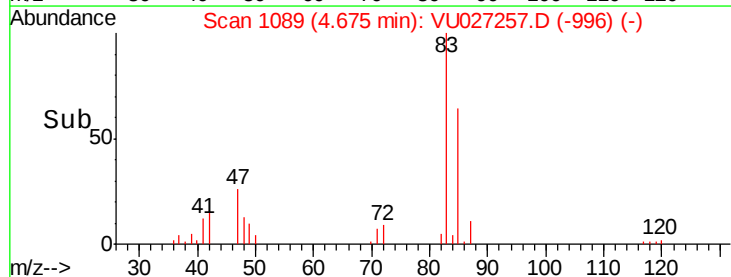
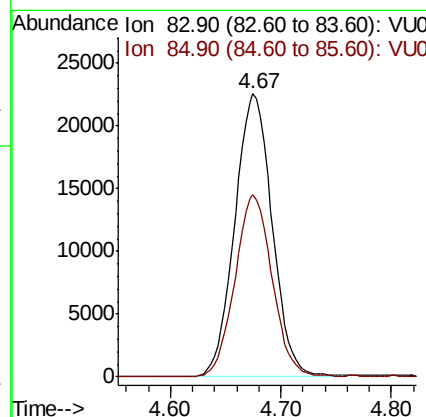
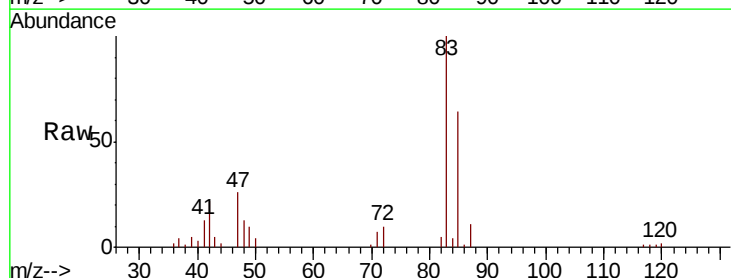
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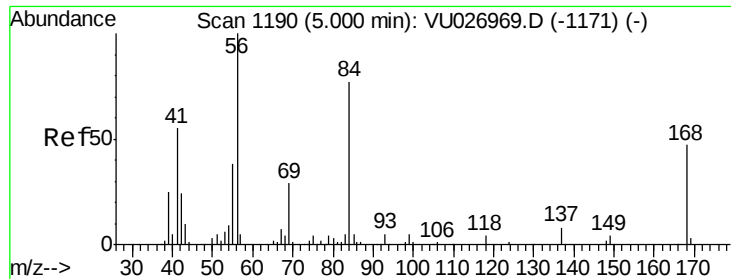
MMDadoda
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#30
Chloroform
Concen: 20.800 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.5	77.3





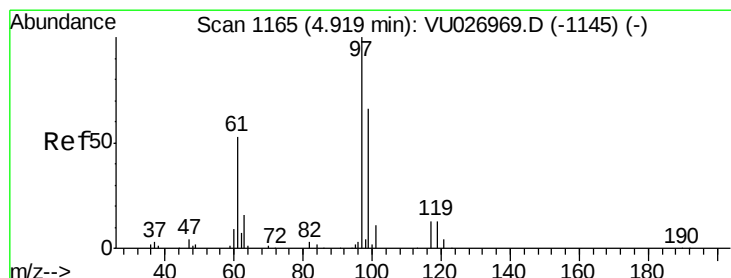
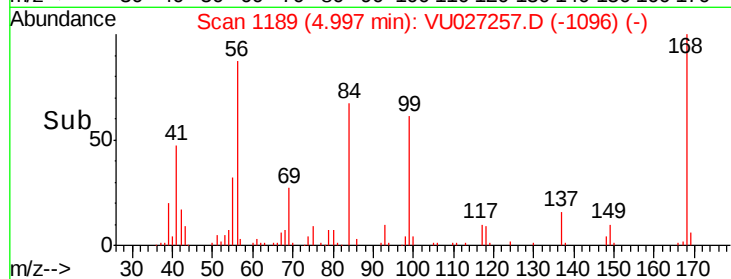
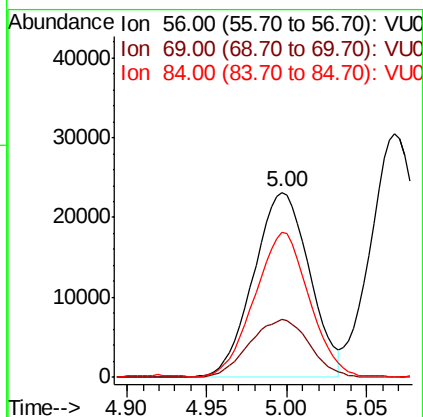
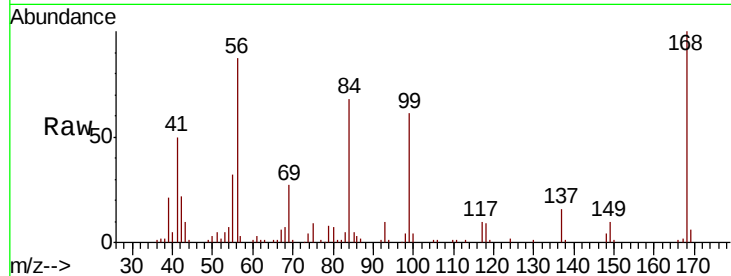
#31
Cyclohexane
Concen: 22.118 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.0	34.4
84	77.9	61.4	92.2

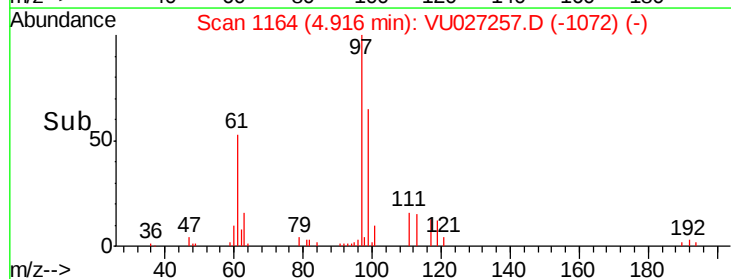
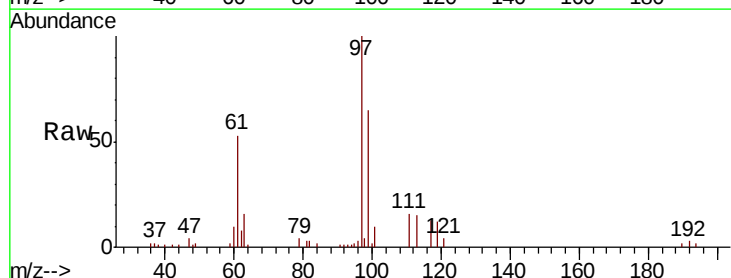
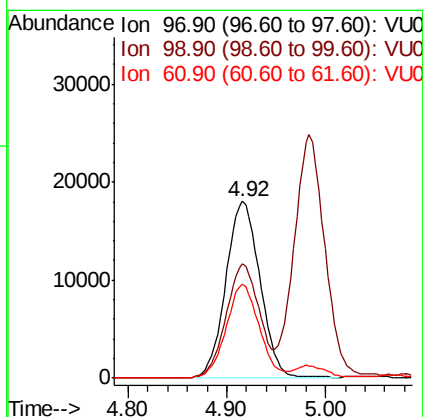
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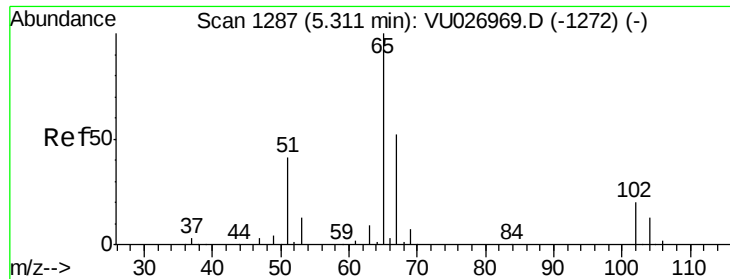
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#32
1,1,1-Trichloroethane
Concen: 21.403 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	51.6	41.1	61.7





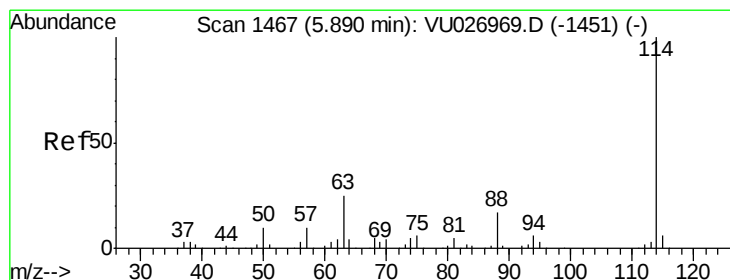
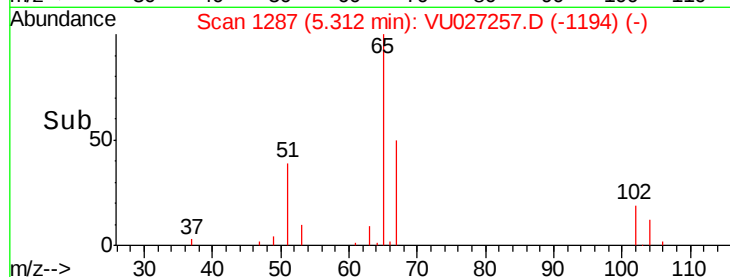
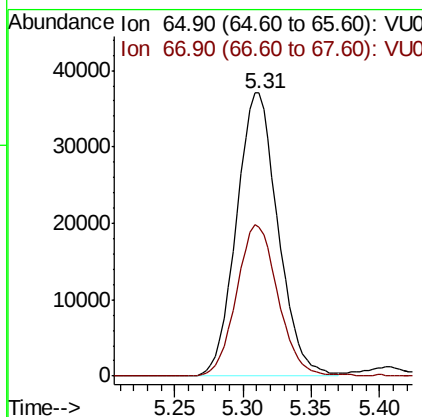
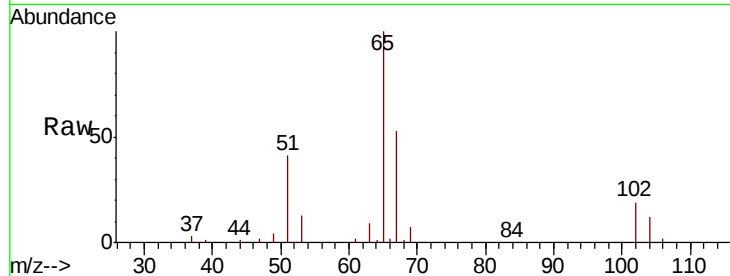
#33
 1,2-Dichloroethane-d4
 Concen: 46.648 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion: 65 Resp: 78213
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.6

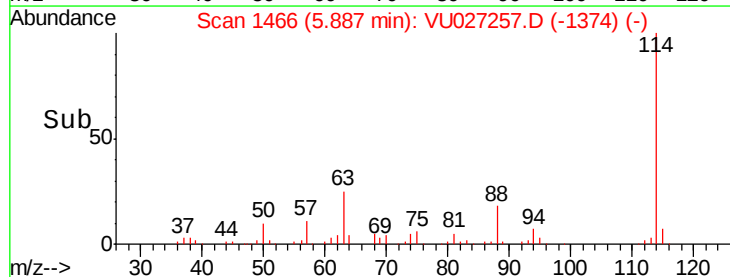
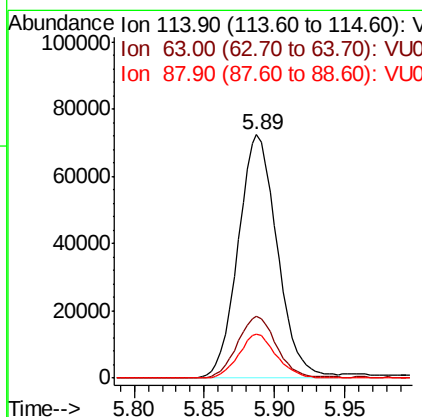
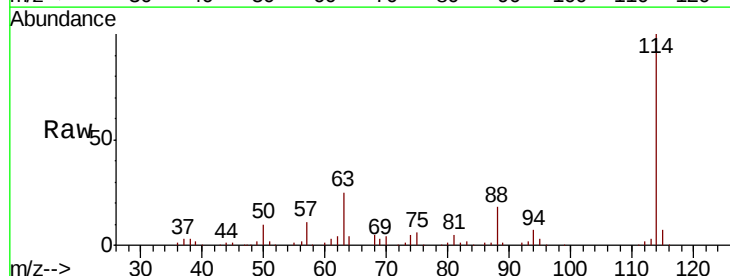
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion: 114 Resp: 140916
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 18.2 0.0 33.8





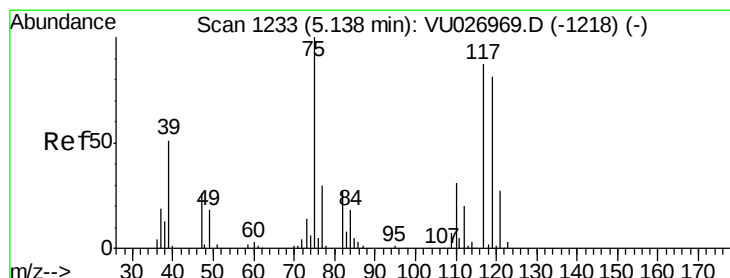
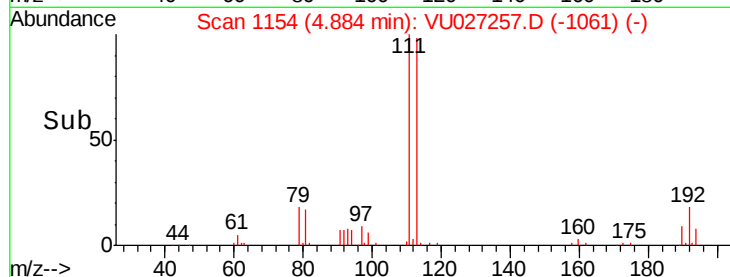
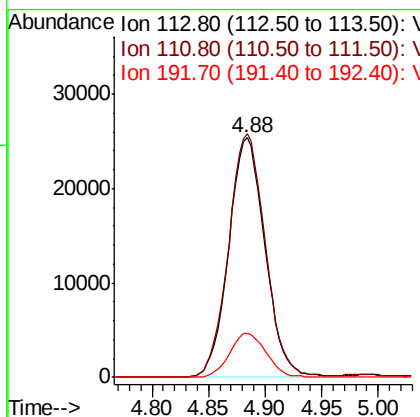
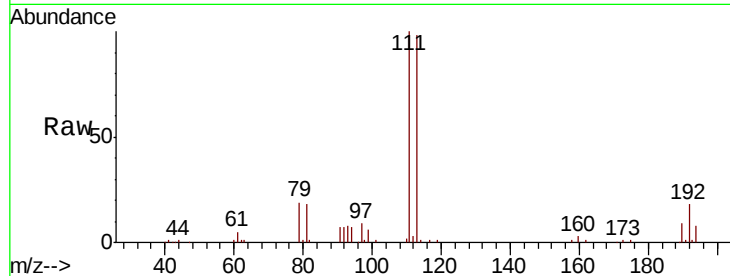
#35
 Dibromofluoromethane
 Concen: 46.571 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.2	123.4	
192	18.4	15.2	22.8	

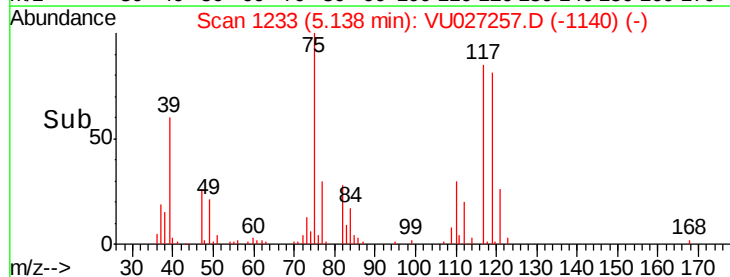
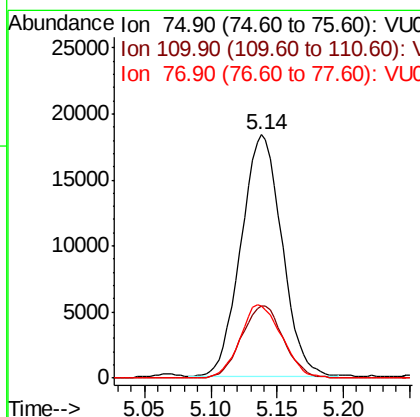
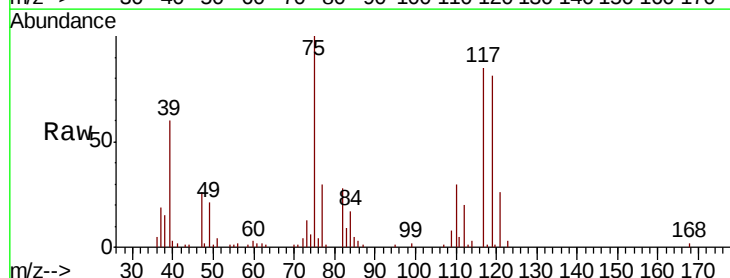
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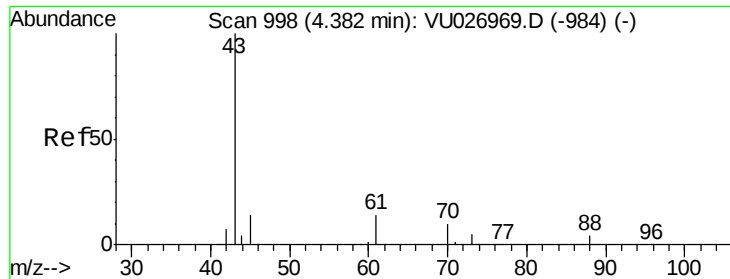
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#36
 1,1-Dichloropropene
 Concen: 20.820 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.8	16.1	48.2	
77	31.4	24.6	36.8	





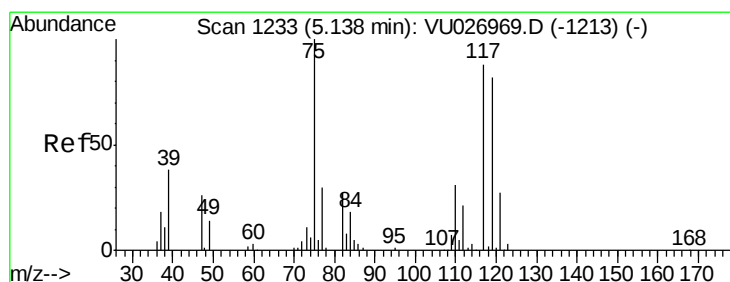
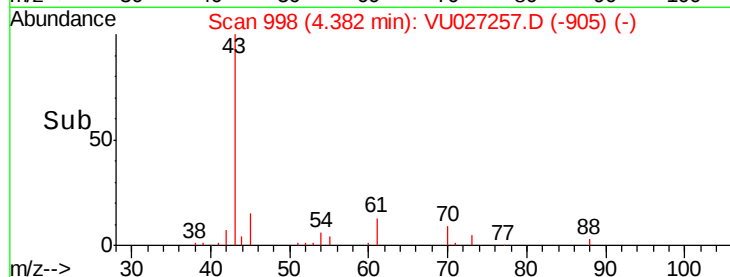
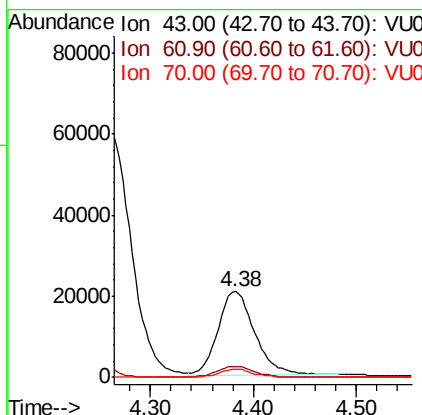
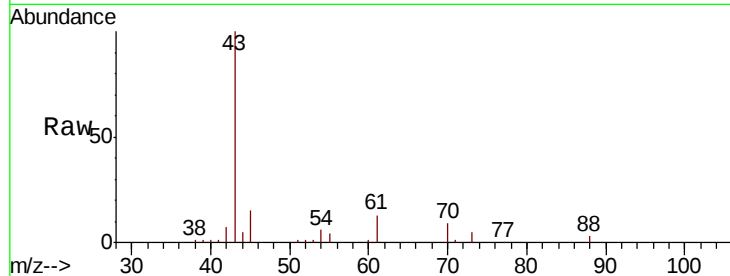
#37
Ethyl Acetate
Concen: 20.535 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.5	15.7
70	8.6	7.4	11.0

