

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027905.D
 Acq On : 01 Nov 2018 19:12
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:00:09 AM

Quant Time: Nov 02 01:05:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 01:48:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	165686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	290366	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	264869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	126098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	47824	17.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.90%	
35) Dibromofluoromethane	4.88	113	34852	17.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.32%	
50) Toluene-d8	7.57	98	133329	18.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.20%	
62) 4-Bromofluorobenzene	10.31	95	48047	17.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.02%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	45464	19.450	ug/l	98
3) Chloromethane	1.33	50	49753	15.943	ug/l	99
4) Vinyl Chloride	1.40	62	49592	16.784	ug/l	99
5) Bromomethane	1.62	94	20341	15.978	ug/l	96
6) Chloroethane	1.70	64	28502	15.998	ug/l	100
7) Trichlorofluoromethane	1.89	101	59304	19.312	ug/l	97
8) Diethyl Ether	2.11	74	24484	17.543	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35005	19.569	ug/l	99
10) Methyl Iodide	2.41	142	19524	14.831	ug/l	99
11) Tert butyl alcohol	2.83	59	64290	106.559	ug/l	100
12) 1,1-Dichloroethene	2.29	96	33806	19.338	ug/l	98
13) Acrolein	2.20	56	23149	52.647	ug/l	94
14) Allyl chloride	2.59	41	78975	19.037	ug/l	99
15) Acrylonitrile	2.94	53	157589	102.147	ug/l	97
16) Acetone	2.32	43	143236	88.815	ug/l	98
17) Carbon Disulfide	2.48	76	108720	17.403	ug/l	99
18) Methyl Acetate	2.62	43	78484	20.542	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	139190	19.794	ug/l	99
20) Methylene Chloride	2.70	84	43209	18.921	ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	38694	19.561	ug/l	97
22) Diisopropyl ether	3.58	45	174435	20.489	ug/l	96
23) Vinyl Acetate	3.53	43	754881	101.588	ug/l	100
24) 1,1-Dichloroethane	3.45	63	85964	19.795	ug/l	100
25) 2-Butanone	4.27	43	239867	105.601	ug/l	99
26) 2,2-Dichloropropane	4.23	77	61792	17.577	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	44498	19.603	ug/l	98
28) Bromochloromethane	4.55	49	43679	21.184	ug/l	99
29) Tetrahydrofuran	4.64	42	160188	110.984	ug/l	99
30) Chloroform	4.67	83	79184	20.434	ug/l	100
31) Cyclohexane	5.00	56	87309	17.232	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	64376	19.802	ug/l	99
36) 1,1-Dichloropropene	5.14	75	57834	18.460	ug/l	99
37) Ethyl Acetate	4.39	43	87826	21.148	ug/l	99
38) Carbon Tetrachloride	5.14	117	51256	18.123	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72148	19.646	ug/l	98
40) Benzene	5.39	78	183415	19.827	ug/l	99
41) Methacrylonitrile	4.54	41	46751	19.968	ug/l	96
42) 1,2-Dichloroethane	5.41	62	64943	19.138	ug/l	99
43) Isopropyl Acetate	5.55	43	136377	21.209	ug/l	100
44) Trichloroethene	6.19	130	38521	18.835	ug/l	100
45) 1,2-Dichloropropane	6.44	63	52454	19.737	ug/l	98
46) Dibromomethane	6.56	93	30043	20.005	ug/l	98
47) Bromodichloromethane	6.76	83	57558	18.619	ug/l	99
48) Methyl methacrylate	6.62	41	66860	20.890	ug/l	100
49) 1,4-Dioxane	6.62	88	23624	432.850	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	451331	107.360	ug/l	100
52) Toluene	7.64	92	106035	19.471	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	63734	17.614	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	71648	18.404	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	43232	20.021	ug/l	95
56) Ethyl methacrylate	8.02	69	75662	20.870	ug/l	98
57) 1,3-Dichloropropane	8.24	76	79033	18.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	213234	107.431	ug/l	99
59) 2-Hexanone	8.36	43	350860	107.365	ug/l	99
60) Dibromochloromethane	8.48	129	41041	18.918	ug/l	97
61) 1,2-Dibromoethane	8.59	107	46317	19.972	ug/l	98
64) Tetrachloroethene	8.23	164	33307	20.203	ug/l	95
65) Chlorobenzene	9.12	112	109296	19.549	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	37109	19.266	ug/l	99
67) Ethyl Benzene	9.25	91	205090	20.668	ug/l	100
68) m/p-Xylenes	9.38	106	149322	41.268	ug/l	98
69) o-Xylene	9.78	106	73462	21.266	ug/l	100
70) Styrene	9.79	104	118202	20.827	ug/l	100
71) Bromoform	9.96	173	28289	18.067	ug/l #	100
73) Isopropylbenzene	10.17	105	193146	21.065	ug/l	100
74) N-amyl acetate	10.02	43	116456	21.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	78211	21.398	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	65484m	20.030	ug/l	
77) Bromobenzene	10.45	156	44505	20.678	ug/l	98
78) n-propylbenzene	10.59	91	233224	21.146	ug/l	100
79) 2-Chlorotoluene	10.66	91	138386	20.779	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	164011	21.832	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	23728m	18.754	ug/l	
82) 4-Chlorotoluene	10.77	91	157156	20.855	ug/l	100
83) tert-Butylbenzene	11.10	119	155148	21.367	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	162136	21.207	ug/l	97
85) sec-Butylbenzene	11.32	105	196010	21.450	ug/l	100
86) p-Isopropyltoluene	11.48	119	162163	20.834	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	80263	19.836	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	81240	19.662	ug/l	100
89) n-Butylbenzene	11.89	91	152823	20.915	ug/l	99
90) Hexachloroethane	12.15	117	27919	19.080	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	83343	21.048	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16519	20.568	ug/l	96

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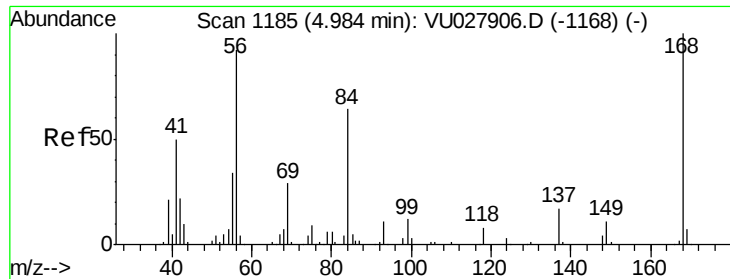
Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:00:09 AM

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Quant Title : SW846 8260
QLast Update : Fri Nov 02 01:48:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	52665	20.530	ug/l	99
94) Hexachlorobutadiene	13.69	225	26098	20.255	ug/l	98
95) Naphthalene	13.74	128	192954	22.070	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	56659	21.113	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 165686

Ion Ratio Lower Upper

168 100

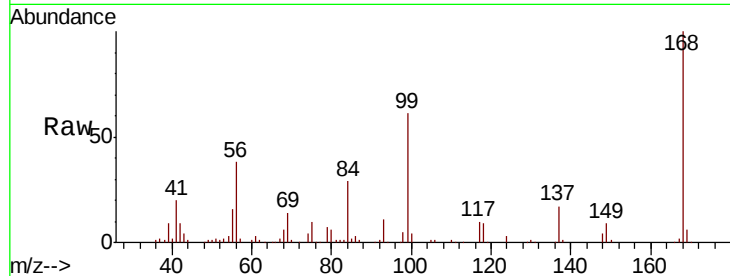
99 60.8 47.9 71.9

Manual Integrations

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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) (-)

80000

60000

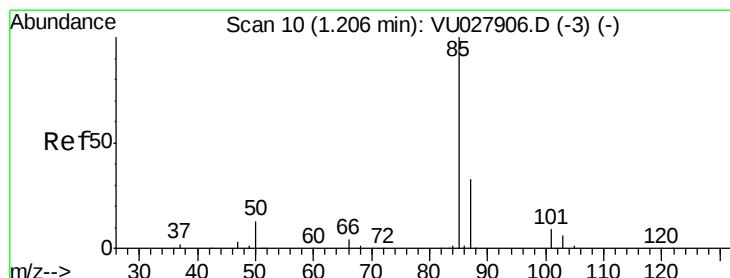
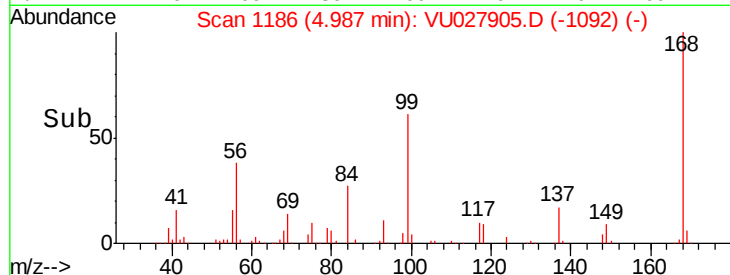
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.450 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027905.D

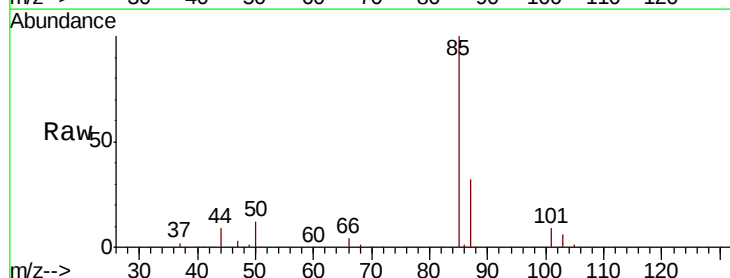
Acq: 01 Nov 2018 19:12

Tgt Ion: 85 Resp: 45464

Ion Ratio Lower Upper

85 100

87 31.9 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) (-)

50000

40000

30000

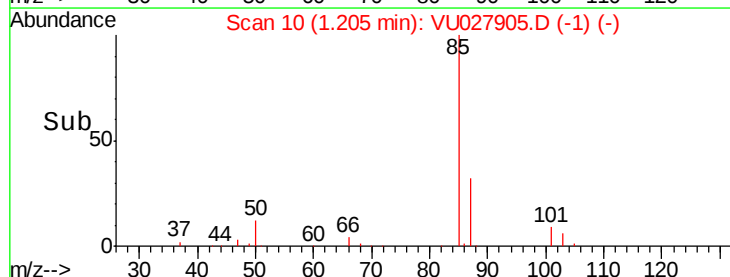
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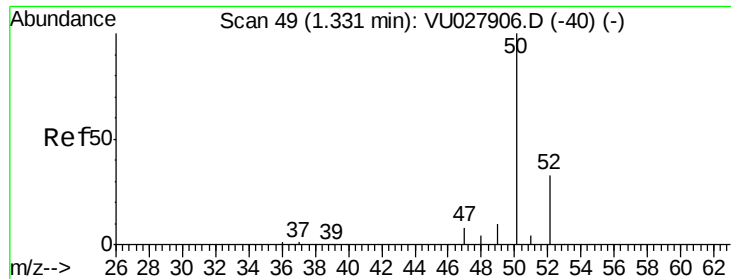
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.943 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 49753

Ion Ratio Lower Upper

50 100

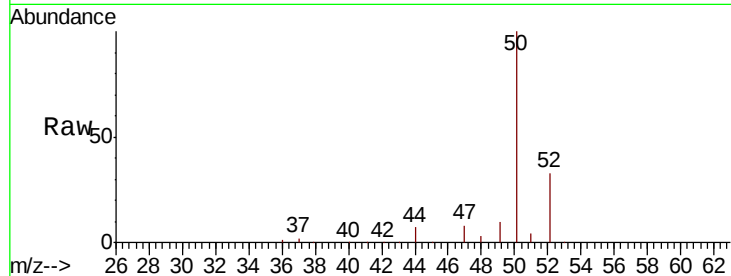
52 33.2 26.2 39.4

Manual Integrations

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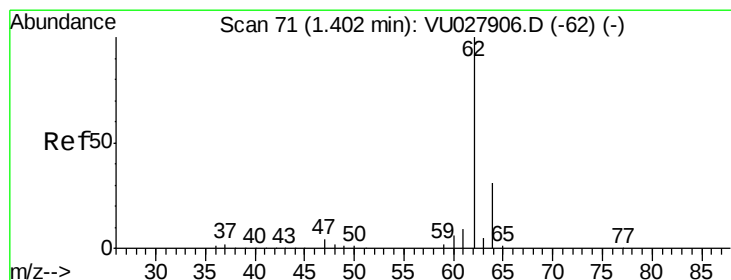
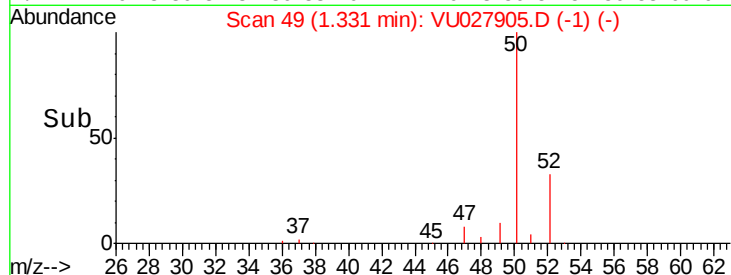
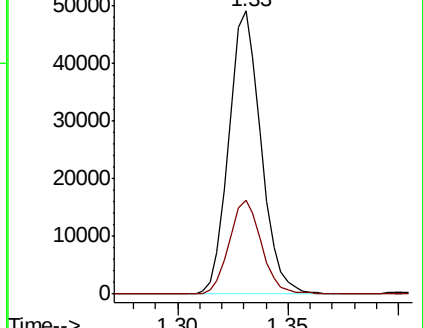
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Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027906.D (-40) (-)



#4

Vinyl Chloride

Concen: 16.784 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027905.D

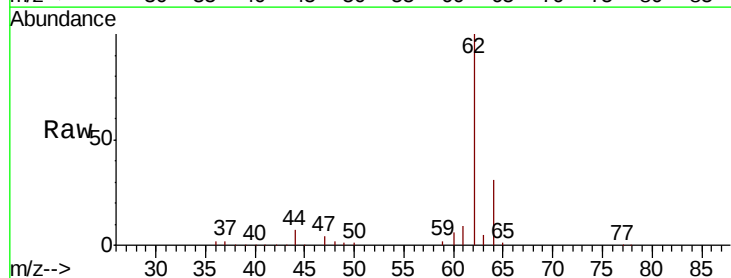
Acq: 01 Nov 2018 19:12

Tgt Ion: 62 Resp: 49592

Ion Ratio Lower Upper

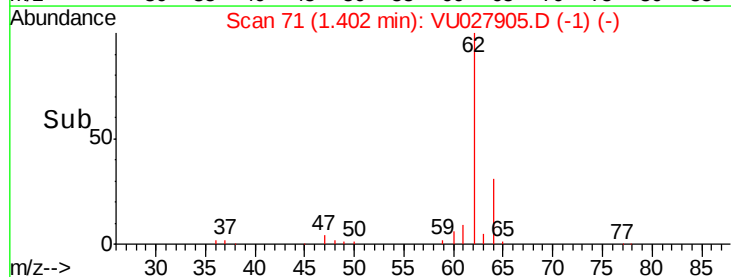
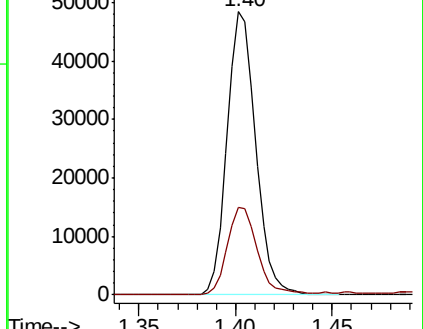
62 100

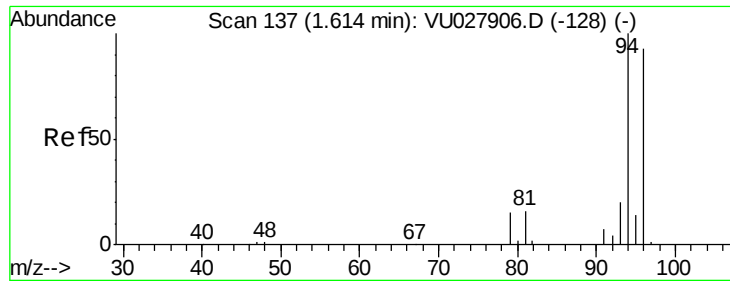
64 30.8 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)





#5

Bromomethane

Concen: 15.978 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 20341

Ion Ratio Lower Upper

94 100

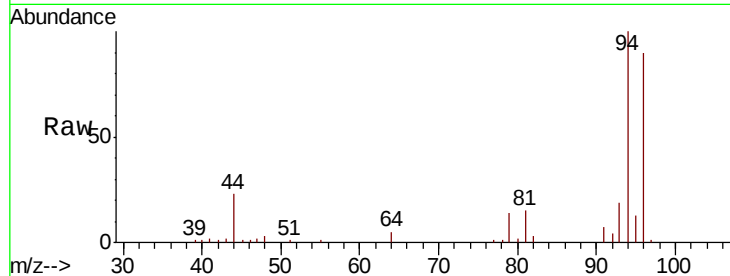
96 90.1 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU027905.D (-44) (-)

Ion 95.90 (95.60 to 96.60): VU027905.D (-44) (-)

1.62

15000

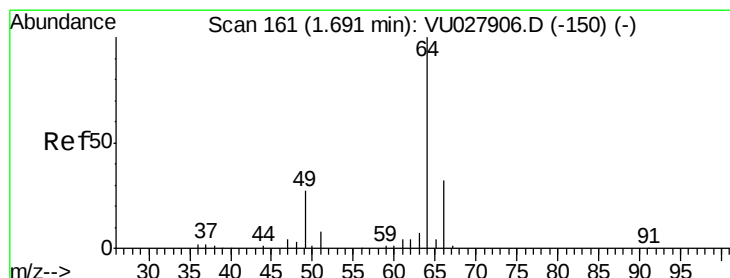
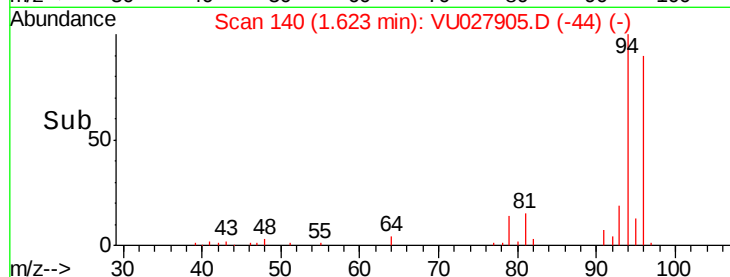
10000

5000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 15.998 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027905.D

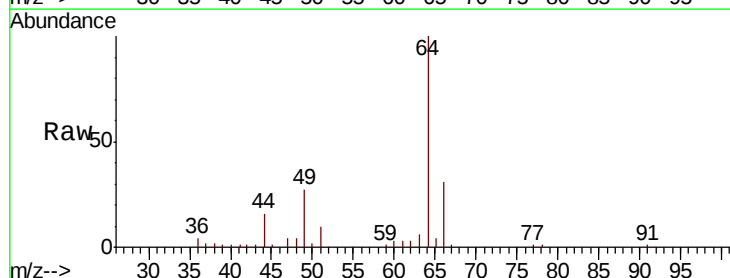
Acq: 01 Nov 2018 19:12

Tgt Ion: 64 Resp: 28502

Ion Ratio Lower Upper

64 100

66 32.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027905.D (-68) (-)

Ion 65.90 (65.60 to 66.60): VU027905.D (-68) (-)

1.70

25000

20000

15000

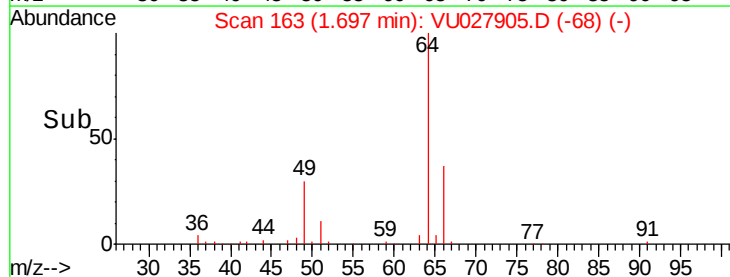
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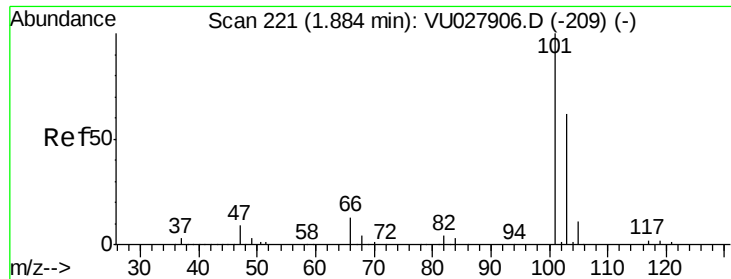
5000

0

1.65 1.70 1.75

Time-->





#7

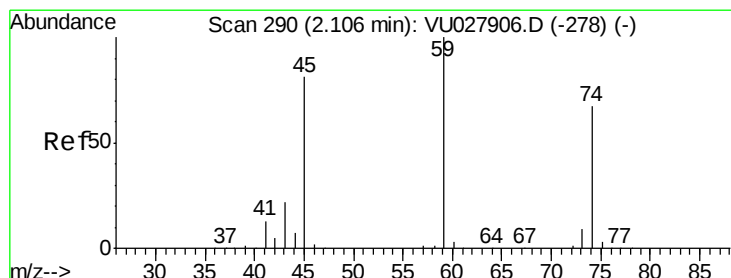
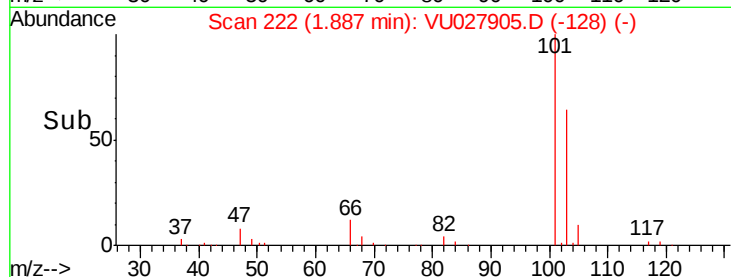
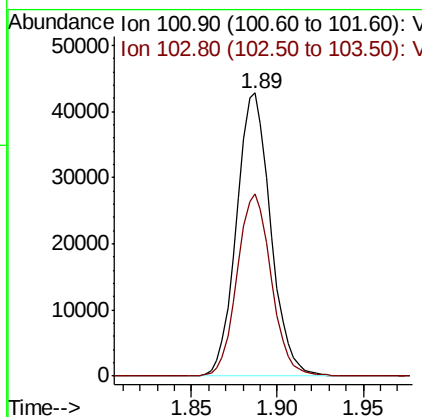
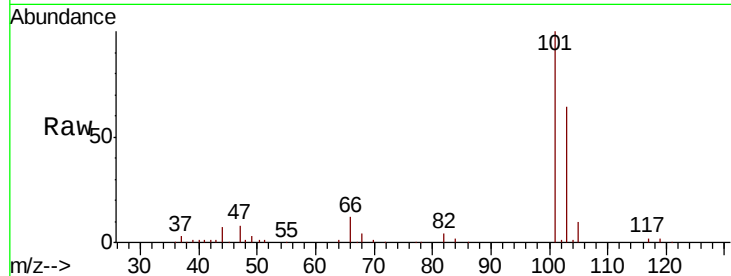
Trichlorofluoromethane
Concen: 19.312 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

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ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 59304
Ion Ratio Lower Upper
101 100
103 64.2 49.4 74.2

Manual Integrations
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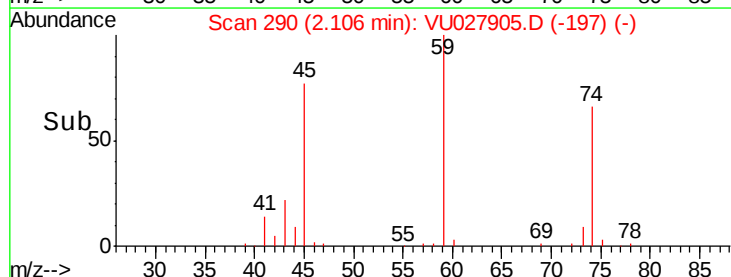
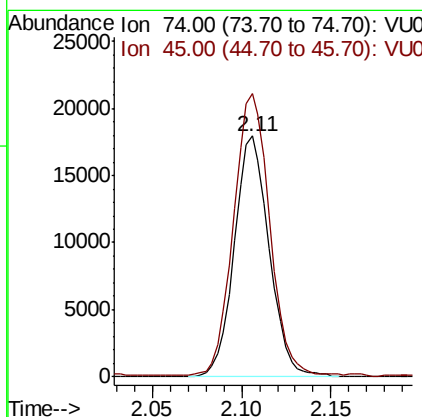
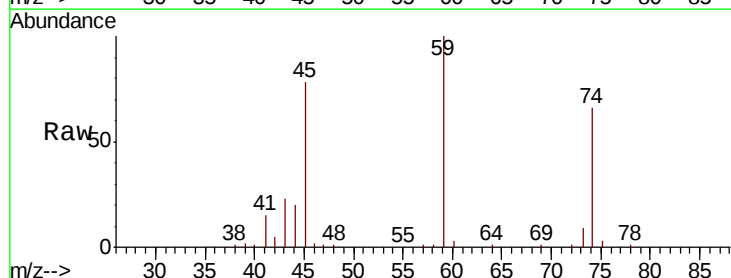
MMDadoda
11/2/2018 9:00:09 AM

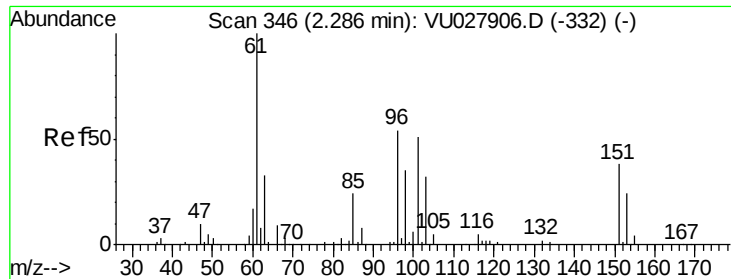


#8

Diethyl Ether
Concen: 17.543 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 74 Resp: 24484
Ion Ratio Lower Upper
74 100
45 120.5 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.569 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

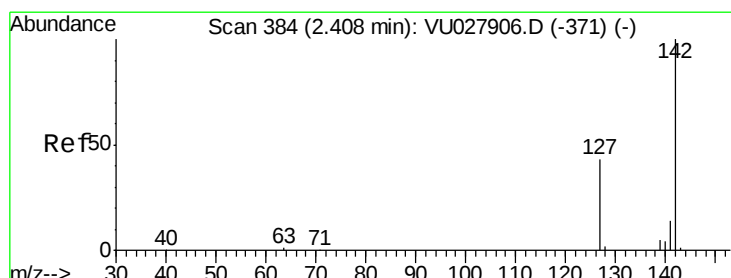
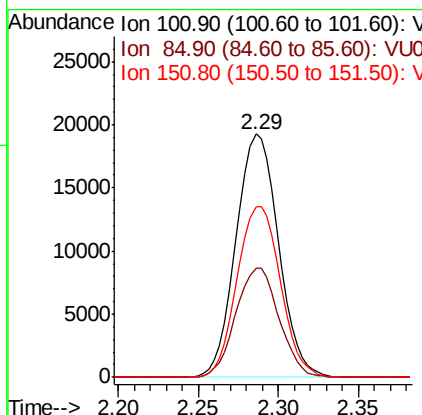
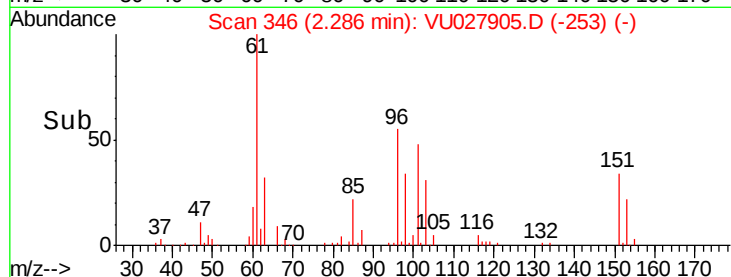
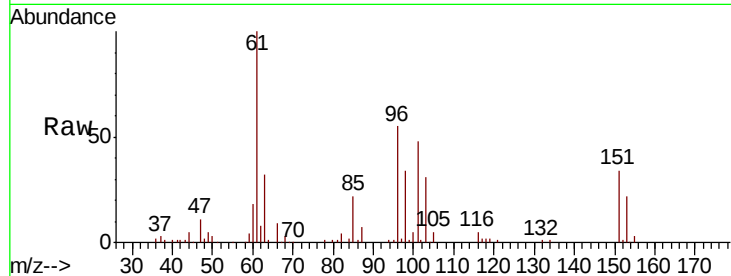
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	35005
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.9	55.3
151	71.5	58.0	87.0

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#10

Methyl Iodide

Concen: 14.831 ug/l

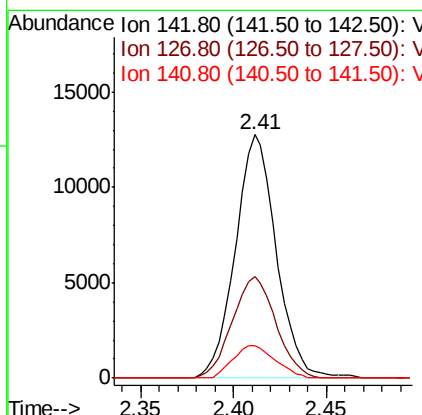
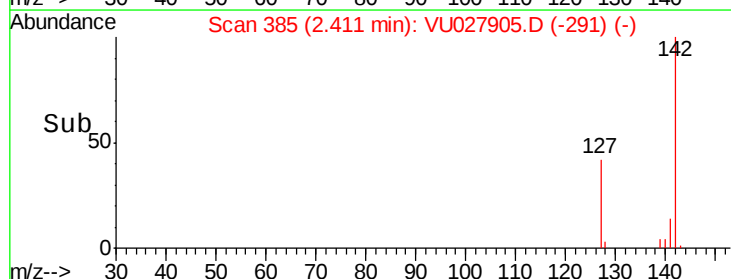
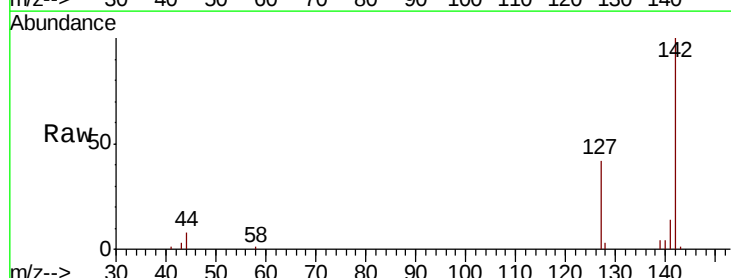
RT: 2.41 min Scan# 385

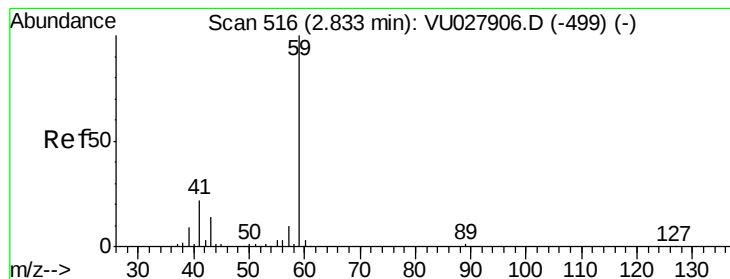
Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion:	142	Resp:	19524
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.2	52.8
141	13.7	11.8	17.8





