

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120518\
 Data File : VU028490.D
 Acq On : 05 Dec 2018 19:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/6/2018 4:53:28 PM

Quant Time: Dec 06 03:47:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	287252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	499963	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	481115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	246733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	258620	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	4.88	113	191904	57.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.44%	
50) Toluene-d8	7.57	98	763941	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	
62) 4-Bromofluorobenzene	10.30	95	295164	61.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	199389	51.744	ug/l	99
3) Chloromethane	1.33	50	355480	47.593	ug/l	99
4) Vinyl Chloride	1.40	62	273827	52.398	ug/l	99
5) Bromomethane	1.62	94	104008	51.458	ug/l	98
6) Chloroethane	1.69	64	159784	53.136	ug/l	95
7) Trichlorofluoromethane	1.89	101	296092	54.546	ug/l	99
8) Diethyl Ether	2.10	74	141883	56.226	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	181101	57.271	ug/l	98
10) Methyl Iodide	2.41	142	122785	41.176	ug/l	96
11) Tert butyl alcohol	2.82	59	293658	269.255	ug/l	98
12) 1,1-Dichloroethene	2.28	96	177931	57.982	ug/l	93
13) Acrolein	2.20	56	215814	222.582	ug/l	98
14) Allyl chloride	2.59	41	374917	46.761	ug/l	98
15) Acrylonitrile	2.94	53	781050	270.734	ug/l	99
16) Acetone	2.32	43	675008	229.852	ug/l	98
17) Carbon Disulfide	2.48	76	571090	48.484	ug/l	99
18) Methyl Acetate	2.61	43	432185	52.857	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	687013	54.607	ug/l	98
20) Methylene Chloride	2.70	84	229761	55.478	ug/l	92
21) trans-1,2-Dichloroethene	2.98	96	195922	55.051	ug/l	91
22) Diisopropyl ether	3.57	45	811763	51.426	ug/l	98
23) Vinyl Acetate	3.52	43	3211995	244.803	ug/l	99
24) 1,1-Dichloroethane	3.45	63	414787	53.297	ug/l	99
25) 2-Butanone	4.26	43	1087097	258.293	ug/l	97
26) 2,2-Dichloropropane	4.23	77	322408	52.163	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	228702	54.337	ug/l	94
28) Bromochloromethane	4.55	49	197738	50.814	ug/l	91
29) Tetrahydrofuran	4.64	42	724797	265.240	ug/l	95
30) Chloroform	4.67	83	378629	52.708	ug/l	97
31) Cyclohexane	5.00	56	397614	49.768	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	307239	53.301	ug/l	99
36) 1,1-Dichloropropene	5.13	75	294759	53.876	ug/l	98
37) Ethyl Acetate	4.38	43	396365	53.162	ug/l	97
38) Carbon Tetrachloride	5.13	117	241338	53.718	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	356914	55.332	ug/l	96
40) Benzene	5.39	78	898799	55.468	ug/l	100
41) Methacrylonitrile	4.54	41	226457	54.693	ug/l	94
42) 1,2-Dichloroethane	5.40	62	310155	53.132	ug/l	99
43) Isopropyl Acetate	5.55	43	639668	54.141	ug/l	98
44) Trichloroethene	6.19	130	206048	59.323	ug/l	100
45) 1,2-Dichloropropane	6.43	63	251208	52.940	ug/l	98
46) Dibromomethane	6.56	93	152386	55.908	ug/l	98
47) Bromodichloromethane	6.76	83	292411	53.936	ug/l	100
48) Methyl methacrylate	6.62	41	319548	51.922	ug/l	96
49) 1,4-Dioxane	6.61	88	109598	1114.741	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	2027915	268.743	ug/l	96
52) Toluene	7.64	92	536190	57.463	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	352302	54.345	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	381517	54.934	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	213564	54.994	ug/l	98
56) Ethyl methacrylate	8.02	69	377016	57.067	ug/l	97
57) 1,3-Dichloropropane	8.24	76	394259	55.361	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	996008	280.805	ug/l	98
59) 2-Hexanone	8.36	43	1570474	268.683	ug/l	97
60) Dibromochloromethane	8.48	129	202727	54.889	ug/l	100
61) 1,2-Dibromoethane	8.58	107	231993	58.328	ug/l	98
64) Tetrachloroethene	8.22	164	180128	56.917	ug/l	99
65) Chlorobenzene	9.12	112	559159	55.972	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	186499	54.463	ug/l	99
67) Ethyl Benzene	9.25	91	1040152	55.282	ug/l	100
68) m/p-Xylenes	9.37	106	760483	112.293	ug/l	98
69) o-Xylene	9.78	106	370429	55.022	ug/l	99
70) Styrene	9.79	104	614621	56.607	ug/l	99
71) Bromoform	9.96	173	157611	54.760	ug/l #	99
73) Isopropylbenzene	10.16	105	983641	51.259	ug/l	99
74) N-amyl acetate	10.01	43	557899	46.402	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	381752	48.376	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	318697m	46.579	ug/l	
77) Bromobenzene	10.45	156	237877	52.608	ug/l	94
78) n-propylbenzene	10.58	91	1231073	52.003	ug/l	99
79) 2-Chlorotoluene	10.66	91	703781	50.431	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	832941	51.508	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	122812m	47.647	ug/l	
82) 4-Chlorotoluene	10.77	91	821493	51.092	ug/l	99
83) tert-Butylbenzene	11.10	119	778415	51.637	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	840941	51.342	ug/l	97
85) sec-Butylbenzene	11.32	105	1016699	51.926	ug/l	100
86) p-Isopropyltoluene	11.48	119	865978	53.789	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	435492	52.806	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	441129	53.149	ug/l	98
89) n-Butylbenzene	11.89	91	879713	55.366	ug/l	99
90) Hexachloroethane	12.14	117	126245	50.227	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	431873	52.487	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	86341	49.189	ug/l	95

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VSTDCCC050EC

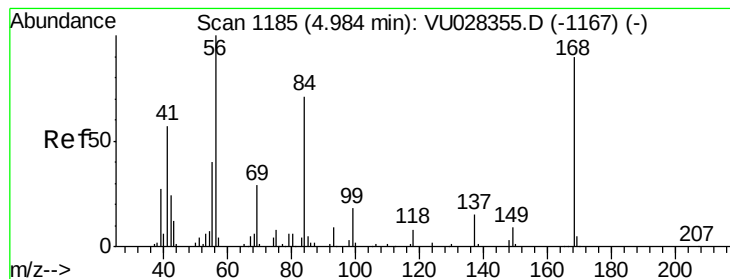
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	309853	57.531	ug/l	99
94) Hexachlorobutadiene	13.69	225	138540	54.475	ug/l	99
95) Naphthalene	13.74	128	1082206	51.995	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	314509	57.738	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 287252

Ion Ratio Lower Upper

168 100

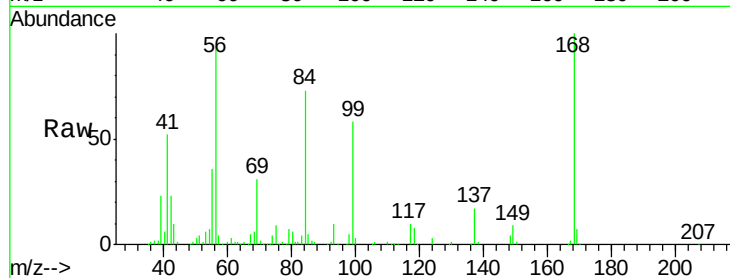
99 57.8 49.6 74.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

150000

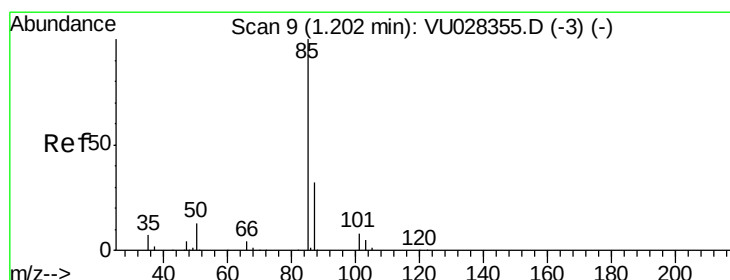
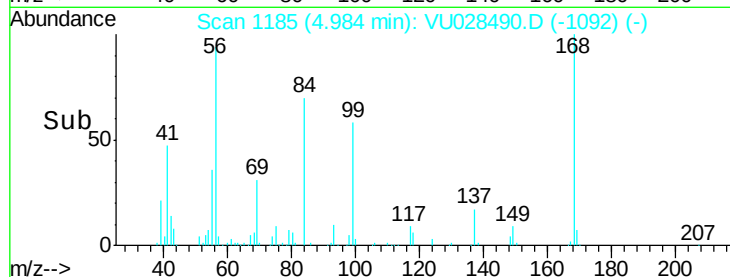
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.744 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028490.D

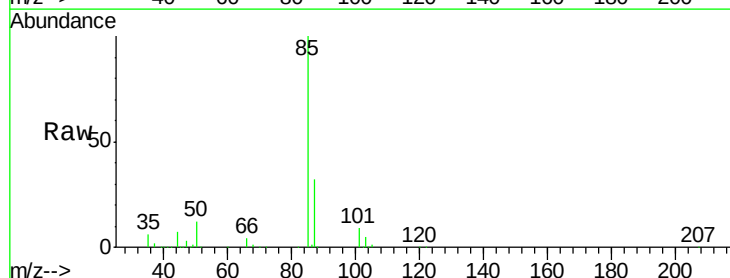
Acq: 05 Dec 2018 19:02

Tgt Ion: 85 Resp: 199389

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

200000

150000

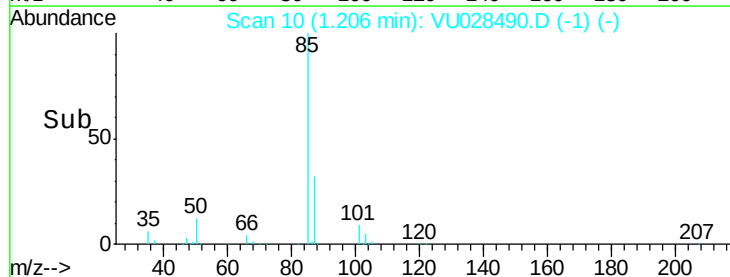
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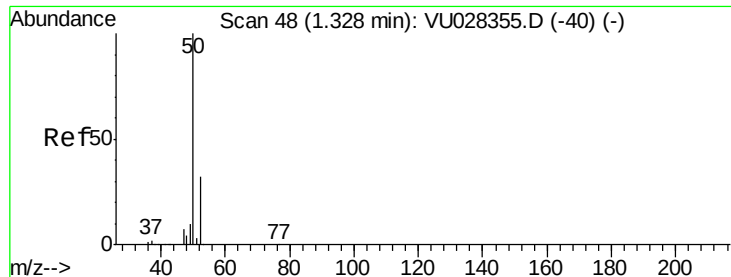
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.593 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 355480

Ion Ratio Lower Upper

50 100

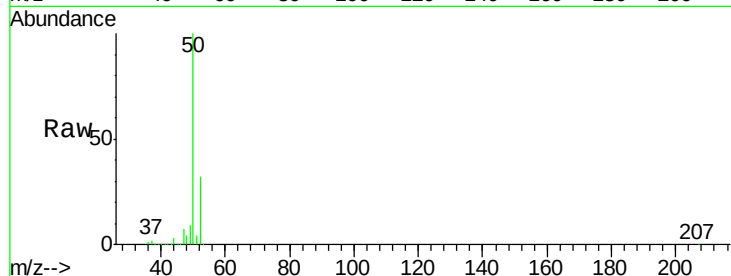
52 32.3 25.4 38.2

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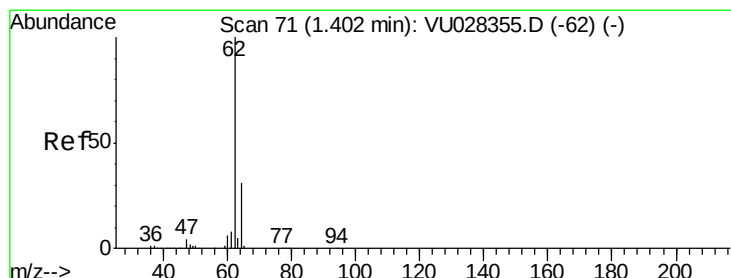
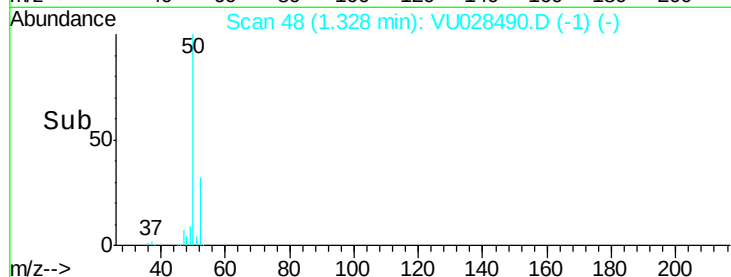
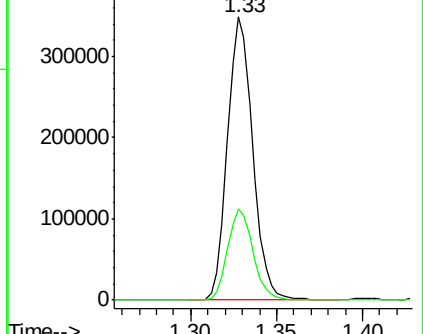
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 52.398 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028490.D

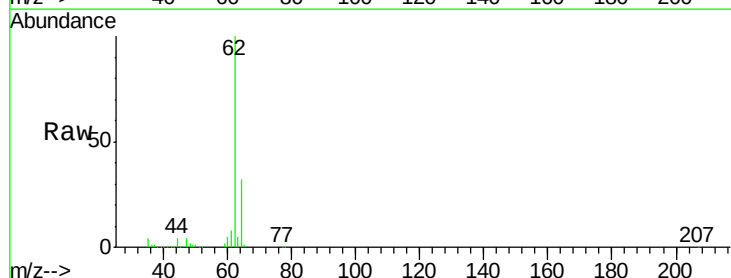
Acq: 05 Dec 2018 19:02

Tgt Ion: 62 Resp: 273827

Ion Ratio Lower Upper

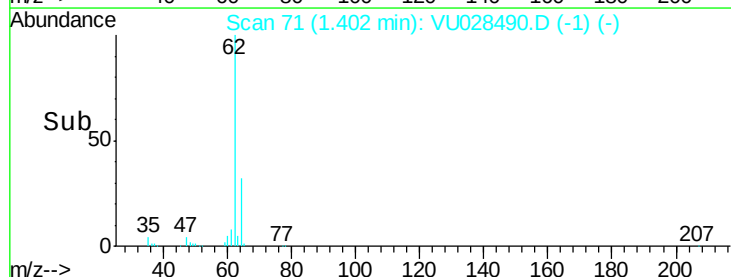
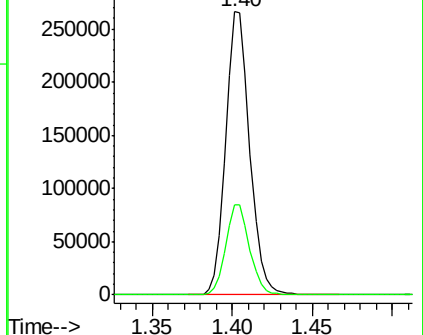
62 100

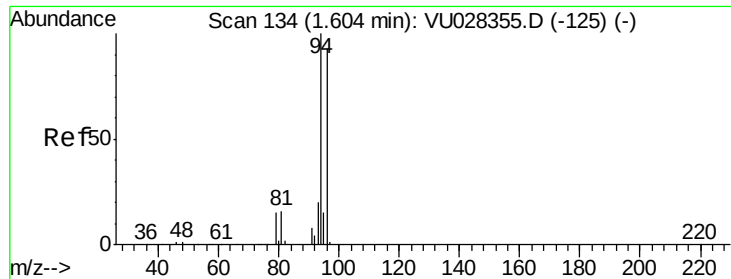
64 31.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 51.458 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 104008

Ion Ratio Lower Upper

94 100

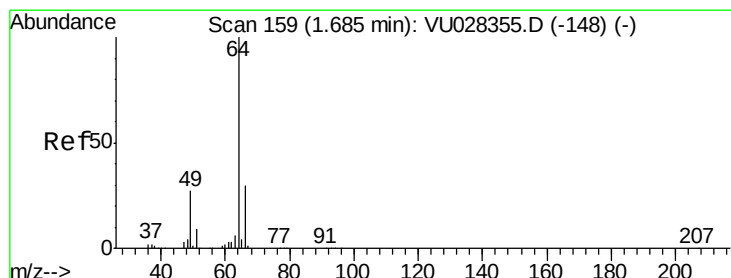
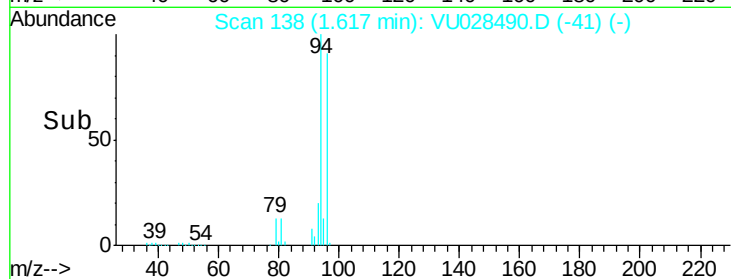
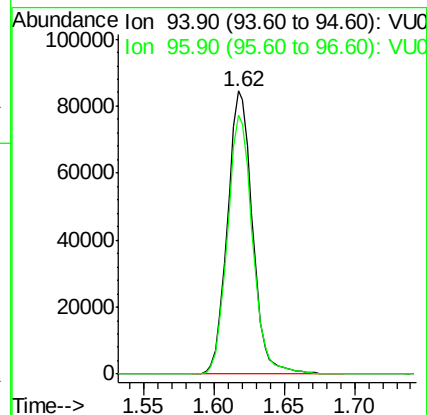
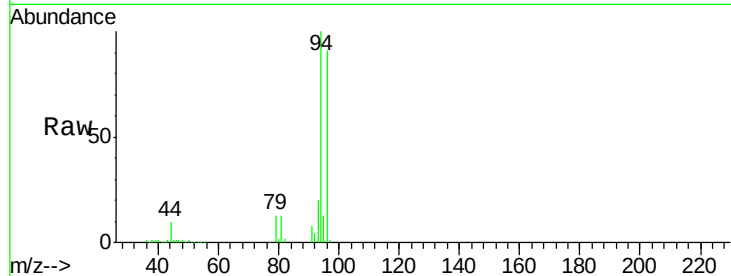
96 91.6 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 53.136 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU028490.D

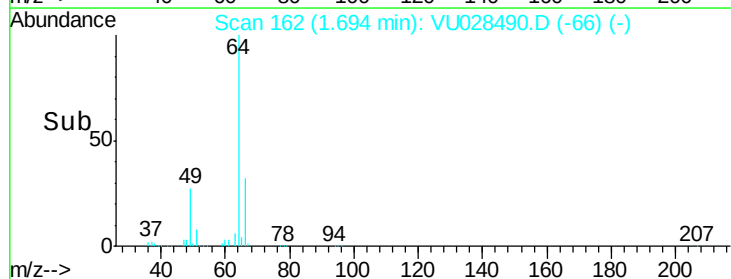
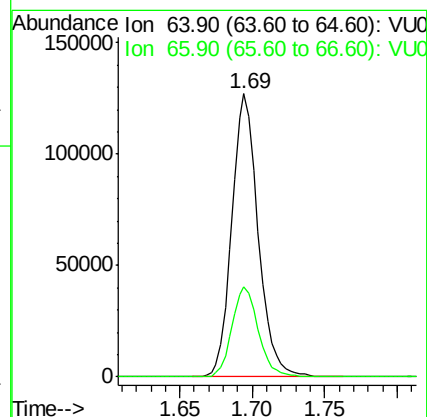
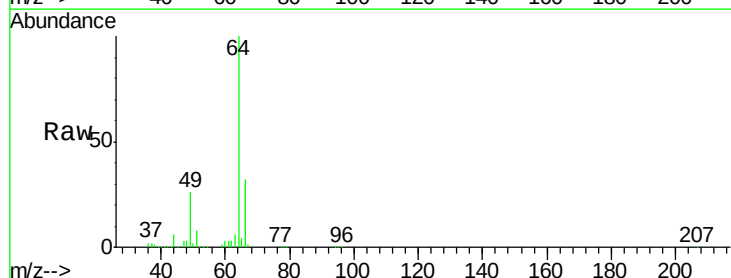
Acq: 05 Dec 2018 19:02

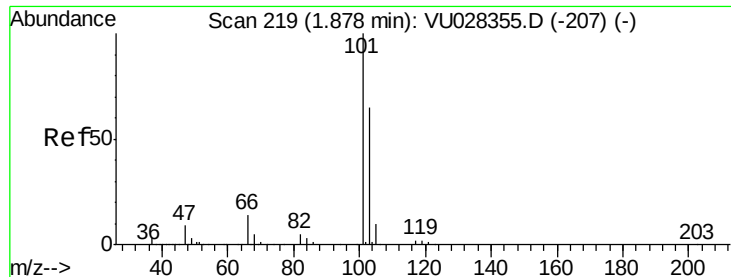
Tgt Ion: 64 Resp: 159784

Ion Ratio Lower Upper

64 100

66 32.0 23.6 35.4





#7

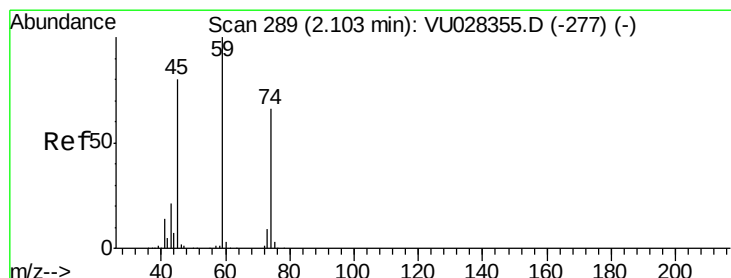
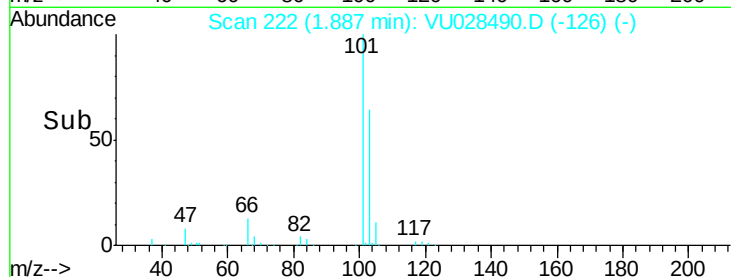
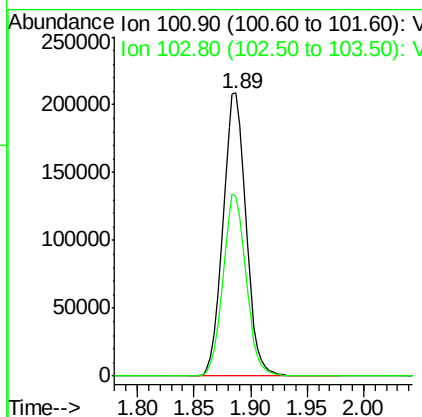
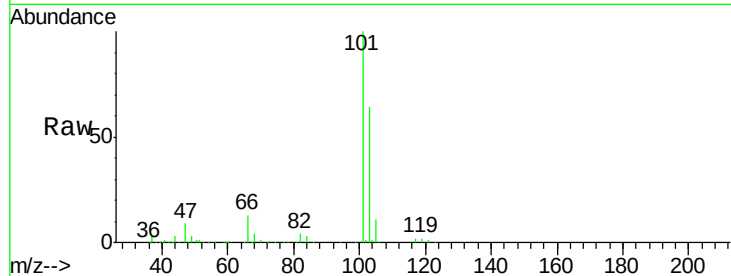
Trichlorofluoromethane
 Concen: 54.546 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028490.D
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	296092		
103	63.6	51.6	77.4	

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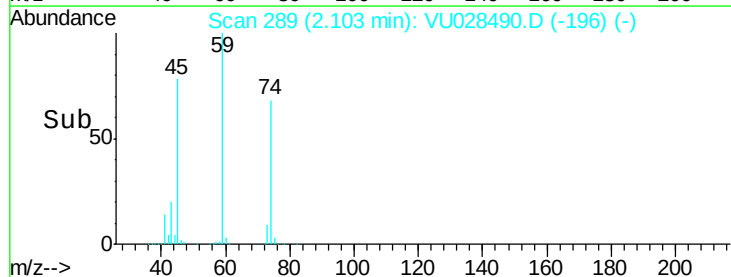
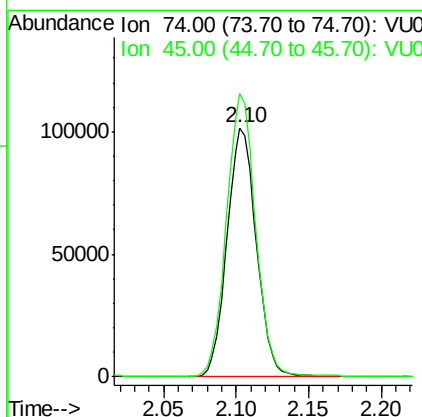
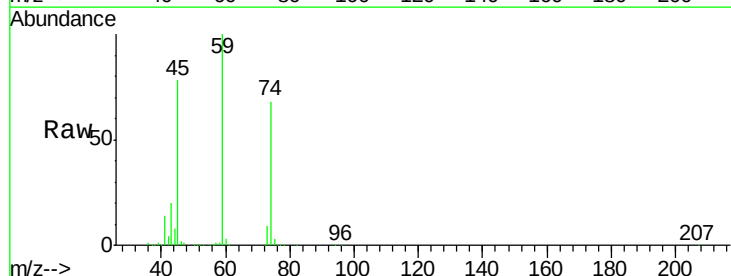
MMDadoda
 12/6/2018 4:53:28 PM

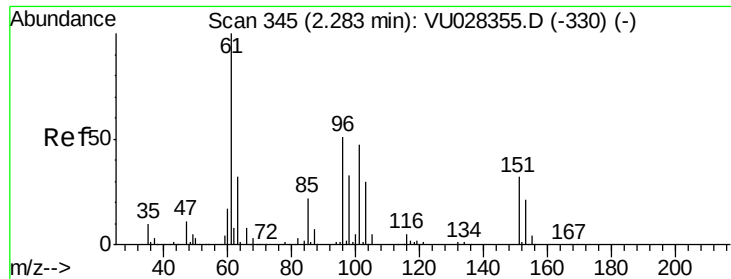


#8

Diethyl Ether
 Concen: 56.226 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	141883		
45	112.5	63.0	189.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.271 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

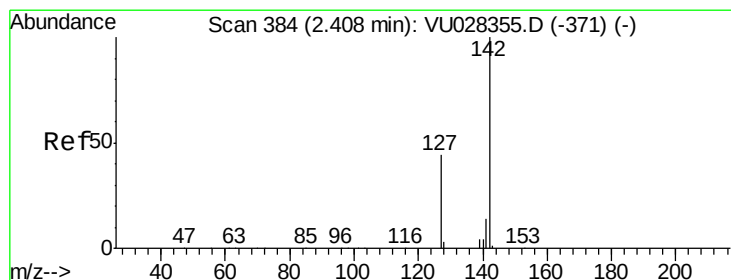
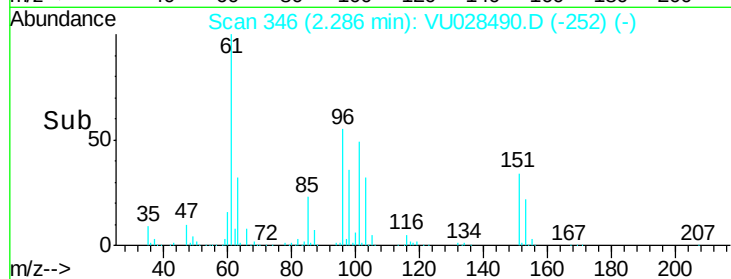
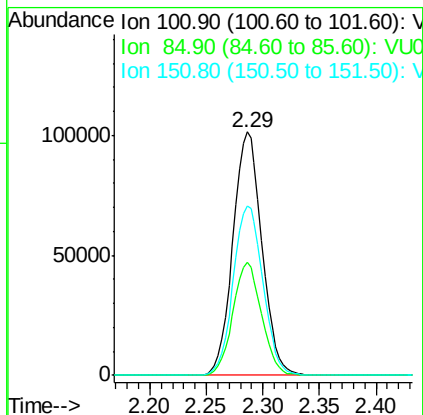
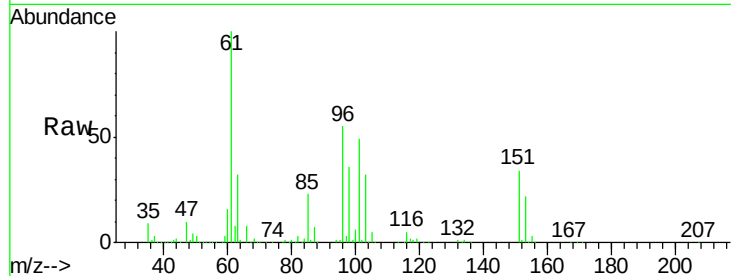
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	181101
Ion Ratio	Lower	Upper	
101	100		
85	45.8	37.2	55.8
151	71.3	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 41.176 ug/l

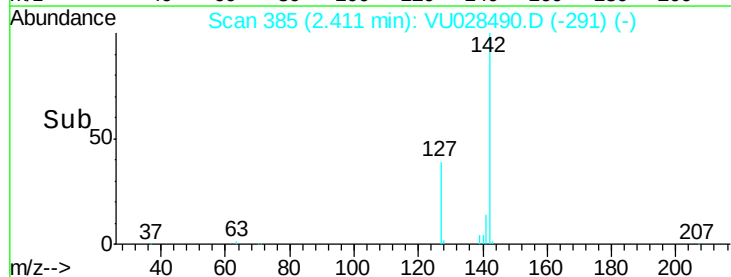
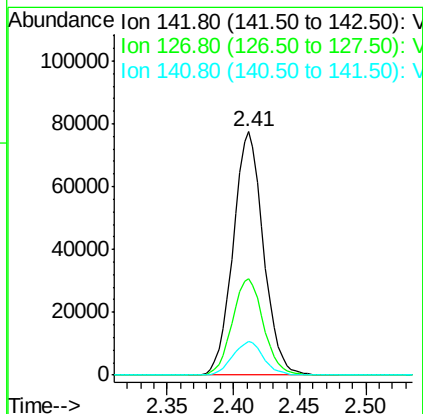
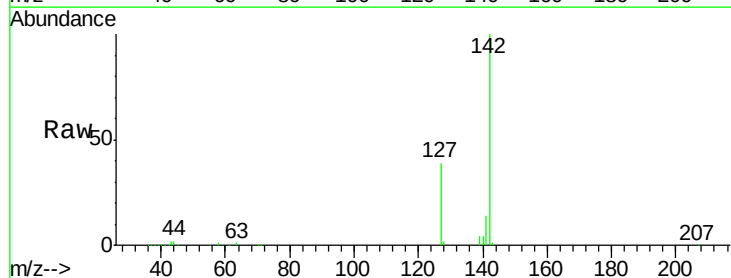
RT: 2.41 min Scan# 385

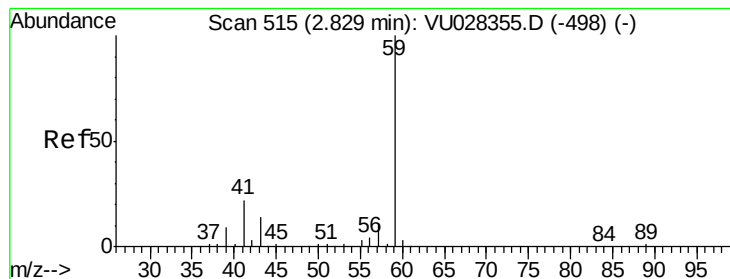
Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Tgt Ion:	142	Resp:	122785
Ion Ratio	Lower	Upper	
142	100		
127	40.8	35.0	52.6
141	14.1	11.2	16.8





