

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012833.D
 Acq On : 07 Oct 2019 13:16
 Operator : JC/SP
 Sample : VX1007MBS01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:06:48 PM

Quant Time: Oct 08 11:40:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	172413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	292510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119478	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	111118	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	
35) Dibromofluoromethane	5.49	113	88776	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	8.71	98	332660	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.13	95	125451	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	28635	14.763	ug/l	99
3) Chloromethane	1.32	50	33349	14.973	ug/l	98
4) Vinyl Chloride	1.40	62	34071	15.390	ug/l	95
5) Bromomethane	1.63	94	16355	18.790	ug/l	99
6) Chloroethane	1.71	64	22766	15.255	ug/l	99
7) Trichlorofluoromethane	1.92	101	52107	16.765	ug/l	99
8) Diethyl Ether	2.18	74	21068	16.540	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	34627	18.291	ug/l	95
10) Methyl Iodide	2.50	142	28777	17.953	ug/l	91
11) Tert butyl alcohol	3.03	59	58361	93.053	ug/l	99
12) 1,1-Dichloroethene	2.36	96	34217	18.458	ug/l	91
13) Acrolein	2.28	56	21043	67.997	ug/l	97
14) Allyl chloride	2.72	41	62262	16.929	ug/l	96
15) Acrylonitrile	3.13	53	115959	91.133	ug/l	98
16) Acetone	2.44	43	110301	82.942	ug/l	95
17) Carbon Disulfide	2.56	76	81967	15.772	ug/l	99
18) Methyl Acetate	2.76	43	57968	18.512	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	127789	18.212	ug/l	96
20) Methylene Chloride	2.84	84	40164	17.856	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	35191	17.135	ug/l	90
22) Diisopropyl ether	3.84	45	126678	17.825	ug/l	99
23) Vinyl Acetate	3.80	43	539736	86.605	ug/l	97
24) 1,1-Dichloroethane	3.69	63	69466	17.983	ug/l	99
25) 2-Butanone	4.66	43	165707	86.903	ug/l	94
26) 2,2-Dichloropropane	4.57	77	57192	16.646	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	42499	17.835	ug/l	94
28) Bromochloromethane	5.00	49	25805	18.397	ug/l	88
29) Tetrahydrofuran	5.12	42	103231	88.823	ug/l	95
30) Chloroform	5.20	83	71357	18.055	ug/l	94
31) Cyclohexane	5.56	56	59527	17.034	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	60139	17.169	ug/l	98
36) 1,1-Dichloropropene	5.79	75	48548	17.219	ug/l	96
37) Ethyl Acetate	4.82	43	60523	18.361	ug/l	95
38) Carbon Tetrachloride	5.78	117	51082	17.835	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100719\
 Data File : VX012833.D
 Acq On : 07 Oct 2019 13:16
 Operator : JC/SP
 Sample : VX1007MBS01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1007MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:06:48 PM

