

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110618\
 Data File : VU027989.D
 Acq On : 06 Nov 2018 16:27
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/7/2018 11:15:51 AM

Quant Time: Nov 06 16:47:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	207337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	353112	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	329360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	166555	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	148009	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.02%	
35) Dibromofluoromethane	4.88	113	112863	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
50) Toluene-d8	7.57	98	430084	50.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	10.31	95	165094	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	102900	39.057	ug/l	100
3) Chloromethane	1.33	50	141778	44.496	ug/l	97
4) Vinyl Chloride	1.40	62	138157	43.687	ug/l	99
5) Bromomethane	1.62	94	52861	41.870	ug/l	98
6) Chloroethane	1.69	64	86119	47.255	ug/l	98
7) Trichlorofluoromethane	1.88	101	168000	45.973	ug/l	96
8) Diethyl Ether	2.11	74	75183	48.049	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	100662	46.369	ug/l	99
10) Methyl Iodide	2.41	142	56964	31.897	ug/l	98
11) Tert butyl alcohol	2.83	59	172501	211.382	ug/l	99
12) 1,1-Dichloroethene	2.29	96	92617	42.622	ug/l	99
13) Acrolein	2.20	56	82781	276.489	ug/l	99
14) Allyl chloride	2.59	41	232437	43.766	ug/l	99
15) Acrylonitrile	2.94	53	465512	232.223	ug/l	100
16) Acetone	2.32	43	425485	222.470	ug/l	98
17) Carbon Disulfide	2.48	76	297788	41.926	ug/l	99
18) Methyl Acetate	2.61	43	237365	45.117	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	413388	47.174	ug/l	98
20) Methylene Chloride	2.70	84	127135	45.528	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	110879	44.215	ug/l	99
22) Diisopropyl ether	3.57	45	515966	47.058	ug/l	99
23) Vinyl Acetate	3.52	43	2229750	236.622	ug/l	100
24) 1,1-Dichloroethane	3.45	63	250257	45.823	ug/l	99
25) 2-Butanone	4.26	43	690007	226.775	ug/l	98
26) 2,2-Dichloropropane	4.23	77	192141	46.880	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	135793	48.288	ug/l	100
28) Bromochloromethane	4.55	49	123678	48.305	ug/l	99
29) Tetrahydrofuran	4.64	42	440886	217.001	ug/l	98
30) Chloroform	4.67	83	230317	45.994	ug/l	100
31) Cyclohexane	5.00	56	239703	44.541	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	187919	47.143	ug/l	98
36) 1,1-Dichloropropene	5.14	75	170845	46.196	ug/l	99
37) Ethyl Acetate	4.38	43	245066	45.225	ug/l	100
38) Carbon Tetrachloride	5.14	117	152795	46.620	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	213790	47.929	ug/l	99
40) Benzene	5.39	78	532510	47.096	ug/l	98
41) Methacrylonitrile	4.54	41	141736	49.012	ug/l	99
42) 1,2-Dichloroethane	5.40	62	186131	46.311	ug/l	99
43) Isopropyl Acetate	5.55	43	400080	47.126	ug/l	99
44) Trichloroethene	6.19	130	116654	47.996	ug/l	98
45) 1,2-Dichloropropane	6.43	63	155860	47.797	ug/l	97
46) Dibromomethane	6.56	93	89910	47.968	ug/l	98
47) Bromodichloromethane	6.76	83	178127	49.314	ug/l	100
48) Methyl methacrylate	6.62	41	199728	48.008	ug/l	99
49) 1,4-Dioxane	6.61	88	62915	926.923	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	1296997	228.762	ug/l	99
52) Toluene	7.64	92	320567	48.225	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	208600	46.645	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	226347	50.831	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	129668	47.947	ug/l	97
56) Ethyl methacrylate	8.02	69	237296	49.756	ug/l	99
57) 1,3-Dichloropropane	8.24	76	236075	47.921	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	630705	246.921	ug/l	99
59) 2-Hexanone	8.36	43	1017856	232.118	ug/l	99
60) Dibromochloromethane	8.48	129	131883	51.534	ug/l	98
61) 1,2-Dibromoethane	8.59	107	140383	48.852	ug/l	98
64) Tetrachloroethene	8.23	164	98391	46.071	ug/l	98
65) Chlorobenzene	9.12	112	334826	48.118	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	115906	48.766	ug/l	99
67) Ethyl Benzene	9.25	91	627332	48.979	ug/l	99
68) m/p-Xylenes	9.38	106	459243	98.818	ug/l	99
69) o-Xylene	9.78	106	227504	48.479	ug/l	99
70) Styrene	9.79	104	372686	49.703	ug/l	100
71) Bromoform	9.96	173	100208	50.307	ug/l #	100
73) Isopropylbenzene	10.17	105	613649	47.559	ug/l	100
74) N-amyl acetate	10.01	43	365968	46.906	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	240544	46.217	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	240379m	52.764	ug/l	
77) Bromobenzene	10.45	156	139511	47.154	ug/l	98
78) n-propylbenzene	10.59	91	758555	49.114	ug/l	100
79) 2-Chlorotoluene	10.66	91	434846	46.972	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	513532	48.045	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	96739m	53.002	ug/l	
82) 4-Chlorotoluene	10.77	91	500033	47.577	ug/l	99
83) tert-Butylbenzene	11.10	119	504467	47.210	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	527049	48.969	ug/l	99
85) sec-Butylbenzene	11.32	105	644265	49.577	ug/l	99
86) p-Isopropyltoluene	11.48	119	540957	49.795	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	263131	48.145	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	266995	47.662	ug/l	99
89) n-Butylbenzene	11.89	91	537215	52.033	ug/l	99
90) Hexachloroethane	12.15	117	94164	48.685	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	266147	48.423	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	52264	47.656	ug/l	99

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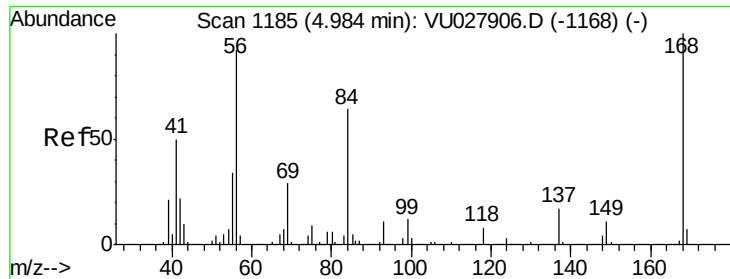
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	186062	48.294	ug/l	99
94) Hexachlorobutadiene	13.69	225	89793	51.404	ug/l	99
95) Naphthalene	13.74	128	643397	47.083	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	191479	51.918	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 207337

Ion Ratio Lower Upper

168 100

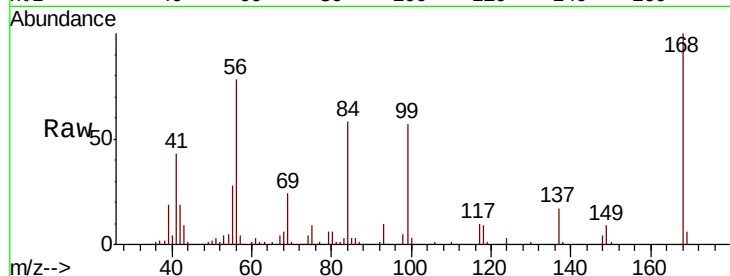
99 57.1 47.9 71.9

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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.98

100000

80000

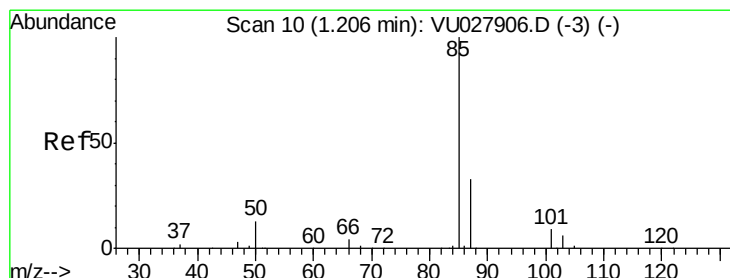
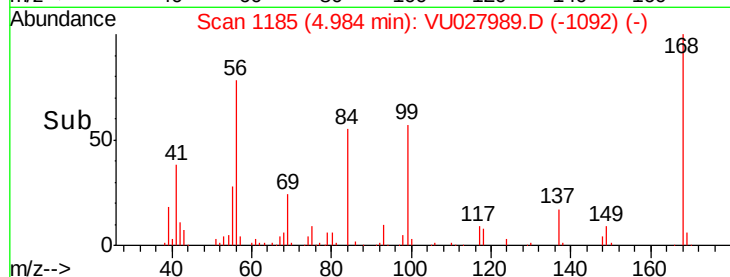
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 39.057 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027989.D

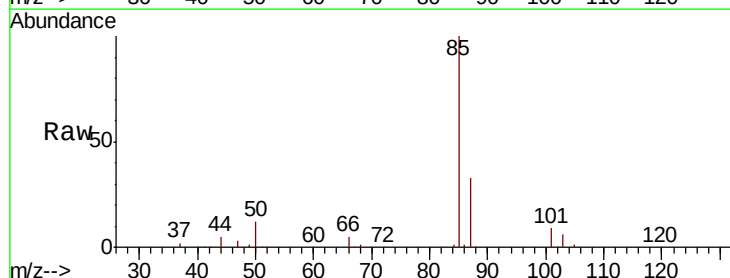
Acq: 06 Nov 2018 16:27

Tgt Ion: 85 Resp: 102900

Ion Ratio Lower Upper

85 100

87 32.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

100000

80000

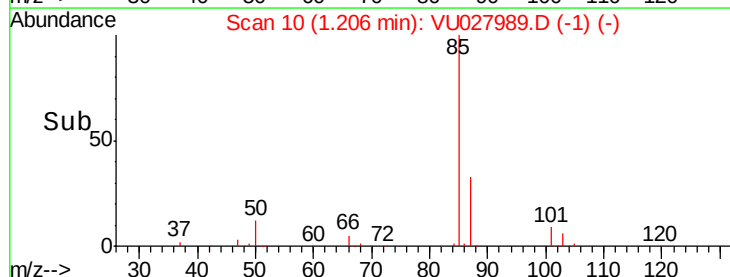
60000

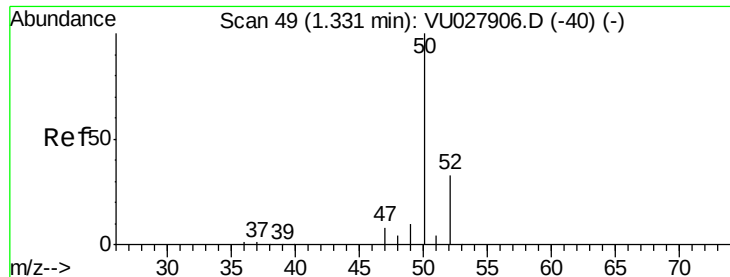
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.496 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 141778

Ion Ratio Lower Upper

50 100

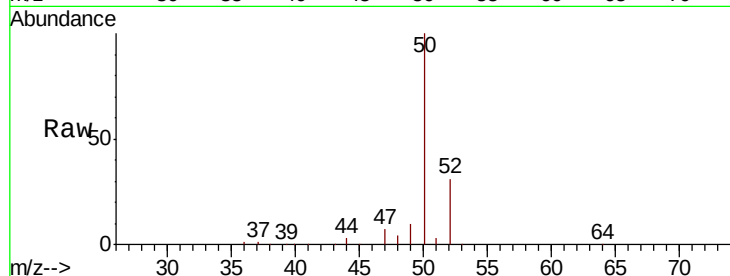
52 31.2 26.2 39.4

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

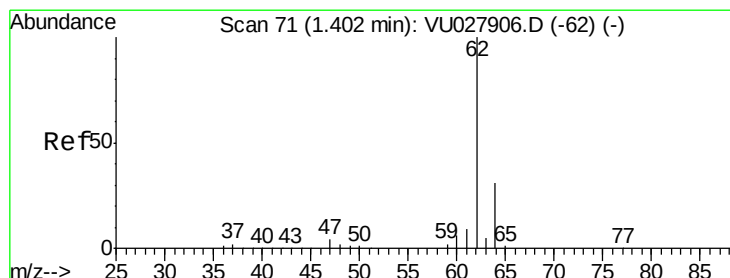
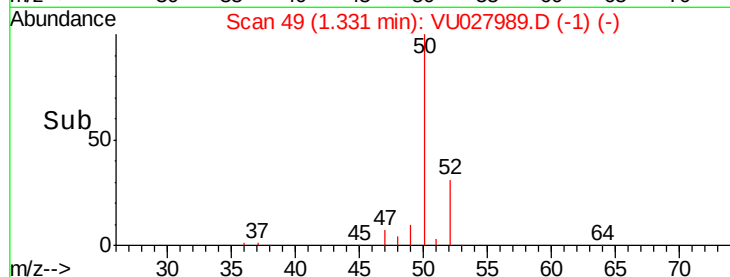
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 43.687 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027989.D

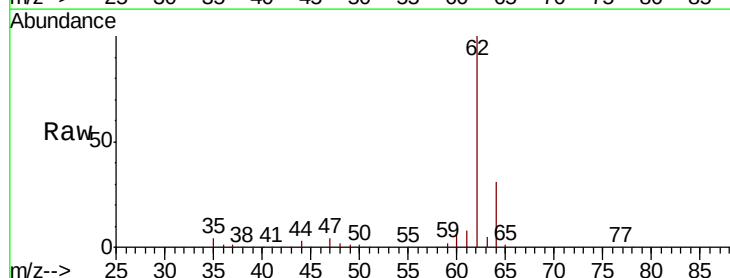
Acq: 06 Nov 2018 16:27

Tgt Ion: 62 Resp: 138157

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

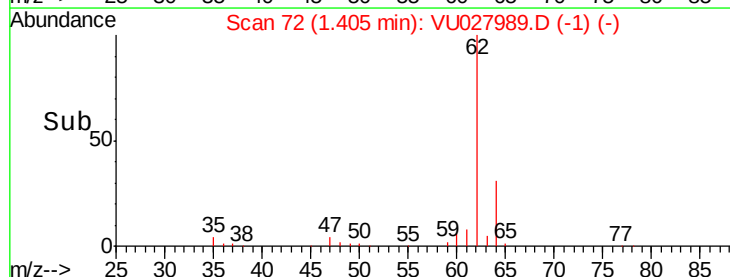
150000

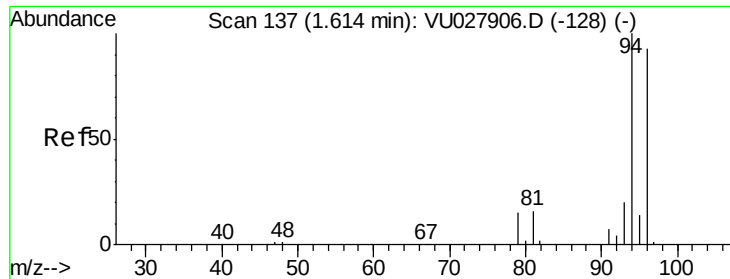
100000

50000

0

Time-->





#5

Bromomethane

Concen: 41.870 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 52861

Ion Ratio Lower Upper

94 100

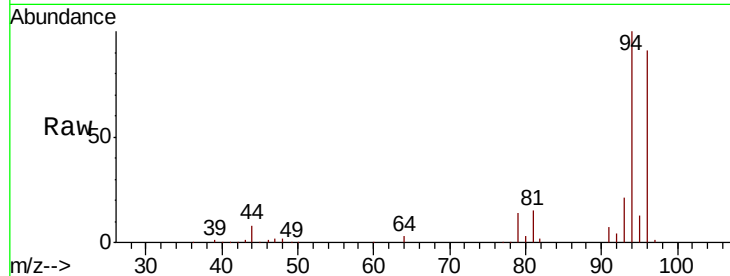
96 91.4 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

40000

30000

20000

10000

0

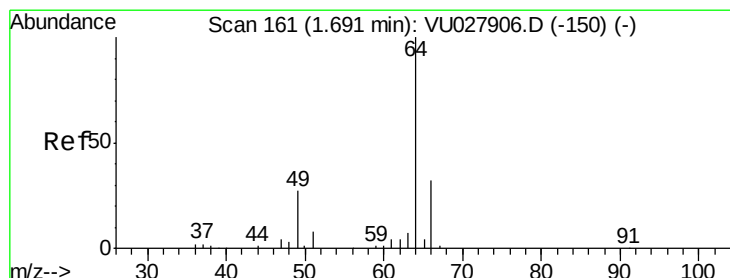
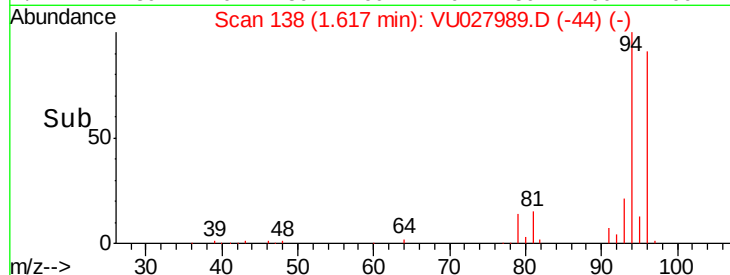
Time-->

1.55

1.60

1.65

1.70



#6

Chloroethane

Concen: 47.255 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027989.D

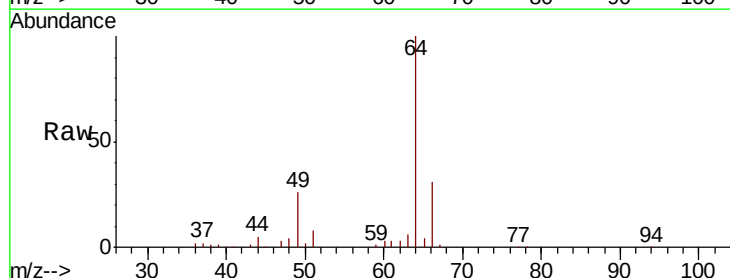
Acq: 06 Nov 2018 16:27

Tgt Ion: 64 Resp: 86119

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

60000

40000

20000

0

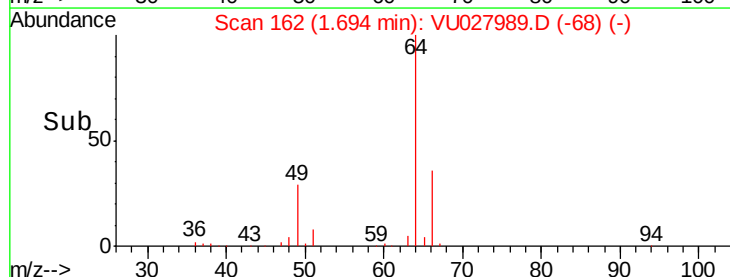
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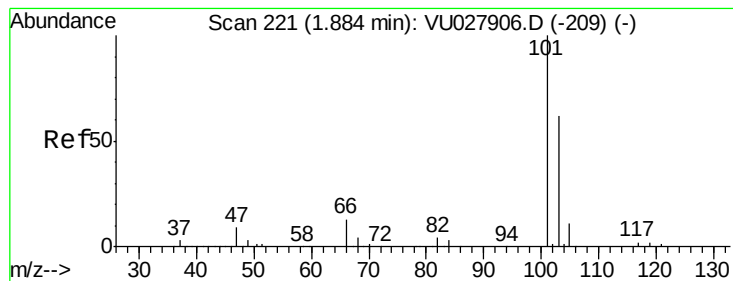
1.65

1.70

1.75

1.80





#7

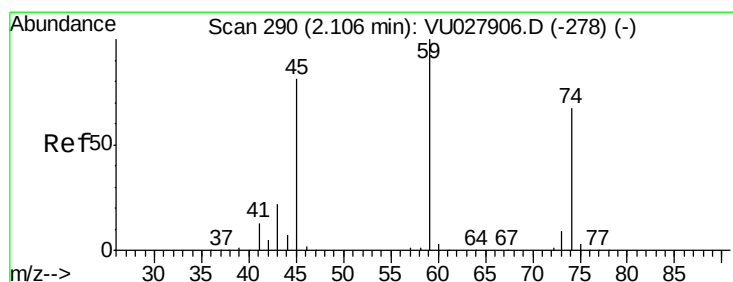
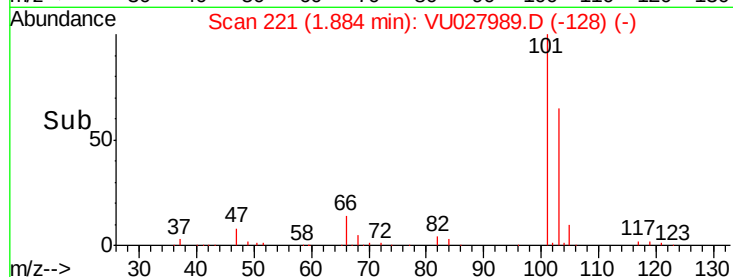
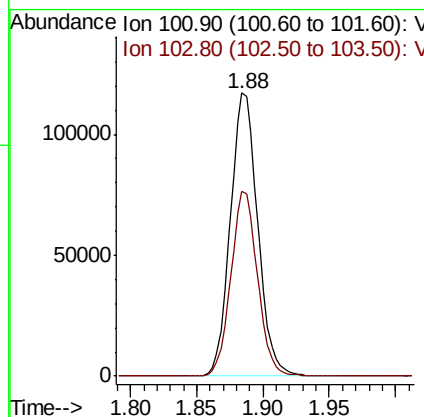
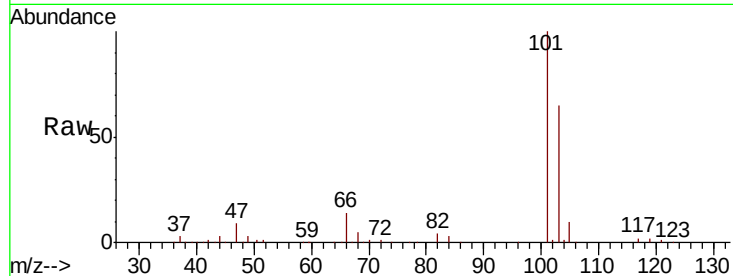
Trichlorofluoromethane
Concen: 45.973 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 168000
Ion Ratio Lower Upper
101 100
103 65.1 49.4 74.2

Manual Integrations
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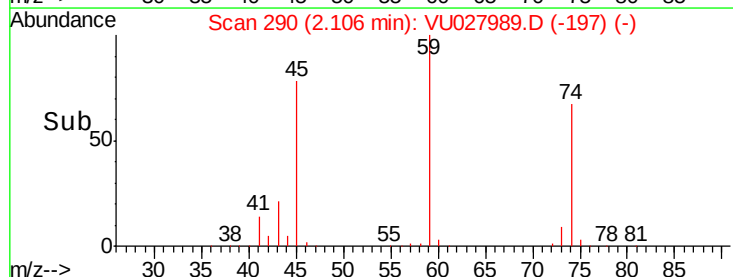
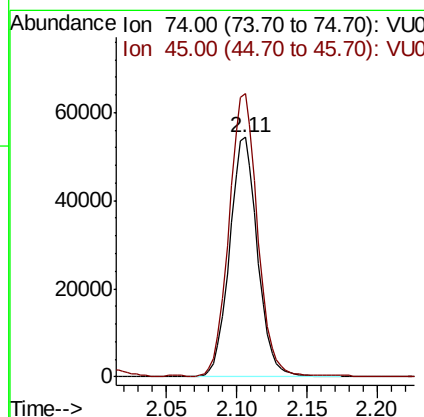
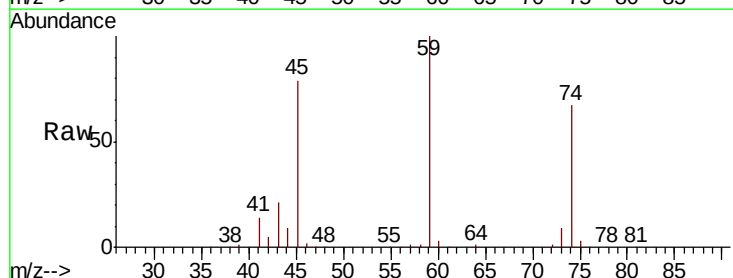
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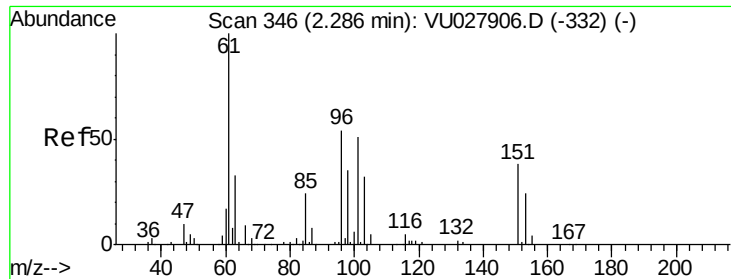


#8

Diethyl Ether
Concen: 48.049 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion: 74 Resp: 75183
Ion Ratio Lower Upper
74 100
45 119.5 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.369 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

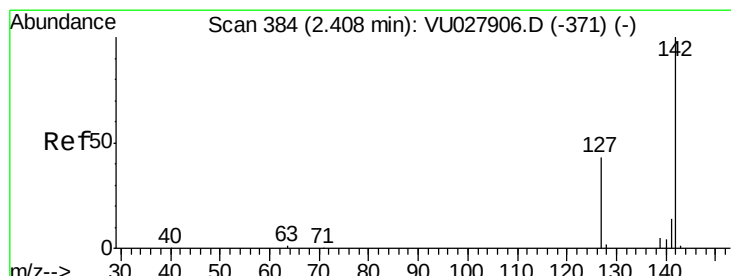
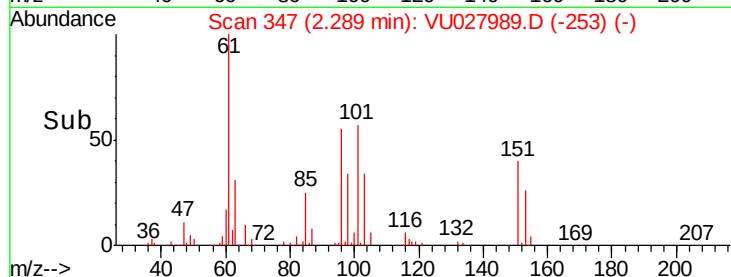
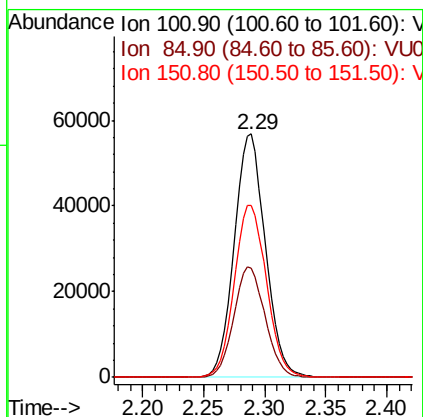
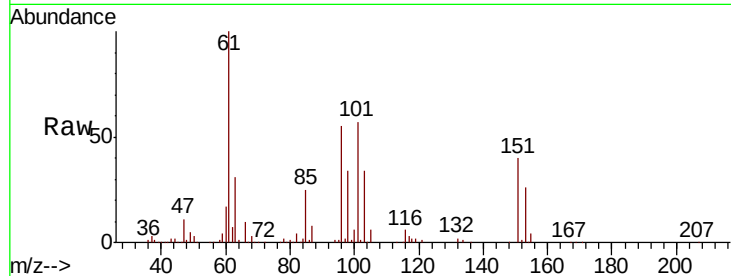
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	100662
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.9	55.3
151	72.9	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 31.897 ug/l

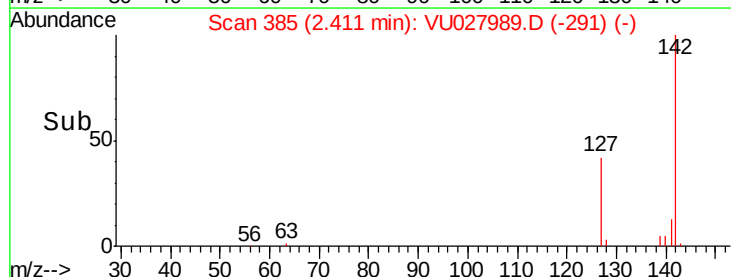
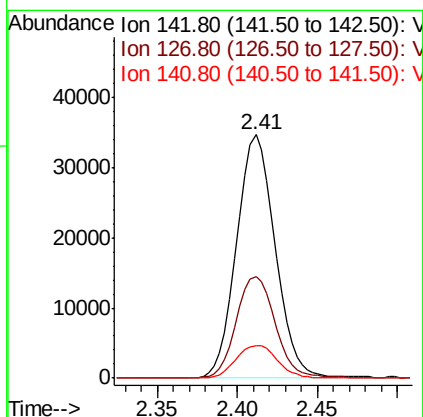
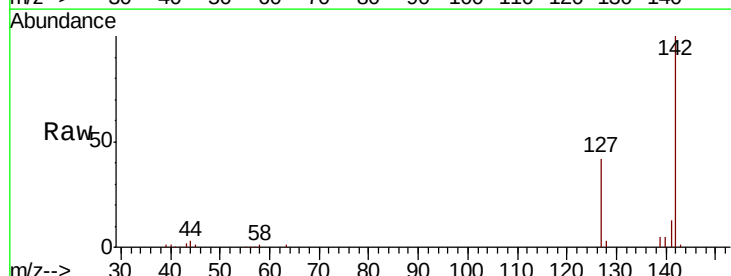
RT: 2.41 min Scan# 385

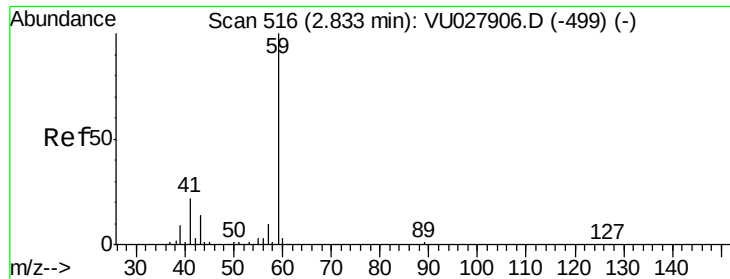
Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Tgt Ion:	142	Resp:	56964
Ion Ratio	Lower	Upper	
142	100		
127	42.3	35.2	52.8
141	14.3	11.8	17.8





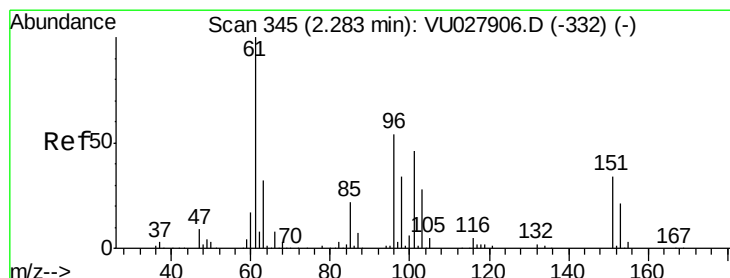
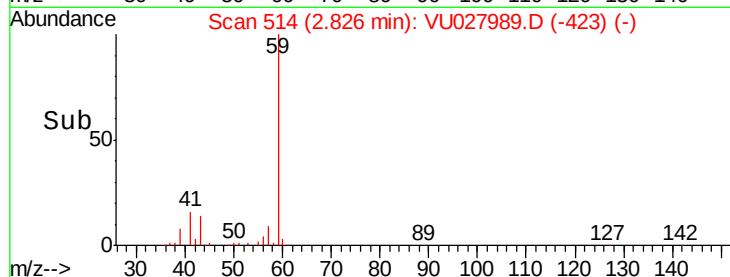
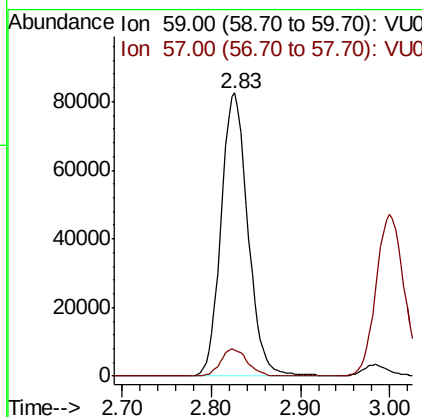
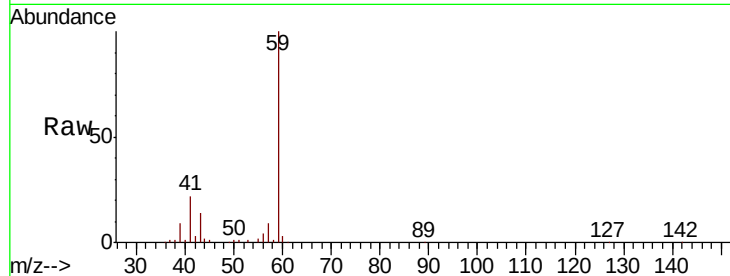
#11
Tert butyl alcohol
Concen: 211.382 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

