

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028575.D
 Acq On : 11 Dec 2018 01:14
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:01 PM

Quant Time: Dec 11 04:35:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	147631	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	66375	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	4.88	113	47421	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	7.57	98	189651	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	10.30	95	68606	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	55860	49.911	ug/l	99
3) Chloromethane	1.33	50	100058	48.628	ug/l	98
4) Vinyl Chloride	1.40	62	74256	50.007	ug/l	100
5) Bromomethane	1.61	94	30774	51.448	ug/l	99
6) Chloroethane	1.68	64	42457	50.505	ug/l	98
7) Trichlorofluoromethane	1.88	101	79346	50.789	ug/l	99
8) Diethyl Ether	2.10	74	34948	47.813	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	46884	50.178	ug/l	97
10) Methyl Iodide	2.41	142	42479	57.941	ug/l	100
11) Tert butyl alcohol	2.83	59	86613	305.085	ug/l	100
12) 1,1-Dichloroethene	2.28	96	46806	50.347	ug/l	98
13) Acrolein	2.19	56	56153	248.113	ug/l	100
14) Allyl chloride	2.59	41	107980	49.098	ug/l	99
15) Acrylonitrile	2.94	53	221308	280.780	ug/l	100
16) Acetone	2.32	43	182093	218.992	ug/l	97
17) Carbon Disulfide	2.48	76	160790	48.010	ug/l	100
18) Methyl Acetate	2.61	43	124417	57.721	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	182846	51.882	ug/l	100
20) Methylene Chloride	2.70	84	59401	48.460	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	50942	48.668	ug/l	98
22) Diisopropyl ether	3.57	45	230454	53.884	ug/l	98
23) Vinyl Acetate	3.52	43	948568	268.889	ug/l	99
24) 1,1-Dichloroethane	3.44	63	114461	51.127	ug/l	99
25) 2-Butanone	4.26	43	305144	268.533	ug/l	99
26) 2,2-Dichloropropane	4.22	77	77157	43.496	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	58358	49.258	ug/l	98
28) Bromochloromethane	4.55	49	58887	57.861	ug/l	95
29) Tetrahydrofuran	4.64	42	210549	288.503	ug/l	98
30) Chloroform	4.67	83	100051	51.276	ug/l	95
31) Cyclohexane	4.99	56	113266	51.890	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	83712	51.657	ug/l	98
36) 1,1-Dichloropropene	5.13	75	79372	49.131	ug/l	98
37) Ethyl Acetate	4.38	43	113213	54.211	ug/l	100
38) Carbon Tetrachloride	5.13	117	66683	51.212	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028575.D
 Acq On : 11 Dec 2018 01:14
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:01 PM

Quant Time: Dec 11 04:35:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	94003	47.696	ug/l	97
40) Benzene	5.39	78	241015	50.654	ug/l	99
41) Methacrylonitrile	4.54	41	64606	56.489	ug/l	97
42) 1,2-Dichloroethane	5.40	62	85382	51.266	ug/l	98
43) Isopropyl Acetate	5.55	43	182526	55.258	ug/l	99
44) Trichloroethene	6.19	130	53495	50.565	ug/l	98
45) 1,2-Dichloropropane	6.43	63	71610	53.520	ug/l	100
46) Dibromomethane	6.56	93	40855	51.463	ug/l	98
47) Bromodichloromethane	6.76	83	79915	51.731	ug/l	100
48) Methyl methacrylate	6.62	41	91133	55.478	ug/l	98
49) 1,4-Dioxane	6.61	88	33726	1300.287	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	582382	279.541	ug/l	98
52) Toluene	7.64	92	141521	50.540	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	91539	49.753	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	98170	49.180	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	57699	52.127	ug/l	96
56) Ethyl methacrylate	8.02	69	100337	52.934	ug/l	97
57) 1,3-Dichloropropane	8.24	76	104437	50.828	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	247475	254.897	ug/l	99
59) 2-Hexanone	8.36	43	450303	272.700	ug/l	99
60) Dibromochloromethane	8.48	129	55646	51.347	ug/l	99
61) 1,2-Dibromoethane	8.58	107	60289	51.939	ug/l	100
64) Tetrachloroethene	8.22	164	47645	51.279	ug/l	97
65) Chlorobenzene	9.12	112	145312	48.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	48969	51.663	ug/l	99
67) Ethyl Benzene	9.25	91	267558	49.034	ug/l	100
68) m/p-Xylenes	9.37	106	197728	99.587	ug/l	98
69) o-Xylene	9.78	106	95721	49.609	ug/l	98
70) Styrene	9.79	104	160216	50.175	ug/l	100
71) Bromoform	9.95	173	42228	52.371	ug/l #	98
73) Isopropylbenzene	10.16	105	255527	49.108	ug/l	100
74) N-amyl acetate	10.01	43	158323	52.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	106157	53.109	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	94601m	54.633	ug/l	
77) Bromobenzene	10.45	156	60167	49.441	ug/l	98
78) n-propylbenzene	10.58	91	317589	49.119	ug/l	99
79) 2-Chlorotoluene	10.66	91	187894	50.450	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	217944	50.600	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	37649m	53.422	ug/l	
82) 4-Chlorotoluene	10.77	91	214588	48.621	ug/l	99
83) tert-Butylbenzene	11.10	119	205672	49.541	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	224171	50.501	ug/l	100
85) sec-Butylbenzene	11.32	105	262722	49.260	ug/l	99
86) p-Isopropyltoluene	11.48	119	220880	48.754	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	110275	47.990	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	112620	47.370	ug/l	100
89) n-Butylbenzene	11.89	91	216018	47.113	ug/l	100
90) Hexachloroethane	12.14	117	32664	47.700	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	111572	48.540	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24042	55.557	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
Data File : VU028575.D
Acq On : 11 Dec 2018 01:14
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:01 PM

Quant Time: Dec 11 04:35:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	71777	45.521	ug/l	99
94) Hexachlorobutadiene	13.69	225	33081	43.937	ug/l	96
95) Naphthalene	13.74	128	252827	45.838	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	73585	46.820	ug/l	98

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

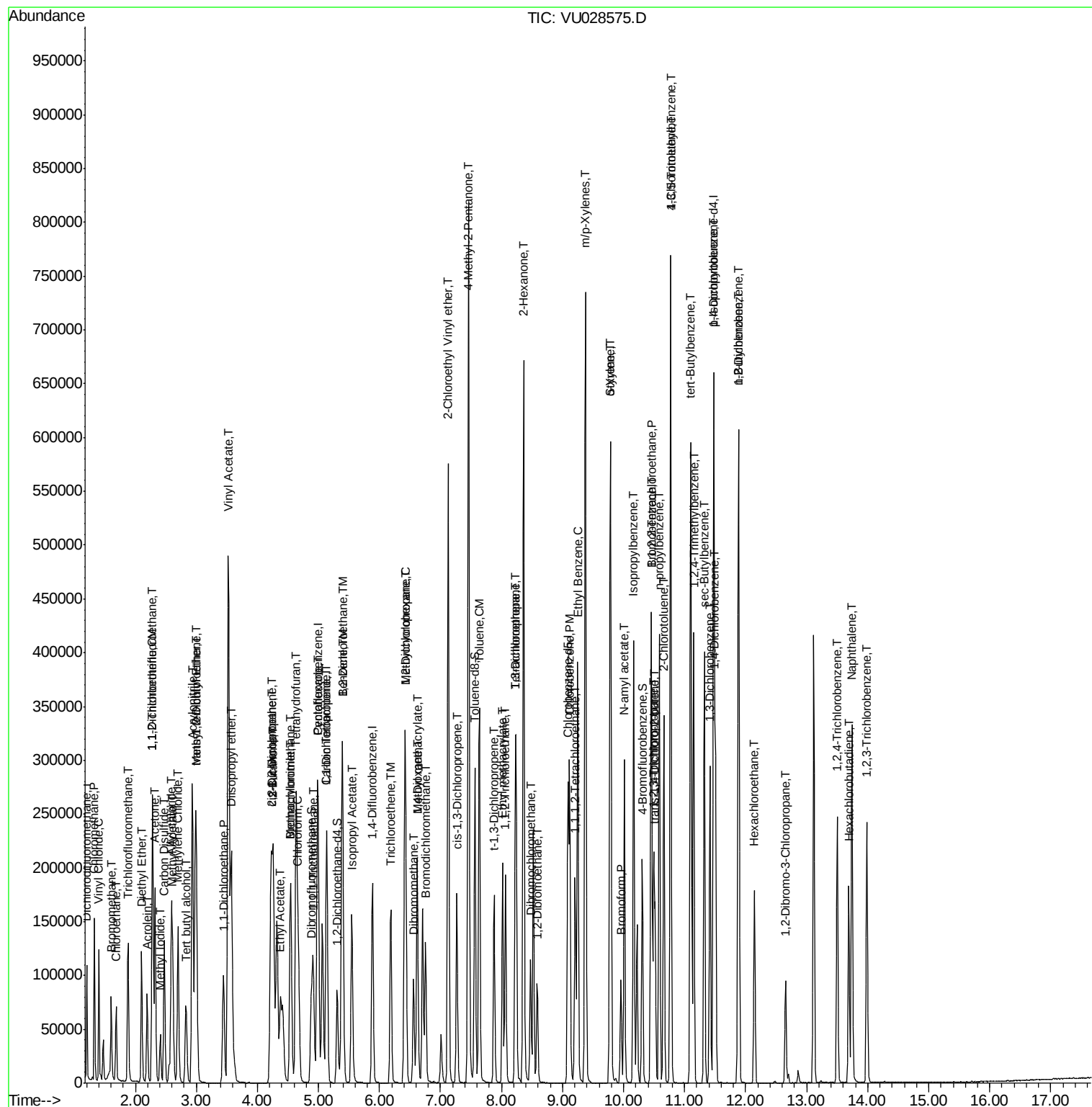
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028575.D
 Acq On : 11 Dec 2018 01:14
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

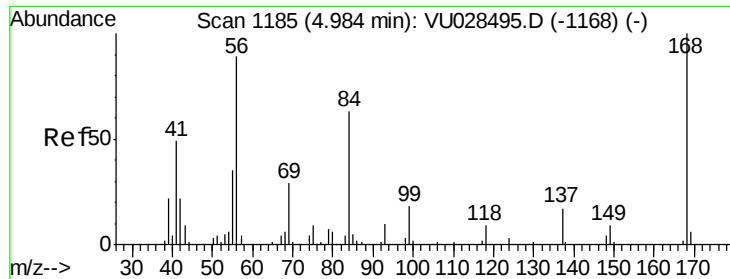
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:01 PM

Quant Time: Dec 11 04:35:53 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 83499

Ion Ratio Lower Upper

168 100

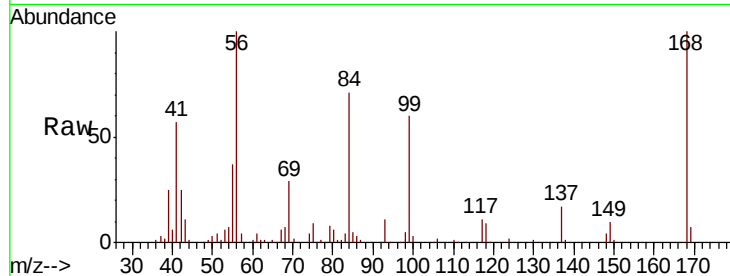
99 60.2 46.6 69.8

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:11:01 PM



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

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

4.98

40000

30000

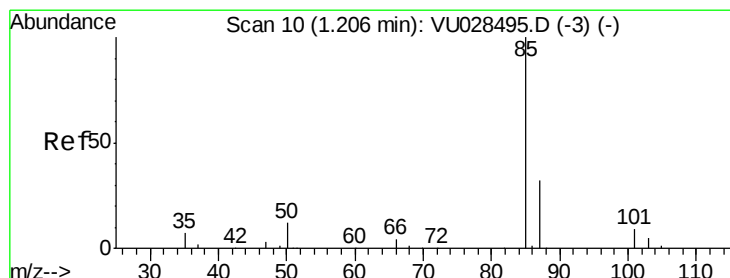
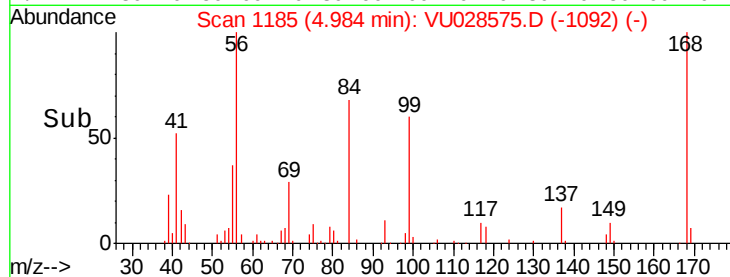
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.911 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028575.D

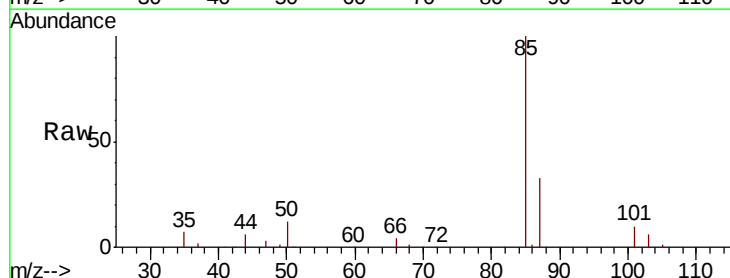
Acq: 11 Dec 2018 01:14

Tgt Ion: 85 Resp: 55860

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



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

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

1.21

60000

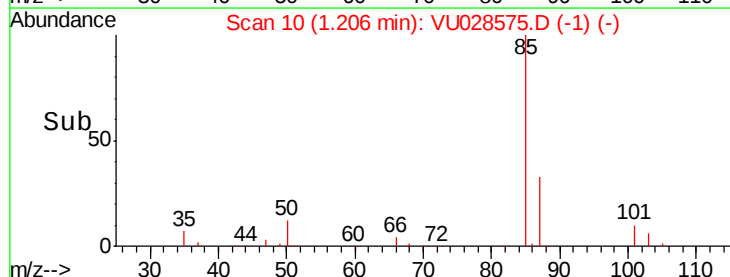
40000

20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.628 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 100058

Ion Ratio Lower Upper

50 100

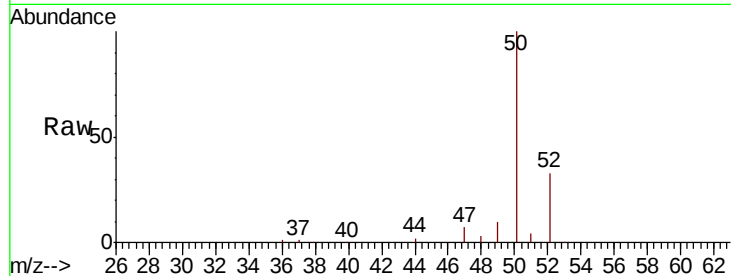
52 32.8 25.5 38.3

Manual Integrations

APPROVED

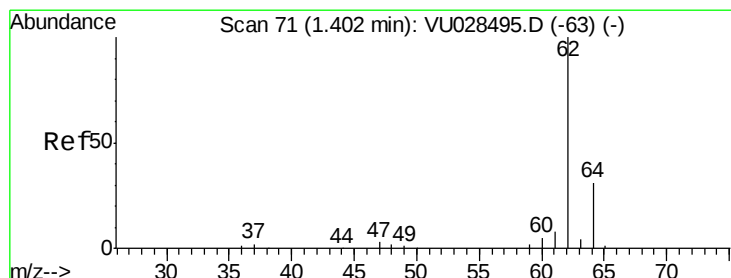
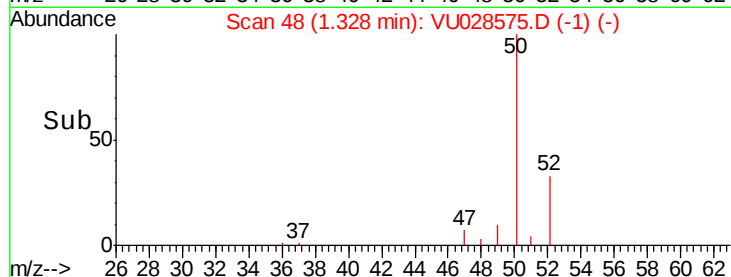
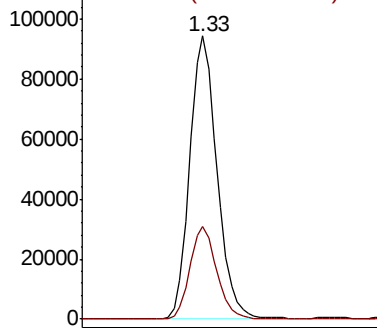
MMDadoda

12/11/2018 12:11:01 PM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 50.007 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028575.D

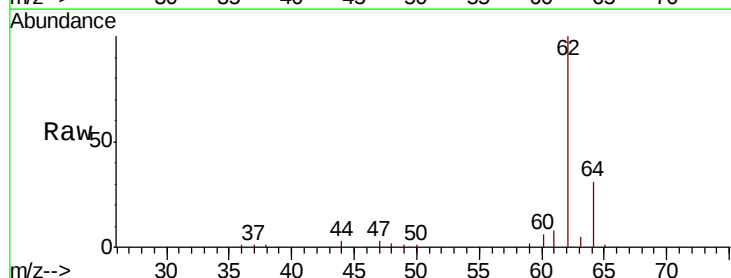
Acq: 11 Dec 2018 01:14

Tgt Ion: 62 Resp: 74256

Ion Ratio Lower Upper

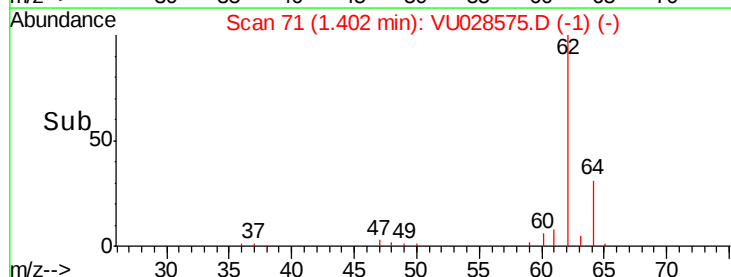
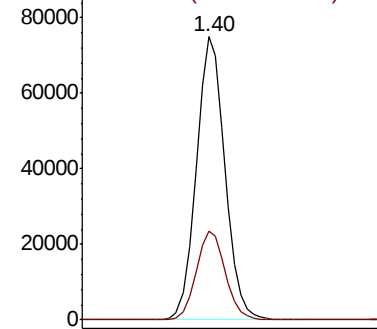
62 100

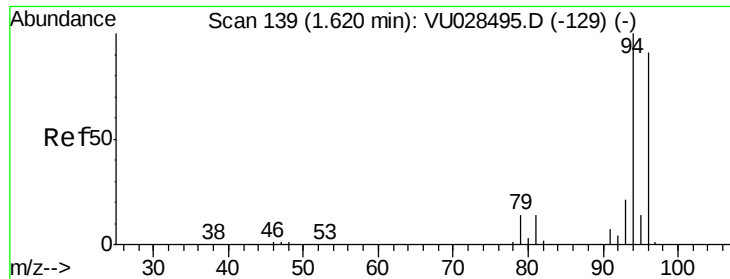
64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





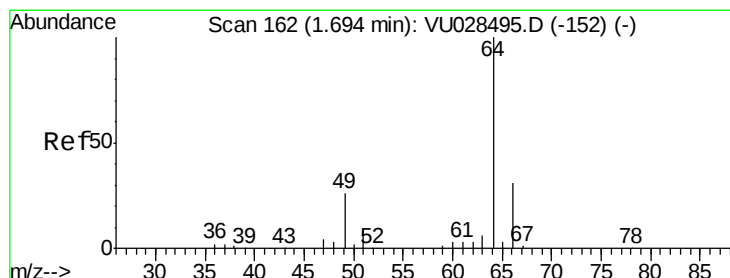
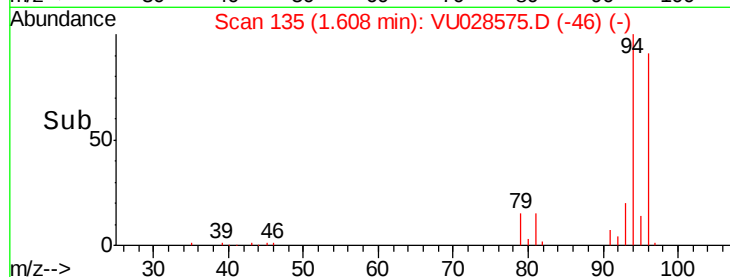
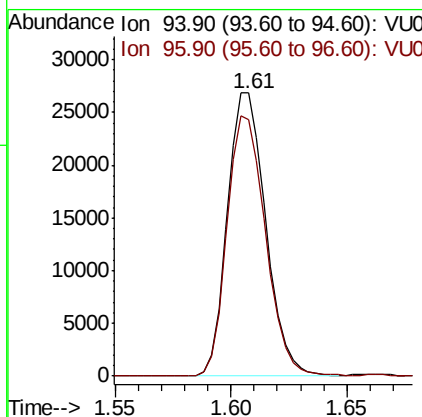
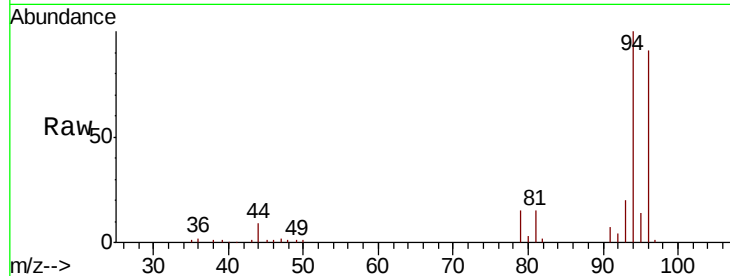
#5
Bromomethane
Concen: 51.448 ug/l
RT: 1.61 min Scan# 135
Delta R.T. -0.01 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 30774
Ion Ratio Lower Upper
94 100
96 90.7 73.2 109.8

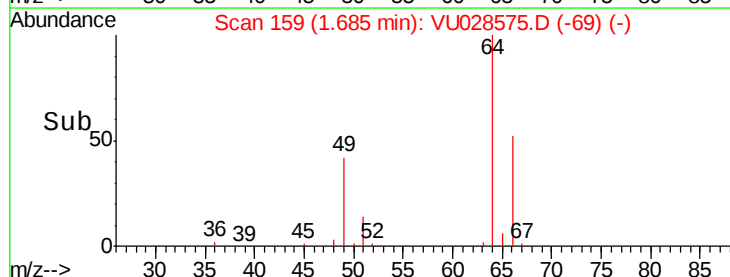
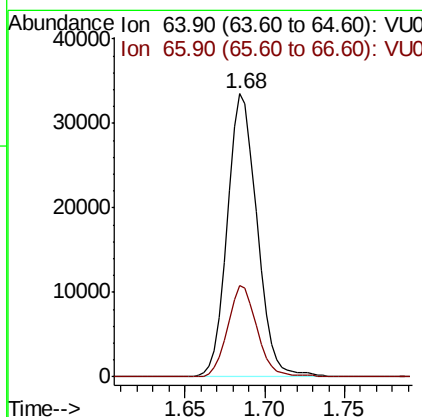
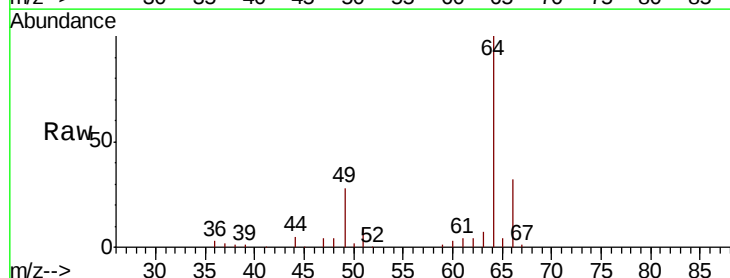
Manual Integrations
APPROVED

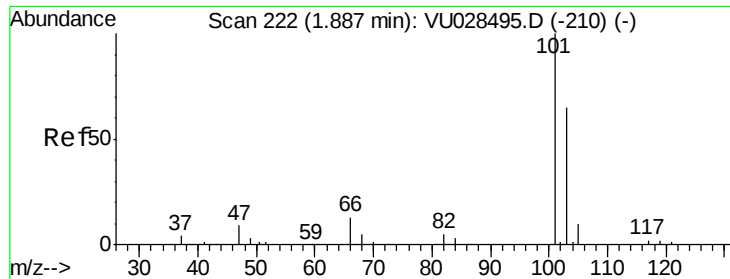
MMDadoda
12/11/2018 12:11:01 PM



#6
Chloroethane
Concen: 50.505 ug/l
RT: 1.68 min Scan# 159
Delta R.T. -0.01 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 64 Resp: 42457
Ion Ratio Lower Upper
64 100
66 32.1 25.0 37.6





#7

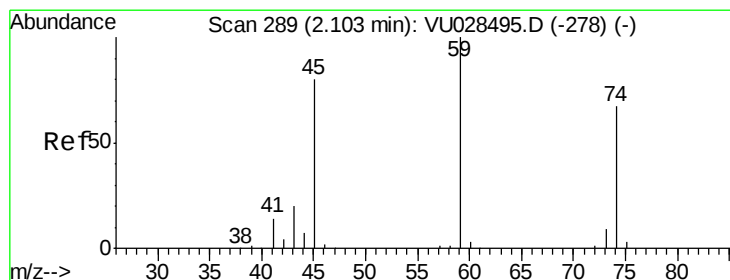
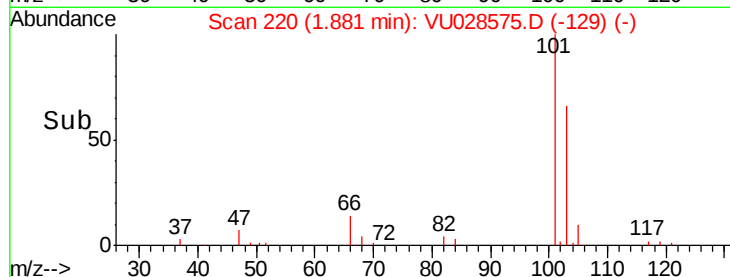
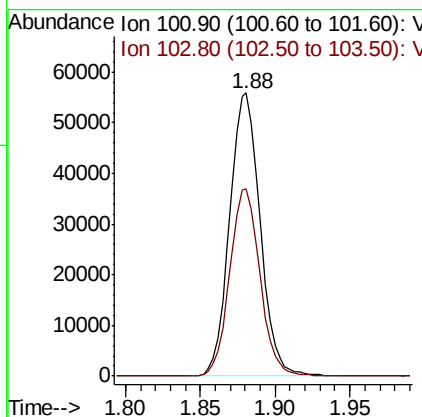
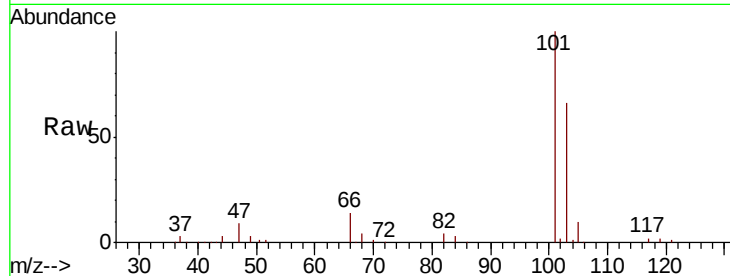
Trichlorofluoromethane
 Concen: 50.789 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.3	78.5

Manual Integrations
 APPROVED

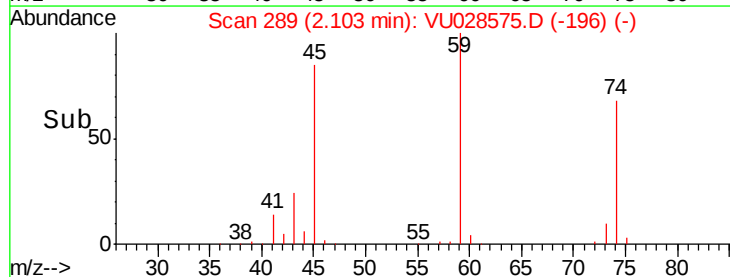
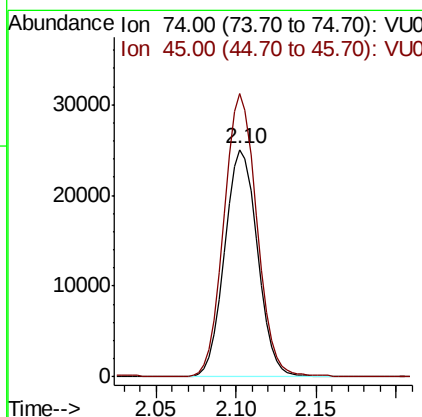
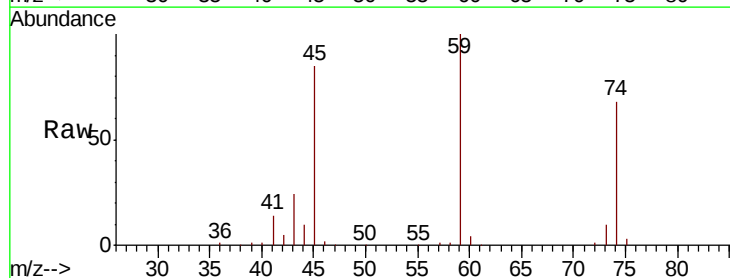
MMDadoda
 12/11/2018 12:11:01 PM

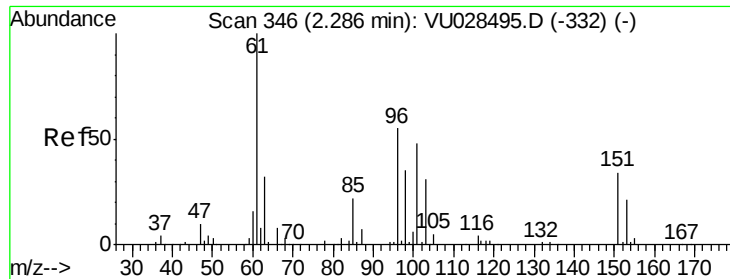


#8

Diethyl Ether
 Concen: 47.813 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.2	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.178 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

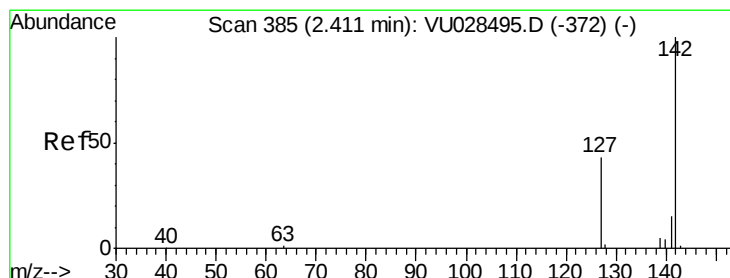
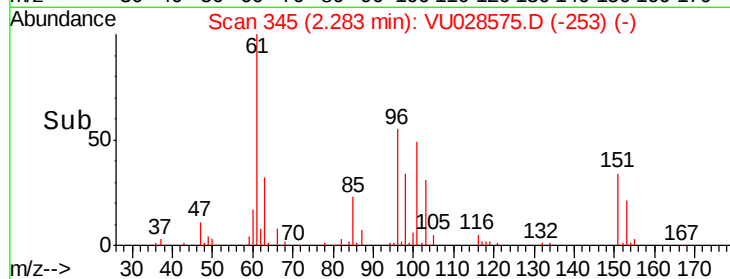
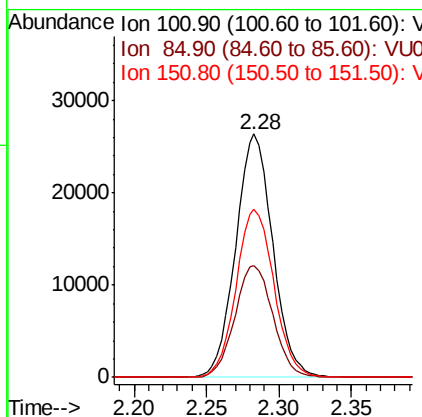
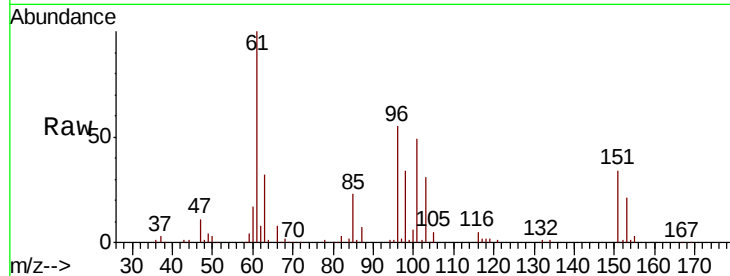
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	46884
Ion Ratio	Lower	Upper	
101	100		
85	46.9	36.4	54.6
151	70.3	58.2	87.2

