

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U0112618\
 Data File : VU028331.D
 Acq On : 26 Nov 2018 11:25
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 2:33:37 PM

Quant Time: Nov 27 01:00:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 00:37:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	49219	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19136	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16946	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	180223	10.179	ug/l	100
3) Chloromethane	1.32	50	288214	9.564	ug/l	100
4) Vinyl Chloride	1.40	62	210932	10.227	ug/l	100
5) Bromomethane	1.63	94	73621	9.060	ug/l	100
6) Chloroethane	1.70	64	118495	9.841	ug/l	100
7) Trichlorofluoromethane	1.89	101	228105	10.127	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	132214	10.205	ug/l	100
9) 1,1-Dichloroethene	2.29	96	117614	9.815	ug/l	100
10) Iodomethane	2.41	142	90059	11.112	ug/l	100
11) Allyl Chloride	2.59	41	306386	10.128	ug/l	100
12) Acrylonitrile	2.95	53	72437	18.977	ug/l	100
13) Acetone	2.33	43	160704	45.431	ug/l	100
14) Carbon Disulfide	2.48	76	454366	9.982	ug/l	100
15) Methylene Chloride	2.70	84	142284	9.737	ug/l	100
16) trans-1,2-Dichloroethene	2.98	96	133268	9.937	ug/l	100
17) 1,1-Dichloroethane	3.44	63	300362	10.047	ug/l	100
18) 2-Butanone	4.29	43	280277	53.026	ug/l	100
19) Cyclohexane	4.99	56	268284	10.337	ug/l	100
20) Methylcyclohexane	6.41	83	267402	10.525	ug/l	100
21) 2,2-Dichloropropane	4.22	77	241163	10.051	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	163755	10.434	ug/l	100
23) Diethyl Ether	2.11	59	121948	10.151	ug/l	100
24) tert-Butyl Alcohol	2.86	59	125110	107.671	ug/l	100
25) Methyl tert-Butyl Ether	3.01	73	364212	10.232	ug/l	100
26) Bromochloromethane	4.55	128	61766	10.325	ug/l	100
27) Chloroform	4.67	83	276754	9.599	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	225754	10.026	ug/l	100
29) 1,1-Dichloropropene	5.13	75	222000	10.278	ug/l	100
30) Carbon Tetrachloride	5.13	117	179427	9.868	ug/l	100
31) Isopropyl Ether	3.58	45	545551	10.190	ug/l	100
32) Ethyl-t-butyl ether	4.08	59	450807	10.223	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	379243	10.368	ug/l	100
34) Propionitrile	4.35	54	70195	52.865	ug/l	100
35) Benzene	5.39	78	651195	10.241	ug/l	100
36) 1,2-Dichloroethane	5.40	62	191142	10.050	ug/l	100
37) Trichloroethene	6.18	130	141968	10.251	ug/l	100
38) 1,2-Dichloropropane	6.43	63	185649	10.238	ug/l	100
39) Methacrylonitrile	4.55	41	71451	10.046	ug/l	100
40) Methyl acrylate	4.43	55	98373	10.053	ug/l	100
41) Tetrahydrofuran	4.66	42	72697	20.334	ug/l	100
42) 1-Chlorobutane	5.06	56	354680	10.330	ug/l	100

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Quant Time: Nov 27 01:00:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	80082	10.374	ug/l	100
44) Bromodichloromethane	6.76	83	207105	10.160	ug/l	100
45) 4-Methyl-2-Pentanone	7.47	43	652404	52.617	ug/l	100
46) t-1,4-Dichloro-2-butene	10.52	75	99115m	22.294	ug/l	
47) Methyl methacrylate	6.63	69	165894	21.054	ug/l	100
48) Ethyl methacrylate	8.02	69	168282	10.677	ug/l	100
49) Toluene	7.64	92	373620	10.580	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	205285	10.486	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	250196	10.349	ug/l	100
52) 1,1,2-Trichloroethane	8.07	97	110070	10.156	ug/l	100
53) 1,3-Dichloropropane	8.24	76	206666	10.209	ug/l	100
54) 2-Hexanone	8.37	43	464489	52.075	ug/l	100
55) Dibromochloromethane	8.48	129	122358	10.614	ug/l	100
56) 1,2-Dibromoethane	8.58	107	99980	10.128	ug/l	100
58) Tetrachloroethene	8.22	164	129467	10.210	ug/l	100
59) Chlorobenzene	9.12	112	379011	10.314	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	126615	10.168	ug/l	100
61) Pentachloroethane	11.10	117	99138	10.230	ug/l	100
62) Hexachloroethane	12.14	117	94263	10.380	ug/l	100
63) Ethyl Benzene	9.25	91	721070	10.635	ug/l	100
64) m/p-Xylenes	9.37	106	521977	21.272	ug/l	100
65) o-Xylene	9.78	106	255569	10.793	ug/l	100
66) Styrene	9.79	104	436821	10.755	ug/l	100
67) Bromoform	9.96	173	67697	10.478	ug/l	100
69) Isopropylbenzene	10.17	105	678561	10.702	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	150756	10.370	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	104601m	10.444	ug/l	
72) Bromobenzene	10.45	156	150601	10.701	ug/l	100
73) n-propylbenzene	10.58	120	180833	10.996	ug/l	100
74) 2-Chlorotoluene	10.66	126	151432	10.509	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	585228	10.967	ug/l	100
76) 4-Chlorotoluene	10.77	126	159896	10.945	ug/l	100
77) tert-Butylbenzene	11.10	119	538072	10.710	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	587728	10.748	ug/l	100
79) sec-Butylbenzene	11.32	105	758095	10.824	ug/l	100
80) Nitrobenzene	12.86	77	35894	54.807	ug/l	100
81) p-Isopropyltoluene	11.48	119	612669	11.008	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	298922	10.604	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	299867	10.688	ug/l	100
84) n-Butylbenzene	11.89	91	657457	11.252	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	281613	10.496	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	24184	10.342	ug/l	100
87) 1,2,4-Trichlorobenzene	13.50	180	207171	10.984	ug/l	100
88) Hexachlorobutadiene	13.69	225	108071	10.590	ug/l	100
89) Naphthalene	13.74	128	405203	10.870	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	190570	10.715	ug/l	100

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

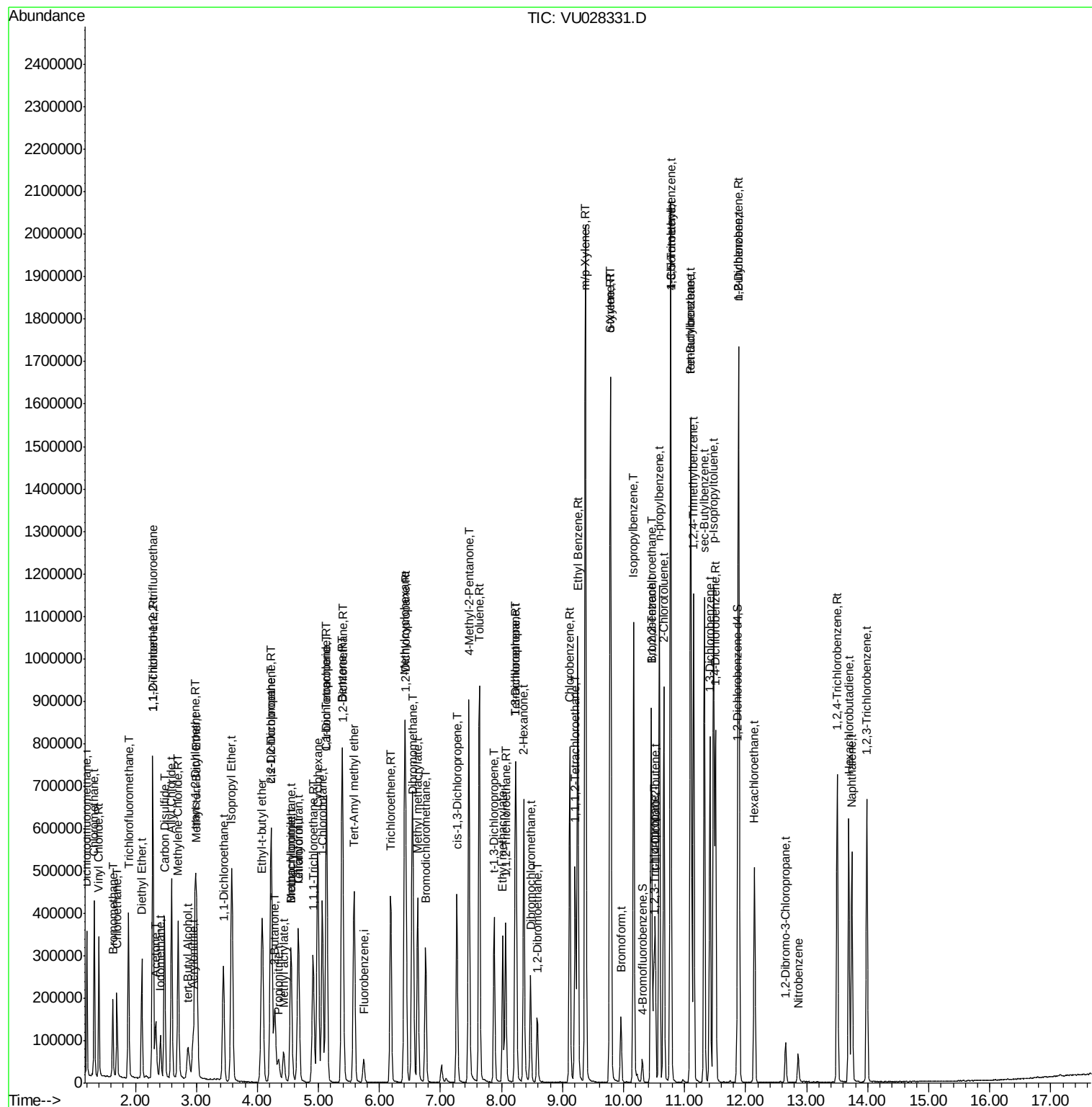
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
 Data File : VU028331.D
 Acq On : 26 Nov 2018 11:25
 Operator : MD/SY
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 ALS Vial : 6 Sample Multiplier: 1

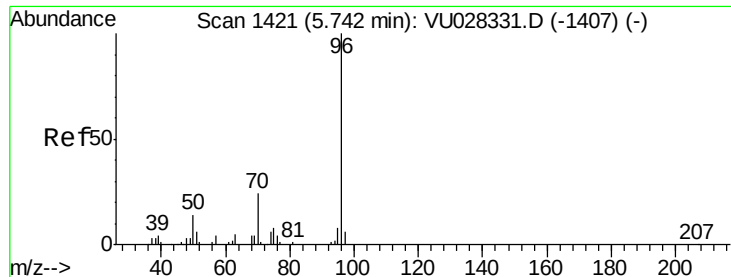
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1421

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

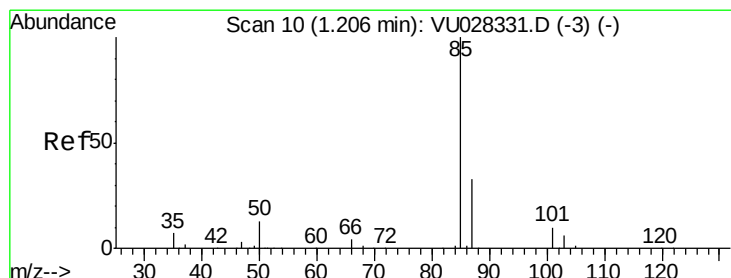
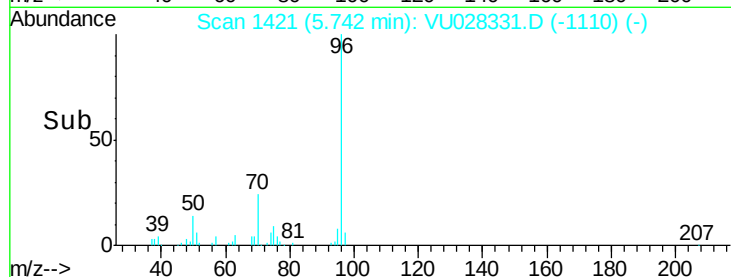
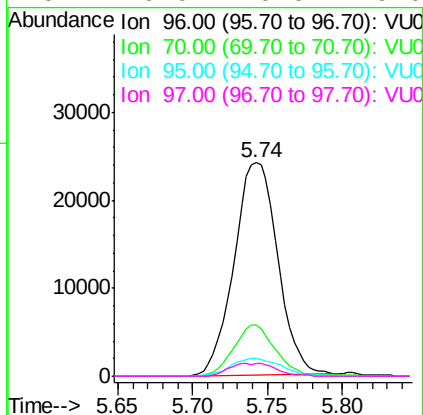
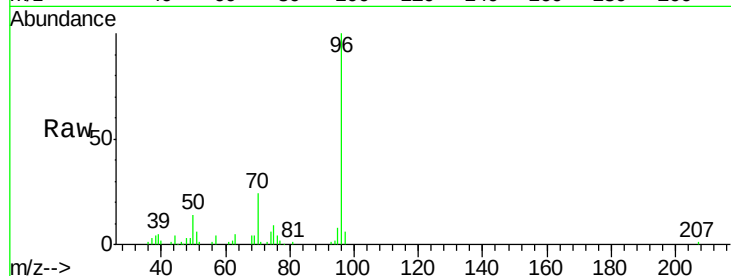
ClientSampleId :

VSTDICCC010

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		49219		
70	22.3	17.8	26.8		
95	9.5	7.6	11.4		
97	0.0	0.0	0.0		

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.179 ug/l

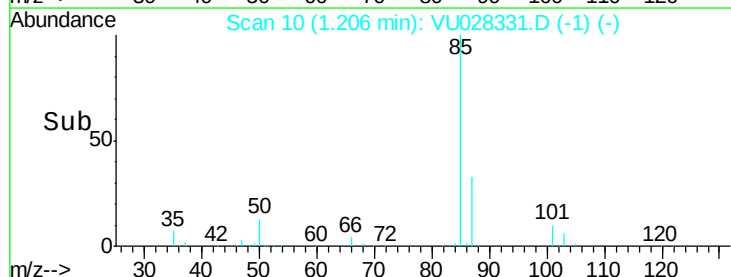
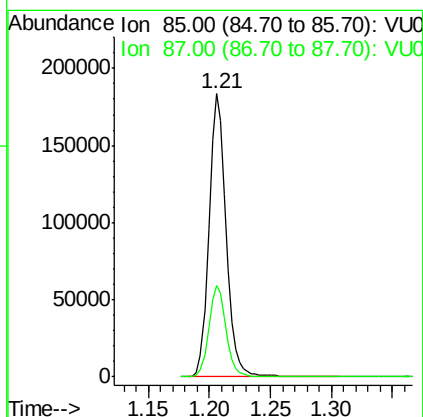
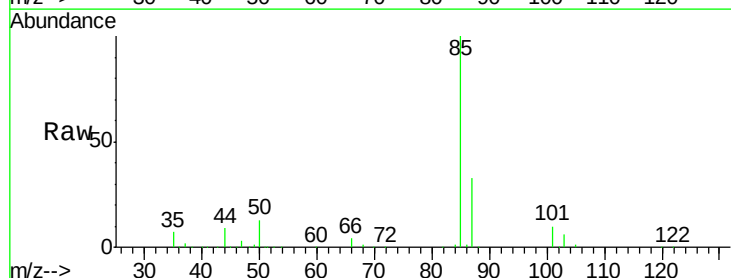
RT: 1.21 min Scan# 10

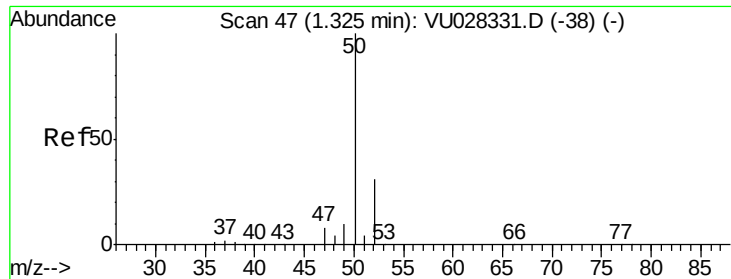
Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		180223		
87	32.5	16.3	48.8		





#3

Chloromethane

Concen: 9.564 ug/l

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 50 Resp: 288214

Ion Ratio Lower Upper

50 100

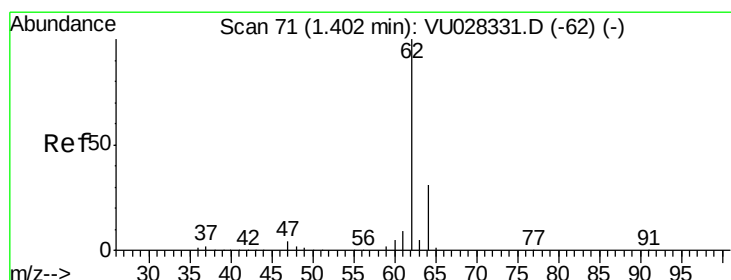
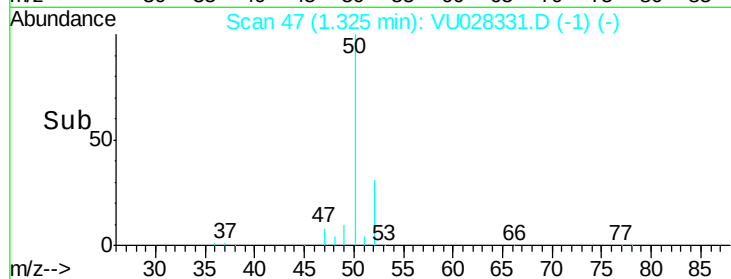
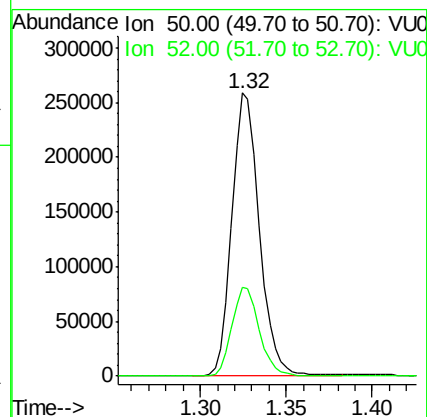
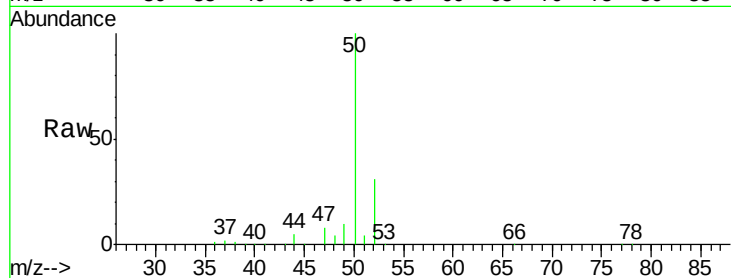
52 31.4 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.227 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028331.D

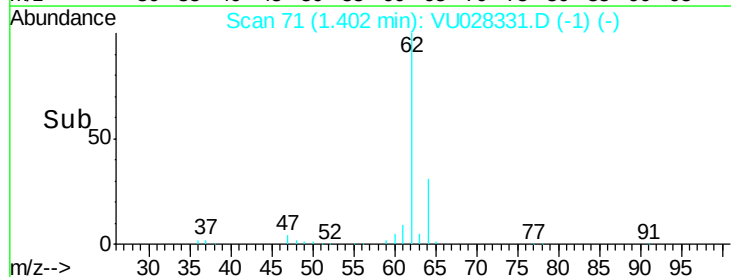
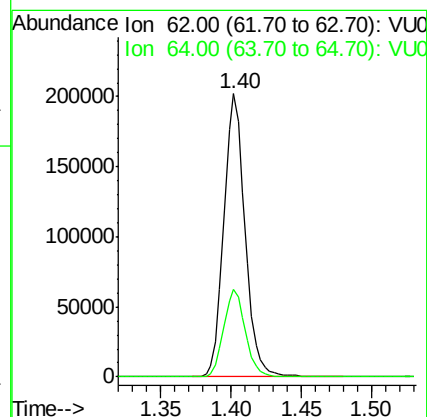
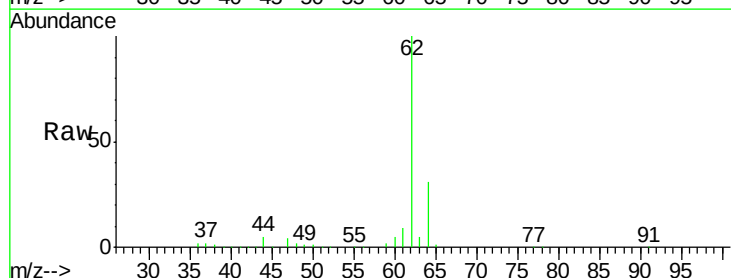
Acq: 26 Nov 2018 11:25

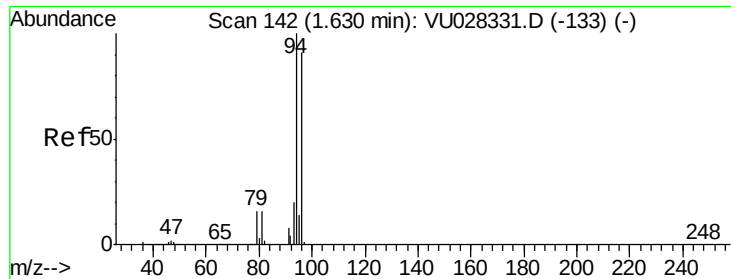
Tgt Ion: 62 Resp: 210932

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 9.060 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 94 Resp: 73621

Ion Ratio Lower Upper

94 100

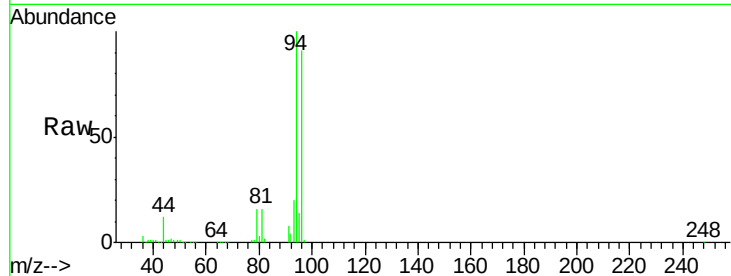
96 91.4 73.1 109.7

Manual Integrations

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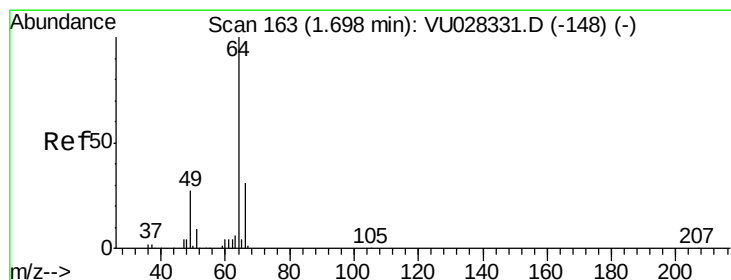
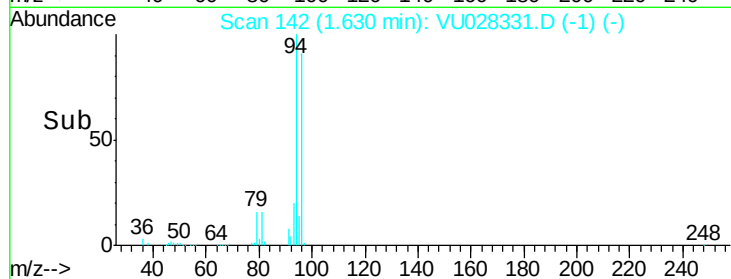
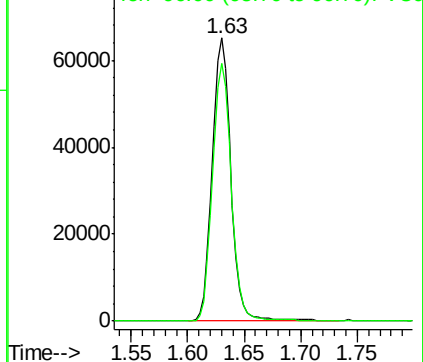
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 9.841 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU028331.D

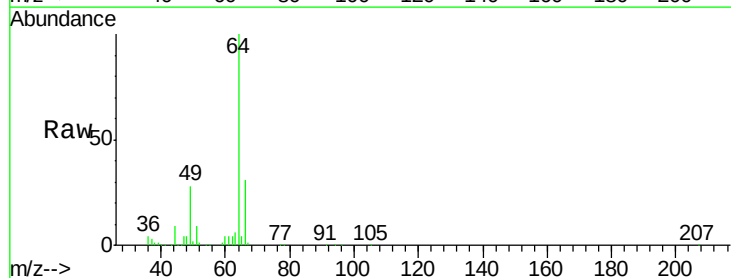
Acq: 26 Nov 2018 11:25

Tgt Ion: 64 Resp: 118495

Ion Ratio Lower Upper

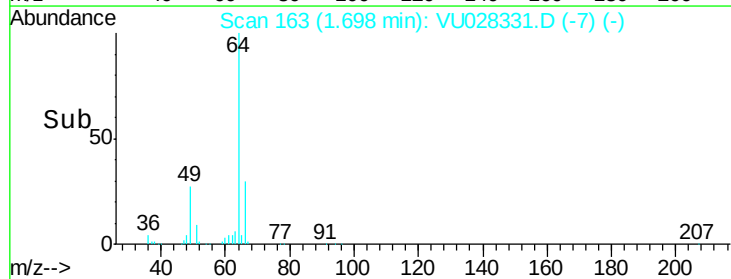
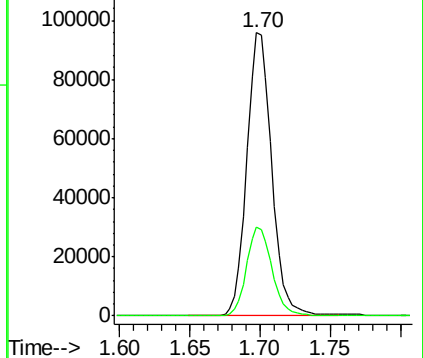
64 100

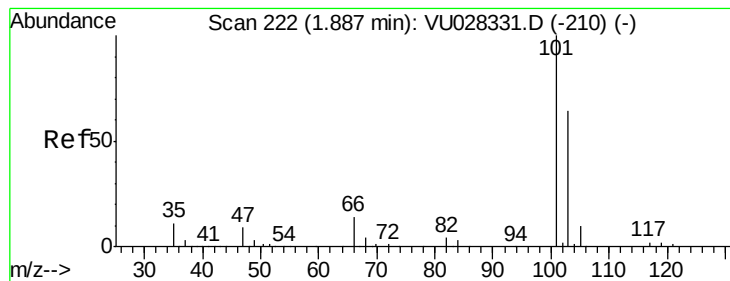
66 31.4 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

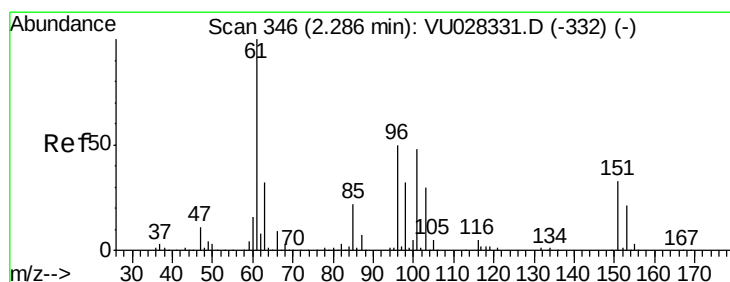
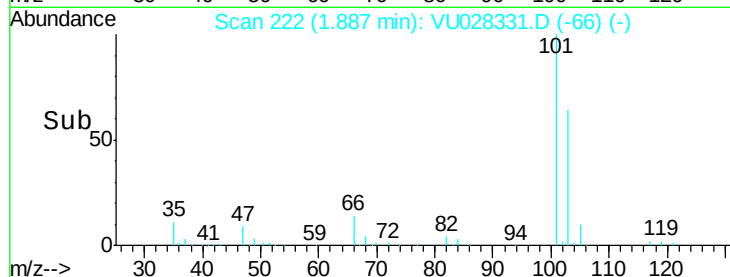
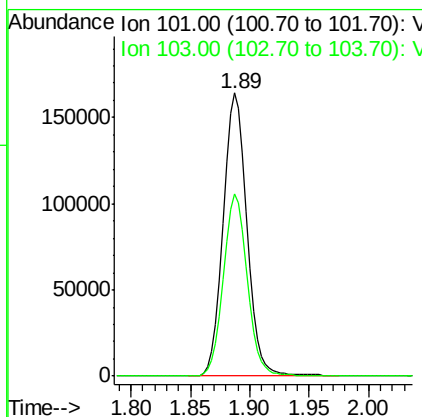
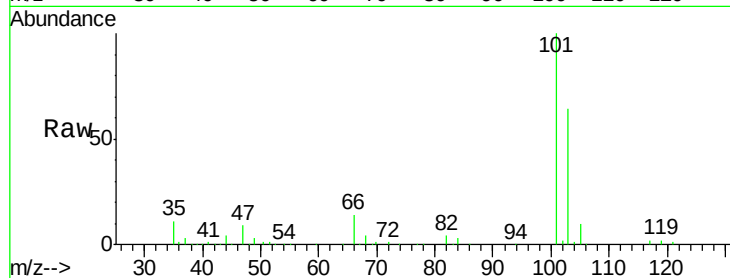
Trichlorofluoromethane
Concen: 10.127 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
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ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	228105		
103	64.2	51.4	77.0	

Manual Integrations
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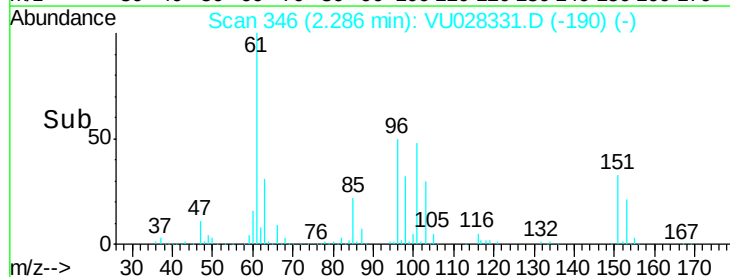
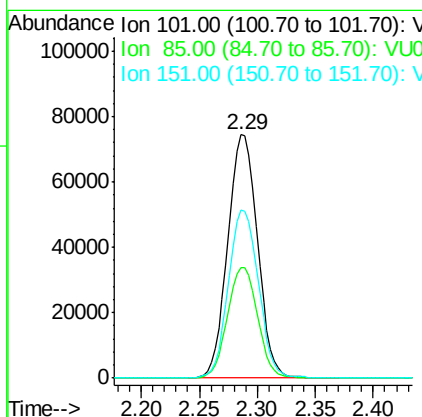
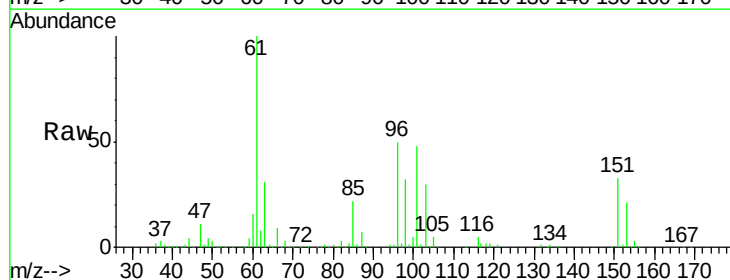
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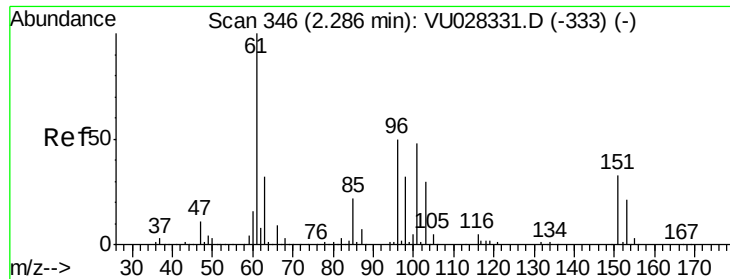