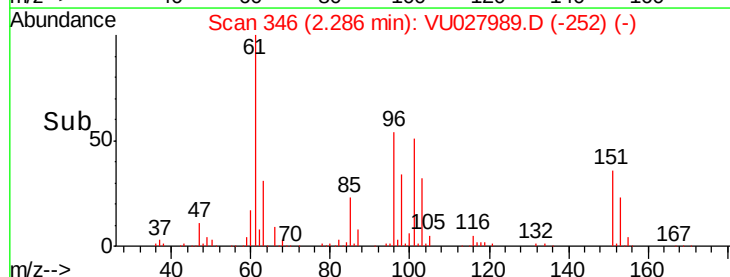
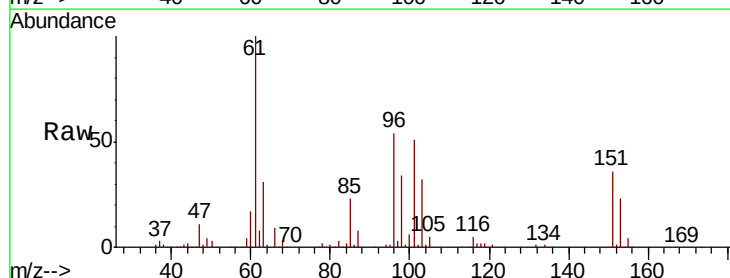
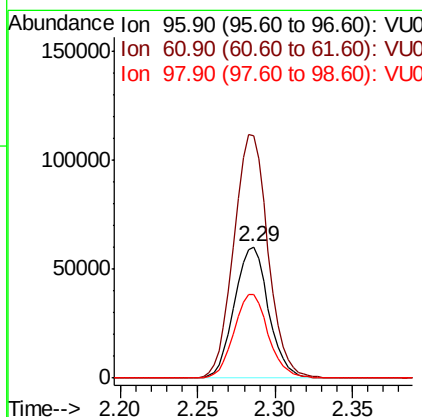
Manual Integrations
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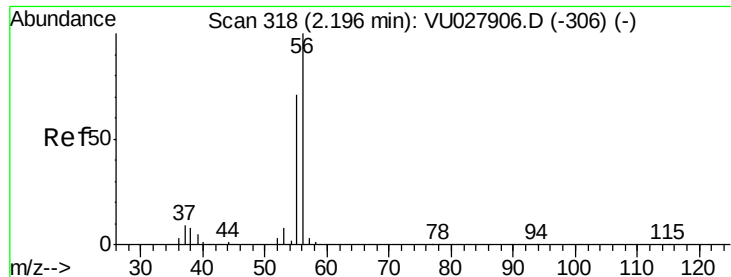
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#12
1,1-Dichloroethene
Concen: 42.622 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.9	149.3	223.9
98	63.7	50.6	75.8





#13

Acrolein

Concen: 276.489 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 82781

Ion Ratio Lower Upper

56 100

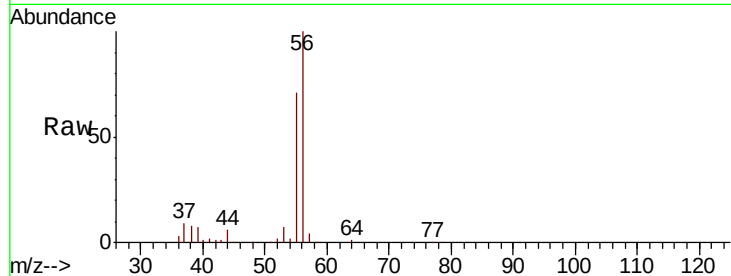
55 70.8 56.2 84.4

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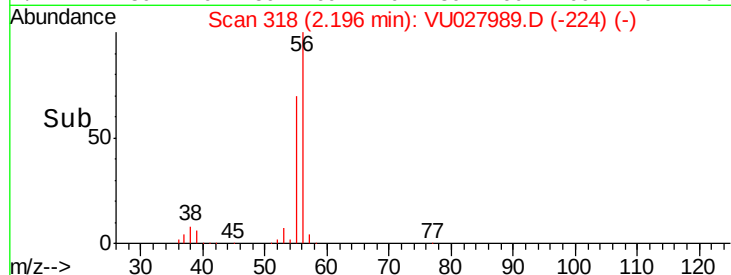


Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)

2.20

Time-->

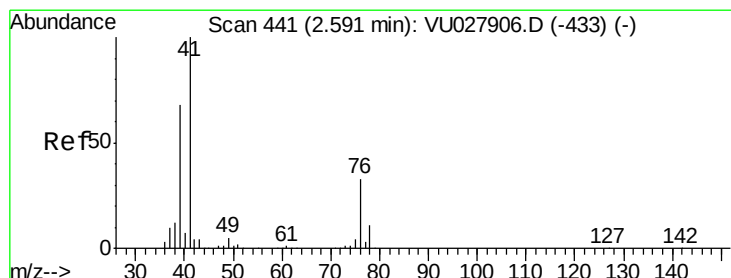


Abundance Ion 56.00 (55.70 to 56.70): VU027989.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU027989.D (-224) (-)

2.20

Time-->



#14

Allyl chloride

Concen: 43.766 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

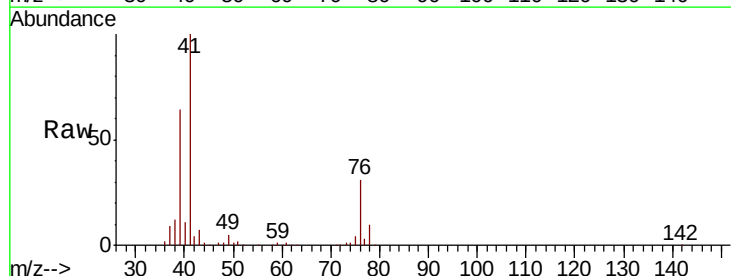
Tgt Ion: 41 Resp: 232437

Ion Ratio Lower Upper

41 100

39 65.1 51.9 77.9

76 30.4 23.8 35.6



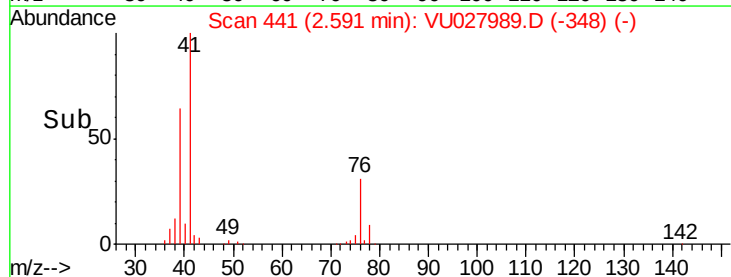
Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027906.D (-433) (-)

2.59

Time-->



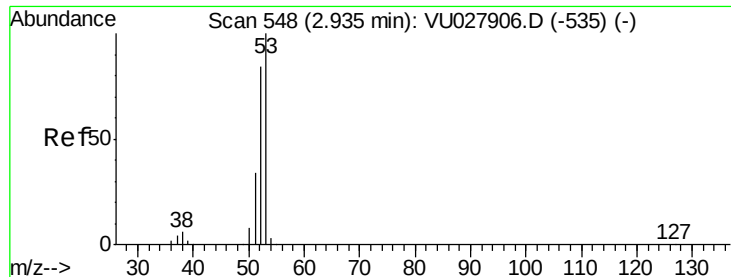
Abundance Ion 41.00 (40.70 to 41.70): VU027989.D (-348) (-)

Ion 39.00 (38.70 to 39.70): VU027989.D (-348) (-)

Ion 75.90 (75.60 to 76.60): VU027989.D (-348) (-)

2.59

Time-->



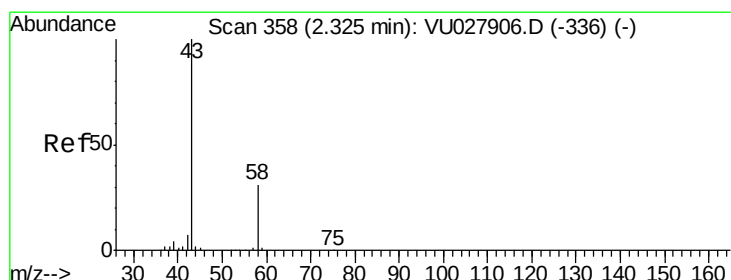
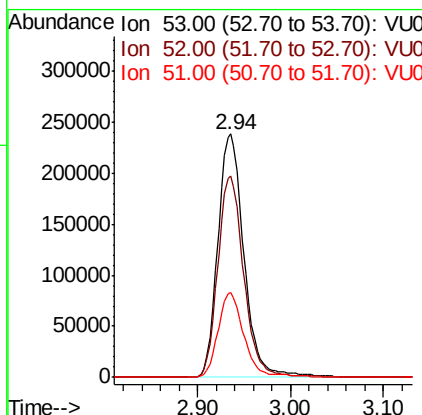
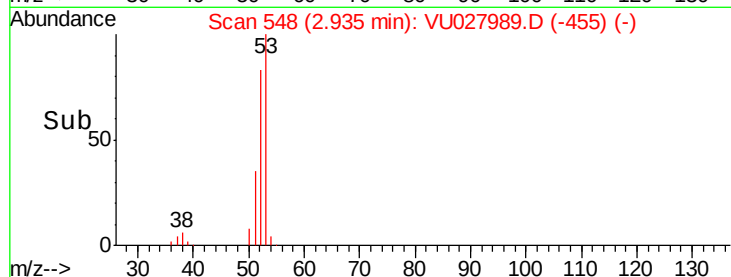
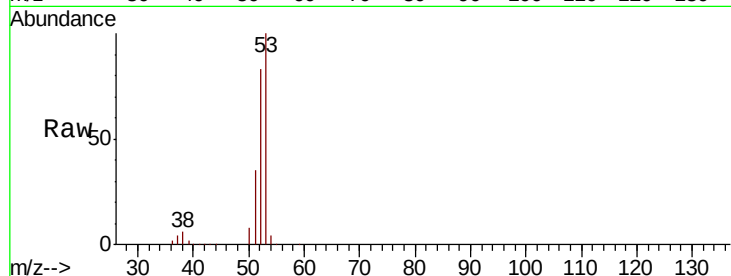
#15
 Acrylonitrile
 Concen: 232.223 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. -0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	465512
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.2	99.2
51	33.6	27.0	40.4

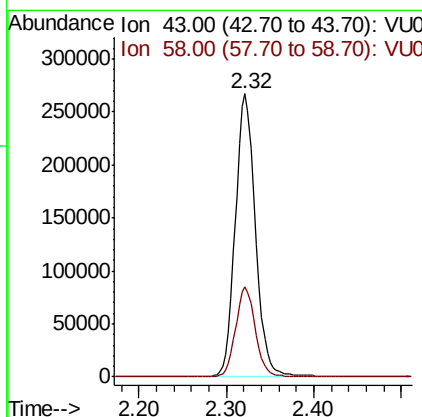
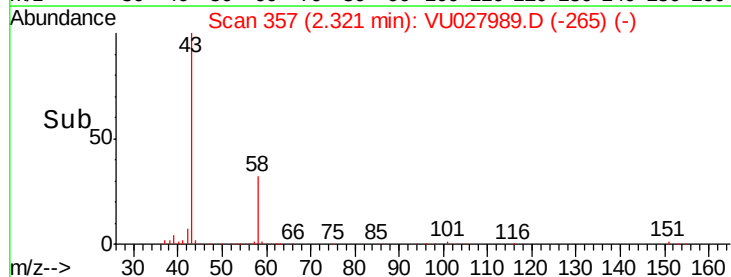
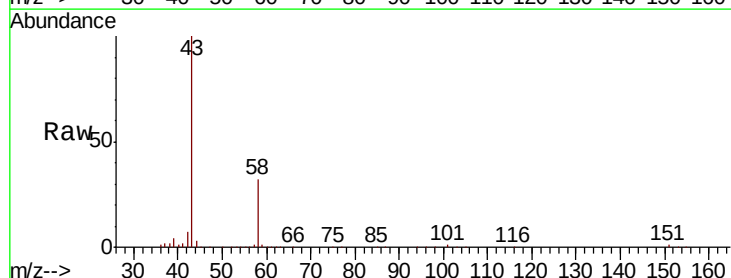
Manual Integrations
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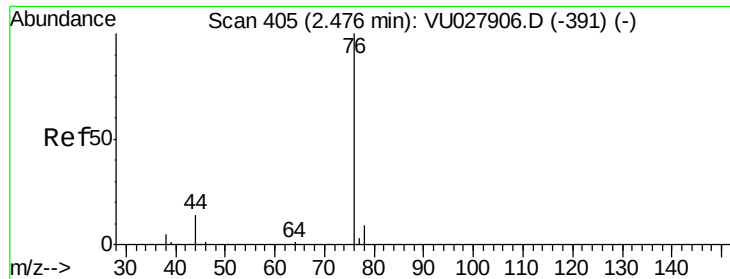
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 11/7/2018 11:15:51 AM



#16
 Acetone
 Concen: 222.470 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Tgt Ion:	43	Resp:	425485
Ion Ratio	Lower	Upper	
43	100		
58	31.7	24.6	37.0





#17

Carbon Disulfide

Concen: 41.926 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 297788

Ion Ratio Lower Upper

76 100

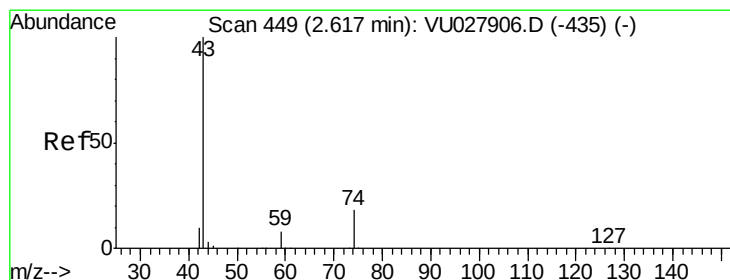
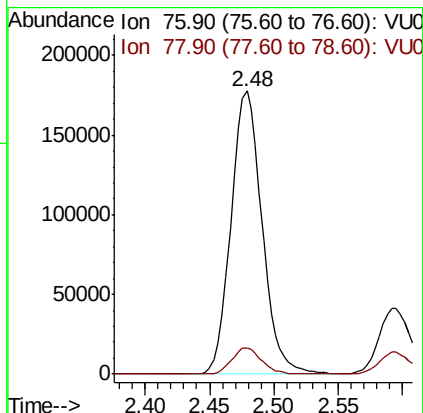
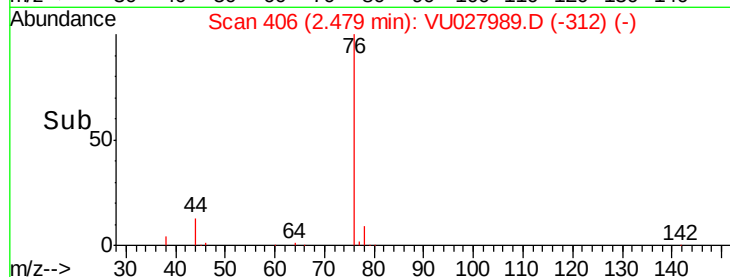
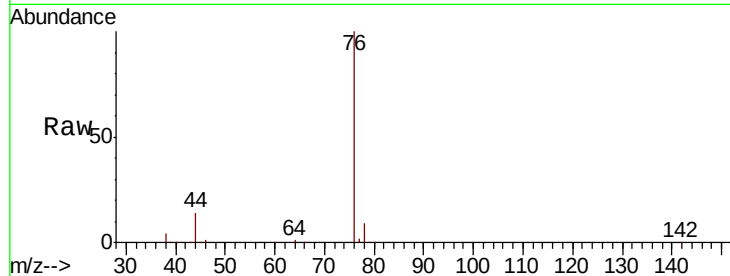
78 9.4 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 45.117 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU027989.D

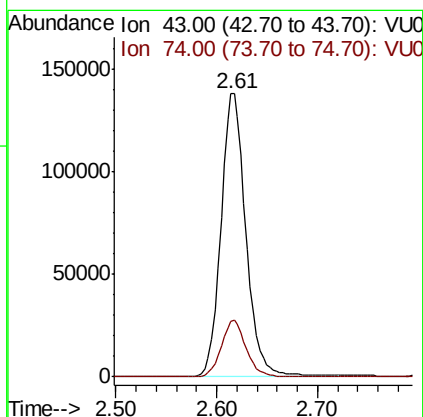
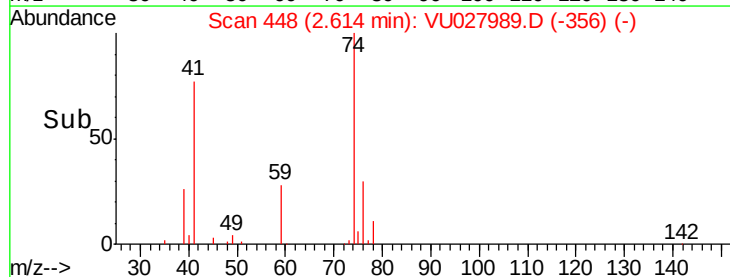
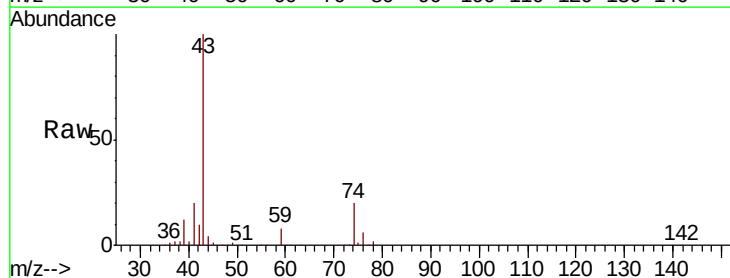
Acq: 06 Nov 2018 16:27

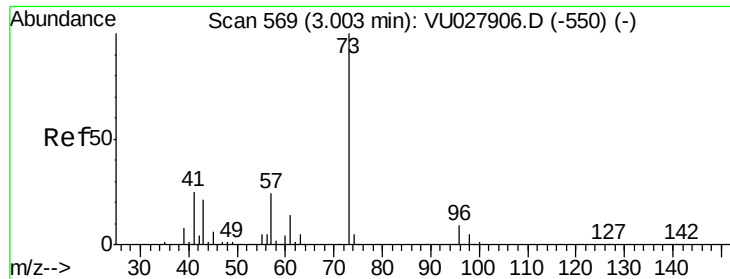
Tgt Ion: 43 Resp: 237365

Ion Ratio Lower Upper

43 100

74 20.0 14.9 22.3





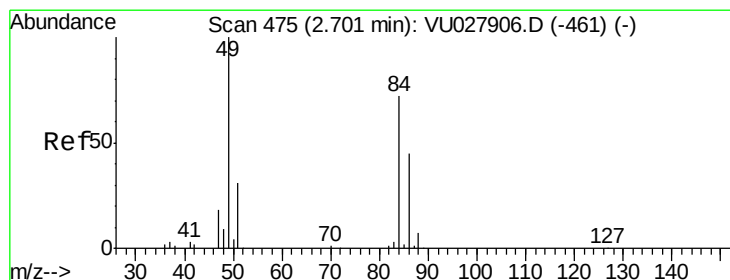
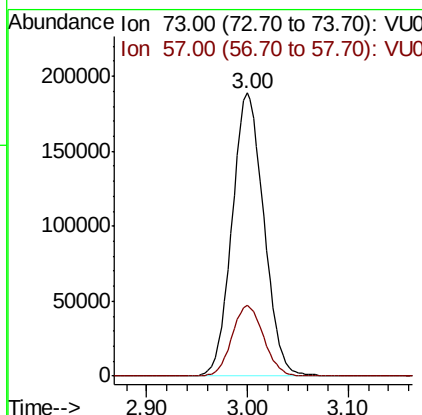
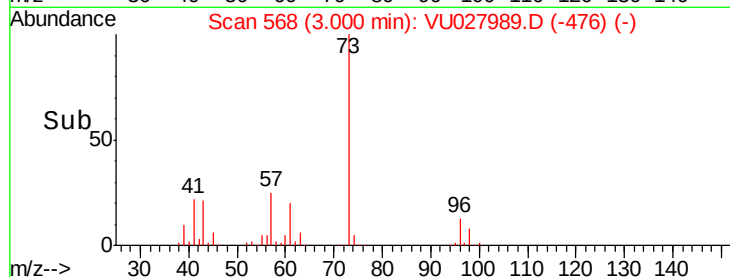
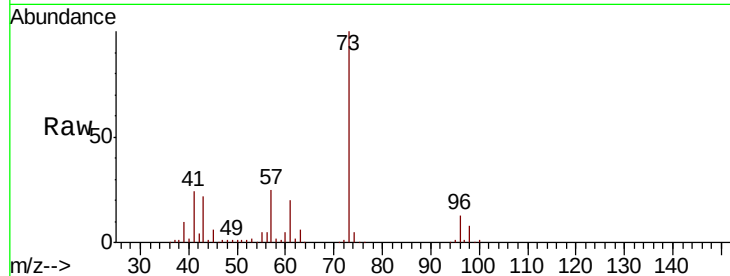
#19
Methvl tert-butyl Ether
Concen: 47.174 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.9	19.3	28.9

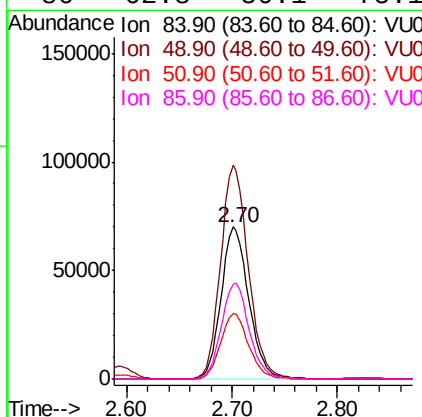
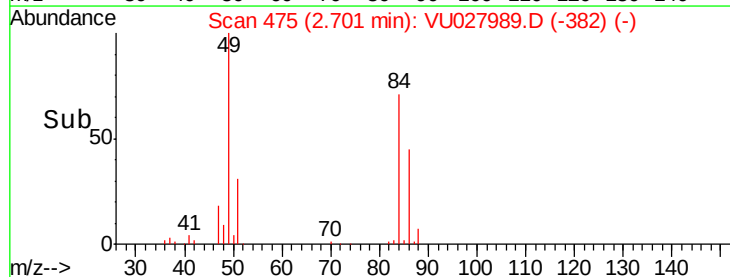
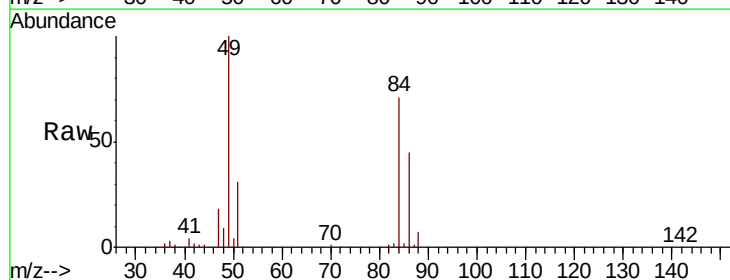
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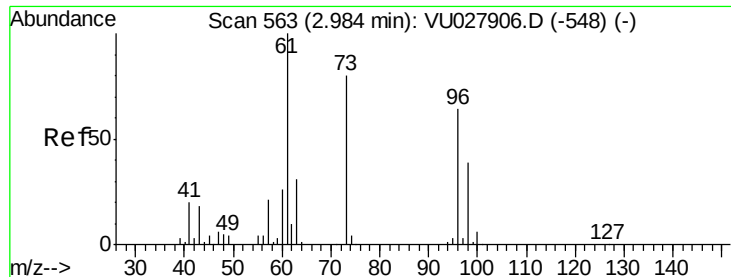
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#20
Methylene Chloride
Concen: 45.528 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.6	111.6	167.4
51	43.3	34.8	52.2
86	62.8	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 44.215 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 110879

Ion Ratio Lower Upper

96 100

61 157.0 125.0 187.6

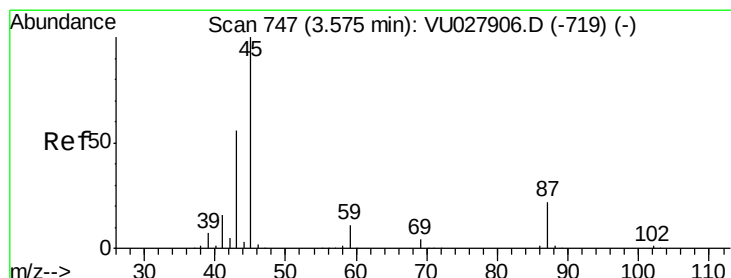
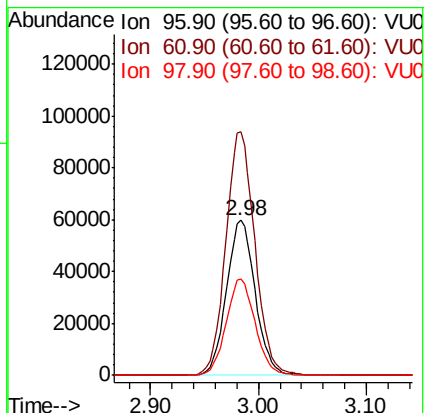
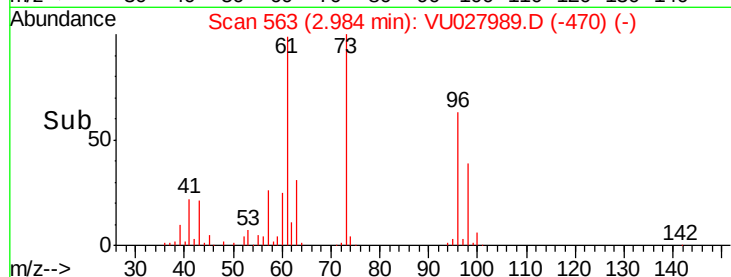
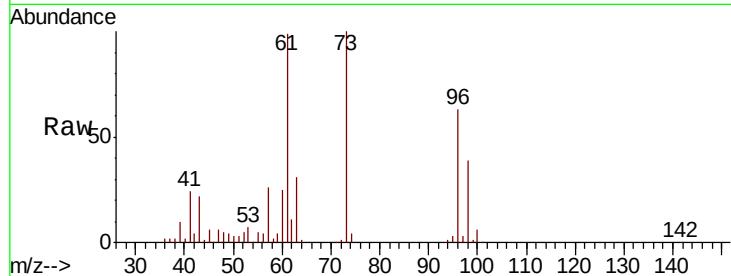
98 62.1 48.2 72.4

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#22

Diisopropyl ether

Concen: 47.058 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Tgt Ion: 45 Resp: 515966

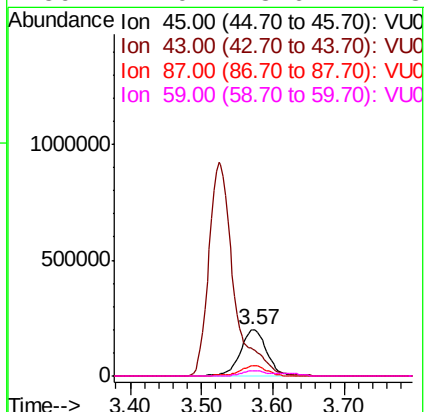
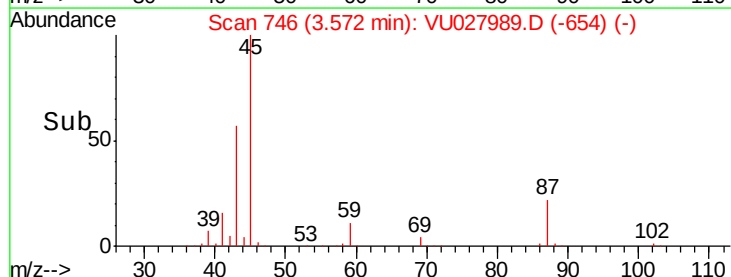
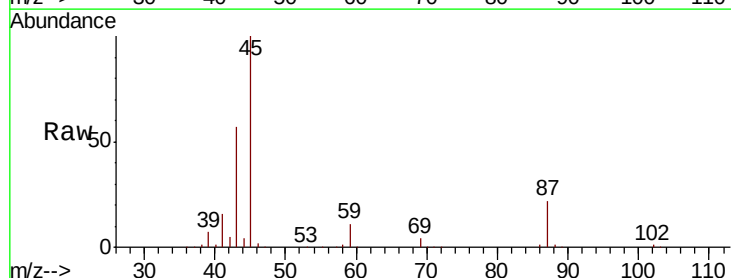
Ion Ratio Lower Upper

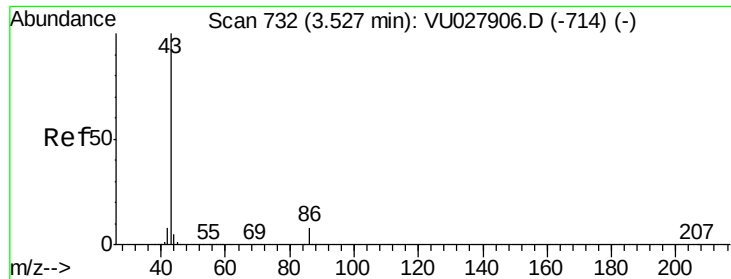
45 100

43 56.7 45.0 67.6

87 22.1 17.9 26.9

59 11.0 8.6 12.8





#23

Vinyl Acetate

Concen: 236.622 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 2229750

Ion Ratio Lower Upper

43 100

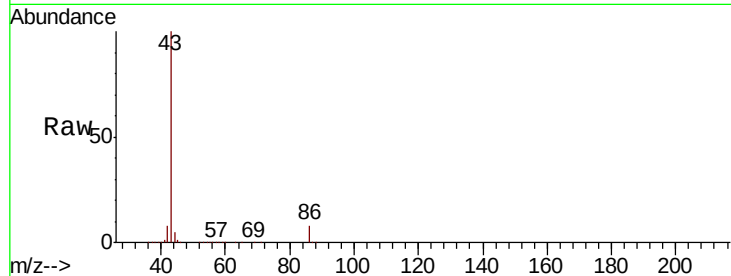
86 8.2 6.6 9.8

Manual Integrations

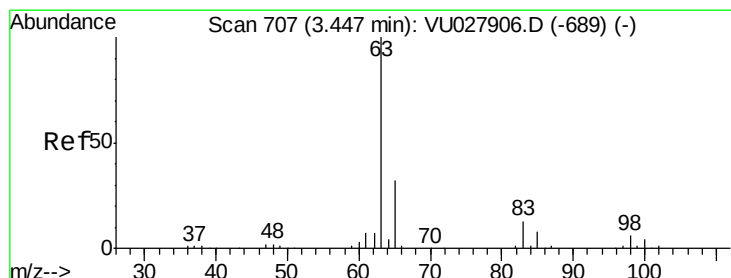
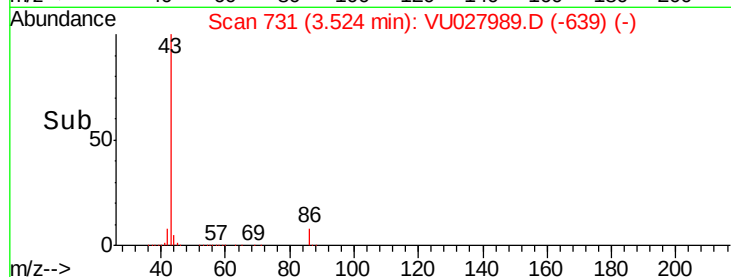
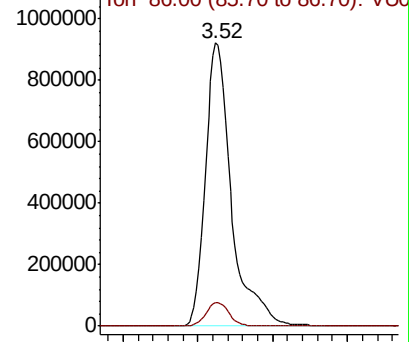
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Abundance Ion 43.00 (42.70 to 43.70): VU027989.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 45.823 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