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:01 PM



#10

Methyl Iodide

Concen: 57.941 ug/l

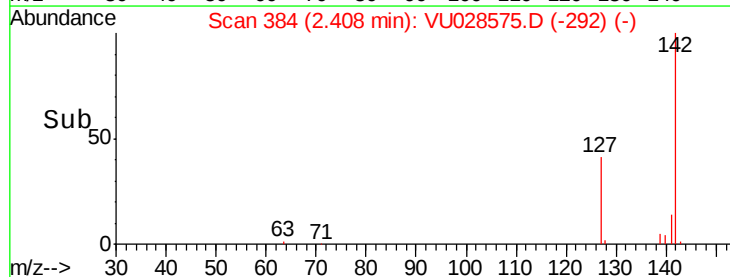
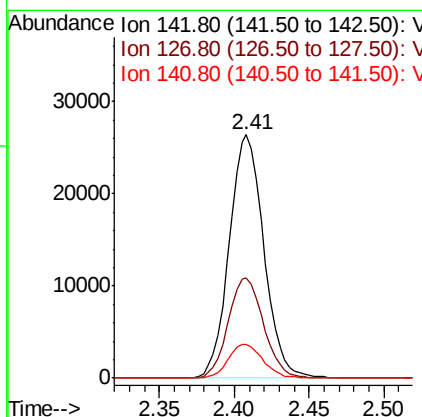
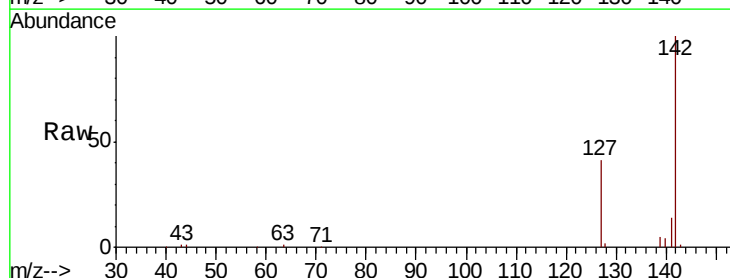
RT: 2.41 min Scan# 384

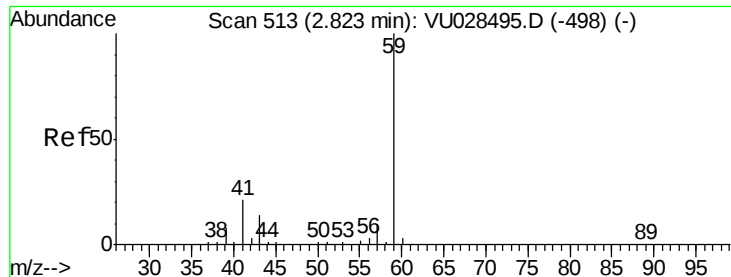
Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Tgt Ion:	142	Resp:	42479
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.5	50.3
141	13.8	11.2	16.8





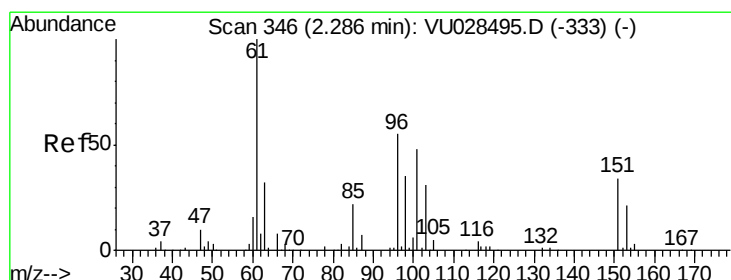
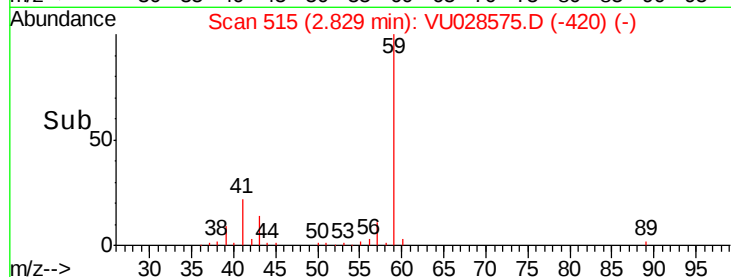
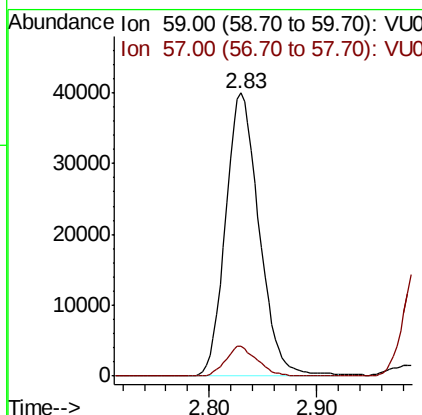
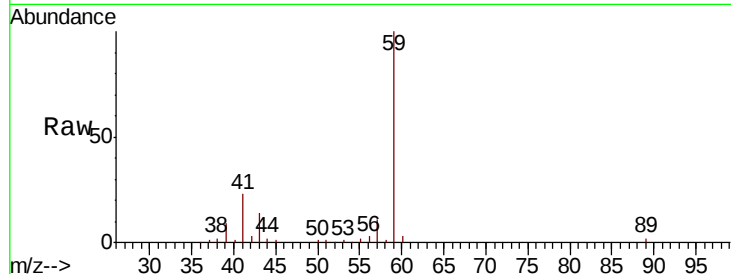
#11
Tert butyl alcohol
Concen: 305.085 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	86613		
57	9.9		8.0	12.0

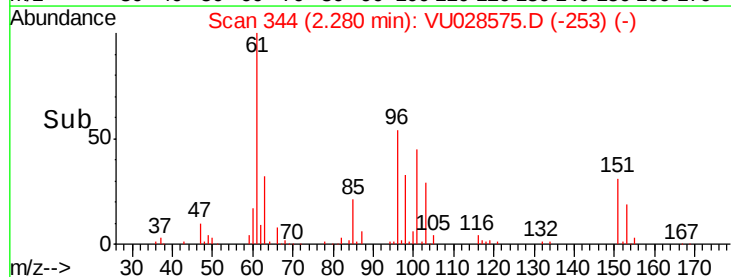
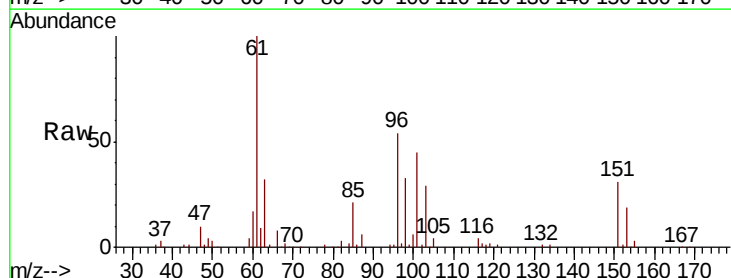
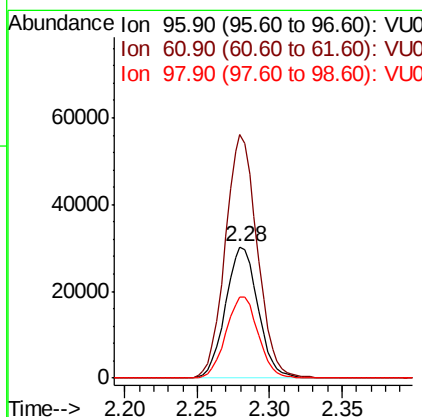
Manual Integrations
APPROVED

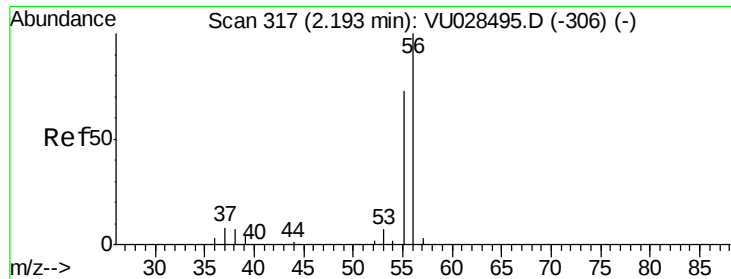
MMDadoda
12/11/2018 12:11:01 PM



#12
1,1-Dichloroethene
Concen: 50.347 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	46806		
61	185.5		146.4	219.6
98	61.5		51.8	77.8





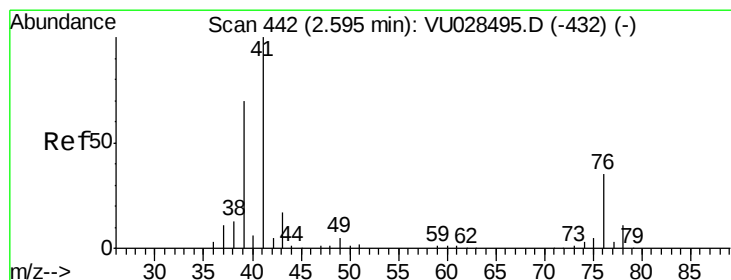
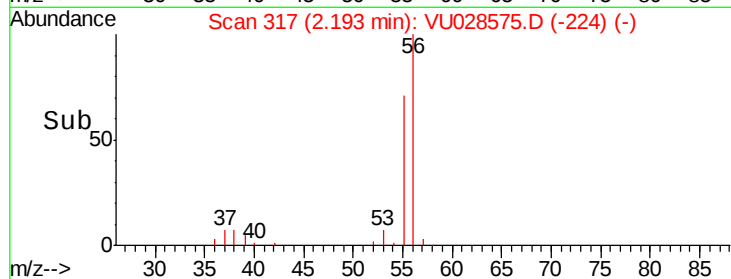
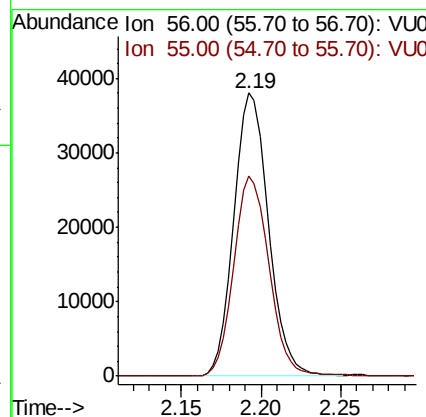
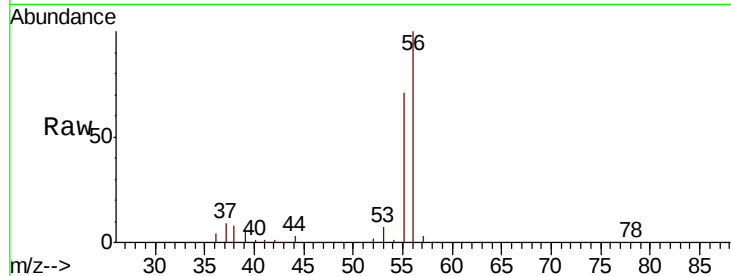
#13
Acrolein
Concen: 248.113 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.1	57.5	86.3

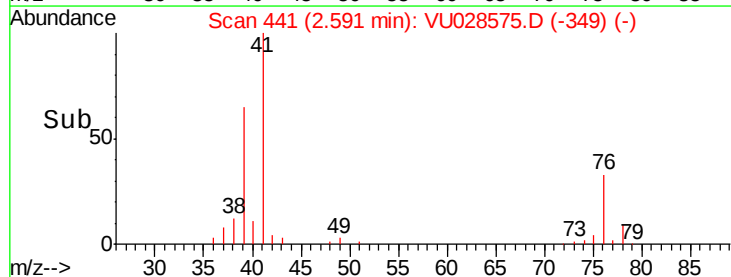
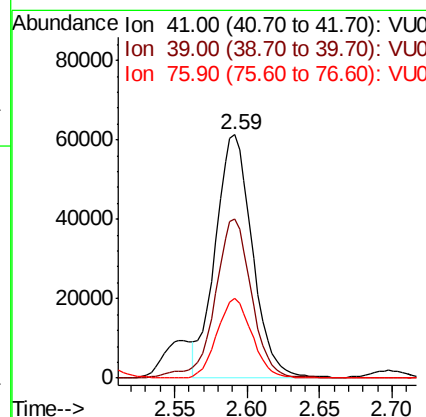
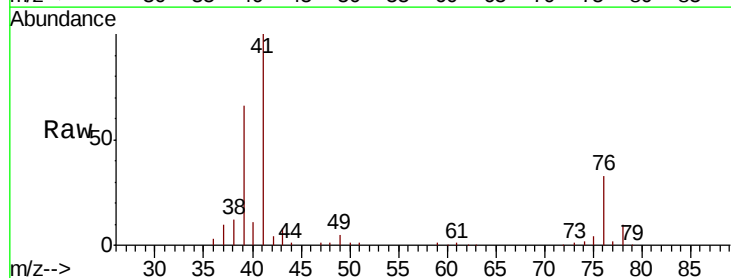
Manual Integrations
APPROVED

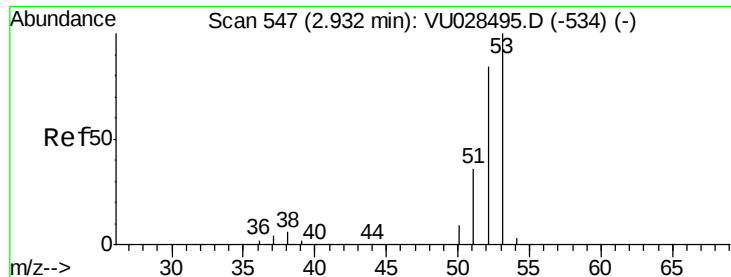
MMDadoda
12/11/2018 12:11:01 PM



#14
Allyl chloride
Concen: 49.098 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.0	50.8	76.2
76	31.1	24.8	37.2





#15

Acrylonitrile

Concen: 280.780 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

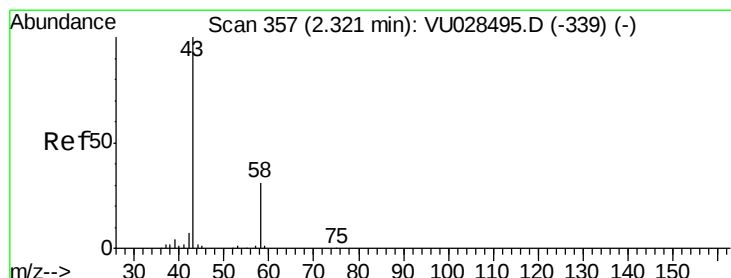
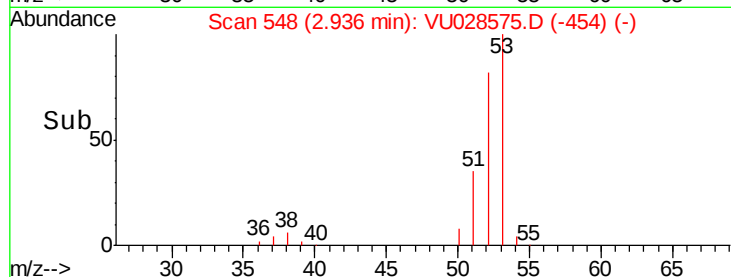
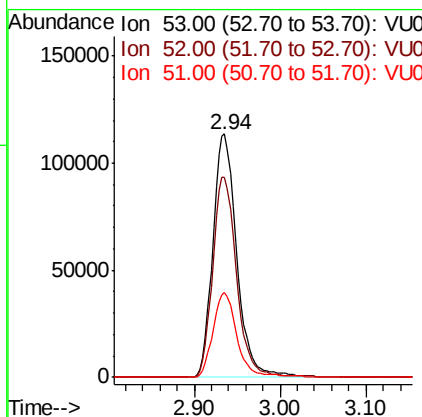
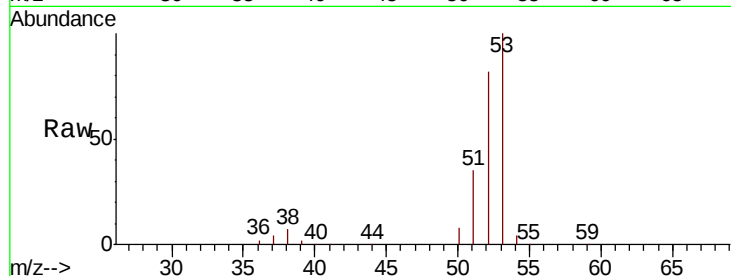
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	221308
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.1	99.1
51	34.9	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:01 PM



#16

Acetone

Concen: 218.992 ug/l

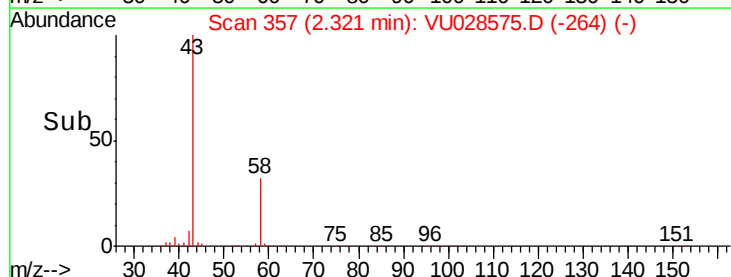
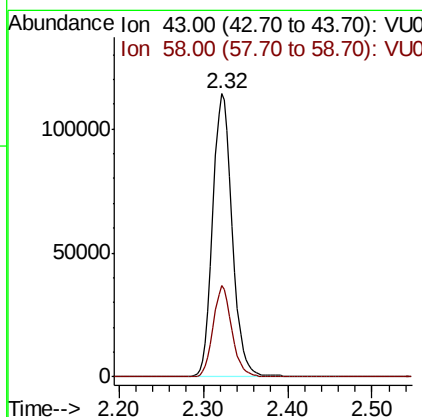
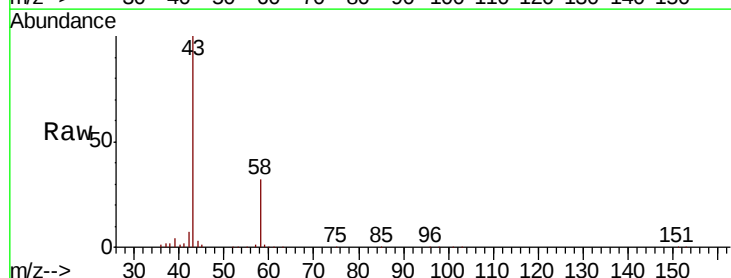
RT: 2.32 min Scan# 357

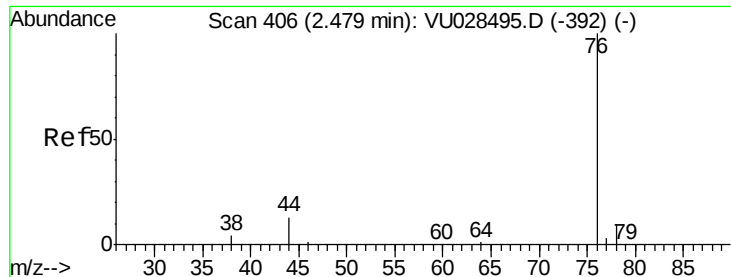
Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Tgt Ion:	43	Resp:	182093
Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.6	37.0





#17

Carbon Disulfide

Concen: 48.010 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Tot Ion: 76 Resp: 160790

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

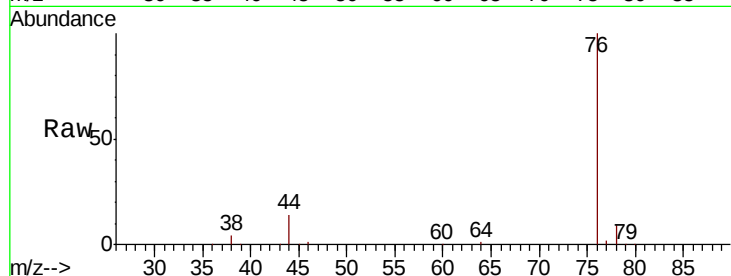
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:11:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

100000

80000

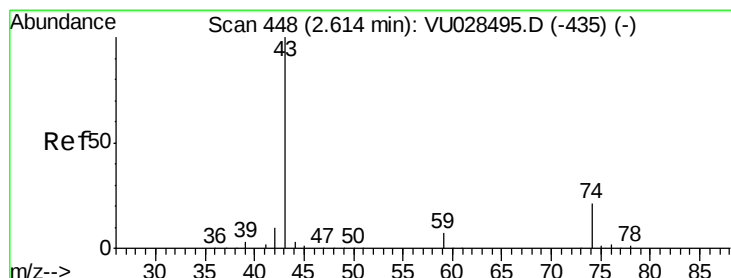
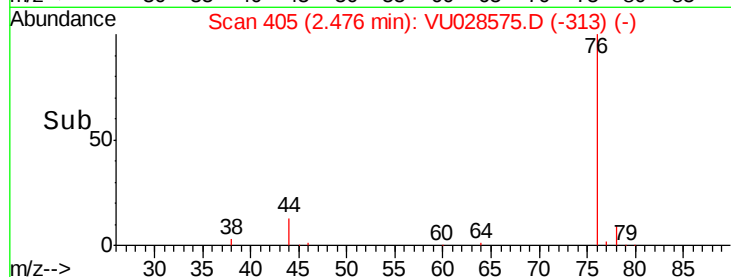
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 57.721 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028575.D

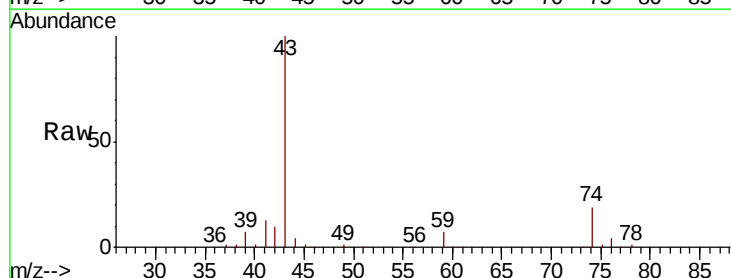
Acq: 11 Dec 2018 01:14

Tgt Ion: 43 Resp: 124417

Ion Ratio Lower Upper

43 100

74 19.5 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

80000

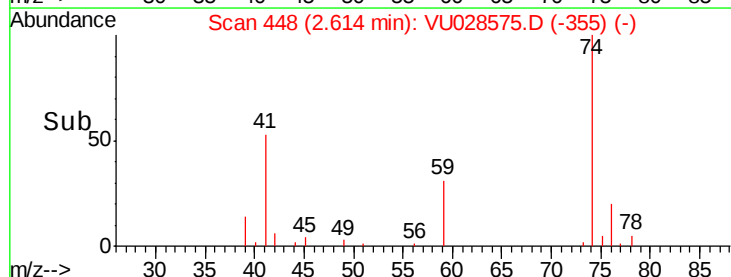
60000

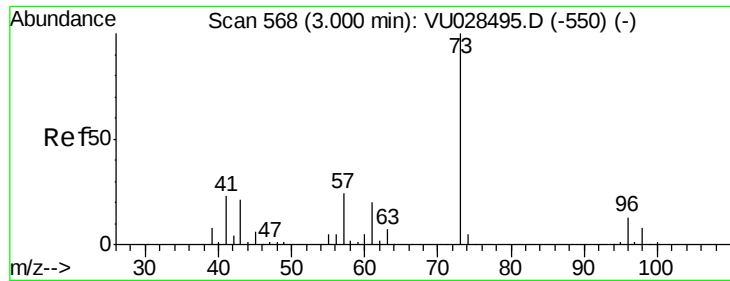
40000

20000

0

Time-->





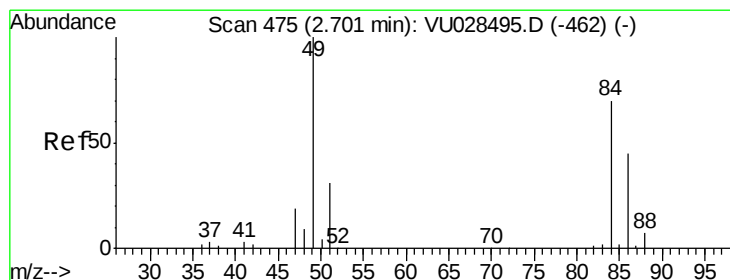
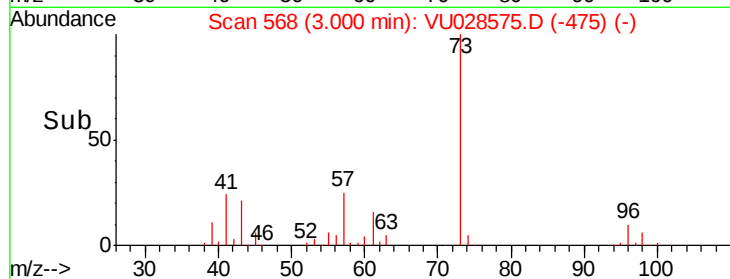
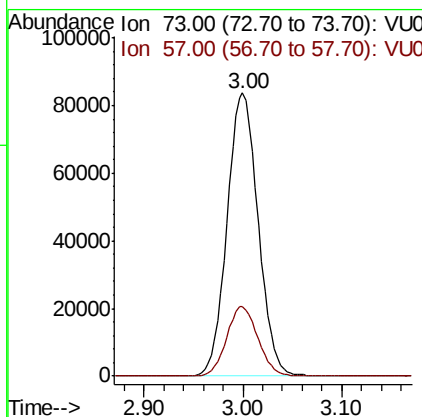
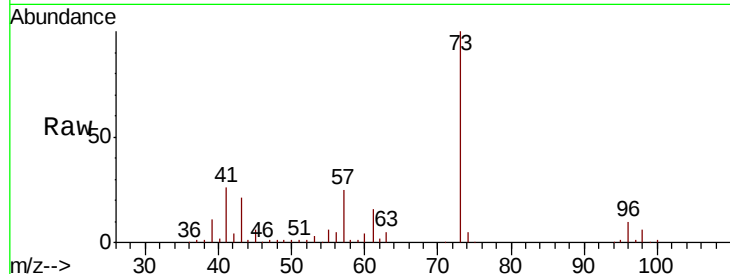
#19
Methvl tert-butvl Ether
Concen: 51.882 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 182846
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2

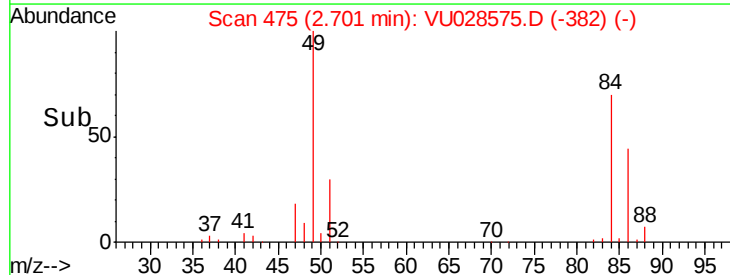
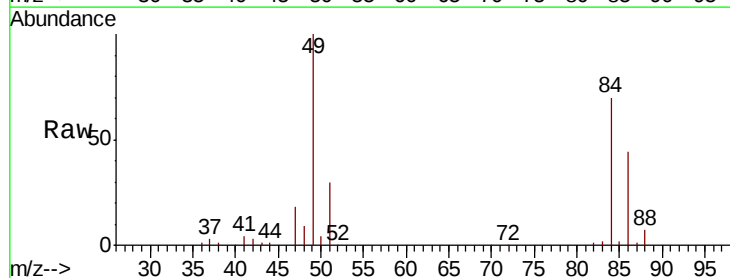
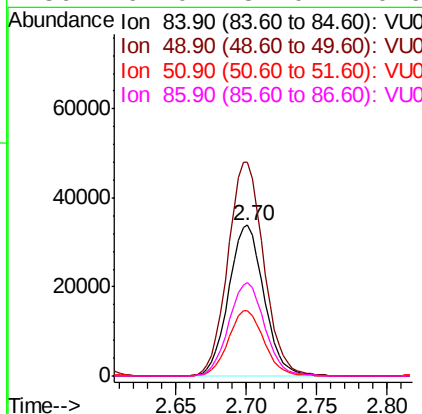
Manual Integrations
APPROVED

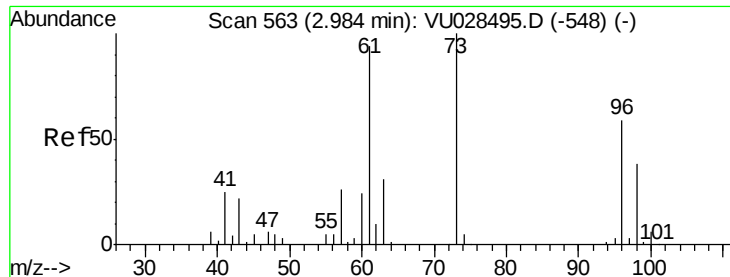
MMDadoda
12/11/2018 12:11:01 PM



#20
Methylene Chloride
Concen: 48.460 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 84 Resp: 59401
Ion Ratio Lower Upper
84 100
49 141.9 114.0 171.0
51 43.0 35.1 52.7
86 62.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.668 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 50942

Ion Ratio Lower Upper

96 100

61 161.5 127.0 190.4

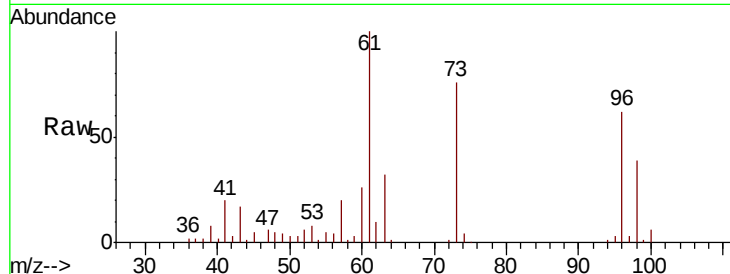
98 62.8 51.9 77.9

Manual Integrations

APPROVED

MMDadoda

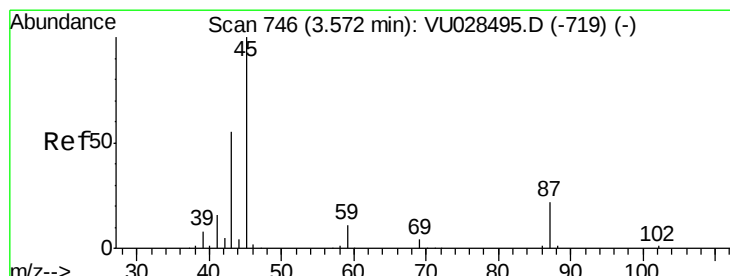
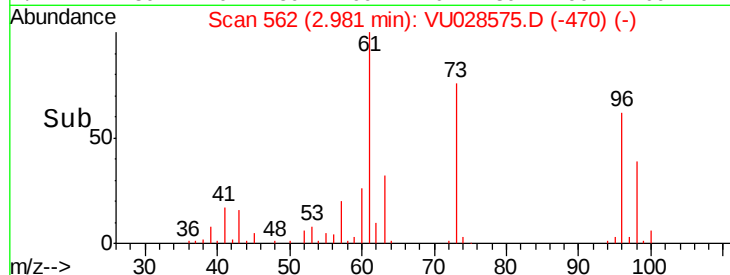
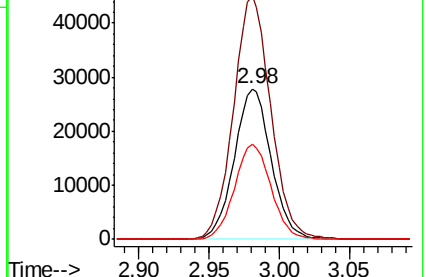
12/11/2018 12:11:01 PM



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 53.884 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Tgt Ion: 45 Resp: 230454