Quant Time: Oct 08 11:40:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	60553	17.840	ug/l	97
40) Benzene	6.14	78	154223	18.591	ug/l	99
41) Methacrylonitrile	5.03	41	34287	18.539	ug/l	96
42) 1,2-Dichloroethane	6.18	62	56389	17.900	ug/l	98
43) Isopropyl Acetate	6.43	43	100185	18.175	ug/l	97
44) Trichloroethene	7.20	130	38999	18.389	ug/l	94
45) 1,2-Dichloropropane	7.51	63	40299	18.974	ug/l	96
46) Dibromomethane	7.65	93	26285	18.177	ug/l	97
47) Bromodichloromethane	7.89	83	53248	18.424	ug/l	96
48) Methyl methacrylate	7.76	41	46874	17.734	ug/l	93
49) 1,4-Dioxane	7.73	88	23690	395.152	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	309769	91.036	ug/l	95
52) Toluene	8.78	92	98126	18.820	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57468	17.972	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	62864	18.006	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	40667	19.618	ug/l	97
56) Ethyl methacrylate	9.17	69	64431	18.501	ug/l	92
57) 1,3-Dichloropropane	9.37	76	68935	19.001	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	154973	99.138	ug/l	99
59) 2-Hexanone	9.48	43	240131	92.196	ug/l	94
60) Dibromochloromethane	9.58	129	39748	18.942	ug/l	97
61) 1,2-Dibromoethane	9.67	107	41385	19.183	ug/l	98
64) Tetrachloroethene	9.33	164	37460	20.748	ug/l	95
65) Chlorobenzene	10.14	112	103284	18.941	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	37825	19.145	ug/l	97
67) Ethyl Benzene	10.25	91	184761	18.681	ug/l	98
68) m/p-Xylenes	10.35	106	137947	37.233	ug/l	100
69) o-Xylene	10.70	106	67440	18.812	ug/l	98
70) Styrene	10.71	104	116672	19.413	ug/l	97
71) Bromoform	10.85	173	26588	19.326	ug/l #	99
73) Isopropylbenzene	11.01	105	183799	18.888	ug/l	99
74) N-amyl acetate	10.89	43	80134	17.261	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	60022	18.624	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	58347m	18.461	ug/l	
77) Bromobenzene	11.25	156	41552	18.867	ug/l	99
78) n-propylbenzene	11.35	91	204568	18.673	ug/l	100
79) 2-Chlorotoluene	11.42	91	123795	18.114	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	153463	18.806	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17921	16.250	ug/l	99
82) 4-Chlorotoluene	11.51	91	142423	18.281	ug/l	100
83) tert-Butylbenzene	11.76	119	149314	18.968	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	154051	18.714	ug/l	99
85) sec-Butylbenzene	11.94	105	174555	19.065	ug/l	100
86) p-Isopropyltoluene	12.06	119	155500	18.823	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	76892	19.400	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	76928	19.208	ug/l	98
89) n-Butylbenzene	12.38	91	130270	17.895	ug/l	99
90) Hexachloroethane	12.59	117	27298	18.534	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	75362	18.992	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14210	17.626	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
Data File : VX012833.D
Acq On : 07 Oct 2019 13:16
Operator : JC/SP
Sample : VX1007MBS01
Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM

Quant Time: Oct 08 11:40:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	45413	18.766	ug/l	99
94) Hexachlorobutadiene	13.77	225	20477	19.670	ug/l	100
95) Naphthalene	13.83	128	170512	19.475	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	48255	19.906	ug/l	99