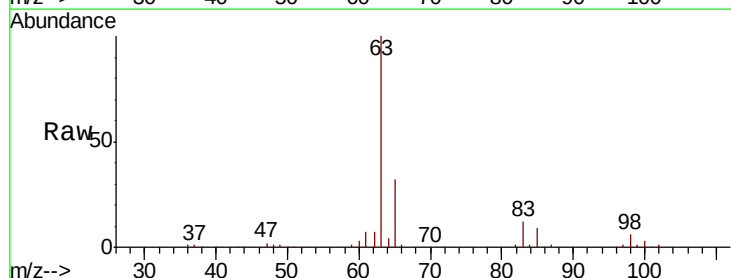
Tgt Ion: 63 Resp: 250257

Ion Ratio Lower Upper

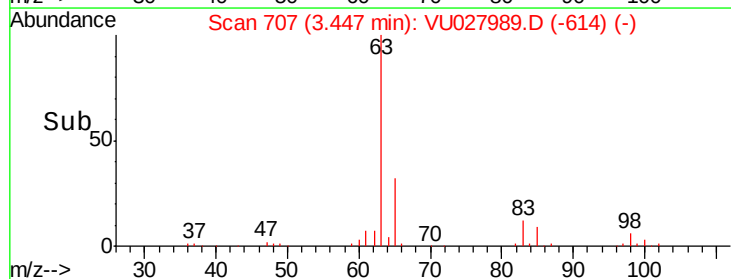
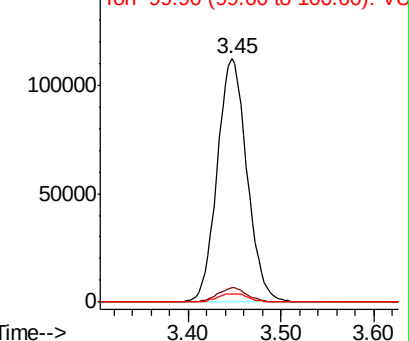
63 100

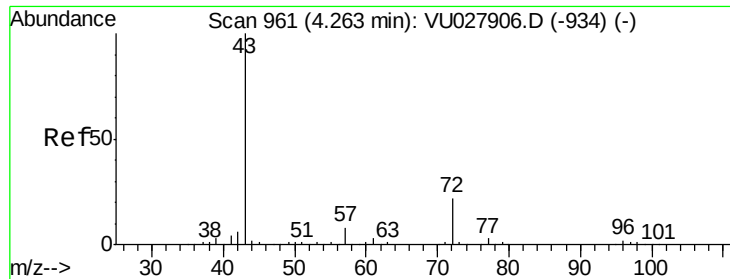
98 5.9 2.9 8.6

100 3.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027989.D (-614) (-)





#25

2-Butanone

Concen: 226.775 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 690007

Ion Ratio Lower Upper

43 100

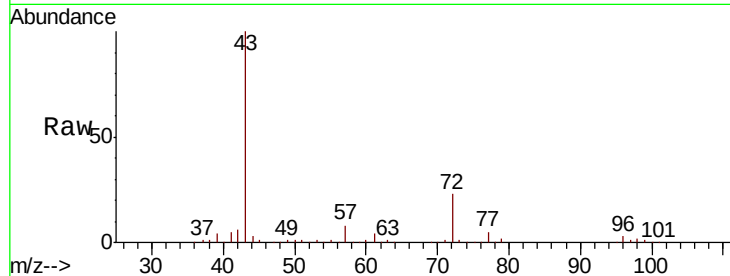
72 23.1 17.7 26.5

Manual Integrations

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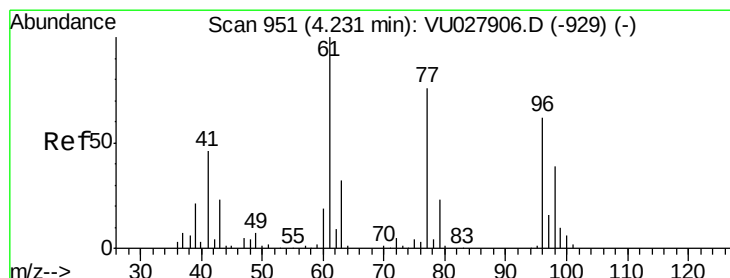
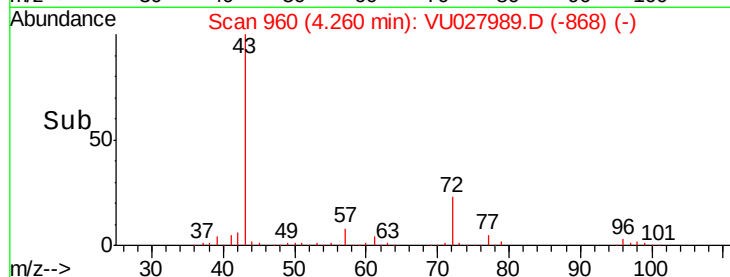
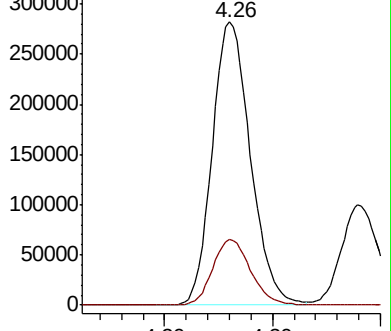
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 46.880 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027989.D

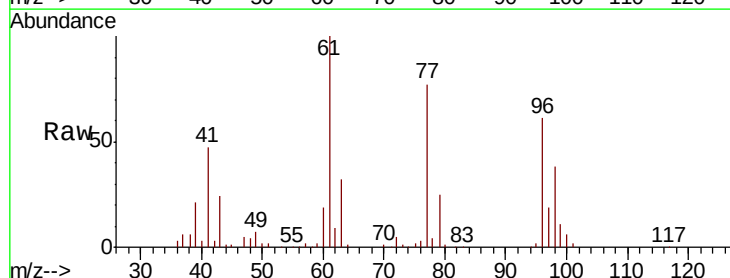
Acq: 06 Nov 2018 16:27

Tgt Ion: 77 Resp: 192141

Ion Ratio Lower Upper

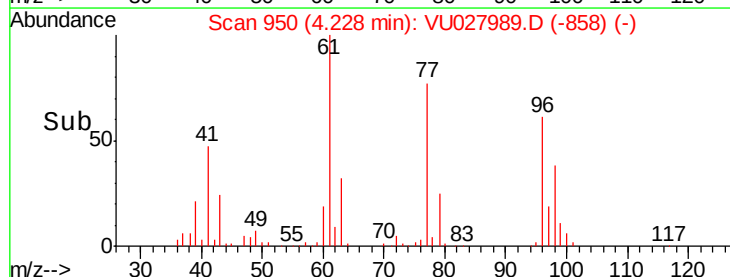
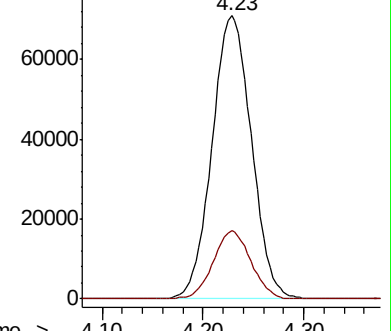
77 100

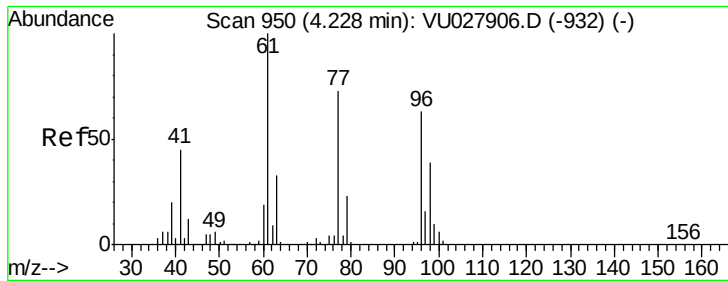
97 23.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

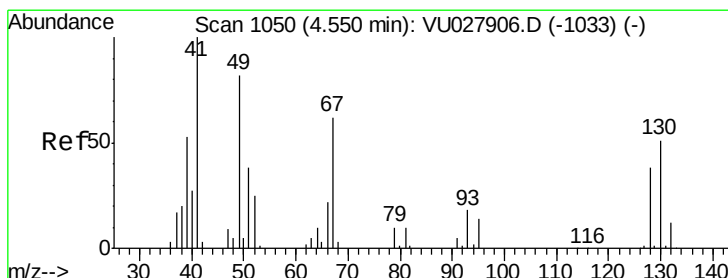
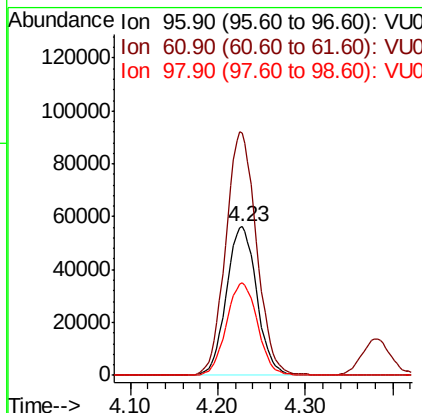
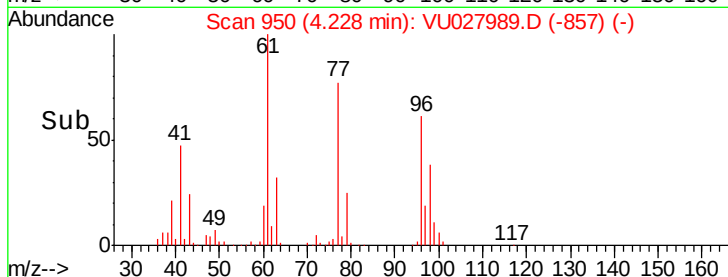
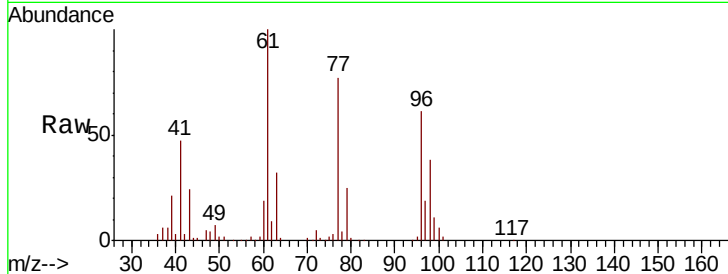
cis-1,2-Dichloroethene
Concen: 48.288 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.4	0.0	329.6
98	63.7	0.0	127.2

Manual Integrations
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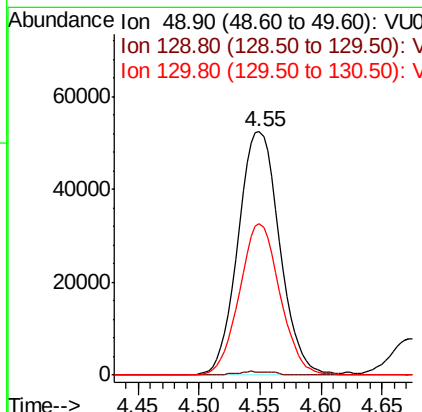
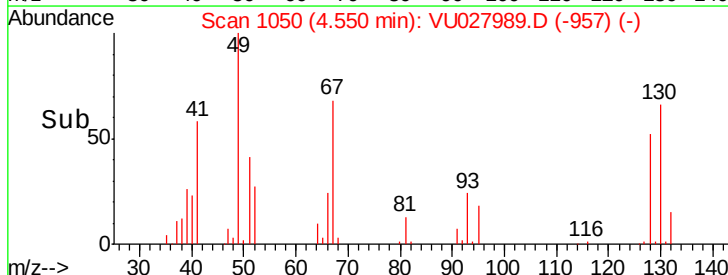
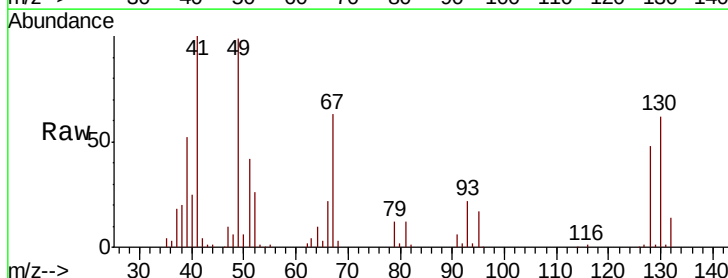
MMDadoda
11/7/2018 11:15:51 AM

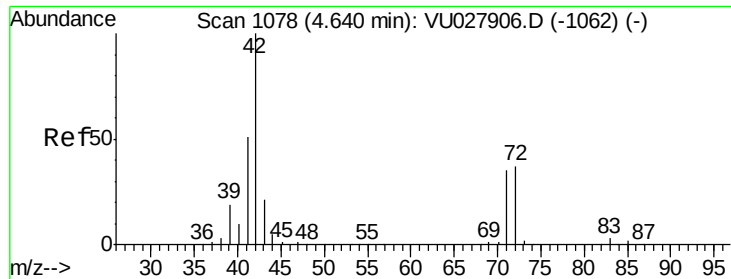


#28

Bromochloromethane
Concen: 48.305 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	60.5	47.8	71.6





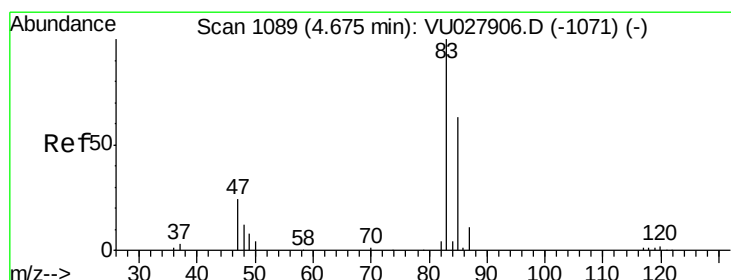
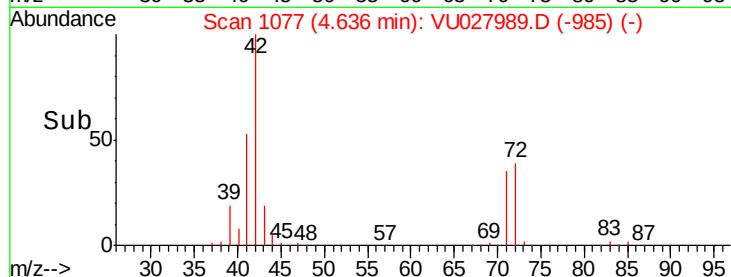
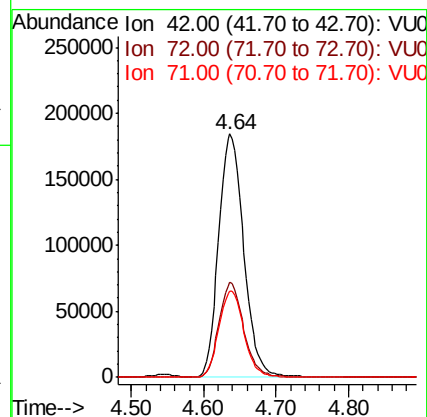
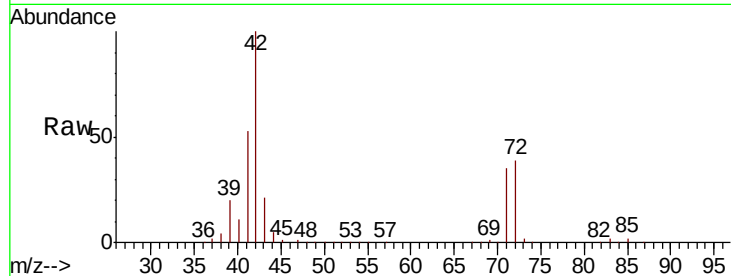
#29
Tetrahydrofuran
Concen: 217.001 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	29.4	44.0
71	35.5	27.9	41.9

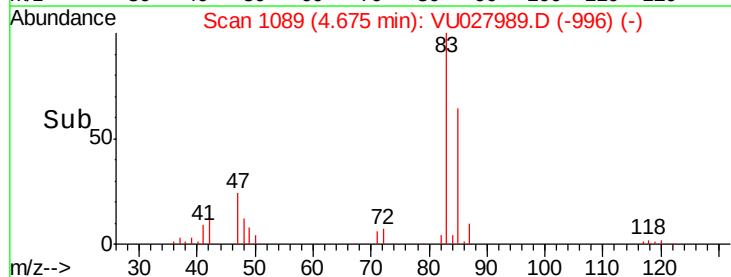
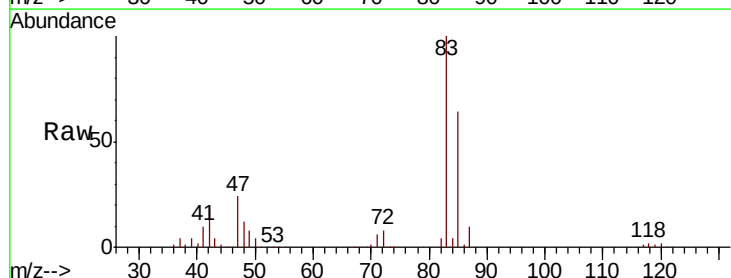
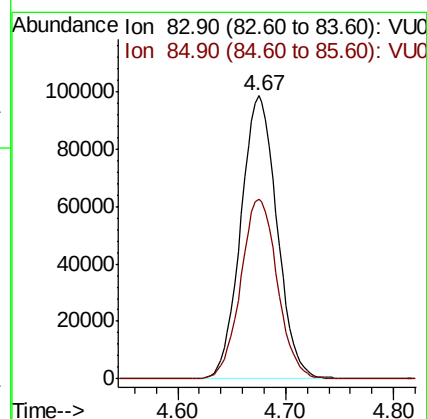
Manual Integrations
APPROVED

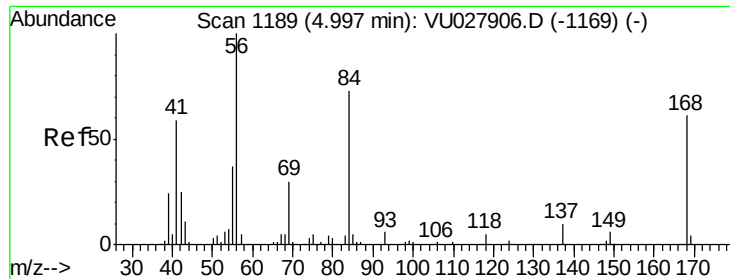
MMDadoda
11/7/2018 11:15:51 AM



#30
Chloroform
Concen: 45.994 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	76.0





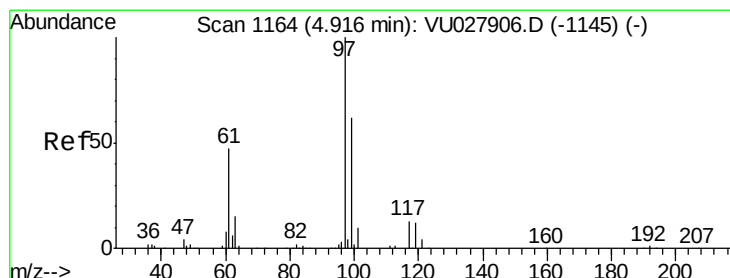
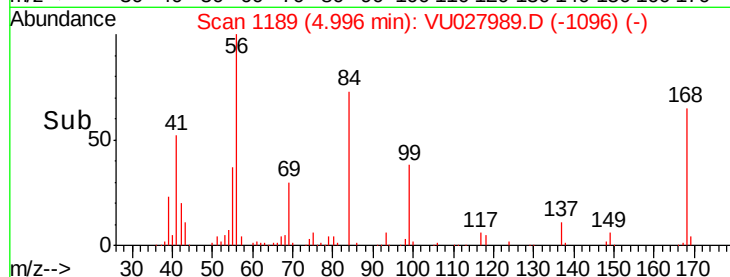
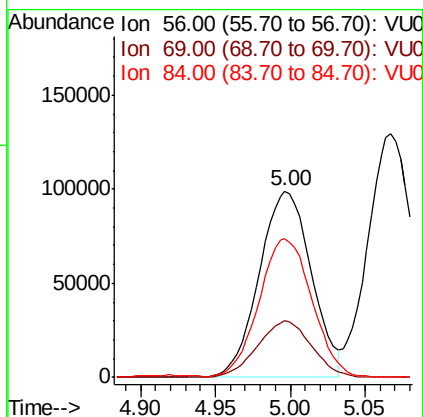
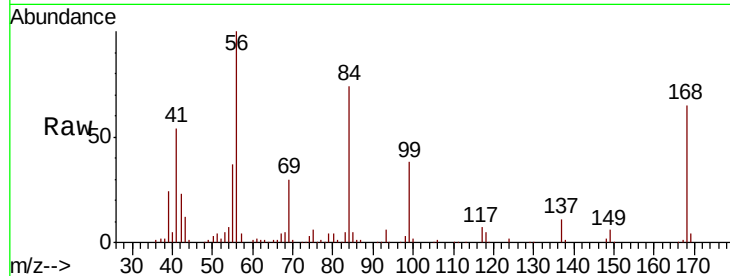
#31
Cyclohexane
Concen: 44.541 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.7	35.5
84	73.2	58.2	87.4

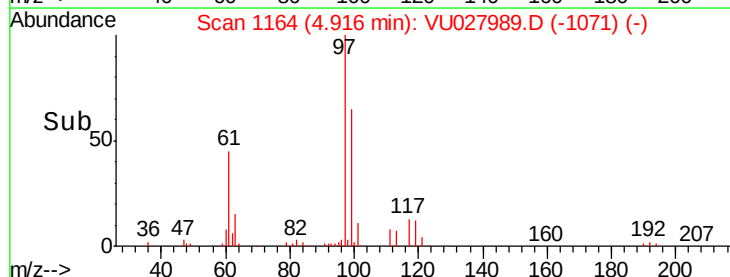
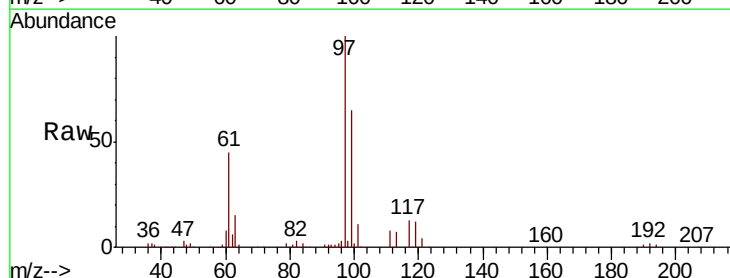
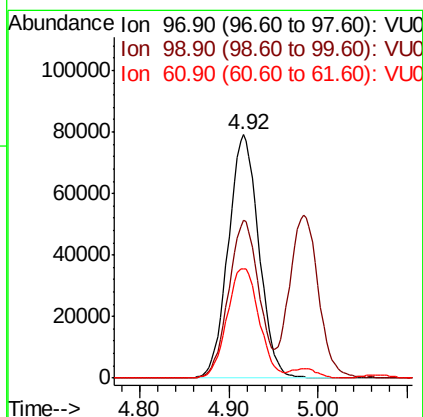
Manual Integrations
APPROVED

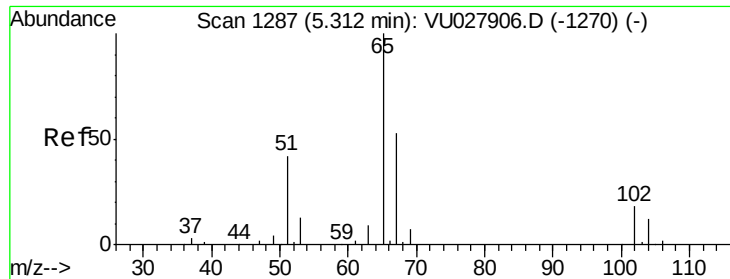
MMDadoda
11/7/2018 11:15:51 AM



#32
1,1,1-Trichloroethane
Concen: 47.143 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.5	75.7
61	47.3	38.3	57.5





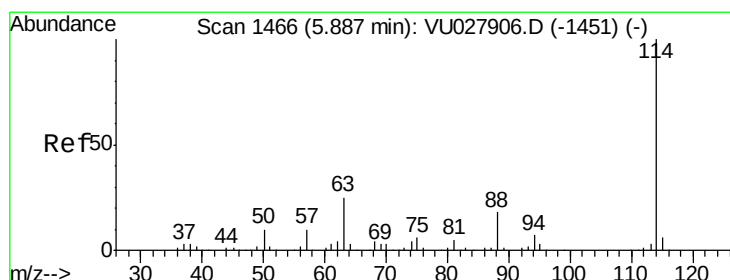
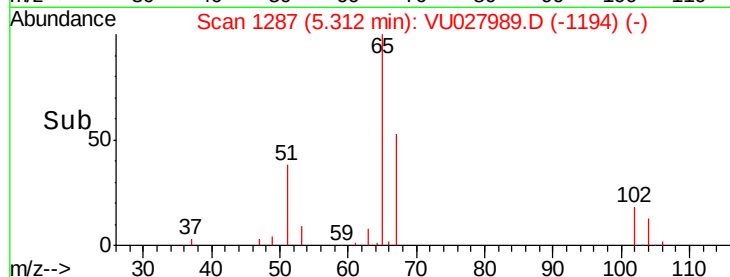
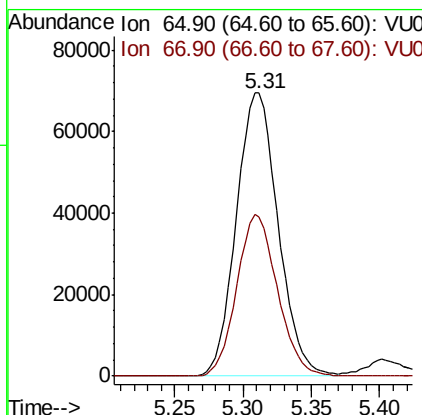
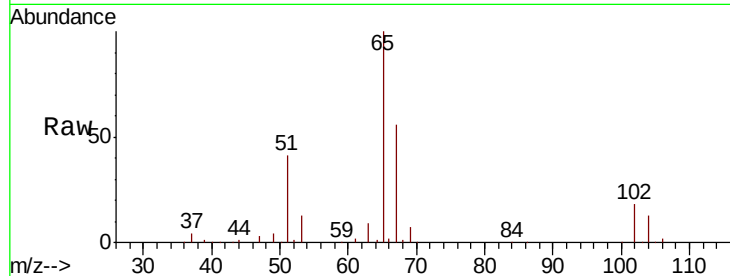
#33
 1,2-Dichloroethane-d4
 Concen: 48.015 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	109.0

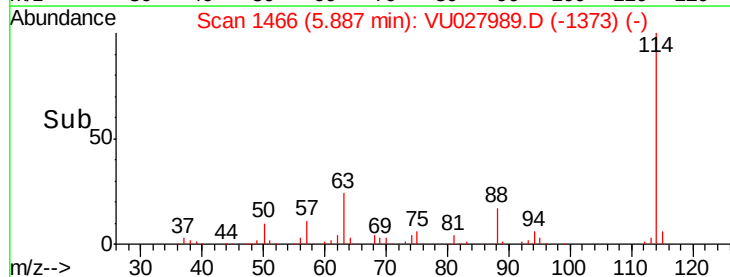
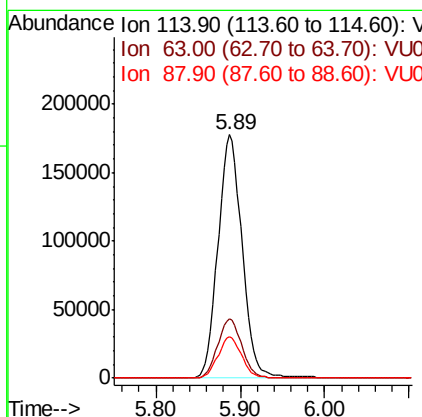
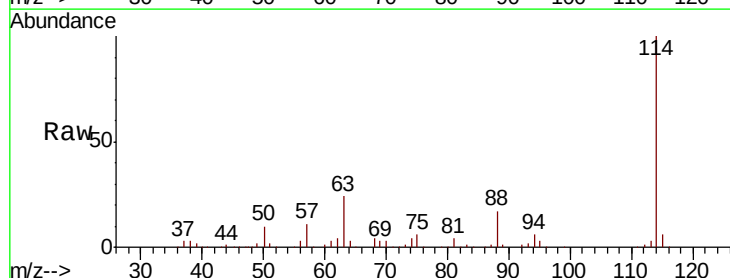
Manual Integrations
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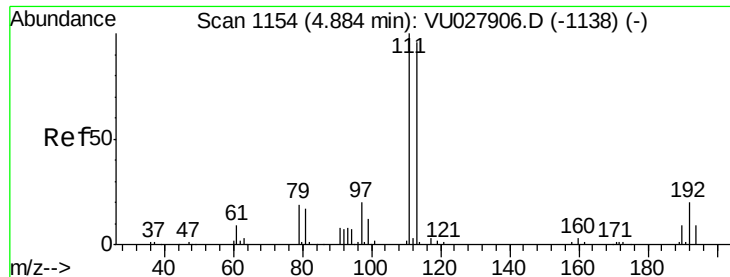
MMDadoda
 11/7/2018 11:15:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	50.8
88	17.1	0.0	35.8





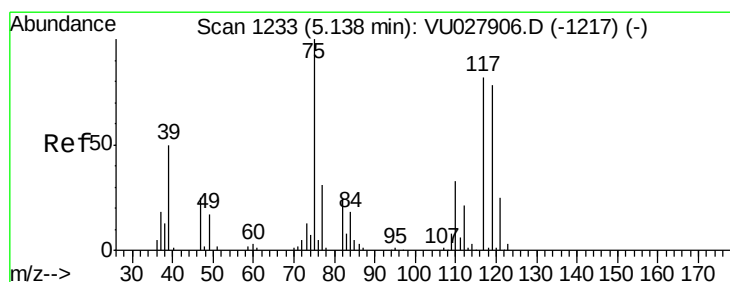
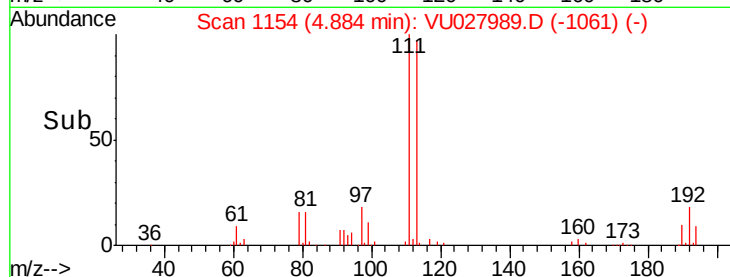
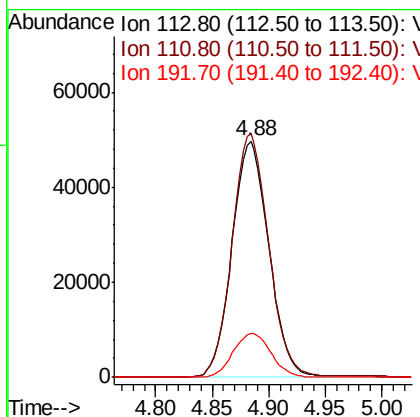
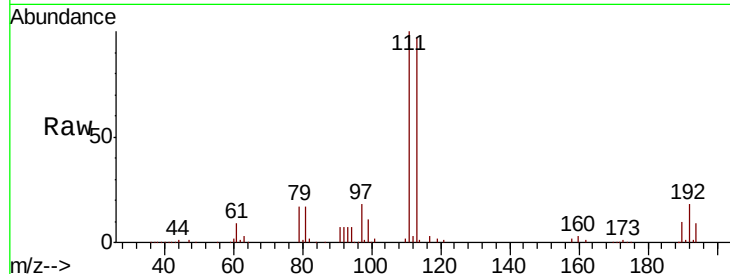
#35
 Dibromofluoromethane
 Concen: 50.692 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112863		
111	102.4	83.0	124.6	
192	19.2	15.6	23.4	

