

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028594.D
 Acq On : 11 Dec 2018 09:18
 Operator : MD/SY
 Sample : J6305-05MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 3:02:31 PM

Quant Time: Dec 11 13:17:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	84652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	151761	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	70408	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
35) Dibromofluoromethane	4.88	113	50419	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	7.56	98	195418	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	10.30	95	73732	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	56970	50.210	ug/l	99
3) Chloromethane	1.33	50	98965	47.442	ug/l	99
4) Vinyl Chloride	1.40	62	75045	49.850	ug/l	99
5) Bromomethane	1.60	94	31805	52.448	ug/l	98
6) Chloroethane	1.68	64	42849	50.277	ug/l	100
7) Trichlorofluoromethane	1.88	101	88919	56.141	ug/l	98
8) Diethyl Ether	2.10	74	36033	48.626	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	45762	48.310	ug/l	98
10) Methyl Iodide	2.41	142	42659	57.394	ug/l	99
11) Tert butyl alcohol	2.83	59	122404	425.283	ug/l	100
12) 1,1-Dichloroethene	2.28	96	46714	49.564	ug/l	96
13) Acrolein	2.19	56	61732	269.048	ug/l	99
14) Allyl chloride	2.59	41	109399	49.066	ug/l	98
15) Acrylonitrile	2.93	53	264775	331.353	ug/l	100
16) Acetone	2.32	43	375040	444.894	ug/l	99
17) Carbon Disulfide	2.48	76	161824	47.660	ug/l	99
18) Methyl Acetate	2.61	43	250836	114.786	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	185416	51.895	ug/l	100
20) Methylene Chloride	2.70	84	59864	48.173	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	51263	48.308	ug/l	97
22) Diisopropyl ether	3.57	45	231840	53.470	ug/l	98
23) Vinyl Acetate	3.52	43	879398	245.886	ug/l	99
24) 1,1-Dichloroethane	3.44	63	115645	50.952	ug/l	99
25) 2-Butanone	4.26	43	422906	367.097	ug/l	98
26) 2,2-Dichloropropane	4.22	77	63881	35.521	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	59625	49.642	ug/l	99
28) Bromochloromethane	4.55	49	58462	56.661	ug/l	94
29) Tetrahydrofuran	4.63	42	273396	369.516	ug/l	97
30) Chloroform	4.67	83	102670	51.902	ug/l	95
31) Cyclohexane	4.99	56	112955	51.023	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	83251	50.673	ug/l	99
36) 1,1-Dichloropropene	5.13	75	79208	47.696	ug/l	99
37) Ethyl Acetate	4.38	43	126361	58.860	ug/l	99
38) Carbon Tetrachloride	5.13	117	65603	49.011	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028594.D
 Acq On : 11 Dec 2018 09:18
 Operator : MD/SY
 Sample : J6305-05MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 3:02:31 PM

Quant Time: Dec 11 13:17:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	89520	44.185	ug/l	99
40) Benzene	5.39	78	252951	51.716	ug/l	97
41) Methacrylonitrile	4.54	41	74899	63.707	ug/l	98
42) 1,2-Dichloroethane	5.40	62	86833	50.718	ug/l	99
43) Isopropyl Acetate	5.55	43	192718	56.756	ug/l	99
44) Trichloroethene	6.19	130	53244	48.958	ug/l	95
45) 1,2-Dichloropropane	6.43	63	71427	51.931	ug/l	98
46) Dibromomethane	6.56	93	41207	50.494	ug/l	98
47) Bromodichloromethane	6.76	83	79165	49.851	ug/l	100
48) Methyl methacrylate	6.62	41	101738	60.249	ug/l	99
49) 1,4-Dioxane	6.61	88	37802	1417.773	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	741922	346.428	ug/l	99
52) Toluene	7.64	92	143484	49.846	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	90747	47.981	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	96217	46.890	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	58118	51.077	ug/l	99
56) Ethyl methacrylate	8.02	69	106848	54.835	ug/l	97
57) 1,3-Dichloropropane	8.24	76	107674	50.977	ug/l	99
59) 2-Hexanone	8.36	43	611080	359.994	ug/l	100
60) Dibromochloromethane	8.48	129	56136	50.390	ug/l	97
61) 1,2-Dibromoethane	8.58	107	62426	52.317	ug/l	99
64) Tetrachloroethene	8.23	164	43186	45.728	ug/l	97
65) Chlorobenzene	9.12	112	144969	48.050	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	50136	52.039	ug/l	99
67) Ethyl Benzene	9.25	91	277357	50.008	ug/l	99
68) m/p-Xylenes	9.37	106	201804	99.995	ug/l	98
69) o-Xylene	9.78	106	98431	50.188	ug/l	99
70) Styrene	9.79	104	163207	50.284	ug/l	100
71) Bromoform	9.96	173	43557	53.145	ug/l #	99
73) Isopropylbenzene	10.16	105	257050	47.802	ug/l	100
74) N-amyl acetate	10.01	43	158233	51.013	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	117849	57.050	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	98275m	54.918	ug/l	
77) Bromobenzene	10.45	156	61625	49.000	ug/l	99
78) n-propylbenzene	10.58	91	318605	47.682	ug/l	100
79) 2-Chlorotoluene	10.66	91	188701	49.027	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	217839	48.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	40047m	54.970	ug/l	
82) 4-Chlorotoluene	10.77	91	217239	47.629	ug/l	100
83) tert-Butylbenzene	11.10	119	206435	48.116	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	227961	49.693	ug/l	100
85) sec-Butylbenzene	11.32	105	260453	47.254	ug/l	99
86) p-Isopropyltoluene	11.48	119	219672	46.918	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	111640	47.011	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	112910	45.955	ug/l	99
89) n-Butylbenzene	11.89	91	210268	44.375	ug/l	99
90) Hexachloroethane	12.14	117	31966	45.170	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	114764	48.313	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29999	67.079	ug/l	99
93) 1,2,4-Trichlorobenzene	13.50	180	75699	46.437	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
Data File : VU028594.D
Acq On : 11 Dec 2018 09:18
Operator : MD/SY
Sample : J6305-05MS
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM

Quant Time: Dec 11 13:17:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	32987	42.394	ug/l	97
95) Naphthalene	13.74	128	305081	53.522	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76916	47.354	ug/l	99

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

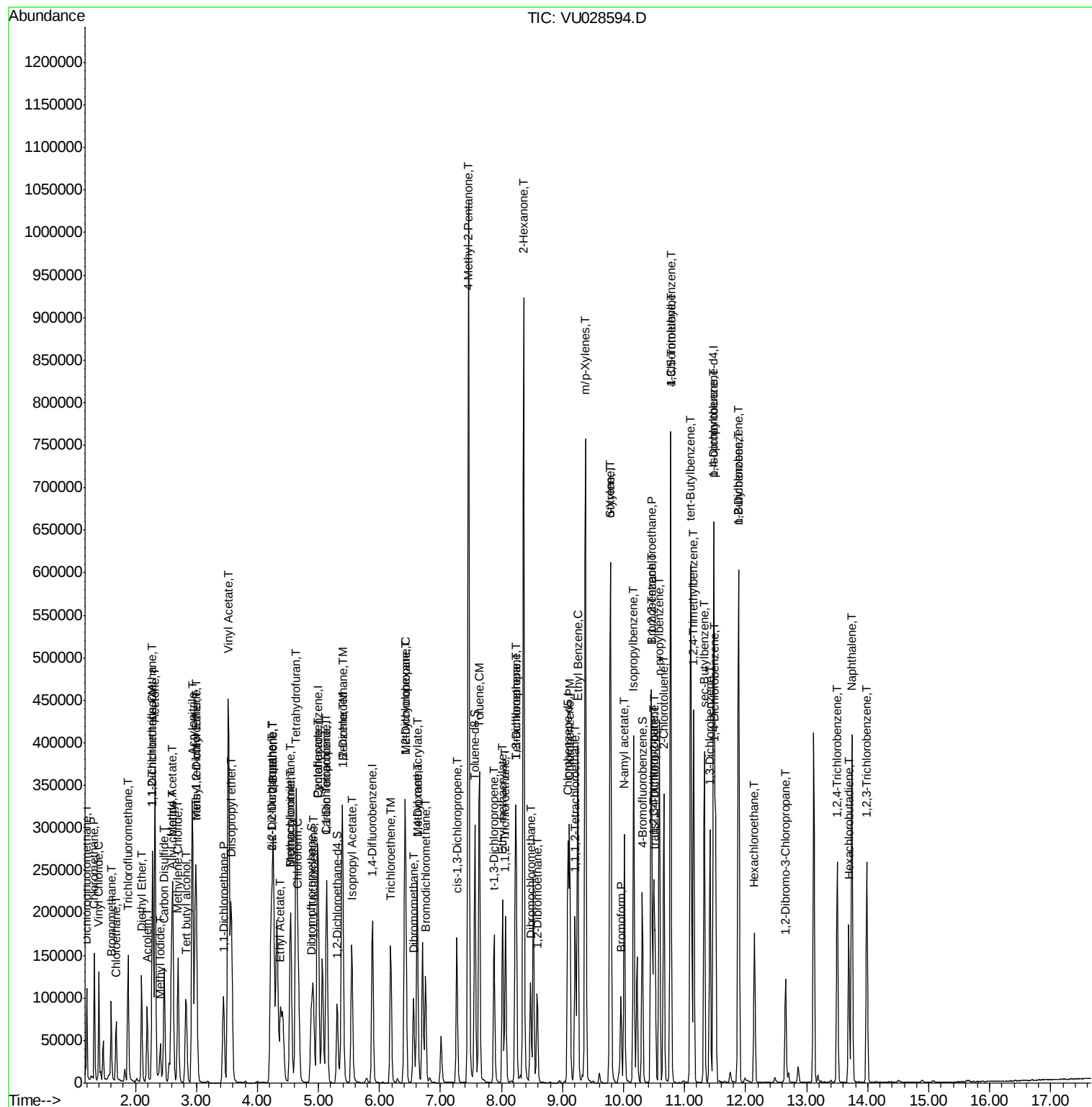
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028594.D
 Acq On : 11 Dec 2018 09:18
 Operator : MD/SY
 Sample : J6305-05MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

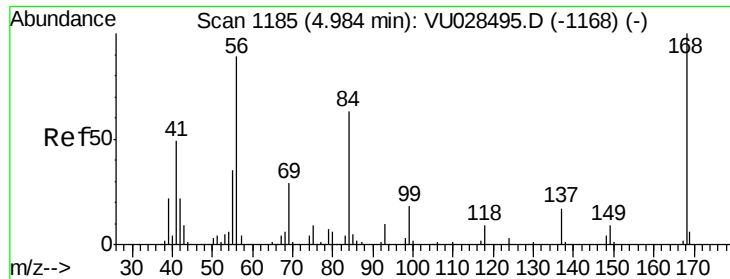
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 3:02:31 PM

Quant Time: Dec 11 13:17:54 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion:168 Resp: 84652

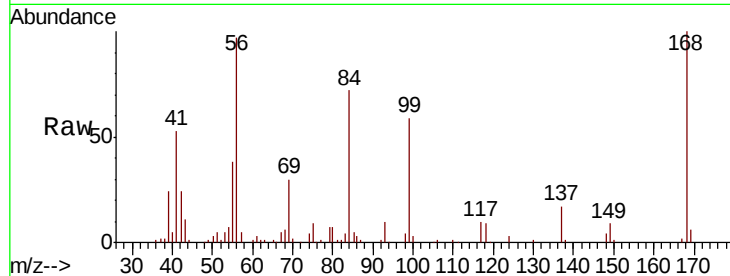
Ion Ratio Lower Upper

168 100

99 58.5 46.6 69.8

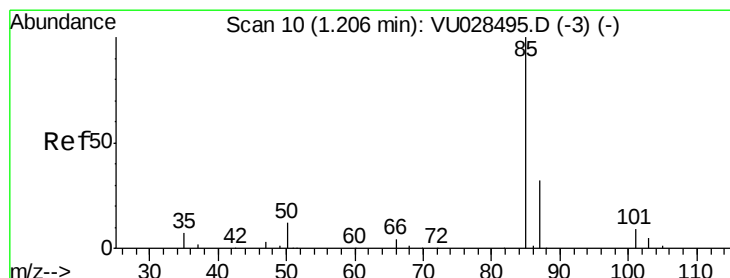
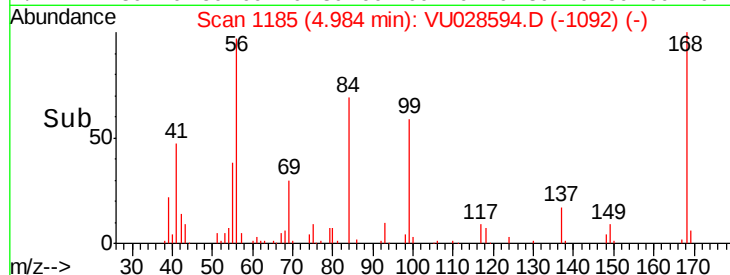
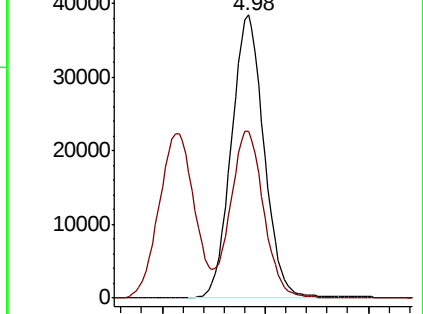
Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 50.210 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028594.D

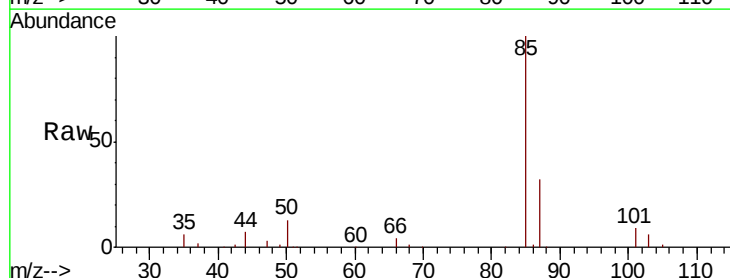
Acq: 11 Dec 2018 09:18

Tgt Ion: 85 Resp: 56970

Ion Ratio Lower Upper

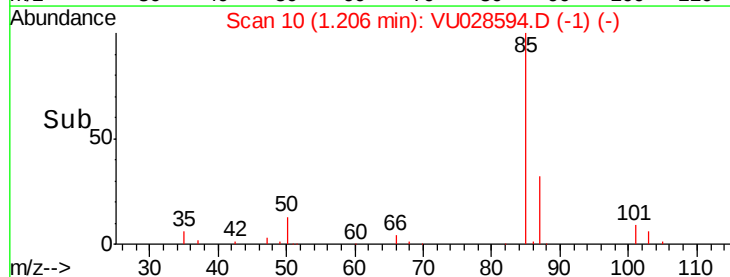
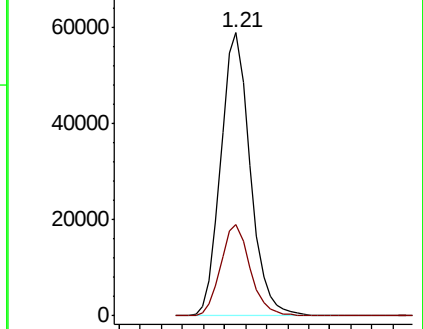
85 100

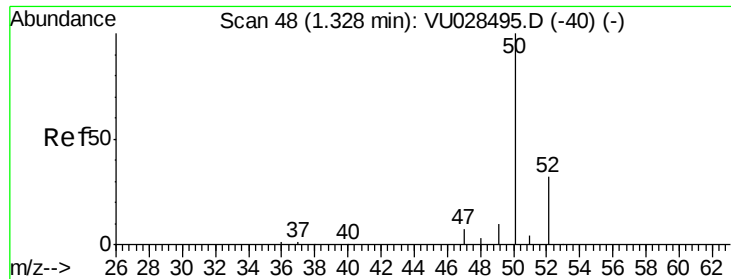
87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)





#3

Chloromethane

Concen: 47.442 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion: 50 Resp: 98965

Ion Ratio Lower Upper

50 100

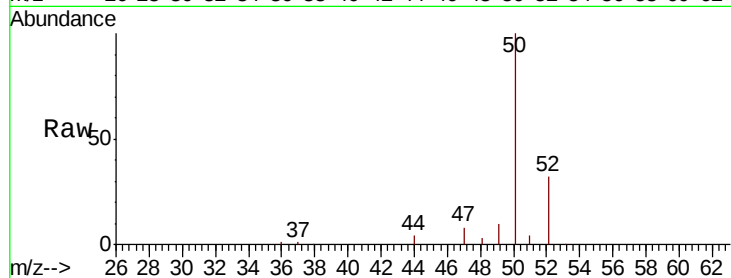
52 32.2 25.5 38.3

Manual Integrations

APPROVED

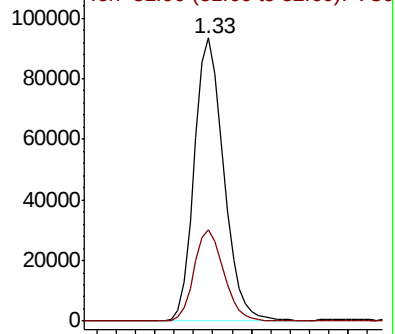
MMDadoda

12/11/2018 3:02:31 PM

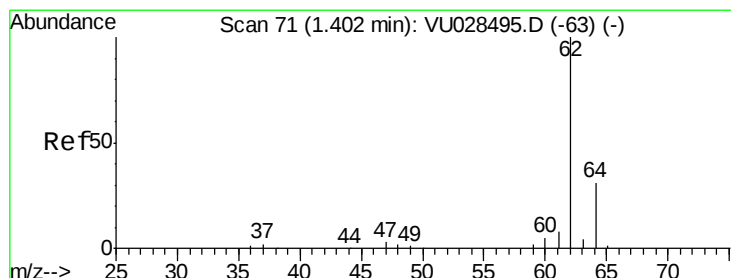
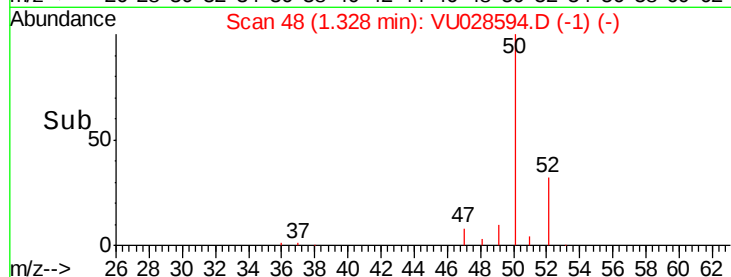


Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



Time-->



#4

Vinyl Chloride

Concen: 49.850 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028594.D

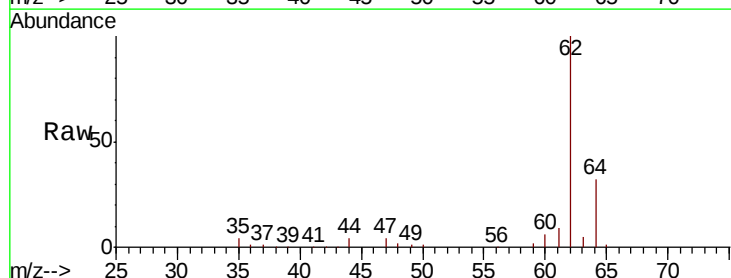
Acq: 11 Dec 2018 09:18

Tgt Ion: 62 Resp: 75045

Ion Ratio Lower Upper

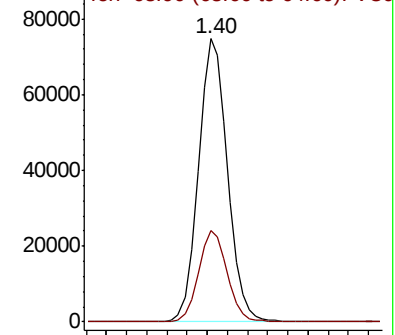
62 100

64 32.1 25.1 37.7

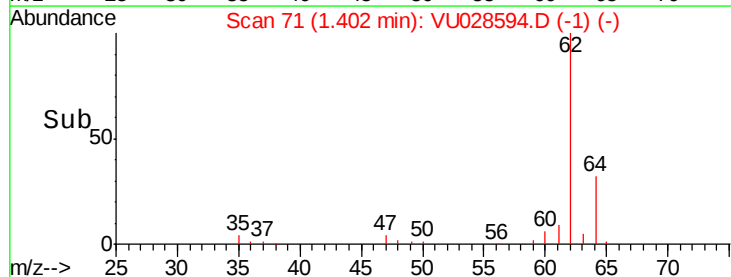


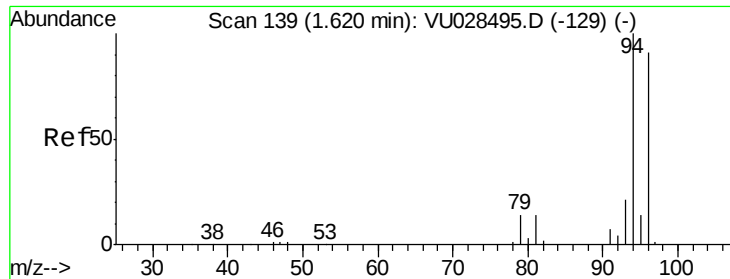
Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->





#5

Bromomethane

Concen: 52.448 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion: 94 Resp: 31805

Ion Ratio Lower Upper

94 100

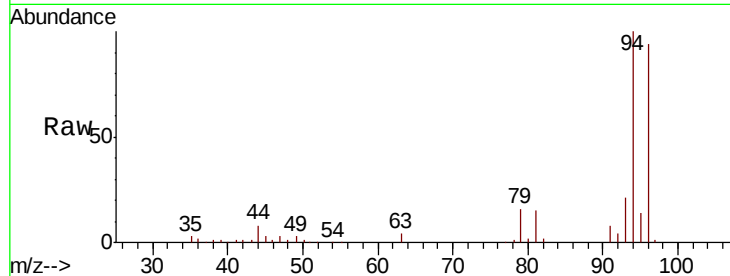
96 93.8 73.2 109.8

Manual Integrations

APPROVED

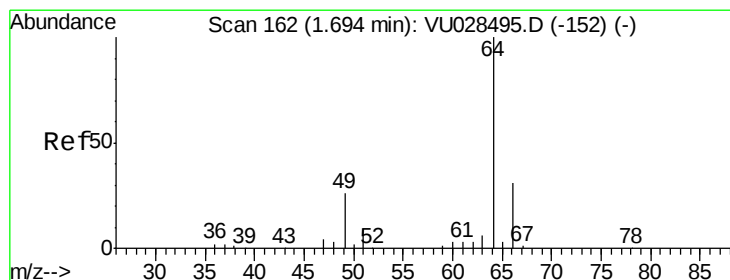
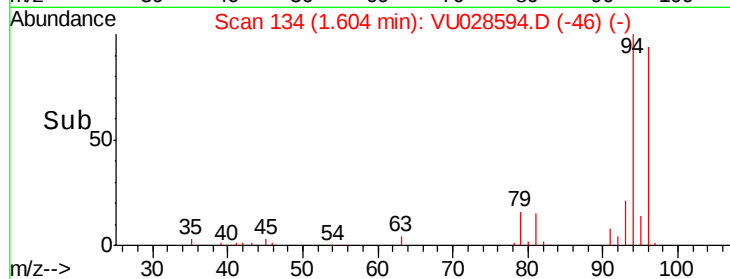
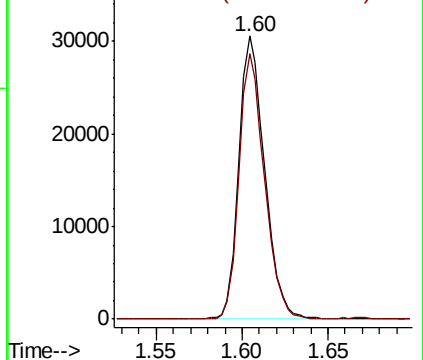
MMDadoda

12/11/2018 3:02:31 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.277 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028594.D

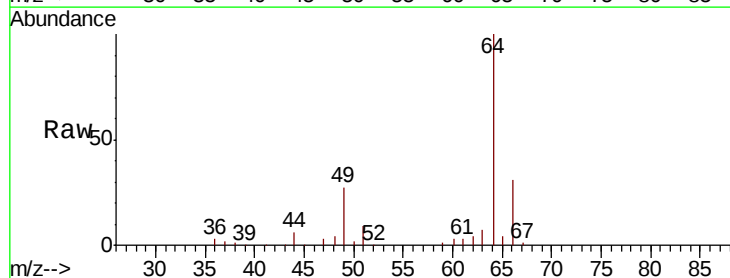
Acq: 11 Dec 2018 09:18

Tgt Ion: 64 Resp: 42849

Ion Ratio Lower Upper

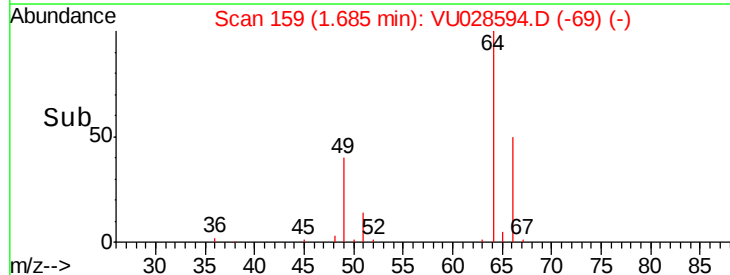
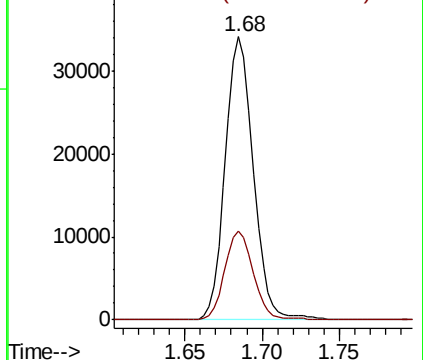
64 100

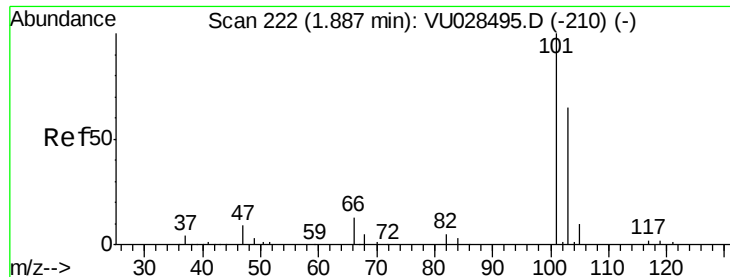
66 31.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

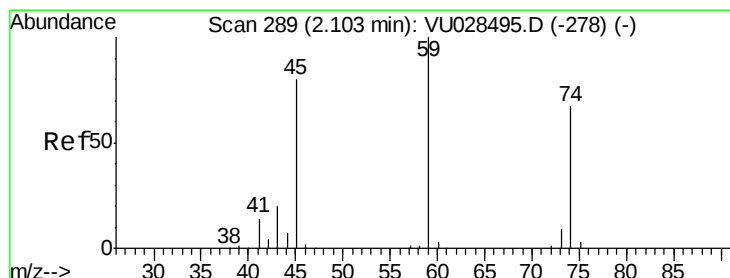
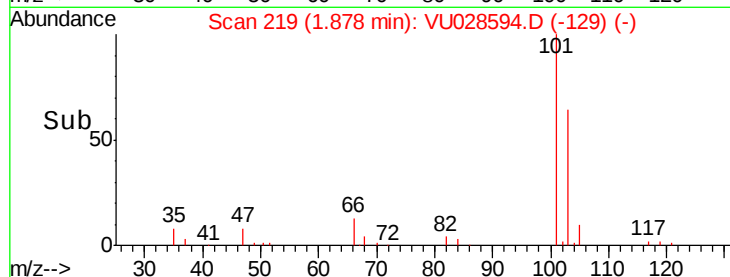
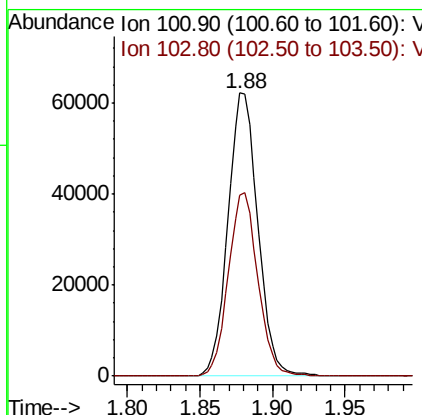
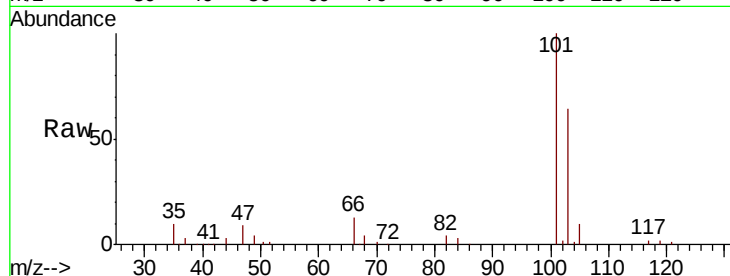
Trichlorofluoromethane
 Concen: 56.141 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion:101 Resp: 88919
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.3 78.5

Manual Integrations
 APPROVED

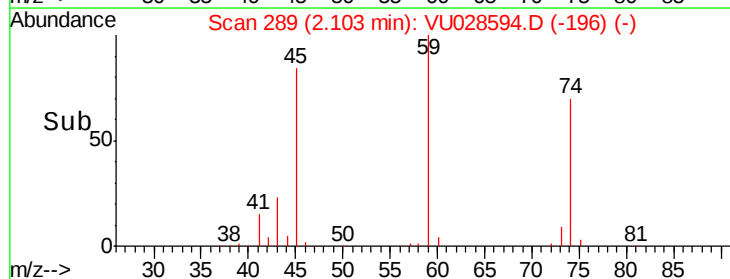
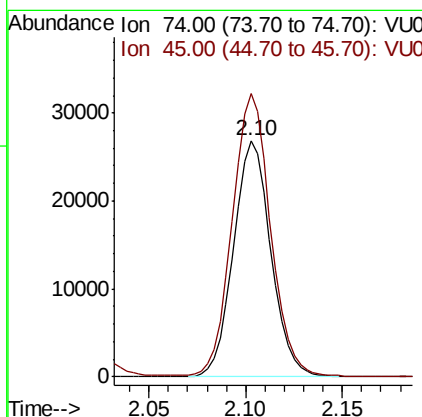
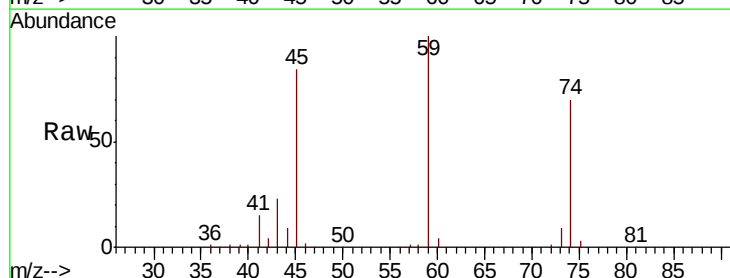
MMDadoda
 12/11/2018 3:02:31 PM

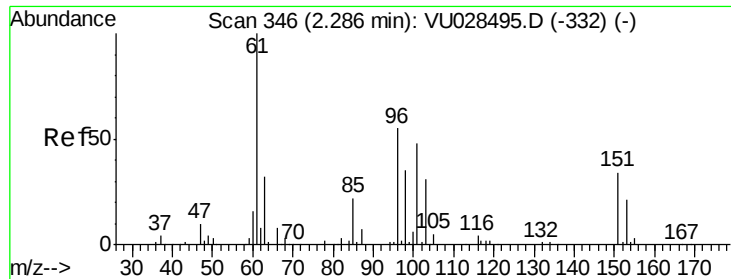


#8

Diethyl Ether
 Concen: 48.626 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion: 74 Resp: 36033
 Ion Ratio Lower Upper
 74 100
 45 123.8 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.310 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