#11

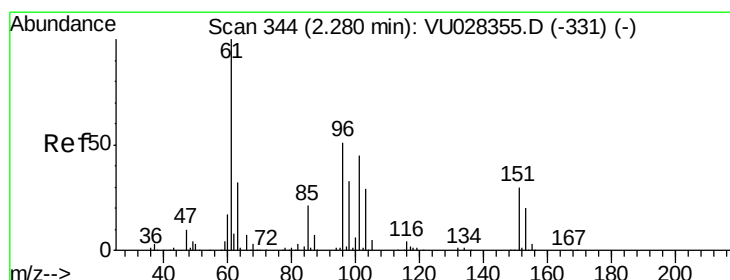
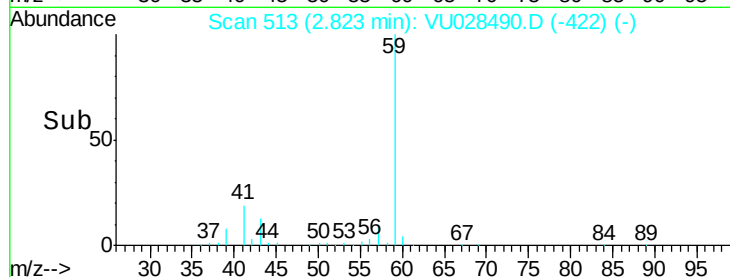
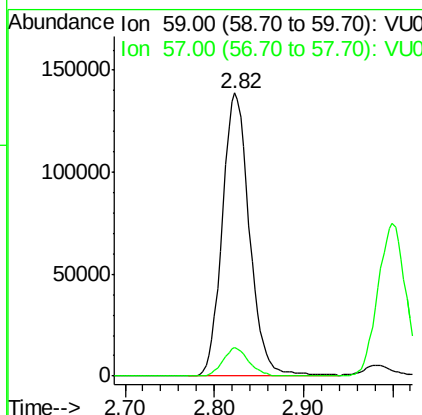
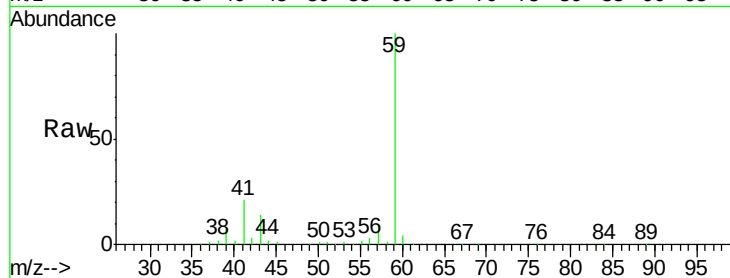
Tert butyl alcohol
Concen: 269.255 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	293658		
57	9.6	8.3	12.5	

Manual Integrations
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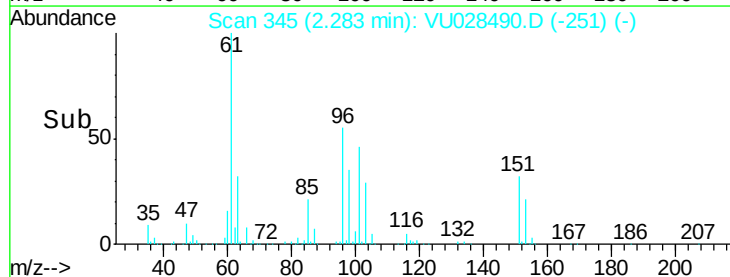
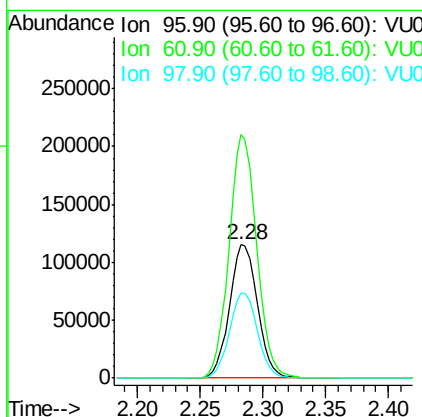
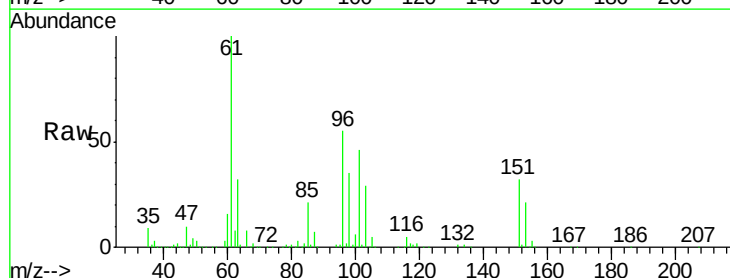
MMDadoda
12/6/2018 4:53:28 PM

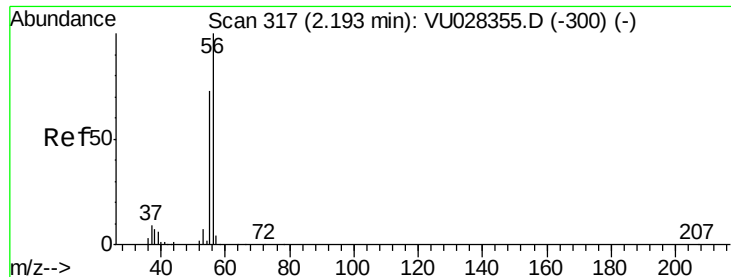


#12

1,1-Dichloroethene
Concen: 57.982 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	177931		
61	183.1	158.1	237.1	
98	63.9	51.4	77.2	





#13

Acrolein

Concen: 222.582 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 215814

Ion Ratio Lower Upper

56 100

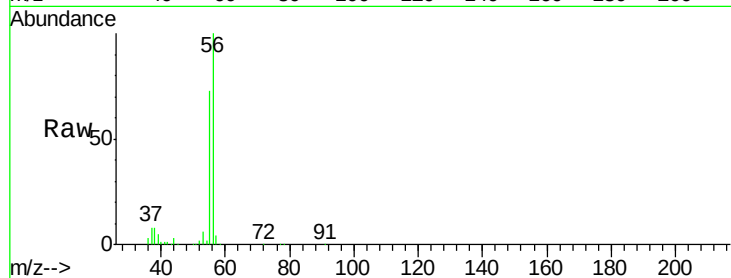
55 72.2 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

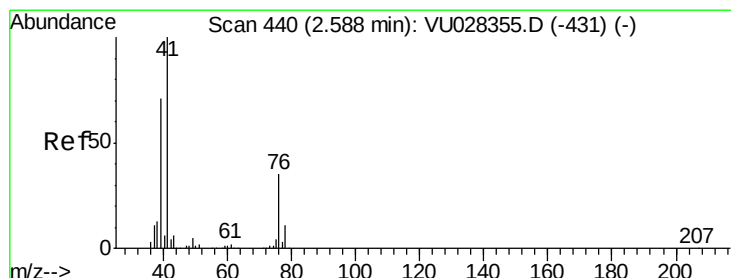
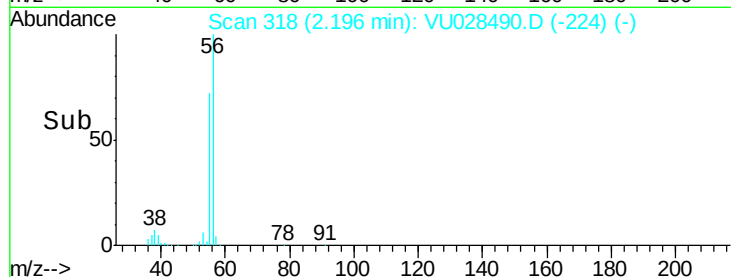
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 46.761 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

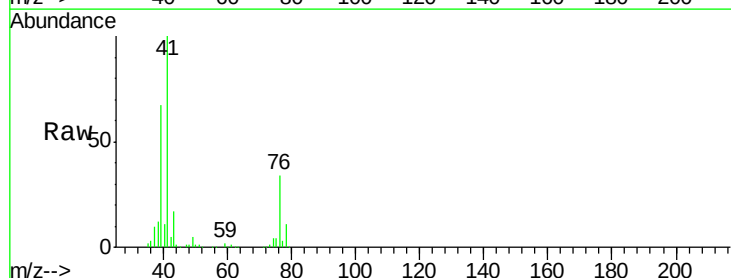
Tgt Ion: 41 Resp: 374917

Ion Ratio Lower Upper

41 100

39 65.4 51.6 77.4

76 32.6 24.4 36.6



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

300000

250000

200000

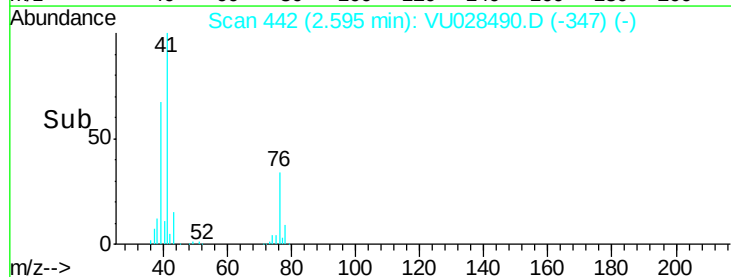
150000

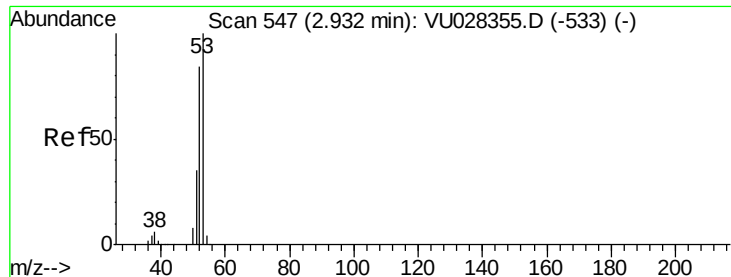
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 270.734 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

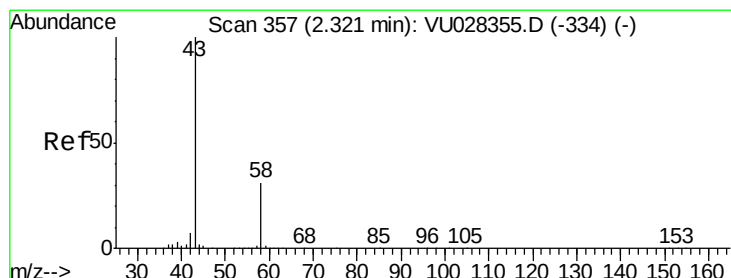
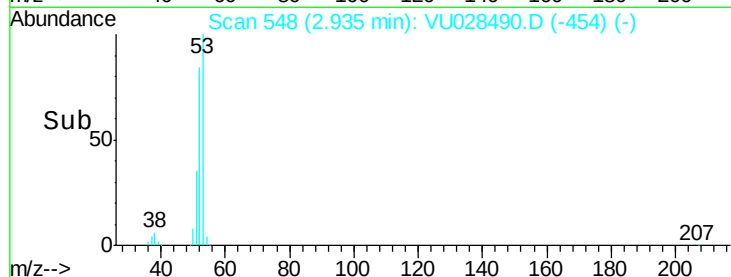
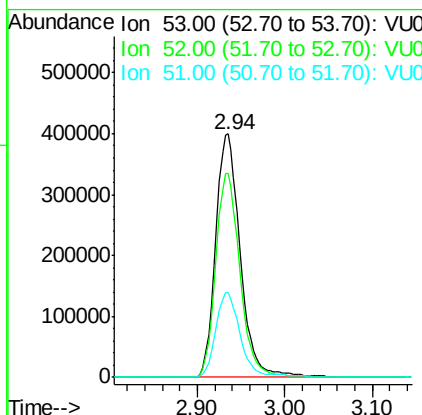
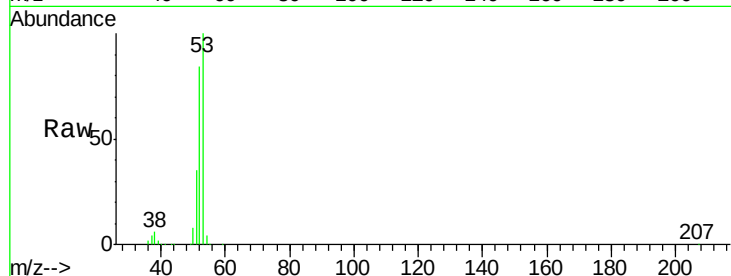
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	781050
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.7	98.5
51	35.1	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 229.852 ug/l

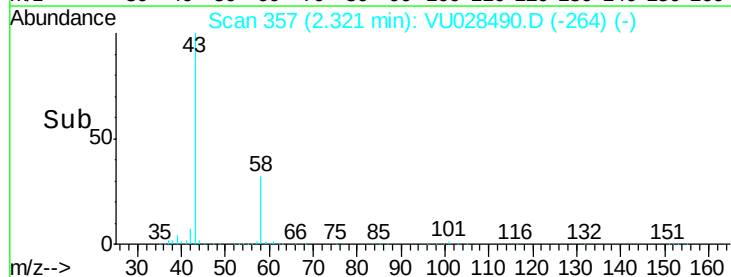
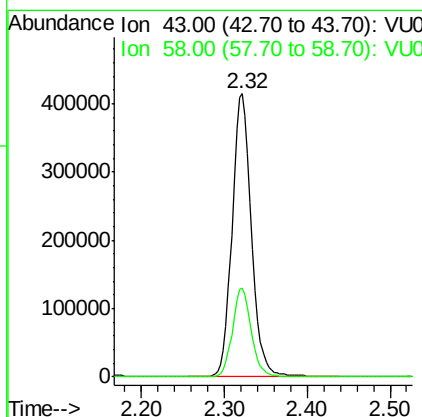
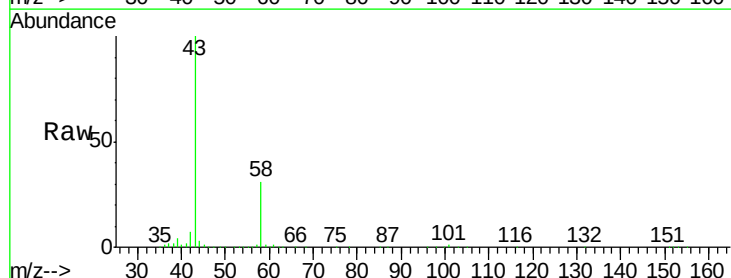
RT: 2.32 min Scan# 357

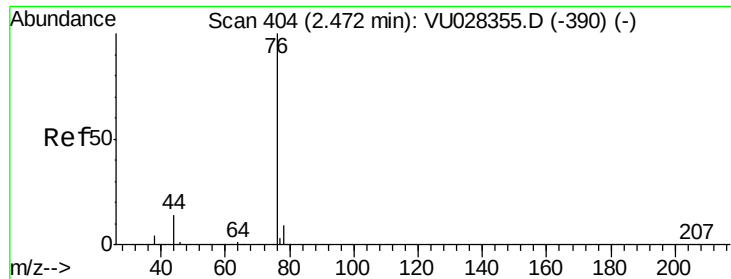
Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Tgt Ion:	43	Resp:	675008
Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.4	36.6





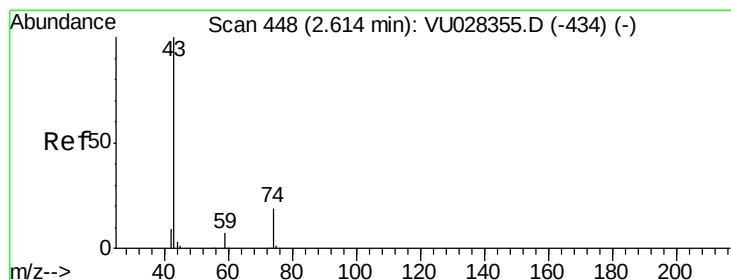
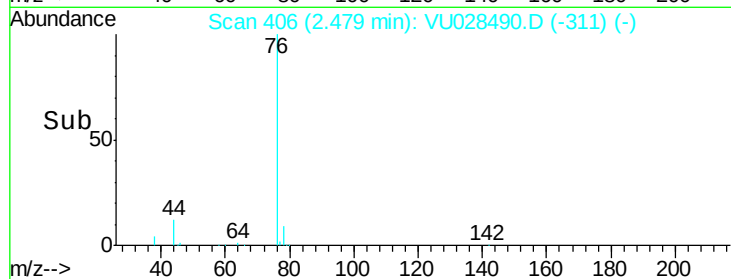
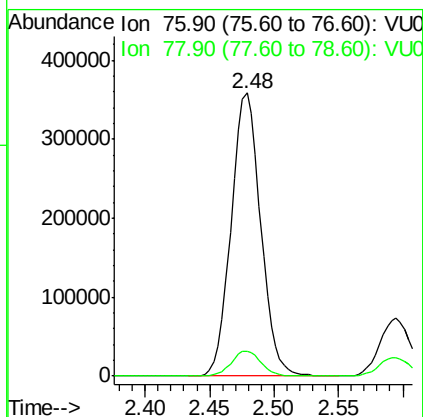
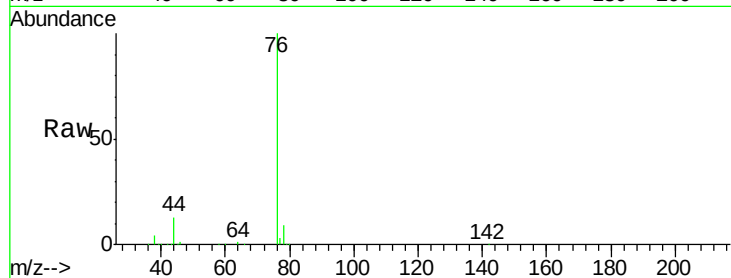
#17
Carbon Disulfide
Concen: 48.484 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

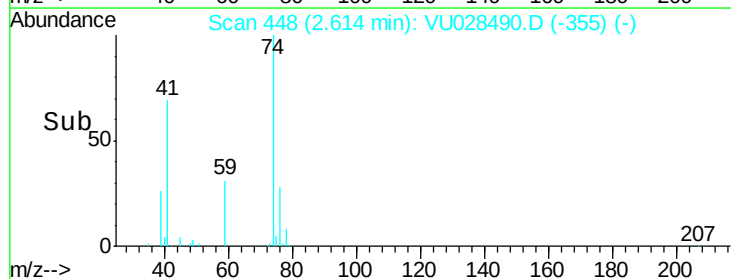
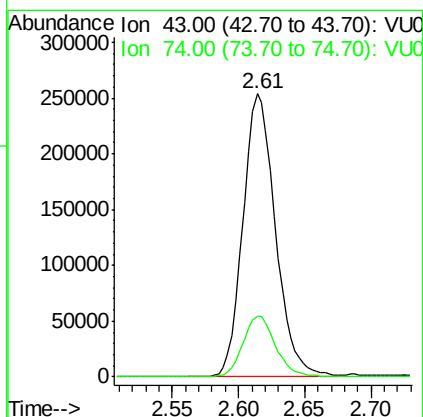
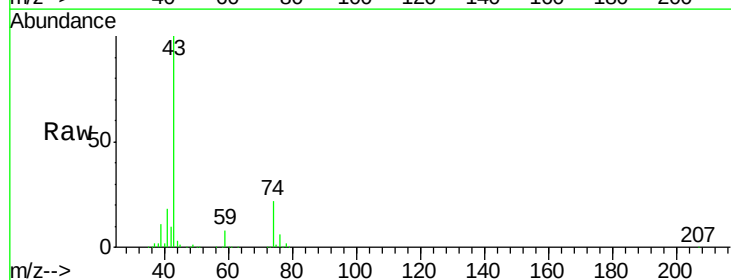
Manual Integrations
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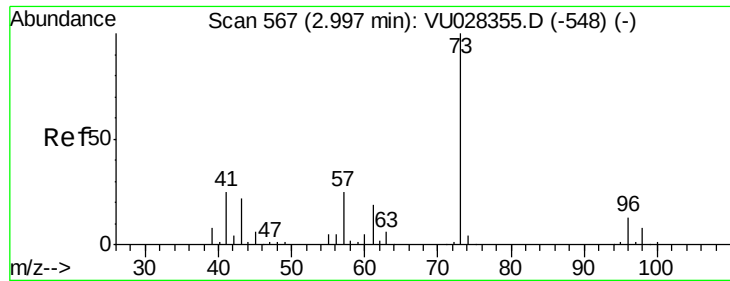
MMDadoda
12/6/2018 4:53:28 PM



#18
Methyl Acetate
Concen: 52.857 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	15.3	22.9





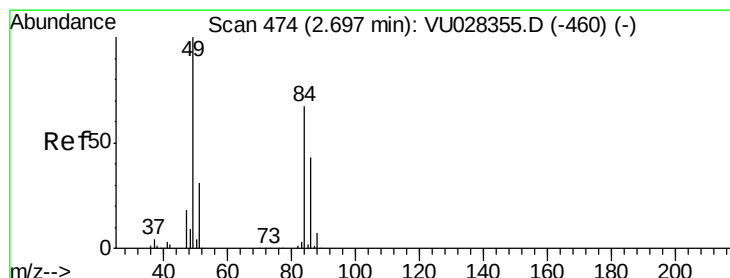
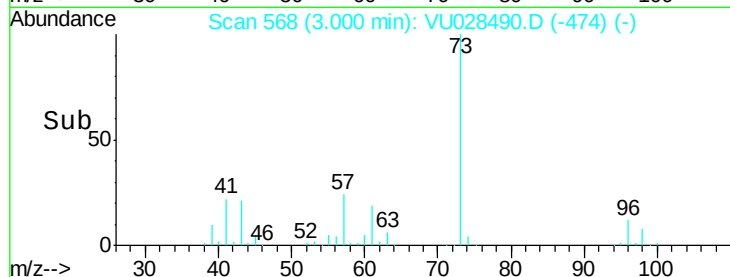
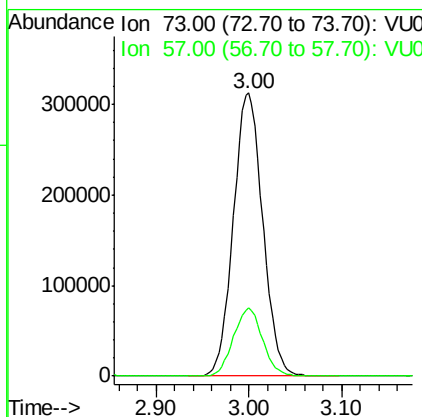
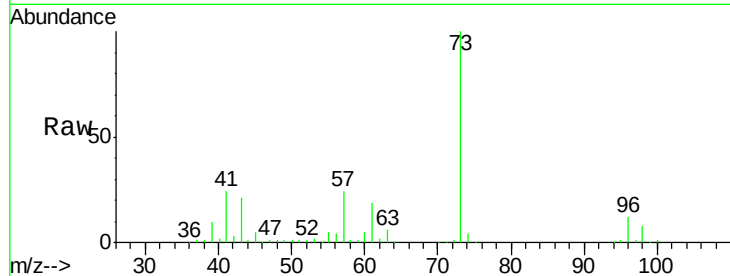
#19
Methyl tert-butyl Ether
Concen: 54.607 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 687013
Ion Ratio Lower Upper
73 100
57 24.1 20.1 30.1

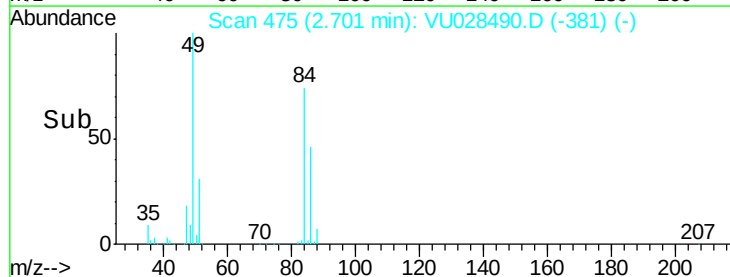
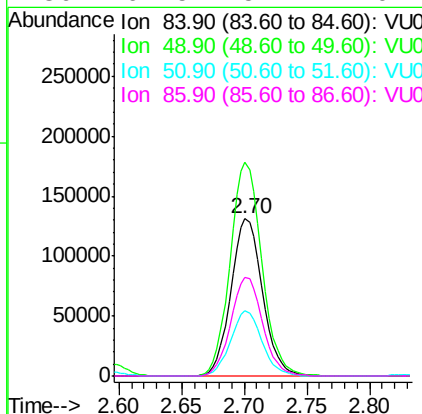
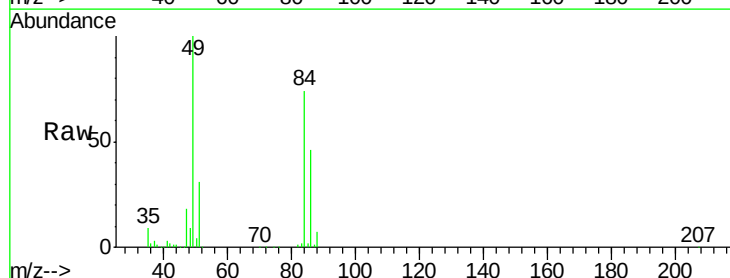
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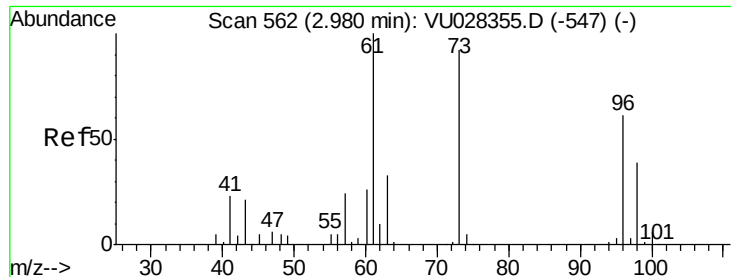
MMDadoda
12/6/2018 4:53:28 PM



#20
Methylene Chloride
Concen: 55.478 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 84 Resp: 229761
Ion Ratio Lower Upper
84 100
49 135.7 120.0 180.0
51 41.4 36.9 55.3
86 62.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 55.051 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 195922

Ion Ratio Lower Upper

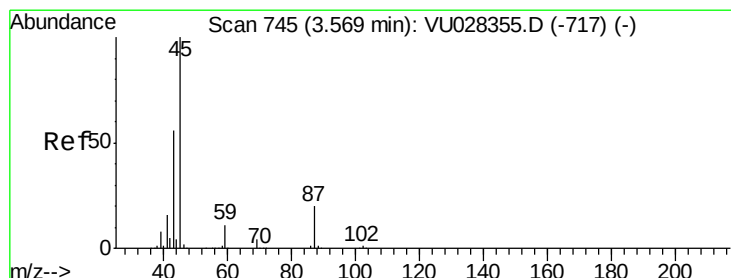
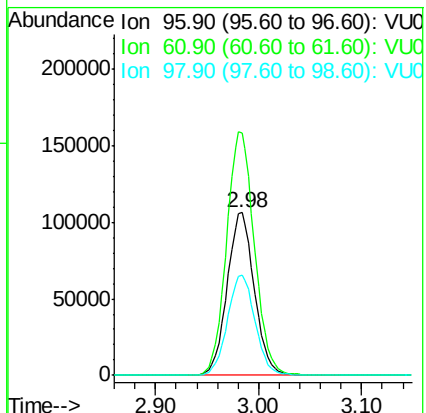
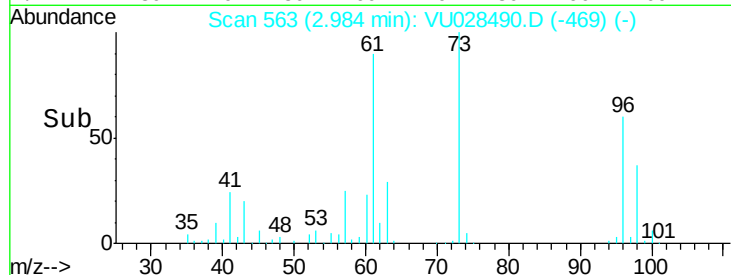
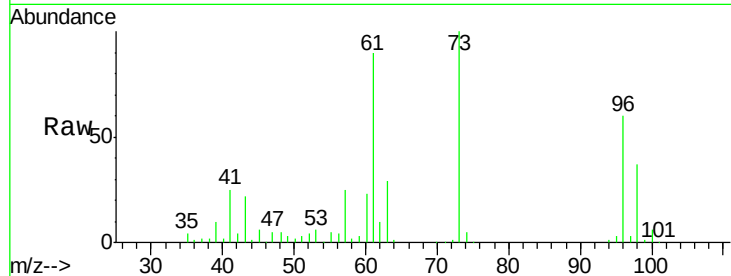
96 100

61 149.3 131.1 196.7

98 61.6 51.7 77.5

Manual Integrations
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12/6/2018 4:53:28 PM



#22

Diisopropyl ether

Concen: 51.426 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Tgt Ion: 45 Resp: 811763

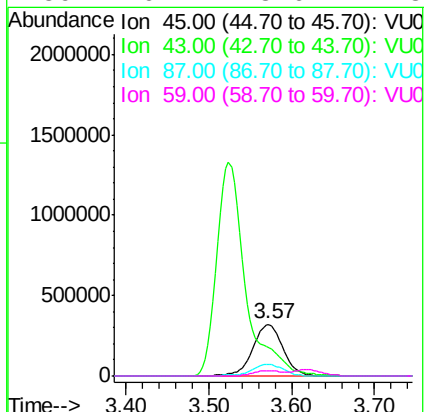
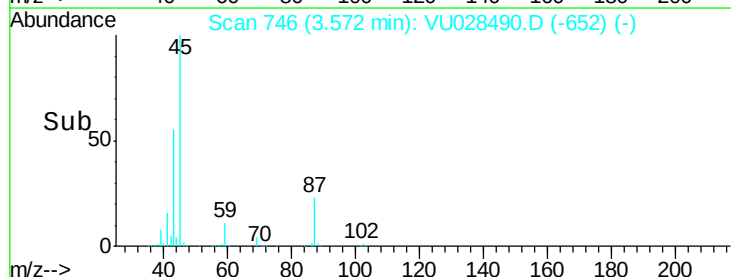
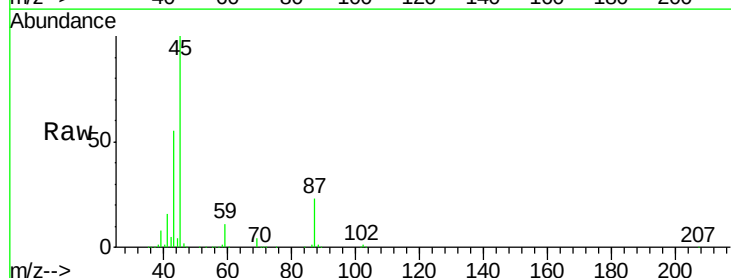
Ion Ratio Lower Upper

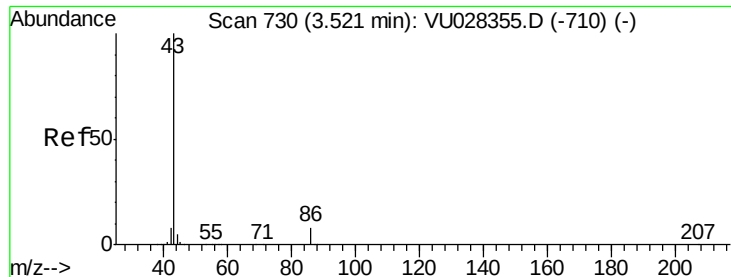
45 100

43 55.1 44.8 67.2

87 22.7 16.3 24.5

59 10.7 8.6 12.8





#23

Vinyl Acetate

Concen: 244.803 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3211995

Ion Ratio Lower Upper

43 100

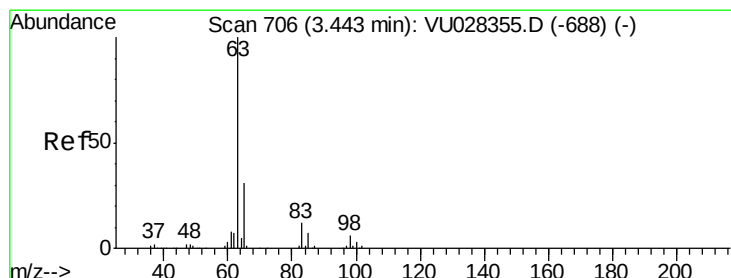
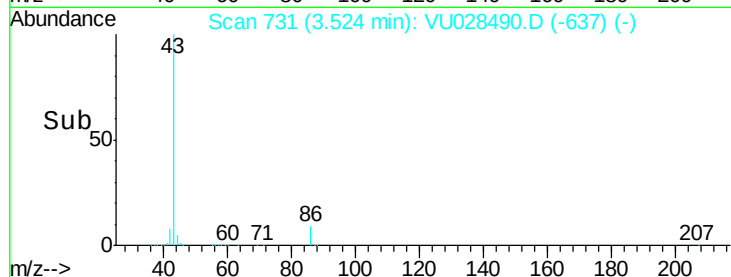
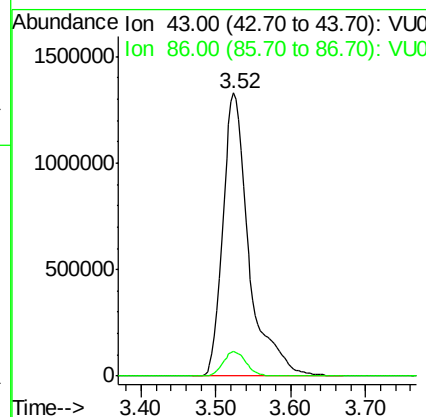
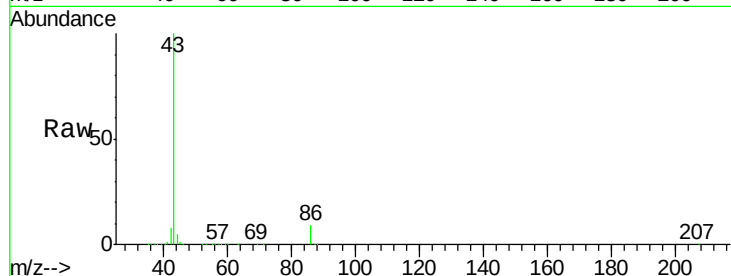
86 8.6 6.5 9.7

