

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092618\
 Data File : VU027187.D
 Acq On : 26 Sep 2018 18:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:22 PM

Quant Time: Sep 27 02:38:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	79372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136161	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84784	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
35) Dibromofluoromethane	4.88	113	58767	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	7.57	98	226388	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	10.31	95	83330	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	43376	41.856	ug/l	100
3) Chloromethane	1.33	50	70804	39.628	ug/l	100
4) Vinyl Chloride	1.40	62	73608	44.135	ug/l	99
5) Bromomethane	1.61	94	29948	31.532	ug/l	96
6) Chloroethane	1.69	64	48798	45.793	ug/l	99
7) Trichlorofluoromethane	1.88	101	86325	45.573	ug/l	99
8) Diethyl Ether	2.10	74	43252	47.438	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	52973	45.482	ug/l	99
10) Methyl Iodide	2.41	142	30581	21.171	ug/l	99
11) Tert butyl alcohol	2.83	59	101642	277.591	ug/l	99
12) 1,1-Dichloroethene	2.28	96	49929	45.545	ug/l	99
13) Acrolein	2.20	56	45020	228.085	ug/l	99
14) Allyl chloride	2.59	41	118662	53.369	ug/l	97
15) Acrylonitrile	2.94	53	258193	279.776	ug/l	98
16) Acetone	2.32	43	226379	267.968	ug/l	100
17) Carbon Disulfide	2.48	76	149357	41.823	ug/l	100
18) Methyl Acetate	2.62	43	136980	60.244	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	220080	54.632	ug/l	100
20) Methylene Chloride	2.70	84	66632	46.574	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	55513	47.430	ug/l	99
22) Diisopropyl ether	3.58	45	272975	57.399	ug/l	97
23) Vinyl Acetate	3.53	43	1174241	289.657	ug/l	99
24) 1,1-Dichloroethane	3.45	63	135684	51.802	ug/l	99
25) 2-Butanone	4.26	43	375193	279.471	ug/l	97
26) 2,2-Dichloropropane	4.23	77	85007	41.615	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	69006	52.206	ug/l	100
28) Bromochloromethane	4.55	49	71497	56.626	ug/l	95
29) Tetrahydrofuran	4.64	42	239663	295.104	ug/l	97
30) Chloroform	4.67	83	122241	50.278	ug/l	98
31) Cyclohexane	5.00	56	114170	47.927	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	100758	51.904	ug/l	98
36) 1,1-Dichloropropene	5.14	75	86725	47.724	ug/l	99
37) Ethyl Acetate	4.39	43	134864	54.822	ug/l	99
38) Carbon Tetrachloride	5.14	117	83382	48.216	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	94447	47.826	ug/l	98
40) Benzene	5.39	78	267995	48.512	ug/l	100
41) Methacrylonitrile	4.54	41	76779	60.096	ug/l	98
42) 1,2-Dichloroethane	5.40	62	106533	51.042	ug/l	99
43) Isopropyl Acetate	5.55	43	206003	57.420	ug/l	99
44) Trichloroethene	6.19	130	57155	48.598	ug/l	95
45) 1,2-Dichloropropane	6.43	63	81082	51.511	ug/l	99
46) Dibromomethane	6.56	93	46354	48.760	ug/l	99
47) Bromodichloromethane	6.76	83	98695	51.343	ug/l	100
48) Methyl methacrylate	6.62	41	104981	53.686	ug/l	99
49) 1,4-Dioxane	6.61	88	35969	927.394	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	722116	299.270	ug/l	99
52) Toluene	7.64	92	163847	51.743	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	110065	53.292	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	118958	52.384	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	69079	51.484	ug/l	98
56) Ethyl methacrylate	8.02	69	119758	51.378	ug/l	98
57) 1,3-Dichloropropane	8.24	76	131121	52.542	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	338063	255.758	ug/l	100
59) 2-Hexanone	8.36	43	559442	296.191	ug/l	98
60) Dibromochloromethane	8.48	129	70726	53.739	ug/l	100
61) 1,2-Dibromoethane	8.59	107	72101	51.647	ug/l	99
64) Tetrachloroethene	8.23	164	48115	46.612	ug/l	99
65) Chlorobenzene	9.12	112	169641	47.760	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	63062	51.546	ug/l	98
67) Ethyl Benzene	9.25	91	305436	52.294	ug/l	99
68) m/p-Xylenes	9.38	106	226266	95.720	ug/l	99
69) o-Xylene	9.78	106	111931	54.087	ug/l	100
70) Styrene	9.79	104	185435	48.063	ug/l	99
71) Bromoform	9.96	173	51532	54.469	ug/l #	98
73) Isopropylbenzene	10.17	105	299761	53.439	ug/l	100
74) N-amyl acetate	10.02	43	192646	59.331	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	125641	48.716	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	113960m	50.870	ug/l	
77) Bromobenzene	10.45	156	69035	50.363	ug/l	96
78) n-propylbenzene	10.59	91	359191	54.118	ug/l	100
79) 2-Chlorotoluene	10.66	91	215254	51.632	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	248533	53.674	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	33143m	47.345	ug/l	
82) 4-Chlorotoluene	10.77	91	248766	53.216	ug/l	99
83) tert-Butylbenzene	11.10	119	240241	52.478	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	253347	53.763	ug/l	99
85) sec-Butylbenzene	11.32	105	304231	54.441	ug/l	99
86) p-Isopropyltoluene	11.48	119	256863	49.004	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	125792	49.314	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	130394	46.903	ug/l	98
89) n-Butylbenzene	11.89	91	240194	47.385	ug/l	99
90) Hexachloroethane	12.15	117	49244	48.459	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	127973	47.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29933	56.892	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	83624	53.555	ug/l	99
94) Hexachlorobutadiene	13.69	225	40511	49.034	ug/l	99
95) Naphthalene	13.74	128	312487	51.145	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	89302	53.331	ug/l	99

(#) = 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: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 79372

Ion Ratio Lower Upper

168 100

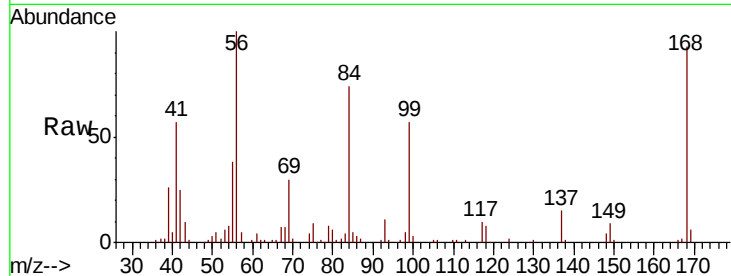
99 59.3 48.1 72.1

Manual Integrations

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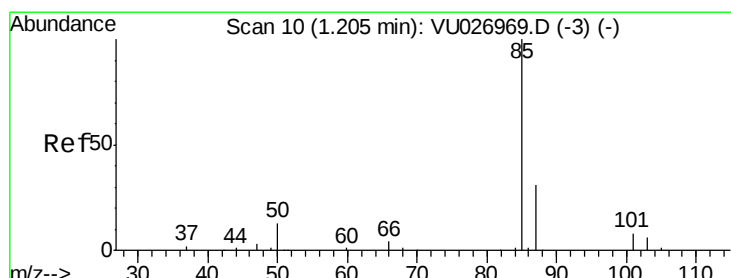
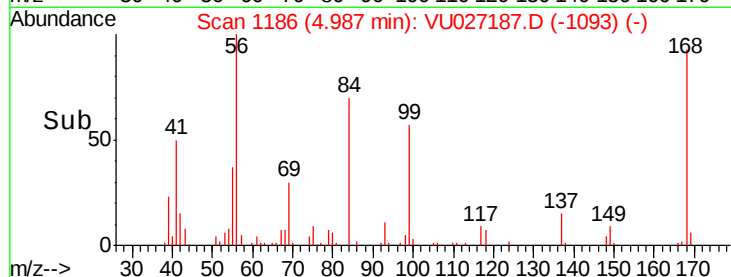
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 41.856 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027187.D

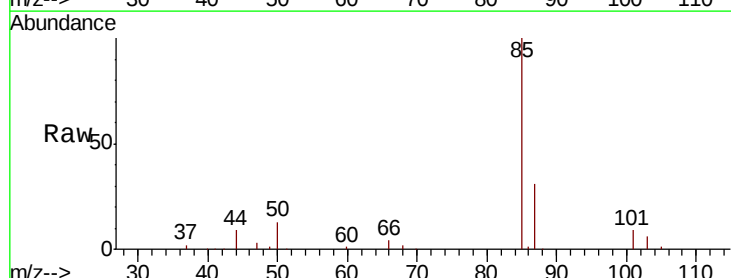
Acq: 26 Sep 2018 18:57

Tgt Ion: 85 Resp: 43376

Ion Ratio Lower Upper

85 100

87 31.0 15.6 46.7



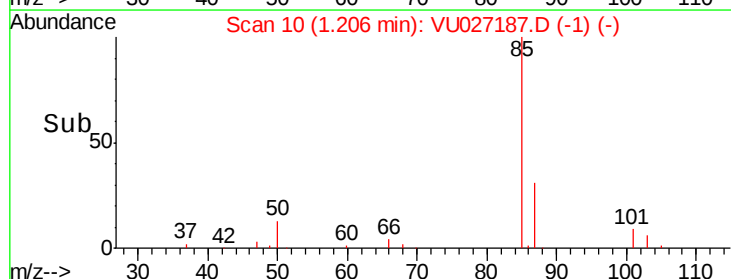
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

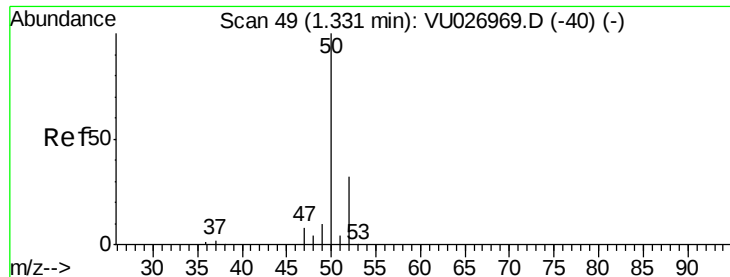
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 39.628 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 70804

Ion Ratio Lower Upper

50 100

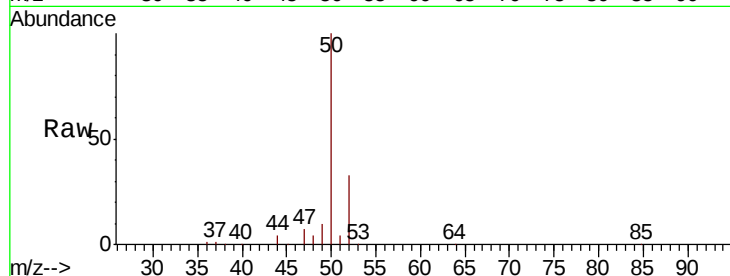
52 32.6 25.9 38.9

Manual Integrations

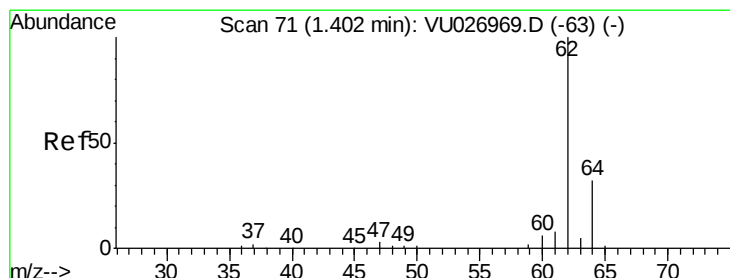
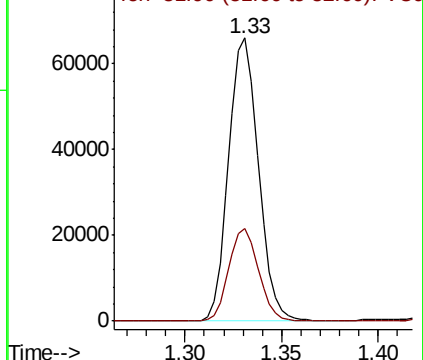
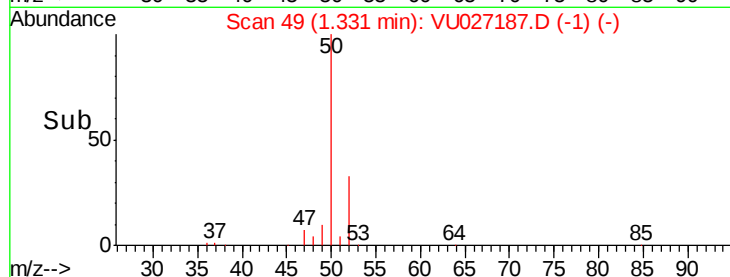
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Abundance Ion 49.90 (49.60 to 50.60): VU027187.D (-1) (-)



#4

Vinyl Chloride

Concen: 44.135 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027187.D

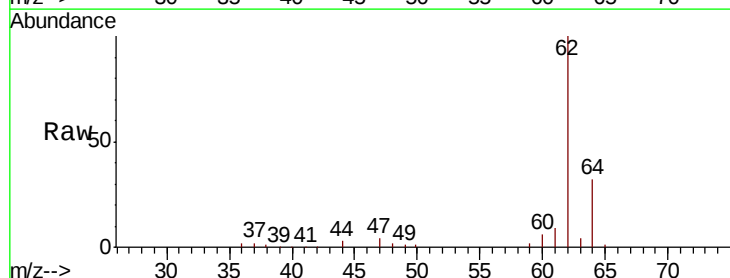
Acq: 26 Sep 2018 18:57

Tgt Ion: 62 Resp: 73608

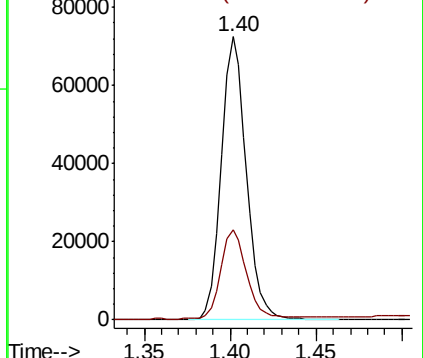
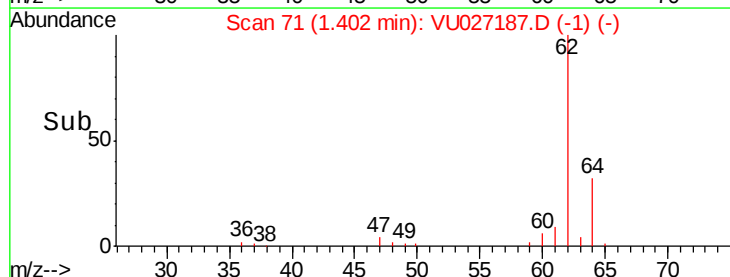
Ion Ratio Lower Upper

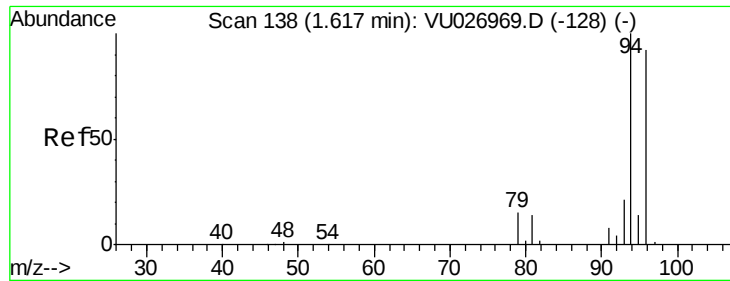
62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU027187.D (-1) (-)





#5

Bromomethane

Concen: 31.532 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 29948

Ion Ratio Lower Upper

94 100

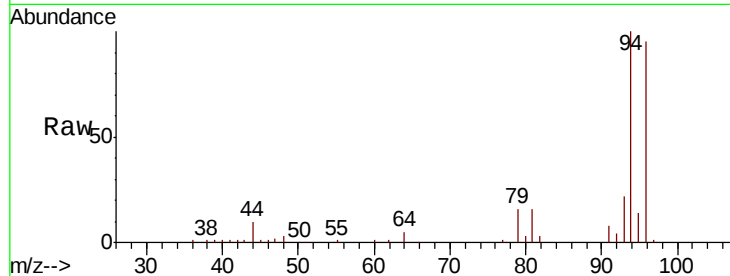
96 95.1 73.2 109.8

Manual Integrations

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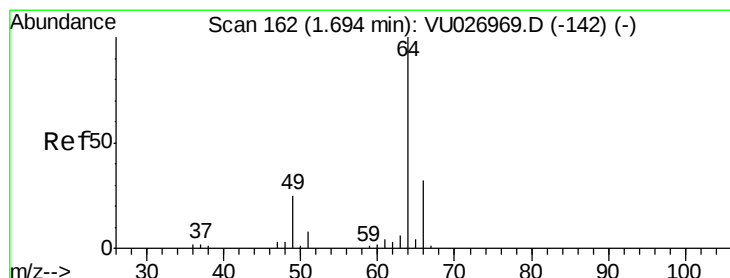
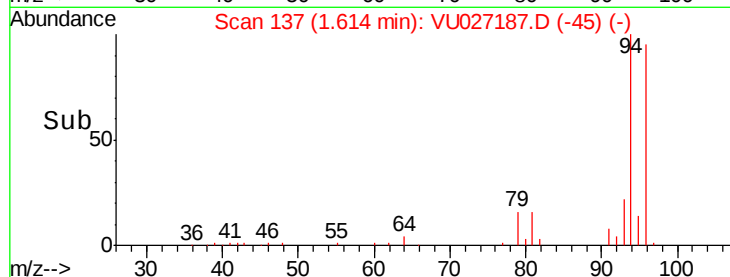
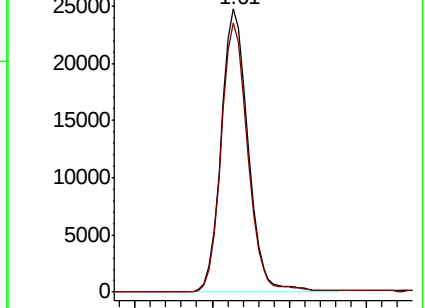
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 45.793 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027187.D

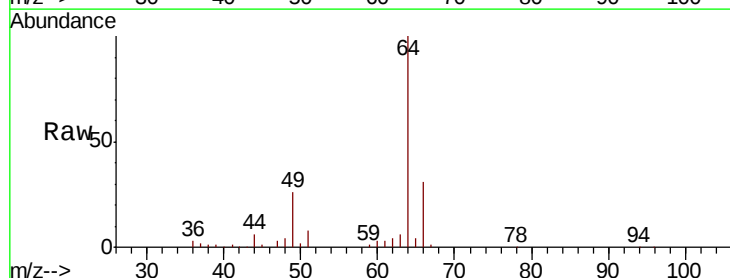
Acq: 26 Sep 2018 18:57

Tgt Ion: 64 Resp: 48798

Ion Ratio Lower Upper

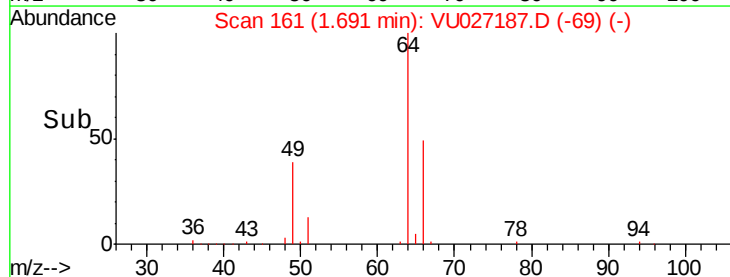
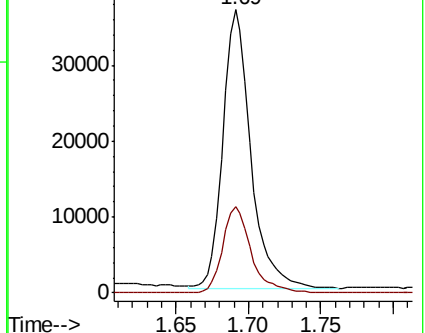
64 100

66 31.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

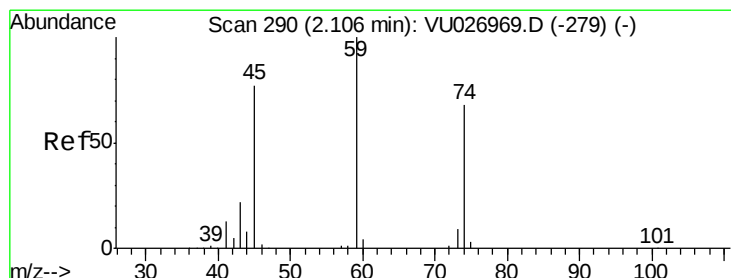
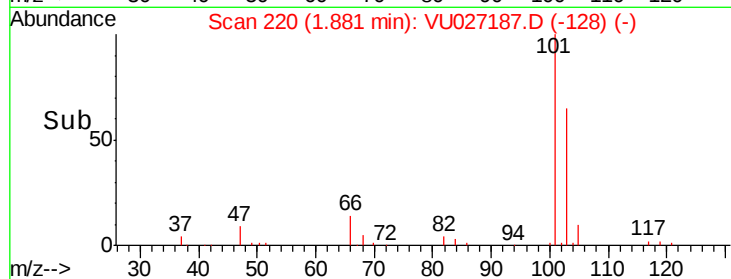
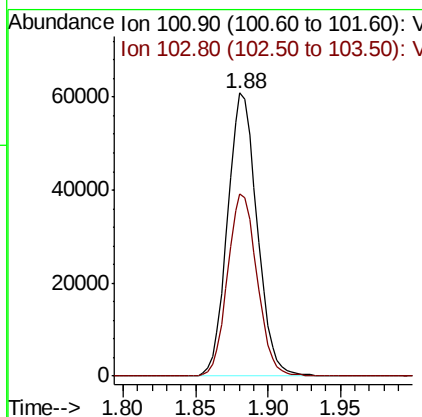
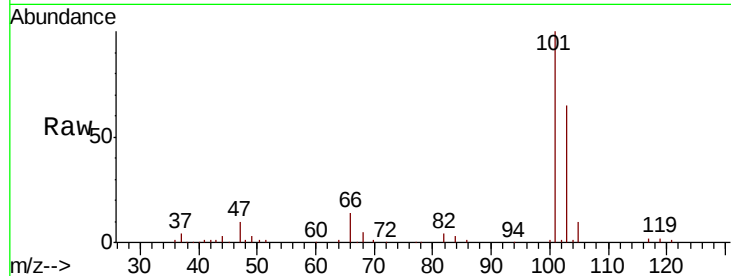
Trichlorofluoromethane
Concen: 45.573 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

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VSTDCCC050EC

Tot Ion:101 Resp: 86325
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.2

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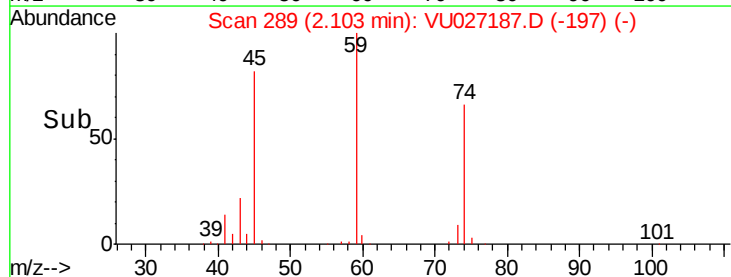
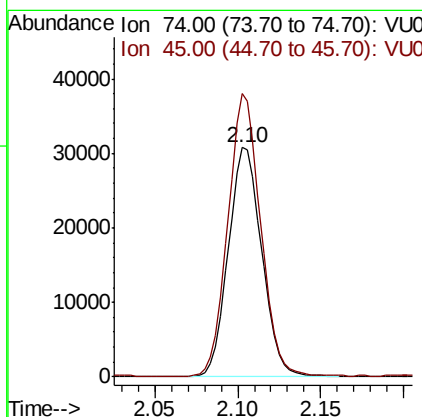
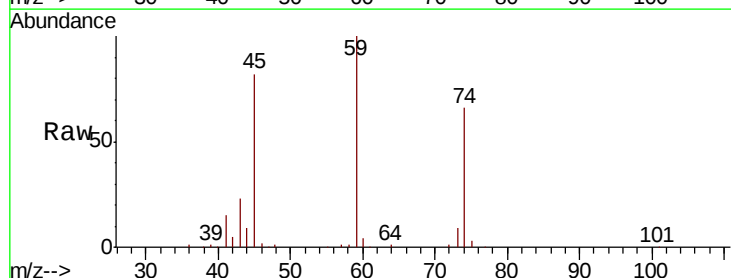
MMDadoda
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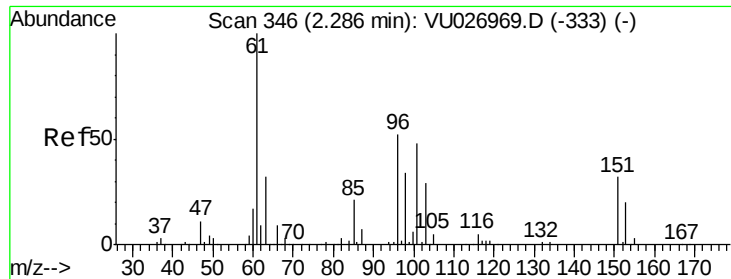


#8

Diethyl Ether
Concen: 47.438 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion: 74 Resp: 43252
Ion Ratio Lower Upper
74 100
45 121.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.482 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

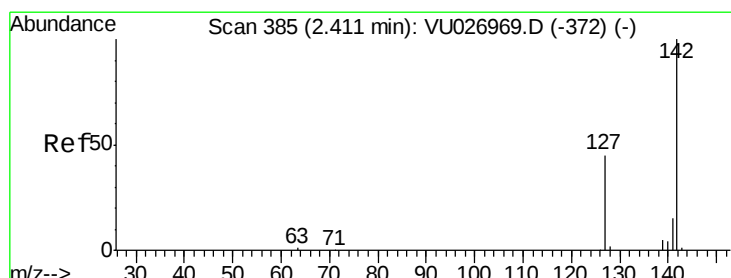
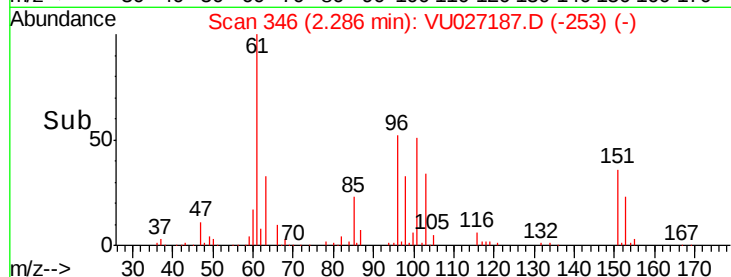
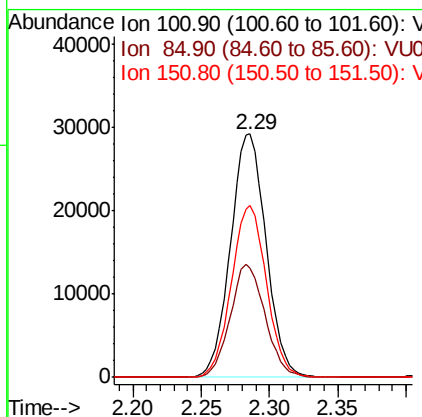
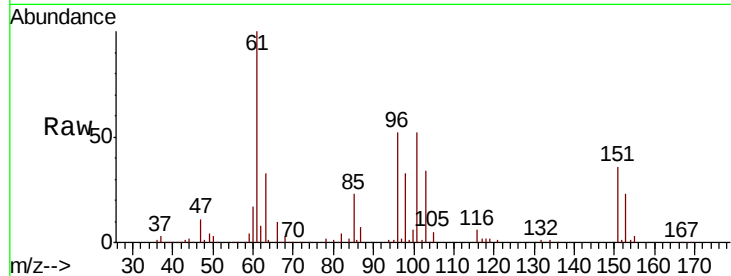
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	52973
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.2	54.2
151	69.6	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 21.171 ug/l

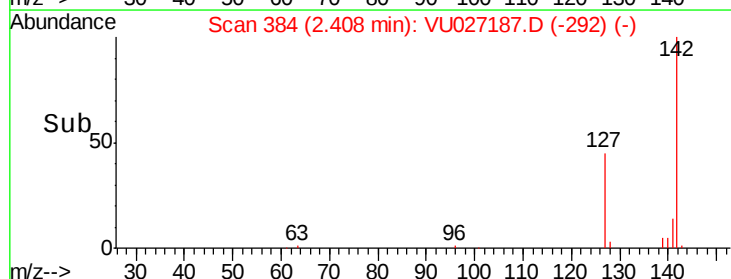
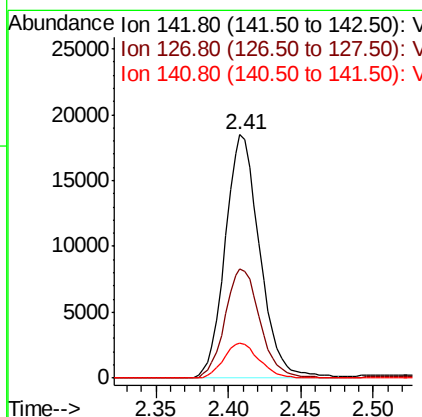
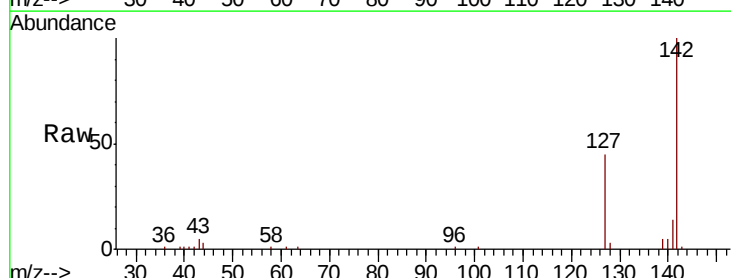
RT: 2.41 min Scan# 384

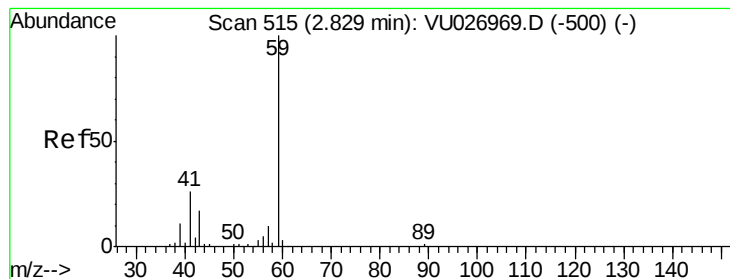
Delta R.T. -0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Tgt Ion:	142	Resp:	30581
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.7	55.1
141	14.5	11.8	17.6





