

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120518\
 Data File : VU028480.D
 Acq On : 05 Dec 2018 15:11
 Operator : MD/SY
 Sample : VU1205WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/6/2018 4:53:20 PM

Quant Time: Dec 06 03:20:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	316981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	556494	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	519183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	257267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	277956	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
35) Dibromofluoromethane	4.88	113	210663	56.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.86%	
50) Toluene-d8	7.56	98	844664	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
62) 4-Bromofluorobenzene	10.30	95	317006	59.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	89247	20.988	ug/l	99
3) Chloromethane	1.33	50	154942	18.799	ug/l	99
4) Vinyl Chloride	1.40	62	123414	21.401	ug/l	99
5) Bromomethane	1.63	94	51114	22.917	ug/l	98
6) Chloroethane	1.70	64	74180	22.355	ug/l	97
7) Trichlorofluoromethane	1.89	101	135093	22.553	ug/l	97
8) Diethyl Ether	2.10	74	63643	22.856	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	82430	23.623	ug/l	95
10) Methyl Iodide	2.41	142	52690	16.012	ug/l	95
11) Tert butyl alcohol	2.82	59	121153	100.667	ug/l	99
12) 1,1-Dichloroethene	2.29	96	80845	23.874	ug/l	90
13) Acrolein	2.20	56	96527	90.217	ug/l	98
14) Allyl chloride	2.59	41	169244	19.129	ug/l	97
15) Acrylonitrile	2.94	53	341103	107.147	ug/l	99
16) Acetone	2.32	43	292247	90.182	ug/l	98
17) Carbon Disulfide	2.48	76	258351	19.876	ug/l	97
18) Methyl Acetate	2.62	43	188314	20.871	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	306676	22.090	ug/l	97
20) Methylene Chloride	2.70	84	104604	22.845	ug/l	87
21) trans-1,2-Dichloroethene	2.98	96	88280	22.479	ug/l	91
22) Diisopropyl ether	3.57	45	354038	20.325	ug/l	96
23) Vinyl Acetate	3.52	43	1256130	86.757	ug/l	97
24) 1,1-Dichloroethane	3.45	63	186453	21.711	ug/l	100
25) 2-Butanone	4.26	43	459391	98.914	ug/l	96
26) 2,2-Dichloropropane	4.23	77	138374	20.288	ug/l	95
27) cis-1,2-Dichloroethene	4.23	96	102876	22.150	ug/l	92
28) Bromochloromethane	4.55	49	90115	20.985	ug/l	89
29) Tetrahydrofuran	4.64	42	317206	105.195	ug/l	94
30) Chloroform	4.67	83	170071	21.455	ug/l	100
31) Cyclohexane	5.00	56	179699	20.153	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	136109	21.398	ug/l	98
36) 1,1-Dichloropropene	5.14	75	131960	21.670	ug/l	99
37) Ethyl Acetate	4.38	43	171577	20.675	ug/l	98
38) Carbon Tetrachloride	5.13	117	107185	21.434	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120518\
 Data File : VU028480.D
 Acq On : 05 Dec 2018 15:11
 Operator : MD/SY
 Sample : VU1205WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU1205WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/6/2018 4:53:20 PM

Quant Time: Dec 06 03:20:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	159743	22.249	ug/l	94
40) Benzene	5.39	78	399276	22.138	ug/l	99
41) Methacrylonitrile	4.54	41	94953	20.603	ug/l	93
42) 1,2-Dichloroethane	5.40	62	139333	21.444	ug/l	97
43) Isopropyl Acetate	5.55	43	271656	20.657	ug/l	97
44) Trichloroethene	6.19	130	95511	24.705	ug/l	94
45) 1,2-Dichloropropane	6.43	63	111806	21.168	ug/l	99
46) Dibromomethane	6.56	93	67286	22.179	ug/l	95
47) Bromodichloromethane	6.76	83	127237	21.085	ug/l	100
48) Methyl methacrylate	6.62	41	134620	19.652	ug/l	96
49) 1,4-Dioxane	6.61	88	42917	392.174	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	865496	103.046	ug/l	96
52) Toluene	7.64	92	239712	23.080	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	151972	21.061	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	164923	21.335	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	97200	22.487	ug/l	98
56) Ethyl methacrylate	8.02	69	161868	22.012	ug/l	96
57) 1,3-Dichloropropane	8.24	76	170832	21.551	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	405121	102.614	ug/l	97
59) 2-Hexanone	8.36	43	663415	101.970	ug/l	96
60) Dibromochloromethane	8.48	129	91512	22.260	ug/l	98
61) 1,2-Dibromoethane	8.58	107	102103	23.063	ug/l	97
64) Tetrachloroethene	8.22	164	91775	26.873	ug/l	97
65) Chlorobenzene	9.12	112	250522	23.239	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	82924	22.441	ug/l	99
67) Ethyl Benzene	9.25	91	456390	22.478	ug/l	98
68) m/p-Xylenes	9.37	106	332879	45.549	ug/l	98
69) o-Xylene	9.78	106	160833	22.138	ug/l	99
70) Styrene	9.79	104	266975	22.786	ug/l	99
71) Bromoform	9.96	173	68556	22.072	ug/l #	97
73) Isopropylbenzene	10.16	105	433397	21.660	ug/l	100
74) N-amyl acetate	10.01	43	234671	18.719	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	155663	18.918	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	148653m	20.837	ug/l	
77) Bromobenzene	10.45	156	103904	22.038	ug/l	92
78) n-propylbenzene	10.58	91	530658	21.498	ug/l	98
79) 2-Chlorotoluene	10.66	91	307681	21.145	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	361601	21.445	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	52820m	19.653	ug/l	
82) 4-Chlorotoluene	10.77	91	354207	21.128	ug/l	98
83) tert-Butylbenzene	11.10	119	330764	21.043	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	369787	21.652	ug/l	99
85) sec-Butylbenzene	11.32	105	448102	21.949	ug/l	100
86) p-Isopropyltoluene	11.47	119	371736	22.145	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	185765	21.603	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	189609	21.909	ug/l	99
89) n-Butylbenzene	11.89	91	365330	22.051	ug/l	99
90) Hexachloroethane	12.14	117	53546	20.431	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	184522	21.507	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	36163	19.759	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120518\
Data File : VU028480.D
Acq On : 05 Dec 2018 15:11
Operator : MD/SY
Sample : VU1205WBSD01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:20 PM

Quant Time: Dec 06 03:20:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	130920	23.313	ug/l	100
94) Hexachlorobutadiene	13.69	225	59367	22.388	ug/l	98
95) Naphthalene	13.74	128	458846	22.825	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	133049	23.425	ug/l	100

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

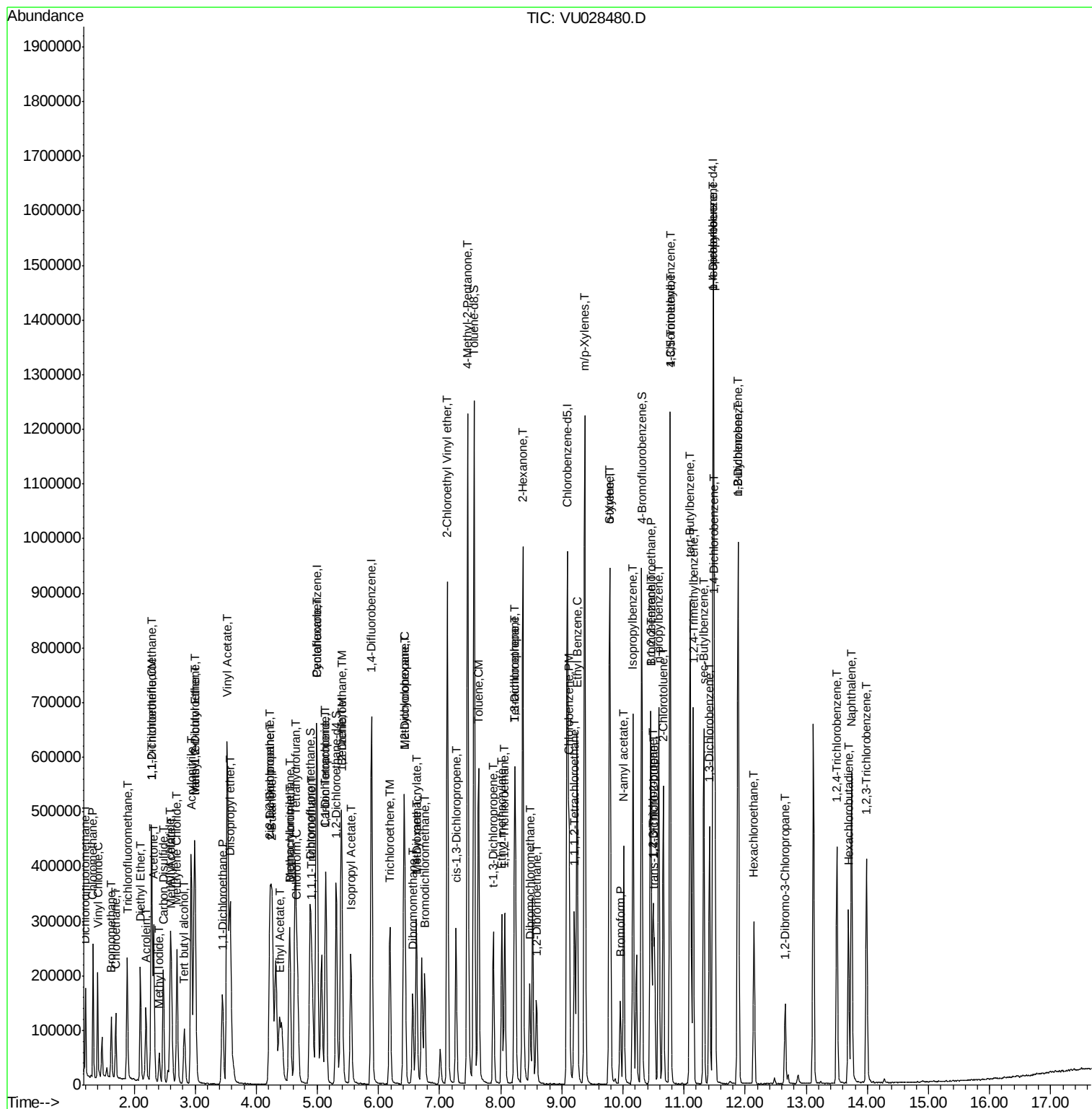
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU120518\
Data File : VU028480.D
Acq On : 05 Dec 2018 15:11
Operator : MD/SY
Sample : VU1205WBSD01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

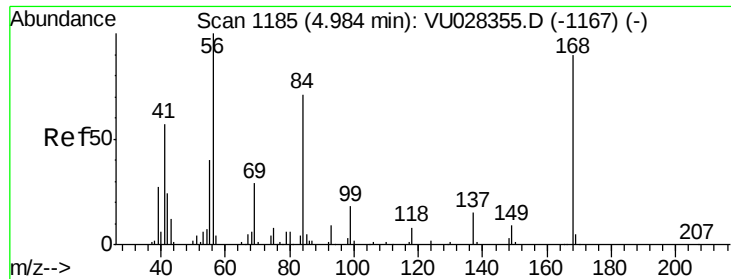
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:20 PM

Quant Time: Dec 06 03:20:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBSD01

Tgt Ion:168 Resp: 316981

Ion Ratio Lower Upper

168 100

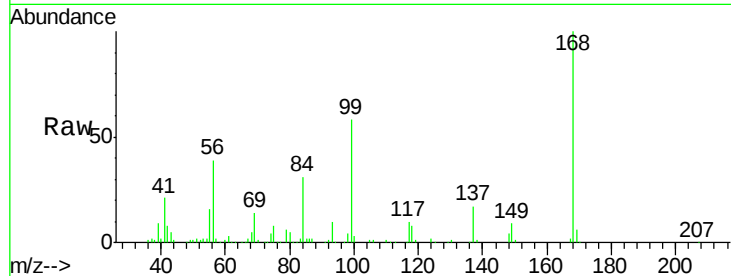
99 57.8 49.6 74.4

Manual Integrations

APPROVED

MMDadoda

12/6/2018 4:53:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.98

150000

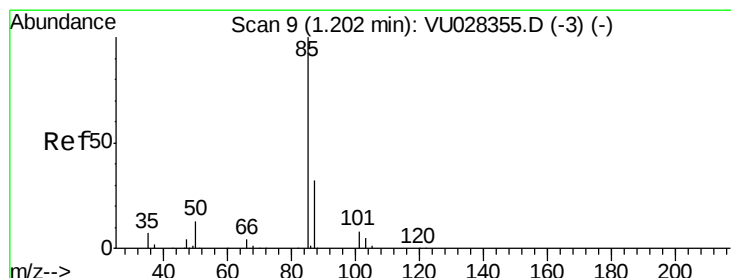
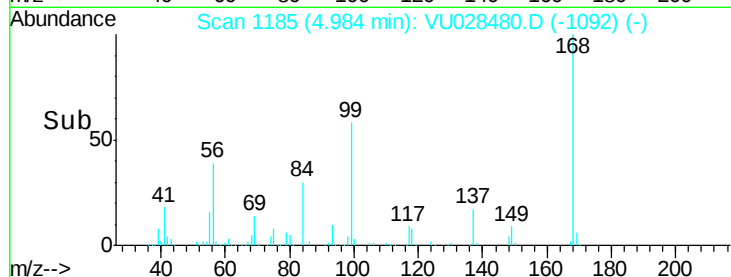
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.988 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028480.D

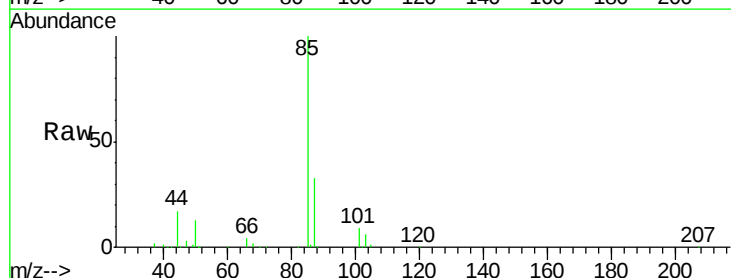
Acq: 05 Dec 2018 15:11

Tgt Ion: 85 Resp: 89247

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

1.21

100000

80000

60000

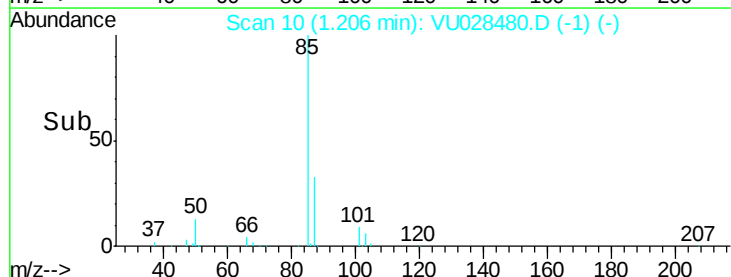
40000

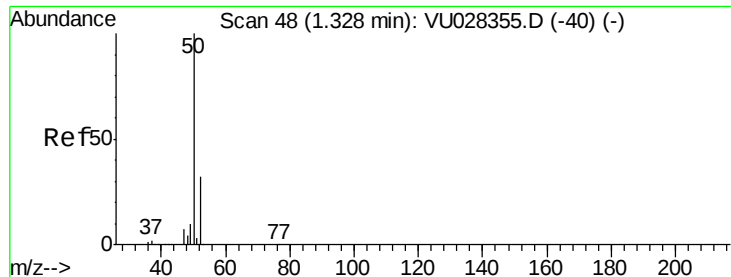
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.799 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBSD01

Tgt Ion: 50 Resp: 154942

Ion Ratio Lower Upper

50 100

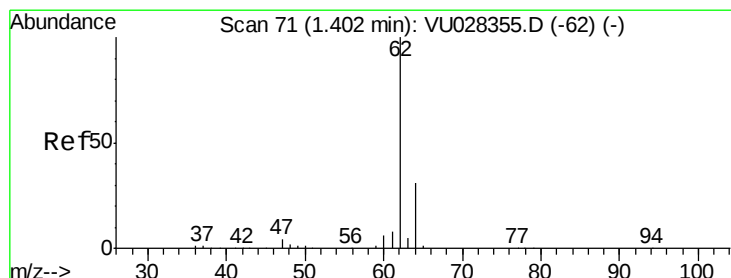
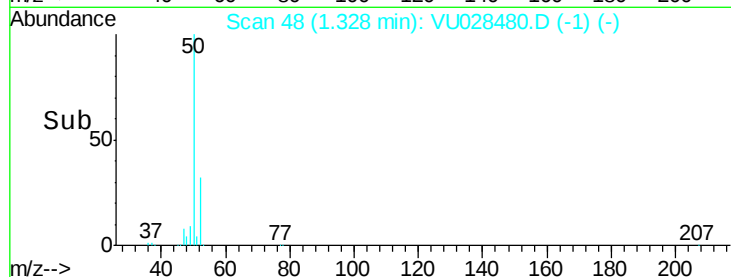
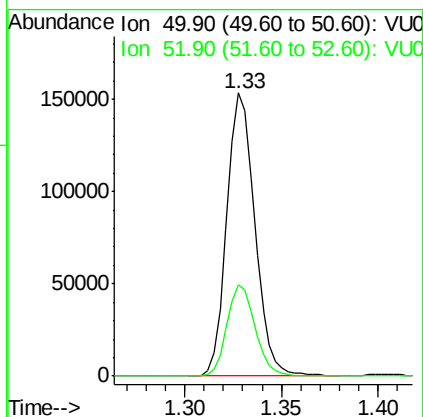
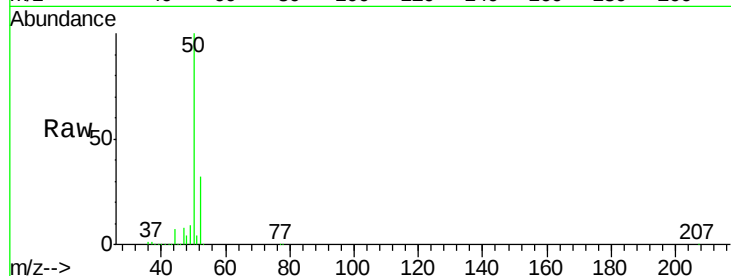
52 32.1 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

12/6/2018 4:53:20 PM



#4

Vinyl Chloride

Concen: 21.401 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028480.D

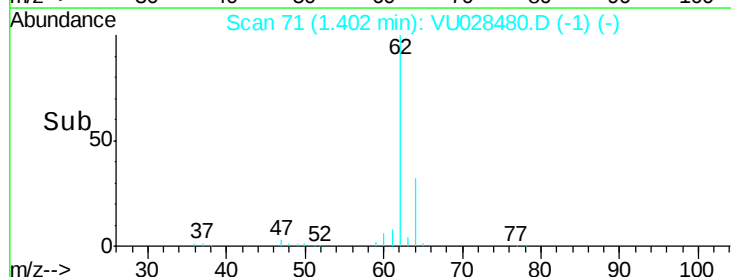
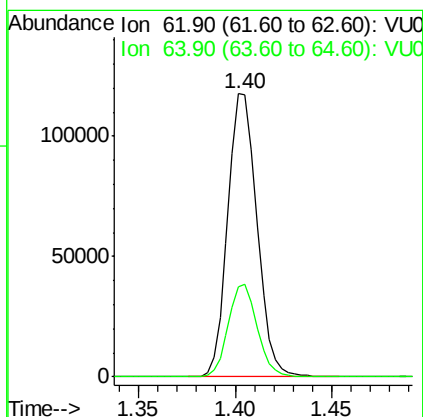
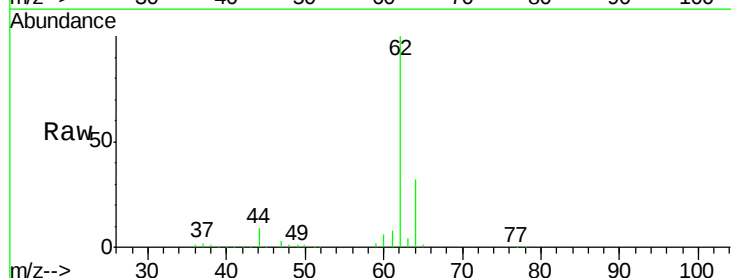
Acq: 05 Dec 2018 15:11

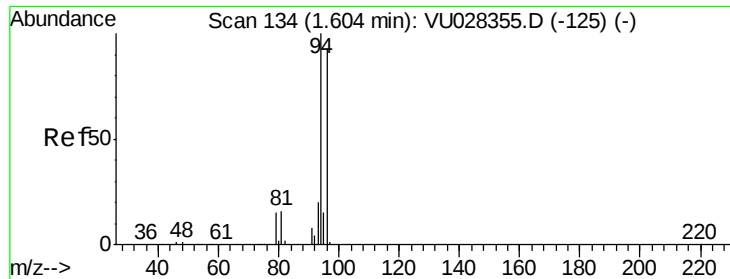
Tgt Ion: 62 Resp: 123414

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4





#5

Bromomethane

Concen: 22.917 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.02 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBSD01

Tgt Ion: 94 Resp: 51114

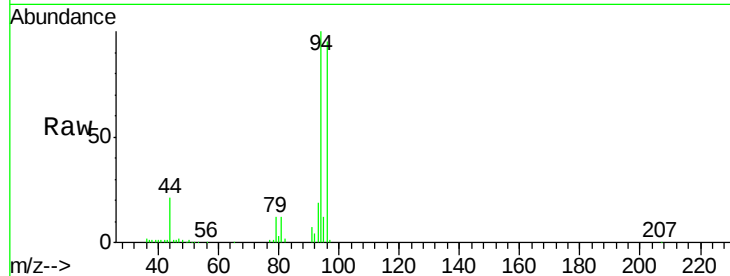
Ion Ratio Lower Upper

94 100

96 95.6 74.6 112.0

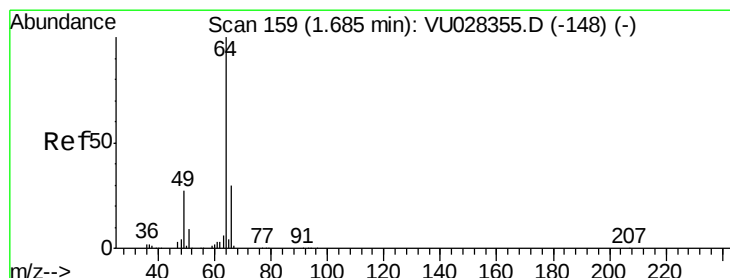
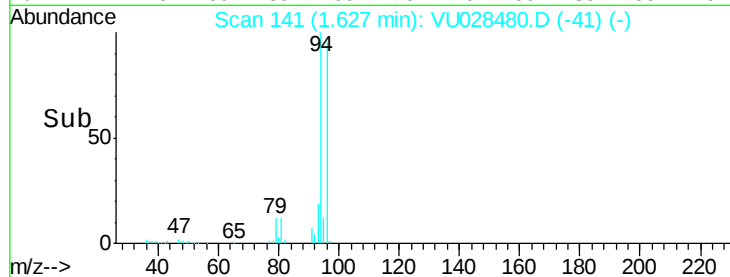
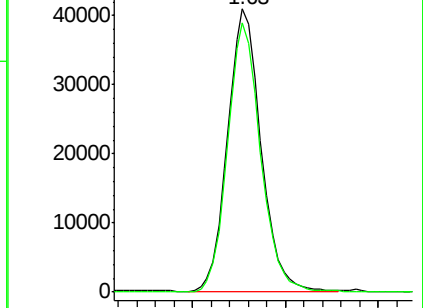
Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:20 PM



Abundance Ion 93.90 (93.60 to 94.60): VU028480.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VU028480.D (-141) (-)



#6

Chloroethane

Concen: 22.355 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU028480.D

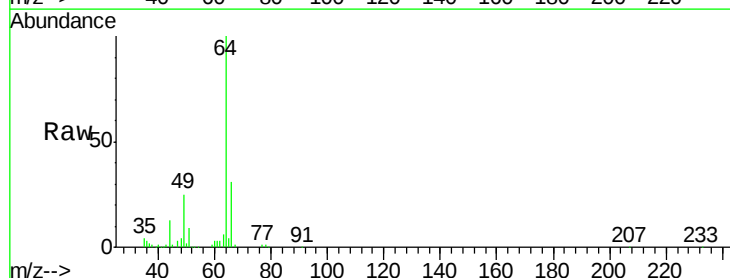
Acq: 05 Dec 2018 15:11

Tgt Ion: 64 Resp: 74180

Ion Ratio Lower Upper

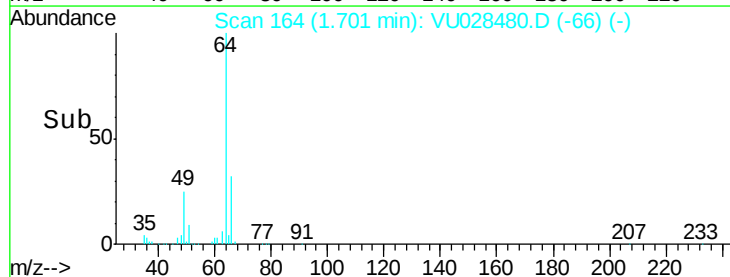
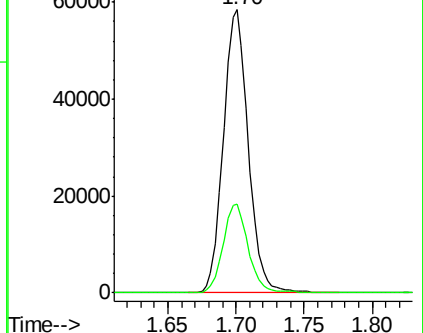
64 100

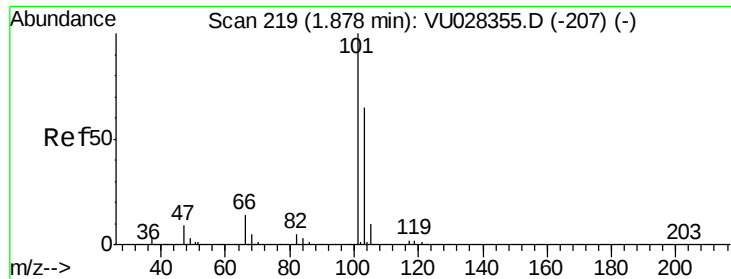
66 31.2 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU028480.D (-66) (-)

Ion 65.90 (65.60 to 66.60): VU028480.D (-66) (-)





#7

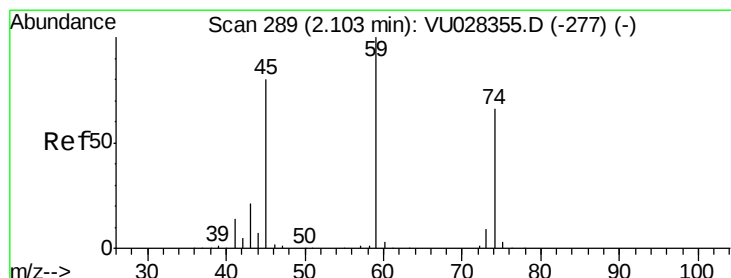
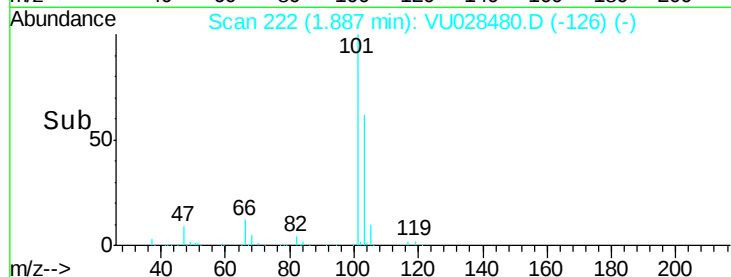
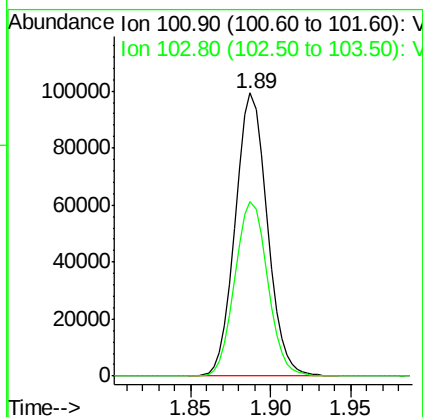
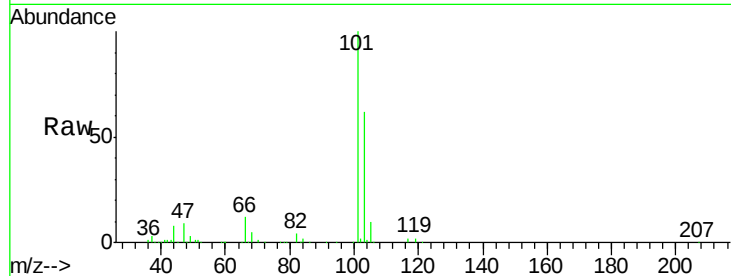
Trichlorofluoromethane
 Concen: 22.553 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	61.8	51.6	77.4

Manual Integrations
 APPROVED

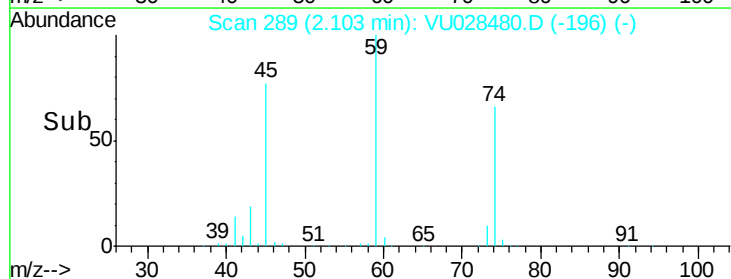
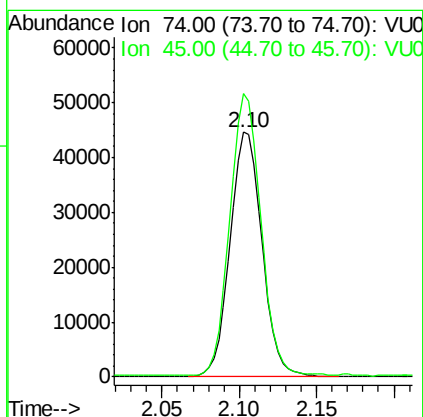
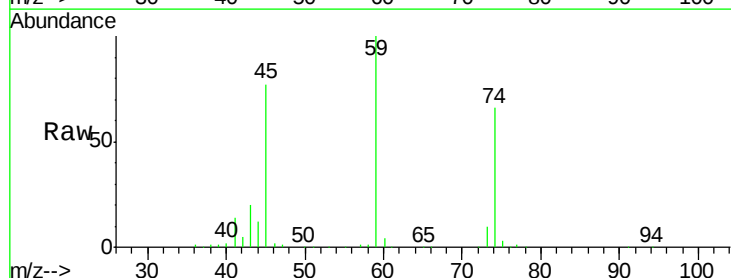
MMDadoda
 12/6/2018 4:53:20 PM

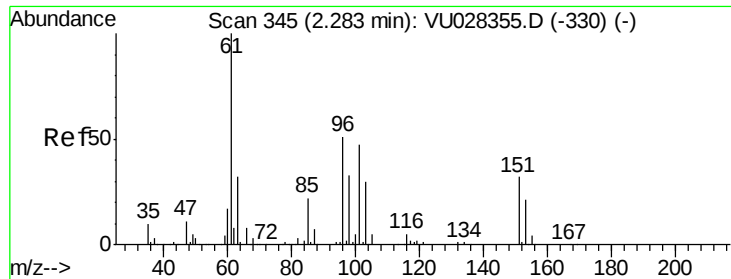


#8

Diethyl Ether
 Concen: 22.856 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.5	63.0	189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.623 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

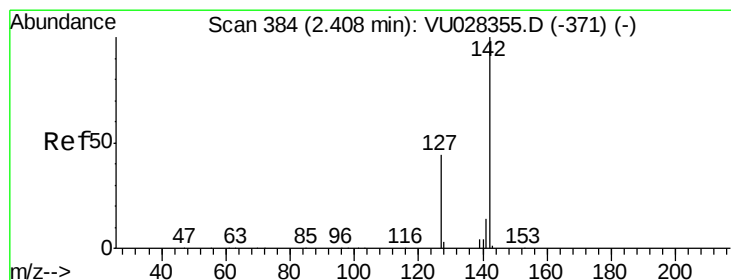
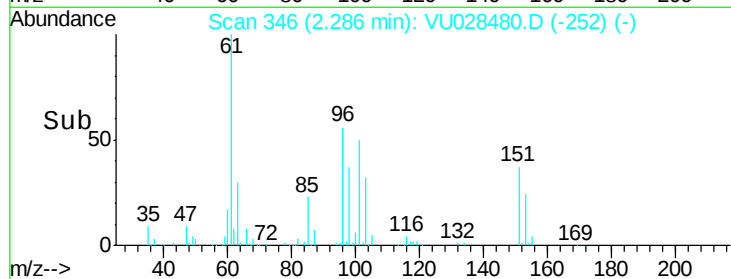
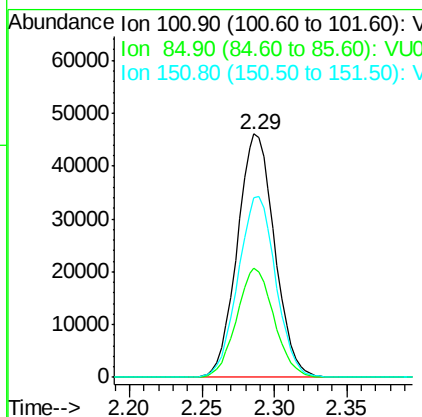
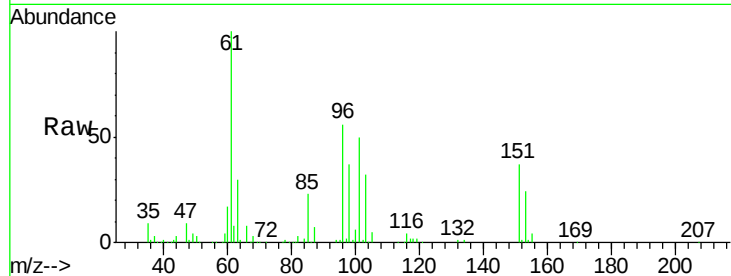
ClientSampleId :