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.205 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	132214		
85	45.9	36.7	55.1	
151	69.7	55.8	83.6	





#9

1,1-Dichloroethene

Concen: 9.815 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

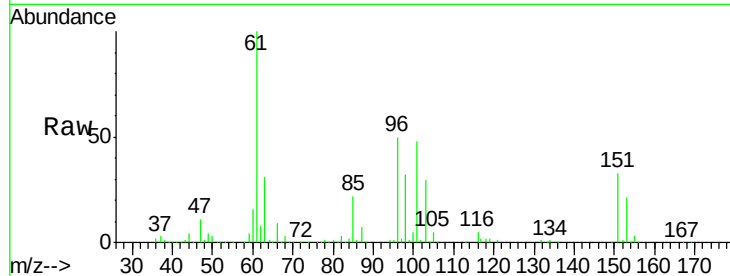
ClientSampleId :

VSTDICCC010

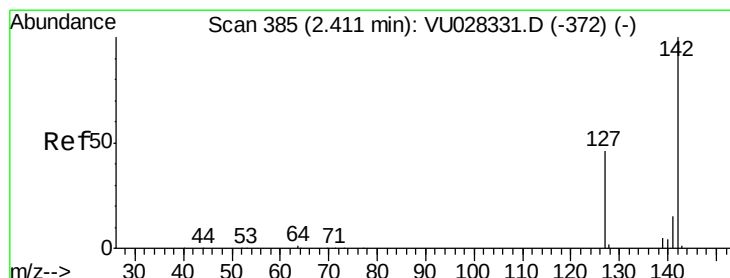
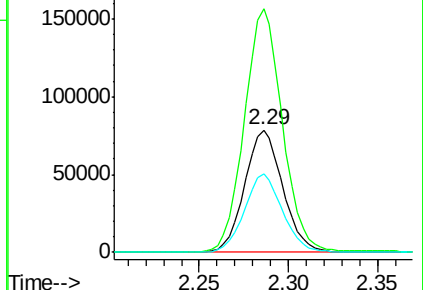
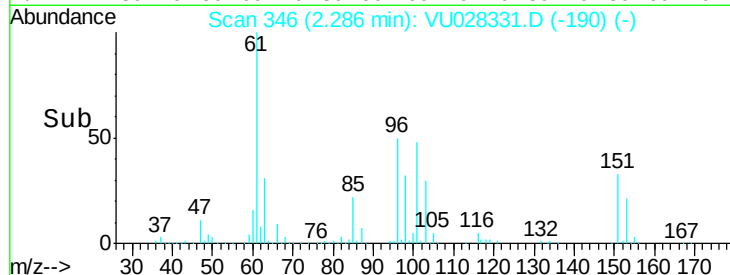
Tgt Ion:	96	Resp:	117614
Ion Ratio	Lower	Upper	
96	100		
61	199.2	0.0	597.6
98	63.8	0.0	127.6

Manual Integrations
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Abundance Ion 96.00 (95.70 to 96.70): VU028331.D (-190) (-)



#10

Iodomethane

Concen: 11.112 ug/l

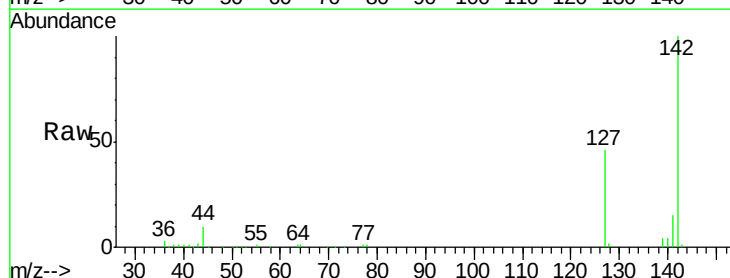
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

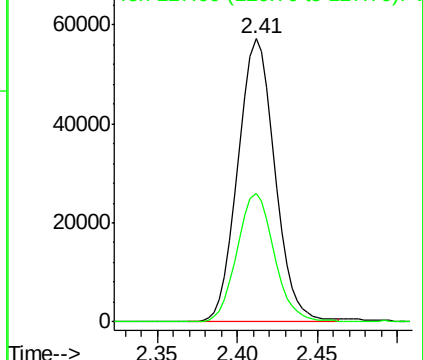
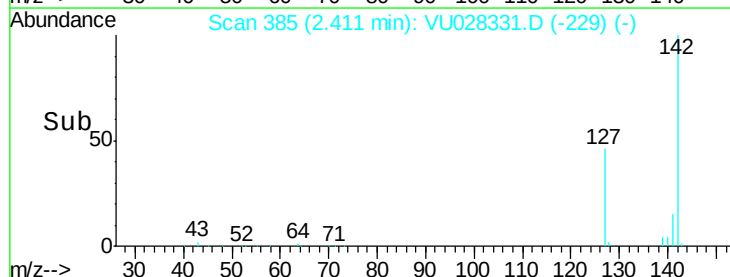
Lab File: VU028331.D

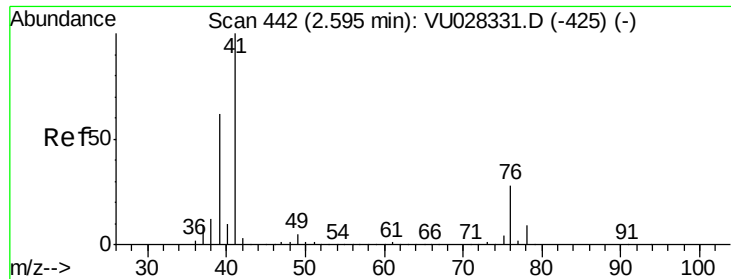
Acq: 26 Nov 2018 11:25

Tgt Ion:	142	Resp:	90059
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.4	54.6



Abundance Ion 142.00 (141.70 to 142.70): VU028331.D (-229) (-)





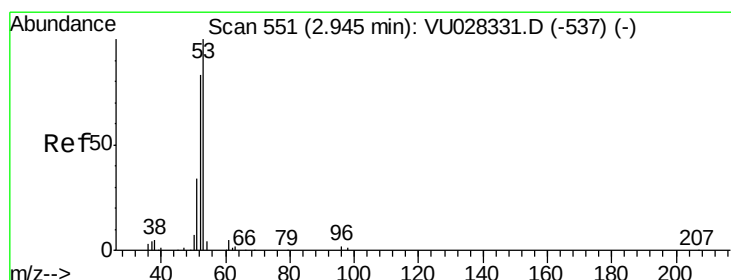
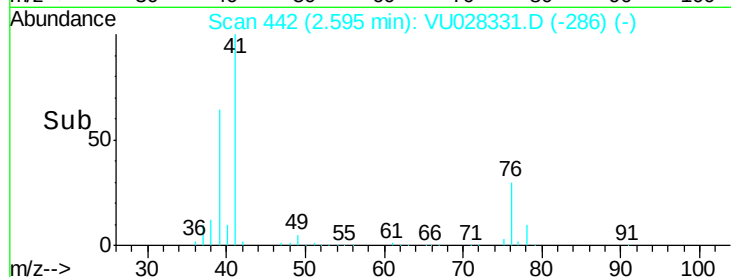
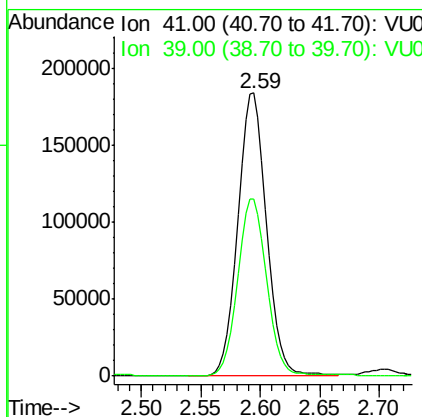
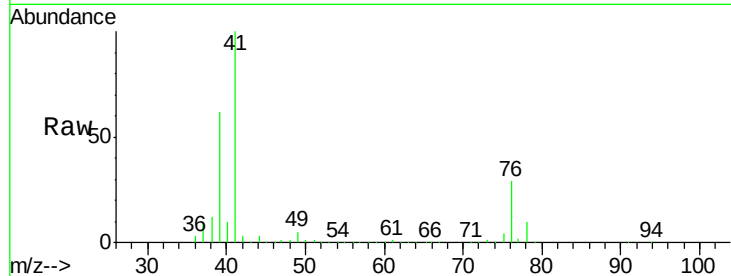
#11
 Allyl Chloride
 Concen: 10.128 ug/l
 RT: 2.59 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 41 Resp: 306386
 Ion Ratio Lower Upper
 41 100
 39 63.5 50.8 76.2

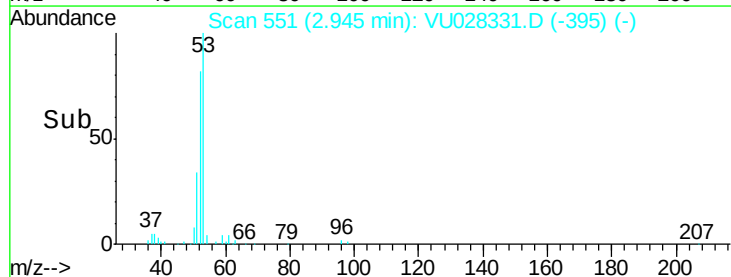
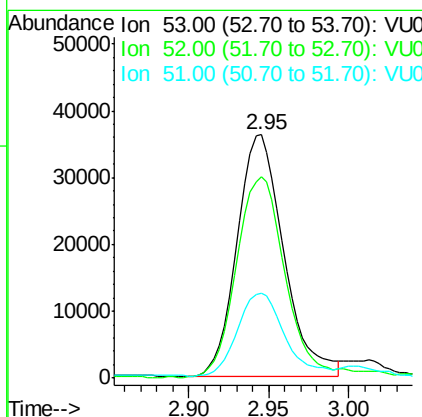
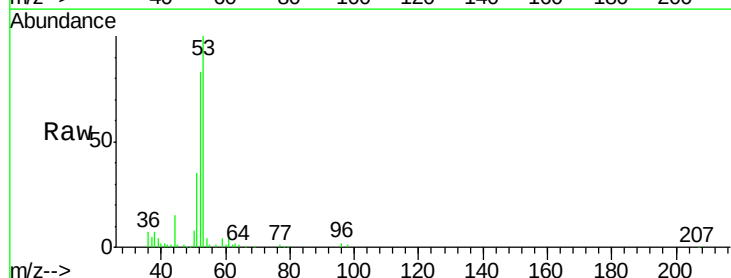
Manual Integrations
 APPROVED

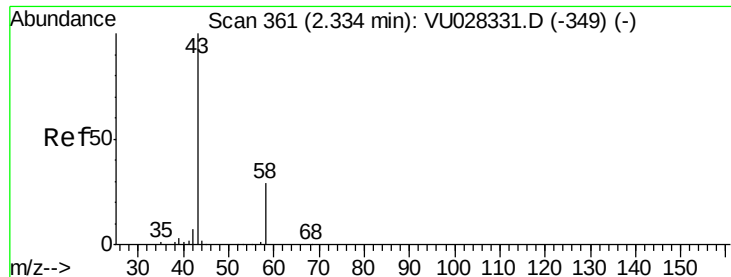
MMDadoda
 11/30/2018 2:33:37 PM



#12
 Acrylonitrile
 Concen: 18.977 ug/l
 RT: 2.95 min Scan# 551
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Tgt Ion: 53 Resp: 72437
 Ion Ratio Lower Upper
 53 100
 52 86.6 69.3 103.9
 51 34.8 27.8 41.8





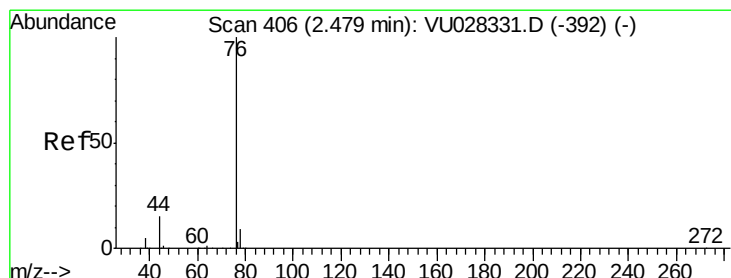
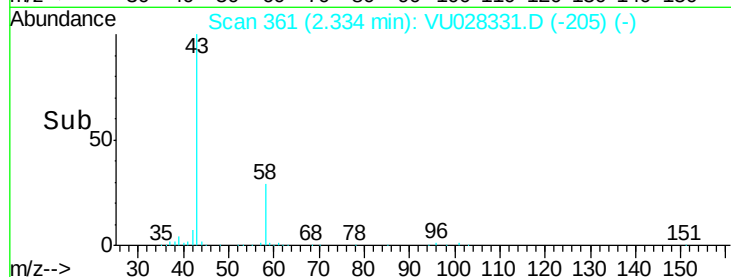
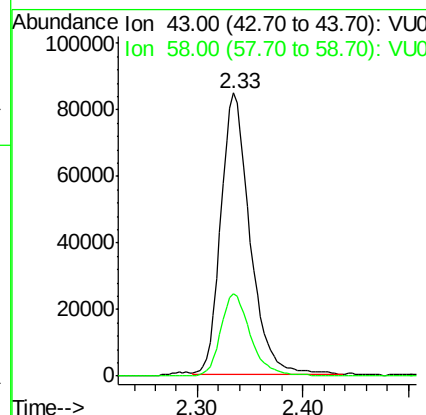
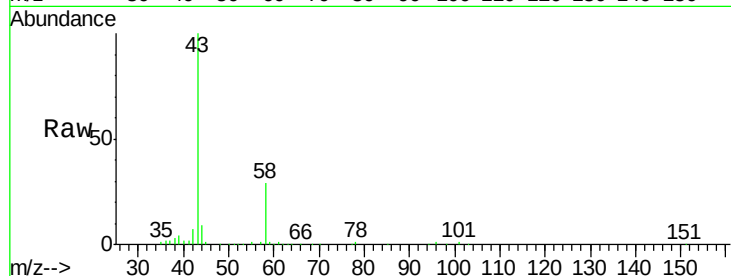
#13
Acetone
Concen: 45.431 ug/l
RT: 2.33 min Scan# 361
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 160704
Ion Ratio Lower Upper
43 100
58 28.9 23.1 34.7

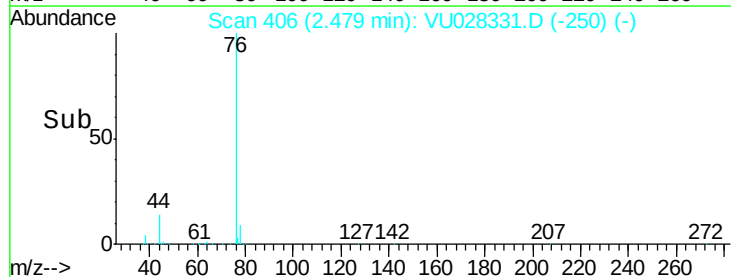
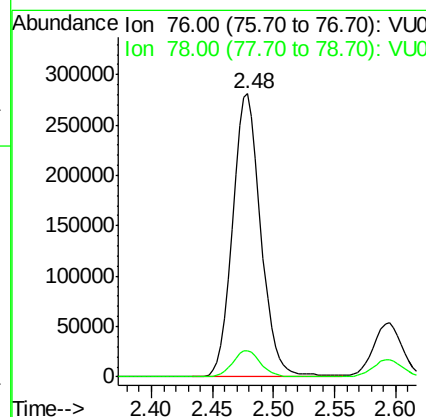
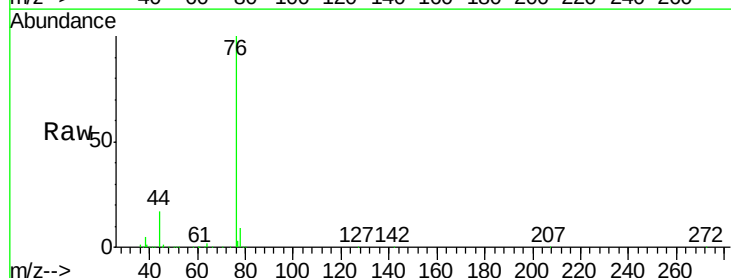
Manual Integrations
APPROVED

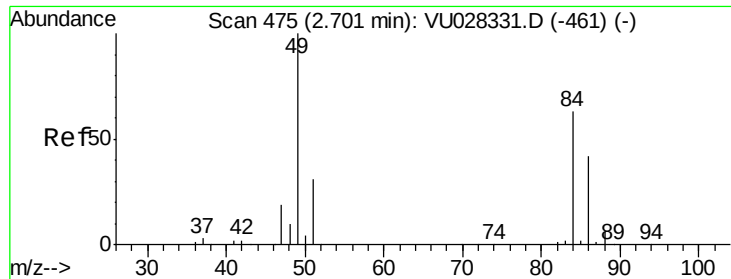
MMDadoda
11/30/2018 2:33:37 PM



#14
Carbon Disulfide
Concen: 9.982 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion: 76 Resp: 454366
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2





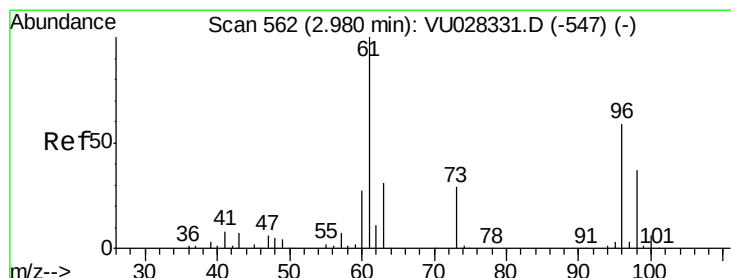
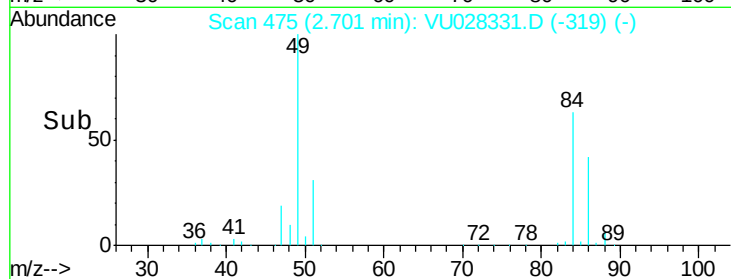
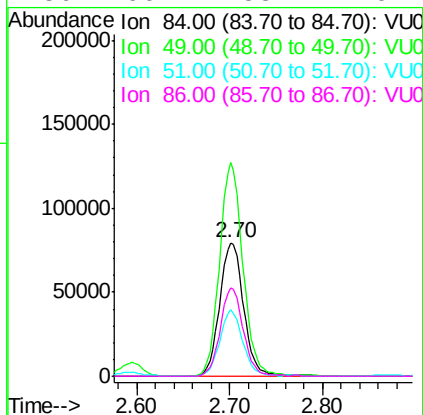
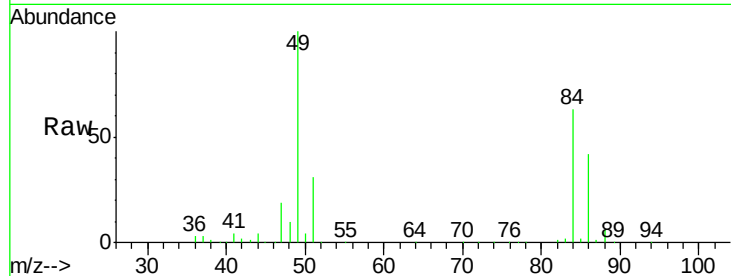
#15
Methylene Chloride
Concen: 9.737 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.6	127.7	191.5
51	49.1	0.0	98.2
86	66.4	53.1	79.7

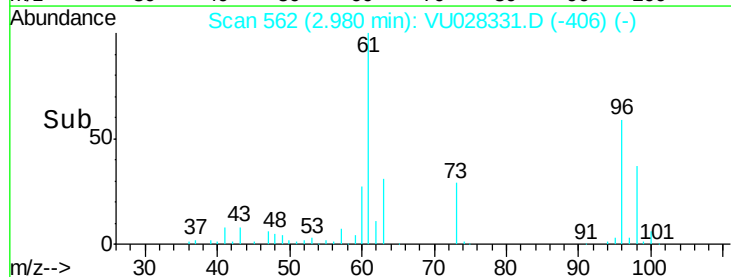
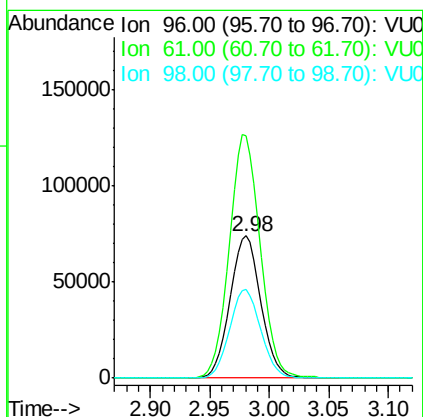
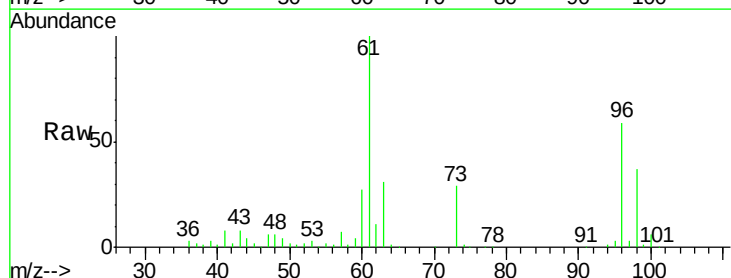
Manual Integrations
APPROVED

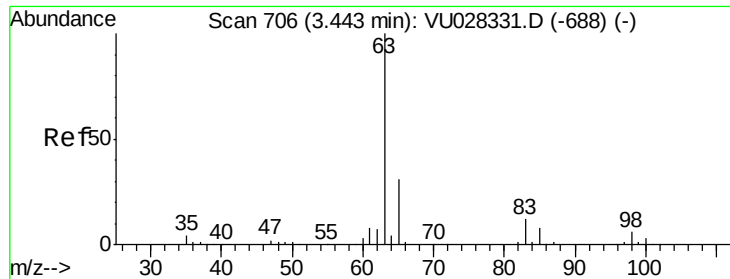
MMDadoda
11/30/2018 2:33:37 PM



#16
trans-1,2-Dichloroethene
Concen: 9.937 ug/l
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.5	136.4	204.6
98	62.3	49.8	74.8





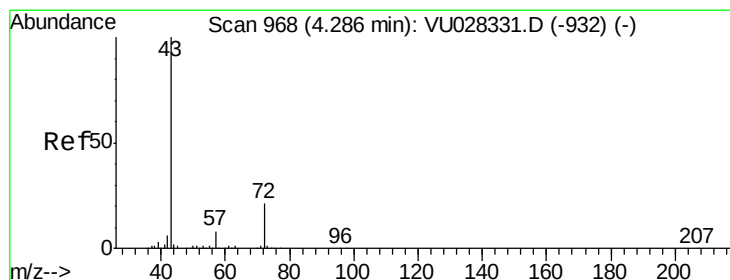
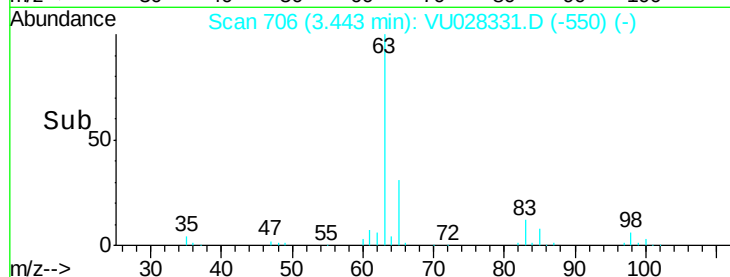
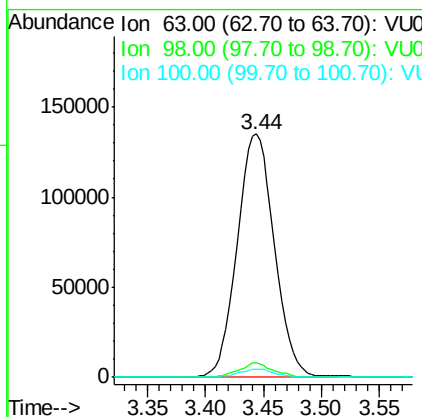
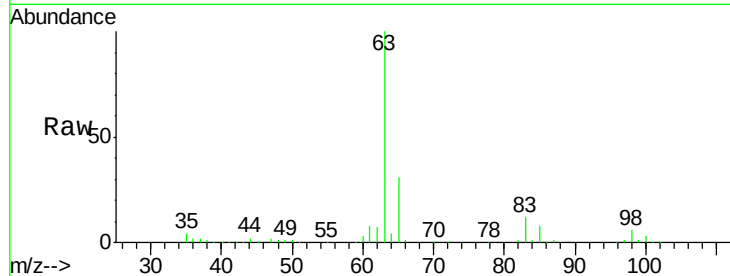
#17
 1,1-Dichloroethane
 Concen: 10.047 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	300362		
98	6.0	3.0	9.0	
100	3.5	1.8	5.3	

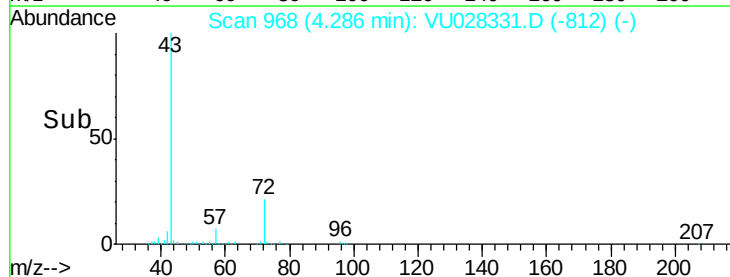
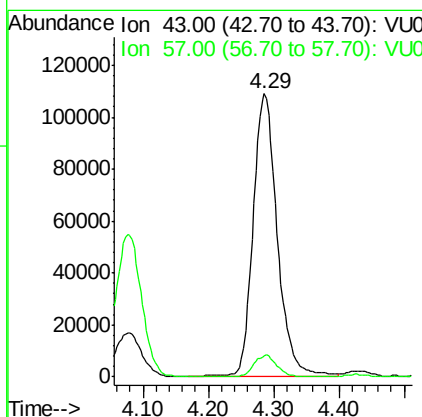
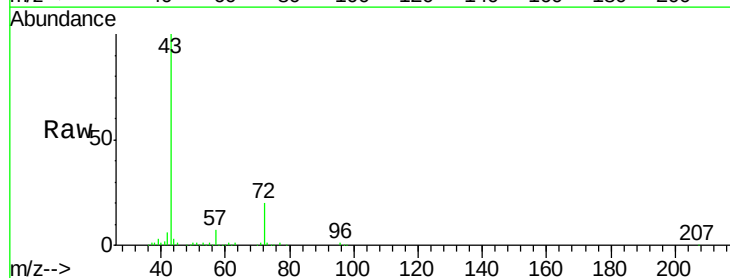
Manual Integrations
 APPROVED

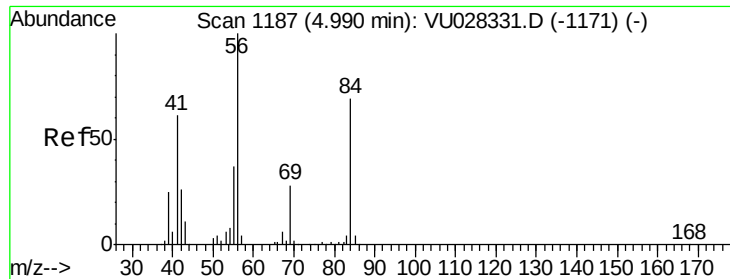
MMDadoda
 11/30/2018 2:33:37 PM



#18
 2-Butanone
 Concen: 53.026 ug/l
 RT: 4.29 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	280277		
57	7.5	0.0	15.0	





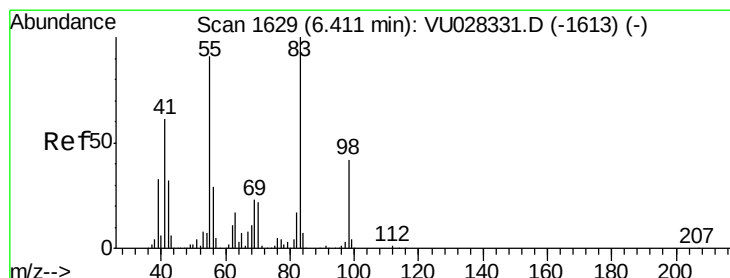
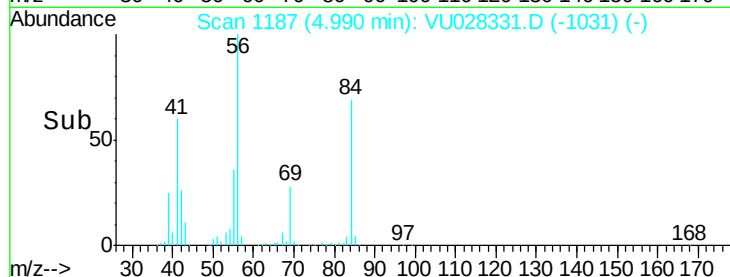
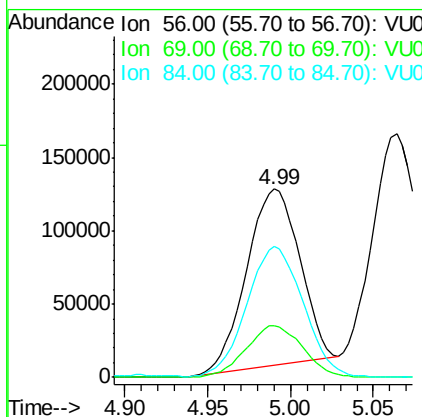
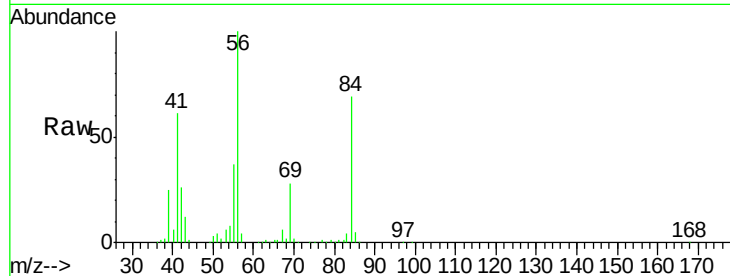
#19
Cyclohexane
Concen: 10.337 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.0	37.6
84	78.3	62.6	94.0