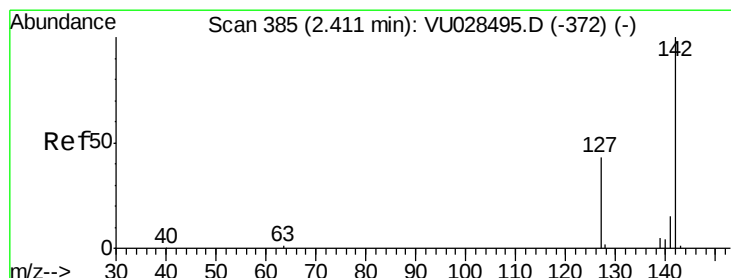
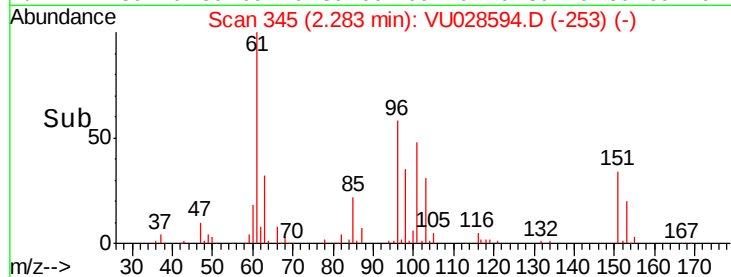
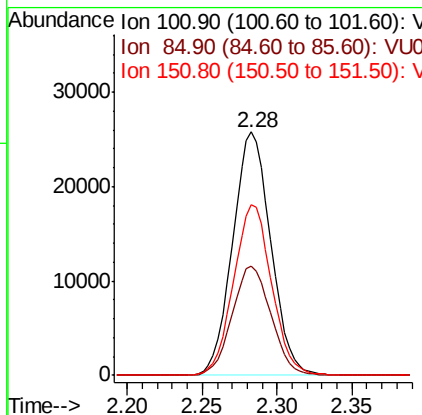
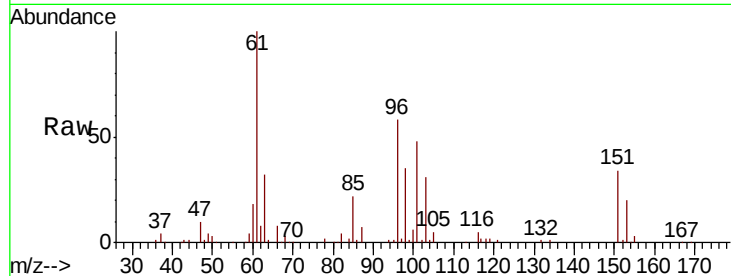
ClientSampleId :

P001-SW004-01MS

Tot Ion:	101	Resp:	45762
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.4	54.6
151	70.0	58.2	87.2

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM



#10

Methyl Iodide

Concen: 57.394 ug/l

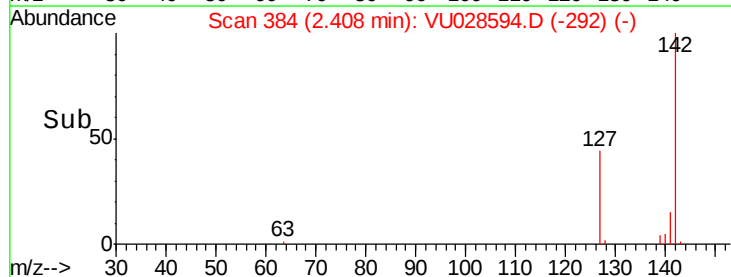
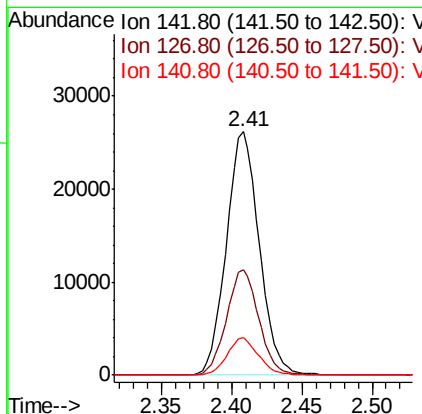
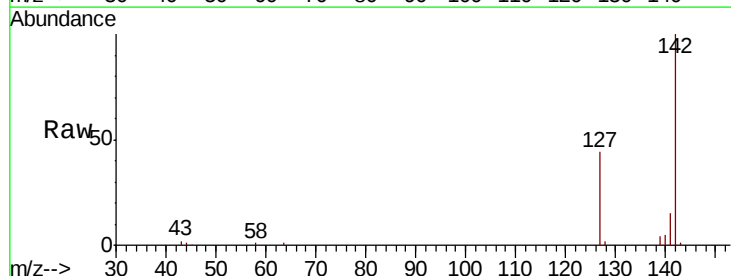
RT: 2.41 min Scan# 384

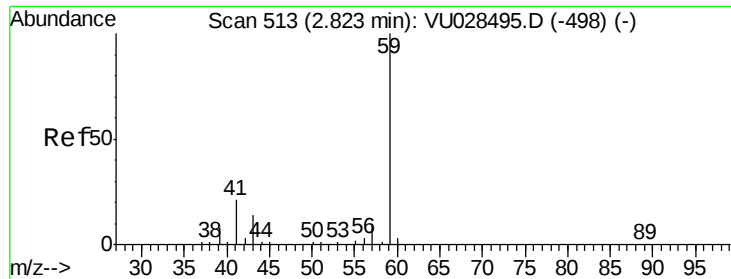
Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Tgt Ion:	142	Resp:	42659
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.5	50.3
141	14.6	11.2	16.8





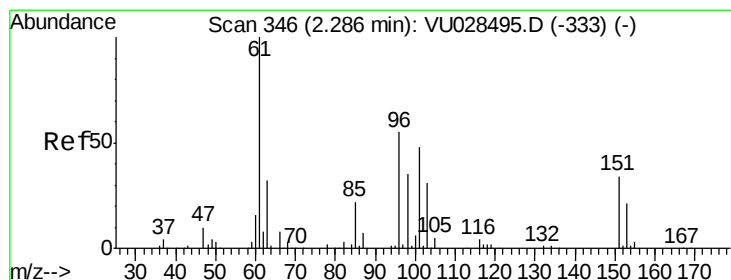
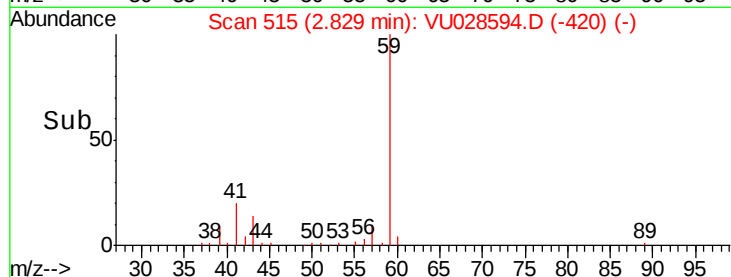
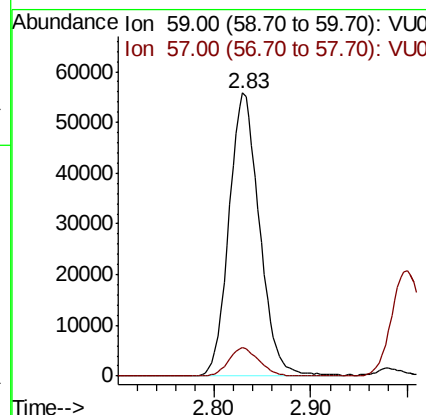
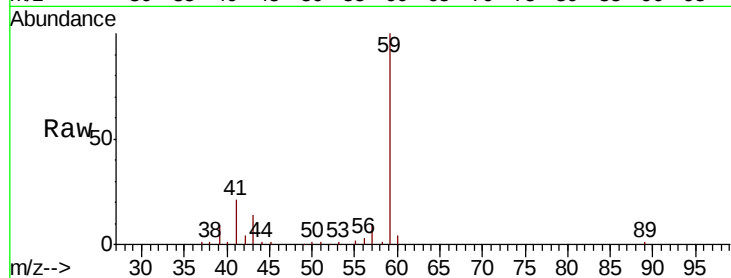
#11
Tert butyl alcohol
Concen: 425.283 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

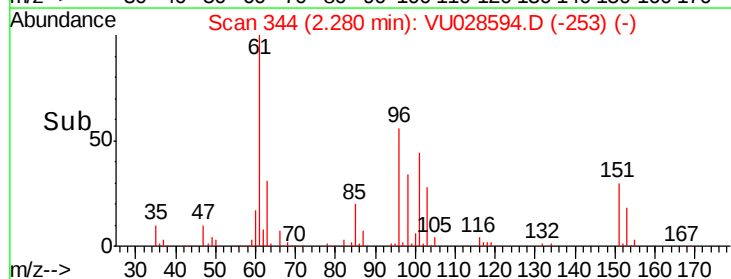
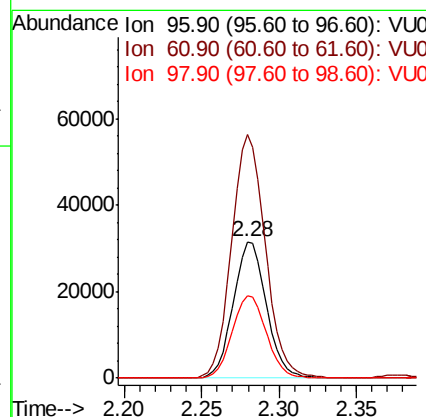
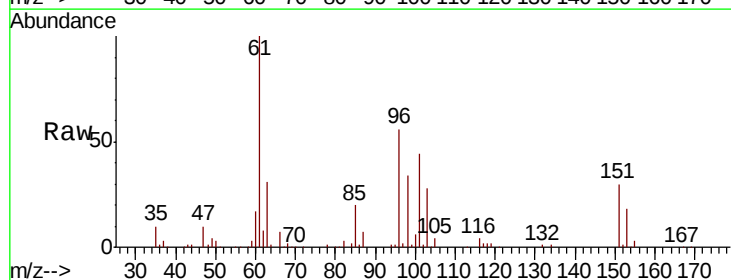
Manual Integrations
APPROVED

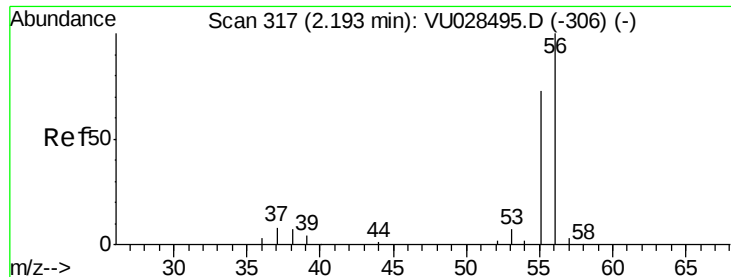
MMDadoda
12/11/2018 3:02:31 PM



#12
1,1-Dichloroethene
Concen: 49.564 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.4	146.4	219.6
98	60.6	51.8	77.8





#13

Acrolein

Concen: 269.048 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028594.D

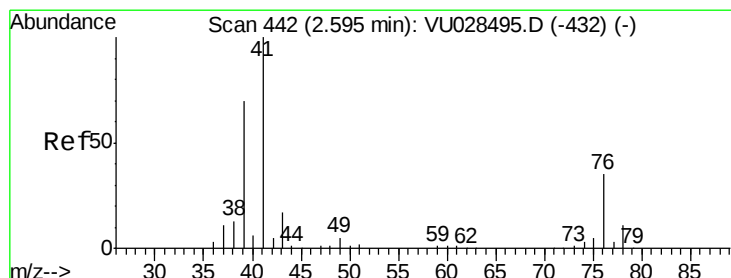
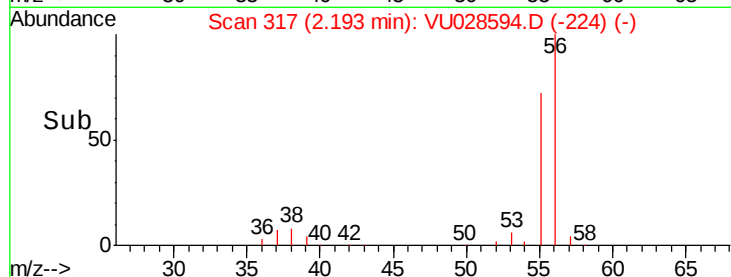
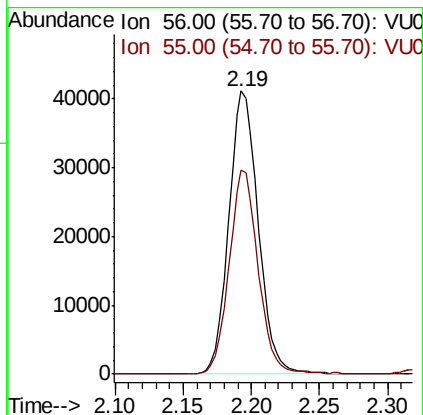
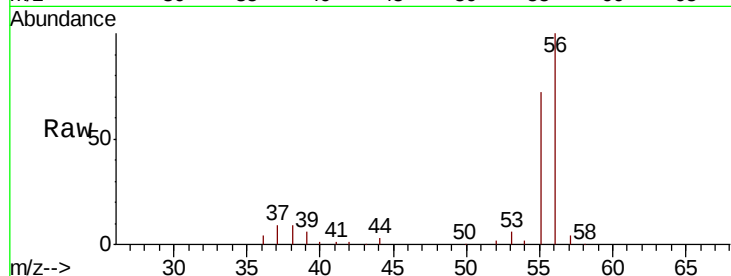
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	56	Resp	61732
Ion Ratio	100	Lower	Upper
55	70.9	57.5	86.3

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM



#14

Allyl chloride

Concen: 49.066 ug/l

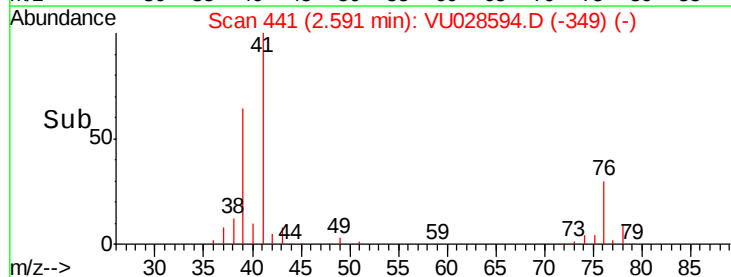
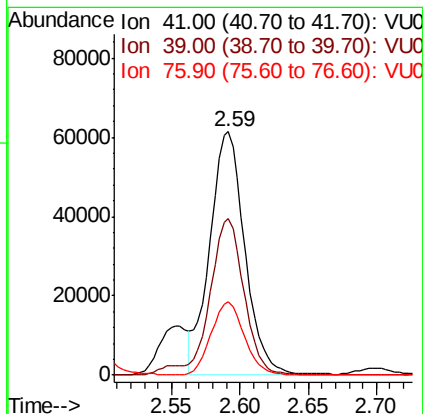
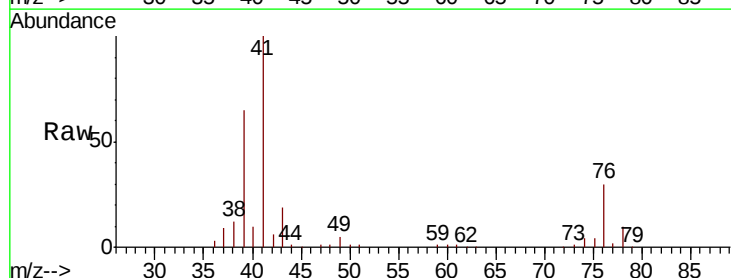
RT: 2.59 min Scan# 441

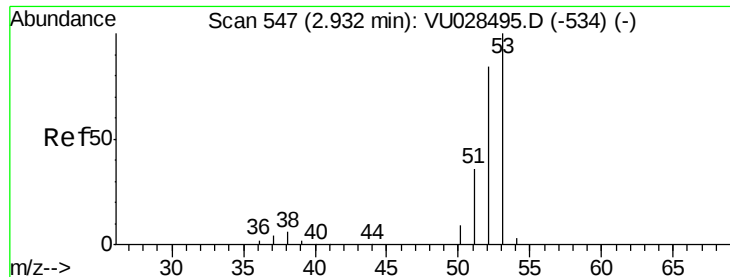
Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Tgt Ion	41	Resp	109399
Ion Ratio	100	Lower	Upper
39	64.2	50.8	76.2
76	28.7	24.8	37.2





#15

Acrylonitrile

Concen: 331.353 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

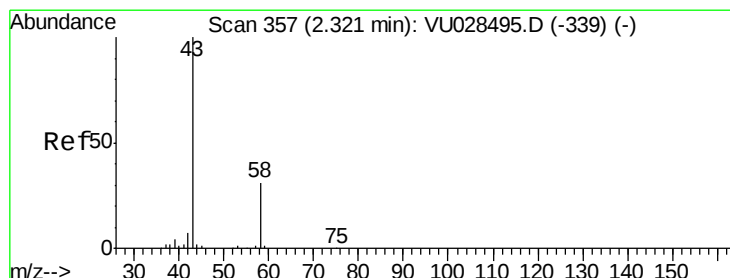
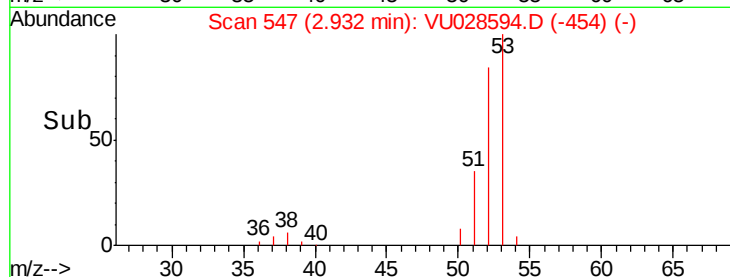
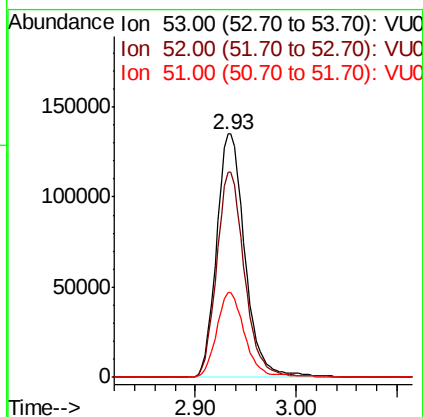
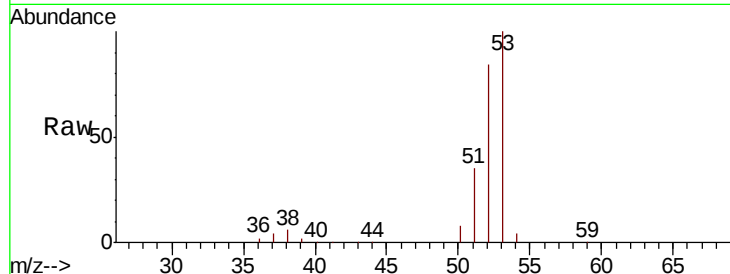
ClientSampleId :

P001-SW004-01MS

Tot Ion:	53	Resp:	264775
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.1	99.1
51	35.0	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM



#16

Acetone

Concen: 444.894 ug/l

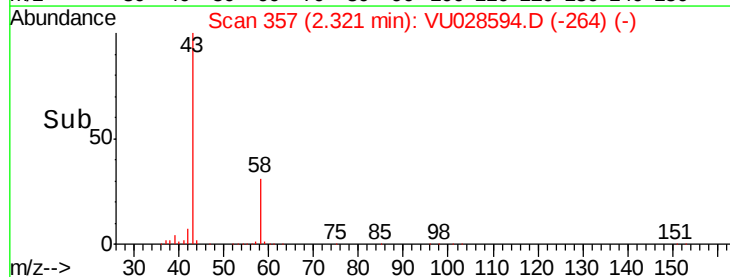
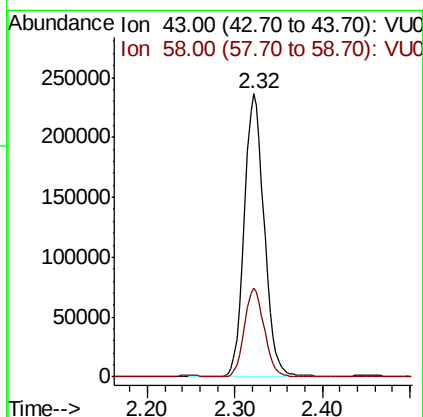
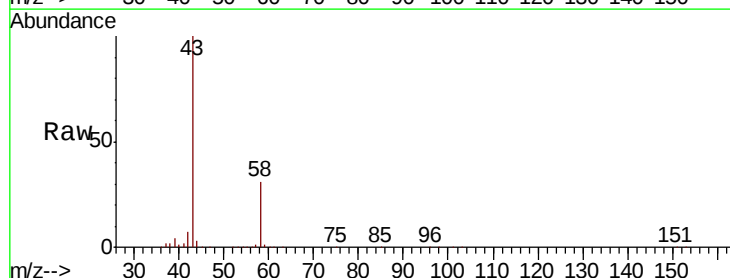
RT: 2.32 min Scan# 357

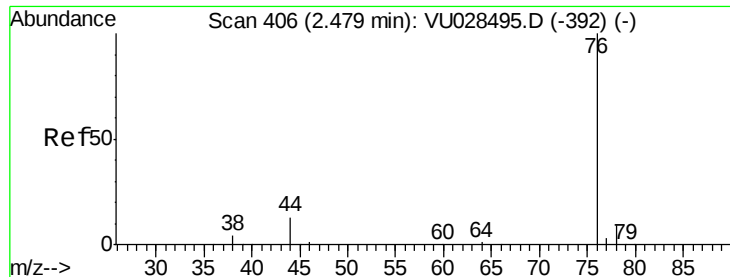
Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Tgt Ion:	43	Resp:	375040
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.6	37.0





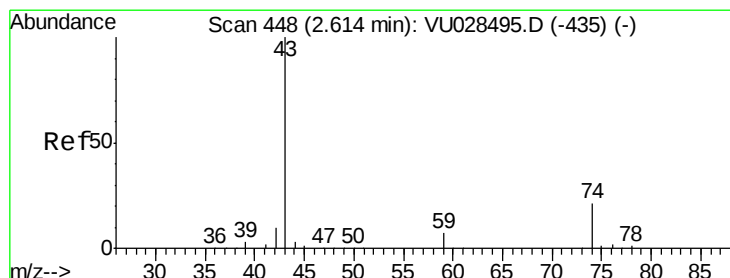
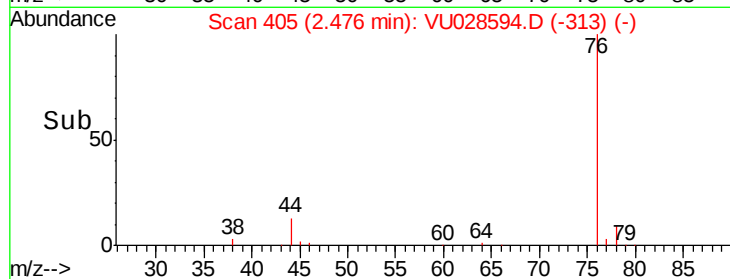
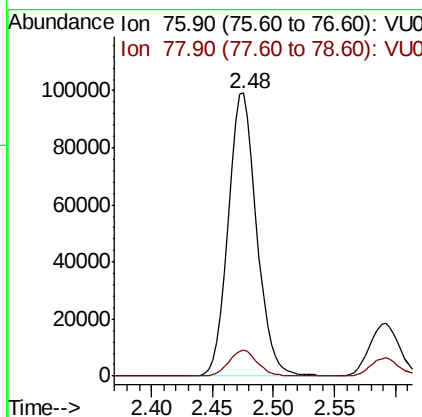
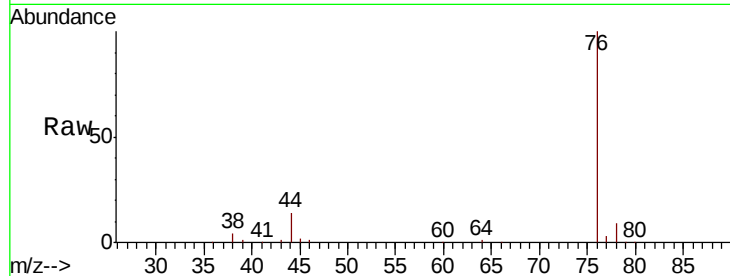
#17
Carbon Disulfide
Concen: 47.660 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion: 76 Resp: 161824
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

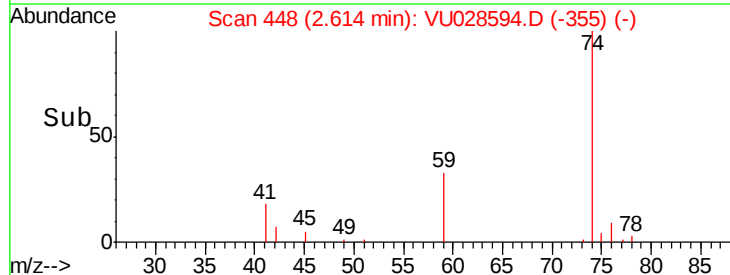
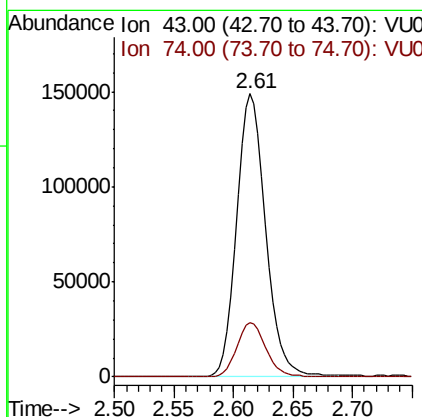
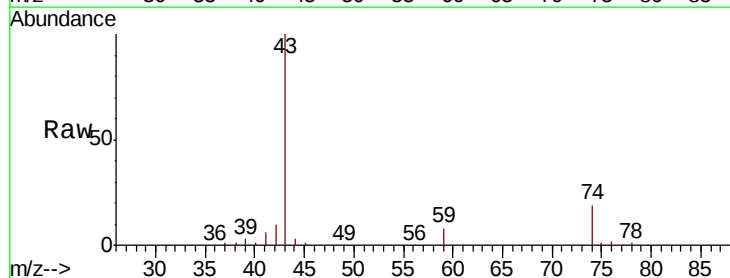
Manual Integrations
APPROVED

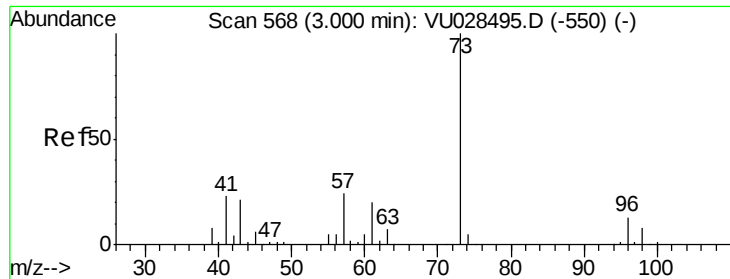
MMDadoda
12/11/2018 3:02:31 PM



#18
Methyl Acetate
Concen: 114.786 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 43 Resp: 250836
Ion Ratio Lower Upper
43 100
74 19.5 16.4 24.6





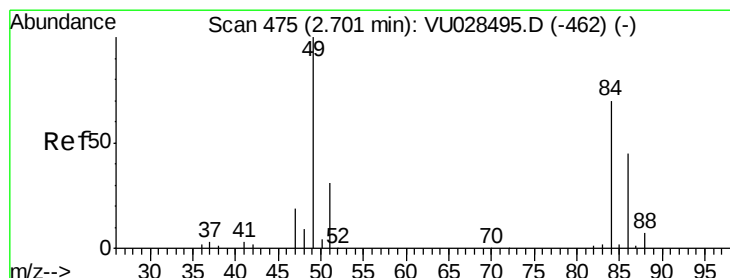
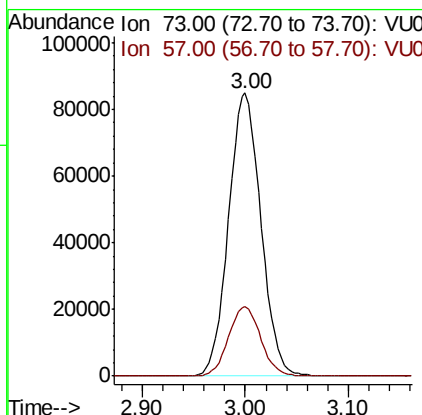
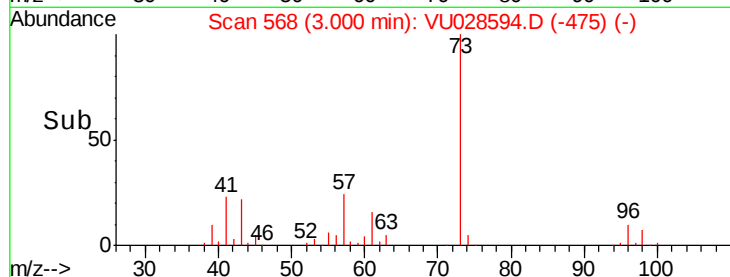
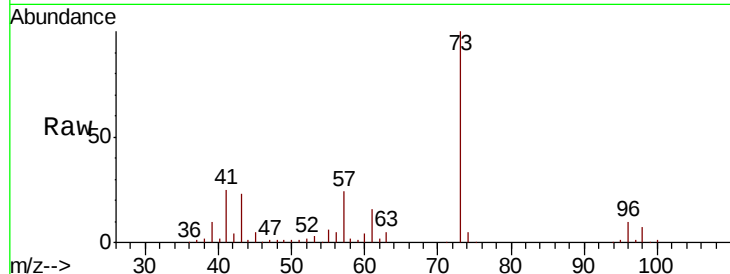
#19
Methvl tert-butvl Ether
Concen: 51.895 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion: 73 Resp: 185416
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2

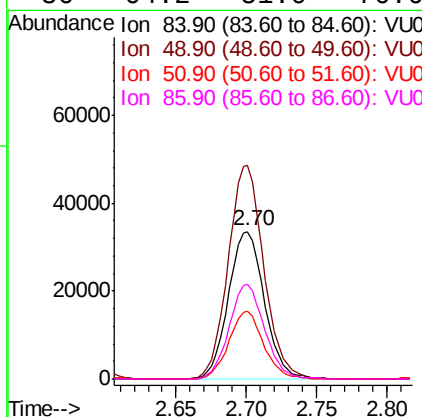
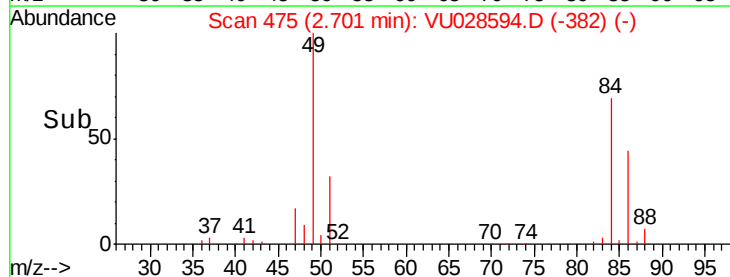
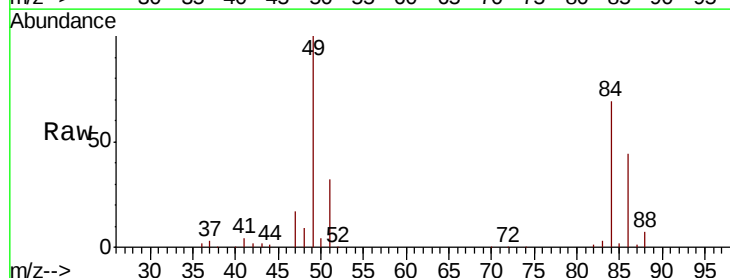
Manual Integrations
APPROVED

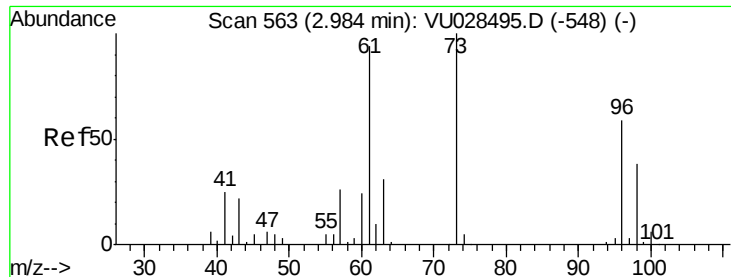
MMDadoda
12/11/2018 3:02:31 PM



#20
Methylene Chloride
Concen: 48.173 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 84 Resp: 59864
Ion Ratio Lower Upper
84 100
49 144.6 114.0 171.0
51 46.0 35.1 52.7
86 64.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.308 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion: 96 Resp: 51263