VU1205WBSD01

Tgt Ion:	101	Resp:	82430
Ion Ratio	Lower	Upper	
101	100		
85	44.8	37.2	55.8
151	75.2	55.4	83.0

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:20 PM



#10

Methyl Iodide

Concen: 16.012 ug/l

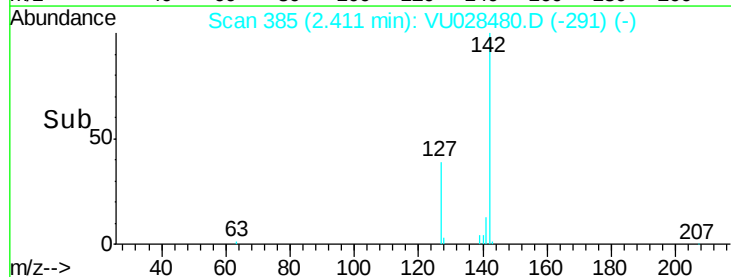
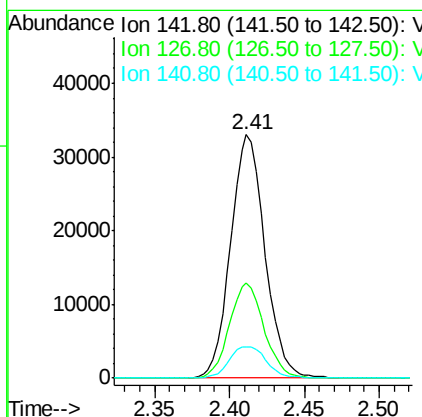
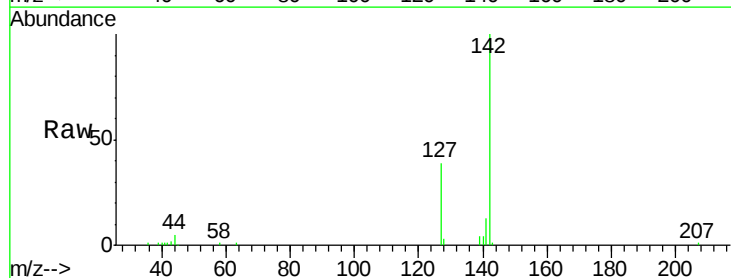
RT: 2.41 min Scan# 385

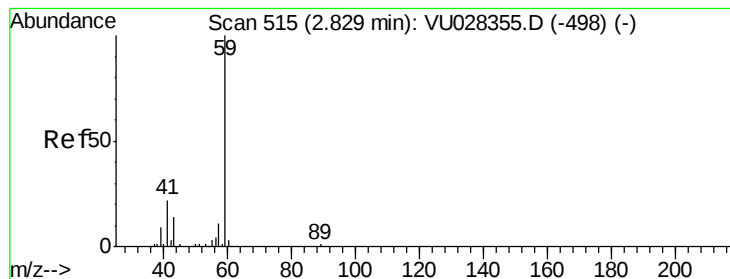
Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Tgt Ion:	142	Resp:	52690
Ion Ratio	Lower	Upper	
142	100		
127	39.3	35.0	52.6
141	13.9	11.2	16.8





#11

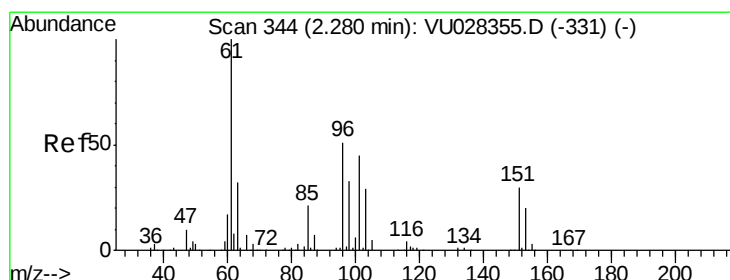
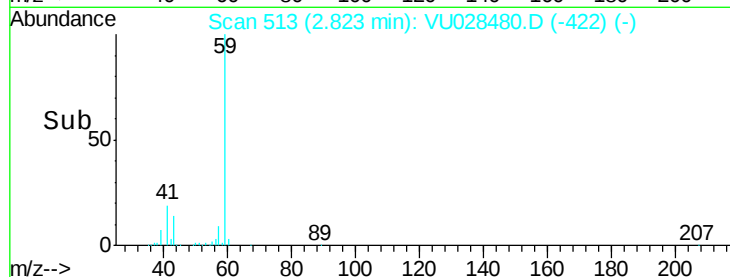
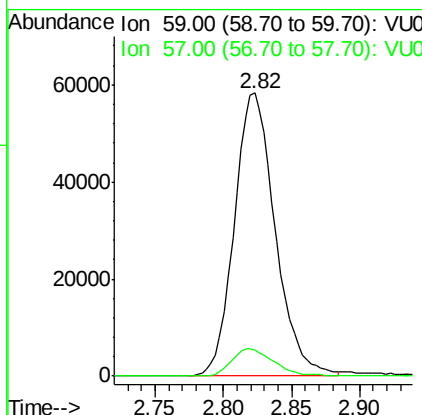
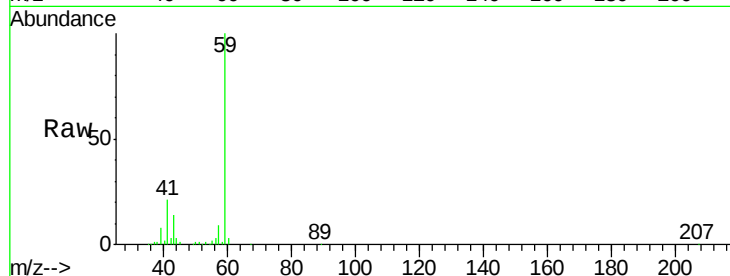
Tert butyl alcohol
 Concen: 100.667 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

Manual Integrations
 APPROVED

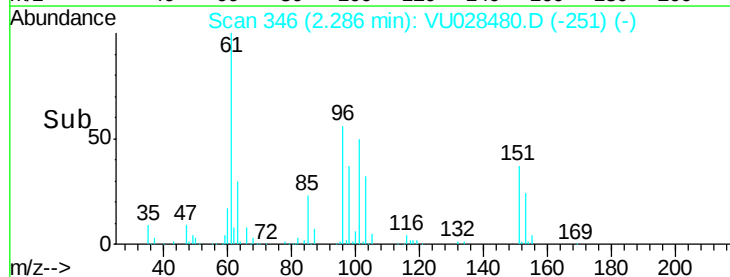
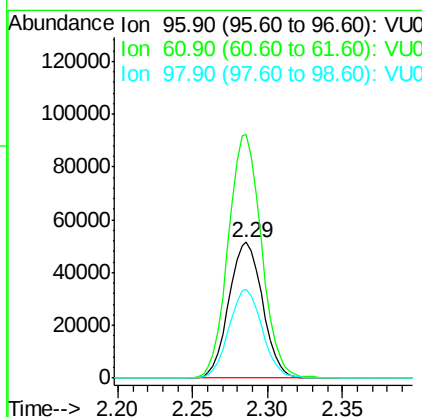
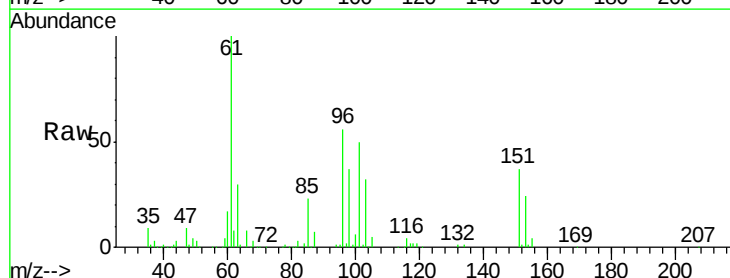
MMDadoda
 12/6/2018 4:53:20 PM

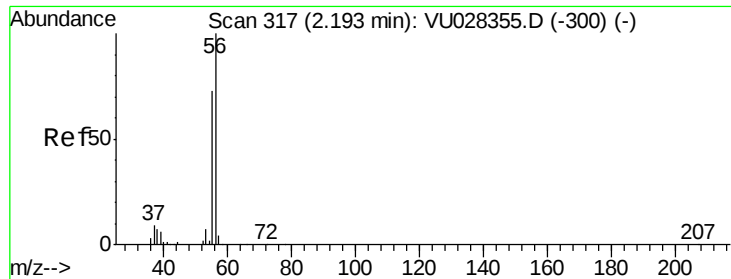


#12

1,1-Dichloroethene
 Concen: 23.874 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.6	158.1	237.1
98	65.9	51.4	77.2





#13

Acrolein

Concen: 90.217 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBSD01

Tgt Ion: 56 Resp: 96527

Ion Ratio Lower Upper

56 100

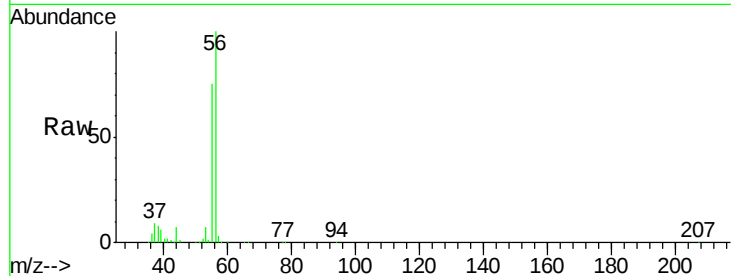
55 72.5 56.6 85.0

Manual Integrations

APPROVED

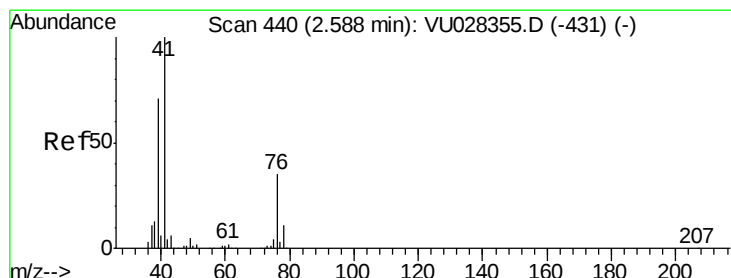
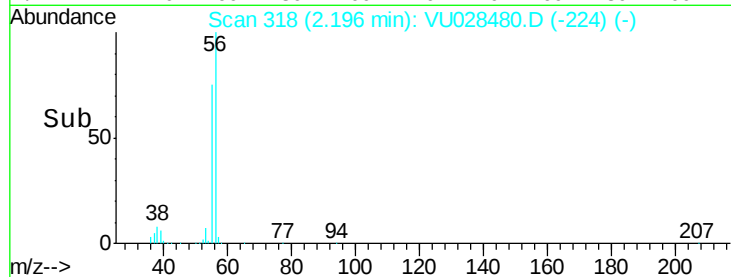
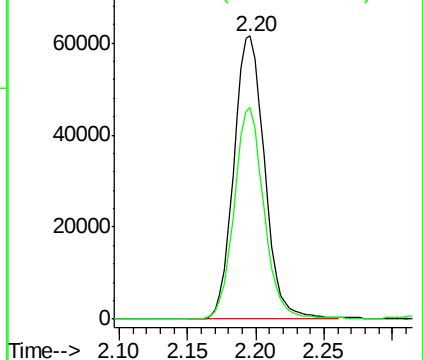
MMDadoda

12/6/2018 4:53:20 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.129 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

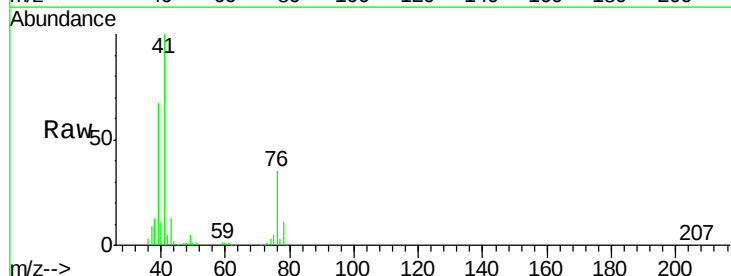
Tgt Ion: 41 Resp: 169244

Ion Ratio Lower Upper

41 100

39 65.7 51.6 77.4

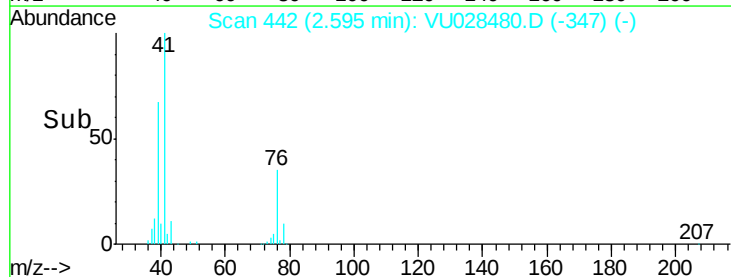
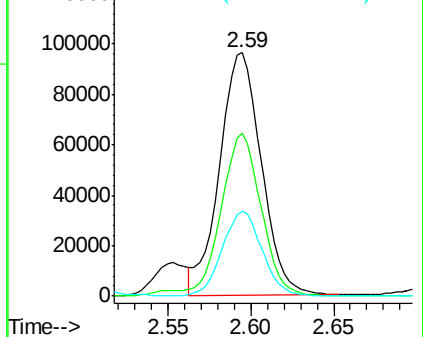
76 33.6 24.4 36.6

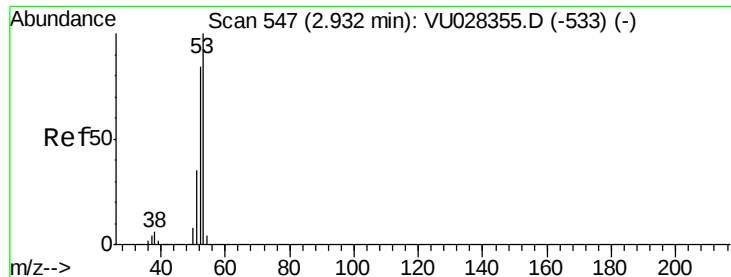


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 107.147 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

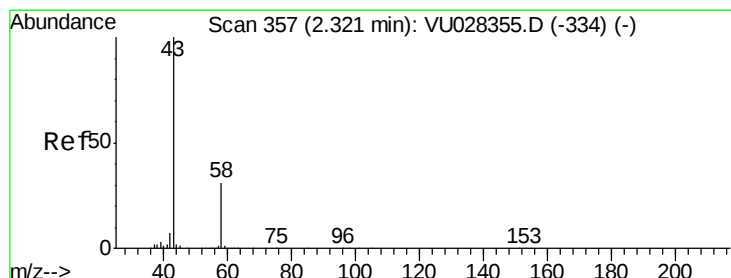
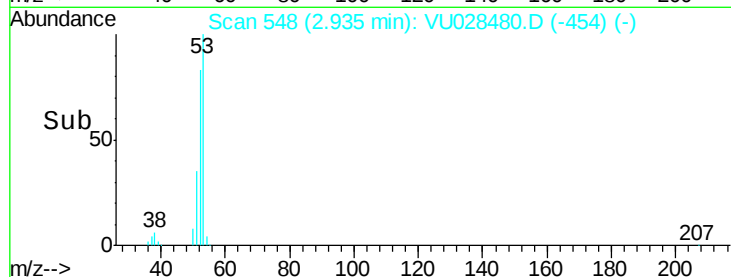
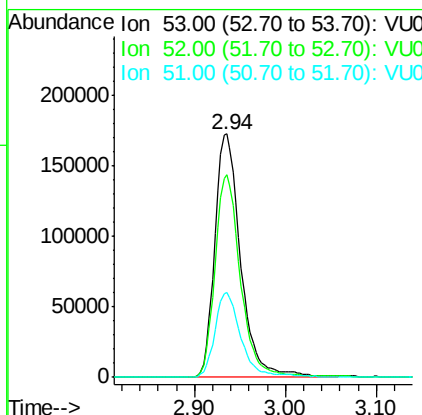
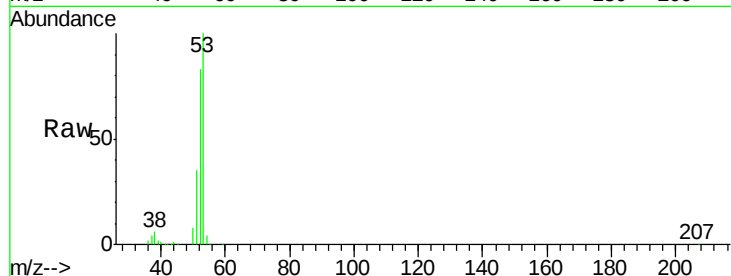
ClientSampleId :

VU1205WBSD01

Tgt Ion:	53	Resp:	341103
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.7	98.5
51	35.3	27.8	41.6

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:20 PM



#16

Acetone

Concen: 90.182 ug/l

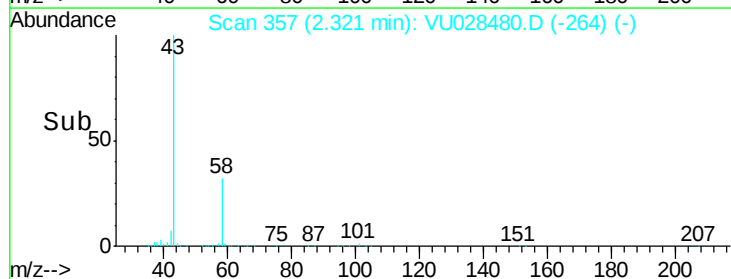
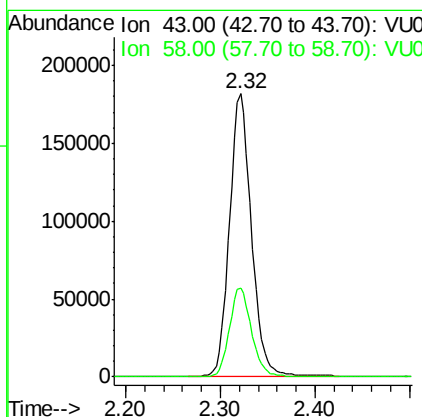
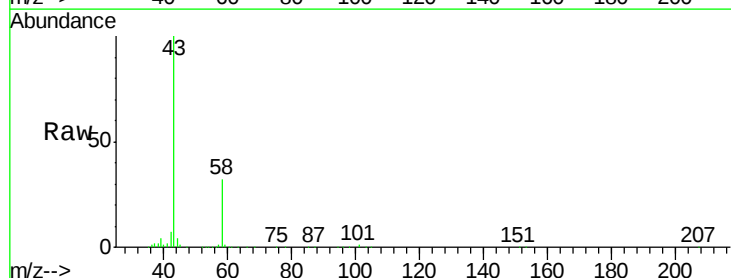
RT: 2.32 min Scan# 357

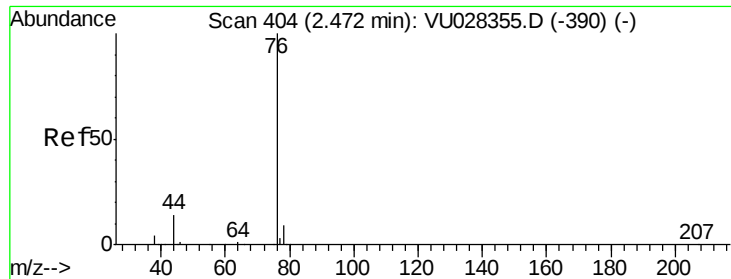
Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Tgt Ion:	43	Resp:	292247
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.4	36.6





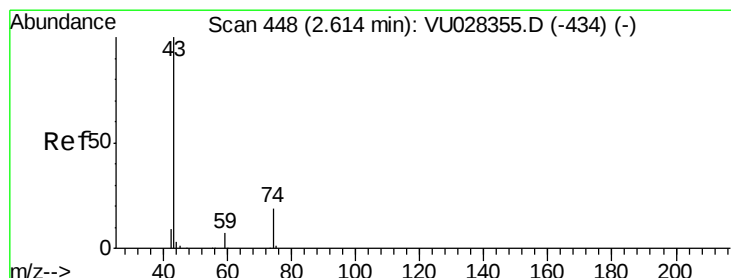
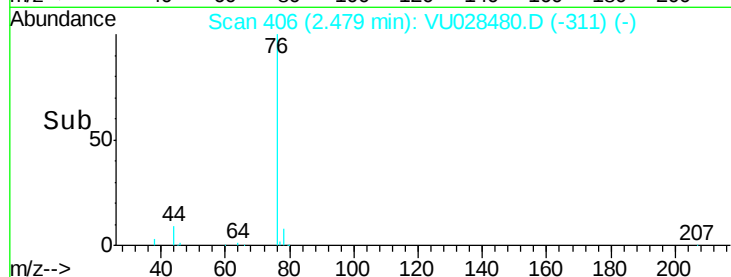
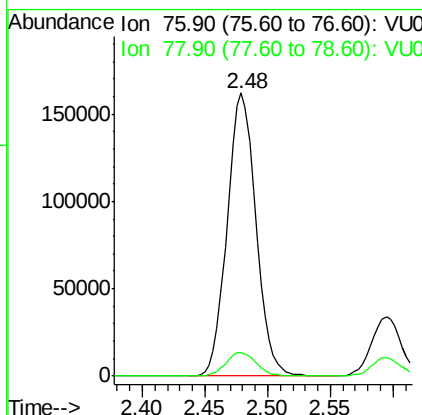
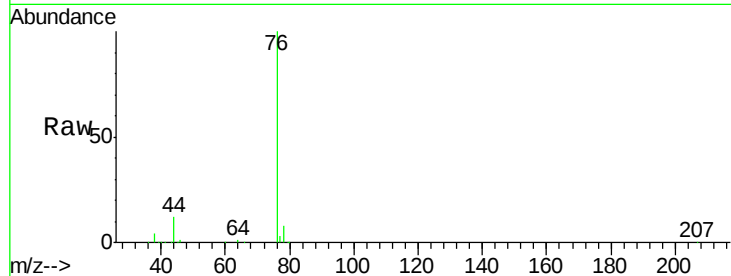
#17
Carbon Disulfide
Concen: 19.876 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.4	11.2

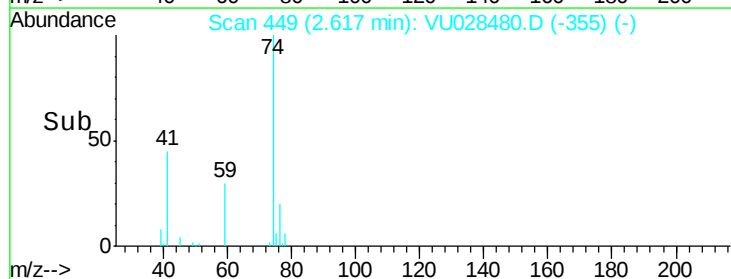
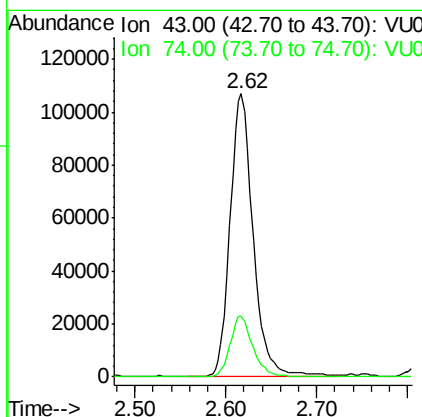
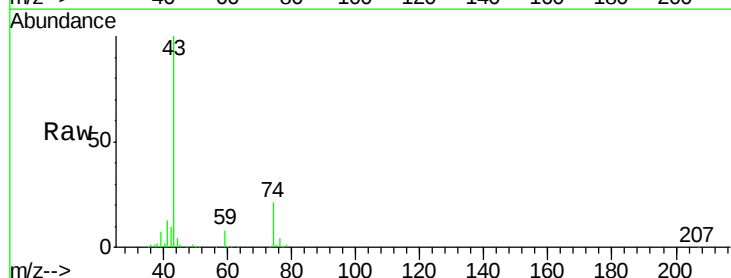
Manual Integrations
APPROVED

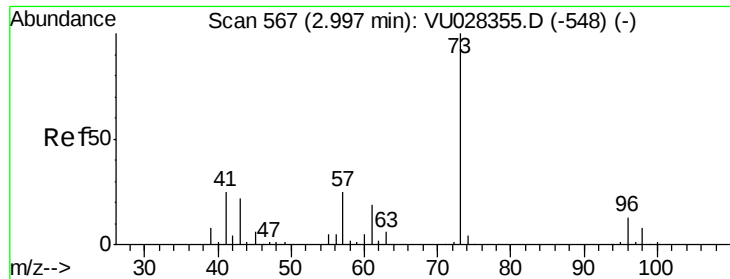
MMDadoda
12/6/2018 4:53:20 PM



#18
Methyl Acetate
Concen: 20.871 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	15.3	22.9





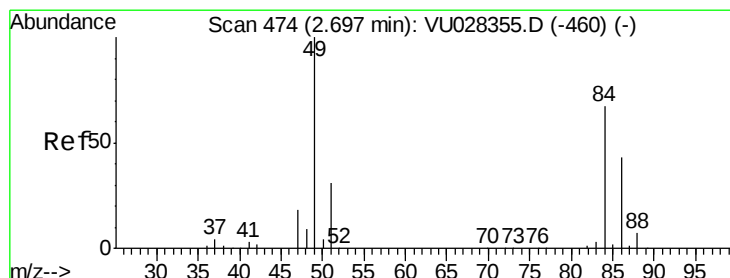
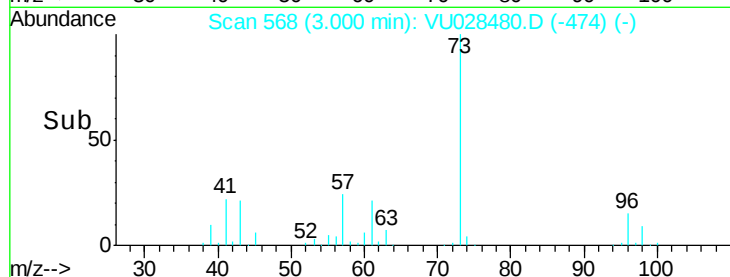
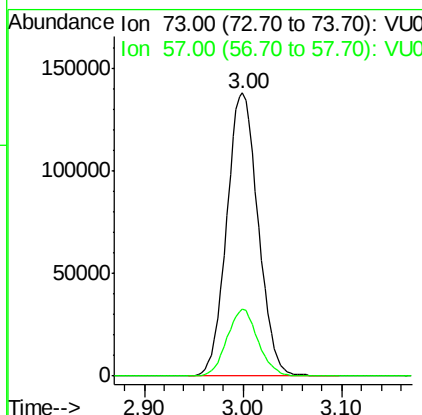
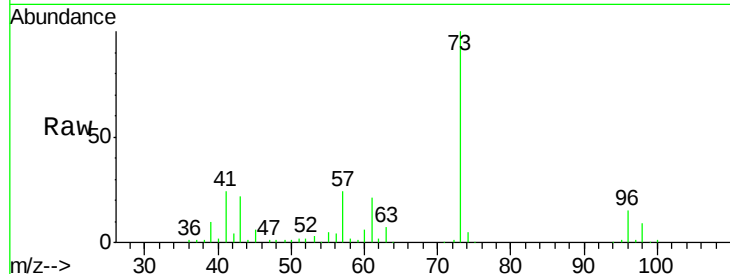
#19
Methyl tert-butyl Ether
Concen: 22.090 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion: 73 Resp: 306676
Ion Ratio Lower Upper
73 100
57 23.8 20.1 30.1

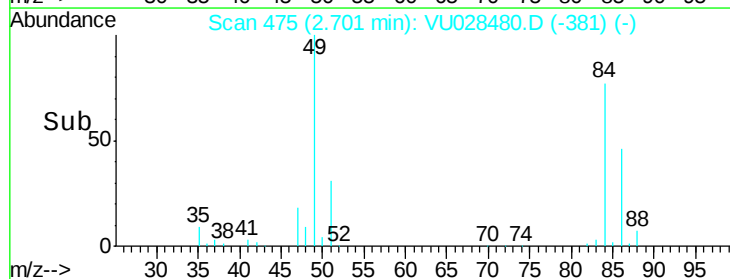
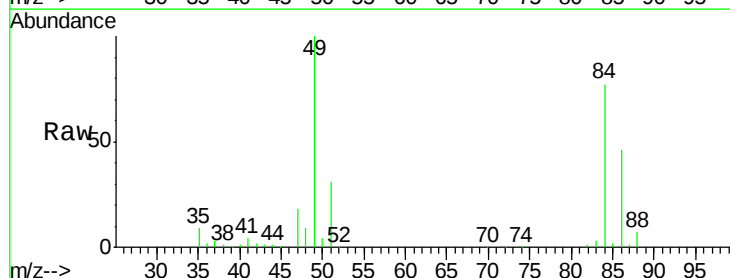
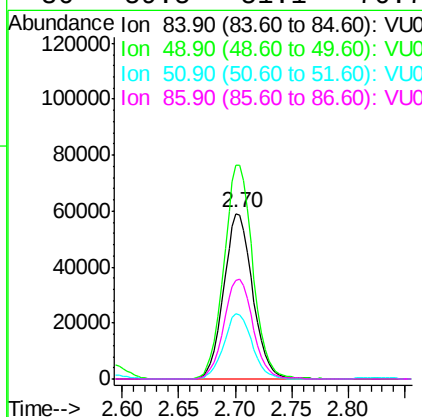
Manual Integrations
APPROVED

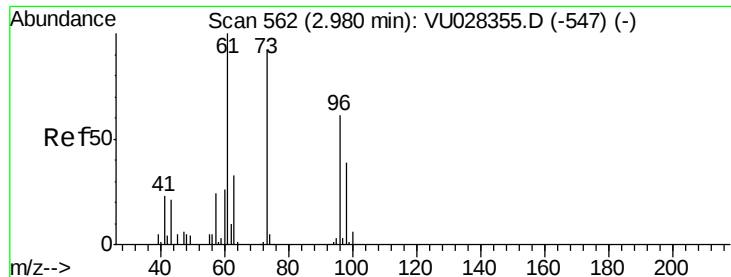
MMDadoda
12/6/2018 4:53:20 PM



#20
Methylene Chloride
Concen: 22.845 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion: 84 Resp: 104604
Ion Ratio Lower Upper
84 100
49 129.1 120.0 180.0
51 39.4 36.9 55.3
86 59.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 22.479 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

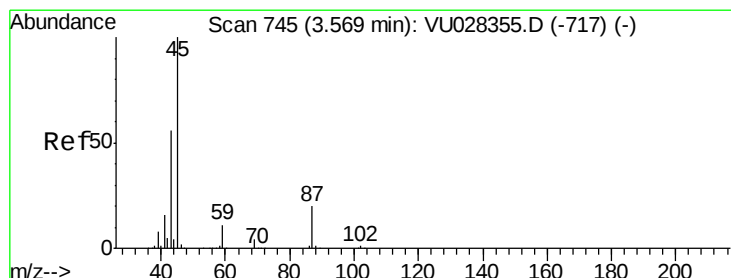
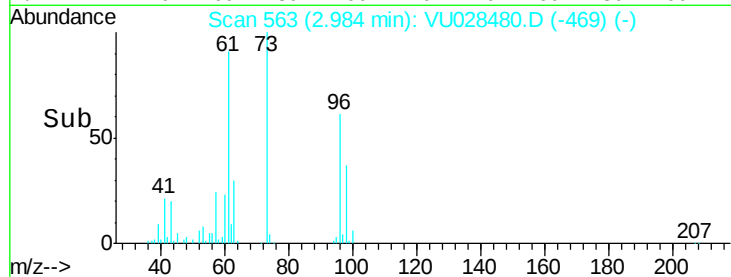
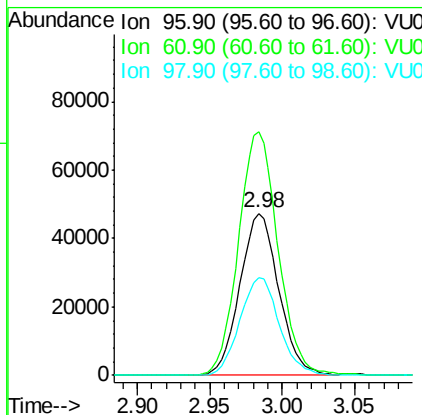
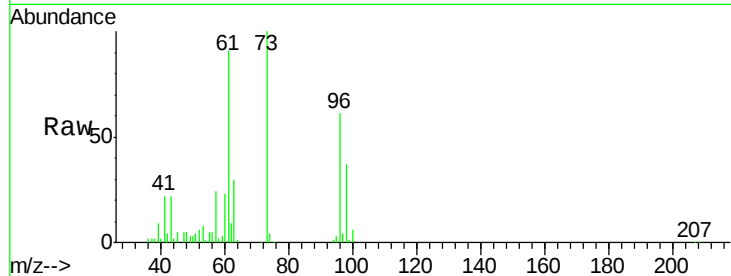
ClientSampleId :

VU1205WBSD01

Tgt Ion:	96	Resp:	88280
Ion	Ratio	Lower	Upper
96	100		
61	150.3	131.1	196.7
98	60.5	51.7	77.5

