

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029129.D
 Acq On : 10 Jan 2019 19:55
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:03:59 AM

Quant Time: Jan 11 04:16:52 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	125170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	207685	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	195697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	97541	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	77688	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	4.88	113	67284	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	7.56	98	256721	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	10.30	95	91582	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	59086	47.599	ug/l	100
3) Chloromethane	1.33	50	84203	42.393	ug/l	98
4) Vinyl Chloride	1.40	62	86580	47.330	ug/l	99
5) Bromomethane	1.61	94	41526	43.776	ug/l	100
6) Chloroethane	1.69	64	53421	49.028	ug/l	99
7) Trichlorofluoromethane	1.88	101	96022	48.172	ug/l	98
8) Diethyl Ether	2.10	74	47776	49.889	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	63363	47.508	ug/l	99
10) Methyl Iodide	2.41	142	50630	40.373	ug/l	99
11) Tert butyl alcohol	2.83	59	104566	265.860	ug/l	98
12) 1,1-Dichloroethene	2.28	96	62292	47.984	ug/l	97
13) Acrolein	2.19	56	65586	222.073	ug/l	100
14) Allyl chloride	2.59	41	107600	45.173	ug/l	90
15) Acrylonitrile	2.93	53	257282	266.633	ug/l	100
16) Acetone	2.32	43	201001	206.204	ug/l	100
17) Carbon Disulfide	2.47	76	197597	45.920	ug/l	100
18) Methyl Acetate	2.61	43	126718	55.909	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	232159	50.866	ug/l	98
20) Methylene Chloride	2.70	84	80814	48.830	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	70496	46.740	ug/l	97
22) Diisopropyl ether	3.57	45	245767	52.206	ug/l	98
23) Vinyl Acetate	3.52	43	1006889	261.630	ug/l	100
24) 1,1-Dichloroethane	3.44	63	140245	51.606	ug/l	100
25) 2-Butanone	4.26	43	337785	256.565	ug/l	99
26) 2,2-Dichloropropane	4.22	77	102600	46.724	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	82387	49.943	ug/l	98
28) Bromochloromethane	4.55	49	60664	52.132	ug/l	97
29) Tetrahydrofuran	4.63	42	220185	275.742	ug/l	99
30) Chloroform	4.67	83	132120	51.042	ug/l	99
31) Cyclohexane	4.99	56	125493	48.893	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	106877	49.971	ug/l	99
36) 1,1-Dichloropropene	5.13	75	97455	46.946	ug/l	100
37) Ethyl Acetate	4.38	43	122305	53.675	ug/l	100
38) Carbon Tetrachloride	5.13	117	86532	49.978	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	122102	47.845	ug/l	98
40) Benzene	5.39	78	316552	48.886	ug/l	100
41) Methacrylonitrile	4.54	41	66215	54.287	ug/l	100
42) 1,2-Dichloroethane	5.40	62	99983	51.385	ug/l	99
43) Isopropyl Acetate	5.55	43	186941	53.482	ug/l	99
44) Trichloroethene	6.18	130	76134	47.453	ug/l	98
45) 1,2-Dichloropropane	6.43	63	86683	50.692	ug/l	100
46) Dibromomethane	6.56	93	54253	49.631	ug/l	99
47) Bromodichloromethane	6.76	83	101300	50.332	ug/l	99
48) Methyl methacrylate	6.62	41	92388	54.281	ug/l	99
49) 1,4-Dioxane	6.61	88	42595	1056.030	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	636756	267.675	ug/l	99
52) Toluene	7.63	92	194144	49.250	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	118126	48.858	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	130230	49.849	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	79235	50.173	ug/l	97
56) Ethyl methacrylate	8.02	69	126982	52.192	ug/l	97
57) 1,3-Dichloropropane	8.24	76	137685	50.952	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	284606	265.994	ug/l	99
59) 2-Hexanone	8.36	43	496691	265.994	ug/l	100
60) Dibromochloromethane	8.48	129	77593	49.594	ug/l	100
61) 1,2-Dibromoethane	8.58	107	84818	49.521	ug/l	99
64) Tetrachloroethene	8.22	164	68509	48.598	ug/l	97
65) Chlorobenzene	9.12	112	208761	47.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	70290	49.376	ug/l	99
67) Ethyl Benzene	9.25	91	363835	49.679	ug/l	100
68) m/p-Xylenes	9.37	106	281813	99.034	ug/l	99
69) o-Xylene	9.78	106	137262	50.062	ug/l	99
70) Styrene	9.79	104	226720	50.440	ug/l	100
71) Bromoform	9.95	173	62159	49.039	ug/l #	100
73) Isopropylbenzene	10.16	105	356645	49.399	ug/l	100
74) N-amyl acetate	10.01	43	162244	52.150	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	142152	49.127	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	121094m	50.669	ug/l	
77) Bromobenzene	10.45	156	90450	48.075	ug/l	99
78) n-propylbenzene	10.58	91	426531	50.131	ug/l	100
79) 2-Chlorotoluene	10.66	91	250271	48.490	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	300114	49.778	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	38224m	41.249	ug/l	
82) 4-Chlorotoluene	10.77	91	286528	48.414	ug/l	99
83) tert-Butylbenzene	11.10	119	293600	49.408	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	306984	50.999	ug/l	99
85) sec-Butylbenzene	11.32	105	366774	51.035	ug/l	100
86) p-Isopropyltoluene	11.47	119	311572	50.877	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	161901	46.914	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	162716	45.678	ug/l	100
89) n-Butylbenzene	11.89	91	286921	52.494	ug/l	99
90) Hexachloroethane	12.14	117	47681	46.282	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	163421	47.015	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29878	53.686	ug/l	98

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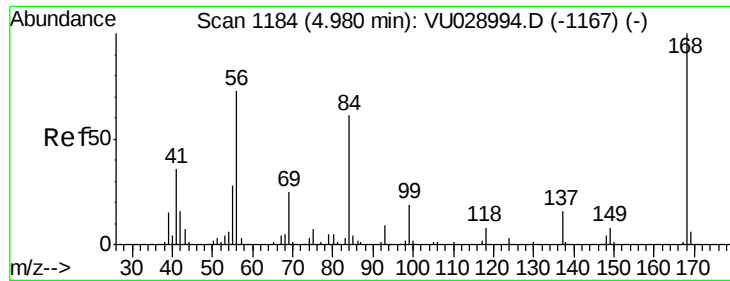
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	109868	49.515	ug/l	99
94) Hexachlorobutadiene	13.69	225	51269	50.516	ug/l	99
95) Naphthalene	13.74	128	378343	50.124	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	114899	50.296	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 125170

Ion Ratio Lower Upper

168 100

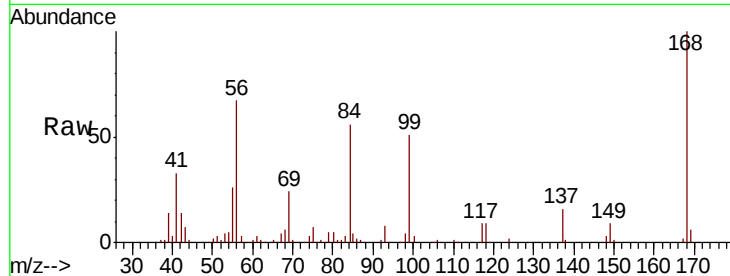
99 50.7 42.0 63.0

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

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

4.98

60000

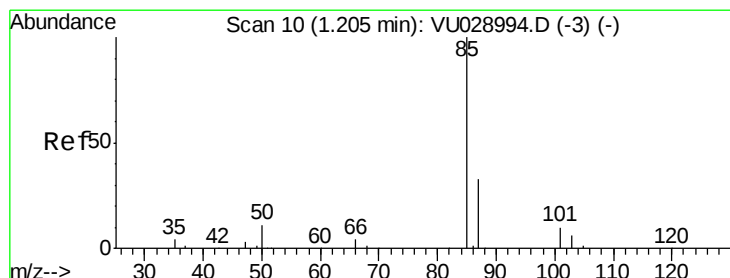
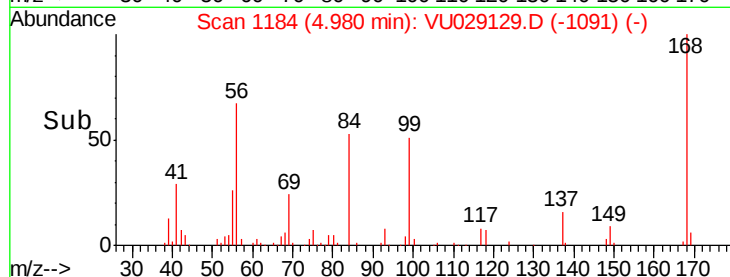
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.599 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029129.D

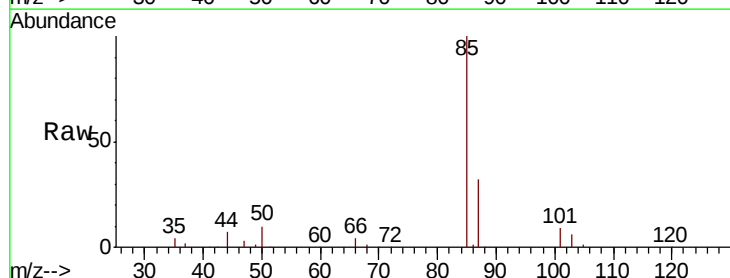
Acq: 10 Jan 2019 19:55

Tgt Ion: 85 Resp: 59086

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



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

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

1.21

60000

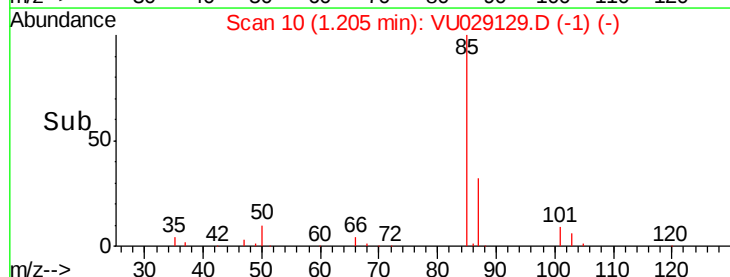
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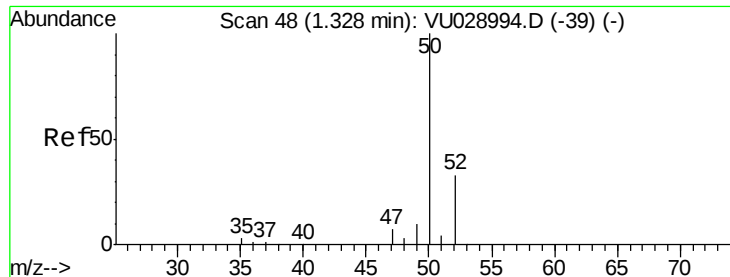
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 42.393 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 84203

Ion Ratio Lower Upper

50 100

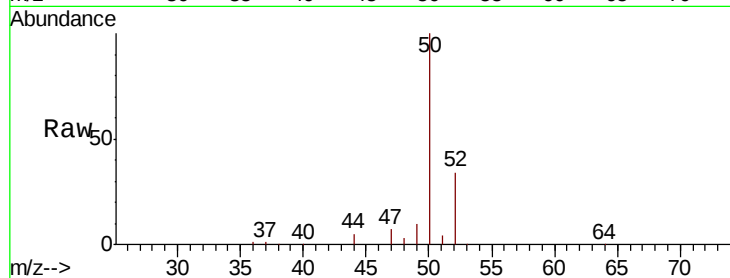
52 33.6 26.1 39.1

Manual Integrations

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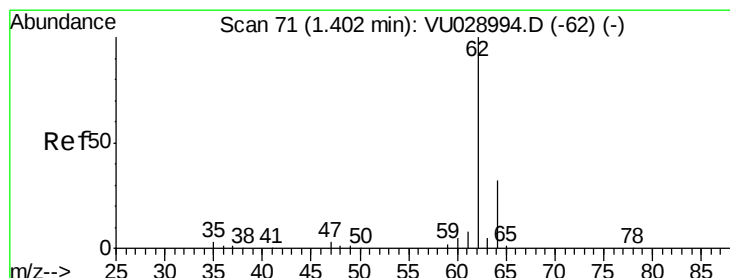
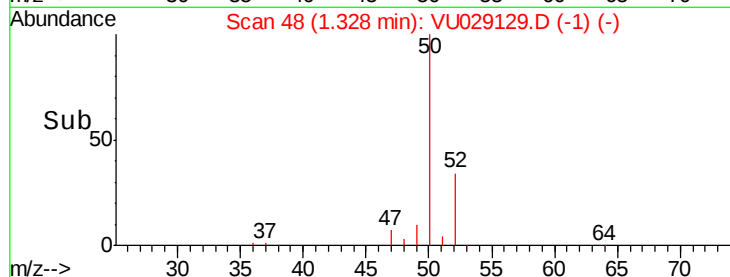
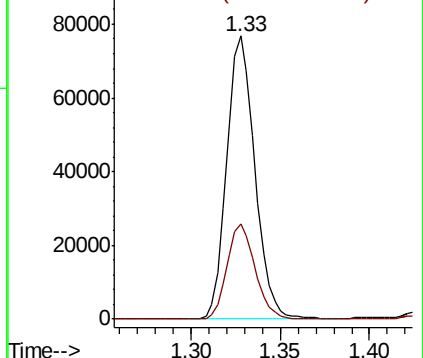
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Abundance Ion 49.90 (49.60 to 50.60): VU029129.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU029129.D (-1) (-)



#4

Vinyl Chloride

Concen: 47.330 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029129.D

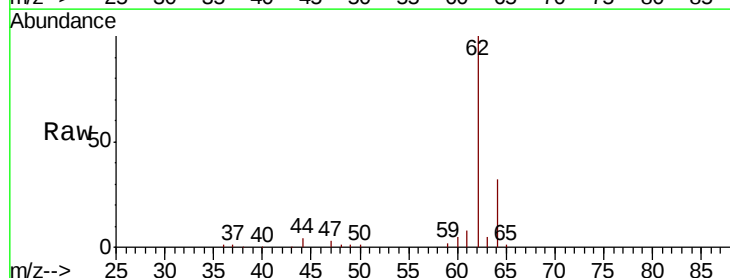
Acq: 10 Jan 2019 19:55

Tgt Ion: 62 Resp: 86580

Ion Ratio Lower Upper

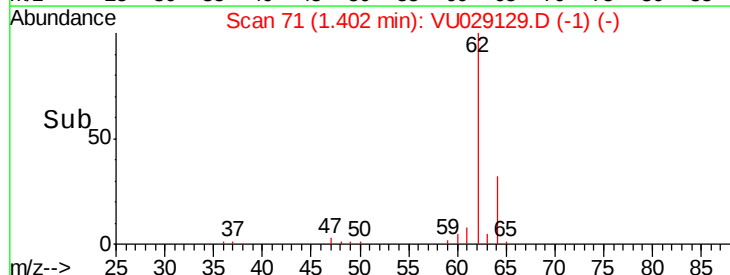
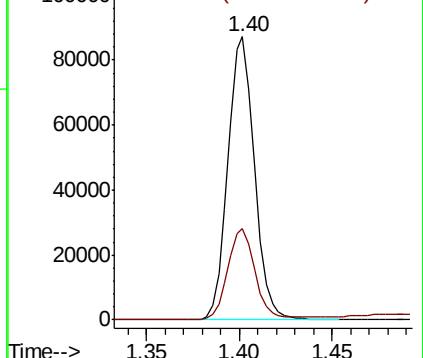
62 100

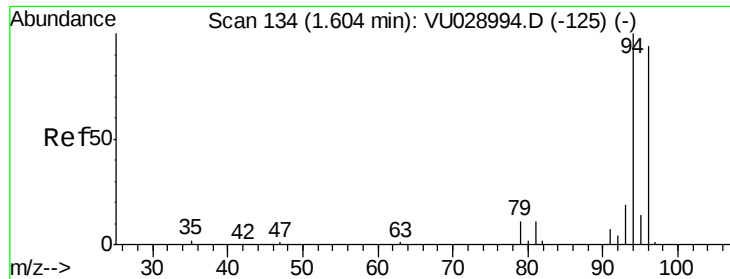
64 31.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU029129.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU029129.D (-1) (-)





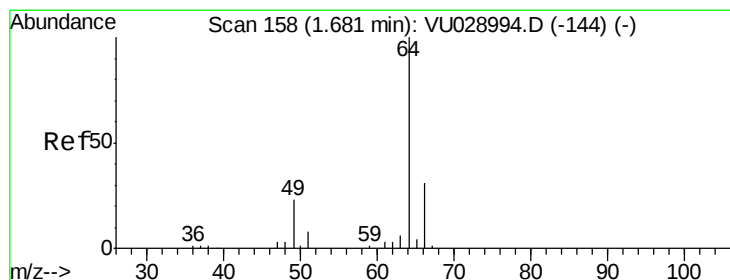
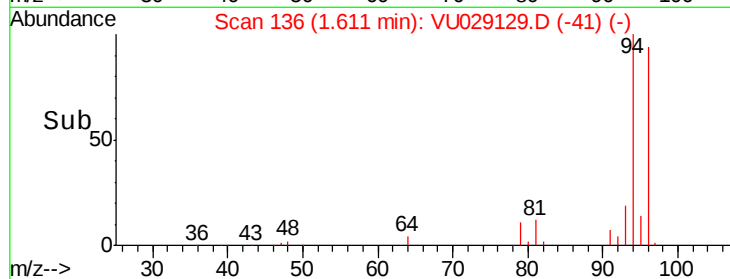
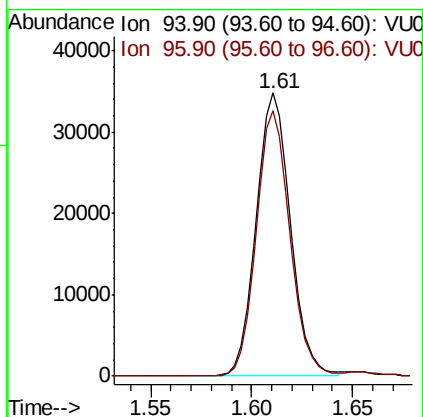
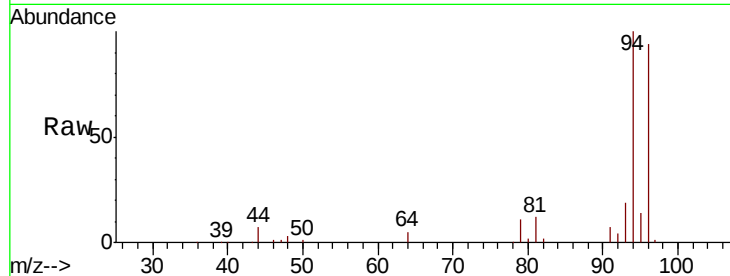
#5
Bromomethane
Concen: 43.776 ug/l
RT: 1.61 min Scan# 136
Delta R.T. 0.01 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
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Tgt Ion: 94 Resp: 41526
Ion Ratio Lower Upper
94 100
96 94.0 75.5 113.3

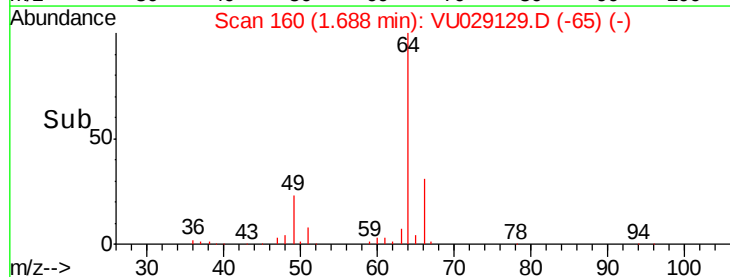
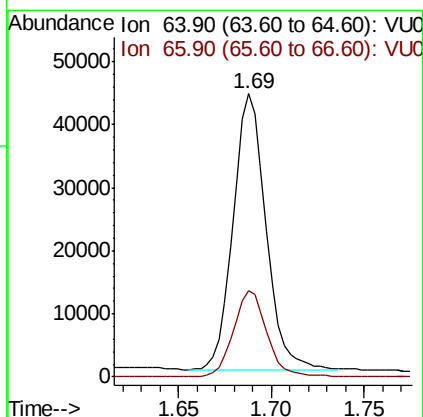
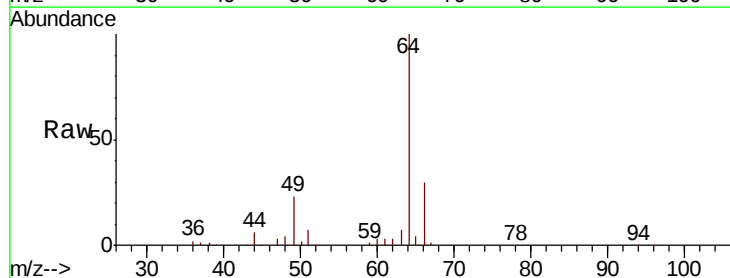
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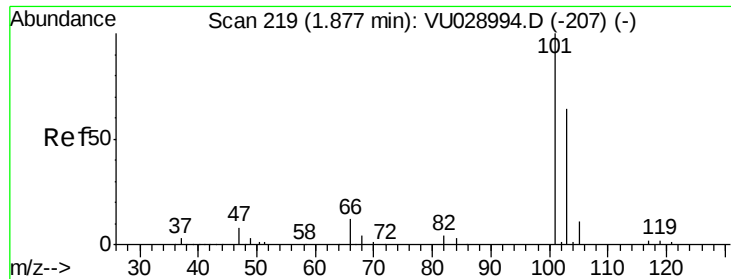
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#6
Chloroethane
Concen: 49.028 ug/l
RT: 1.69 min Scan# 160
Delta R.T. 0.01 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion: 64 Resp: 53421
Ion Ratio Lower Upper
64 100
66 31.2 25.2 37.8





#7

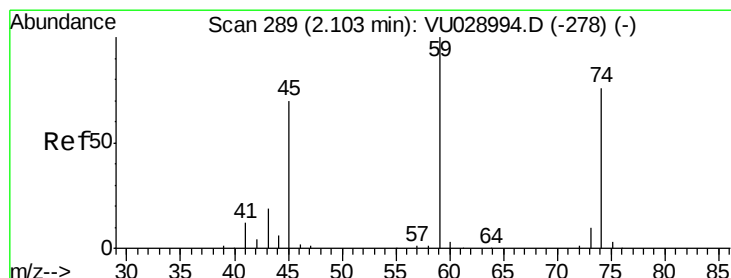
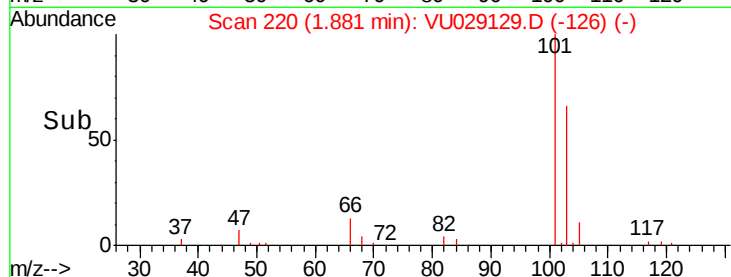
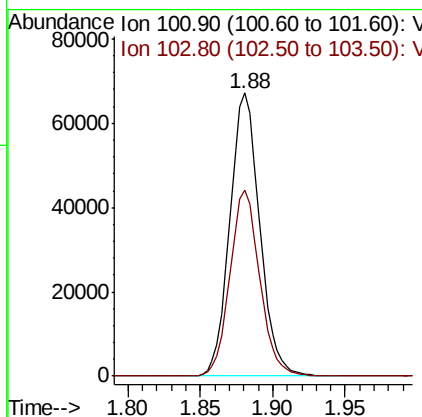
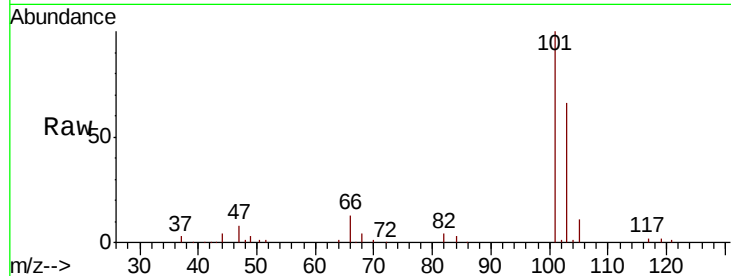
Trichlorofluoromethane
Concen: 48.172 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 96022
Ion Ratio Lower Upper
101 100
103 66.0 51.5 77.3

Manual Integrations
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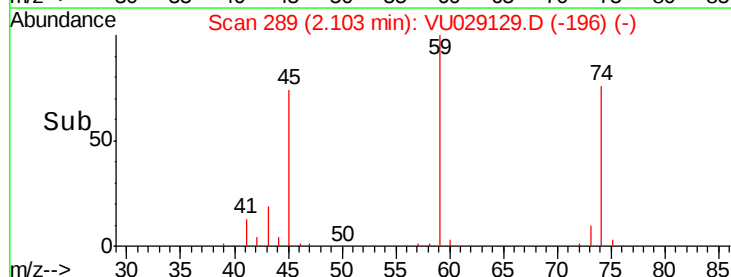
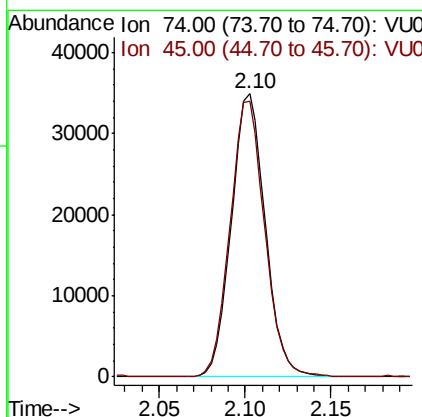
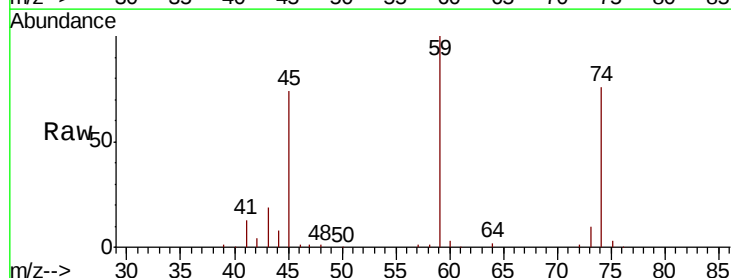
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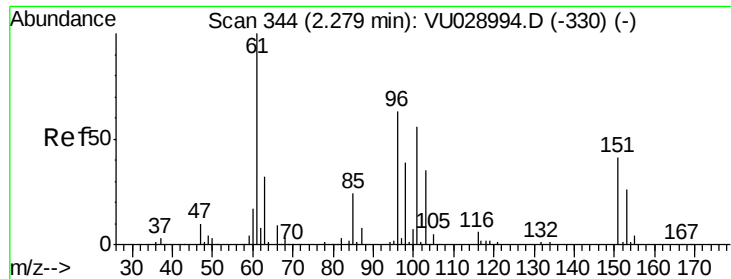


#8

Diethyl Ether
Concen: 49.889 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion: 74 Resp: 47776
Ion Ratio Lower Upper
74 100
45 99.9 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.508 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

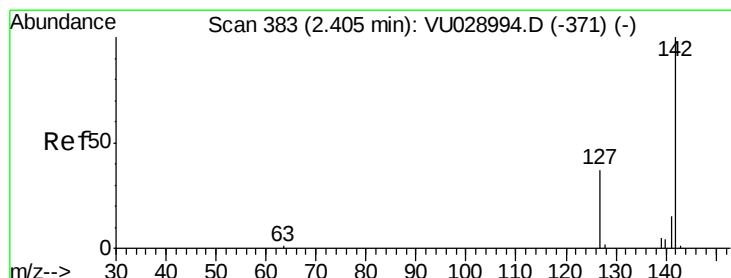
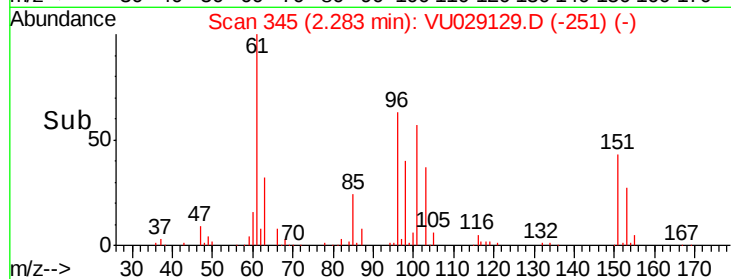
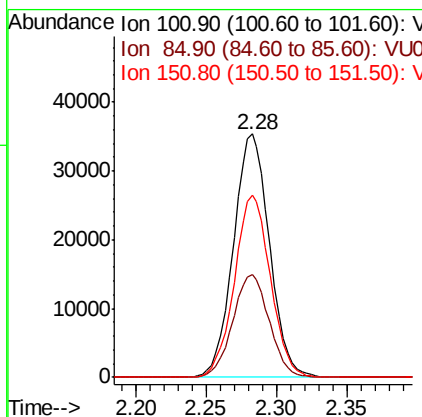
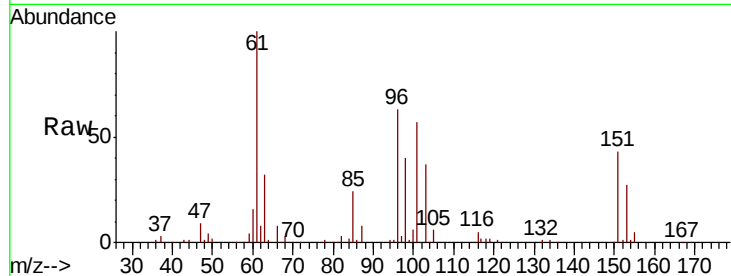
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	63363
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.1	52.7
151	74.5	60.2	90.2

Manual Integrations
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1/11/2019 10:03:59 AM



#10

Methyl Iodide

Concen: 40.373 ug/l

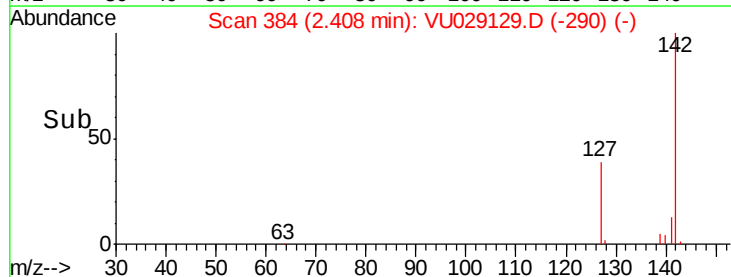
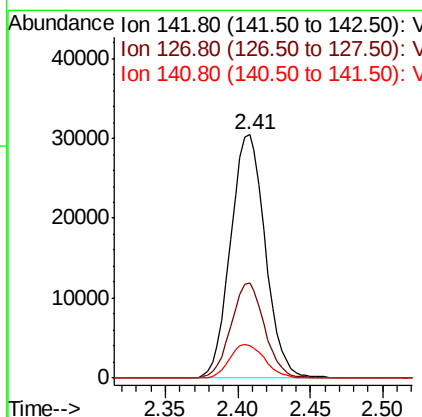
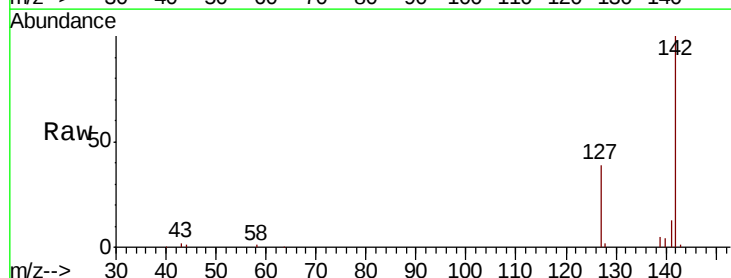
RT: 2.41 min Scan# 384