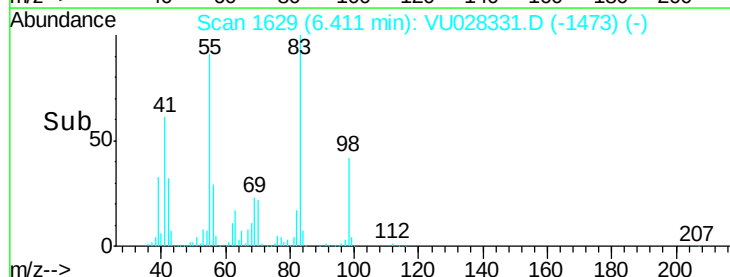
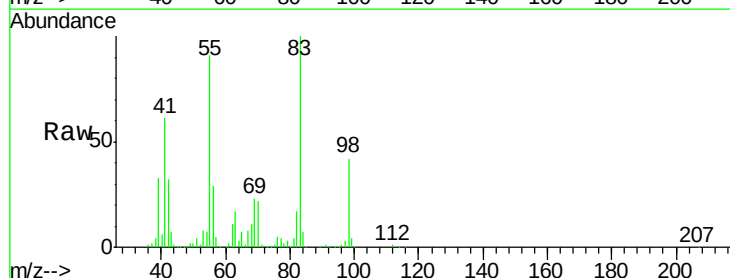
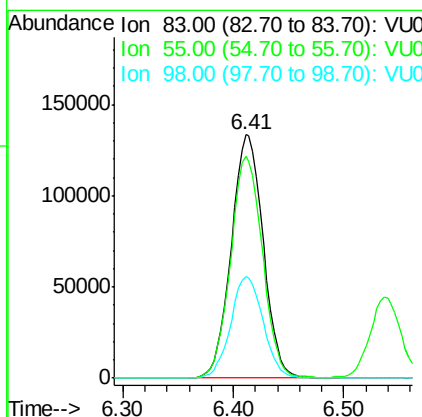
Manual Integrations
APPROVED

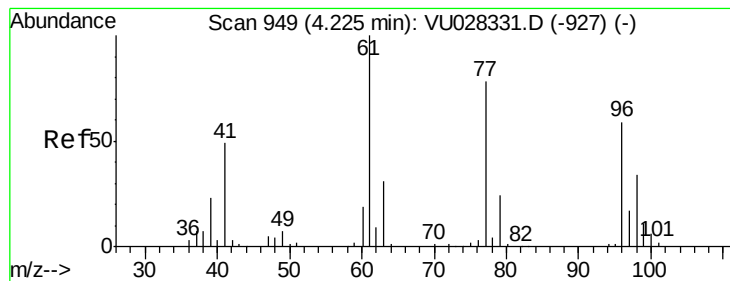
MMDadoda
11/30/2018 2:33:37 PM



#20
Methylcyclohexane
Concen: 10.525 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.7	72.6	108.8
98	42.3	33.8	50.8





#21

2,2-Dichloropropane

Concen: 10.051 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 77 Resp: 241163

Ion Ratio Lower Upper

77 100

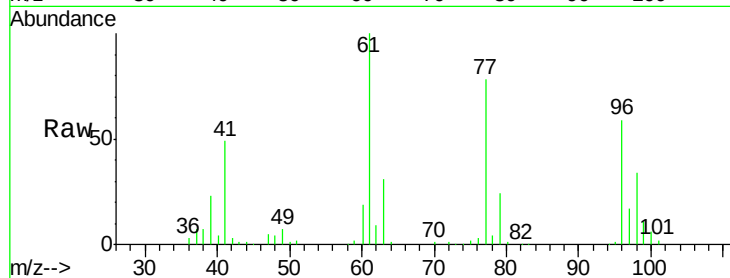
97 21.8 17.4 26.2

Manual Integrations

APPROVED

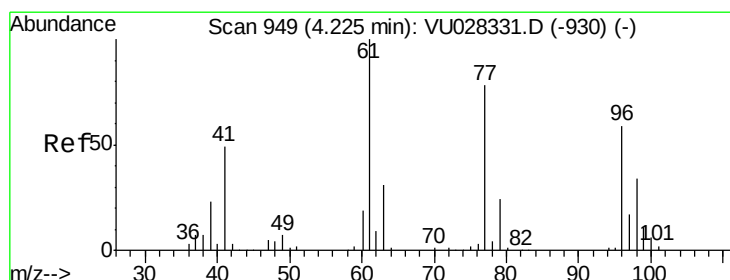
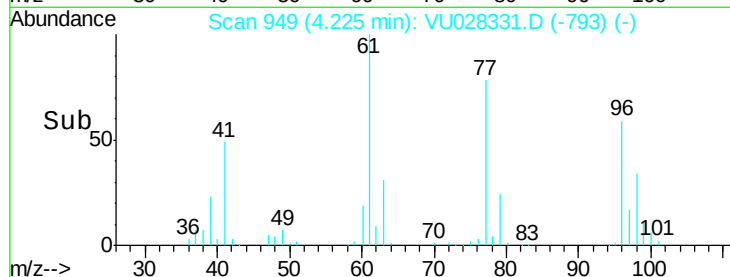
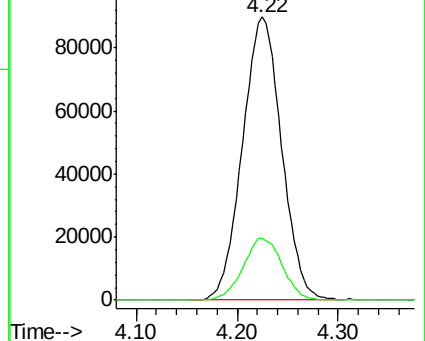
MMDadoda

11/30/2018 2:33:37 PM



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 10.434 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

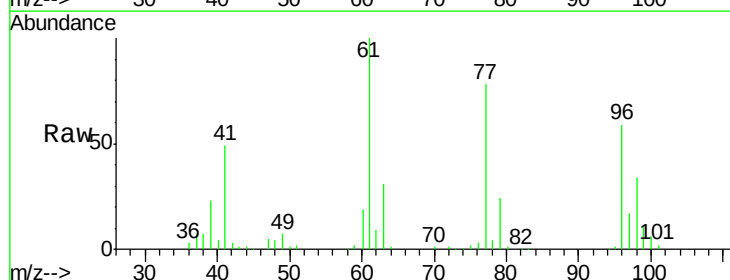
Tgt Ion: 96 Resp: 163755

Ion Ratio Lower Upper

96 100

61 169.2 0.0 423.0

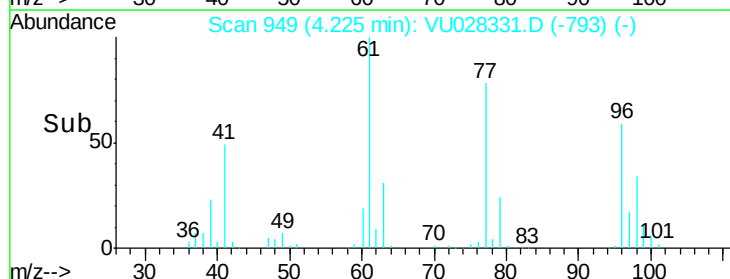
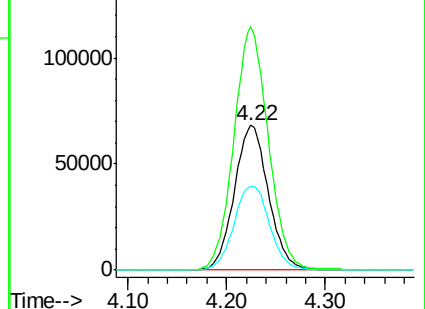
98 60.7 30.3 91.0

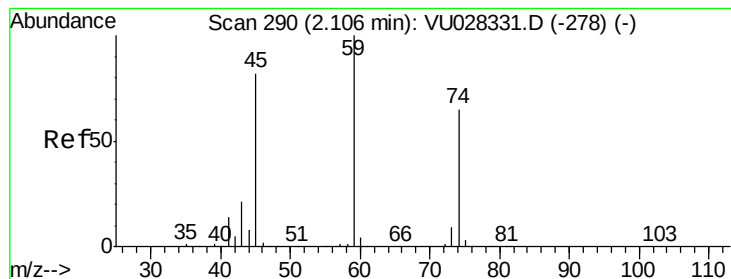


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#23

Diethyl Ether

Concen: 10.151 ug/l

RT: 2.11 min Scan# 290

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

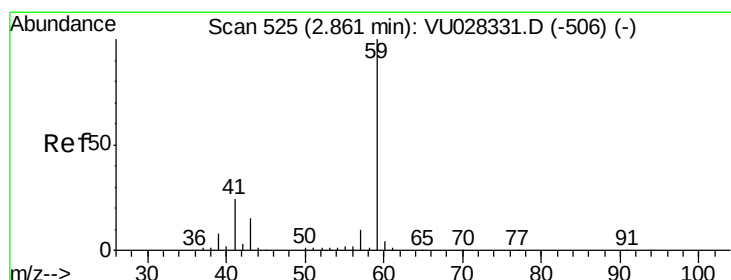
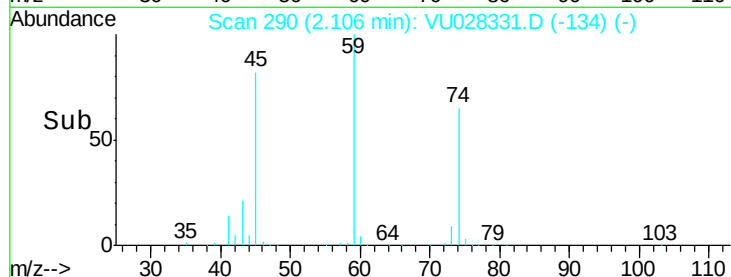
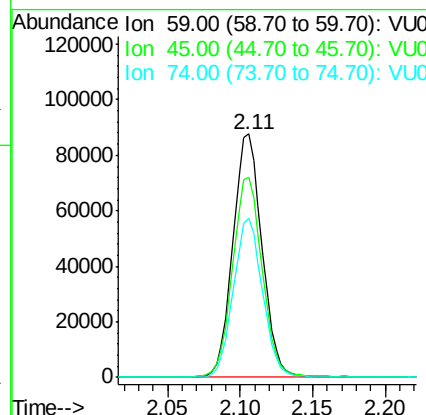
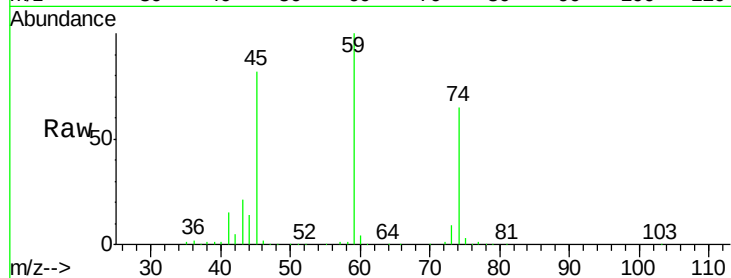
ClientSampleId :

VSTDICCC010

Tgt Ion:	59	Resp:	121948
Ion	Ratio	Lower	Upper
59	100		
45	83.0	66.4	99.6
74	65.3	52.2	78.4

Manual Integrations
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MMDadoda
11/30/2018 2:33:37 PM



#24

tert-Butyl Alcohol

Concen: 107.671 ug/l

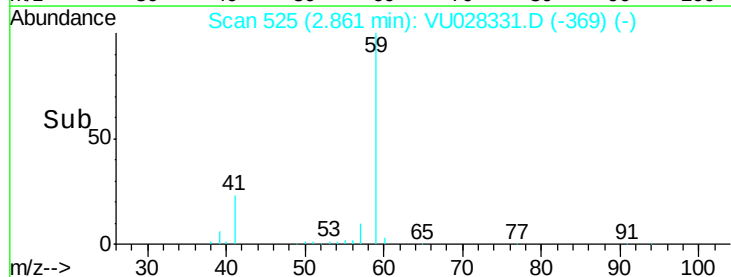
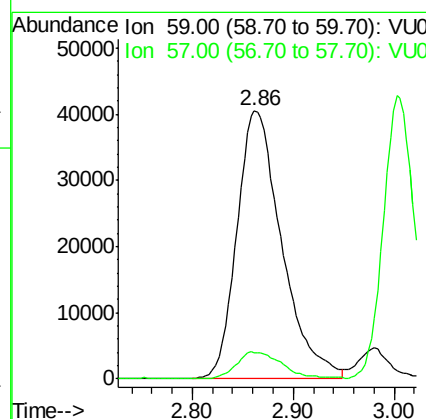
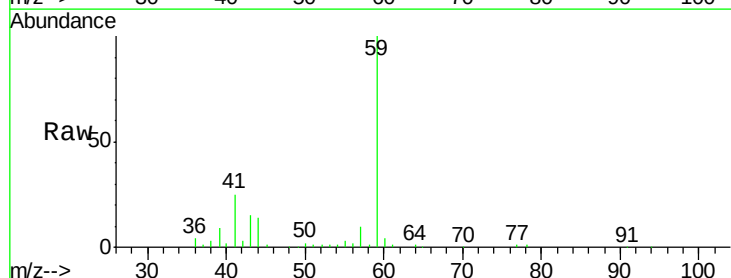
RT: 2.86 min Scan# 525

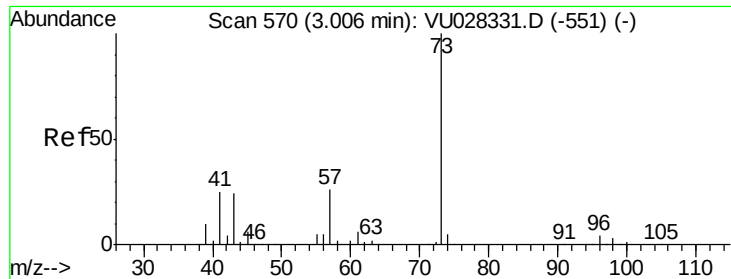
Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Tgt Ion:	59	Resp:	125110
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4





#25

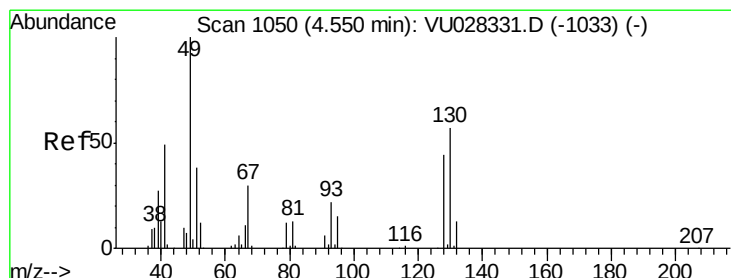
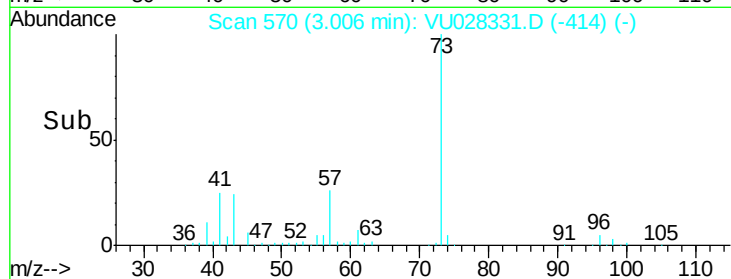
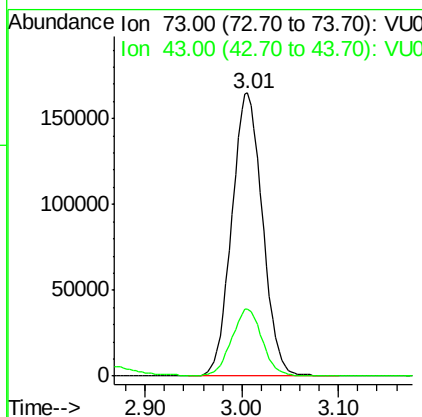
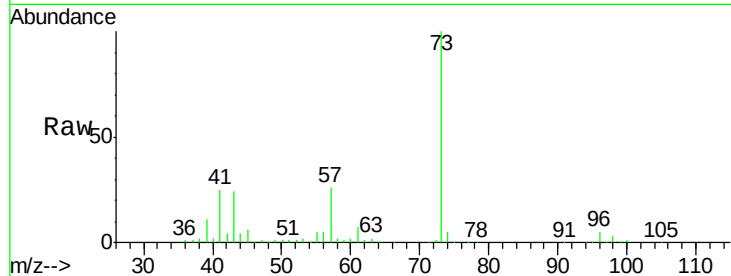
Methyl tert-Butyl Ether
Concen: 10.232 ug/l
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.1	18.5	27.7

Manual Integrations
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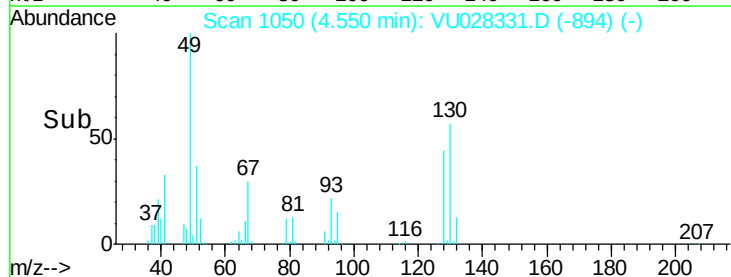
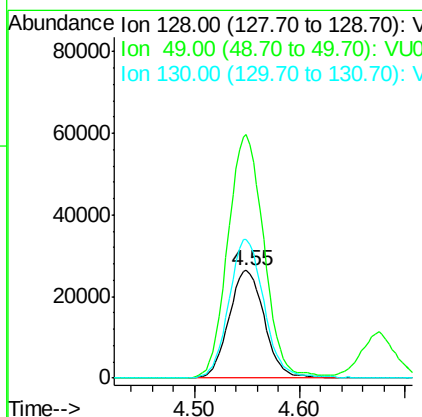
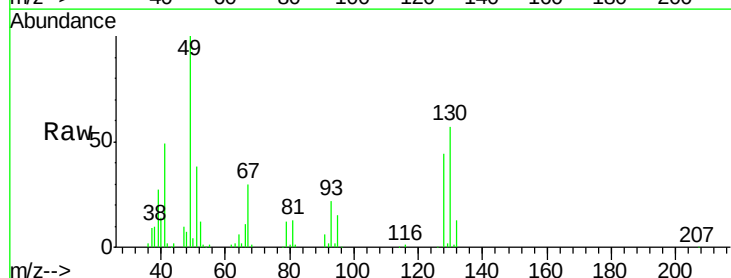
MMDadoda
11/30/2018 2:33:37 PM

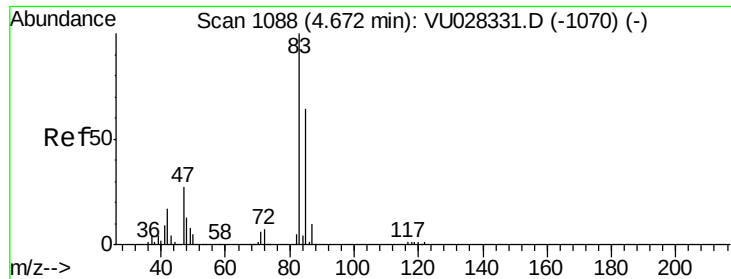


#26

Bromochloromethane
Concen: 10.325 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
128	100		
49	228.8	0.0	457.6
130	126.8	101.4	152.2





#27

Chloroform

Concen: 9.599 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 276754

Ion Ratio Lower Upper

83 100

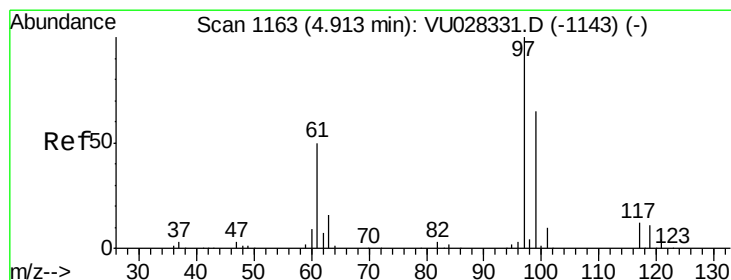
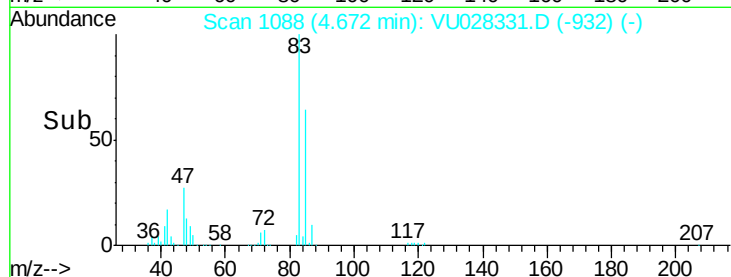
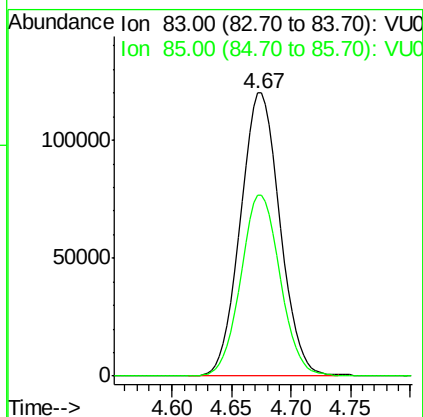
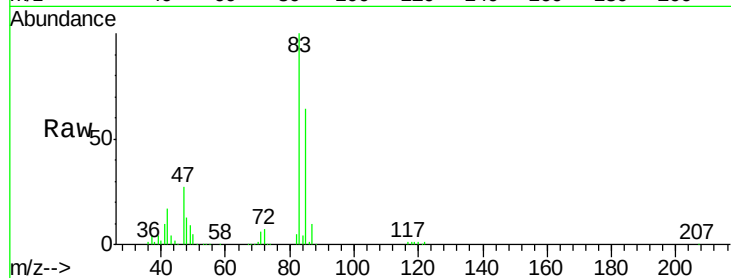
85 64.0 0.0 128.0

Manual Integrations

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#28

1,1,1-Trichloroethane

Concen: 10.026 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

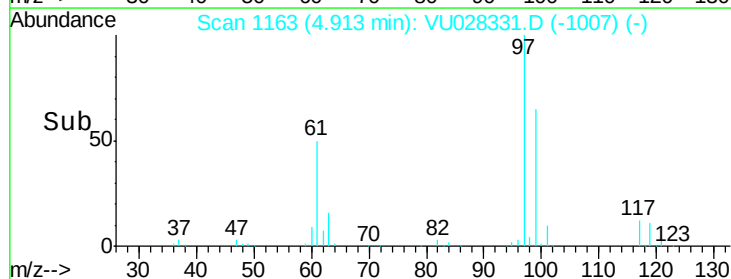
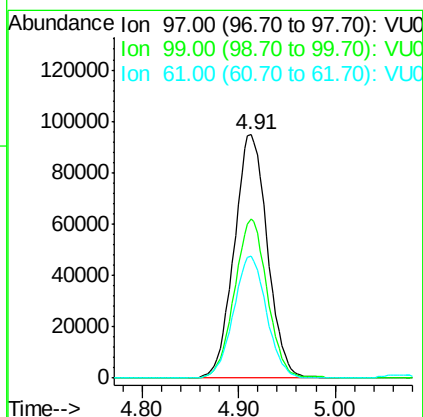
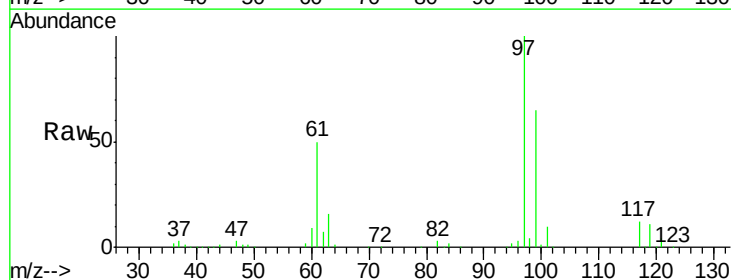
Tgt Ion: 97 Resp: 225754

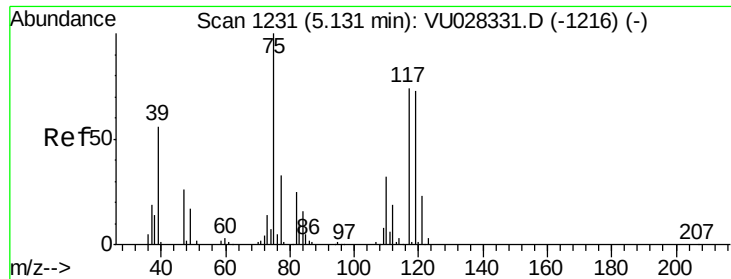
Ion Ratio Lower Upper

97 100

99 64.4 32.2 96.6

61 49.8 24.9 74.7





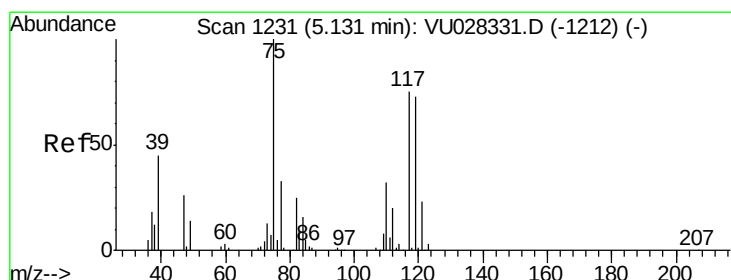
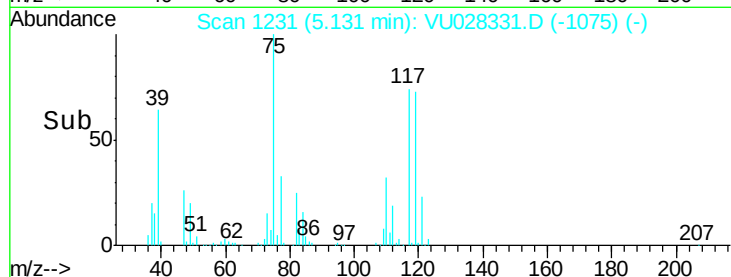
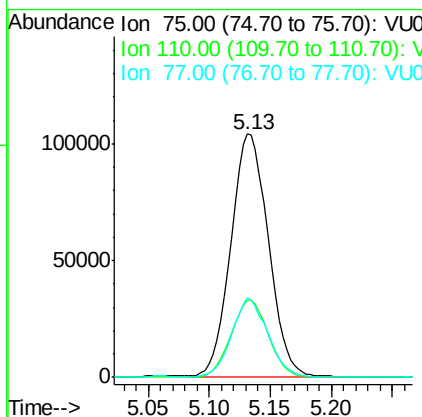
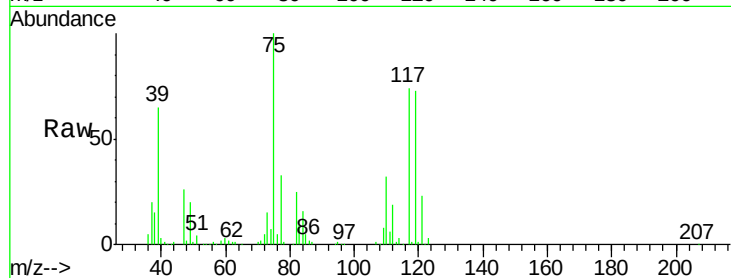
#29
1,1-Dichloropropene
Concen: 10.278 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.8	47.3
77	31.7	25.4	38.0

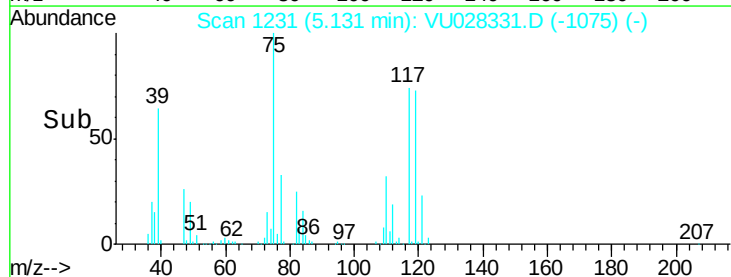
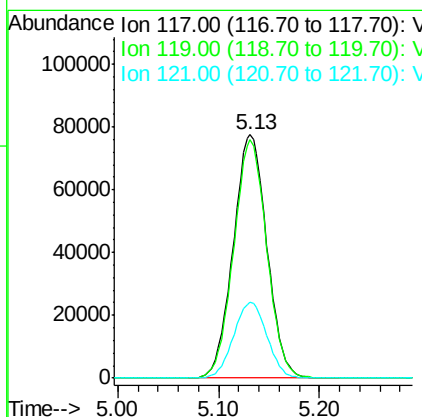
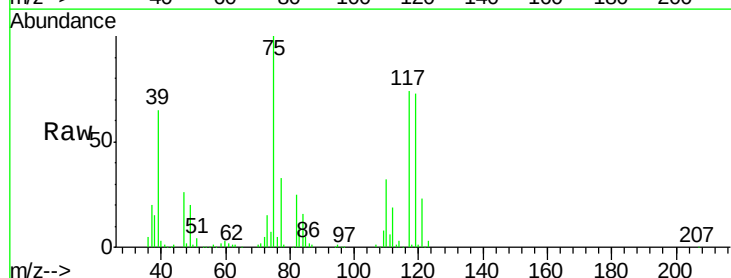
Manual Integrations
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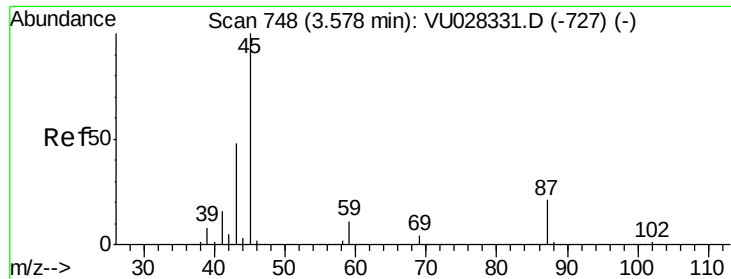
MMDadoda
11/30/2018 2:33:37 PM



#30
Carbon Tetrachloride
Concen: 9.868 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	78.2	117.4
121	30.9	24.7	37.1





#31

Isopropyl Ether

Concen: 10.190 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 45 Resp: 545551

Ion Ratio Lower Upper

45 100

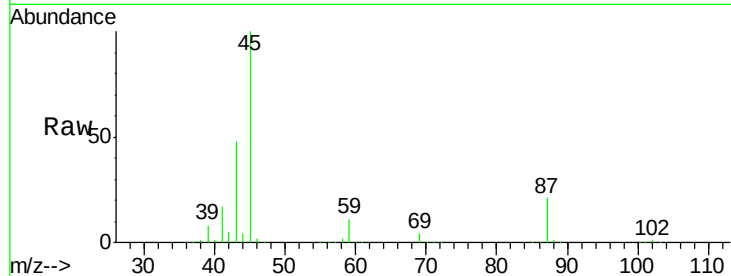
43 48.4 24.2 72.6

Manual Integrations

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

250000

200000

150000

100000

50000

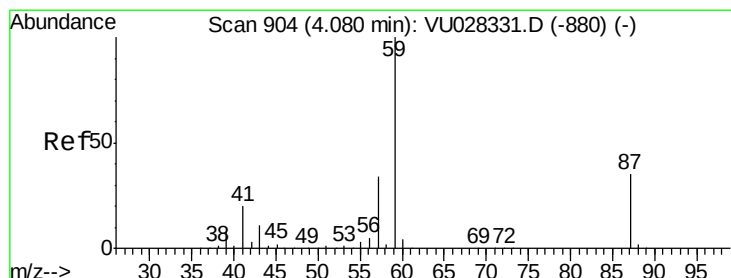
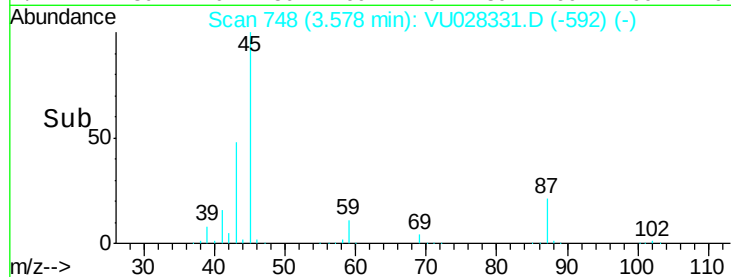
0

