

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029111.D
 Acq On : 10 Jan 2019 12:15
 Operator : MD/SY
 Sample : VU0110MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:03:31 AM

Quant Time: Jan 11 03:19:04 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	134326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	222918	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	205429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	97769	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	85780	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	4.88	113	72206	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	7.56	98	278730	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	10.31	95	99708	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	24597	18.464	ug/l	98
3) Chloromethane	1.33	50	38493	17.652	ug/l	98
4) Vinyl Chloride	1.40	62	38090	19.403	ug/l	99
5) Bromomethane	1.62	94	22457	20.456	ug/l	96
6) Chloroethane	1.69	64	22476	19.222	ug/l	99
7) Trichlorofluoromethane	1.88	101	43285	20.235	ug/l	98
8) Diethyl Ether	2.10	74	21935	21.344	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	28238	19.729	ug/l	98
10) Methyl Iodide	2.41	142	28495	21.173	ug/l	100
11) Tert butyl alcohol	2.83	59	45427	107.626	ug/l	99
12) 1,1-Dichloroethene	2.28	96	27373	19.648	ug/l	99
13) Acrolein	2.19	56	27480	86.704	ug/l	97
14) Allyl chloride	2.59	41	45649	17.858	ug/l	91
15) Acrylonitrile	2.94	53	108622	104.897	ug/l	100
16) Acetone	2.32	43	91148	87.134	ug/l	98
17) Carbon Disulfide	2.48	76	83316	17.700	ug/l	98
18) Methyl Acetate	2.61	43	53547	22.015	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	100362	20.491	ug/l	99
20) Methylene Chloride	2.70	84	34060	19.177	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	31277	19.324	ug/l	99
22) Diisopropyl ether	3.57	45	103429	20.473	ug/l	94
23) Vinyl Acetate	3.52	43	420981	101.931	ug/l	99
24) 1,1-Dichloroethane	3.45	63	60296	20.675	ug/l	100
25) 2-Butanone	4.26	43	144612	102.353	ug/l	96
26) 2,2-Dichloropropane	4.22	77	46965	19.930	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	35465	20.033	ug/l	99
28) Bromochloromethane	4.55	49	26914	21.552	ug/l	99
29) Tetrahydrofuran	4.64	42	93213	108.776	ug/l	99
30) Chloroform	4.67	83	57349	20.646	ug/l	98
31) Cyclohexane	4.99	56	55913	19.628	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	47762	20.809	ug/l	99
36) 1,1-Dichloropropene	5.13	75	43118	19.351	ug/l	99
37) Ethyl Acetate	4.38	43	49029	20.046	ug/l	98
38) Carbon Tetrachloride	5.13	117	37968	20.430	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	52078	19.012	ug/l	99
40) Benzene	5.39	78	138247	19.891	ug/l	99
41) Methacrylonitrile	4.54	41	26965	20.597	ug/l	99
42) 1,2-Dichloroethane	5.40	62	43650	20.900	ug/l	100
43) Isopropyl Acetate	5.55	43	80618	21.488	ug/l	98
44) Trichloroethene	6.18	130	32841	19.071	ug/l	99
45) 1,2-Dichloropropane	6.43	63	37587	20.479	ug/l	99
46) Dibromomethane	6.56	93	23384	19.930	ug/l	98
47) Bromodichloromethane	6.75	83	43539	20.154	ug/l	98
48) Methyl methacrylate	6.62	41	38821	21.250	ug/l	99
49) 1,4-Dioxane	6.61	88	19179	443.000	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	268596	105.195	ug/l	99
52) Toluene	7.64	92	83270	19.680	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	50207	19.347	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	55221	19.693	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	34720	20.483	ug/l	98
56) Ethyl methacrylate	8.02	69	52943	20.274	ug/l	99
57) 1,3-Dichloropropane	8.24	76	59985	20.681	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	118689	103.347	ug/l	99
59) 2-Hexanone	8.36	43	206714	103.137	ug/l	99
60) Dibromochloromethane	8.48	129	33371	19.872	ug/l	99
61) 1,2-Dibromoethane	8.58	107	36888	20.066	ug/l	100
64) Tetrachloroethene	8.22	164	29313	19.809	ug/l	90
65) Chlorobenzene	9.12	112	90672	19.691	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	30575	20.460	ug/l	99
67) Ethyl Benzene	9.25	91	162758	21.171	ug/l	99
68) m/p-Xylenes	9.37	106	133536	44.704	ug/l	98
69) o-Xylene	9.78	106	63756	22.151	ug/l	98
70) Styrene	9.79	104	94956	20.125	ug/l	99
71) Bromoform	9.95	173	25535	19.191	ug/l	# 97
73) Isopropylbenzene	10.16	105	152967	21.138	ug/l	99
74) N-amyl acetate	10.01	43	66928	21.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	60831	20.974	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	51056m	21.313	ug/l	
77) Bromobenzene	10.45	156	38487	20.408	ug/l	99
78) n-propylbenzene	10.58	91	183837	21.556	ug/l	99
79) 2-Chlorotoluene	10.66	91	110090	21.280	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	136266	22.549	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	17320m	18.647	ug/l	
82) 4-Chlorotoluene	10.77	91	119978	20.225	ug/l	99
83) tert-Butylbenzene	11.10	119	125117	21.006	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	174666	28.950	ug/l	100
85) sec-Butylbenzene	11.32	105	154107	21.393	ug/l	99
86) p-Isopropyltoluene	11.47	119	129338	21.071	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	68396	19.773	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	69324	19.415	ug/l	99
89) n-Butylbenzene	11.89	91	120429	21.982	ug/l	98
90) Hexachloroethane	12.14	117	20581	19.931	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	70229	20.157	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12442	22.304	ug/l	97

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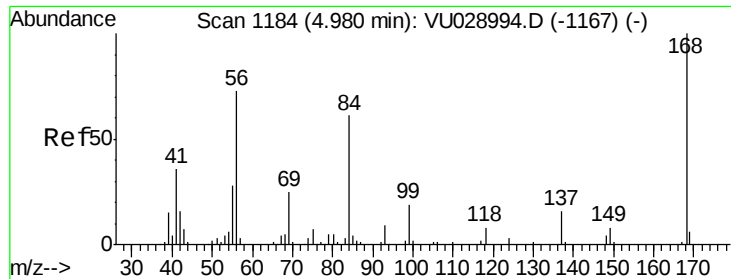
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	44412	19.969	ug/l	98
94) Hexachlorobutadiene	13.69	225	22251	21.873	ug/l	99
95) Naphthalene	13.74	128	156846	20.731	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	46894	20.939	ug/l	98

(#) = 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: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 168 Resp: 134326

Ion Ratio Lower Upper

168 100

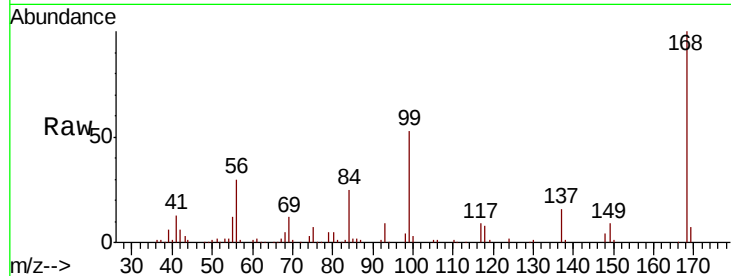
99 52.6 42.0 63.0

Manual Integrations

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

Ion 98.90 (98.60 to 99.60): VU029111.D (-1091) (-)

4.98

60000

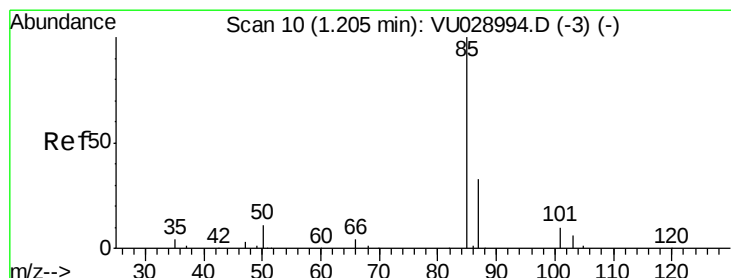
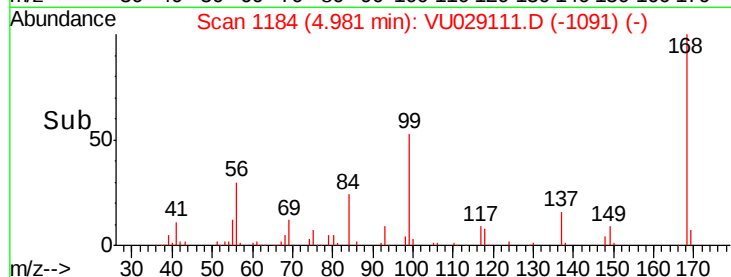
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.464 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029111.D

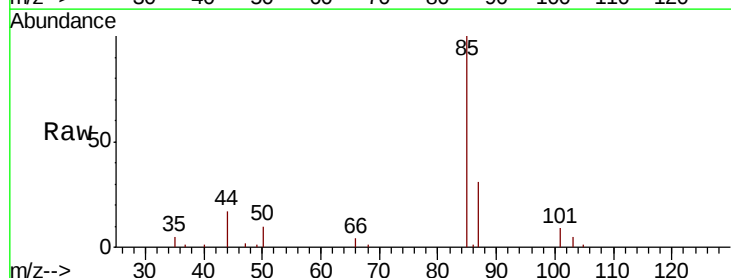
Acq: 10 Jan 2019 12:15

Tgt Ion: 85 Resp: 24597

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.8



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

Ion 86.90 (86.60 to 87.60): VU029111.D (-1) (-)

1.21

30000

25000

20000

15000

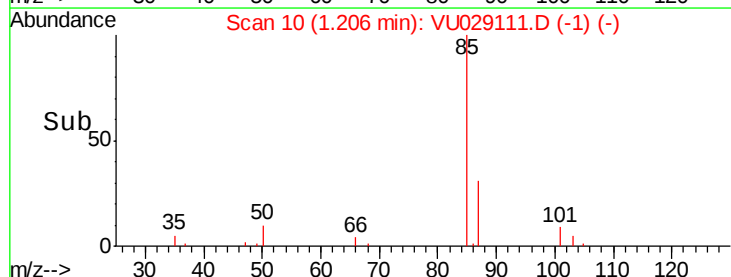
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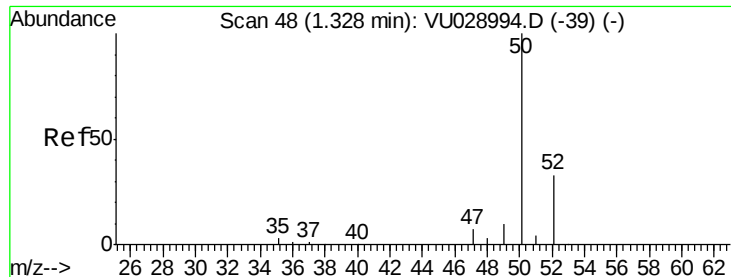
5000

0

1.20 1.21 1.22 1.23 1.24 1.25

Time-->





#3

Chloromethane

Concen: 17.652 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 50 Resp: 38493

Ion Ratio Lower Upper

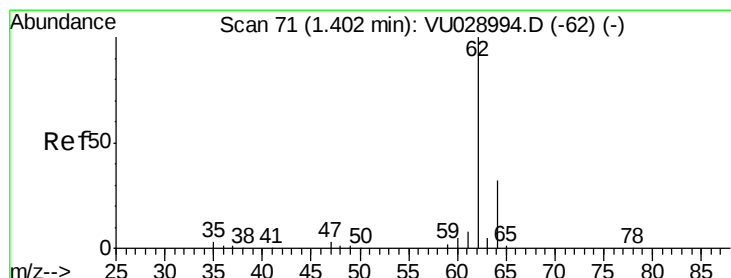
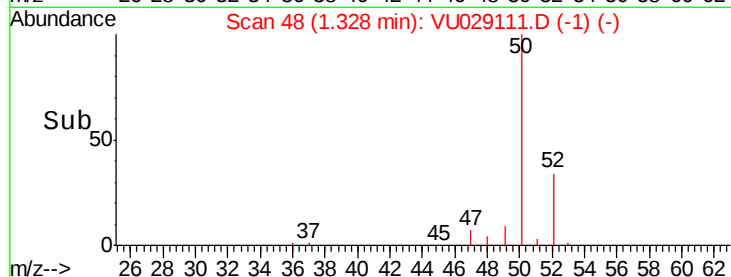
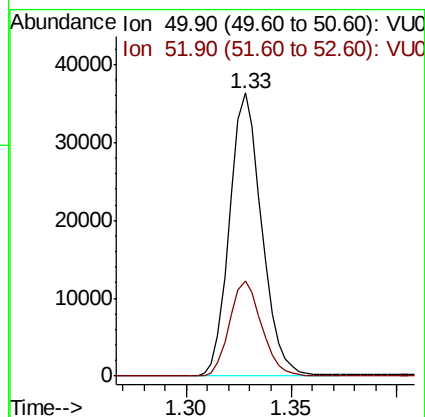
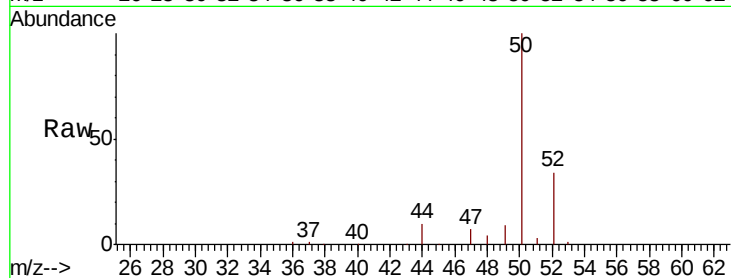
50 100

52 33.6 26.1 39.1

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1/11/2019 10:03:31 AM



#4

Vinyl Chloride

Concen: 19.403 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029111.D

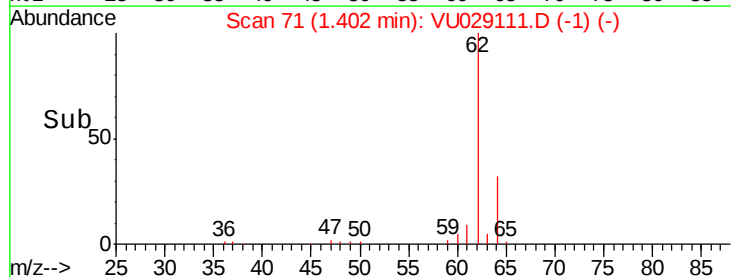
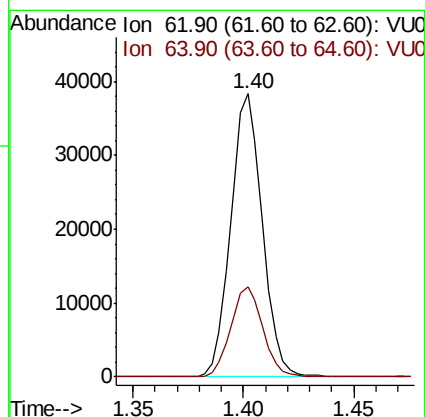
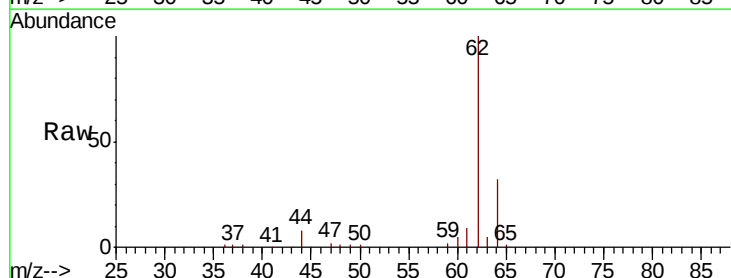
Acq: 10 Jan 2019 12:15

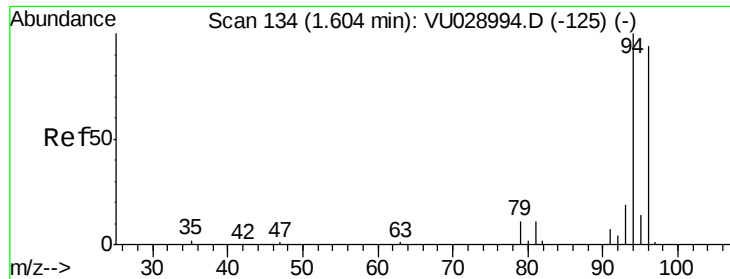
Tgt Ion: 62 Resp: 38090

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9





#5

Bromomethane

Concen: 20.456 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 94 Resp: 22457

Ion Ratio Lower Upper

94 100

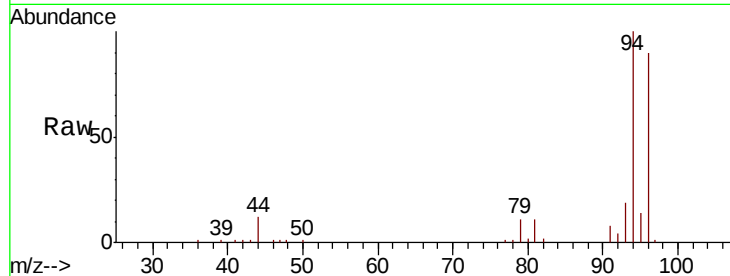
96 90.4 75.5 113.3

Manual Integrations

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1/11/2019 10:03:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

20000

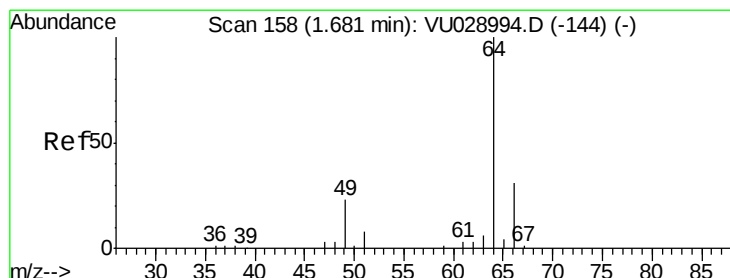
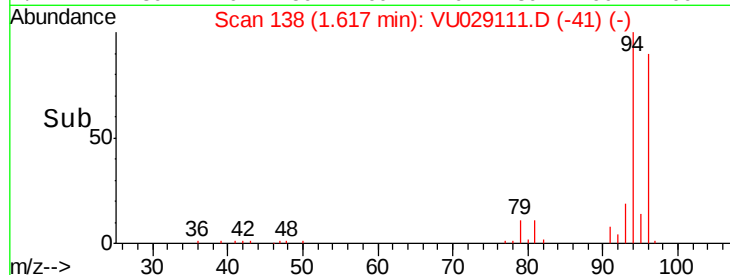
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.222 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029111.D

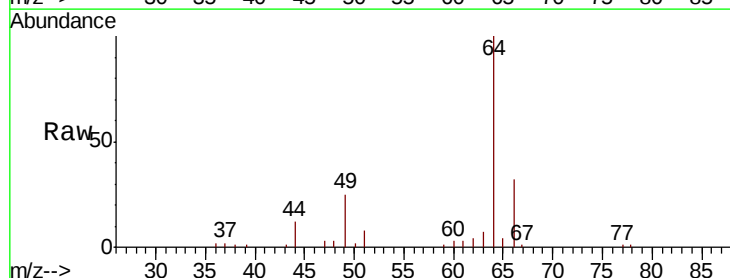
Acq: 10 Jan 2019 12:15

Tgt Ion: 64 Resp: 22476

Ion Ratio Lower Upper

64 100

66 31.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

20000

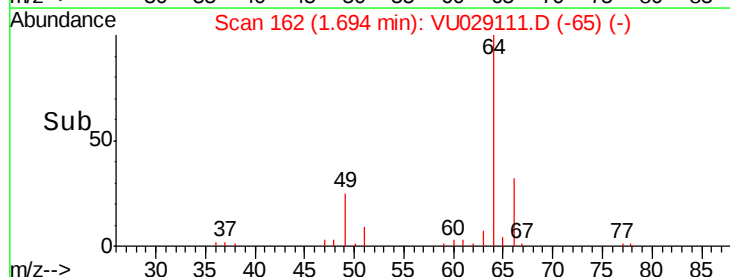
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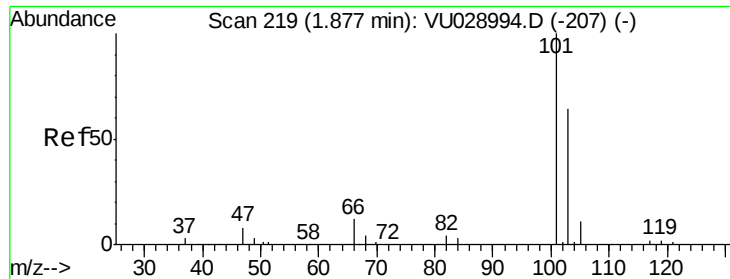
10000

5000

0

Time-->





#7

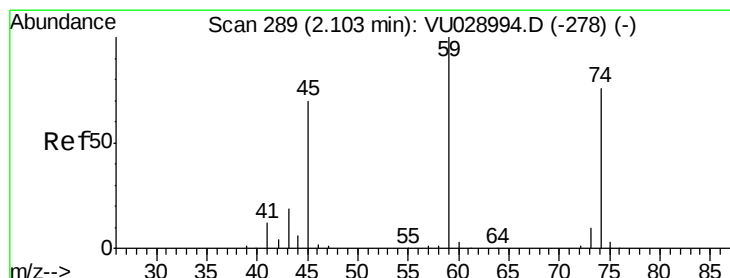
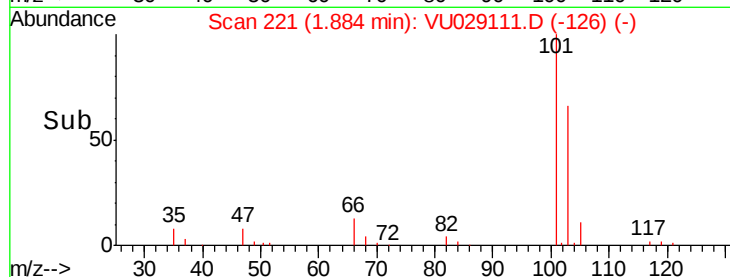
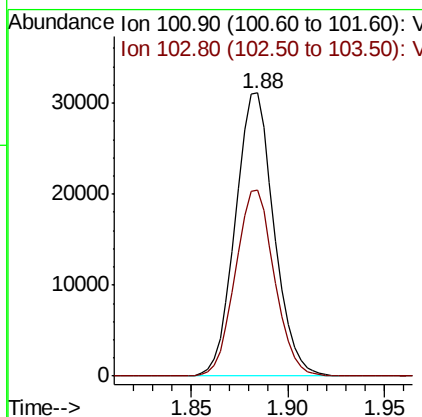
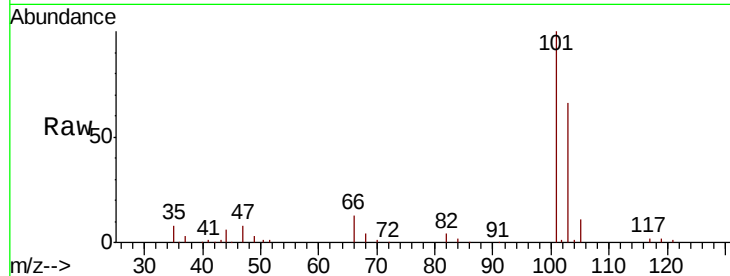
Trichlorofluoromethane
 Concen: 20.235 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
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 VU0110MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	43285		
103	65.9	51.5	77.3	

Manual Integrations
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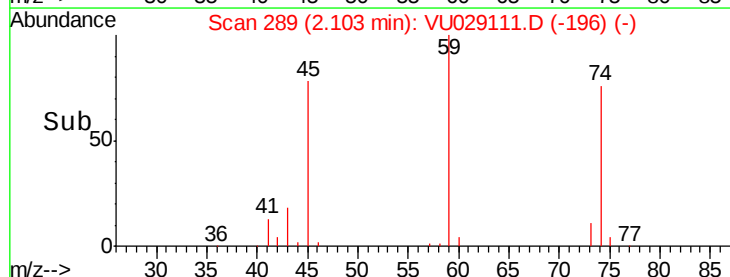
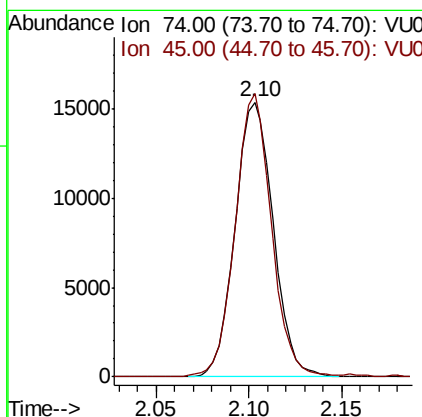
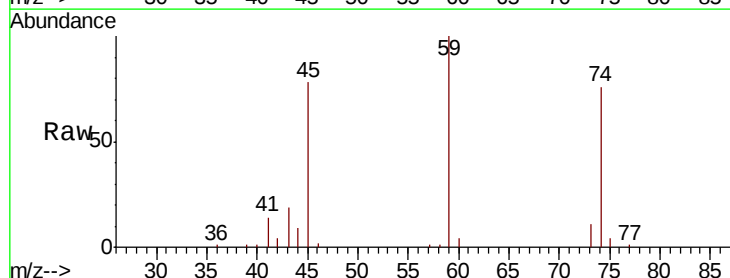
MMDadoda
 1/11/2019 10:03:31 AM

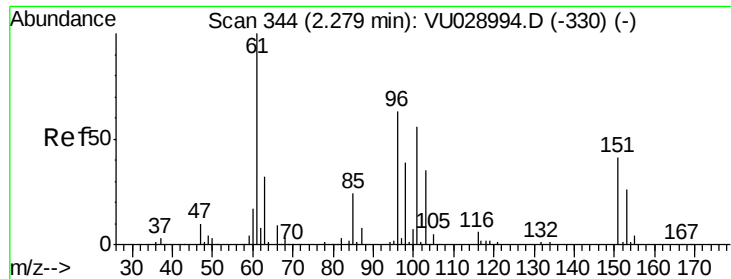


#8

Diethyl Ether
 Concen: 21.344 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	21935		
45	97.9	46.9	140.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.729 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029111.D

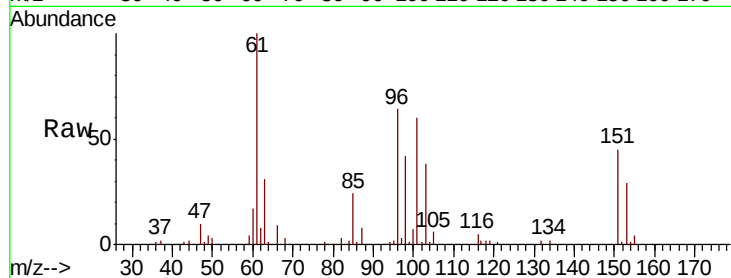
Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

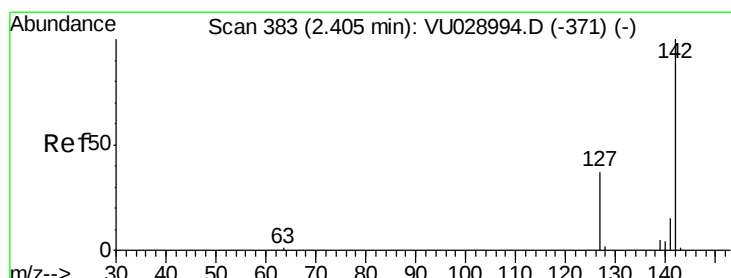
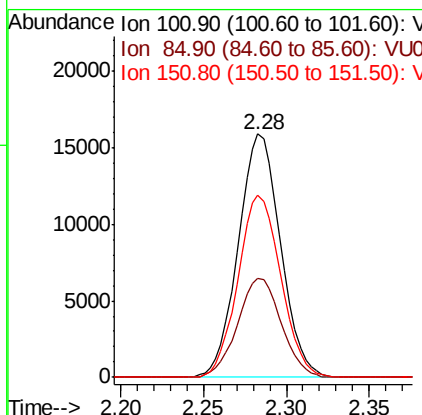
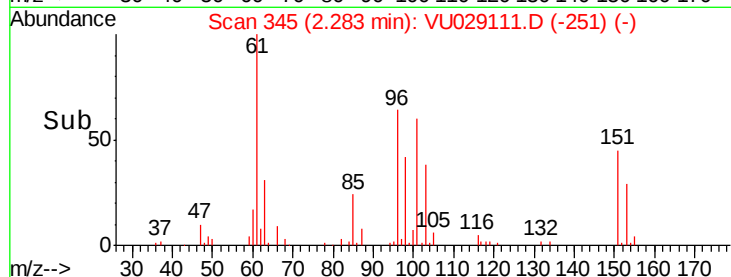
VU0110MBS01



Tgt Ion:	101	Resp:	28238
Ion Ratio	Lower	Upper	
101	100		
85	41.8	35.1	52.7
151	75.6	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

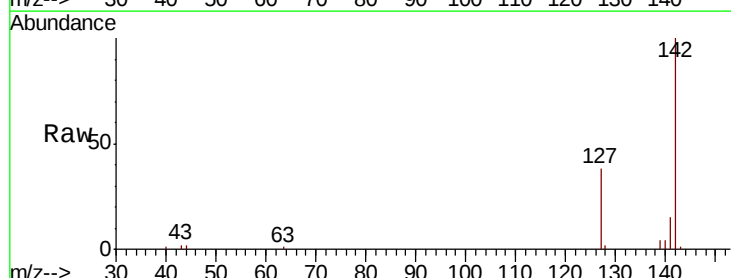
Concen: 21.173 ug/l

RT: 2.41 min Scan# 384

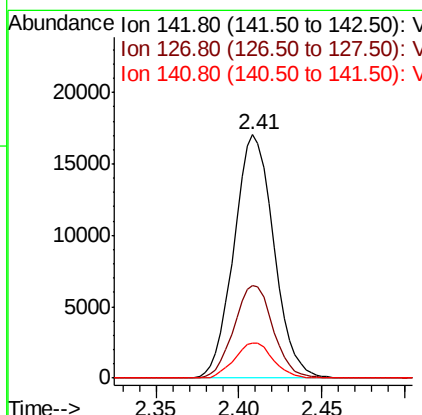
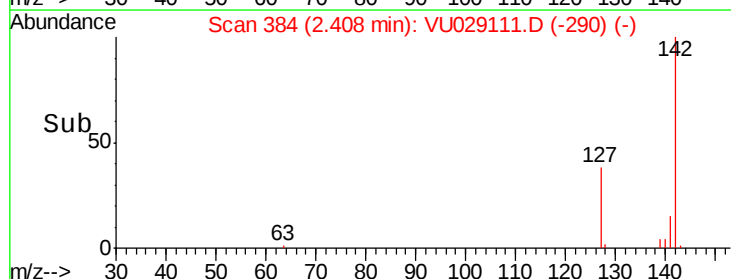
Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15



Tgt Ion:	142	Resp:	28495
Ion Ratio	Lower	Upper	
142	100		
127	37.4	29.8	44.6
141	14.0	11.5	17.3