#11

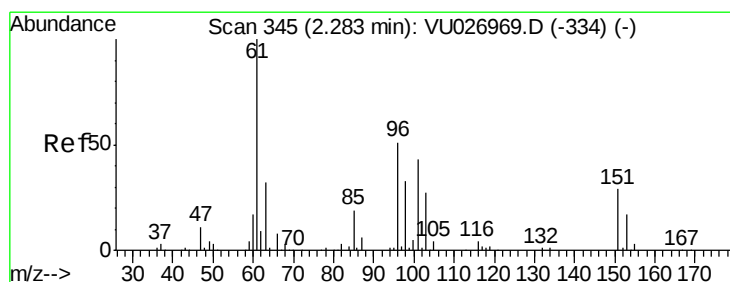
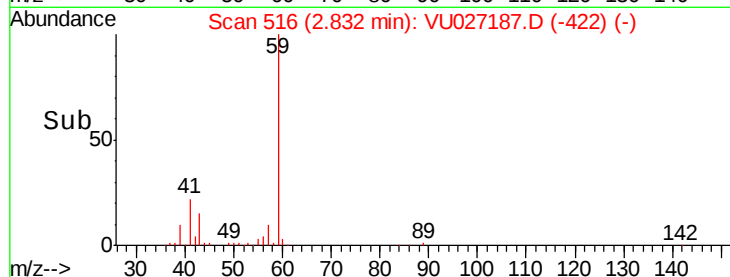
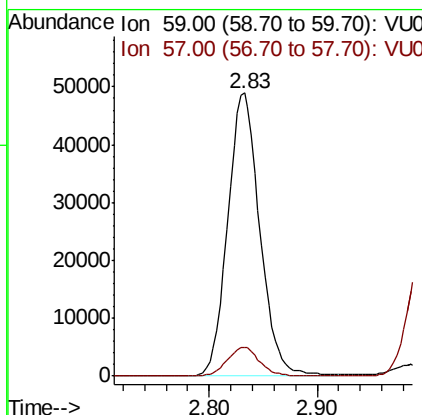
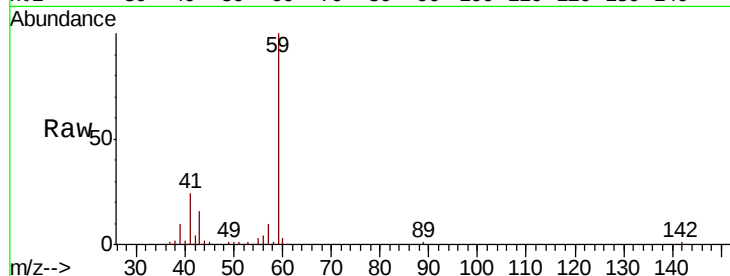
Tert butyl alcohol
Concen: 277.591 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	101642
Ion Ratio	100	Lower	Upper
57	10.2	8.5	12.7

Manual Integrations
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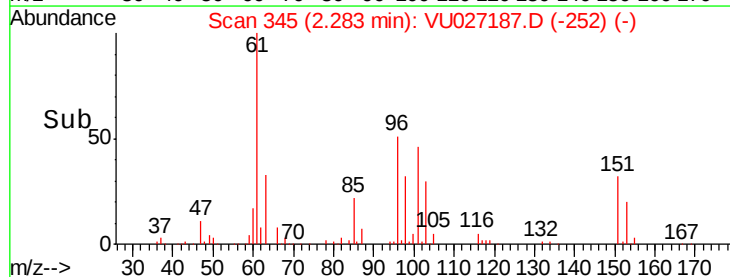
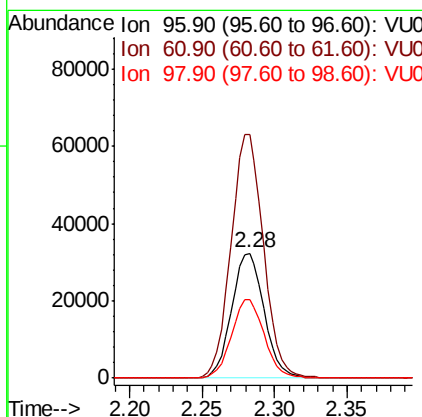
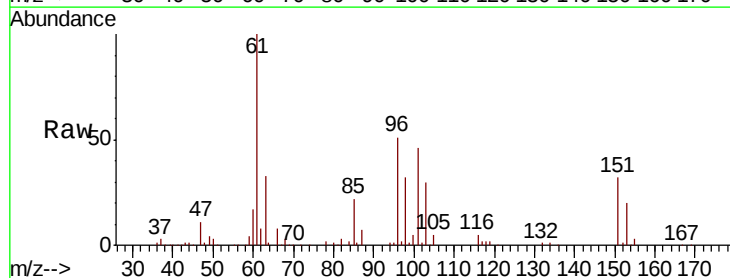
MMDadoda
9/27/2018 3:33:22 PM

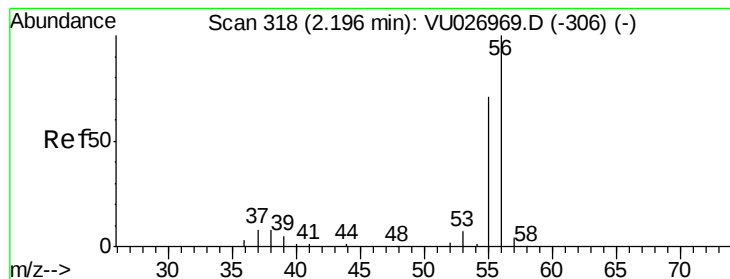


#12

1,1-Dichloroethene
Concen: 45.545 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	96	Resp	49929
Ion Ratio	100	Lower	Upper
61	194.8	156.1	234.1
98	62.6	51.4	77.0





#13

Acrolein

Concen: 228.085 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45020

Ion Ratio Lower Upper

56 100

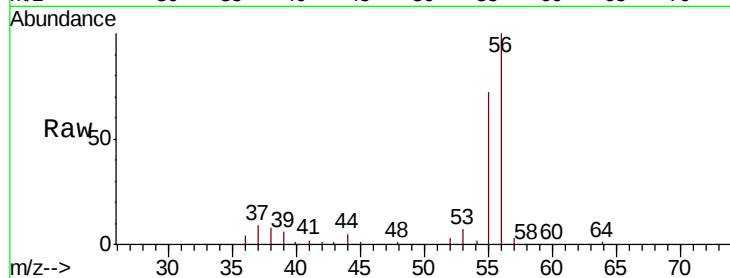
55 72.0 57.1 85.7

Manual Integrations

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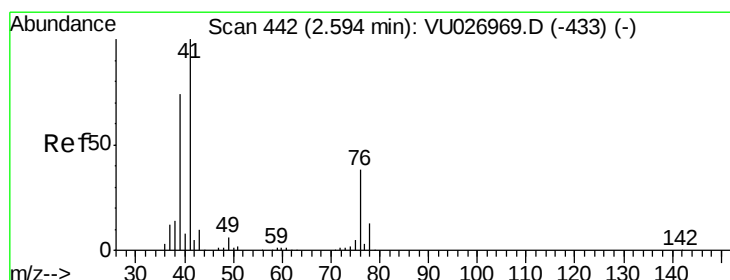
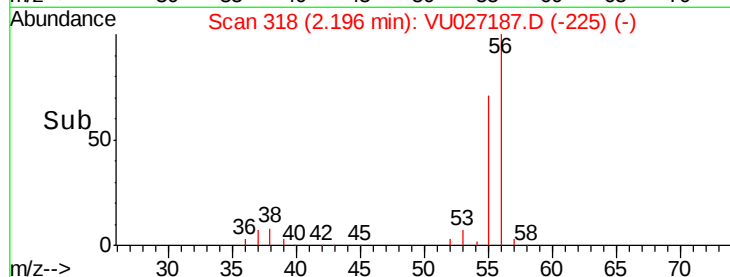
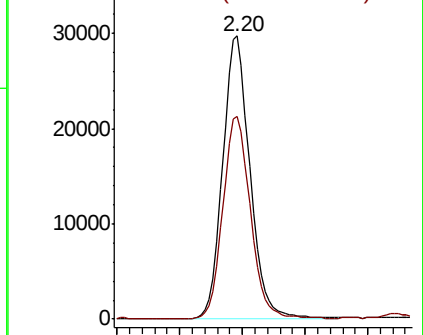
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 53.369 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

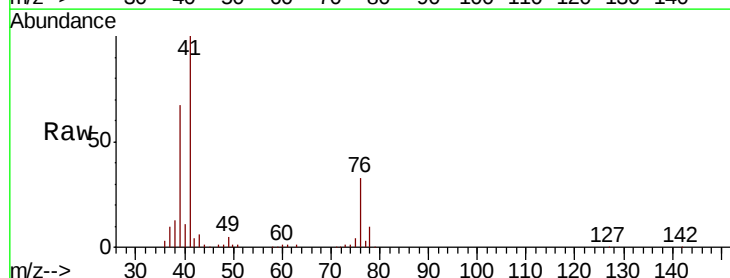
Tgt Ion: 41 Resp: 118662

Ion Ratio Lower Upper

41 100

39 66.7 55.7 83.5

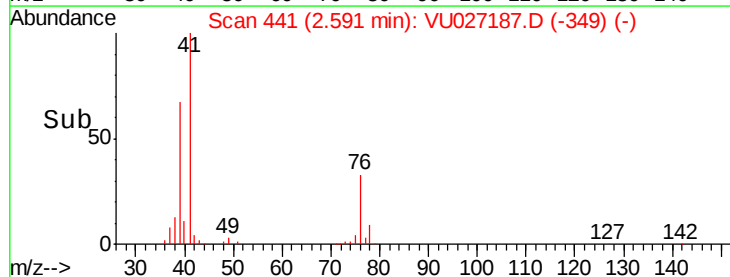
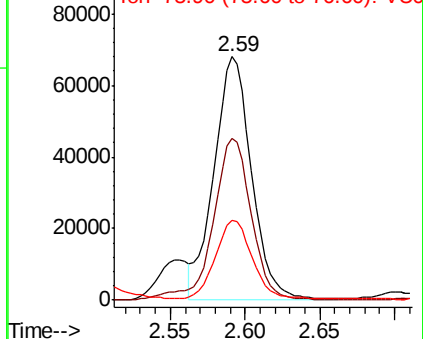
76 32.0 26.5 39.7

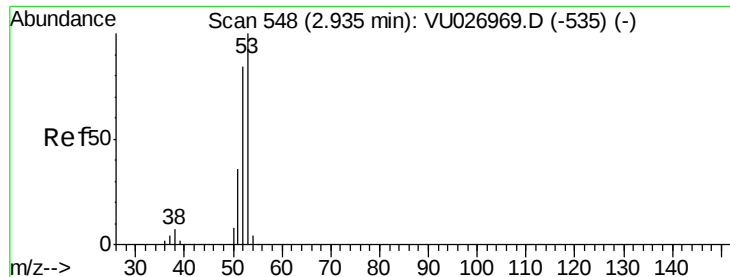


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 279.776 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

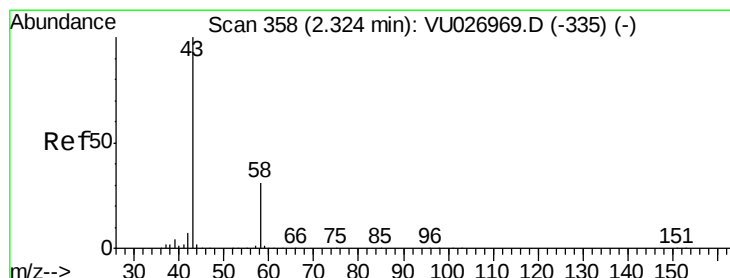
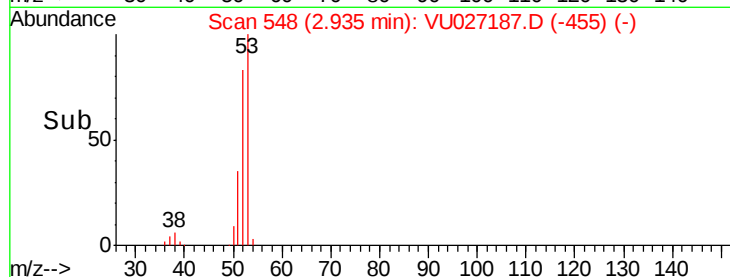
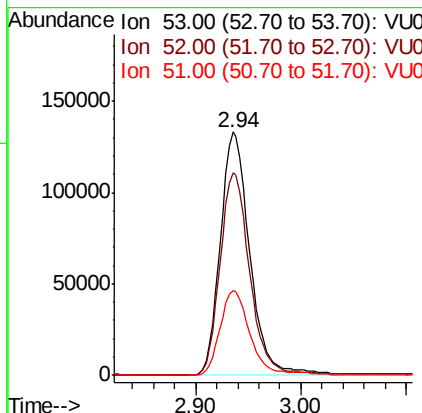
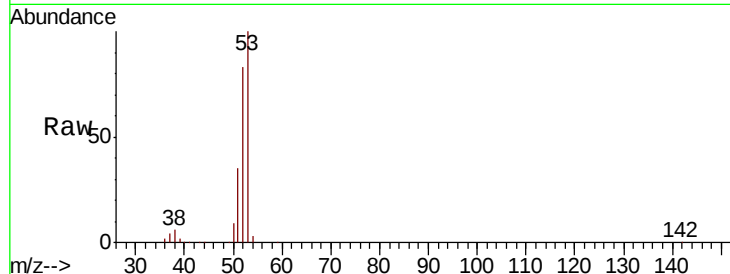
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	258193
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.7	98.5
51	36.0	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 267.968 ug/l

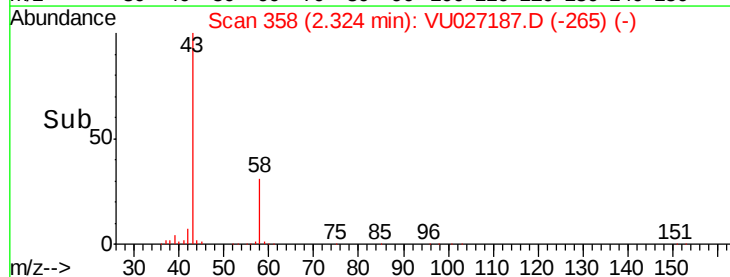
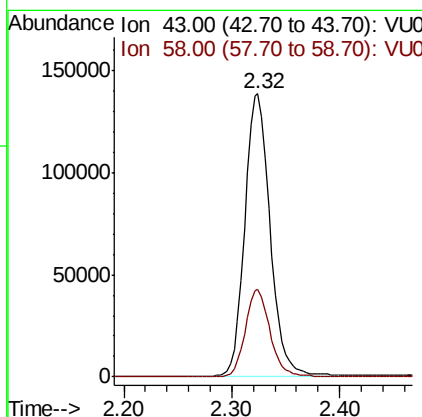
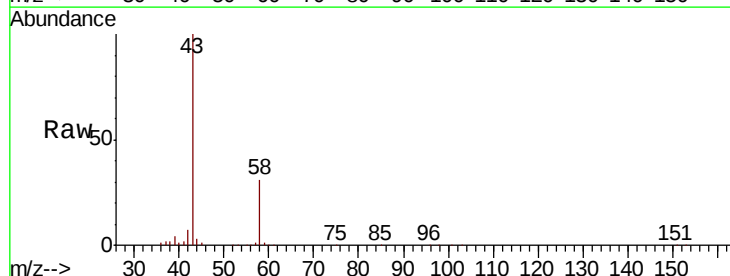
RT: 2.32 min Scan# 358

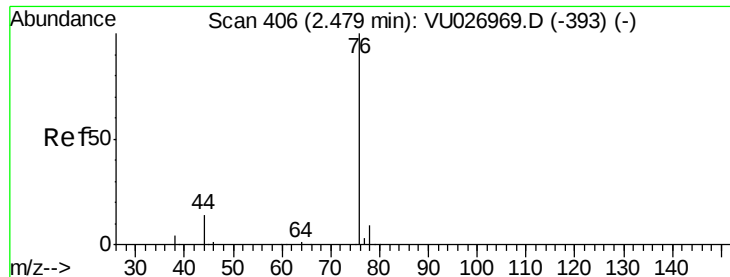
Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Tgt Ion:	43	Resp:	226379
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	36.8





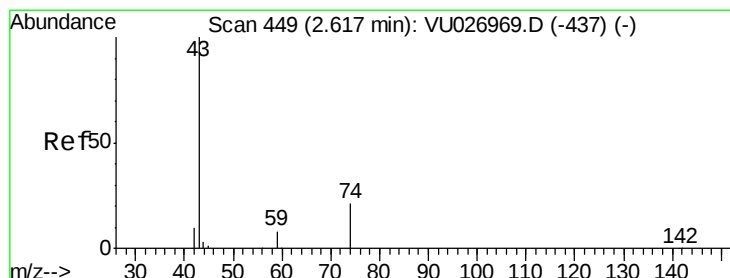
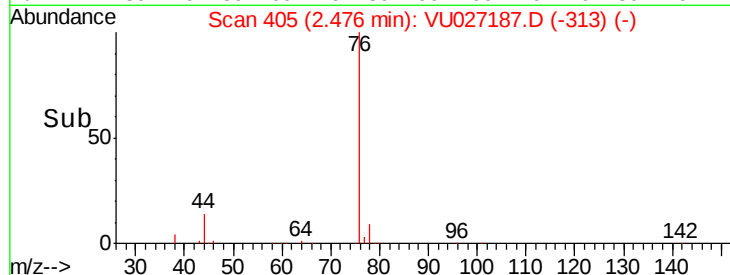
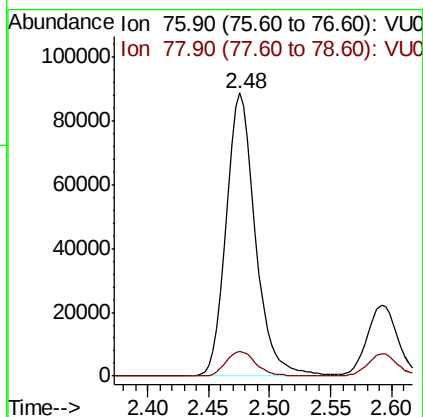
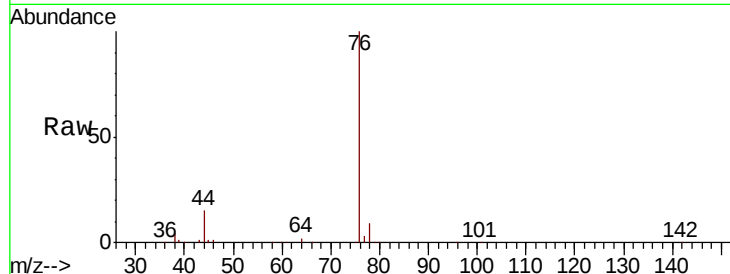
#17
Carbon Disulfide
Concen: 41.823 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

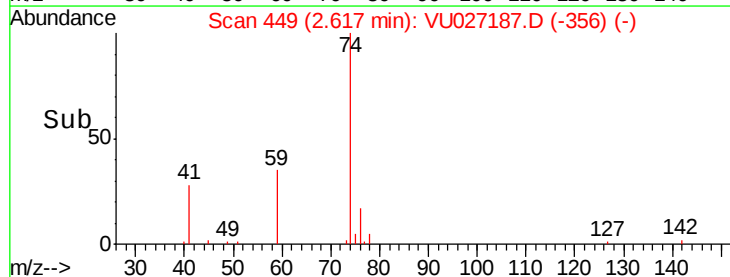
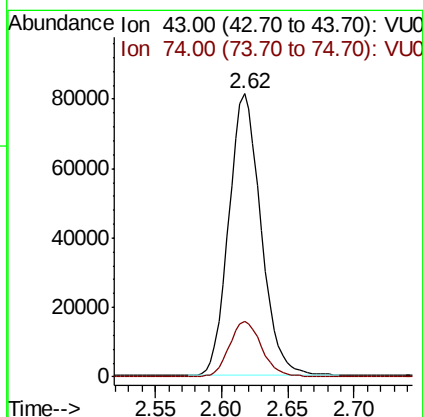
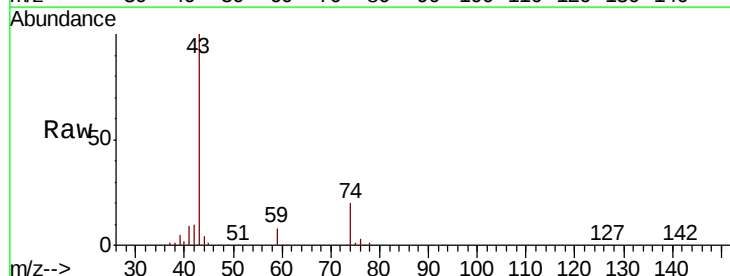
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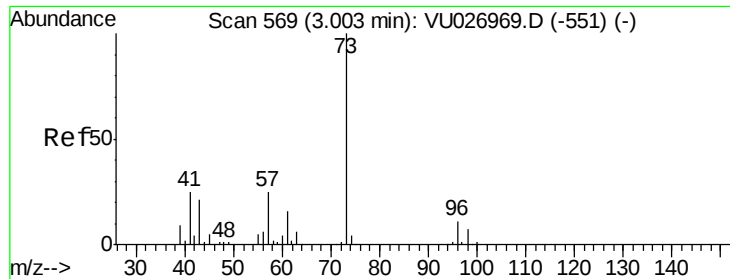
MMDadoda
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#18
Methyl Acetate
Concen: 60.244 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.6	25.0





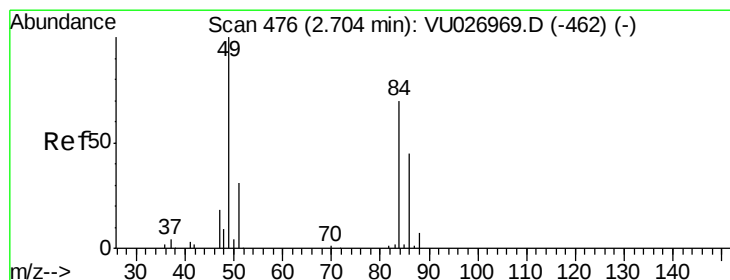
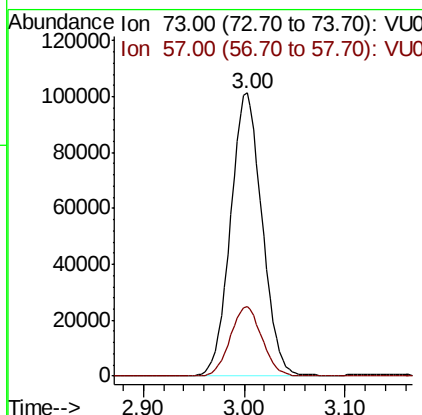
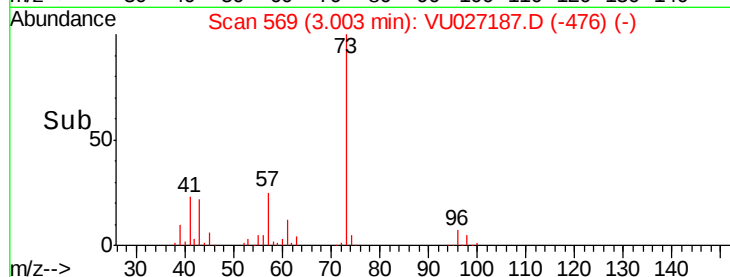
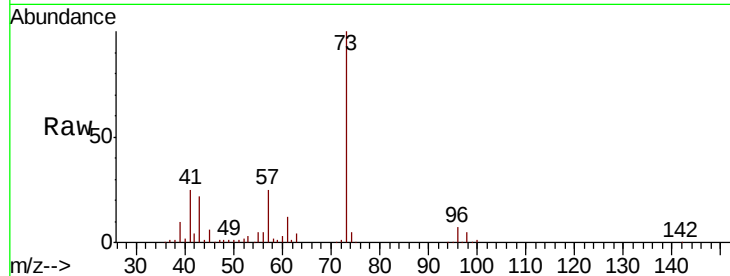
#19
Methyl tert-butyl Ether
Concen: 54.632 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.8	29.6

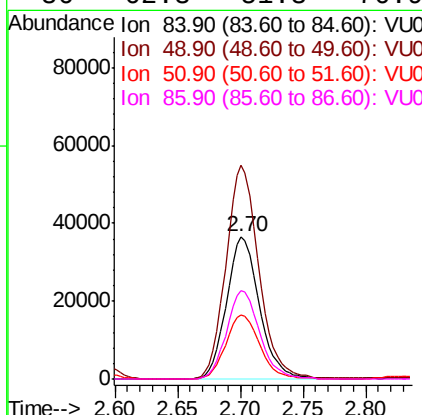
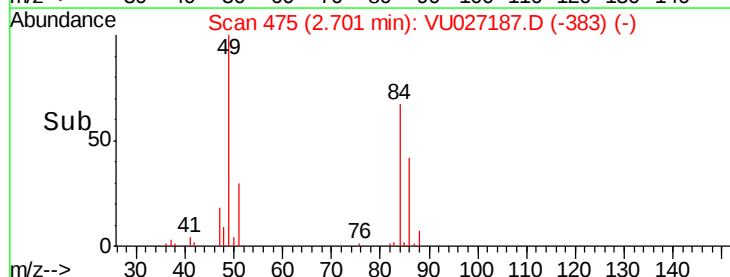
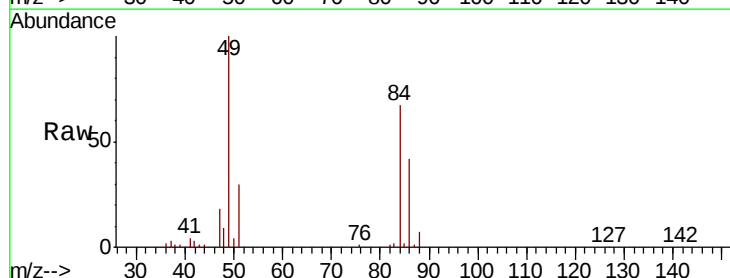
Manual Integrations
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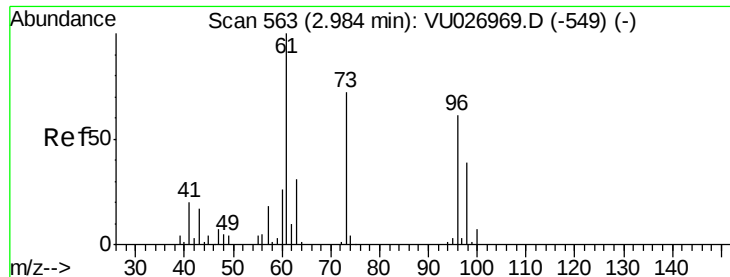
MMDadoda
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#20
Methylene Chloride
Concen: 46.574 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.7	114.9	172.3
51	44.9	35.8	53.8
86	62.3	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 47.430 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 55513

Ion Ratio Lower Upper

96 100

61 165.7 131.8 197.6

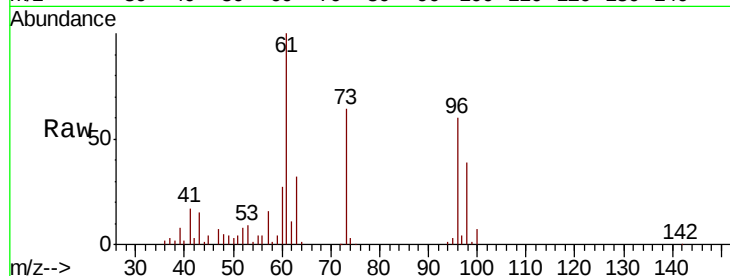
98 64.4 50.9 76.3

Manual Integrations

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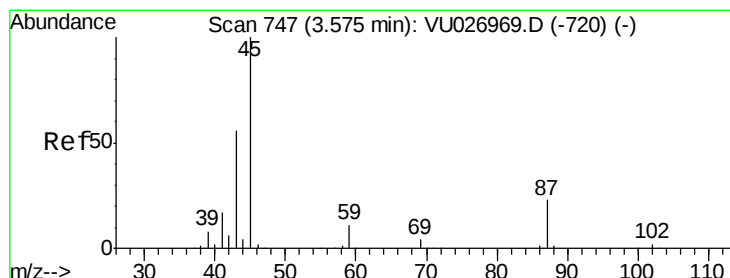
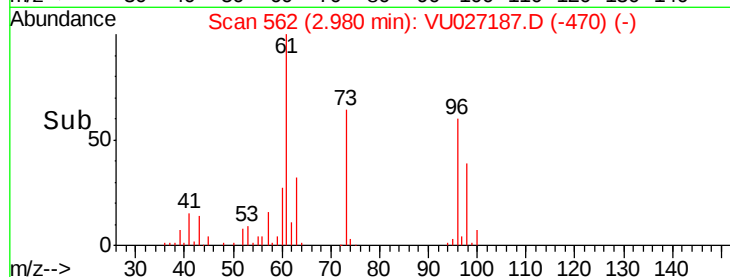
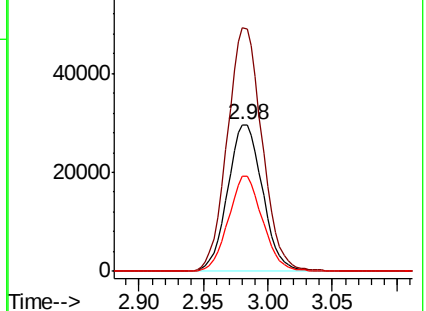
9/27/2018 3:33:22 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)



#22

Diisopropyl ether

Concen: 57.399 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Tgt Ion: 45 Resp: 272975