3.50

3.60

3.70

Time-->



#32

Ethyl-t-butyl ether

Concen: 10.223 ug/l

RT: 4.08 min Scan# 904

Delta R.T. 0.00 min

Lab File: VU028331.D

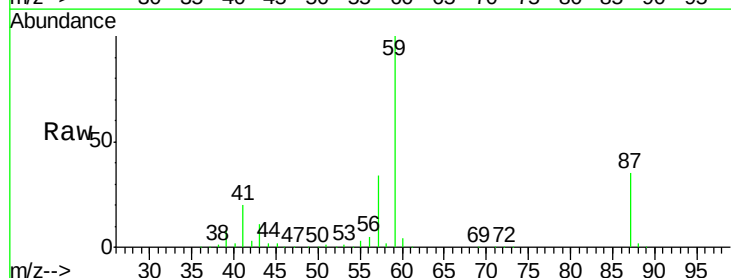
Acq: 26 Nov 2018 11:25

Tgt Ion: 59 Resp: 450807

Ion Ratio Lower Upper

59 100

87 35.3 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

150000

100000

50000

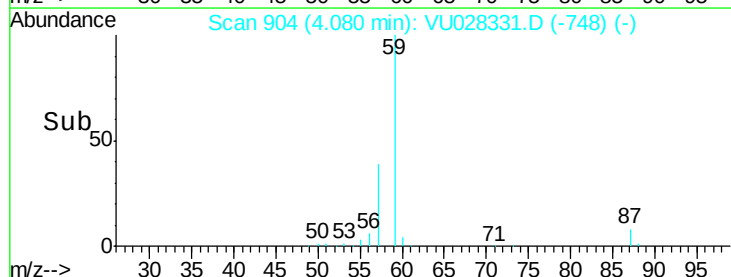
0

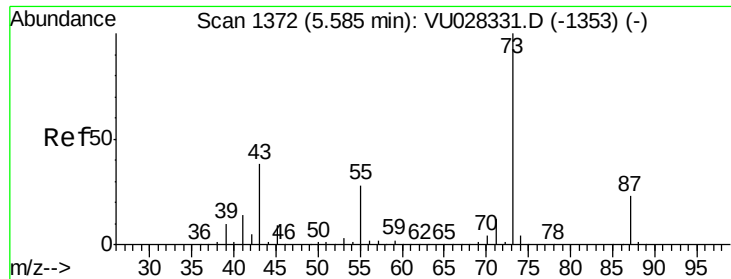
4.00

4.10

4.20

Time-->





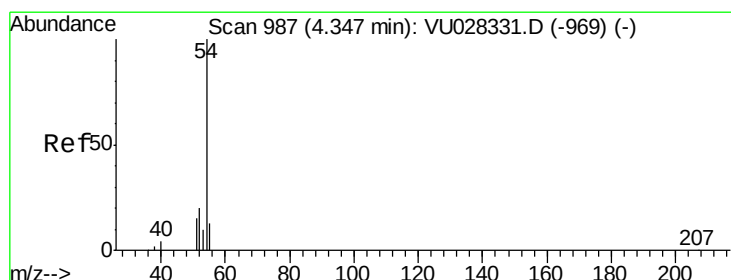
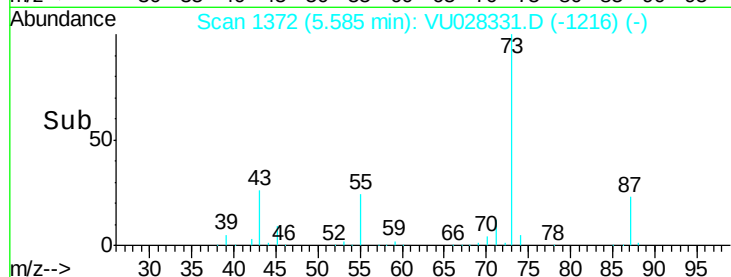
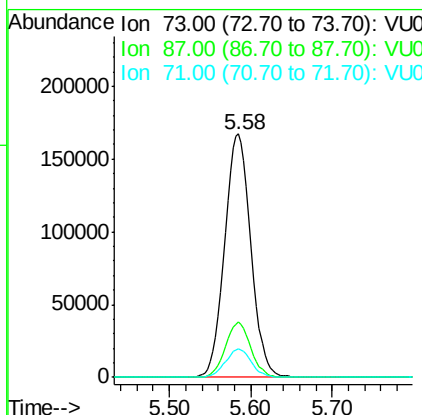
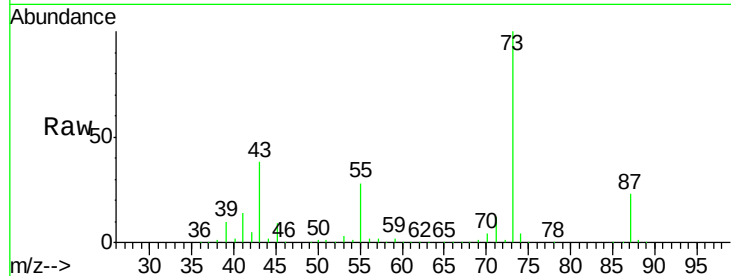
#33
Tert-Amyl methyl ether
Concen: 10.368 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
73	100		
87	22.0	17.6	26.4
71	11.5	9.2	13.8

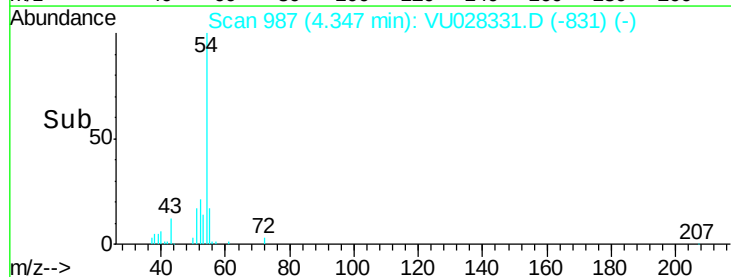
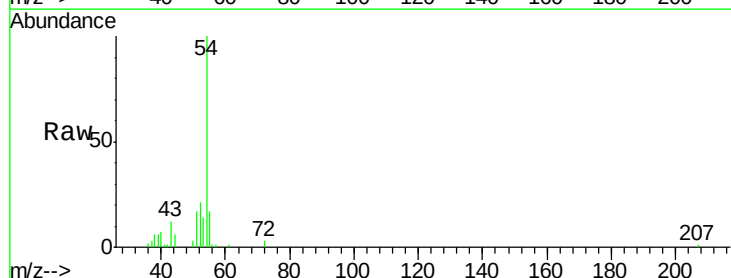
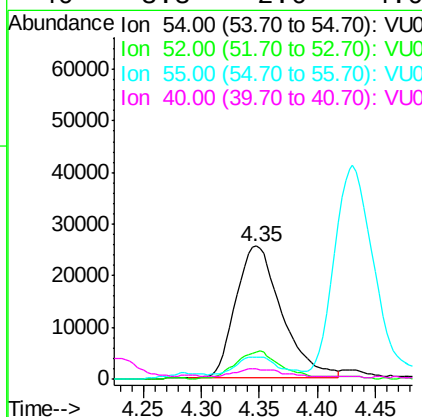
Manual Integrations
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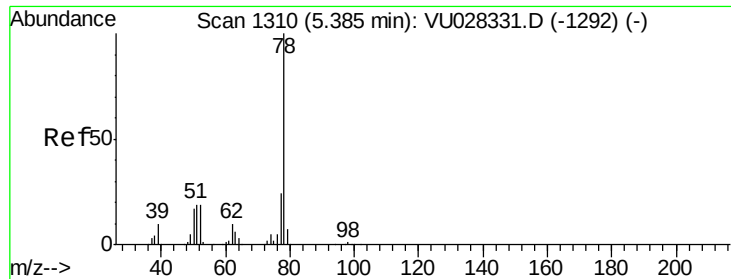
MMDadoda
11/30/2018 2:33:37 PM



#34
Propionitrile
Concen: 52.865 ug/l
RT: 4.35 min Scan# 987
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.8	16.6	25.0
55	16.1	12.9	19.3
40	3.3	2.6	4.0





#35

Benzene

Concen: 10.241 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 78 Resp: 651195

Ion Ratio Lower Upper

78 100

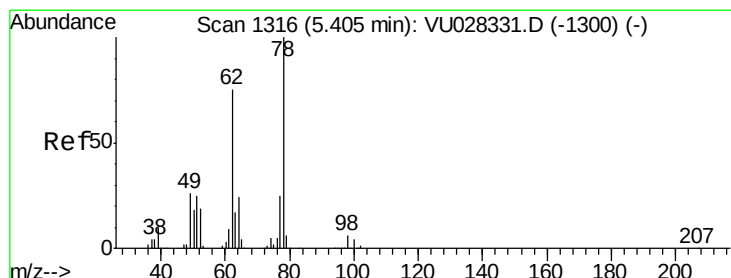
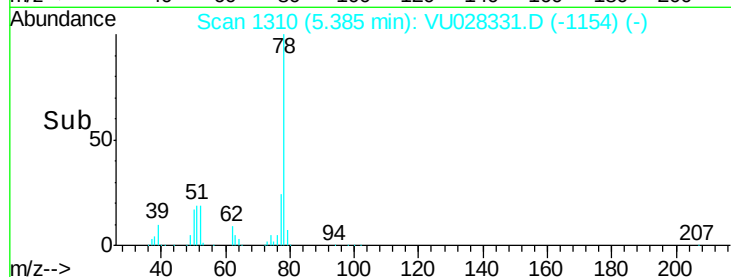
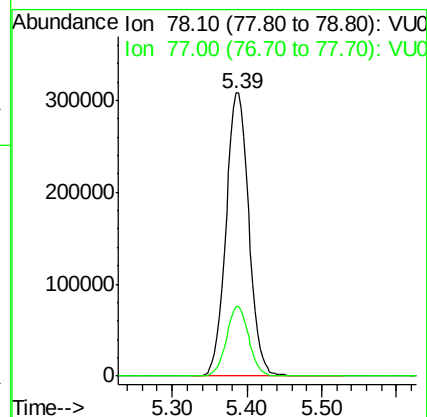
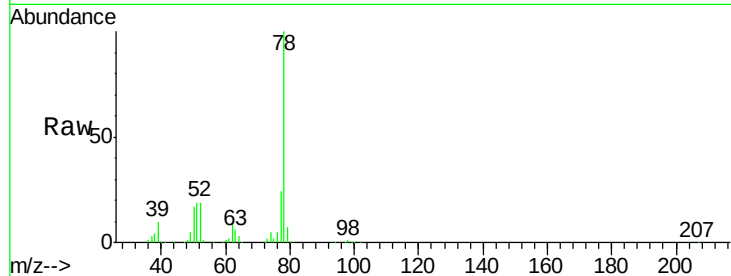
77 24.4 19.5 29.3

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 10.050 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028331.D

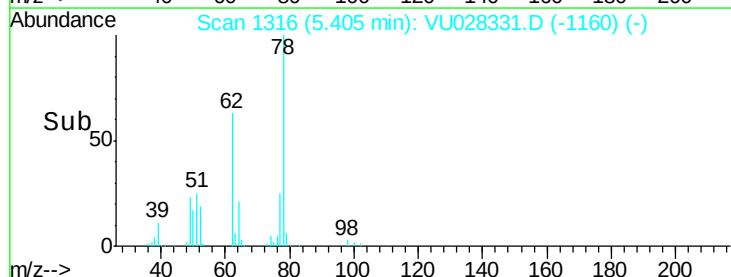
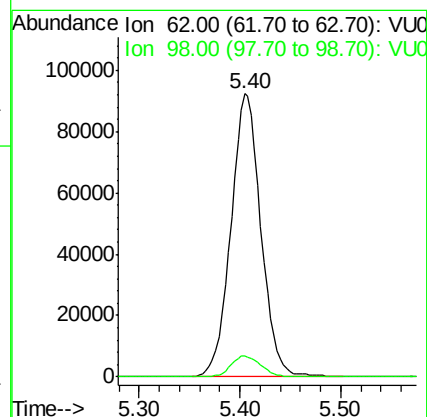
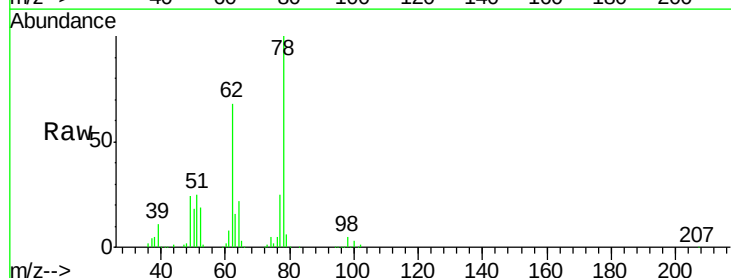
Acq: 26 Nov 2018 11:25

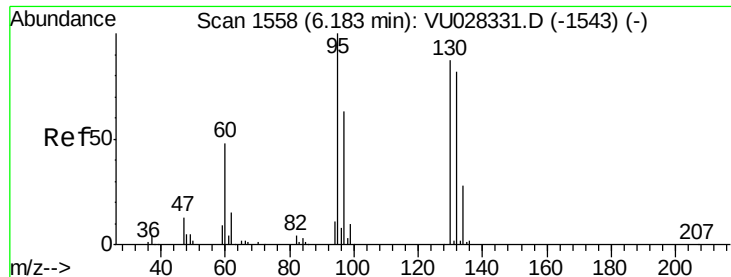
Tgt Ion: 62 Resp: 191142

Ion Ratio Lower Upper

62 100

98 7.5 6.0 9.0





#37

Trichloroethene

Concen: 10.251 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 130 Resp: 141968

Ion Ratio Lower Upper

130 100

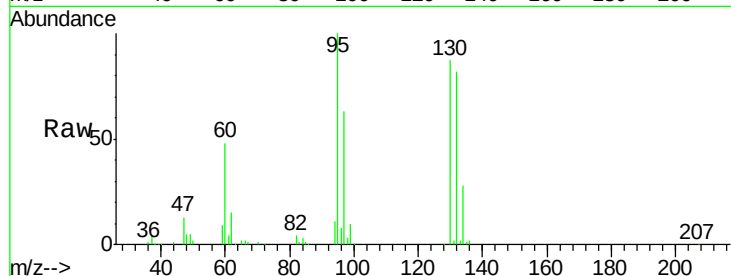
95 114.4 91.5 137.3

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VU028331.D (-1543) (-)

Ion 94.90 (94.60 to 95.60): VU028331.D (-1543) (-)

100000

80000

60000

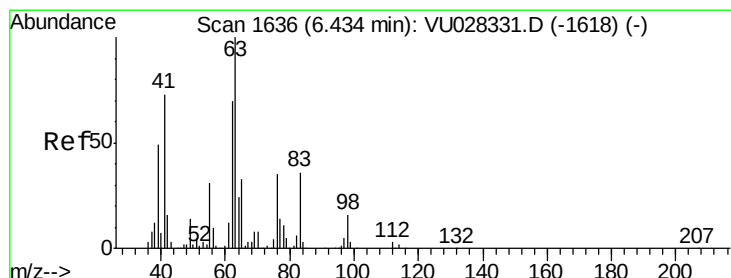
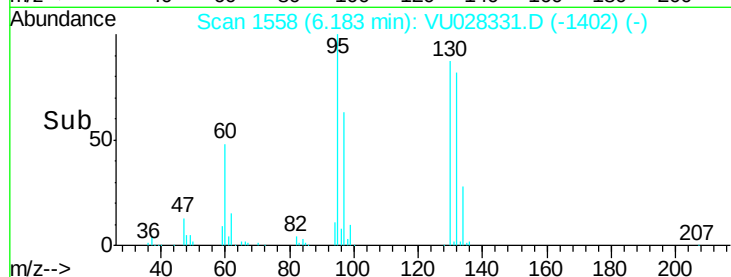
40000

20000

0

6.10 6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 10.238 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028331.D

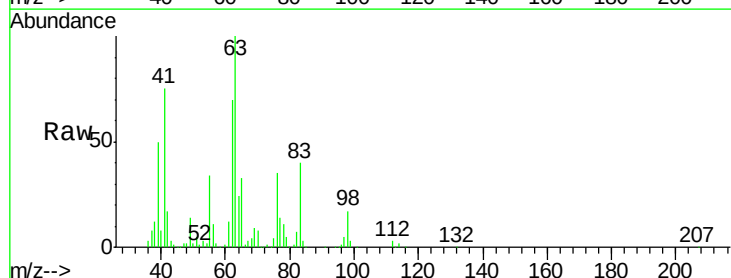
Acq: 26 Nov 2018 11:25

Tgt Ion: 63 Resp: 185649

Ion Ratio Lower Upper

63 100

65 32.8 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-1618) (-)

Ion 65.00 (64.70 to 65.70): VU028331.D (-1618) (-)

100000

80000

60000

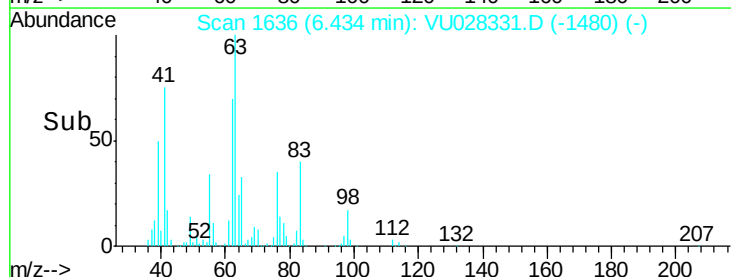
40000

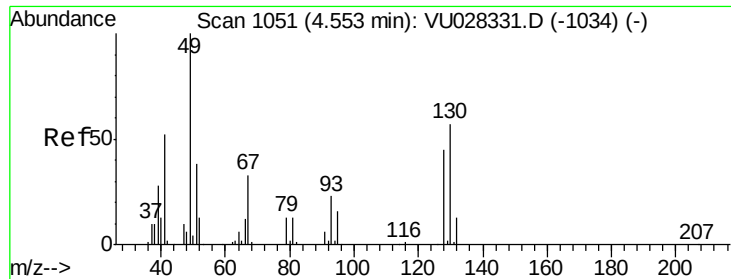
20000

0

6.40 6.50

Time-->





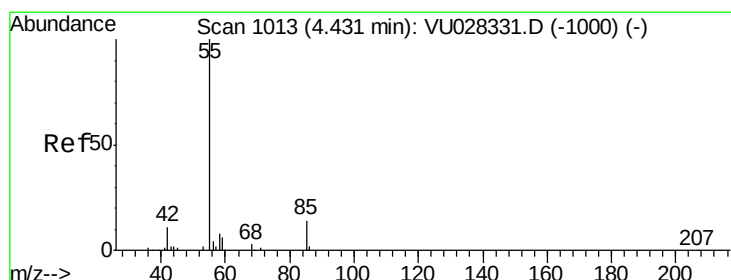
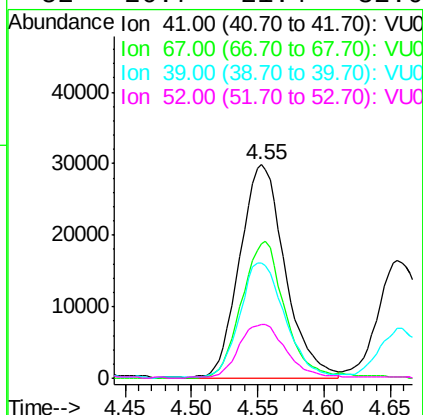
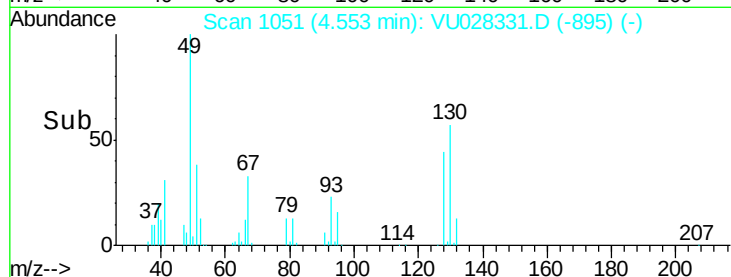
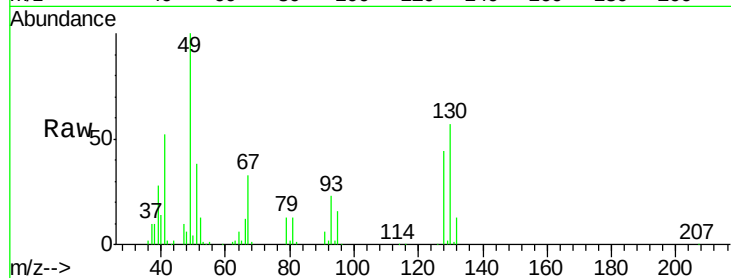
#39
Methacrylonitrile
Concen: 10.046 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
41	100		
67	60.3	48.2	72.4
39	53.6	42.9	64.3
52	26.7	21.4	32.0

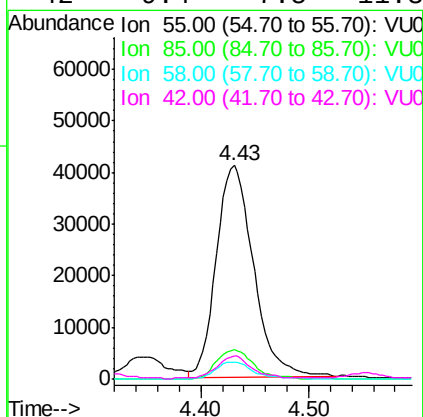
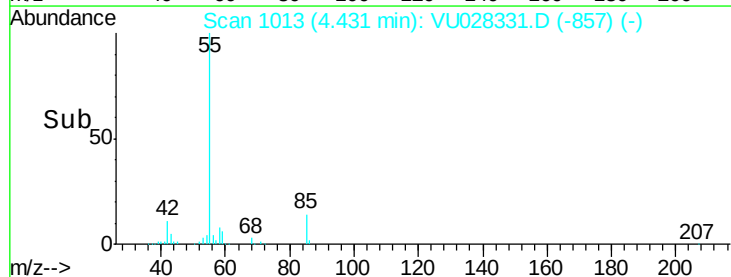
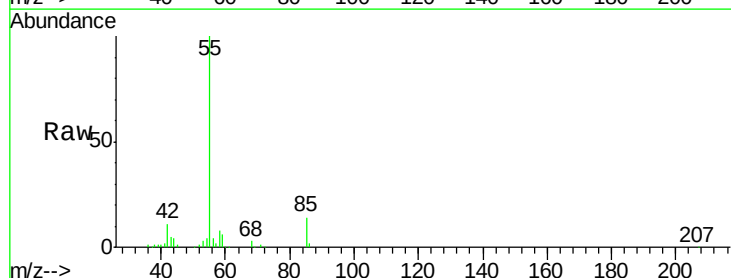
Manual Integrations
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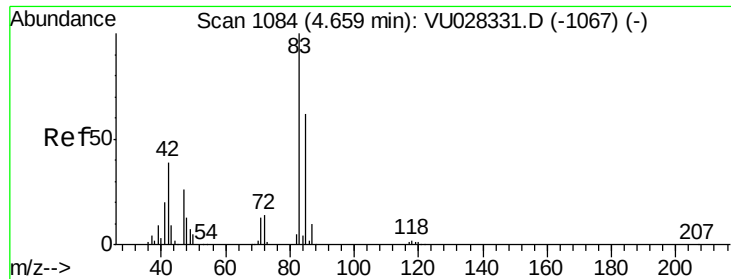
MMDadoda
11/30/2018 2:33:37 PM



#40
Methyl acrylate
Concen: 10.053 ug/l
RT: 4.43 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
55	100		
85	13.6	10.9	16.3
58	8.0	6.4	9.6
42	9.4	7.5	11.3





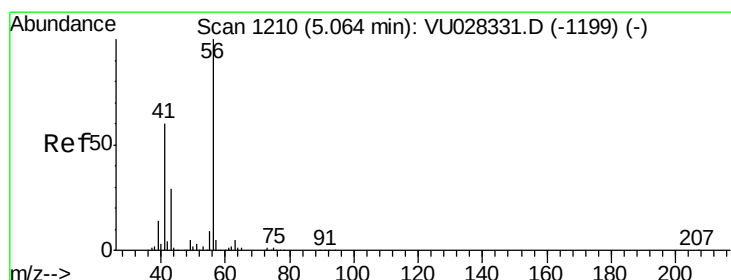
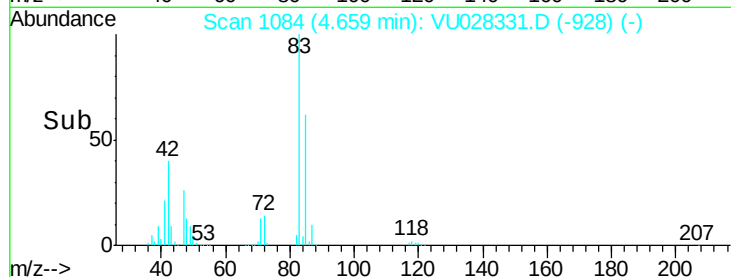
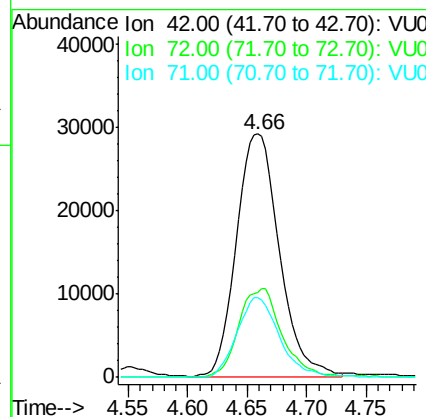
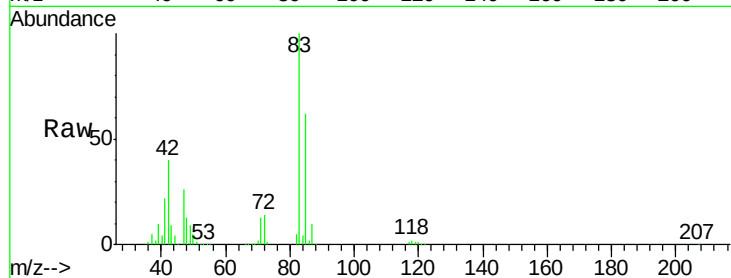
#41
Tetrahydrofuran
Concen: 20.334 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.2	29.8	44.6
71	32.4	25.9	38.9

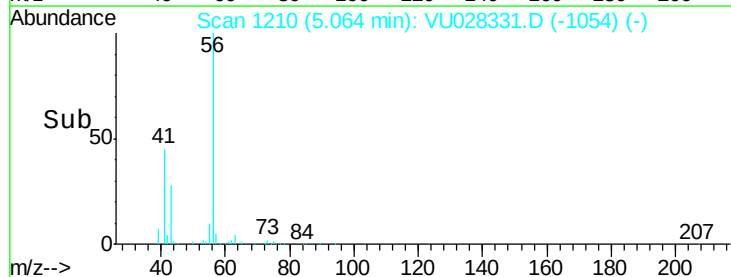
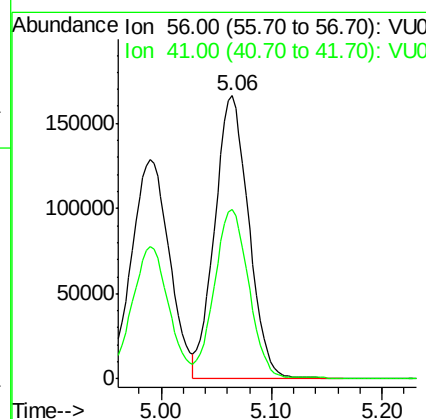
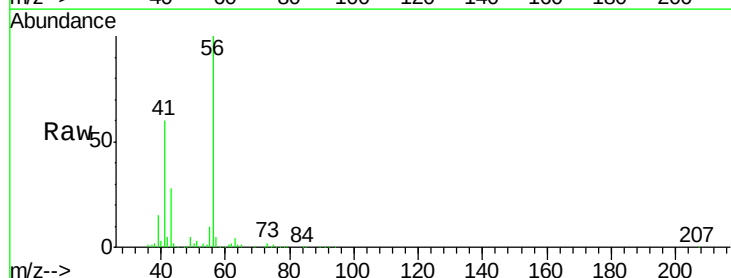
Manual Integrations
APPROVED

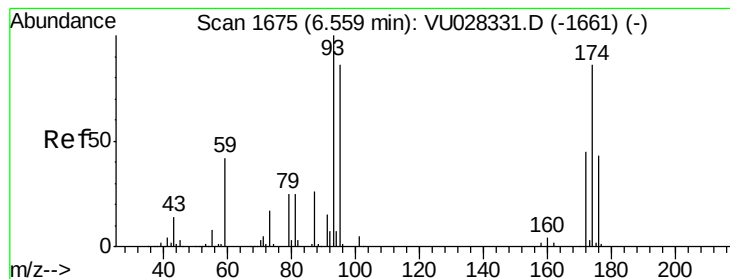
MMDadoda
11/30/2018 2:33:37 PM



#42
1-Chlorobutane
Concen: 10.330 ug/l
RT: 5.06 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
56	100		
41	59.5	29.8	89.3





#43

Dibromomethane

Concen: 10.374 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 93 Resp: 80082

Ion Ratio Lower Upper

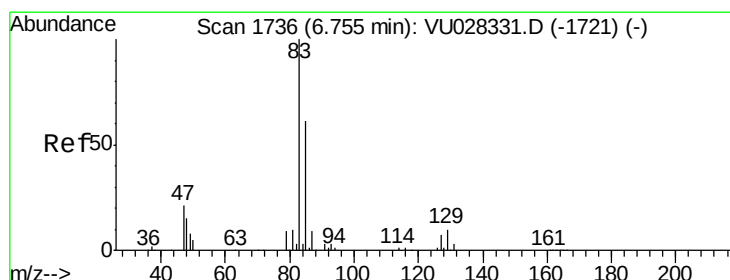
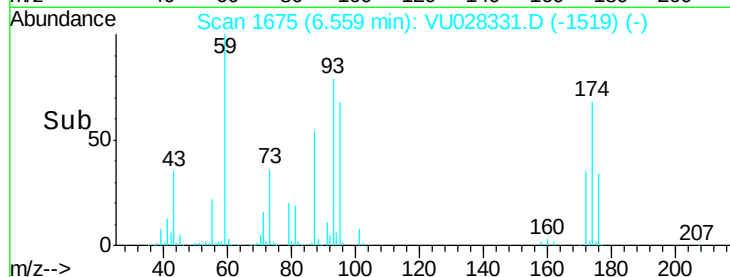
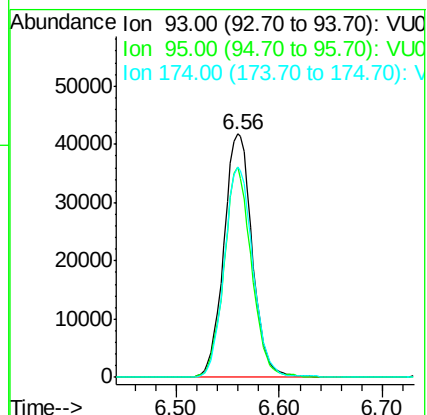
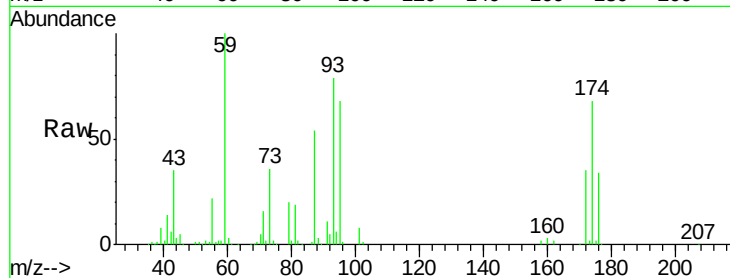
93 100