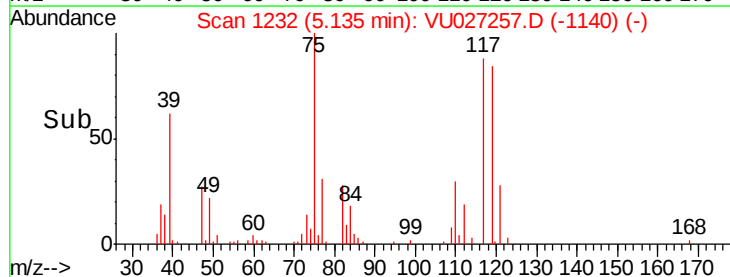
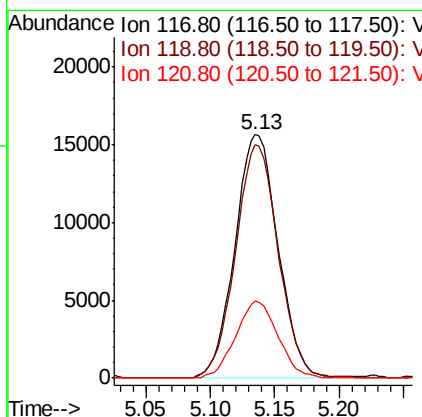
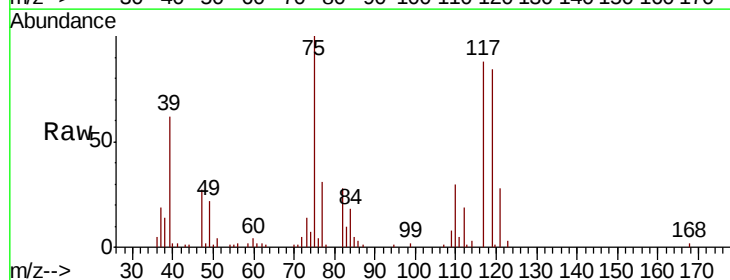
Manual Integrations
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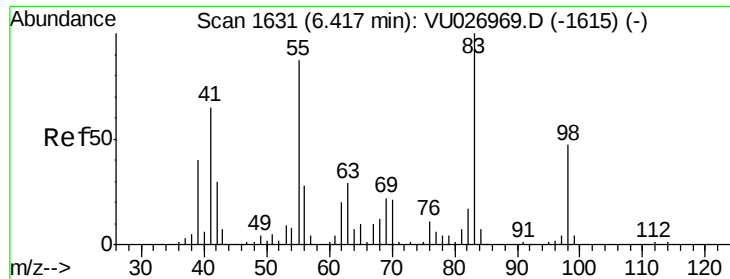
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#38
Carbon Tetrachloride
Concen: 20.352 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	74.4	111.6
121	31.5	24.2	36.4





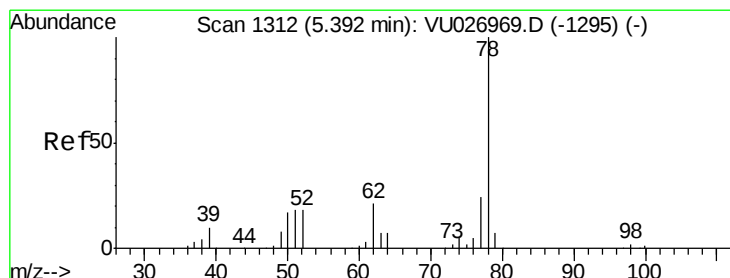
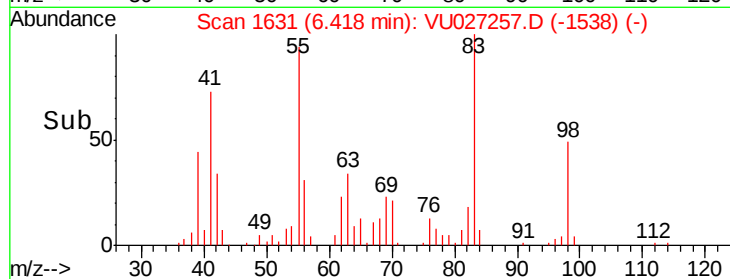
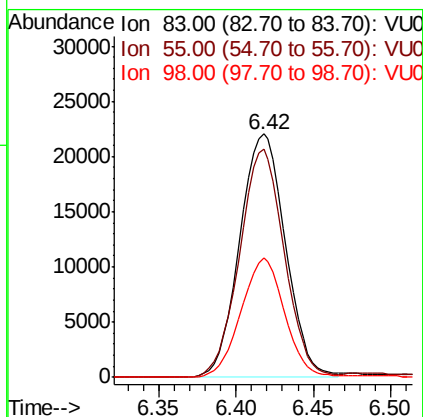
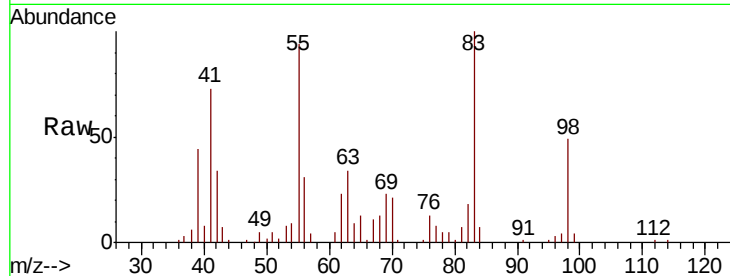
#39
Methvlcvclohexane
Concen: 22.217 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.5	69.9	104.9
98	48.9	37.5	56.3

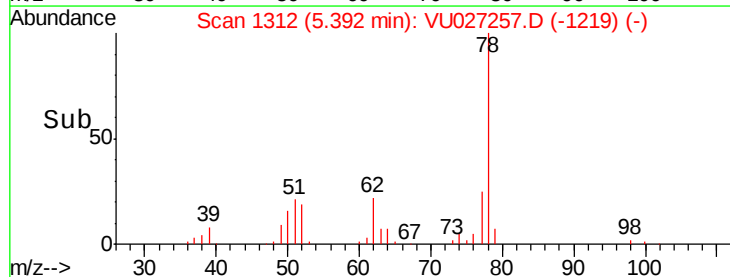
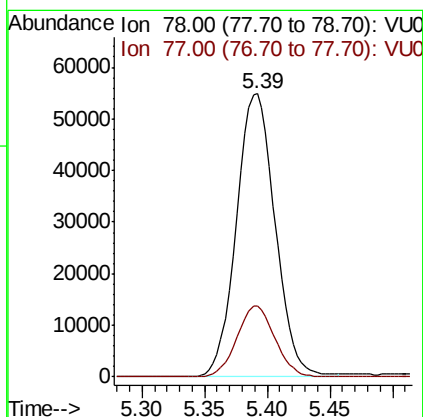
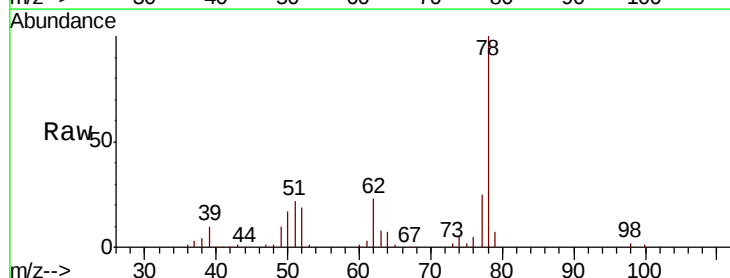
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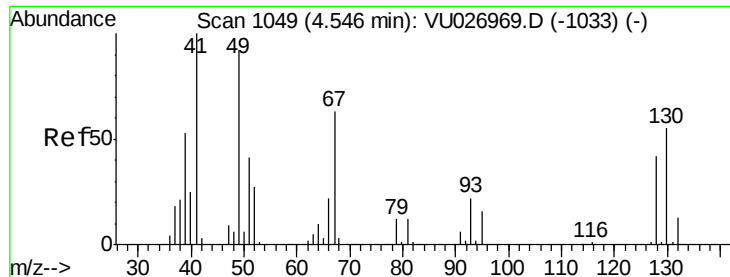
MMDadoda
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#40
Benzene
Concen: 20.591 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.4	29.0





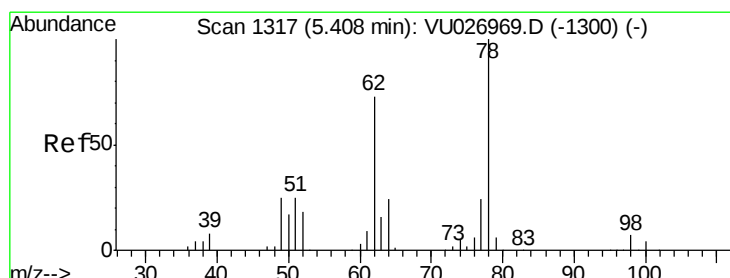
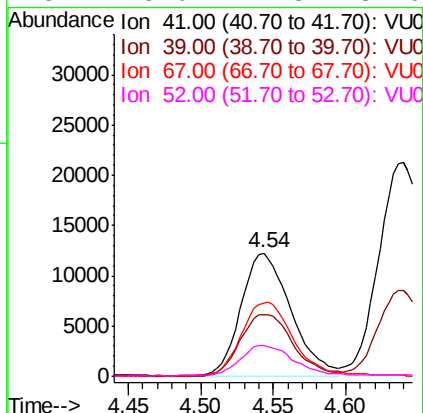
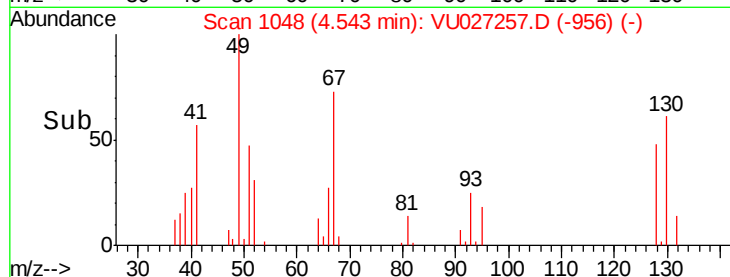
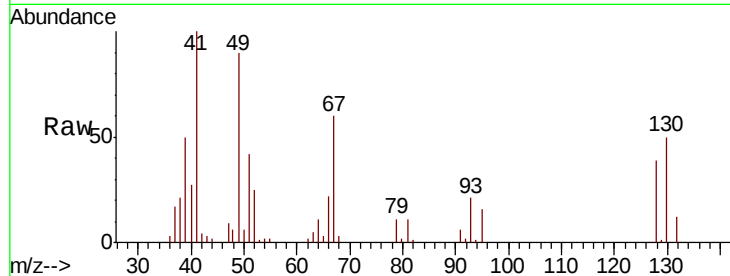
#41
Methacrylonitrile
Concen: 22.303 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	42.9	64.3	
67	62.4	52.4	78.6	
52	25.0	21.3	31.9	

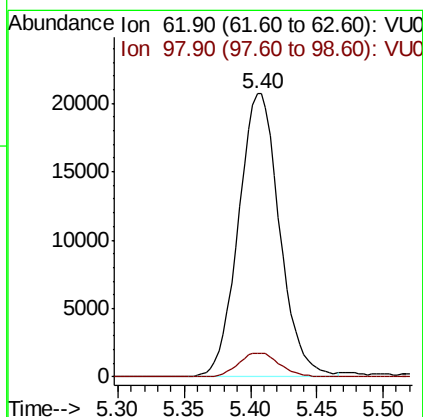
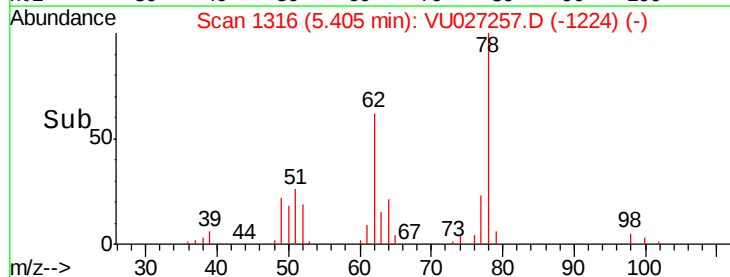
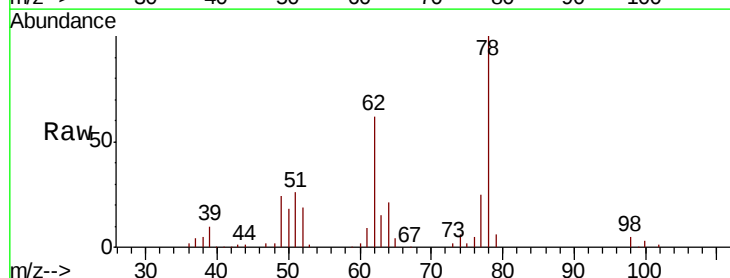
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 20.628 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.0	





#43

Isopropyl Acetate

Concen: 21.280 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

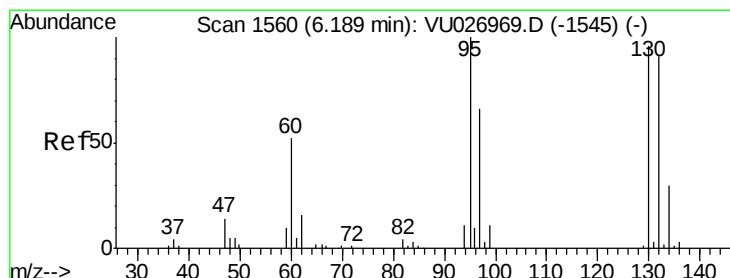
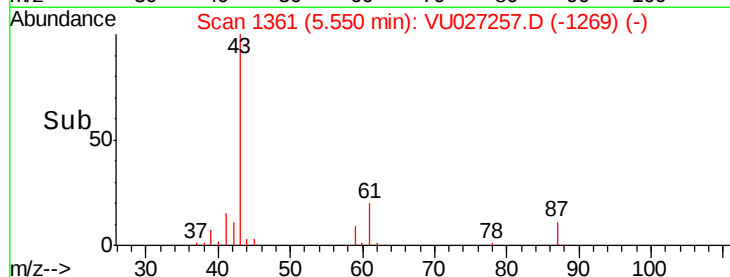
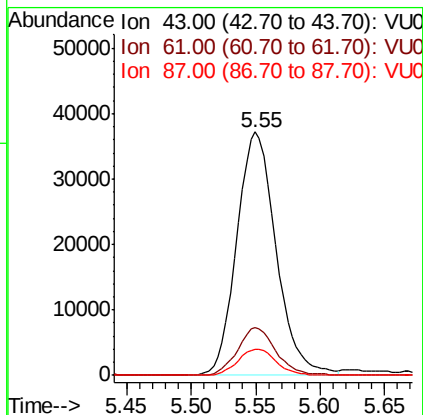
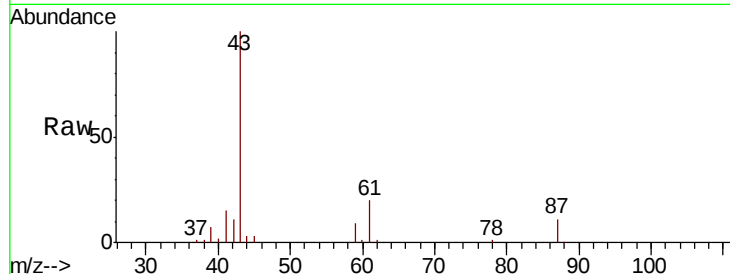
ClientSampleId :

VU0928WBS02

Tot Ion:	43	Resp:	79013
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.7	23.5
87	10.4	9.0	13.4

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#44

Trichloroethene

Concen: 20.781 ug/l

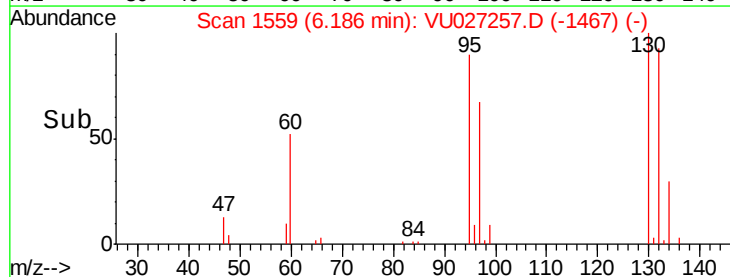
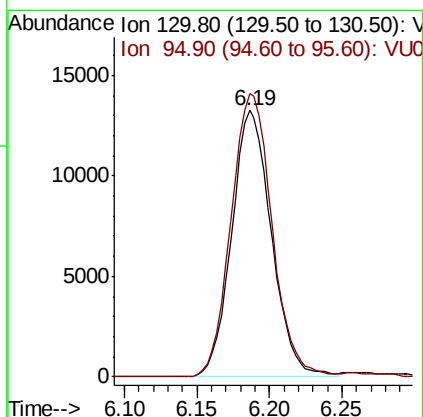
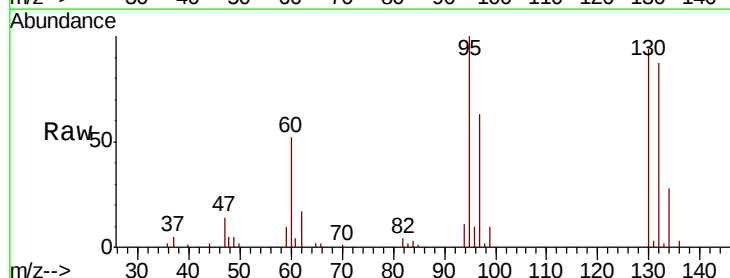
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Tgt Ion:	130	Resp:	25294
Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	208.8





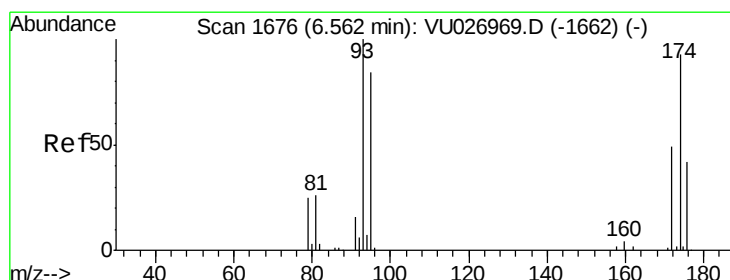
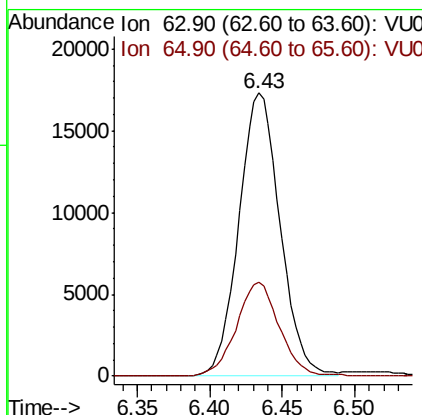
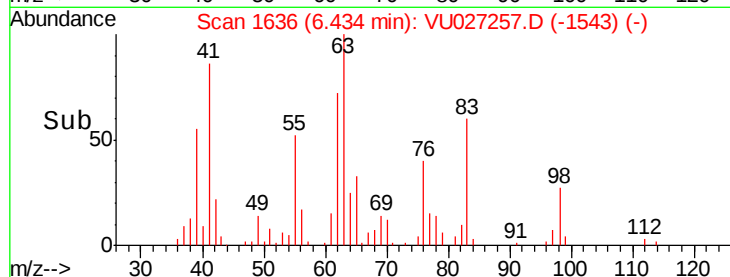
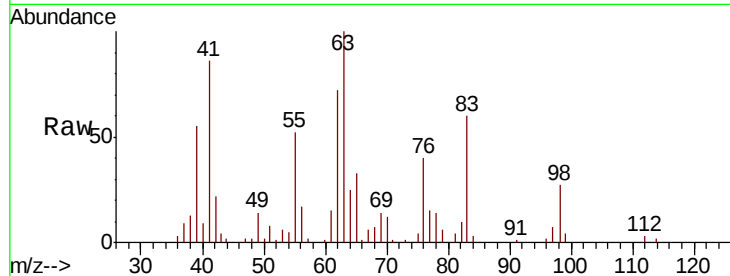
#45
 1,2-Dichloropropane
 Concen: 21.018 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion: 63 Resp: 34240
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.3 36.5

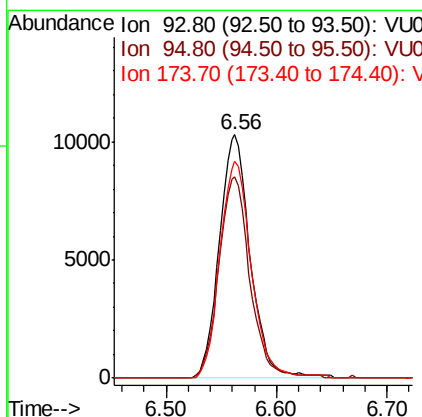
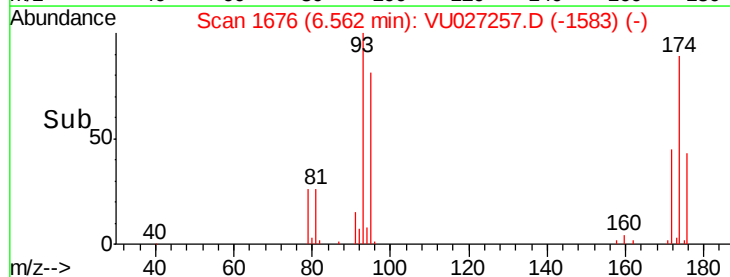
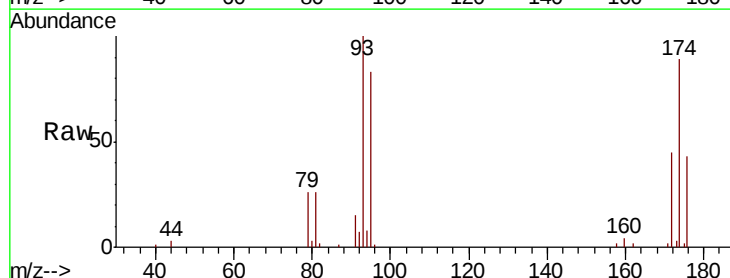
Manual Integrations
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#46
 Dibromomethane
 Concen: 20.386 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion: 93 Resp: 20057
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.2 99.4
 174 89.7 71.7 107.5