Ion Ratio Lower Upper

96 100

61 164.6 127.0 190.4

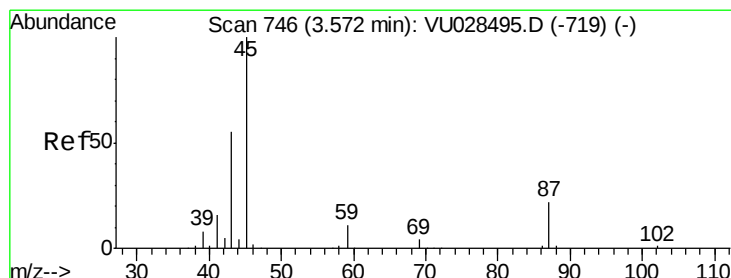
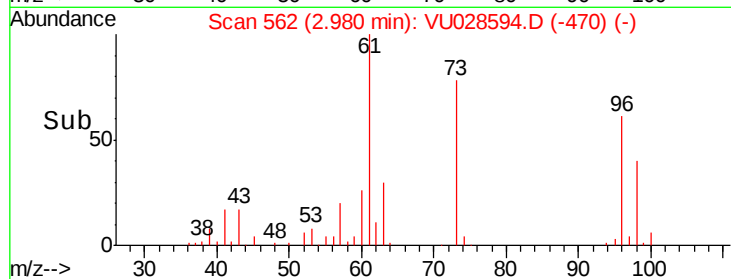
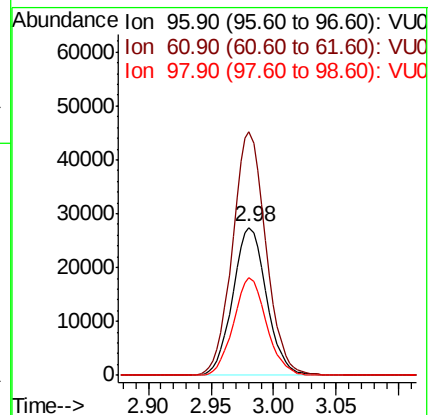
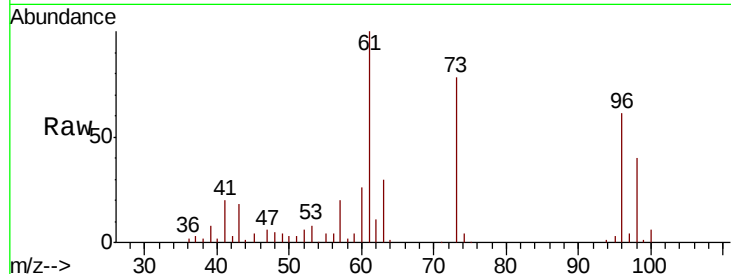
98 65.6 51.9 77.9

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:31 PM



#22

Diisopropyl ether

Concen: 53.470 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Tgt Ion: 45 Resp: 231840

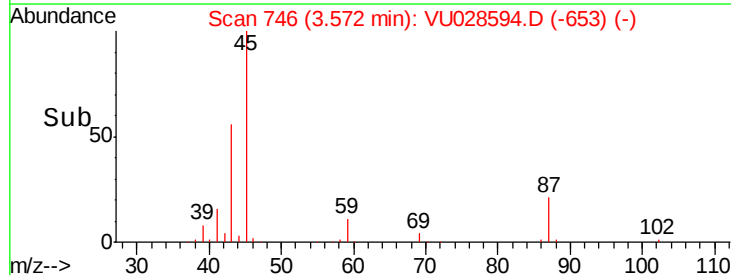
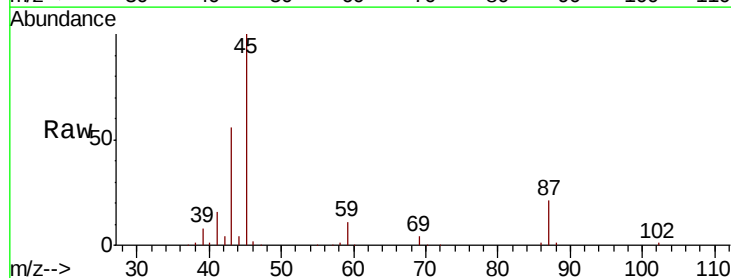
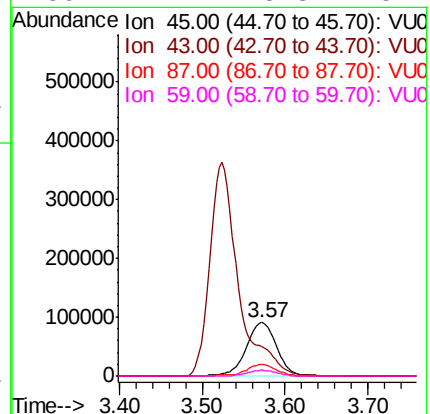
Ion Ratio Lower Upper

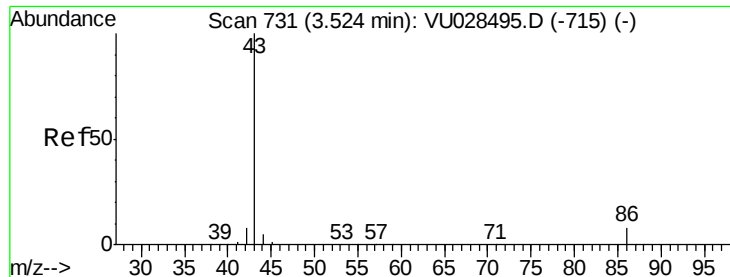
45 100

43 55.0 45.3 67.9

87 21.0 17.6 26.4

59 11.1 8.8 13.2





#23

Vinyl Acetate

Concen: 245.886 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion: 43 Resp: 879398

Ion Ratio Lower Upper

43 100

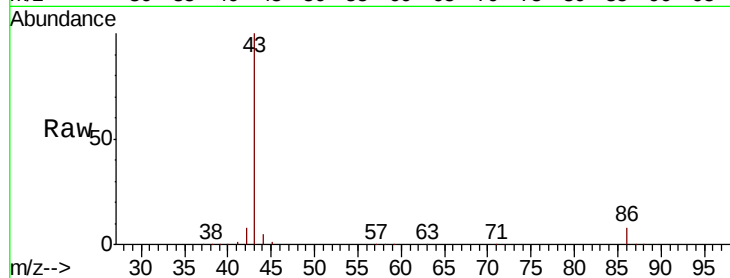
86 8.1 6.8 10.2

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-715) (-)

Ion 86.00 (85.70 to 86.70): VU028495.D (-715) (-)

3.52

400000

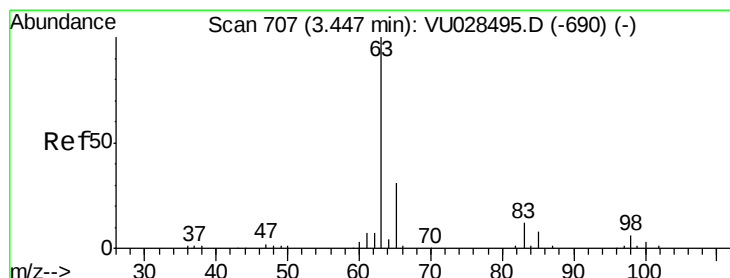
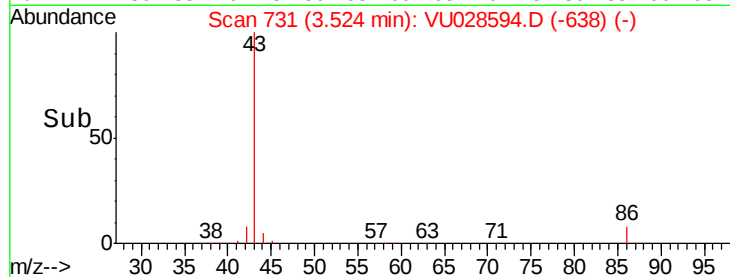
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.952 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

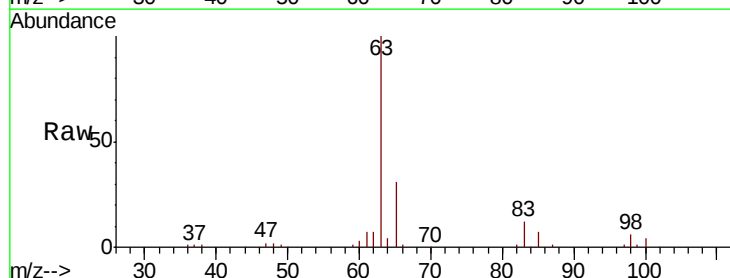
Tgt Ion: 63 Resp: 115645

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.5 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU028495.D (-690) (-)

3.44

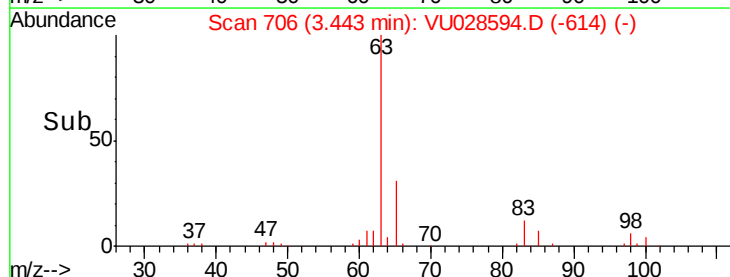
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 367.097 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion: 43 Resp: 422906

Ion Ratio Lower Upper

43 100

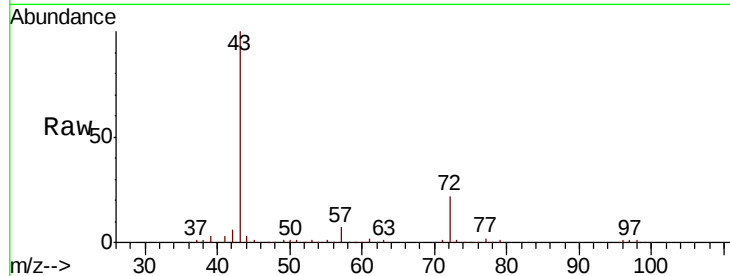
72 22.1 18.6 28.0

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

200000

150000

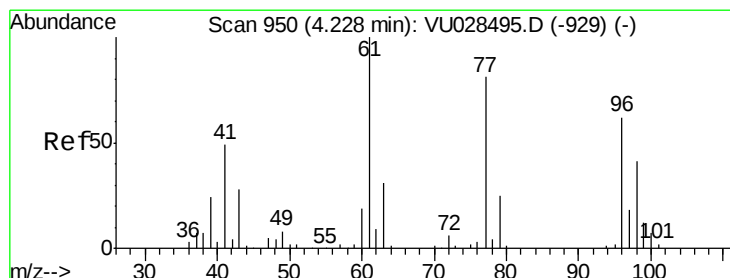
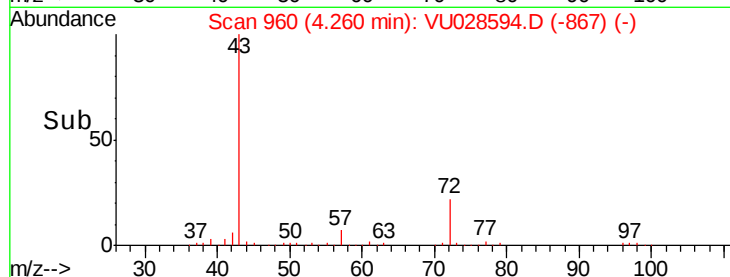
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 35.521 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028594.D

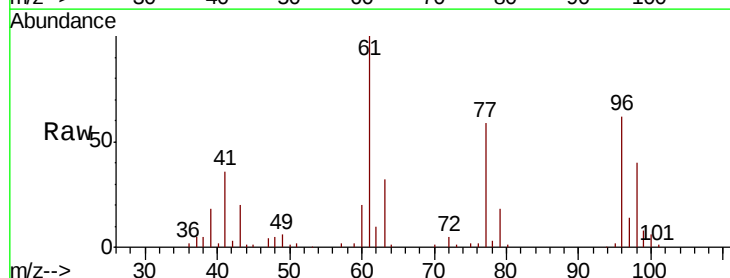
Acq: 11 Dec 2018 09:18

Tgt Ion: 77 Resp: 63881

Ion Ratio Lower Upper

77 100

97 22.9 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

25000

20000

15000

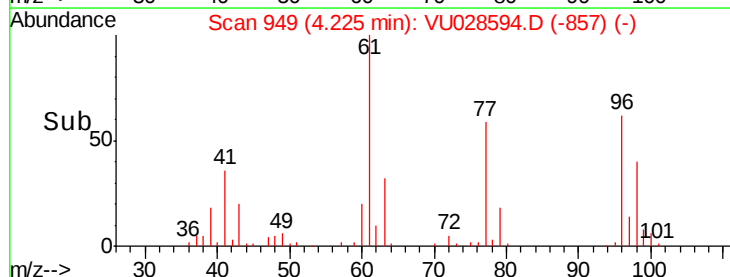
10000

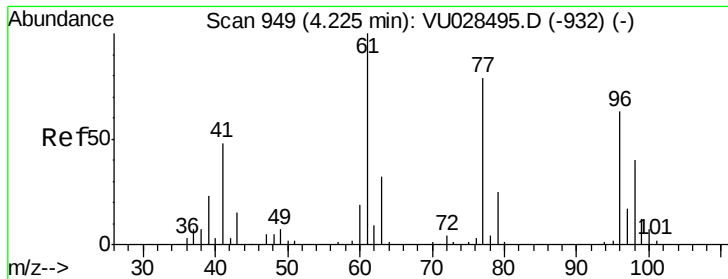
5000

0

4.10 4.20 4.30

Time-->





#27

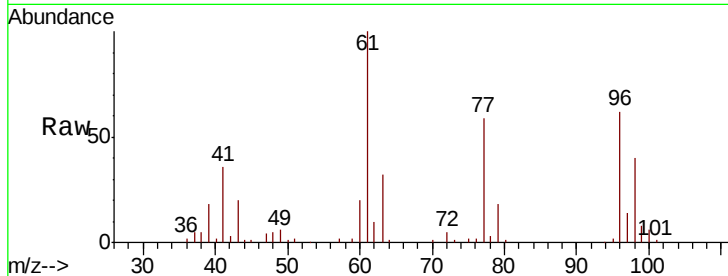
cis-1,2-Dichloroethene
Concen: 49.642 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59625		
61	165.0		0.0	332.4
98	64.6		0.0	129.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM

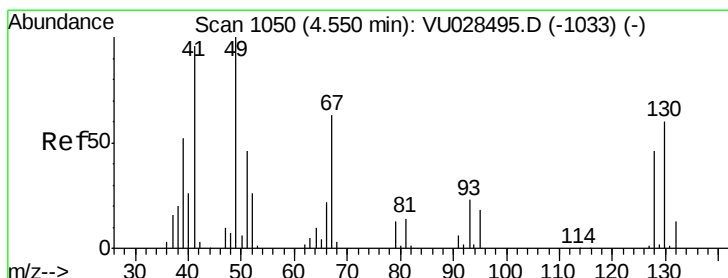
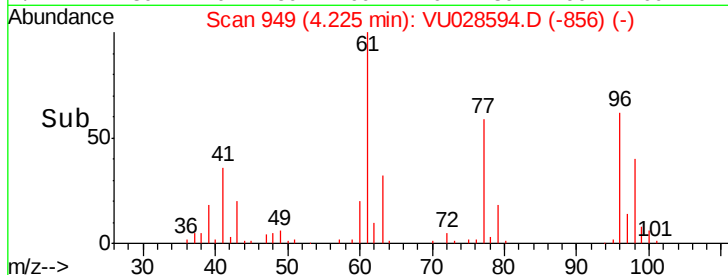
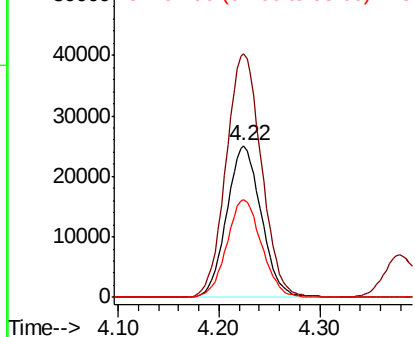


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

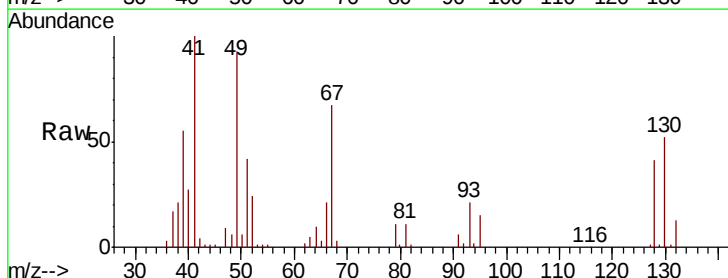
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 56.661 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	58462		
129	1.4		0.0	3.0
130	55.1		47.8	71.8

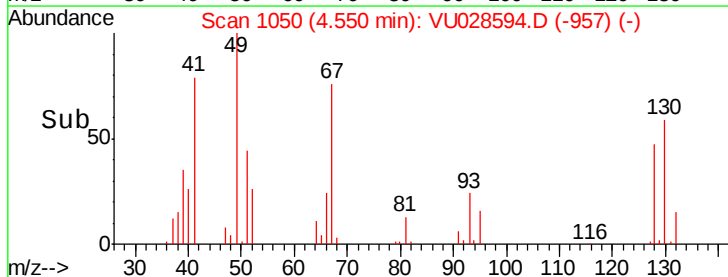
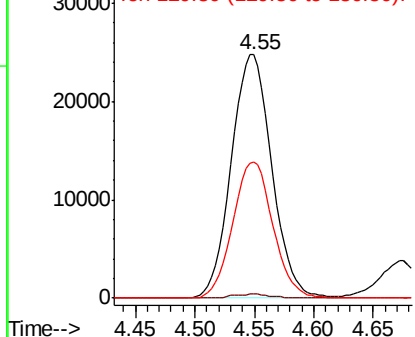


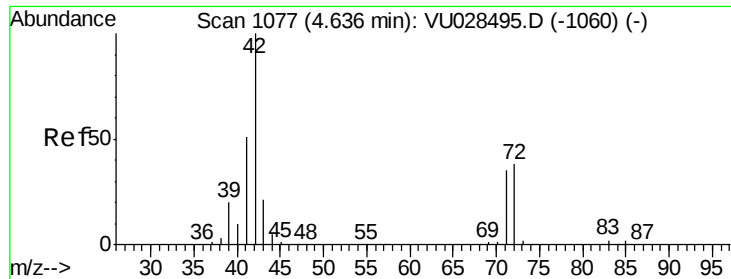
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





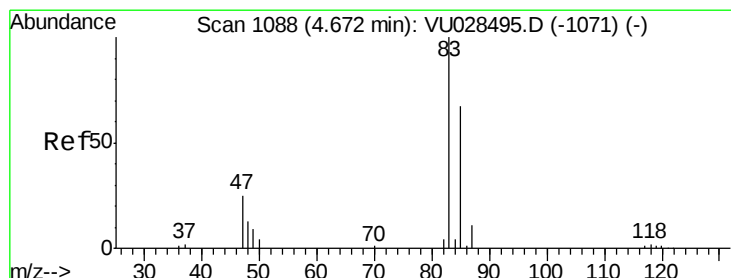
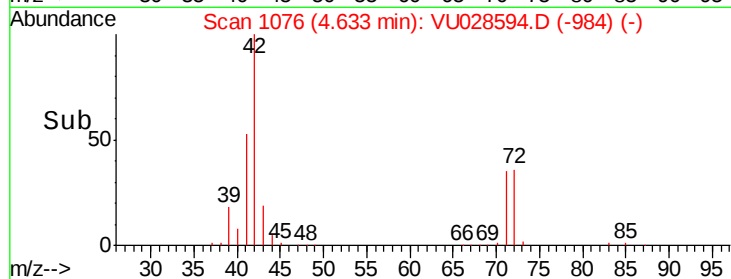
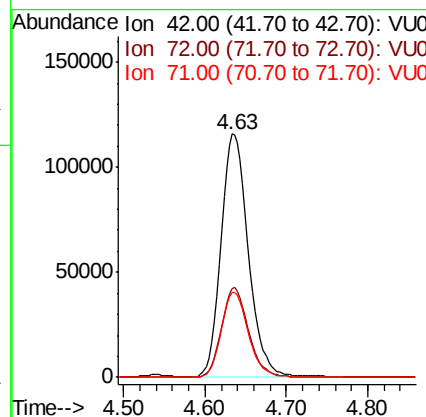
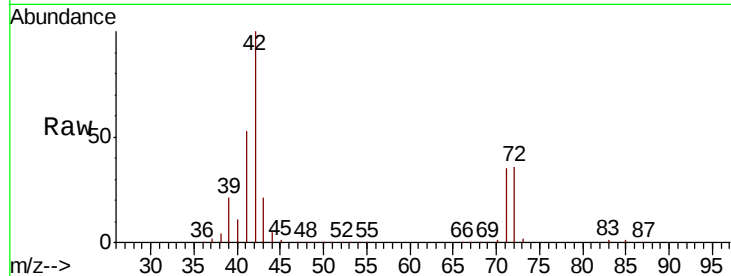
#29
Tetrahydrofuran
Concen: 369.516 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	31.4	47.0
71	34.8	28.6	43.0

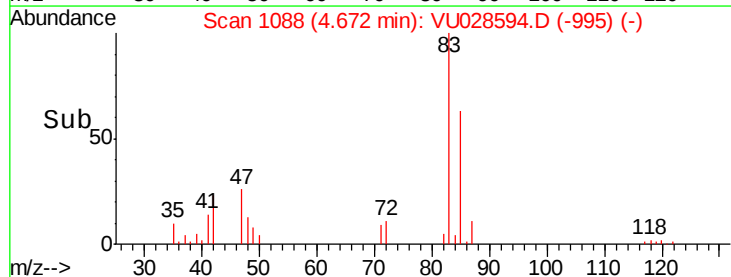
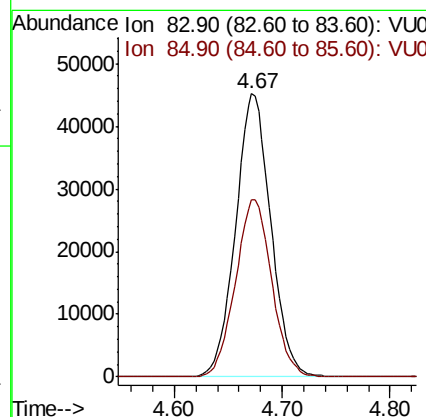
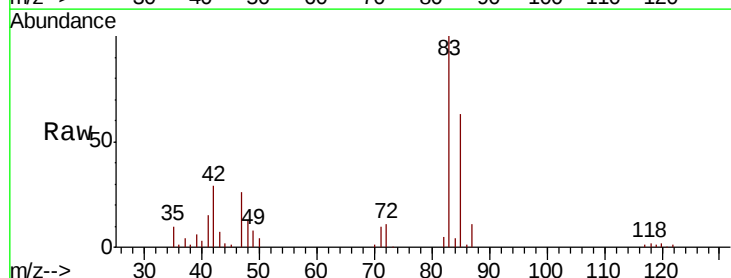
Manual Integrations
APPROVED

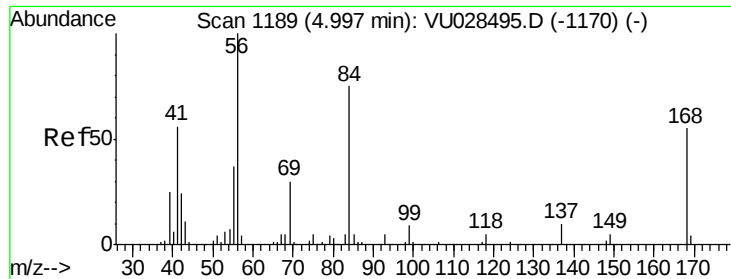
MMDadoda
12/11/2018 3:02:31 PM



#30
Chloroform
Concen: 51.902 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	53.6	80.4





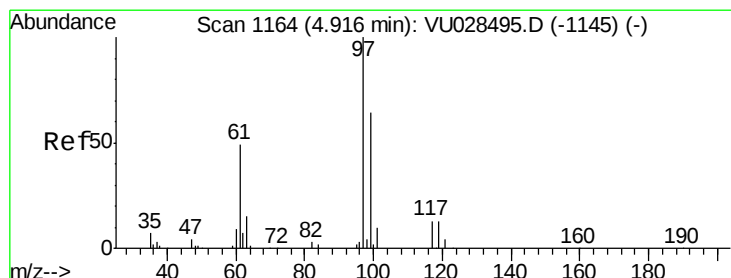
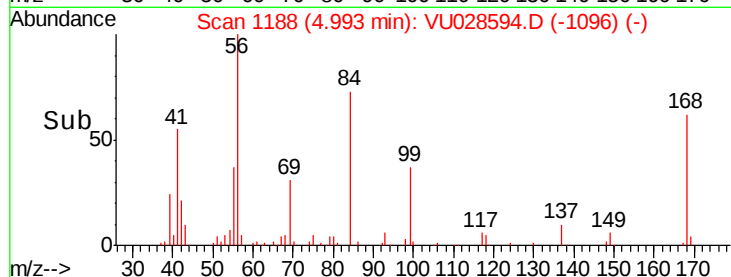
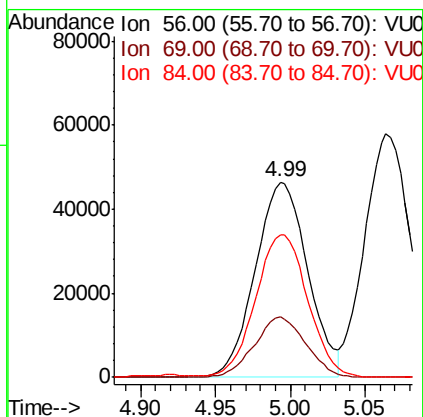
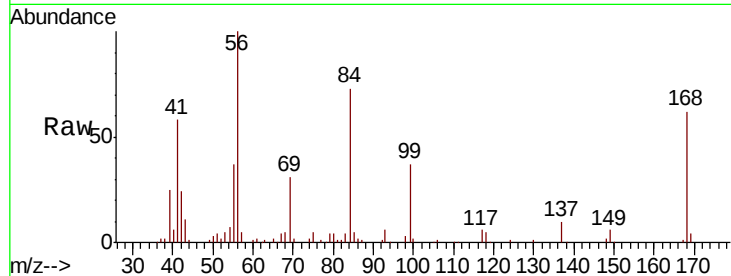
#31
Cyclohexane
Concen: 51.023 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.0	36.0
84	72.7	59.7	89.5

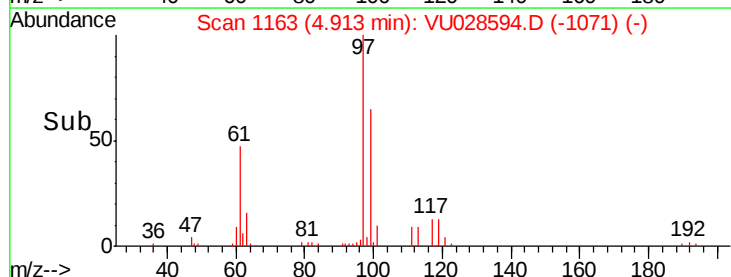
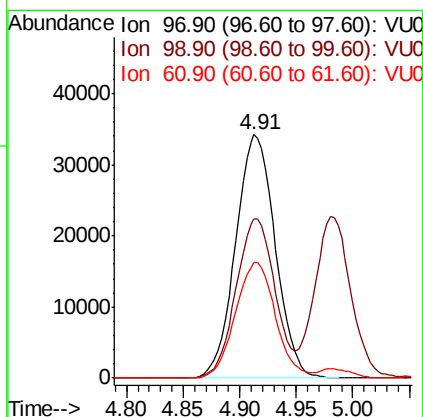
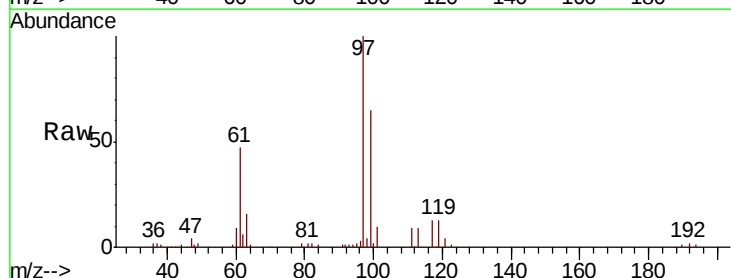
Manual Integrations
APPROVED

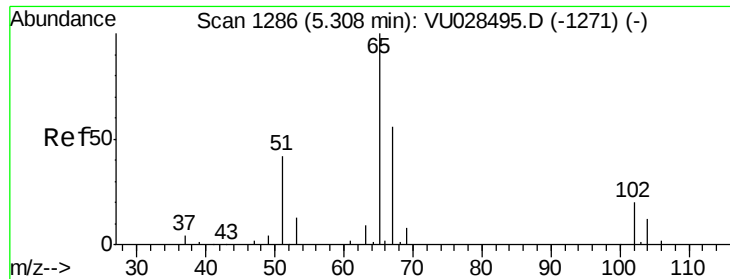
MMDadoda
12/11/2018 3:02:31 PM



#32
1,1,1-Trichloroethane
Concen: 50.673 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.3	78.5
61	48.1	39.0	58.6





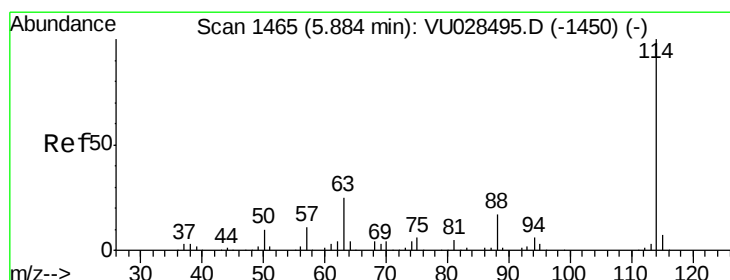
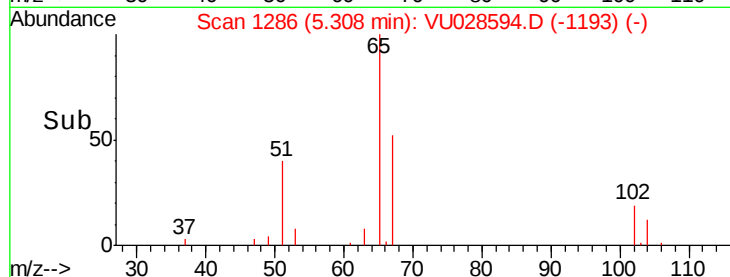
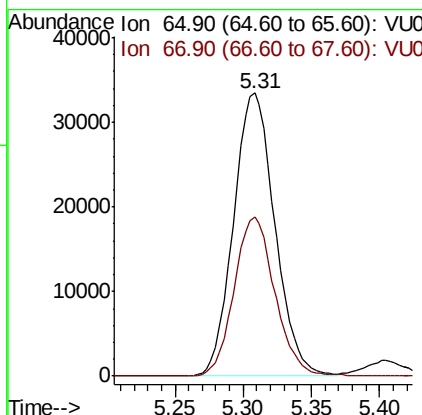
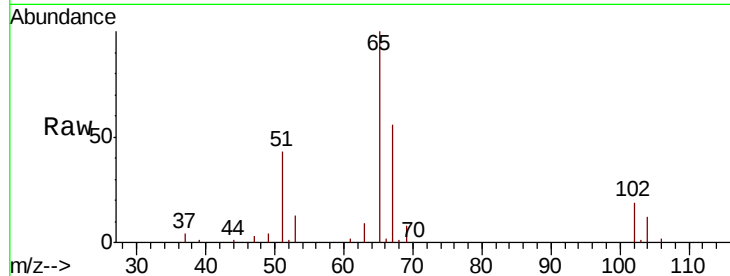
#33
 1,2-Dichloroethane-d4
 Concen: 54.502 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	110.6