95 83.2 66.6 99.8

174 86.8 69.4 104.2

Manual Integrations
APPROVED

MMDadoda
11/30/2018 2:33:37 PM



#44

Bromodichloromethane

Concen: 10.160 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

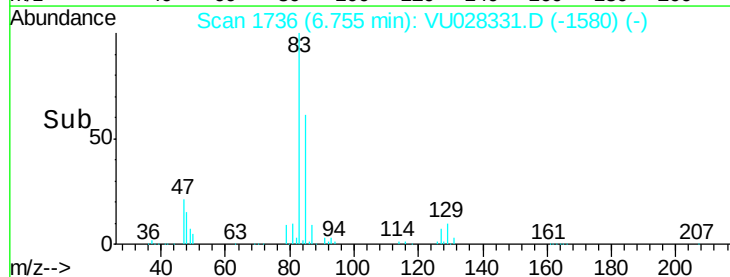
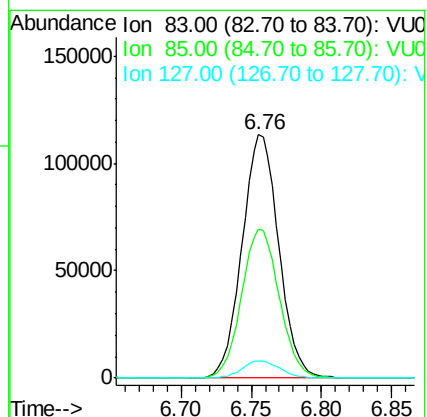
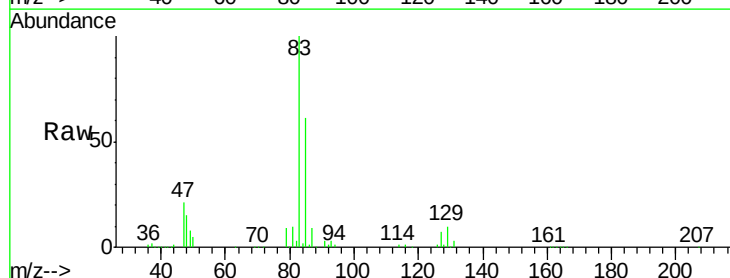
Tgt Ion: 83 Resp: 207105

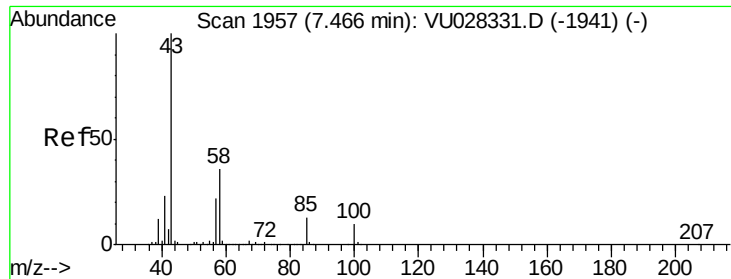
Ion Ratio Lower Upper

83 100

85 61.3 49.0 73.6

127 7.1 5.7 8.5





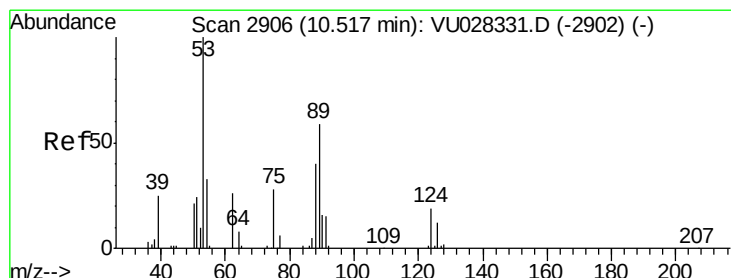
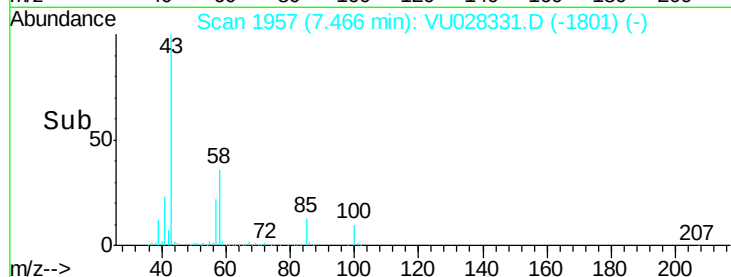
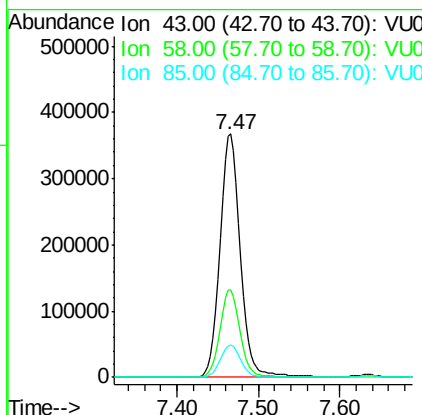
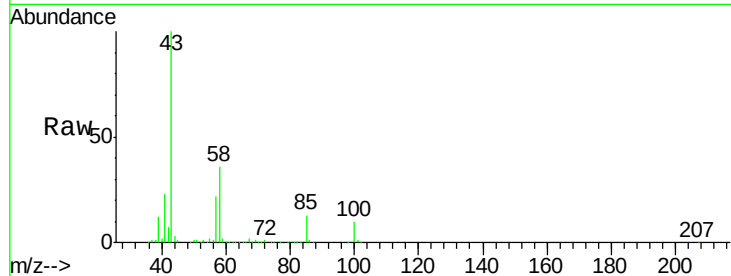
#45
4-Methyl-2-Pentanone
Concen: 52.617 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.8	17.9	53.7
85	13.5	10.8	16.2

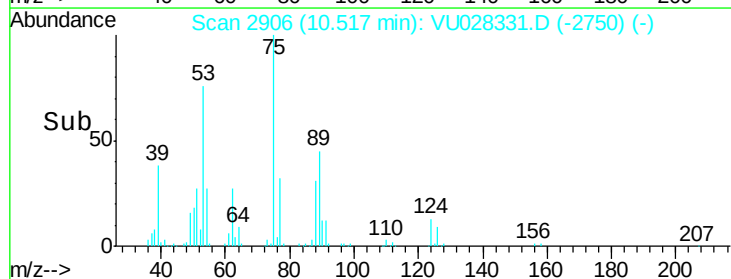
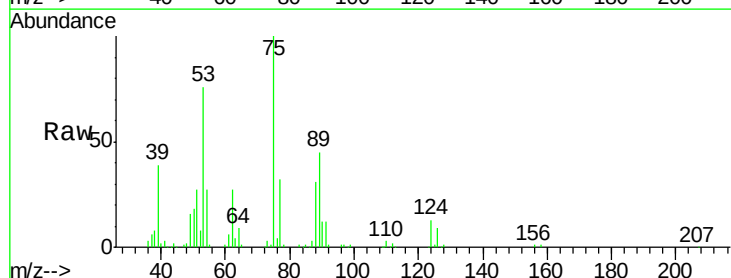
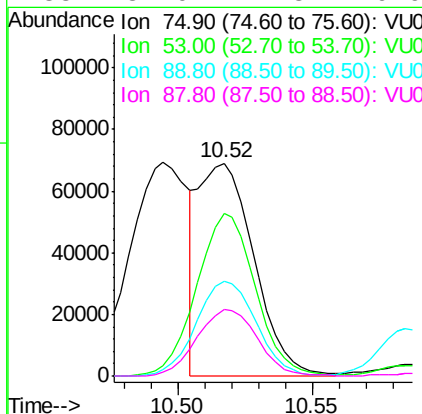
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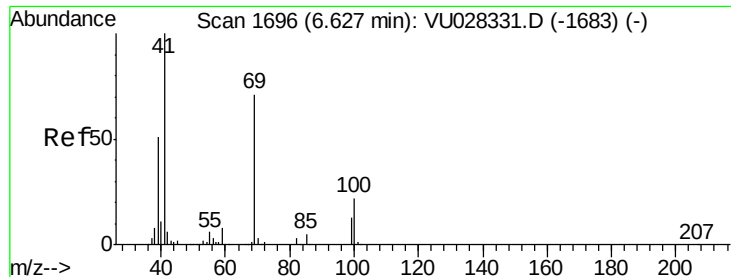
MMDadoda
11/30/2018 2:33:37 PM



#46
t-1,4-Dichloro-2-butene
Concen: 22.294 ug/l m
RT: 10.52 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
53	81.0	65.0	97.6
89	48.2	38.6	58.0
88	34.0	27.3	40.9





#47

Methyl methacrylate

Concen: 21.054 ug/l

RT: 6.63 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

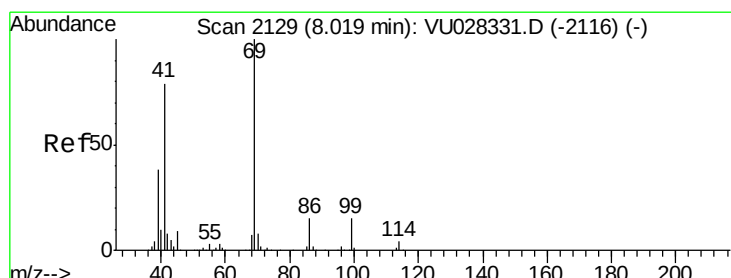
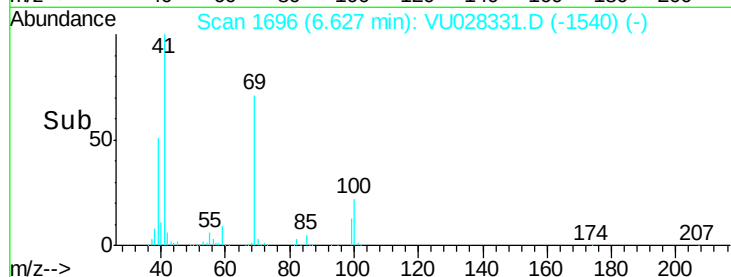
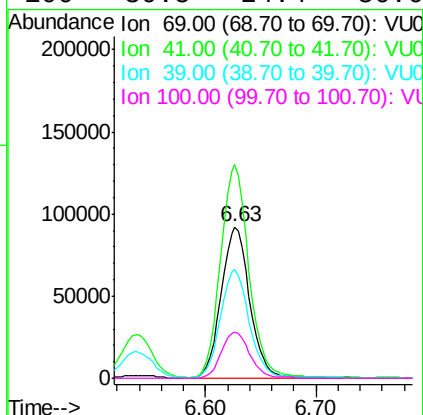
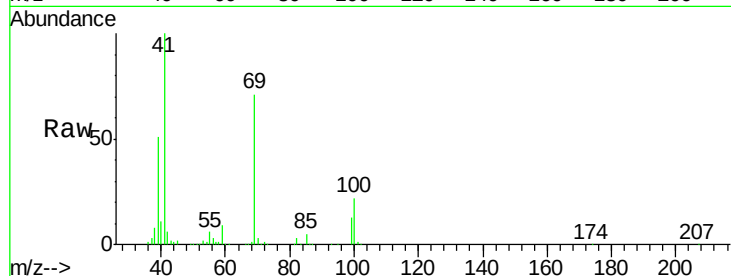
ClientSampleId :

VSTDICCC010

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		165894		
41	138.6	0.0	277.2		
39	72.0	57.6	86.4		
100	30.5	24.4	36.6		

Manual Integrations
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#48

Ethyl methacrylate

Concen: 10.677 ug/l

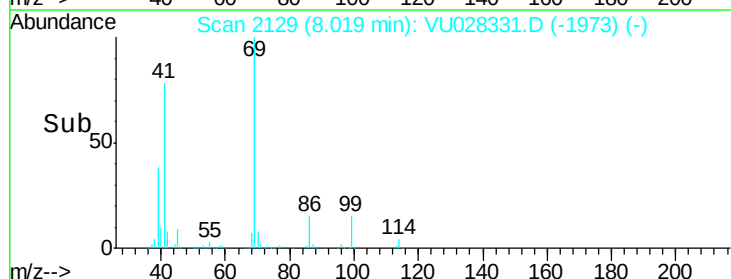
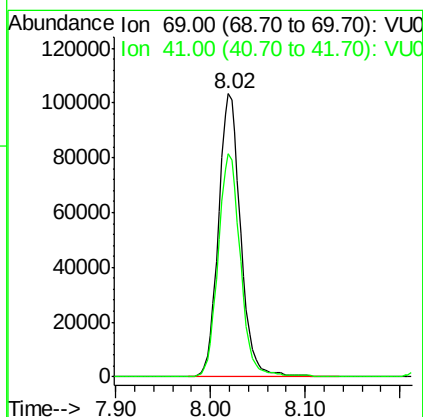
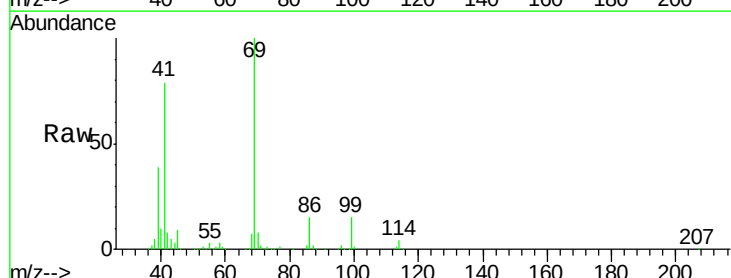
RT: 8.02 min Scan# 2129

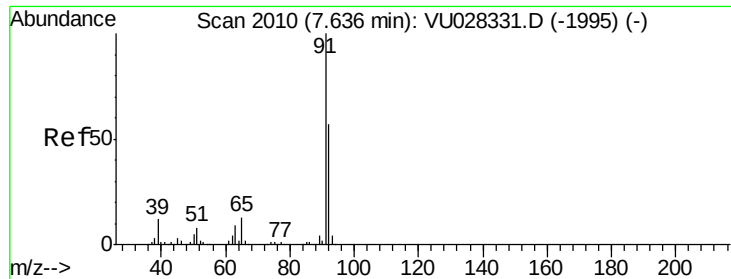
Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		168282		
41	78.8	39.4	118.2		





#49

Toluene

Concen: 10.580 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 92 Resp: 373620

Ion Ratio Lower Upper

92 100

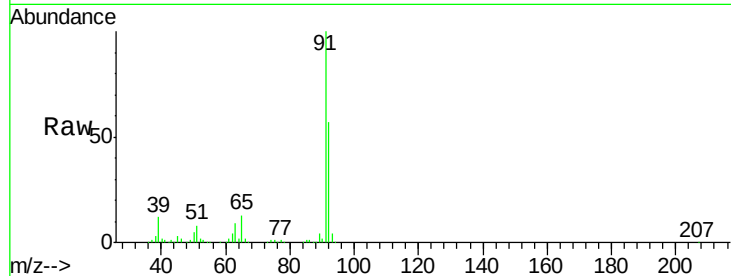
91 176.9 141.5 212.3

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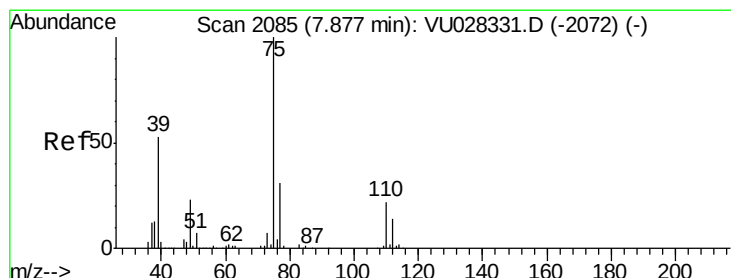
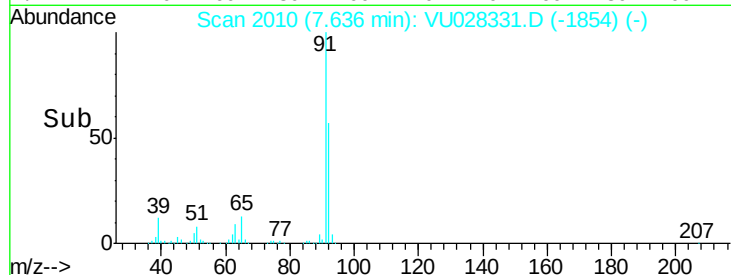
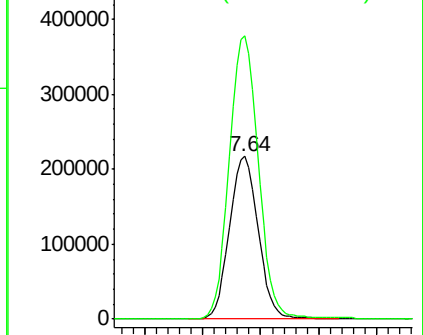
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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 10.486 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028331.D

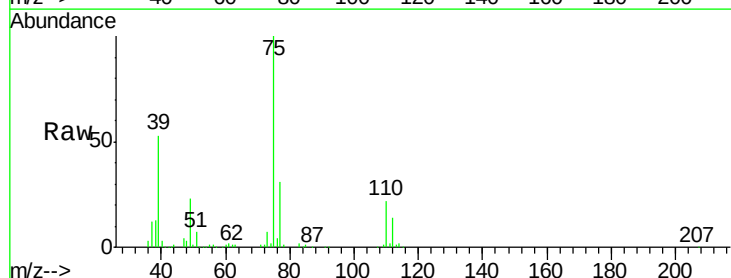
Acq: 26 Nov 2018 11:25

Tgt Ion: 75 Resp: 205285

Ion Ratio Lower Upper

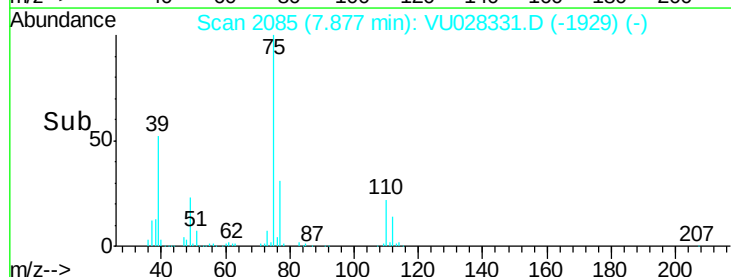
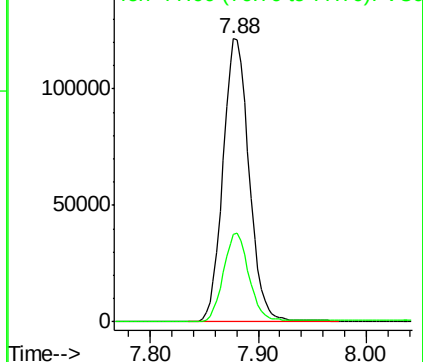
75 100

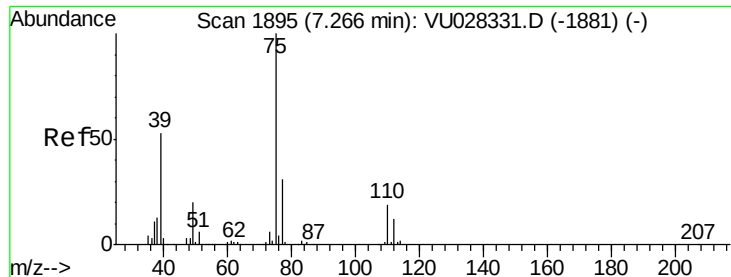
77 30.9 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





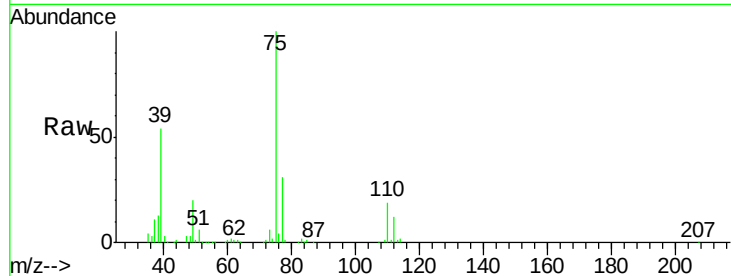
#51
 cis-1,3-Dichloropropene
 Concen: 10.349 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

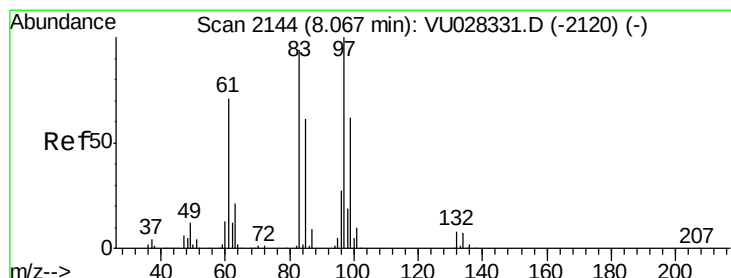
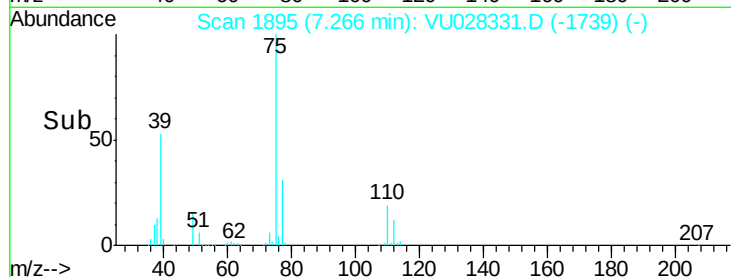
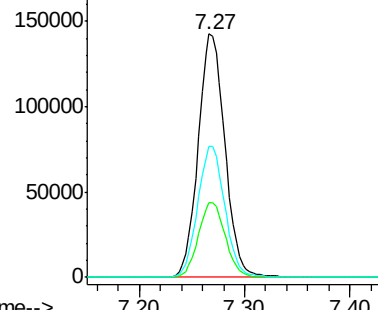
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.4	36.6
39	53.5	42.8	64.2

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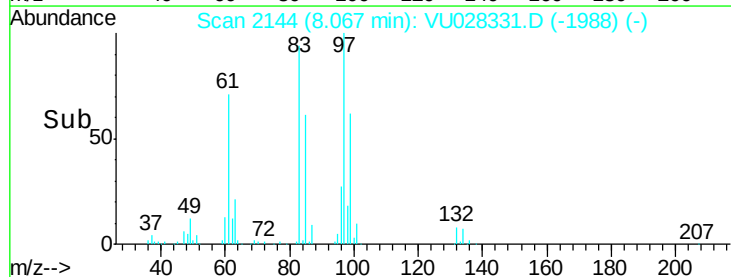
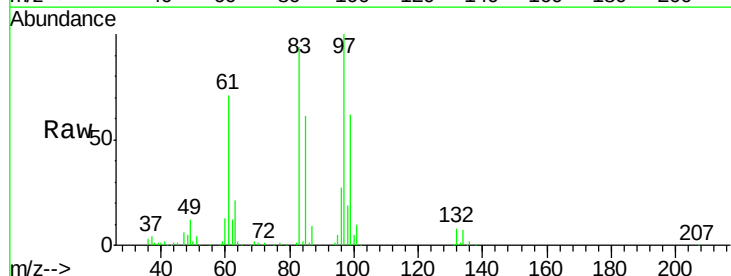
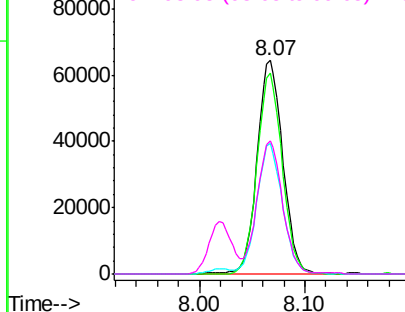
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

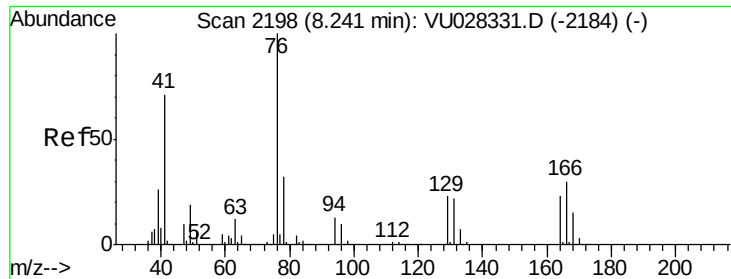


#52
 1,1,2-Trichloroethane
 Concen: 10.156 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.9	75.1	112.7
85	60.9	48.7	73.1
99	62.0	49.6	74.4

Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0





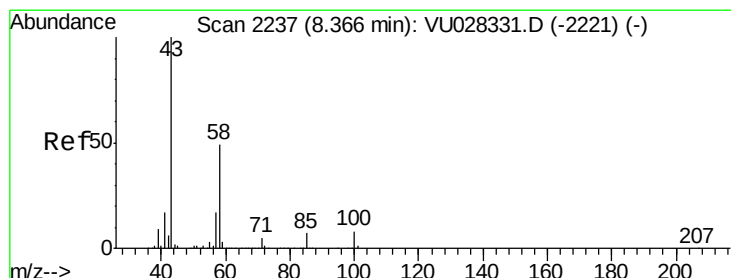
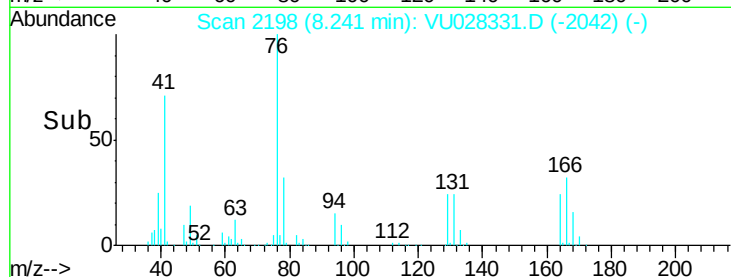
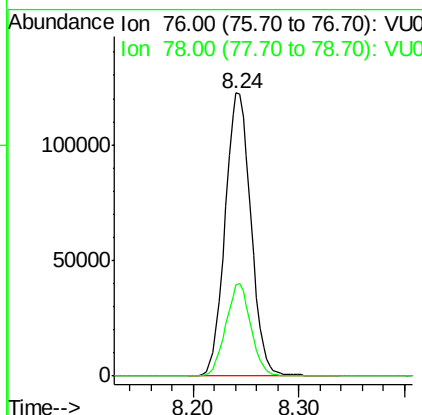
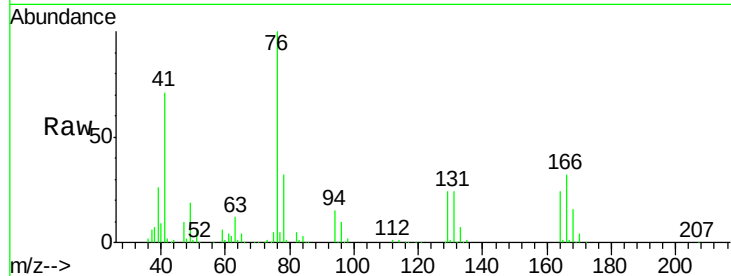
#53
 1,3-Dichloropropane
 Concen: 10.209 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 76 Resp: 206666
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0

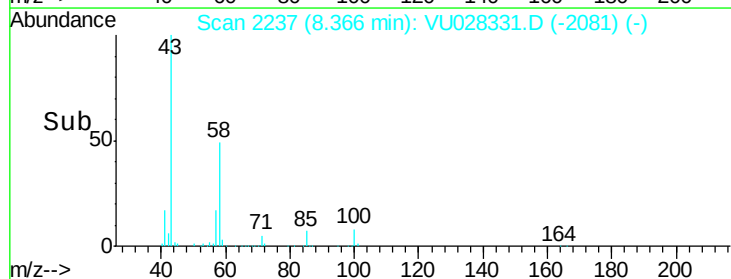
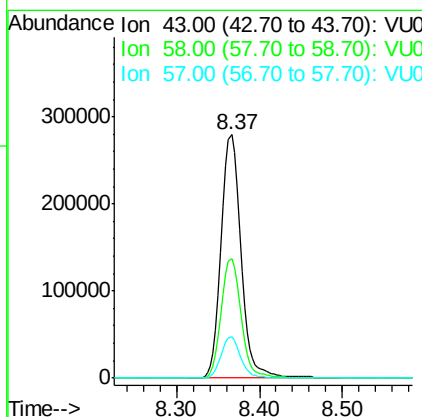
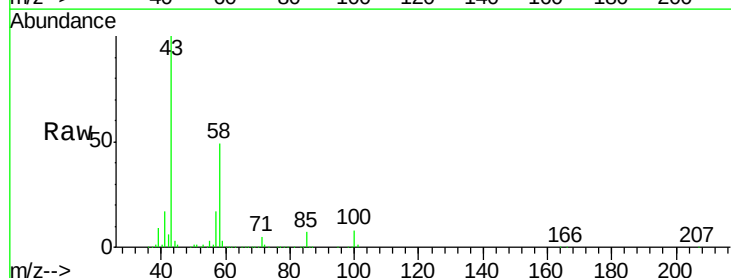
Manual Integrations
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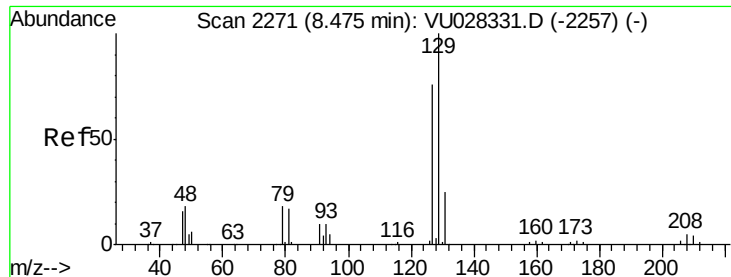
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#54
 2-Hexanone
 Concen: 52.075 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Tgt Ion: 43 Resp: 464489
 Ion Ratio Lower Upper
 43 100
 58 49.3 29.3 69.3
 57 16.8 0.0 36.8





#55

Dibromochloromethane

Concen: 10.614 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:129 Resp: 122358