#11

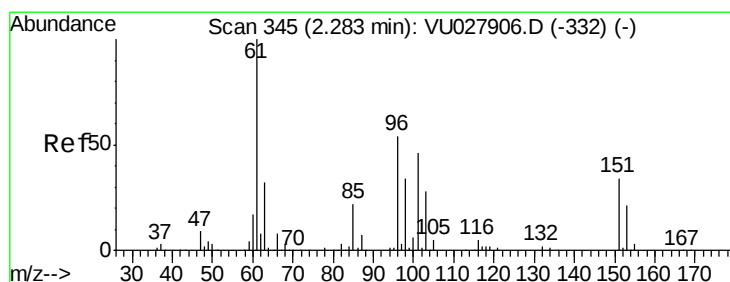
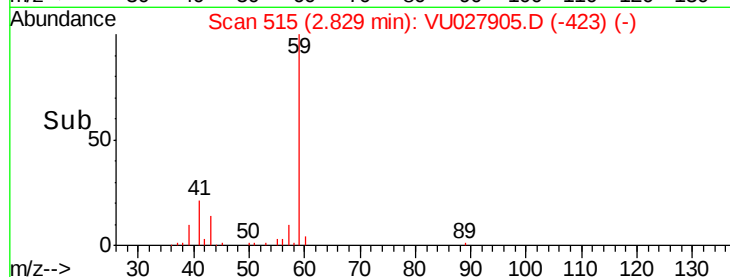
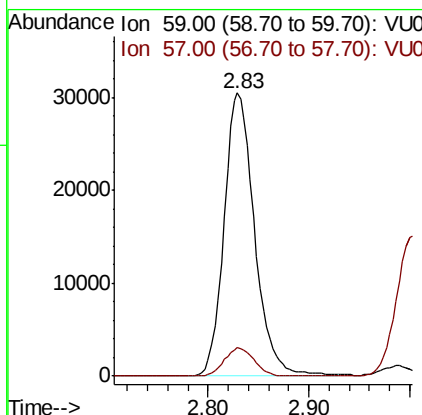
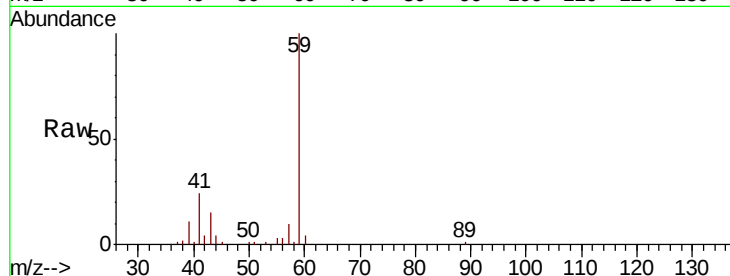
Tert butyl alcohol
Concen: 106.559 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

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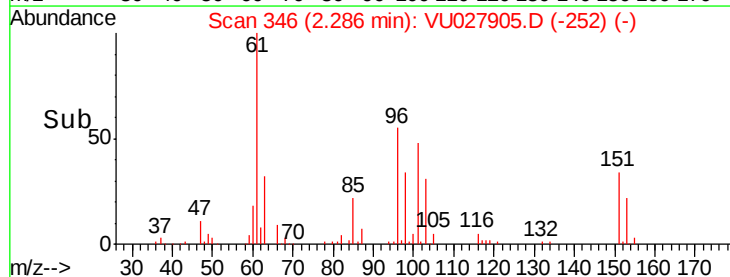
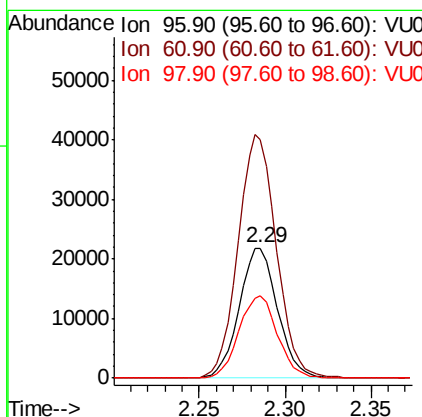
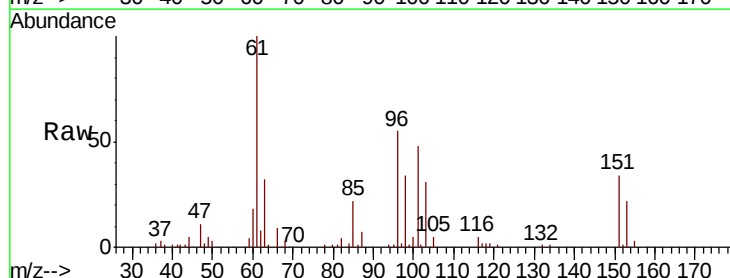
MMDadoda
11/2/2018 9:00:09 AM



#12

1,1-Dichloroethene
Concen: 19.338 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.2	149.3	223.9
98	63.2	50.6	75.8





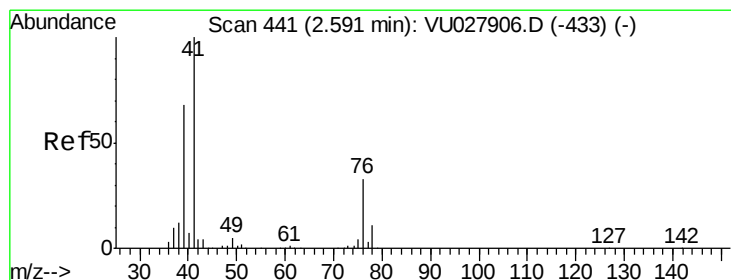
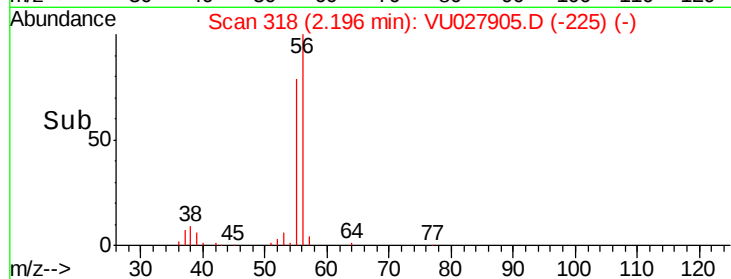
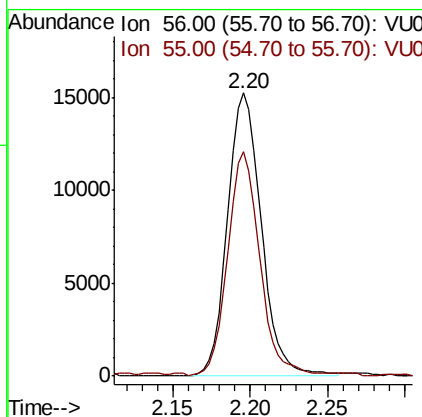
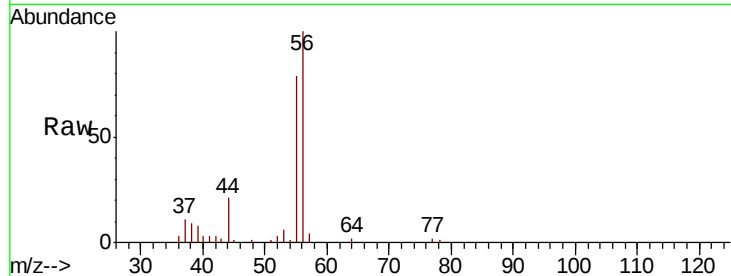
#13
Acrolein
Concen: 52.647 ug/l
RT: 2.20 min Scan# 318
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	56	55	Ratio	Lower	Upper
23149	100	75.3		56.2	84.4

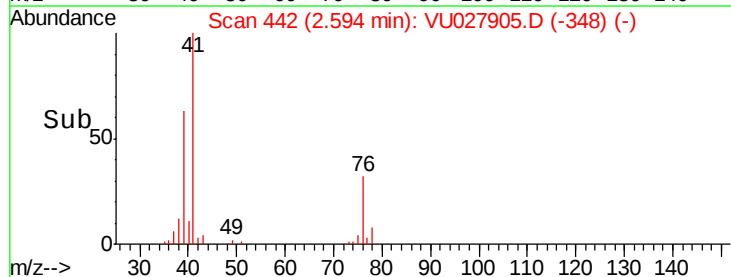
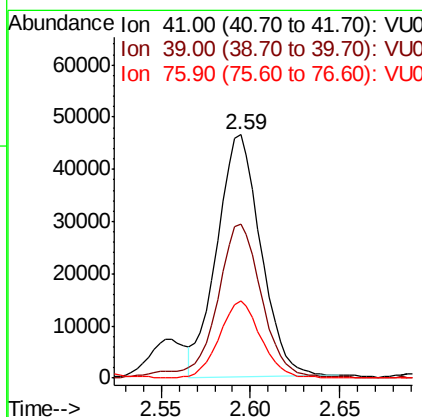
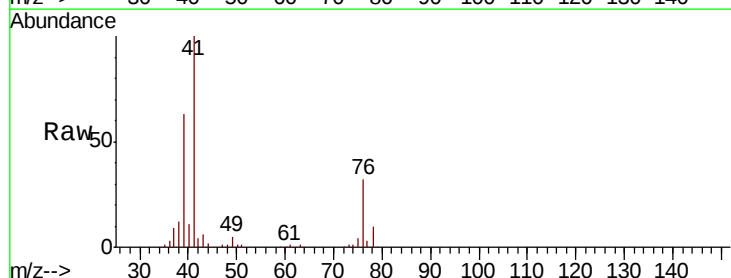
Manual Integrations
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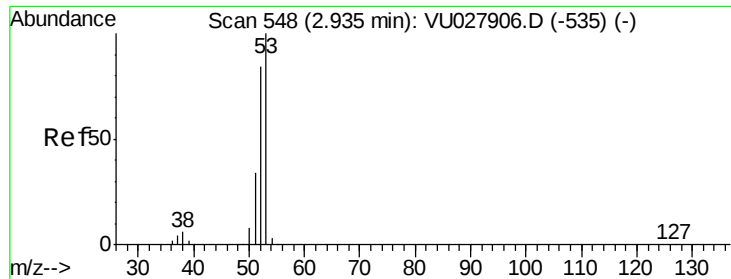
MMDadoda
11/2/2018 9:00:09 AM



#14
Allyl chloride
Concen: 19.037 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	41	39	76	Ratio	Lower	Upper
78975	100	65.8	30.3		51.9	77.9





#15

Acrylonitrile

Concen: 102.147 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

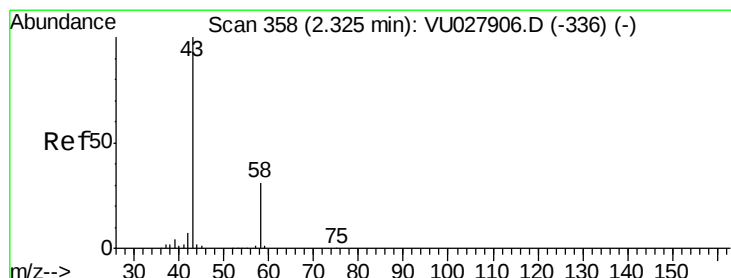
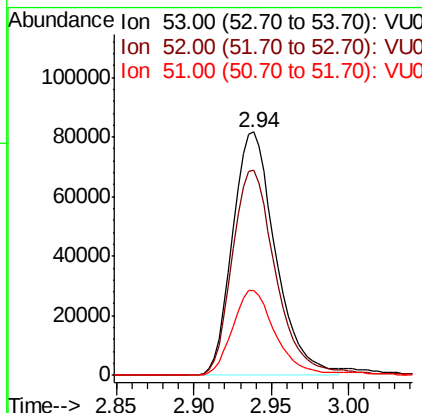
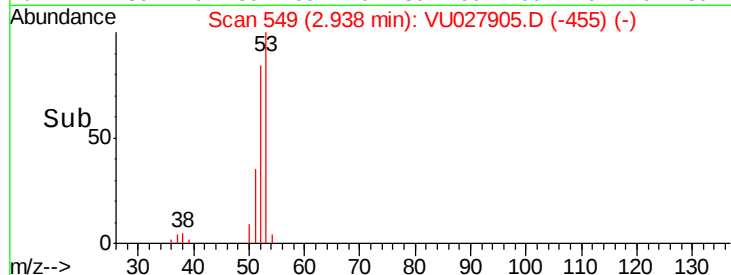
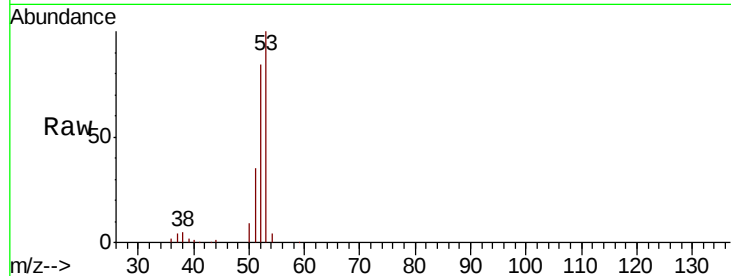
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	157589
Ion	Ratio	Lower	Upper
53	100		
52	86.2	66.2	99.2
51	34.4	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 88.815 ug/l

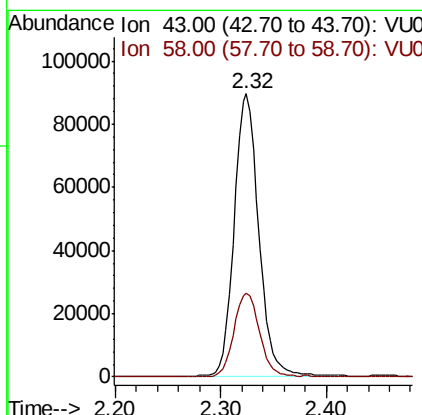
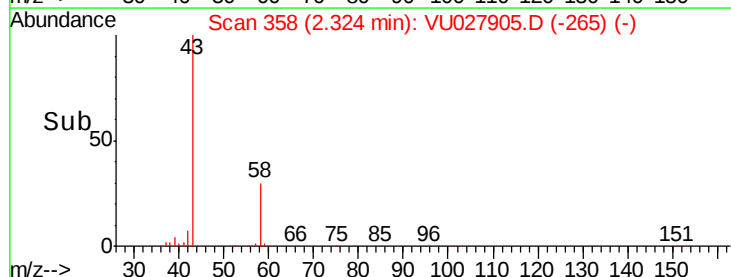
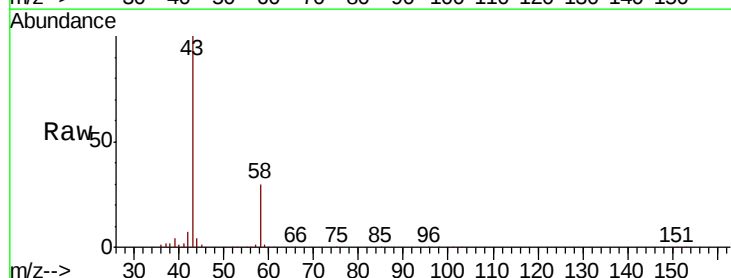
RT: 2.32 min Scan# 358

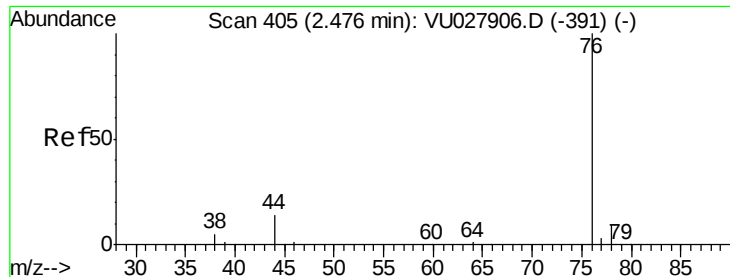
Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion:	43	Resp:	143236
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.6	37.0





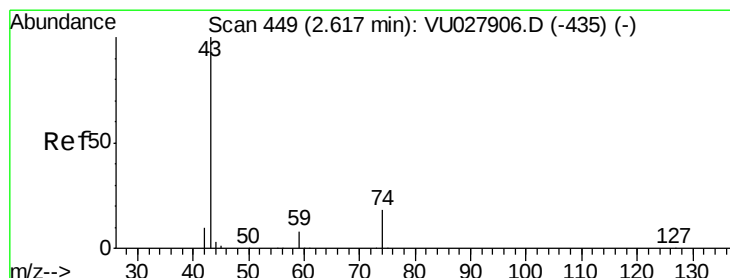
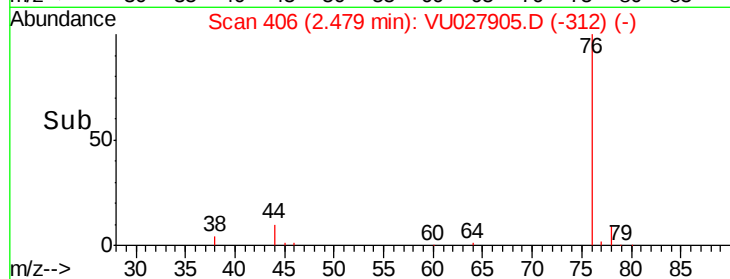
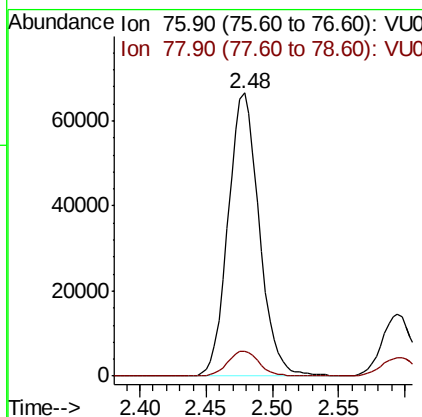
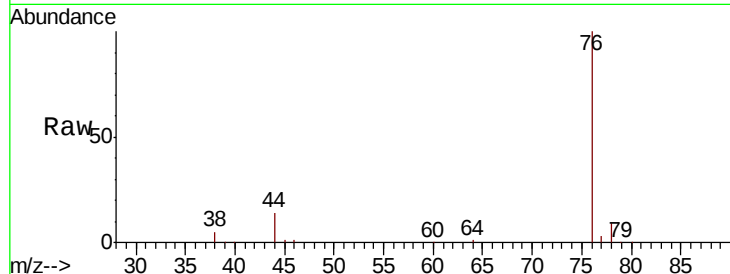
#17
Carbon Disulfide
Concen: 17.403 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

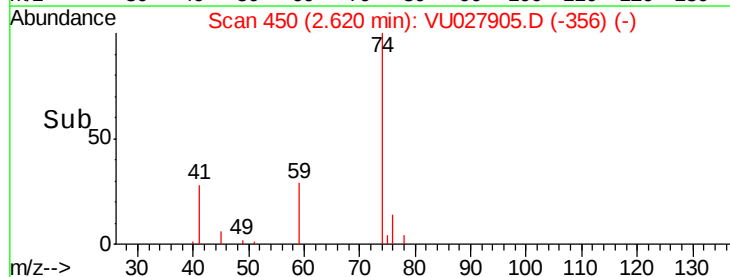
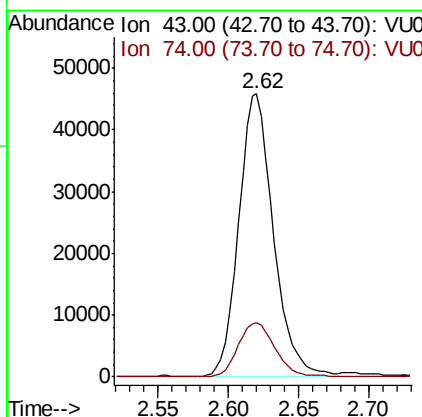
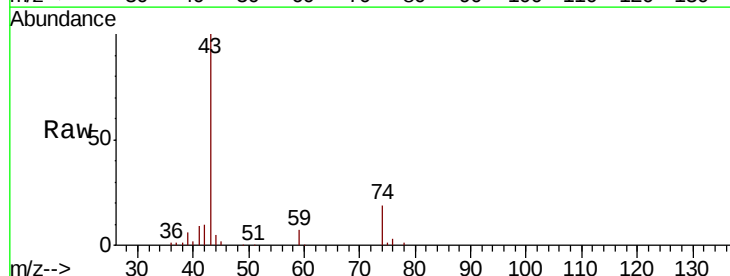
Manual Integrations
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11/2/2018 9:00:09 AM



#18
Methyl Acetate
Concen: 20.542 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	14.9	22.3





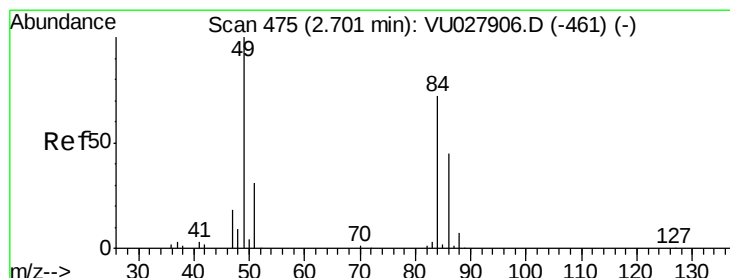
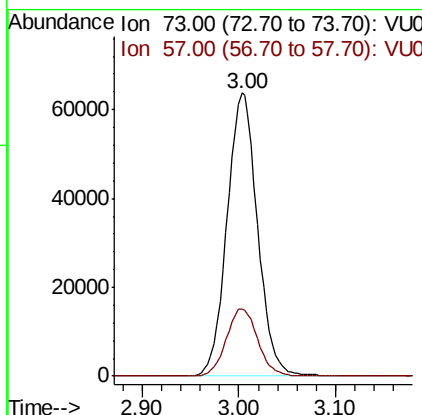
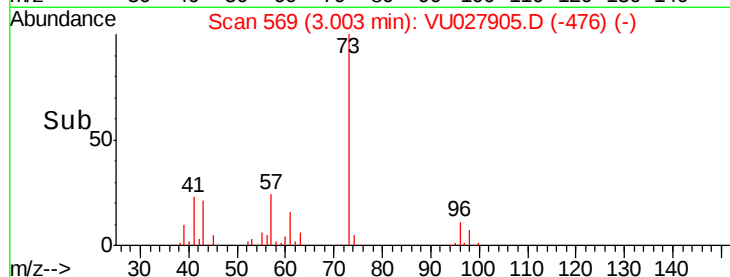
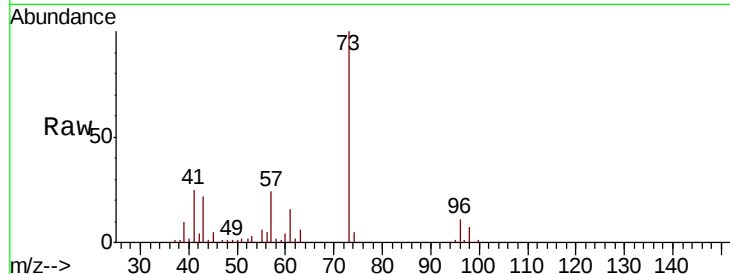
#19
Methvl tert-butvl Ether
Concen: 19.794 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.3	28.9

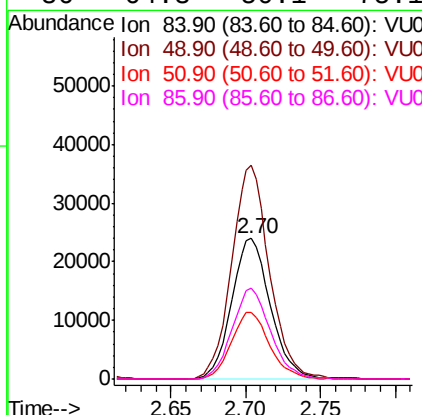
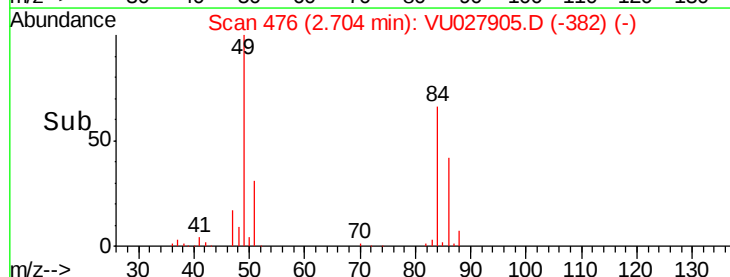
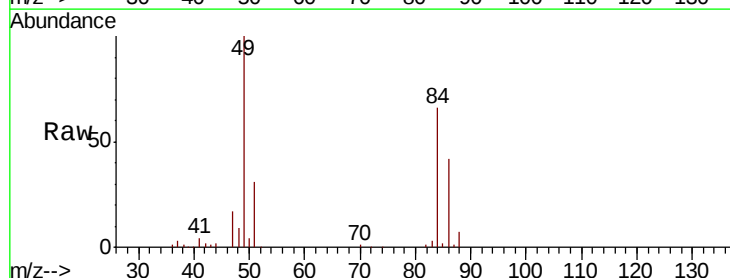
Manual Integrations
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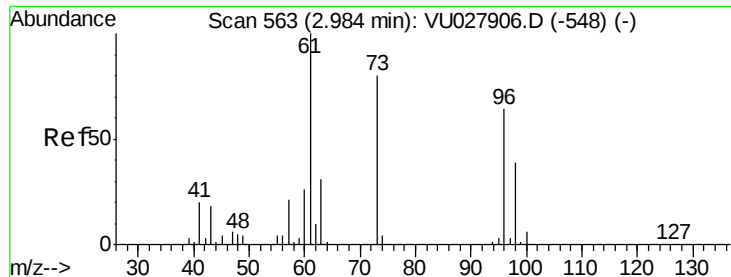
MMDadoda
11/2/2018 9:00:09 AM



#20
Methylene Chloride
Concen: 18.921 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.8	111.6	167.4
51	47.0	34.8	52.2
86	64.3	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 19.561 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 38694

Ion Ratio Lower Upper

96 100

61 159.9 125.0 187.6

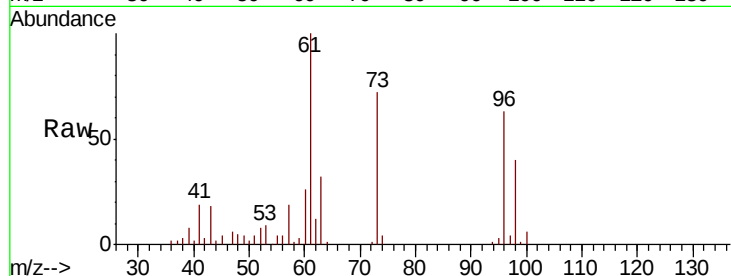
98 63.2 48.2 72.4

Manual Integrations

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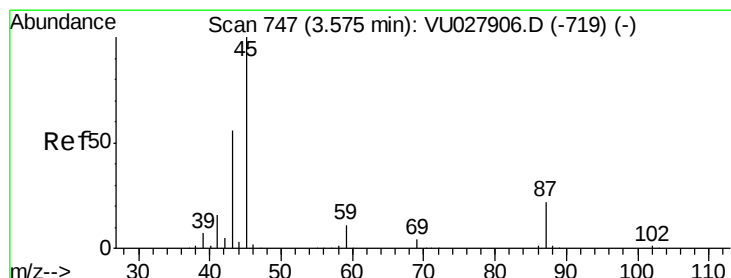
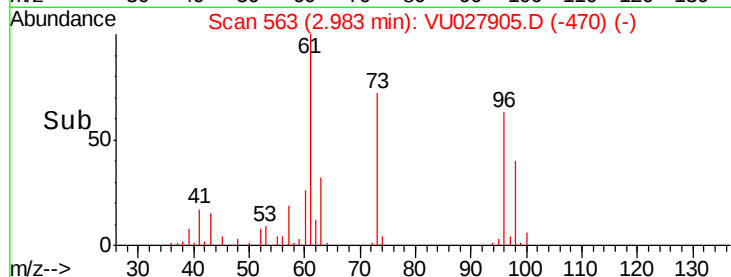
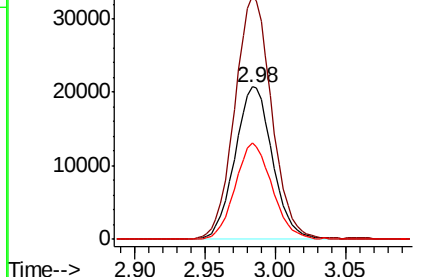
11/2/2018 9:00:09 AM



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-548) (-)



#22

Diisopropyl ether

Concen: 20.489 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion: 45 Resp: 174435

Ion Ratio Lower Upper

45 100

43 60.5 45.0 67.6

87 21.8 17.9 26.9

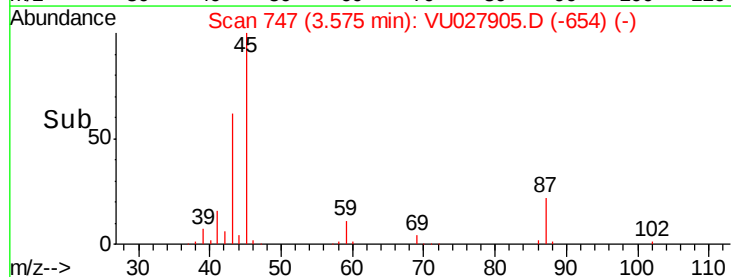
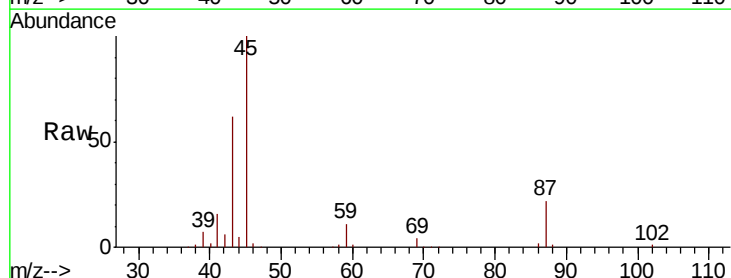
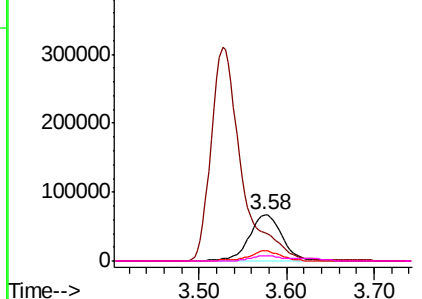
59 11.2 8.6 12.8

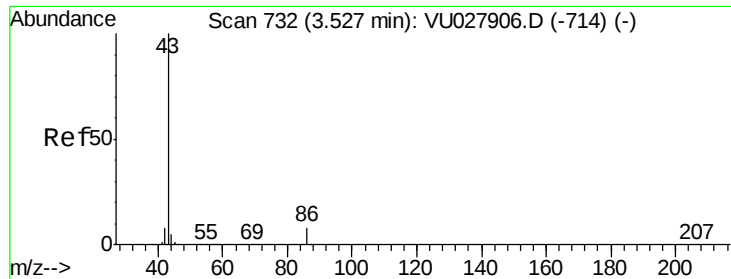
Abundance Ion 45.00 (44.70 to 45.70): VU027906.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU027906.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027906.D (-719) (-)