Ion Ratio Lower Upper

45 100

43 56.0 45.3 67.9

87 20.3 17.6 26.4

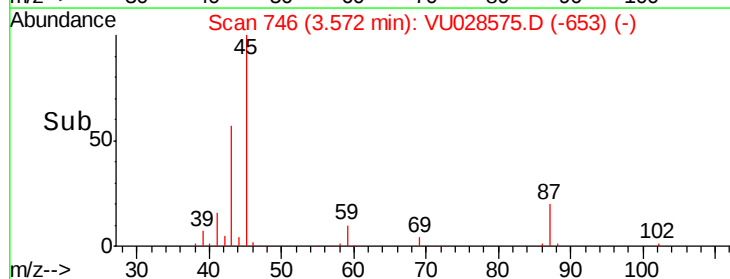
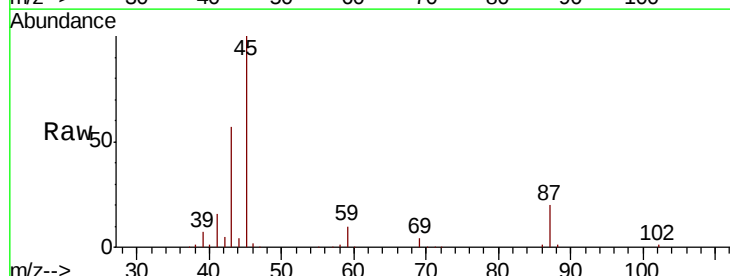
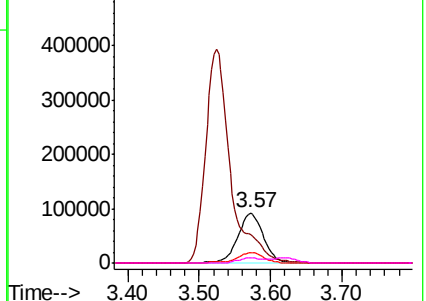
59 10.4 8.8 13.2

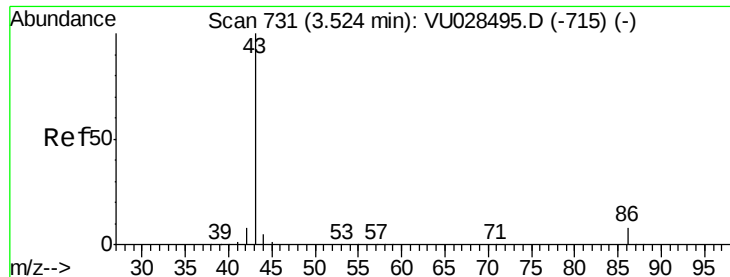
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





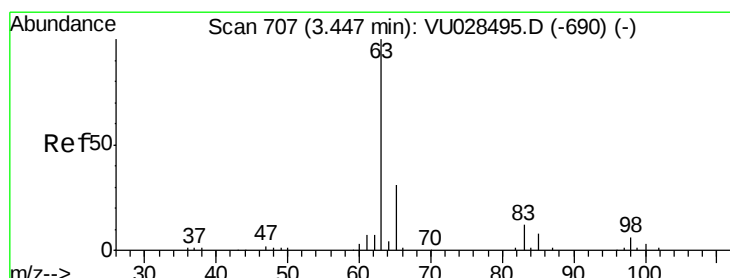
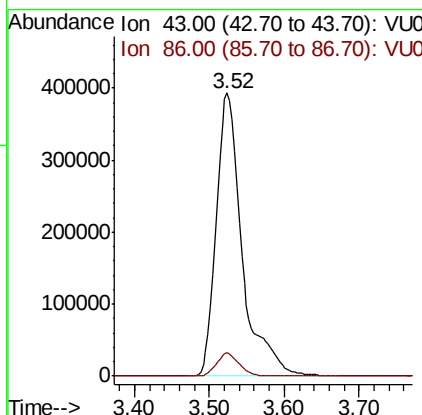
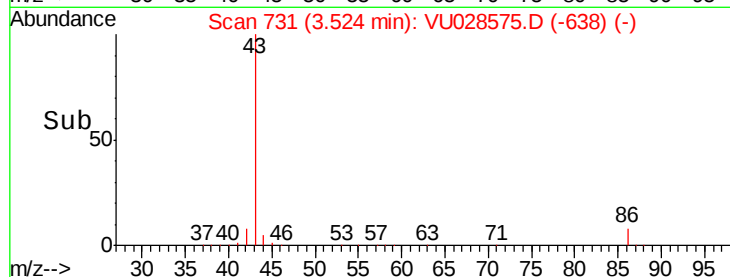
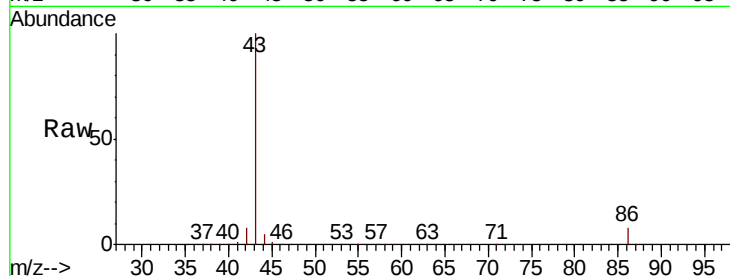
#23
 Vinyl Acetate
 Concen: 268.889 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	86	Ratio	Lower	Upper
43	100				
86		8.1		6.8	10.2

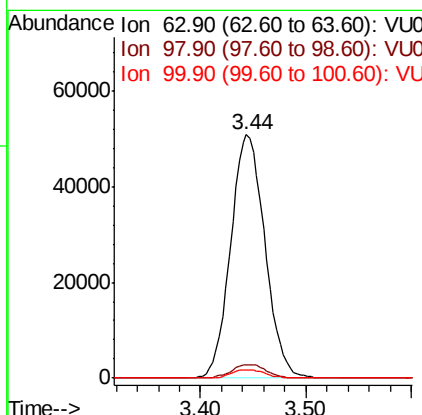
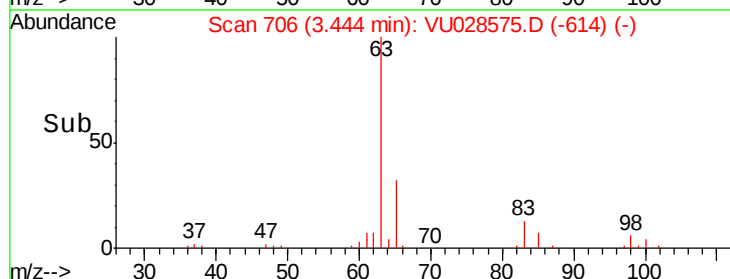
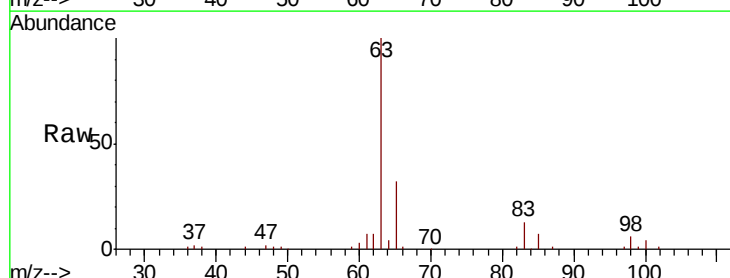
Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:01 PM



#24
 1,1-Dichloroethane
 Concen: 51.127 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion	63	98	100	Ratio	Lower	Upper
63	100					
98		5.6			3.0	9.2
100		3.6			1.7	5.1





#25

2-Butanone

Concen: 268.533 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 305144

Ion Ratio Lower Upper

43 100

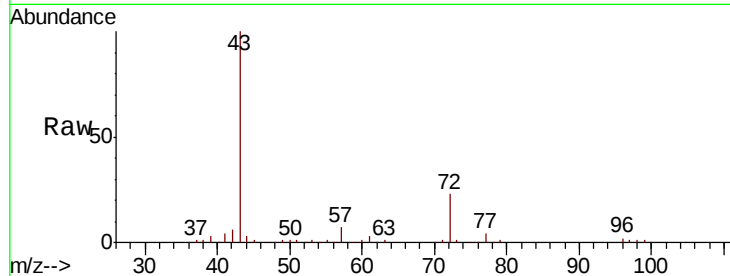
72 22.8 18.6 28.0

Manual Integrations

APPROVED

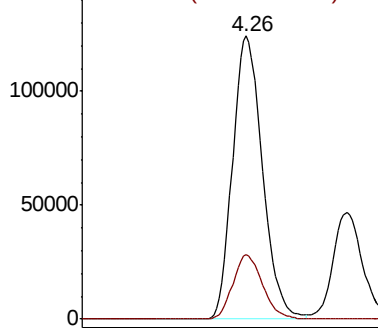
MMDadoda

12/11/2018 12:11:01 PM

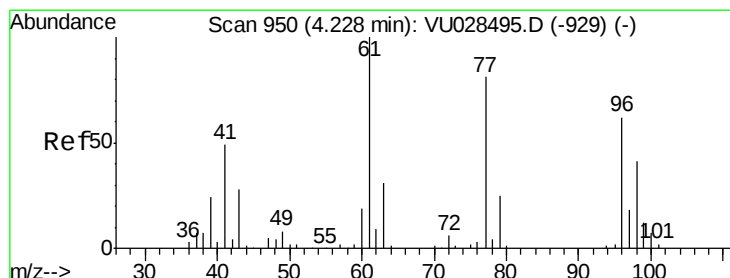
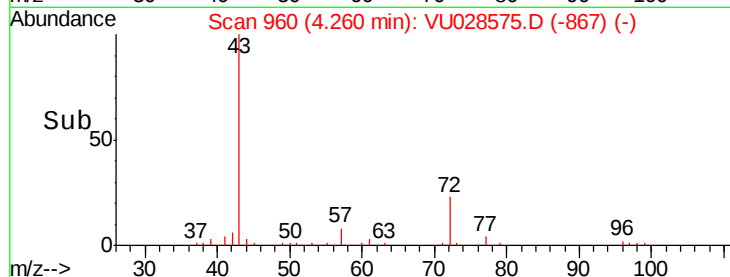


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time-->



#26

2,2-Dichloropropane

Concen: 43.496 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028575.D

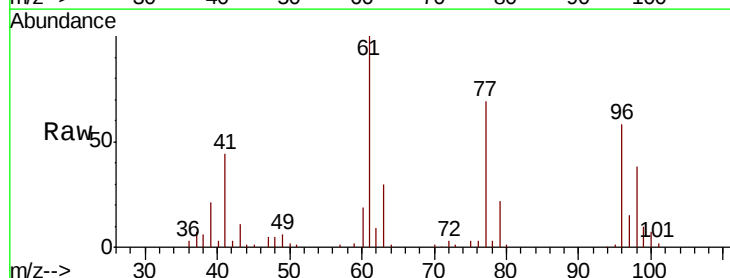
Acq: 11 Dec 2018 01:14

Tgt Ion: 77 Resp: 77157

Ion Ratio Lower Upper

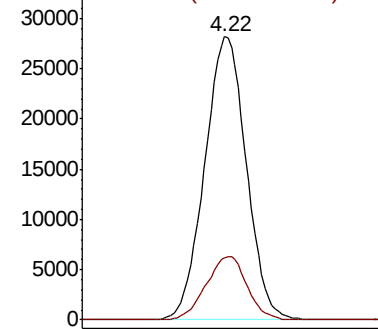
77 100

97 21.9 11.0 33.0

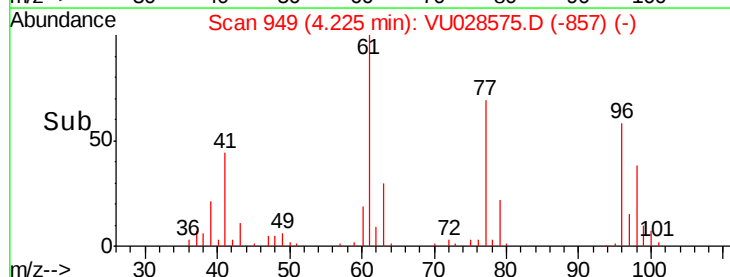


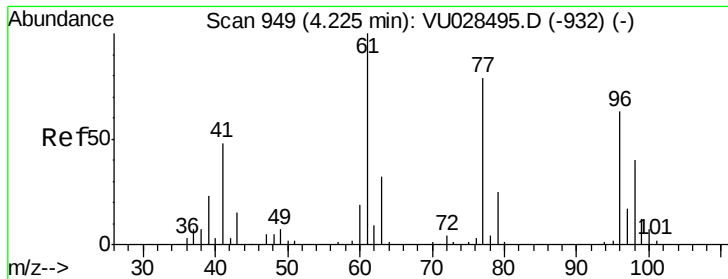
Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time-->





#27

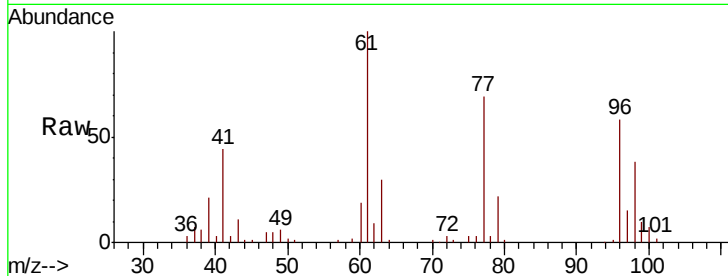
cis-1,2-Dichloroethene
 Concen: 49.258 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.4	0.0	332.4
98	63.4	0.0	129.0

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:01 PM

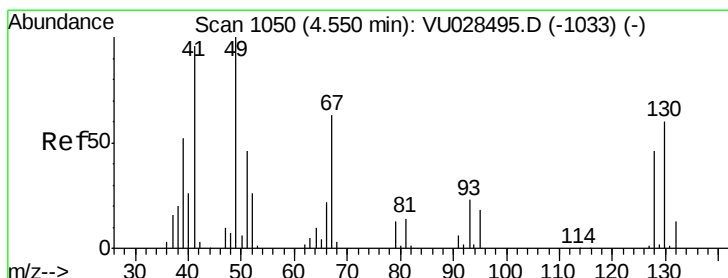
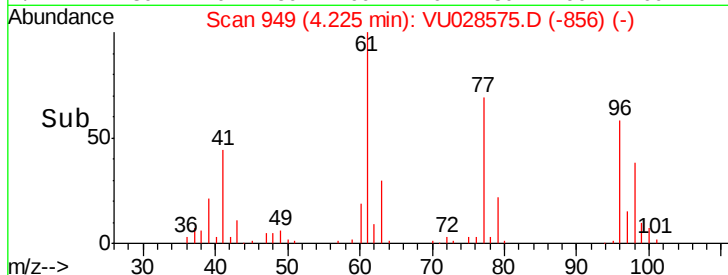
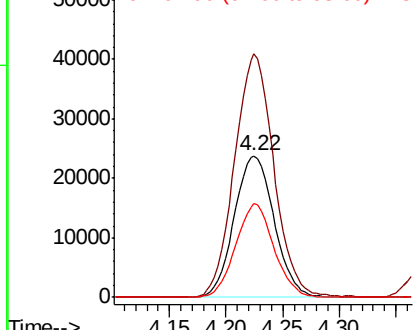


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

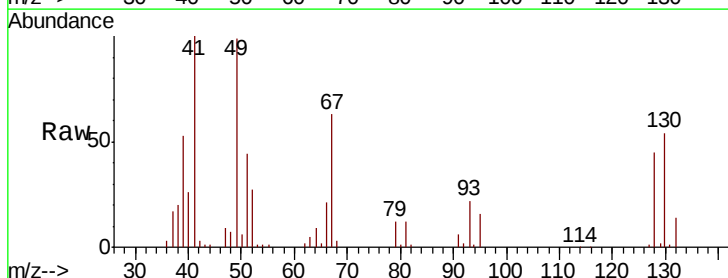
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
 Concen: 57.861 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	56.3	47.8	71.8

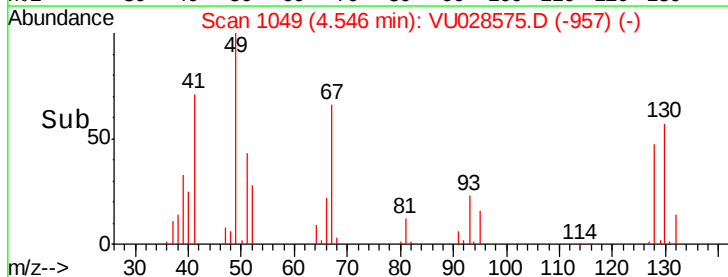
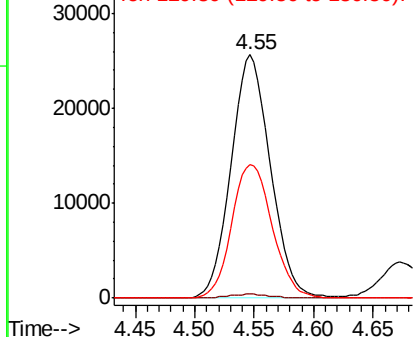


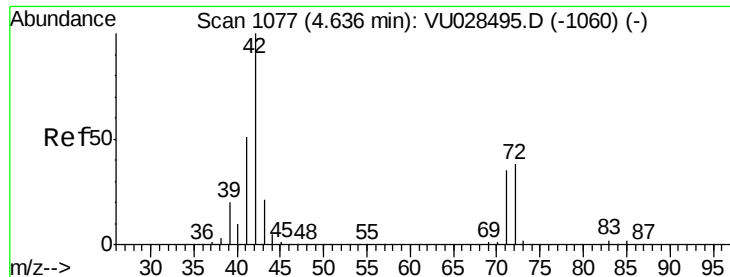
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





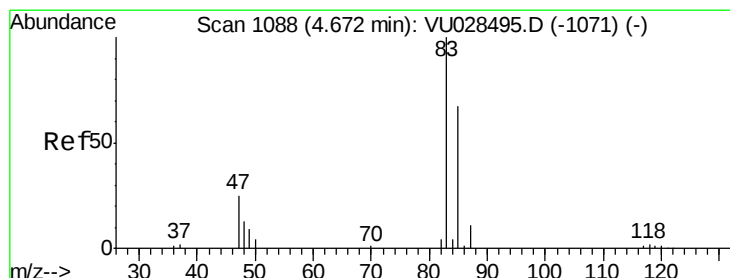
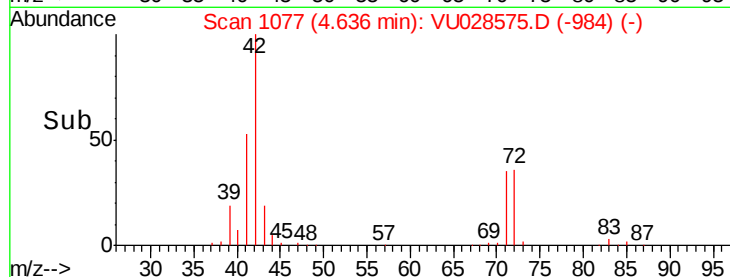
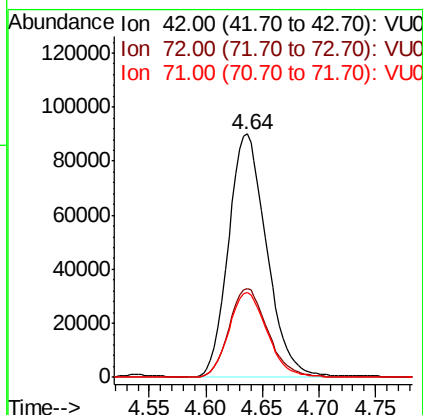
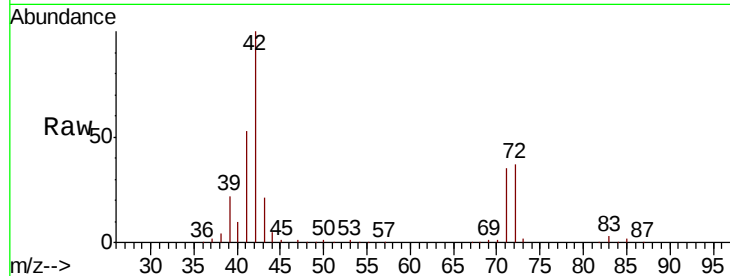
#29
Tetrahydrofuran
Concen: 288.503 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	31.4	47.0
71	35.3	28.6	43.0

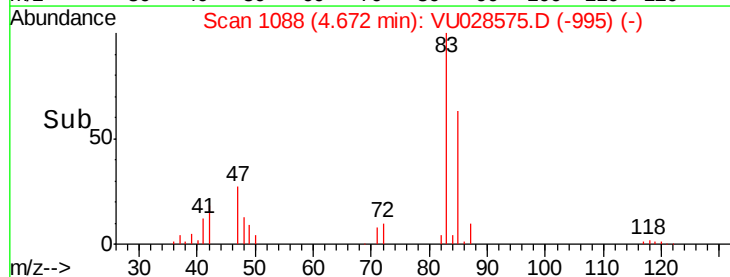
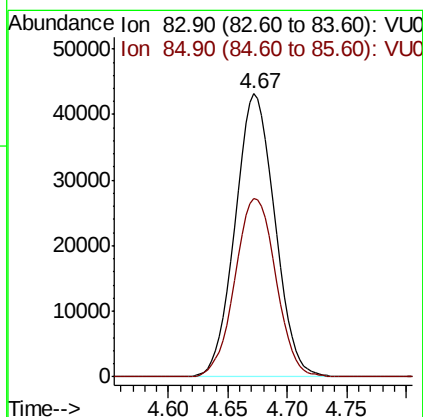
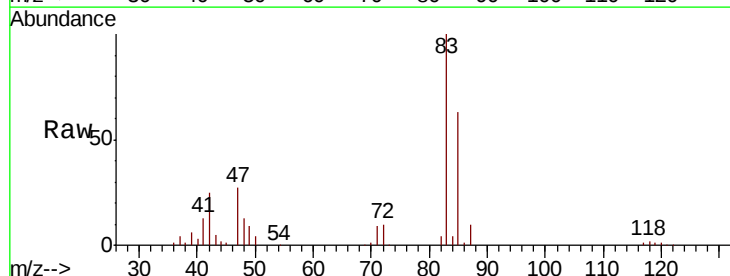
Manual Integrations
APPROVED

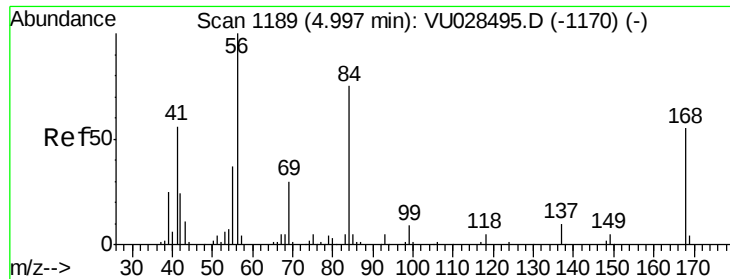
MMDadoda
12/11/2018 12:11:01 PM



#30
Chloroform
Concen: 51.276 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.6	80.4





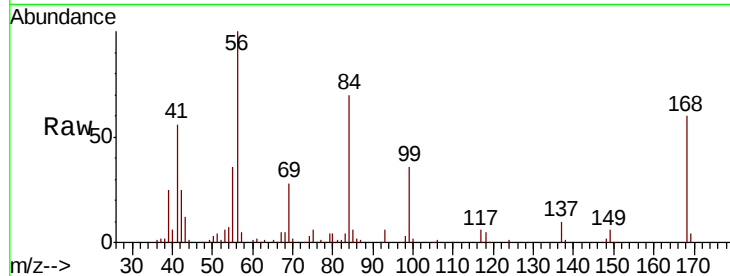
#31
Cyclohexane
Concen: 51.890 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.0	36.0
84	69.2	59.7	89.5

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:01 PM

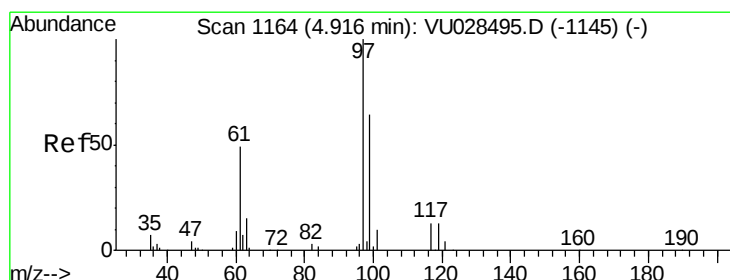
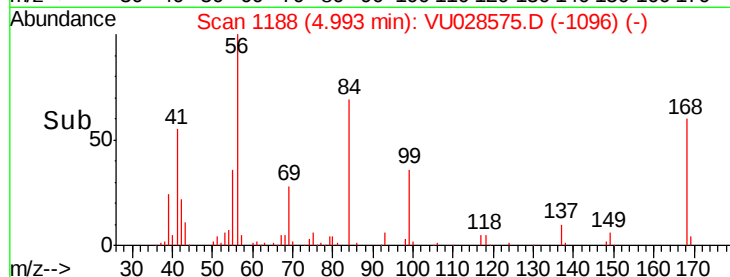
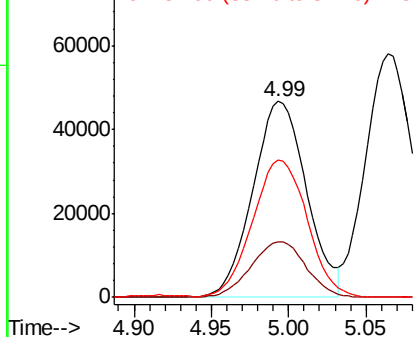


Abundance

Ion 56.00 (55.70 to 56.70): VU0

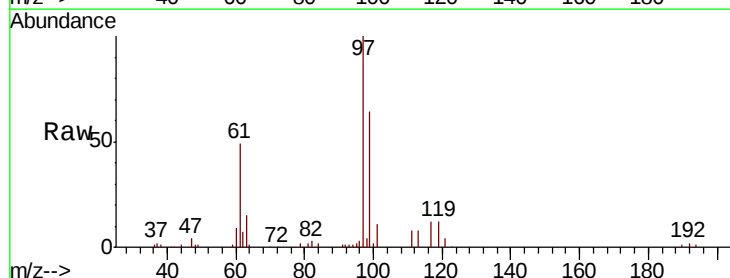
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 51.657 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.3	78.5
61	49.4	39.0	58.6

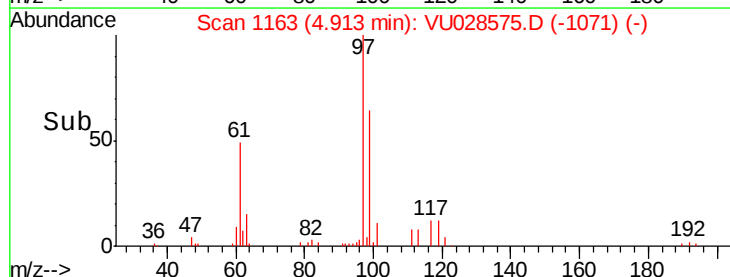
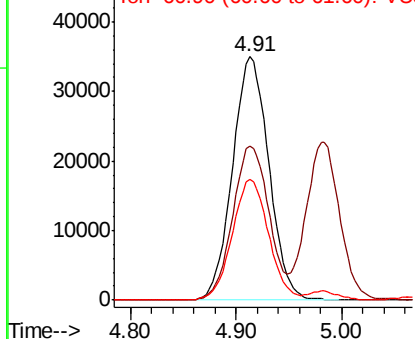


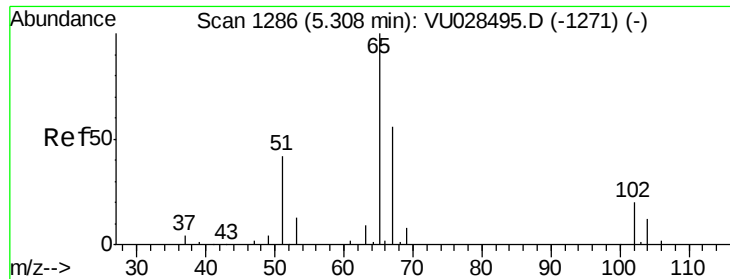
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





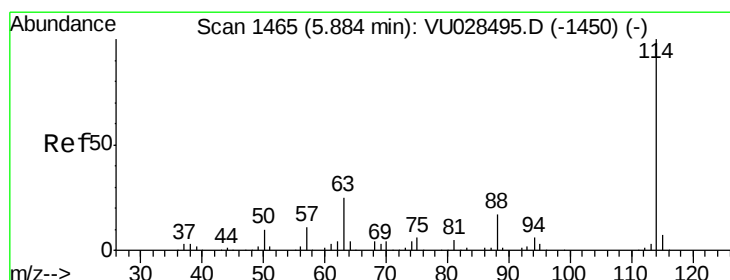
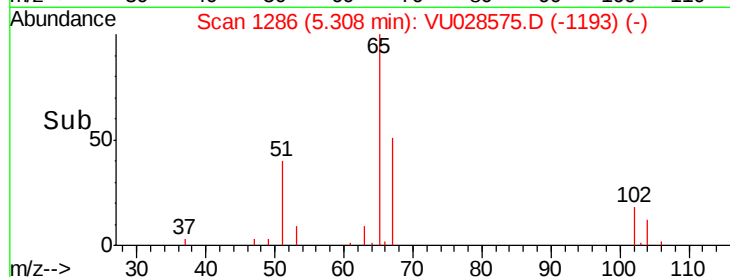
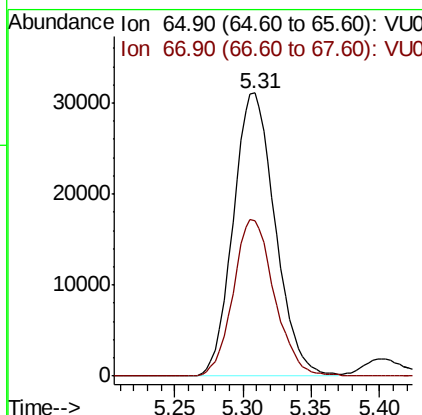
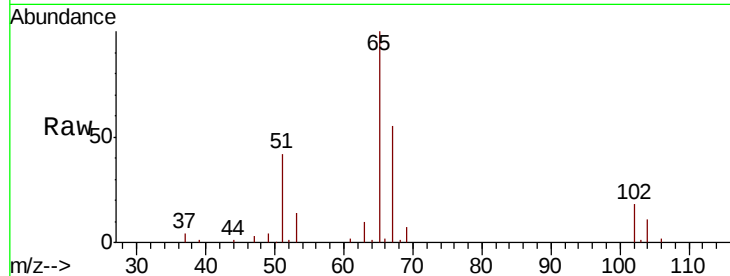
#33
 1,2-Dichloroethane-d4
 Concen: 52.090 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	110.6

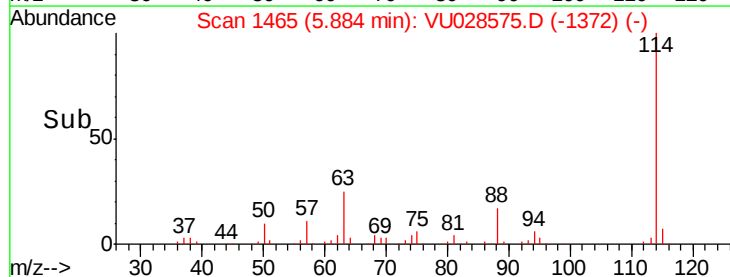
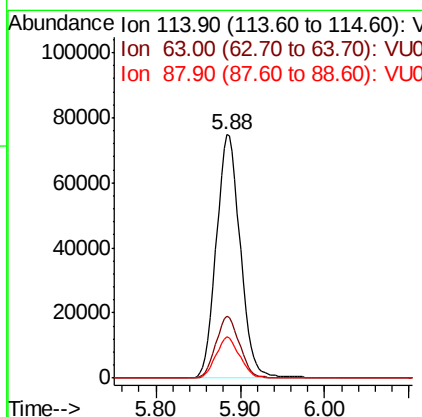
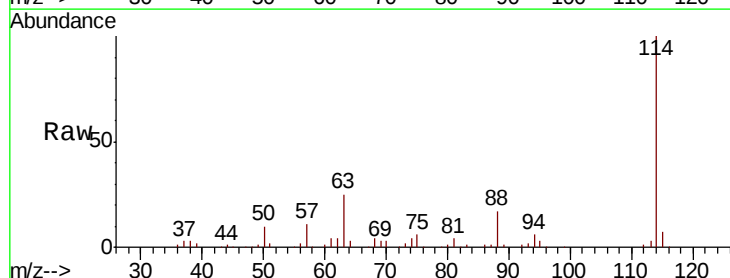
Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	17.0	0.0	33.4