Ion Ratio Lower Upper

129 100

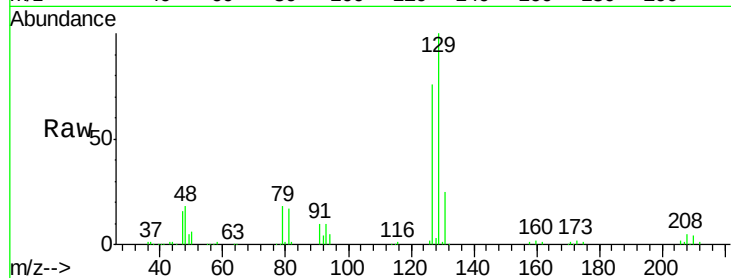
127 76.2 61.0 91.4

Manual Integrations

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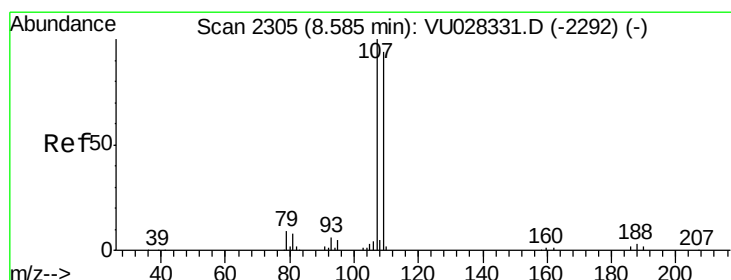
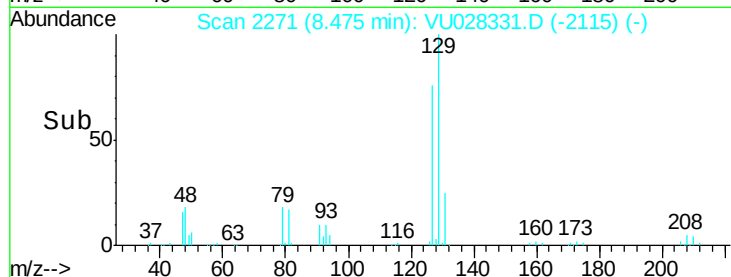
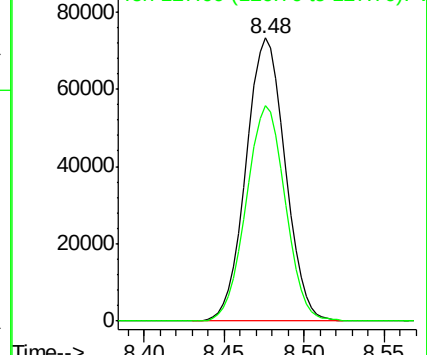
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 10.128 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028331.D

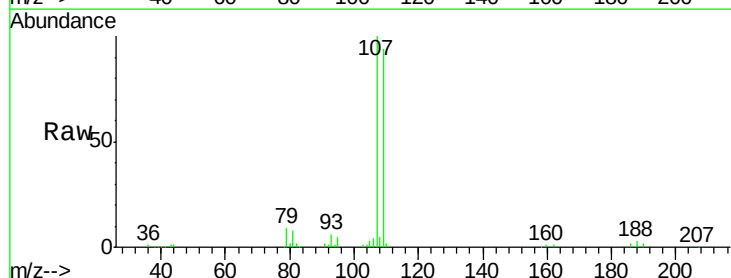
Acq: 26 Nov 2018 11:25

Tgt Ion:107 Resp: 99980

Ion Ratio Lower Upper

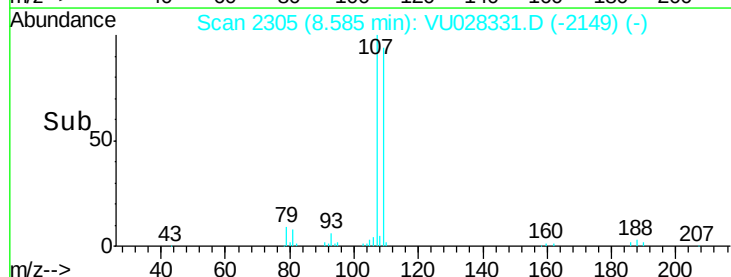
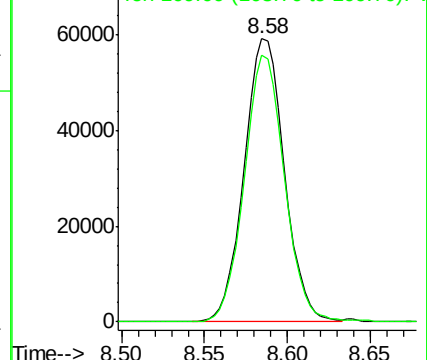
107 100

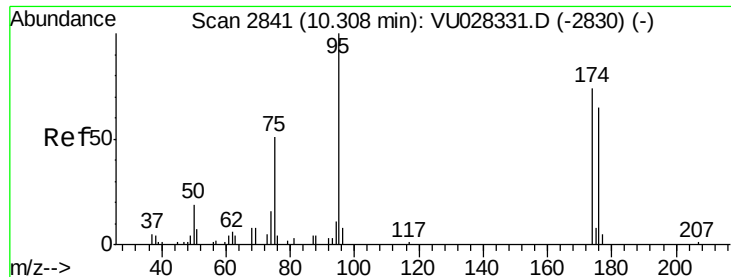
109 93.9 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





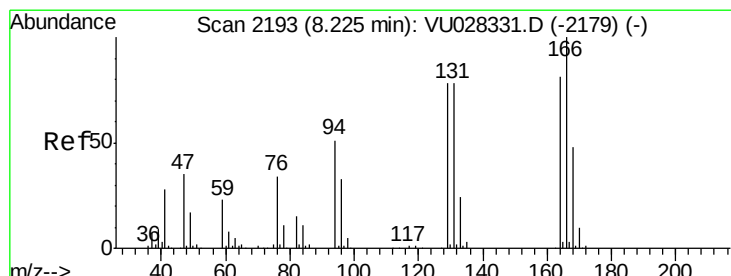
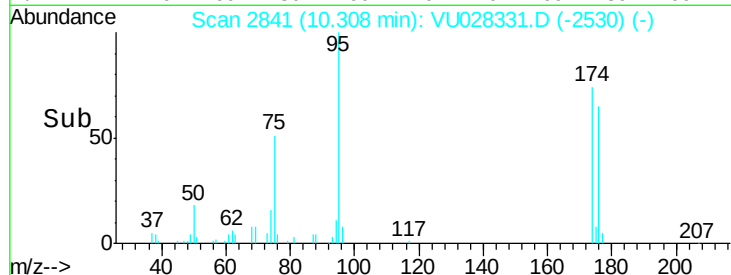
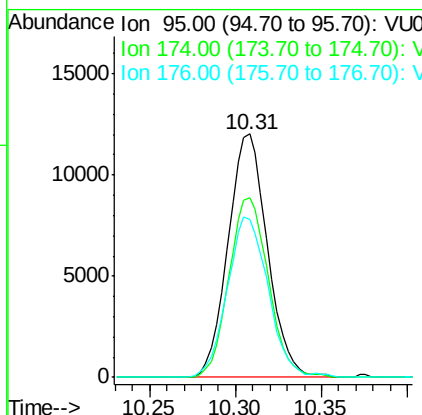
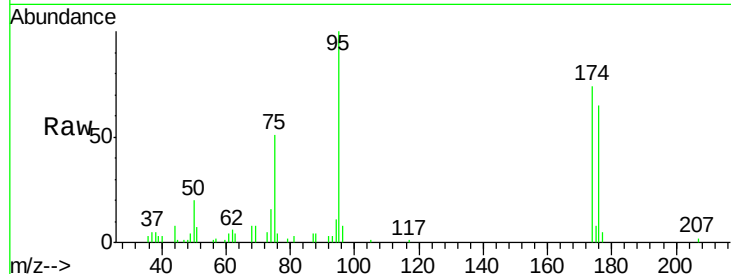
#57
4-Bromofluorobenzene
Concen: 10.128 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	19136		
174	74.1	59.3	88.9	
176	67.9	54.3	81.5	

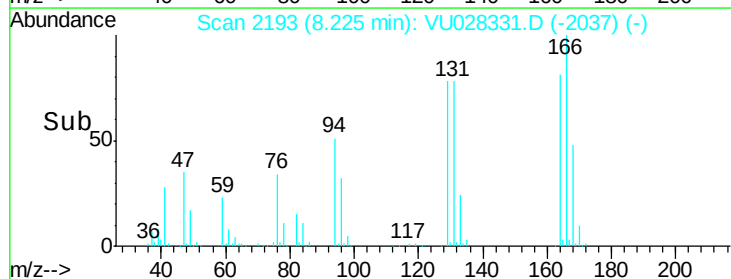
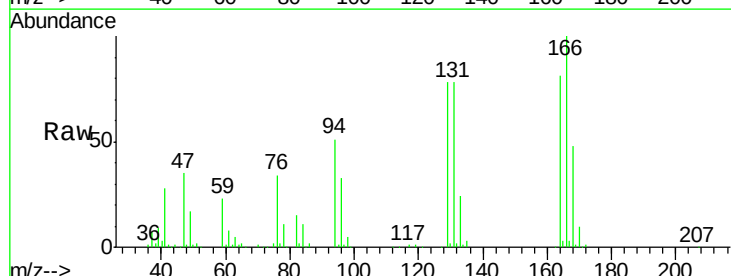
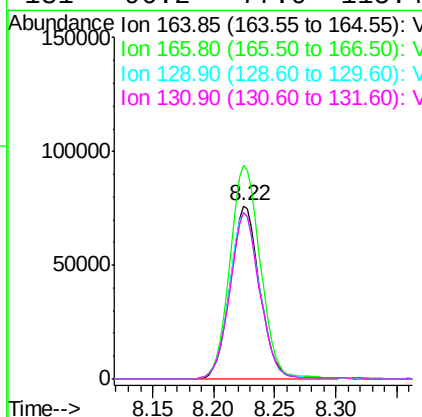
Manual Integrations
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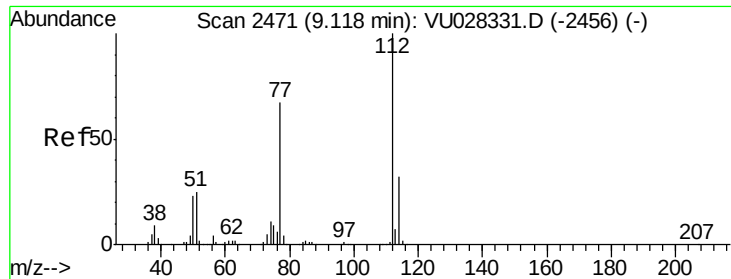
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11/30/2018 2:33:37 PM



#58
Tetrachloroethene
Concen: 10.210 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129467		
166	123.3	98.6	148.0	
129	96.2	77.0	115.4	
131	96.2	77.0	115.4	





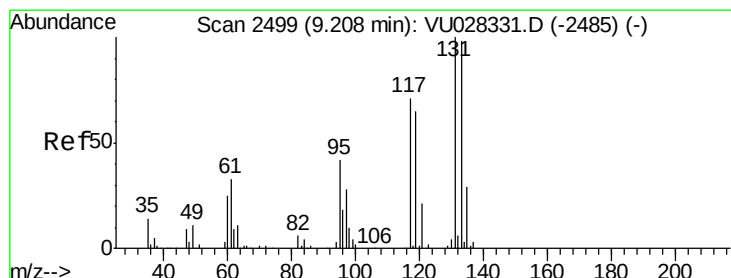
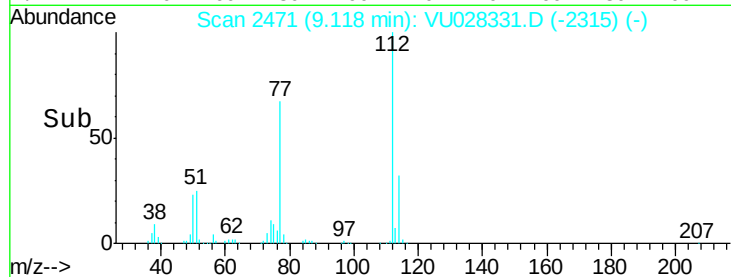
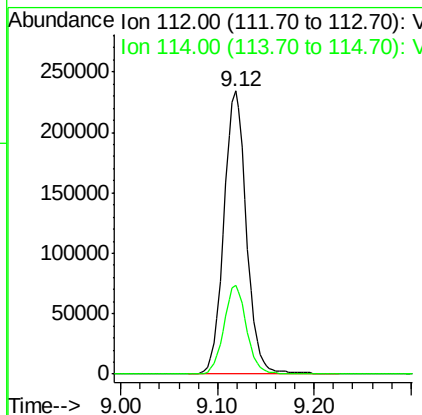
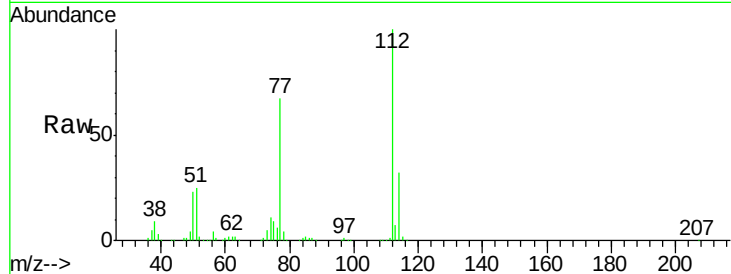
#59
Chlorobenzene
Concen: 10.314 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 379011
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8

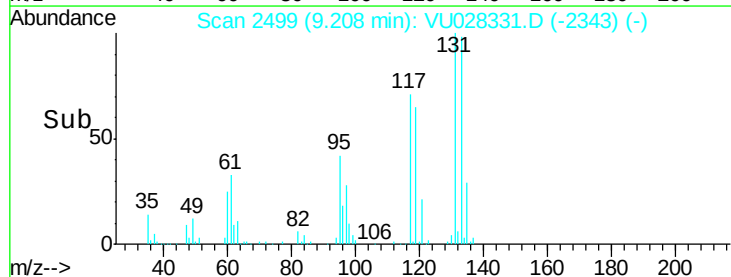
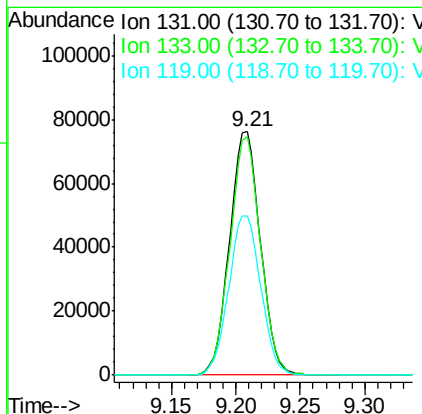
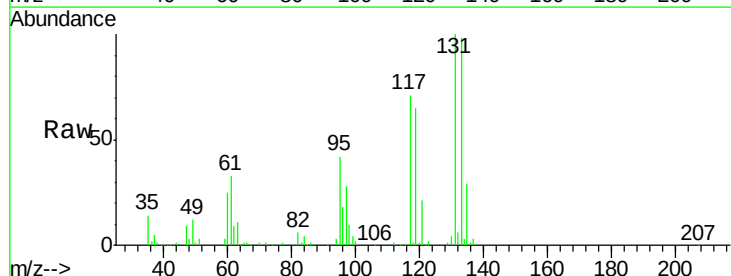
Manual Integrations
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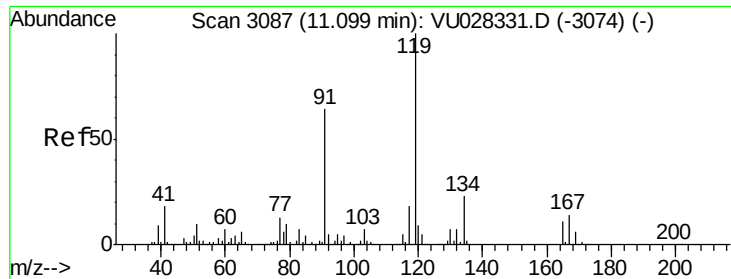
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11/30/2018 2:33:37 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.168 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion:131 Resp: 126615
Ion Ratio Lower Upper
131 100
133 97.1 77.7 116.5
119 67.9 54.3 81.5





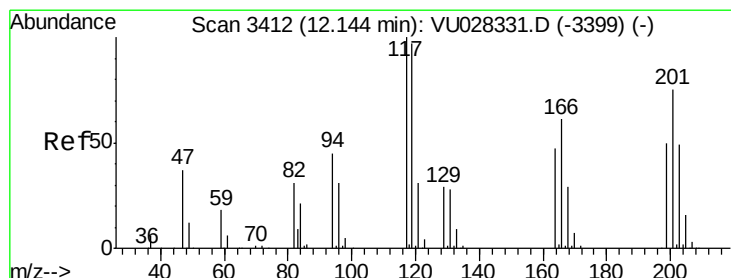
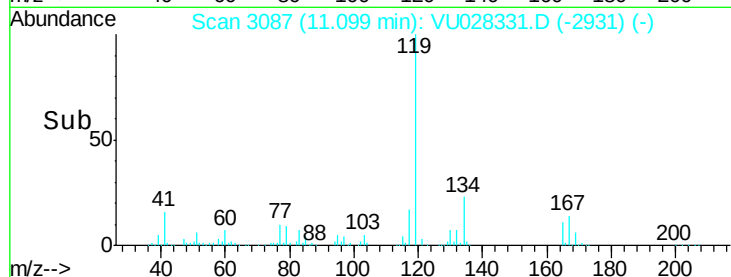
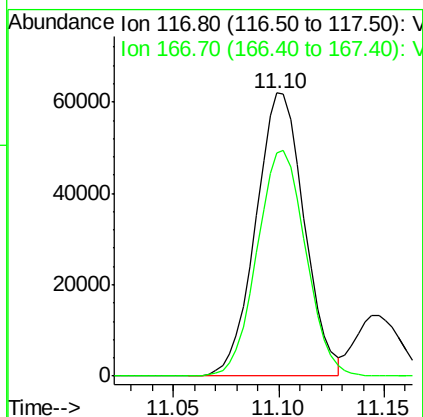
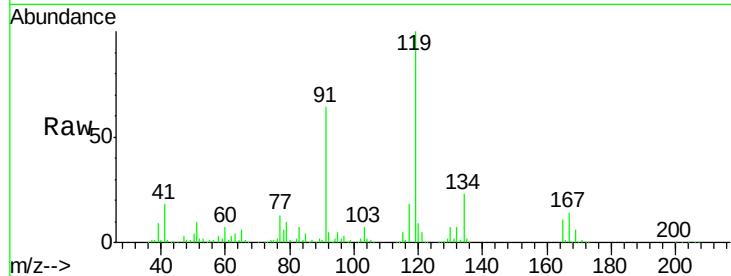
#61
 Pentachloroethane
 Concen: 10.230 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	99138		
167	80.2	64.2	96.2	

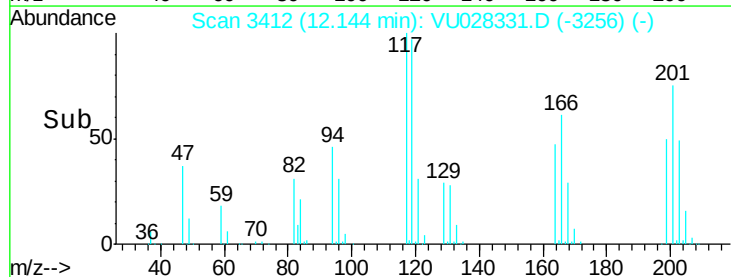
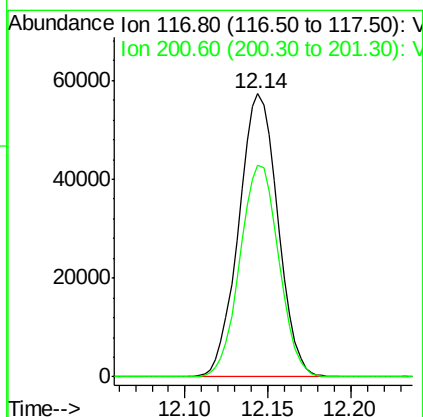
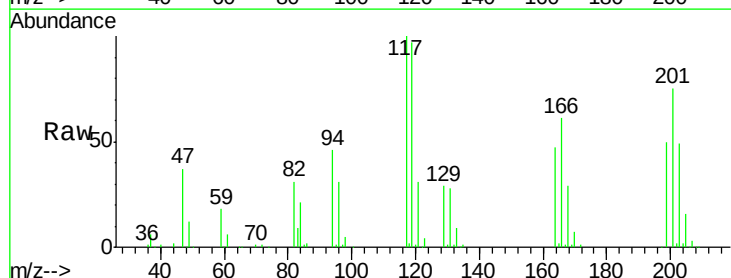
Manual Integrations
 APPROVED

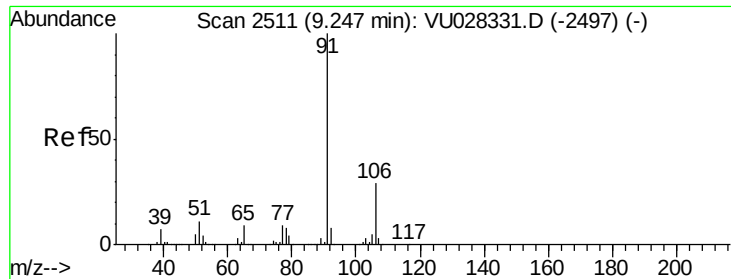
MMDadoda
 11/30/2018 2:33:37 PM



#62
 Hexachloroethane
 Concen: 10.380 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	94263		
201	74.3	59.4	89.2	





#63

Ethyl Benzene

Concen: 10.635 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 721070

Ion Ratio Lower Upper

91 100

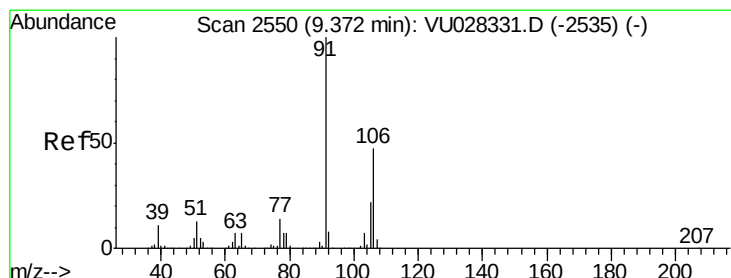
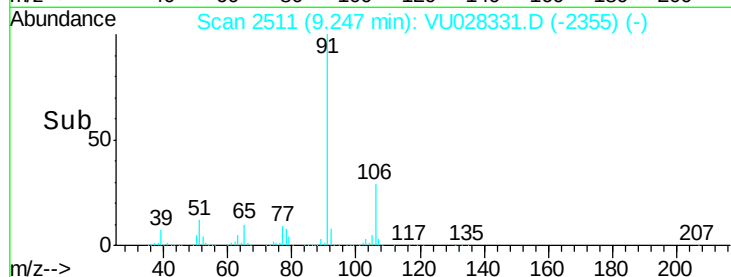
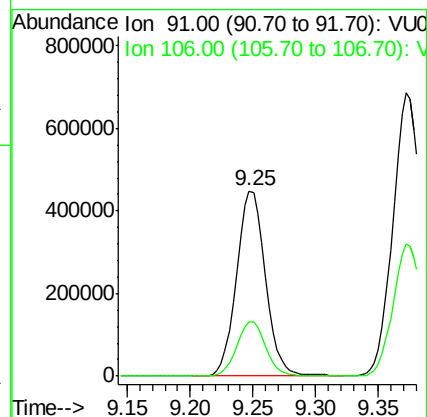
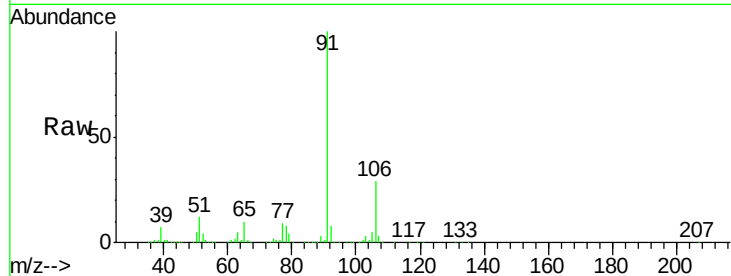
106 29.3 23.4 35.2

Manual Integrations

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#64

m/p-Xylenes

Concen: 21.272 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028331.D

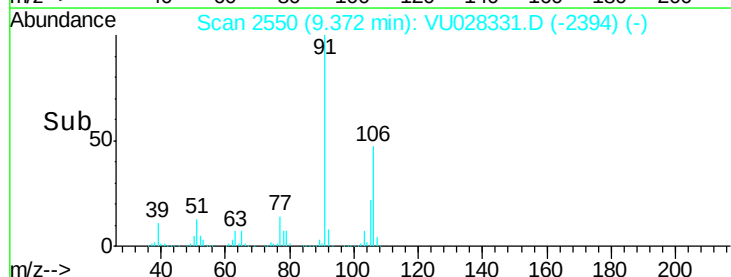
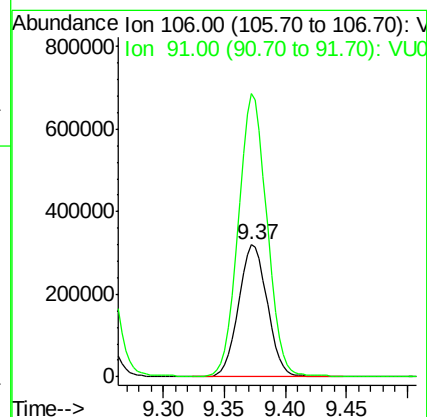
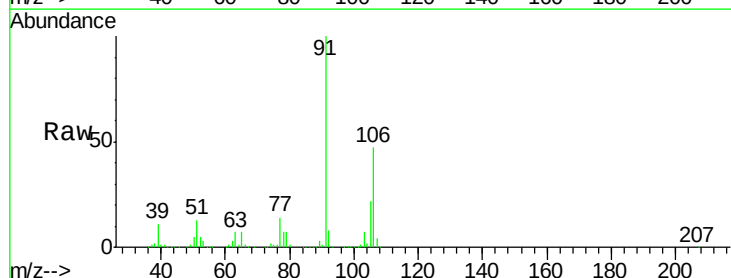
Acq: 26 Nov 2018 11:25

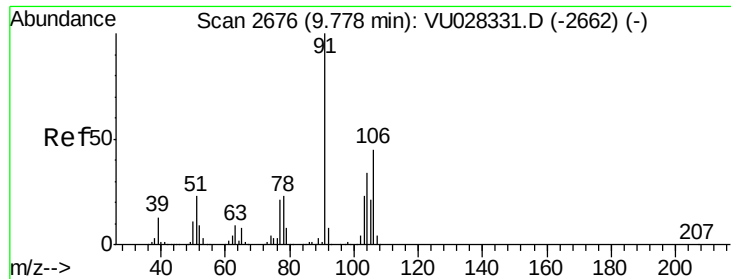
Tgt Ion: 106 Resp: 521977

Ion Ratio Lower Upper

106 100

91 213.3 170.6 256.0





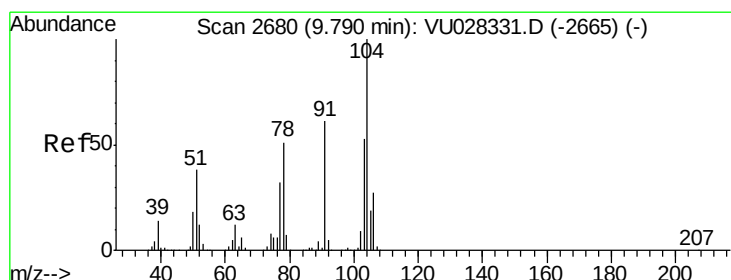
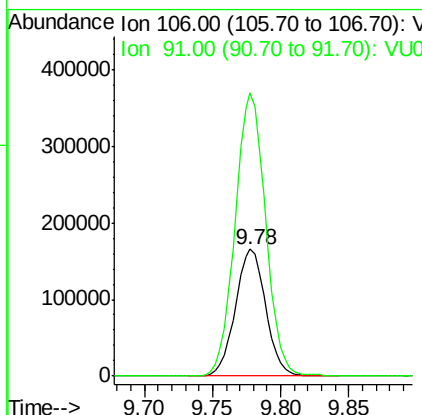
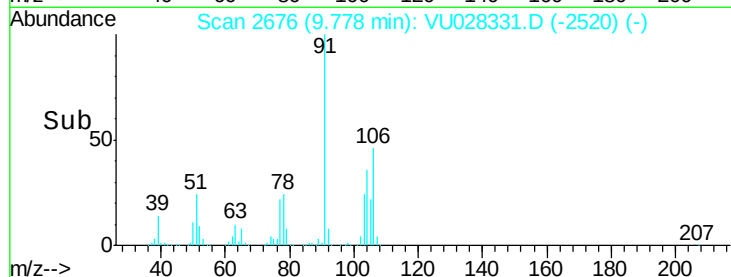
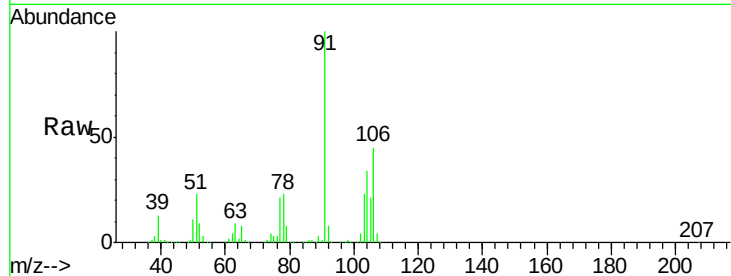
#65
o-Xylene
Concen: 10.793 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:106 Resp: 255569
Ion Ratio Lower Upper
106 100
91 224.7 112.3 337.0

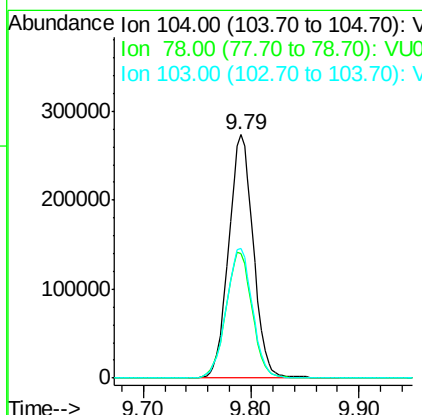
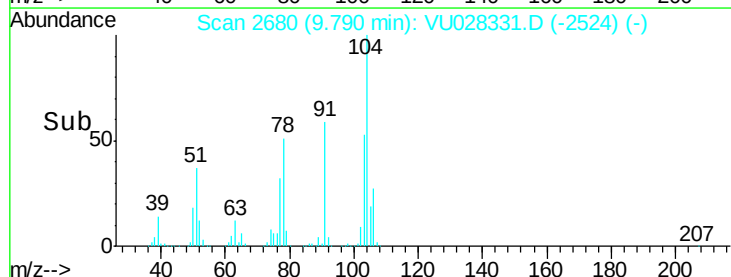
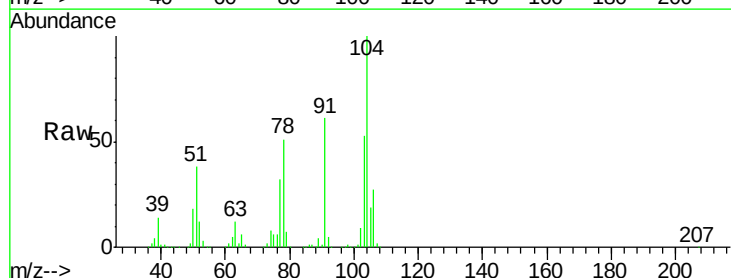
Manual Integrations
APPROVED