Ion Ratio Lower Upper

45 100

43 55.4 45.8 68.6

87 21.4 18.6 28.0

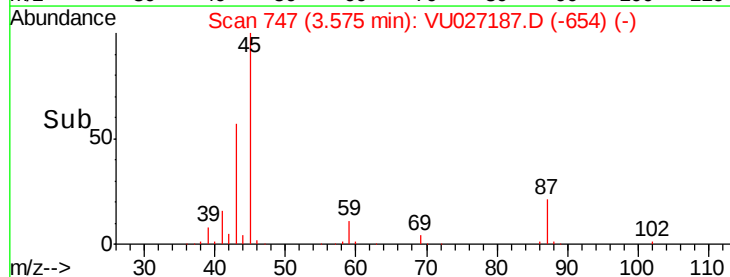
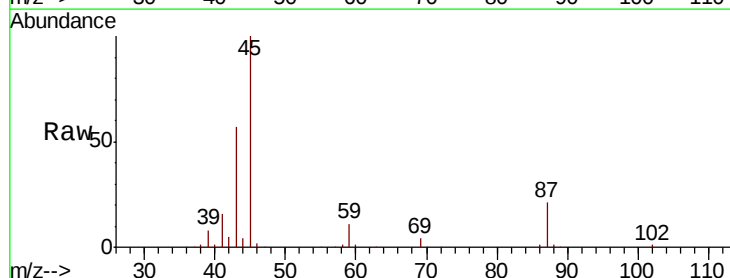
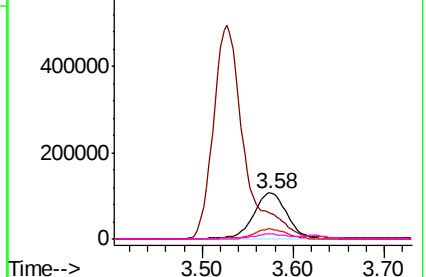
59 11.1 9.0 13.4

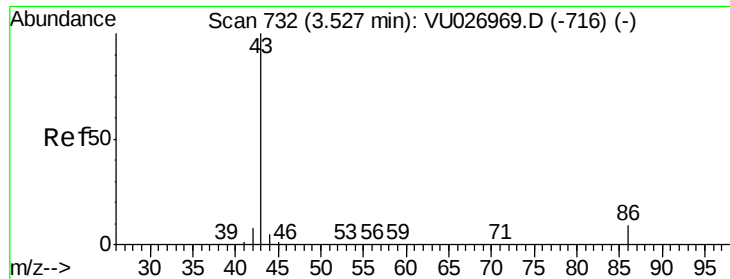
Abundance Ion 45.00 (44.70 to 45.70): VU026969.D (-720) (-)

Ion 43.00 (42.70 to 43.70): VU026969.D (-720) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-720) (-)

Ion 59.00 (58.70 to 59.70): VU026969.D (-720) (-)





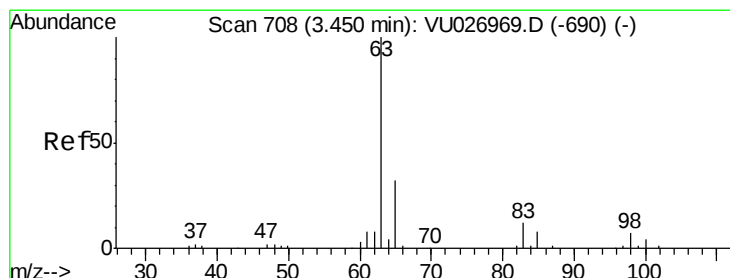
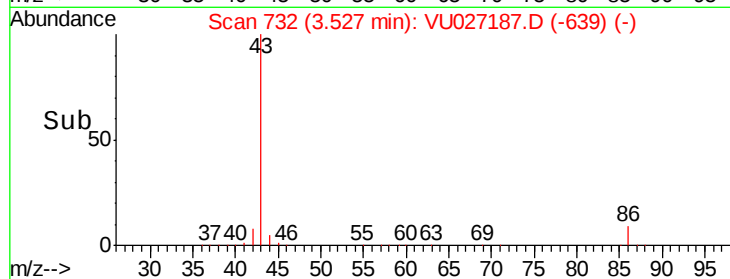
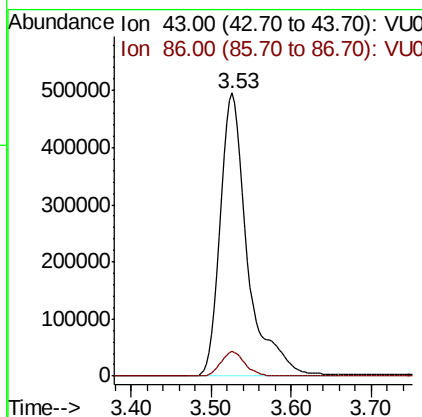
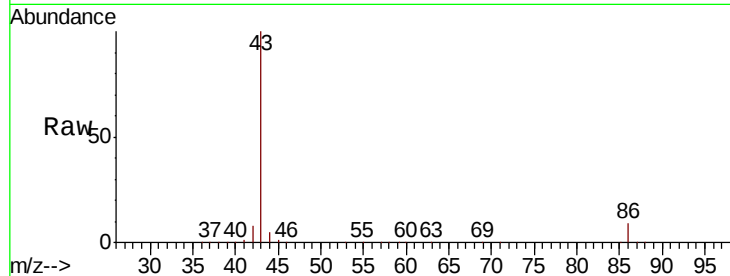
#23
 Vinyl Acetate
 Concen: 289.657 ug/l
 RT: 3.53 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1174241
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.2 10.8

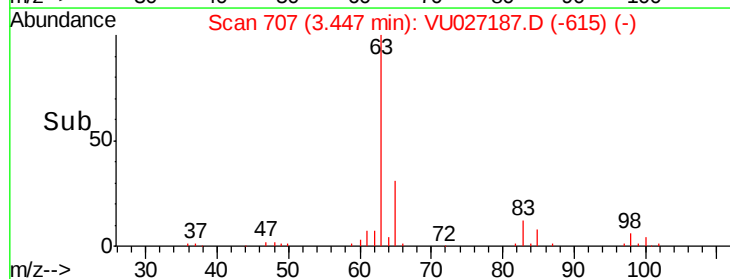
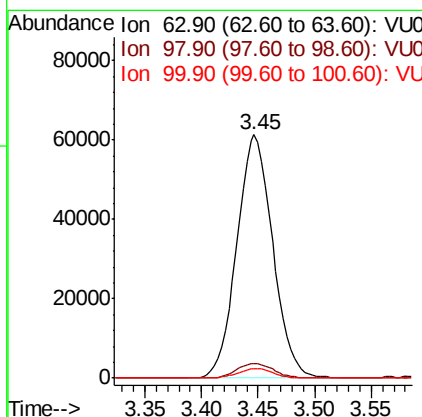
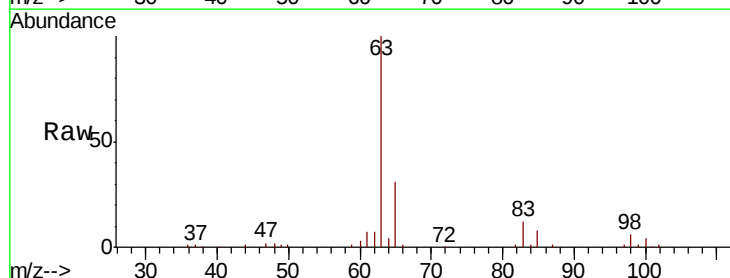
Manual Integrations
 APPROVED

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#24
 1,1-Dichloroethane
 Concen: 51.802 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Tgt Ion: 63 Resp: 135684
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.3 9.8
 100 3.8 2.0 5.8





#25

2-Butanone

Concen: 279.471 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 375193

Ion Ratio Lower Upper

43 100

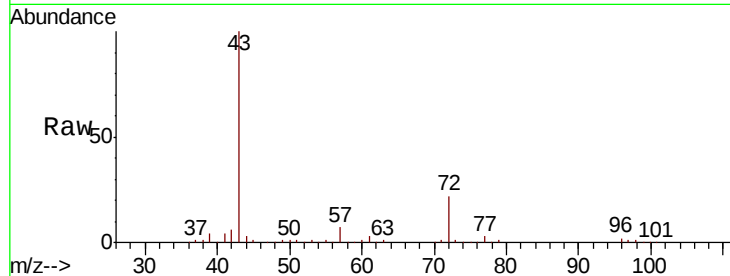
72 21.6 18.4 27.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

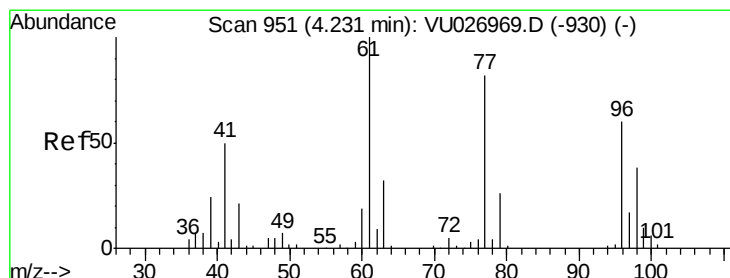
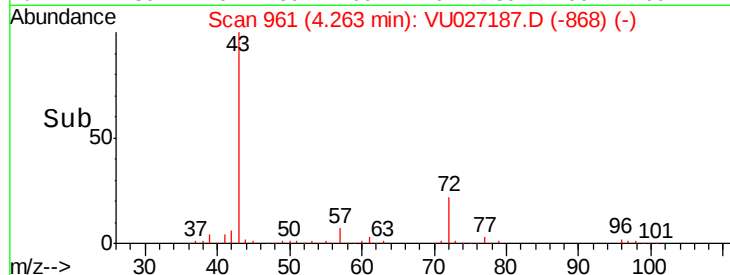
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 41.615 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027187.D

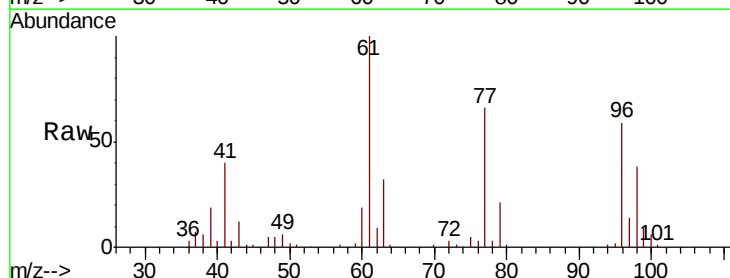
Acq: 26 Sep 2018 18:57

Tgt Ion: 77 Resp: 85007

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

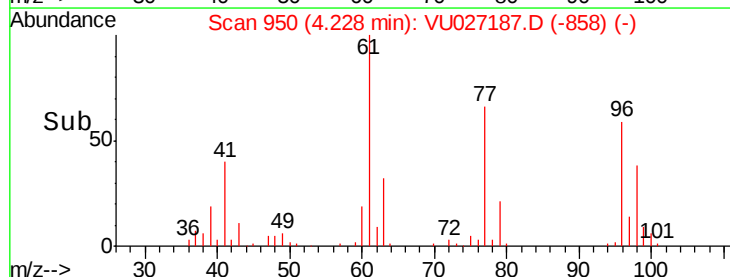
30000

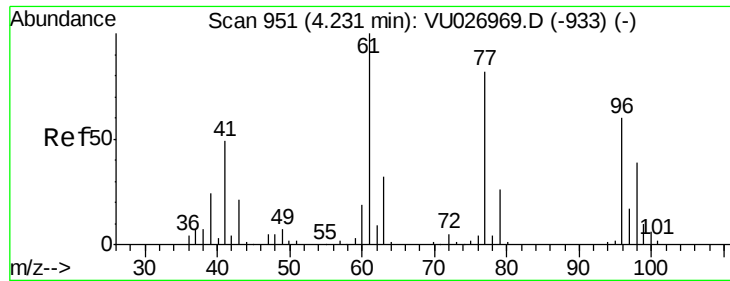
20000

10000

0

Time-->





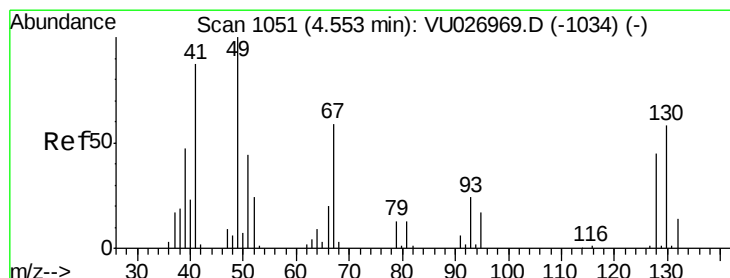
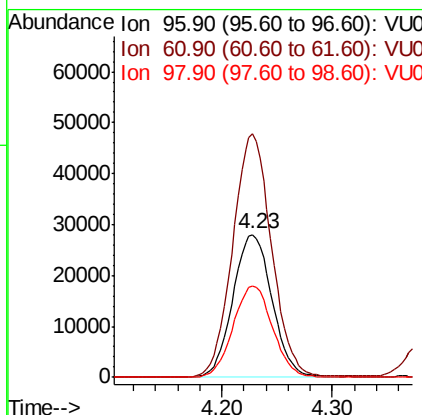
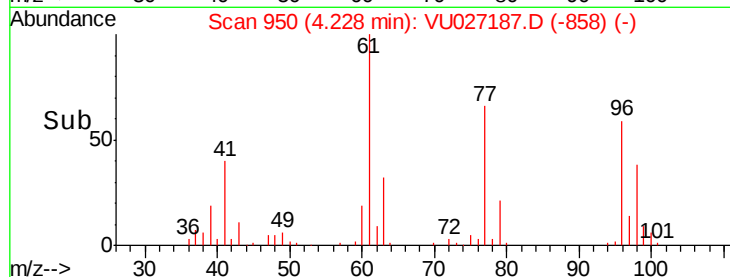
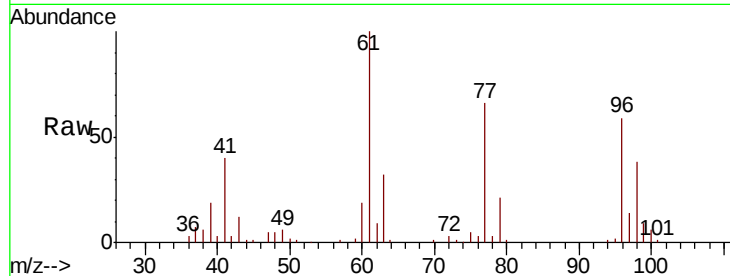
#27
 cis-1,2-Dichloroethene
 Concen: 52.206 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.6	0.0	337.2
98	64.3	0.0	127.6

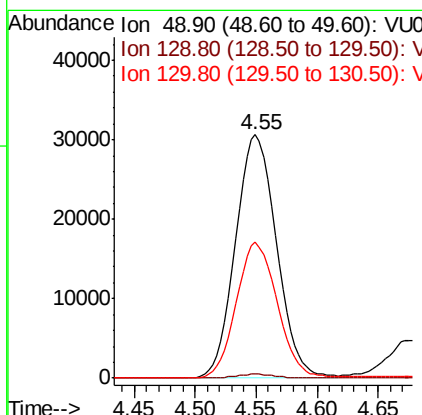
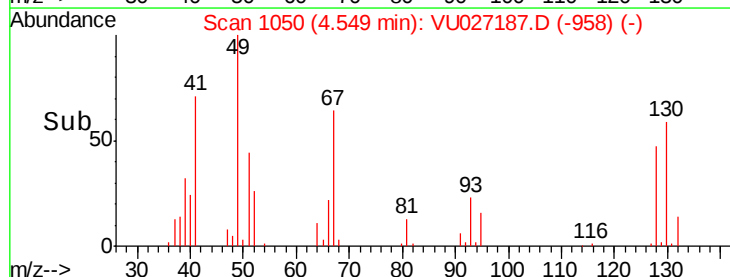
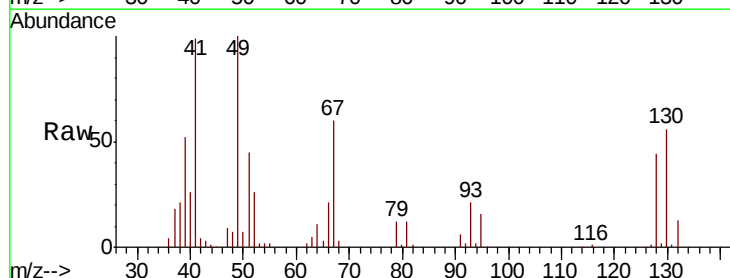
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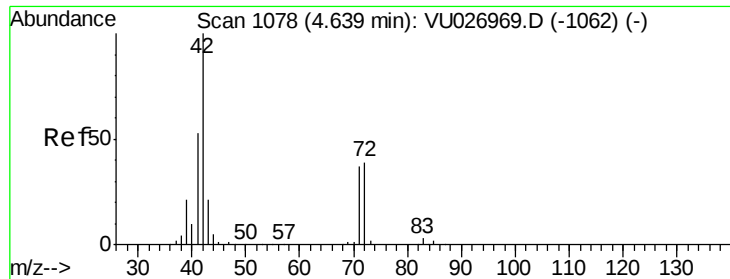
MMDadoda
 9/27/2018 3:33:22 PM



#28
 Bromochloromethane
 Concen: 56.626 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	55.9	47.8	71.8





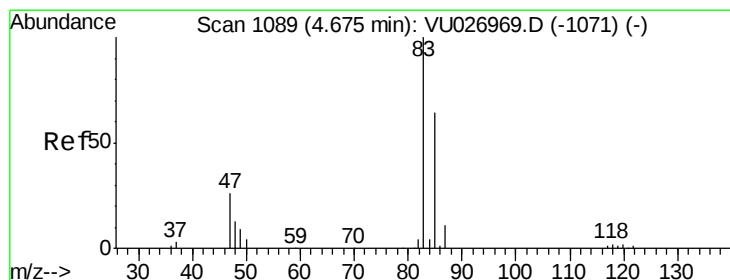
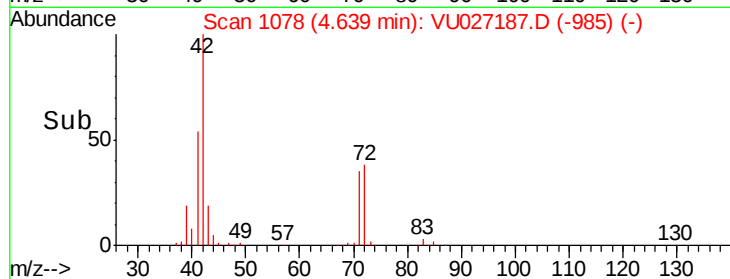
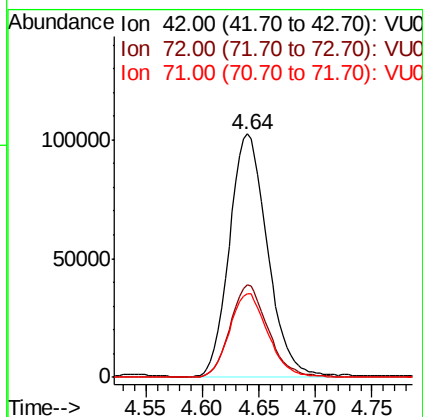
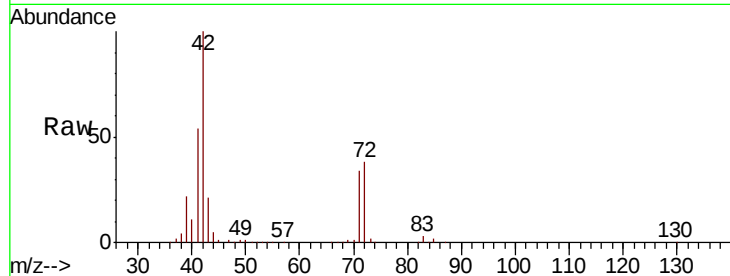
#29
Tetrahydrofuran
Concen: 295.104 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.7	47.5
71	35.0	29.6	44.4

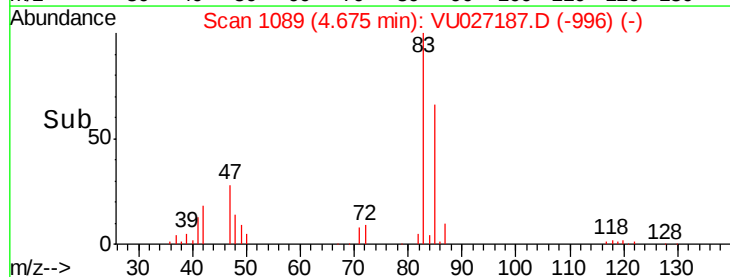
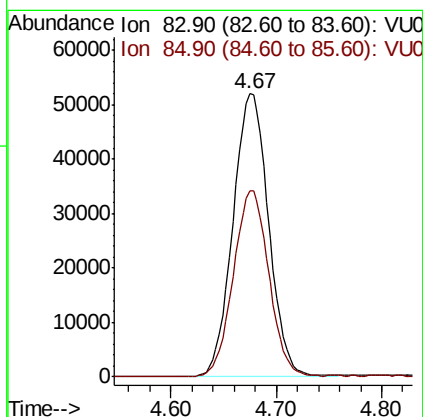
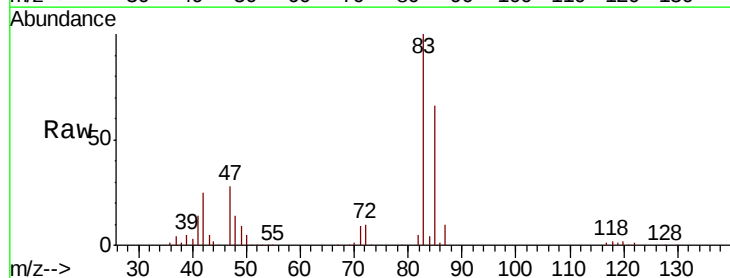
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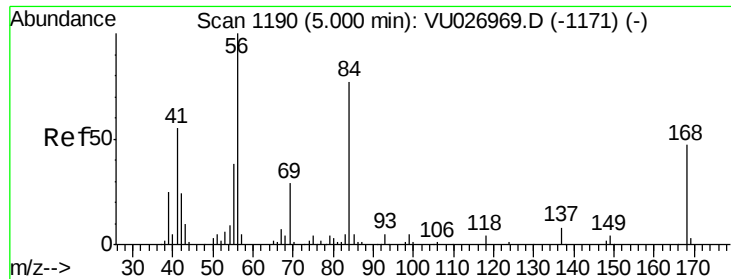
MMDadoda
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#30
Chloroform
Concen: 50.278 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.5	77.3





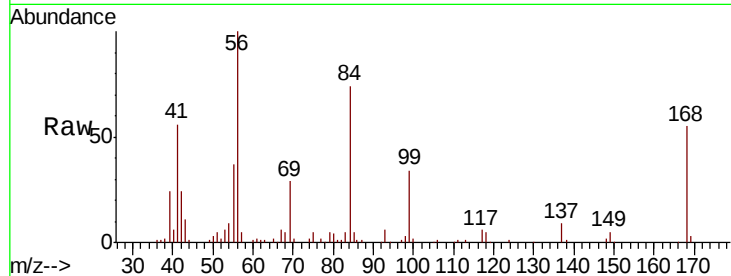
#31
Cyclohexane
Concen: 47.927 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

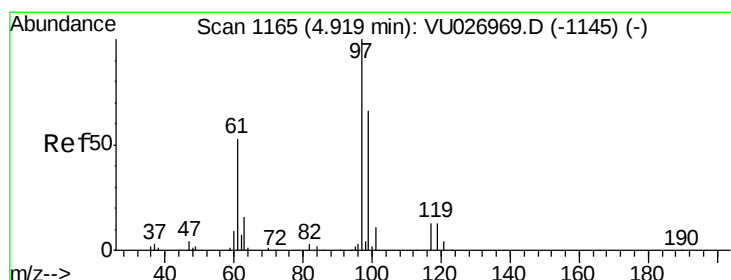
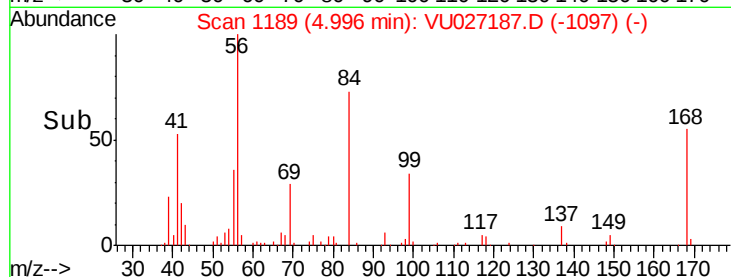
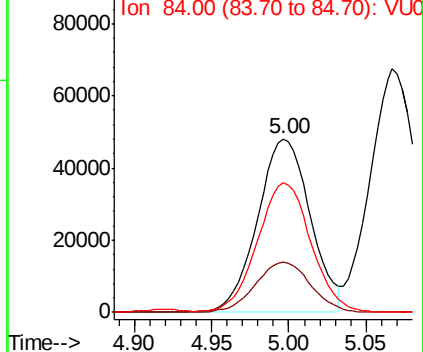
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.0	34.4
84	73.7	61.4	92.2

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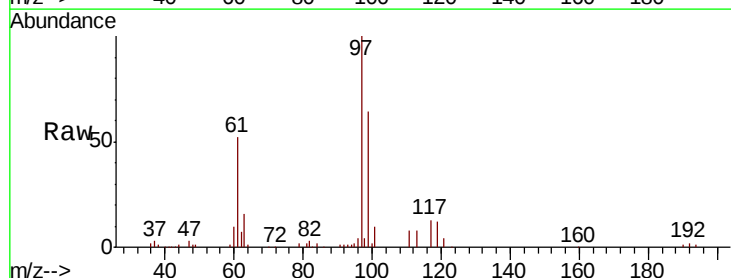


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

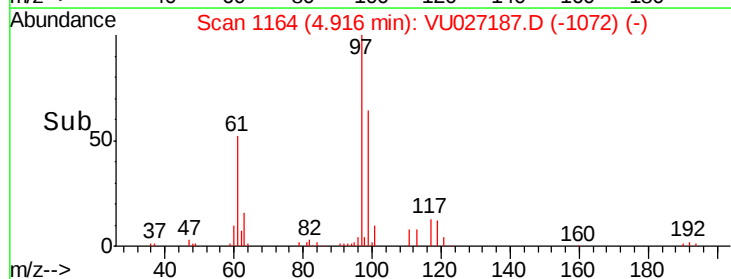
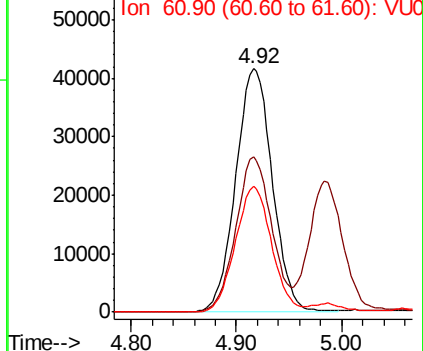


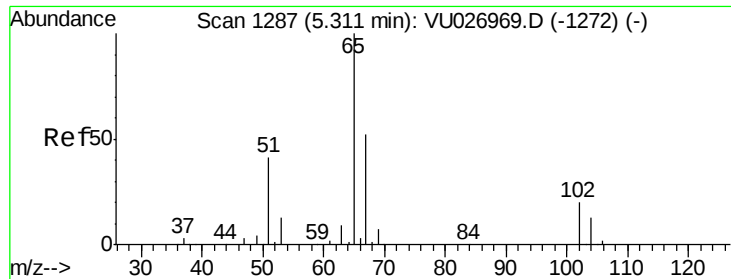
#32
1,1,1-Trichloroethane
Concen: 51.904 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.8	77.6
61	51.1	41.1	61.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





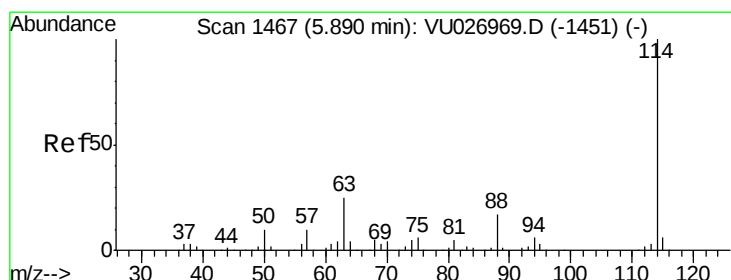
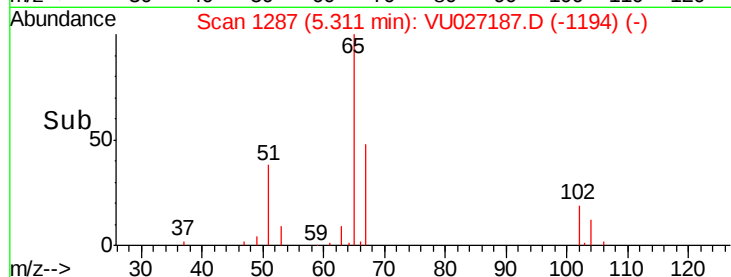
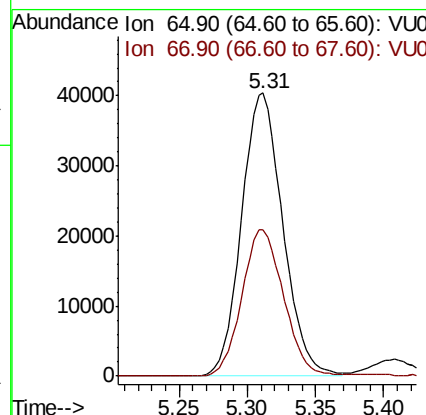
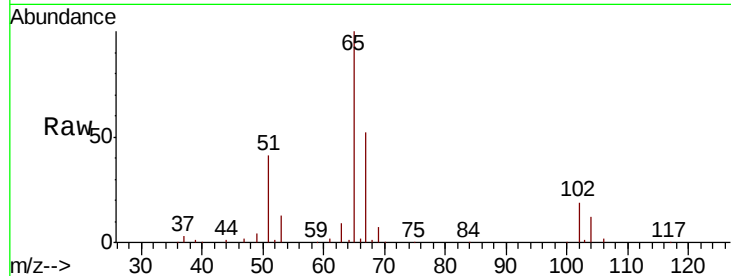
#33
 1,2-Dichloroethane-d4
 Concen: 53.073 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	105.6