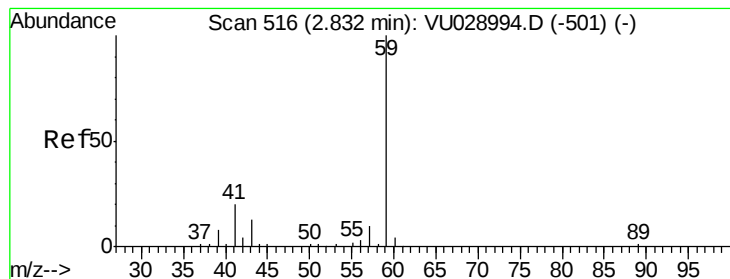
Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Tgt Ion:	142	Resp:	50630
Ion Ratio	Lower	Upper	
142	100		
127	37.8	29.8	44.6
141	14.0	11.5	17.3





#11

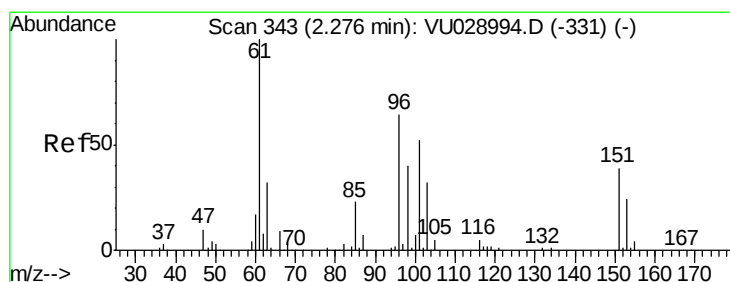
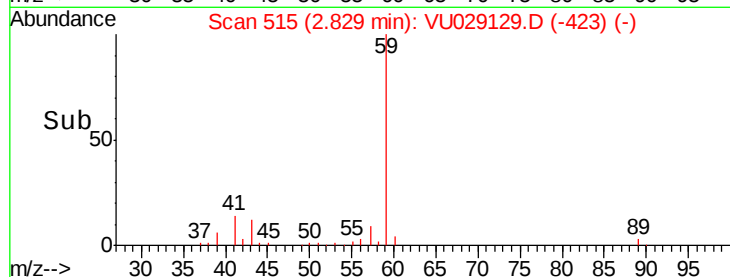
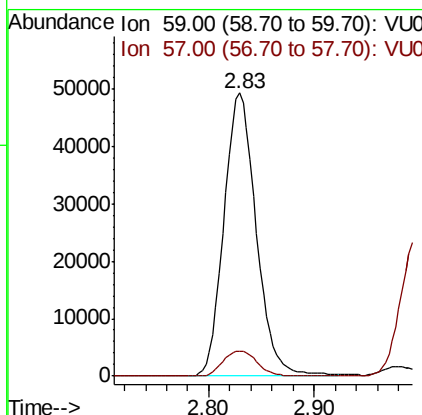
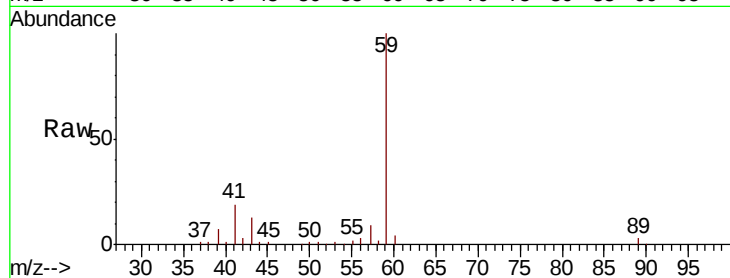
Tert butyl alcohol
Concen: 265.860 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.9	11.9

Manual Integrations
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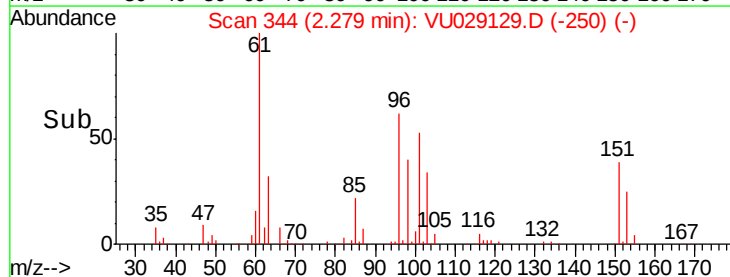
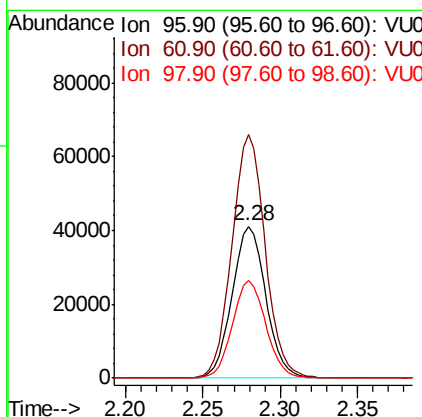
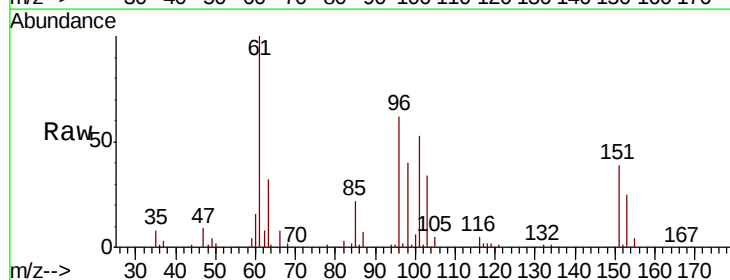
MMDadoda
1/11/2019 10:03:59 AM

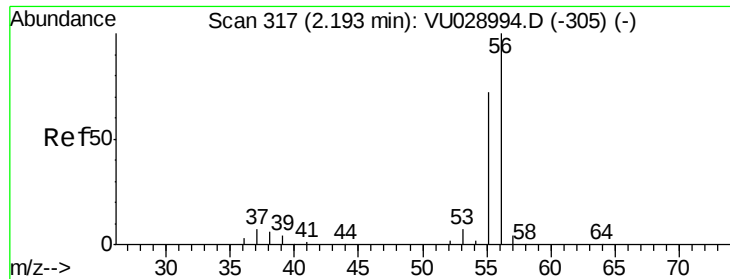


#12

1,1-Dichloroethene
Concen: 47.984 ug/l
RT: 2.28 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.1	125.4	188.0
98	64.3	49.7	74.5





#13

Acrolein

Concen: 222.073 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 65586

Ion Ratio Lower Upper

56 100

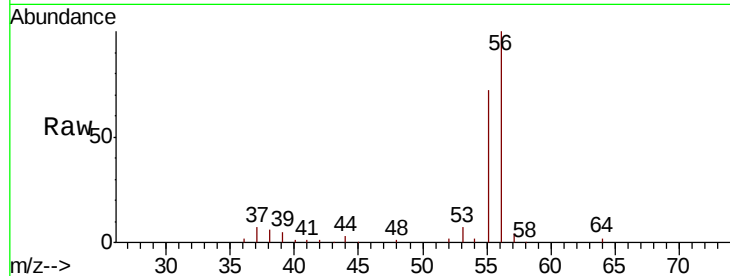
55 70.9 56.5 84.7

Manual Integrations

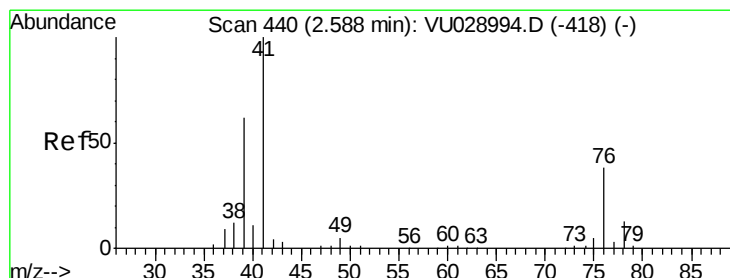
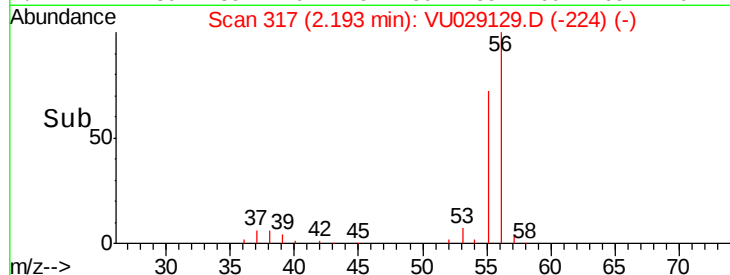
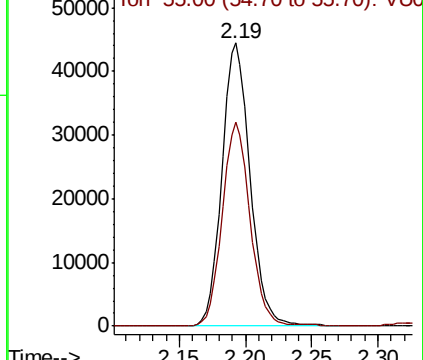
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Abundance Ion 56.00 (55.70 to 56.70): VU029129.D (-224) (-)



#14

Allyl chloride

Concen: 45.173 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

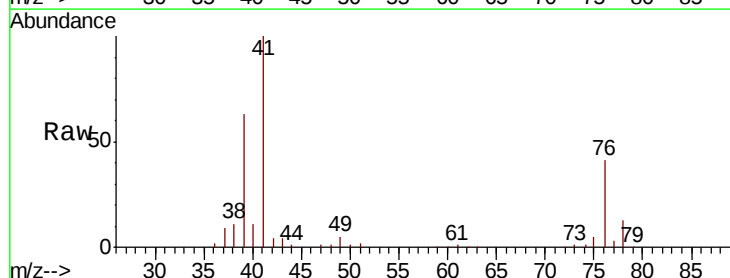
Tgt Ion: 41 Resp: 107600

Ion Ratio Lower Upper

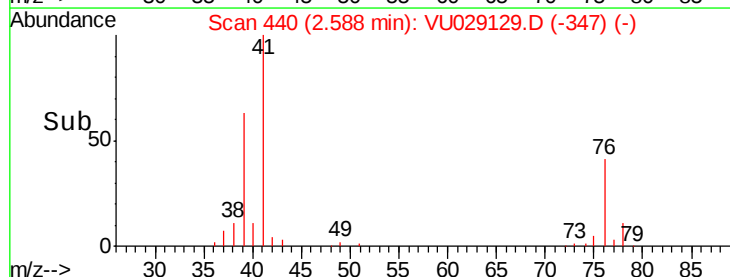
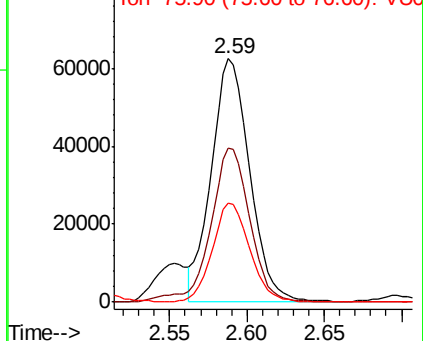
41 100

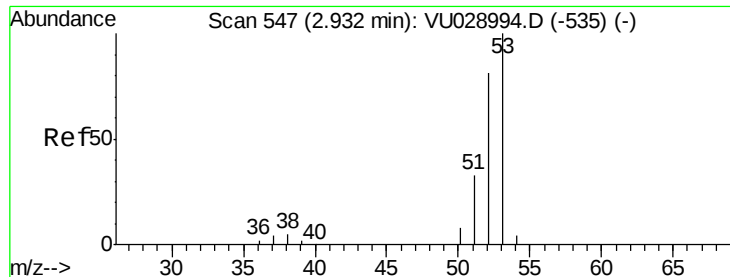
39 64.8 45.0 67.6

76 39.8 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VU029129.D (-347) (-)





#15

Acrylonitrile

Concen: 266.633 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

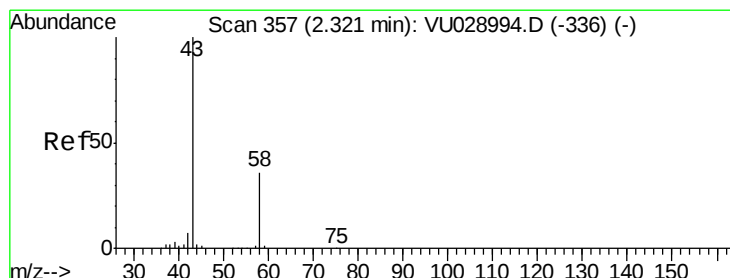
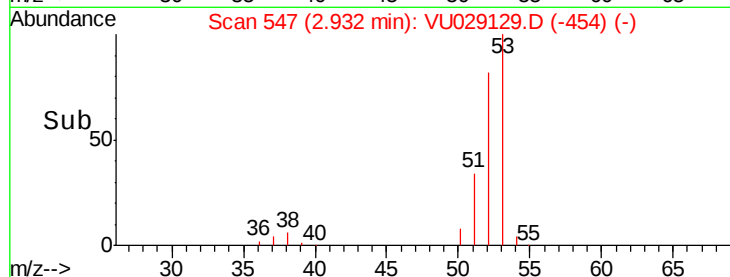
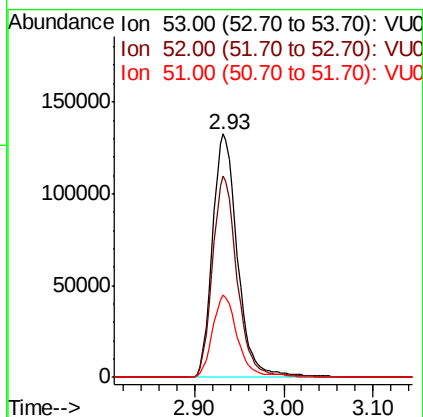
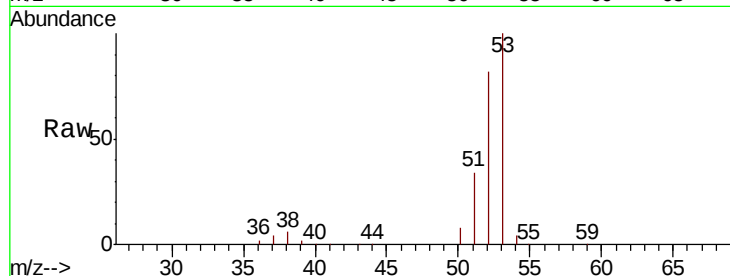
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	257282
Ion	Ratio	Lower	Upper
53	100		
52	81.3	64.8	97.2
51	34.1	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 206.204 ug/l

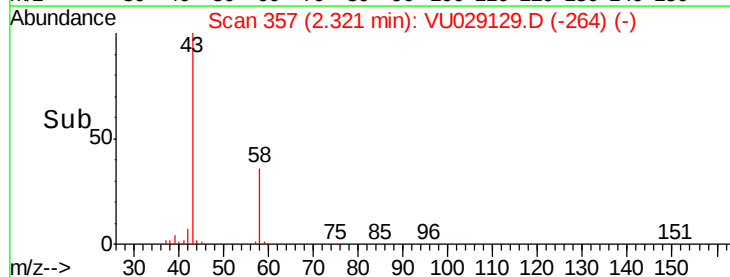
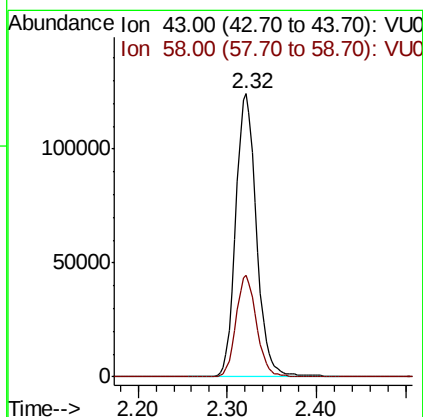
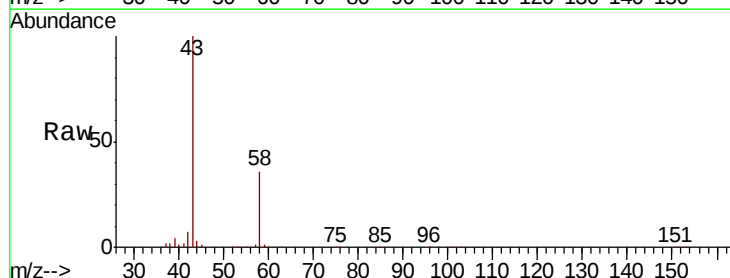
RT: 2.32 min Scan# 357

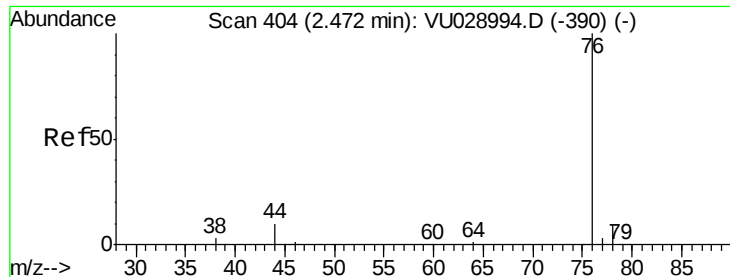
Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Tgt Ion:	43	Resp:	201001
Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	42.8





#17

Carbon Disulfide

Concen: 45.920 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 197597

Ion Ratio Lower Upper

76 100

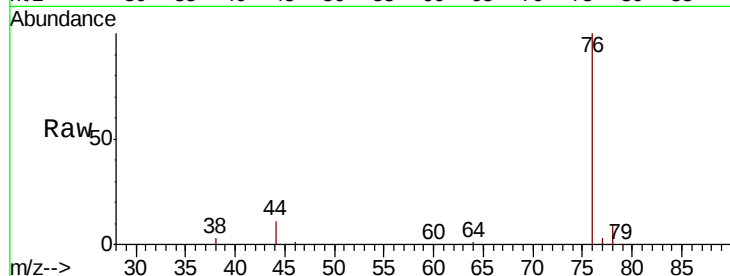
78 9.1 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU029129.D (-311) (-)

Ion 77.90 (77.60 to 78.60): VU029129.D (-311) (-)

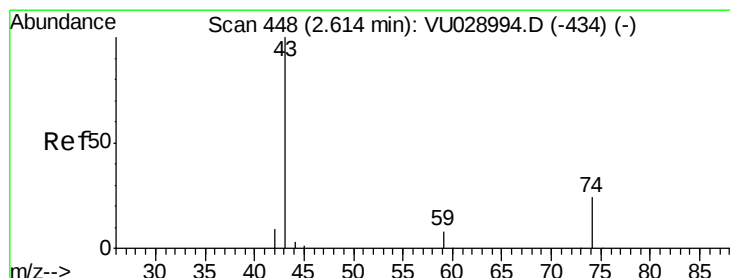
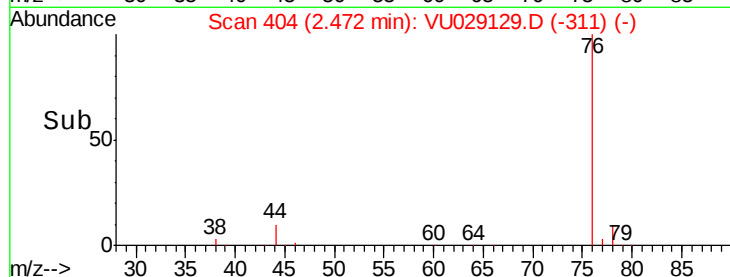
2.47

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 55.909 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029129.D

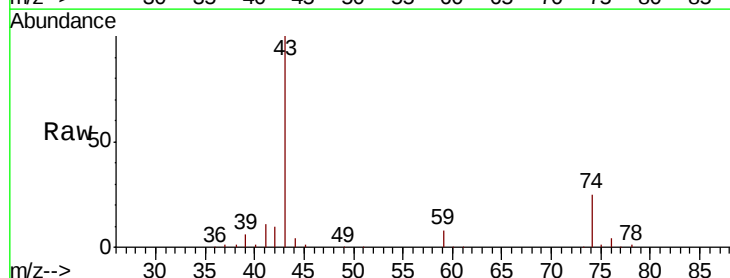
Acq: 10 Jan 2019 19:55

Tgt Ion: 43 Resp: 126718

Ion Ratio Lower Upper

43 100

74 24.7 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU029129.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU029129.D (-355) (-)

2.61

80000

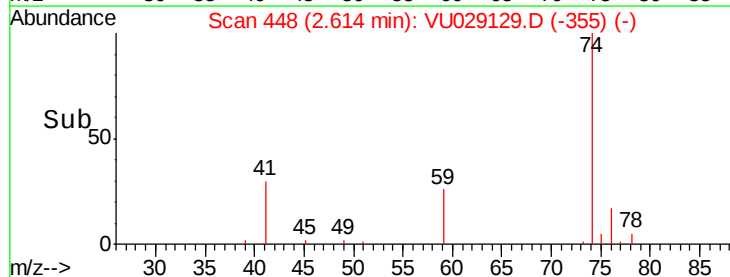
60000

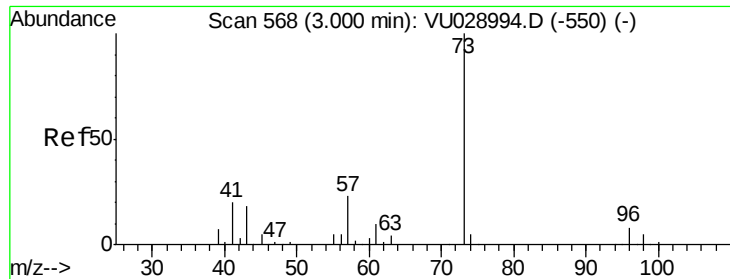
40000

20000

0

Time-->





#19

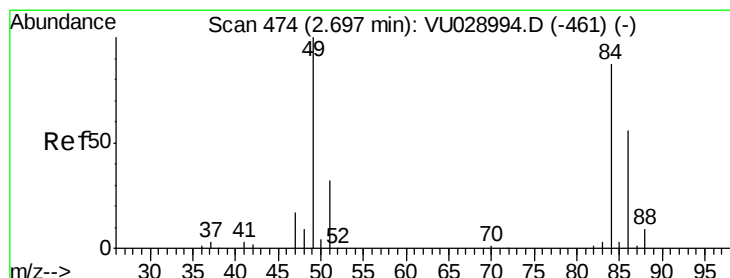
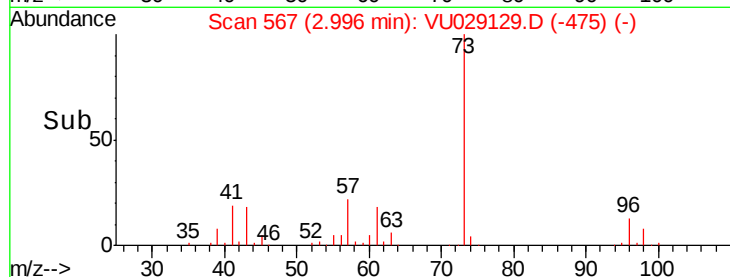
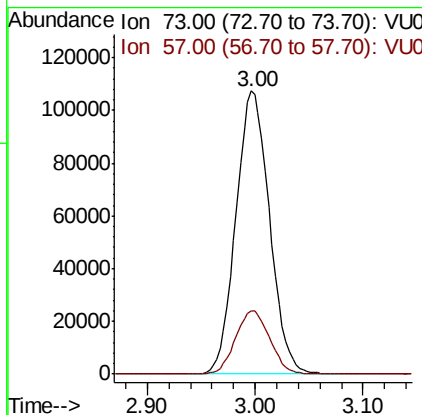
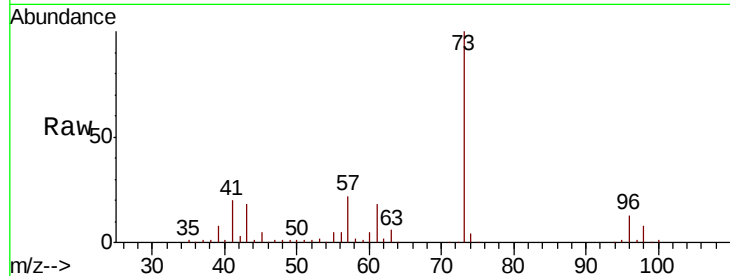
Methyl tert-butyl Ether
Concen: 50.866 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 232159
Ion Ratio Lower Upper
73 100
57 22.5 18.6 28.0

Manual Integrations
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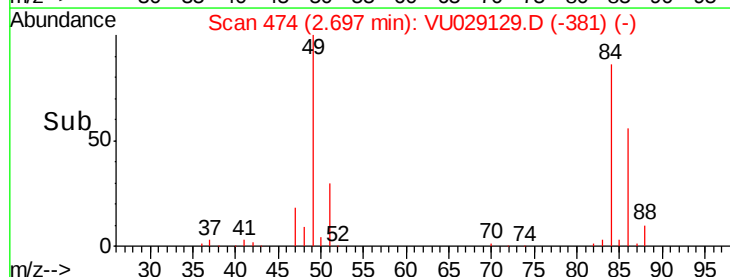
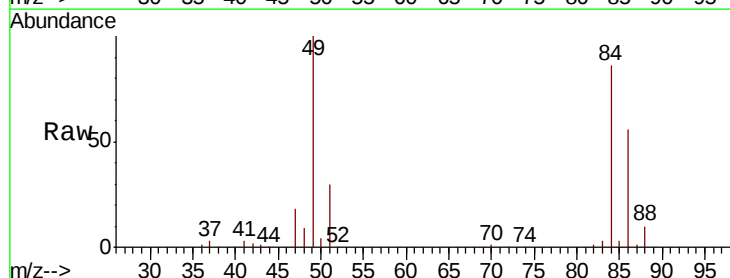
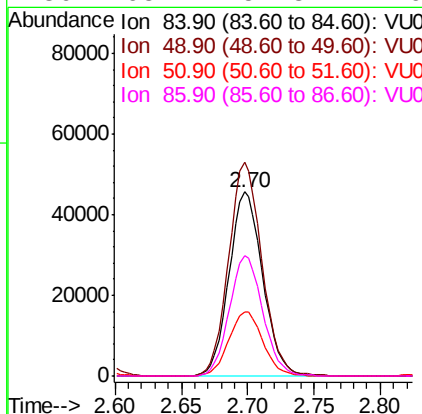
MMDadoda
1/11/2019 10:03:59 AM

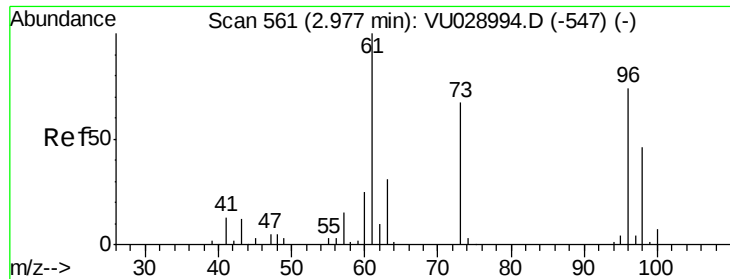


#20

Methylene Chloride
Concen: 48.830 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion: 84 Resp: 80814
Ion Ratio Lower Upper
84 100
49 115.9 91.9 137.9
51 35.1 29.2 43.8
86 65.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.740 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleID :

VSTDCCC050EC

Tgt Ion: 96 Resp: 70496

Ion Ratio Lower Upper

96 100

61 137.8 107.7 161.5

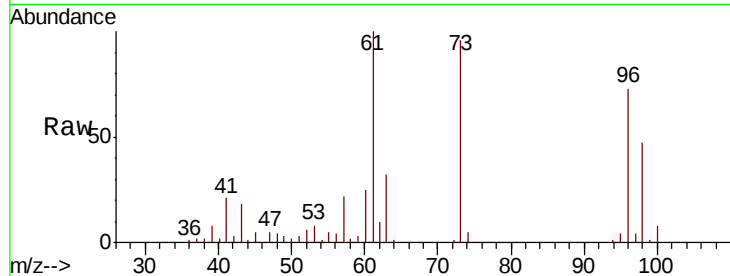
98 64.8 49.2 73.8

Manual Integrations

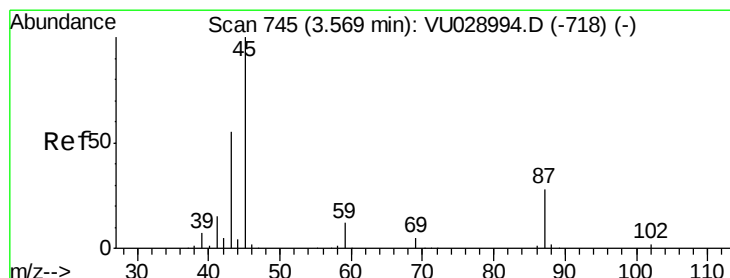
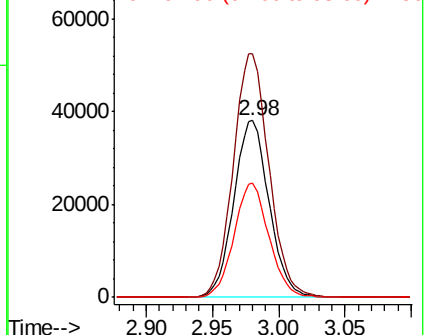
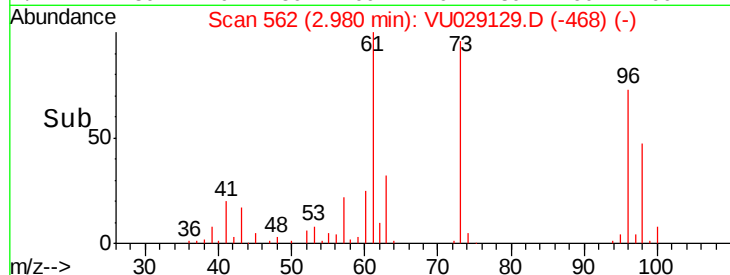
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Abundance Ion 95.90 (95.60 to 96.60): VU029129.D (-468) (-)



#22

Diisopropyl ether

Concen: 52.206 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Tgt Ion: 45 Resp: 245767

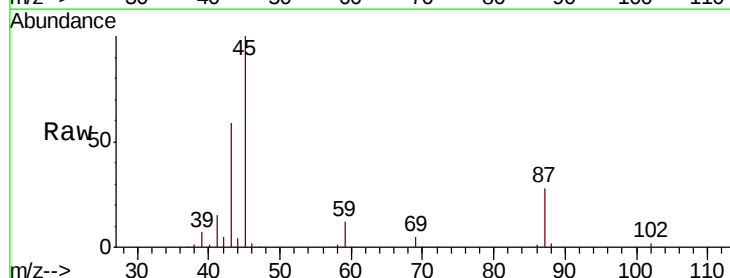
Ion Ratio Lower Upper

45 100

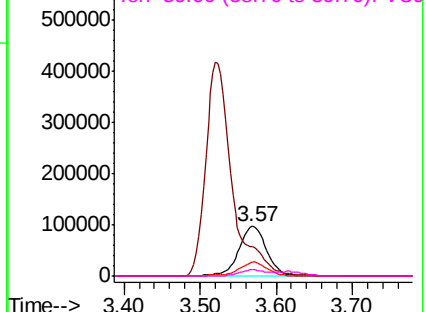
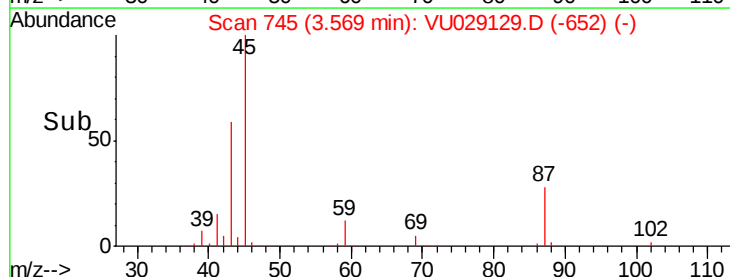
43 58.5 44.7 67.1

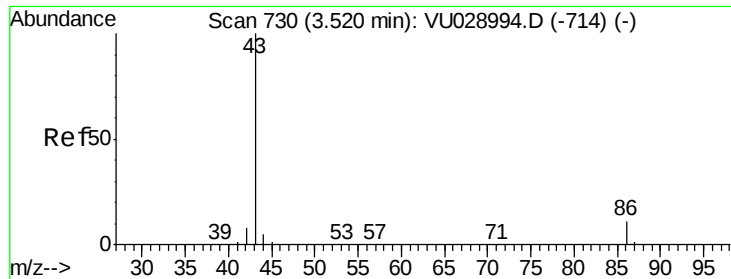
87 27.9 22.2 33.2

59 12.2 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VU029129.D (-652) (-)