Manual Integrations

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MMDadoda

12/6/2018 4:53:28 PM



#24

1,1-Dichloroethane

Concen: 53.297 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

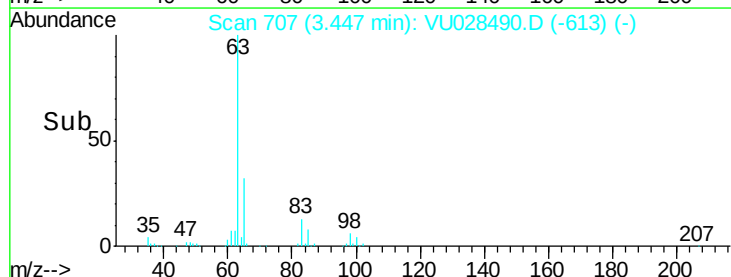
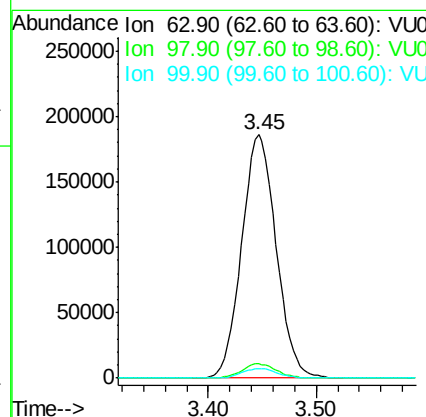
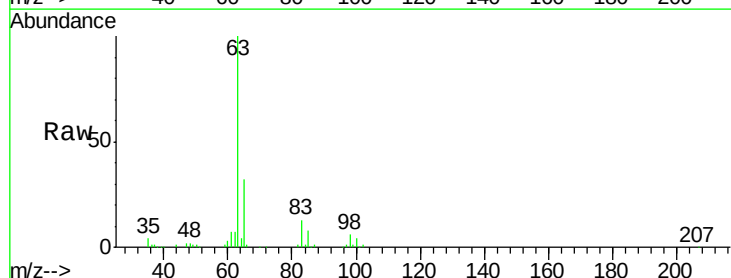
Tgt Ion: 63 Resp: 414787

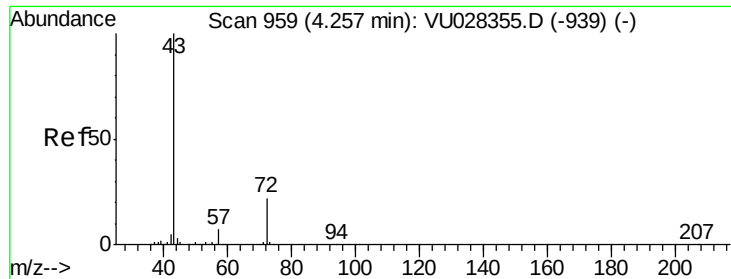
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.8 1.7 5.1





#25

2-Butanone

Concen: 258.293 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1087097

Ion Ratio Lower Upper

43 100

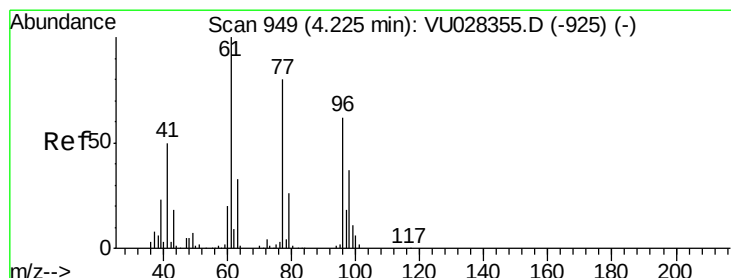
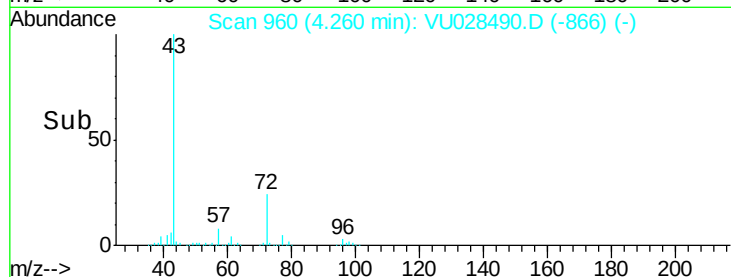
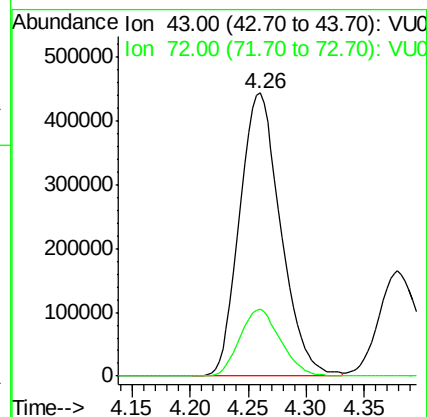
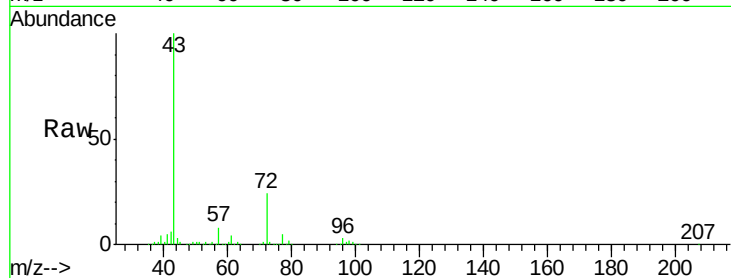
72 23.5 17.7 26.5

Manual Integrations

APPROVED

MMDadoda

12/6/2018 4:53:28 PM



#26

2,2-Dichloropropane

Concen: 52.163 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028490.D

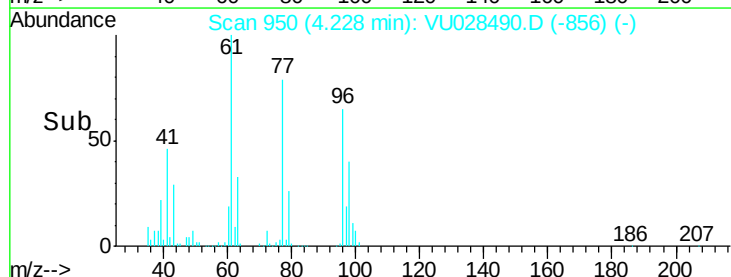
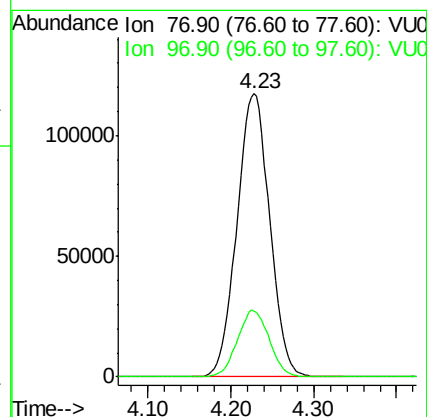
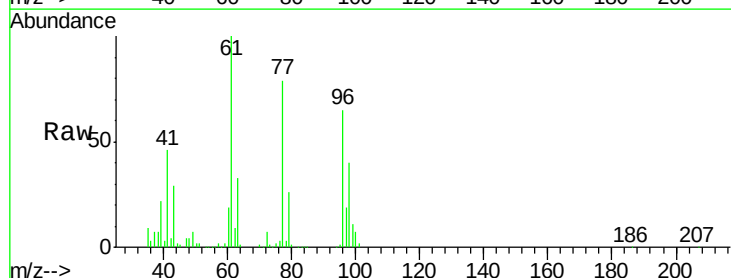
Acq: 05 Dec 2018 19:02

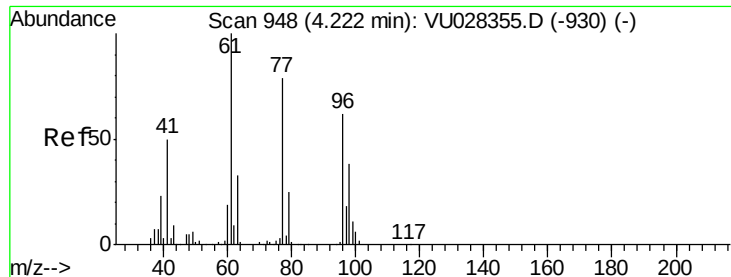
Tgt Ion: 77 Resp: 322408

Ion Ratio Lower Upper

77 100

97 23.0 10.7 32.1





#27

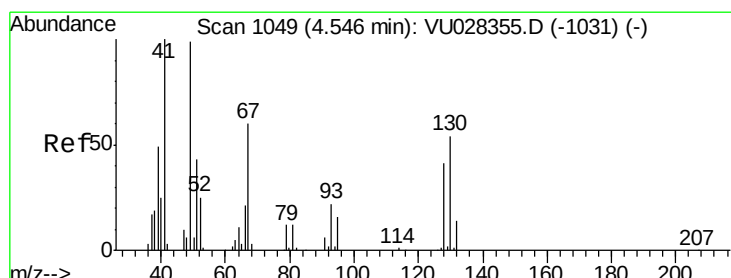
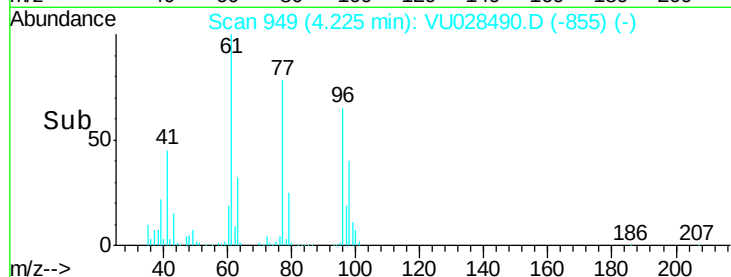
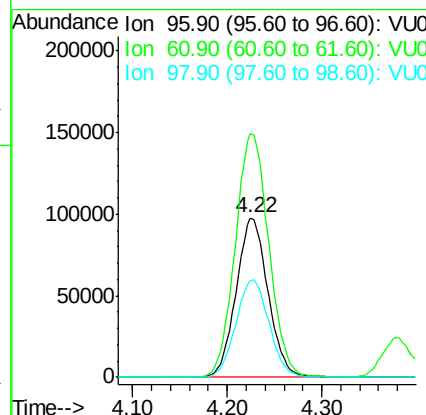
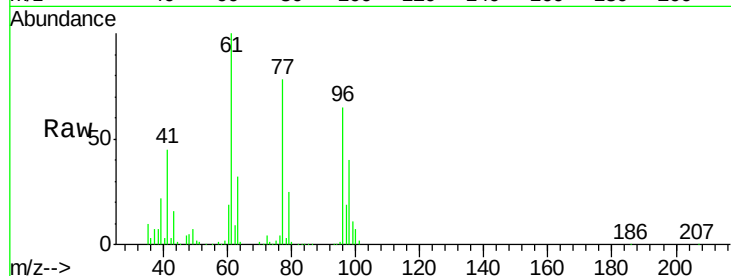
cis-1,2-Dichloroethene
Concen: 54.337 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	228702		
61	160.8	0.0	342.0	
98	64.2	0.0	126.4	

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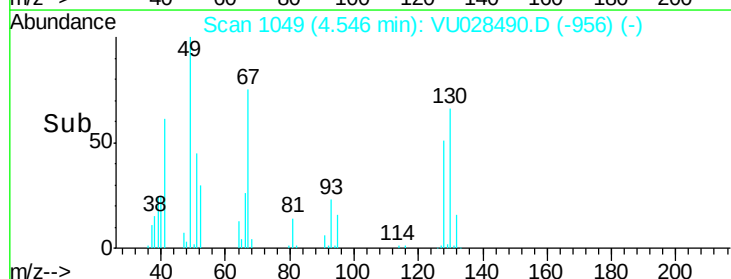
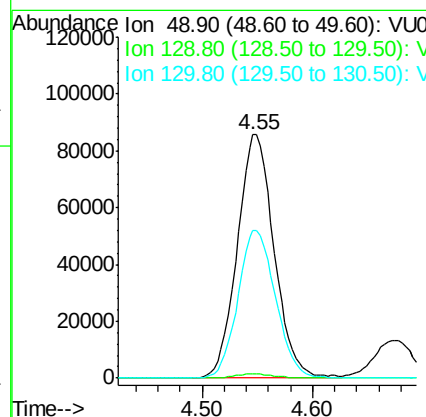
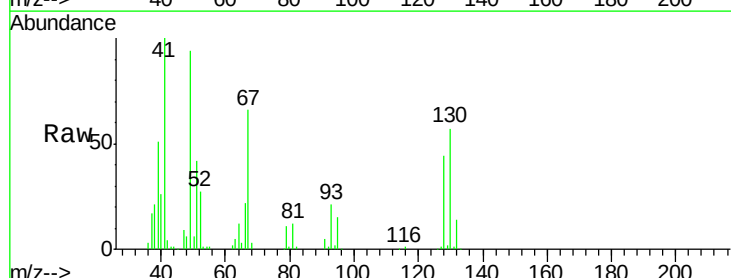
MMDadoda
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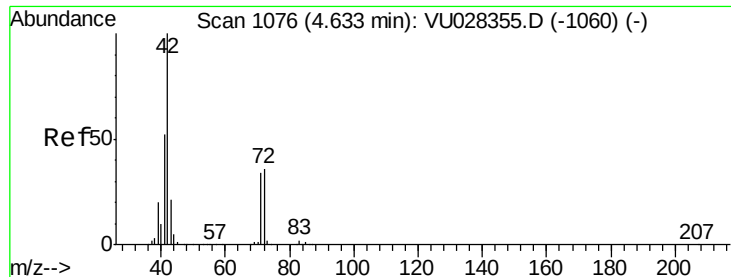


#28

Bromochloromethane
Concen: 50.814 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	197738		
129	1.7	0.0	2.6	
130	62.3	44.5	66.7	





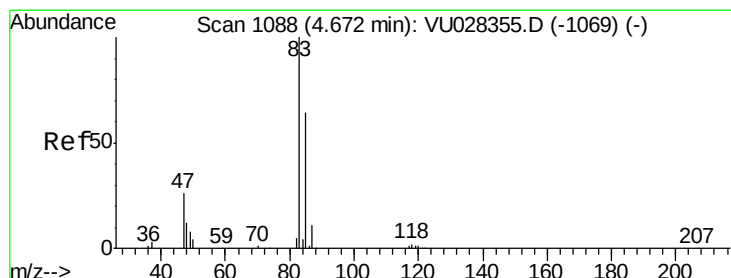
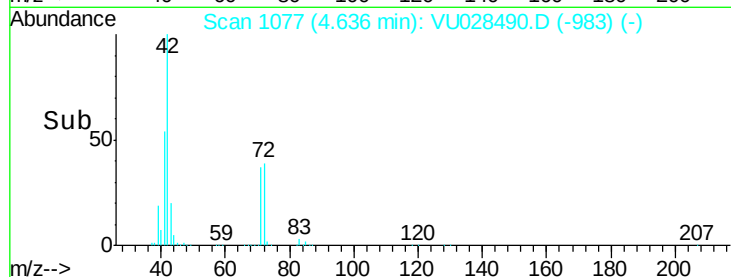
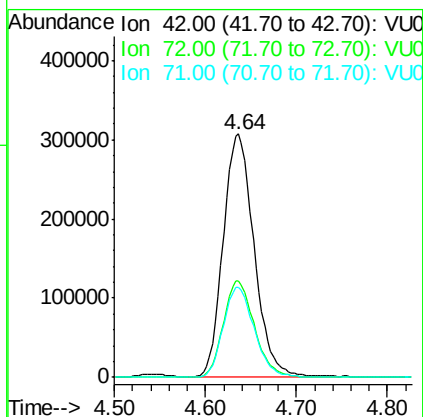
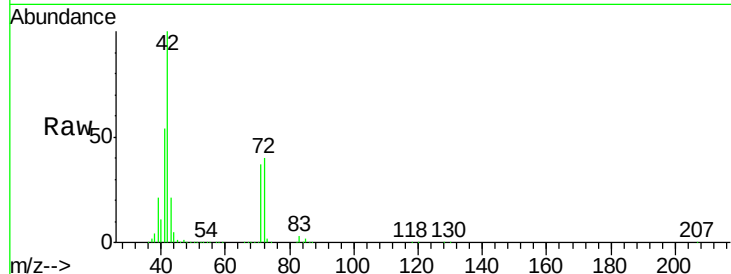
#29
Tetrahydrofuran
Concen: 265.240 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.7	29.5	44.3
71	37.4	27.7	41.5

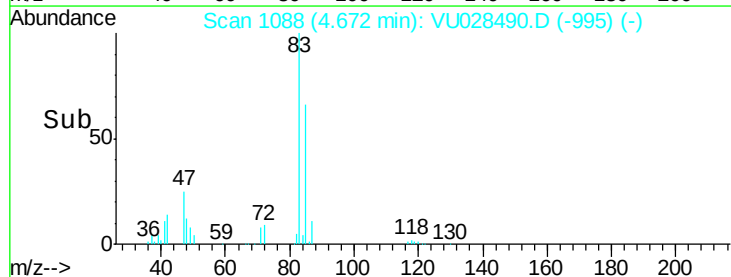
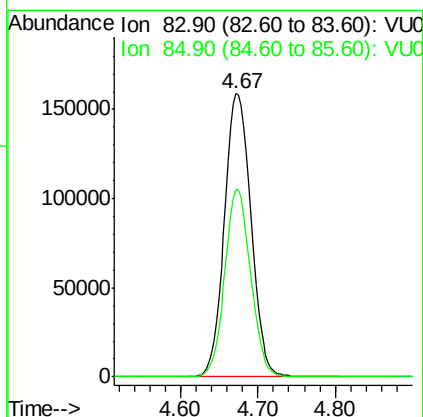
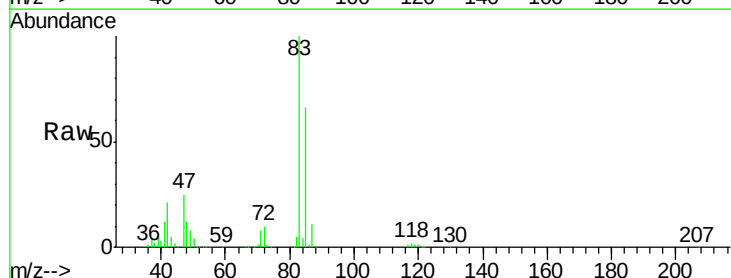
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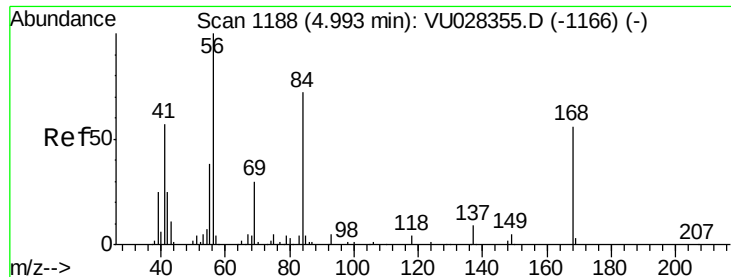
MMDadoda
12/6/2018 4:53:28 PM



#30
Chloroform
Concen: 52.708 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.2	76.8





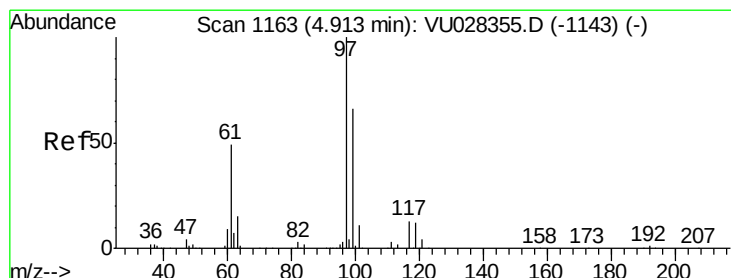
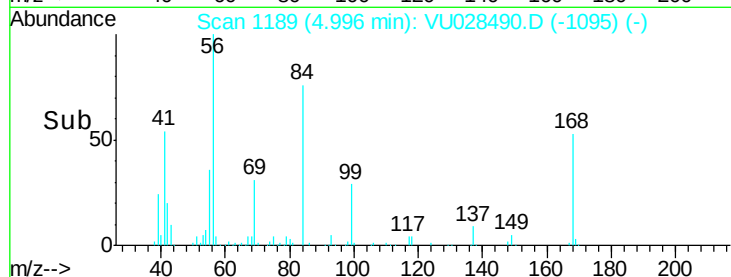
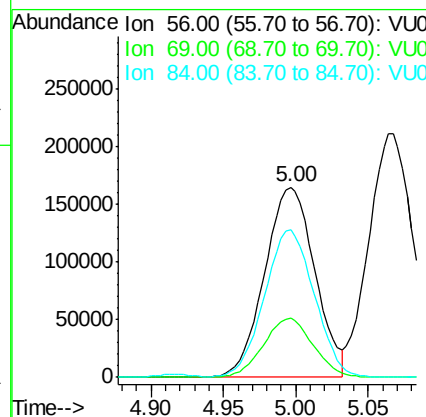
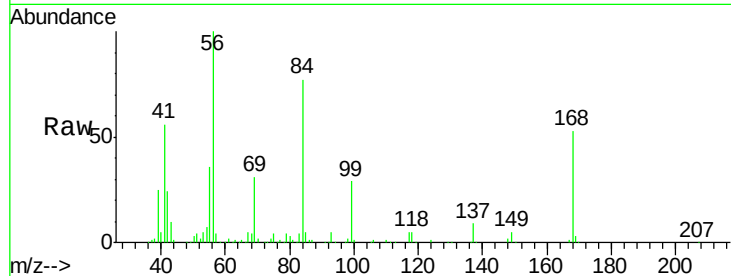
#31
Cyclohexane
Concen: 49.768 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.7	35.5
84	76.5	57.3	85.9

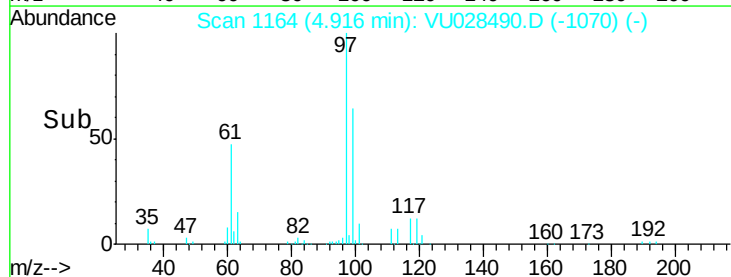
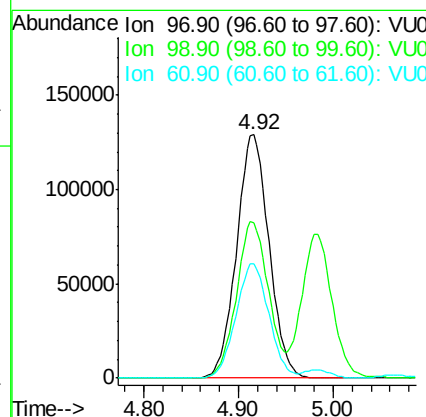
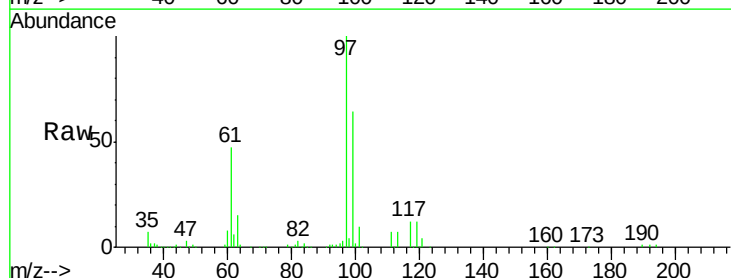
Manual Integrations
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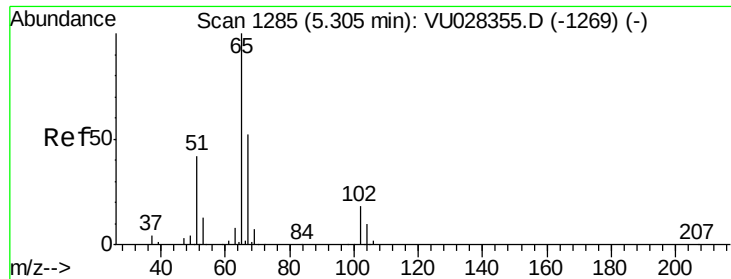
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12/6/2018 4:53:28 PM



#32
1,1,1-Trichloroethane
Concen: 53.301 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	47.7	39.1	58.7





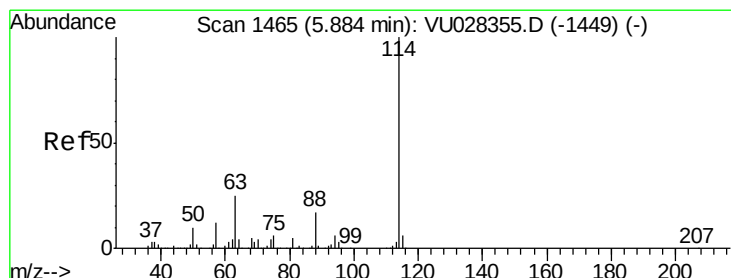
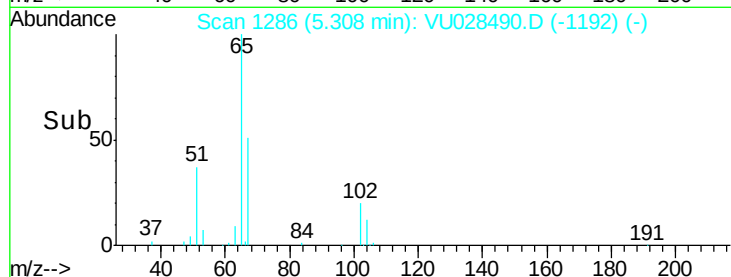
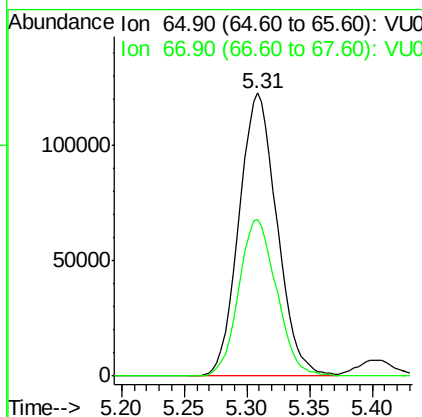
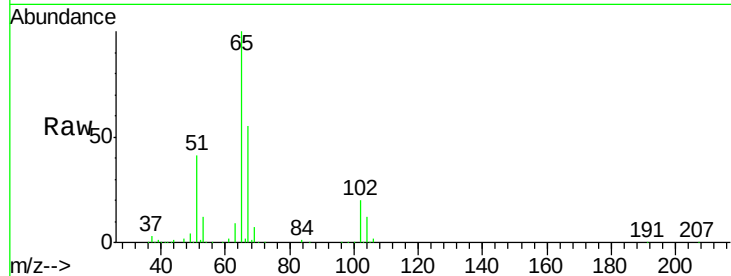
#33
 1,2-Dichloroethane-d4
 Concen: 53.871 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	258620		
67	55.0	0.0	106.8	

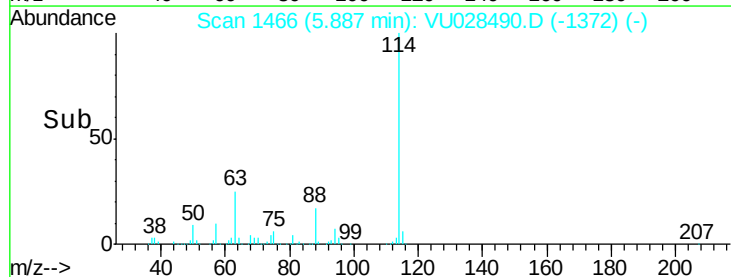
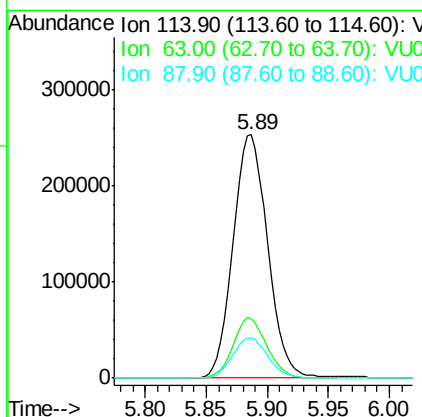
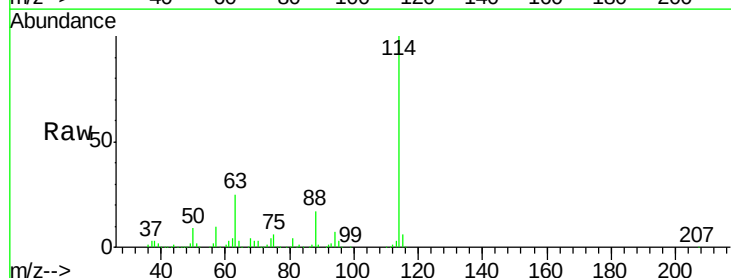
Manual Integrations
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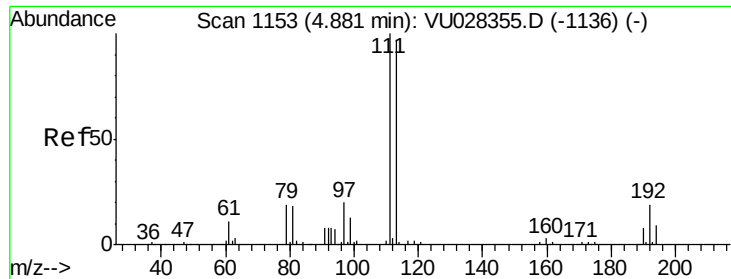
MMDadoda
 12/6/2018 4:53:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	499963		
63	24.6	0.0	50.0	
88	16.7	0.0	34.4	





#35

Dibromofluoromethane

Concen: 57.723 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

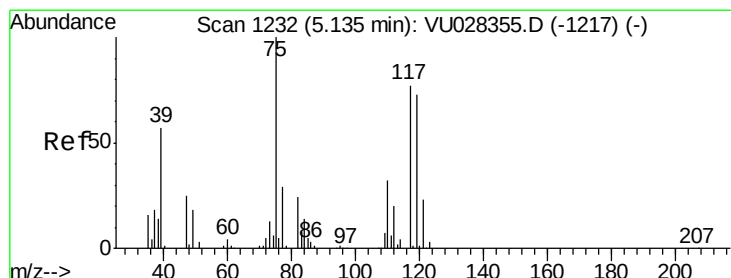
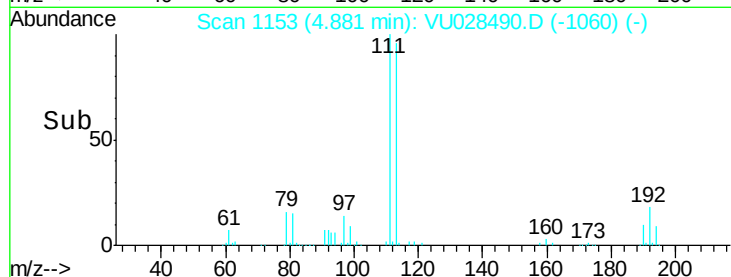
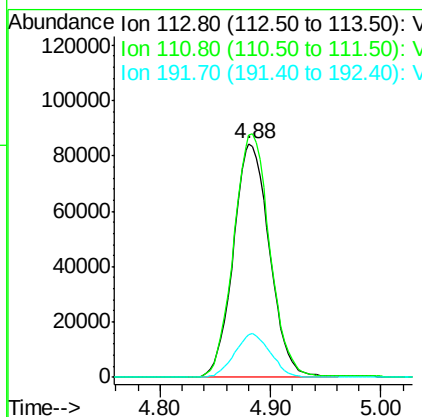
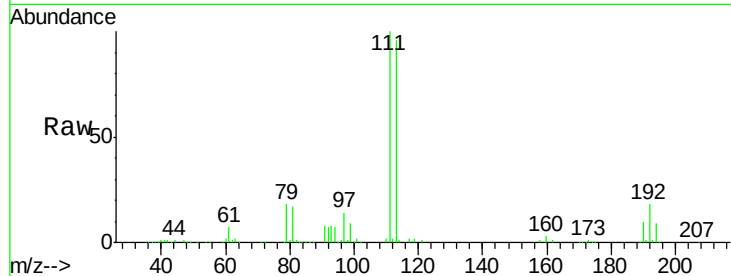
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	191904
Ion Ratio	Lower	Upper	
113	100		
111	104.1	82.9	124.3
192	18.6	15.4	23.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.876 ug/l