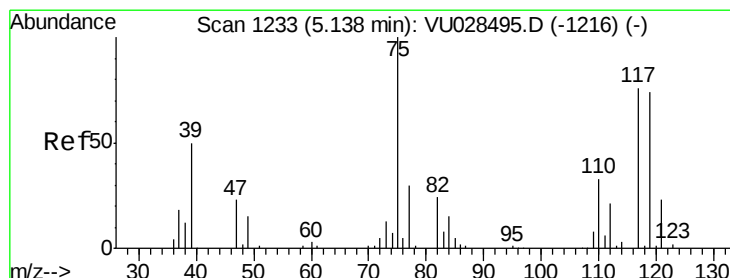
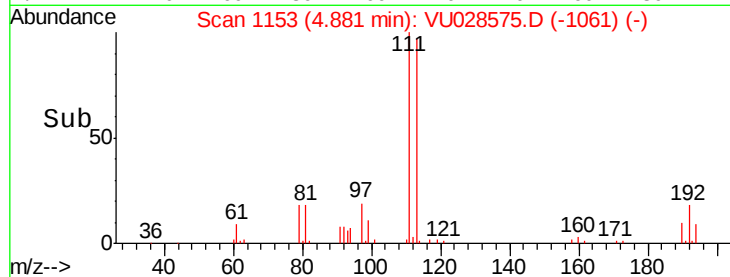
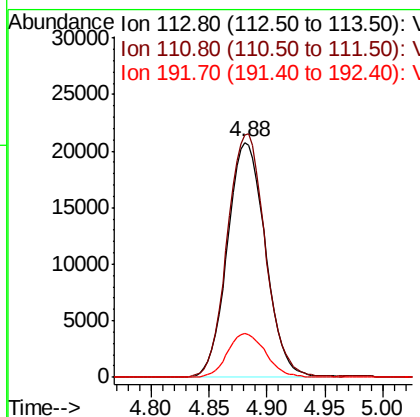
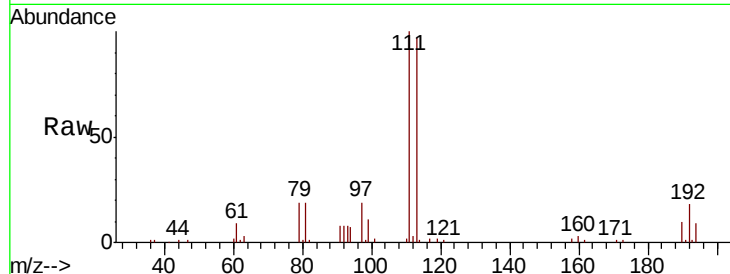
#35
 Dibromofluoromethane
 Concen: 51.042 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.4	125.0
192	18.5	14.8	22.2

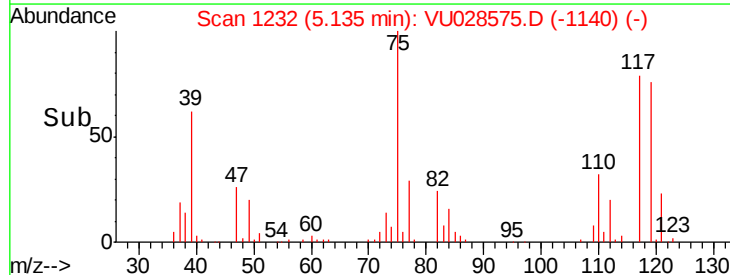
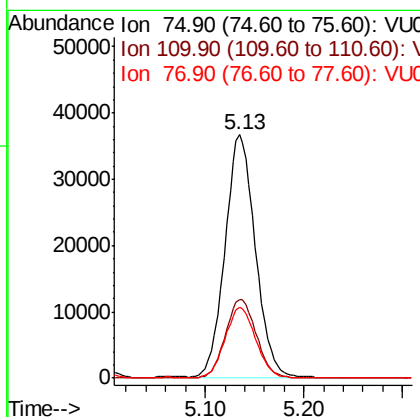
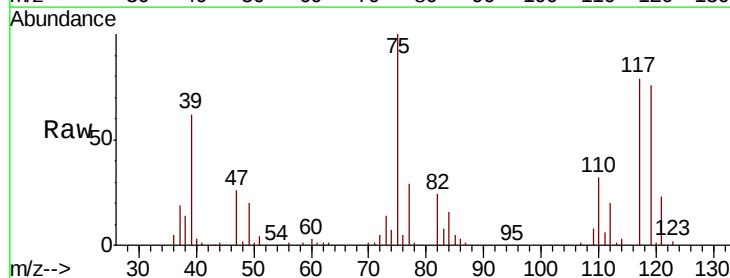
Manual Integrations
 APPROVED

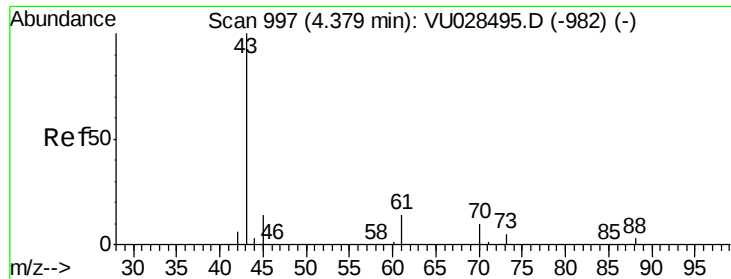
MMDadoda
 12/11/2018 12:11:01 PM



#36
 1,1-Dichloropropene
 Concen: 49.131 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.1	48.2
77	29.4	24.5	36.7





#37

Ethyl Acetate

Concen: 54.211 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

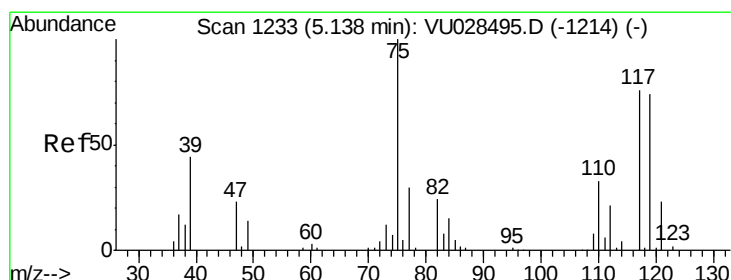
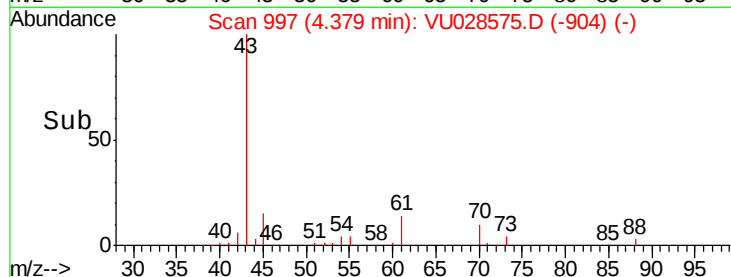
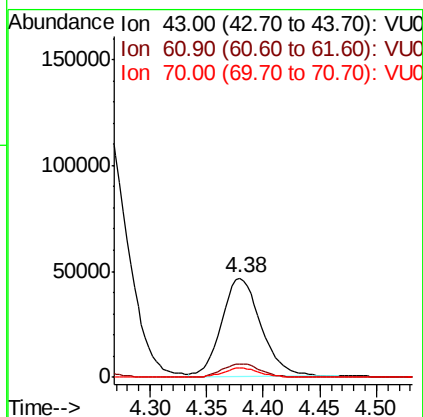
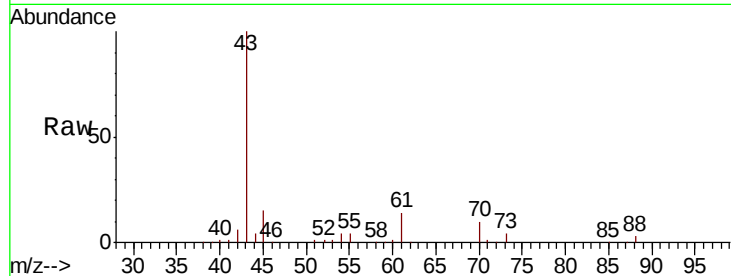
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	113213
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	9.1	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:01 PM



#38

Carbon Tetrachloride

Concen: 51.212 ug/l

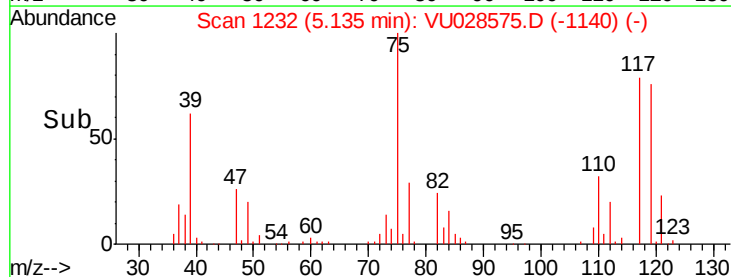
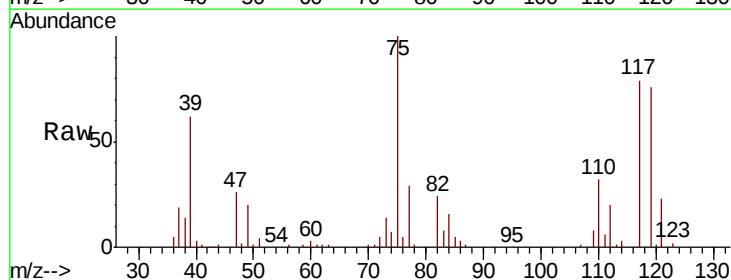
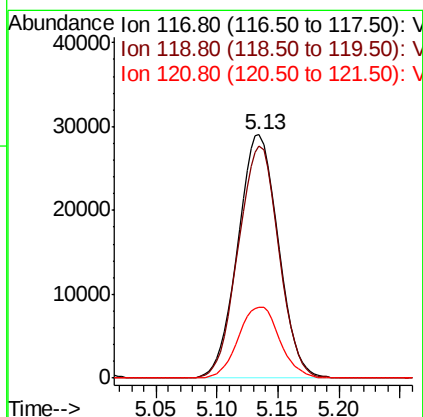
RT: 5.13 min Scan# 1232

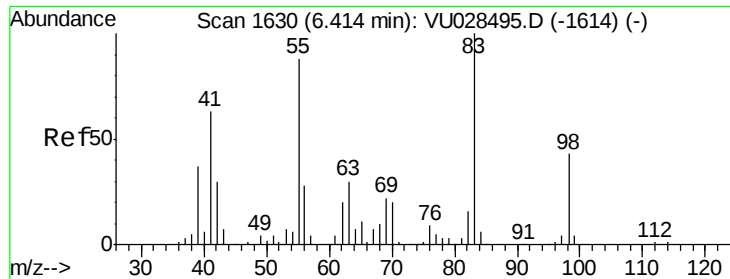
Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Tgt Ion:	117	Resp:	66683
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.6	116.4
121	29.1	24.6	36.8





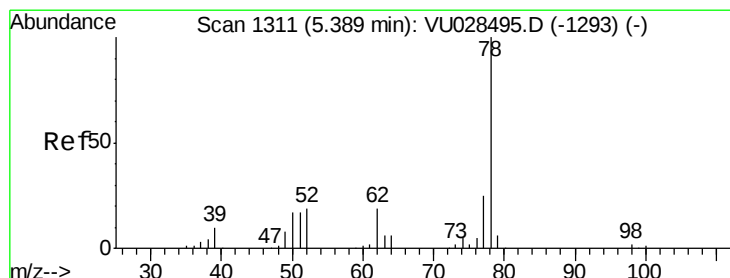
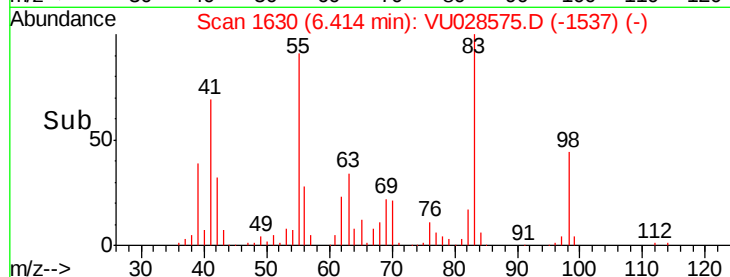
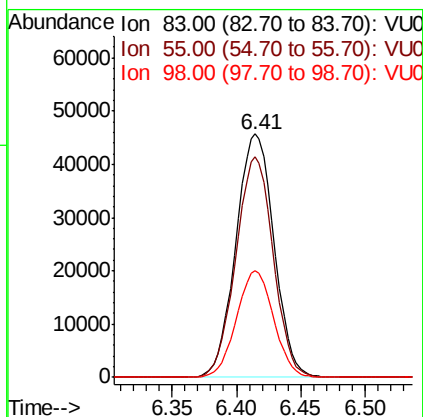
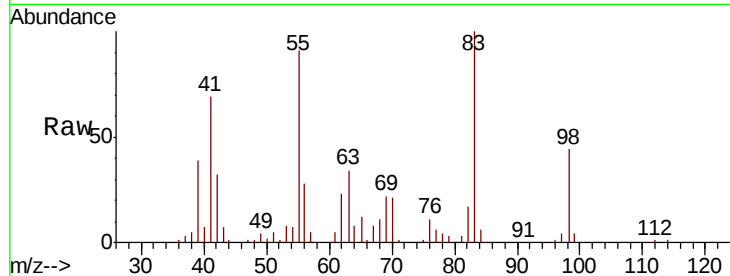
#39
Methvlcvclohexane
Concen: 47.696 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.7	70.2	105.2
98	43.9	34.2	51.4

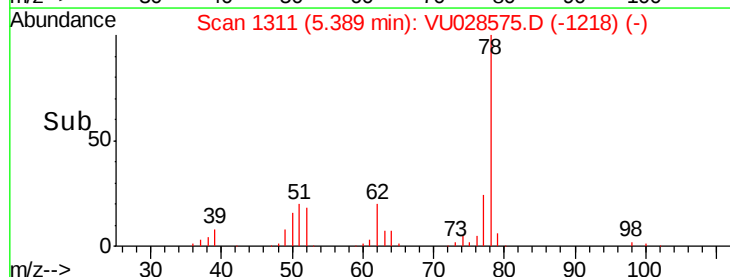
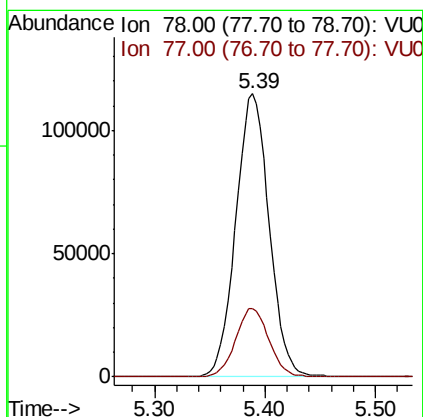
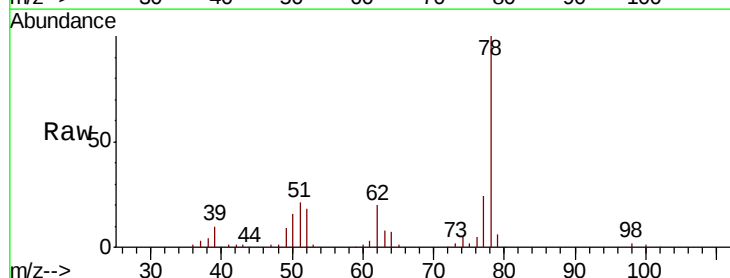
Manual Integrations
APPROVED

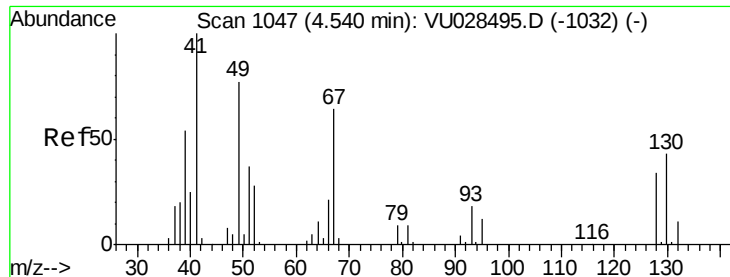
MMDadoda
12/11/2018 12:11:01 PM



#40
Benzene
Concen: 50.654 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.9	29.9





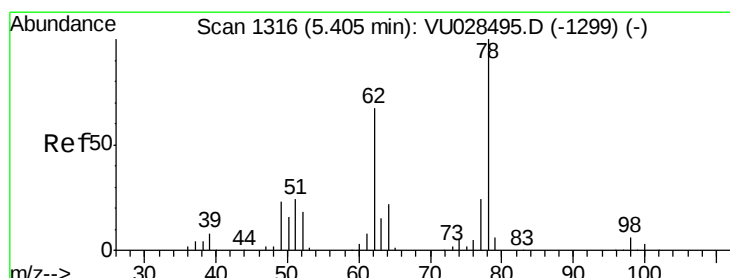
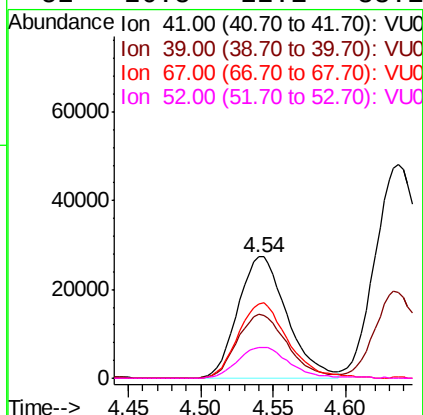
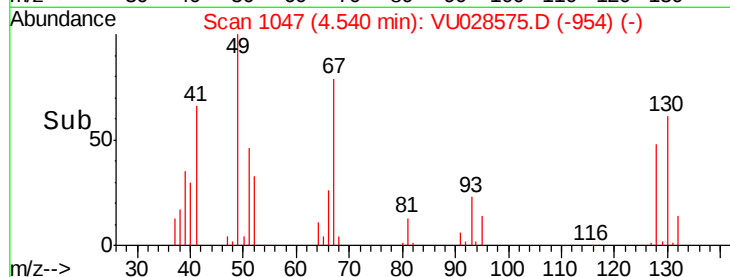
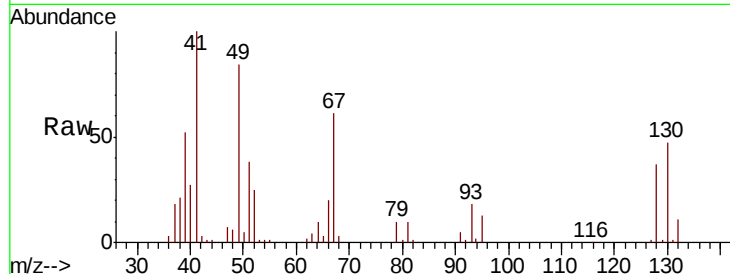
#41
Methacrylonitrile
Concen: 56.489 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	64606
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	62.7	53.6	80.4
52	26.8	22.1	33.1

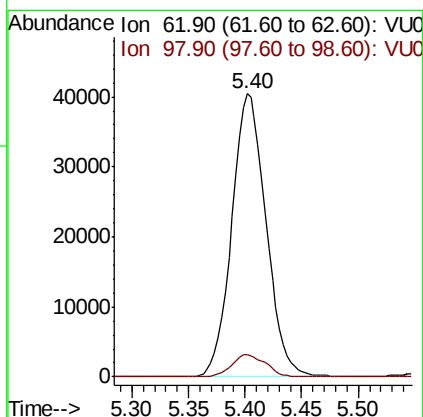
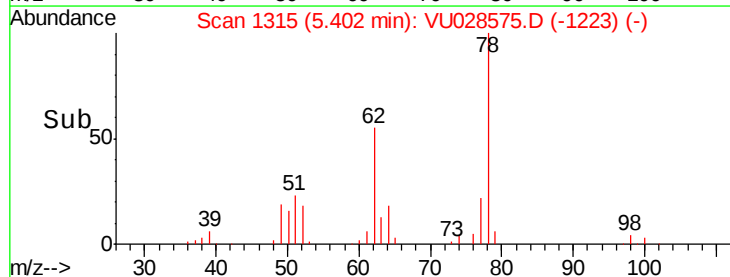
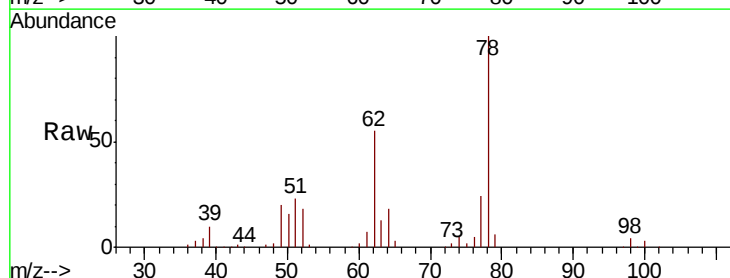
Manual Integrations
APPROVED

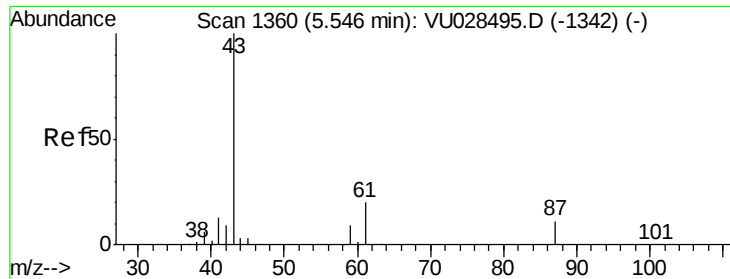
MMDadoda
12/11/2018 12:11:01 PM



#42
1,2-Dichloroethane
Concen: 51.266 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion:	62	Resp:	85382
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	17.2





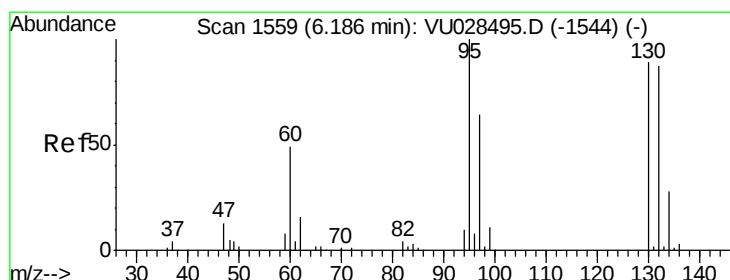
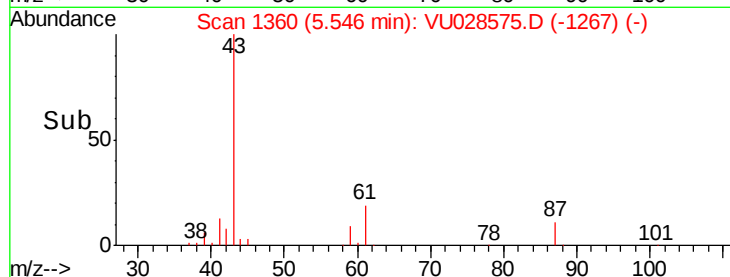
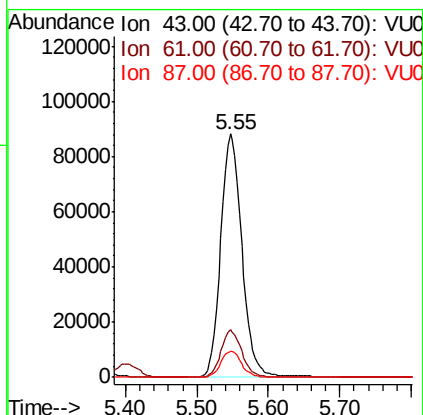
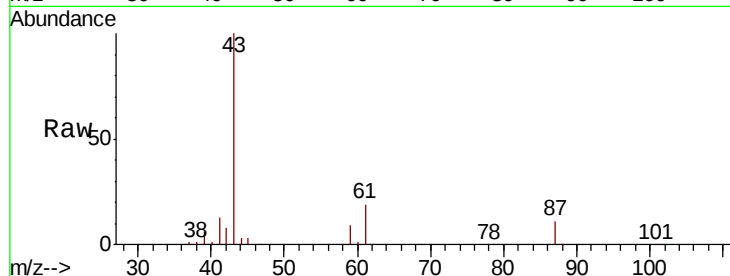
#43
Isopropyl Acetate
Concen: 55.258 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.5	23.3
87	10.5	8.7	13.1

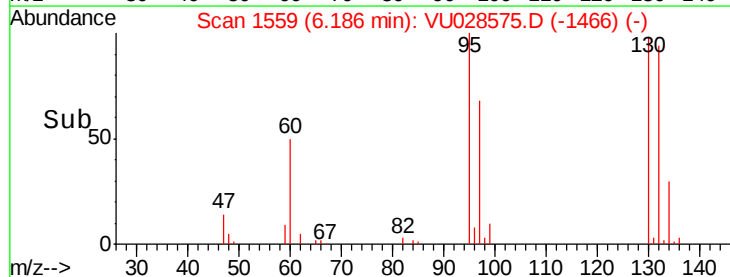
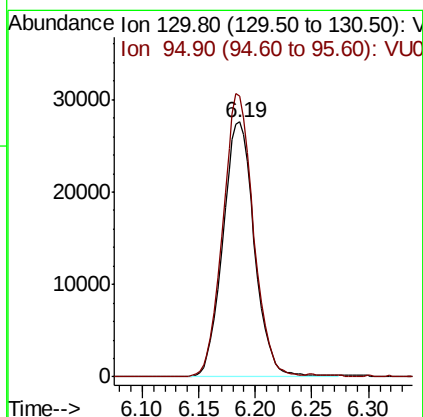
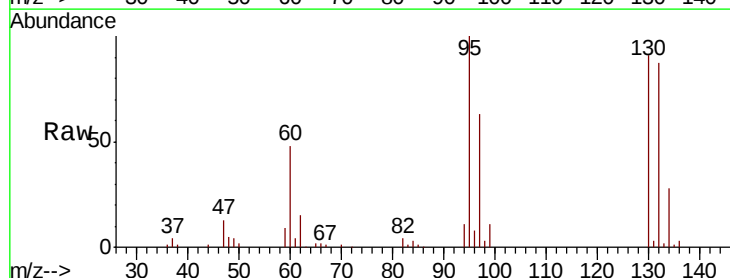
Manual Integrations
APPROVED

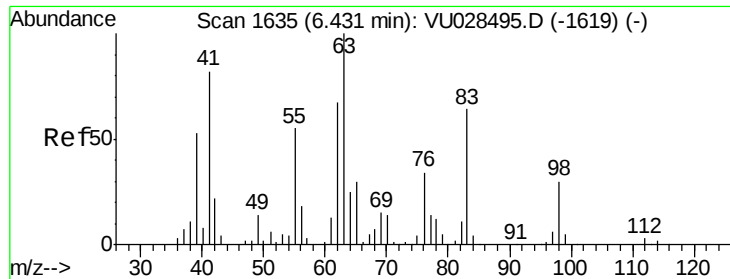
MMDadoda
12/11/2018 12:11:01 PM



#44
Trichloroethene
Concen: 50.565 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.1	0.0	224.0





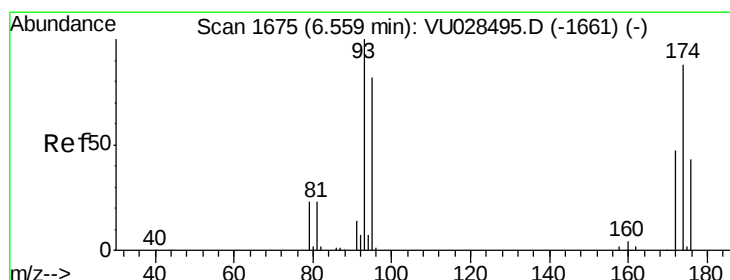
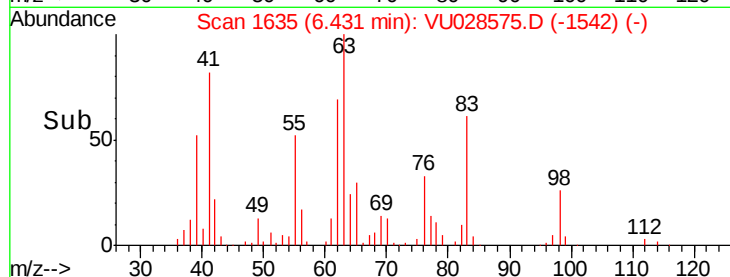
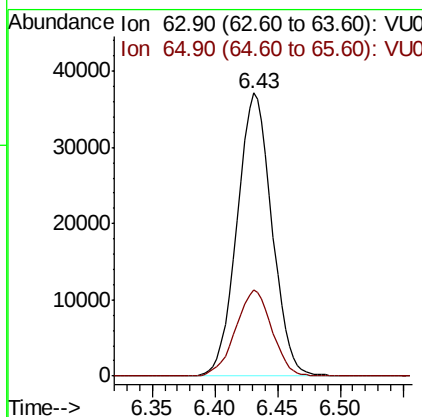
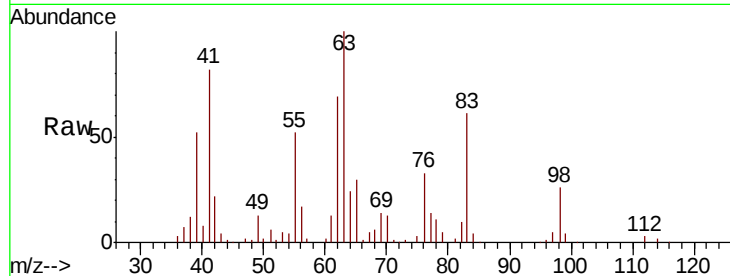
#45
 1,2-Dichloropropane
 Concen: 53.520 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 71610
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.2 36.4

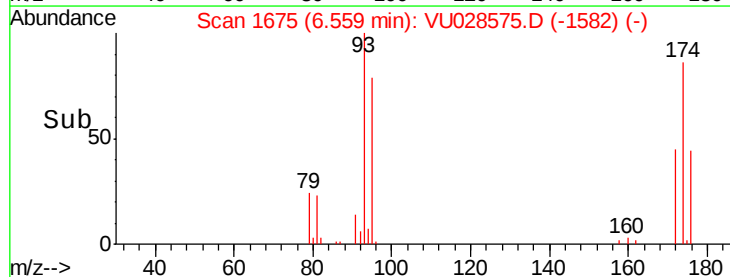
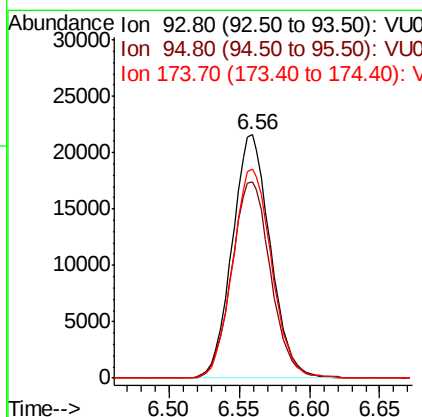
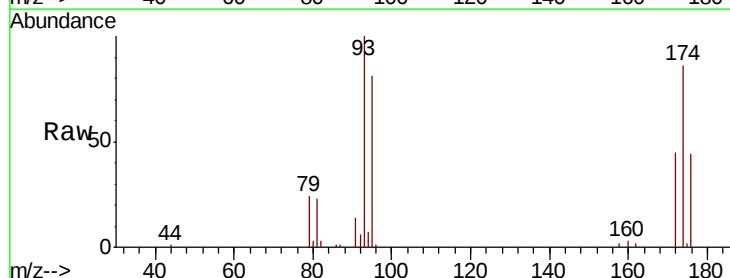
Manual Integrations
 APPROVED

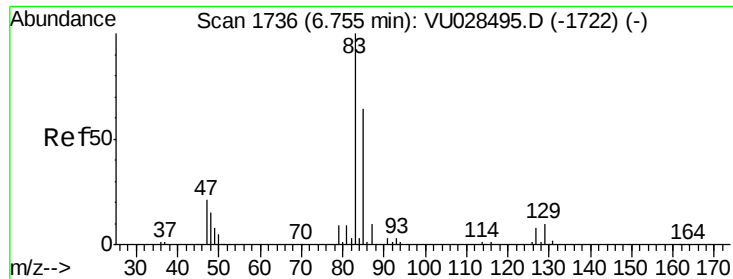
MMDadoda
 12/11/2018 12:11:01 PM



#46
 Dibromomethane
 Concen: 51.463 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion: 93 Resp: 40855
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.4 98.2
 174 87.8 72.2 108.4