#23

Vinyl Acetate

Concen: 261.630 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1006889

Ion Ratio Lower Upper

43 100

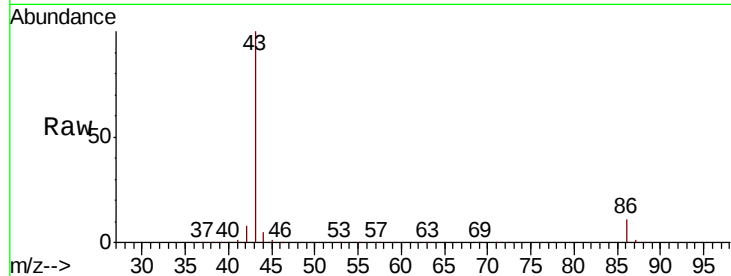
86 10.8 8.6 13.0

Manual Integrations

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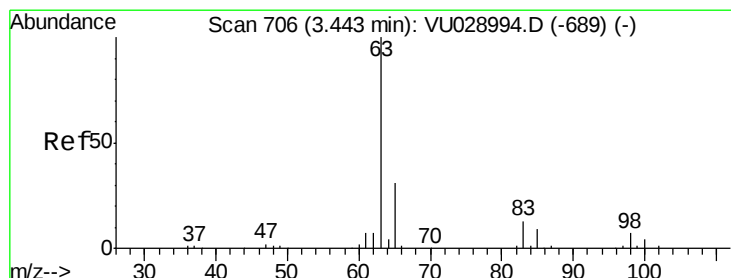
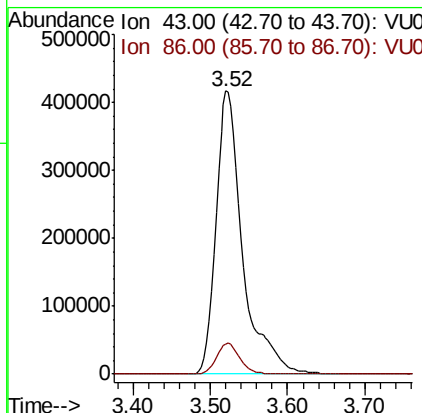
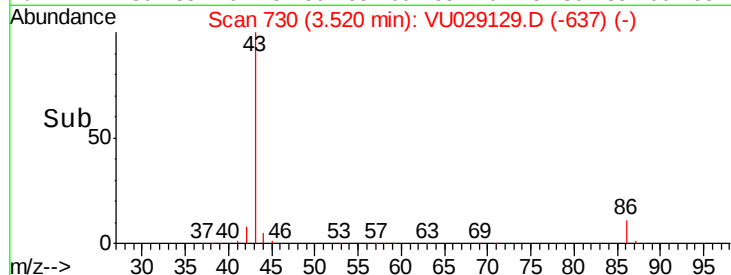


Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU028994.D (-714) (-)

3.52

Time-->



#24

1,1-Dichloroethane

Concen: 51.606 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

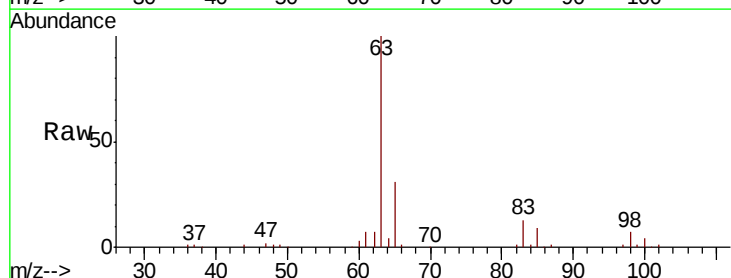
Tgt Ion: 63 Resp: 140245

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.2 2.0 5.8



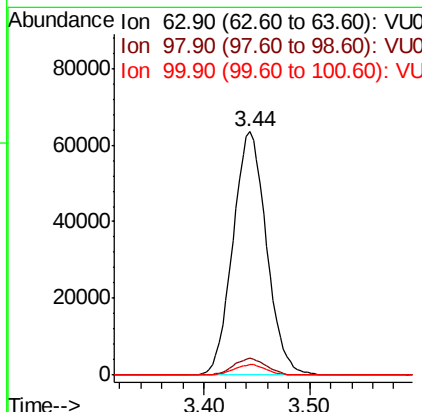
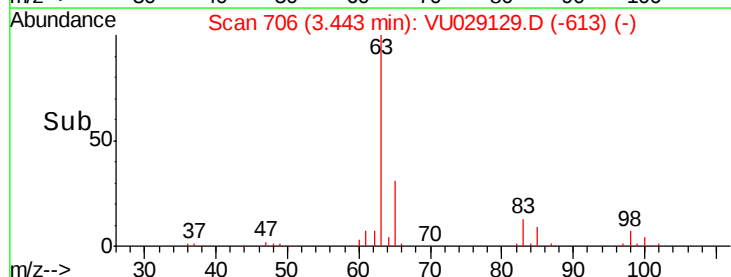
Abundance Ion 62.90 (62.60 to 63.60): VU028994.D (-689) (-)

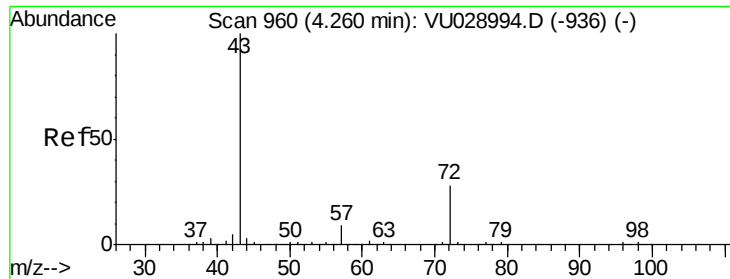
Ion 97.90 (97.60 to 98.60): VU028994.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU028994.D (-689) (-)

3.44

Time-->





#25

2-Butanone

Concen: 256.565 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 337785

Ion Ratio Lower Upper

43 100

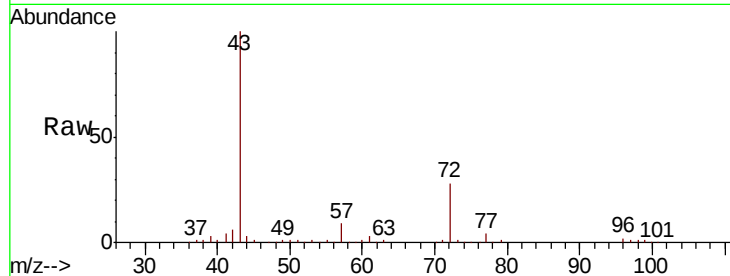
72 27.8 22.6 33.8

Manual Integrations

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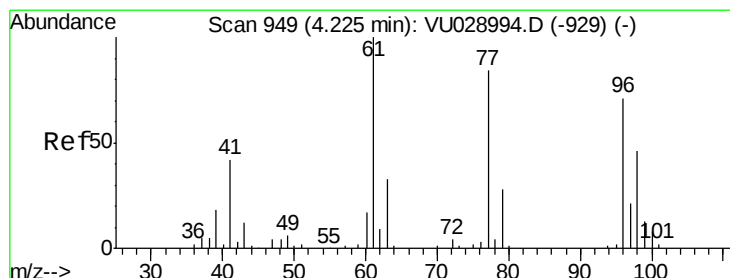
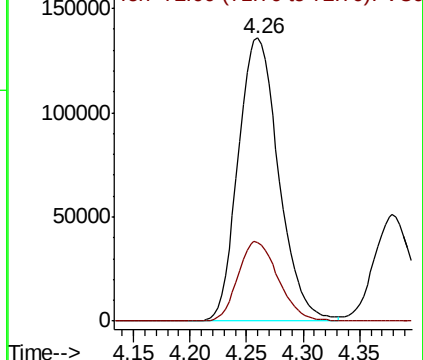
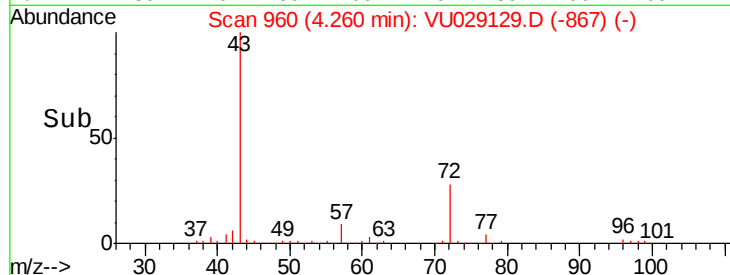
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Abundance Ion 43.00 (42.70 to 43.70): VU029129.D (-867) (-)

Ion 72.00 (71.70 to 72.70): VU029129.D (-867) (-)



#26

2,2-Dichloropropane

Concen: 46.724 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029129.D

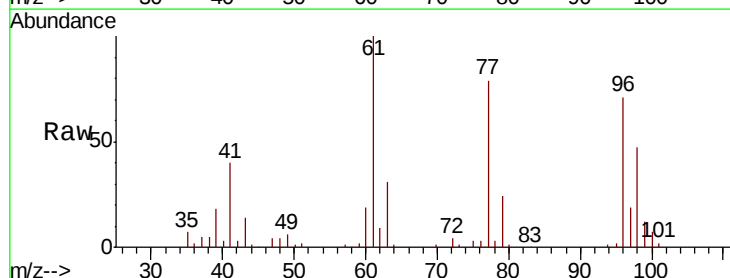
Acq: 10 Jan 2019 19:55

Tgt Ion: 77 Resp: 102600

Ion Ratio Lower Upper

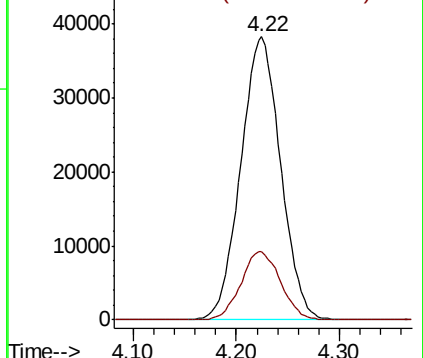
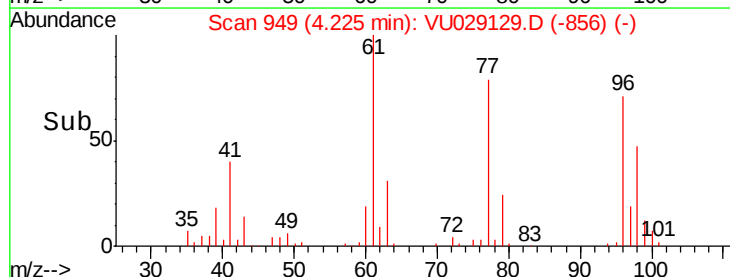
77 100

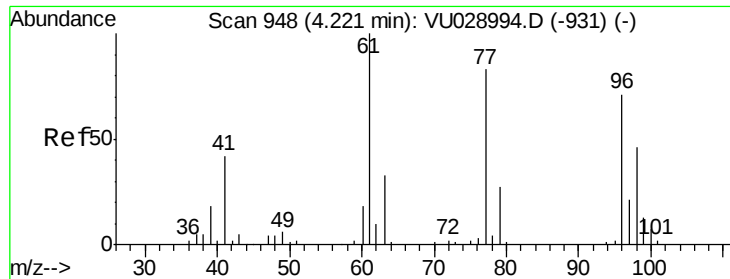
97 23.8 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU029129.D (-856) (-)

Ion 96.90 (96.60 to 97.60): VU029129.D (-856) (-)





#27

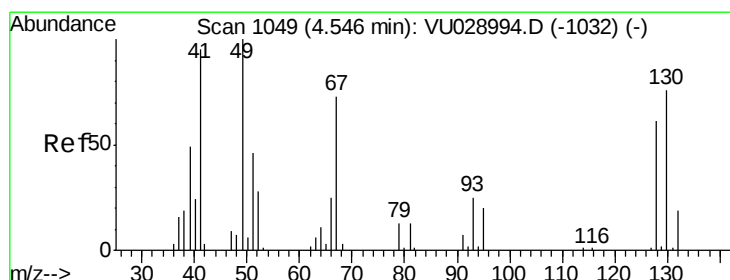
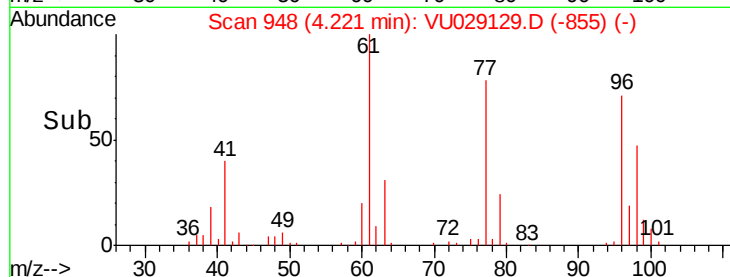
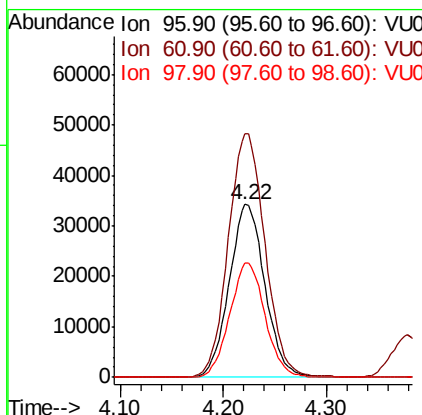
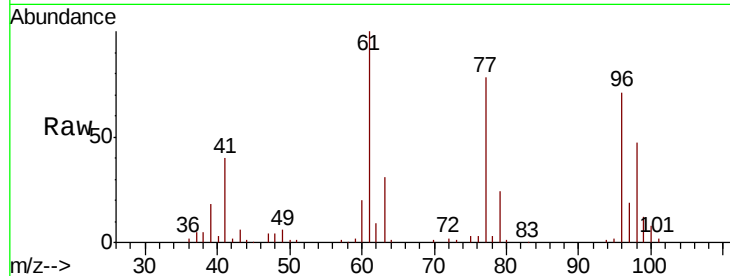
cis-1,2-Dichloroethene
Concen: 49.943 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	285.6
98	65.8	0.0	130.2

Manual Integrations
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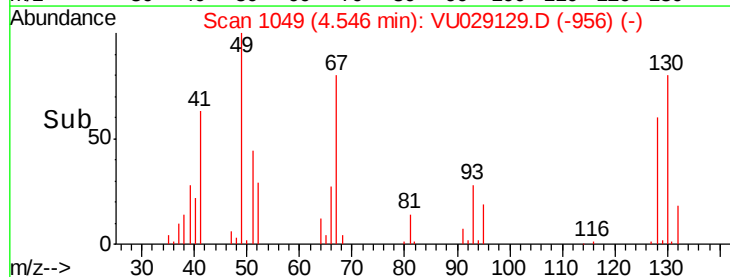
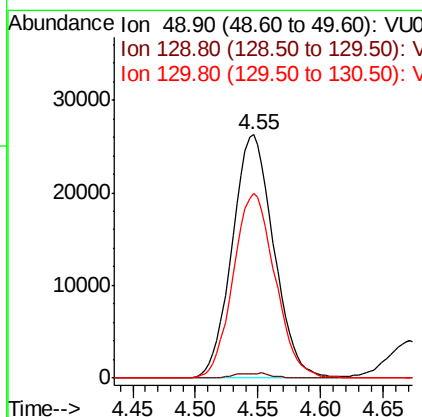
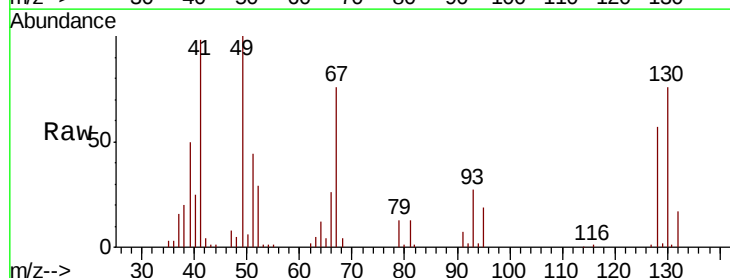
MMDadoda
1/11/2019 10:03:59 AM

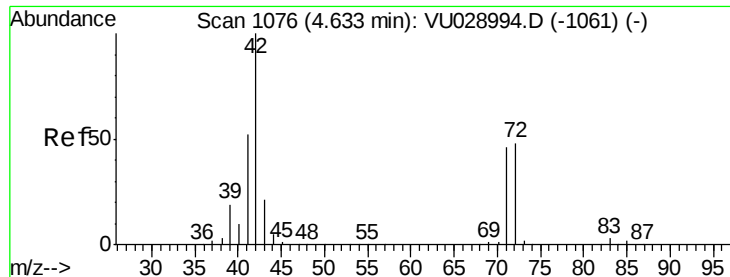


#28

Bromochloromethane
Concen: 52.132 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	76.3	62.9	94.3





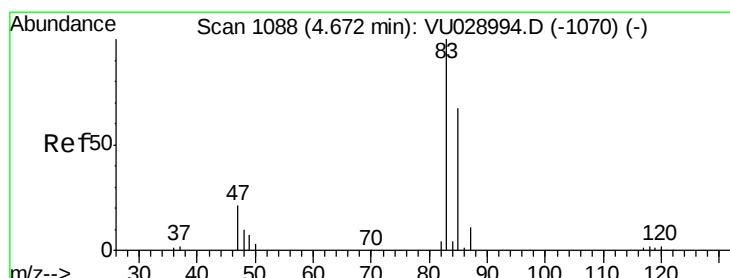
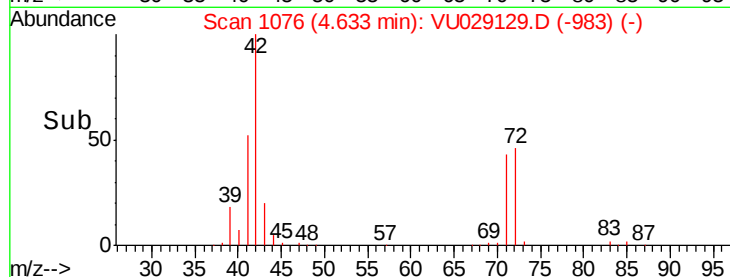
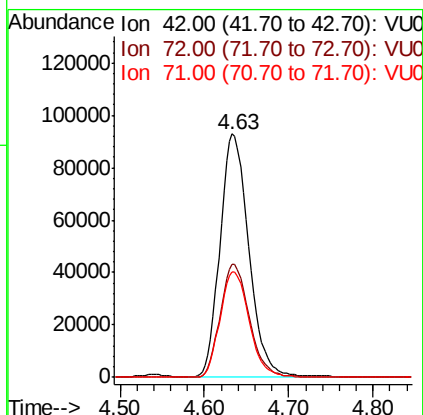
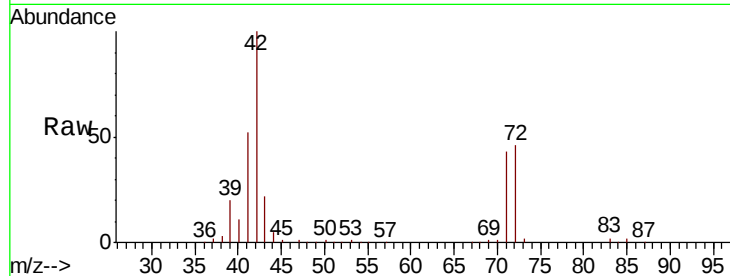
#29
Tetrahydrofuran
Concen: 275.742 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.1	38.3	57.5
71	43.9	36.1	54.1

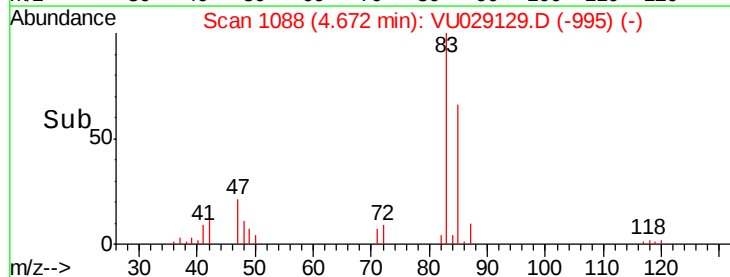
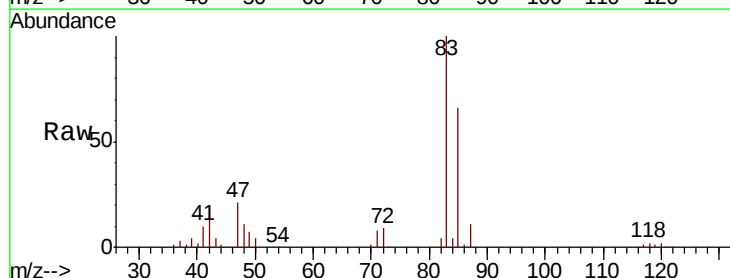
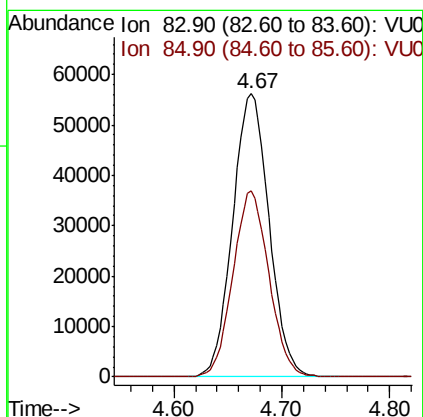
Manual Integrations
APPROVED

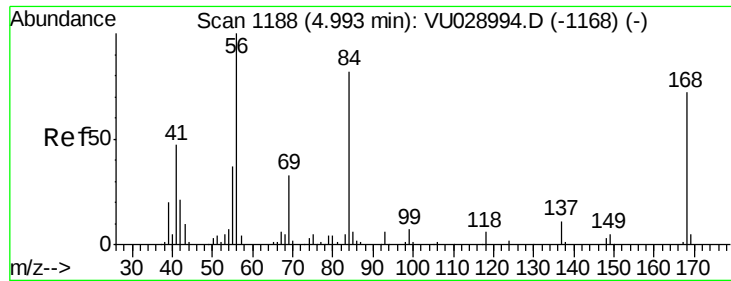
MMDadoda
1/11/2019 10:03:59 AM



#30
Chloroform
Concen: 51.042 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.4	80.0





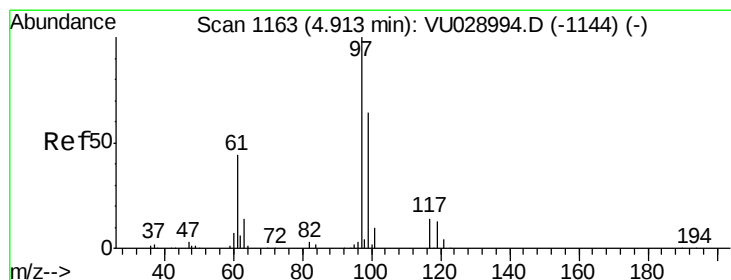
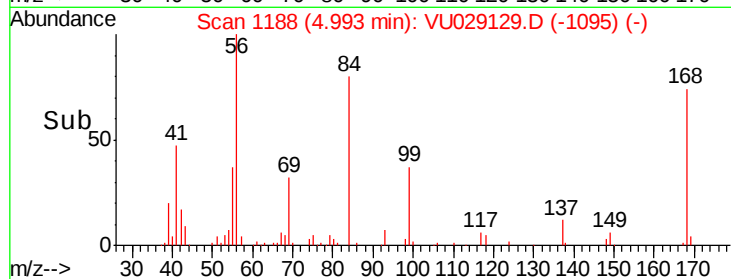
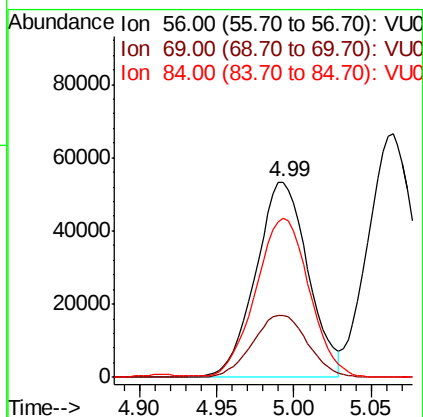
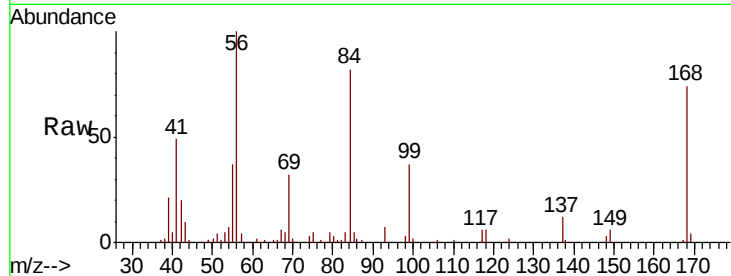
#31
Cyclohexane
Concen: 48.893 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.7	26.7	40.1
84	80.9	65.7	98.5

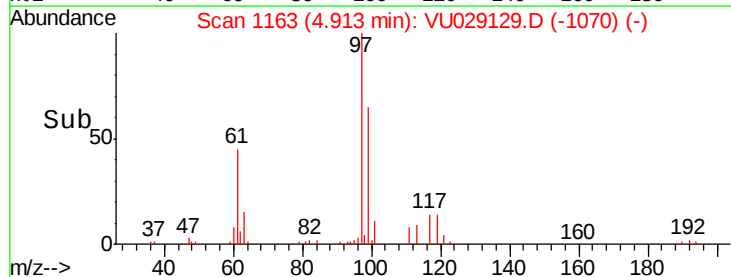
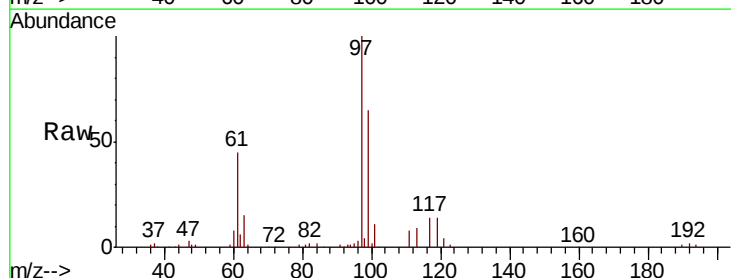
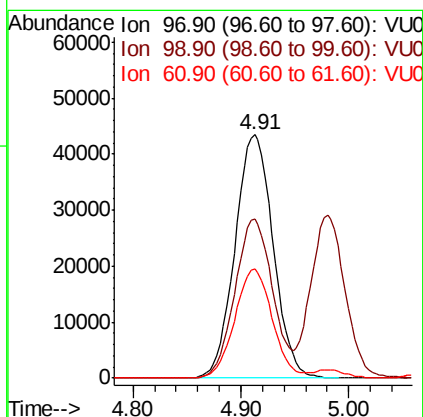
Manual Integrations
APPROVED

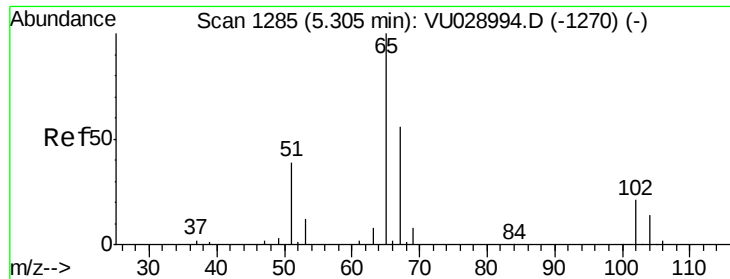
MMDadoda
1/11/2019 10:03:59 AM



#32
1,1,1-Trichloroethane
Concen: 49.971 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	43.9	34.4	51.6





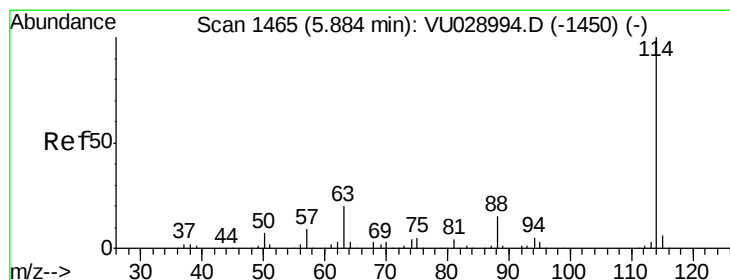
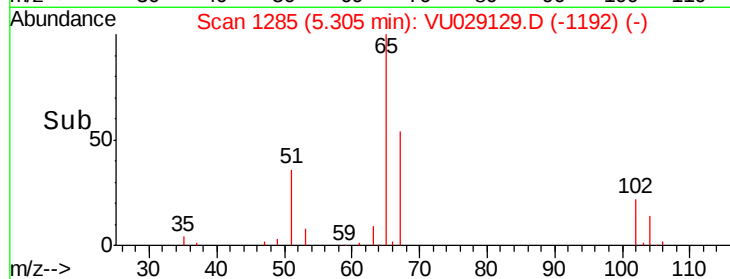
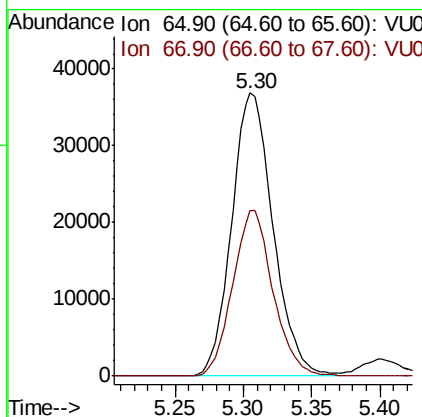
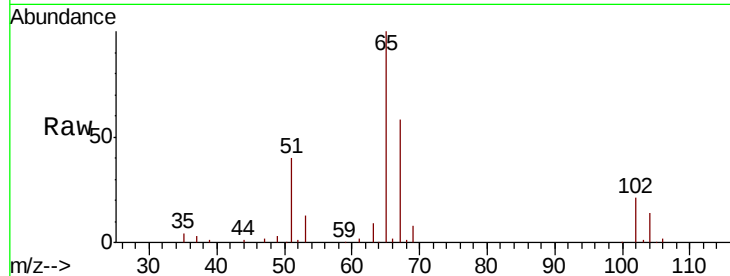
#33
 1,2-Dichloroethane-d4
 Concen: 50.207 ug/l
 RT: 5.30 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU029129.D
 Acq: 10 Jan 2019 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 77688
 Ion Ratio Lower Upper
 65 100
 67 56.8 0.0 111.0

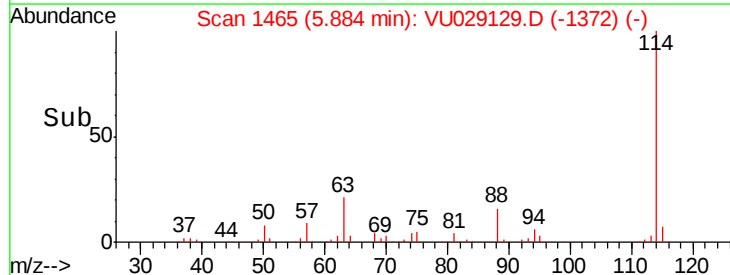
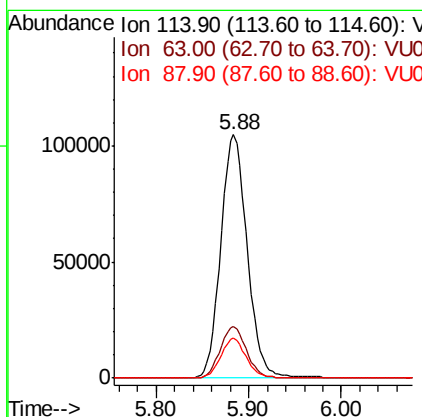
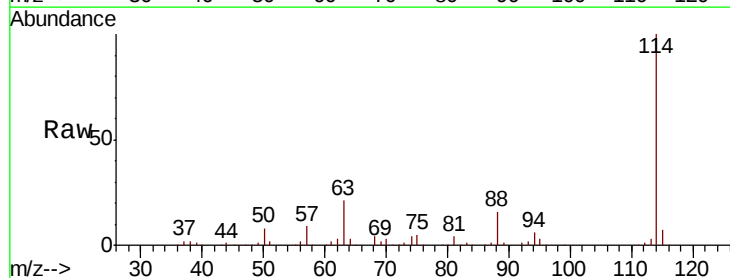
Manual Integrations
 APPROVED