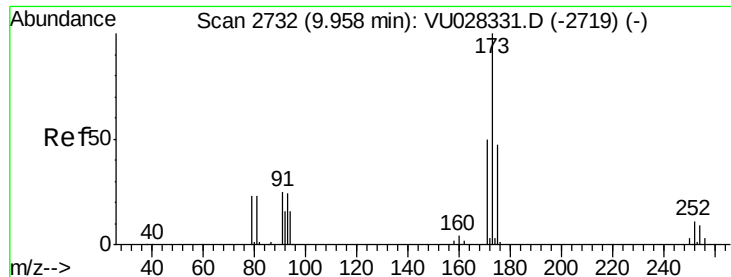
MMDadoda
11/30/2018 2:33:37 PM



#66
Styrene
Concen: 10.755 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion:104 Resp: 436821
Ion Ratio Lower Upper
104 100
78 55.0 44.0 66.0
103 56.5 45.2 67.8





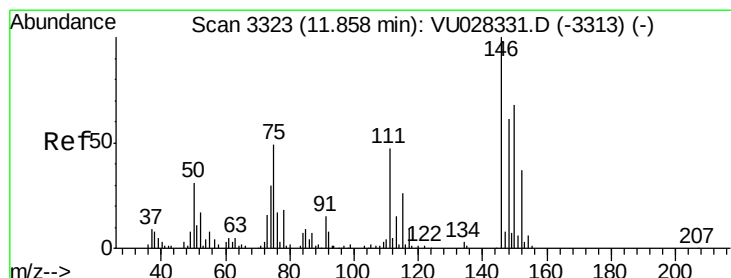
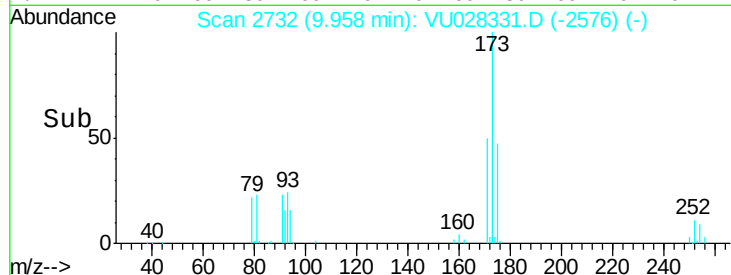
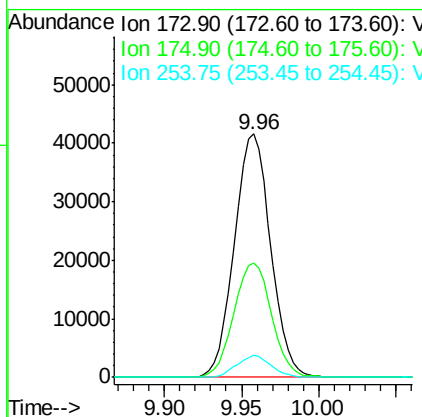
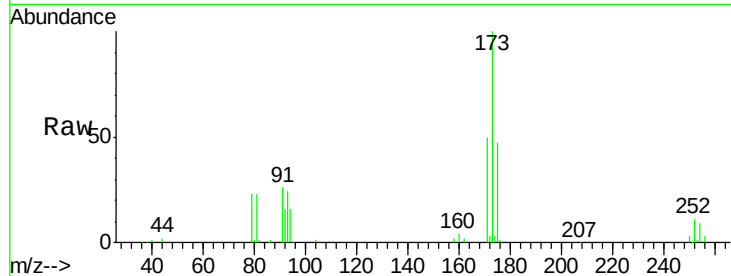
#67
Bromoform
Concen: 10.478 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.6
254	8.5	6.8	10.2

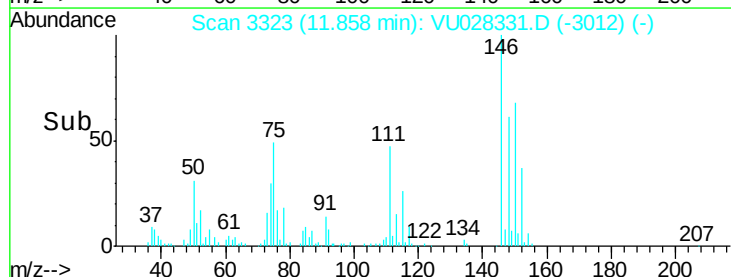
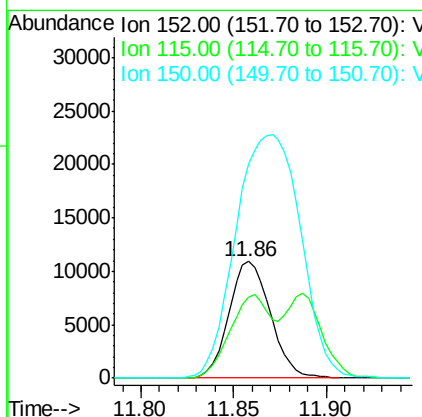
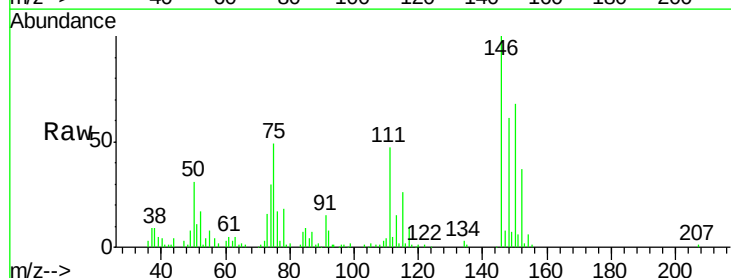
Manual Integrations
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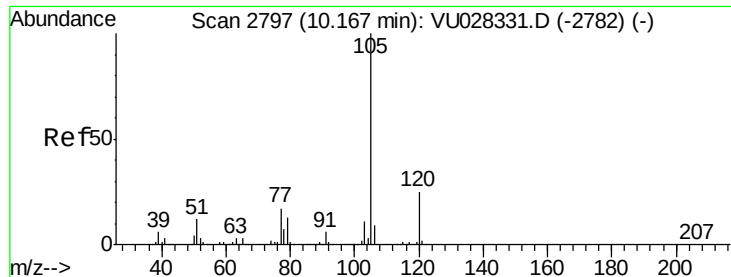
MMDadoda
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#68
1,2-Dichlorobenzene-d4
Concen: 10.478 ug/l
RT: 11.86 min Scan# 3323
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.4	0.0	146.8
150	326.6	0.0	653.2





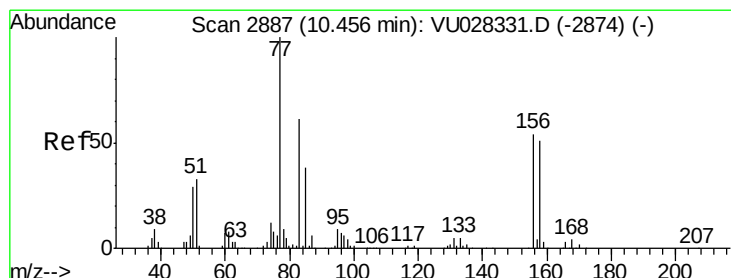
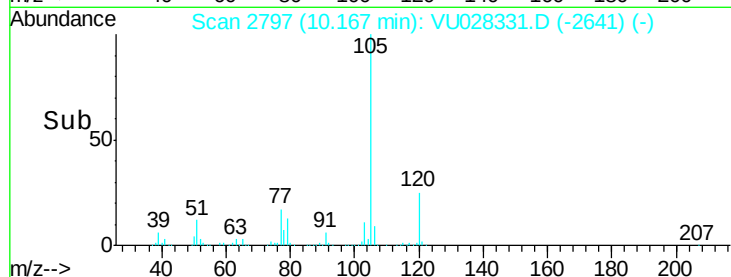
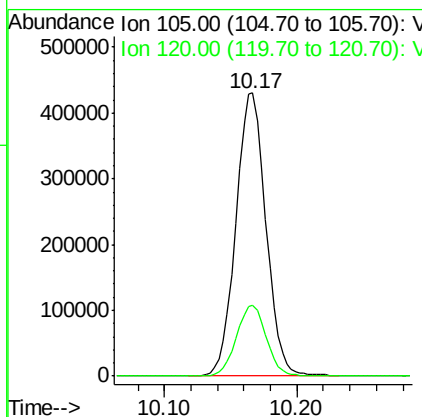
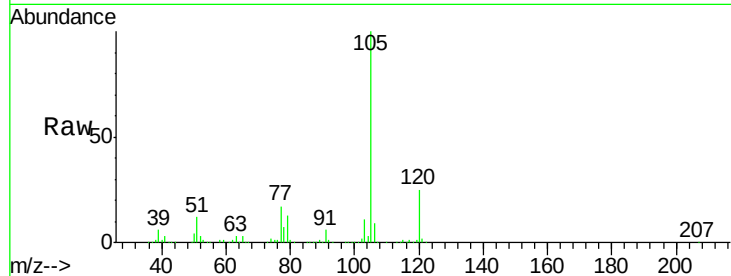
#69
Isopropylbenzene
Concen: 10.702 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.6	37.6

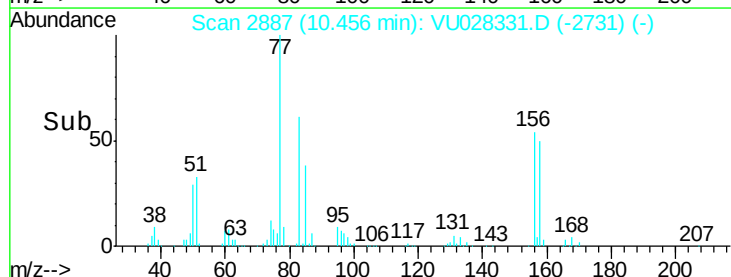
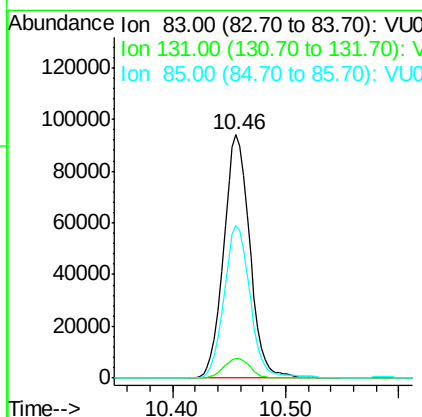
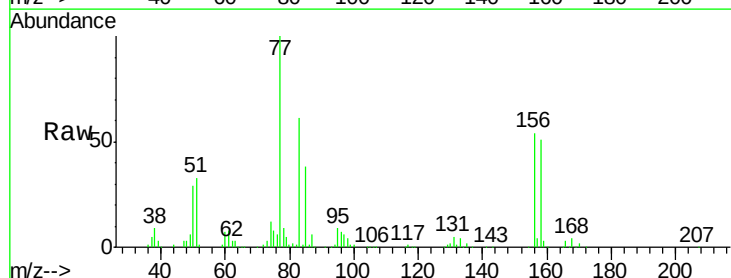
Manual Integrations
APPROVED

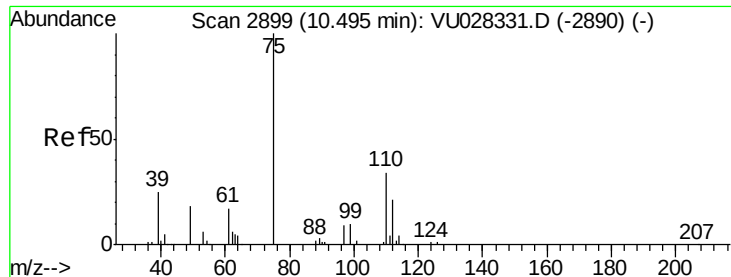
MMDadoda
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#70
1,1,2,2-Tetrachloroethane
Concen: 10.370 ug/l
RT: 10.46 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.2	6.6	9.8
85	63.1	50.5	75.7





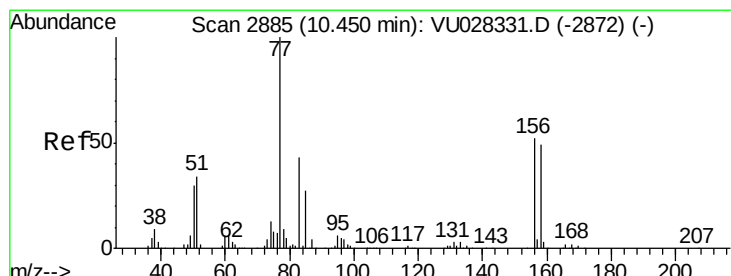
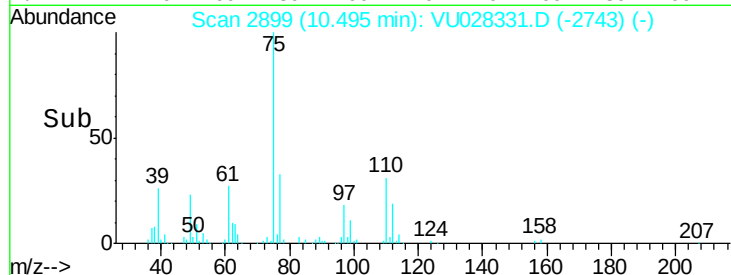
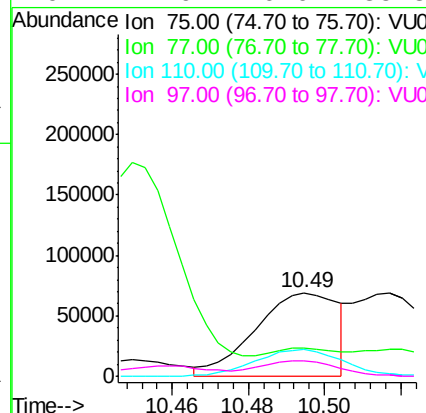
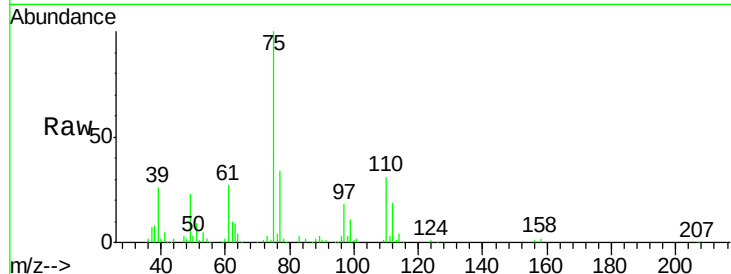
#71
1,2,3-Trichloropropane
Concen: 10.444 ug/l m
RT: 10.49 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	33.8	0.0	67.6
97	17.9	0.0	35.8

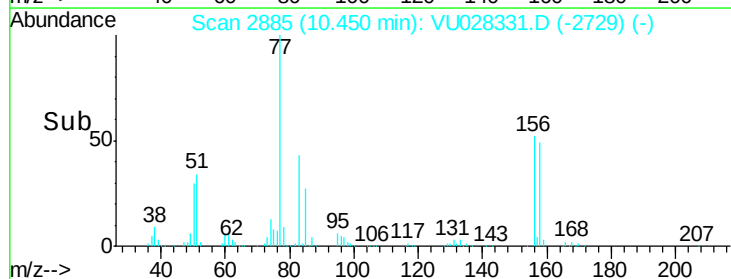
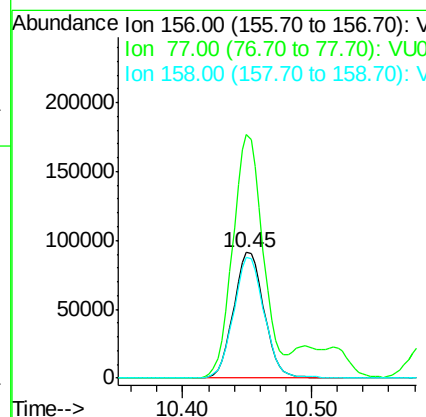
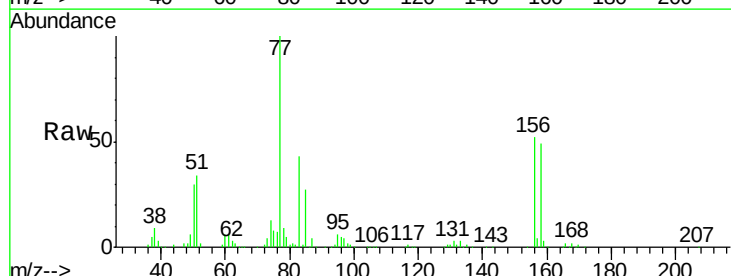
Manual Integrations
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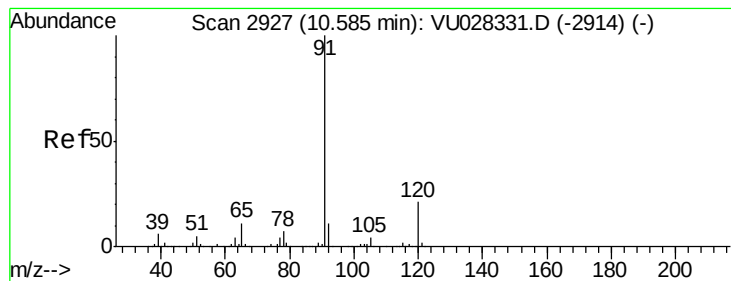
MMDadoda
11/30/2018 2:33:37 PM



#72
Bromobenzene
Concen: 10.701 ug/l
RT: 10.45 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
156	100		
77	190.2	0.0	380.4
158	95.6	0.0	191.2





#73

n-propylbenzene

Concen: 10.996 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:120 Resp: 180833

Ion Ratio Lower Upper

120 100

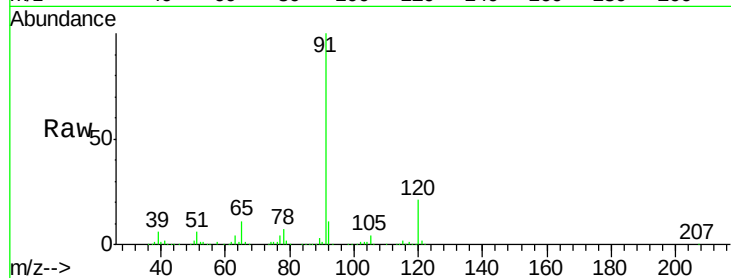
91 485.1 388.1 582.1

Manual Integrations

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

600000

400000

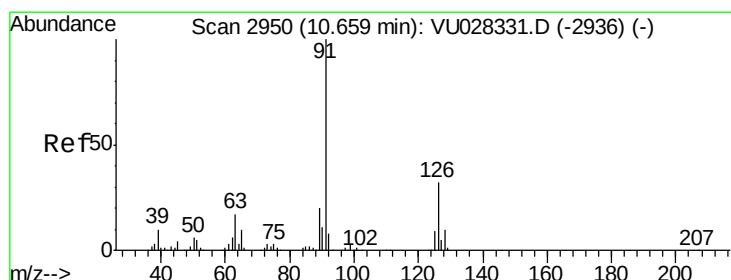
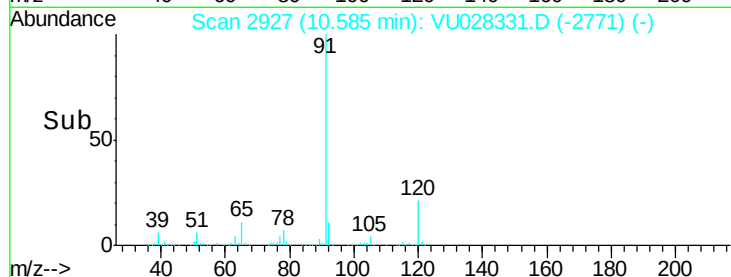
200000

0

10.58

10.50 10.55 10.60 10.65

Time-->



#74

2-Chlorotoluene

Concen: 10.509 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028331.D

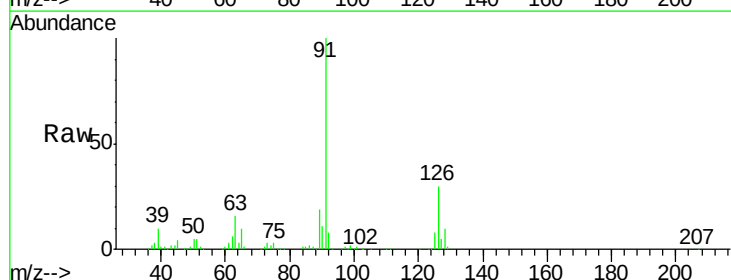
Acq: 26 Nov 2018 11:25

Tgt Ion:126 Resp: 151432

Ion Ratio Lower Upper

126 100

91 330.5 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

600000

400000

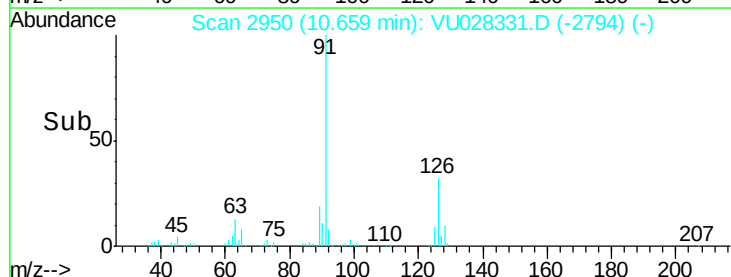
200000

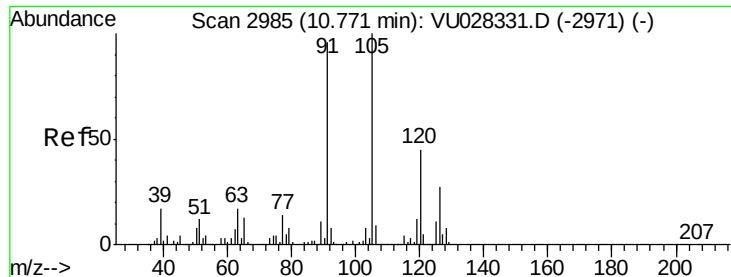
0

10.66

10.60 10.65 10.70

Time-->





#75

1,3,5-Trimethylbenzene

Concen: 10.967 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 585228

Ion Ratio Lower Upper

105 100

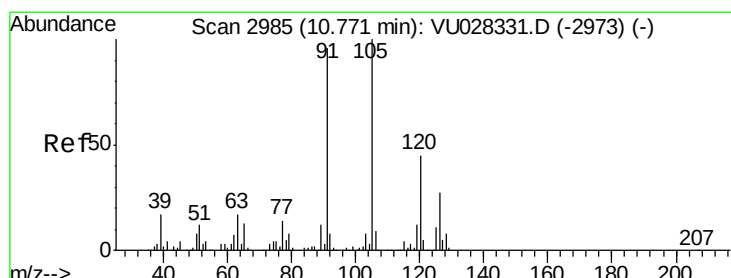
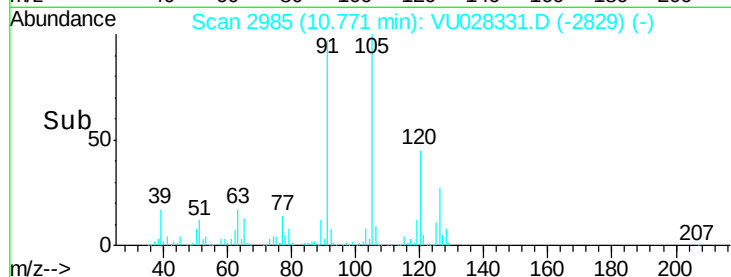
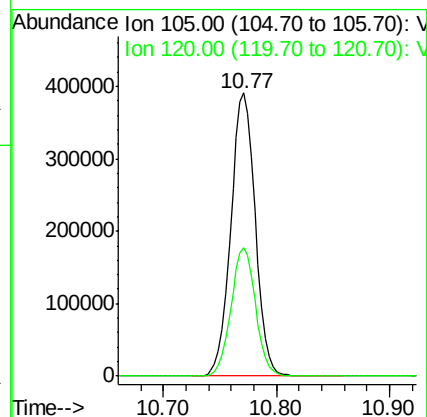
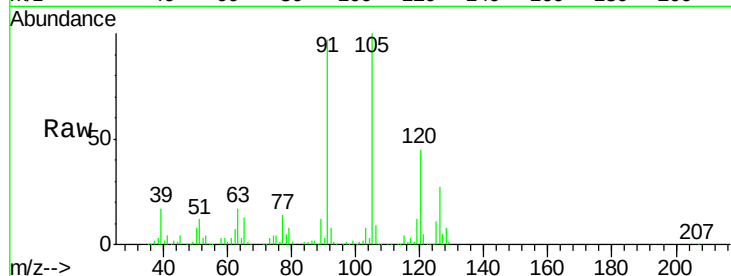
120 45.4 36.3 54.5

Manual Integrations

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MMDadoda

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#76

4-Chlorotoluene

Concen: 10.945 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028331.D

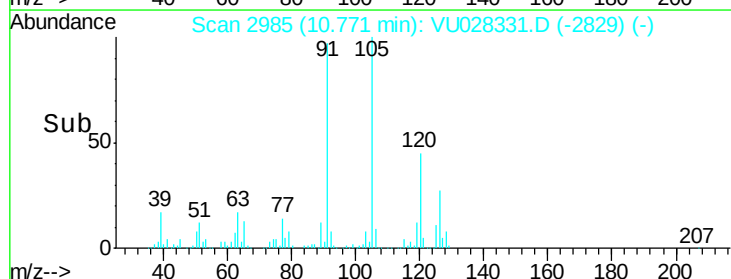
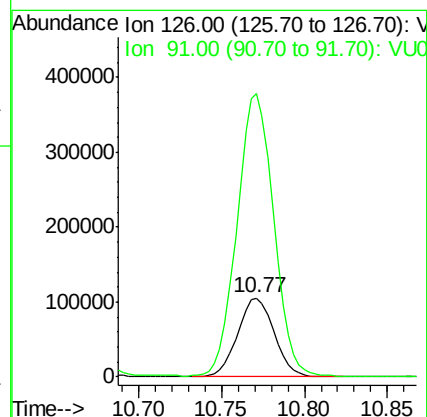
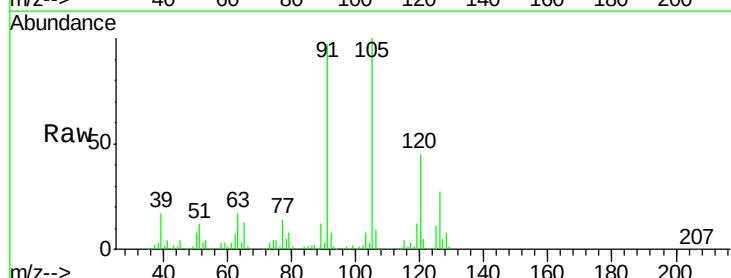
Acq: 26 Nov 2018 11:25

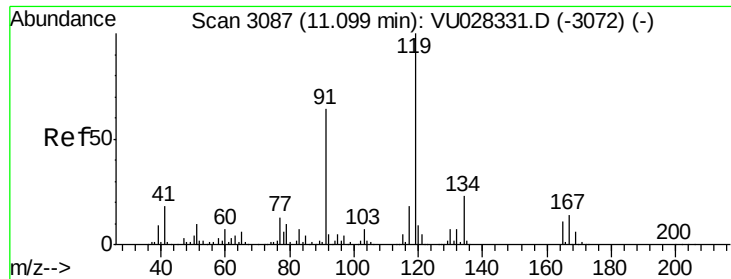
Tgt Ion:126 Resp: 159896

Ion Ratio Lower Upper

126 100

91 365.6 0.0 731.2





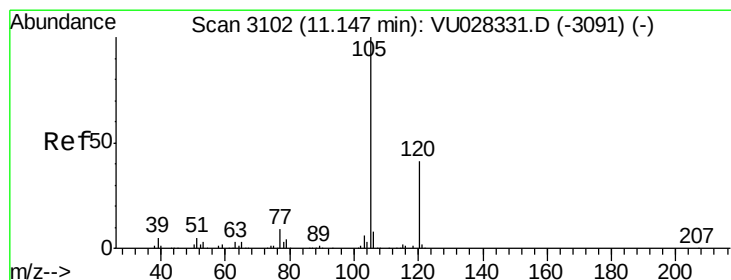
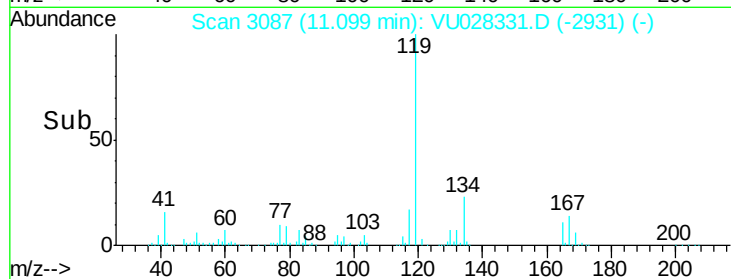
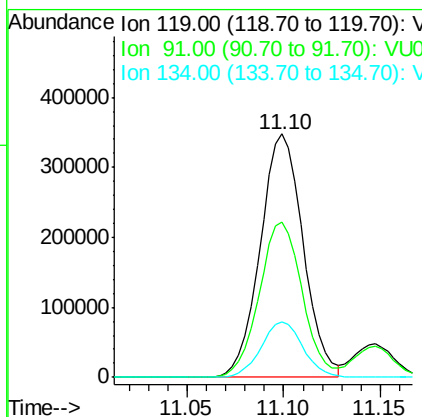
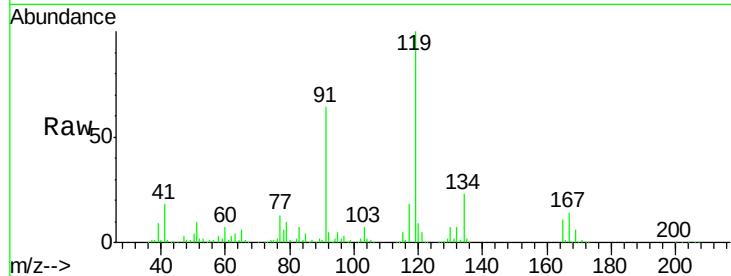
#77
 tert-Butylbenzene
 Concen: 10.710 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	538072		
91	64.0	32.0	96.0	
134	22.4	17.9	26.9	

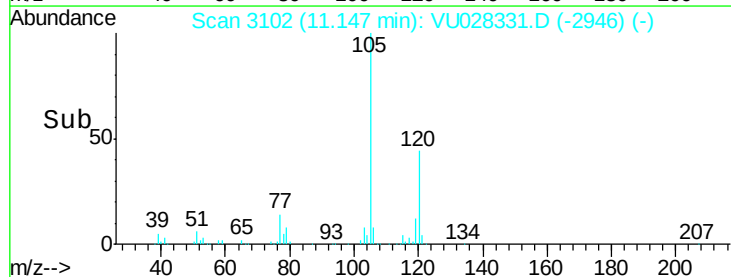
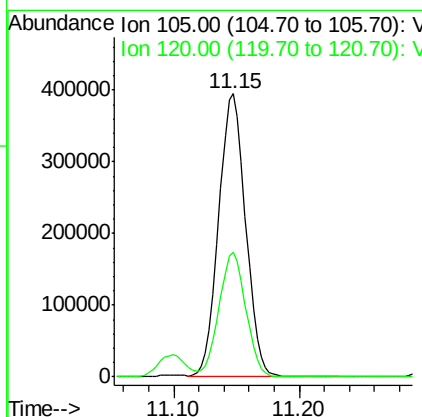
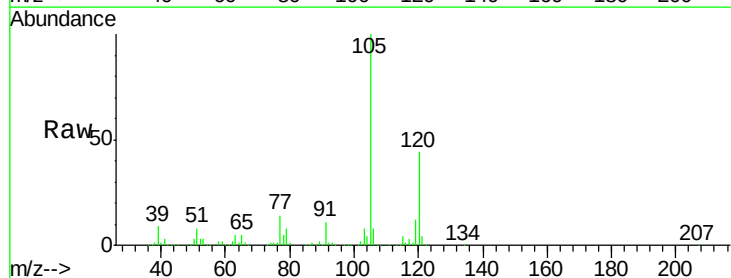
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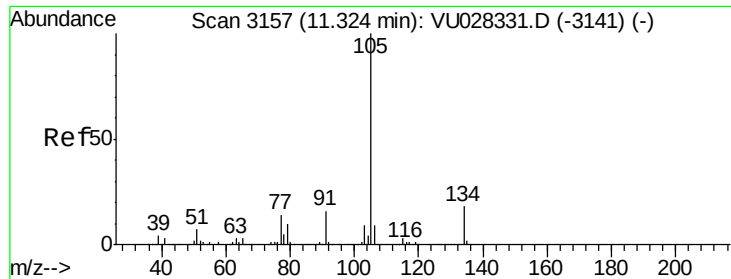
MMDadoda
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#78
 1,2,4-Trimethylbenzene
 Concen: 10.748 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	587728		
120	43.9	21.9	65.8	