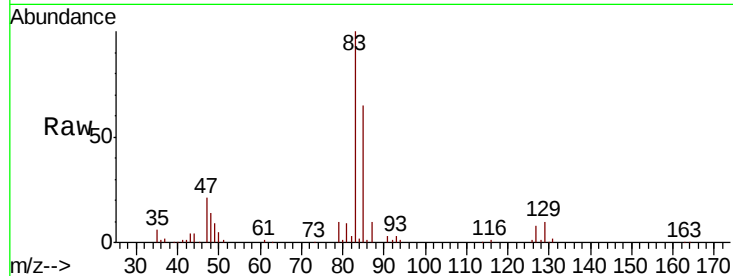
#47
Bromodichloromethane
Concen: 51.731 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	79915
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	51.5	77.3
127	7.6	6.2	9.4

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:01 PM

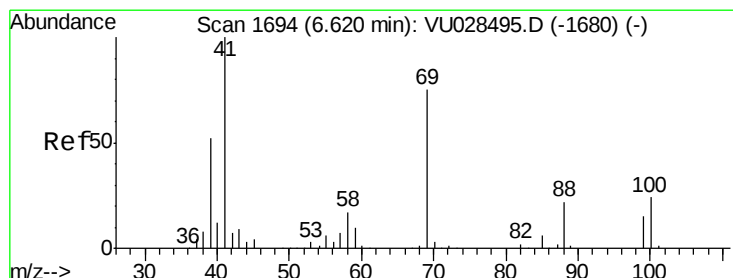
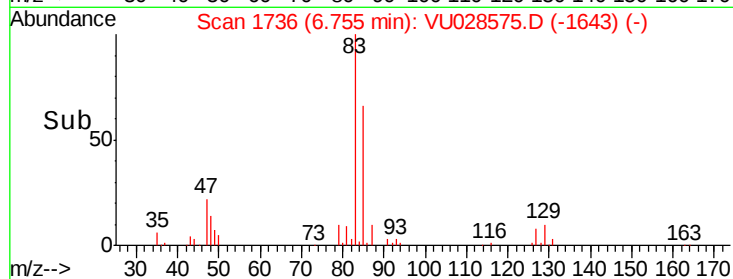
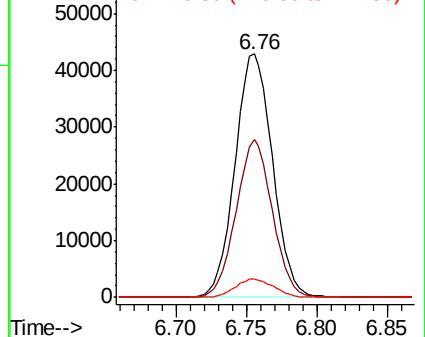


Abundance

Ion 82.90 (82.60 to 83.60): VU028495.D (-1722) (-)

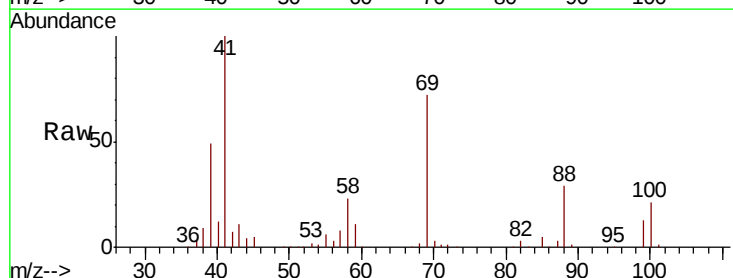
Ion 84.90 (84.60 to 85.60): VU028495.D (-1722) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-1722) (-)



#48
Methyl methacrylate
Concen: 55.478 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion	41	Resp	91133
Ion Ratio	100	Lower	Upper
41	100		
69	73.7	60.4	90.6
39	50.9	41.1	61.7

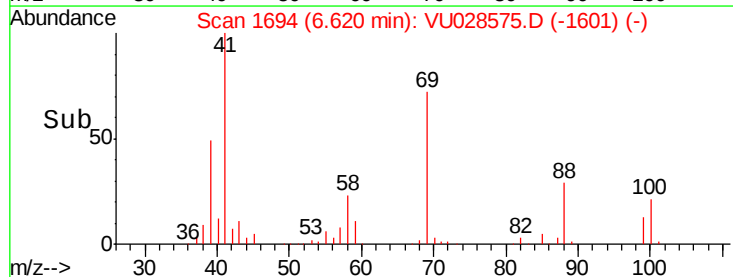
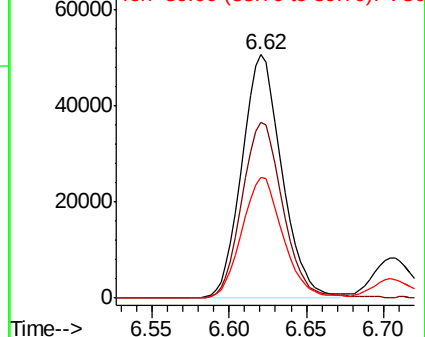


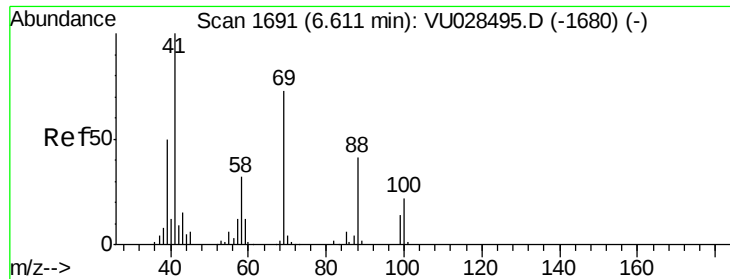
Abundance

Ion 41.00 (40.70 to 41.70): VU028495.D (-1680) (-)

Ion 69.00 (68.70 to 69.70): VU028495.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-1680) (-)





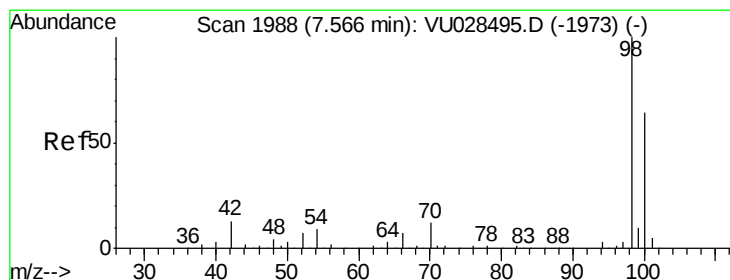
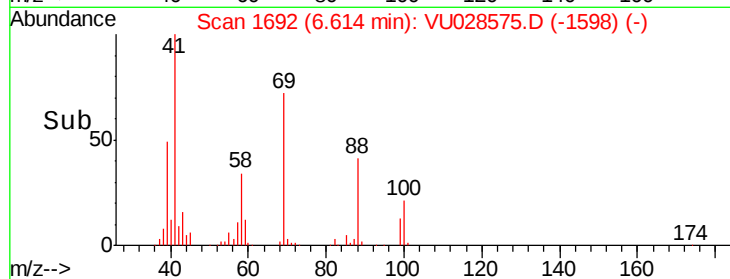
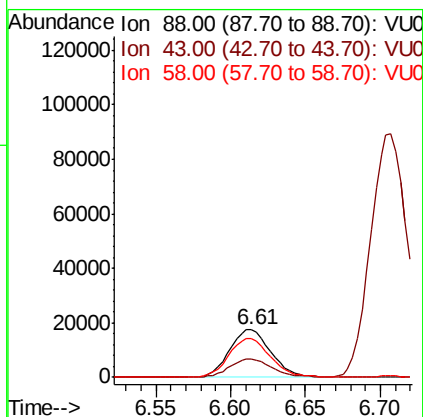
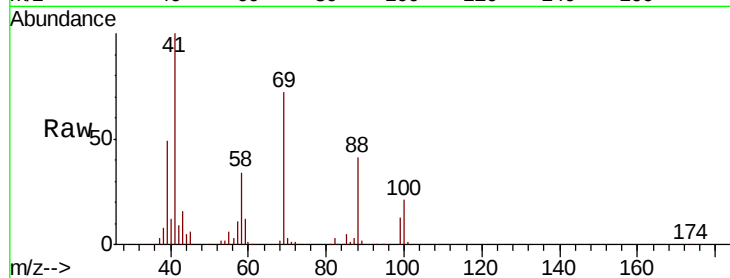
#49
1,4-Dioxane
Concen: 1300.287 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.9	46.3
58	82.5	62.4	93.6

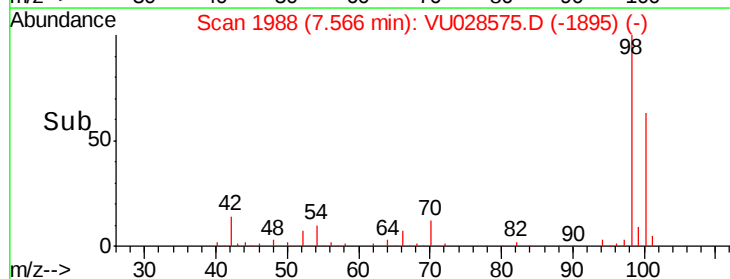
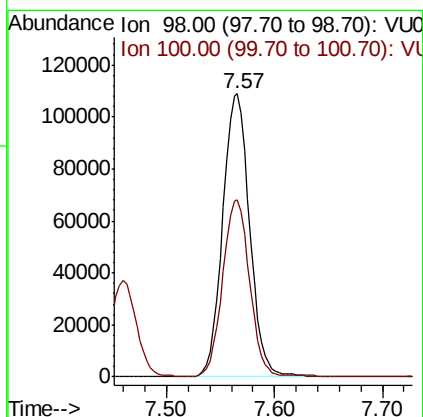
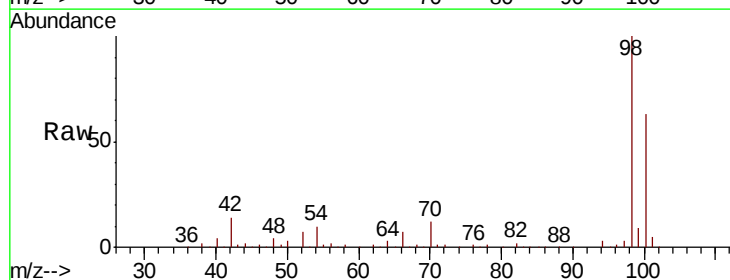
Manual Integrations
APPROVED

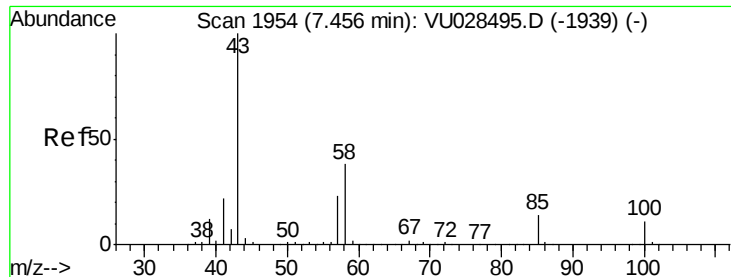
MMDadoda
12/11/2018 12:11:01 PM



#50
Toluene-d8
Concen: 51.603 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.2	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 279.541 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 582382

Ion Ratio Lower Upper

43 100

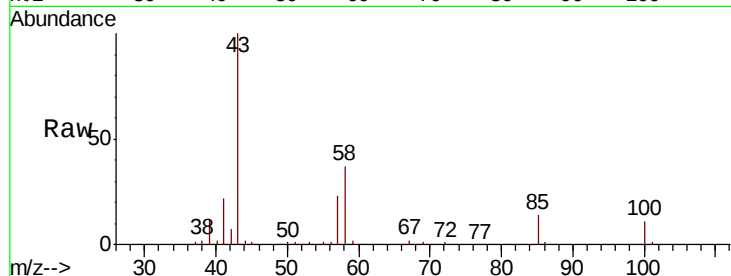
58 36.7 30.2 45.2

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:11:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

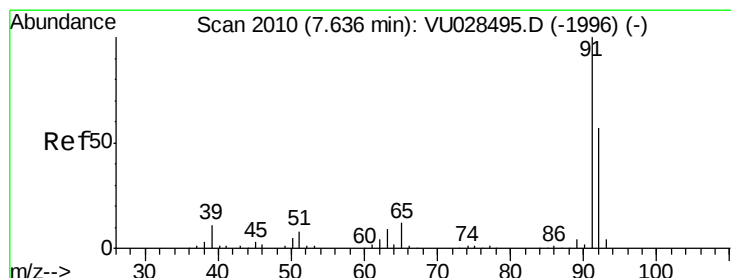
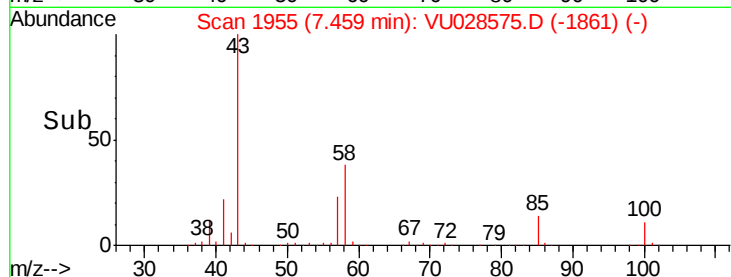
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.540 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028575.D

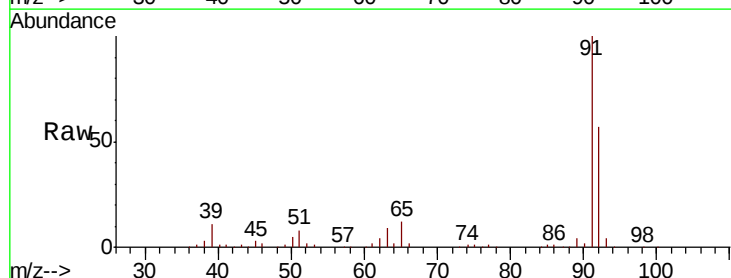
Acq: 11 Dec 2018 01:14

Tgt Ion: 92 Resp: 141521

Ion Ratio Lower Upper

92 100

91 175.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

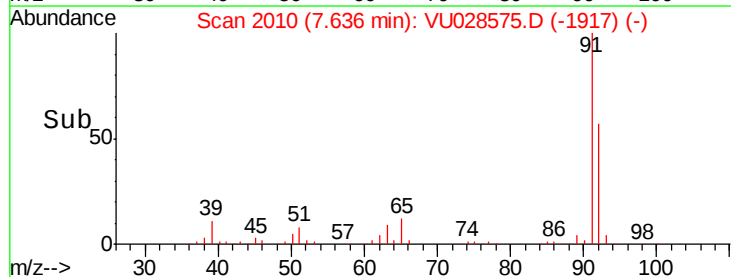
150000

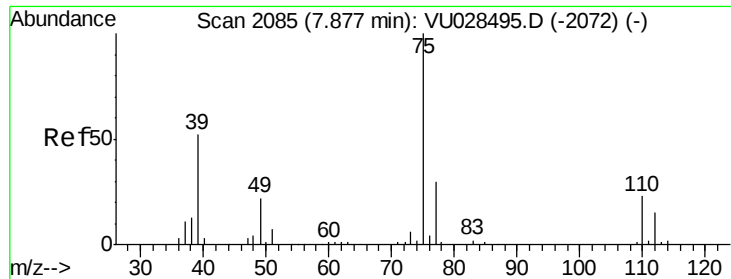
100000

50000

0

Time-->





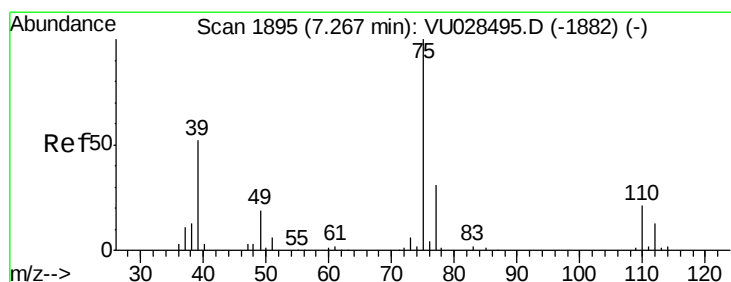
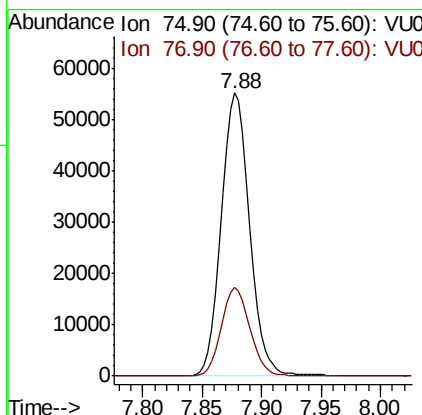
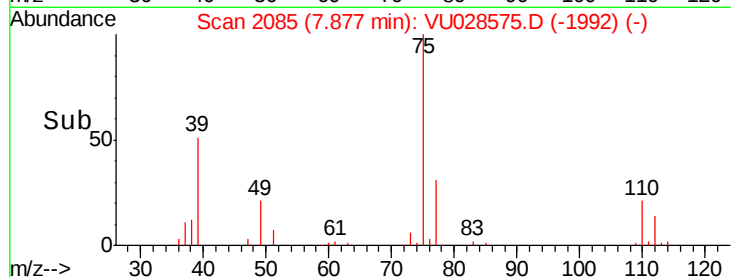
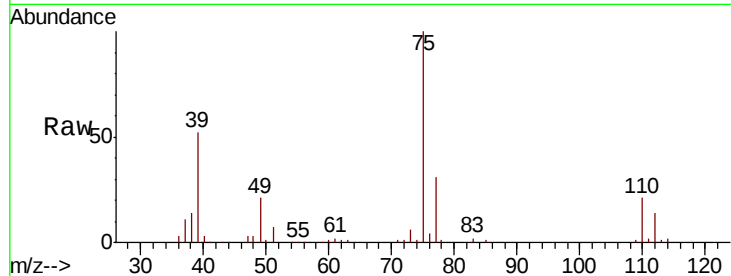
#53
t-1,3-Dichloropropene
Concen: 49.753 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 91539
Ion Ratio Lower Upper
75 100
77 31.2 24.2 36.4

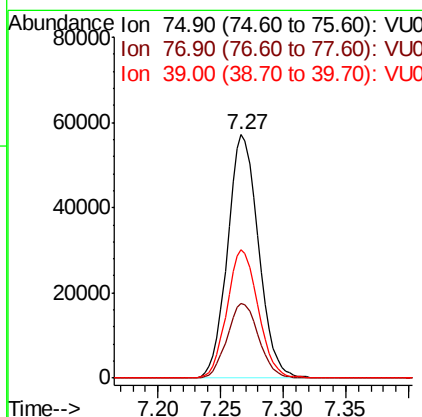
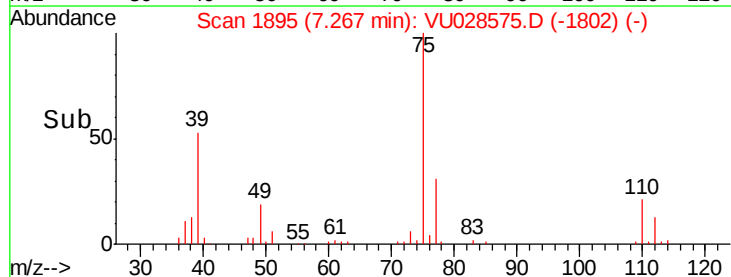
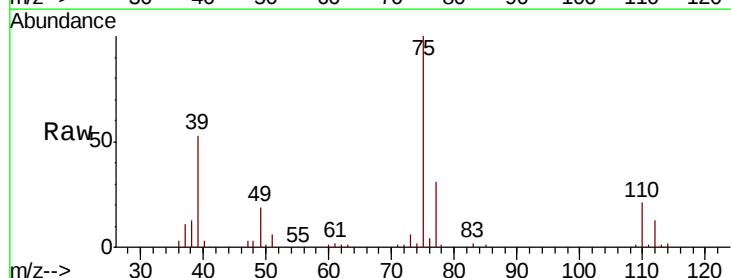
Manual Integrations
APPROVED

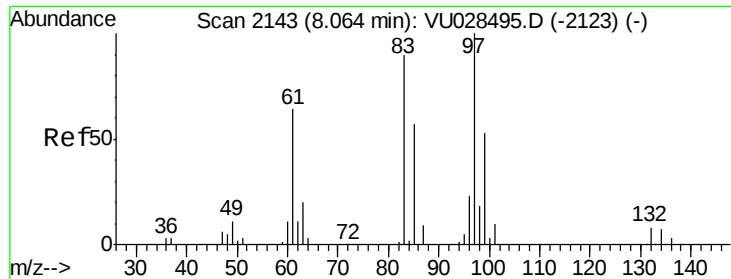
MMDadoda
12/11/2018 12:11:01 PM



#54
cis-1,3-Dichloropropene
Concen: 49.180 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 75 Resp: 98170
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.4
39 53.0 41.3 61.9





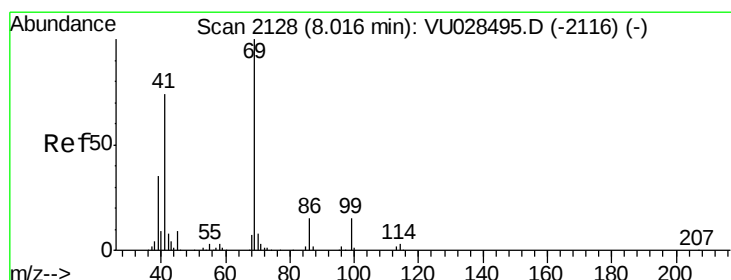
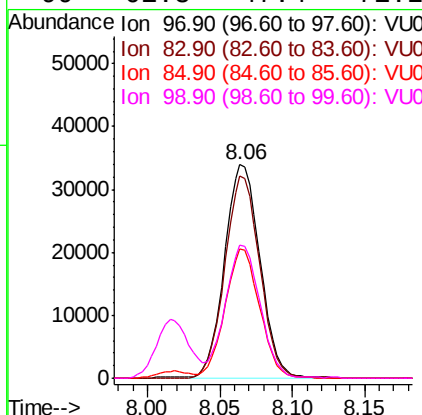
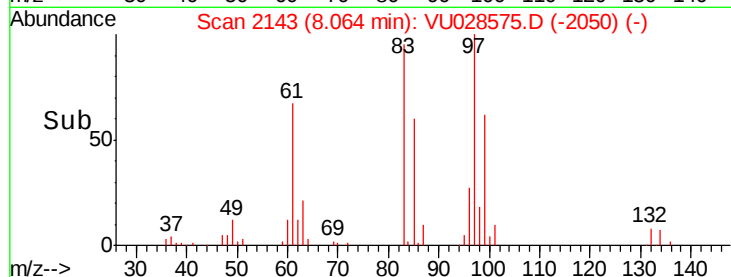
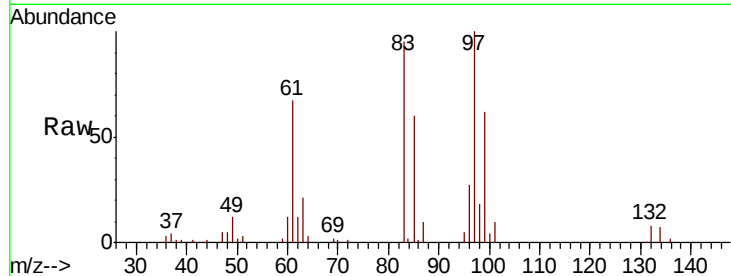
#55
 1,1,2-Trichloroethane
 Concen: 52.127 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	57699
Ion	Ratio	Lower	Upper
97	100		
83	94.8	72.4	108.6
85	60.4	46.0	69.0
99	61.8	47.4	71.2

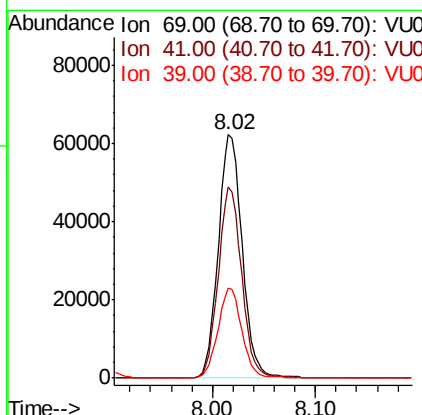
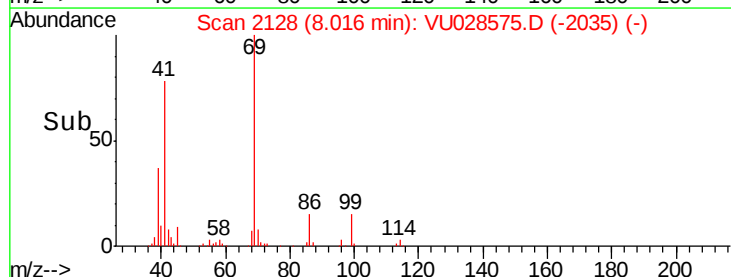
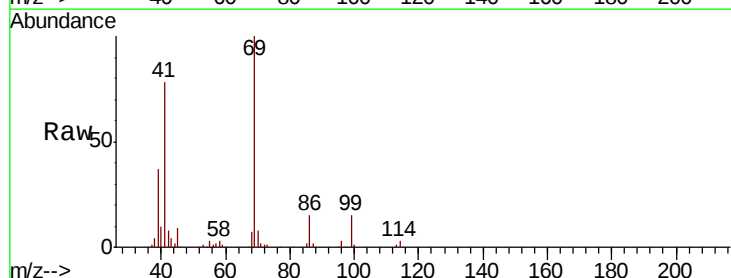
Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:01 PM



#56
 Ethyl methacrylate
 Concen: 52.934 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion:	69	Resp:	100337
Ion	Ratio	Lower	Upper
69	100		
41	76.9	59.1	88.7
39	37.1	28.4	42.6





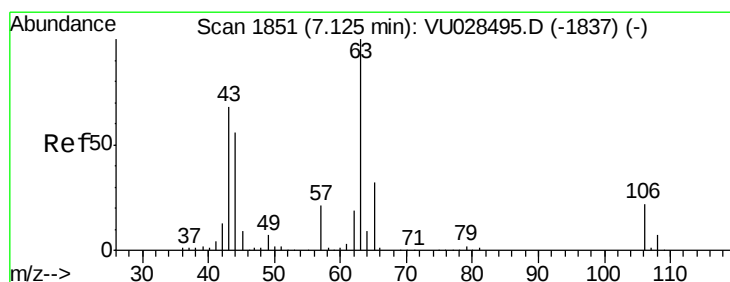
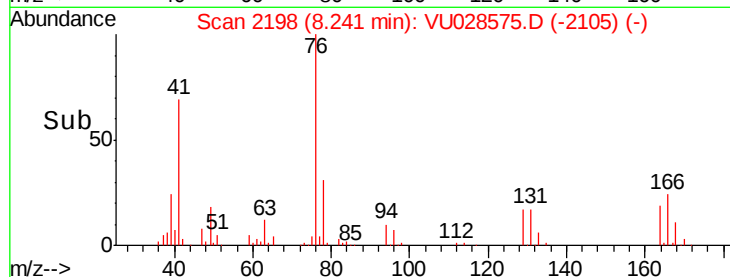
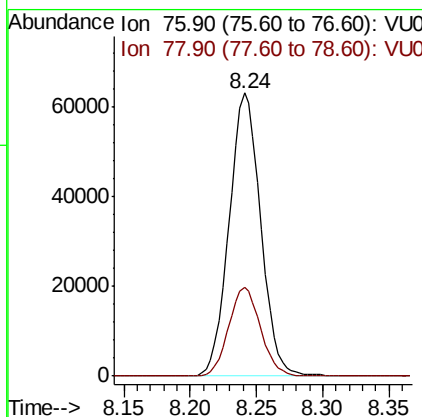
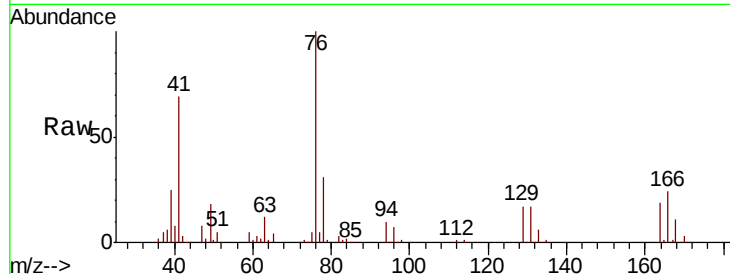
#57
 1,3-Dichloropropane
 Concen: 50.828 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 104437
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.2 37.8

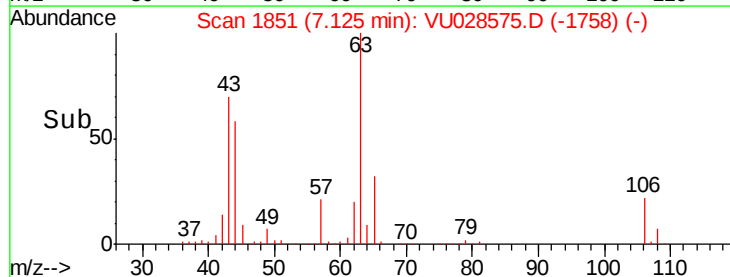
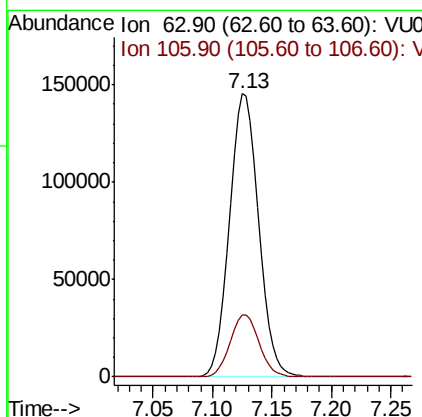
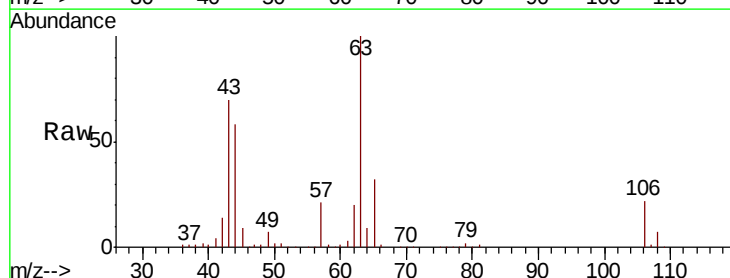
Manual Integrations
 APPROVED

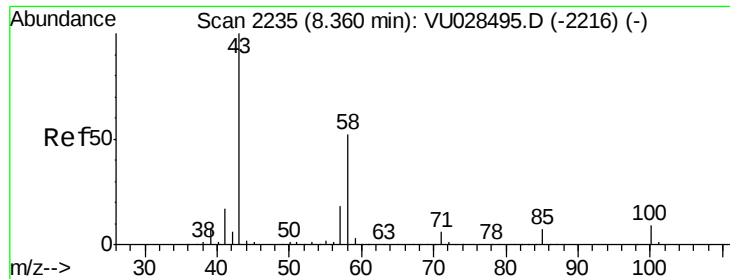
MMDadoda
 12/11/2018 12:11:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.897 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion: 63 Resp: 247475
 Ion Ratio Lower Upper
 63 100
 106 21.8 17.8 26.6