#11

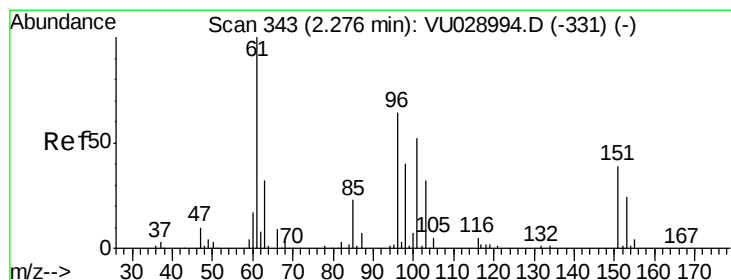
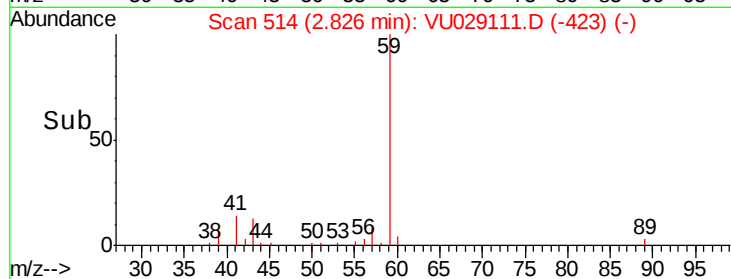
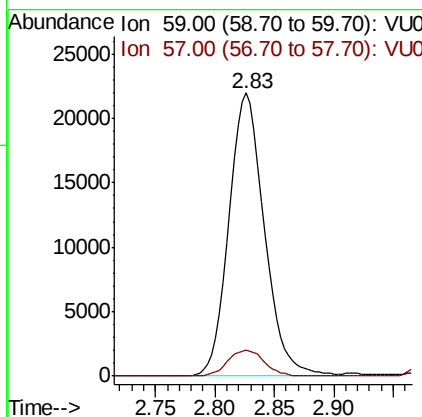
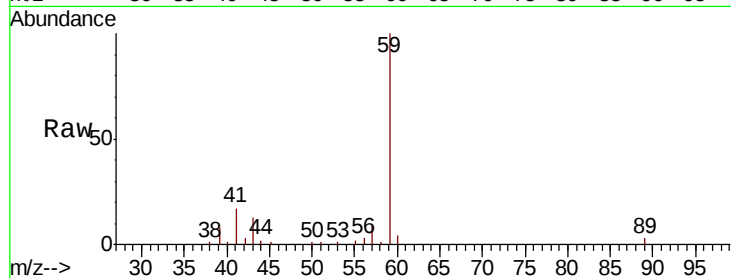
Tert butyl alcohol
 Concen: 107.626 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.9	11.9

Manual Integrations
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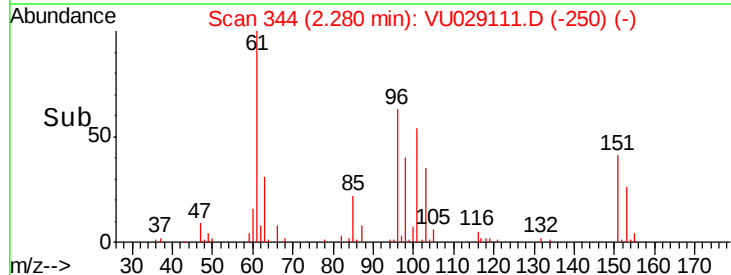
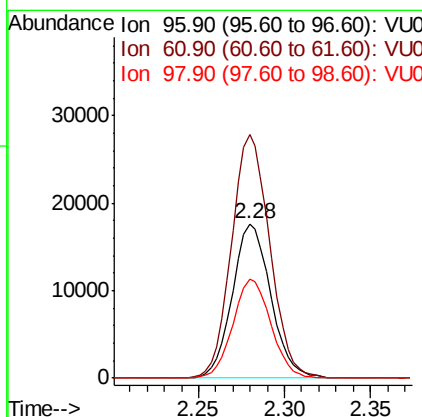
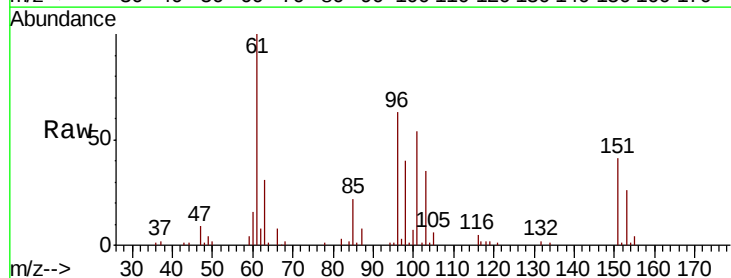
MMDadoda
 1/11/2019 10:03:31 AM

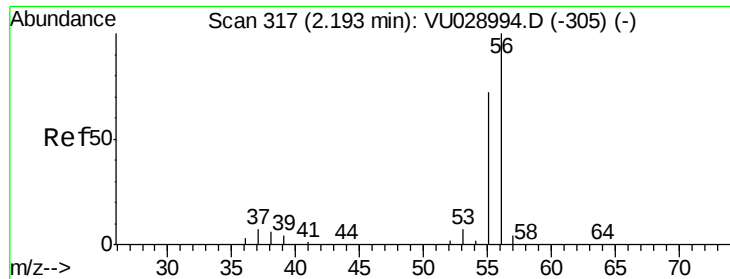


#12

1,1-Dichloroethene
 Concen: 19.648 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.8	125.4	188.0
98	63.9	49.7	74.5





#13

Acrolein

Concen: 86.704 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 56 Resp: 27480

Ion Ratio Lower Upper

56 100

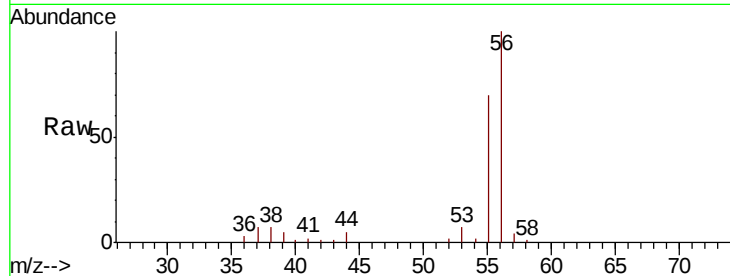
55 72.8 56.5 84.7

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Abundance Ion 56.00 (55.70 to 56.70): VU028994.D (-305) (-)

Ion 55.00 (54.70 to 55.70): VU028994.D (-305) (-)

20000

15000

10000

5000

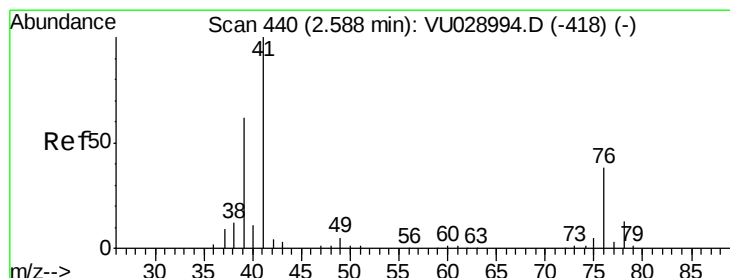
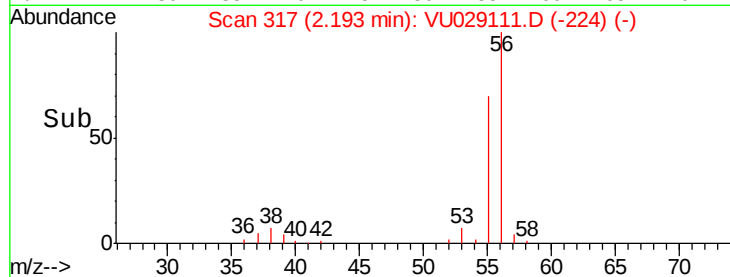
0

2.15

2.20

2.25

Time-->



#14

Allyl chloride

Concen: 17.858 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

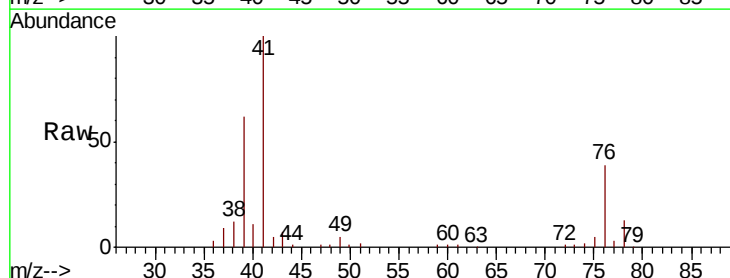
Tgt Ion: 41 Resp: 45649

Ion Ratio Lower Upper

41 100

39 63.1 45.0 67.6

76 39.3 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VU028994.D (-418) (-)

Ion 39.00 (38.70 to 39.70): VU028994.D (-418) (-)

Ion 75.90 (75.60 to 76.60): VU028994.D (-418) (-)

30000

20000

10000

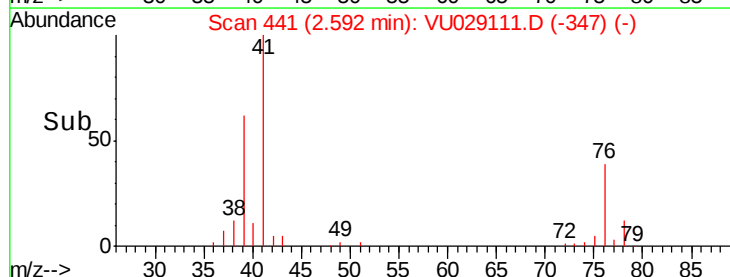
0

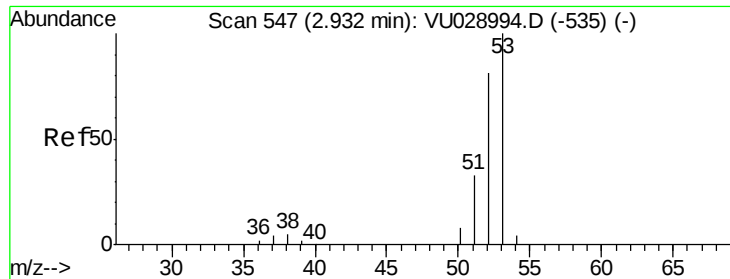
2.55

2.60

2.65

Time-->





#15

Acrylonitrile

Concen: 104.897 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

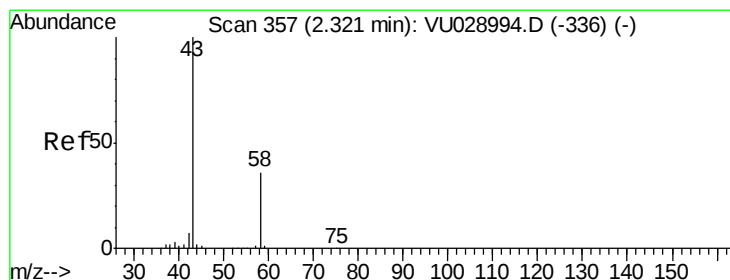
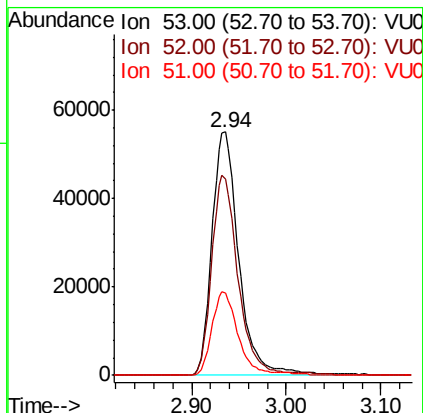
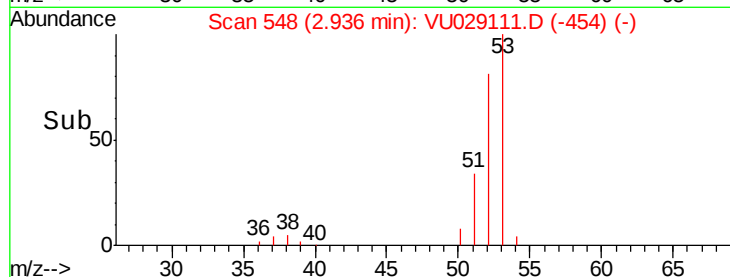
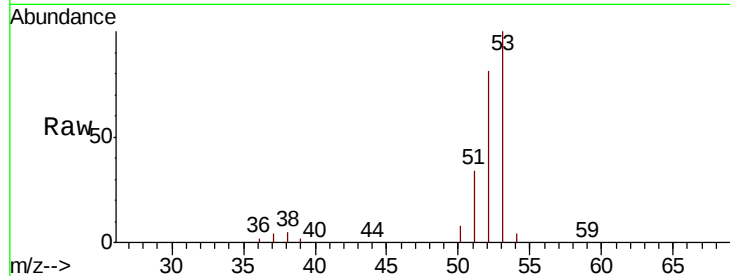
ClientSampleId :

VU0110MBS01

Tgt Ion:	53	Resp:	108622
Ion	Ratio	Lower	Upper
53	100		
52	80.6	64.8	97.2
51	34.2	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 87.134 ug/l

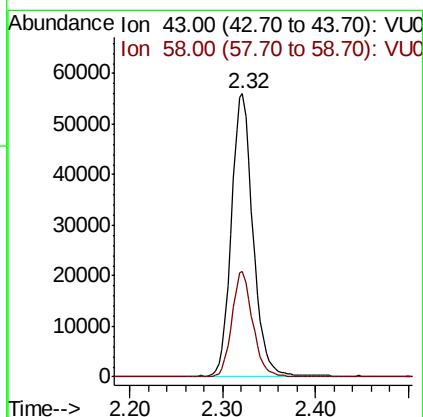
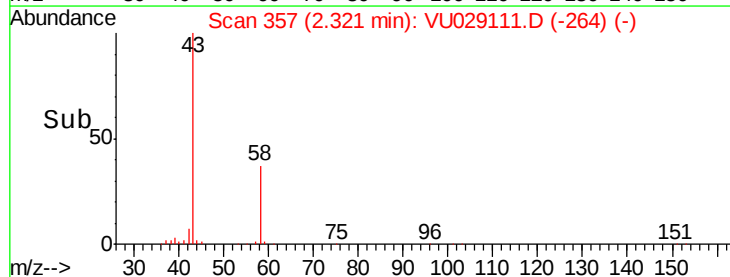
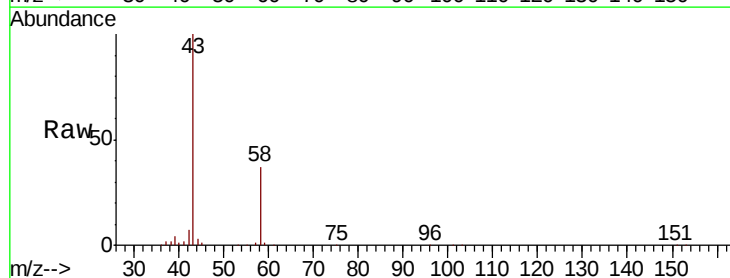
RT: 2.32 min Scan# 357

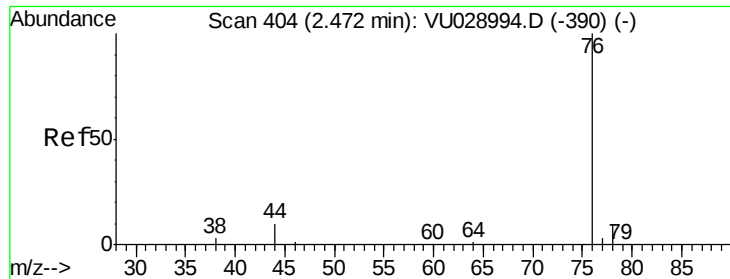
Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Tgt Ion:	43	Resp:	91148
Ion	Ratio	Lower	Upper
43	100		
58	37.1	28.6	42.8





#17

Carbon Disulfide

Concen: 17.700 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 76 Resp: 83316

Ion Ratio Lower Upper

76 100

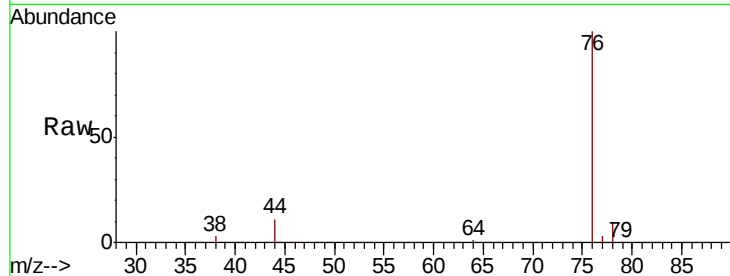
78 9.6 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

60000

50000

40000

30000

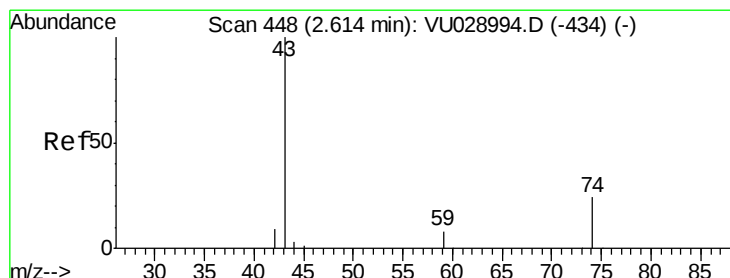
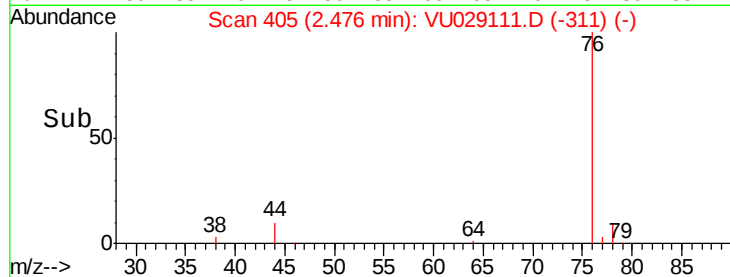
20000

10000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 22.015 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029111.D

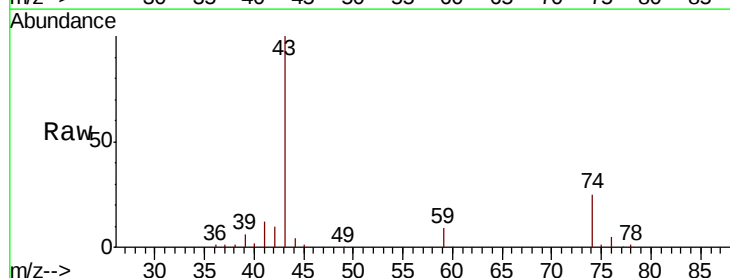
Acq: 10 Jan 2019 12:15

Tgt Ion: 43 Resp: 53547

Ion Ratio Lower Upper

43 100

74 25.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

30000

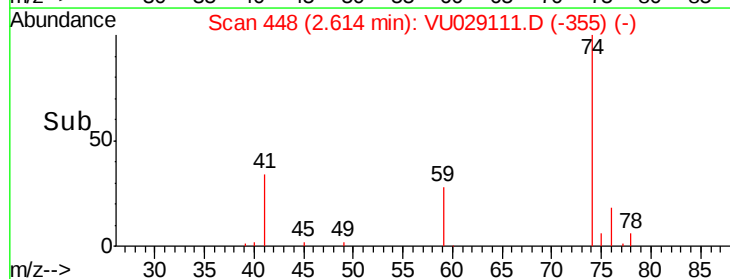
20000

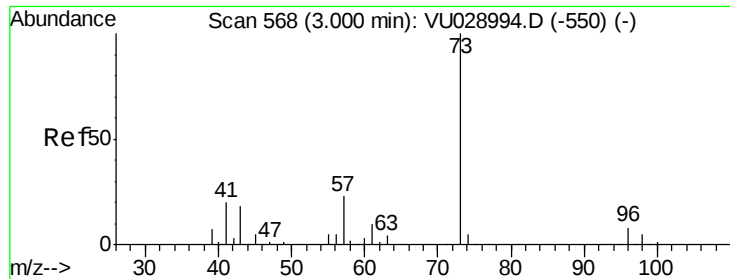
10000

0

2.55 2.60 2.65 2.70

Time-->





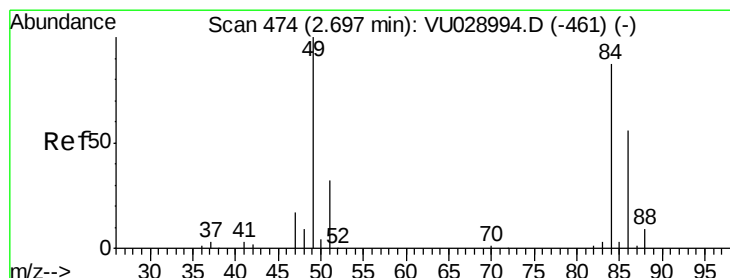
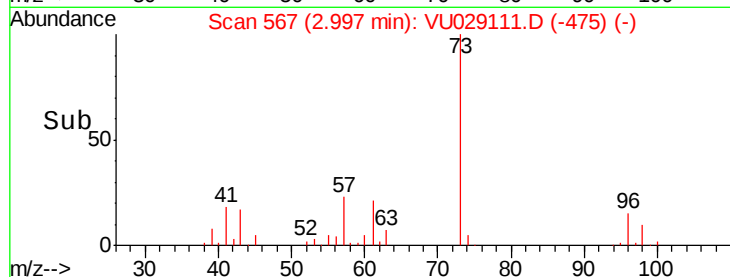
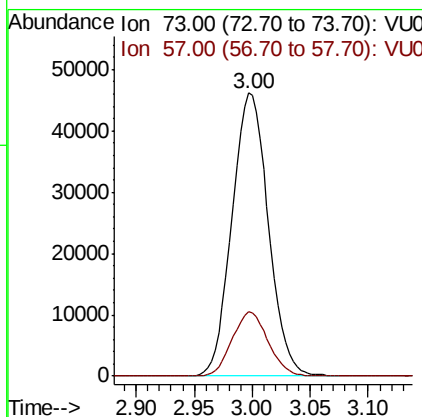
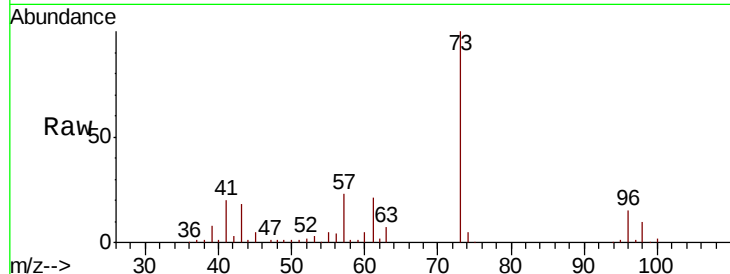
#19
Methyl tert-butyl Ether
Concen: 20.491 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion: 73 Resp: 100362
Ion Ratio Lower Upper
73 100
57 22.7 18.6 28.0

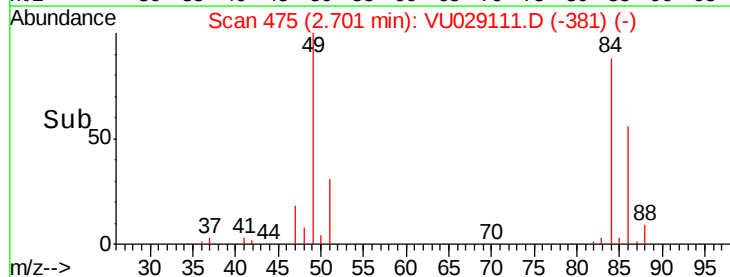
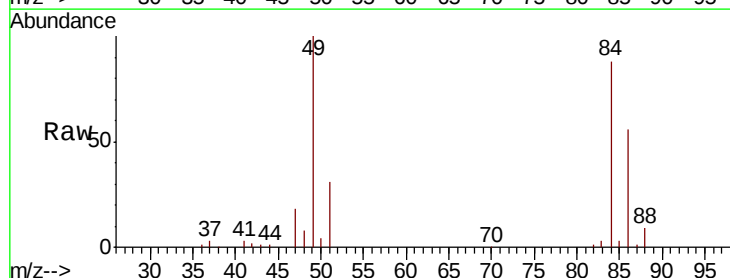
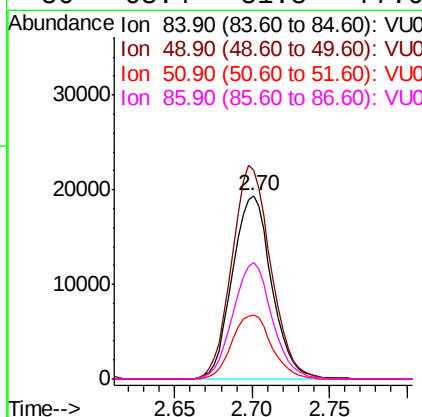
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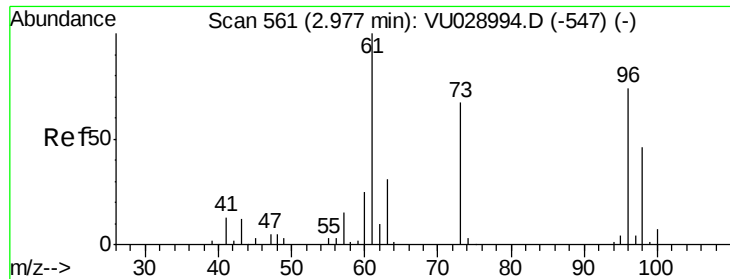
MMDadoda
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#20
Methylene Chloride
Concen: 19.177 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 84 Resp: 34060
Ion Ratio Lower Upper
84 100
49 114.1 91.9 137.9
51 35.0 29.2 43.8
86 63.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.324 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 96 Resp: 31277

Ion Ratio Lower Upper

96 100

61 133.6 107.7 161.5

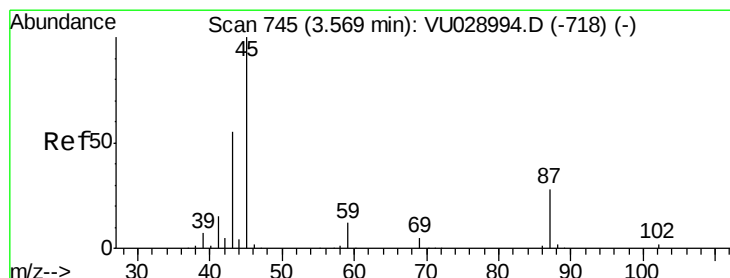
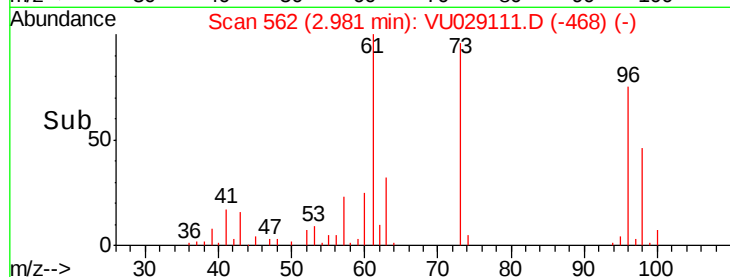
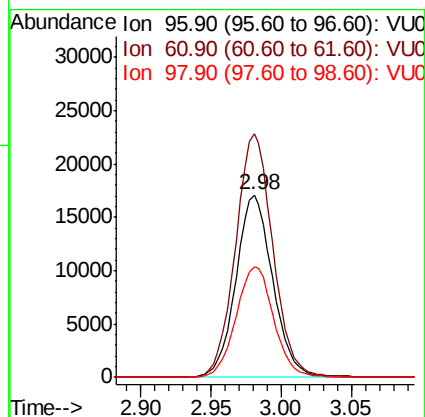
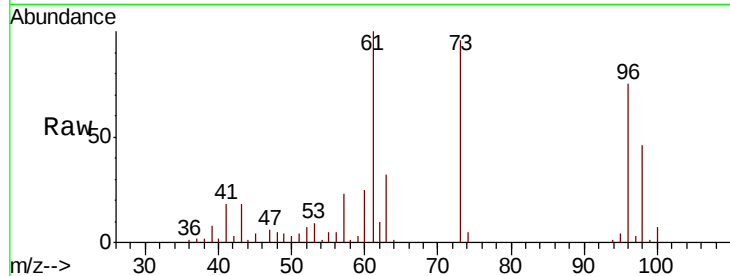
98 60.8 49.2 73.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.473 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Tgt Ion: 45 Resp: 103429

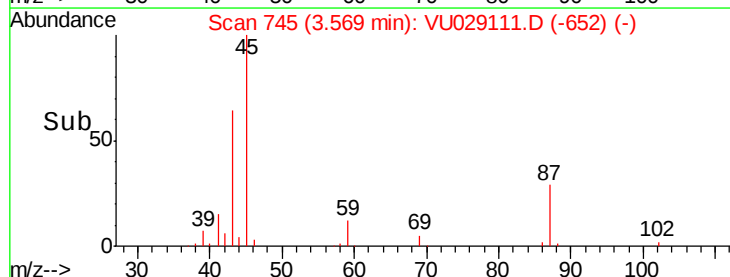
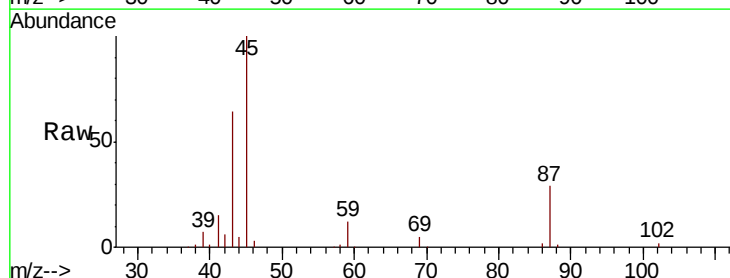
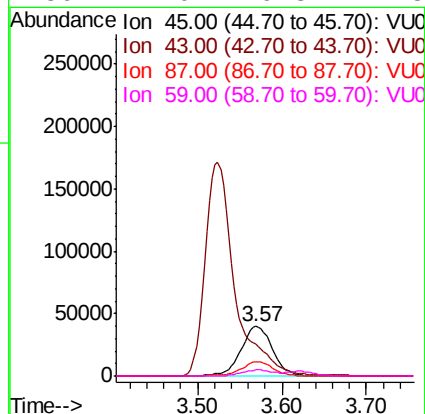
Ion Ratio Lower Upper

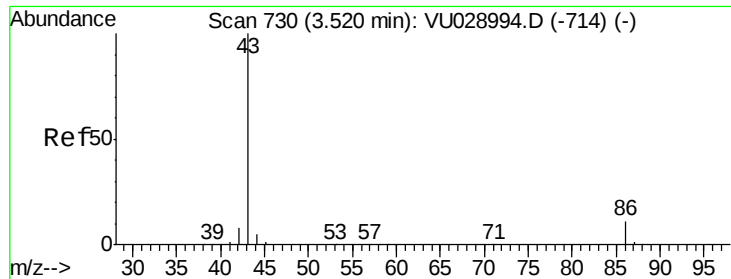
45 100

43 62.3 44.7 67.1

87 29.3 22.2 33.2

59 12.0 9.8 14.8





#23

Vinyl Acetate

Concen: 101.931 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 43 Resp: 420981

Ion Ratio Lower Upper

43 100

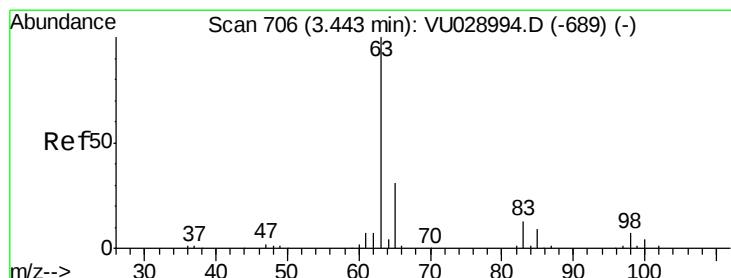
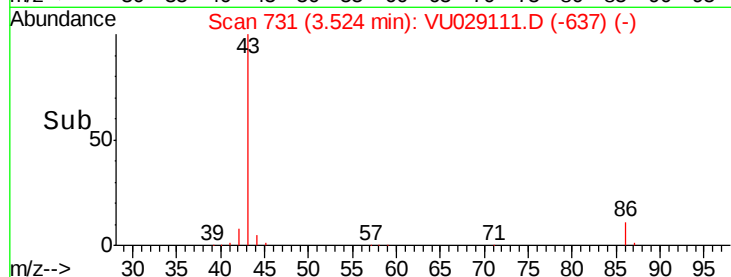
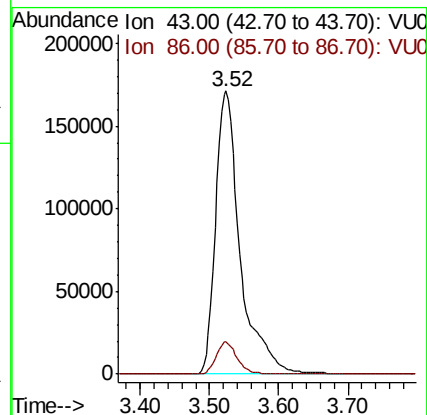
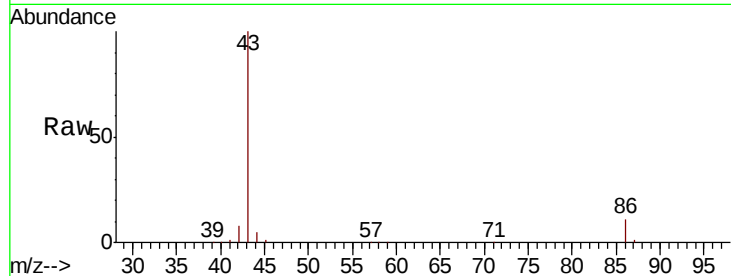
86 11.3 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 20.675 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