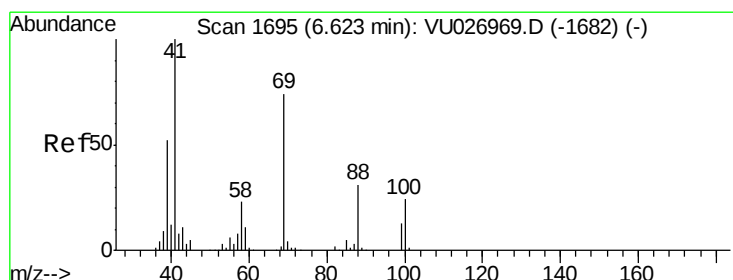
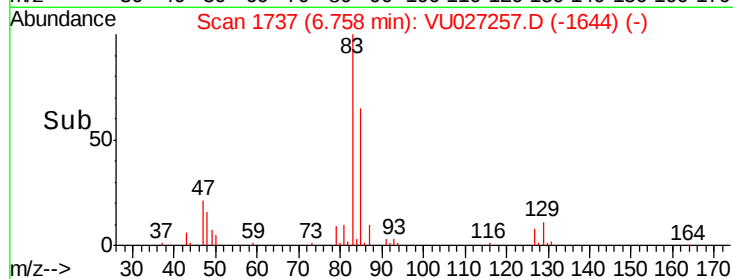
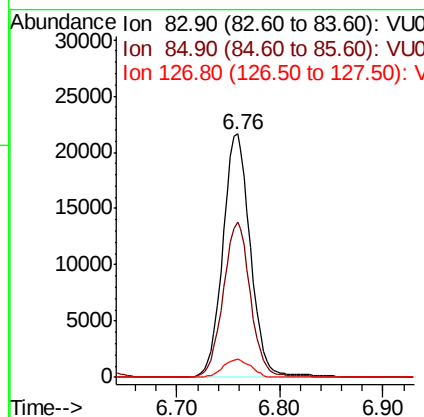
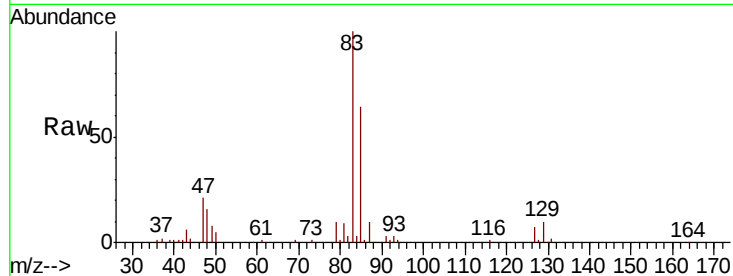
#47
Bromodichloromethane
Concen: 20.237 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion	83	Resp	40259
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	52.5	78.7
127	7.4	6.3	9.5

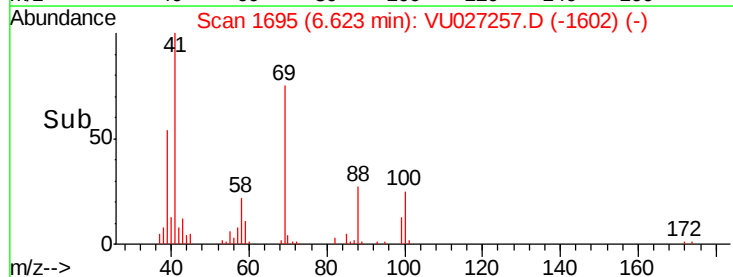
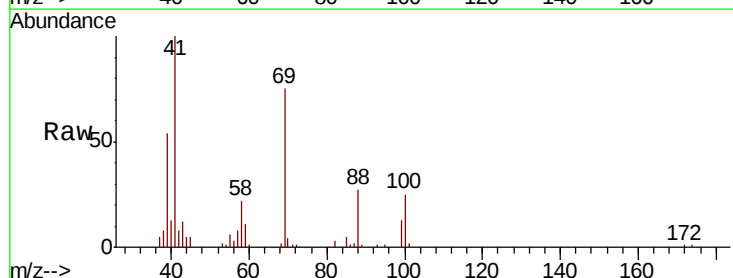
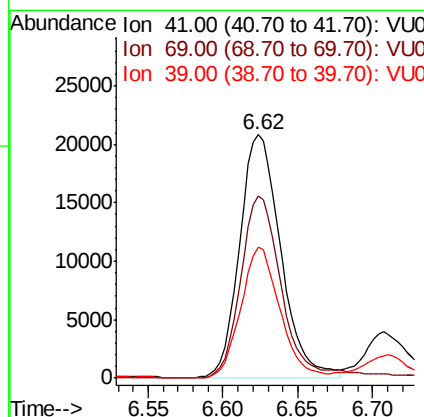
Manual Integrations
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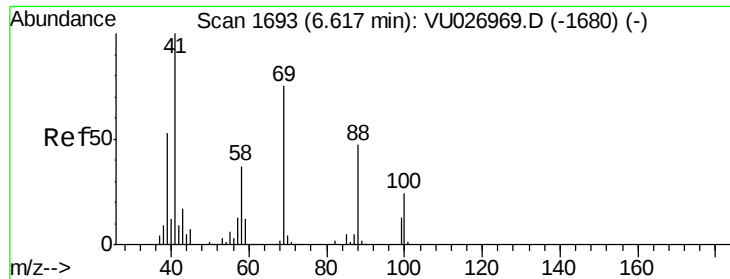
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#48
Methyl methacrylate
Concen: 20.408 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	41	Resp	40007
Ion Ratio	100	Lower	Upper
41	100		
69	75.8	60.6	90.8
39	51.1	42.8	64.2





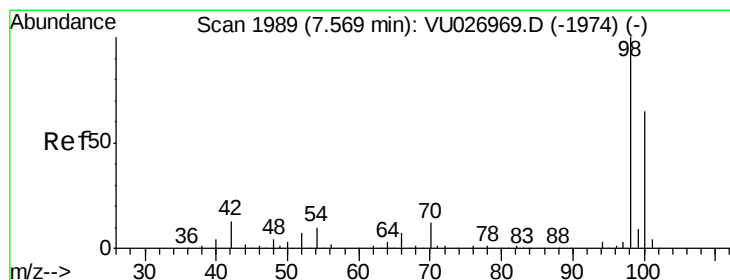
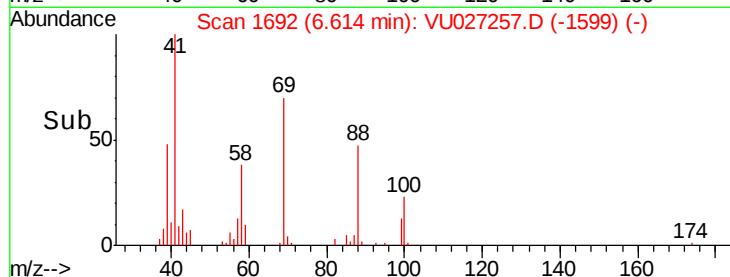
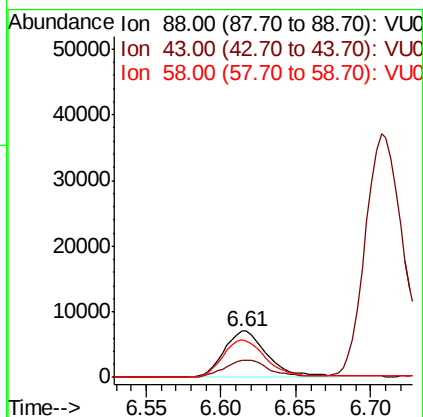
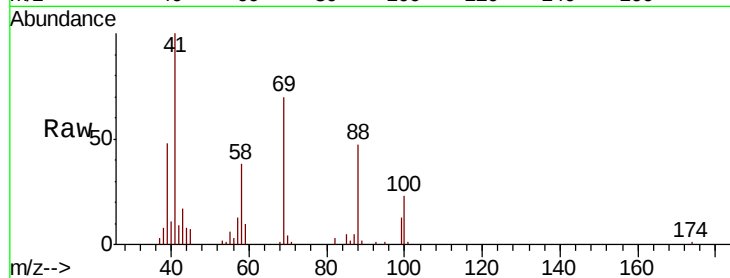
#49
1,4-Dioxane
Concen: 357.114 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	29.8	44.8
58	80.5	63.9	95.9

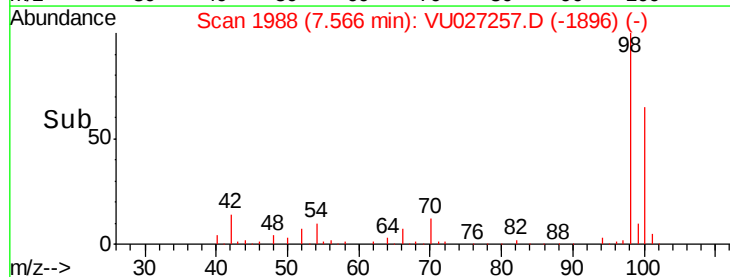
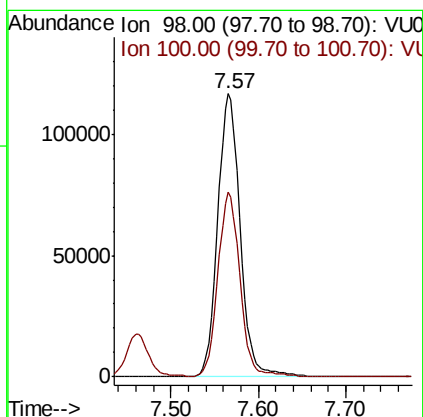
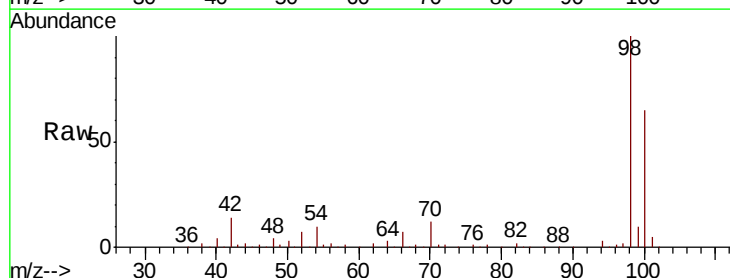
Manual Integrations
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#50
Toluene-d8
Concen: 44.677 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 106.493 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

Tot Ion: 43 Resp: 265932

Ion Ratio Lower Upper

43 100

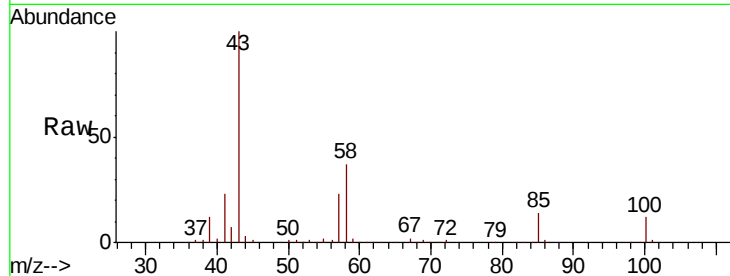
58 37.0 29.8 44.6

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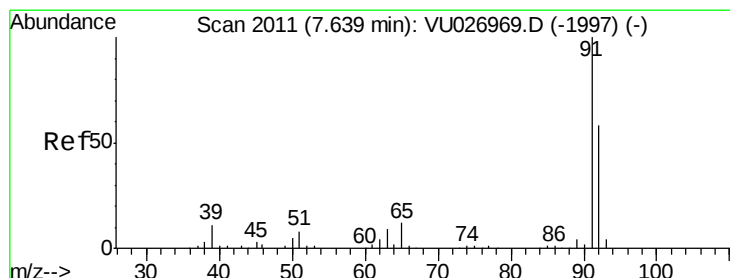
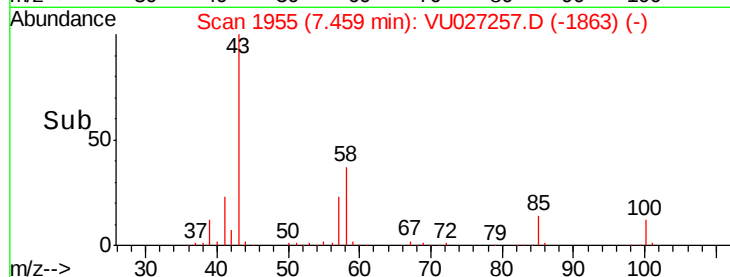
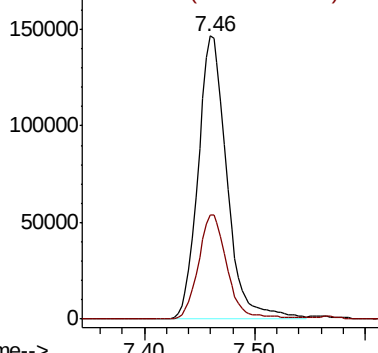
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 21.594 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027257.D

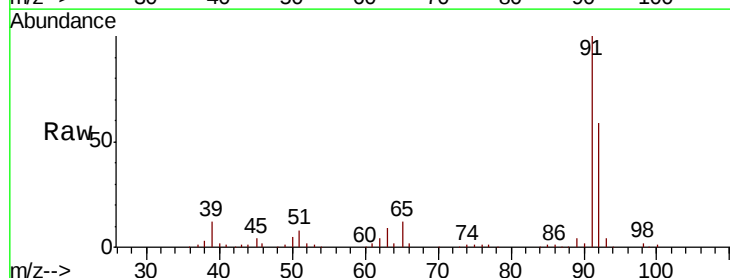
Acq: 28 Sep 2018 09:39

Tgt Ion: 92 Resp: 70767

Ion Ratio Lower Upper

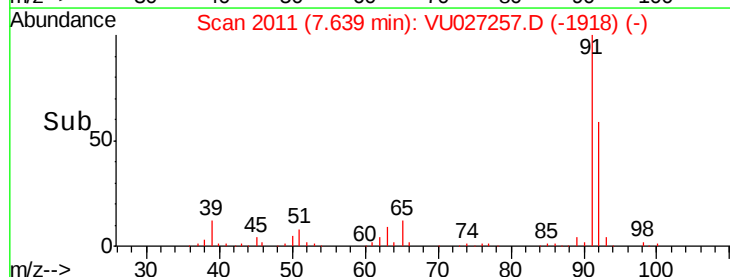
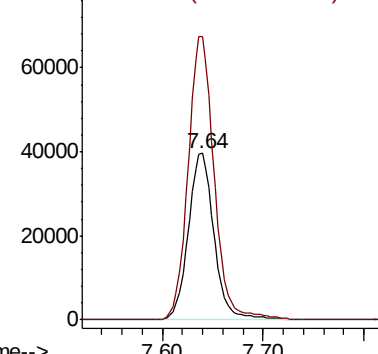
92 100

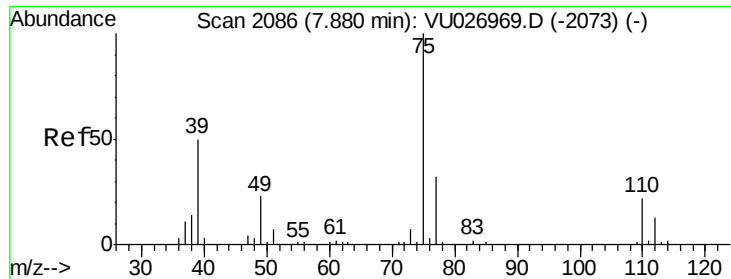
91 172.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





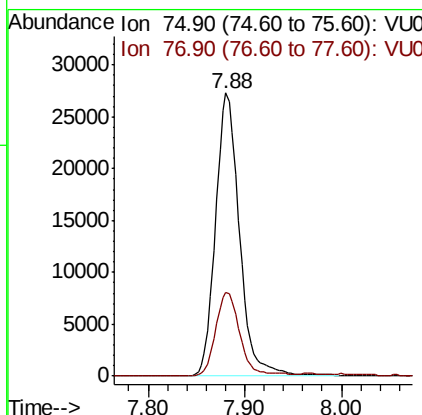
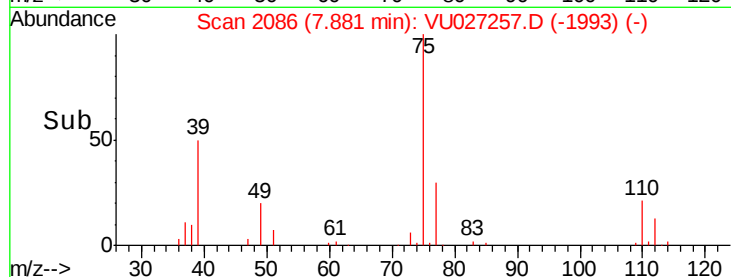
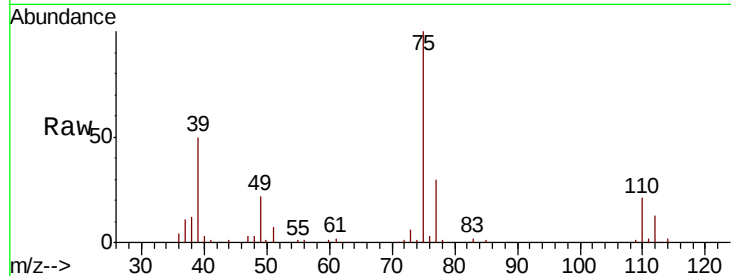
#53
t-1,3-Dichloropropene
Concen: 21.987 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion: 75 Resp: 46997
Ion Ratio Lower Upper
75 100
77 29.6 25.3 37.9

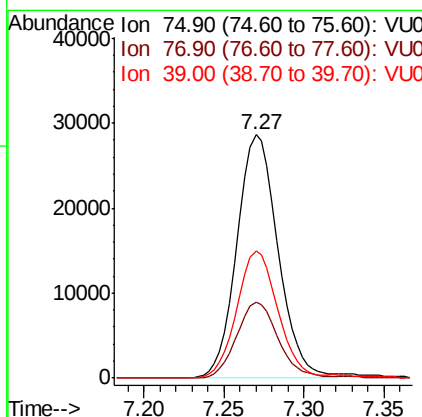
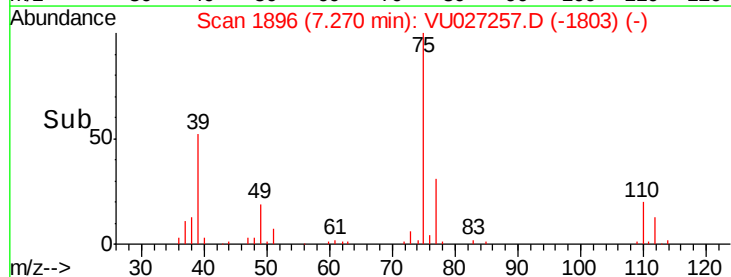
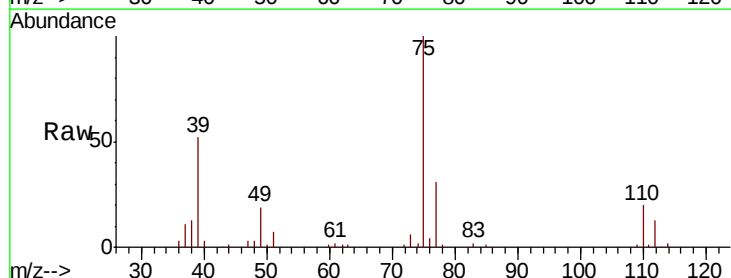
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#54
cis-1,3-Dichloropropene
Concen: 21.349 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 75 Resp: 50175
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0
39 52.4 41.6 62.4