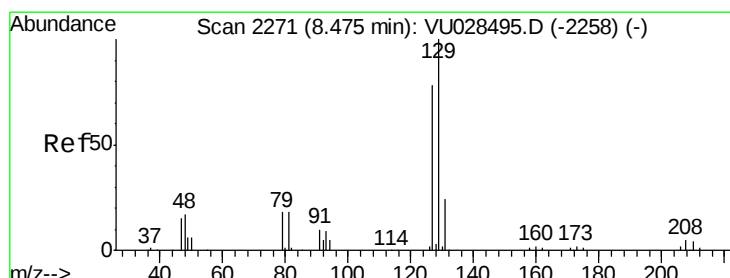
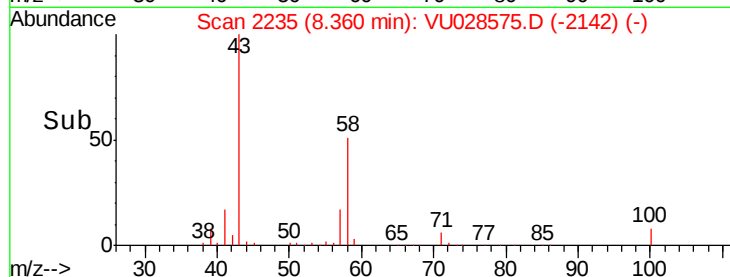
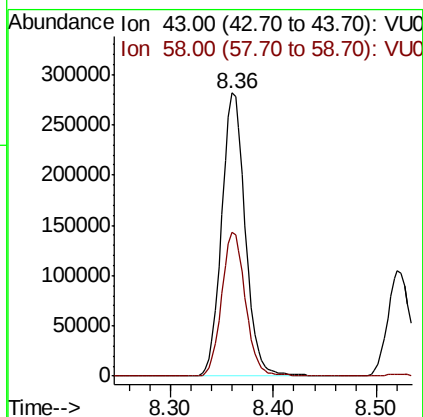
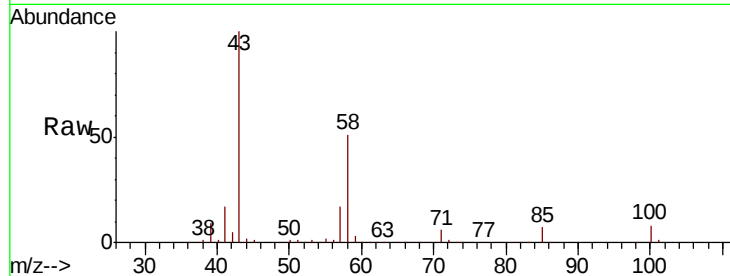
#59
2-Hexanone
Concen: 272.700 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 450303
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6

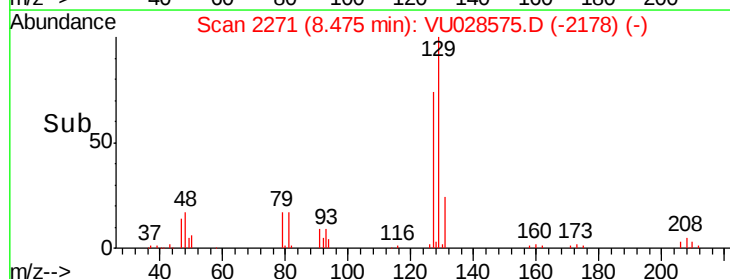
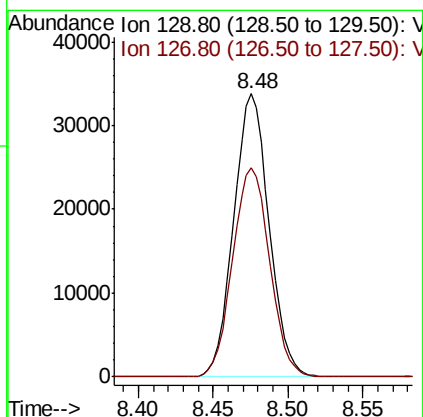
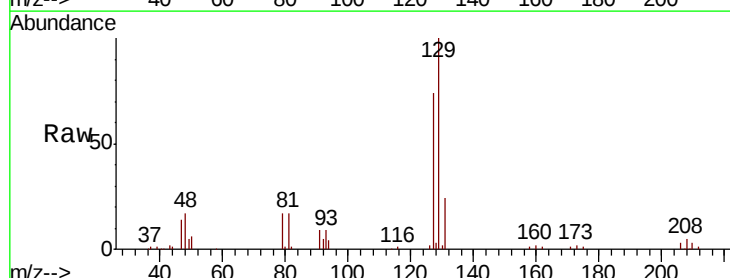
Manual Integrations
APPROVED

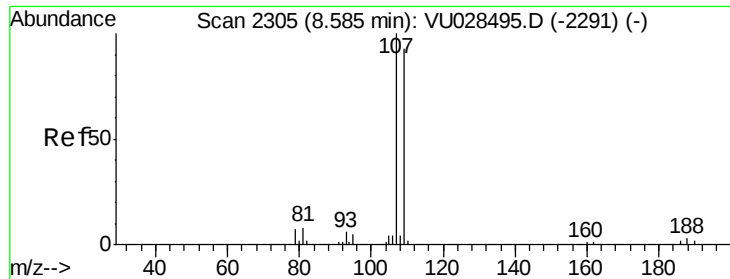
MMDadoda
12/11/2018 12:11:01 PM



#60
Dibromochloromethane
Concen: 51.347 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 129 Resp: 55646
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 51.939 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 60289

Ion Ratio Lower Upper

107 100

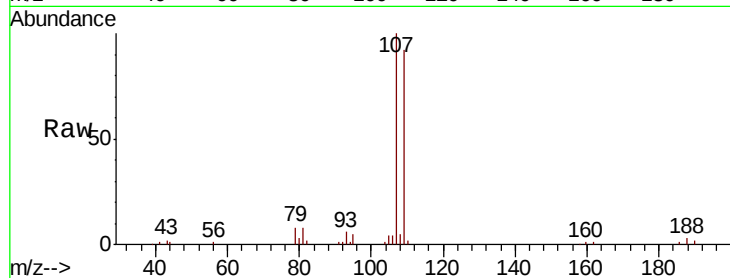
109 93.1 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:11:01 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

40000

30000

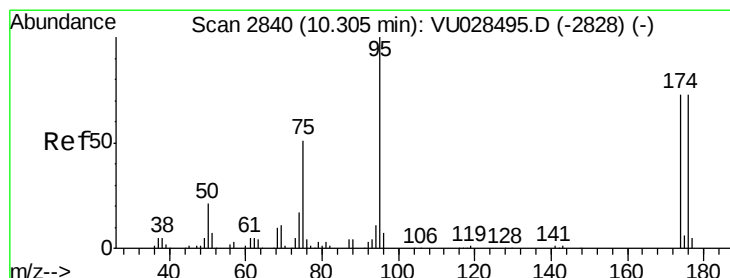
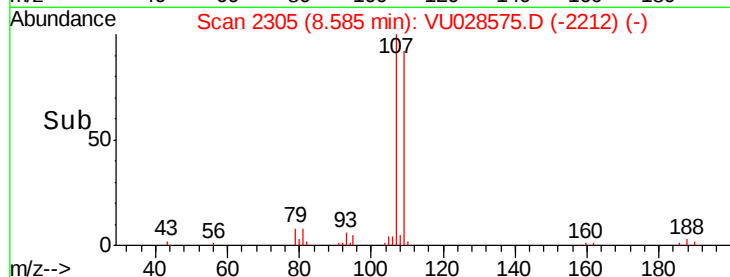
20000

10000

0

8.50 8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 49.945 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

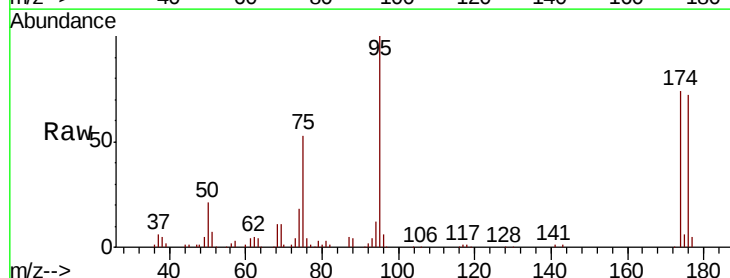
Tgt Ion: 95 Resp: 68606

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.4

176 73.4 0.0 145.2



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

60000

50000

40000

30000

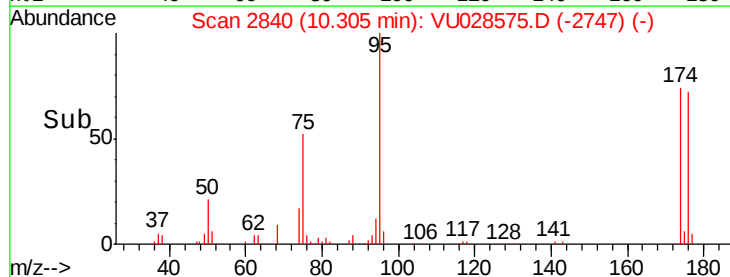
20000

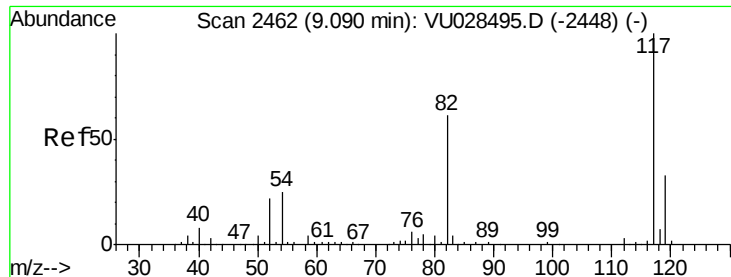
10000

0

10.25 10.30 10.35 10.40

Time-->





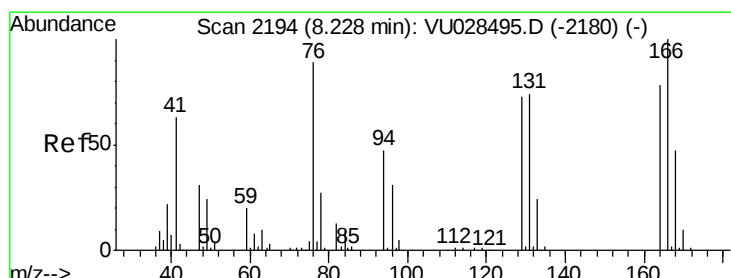
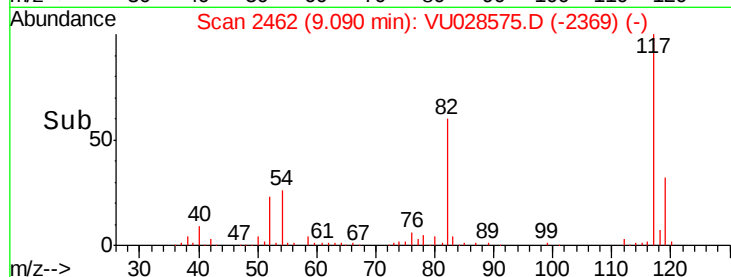
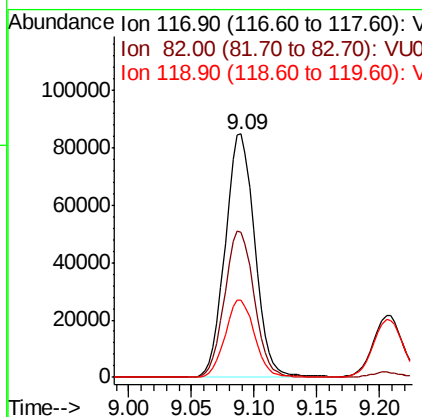
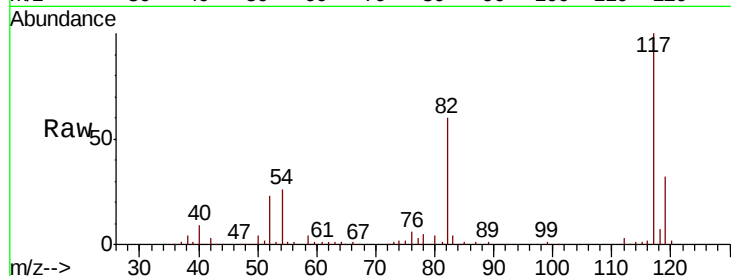
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	48.9	73.3
119	31.7	26.2	39.4

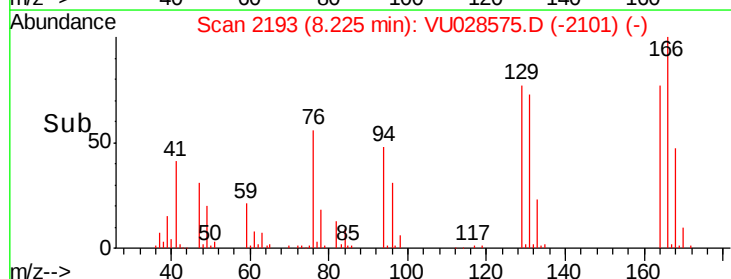
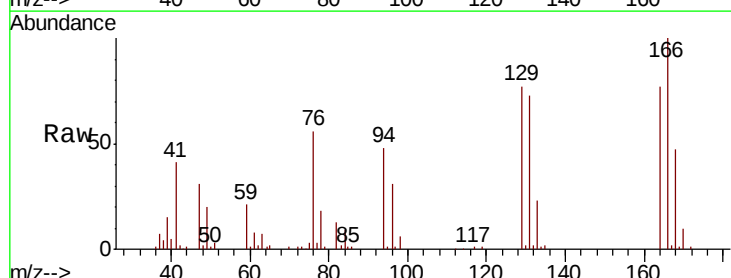
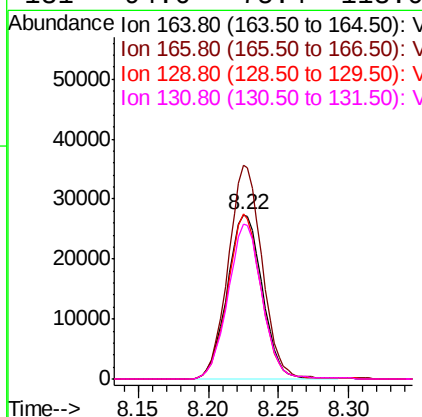
Manual Integrations
APPROVED

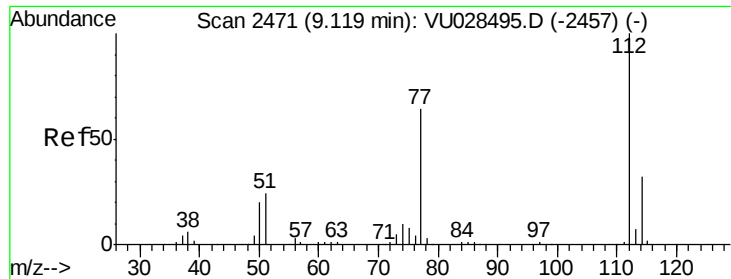
MMDadoda
12/11/2018 12:11:01 PM



#64
Tetrachloroethene
Concen: 51.279 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	101.9	152.9
129	100.5	74.9	112.3
131	94.6	75.4	113.0





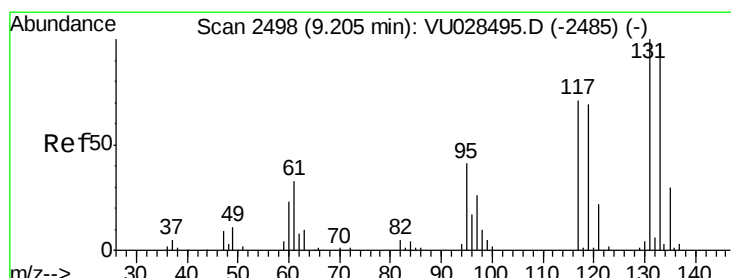
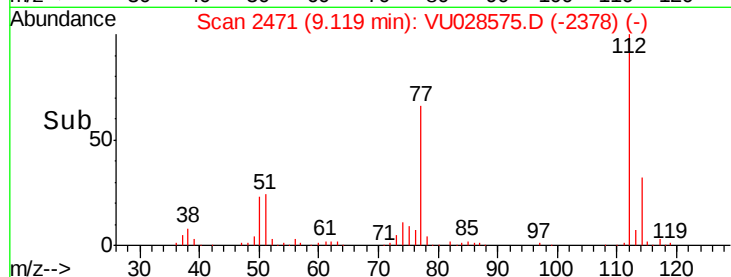
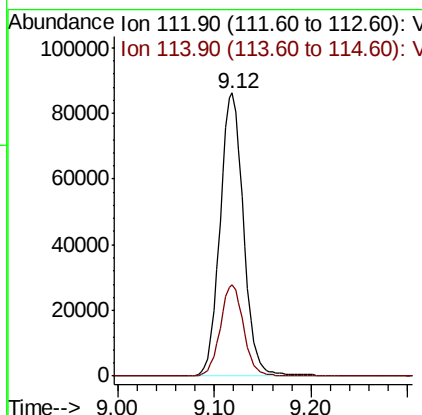
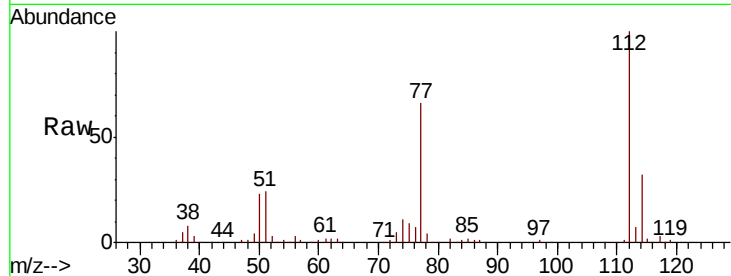
#65
Chlorobenzene
Concen: 48.956 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 145312
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

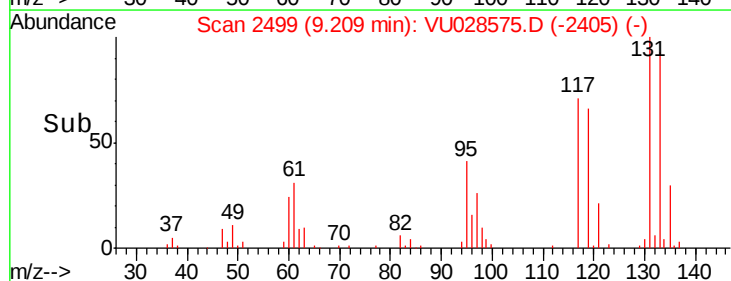
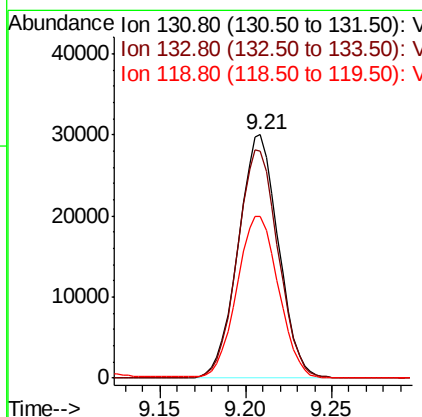
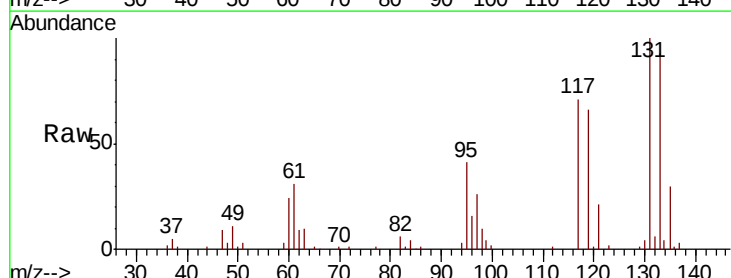
Manual Integrations
APPROVED

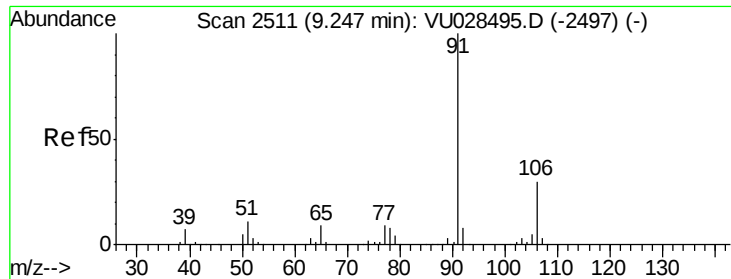
MMDadoda
12/11/2018 12:11:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.663 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion:131 Resp: 48969
Ion Ratio Lower Upper
131 100
133 95.1 48.0 144.0
119 68.8 34.6 103.9





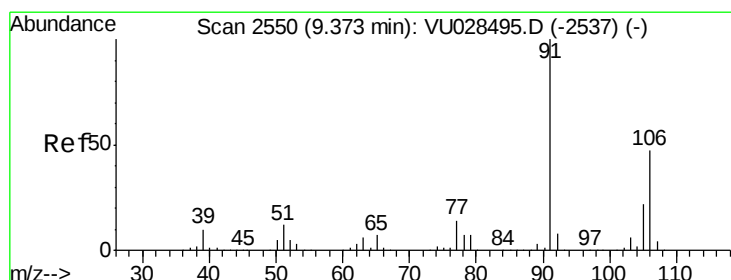
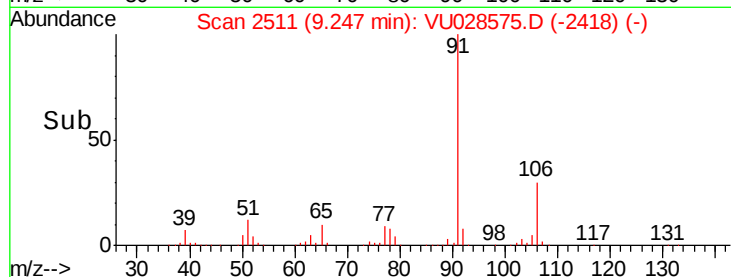
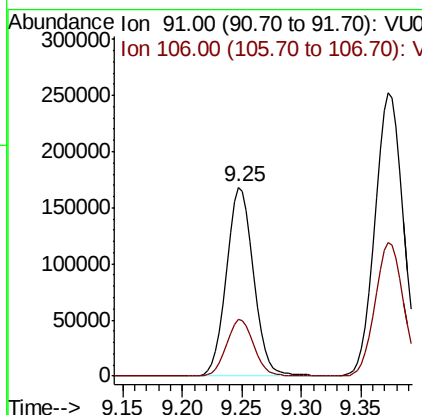
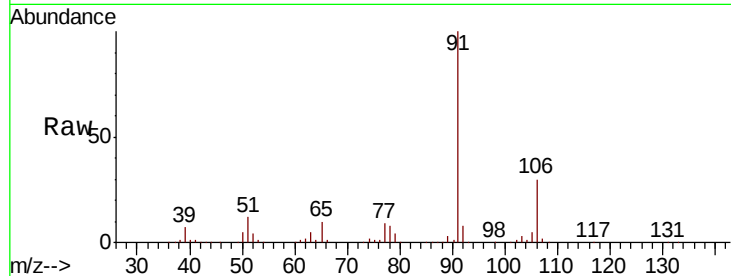
#67
Ethyl Benzene
Concen: 49.034 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 267558
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1

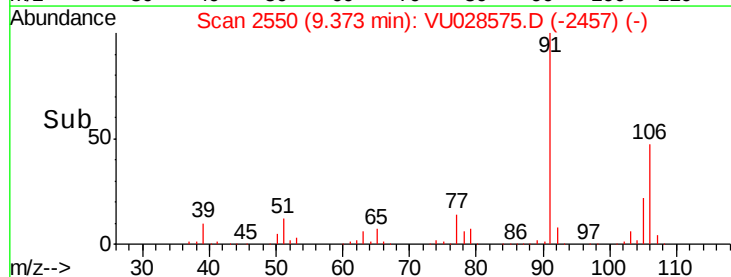
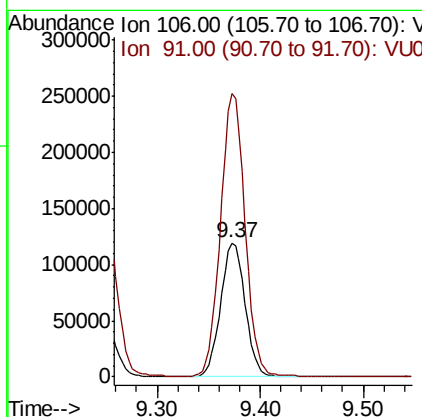
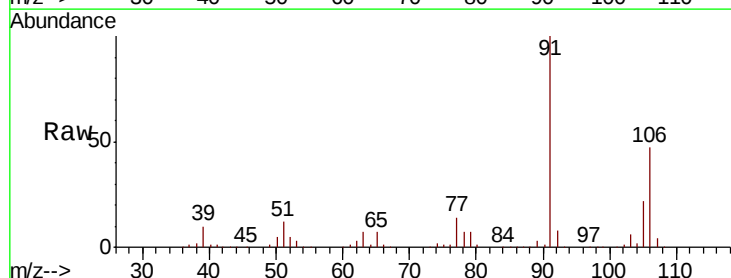
Manual Integrations
APPROVED

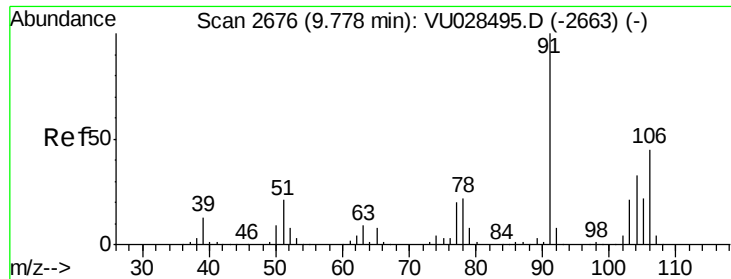
MMDadoda
12/11/2018 12:11:01 PM



#68
m/p-Xylenes
Concen: 99.587 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion: 106 Resp: 197728
Ion Ratio Lower Upper
106 100
91 211.9 167.4 251.0





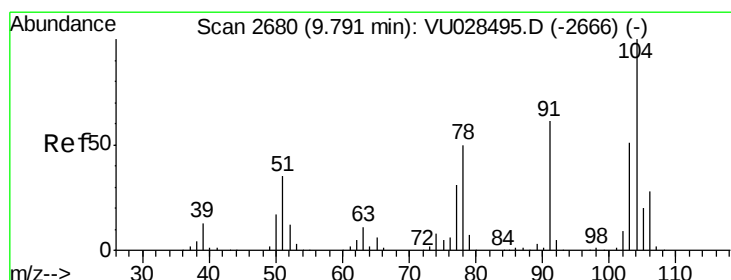
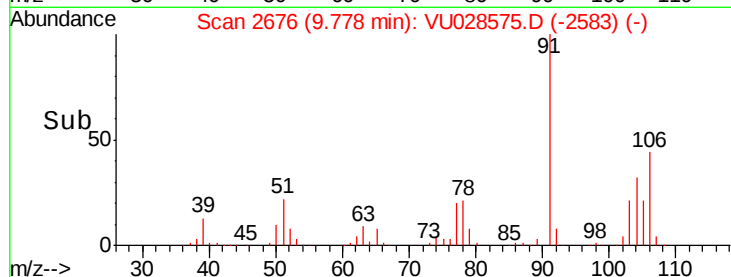
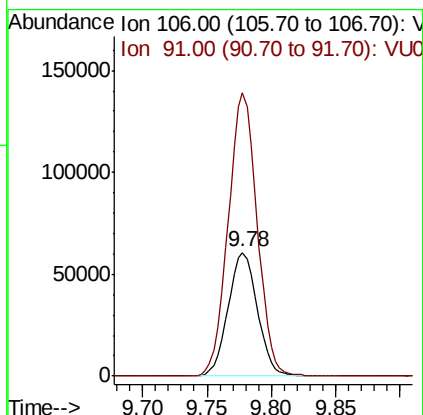
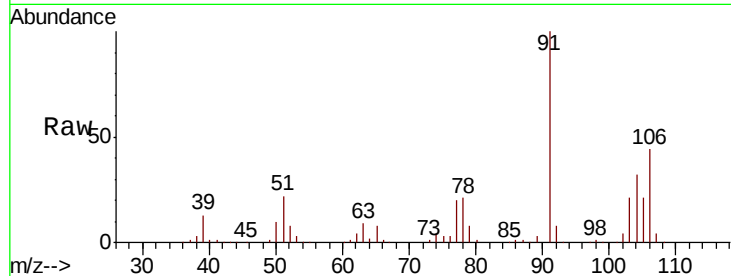
#69
o-Xylene
Concen: 49.609 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 95721
Ion Ratio Lower Upper
106 100
91 226.4 111.3 334.0

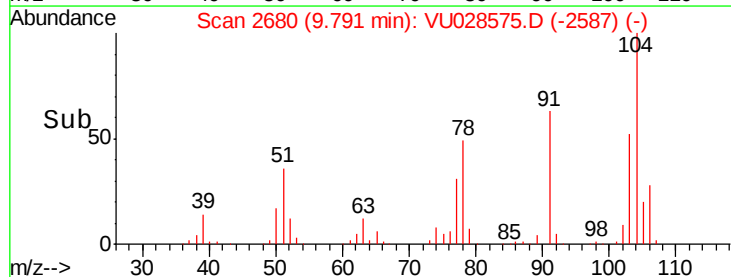
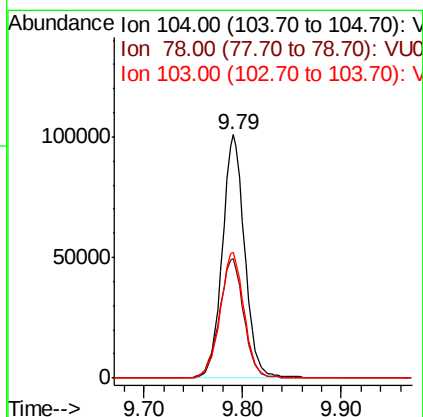
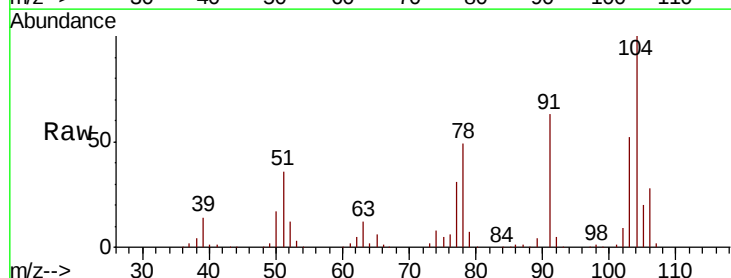
Manual Integrations
APPROVED

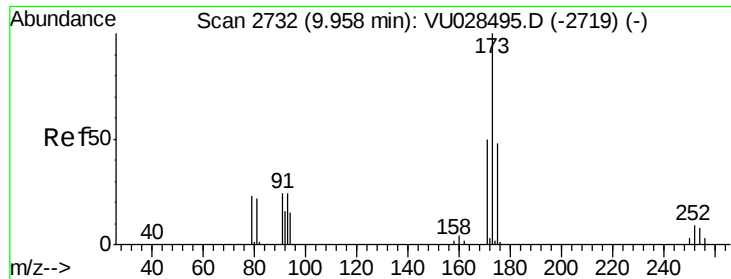
MMDadoda
12/11/2018 12:11:01 PM



#70
Styrene
Concen: 50.175 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion:104 Resp: 160216
Ion Ratio Lower Upper
104 100
78 53.6 43.0 64.6
103 55.2 44.2 66.4





#71

Bromoform

Concen: 52.371 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 42228

Ion Ratio Lower Upper

173 100

175 49.1 23.9 71.8

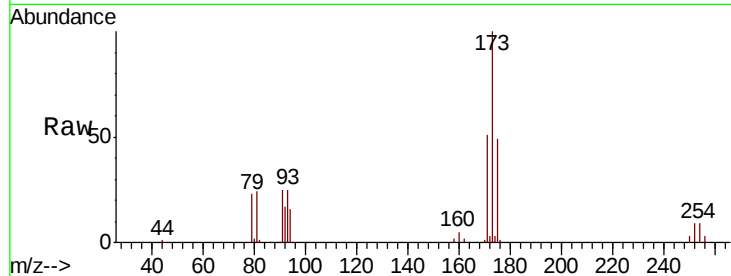
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

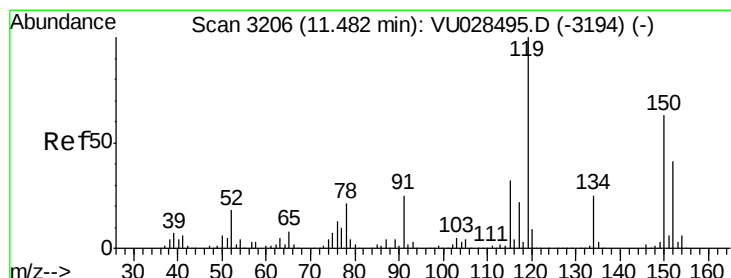
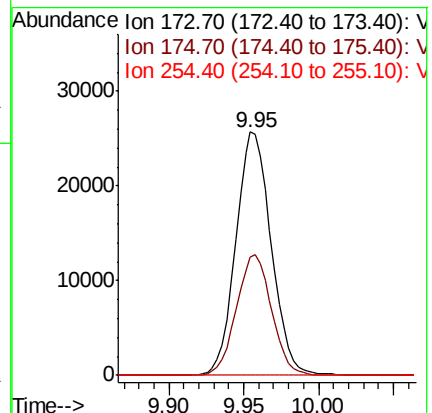
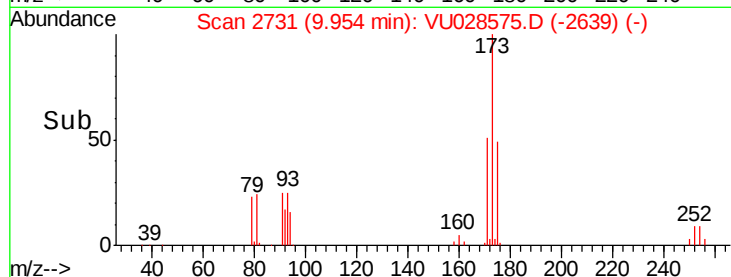
12/11/2018 12:11:01 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