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:20 PM



#22

Diisopropyl ether

Concen: 20.325 ug/l

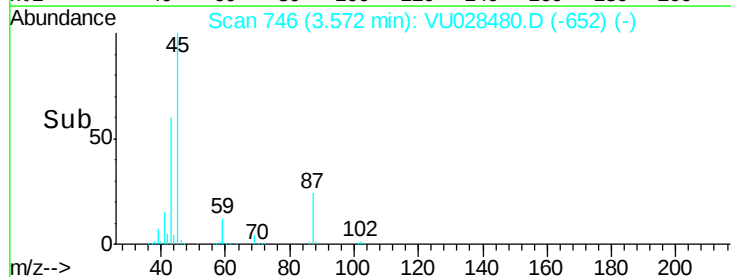
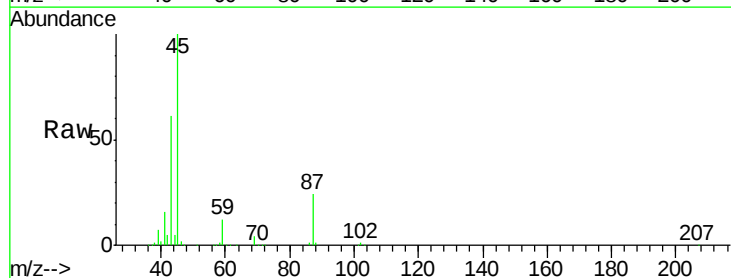
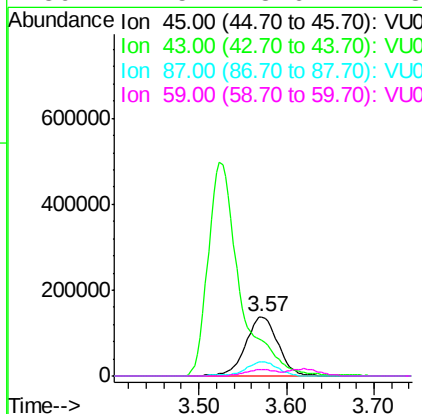
RT: 3.57 min Scan# 746

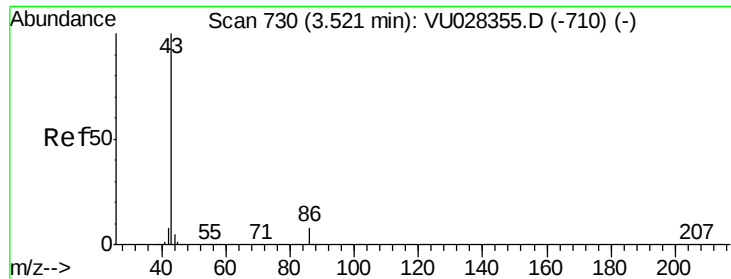
Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Tgt Ion:	45	Resp:	354038
Ion	Ratio	Lower	Upper
45	100		
43	58.7	44.8	67.2
87	23.9	16.3	24.5
59	11.5	8.6	12.8





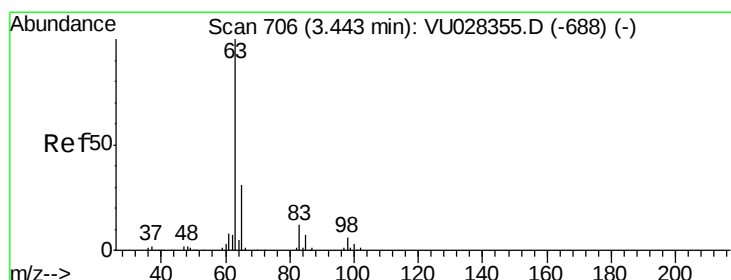
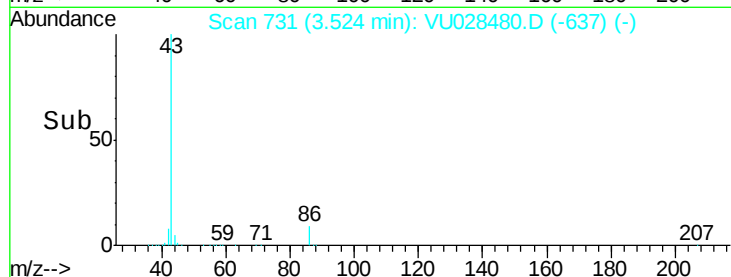
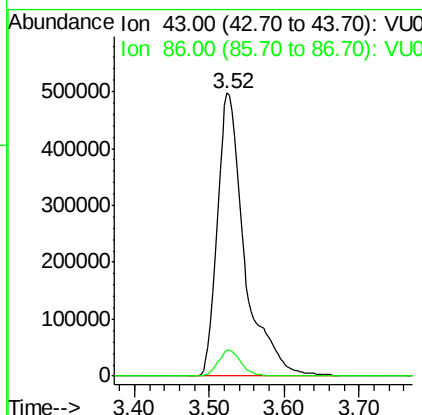
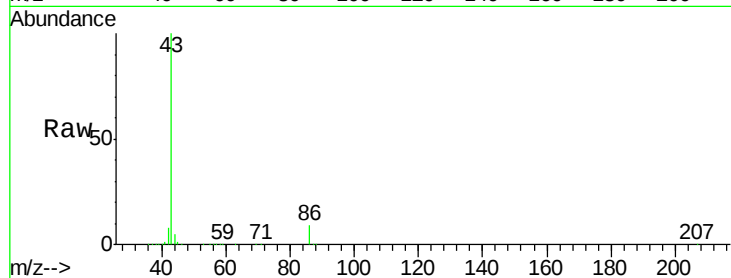
#23
 Vinyl Acetate
 Concen: 86.757 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion: 43 Resp: 1256130
 Ion Ratio Lower Upper
 43 100
 86 9.0 6.5 9.7

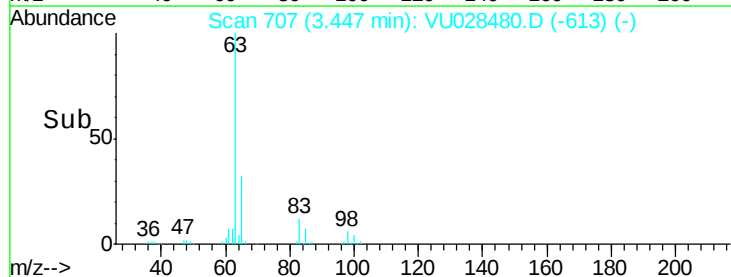
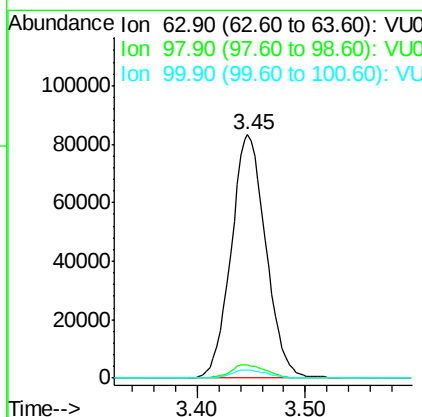
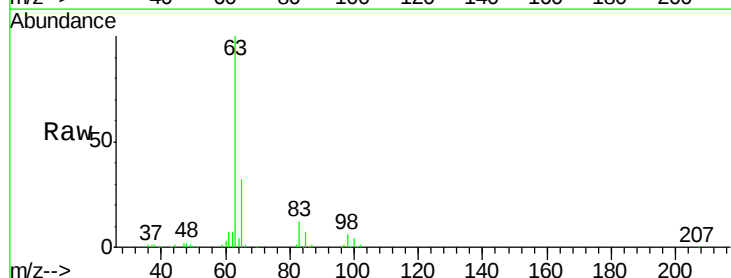
Manual Integrations
 APPROVED

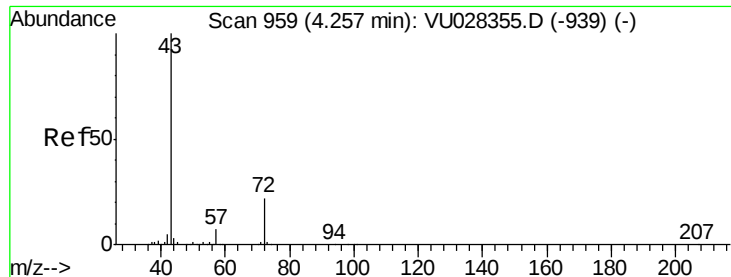
MMDadoda
 12/6/2018 4:53:20 PM



#24
 1,1-Dichloroethane
 Concen: 21.711 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion: 63 Resp: 186453
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.9 8.6
 100 3.5 1.7 5.1





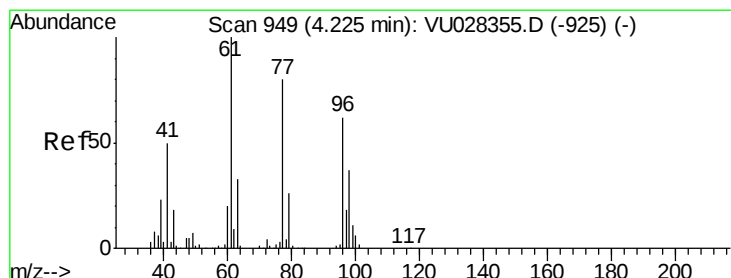
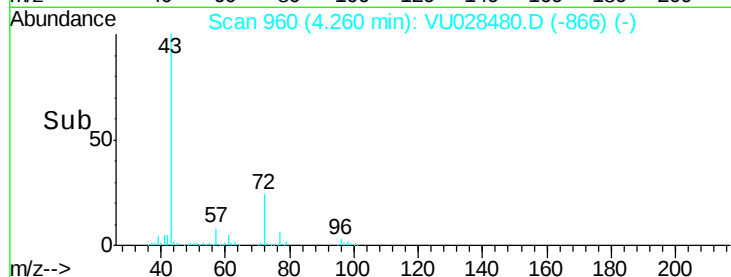
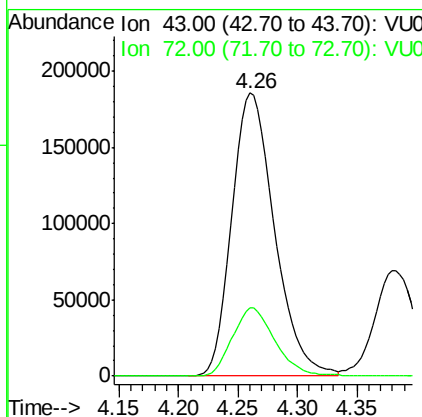
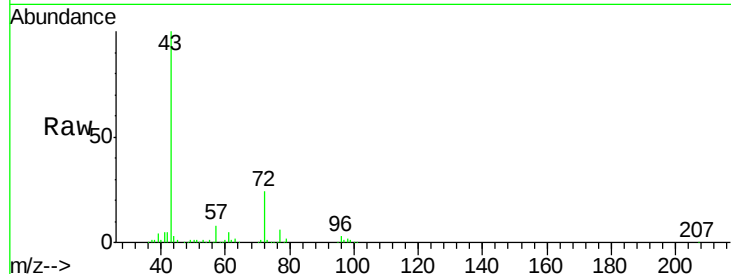
#25
 2-Butanone
 Concen: 98.914 ug/l
 RT: 4.26 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion: 43 Resp: 459391
 Ion Ratio Lower Upper
 43 100
 72 24.1 17.7 26.5

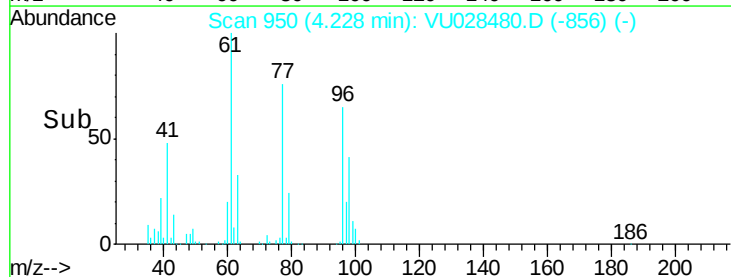
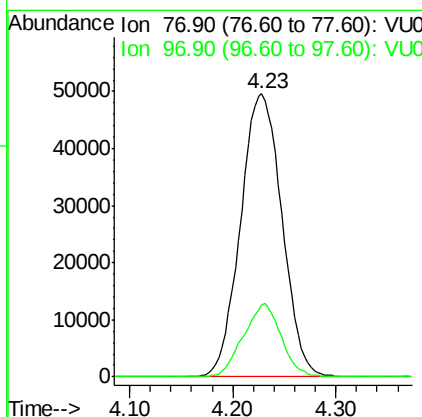
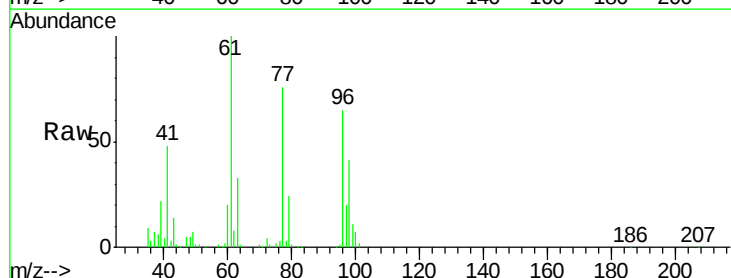
Manual Integrations
 APPROVED

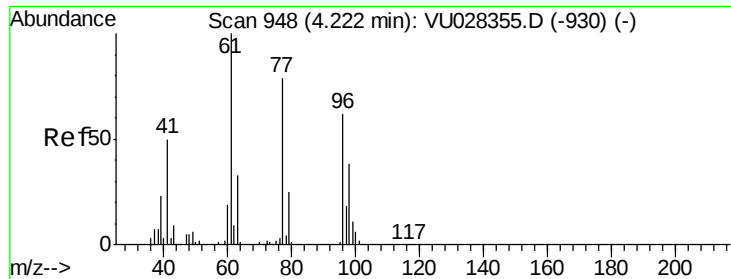
MMDadoda
 12/6/2018 4:53:20 PM



#26
 2,2-Dichloropropane
 Concen: 20.288 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion: 77 Resp: 138374
 Ion Ratio Lower Upper
 77 100
 97 23.6 10.7 32.1





#27

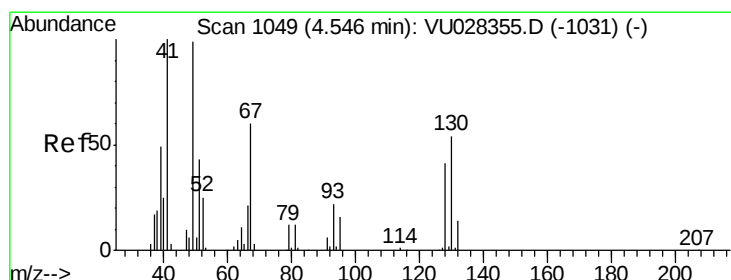
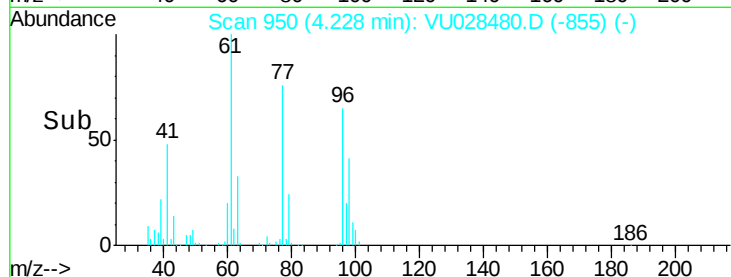
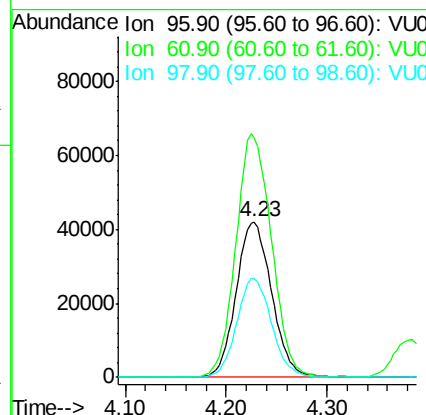
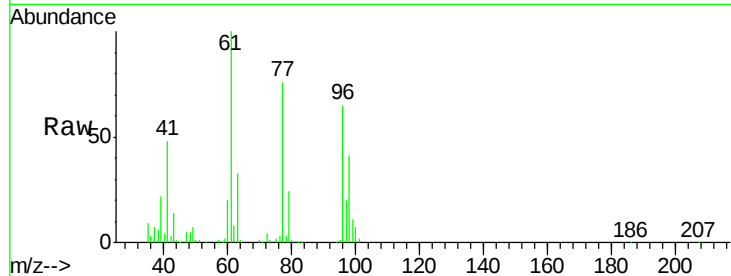
cis-1,2-Dichloroethene
Concen: 22.150 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.01 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	102876		
61	157.3	0.0	342.0	
98	62.3	0.0	126.4	

Manual Integrations
APPROVED

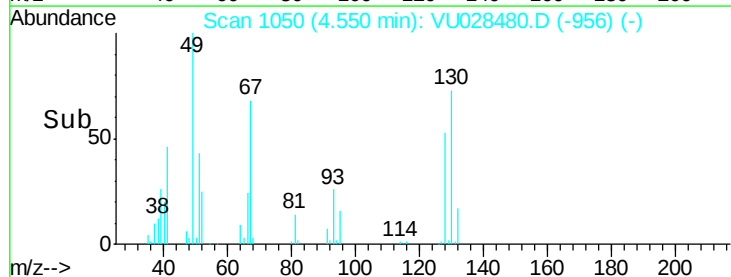
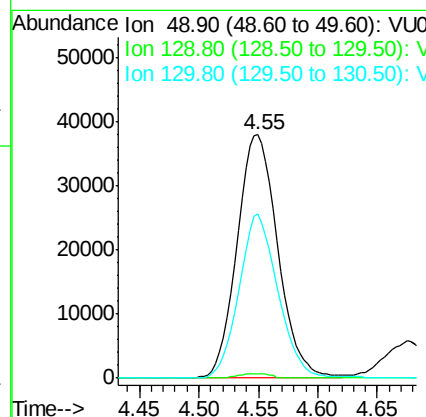
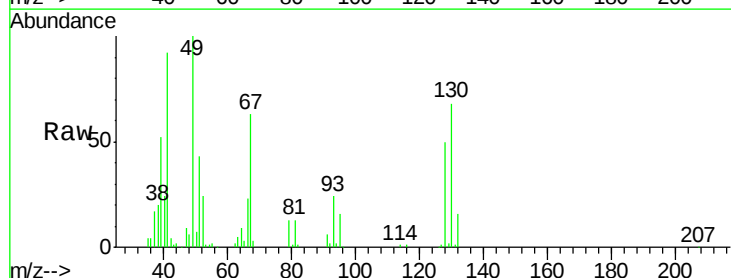
MMDadoda
12/6/2018 4:53:20 PM

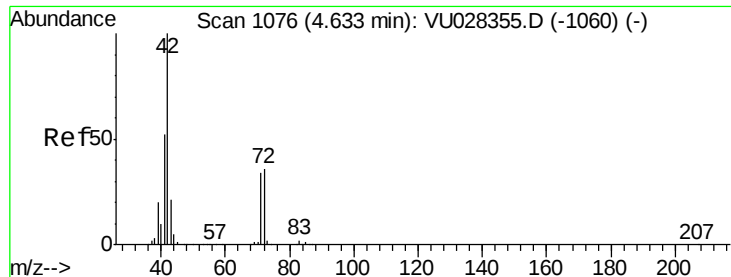


#28

Bromochloromethane
Concen: 20.985 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	90115		
129	1.3	0.0	2.6	
130	64.1	44.5	66.7	





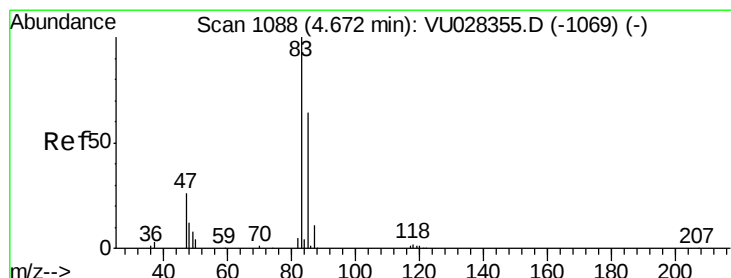
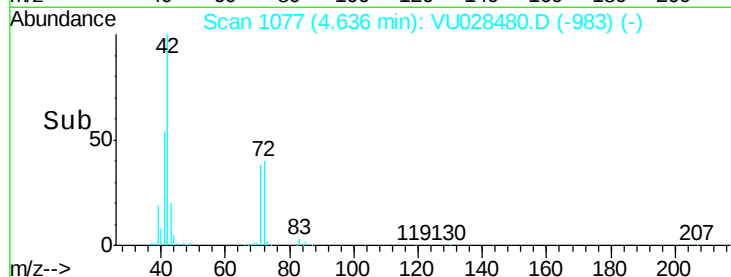
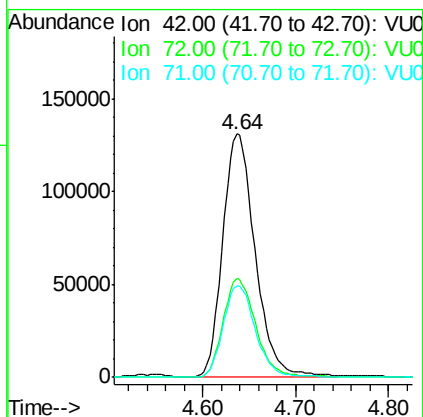
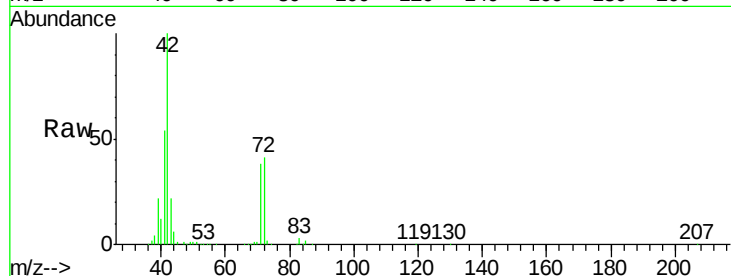
#29
Tetrahydrofuran
Concen: 105.195 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.0	29.5	44.3
71	37.8	27.7	41.5

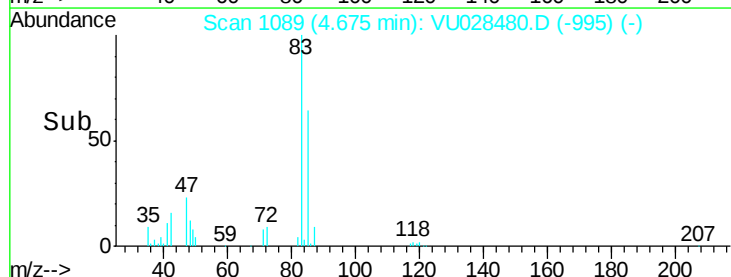
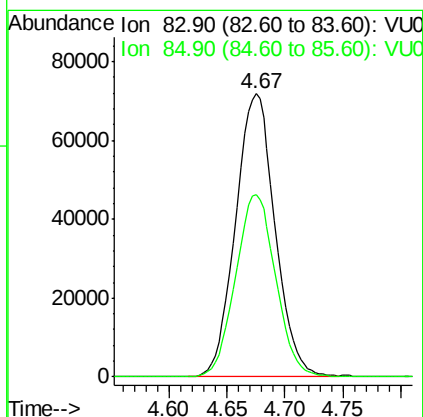
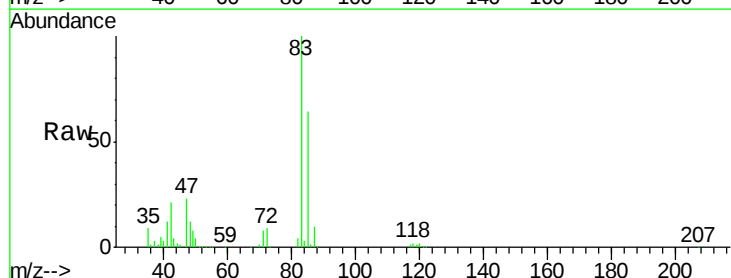
Manual Integrations
APPROVED

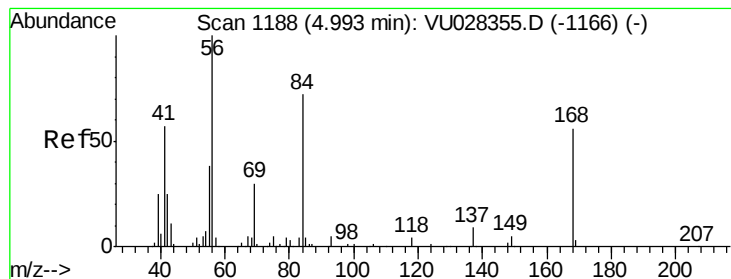
MMDadoda
12/6/2018 4:53:20 PM



#30
Chloroform
Concen: 21.455 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8





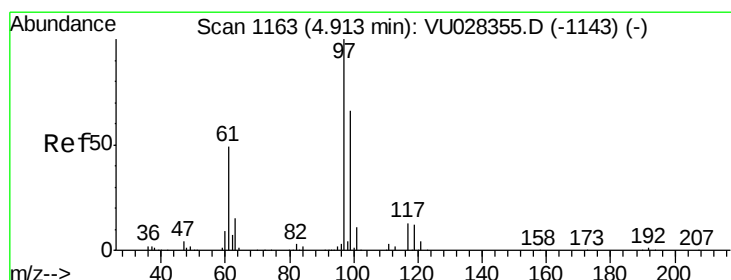
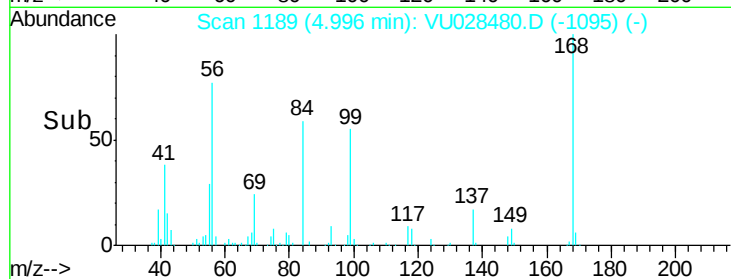
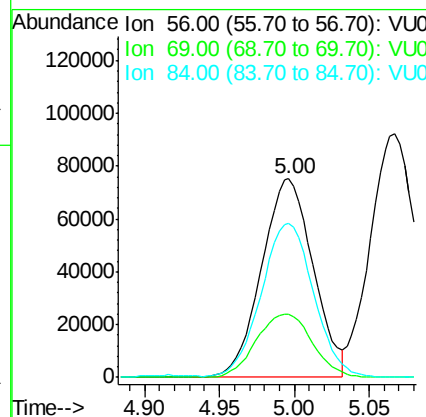
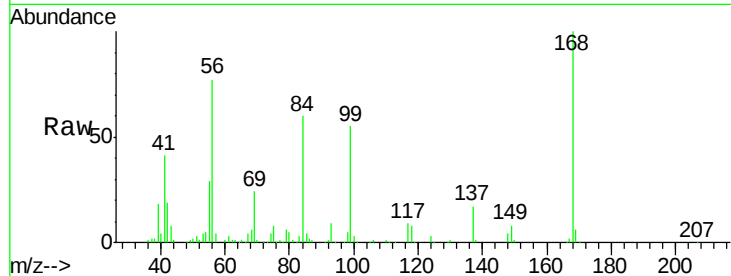
#31
Cyclohexane
Concen: 20.153 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.7	35.5
84	76.9	57.3	85.9

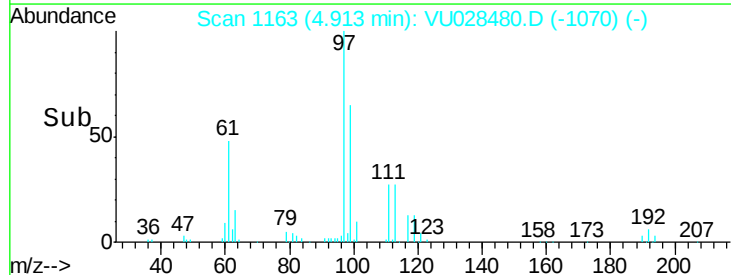
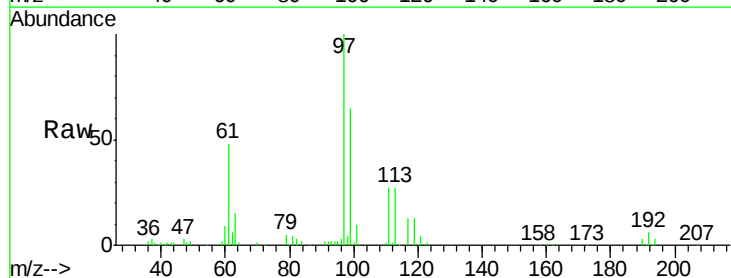
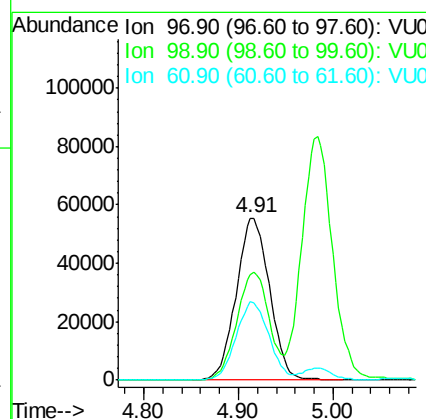
Manual Integrations
APPROVED

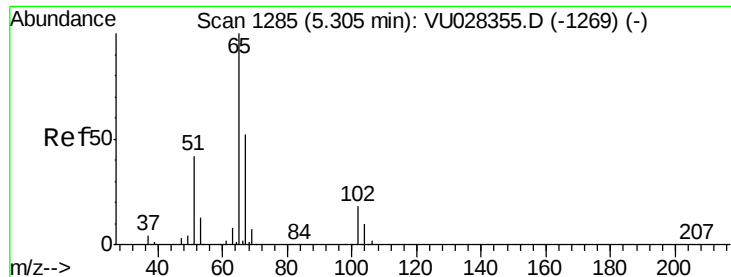
MMDadoda
12/6/2018 4:53:20 PM



#32
1,1,1-Trichloroethane
Concen: 21.398 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.8	76.2
61	47.8	39.1	58.7





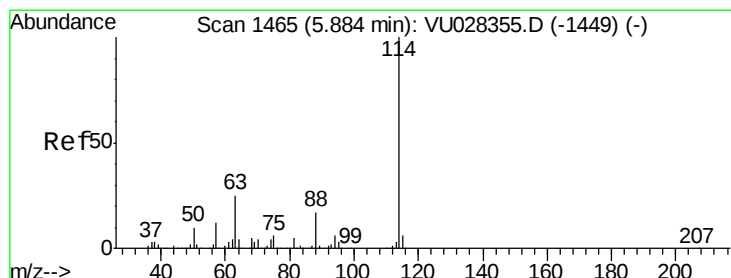
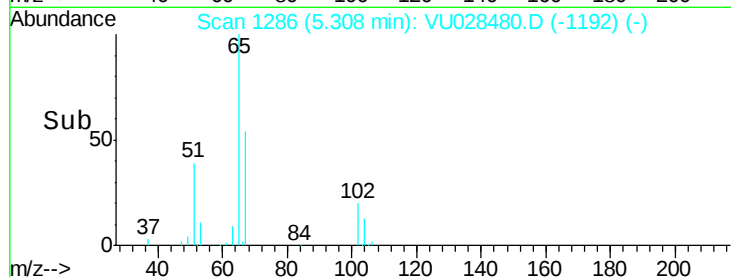
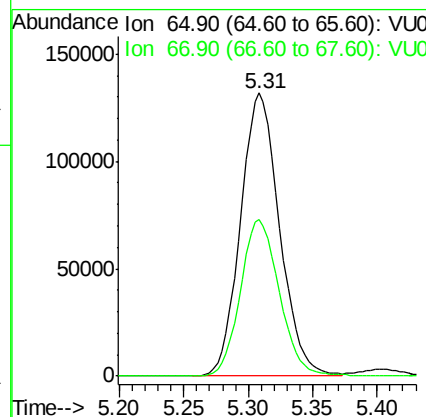
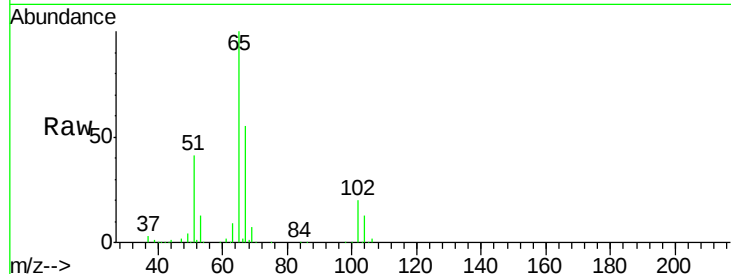
#33
 1,2-Dichloroethane-d4
 Concen: 52.469 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	277956		
67	55.3	0.0	106.8	

