

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029113.D
 Acq On : 10 Jan 2019 13:03
 Operator : MD/SY
 Sample : VU0110WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:03:39 AM

Quant Time: Jan 11 03:27:21 2019
 Quant Method : Z:\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	142994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	237545	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	217806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	104421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	88737	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	4.88	113	75997	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	7.56	98	295451	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	10.30	95	103870	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	26847	18.932	ug/l 99
3) Chloromethane	1.33	50	40578	17.473	ug/l 99
4) Vinyl Chloride	1.40	62	40115	19.196	ug/l 99
5) Bromomethane	1.62	94	24200	20.747	ug/l 100
6) Chloroethane	1.69	64	25229	20.268	ug/l 99
7) Trichlorofluoromethane	1.88	101	46742	20.526	ug/l 98
8) Diethyl Ether	2.10	74	22760	20.804	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	30132	19.776	ug/l 98
10) Methyl Iodide	2.41	142	31143	21.738	ug/l 99
11) Tert butyl alcohol	2.83	59	50439	112.256	ug/l 99
12) 1,1-Dichloroethene	2.28	96	30116	20.307	ug/l 97
13) Acrolein	2.19	56	29971	88.832	ug/l 100
14) Allyl chloride	2.59	41	49196	18.079	ug/l 92
15) Acrylonitrile	2.93	53	116039	105.267	ug/l 100
16) Acetone	2.32	43	95091	85.393	ug/l 98
17) Carbon Disulfide	2.48	76	88682	17.698	ug/l 99
18) Methyl Acetate	2.61	43	56827	21.947	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	106752	20.474	ug/l 99
20) Methylene Chloride	2.70	84	36844	19.487	ug/l 98
21) trans-1,2-Dichloroethene	2.98	96	32982	19.142	ug/l 98
22) Diisopropyl ether	3.57	45	107758	20.037	ug/l 94
23) Vinyl Acetate	3.52	43	439412	99.945	ug/l 99
24) 1,1-Dichloroethane	3.44	63	61929	19.948	ug/l 99
25) 2-Butanone	4.26	43	152211	101.201	ug/l 99
26) 2,2-Dichloropropane	4.22	77	48871	19.482	ug/l 99
27) cis-1,2-Dichloroethene	4.22	96	37814	20.066	ug/l 99
28) Bromochloromethane	4.55	49	27354	20.577	ug/l 98
29) Tetrahydrofuran	4.64	42	97424	106.798	ug/l 98
30) Chloroform	4.67	83	60234	20.370	ug/l 99
31) Cyclohexane	4.99	56	58016	19.102	ug/l 96
32) 1,1,1-Trichloroethane	4.91	97	50395	20.625	ug/l 99
36) 1,1-Dichloropropene	5.13	75	44881	18.902	ug/l 98
37) Ethyl Acetate	4.38	43	54292	20.831	ug/l 100
38) Carbon Tetrachloride	5.13	117	38691	19.538	ug/l 95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	55350	18.962	ug/l	96
40) Benzene	5.39	78	146621	19.797	ug/l	98
41) Methacrylonitrile	4.54	41	28856	20.684	ug/l	99
42) 1,2-Dichloroethane	5.40	62	45577	20.479	ug/l	98
43) Isopropyl Acetate	5.55	43	83476	20.880	ug/l	99
44) Trichloroethene	6.18	130	34860	18.996	ug/l	98
45) 1,2-Dichloropropane	6.43	63	39223	20.054	ug/l	100
46) Dibromomethane	6.56	93	25058	20.042	ug/l	97
47) Bromodichloromethane	6.75	83	45596	19.807	ug/l	99
48) Methyl methacrylate	6.62	41	41434	21.284	ug/l	98
49) 1,4-Dioxane	6.61	88	21729	470.995	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	283994	104.377	ug/l	99
52) Toluene	7.63	92	87281	19.358	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	53301	19.275	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	58938	19.724	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	36277	20.084	ug/l	97
56) Ethyl methacrylate	8.02	69	55026	19.774	ug/l	99
57) 1,3-Dichloropropane	8.24	76	61947	20.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	119511	97.655	ug/l	99
59) 2-Hexanone	8.36	43	218654	102.377	ug/l	99
60) Dibromochloromethane	8.48	129	34603	19.337	ug/l	98
61) 1,2-Dibromoethane	8.58	107	38998	19.907	ug/l	99
64) Tetrachloroethene	8.22	164	31202	19.887	ug/l	97
65) Chlorobenzene	9.12	112	95792	19.621	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	31766	20.049	ug/l	99
67) Ethyl Benzene	9.25	91	164824	20.221	ug/l	99
68) m/p-Xylenes	9.37	106	128012	40.419	ug/l	99
69) o-Xylene	9.78	106	62930	20.622	ug/l	98
70) Styrene	9.79	104	99032	19.796	ug/l	100
71) Bromoform	9.95	173	27678	19.619	ug/l #	99
73) Isopropylbenzene	10.16	105	157524	20.381	ug/l	100
74) N-amyl acetate	10.01	43	67985	20.413	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	63455	20.485	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	54403m	21.264	ug/l	
77) Bromobenzene	10.45	156	41058	20.385	ug/l	97
78) n-propylbenzene	10.58	91	189134	20.765	ug/l	99
79) 2-Chlorotoluene	10.66	91	112833	20.421	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	134456	20.832	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	18520m	18.669	ug/l	
82) 4-Chlorotoluene	10.77	91	125844	19.863	ug/l	99
83) tert-Butylbenzene	11.10	119	129795	20.403	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	143977	22.343	ug/l	99
85) sec-Butylbenzene	11.32	105	161260	20.960	ug/l	99
86) p-Isopropyltoluene	11.48	119	136004	20.745	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	72241	19.554	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	71359	18.712	ug/l	99
89) n-Butylbenzene	11.89	91	120375	20.572	ug/l	100
90) Hexachloroethane	12.14	117	20925	18.973	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	72415	19.460	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12876	21.612	ug/l	96

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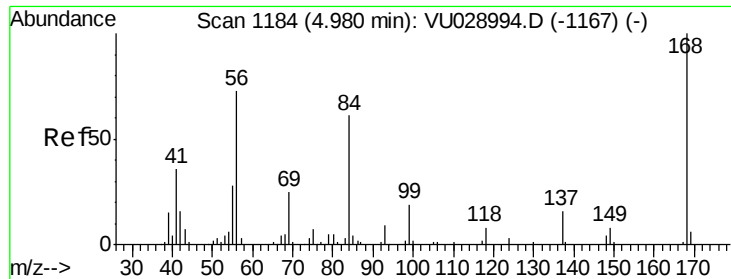
Manual Integrations
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Quant Method : Z:\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
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QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	45901	19.324	ug/l	99
94) Hexachlorobutadiene	13.69	225	23006	21.175	ug/l	98
95) Naphthalene	13.74	128	156072	19.314	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	48551	20.322	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion:168 Resp: 142994

Ion Ratio Lower Upper

168 100

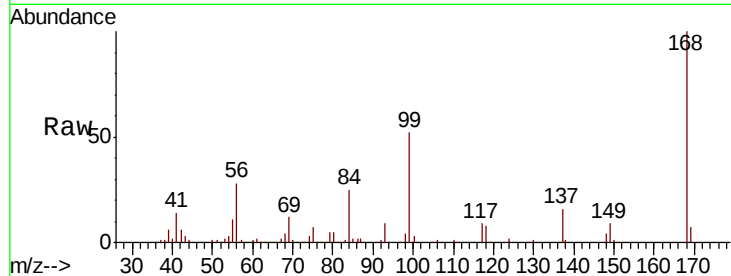
99 52.1 42.0 63.0

Manual Integrations

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1/11/2019 10:03:39 AM



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

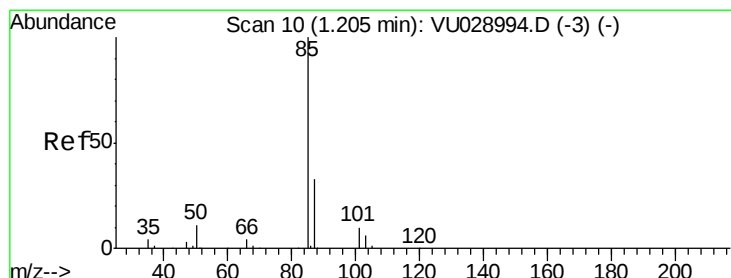
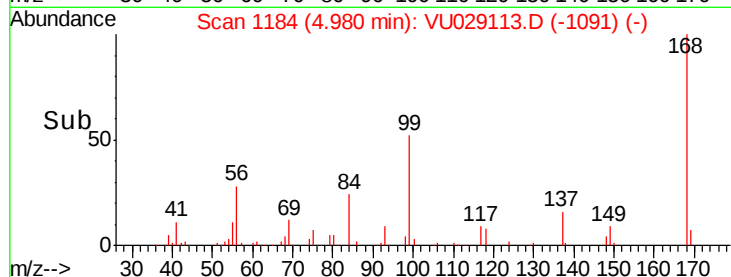
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.932 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029113.D

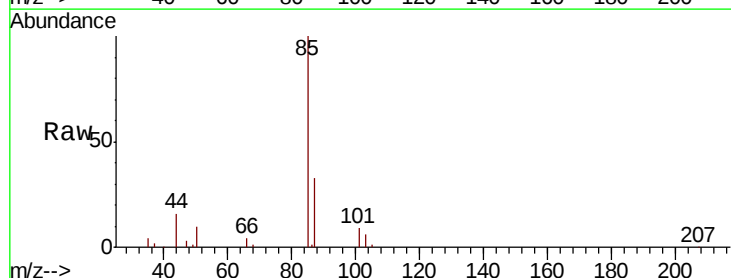
Acq: 10 Jan 2019 13:03

Tgt Ion: 85 Resp: 26847

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

30000

25000

20000

15000

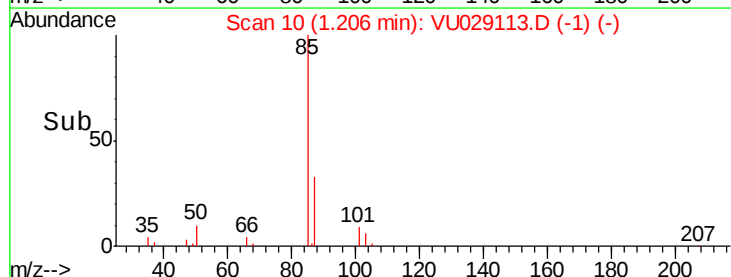
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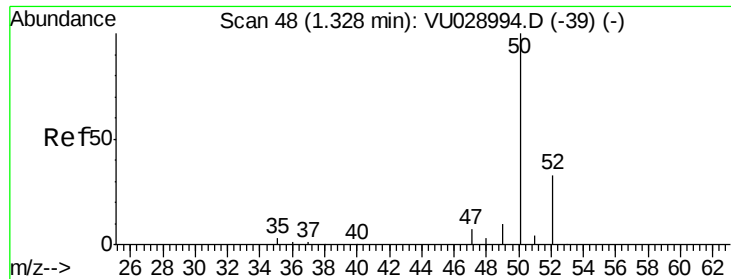
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.473 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion: 50 Resp: 40578

Ion Ratio Lower Upper

50 100

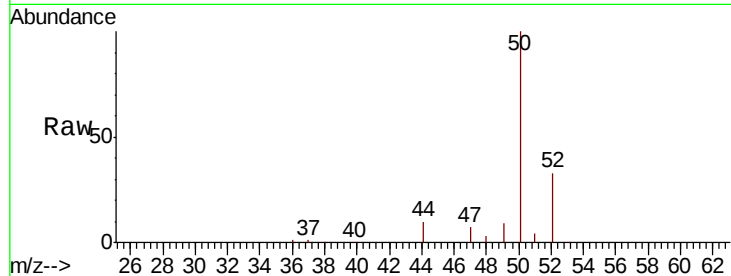
52 33.0 26.1 39.1

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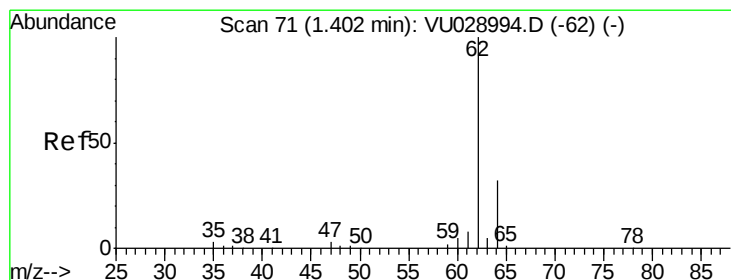
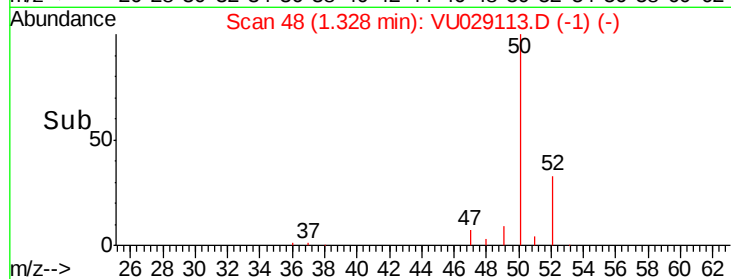
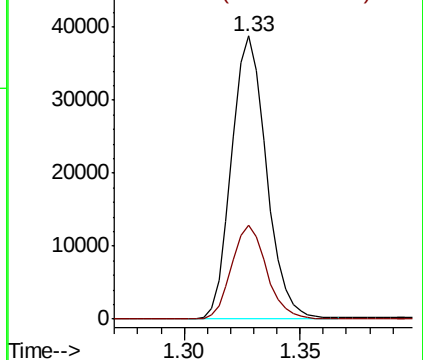
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.196 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029113.D

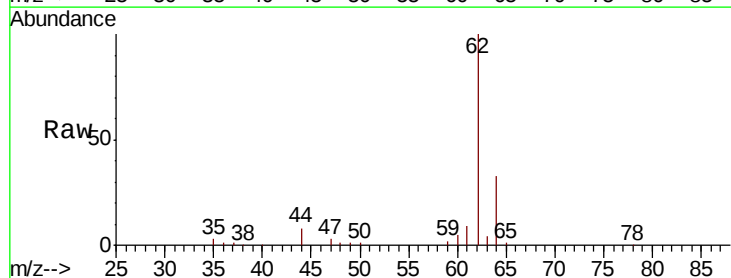
Acq: 10 Jan 2019 13:03

Tgt Ion: 62 Resp: 40115

Ion Ratio Lower Upper

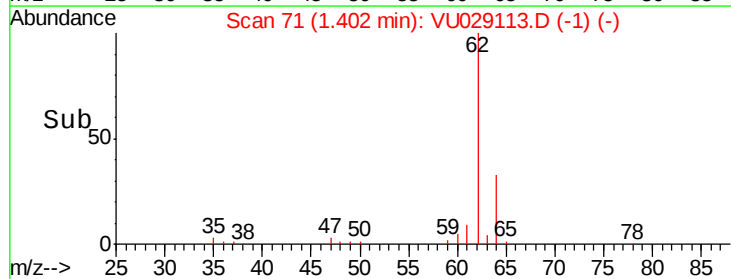
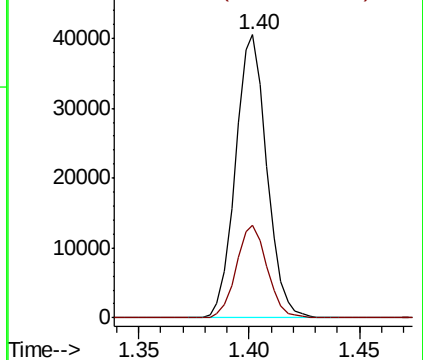
62 100

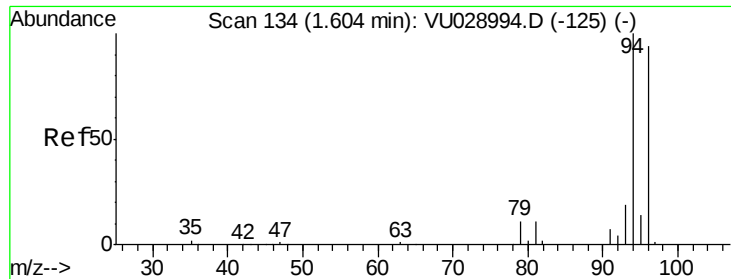
64 32.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.747 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion: 94 Resp: 24200

Ion Ratio Lower Upper

94 100

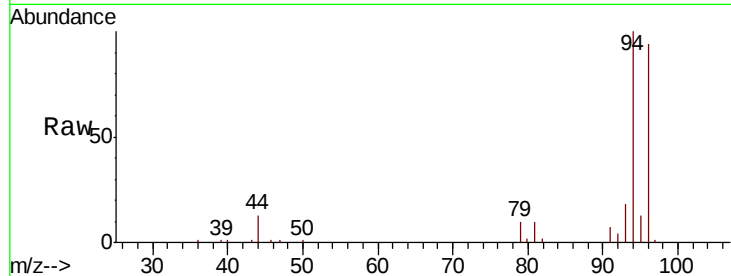
96 94.4 75.5 113.3

Manual Integrations

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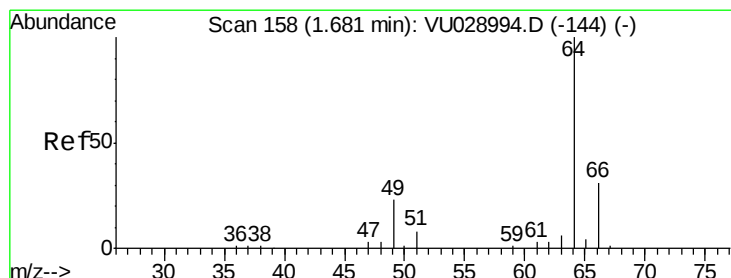
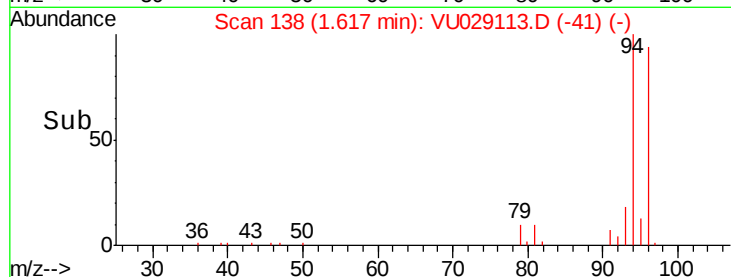
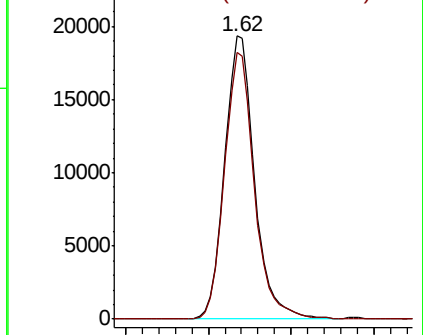
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.268 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029113.D

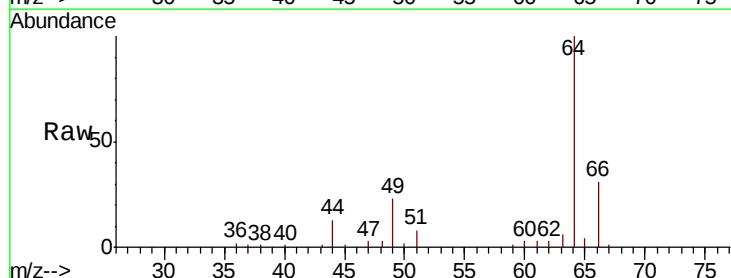
Acq: 10 Jan 2019 13:03

Tgt Ion: 64 Resp: 25229

Ion Ratio Lower Upper

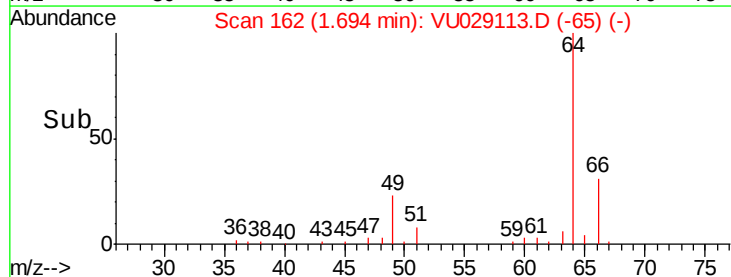
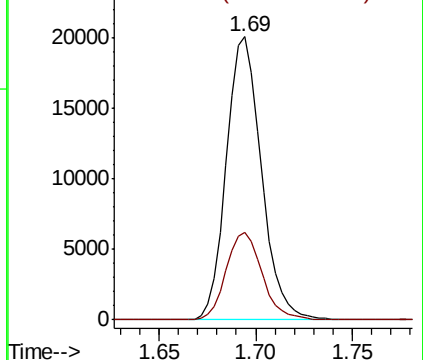
64 100

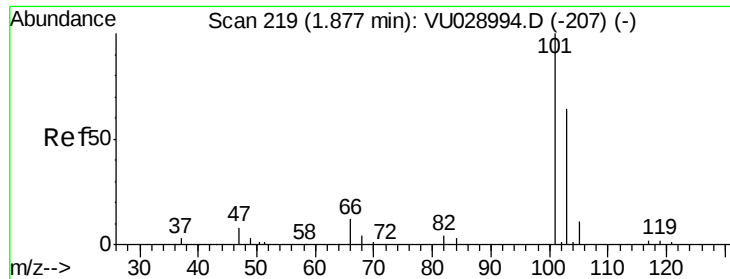
66 30.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

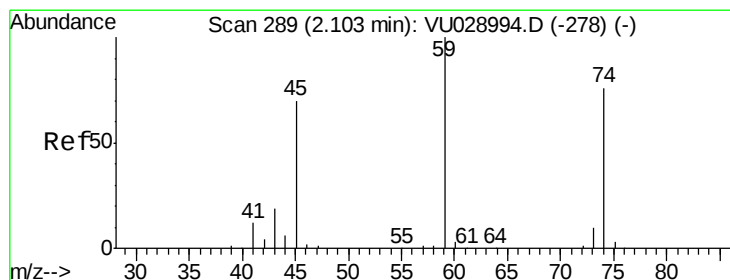
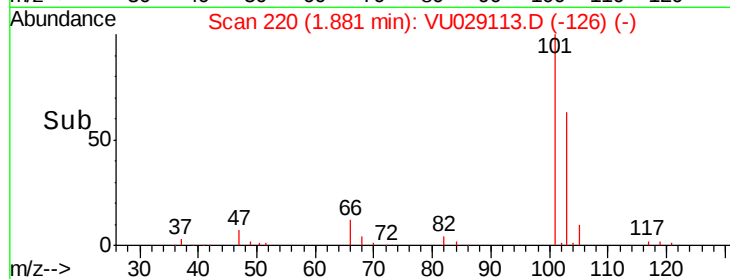
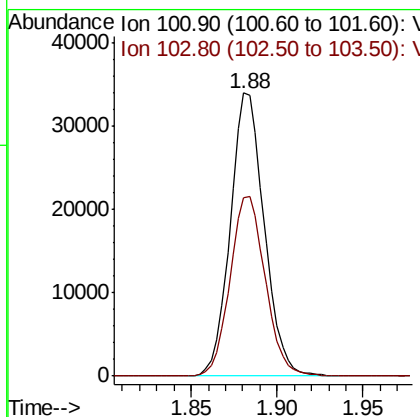
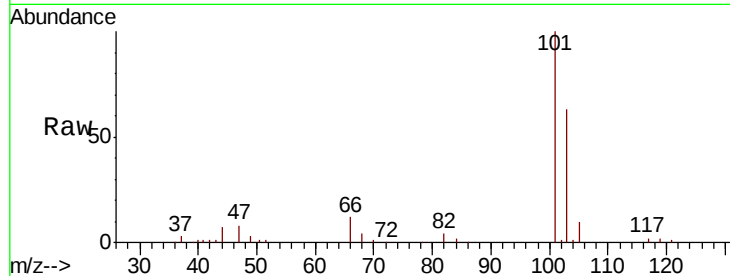
Trichlorofluoromethane
 Concen: 20.526 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Instrument :
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 ClientSampleId :
 VU0110WBS01

Tgt Ion: 101 Resp: 46742
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.5 77.3

Manual Integrations
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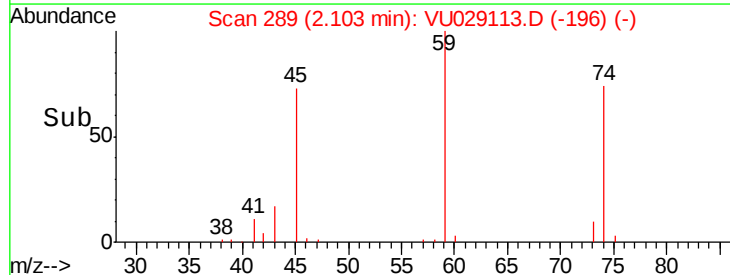
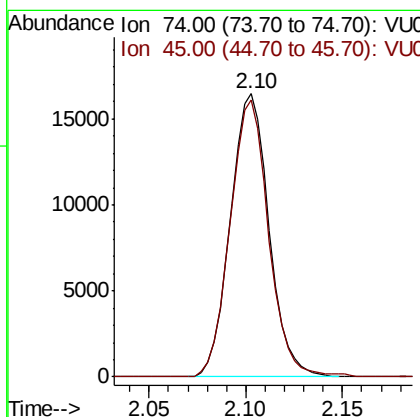
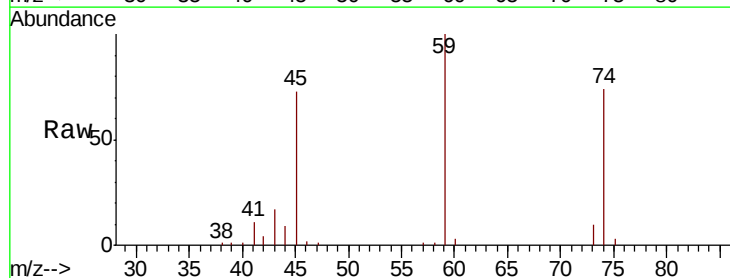
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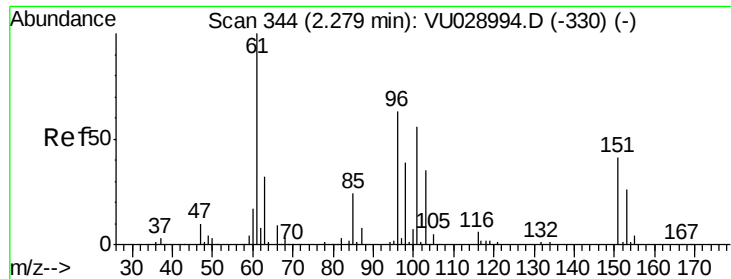


#8

Diethyl Ether
 Concen: 20.804 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Tgt Ion: 74 Resp: 22760
 Ion Ratio Lower Upper
 74 100
 45 97.7 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.776 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

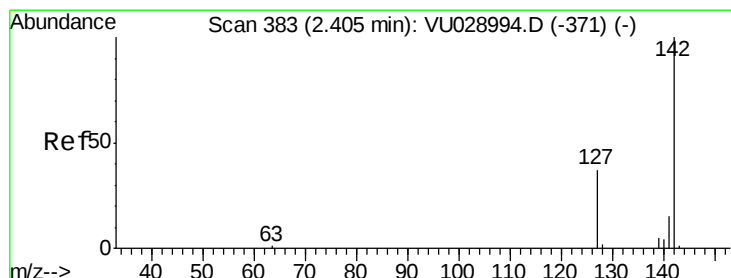
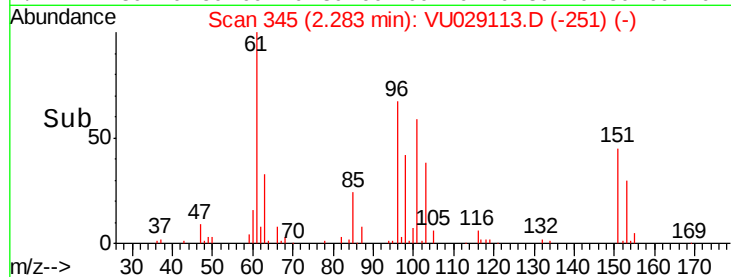
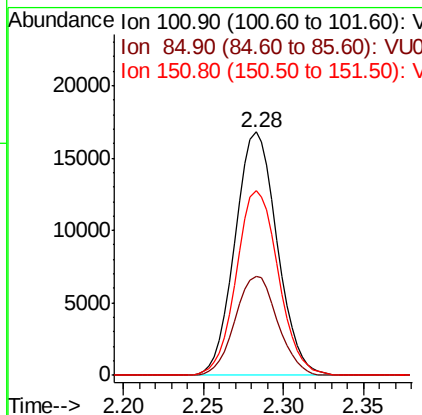
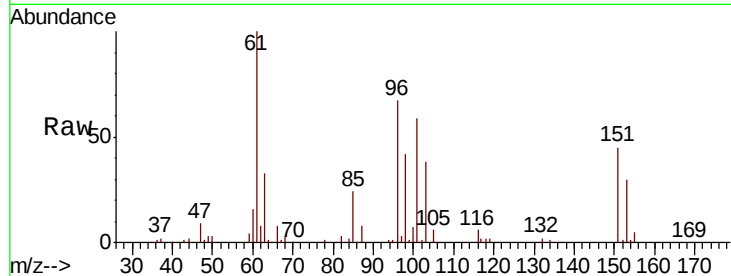
ClientSampleId :

VU0110WBS01

Tgt Ion:	101	Resp:	30132
Ion Ratio	Lower	Upper	
101	100		
85	40.9	35.1	52.7
151	75.9	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.738 ug/l

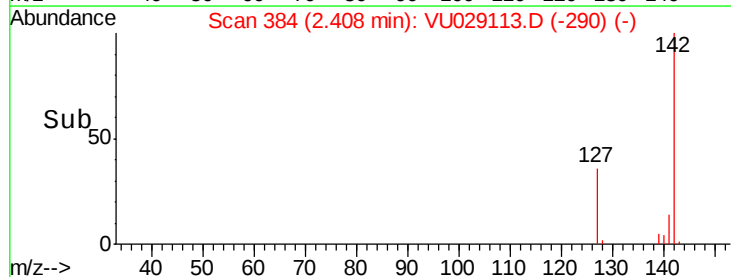
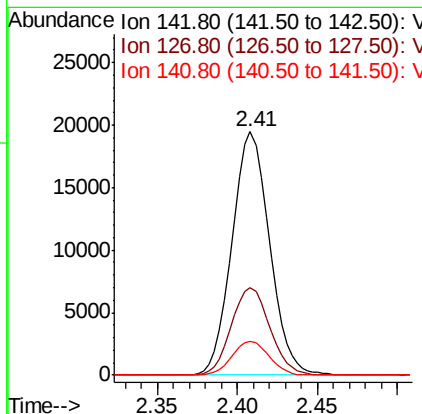
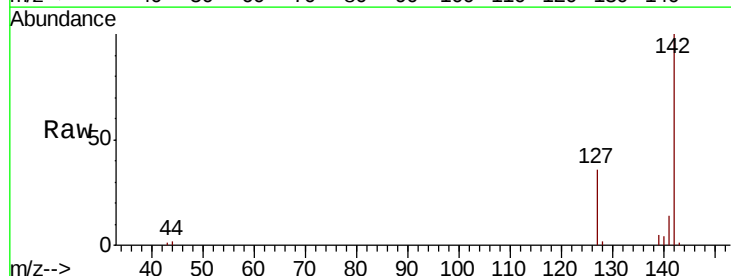
RT: 2.41 min Scan# 384

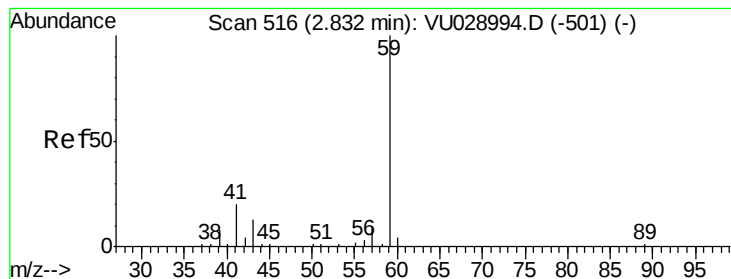
Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Tgt Ion:	142	Resp:	31143
Ion Ratio	Lower	Upper	
142	100		
127	36.7	29.8	44.6
141	13.7	11.5	17.3