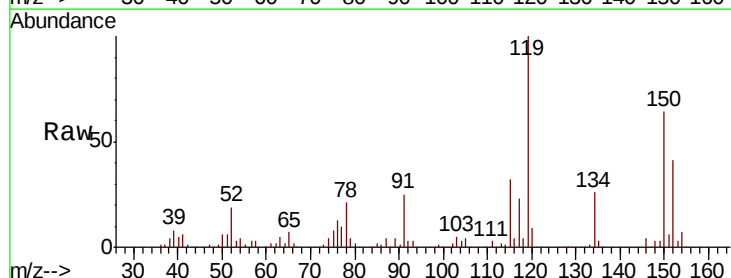
Tgt Ion:152 Resp: 67811

Ion Ratio Lower Upper

152 100

115 84.7 42.7 128.1

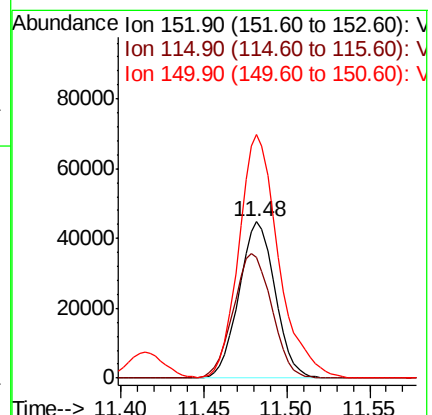
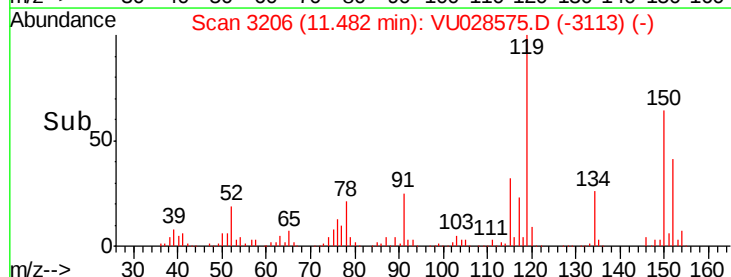
150 171.5 0.0 346.0

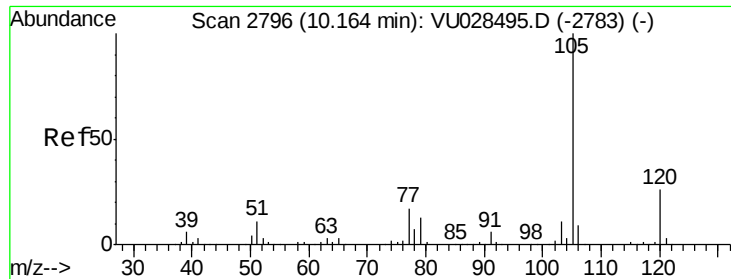


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.108 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 255527

Ion Ratio Lower Upper

105 100

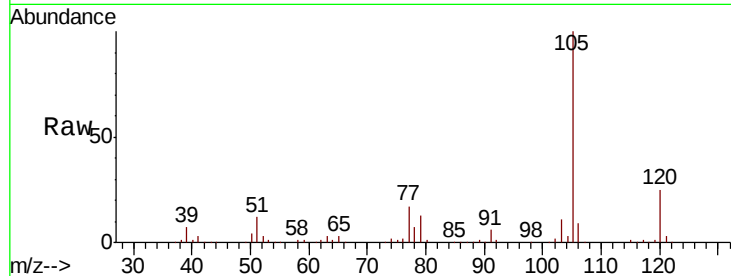
120 25.6 12.9 38.6

Manual Integrations

APPROVED

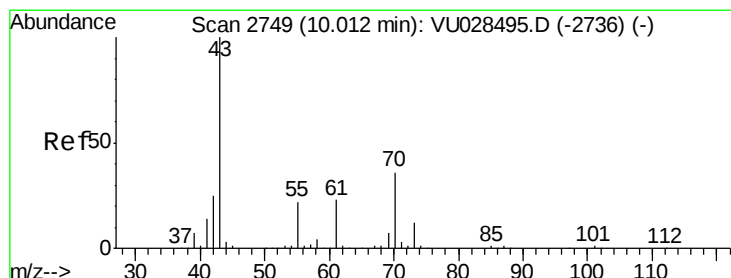
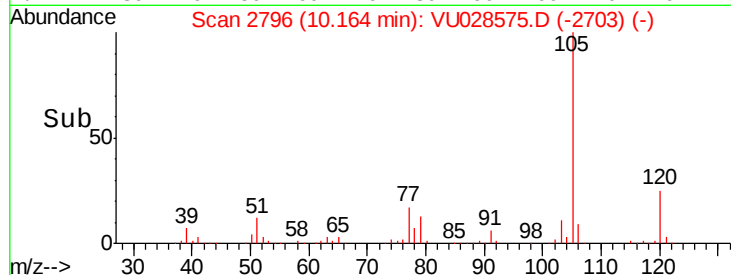
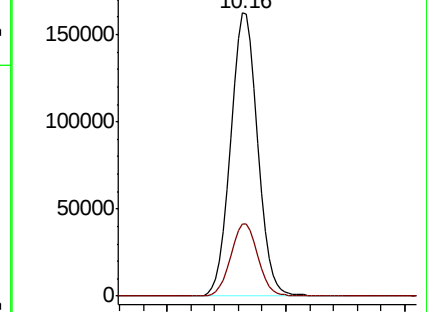
MMDadoda

12/11/2018 12:11:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.749 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Tgt Ion: 43 Resp: 158323

Ion Ratio Lower Upper

43 100

70 36.7 29.3 43.9

55 23.1 18.0 27.0

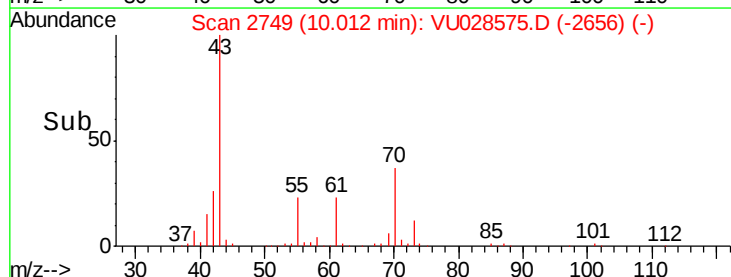
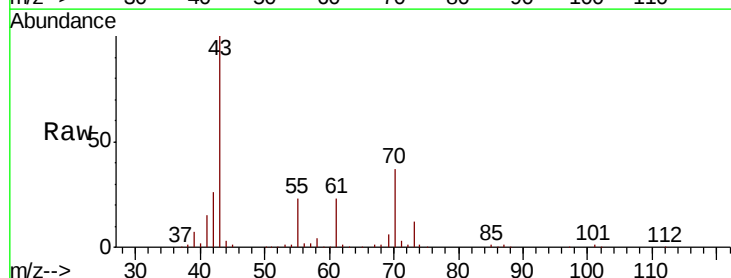
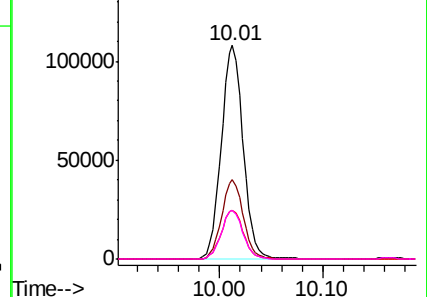
61 22.7 18.3 27.5

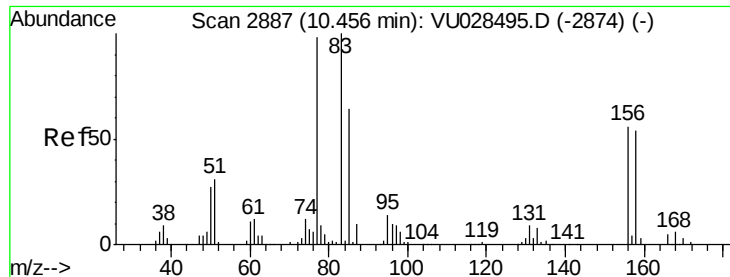
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.109 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 106157
Ion Ratio Lower Upper

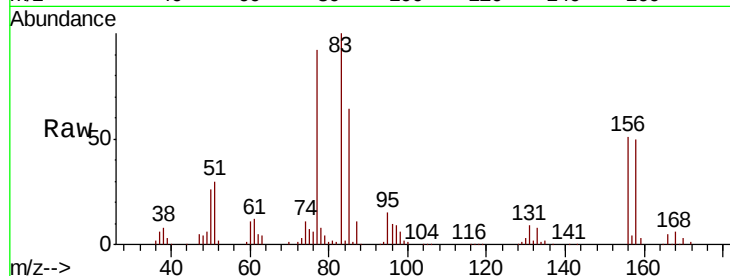
83 100

131 8.7 4.2 12.4

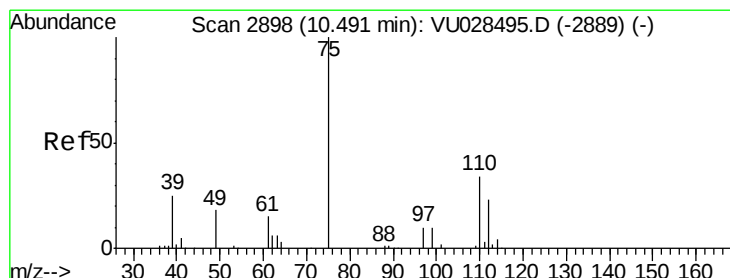
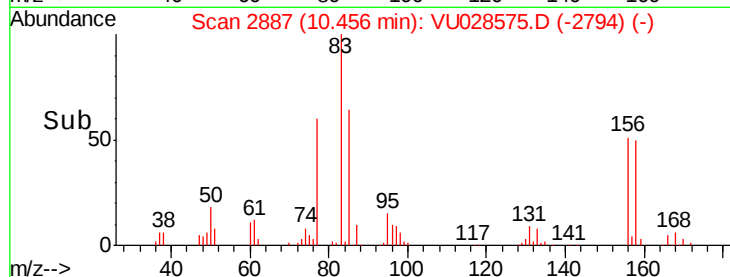
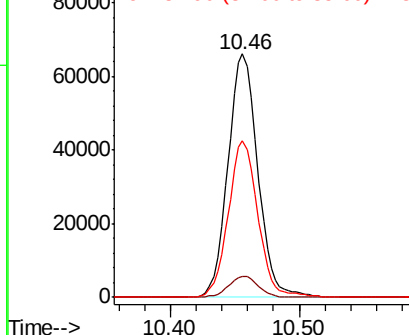
85 63.9 31.8 95.4

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:01 PM



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): VU0
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 54.633 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

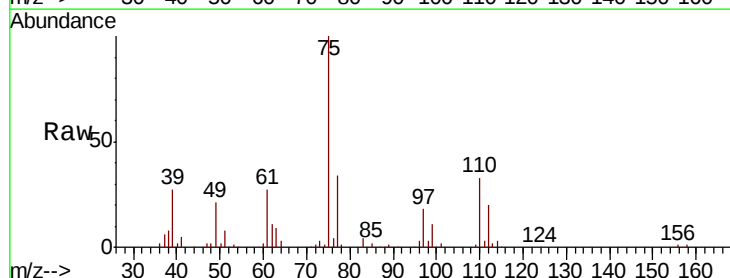
Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

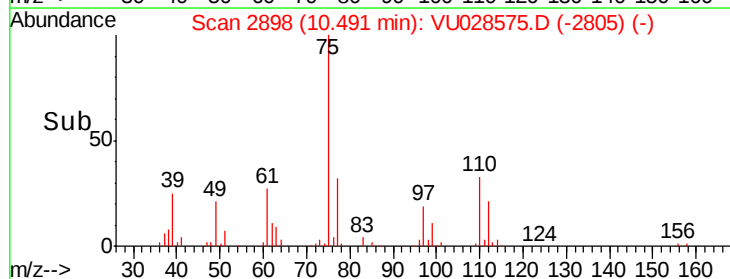
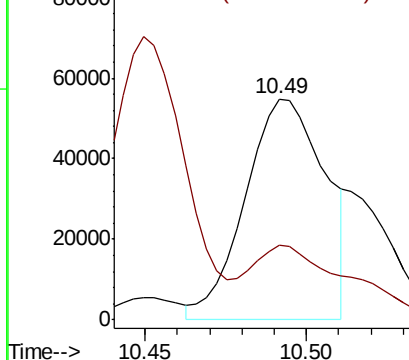
Tgt Ion: 75 Resp: 94601
Ion Ratio Lower Upper

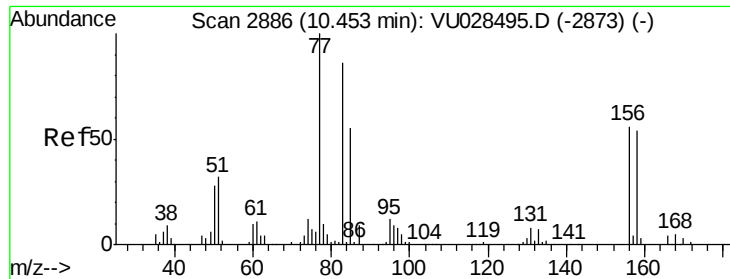
75 100

77 40.8 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 49.441 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

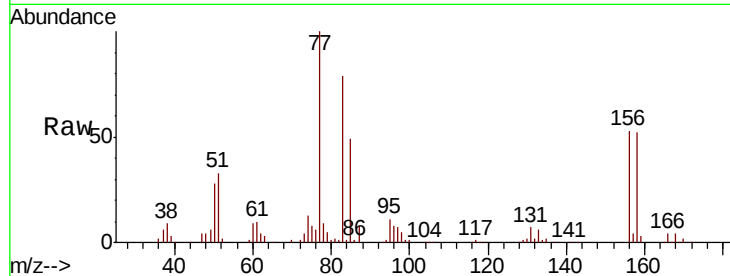
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	188.2	92.4	277.2
158	97.7	48.4	145.3

Manual Integrations
APPROVED

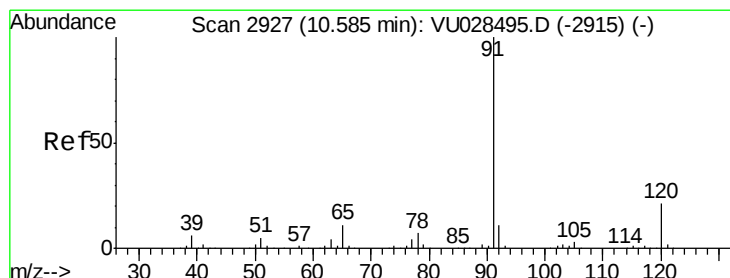
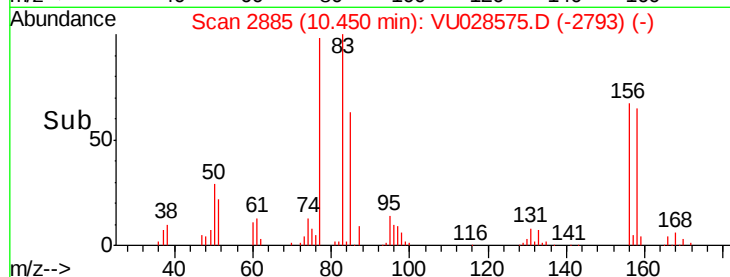
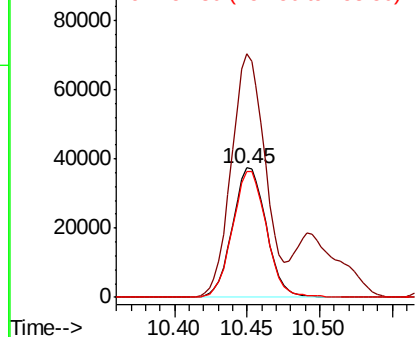
MMDadoda
12/11/2018 12:11:01 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.119 ug/l

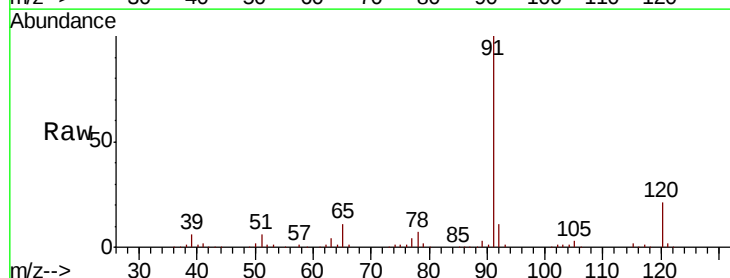
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028575.D

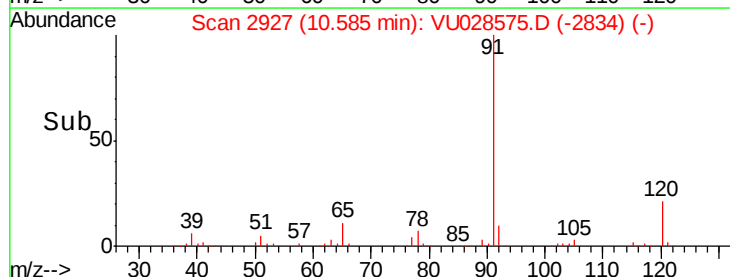
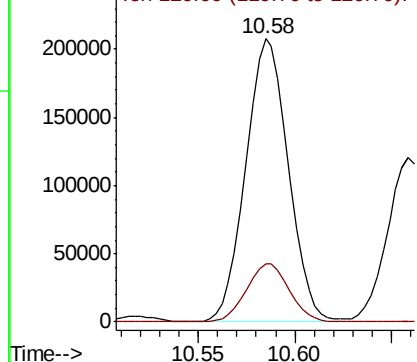
Acq: 11 Dec 2018 01:14

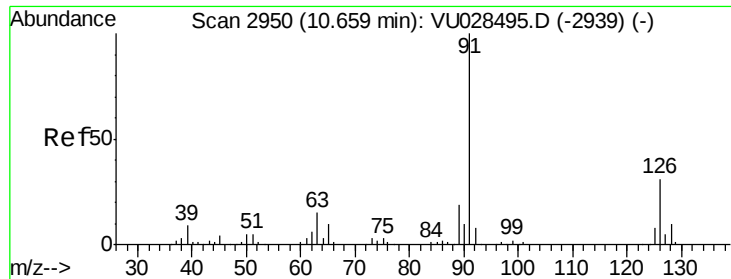
Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





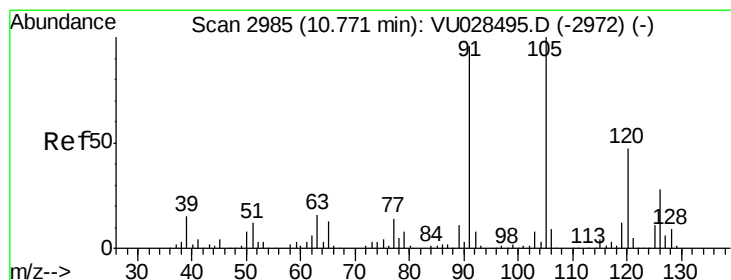
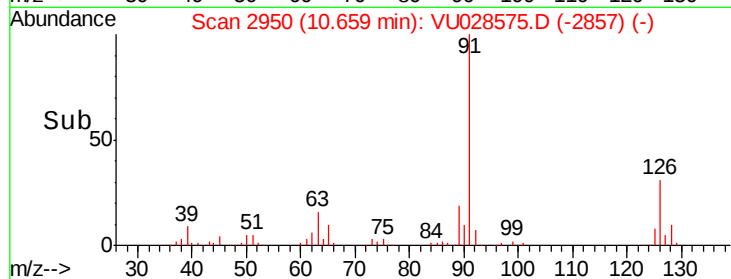
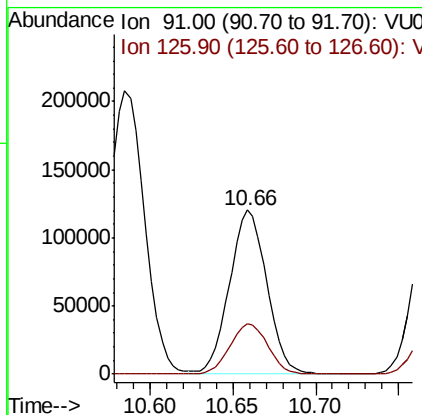
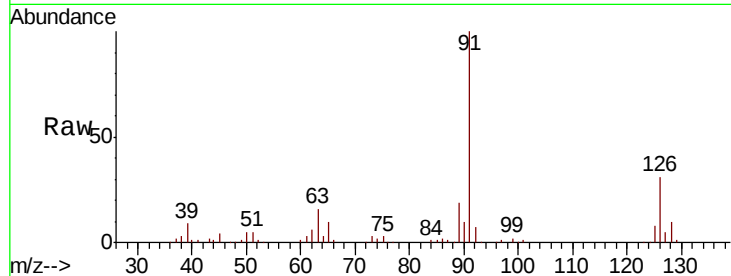
#79
 2-Chlorotoluene
 Concen: 50.450 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 187894
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.6 46.8

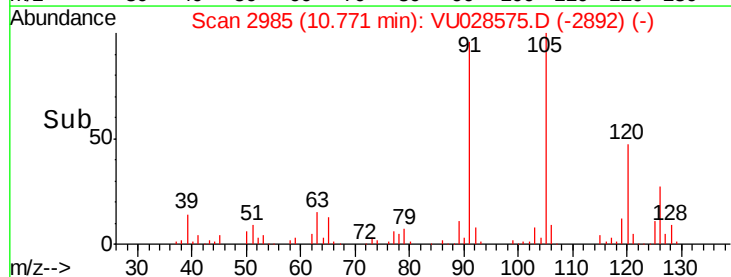
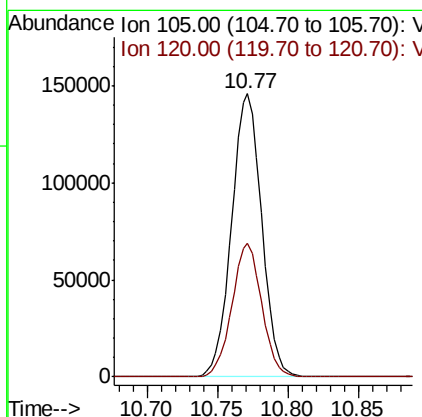
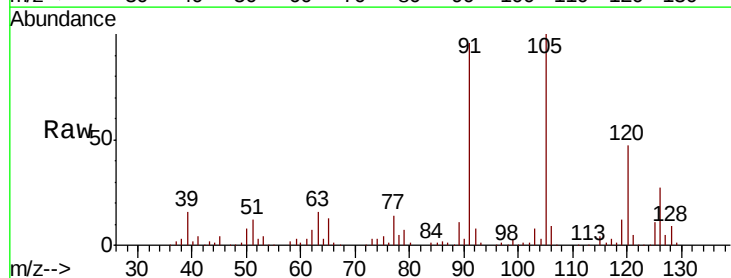
Manual Integrations
 APPROVED

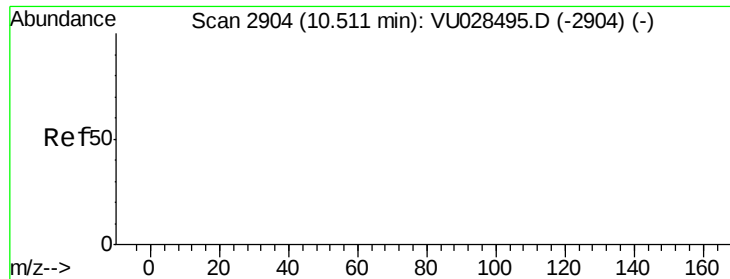
MMDadoda
 12/11/2018 12:11:01 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.600 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion: 105 Resp: 217944
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 53.422 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

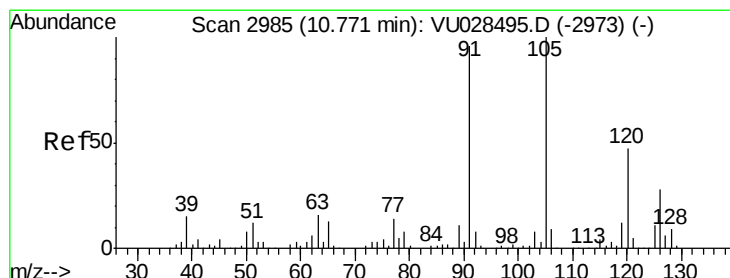
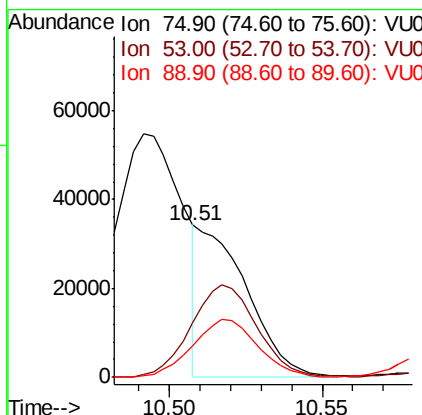
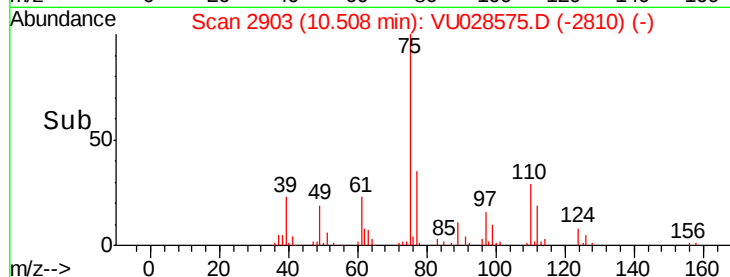
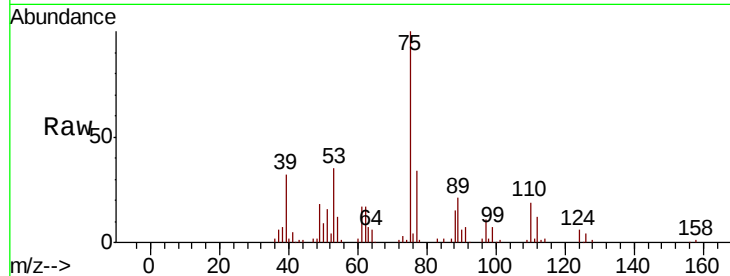
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:01 PM



#82

4-Chlorotoluene

Concen: 48.621 ug/l

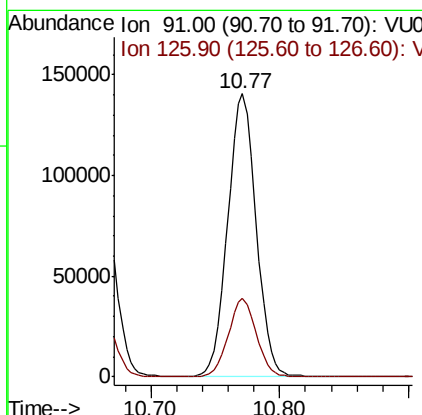
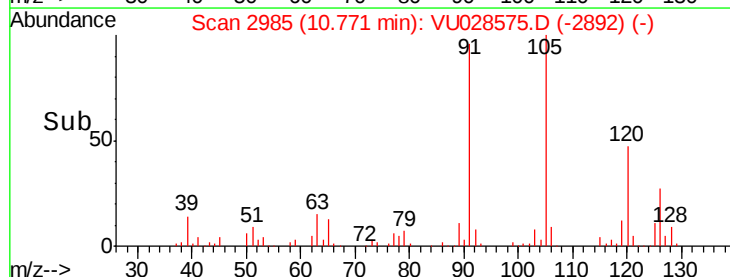
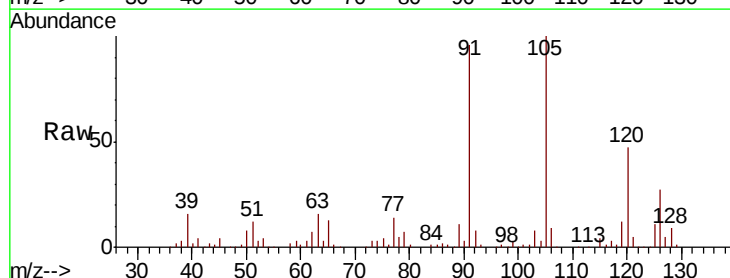
RT: 10.77 min Scan# 2985

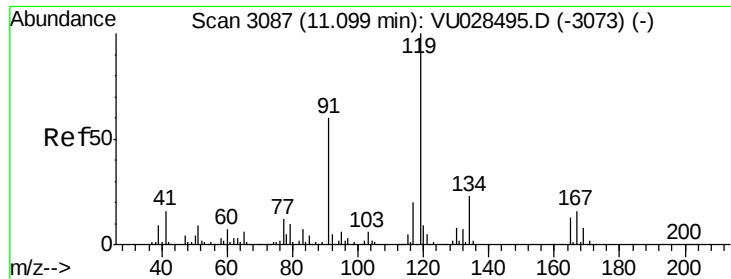
Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.1	42.3





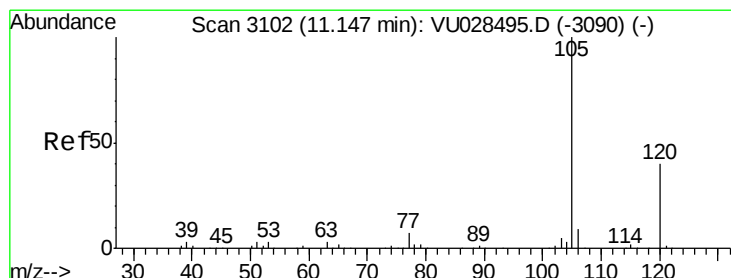
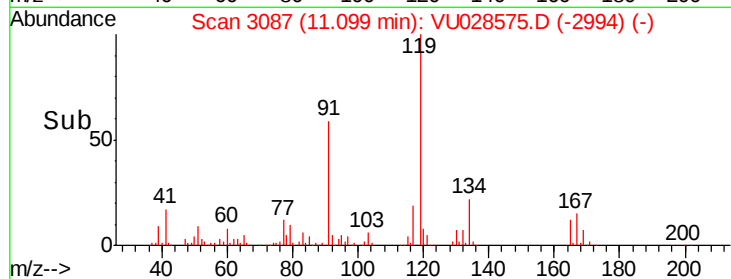
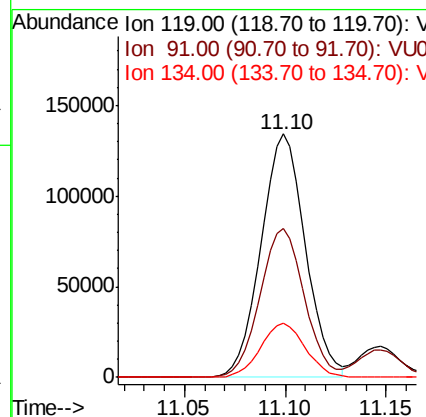
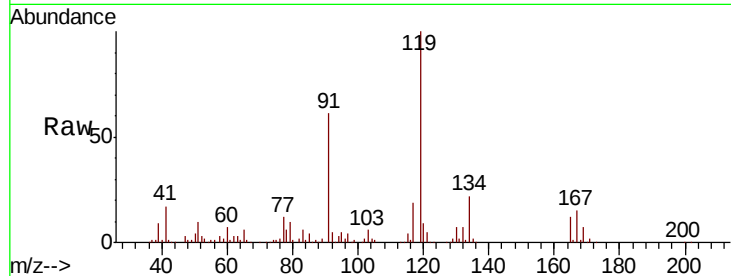
#83
tert-Butylbenzene
Concen: 49.541 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	205672		
91	61.4	30.3	91.0	
134	22.4	11.2	33.5	