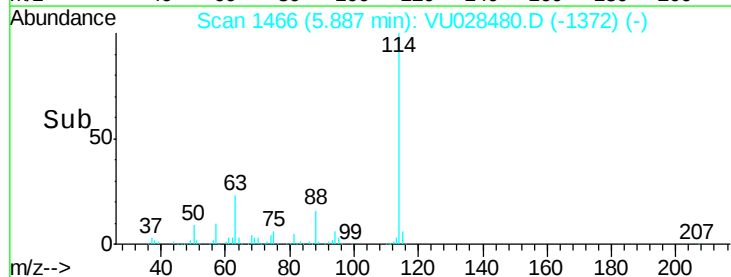
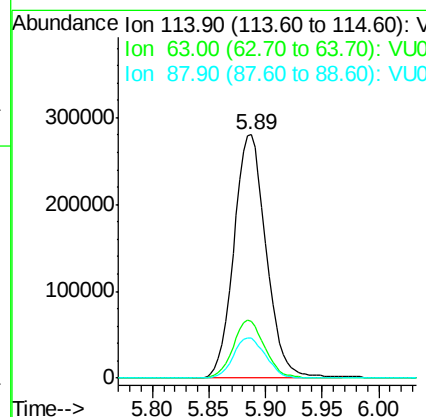
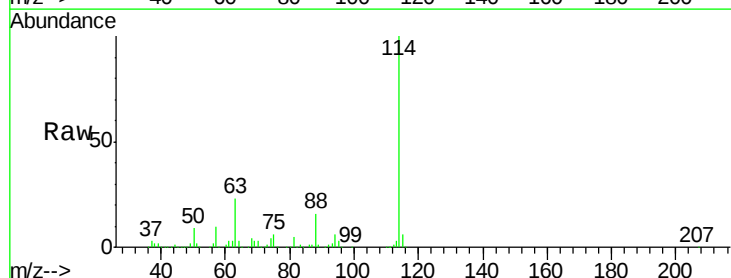
Manual Integrations
 APPROVED

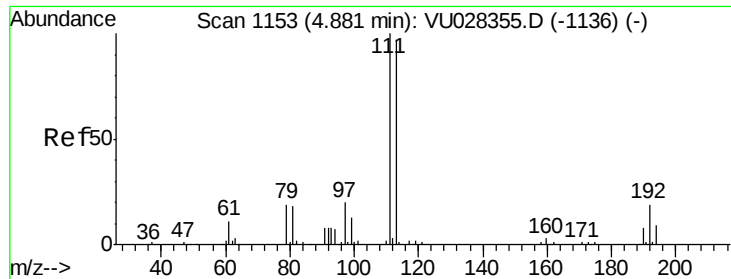
MMDadoda
 12/6/2018 4:53:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	556494		
63	23.2	0.0	50.0	
88	16.3	0.0	34.4	





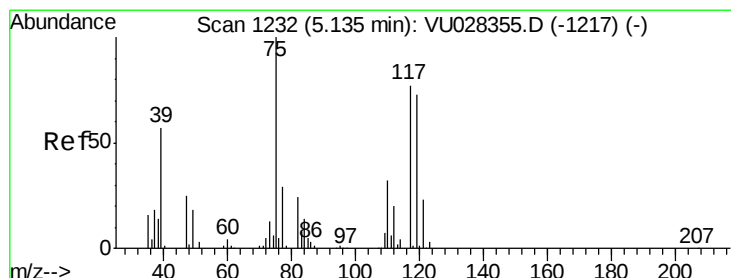
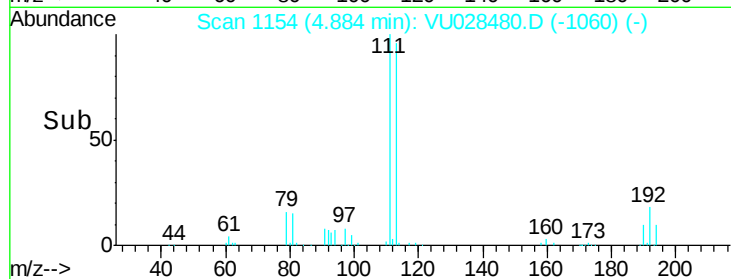
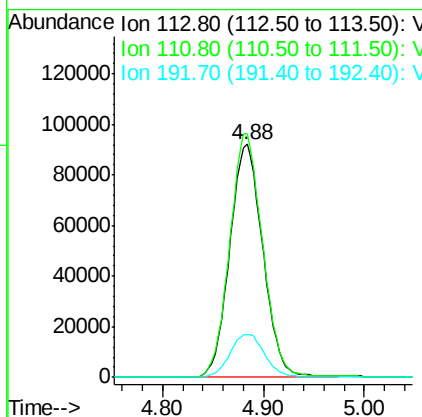
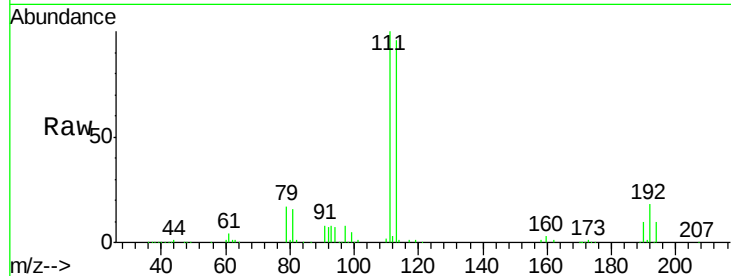
#35
 Dibromofluoromethane
 Concen: 56.929 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	210663		
111	103.7	82.9	124.3	
192	19.5	15.4	23.0	

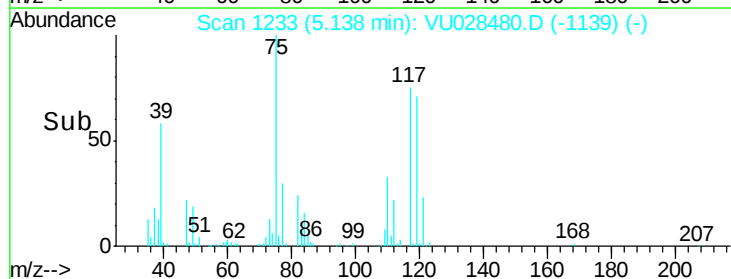
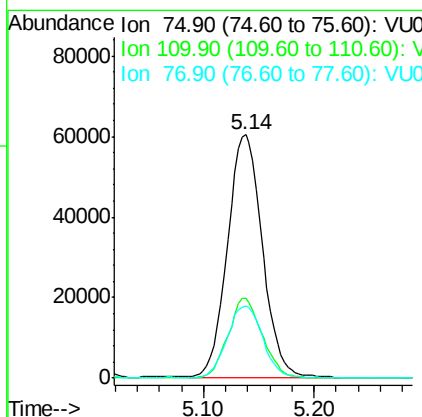
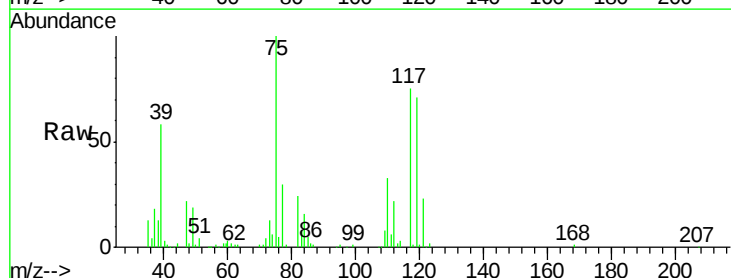
Manual Integrations
 APPROVED

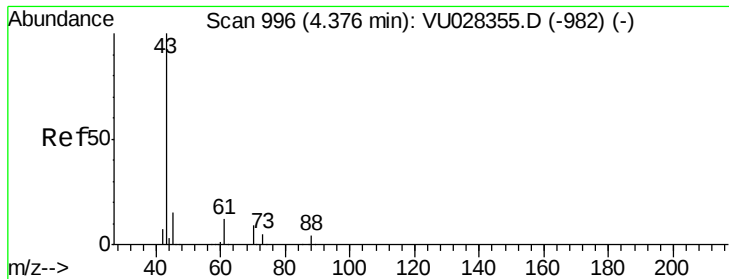
MMDadoda
 12/6/2018 4:53:20 PM



#36
 1,1-Dichloropropene
 Concen: 21.670 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131960		
110	32.6	15.8	47.4	
77	30.4	24.6	36.8	





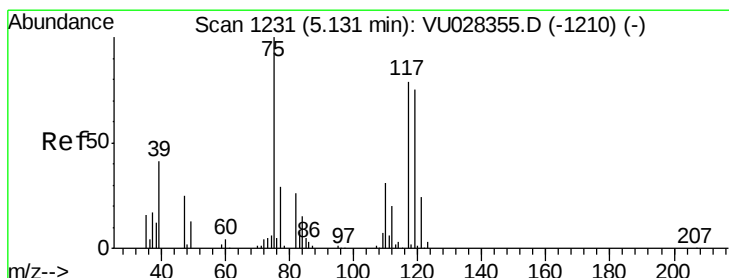
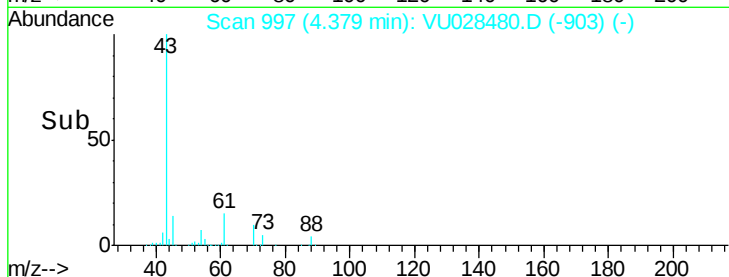
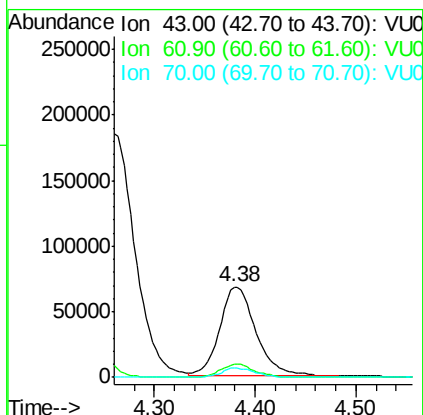
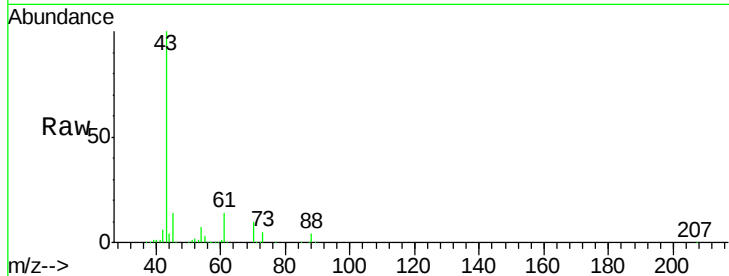
#37
Ethyl Acetate
Concen: 20.675 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.2	15.4
70	9.8	6.9	10.3

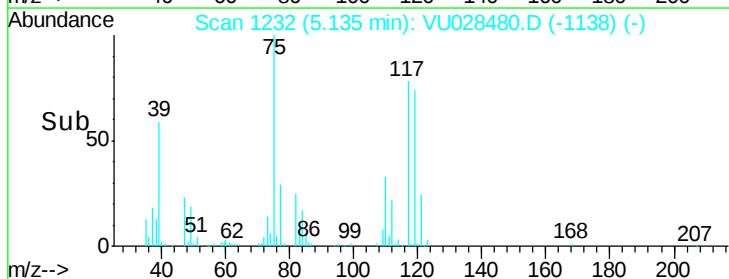
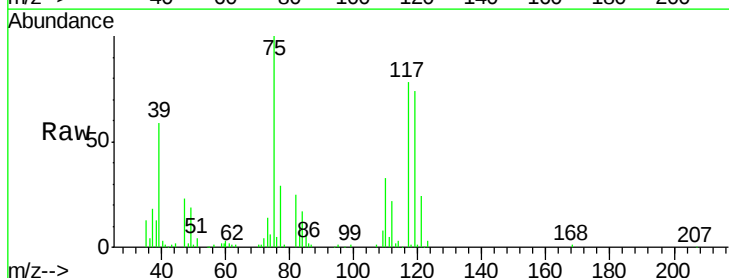
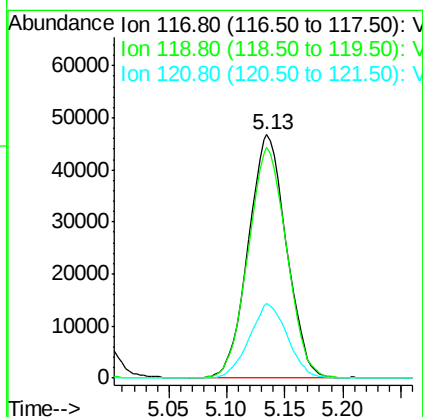
Manual Integrations
APPROVED

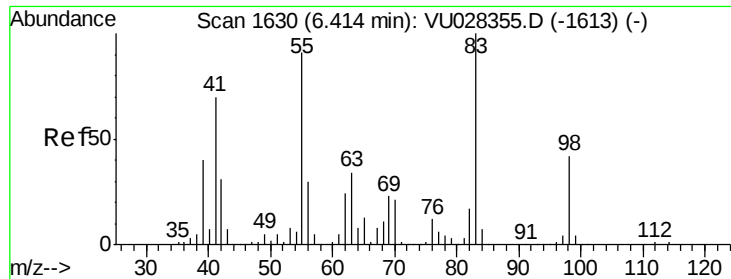
MMDadoda
12/6/2018 4:53:20 PM



#38
Carbon Tetrachloride
Concen: 21.434 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.3	114.5
121	30.9	24.7	37.1





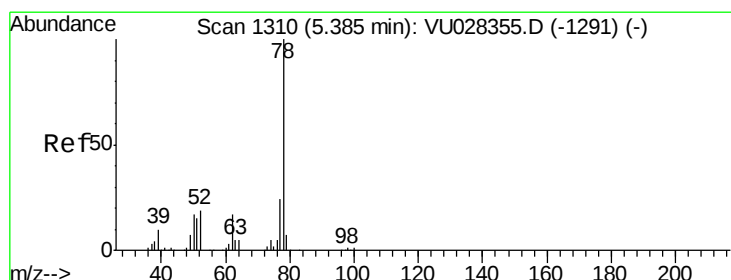
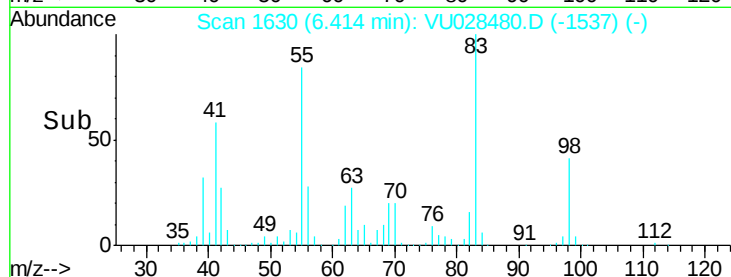
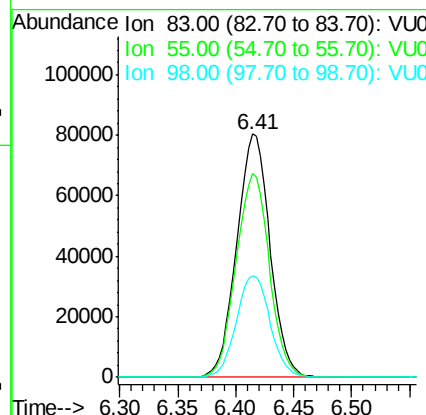
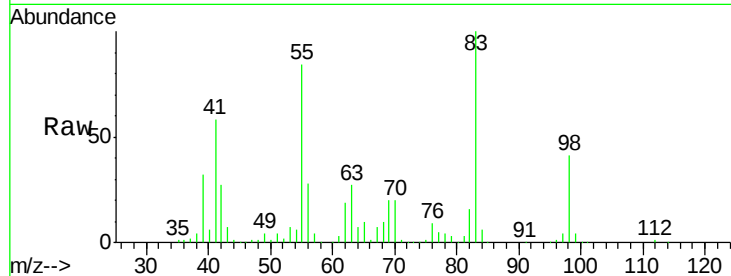
#39
Methylcyclohexane
Concen: 22.249 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.5	73.1	109.7
98	41.5	33.9	50.9

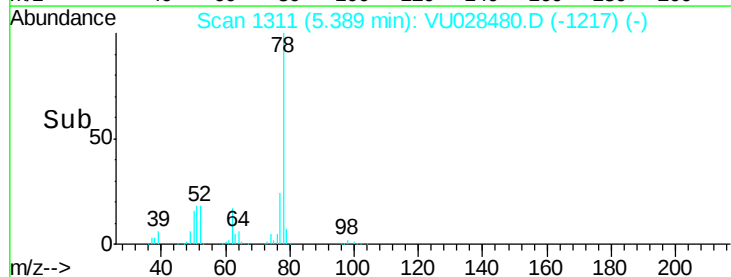
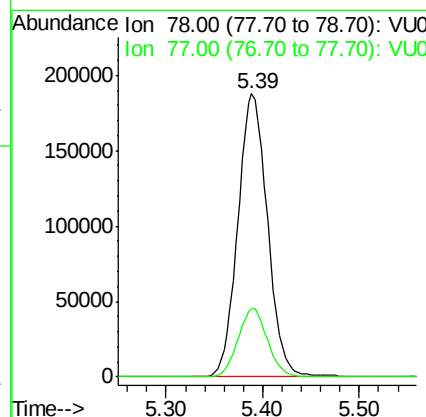
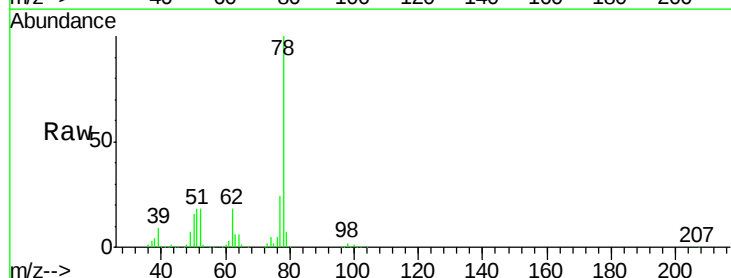
Manual Integrations
APPROVED

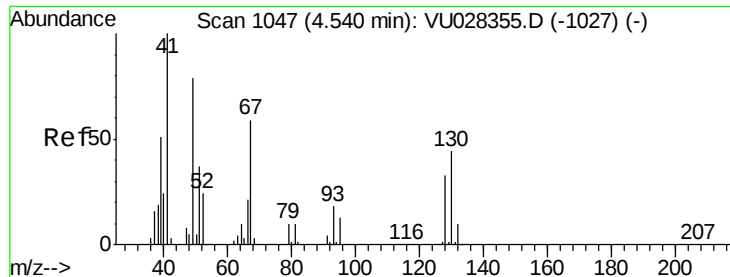
MMDadoda
12/6/2018 4:53:20 PM



#40
Benzene
Concen: 22.138 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





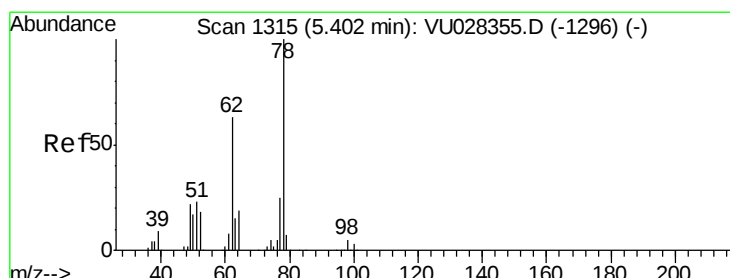
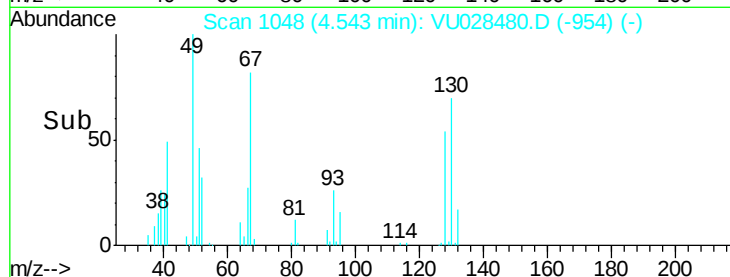
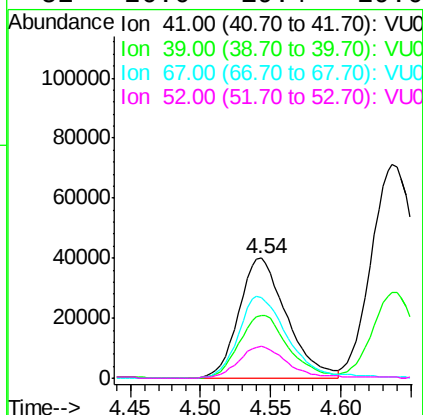
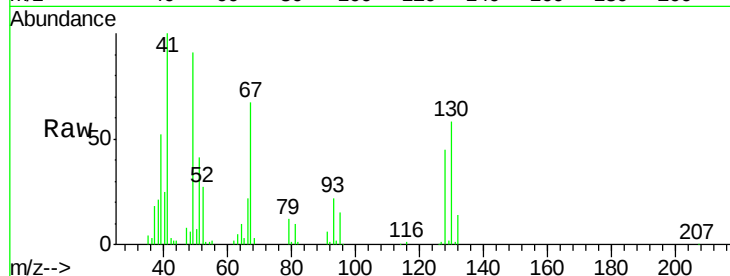
#41
Methacrylonitrile
Concen: 20.603 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.4	41.3	61.9
67	70.6	48.6	73.0
52	26.0	19.4	29.0

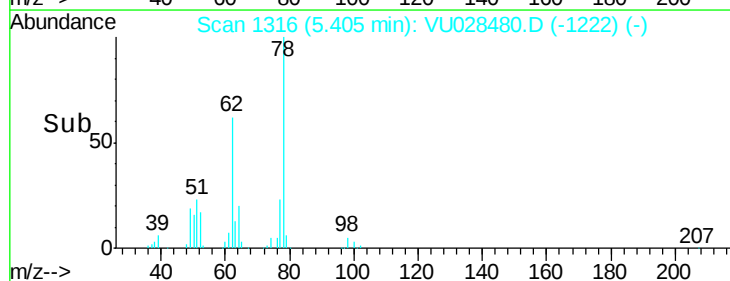
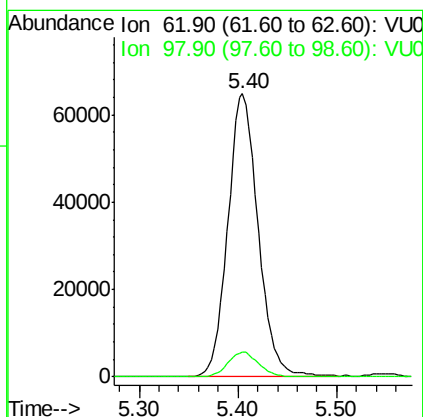
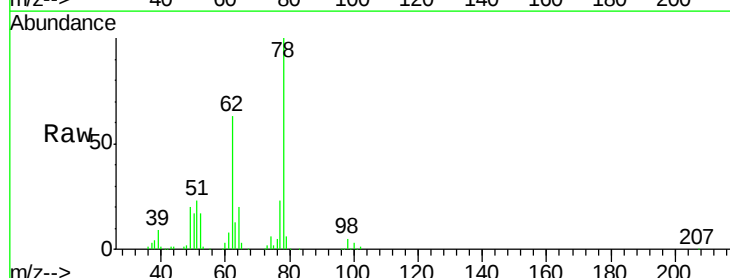
Manual Integrations
APPROVED

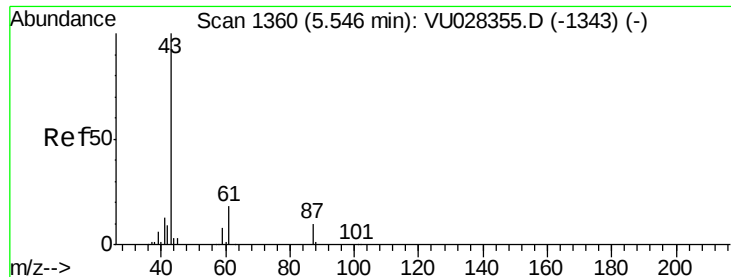
MMDadoda
12/6/2018 4:53:20 PM



#42
1,2-Dichloroethane
Concen: 21.444 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.4





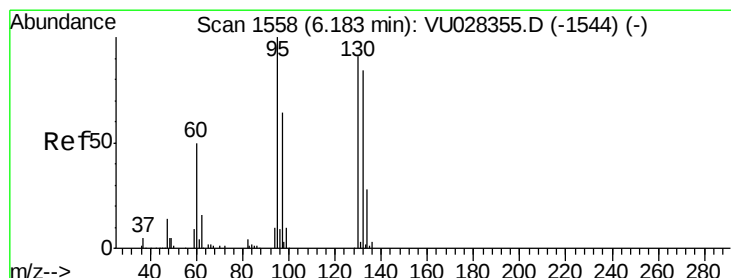
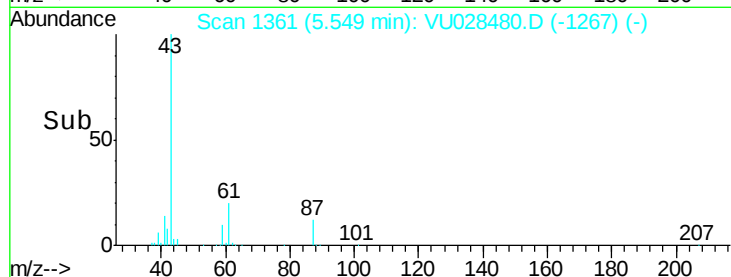
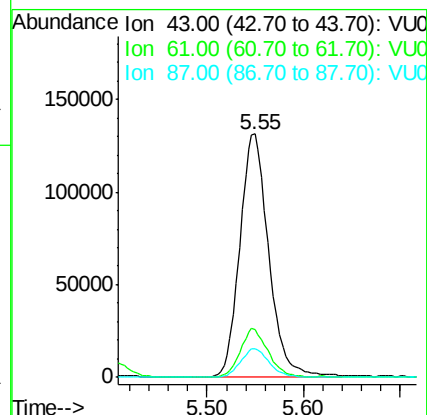
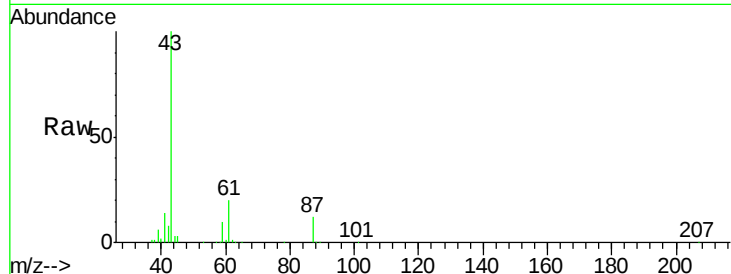
#43
Isopropyl Acetate
Concen: 20.657 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.5	14.5	21.7
87	11.7	8.4	12.6

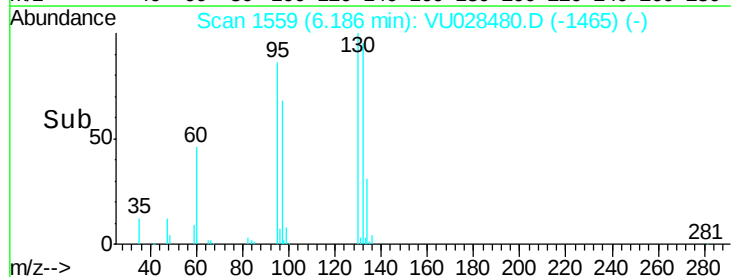
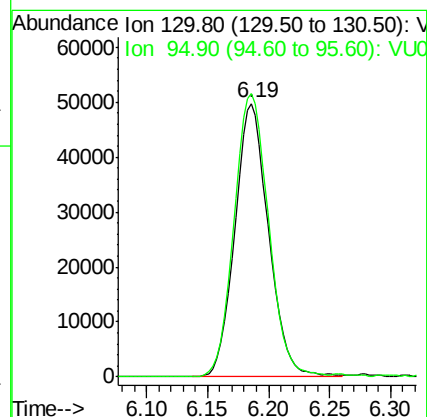
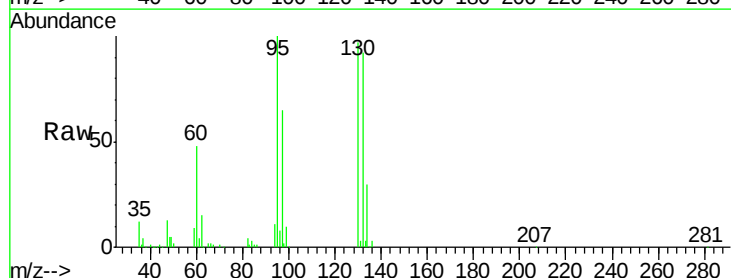
Manual Integrations
APPROVED

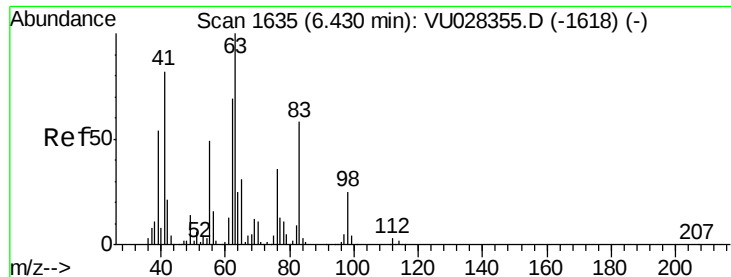
MMDadoda
12/6/2018 4:53:20 PM



#44
Trichloroethene
Concen: 24.705 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	219.8





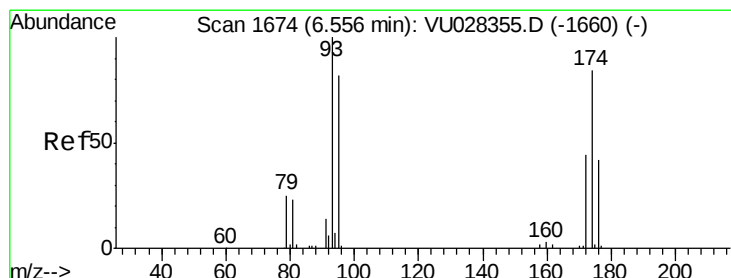
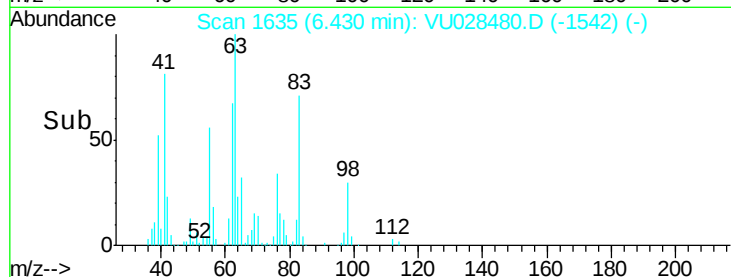
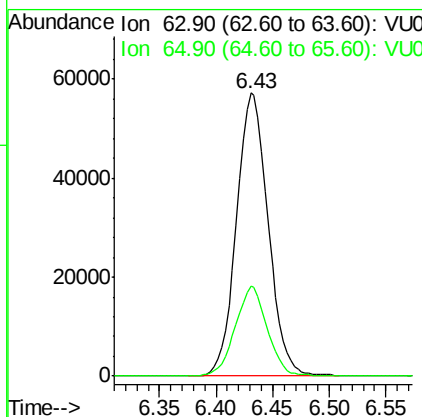
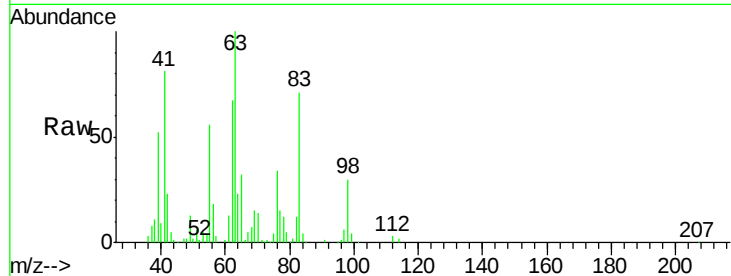
#45
 1,2-Dichloropropane
 Concen: 21.168 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion: 63 Resp: 111806
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.1 37.7

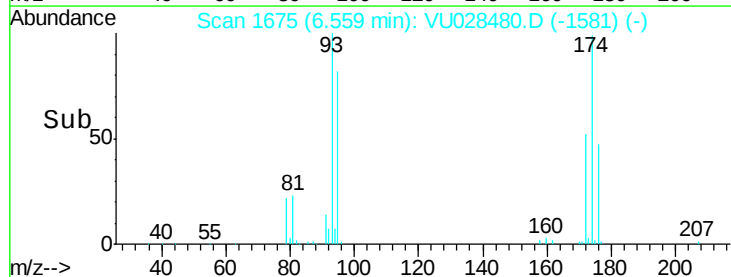
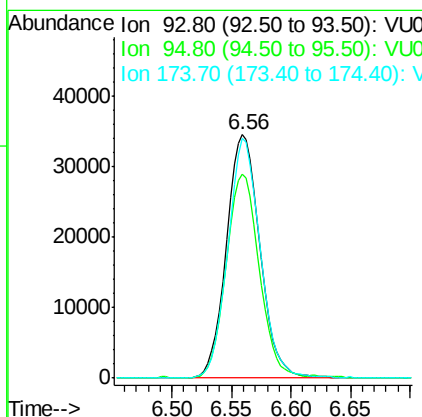
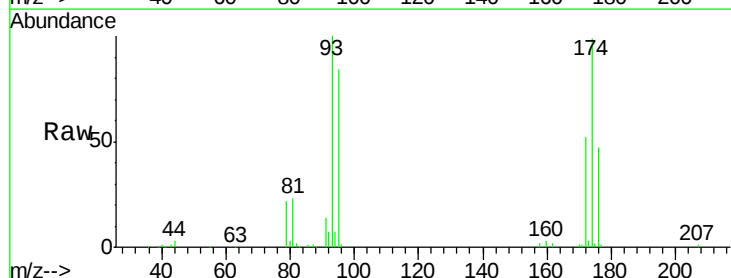
Manual Integrations
 APPROVED