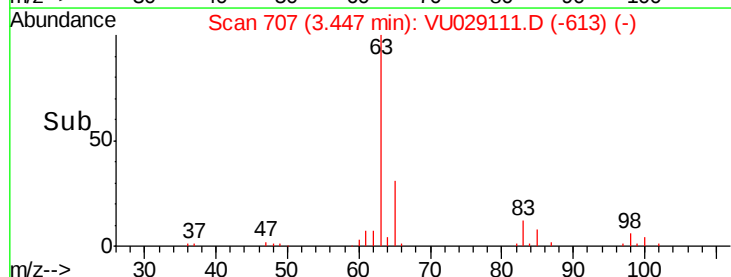
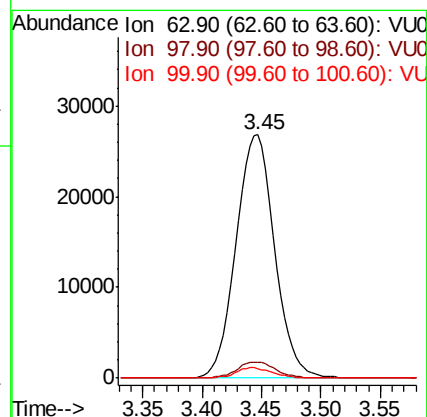
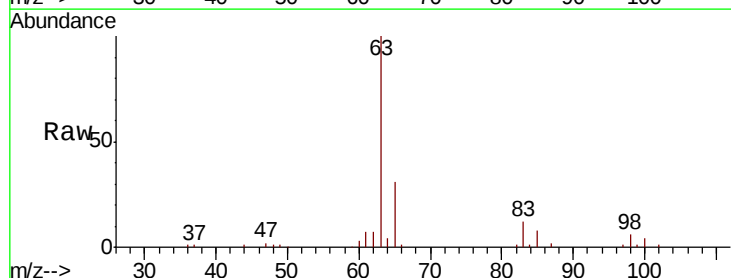
Tgt Ion: 63 Resp: 60296

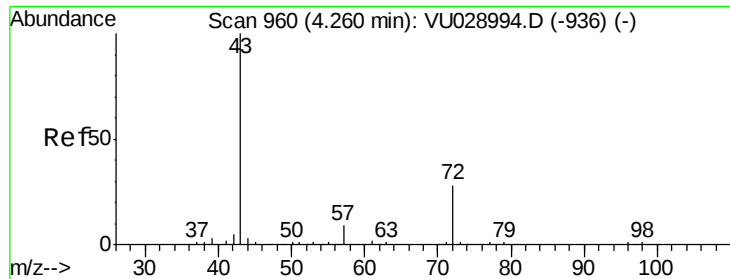
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 102.353 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 43 Resp: 144612

Ion Ratio Lower Upper

43 100

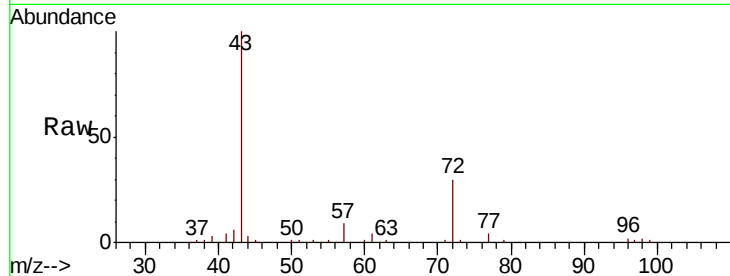
72 30.1 22.6 33.8

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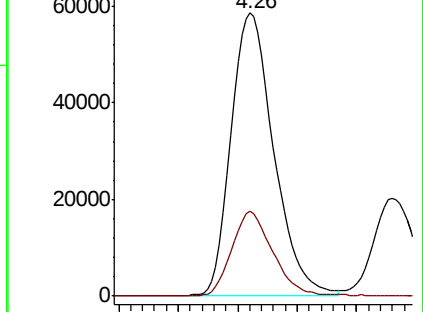
MMDadoda

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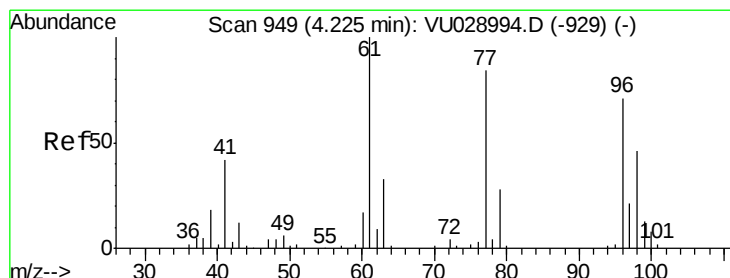
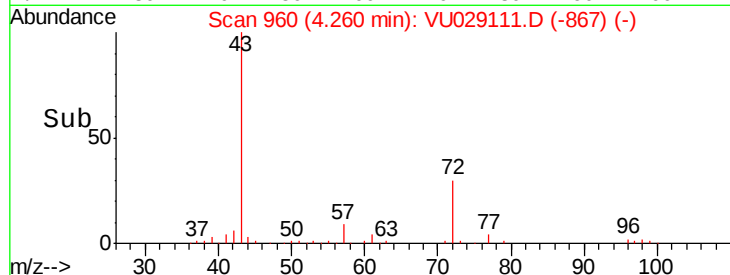


Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU028994.D (-936) (-)



Time-->



#26

2,2-Dichloropropane

Concen: 19.930 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029111.D

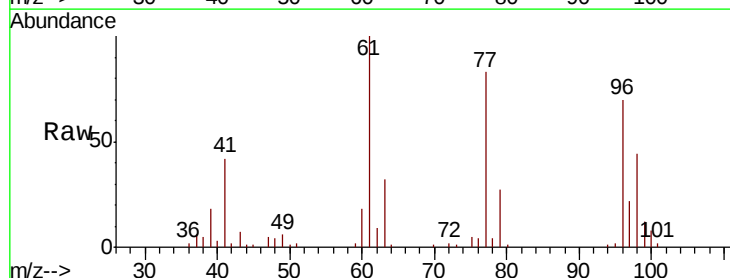
Acq: 10 Jan 2019 12:15

Tgt Ion: 77 Resp: 46965

Ion Ratio Lower Upper

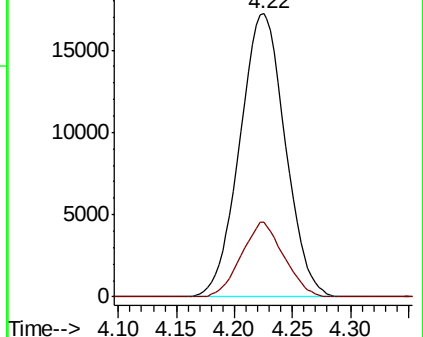
77 100

97 24.7 12.0 36.1

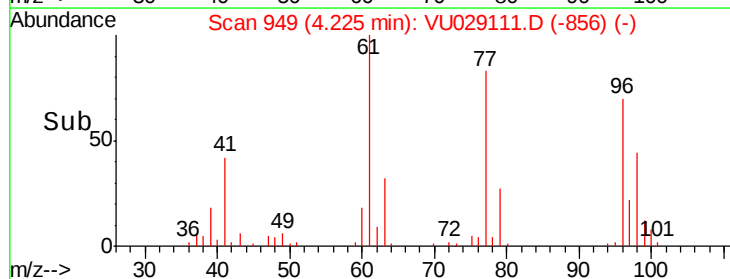


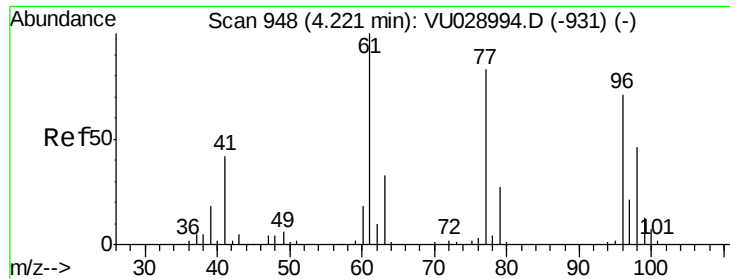
Abundance Ion 76.90 (76.60 to 77.60): VU028994.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU028994.D (-929) (-)



Time-->





#27

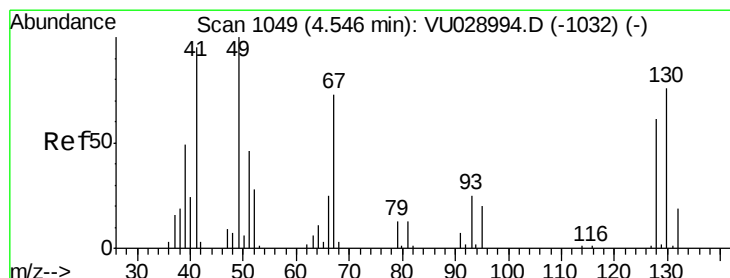
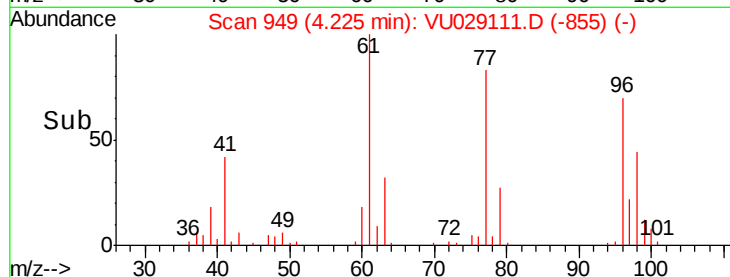
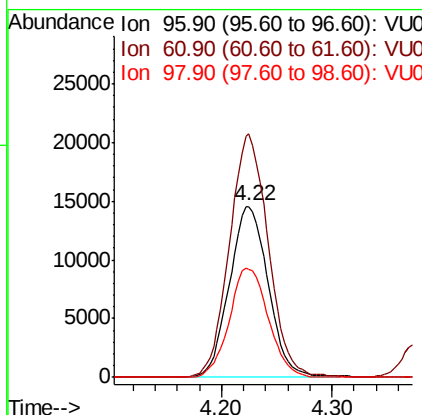
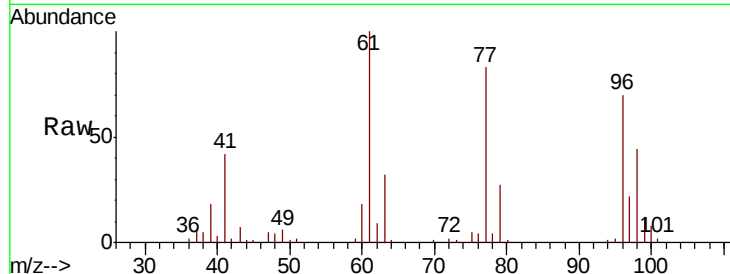
cis-1,2-Dichloroethene
Concen: 20.033 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampled :
VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	285.6
98	64.0	0.0	130.2

Manual Integrations
APPROVED

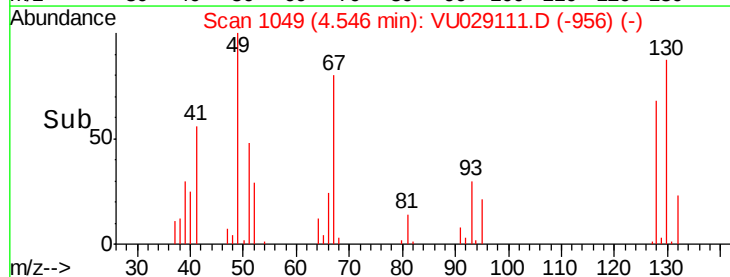
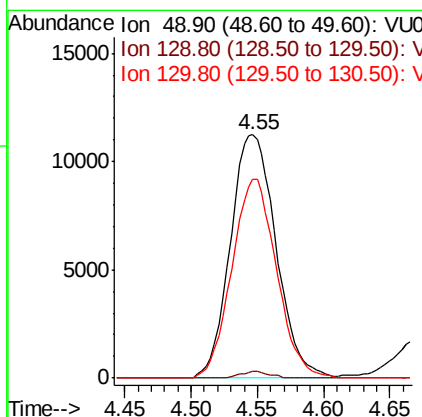
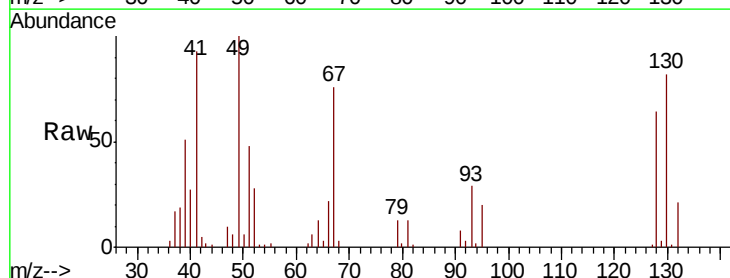
MMDadoda
1/11/2019 10:03:31 AM

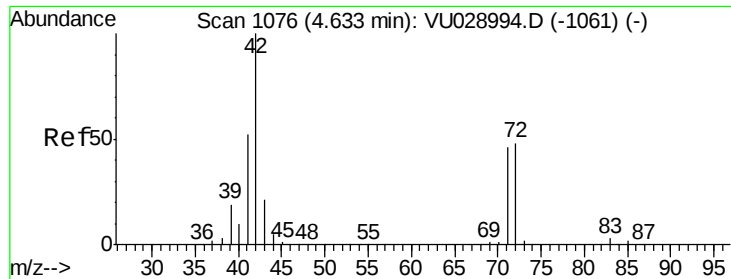


#28

Bromochloromethane
Concen: 21.552 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	79.9	62.9	94.3





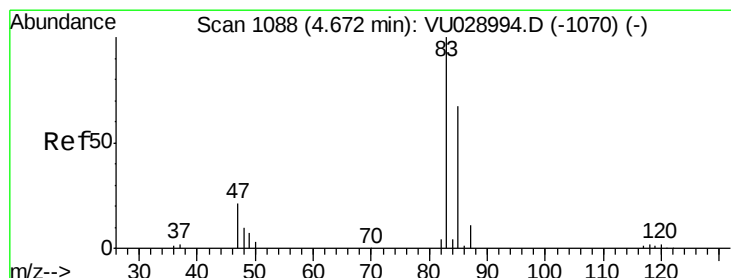
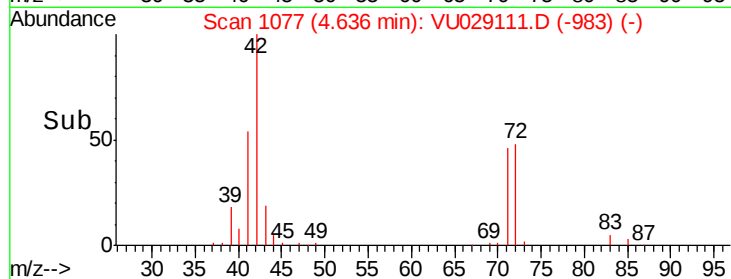
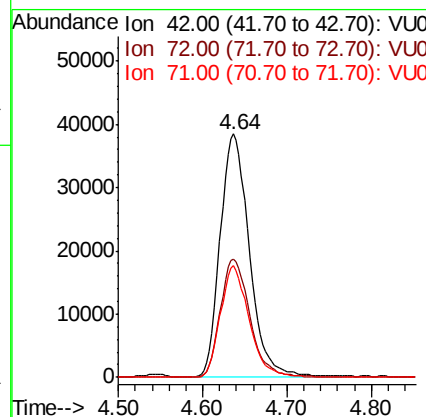
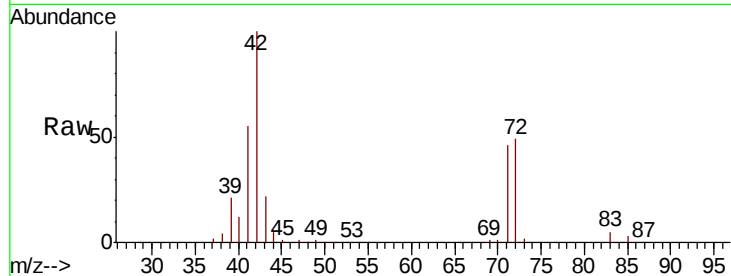
#29
Tetrahydrofuran
Concen: 108.776 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.7	38.3	57.5
71	44.8	36.1	54.1

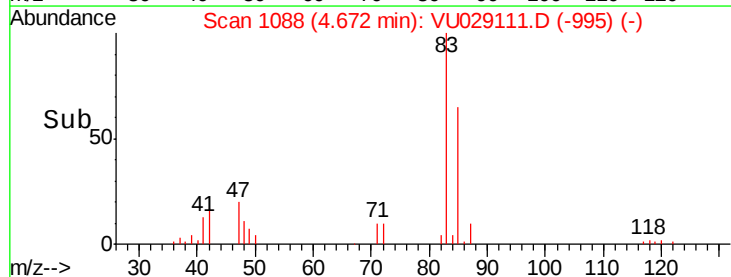
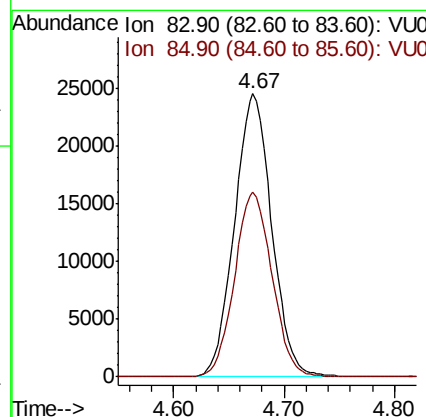
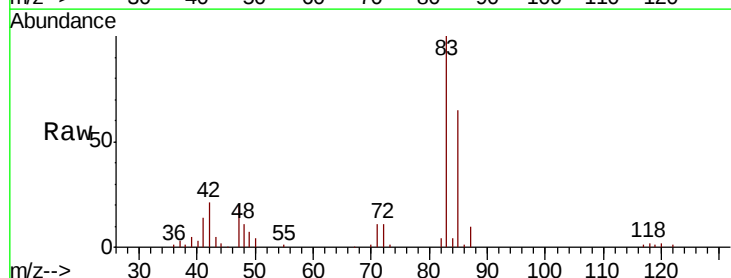
Manual Integrations
APPROVED

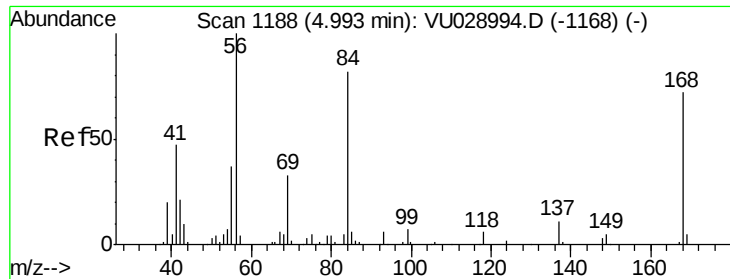
MMDadoda
1/11/2019 10:03:31 AM



#30
Chloroform
Concen: 20.646 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.4	80.0





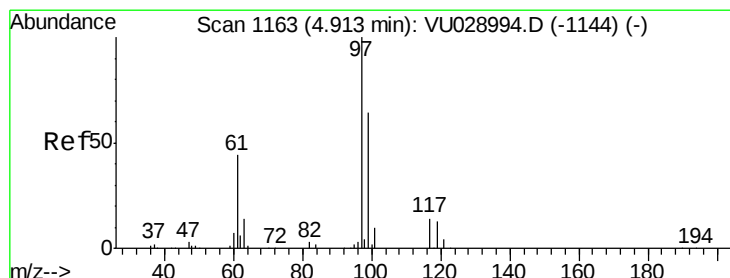
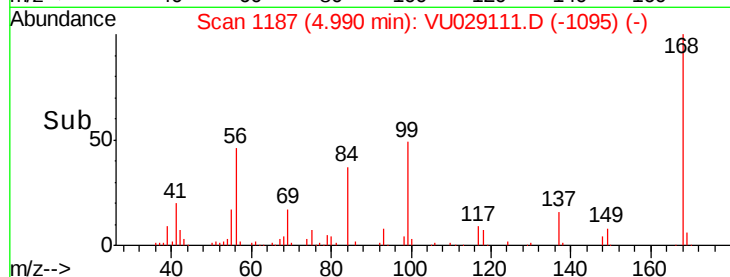
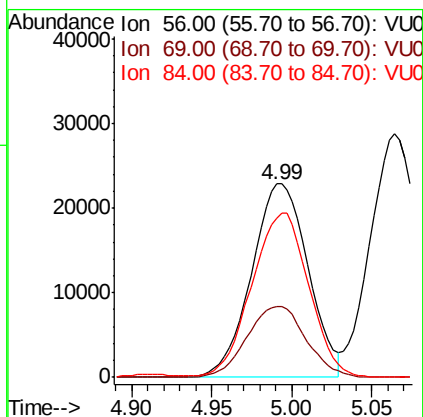
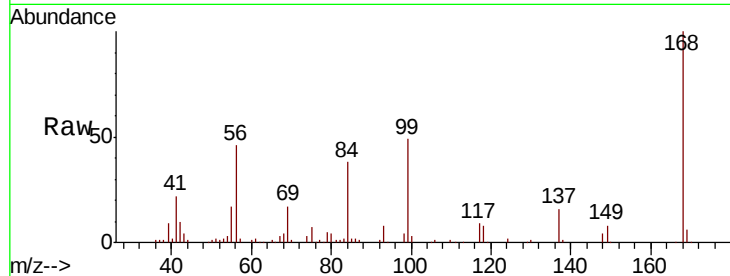
#31
Cyclohexane
Concen: 19.628 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	55913		
69	36.9	26.7	40.1	
84	81.7	65.7	98.5	

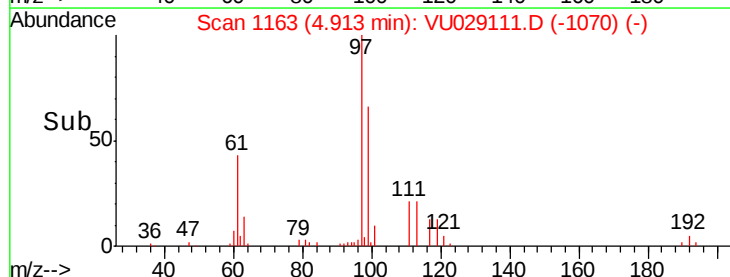
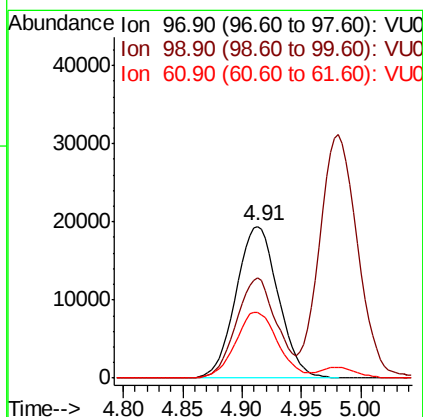
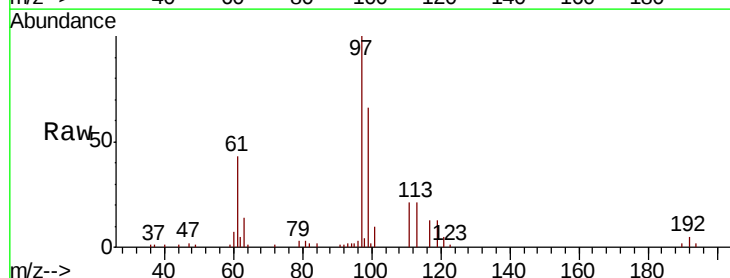
Manual Integrations
APPROVED

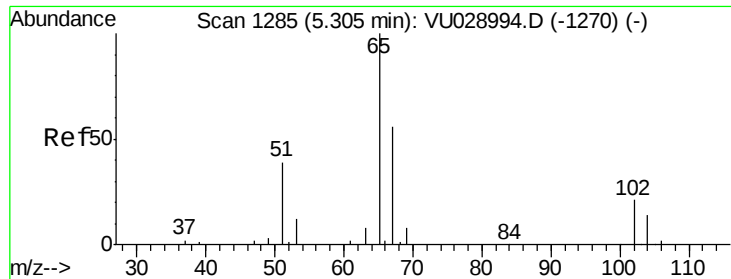
MMDadoda
1/11/2019 10:03:31 AM



#32
1,1,1-Trichloroethane
Concen: 20.809 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	47762		
99	63.2	51.0	76.4	
61	43.3	34.4	51.6	





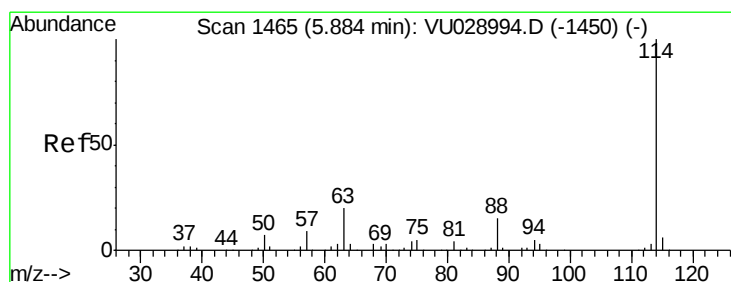
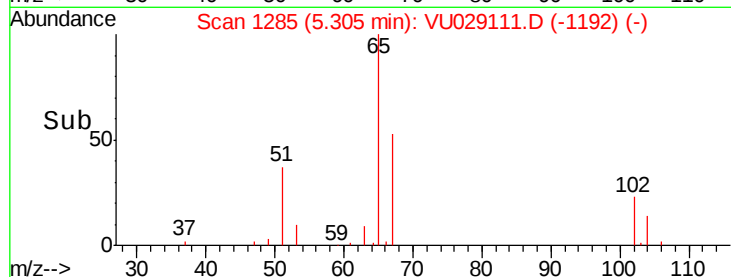
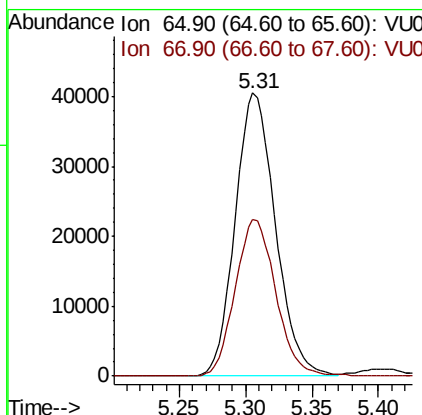
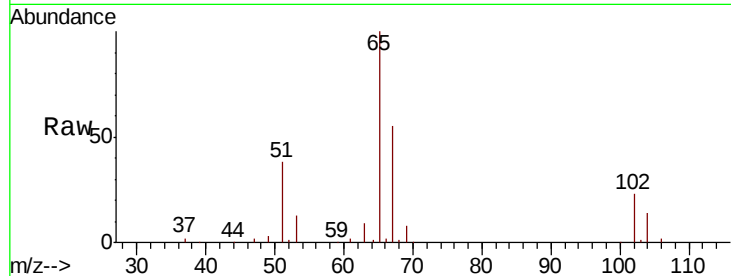
#33
 1,2-Dichloroethane-d4
 Concen: 51.658 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	85780		
67	55.7	0.0	111.0	

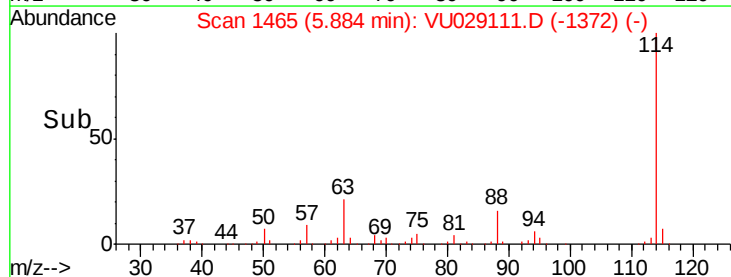
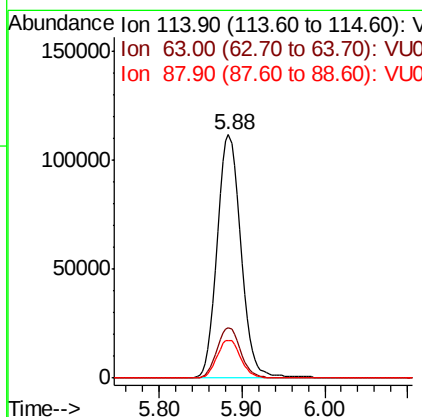
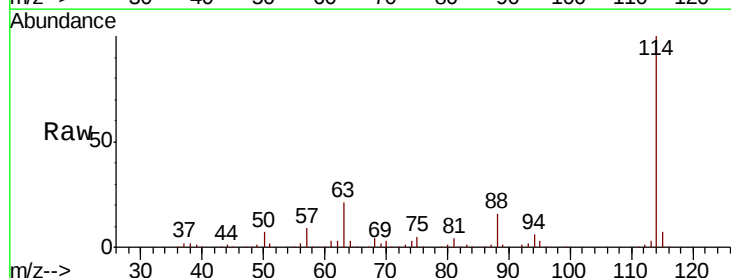
Manual Integrations
 APPROVED

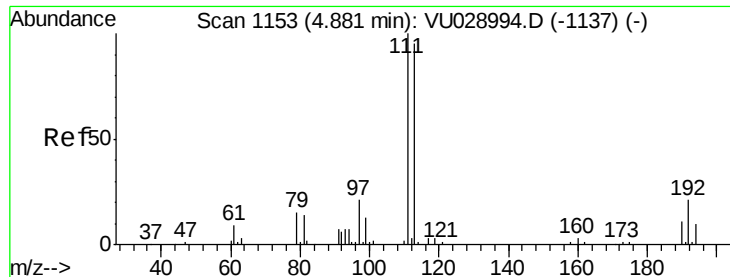
MMDadoda
 1/11/2019 10:03:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	222918		
63	20.9	0.0	40.2	
88	15.6	0.0	30.4	