#11

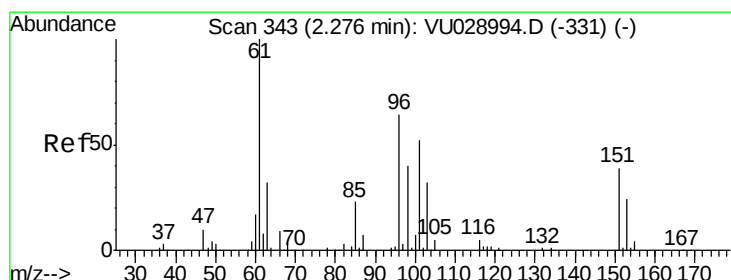
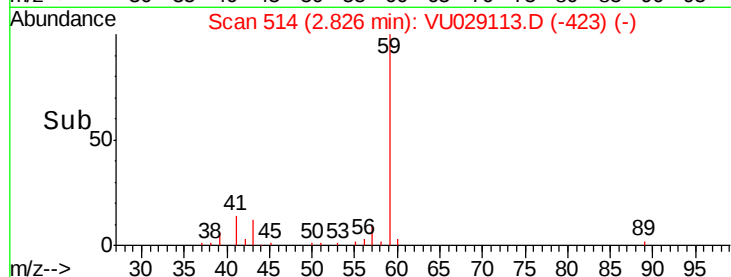
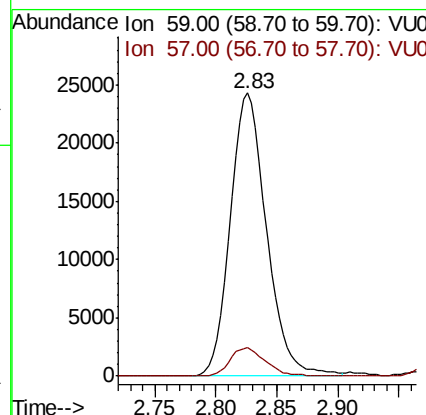
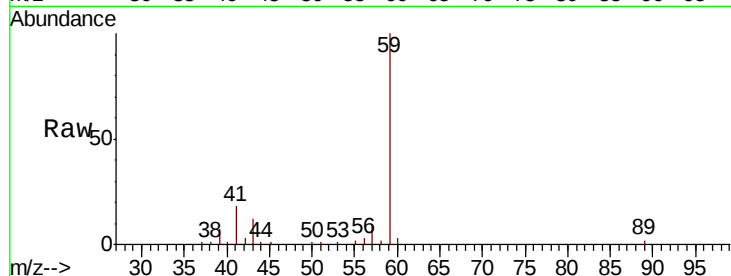
Tert butyl alcohol
 Concen: 112.256 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.9	11.9

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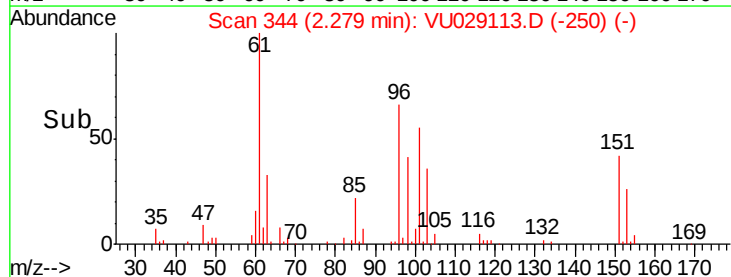
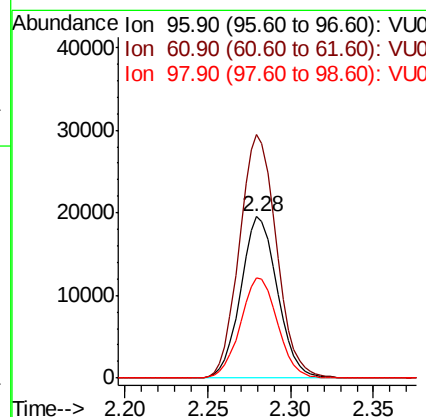
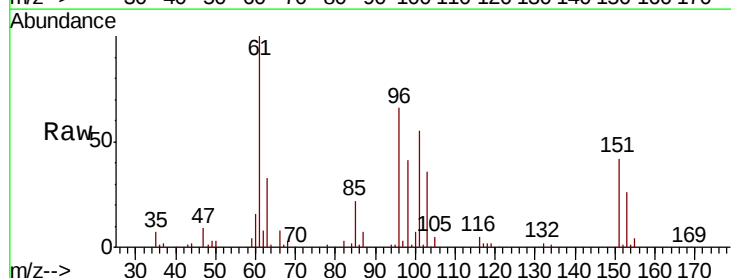
MMDadoda
 1/11/2019 10:03:39 AM

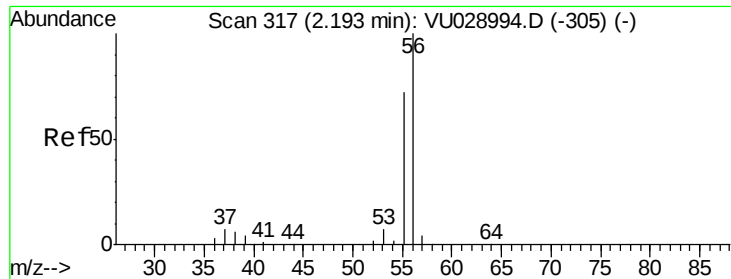


#12

1,1-Dichloroethene
 Concen: 20.307 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.9	125.4	188.0
98	62.0	49.7	74.5





#13

Acrolein

Concen: 88.832 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion: 56 Resp: 29971

Ion Ratio Lower Upper

56 100

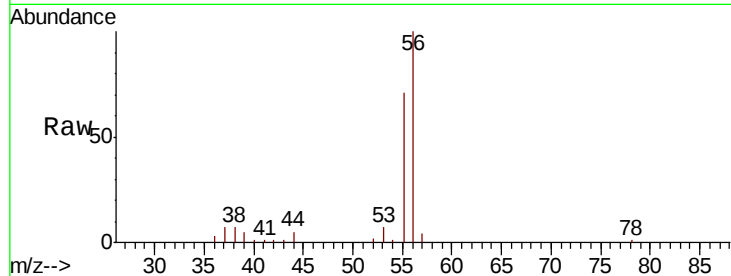
55 71.0 56.5 84.7

Manual Integrations

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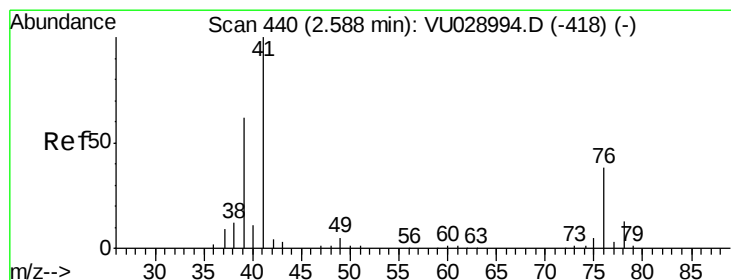
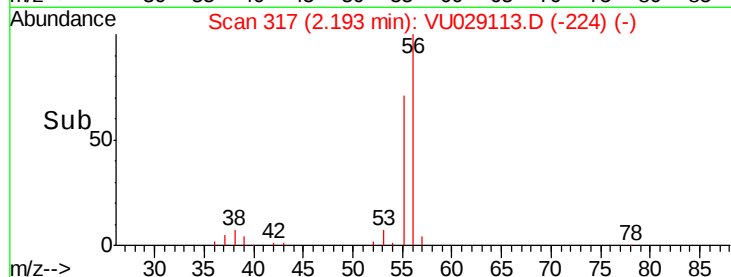
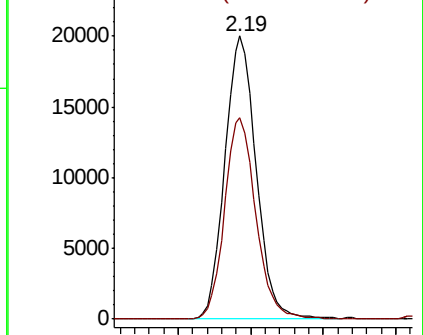
MMDadoda

1/11/2019 10:03:39 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 18.079 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

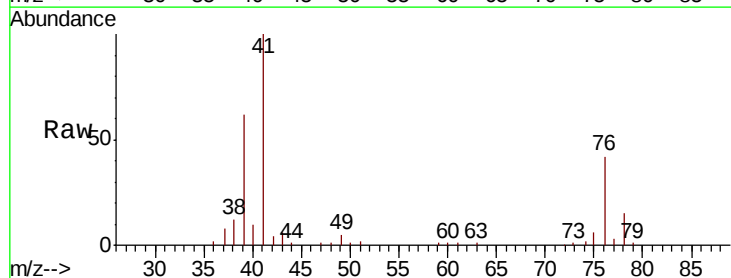
Tgt Ion: 41 Resp: 49196

Ion Ratio Lower Upper

41 100

39 62.6 45.0 67.6

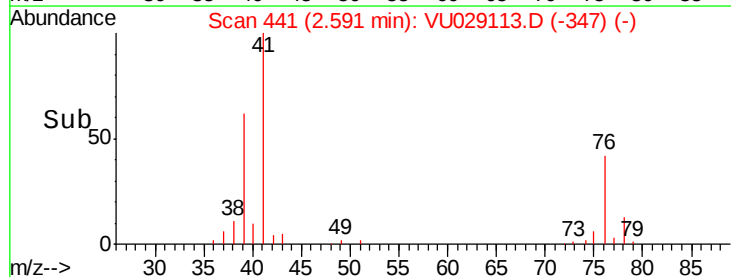
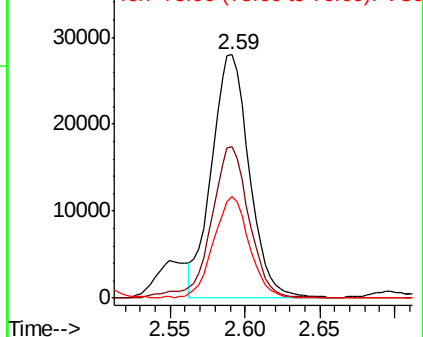
76 39.6 28.1 42.1

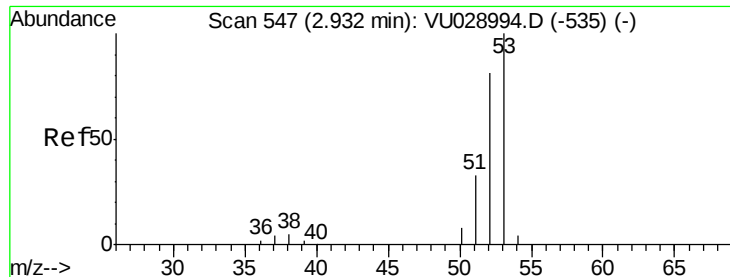


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 105.267 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

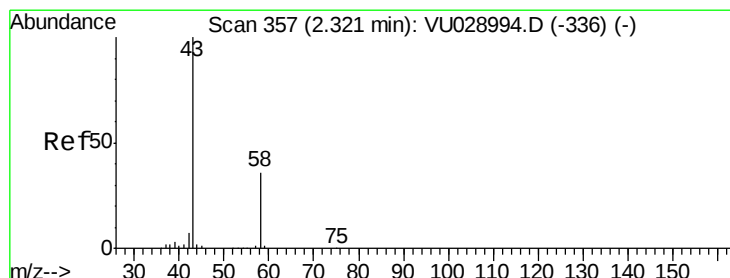
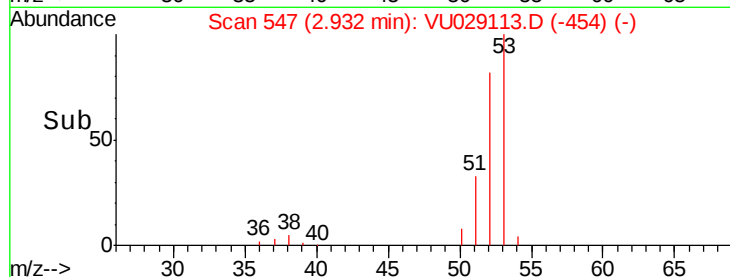
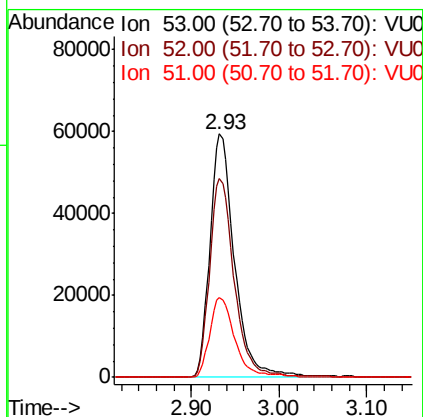
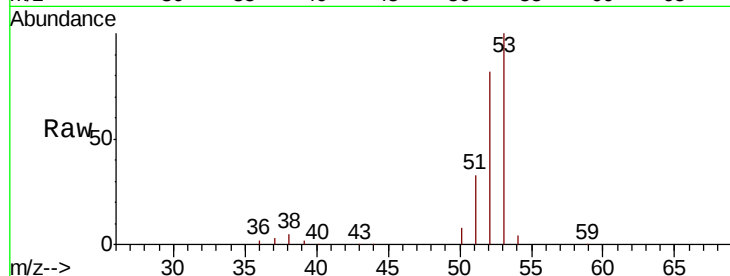
ClientSampleId :

VU0110WBS01

Tgt Ion:	53	Resp:	116039
Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.8	97.2
51	34.1	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 85.393 ug/l

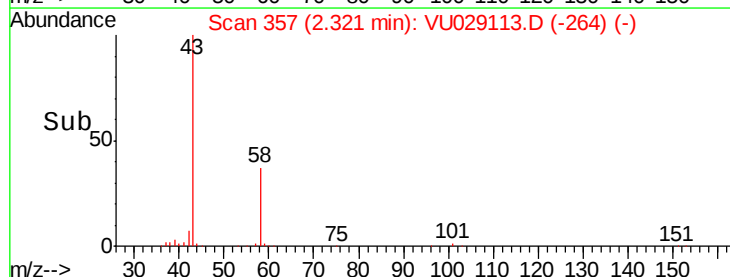
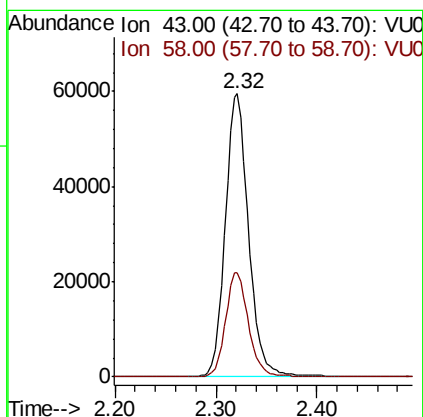
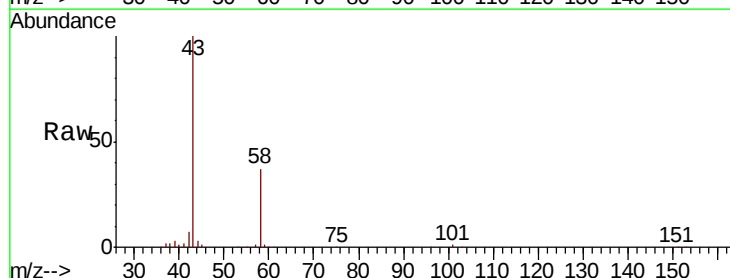
RT: 2.32 min Scan# 357

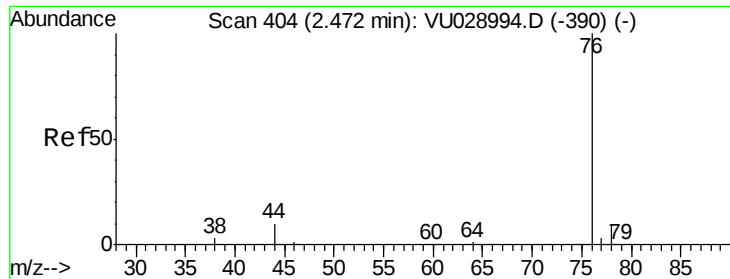
Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Tgt Ion:	43	Resp:	95091
Ion	Ratio	Lower	Upper
43	100		
58	37.0	28.6	42.8





#17

Carbon Disulfide

Concen: 17.698 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion: 76 Resp: 88682

Ion Ratio Lower Upper

76 100

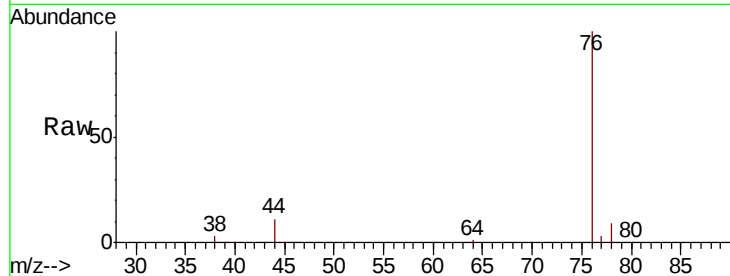
78 9.3 7.2 10.8

Manual Integrations

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1/11/2019 10:03:39 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

60000

50000

40000

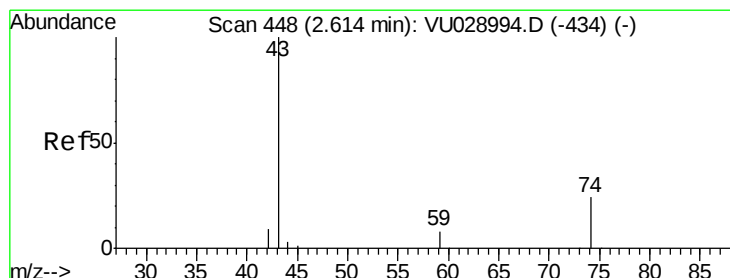
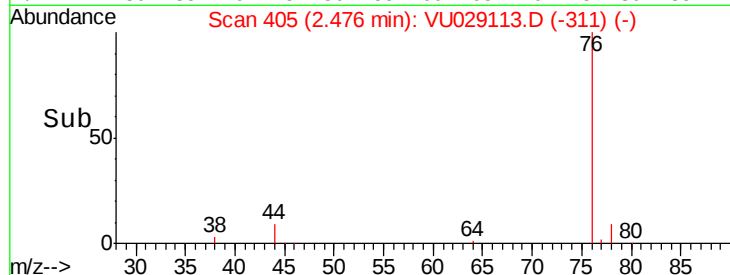
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 21.947 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029113.D

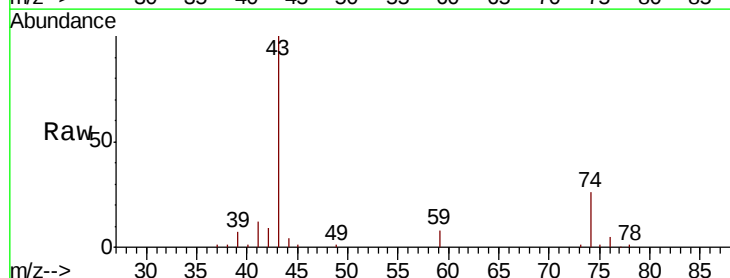
Acq: 10 Jan 2019 13:03

Tgt Ion: 43 Resp: 56827

Ion Ratio Lower Upper

43 100

74 25.3 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

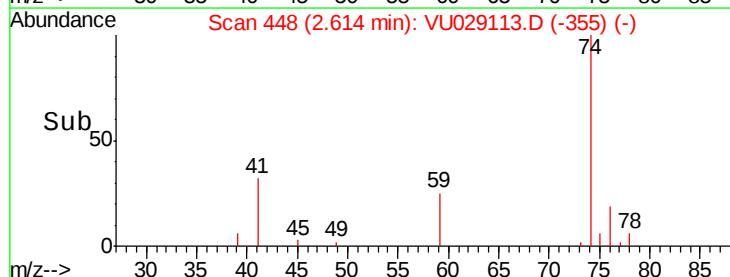
30000

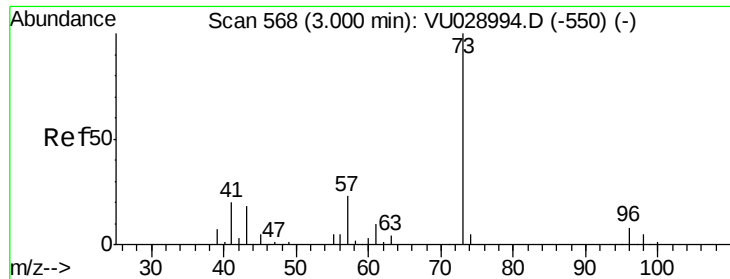
20000

10000

0

Time-->





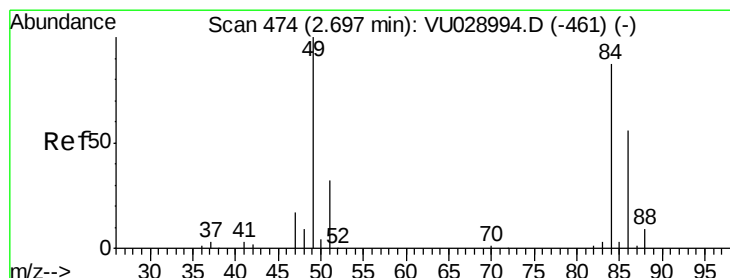
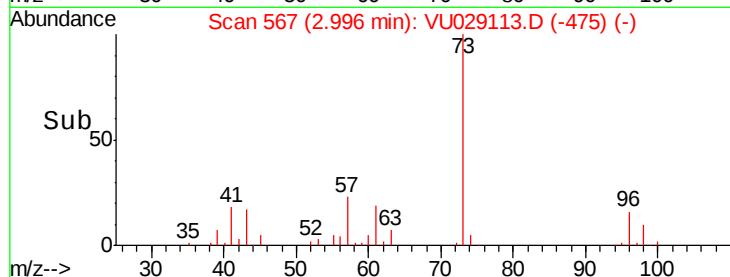
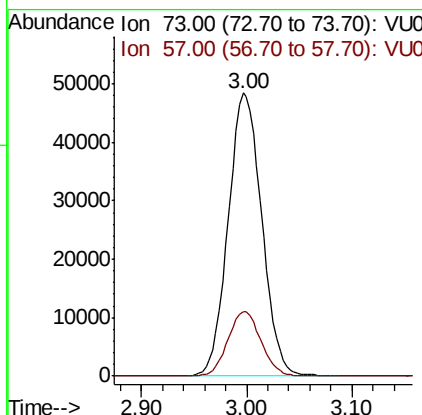
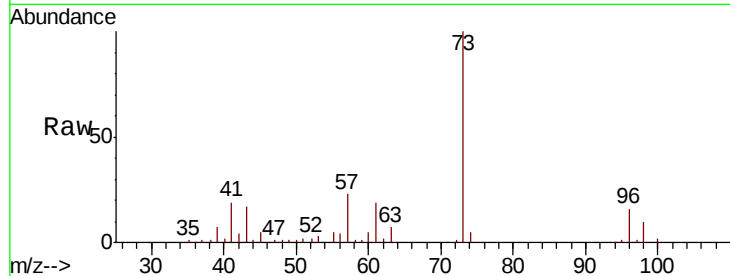
#19
Methyl tert-butyl Ether
Concen: 20.474 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion: 73 Resp: 106752
Ion Ratio Lower Upper
73 100
57 22.9 18.6 28.0

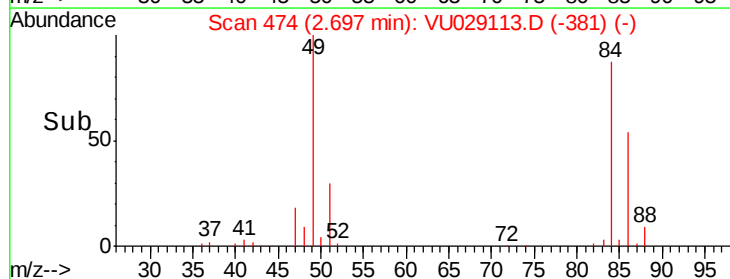
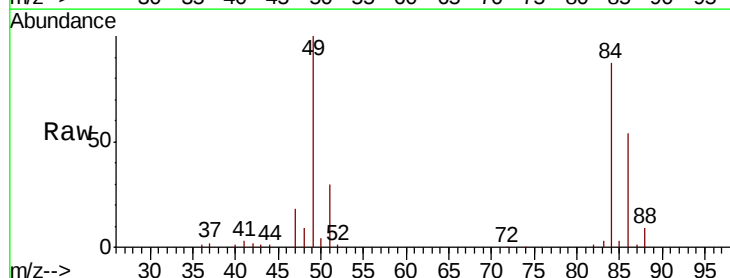
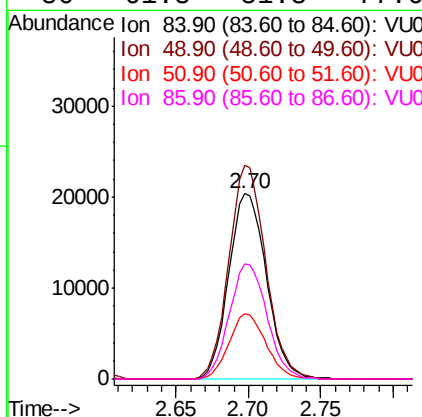
Manual Integrations
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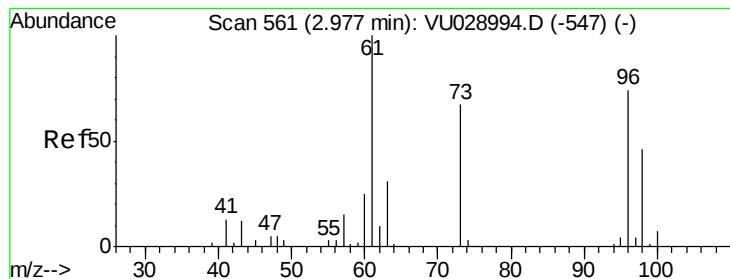
MMDadoda
1/11/2019 10:03:39 AM



#20
Methylene Chloride
Concen: 19.487 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion: 84 Resp: 36844
Ion Ratio Lower Upper
84 100
49 115.1 91.9 137.9
51 35.0 29.2 43.8
86 61.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.142 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion: 96 Resp: 32982

Ion Ratio Lower Upper

96 100

61 136.9 107.7 161.5

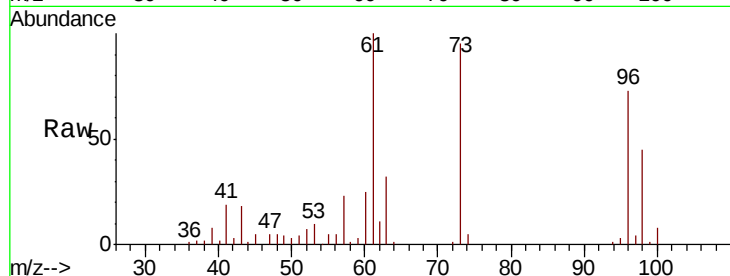
98 62.2 49.2 73.8

Manual Integrations

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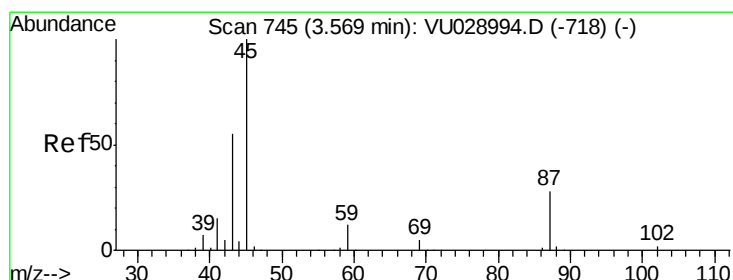
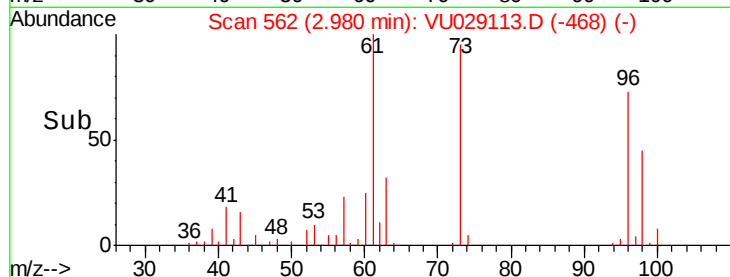
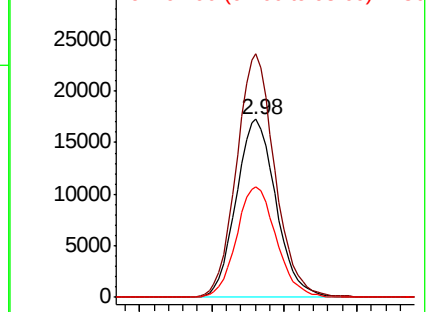


Abundance

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



#22

Diisopropyl ether

Concen: 20.037 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Tgt Ion: 45 Resp: 107758

Ion Ratio Lower Upper

45 100

43 62.1 44.7 67.1

87 28.6 22.2 33.2

59 13.2 9.8 14.8

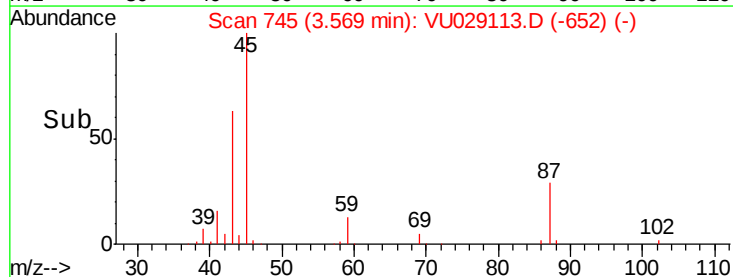
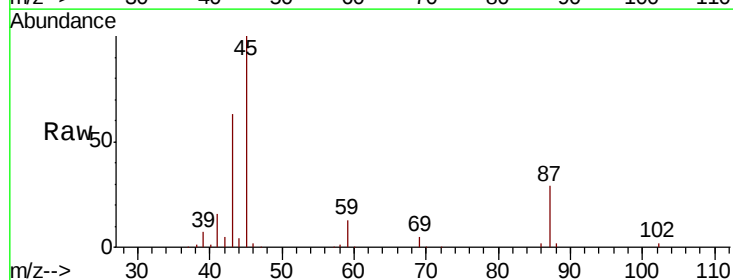
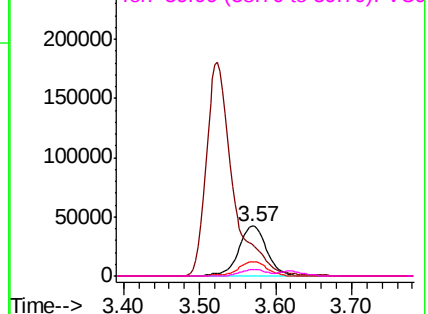
Abundance

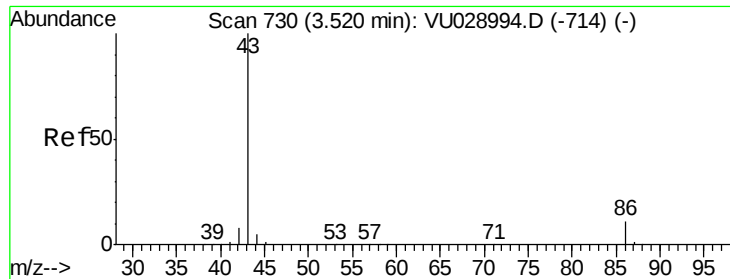
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 99.945 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion: 43 Resp: 439412