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

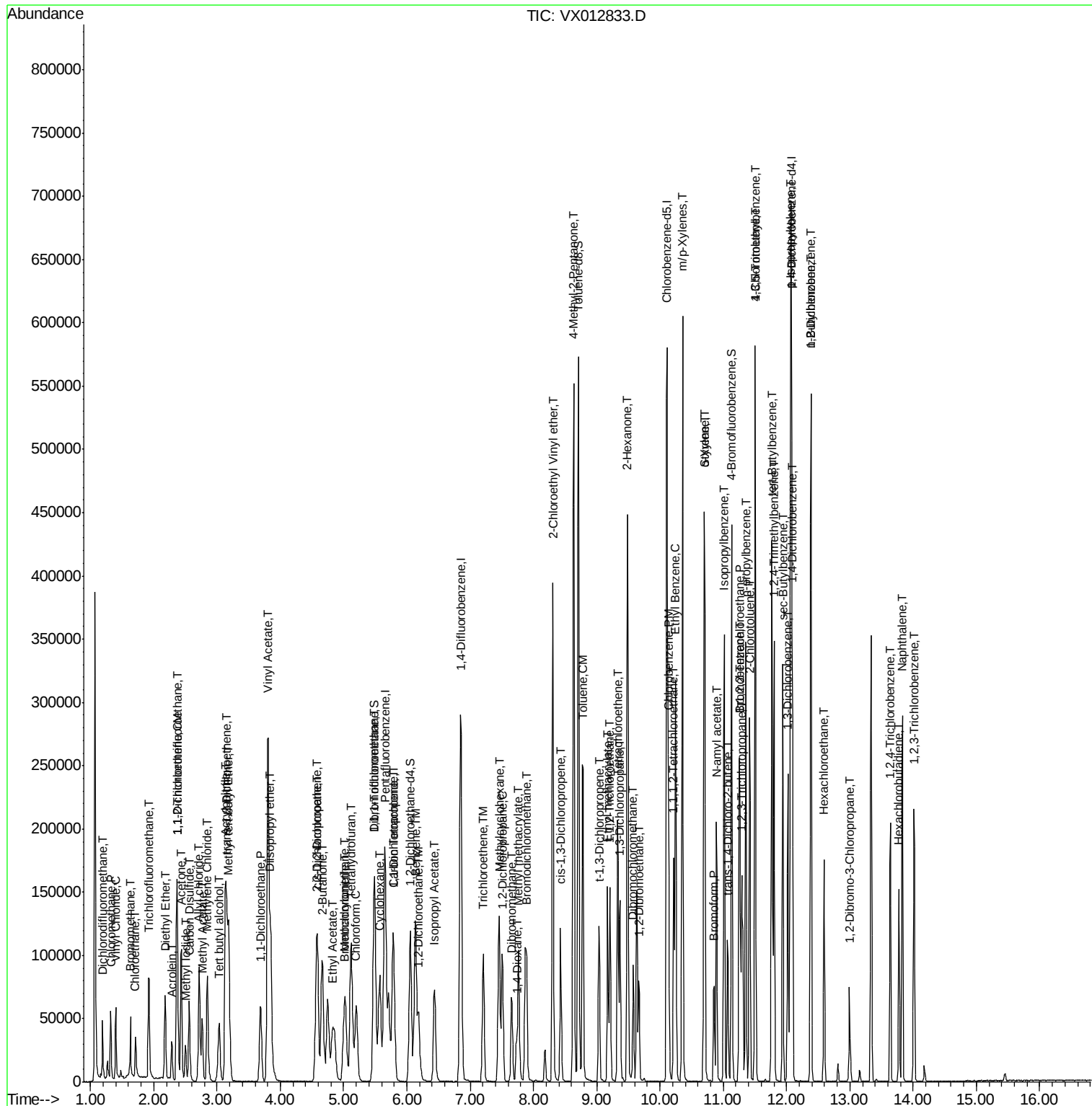
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100719\
Data File : VX012833.D
Acq On : 07 Oct 2019 13:16
Operator : JC/SP
Sample : VX1007MBS01
Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

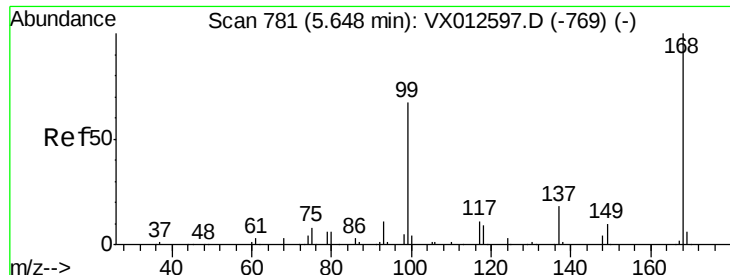
Instrument :
MSVOA_X
Client Sample Id :
VX1007MBS01

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM

Quant Time: Oct 08 11:40:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion:168 Resp: 172413

Ion Ratio Lower Upper

168 100

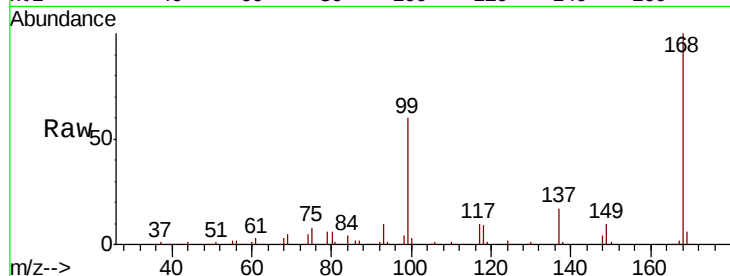
99 60.4 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:06:48 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