#23

Vinyl Acetate

Concen: 101.588 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 754881

Ion Ratio Lower Upper

43 100

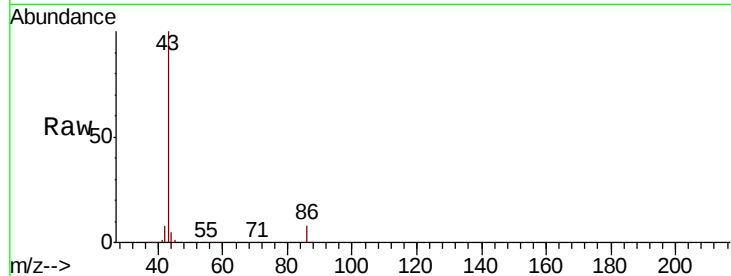
86 8.2 6.6 9.8

Manual Integrations

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11/2/2018 9:00:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027905.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027905.D (-639) (-)

3.53

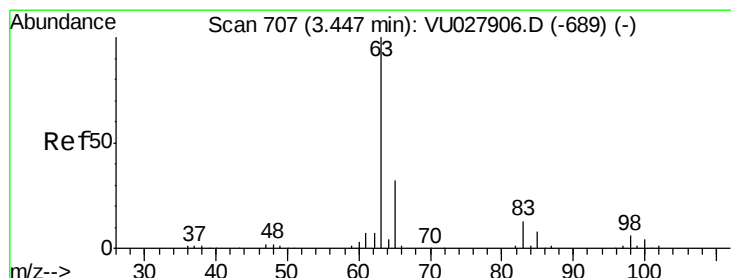
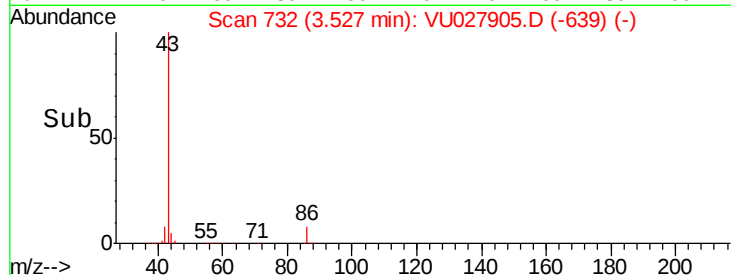
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.795 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

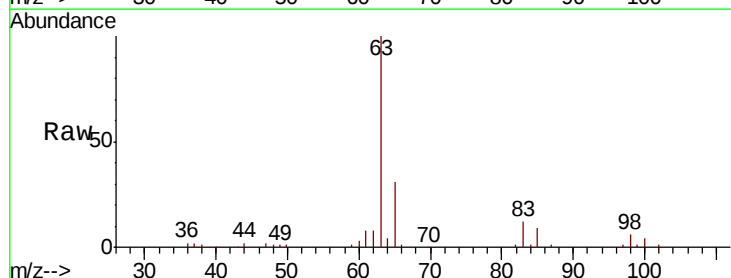
Tgt Ion: 63 Resp: 85964

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027905.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027905.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027905.D (-614) (-)

3.45

50000

40000

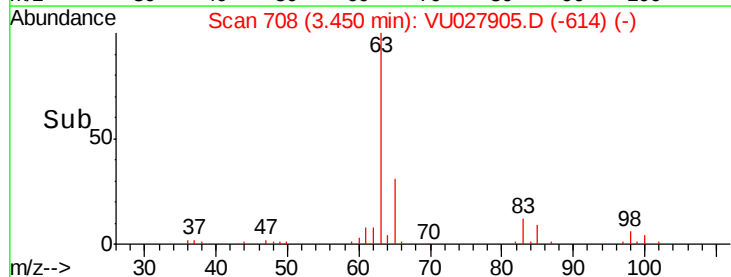
30000

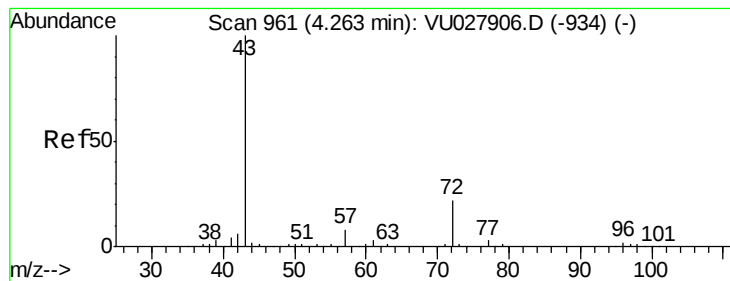
20000

10000

0

Time-->





#25

2-Butanone

Concen: 105.601 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 239867

Ion Ratio Lower Upper

43 100

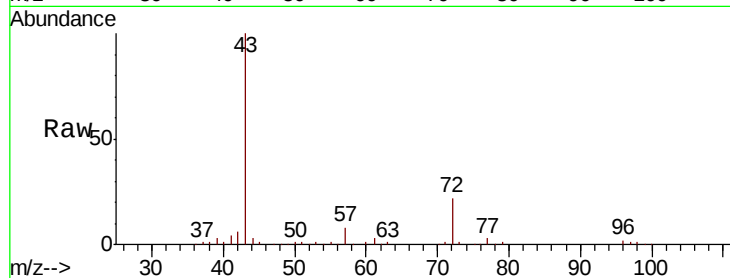
72 21.6 17.7 26.5

Manual Integrations

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11/2/2018 9:00:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-934) (-)

Ion 72.00 (71.70 to 72.70): VU027906.D (-934) (-)

4.27

100000

80000

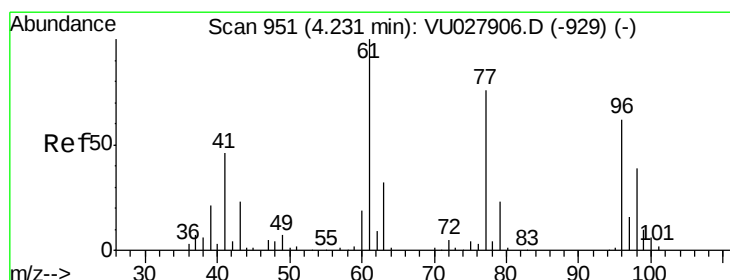
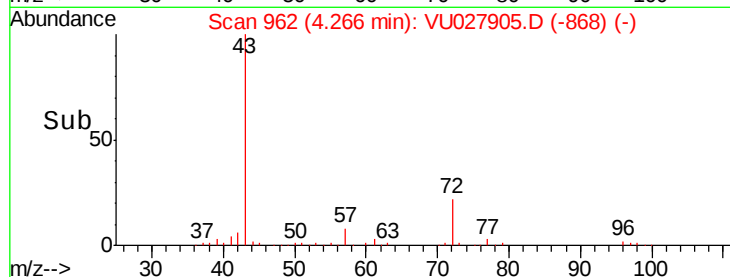
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 17.577 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027905.D

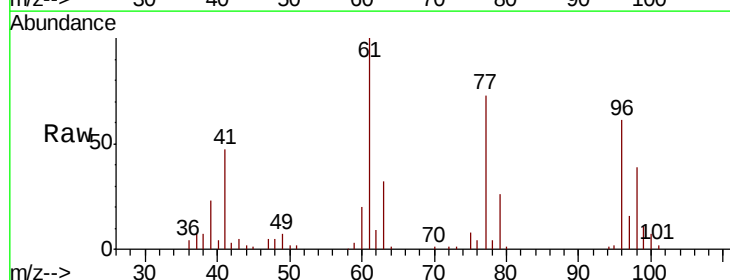
Acq: 01 Nov 2018 19:12

Tgt Ion: 77 Resp: 61792

Ion Ratio Lower Upper

77 100

97 21.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU027906.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU027906.D (-929) (-)

4.23

25000

20000

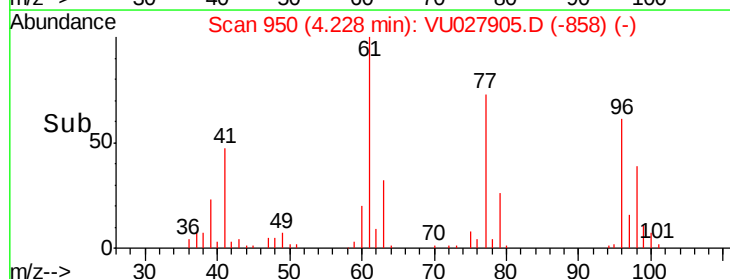
15000

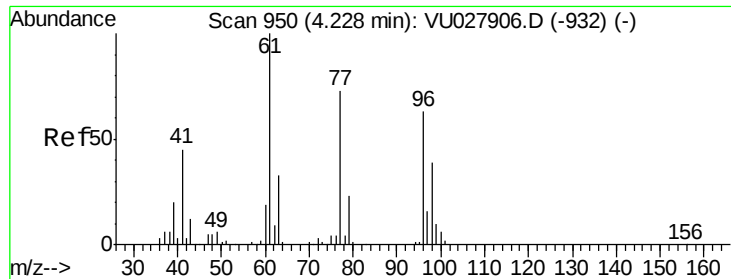
10000

5000

0

Time-->





#27

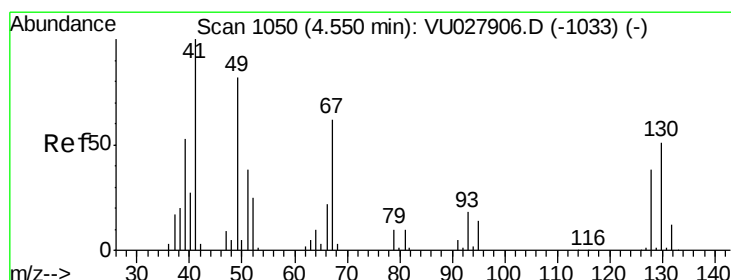
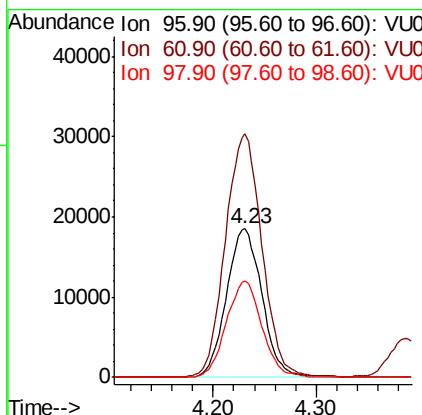
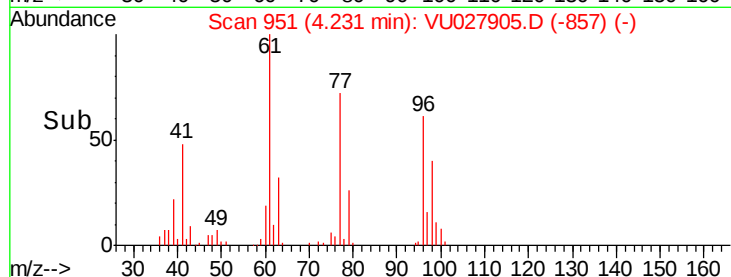
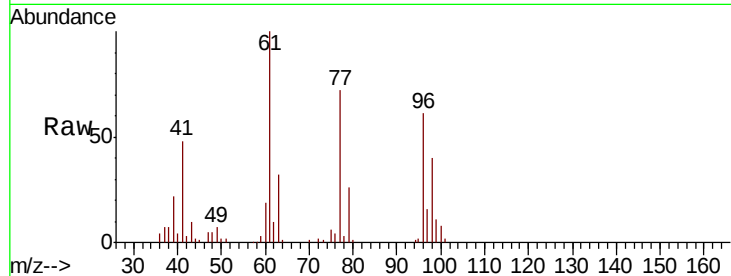
cis-1,2-Dichloroethene
Concen: 19.603 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.1	0.0	329.6
98	64.7	0.0	127.2

Manual Integrations
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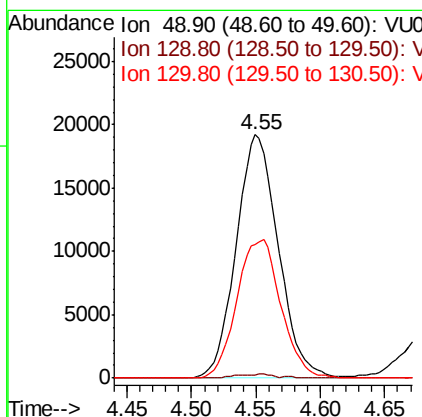
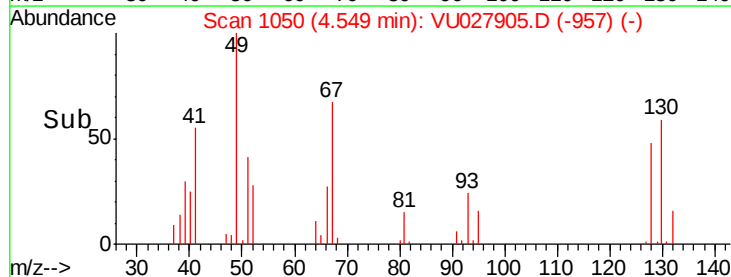
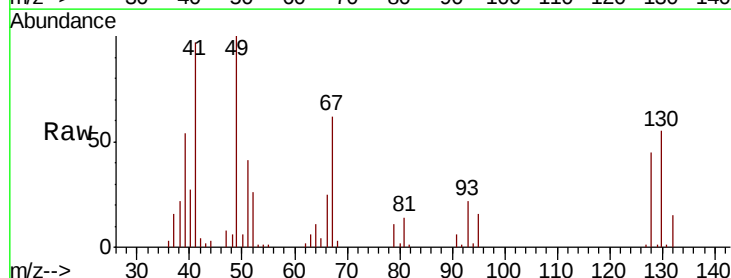
MMDadoda
11/2/2018 9:00:09 AM

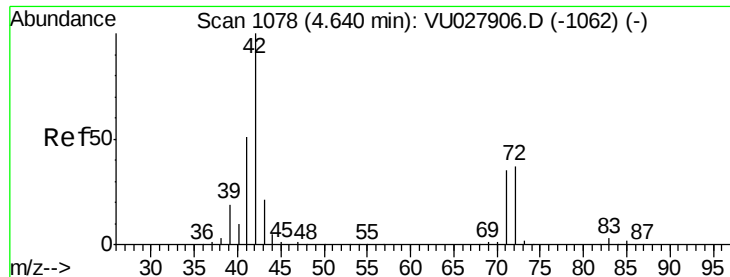


#28

Bromochloromethane
Concen: 21.184 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	59.2	47.8	71.6





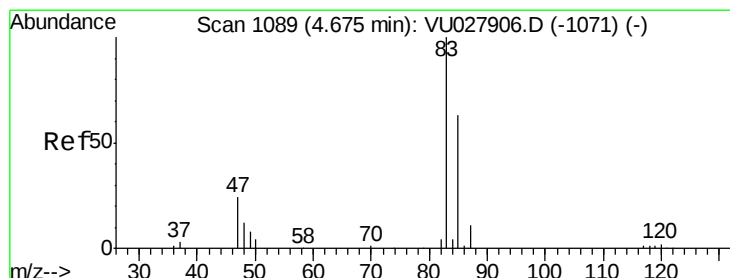
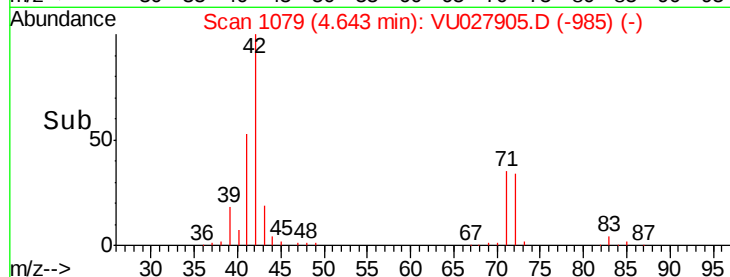
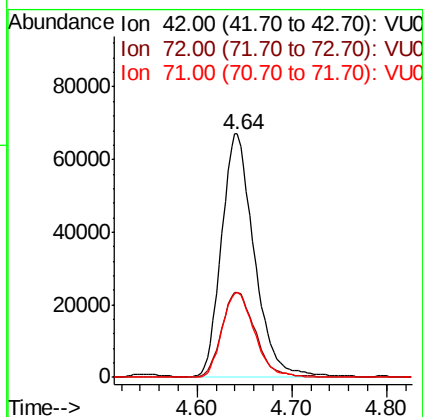
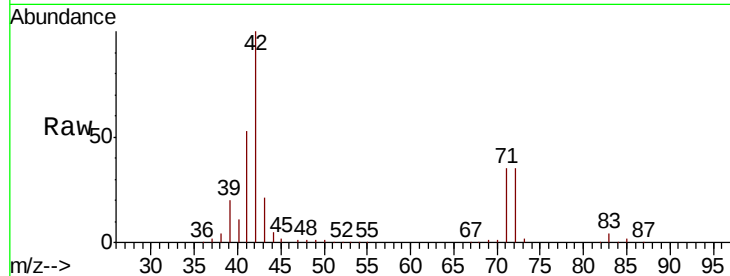
#29
Tetrahydrofuran
Concen: 110.984 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	29.4	44.0
71	34.6	27.9	41.9

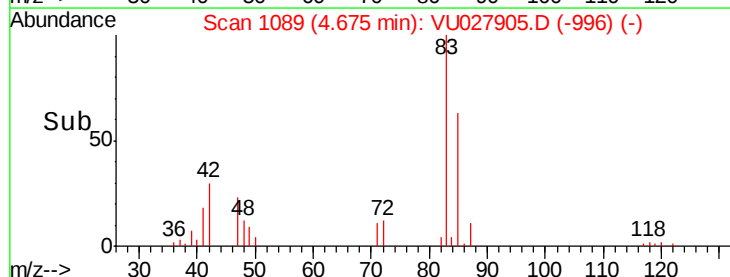
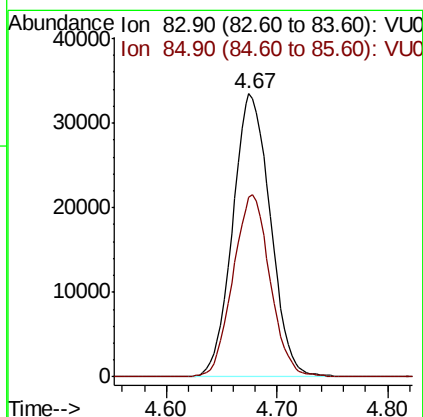
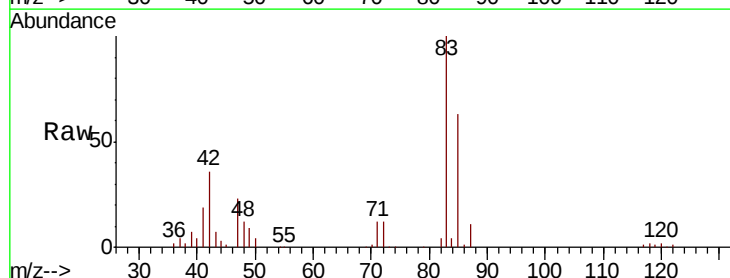
Manual Integrations
APPROVED

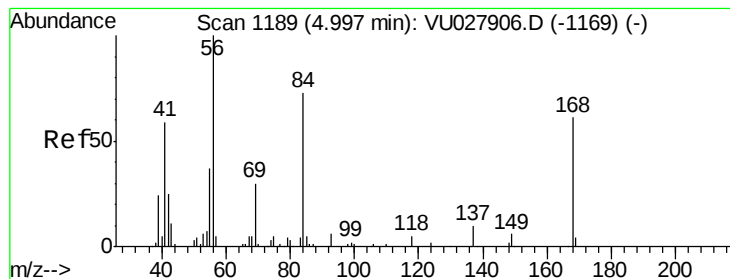
MMDadoda
11/2/2018 9:00:09 AM



#30
Chloroform
Concen: 20.434 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	76.0





#31

Cyclohexane

Concen: 17.232 ug/l

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

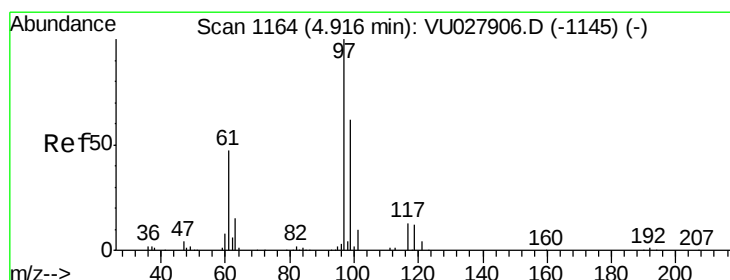
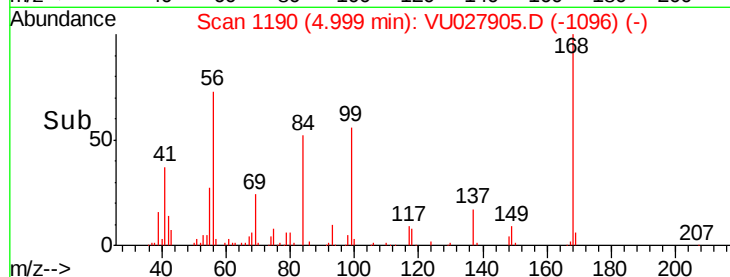
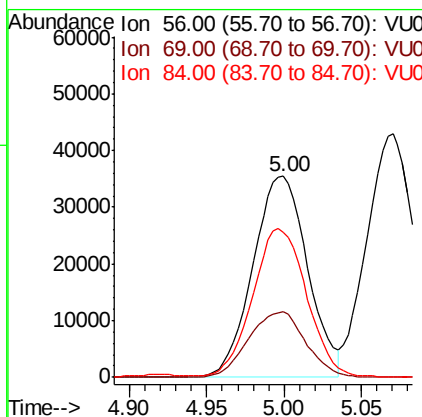
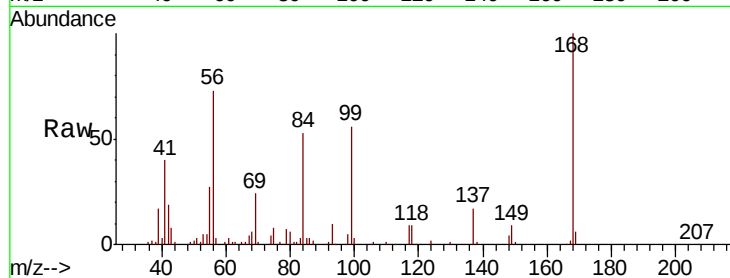
ClientSampleID :

VSTDIC020

Tot Ion:	56	Resp:	87309
Ion Ratio	Lower	Upper	
56	100		
69	32.7	23.7	35.5
84	71.4	58.2	87.4

Manual Integrations
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11/2/2018 9:00:09 AM



#32

1,1,1-Trichloroethane

Concen: 19.802 ug/l

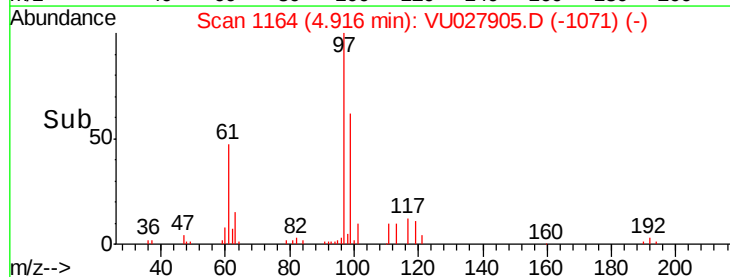
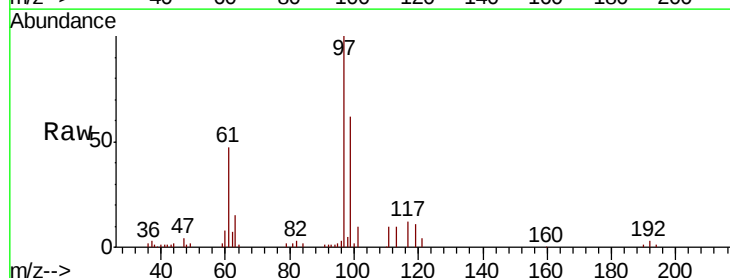
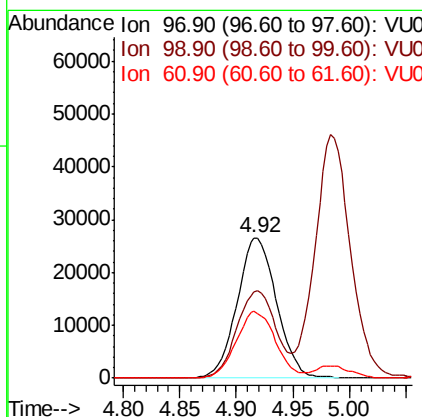
RT: 4.92 min Scan# 1164

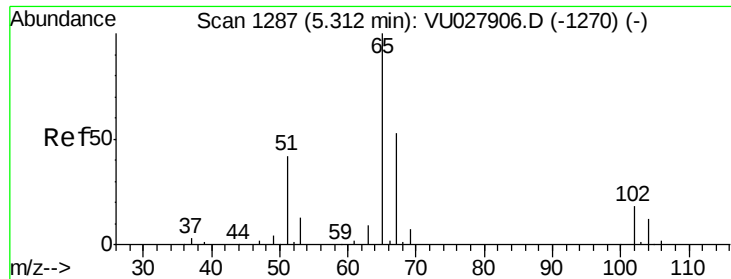
Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion:	97	Resp:	64376
Ion Ratio	Lower	Upper	
97	100		
99	61.9	50.5	75.7
61	47.1	38.3	57.5





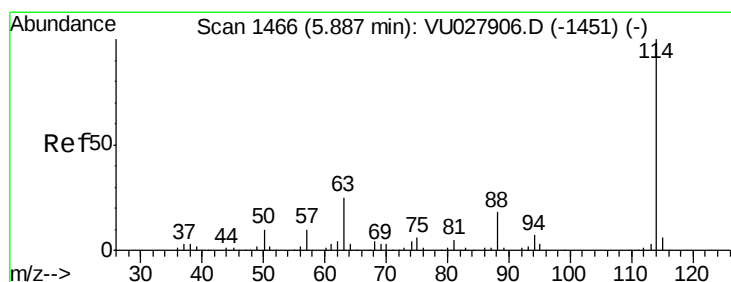
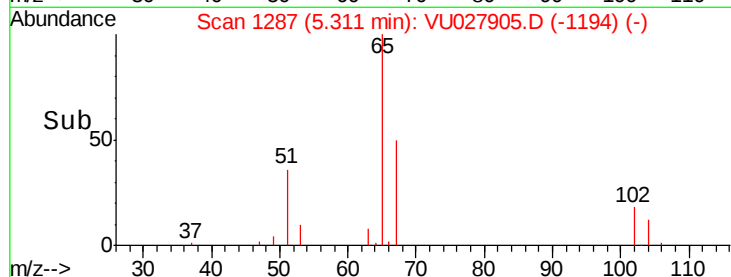
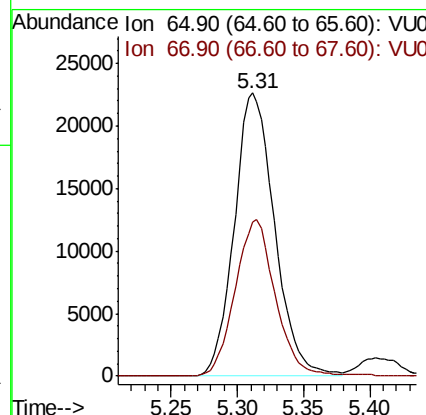
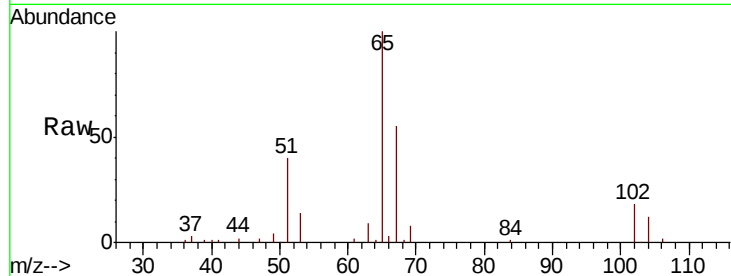
#33
 1,2-Dichloroethane-d4
 Concen: 17.450 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	109.0

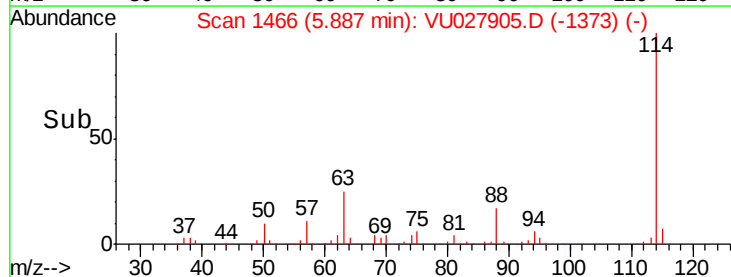
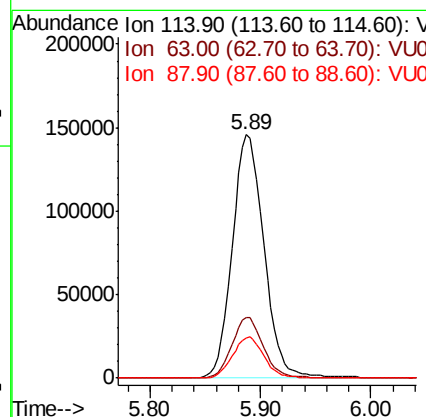
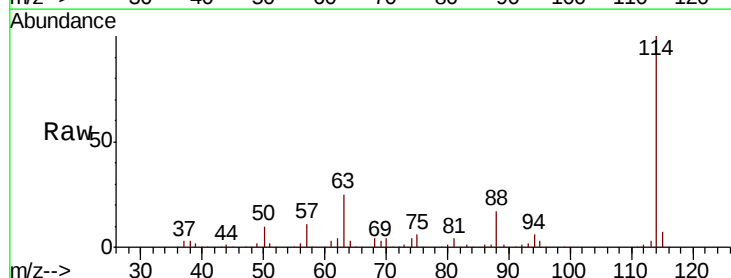
Manual Integrations
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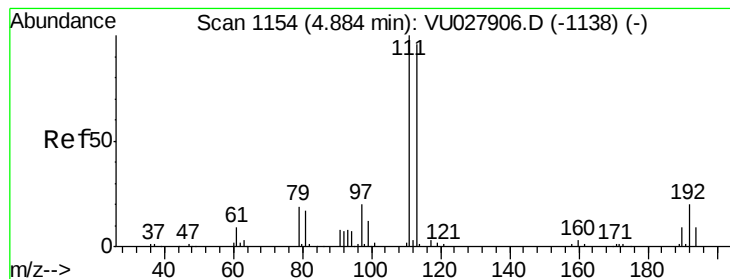
MMDadoda
 11/2/2018 9:00:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	50.8
88	16.6	0.0	35.8





#35

Dibromofluoromethane

Concen: 17.655 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:113 Resp: 34852