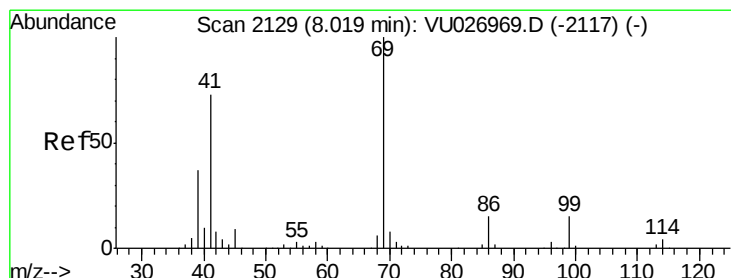
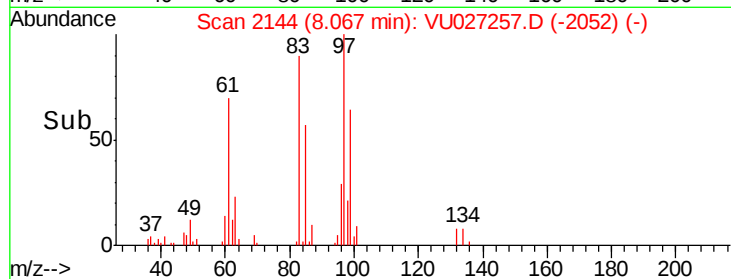
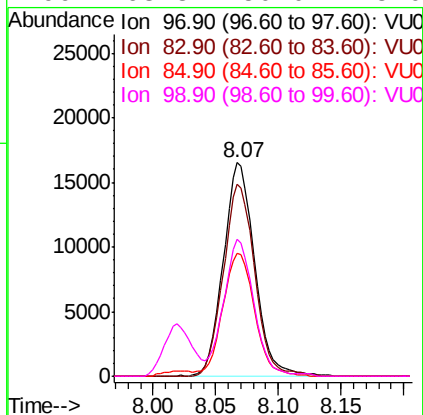
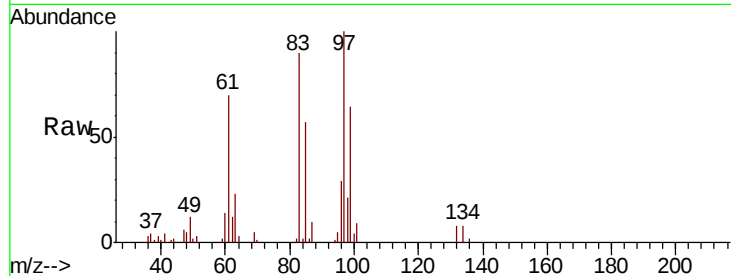
#55
 1,1,2-Trichloroethane
 Concen: 20.698 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion:	97	Resp:	28741
Ion	Ratio	Lower	Upper
97	100		
83	90.2	73.1	109.7
85	57.2	46.7	70.1
99	63.8	50.0	75.0

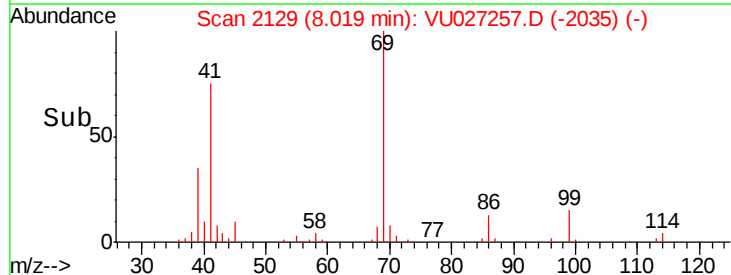
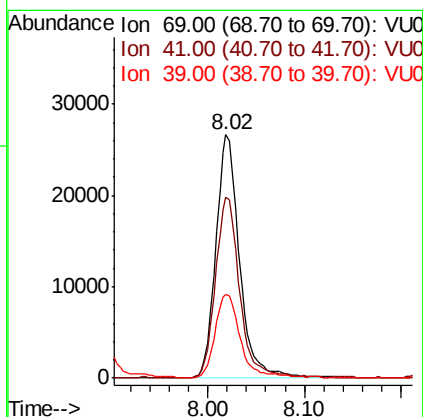
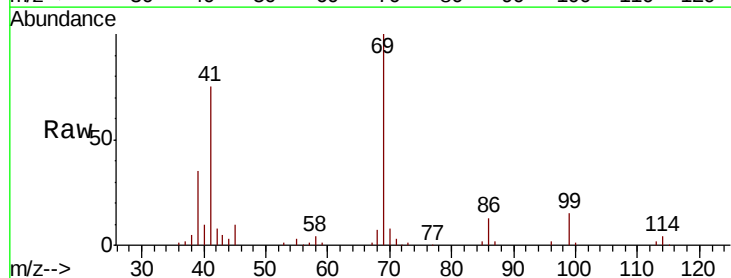
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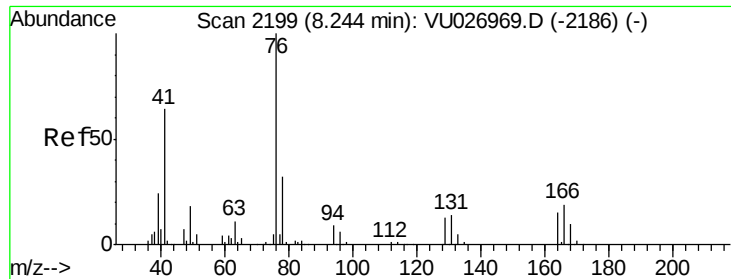
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#56
 Ethyl methacrylate
 Concen: 20.219 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion:	69	Resp:	45423
Ion	Ratio	Lower	Upper
69	100		
41	75.8	59.0	88.4
39	37.1	30.2	45.4





#57

1,3-Dichloropropane

Concen: 21.021 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

Tot Ion: 76 Resp: 54290

Ion Ratio Lower Upper

76 100

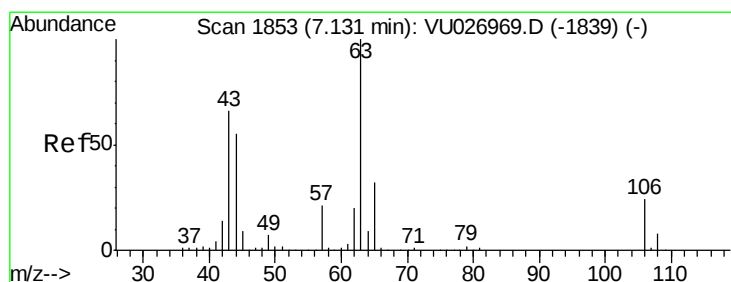
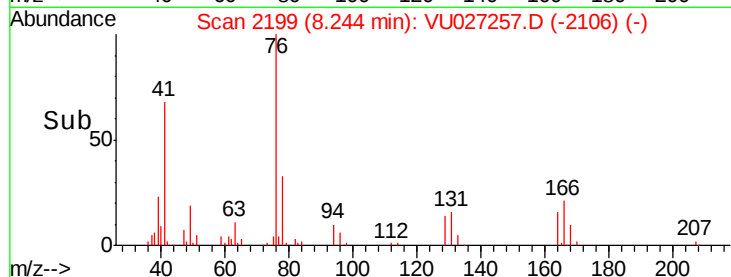
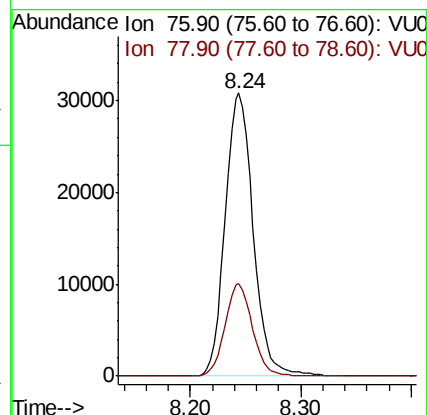
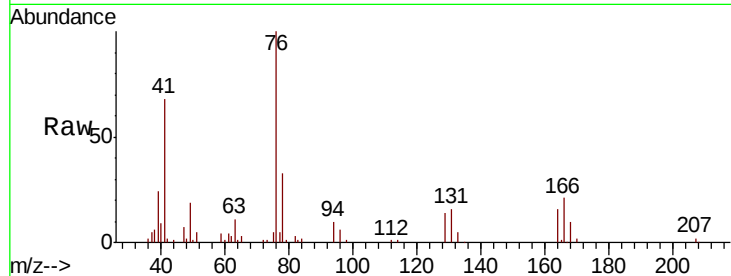
78 31.8 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 88.671 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027257.D

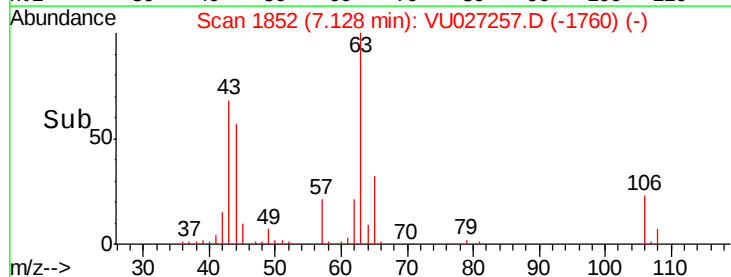
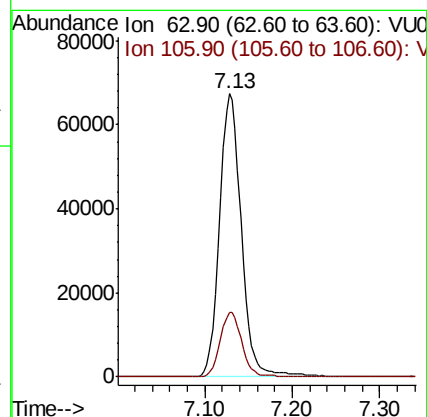
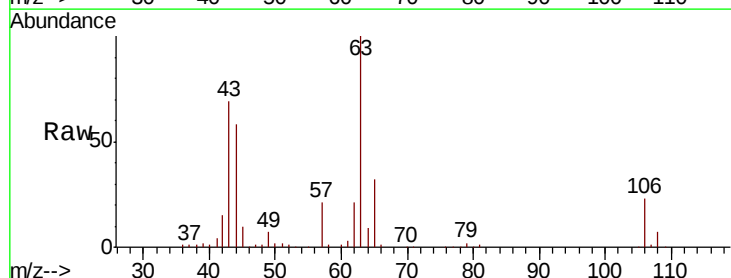
Acq: 28 Sep 2018 09:39

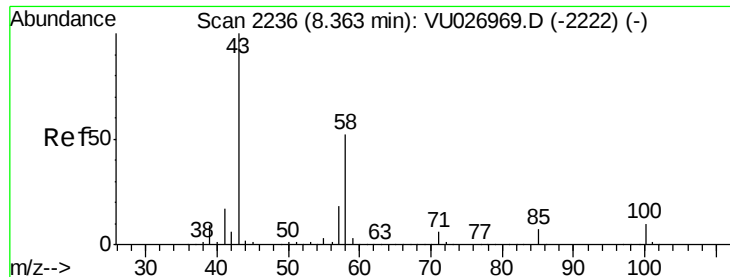
Tgt Ion: 63 Resp: 116871

Ion Ratio Lower Upper

63 100

106 22.7 18.7 28.1





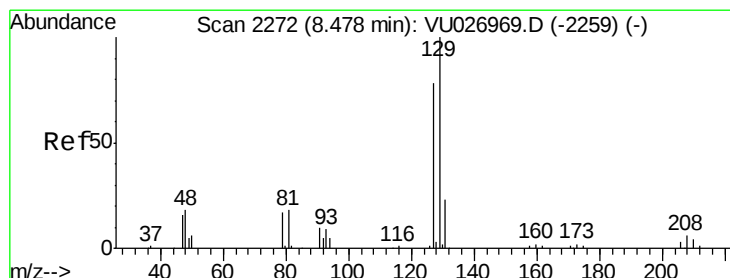
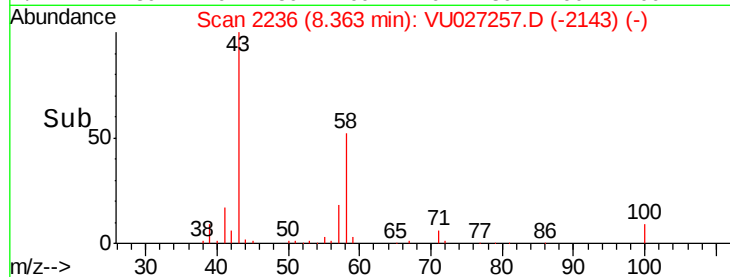
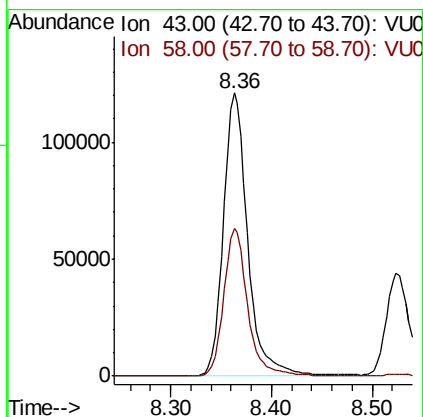
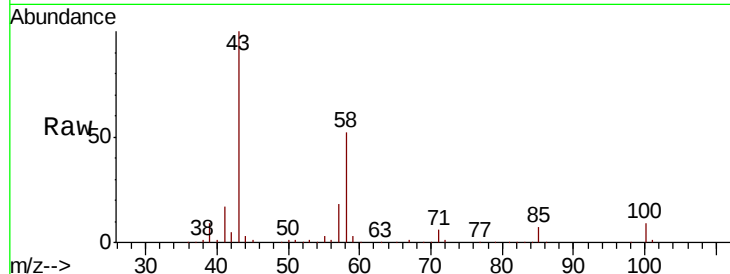
#59
2-Hexanone
Concen: 104.378 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion: 43 Resp: 204032
Ion Ratio Lower Upper
43 100
58 51.5 26.1 78.2

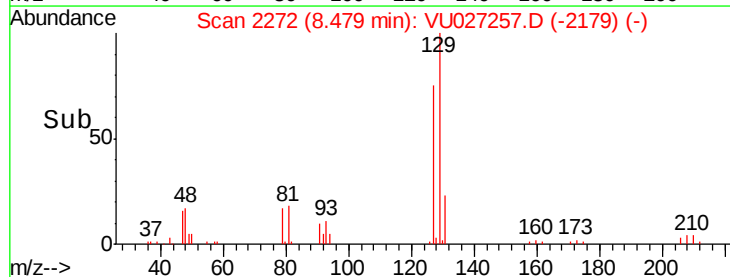
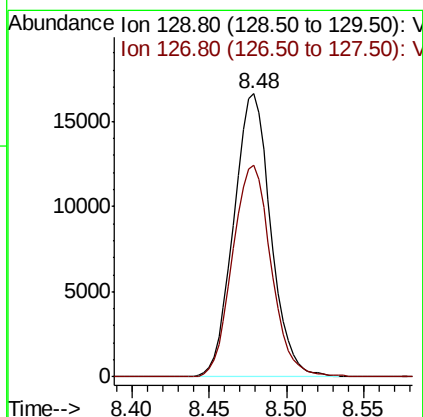
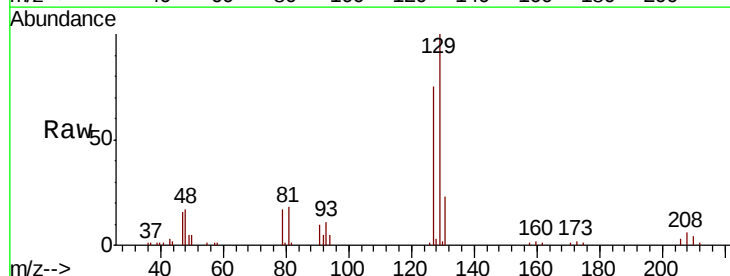
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#60
Dibromochloromethane
Concen: 20.376 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 129 Resp: 27753
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.5





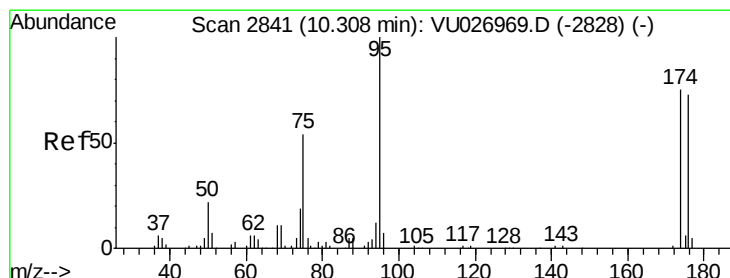
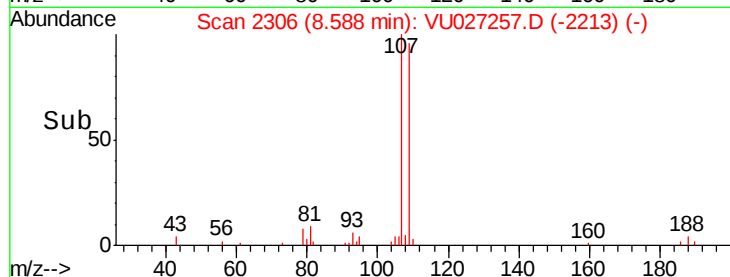
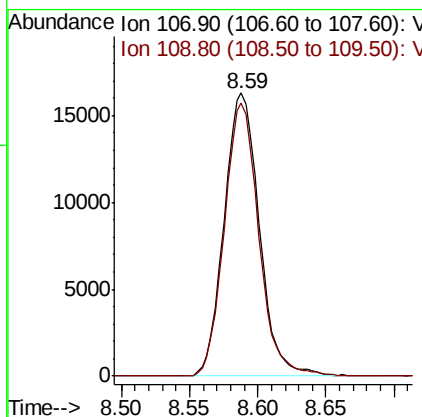
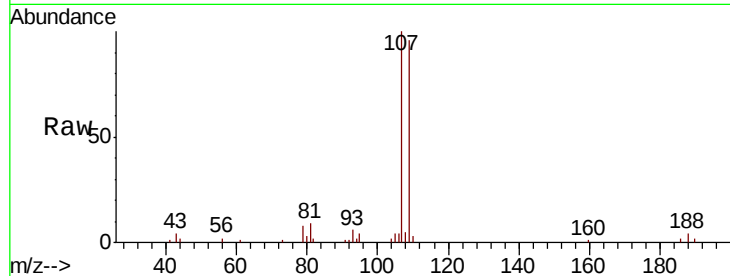
#61
 1,2-Dibromoethane
 Concen: 20.177 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.0	112.6

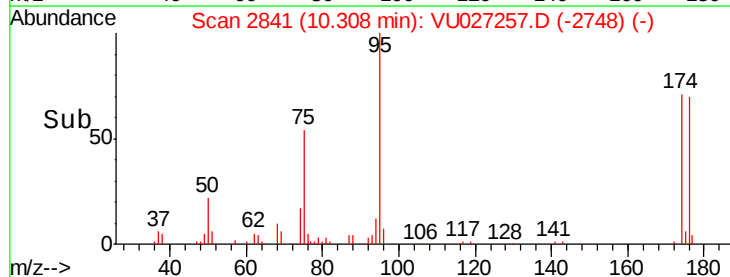
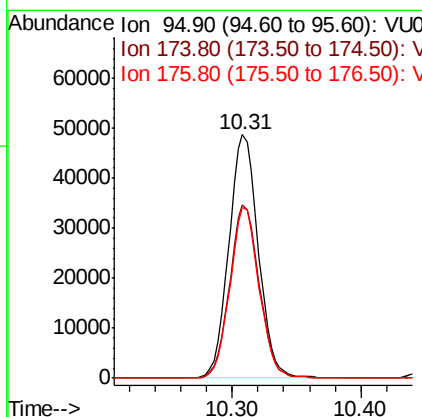
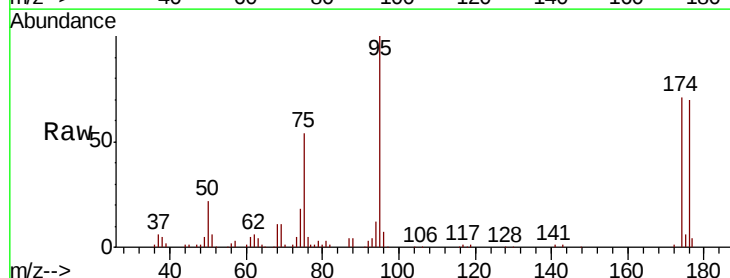
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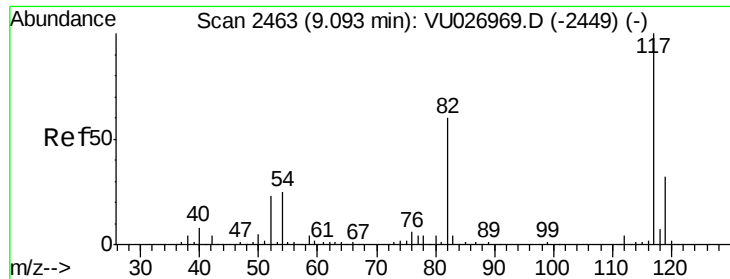
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#62
 4-Bromofluorobenzene
 Concen: 48.247 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	150.2
176	69.2	0.0	145.2