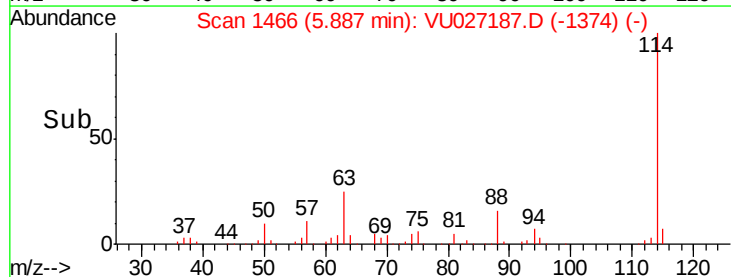
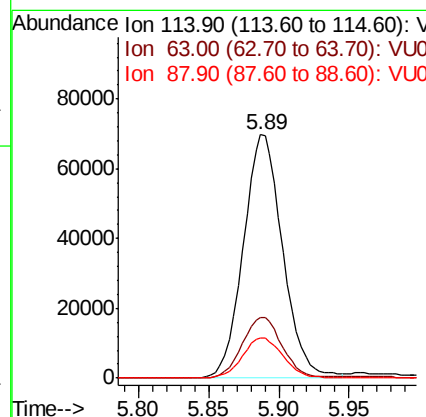
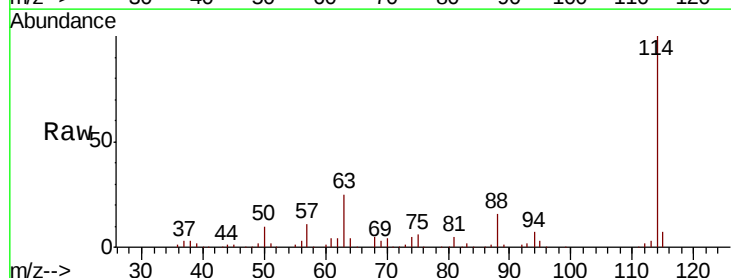
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	16.4	0.0	33.8





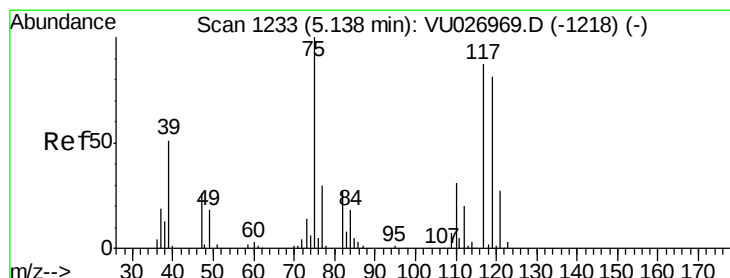
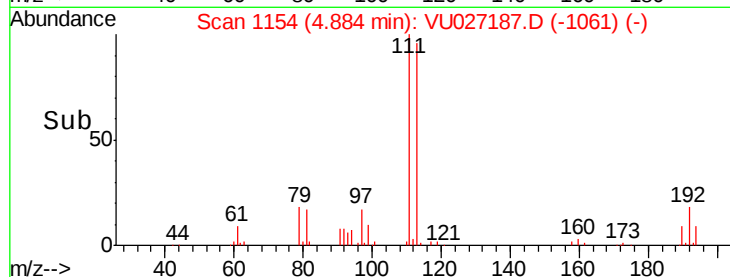
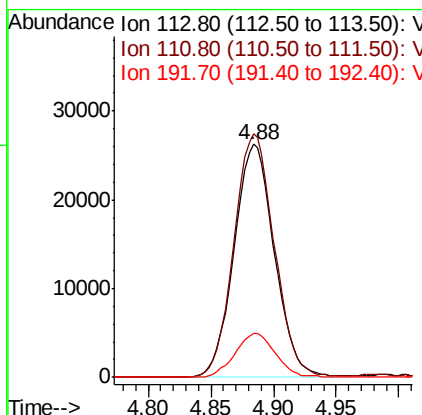
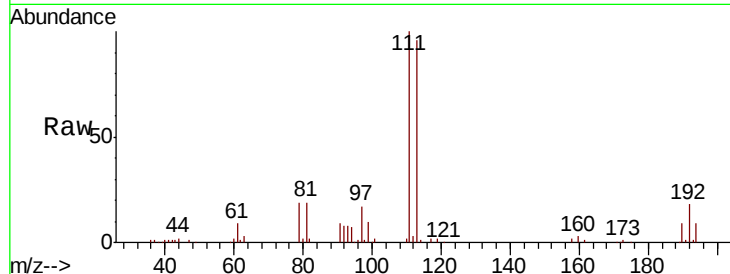
#35
 Dibromofluoromethane
 Concen: 49.792 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.2	123.4
192	18.9	15.2	22.8

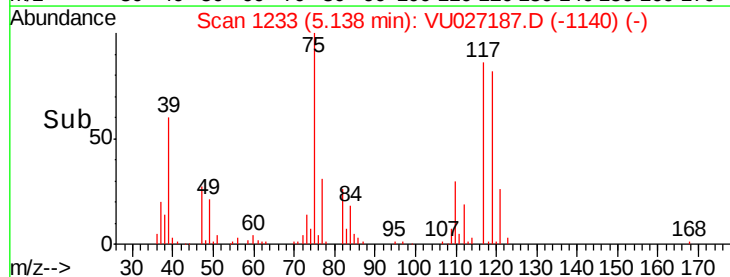
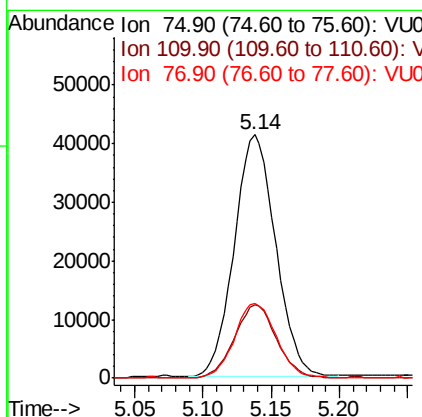
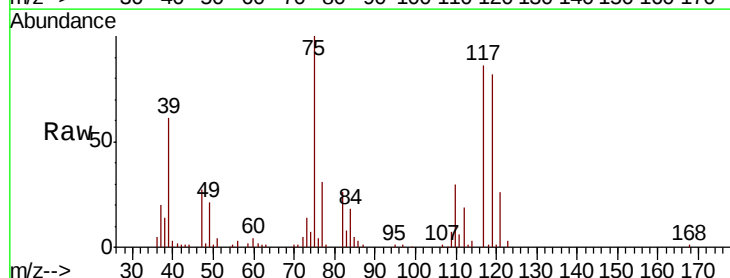
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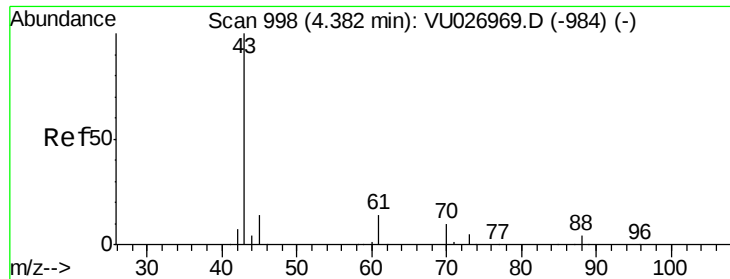
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#36
 1,1-Dichloropropene
 Concen: 47.724 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	16.1	48.2
77	30.7	24.6	36.8





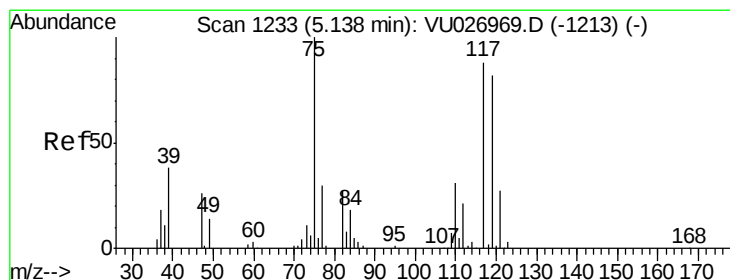
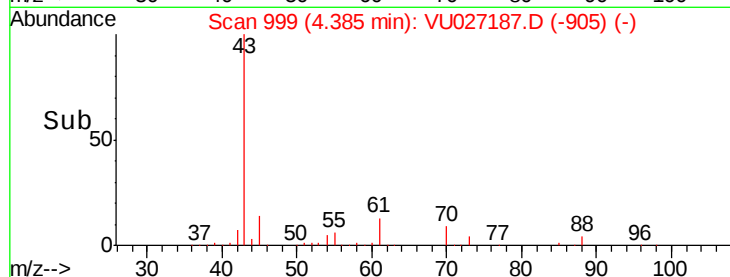
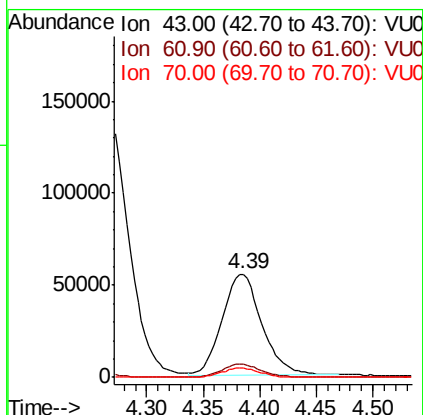
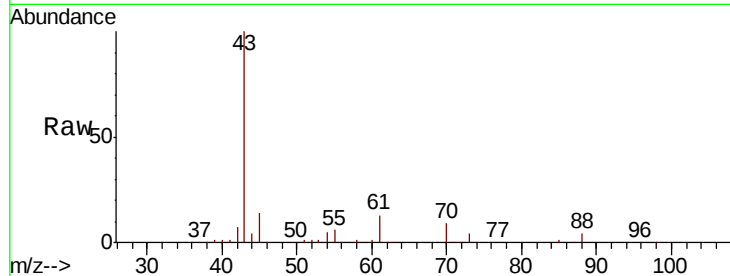
#37
Ethyl Acetate
Concen: 54.822 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	134864	10.5	7.4
Ratio	100	12.7	8.8
Lower		10.5	7.4
Upper		15.7	11.0

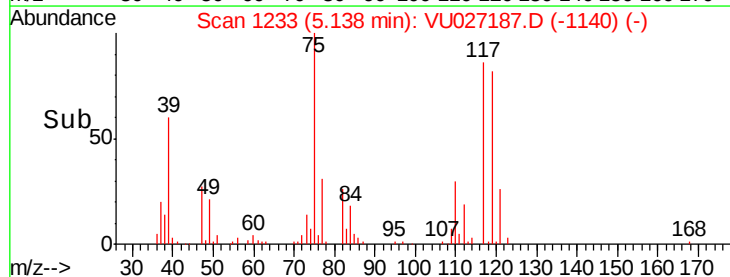
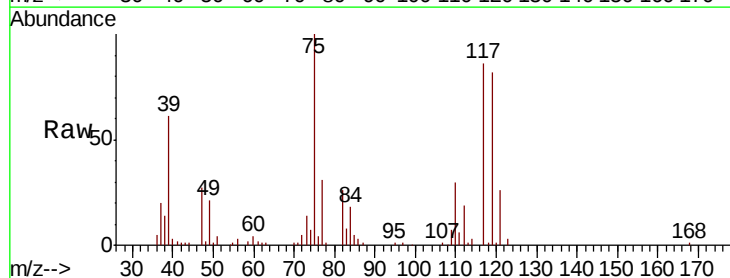
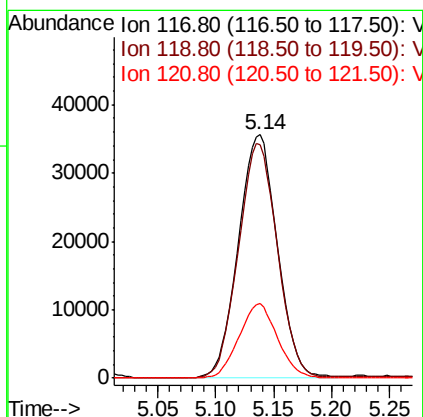
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#38
Carbon Tetrachloride
Concen: 48.216 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	117	119	121
Resp	83382	74.4	24.2
Ratio	100	95.6	30.5
Lower		74.4	24.2
Upper		111.6	36.4





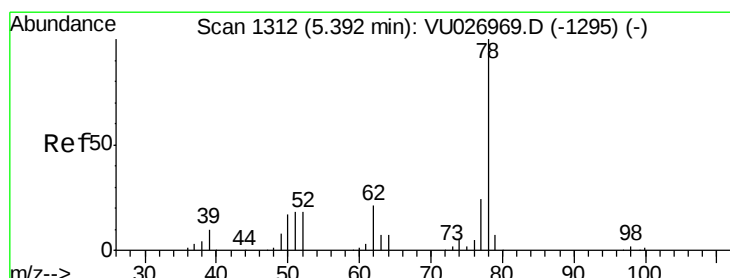
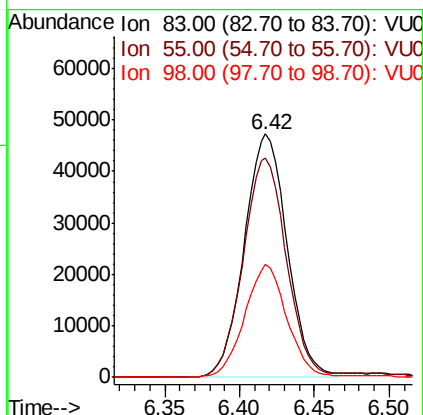
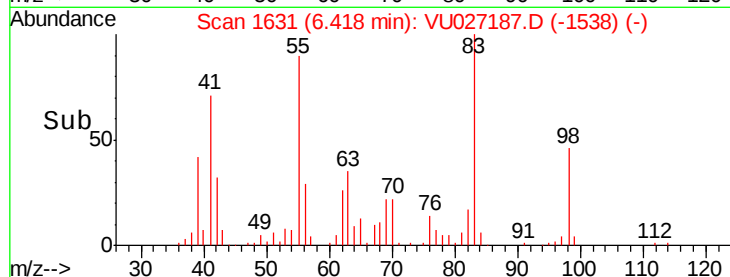
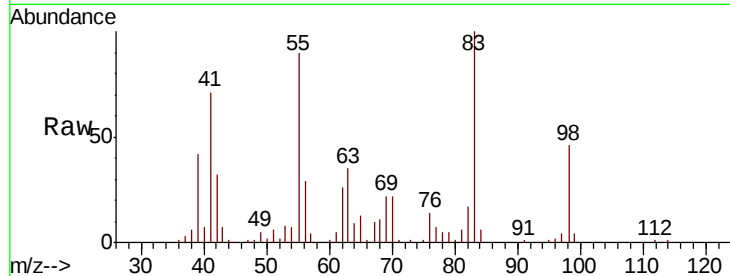
#39
Methvlcvclohexane
Concen: 47.826 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	94447
Ion Ratio	100	Lower	Upper
83	100		
55	90.3	69.9	104.9
98	46.2	37.5	56.3

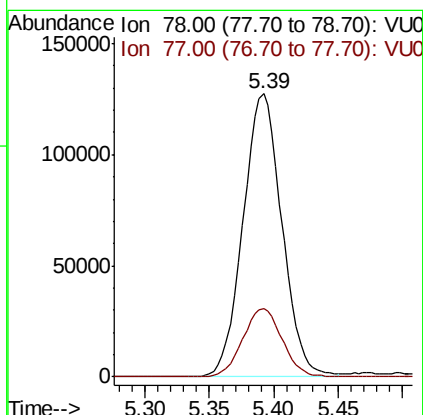
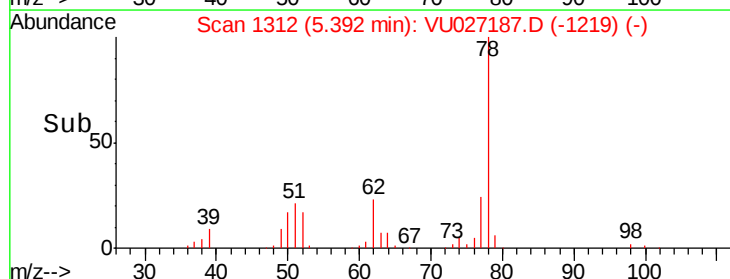
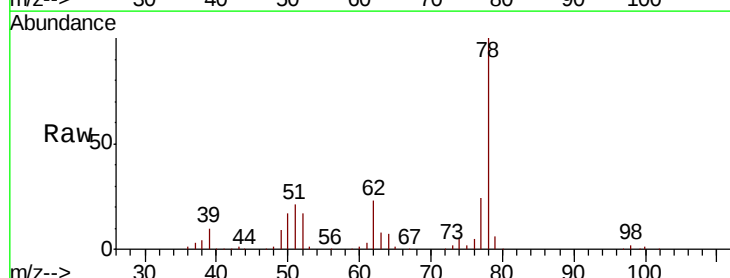
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#40
Benzene
Concen: 48.512 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	78	Resp	267995
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.4	29.0





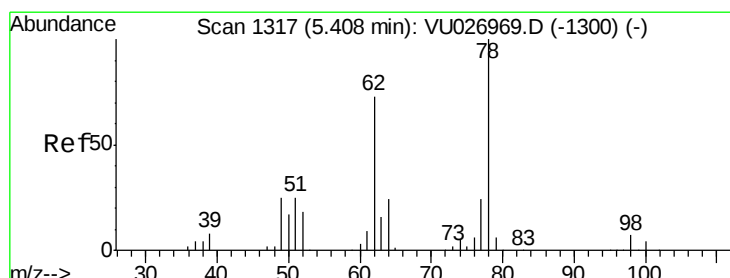
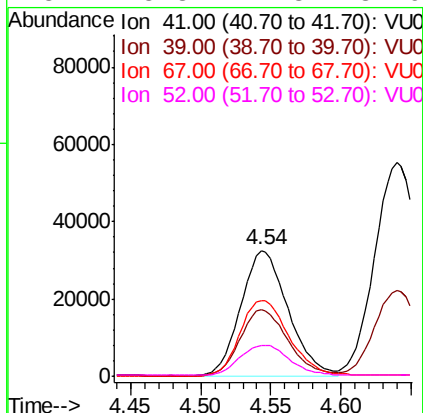
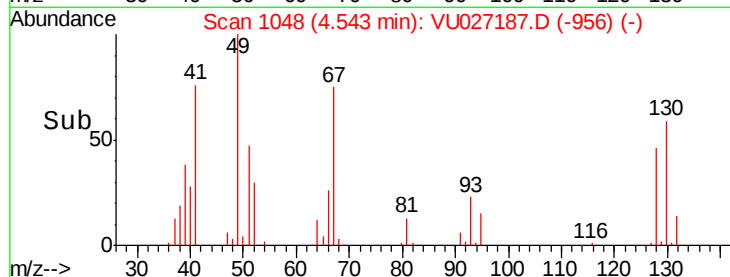
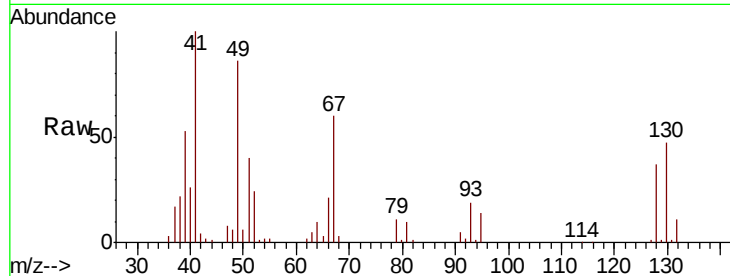
#41
Methacrylonitrile
Concen: 60.096 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.9	64.3	
67	63.7	52.4	78.6	
52	25.3	21.3	31.9	

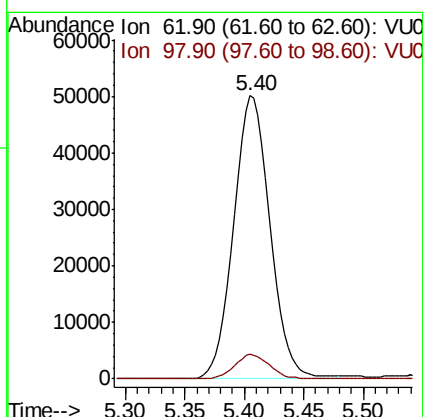
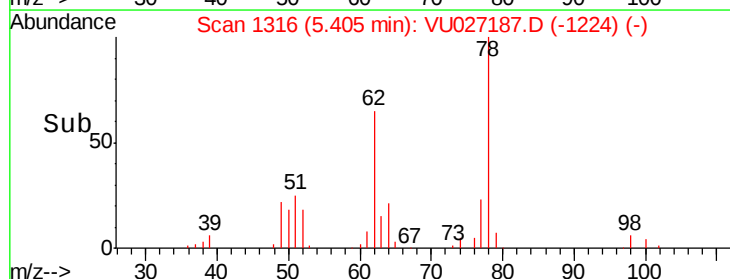
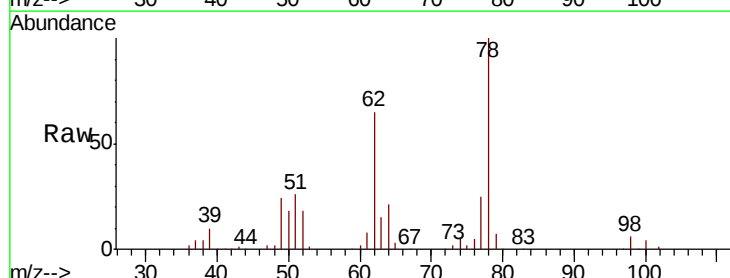
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 51.042 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.0	





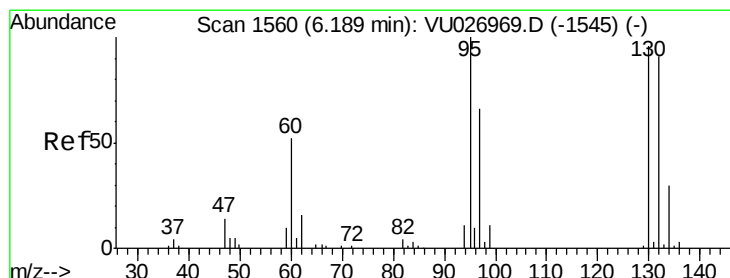
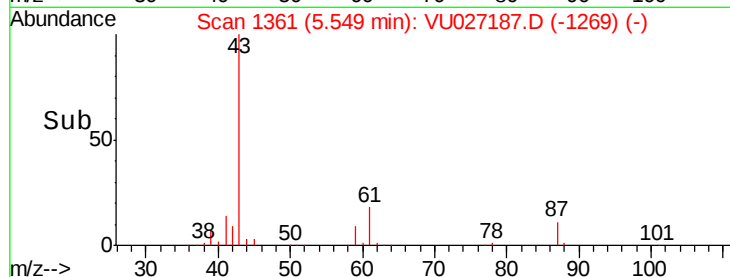
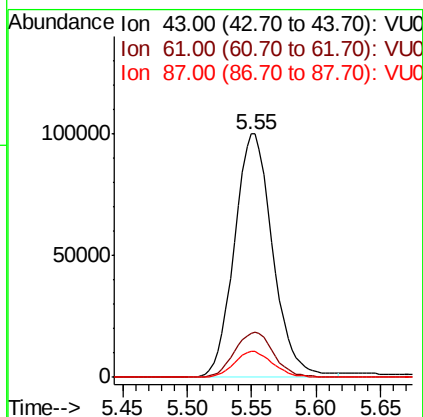
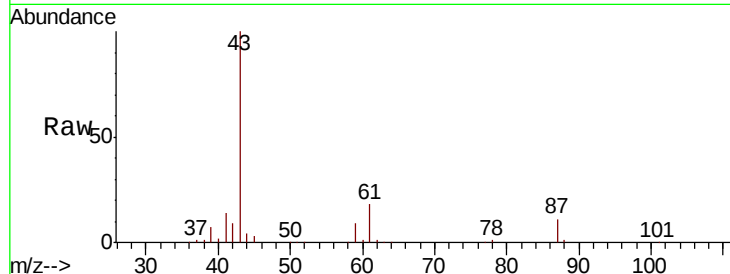
#43
Isopropyl Acetate
Concen: 57.420 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.7	23.5
87	10.8	9.0	13.4

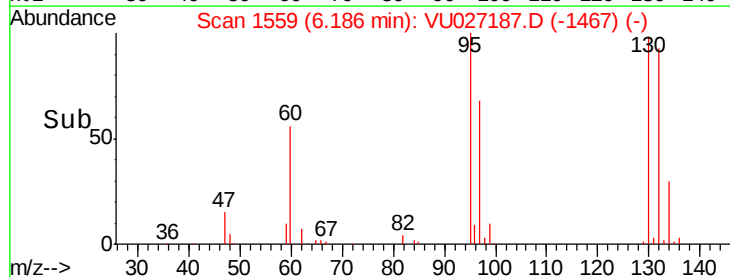
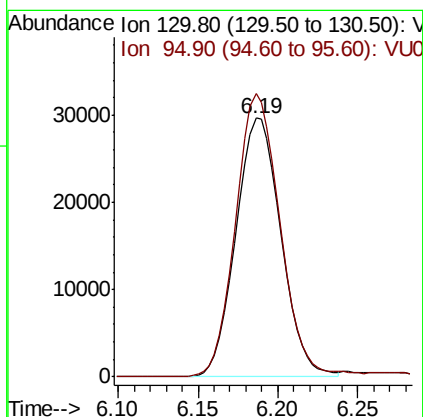
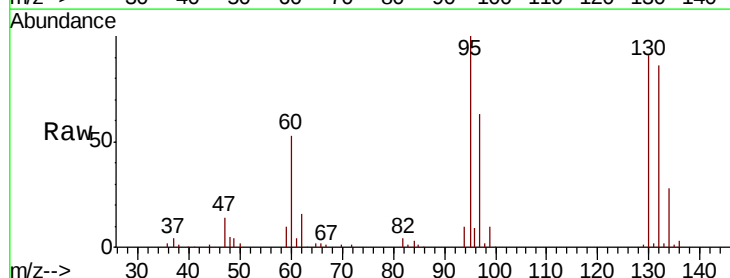
Manual Integrations
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MMDadoda
9/27/2018 3:33:22 PM



#44
Trichloroethene
Concen: 48.598 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.4	0.0	208.8





#45

1,2-Dichloropropane

Concen: 51.511 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Tot Ion: 63 Resp: 81082

Ion Ratio Lower Upper

63 100

65 31.0 24.3 36.5

Instrument :

MSVOA_U

ClientSampleId :

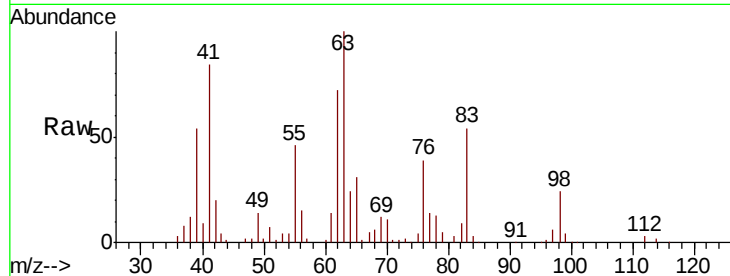
VSTDCCC050EC

Manual Integrations

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9/27/2018 3:33:22 PM

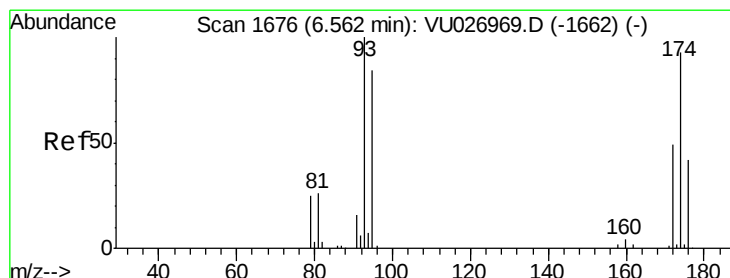
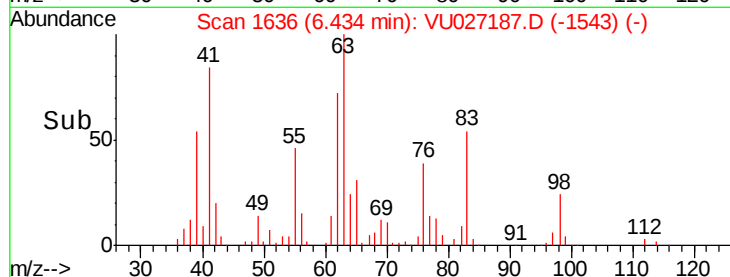


Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-1621) (-)

Ion 64.90 (64.60 to 65.60): VU026969.D (-1621) (-)

6.43

Time-->



#46

Dibromomethane

Concen: 48.760 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

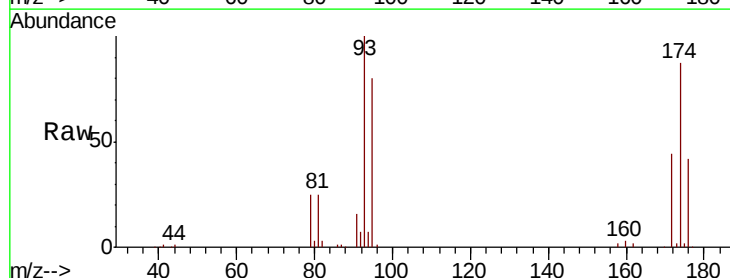
Tgt Ion: 93 Resp: 46354

Ion Ratio Lower Upper

93 100

95 85.1 66.2 99.4

174 90.0 71.7 107.5



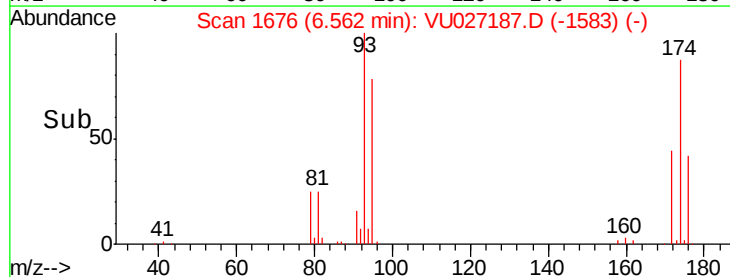
Abundance Ion 92.80 (92.50 to 93.50): VU026969.D (-1662) (-)

Ion 94.80 (94.50 to 95.50): VU026969.D (-1662) (-)

Ion 173.70 (173.40 to 174.40): VU026969.D (-1662) (-)