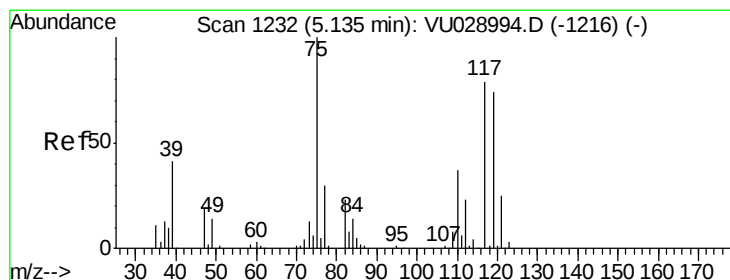
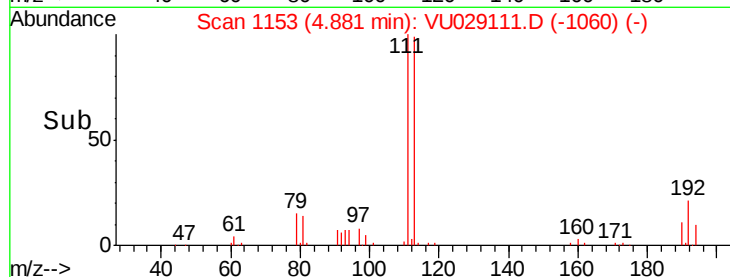
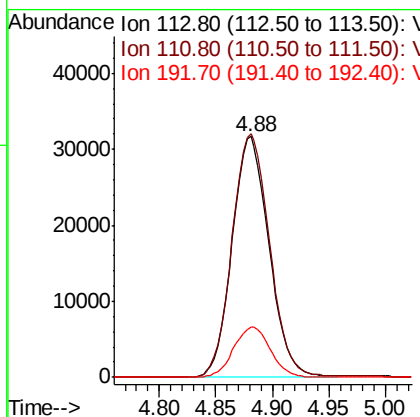
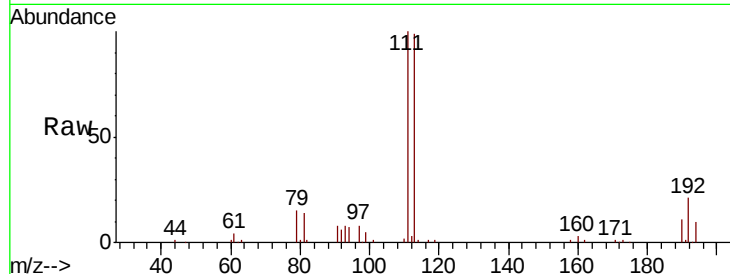
#35
 Dibromofluoromethane
 Concen: 49.969 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	72206		
111	102.4		81.4	122.2
192	20.9		16.8	25.2

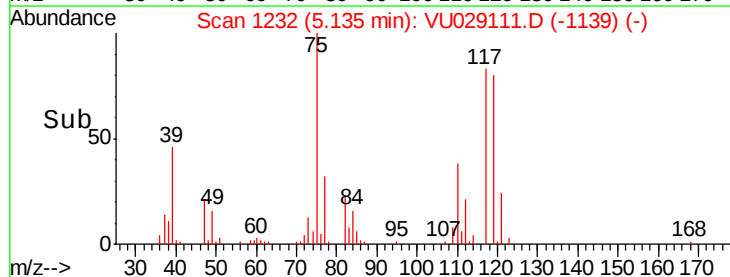
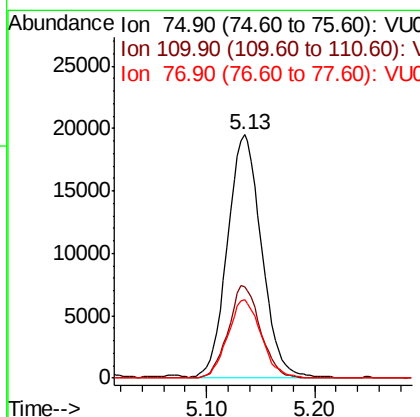
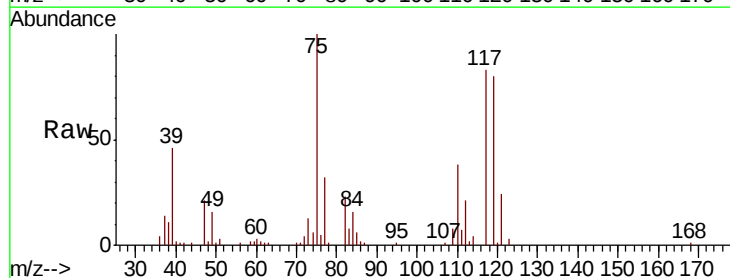
Manual Integrations
 APPROVED

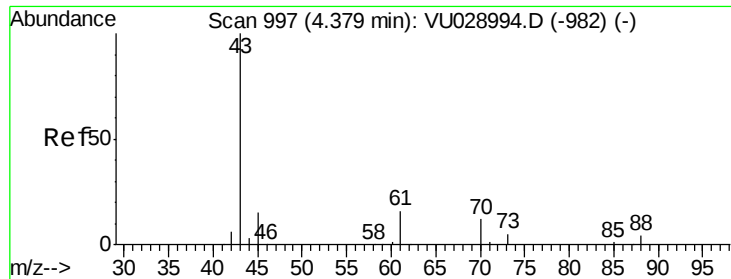
MMDadoda
 1/11/2019 10:03:31 AM



#36
 1,1-Dichloropropene
 Concen: 19.351 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43118		
110	35.6		18.4	55.4
77	31.4		25.1	37.7





#37

Ethyl Acetate

Concen: 20.046 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

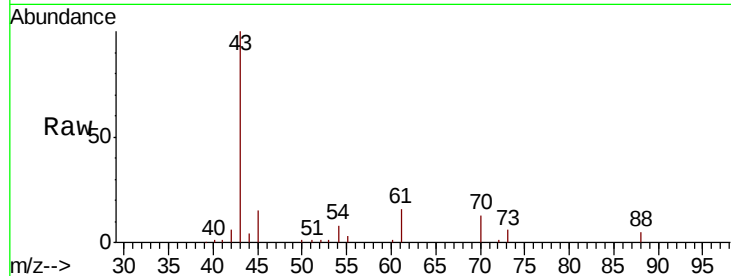
ClientSampleId :

VU0110MBS01

Tgt Ion:	43	Resp:	49029
Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.6	18.8
70	12.6	9.3	13.9

Manual Integrations
APPROVED

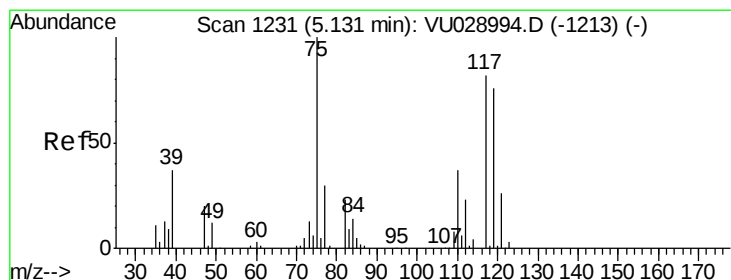
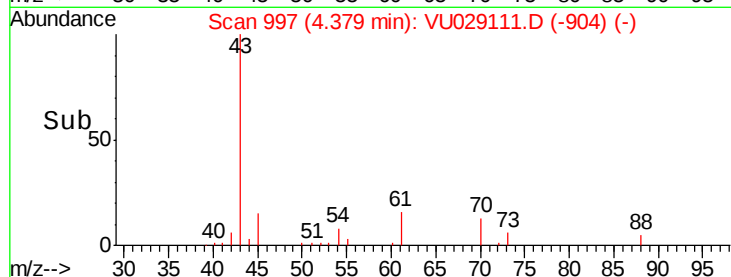
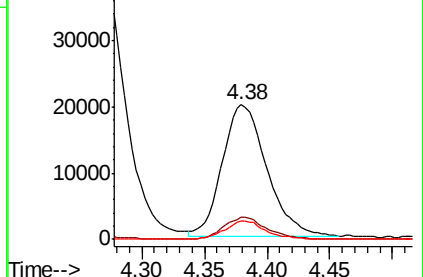
MMDadoda
1/11/2019 10:03:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028994.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028994.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 20.430 ug/l

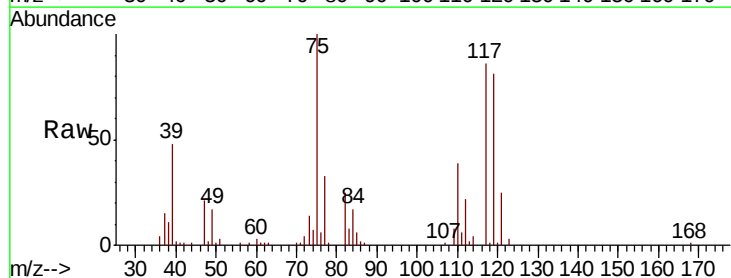
RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

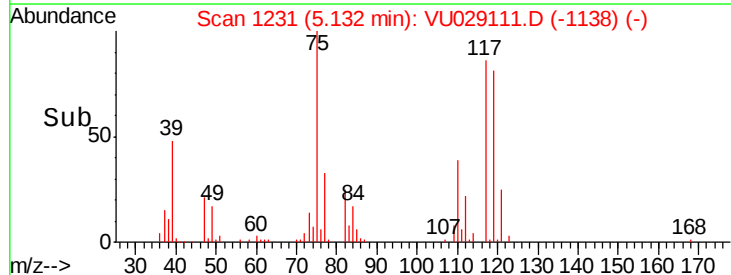
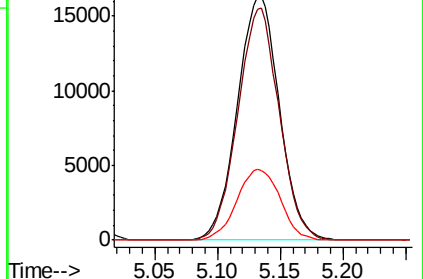
Tgt Ion:	117	Resp:	37968
Ion	Ratio	Lower	Upper
117	100		
119	95.0	74.6	111.8
121	29.1	25.0	37.6

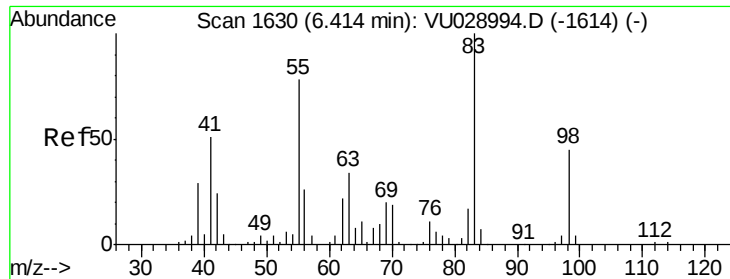


Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU028994.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU028994.D (-1213) (-)





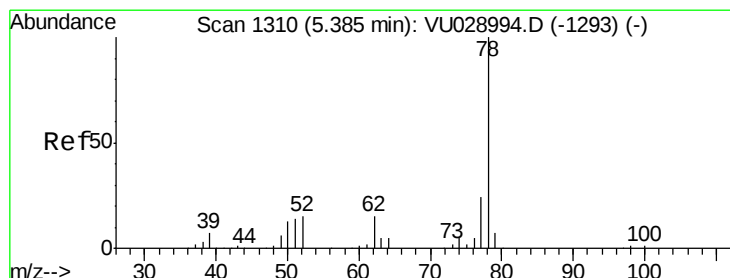
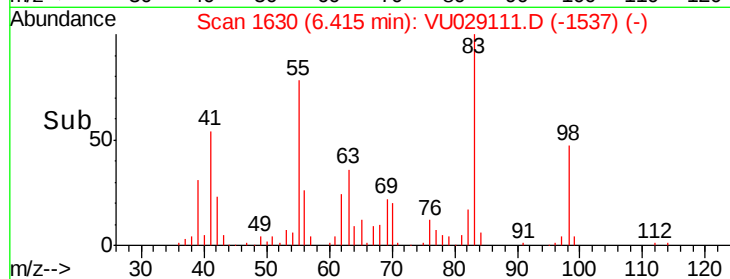
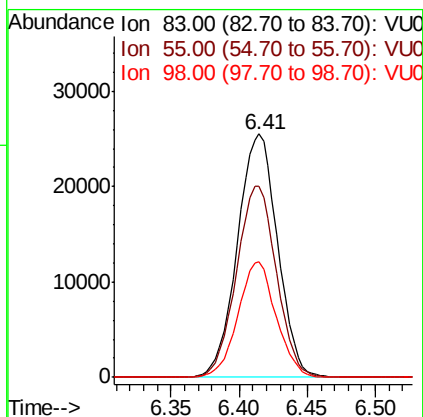
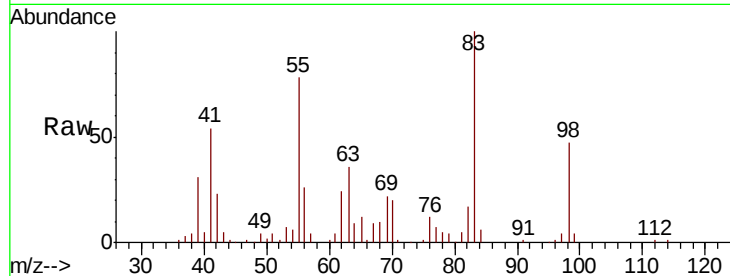
#39
Methylcyclohexane
Concen: 19.012 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.4	93.6
98	47.4	36.2	54.2

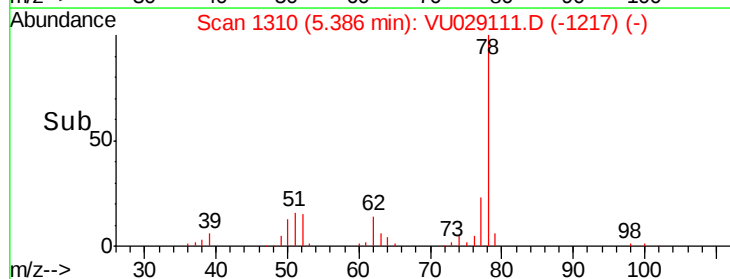
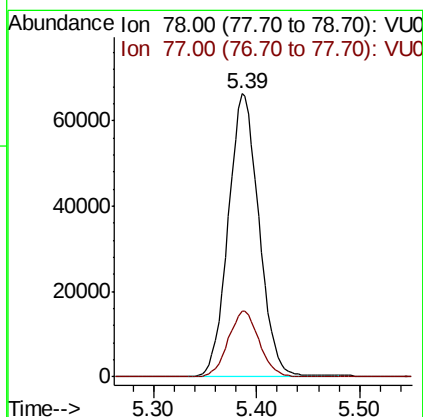
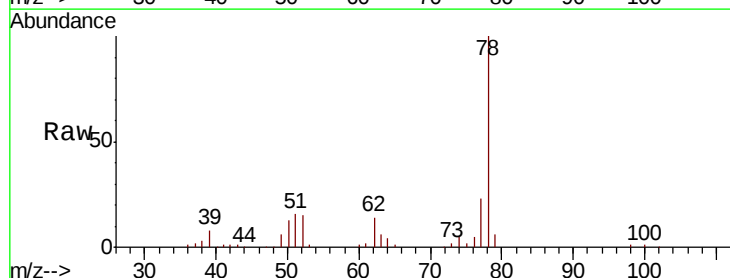
Manual Integrations
APPROVED

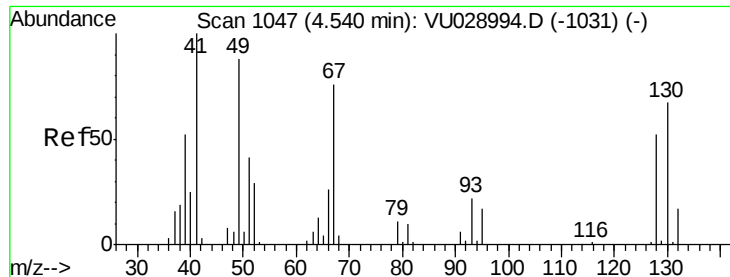
MMDadoda
1/11/2019 10:03:31 AM



#40
Benzene
Concen: 19.891 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





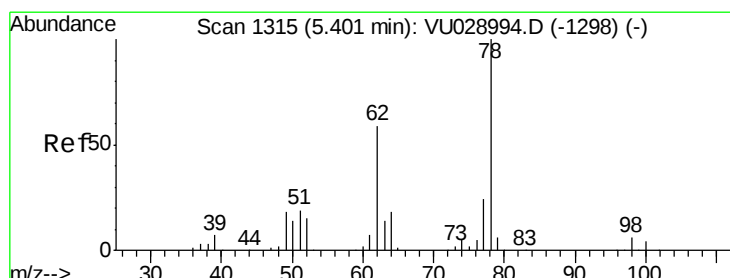
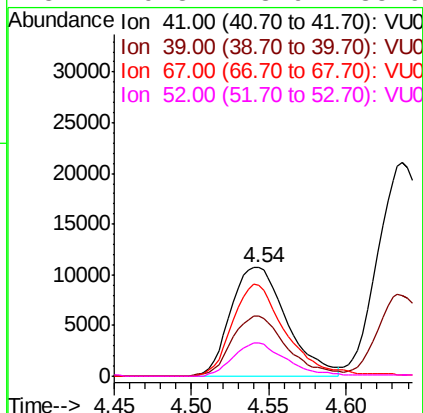
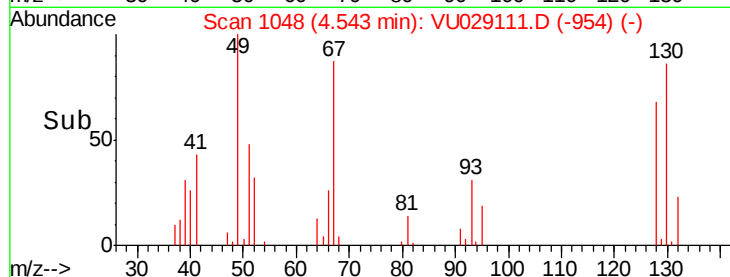
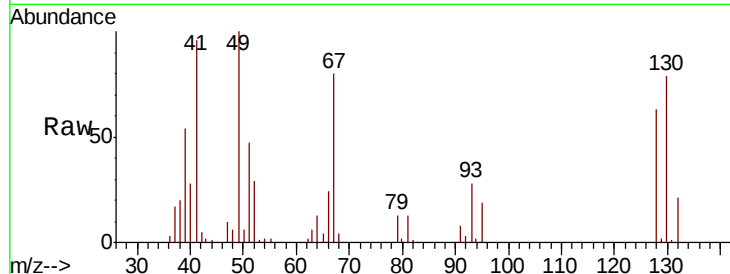
#41
Methacrylonitrile
Concen: 20.597 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.5	42.3	63.5
67	80.7	64.4	96.6
52	29.8	23.9	35.9

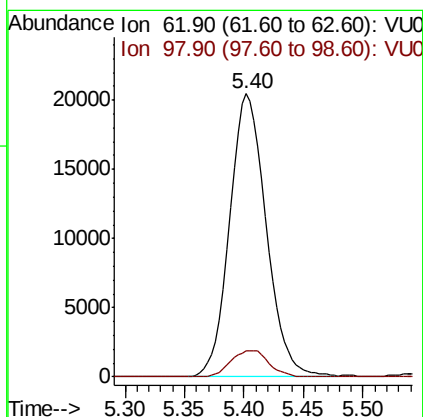
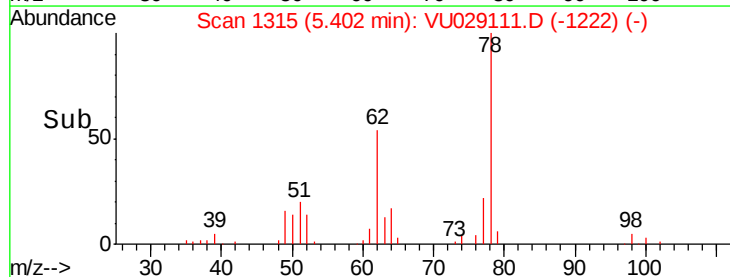
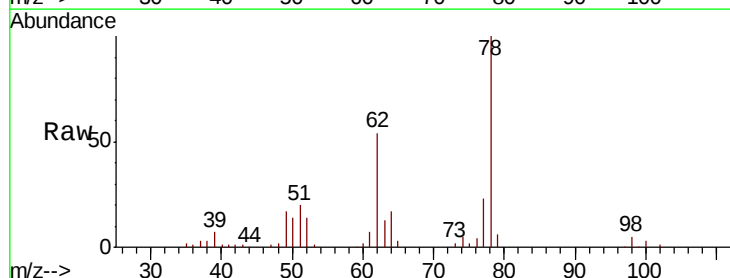
Manual Integrations
APPROVED

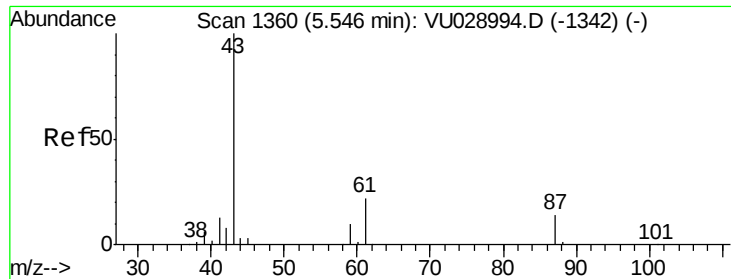
MMDadoda
1/11/2019 10:03:31 AM



#42
1,2-Dichloroethane
Concen: 20.900 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.488 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

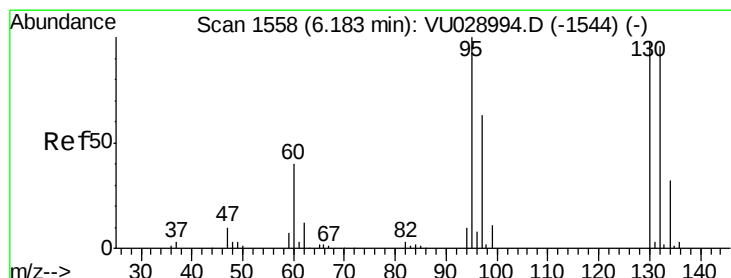
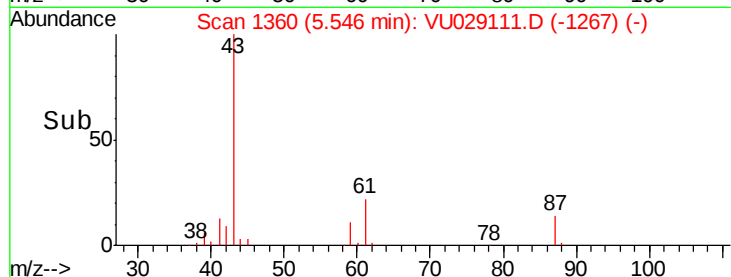
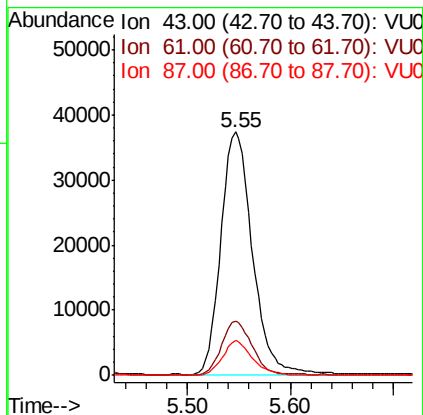
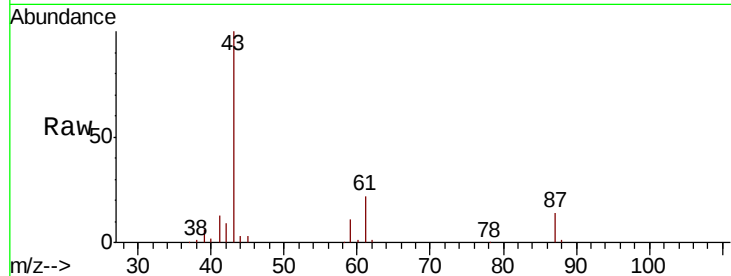
ClientSampleId :

VU0110MBS01

Tgt Ion:	43	Resp:	80618
Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.8	26.6
87	13.2	11.3	16.9

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#44

Trichloroethene

Concen: 19.071 ug/l

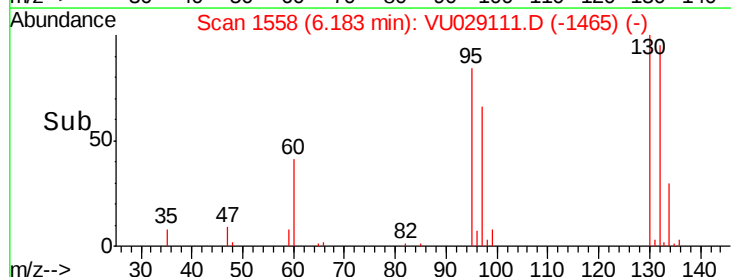
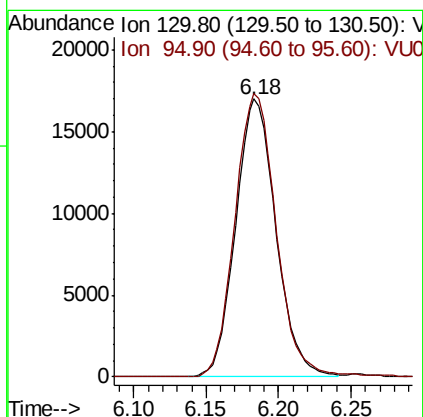
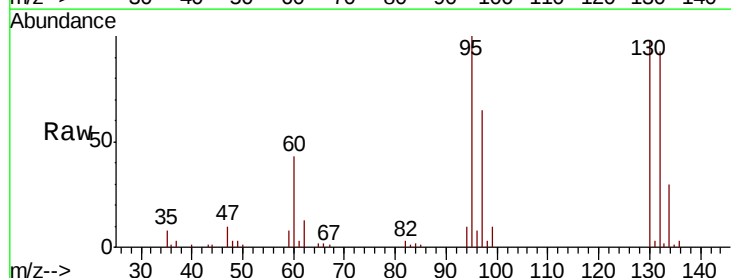
RT: 6.18 min Scan# 1558

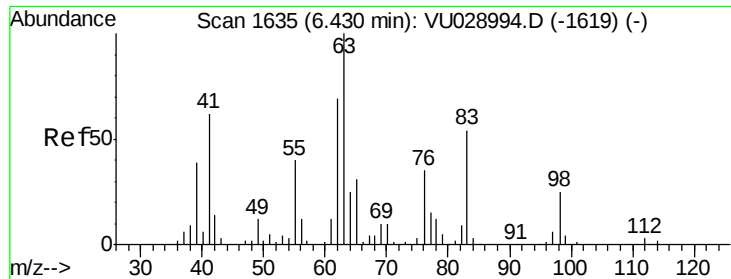
Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Tgt Ion:	130	Resp:	32841
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	205.0





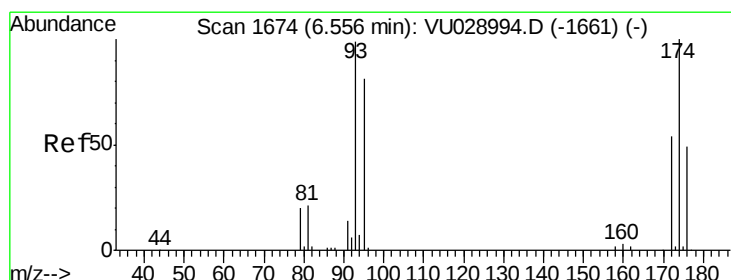
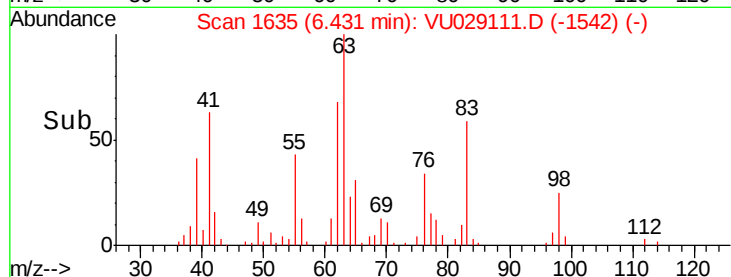
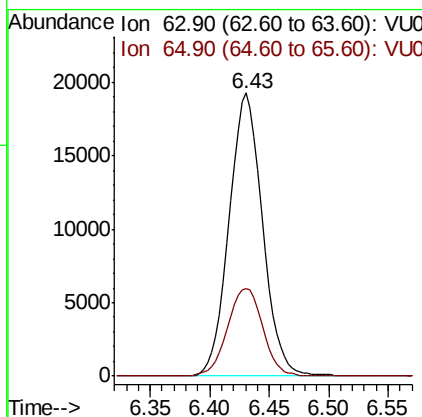
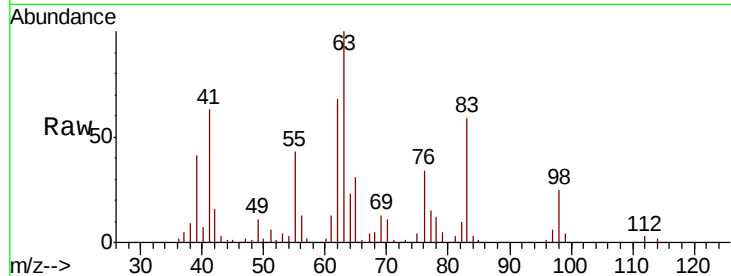
#45
1,2-Dichloropropane
Concen: 20.479 ug/l
RT: 6.43 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion: 63 Resp: 37587
Ion Ratio Lower Upper
63 100
65 31.0 25.1 37.7

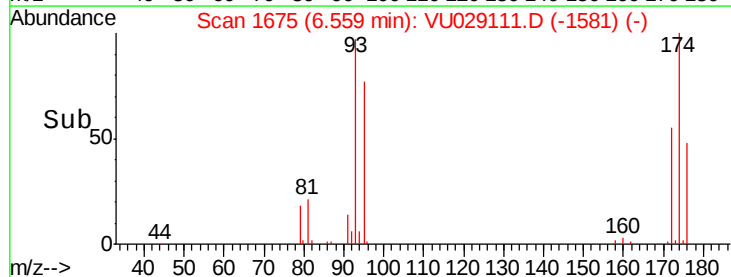
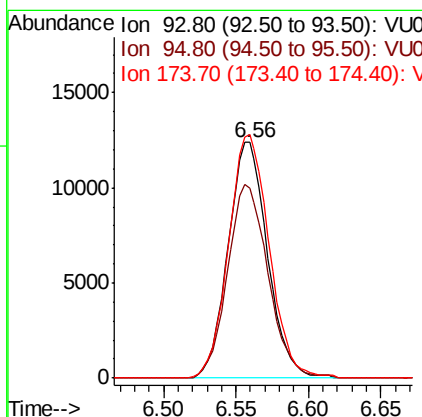
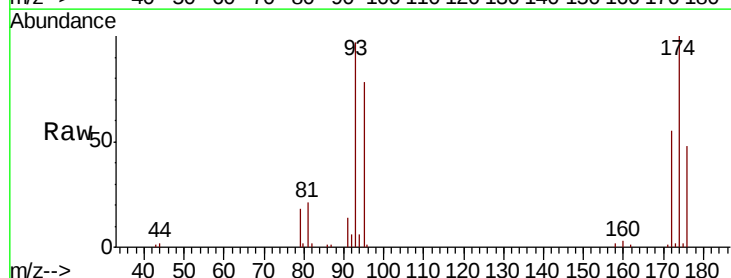
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#46
Dibromomethane
Concen: 19.930 ug/l
RT: 6.56 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 93 Resp: 23384
Ion Ratio Lower Upper
93 100
95 84.6 67.2 100.8
174 106.4 82.6 123.8





