

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028633.D
 Acq On : 12 Dec 2018 01:41
 Operator : MD/SY
 Sample : J6347-08MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:49:06 AM

Quant Time: Dec 12 05:56:33 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	81738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	147012	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	136873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65952	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	67334	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
35) Dibromofluoromethane	4.88	113	49271	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
50) Toluene-d8	7.56	98	193707	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	10.30	95	71183	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	56516	51.585	ug/l	100
3) Chloromethane	1.33	50	97015	48.165	ug/l	98
4) Vinyl Chloride	1.40	62	73366	50.472	ug/l	99
5) Bromomethane	1.60	94	32834	56.075	ug/l	99
6) Chloroethane	1.68	64	41464	50.387	ug/l	100
7) Trichlorofluoromethane	1.88	101	76686	50.144	ug/l	99
8) Diethyl Ether	2.10	74	33481	46.793	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	44247	48.376	ug/l	99
10) Methyl Iodide	2.41	142	47008	65.500	ug/l	100
11) Tert butyl alcohol	2.83	59	88514	318.499	ug/l	99
12) 1,1-Dichloroethene	2.28	96	44157	48.521	ug/l	98
13) Acrolein	2.19	56	56167	253.521	ug/l	99
14) Allyl chloride	2.59	41	105605	49.052	ug/l	98
15) Acrylonitrile	2.93	53	222080	287.830	ug/l	99
16) Acetone	2.32	43	183333	225.233	ug/l	99
17) Carbon Disulfide	2.47	76	153162	46.717	ug/l	99
18) Methyl Acetate	2.61	43	119194	56.490	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	178788	51.824	ug/l	96
20) Methylene Chloride	2.70	84	58929	49.111	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	49503	48.312	ug/l	97
22) Diisopropyl ether	3.57	45	221080	52.806	ug/l	99
23) Vinyl Acetate	3.52	43	822113	238.064	ug/l	99
24) 1,1-Dichloroethane	3.44	63	110633	50.482	ug/l	99
25) 2-Butanone	4.26	43	311649	280.167	ug/l	99
26) 2,2-Dichloropropane	4.22	77	74642	42.985	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	59101	50.960	ug/l	97
28) Bromochloromethane	4.55	49	55301	55.508	ug/l	99
29) Tetrahydrofuran	4.64	42	215714	301.948	ug/l	98
30) Chloroform	4.67	83	99648	52.170	ug/l	97
31) Cyclohexane	4.99	56	110398	51.661	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	82393	51.938	ug/l	99
36) 1,1-Dichloropropene	5.13	75	78679	48.908	ug/l	98
37) Ethyl Acetate	4.38	43	108674	52.257	ug/l	100
38) Carbon Tetrachloride	5.13	117	64111	49.444	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028633.D
 Acq On : 12 Dec 2018 01:41
 Operator : MD/SY
 Sample : J6347-08MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:49:06 AM

Quant Time: Dec 12 05:56:33 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	88513	45.099	ug/l	97
40) Benzene	5.39	78	237984	50.228	ug/l	98
41) Methacrylonitrile	4.54	41	64589	56.712	ug/l	98
42) 1,2-Dichloroethane	5.40	62	83441	50.311	ug/l	99
43) Isopropyl Acetate	5.55	43	167104	50.802	ug/l	100
44) Trichloroethene	6.18	130	51935	49.297	ug/l	96
45) 1,2-Dichloropropane	6.43	63	69147	51.897	ug/l	99
46) Dibromomethane	6.56	93	40855	51.680	ug/l	99
47) Bromodichloromethane	6.76	83	77333	50.270	ug/l	99
48) Methyl methacrylate	6.62	41	91975	56.227	ug/l	98
49) 1,4-Dioxane	6.61	88	31137	1205.524	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	597324	287.920	ug/l	98
52) Toluene	7.64	92	138468	49.658	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	92735	50.616	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	97466	49.033	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	56743	51.479	ug/l	98
56) Ethyl methacrylate	8.02	69	102872	54.500	ug/l	99
57) 1,3-Dichloropropane	8.24	76	104437	51.042	ug/l	100
59) 2-Hexanone	8.36	43	465567	283.131	ug/l	99
60) Dibromochloromethane	8.48	129	54106	50.136	ug/l	99
61) 1,2-Dibromoethane	8.58	107	59875	51.800	ug/l	98
64) Tetrachloroethene	8.22	164	42082	46.093	ug/l	97
65) Chlorobenzene	9.12	112	143377	49.158	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	49264	52.894	ug/l	100
67) Ethyl Benzene	9.25	91	266848	49.769	ug/l	98
68) m/p-Xylenes	9.37	106	196296	100.614	ug/l	99
69) o-Xylene	9.78	106	96055	50.663	ug/l	99
70) Styrene	9.79	104	157946	50.339	ug/l	100
71) Bromoform	9.96	173	42854	54.087	ug/l #	98
73) Isopropylbenzene	10.16	105	249886	49.377	ug/l	100
74) N-amyl acetate	10.01	43	146006	50.016	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	108077	55.594	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	95197m	56.527	ug/l	
77) Bromobenzene	10.45	156	60490	51.108	ug/l	100
78) n-propylbenzene	10.58	91	309447	49.209	ug/l	99
79) 2-Chlorotoluene	10.66	91	184374	50.900	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	210271	50.195	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	33865m	49.447	ug/l	
82) 4-Chlorotoluene	10.77	91	210505	49.041	ug/l	100
83) tert-Butylbenzene	11.10	119	204814	50.725	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	215940	50.018	ug/l	99
85) sec-Butylbenzene	11.32	105	251458	48.477	ug/l	99
86) p-Isopropyltoluene	11.48	119	209420	47.527	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	109600	49.040	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	110253	47.682	ug/l	100
89) n-Butylbenzene	11.89	91	205330	46.044	ug/l	99
90) Hexachloroethane	12.14	117	33194	49.840	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	111801	50.011	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24876	59.105	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	72359	47.152	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121318\
Data File : VU028633.D
Acq On : 12 Dec 2018 01:41
Operator : MD/SY
Sample : J6347-08MSD
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

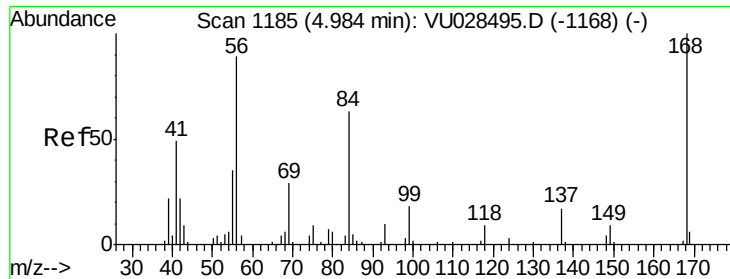
Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:06 AM

Quant Time: Dec 12 05:56:33 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	28657	39.134	ug/l	95
95) Naphthalene	13.74	128	274473	51.166	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	75445	49.348	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion:168 Resp: 81738

Ion Ratio Lower Upper

168 100

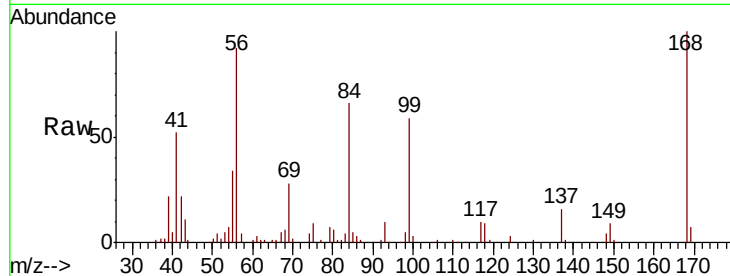
99 58.6 46.6 69.8

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:49:06 AM



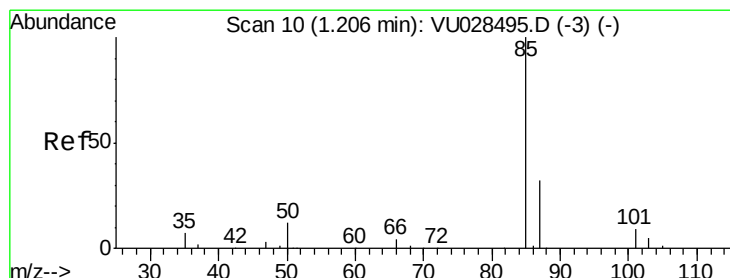
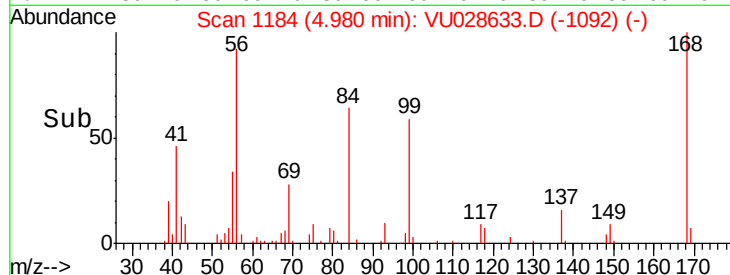
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.585 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028633.D

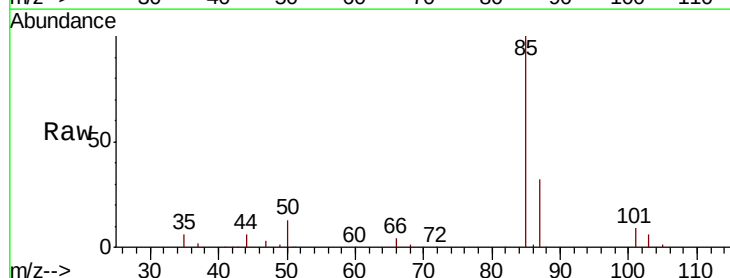
Acq: 12 Dec 2018 01:41

Tgt Ion: 85 Resp: 56516

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



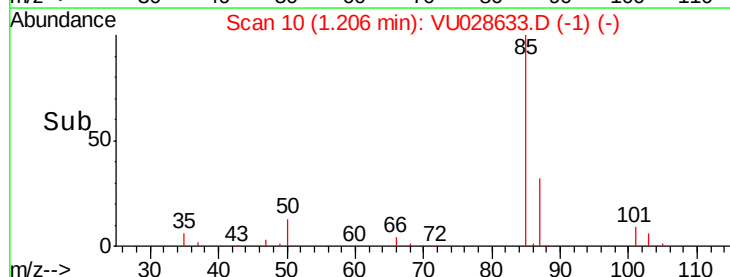
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

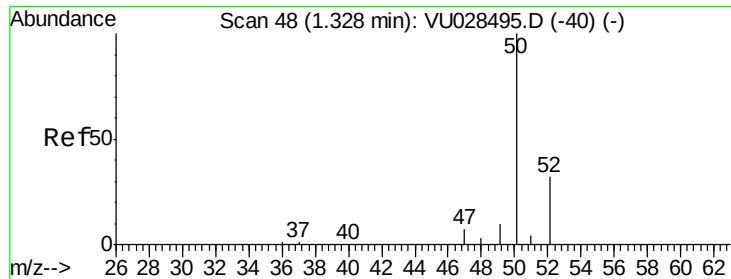
Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.165 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion: 50 Resp: 97015

Ion Ratio Lower Upper

50 100

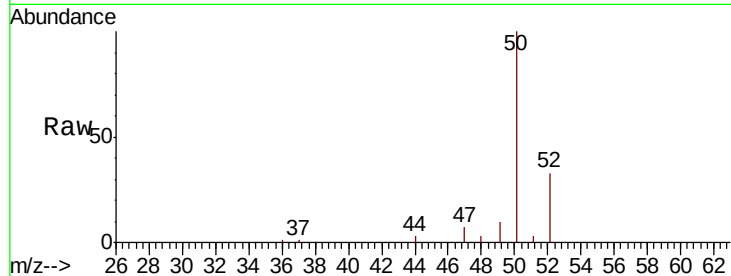
52 32.8 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:49:06 AM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

80000

60000

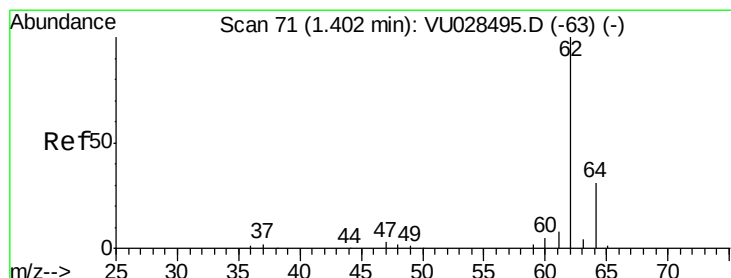
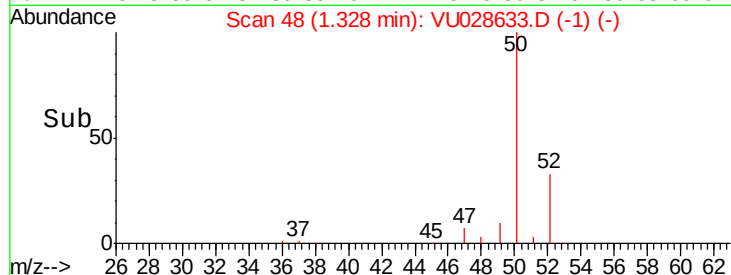
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 50.472 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028633.D

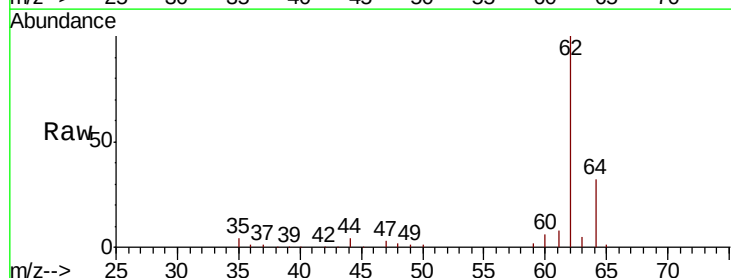
Acq: 12 Dec 2018 01:41

Tgt Ion: 62 Resp: 73366

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

80000

60000

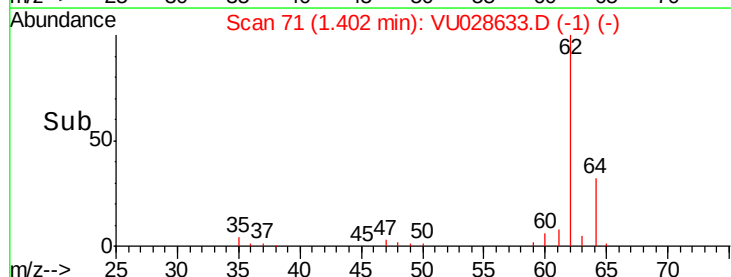
40000

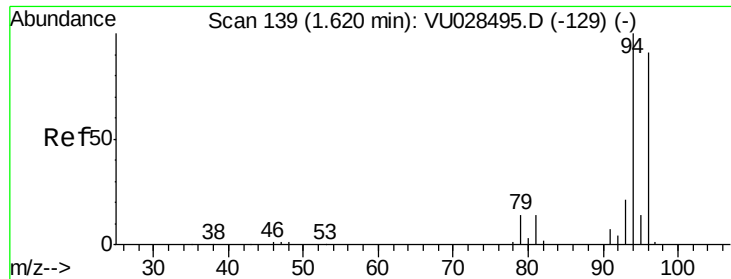
20000

0

1.35 1.40 1.45

Time-->





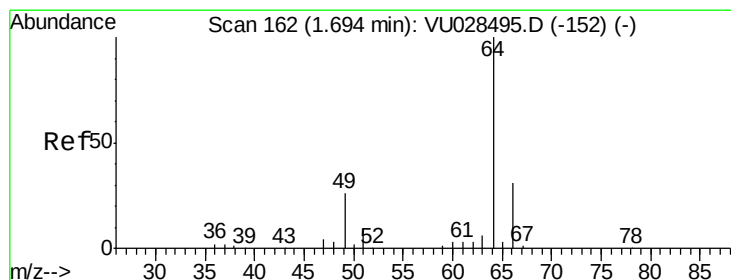
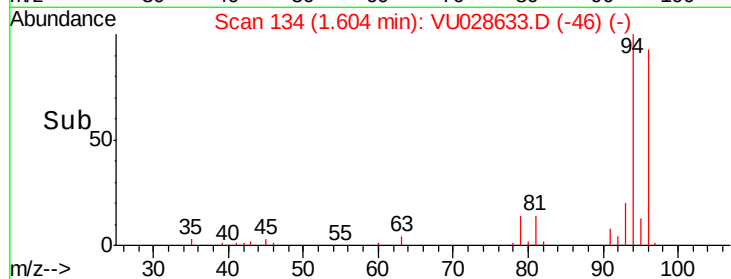
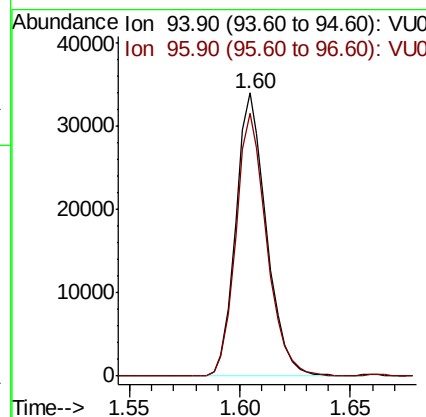
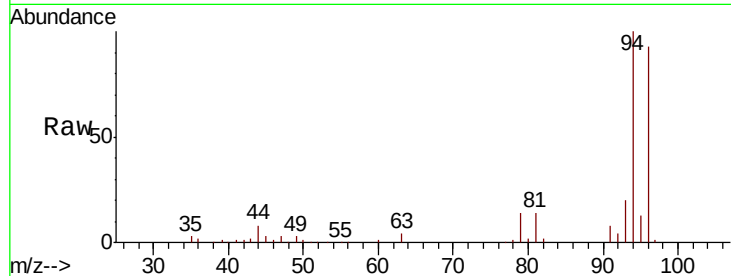
#5
Bromomethane
Concen: 56.075 ug/l
RT: 1.60 min Scan# 134
Delta R.T. -0.02 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion: 94 Resp: 32834
Ion Ratio Lower Upper
94 100
96 92.8 73.2 109.8

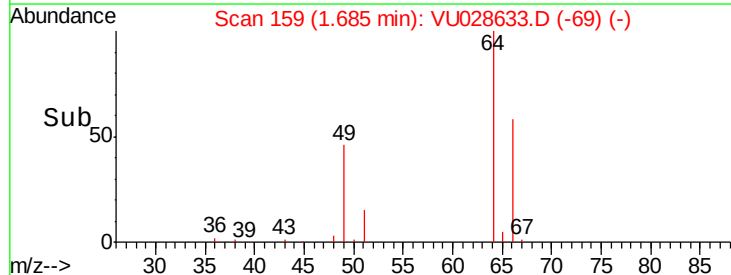
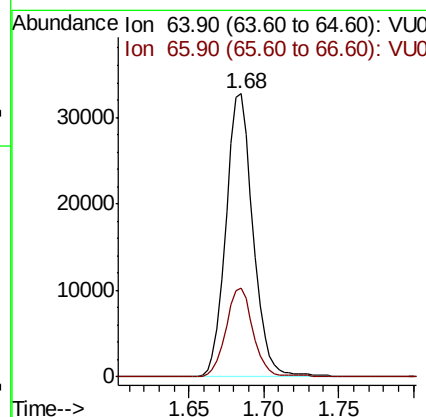
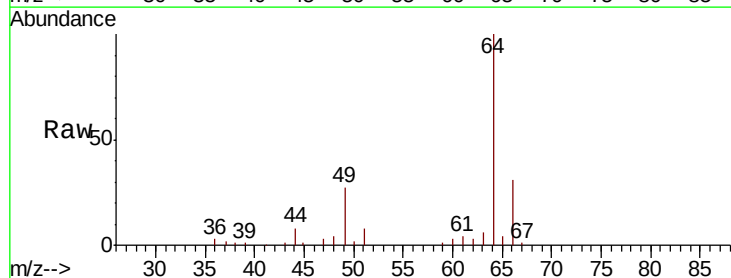
Manual Integrations
APPROVED

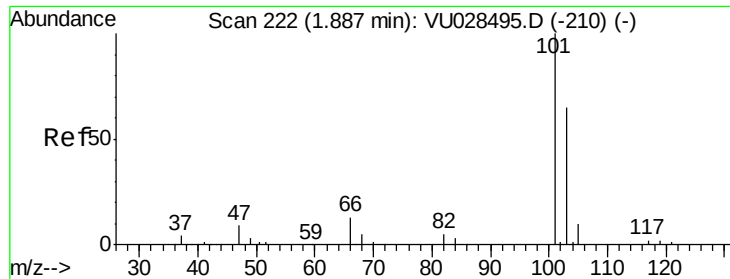
MMDadoda
12/12/2018 11:49:06 AM



#6
Chloroethane
Concen: 50.387 ug/l
RT: 1.68 min Scan# 159
Delta R.T. -0.01 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion: 64 Resp: 41464
Ion Ratio Lower Upper
64 100
66 31.5 25.0 37.6





#7

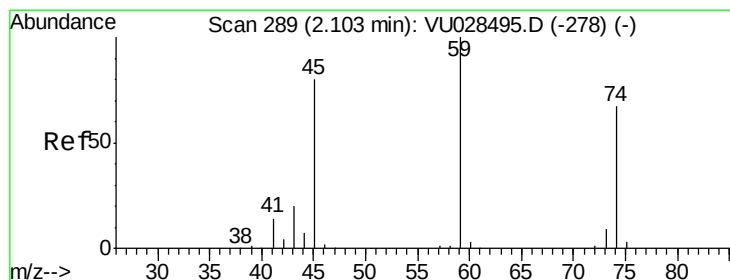
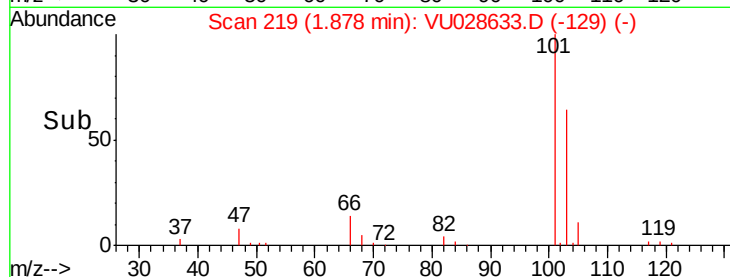
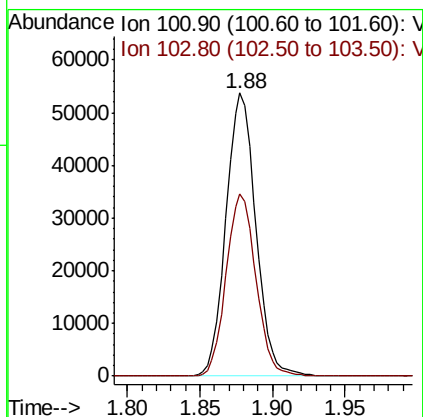
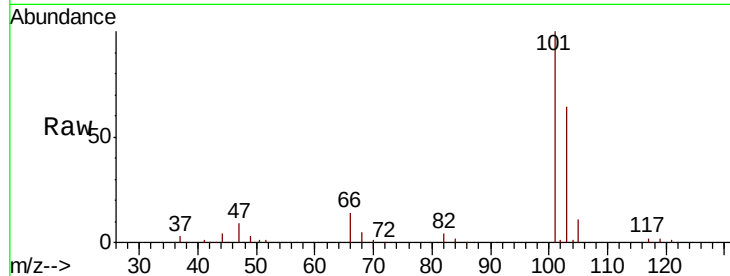
Trichlorofluoromethane
Concen: 50.144 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion:101 Resp: 76686
Ion Ratio Lower Upper
101 100
103 64.4 52.3 78.5

Manual Integrations
APPROVED

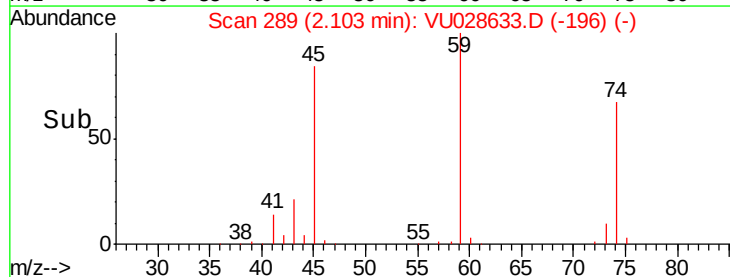
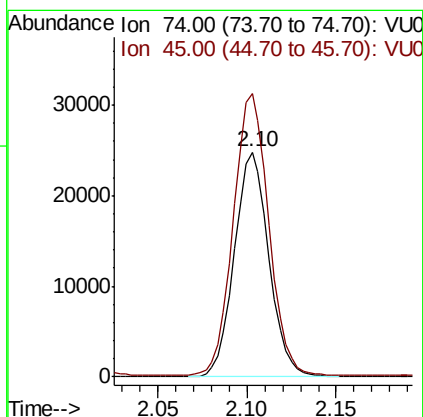
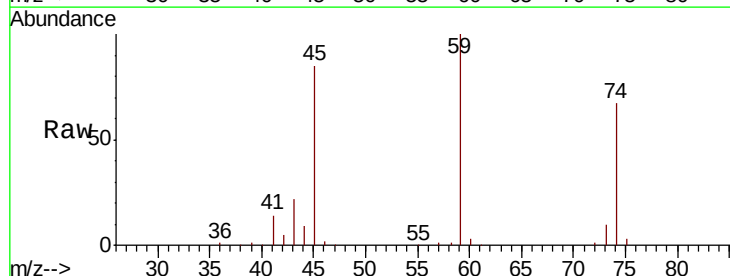
MMDadoda
12/12/2018 11:49:06 AM

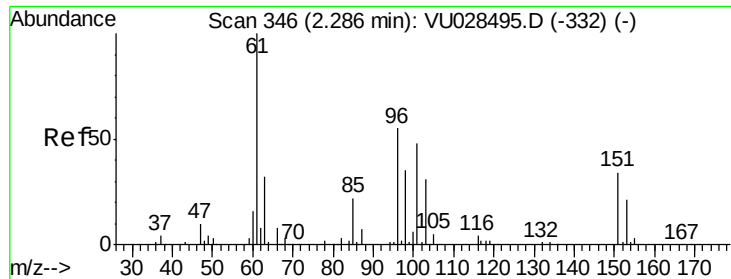


#8

Diethyl Ether
Concen: 46.793 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion: 74 Resp: 33481
Ion Ratio Lower Upper
74 100
45 128.6 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.376 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

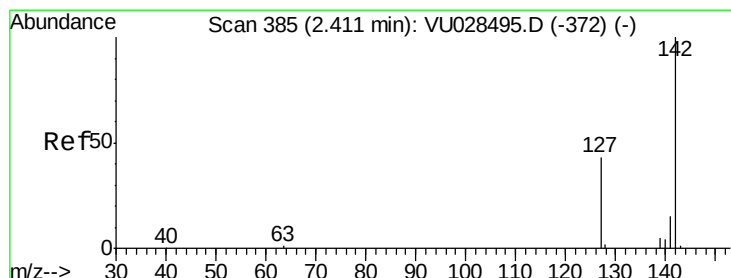
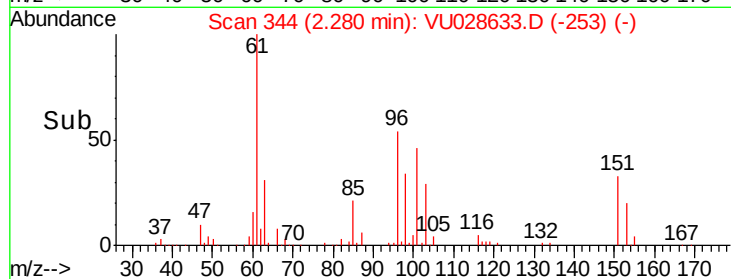
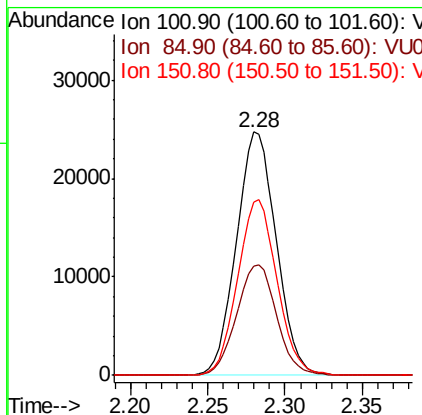
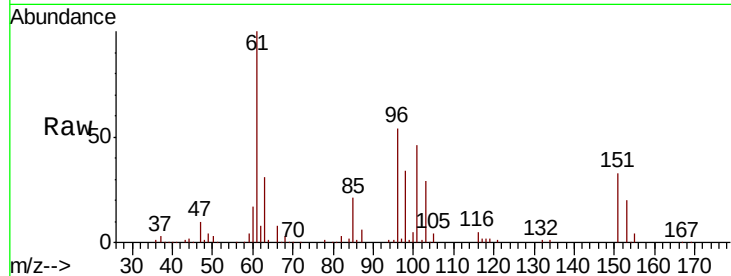
ClientSampleId :

P001-SW001-01MSD

Tot Ion:	101	Resp:	44247
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.4	54.6
151	71.5	58.2	87.2

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:06 AM



#10

Methyl Iodide

Concen: 65.500 ug/l

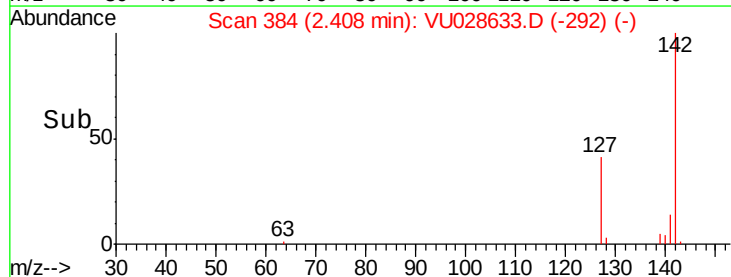
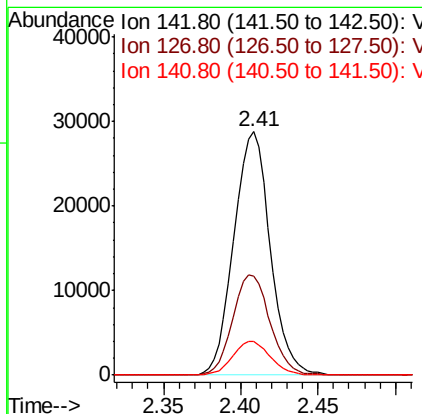
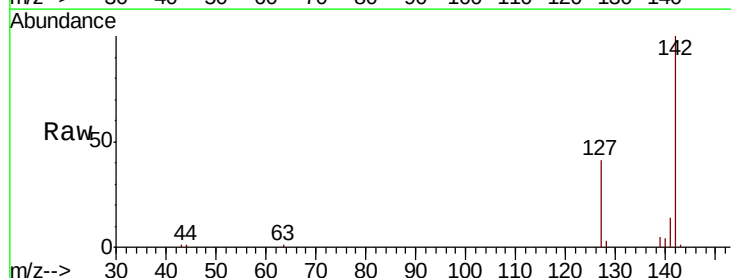
RT: 2.41 min Scan# 384

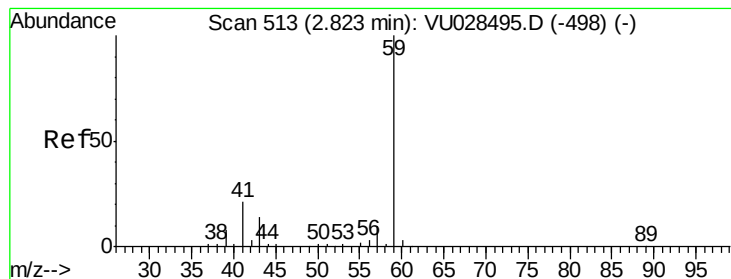
Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Tgt Ion:	142	Resp:	47008
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.5	50.3
141	14.3	11.2	16.8