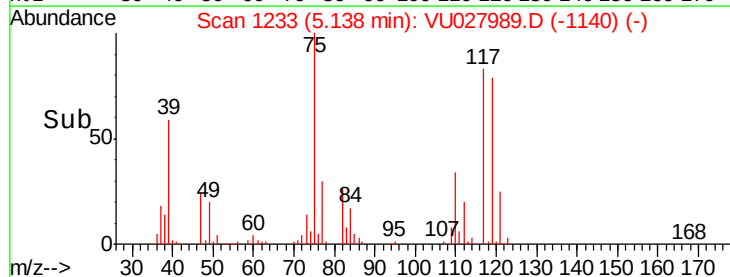
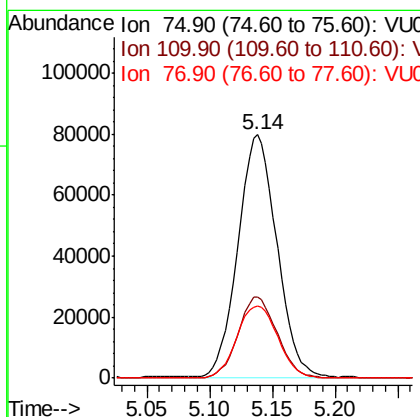
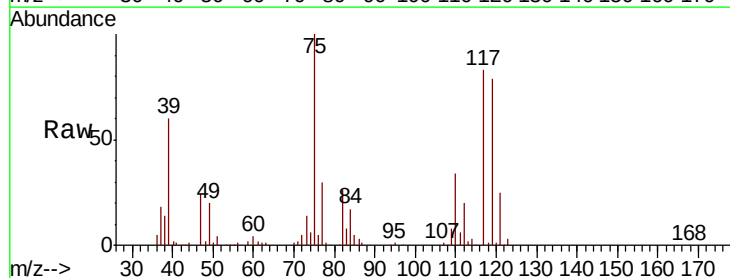
Manual Integrations
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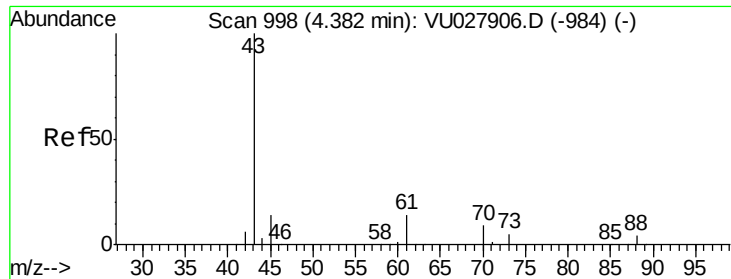
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 11/7/2018 11:15:51 AM



#36
 1,1-Dichloropropene
 Concen: 46.196 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	170845		
110	33.7	16.5	49.5	
77	31.2	24.9	37.3	





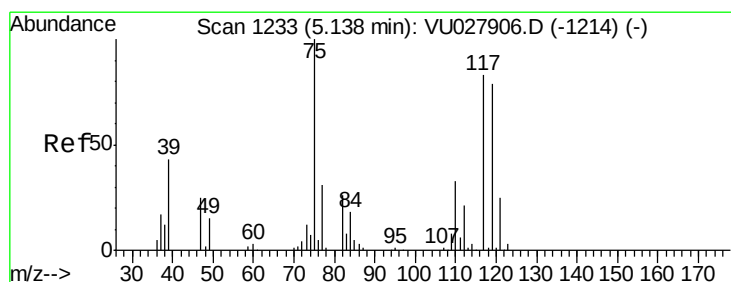
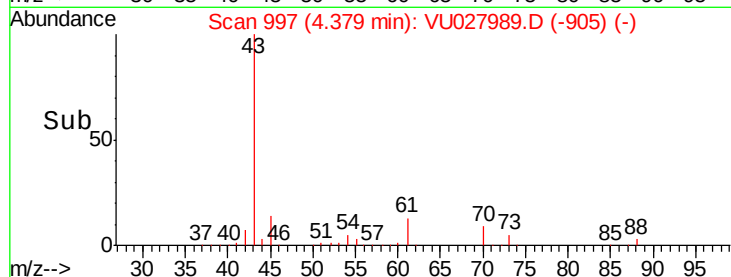
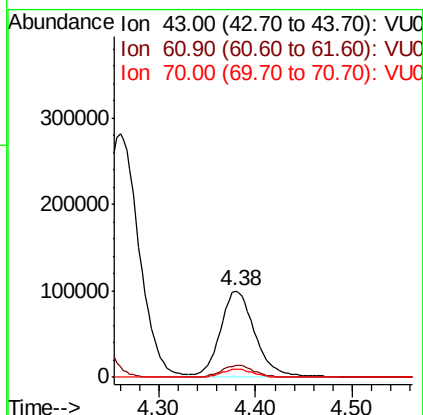
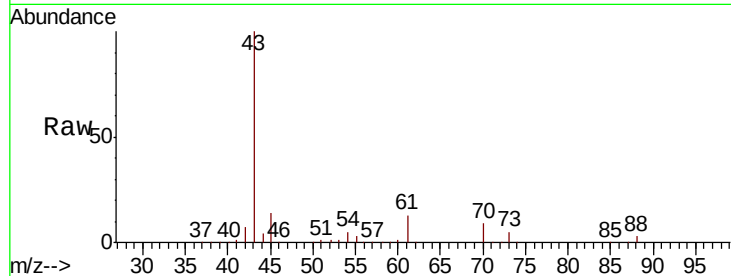
#37
Ethyl Acetate
Concen: 45.225 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.3	15.5
70	9.0	7.0	10.6

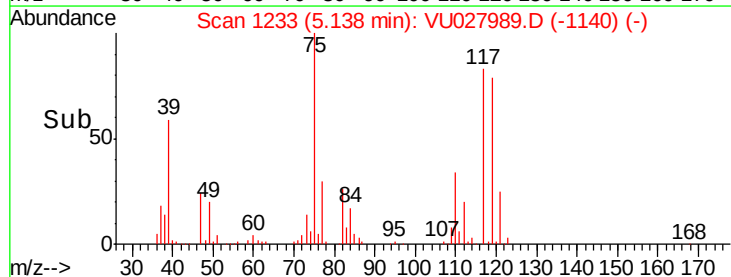
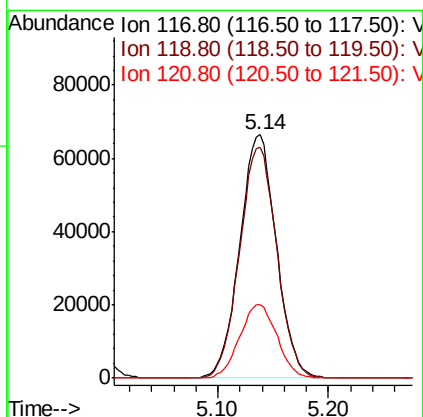
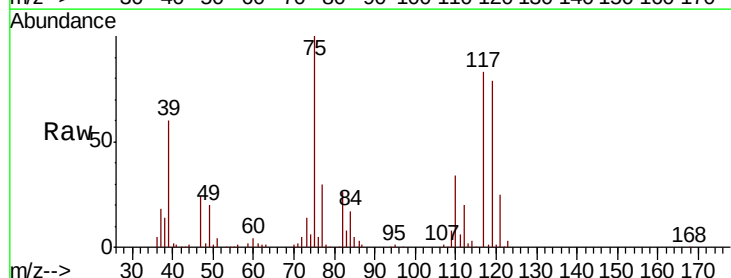
Manual Integrations
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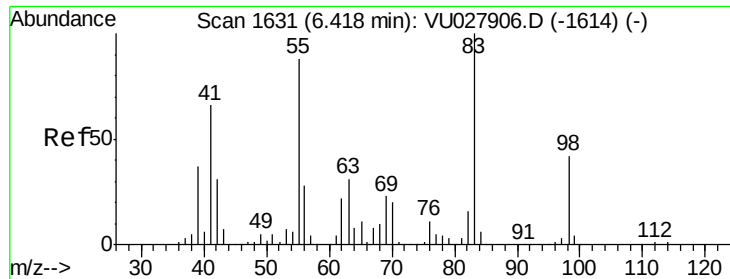
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.620 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.0	114.0
121	30.1	24.5	36.7





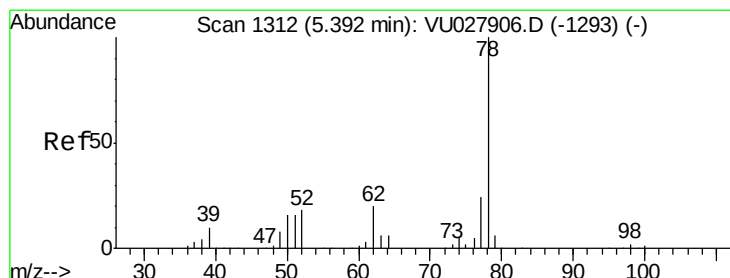
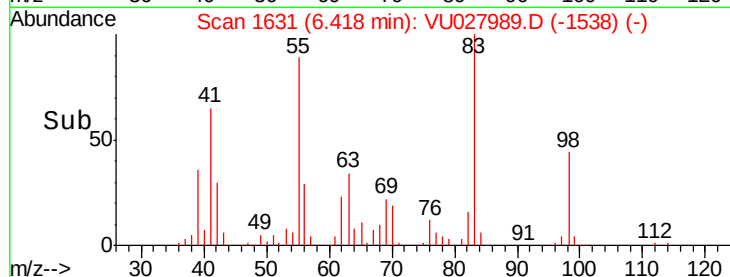
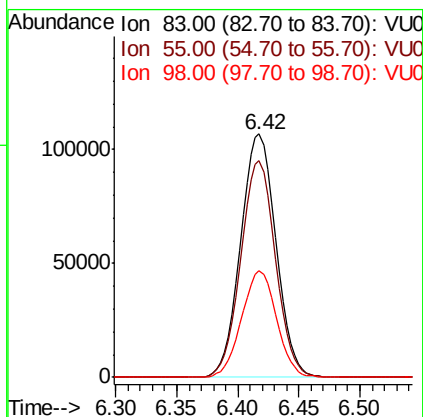
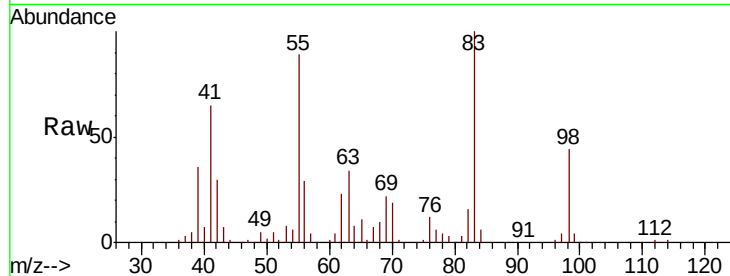
#39
Methylvlcyclohexane
Concen: 47.929 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	213790
Ion Ratio	Lower	Upper	
83	100		
55	88.8	70.3	105.5
98	43.7	34.0	51.0

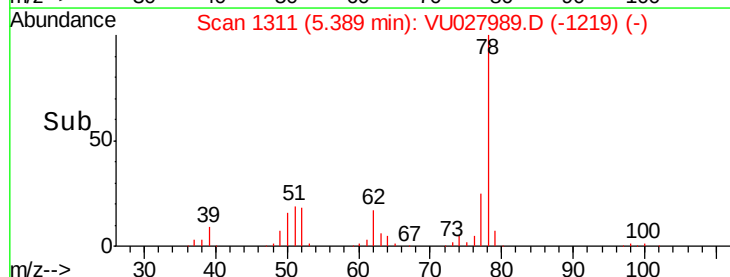
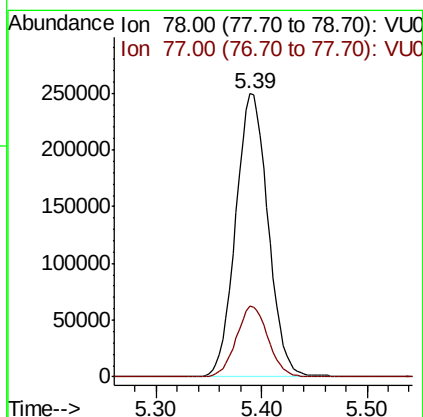
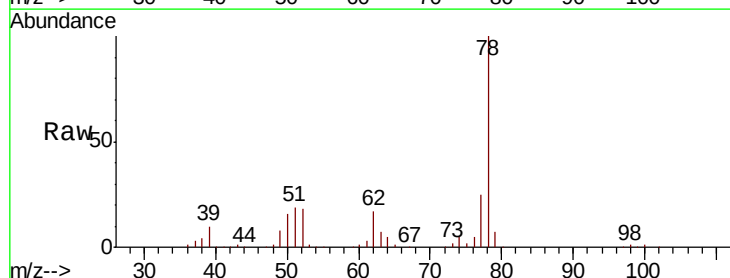
Manual Integrations
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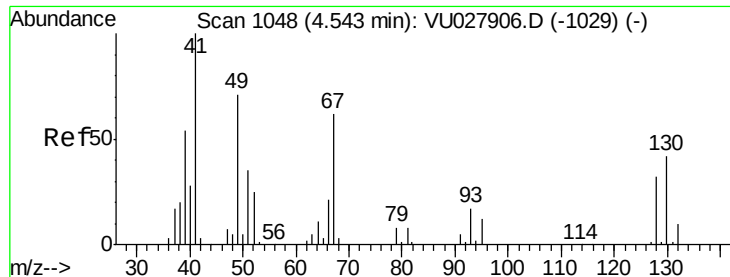
MMDadoda
11/7/2018 11:15:51 AM



#40
Benzene
Concen: 47.096 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	78	Resp	532510
Ion Ratio	Lower	Upper	
78	100		
77	25.0	19.3	28.9





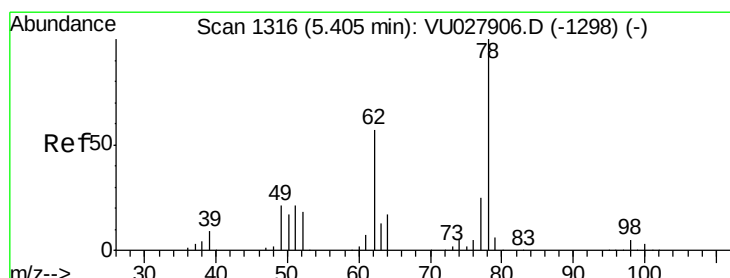
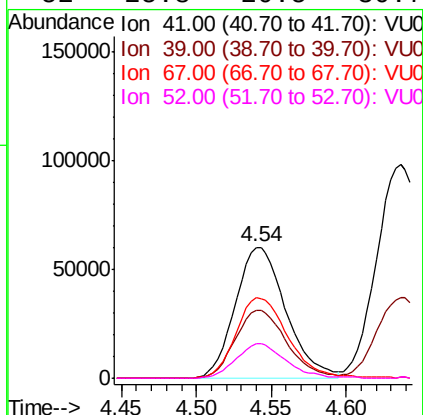
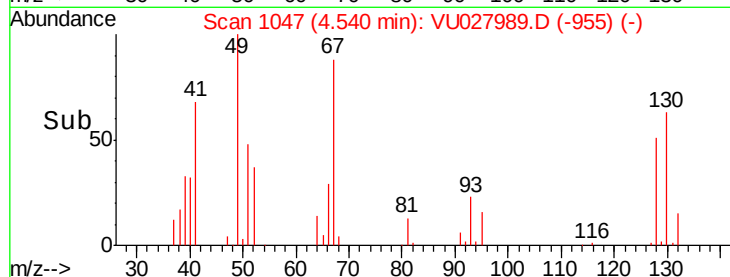
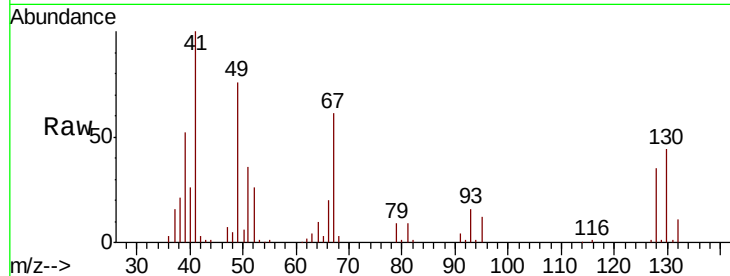
#41
Methacrylonitrile
Concen: 49.012 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.2	42.2	63.4
67	62.7	49.5	74.3
52	25.8	20.5	30.7

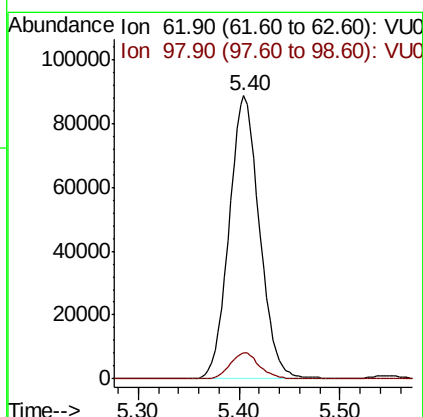
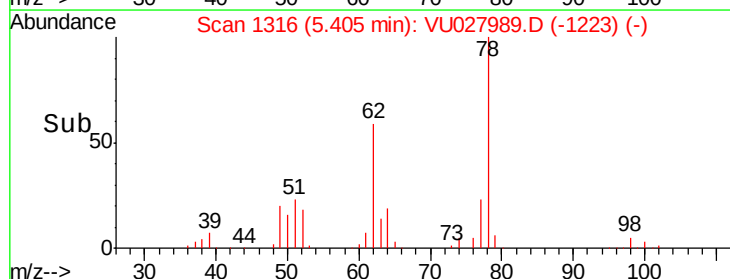
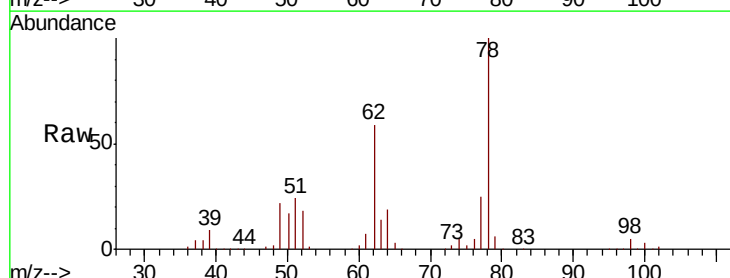
Manual Integrations
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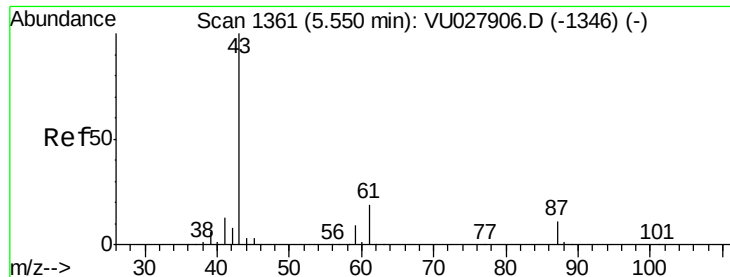
MMDadoda
11/7/2018 11:15:51 AM



#42
1,2-Dichloroethane
Concen: 46.311 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2





#43

Isopropyl Acetate

Concen: 47.126 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

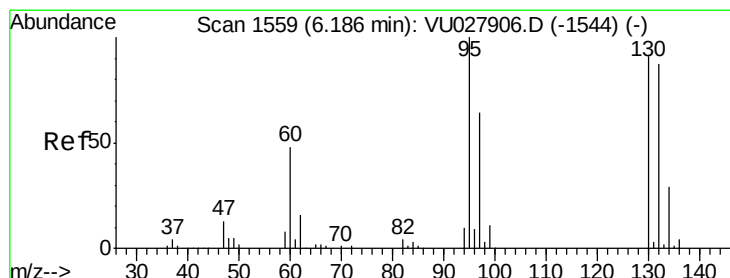
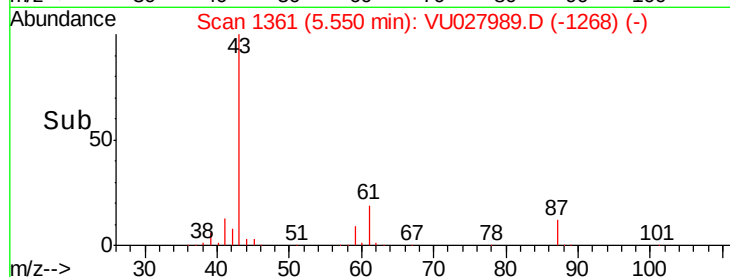
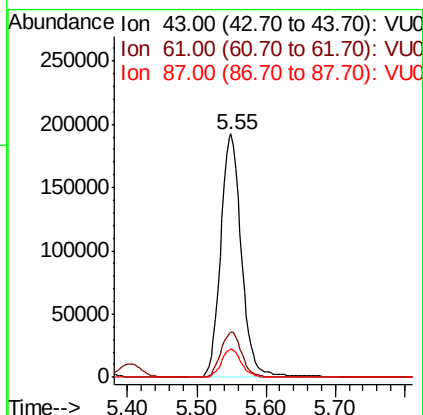
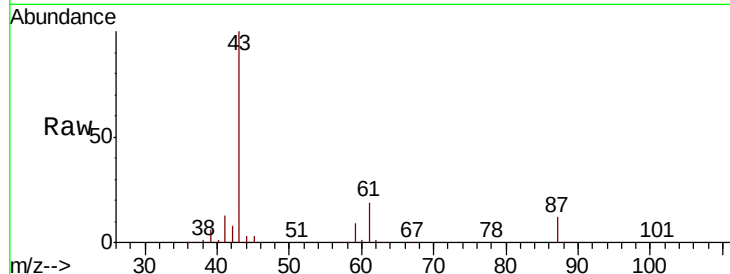
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	400080
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.0	22.4
87	11.2	8.6	12.8

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#44

Trichloroethene

Concen: 47.996 ug/l

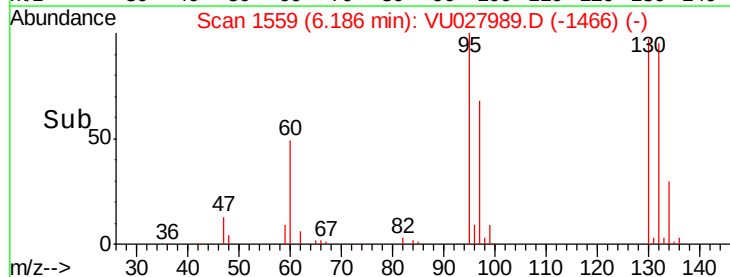
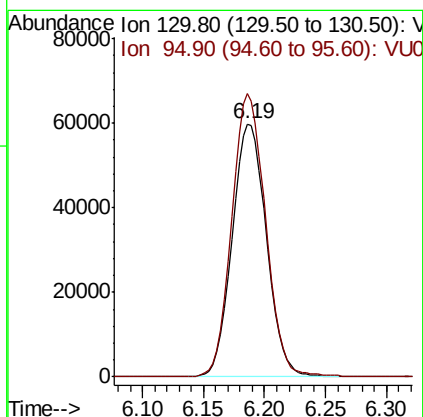
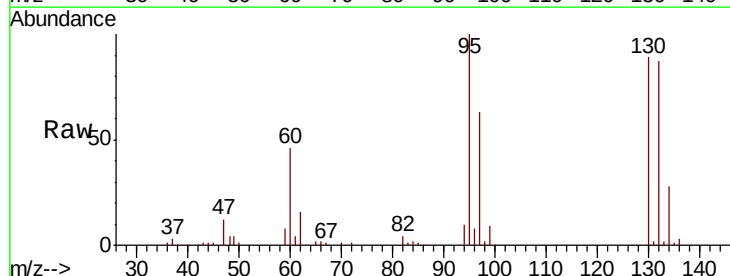
RT: 6.19 min Scan# 1559

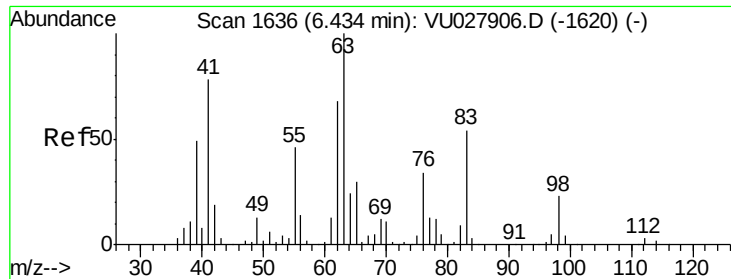
Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Tgt Ion:	130	Resp:	116654
Ion	Ratio	Lower	Upper
130	100		
95	111.8	0.0	219.2





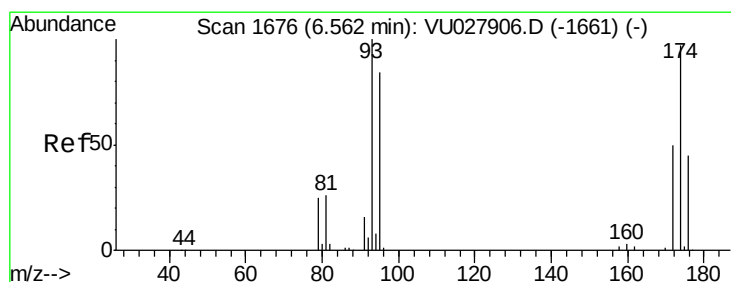
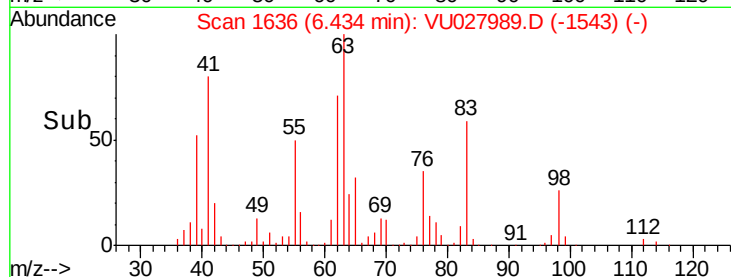
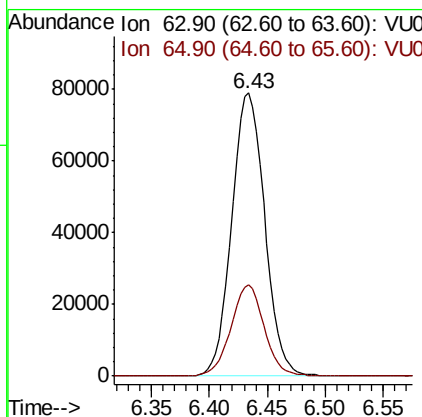
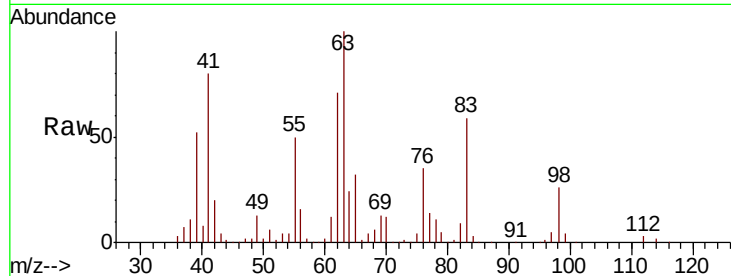
#45
 1,2-Dichloropropane
 Concen: 47.797 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 155860
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.4 36.6

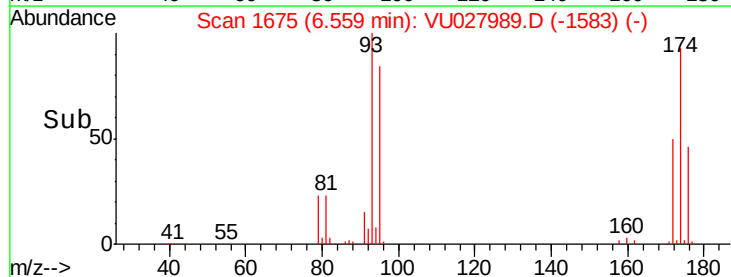
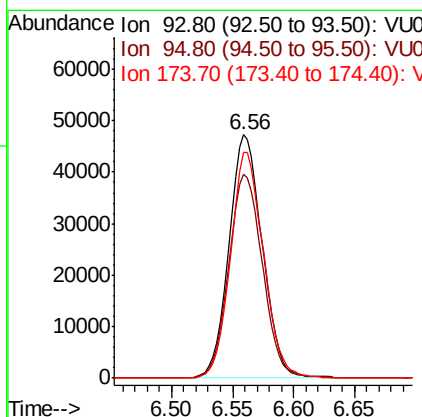
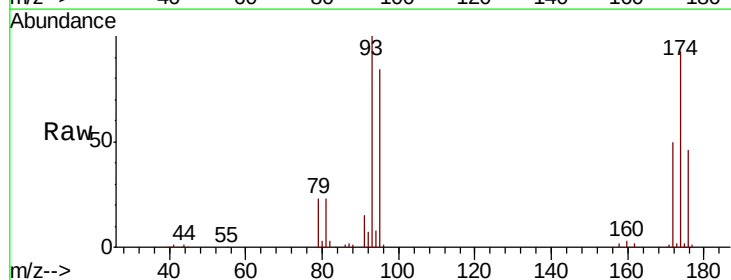
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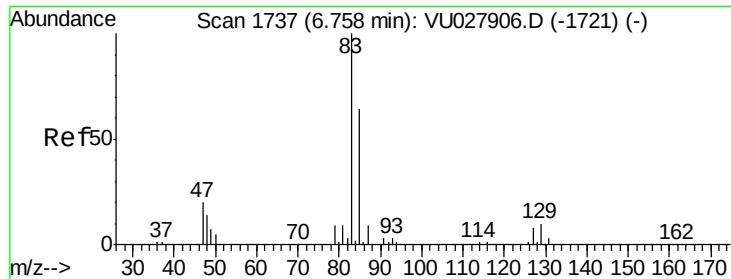
MMDadoda
 11/7/2018 11:15:51 AM



#46
 Dibromomethane
 Concen: 47.968 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Tgt Ion: 93 Resp: 89910
 Ion Ratio Lower Upper
 93 100
 95 85.0 68.5 102.7
 174 91.9 76.1 114.1





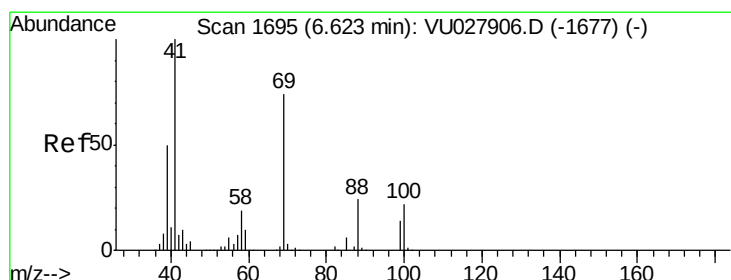
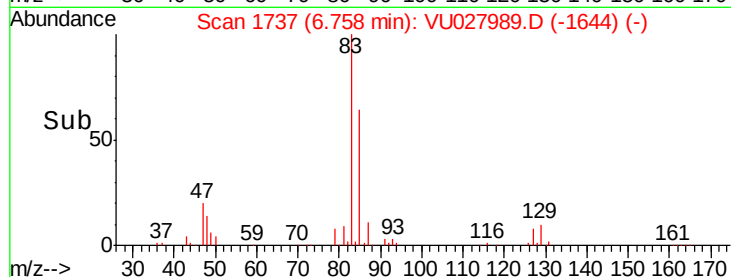
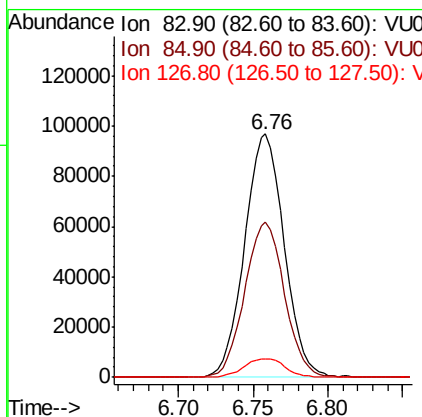
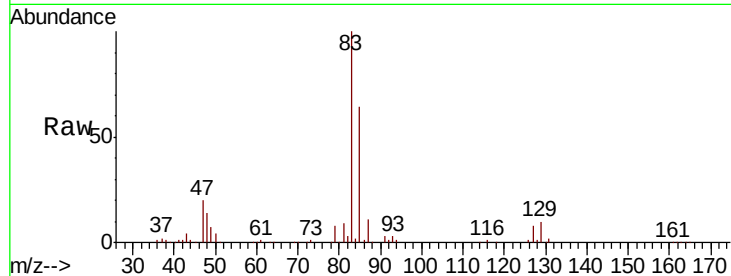
#47
Bromodichloromethane
Concen: 49.314 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	178127
Ion Ratio	100		
85	63.8	51.0	76.6
127	7.8	6.2	9.4