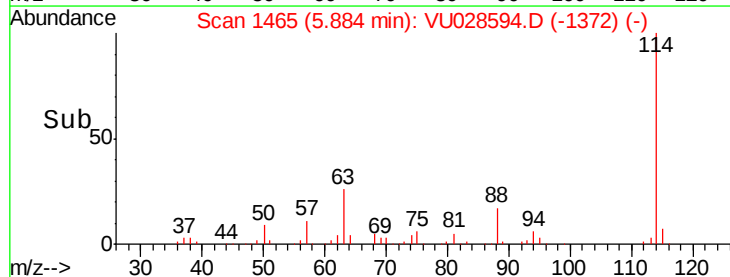
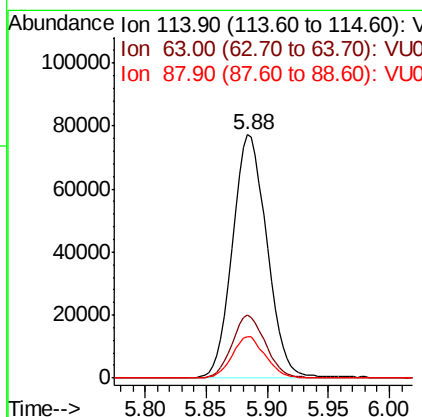
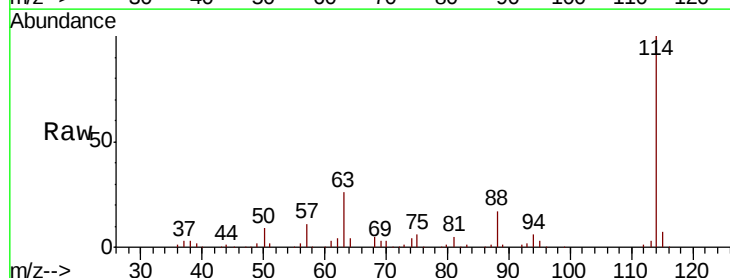
Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 3:02:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.8	0.0	49.2
88	17.2	0.0	33.4





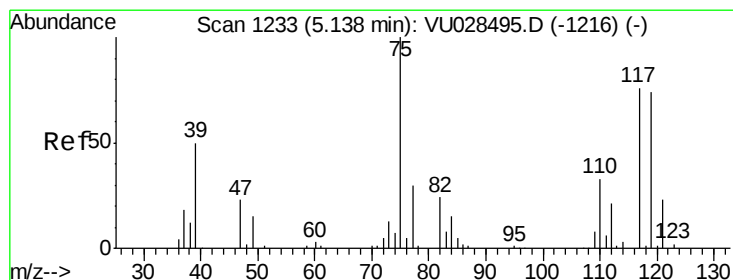
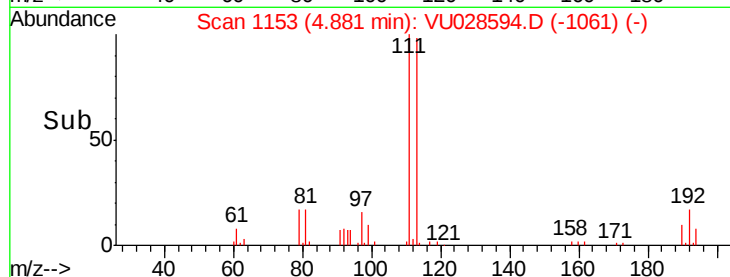
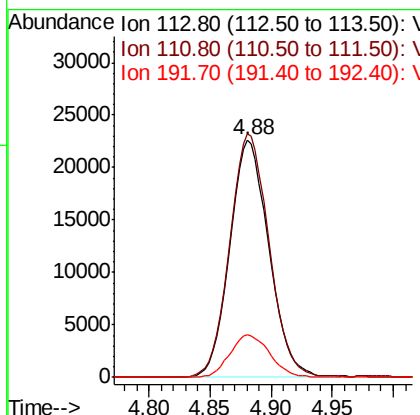
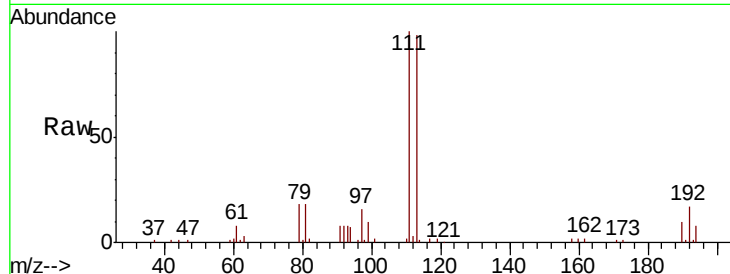
#35
 Dibromofluoromethane
 Concen: 52.792 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.4	125.0
192	18.2	14.8	22.2

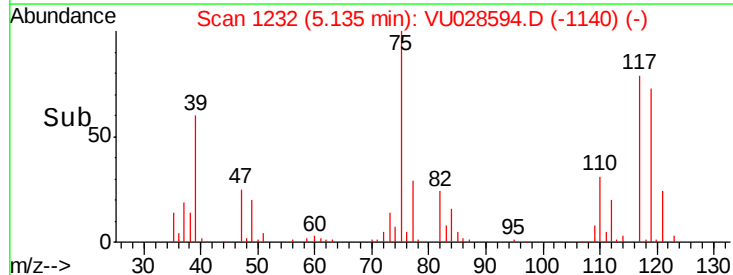
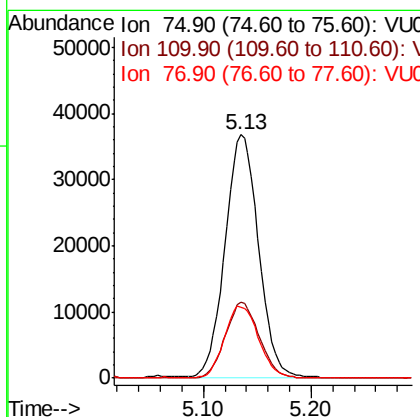
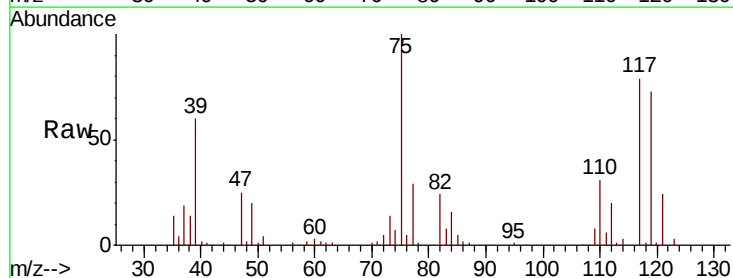
Manual Integrations
 APPROVED

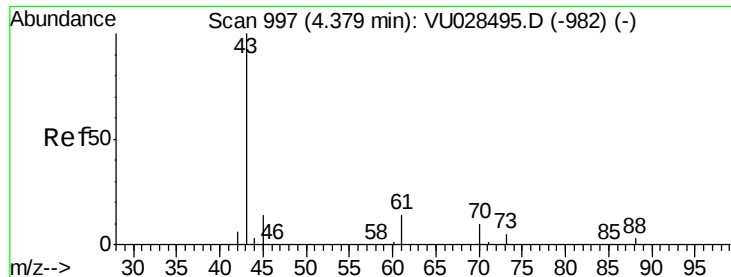
MMDadoda
 12/11/2018 3:02:31 PM



#36
 1,1-Dichloropropene
 Concen: 47.696 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	16.1	48.2
77	30.5	24.5	36.7





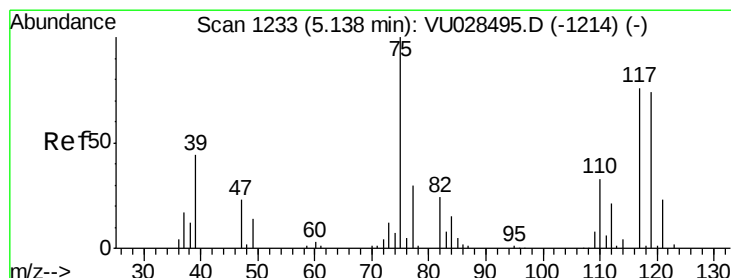
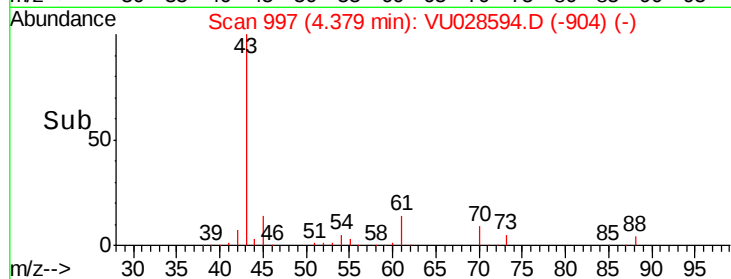
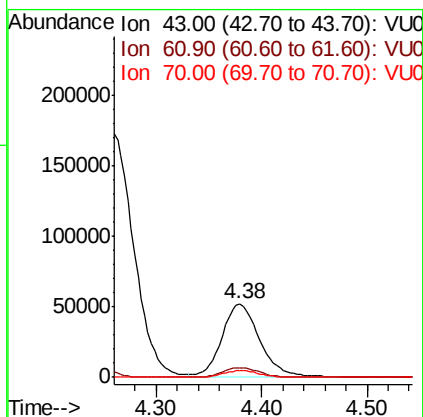
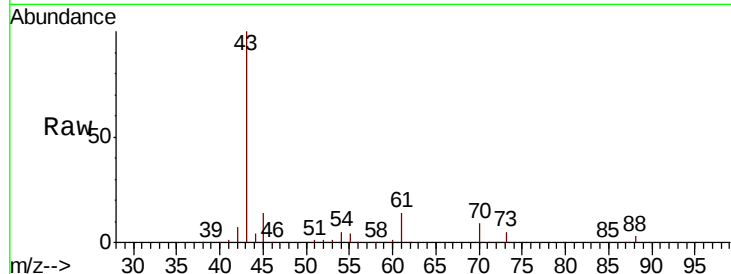
#37
Ethyl Acetate
Concen: 58.860 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	8.8	7.4	11.0

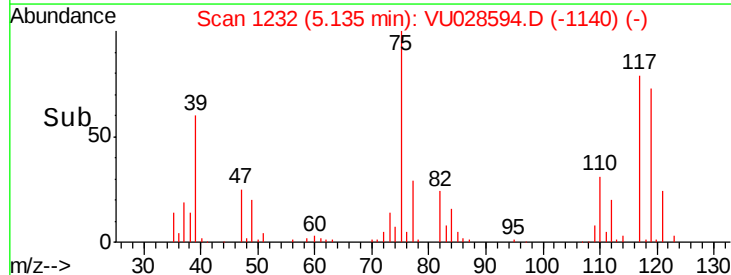
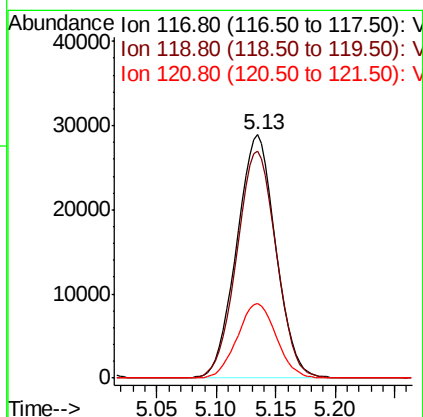
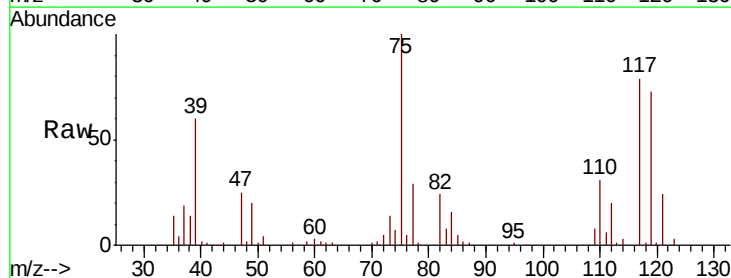
Manual Integrations
APPROVED

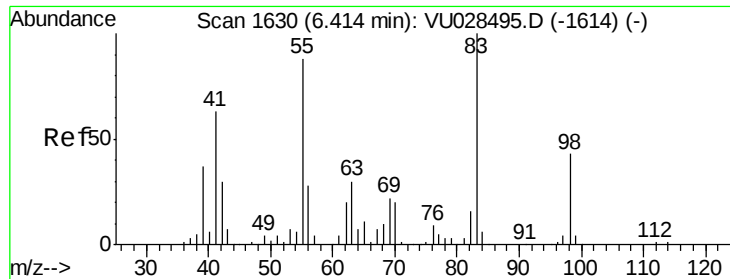
MMDadoda
12/11/2018 3:02:31 PM



#38
Carbon Tetrachloride
Concen: 49.011 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.6	116.4
121	30.5	24.6	36.8





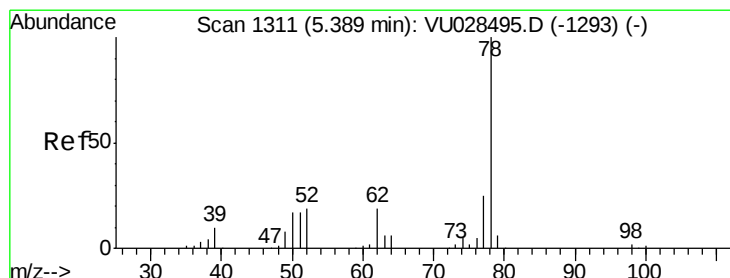
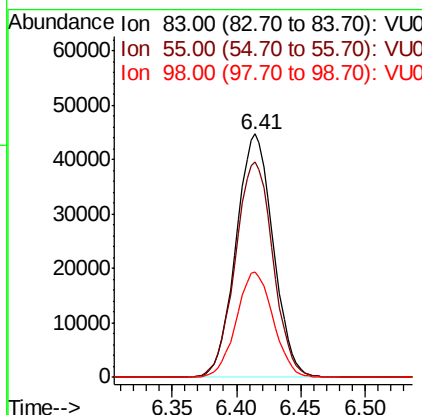
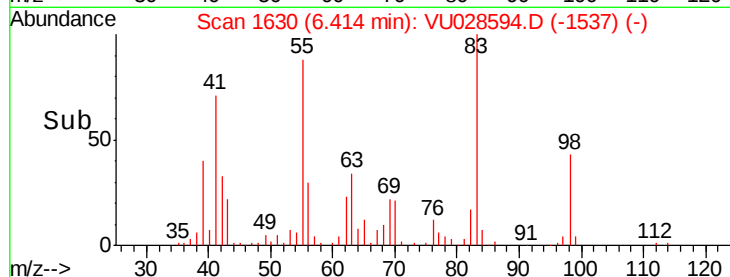
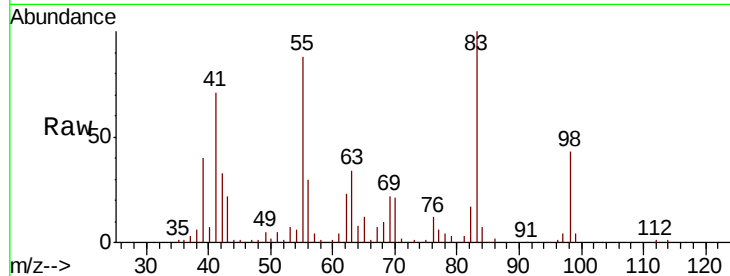
#39
Methylvlcvclohexane
Concen: 44.185 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	83	Resp	89520
Ion Ratio	Lower	Upper	
83	100		
55	88.3	70.2	105.2
98	43.0	34.2	51.4

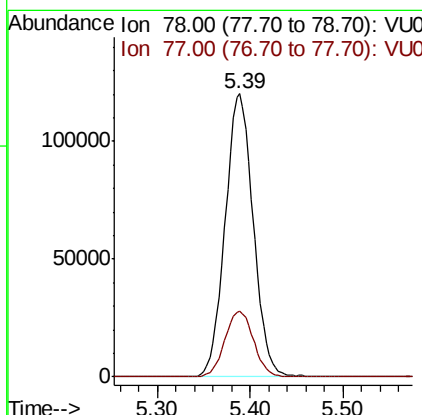
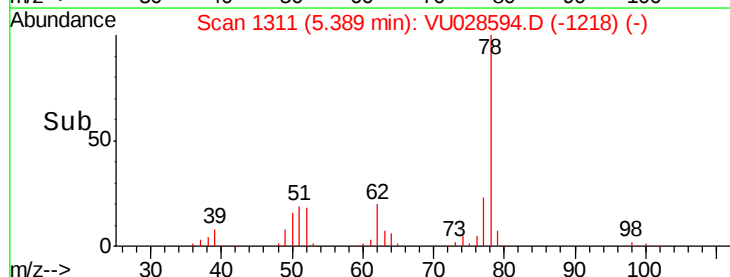
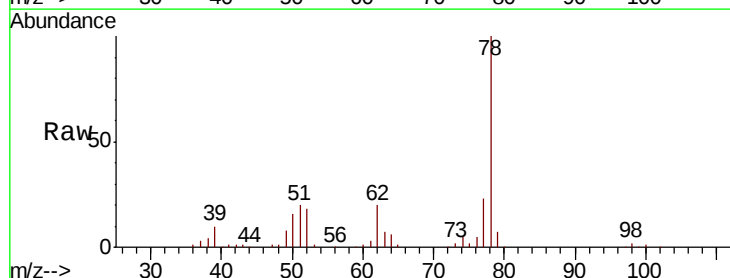
Manual Integrations
APPROVED

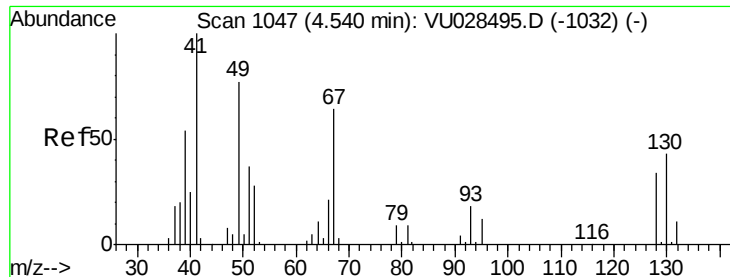
MMDadoda
12/11/2018 3:02:31 PM



#40
Benzene
Concen: 51.716 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion	78	Resp	252951
Ion Ratio	Lower	Upper	
78	100		
77	23.2	19.9	29.9





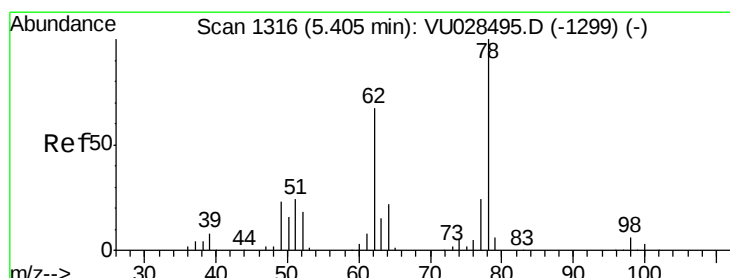
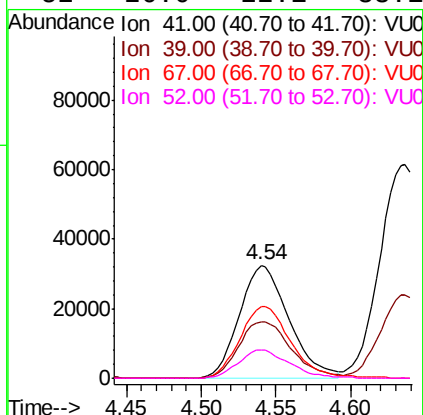
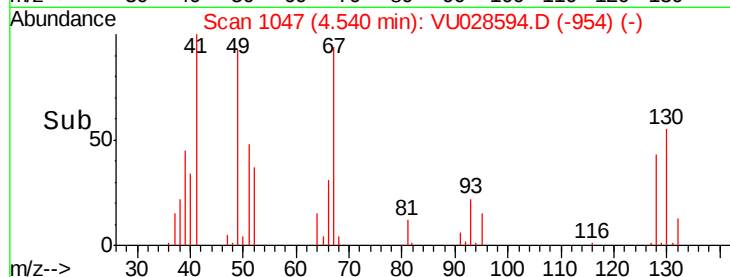
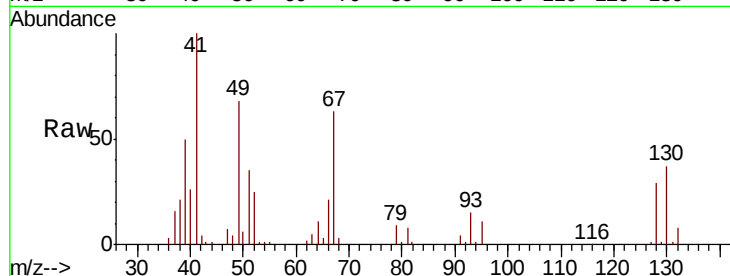
#41
Methacrylonitrile
Concen: 63.707 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	43.3	64.9	
67	65.1	53.6	80.4	
52	26.0	22.1	33.1	

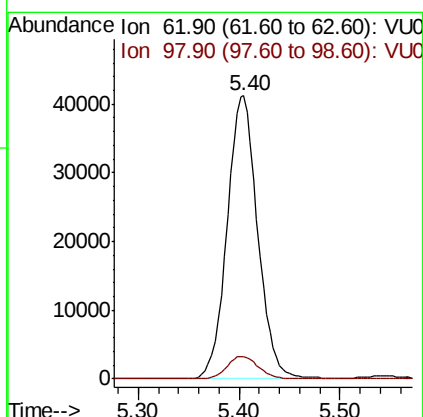
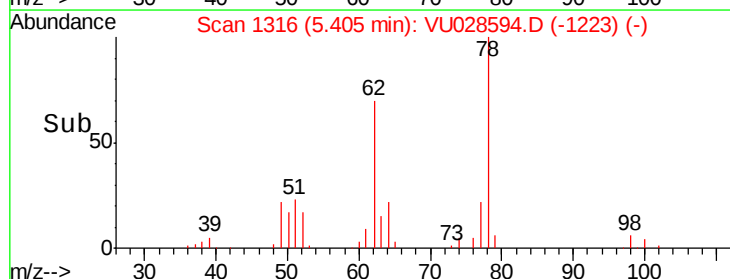
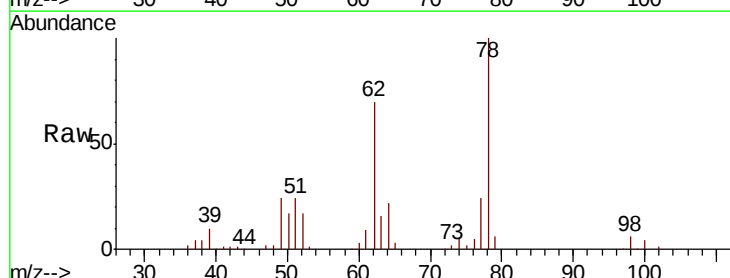
Manual Integrations
APPROVED

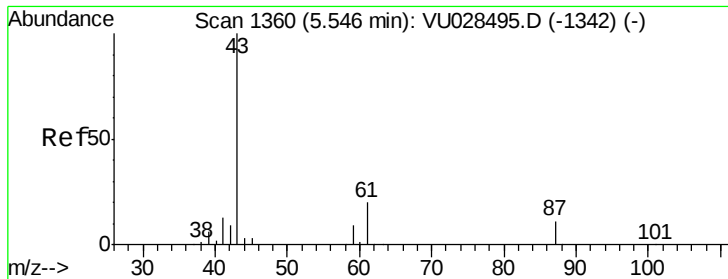
MMDadoda
12/11/2018 3:02:31 PM



#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	17.2	





#43

Isopropyl Acetate

Concen: 56.756 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

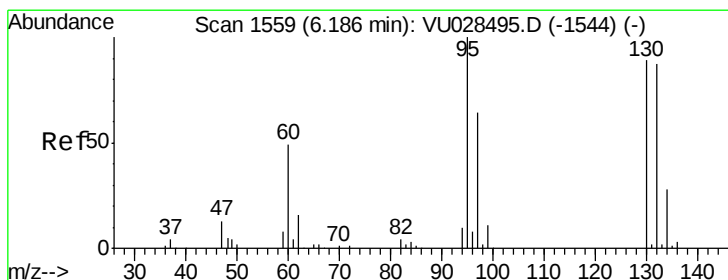
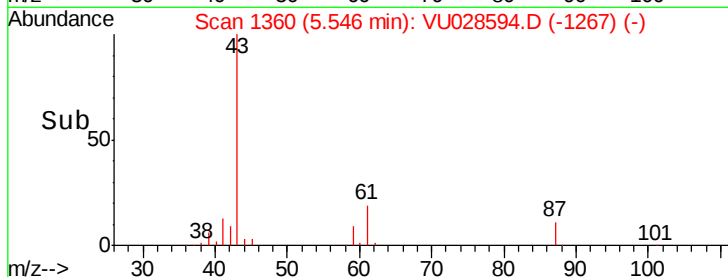
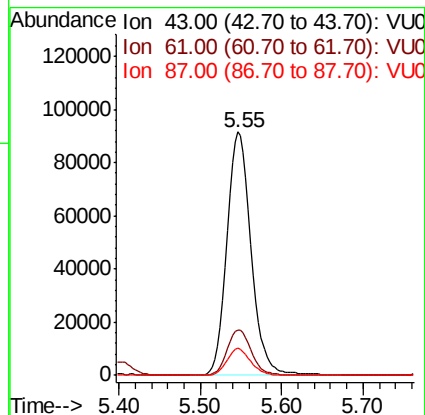
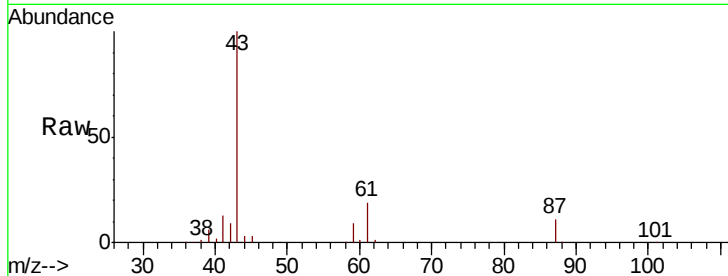
ClientSampleId :

P001-SW004-01MS

Tot Ion:	43	Resp:	192718
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.5	23.3
87	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM



#44

Trichloroethene

Concen: 48.958 ug/l

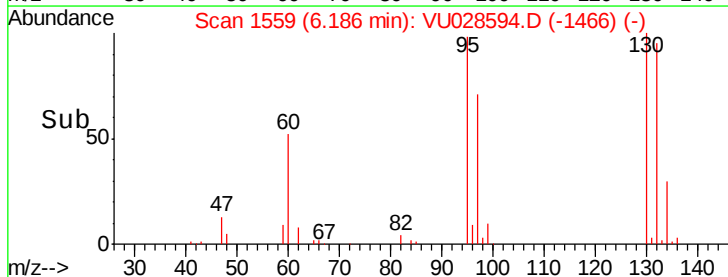
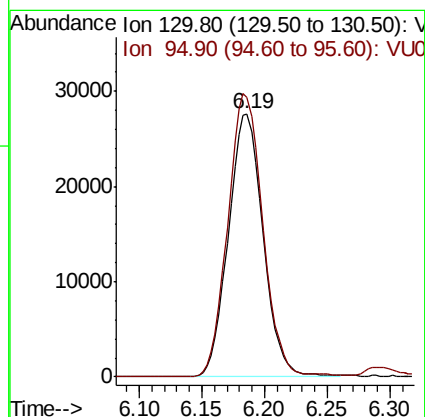
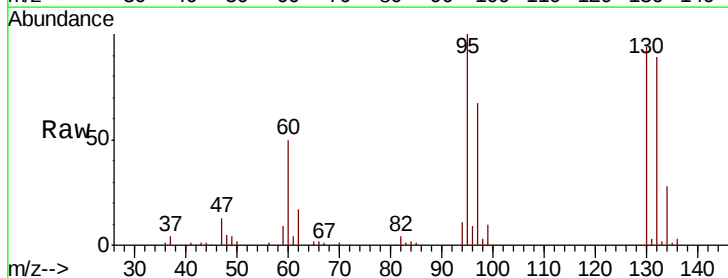
RT: 6.19 min Scan# 1559

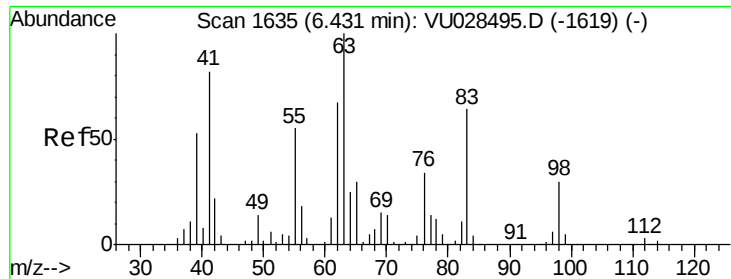
Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Tgt Ion:	130	Resp:	53244
Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	224.0





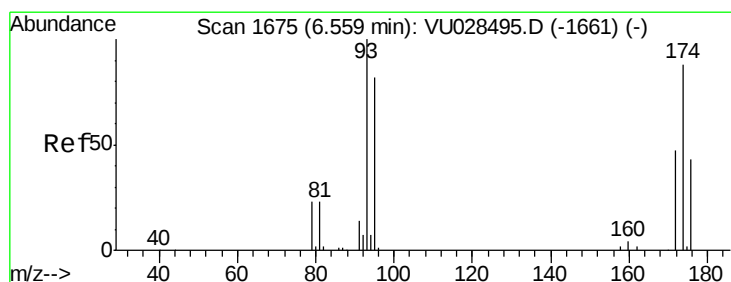
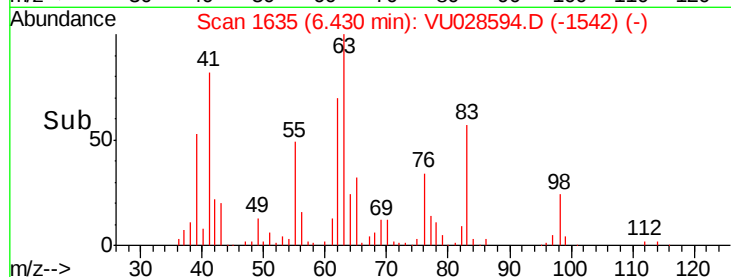
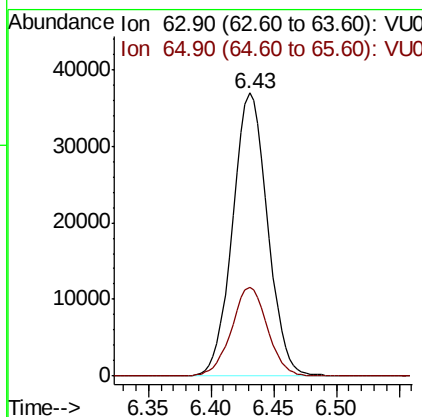
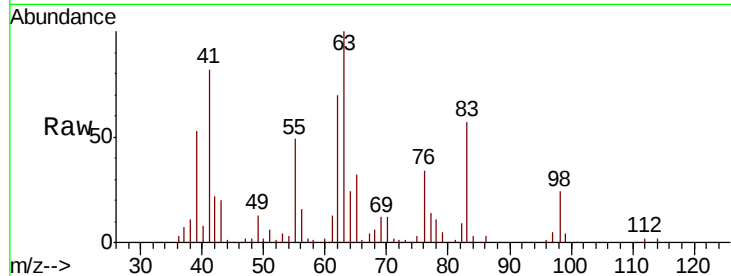
#45
 1,2-Dichloropropane
 Concen: 51.931 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion: 63 Resp: 71427
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.4

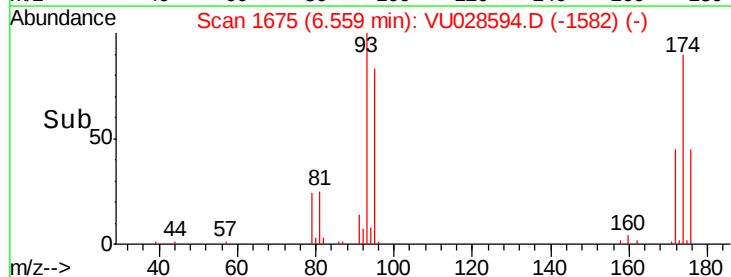
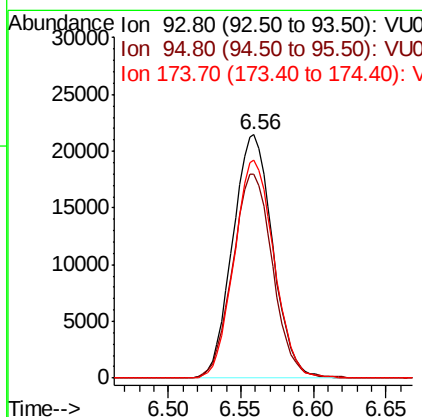
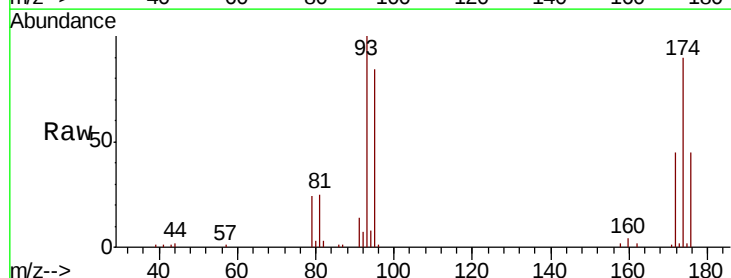
Manual Integrations
 APPROVED