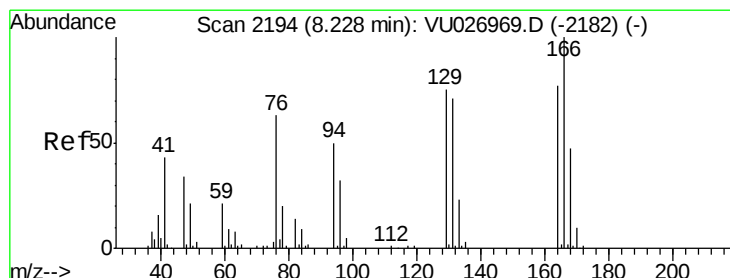
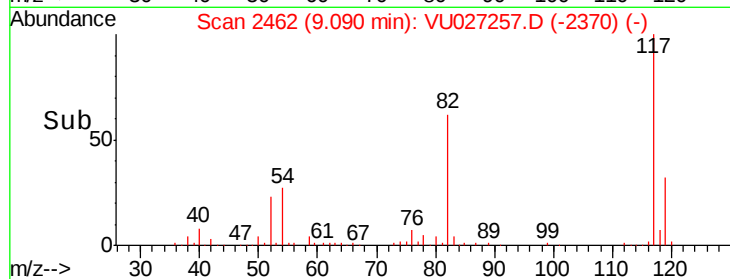
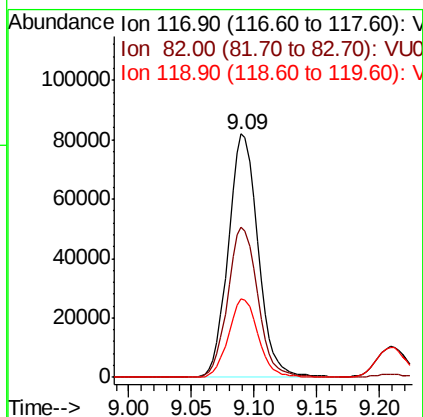
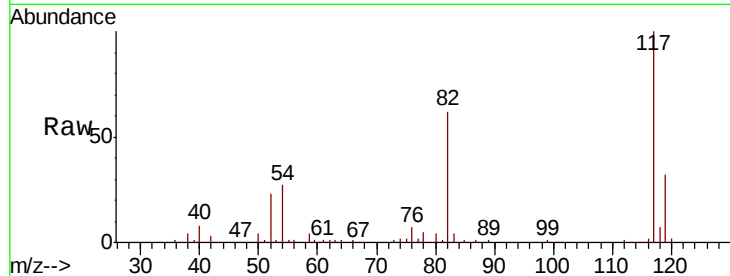
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	48.0	72.0
119	32.0	25.8	38.8

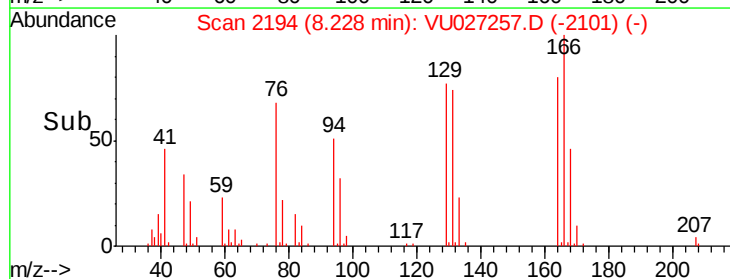
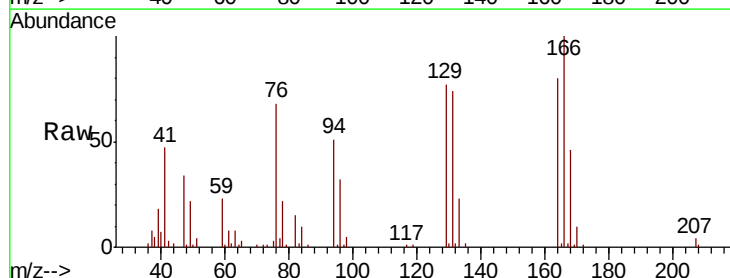
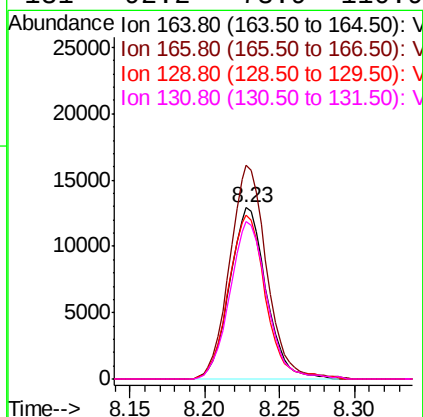
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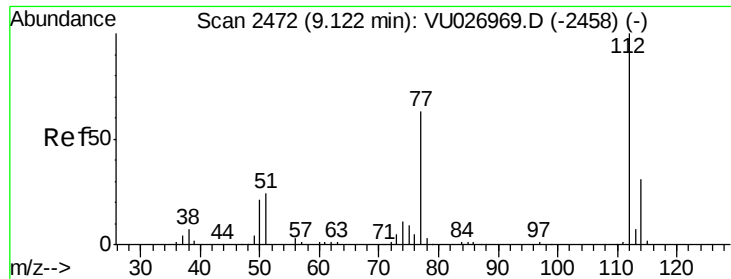
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#64
Tetrachloroethene
Concen: 21.112 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	104.4	156.6
129	96.0	78.7	118.1
131	92.2	73.9	110.9





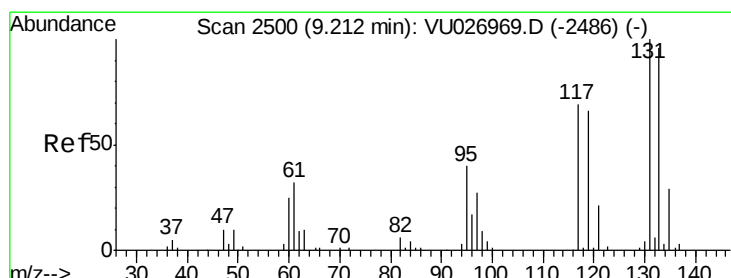
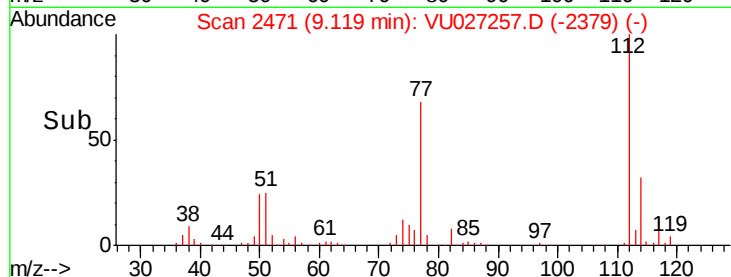
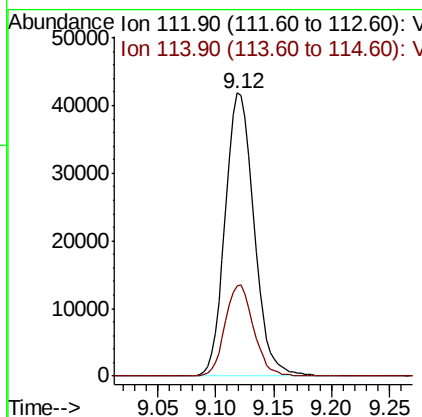
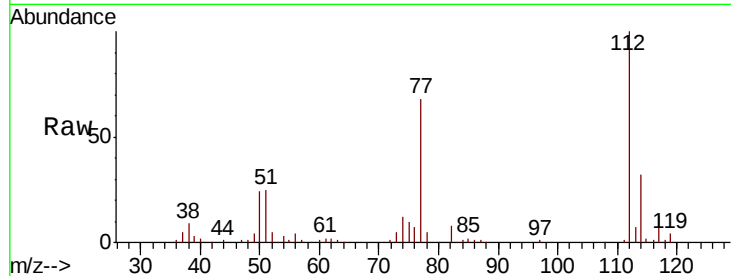
#65
Chlorobenzene
Concen: 20.106 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion:112 Resp: 72117
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.6

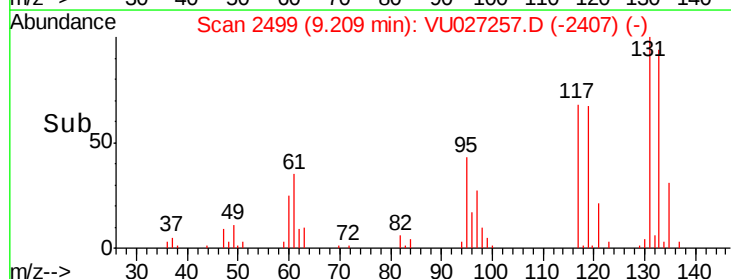
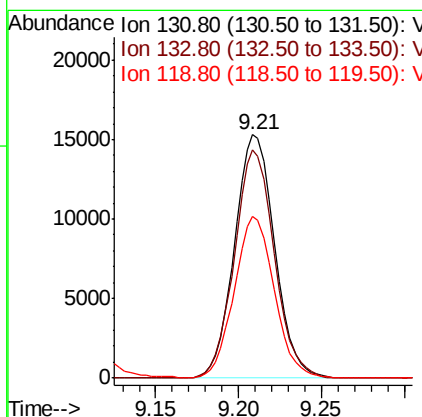
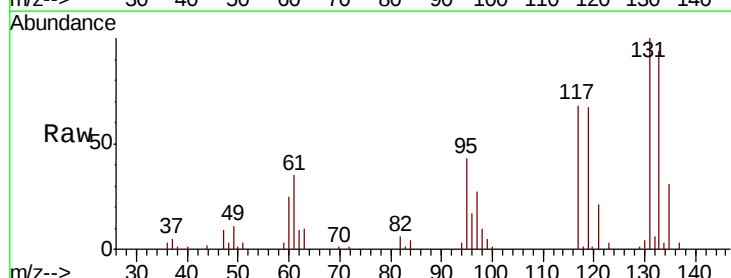
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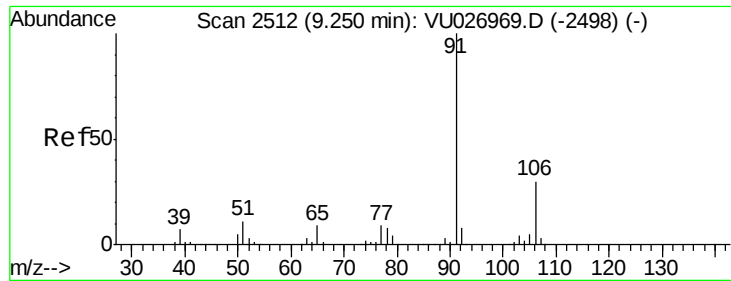
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.843 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion:131 Resp: 25750
Ion Ratio Lower Upper
131 100
133 93.2 48.0 144.2
119 66.2 33.4 100.1





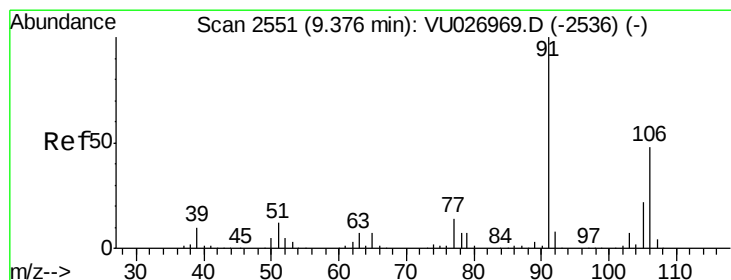
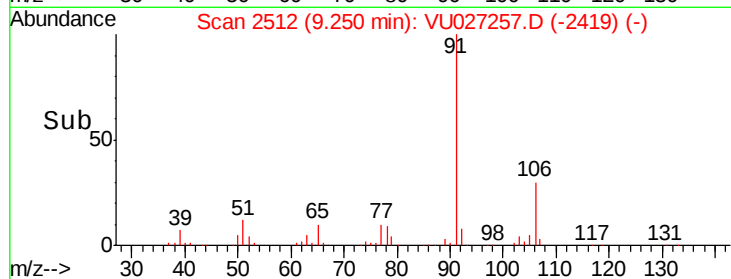
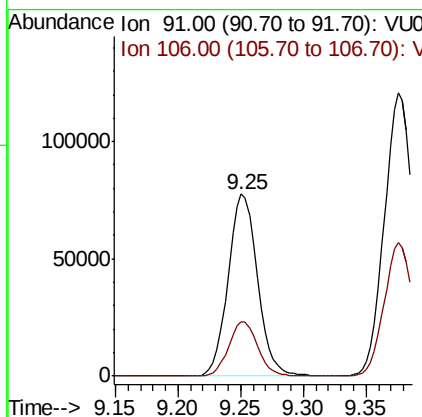
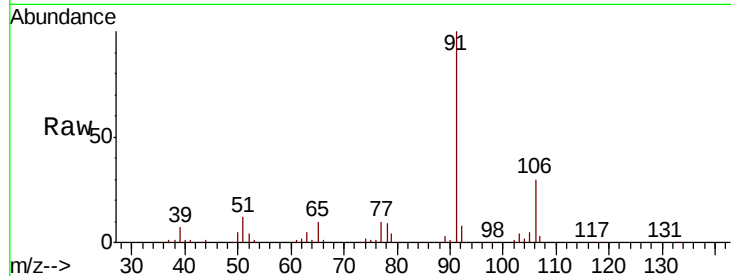
#67
Ethyl Benzene
Concen: 21.457 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion: 91 Resp: 126553
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.8

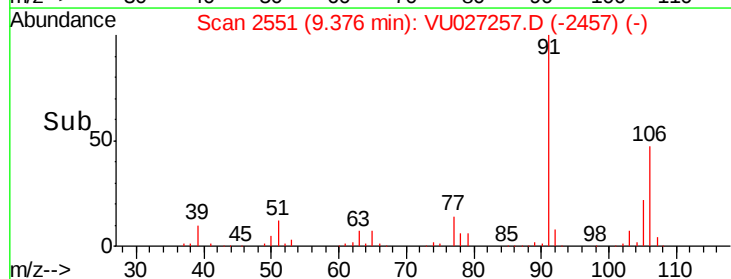
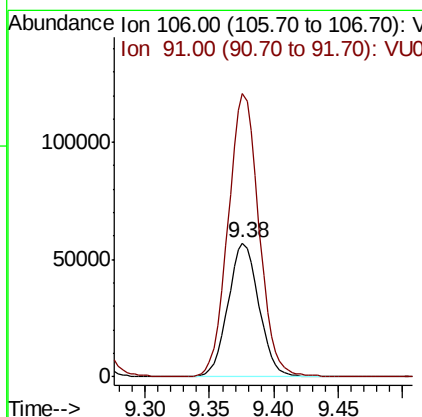
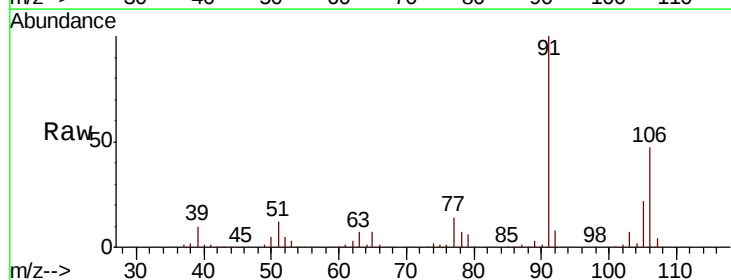
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#68
m/p-Xylenes
Concen: 40.654 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 106 Resp: 94949
Ion Ratio Lower Upper
106 100
91 211.4 166.5 249.7





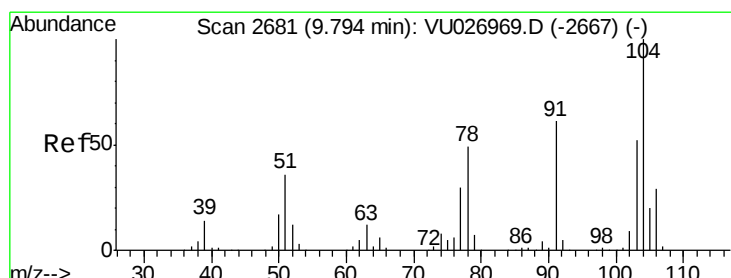
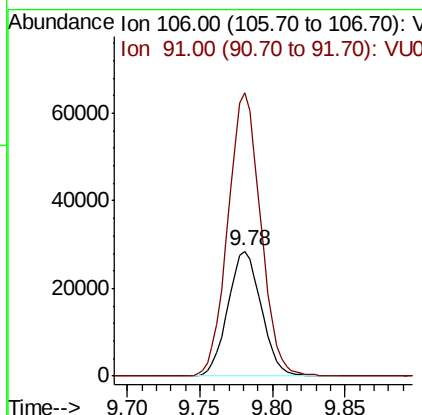
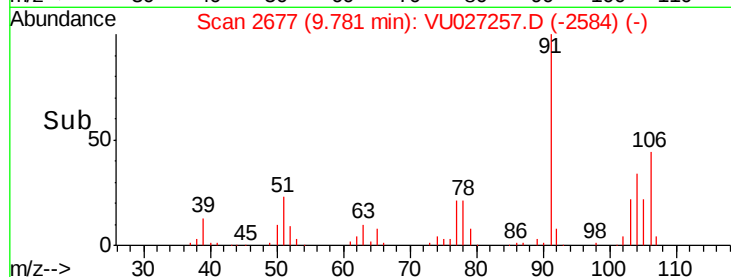
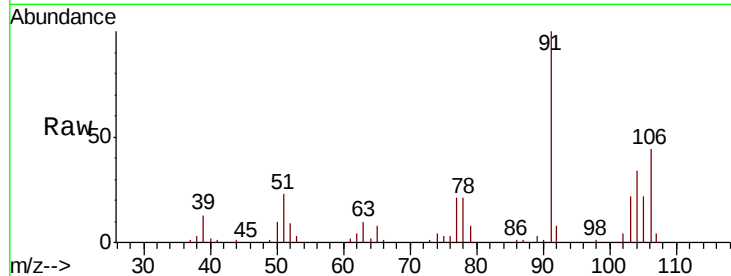
#69
o-Xylene
Concen: 21.818 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion:106 Resp: 45595
Ion Ratio Lower Upper
106 100
91 222.6 110.2 330.6

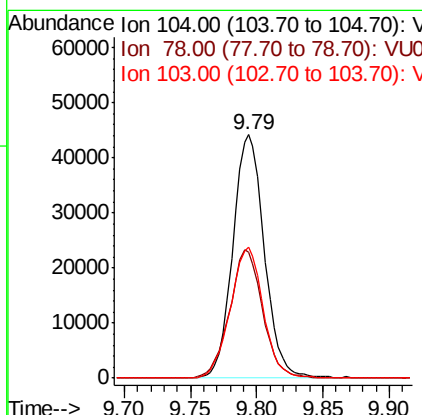
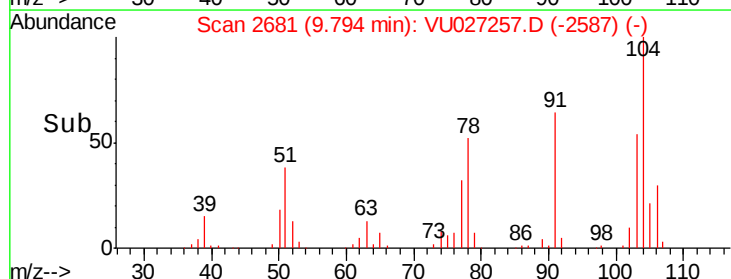
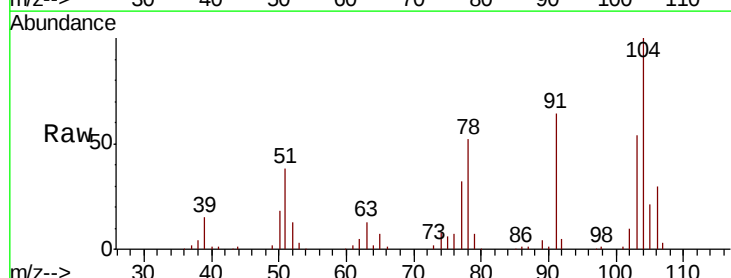
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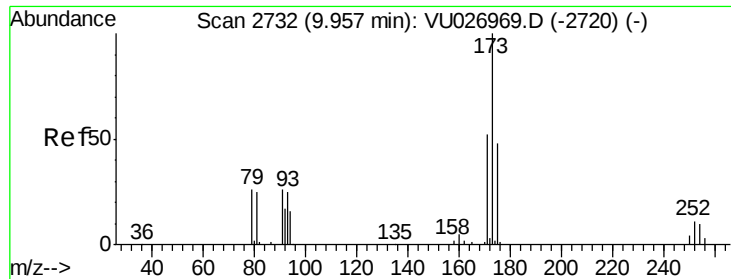
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#70
Styrene
Concen: 19.852 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion:104 Resp: 73042
Ion Ratio Lower Upper
104 100
78 55.3 43.0 64.4
103 56.2 44.1 66.1





#71

Bromoform

Concen: 20.585 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

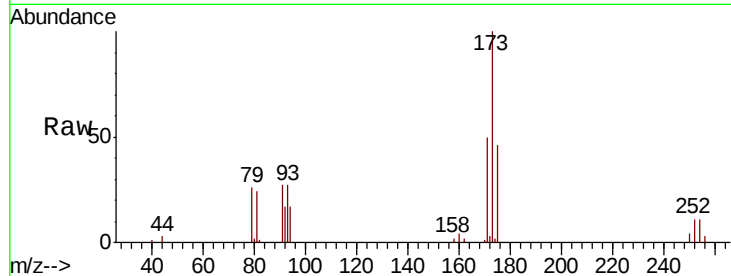
ClientSampleId :