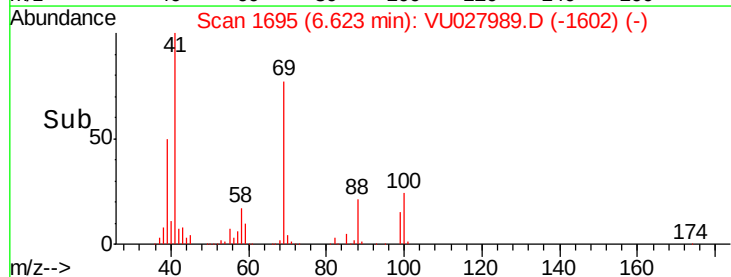
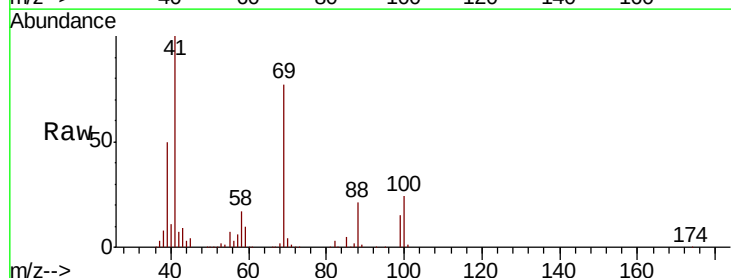
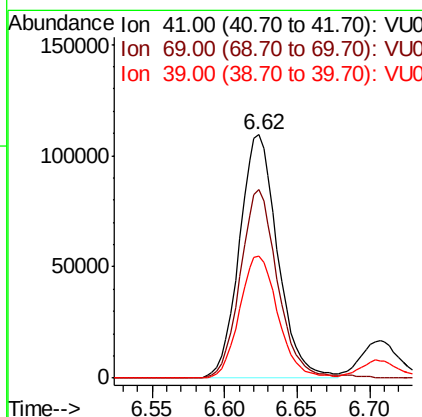
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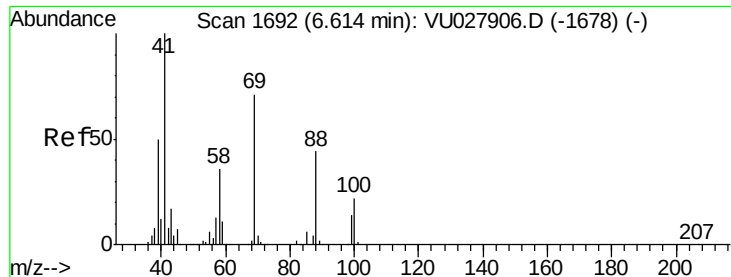
MMDadoda
11/7/2018 11:15:51 AM



#48
Methyl methacrylate
Concen: 48.008 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	41	Resp	199728
Ion Ratio	100		
69	75.9	59.8	89.8
39	50.7	40.0	60.0





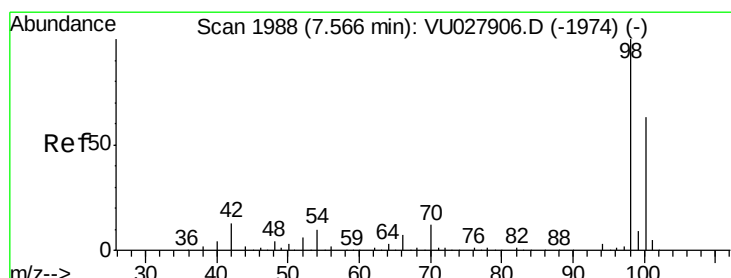
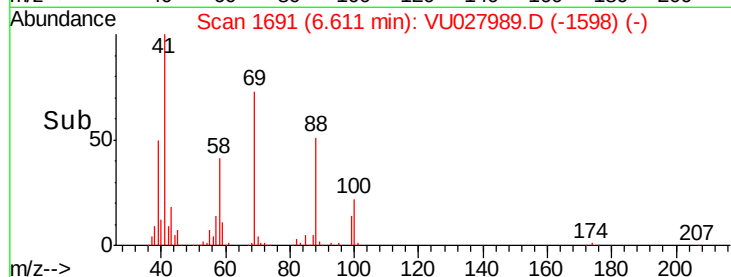
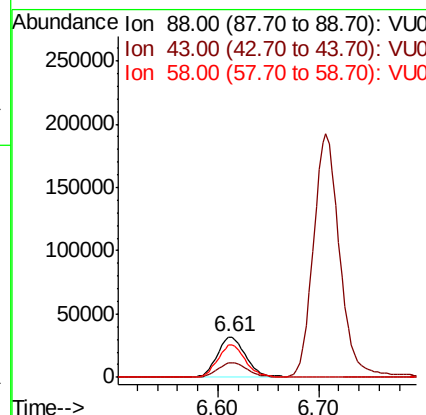
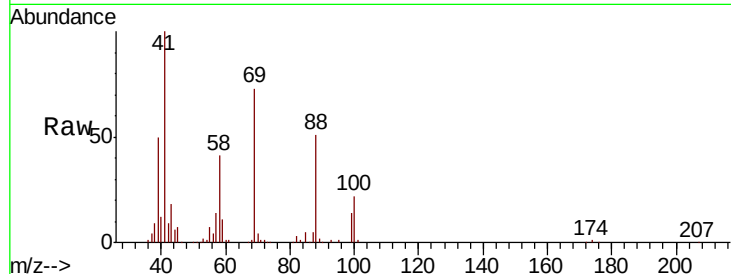
#49
1,4-Dioxane
Concen: 926.923 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	30.5	45.7
58	78.9	67.1	100.7

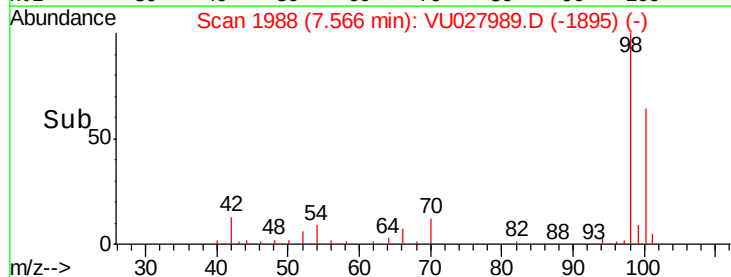
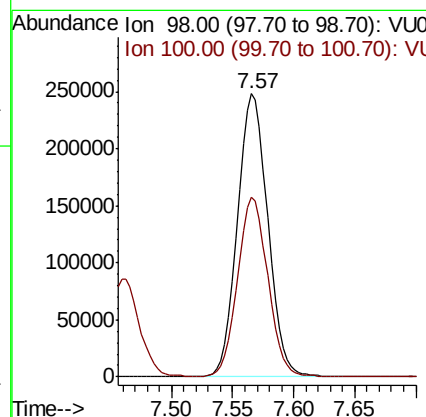
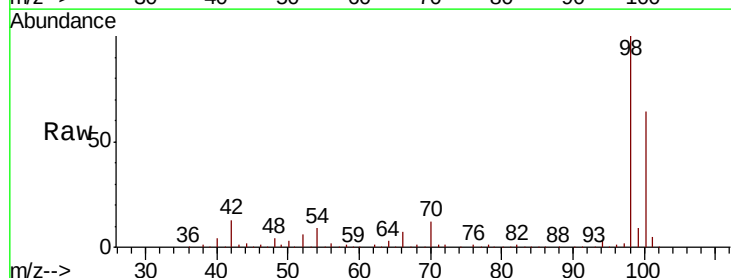
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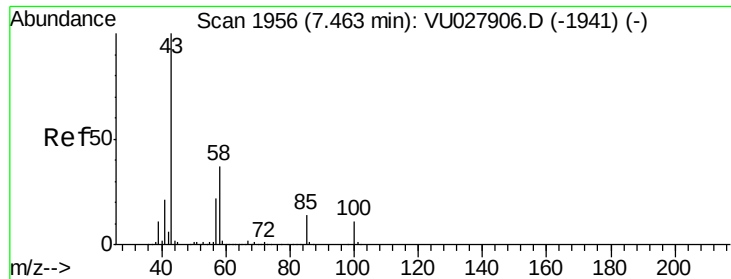
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#50
Toluene-d8
Concen: 50.007 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 228.762 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1296997

Ion Ratio Lower Upper

43 100

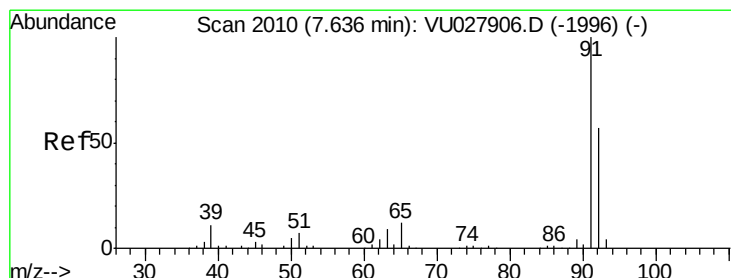
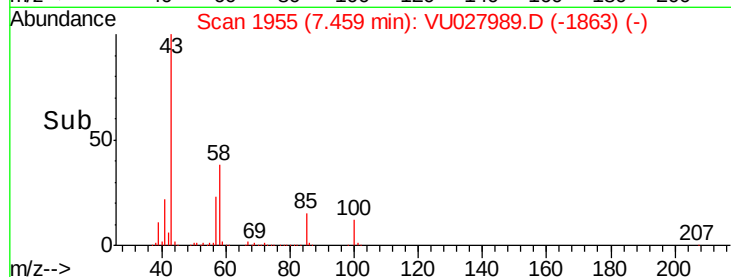
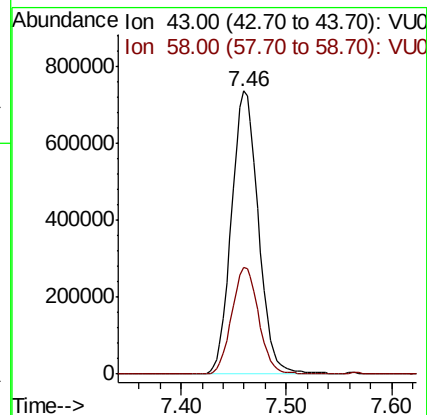
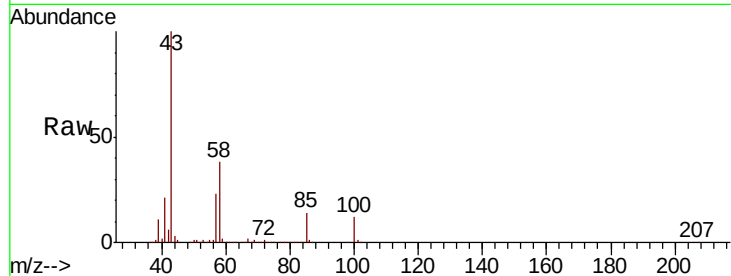
58 37.8 29.5 44.3

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#52

Toluene

Concen: 48.225 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027989.D

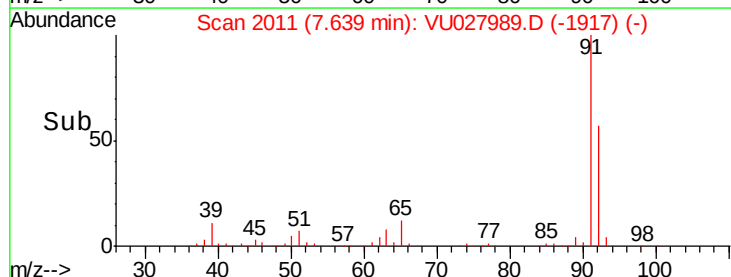
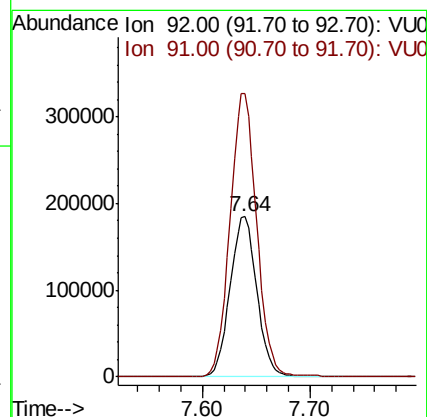
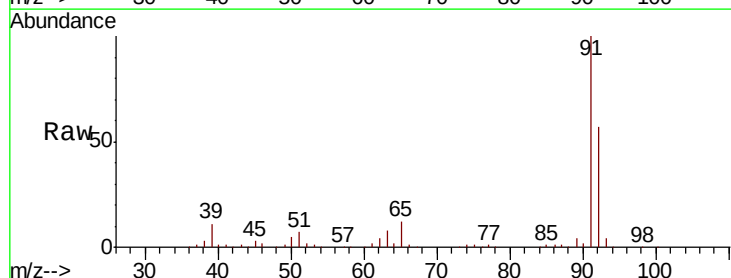
Acq: 06 Nov 2018 16:27

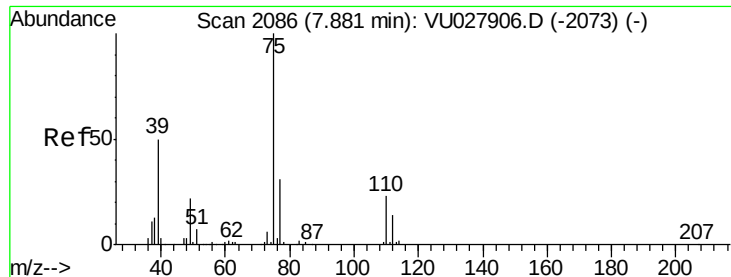
Tgt Ion: 92 Resp: 320567

Ion Ratio Lower Upper

92 100

91 175.8 141.2 211.8





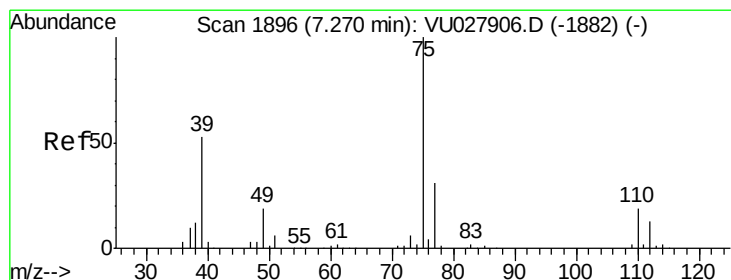
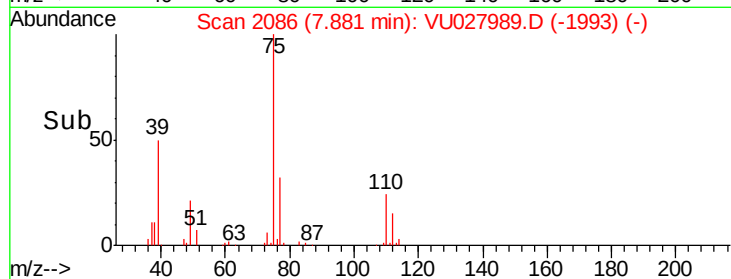
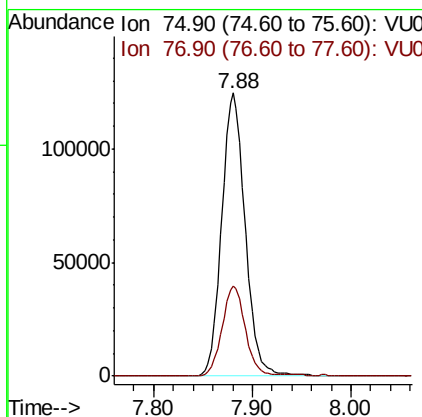
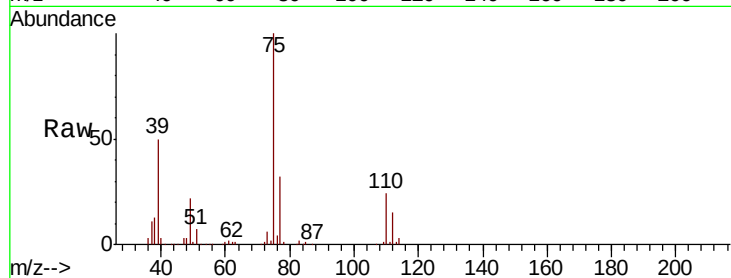
#53
 t-1,3-Dichloropropene
 Concen: 46.645 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 208600
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7

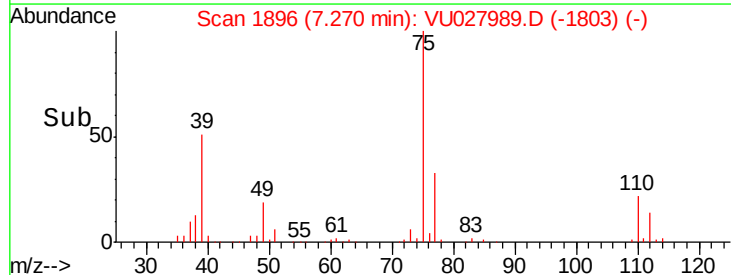
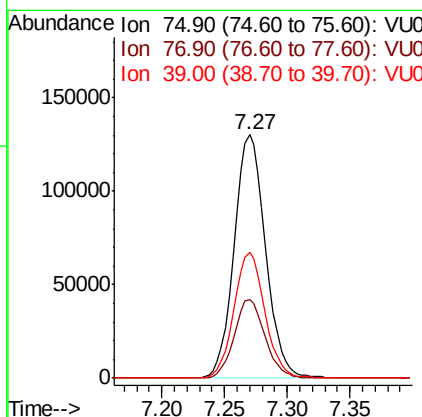
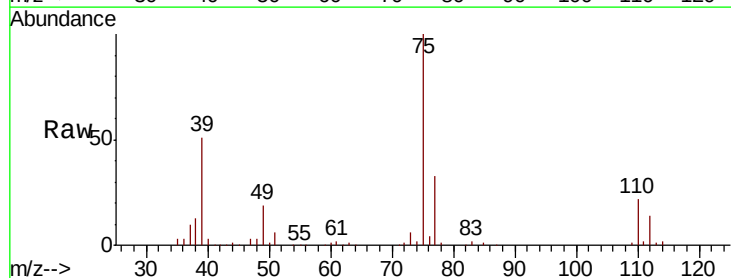
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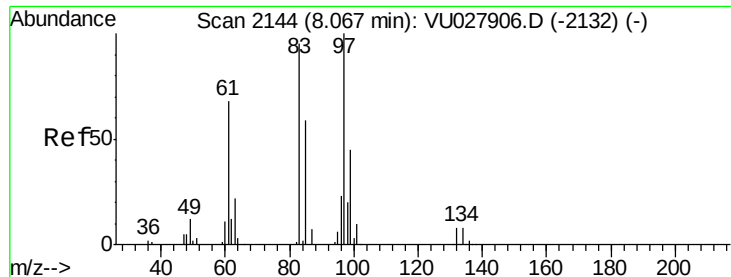
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#54
 cis-1,3-Dichloropropene
 Concen: 50.831 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Tgt Ion: 75 Resp: 226347
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.6 37.0
 39 51.4 42.6 64.0





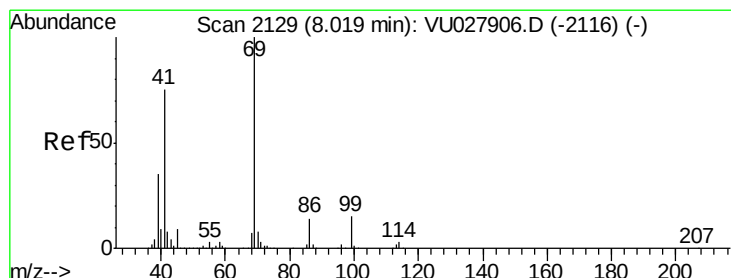
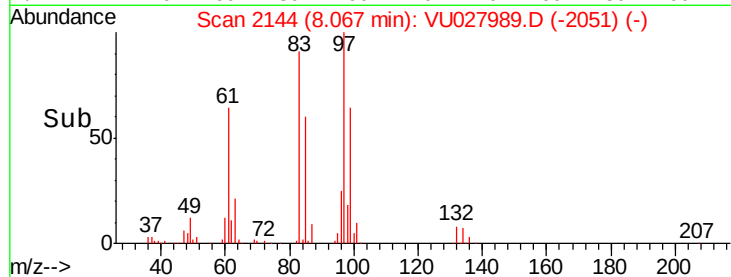
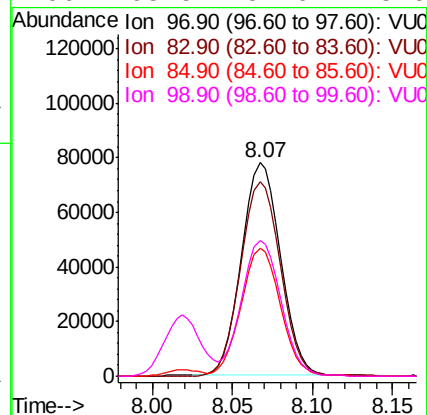
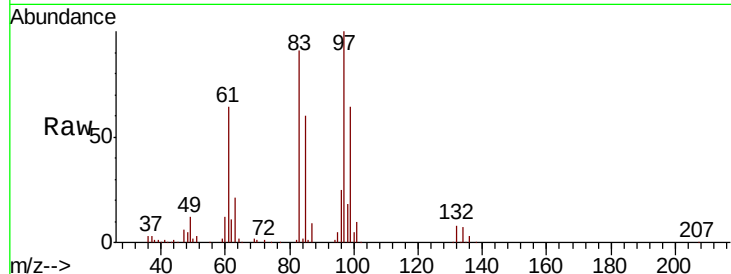
#55
 1,1,2-Trichloroethane
 Concen: 47.947 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		129668		
83	91.3	76.1	114.1		
85	59.9	48.9	73.3		
99	63.5	52.0	78.0		

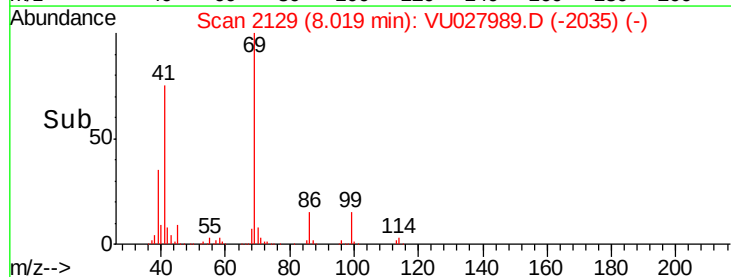
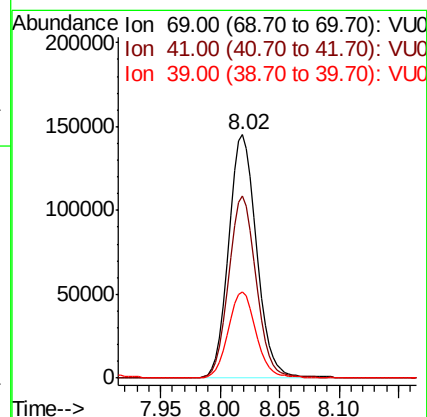
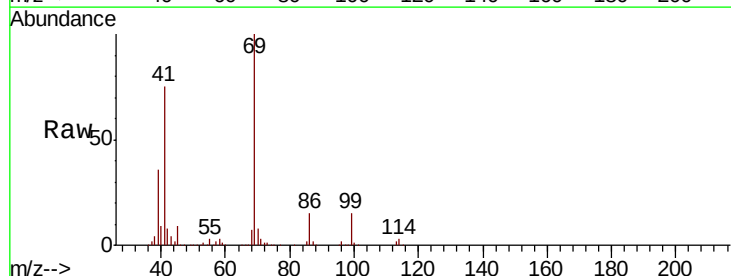
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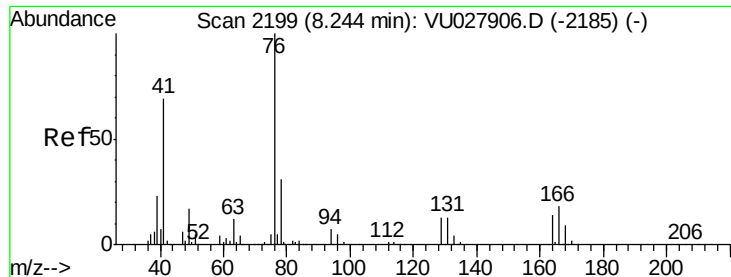
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#56
 Ethyl methacrylate
 Concen: 49.756 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		237296		
41	73.8	59.8	89.6		
39	34.9	28.6	42.8		





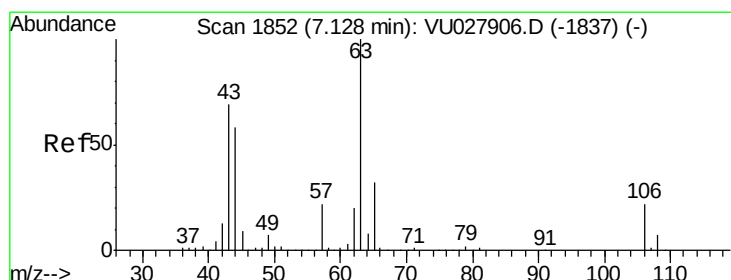
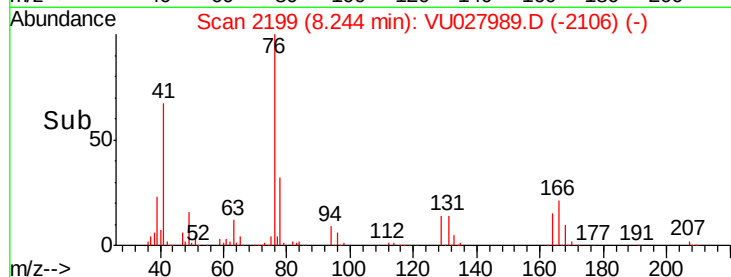
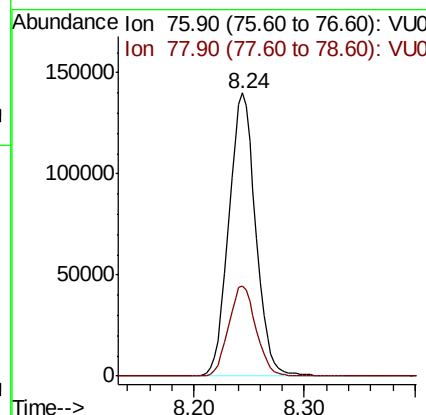
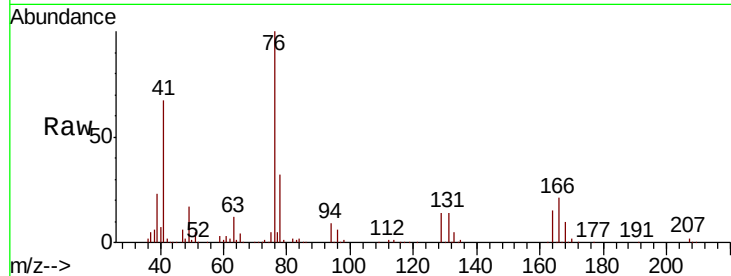
#57
 1,3-Dichloropropane
 Concen: 47.921 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 236075
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.3 37.9

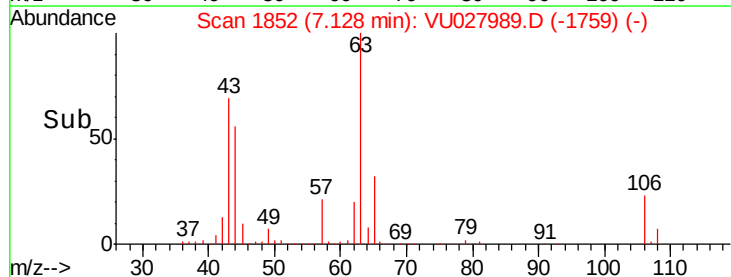
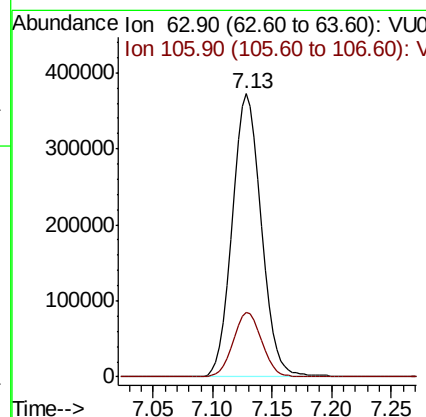
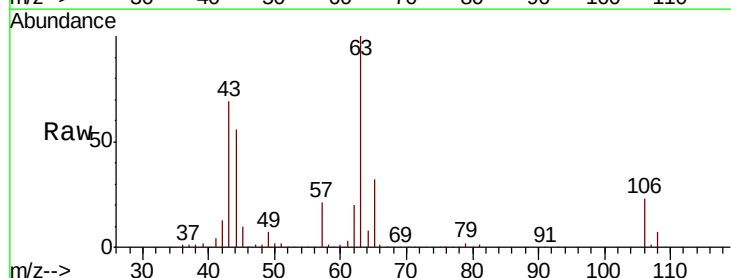
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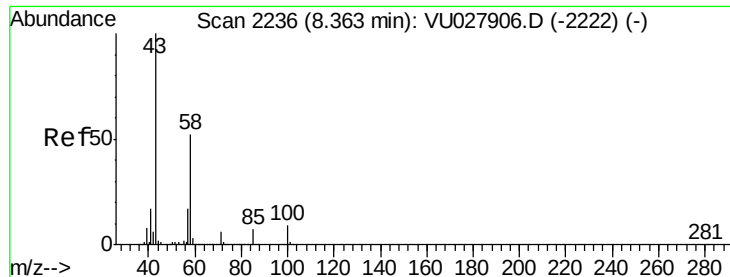
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 246.921 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Tgt Ion: 63 Resp: 630705
 Ion Ratio Lower Upper
 63 100
 106 22.6 17.8 26.6





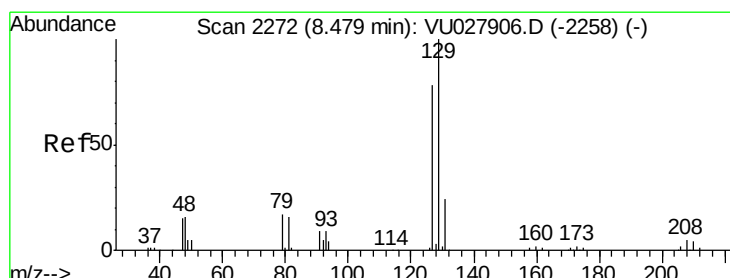
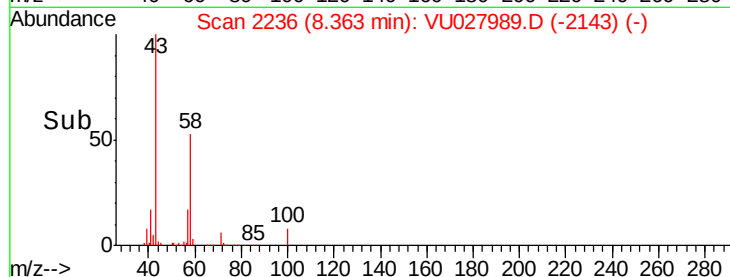
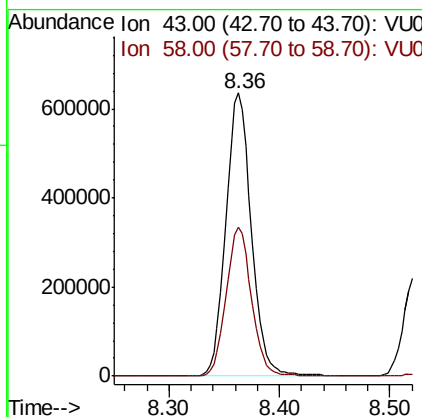
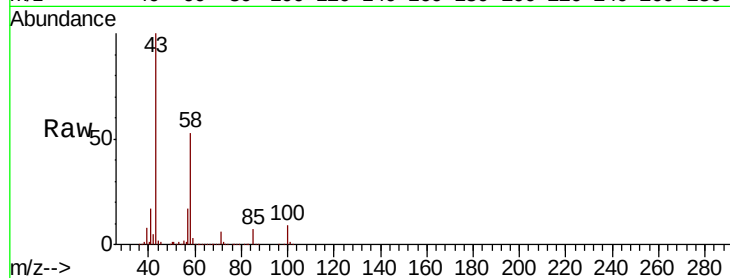
#59
2-Hexanone
Concen: 232.118 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1017856
Ion Ratio Lower Upper
43 100
58 52.5 25.8 77.3