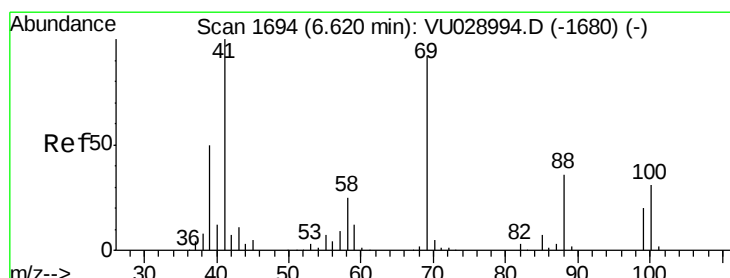
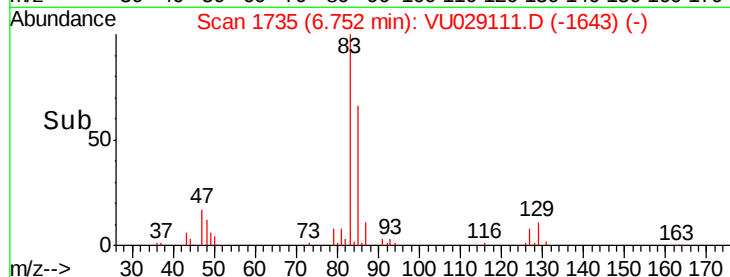
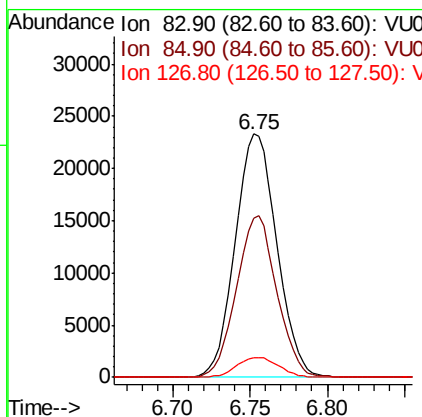
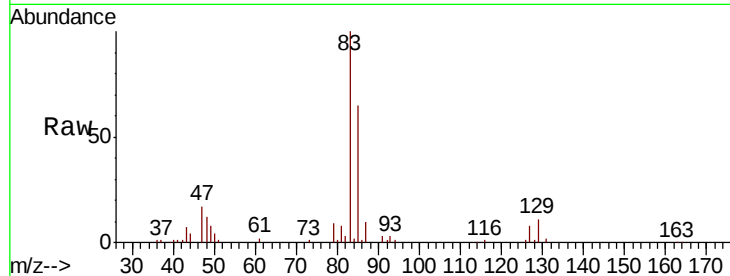
#47
Bromodichloromethane
Concen: 20.154 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2
127	8.2	7.0	10.4

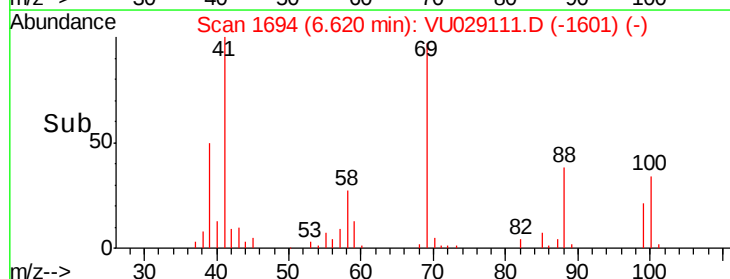
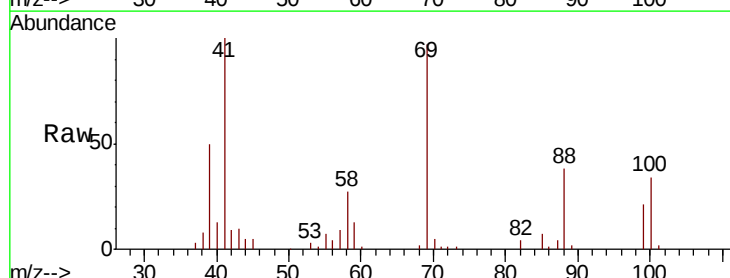
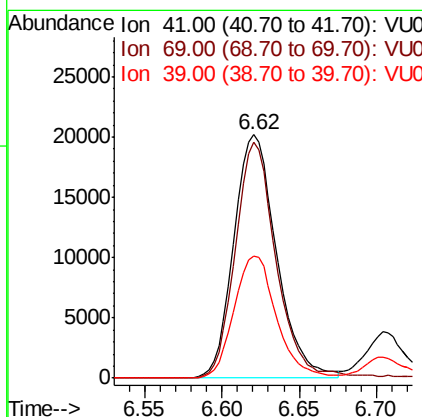
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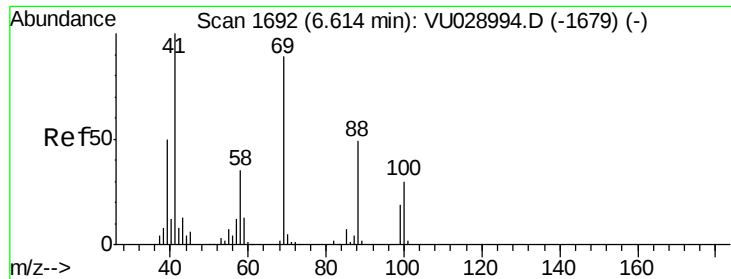
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#48
Methyl methacrylate
Concen: 21.250 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.2	73.6	110.4
39	49.7	39.6	59.4





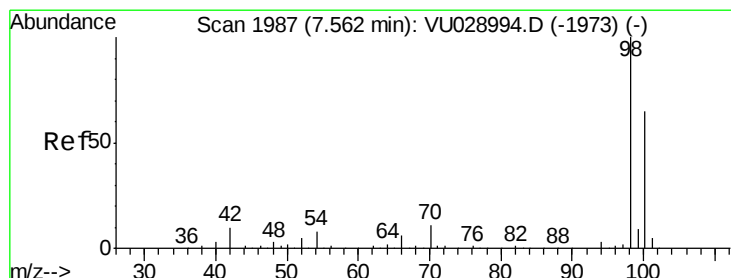
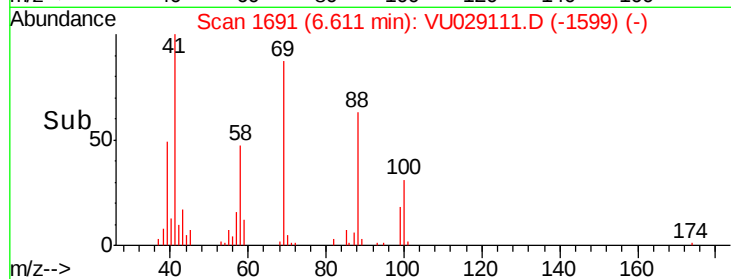
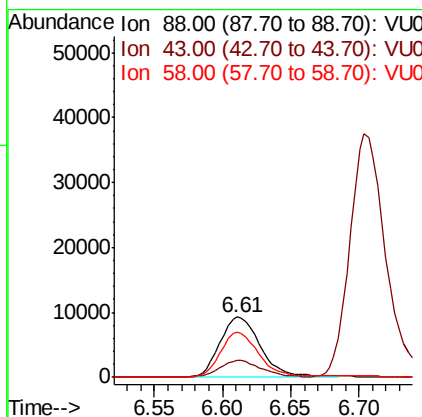
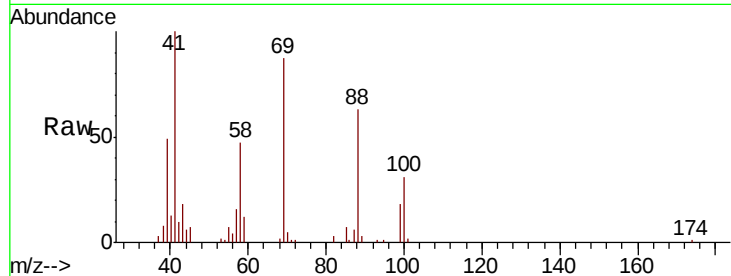
#49
1,4-Dioxane
Concen: 443.000 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.6	23.0	34.4
58	71.1	57.9	86.9

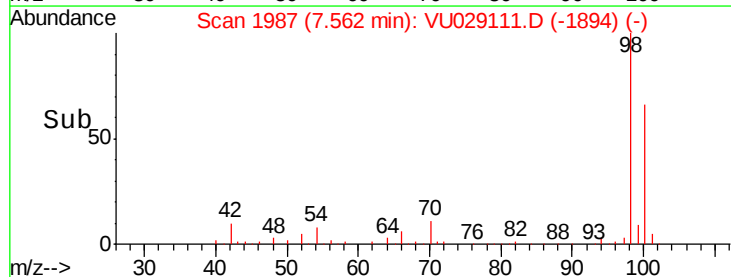
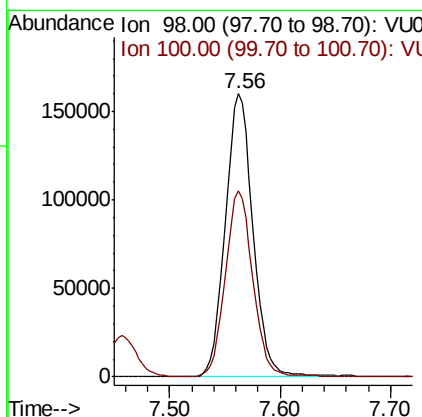
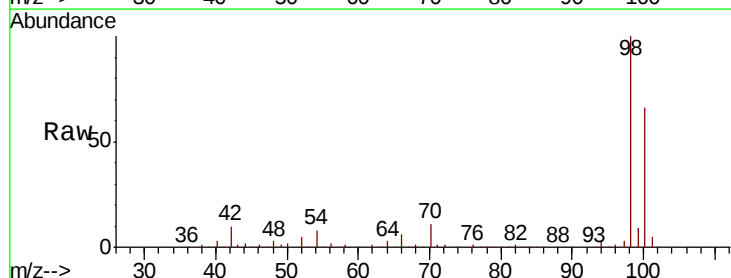
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#50
Toluene-d8
Concen: 48.859 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 105.195 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 43 Resp: 268596

Ion Ratio Lower Upper

43 100

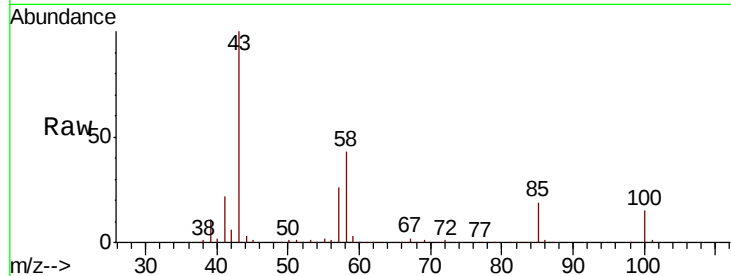
58 43.3 33.9 50.9

Manual Integrations

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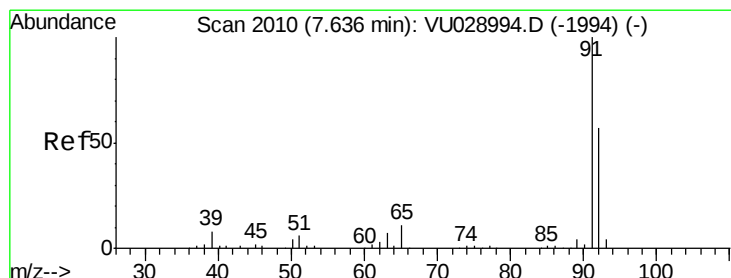
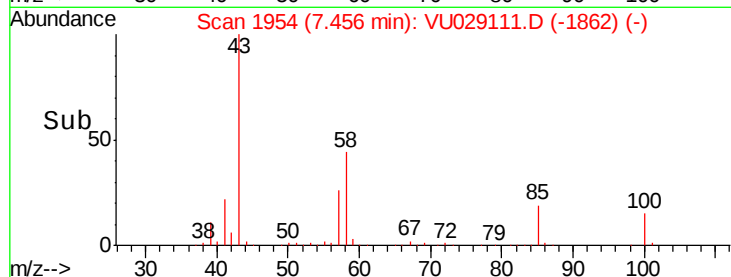
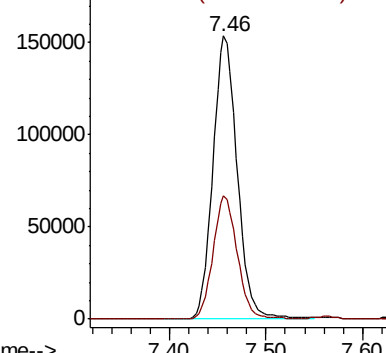
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.680 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029111.D

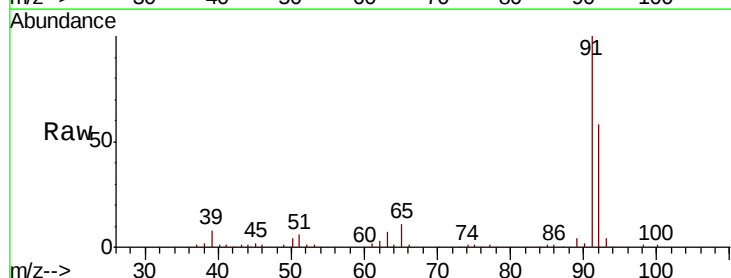
Acq: 10 Jan 2019 12:15

Tgt Ion: 92 Resp: 83270

Ion Ratio Lower Upper

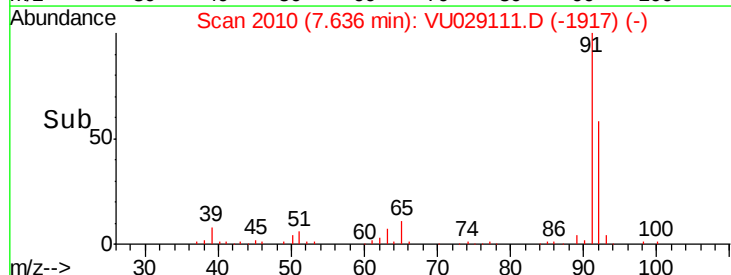
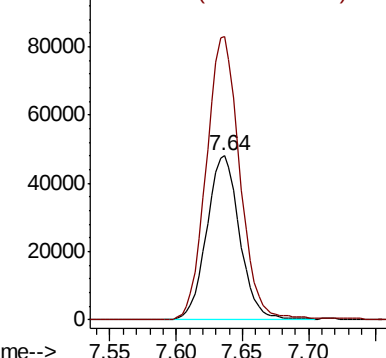
92 100

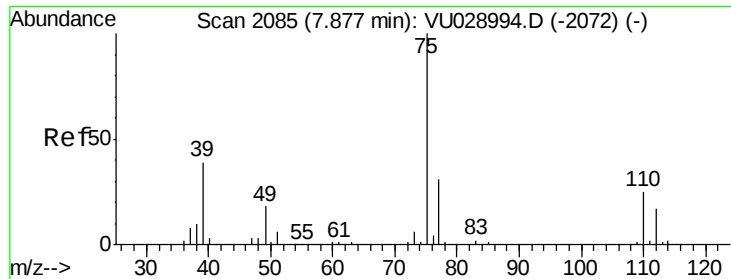
91 175.0 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





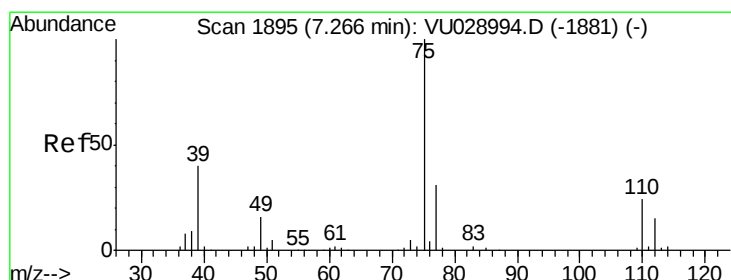
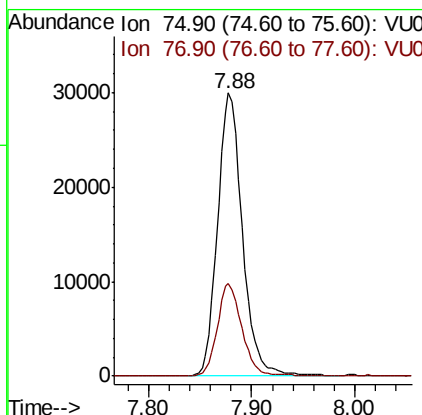
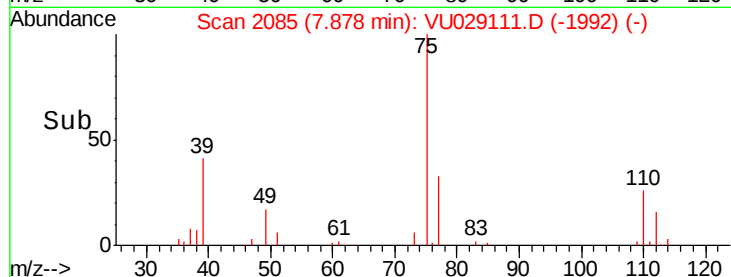
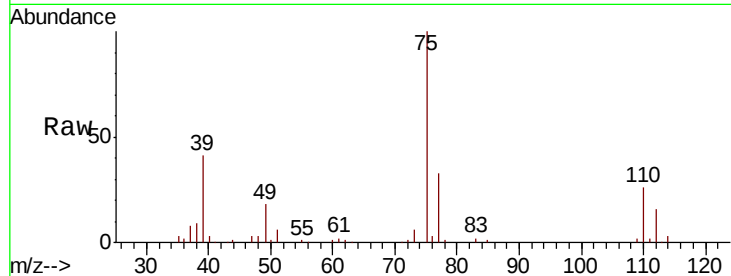
#53
t-1,3-Dichloropropene
Concen: 19.347 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion: 75 Resp: 50207
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.4

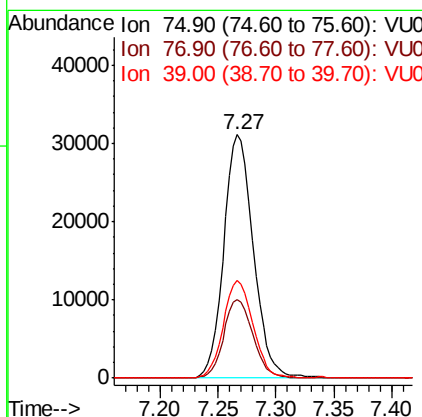
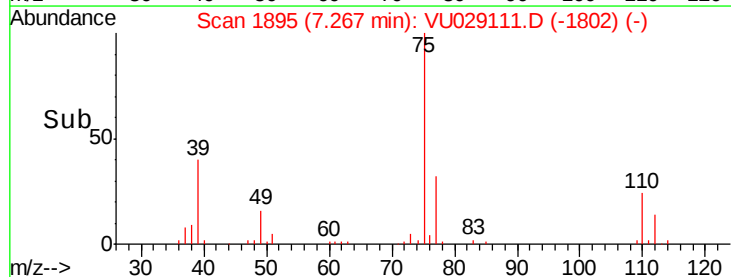
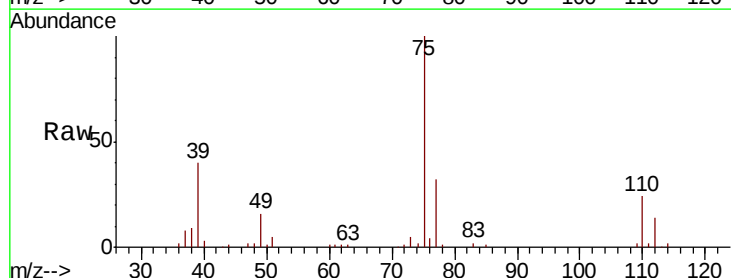
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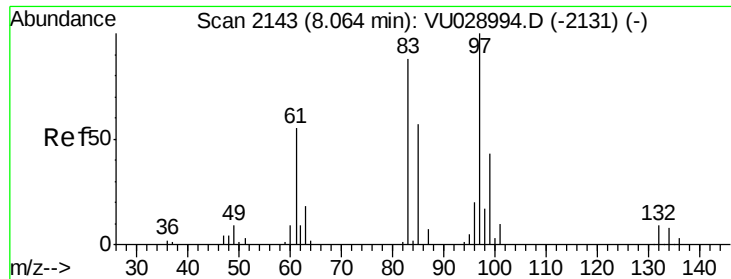
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#54
cis-1,3-Dichloropropene
Concen: 19.693 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 75 Resp: 55221
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6
39 39.9 32.2 48.4





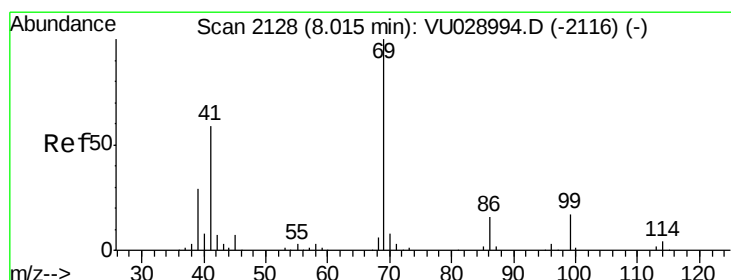
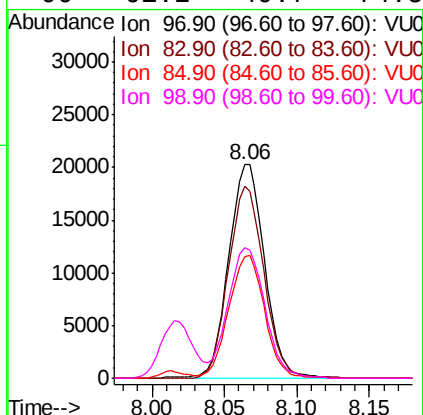
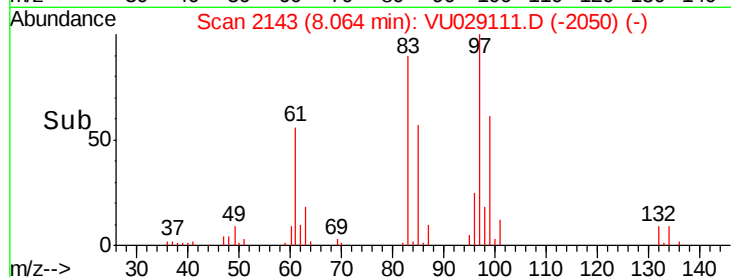
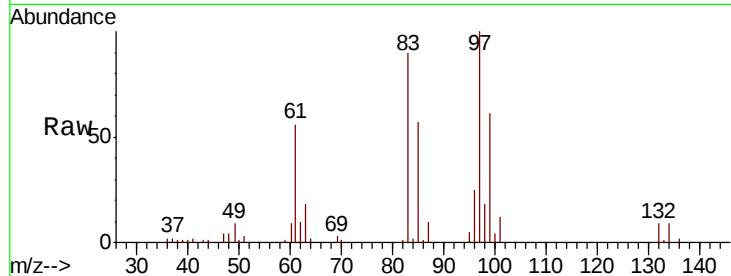
#55
1,1,2-Trichloroethane
Concen: 20.483 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	69.8	104.8
85	57.1	47.3	70.9
99	61.2	49.7	74.5

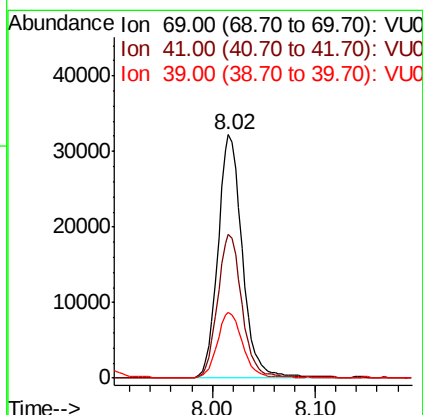
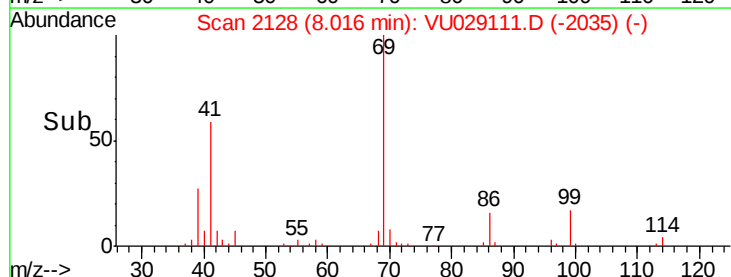
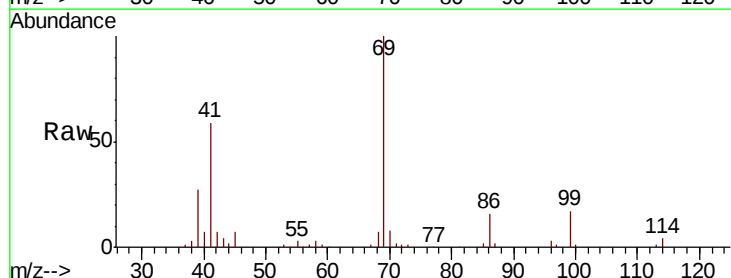
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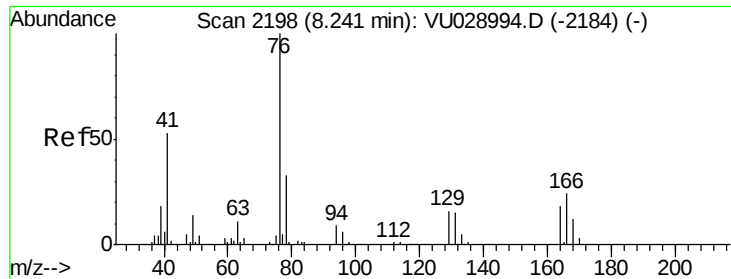
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#56
Ethyl methacrylate
Concen: 20.274 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.7	47.5	71.3
39	28.1	22.5	33.7





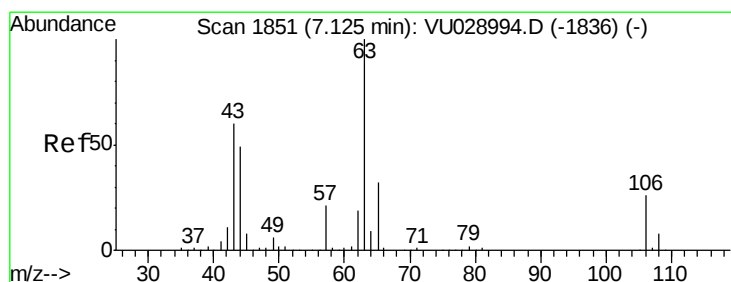
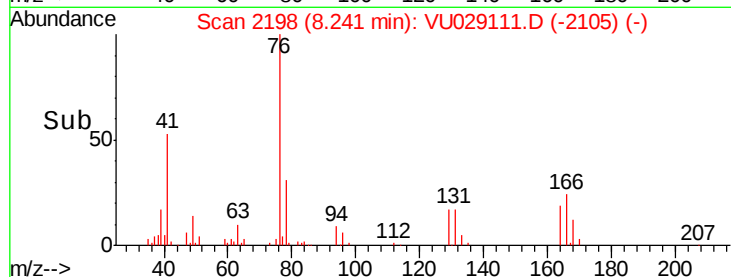
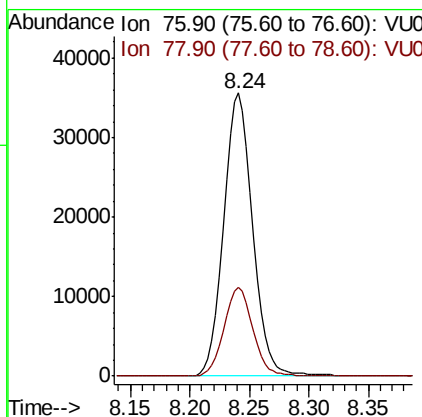
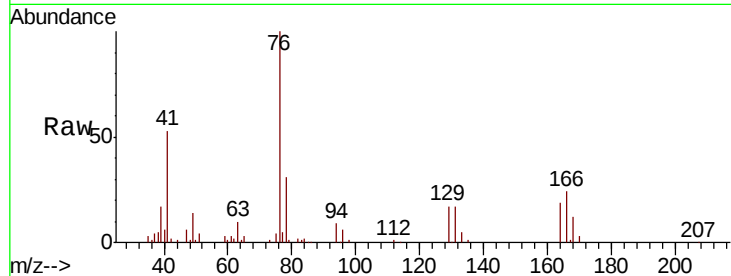
#57
 1,3-Dichloropropane
 Concen: 20.681 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion: 76 Resp: 59985
 Ion Ratio Lower Upper
 76 100
 78 31.1 26.0 39.0

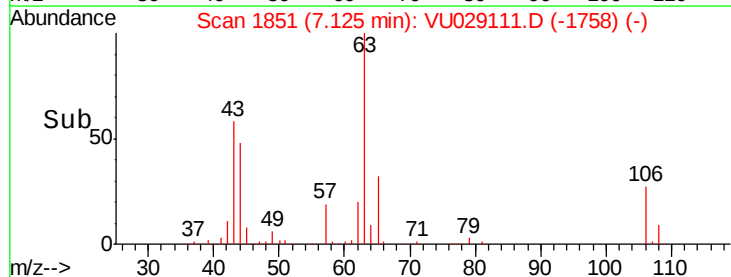
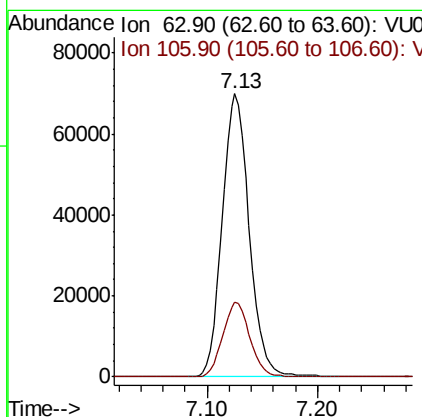
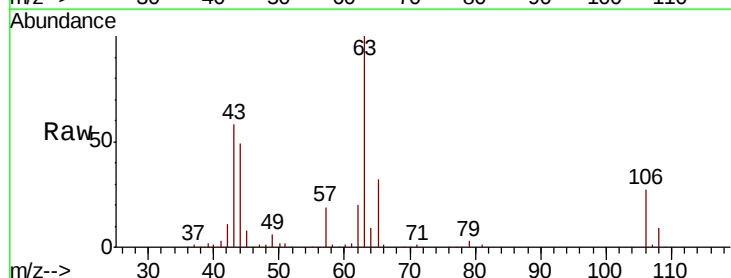
Manual Integrations
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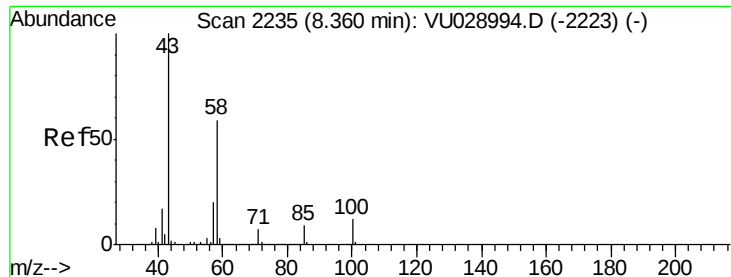
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.347 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion: 63 Resp: 118689
 Ion Ratio Lower Upper
 63 100
 106 26.5 20.6 31.0





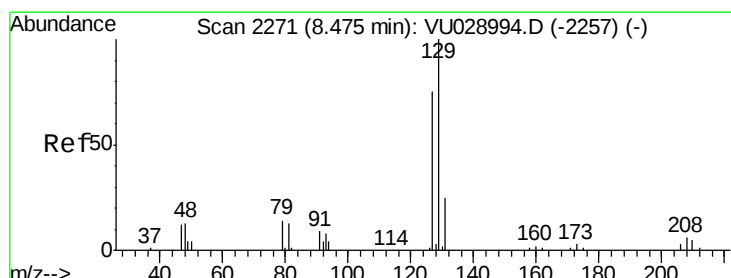
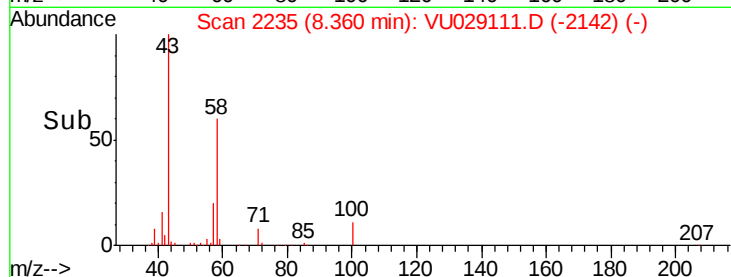
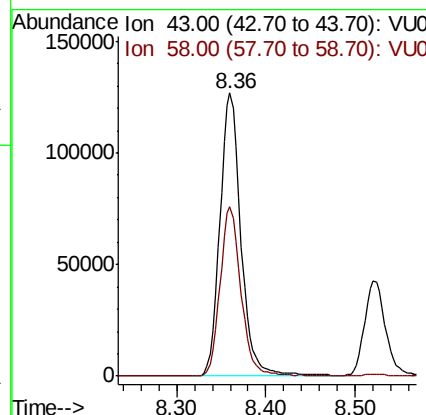
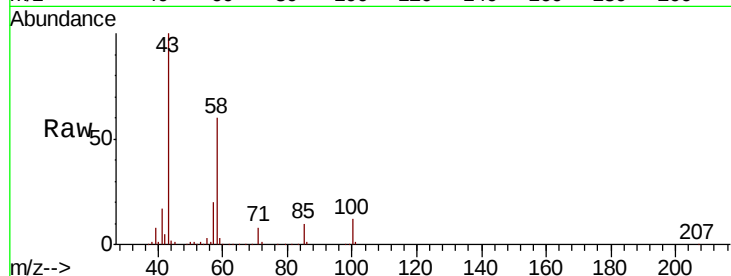
#59
2-Hexanone
Concen: 103.137 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion: 43 Resp: 206714
Ion Ratio Lower Upper
43 100
58 59.2 29.8 89.4