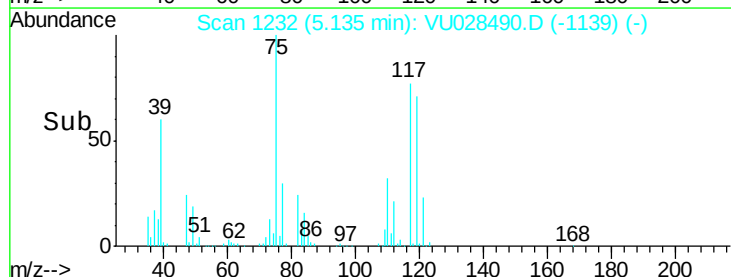
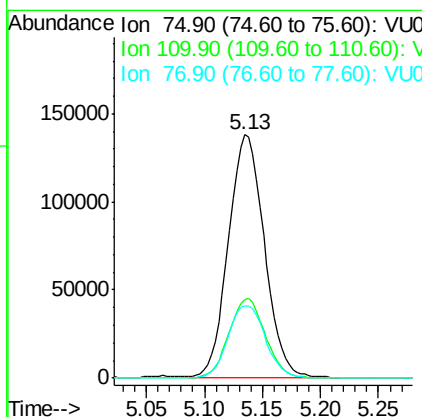
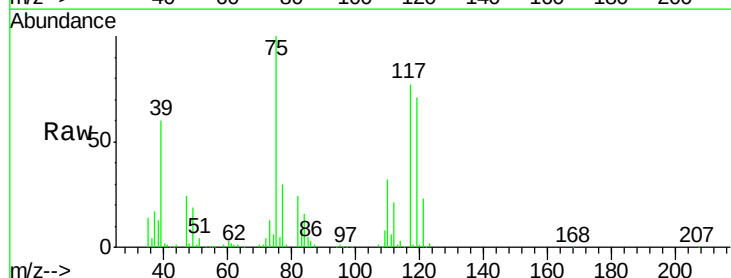
RT: 5.13 min Scan# 1232

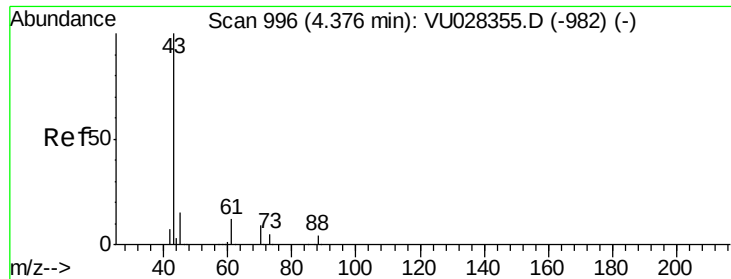
Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Tgt Ion:	75	Resp:	294759
Ion Ratio	Lower	Upper	
75	100		
110	33.3	15.8	47.4
77	31.3	24.6	36.8





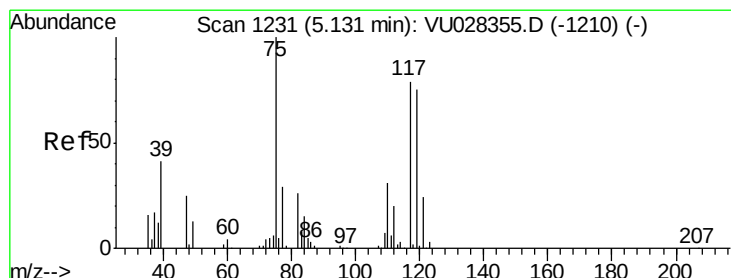
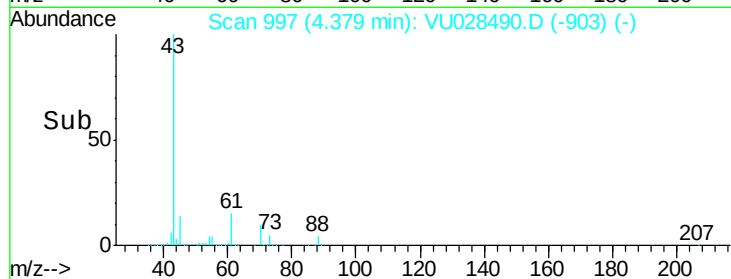
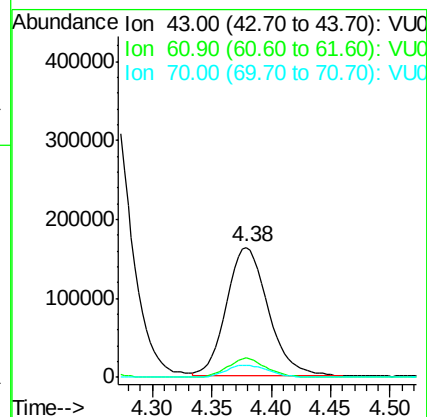
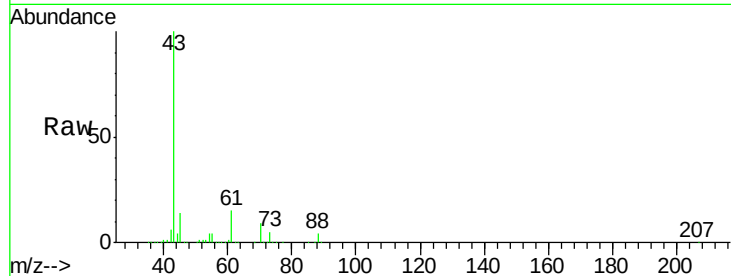
#37
Ethyl Acetate
Concen: 53.162 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.2	15.4
70	9.5	6.9	10.3

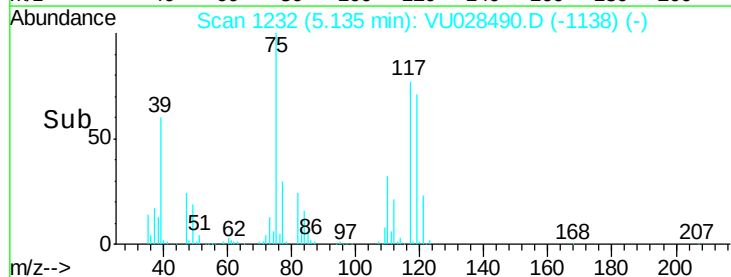
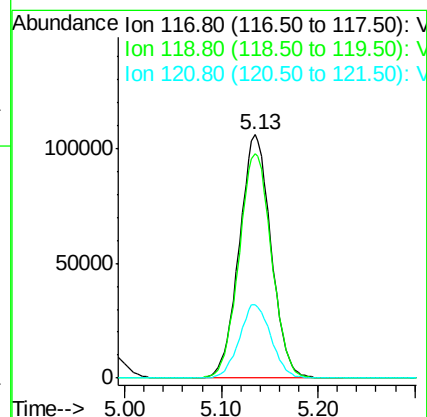
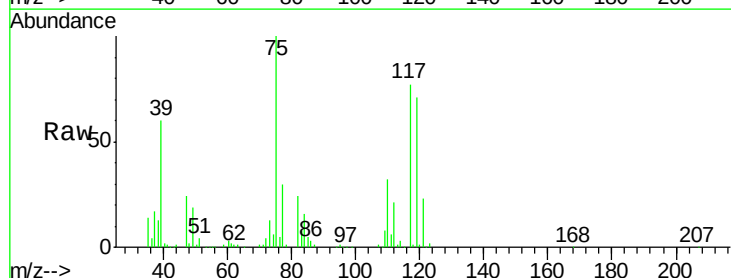
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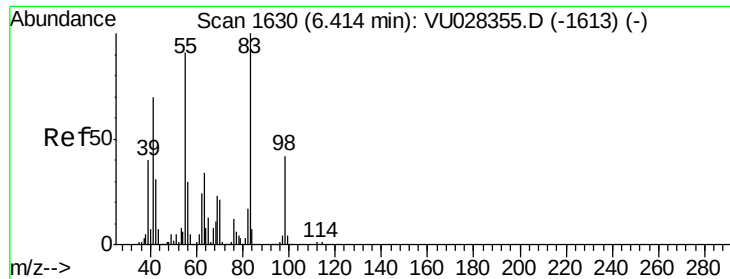
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12/6/2018 4:53:28 PM



#38
Carbon Tetrachloride
Concen: 53.718 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.3	114.5
121	30.3	24.7	37.1





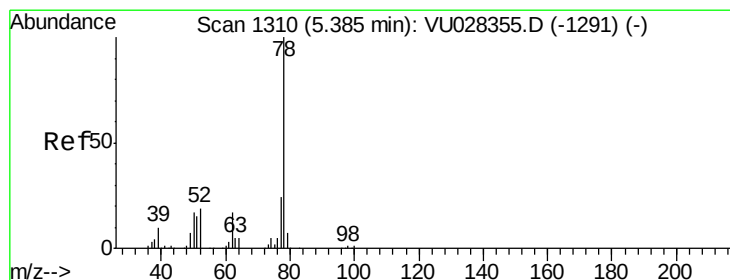
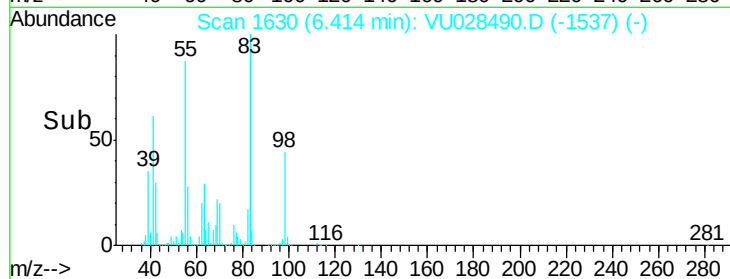
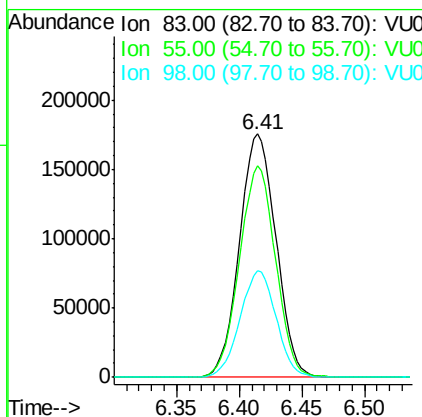
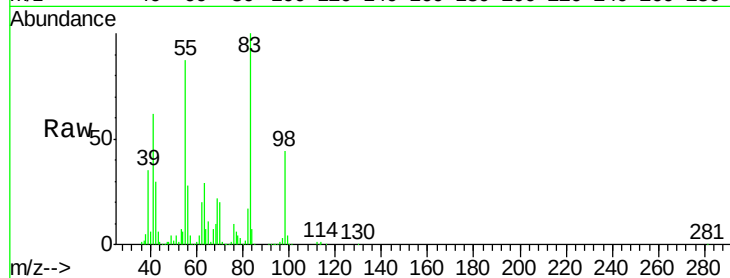
#39
Methylcyclohexane
Concen: 55.332 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.7	73.1	109.7
98	43.8	33.9	50.9

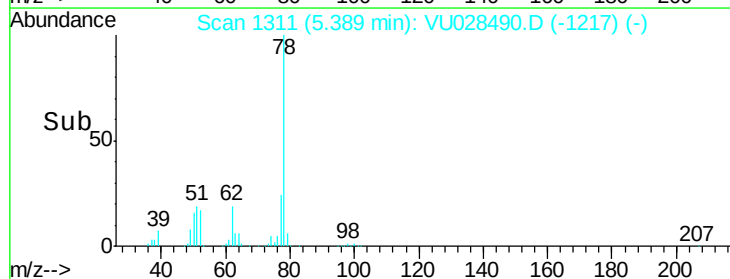
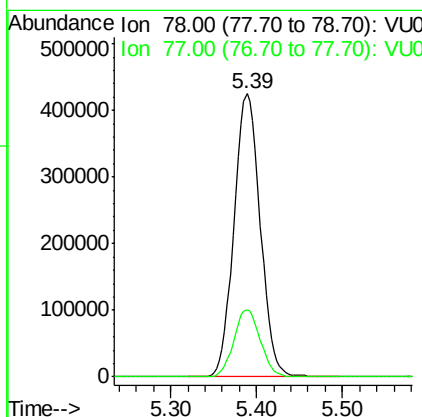
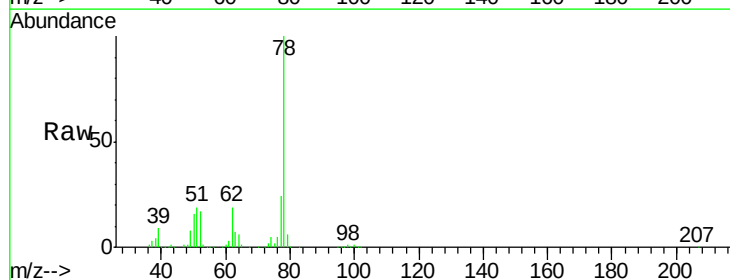
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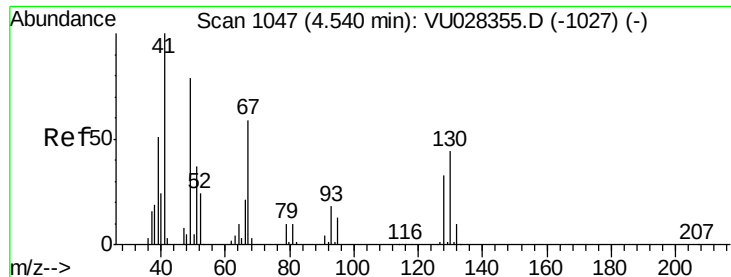
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#40
Benzene
Concen: 55.468 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





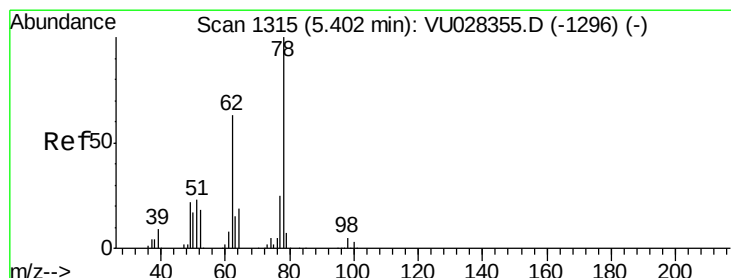
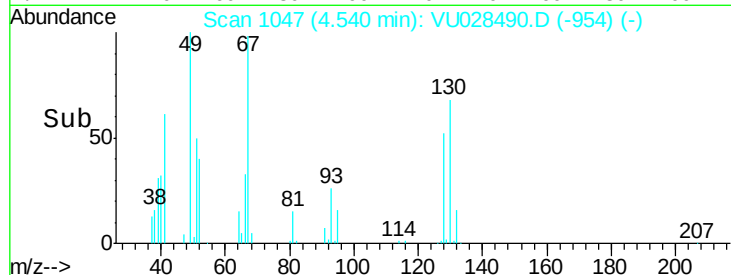
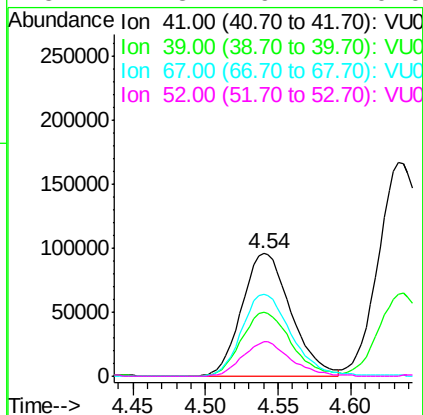
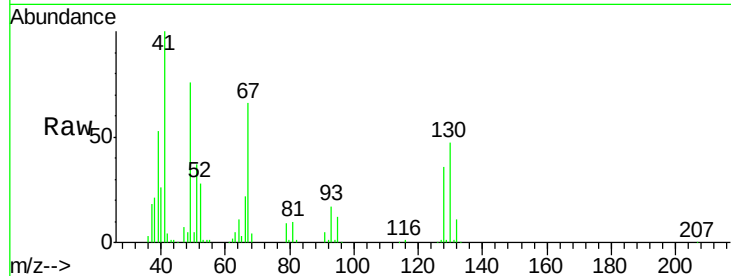
#41
Methacrylonitrile
Concen: 54.693 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	41.3	61.9	
67	67.9	48.6	73.0	
52	27.3	19.4	29.0	

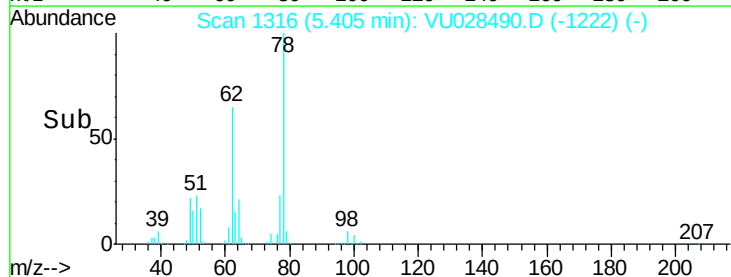
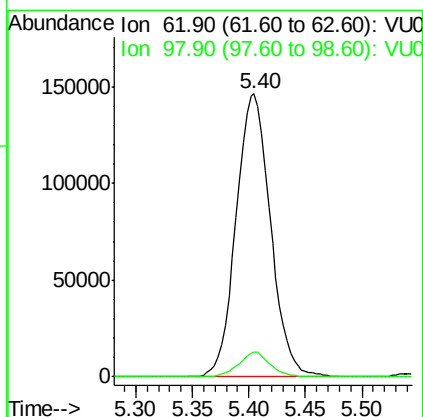
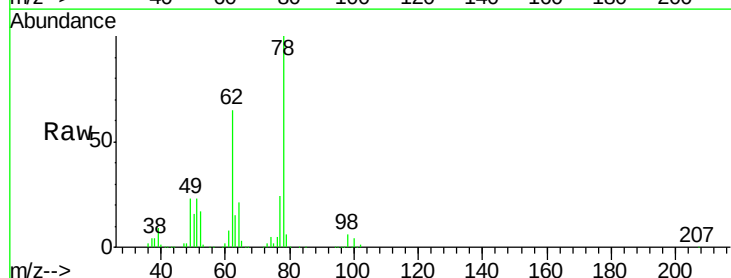
Manual Integrations
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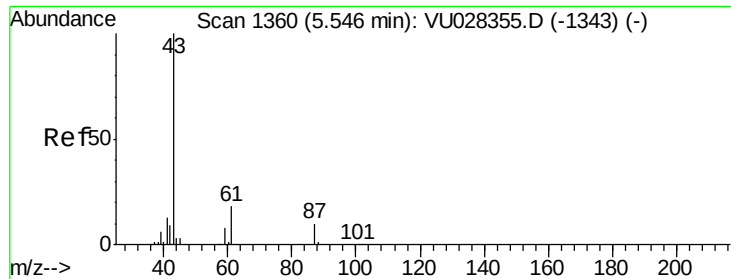
MMDadoda
12/6/2018 4:53:28 PM



#42
1,2-Dichloroethane
Concen: 53.132 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	15.4	





#43

Isopropyl Acetate

Concen: 54.141 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

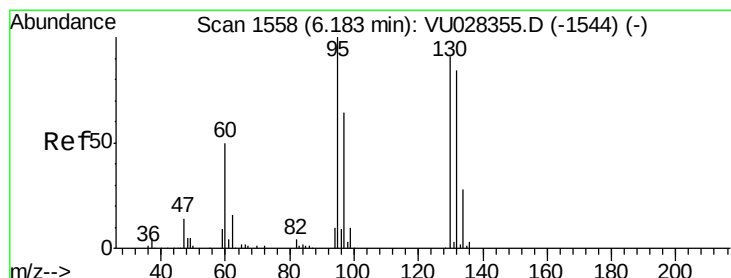
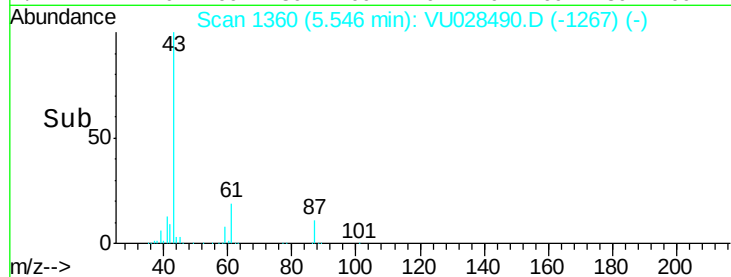
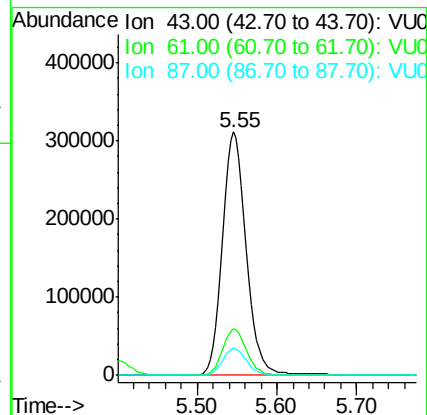
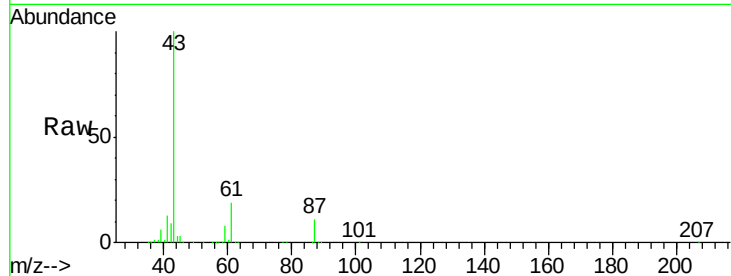
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	639668
Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.5	21.7
87	11.2	8.4	12.6

Manual Integrations
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12/6/2018 4:53:28 PM



#44

Trichloroethene

Concen: 59.323 ug/l

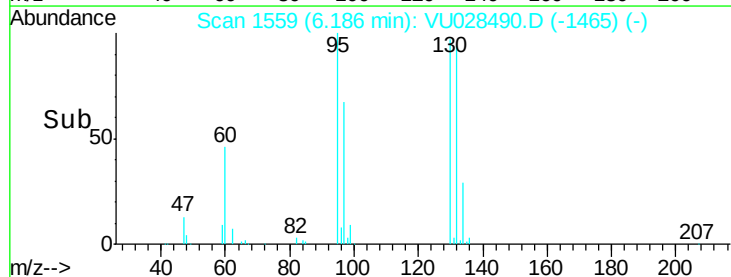
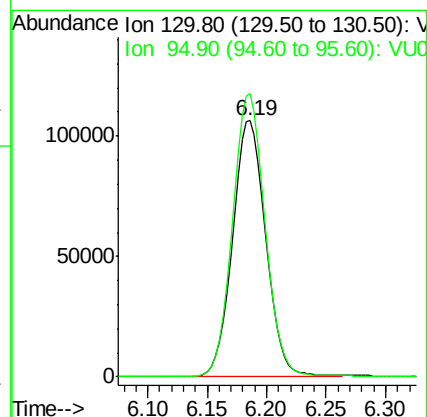
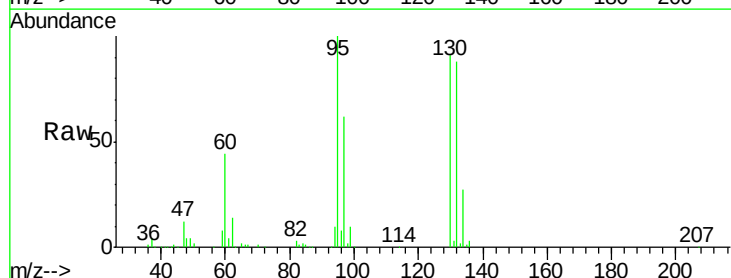
RT: 6.19 min Scan# 1559

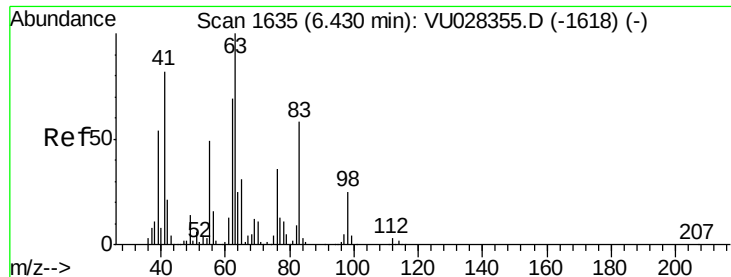
Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Tgt Ion:	130	Resp:	206048
Ion	Ratio	Lower	Upper
130	100		
95	110.4	0.0	219.8





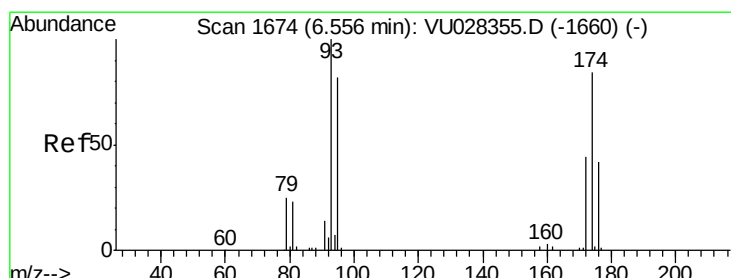
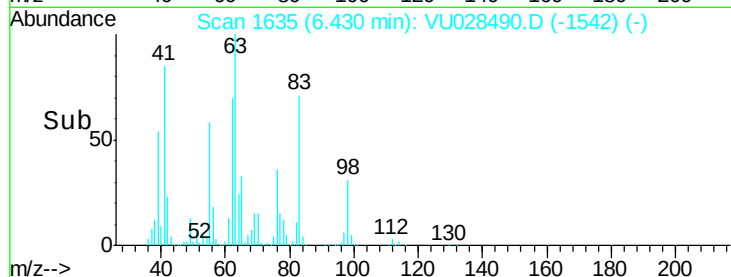
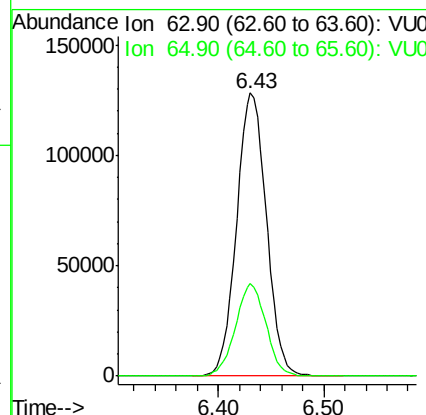
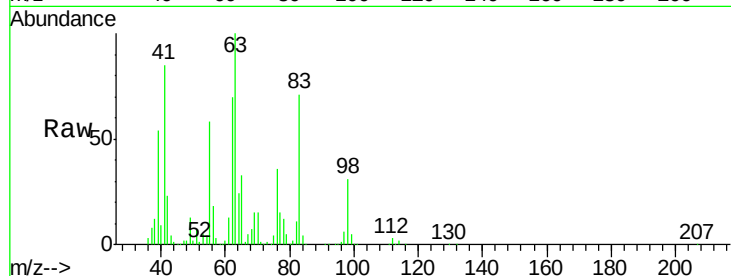
#45
 1,2-Dichloropropane
 Concen: 52.940 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 251208
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.1 37.7

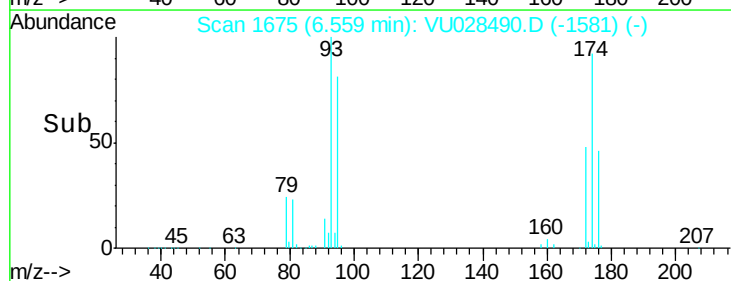
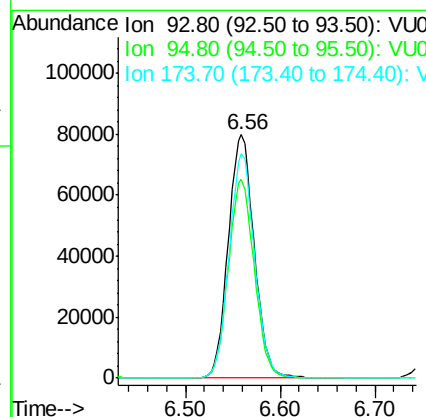
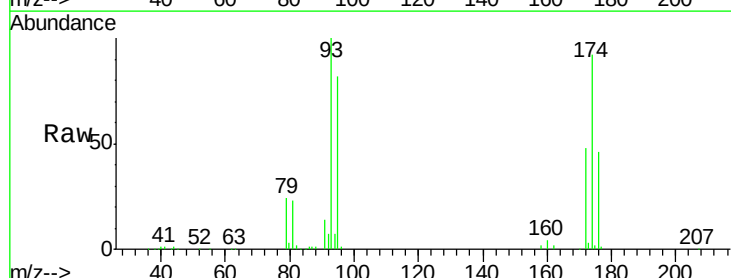
Manual Integrations
 APPROVED

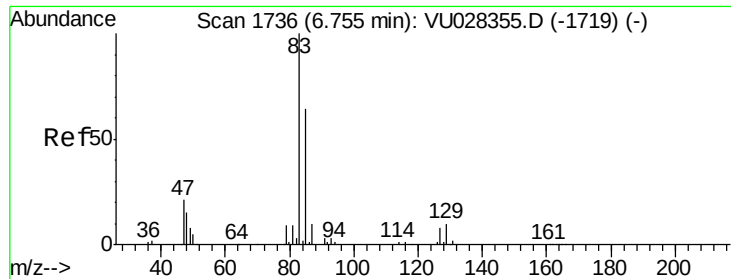
MMDadoda
 12/6/2018 4:53:28 PM



#46
 Dibromomethane
 Concen: 55.908 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion: 93 Resp: 152386
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.1 97.7
 174 90.9 69.9 104.9





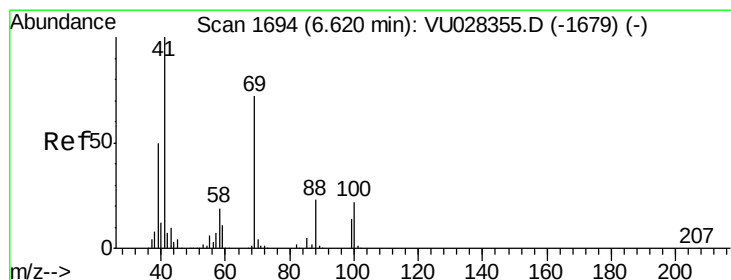
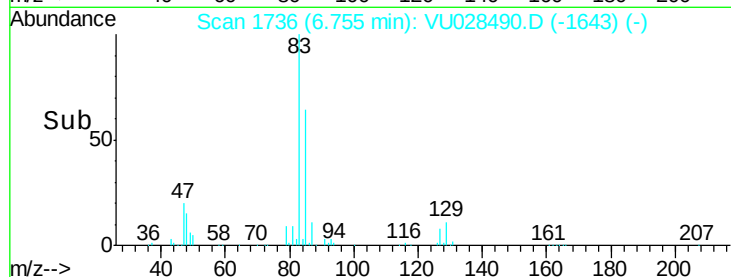
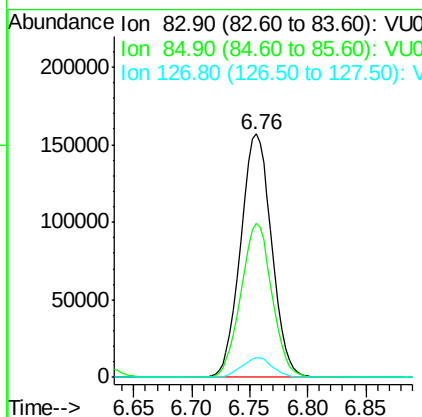
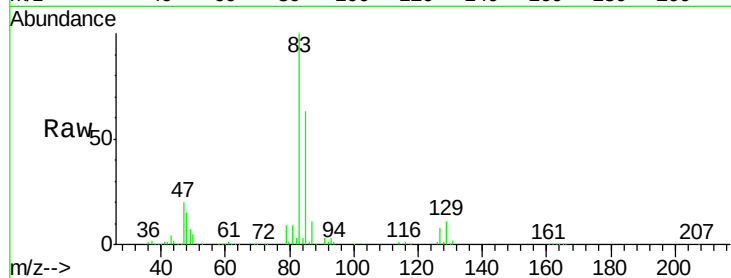
#47
 Bromodichloromethane
 Concen: 53.936 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.9	76.3
127	8.3	6.2	9.4