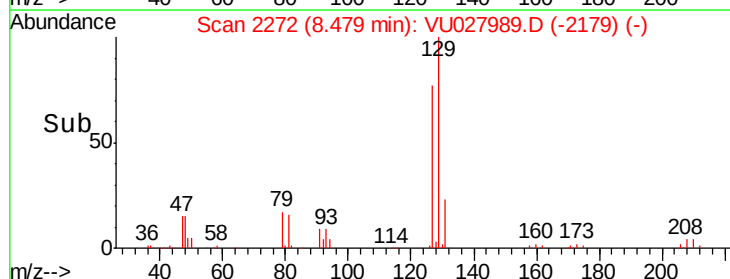
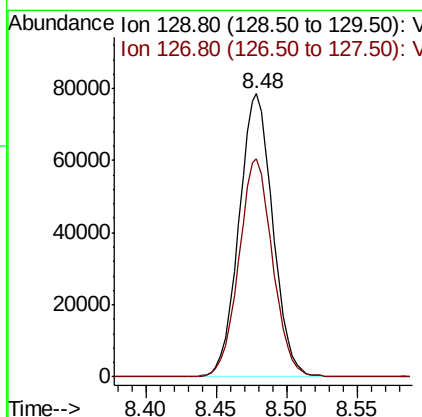
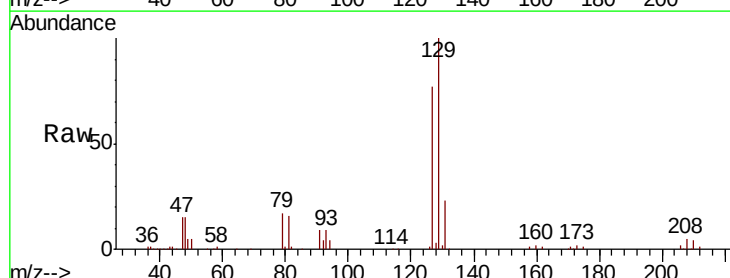
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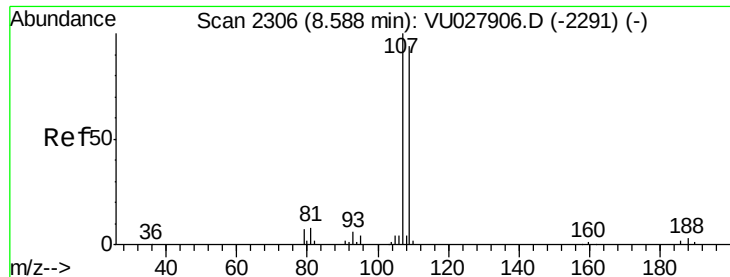
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#60
Dibromochloromethane
Concen: 51.534 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion: 129 Resp: 131883
Ion Ratio Lower Upper
129 100
127 76.8 39.2 117.6





#61

1,2-Dibromoethane

Concen: 48.852 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 140383

Ion Ratio Lower Upper

107 100

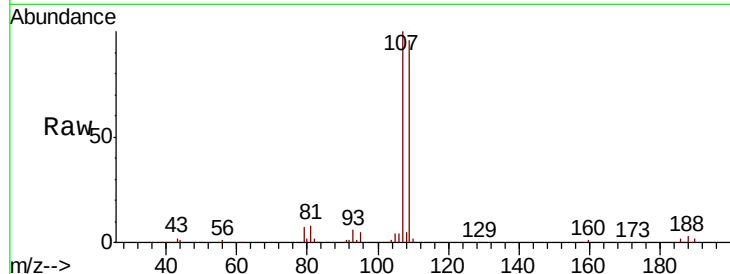
109 94.6 73.8 110.8

Manual Integrations

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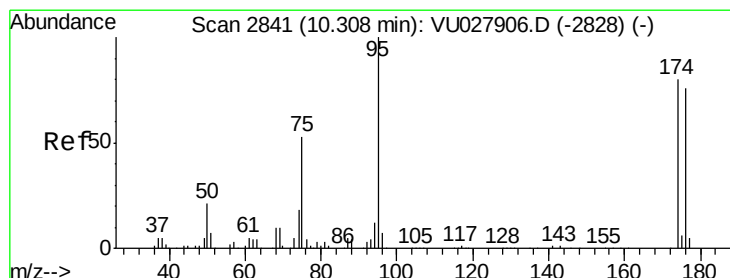
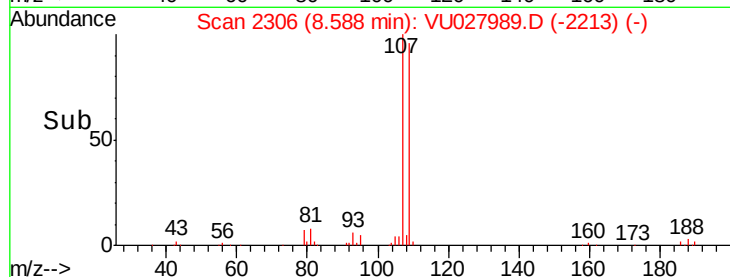
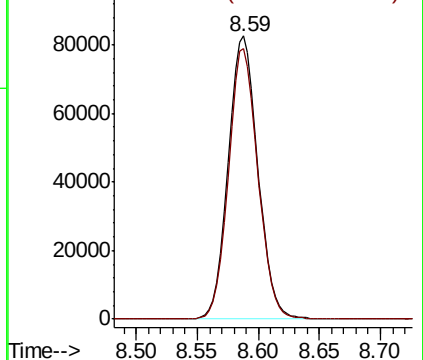
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.043 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

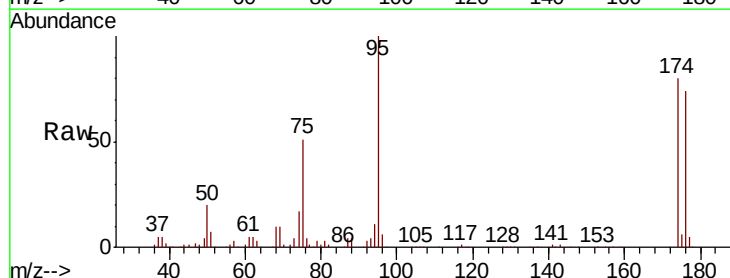
Tgt Ion: 95 Resp: 165094

Ion Ratio Lower Upper

95 100

174 78.7 0.0 156.4

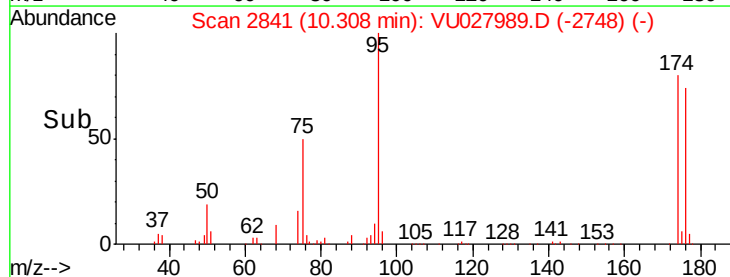
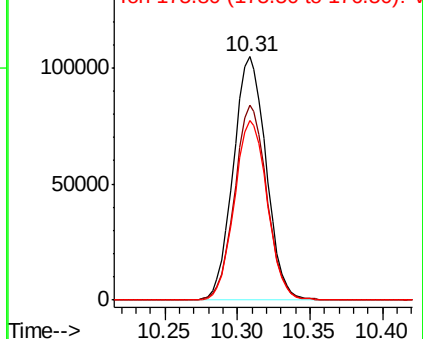
176 73.9 0.0 150.8

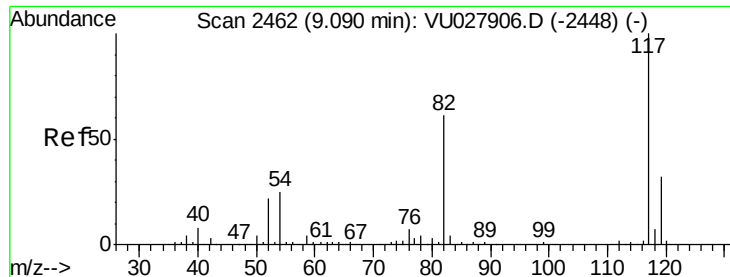


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





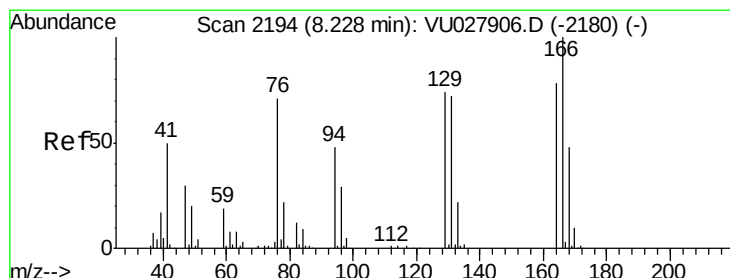
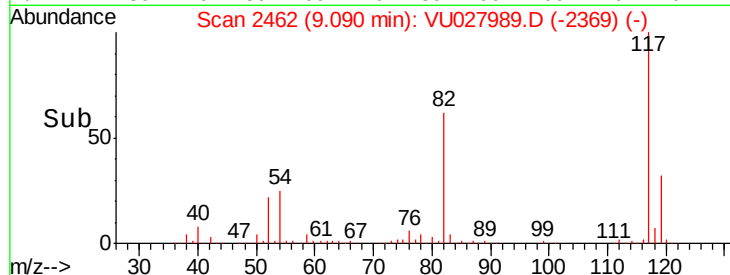
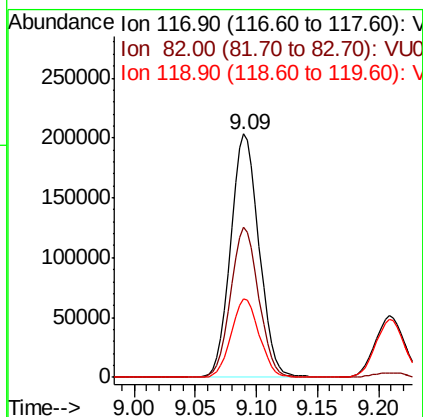
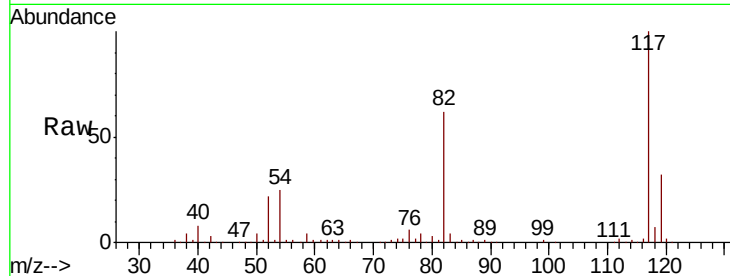
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	48.6	73.0
119	32.0	25.8	38.8

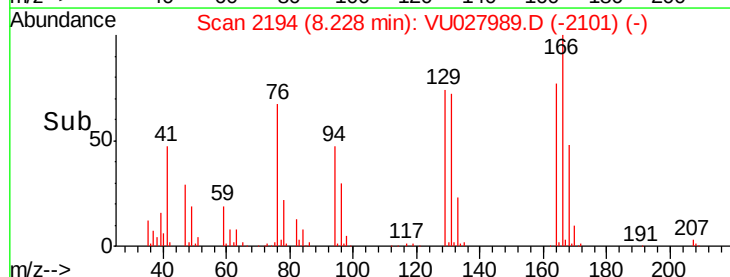
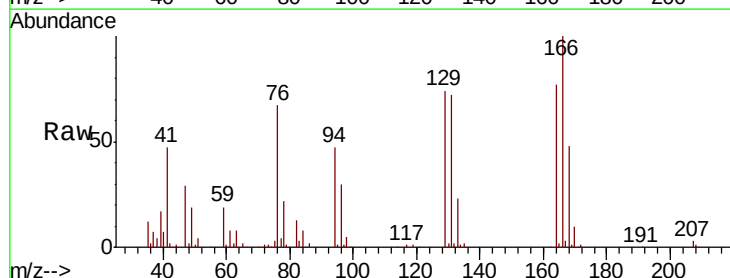
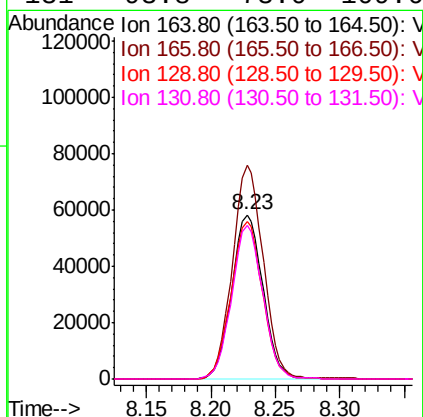
Manual Integrations
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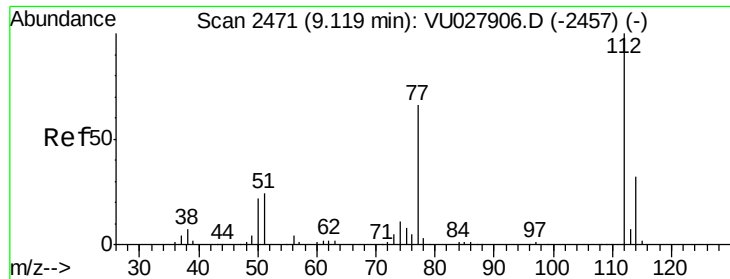
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#64
Tetrachloroethene
Concen: 46.071 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.1	153.1
129	96.0	75.9	113.9
131	93.8	73.0	109.6





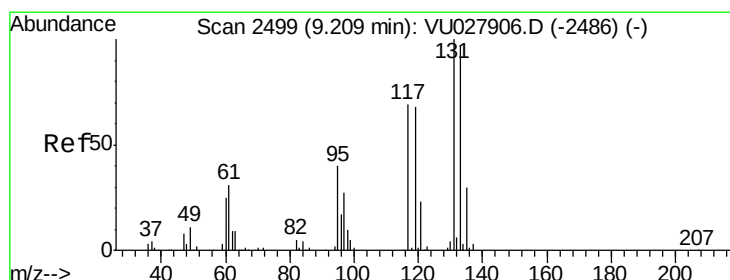
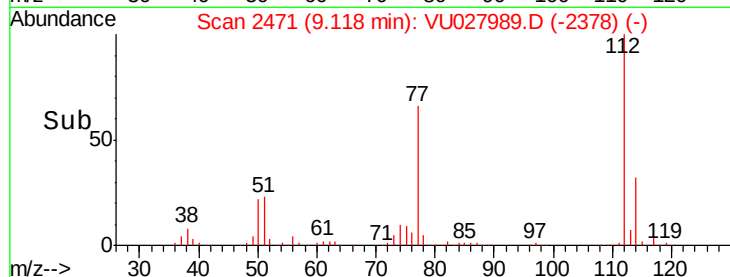
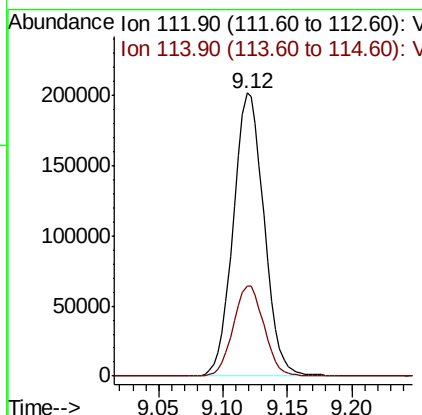
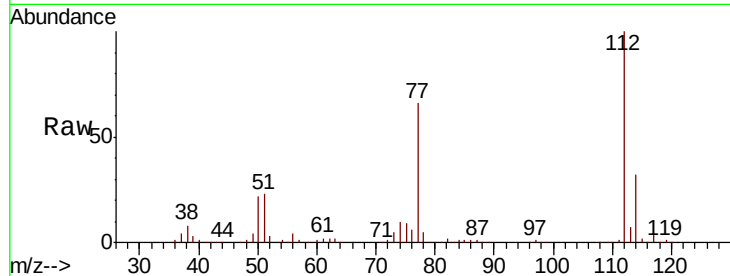
#65
Chlorobenzene
Concen: 48.118 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 334826
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8

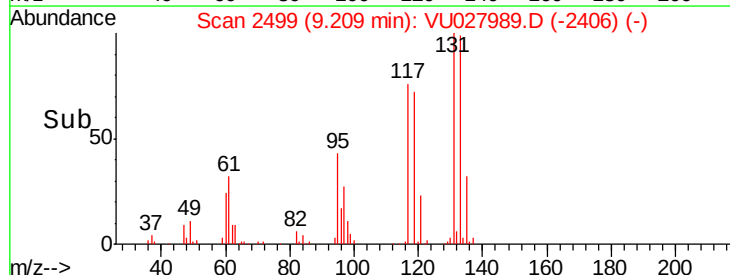
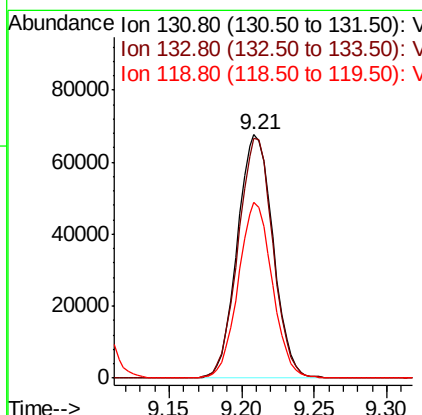
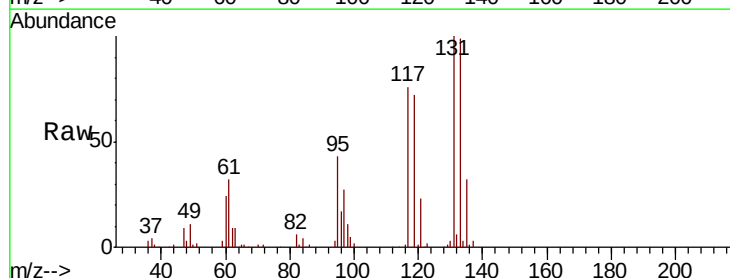
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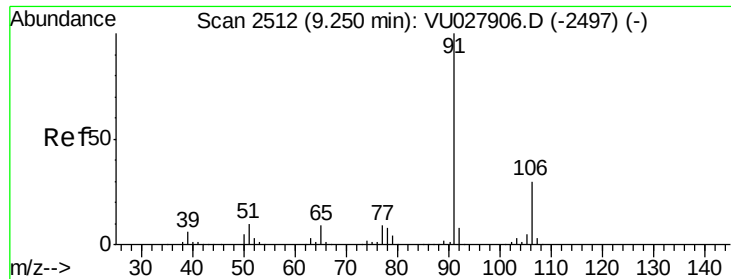
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.766 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion:131 Resp: 115906
Ion Ratio Lower Upper
131 100
133 96.5 48.1 144.4
119 68.9 34.0 101.8





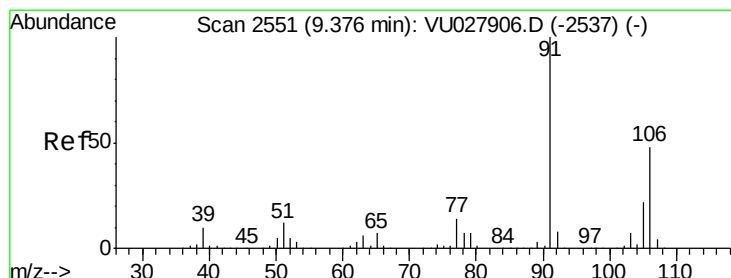
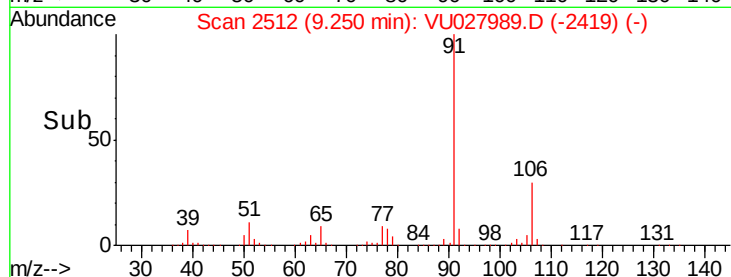
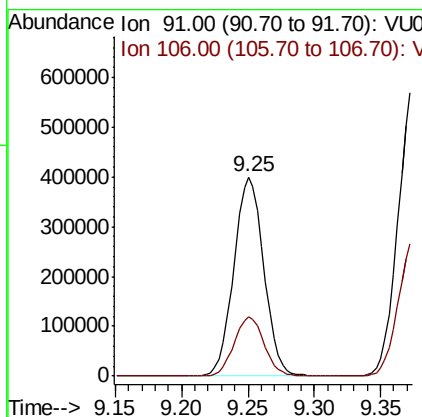
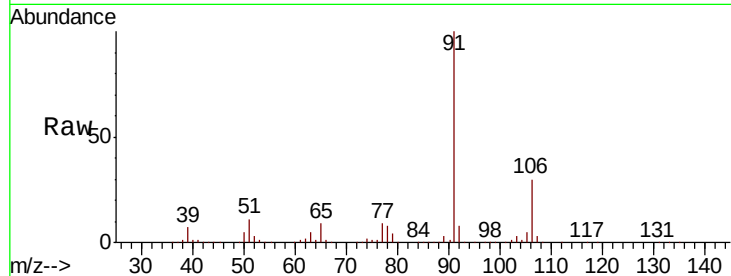
#67
Ethyl Benzene
Concen: 48.979 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 627332
Ion Ratio Lower Upper
91 100
106 29.9 23.6 35.4

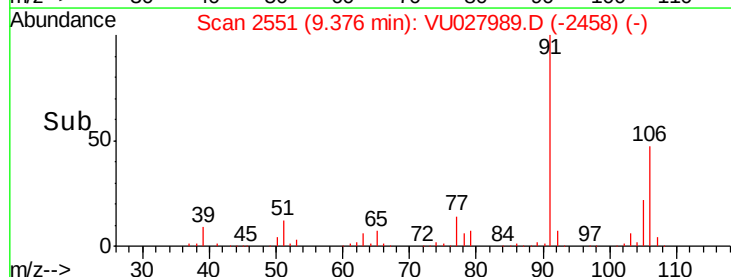
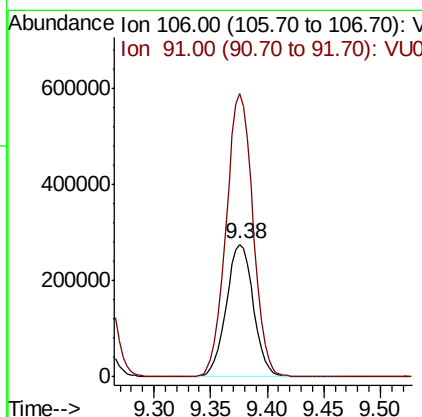
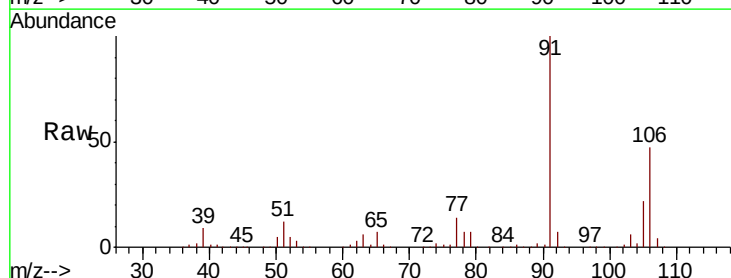
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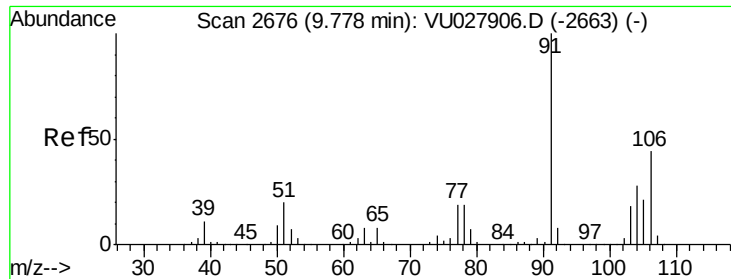
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#68
m/p-Xylenes
Concen: 98.818 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion: 106 Resp: 459243
Ion Ratio Lower Upper
106 100
91 212.0 168.2 252.4





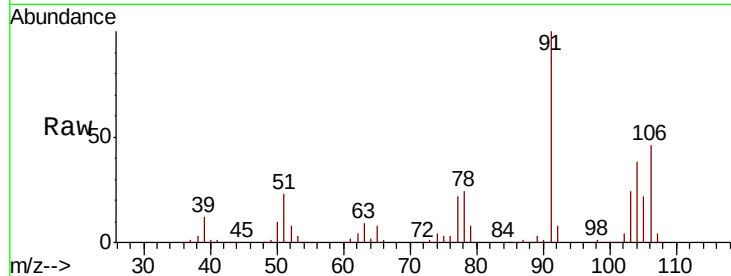
#69
o-Xylene
Concen: 48.479 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

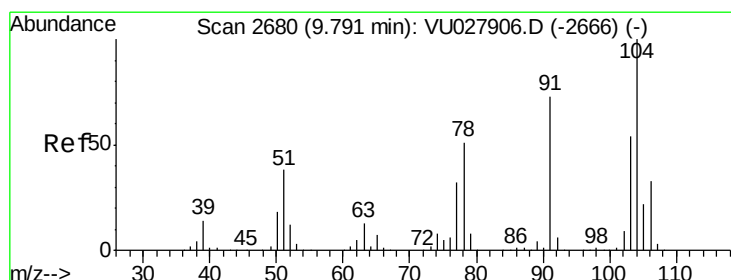
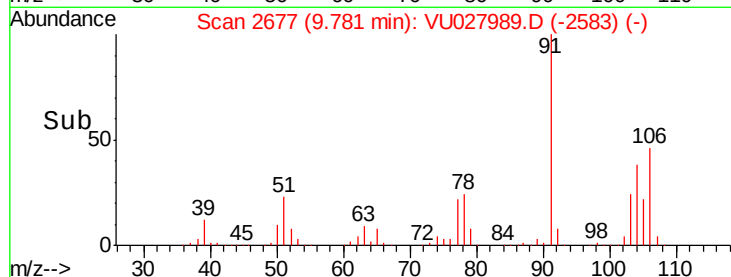
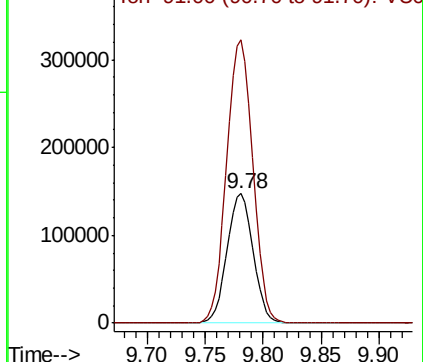
Tot Ion:106 Resp: 227504
Ion Ratio Lower Upper
106 100
91 221.2 111.1 333.4

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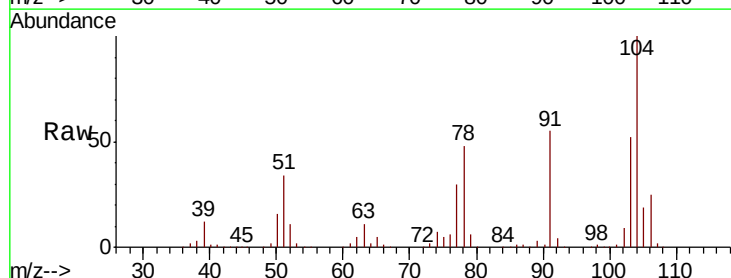


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

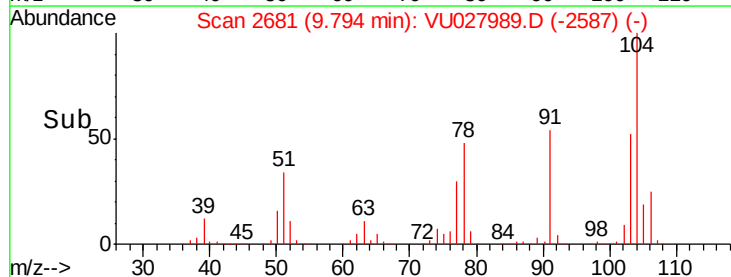
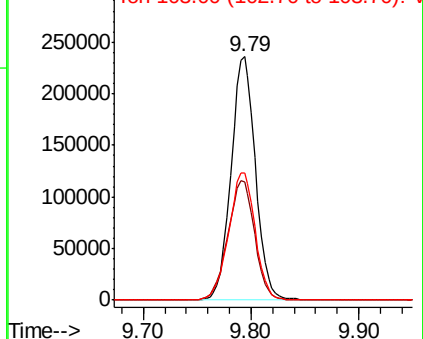


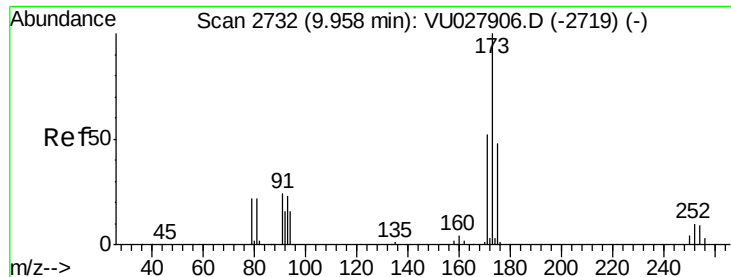
#70
Styrene
Concen: 49.703 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion:104 Resp: 372686
Ion Ratio Lower Upper
104 100
78 54.0 43.0 64.4
103 56.6 45.1 67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.307 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 100208

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

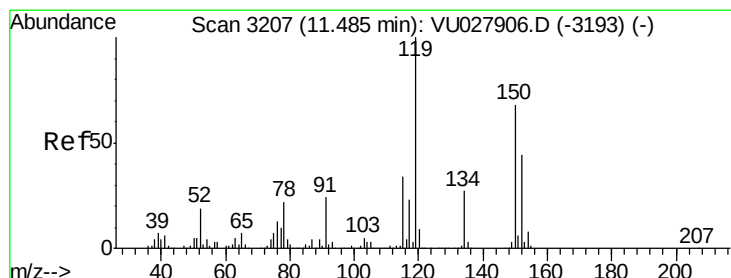
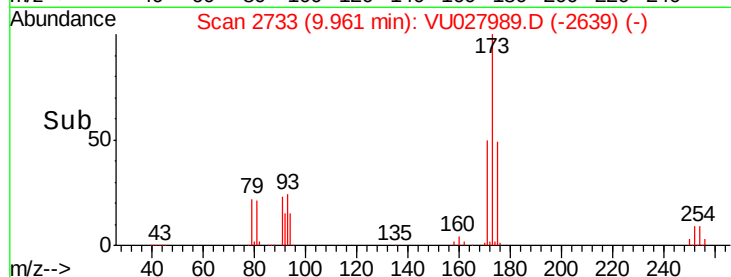
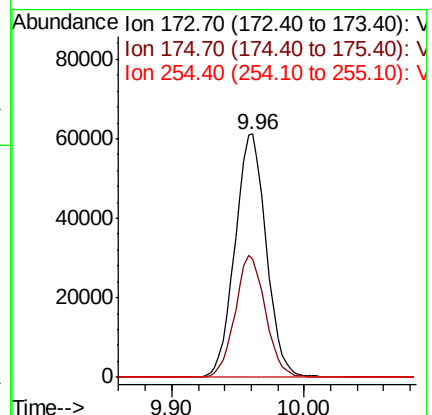
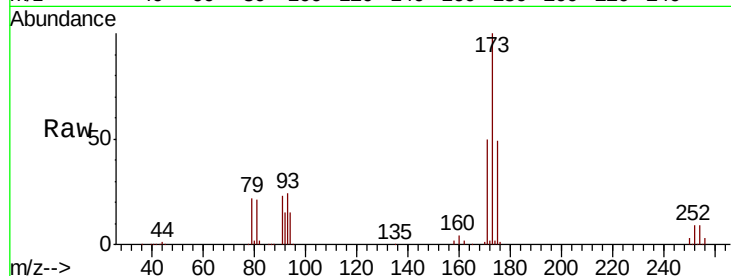
254 0.1 0.0 0.0#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