Ion Ratio Lower Upper

43 100

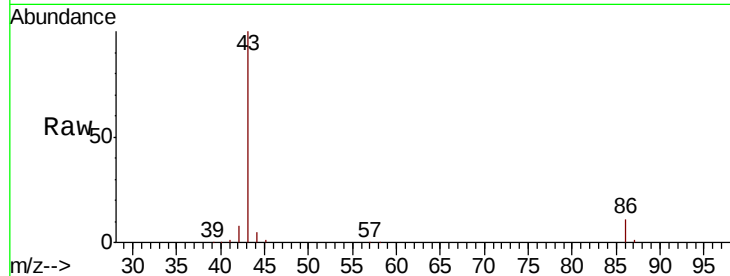
86 11.3 8.6 13.0

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

200000

150000

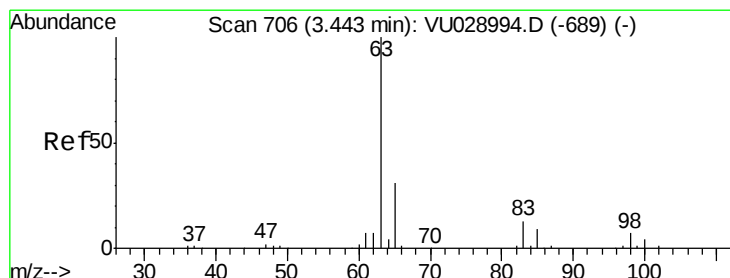
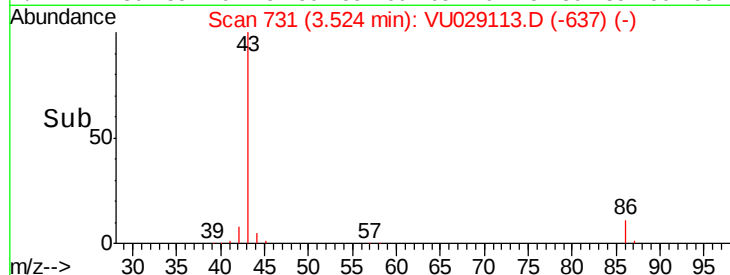
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 19.948 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

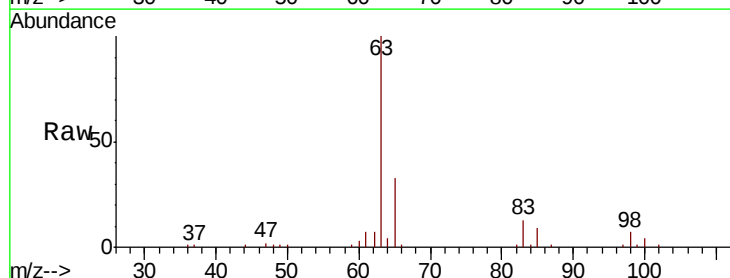
Tgt Ion: 63 Resp: 61929

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

30000

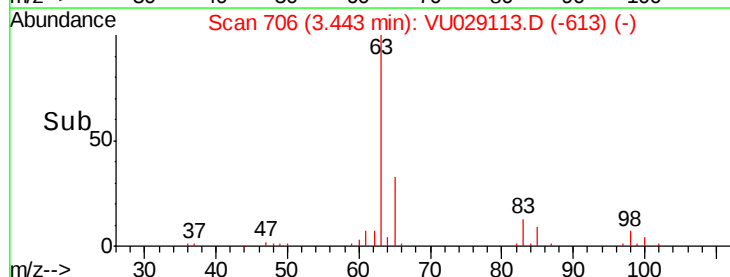
20000

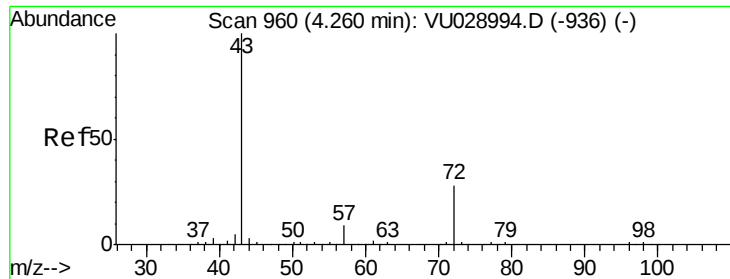
10000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 101.201 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion: 43 Resp: 152211

Ion Ratio Lower Upper

43 100

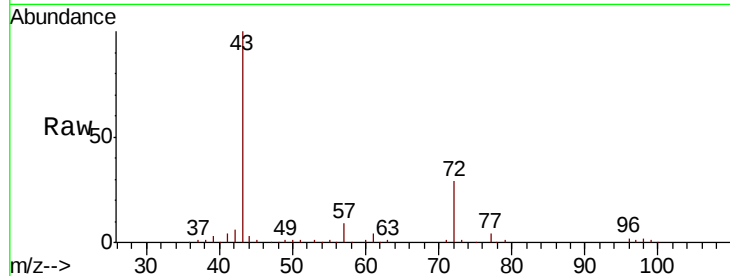
72 28.5 22.6 33.8

Manual Integrations

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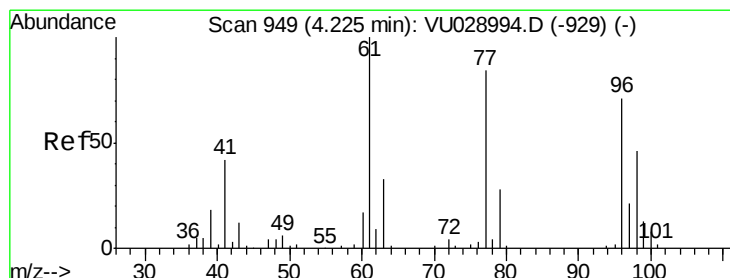
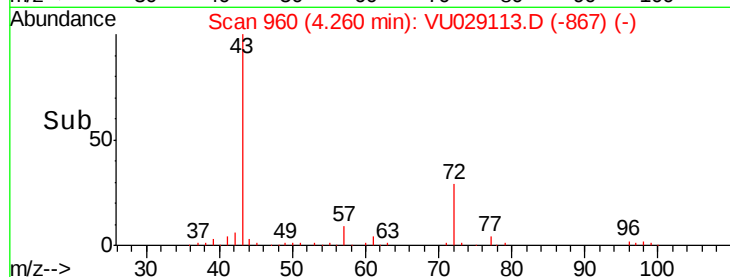
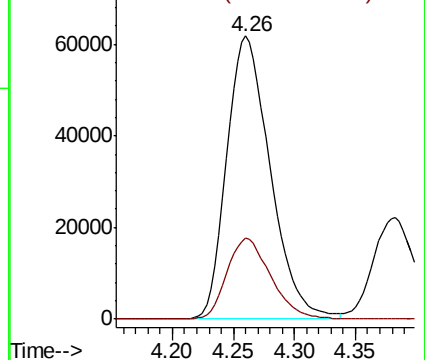
MMDadoda

1/11/2019 10:03:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.482 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029113.D

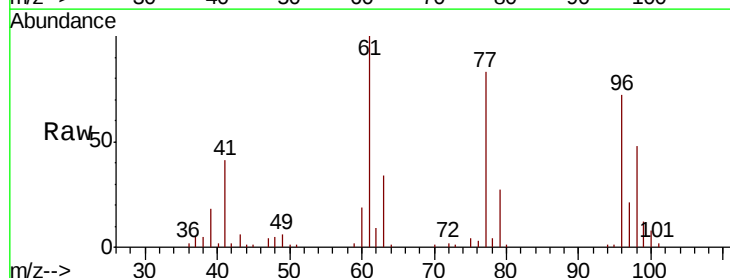
Acq: 10 Jan 2019 13:03

Tgt Ion: 77 Resp: 48871

Ion Ratio Lower Upper

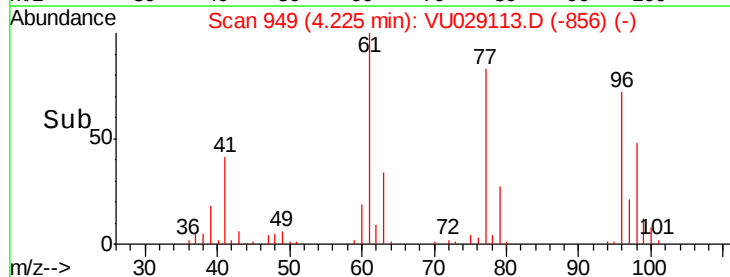
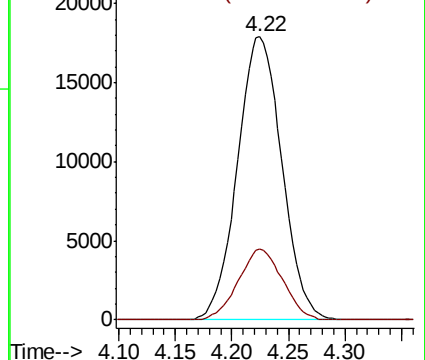
77 100

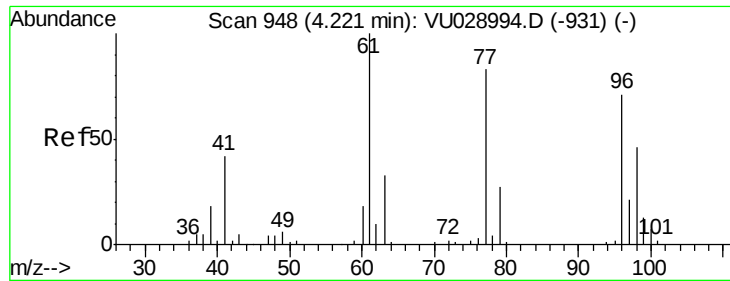
97 24.8 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

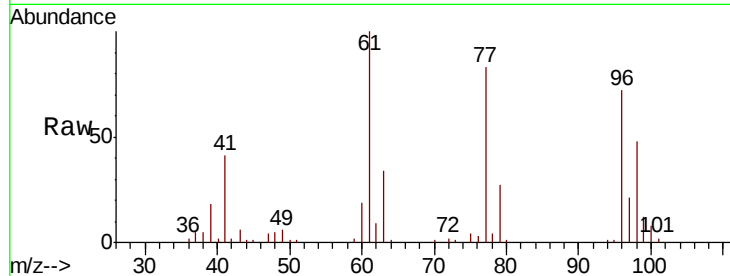
cis-1,2-Dichloroethene
Concen: 20.066 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	285.6
98	66.1	0.0	130.2

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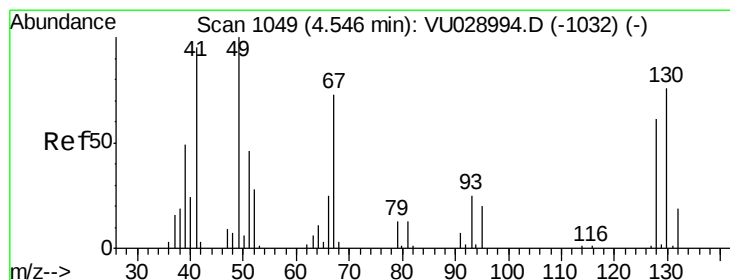
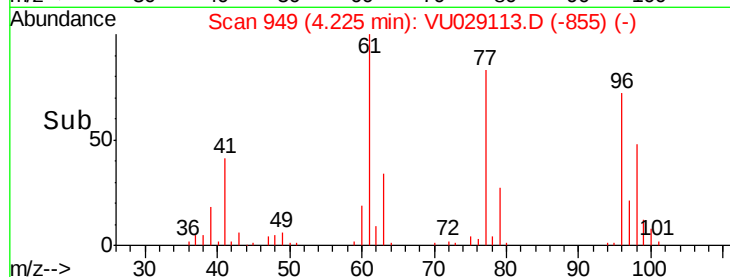
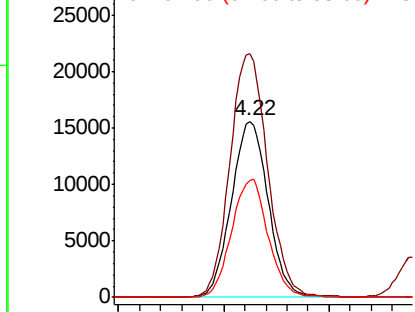


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

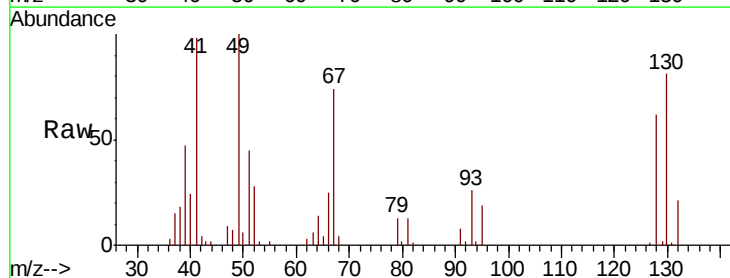
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 20.577 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	80.6	62.9	94.3

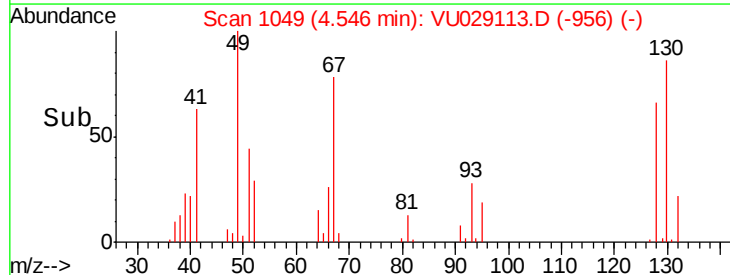
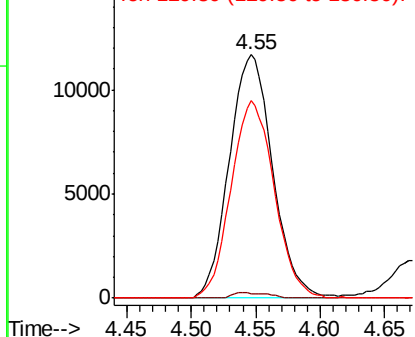


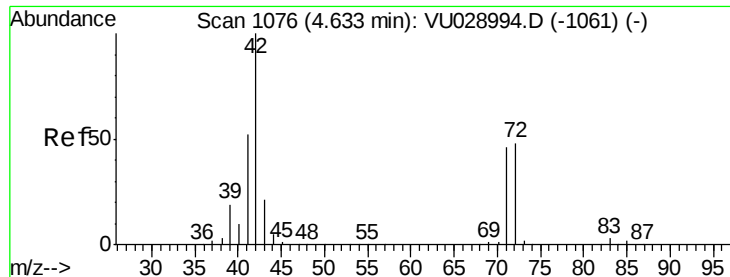
Abundance

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





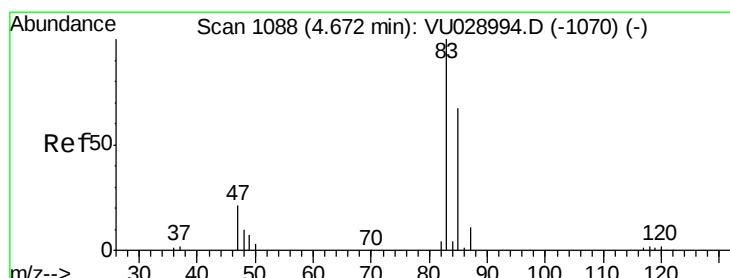
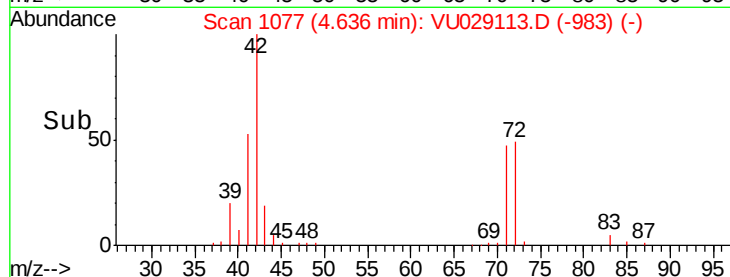
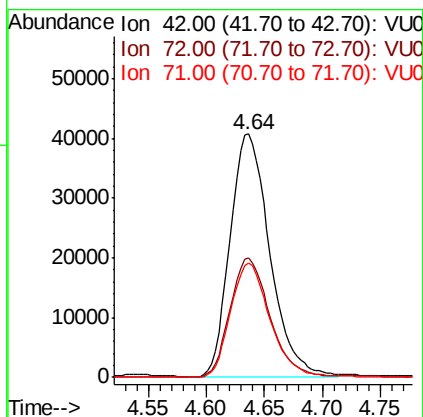
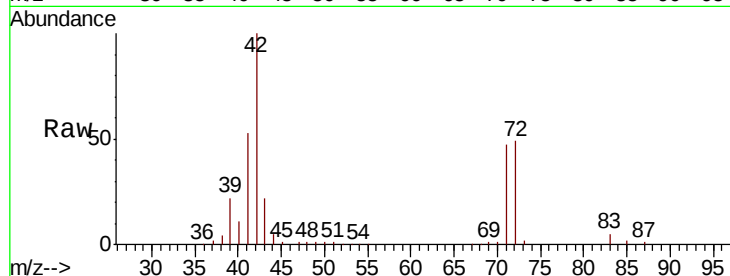
#29
Tetrahydrofuran
Concen: 106.798 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.3	57.5
71	46.8	36.1	54.1

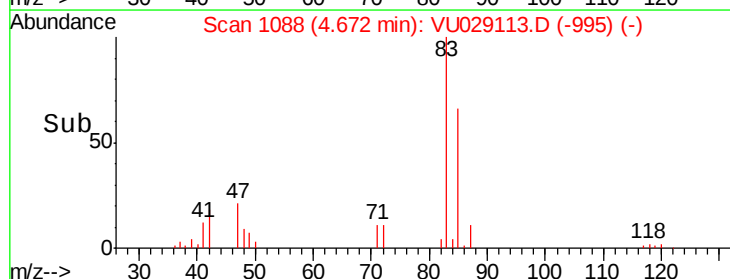
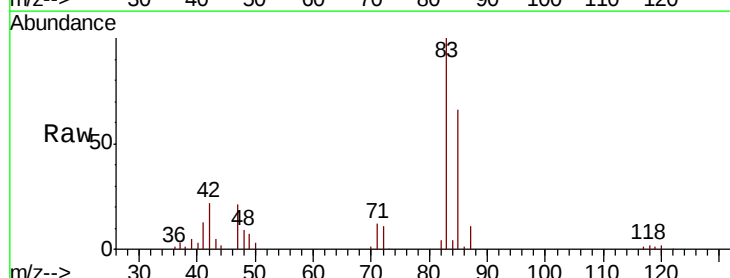
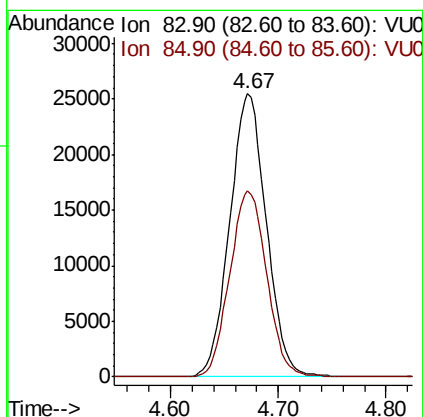
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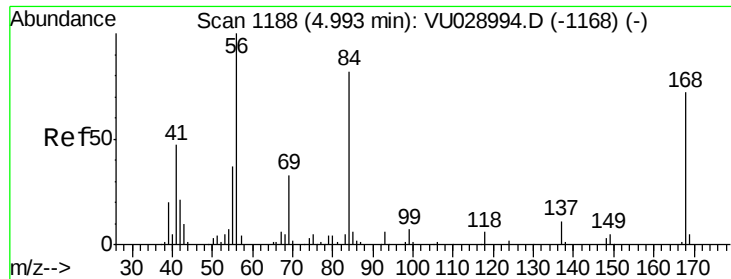
MMDadoda
1/11/2019 10:03:39 AM



#30
Chloroform
Concen: 20.370 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.4	80.0





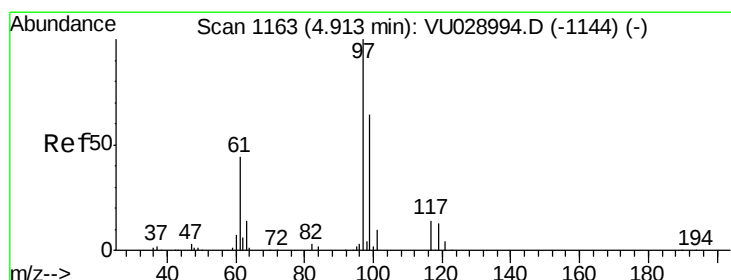
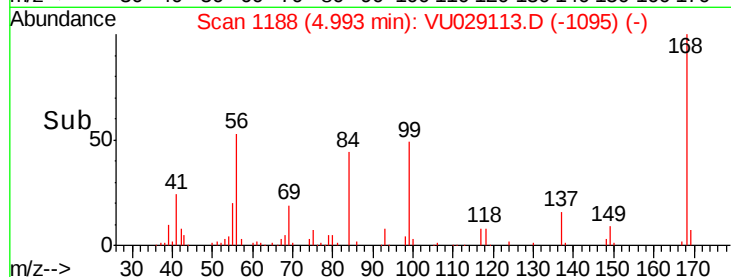
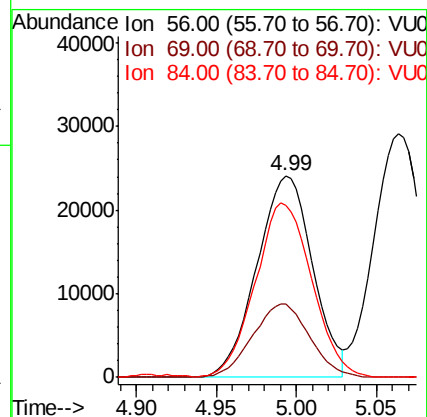
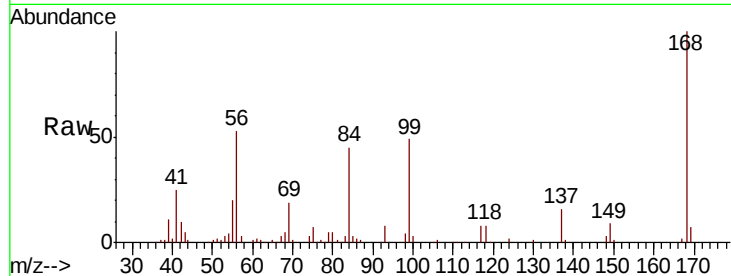
#31
Cyclohexane
Concen: 19.102 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.3	26.7	40.1
84	84.9	65.7	98.5

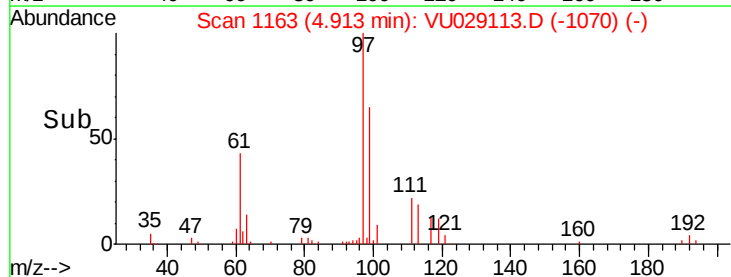
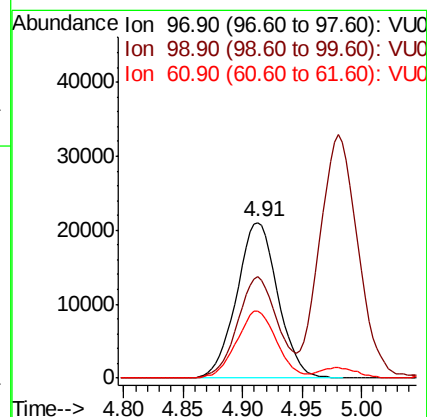
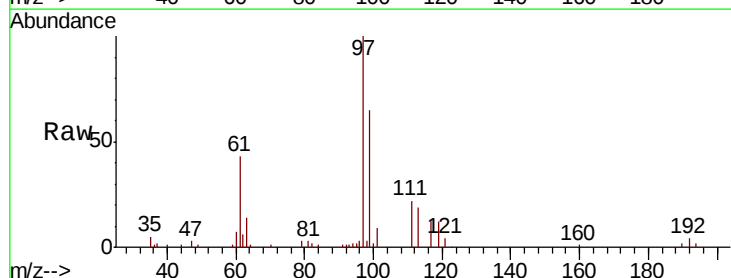
Manual Integrations
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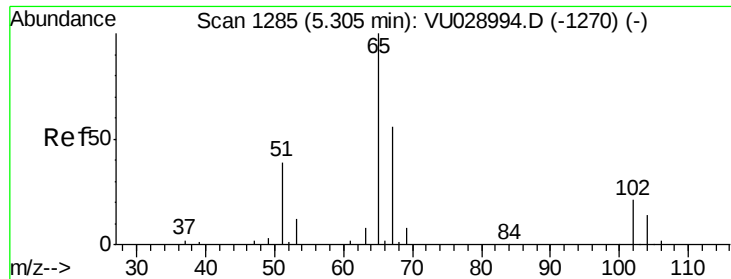
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1/11/2019 10:03:39 AM



#32
1,1,1-Trichloroethane
Concen: 20.625 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	42.2	34.4	51.6





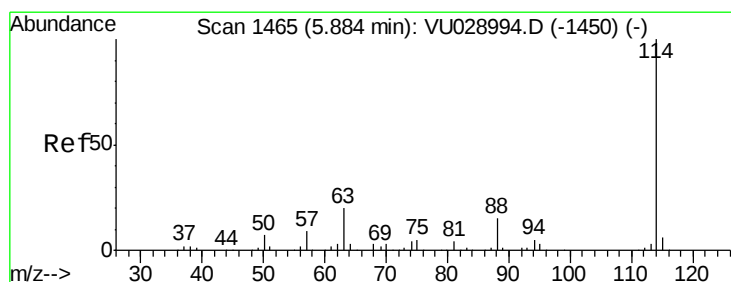
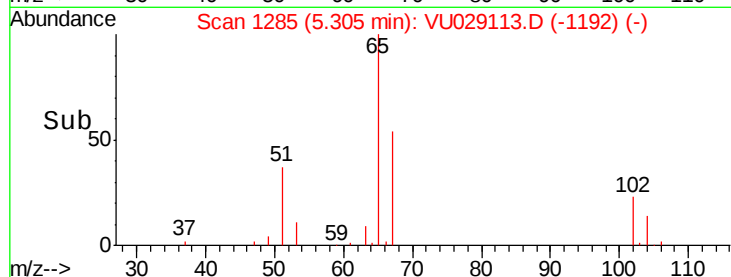
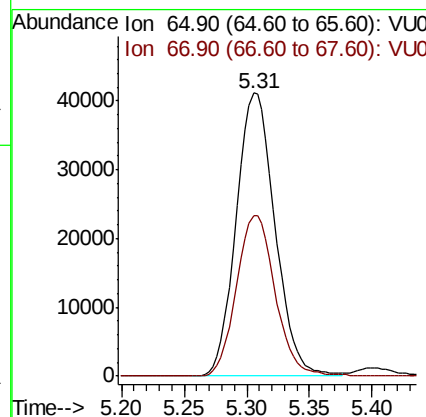
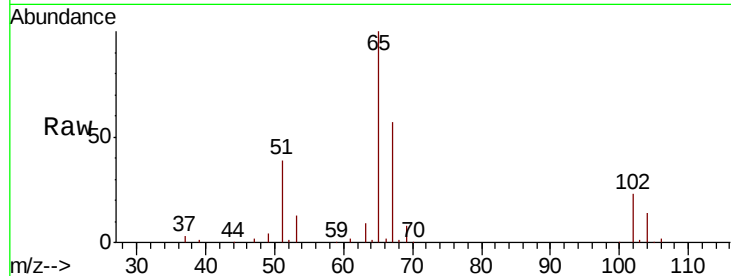
#33
 1,2-Dichloroethane-d4
 Concen: 50.200 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	88737		
67	56.3	0.0	111.0	

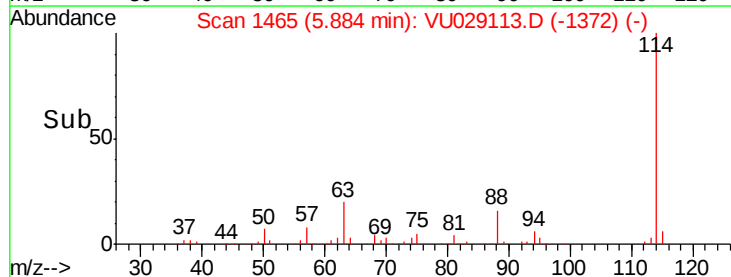
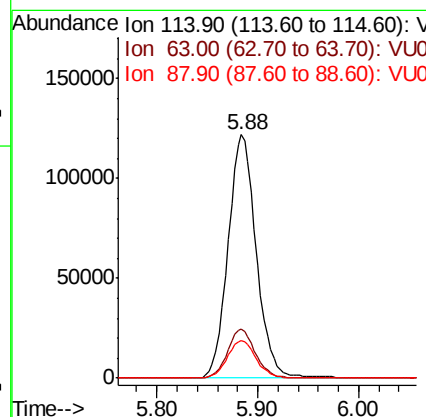
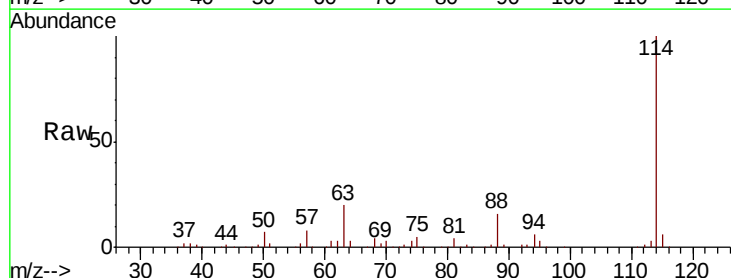
Manual Integrations
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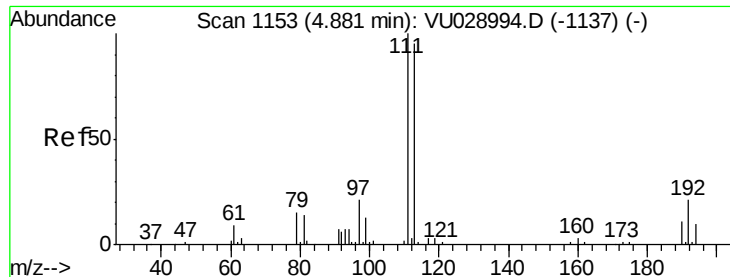
MMDadoda
 1/11/2019 10:03:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	237545		
63	20.2	0.0	40.2	
88	15.6	0.0	30.4	





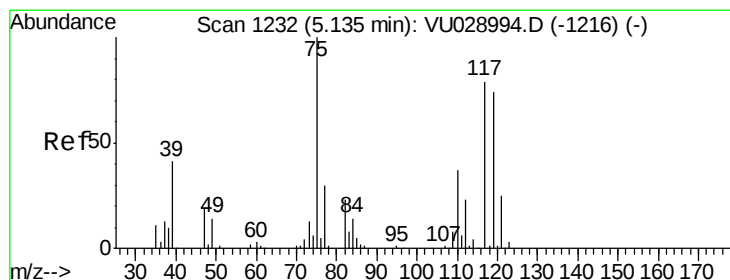
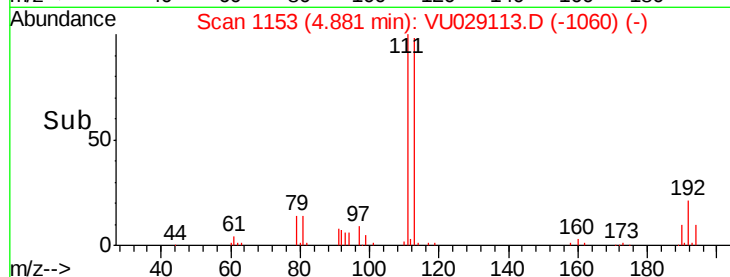
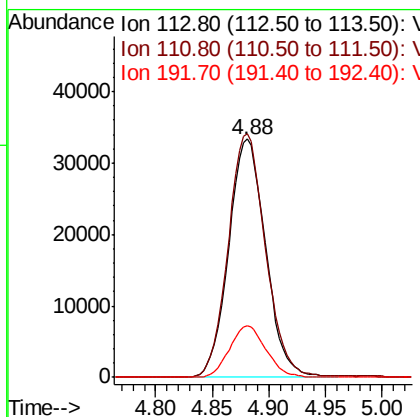
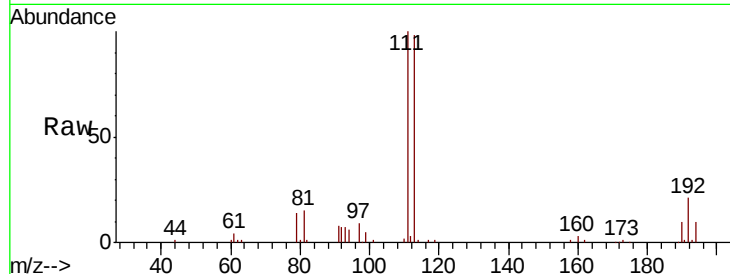
#35
 Dibromofluoromethane
 Concen: 49.354 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.4	122.2
192	21.3	16.8	25.2