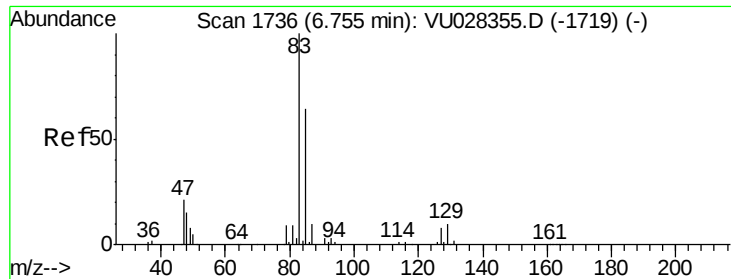
MMDadoda
 12/6/2018 4:53:20 PM



#46
 Dibromomethane
 Concen: 22.179 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion: 93 Resp: 67286
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.1 97.7
 174 95.2 69.9 104.9





#47

Bromodichloromethane

Concen: 21.085 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

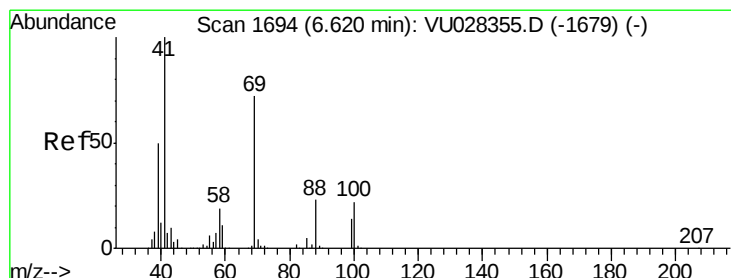
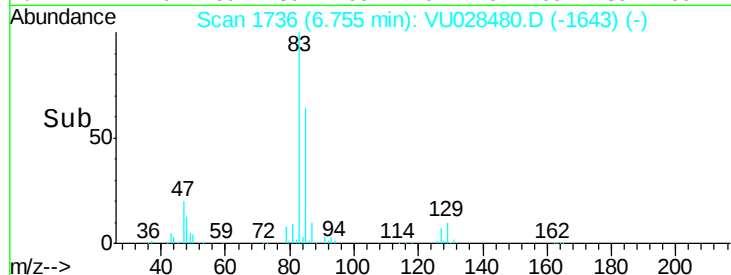
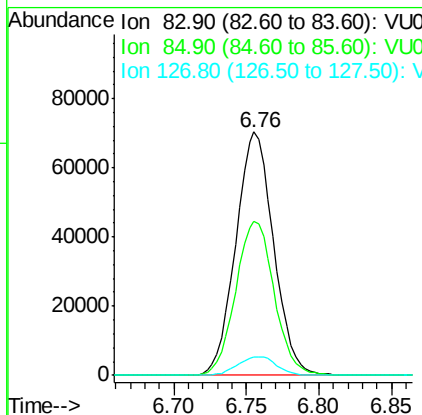
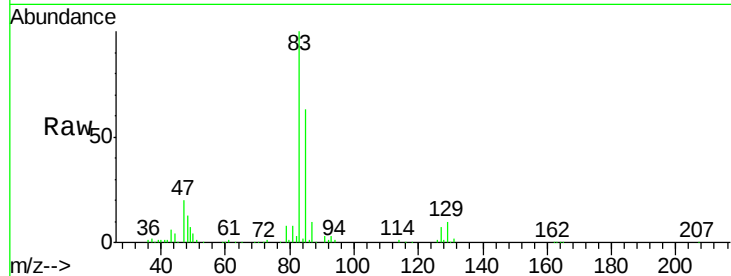
ClientSampleId :

VU1205WBSD01

Tgt Ion:	83	Resp:	127237
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.9	76.3
127	7.3	6.2	9.4

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:20 PM



#48

Methyl methacrylate

Concen: 19.652 ug/l

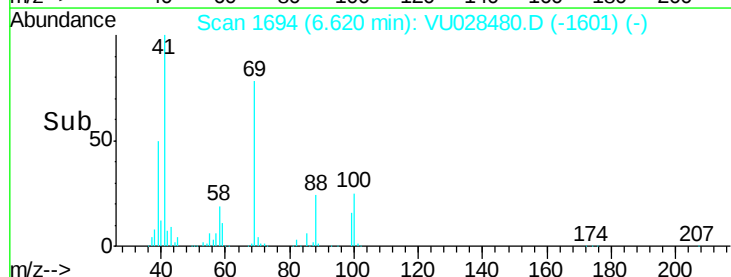
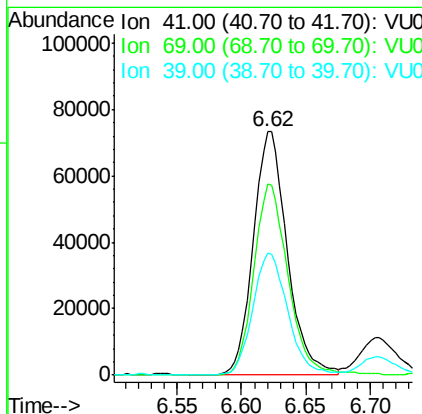
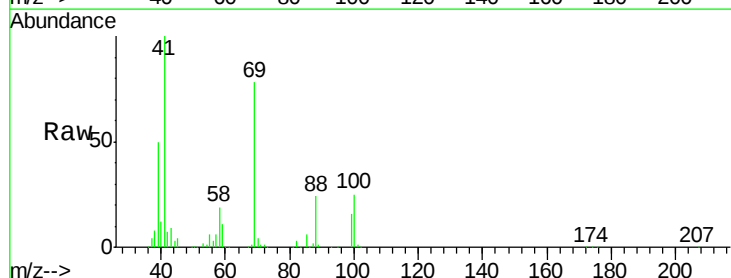
RT: 6.62 min Scan# 1694

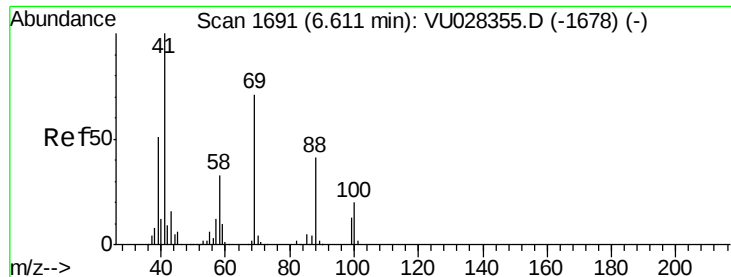
Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Tgt Ion:	41	Resp:	134620
Ion	Ratio	Lower	Upper
41	100		
69	78.7	59.0	88.4
39	51.7	40.5	60.7





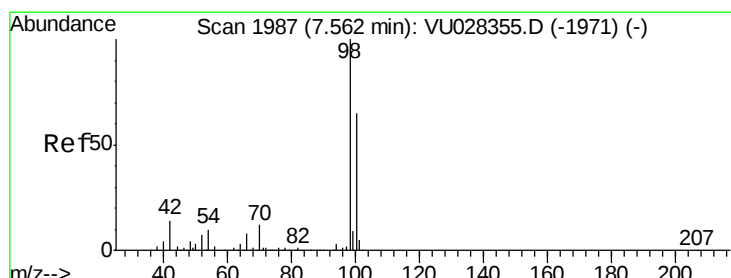
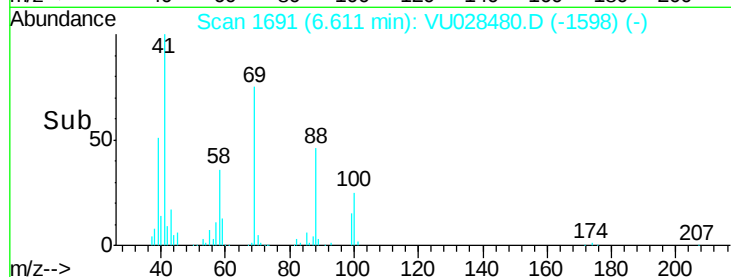
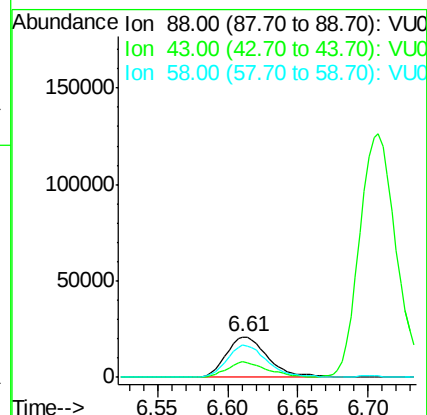
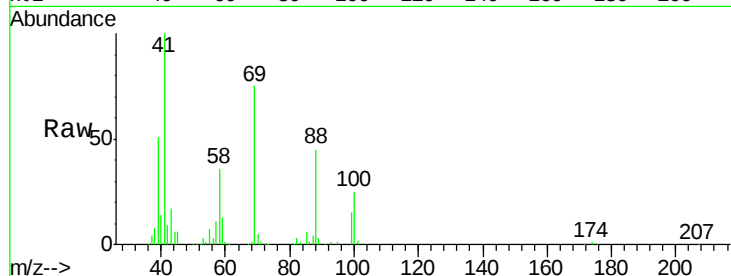
#49
1,4-Dioxane
Concen: 392.174 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion: 88 Resp: 42917
Ion Ratio Lower Upper
88 100
43 36.3 32.6 48.8
58 77.7 68.7 103.1

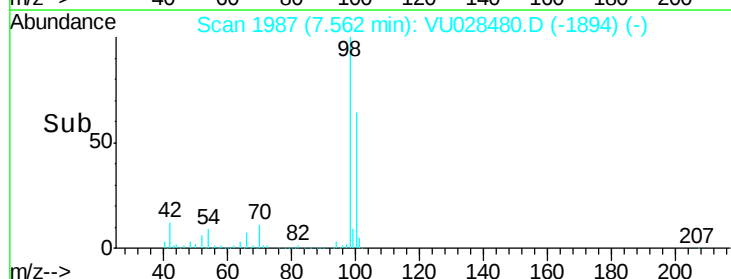
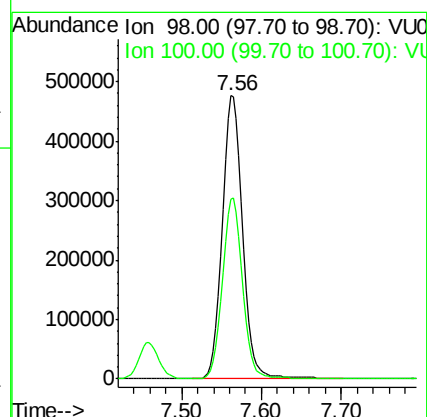
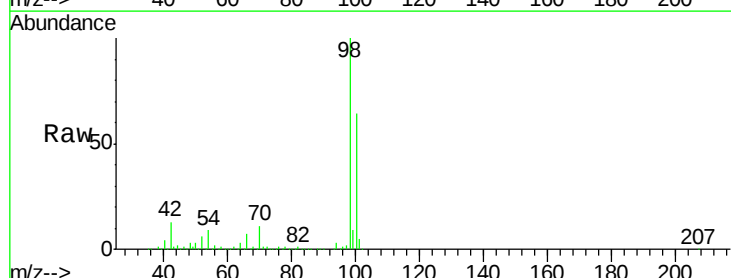
Manual Integrations
APPROVED

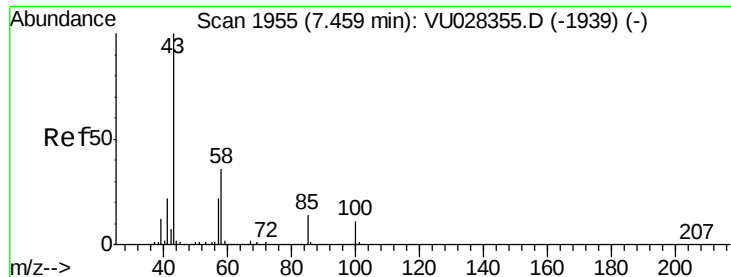
MMDadoda
12/6/2018 4:53:20 PM



#50
Toluene-d8
Concen: 57.075 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion: 98 Resp: 844664
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2





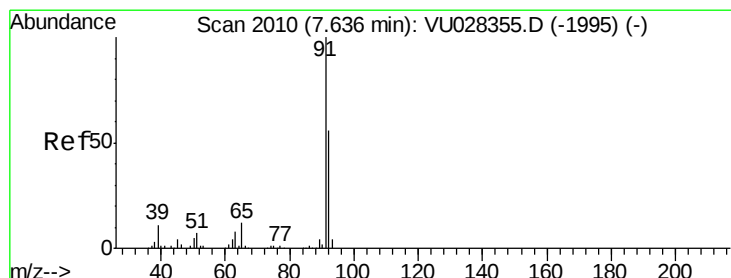
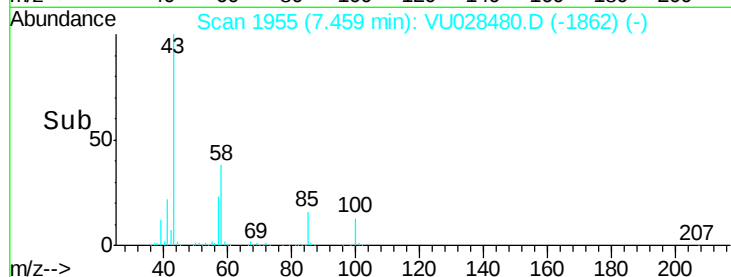
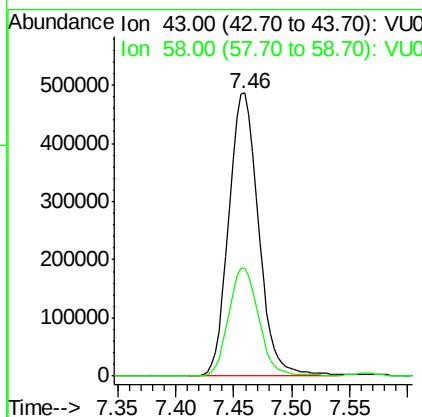
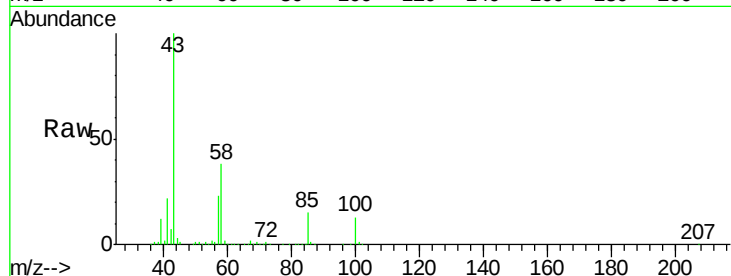
#51
 4-Methyl-2-Pentanone
 Concen: 103.046 ug/l
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion: 43 Resp: 865496
 Ion Ratio Lower Upper
 43 100
 58 38.6 28.8 43.2

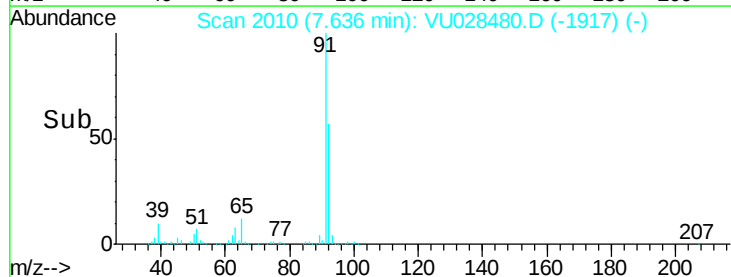
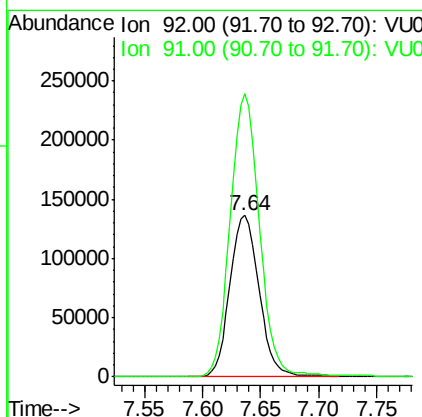
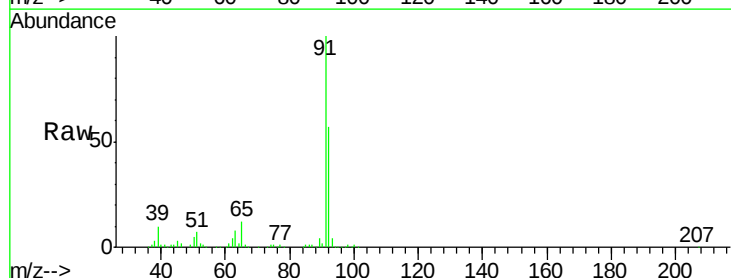
Manual Integrations
 APPROVED

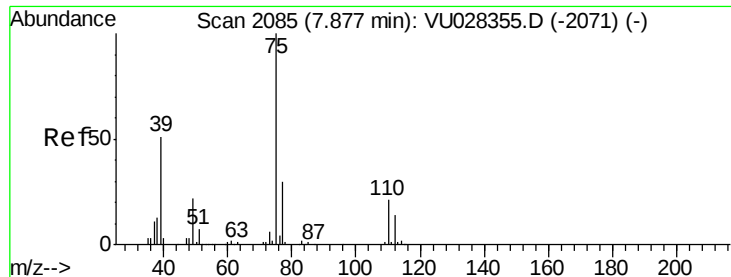
MMDadoda
 12/6/2018 4:53:20 PM



#52
 Toluene
 Concen: 23.080 ug/l
 RT: 7.64 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion: 92 Resp: 239712
 Ion Ratio Lower Upper
 92 100
 91 174.4 141.8 212.6





#53

t-1,3-Dichloropropene

Concen: 21.061 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBSD01

Tgt Ion: 75 Resp: 151972

Ion Ratio Lower Upper

75 100

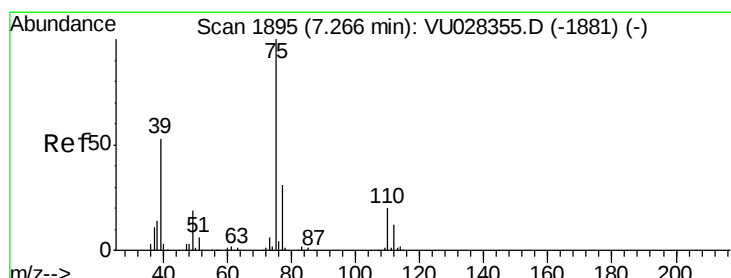
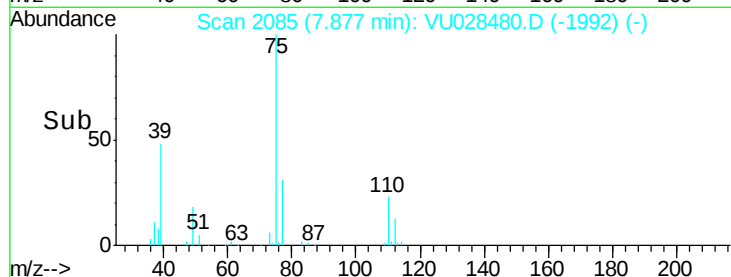
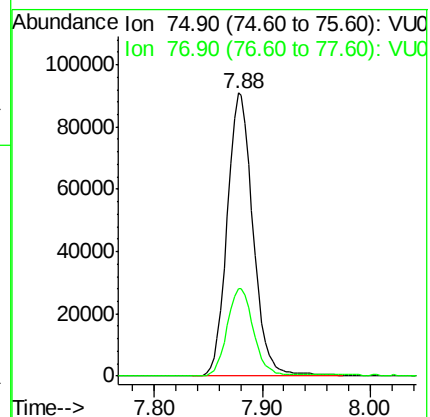
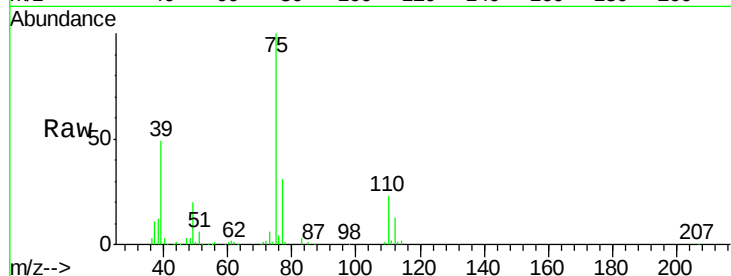
77 31.0 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

12/6/2018 4:53:20 PM



#54

cis-1,3-Dichloropropene

Concen: 21.335 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

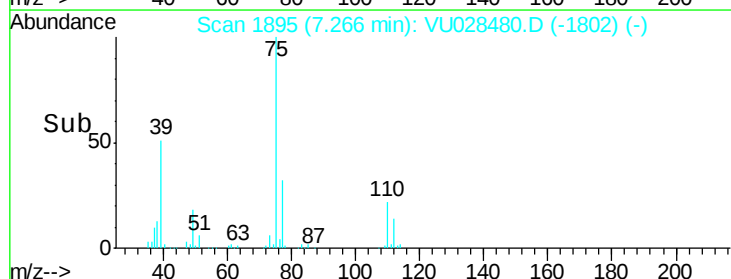
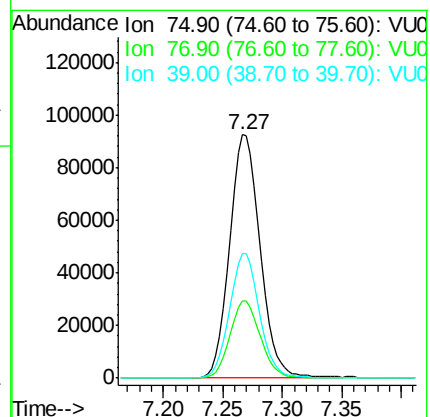
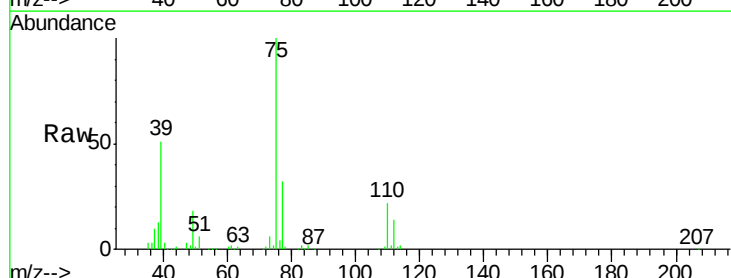
Tgt Ion: 75 Resp: 164923

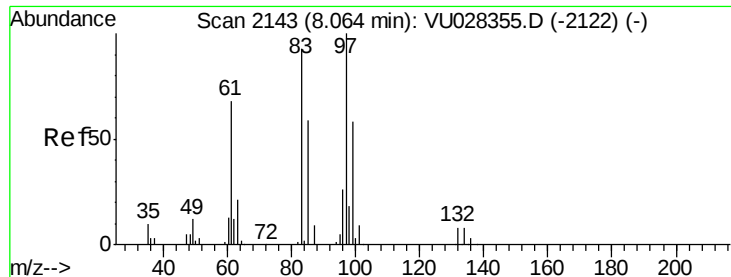
Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3

39 51.0 42.6 64.0





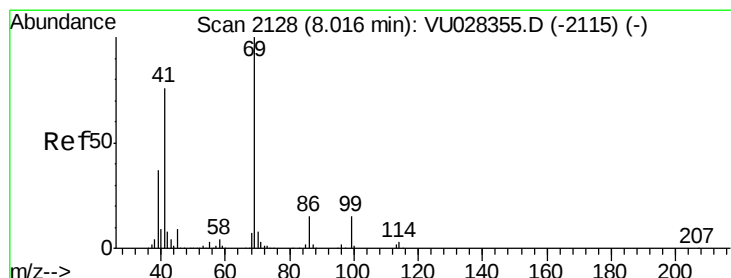
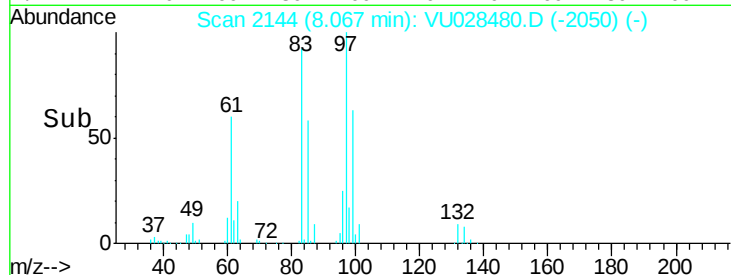
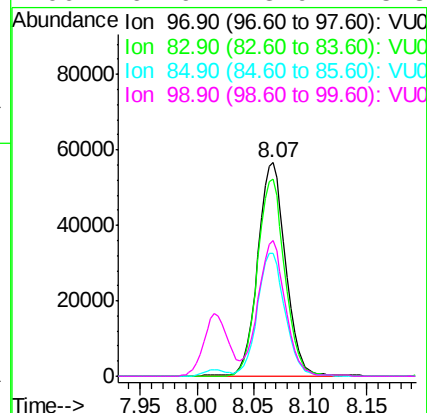
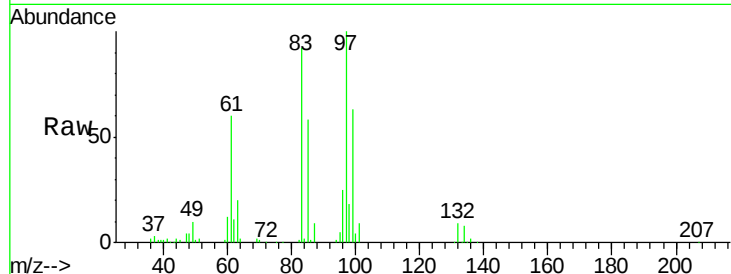
#55
 1,1,2-Trichloroethane
 Concen: 22.487 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.2	74.3	111.5	
85	57.4	47.2	70.8	
99	62.9	48.9	73.3	

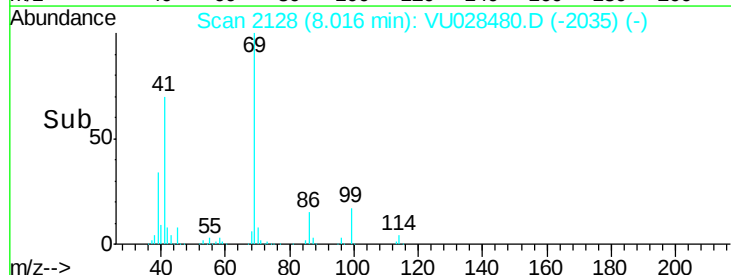
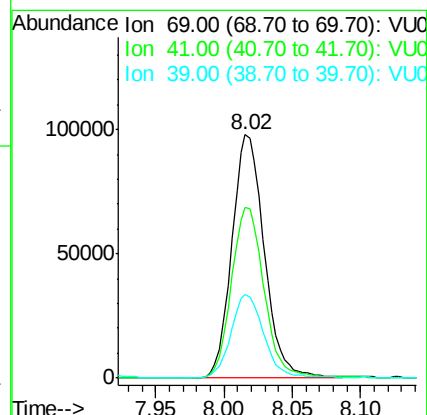
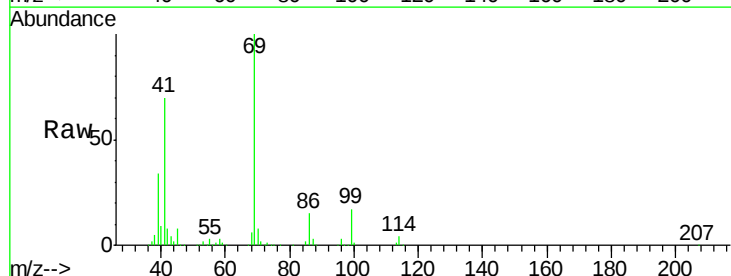
Manual Integrations
 APPROVED

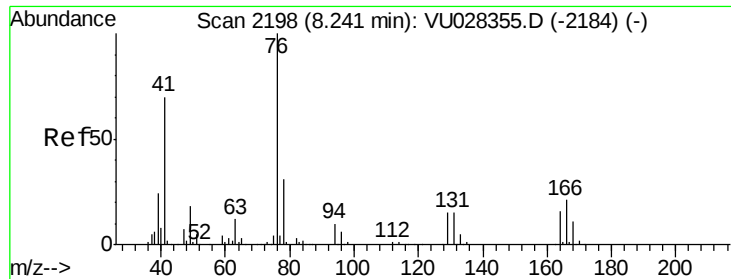
MMDadoda
 12/6/2018 4:53:20 PM



#56
 Ethyl methacrylate
 Concen: 22.012 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	71.1	60.0	90.0	
39	34.6	29.0	43.6	





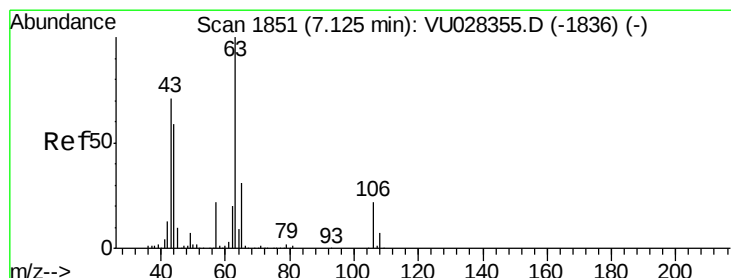
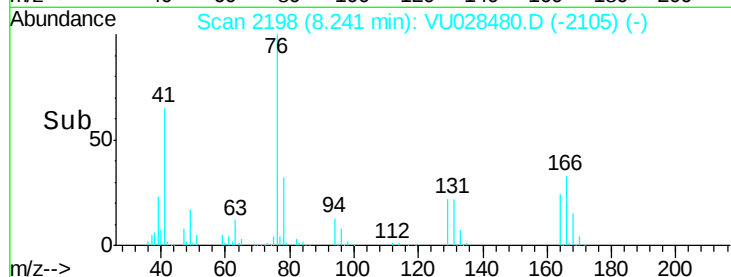
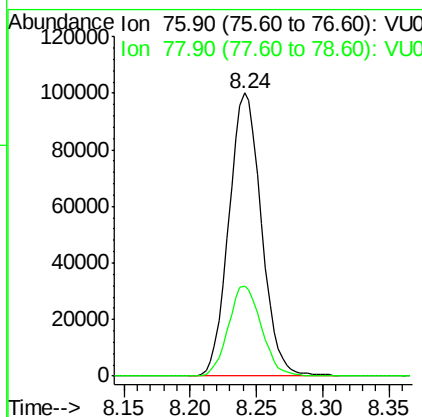
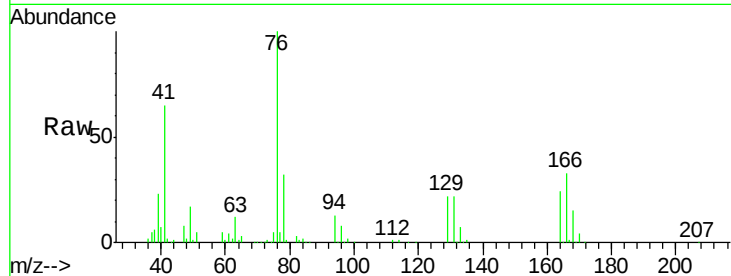
#57
 1,3-Dichloropropane
 Concen: 21.551 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion: 76 Resp: 170832
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.0

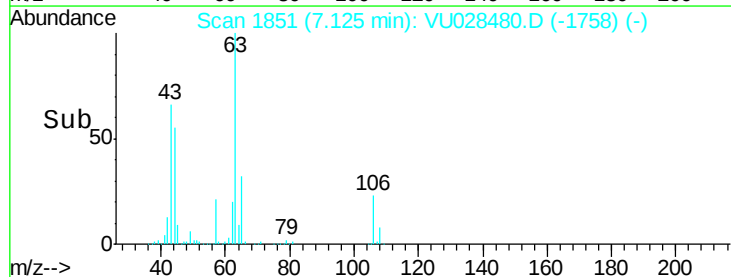
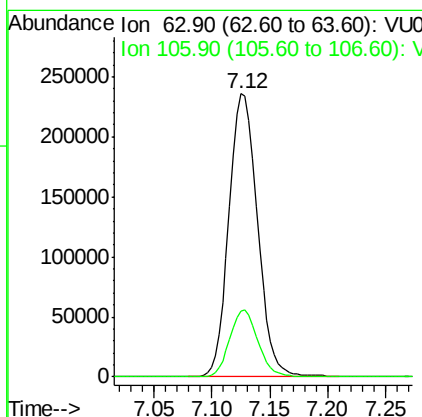
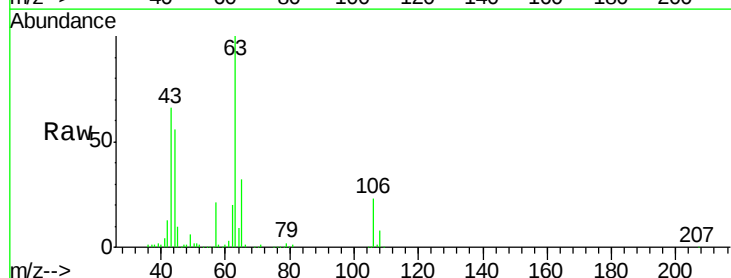
Manual Integrations
 APPROVED