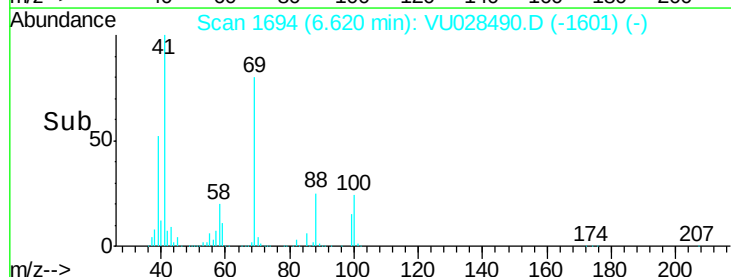
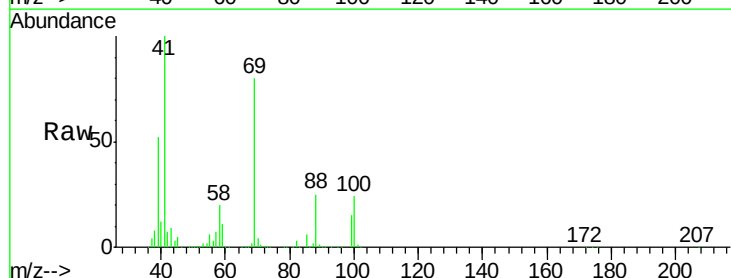
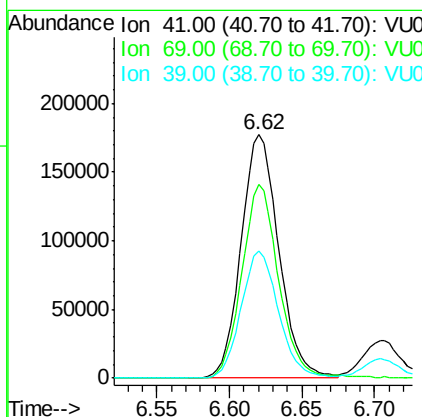
Manual Integrations
 APPROVED

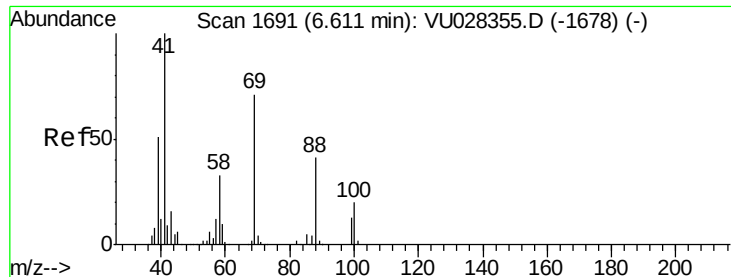
MMDadoda
 12/6/2018 4:53:28 PM



#48
 Methyl methacrylate
 Concen: 51.922 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.4	59.0	88.4
39	51.7	40.5	60.7





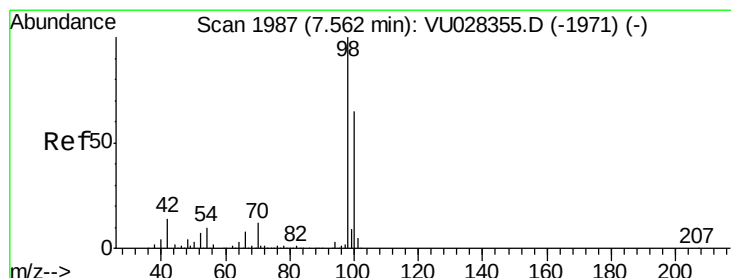
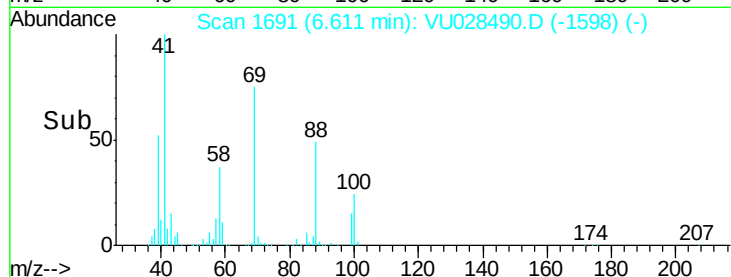
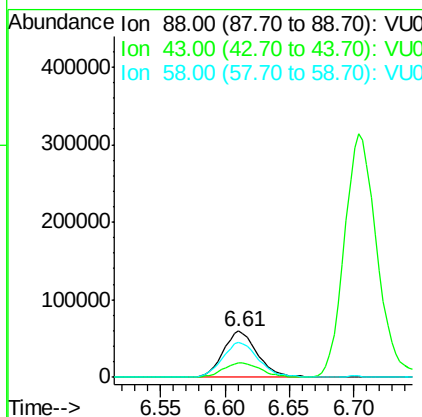
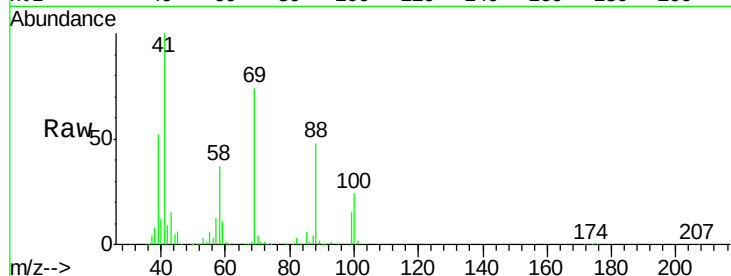
#49
1,4-Dioxane
Concen: 1114.741 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	109598		
43	34.1	32.6	48.8	
58	79.7	68.7	103.1	

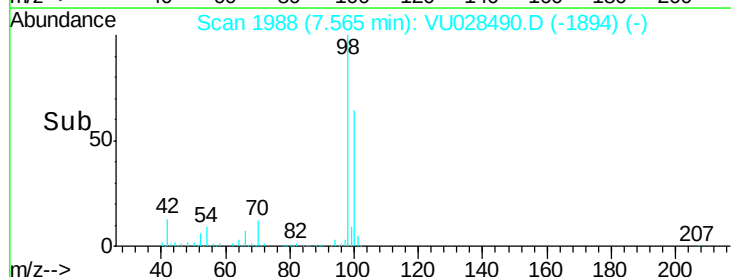
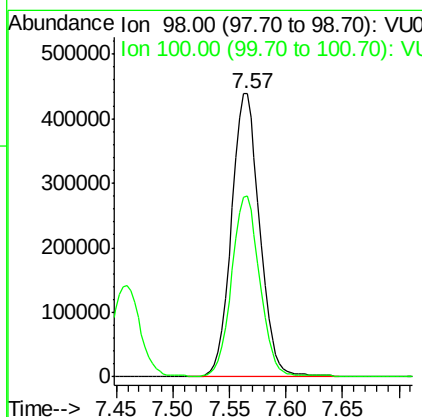
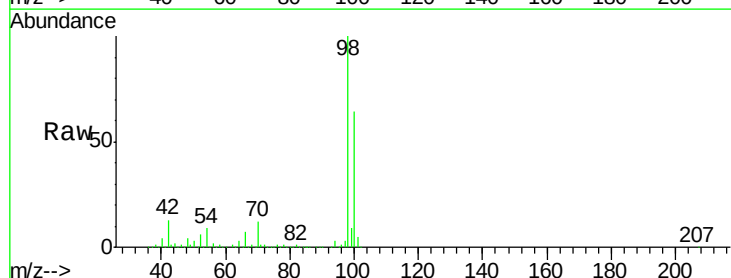
Manual Integrations
APPROVED

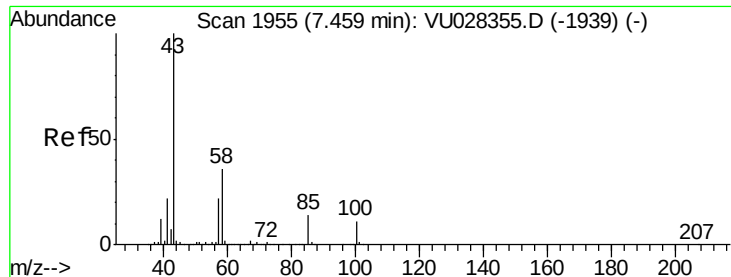
MMDadoda
12/6/2018 4:53:28 PM



#50
Toluene-d8
Concen: 57.457 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	763941		
100	64.1	50.8	76.2	





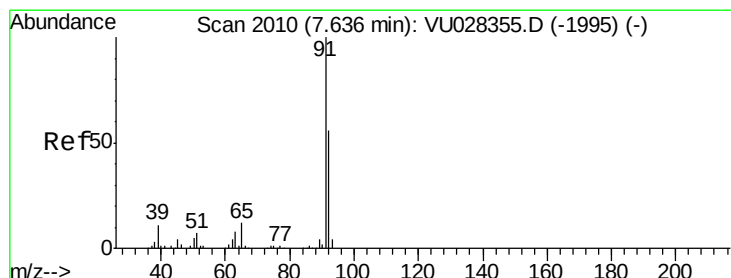
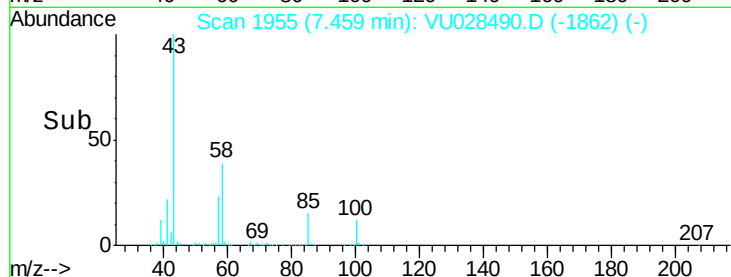
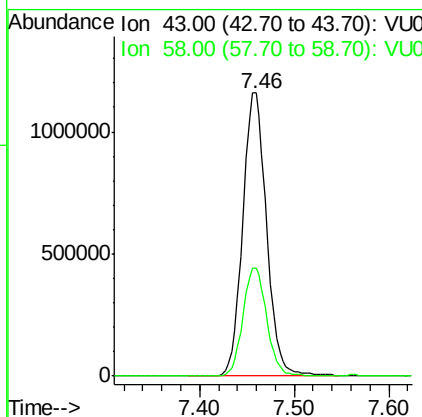
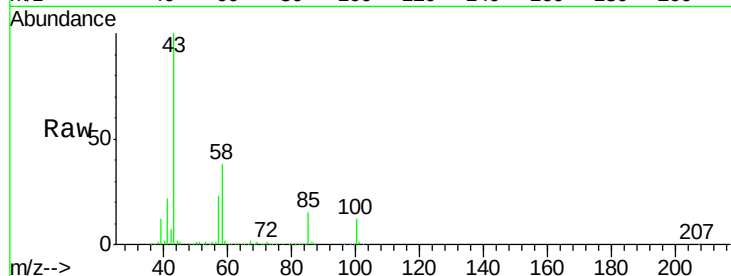
#51
 4-Methyl-2-Pentanone
 Concen: 268.743 ug/l
 RT: 7.46 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2027915
 Ion Ratio Lower Upper
 43 100
 58 38.3 28.8 43.2

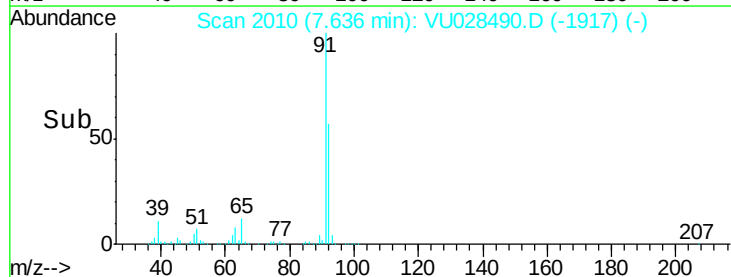
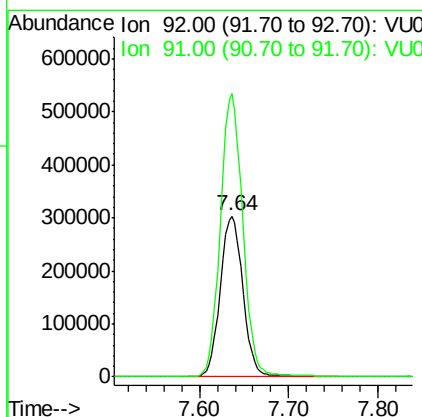
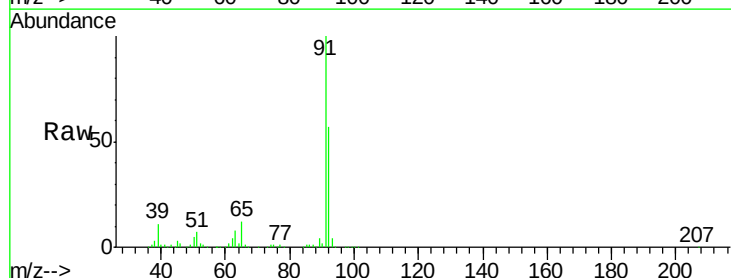
Manual Integrations
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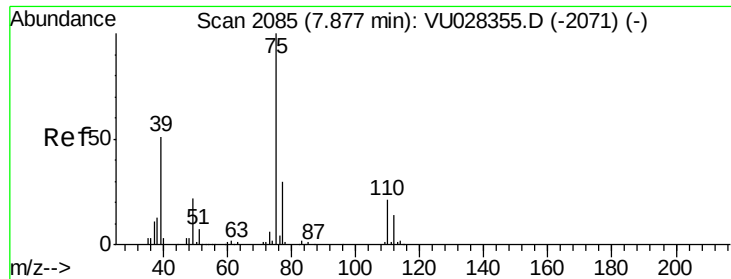
MMDadoda
 12/6/2018 4:53:28 PM



#52
 Toluene
 Concen: 57.463 ug/l
 RT: 7.64 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion: 92 Resp: 536190
 Ion Ratio Lower Upper
 92 100
 91 172.7 141.8 212.6





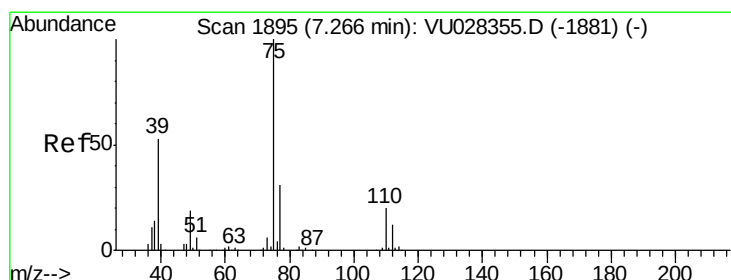
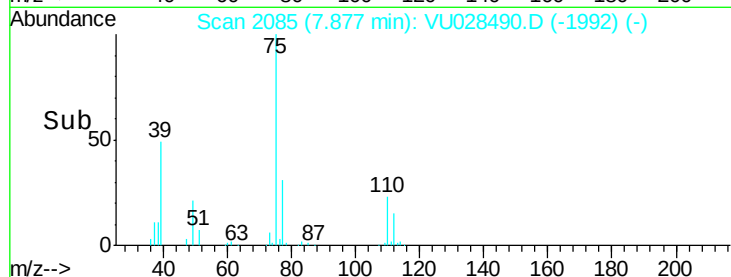
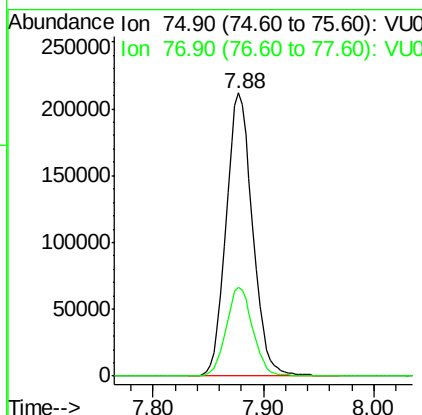
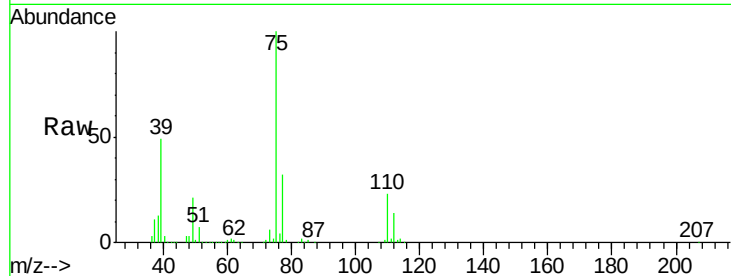
#53
t-1,3-Dichloropropene
Concen: 54.345 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 352302
Ion Ratio Lower Upper
75 100
77 31.6 24.1 36.1

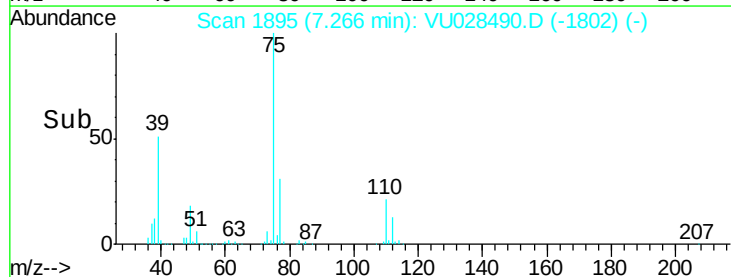
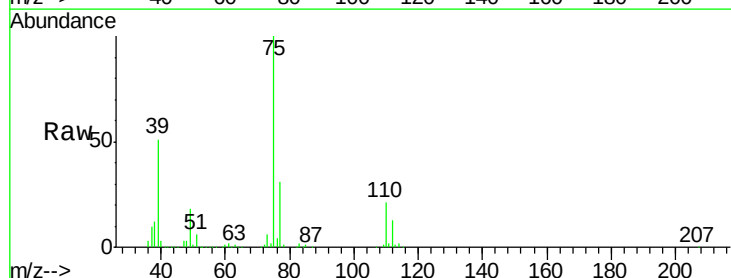
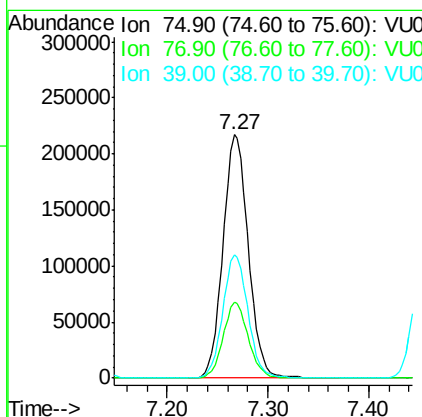
Manual Integrations
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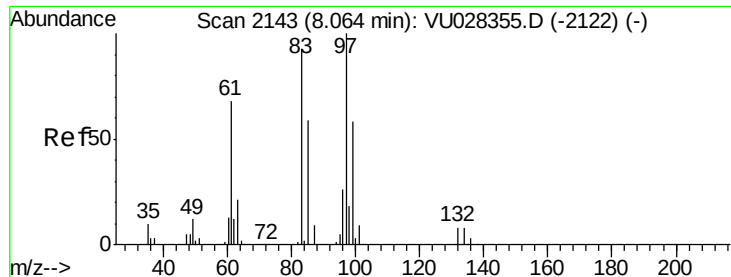
MMDadoda
12/6/2018 4:53:28 PM



#54
cis-1,3-Dichloropropene
Concen: 54.934 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 75 Resp: 381517
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3
39 50.8 42.6 64.0





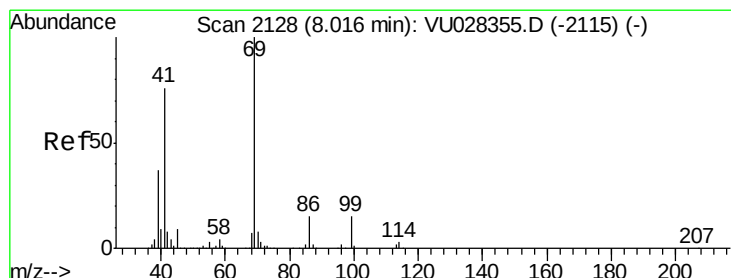
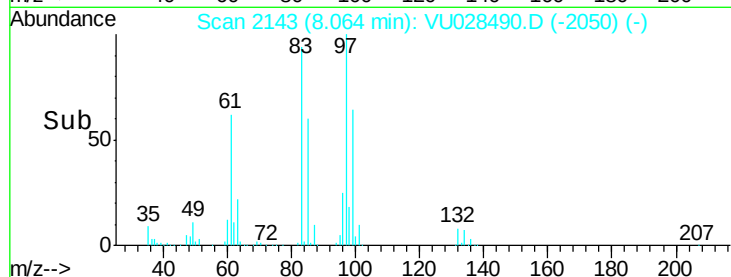
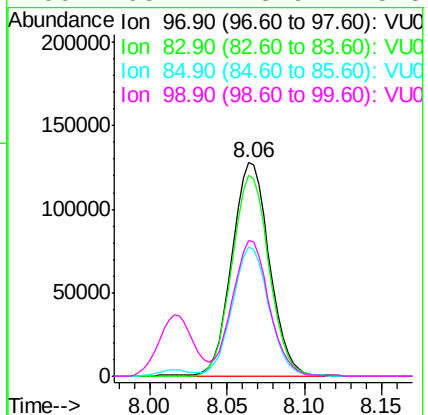
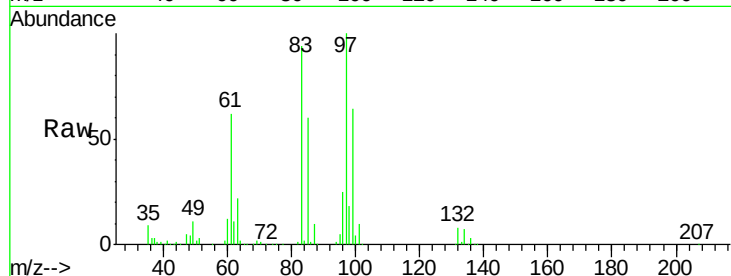
#55
 1,1,2-Trichloroethane
 Concen: 54.994 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	94.0	74.3	111.5
85	60.2	47.2	70.8
99	63.4	48.9	73.3

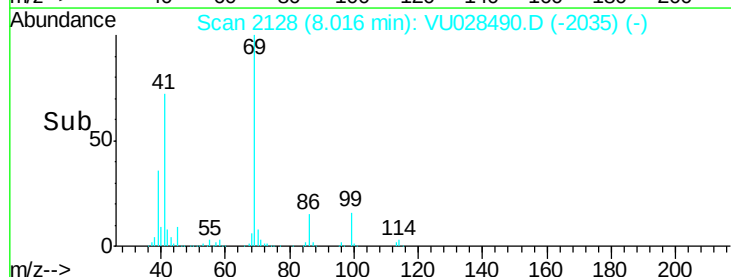
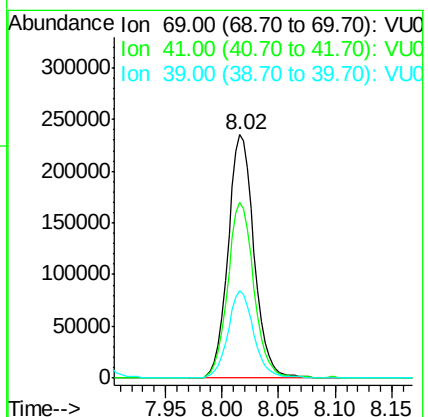
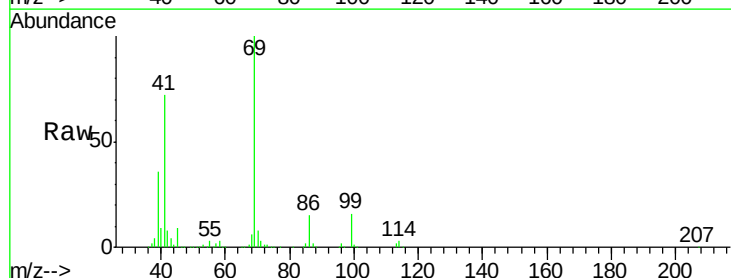
Manual Integrations
 APPROVED

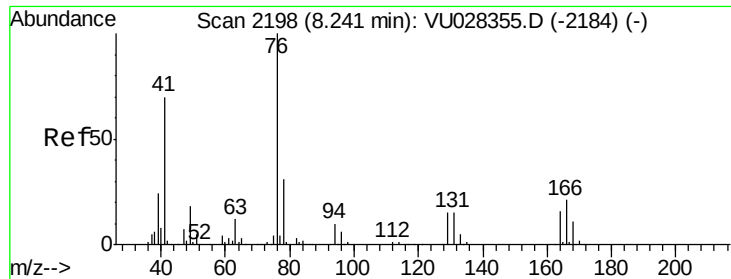
MMDadoda
 12/6/2018 4:53:28 PM



#56
 Ethyl methacrylate
 Concen: 57.067 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.2	60.0	90.0
39	35.0	29.0	43.6





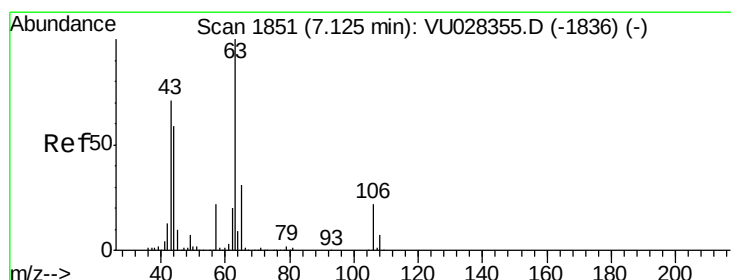
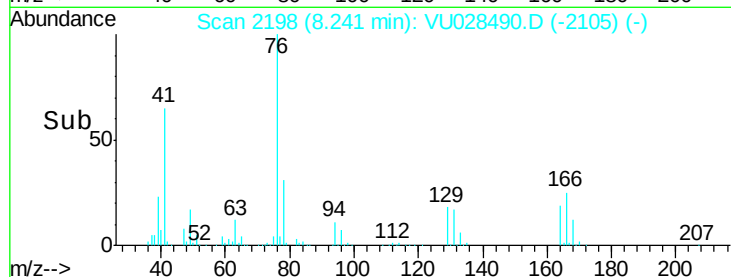
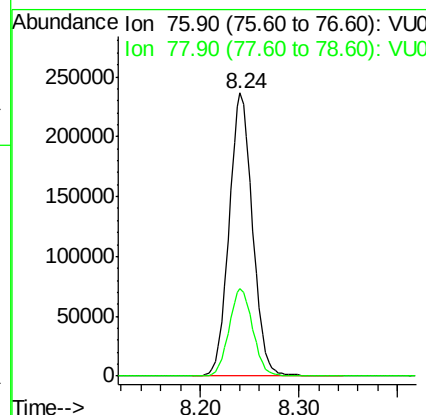
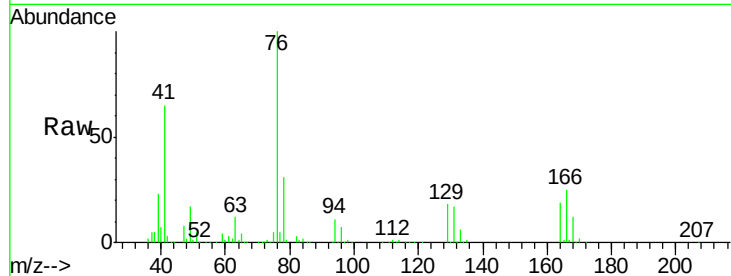
#57
 1,3-Dichloropropane
 Concen: 55.361 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 394259
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.0

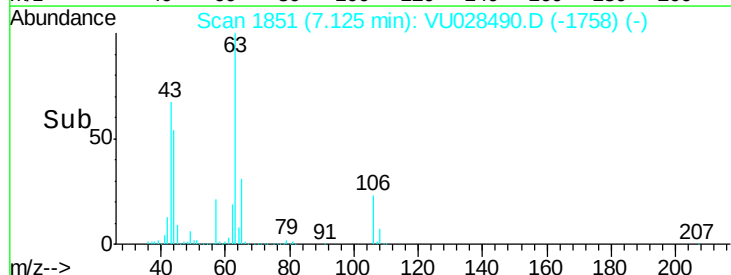
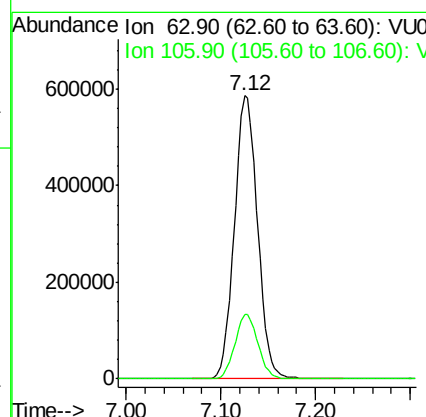
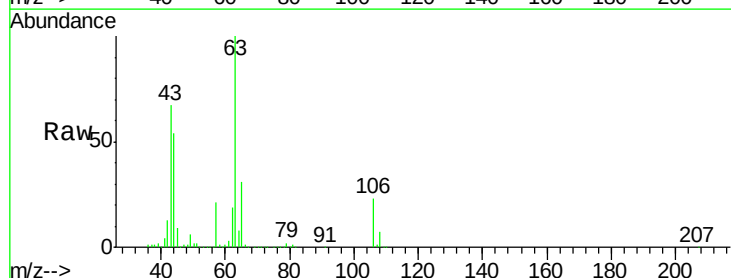
Manual Integrations
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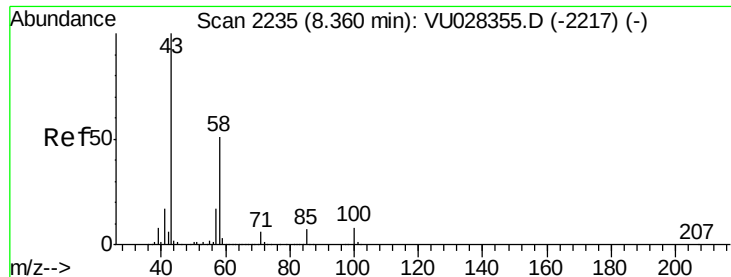
MMDadoda
 12/6/2018 4:53:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.805 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion: 63 Resp: 996008
 Ion Ratio Lower Upper
 63 100
 106 22.6 17.3 25.9