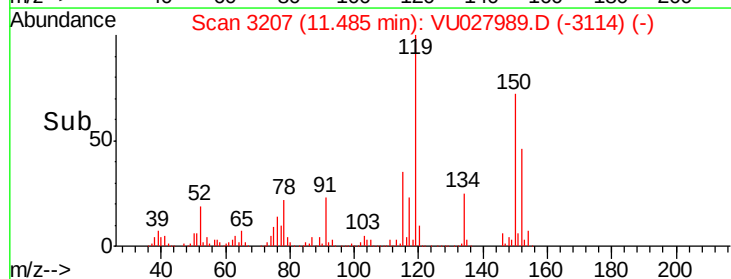
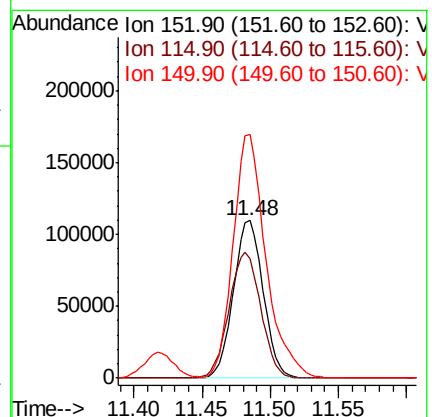
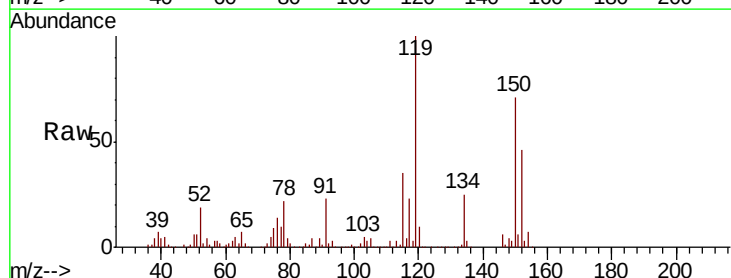
Tgt Ion:152 Resp: 166555

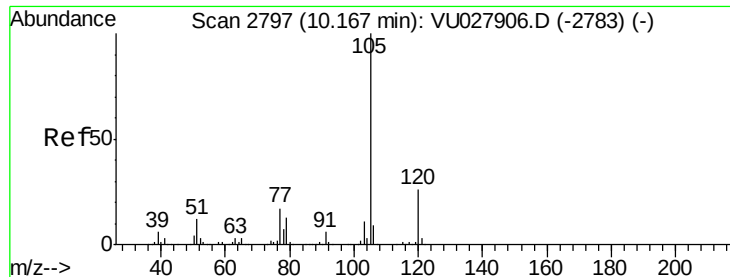
Ion Ratio Lower Upper

152 100

115 84.8 43.0 129.0

150 170.1 0.0 349.4





#73

Isopropylbenzene

Concen: 47.559 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 613649

Ion Ratio Lower Upper

105 100

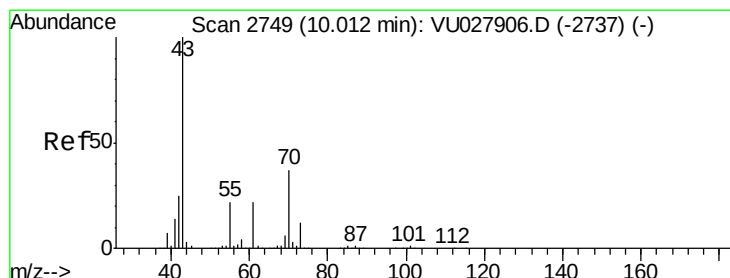
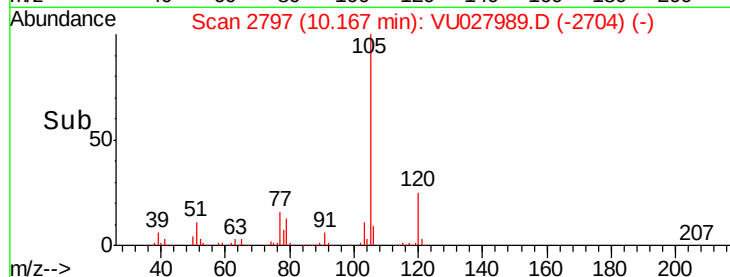
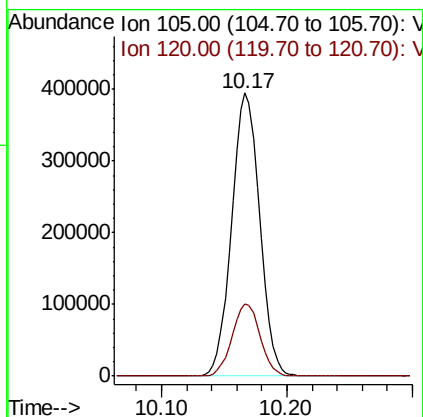
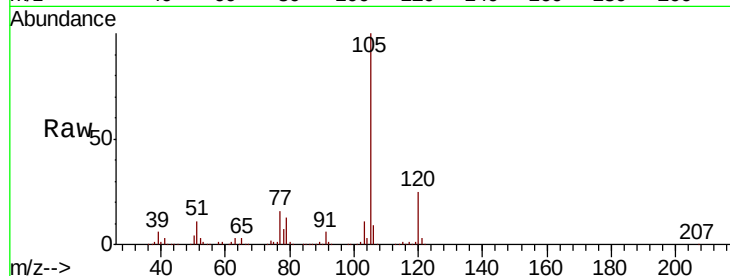
120 25.4 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.906 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Tgt Ion: 43 Resp: 365968

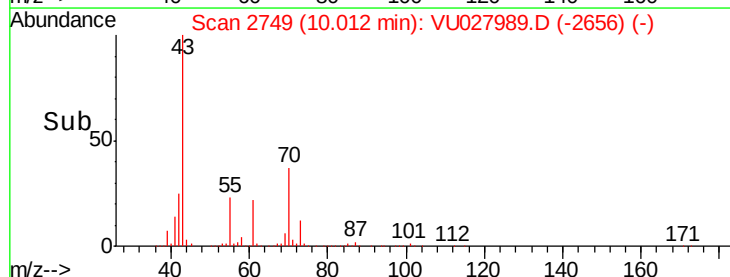
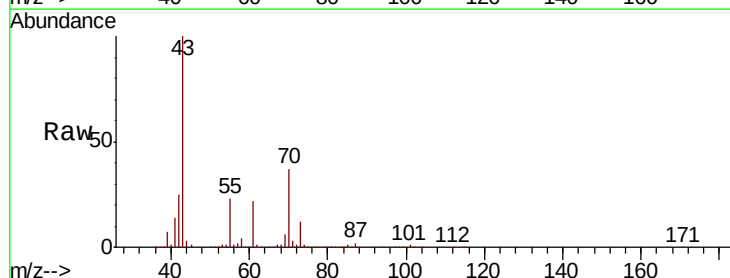
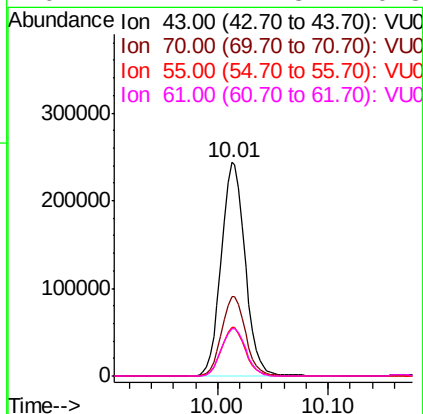
Ion Ratio Lower Upper

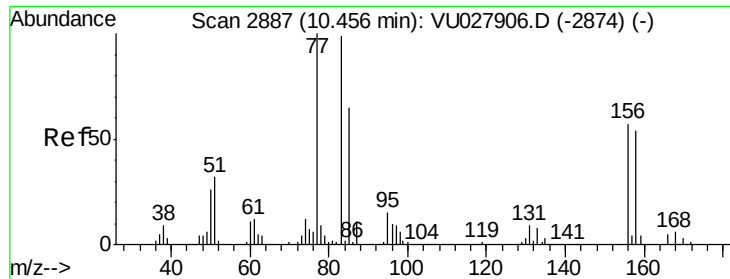
43 100

70 37.5 29.2 43.8

55 22.5 17.8 26.6

61 22.7 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 46.217 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

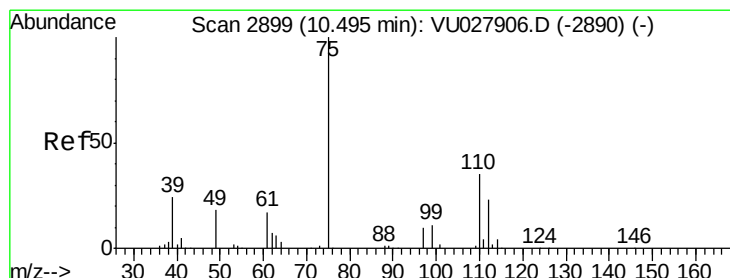
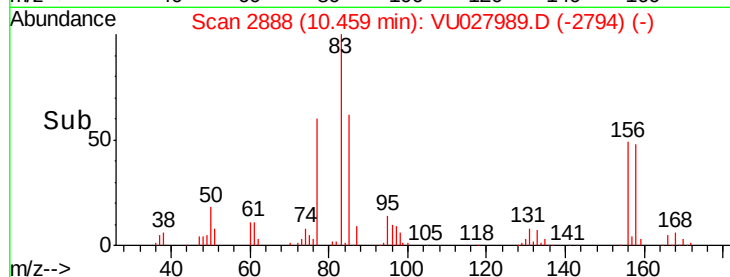
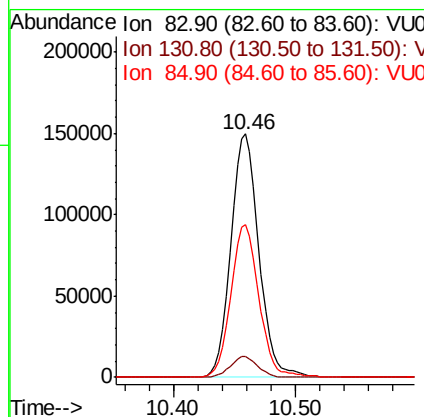
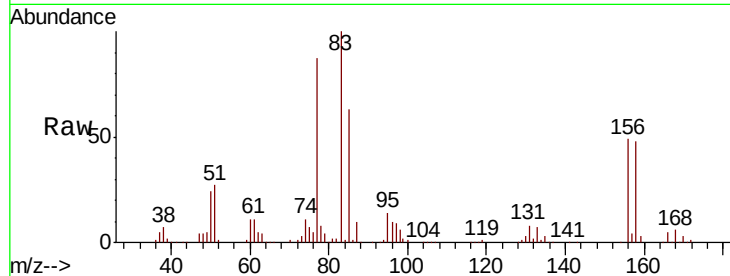
ClientSampleId :

VSTDCCC050EC

Tot Ion	83	Resp	240544
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	13.1
85	63.0	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 52.764 ug/l m

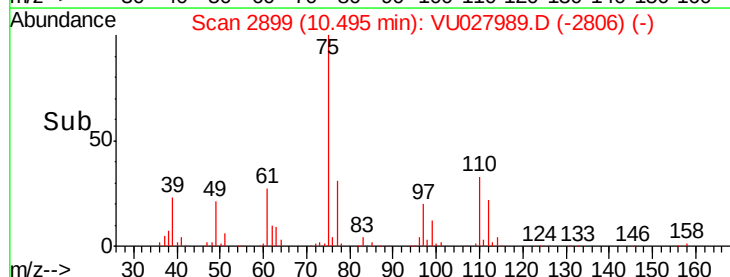
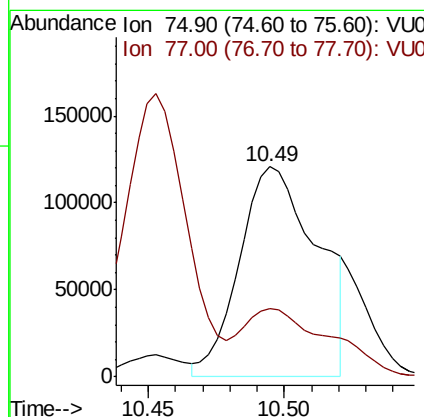
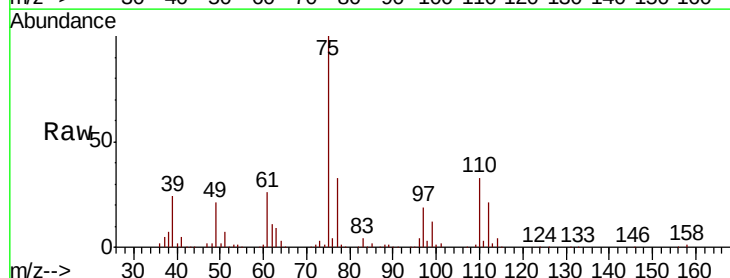
RT: 10.49 min Scan# 2899

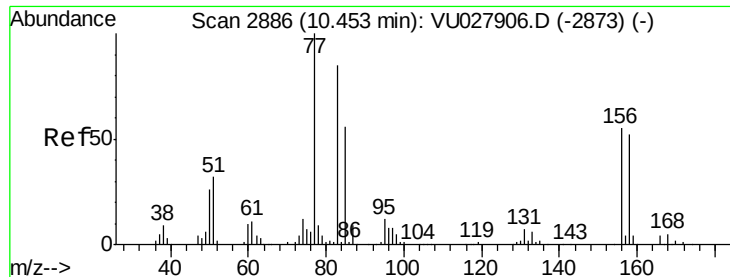
Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Tgt Ion	75	Resp	240379
Ion	Ratio	Lower	Upper
75	100		
77	37.0	21.6	64.6





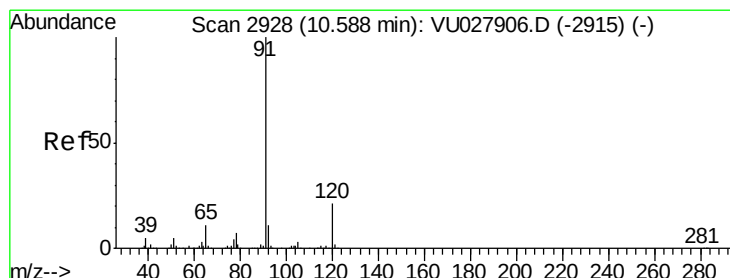
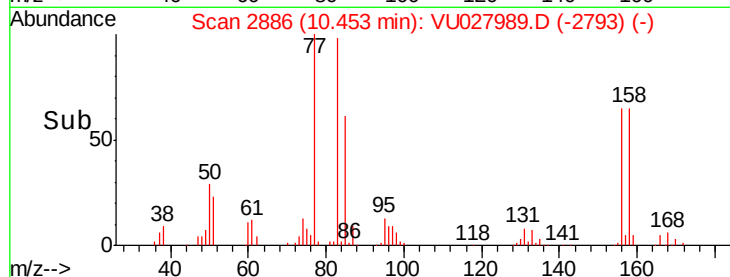
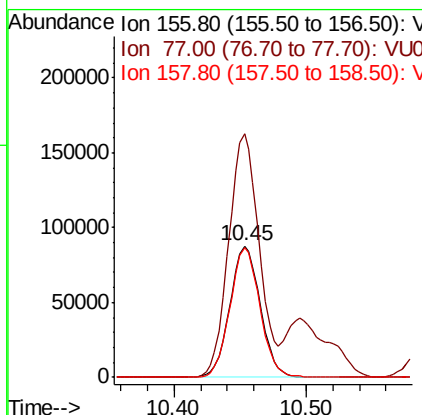
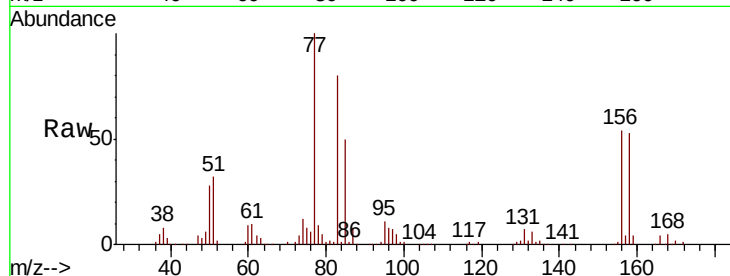
#77
Bromobenzene
Concen: 47.154 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		139511		
77	186.9	91.8	275.6		
158	97.8	48.4	145.2		

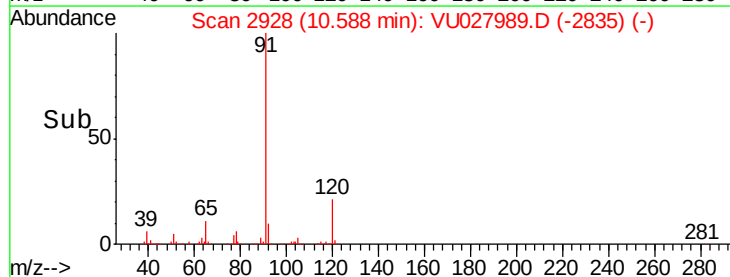
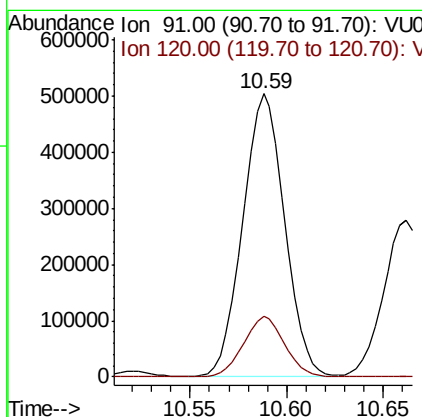
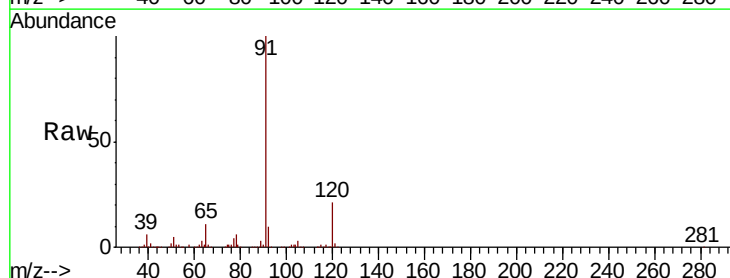
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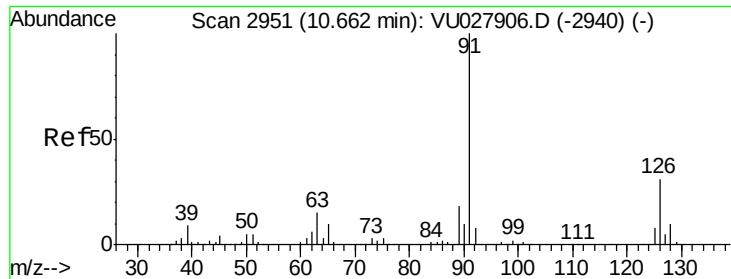
MMDadoda
11/7/2018 11:15:51 AM



#78
n-propylbenzene
Concen: 49.114 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. -0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		758555		
120	21.0	10.6	31.8		





#79

2-Chlorotoluene

Concen: 46.972 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 434846

Ion Ratio Lower Upper

91 100

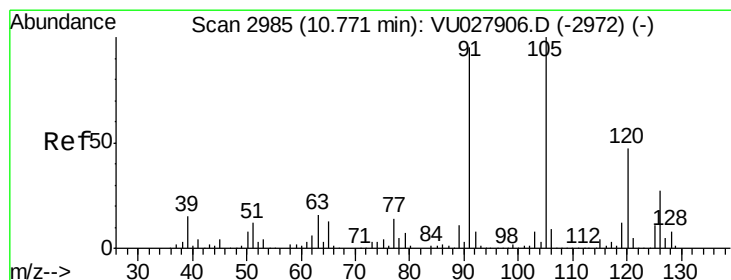
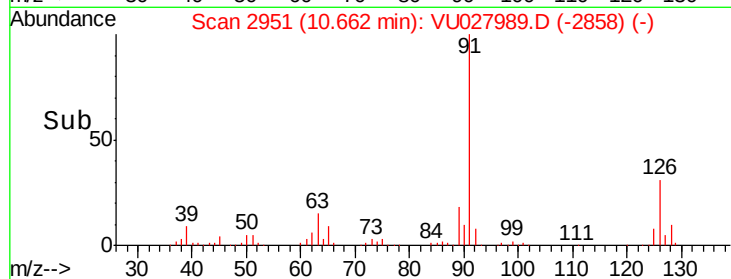
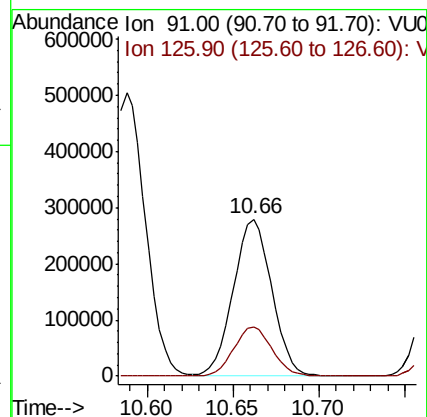
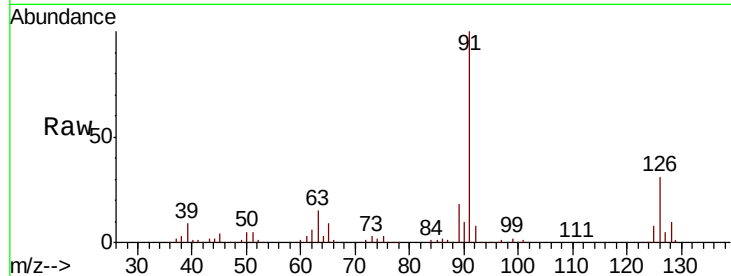
126 31.3 16.0 47.9

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#80

1,3,5-Trimethylbenzene

Concen: 48.045 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027989.D

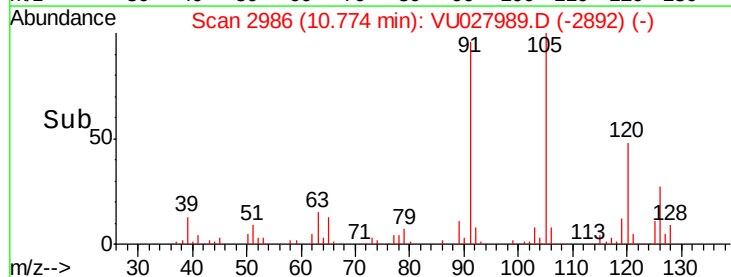
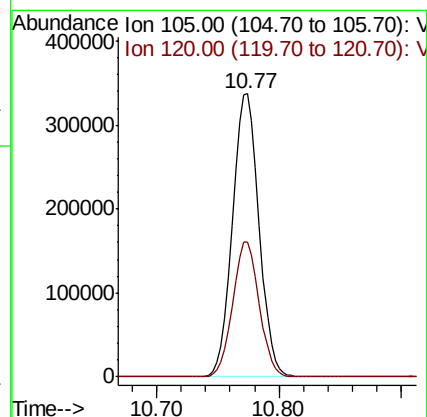
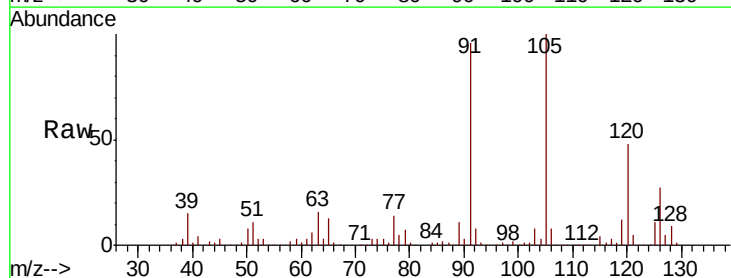
Acq: 06 Nov 2018 16:27

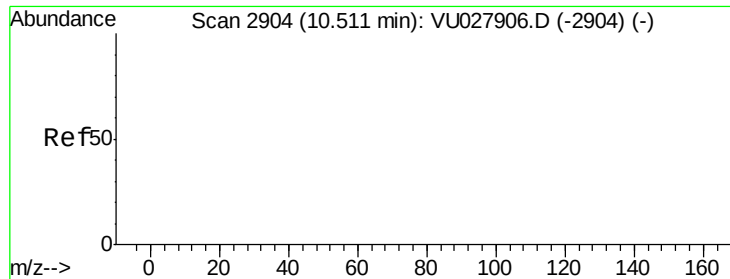
Tgt Ion: 105 Resp: 513532

Ion Ratio Lower Upper

105 100

120 47.7 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 53.002 ug/l

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

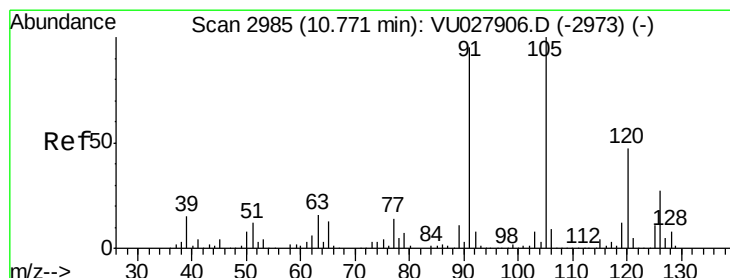
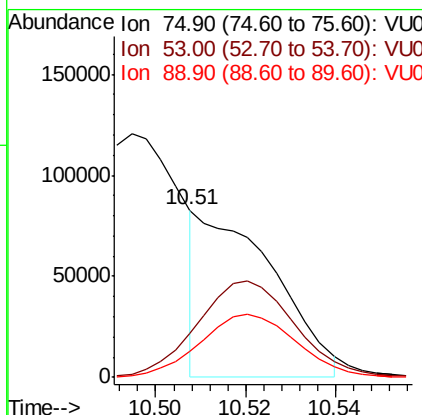
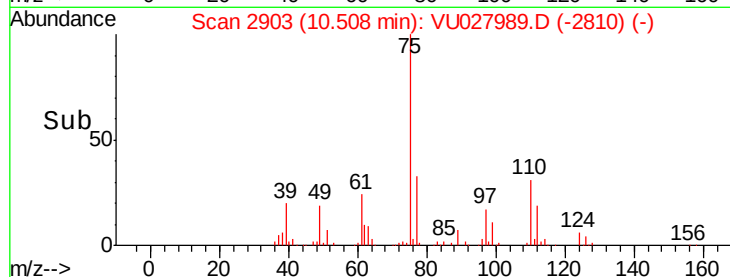
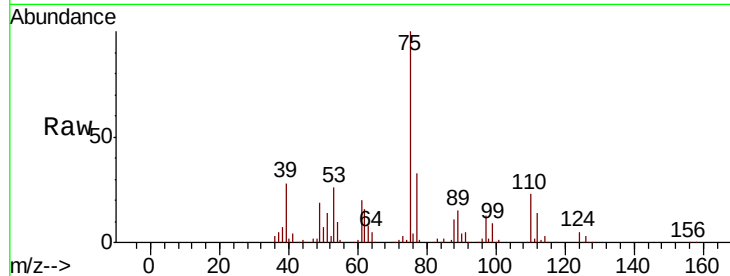
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

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

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#82

4-Chlorotoluene

Concen: 47.577 ug/l

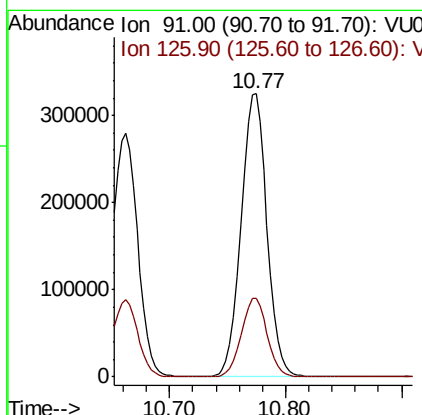
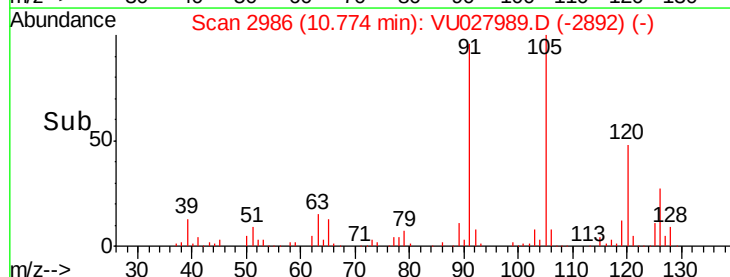
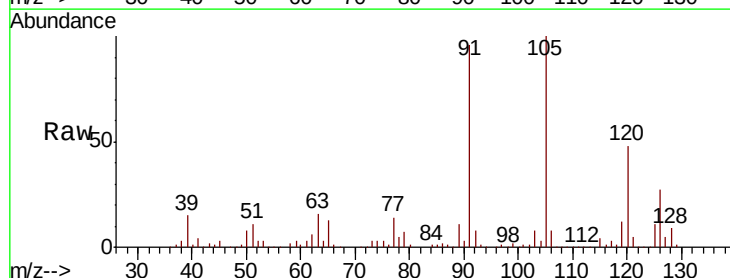
RT: 10.77 min Scan# 2986

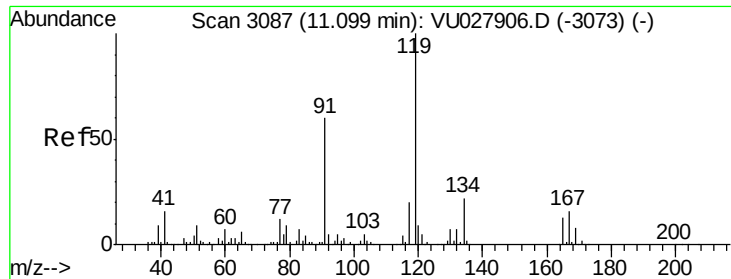
Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.2	42.6





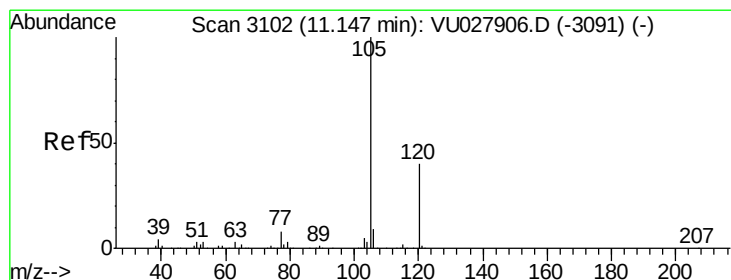
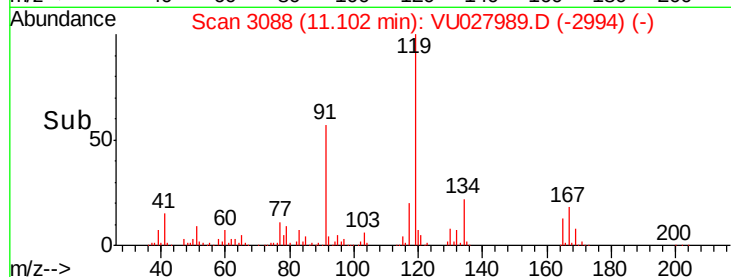
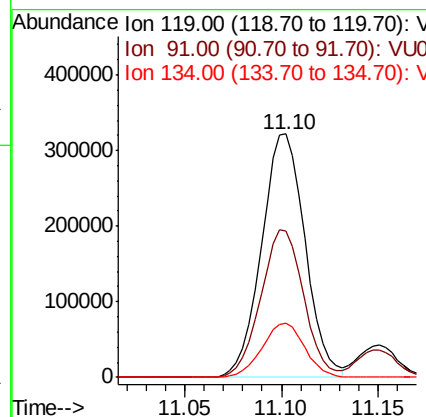
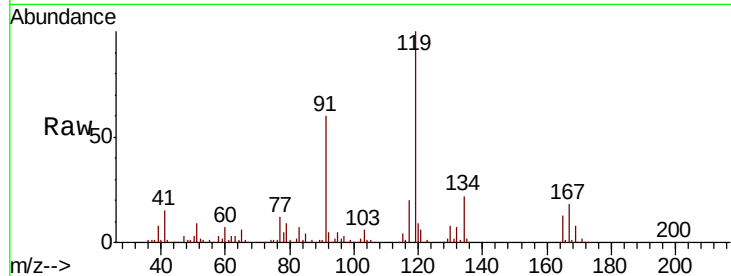
#83
tert-Butylbenzene
Concen: 47.210 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.8	89.3
134	21.9	11.1	33.1