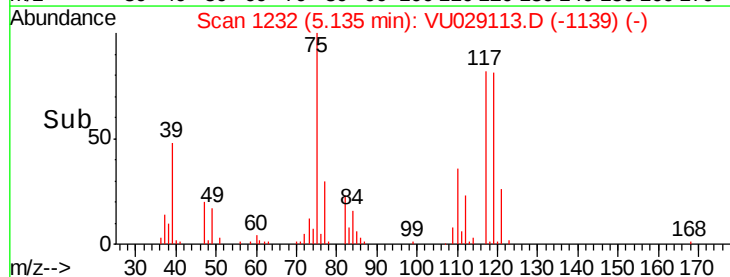
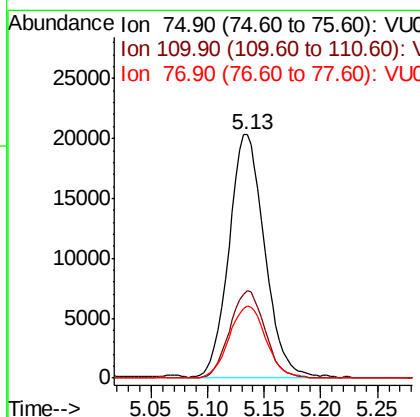
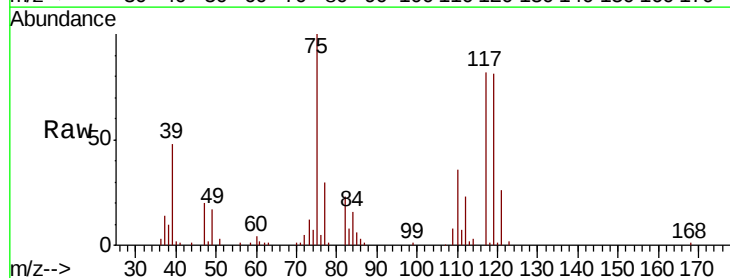
Manual Integrations
 APPROVED

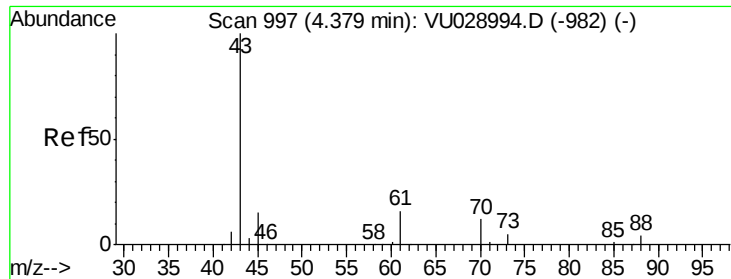
MMDadoda
 1/11/2019 10:03:39 AM



#36
 1,1-Dichloropropene
 Concen: 18.902 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	18.4	55.4
77	30.4	25.1	37.7





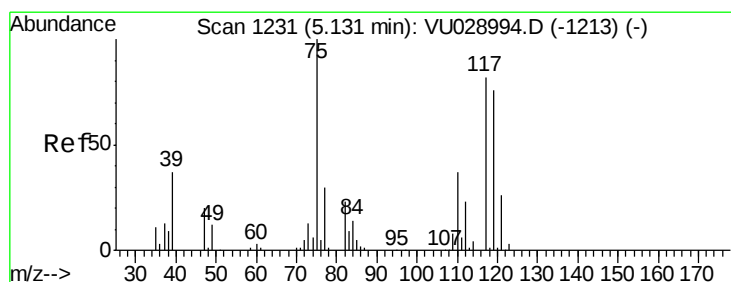
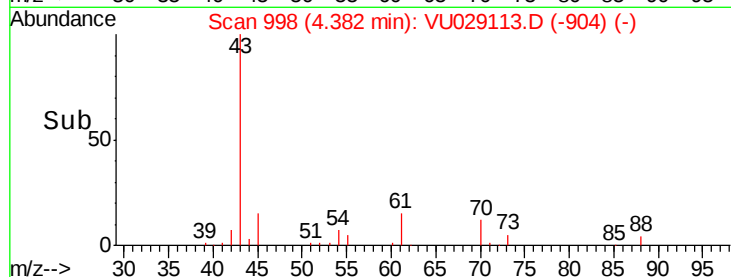
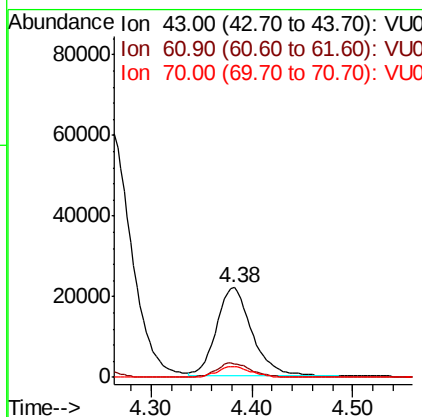
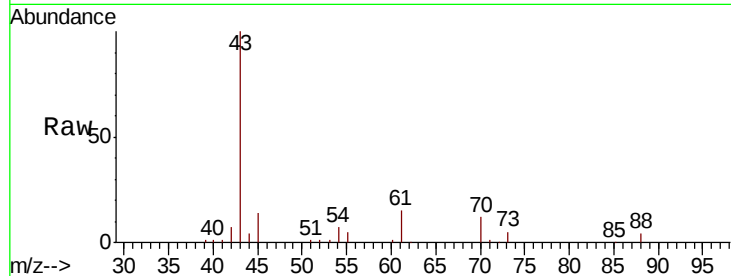
#37
Ethyl Acetate
Concen: 20.831 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.6	18.8
70	11.6	9.3	13.9

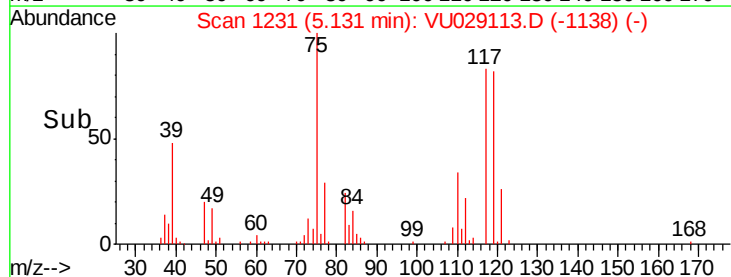
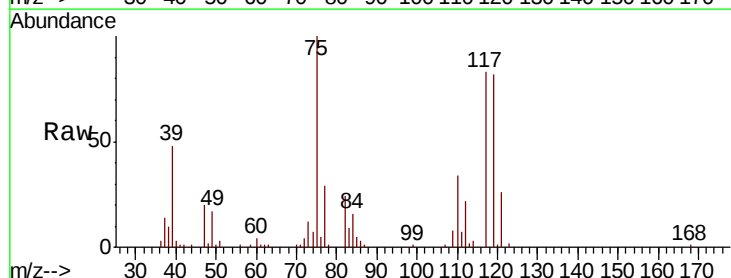
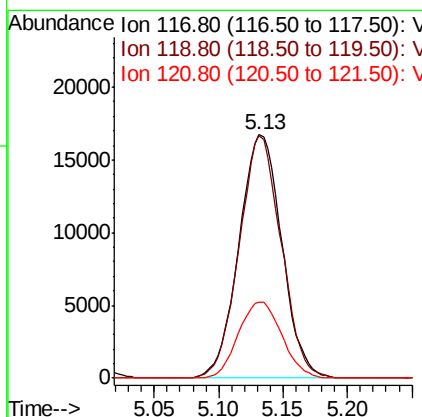
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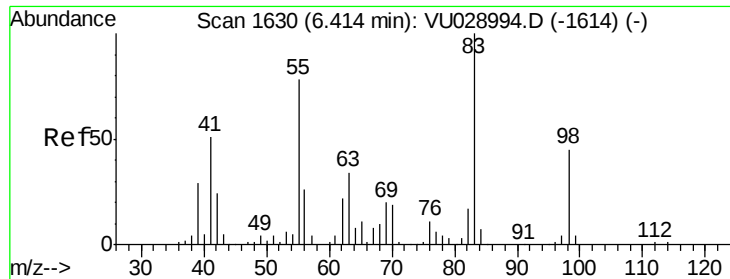
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1/11/2019 10:03:39 AM



#38
Carbon Tetrachloride
Concen: 19.538 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	74.6	111.8
121	31.4	25.0	37.6





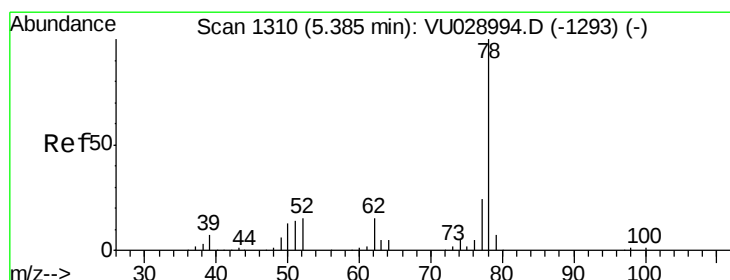
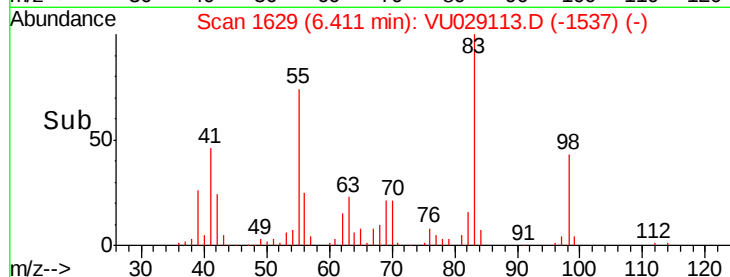
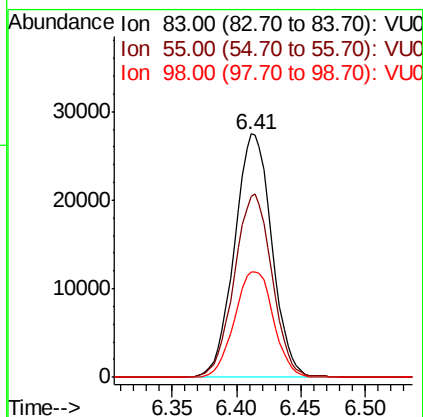
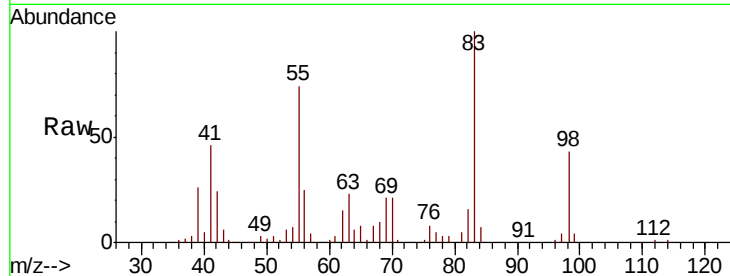
#39
Methylcyclohexane
Concen: 18.962 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	55350		
55	74.3	62.4	93.6	
98	43.5	36.2	54.2	

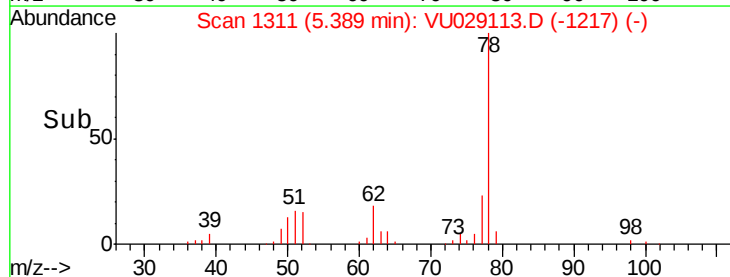
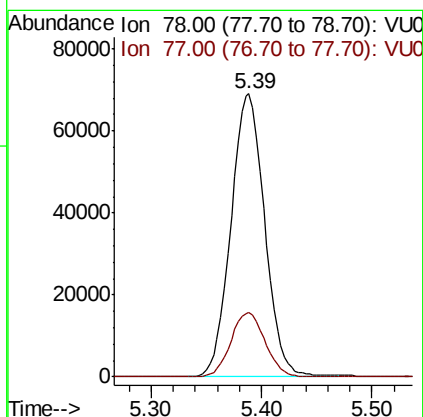
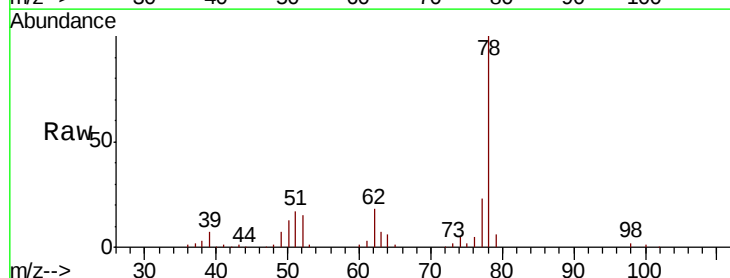
Manual Integrations
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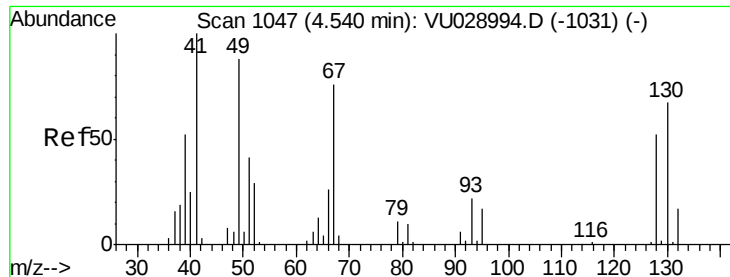
MMDadoda
1/11/2019 10:03:39 AM



#40
Benzene
Concen: 19.797 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	146621		
77	22.7	18.9	28.3	





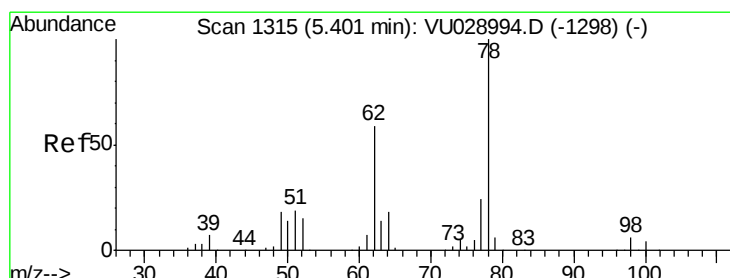
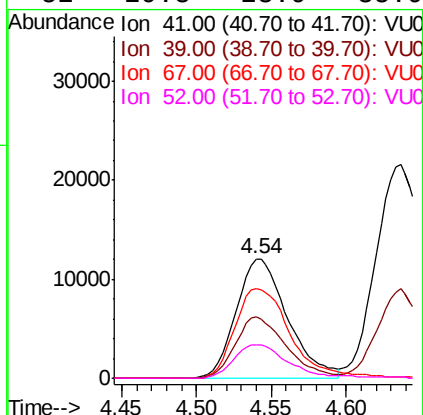
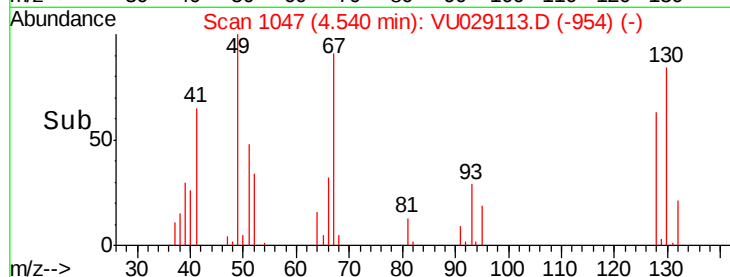
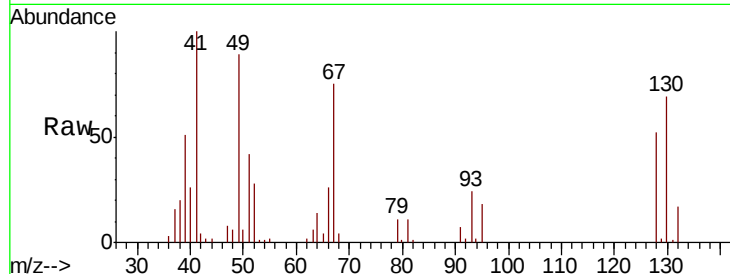
#41
Methacrylonitrile
Concen: 20.684 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.6	42.3	63.5	
67	81.2	64.4	96.6	
52	29.8	23.9	35.9	

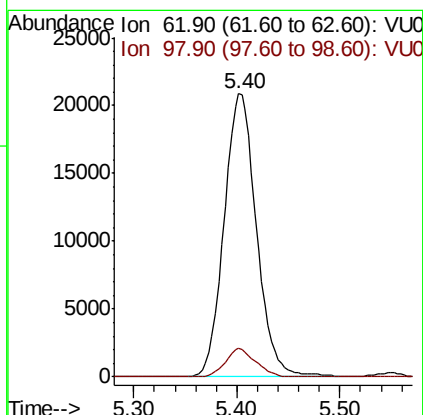
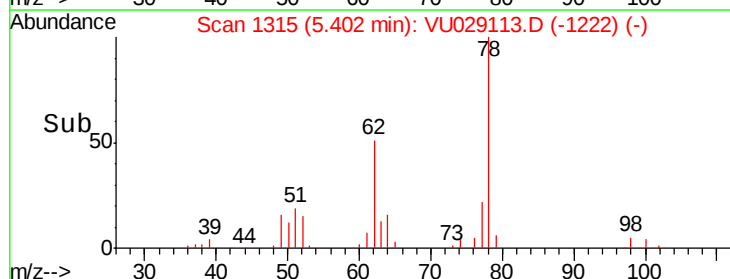
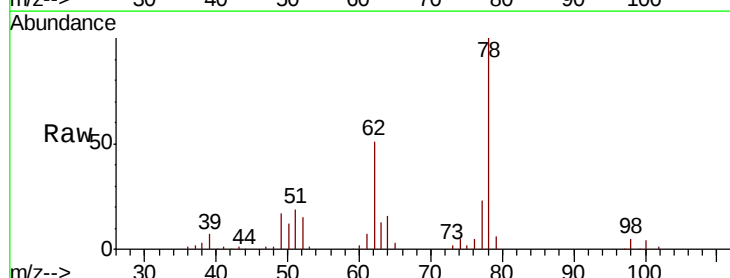
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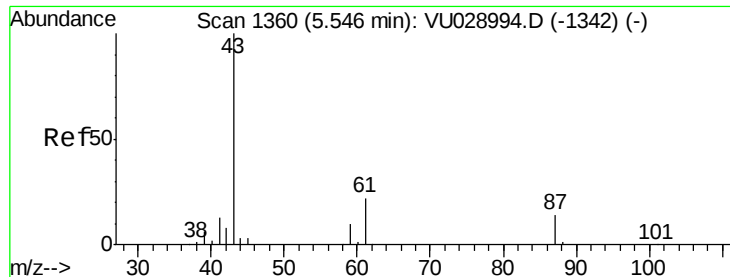
MMDadoda
1/11/2019 10:03:39 AM



#42
1,2-Dichloroethane
Concen: 20.479 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	19.6	





#43

Isopropyl Acetate

Concen: 20.880 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

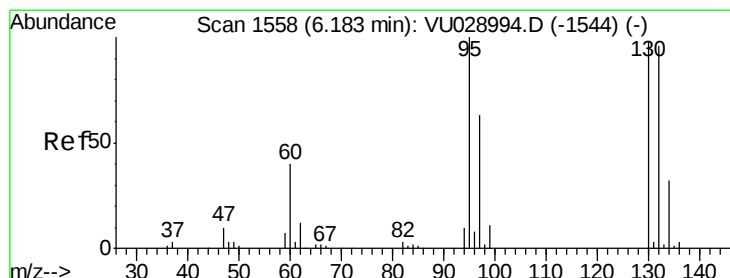
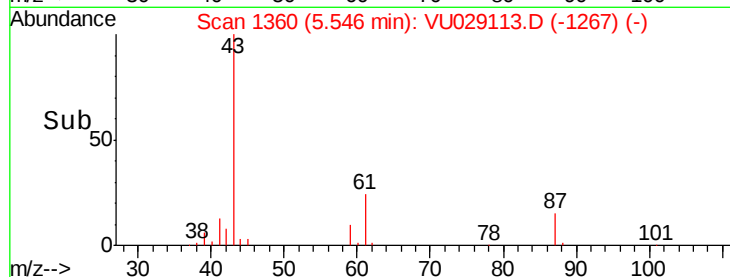
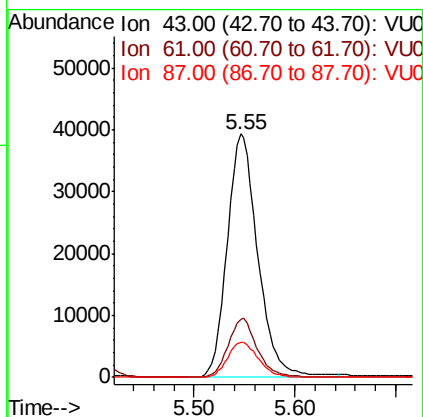
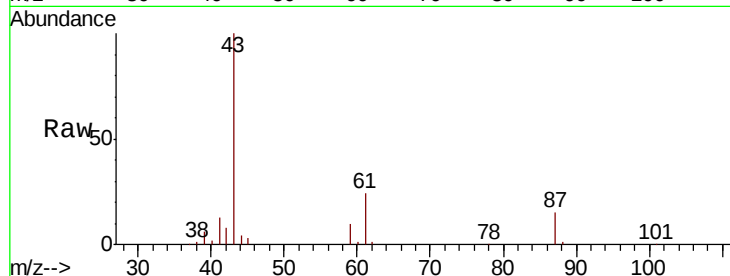
ClientSampleId :

VU0110WBS01

Tgt Ion:	43	Resp:	83476
Ion	Ratio	Lower	Upper
43	100		
61	23.0	17.8	26.6
87	14.4	11.3	16.9

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#44

Trichloroethene

Concen: 18.996 ug/l

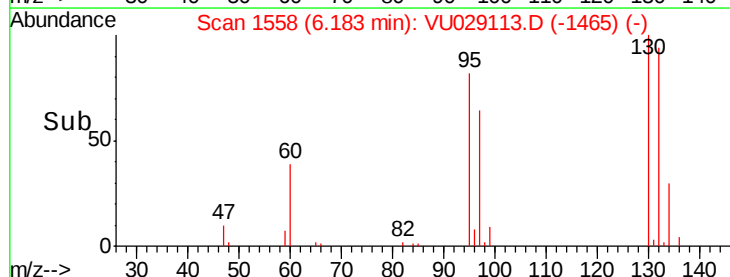
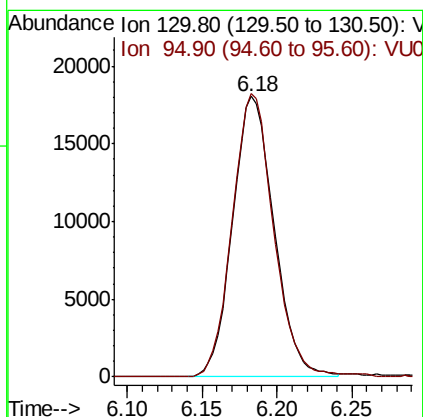
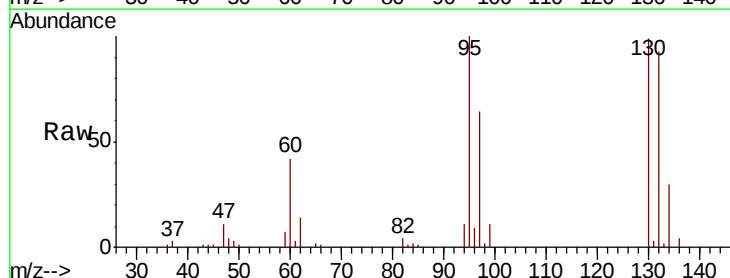
RT: 6.18 min Scan# 1558

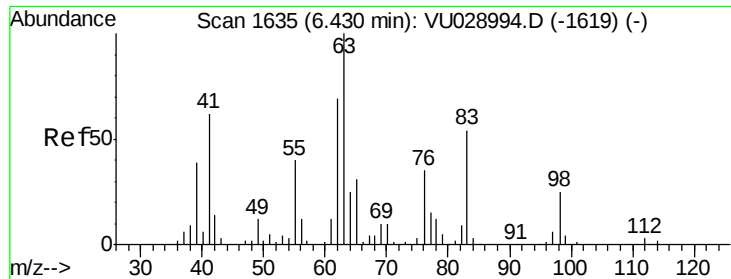
Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Tgt Ion:	130	Resp:	34860
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	205.0





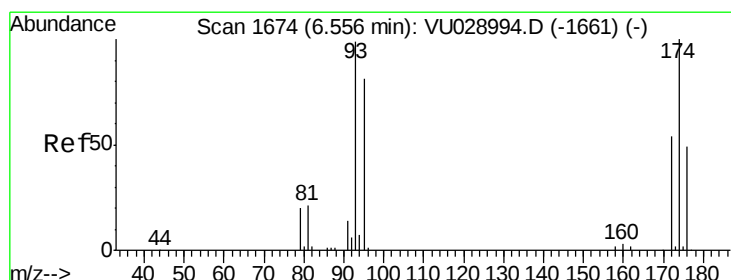
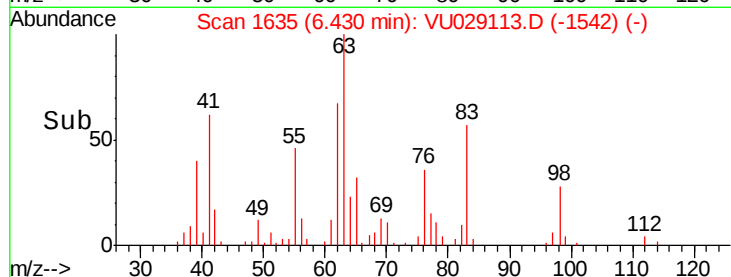
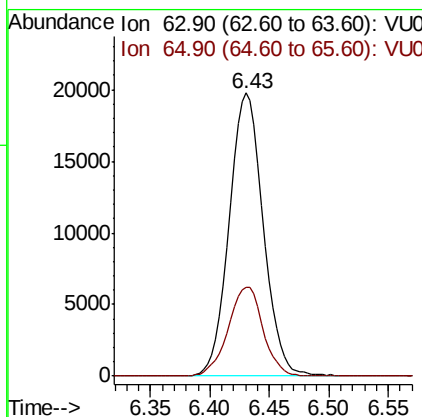
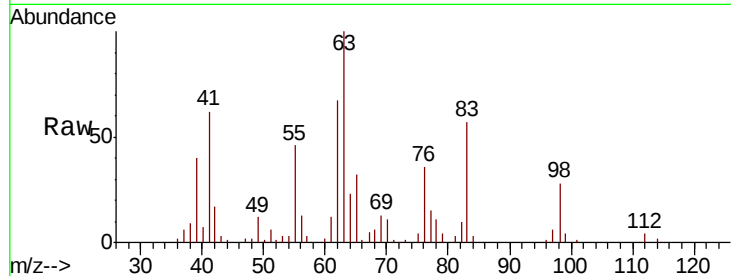
#45
 1,2-Dichloropropane
 Concen: 20.054 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Tgt Ion: 63 Resp: 39223
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.1 37.7

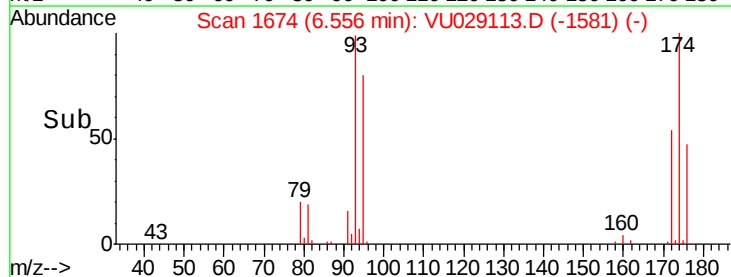
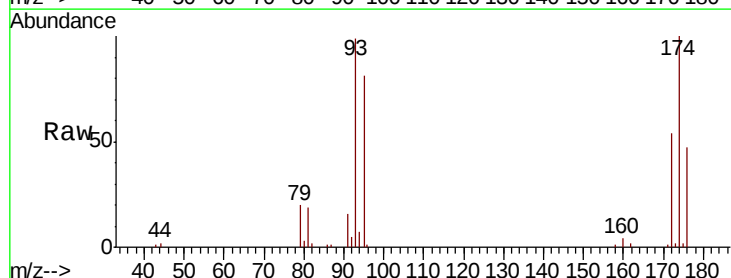
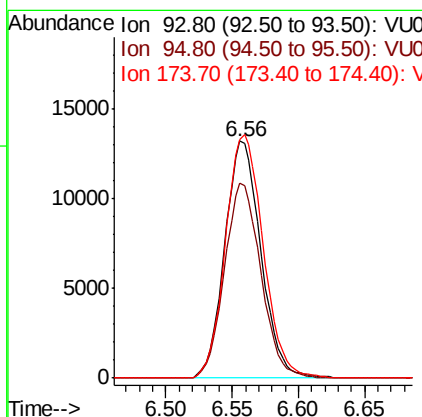
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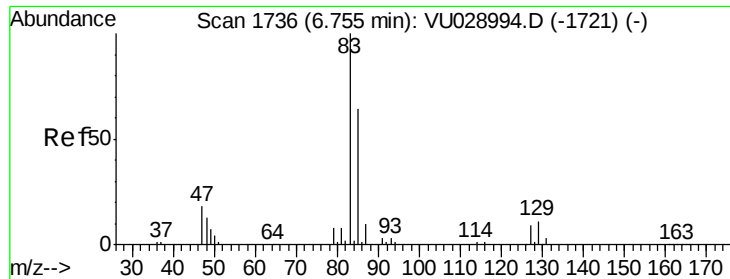
MMDadoda
 1/11/2019 10:03:39 AM



#46
 Dibromomethane
 Concen: 20.042 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Tgt Ion: 93 Resp: 25058
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.2 100.8
 174 106.9 82.6 123.8





#47

Bromodichloromethane

Concen: 19.807 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

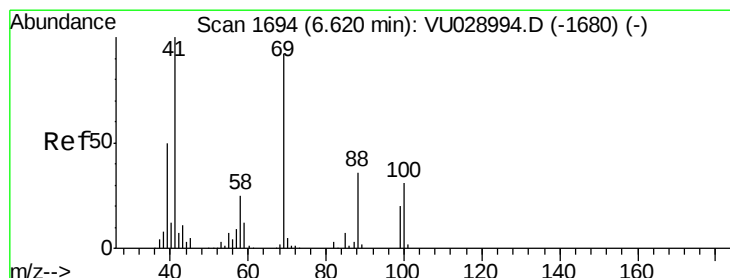
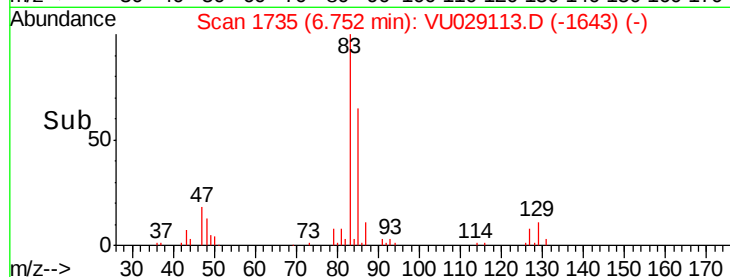
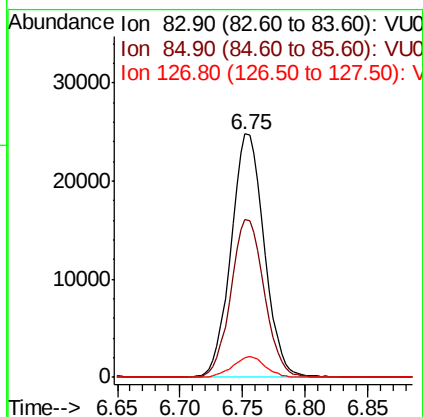
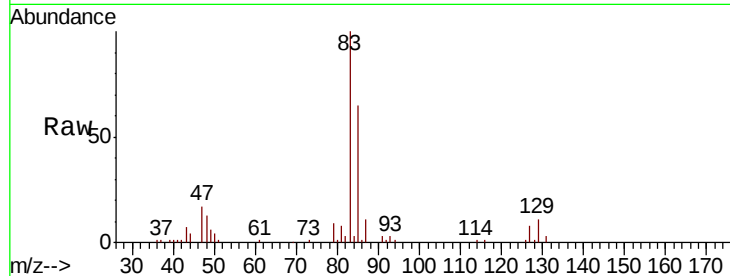
ClientSampleId :