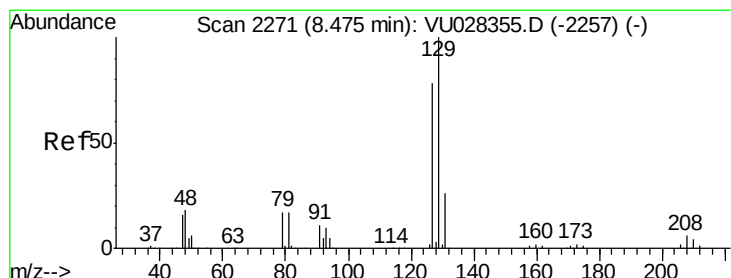
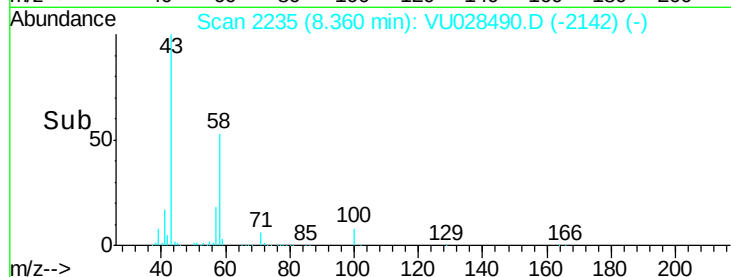
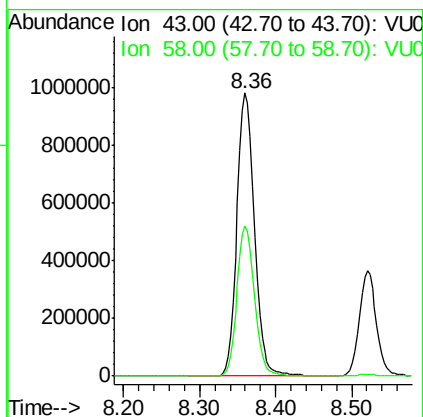
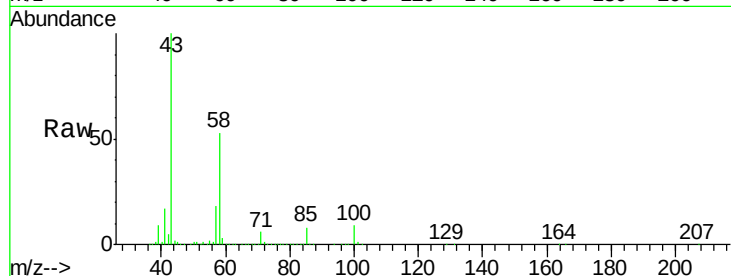
#59
2-Hexanone
Concen: 268.683 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1570474
Ion Ratio Lower Upper
43 100
58 53.1 25.5 76.5

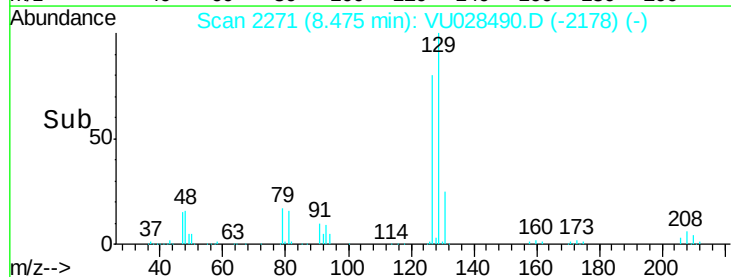
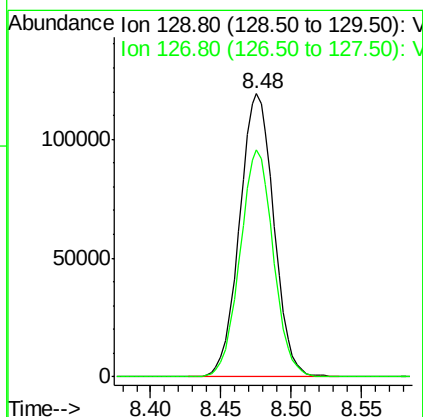
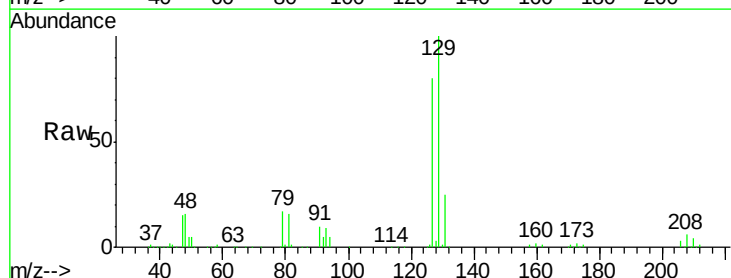
Manual Integrations
APPROVED

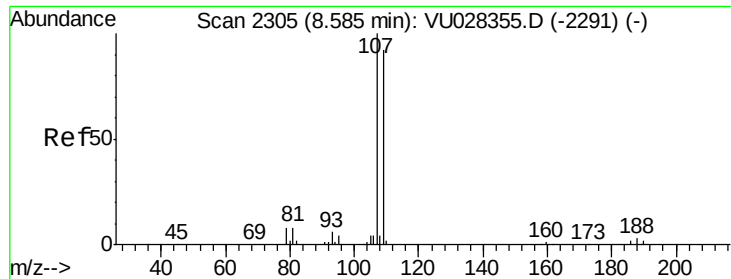
MMDadoda
12/6/2018 4:53:28 PM



#60
Dibromochloromethane
Concen: 54.889 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 129 Resp: 202727
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 58.328 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 231993

Ion Ratio Lower Upper

107 100

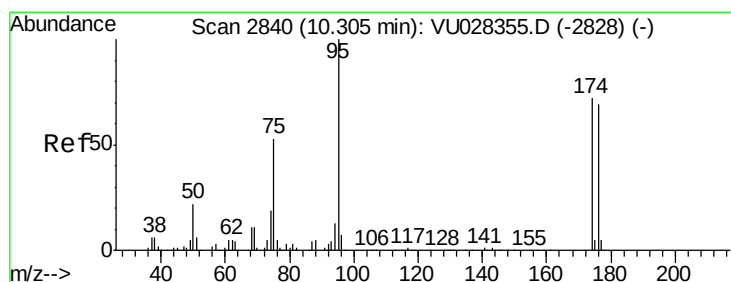
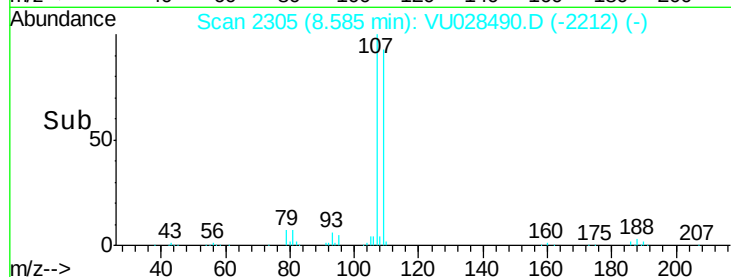
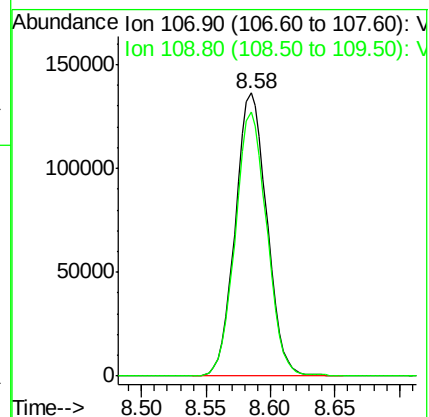
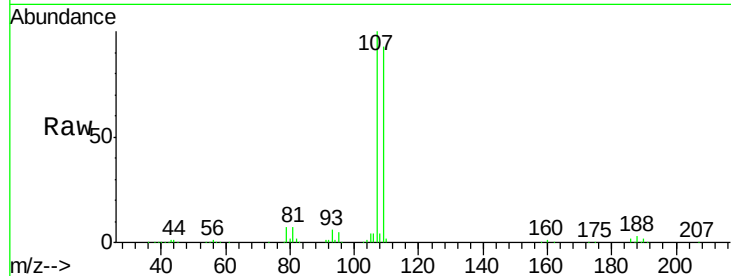
109 93.4 73.2 109.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 61.592 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

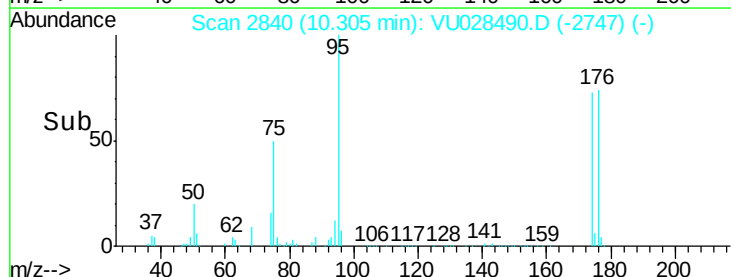
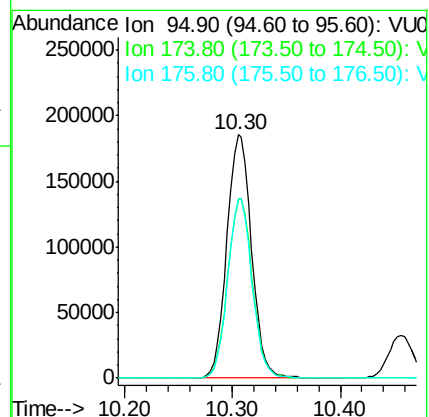
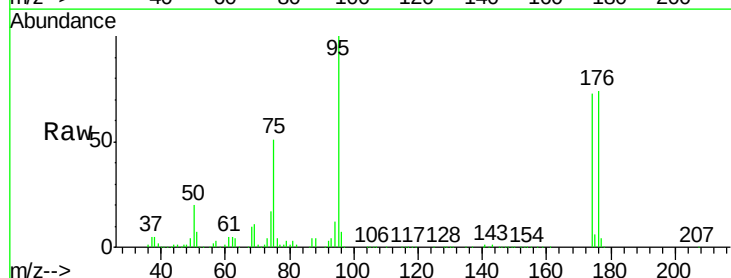
Tgt Ion: 95 Resp: 295164

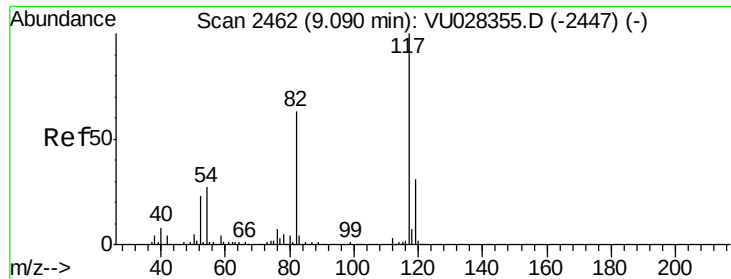
Ion Ratio Lower Upper

95 100

174 74.3 0.0 145.4

176 72.8 0.0 140.8





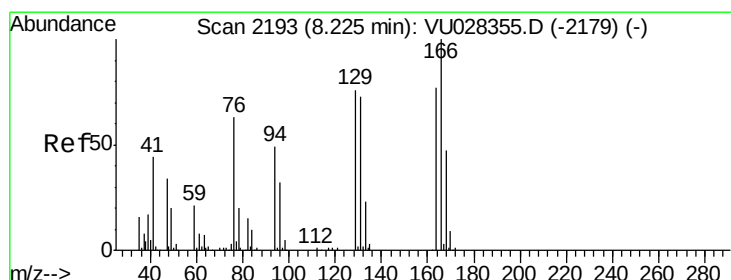
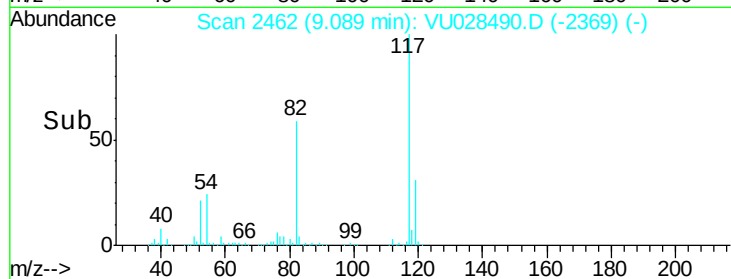
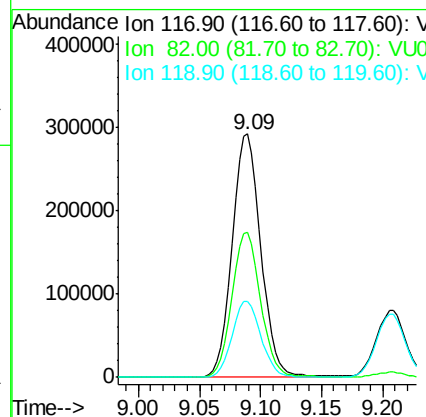
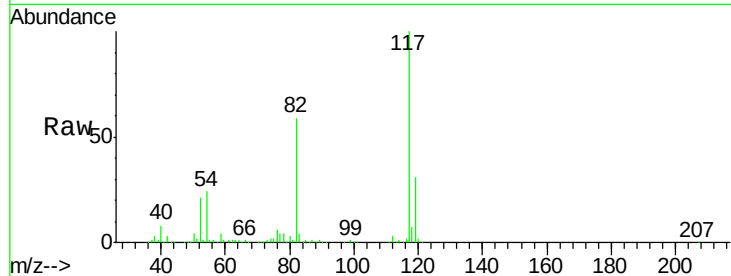
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	481115		
82	59.3	50.3	75.5	
119	31.3	24.8	37.2	

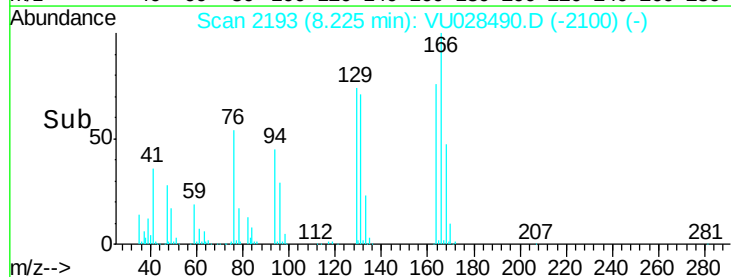
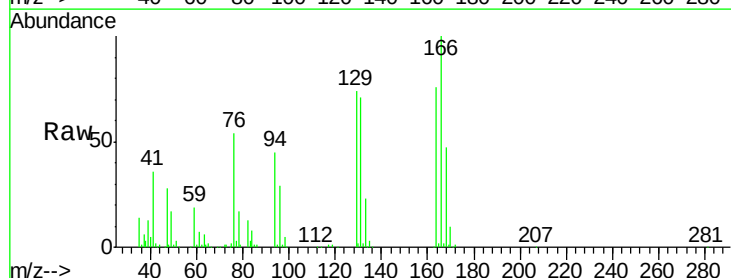
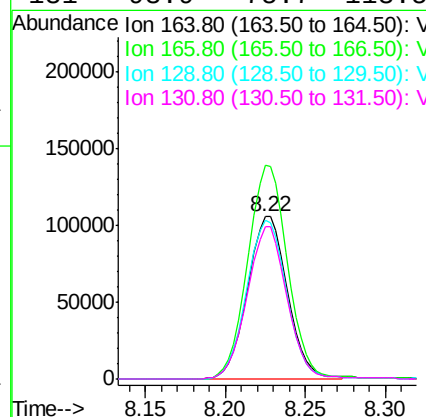
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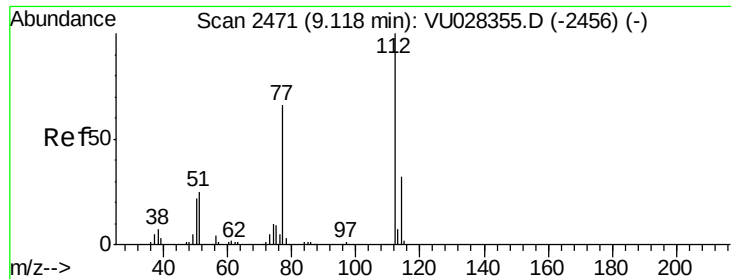
MMDadoda
12/6/2018 4:53:28 PM



#64
Tetrachloroethene
Concen: 56.917 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	180128		
166	131.4	104.0	156.0	
129	97.7	79.2	118.8	
131	93.9	75.7	113.5	





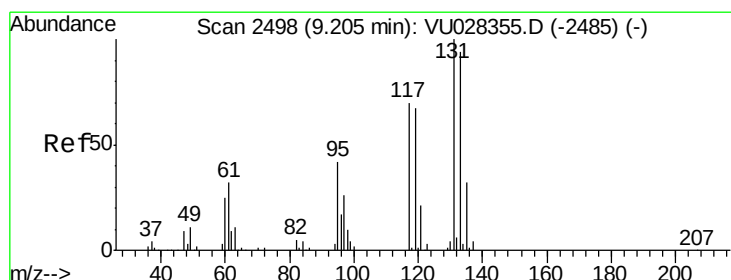
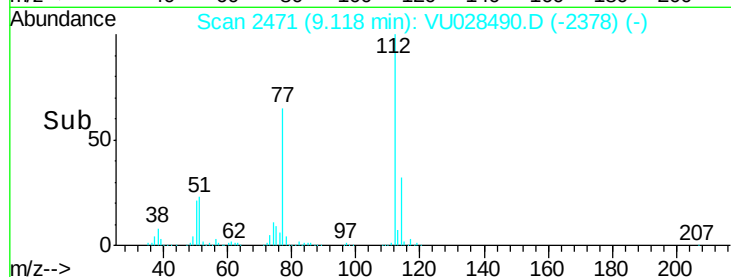
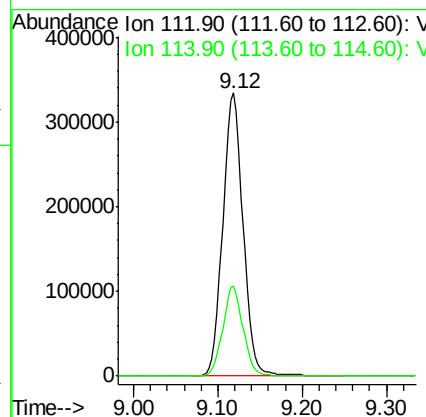
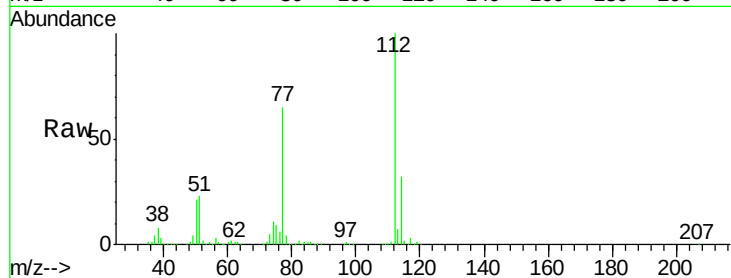
#65
Chlorobenzene
Concen: 55.972 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 559159
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

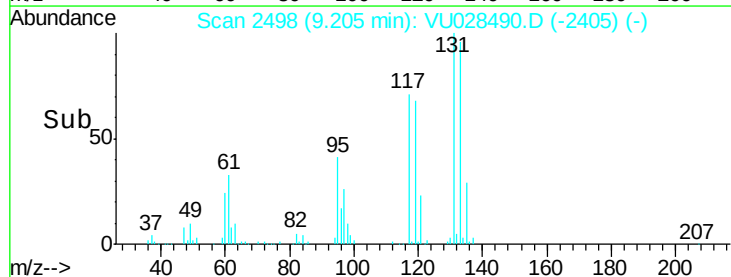
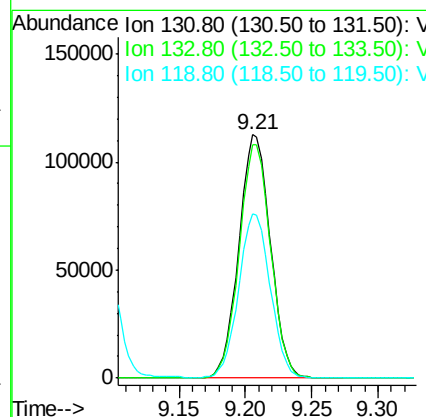
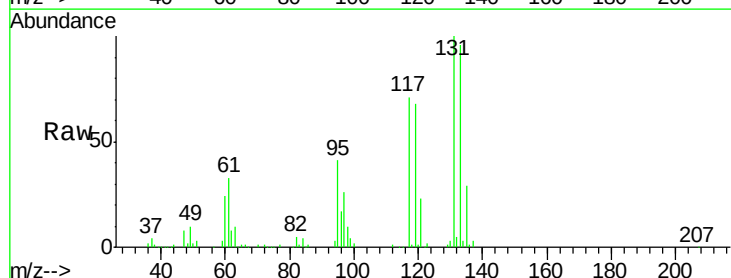
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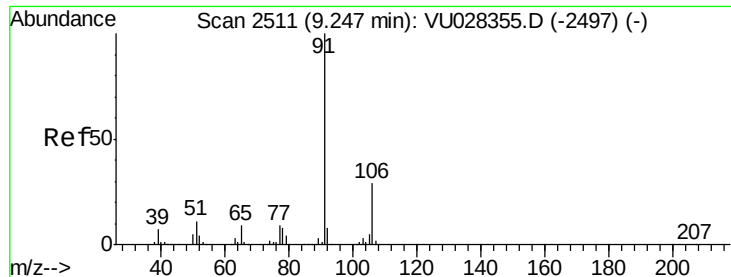
MMDadoda
12/6/2018 4:53:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.463 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion:131 Resp: 186499
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.8
119 67.4 34.1 102.2





#67

Ethyl Benzene

Concen: 55.282 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1040152

Ion Ratio Lower Upper

91 100

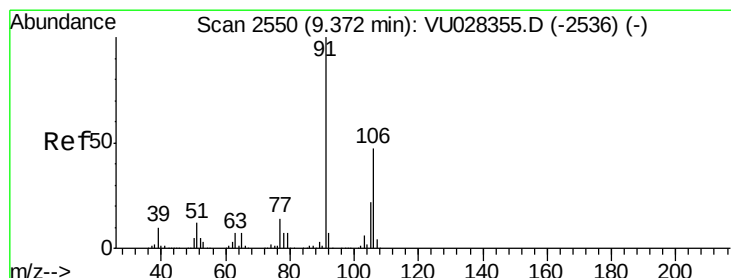
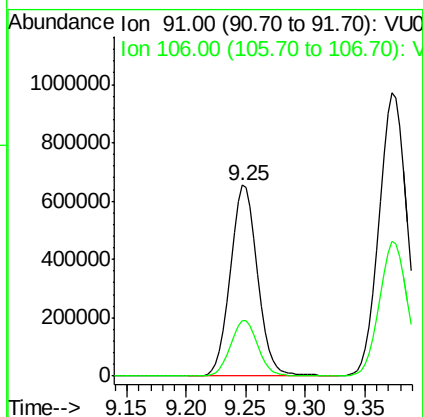
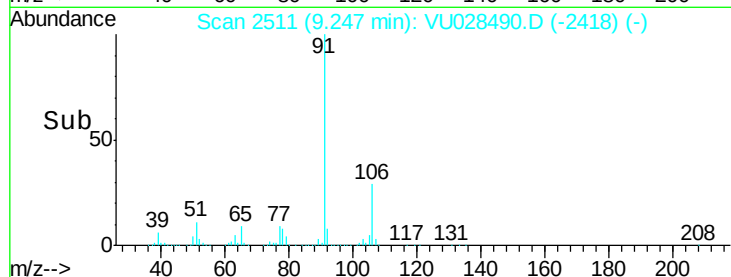
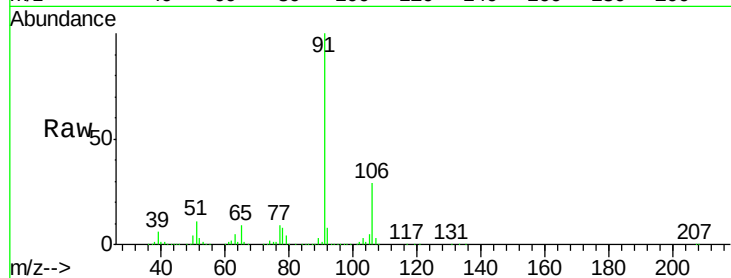
106 29.2 23.3 34.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 112.293 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028490.D

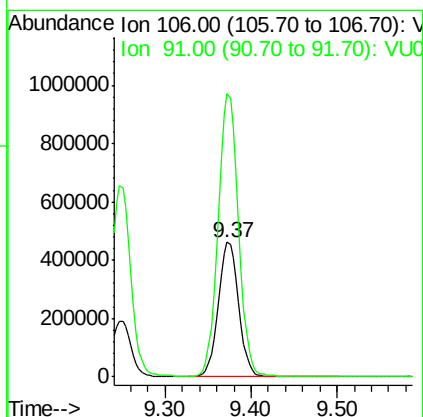
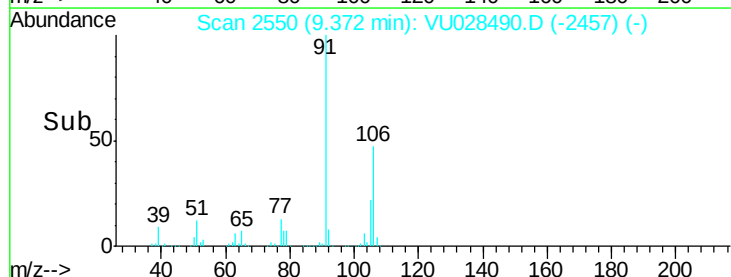
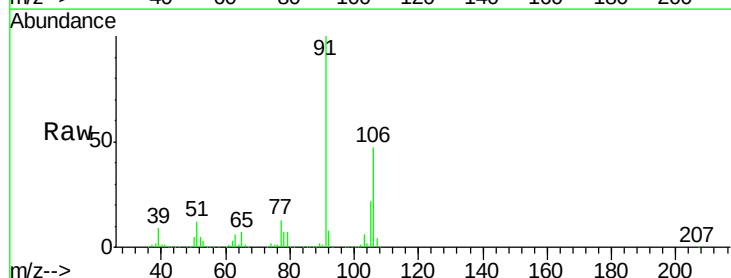
Acq: 05 Dec 2018 19:02

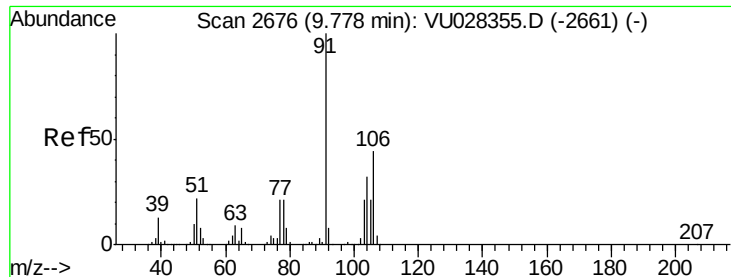
Tgt Ion: 106 Resp: 760483

Ion Ratio Lower Upper

106 100

91 210.3 171.0 256.6





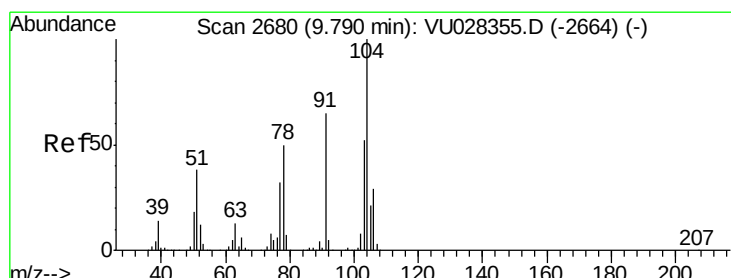
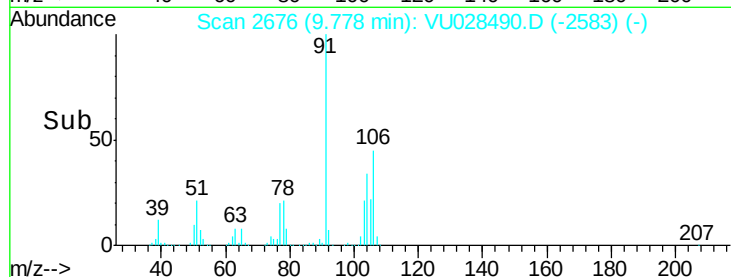
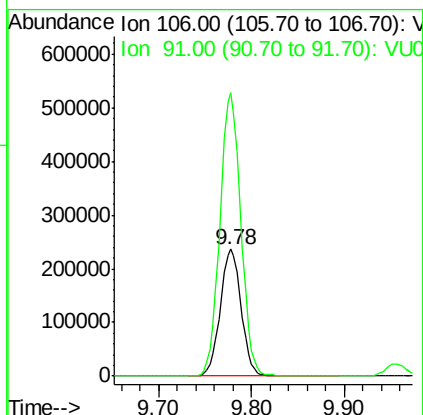
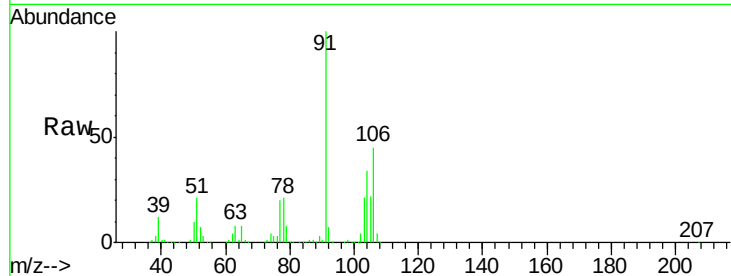
#69
o-Xylene
Concen: 55.022 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 370429
Ion Ratio Lower Upper
106 100
91 223.0 112.7 338.0

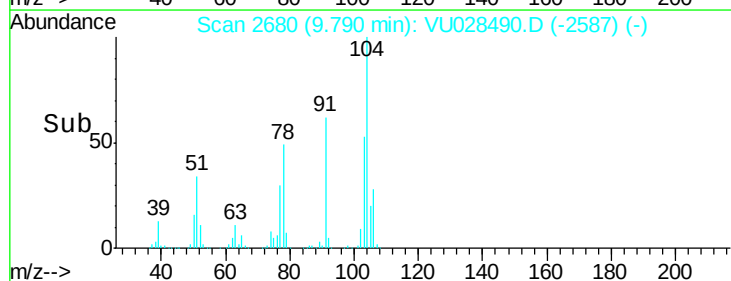
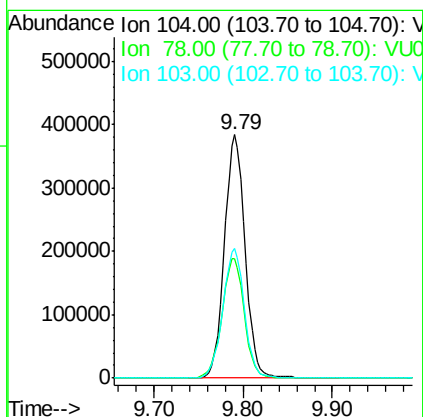
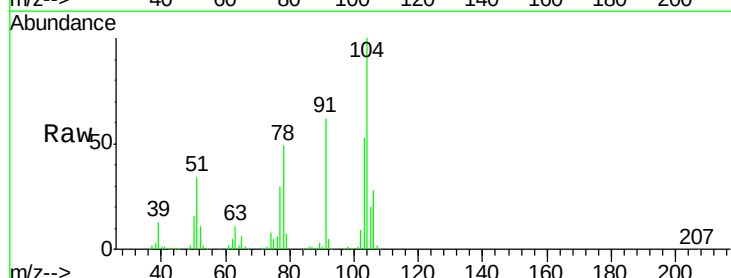
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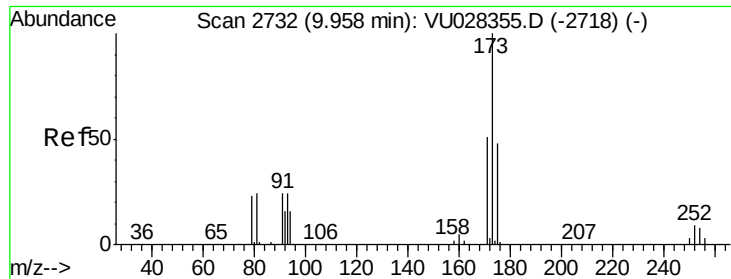
MMDadoda
12/6/2018 4:53:28 PM



#70
Styrene
Concen: 56.607 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion:104 Resp: 614621
Ion Ratio Lower Upper
104 100
78 52.9 43.3 64.9
103 55.8 44.8 67.2