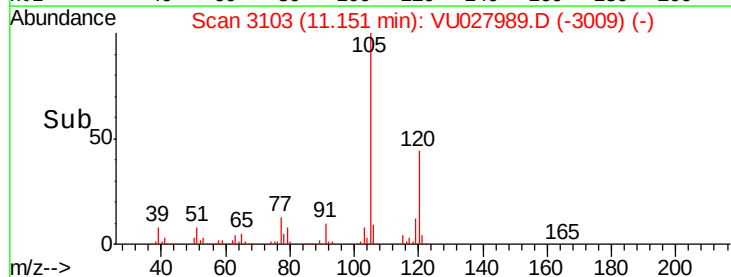
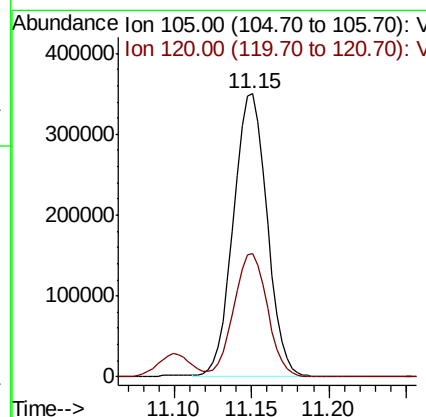
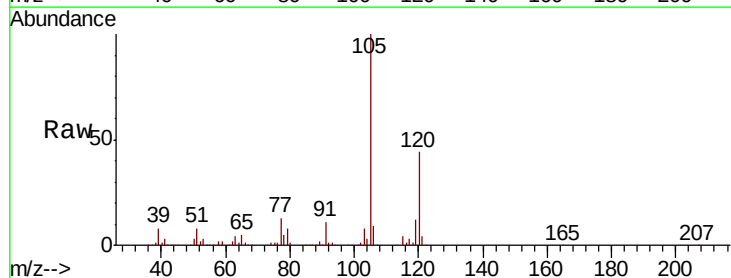
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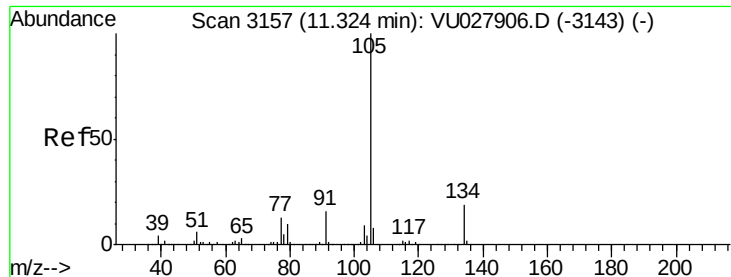
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#84
1,2,4-Trimethylbenzene
Concen: 48.969 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1





#85

sec-Butylbenzene

Concen: 49.577 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 644265

Ion Ratio Lower Upper

105 100

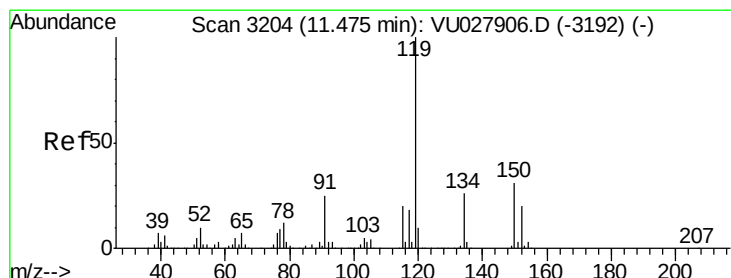
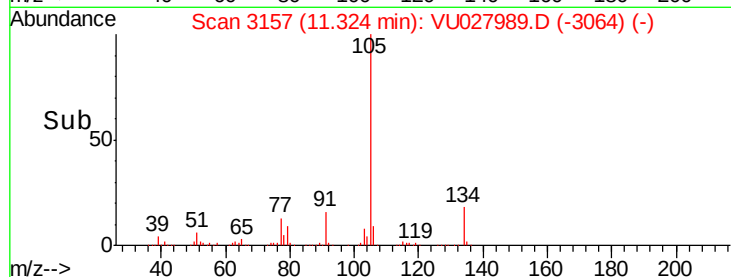
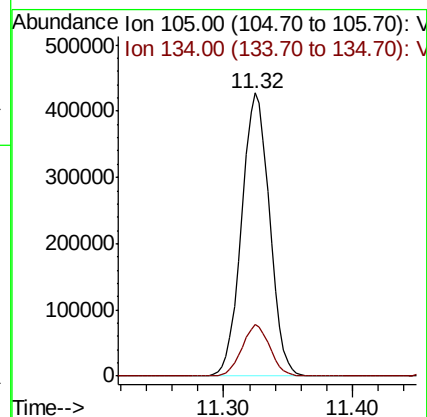
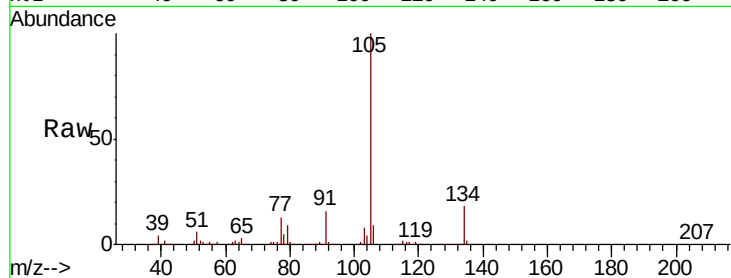
134 18.1 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 49.795 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

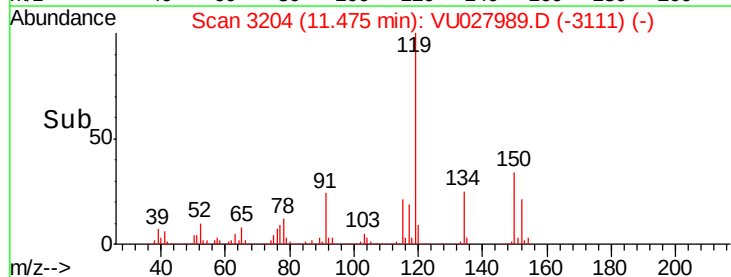
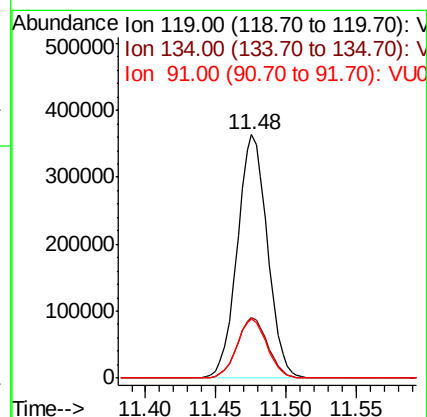
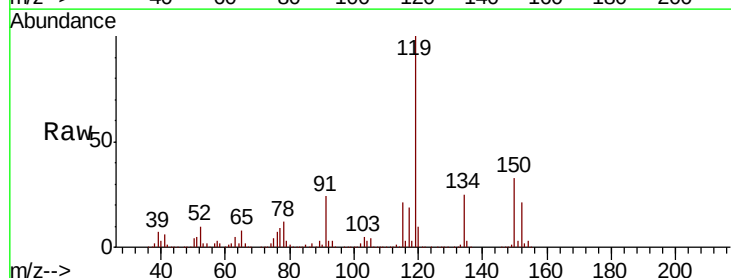
Tgt Ion:119 Resp: 540957

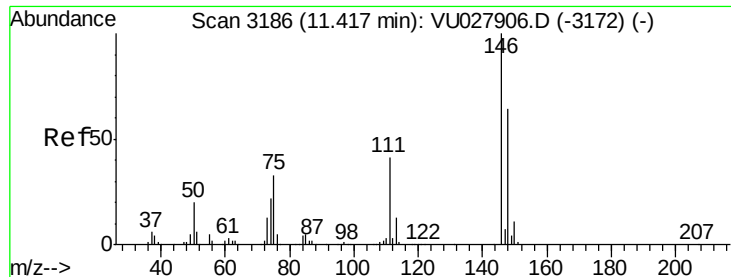
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 24.5 12.4 37.2





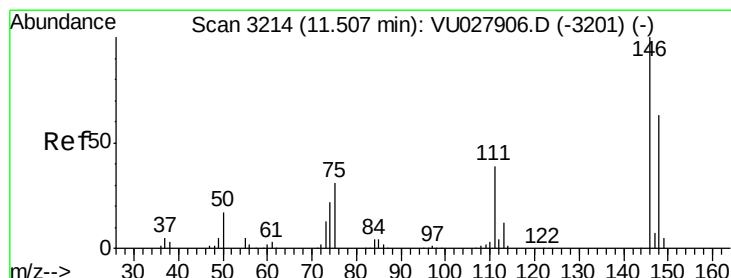
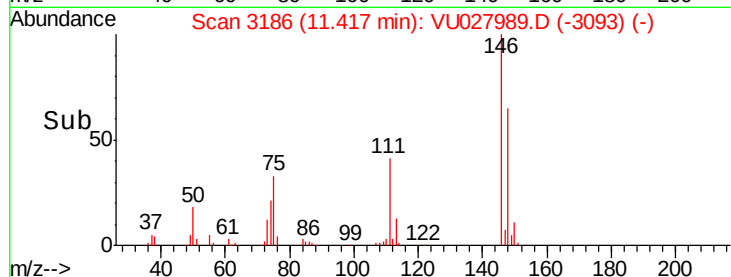
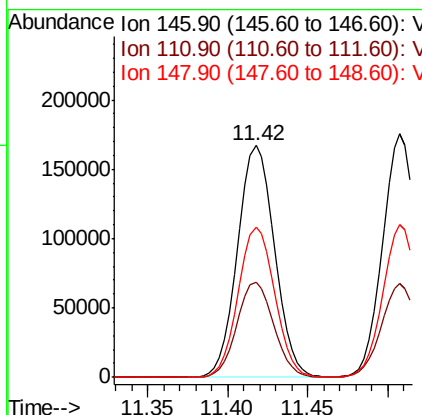
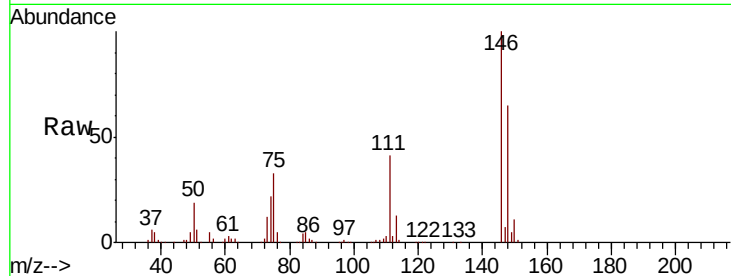
#87
 1,3-Dichlorobenzene
 Concen: 48.145 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	63.9	31.8	95.4

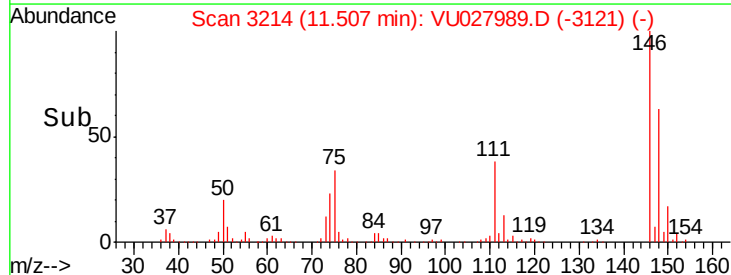
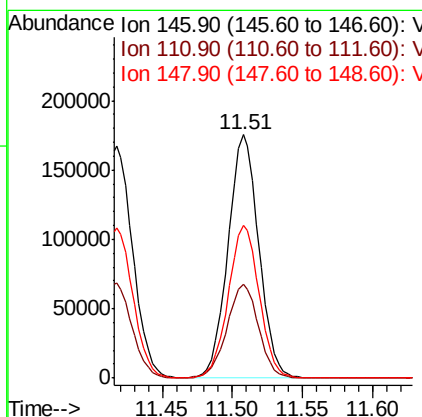
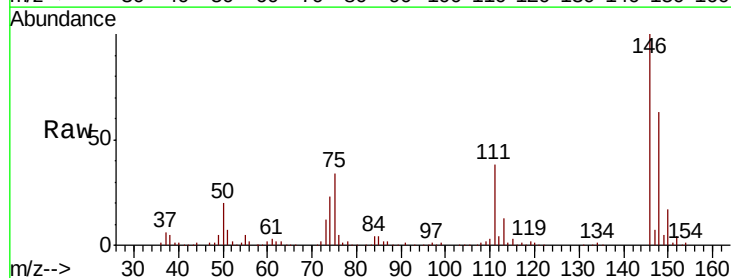
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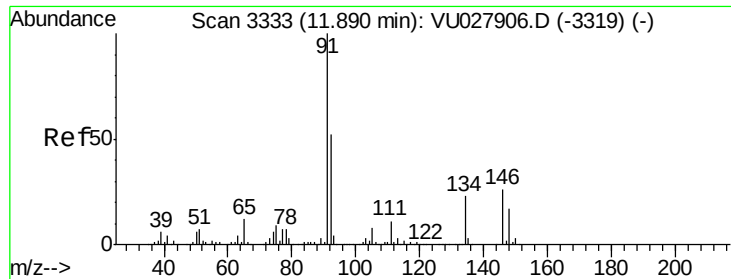
MMDadoda
 11/7/2018 11:15:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.662 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.9
148	63.2	32.0	96.2





#89

n-Butylbenzene

Concen: 52.033 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Instrument :

MSVOA_U

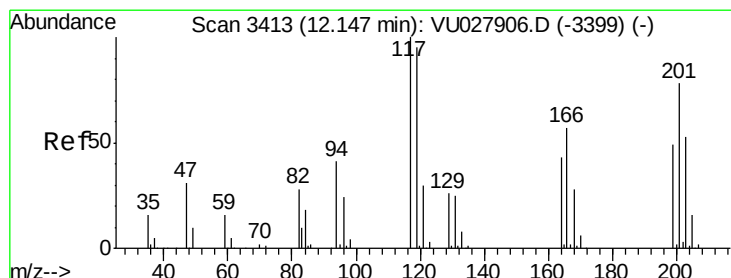
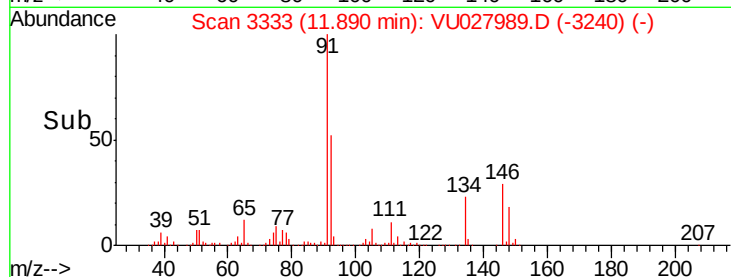
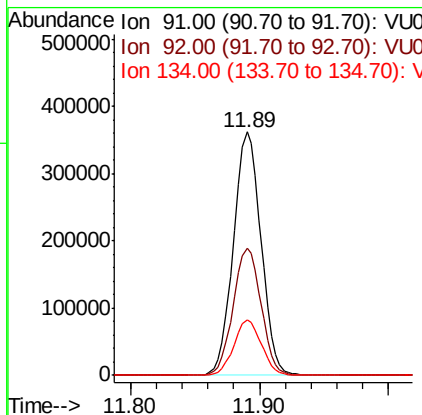
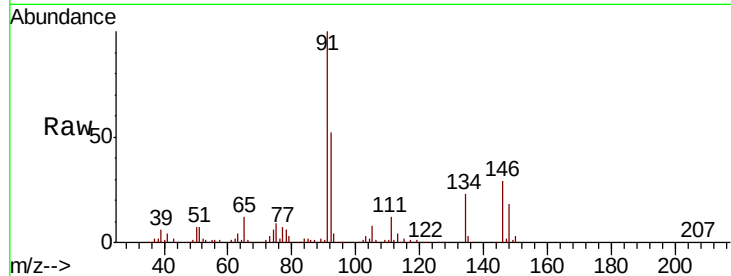
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	537215
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.2	78.5
134	22.7	11.5	34.5

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#90

Hexachloroethane

Concen: 48.685 ug/l

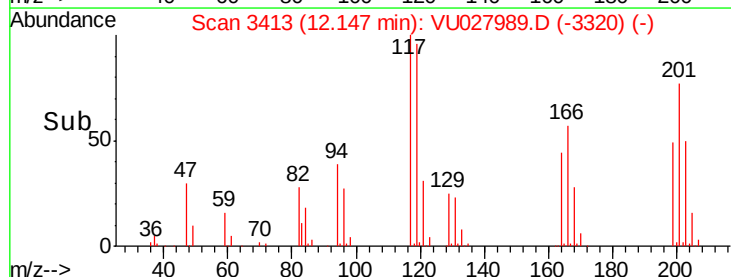
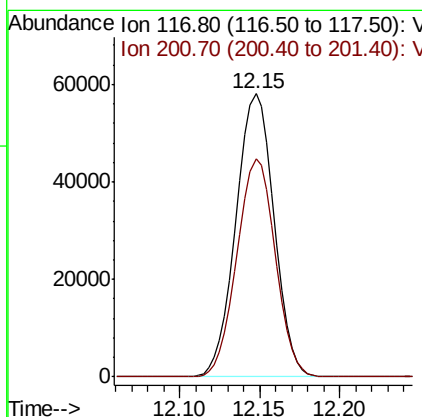
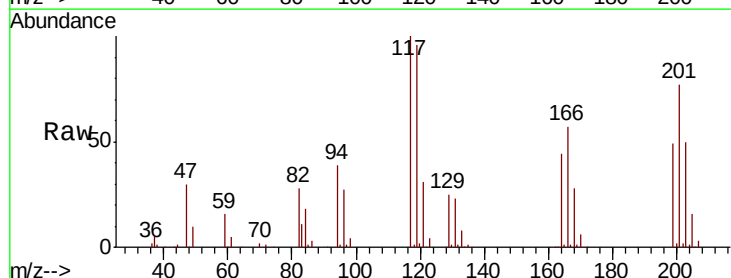
RT: 12.15 min Scan# 3413

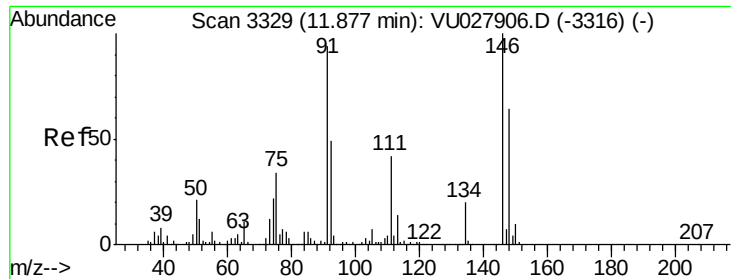
Delta R.T. -0.00 min

Lab File: VU027989.D

Acq: 06 Nov 2018 16:27

Tgt Ion:	117	Resp:	94164
Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.5	115.5





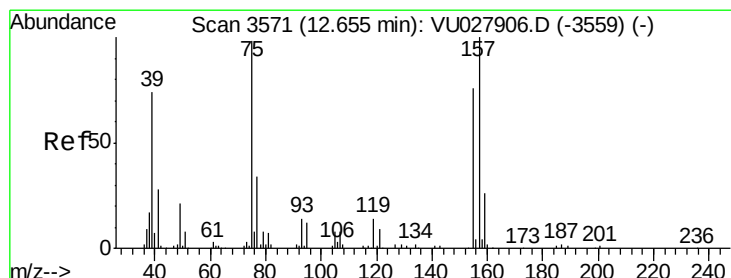
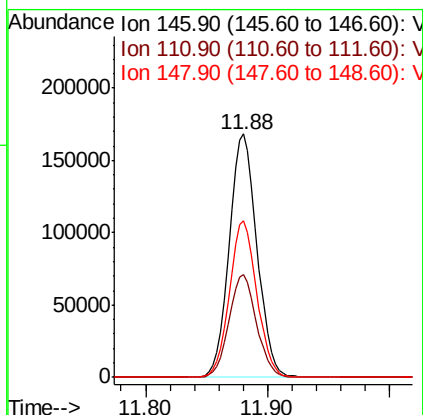
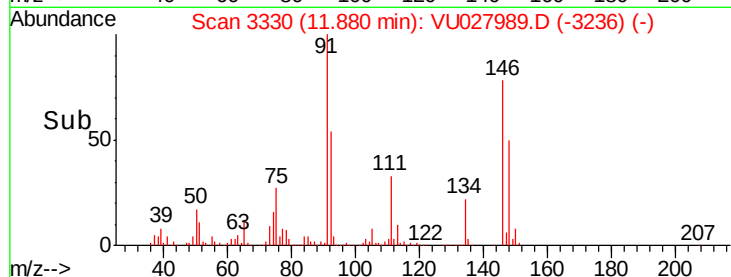
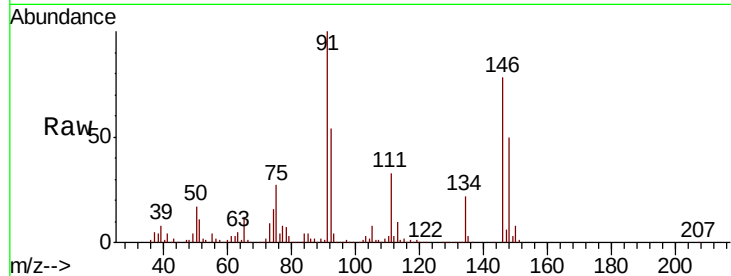
#91
 1,2-Dichlorobenzene
 Concen: 48.423 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	63.7	31.8	95.3

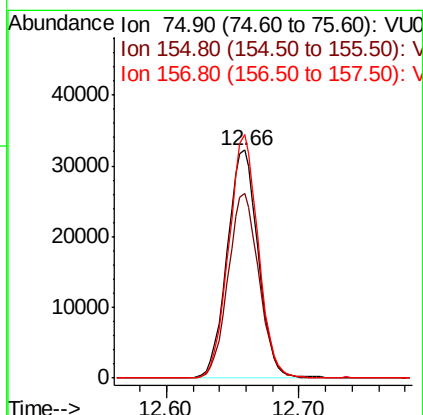
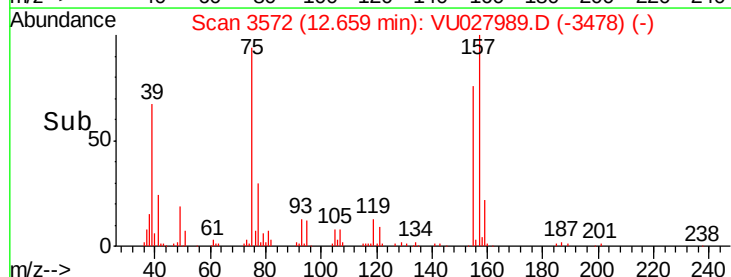
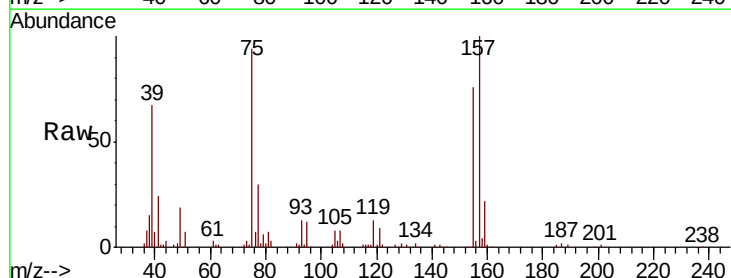
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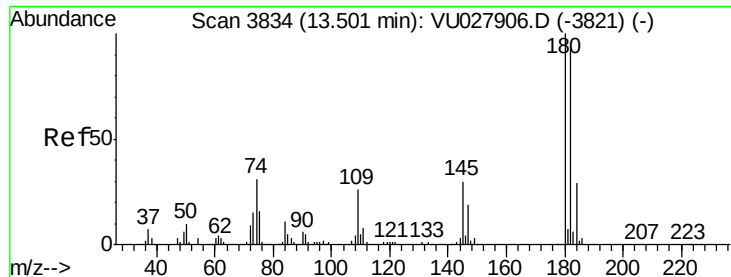
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 11/7/2018 11:15:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.656 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	39.8	119.3
157	101.9	50.6	151.9





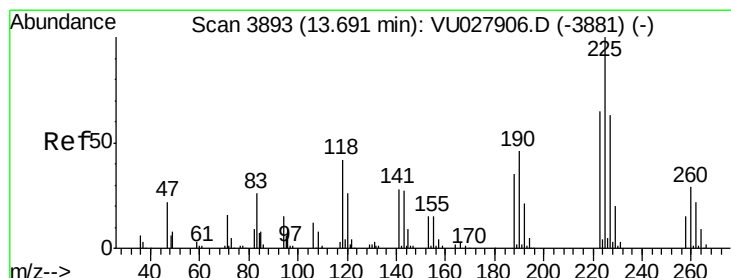
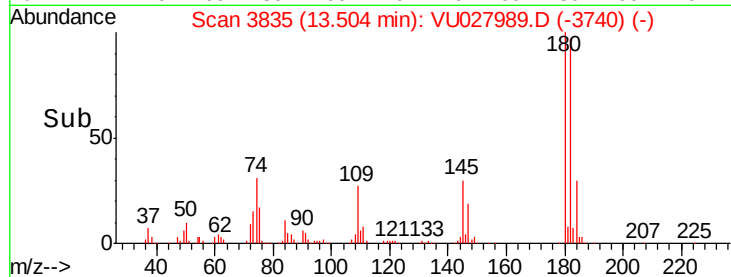
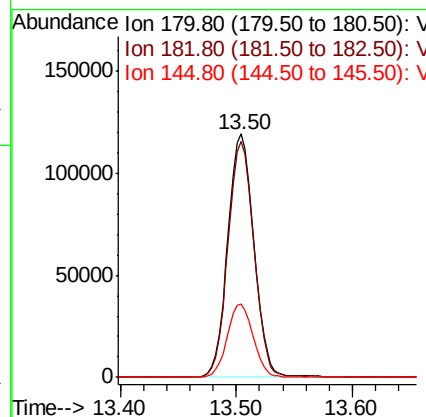
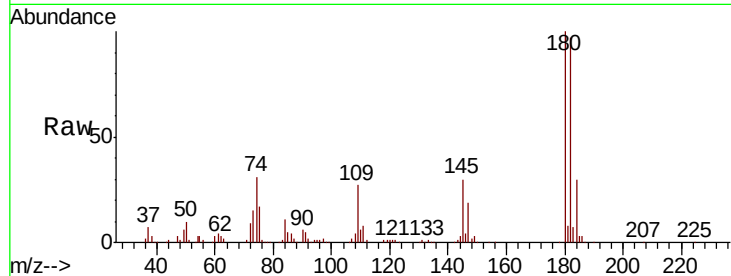
#93
 1,2,4-Trichlorobenzene
 Concen: 48.294 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186062		
182	95.7	48.4	145.2	
145	29.7	14.9	44.5	

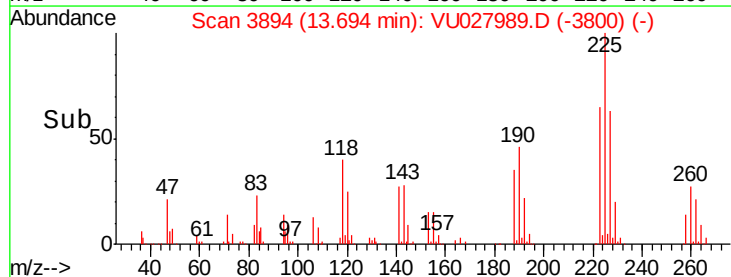
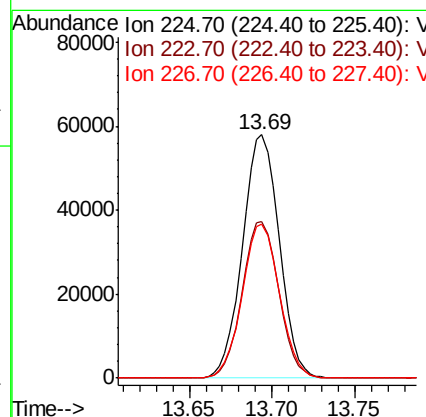
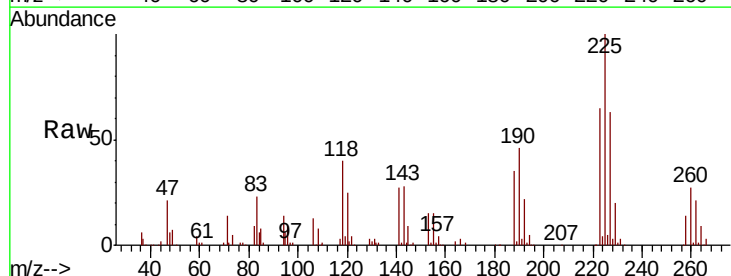
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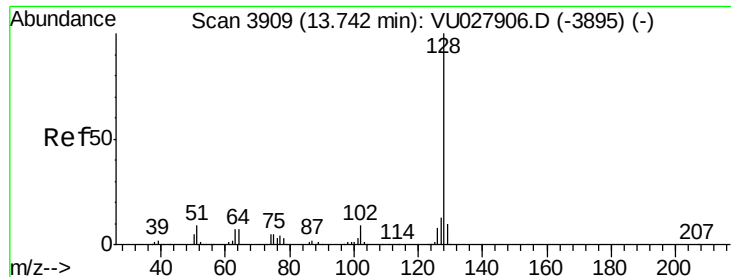
MMDadoda
 11/7/2018 11:15:51 AM



#94
 Hexachlorobutadiene
 Concen: 51.404 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027989.D
 Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89793		
223	63.9	32.2	96.6	
227	63.6	32.5	97.4	





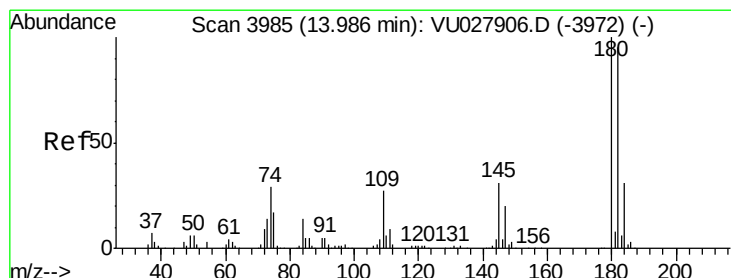
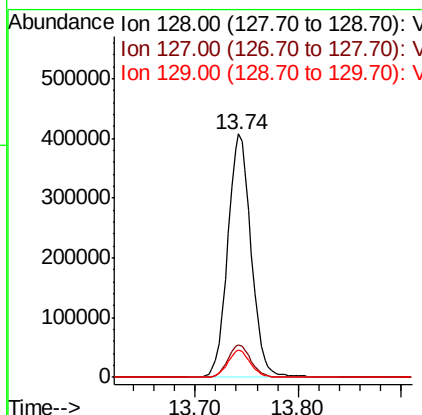
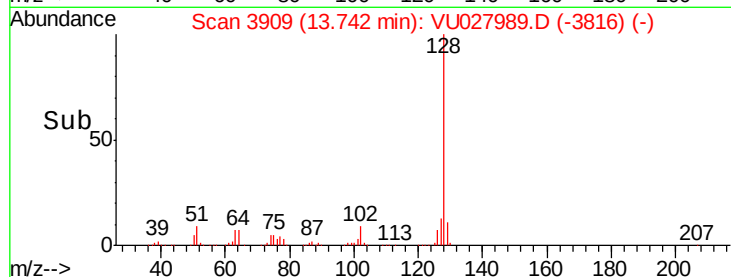
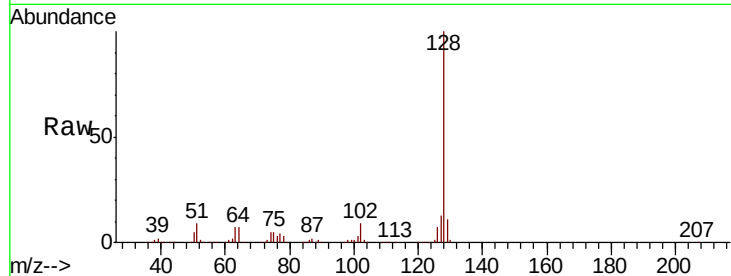
#95
Naphthalene
Concen: 47.083 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/7/2018 11:15:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.918 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027989.D
Acq: 06 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.3
145	31.7	16.0	47.9