VU0928WBS02

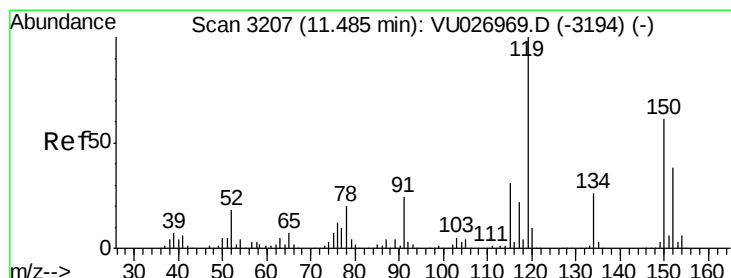
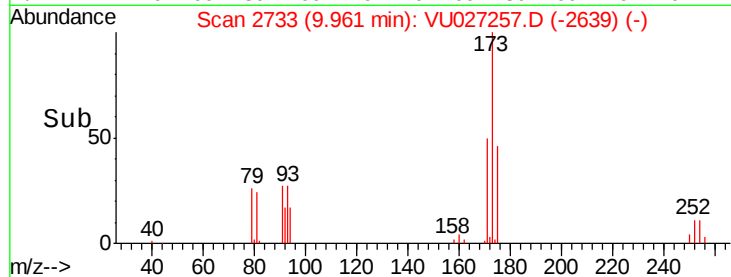
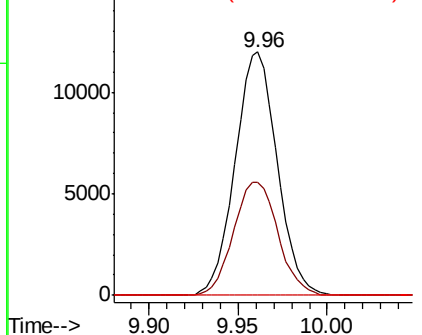
Tot Ion:	173	Resp:	19666
Ion Ratio	Lower	Upper	
173	100		
175	49.0	23.9	71.8
254	0.0	0.0	0.0

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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: 50.000 ug/l

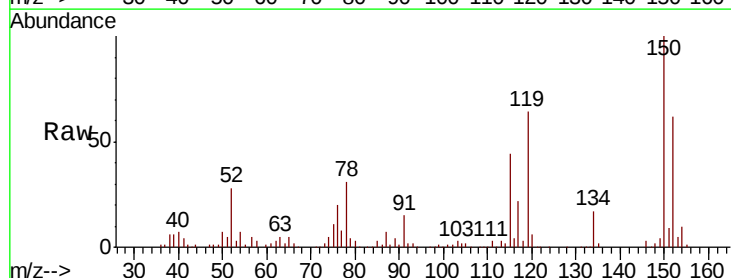
RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

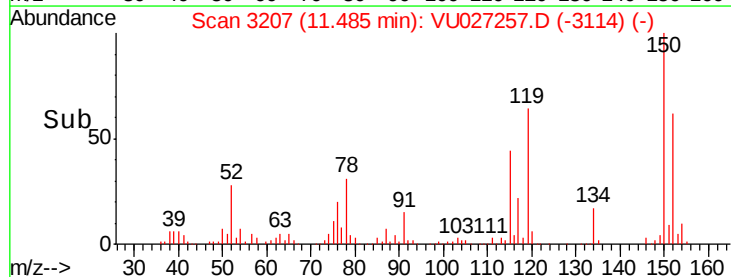
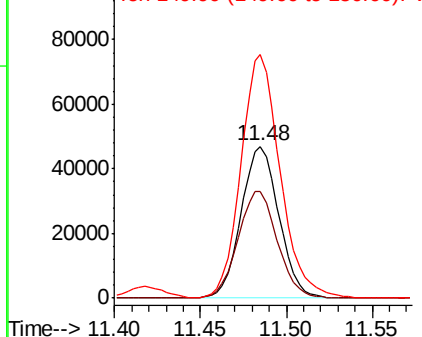
Lab File: VU027257.D

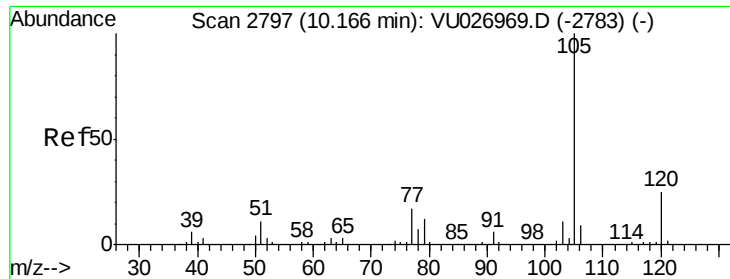
Acq: 28 Sep 2018 09:39

Tgt Ion:	152	Resp:	71522
Ion Ratio	Lower	Upper	
152	100		
115	73.9	44.9	134.5
150	167.1	0.0	355.8



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: 23.003 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

Tot Ion: 105 Resp: 125148

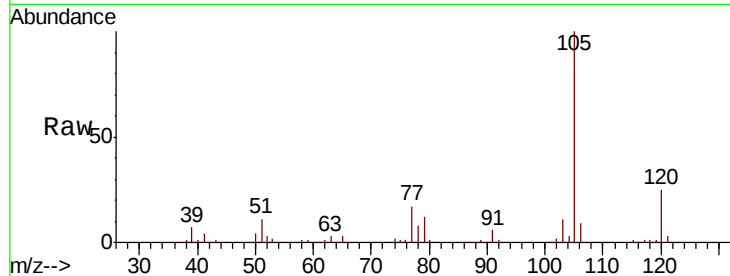
Ion Ratio Lower Upper

105 100

120 24.2 12.8 38.4

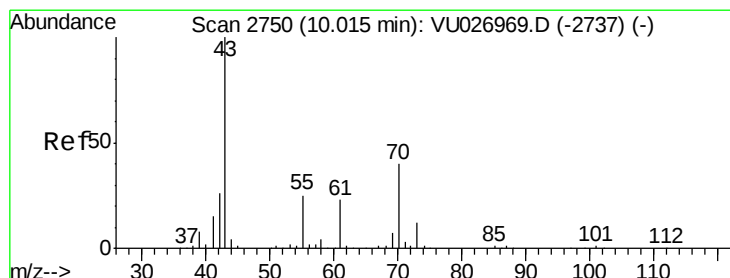
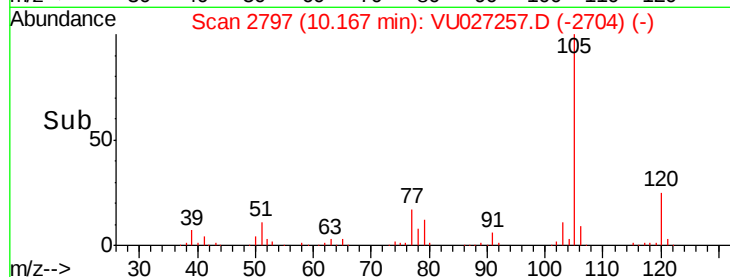
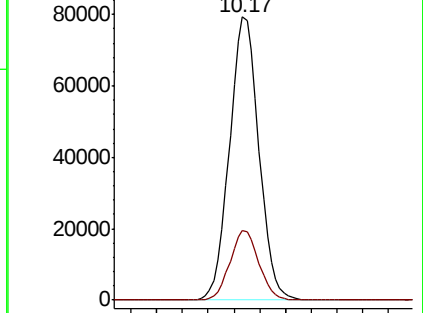
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.578 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Tgt Ion: 43 Resp: 67954

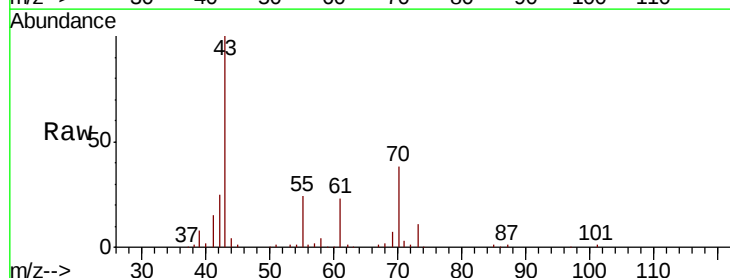
Ion Ratio Lower Upper

43 100

70 38.3 31.8 47.8

55 24.4 19.9 29.9

61 22.8 18.4 27.6

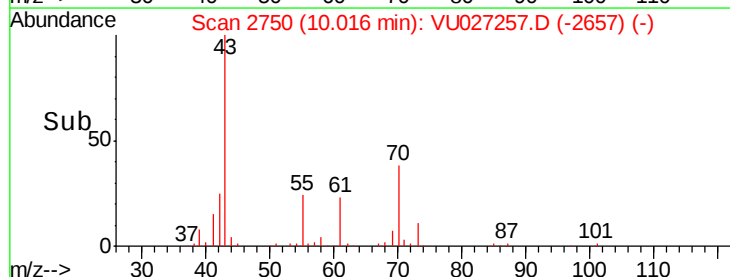
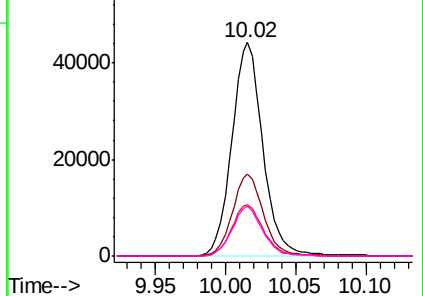


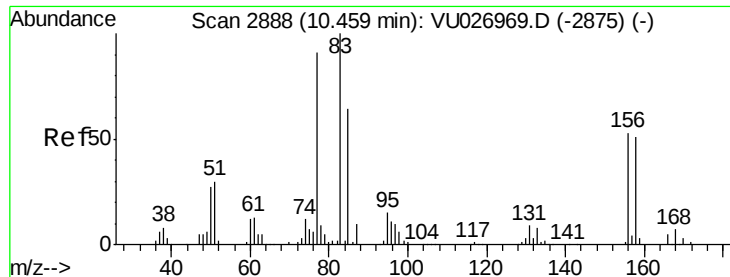
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.516 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

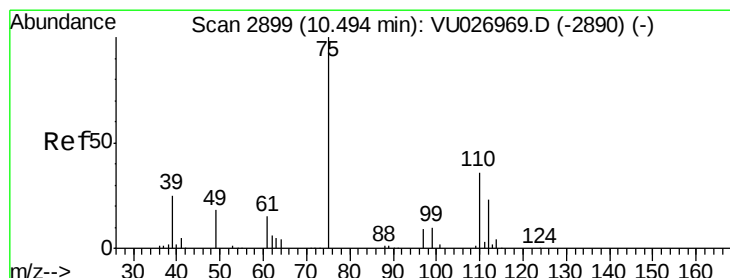
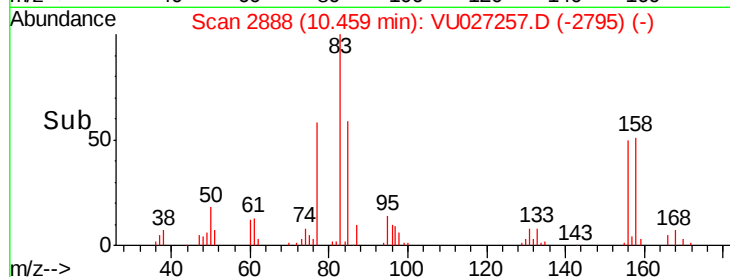
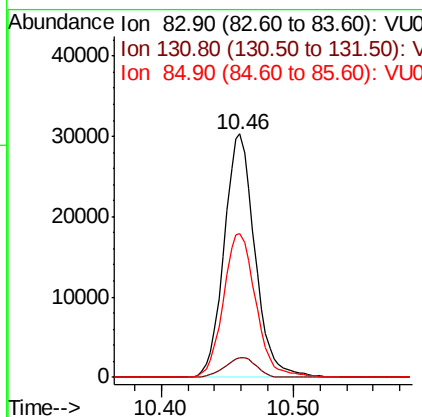
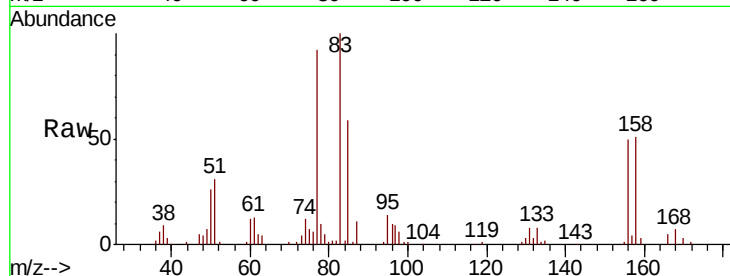
ClientSampleId :

VU0928WBS02

Tot Ion:	83	Resp:	48818
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.3	12.8
85	62.3	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 20.200 ug/l m

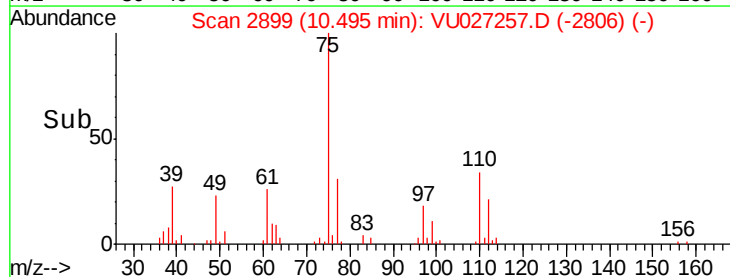
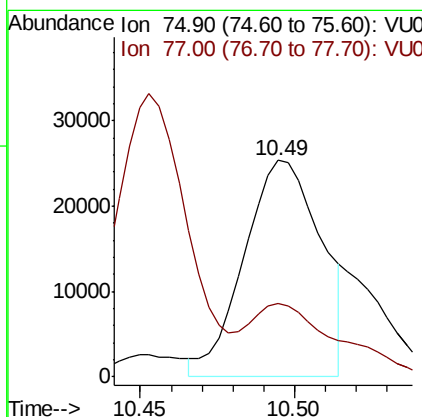
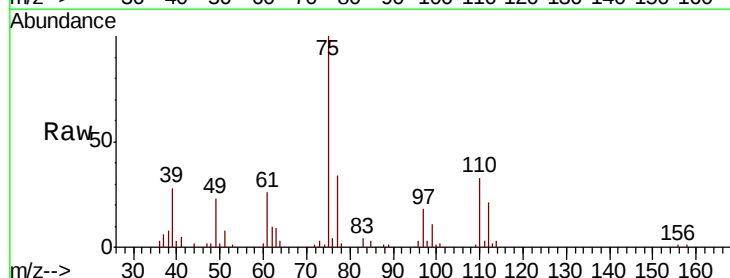
RT: 10.49 min Scan# 2899

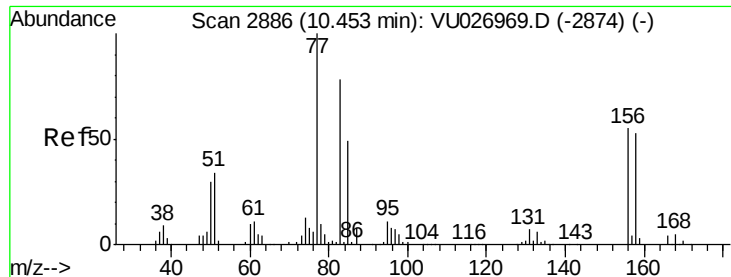
Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Tgt Ion:	75	Resp:	43891
Ion Ratio	Lower	Upper	
75	100		
77	38.9	20.9	62.8





#77

Bromobenzene

Concen: 20.753 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

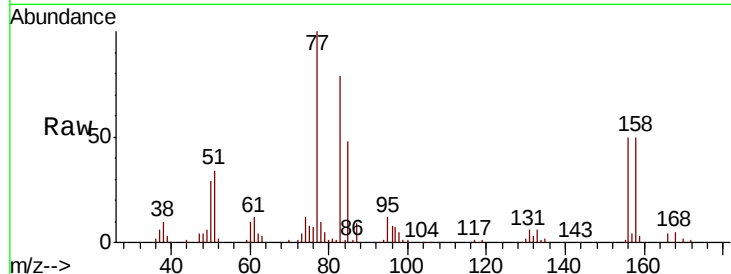
ClientSampleId :

VU0928WBS02

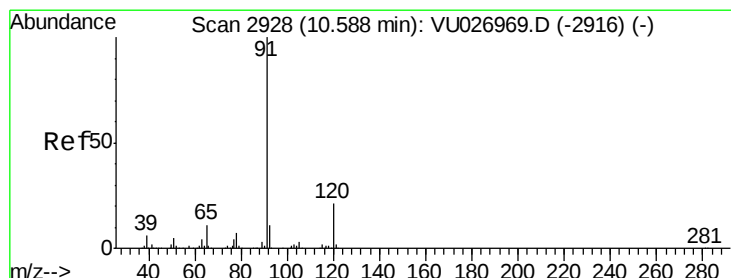
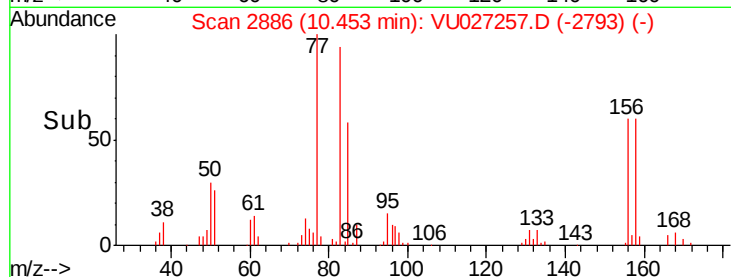
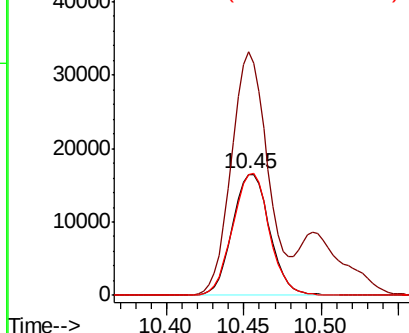
Tot Ion:	156	Resp:	27591
Ion Ratio	Lower	Upper	
156	100		
77	194.4	92.3	276.9
158	99.3	48.1	144.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VU0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.044 ug/l

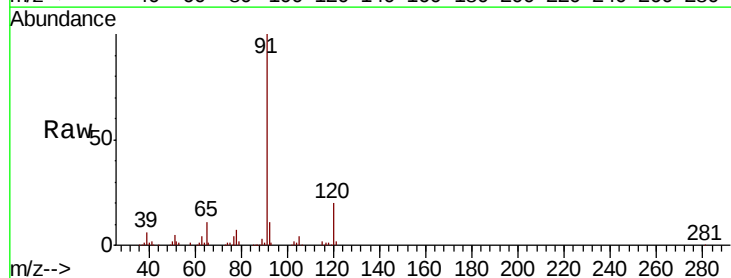
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

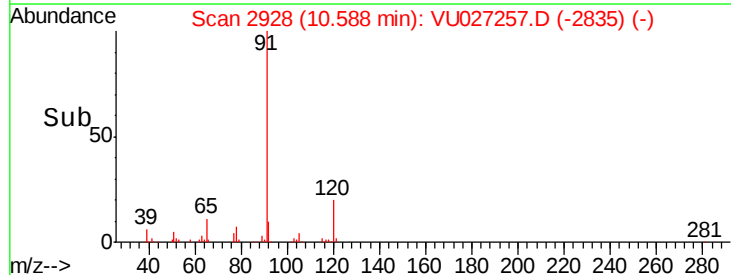
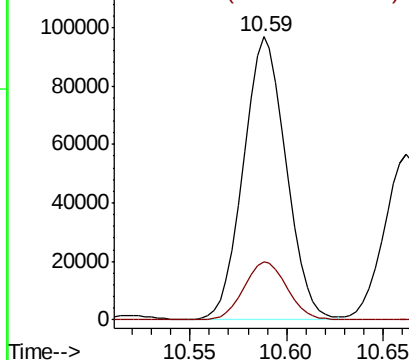
Lab File: VU027257.D

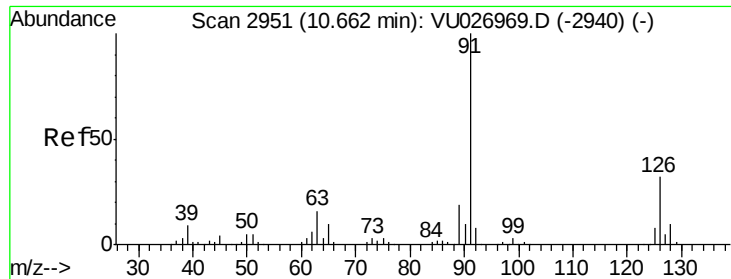
Acq: 28 Sep 2018 09:39

Tgt Ion:	91	Resp:	148344
Ion Ratio	Lower	Upper	
91	100		
120	20.7	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 120.00 (119.70 to 120.70): V