VU0110WBS01

Tgt Ion:	83	Resp:	45596
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2
127	8.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.284 ug/l

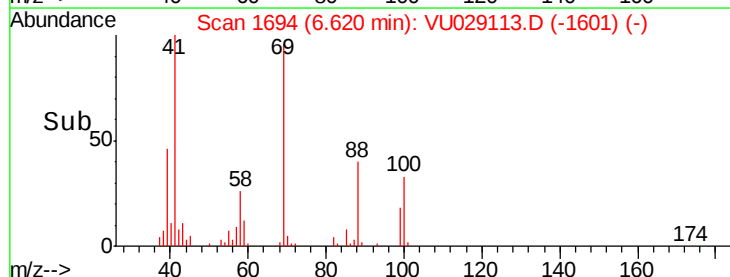
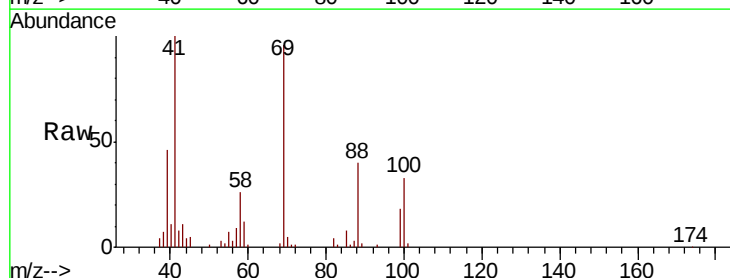
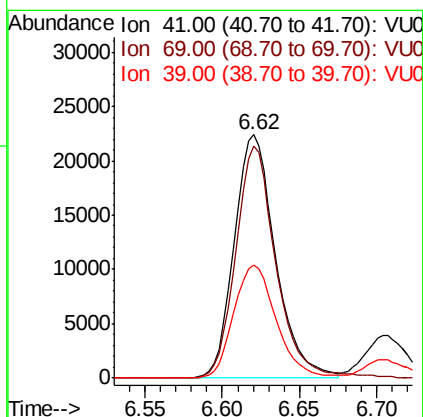
RT: 6.62 min Scan# 1694

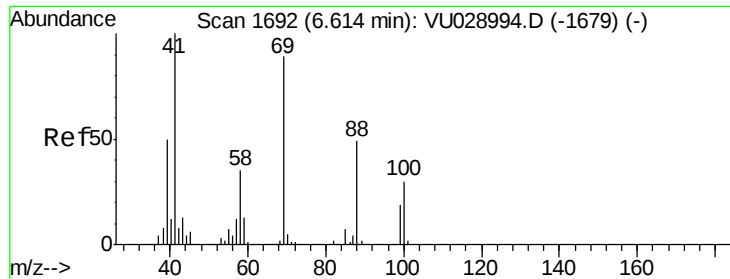
Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Tgt Ion:	41	Resp:	41434
Ion	Ratio	Lower	Upper
41	100		
69	93.4	73.6	110.4
39	47.7	39.6	59.4





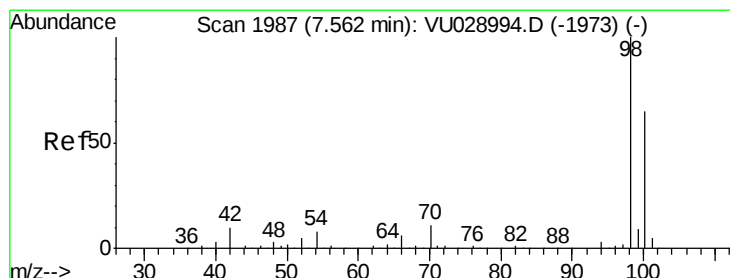
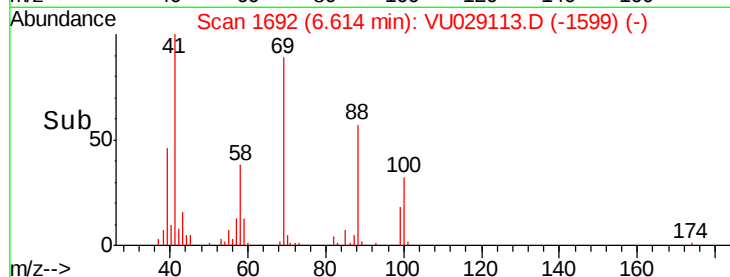
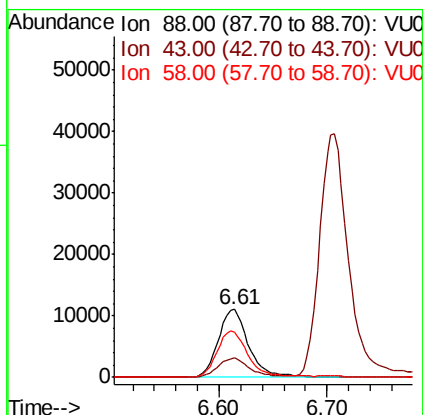
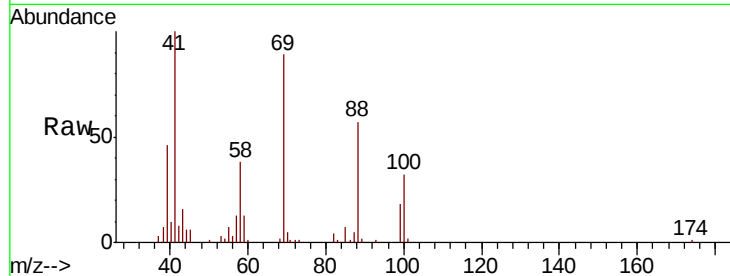
#49
1,4-Dioxane
Concen: 470.995 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.0	34.4
58	68.6	57.9	86.9

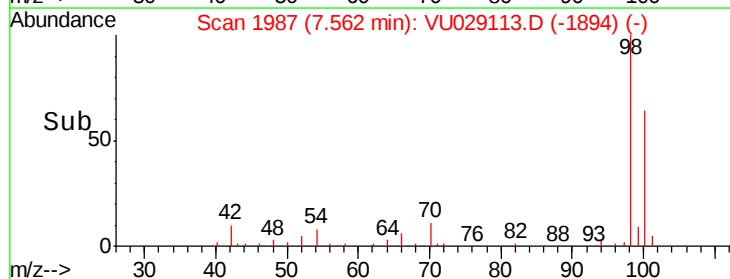
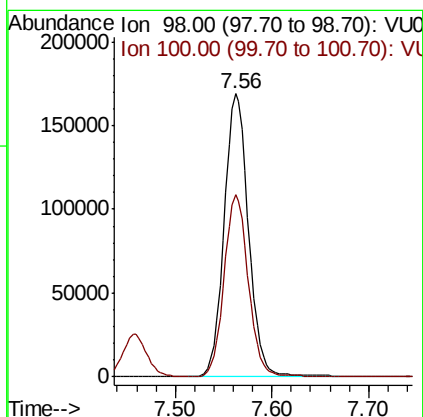
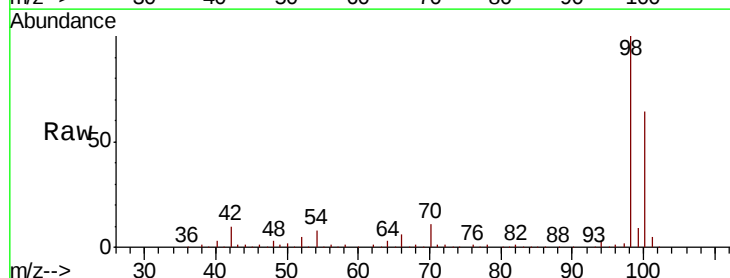
Manual Integrations
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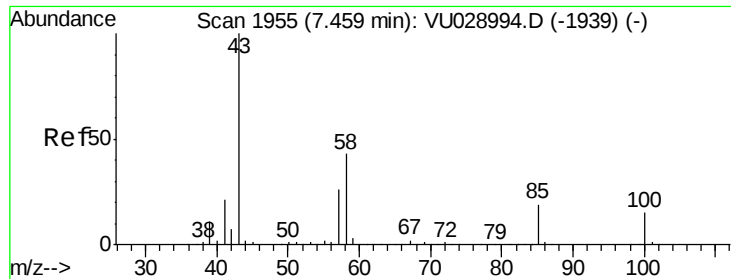
MMDadoda
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#50
Toluene-d8
Concen: 48.601 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.6	77.4





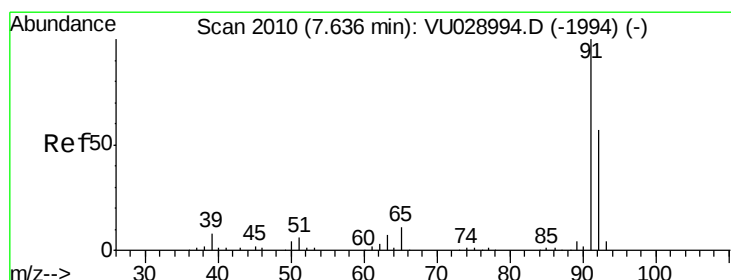
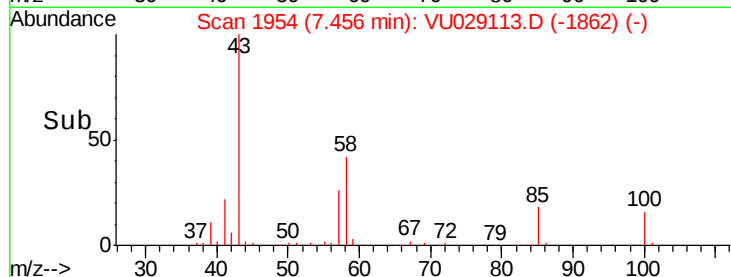
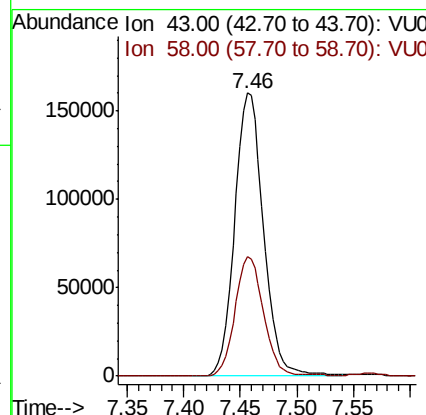
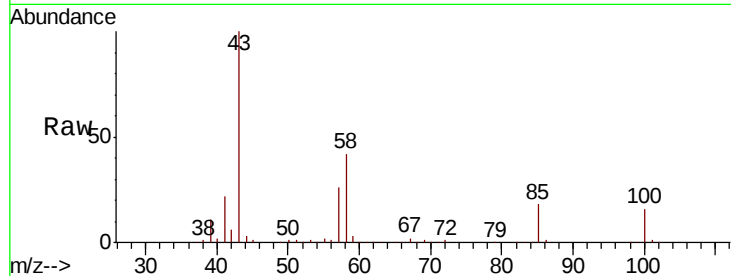
#51
4-Methyl-2-Pentanone
Concen: 104.377 ug/l
RT: 7.46 min Scan# 1954
Delta R.T. -0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion: 43 Resp: 283994
Ion Ratio Lower Upper
43 100
58 42.0 33.9 50.9

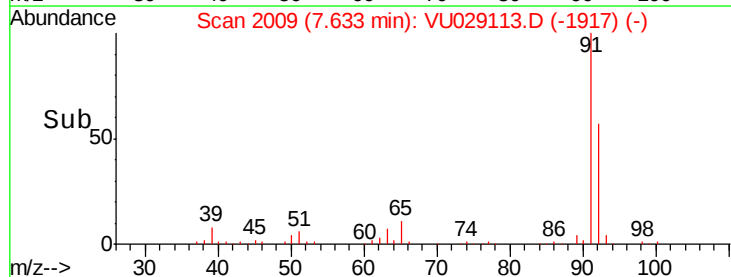
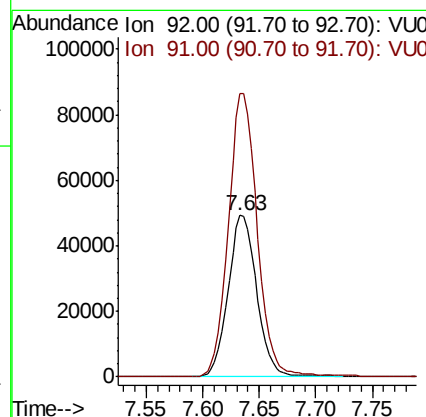
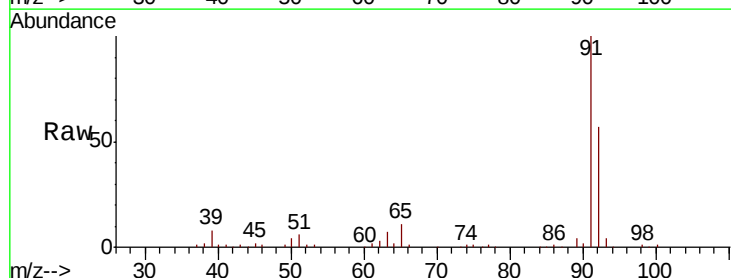
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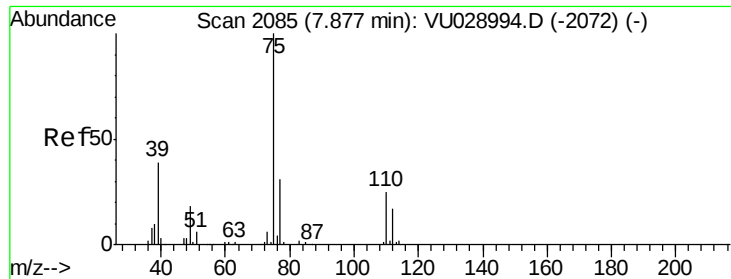
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#52
Toluene
Concen: 19.358 ug/l
RT: 7.63 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion: 92 Resp: 87281
Ion Ratio Lower Upper
92 100
91 176.5 139.8 209.8





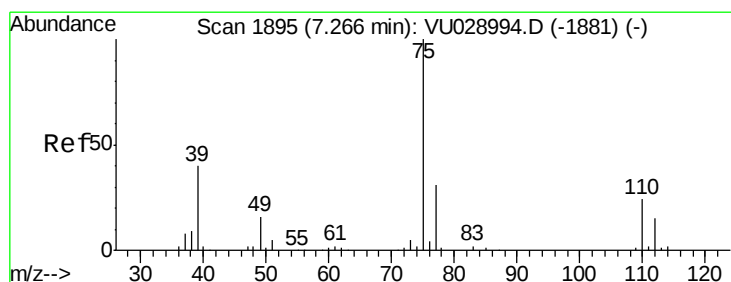
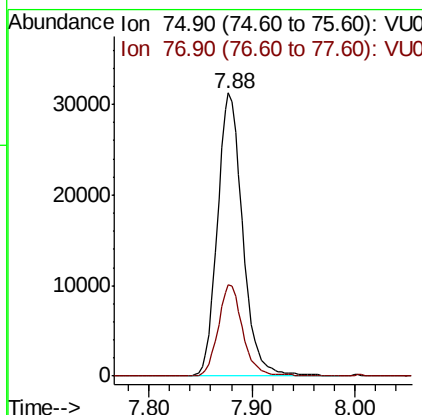
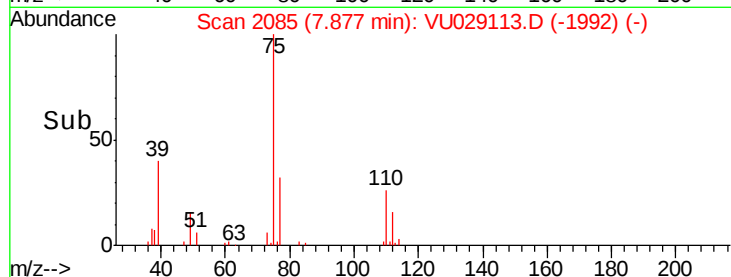
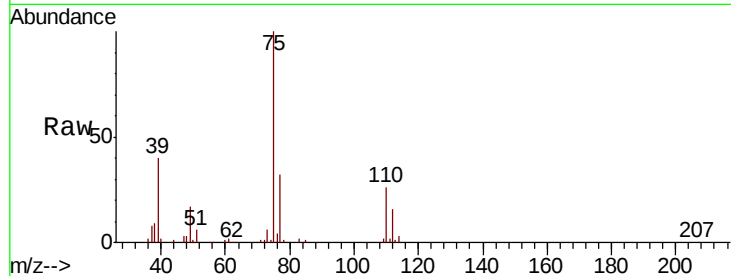
#53
t-1,3-Dichloropropene
Concen: 19.275 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion: 75 Resp: 53301
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.4

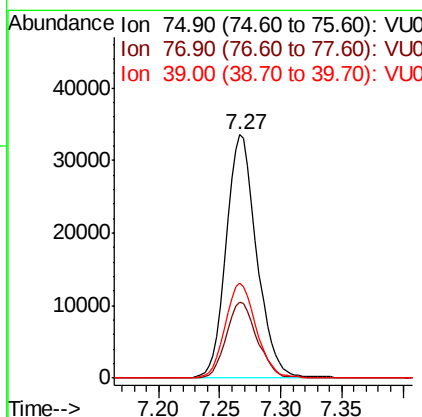
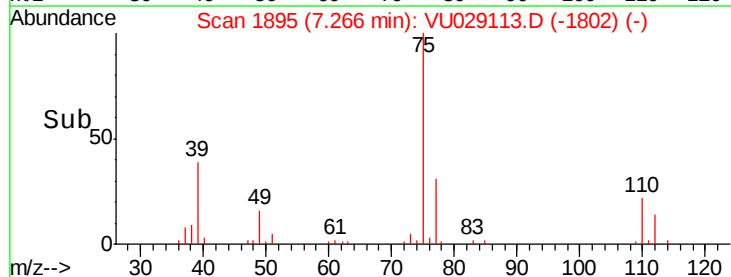
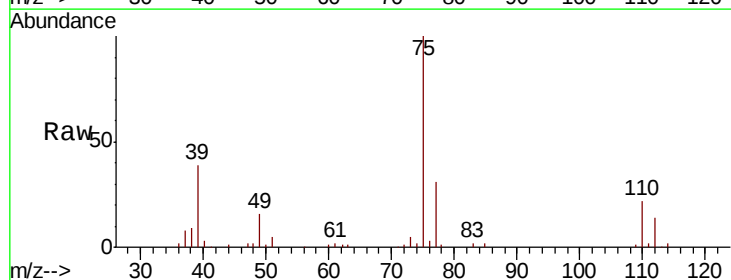
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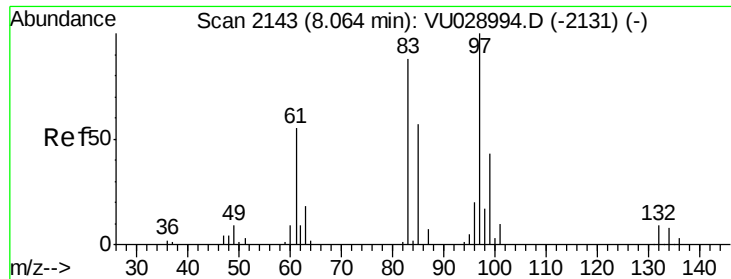
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#54
cis-1,3-Dichloropropene
Concen: 19.724 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion: 75 Resp: 58938
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6
39 39.2 32.2 48.4





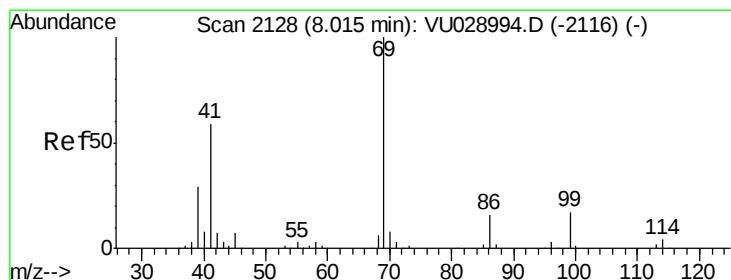
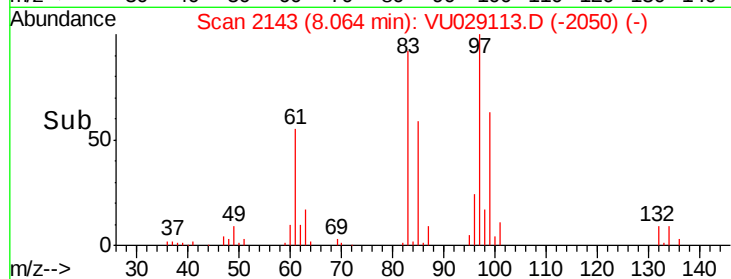
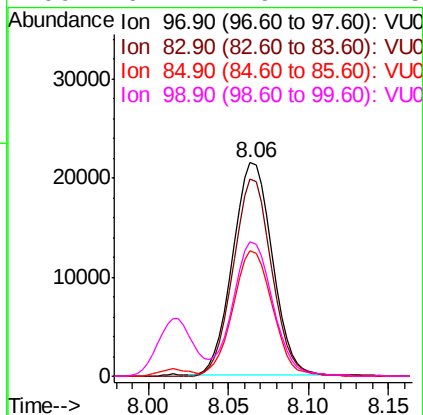
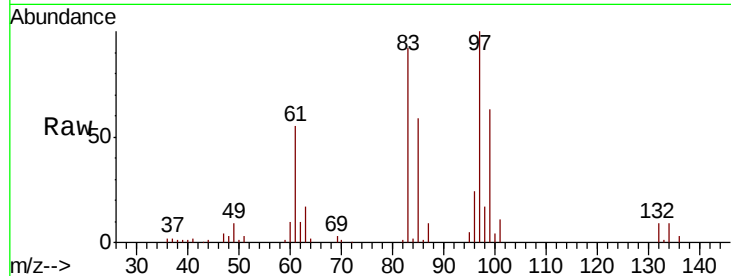
#55
1,1,2-Trichloroethane
Concen: 20.084 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.6	69.8	104.8
85	58.3	47.3	70.9
99	62.7	49.7	74.5

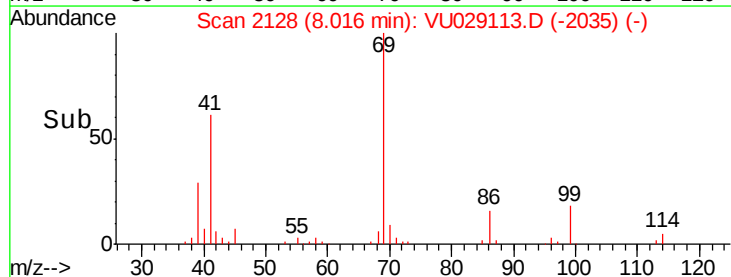
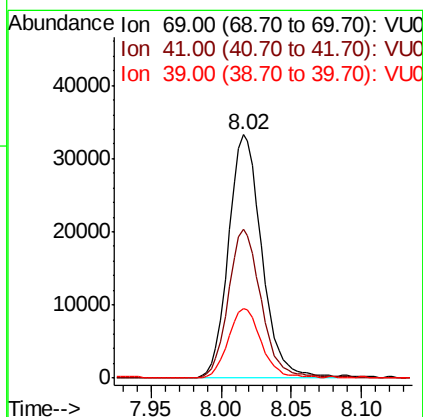
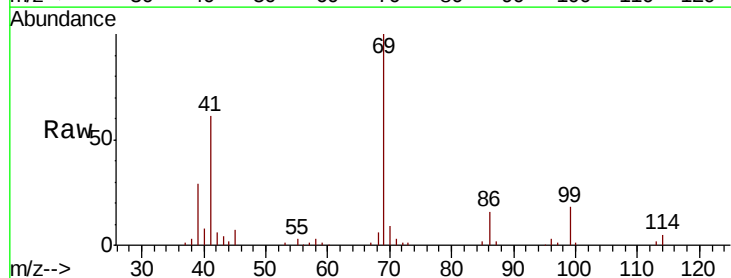
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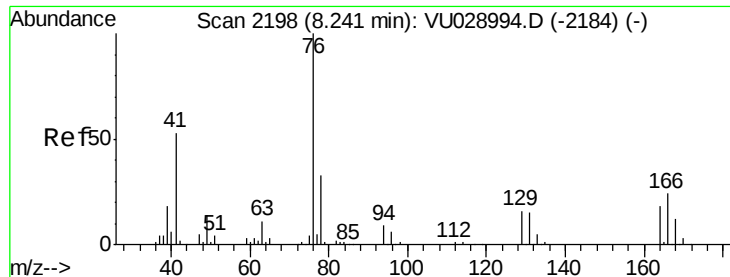
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#56
Ethyl methacrylate
Concen: 19.774 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.3	47.5	71.3
39	28.6	22.5	33.7





#57

1,3-Dichloropropane

Concen: 20.043 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion: 76 Resp: 61947

Ion Ratio Lower Upper

76 100

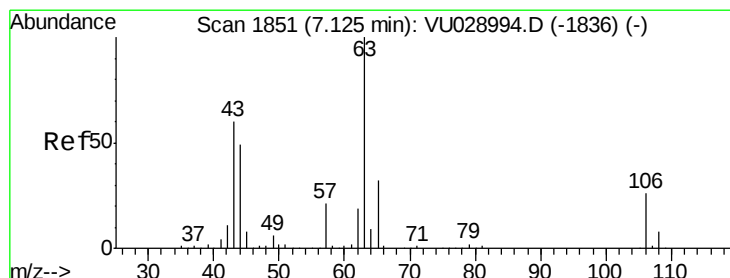
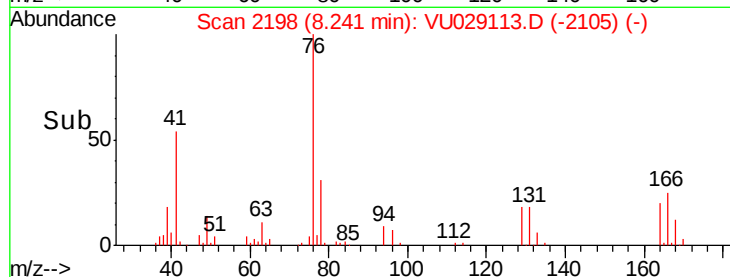
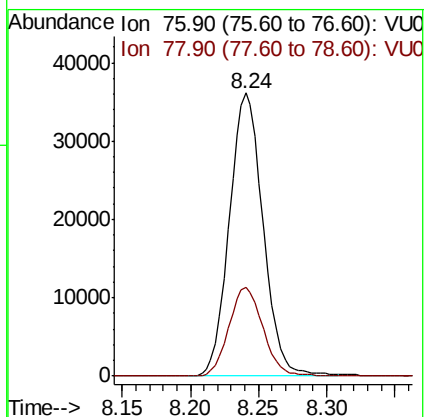
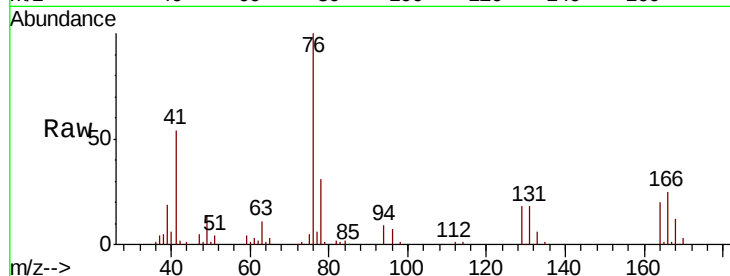
78 31.7 26.0 39.0

Manual Integrations

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1/11/2019 10:03:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 97.655 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029113.D

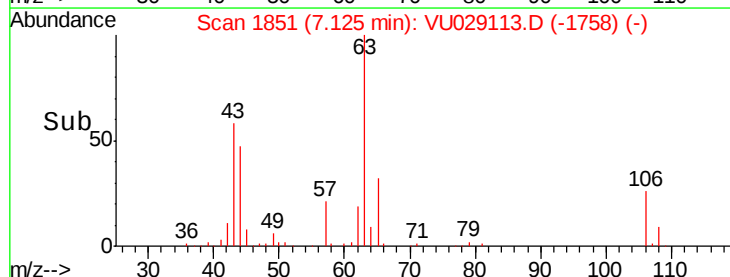
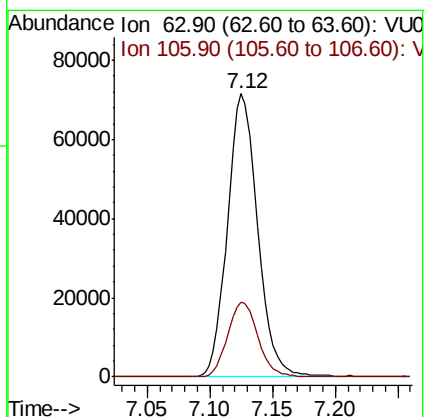
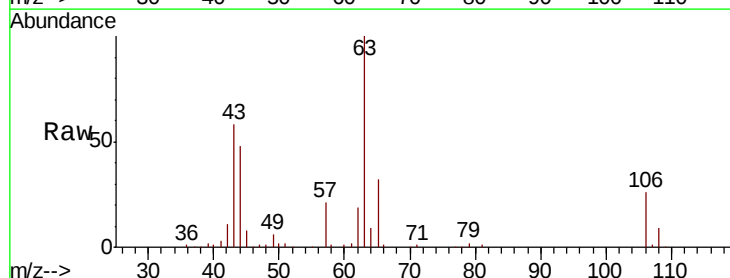
Acq: 10 Jan 2019 13:03

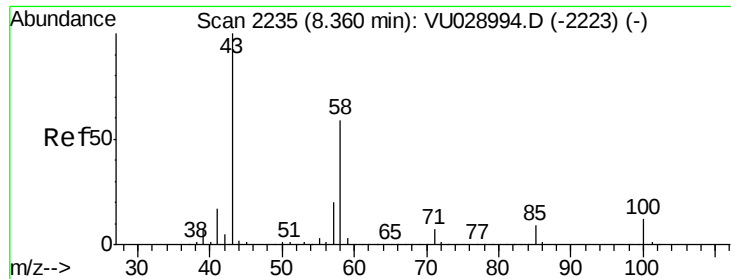
Tgt Ion: 63 Resp: 119511

Ion Ratio Lower Upper

63 100

106 26.5 20.6 31.0





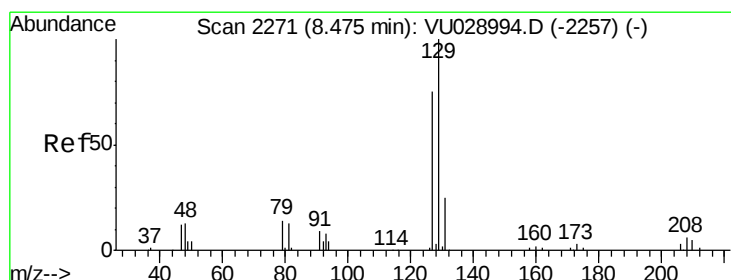
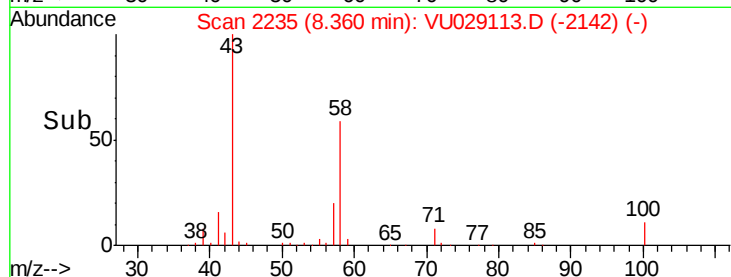
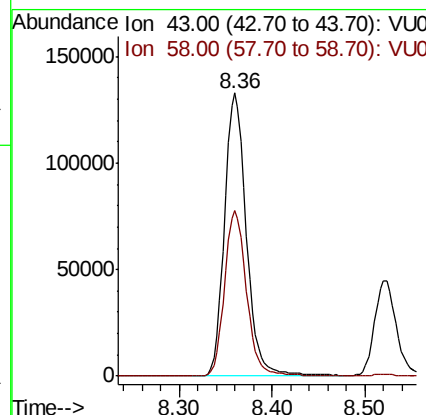
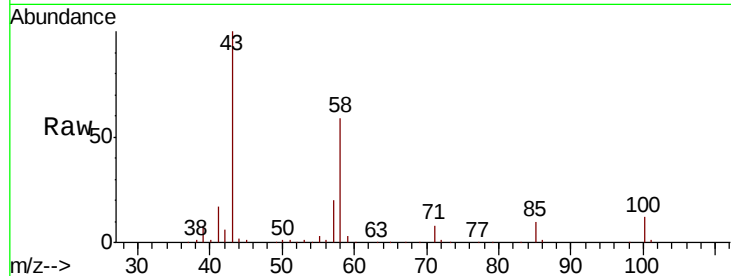
#59
2-Hexanone
Concen: 102.377 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion: 43 Resp: 218654
Ion Ratio Lower Upper
43 100
58 58.5 29.8 89.4