#71

Bromoform

Concen: 54.760 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

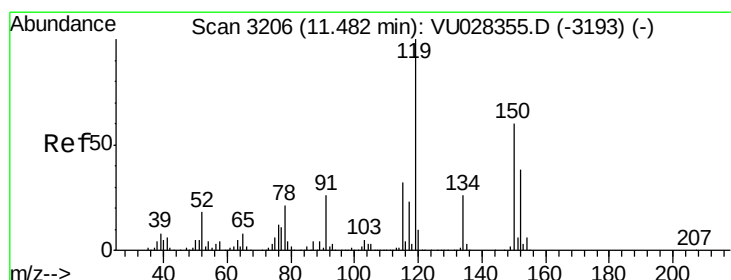
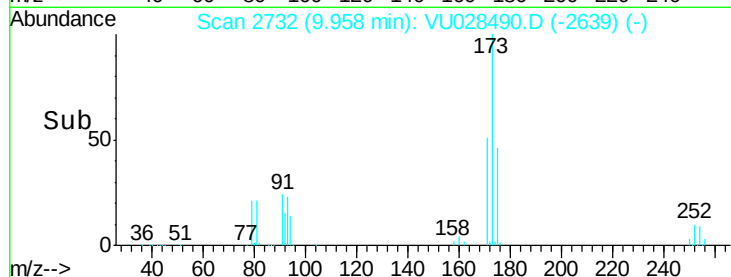
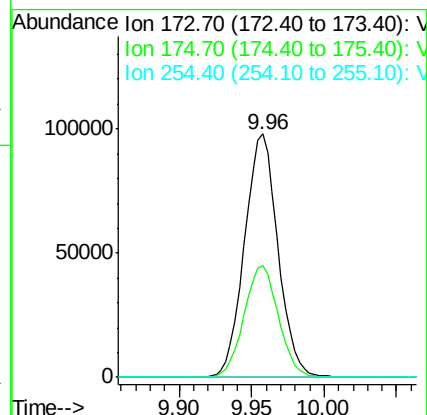
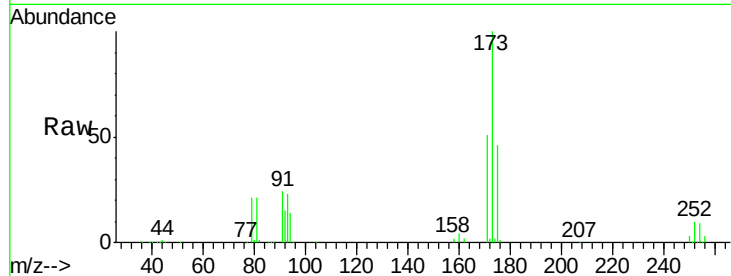
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	173	Resp:	157611
Ion Ratio	Lower	Upper	
173	100		
175	47.4	24.1	72.4
254	0.1	0.0	0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

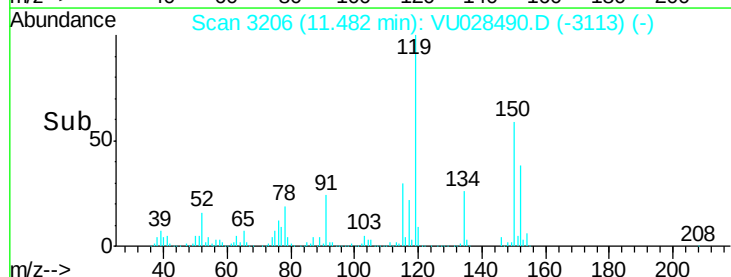
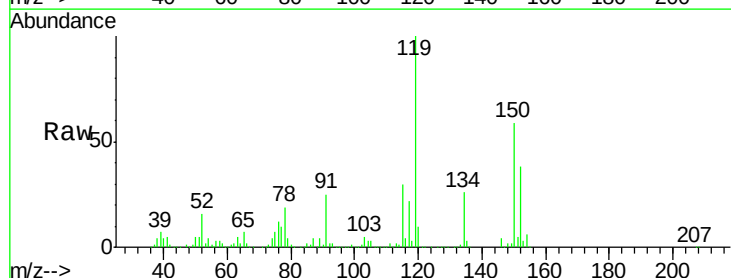
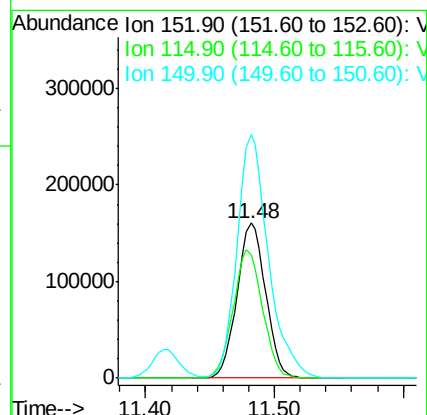
RT: 11.48 min Scan# 3206

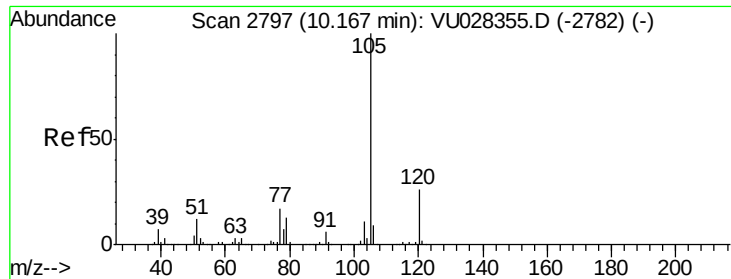
Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Tgt Ion:	152	Resp:	246733
Ion Ratio	Lower	Upper	
152	100		
115	84.8	45.0	134.8
150	173.1	0.0	349.2





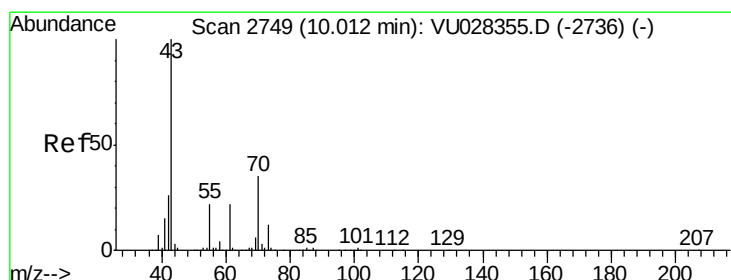
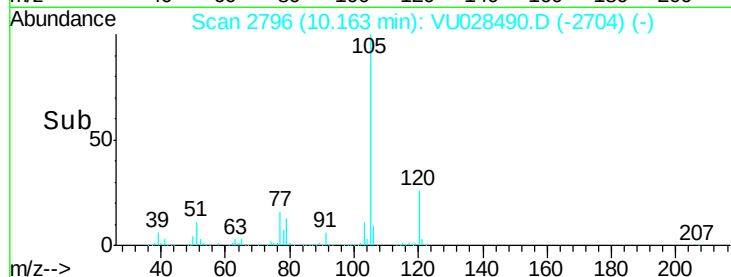
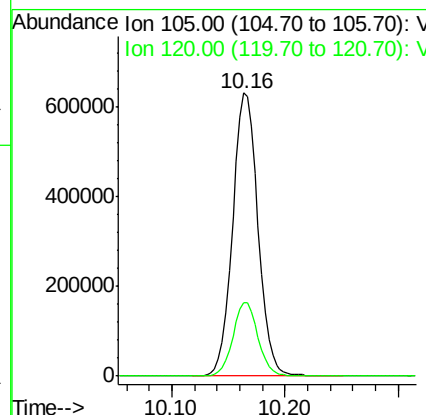
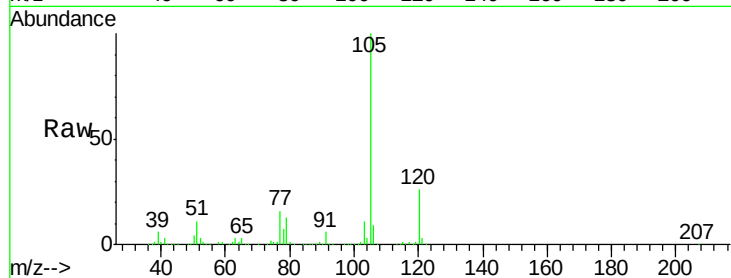
#73
Isopropylbenzene
Concen: 51.259 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.3

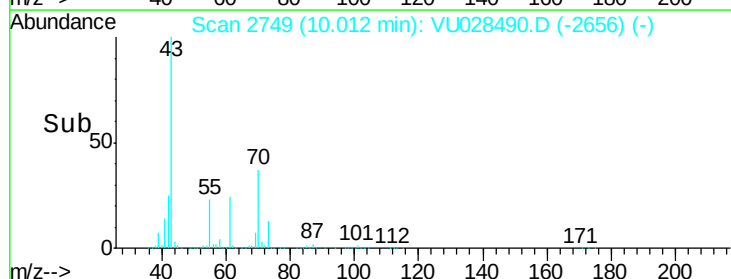
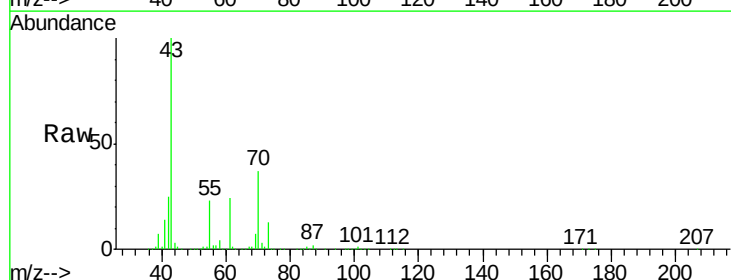
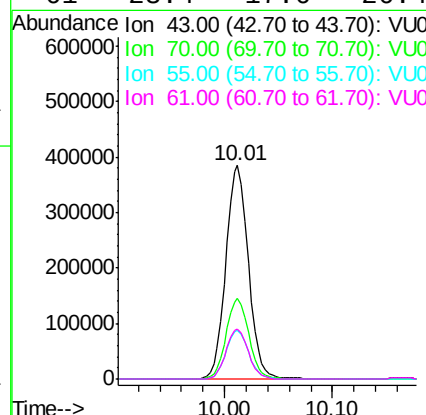
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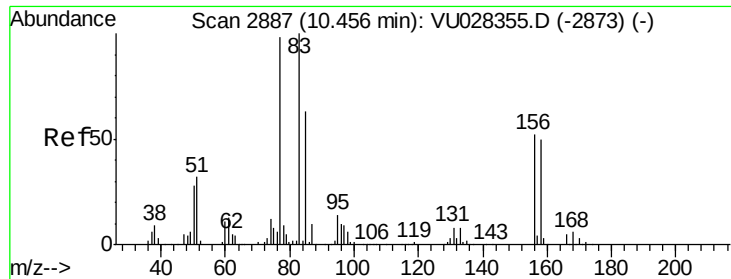
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12/6/2018 4:53:28 PM



#74
N-ethyl acetate
Concen: 46.402 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.2	28.4	42.6
55	23.0	18.0	27.0
61	23.4	17.6	26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.376 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 381752

Ion Ratio Lower Upper

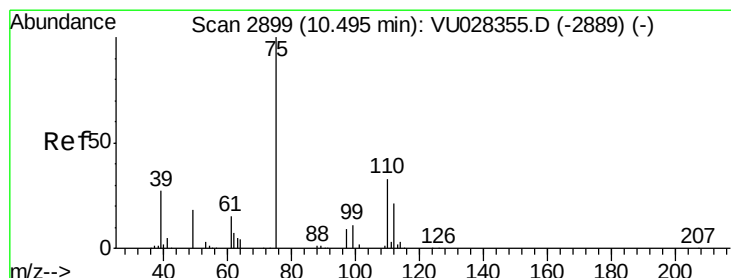
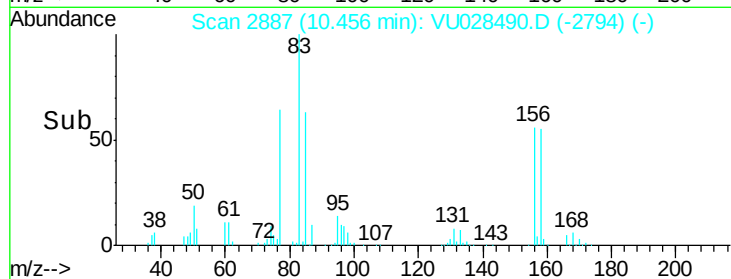
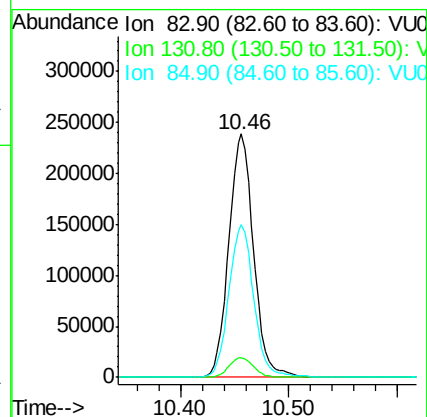
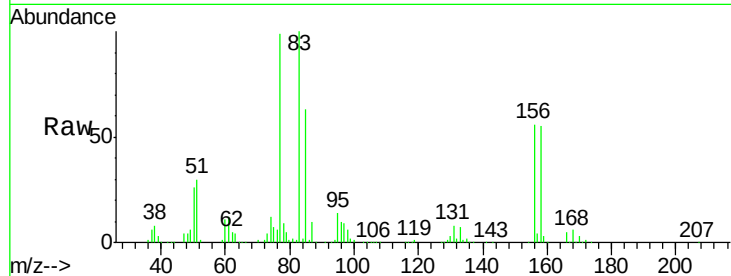
83 100

131 8.1 4.0 12.2

85 63.3 31.8 95.4

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#76

1,2,3-Trichloropropane

Concen: 46.579 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028490.D

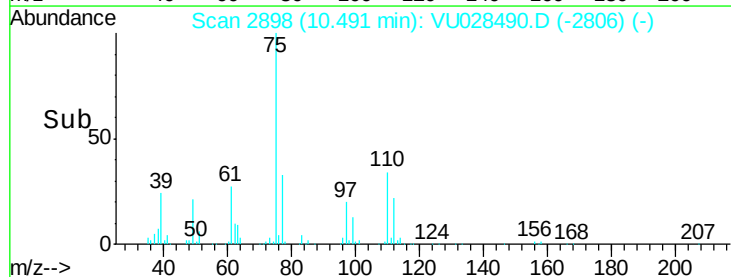
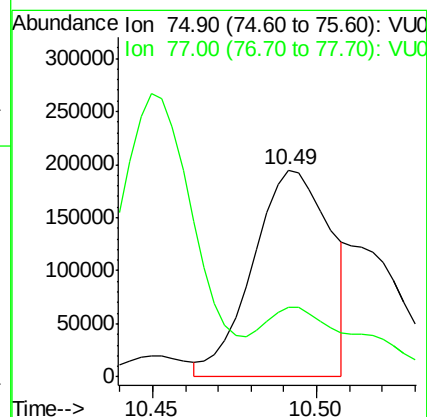
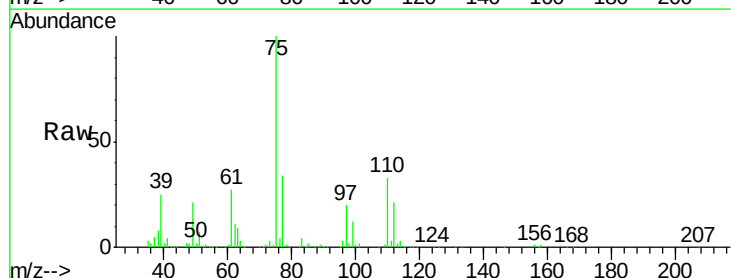
Acq: 05 Dec 2018 19:02

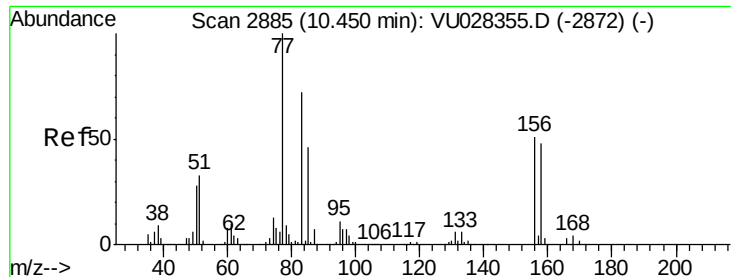
Tgt Ion: 75 Resp: 318697

Ion Ratio Lower Upper

75 100

77 44.6 22.4 67.0





#77

Bromobenzene

Concen: 52.608 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

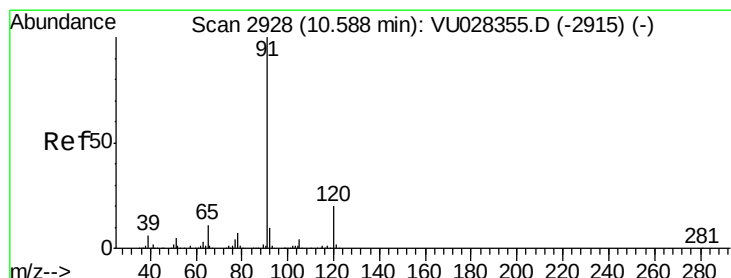
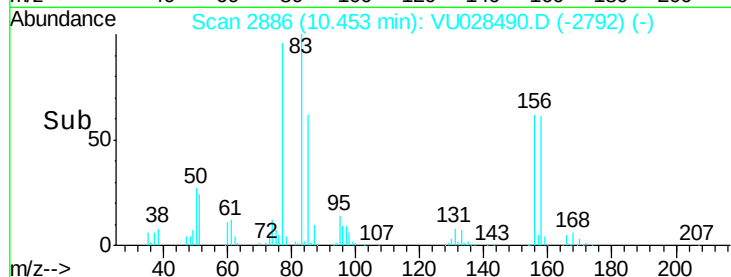
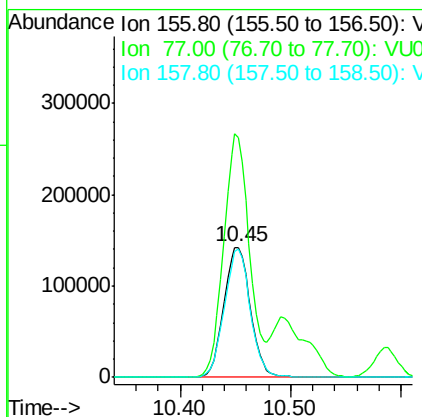
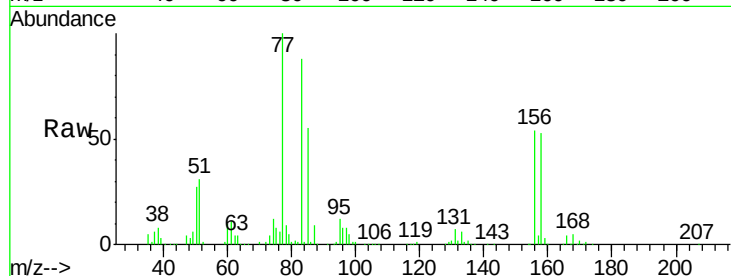
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	237877
Ion Ratio	Lower	Upper	
156	100		
77	182.7	97.0	290.9
158	96.2	46.8	140.4

Manual Integrations
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#78

n-propylbenzene

Concen: 52.003 ug/l

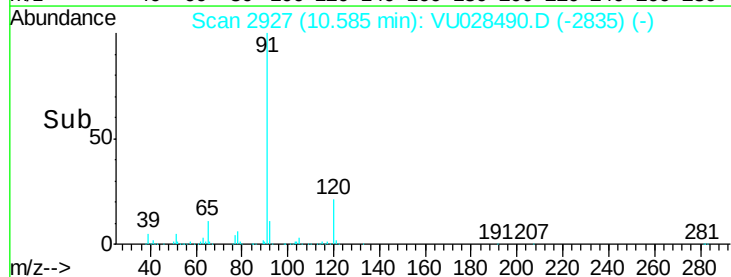
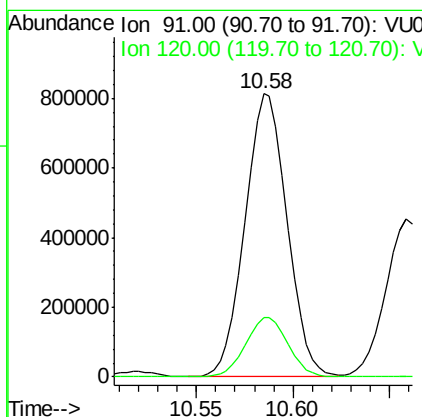
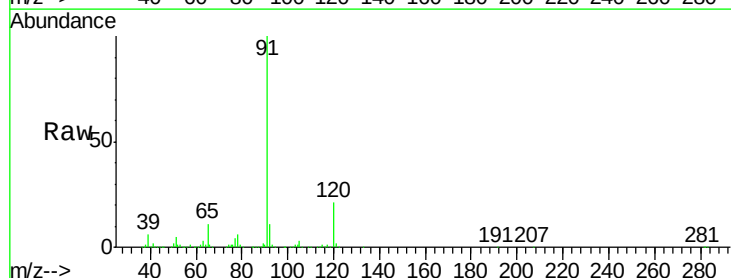
RT: 10.58 min Scan# 2927

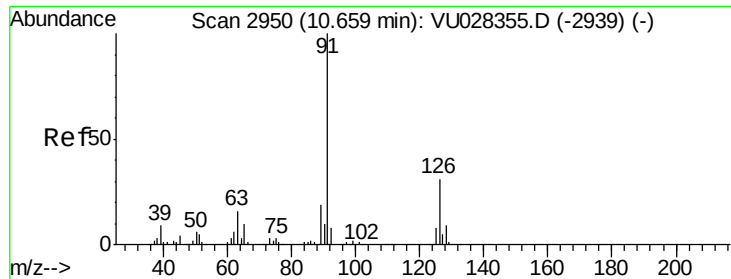
Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Tgt Ion:	91	Resp:	1231073
Ion Ratio	Lower	Upper	
91	100		
120	21.1	10.3	30.8





#79

2-Chlorotoluene

Concen: 50.431 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 703781

Ion Ratio Lower Upper

91 100

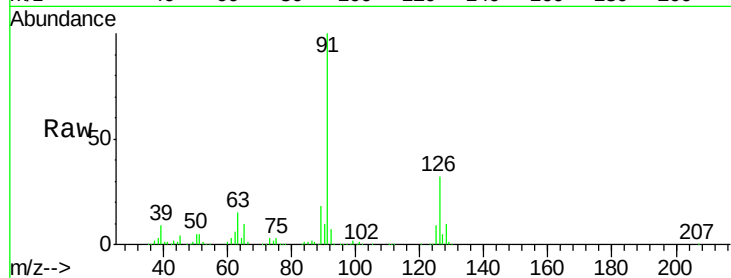
126 32.0 15.4 46.1

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Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028355.D (-2939) (-)

800000

600000

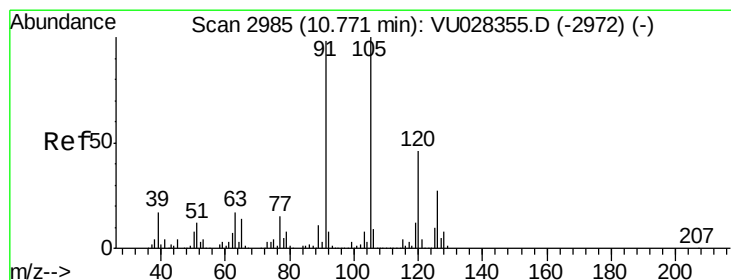
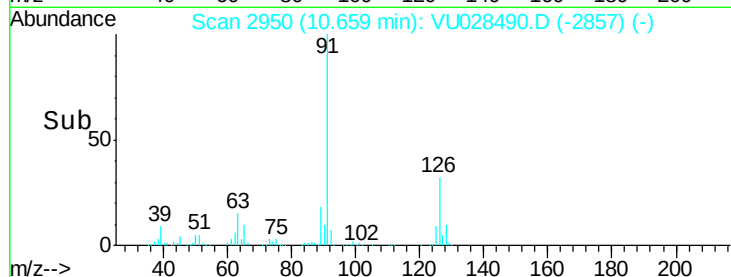
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.508 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028490.D

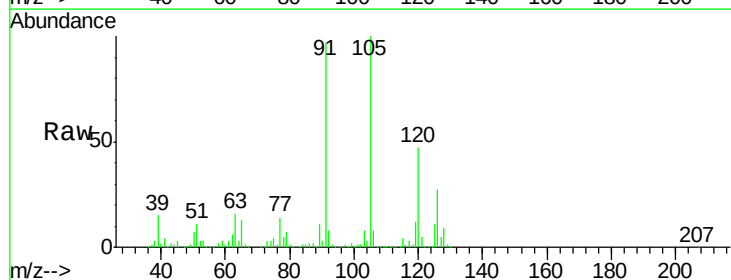
Acq: 05 Dec 2018 19:02

Tgt Ion: 105 Resp: 832941

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VU028355.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028355.D (-2972) (-)

600000

500000

400000

300000

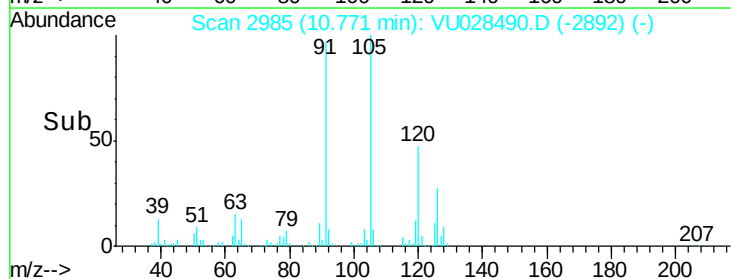
200000

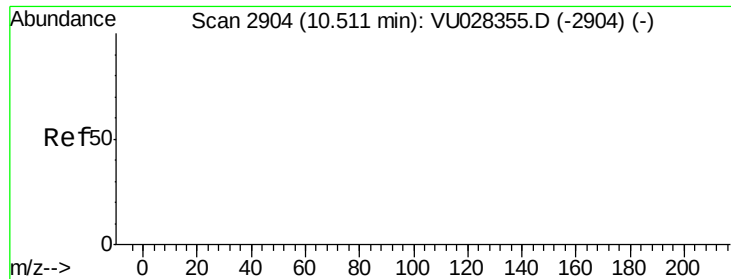
100000

0

10.70 10.80

Time-->





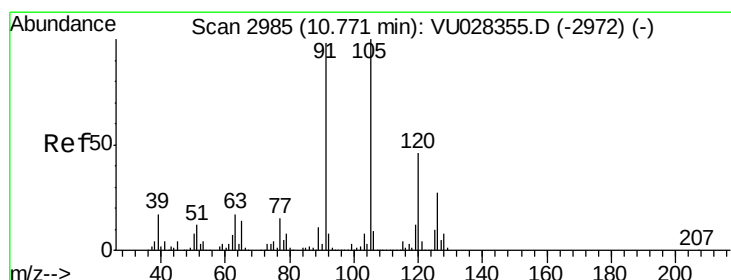
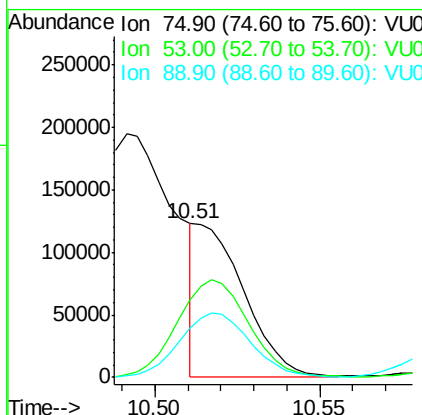
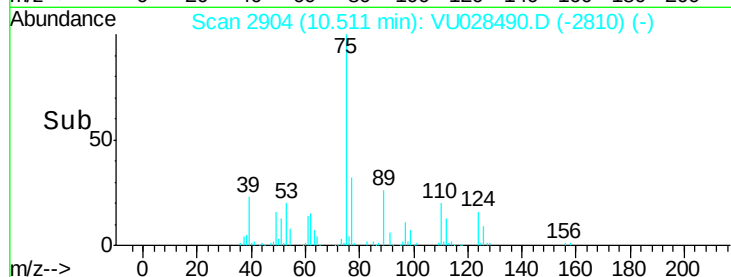
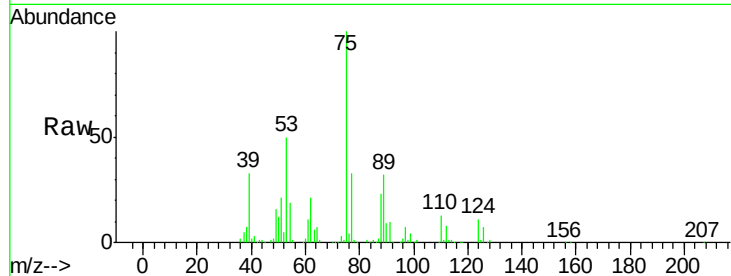
#81
trans-1,4-Dichloro-2-butene
Concen: 47.647 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

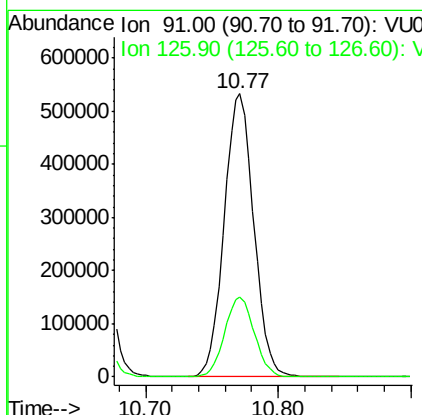
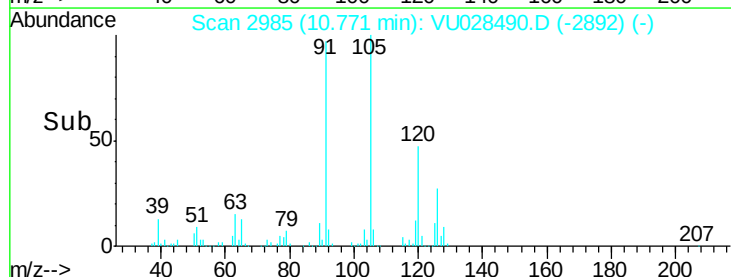
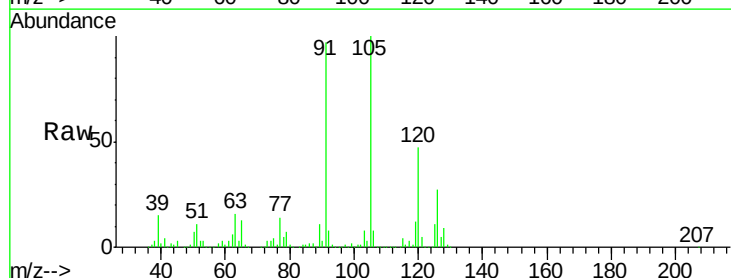
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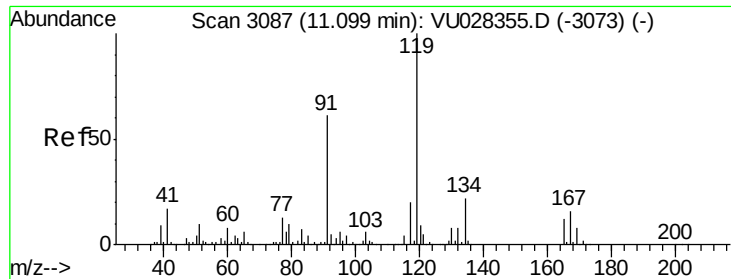
MMDadoda
12/6/2018 4:53:28 PM



#82
4-Chlorotoluene
Concen: 51.092 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
91	100		
126	28.4	13.9	41.6





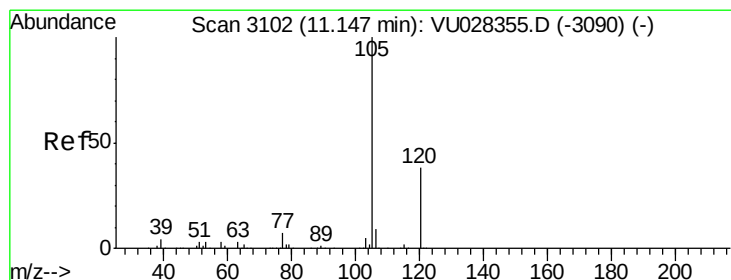
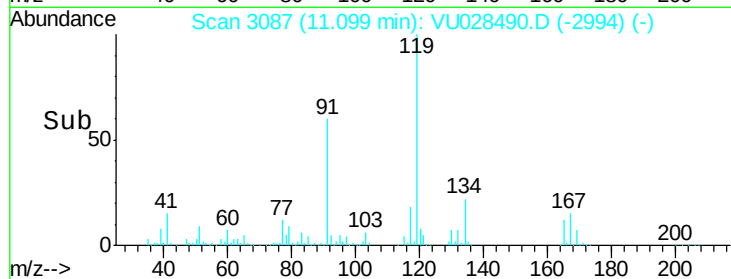
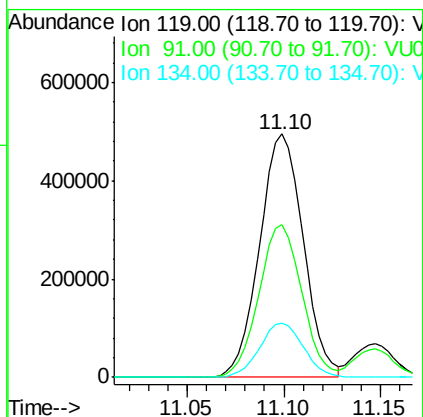
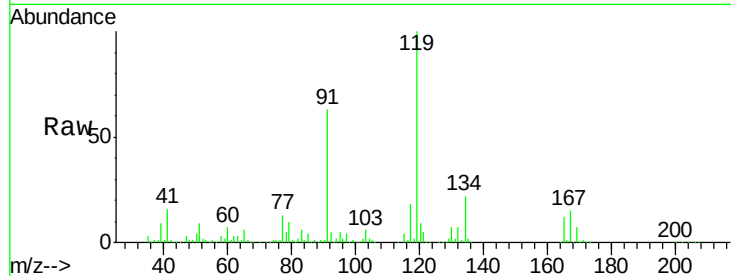
#83
 tert-Butylbenzene
 Concen: 51.637 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	778415		
91	61.7	30.8	92.4	
134	22.3	11.1	33.1	