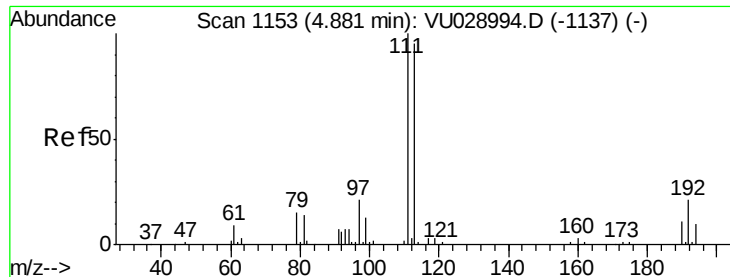
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 1/11/2019 10:03:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029129.D
 Acq: 10 Jan 2019 19:55

Tgt Ion: 114 Resp: 207685
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.2
 88 16.3 0.0 30.4





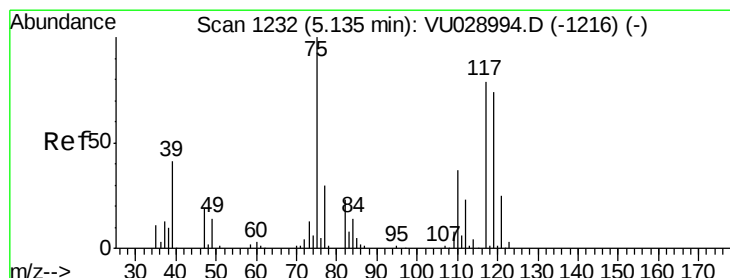
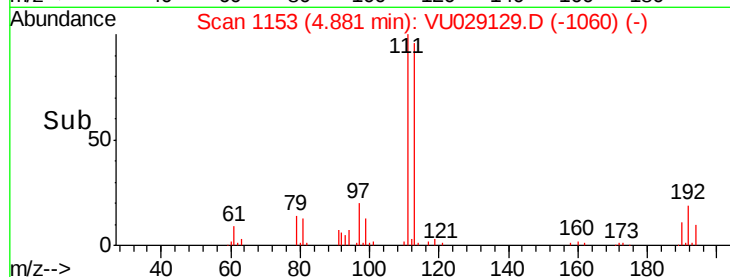
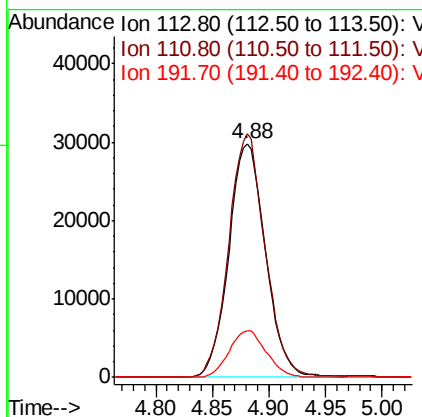
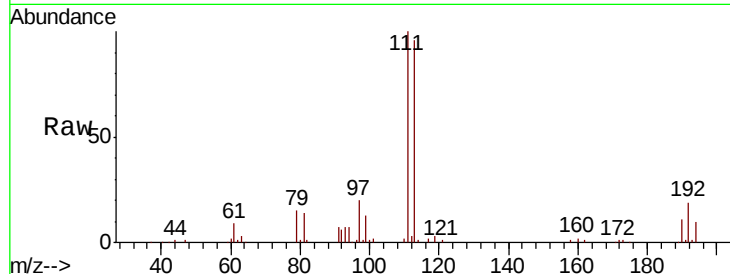
#35
Dibromofluoromethane
Concen: 49.978 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.2
192	20.3	16.8	25.2

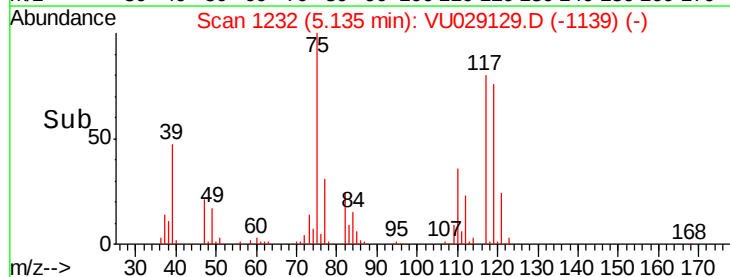
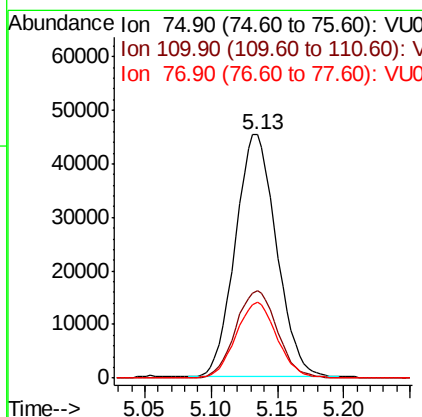
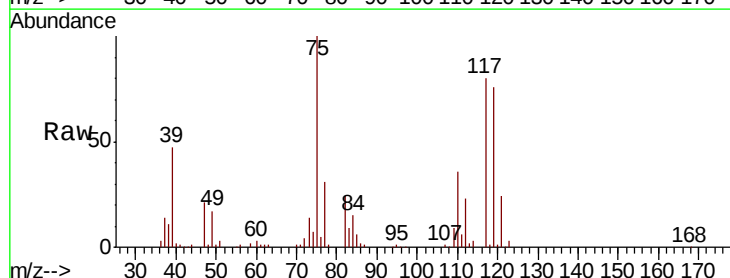
Manual Integrations
APPROVED

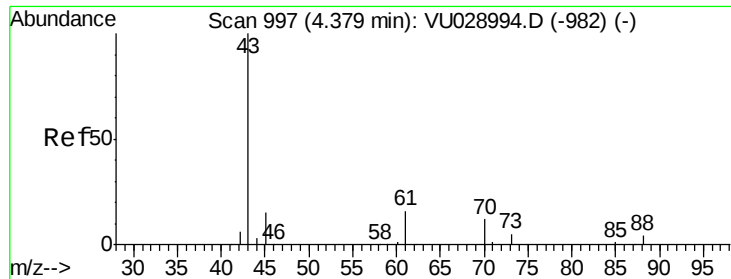
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#36
1,1-Dichloropropene
Concen: 46.946 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.4	55.4
77	31.5	25.1	37.7





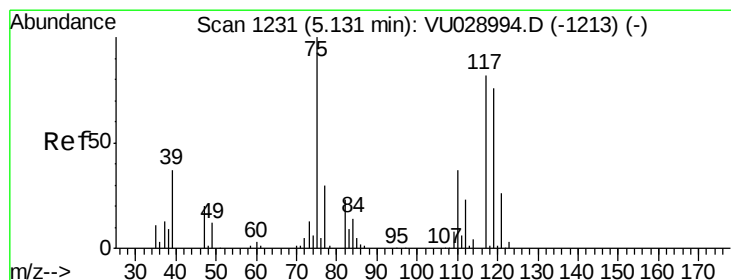
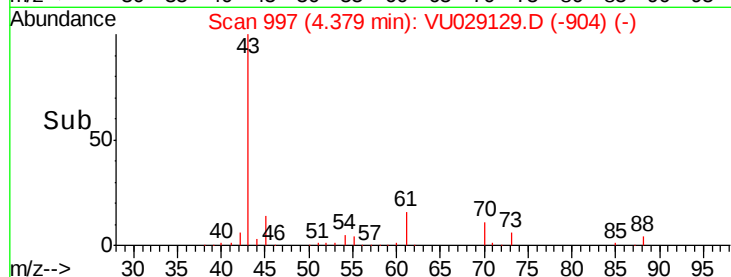
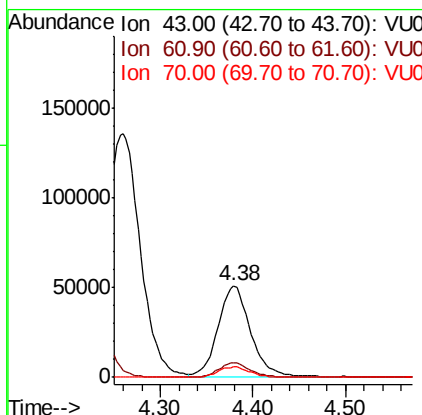
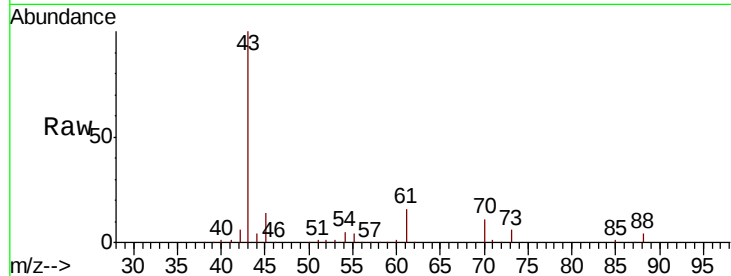
#37
Ethyl Acetate
Concen: 53.675 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.6	18.8
70	11.4	9.3	13.9

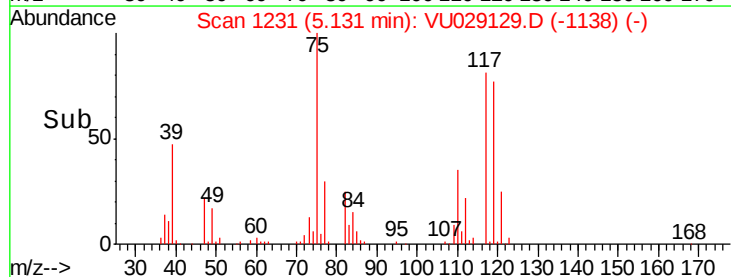
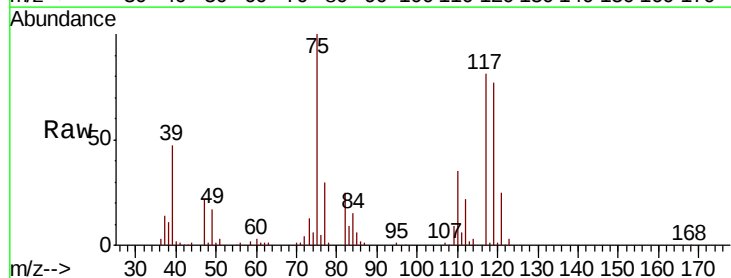
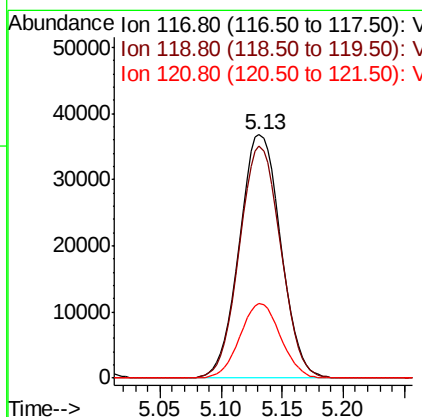
Manual Integrations
APPROVED

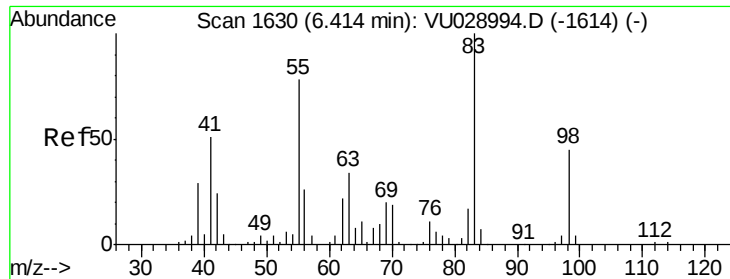
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1/11/2019 10:03:59 AM



#38
Carbon Tetrachloride
Concen: 49.978 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	74.6	111.8
121	30.4	25.0	37.6





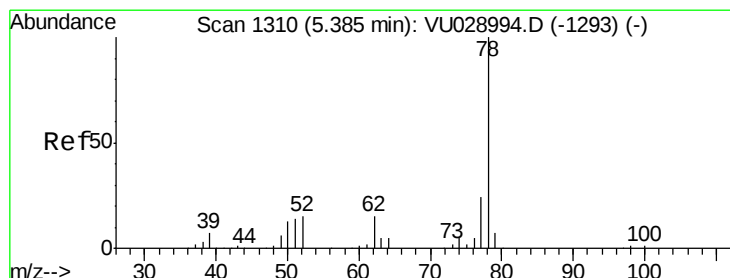
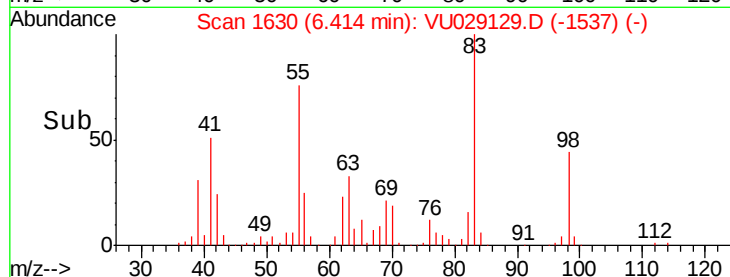
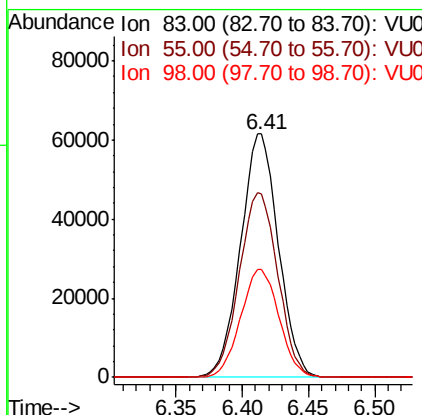
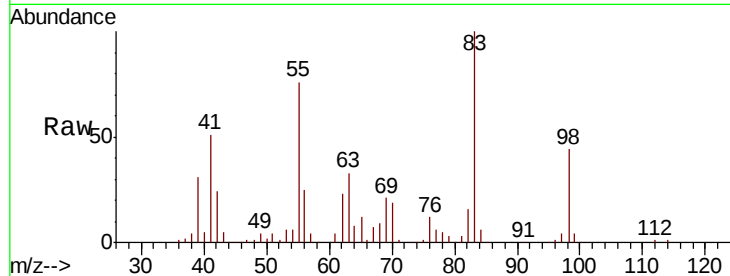
#39
Methylcyclohexane
Concen: 47.845 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	122102		
55	75.5	62.4	93.6	
98	44.2	36.2	54.2	

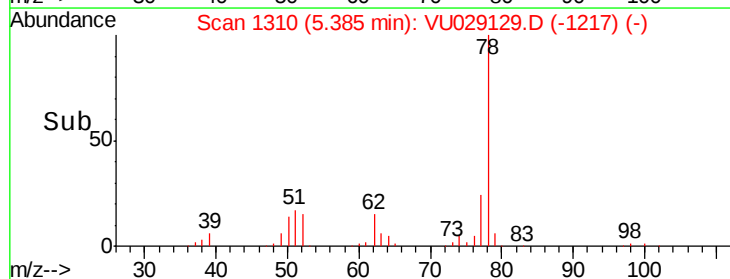
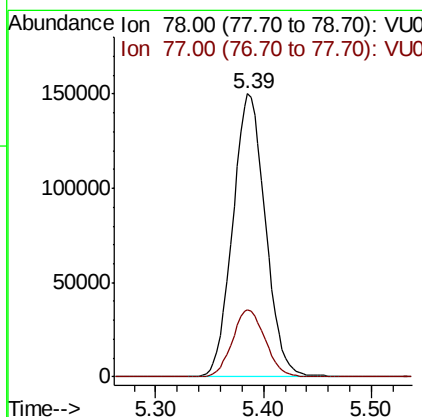
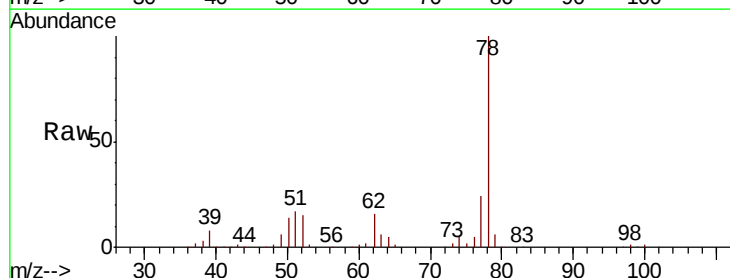
Manual Integrations
APPROVED

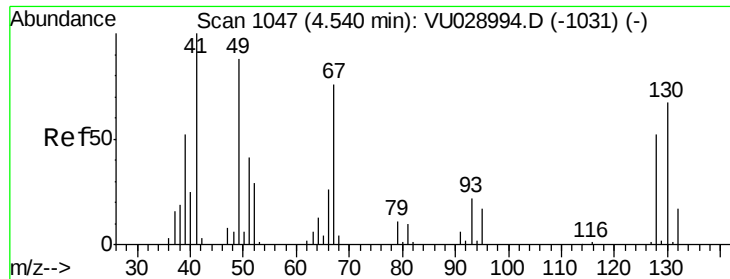
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#40
Benzene
Concen: 48.886 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	316552		
77	23.7	18.9	28.3	





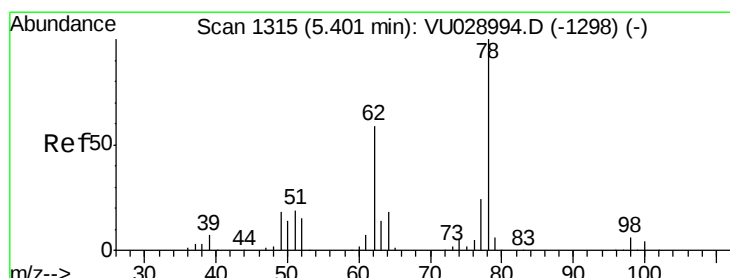
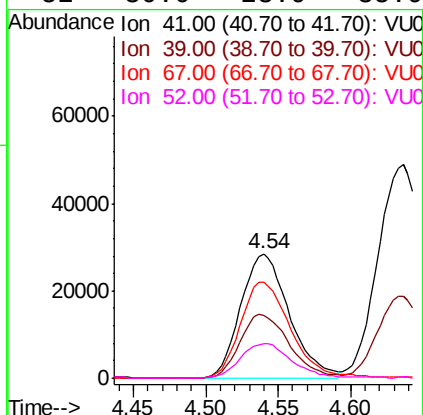
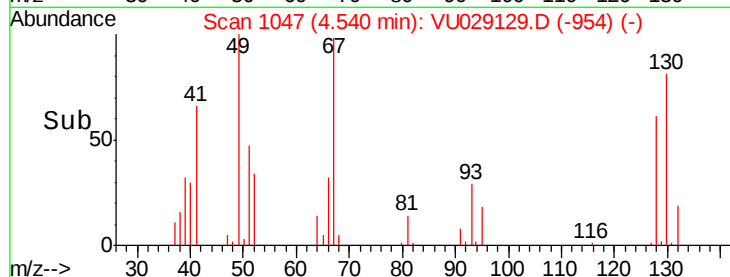
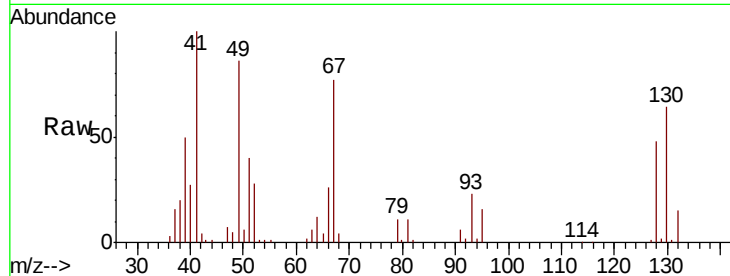
#41
Methacrylonitrile
Concen: 54.287 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.3	63.5	
67	80.6	64.4	96.6	
52	30.0	23.9	35.9	

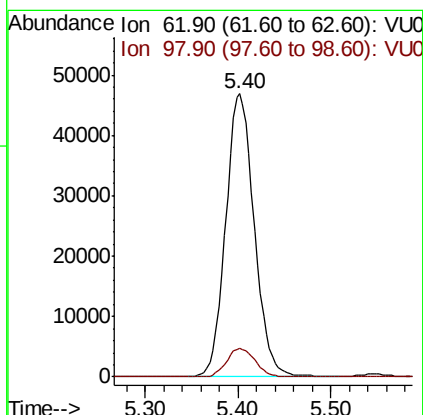
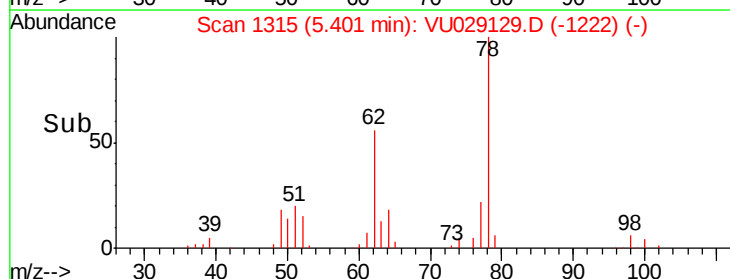
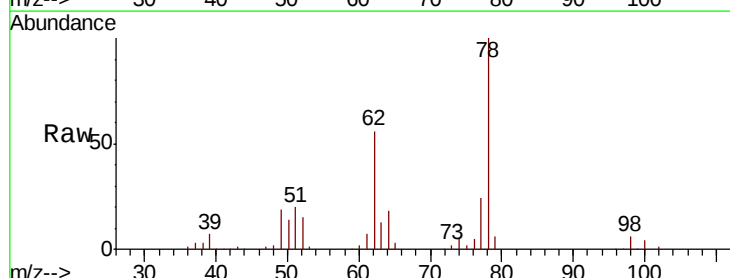
Manual Integrations
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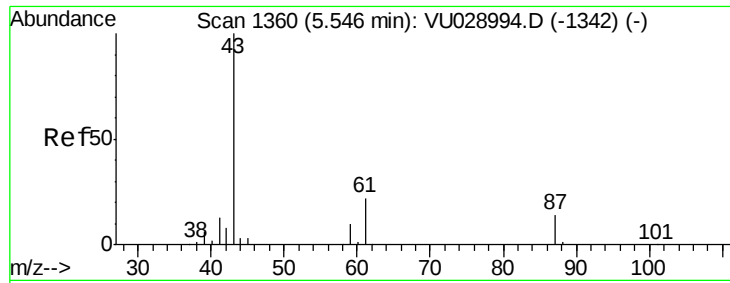
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.385 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.6	





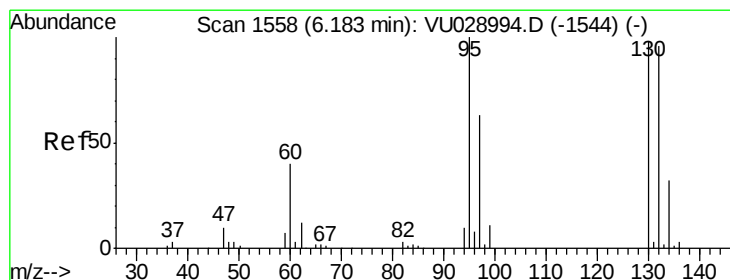
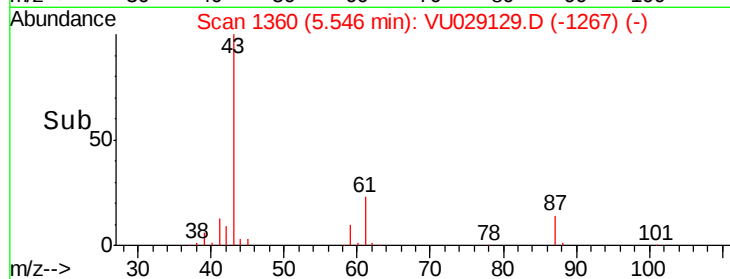
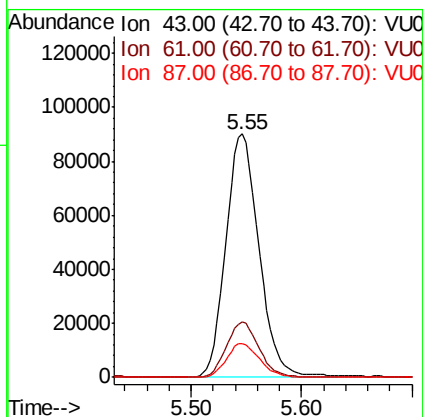
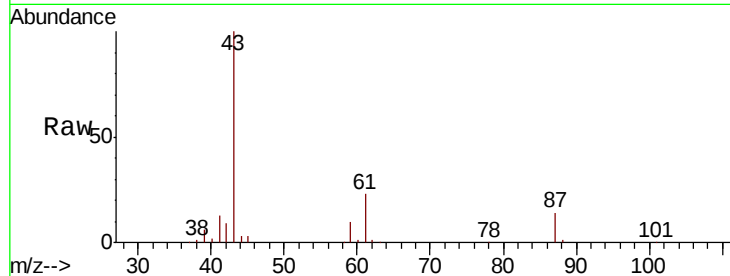
#43
Isopropyl Acetate
Concen: 53.482 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.6	17.8	26.6
87	13.8	11.3	16.9

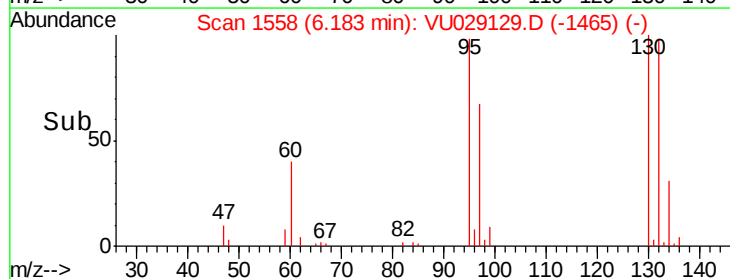
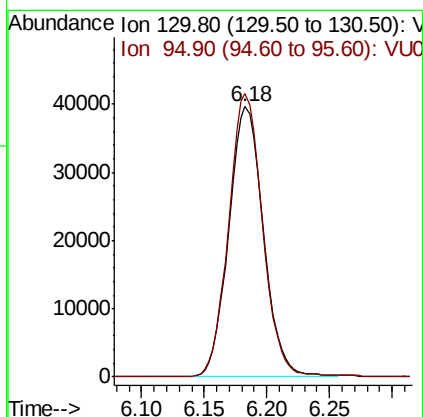
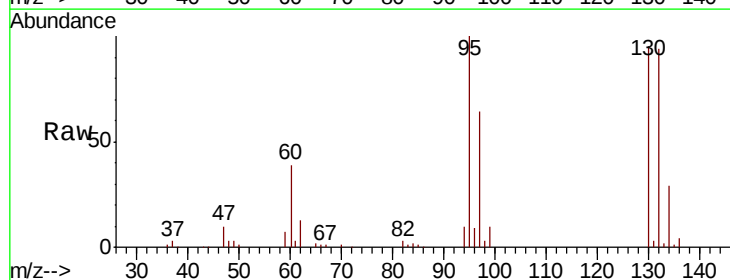
Manual Integrations
APPROVED

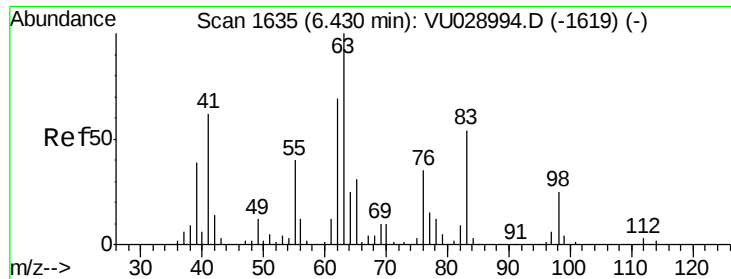
MMDadoda
1/11/2019 10:03:59 AM



#44
Trichloroethene
Concen: 47.453 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	205.0





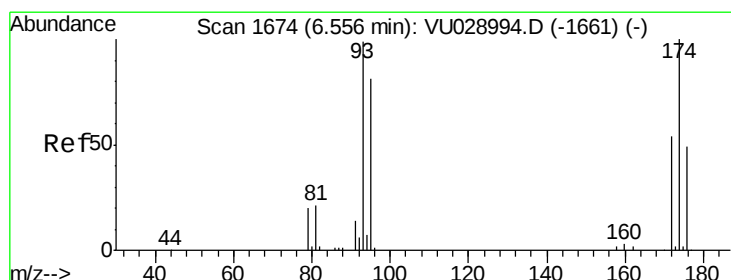
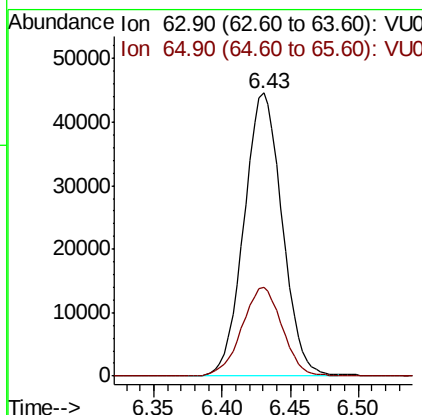
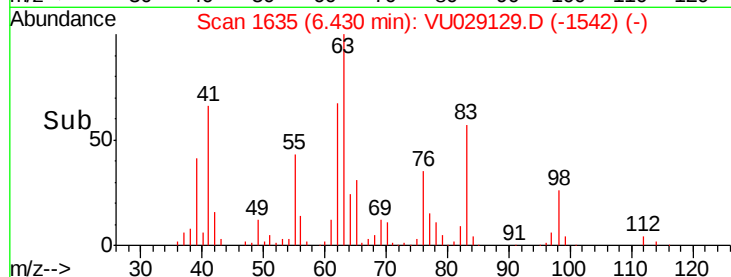
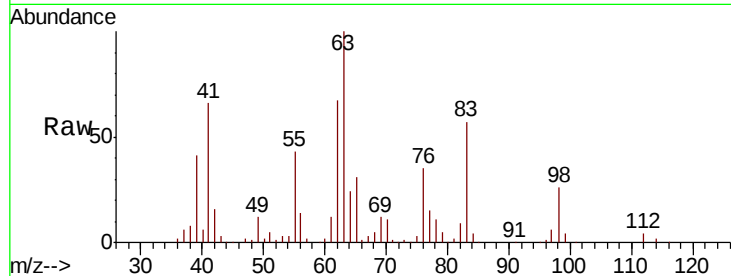
#45
1,2-Dichloropropane
Concen: 50.692 ug/l
RT: 6.43 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 86683
Ion Ratio Lower Upper
63 100
65 31.5 25.1 37.7

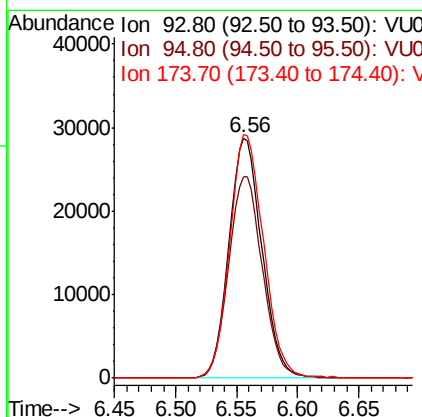
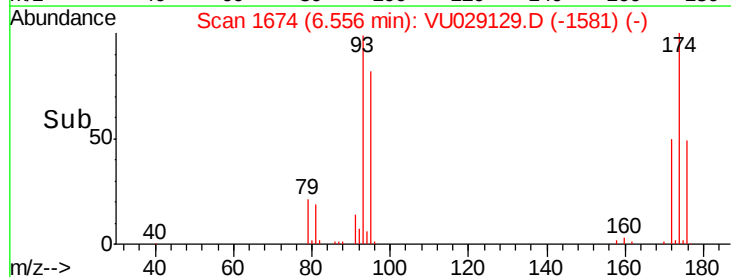
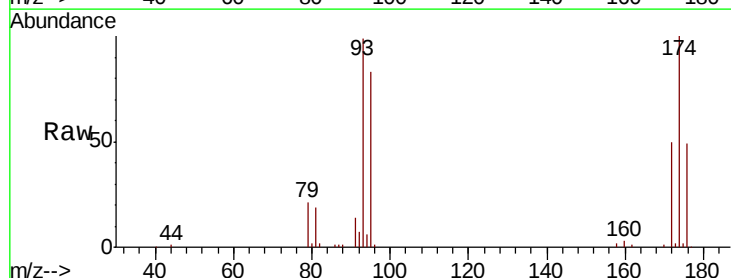
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#46
Dibromomethane
Concen: 49.631 ug/l
RT: 6.56 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion: 93 Resp: 54253
Ion Ratio Lower Upper
93 100
95 85.9 67.2 100.8
174 103.9 82.6 123.8