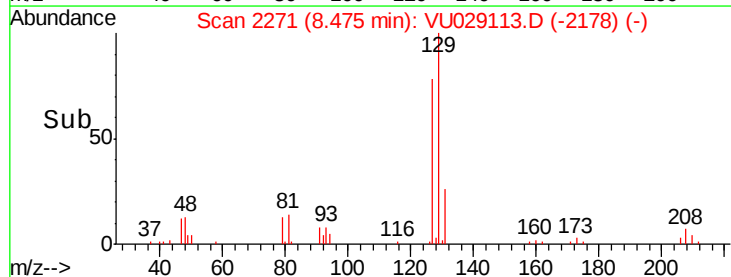
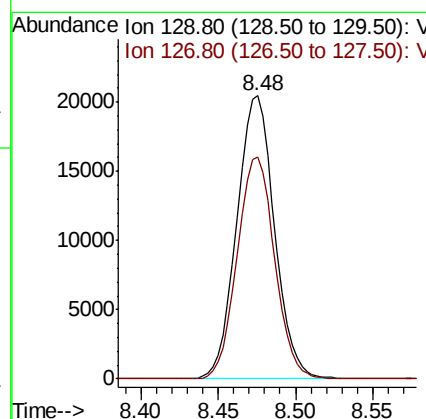
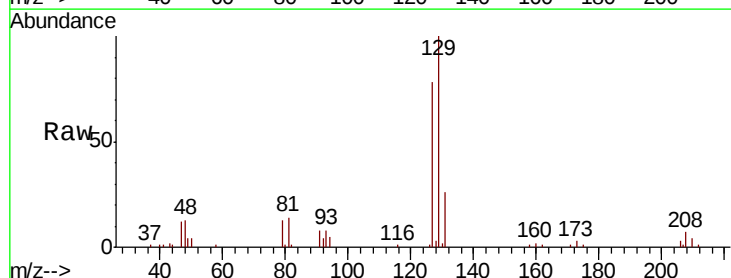
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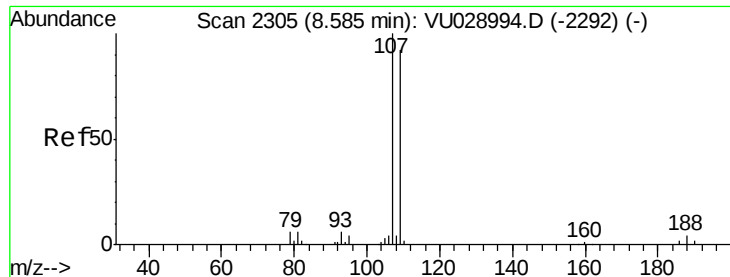
MMDadoda
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#60
Dibromochloromethane
Concen: 19.337 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion: 129 Resp: 34603
Ion Ratio Lower Upper
129 100
127 78.0 38.0 114.0





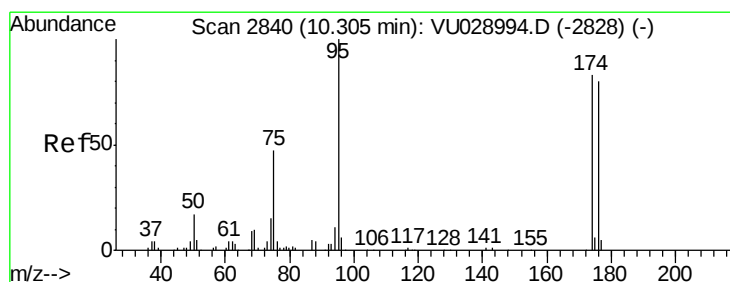
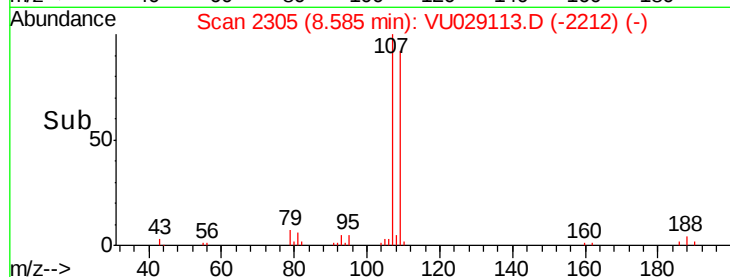
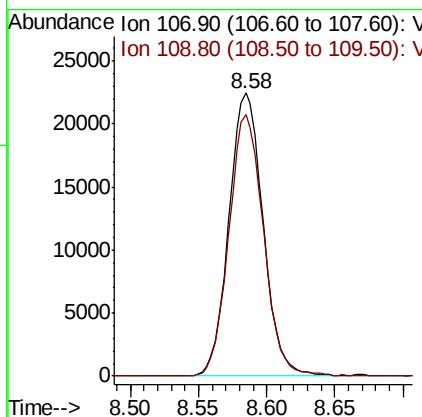
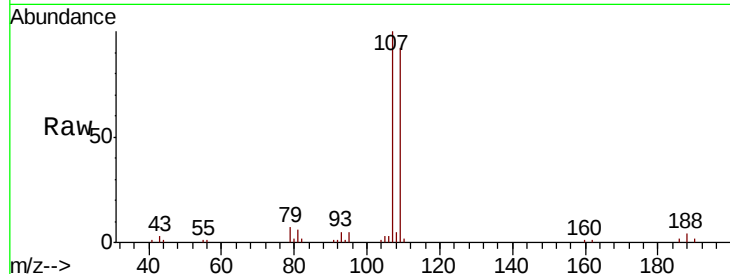
#61
 1,2-Dibromoethane
 Concen: 19.907 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.5	113.3

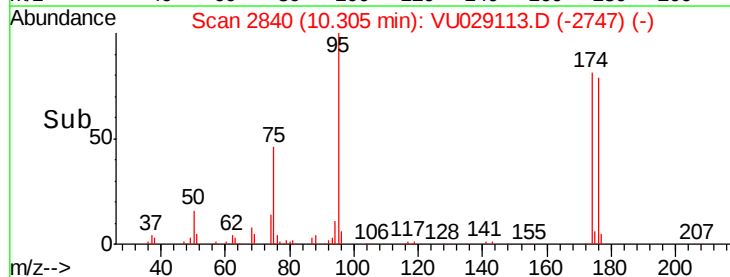
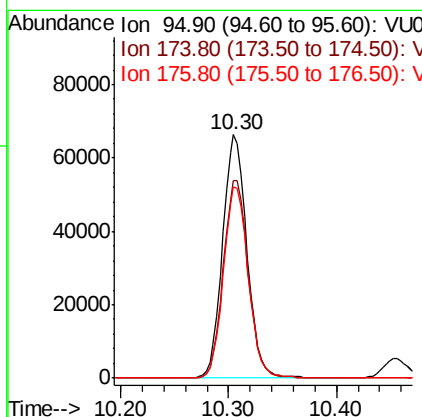
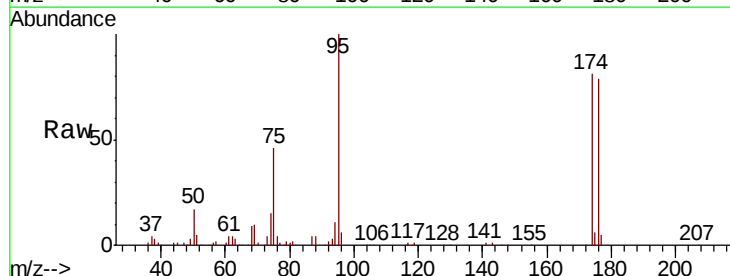
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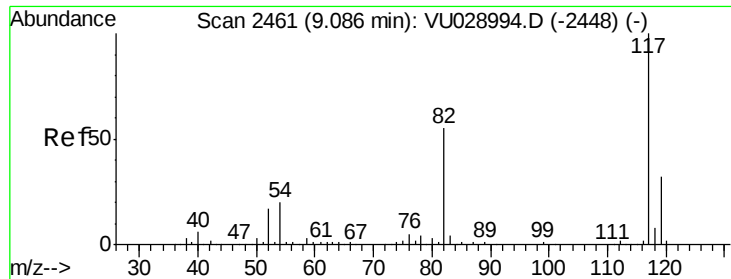
MMDadoda
 1/11/2019 10:03:39 AM



#62
 4-Bromofluorobenzene
 Concen: 47.544 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	170.6
176	80.1	0.0	165.0





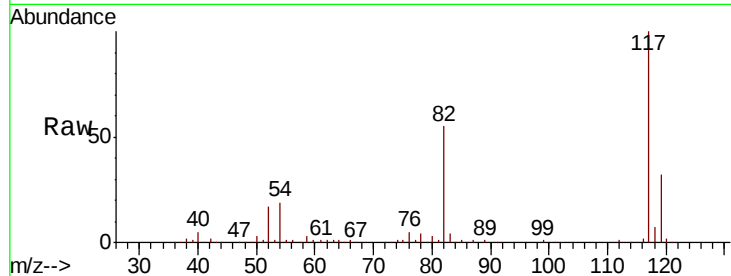
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	217806		
82	54.5	43.9	65.9	
119	32.4	26.0	39.0	

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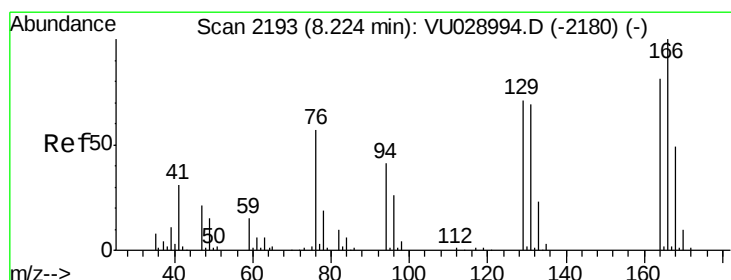
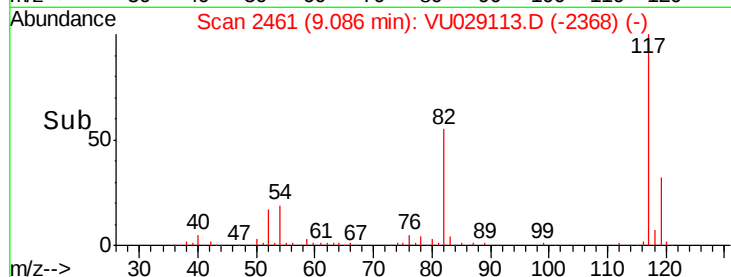
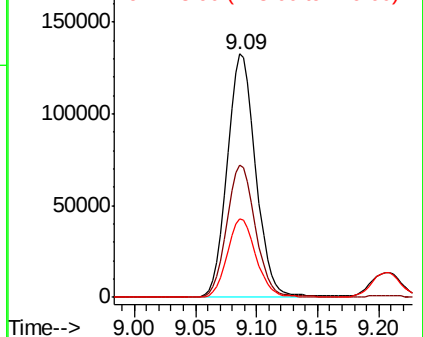


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.887 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31202		
166	127.9	99.4	149.0	
129	90.5	70.5	105.7	
131	88.6	69.0	103.6	

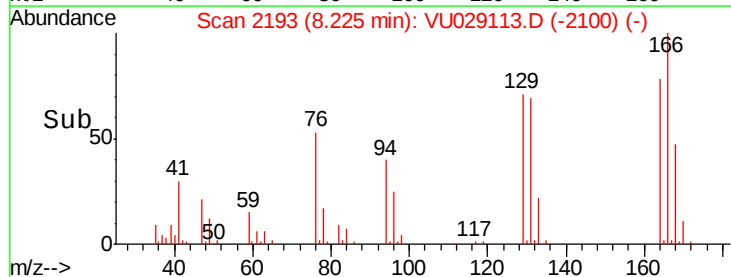
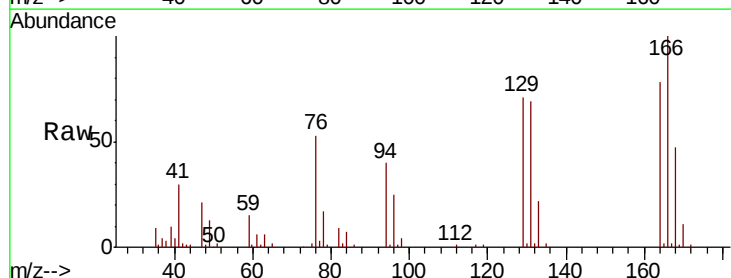
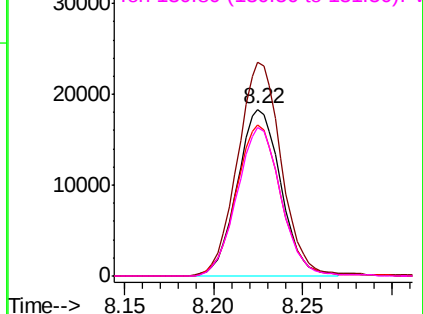
Abundance

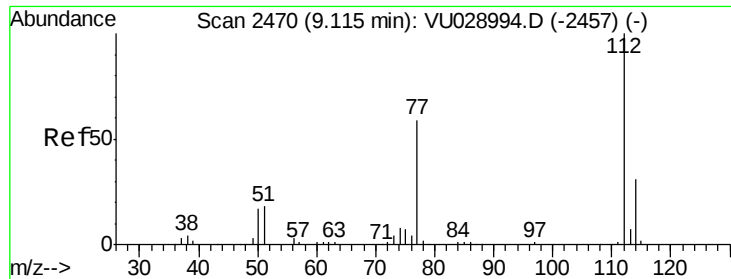
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





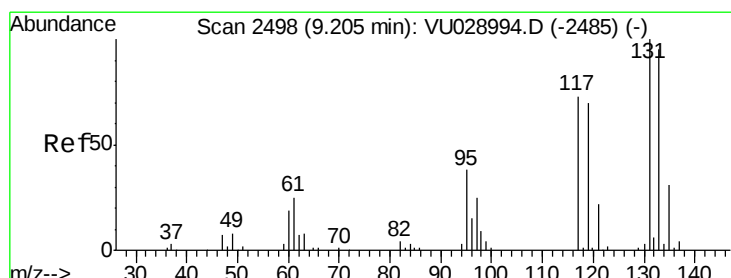
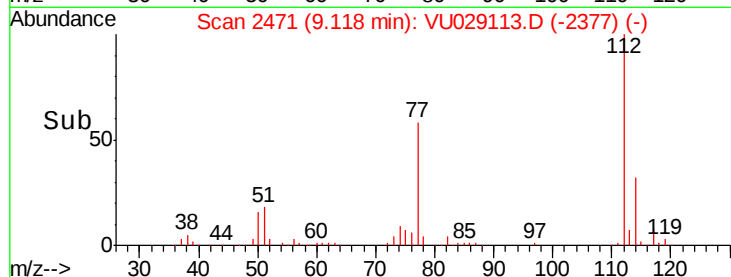
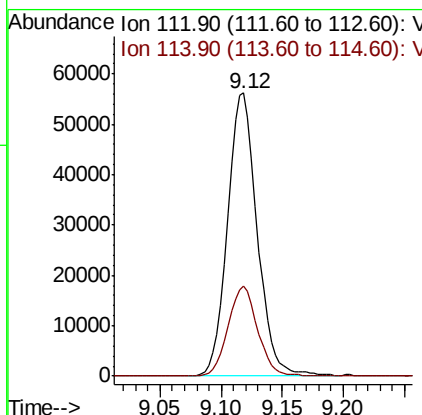
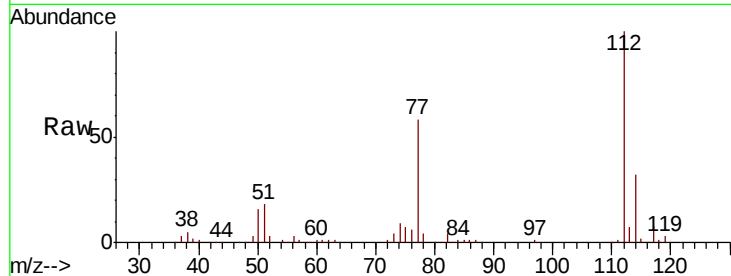
#65
Chlorobenzene
Concen: 19.621 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion:112 Resp: 95792
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6

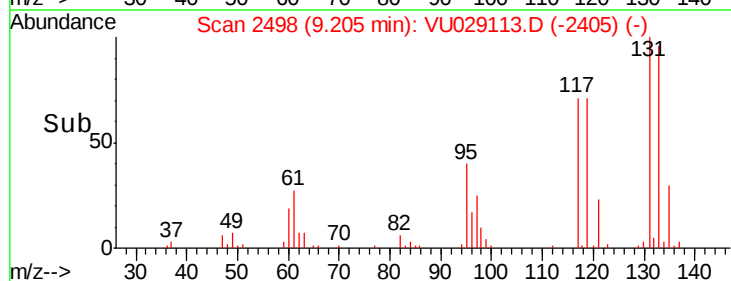
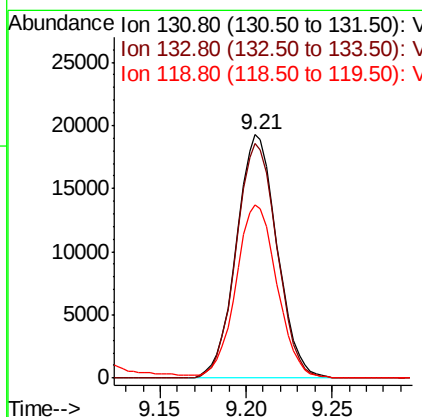
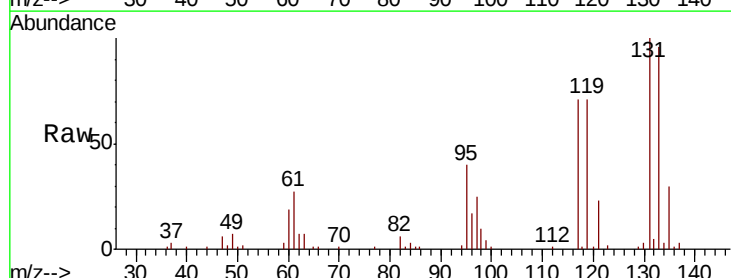
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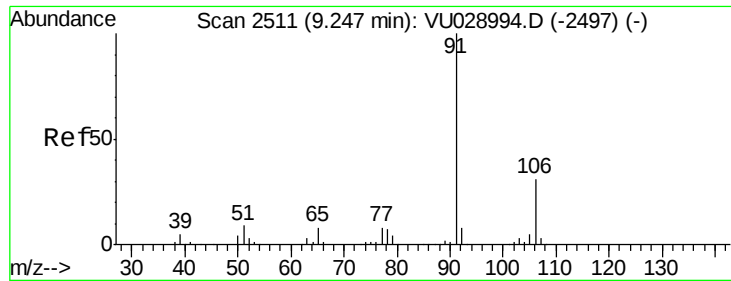
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.049 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion:131 Resp: 31766
Ion Ratio Lower Upper
131 100
133 96.7 48.2 144.6
119 72.0 35.4 106.3





#67

Ethyl Benzene

Concen: 20.221 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion: 91 Resp: 164824

Ion Ratio Lower Upper

91 100

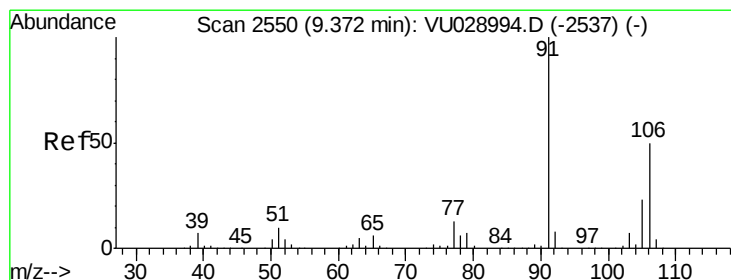
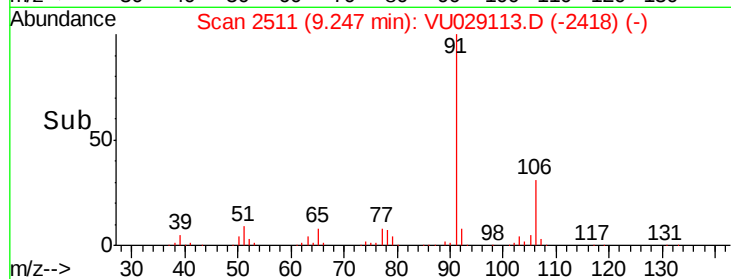
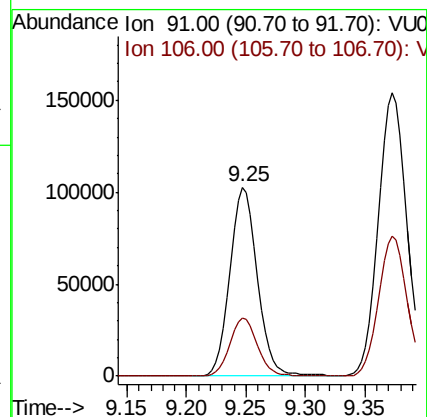
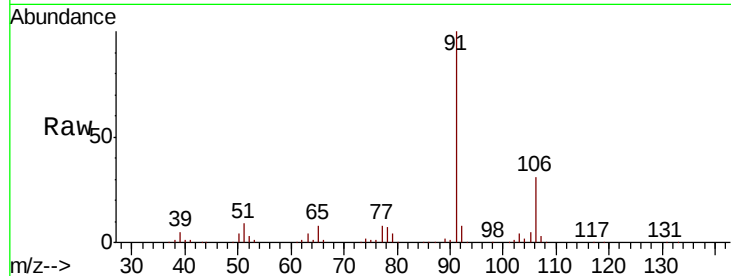
106 30.8 25.0 37.4

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1/11/2019 10:03:39 AM



#68

m/p-Xylenes

Concen: 40.419 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029113.D

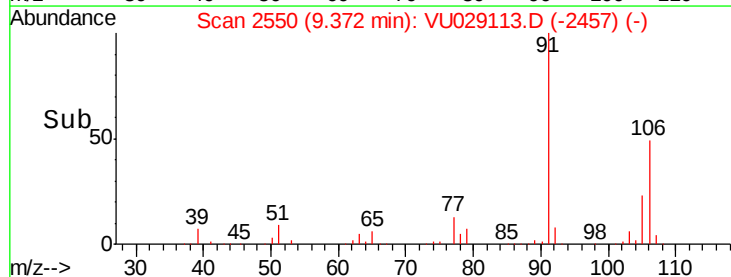
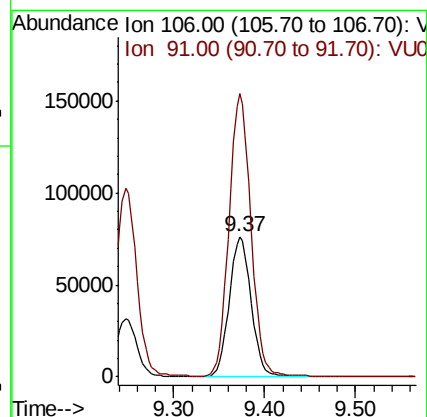
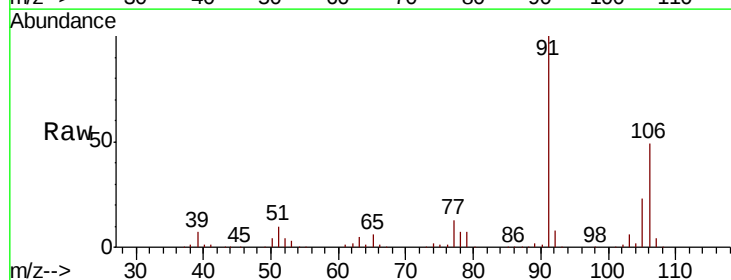
Acq: 10 Jan 2019 13:03

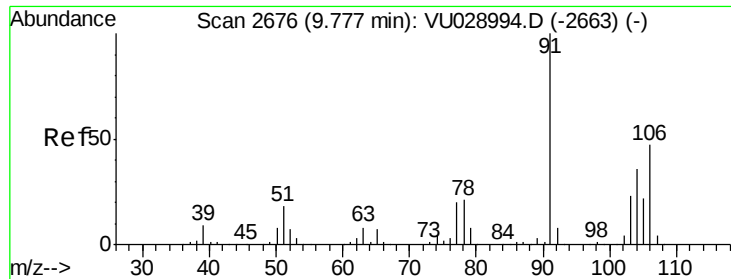
Tgt Ion: 106 Resp: 128012

Ion Ratio Lower Upper

106 100

91 201.0 161.7 242.5





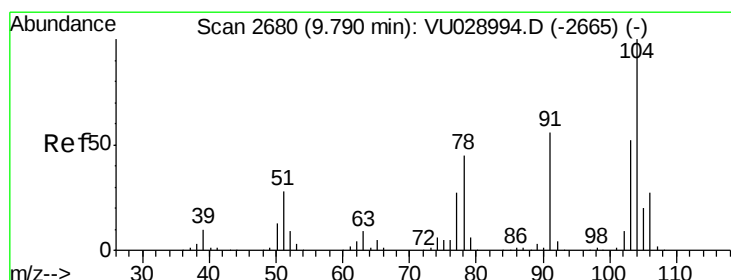
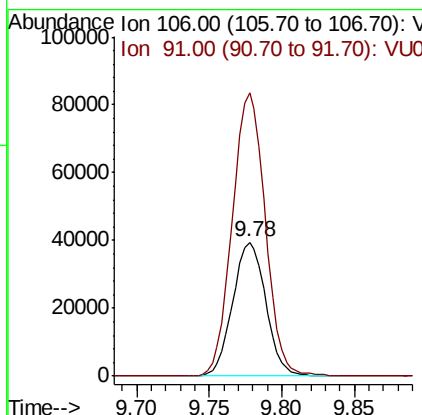
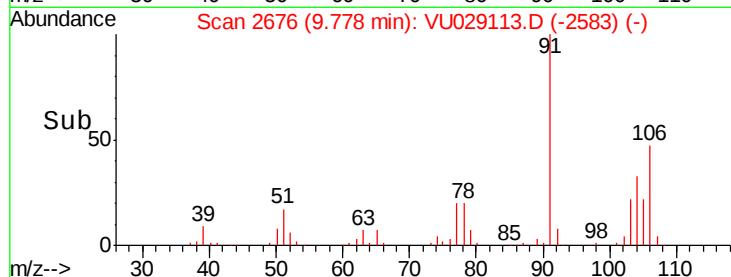
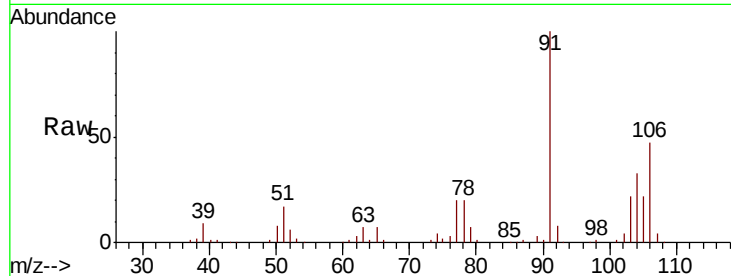
#69
o-Xylene
Concen: 20.622 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion:106 Resp: 62930
Ion Ratio Lower Upper
106 100
91 209.6 106.1 318.3

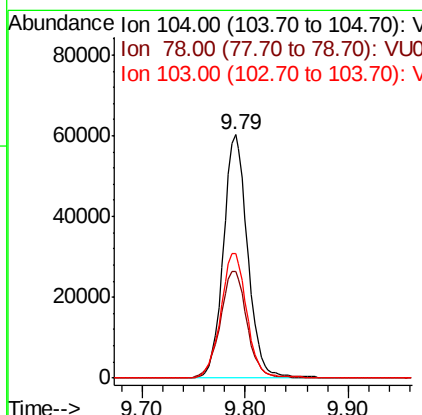
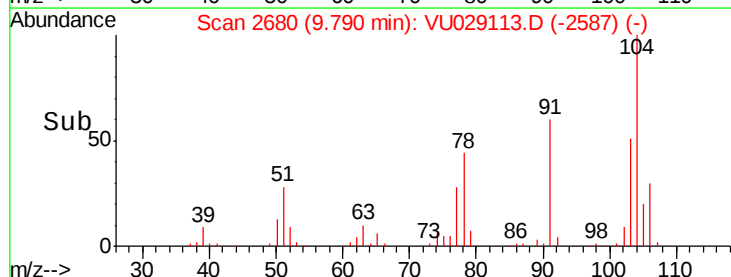
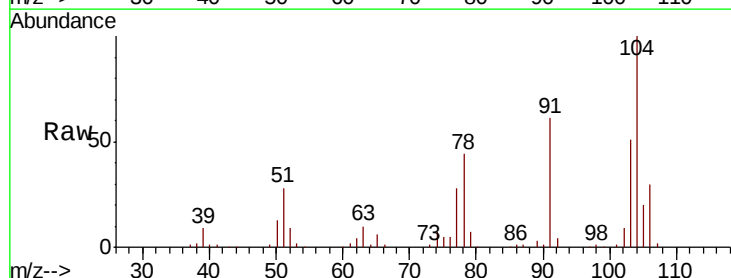
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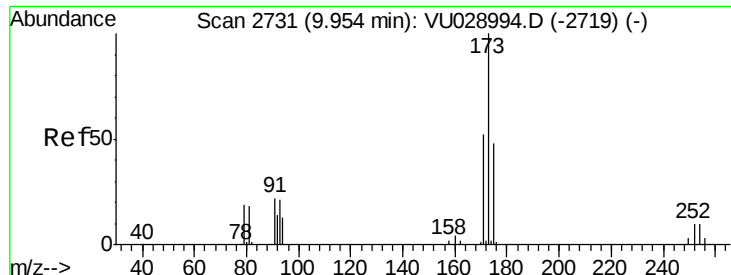
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#70
Styrene
Concen: 19.796 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion:104 Resp: 99032
Ion Ratio Lower Upper
104 100
78 48.3 38.6 58.0
103 55.1 44.5 66.7





#71

Bromoform

Concen: 19.619 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion:173 Resp: 27678

Ion Ratio Lower Upper

173 100

175 48.5 23.8 71.2

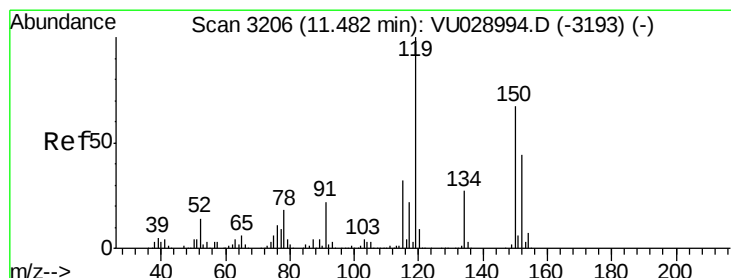
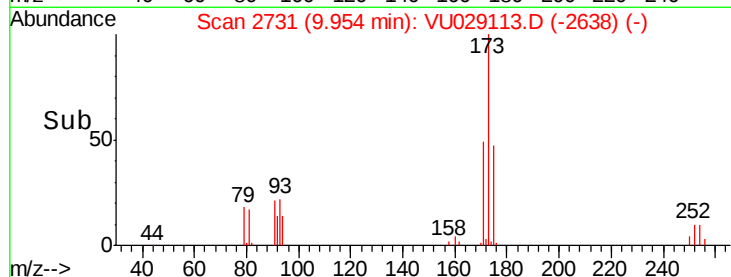
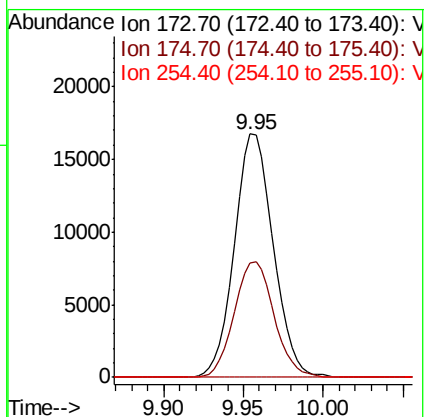
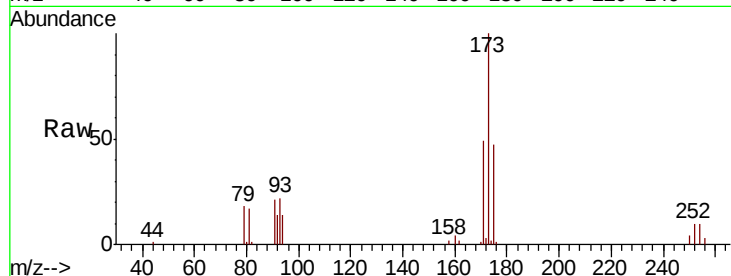
254 0.0 0.0 0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