#79

sec-Butylbenzene

Concen: 10.824 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 105 Resp: 758095

Ion Ratio Lower Upper

105 100

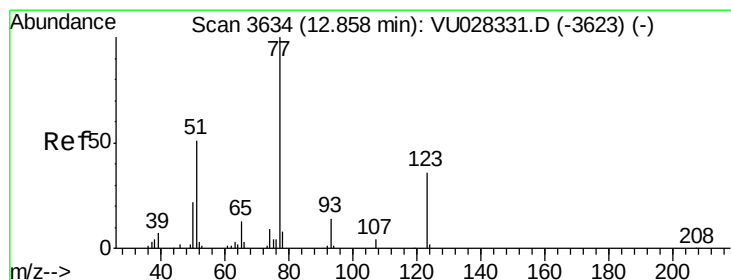
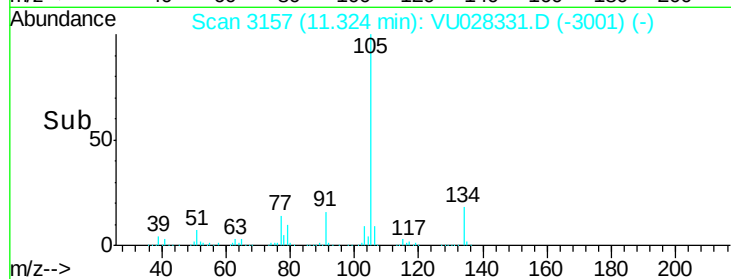
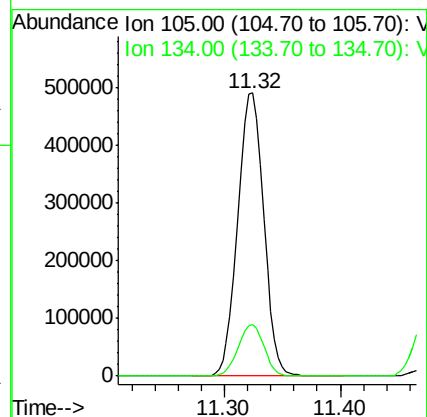
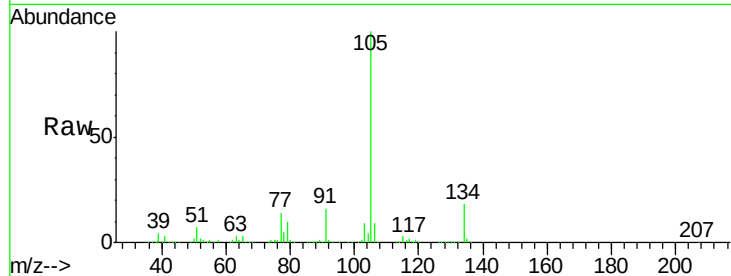
134 18.3 14.6 22.0

Manual Integrations

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#80

Nitrobenzene

Concen: 54.807 ug/l

RT: 12.86 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU028331.D

Acq: 26 Nov 2018 11:25

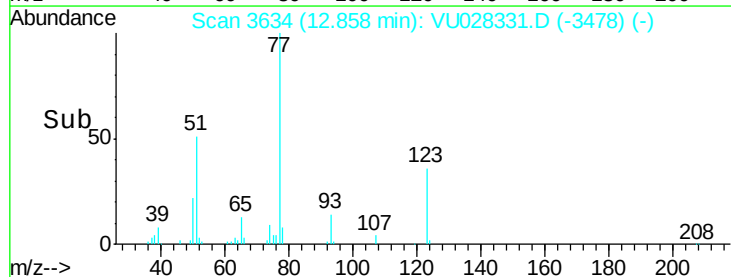
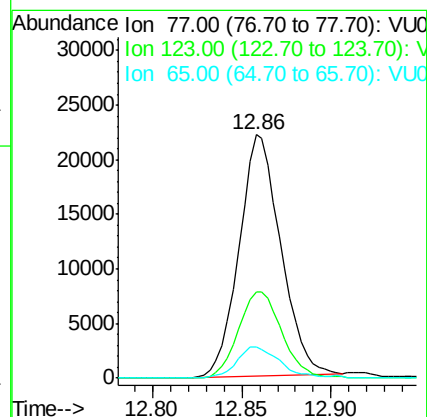
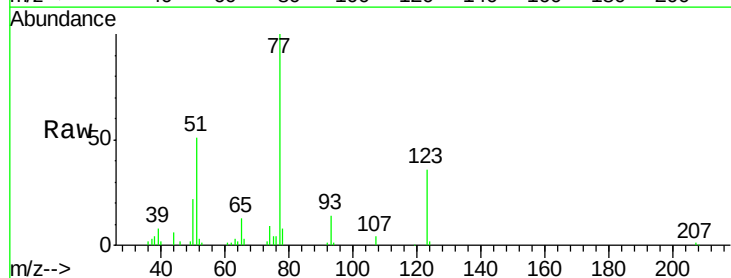
Tgt Ion: 77 Resp: 35894

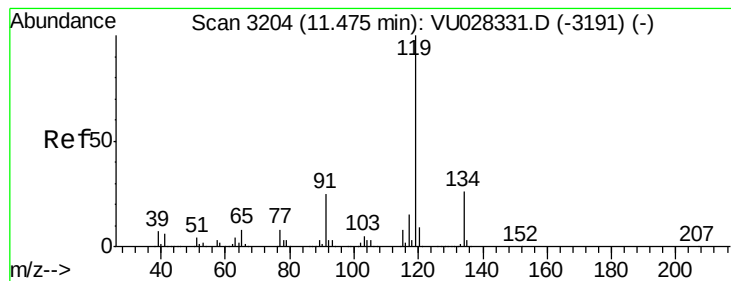
Ion Ratio Lower Upper

77 100

123 37.4 16.5 58.3

65 13.7 12.1 15.3





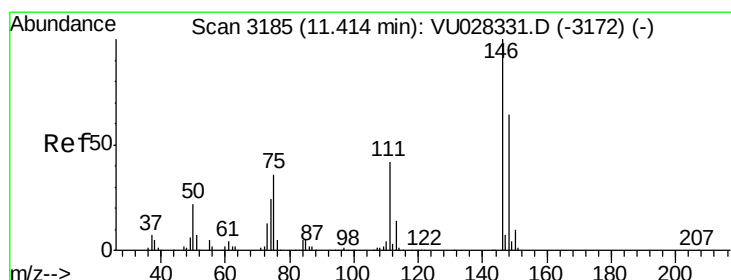
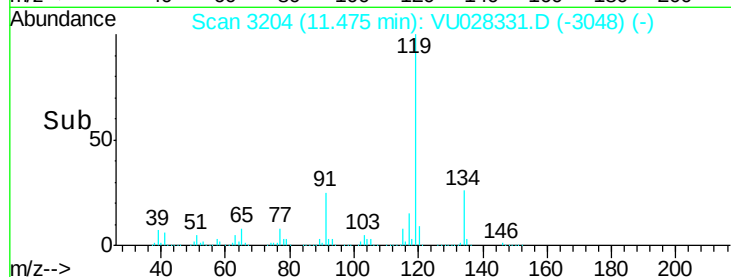
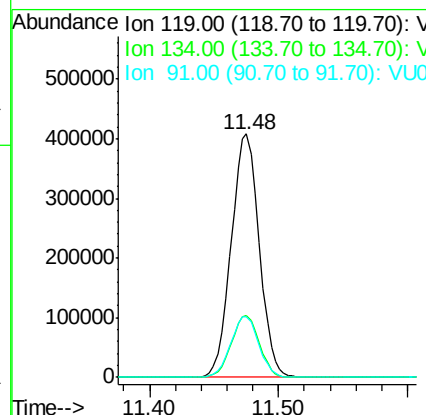
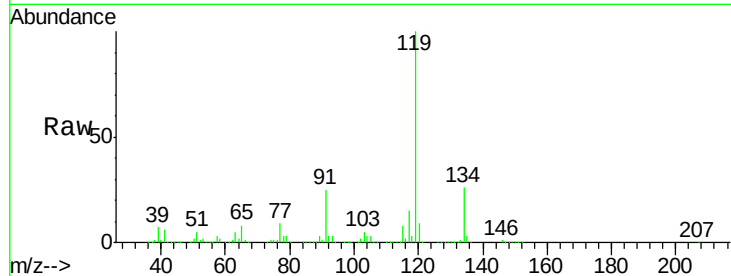
#81
p-Isopropyltoluene
Concen: 11.008 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	612669		
134	25.4	20.3	30.5	
91	25.0	20.0	30.0	

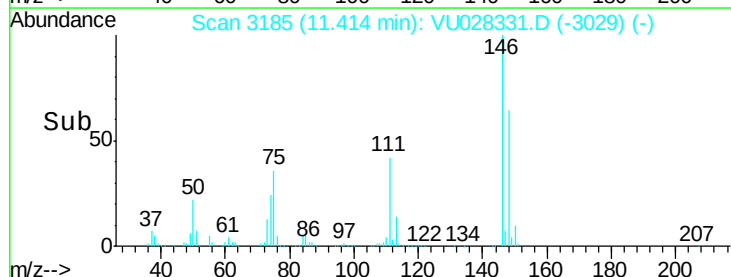
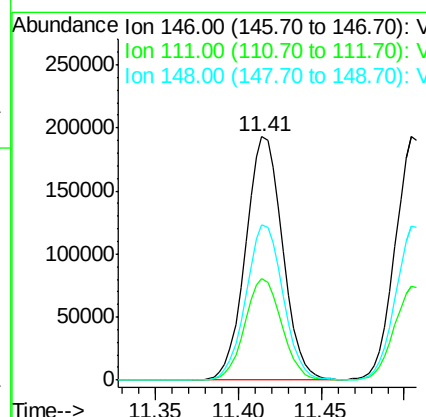
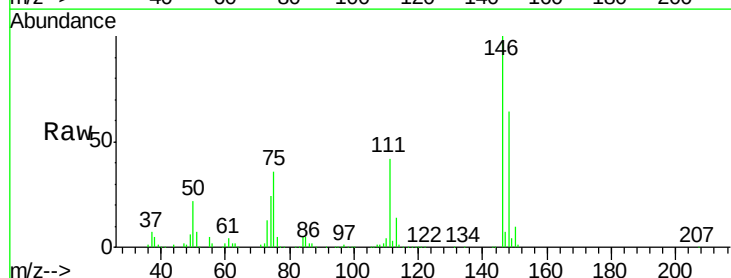
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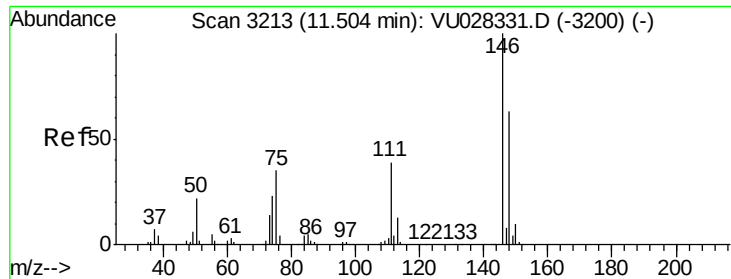
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#82
1,3-Dichlorobenzene
Concen: 10.604 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	298922		
111	41.8	33.4	50.2	
148	64.0	51.2	76.8	





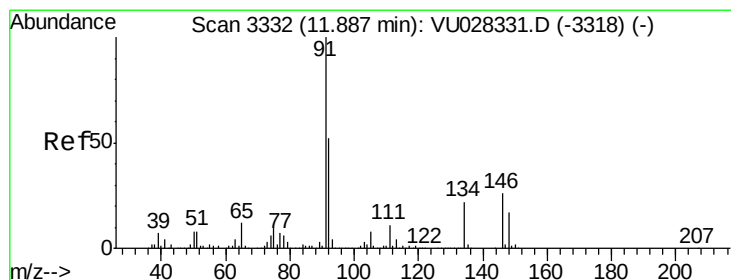
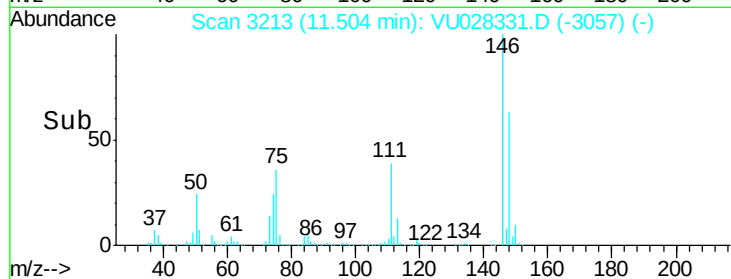
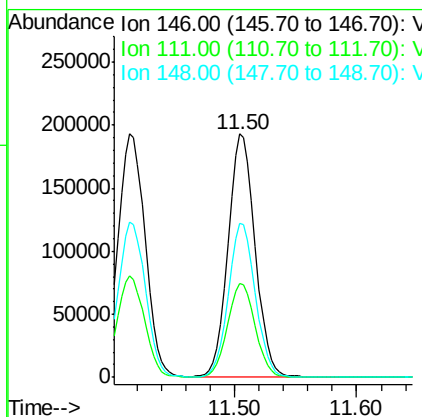
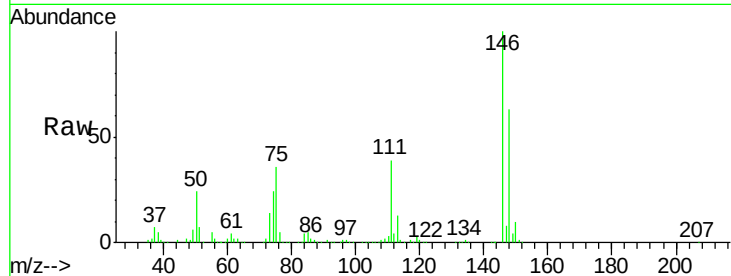
#83
 1,4-Dichlorobenzene
 Concen: 10.688 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	31.4	47.2
148	63.4	50.7	76.1

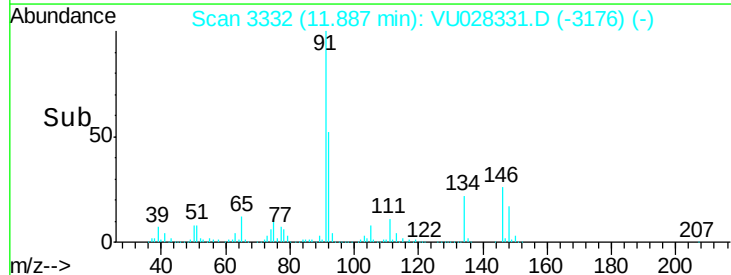
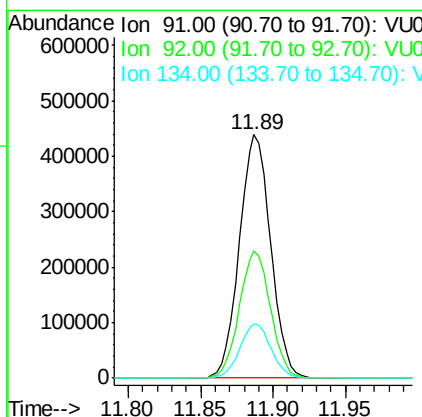
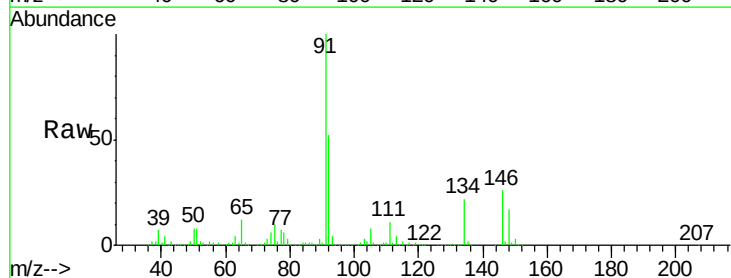
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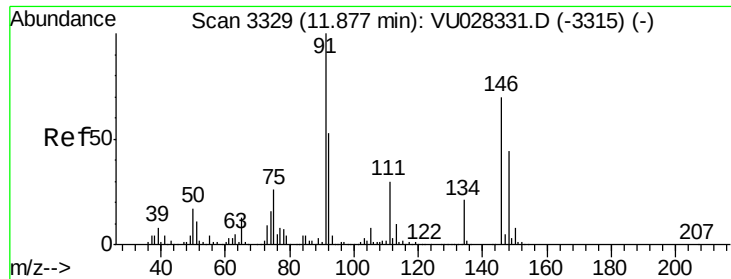
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#84
 n-Butylbenzene
 Concen: 11.252 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	41.6	62.4
134	22.2	17.8	26.6





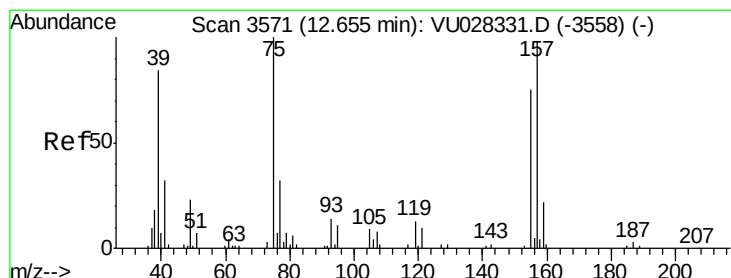
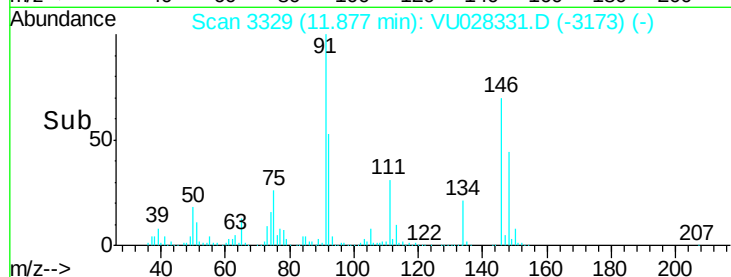
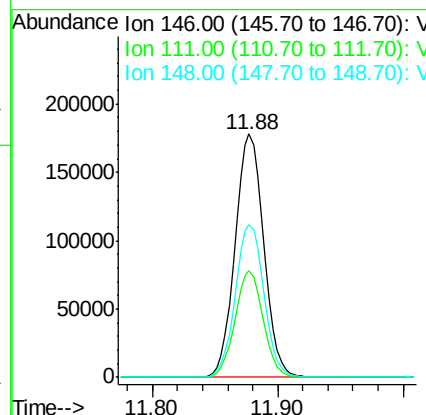
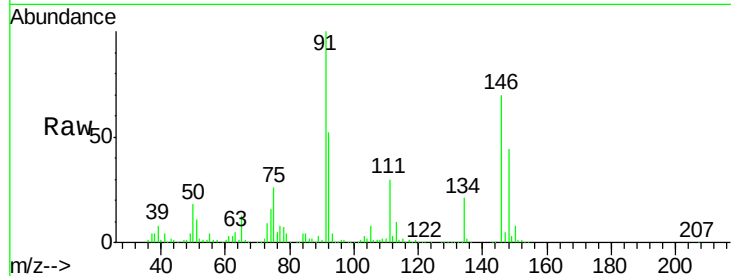
#85
 1,2-Dichlorobenzene
 Concen: 10.496 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	281613		
111	42.9	21.4	64.3	
148	62.8	31.4	94.2	

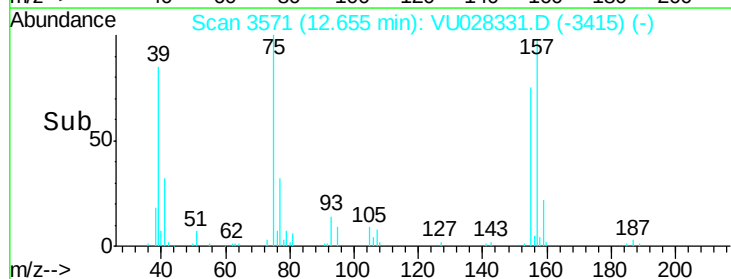
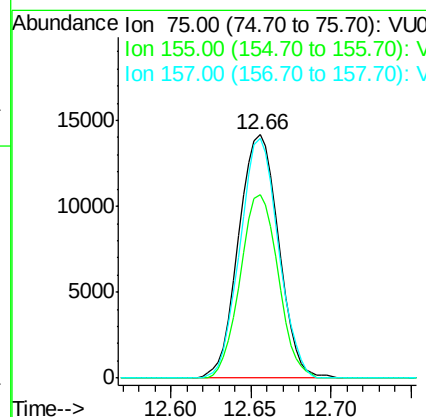
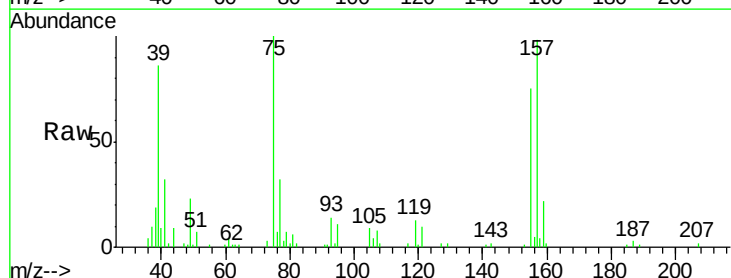
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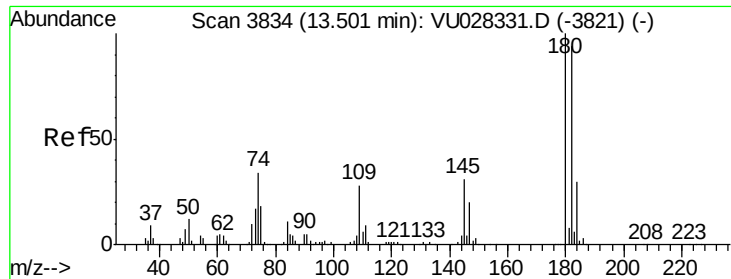
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.342 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24184		
155	71.2	57.0	85.4	
157	94.3	75.4	113.2	





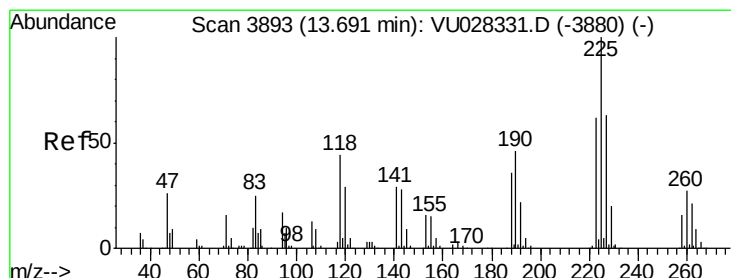
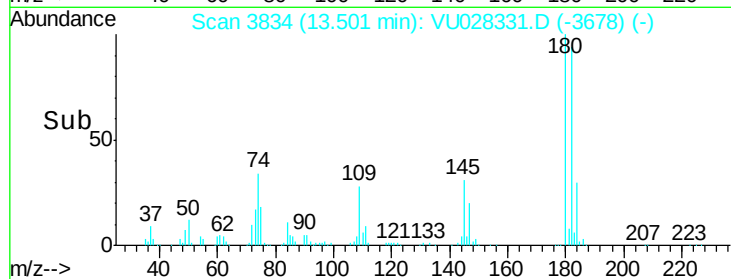
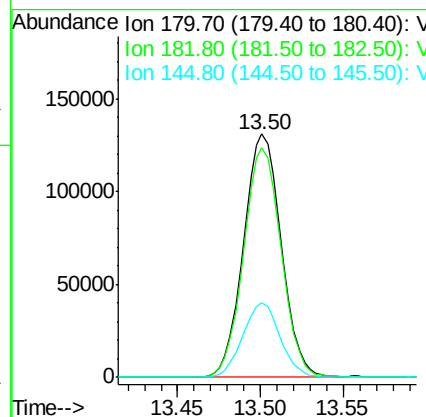
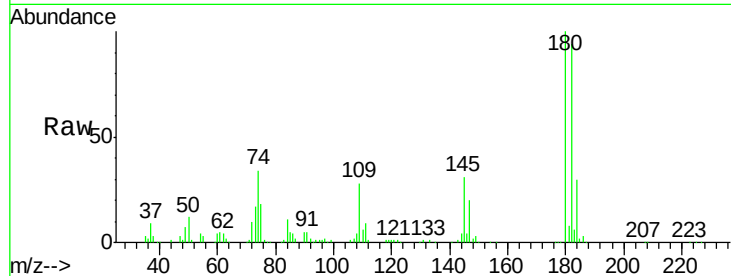
#87
 1,2,4-Trichlorobenzene
 Concen: 10.984 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	207171		
182	94.5	75.6	113.4	
145	30.5	24.4	36.6	

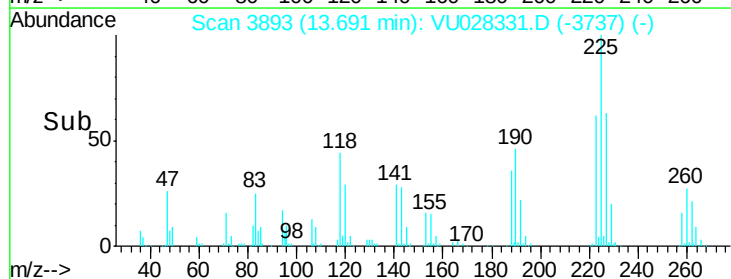
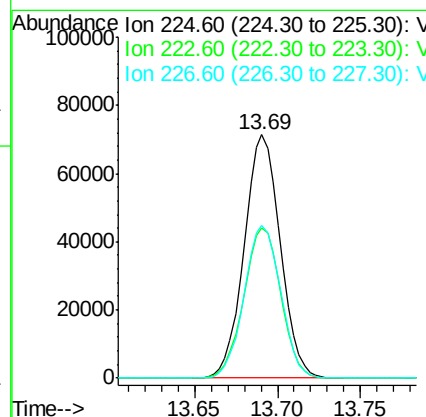
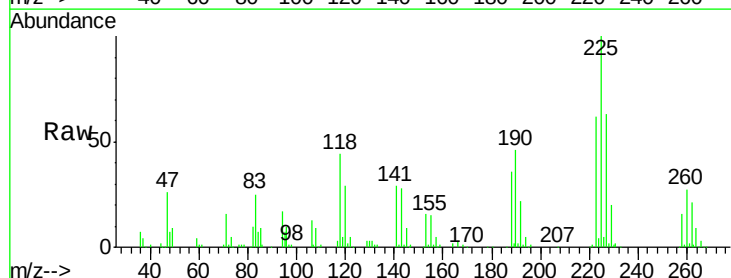
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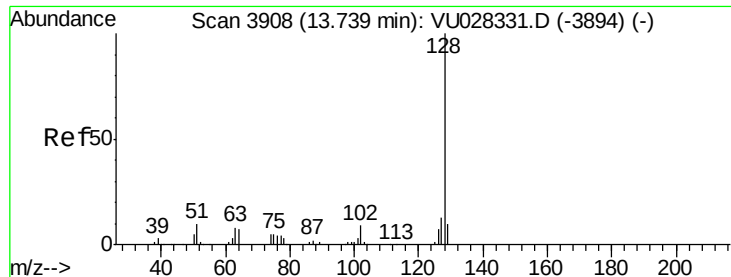
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#88
 Hexachlorobutadiene
 Concen: 10.590 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028331.D
 Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108071		
223	63.3	50.6	76.0	
227	63.5	50.8	76.2	





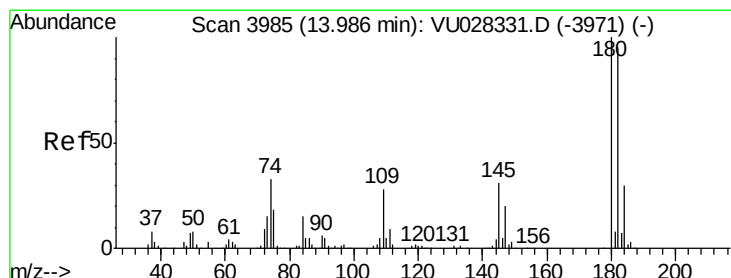
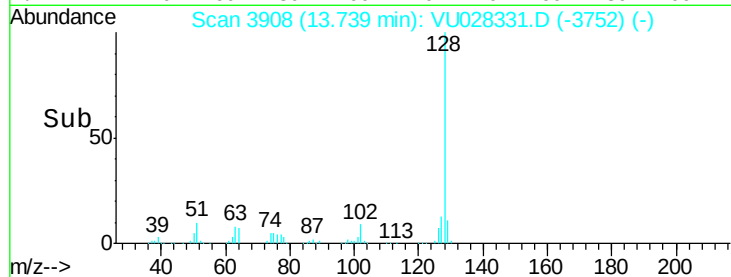
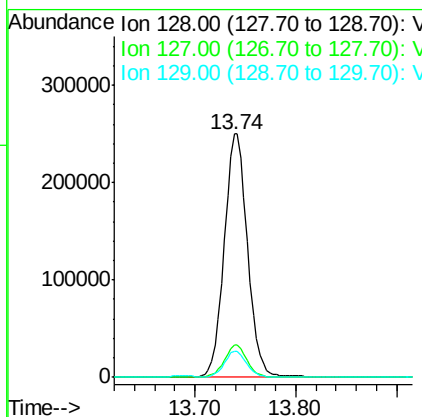
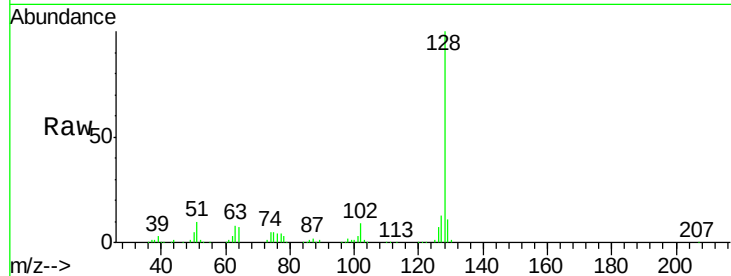
#89
Naphthalene
Concen: 10.870 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	405203		
127	12.9	10.3	15.5	
129	10.3	8.2	12.4	

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 10.715 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028331.D
Acq: 26 Nov 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	190570		
182	95.1	76.1	114.1	
145	32.5	26.0	39.0	