#11

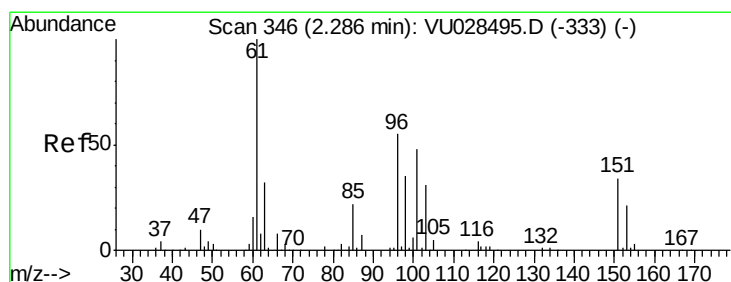
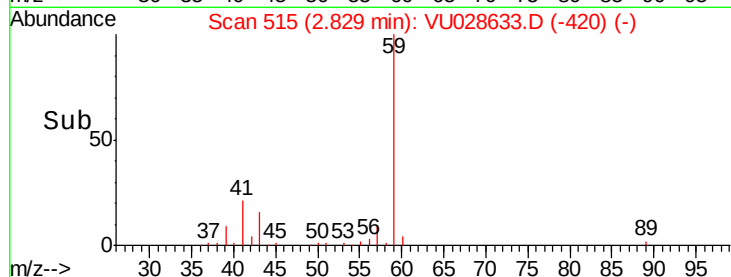
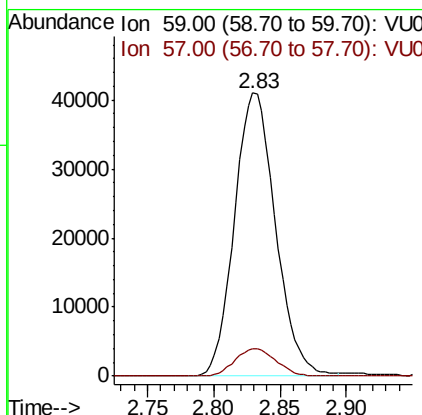
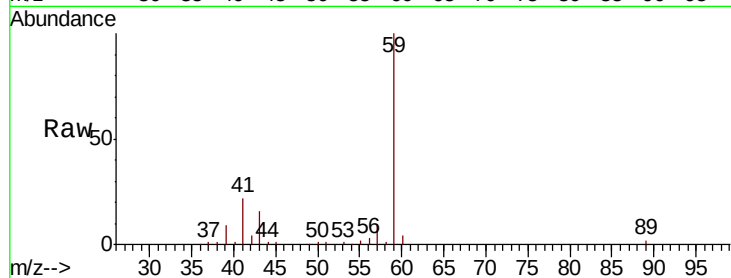
Tert butyl alcohol
 Concen: 318.499 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	88514		
57	9.7		8.0	12.0

Manual Integrations
 APPROVED

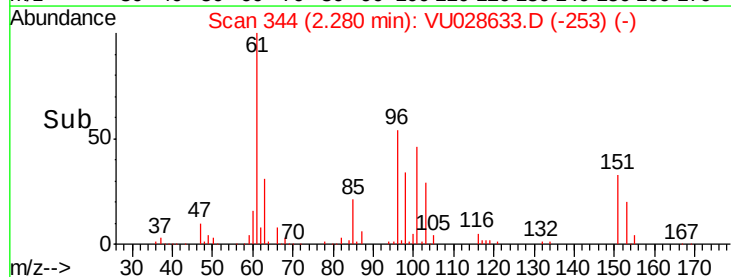
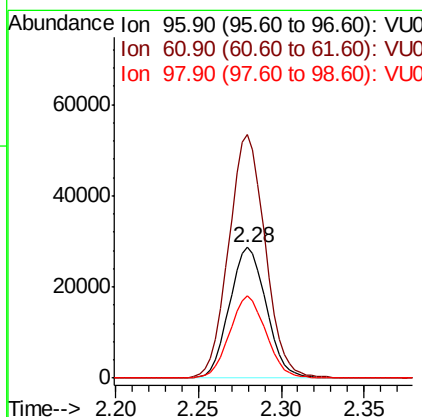
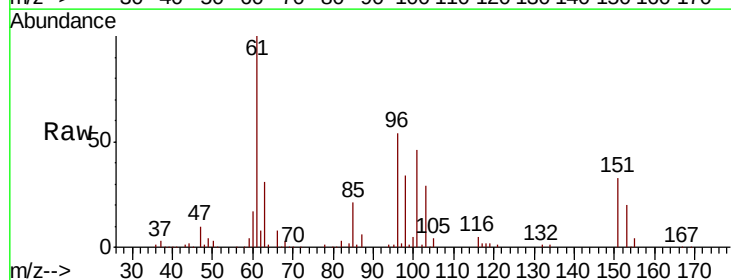
MMDadoda
 12/12/2018 11:49:06 AM

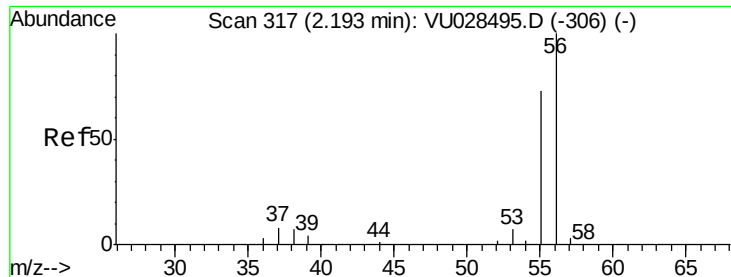


#12

1,1-Dichloroethene
 Concen: 48.521 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	44157		
61	186.2		146.4	219.6
98	62.6		51.8	77.8





#13

Acrolein

Concen: 253.521 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion: 56 Resp: 56167

Ion Ratio Lower Upper

56 100

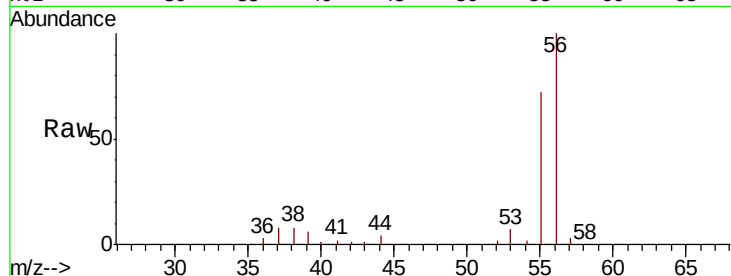
55 72.5 57.5 86.3

Manual Integrations

APPROVED

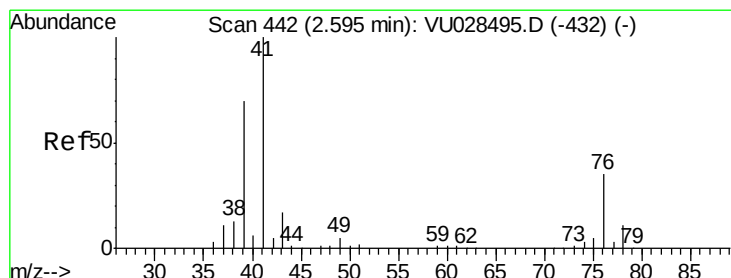
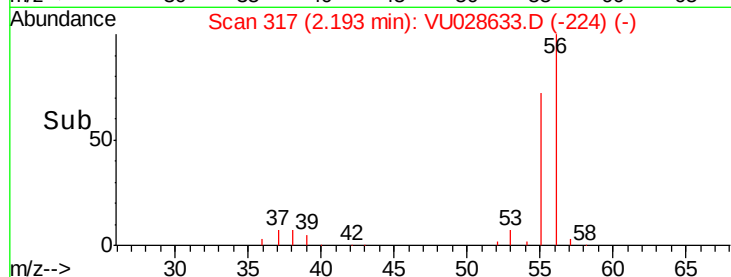
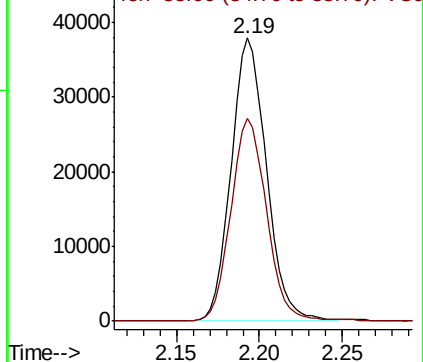
MMDadoda

12/12/2018 11:49:06 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 49.052 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

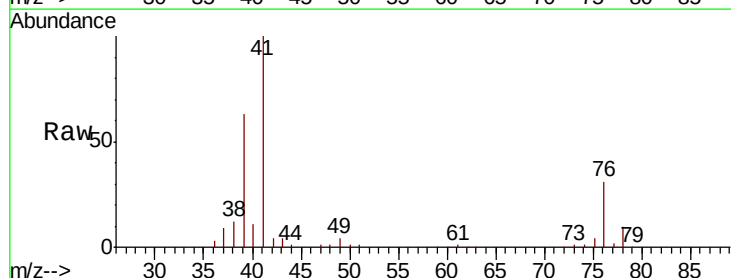
Tgt Ion: 41 Resp: 105605

Ion Ratio Lower Upper

41 100

39 61.9 50.8 76.2

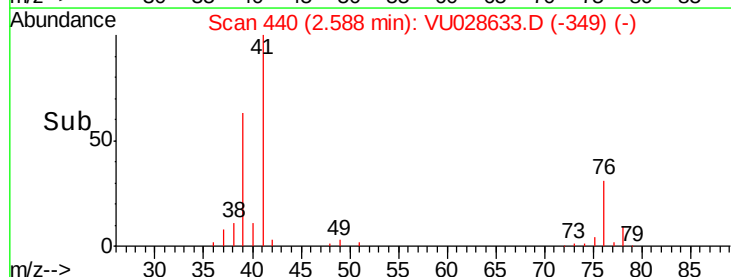
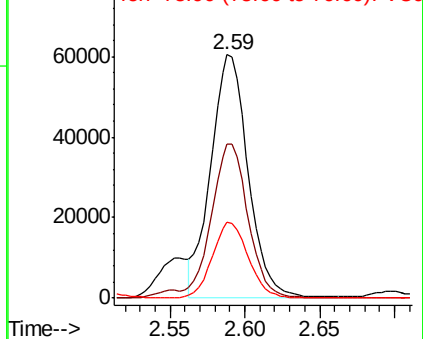
76 29.8 24.8 37.2

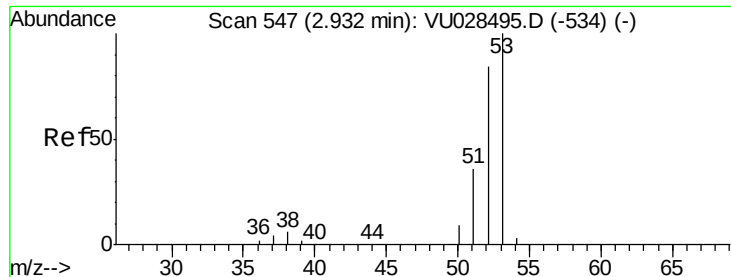


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 287.830 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

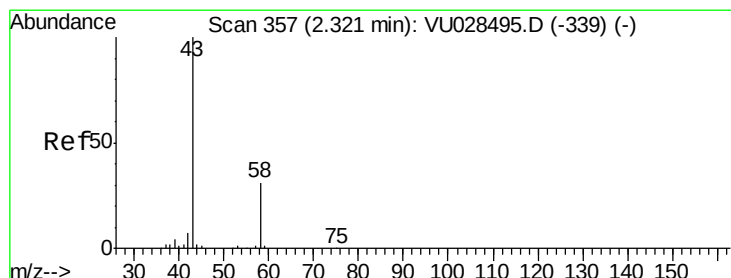
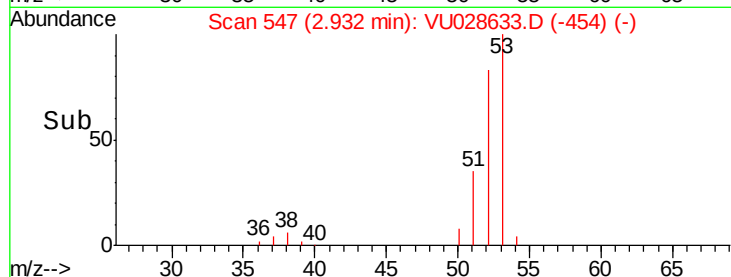
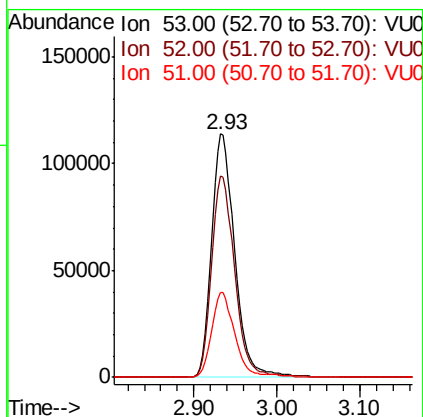
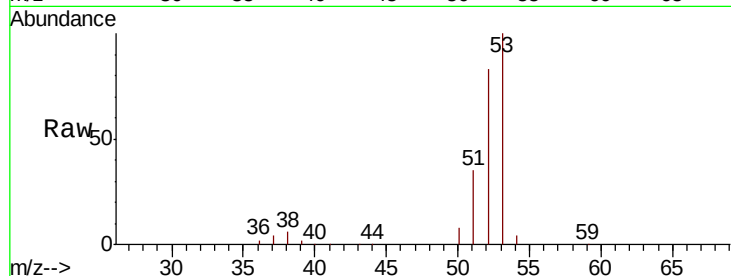
ClientSampleId :

P001-SW001-01MSD

Tot Ion:	53	Resp:	222080
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	34.1	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:06 AM



#16

Acetone

Concen: 225.233 ug/l

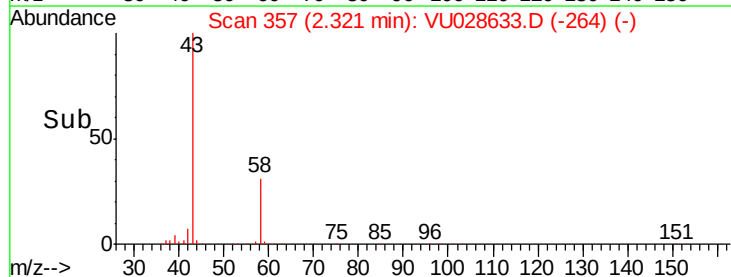
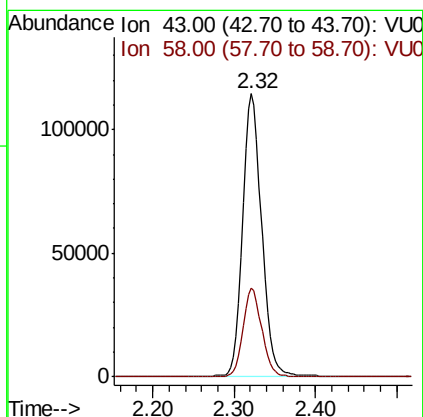
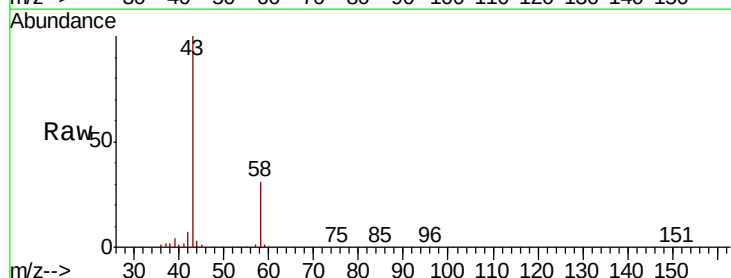
RT: 2.32 min Scan# 357

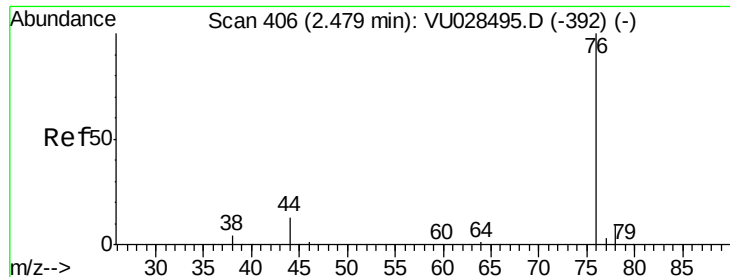
Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Tgt Ion:	43	Resp:	183333
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.6	37.0





#17

Carbon Disulfide

Concen: 46.717 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Tot Ion: 76 Resp: 153162

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

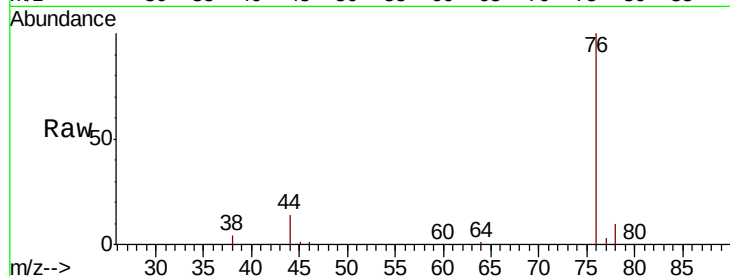
P001-SW001-01MSD

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:49:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU028495.D (-392) (-)

2.47

100000

80000

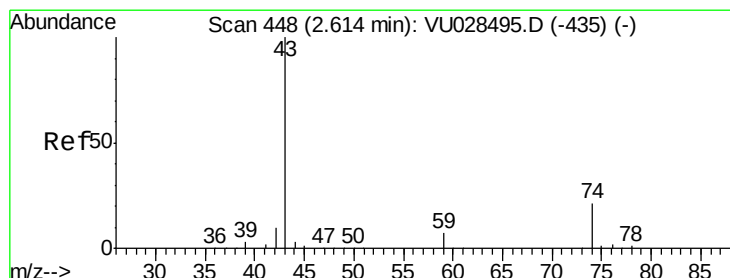
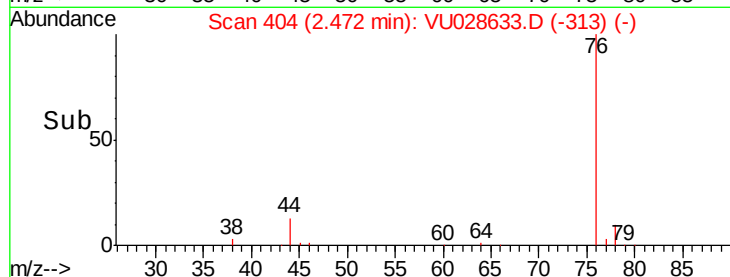
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 56.490 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028633.D

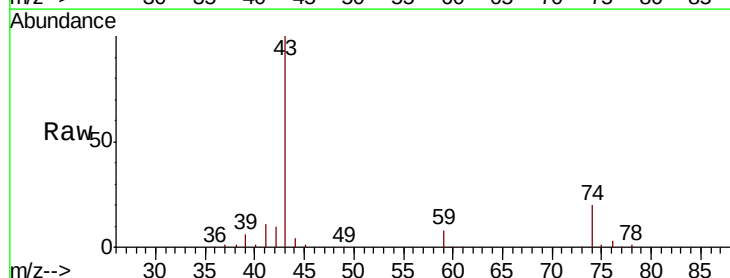
Acq: 12 Dec 2018 01:41

Tgt Ion: 43 Resp: 119194

Ion Ratio Lower Upper

43 100

74 19.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028495.D (-435) (-)

2.61

80000

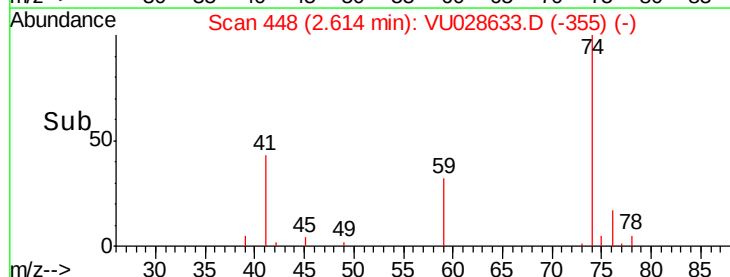
60000

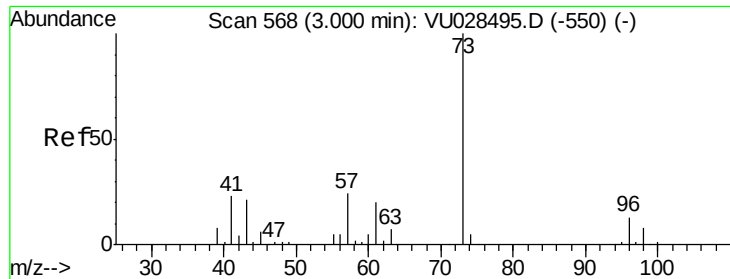
40000

20000

0

Time-->





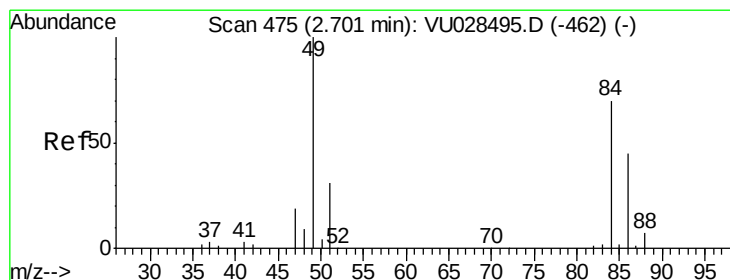
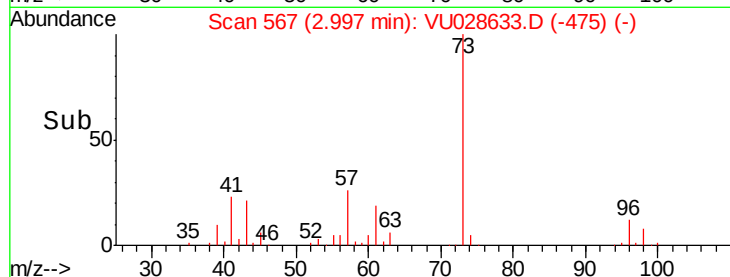
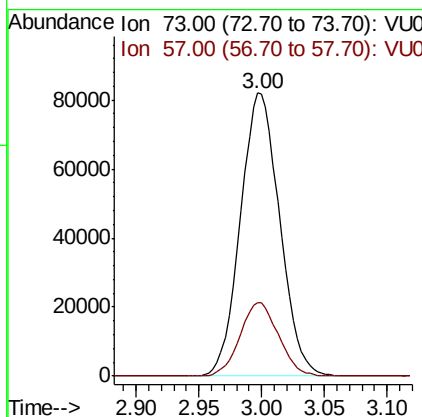
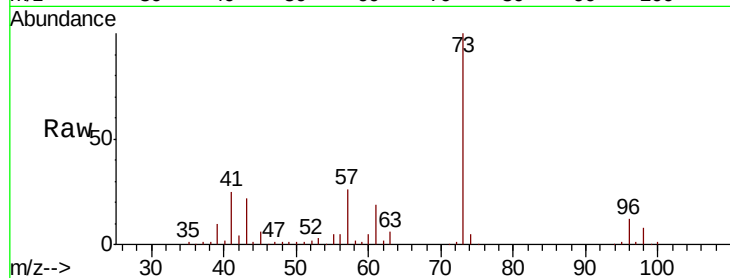
#19
Methvl tert-butyl Ether
Concen: 51.824 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.1	19.4	29.2

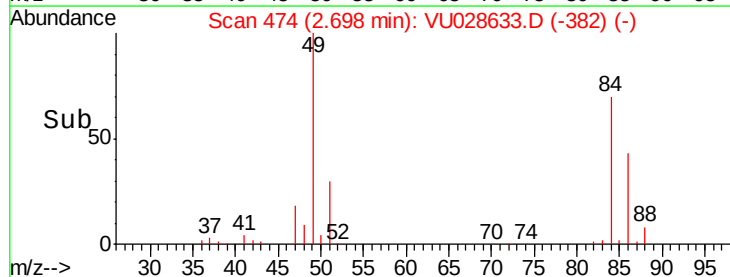
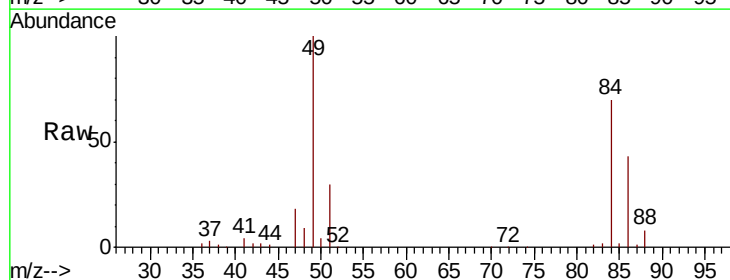
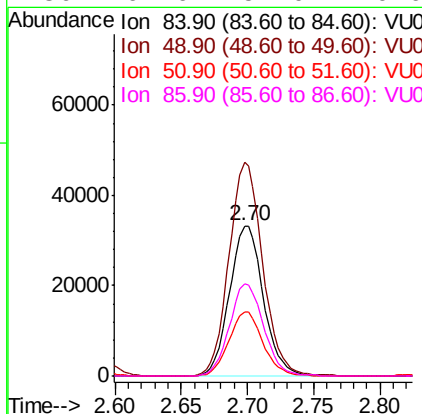
Manual Integrations
APPROVED

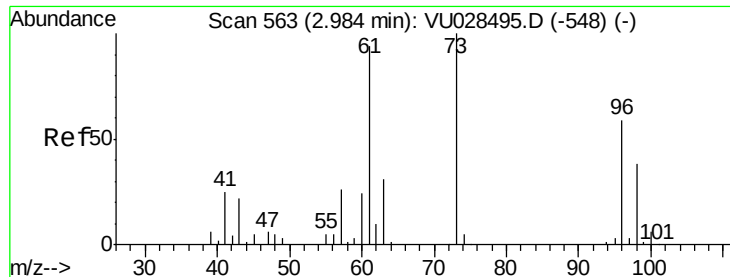
MMDadoda
12/12/2018 11:49:06 AM



#20
Methylene Chloride
Concen: 49.111 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.1	114.0	171.0
51	42.9	35.1	52.7
86	61.6	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 48.312 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion: 96 Resp: 49503

Ion Ratio Lower Upper

96 100

61 164.5 127.0 190.4

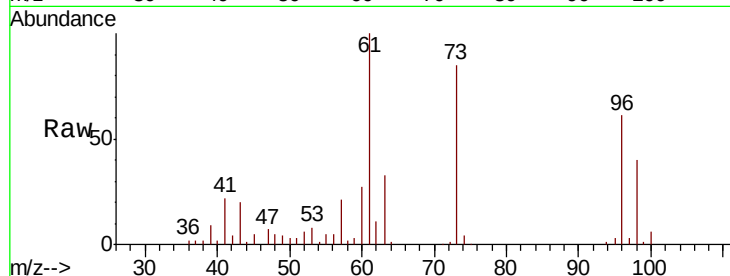
98 65.2 51.9 77.9

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:49:06 AM

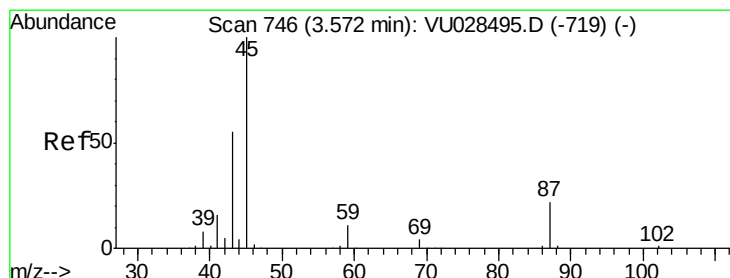
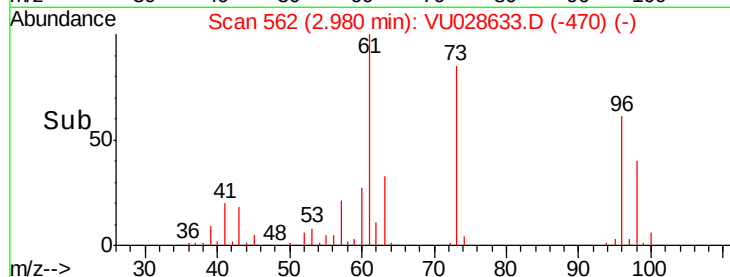
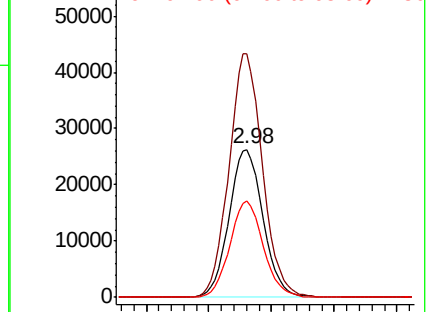


Abundance

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



#22

Diisopropyl ether

Concen: 52.806 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Tgt Ion: 45 Resp: 221080

Ion Ratio Lower Upper

45 100

43 57.5 45.3 67.9

87 22.6 17.6 26.4

59 10.6 8.8 13.2

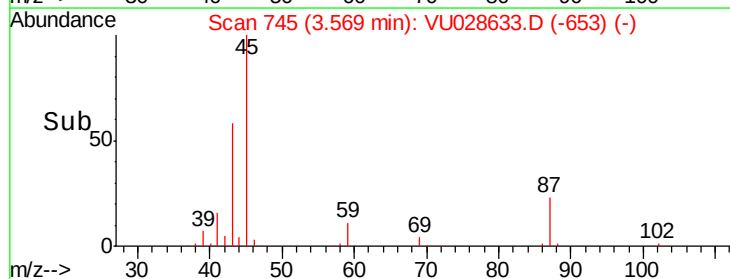
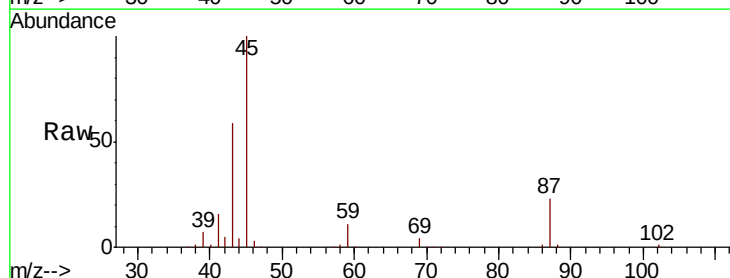
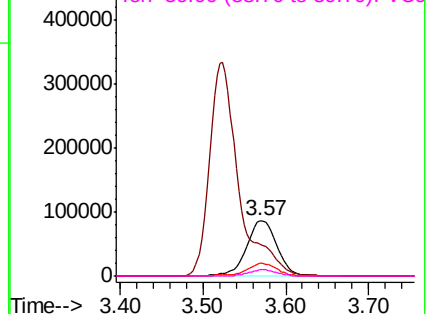
Abundance

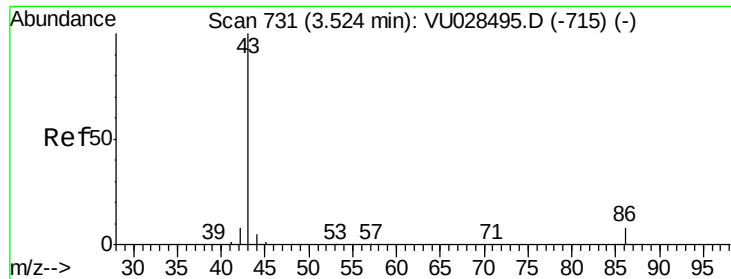
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 238.064 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion: 43 Resp: 822113