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

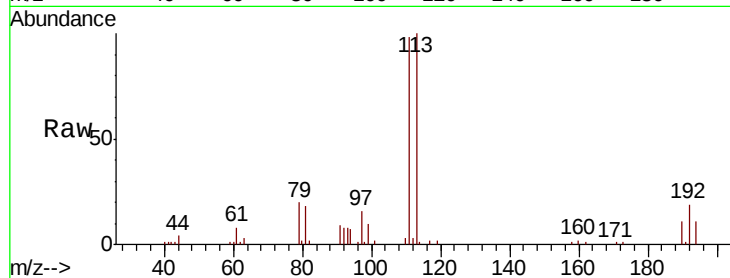
192 18.8 15.6 23.4

Manual Integrations

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MMDadoda

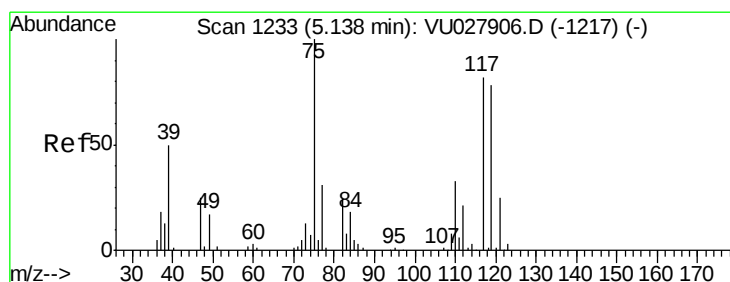
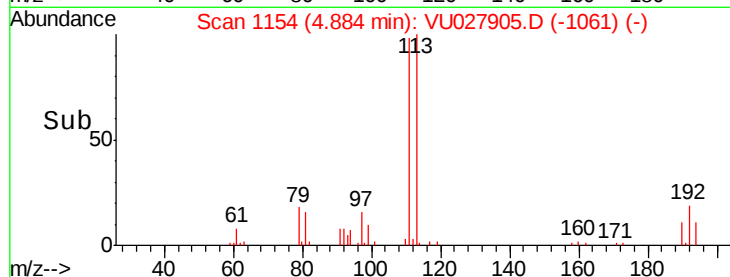
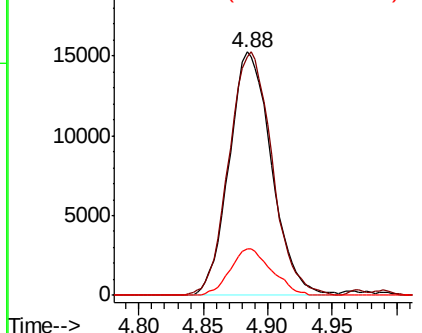
11/2/2018 9:00:09 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.460 ug/l

RT: 5.14 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

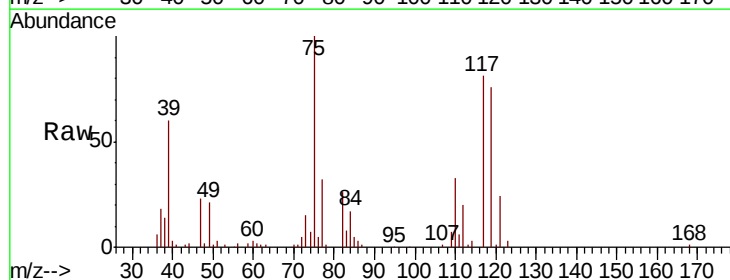
Tgt Ion: 75 Resp: 57834

Ion Ratio Lower Upper

75 100

110 32.2 16.5 49.5

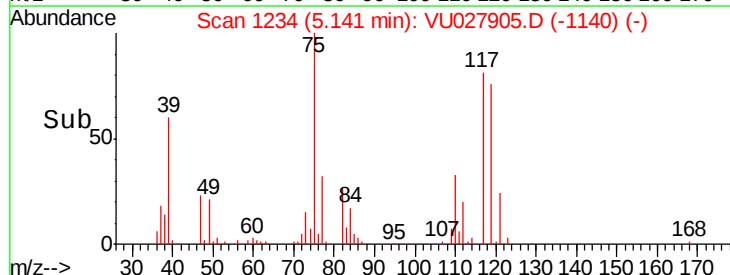
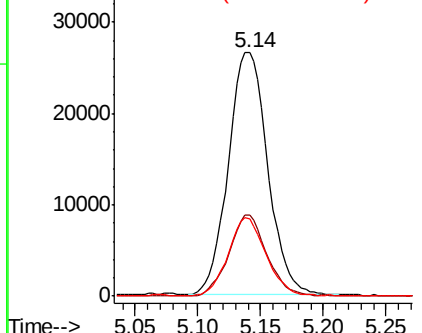
77 31.3 24.9 37.3

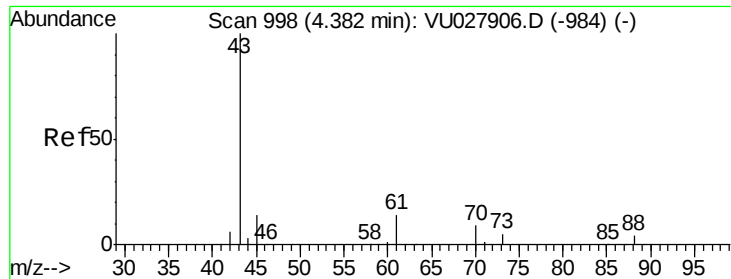


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





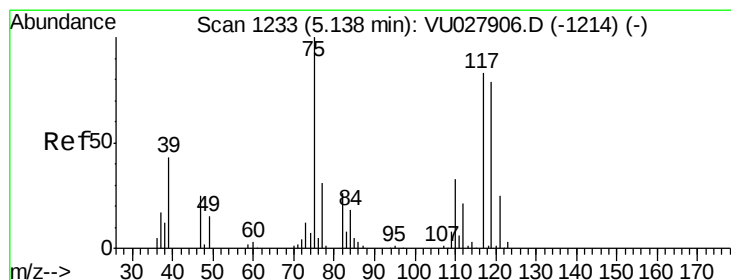
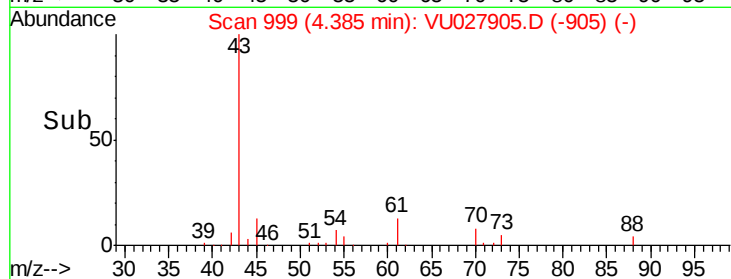
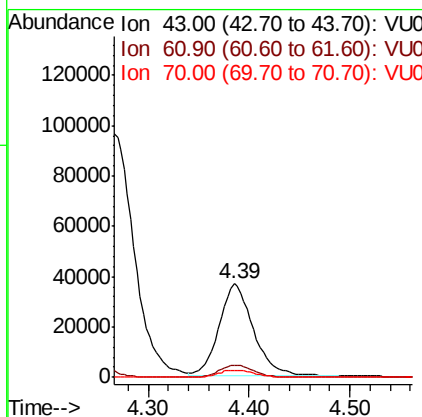
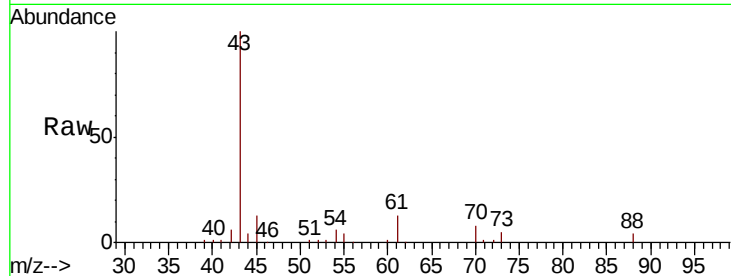
#37
Ethyl Acetate
Concen: 21.148 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.3	15.5
70	8.3	7.0	10.6

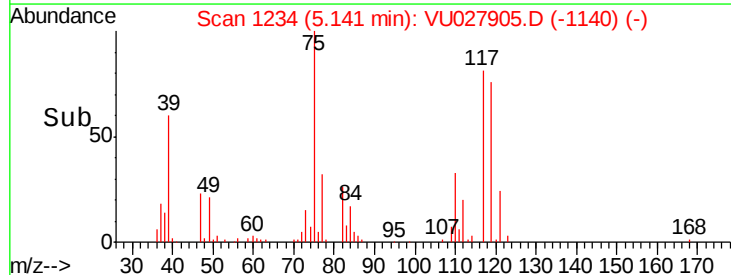
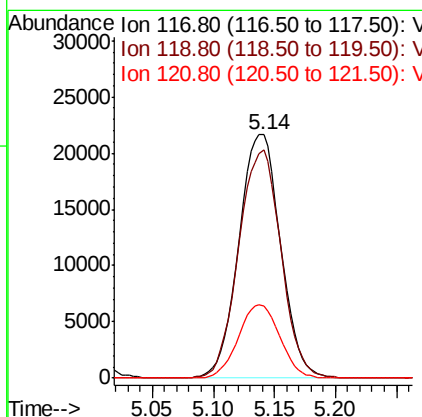
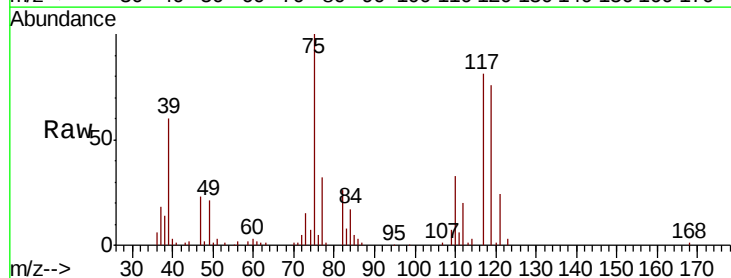
Manual Integrations
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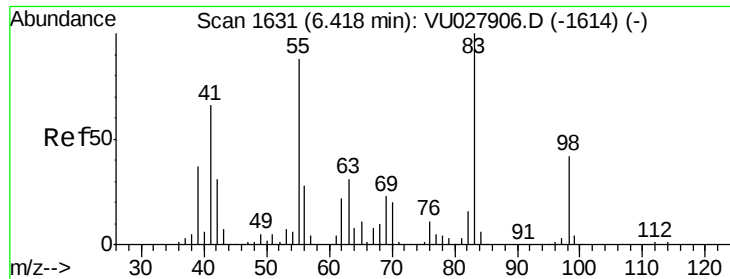
MMDadoda
11/2/2018 9:00:09 AM



#38
Carbon Tetrachloride
Concen: 18.123 ug/l
RT: 5.14 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.0	114.0
121	29.8	24.5	36.7





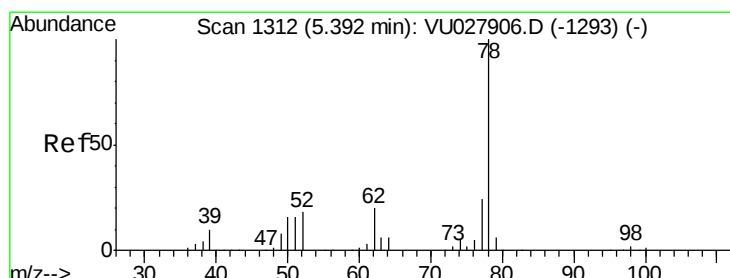
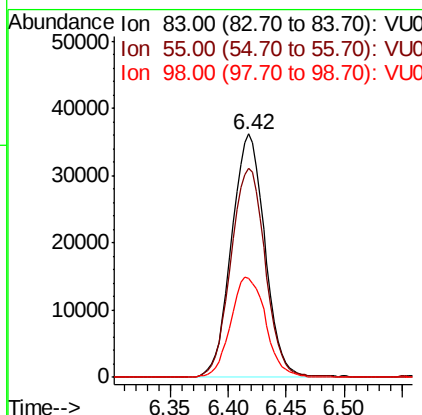
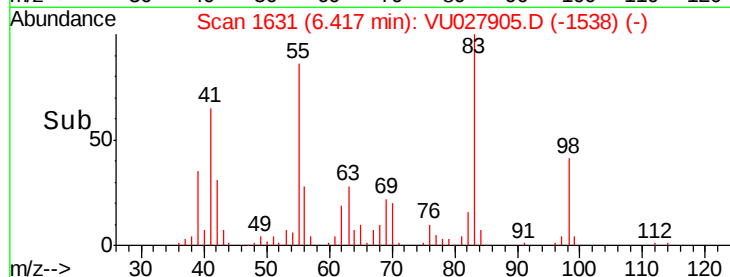
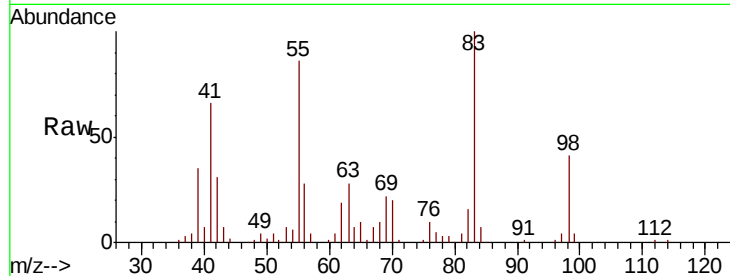
#39
Methylvlcyclohexane
Concen: 19.646 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	70.3	105.5
98	40.8	34.0	51.0

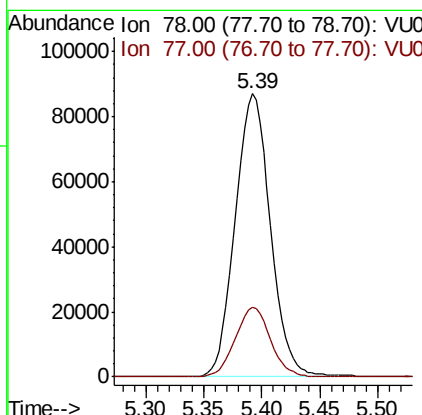
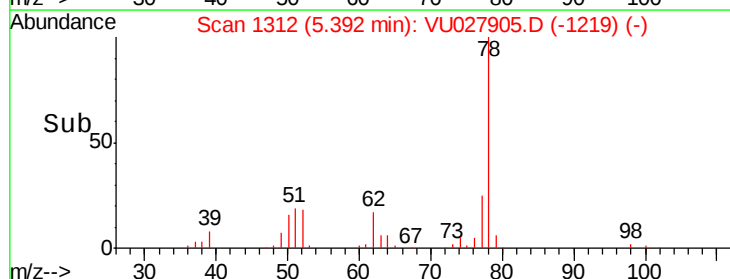
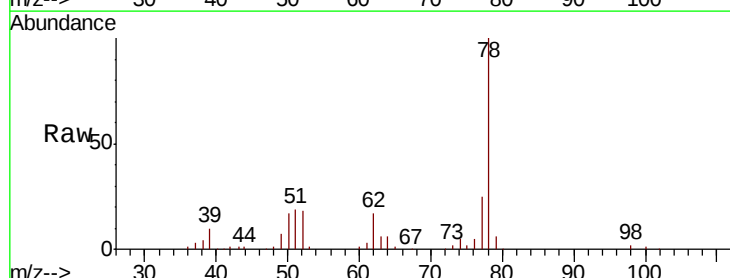
Manual Integrations
APPROVED

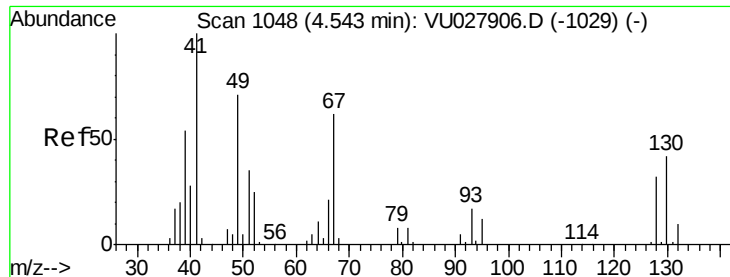
MMDadoda
11/2/2018 9:00:09 AM



#40
Benzene
Concen: 19.827 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9





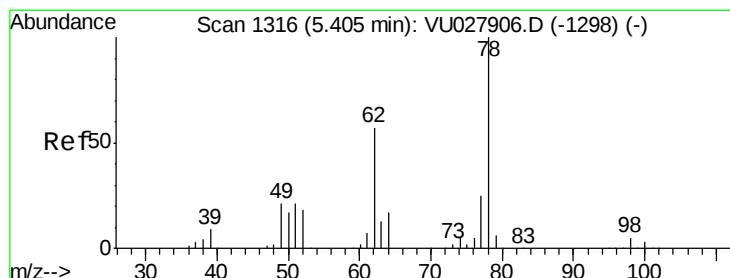
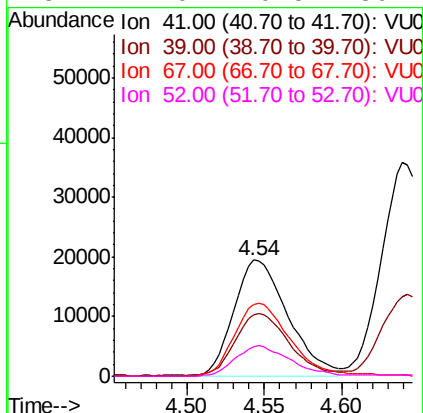
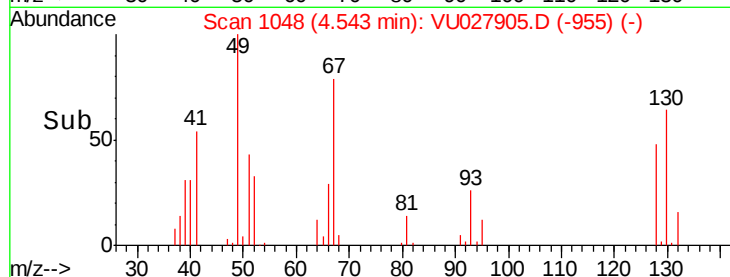
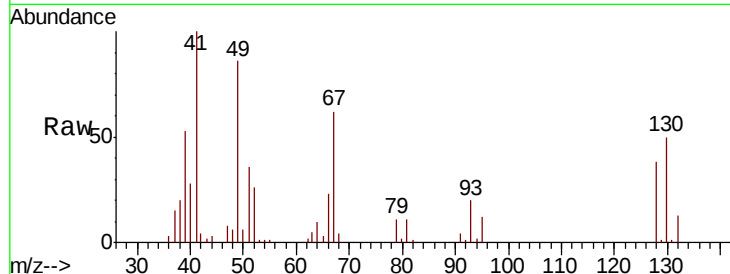
#41
Methacrylonitrile
Concen: 19.968 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
46751	41	100		
	39	55.1	42.2	63.4
	67	65.1	49.5	74.3
	52	27.0	20.5	30.7

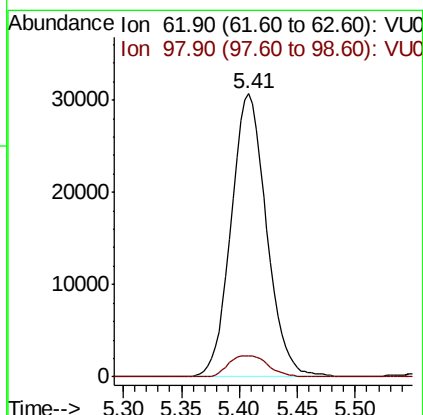
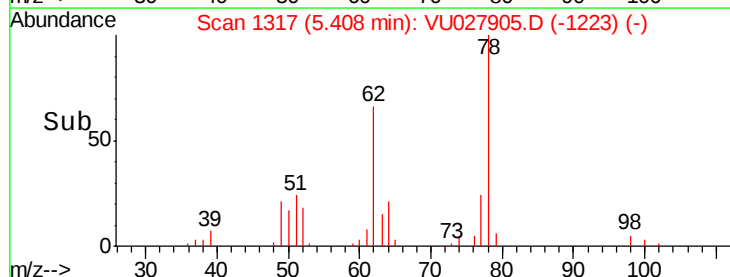
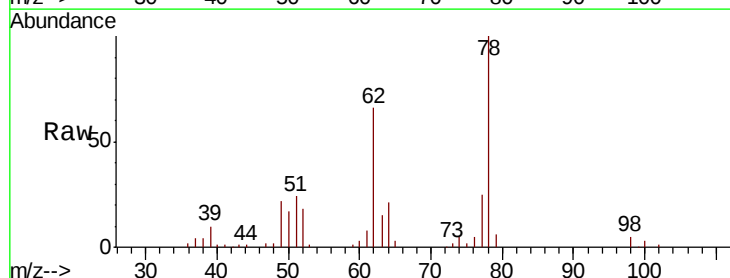
Manual Integrations
APPROVED

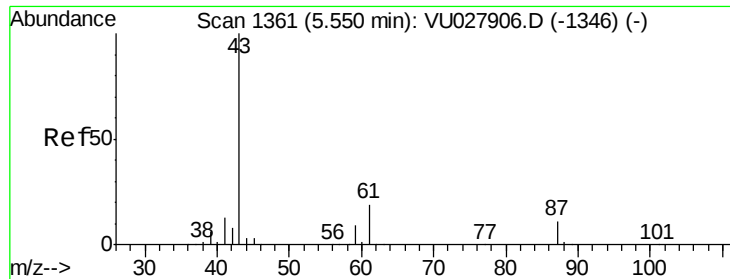
MMDadoda
11/2/2018 9:00:09 AM



#42
1,2-Dichloroethane
Concen: 19.138 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ion	Ratio	Lower	Upper
64943	62	100		
	98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 21.209 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

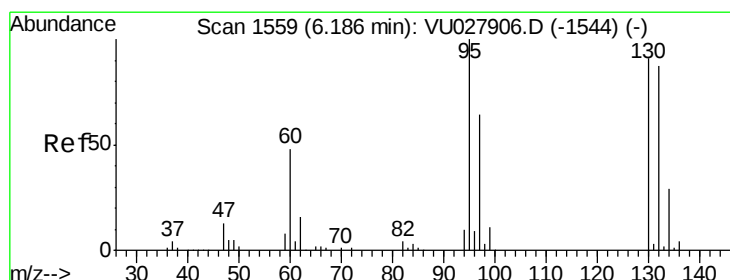
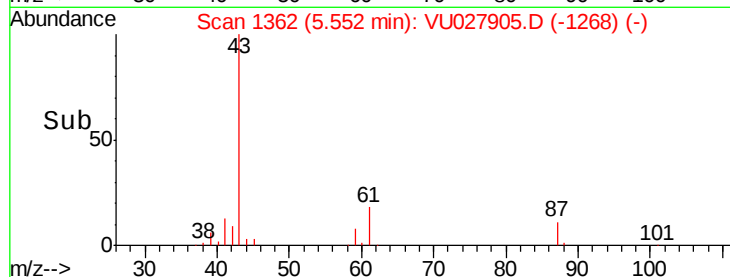
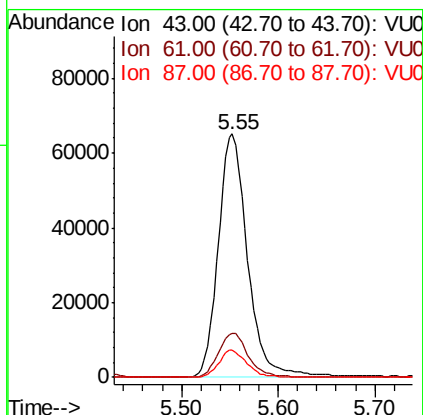
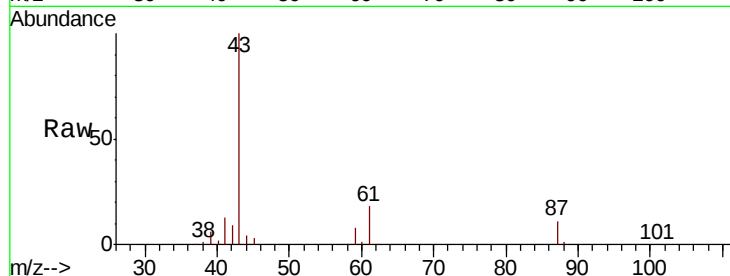
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	136377
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.0	22.4
87	10.6	8.6	12.8

Manual Integrations
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11/2/2018 9:00:09 AM



#44

Trichloroethene

Concen: 18.835 ug/l

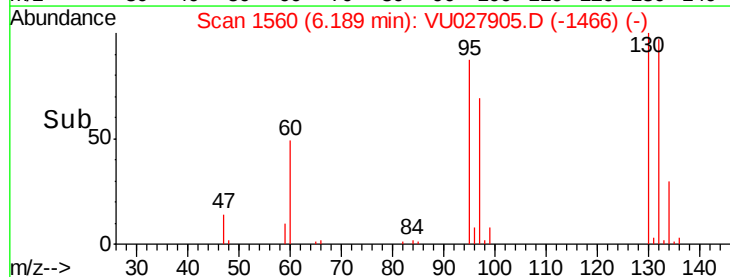
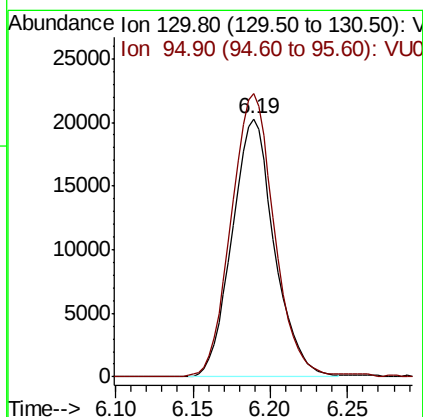
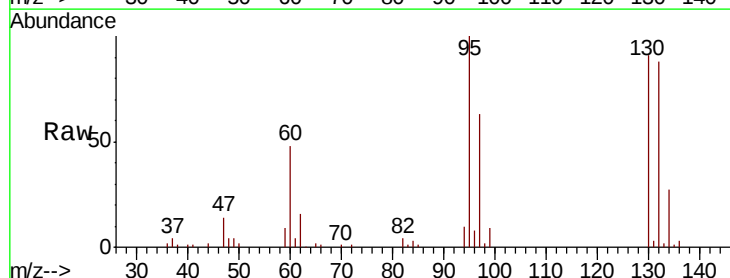
RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion:	130	Resp:	38521
Ion	Ratio	Lower	Upper
130	100		
95	109.3	0.0	219.2





#45

1,2-Dichloropropane

Concen: 19.737 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 52454

Ion Ratio Lower Upper

63 100

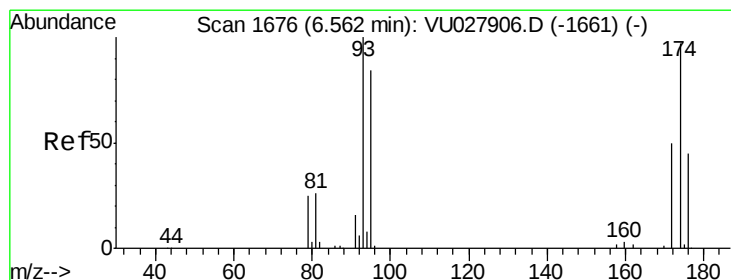
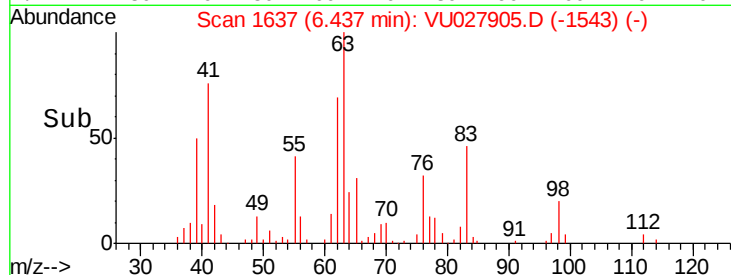
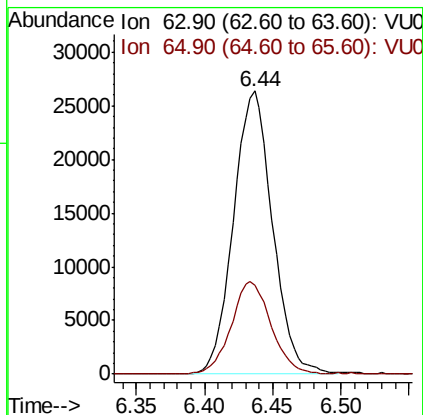
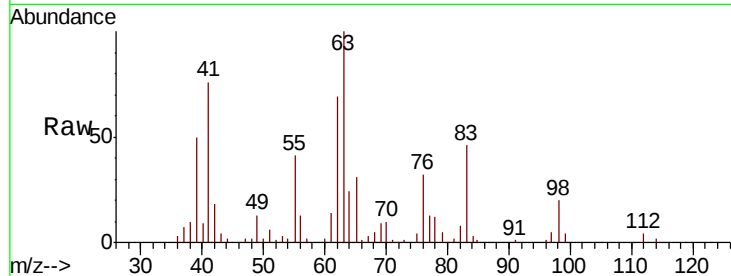
65 31.4 24.4 36.6

Manual Integrations

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MMDadoda

11/2/2018 9:00:09 AM



#46

Dibromomethane

Concen: 20.005 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

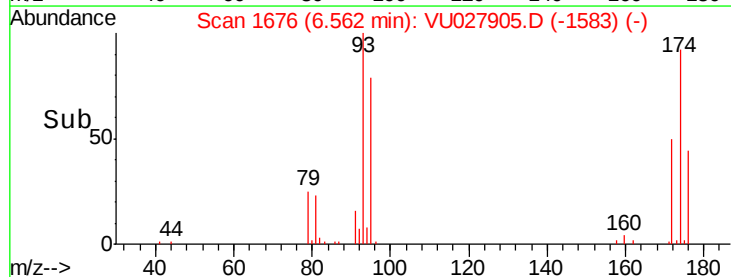
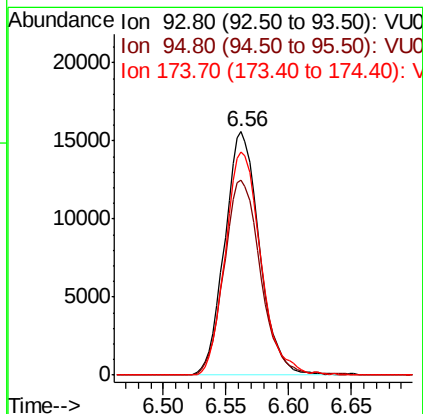
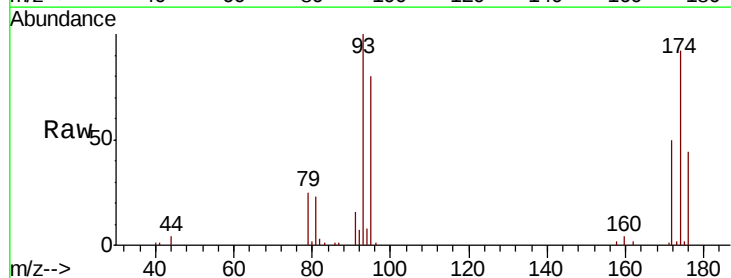
Tgt Ion: 93 Resp: 30043