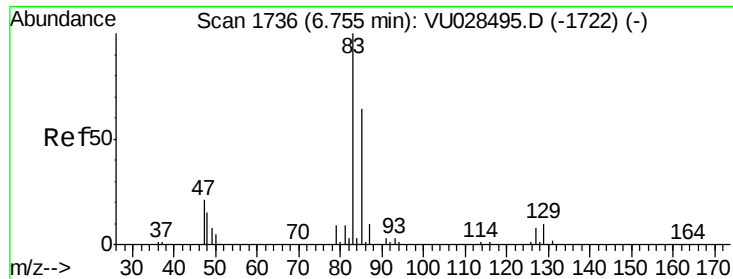
MMDadoda
 12/11/2018 3:02:31 PM



#46
 Dibromomethane
 Concen: 50.494 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion: 93 Resp: 41207
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.4 98.2
 174 89.0 72.2 108.4





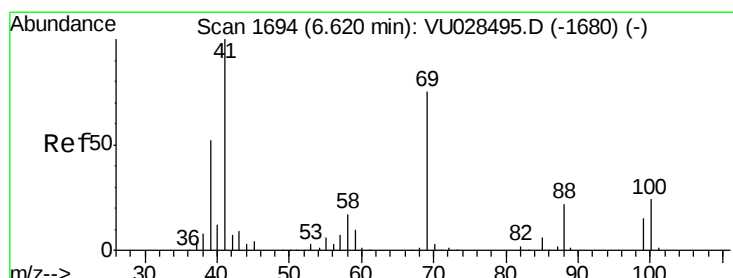
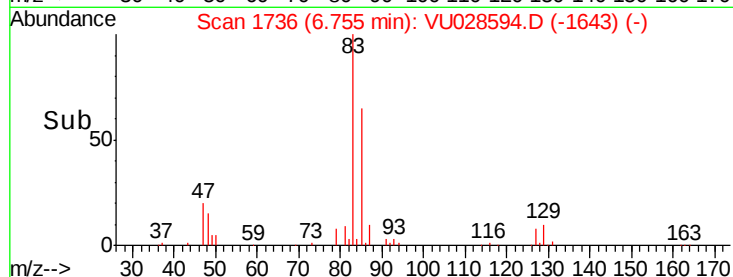
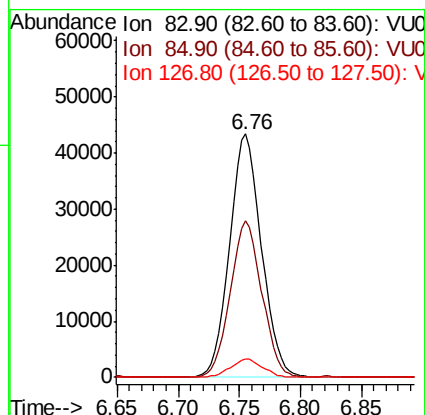
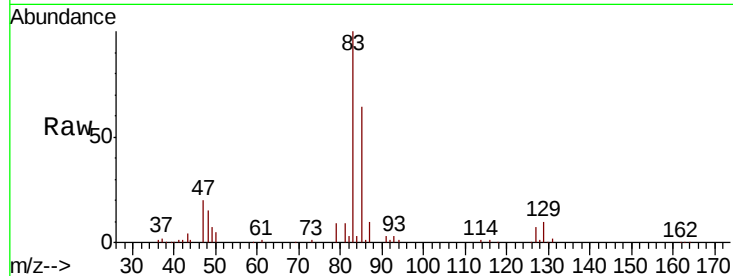
#47
 Bromodichloromethane
 Concen: 49.851 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion	83	Resp	79165
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.5	77.3
127	7.5	6.2	9.4

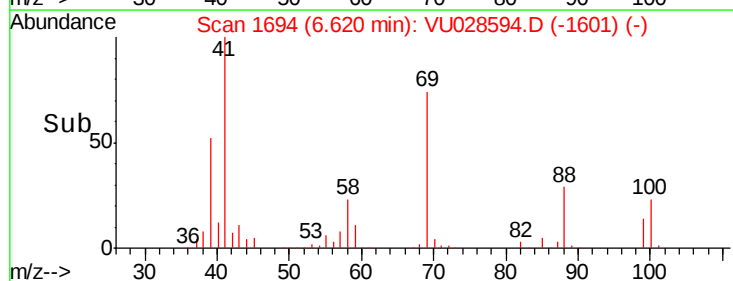
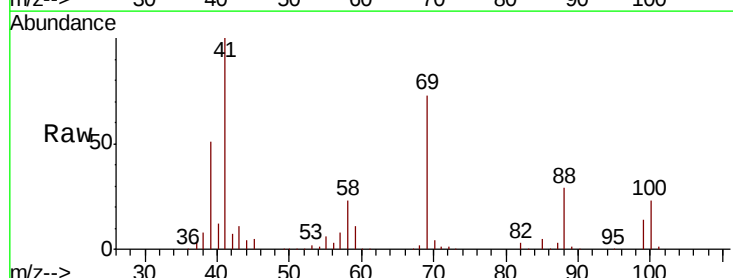
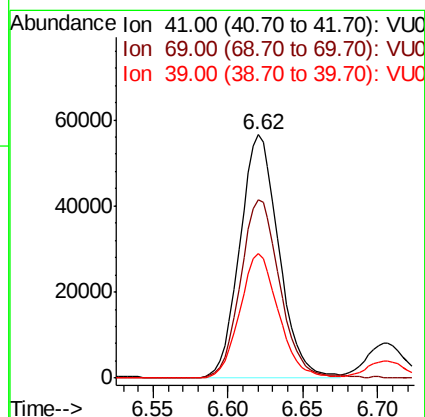
Manual Integrations
 APPROVED

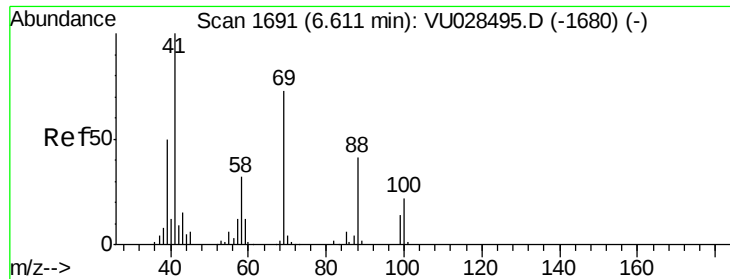
MMDadoda
 12/11/2018 3:02:31 PM



#48
 Methyl methacrylate
 Concen: 60.249 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion	41	Resp	101738
Ion Ratio	100	Lower	Upper
41	100		
69	74.7	60.4	90.6
39	51.4	41.1	61.7





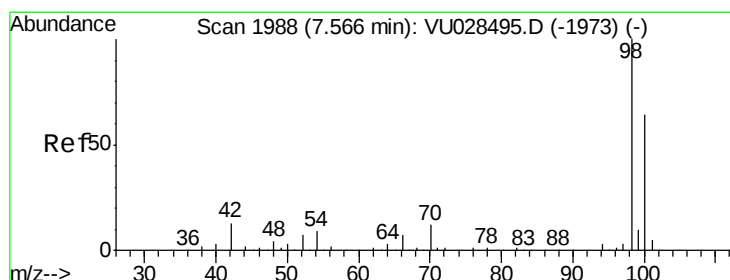
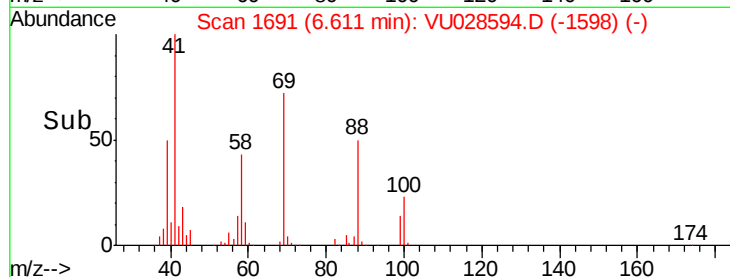
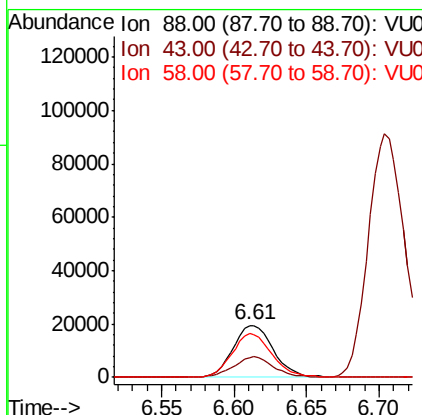
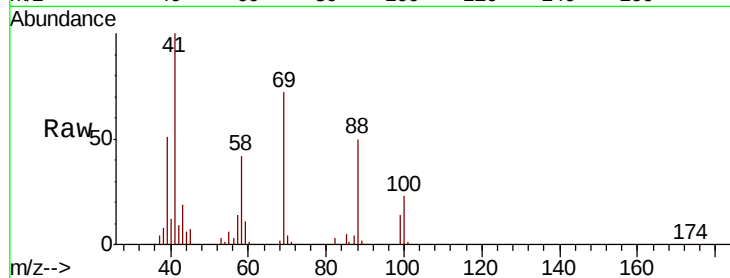
#49
1,4-Dioxane
Concen: 1417.773 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	30.9	46.3
58	83.4	62.4	93.6

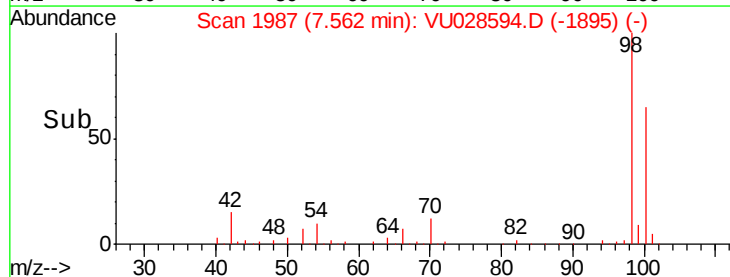
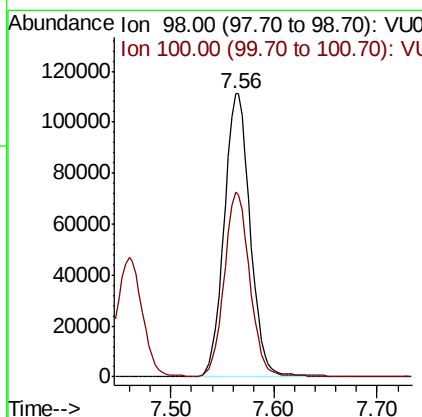
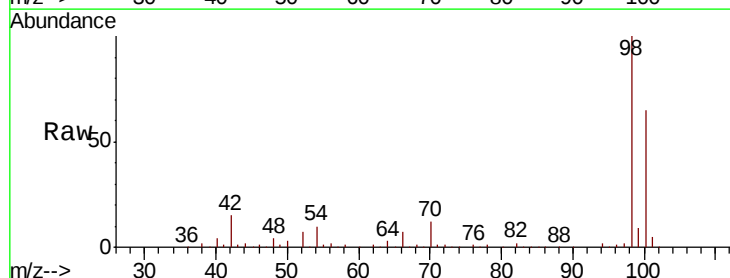
Manual Integrations
APPROVED

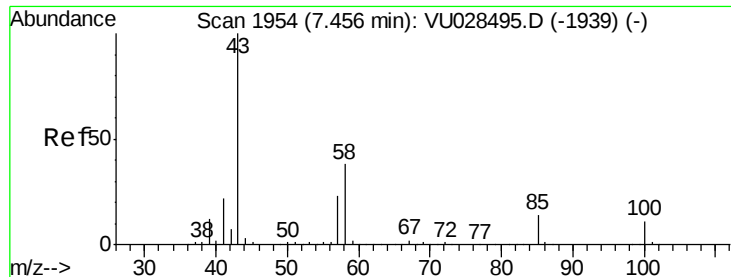
MMDadoda
12/11/2018 3:02:31 PM



#50
Toluene-d8
Concen: 51.726 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 346.428 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion: 43 Resp: 741922

Ion Ratio Lower Upper

43 100

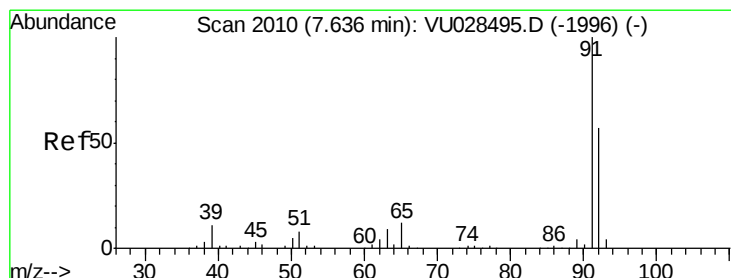
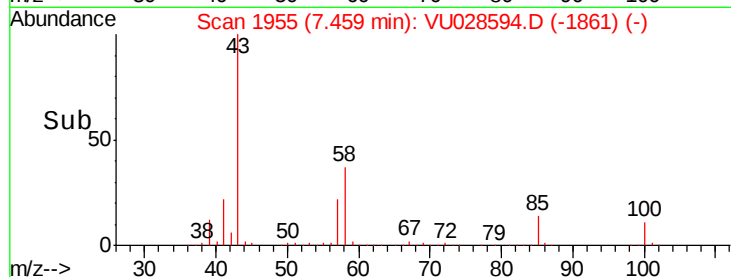
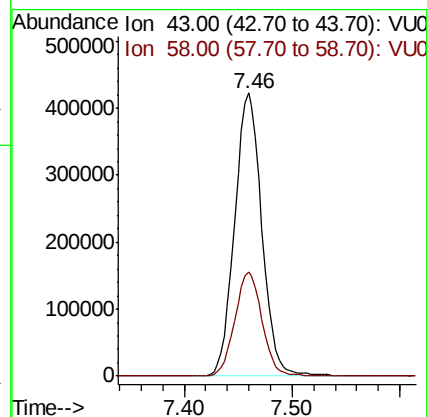
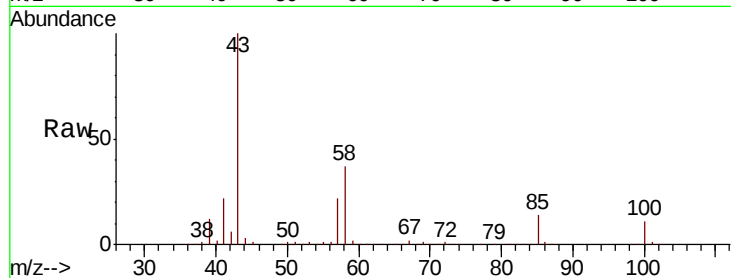
58 36.9 30.2 45.2

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:31 PM



#52

Toluene

Concen: 49.846 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028594.D

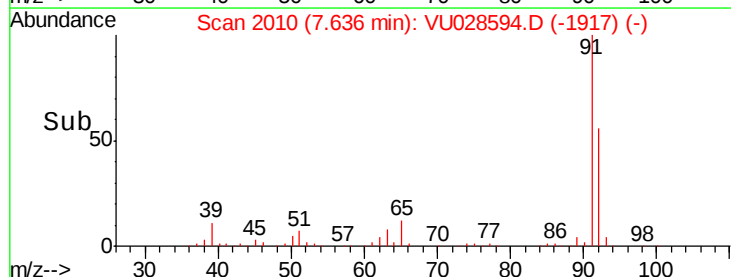
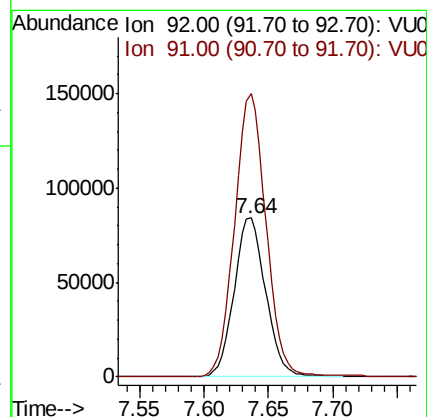
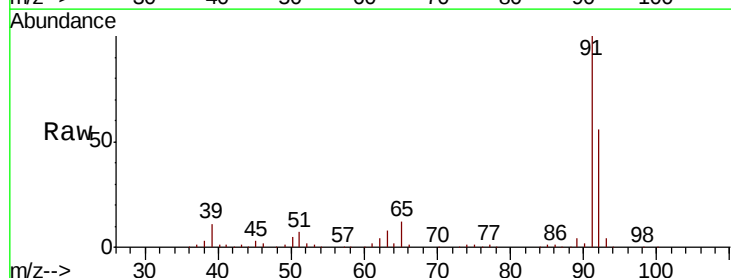
Acq: 11 Dec 2018 09:18

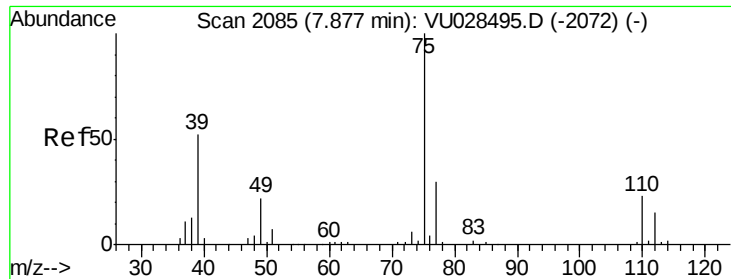
Tgt Ion: 92 Resp: 143484

Ion Ratio Lower Upper

92 100

91 179.1 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 47.981 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion: 75 Resp: 90747

Ion Ratio Lower Upper

75 100

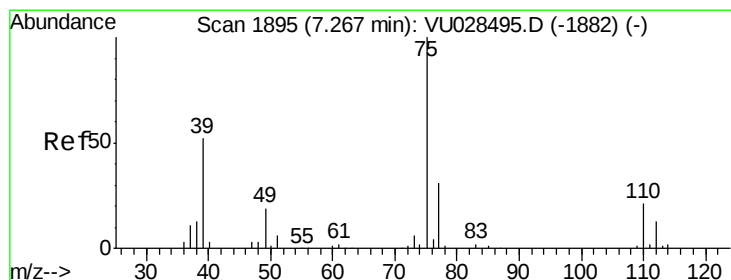
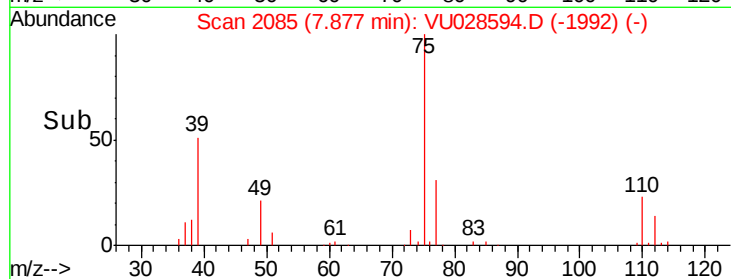
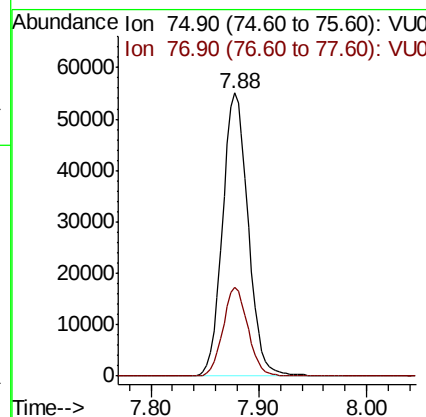
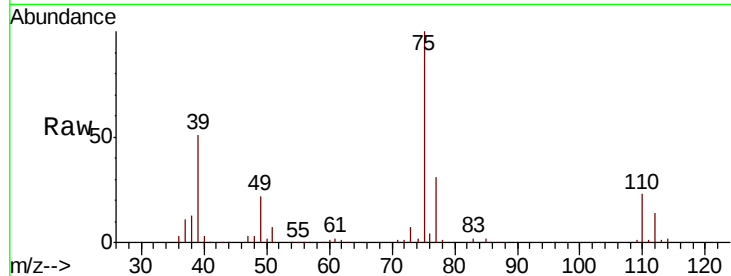
77 31.2 24.2 36.4

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:31 PM



#54

cis-1,3-Dichloropropene

Concen: 46.890 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

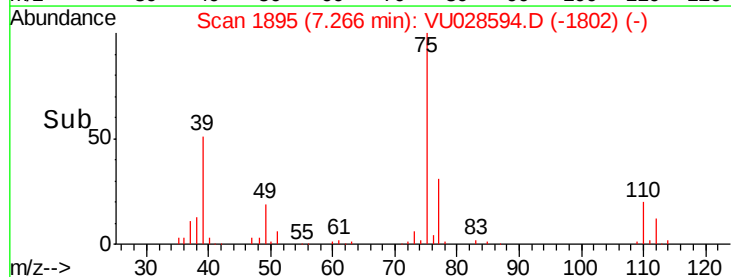
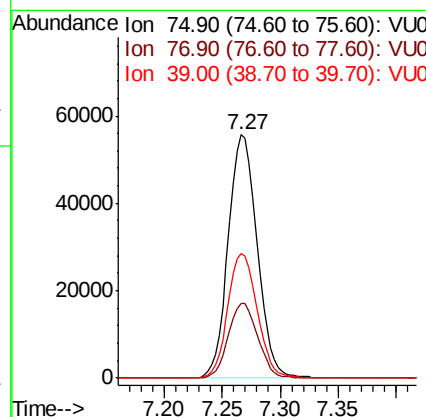
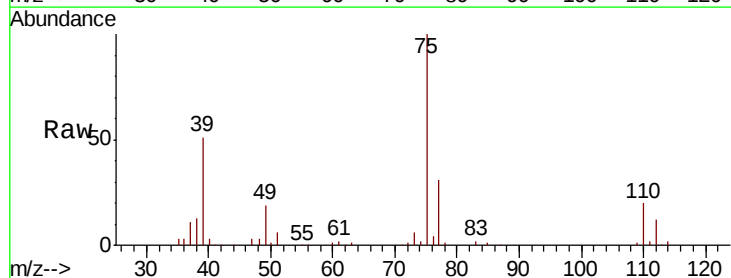
Tgt Ion: 75 Resp: 96217

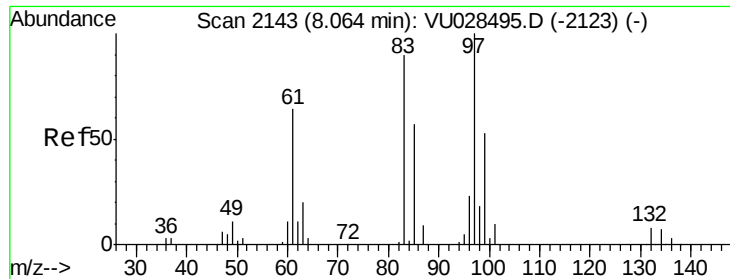
Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4

39 51.0 41.3 61.9





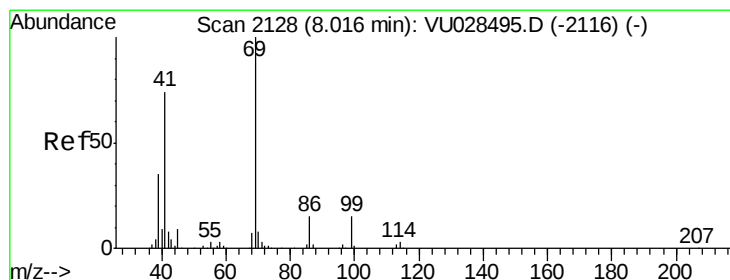
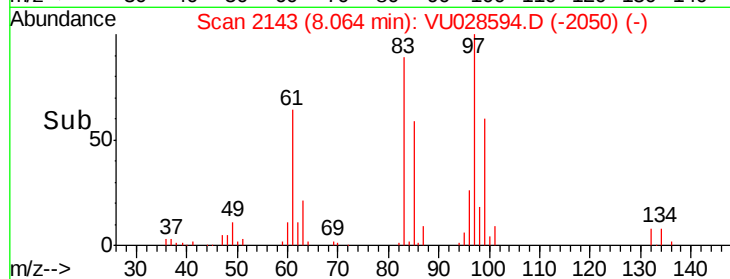
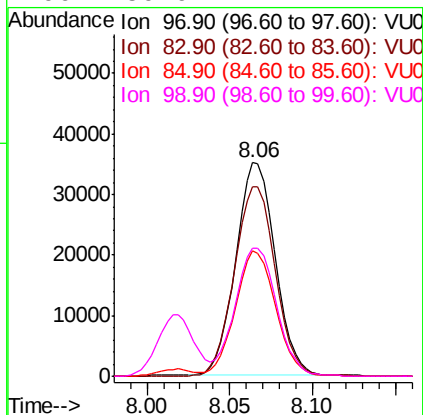
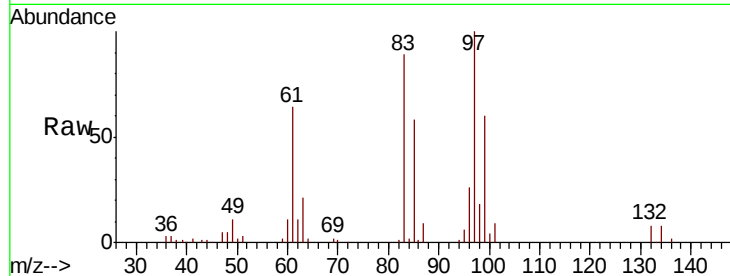
#55
1,1,2-Trichloroethane
Concen: 51.077 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion:	97	Resp:	58118
Ion	Ratio	Lower	Upper
97	100		
83	88.9	72.4	108.6
85	58.4	46.0	69.0
99	59.9	47.4	71.2

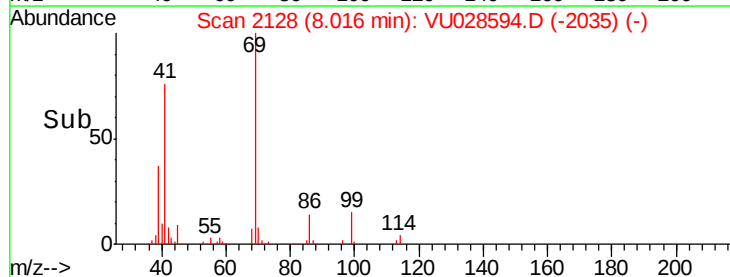
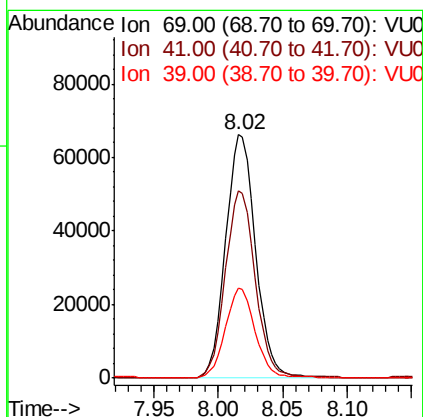
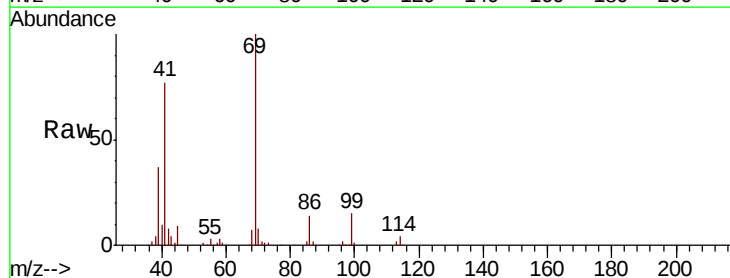
Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM



#56
Ethyl methacrylate
Concen: 54.835 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion:	69	Resp:	106848
Ion	Ratio	Lower	Upper
69	100		
41	76.9	59.1	88.7
39	36.0	28.4	42.6





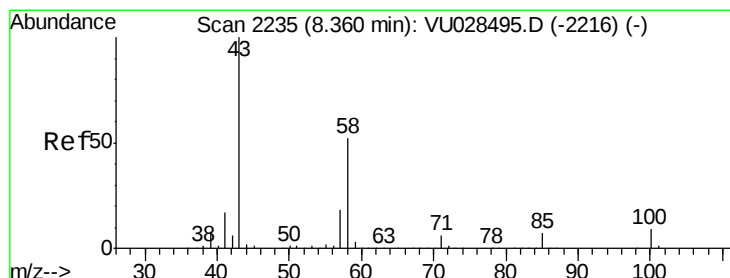
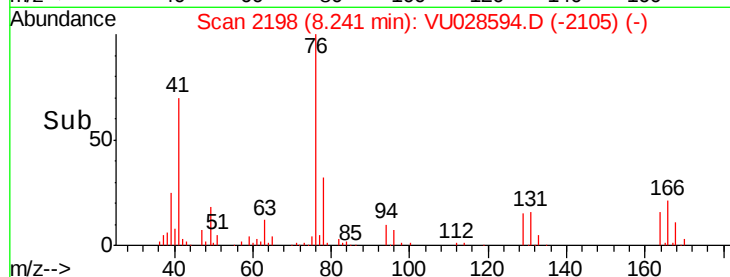
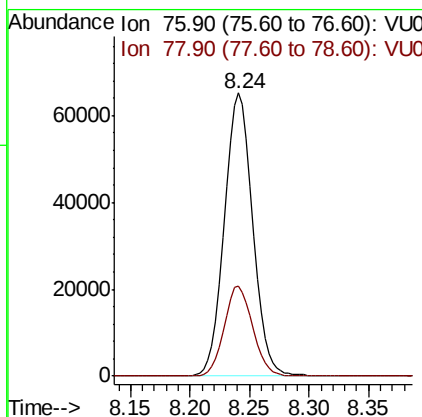
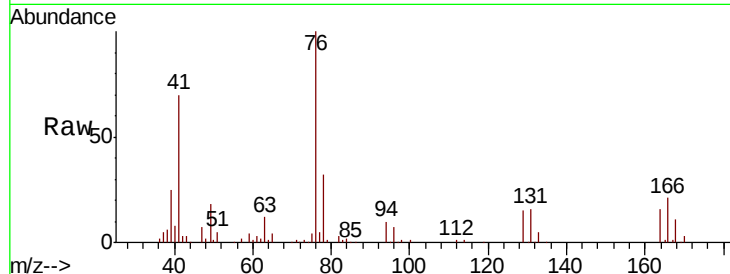
#57
 1,3-Dichloropropane
 Concen: 50.977 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.2	37.8

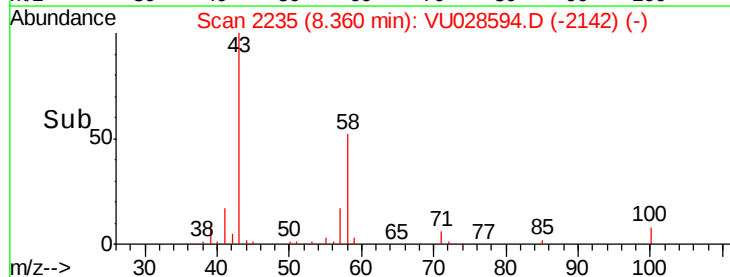
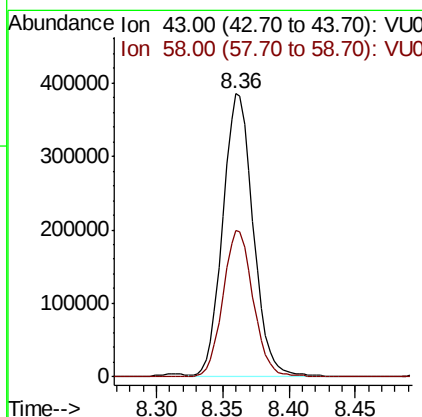
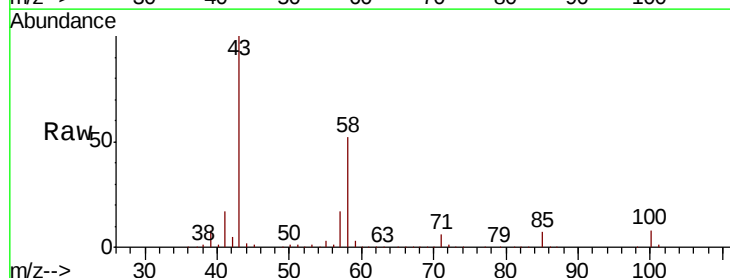
Manual Integrations
 APPROVED