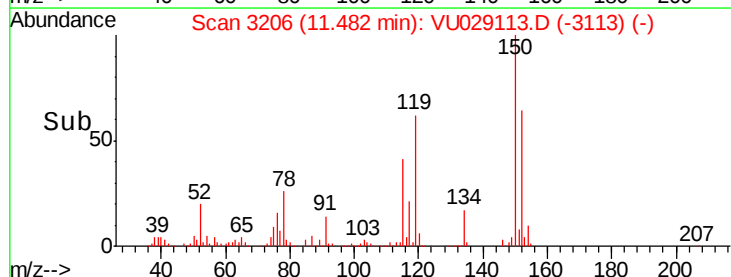
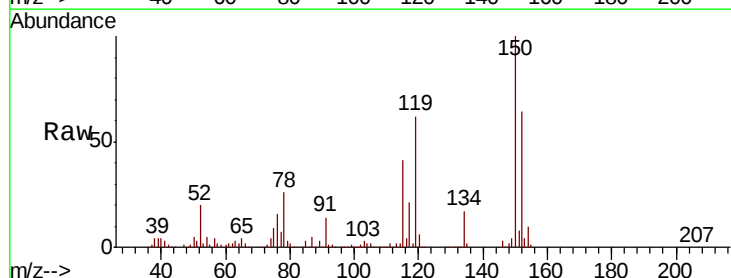
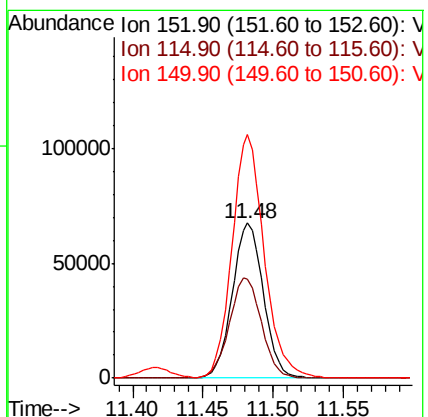
Tgt Ion:152 Resp: 104421

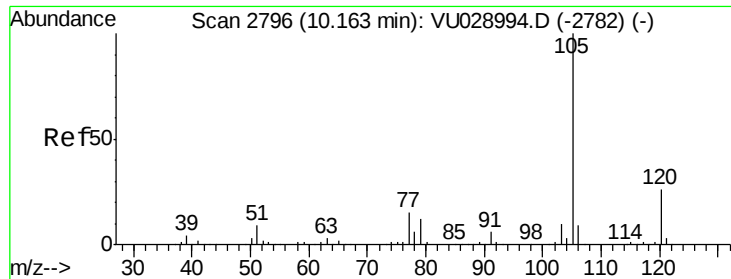
Ion Ratio Lower Upper

152 100

115 66.7 40.1 120.3

150 161.9 0.0 345.2





#73

Isopropylbenzene

Concen: 20.381 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion: 105 Resp: 157524

Ion Ratio Lower Upper

105 100

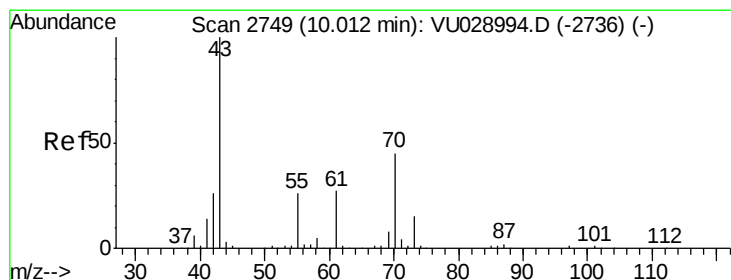
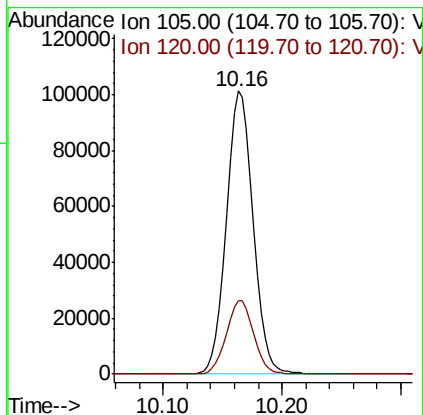
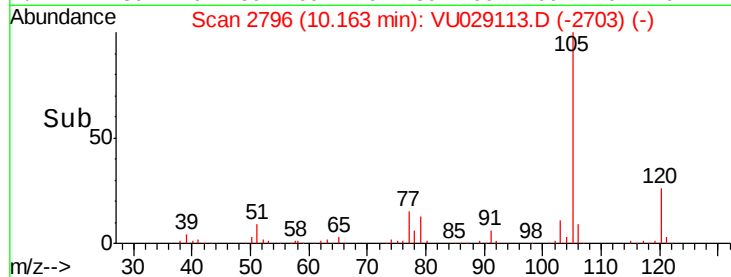
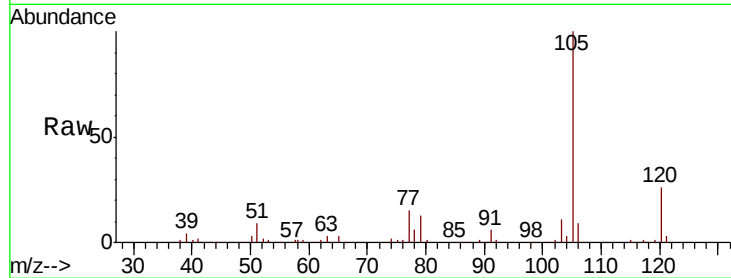
120 26.5 13.2 39.5

Manual Integrations

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1/11/2019 10:03:39 AM



#74

N-ethyl acetate

Concen: 20.413 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Tgt Ion: 43 Resp: 67985

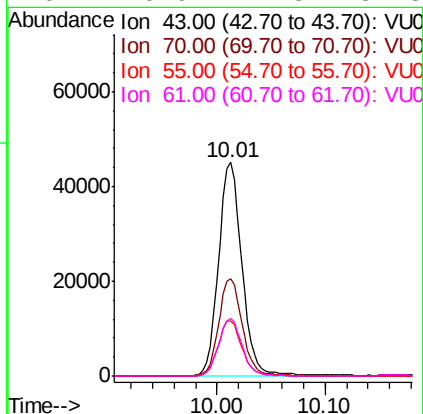
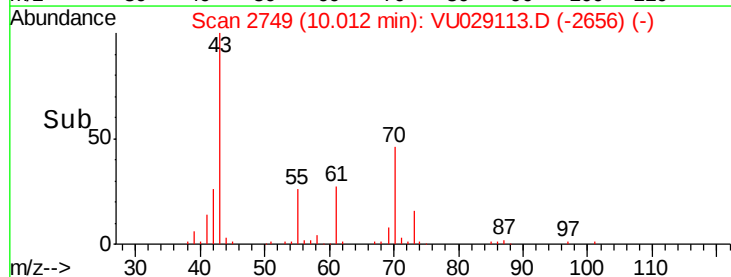
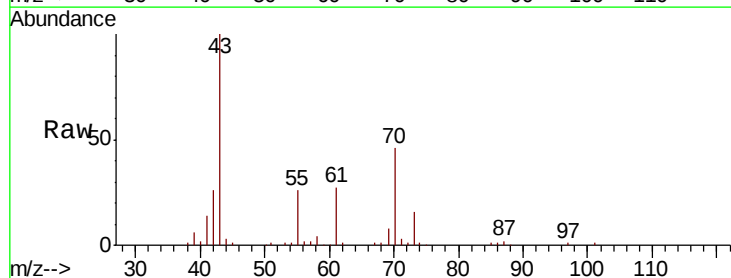
Ion Ratio Lower Upper

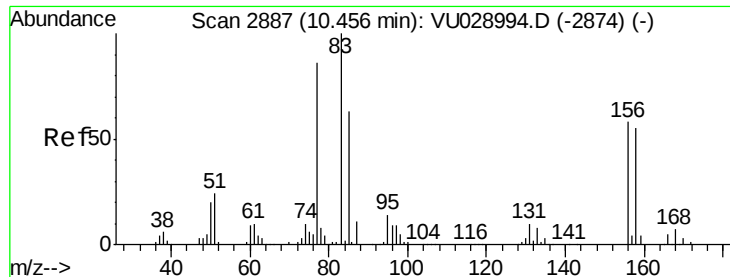
43 100

70 45.8 36.3 54.5

55 26.2 20.5 30.7

61 26.9 21.8 32.8





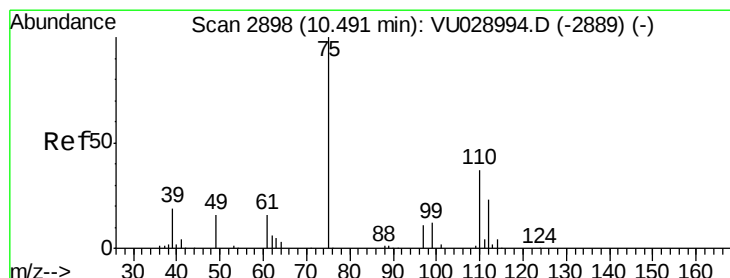
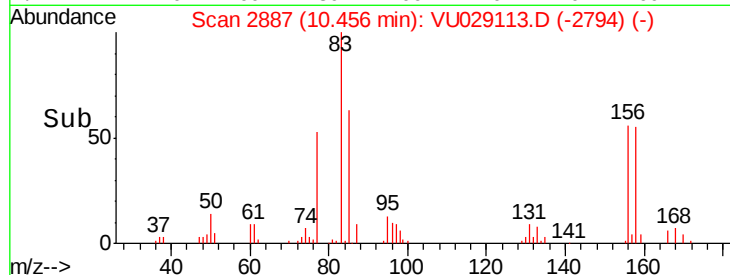
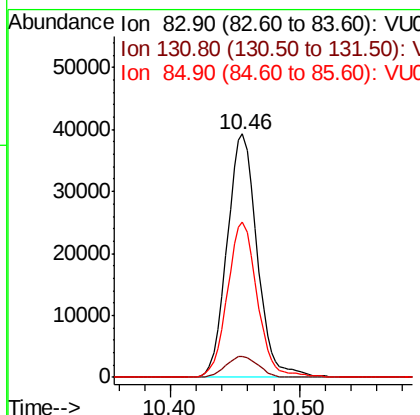
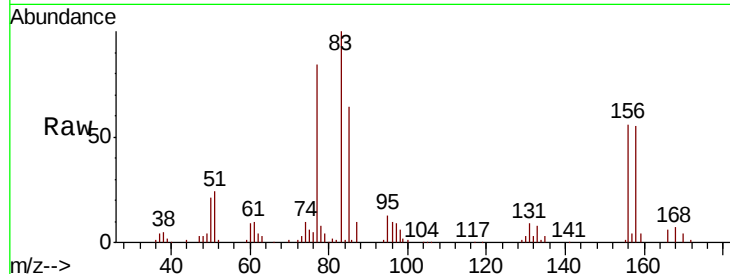
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.485 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Tgt Ion: 83 Resp: 63455
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.7 14.1
 85 63.4 32.0 96.2

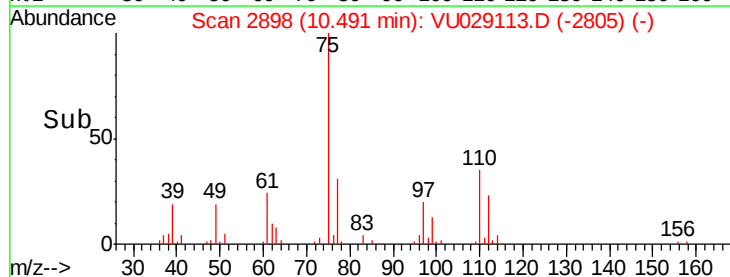
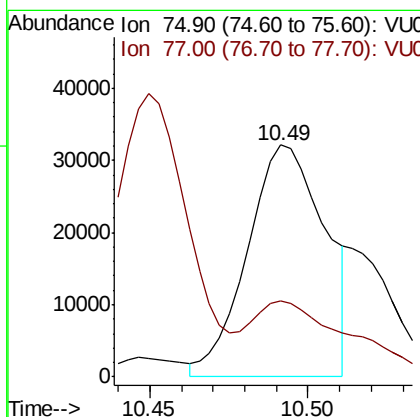
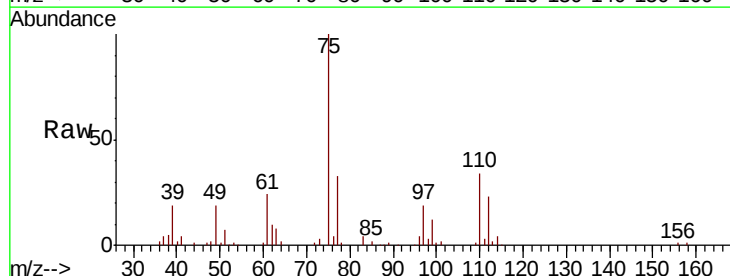
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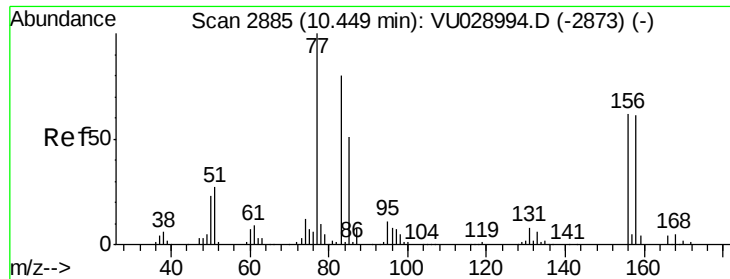
MMDadoda
 1/11/2019 10:03:39 AM



#76
 1,2,3-Trichloropropane
 Concen: 21.264 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Tgt Ion: 75 Resp: 54403
 Ion Ratio Lower Upper
 75 100
 77 41.4 20.9 62.8





#77

Bromobenzene

Concen: 20.385 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampled :

VU0110WBS01

Tgt Ion: 156 Resp: 41058

Ion Ratio Lower Upper

156 100

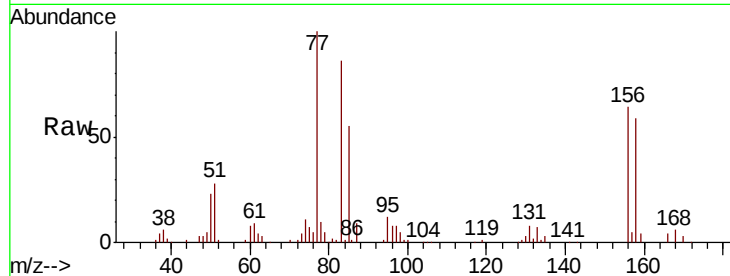
77 155.2 79.0 237.2

158 94.6 48.9 146.6

Manual Integrations
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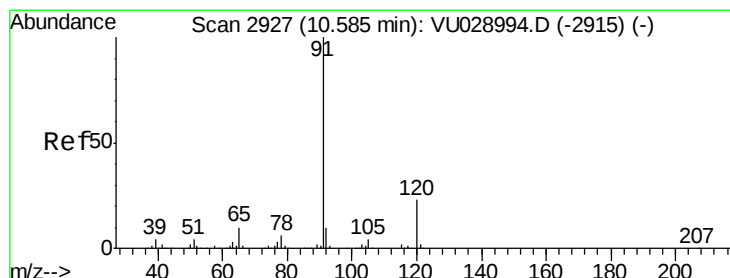
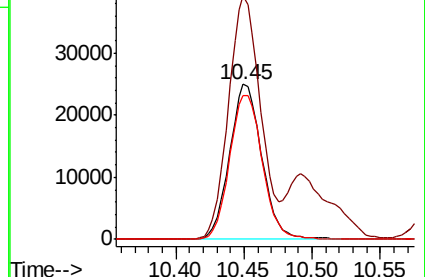
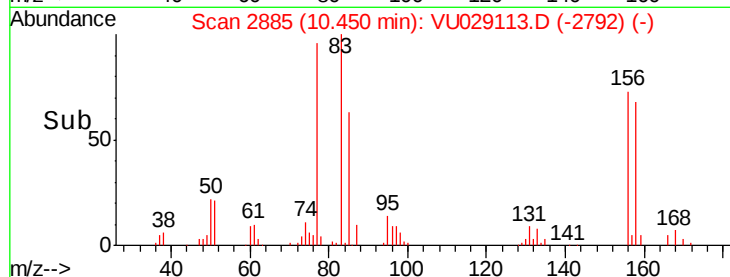
1/11/2019 10:03:39 AM



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: 20.765 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029113.D

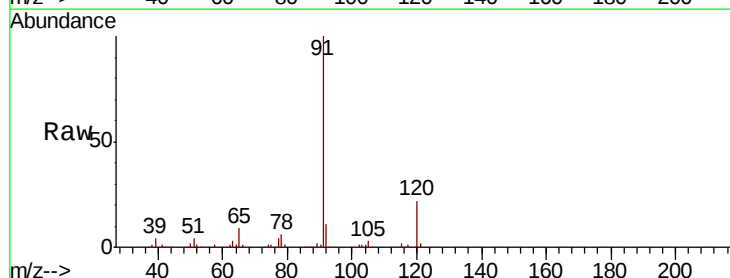
Acq: 10 Jan 2019 13:03

Tgt Ion: 91 Resp: 189134

Ion Ratio Lower Upper

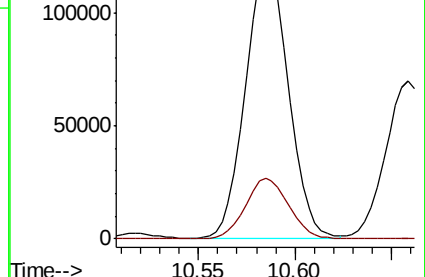
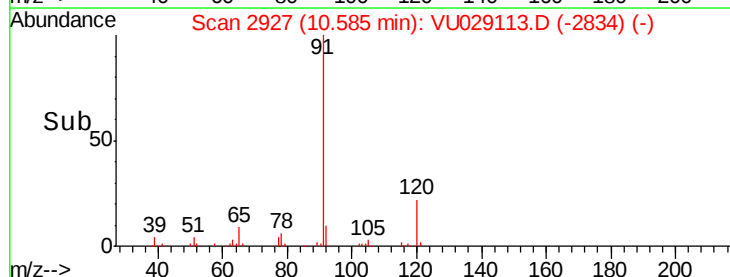
91 100

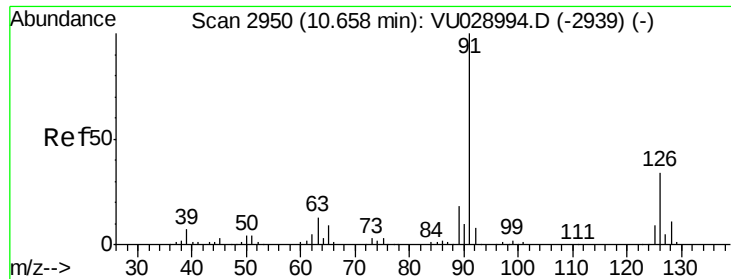
120 21.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





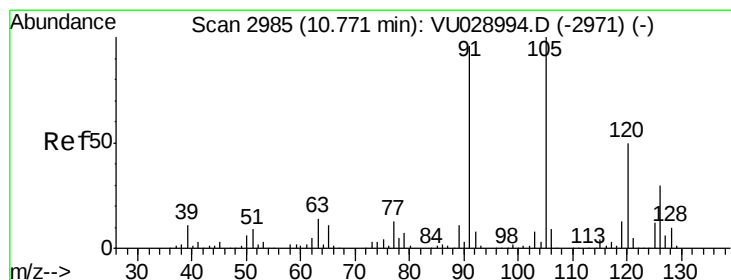
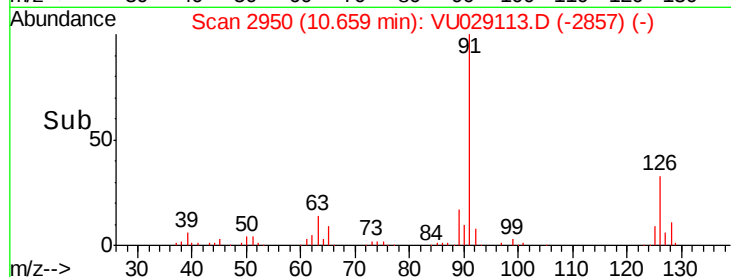
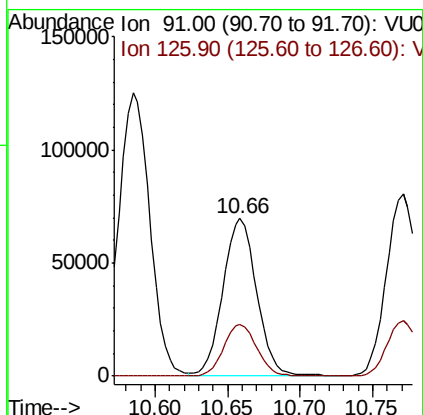
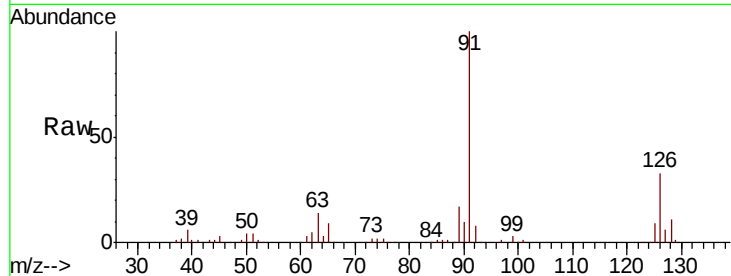
#79
2-Chlorotoluene
Concen: 20.421 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion: 91 Resp: 112833
Ion Ratio Lower Upper
91 100
126 32.3 16.8 50.4

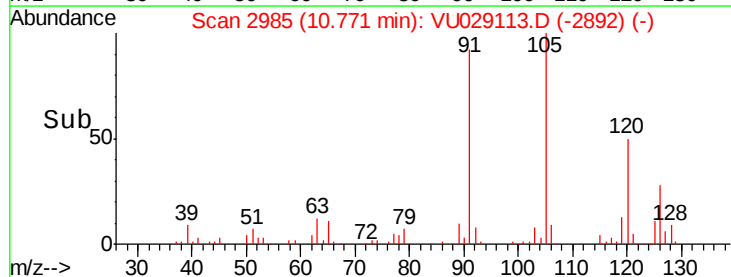
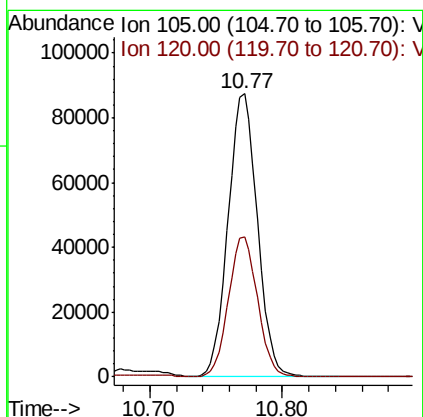
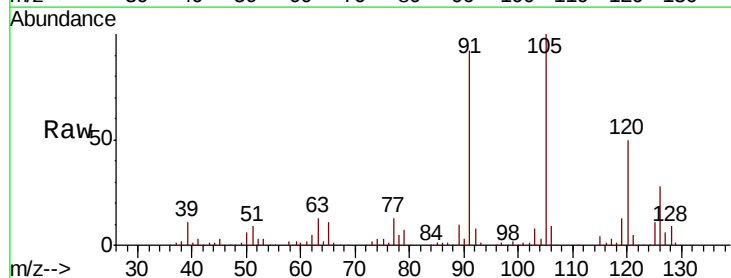
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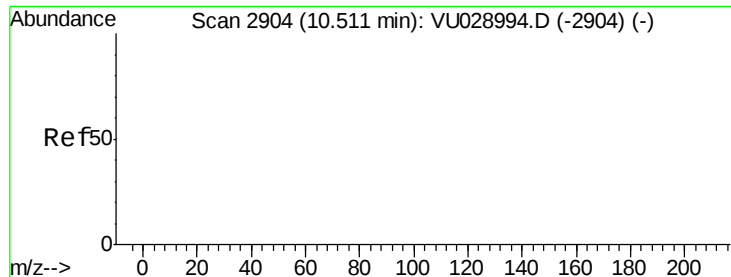
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.832 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion: 105 Resp: 134456
Ion Ratio Lower Upper
105 100
120 49.3 24.8 74.4





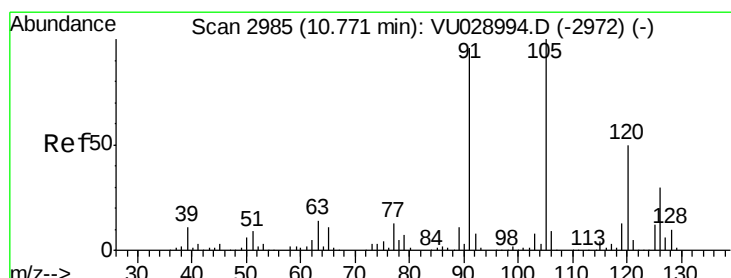
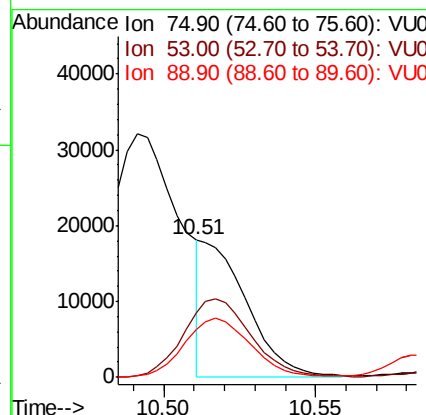
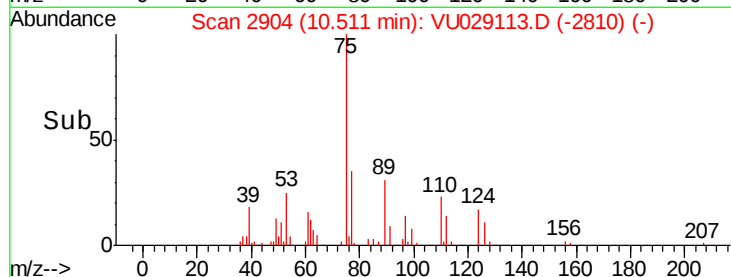
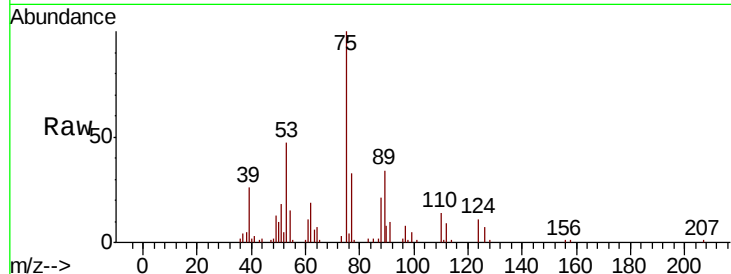
#81
trans-1,4-Dichloro-2-butene
Concen: 18.669 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

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

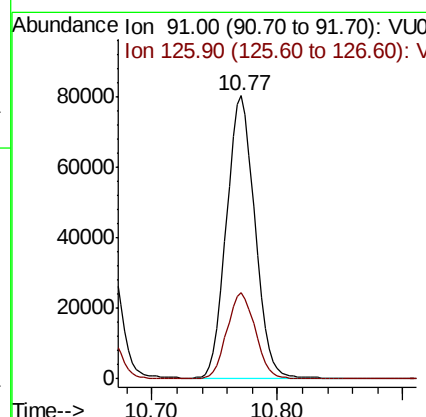
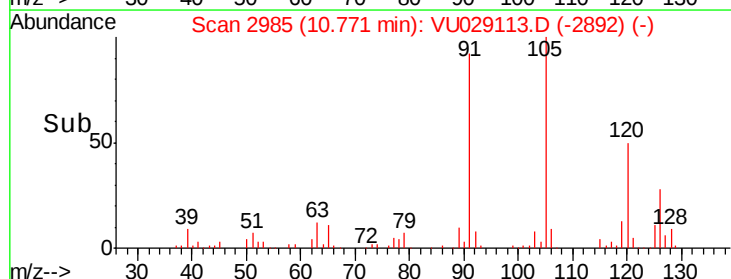
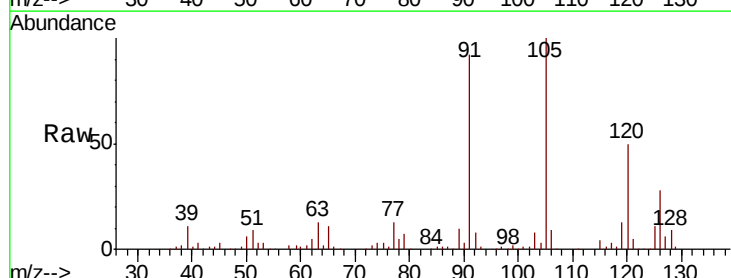
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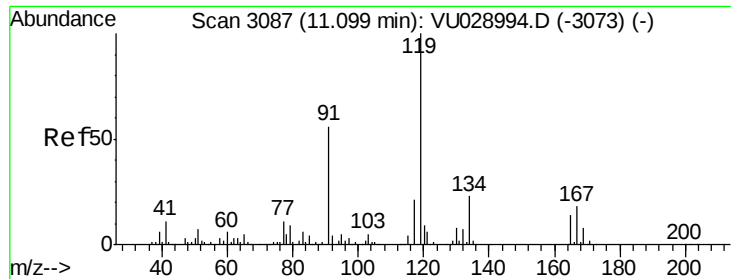
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#82
4-Chlorotoluene
Concen: 19.863 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.5	46.5





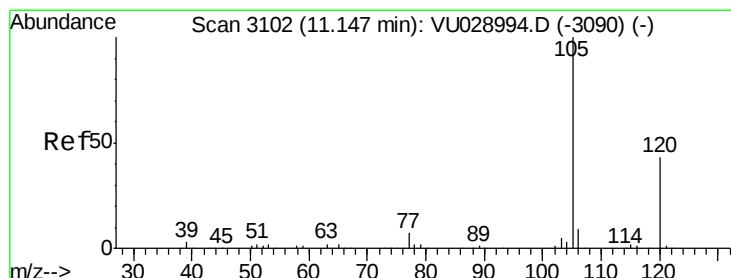
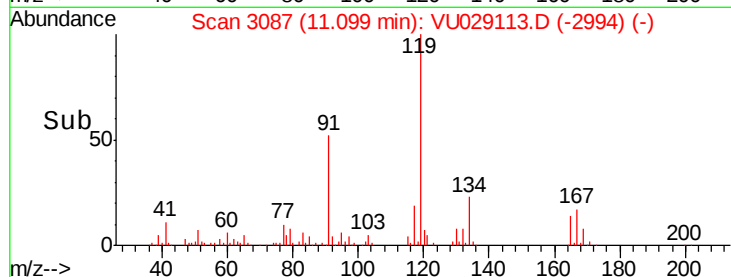
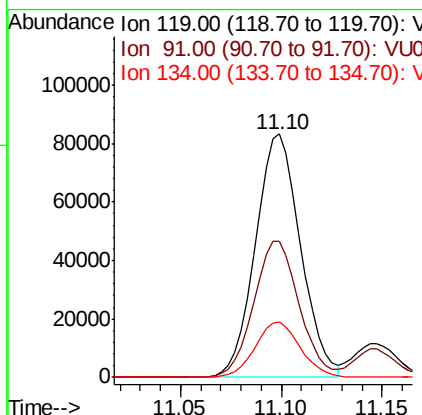
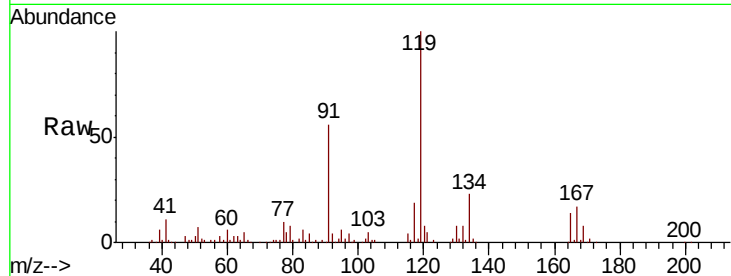
#83
 tert-Butylbenzene
 Concen: 20.403 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	129795		
91	56.6	28.2	84.6	
134	22.6	11.3	33.8	