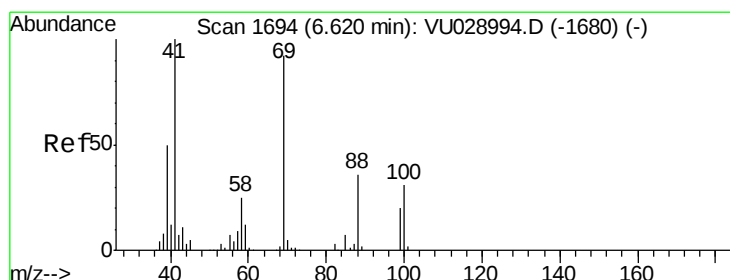
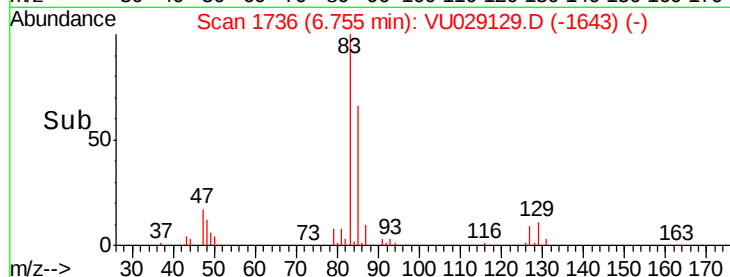
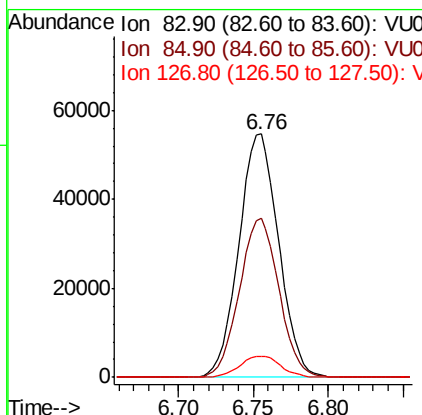
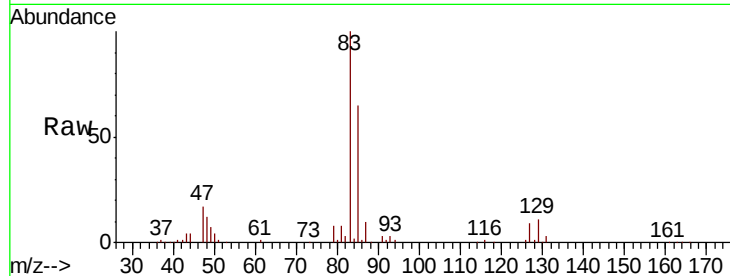
#47
Bromodichloromethane
Concen: 50.332 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2
127	8.7	7.0	10.4

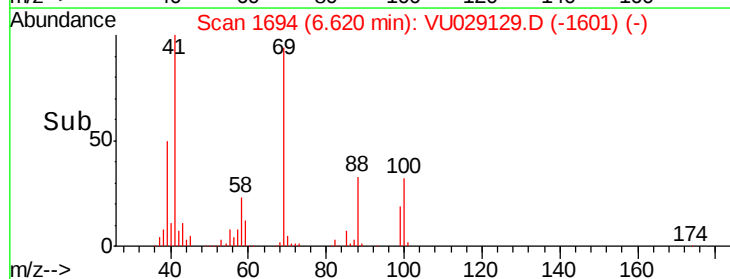
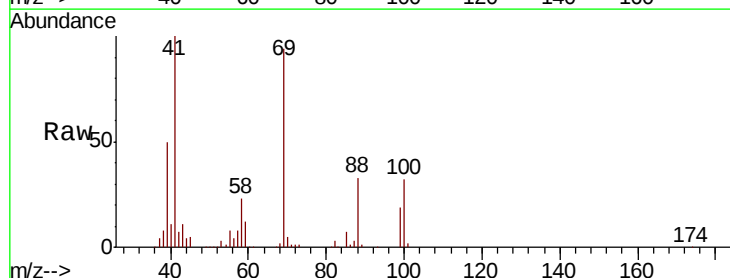
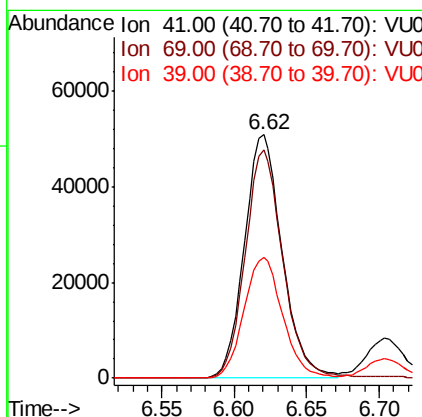
Manual Integrations
APPROVED

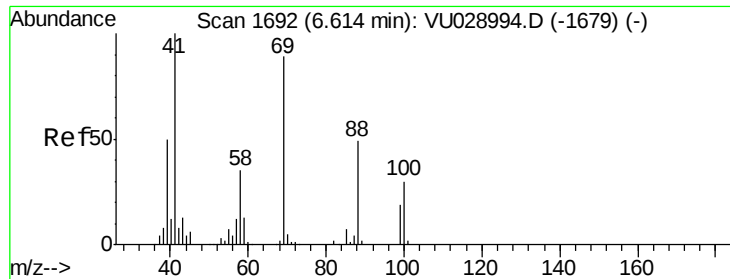
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#48
Methyl methacrylate
Concen: 54.281 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.2	73.6	110.4
39	50.8	39.6	59.4





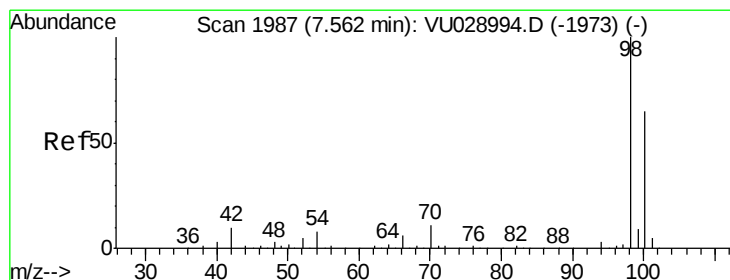
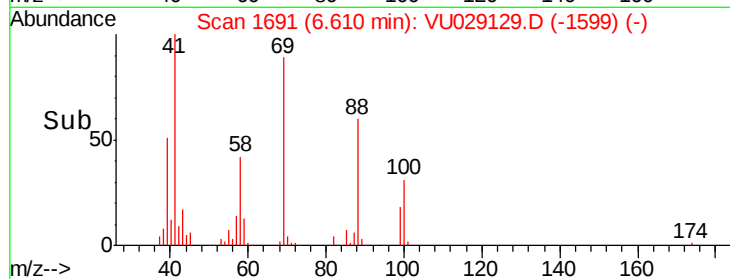
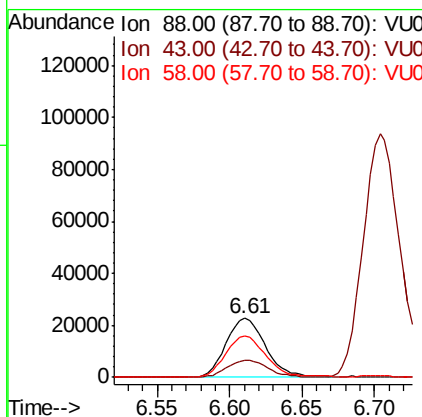
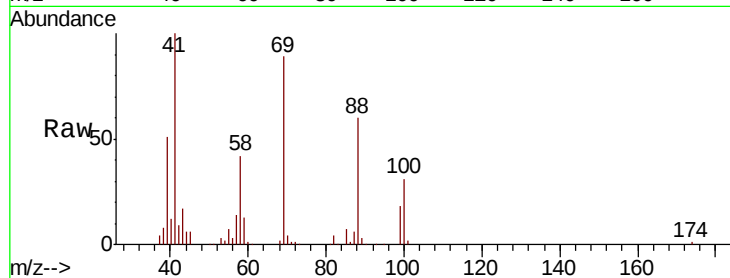
#49
1,4-Dioxane
Concen: 1056.030 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.3	23.0	34.4
58	72.9	57.9	86.9

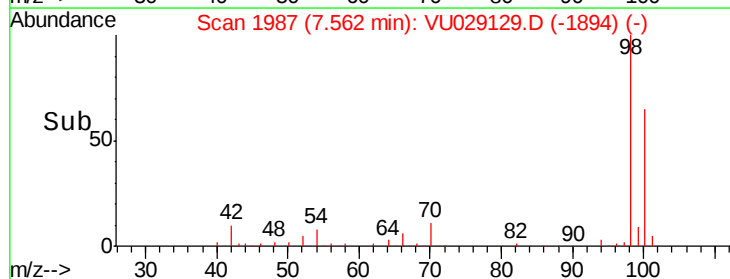
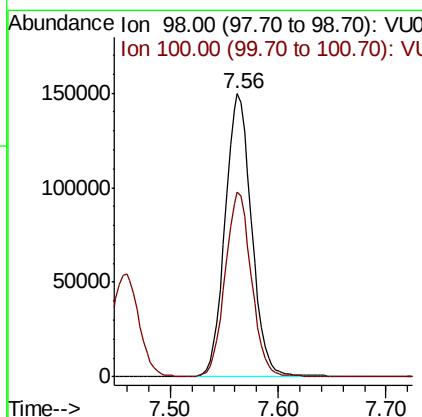
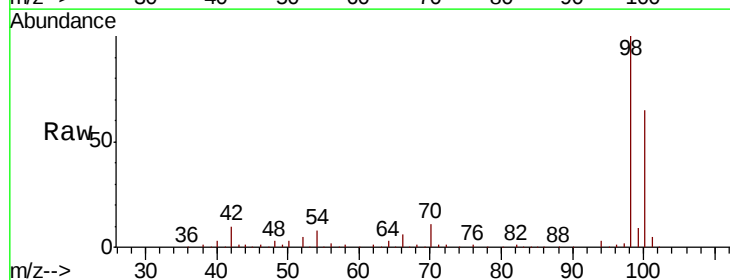
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#50
Toluene-d8
Concen: 48.302 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 267.675 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 636756

Ion Ratio Lower Upper

43 100

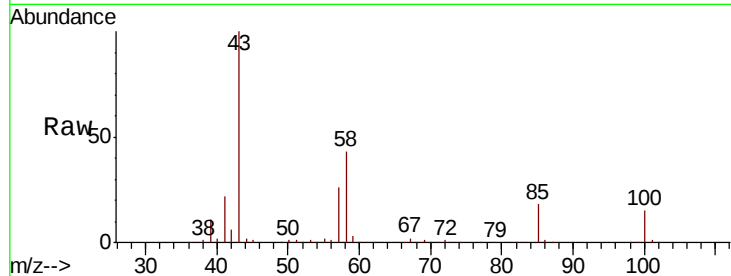
58 42.7 33.9 50.9

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Abundance Ion 43.00 (42.70 to 43.70): VU029129.D (-1862) (-)

Ion 58.00 (57.70 to 58.70): VU029129.D (-1862) (-)

7.46

400000

300000

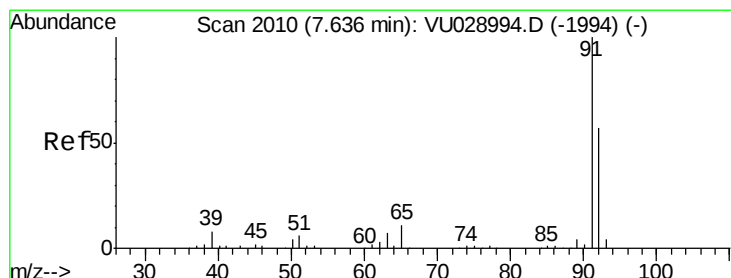
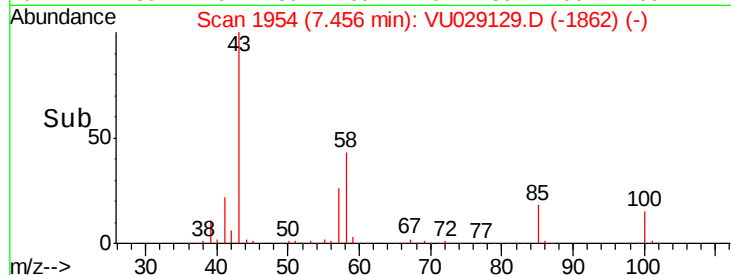
200000

100000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 49.250 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029129.D

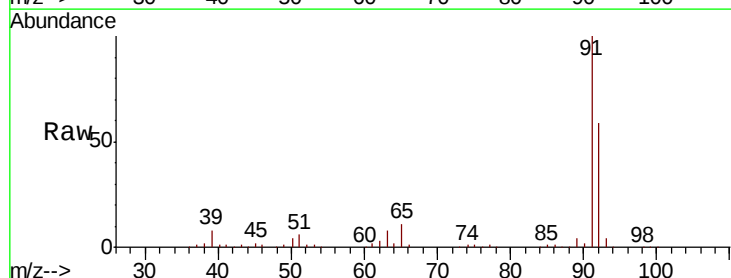
Acq: 10 Jan 2019 19:55

Tgt Ion: 92 Resp: 194144

Ion Ratio Lower Upper

92 100

91 173.7 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU029129.D (-1917) (-)

Ion 91.00 (90.70 to 91.70): VU029129.D (-1917) (-)

7.63

200000

150000

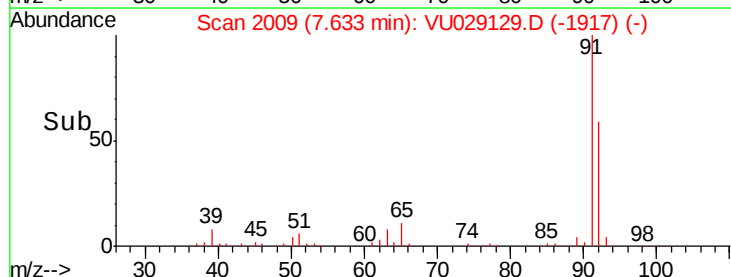
100000

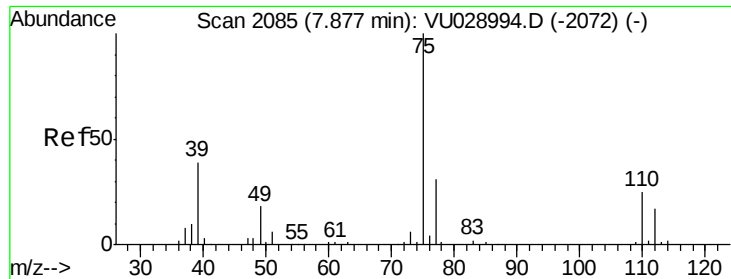
50000

0

7.55 7.60 7.65 7.70 7.75

Time-->





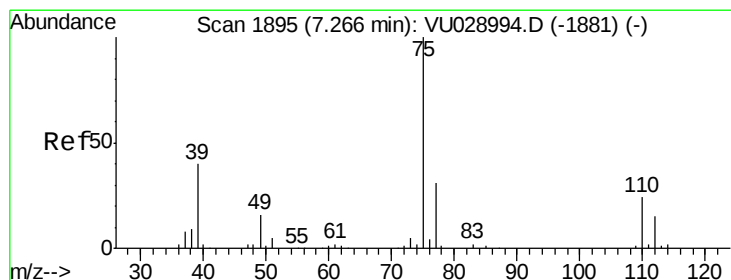
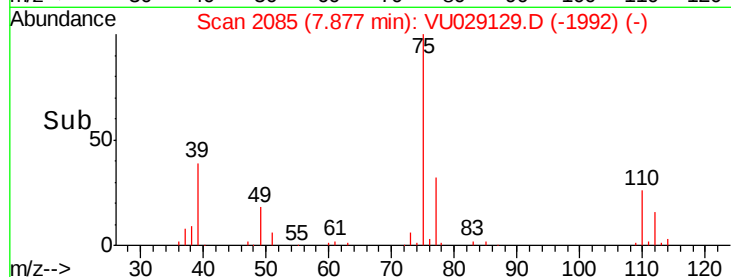
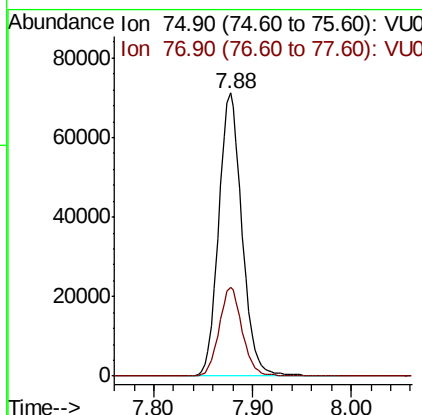
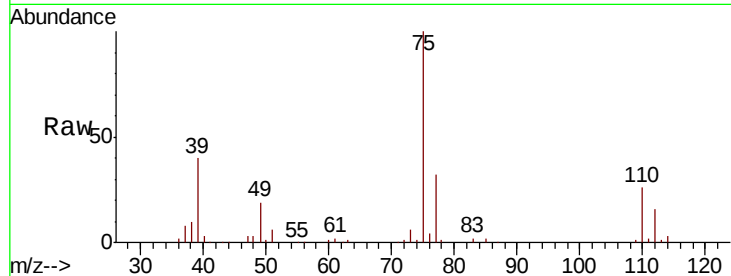
#53
t-1,3-Dichloropropene
Concen: 48.858 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 118126
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4

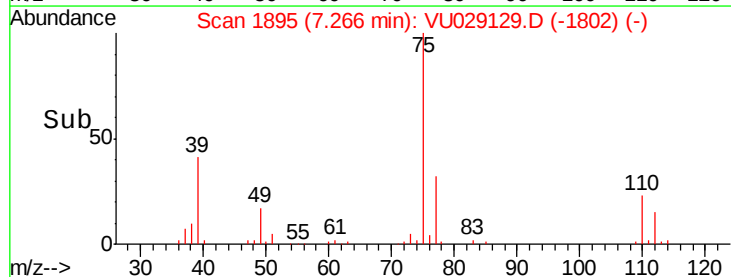
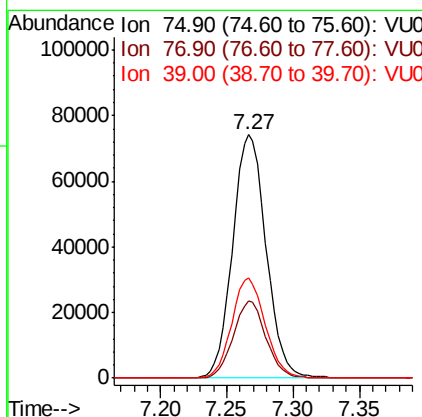
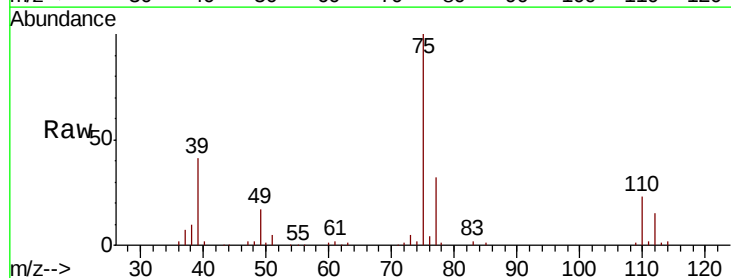
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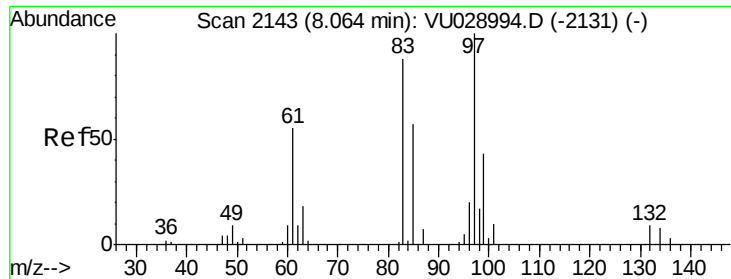
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#54
cis-1,3-Dichloropropene
Concen: 49.849 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion: 75 Resp: 130230
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6
39 41.0 32.2 48.4





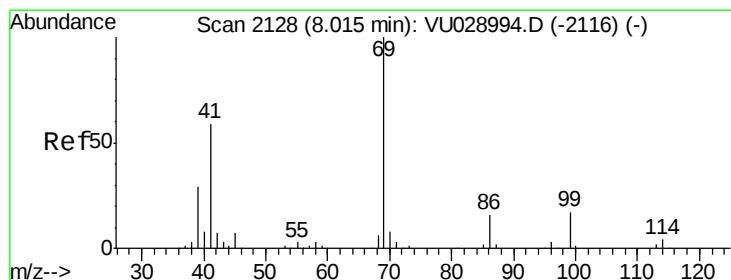
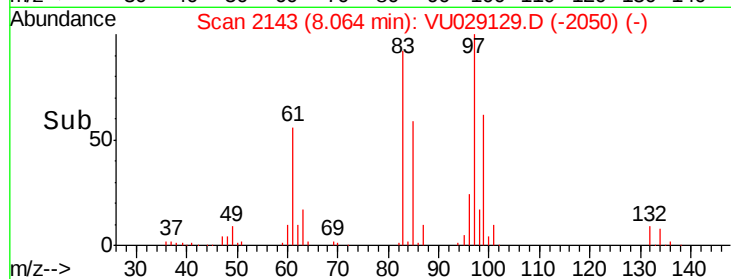
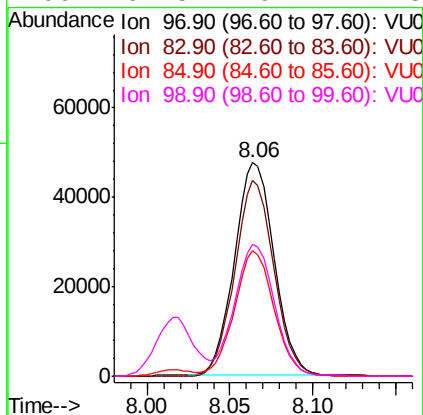
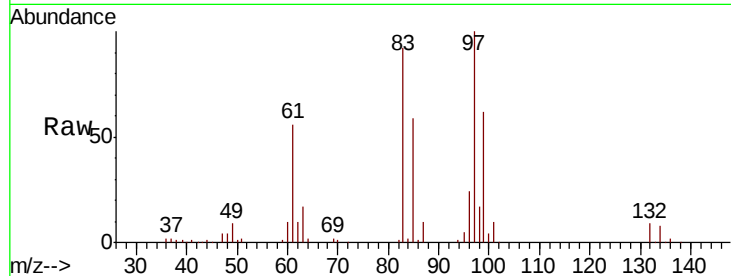
#55
1,1,2-Trichloroethane
Concen: 50.173 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.2	69.8	104.8
85	58.8	47.3	70.9
99	61.5	49.7	74.5

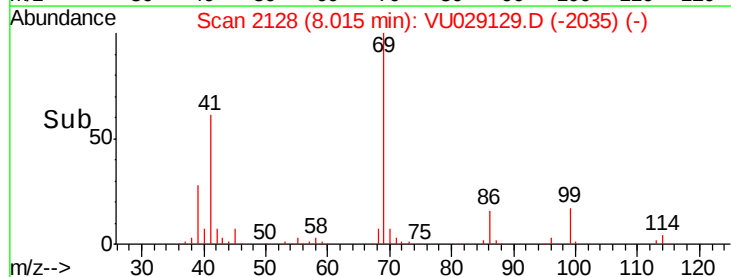
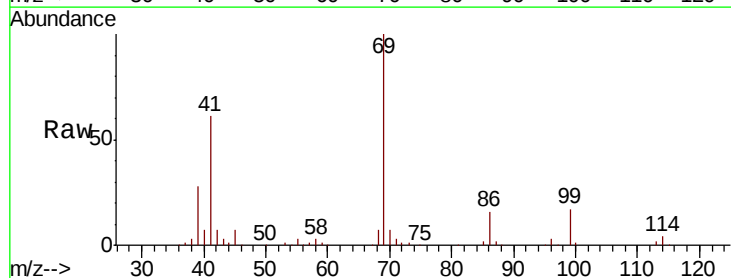
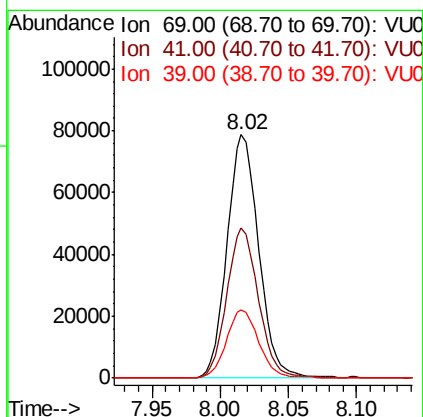
Manual Integrations
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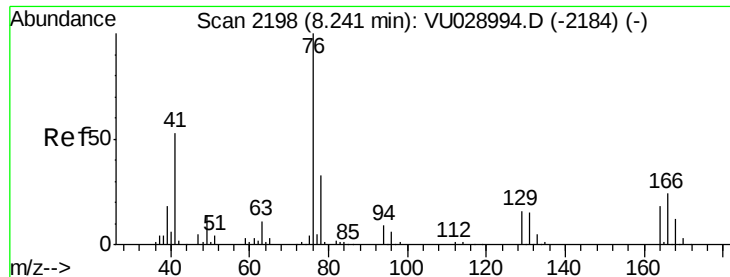
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#56
Ethyl methacrylate
Concen: 52.192 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.9	47.5	71.3
39	29.2	22.5	33.7





#57

1,3-Dichloropropane

Concen: 50.952 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 137685

Ion Ratio Lower Upper

76 100

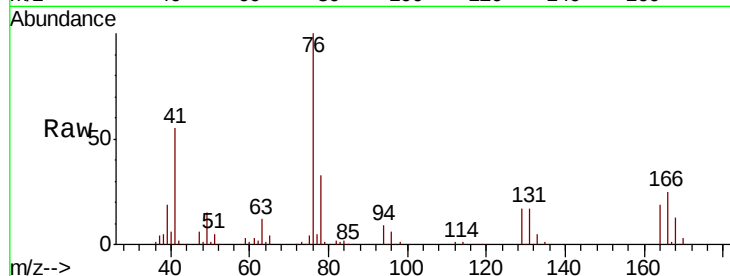
78 32.2 26.0 39.0

Manual Integrations

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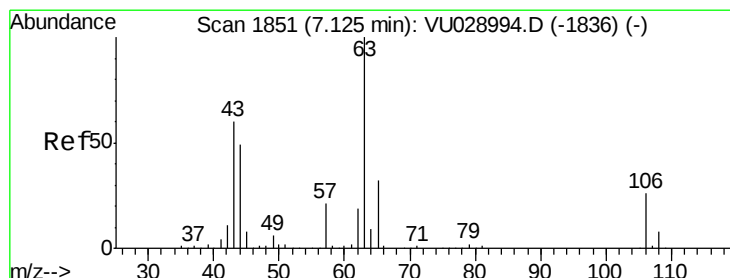
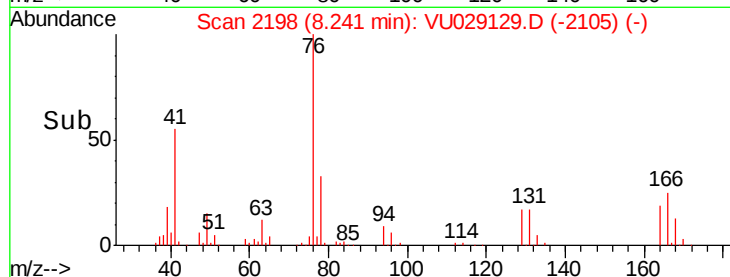
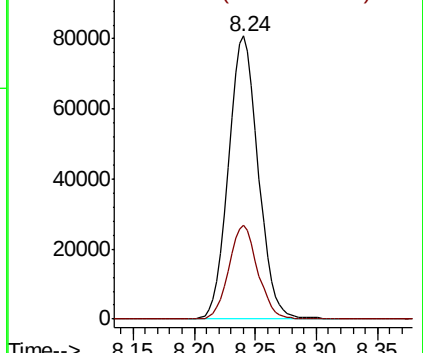
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 265.994 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029129.D

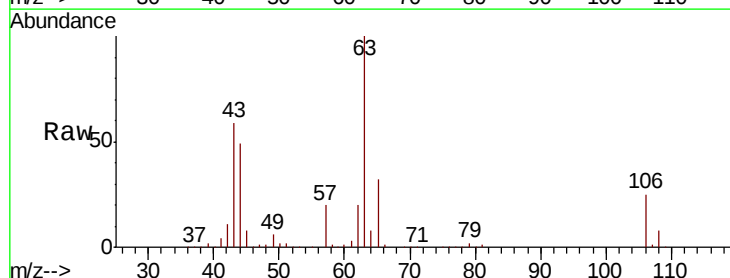
Acq: 10 Jan 2019 19:55

Tgt Ion: 63 Resp: 284606

Ion Ratio Lower Upper

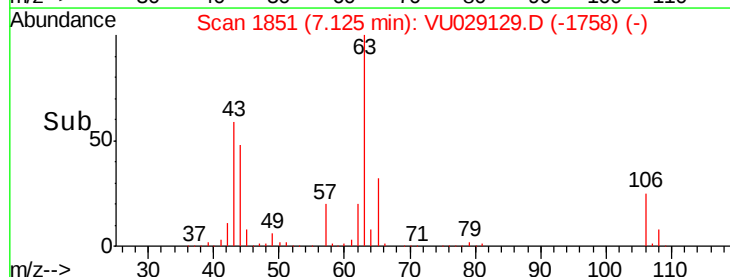
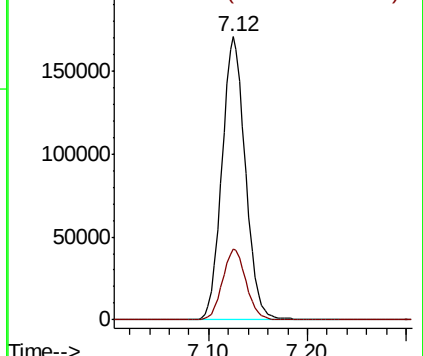
63 100

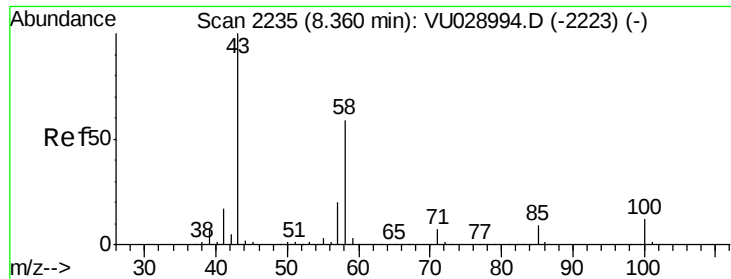
106 25.1 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