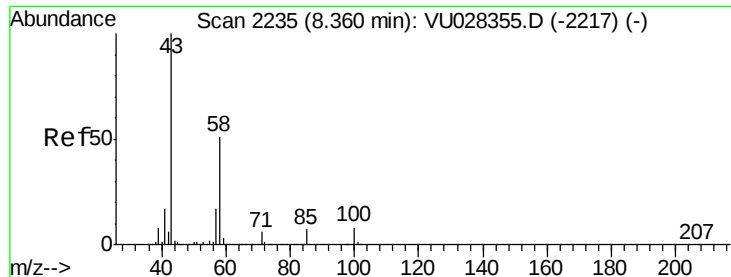
MMDadoda
 12/6/2018 4:53:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.614 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion: 63 Resp: 405121
 Ion Ratio Lower Upper
 63 100
 106 23.2 17.3 25.9





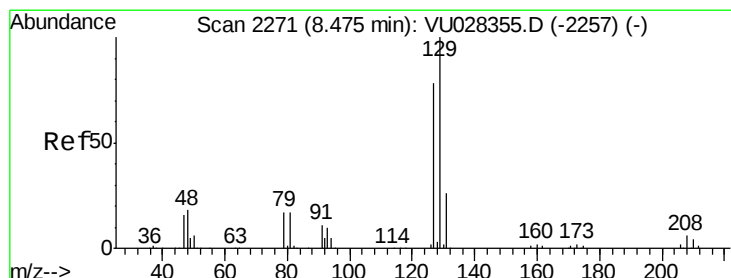
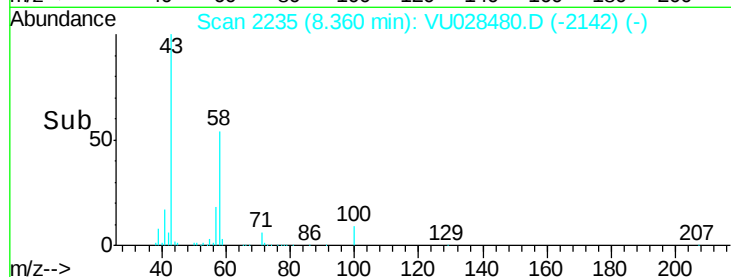
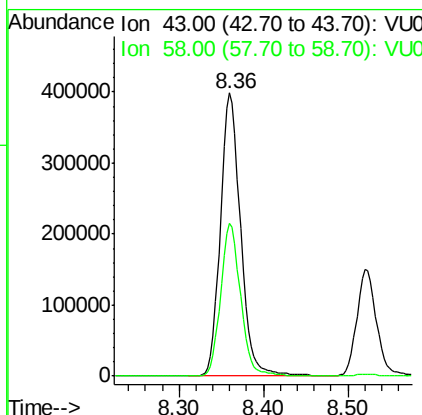
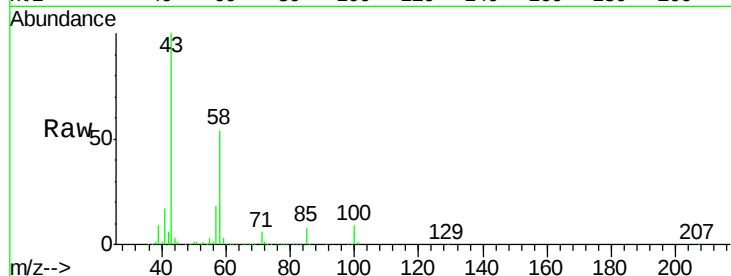
#59
2-Hexanone
Concen: 101.970 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion: 43 Resp: 663415
Ion Ratio Lower Upper
43 100
58 53.6 25.5 76.5

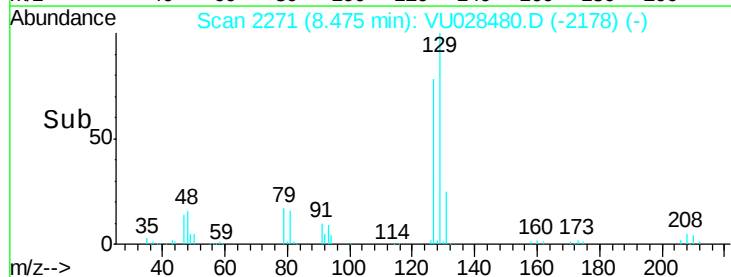
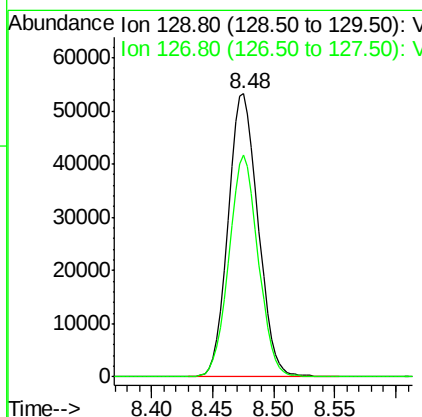
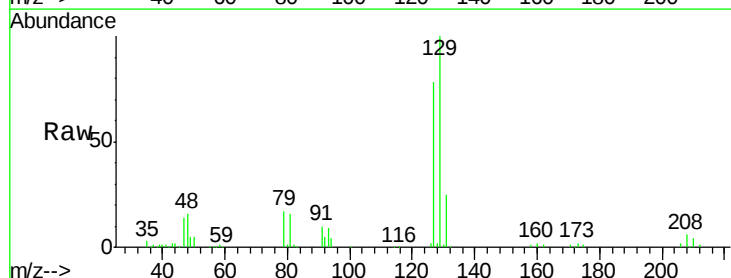
Manual Integrations
APPROVED

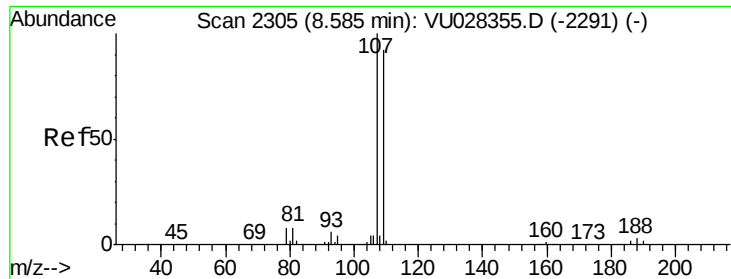
MMDadoda
12/6/2018 4:53:20 PM



#60
Dibromochloromethane
Concen: 22.260 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion: 129 Resp: 91512
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 23.063 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBSD01

Tgt Ion: 107 Resp: 102103

Ion Ratio Lower Upper

107 100

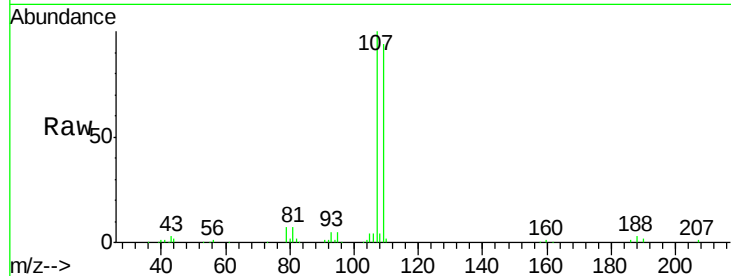
109 94.1 73.2 109.8

Manual Integrations

APPROVED

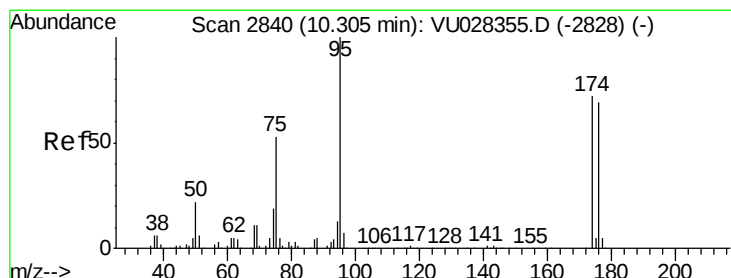
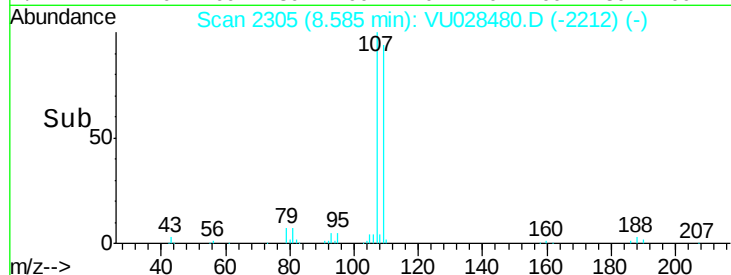
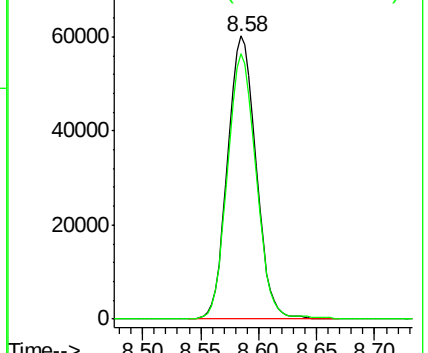
MMDadoda

12/6/2018 4:53:20 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 59.430 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

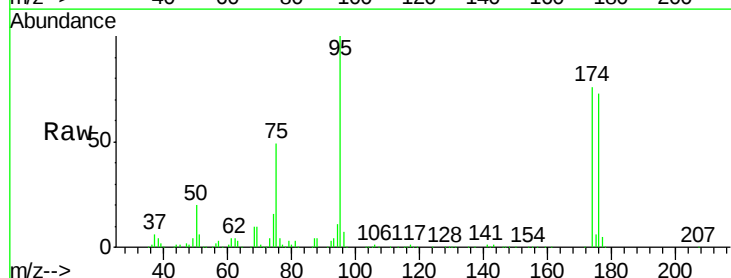
Tgt Ion: 95 Resp: 317006

Ion Ratio Lower Upper

95 100

174 76.3 0.0 145.4

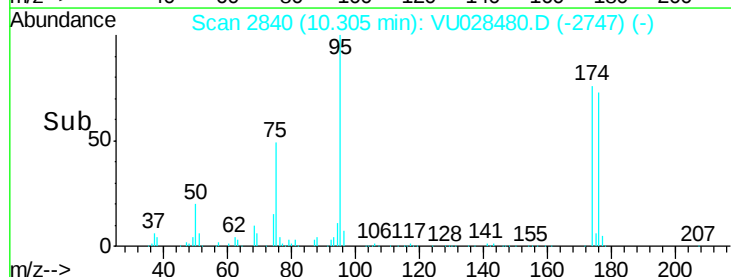
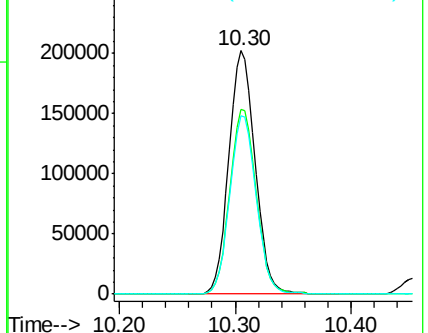
176 73.6 0.0 140.8

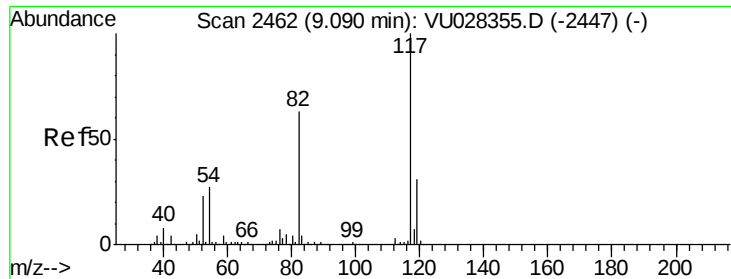


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





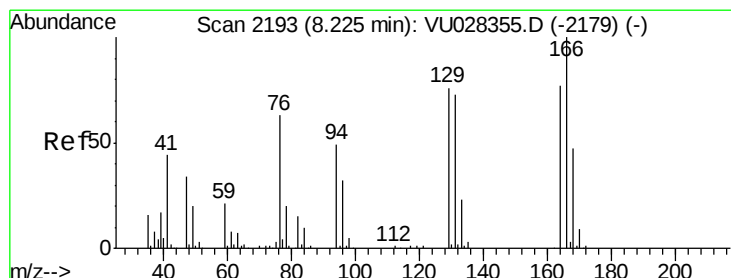
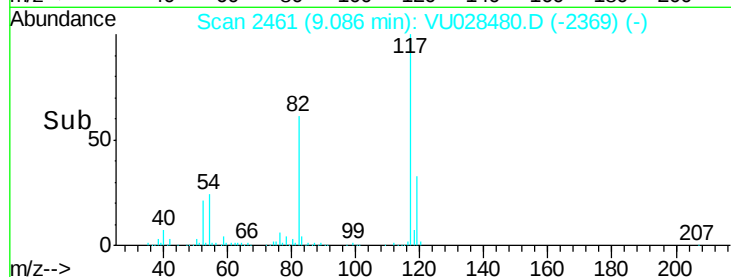
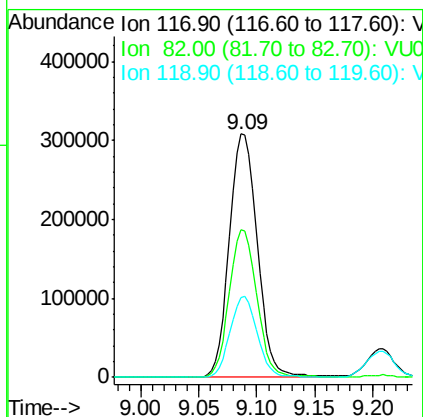
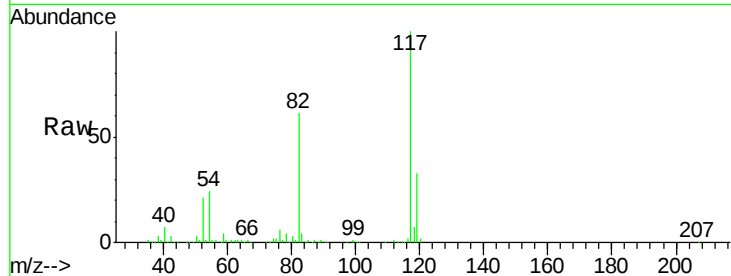
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	519183		
82	60.7	50.3	75.5	
119	32.6	24.8	37.2	

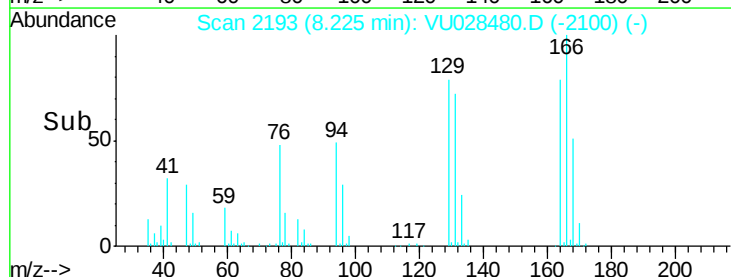
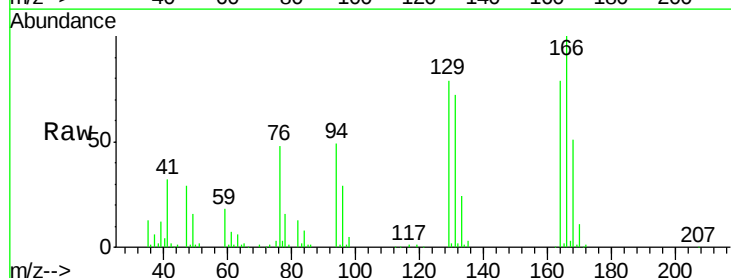
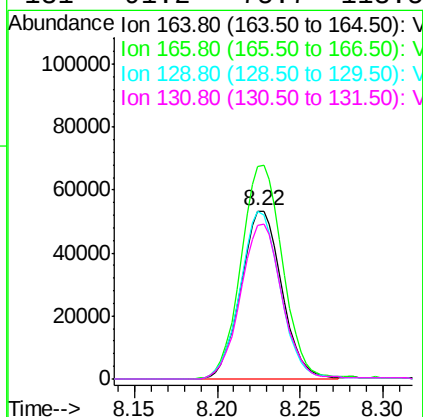
Manual Integrations
APPROVED

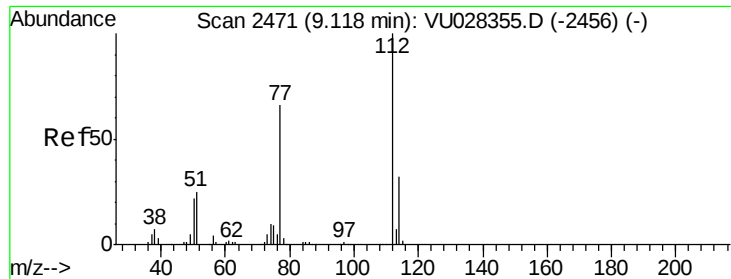
MMDadoda
12/6/2018 4:53:20 PM



#64
Tetrachloroethene
Concen: 26.873 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91775		
166	126.2	104.0	156.0	
129	100.0	79.2	118.8	
131	91.2	75.7	113.5	





#65

Chlorobenzene

Concen: 23.239 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBSD01

Tgt Ion:112 Resp: 250522

Ion Ratio Lower Upper

112 100

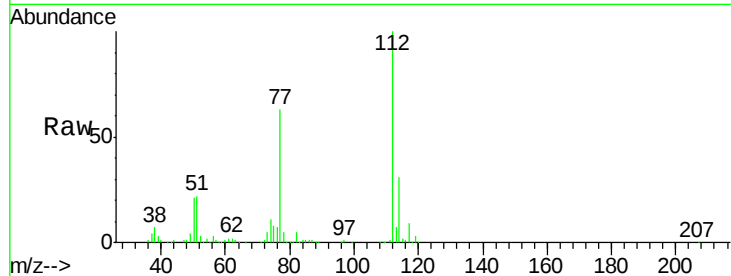
114 30.8 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

12/6/2018 4:53:20 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

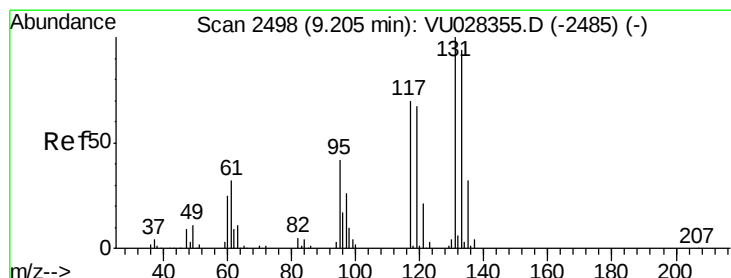
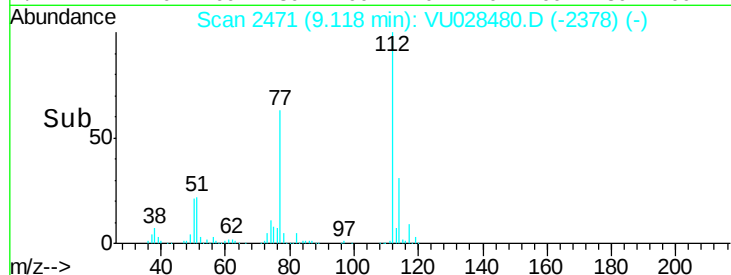
150000

100000

50000

0

Time--> 9.00 9.10 9.20



#66

1,1,1,2-Tetrachloroethane

Concen: 22.441 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

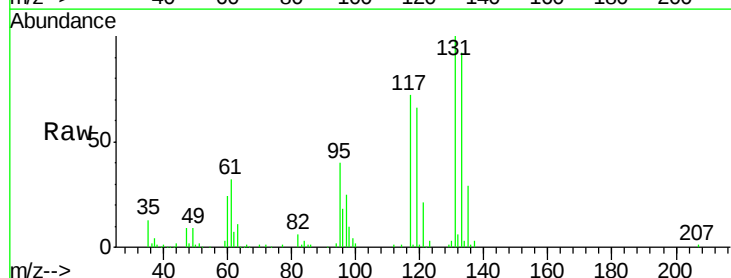
Tgt Ion:131 Resp: 82924

Ion Ratio Lower Upper

131 100

133 94.8 47.3 141.8

119 68.9 34.1 102.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.21

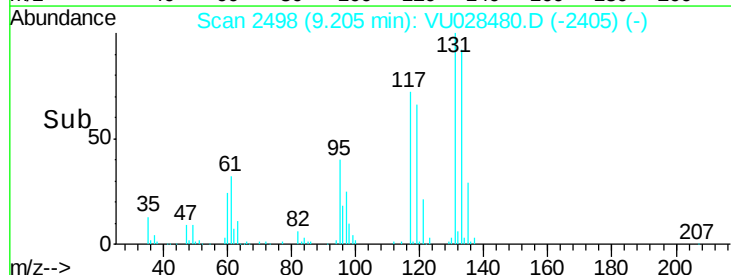
60000

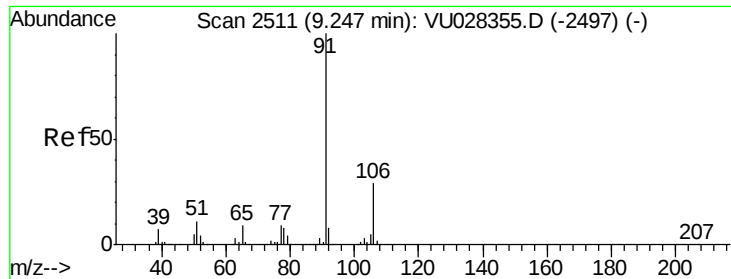
40000

20000

0

Time--> 9.15 9.20 9.25 9.30





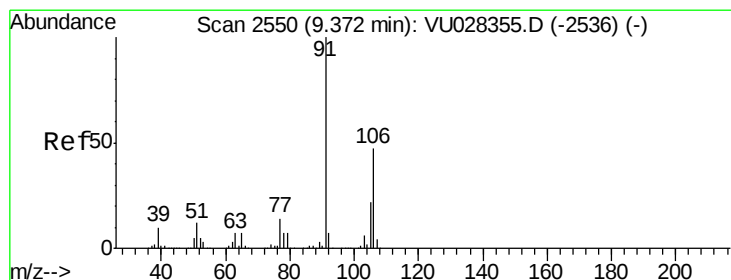
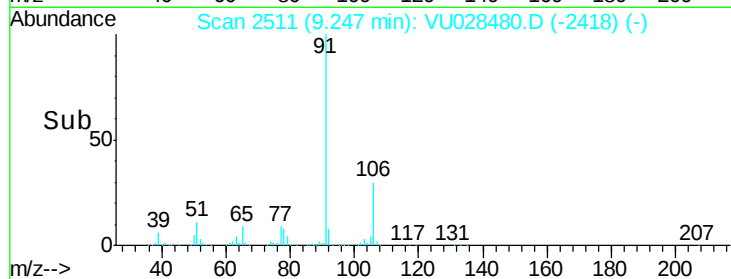
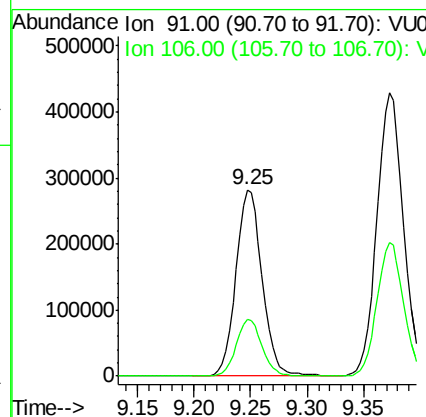
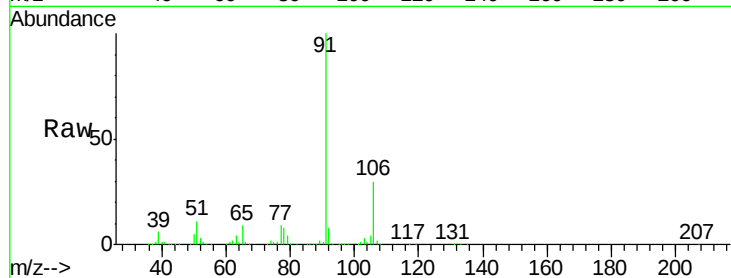
#67
Ethyl Benzene
Concen: 22.478 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion: 91 Resp: 456390
Ion Ratio Lower Upper
91 100
106 30.2 23.3 34.9

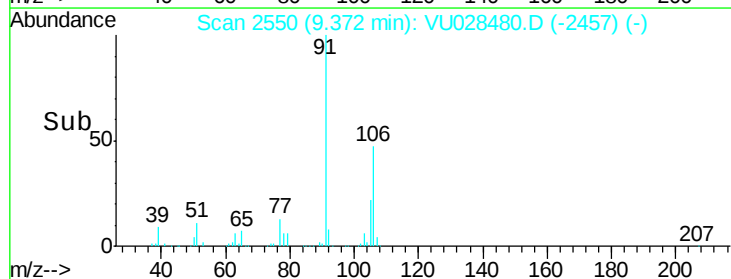
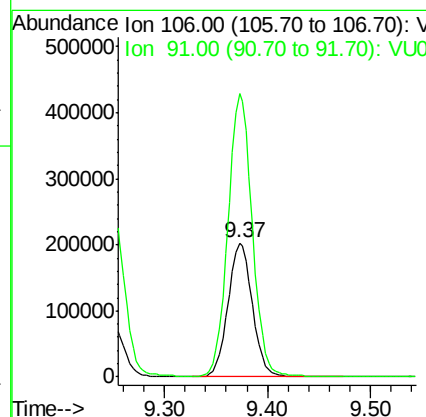
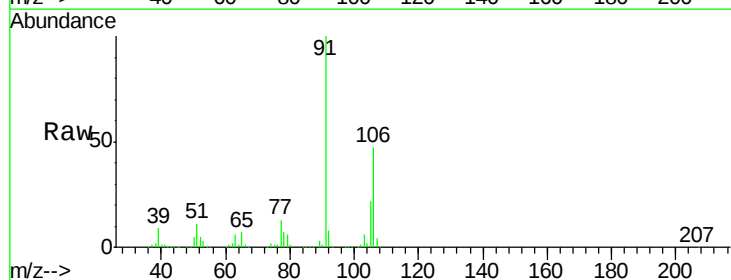
Manual Integrations
APPROVED

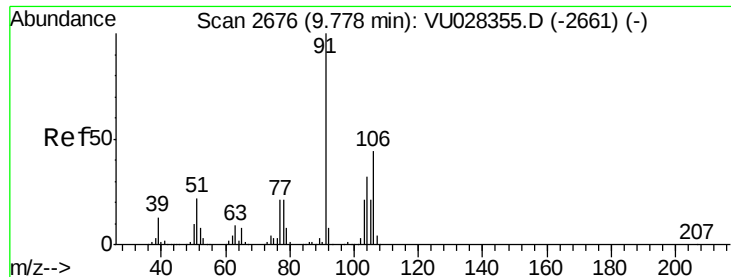
MMDadoda
12/6/2018 4:53:20 PM



#68
m/p-Xylenes
Concen: 45.549 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion: 106 Resp: 332879
Ion Ratio Lower Upper
106 100
91 210.4 171.0 256.6





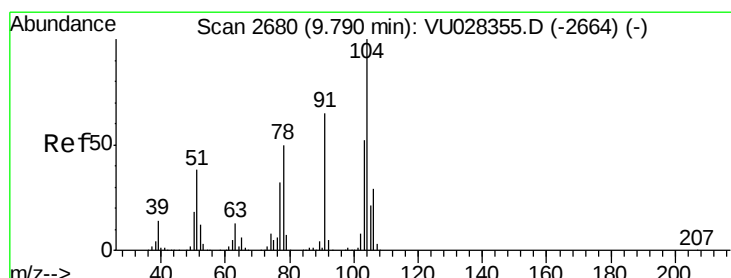
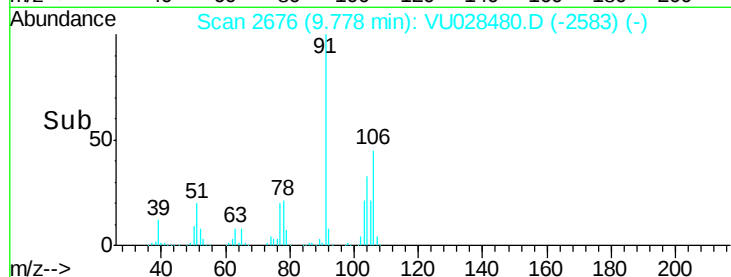
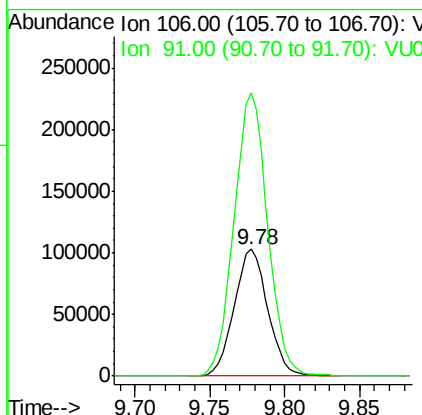
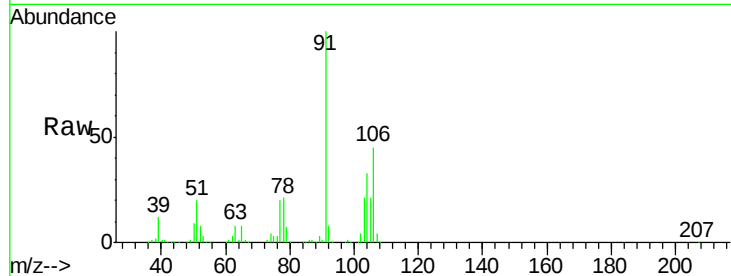
#69
o-Xylene
Concen: 22.138 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	223.8	112.7	338.0

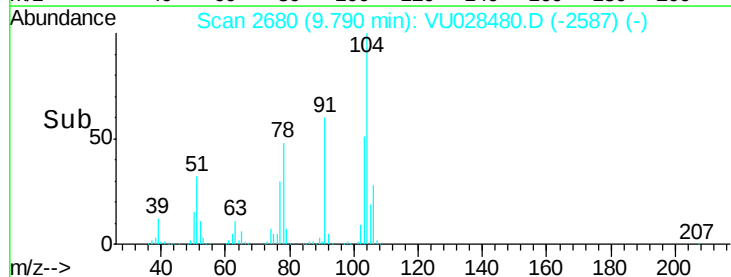
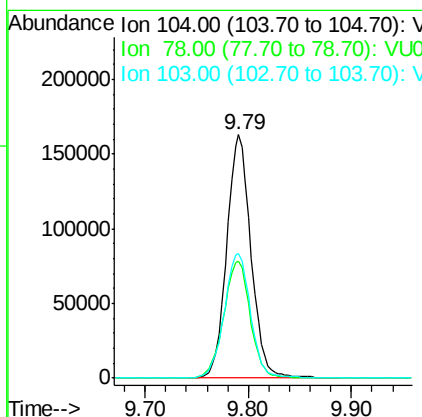
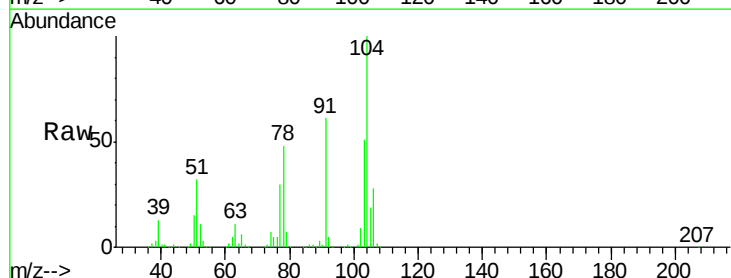
Manual Integrations
APPROVED

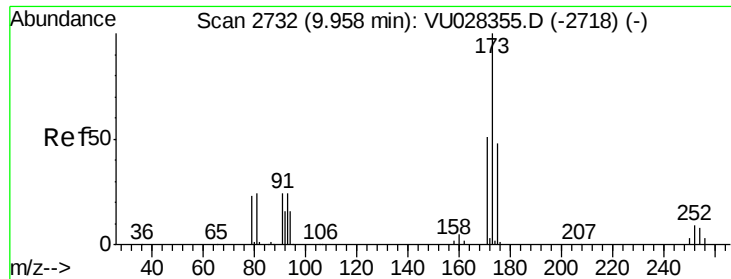
MMDadoda
12/6/2018 4:53:20 PM



#70
Styrene
Concen: 22.786 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.8	43.3	64.9
103	55.5	44.8	67.2