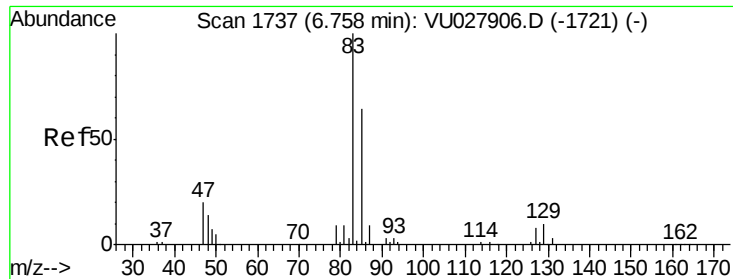
Ion Ratio Lower Upper

93 100

95 83.9 68.5 102.7

174 93.0 76.1 114.1





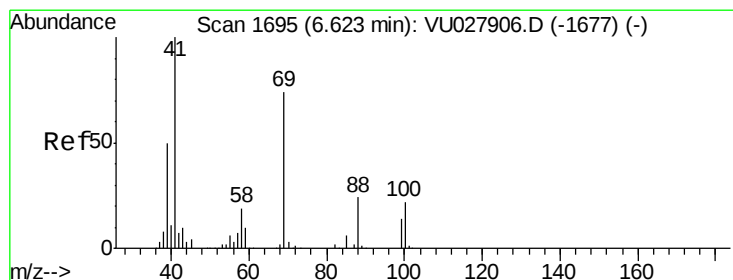
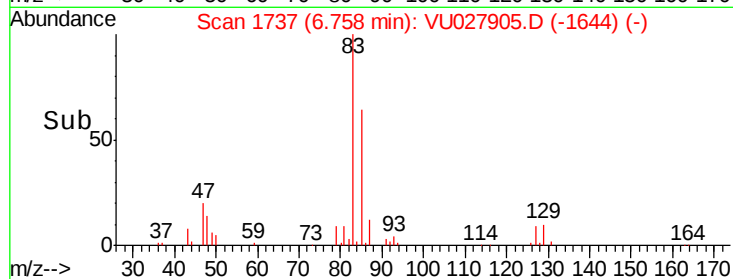
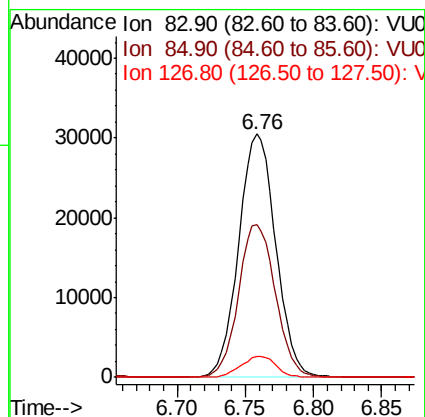
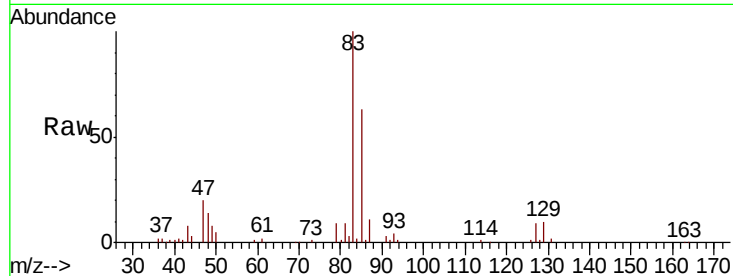
#47
Bromodichloromethane
Concen: 18.619 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	57558
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	51.0	76.6
127	8.7	6.2	9.4

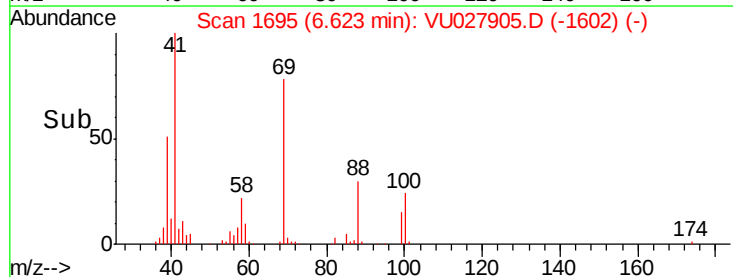
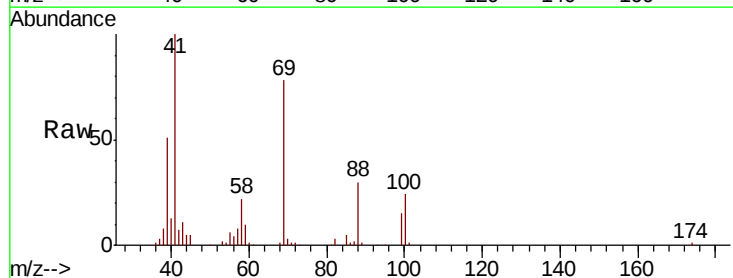
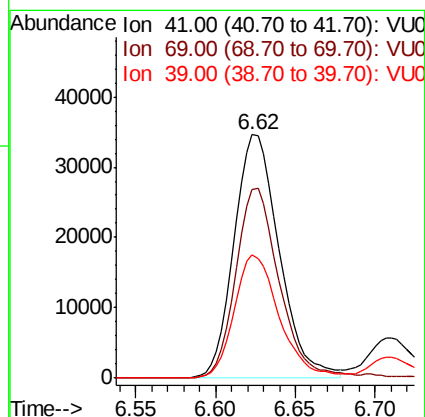
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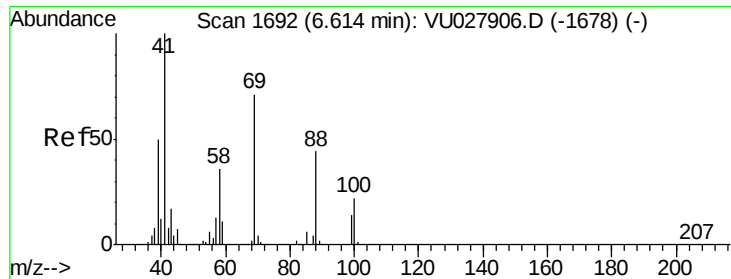
MMDadoda
11/2/2018 9:00:09 AM



#48
Methyl methacrylate
Concen: 20.890 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	41	Resp	66860
Ion Ratio	100	Lower	Upper
41	100		
69	74.9	59.8	89.8
39	50.6	40.0	60.0





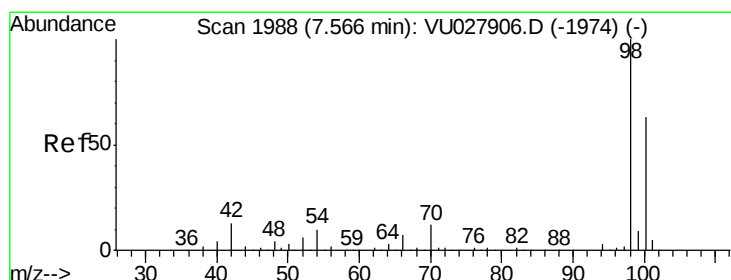
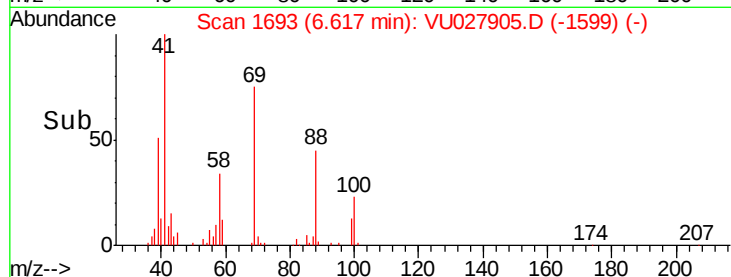
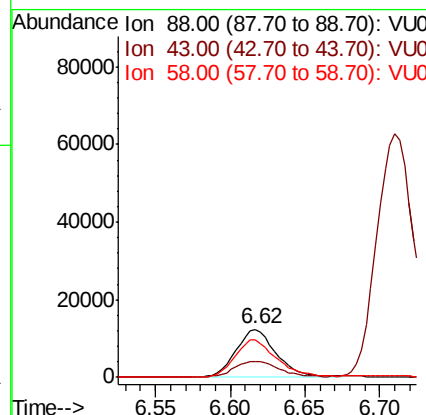
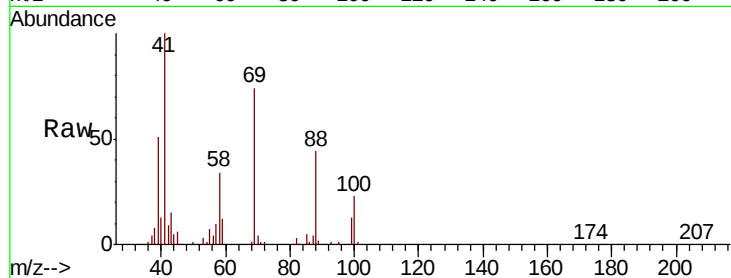
#49
1,4-Dioxane
Concen: 432.850 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.5	45.7
58	80.1	67.1	100.7

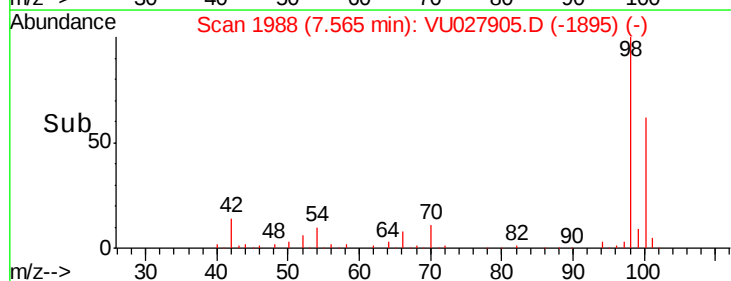
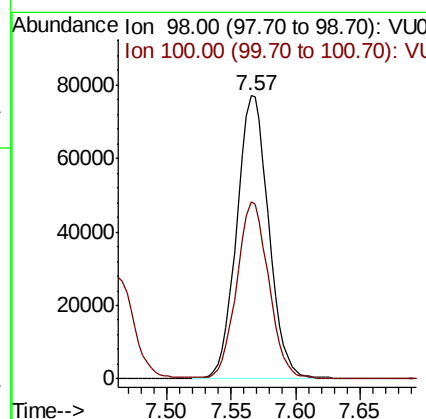
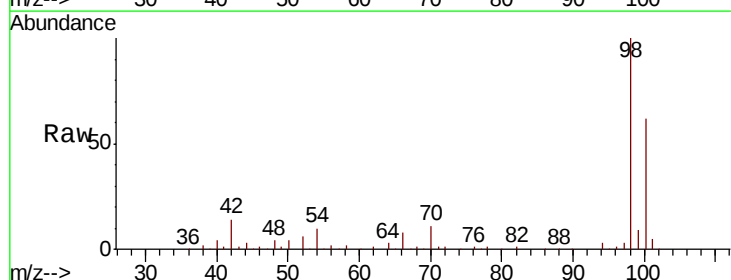
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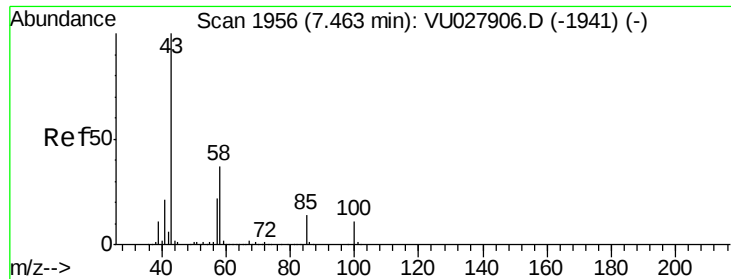
MMDadoda
11/2/2018 9:00:09 AM



#50
Toluene-d8
Concen: 18.097 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.9	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 107.360 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 451331

Ion Ratio Lower Upper

43 100

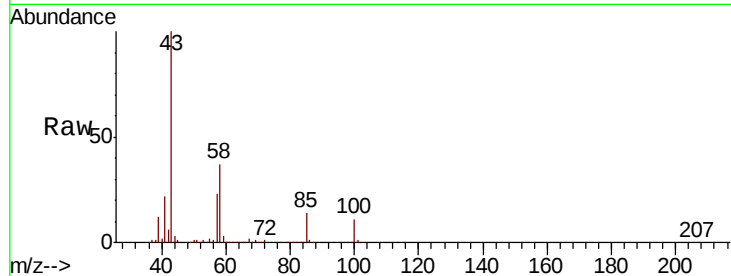
58 36.7 29.5 44.3

Manual Integrations

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MMDadoda

11/2/2018 9:00:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

250000

200000

150000

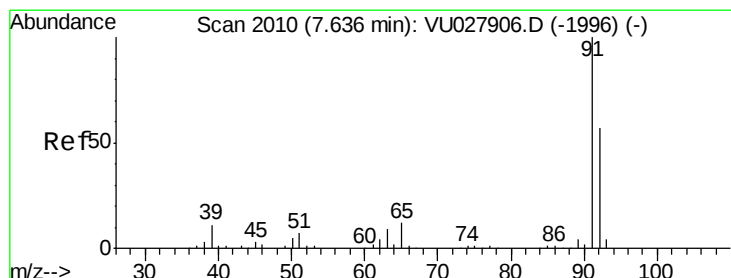
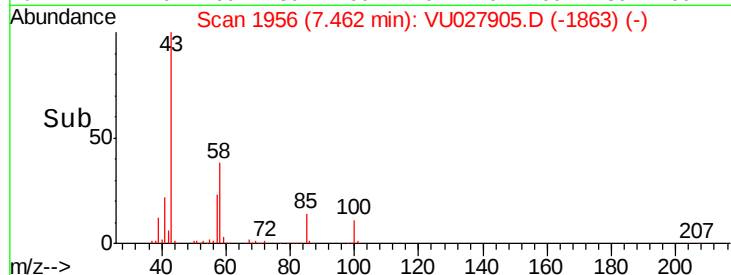
100000

50000

0

7.40 7.50 7.60

Time-->



#52

Toluene

Concen: 19.471 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027905.D

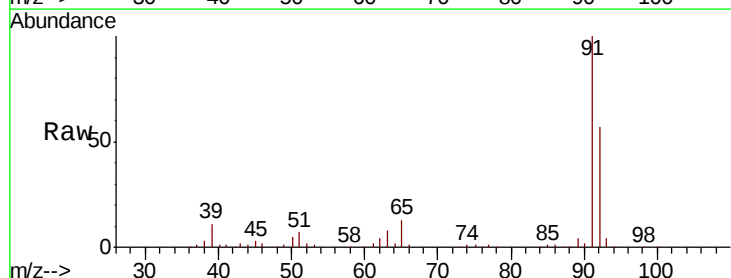
Acq: 01 Nov 2018 19:12

Tgt Ion: 92 Resp: 106035

Ion Ratio Lower Upper

92 100

91 176.7 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

120000

100000

80000

60000

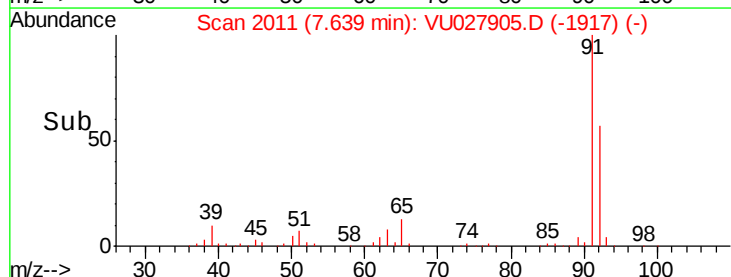
40000

20000

0

7.55 7.60 7.65 7.70

Time-->





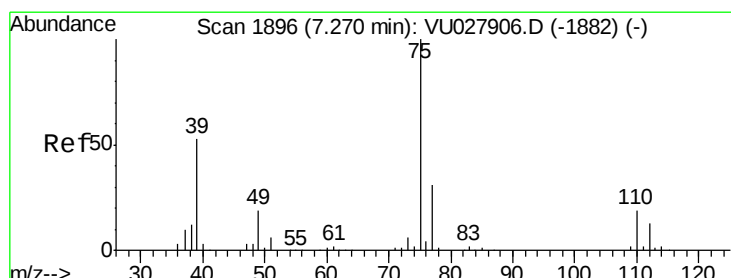
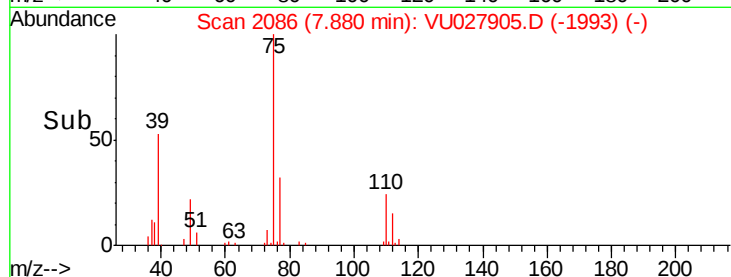
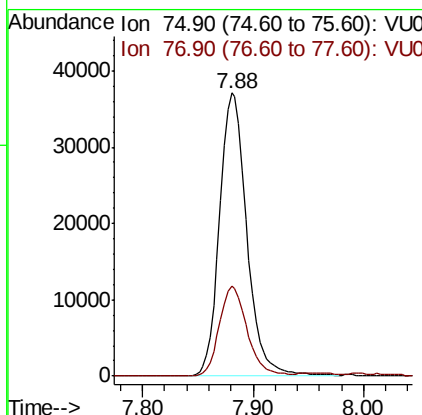
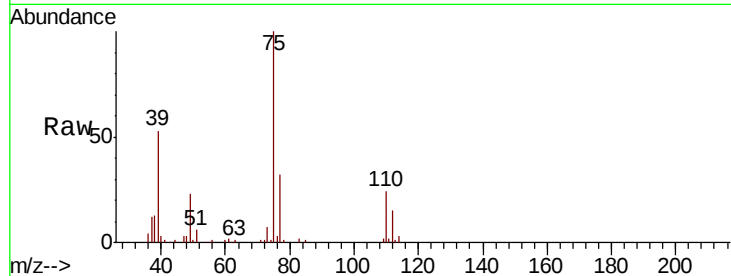
#53
t-1,3-Dichloropropene
Concen: 17.614 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 63734
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7

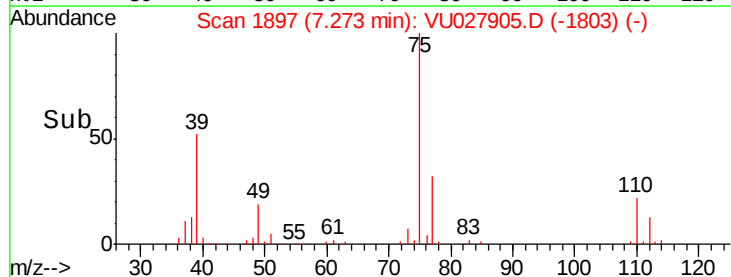
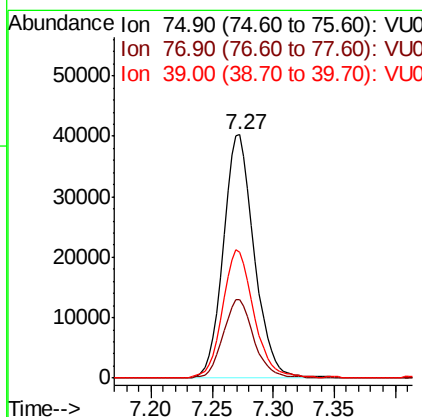
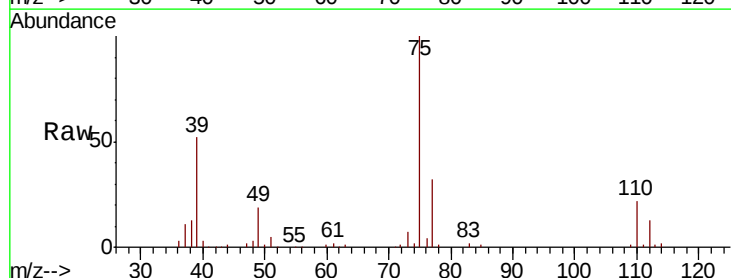
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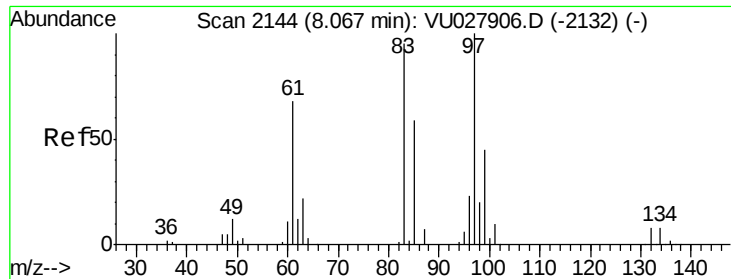
MMDadoda
11/2/2018 9:00:09 AM



#54
cis-1,3-Dichloropropene
Concen: 18.404 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 75 Resp: 71648
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0
39 51.5 42.6 64.0





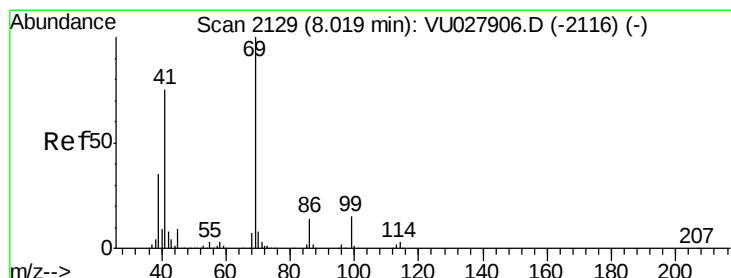
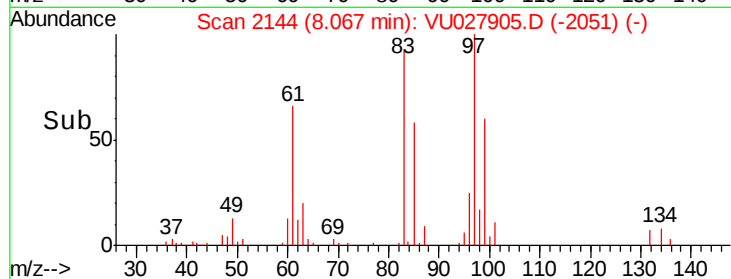
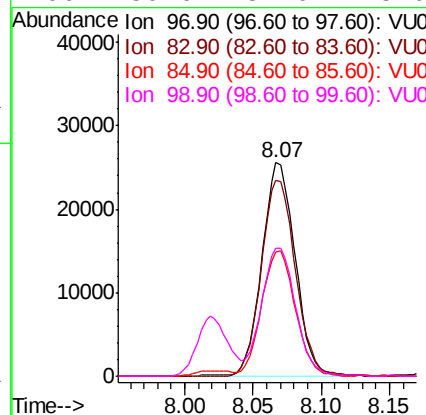
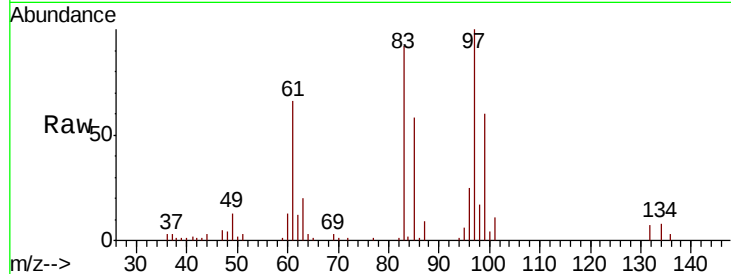
#55
 1,1,2-Trichloroethane
 Concen: 20.021 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	43232
Ion	Ratio	Lower	Upper
97	100		
83	91.6	76.1	114.1
85	58.4	48.9	73.3
99	59.6	52.0	78.0

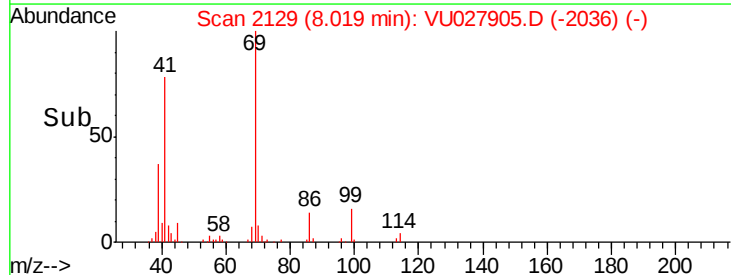
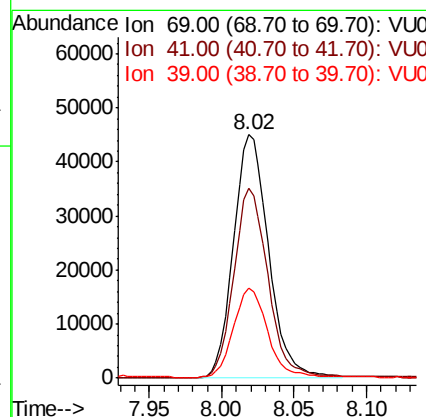
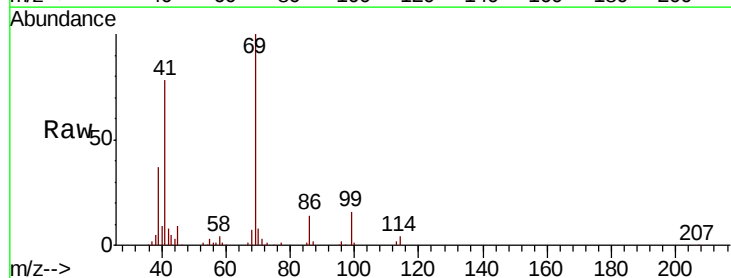
Manual Integrations
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 11/2/2018 9:00:09 AM



#56
 Ethyl methacrylate
 Concen: 20.870 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion:	69	Resp:	75662
Ion	Ratio	Lower	Upper
69	100		
41	76.6	59.8	89.6
39	35.6	28.6	42.8





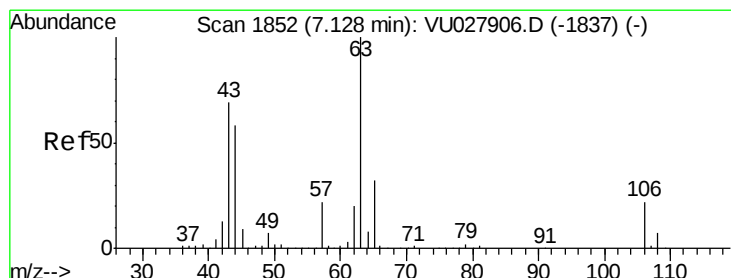
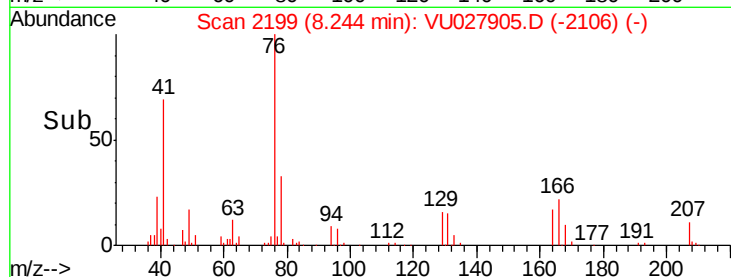
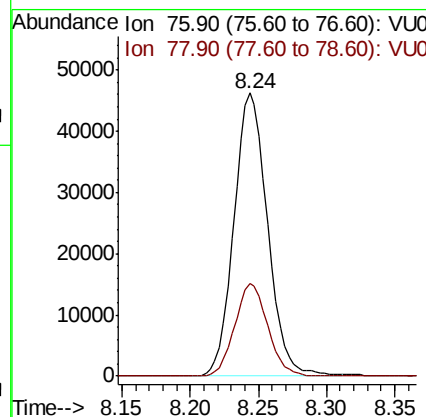
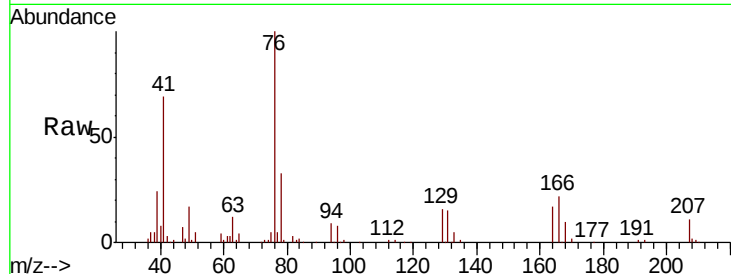
#57
 1,3-Dichloropropane
 Concen: 18.923 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.3	37.9

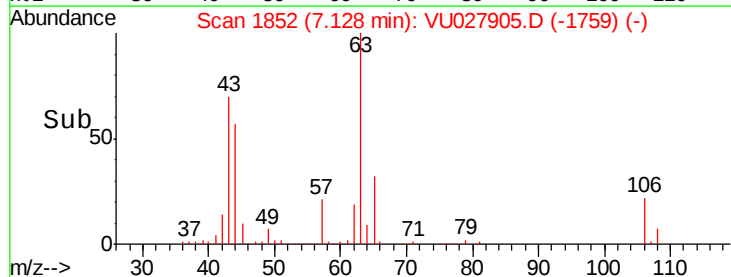
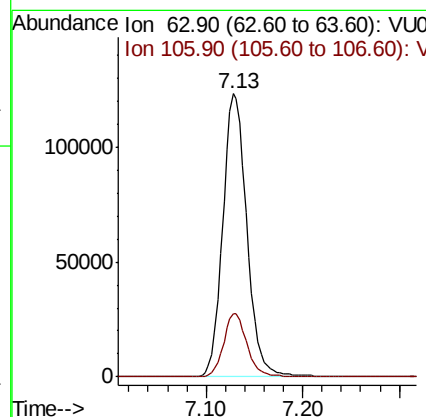
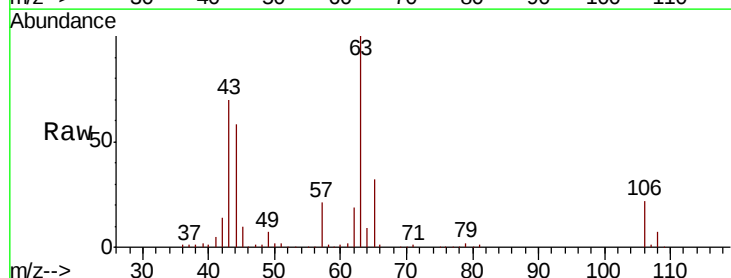
Manual Integrations
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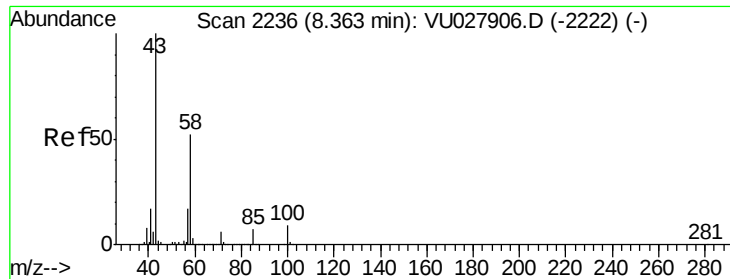
MMDadoda
 11/2/2018 9:00:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.431 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	21.8	17.8	26.6