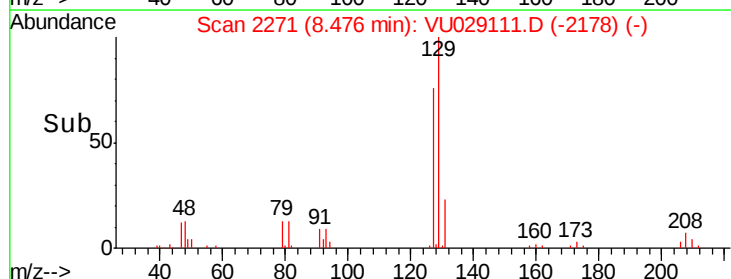
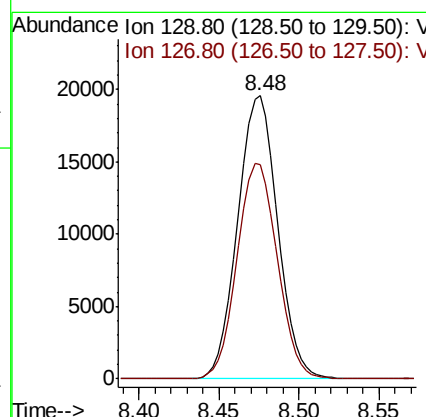
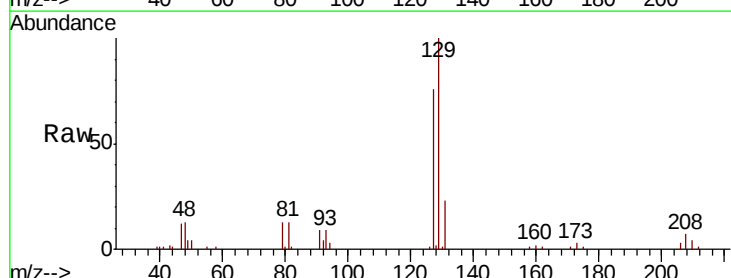
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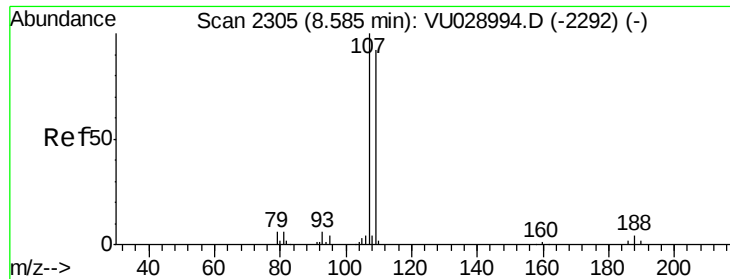
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#60
Dibromochloromethane
Concen: 19.872 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 129 Resp: 33371
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.0





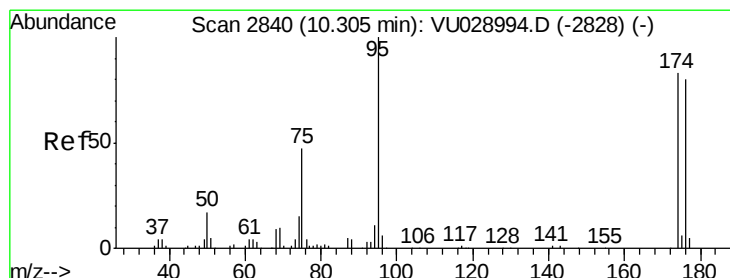
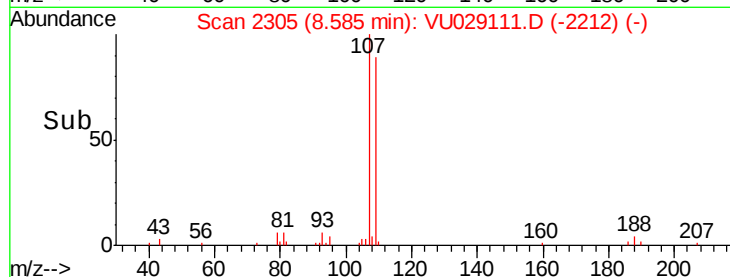
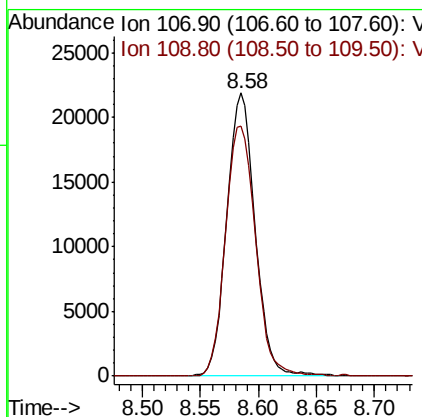
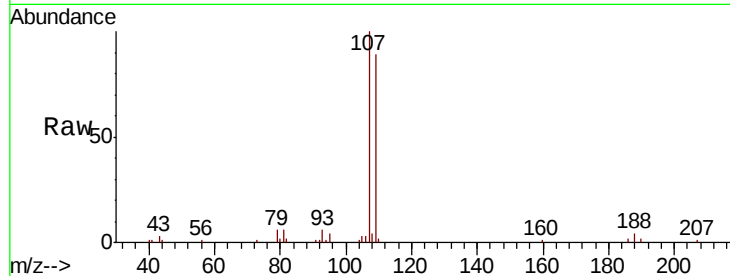
#61
 1,2-Dibromoethane
 Concen: 20.066 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.5	113.3

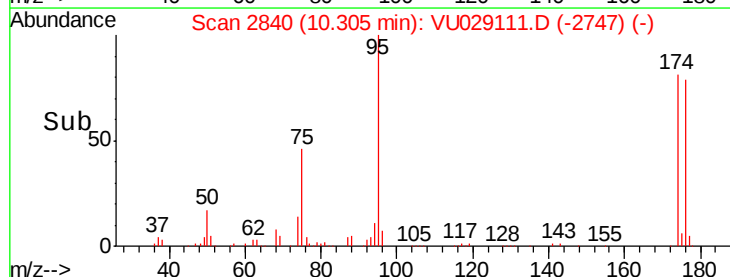
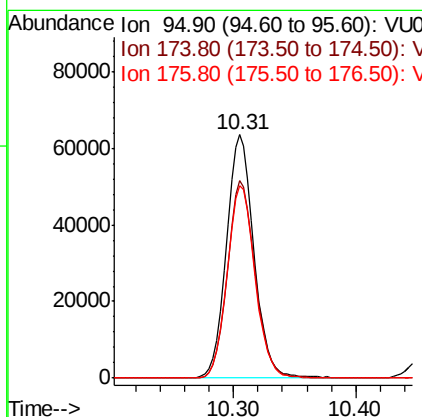
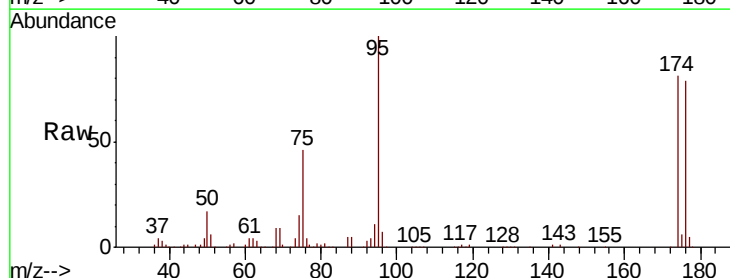
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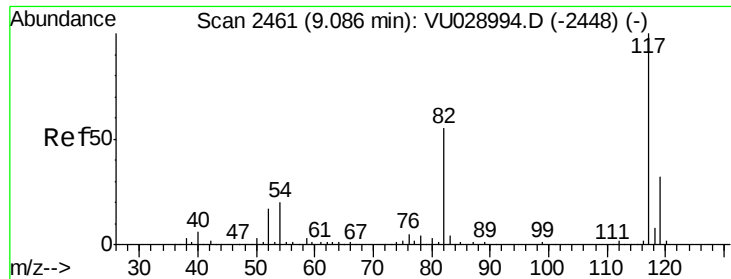
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#62
 4-Bromofluorobenzene
 Concen: 48.634 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	170.6
176	80.6	0.0	165.0





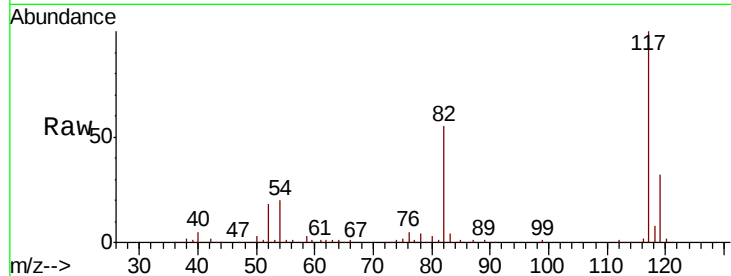
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	205429		
82	55.4	43.9	65.9	
119	32.3	26.0	39.0	

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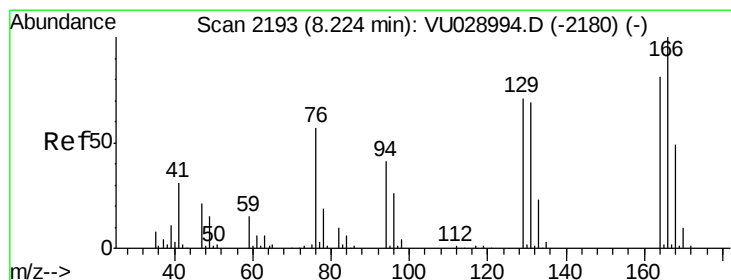
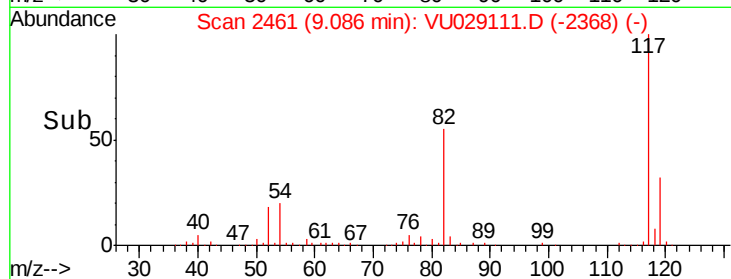
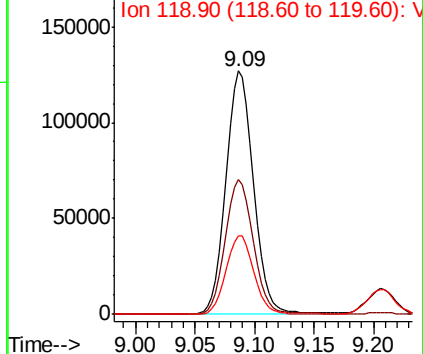


Abundance

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: 19.809 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29313		
166	132.9	99.4	149.0	
129	100.5	70.5	105.7	
131	94.5	69.0	103.6	

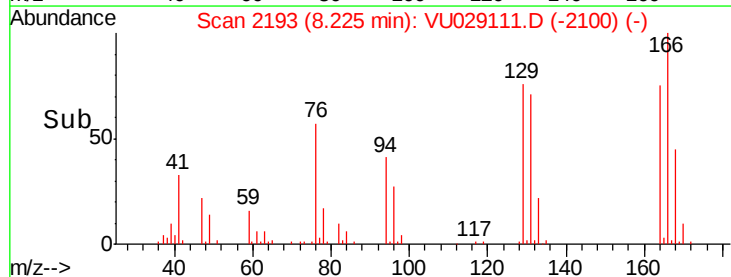
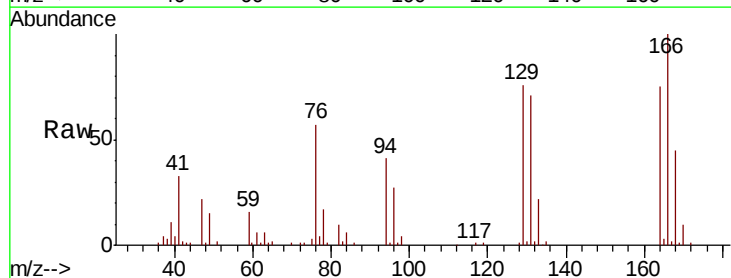
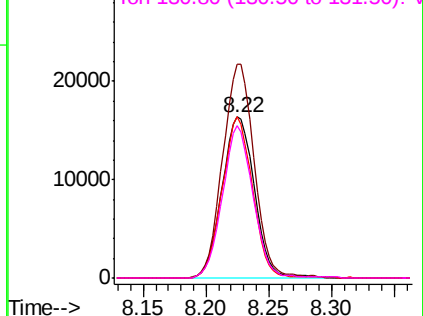
Abundance

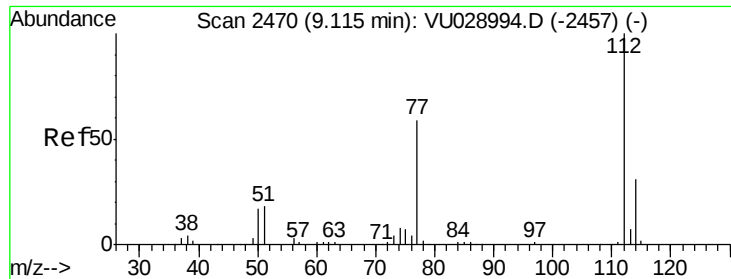
Ion 163.80 (163.50 to 164.50): V

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





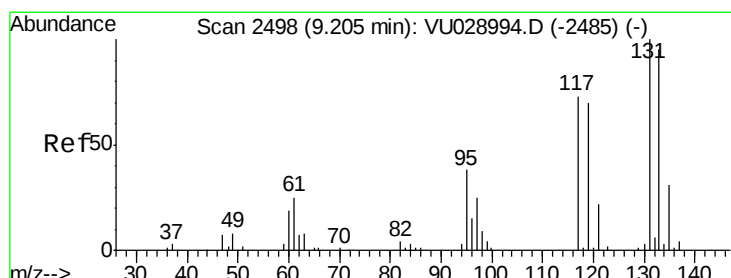
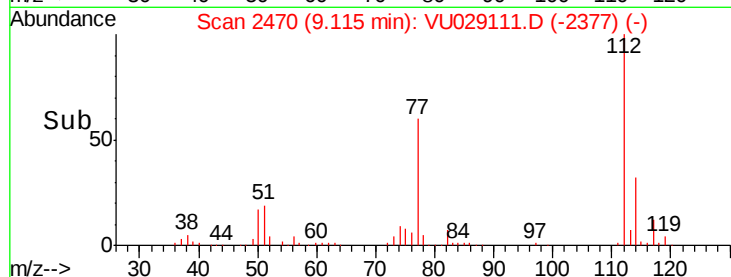
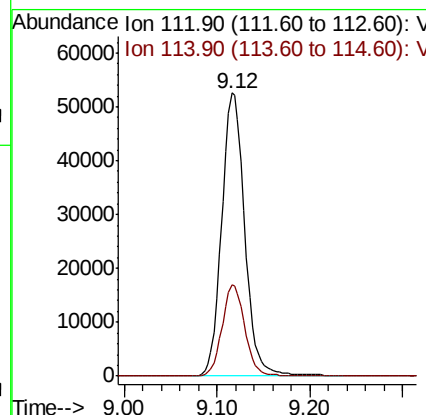
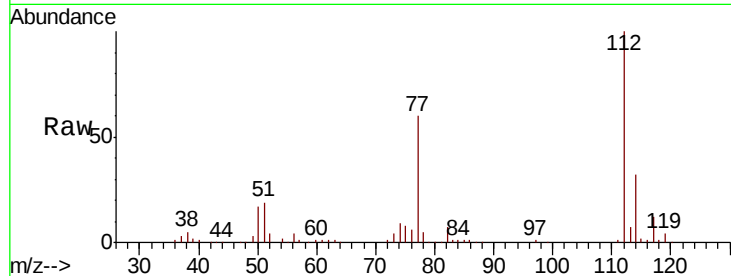
#65
Chlorobenzene
Concen: 19.691 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion:112 Resp: 90672
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6

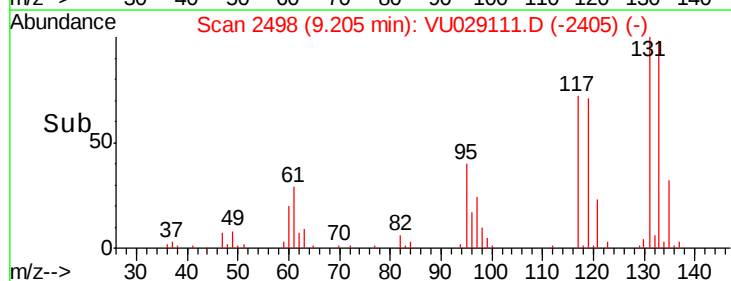
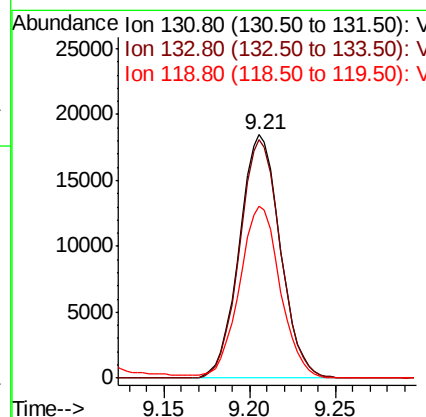
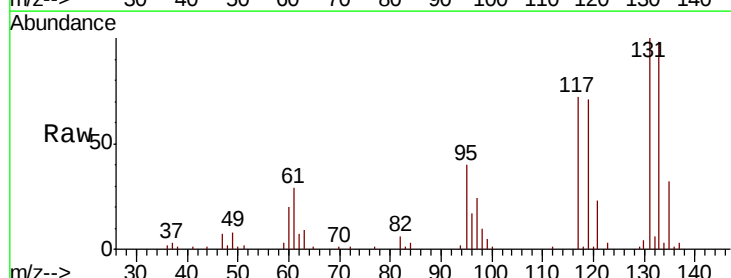
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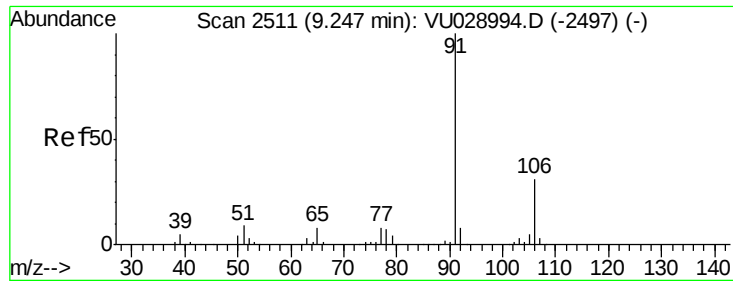
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.460 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion:131 Resp: 30575
Ion Ratio Lower Upper
131 100
133 97.7 48.2 144.6
119 70.3 35.4 106.3





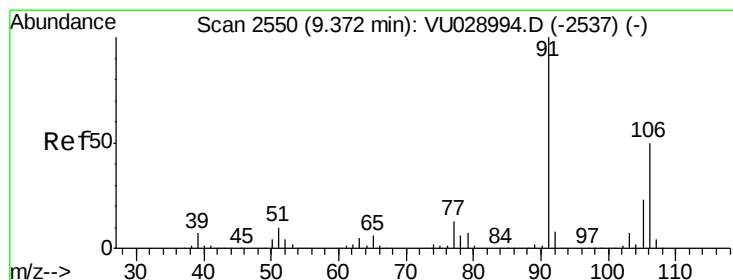
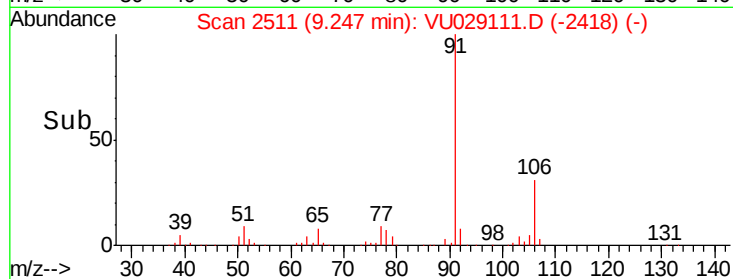
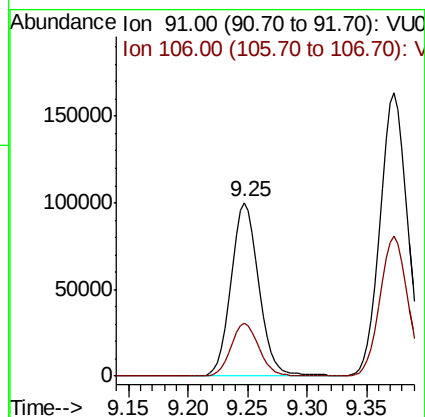
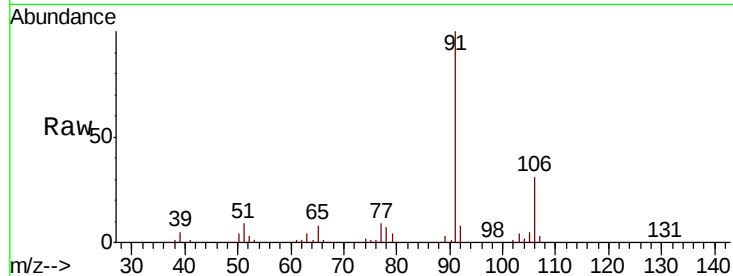
#67
Ethyl Benzene
Concen: 21.171 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion: 91 Resp: 162758
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4

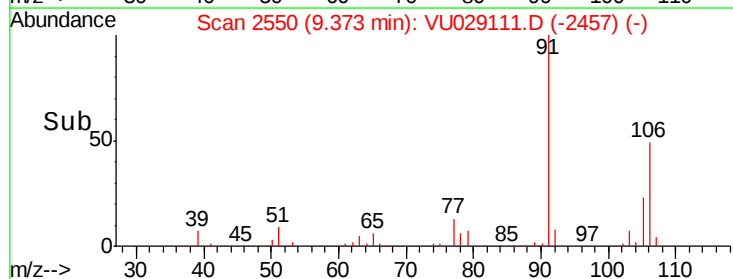
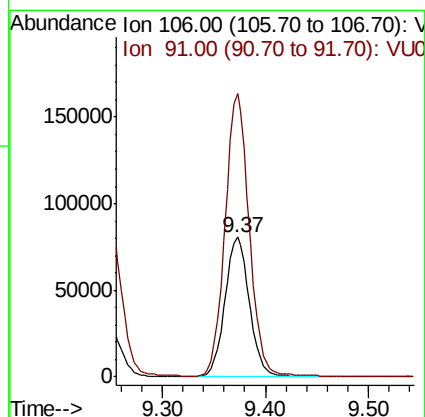
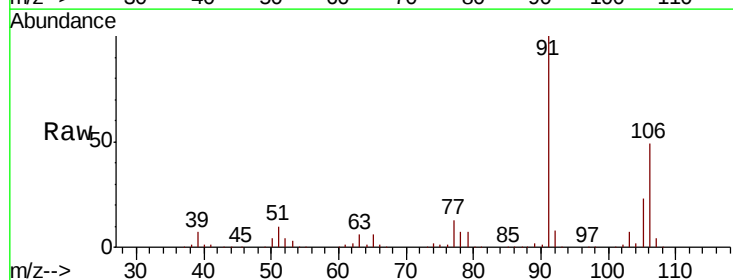
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#68
m/p-Xylenes
Concen: 44.704 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 106 Resp: 133536
Ion Ratio Lower Upper
106 100
91 198.9 161.7 242.5





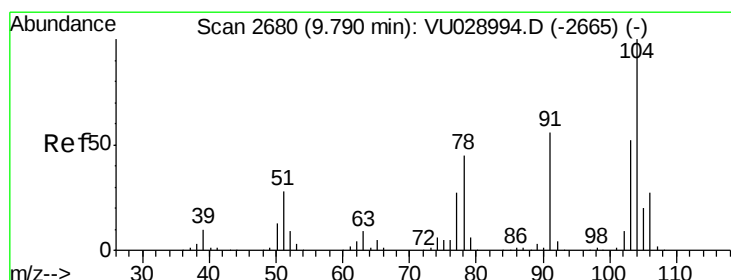
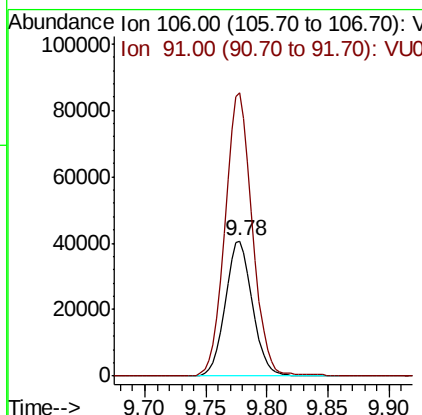
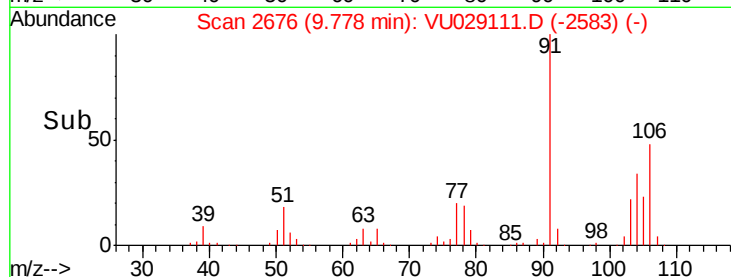
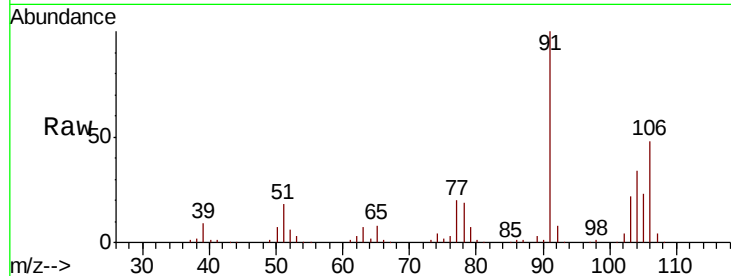
#69
o-Xylene
Concen: 22.151 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion:106 Resp: 63756
Ion Ratio Lower Upper
106 100
91 209.5 106.1 318.3

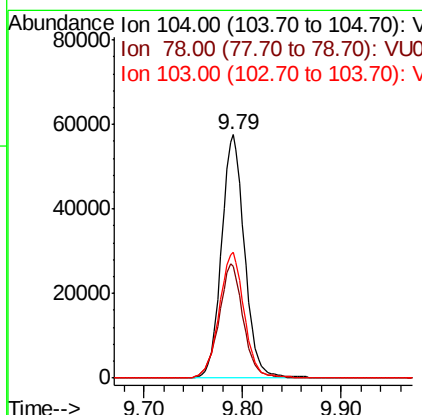
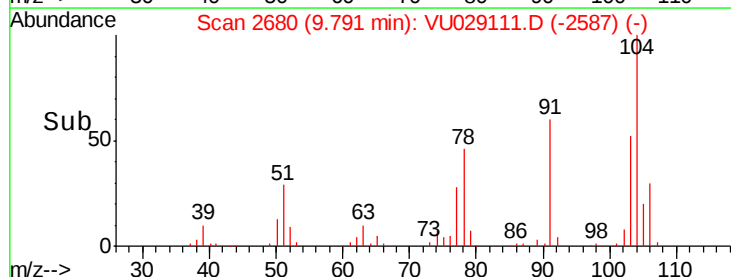
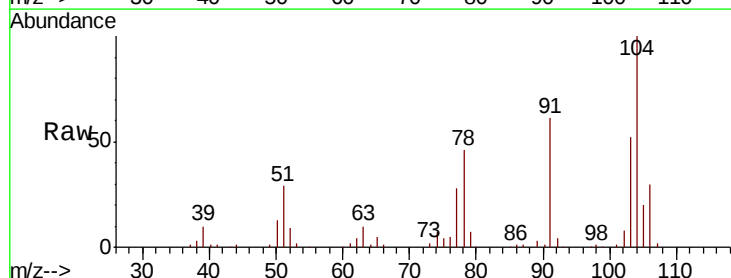
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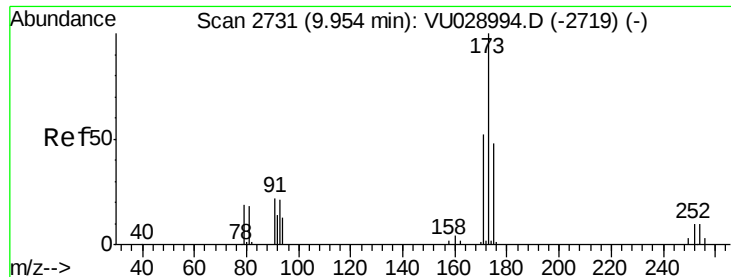
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#70
Styrene
Concen: 20.125 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion:104 Resp: 94956
Ion Ratio Lower Upper
104 100
78 49.2 38.6 58.0
103 55.9 44.5 66.7





#71

Bromoform

Concen: 19.191 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

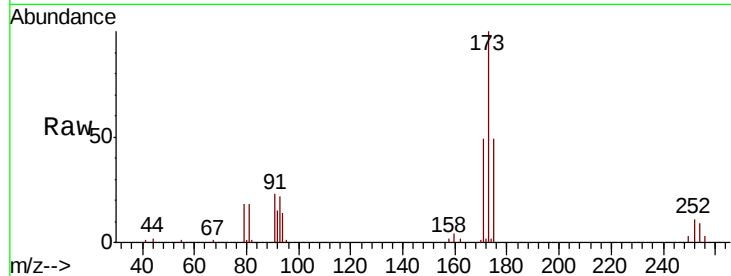
ClientSampleId :

VU0110MBS01

Tgt Ion:	173	Resp:	25535
Ion Ratio	Lower	Upper	
173	100		
175	49.4	23.8	71.2
254	0.0	0.0	0.0