6.56

Time-->





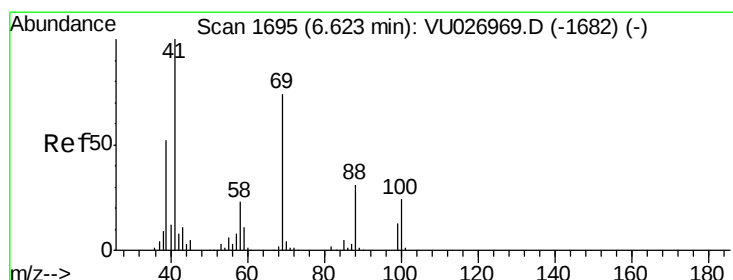
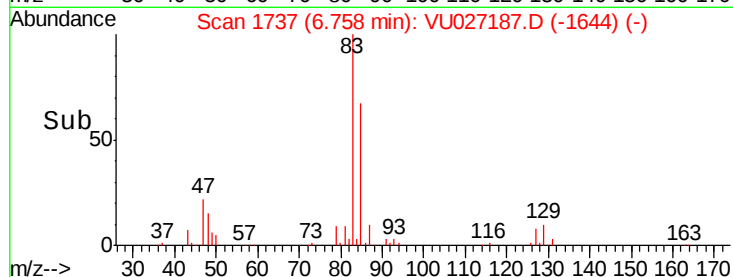
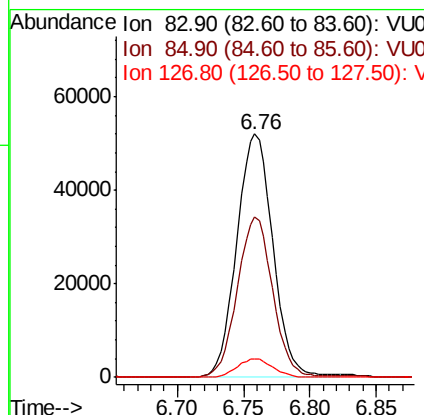
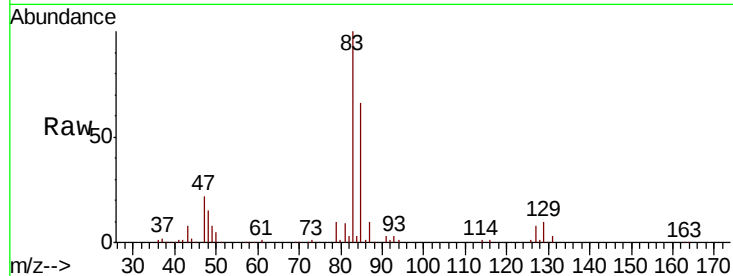
#47
Bromodichloromethane
Concen: 51.343 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	98695
Ion Ratio	100	Lower	Upper
83	100		
85	65.8	52.5	78.7
127	7.8	6.3	9.5

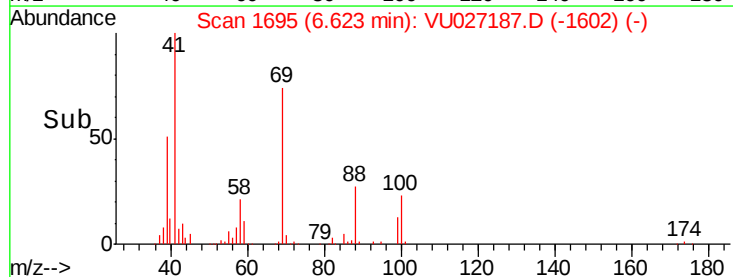
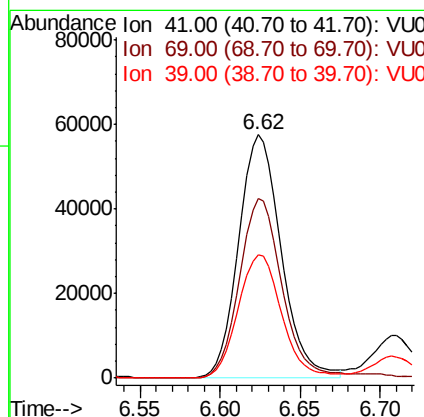
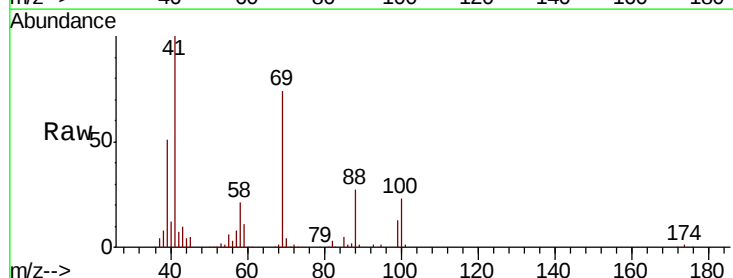
Manual Integrations
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9/27/2018 3:33:22 PM



#48
Methyl methacrylate
Concen: 53.686 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	41	Resp	104981
Ion Ratio	100	Lower	Upper
41	100		
69	75.7	60.6	90.8
39	51.9	42.8	64.2





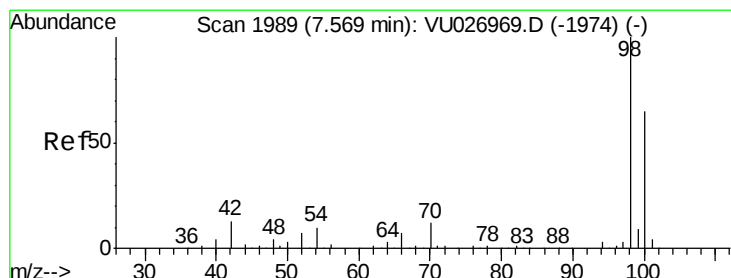
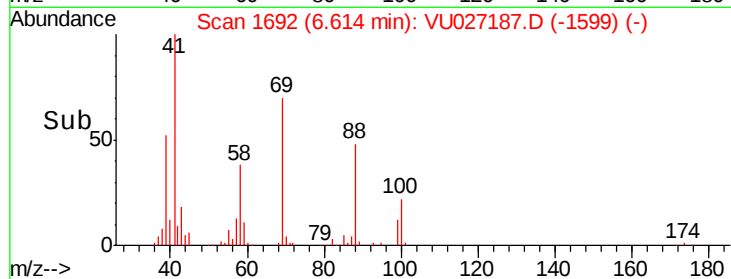
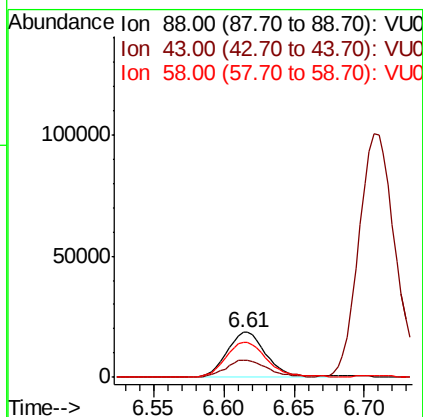
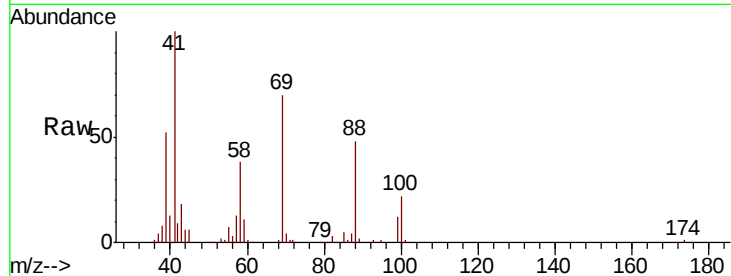
#49
1,4-Dioxane
Concen: 927.394 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	29.8	44.8
58	83.0	63.9	95.9

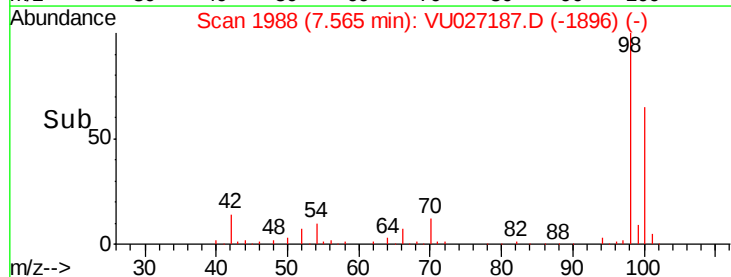
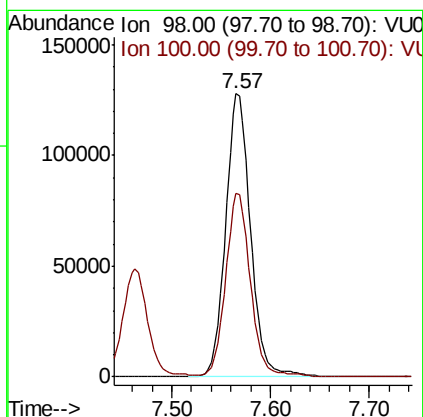
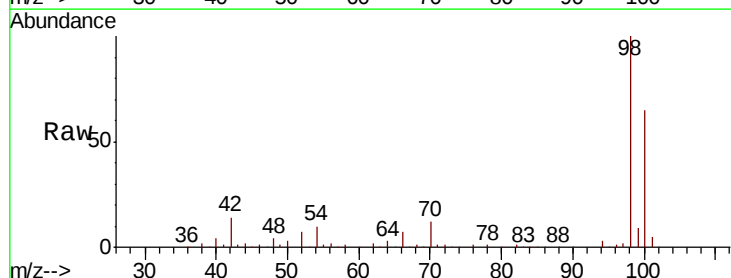
Manual Integrations
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#50
Toluene-d8
Concen: 50.331 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 299.270 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 722116

Ion Ratio Lower Upper

43 100

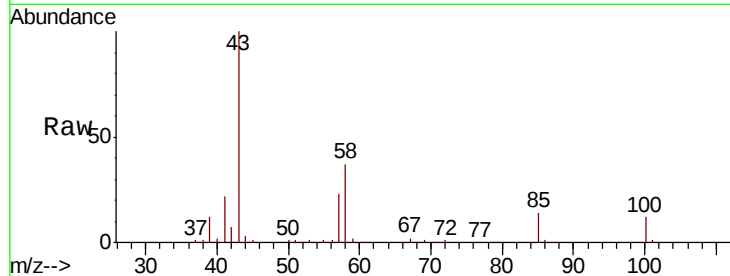
58 36.8 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

400000

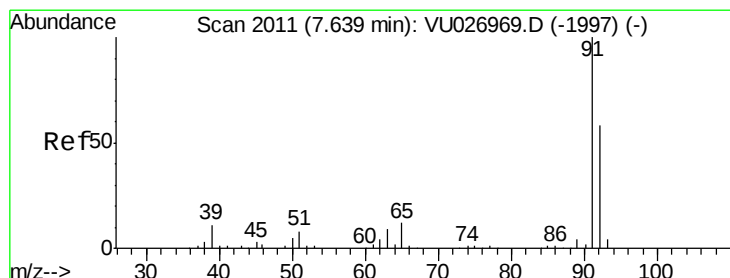
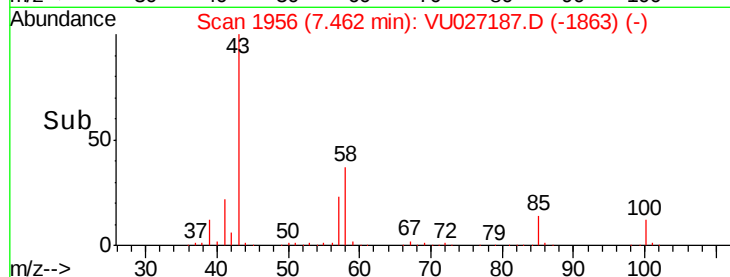
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.743 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027187.D

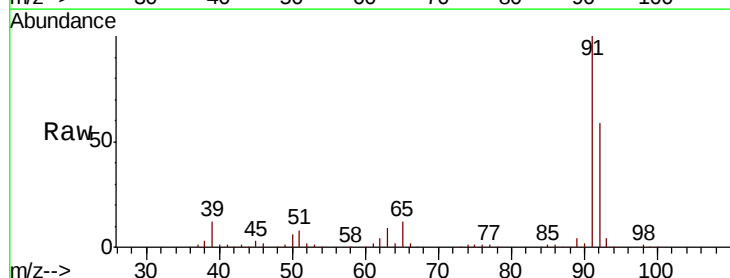
Acq: 26 Sep 2018 18:57

Tgt Ion: 92 Resp: 163847

Ion Ratio Lower Upper

92 100

91 171.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

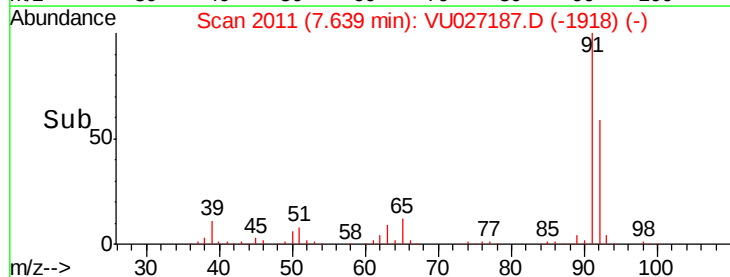
150000

100000

50000

0

Time-->





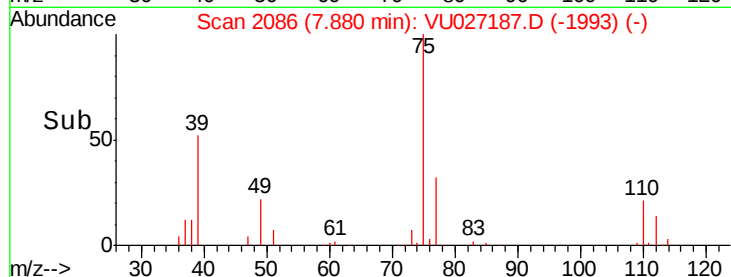
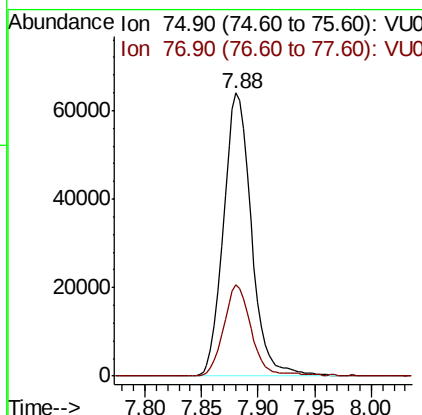
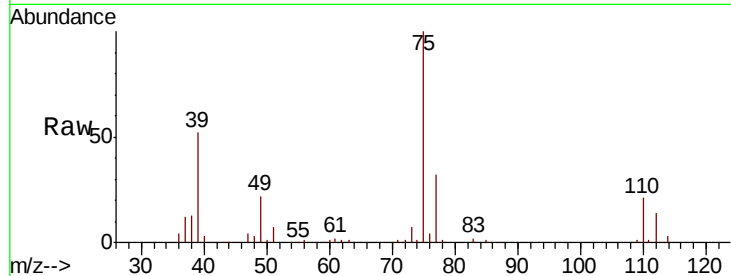
#53
t-1,3-Dichloropropene
Concen: 53.292 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9

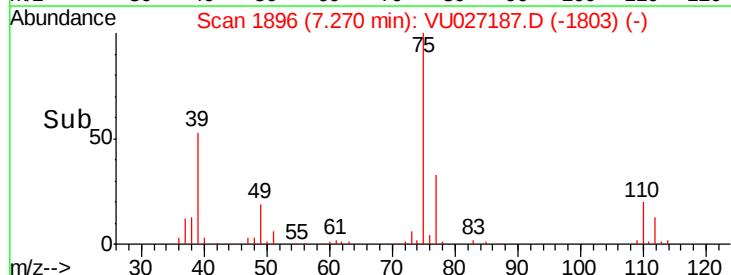
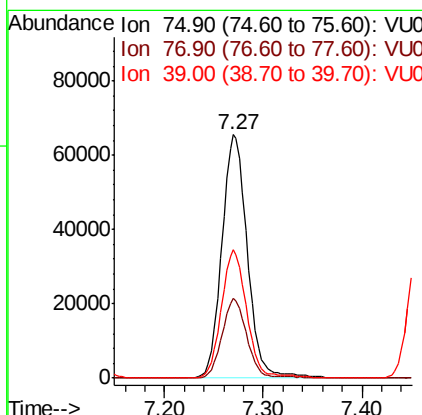
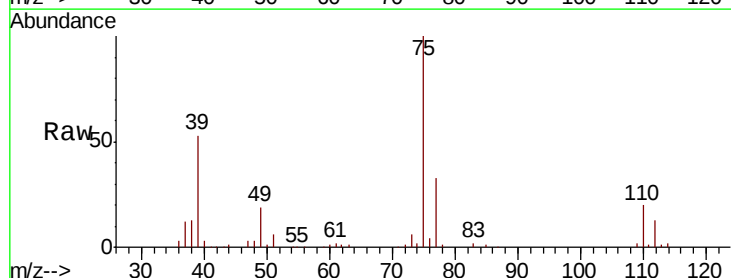
Manual Integrations
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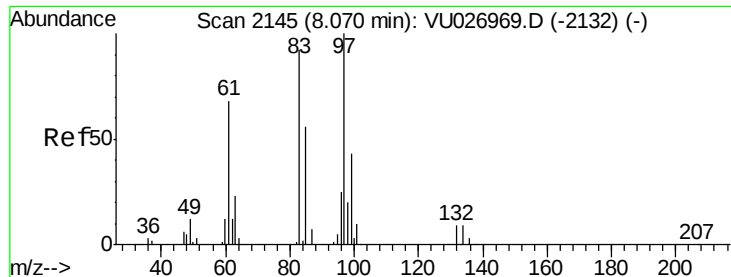
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.384 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.0
39	52.5	41.6	62.4





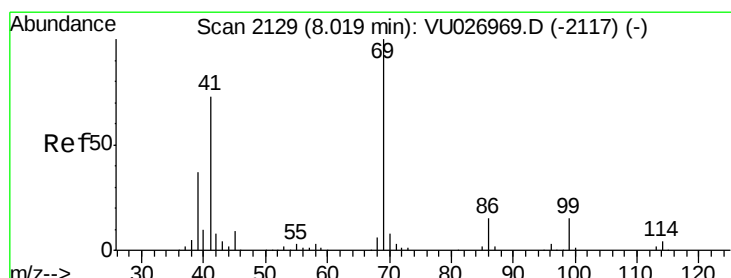
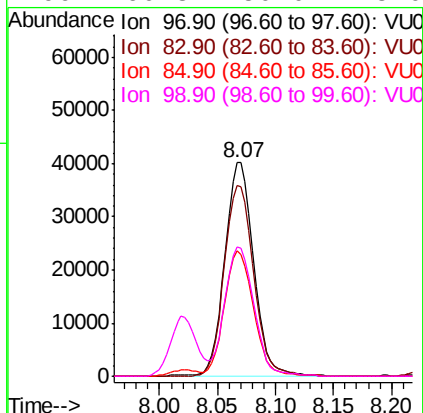
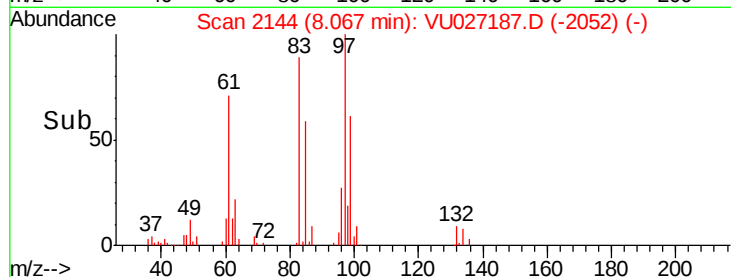
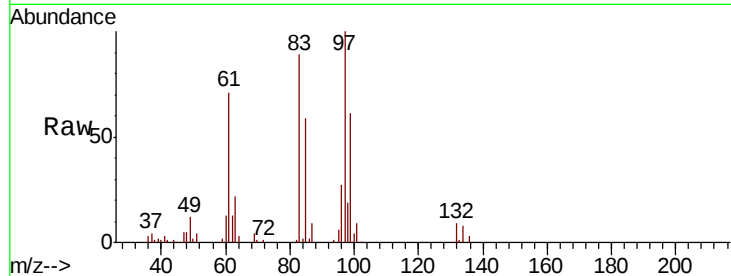
#55
 1,1,2-Trichloroethane
 Concen: 51.484 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	69079
Ion	Ratio	Lower	Upper
97	100		
83	89.3	73.1	109.7
85	58.6	46.7	70.1
99	60.8	50.0	75.0

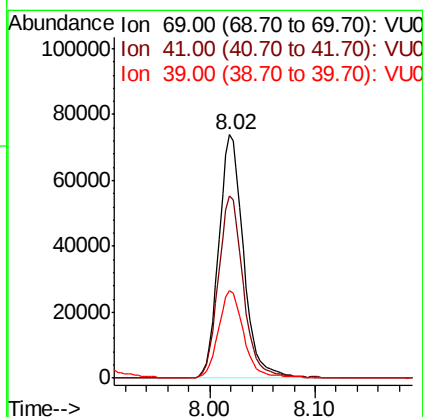
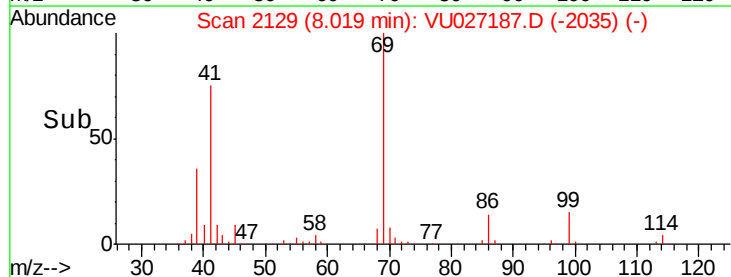
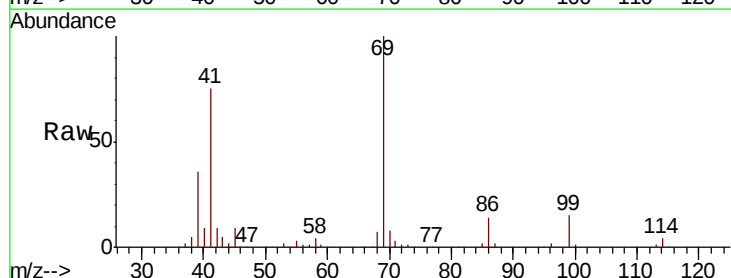
Manual Integrations
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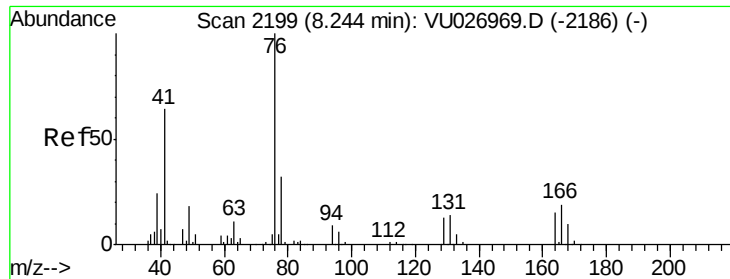
MMDadoda
 9/27/2018 3:33:22 PM



#56
 Ethyl methacrylate
 Concen: 51.378 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Tgt Ion:	69	Resp:	119758
Ion	Ratio	Lower	Upper
69	100		
41	75.7	59.0	88.4
39	36.6	30.2	45.4





#57

1,3-Dichloropropane

Concen: 52.542 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 131121

Ion Ratio Lower Upper

76 100

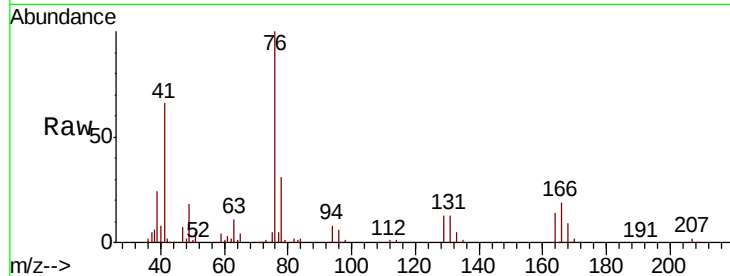
78 31.4 25.5 38.3

Manual Integrations

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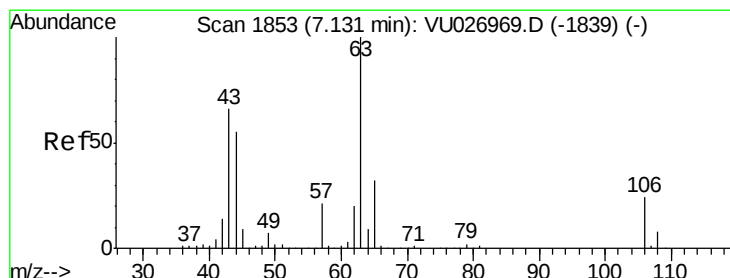
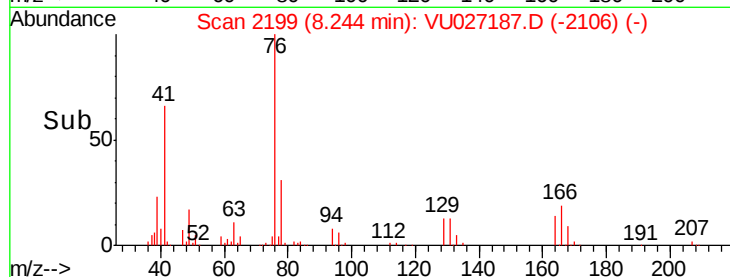
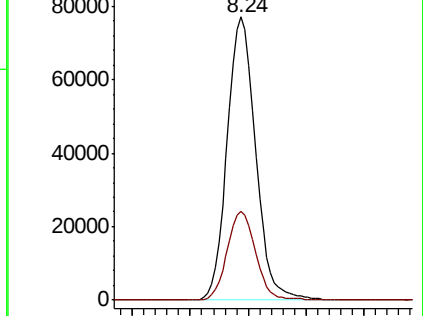
MMDadoda

9/27/2018 3:33:22 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 255.758 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027187.D

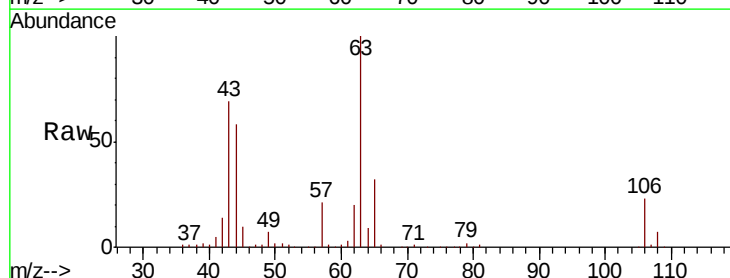
Acq: 26 Sep 2018 18:57

Tgt Ion: 63 Resp: 338063

Ion Ratio Lower Upper

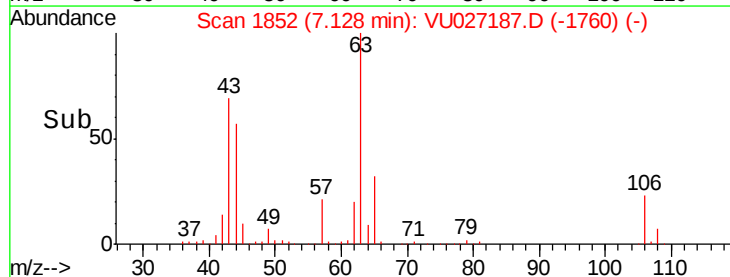
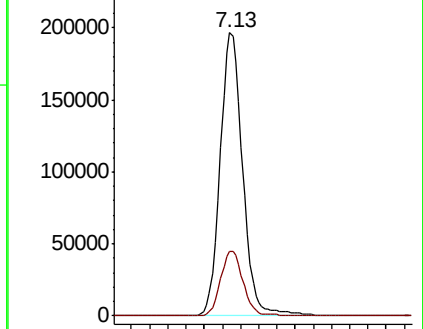
63 100

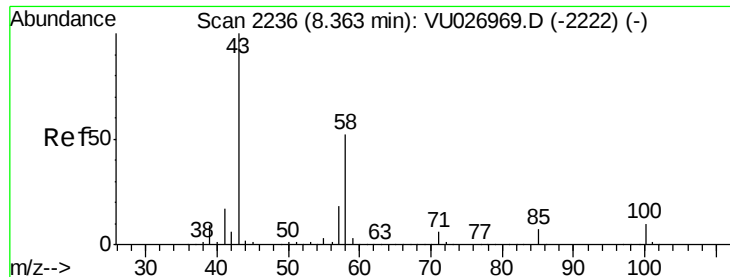
106 23.3 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





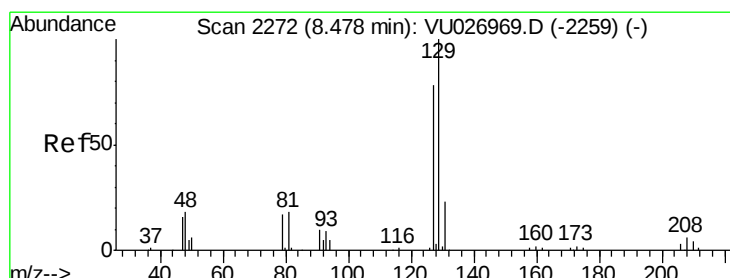
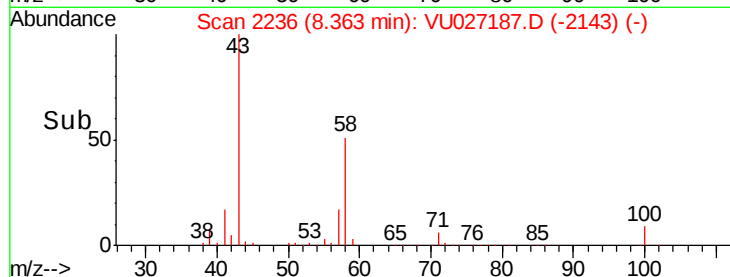
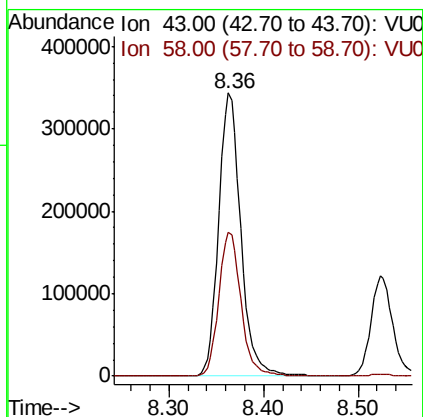
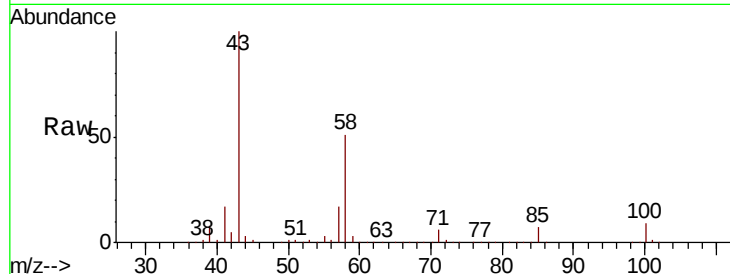
#59
2-Hexanone
Concen: 296.191 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 559442
Ion Ratio Lower Upper
43 100
58 51.0 26.1 78.2