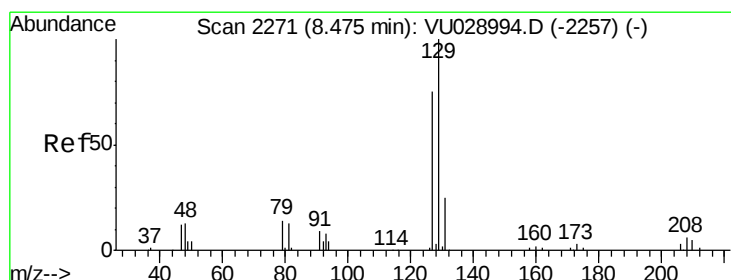
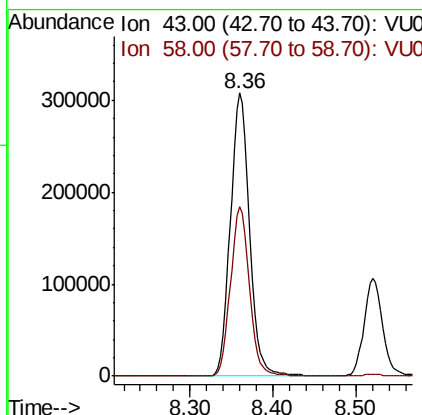
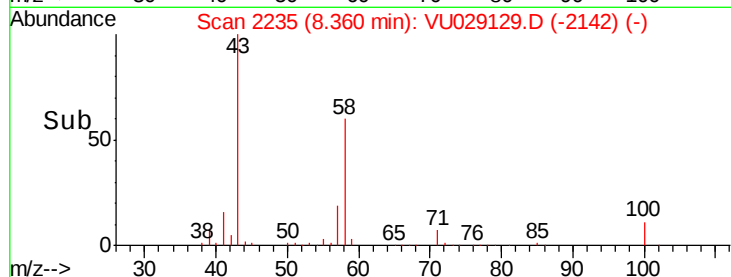
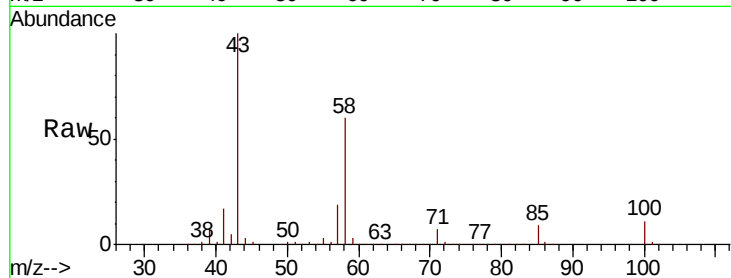
#59
2-Hexanone
Concen: 265.994 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 496691
Ion Ratio Lower Upper
43 100
58 59.5 29.8 89.4

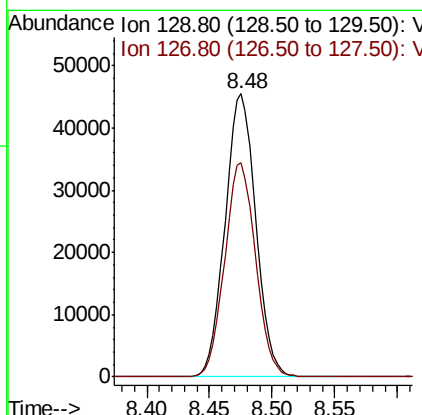
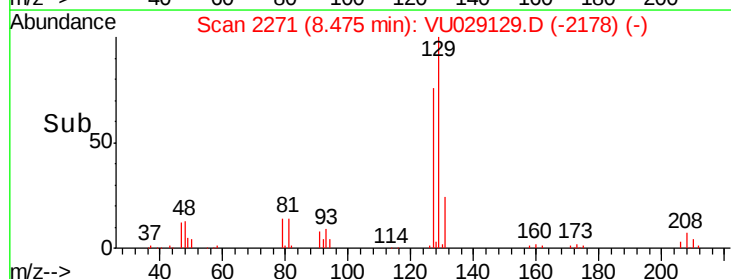
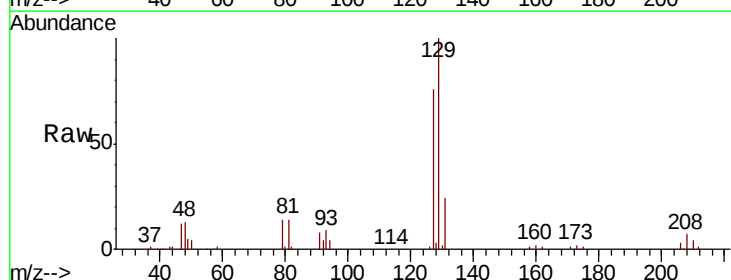
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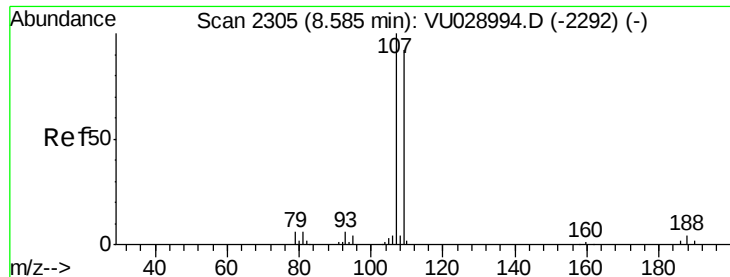
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#60
Dibromochloromethane
Concen: 49.594 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion: 129 Resp: 77593
Ion Ratio Lower Upper
129 100
127 75.9 38.0 114.0





#61

1,2-Dibromoethane

Concen: 49.521 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 84818

Ion Ratio Lower Upper

107 100

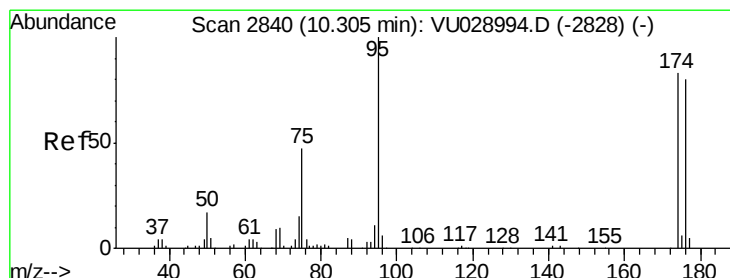
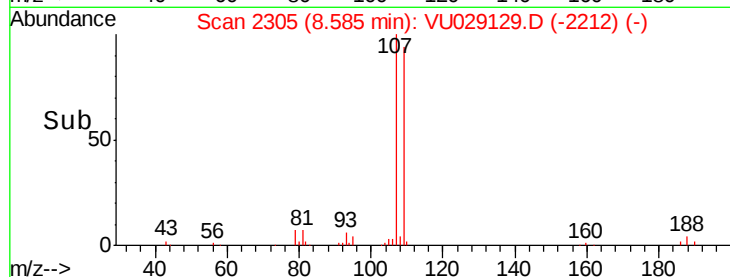
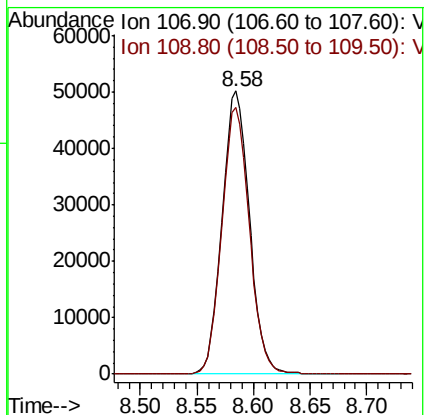
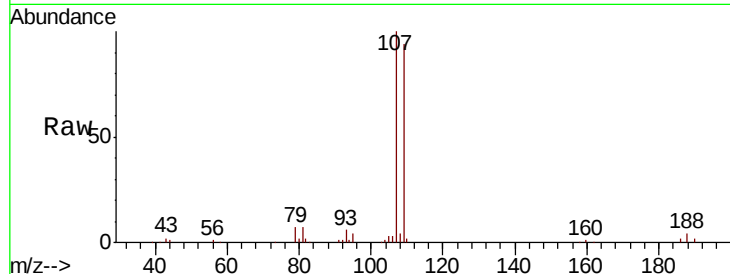
109 94.9 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 47.947 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

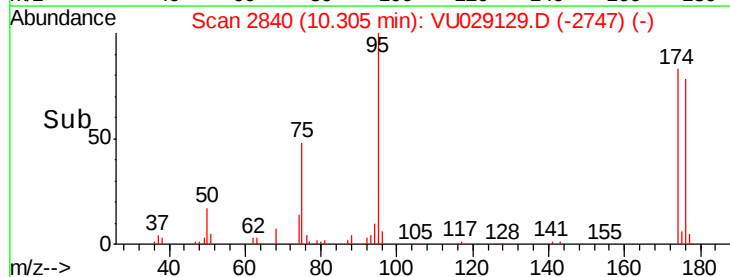
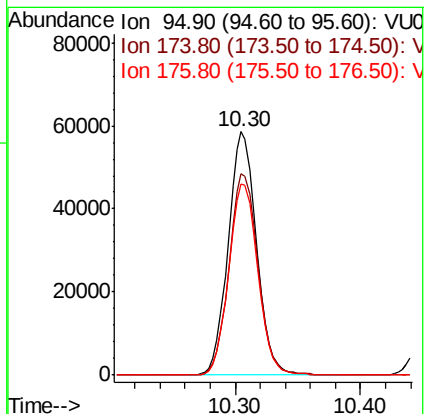
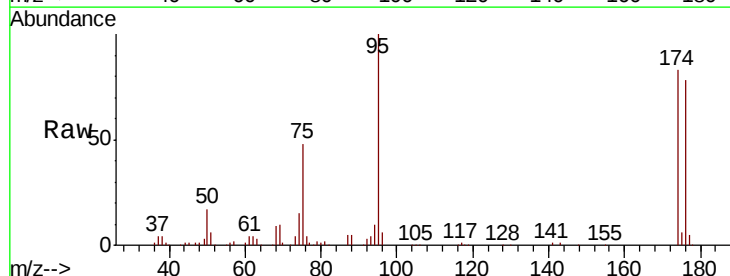
Tgt Ion: 95 Resp: 91582

Ion Ratio Lower Upper

95 100

174 84.6 0.0 170.6

176 80.8 0.0 165.0





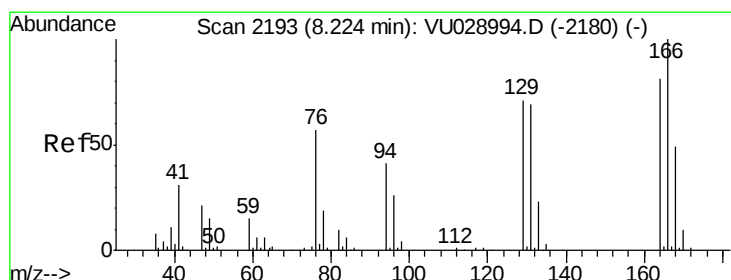
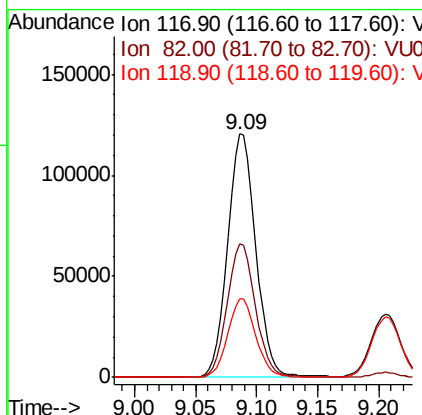
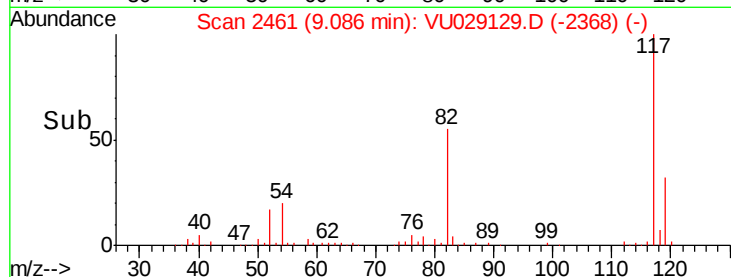
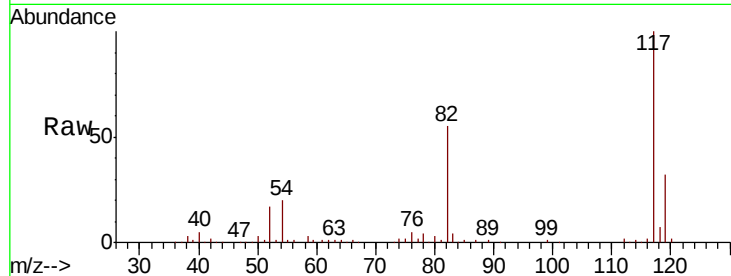
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	195697		
82	54.8	43.9	65.9	
119	32.3	26.0	39.0	

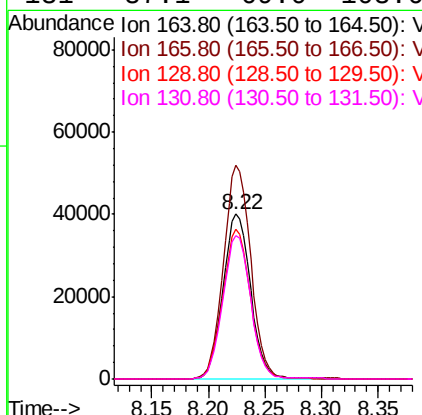
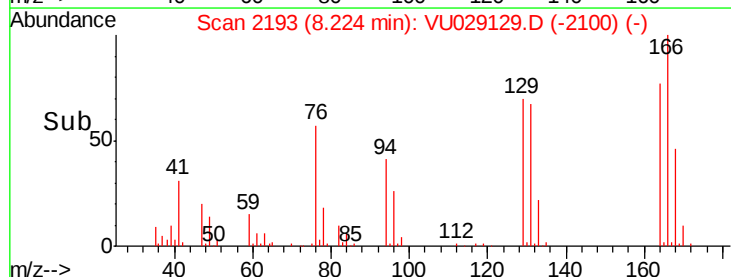
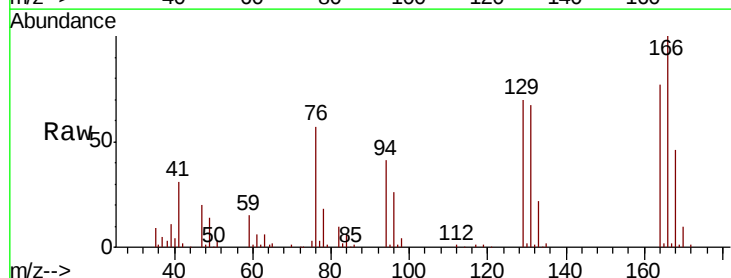
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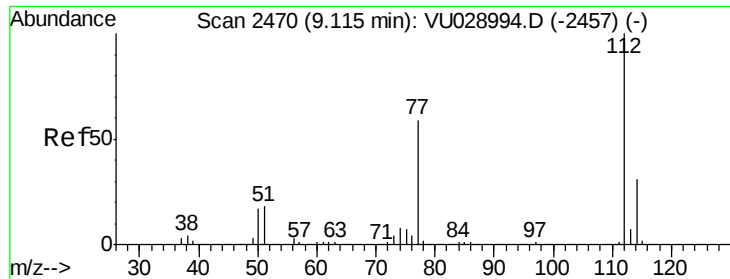
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#64
Tetrachloroethene
Concen: 48.598 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68509		
166	129.4	99.4	149.0	
129	90.8	70.5	105.7	
131	87.1	69.0	103.6	





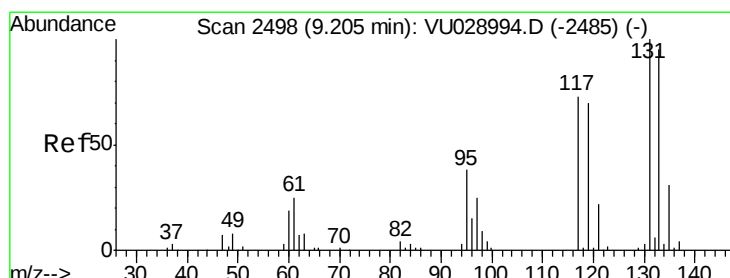
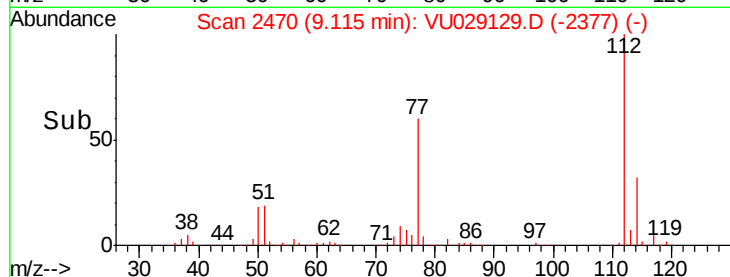
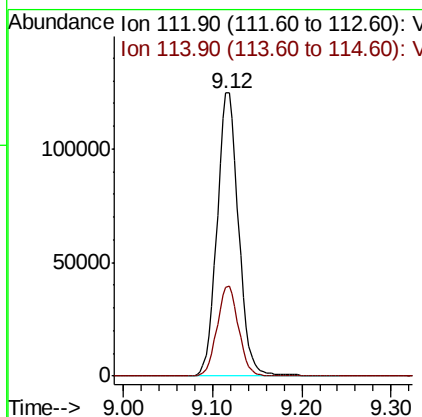
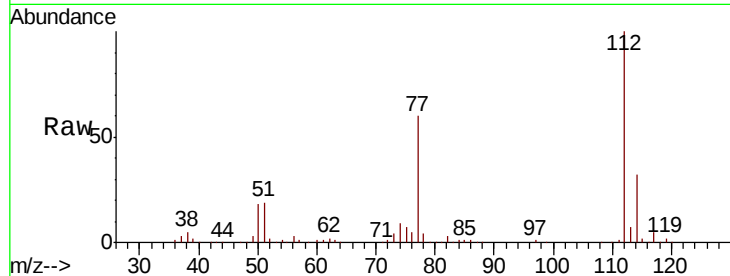
#65
Chlorobenzene
Concen: 47.590 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 208761
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6

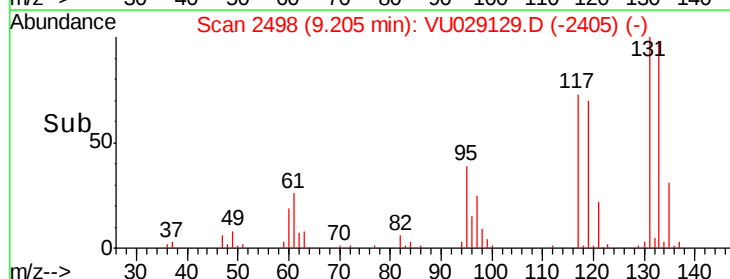
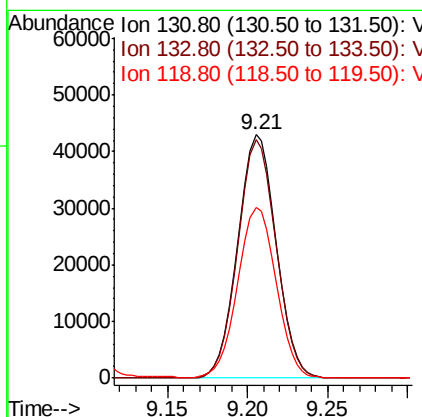
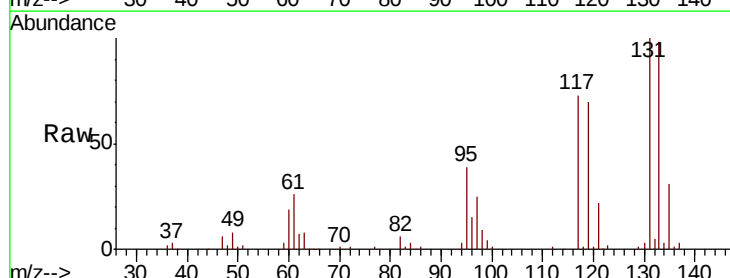
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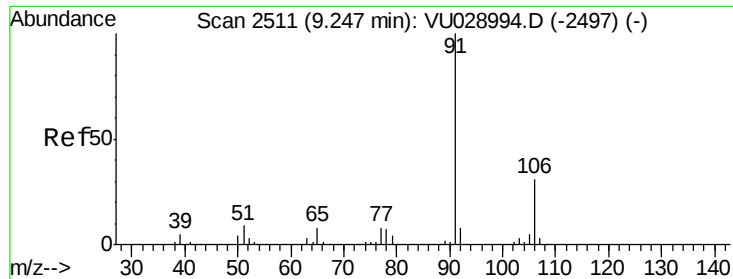
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.376 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion:131 Resp: 70290
Ion Ratio Lower Upper
131 100
133 97.5 48.2 144.6
119 70.6 35.4 106.3





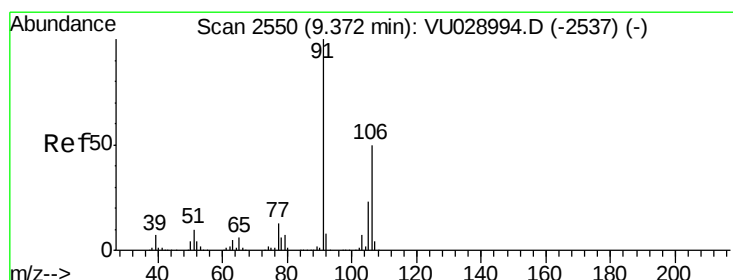
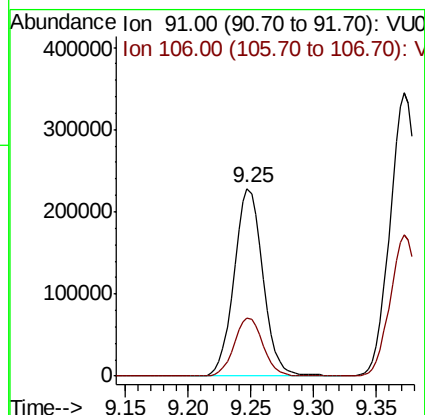
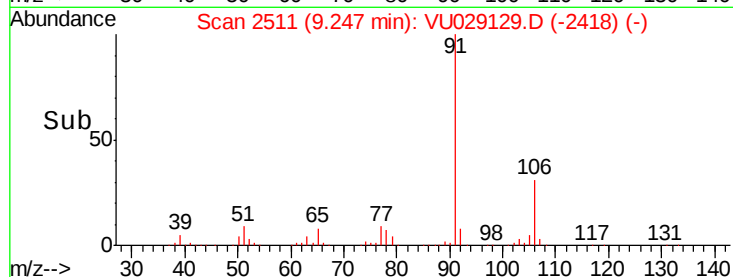
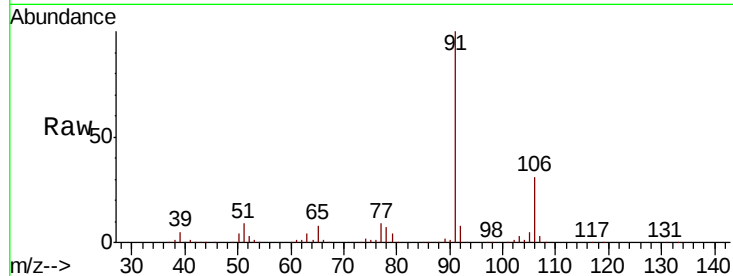
#67
Ethyl Benzene
Concen: 49.679 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 363835
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

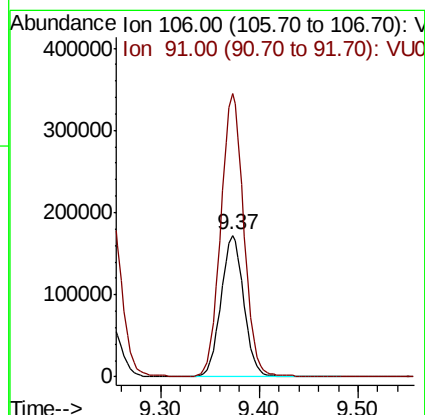
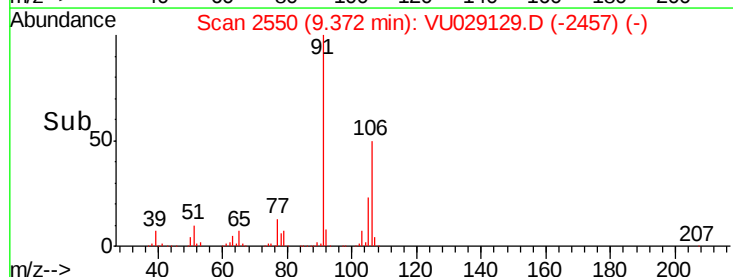
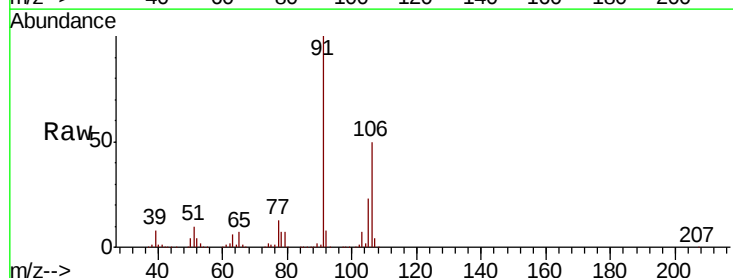
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#68
m/p-Xylenes
Concen: 99.034 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion: 106 Resp: 281813
Ion Ratio Lower Upper
106 100
91 200.6 161.7 242.5





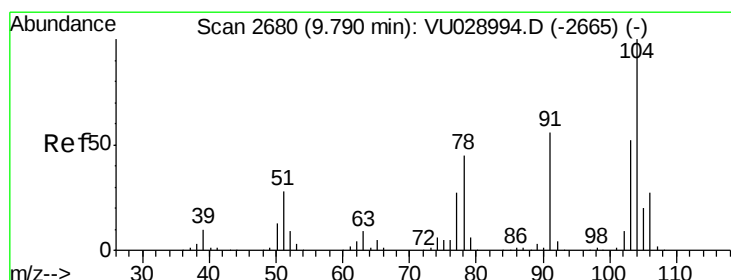
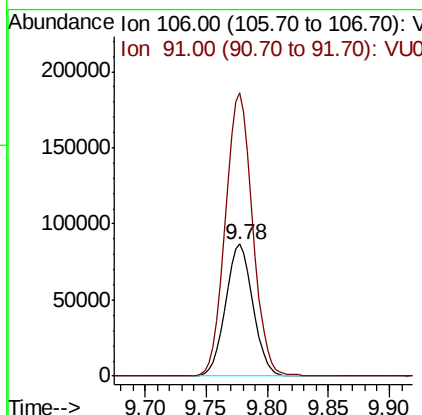
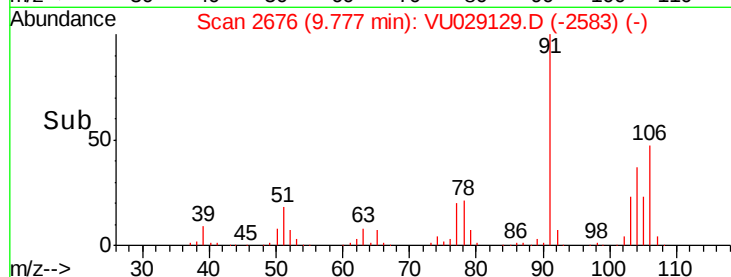
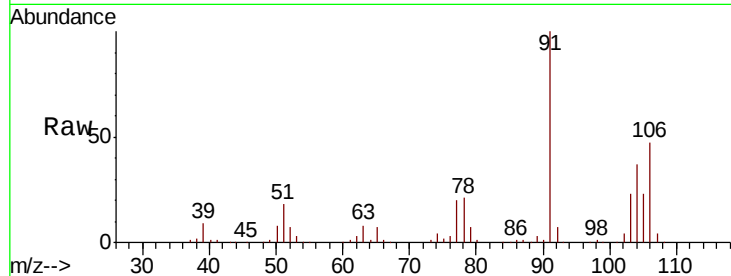
#69
o-Xylene
Concen: 50.062 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 137262
Ion Ratio Lower Upper
106 100
91 213.5 106.1 318.3

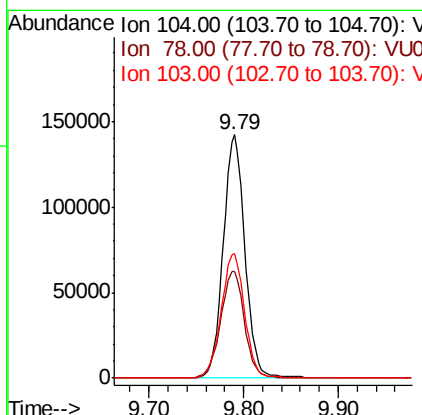
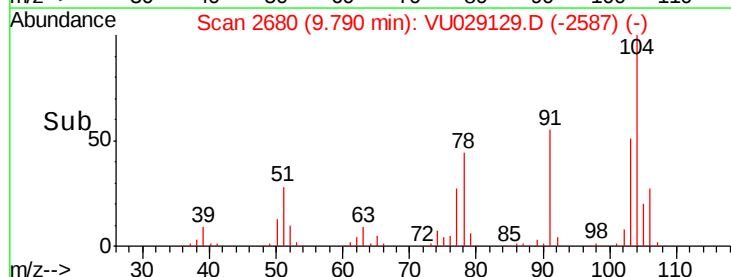
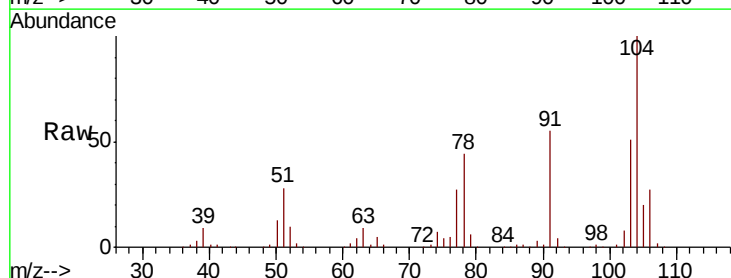
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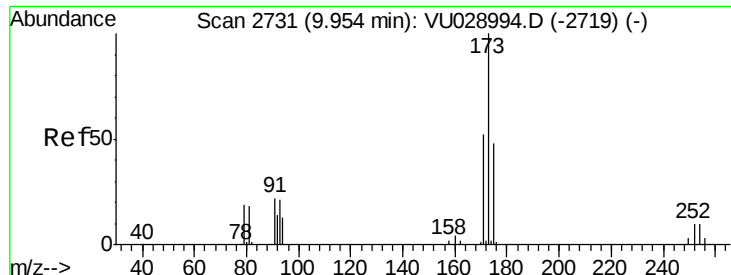
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#70
Styrene
Concen: 50.440 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion:104 Resp: 226720
Ion Ratio Lower Upper
104 100
78 48.3 38.6 58.0
103 55.1 44.5 66.7





#71

Bromoform

Concen: 49.039 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 62159

Ion Ratio Lower Upper

173 100

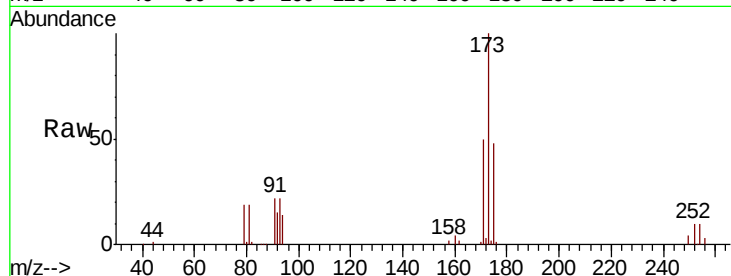
175 47.6 23.8 71.2

254 0.0 0.0 0.0

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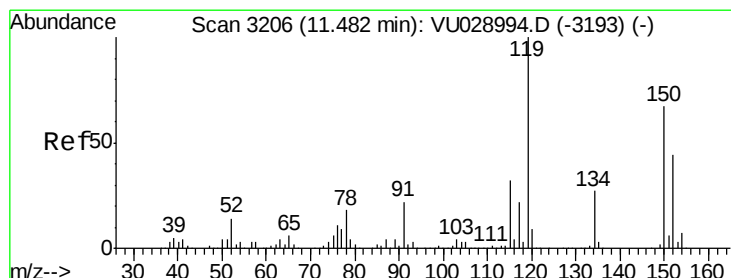
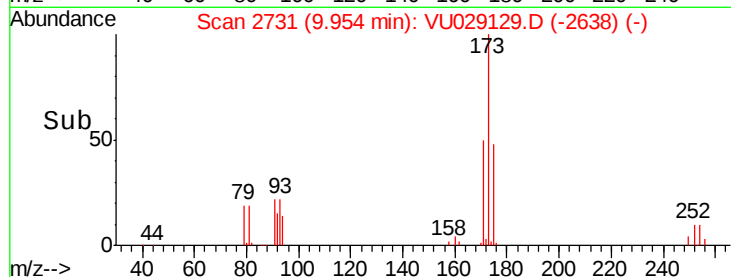
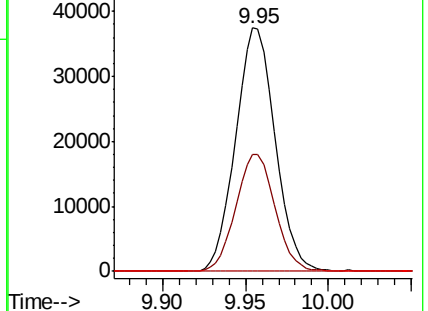
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VU029129.D