Ion Ratio Lower Upper

43 100

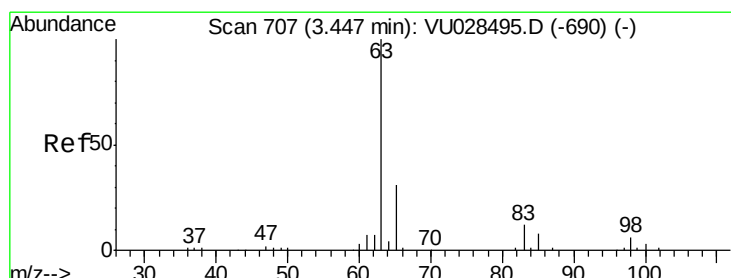
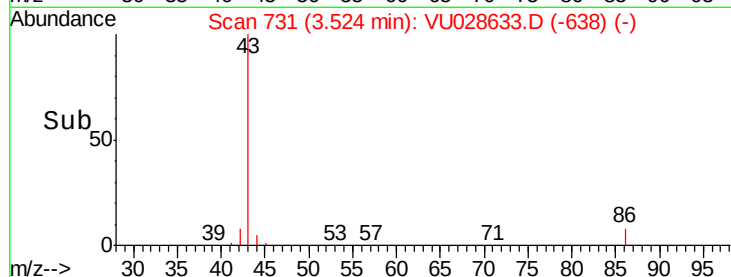
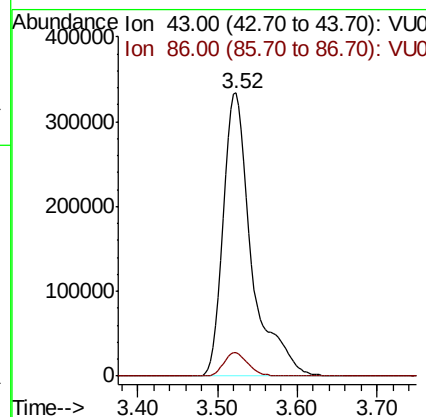
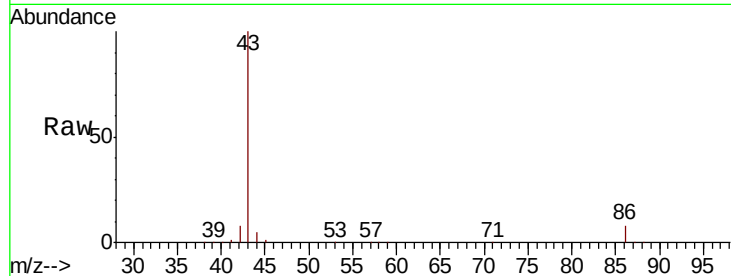
86 8.1 6.8 10.2

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:49:06 AM



#24

1,1-Dichloroethane

Concen: 50.482 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

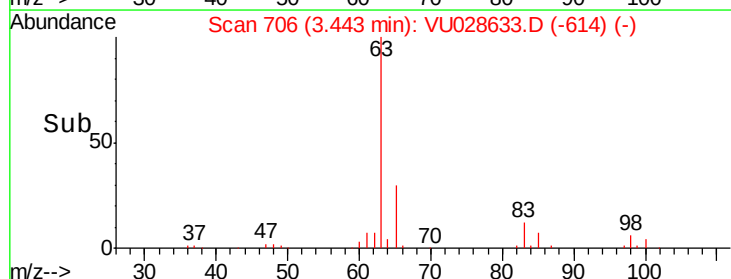
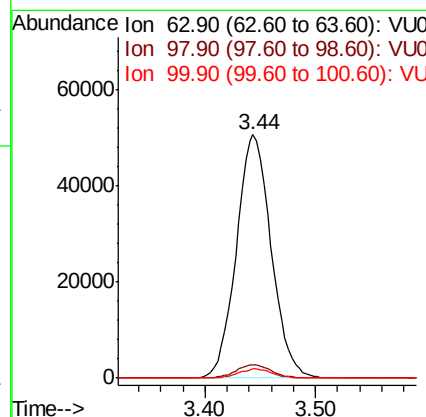
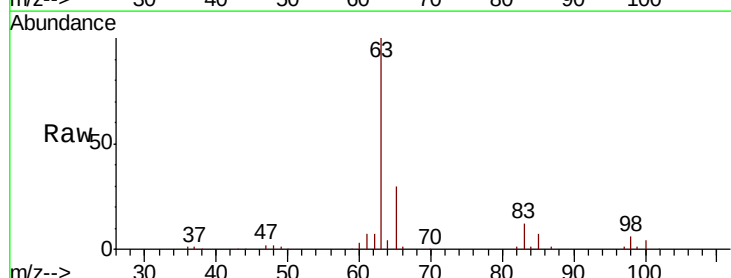
Tgt Ion: 63 Resp: 110633

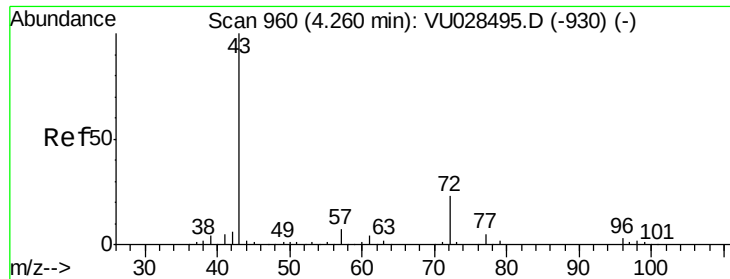
Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.7 1.7 5.1





#25

2-Butanone

Concen: 280.167 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion: 43 Resp: 311649

Ion Ratio Lower Upper

43 100

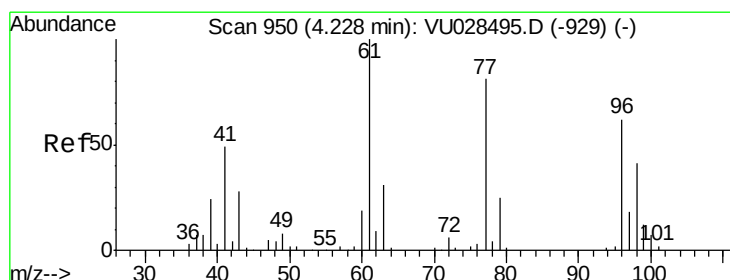
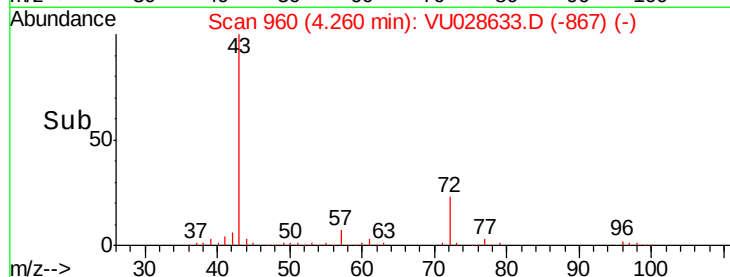
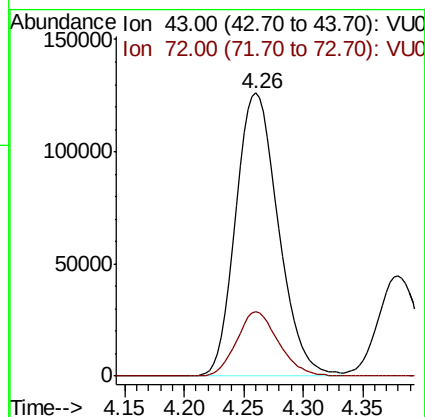
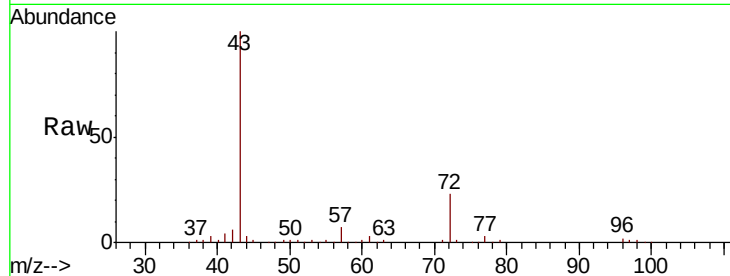
72 22.7 18.6 28.0

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:49:06 AM



#26

2,2-Dichloropropane

Concen: 42.985 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028633.D

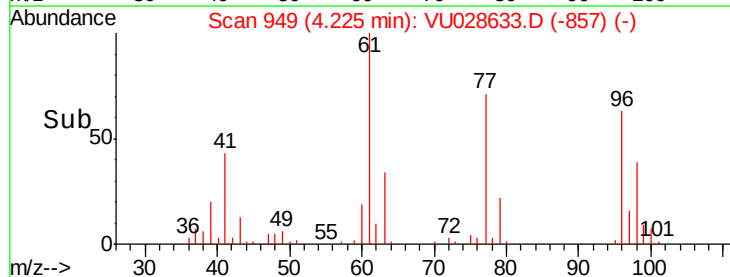
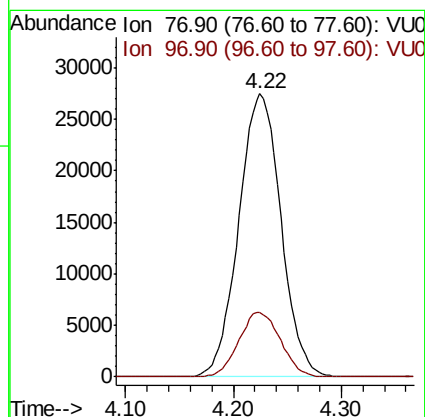
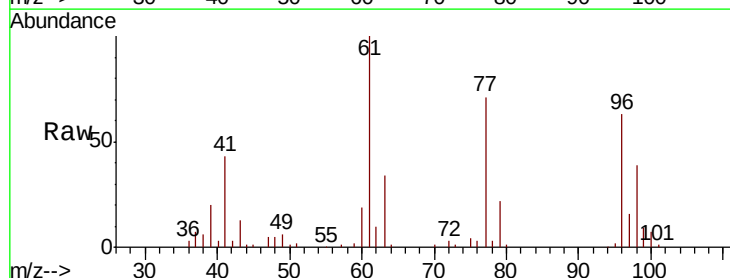
Acq: 12 Dec 2018 01:41

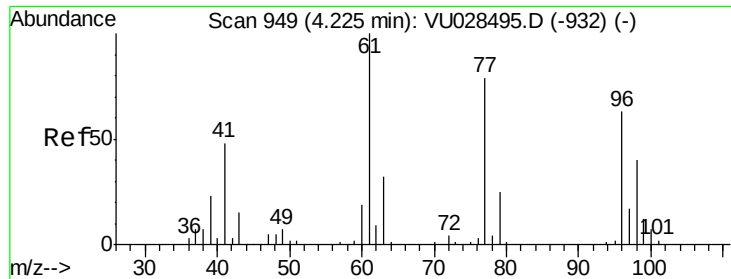
Tgt Ion: 77 Resp: 74642

Ion Ratio Lower Upper

77 100

97 22.5 11.0 33.0





#27

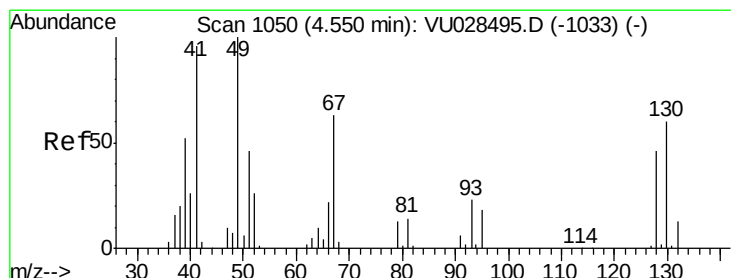
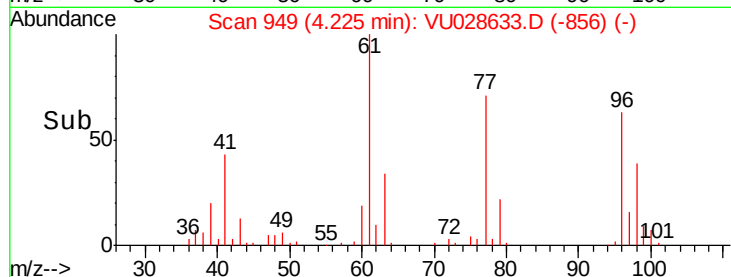
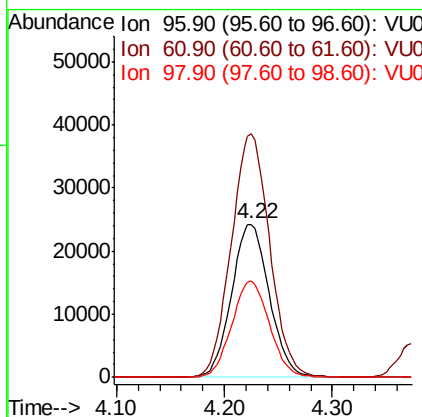
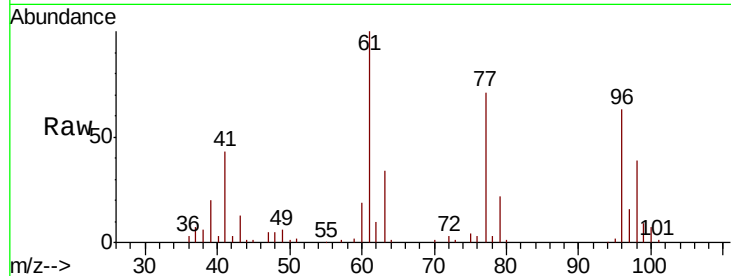
cis-1,2-Dichloroethene
Concen: 50.960 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	332.4
98	62.7	0.0	129.0

Manual Integrations
APPROVED

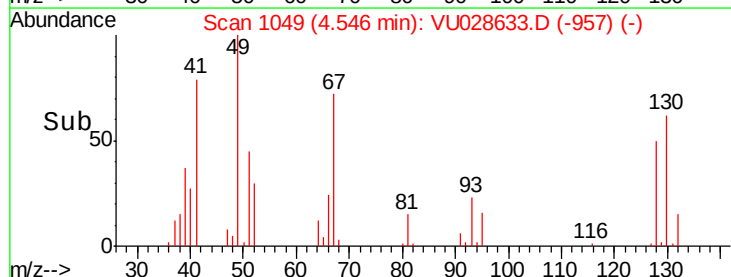
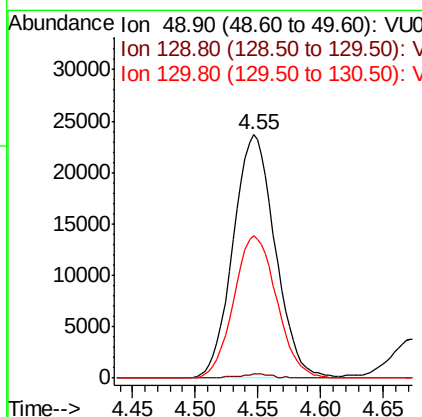
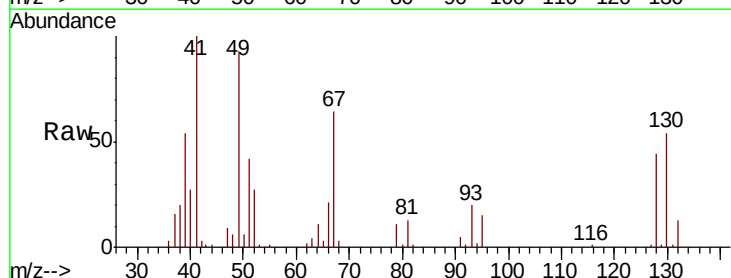
MMDadoda
12/12/2018 11:49:06 AM

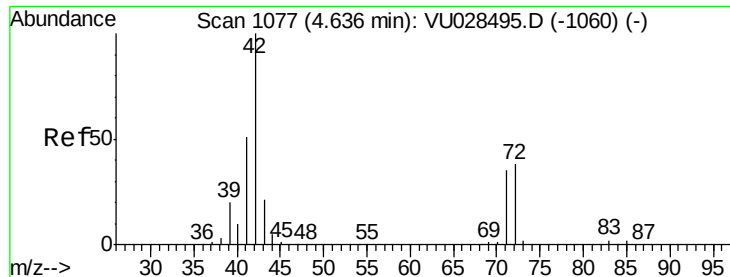


#28

Bromochloromethane
Concen: 55.508 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.0
130	59.4	47.8	71.8





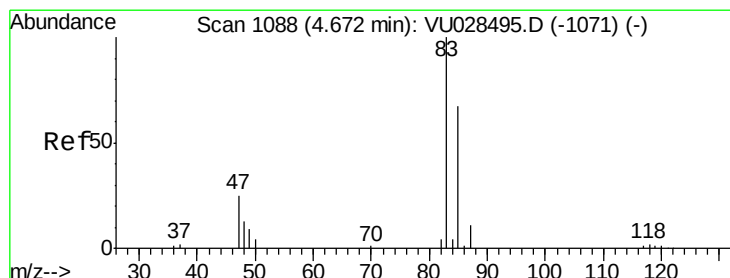
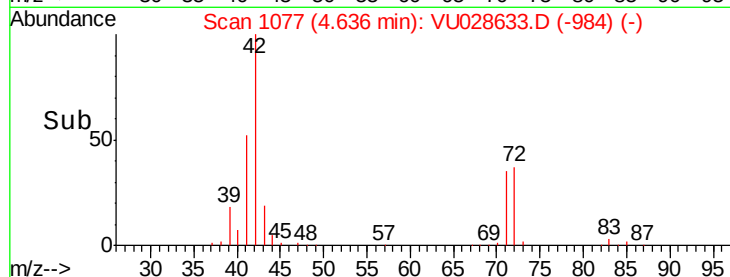
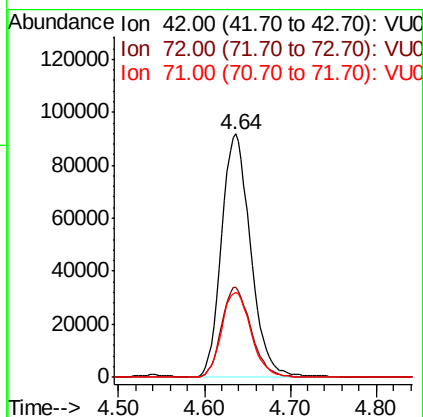
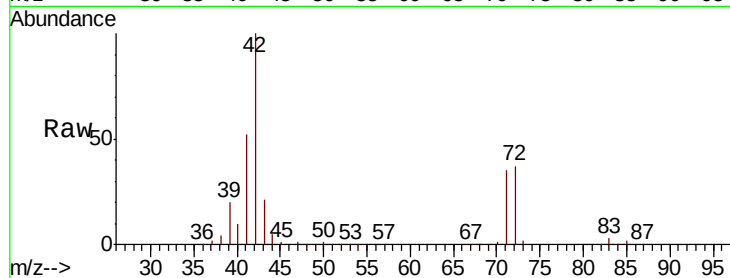
#29
Tetrahydrofuran
Concen: 301.948 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.4	47.0
71	35.5	28.6	43.0

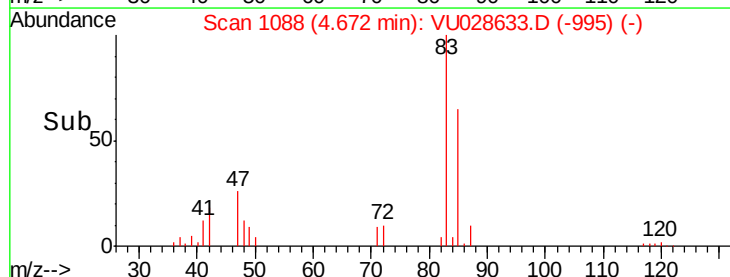
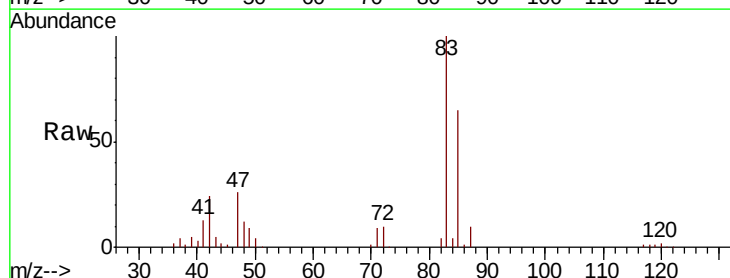
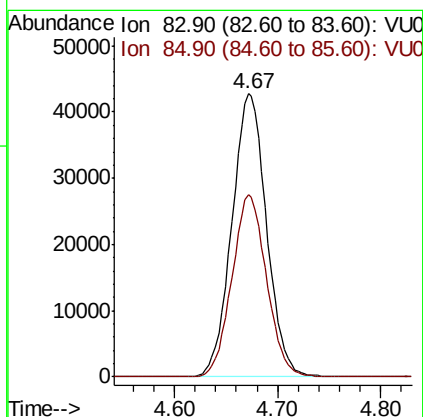
Manual Integrations
APPROVED

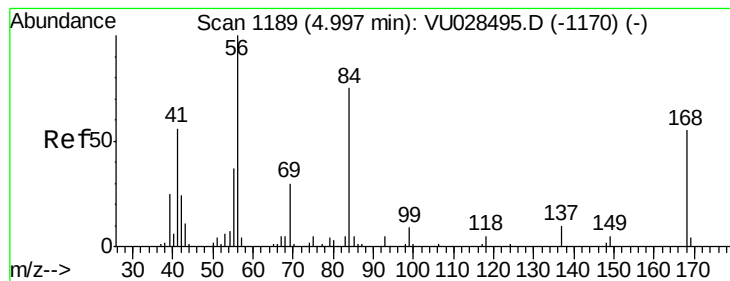
MMDadoda
12/12/2018 11:49:06 AM



#30
Chloroform
Concen: 52.170 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.6	80.4





#31

Cyclohexane

Concen: 51.661 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion: 56 Resp: 110398

Ion Ratio Lower Upper

56 100

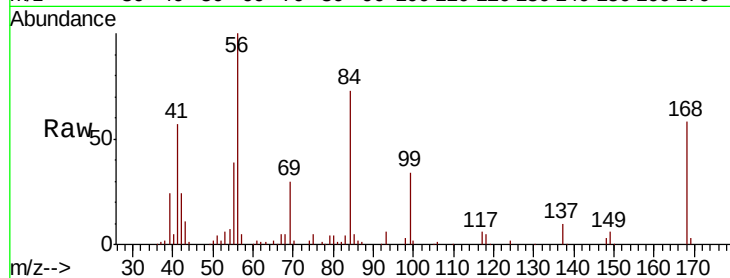
69 30.1 24.0 36.0

84 71.9 59.7 89.5

Manual Integrations
APPROVED

MMDadoda

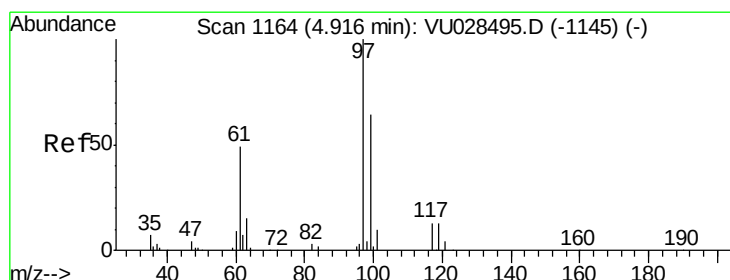
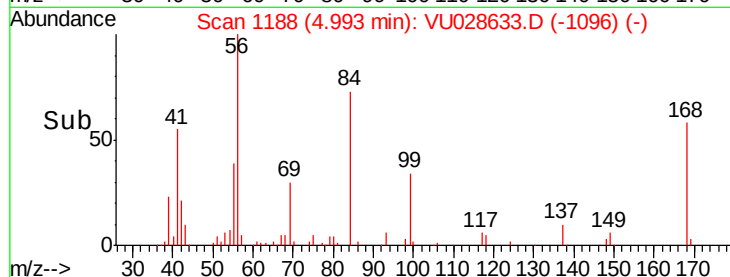
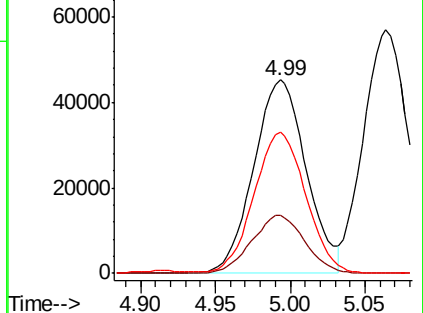
12/12/2018 11:49:06 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 51.938 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

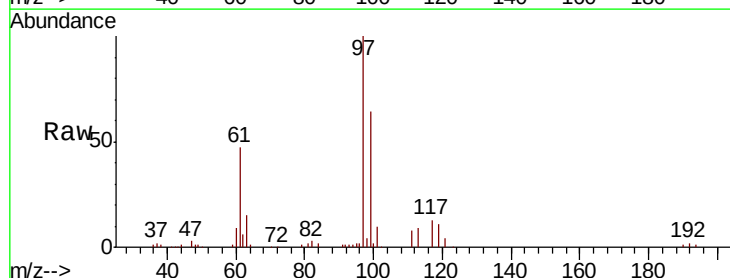
Tgt Ion: 97 Resp: 82393

Ion Ratio Lower Upper

97 100

99 63.7 52.3 78.5

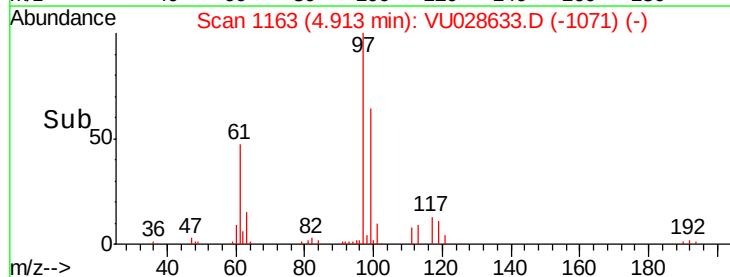
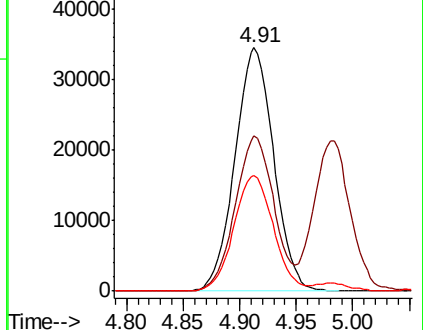
61 48.5 39.0 58.6

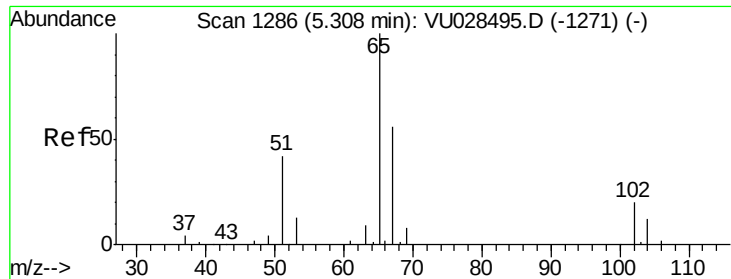


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





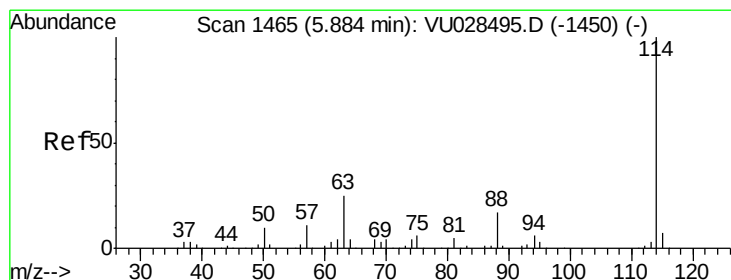
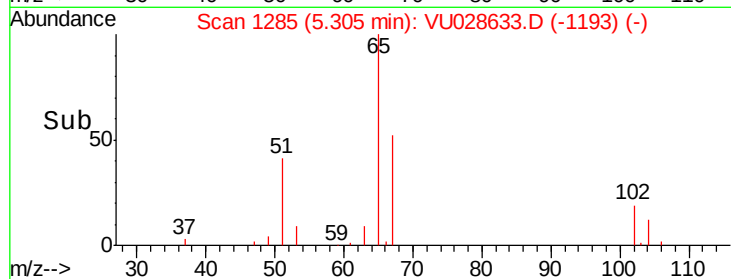
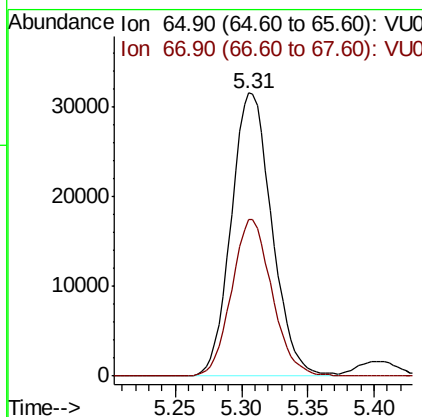
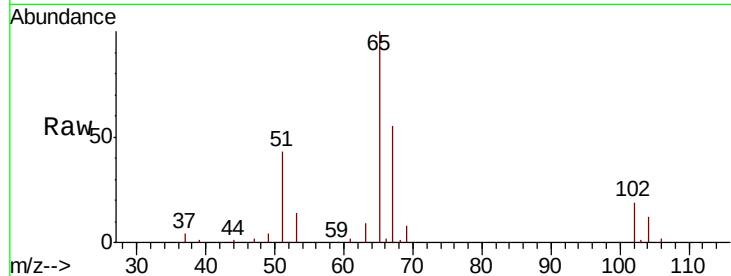
#33
 1,2-Dichloroethane-d4
 Concen: 53.981 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	110.6

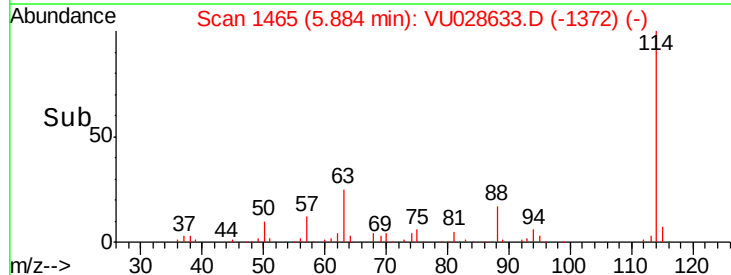
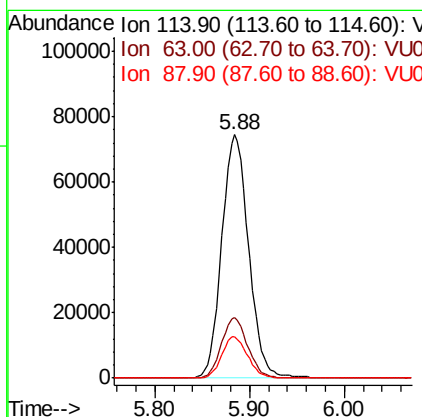
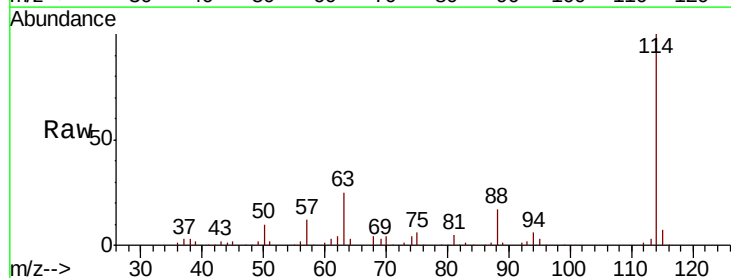
Manual Integrations
 APPROVED

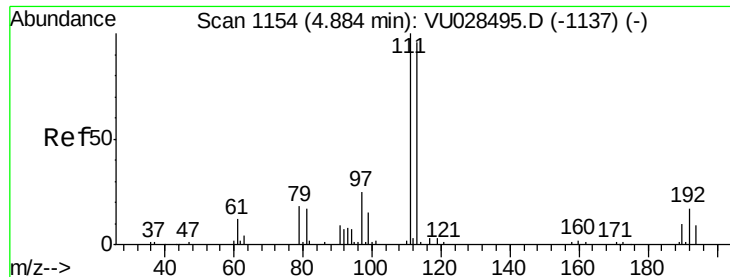
MMDadoda
 12/12/2018 11:49:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	17.0	0.0	33.4





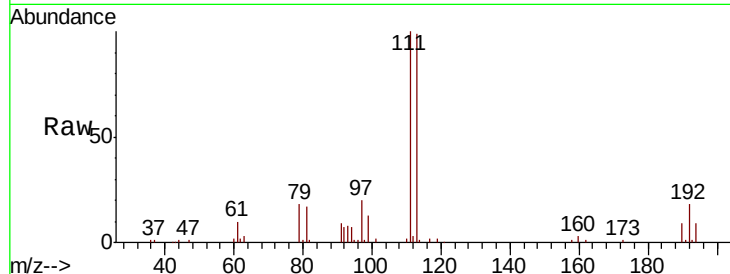
#35
Dibromofluoromethane
Concen: 53.257 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	49271		
111	104.5		83.4	125.0
192	18.6		14.8	22.2