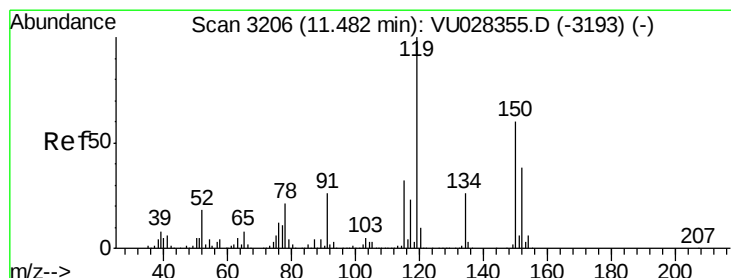
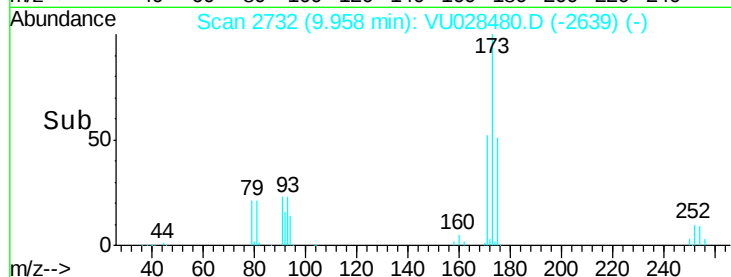
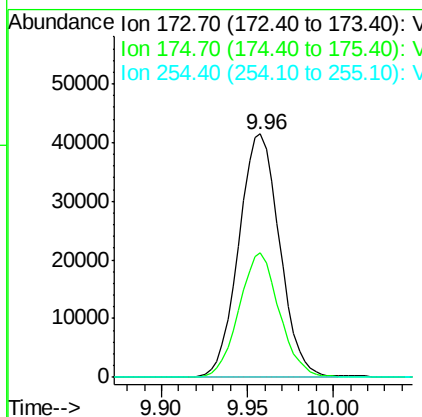
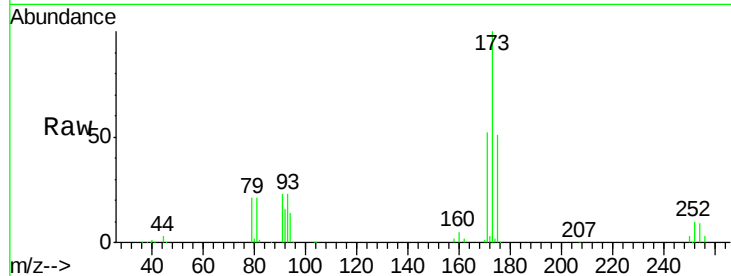
#71
Bromoform
Concen: 22.072 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.1	72.4
254	0.0	0.0	0.0

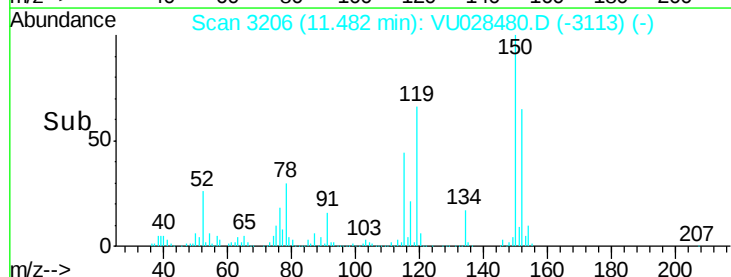
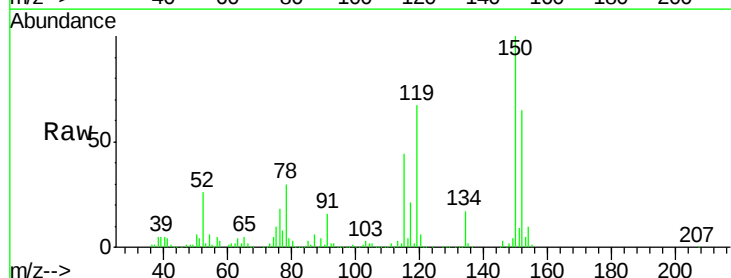
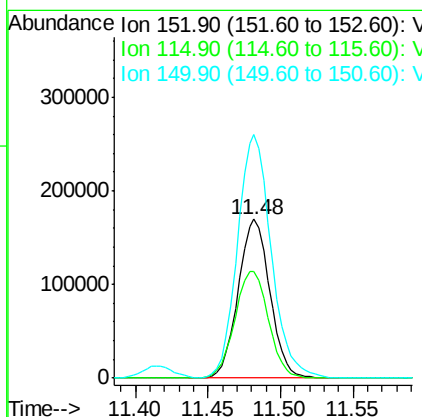
Manual Integrations
APPROVED

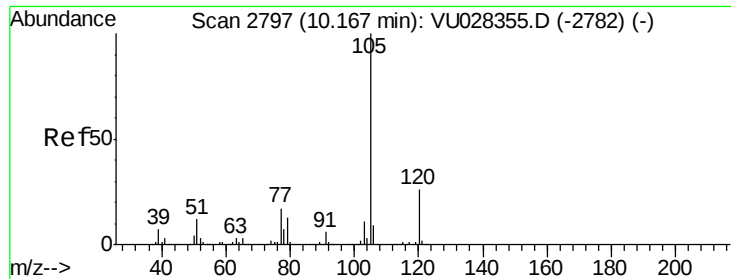
MMDadoda
12/6/2018 4:53:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.4	45.0	134.8
150	163.3	0.0	349.2





#73

Isopropylbenzene

Concen: 21.660 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBSD01

Tgt Ion: 105 Resp: 433397

Ion Ratio Lower Upper

105 100

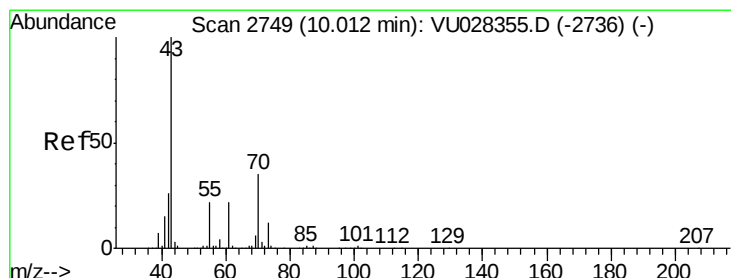
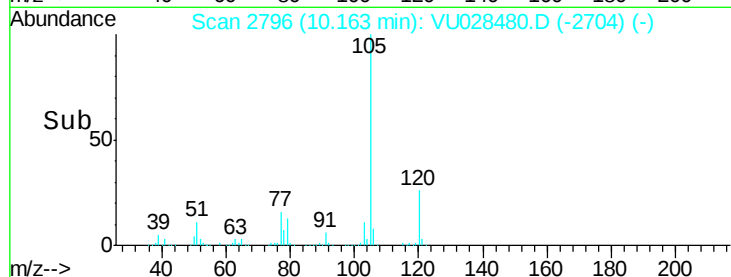
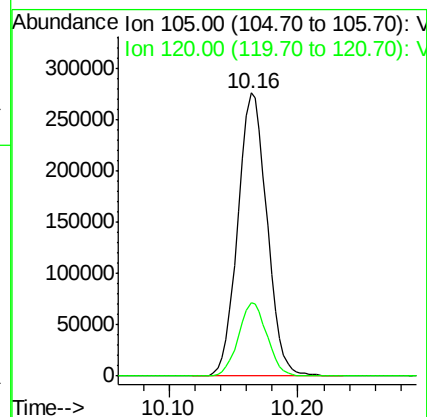
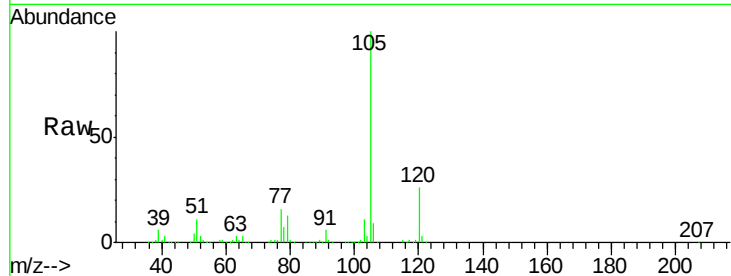
120 25.5 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

12/6/2018 4:53:20 PM



#74

N-ethyl acetate

Concen: 18.719 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Tgt Ion: 43 Resp: 234671

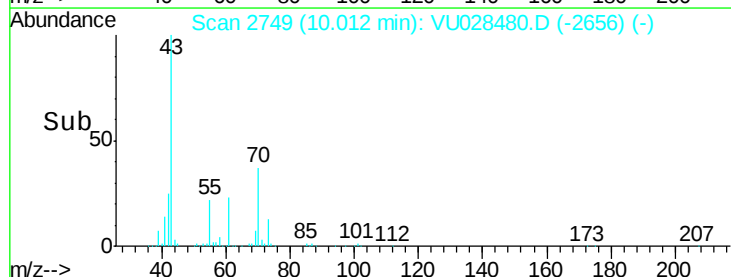
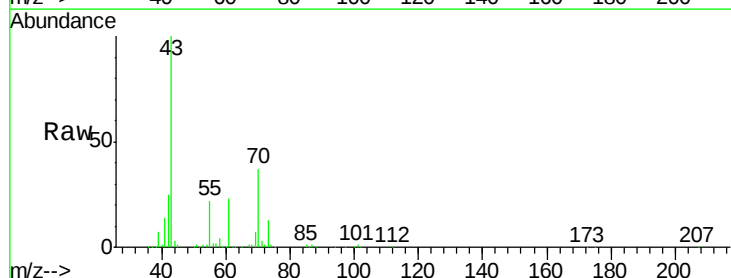
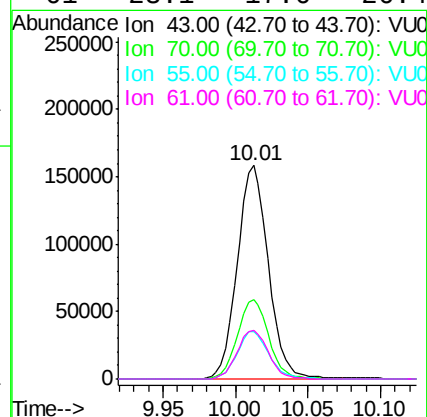
Ion Ratio Lower Upper

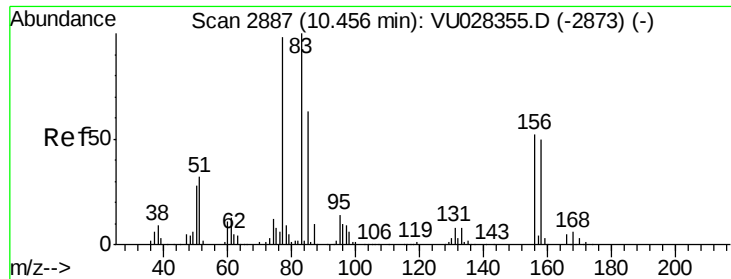
43 100

70 37.8 28.4 42.6

55 22.8 18.0 27.0

61 23.1 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.918 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

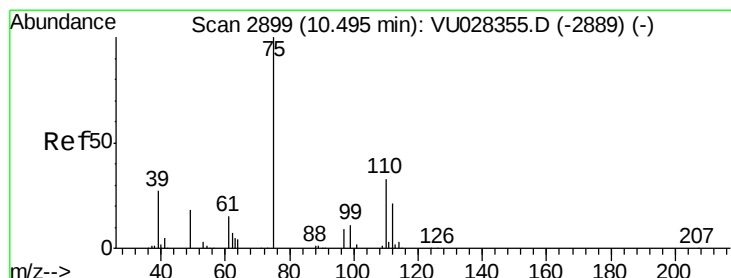
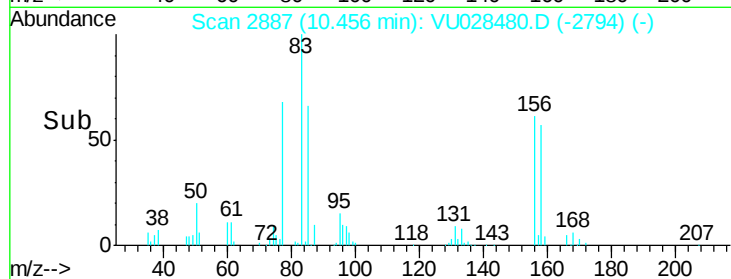
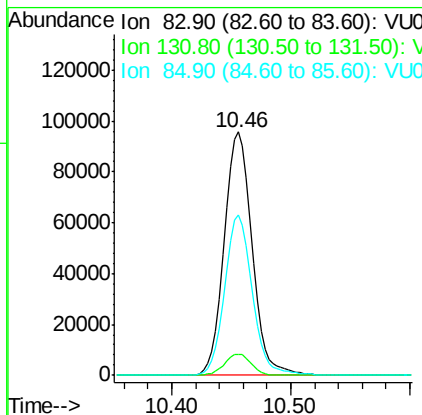
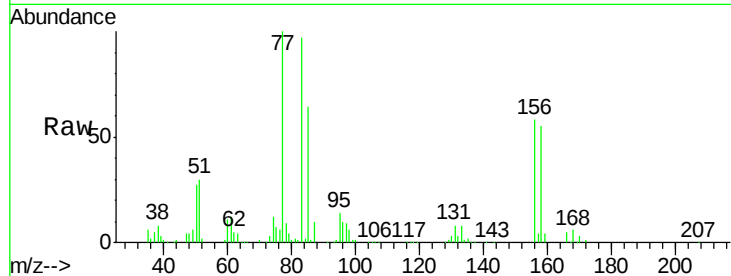
ClientSampleId :

VU1205WBSD01

Tgt Ion:	83	Resp:	155663
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.0	12.2
85	65.3	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:20 PM



#76

1,2,3-Trichloropropane

Concen: 20.837 ug/l m

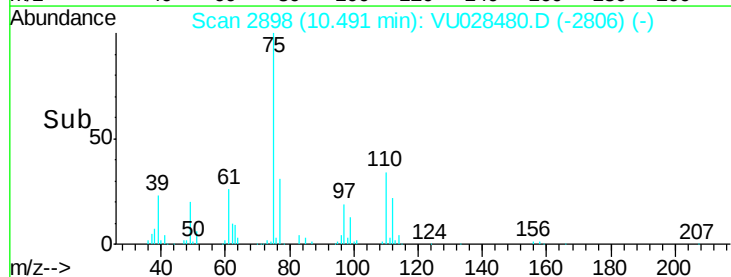
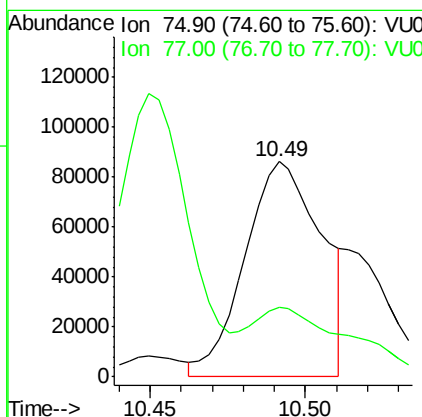
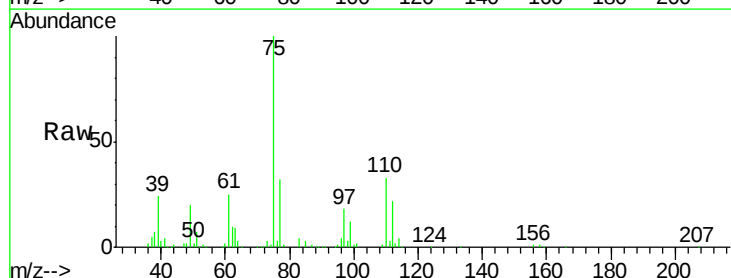
RT: 10.49 min Scan# 2898

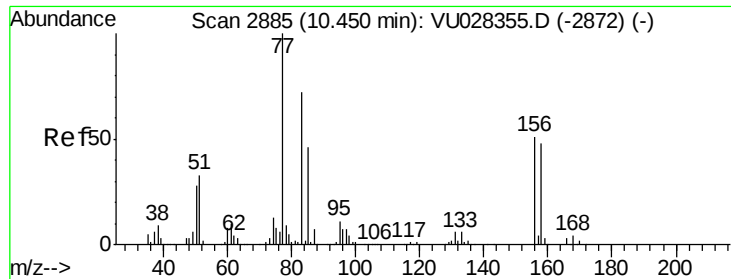
Delta R.T. -0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Tgt Ion:	75	Resp:	148653
Ion Ratio	Lower	Upper	
75	100		
77	41.0	22.4	67.0





#77

Bromobenzene

Concen: 22.038 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

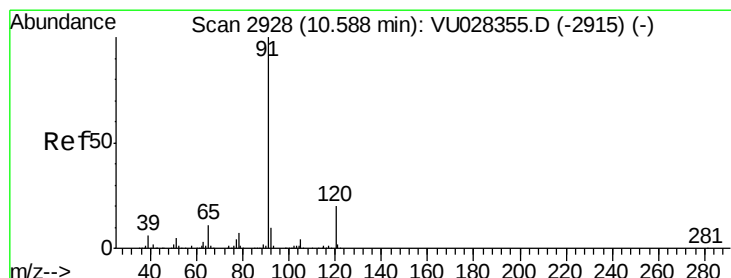
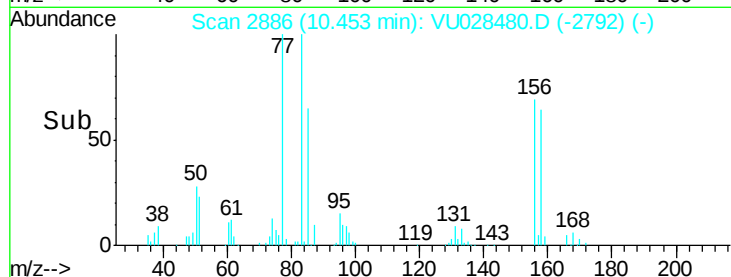
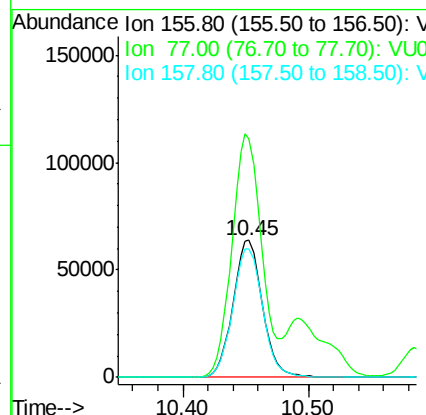
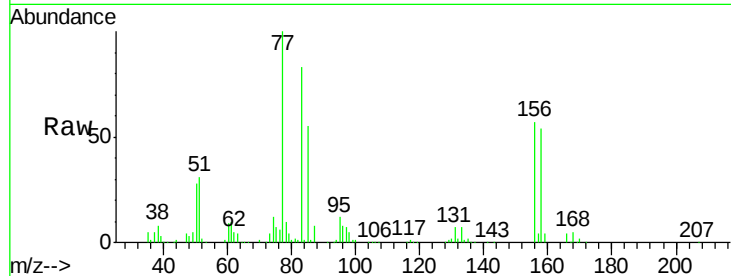
ClientSampleId :

VU1205WBSD01

Tgt Ion:	156	Resp:	103904
Ion Ratio	Lower	Upper	
156	100		
77	177.5	97.0	290.9
158	95.9	46.8	140.4

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:20 PM



#78

n-propylbenzene

Concen: 21.498 ug/l

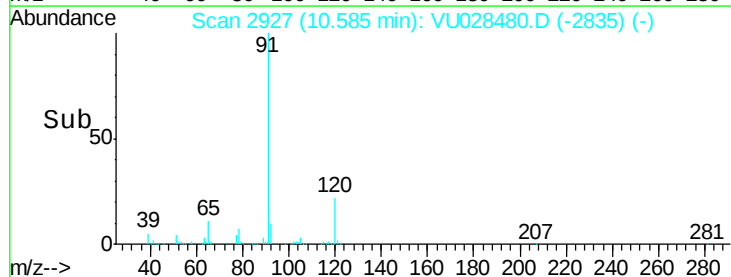
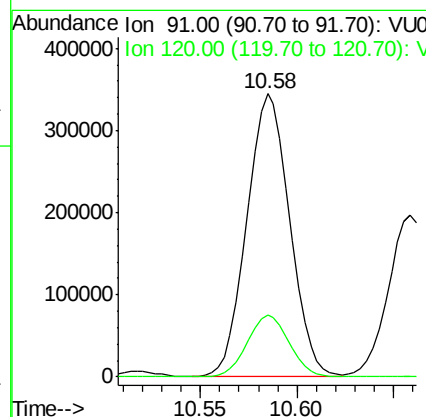
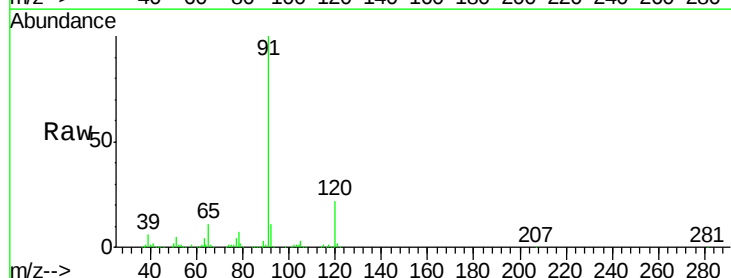
RT: 10.58 min Scan# 2927

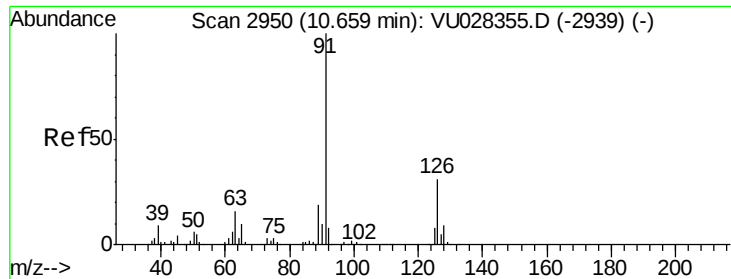
Delta R.T. -0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Tgt Ion:	91	Resp:	530658
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.3	30.8





#79

2-Chlorotoluene

Concen: 21.145 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBSD01

Tgt Ion: 91 Resp: 307681

Ion Ratio Lower Upper

91 100

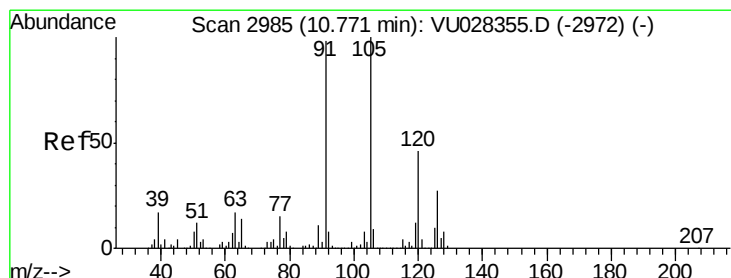
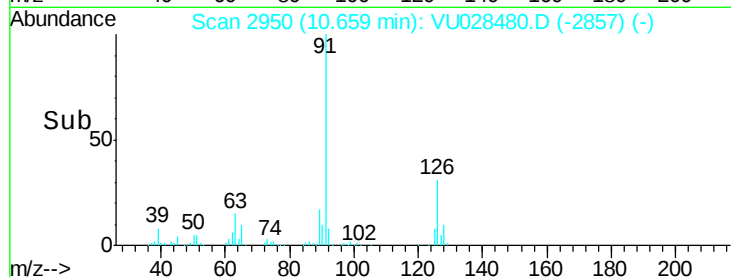
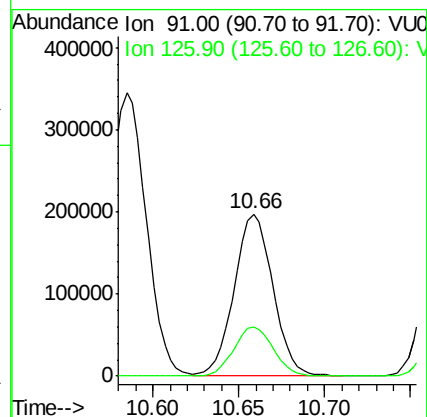
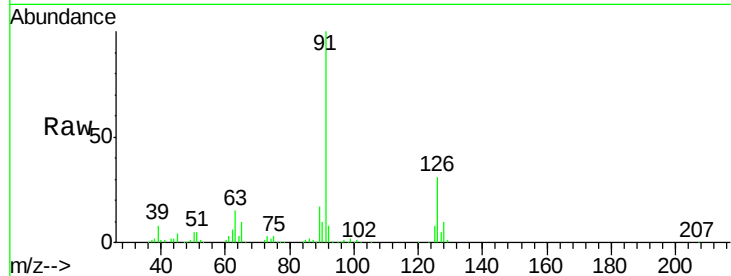
126 31.5 15.4 46.1

Manual Integrations

APPROVED

MMDadoda

12/6/2018 4:53:20 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.445 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028480.D

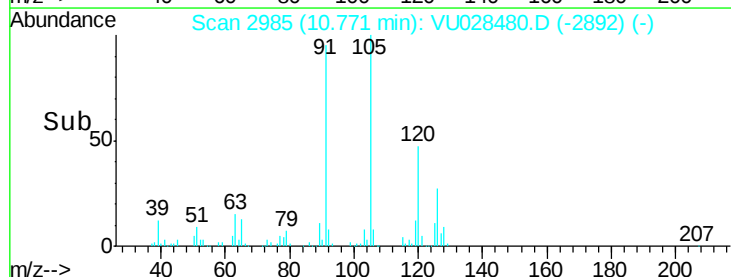
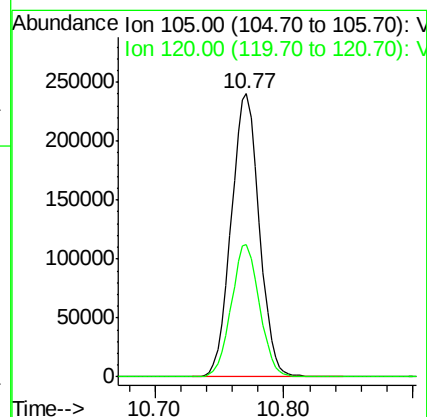
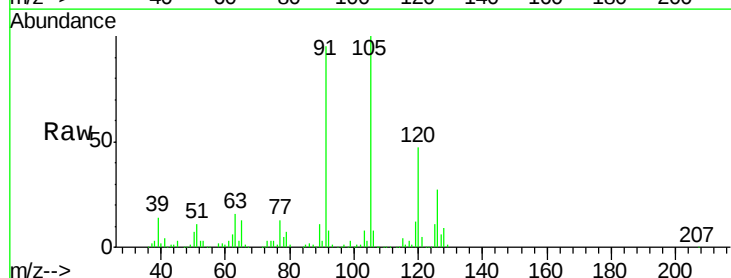
Acq: 05 Dec 2018 15:11

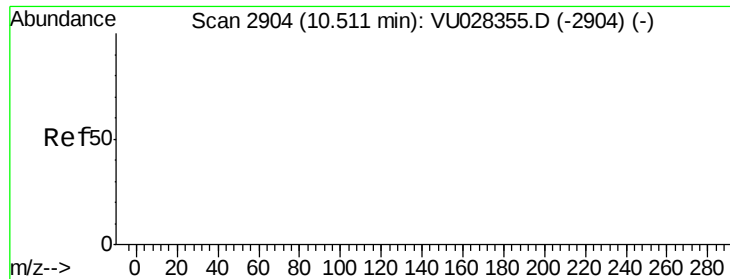
Tgt Ion: 105 Resp: 361601

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.653 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

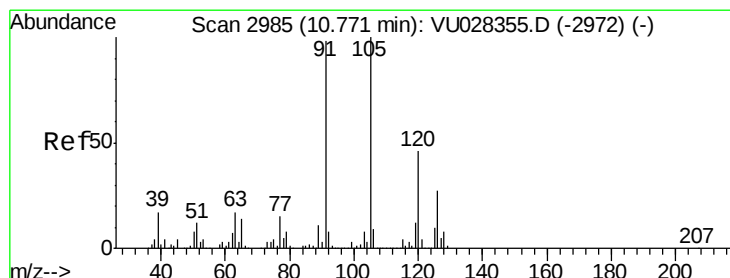
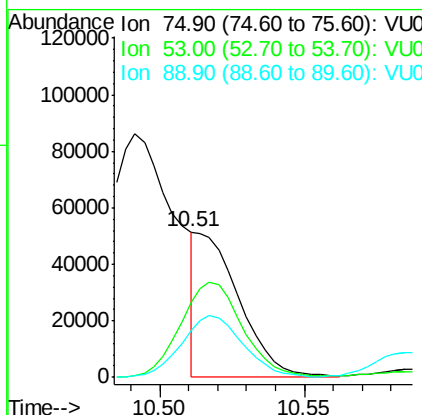
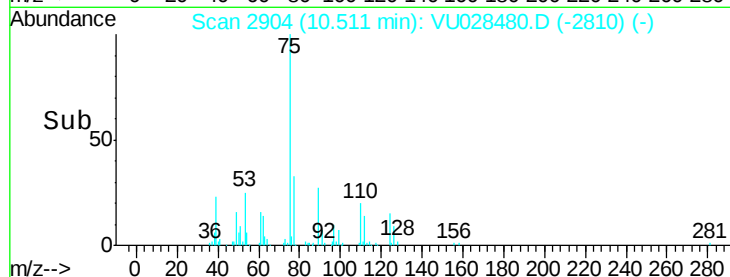
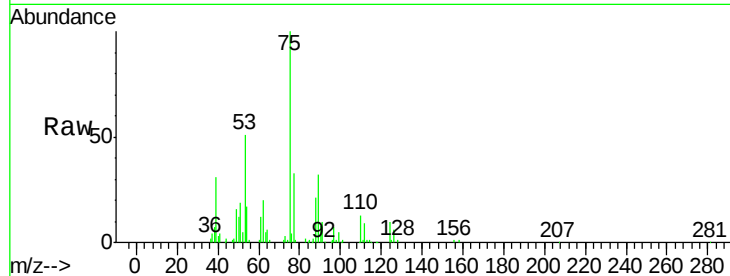
ClientSampleId :

VU1205WBSD01

Tgt Ion:	75	Resp:	52820
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:20 PM



#82

4-Chlorotoluene

Concen: 21.128 ug/l

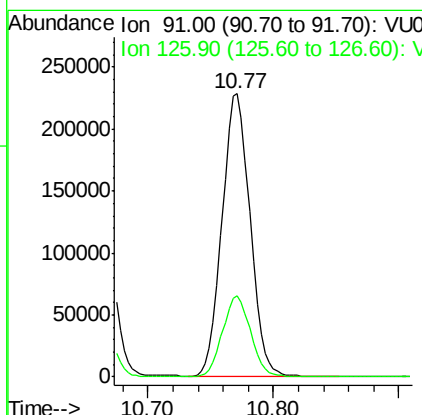
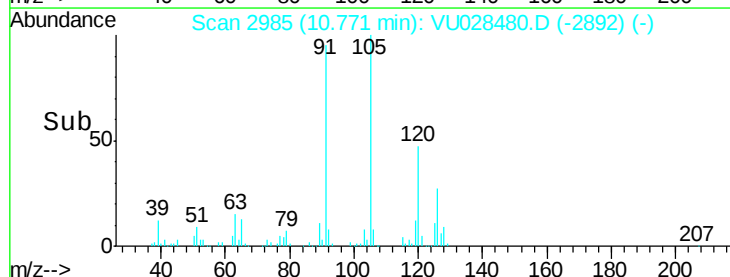
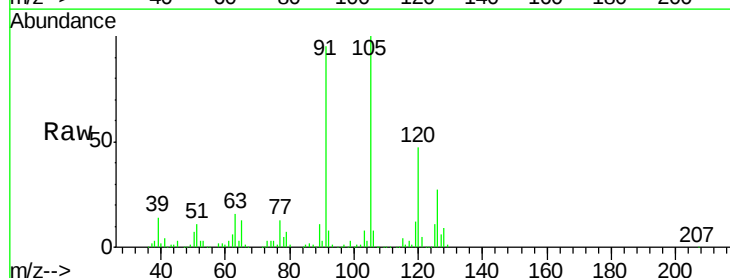
RT: 10.77 min Scan# 2985

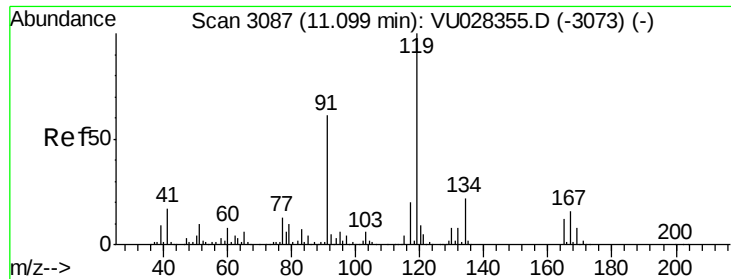
Delta R.T. 0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Tgt Ion:	91	Resp:	354207
Ion Ratio	Lower	Upper	
91	100		
126	28.8	13.9	41.6





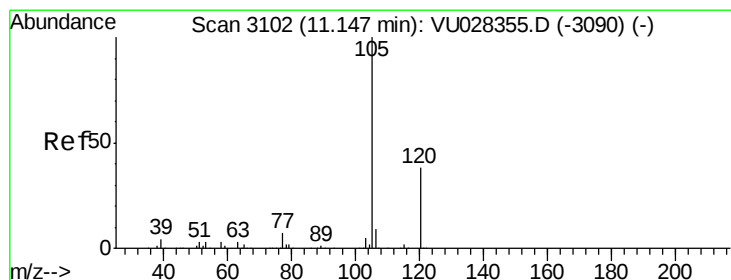
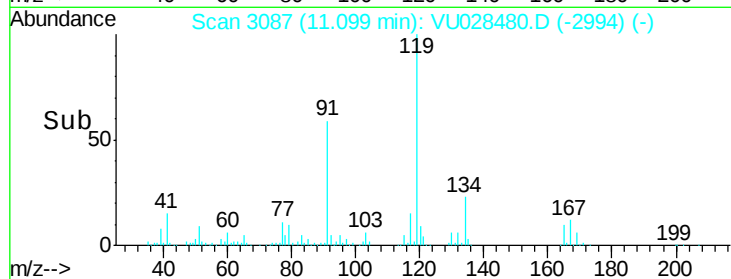
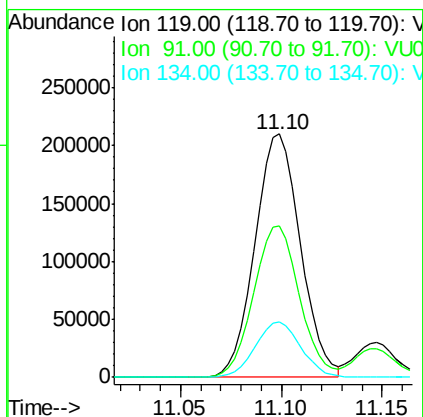
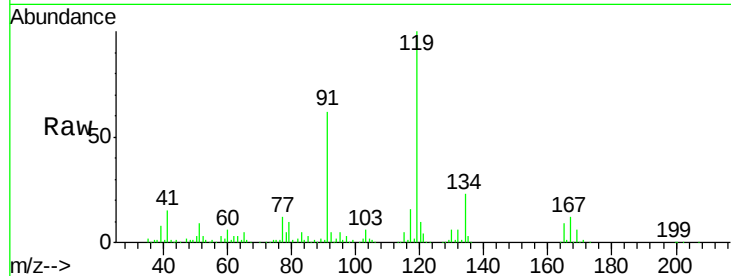
#83
 tert-Butylbenzene
 Concen: 21.043 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	330764		
91	62.7	30.8	92.4	
134	22.9	11.1	33.1	