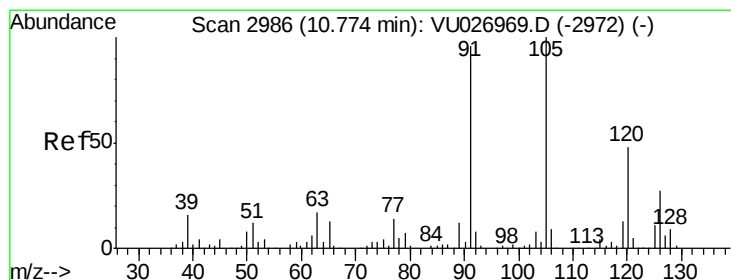
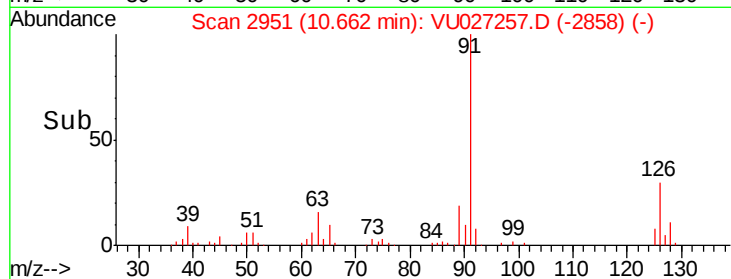
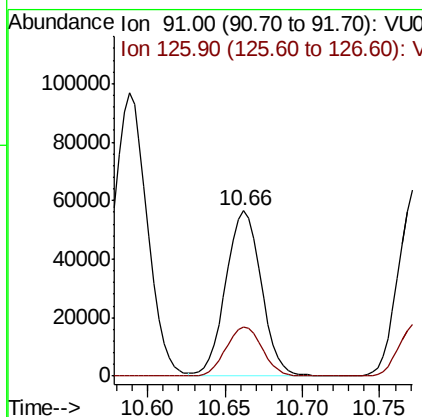
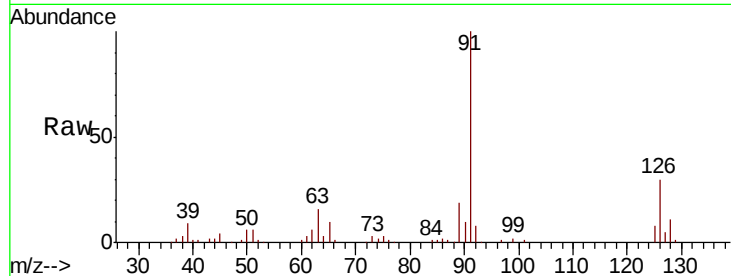
#79
 2-Chlorotoluene
 Concen: 22.305 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampled :
 VU0928WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.8	47.3

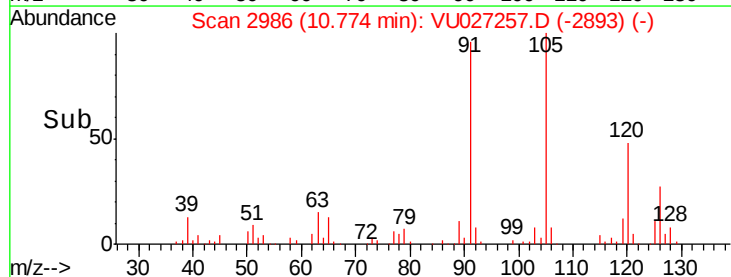
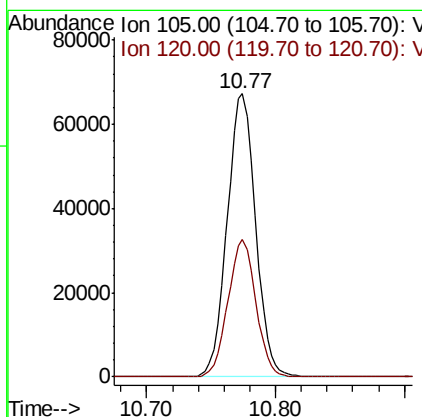
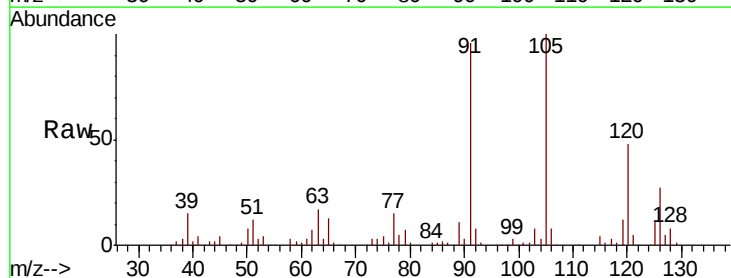
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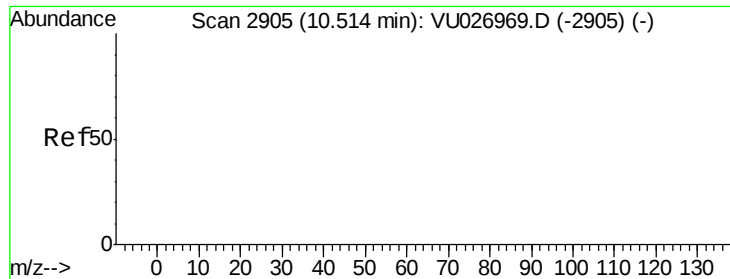
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.865 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7





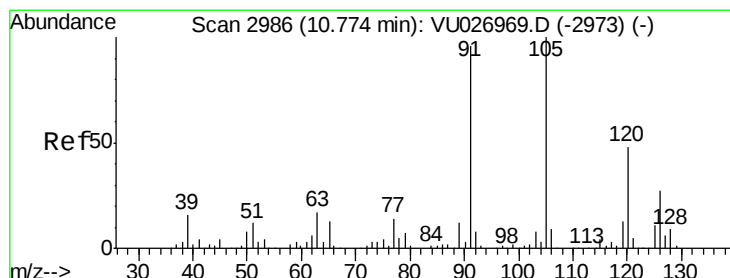
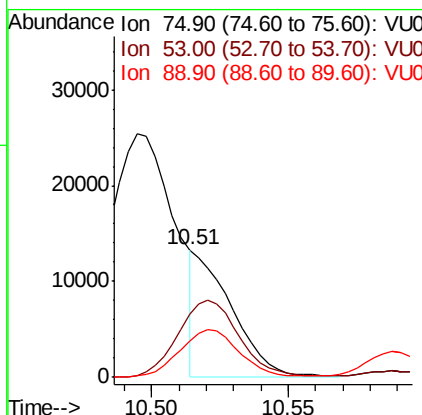
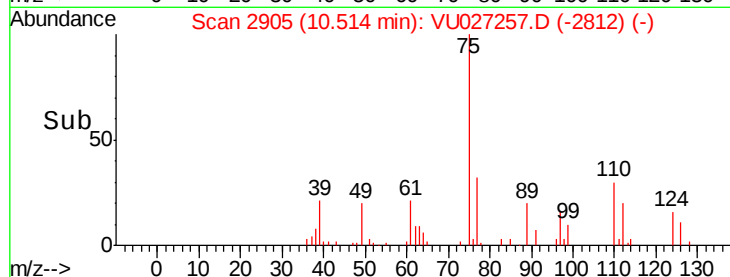
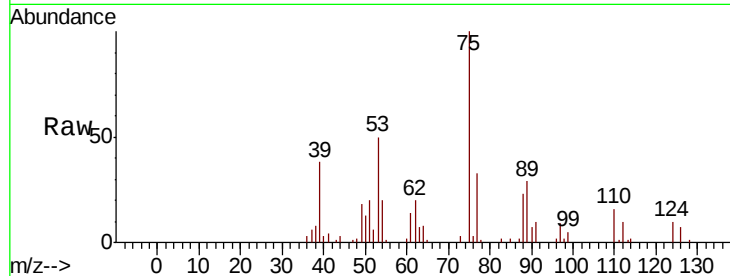
#81
trans-1,4-Dichloro-2-butene
Concen: 18.438 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

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

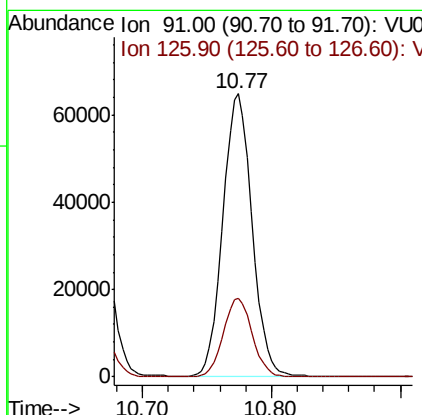
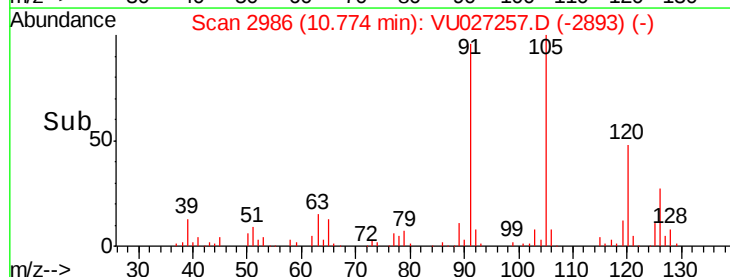
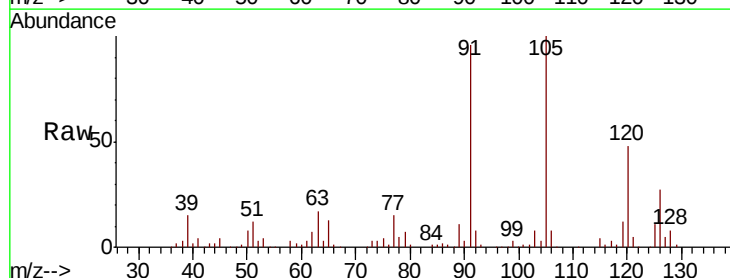
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#82
4-Chlorotoluene
Concen: 22.537 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.4	14.1	42.2





#83

tert-Butylbenzene

Concen: 21.901 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

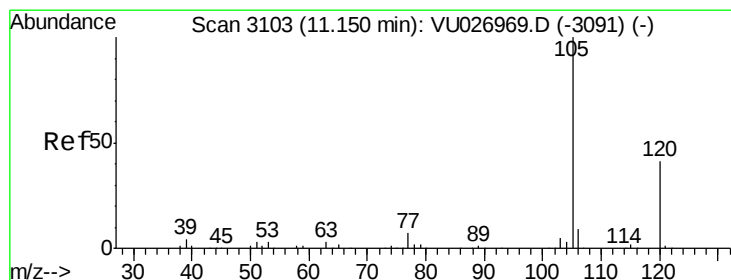
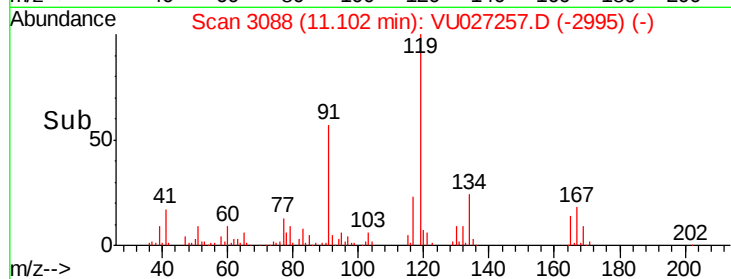
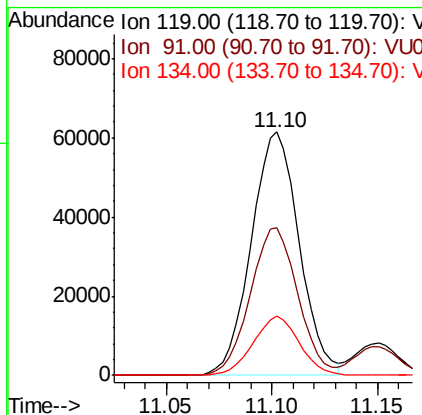
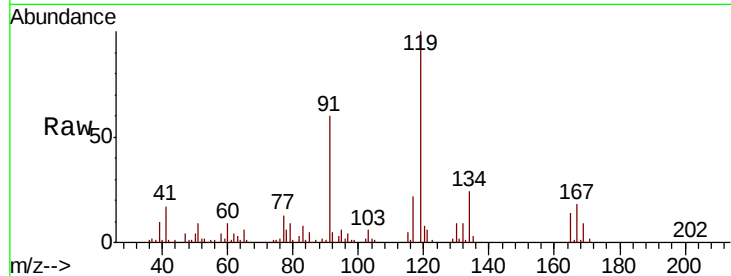
ClientSampleId :

VU0928WBS02

Tot Ion:	119	Resp:	97244
Ion Ratio	Lower	Upper	
119	100		
91	59.9	29.8	89.4
134	23.3	11.5	34.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 23.005 ug/l

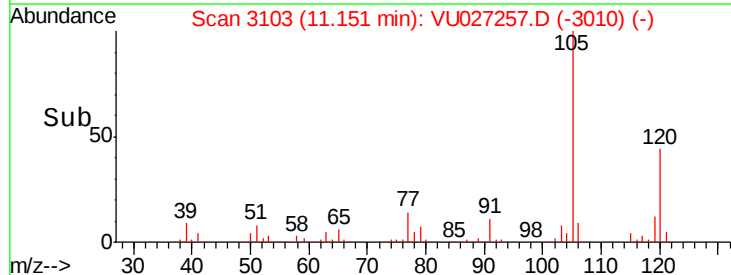
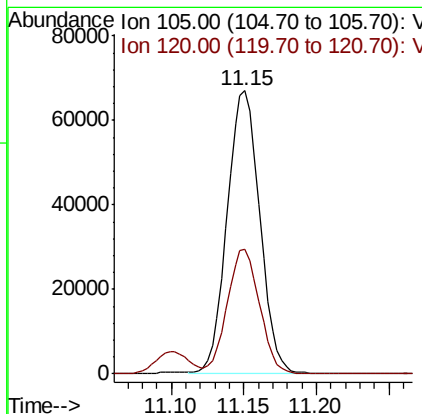
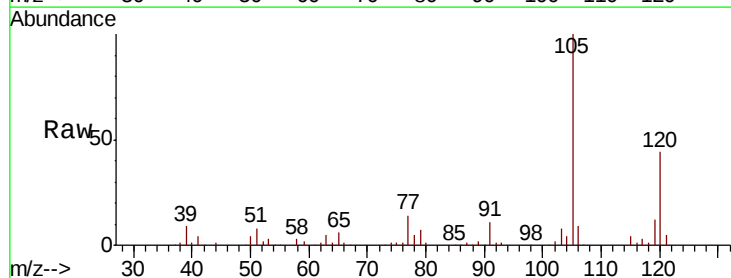
RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Tgt Ion:	105	Resp:	105145
Ion Ratio	Lower	Upper	
105	100		
120	43.6	22.4	67.2





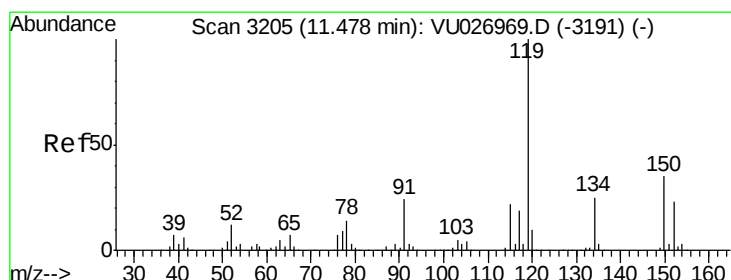
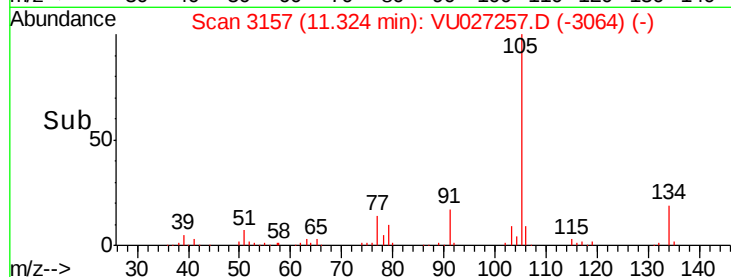
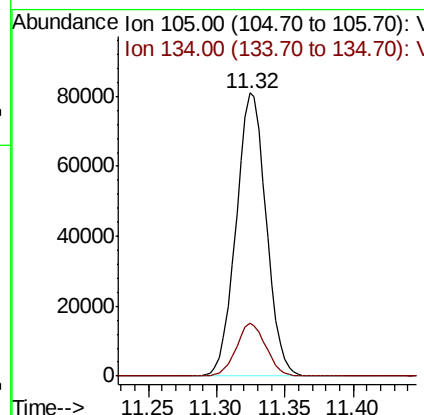
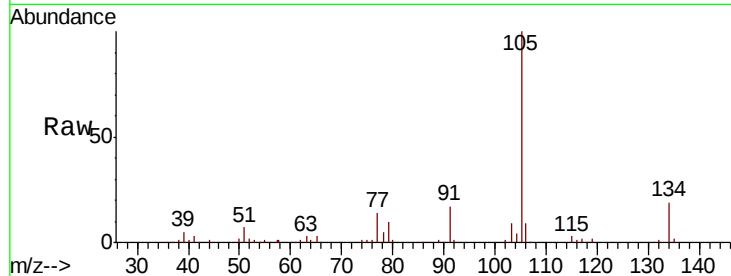
#85
 sec-Butylbenzene
 Concen: 22.865 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	123930		
134	18.4	9.4	28.2	

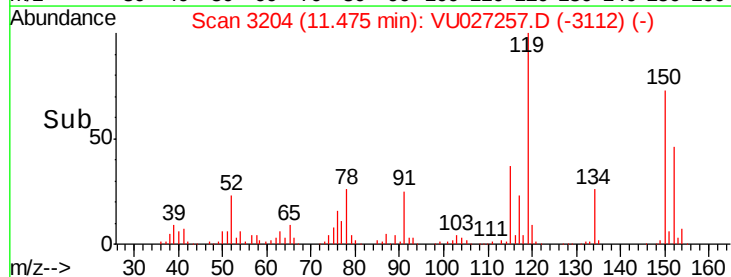
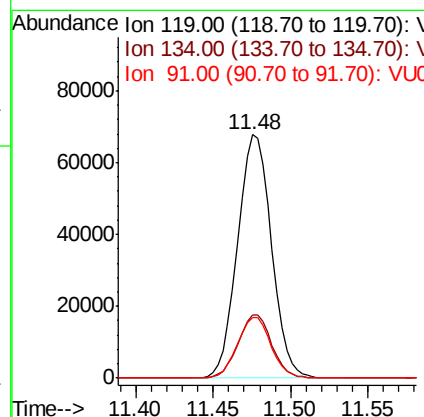
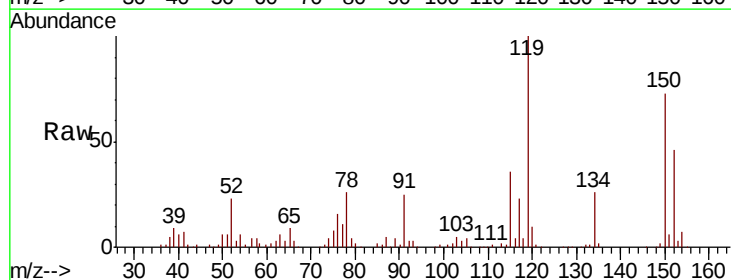
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#86
 p-Isopropyltoluene
 Concen: 20.818 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	103070		
134	25.7	12.8	38.3	
91	24.8	12.3	36.8	





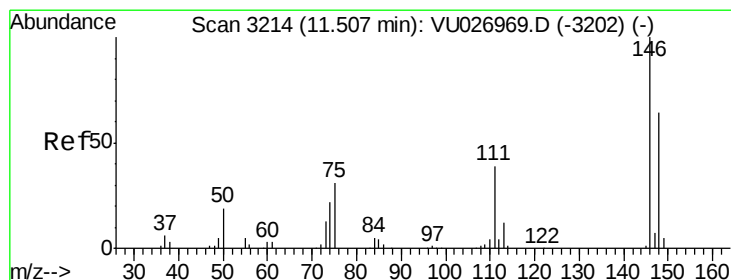
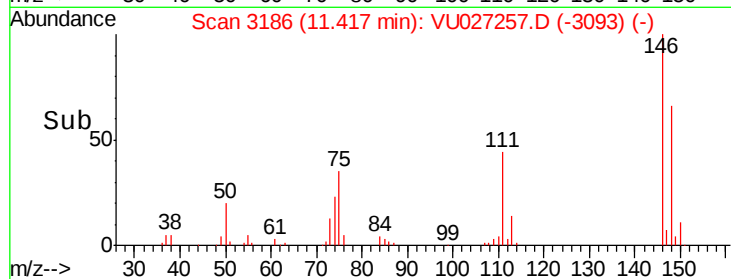
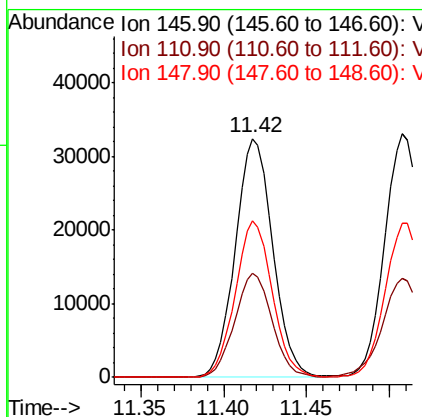
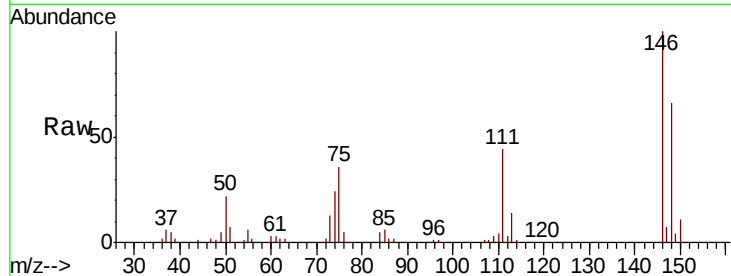
#87
 1,3-Dichlorobenzene
 Concen: 20.617 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.8	62.2
148	64.7	32.0	96.2