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:06 AM

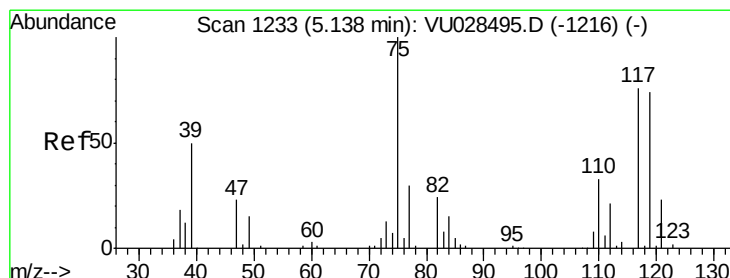
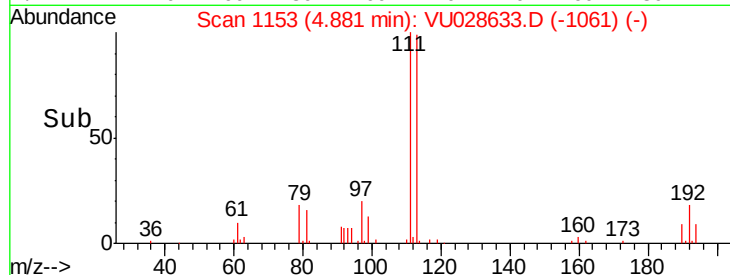
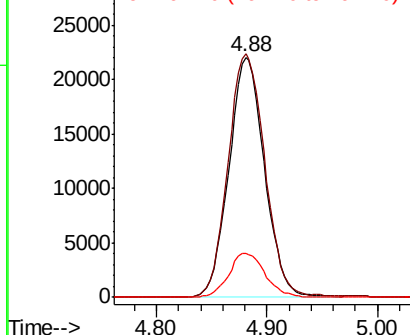


Abundance

Ion 112.80 (112.50 to 113.50): V

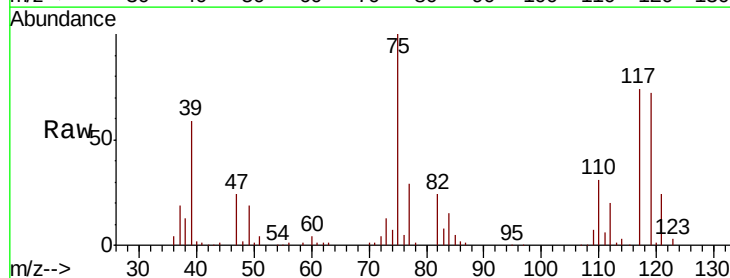
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 48.908 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78679		
110	31.4		16.1	48.2
77	29.5		24.5	36.7

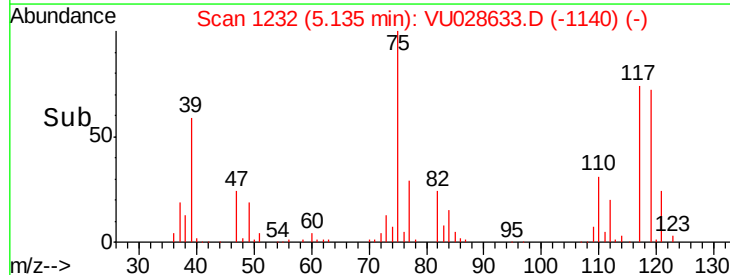
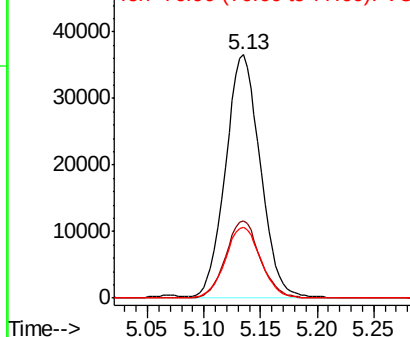


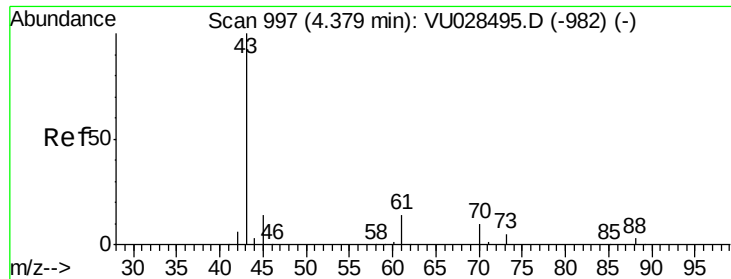
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





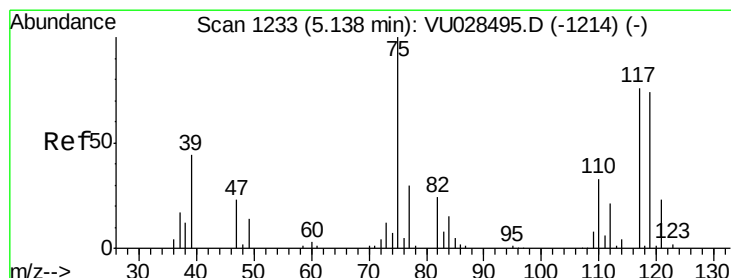
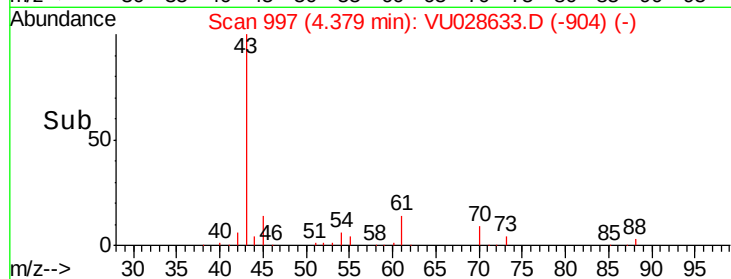
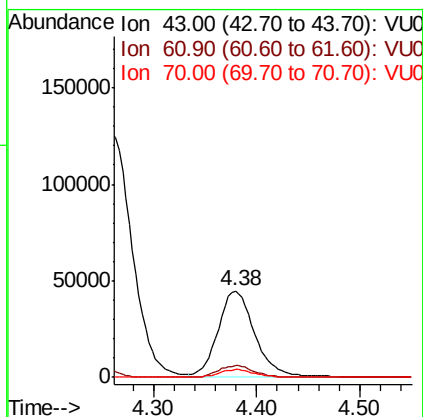
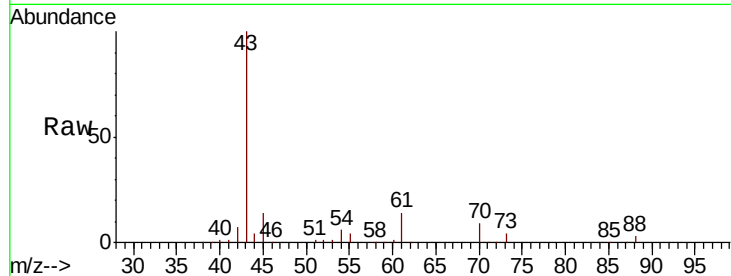
#37
Ethyl Acetate
Concen: 52.257 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	8.8	7.4	11.0

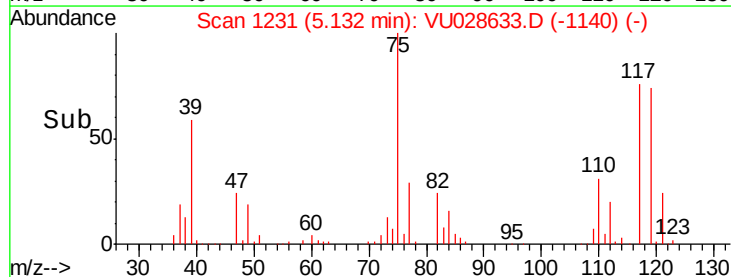
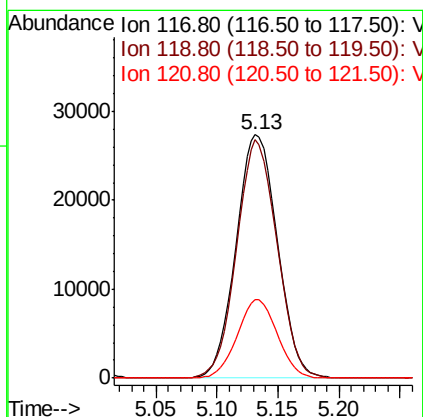
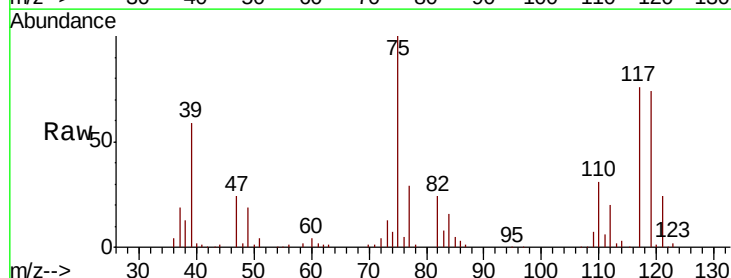
Manual Integrations
APPROVED

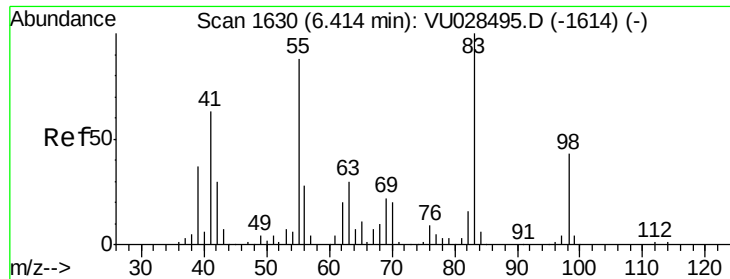
MMDadoda
12/12/2018 11:49:06 AM



#38
Carbon Tetrachloride
Concen: 49.444 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.6	116.4
121	32.2	24.6	36.8





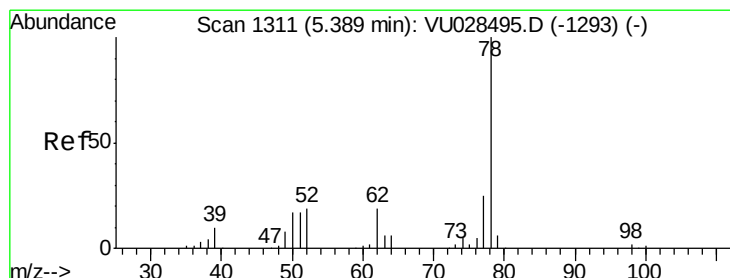
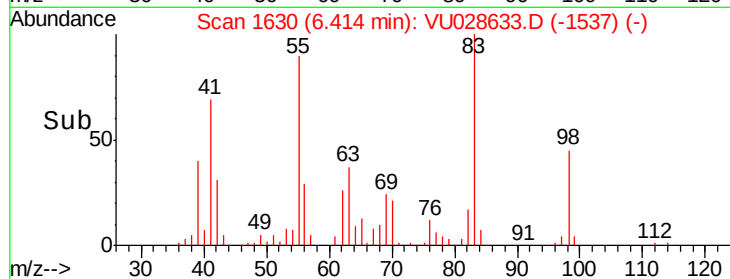
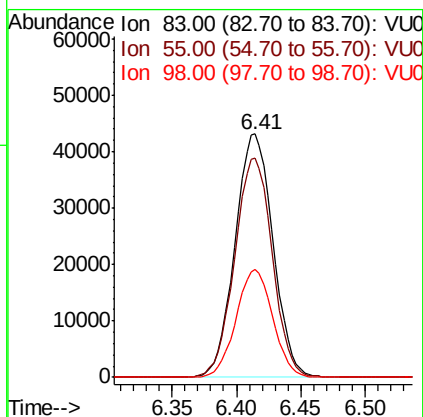
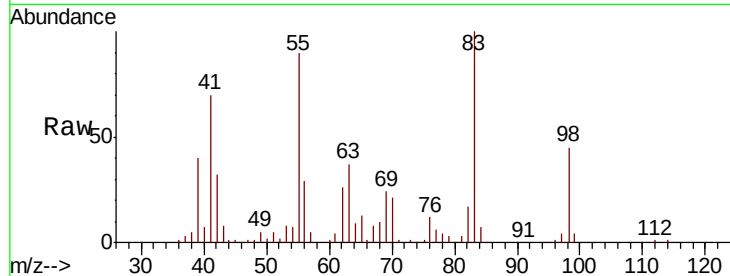
#39
Methylvlcyclohexane
Concen: 45.099 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.0	70.2	105.2
98	44.5	34.2	51.4

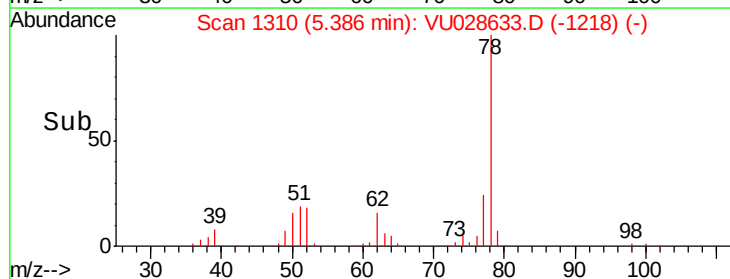
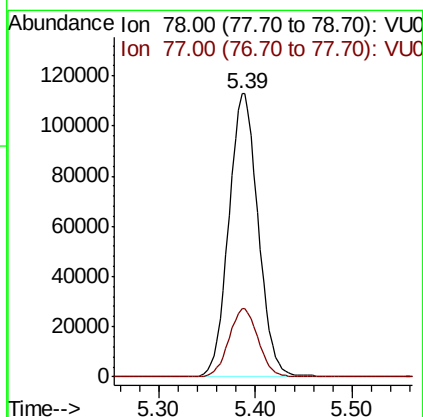
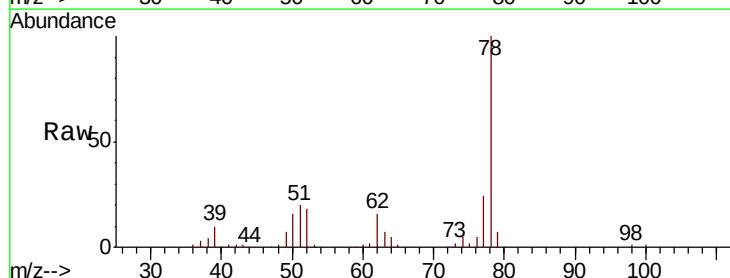
Manual Integrations
APPROVED

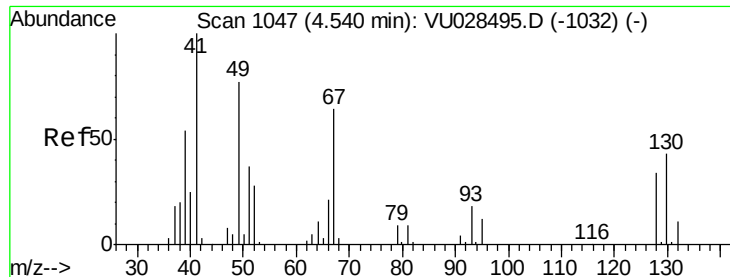
MMDadoda
12/12/2018 11:49:06 AM



#40
Benzene
Concen: 50.228 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.9	29.9





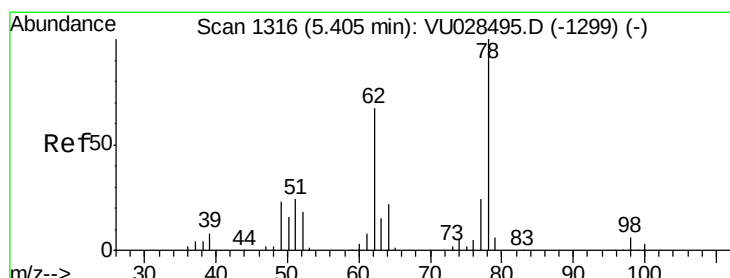
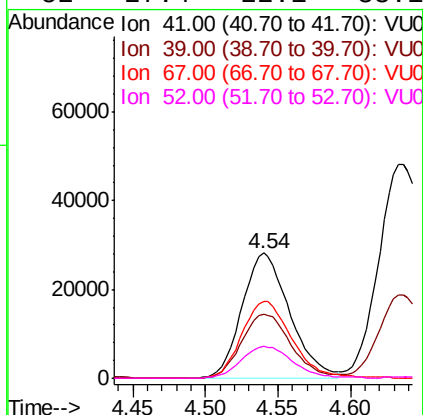
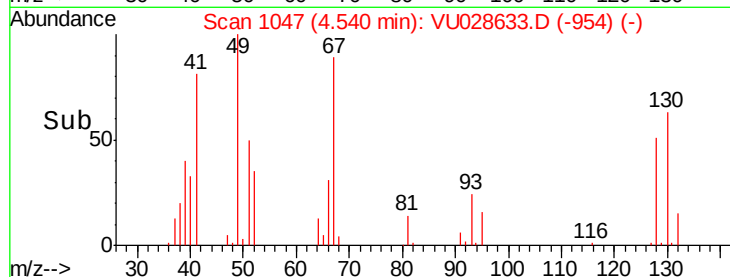
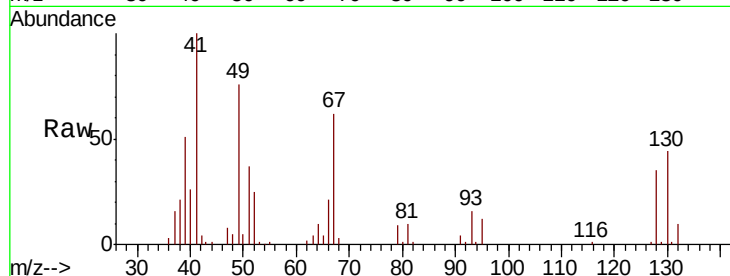
#41
Methacrylonitrile
Concen: 56.712 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion:	41	Resp:	64589
Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.3	64.9
67	64.4	53.6	80.4
52	27.4	22.1	33.1

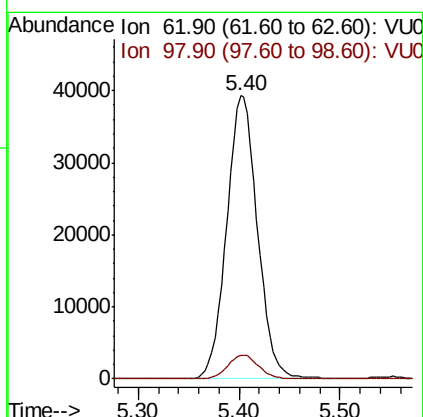
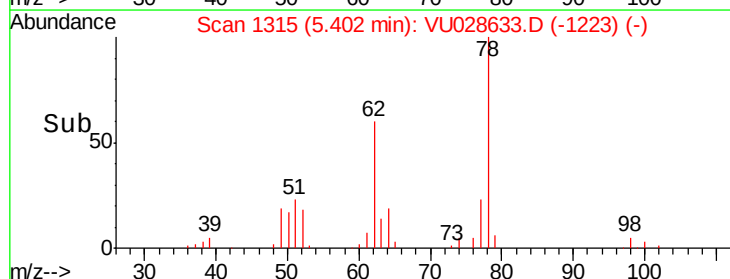
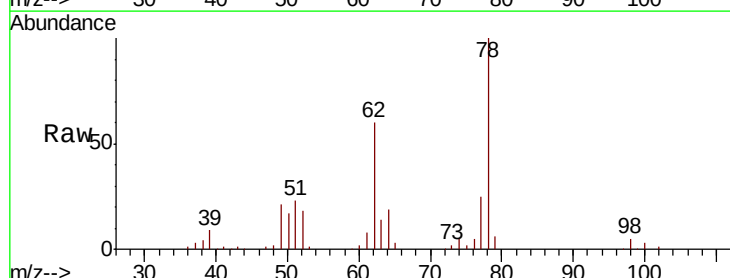
Manual Integrations
APPROVED

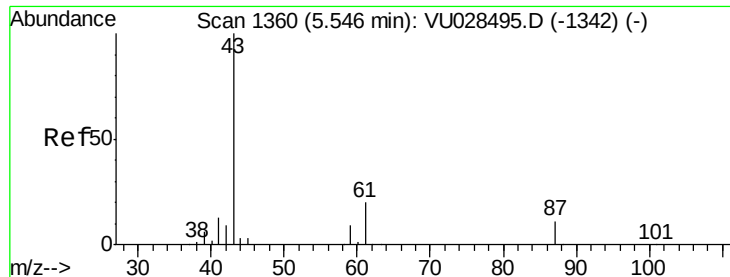
MMDadoda
12/12/2018 11:49:06 AM



#42
1,2-Dichloroethane
Concen: 50.311 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion:	62	Resp:	83441
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2





#43

Isopropyl Acetate

Concen: 50.802 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

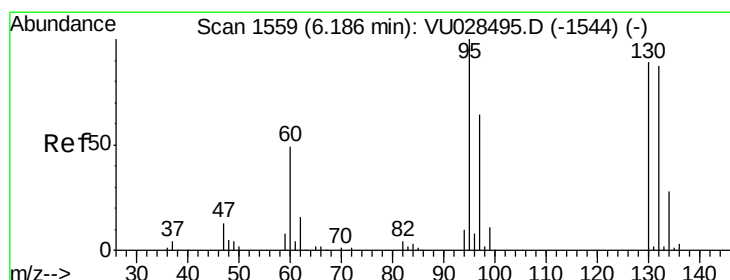
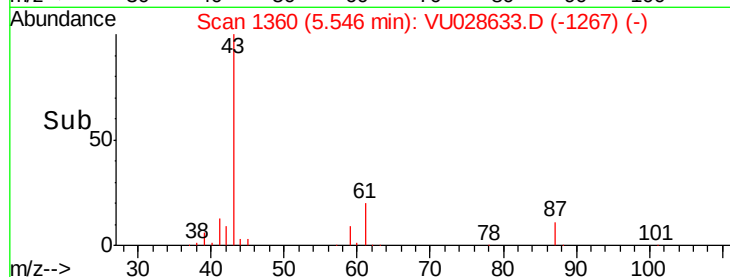
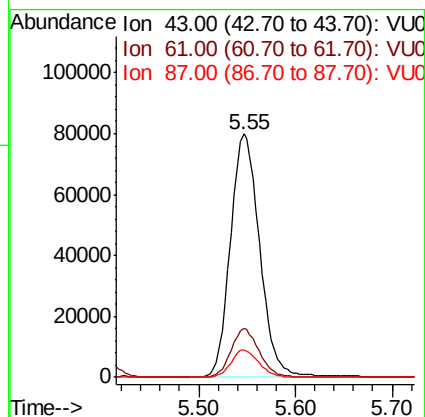
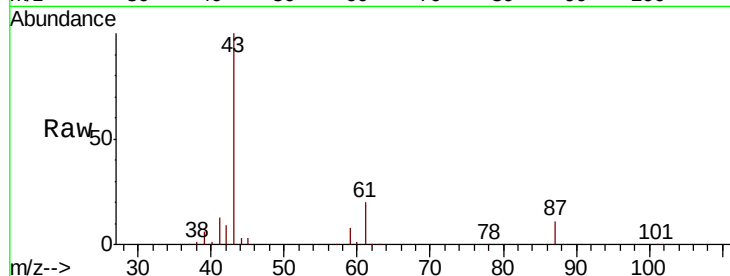
ClientSampleId :

P001-SW001-01MSD

Tot Ion:	43	Resp:	167104
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.5	23.3
87	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:06 AM



#44

Trichloroethene

Concen: 49.297 ug/l

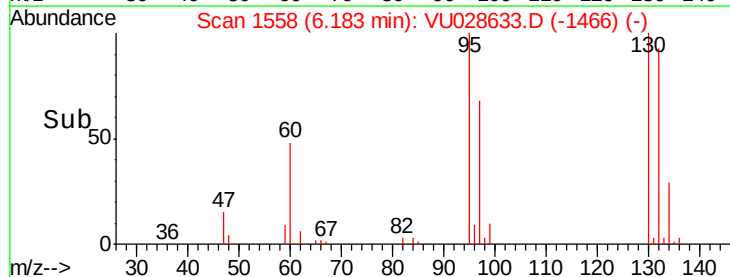
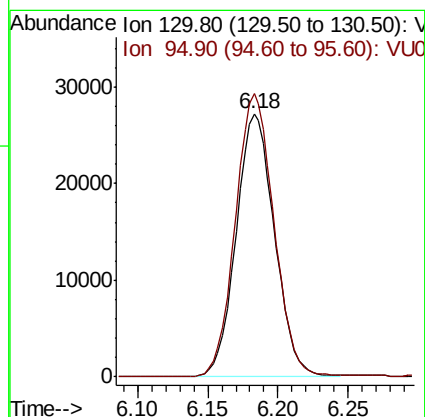
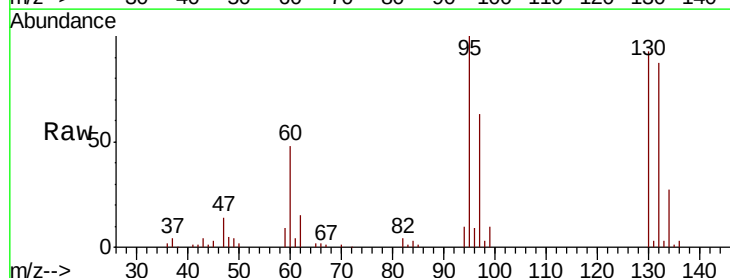
RT: 6.18 min Scan# 1558

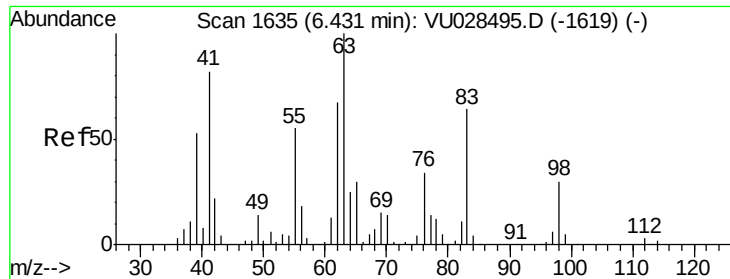
Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Tgt Ion:	130	Resp:	51935
Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	224.0





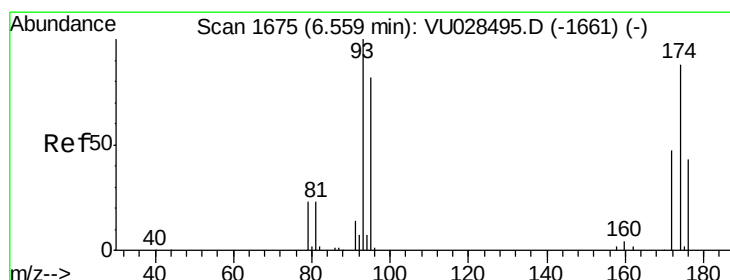
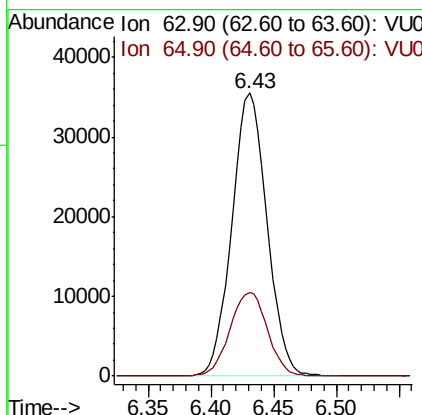
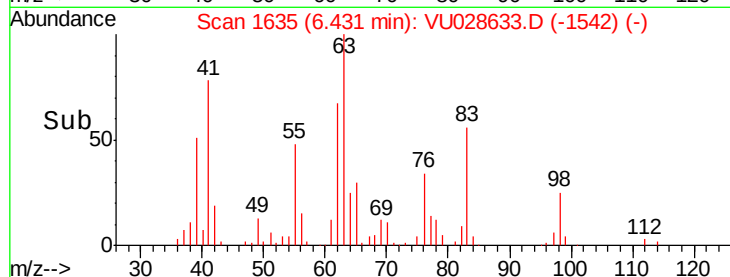
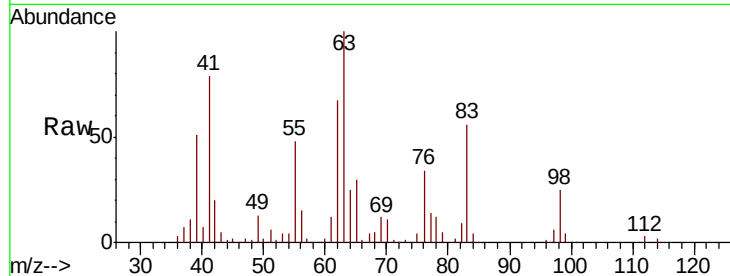
#45
 1,2-Dichloropropane
 Concen: 51.897 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion: 63 Resp: 69147
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.2 36.4

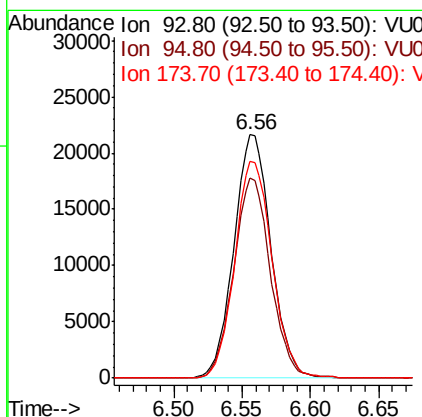
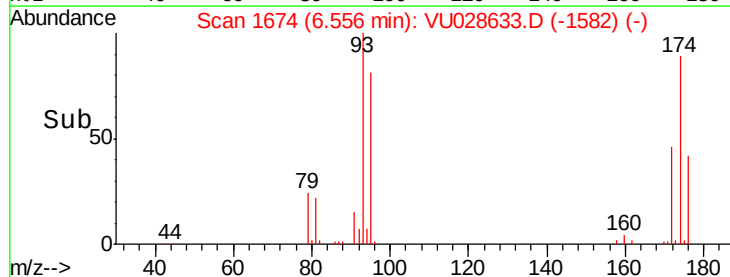
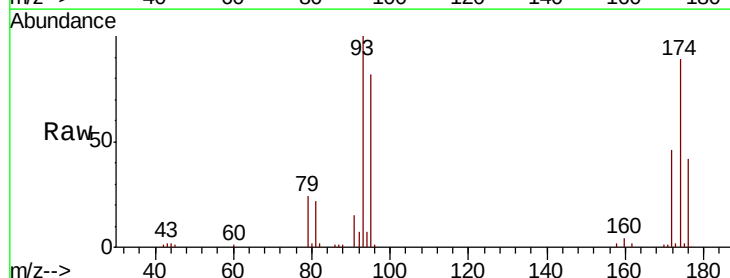
Manual Integrations
 APPROVED

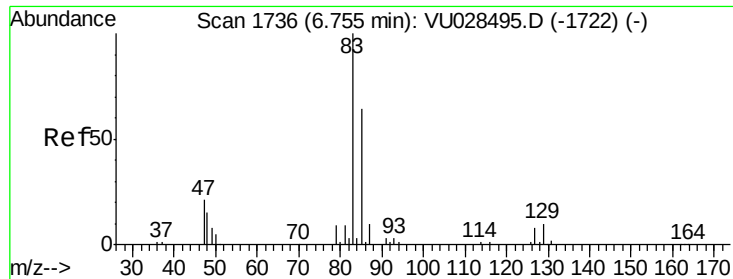
MMDadoda
 12/12/2018 11:49:06 AM



#46
 Dibromomethane
 Concen: 51.680 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Tgt Ion: 93 Resp: 40855
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.4 98.2
 174 89.7 72.2 108.4