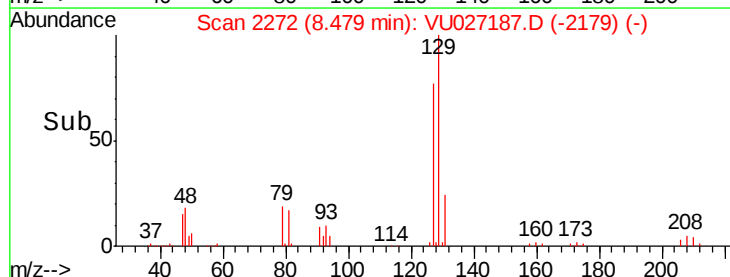
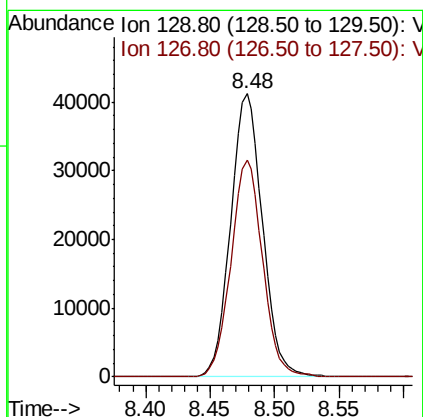
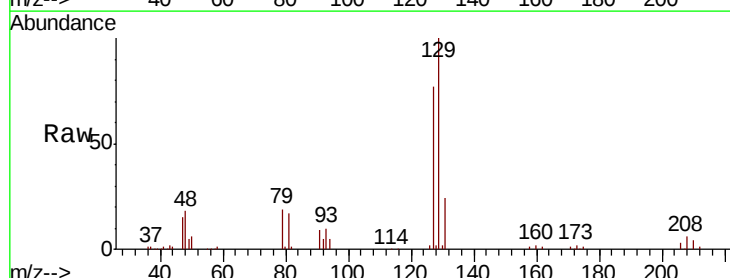
Manual Integrations
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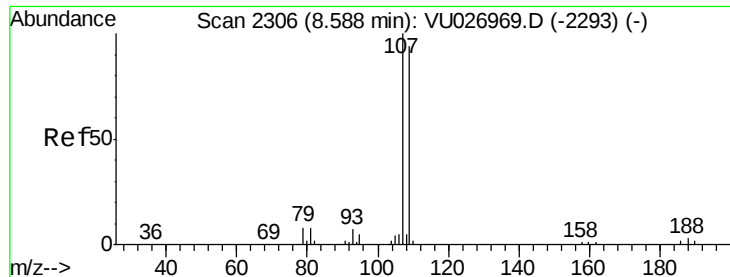
MMDadoda
9/27/2018 3:33:22 PM



#60
Dibromochloromethane
Concen: 53.739 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion: 129 Resp: 70726
Ion Ratio Lower Upper
129 100
127 75.9 38.1 114.5





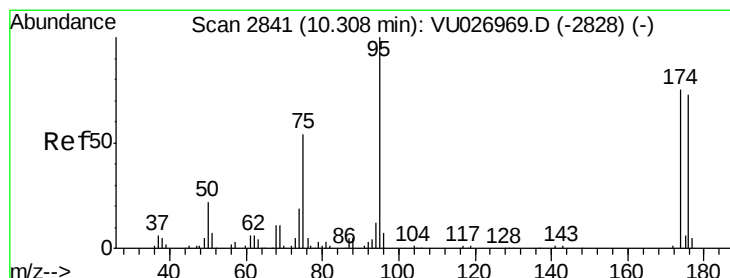
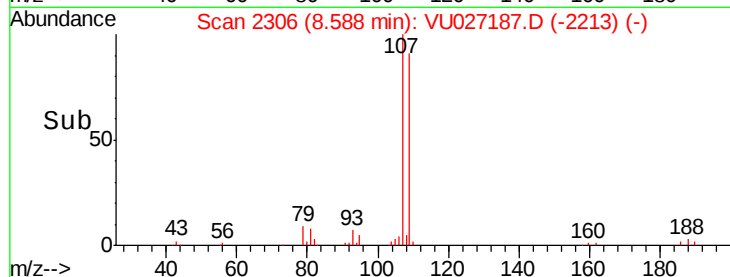
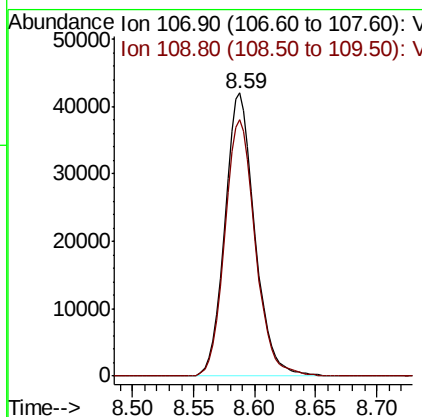
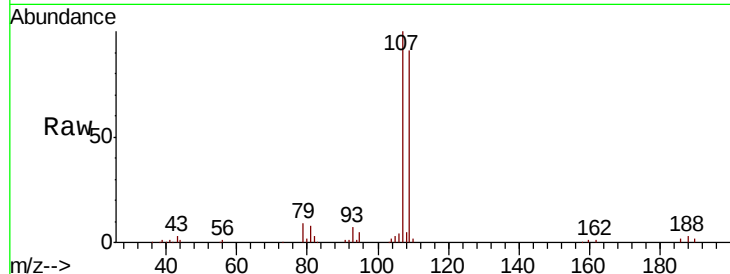
#61
 1,2-Dibromoethane
 Concen: 51.647 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.0	112.6

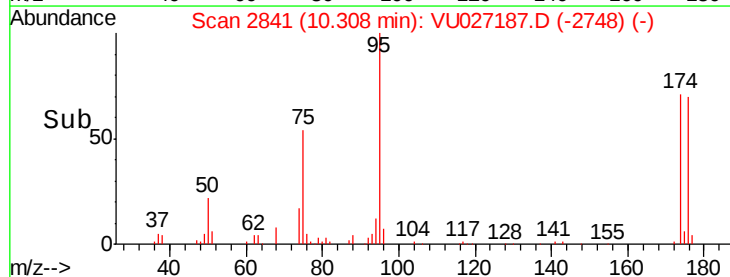
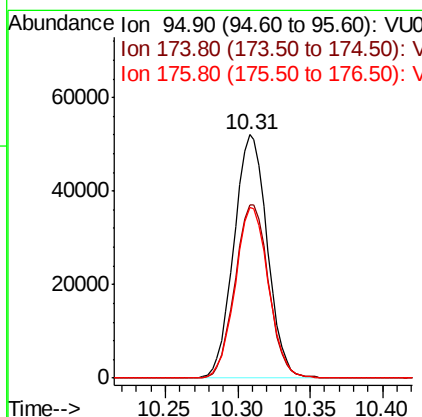
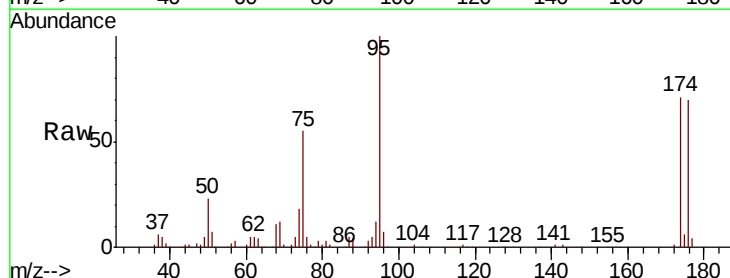
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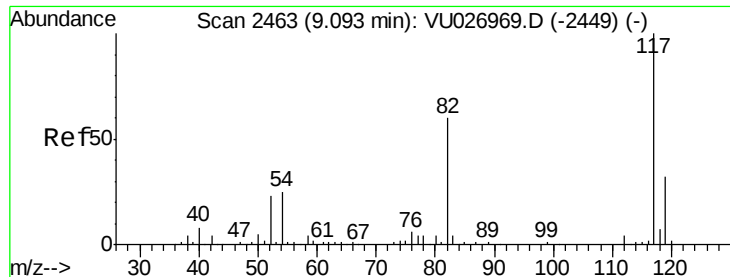
MMDadoda
 9/27/2018 3:33:22 PM



#62
 4-Bromofluorobenzene
 Concen: 53.991 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	150.2
176	69.9	0.0	145.2





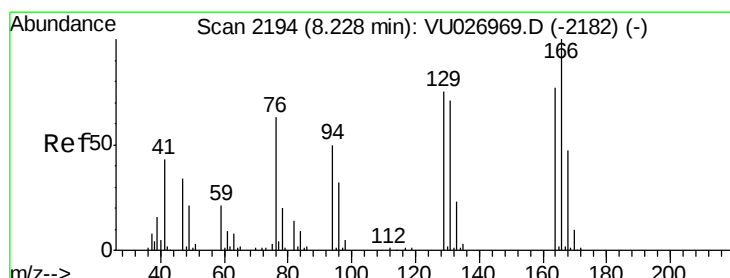
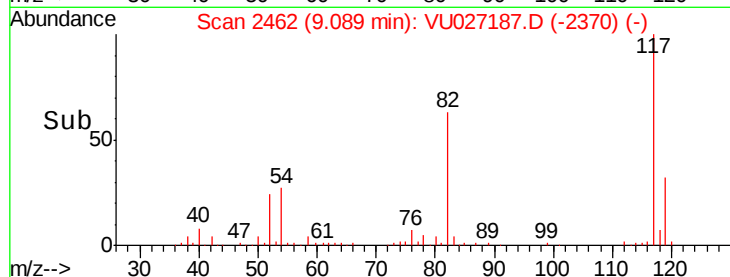
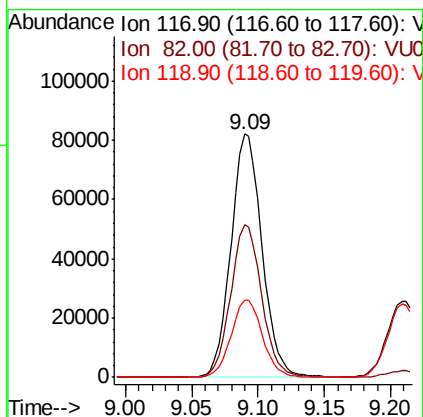
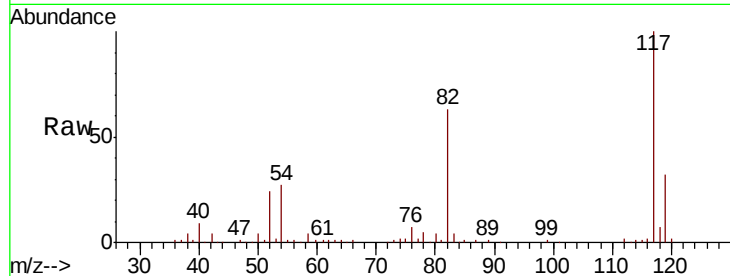
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	48.0	72.0
119	31.9	25.8	38.8

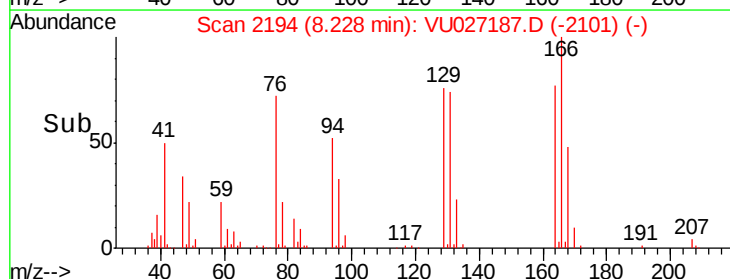
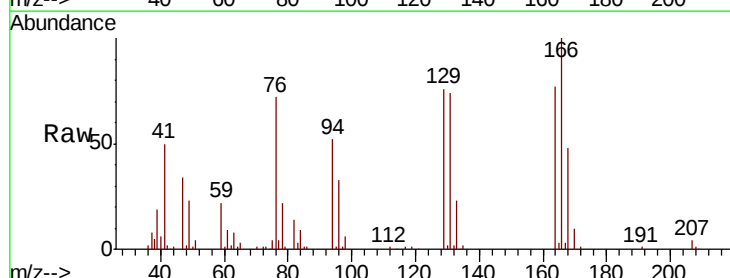
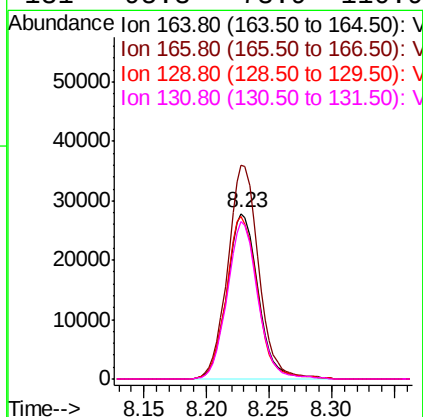
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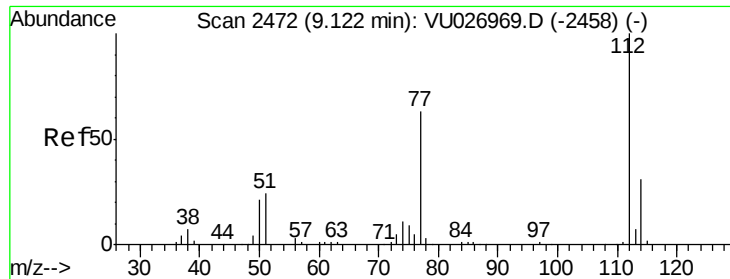
MMDadoda
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#64
Tetrachloroethene
Concen: 46.612 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	104.4	156.6
129	98.2	78.7	118.1
131	95.3	73.9	110.9





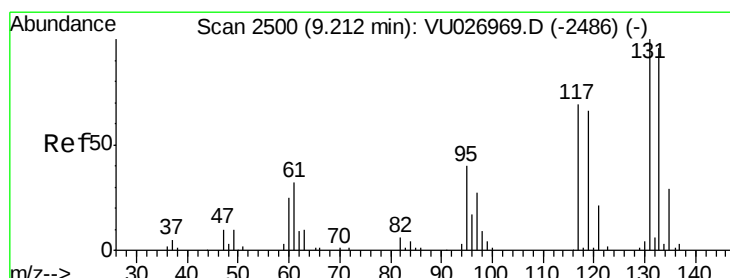
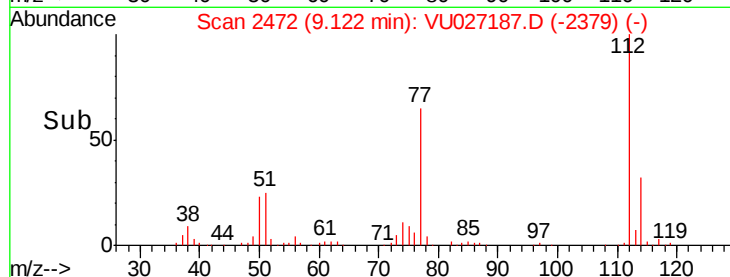
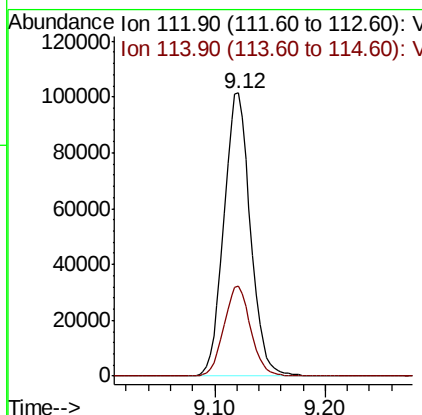
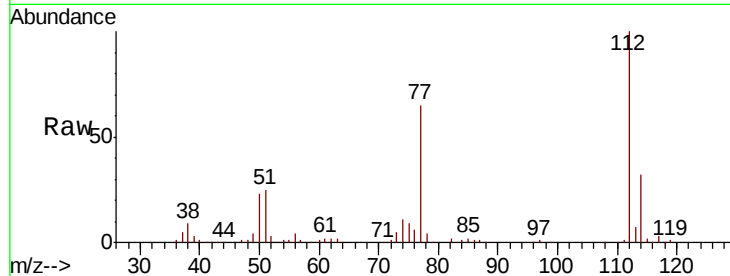
#65
Chlorobenzene
Concen: 47.760 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 169641
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6

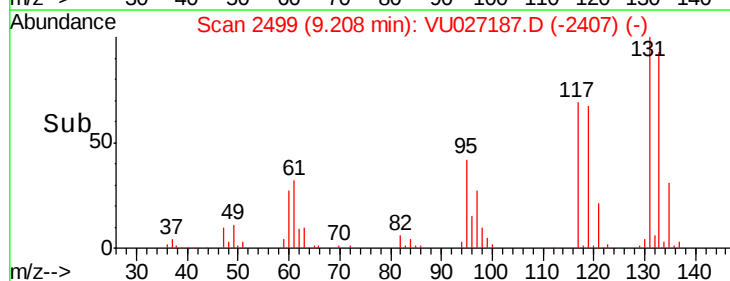
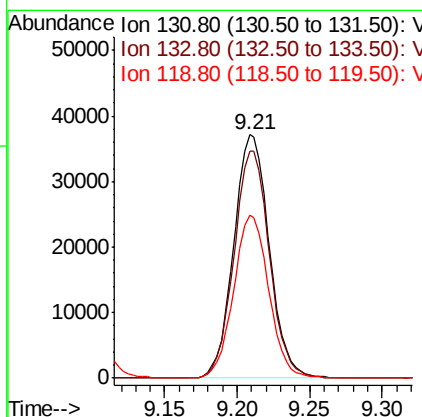
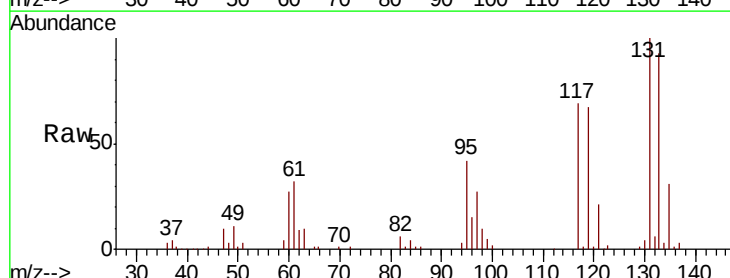
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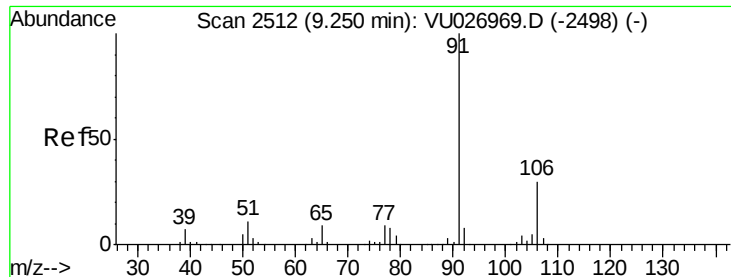
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.546 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion:131 Resp: 63062
Ion Ratio Lower Upper
131 100
133 93.3 48.0 144.2
119 66.3 33.4 100.1





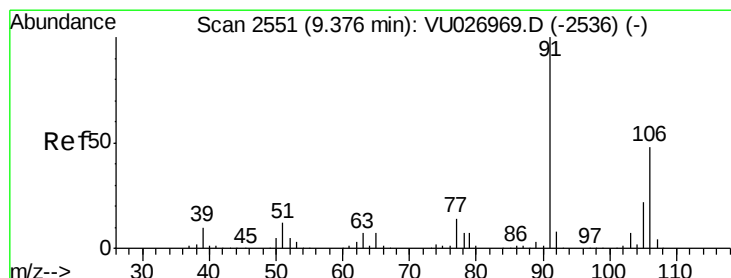
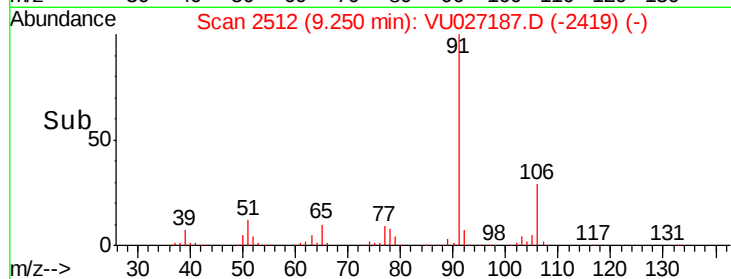
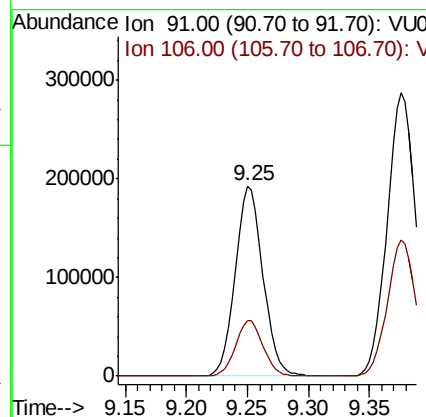
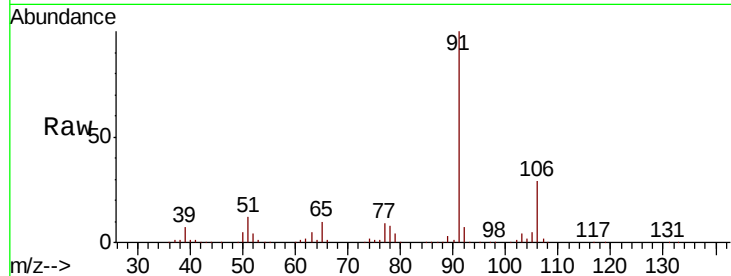
#67
Ethyl Benzene
Concen: 52.294 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 305436
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.8

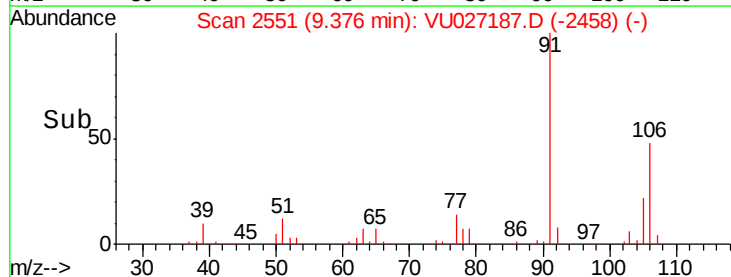
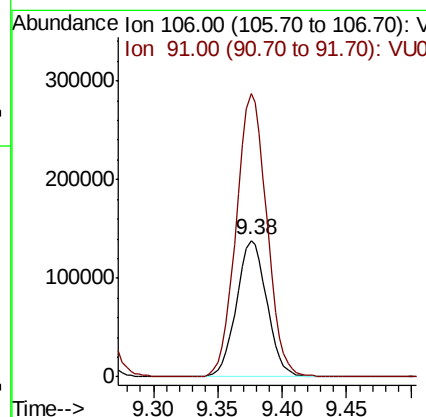
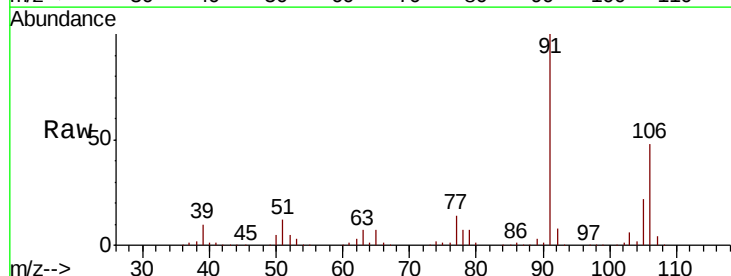
Manual Integrations
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#68
m/p-Xylenes
Concen: 95.720 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion: 106 Resp: 226266
Ion Ratio Lower Upper
106 100
91 209.6 166.5 249.7





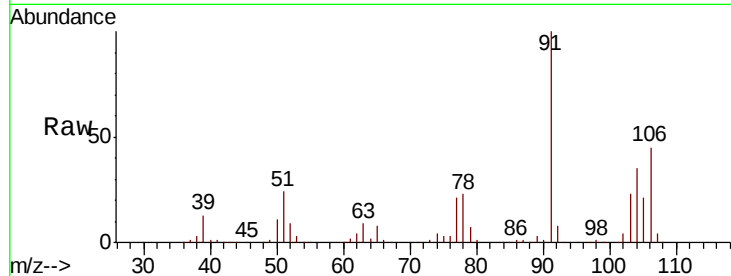
#69
o-Xylene
Concen: 54.087 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

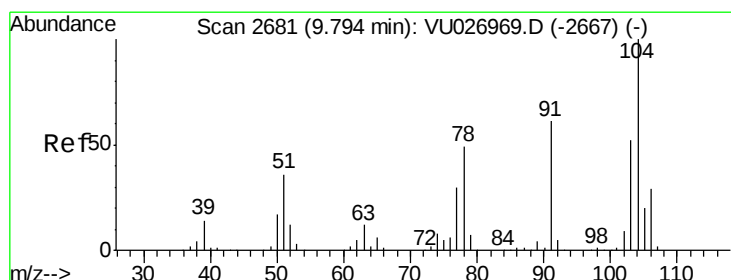
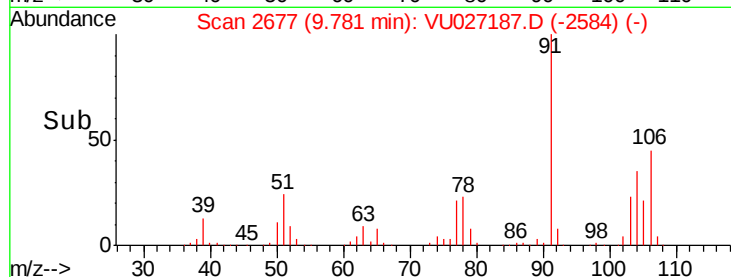
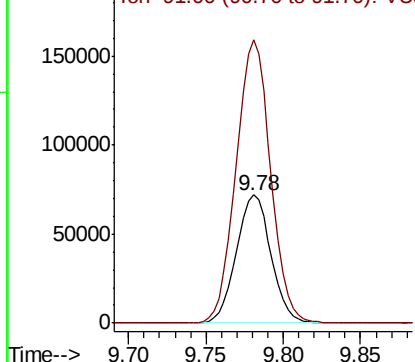
Tot Ion:106 Resp: 111931
Ion Ratio Lower Upper
106 100
91 220.5 110.2 330.6

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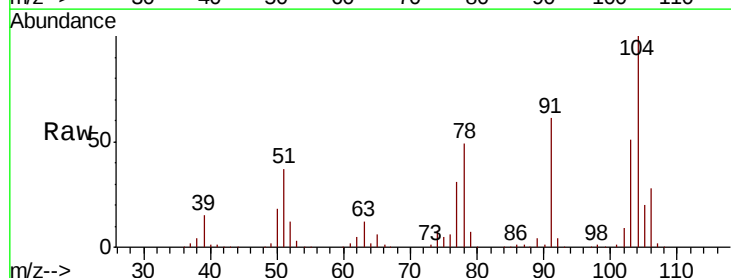


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

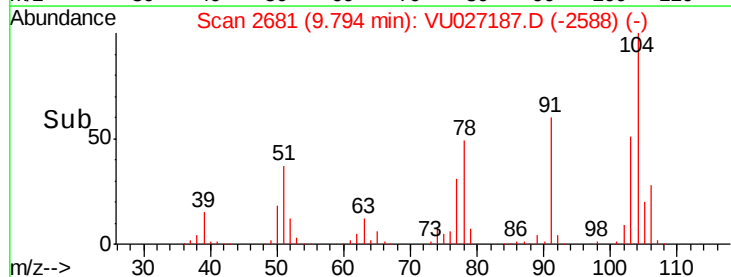
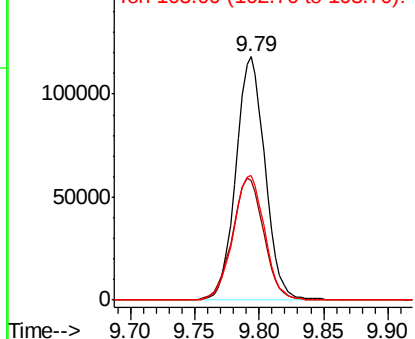


#70
Styrene
Concen: 48.063 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion:104 Resp: 185435
Ion Ratio Lower Upper
104 100
78 54.5 43.0 64.4
103 55.5 44.1 66.1



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: 54.469 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 51532

Ion Ratio Lower Upper

173 100

175 49.2 23.9 71.8

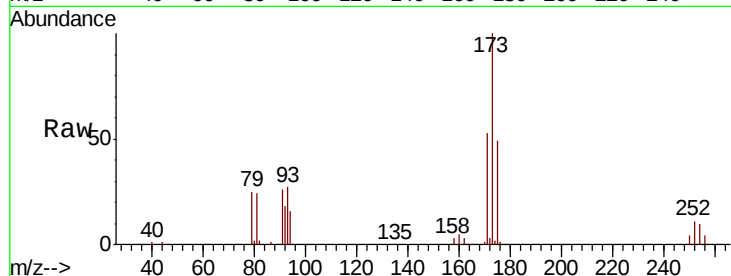
254 0.0 0.0 0.0

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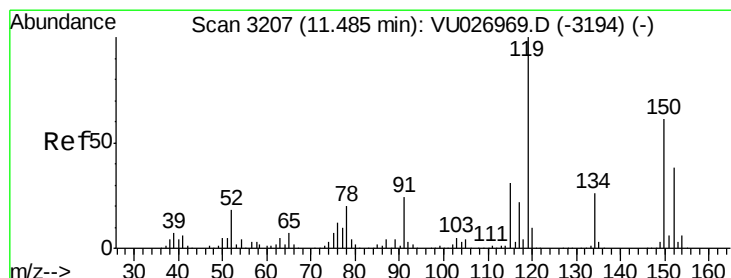
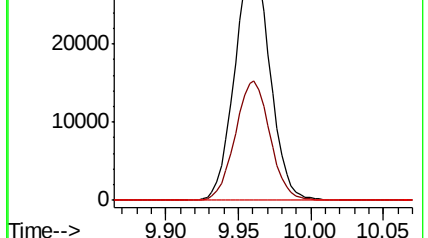
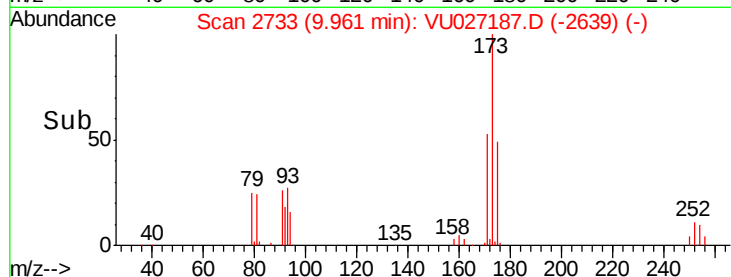
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