Acq: 10 Jan 2019 19:55

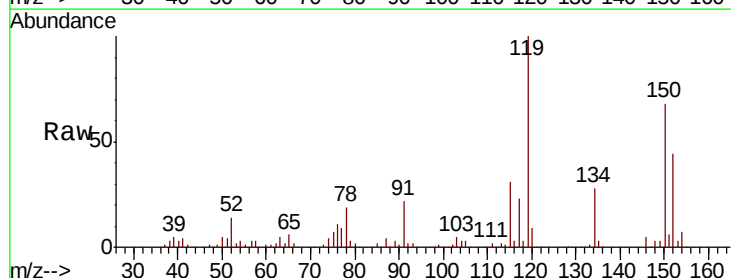
Tgt Ion:152 Resp: 97541

Ion Ratio Lower Upper

152 100

115 80.0 40.1 120.3

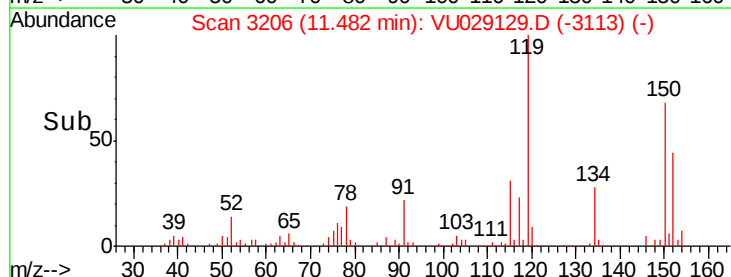
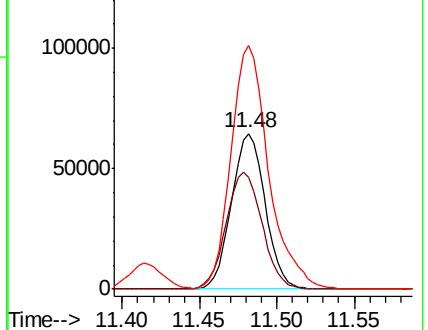
150 175.4 0.0 345.2

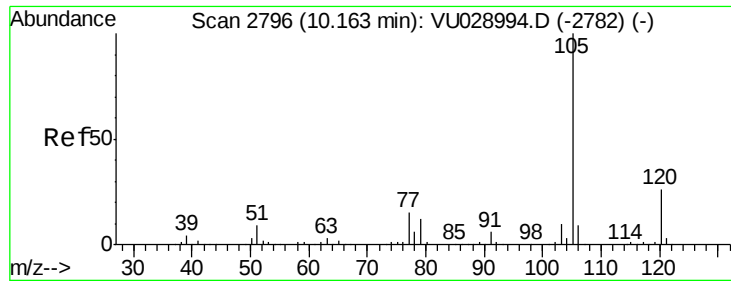


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.399 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 356645

Ion Ratio Lower Upper

105 100

120 26.3

13.2

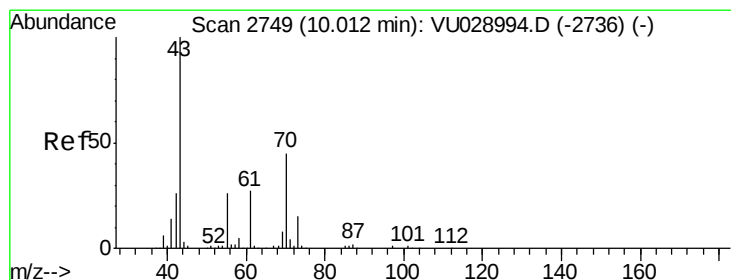
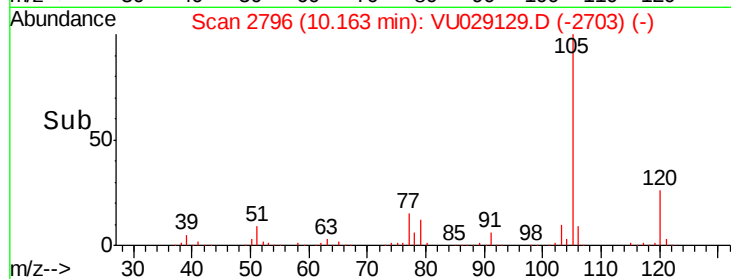
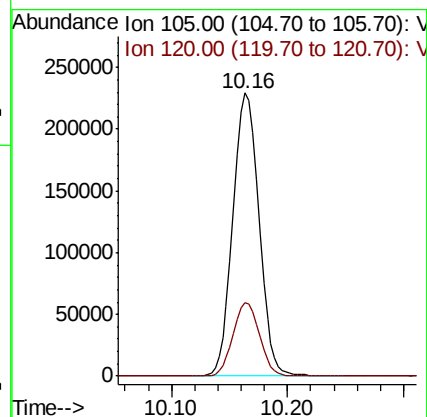
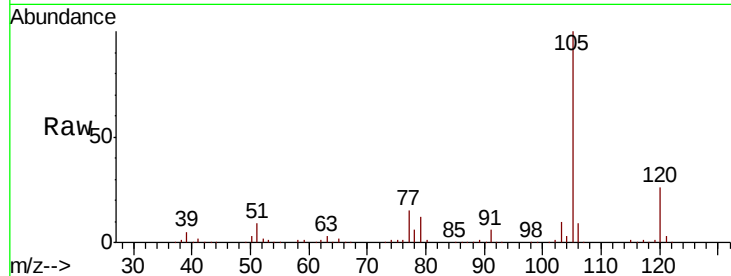
39.5

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#74

N-ethyl acetate

Concen: 52.150 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Tgt Ion: 43 Resp: 162244

Ion Ratio Lower Upper

43 100

70 44.9

55 25.9

61 26.9

36.3

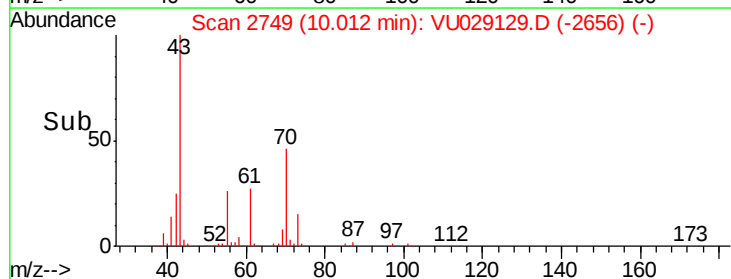
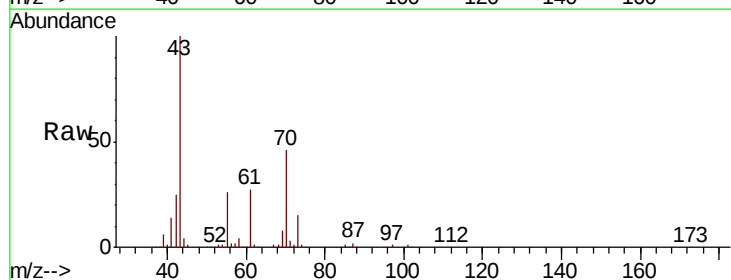
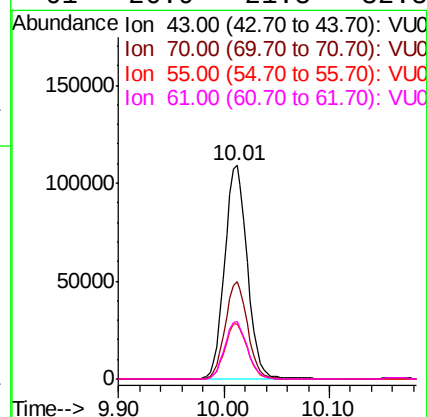
20.5

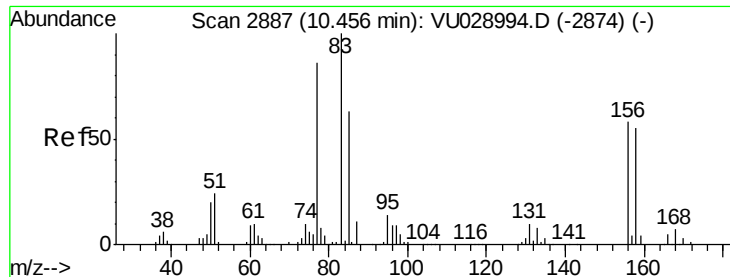
21.8

54.5

30.7

32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.127 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 142152
Ion Ratio Lower Upper

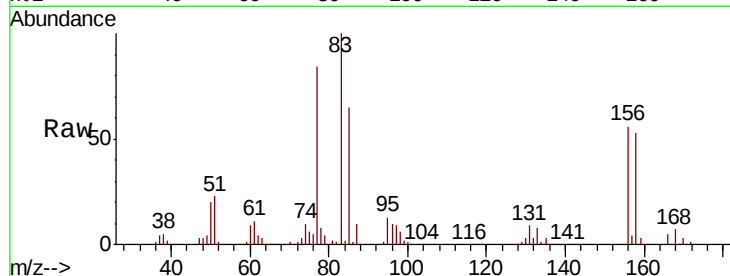
83 100

131 8.8 4.7 14.1

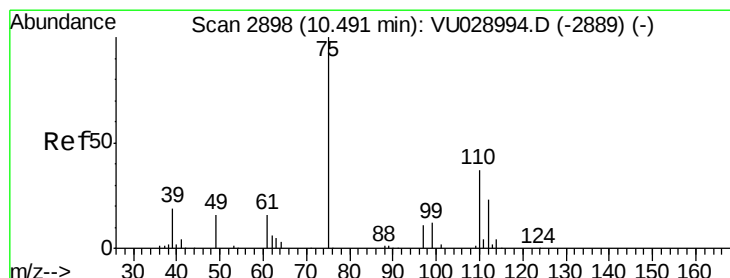
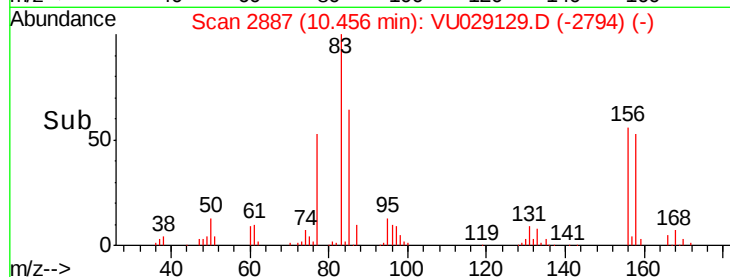
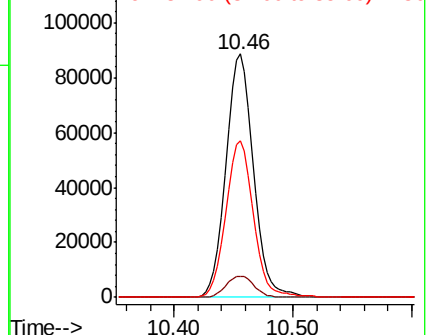
85 64.5 32.0 96.2

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



#76

1,2,3-Trichloropropane

Concen: 50.669 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

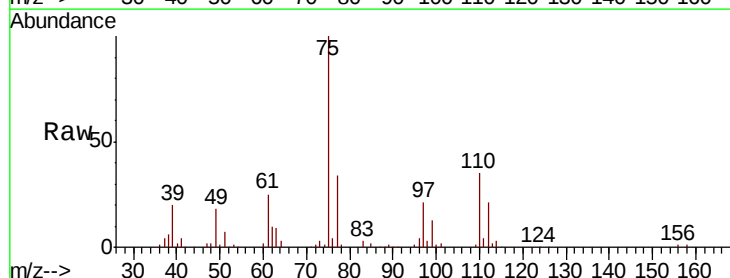
Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

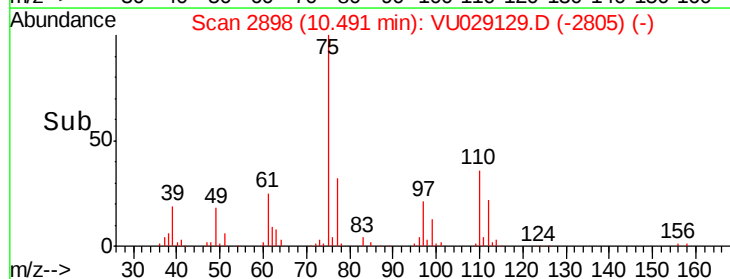
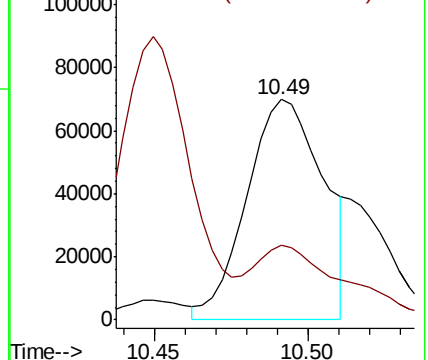
Tgt Ion: 75 Resp: 121094
Ion Ratio Lower Upper

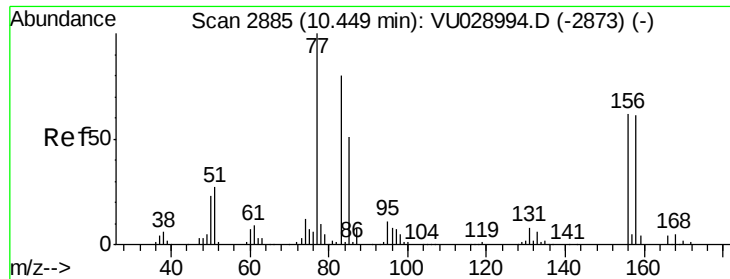
75 100

77 39.4 20.9 62.8



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





#77

Bromobenzene

Concen: 48.075 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

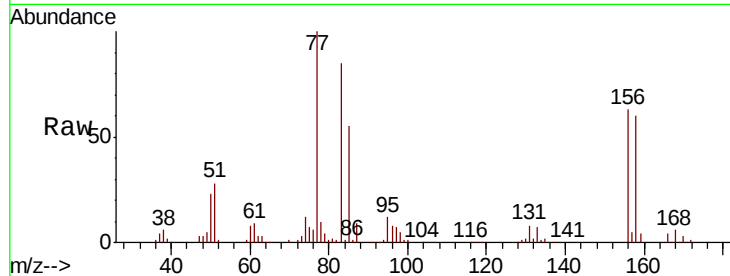
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	159.6	79.0	237.2
158	96.1	48.9	146.6

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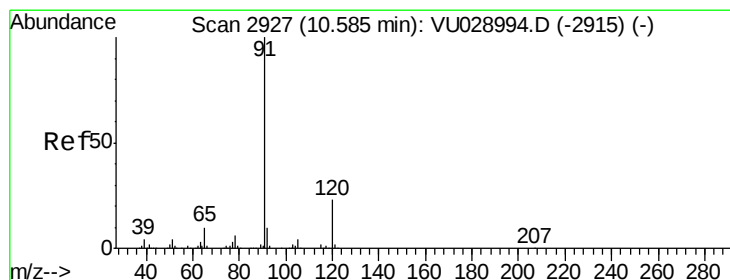
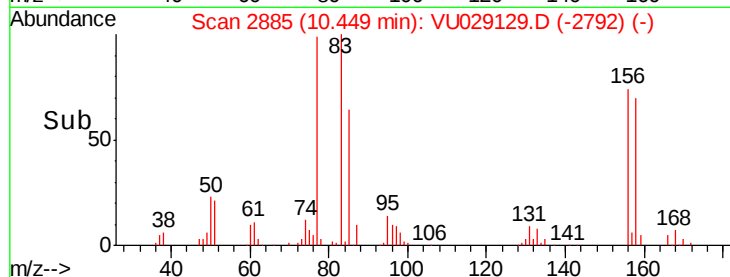
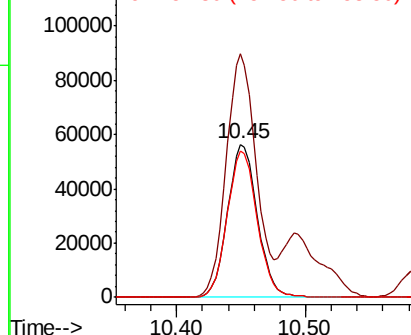
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.131 ug/l

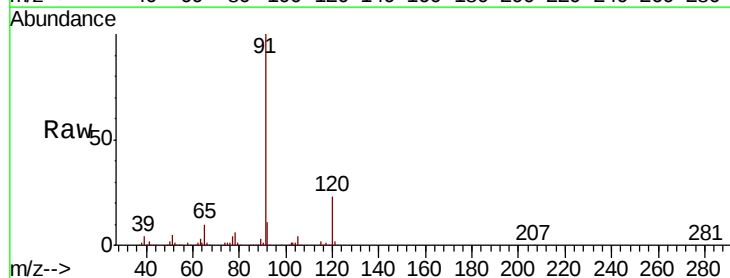
RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029129.D

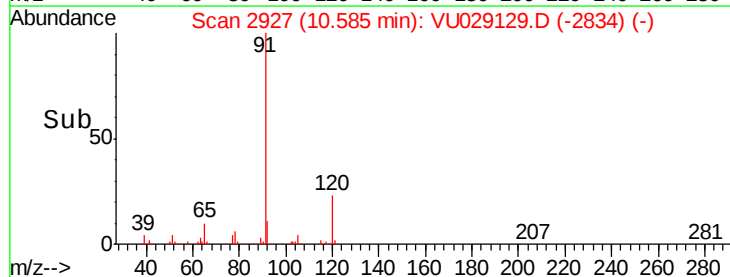
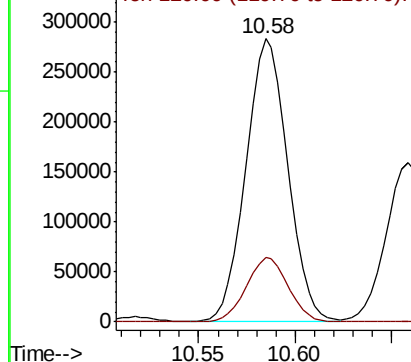
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	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: 48.490 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU029129.D

Acq: 10 Jan 2019 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 250271

Ion Ratio Lower Upper

91 100

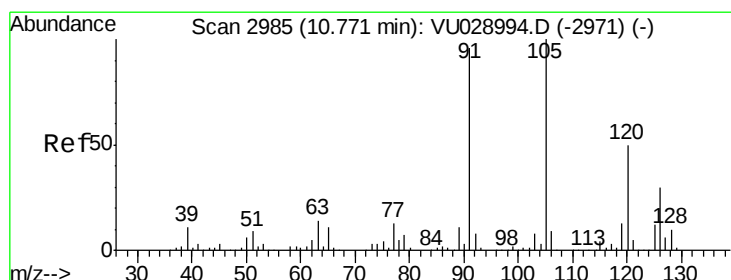
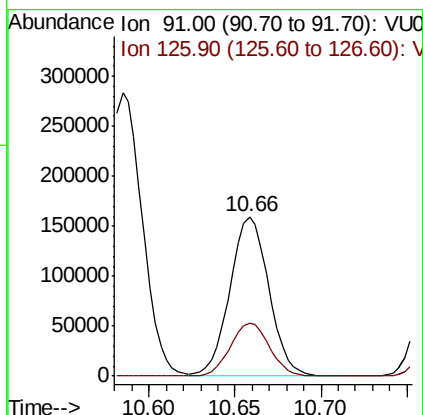
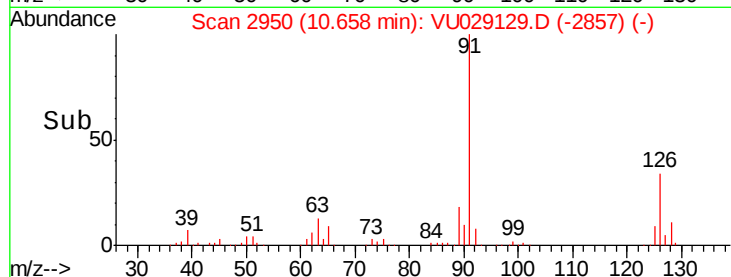
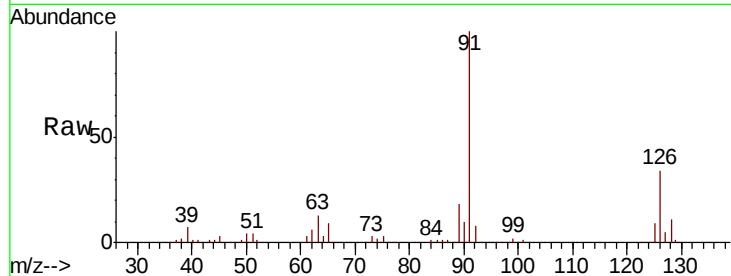
126 33.9 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 49.778 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU029129.D

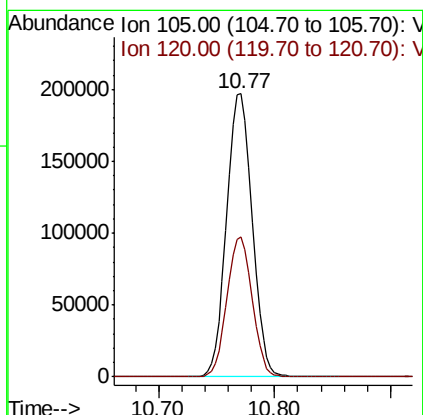
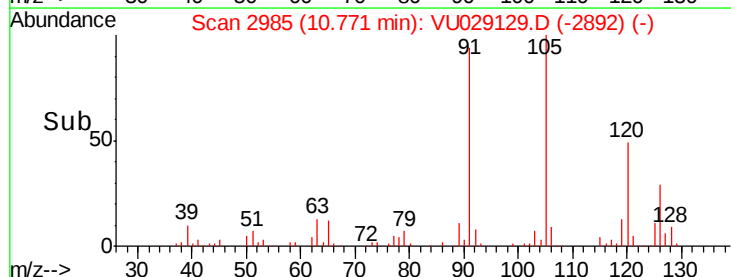
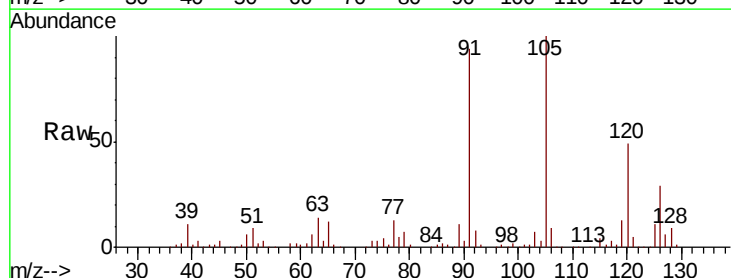
Acq: 10 Jan 2019 19:55

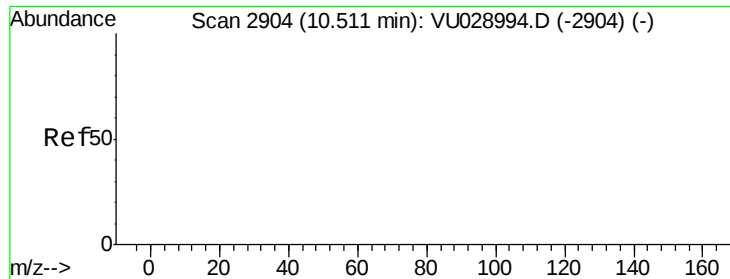
Tgt Ion: 105 Resp: 300114

Ion Ratio Lower Upper

105 100

120 48.7 24.8 74.4





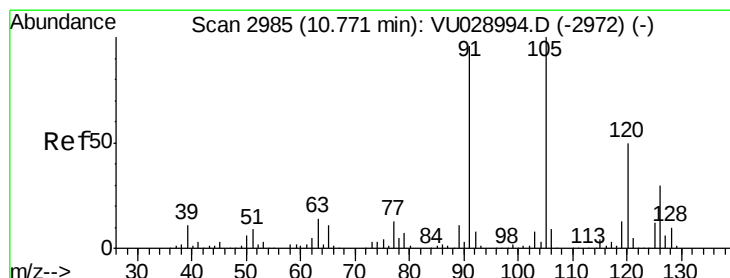
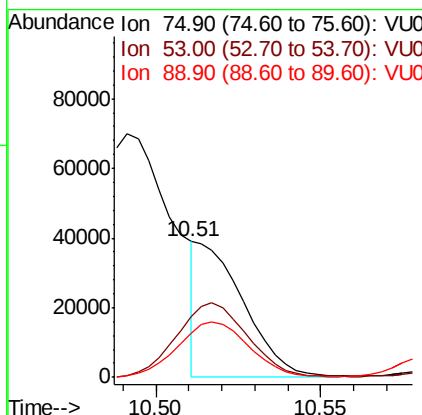
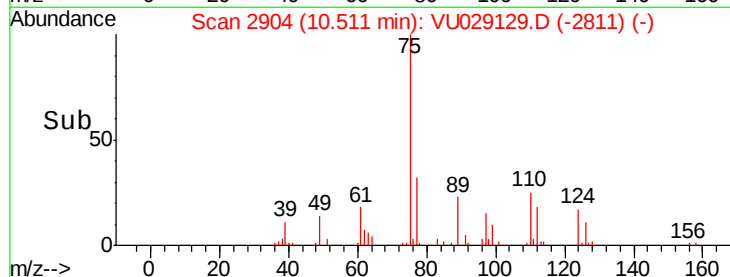
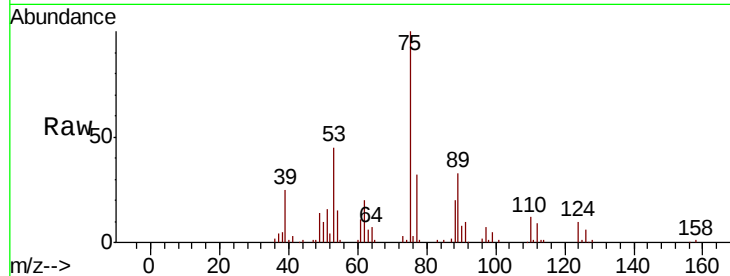
#81
trans-1,4-Dichloro-2-butene
Concen: 41.249 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

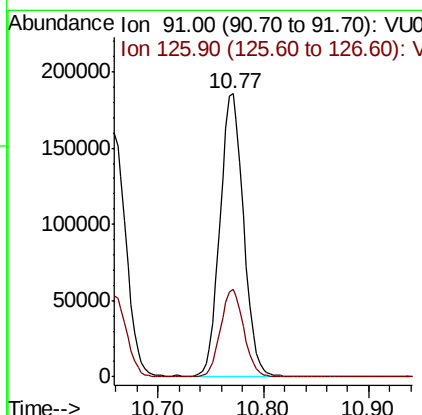
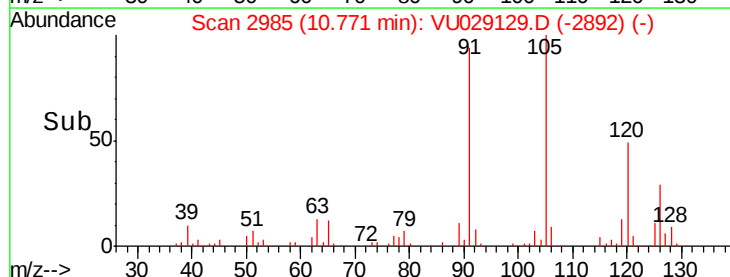
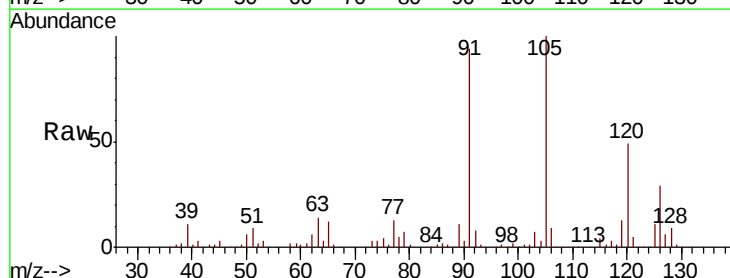
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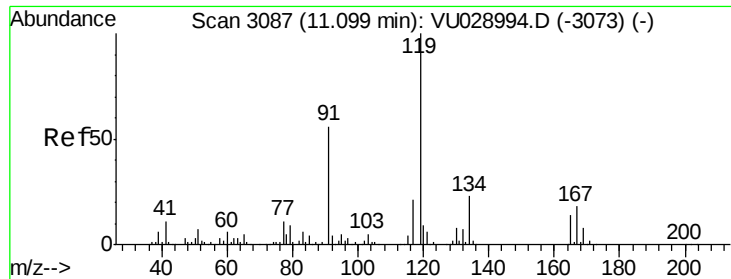
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#82
4-Chlorotoluene
Concen: 48.414 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.5	46.5





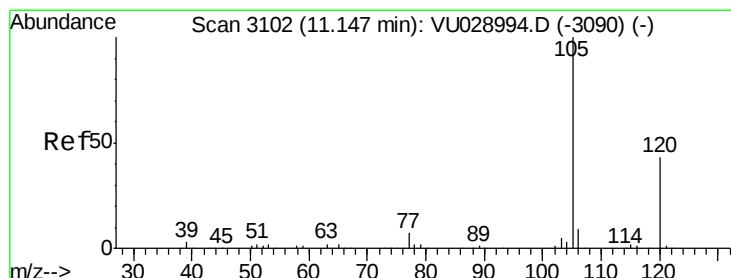
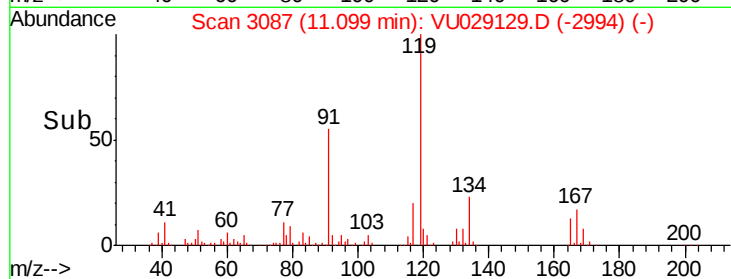
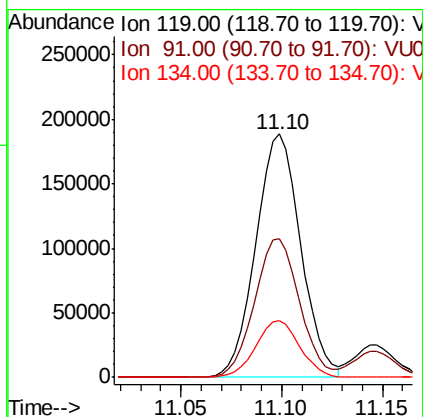
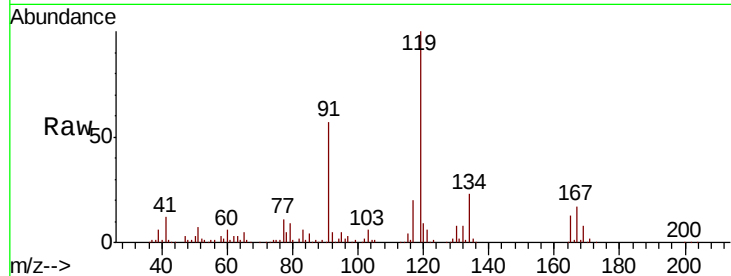
#83
tert-Butylbenzene
Concen: 49.408 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	293600		
91	57.0	28.2	84.6	
134	22.8	11.3	33.8	