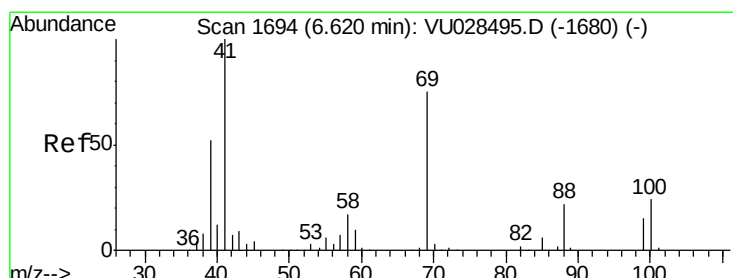
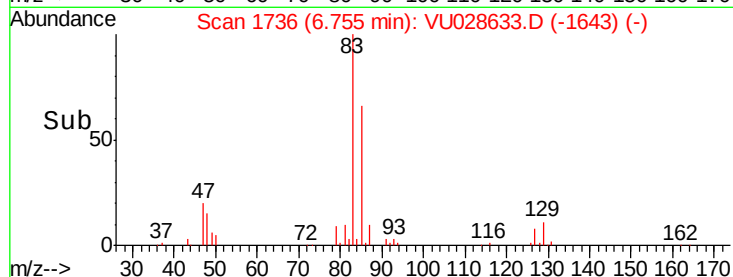
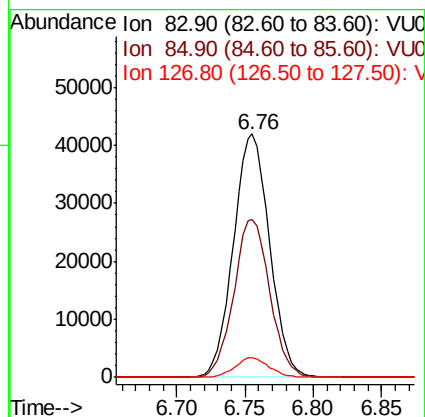
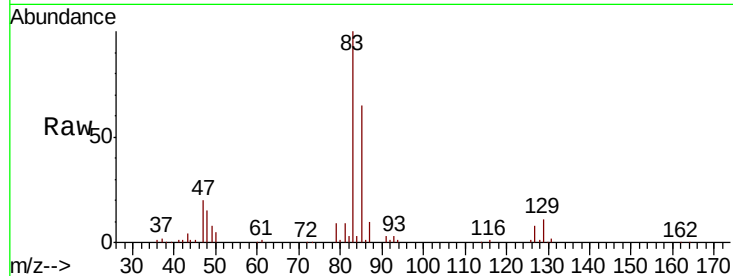
#47
Bromodichloromethane
Concen: 50.270 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3
127	7.8	6.2	9.4

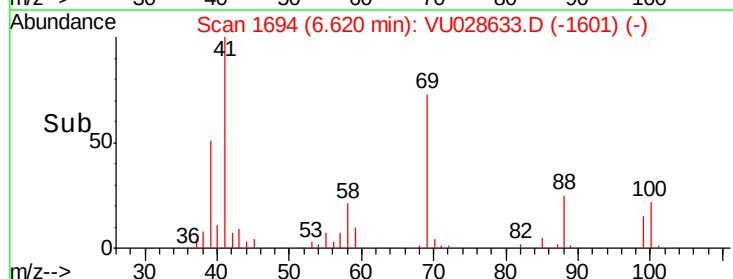
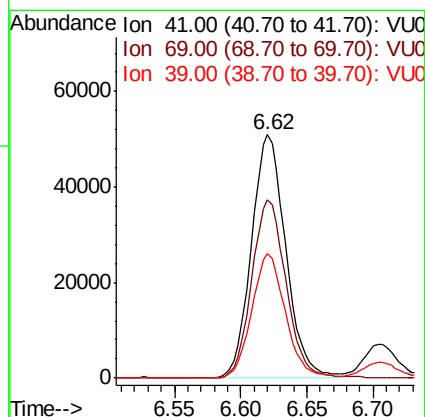
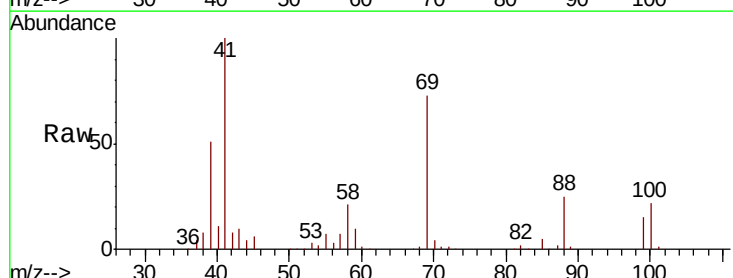
Manual Integrations
APPROVED

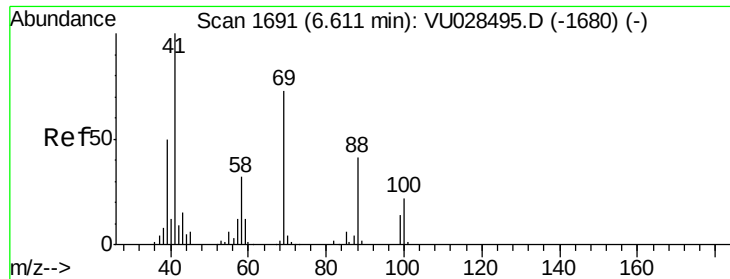
MMDadoda
12/12/2018 11:49:06 AM



#48
Methyl methacrylate
Concen: 56.227 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.4	60.4	90.6
39	50.2	41.1	61.7





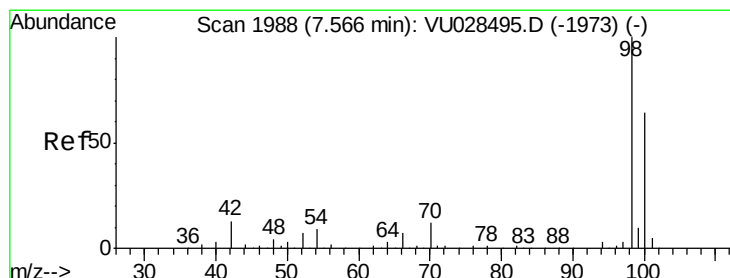
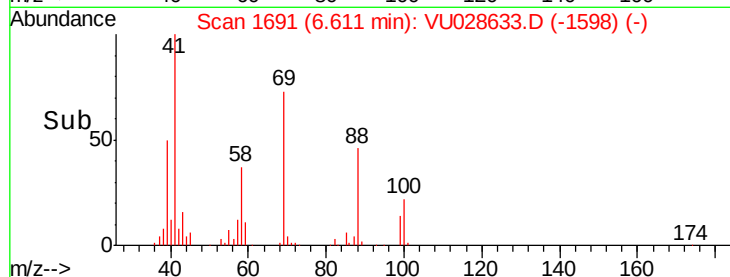
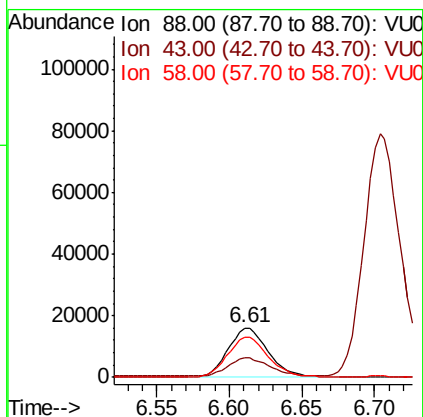
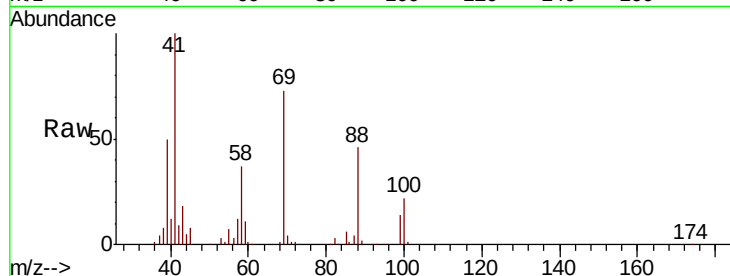
#49
1,4-Dioxane
Concen: 1205.524 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	30.9	46.3
58	81.6	62.4	93.6

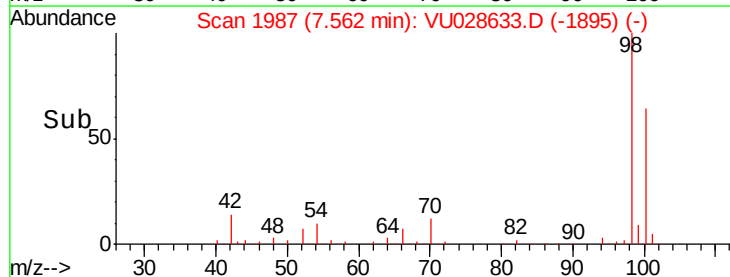
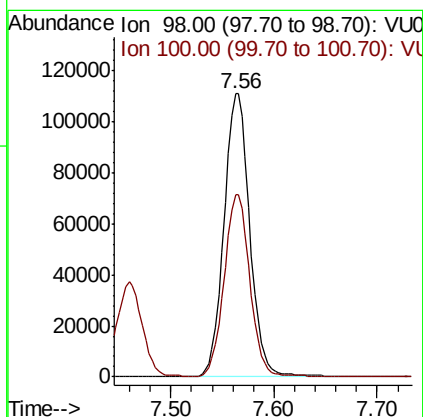
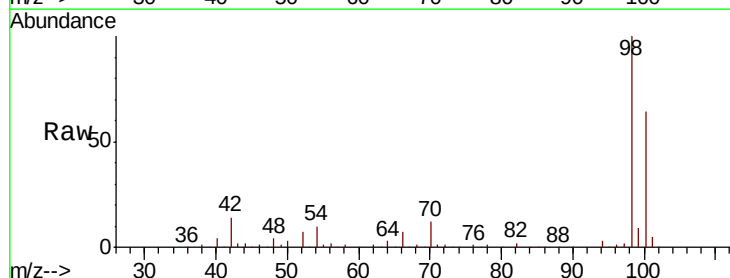
Manual Integrations
APPROVED

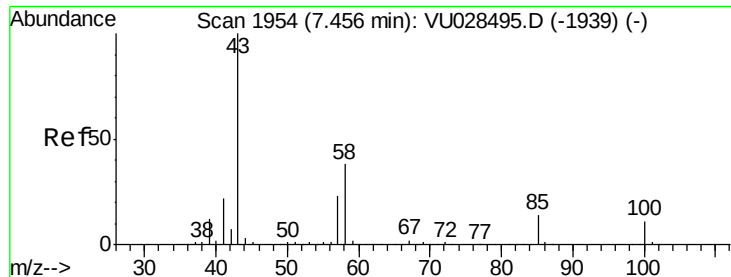
MMDadoda
12/12/2018 11:49:06 AM



#50
Toluene-d8
Concen: 52.929 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 287.920 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion: 43 Resp: 597324

Ion Ratio Lower Upper

43 100

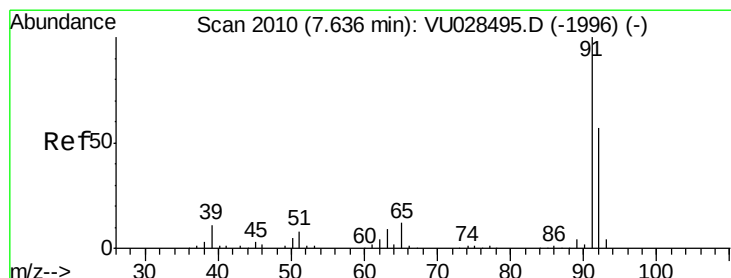
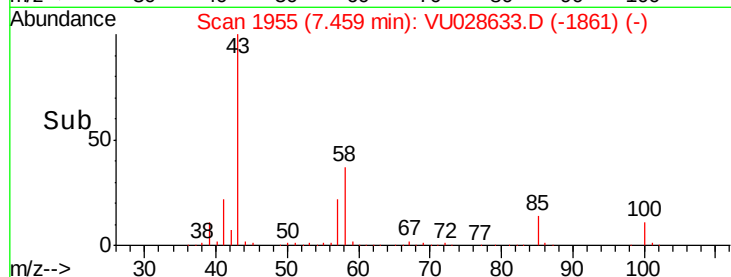
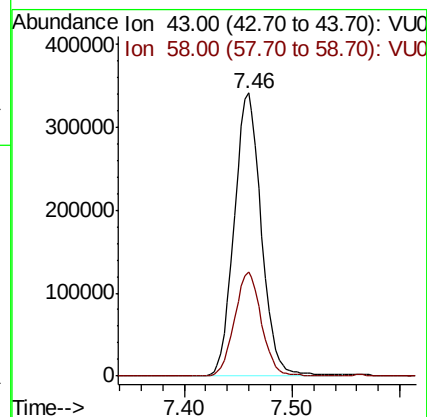
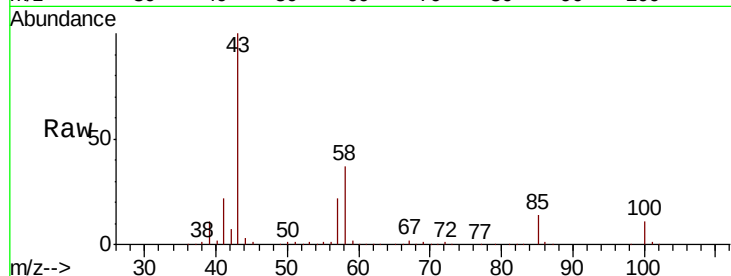
58 36.7 30.2 45.2

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:49:06 AM



#52

Toluene

Concen: 49.658 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028633.D

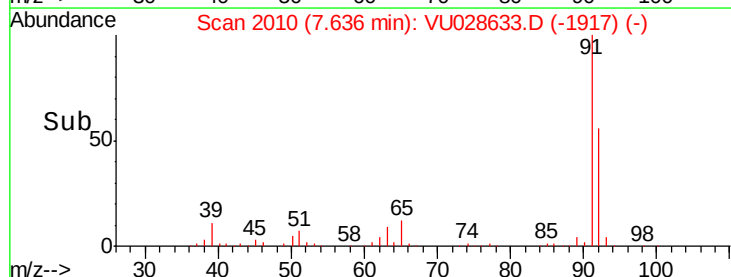
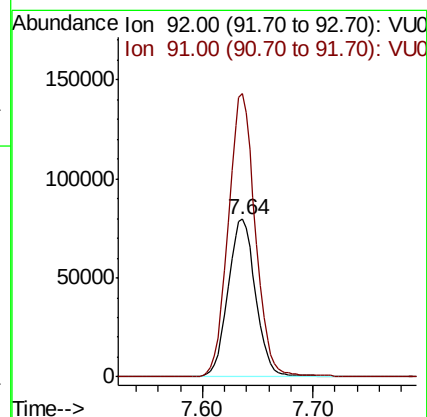
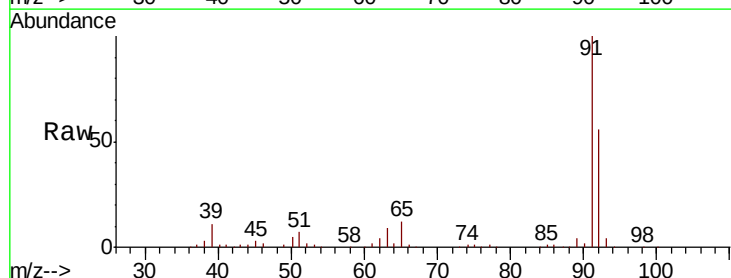
Acq: 12 Dec 2018 01:41

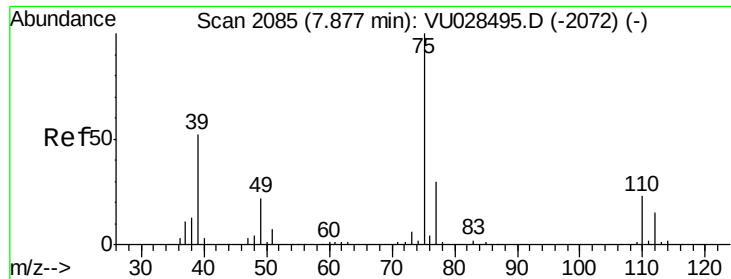
Tgt Ion: 92 Resp: 138468

Ion Ratio Lower Upper

92 100

91 175.9 140.2 210.4





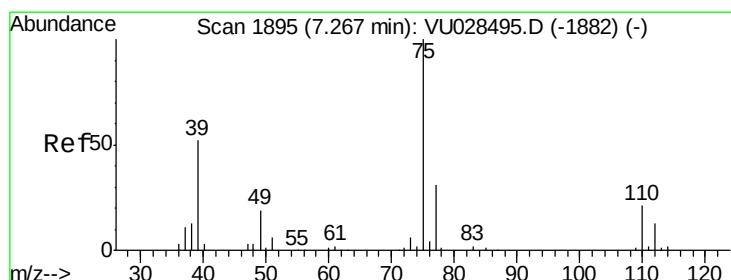
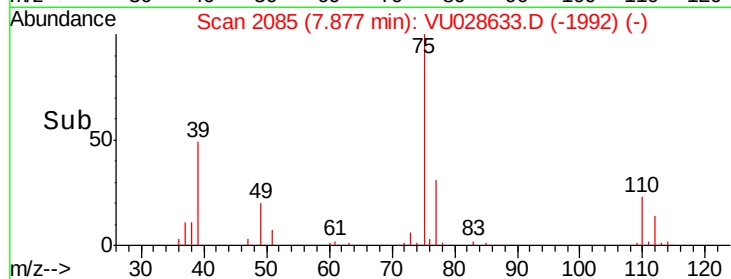
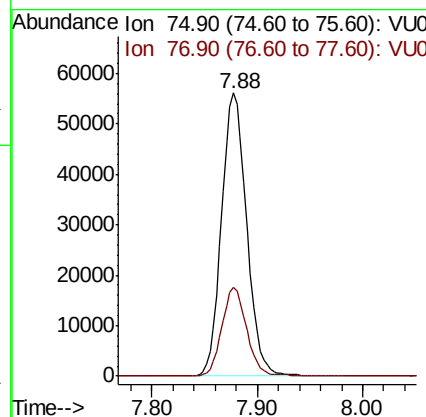
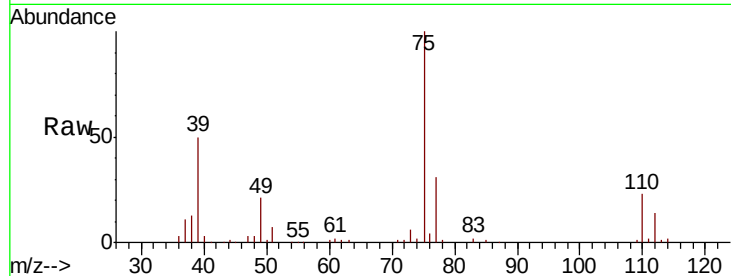
#53
t-1,3-Dichloropropene
Concen: 50.616 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion: 75 Resp: 92735
Ion Ratio Lower Upper
75 100
77 31.2 24.2 36.4

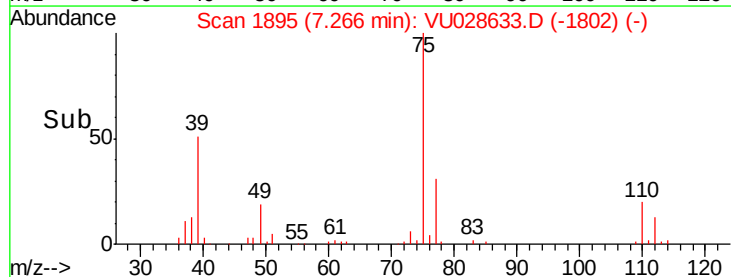
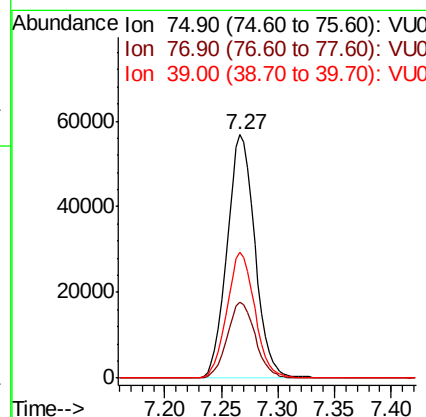
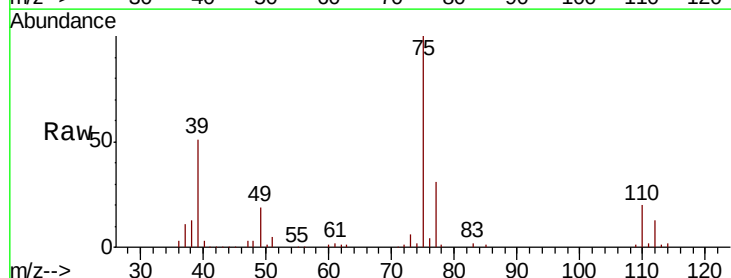
Manual Integrations
APPROVED

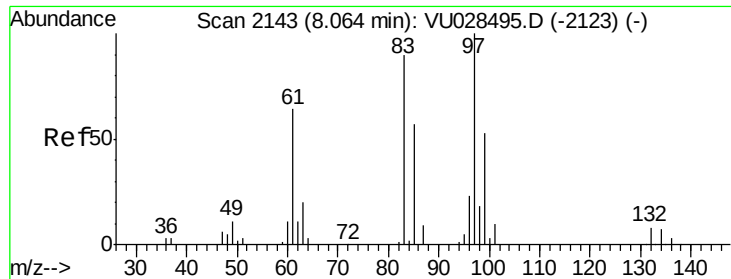
MMDadoda
12/12/2018 11:49:06 AM



#54
cis-1,3-Dichloropropene
Concen: 49.033 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion: 75 Resp: 97466
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4
39 51.5 41.3 61.9





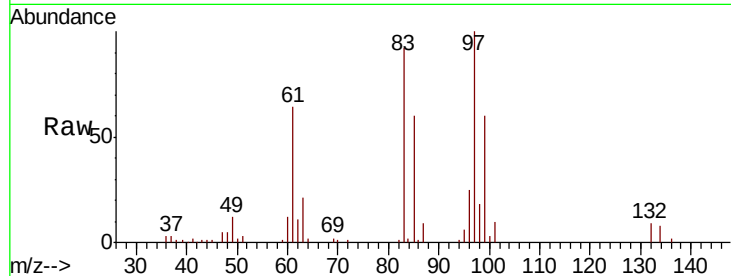
#55
 1,1,2-Trichloroethane
 Concen: 51.479 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion:	97	Resp:	56743
Ion	Ratio	Lower	Upper
97	100		
83	91.5	72.4	108.6
85	60.1	46.0	69.0
99	60.2	47.4	71.2

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:49:06 AM



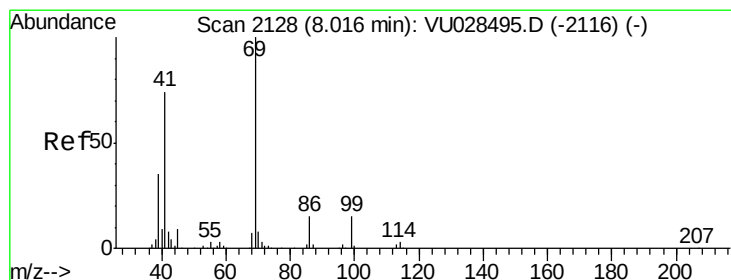
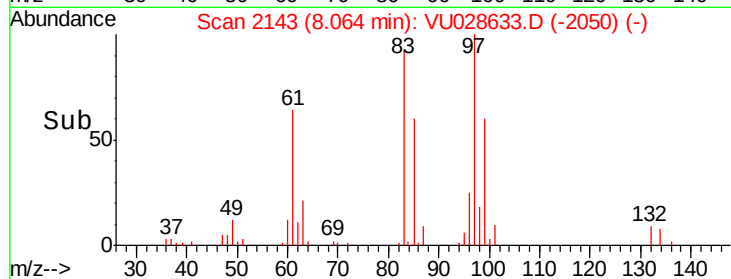
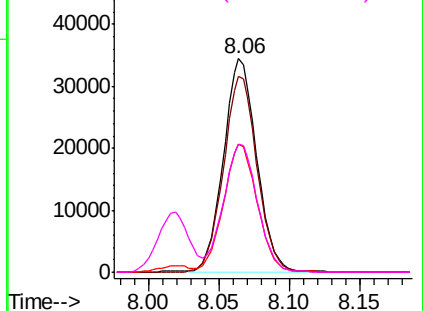
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

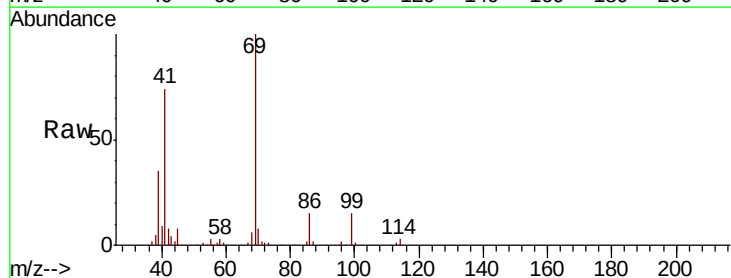
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 54.500 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Tgt Ion:	69	Resp:	102872
Ion	Ratio	Lower	Upper
69	100		
41	74.3	59.1	88.7
39	36.1	28.4	42.6

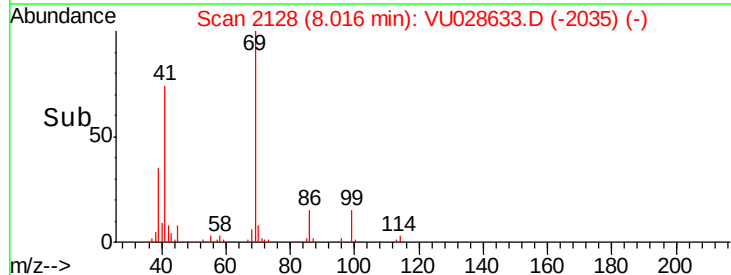
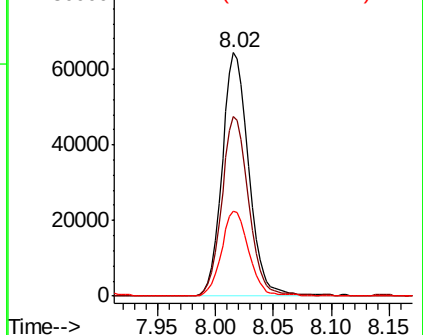


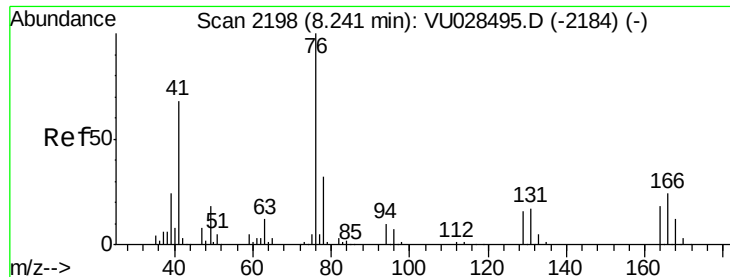
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





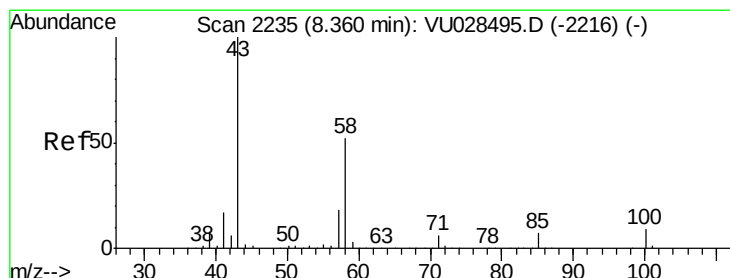
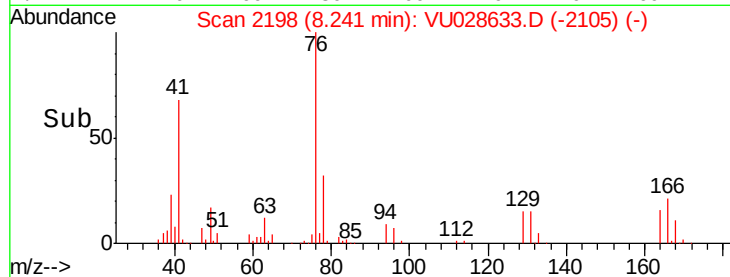
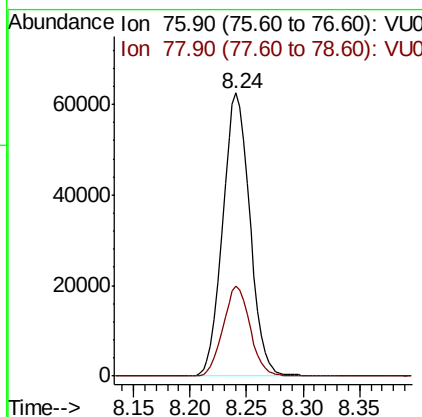
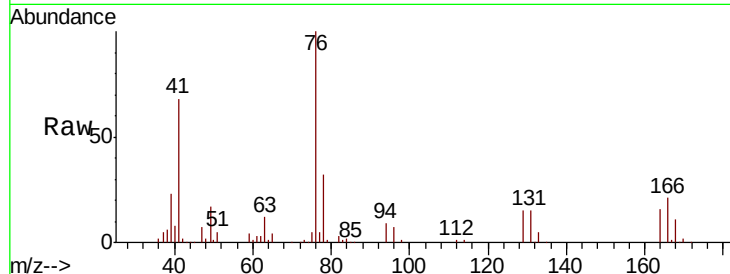
#57
 1,3-Dichloropropane
 Concen: 51.042 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.2	37.8

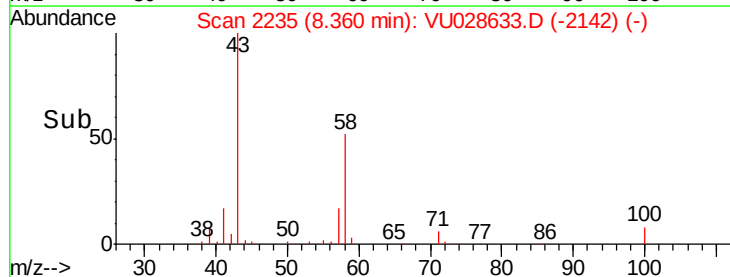
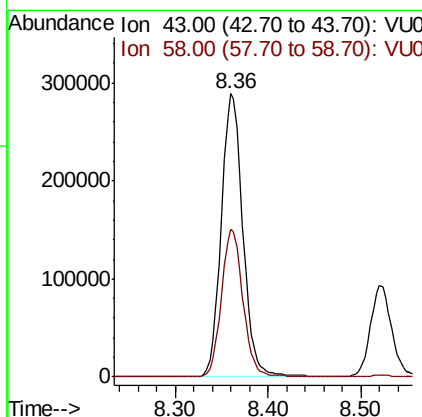
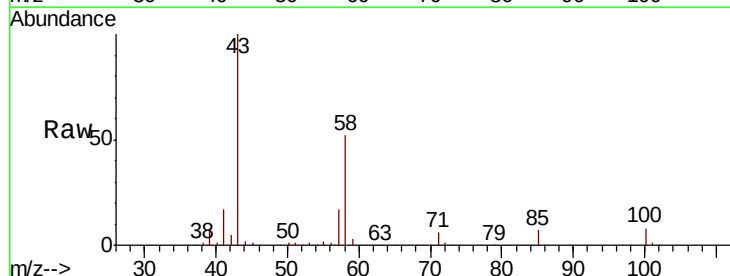
Manual Integrations
 APPROVED

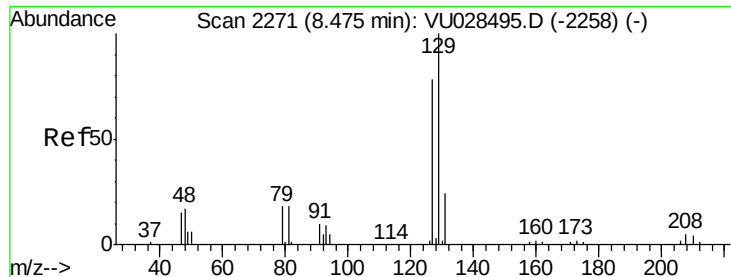
MMDadoda
 12/12/2018 11:49:06 AM



#59
 2-Hexanone
 Concen: 283.131 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.3	25.9	77.6





#60

Dibromochloromethane

Concen: 50.136 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion:129 Resp: 54106