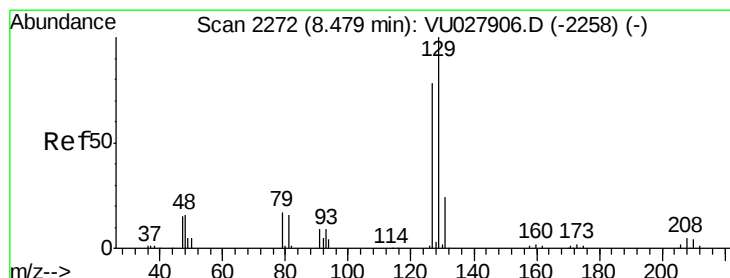
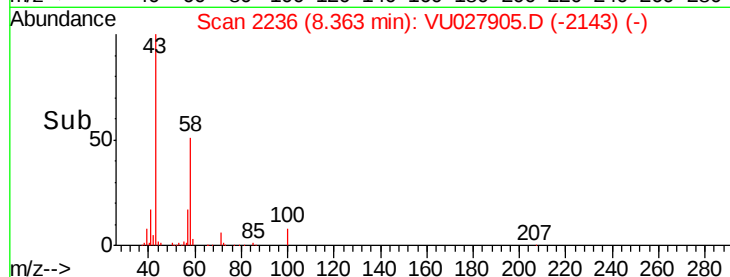
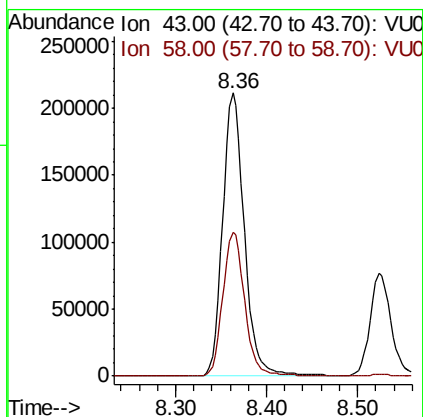
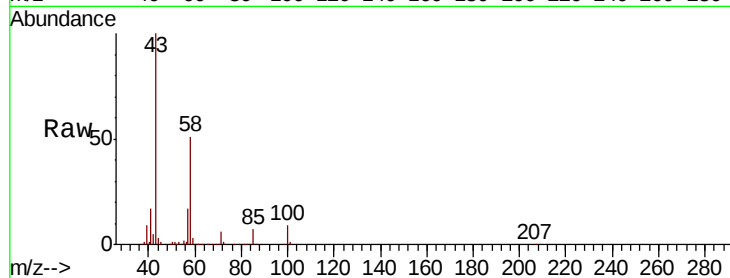
#59
2-Hexanone
Concen: 107.365 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 350860
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.3

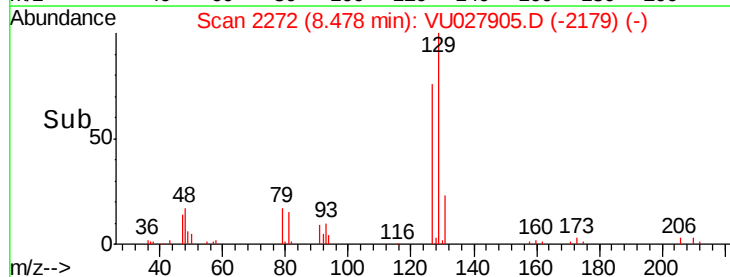
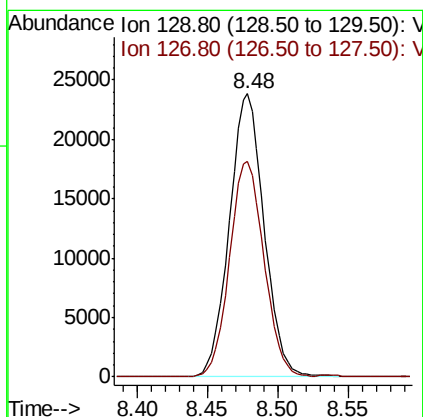
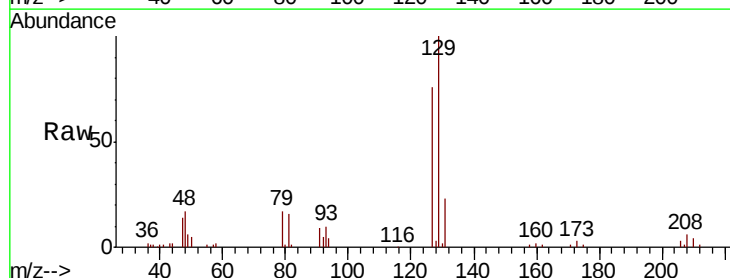
Manual Integrations
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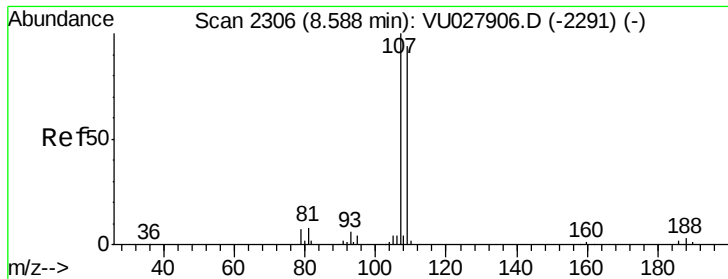
MMDadoda
11/2/2018 9:00:09 AM



#60
Dibromochloromethane
Concen: 18.918 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 129 Resp: 41041
Ion Ratio Lower Upper
129 100
127 75.5 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.972 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 46317

Ion Ratio Lower Upper

107 100

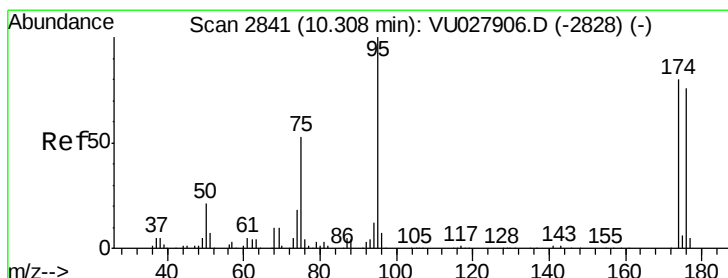
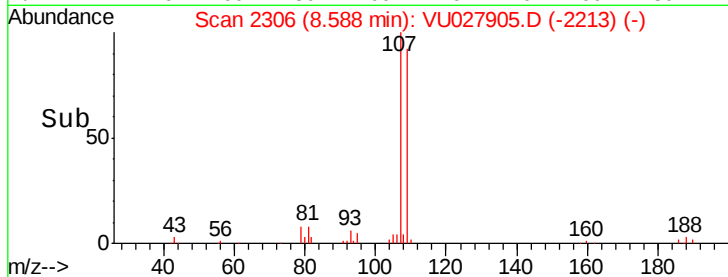
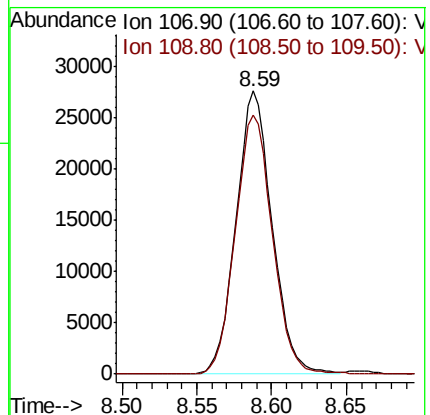
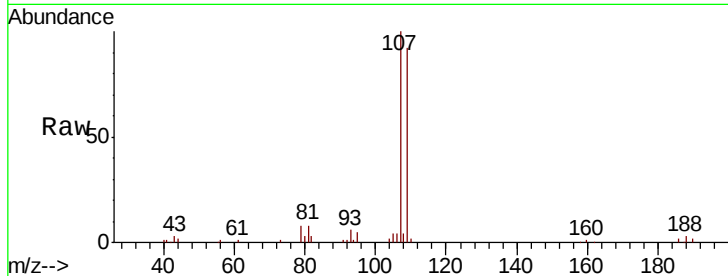
109 94.0 73.8 110.8

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 17.505 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

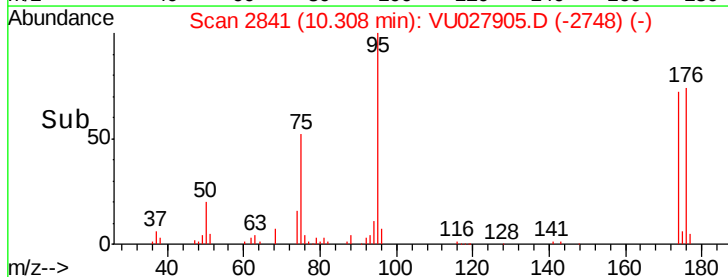
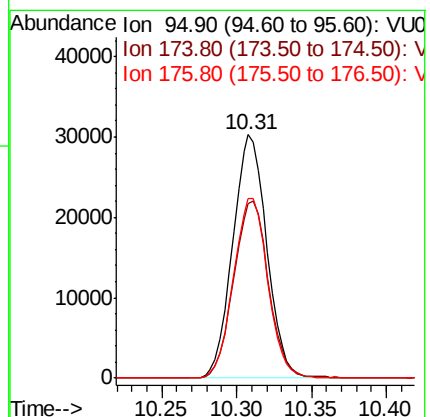
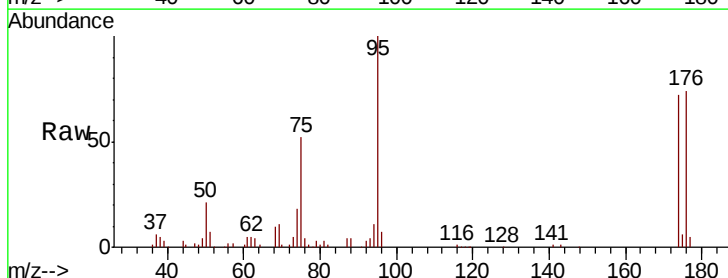
Tgt Ion: 95 Resp: 48047

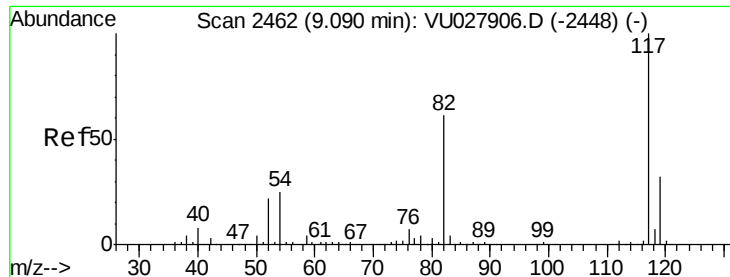
Ion Ratio Lower Upper

95 100

174 74.2 0.0 156.4

176 74.2 0.0 150.8





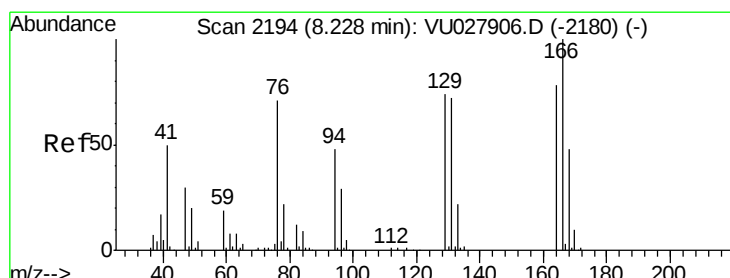
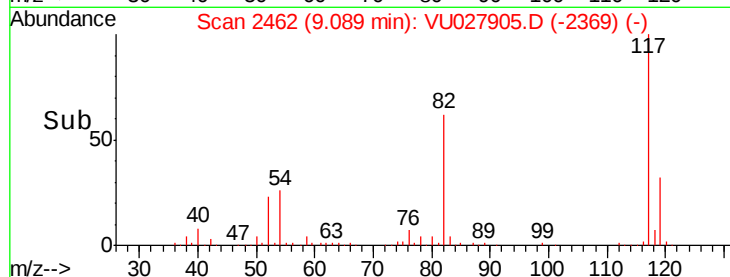
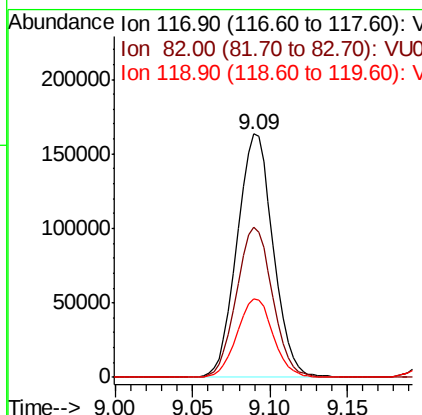
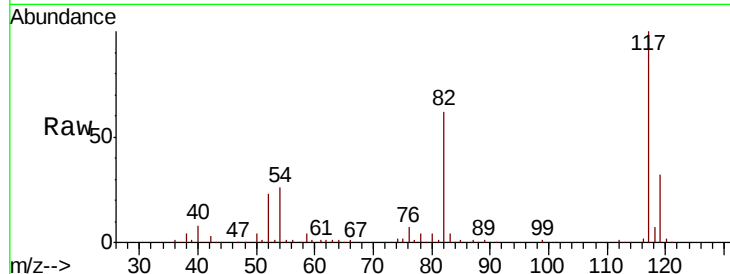
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	48.6	73.0
119	32.3	25.8	38.8

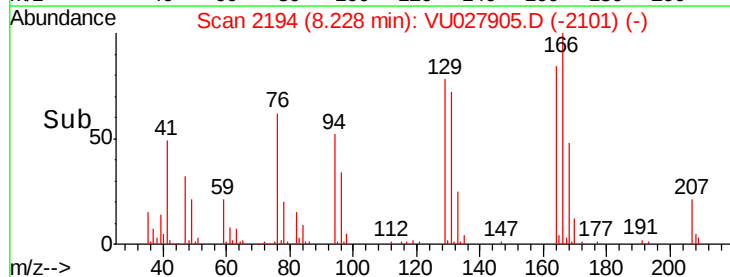
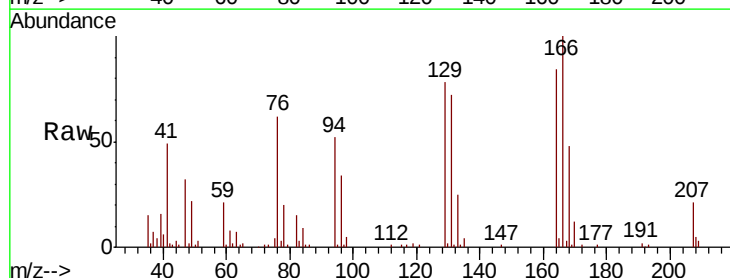
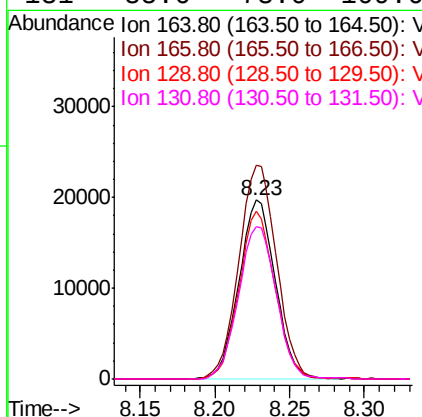
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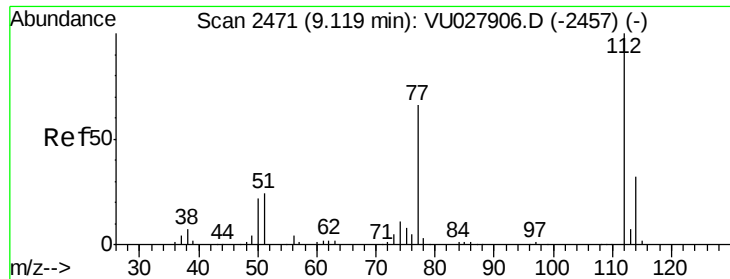
MMDadoda
11/2/2018 9:00:09 AM



#64
Tetrachloroethene
Concen: 20.203 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.5	102.1	153.1
129	93.5	75.9	113.9
131	85.6	73.0	109.6





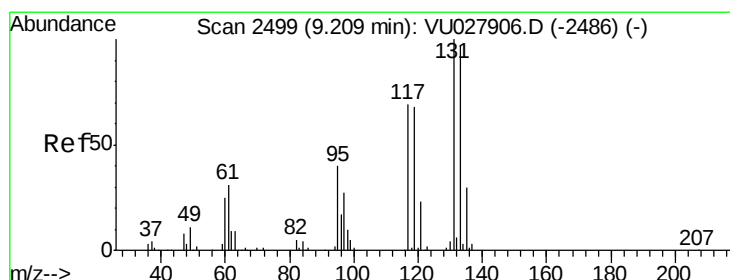
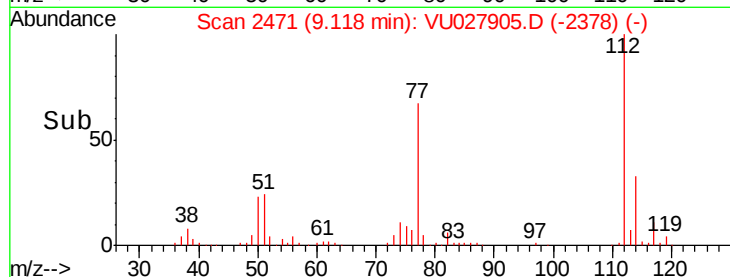
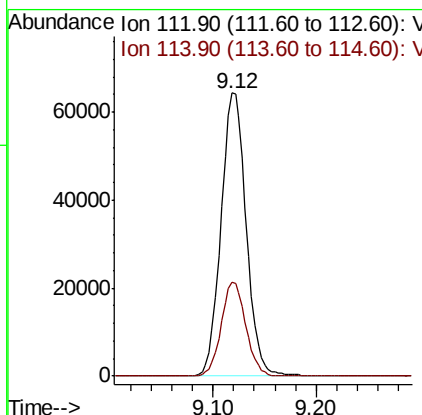
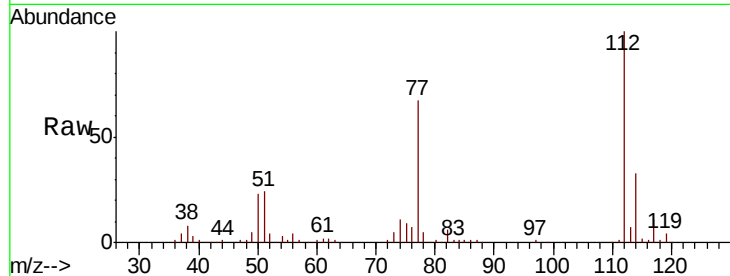
#65
Chlorobenzene
Concen: 19.549 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 109296
Ion Ratio Lower Upper
112 100
114 33.2 25.2 37.8

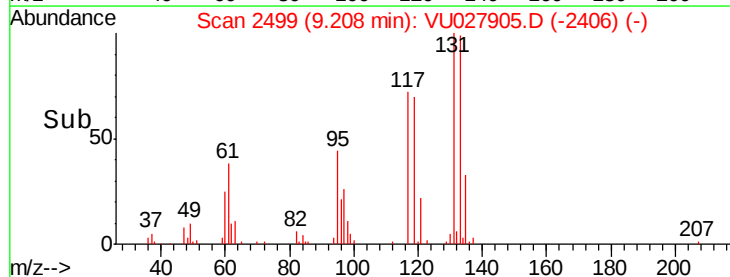
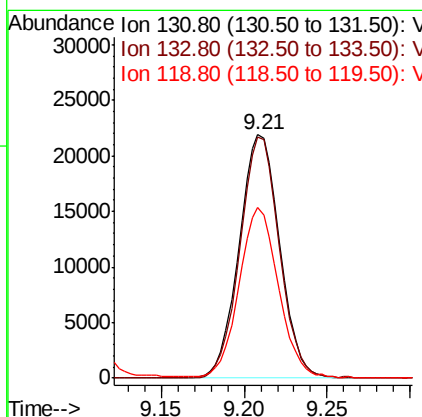
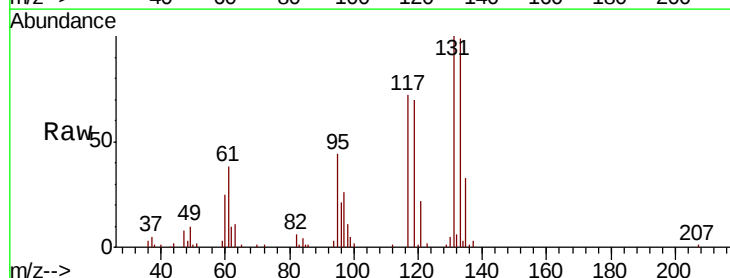
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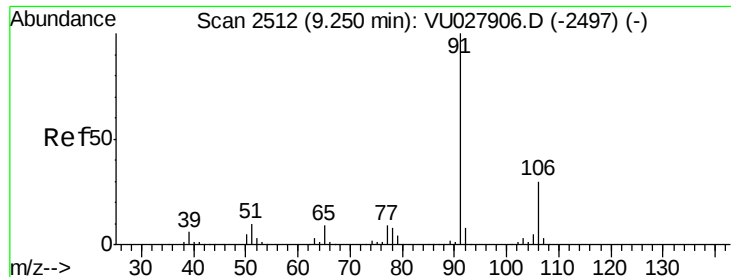
MMDadoda
11/2/2018 9:00:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.266 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion:131 Resp: 37109
Ion Ratio Lower Upper
131 100
133 96.4 48.1 144.4
119 68.8 34.0 101.8





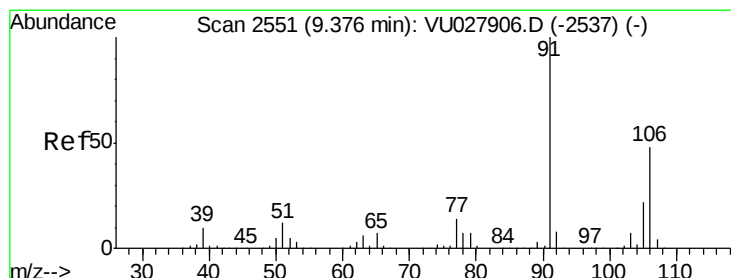
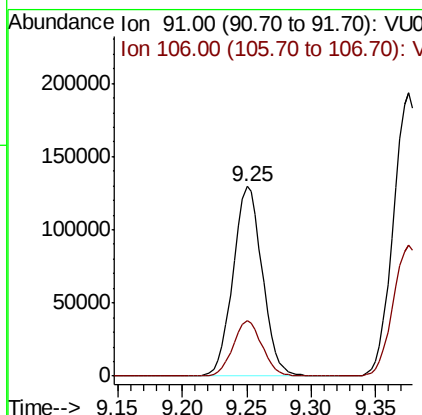
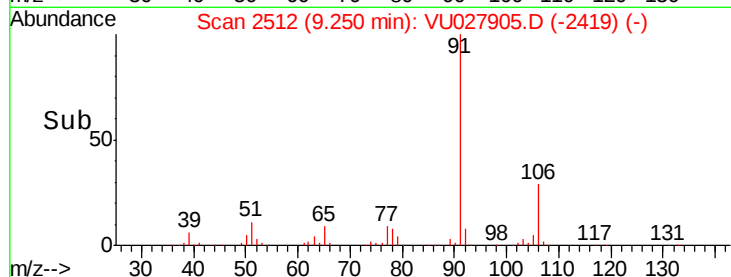
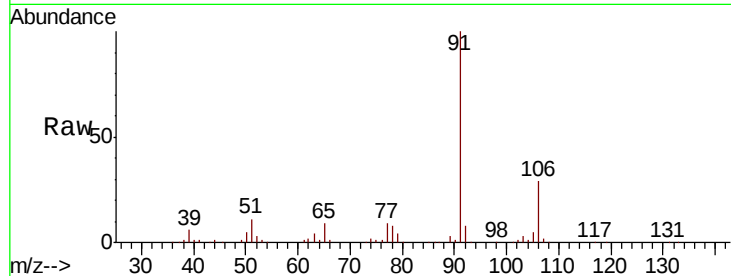
#67
Ethyl Benzene
Concen: 20.668 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 205090
Ion Ratio Lower Upper
91 100
106 29.3 23.6 35.4

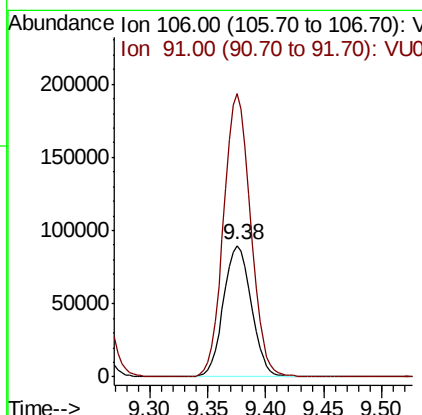
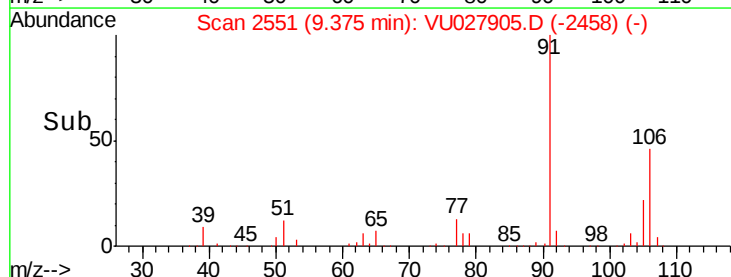
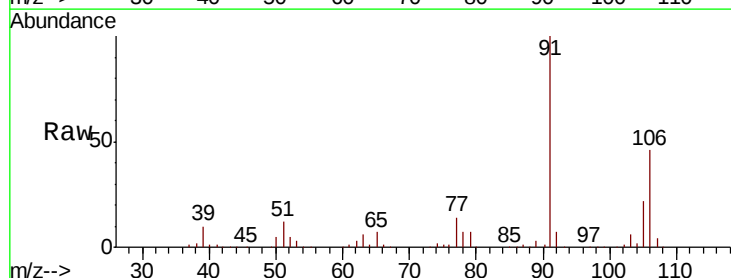
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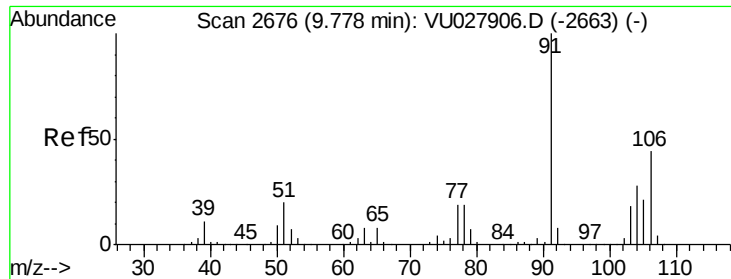
MMDadoda
11/2/2018 9:00:09 AM



#68
m/p-Xylenes
Concen: 41.268 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 106 Resp: 149322
Ion Ratio Lower Upper
106 100
91 207.3 168.2 252.4





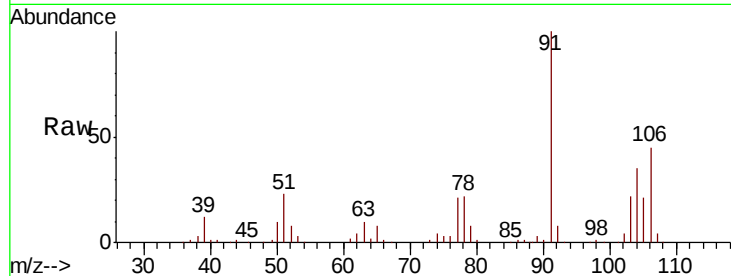
#69
o-Xylene
Concen: 21.266 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

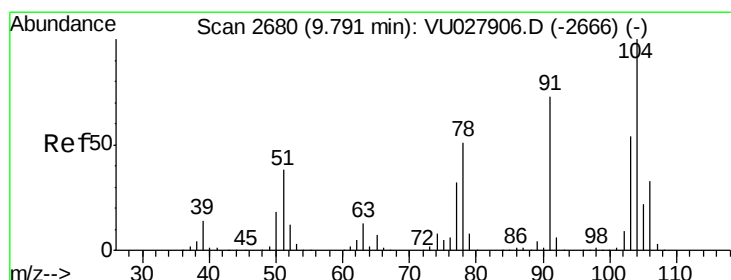
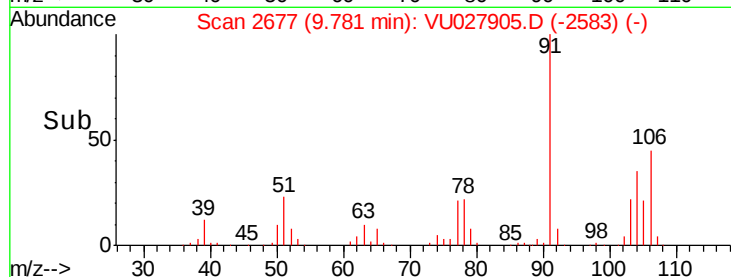
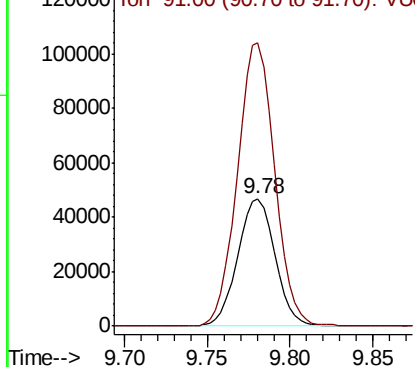
Tot Ion:106 Resp: 73462
Ion Ratio Lower Upper
106 100
91 222.2 111.1 333.4

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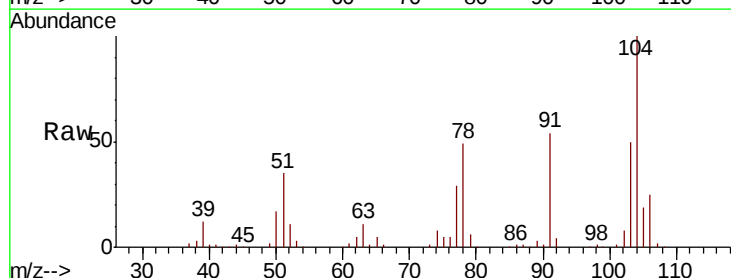


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

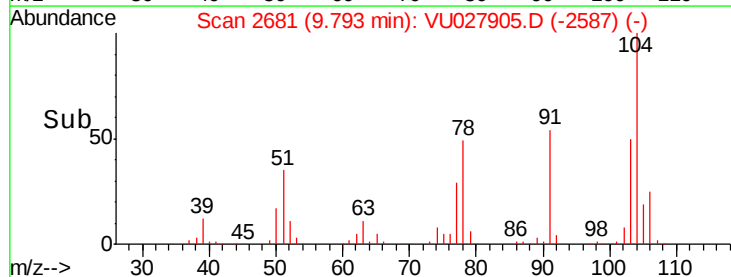
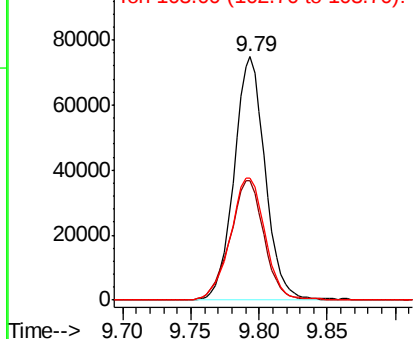


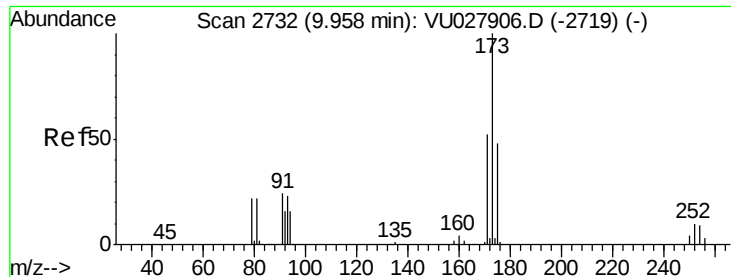
#70
Styrene
Concen: 20.827 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion:104 Resp: 118202
Ion Ratio Lower Upper
104 100
78 53.6 43.0 64.4
103 55.9 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: 18.067 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