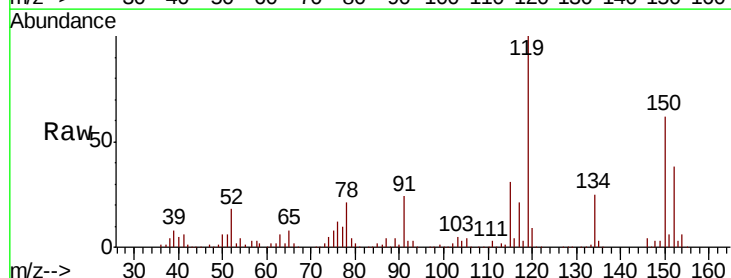
Tgt Ion:152 Resp: 73741

Ion Ratio Lower Upper

152 100

115 88.0 44.9 134.5

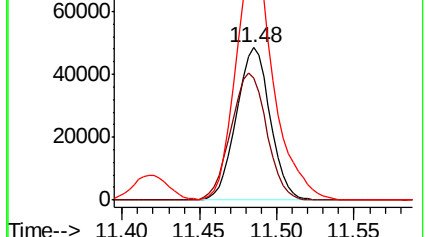
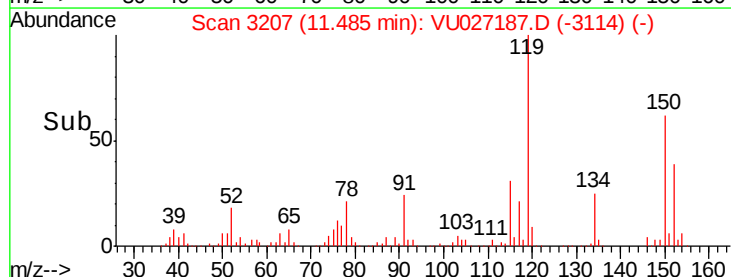
150 177.8 0.0 355.8

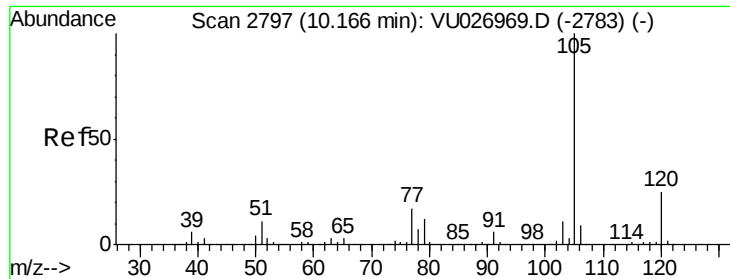


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.439 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 299761

Ion Ratio Lower Upper

105 100

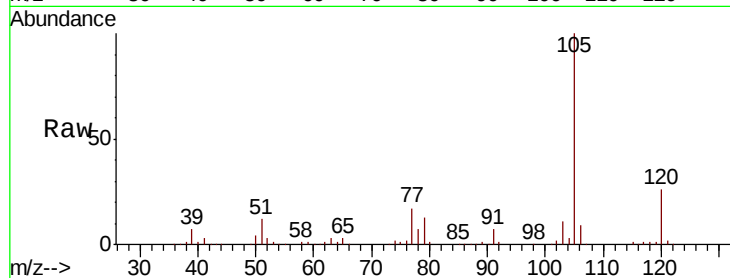
120 25.4 12.8 38.4

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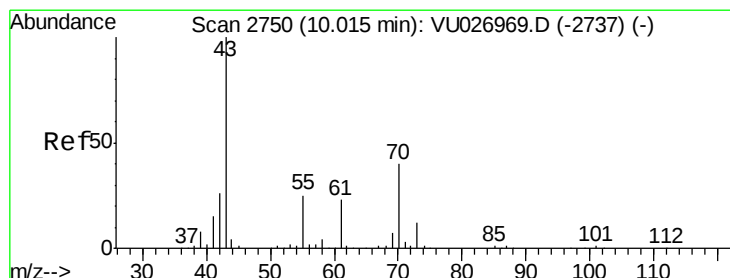
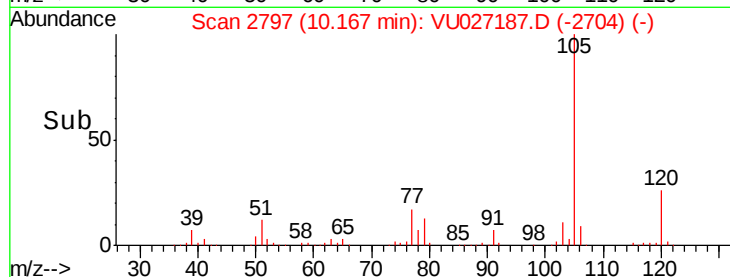
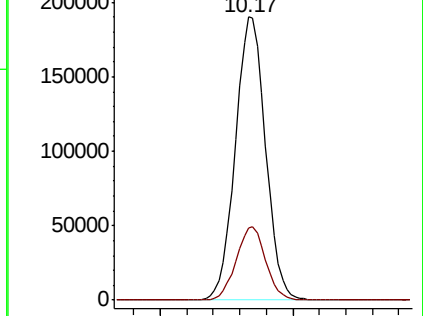
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 59.331 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027187.D

Acq: 26 Sep 2018 18:57

Tgt Ion: 43 Resp: 192646

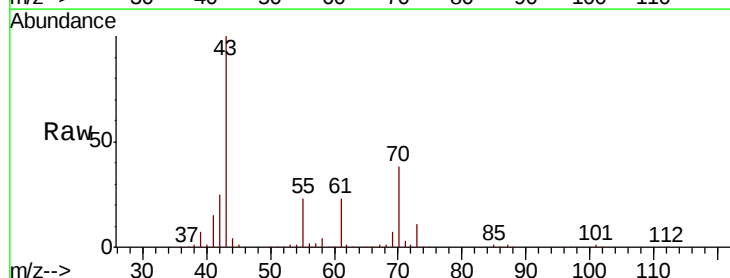
Ion Ratio Lower Upper

43 100

70 37.8 31.8 47.8

55 23.4 19.9 29.9

61 22.5 18.4 27.6

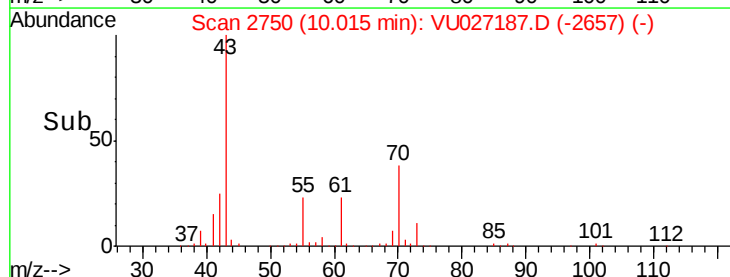
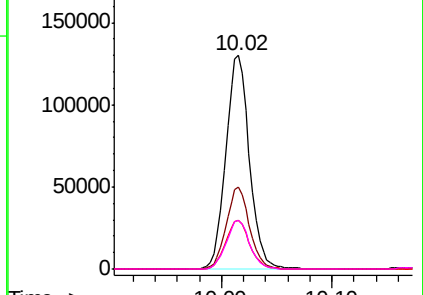


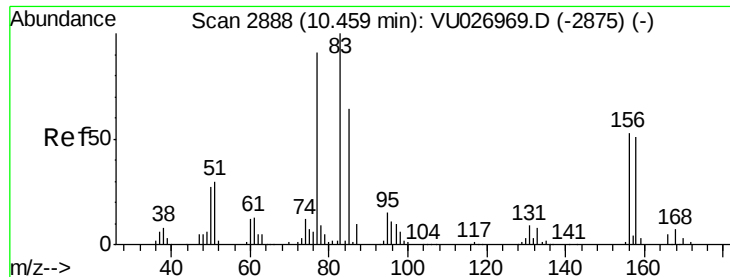
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





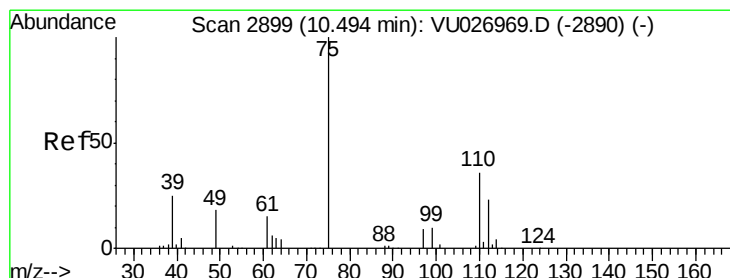
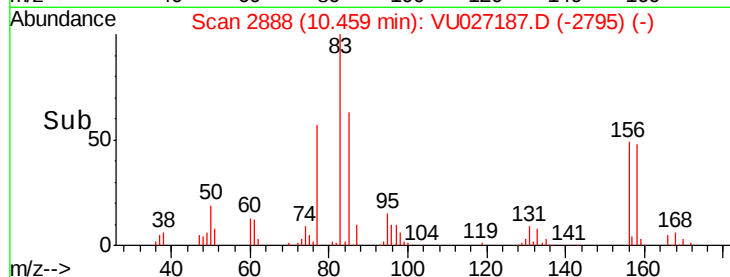
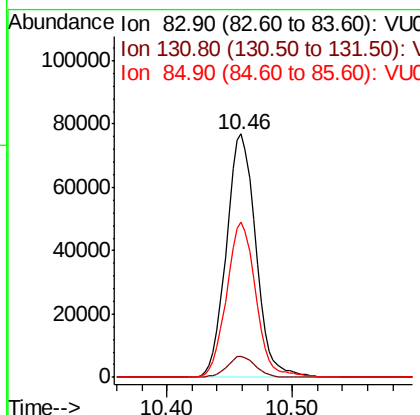
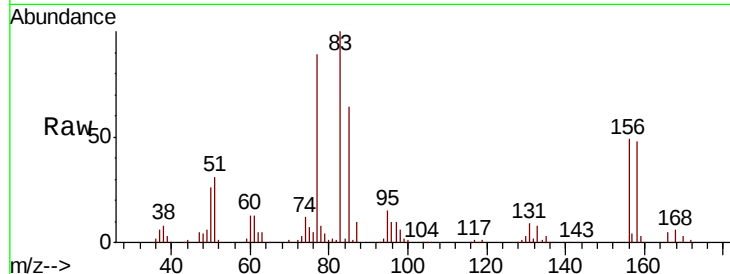
#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.716 ug/l
 RT: 10.46 min Scan# 2888
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	125641		
131	8.3	4.3	12.8	
85	63.4	31.9	95.7	

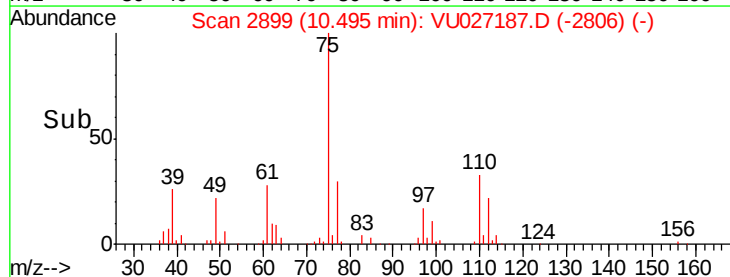
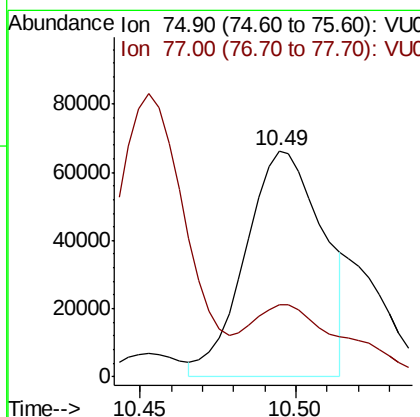
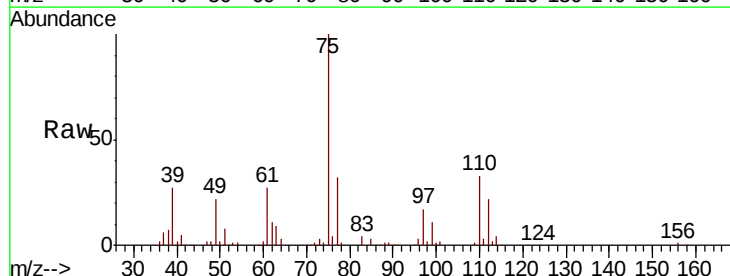
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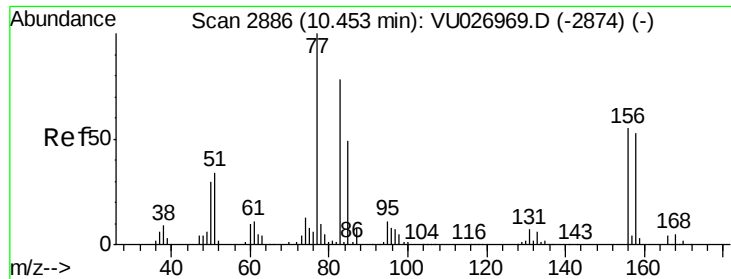
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#76
 1,2,3-Trichloropropane
 Concen: 50.870 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	113960		
77	38.7	20.9	62.8	





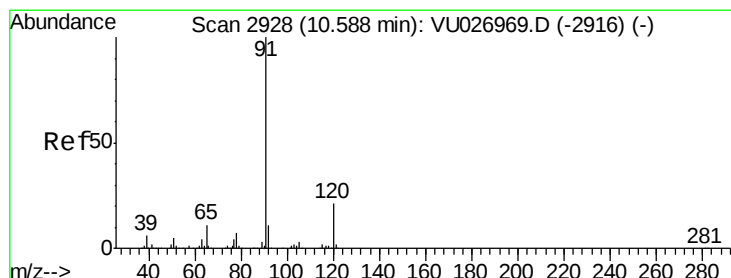
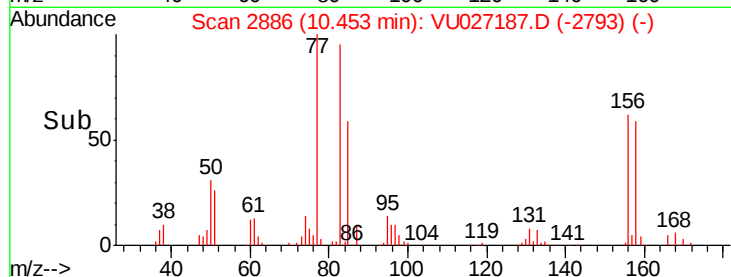
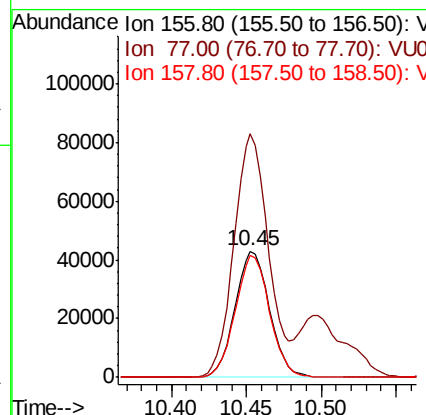
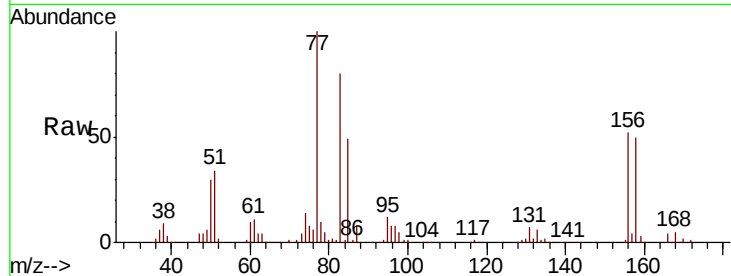
#77
Bromobenzene
Concen: 50.363 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	192.2	92.3	276.9	
158	96.1	48.1	144.3	

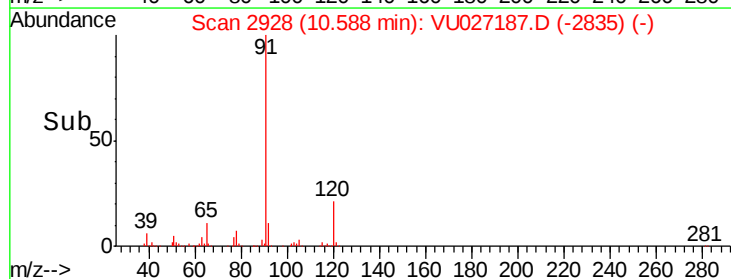
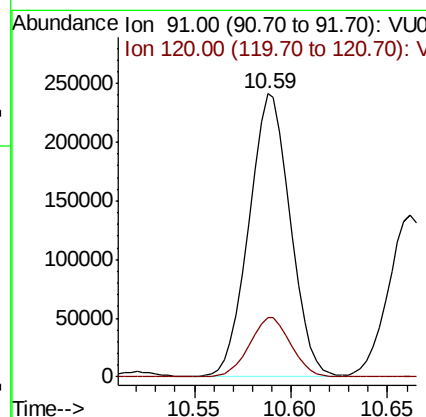
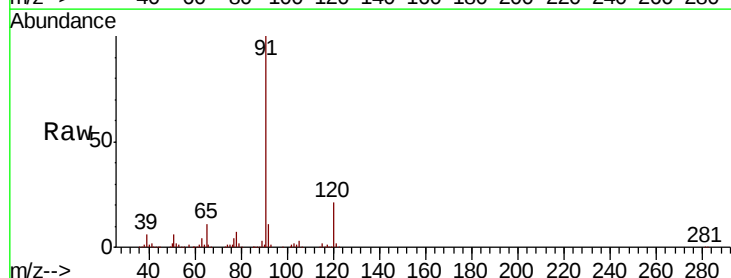
Manual Integrations
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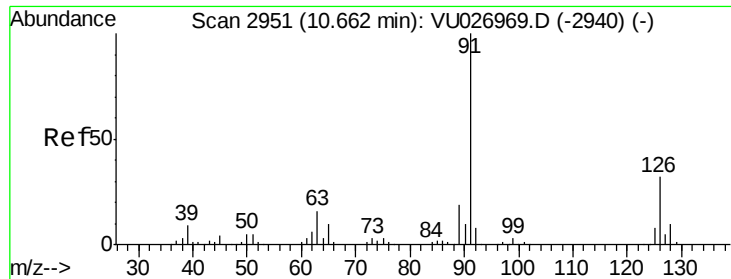
MMDadoda
9/27/2018 3:33:22 PM



#78
n-propylbenzene
Concen: 54.118 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

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





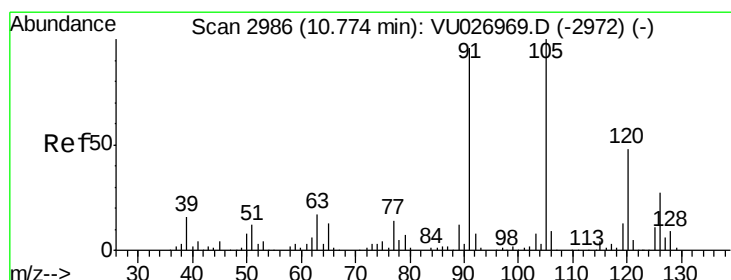
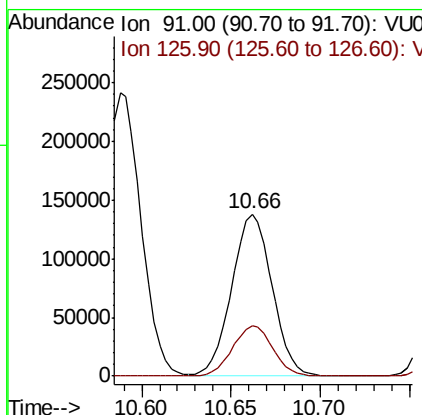
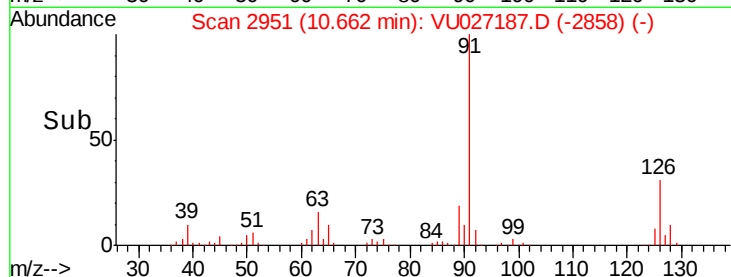
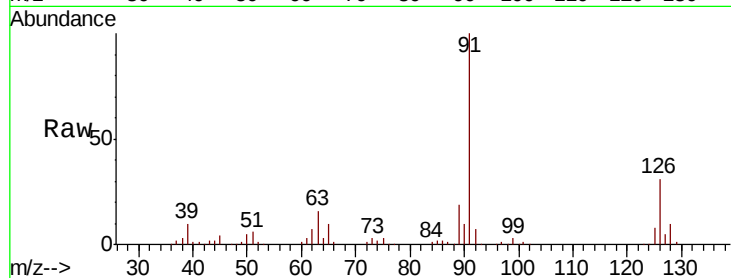
#79
 2-Chlorotoluene
 Concen: 51.632 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 215254
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.8 47.3

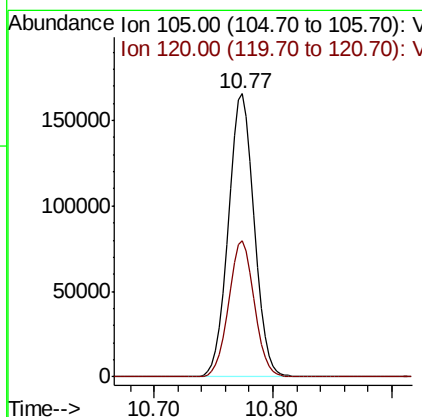
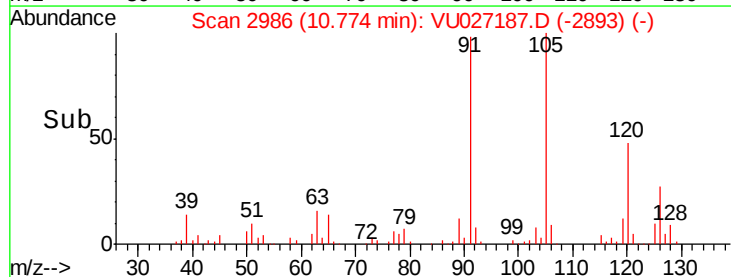
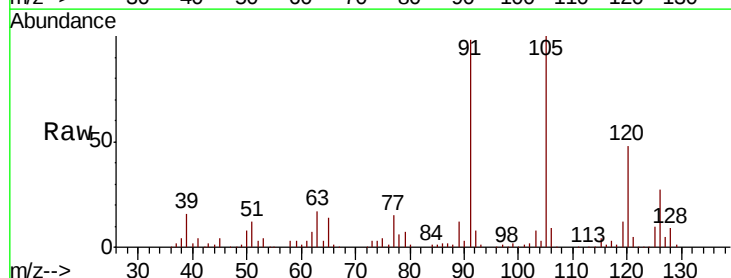
Manual Integrations
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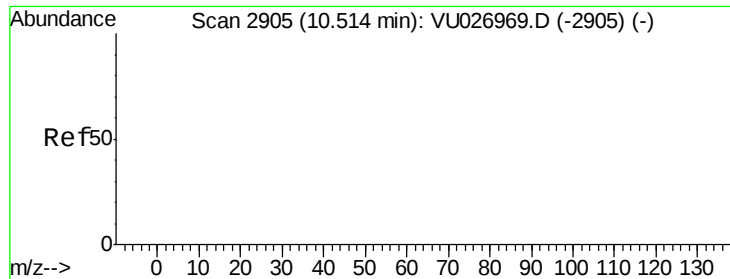
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 9/27/2018 3:33:22 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.674 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Tgt Ion: 105 Resp: 248533
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.7





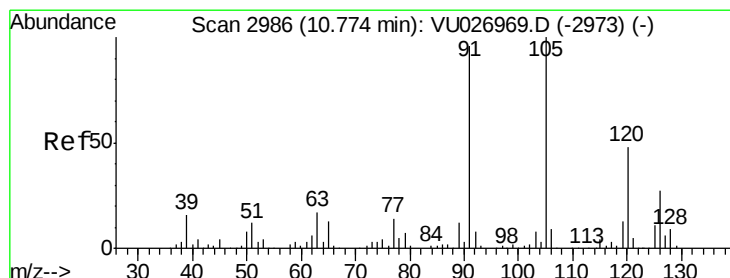
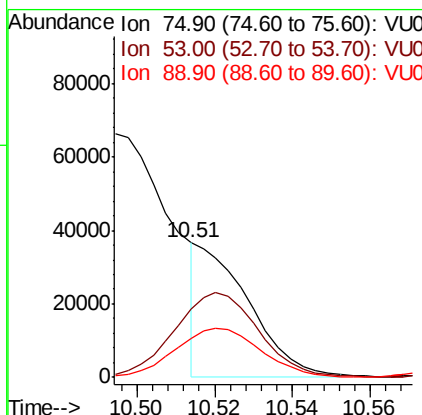
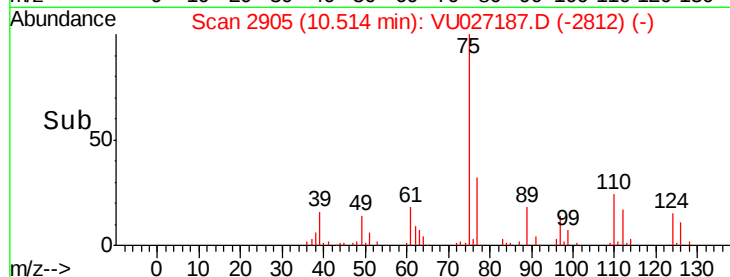
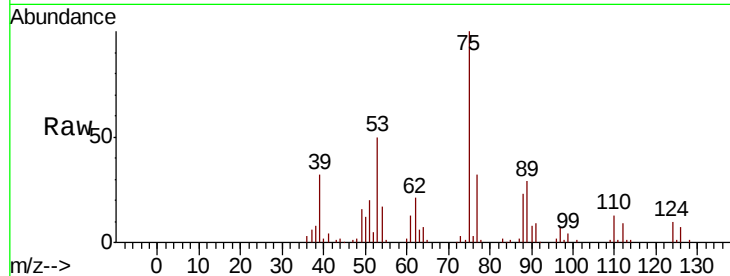
#81
trans-1,4-Dichloro-2-butene
Concen: 47.345 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

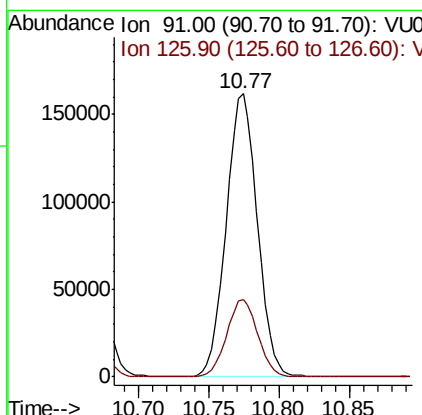
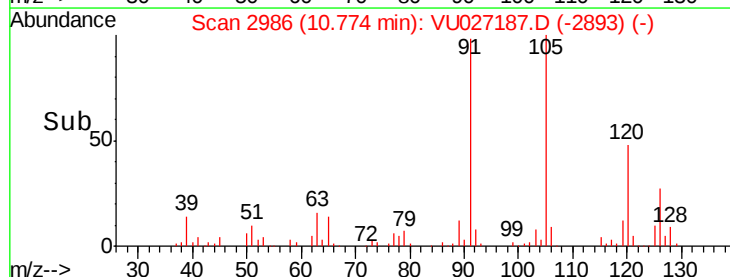
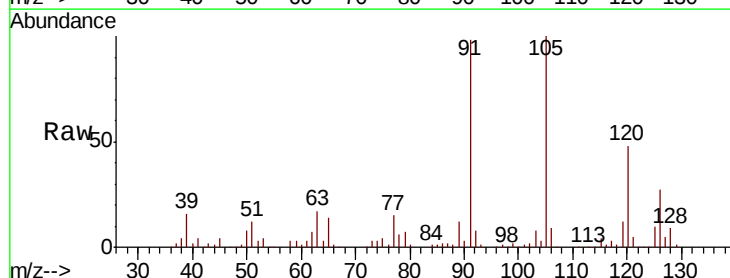
Manual Integrations
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#82
4-Chlorotoluene
Concen: 53.216 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.2





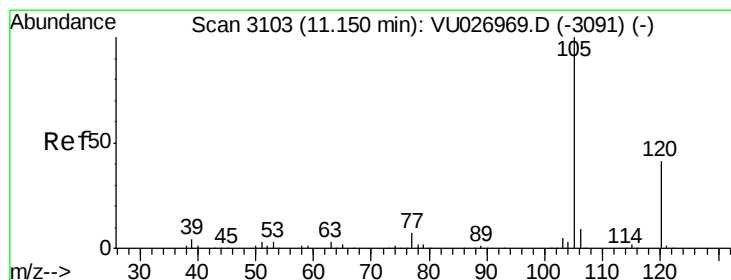
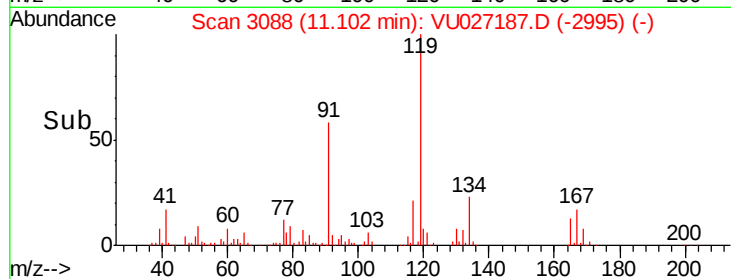
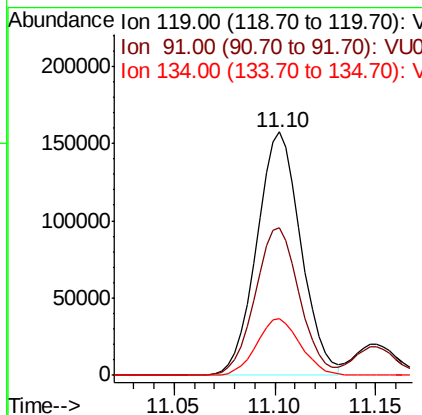
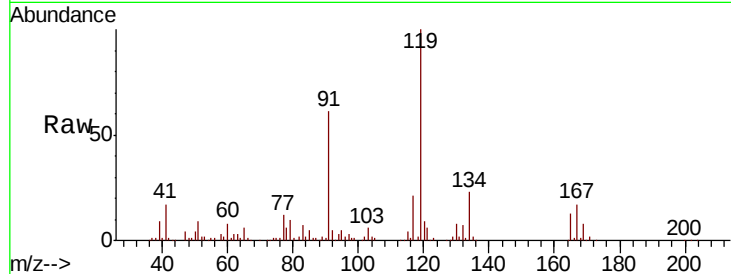
#83
tert-Butylbenzene
Concen: 52.478 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	240241		
91	61.2	29.8	89.4	
134	23.1	11.5	34.4	