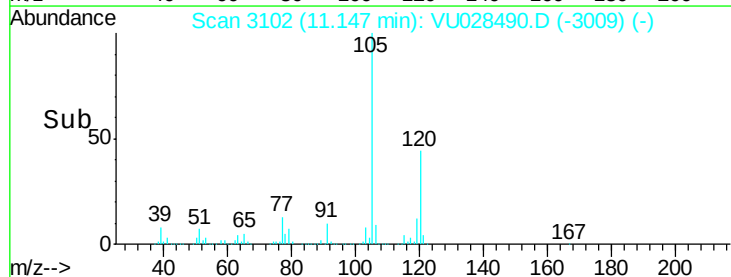
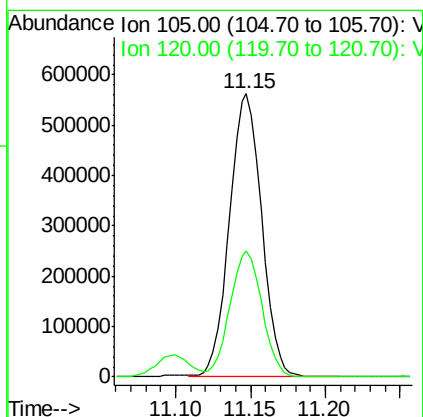
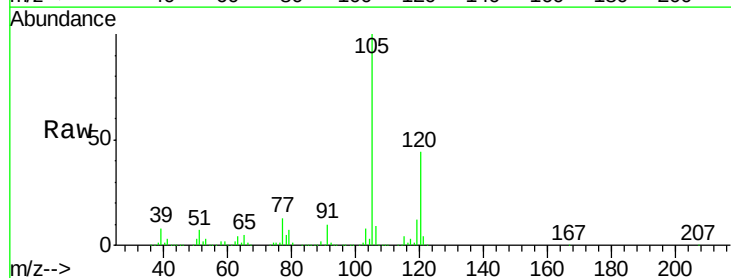
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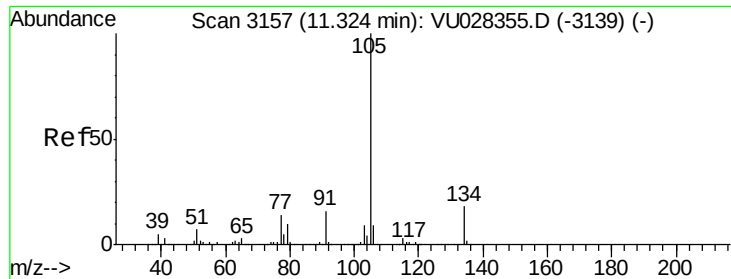
MMDadoda
 12/6/2018 4:53:28 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.342 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	840941		
120	44.6	21.4	64.3	





#85

sec-Butylbenzene

Concen: 51.926 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 1016699

Ion Ratio Lower Upper

105 100

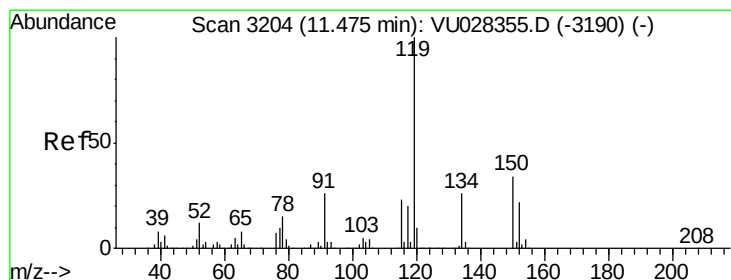
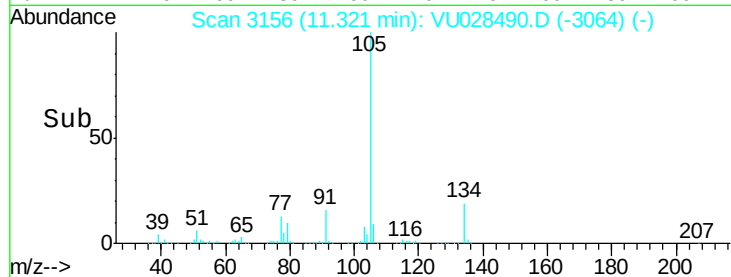
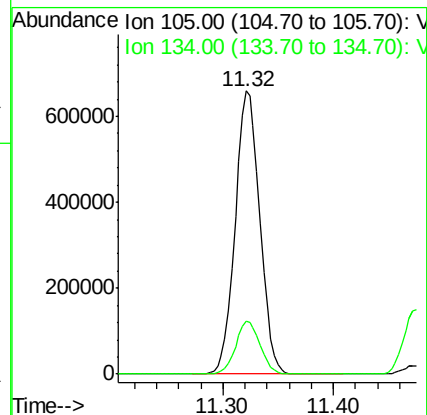
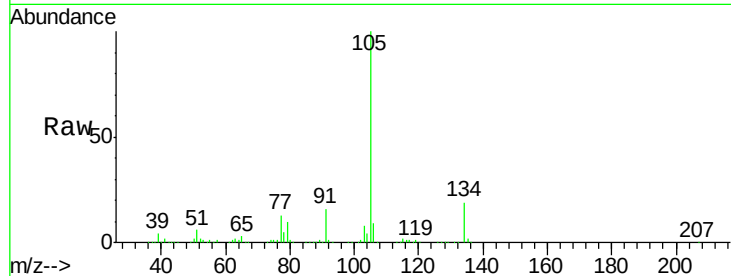
134 18.5 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.789 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

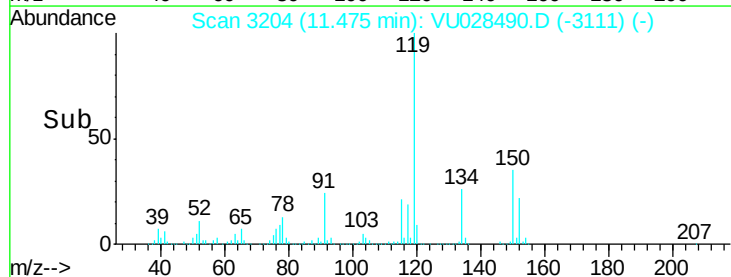
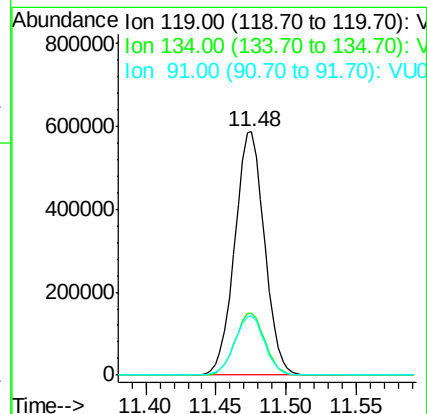
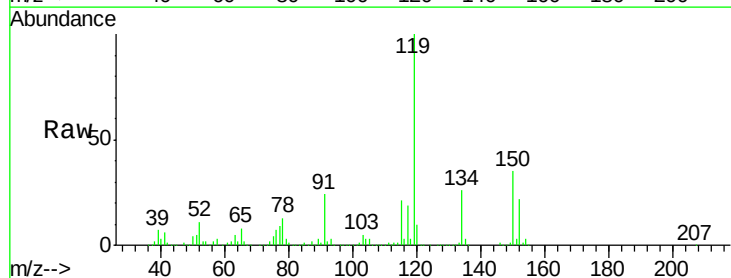
Tgt Ion:119 Resp: 865978

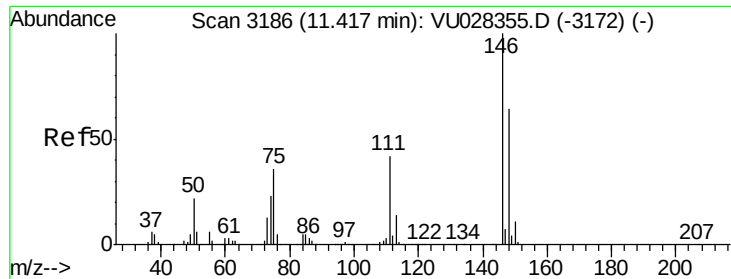
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.5 13.1 39.1





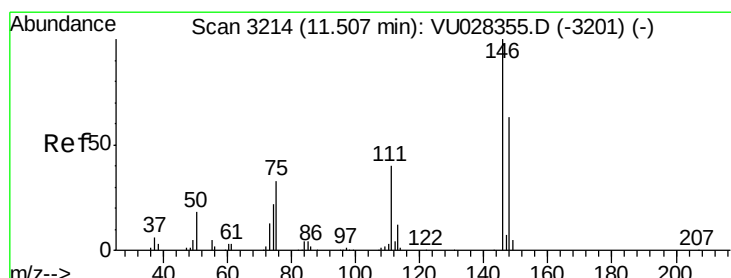
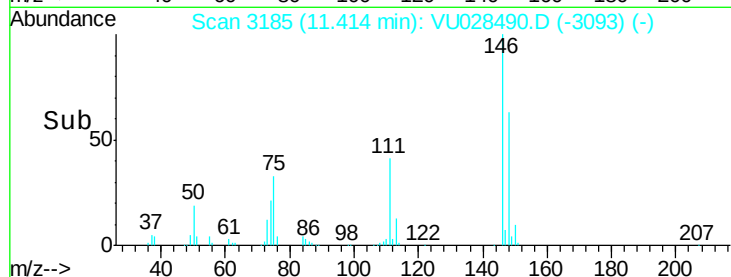
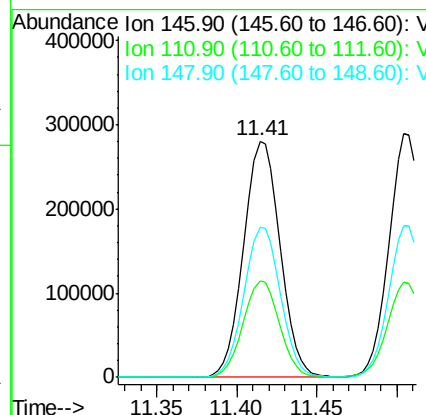
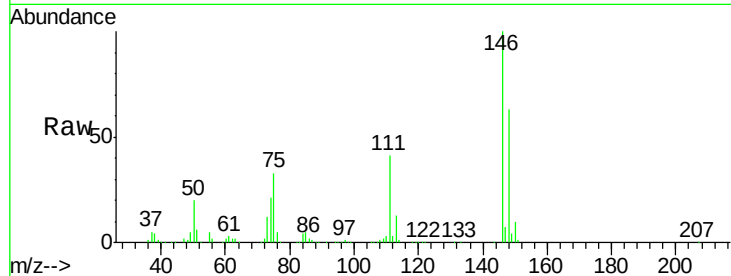
#87
 1,3-Dichlorobenzene
 Concen: 52.806 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.4
148	63.8	31.8	95.3

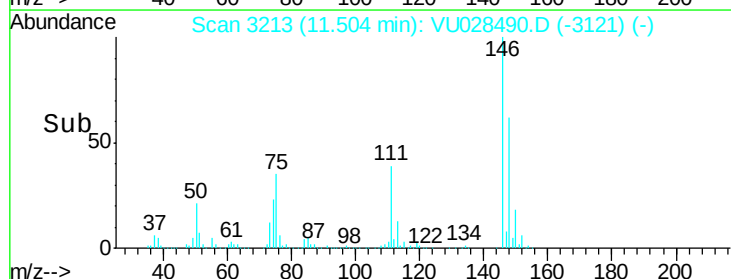
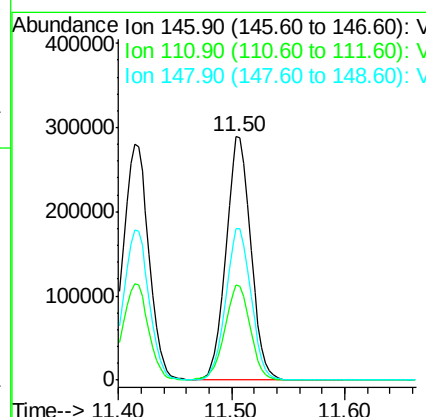
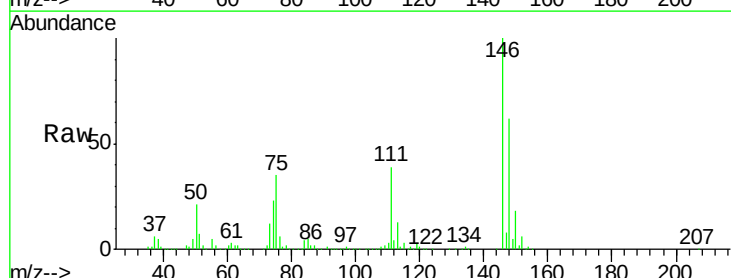
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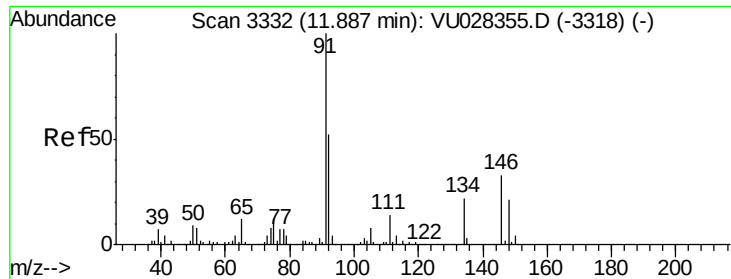
MMDadoda
 12/6/2018 4:53:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.149 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.6	61.9
148	63.4	31.1	93.5





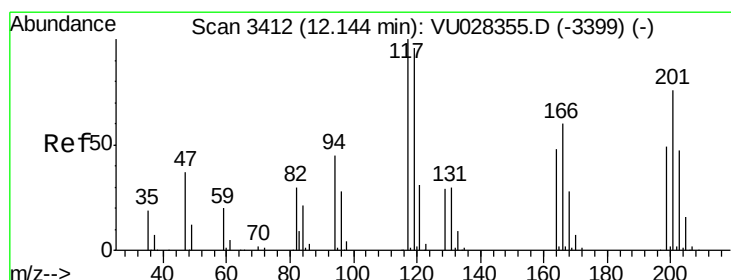
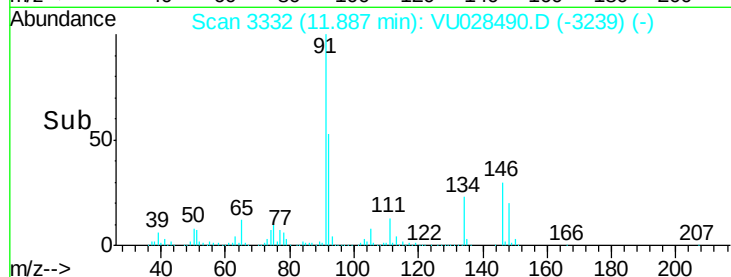
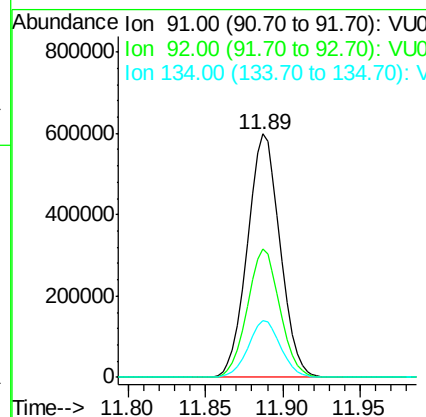
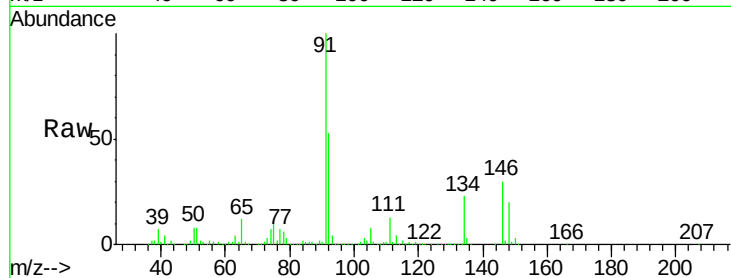
#89
n-Butylbenzene
Concen: 55.366 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	23.1	11.1	33.1

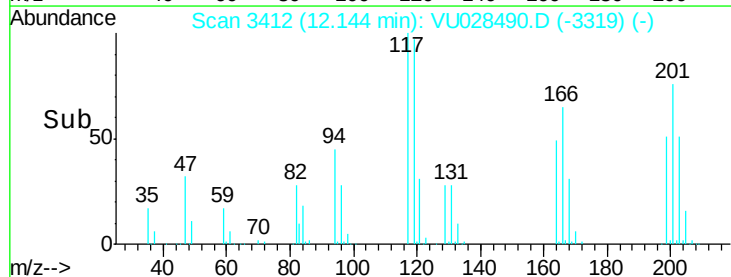
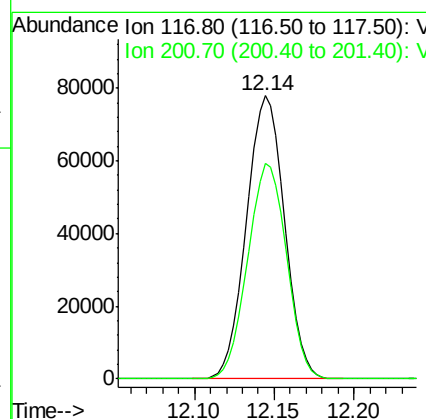
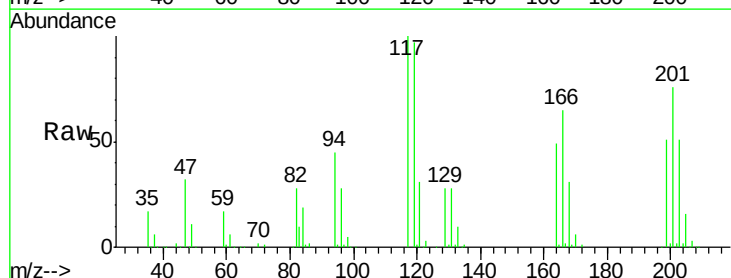
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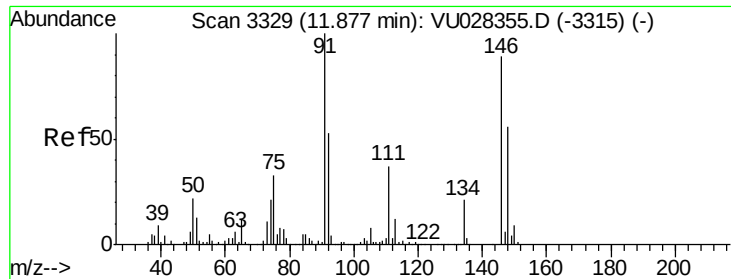
MMDadoda
12/6/2018 4:53:28 PM



#90
Hexachloroethane
Concen: 50.227 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.8	37.7	113.1





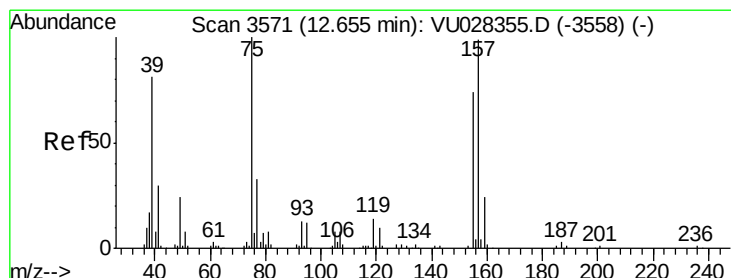
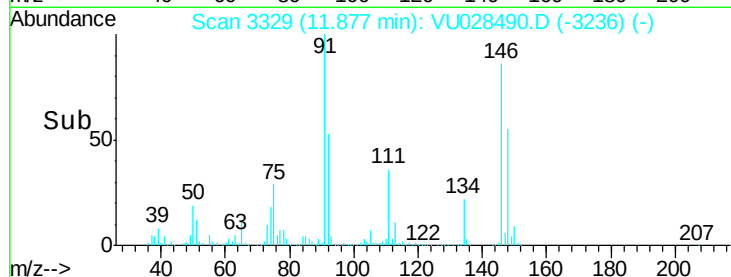
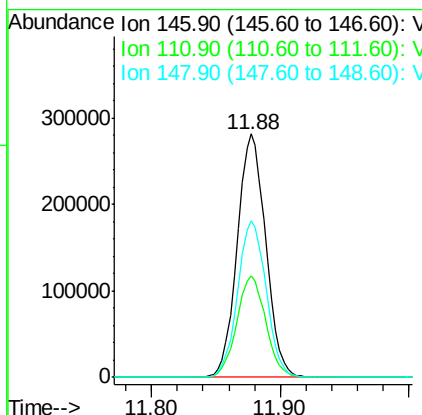
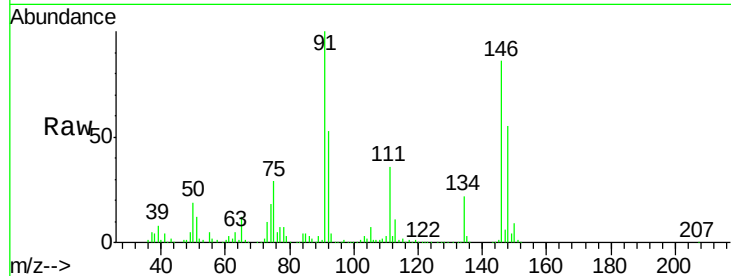
#91
 1,2-Dichlorobenzene
 Concen: 52.487 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.3
148	64.5	32.2	96.6

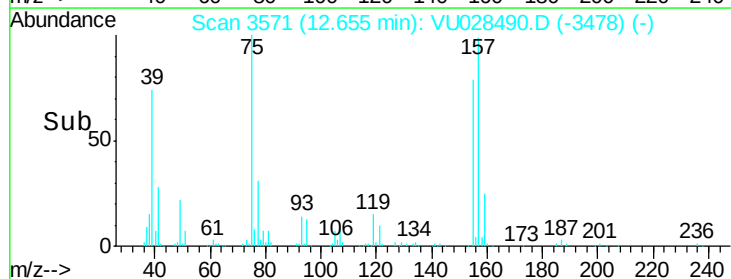
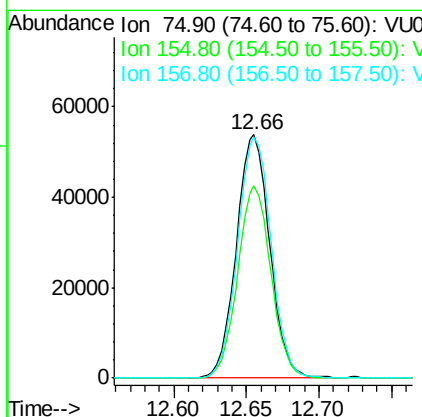
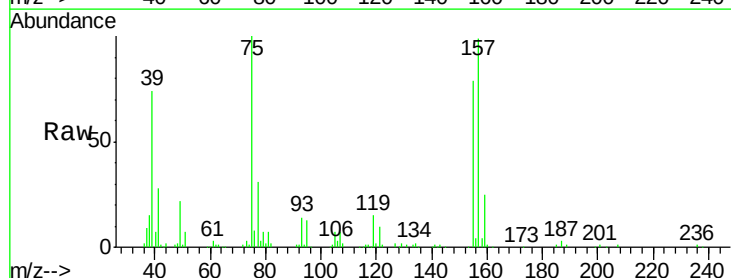
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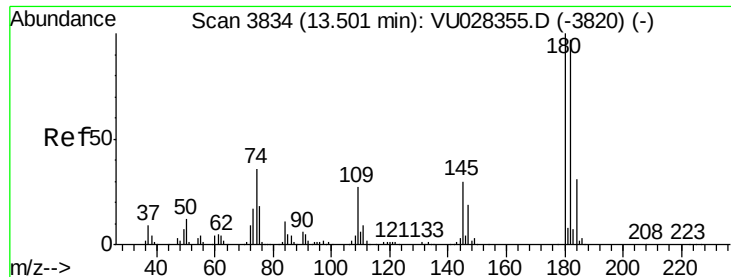
MMDadoda
 12/6/2018 4:53:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.189 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	36.9	110.7
157	99.7	47.5	142.5





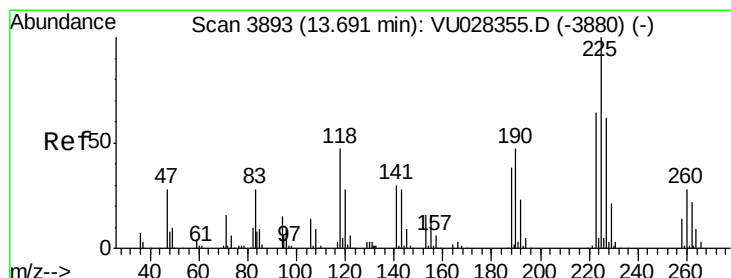
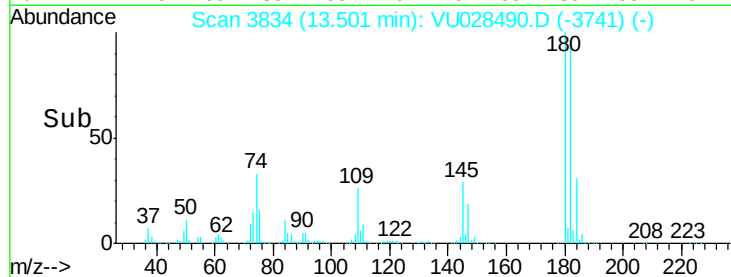
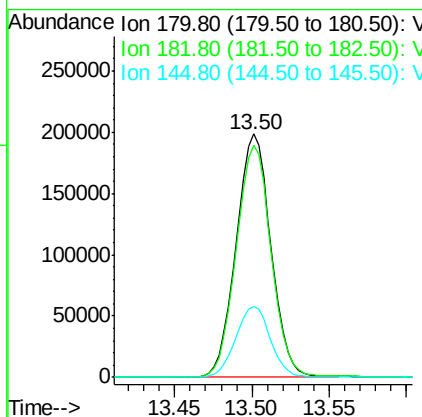
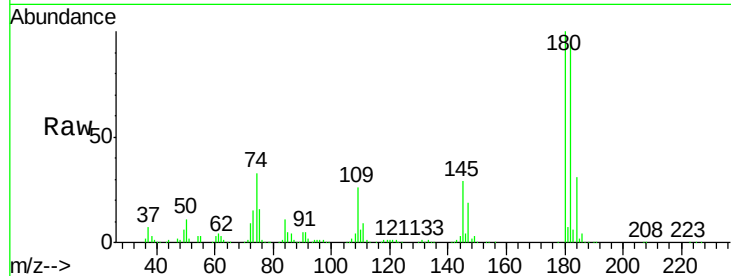
#93
 1,2,4-Trichlorobenzene
 Concen: 57.531 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	309853		
182	96.1	48.3	144.9	
145	29.2	15.2	45.5	

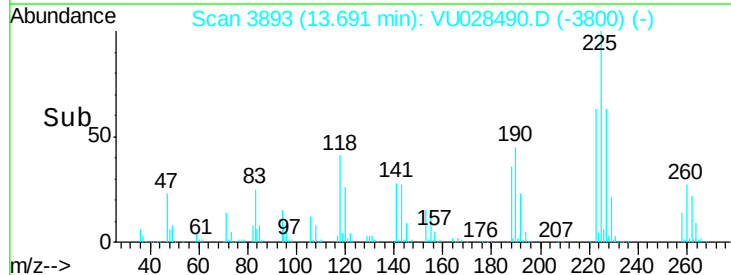
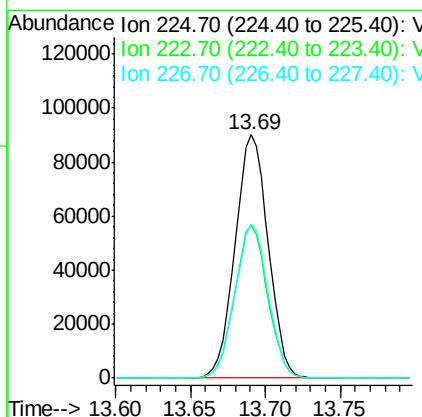
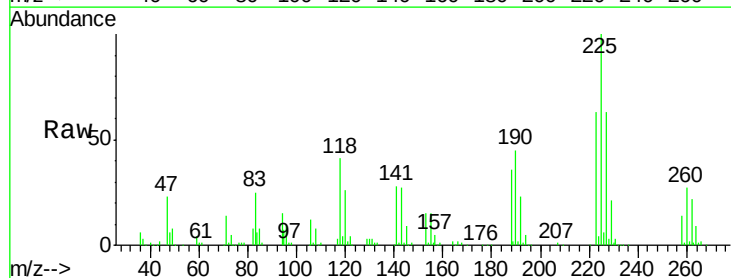
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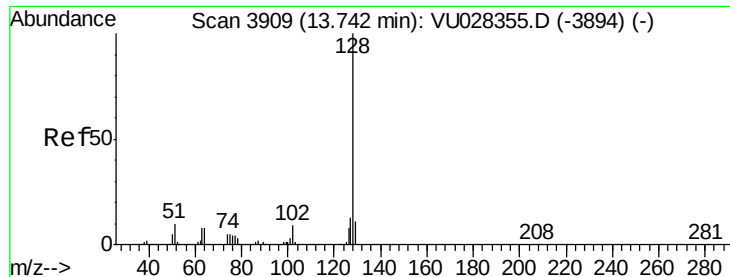
MMDadoda
 12/6/2018 4:53:28 PM



#94
 Hexachlorobutadiene
 Concen: 54.475 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138540		
223	62.6	31.6	94.7	
227	63.3	30.8	92.4	





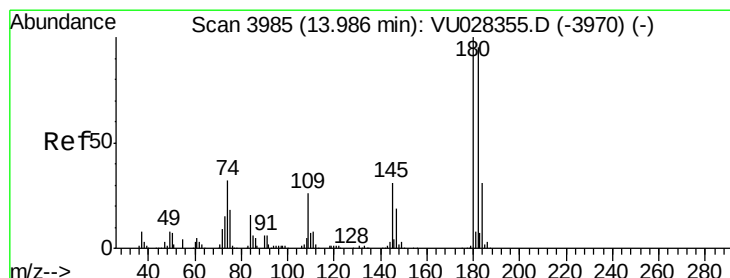
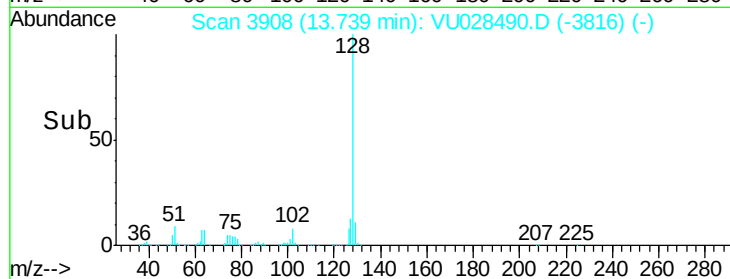
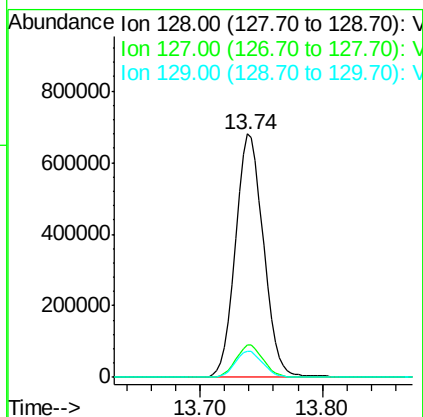
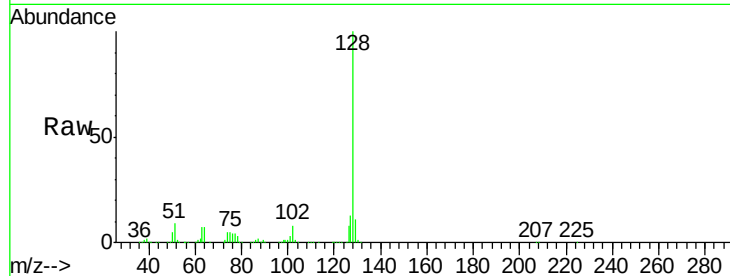
#95
Naphthalene
Concen: 51.995 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.738 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.7	143.1
145	31.1	15.7	47.1