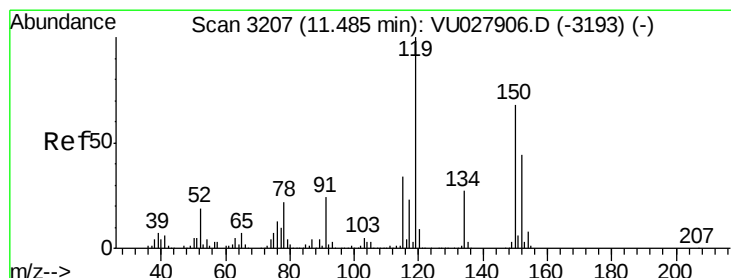
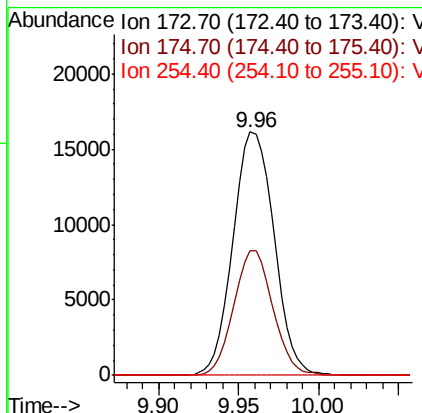
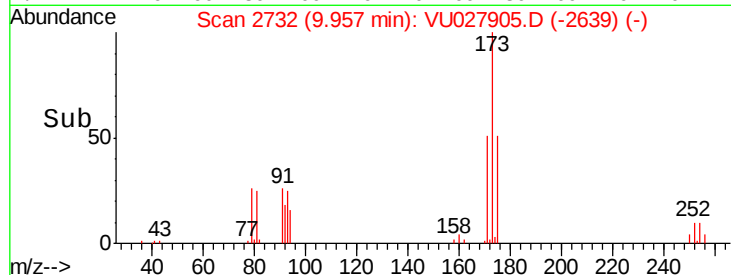
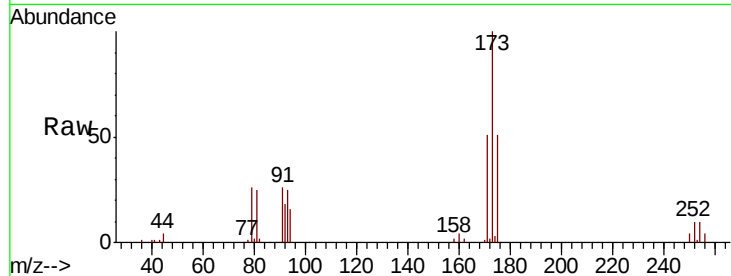
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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11/2/2018 9:00:09 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

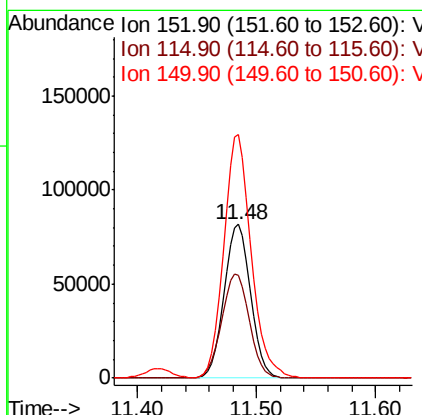
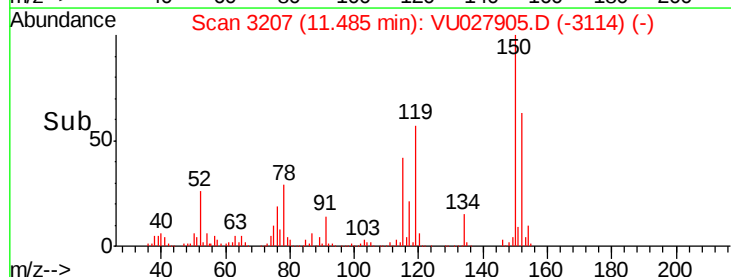
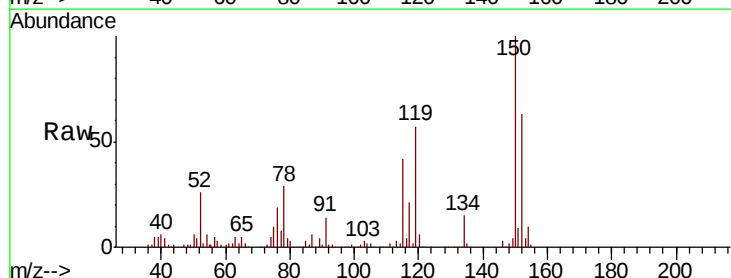
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.9	43.0	129.0
150	162.5	0.0	349.4





#73

Isopropylbenzene

Concen: 21.065 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 193146

Ion Ratio Lower Upper

105 100

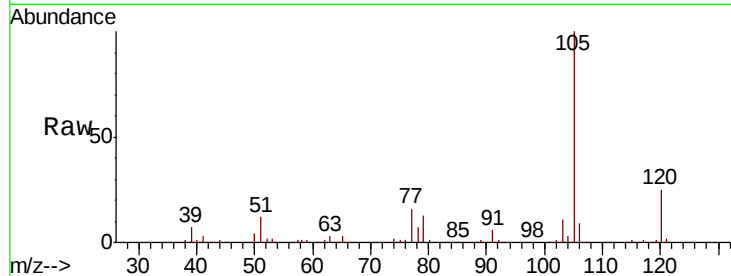
120 25.4 12.7 38.0

Manual Integrations

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11/2/2018 9:00:09 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

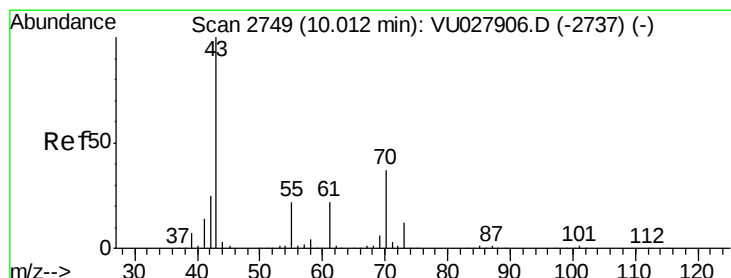
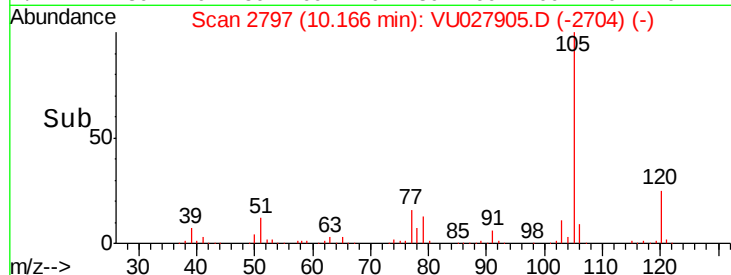
10.17

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.749 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion: 43 Resp: 116456

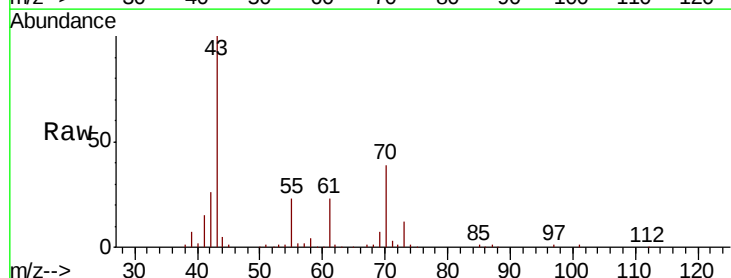
Ion Ratio Lower Upper

43 100

70 37.3 29.2 43.8

55 23.1 17.8 26.6

61 22.4 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

120000

100000

80000

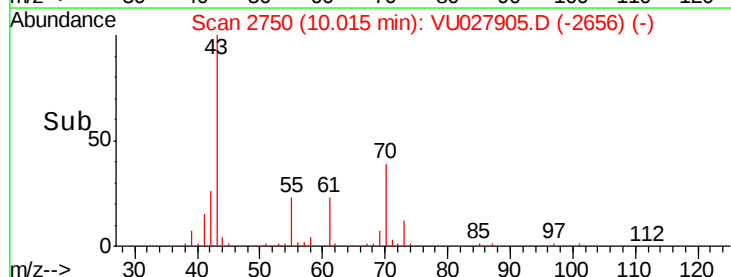
60000

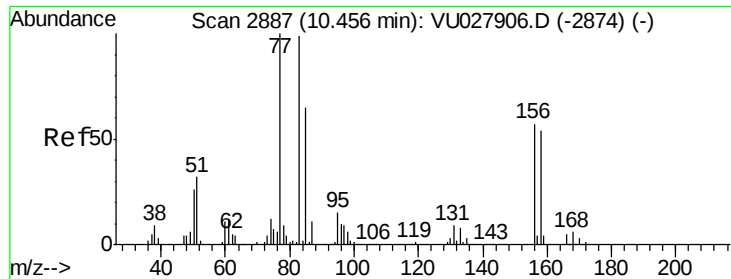
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.398 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

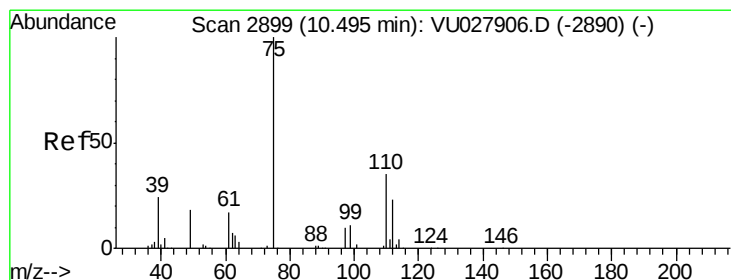
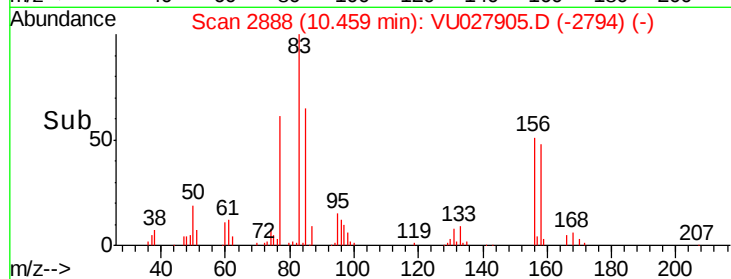
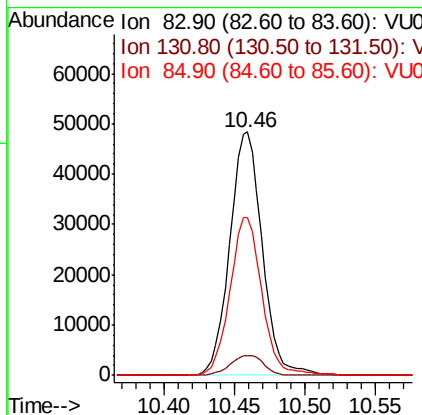
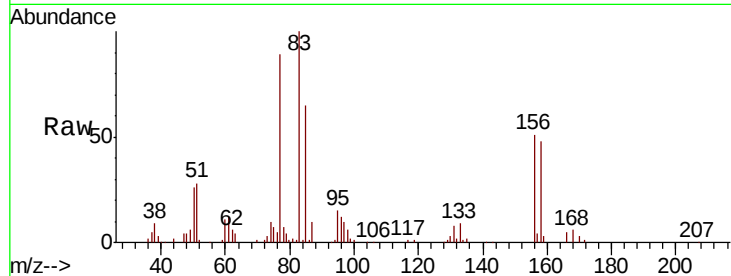
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	13.1
85	63.8	32.4	97.2

Manual Integrations
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11/2/2018 9:00:09 AM



#76

1,2,3-Trichloropropane

Concen: 20.030 ug/l m

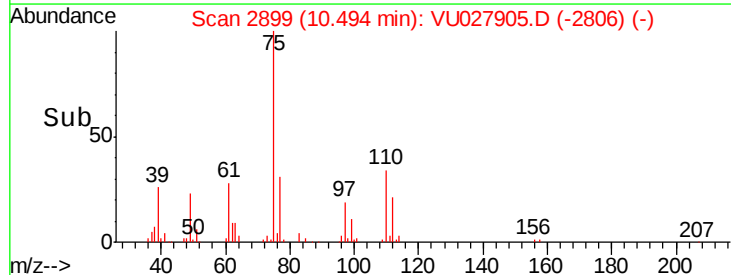
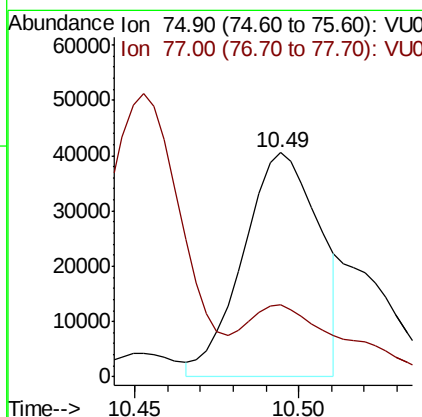
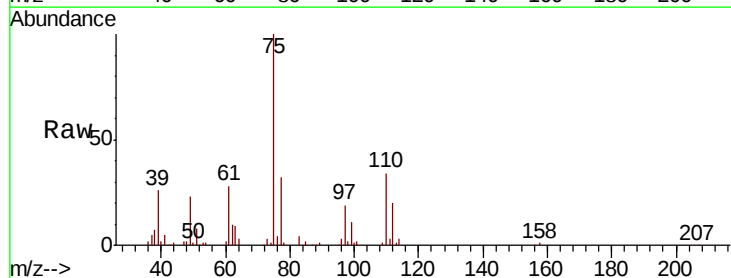
RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	42.8	21.6	64.6





#77

Bromobenzene

Concen: 20.678 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

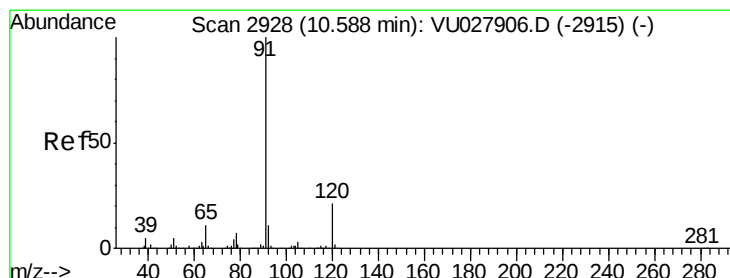
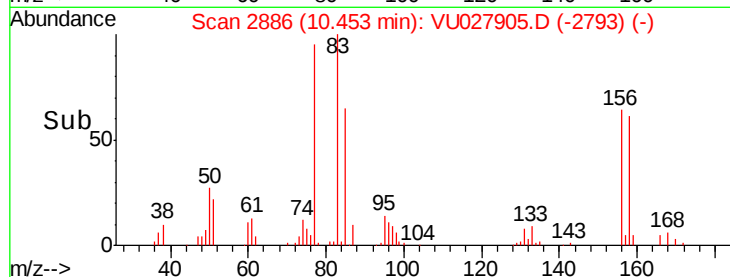
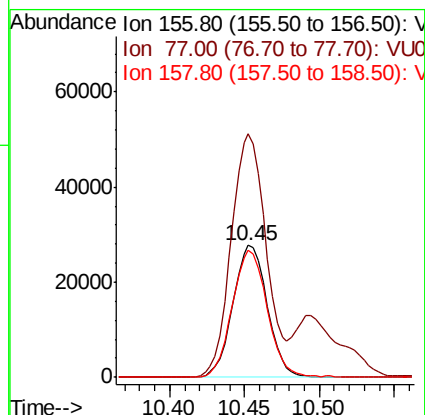
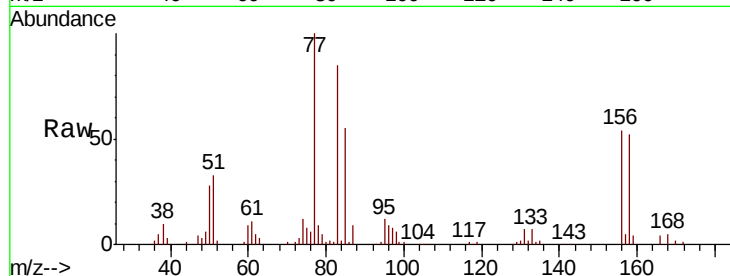
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.2	91.8	275.6
158	97.5	48.4	145.2

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#78

n-propylbenzene

Concen: 21.146 ug/l

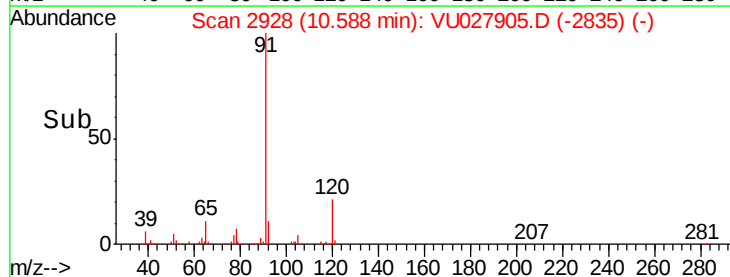
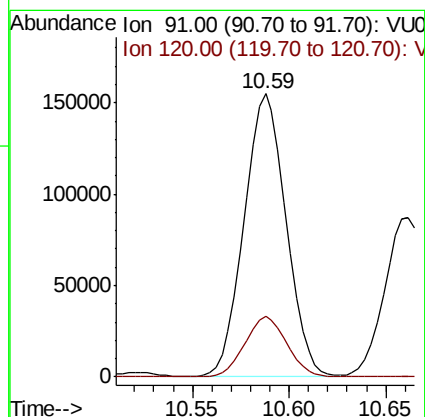
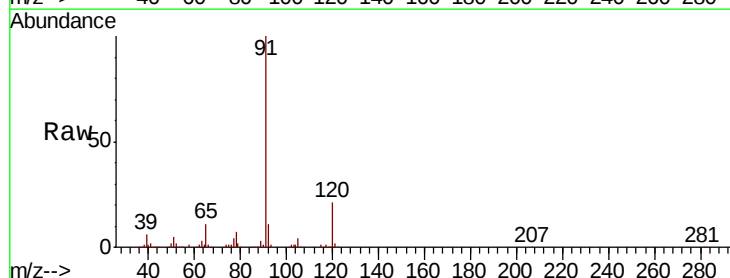
RT: 10.59 min Scan# 2928

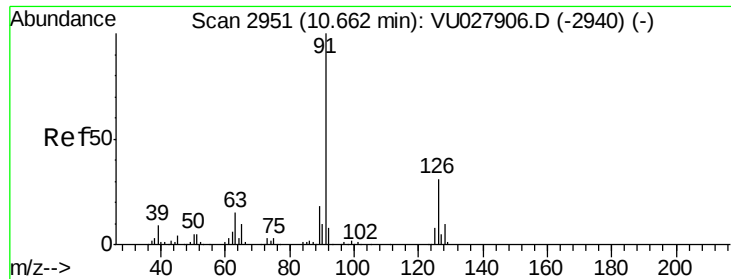
Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.6	31.8





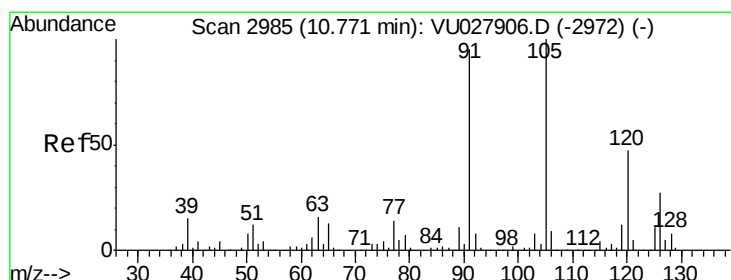
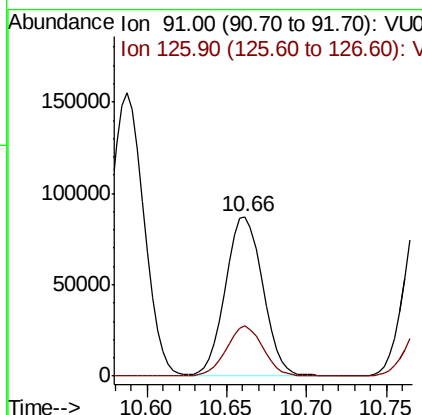
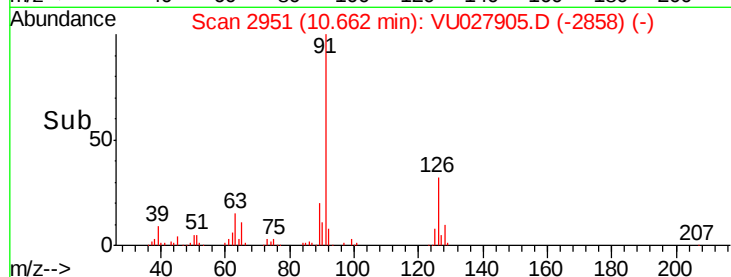
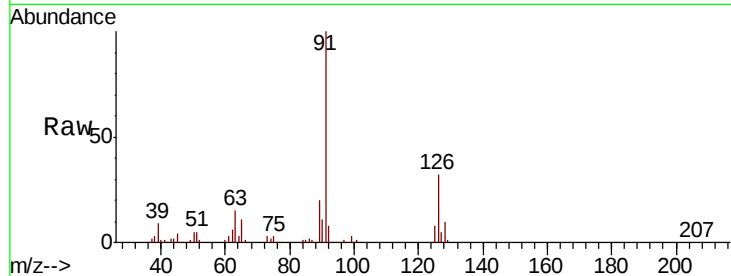
#79
 2-Chlorotoluene
 Concen: 20.779 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.8	16.0	47.9

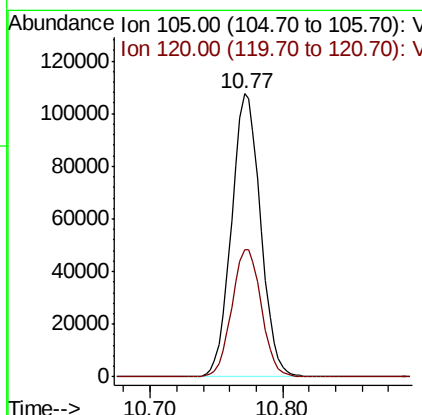
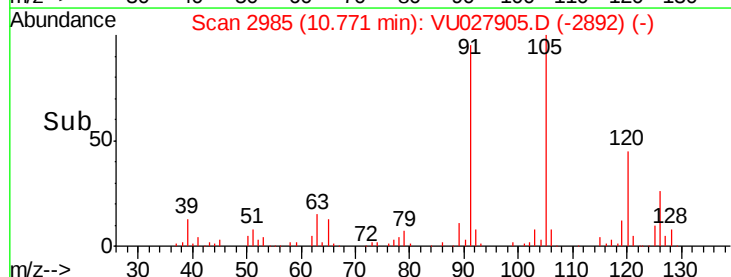
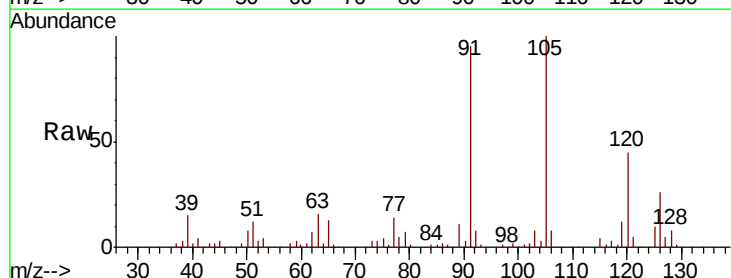
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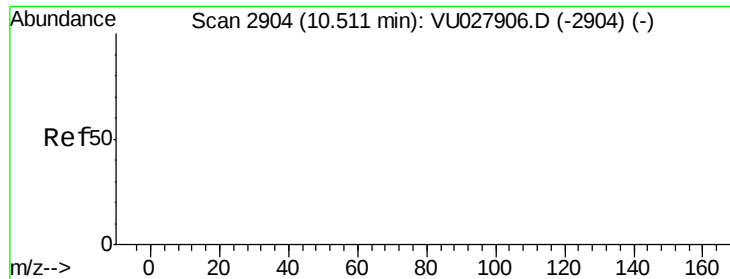
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.832 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.3	69.9





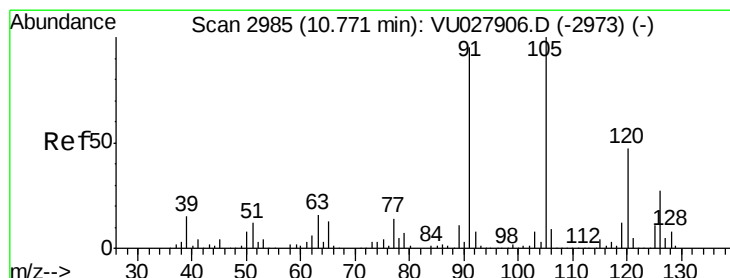
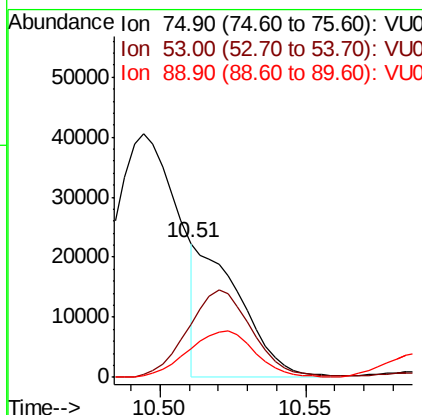
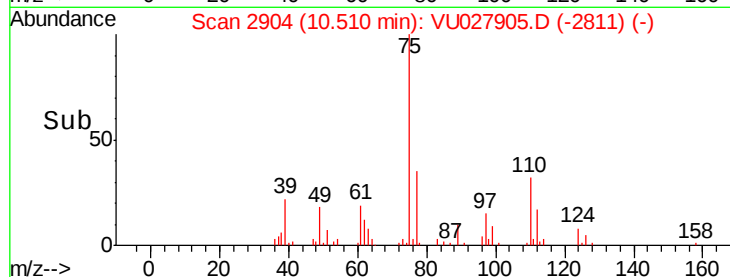
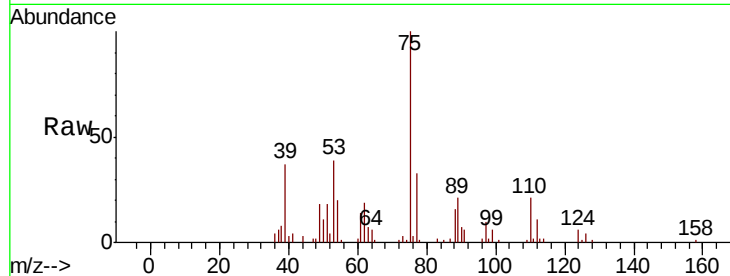
#81
trans-1,4-Dichloro-2-butene
Concen: 18.754 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

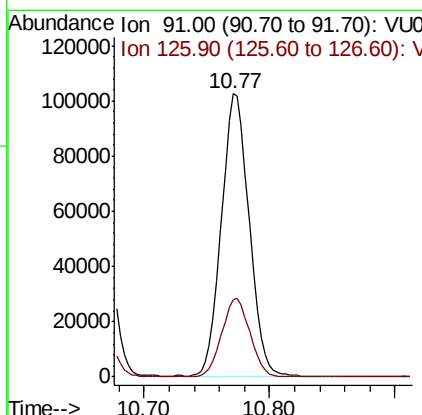
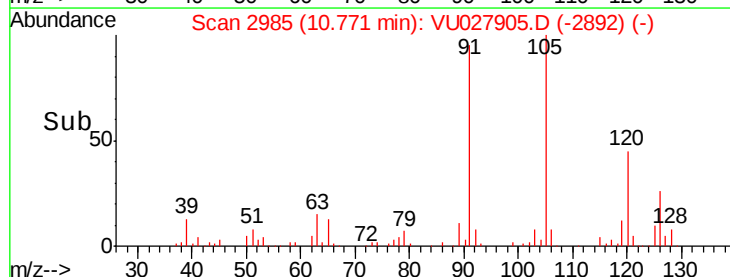
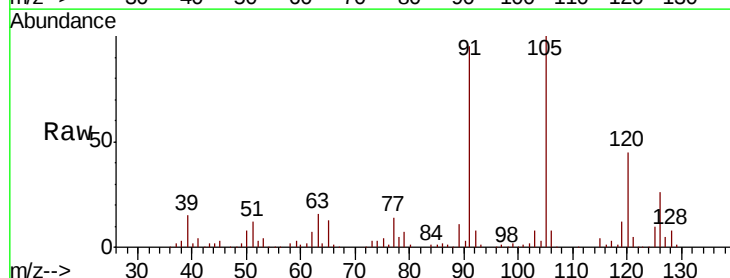
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#82
4-Chlorotoluene
Concen: 20.855 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6





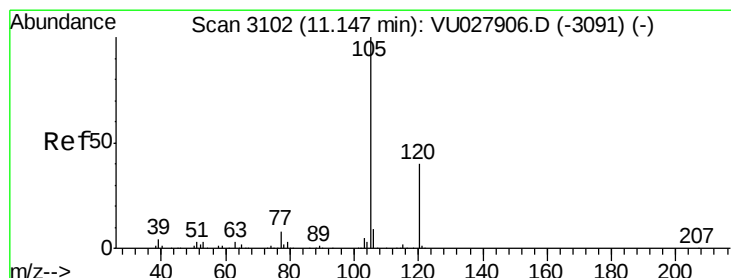
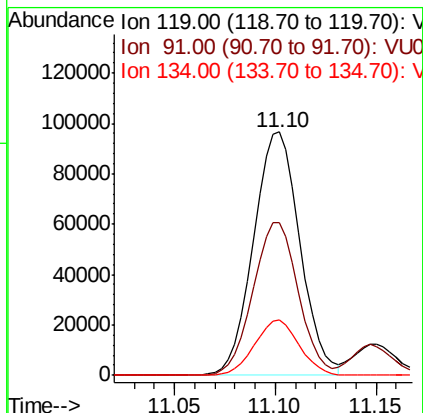
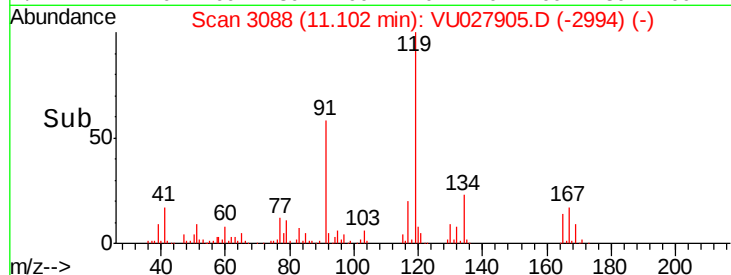
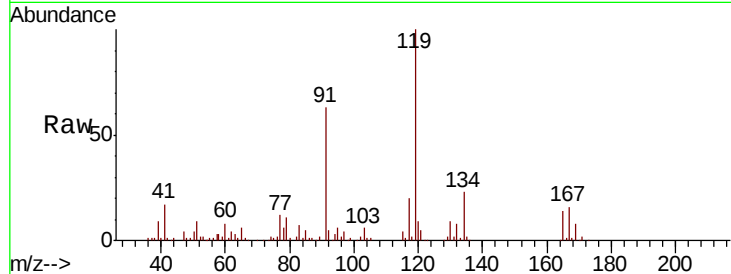
#83
tert-Butylbenzene
Concen: 21.367 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	155148		
91	61.3	29.8	89.3	
134	21.9	11.1	33.1	