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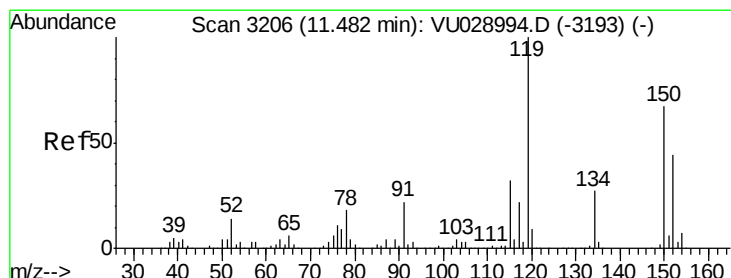
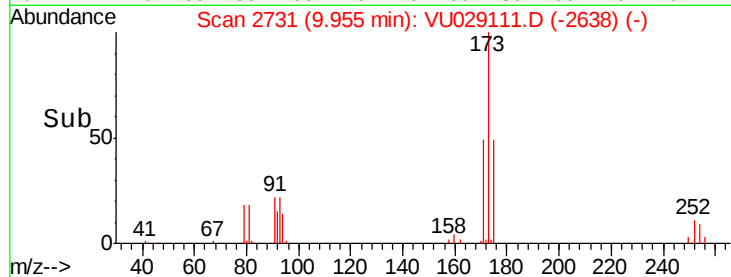
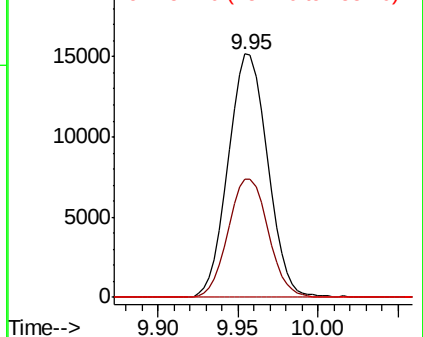


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

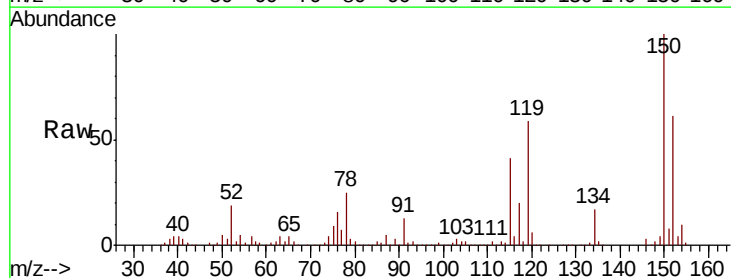
RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Tgt Ion:	152	Resp:	97769
Ion Ratio	Lower	Upper	
152	100		
115	68.4	40.1	120.3
150	167.6	0.0	345.2

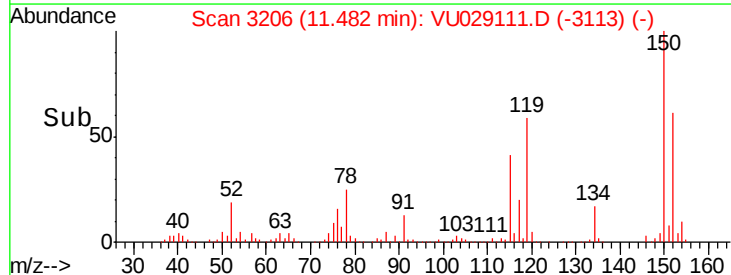
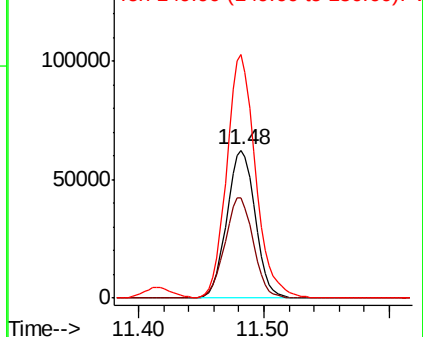


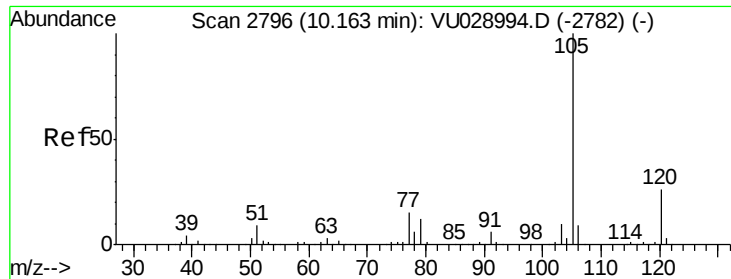
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.138 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 105 Resp: 152967

Ion Ratio Lower Upper

105 100

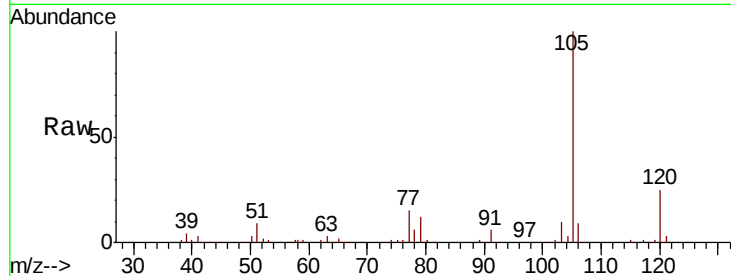
120 26.0 13.2 39.5

Manual Integrations

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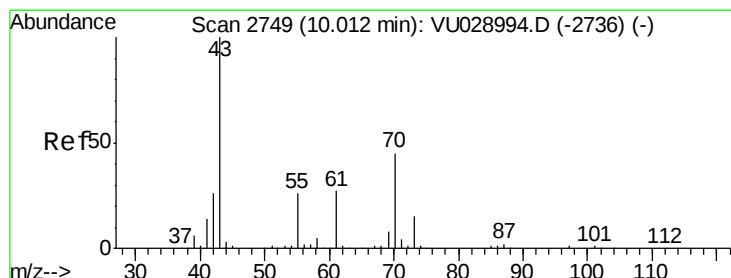
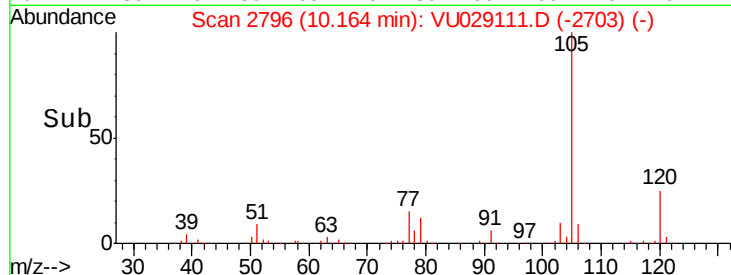
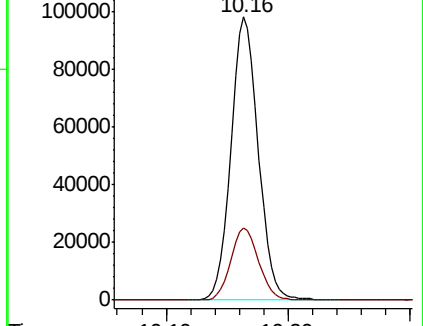
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.463 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Tgt Ion: 43 Resp: 66928

Ion Ratio Lower Upper

43 100

70 45.0 36.3 54.5

55 25.8 20.5 30.7

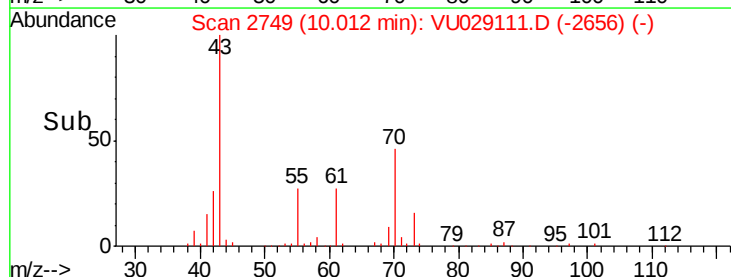
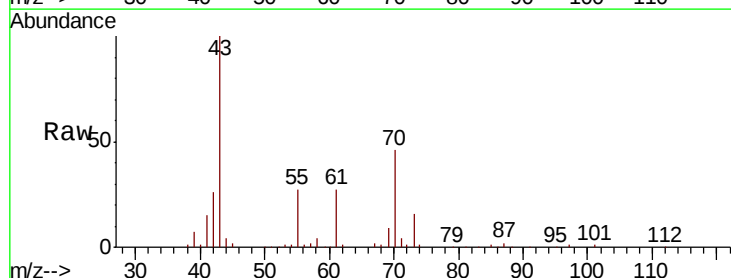
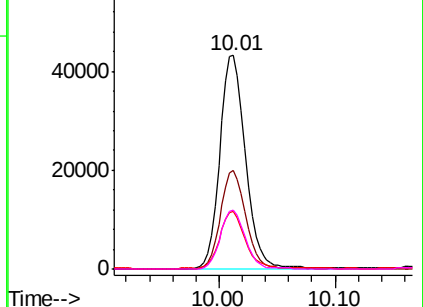
61 26.5 21.8 32.8

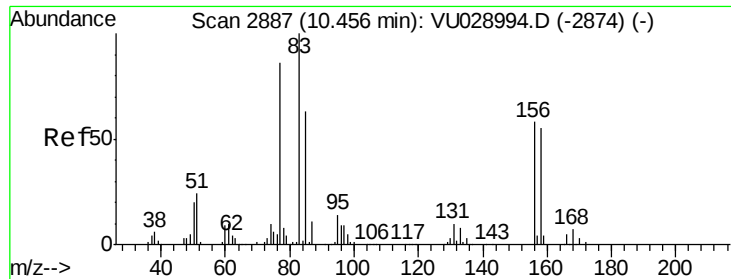
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.974 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

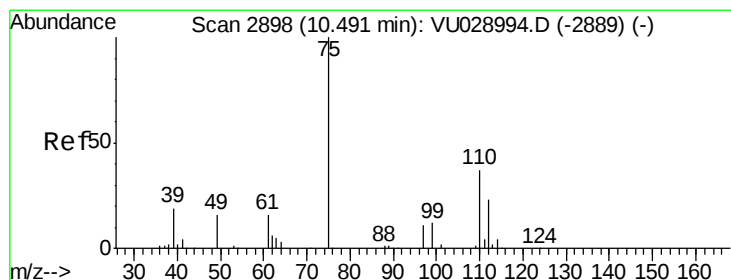
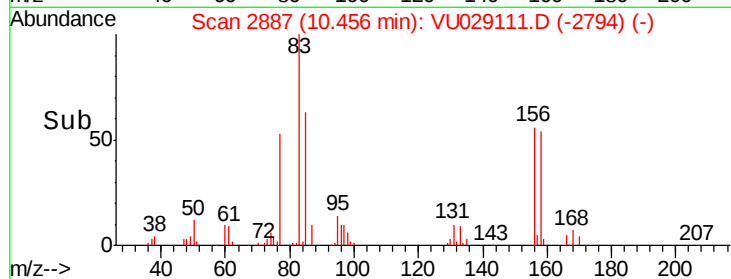
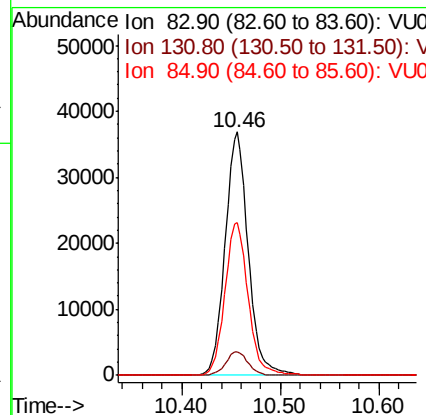
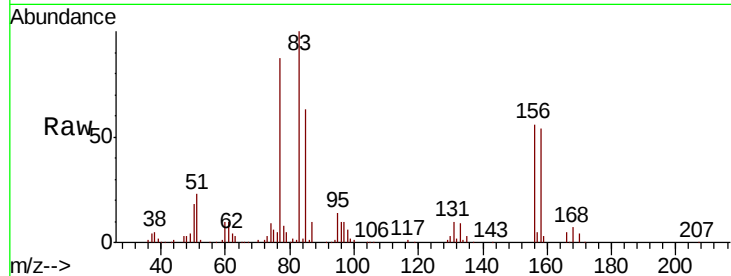
ClientSampleId :

VU0110MBS01

Tgt Ion:	83	Resp:	60831
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.1
85	62.8	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.313 ug/l m

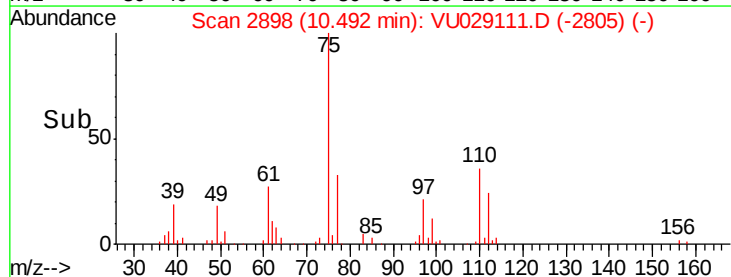
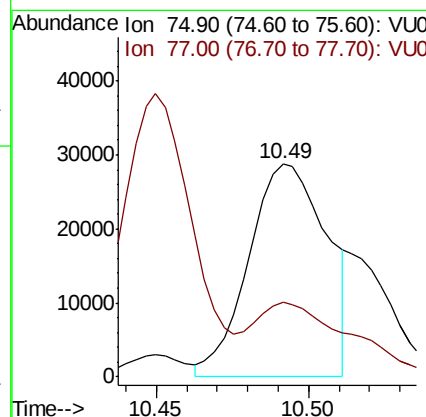
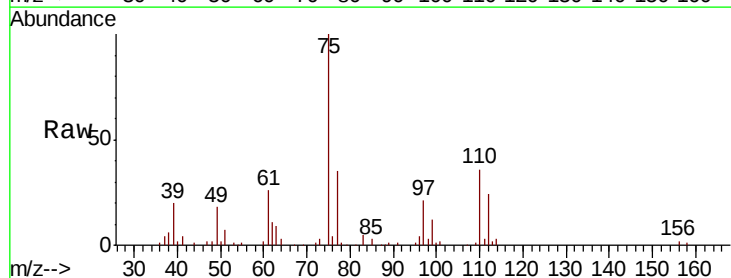
RT: 10.49 min Scan# 2898

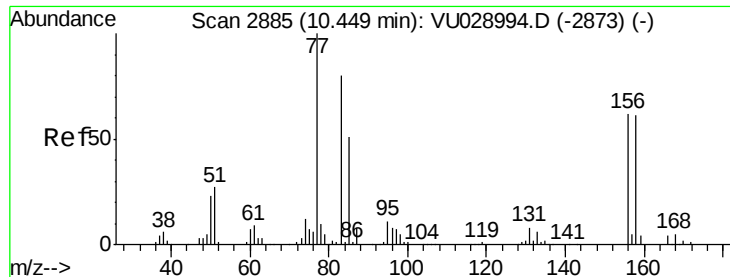
Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Tgt Ion:	75	Resp:	51056
Ion Ratio	Lower	Upper	
75	100		
77	44.4	20.9	62.8





#77

Bromobenzene

Concen: 20.408 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

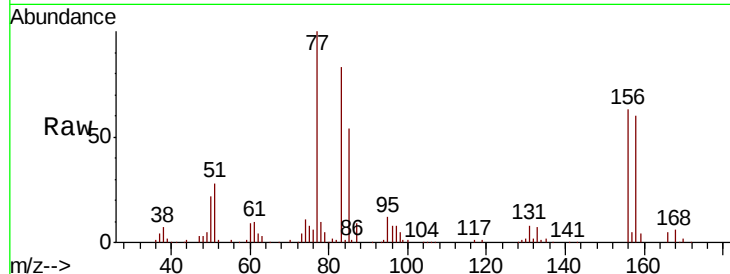
ClientSampleId :

VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	159.3	79.0	237.2
158	96.6	48.9	146.6

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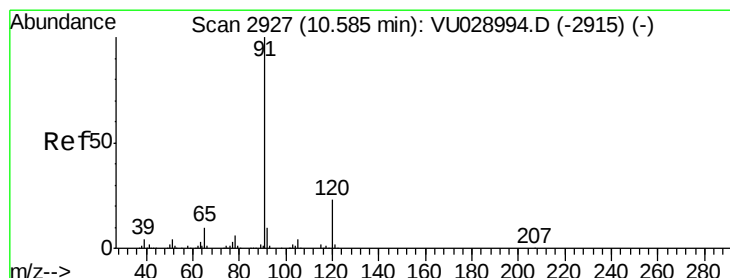
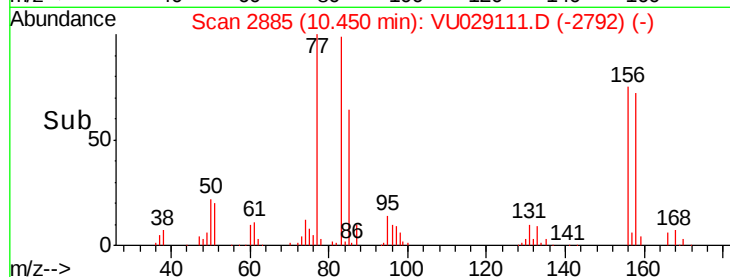
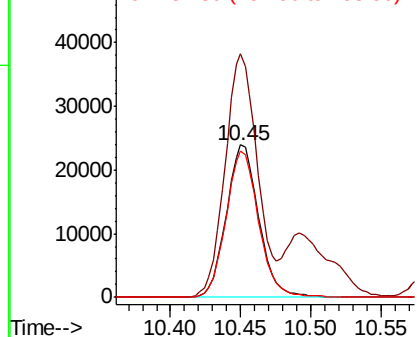


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.556 ug/l

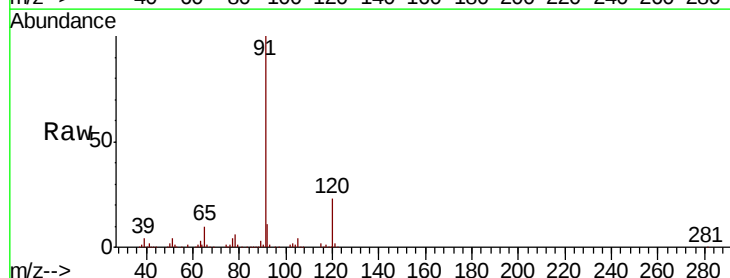
RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

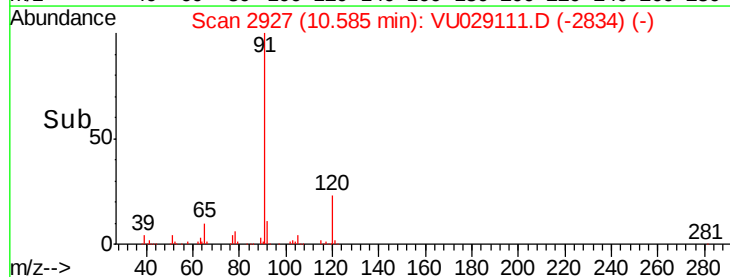
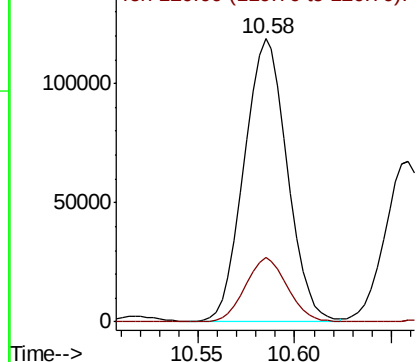
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.9

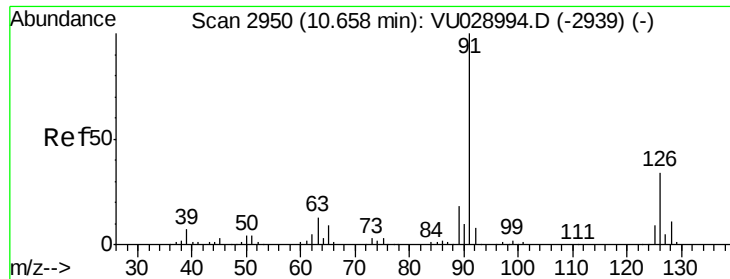


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.280 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 91 Resp: 110090

Ion Ratio Lower Upper

91 100

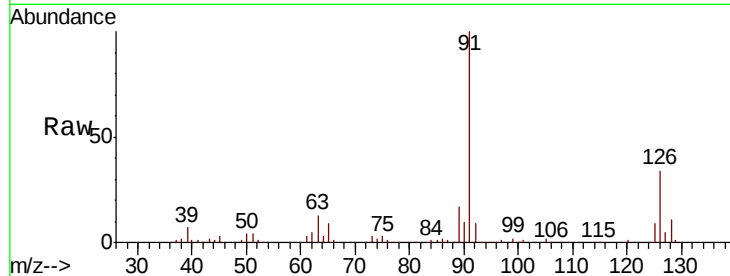
126 33.0 16.8 50.4

Manual Integrations

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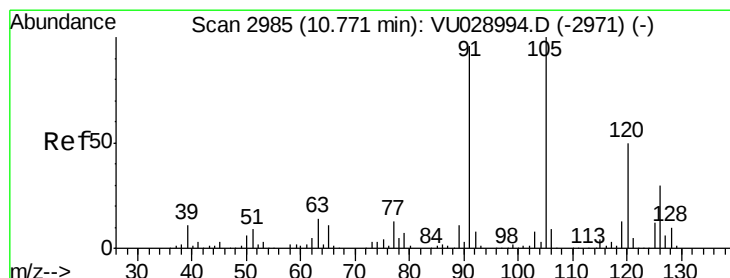
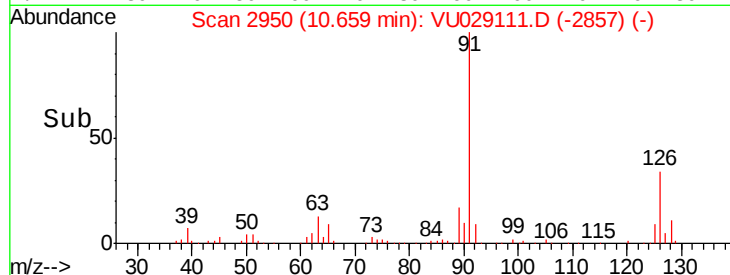
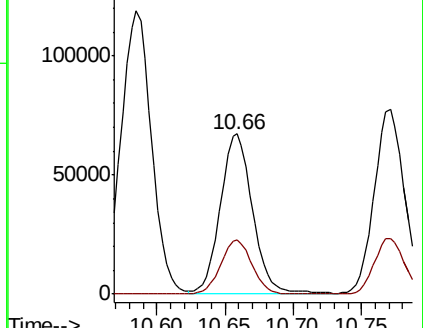
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.549 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029111.D

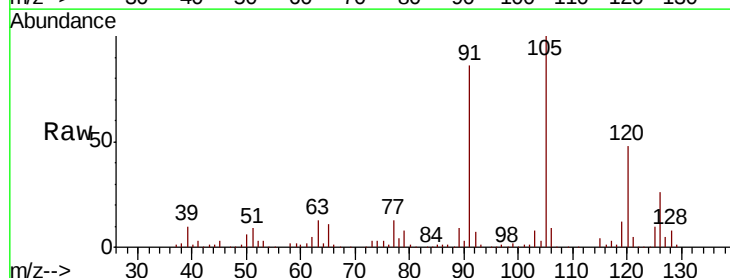
Acq: 10 Jan 2019 12:15

Tgt Ion: 105 Resp: 136266

Ion Ratio Lower Upper

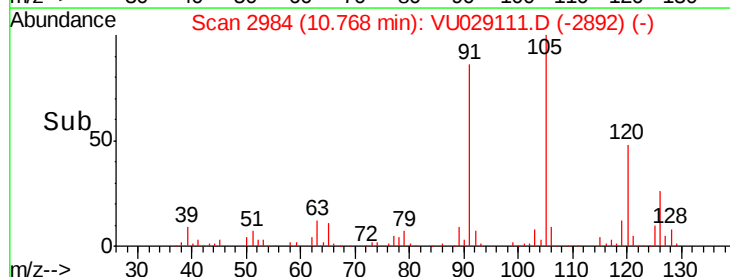
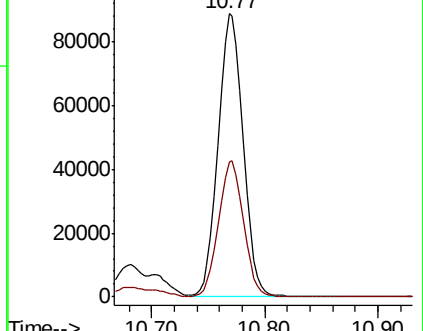
105 100

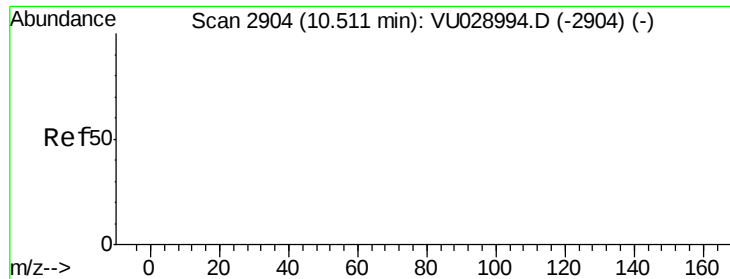
120 47.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028994.D (-2971) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2971) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.647 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 75 Resp: 17320

Ion Ratio Lower Upper

75 100

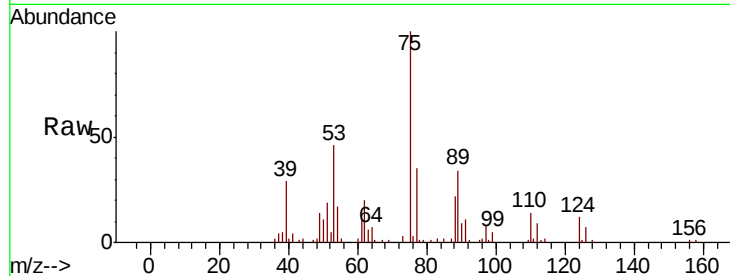
53 0.0 0.0 0.0

89 0.0 0.0 0.0

Manual Integrations
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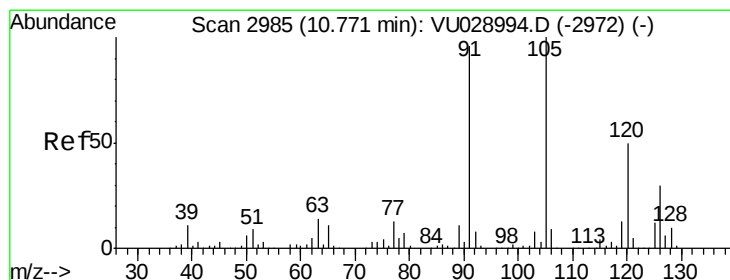
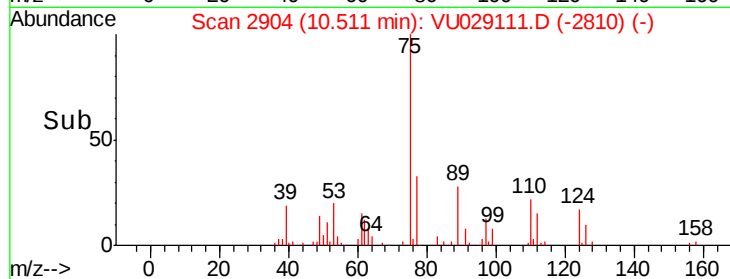
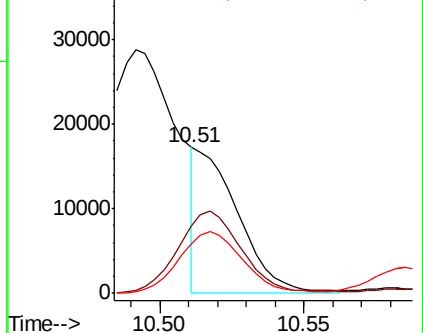
1/11/2019 10:03:31 AM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 20.225 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029111.D

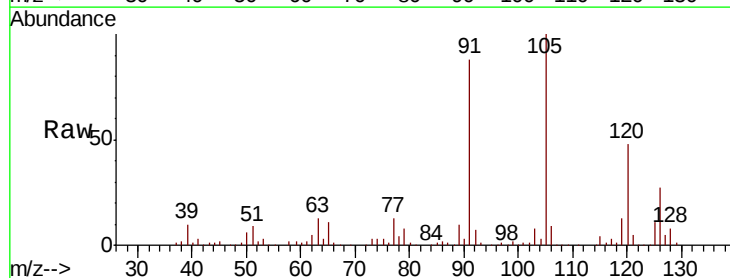
Acq: 10 Jan 2019 12:15

Tgt Ion: 91 Resp: 119978

Ion Ratio Lower Upper

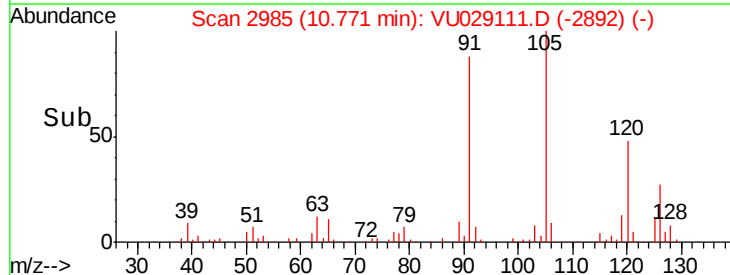
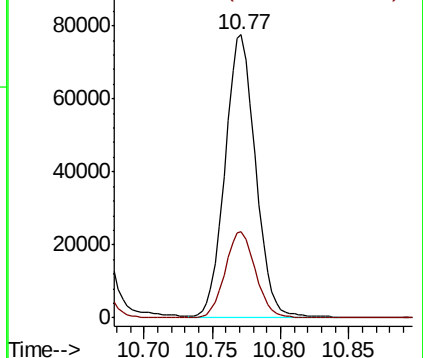
91 100

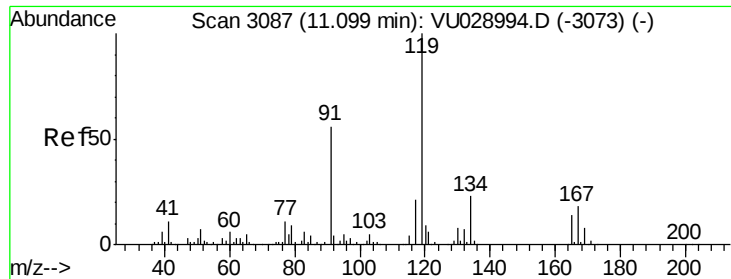
126 30.5 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





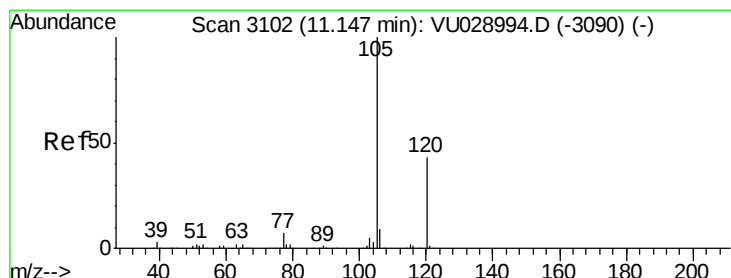
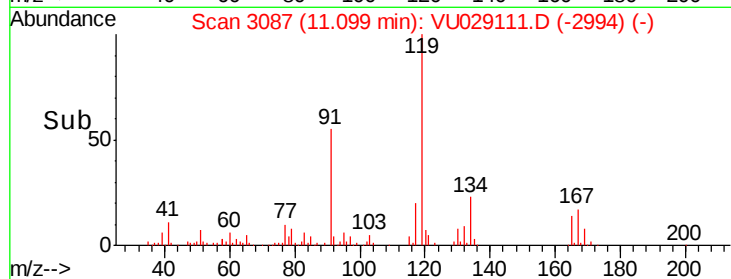
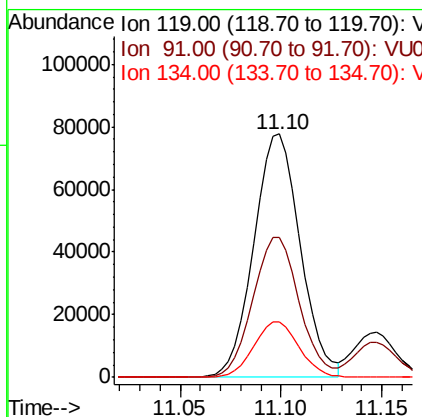
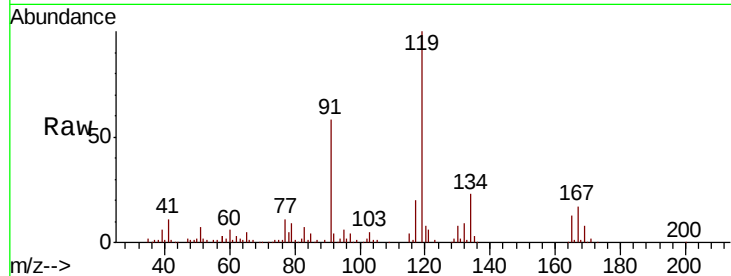
#83
tert-Butylbenzene
Concen: 21.006 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	125117		
91	57.0	28.2	84.6	
134	22.3	11.3	33.8	