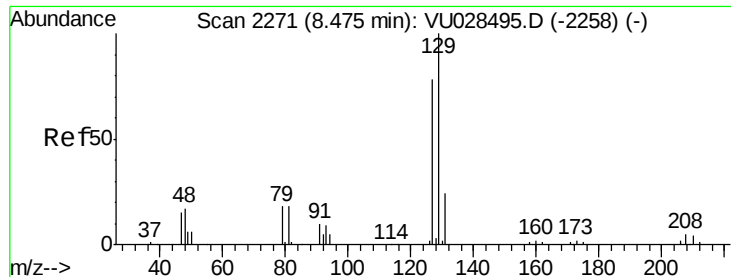
MMDadoda
 12/11/2018 3:02:31 PM



#59
 2-Hexanone
 Concen: 359.994 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6





#60

Dibromochloromethane

Concen: 50.390 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion:129 Resp: 56136

Ion Ratio Lower Upper

129 100

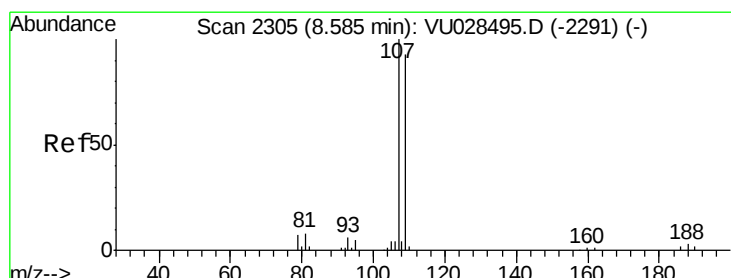
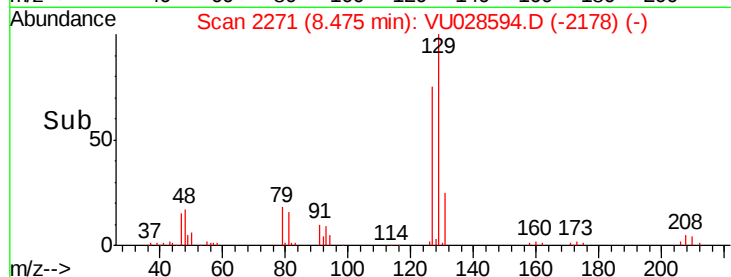
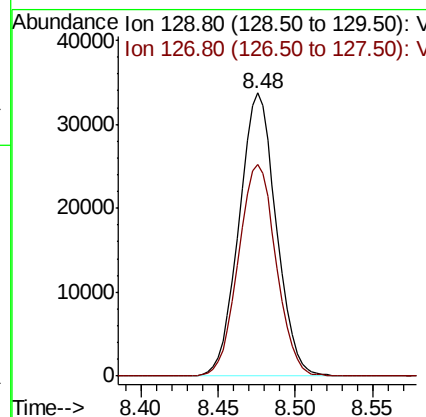
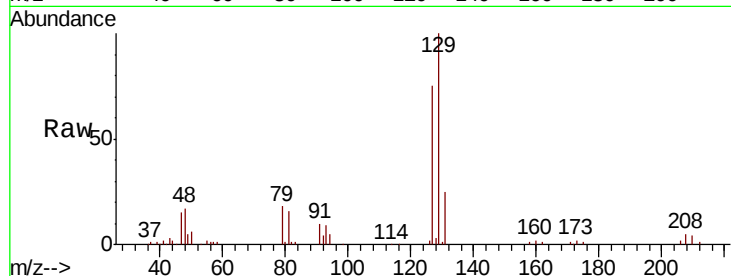
127 76.0 39.1 117.3

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:31 PM



#61

1,2-Dibromoethane

Concen: 52.317 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028594.D

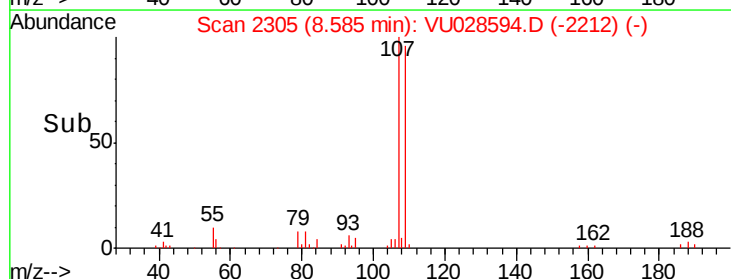
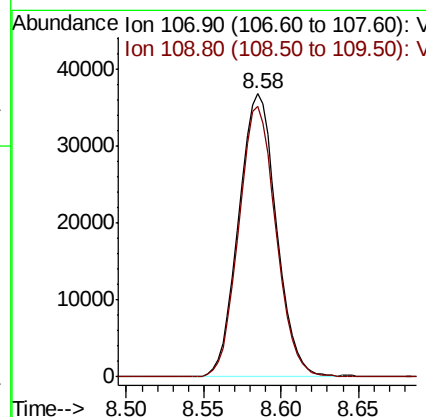
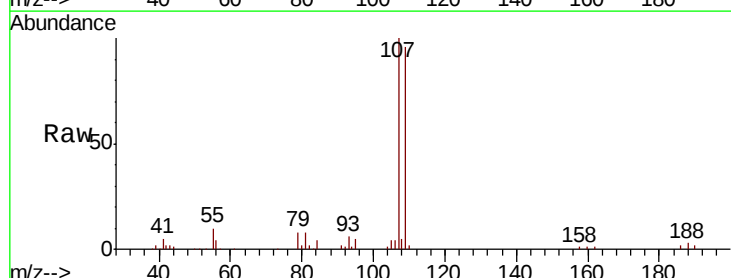
Acq: 11 Dec 2018 09:18

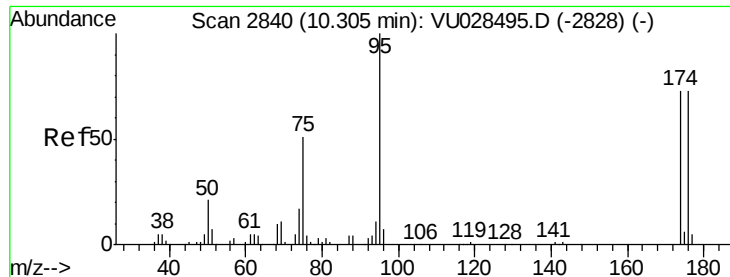
Tgt Ion:107 Resp: 62426

Ion Ratio Lower Upper

107 100

109 94.1 74.5 111.7





#62

4-Bromofluorobenzene

Concen: 52.216 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion: 95 Resp: 73732

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.4

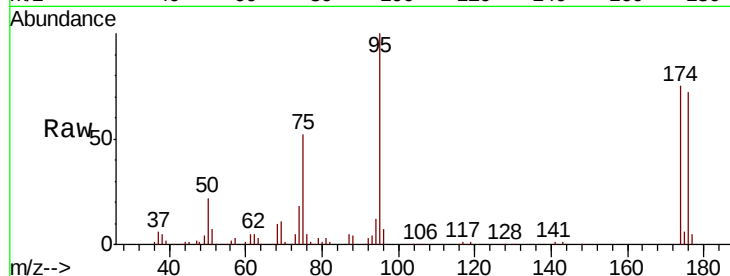
176 73.3 0.0 145.2

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:31 PM

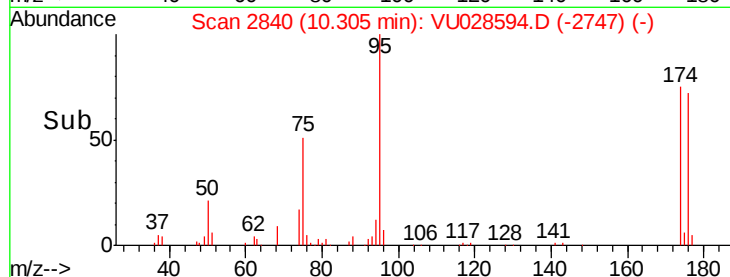


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

Time-->

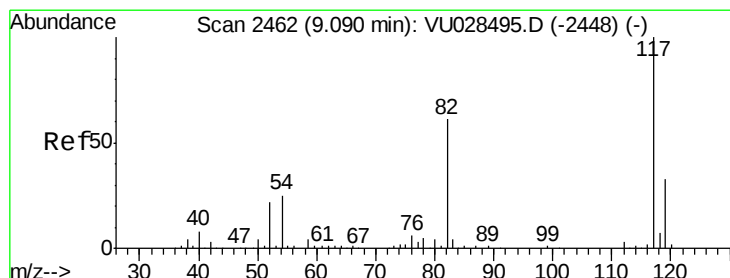


Abundance Ion 94.90 (94.60 to 95.60): VU028594.D (-2747) (-)

Ion 173.80 (173.50 to 174.50): VU028594.D (-2747) (-)

Ion 175.80 (175.50 to 176.50): VU028594.D (-2747) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

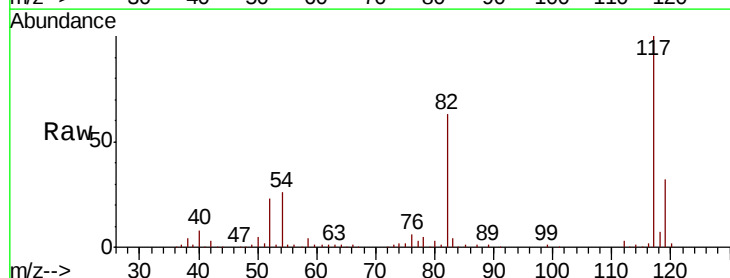
Tgt Ion: 117 Resp: 141585

Ion Ratio Lower Upper

117 100

82 62.9 48.9 73.3

119 32.1 26.2 39.4

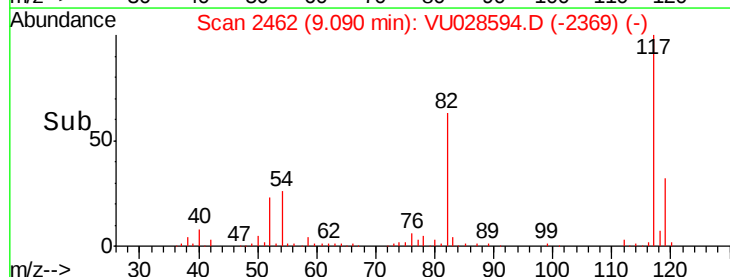


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)

Time-->

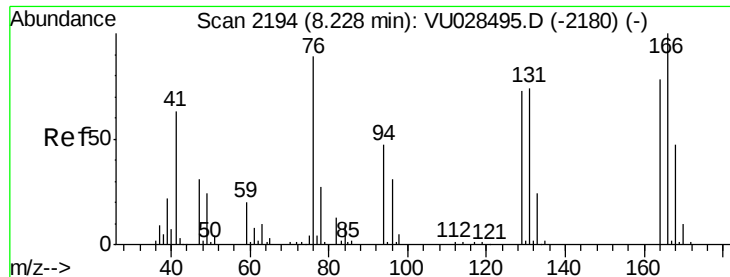


Abundance Ion 116.90 (116.60 to 117.60): VU028594.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU028594.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU028594.D (-2369) (-)

Time-->



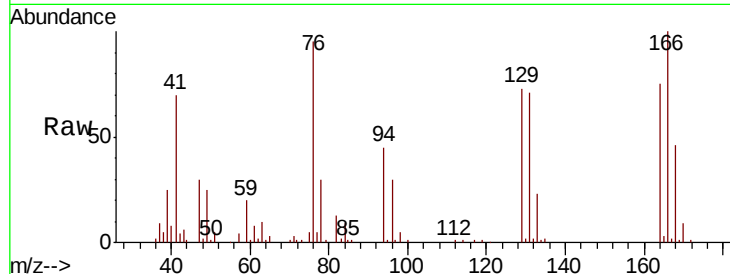
#64
Tetrachloroethene
Concen: 45.728 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.8	101.9	152.9
129	96.6	74.9	112.3
131	93.8	75.4	113.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM



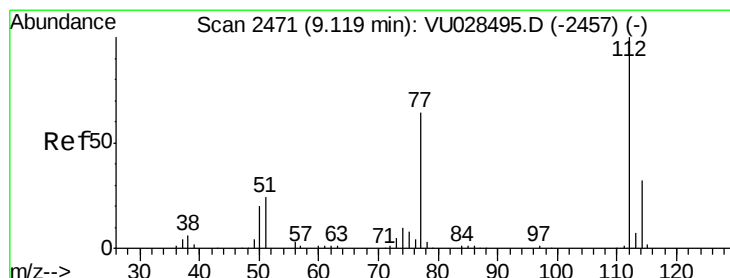
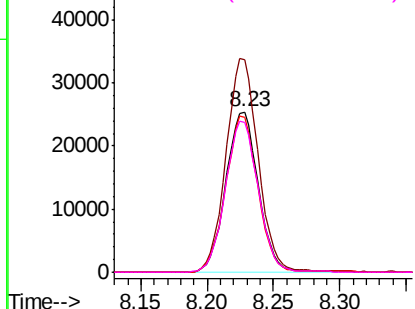
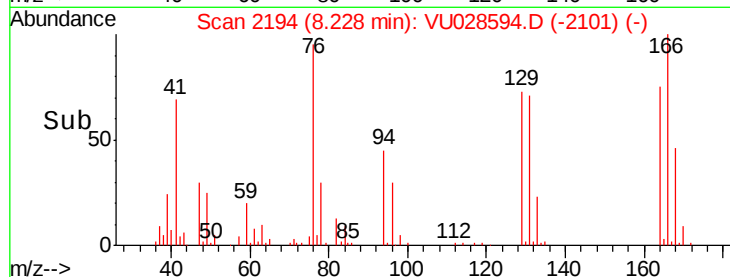
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

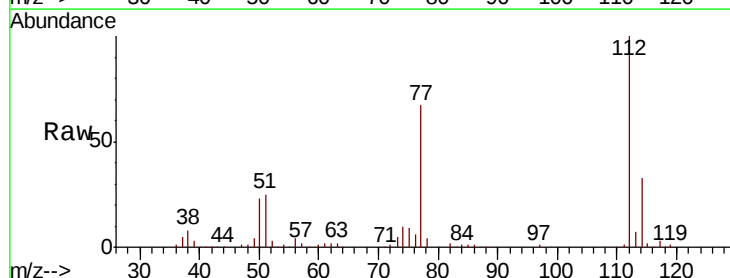
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 48.050 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

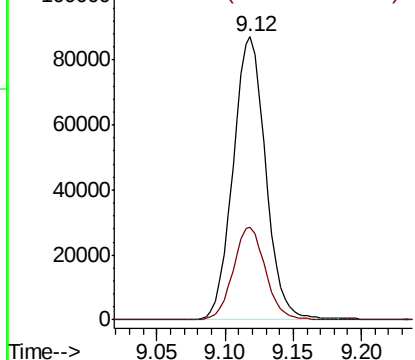
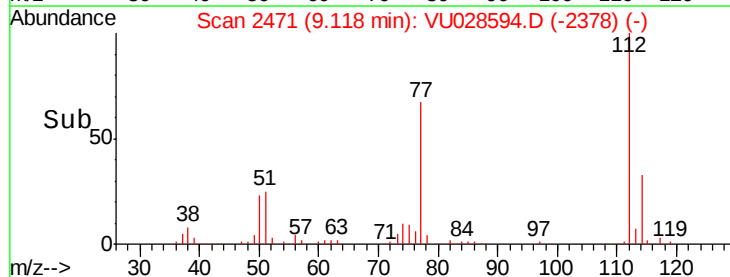
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.3	37.9

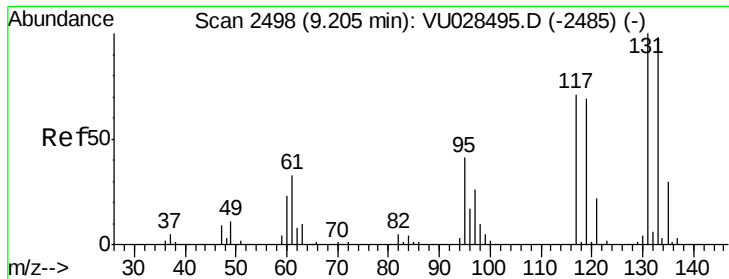


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





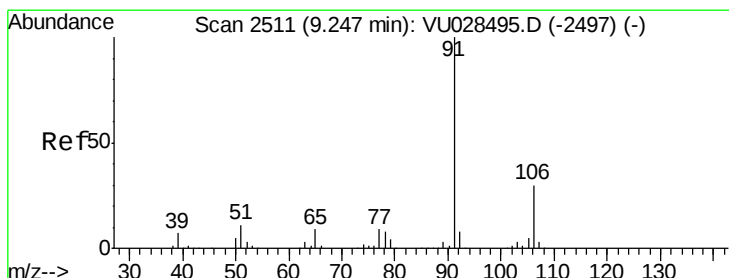
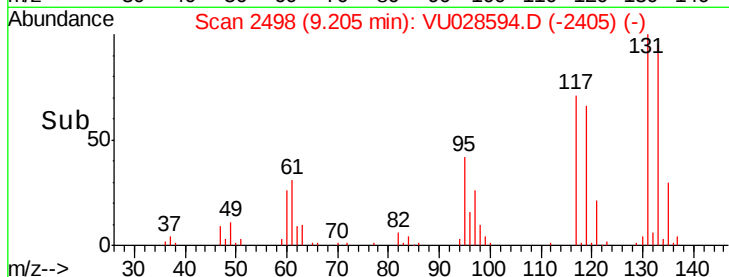
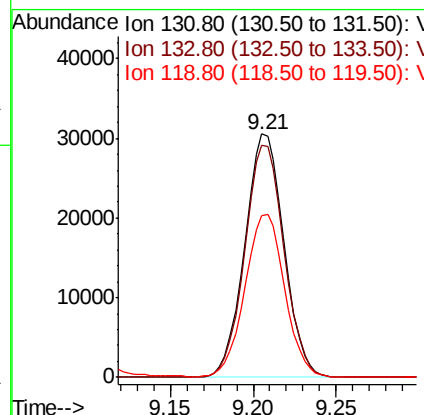
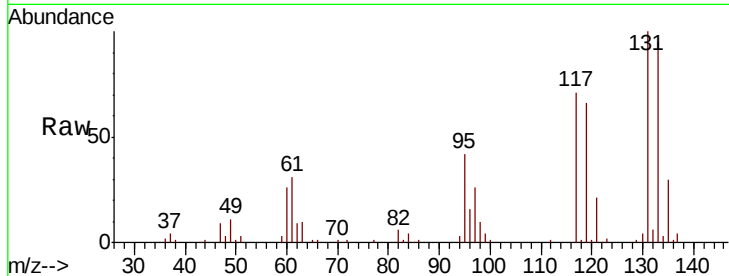
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.039 ug/l
 RT: 9.21 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.0	144.0
119	68.1	34.6	103.9

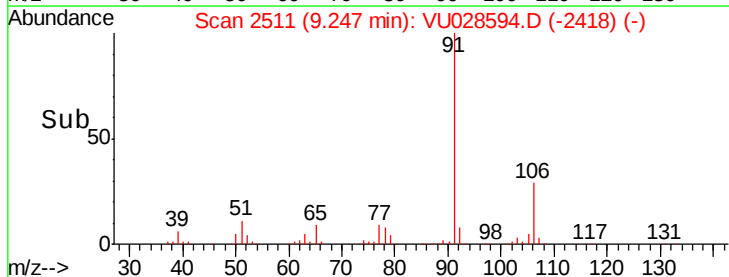
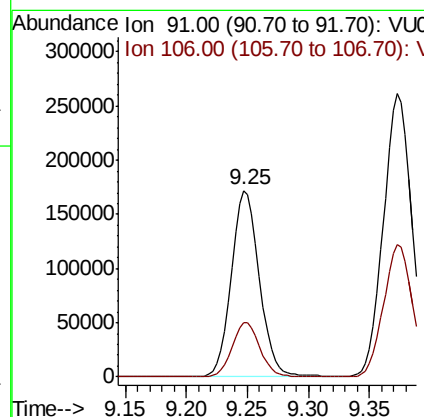
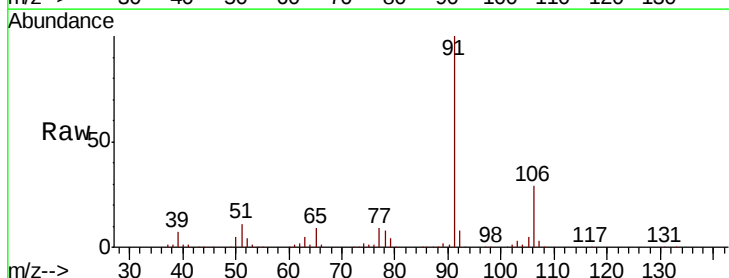
Manual Integrations
 APPROVED

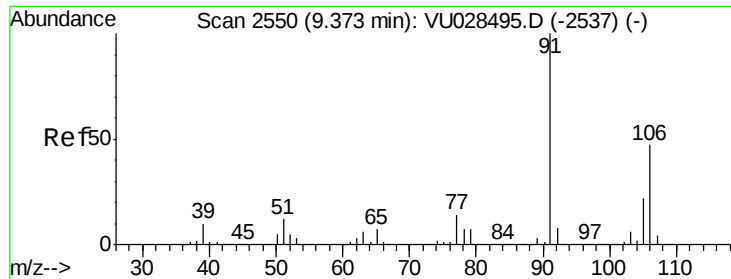
MMDadoda
 12/11/2018 3:02:31 PM



#67
 Ethyl Benzene
 Concen: 50.008 ug/l
 RT: 9.25 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.1	36.1





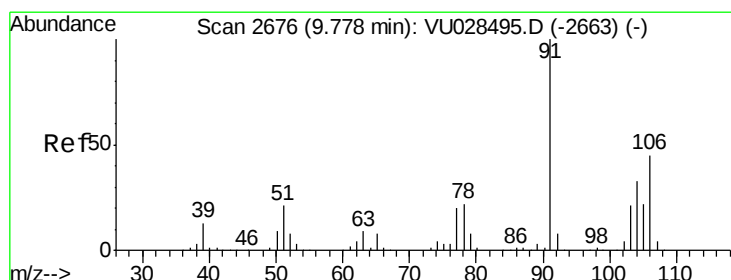
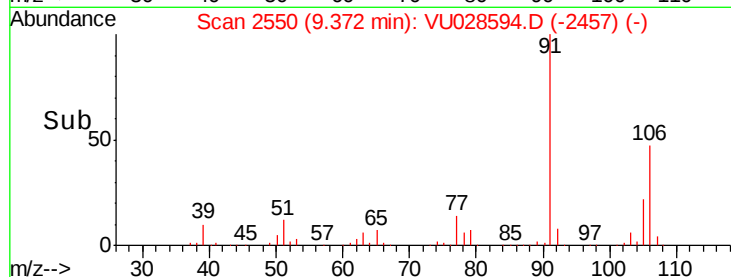
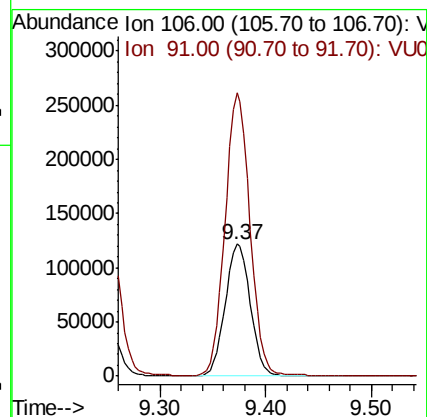
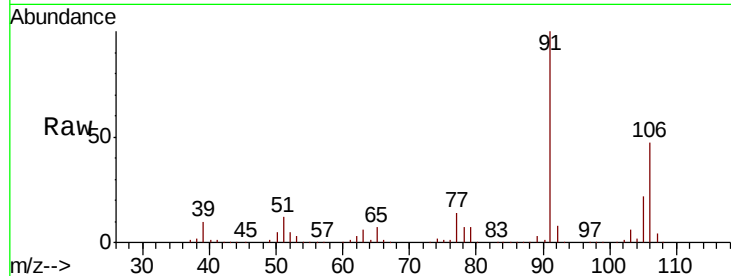
#68
m/p-Xylenes
Concen: 99.995 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion:106 Resp: 201804
Ion Ratio Lower Upper
106 100
91 211.9 167.4 251.0

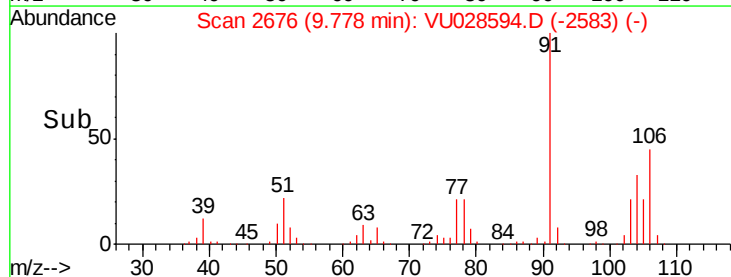
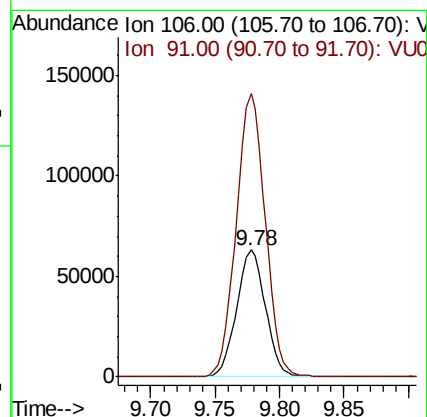
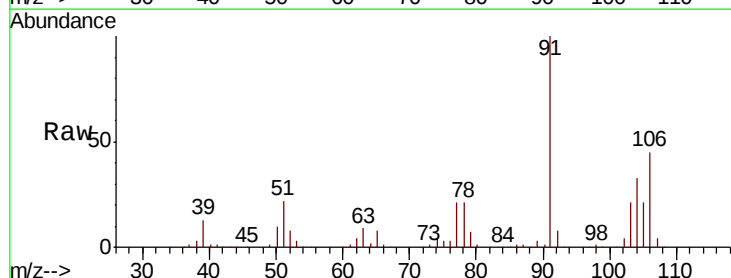
Manual Integrations
APPROVED

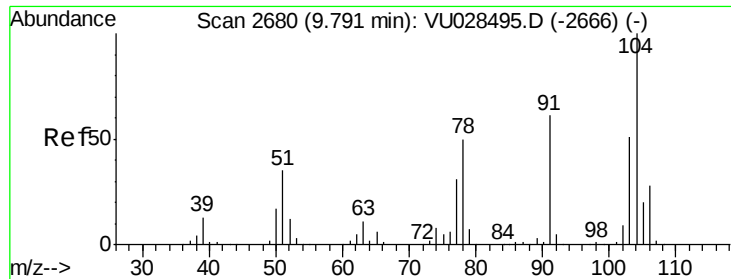
MMDadoda
12/11/2018 3:02:31 PM



#69
o-Xylene
Concen: 50.188 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion:106 Resp: 98431
Ion Ratio Lower Upper
106 100
91 224.1 111.3 334.0





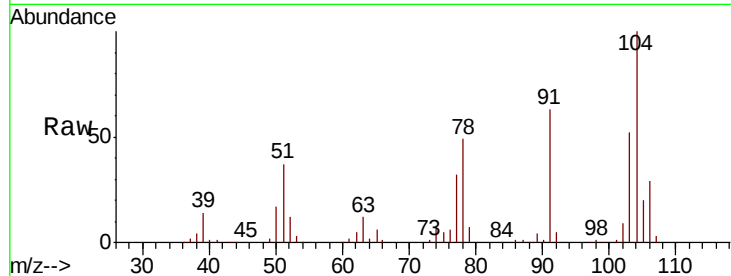
#70
Stvrene
Concen: 50.284 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.0	64.6
103	55.3	44.2	66.4

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM

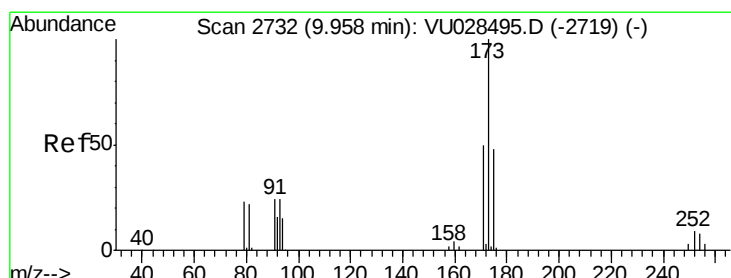
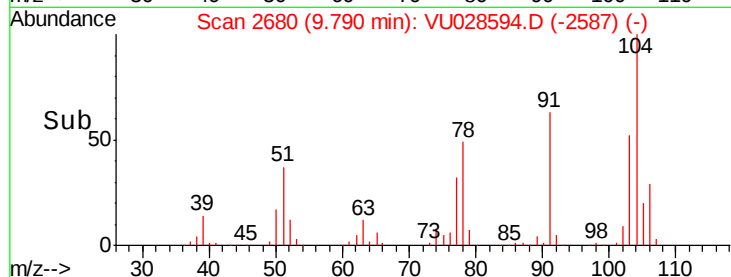
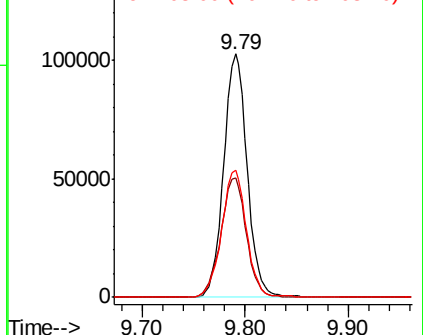


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 53.145 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

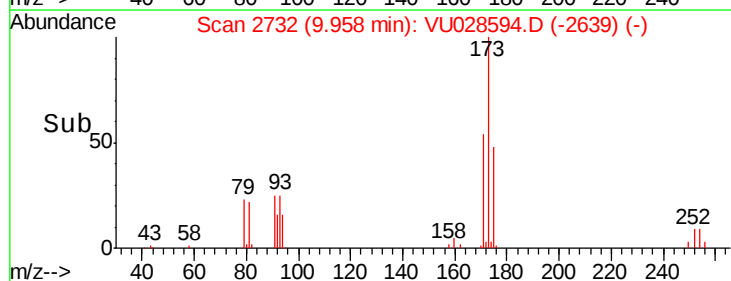
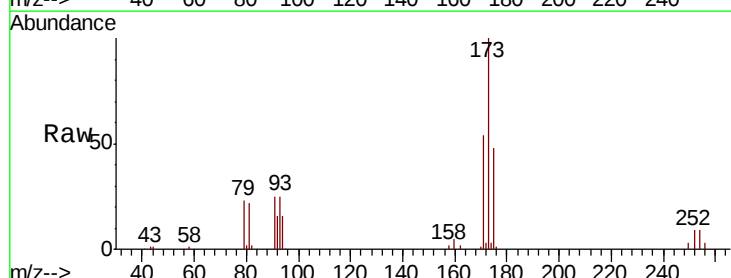
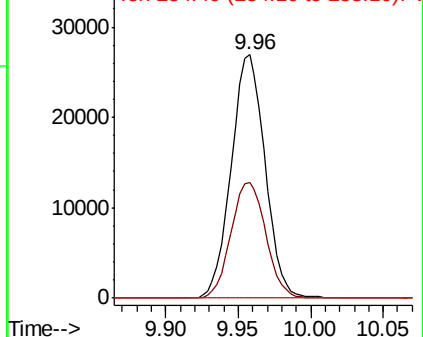
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.9	71.8
254	0.0	0.0	0.0

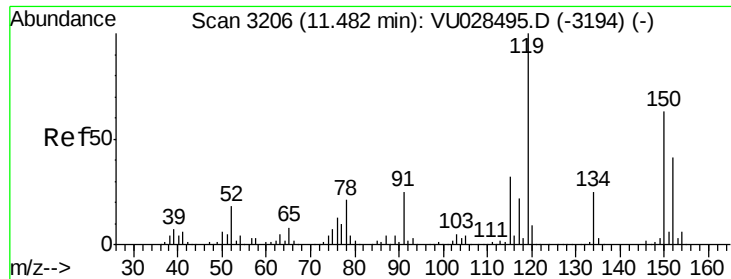
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion:152 Resp: 70079