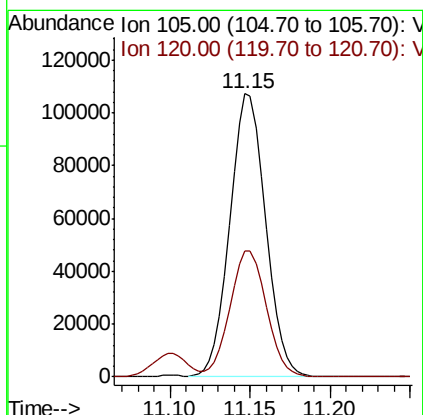
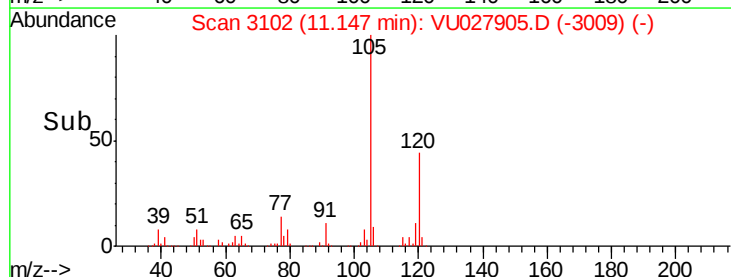
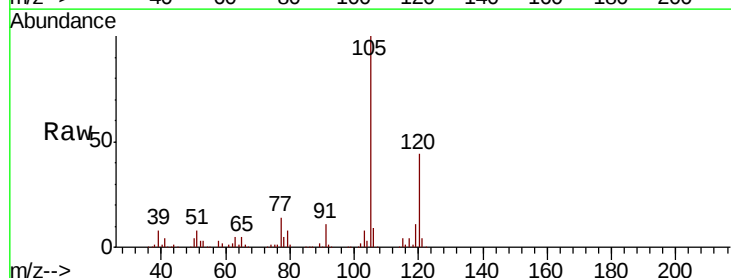
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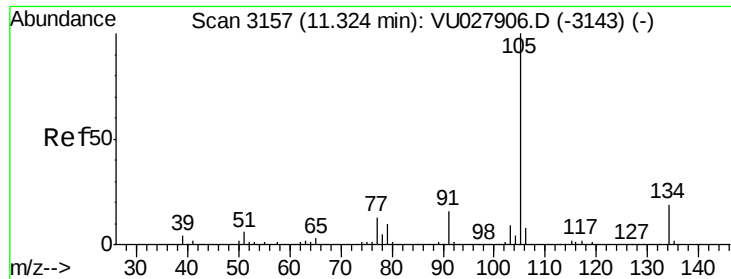
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#84
1,2,4-Trimethylbenzene
Concen: 21.207 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	162136		
120	45.9	22.1	66.1	





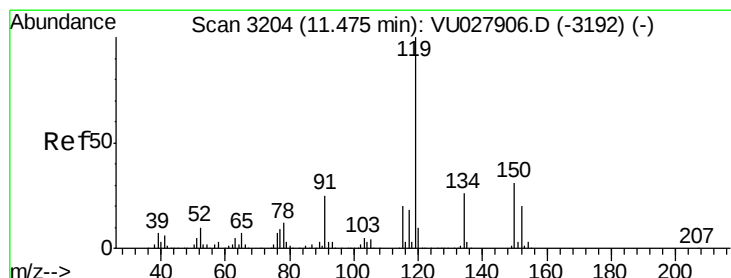
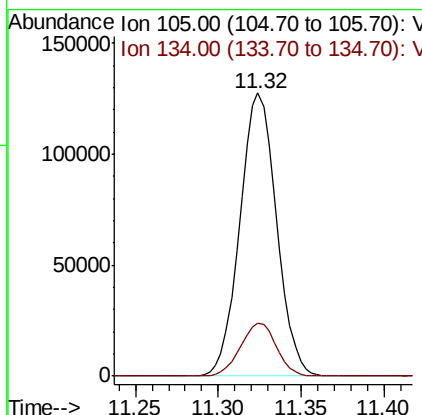
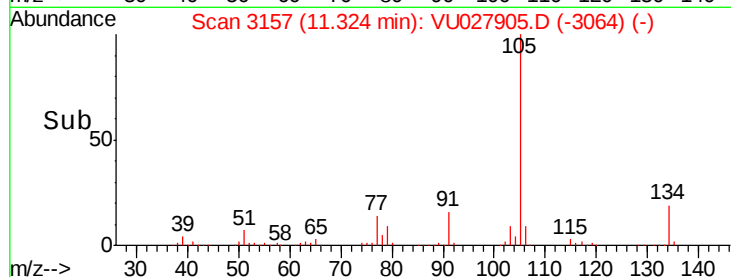
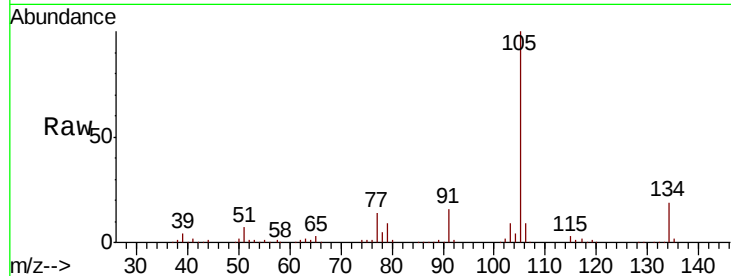
#85
 sec-Butylbenzene
 Concen: 21.450 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	196010		
134	18.5	9.2	27.6	

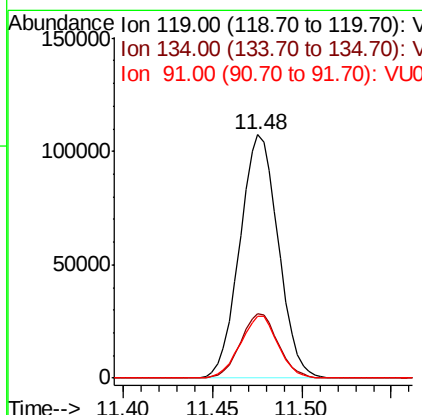
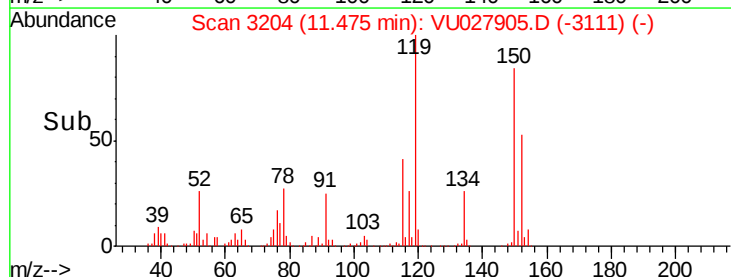
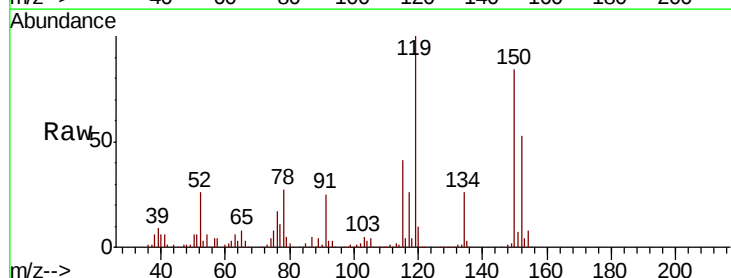
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#86
 p-Isopropyltoluene
 Concen: 20.834 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	162163		
134	25.9	12.9	38.7	
91	25.1	12.4	37.2	





#87

1,3-Dichlorobenzene

Concen: 19.836 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

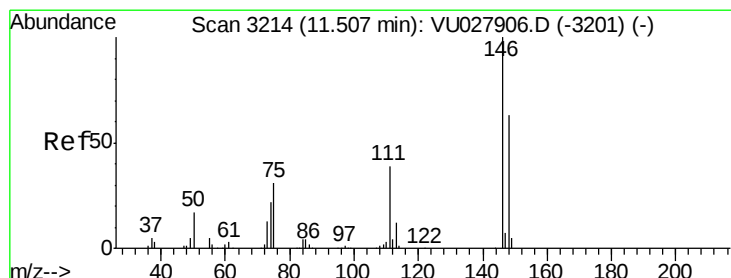
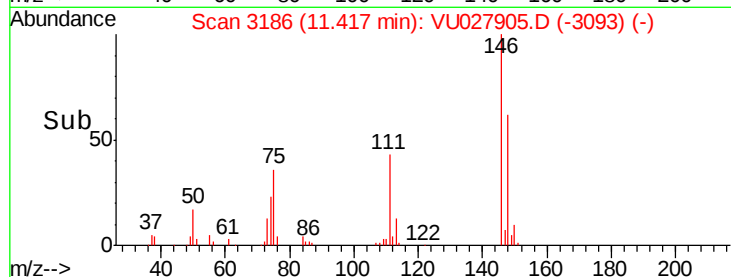
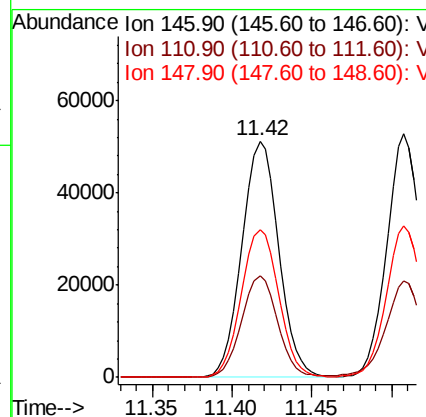
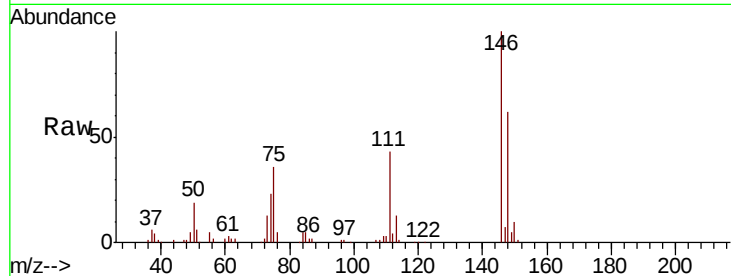
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	80263
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.3	61.0
148	63.6	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 19.662 ug/l

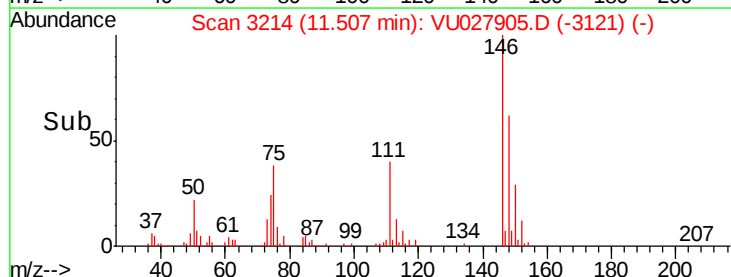
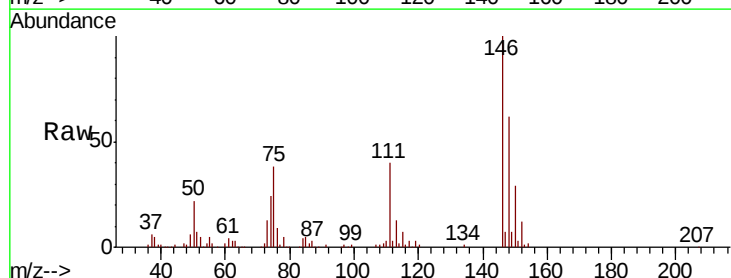
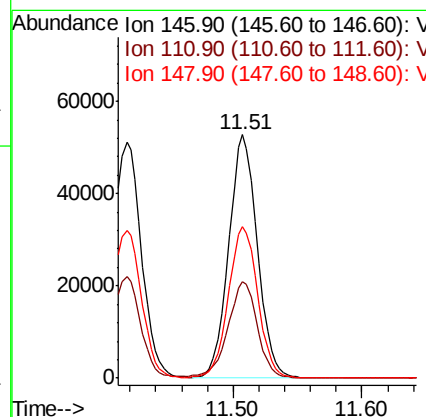
RT: 11.51 min Scan# 3214

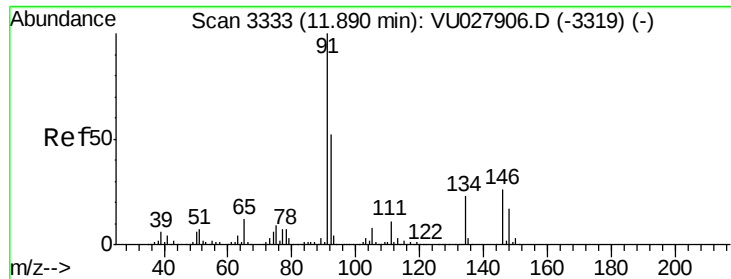
Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion:	146	Resp:	81240
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.3	60.9
148	63.8	32.0	96.2





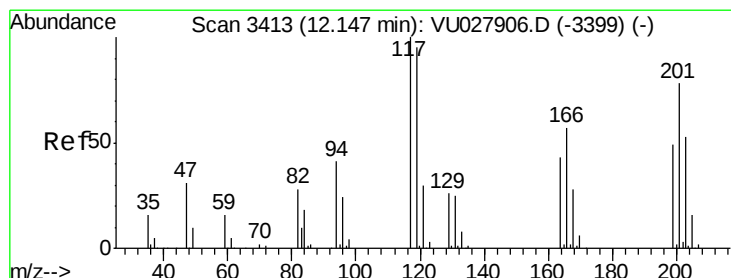
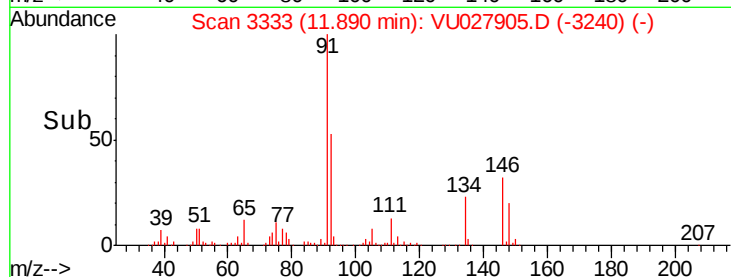
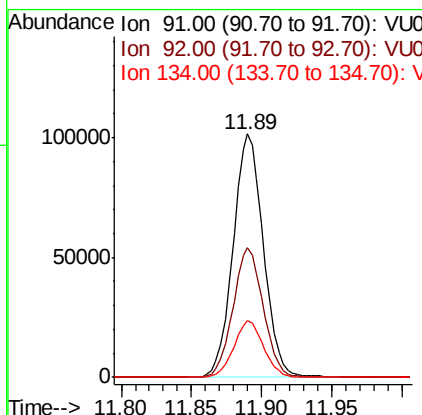
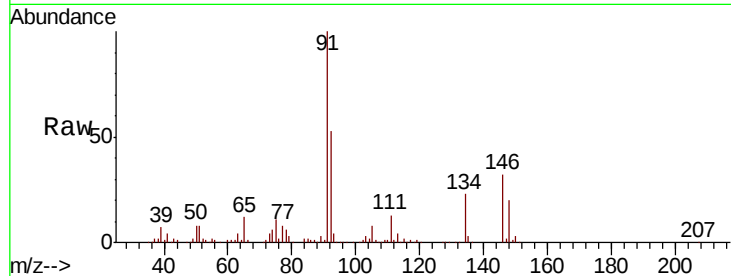
#89
n-Butylbenzene
Concen: 20.915 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.2	78.5
134	22.8	11.5	34.5

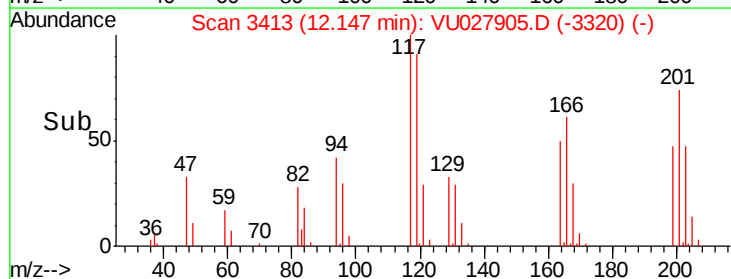
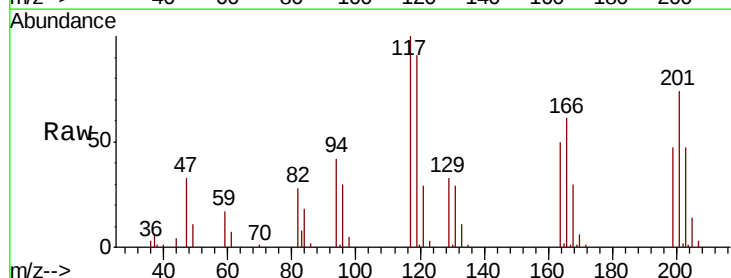
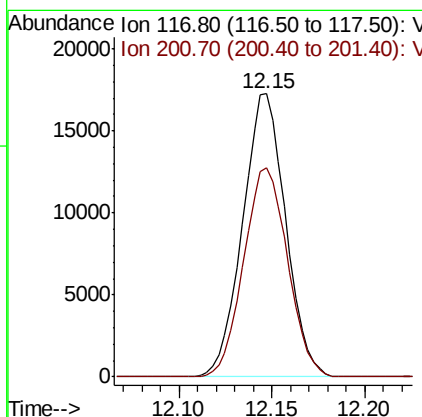
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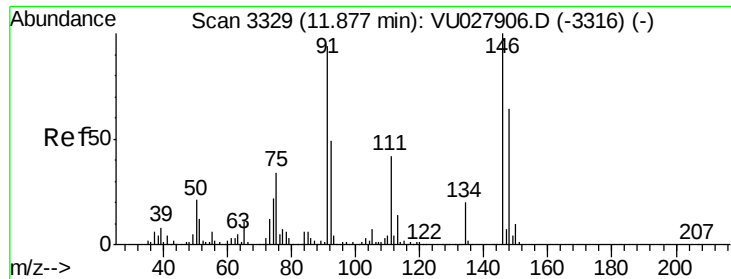
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#90
Hexachloroethane
Concen: 19.080 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	38.5	115.5





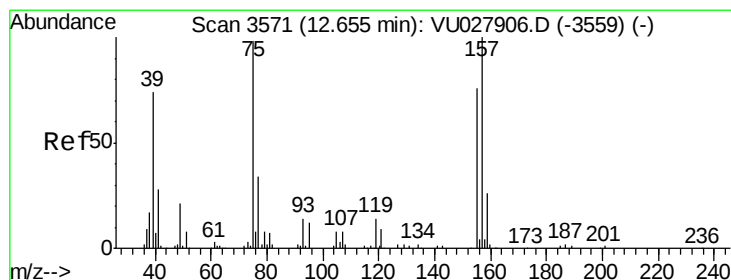
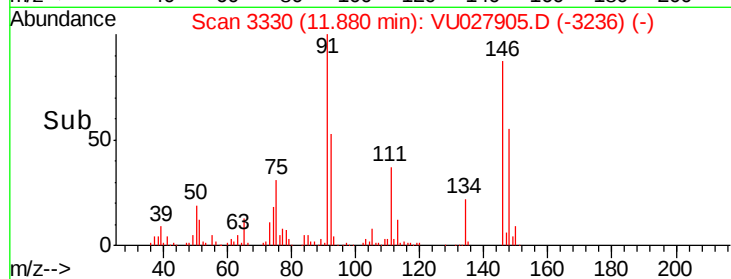
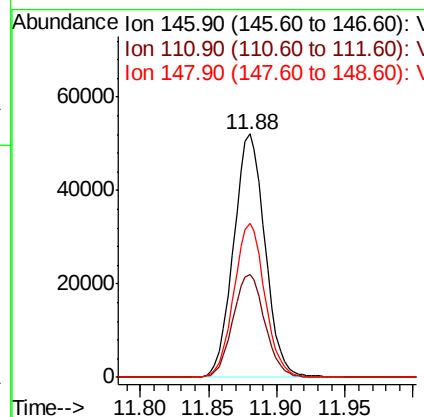
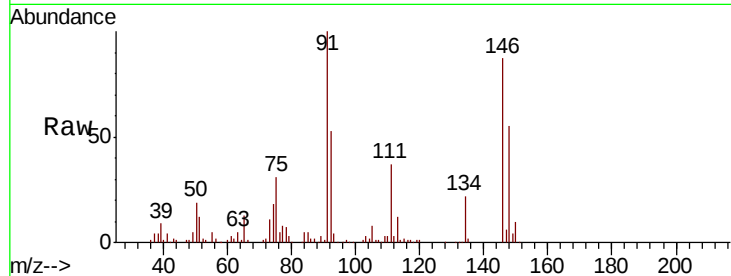
#91
 1,2-Dichlorobenzene
 Concen: 21.048 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	64.0
148	62.2	31.8	95.3

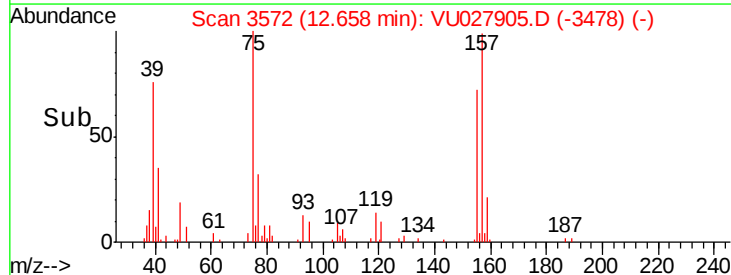
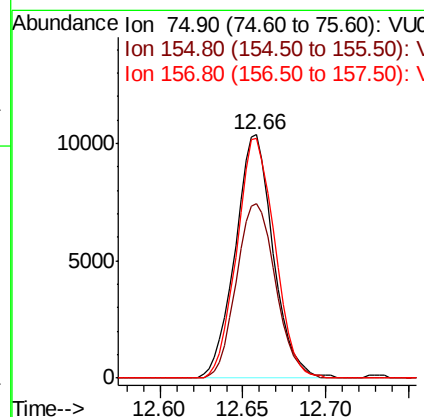
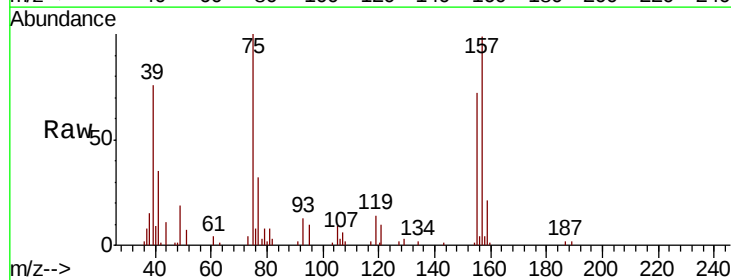
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.568 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	39.8	119.3
157	98.8	50.6	151.9





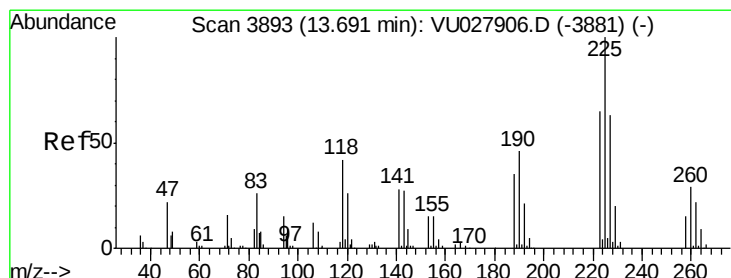
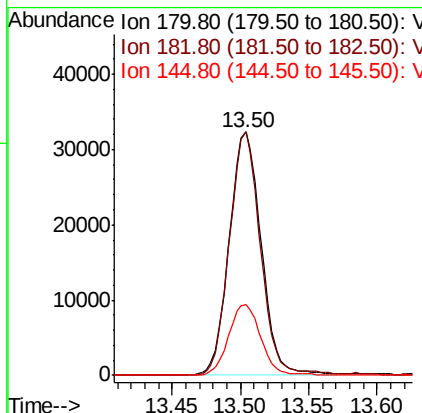
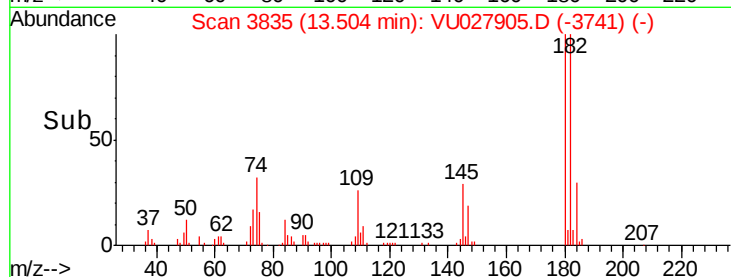
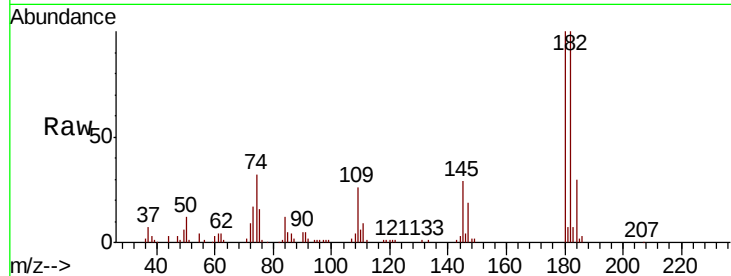
#93
 1,2,4-Trichlorobenzene
 Concen: 20.530 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	48.4	145.2	
145	29.2	14.9	44.5	

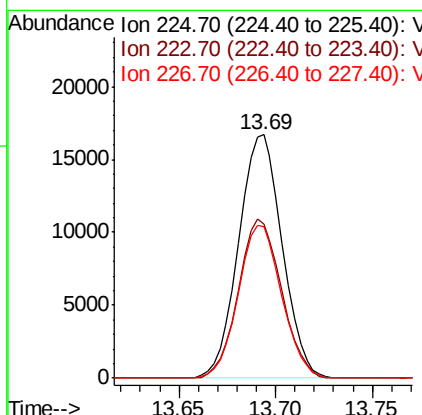
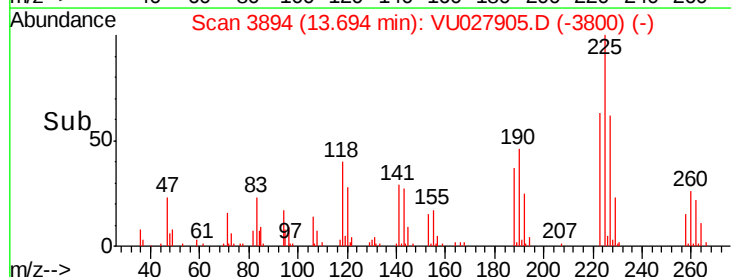
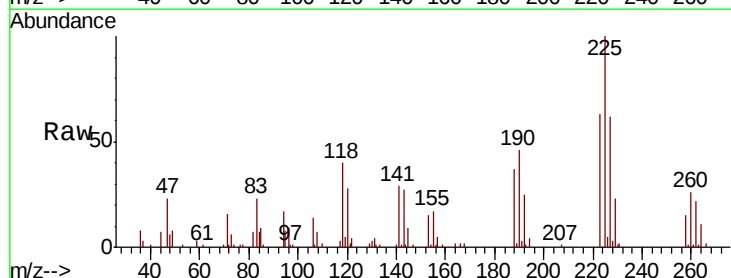
Manual Integrations
 APPROVED

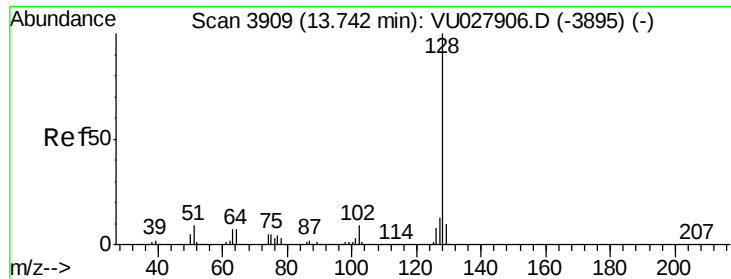
MMDadoda
 11/2/2018 9:00:09 AM



#94
 Hexachlorobutadiene
 Concen: 20.255 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.7	32.2	96.6	
227	62.4	32.5	97.4	





#95

Naphthalene

Concen: 22.070 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

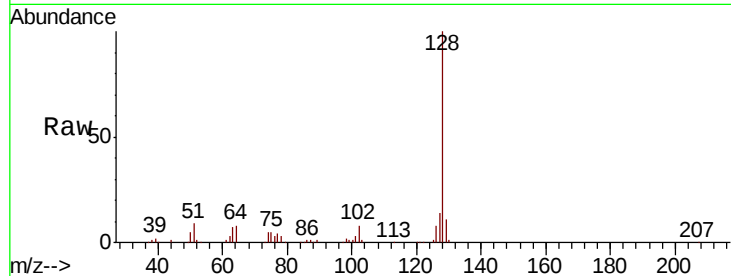
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	192954
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.5	8.3	12.5

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MMDadoda
11/2/2018 9:00:09 AM

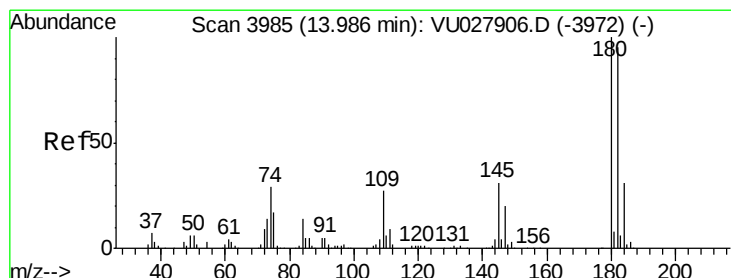
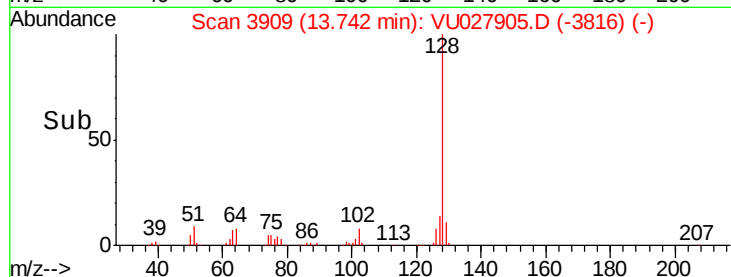
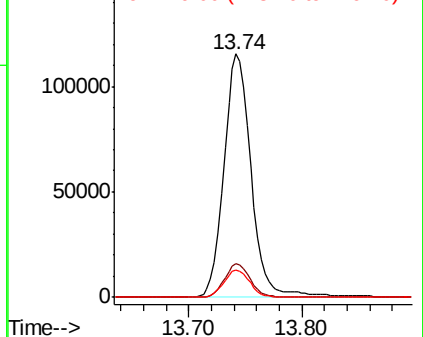


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.113 ug/l

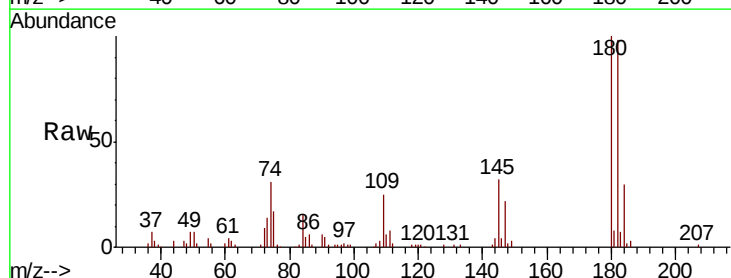
RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion:	180	Resp:	56659
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.4	142.3
145	31.1	16.0	47.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