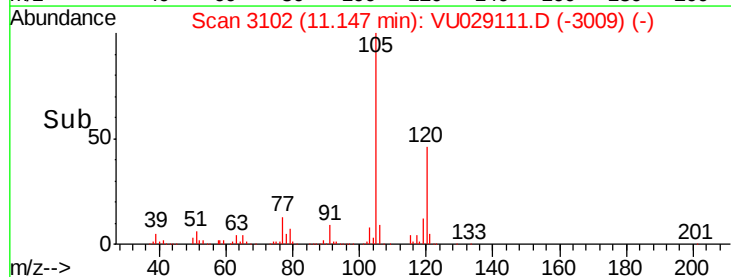
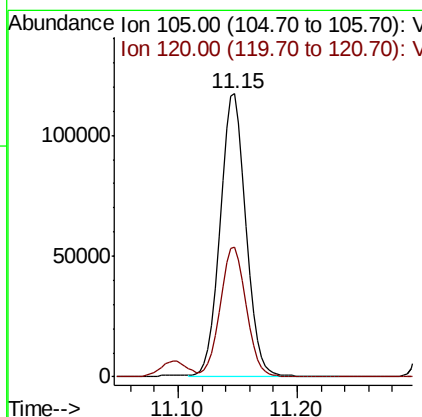
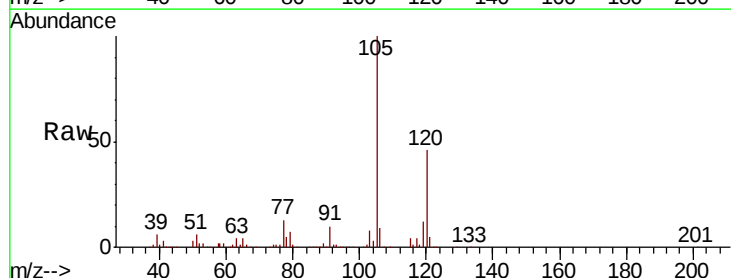
Manual Integrations
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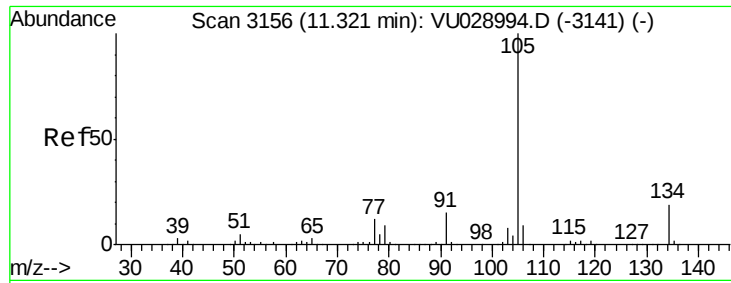
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 28.950 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	174666		
120	46.5	23.1	69.3	





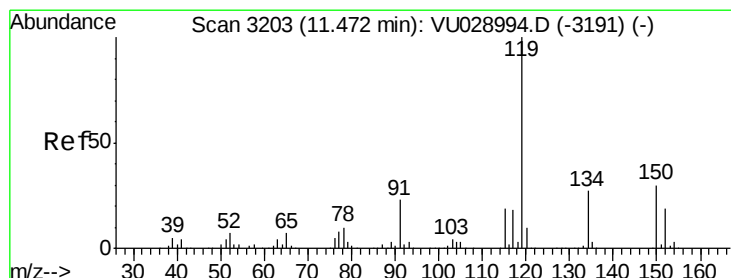
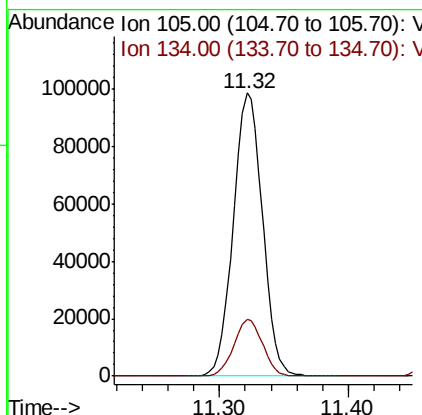
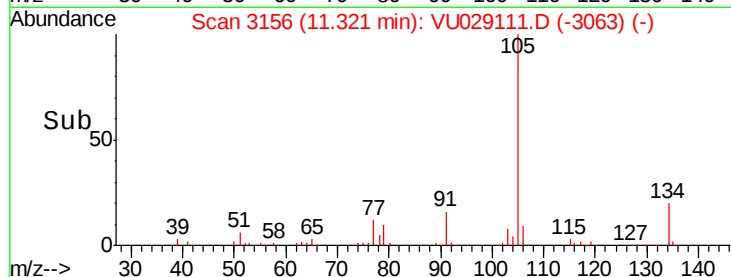
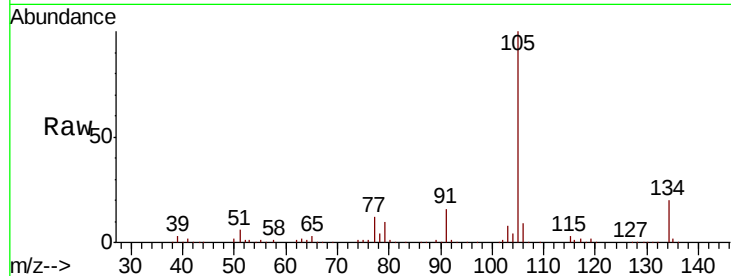
#85
 sec-Butylbenzene
 Concen: 21.393 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion:105 Resp: 154107
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.7 29.1

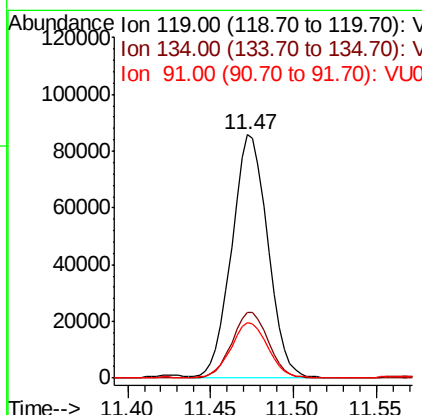
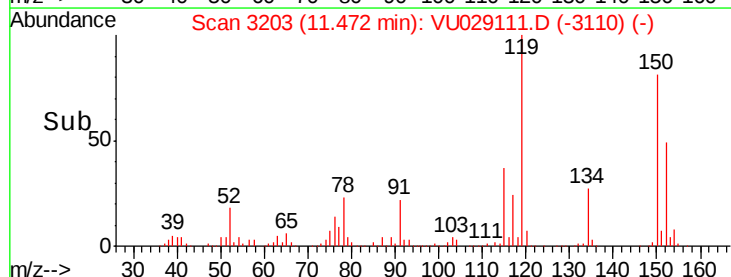
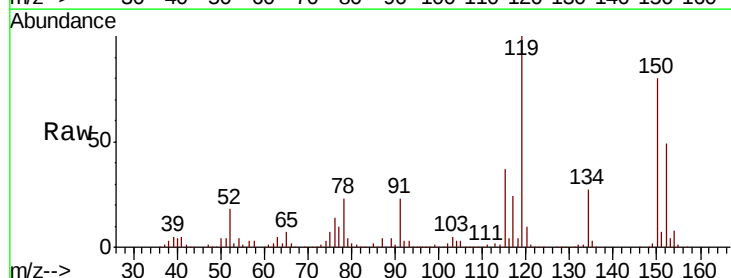
Manual Integrations
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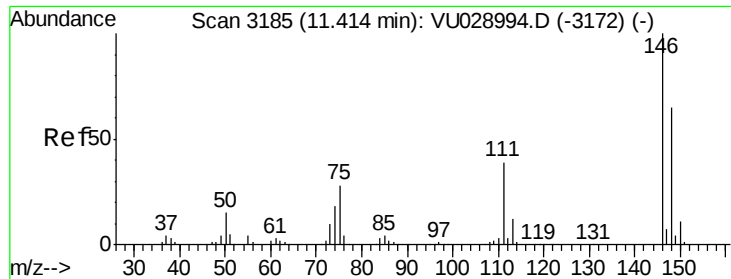
MMDadoda
 1/11/2019 10:03:31 AM



#86
 p-Isopropyltoluene
 Concen: 21.071 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion:119 Resp: 129338
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.5 40.4
 91 23.0 11.3 33.8





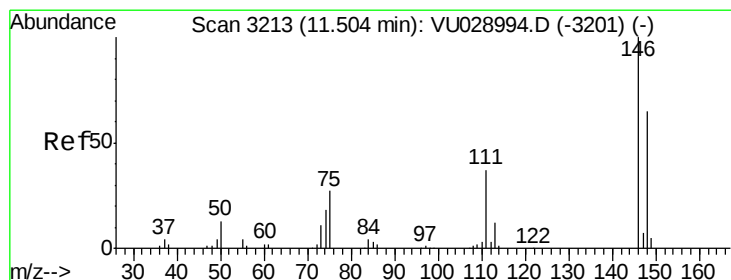
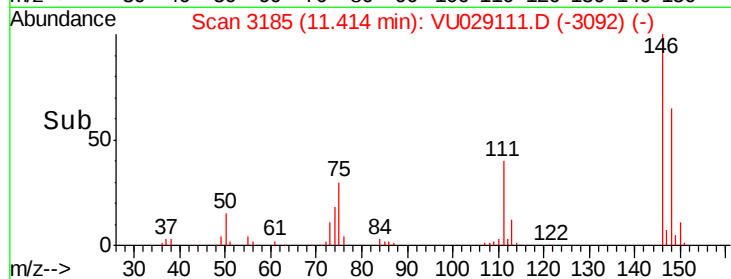
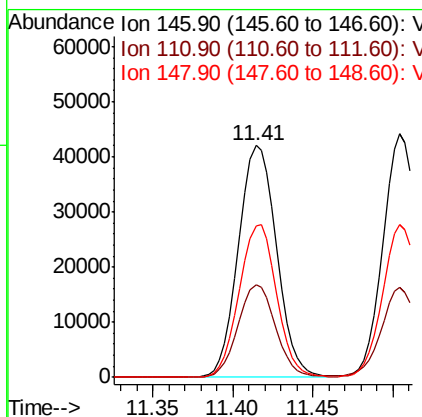
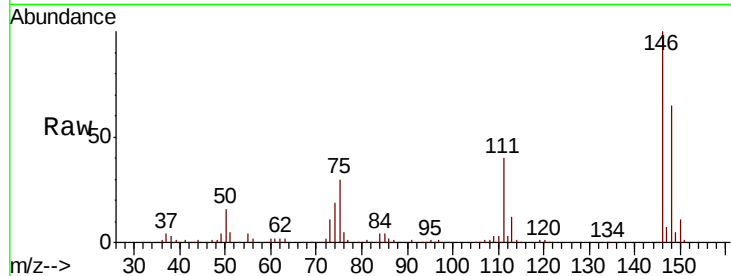
#87
 1,3-Dichlorobenzene
 Concen: 19.773 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.8
148	64.5	32.5	97.5

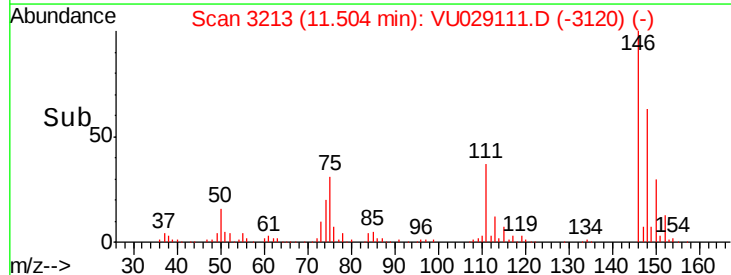
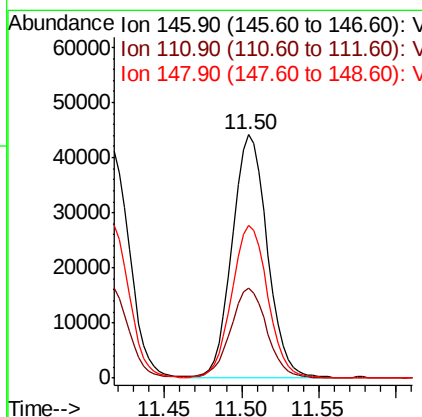
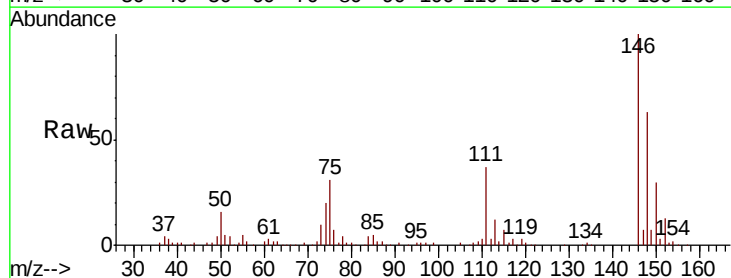
Manual Integrations
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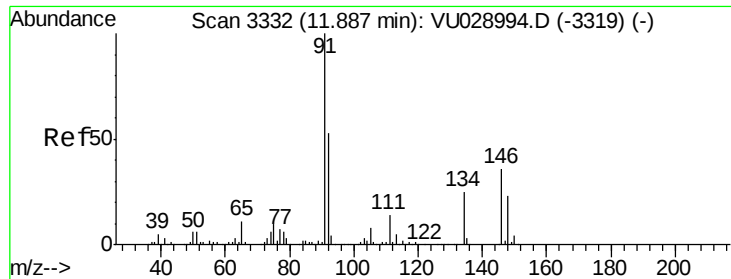
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 1/11/2019 10:03:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.415 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.3
148	63.9	32.6	98.0





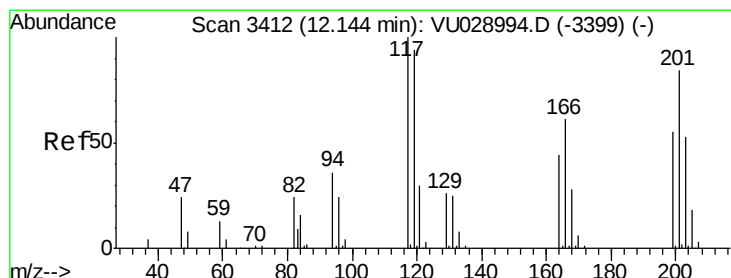
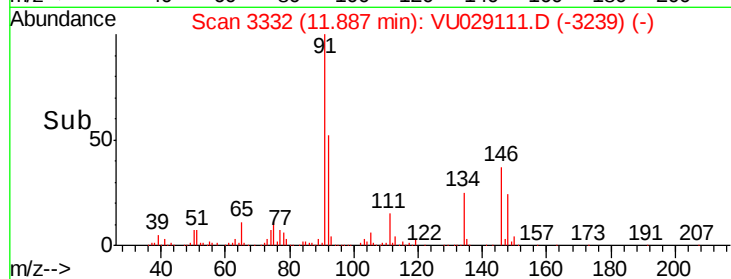
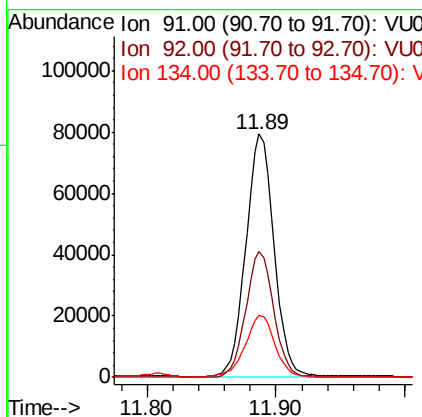
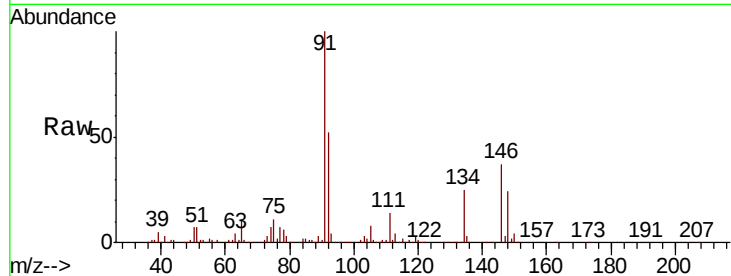
#89
n-Butylbenzene
Concen: 21.982 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.2	78.5
134	27.4	12.6	37.6

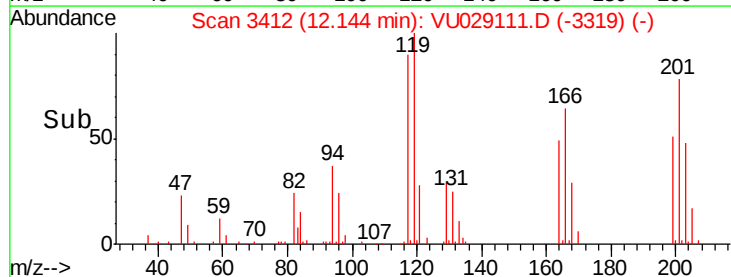
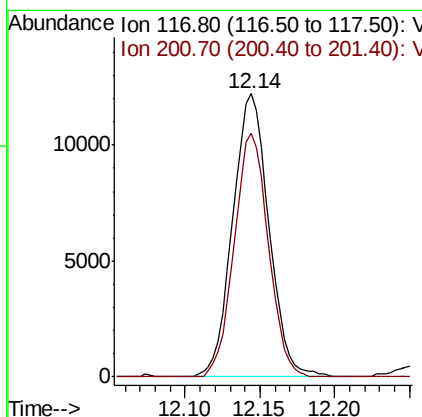
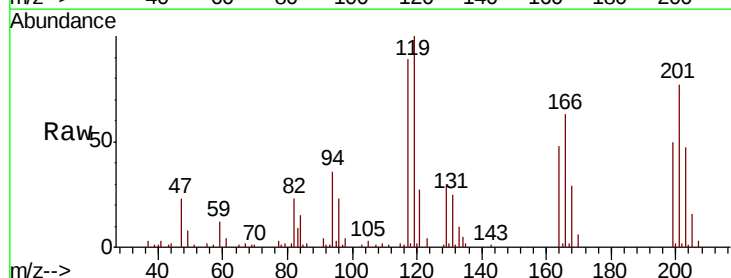
Manual Integrations
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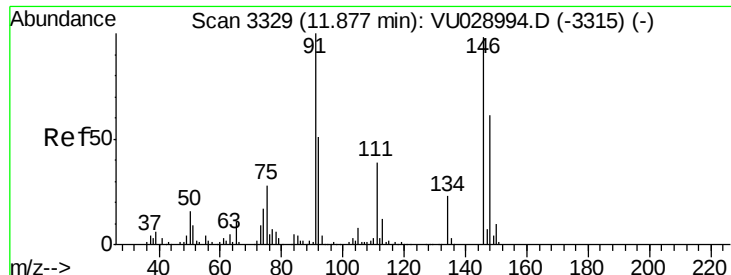
MMDadoda
1/11/2019 10:03:31 AM



#90
Hexachloroethane
Concen: 19.931 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	42.4	127.3





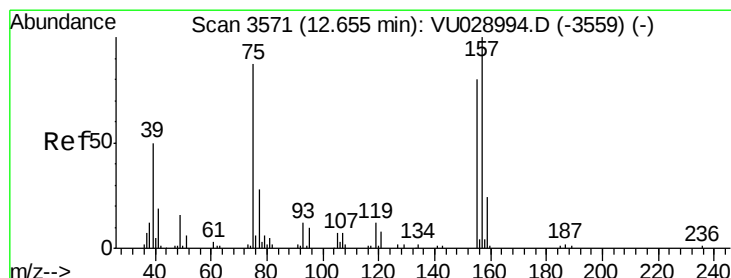
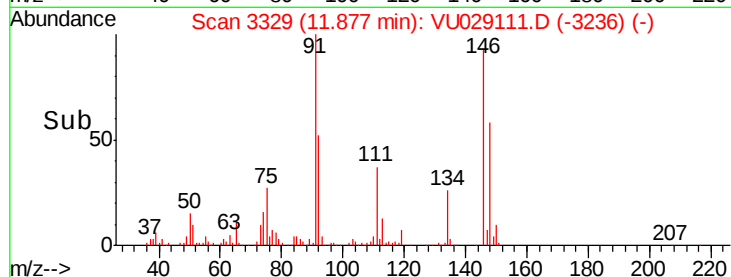
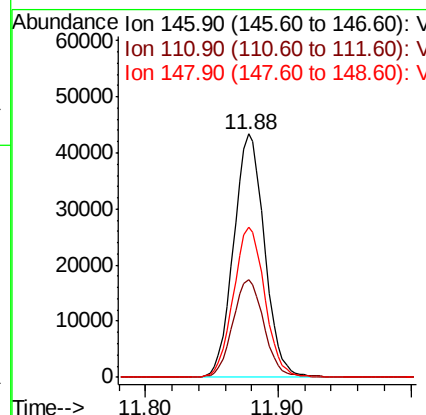
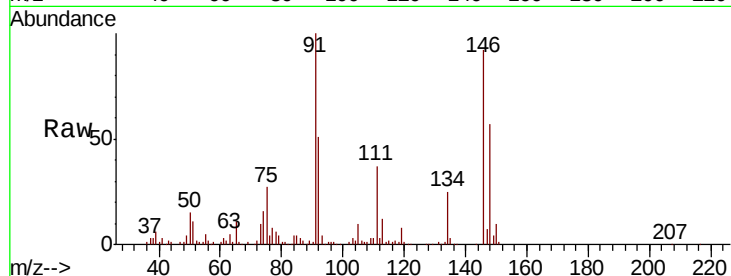
#91
 1,2-Dichlorobenzene
 Concen: 20.157 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	59.9
148	62.8	31.6	94.8

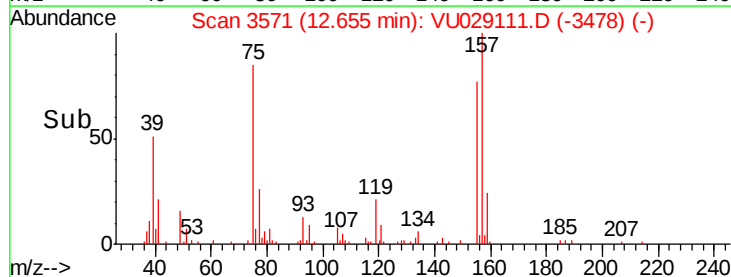
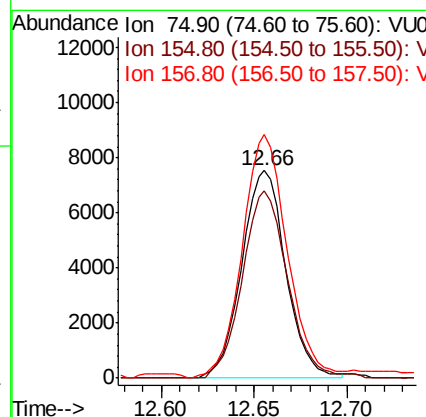
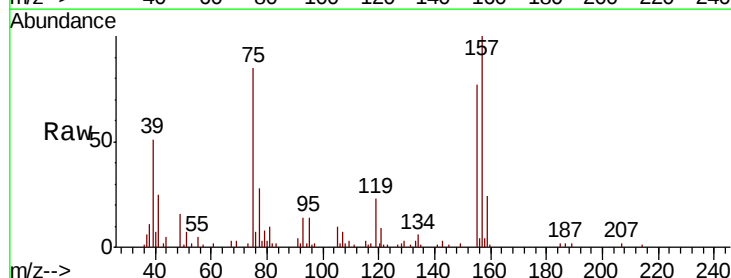
Manual Integrations
 APPROVED

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 1/11/2019 10:03:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.304 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	46.3	138.8
157	119.8	57.4	172.0





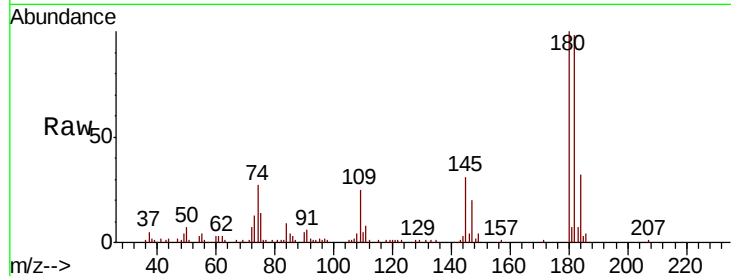
#93
 1,2,4-Trichlorobenzene
 Concen: 19.969 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.5	142.6
145	29.8	14.0	42.0

Manual Integrations
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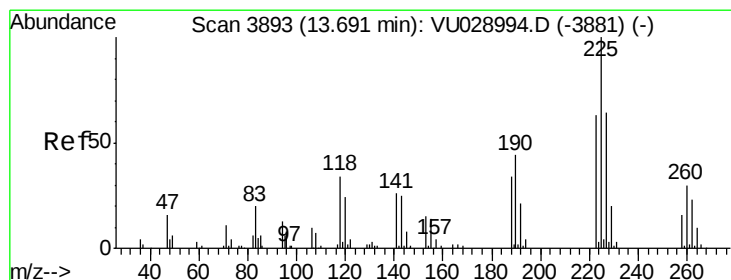
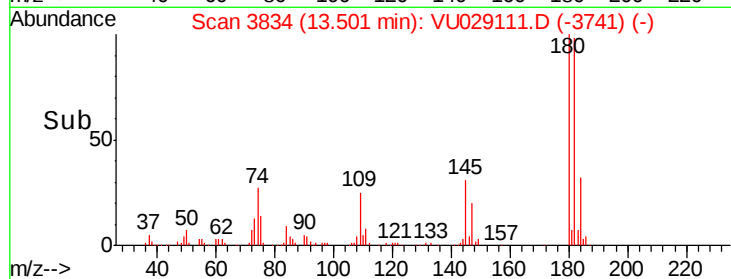
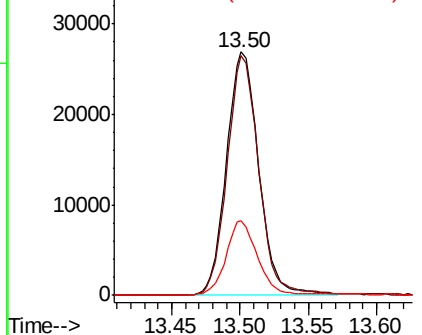


Abundance

Ion 179.80 (179.50 to 180.50): V

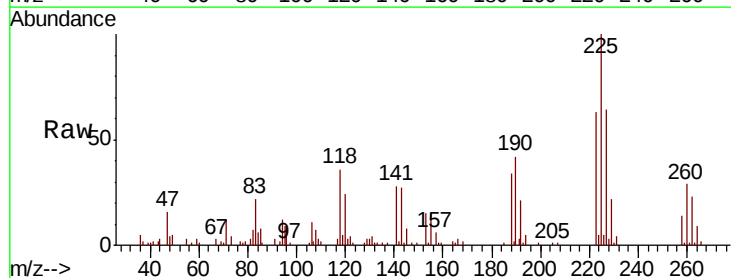
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.873 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.0
227	64.2	31.9	95.5

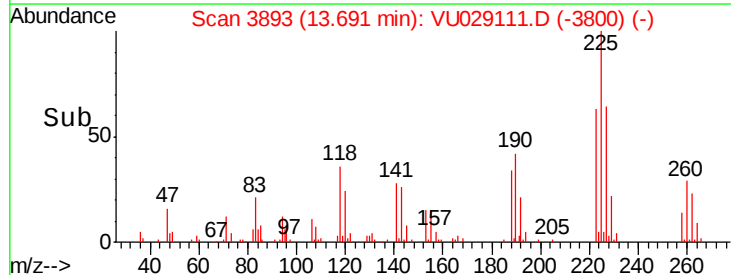
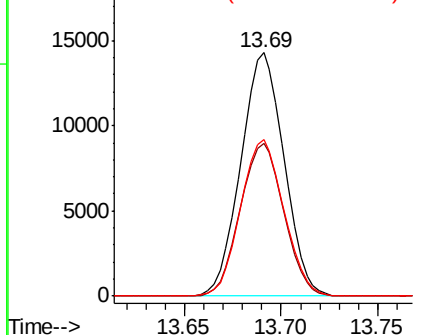


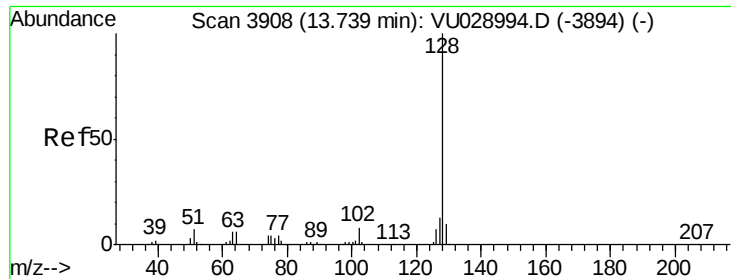
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.731 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

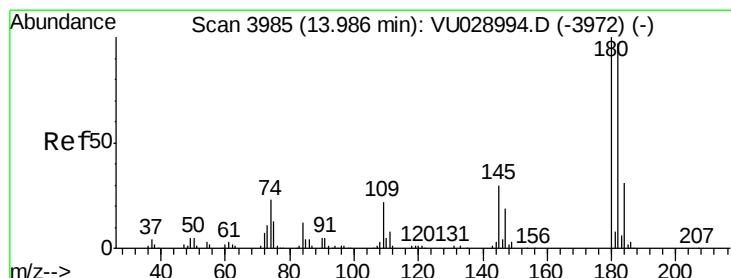
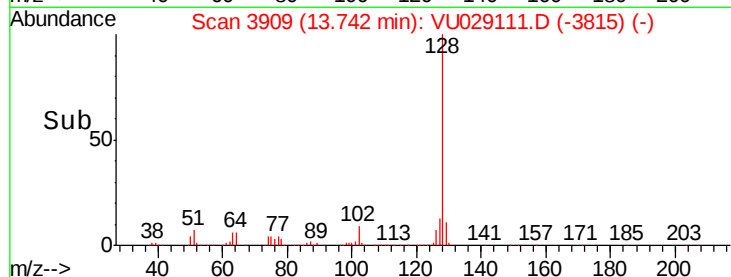
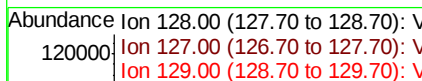
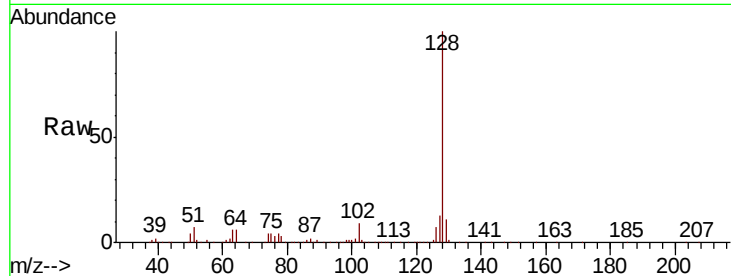
ClientSampleId :

VU0110MBS01

Tgt Ion:	128	Resp:	156846
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.3	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.939 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Tgt Ion:	180	Resp:	46894
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.1	144.3
145	31.8	14.8	44.4