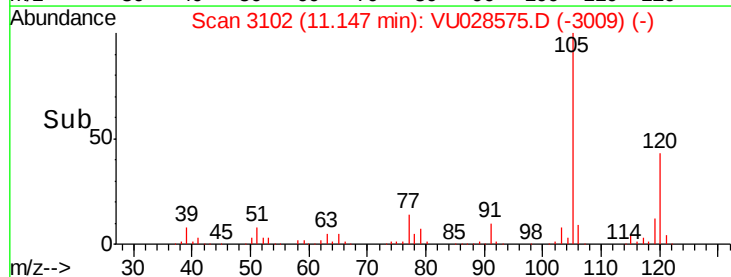
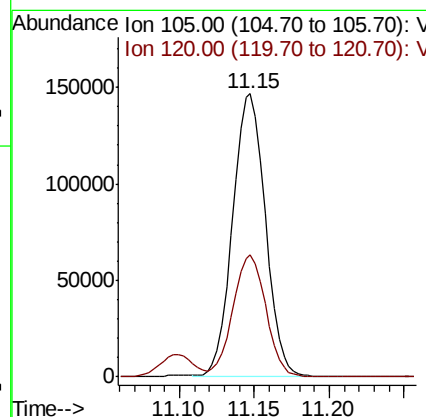
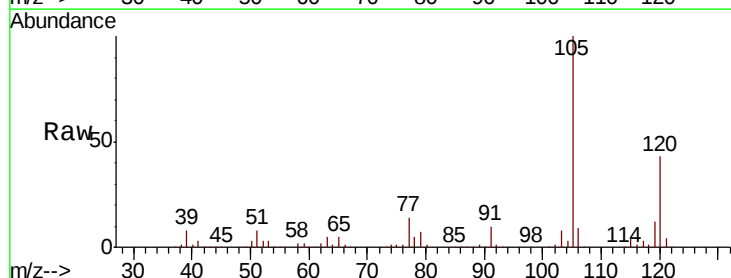
Manual Integrations
APPROVED

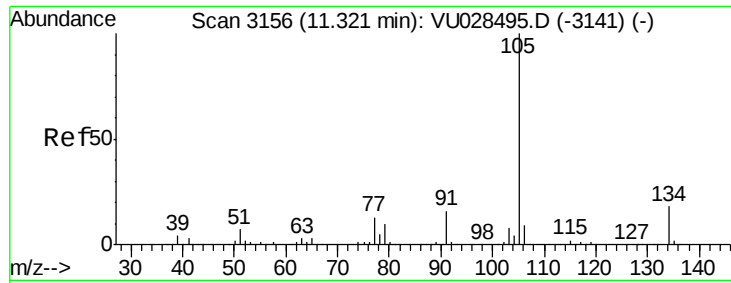
MMDadoda
12/11/2018 12:11:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.501 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	224171		
120	43.5	21.8	65.4	





#85

sec-Butylbenzene

Concen: 49.260 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 262722

Ion Ratio Lower Upper

105 100

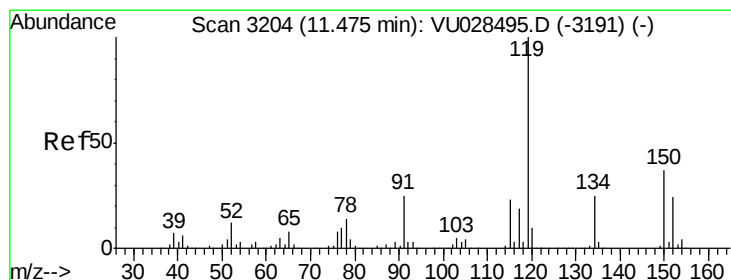
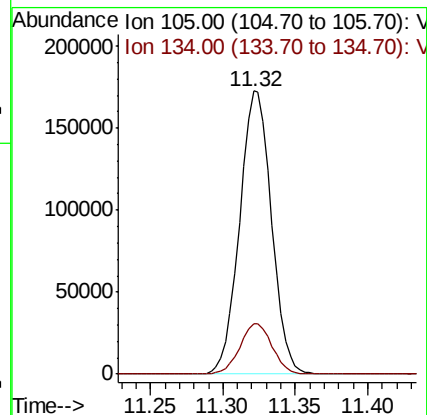
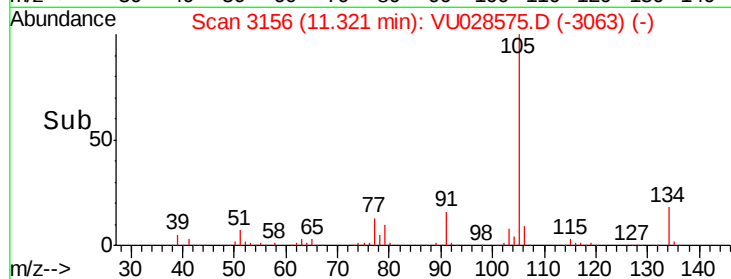
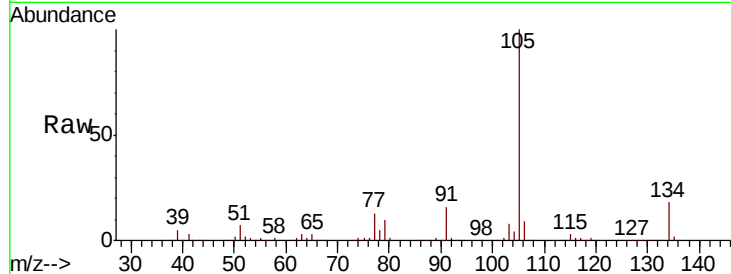
134 18.0 9.2 27.6

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:11:01 PM



#86

p-Isopropyltoluene

Concen: 48.754 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

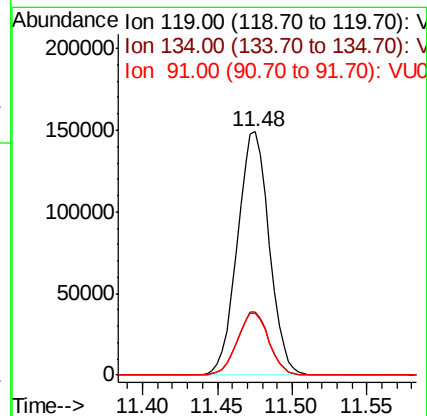
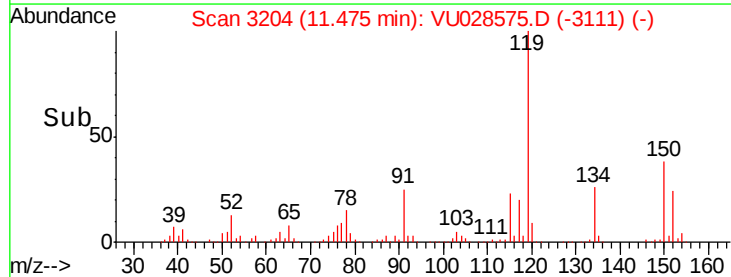
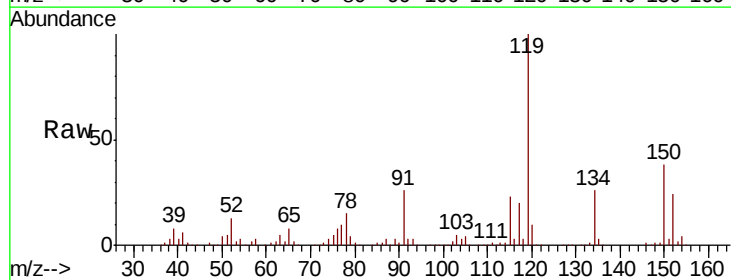
Tgt Ion:119 Resp: 220880

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 25.5 12.6 37.6





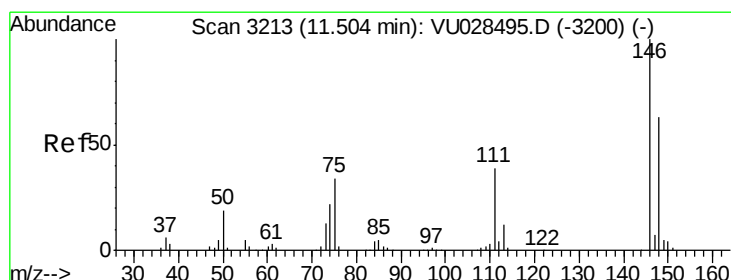
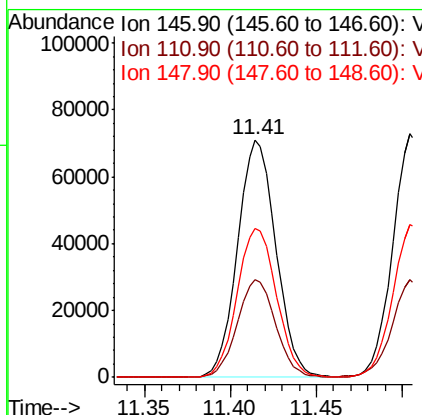
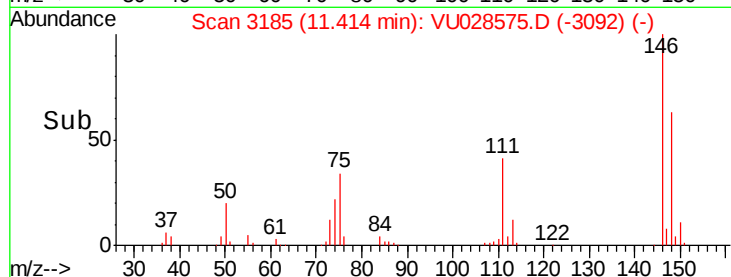
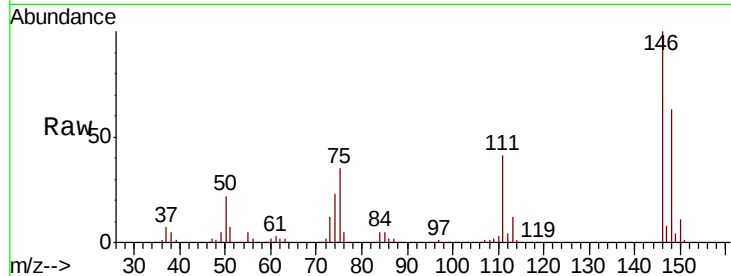
#87
 1,3-Dichlorobenzene
 Concen: 47.990 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	64.6	31.9	95.7

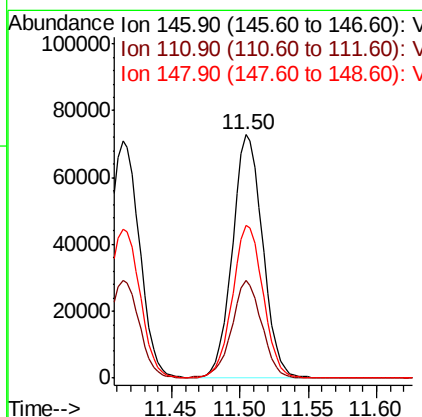
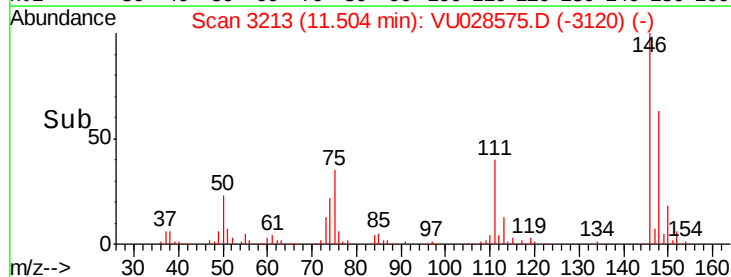
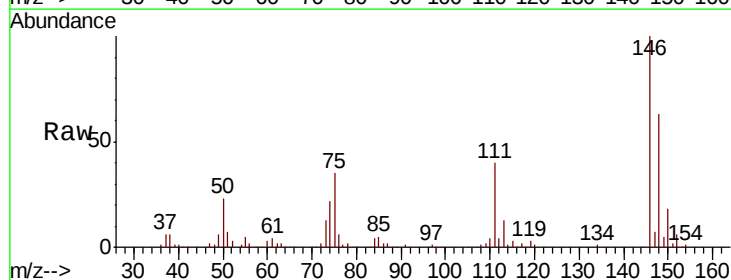
Manual Integrations
 APPROVED

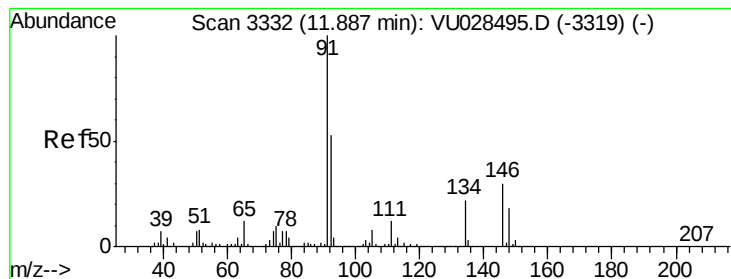
MMDadoda
 12/11/2018 12:11:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.370 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.5
148	63.4	31.6	95.0





#89

n-Butylbenzene

Concen: 47.113 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Instrument :

MSVOA_U

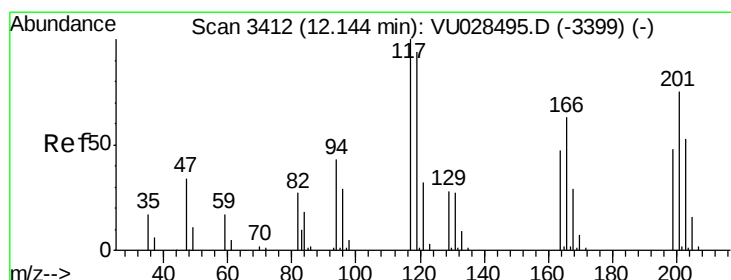
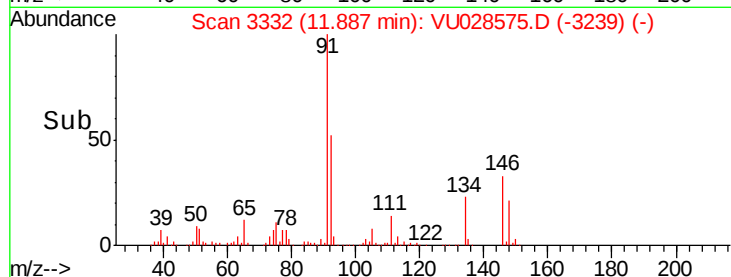
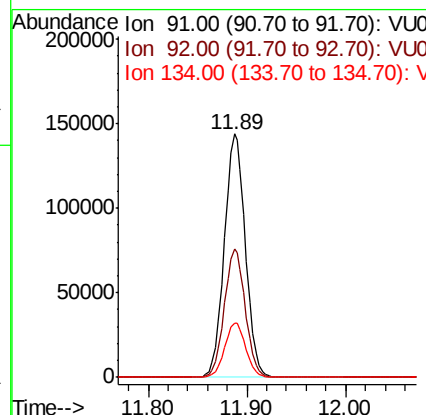
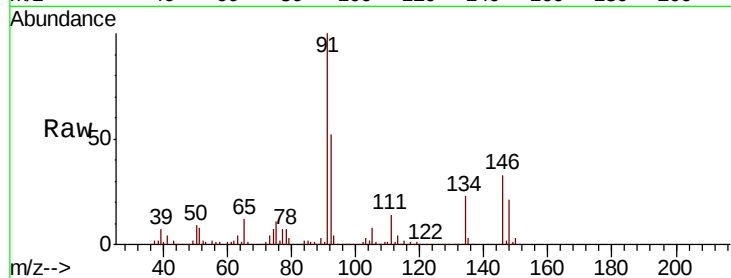
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	216018
Ion Ratio	Lower	Upper	
91	100		
92	52.3	26.3	78.9
134	22.4	11.3	33.8

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:01 PM



#90

Hexachloroethane

Concen: 47.700 ug/l

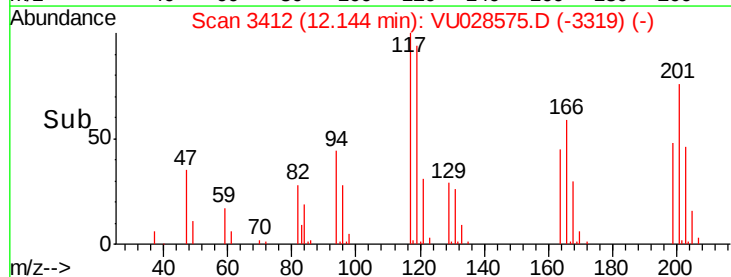
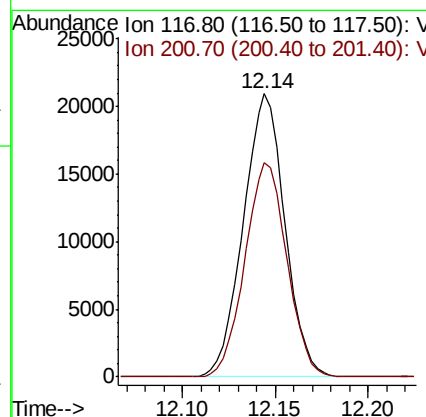
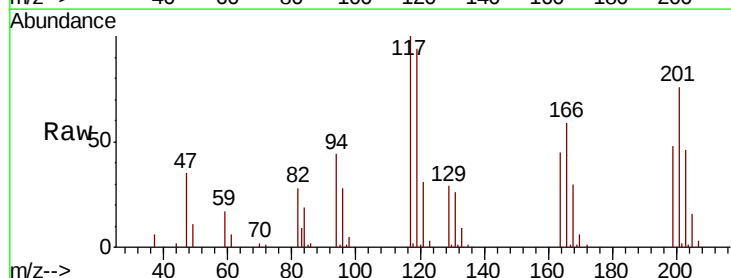
RT: 12.14 min Scan# 3412

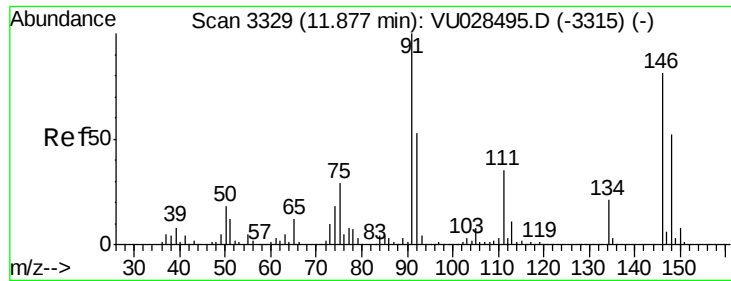
Delta R.T. -0.00 min

Lab File: VU028575.D

Acq: 11 Dec 2018 01:14

Tgt Ion:	117	Resp:	32664
Ion Ratio	Lower	Upper	
117	100		
201	76.3	38.1	114.5





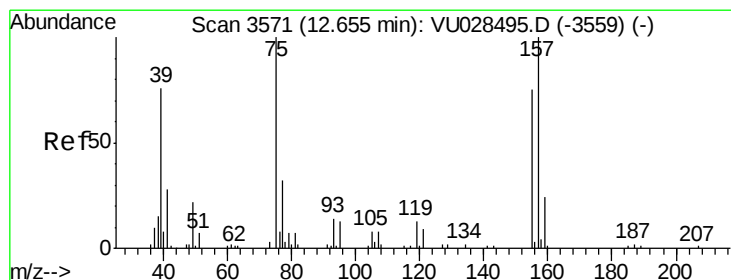
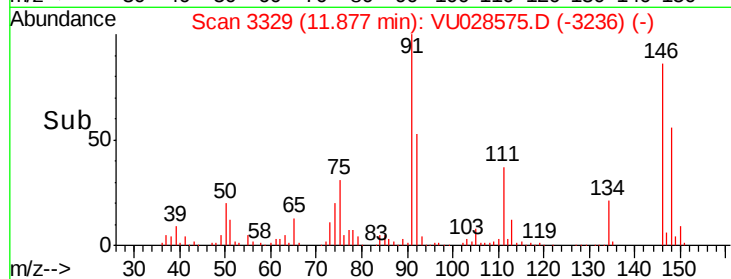
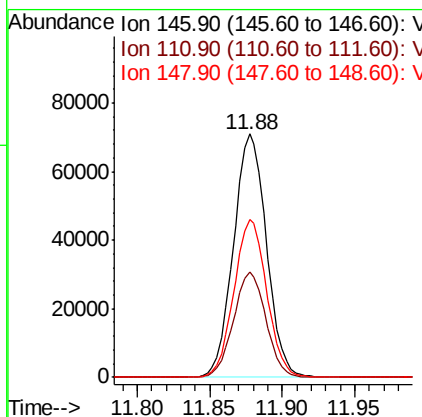
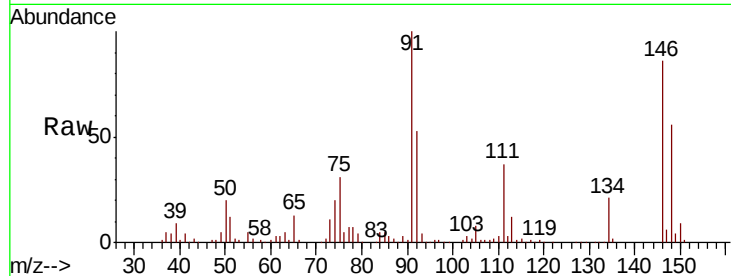
#91
 1,2-Dichlorobenzene
 Concen: 48.540 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.8	31.4	94.2

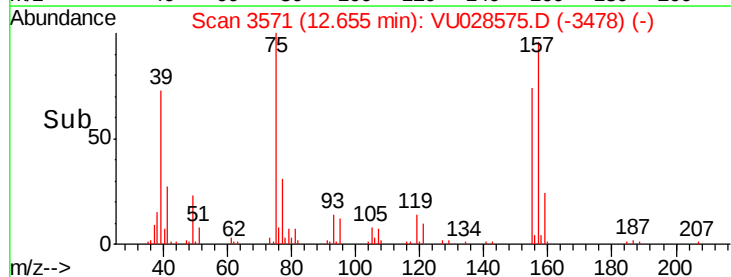
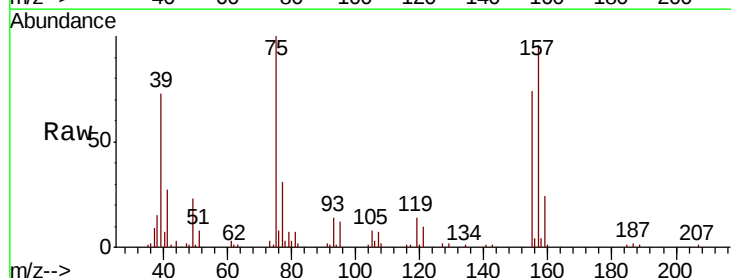
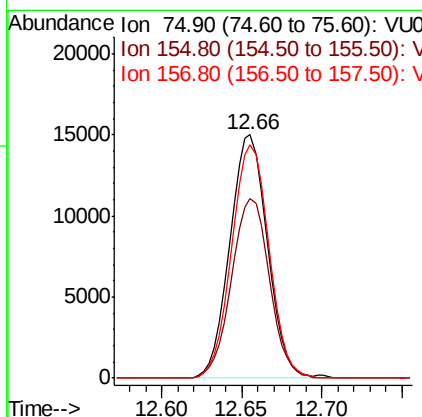
Manual Integrations
 APPROVED

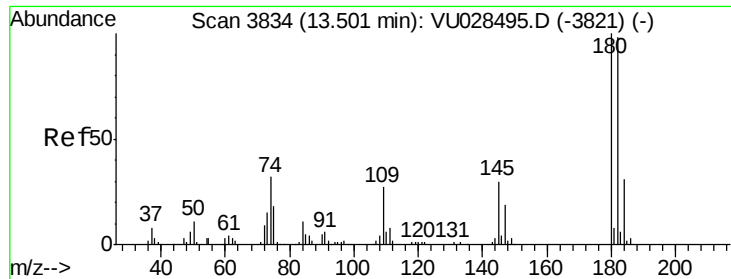
MMDadoda
 12/11/2018 12:11:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.557 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	38.1	114.5
157	95.1	48.7	146.1





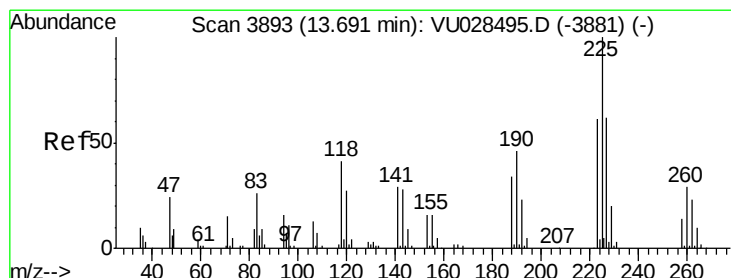
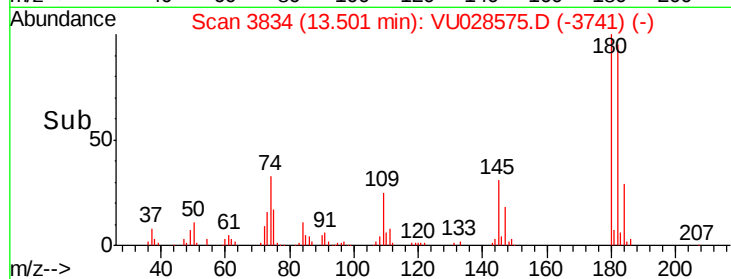
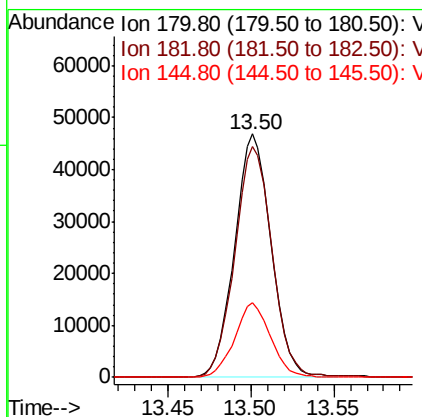
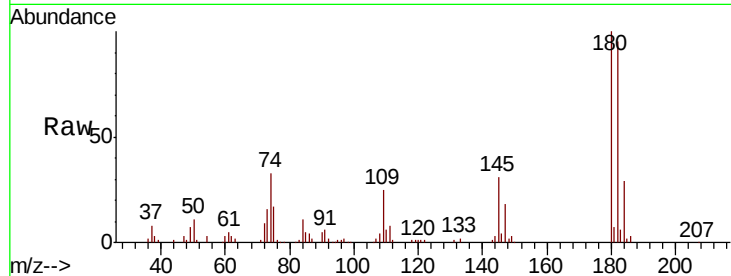
#93
 1,2,4-Trichlorobenzene
 Concen: 45.521 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.8
145	30.0	15.0	45.1

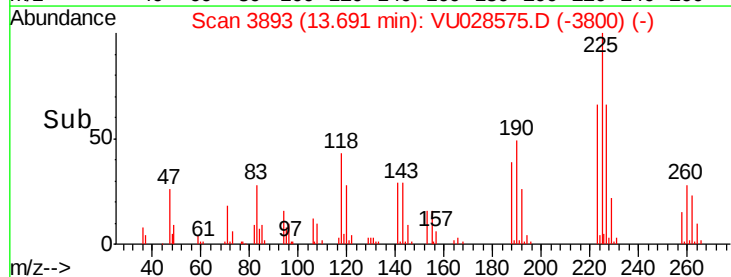
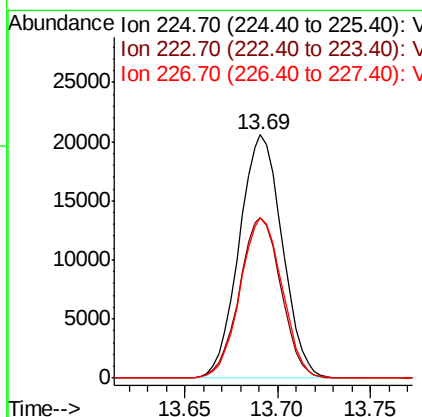
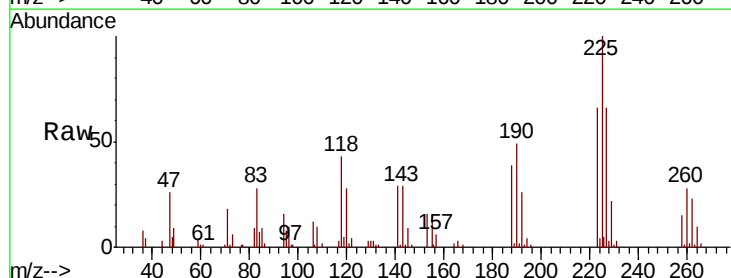
Manual Integrations
 APPROVED

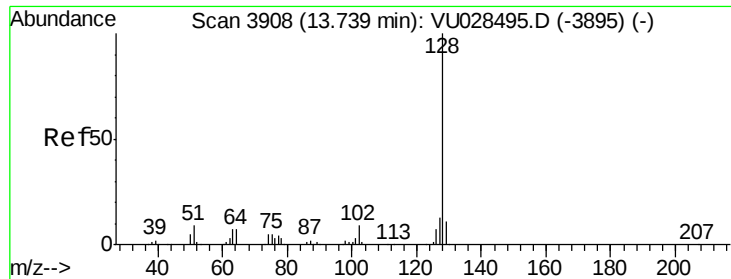
MMDadoda
 12/11/2018 12:11:01 PM



#94
 Hexachlorobutadiene
 Concen: 43.937 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028575.D
 Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.4	91.2
227	64.3	30.7	92.1





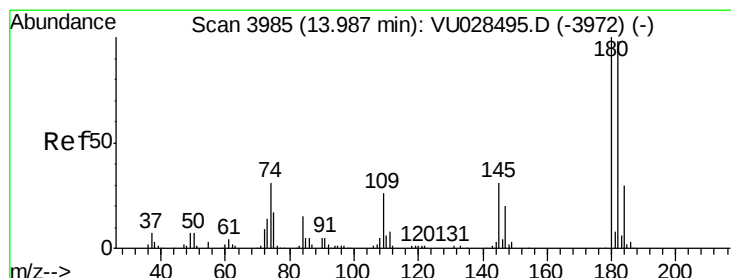
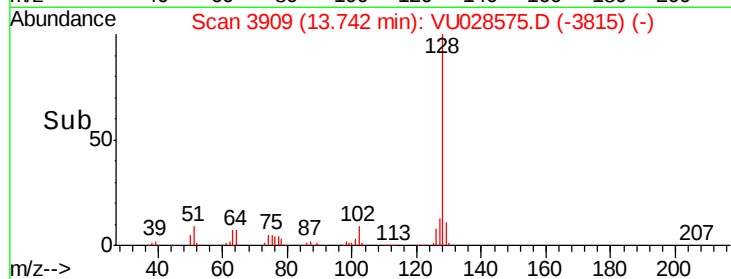
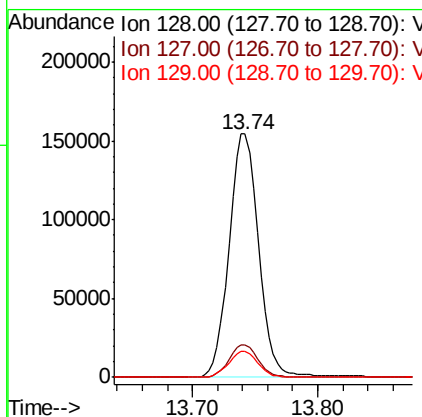
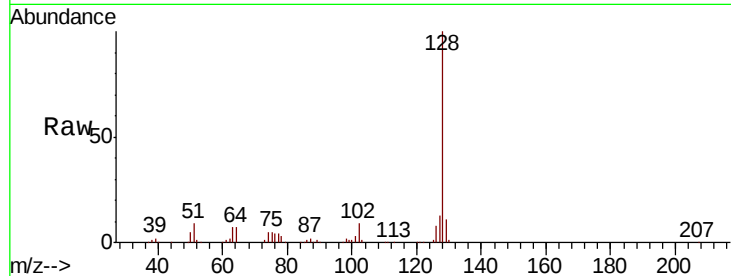
#95
Naphthalene
Concen: 45.838 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.820 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028575.D
Acq: 11 Dec 2018 01:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.2	144.6
145	31.6	15.8	47.3