Ion Ratio Lower Upper

129 100

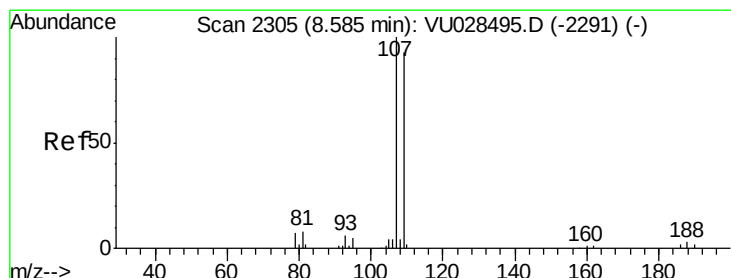
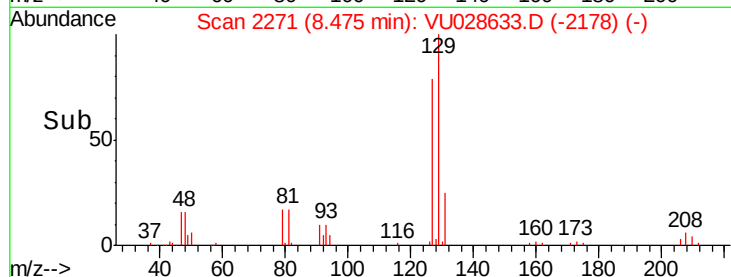
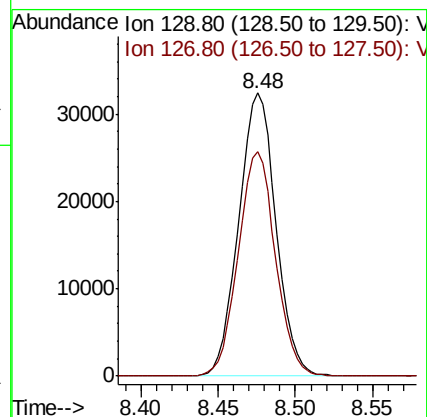
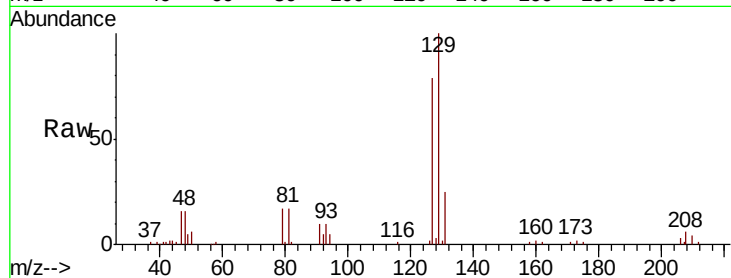
127 79.2 39.1 117.3

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:49:06 AM



#61

1,2-Dibromoethane

Concen: 51.800 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028633.D

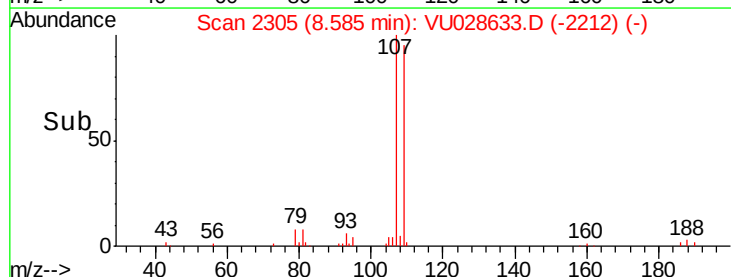
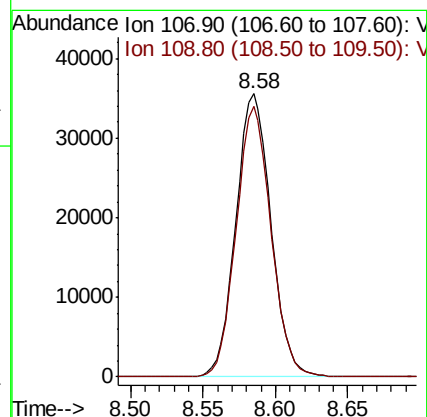
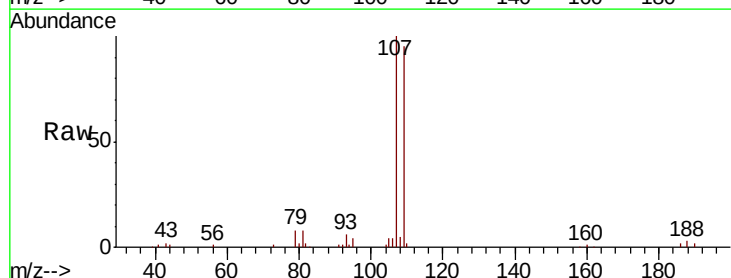
Acq: 12 Dec 2018 01:41

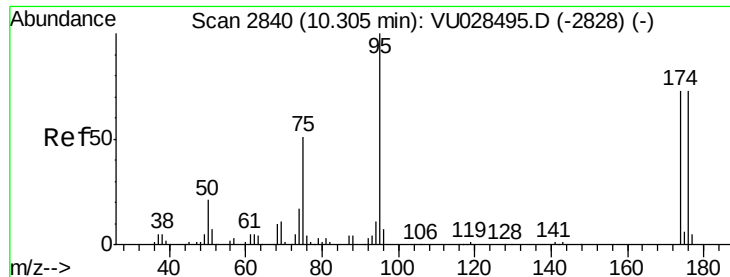
Tgt Ion:107 Resp: 59875

Ion Ratio Lower Upper

107 100

109 94.8 74.5 111.7





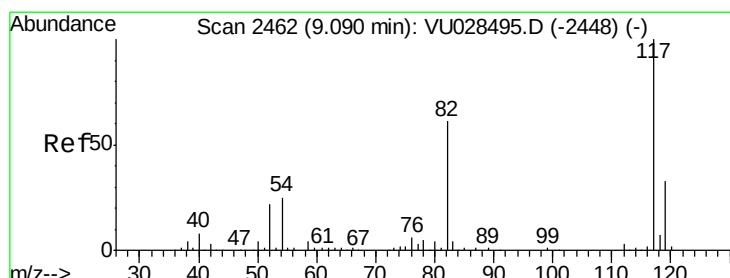
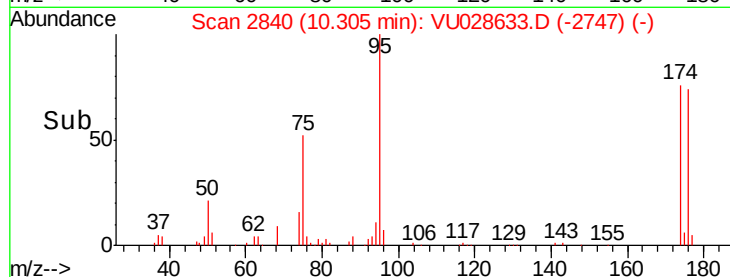
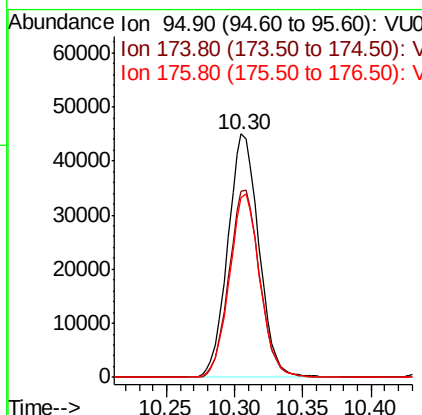
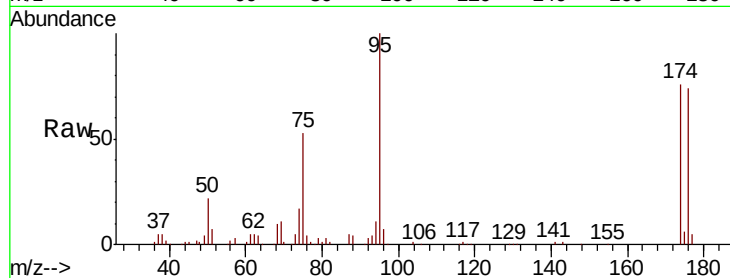
#62
 4-Bromofluorobenzene
 Concen: 52.039 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	150.4
176	73.9	0.0	145.2

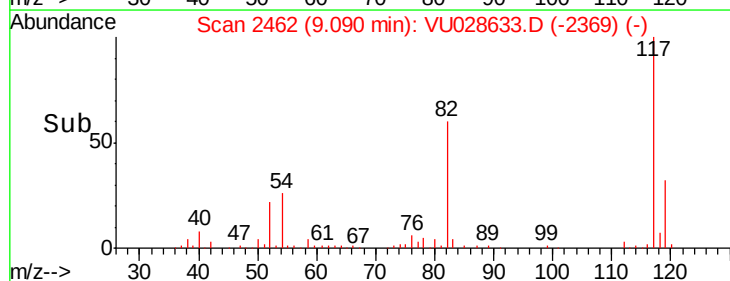
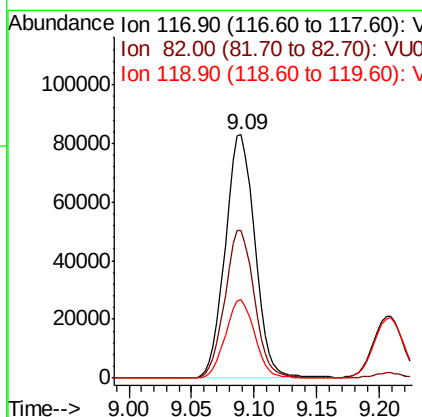
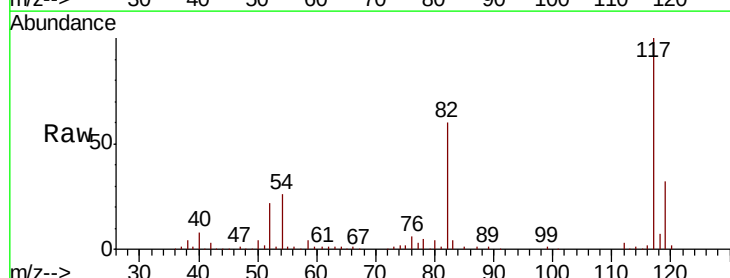
Manual Integrations
 APPROVED

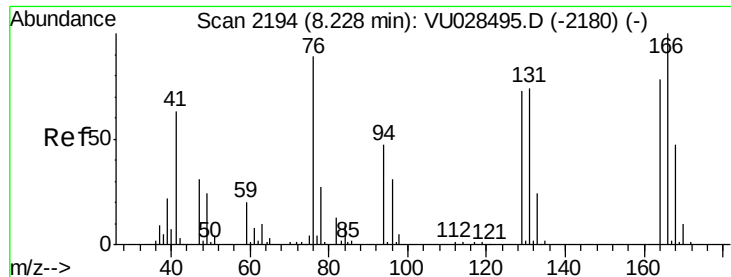
MMDadoda
 12/12/2018 11:49:06 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.4	48.9	73.3
119	32.0	26.2	39.4





#64

Tetrachloroethene

Concen: 46.093 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion:164 Resp: 42082

Ion Ratio Lower Upper

164 100

166 130.1 101.9 152.9

129 99.5 74.9 112.3

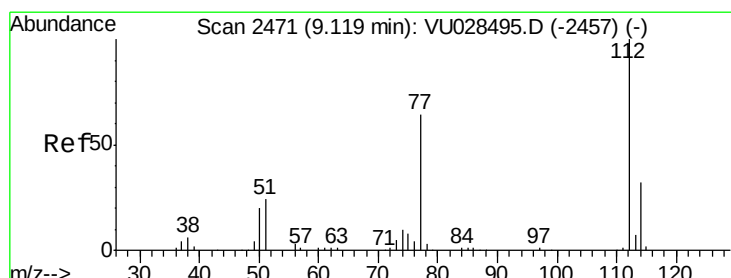
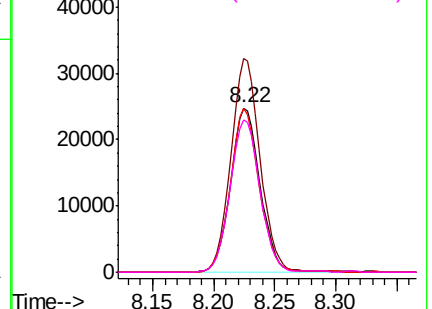
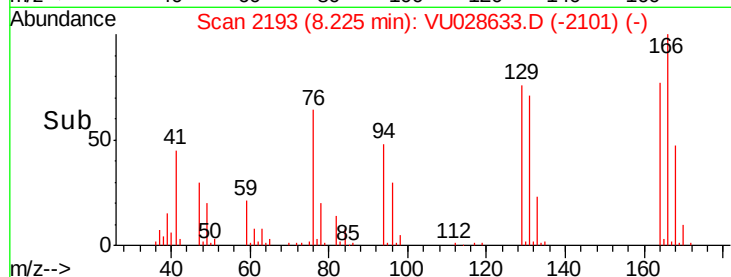
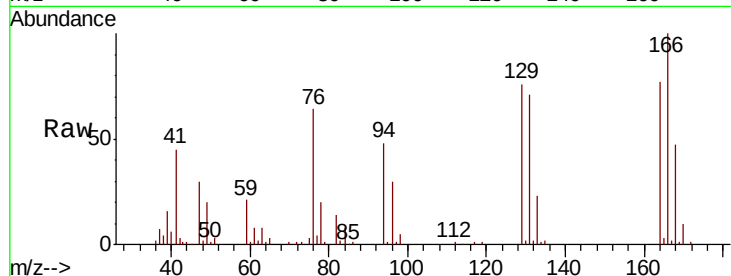
131 92.8 75.4 113.0

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:49:06 AM



#65

Chlorobenzene

Concen: 49.158 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028633.D

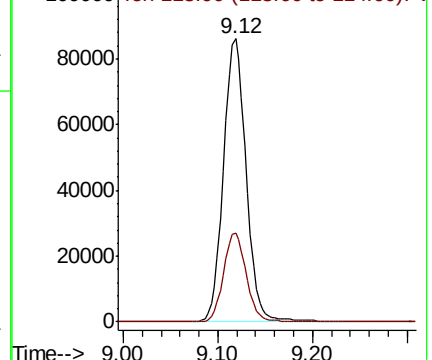
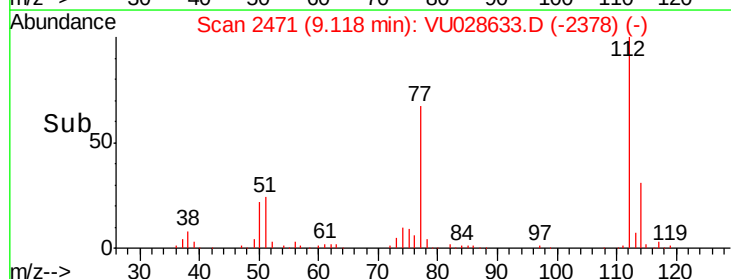
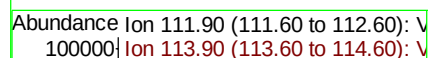
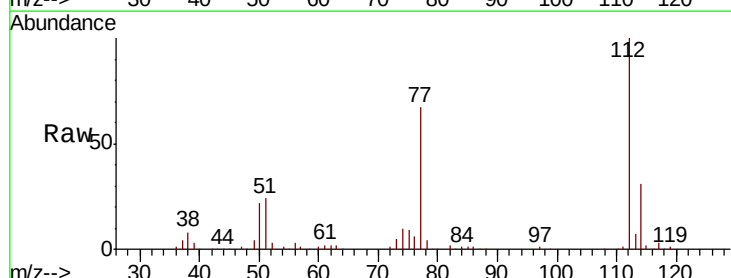
Acq: 12 Dec 2018 01:41

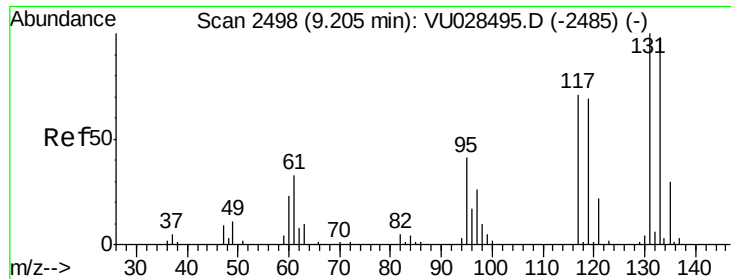
Tgt Ion:112 Resp: 143377

Ion Ratio Lower Upper

112 100

114 31.4 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 52.894 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

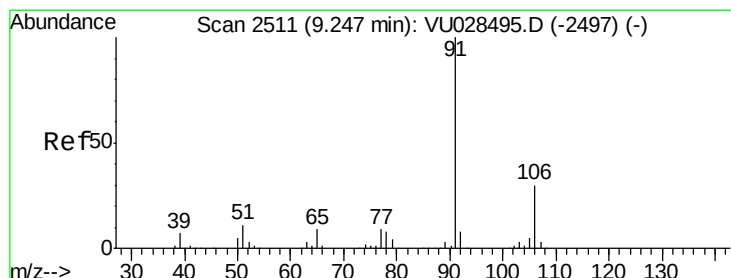
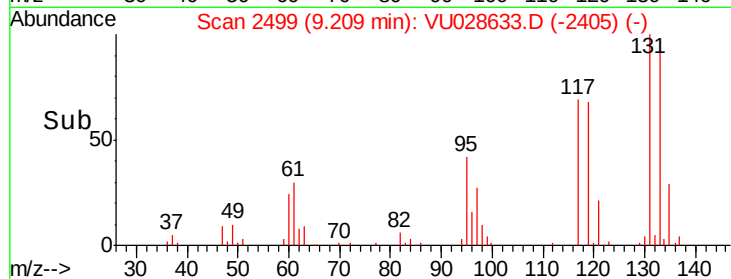
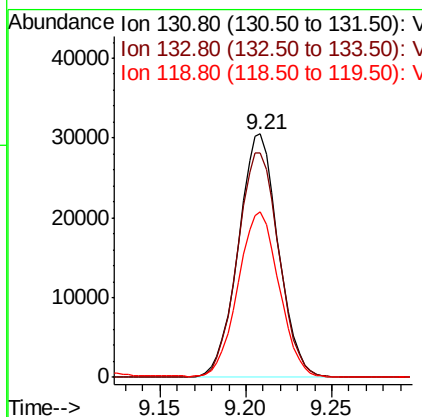
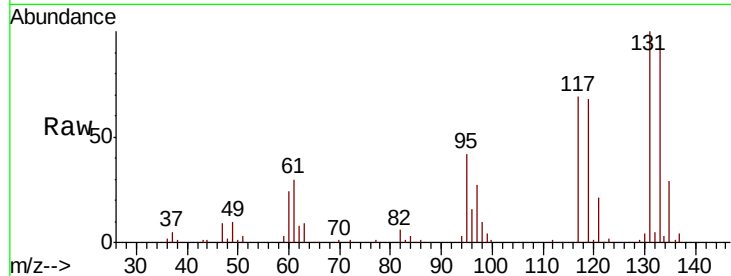
ClientSampleId :

P001-SW001-01MSD

Tot Ion:	131	Resp:	49264
Ion Ratio	Lower	Upper	
131	100		
133	95.9	48.0	144.0
119	69.9	34.6	103.9

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:06 AM



#67

Ethyl Benzene

Concen: 49.769 ug/l

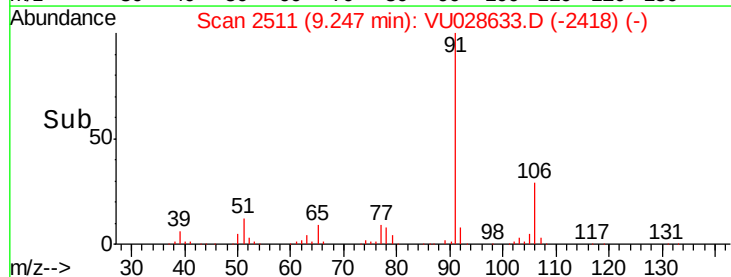
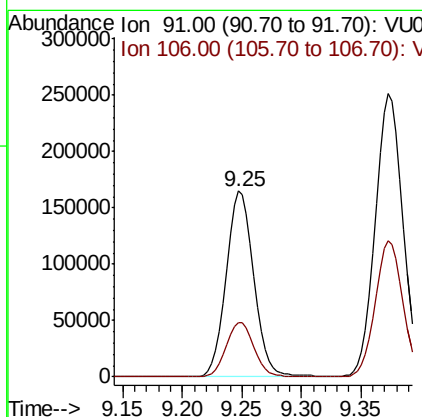
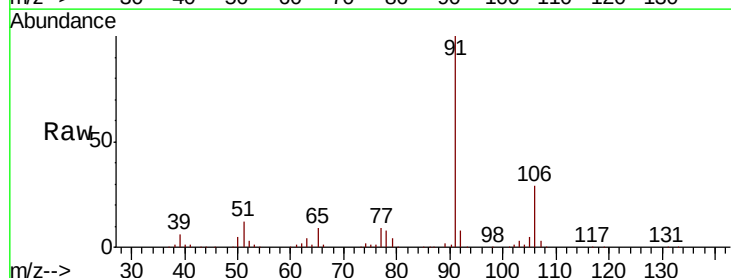
RT: 9.25 min Scan# 2511

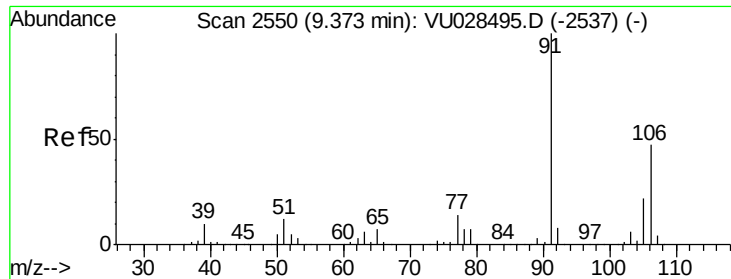
Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Tgt Ion:	91	Resp:	266848
Ion Ratio	Lower	Upper	
91	100		
106	29.2	24.1	36.1





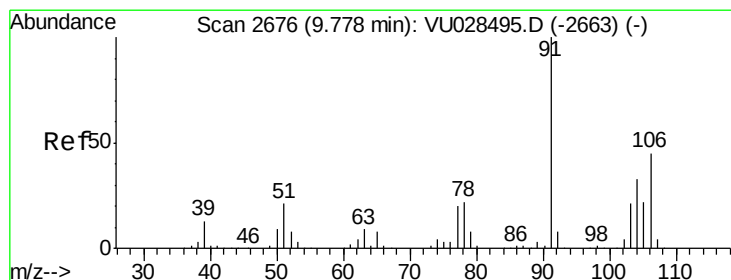
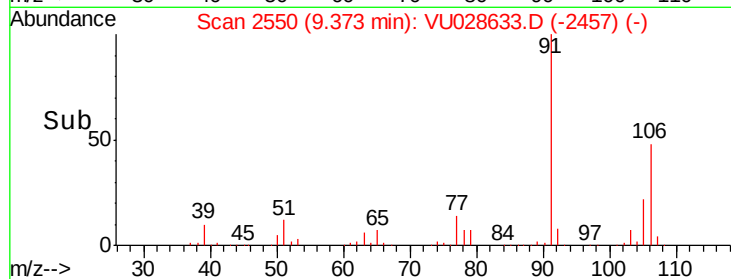
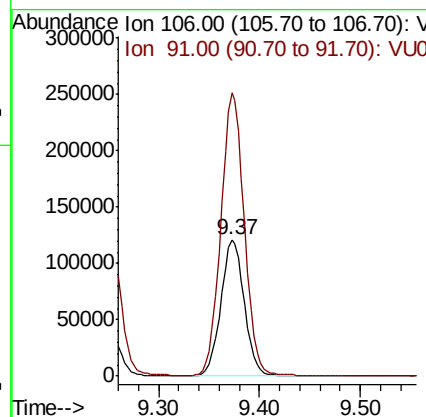
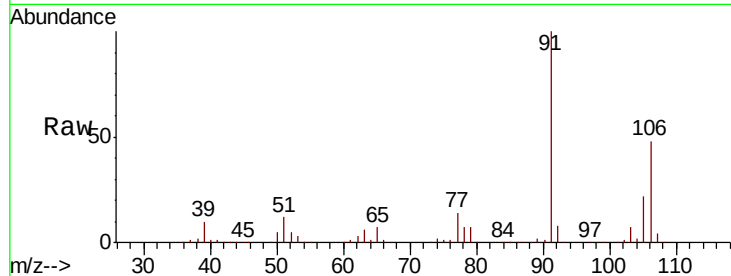
#68
m/p-Xylenes
Concen: 100.614 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion:106 Resp: 196296
Ion Ratio Lower Upper
106 100
91 208.0 167.4 251.0

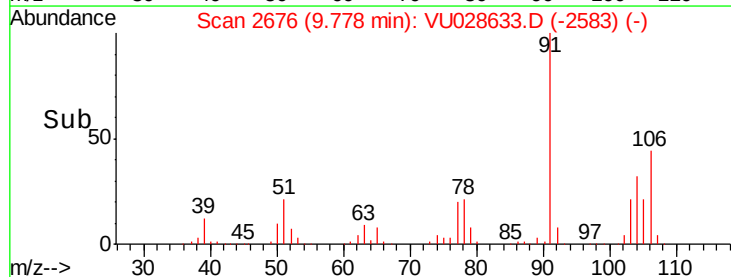
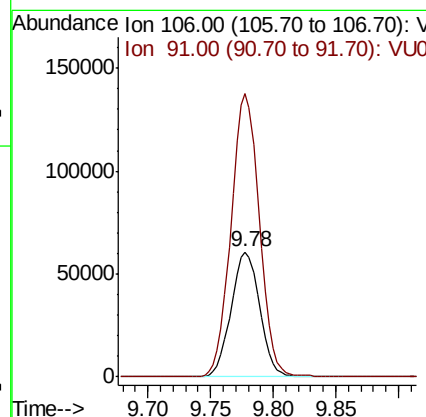
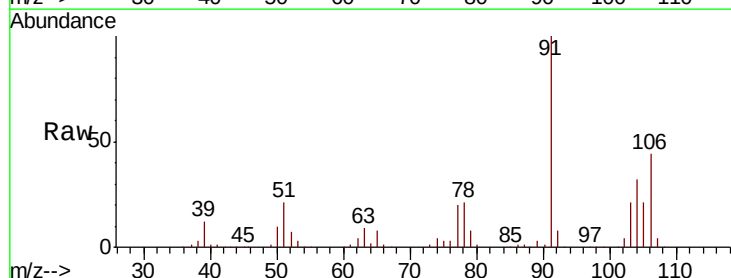
Manual Integrations
APPROVED

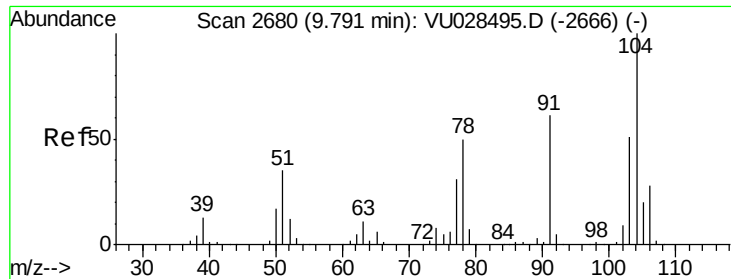
MMDadoda
12/12/2018 11:49:06 AM



#69
o-Xylene
Concen: 50.663 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion:106 Resp: 96055
Ion Ratio Lower Upper
106 100
91 224.7 111.3 334.0





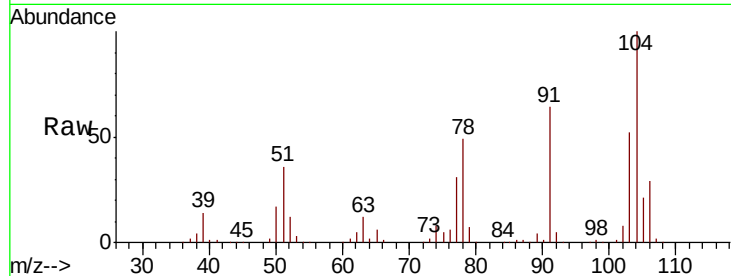
#70
Stvrene
Concen: 50.339 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.0	64.6
103	55.7	44.2	66.4

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:06 AM

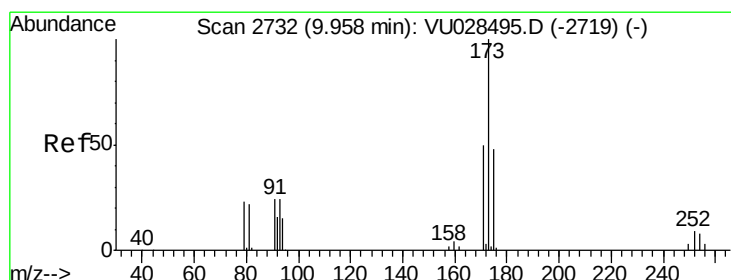
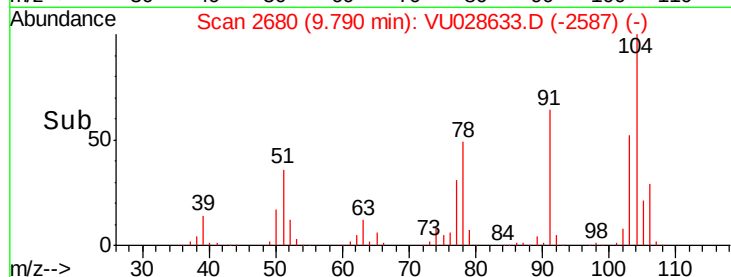
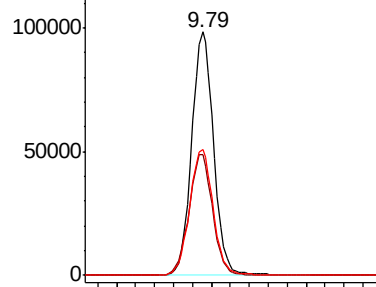


Abundance

Ion 104.00 (103.70 to 104.70): V

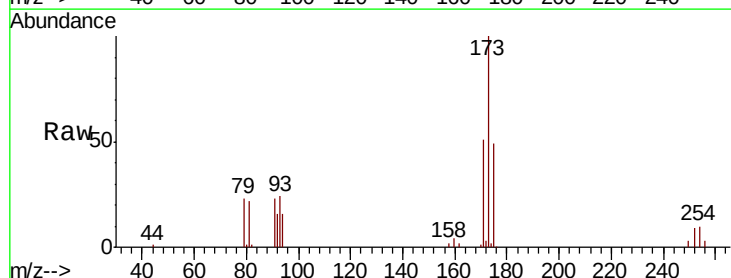
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 54.087 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.9	71.8
254	0.0	0.0	0.0

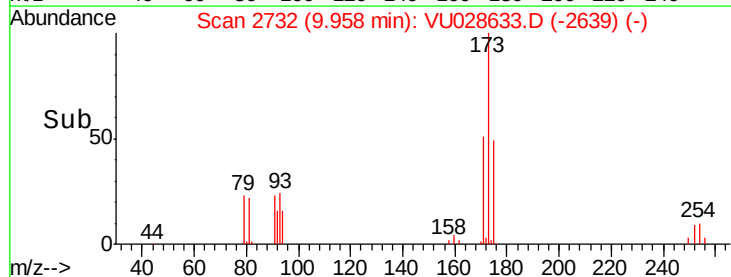
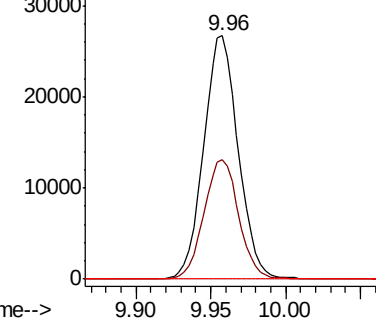


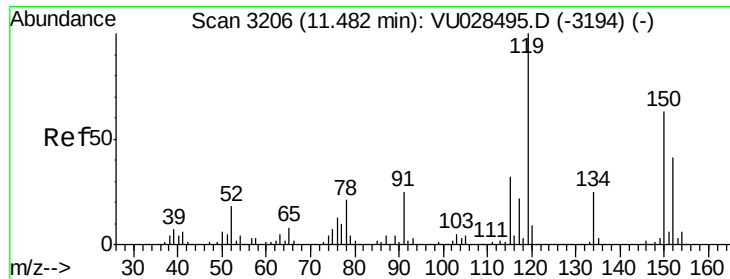
Abundance

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: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion:152 Resp: 65952