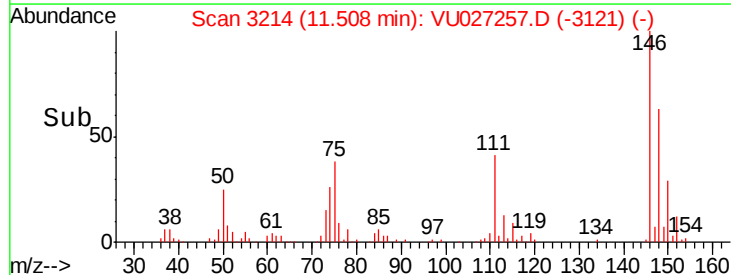
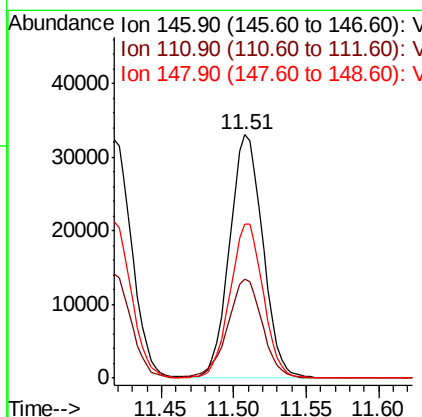
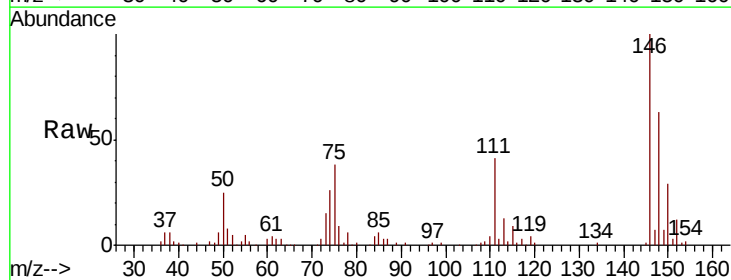
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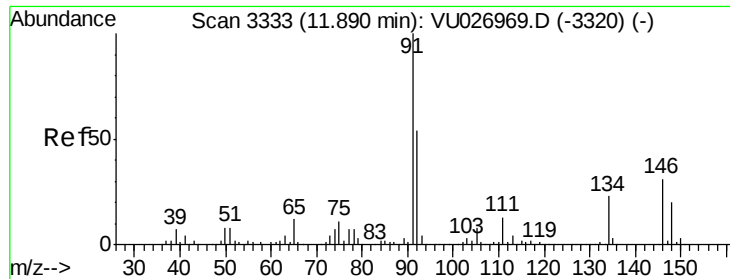
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#88
 1,4-Dichlorobenzene
 Concen: 19.508 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.3	60.9
148	63.4	31.9	95.9





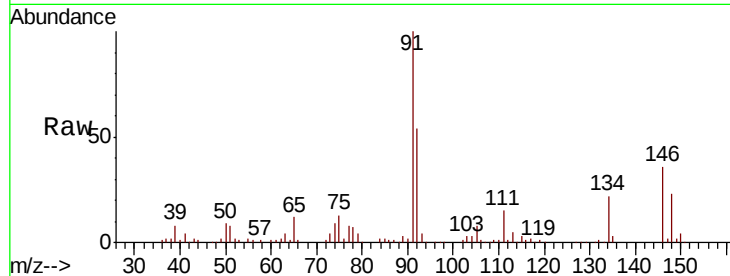
#89
n-Butylbenzene
Concen: 20.168 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.1	81.2
134	22.2	11.7	35.0

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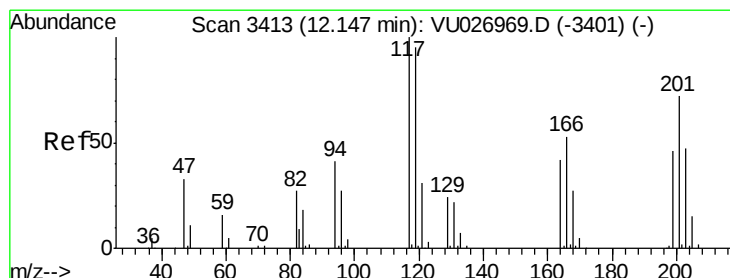
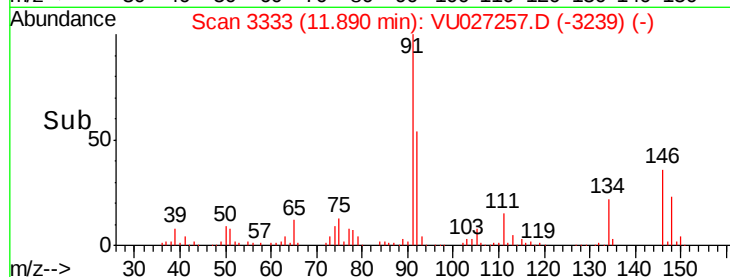
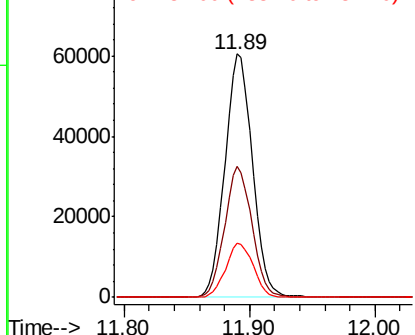


Abundance

Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

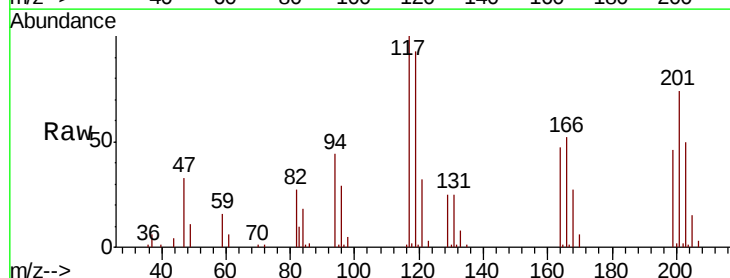
Ion 92.00 (91.70 to 92.70): VU027257.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU027257.D (-3239) (-)



#90
Hexachloroethane
Concen: 19.713 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

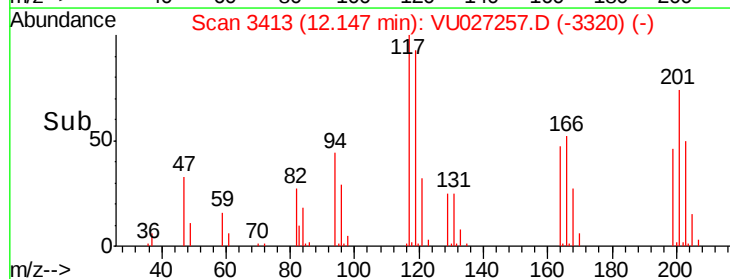
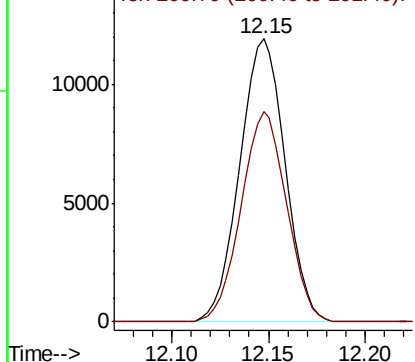
Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.2	36.8	110.3



Abundance

Ion 116.80 (116.50 to 117.50): VU026969.D (-3401) (-)

Ion 200.70 (200.40 to 201.40): VU027257.D (-3320) (-)





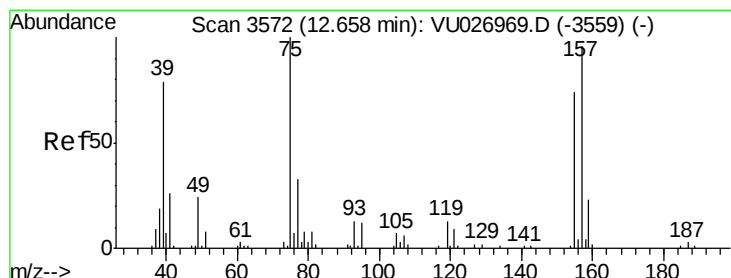
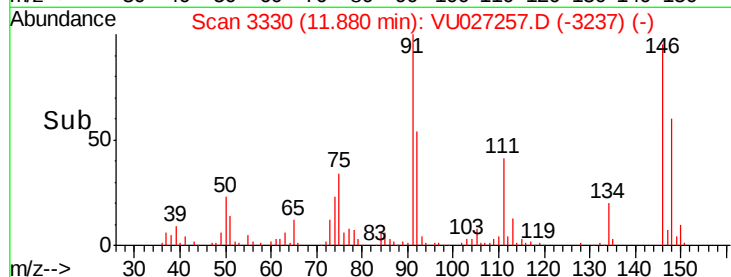
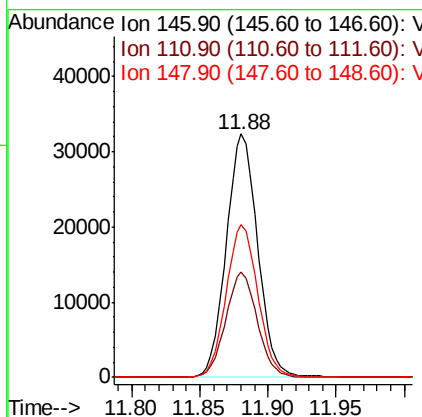
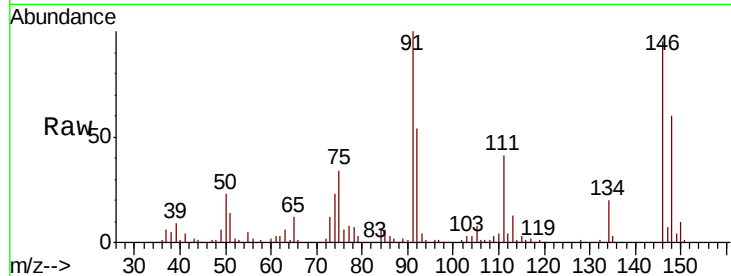
#91
 1,2-Dichlorobenzene
 Concen: 19.703 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.3
148	63.5	31.9	95.7

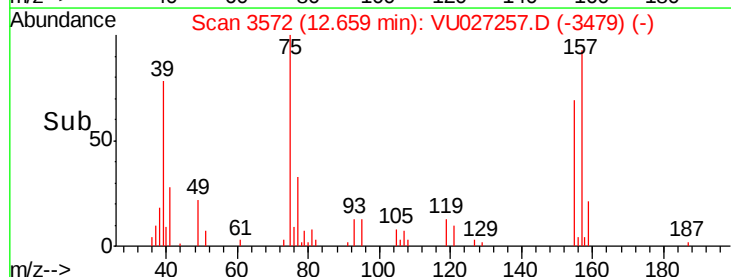
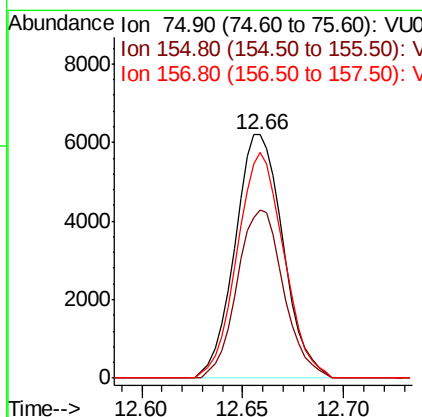
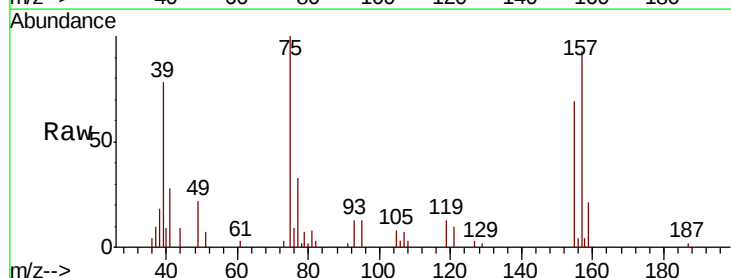
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.300 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.6	36.6	109.8
157	90.2	47.4	142.2





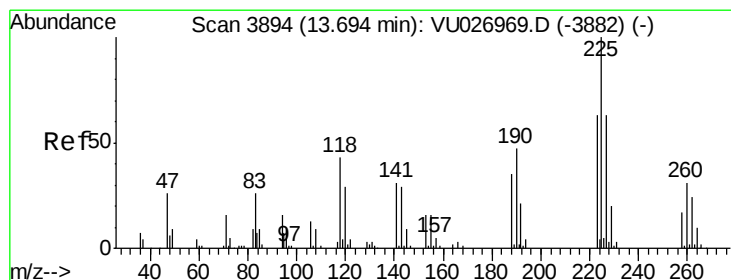
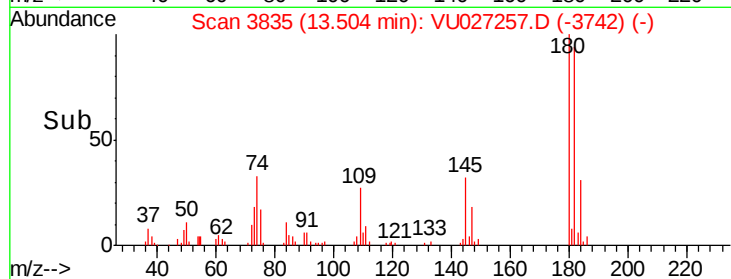
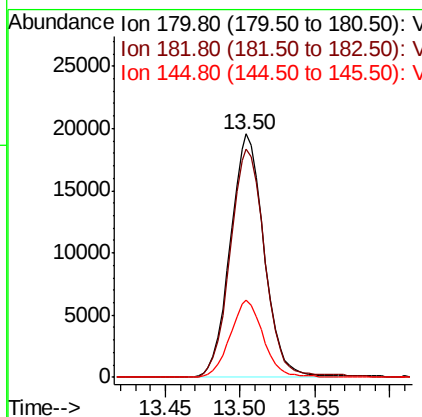
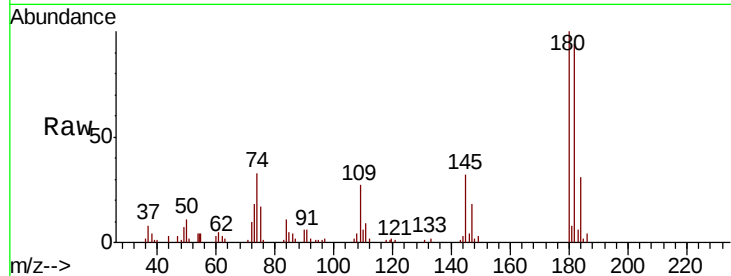
#93
 1,2,4-Trichlorobenzene
 Concen: 20.305 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampled :
 VU0928WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	30751		
182	96.6	47.4	142.2	
145	31.1	14.9	44.5	

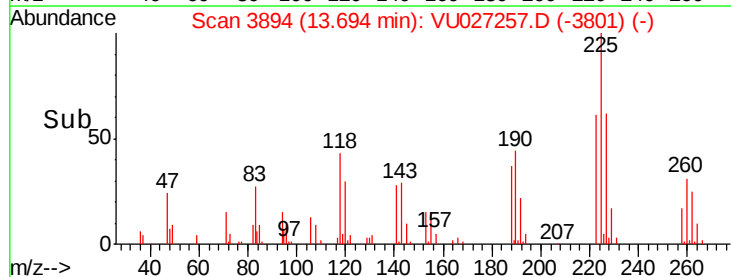
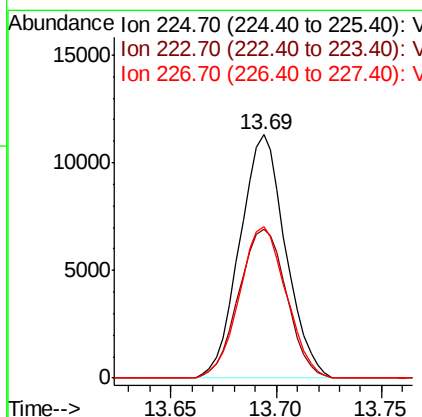
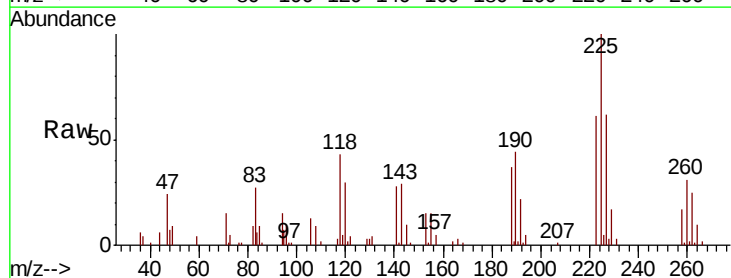
Manual Integrations
 APPROVED

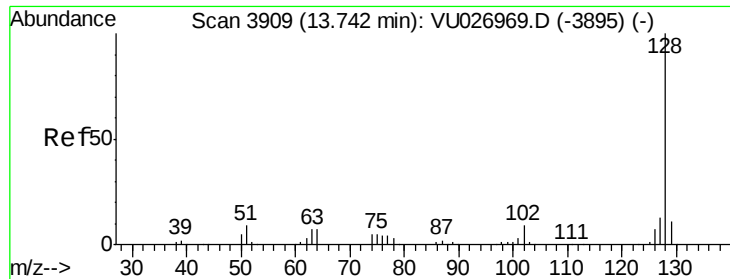
MMDadoda
 10/2/2018 1:07:34 PM



#94
 Hexachlorobutadiene
 Concen: 21.355 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17112		
223	63.7	31.9	95.7	
227	63.4	32.1	96.5	





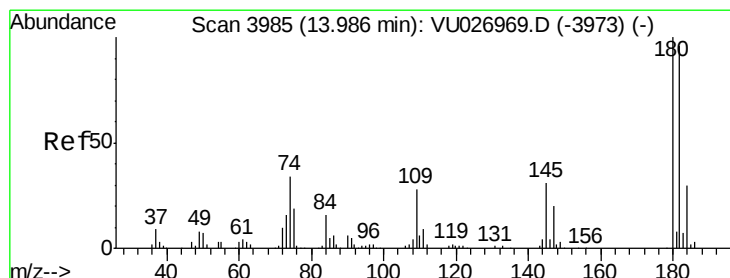
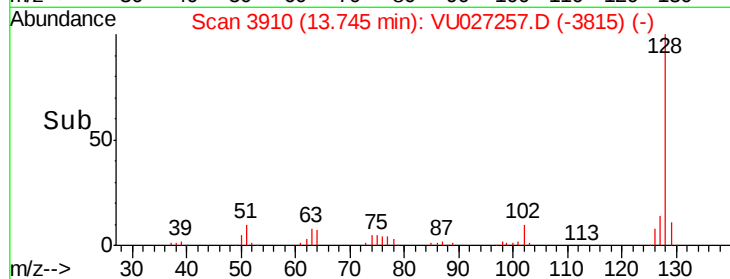
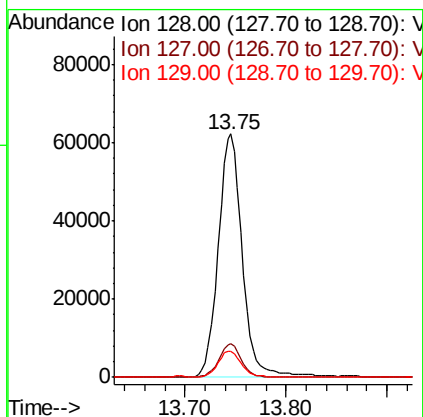
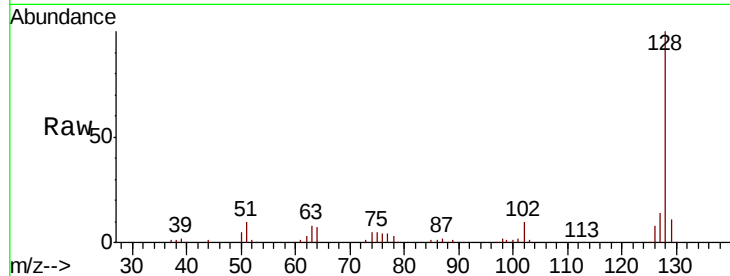
#95
Naphthalene
Concen: 18.607 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	103680		
127	12.8		10.6	15.8
129	10.7		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/2/2018 1:07:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.563 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	33396		
182	94.1		47.5	142.5
145	30.9		15.4	46.4