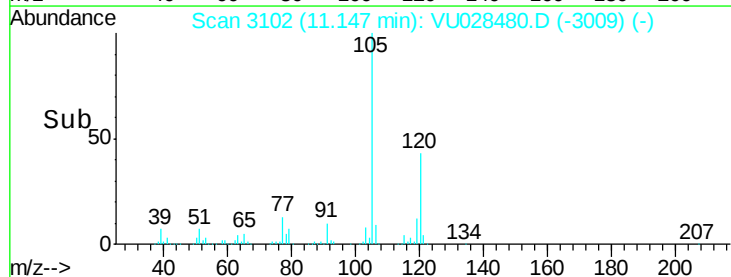
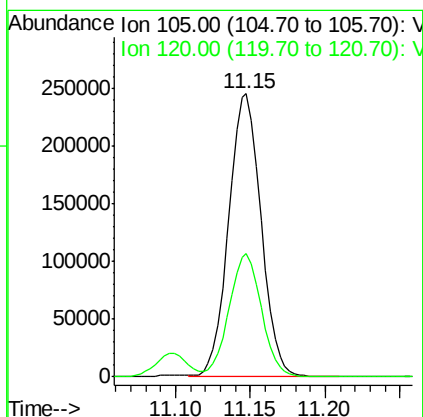
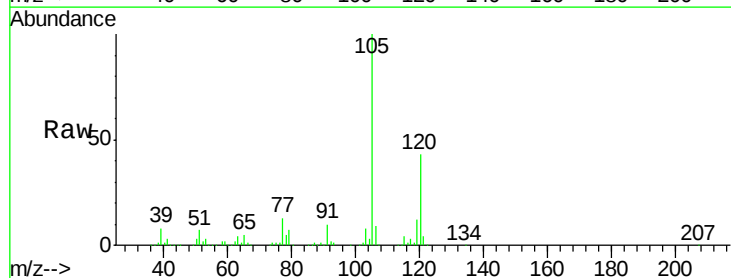
Manual Integrations
 APPROVED

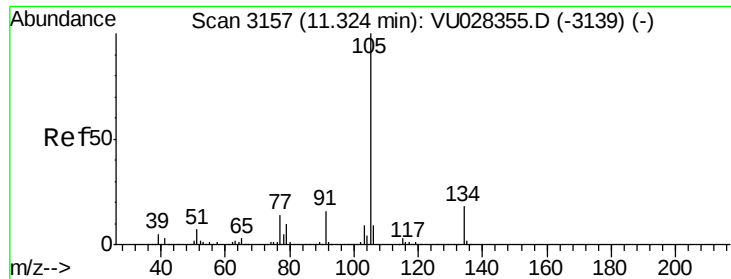
MMDadoda
 12/6/2018 4:53:20 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.652 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	369787		
120	43.5	21.4	64.3	





#85

sec-Butylbenzene

Concen: 21.949 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBSD01

Tgt Ion:105 Resp: 448102

Ion Ratio Lower Upper

105 100

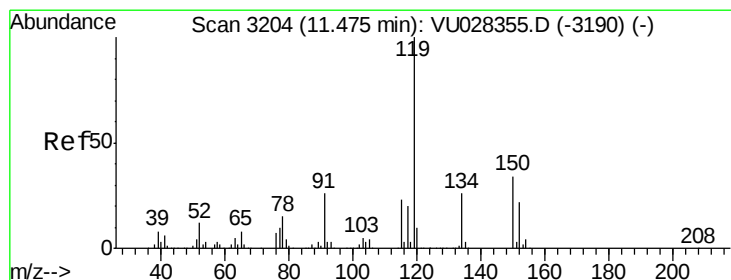
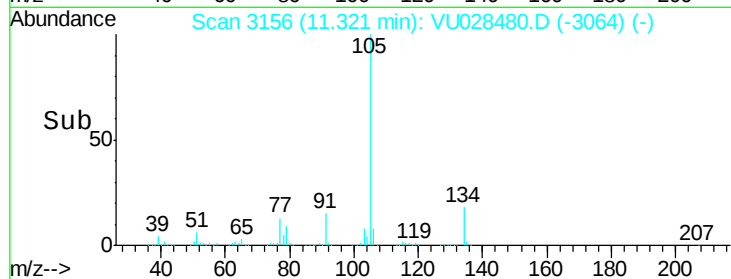
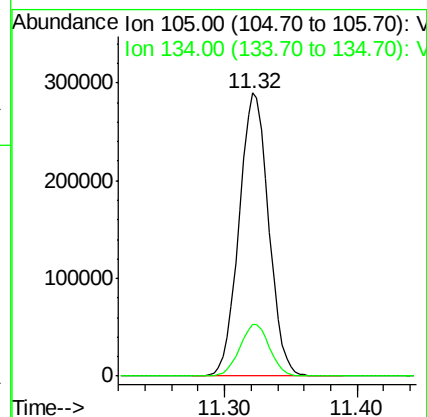
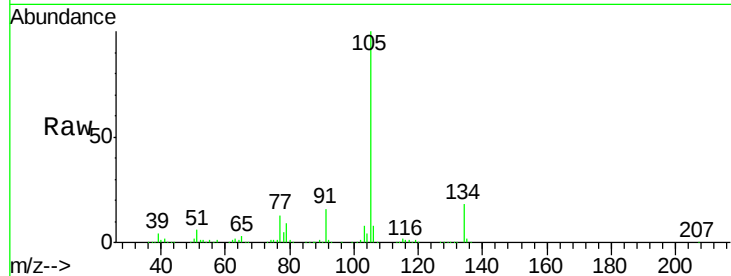
134 18.4 9.3 27.7

Manual Integrations

APPROVED

MMDadoda

12/6/2018 4:53:20 PM



#86

p-Isopropyltoluene

Concen: 22.145 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU028480.D

Acq: 05 Dec 2018 15:11

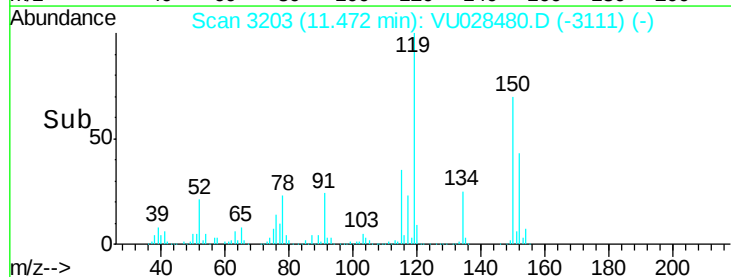
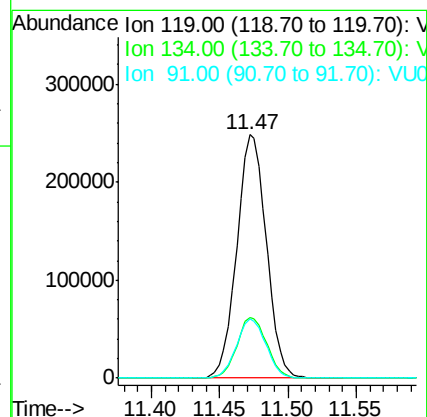
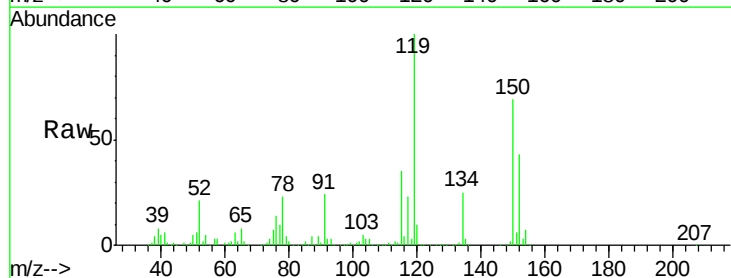
Tgt Ion:119 Resp: 371736

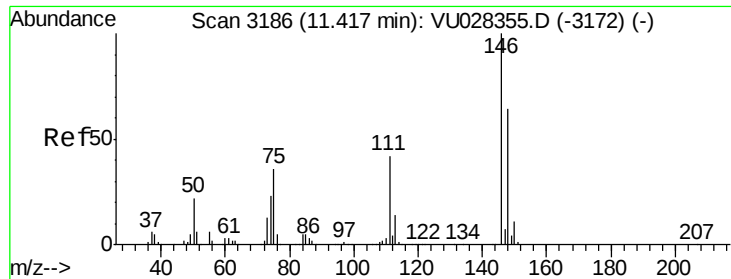
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

91 24.5 13.1 39.1





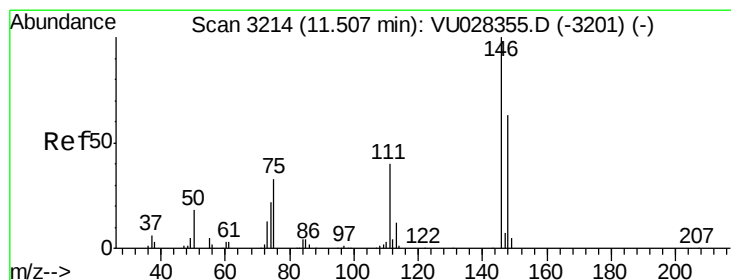
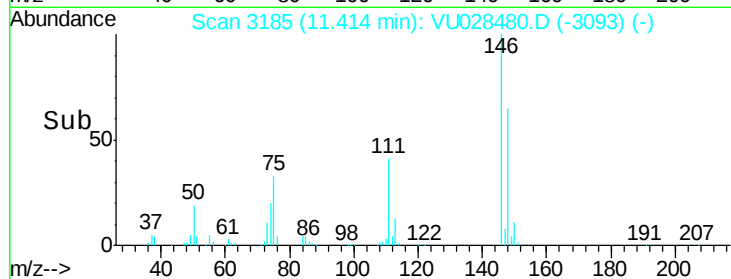
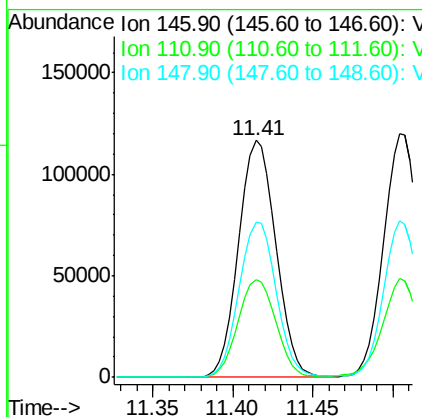
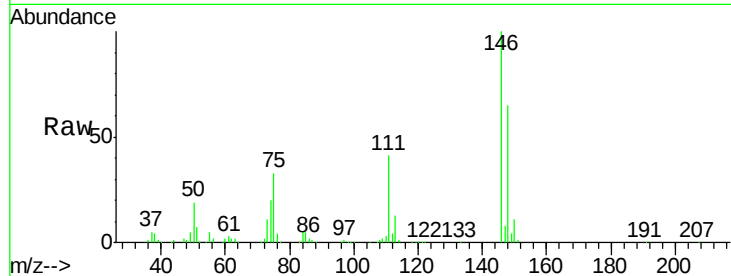
#87
 1,3-Dichlorobenzene
 Concen: 21.603 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	185765		
111	41.9	20.8	62.4	
148	65.3	31.8	95.3	

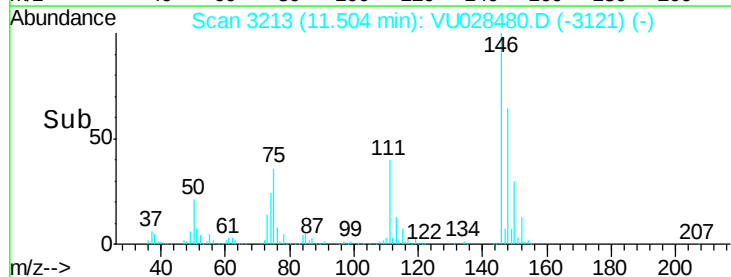
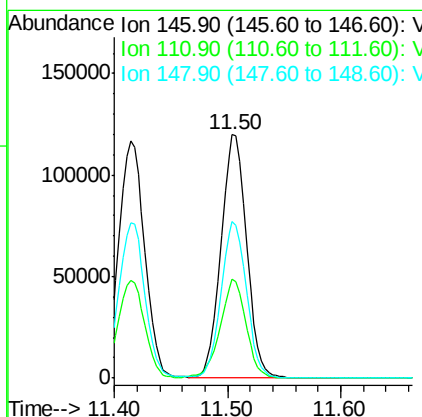
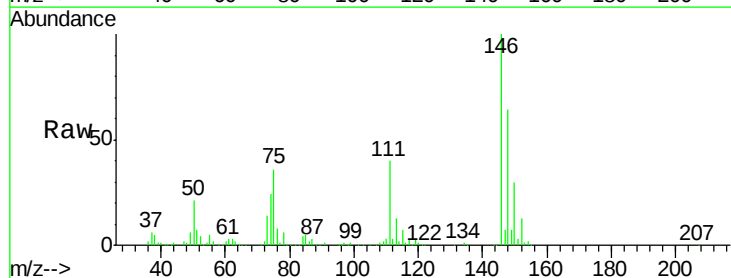
Manual Integrations
 APPROVED

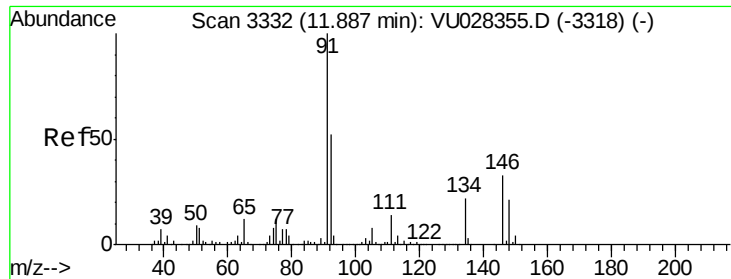
MMDadoda
 12/6/2018 4:53:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.909 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	189609		
111	40.6	20.6	61.9	
148	63.3	31.1	93.5	





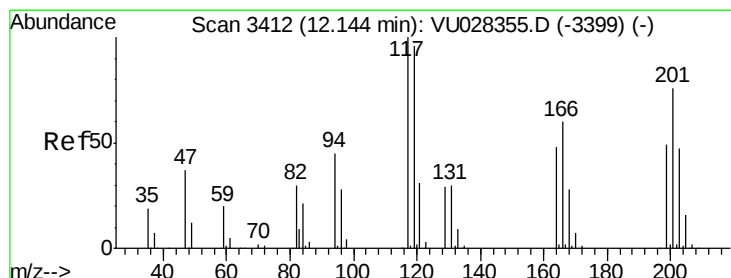
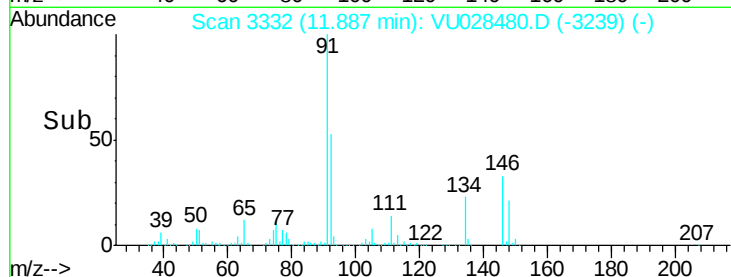
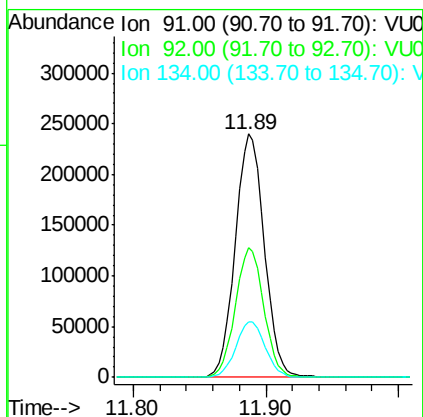
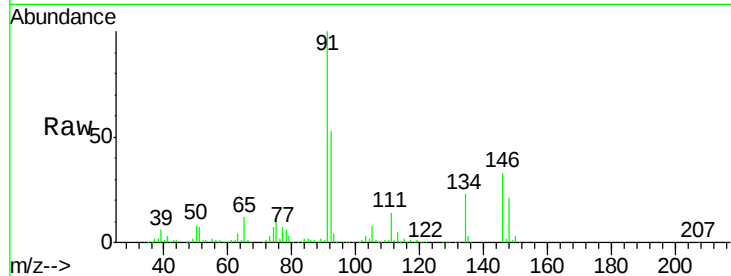
#89
n-Butylbenzene
Concen: 22.051 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion: 91 Resp: 365330
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.5
134 23.2 11.1 33.1

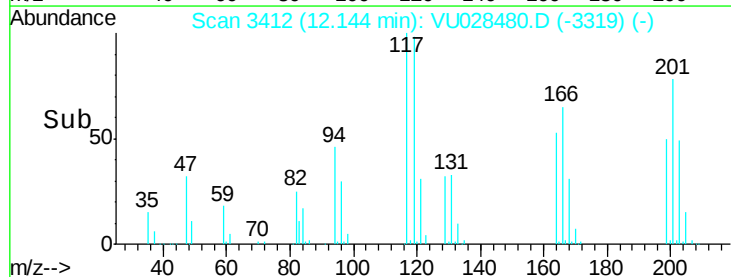
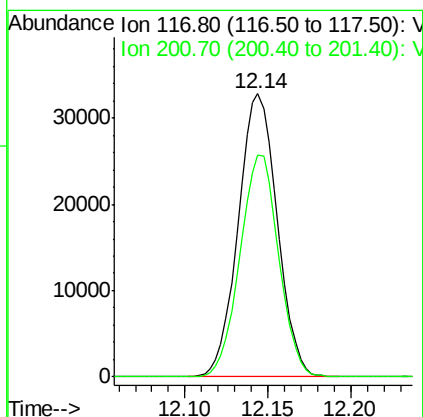
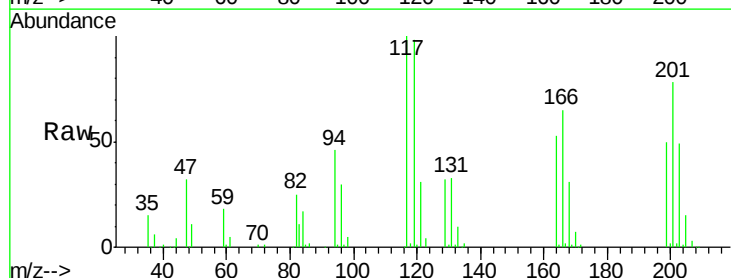
Manual Integrations
APPROVED

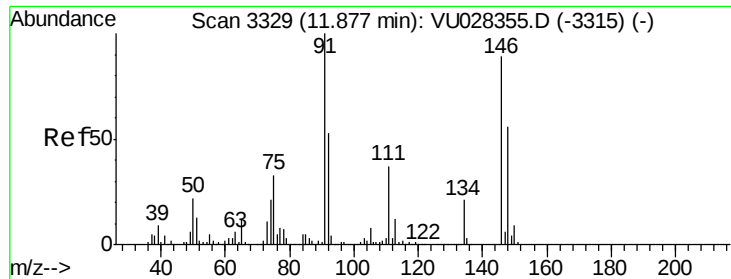
MMDadoda
12/6/2018 4:53:20 PM



#90
Hexachloroethane
Concen: 20.431 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion: 117 Resp: 53546
Ion Ratio Lower Upper
117 100
201 77.7 37.7 113.1





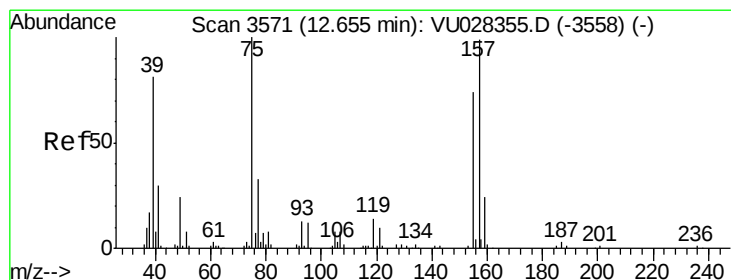
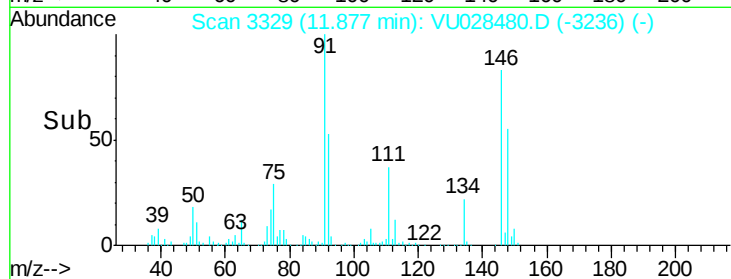
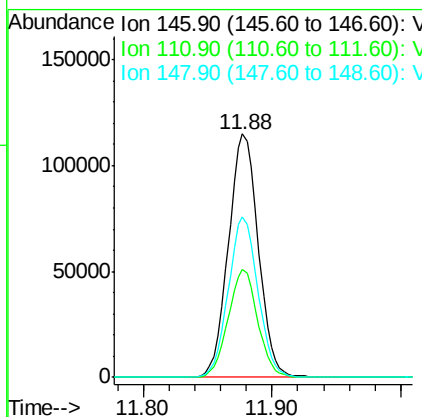
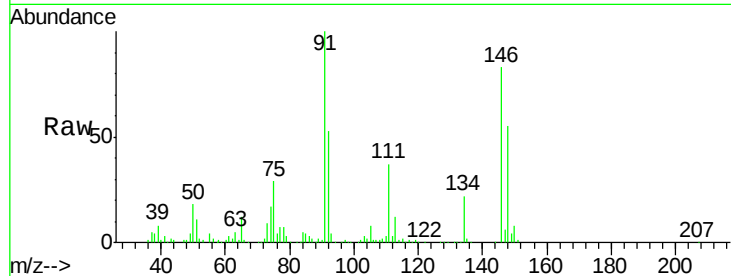
#91
 1,2-Dichlorobenzene
 Concen: 21.507 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.4	64.3
148	65.6	32.2	96.6

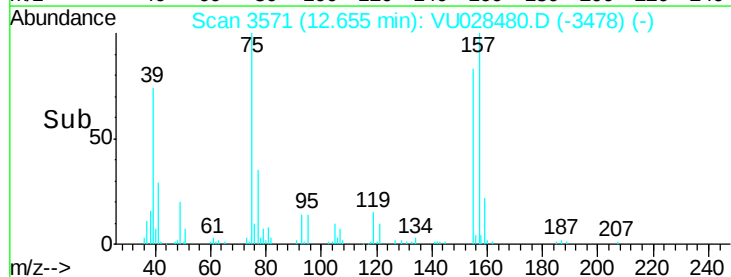
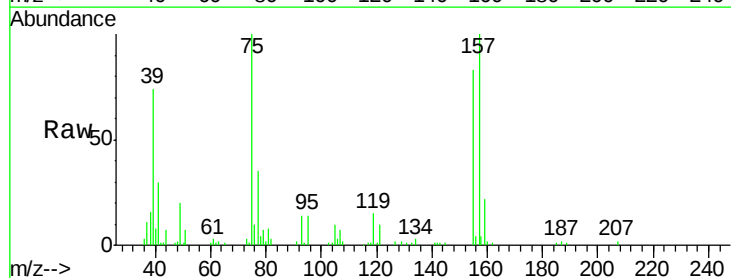
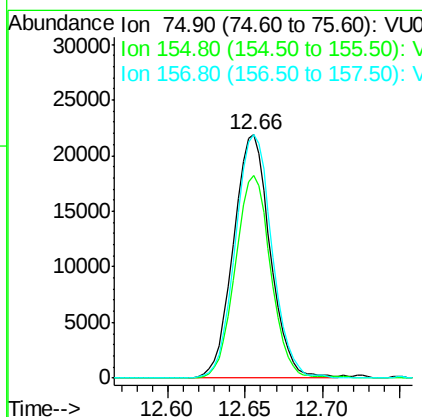
Manual Integrations
 APPROVED

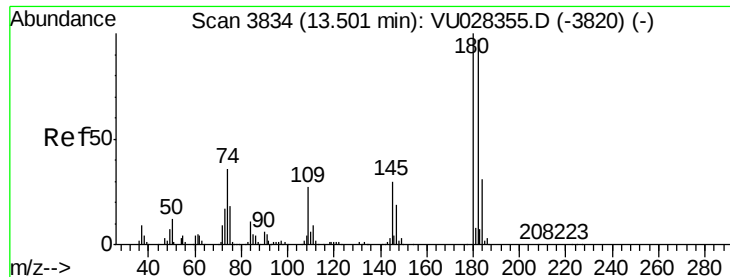
MMDadoda
 12/6/2018 4:53:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.759 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	36.9	110.7
157	99.7	47.5	142.5





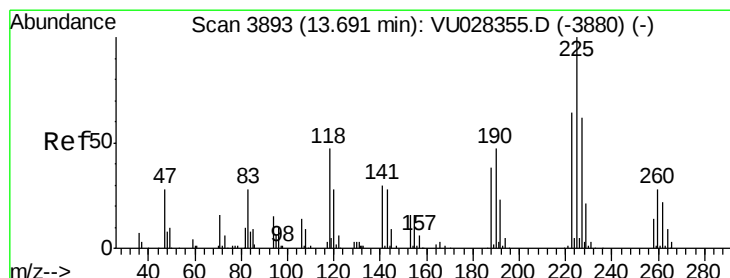
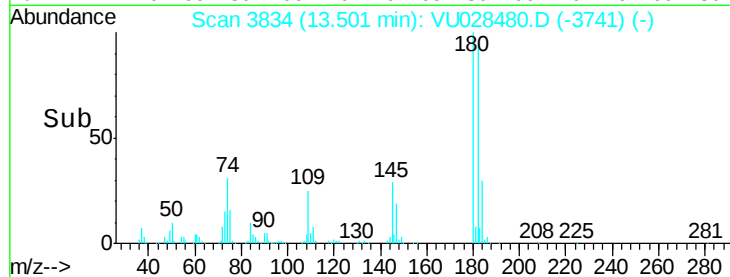
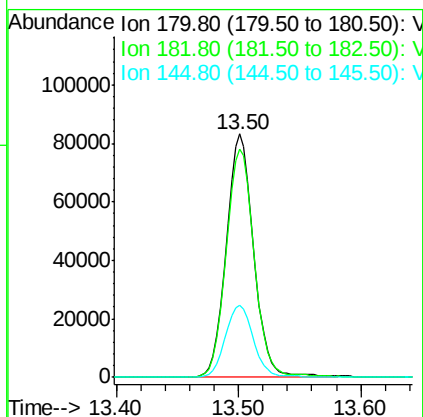
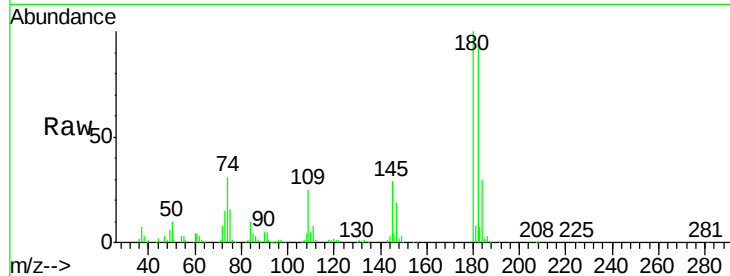
#93
 1,2,4-Trichlorobenzene
 Concen: 23.313 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	130920		
182	96.7	48.3	144.9	
145	30.6	15.2	45.5	

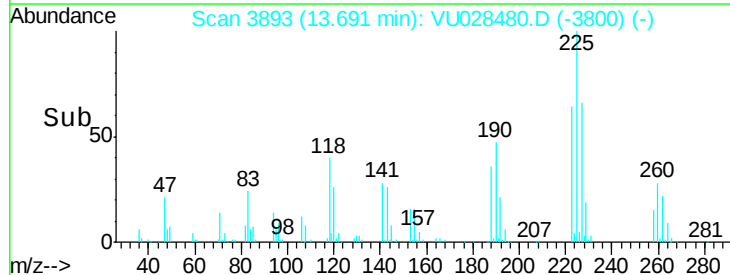
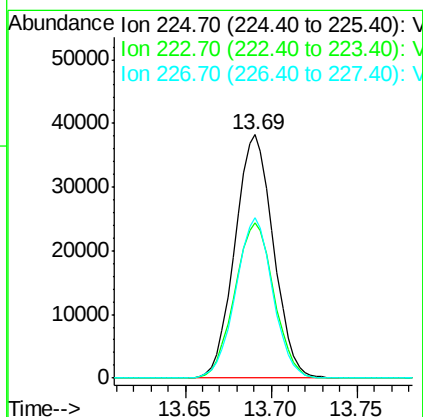
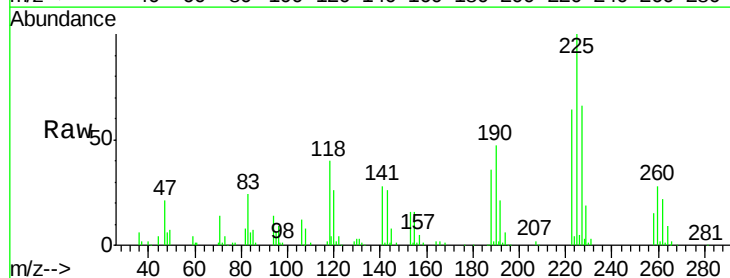
Manual Integrations
 APPROVED

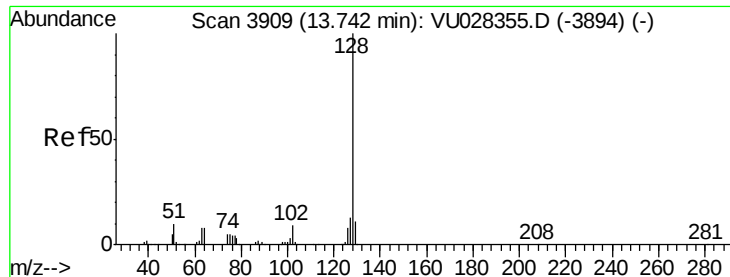
MMDadoda
 12/6/2018 4:53:20 PM



#94
 Hexachlorobutadiene
 Concen: 22.388 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028480.D
 Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59367		
223	65.0	31.6	94.7	
227	63.3	30.8	92.4	





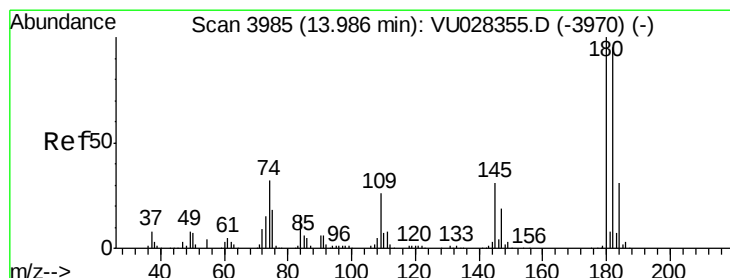
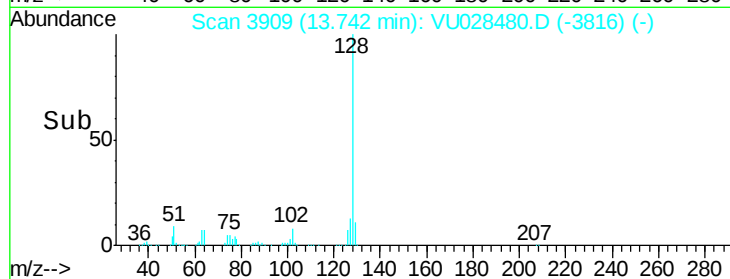
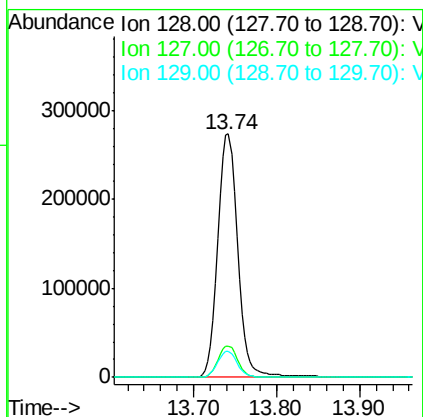
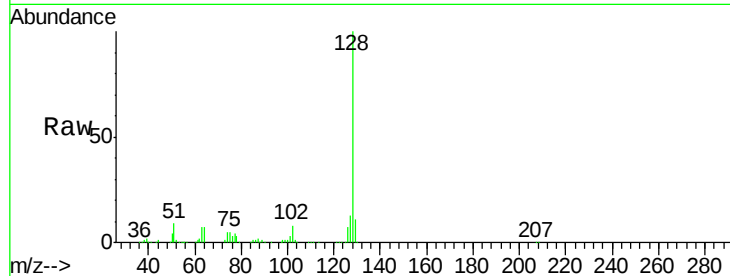
#95
Naphthalene
Concen: 22.825 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 23.425 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028480.D
Acq: 05 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.7	143.1
145	31.4	15.7	47.1