Ion Ratio Lower Upper

152 100

115 86.6 42.7 128.1

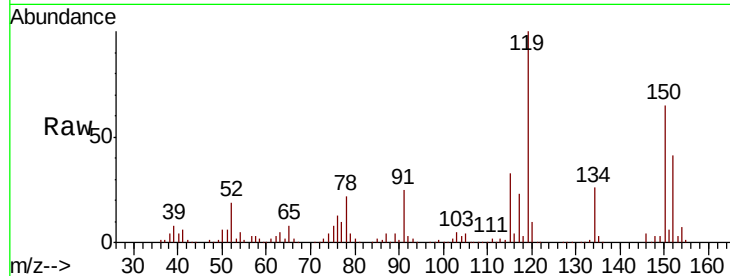
150 174.7 0.0 346.0

Manual Integrations

APPROVED

MMDadoda

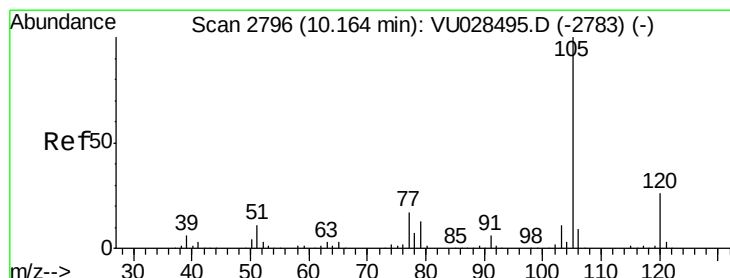
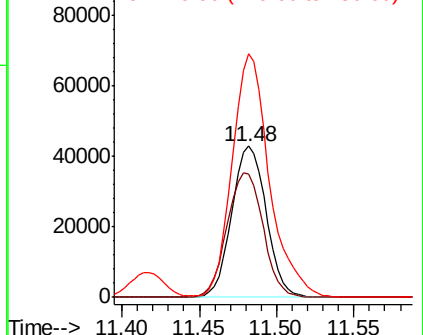
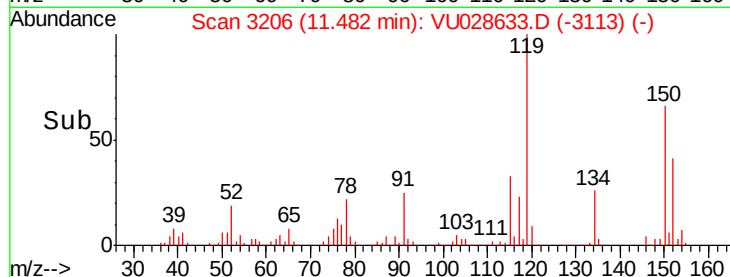
12/12/2018 11:49:06 AM



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: 49.377 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028633.D

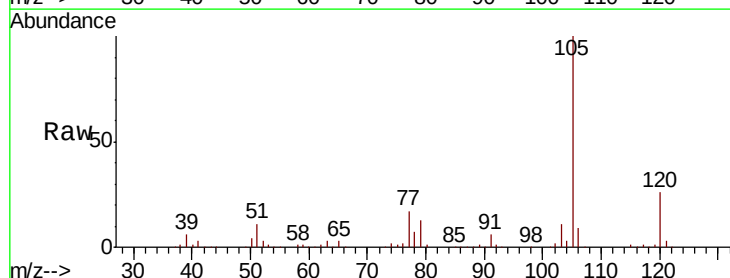
Acq: 12 Dec 2018 01:41

Tgt Ion:105 Resp: 249886

Ion Ratio Lower Upper

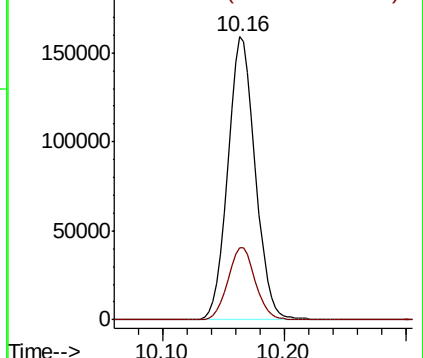
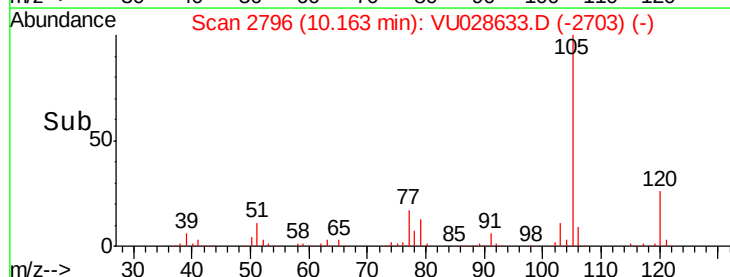
105 100

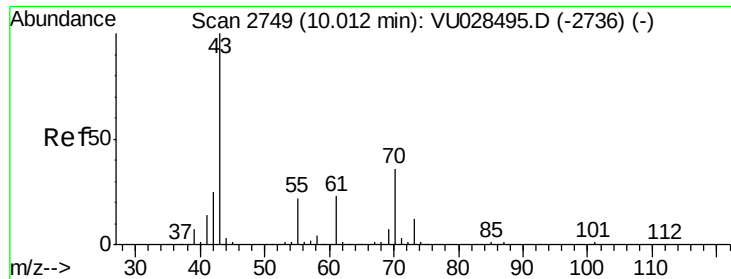
120 25.7 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 50.016 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

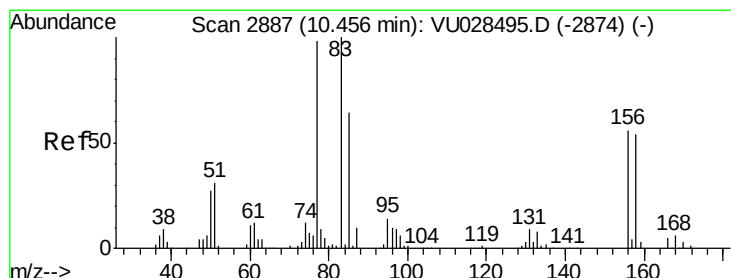
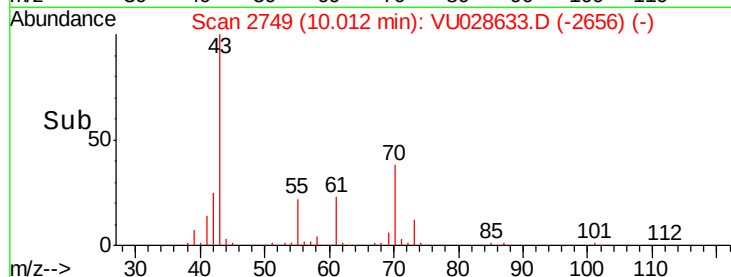
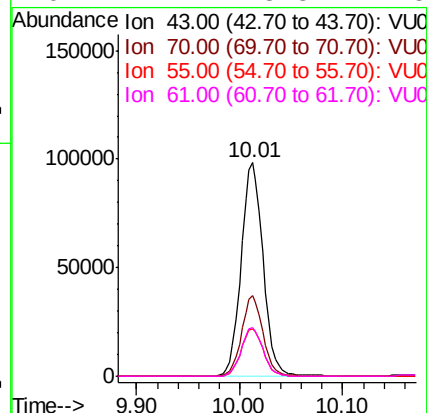
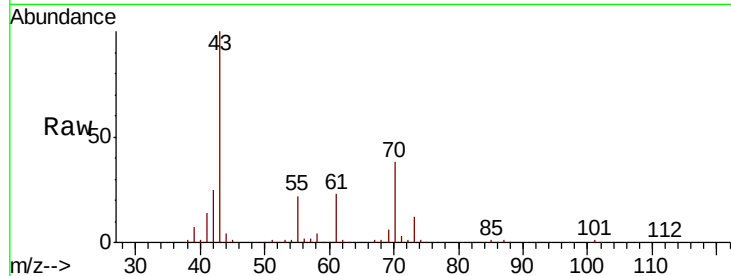
ClientSampleId :

P001-SW001-01MSD

Tot Ion:	43	Resp:	146006
Ion	Ratio	Lower	Upper
43	100		
70	36.5	29.3	43.9
55	22.5	18.0	27.0
61	22.7	18.3	27.5

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:06 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 55.594 ug/l

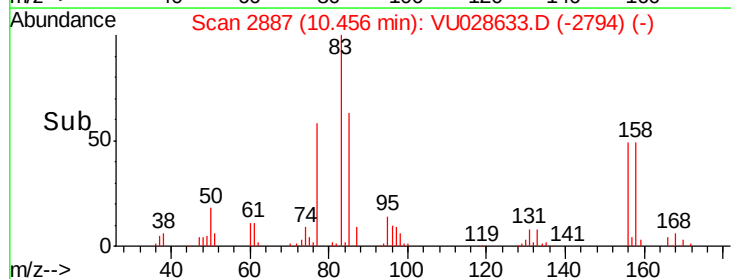
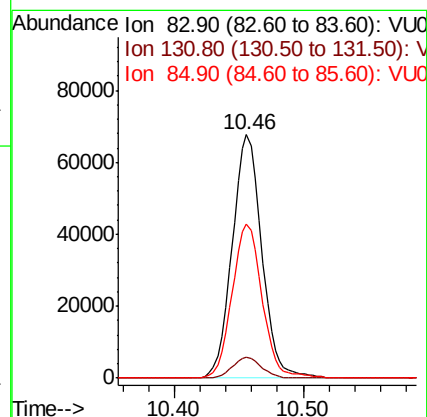
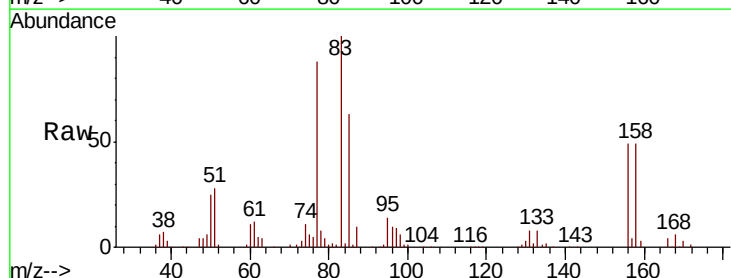
RT: 10.46 min Scan# 2887

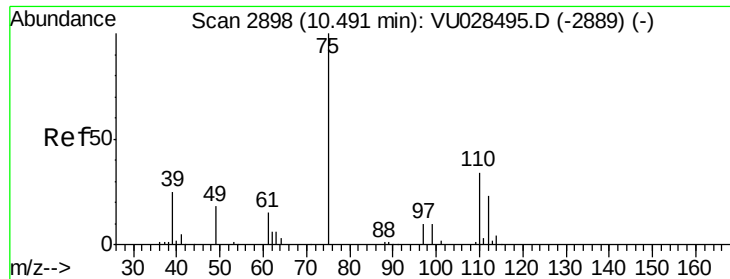
Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Tgt Ion:	83	Resp:	108077
Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.2	12.4
85	64.3	31.8	95.4





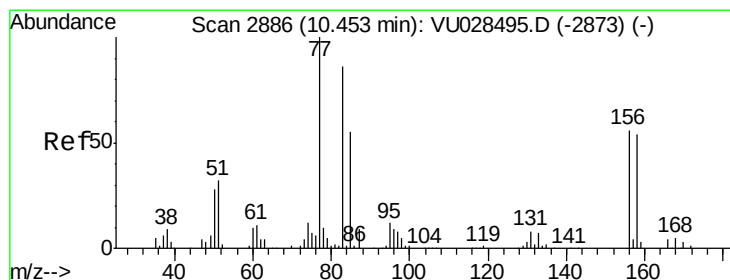
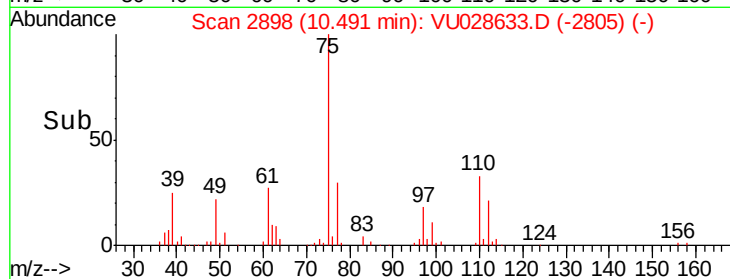
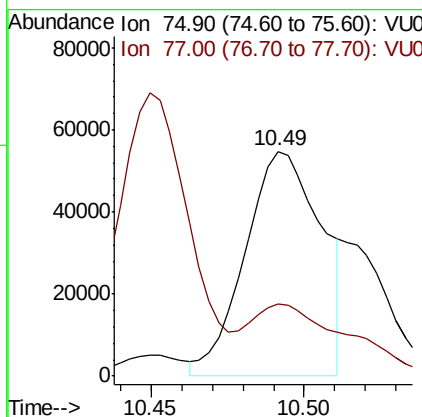
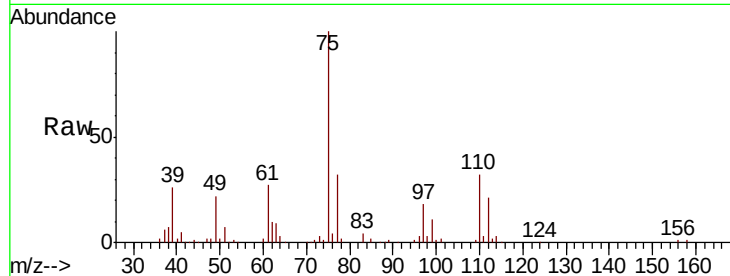
#76
 1,2,3-Trichloropropane
 Concen: 56.527 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion: 75 Resp: 95197
 Ion Ratio Lower Upper
 75 100
 77 40.4 20.8 62.4

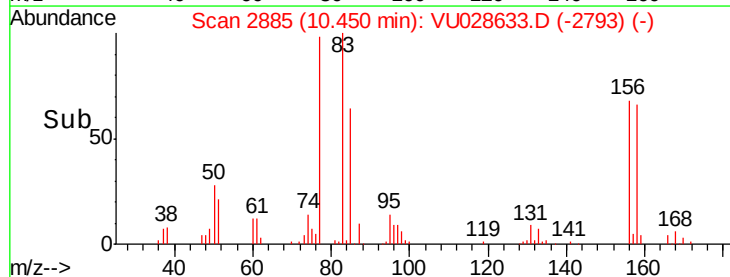
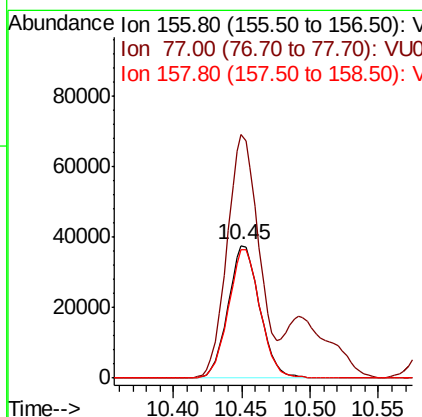
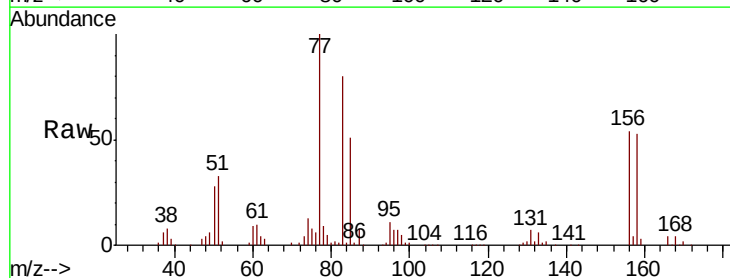
Manual Integrations
 APPROVED

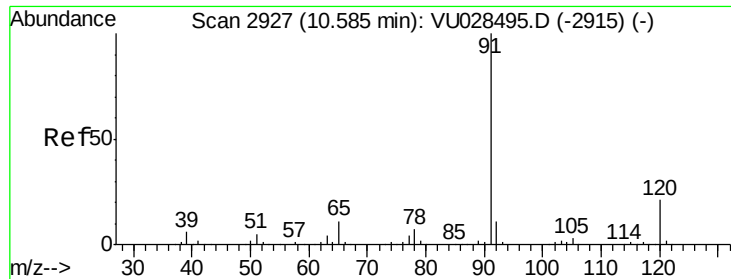
MMDadoda
 12/12/2018 11:49:06 AM



#77
 Bromobenzene
 Concen: 51.108 ug/l
 RT: 10.45 min Scan# 2885
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Tgt Ion: 156 Resp: 60490
 Ion Ratio Lower Upper
 156 100
 77 184.0 92.4 277.2
 158 96.8 48.4 145.3





#78

n-propylbenzene

Concen: 49.209 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion: 91 Resp: 309447

Ion Ratio Lower Upper

91 100

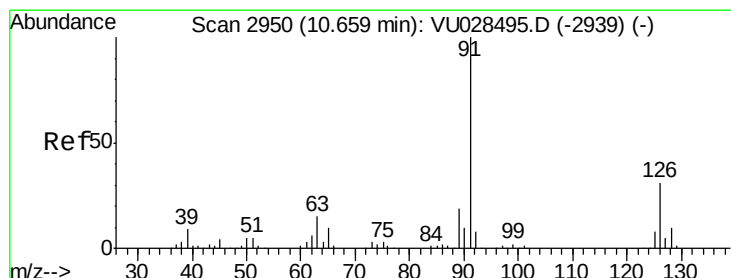
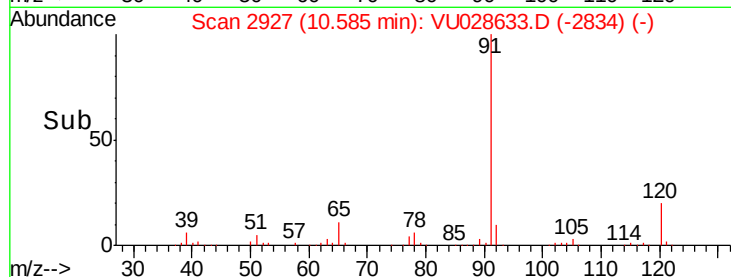
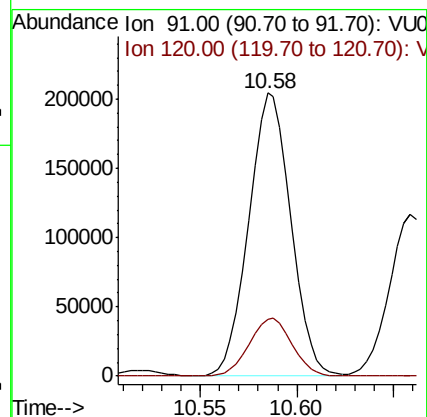
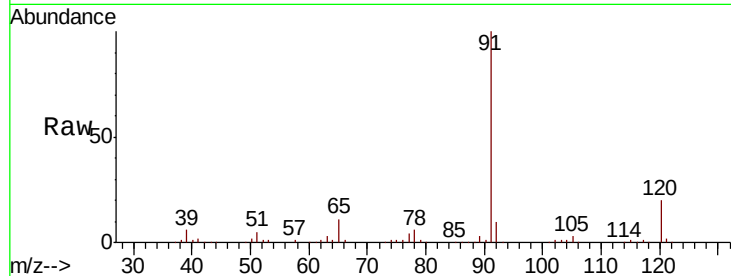
120 20.8 10.6 31.8

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:49:06 AM



#79

2-Chlorotoluene

Concen: 50.900 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028633.D

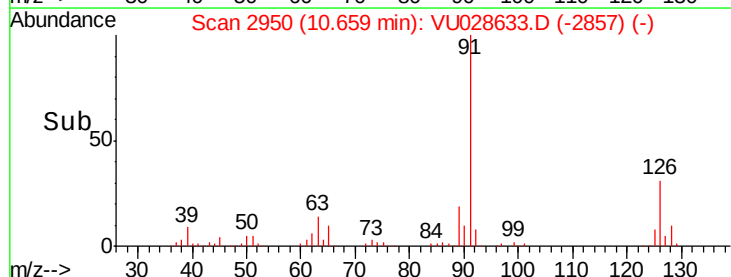
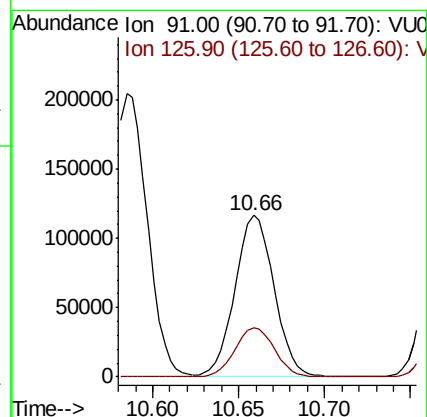
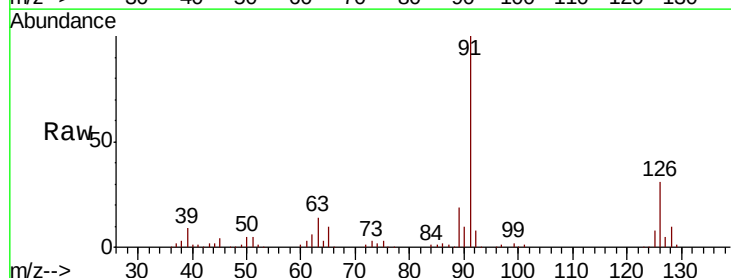
Acq: 12 Dec 2018 01:41

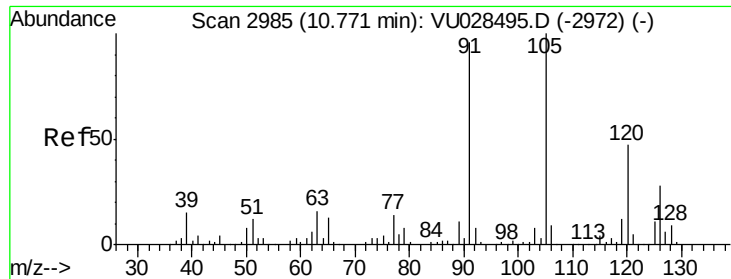
Tgt Ion: 91 Resp: 184374

Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.8





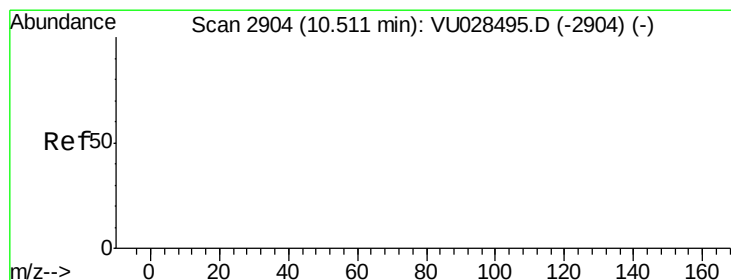
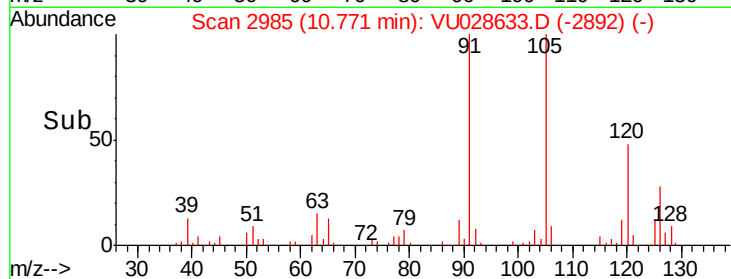
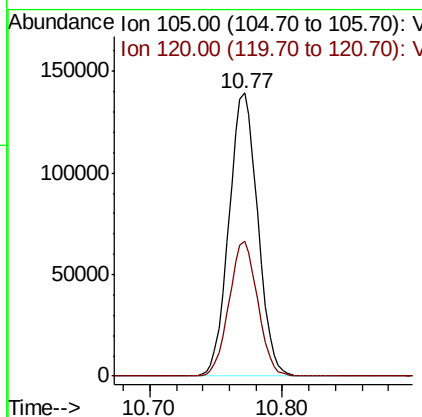
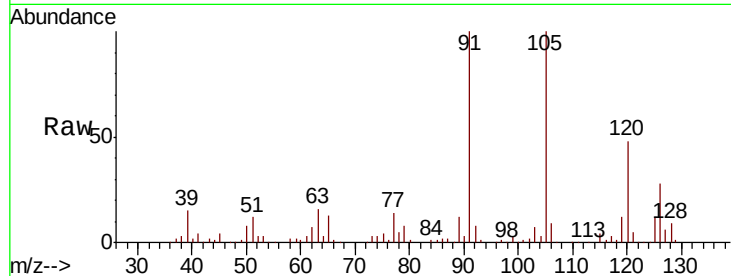
#80
 1,3,5-Trimethylbenzene
 Concen: 50.195 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion:105 Resp: 210271
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1

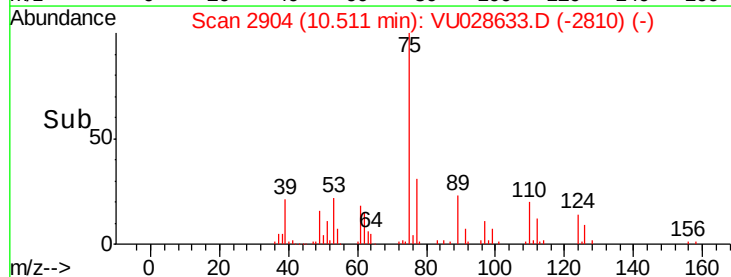
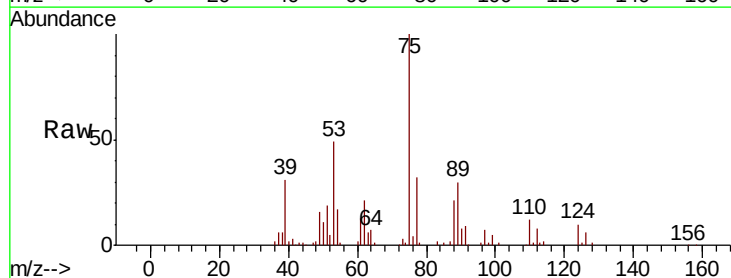
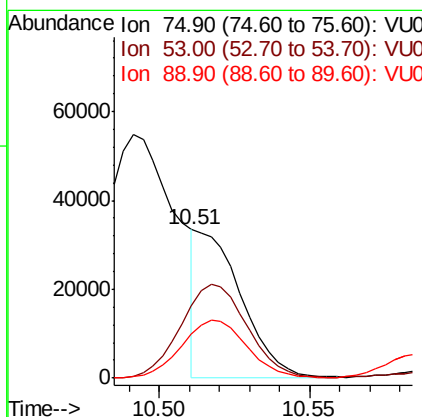
Manual Integrations
 APPROVED

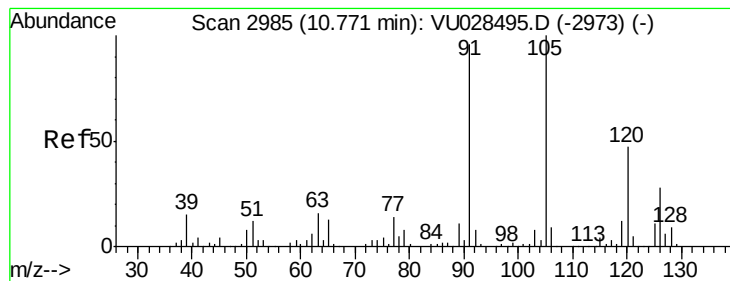
MMDadoda
 12/12/2018 11:49:06 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.447 ug/l m
 RT: 10.51 min Scan# 2904
 Delta R.T. 0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Tgt Ion: 75 Resp: 33865
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 49.041 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MSD

Tot Ion: 91 Resp: 210505

Ion Ratio Lower Upper

91 100

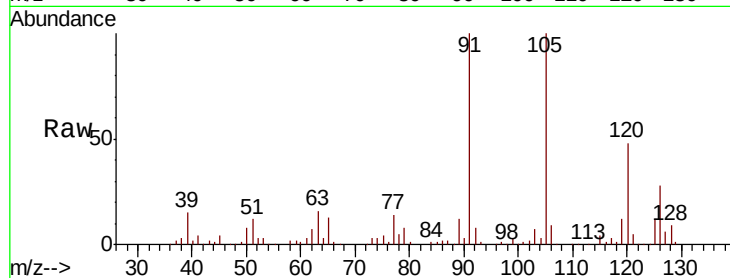
126 28.3 14.1 42.3

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:49:06 AM



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2973) (-)

10.77

150000

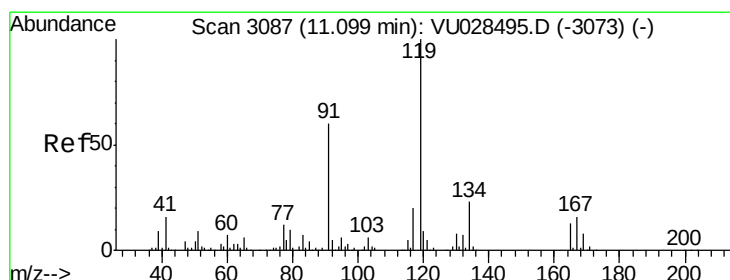
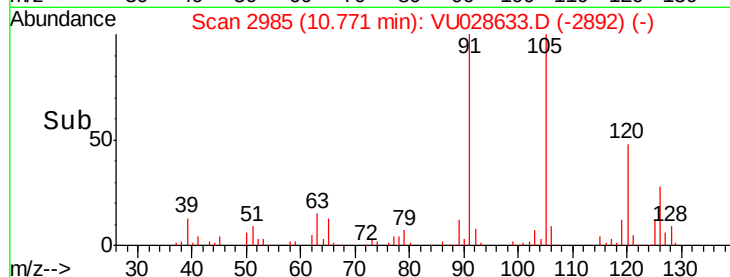
100000

50000

0

10.70 10.80

Time-->



#83

tert-Butylbenzene

Concen: 50.725 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

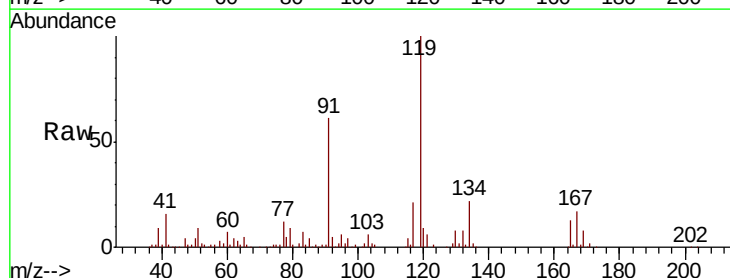
Tgt Ion: 119 Resp: 204814

Ion Ratio Lower Upper

119 100

91 60.5 30.3 91.0

134 21.7 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): VU028495.D (-3073) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-3073) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3073) (-)