Ion Ratio Lower Upper

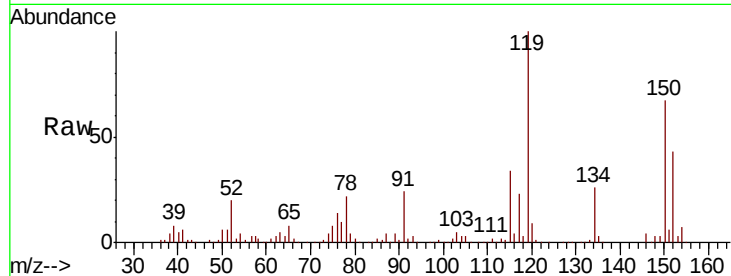
152 100

115 84.4 42.7 128.1

150 171.9 0.0 346.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM

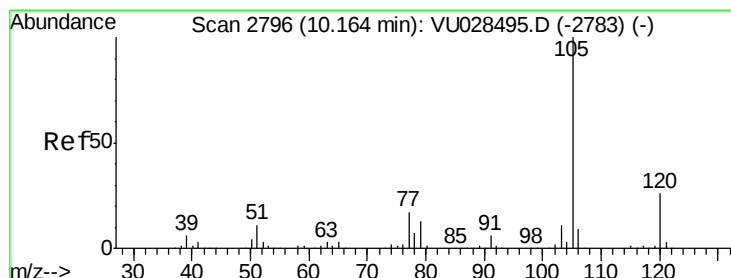
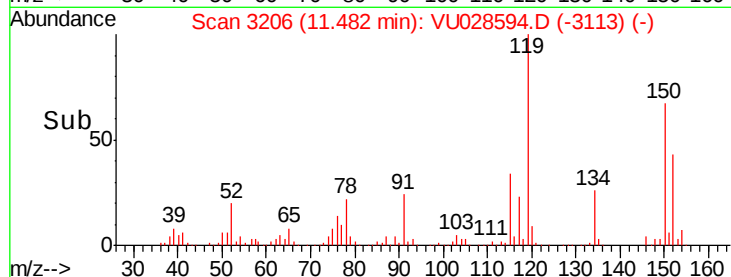
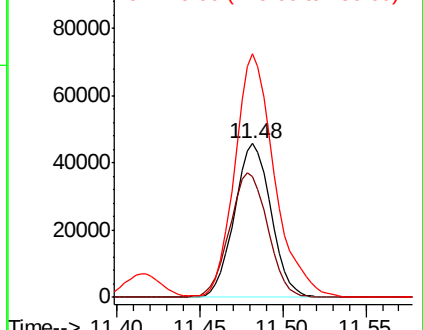


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 47.802 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028594.D

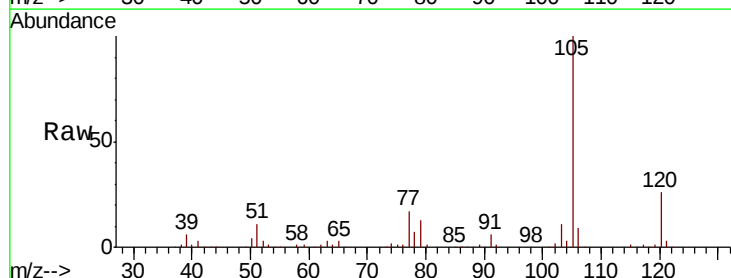
Acq: 11 Dec 2018 09:18

Tgt Ion:105 Resp: 257050

Ion Ratio Lower Upper

105 100

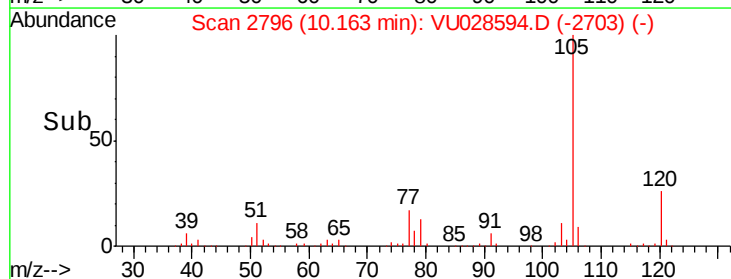
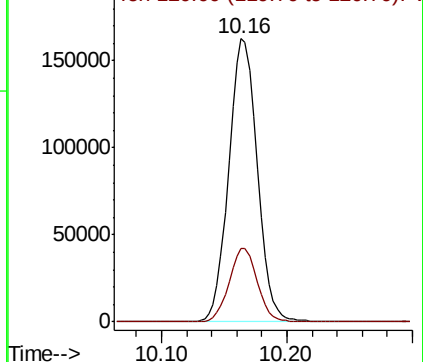
120 25.6 12.9 38.6

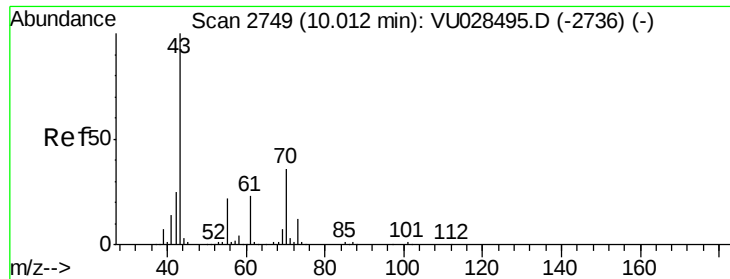


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 51.013 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028594.D

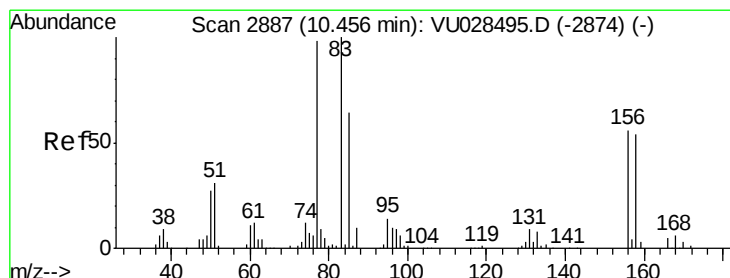
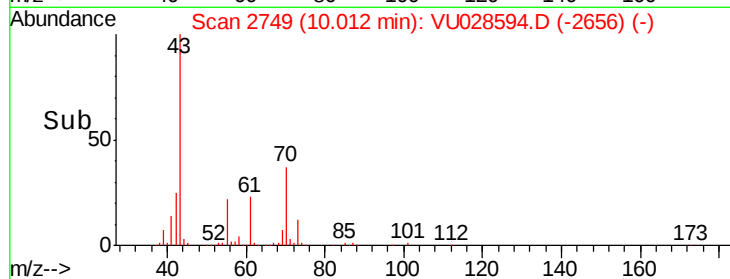
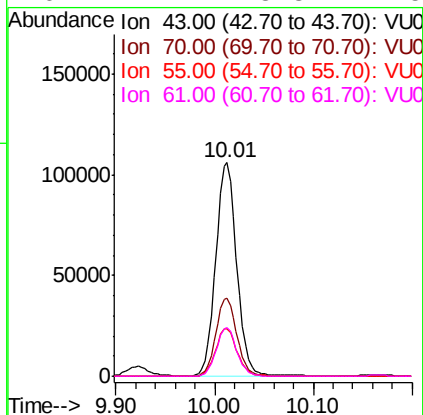
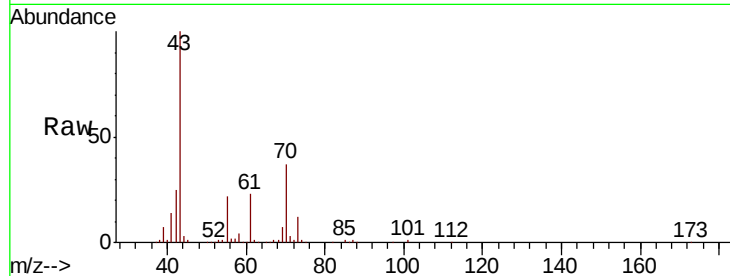
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		158233		
70	36.5	29.3	43.9		
55	23.3	18.0	27.0		
61	22.4	18.3	27.5		

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 57.050 ug/l

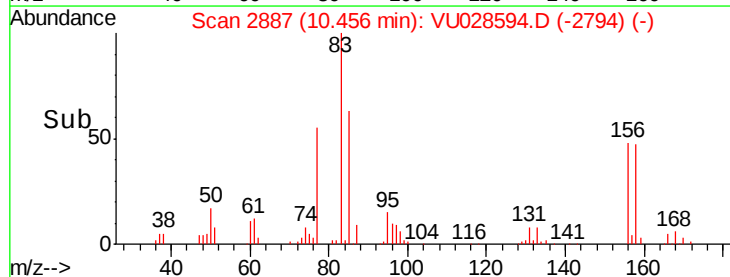
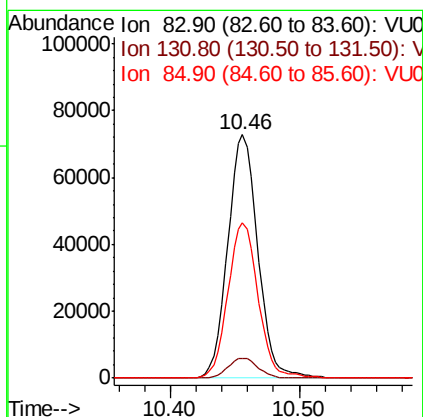
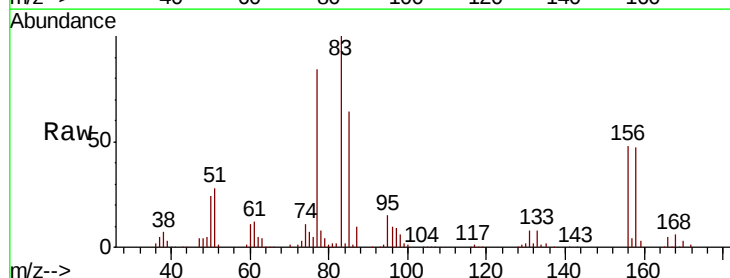
RT: 10.46 min Scan# 2887

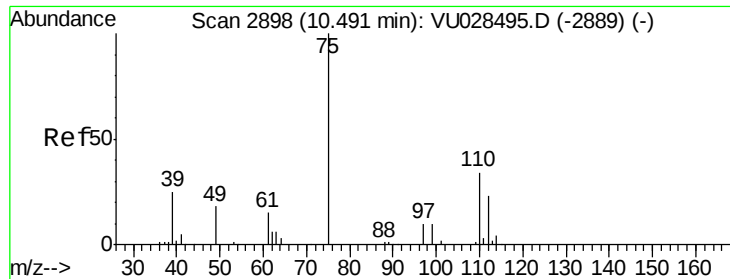
Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		117849		
131	8.1	4.2	12.4		
85	64.2	31.8	95.4		





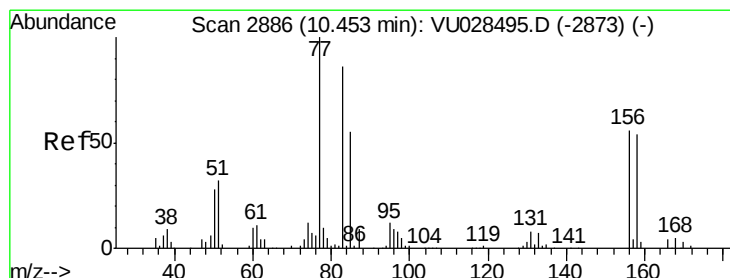
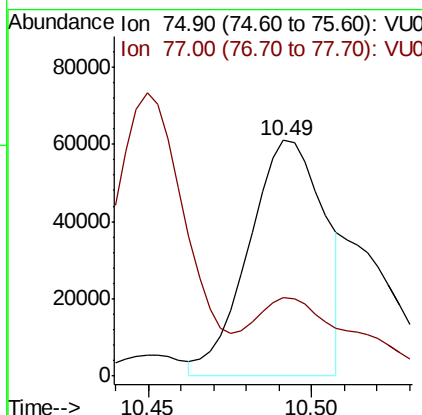
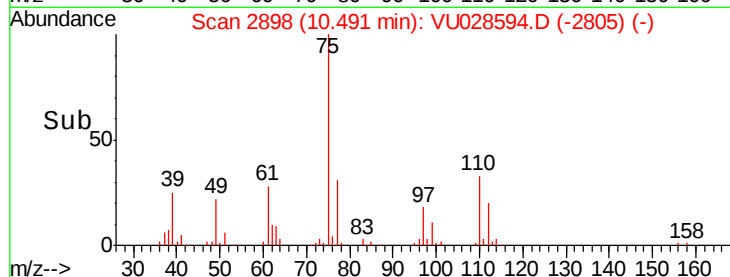
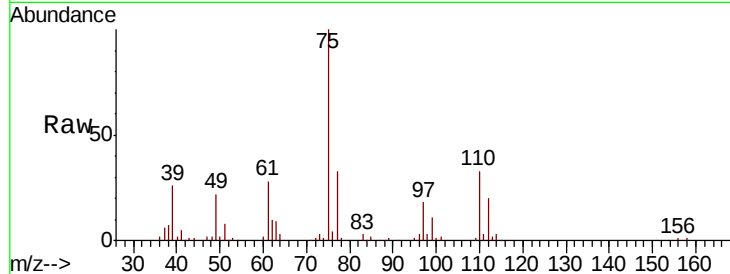
#76
 1,2,3-Trichloropropane
 Concen: 54.918 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion: 75 Resp: 98275
 Ion Ratio Lower Upper
 75 100
 77 45.7 20.8 62.4

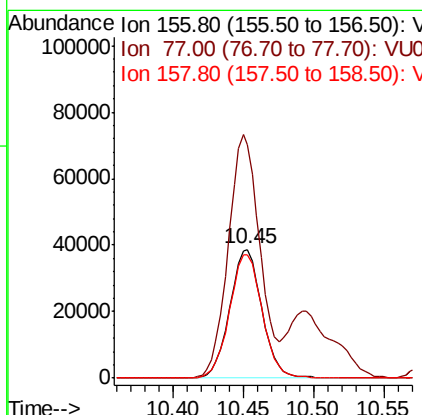
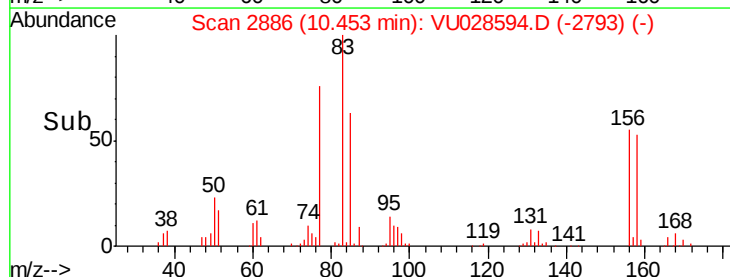
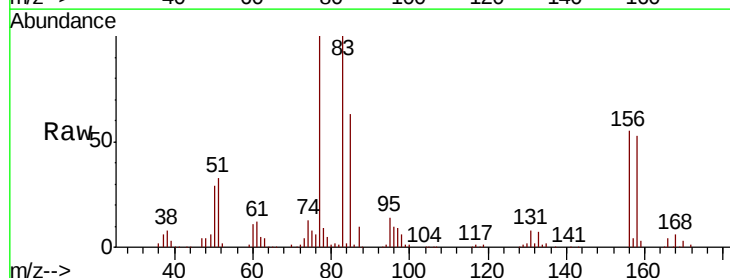
Manual Integrations
 APPROVED

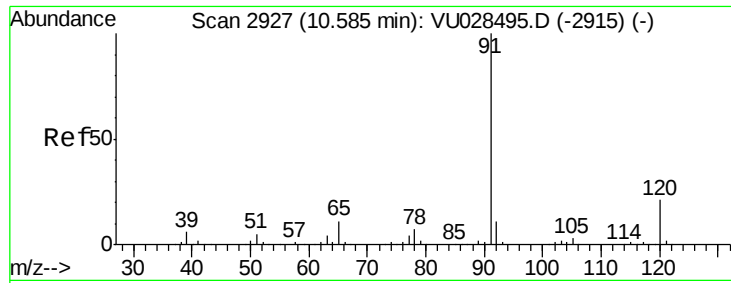
MMDadoda
 12/11/2018 3:02:31 PM



#77
 Bromobenzene
 Concen: 49.000 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion: 156 Resp: 61625
 Ion Ratio Lower Upper
 156 100
 77 187.0 92.4 277.2
 158 97.9 48.4 145.3





#78

n-propylbenzene

Concen: 47.682 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion: 91 Resp: 318605

Ion Ratio Lower Upper

91 100

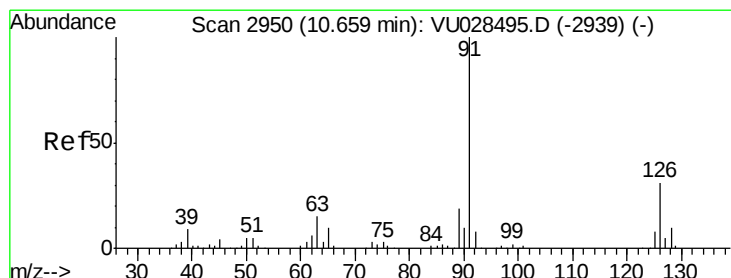
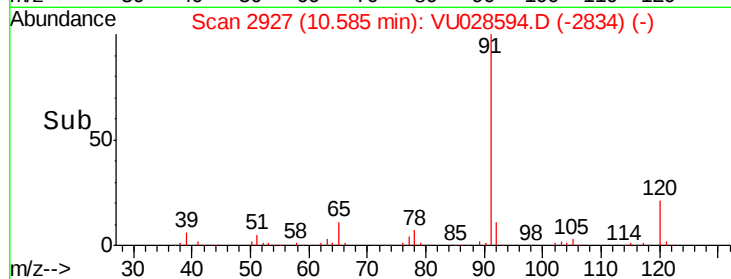
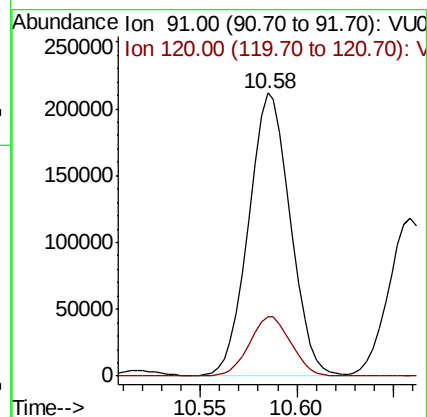
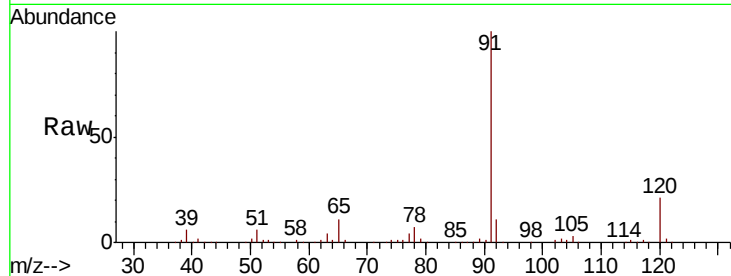
120 21.0 10.6 31.8

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:31 PM



#79

2-Chlorotoluene

Concen: 49.027 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028594.D

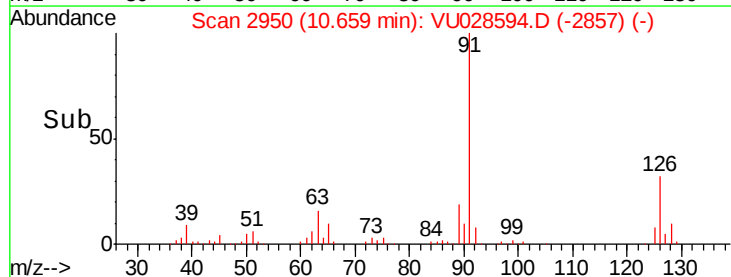
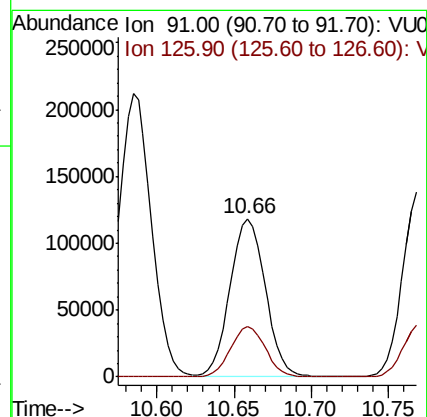
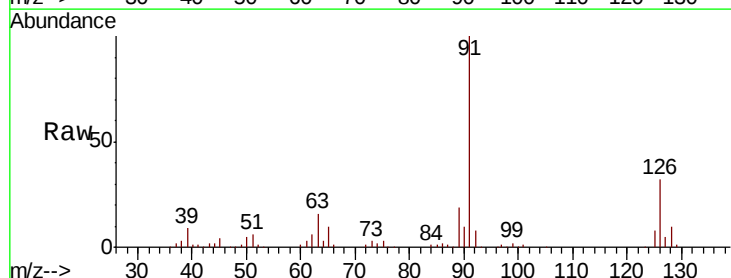
Acq: 11 Dec 2018 09:18

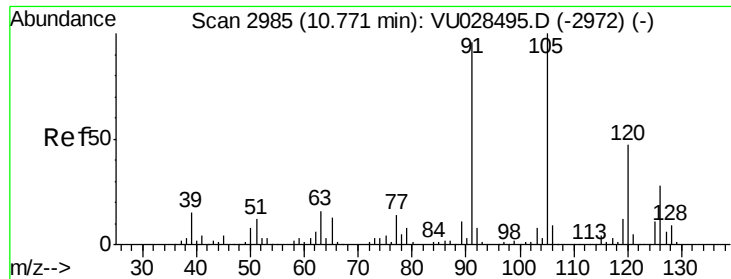
Tgt Ion: 91 Resp: 188701

Ion Ratio Lower Upper

91 100

126 31.4 15.6 46.8





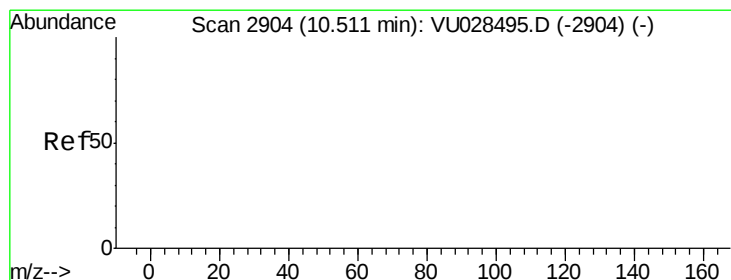
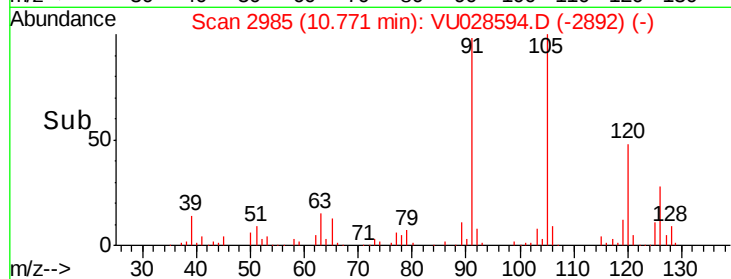
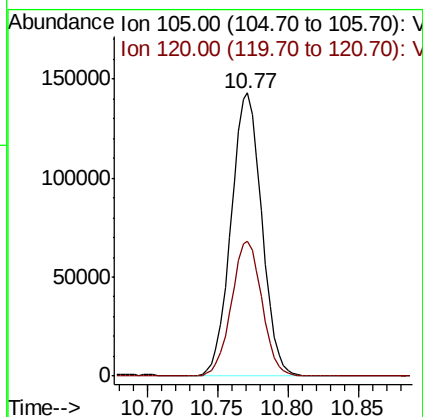
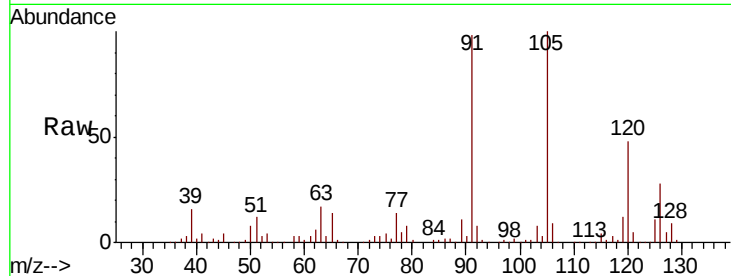
#80
 1,3,5-Trimethylbenzene
 Concen: 48.939 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion: 105 Resp: 217839
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.7 71.1

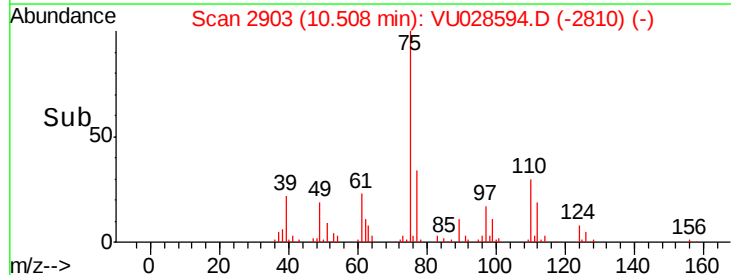
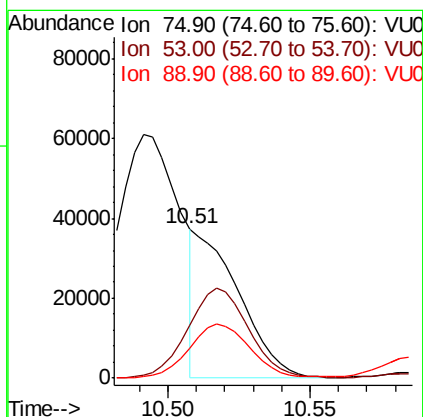
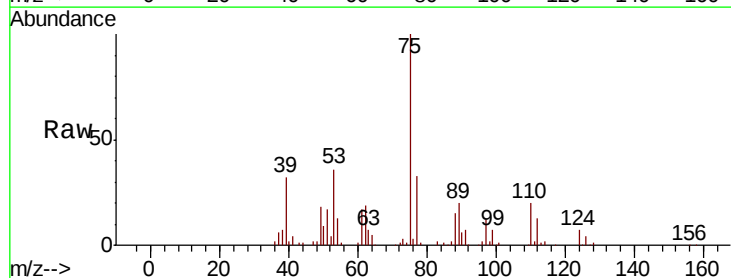
Manual Integrations
 APPROVED

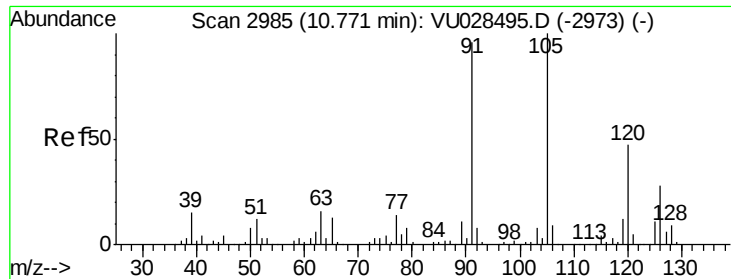
MMDadoda
 12/11/2018 3:02:31 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.970 ug/l m
 RT: 10.51 min Scan# 2903
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion: 75 Resp: 40047
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 47.629 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion: 91 Resp: 217239

Ion Ratio Lower Upper

91 100

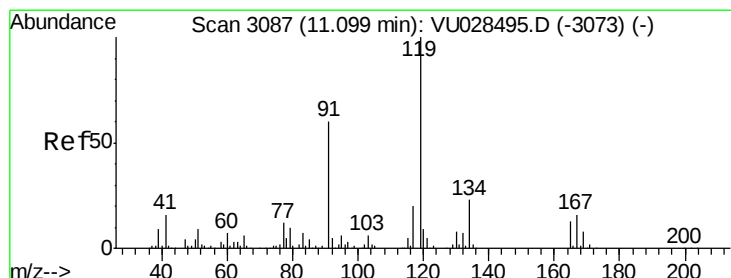
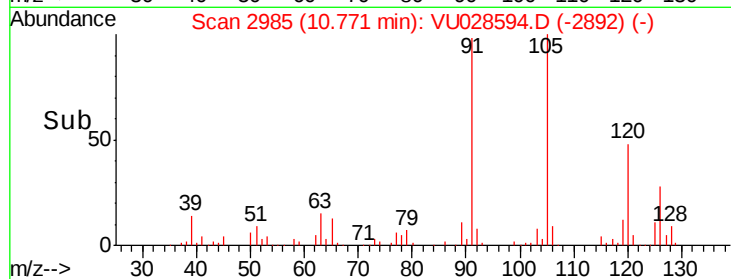
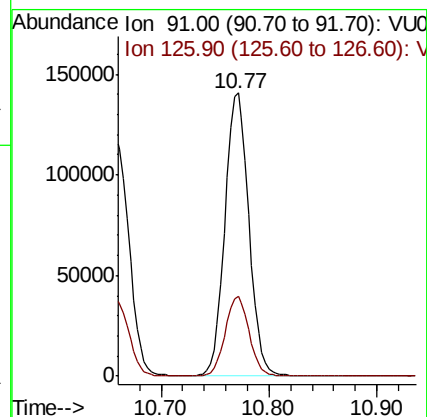
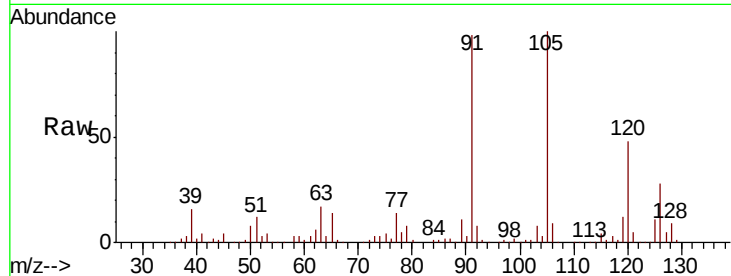
126 28.1 14.1 42.3

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:31 PM



#83

tert-Butylbenzene

Concen: 48.116 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

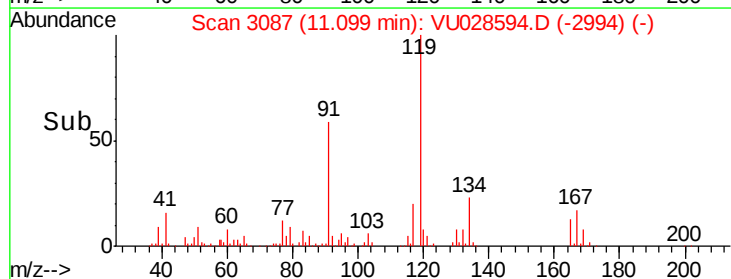
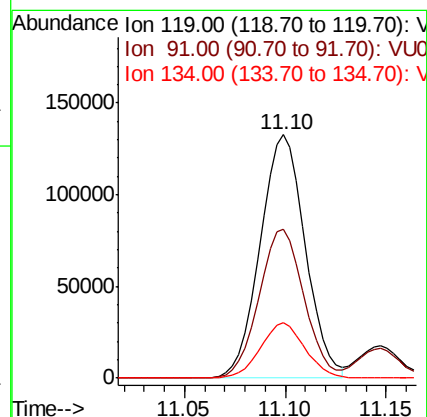
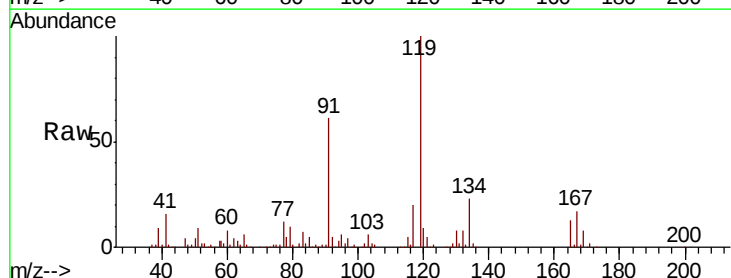
Tgt Ion: 119 Resp: 206435

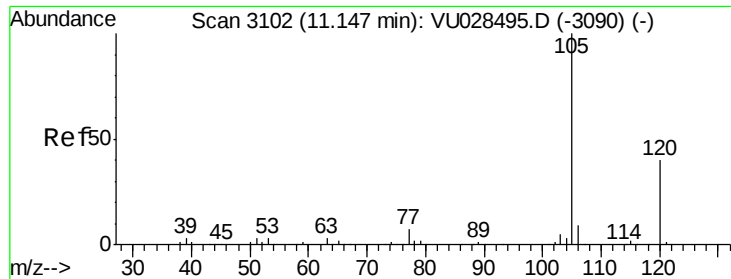
Ion Ratio Lower Upper

119 100

91 61.4 30.3 91.0

134 22.4 11.2 33.5





#84

1,2,4-Trimethylbenzene

Concen: 49.693 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion:105 Resp: 227961