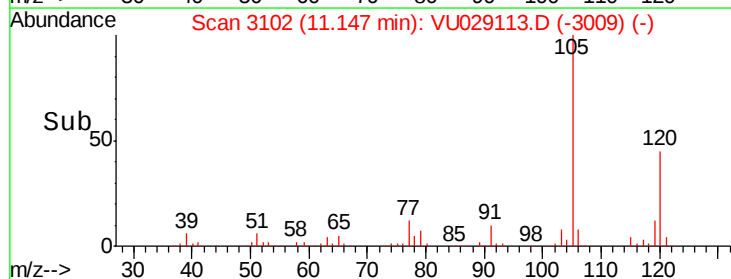
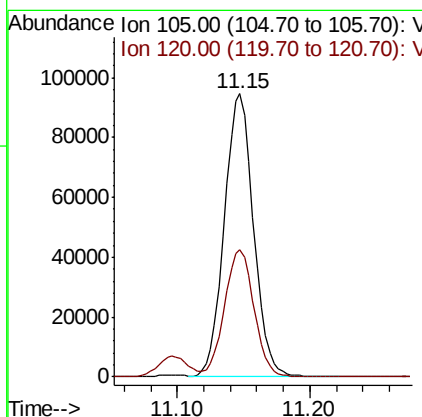
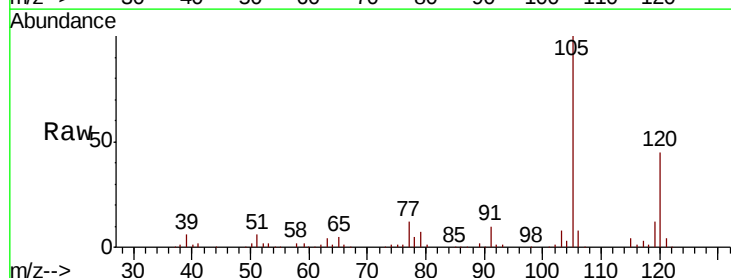
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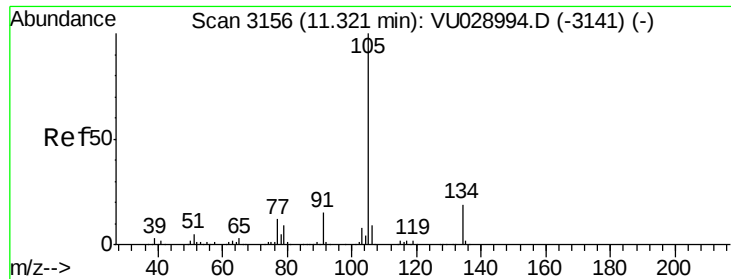
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.343 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143977		
120	45.7	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.960 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

VU0110WBS01

Tgt Ion:105 Resp: 161260

Ion Ratio Lower Upper

105 100

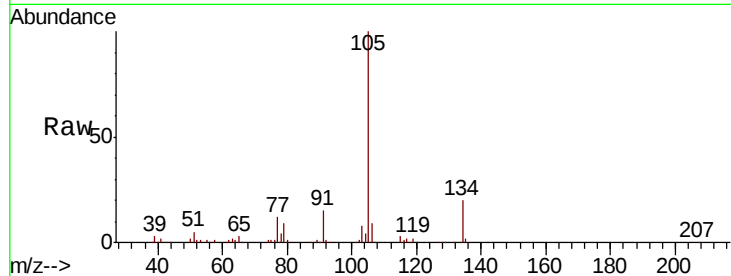
134 19.1 9.7 29.1

Manual Integrations

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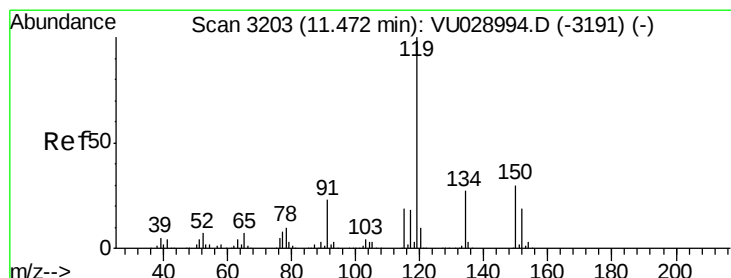
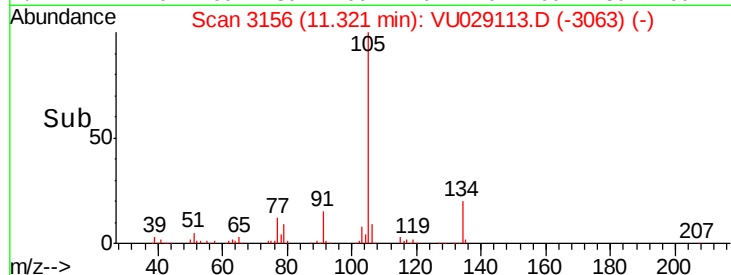
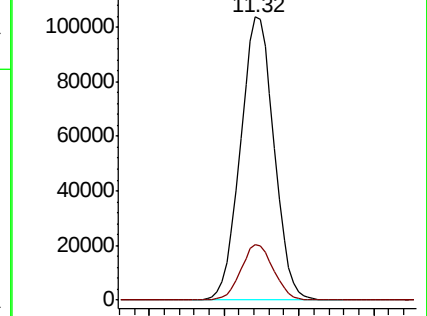
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.745 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU029113.D

Acq: 10 Jan 2019 13:03

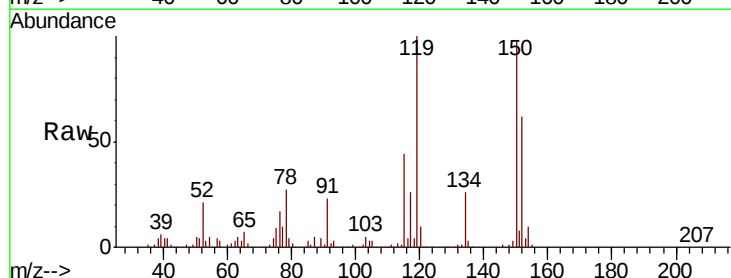
Tgt Ion:119 Resp: 136004

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

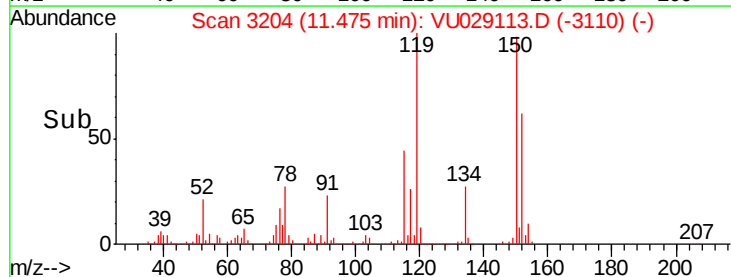
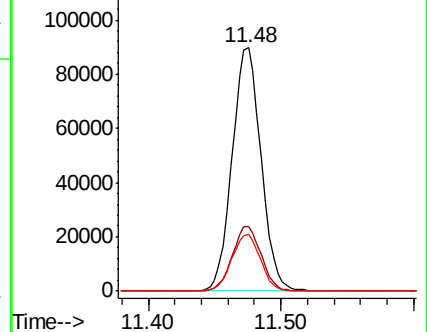
91 23.3 11.3 33.8

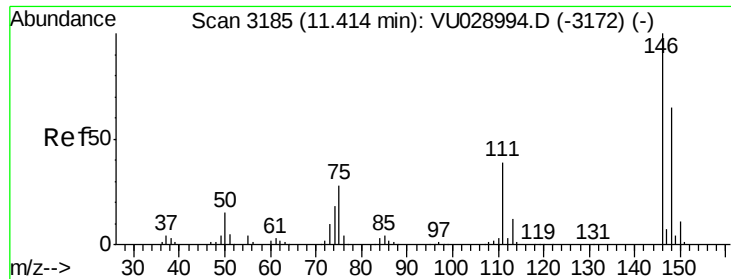


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU





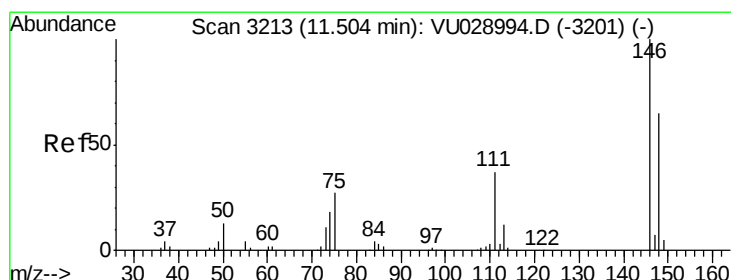
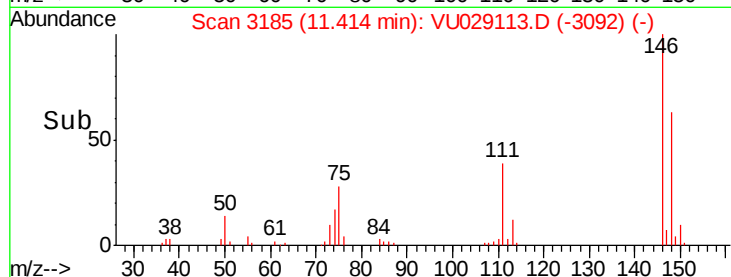
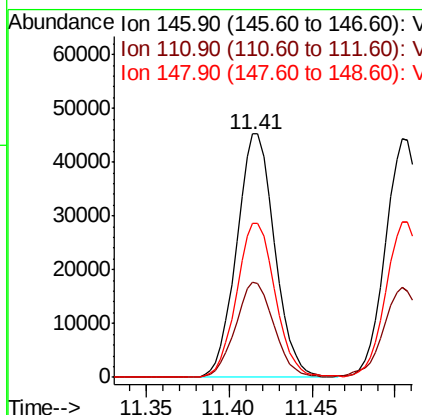
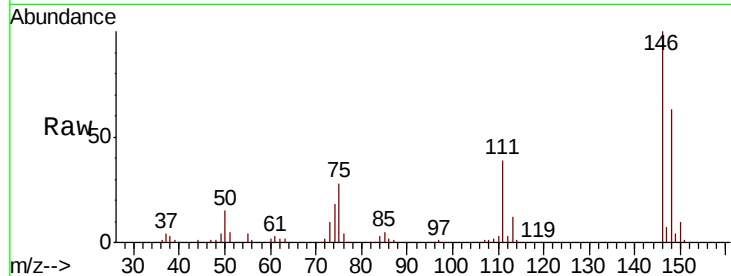
#87
 1,3-Dichlorobenzene
 Concen: 19.554 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.8
148	64.2	32.5	97.5

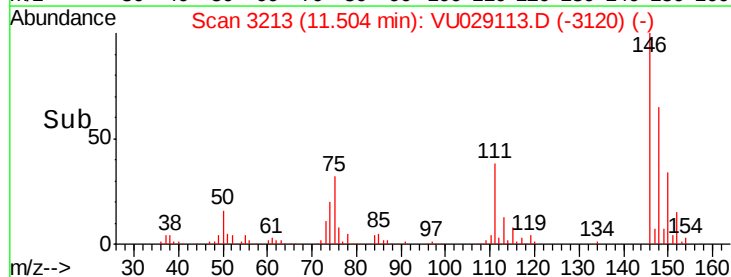
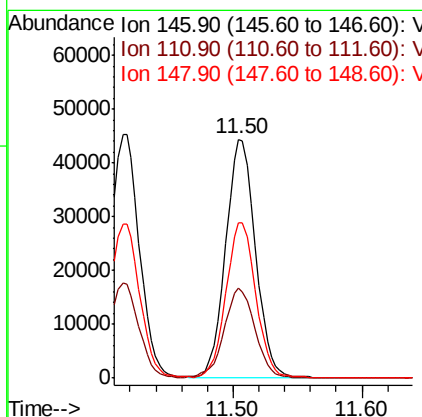
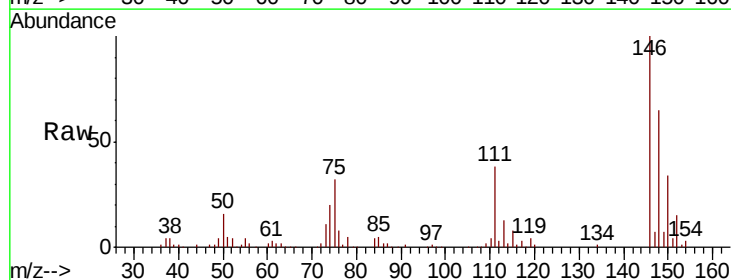
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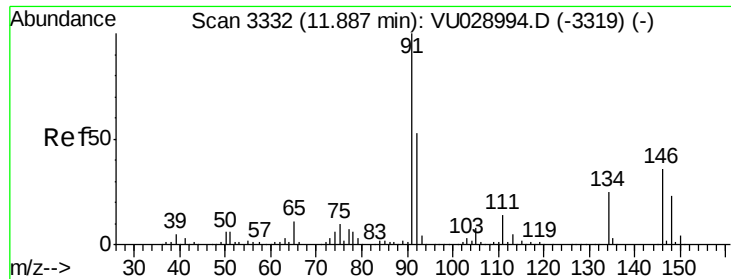
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#88
 1,4-Dichlorobenzene
 Concen: 18.712 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.1	57.3
148	65.2	32.6	98.0





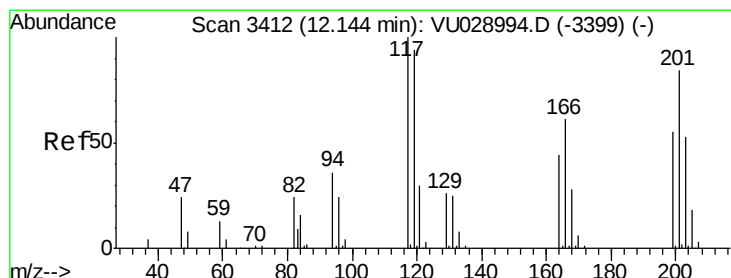
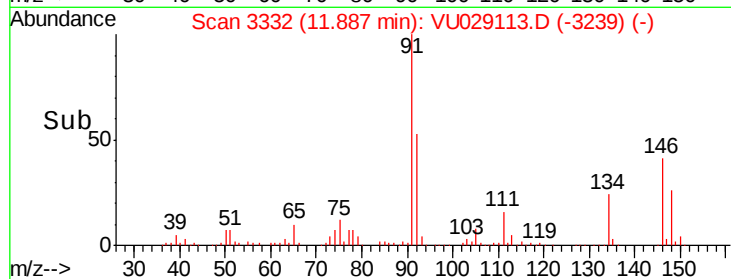
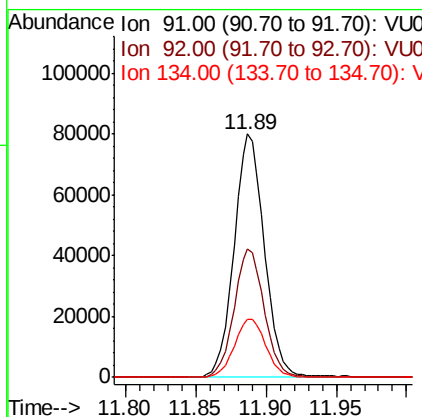
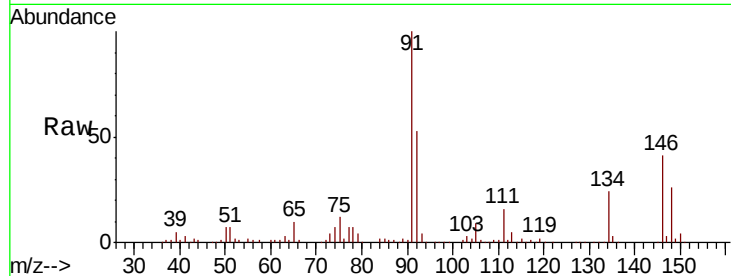
#89
n-Butylbenzene
Concen: 20.572 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	25.0	12.6	37.6

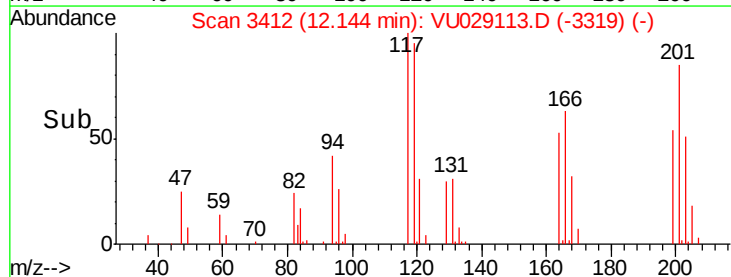
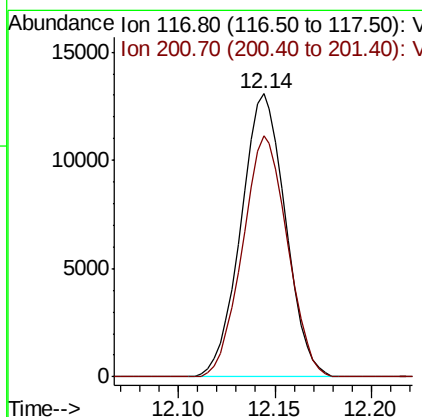
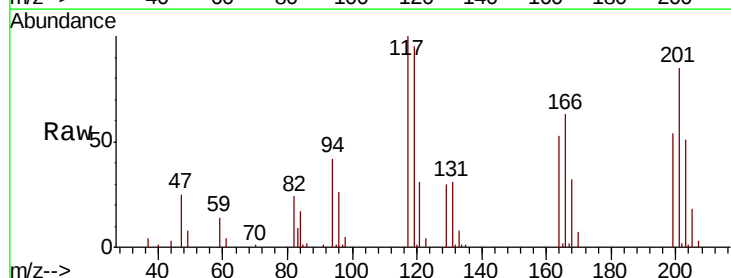
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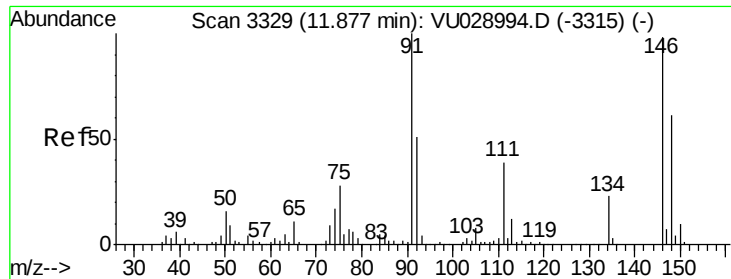
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#90
Hexachloroethane
Concen: 18.973 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	42.4	127.3





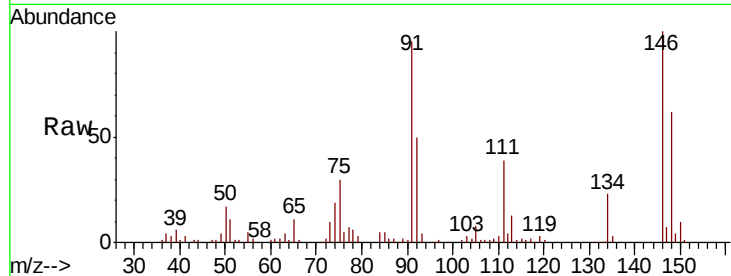
#91
 1,2-Dichlorobenzene
 Concen: 19.460 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.3	31.6	94.8

Manual Integrations
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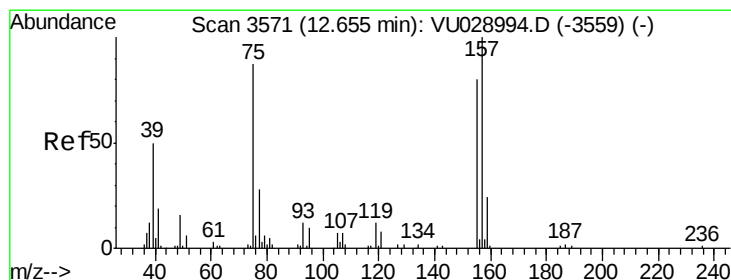
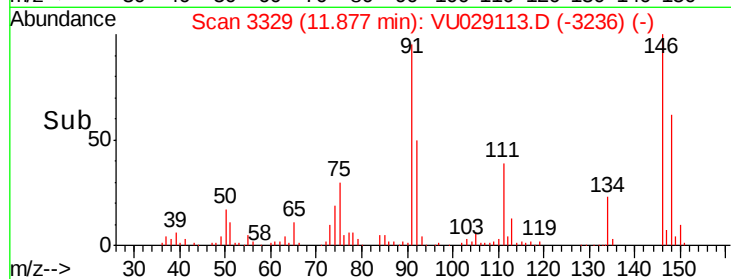
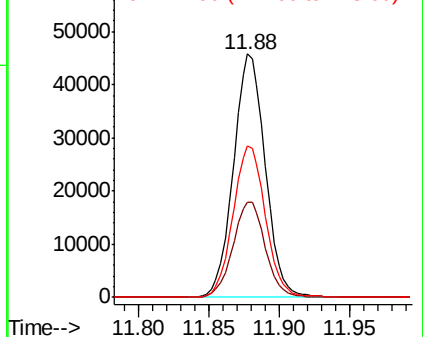


Abundance

Ion 145.90 (145.60 to 146.60): V

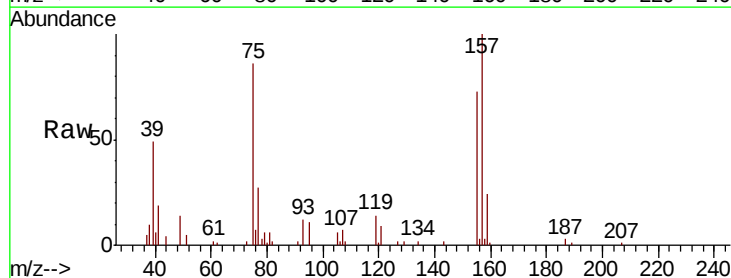
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.612 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	46.3	138.8
157	119.3	57.4	172.0

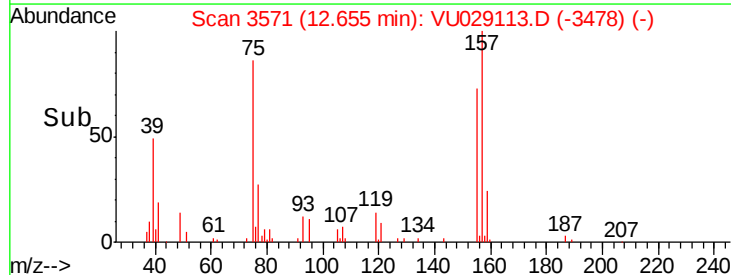
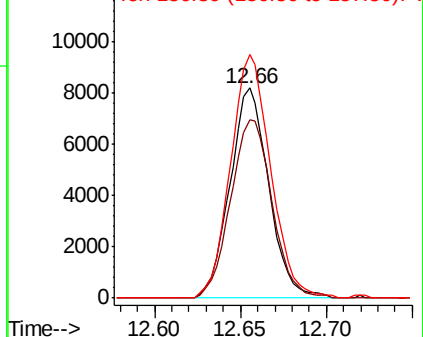


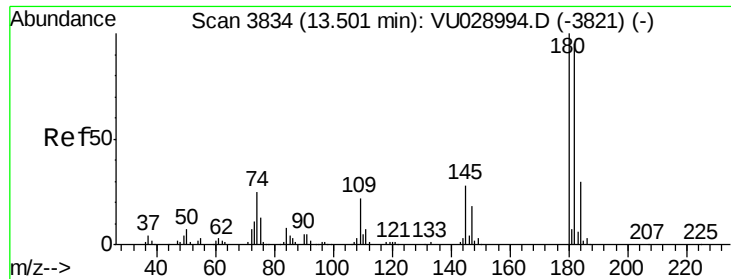
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





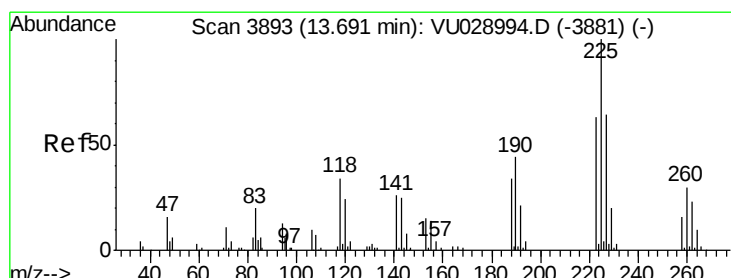
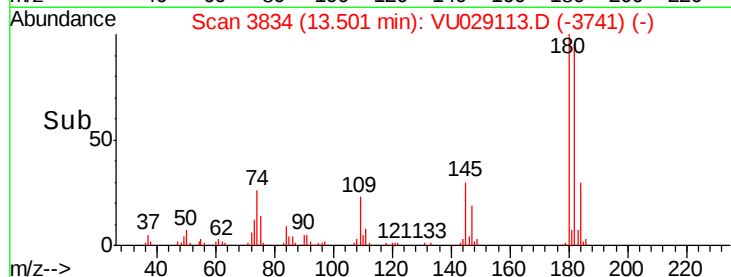
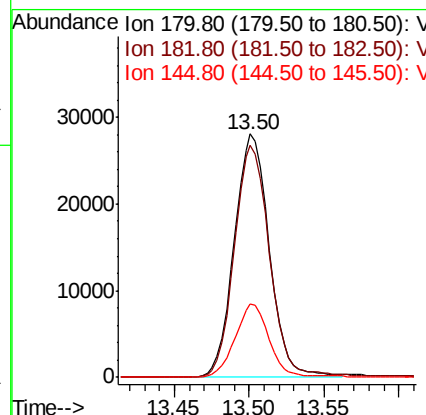
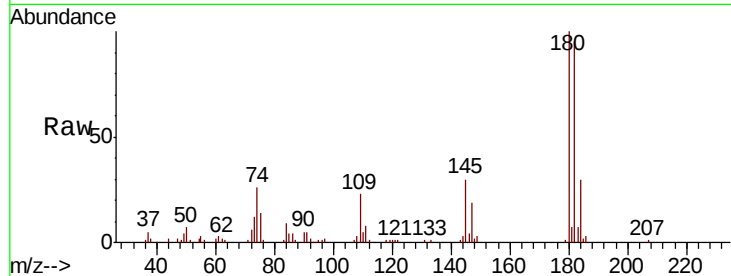
#93
 1,2,4-Trichlorobenzene
 Concen: 19.324 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.6
145	28.8	14.0	42.0

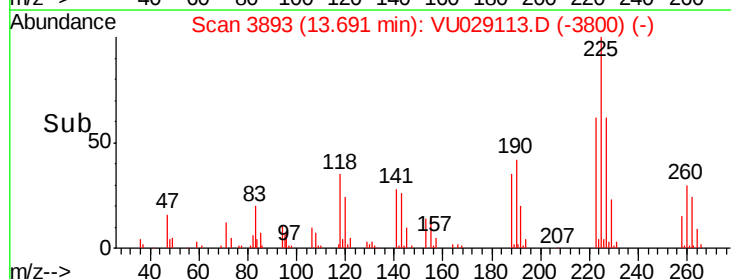
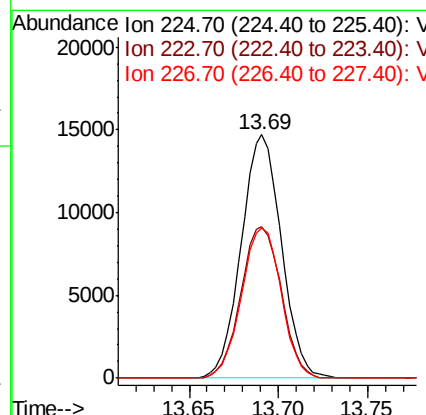
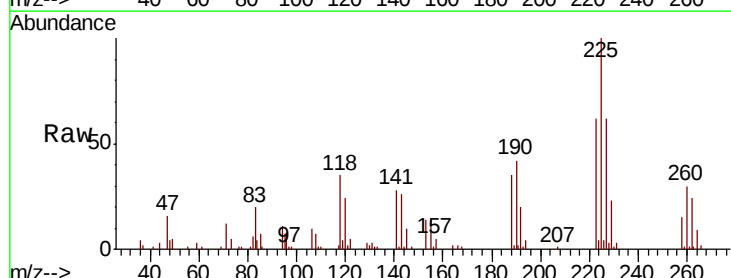
Manual Integrations
 APPROVED

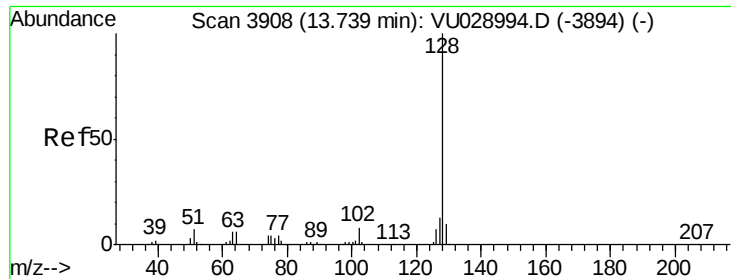
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 1/11/2019 10:03:39 AM



#94
 Hexachlorobutadiene
 Concen: 21.175 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029113.D
 Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.0
227	60.9	31.9	95.5





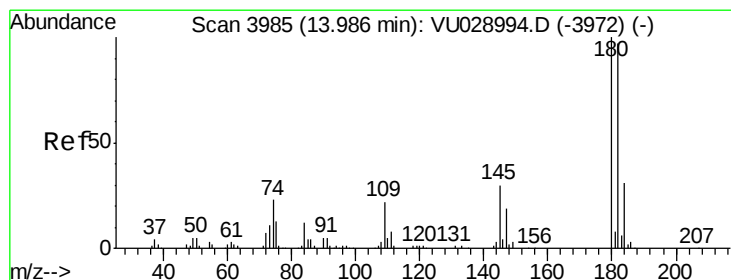
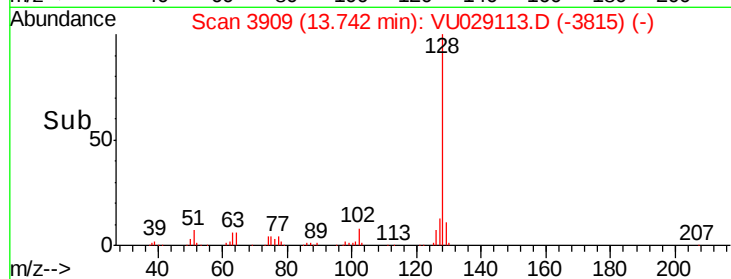
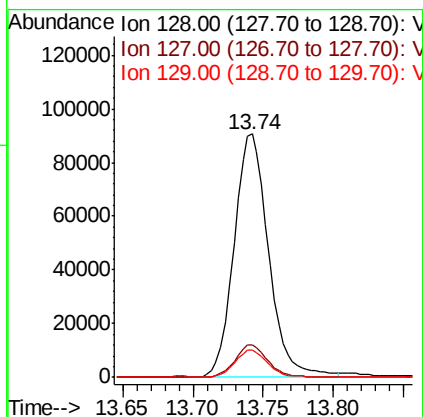
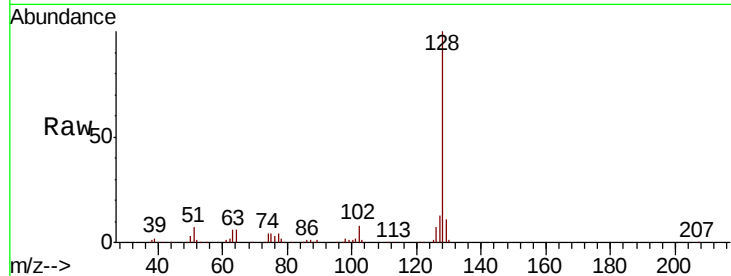
#95
Naphthalene
Concen: 19.314 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Instrument :
MSVOA_U
ClientSampleId :
VU0110WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.322 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029113.D
Acq: 10 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.1	144.3
145	30.3	14.8	44.4