11.10

150000

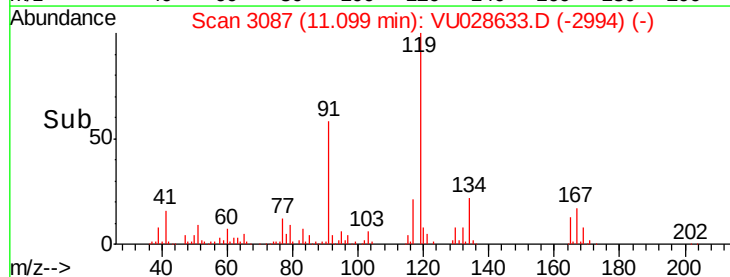
100000

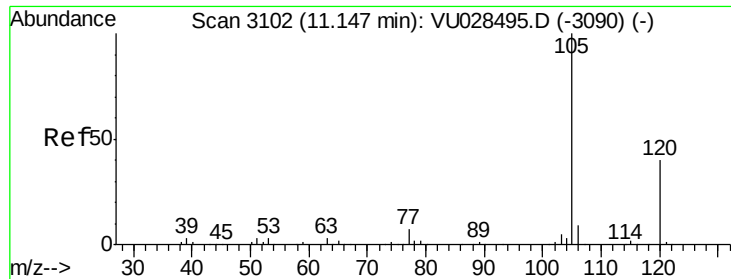
50000

0

11.05 11.10 11.15

Time-->





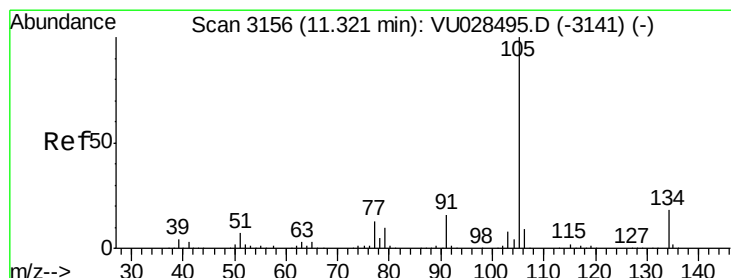
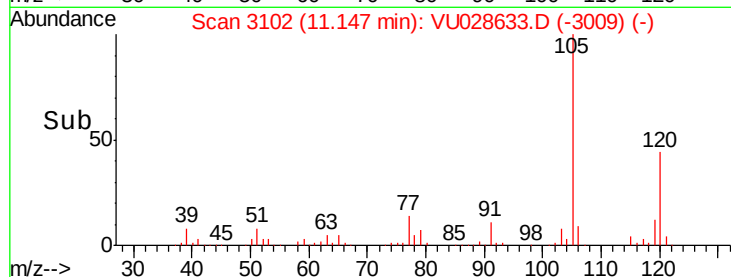
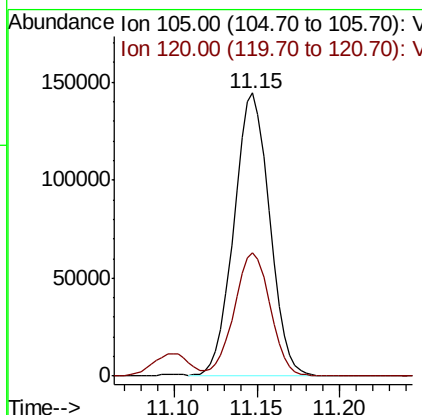
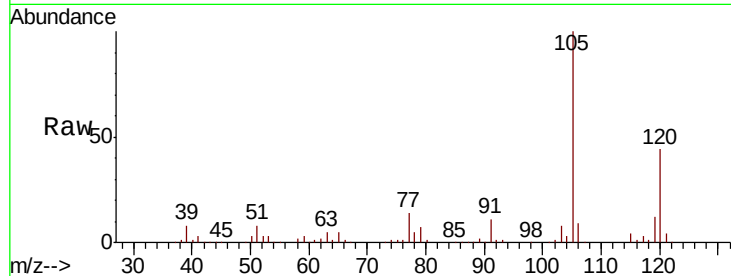
#84
 1,2,4-Trimethylbenzene
 Concen: 50.018 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	215940		
120	120	44.2	21.8	65.4	

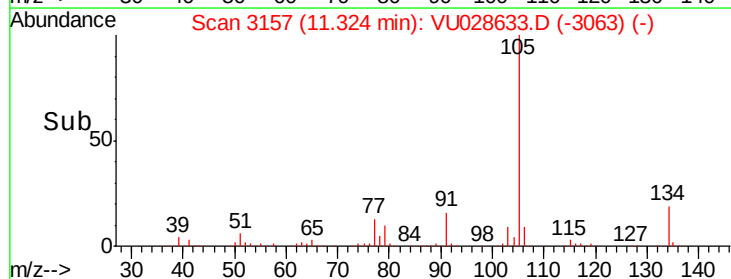
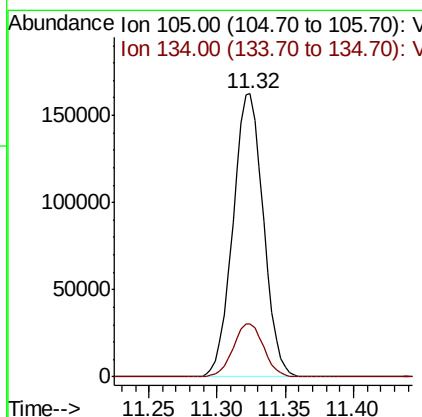
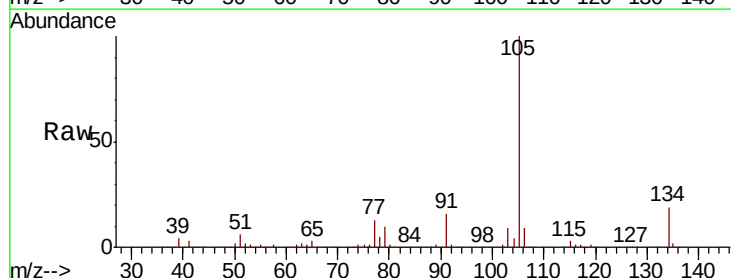
Manual Integrations
 APPROVED

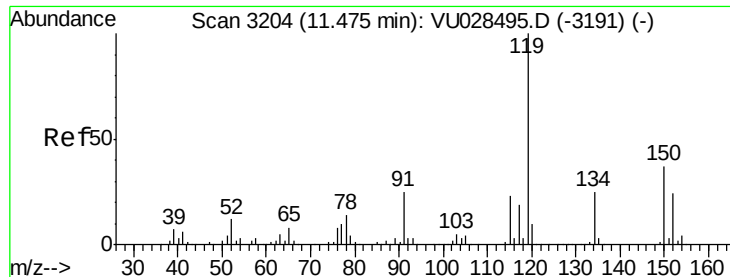
MMDadoda
 12/12/2018 11:49:06 AM



#85
 sec-Butylbenzene
 Concen: 48.477 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	251458		
134	134	18.7	9.2	27.6	





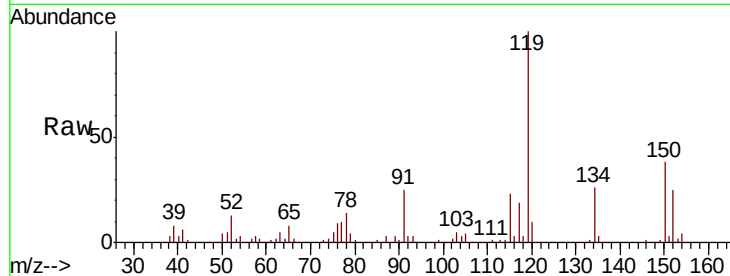
#86
p-Isopropyltoluene
Concen: 47.527 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	209420		
134	26.2		12.7	38.1
91	25.7		12.6	37.6

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:06 AM

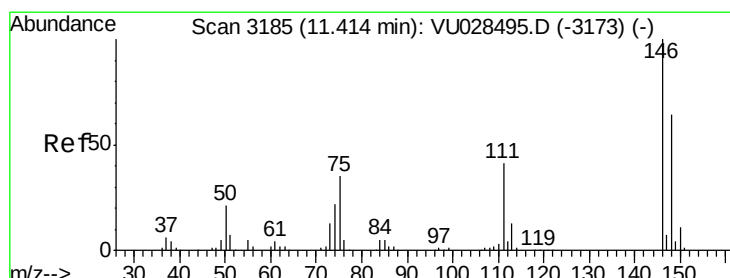
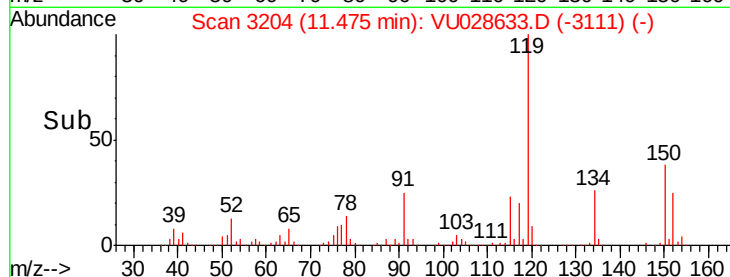
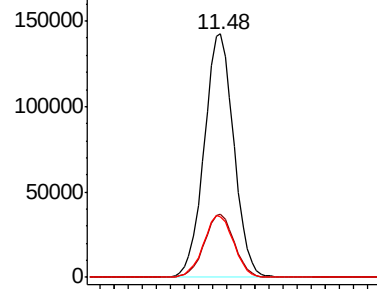


Abundance

Ion 119.00 (118.70 to 119.70): V

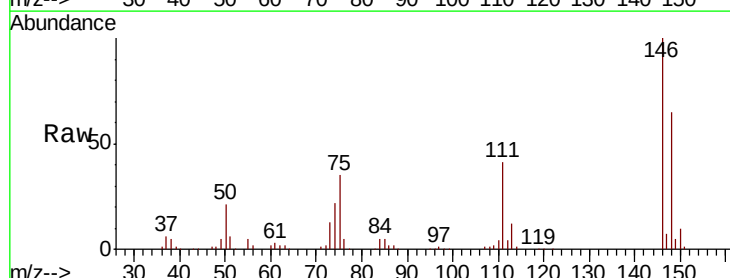
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87
1,3-Dichlorobenzene
Concen: 49.040 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	109600		
111	40.5		20.7	62.1
148	64.2		31.9	95.7

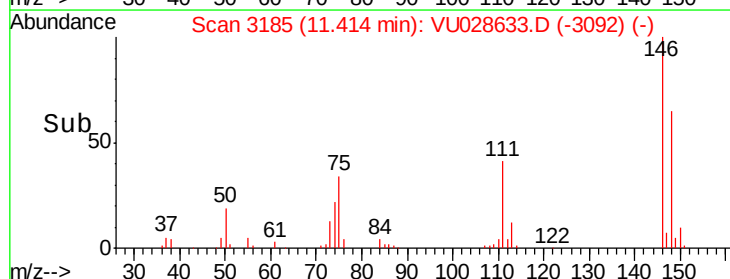
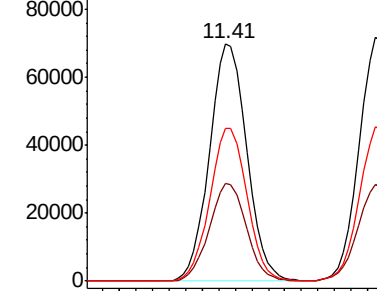


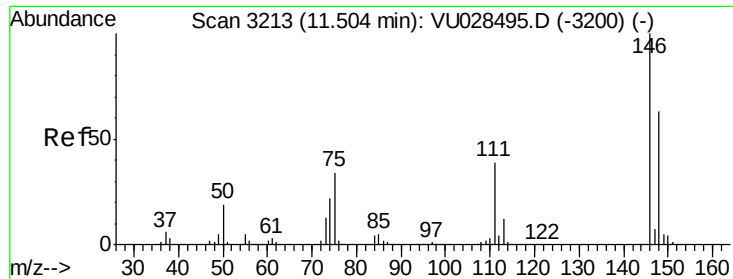
Abundance

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





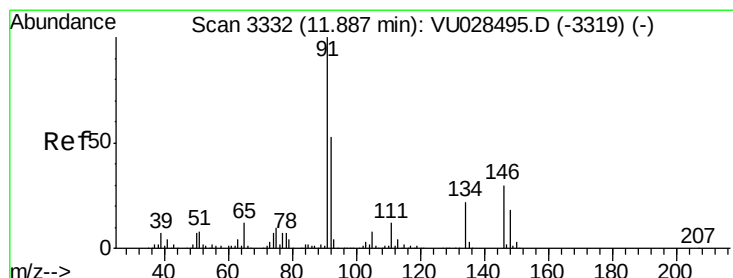
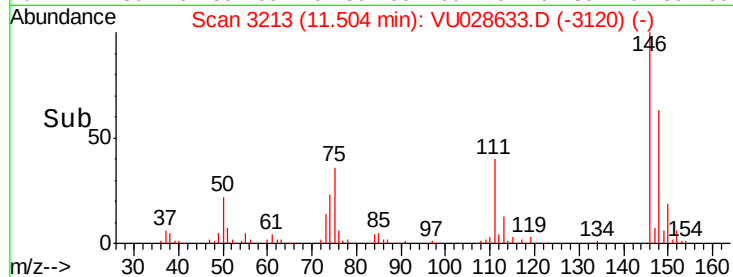
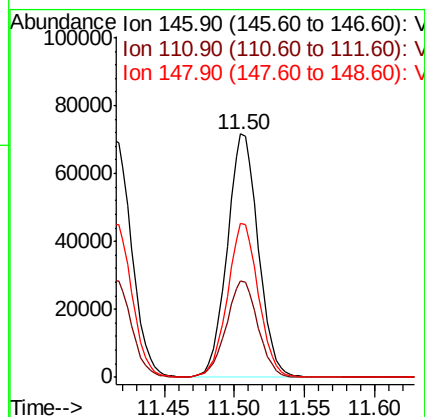
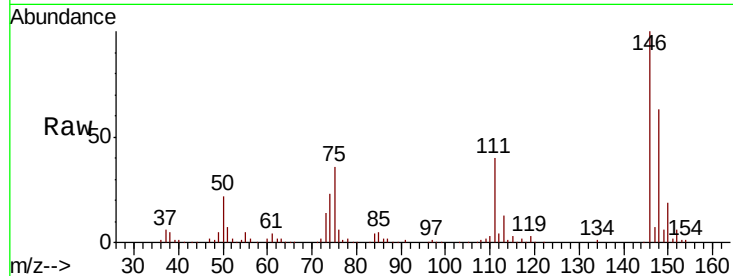
#88
 1,4-Dichlorobenzene
 Concen: 47.682 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.5
148	63.1	31.6	95.0

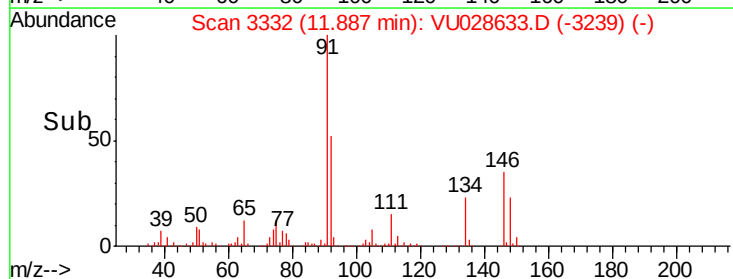
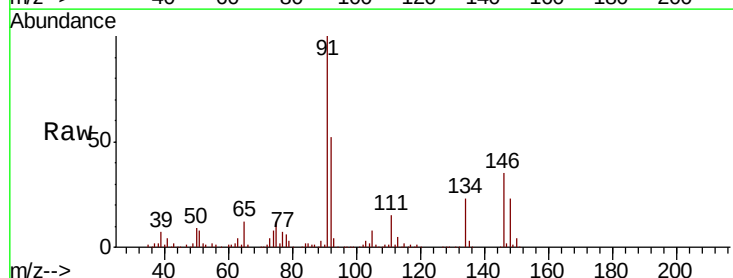
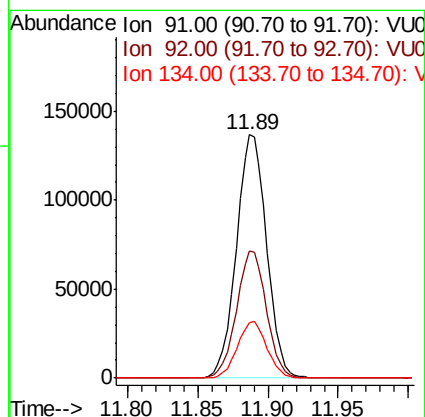
Manual Integrations
 APPROVED

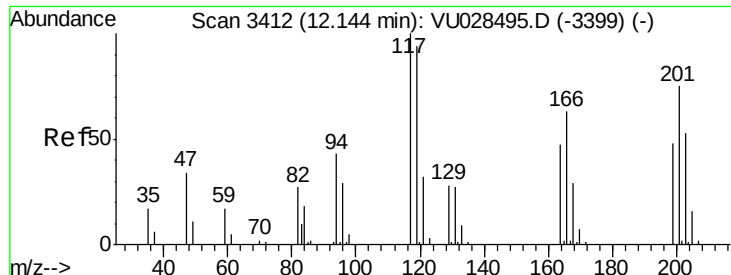
MMDadoda
 12/12/2018 11:49:06 AM



#89
 n-Butylbenzene
 Concen: 46.044 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.3	78.9
134	22.6	11.3	33.8





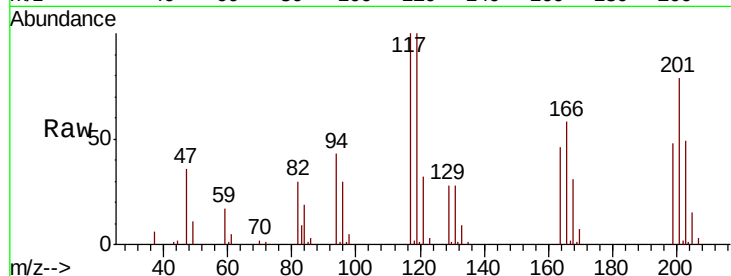
#90
Hexachloroethane
Concen: 49.840 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MSD

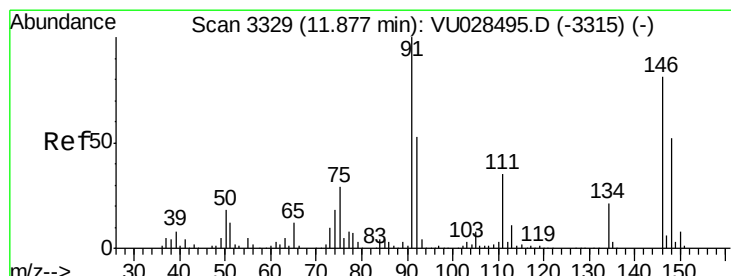
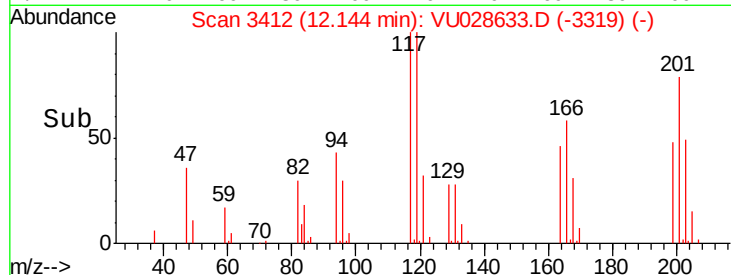
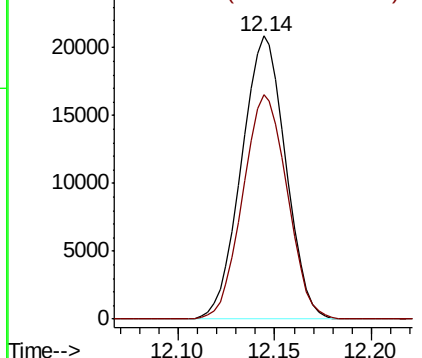
Tot Ion:117 Resp: 33194
Ion Ratio Lower Upper
117 100
201 79.8 38.1 114.5

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:06 AM

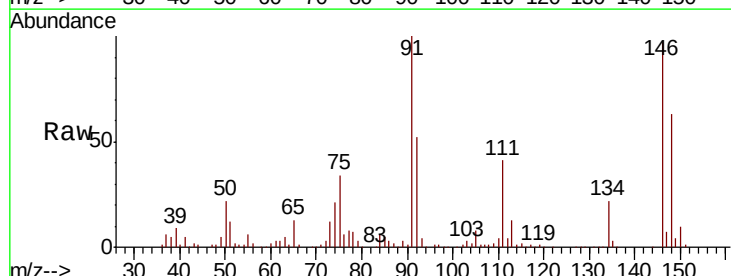


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

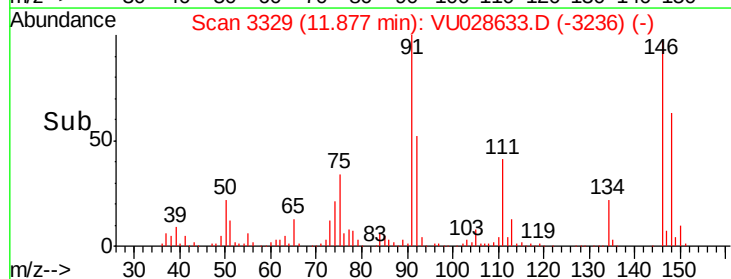
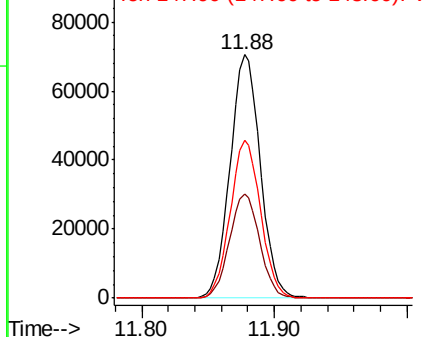


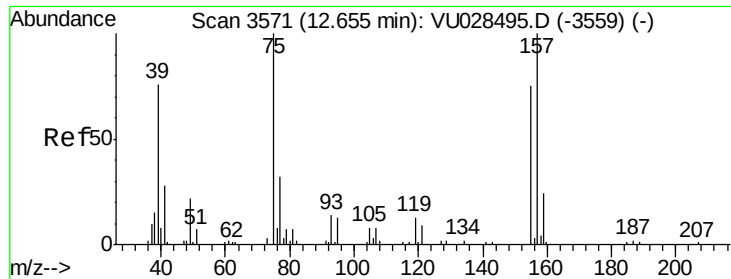
#91
1,2-Dichlorobenzene
Concen: 50.011 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028633.D
Acq: 12 Dec 2018 01:41

Tgt Ion:146 Resp: 111801
Ion Ratio Lower Upper
146 100
111 42.7 21.1 63.4
148 64.8 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





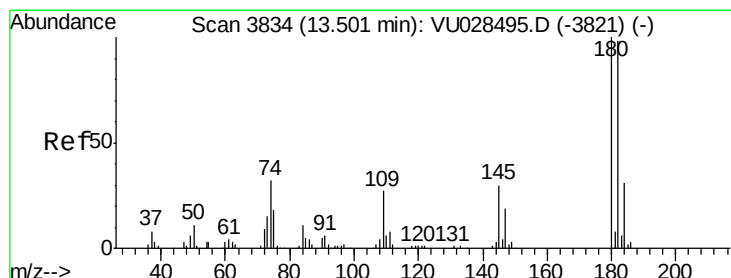
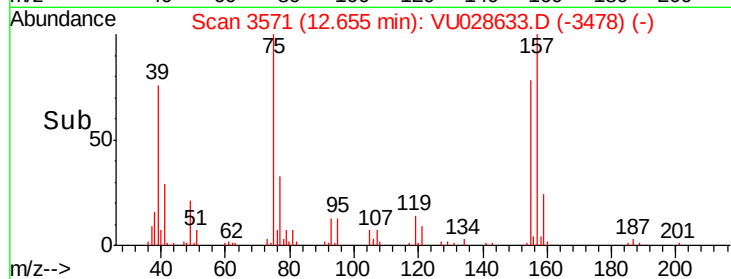
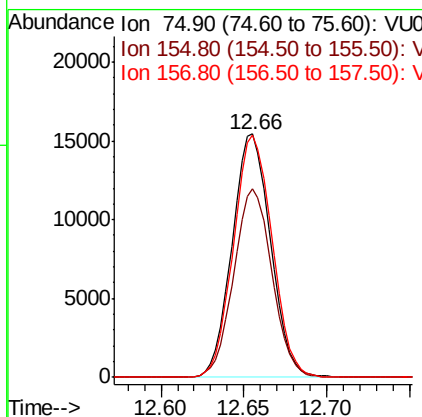
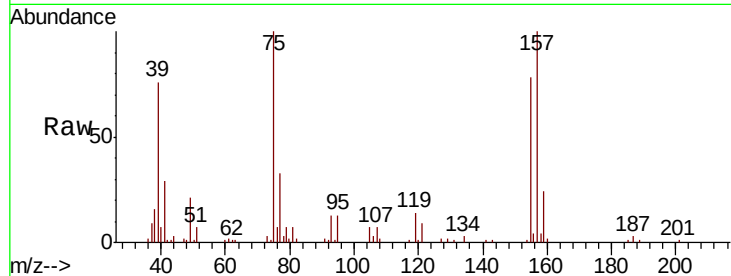
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.105 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion: 75 Resp: 24876
 Ion Ratio Lower Upper
 75 100
 155 77.2 38.1 114.5
 157 100.0 48.7 146.1

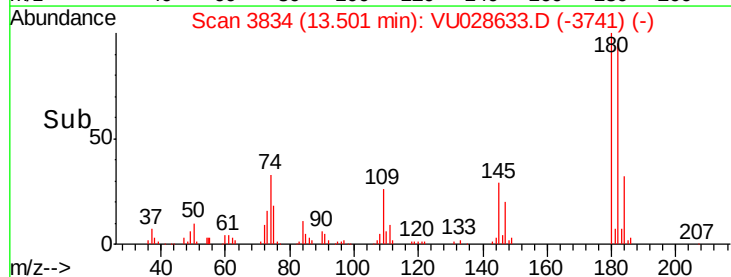
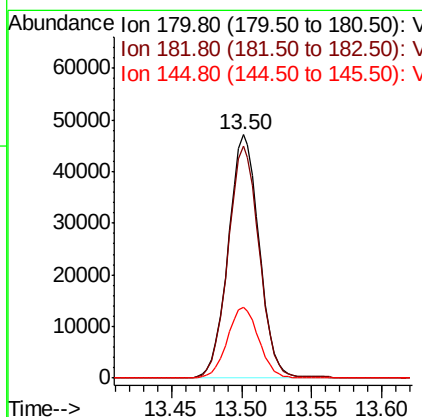
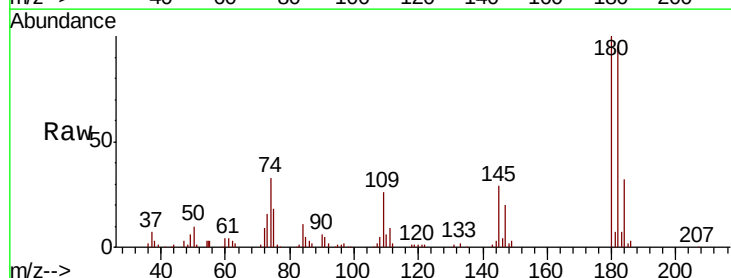
Manual Integrations
 APPROVED

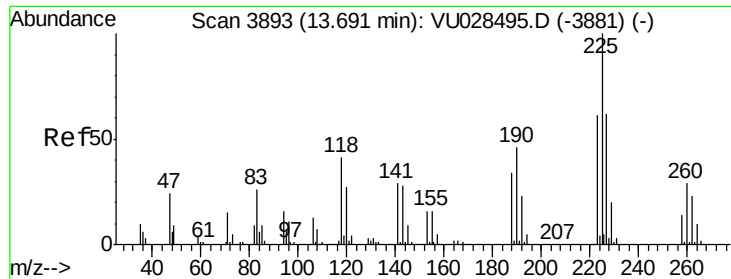
MMDadoda
 12/12/2018 11:49:06 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 47.152 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Tgt Ion: 180 Resp: 72359
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.9 143.8
 145 29.6 15.0 45.1





#94

Hexachlorobutadiene

Concen: 39.134 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Instrument :

MSVOA_U

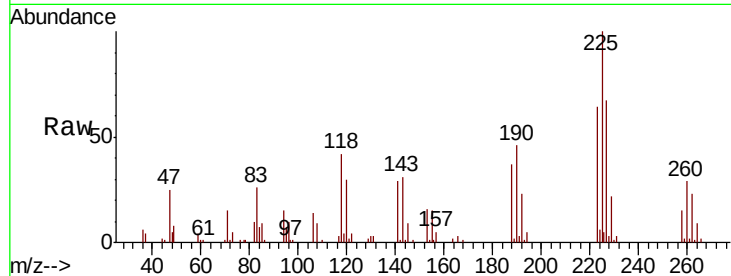
ClientSampleId :

P001-SW001-01MSD

Tot Ion:	225	Resp:	28657
Ion Ratio		Lower	Upper
225	100		
223	64.3	30.4	91.2
227	65.4	30.7	92.1

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:06 AM

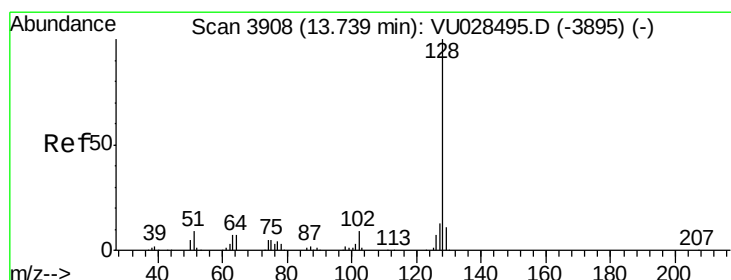
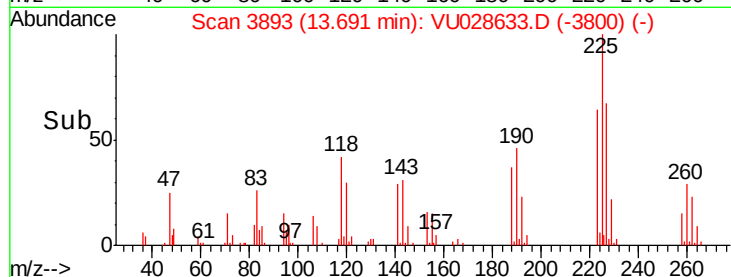
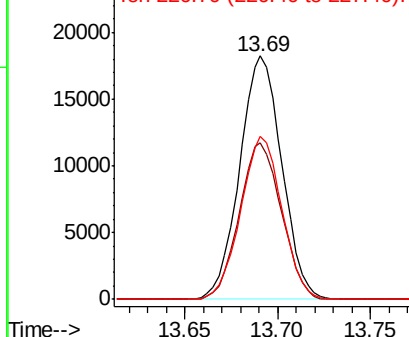


Abundance

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: 51.166 ug/l

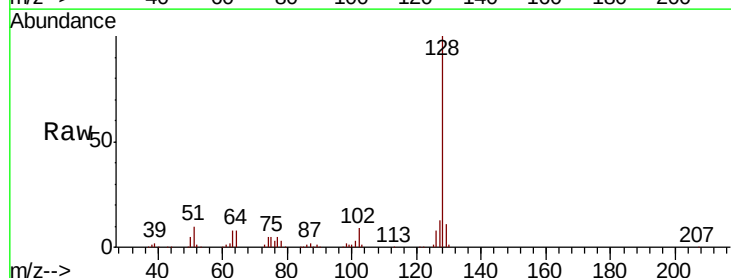
RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028633.D

Acq: 12 Dec 2018 01:41

Tgt Ion:	128	Resp:	274473
Ion Ratio		Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	13.0

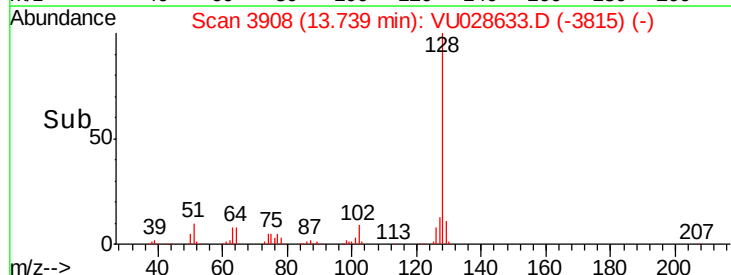
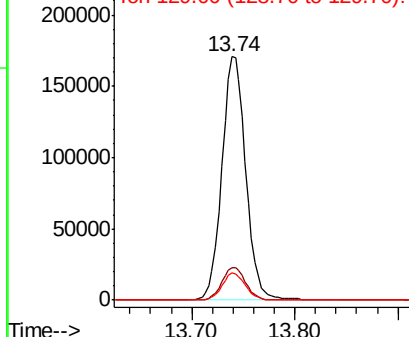


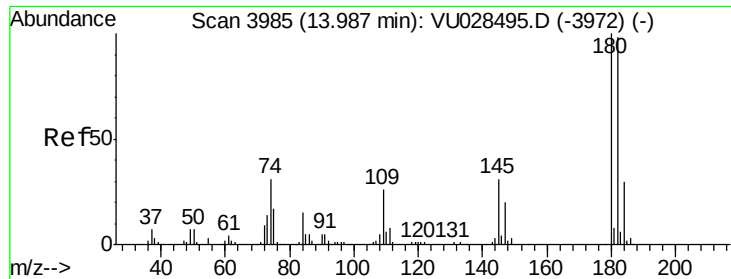
Abundance

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: 49.348 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU028633.D
 Acq: 12 Dec 2018 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.2	144.6
145	31.5	15.8	47.3

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:49:06 AM