Ion Ratio Lower Upper

105 100

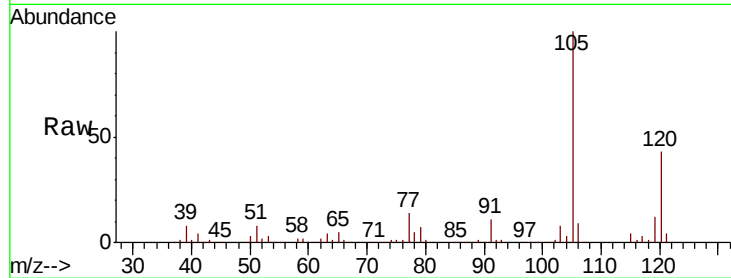
120 43.3 21.8 65.4

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:31 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.15

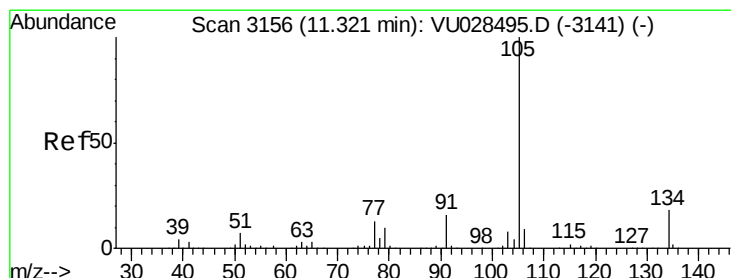
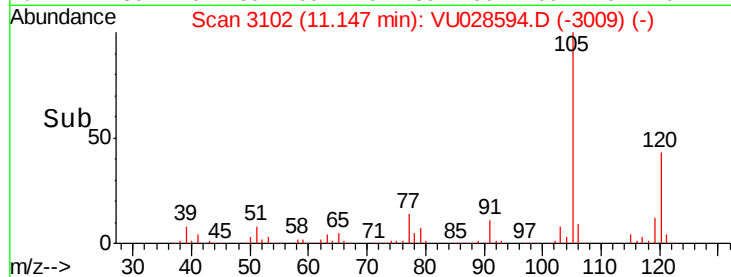
150000

100000

50000

0

Time-->



#85

sec-Butylbenzene

Concen: 47.254 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028594.D

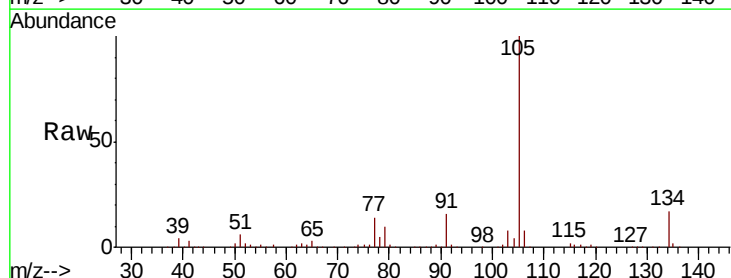
Acq: 11 Dec 2018 09:18

Tgt Ion:105 Resp: 260453

Ion Ratio Lower Upper

105 100

134 18.0 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

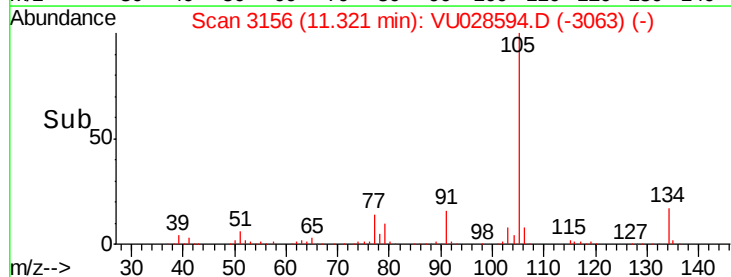
150000

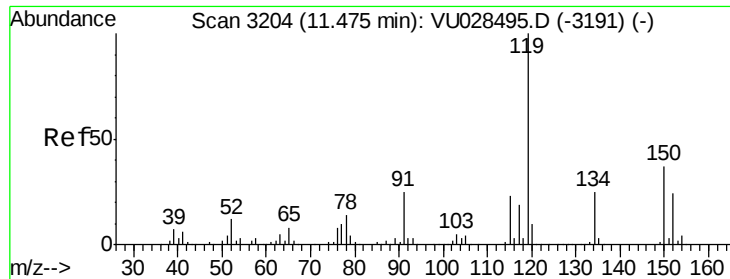
100000

50000

0

Time-->





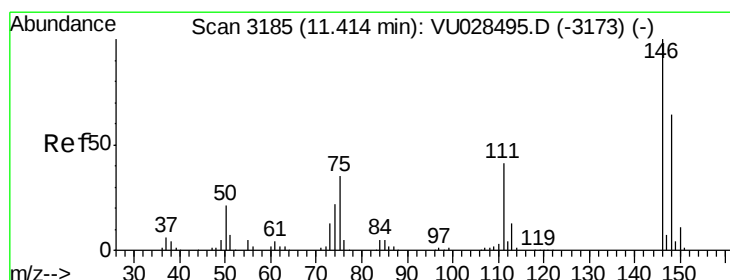
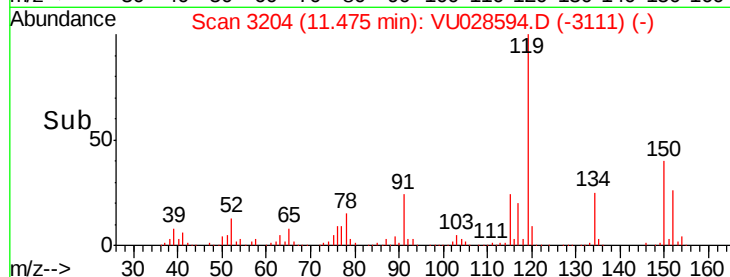
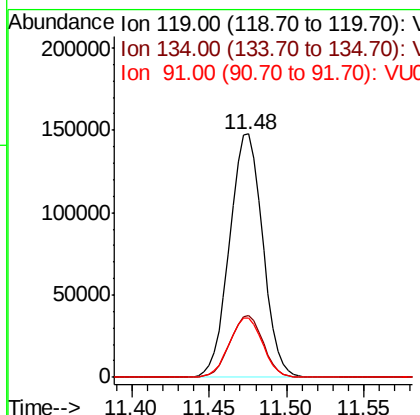
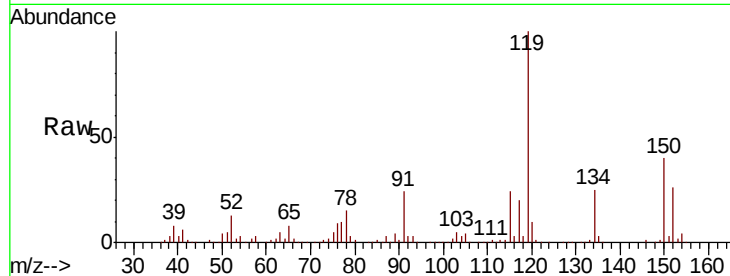
#86
p-Isopropyltoluene
Concen: 46.918 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	219672		
134	25.4	12.7	38.1	
91	24.8	12.6	37.6	

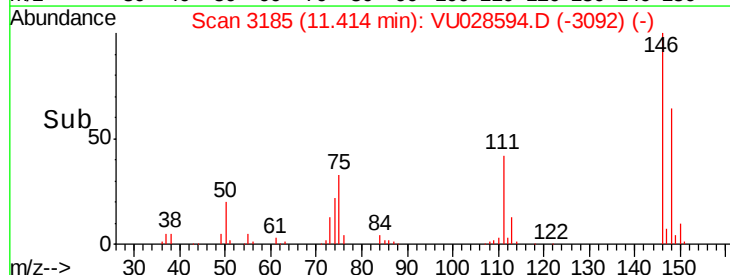
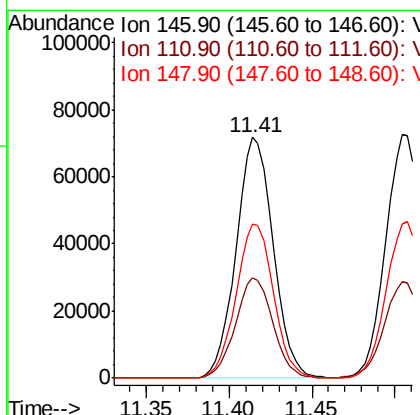
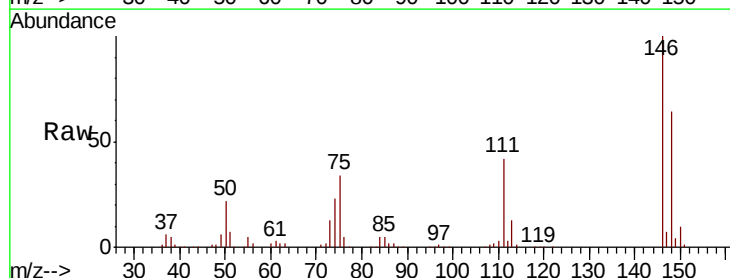
Manual Integrations
APPROVED

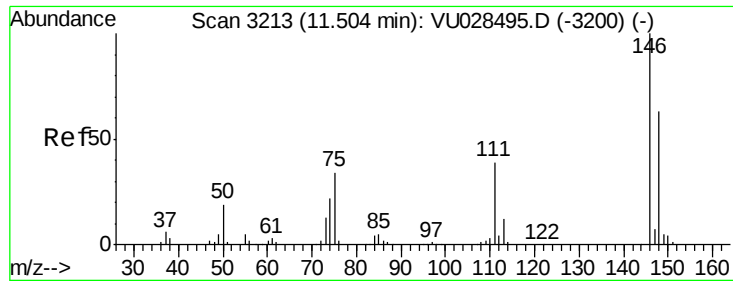
MMDadoda
12/11/2018 3:02:31 PM



#87
1,3-Dichlorobenzene
Concen: 47.011 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	111640		
111	41.8	20.7	62.1	
148	64.4	31.9	95.7	





#88

1,4-Dichlorobenzene

Concen: 45.955 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

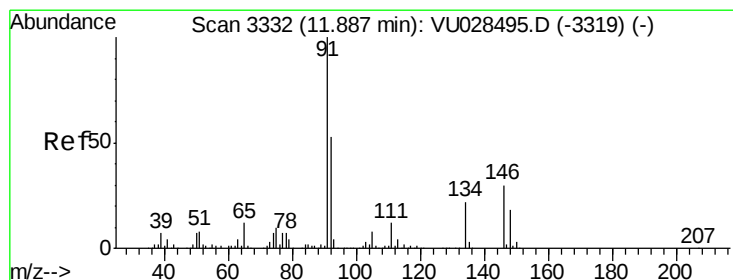
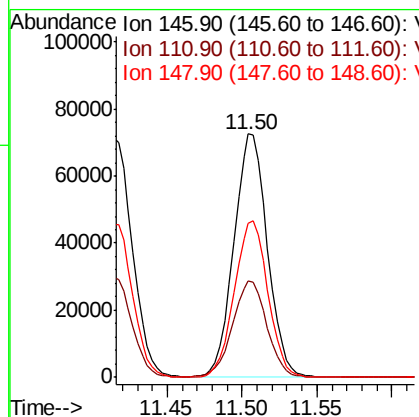
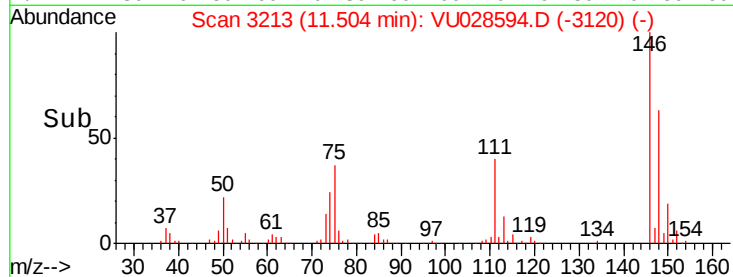
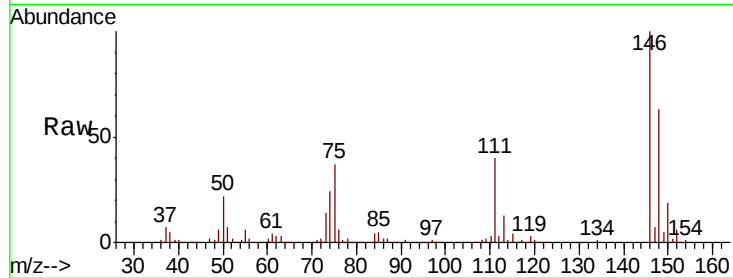
ClientSampleId :

P001-SW004-01MS

Tot Ion:	146	Resp:	112910
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.2	60.5
148	64.7	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM



#89

n-Butylbenzene

Concen: 44.375 ug/l

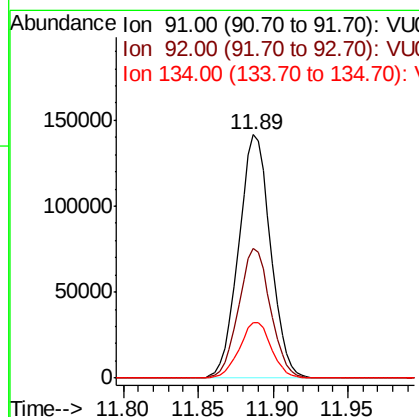
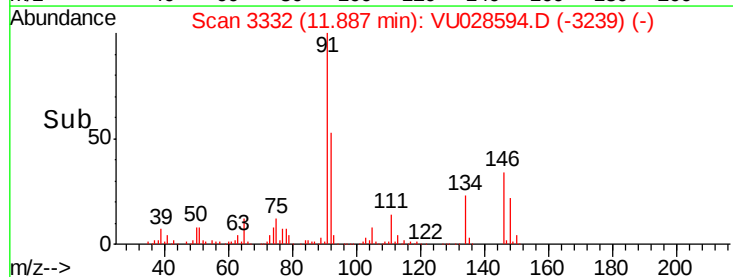
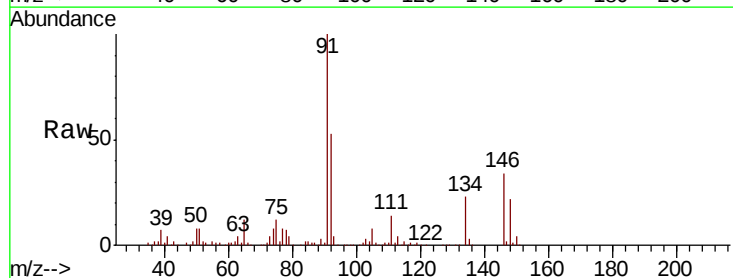
RT: 11.89 min Scan# 3332

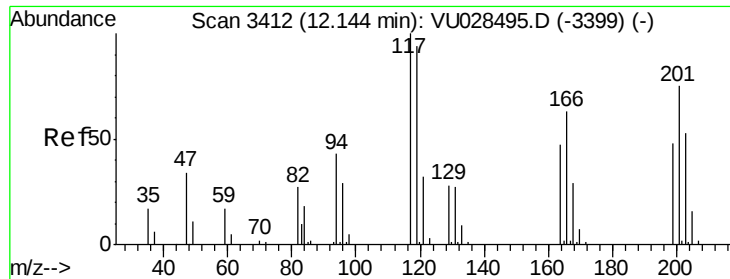
Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Tgt Ion:	91	Resp:	210268
Ion Ratio	Lower	Upper	
91	100		
92	53.1	26.3	78.9
134	22.9	11.3	33.8





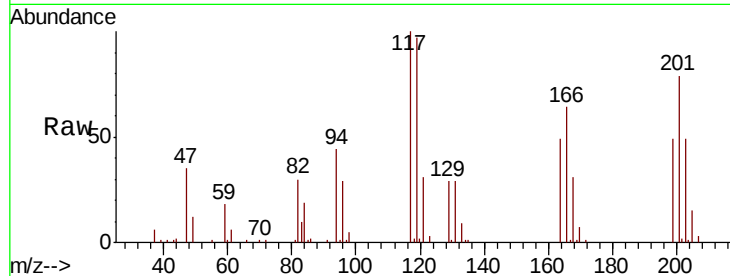
#90
Hexachloroethane
Concen: 45.170 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

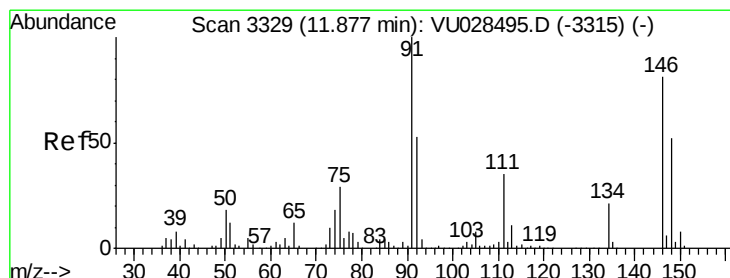
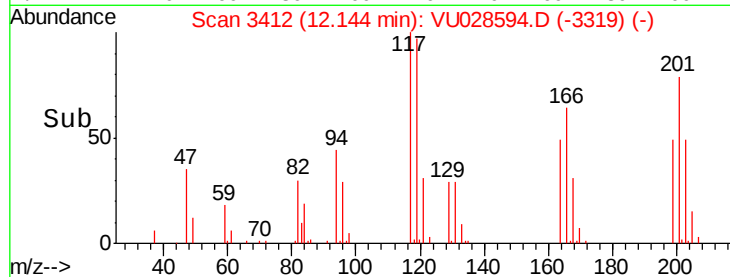
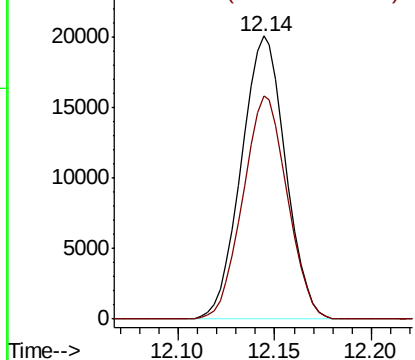
Tot Ion:117 Resp: 31966
Ion Ratio Lower Upper
117 100
201 79.0 38.1 114.5

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM

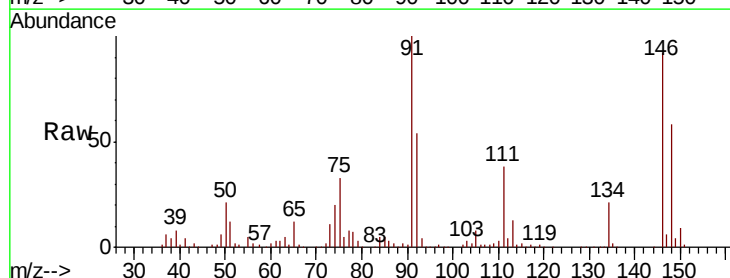


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

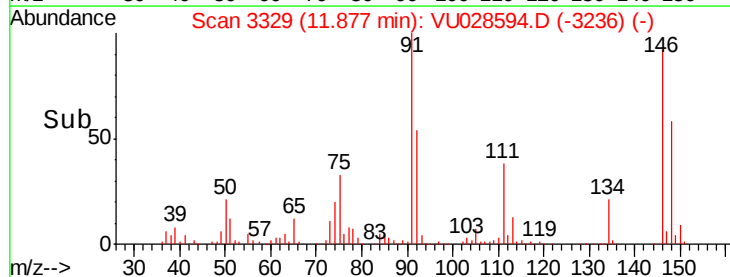
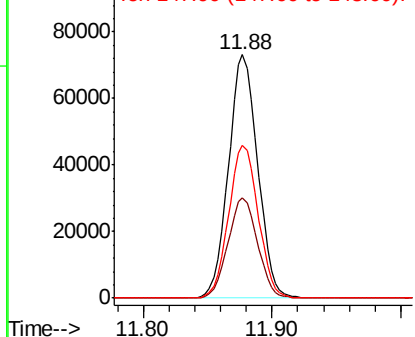


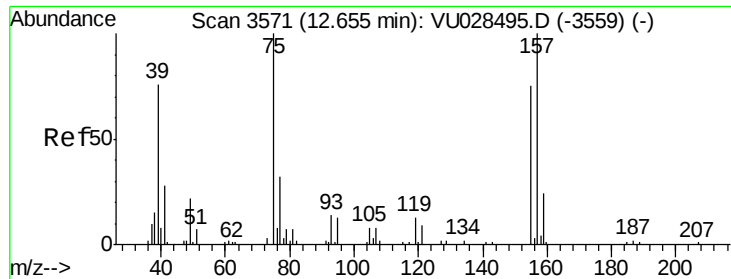
#91
1,2-Dichlorobenzene
Concen: 48.313 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion:146 Resp: 114764
Ion Ratio Lower Upper
146 100
111 41.8 21.1 63.4
148 63.4 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 67.079 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

Tot Ion: 75 Resp: 29999

Ion Ratio Lower Upper

75 100

155 75.7 38.1 114.5

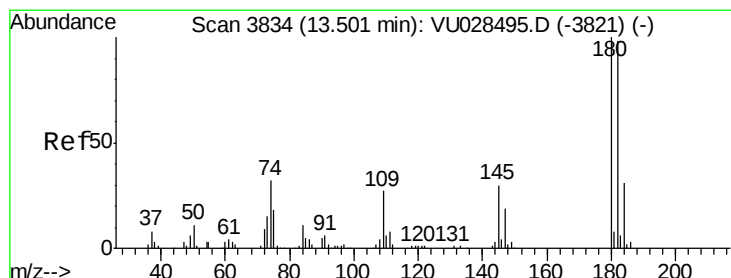
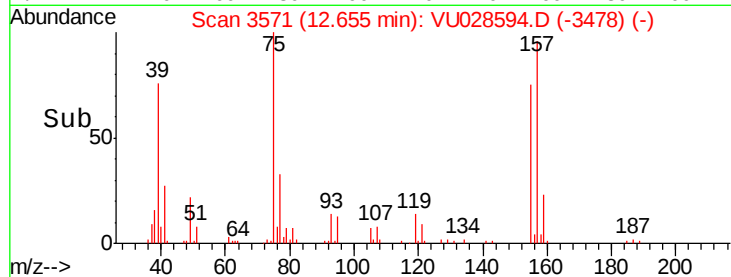
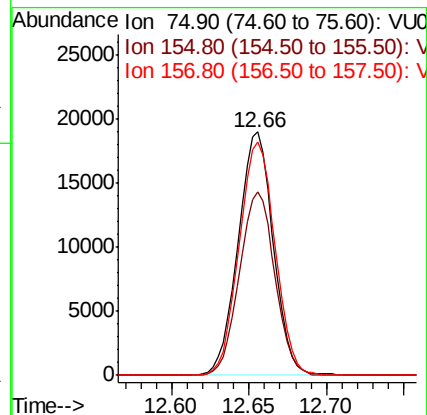
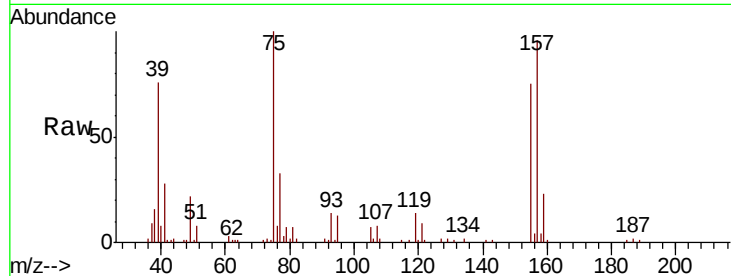
157 97.9 48.7 146.1

Manual Integrations

APPROVED

MMDadoda

12/11/2018 3:02:31 PM



#93

1,2,4-Trichlorobenzene

Concen: 46.437 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

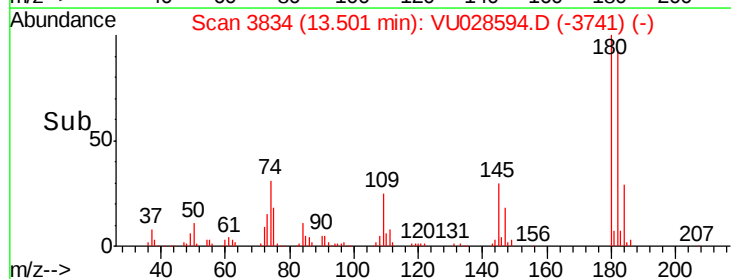
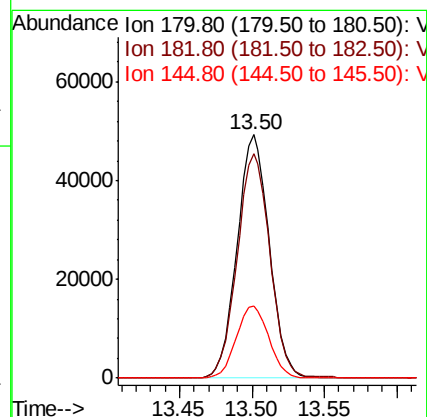
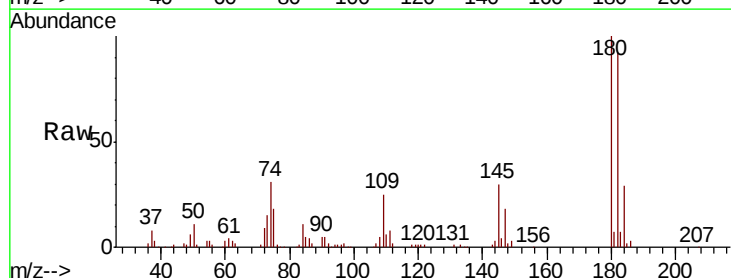
Tgt Ion: 180 Resp: 75699

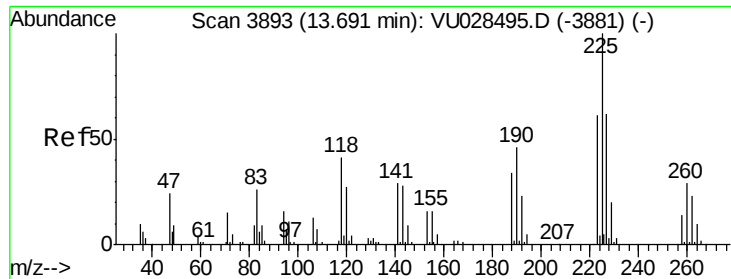
Ion Ratio Lower Upper

180 100

182 93.7 47.9 143.8

145 29.9 15.0 45.1





#94

Hexachlorobutadiene

Concen: 42.394 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028594.D

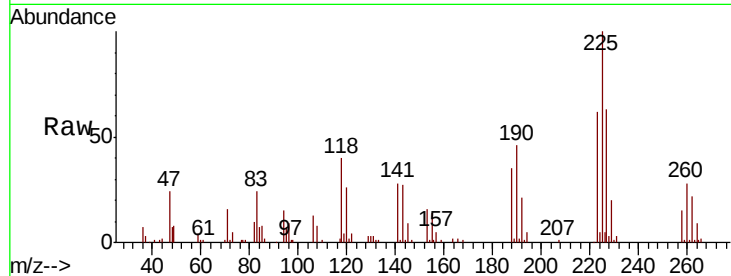
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

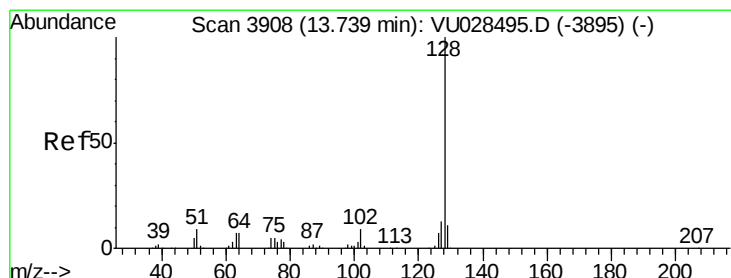
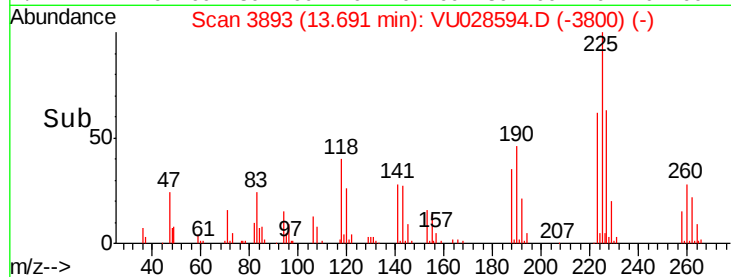
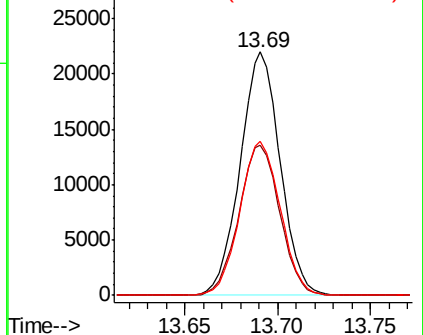
Tot Ion:	225	Resp:	32987
Ion Ratio		Lower	Upper
225	100		
223	62.9	30.4	91.2
227	63.9	30.7	92.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 3:02:31 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 53.522 ug/l

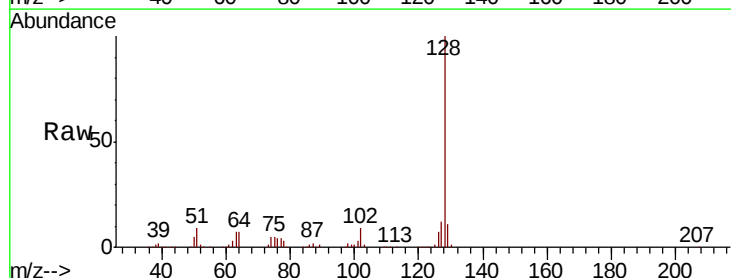
RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

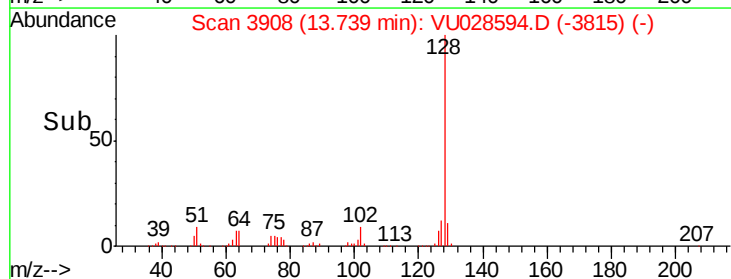
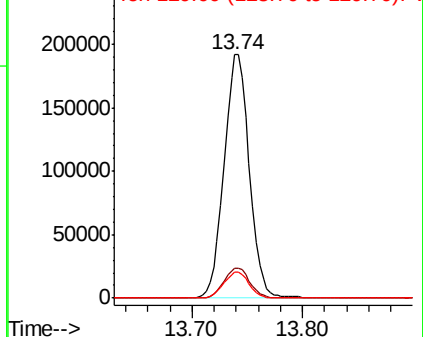
Lab File: VU028594.D

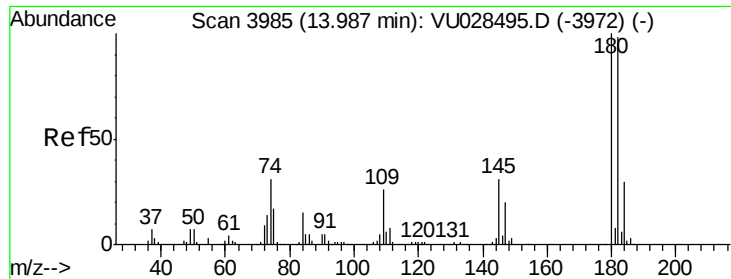
Acq: 11 Dec 2018 09:18

Tgt Ion:	128	Resp:	305081
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





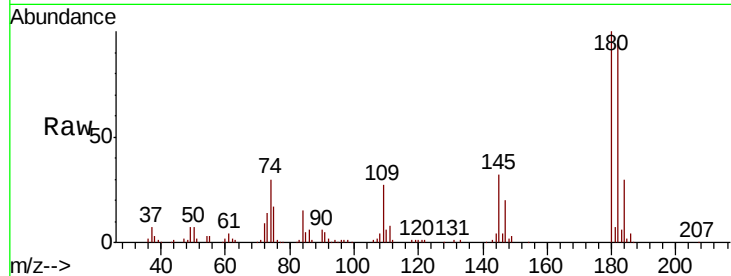
#96
 1,2,3-Trichlorobenzene
 Concen: 47.354 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.2	144.6
145	32.7	15.8	47.3

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 3:02:31 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