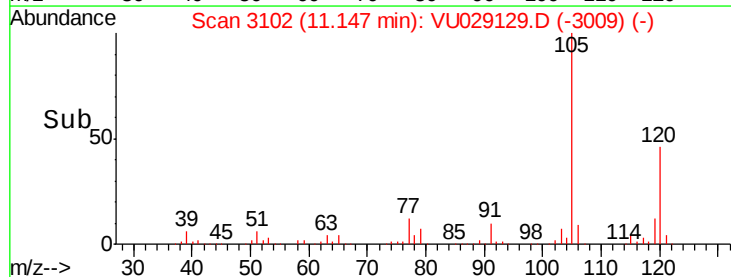
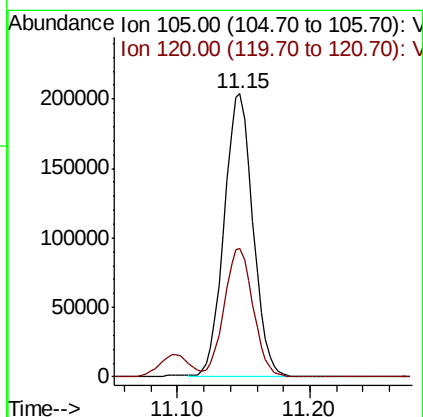
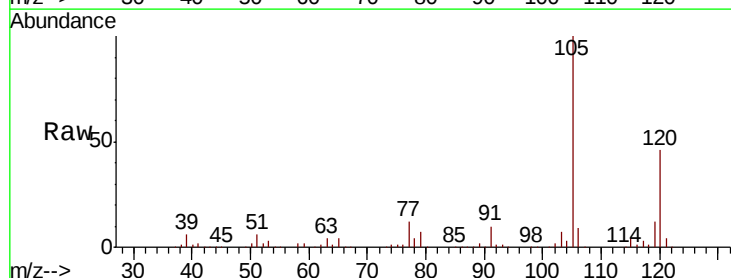
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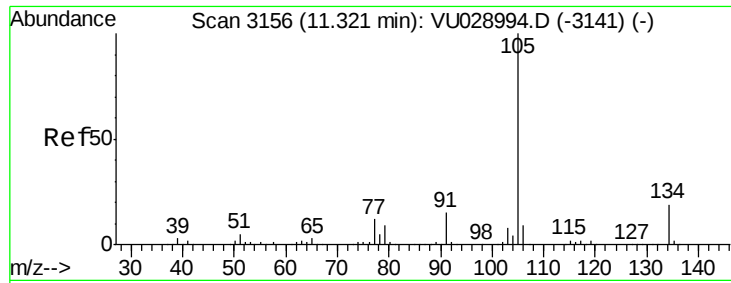
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#84
1,2,4-Trimethylbenzene
Concen: 50.999 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	306984		
120	45.8	23.1	69.3	





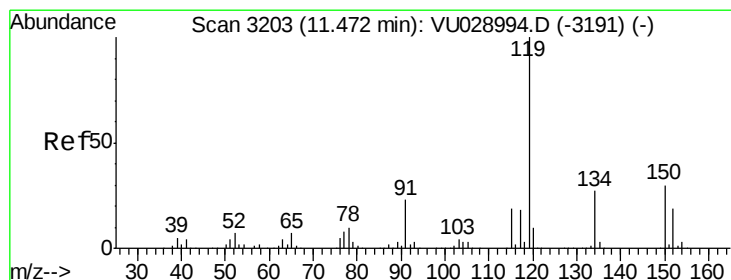
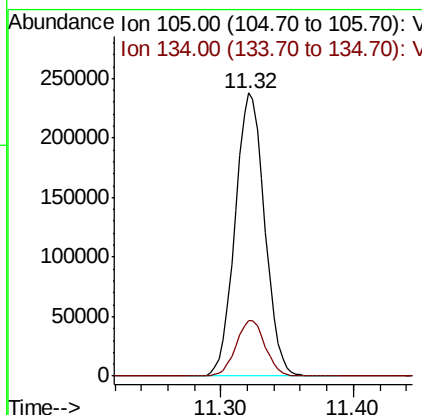
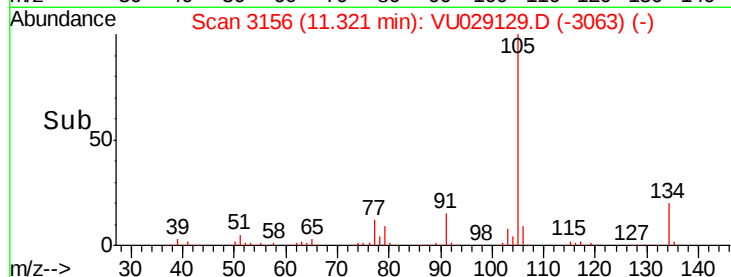
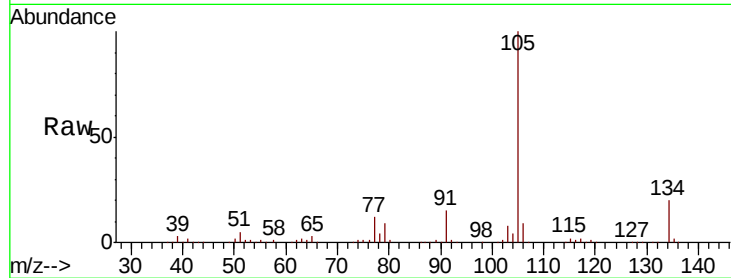
#85
 sec-Butylbenzene
 Concen: 51.035 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029129.D
 Acq: 10 Jan 2019 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 366774
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1

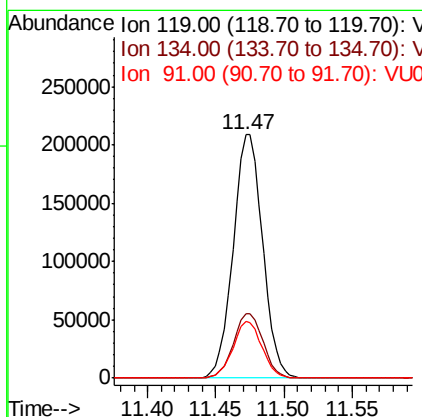
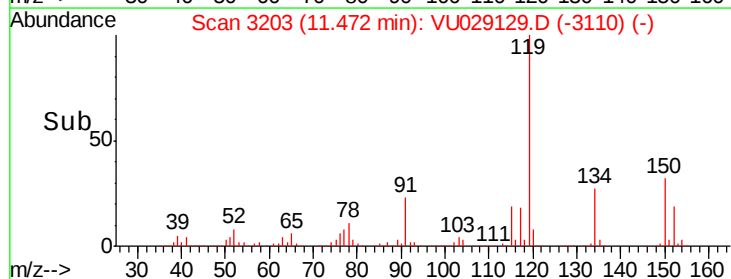
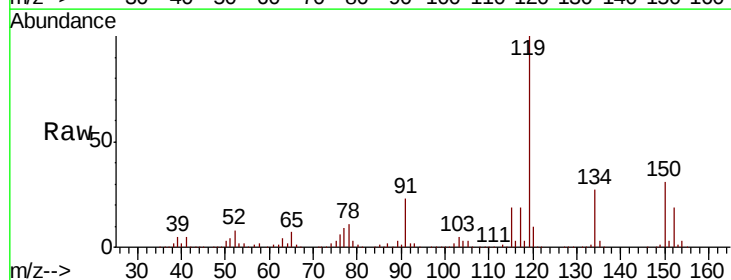
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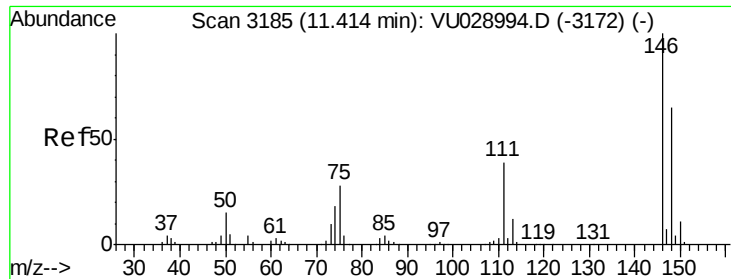
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#86
 p-Isopropyltoluene
 Concen: 50.877 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029129.D
 Acq: 10 Jan 2019 19:55

Tgt Ion:119 Resp: 311572
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.5 40.4
 91 23.0 11.3 33.8





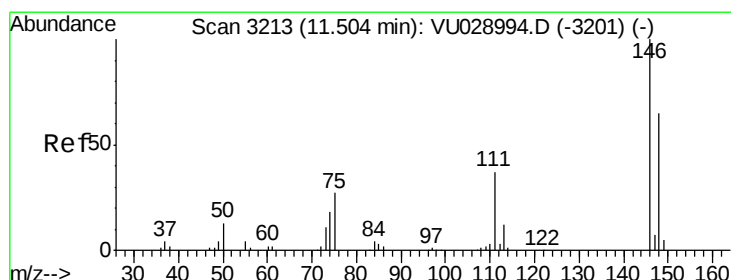
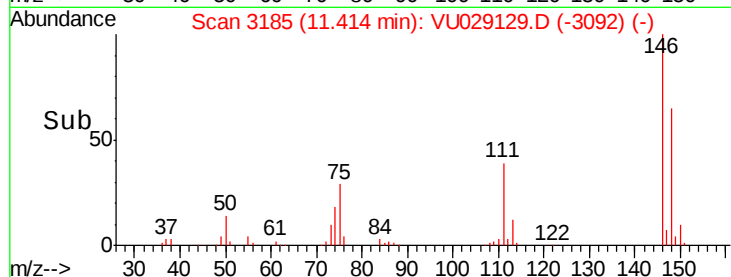
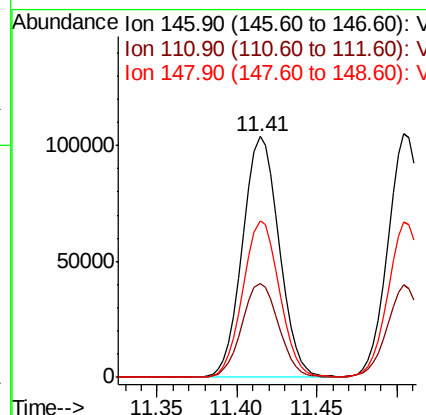
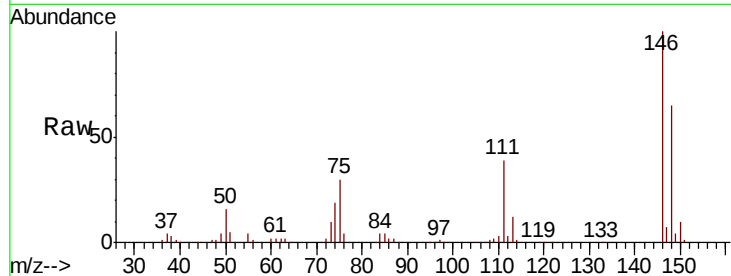
#87
 1,3-Dichlorobenzene
 Concen: 46.914 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029129.D
 Acq: 10 Jan 2019 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	65.1	32.5	97.5

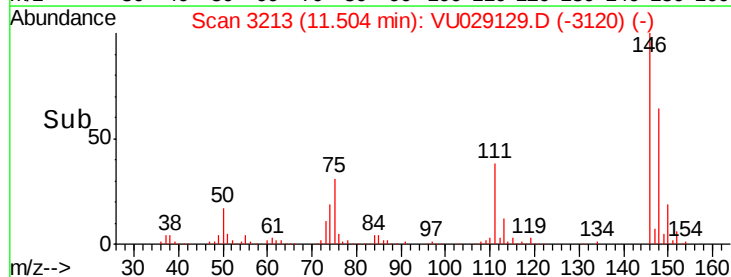
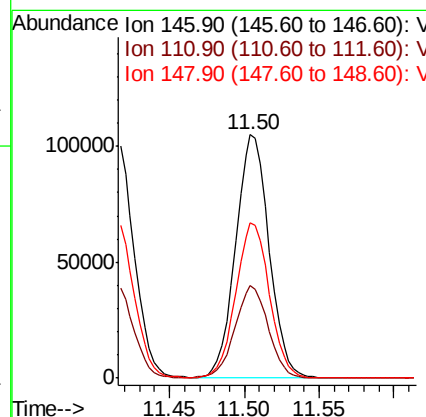
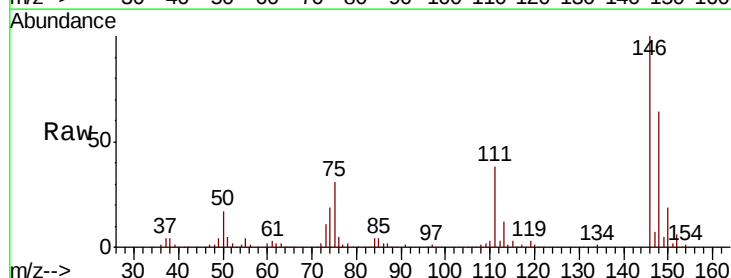
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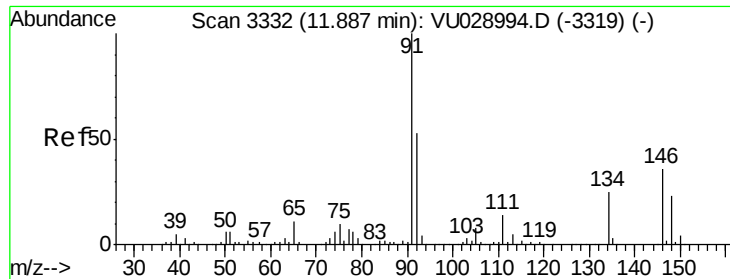
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#88
 1,4-Dichlorobenzene
 Concen: 45.678 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029129.D
 Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	64.8	32.6	98.0





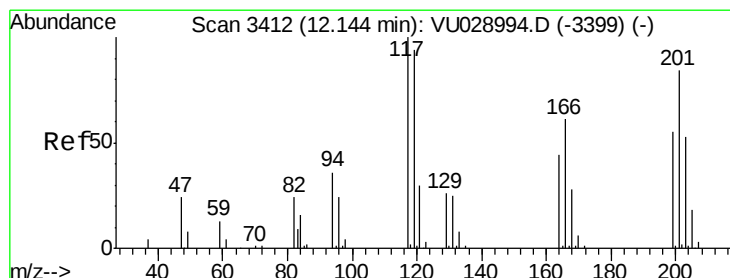
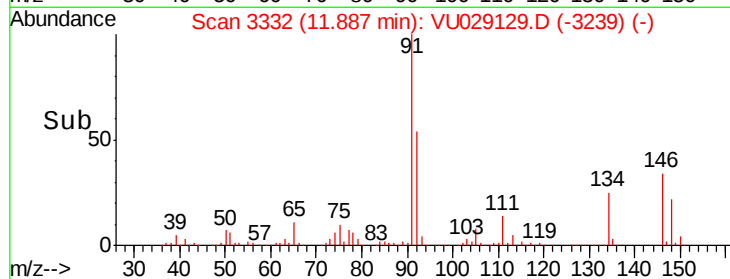
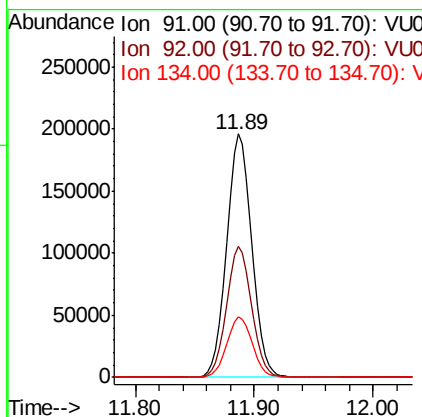
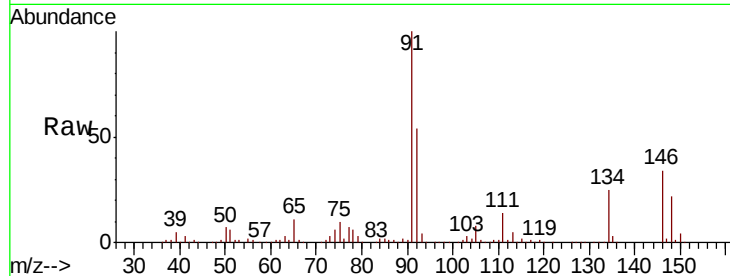
#89
n-Butylbenzene
Concen: 52.494 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.2	78.5
134	25.1	12.6	37.6

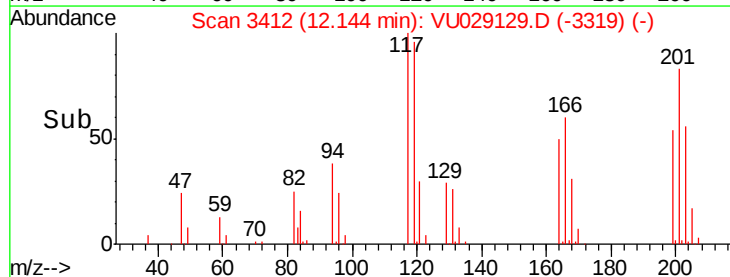
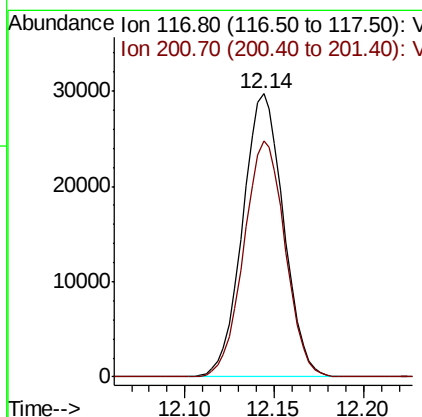
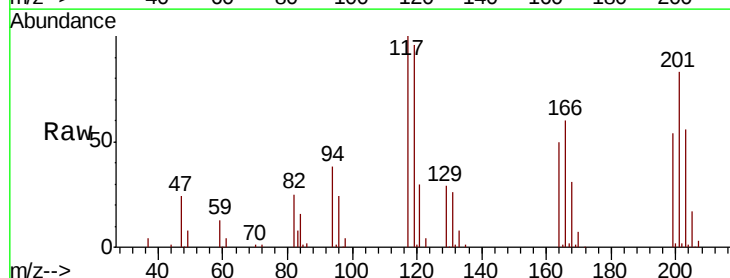
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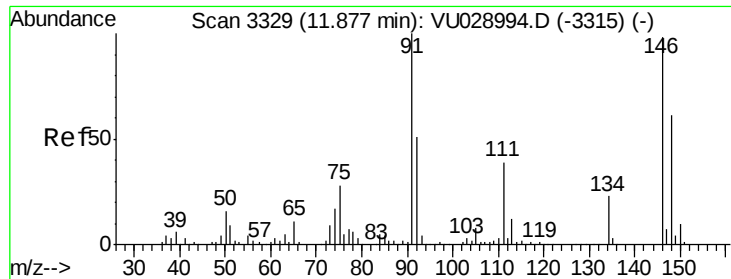
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#90
Hexachloroethane
Concen: 46.282 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	42.4	127.3





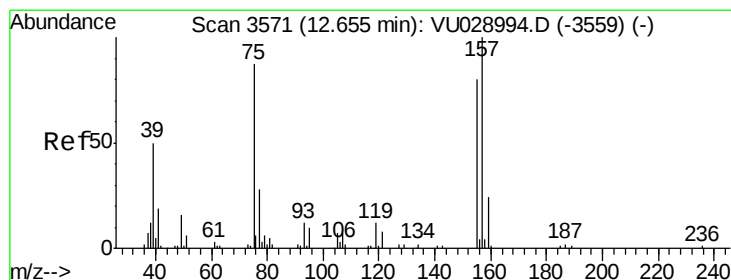
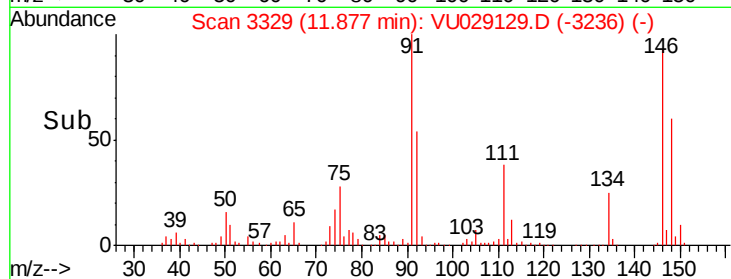
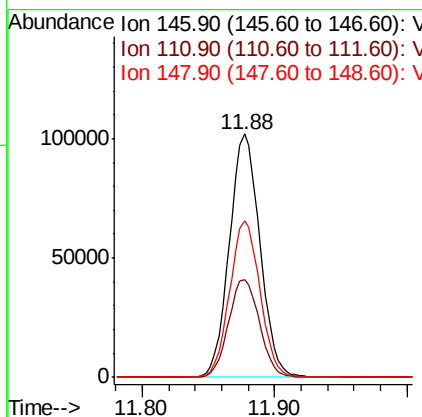
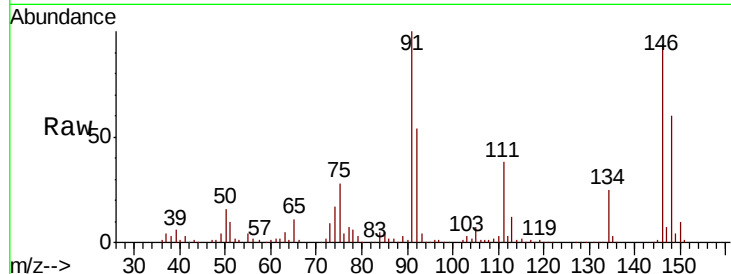
#91
 1,2-Dichlorobenzene
 Concen: 47.015 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU029129.D
 Acq: 10 Jan 2019 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	163421		
111	40.7	20.0	59.9	
148	63.9	31.6	94.8	

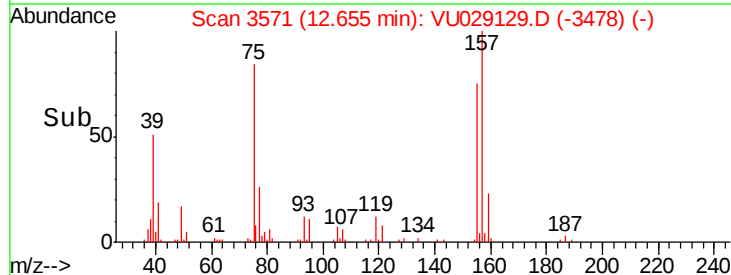
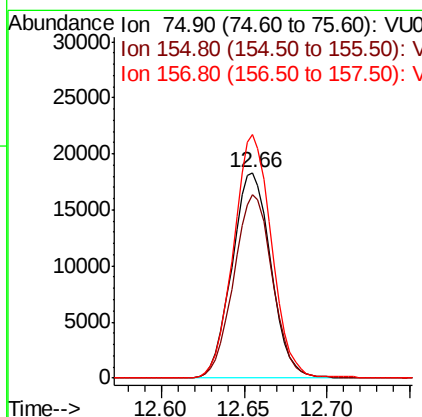
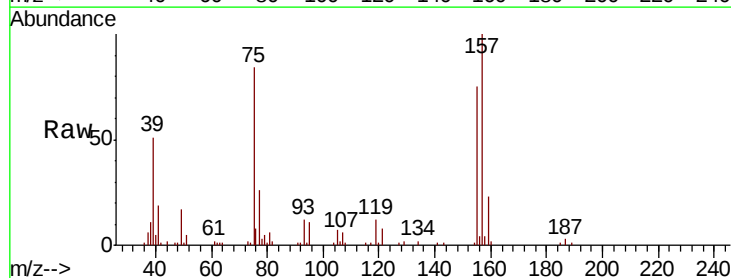
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.686 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029129.D
 Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29878		
155	88.9	46.3	138.8	
157	116.1	57.4	172.0	





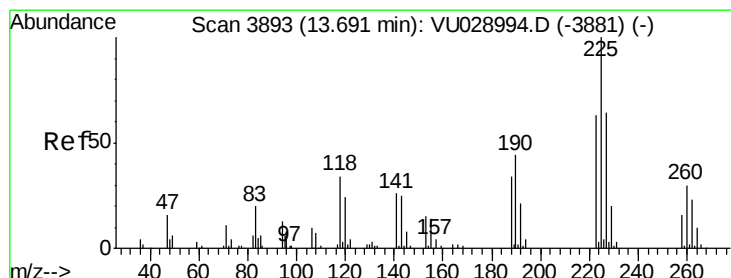
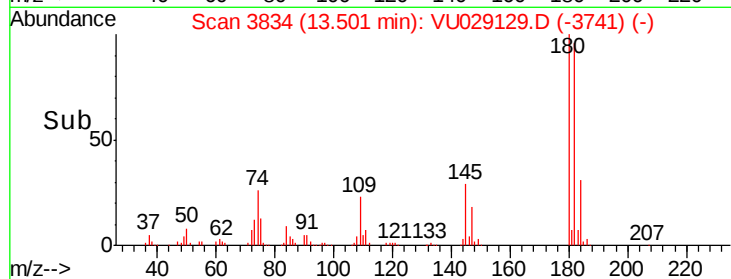
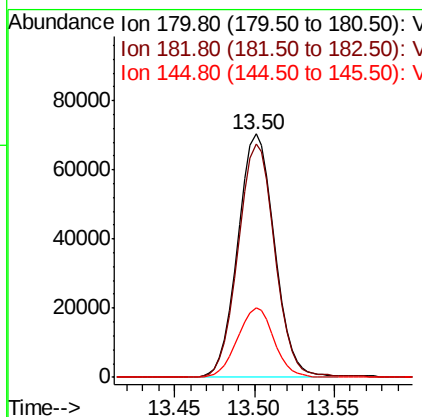
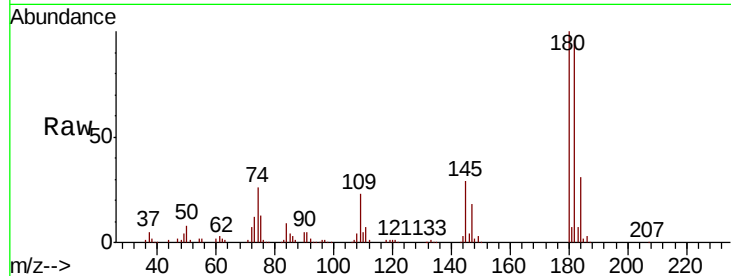
#93
 1,2,4-Trichlorobenzene
 Concen: 49.515 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029129.D
 Acq: 10 Jan 2019 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	109868		
182	96.1	47.5	142.6	
145	28.4	14.0	42.0	

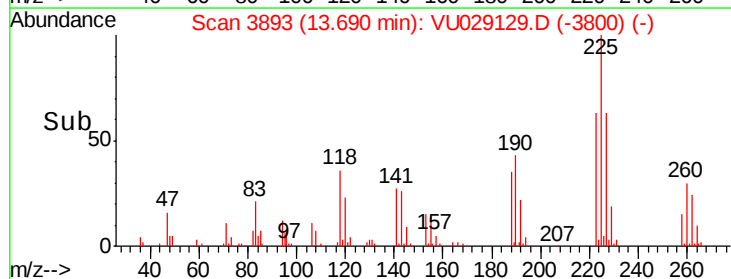
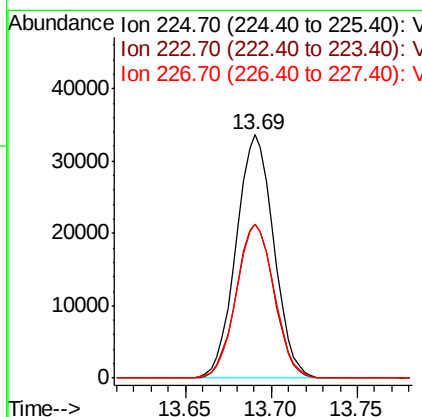
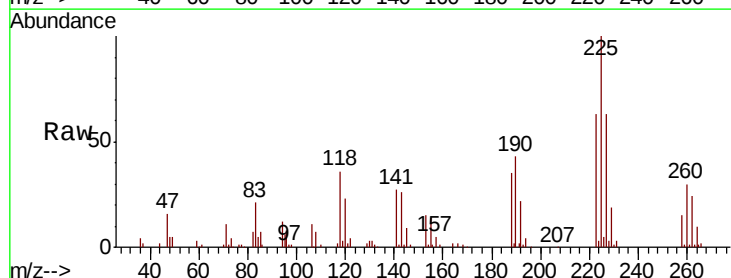
Manual Integrations
 APPROVED

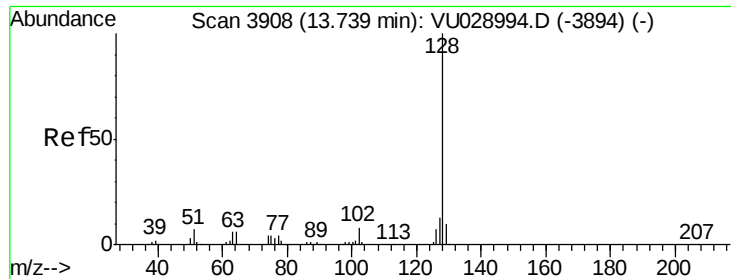
MMDadoda
 1/11/2019 10:03:59 AM



#94
 Hexachlorobutadiene
 Concen: 50.516 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU029129.D
 Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51269		
223	63.5	31.4	94.0	
227	63.6	31.9	95.5	





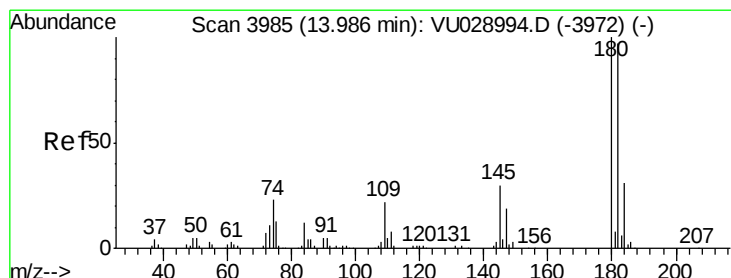
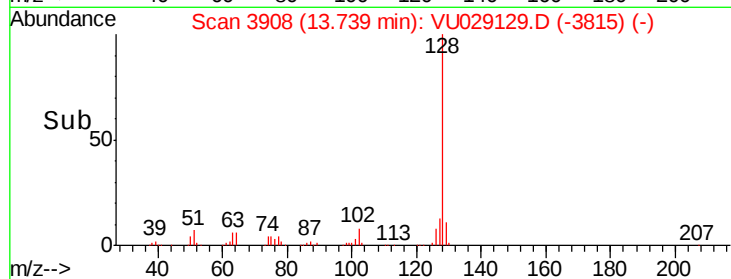
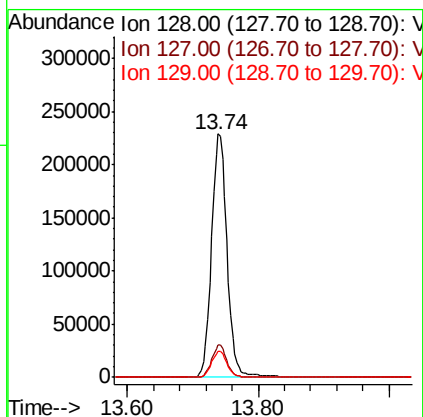
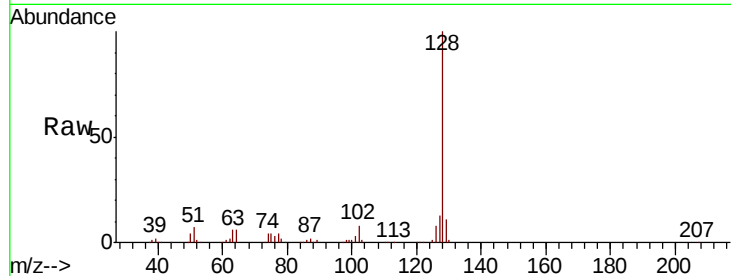
#95
Naphthalene
Concen: 50.124 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.5	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/11/2019 10:03:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.296 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029129.D
Acq: 10 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.1	144.3
145	29.2	14.8	44.4