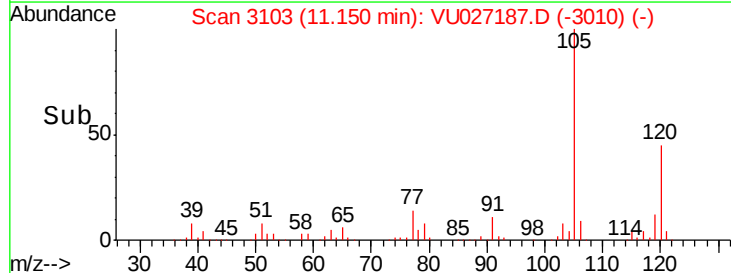
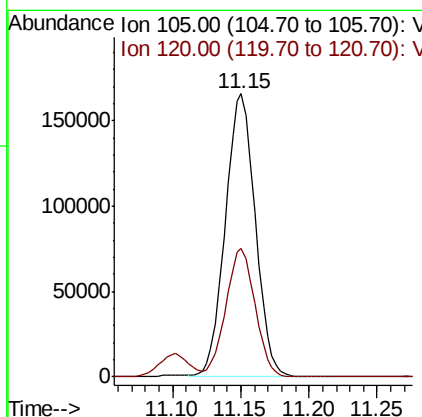
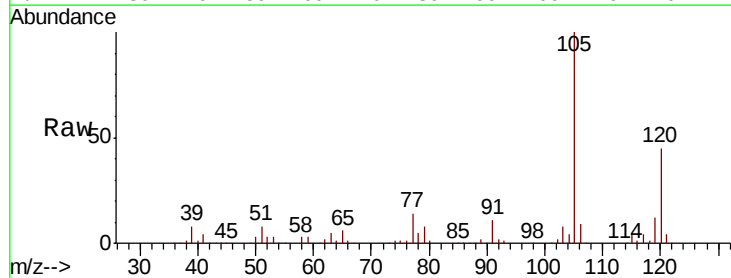
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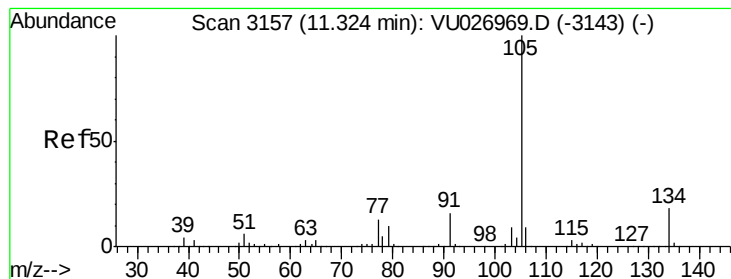
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#84
1,2,4-Trimethylbenzene
Concen: 53.763 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	253347		
120	44.5	22.4	67.2	





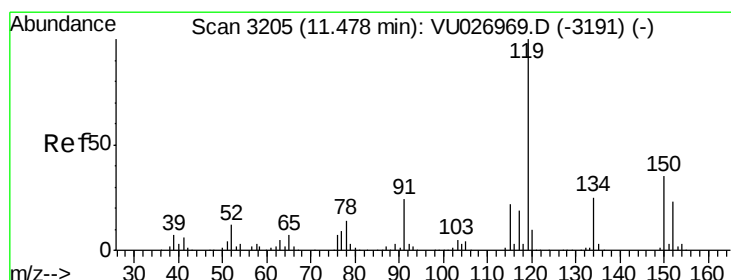
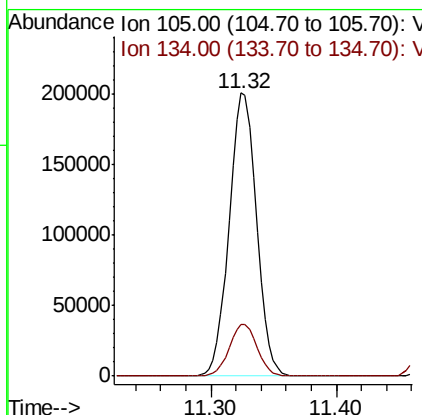
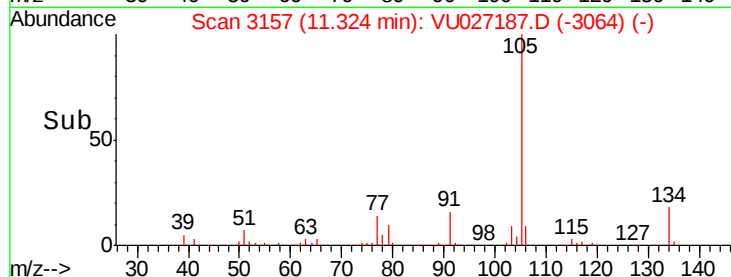
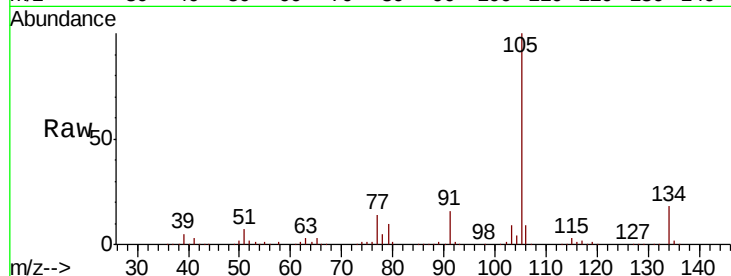
#85
 sec-Butylbenzene
 Concen: 54.441 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.4	28.2

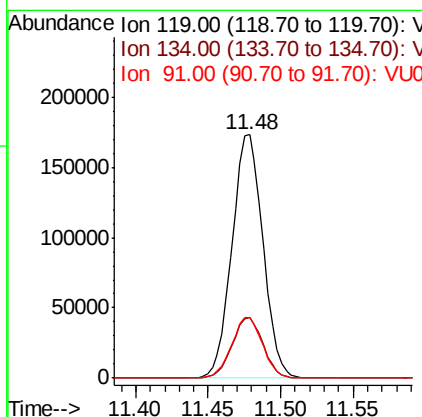
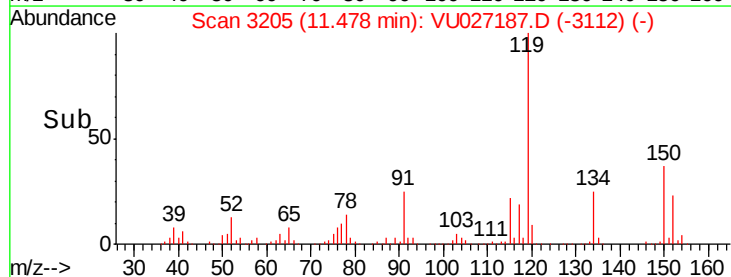
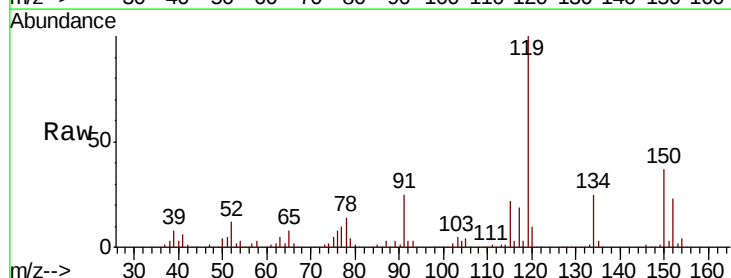
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#86
 p-Isopropyltoluene
 Concen: 49.004 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.8	38.3
91	24.9	12.3	36.8





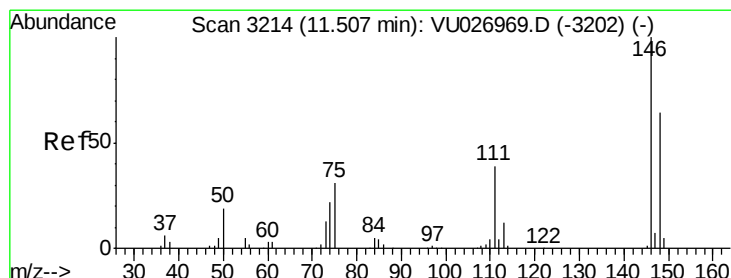
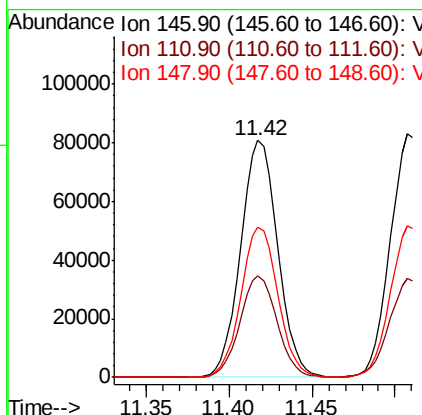
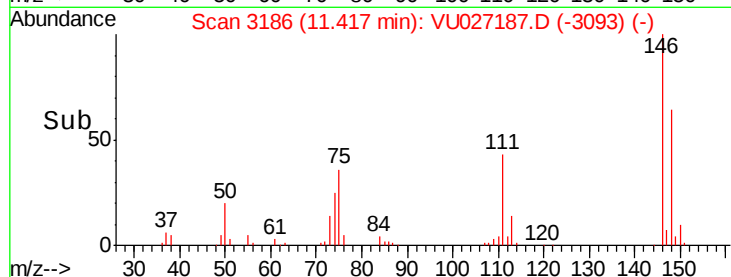
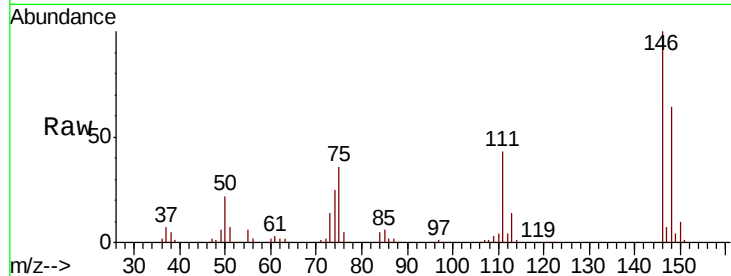
#87
 1,3-Dichlorobenzene
 Concen: 49.314 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.8	62.2
148	63.2	32.0	96.2

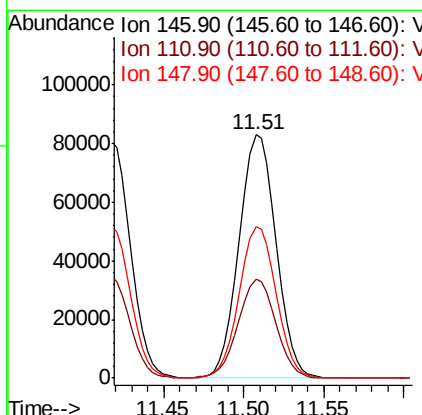
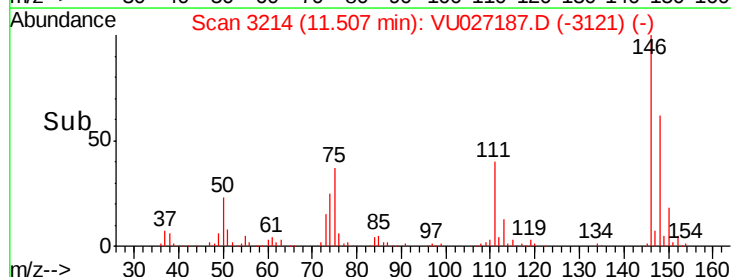
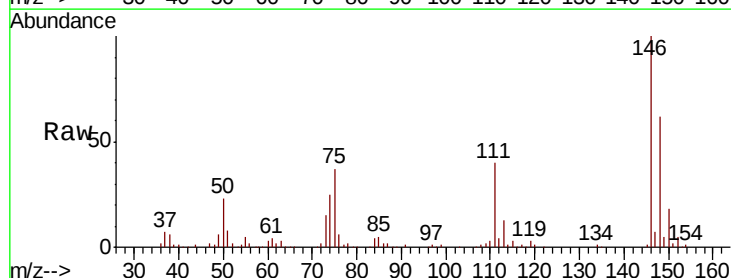
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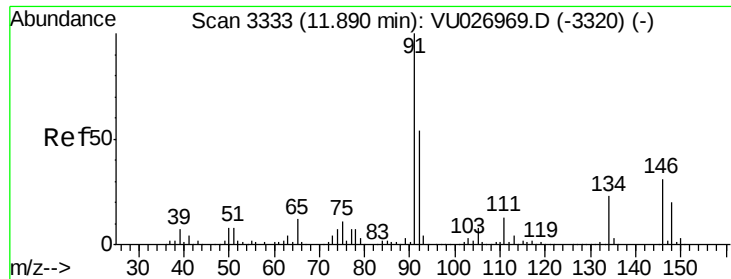
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#88
 1,4-Dichlorobenzene
 Concen: 46.903 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.9
148	62.5	31.9	95.9





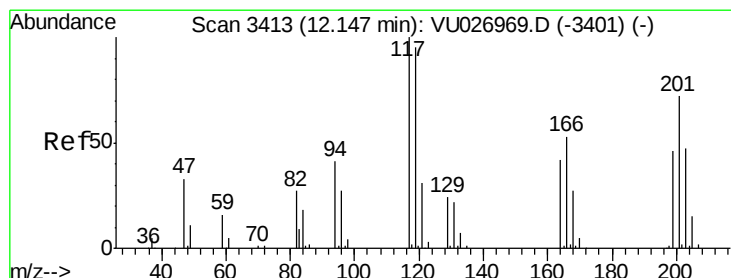
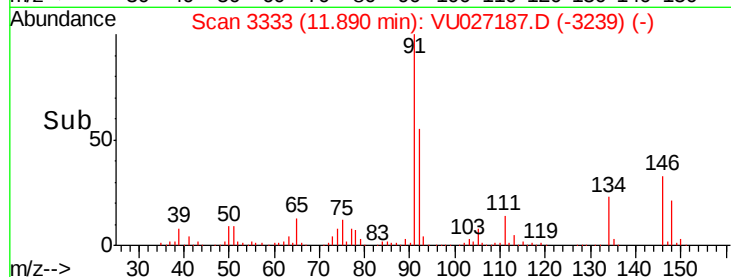
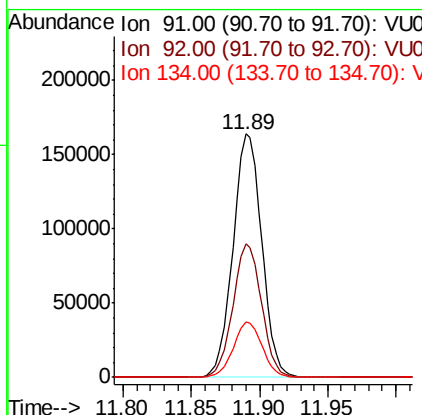
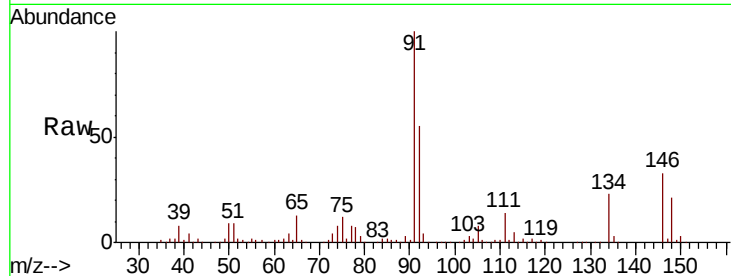
#89
n-Butylbenzene
Concen: 47.385 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.1	81.2
134	22.6	11.7	35.0

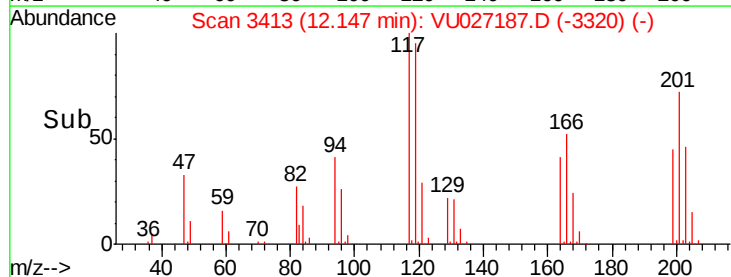
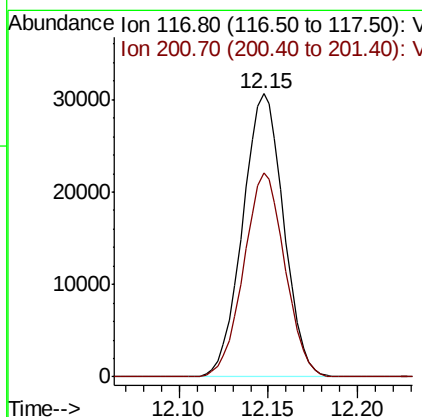
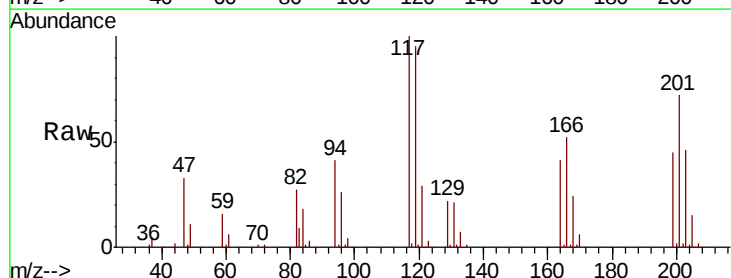
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#90
Hexachloroethane
Concen: 48.459 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	36.8	110.3





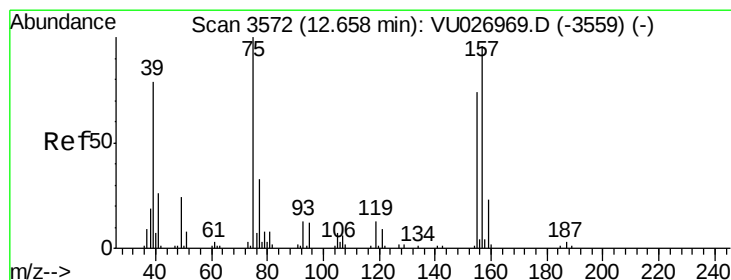
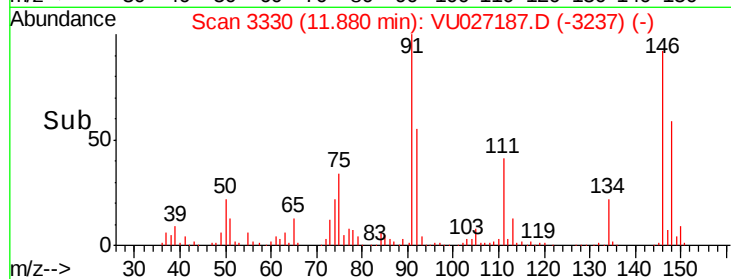
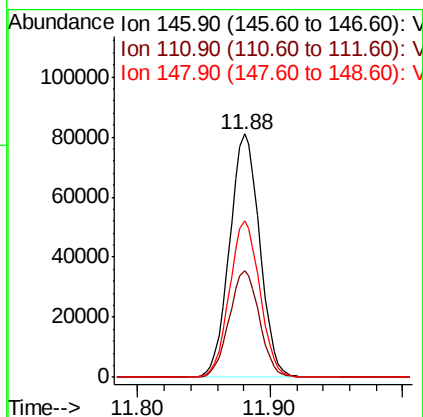
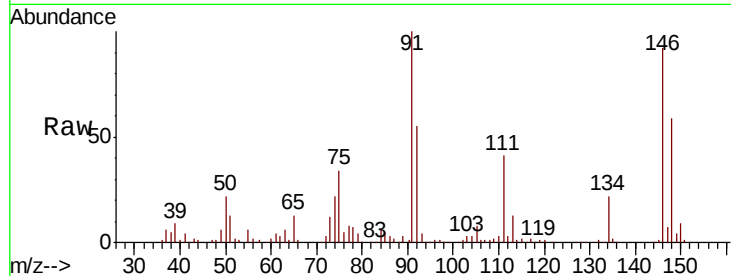
#91
1,2-Dichlorobenzene
Concen: 47.230 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.8	65.3
148	64.5	31.9	95.7

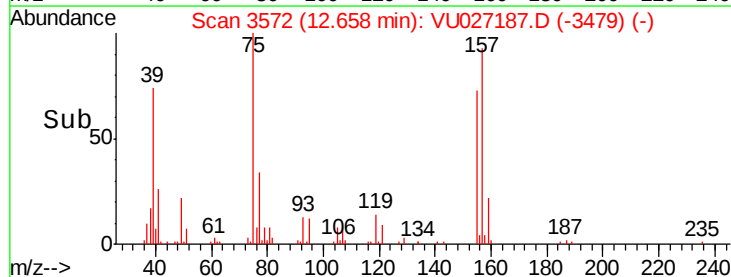
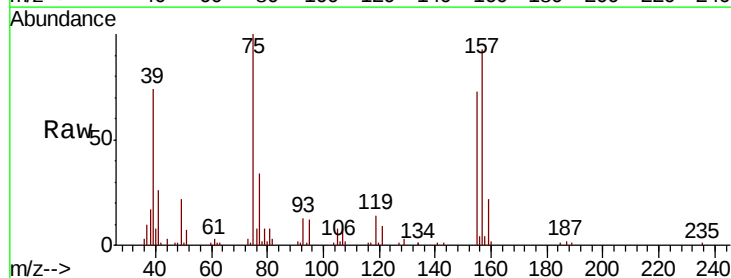
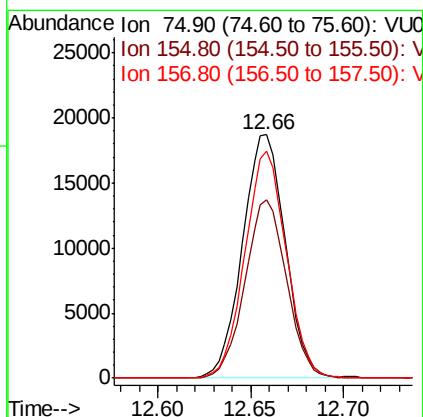
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#92
1,2-Dibromo-3-Chloropropane
Concen: 56.892 ug/l
RT: 12.66 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.2	36.6	109.8
157	90.1	47.4	142.2





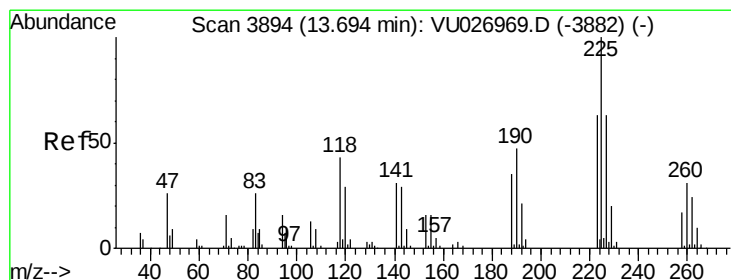
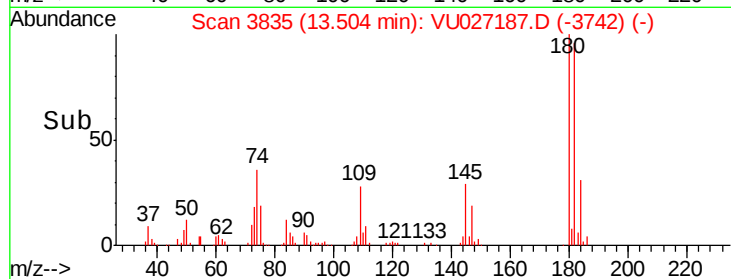
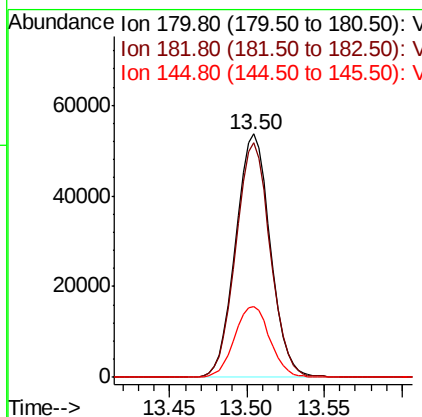
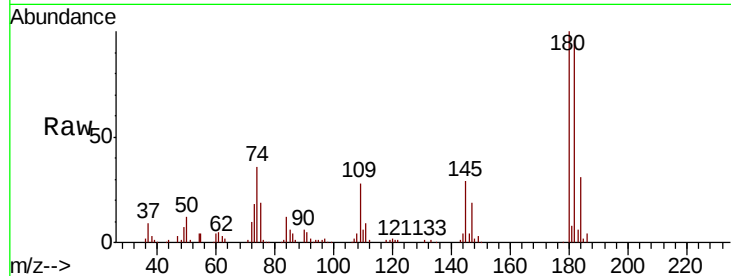
#93
 1,2,4-Trichlorobenzene
 Concen: 53.555 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.2
145	29.6	14.9	44.5

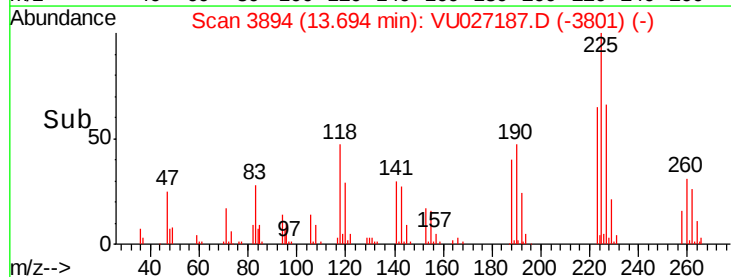
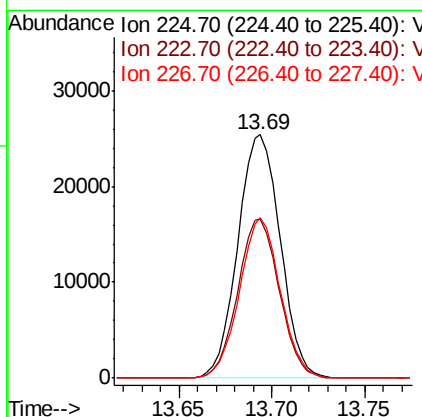
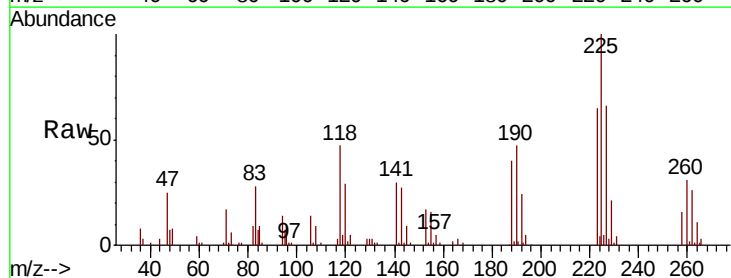
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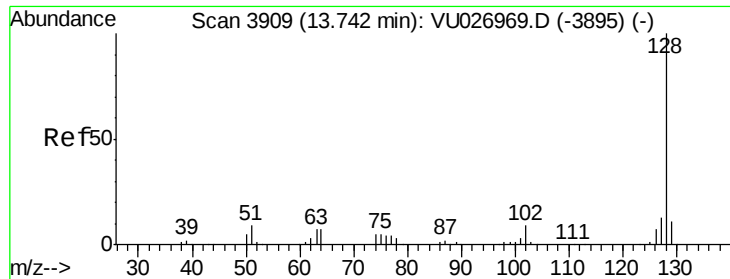
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#94
 Hexachlorobutadiene
 Concen: 49.034 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027187.D
 Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.2	32.1	96.5





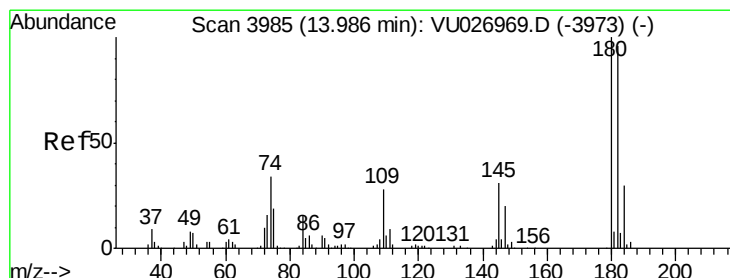
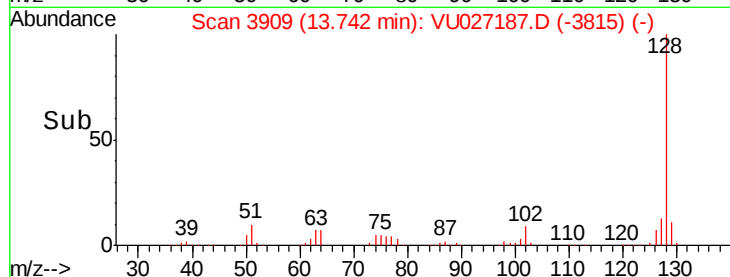
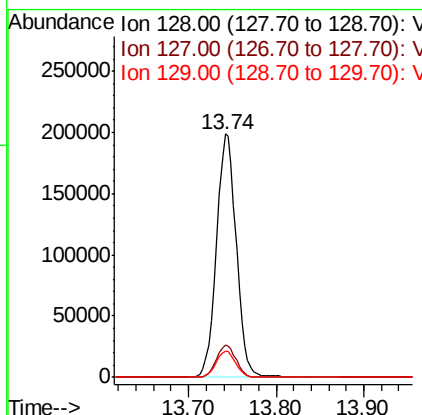
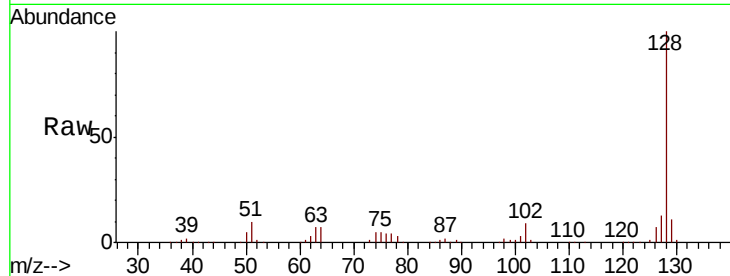
#95
Naphthalene
Concen: 51.145 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:33:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.331 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027187.D
Acq: 26 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	31.6	15.4	46.4