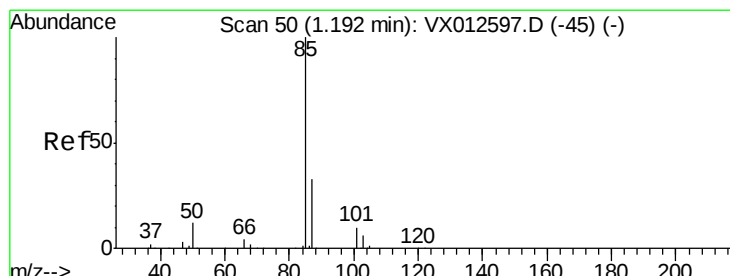
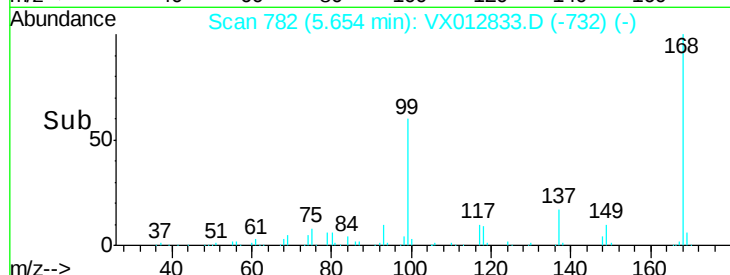
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 14.763 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012833.D

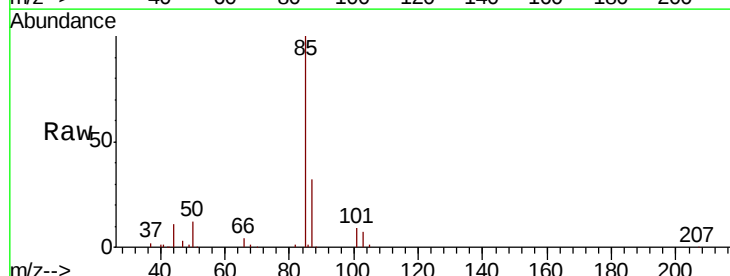
Acq: 07 Oct 2019 13:16

Tgt Ion: 85 Resp: 28635

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

30000

25000

20000

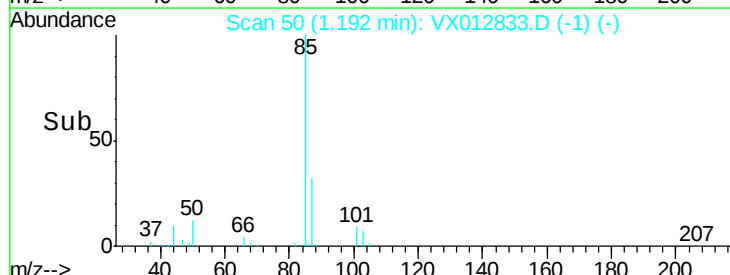
15000

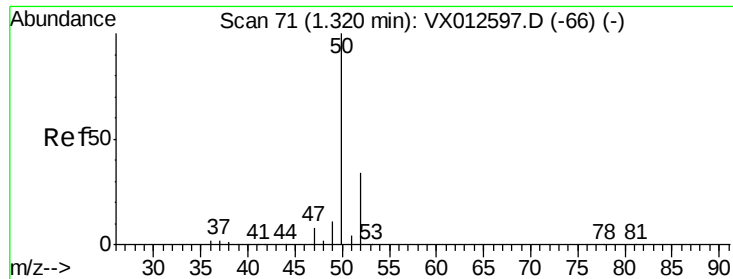
10000

5000

0

Time-->





#3

Chloromethane

Concen: 14.973 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion: 50 Resp: 33349

Ion Ratio Lower Upper

50 100

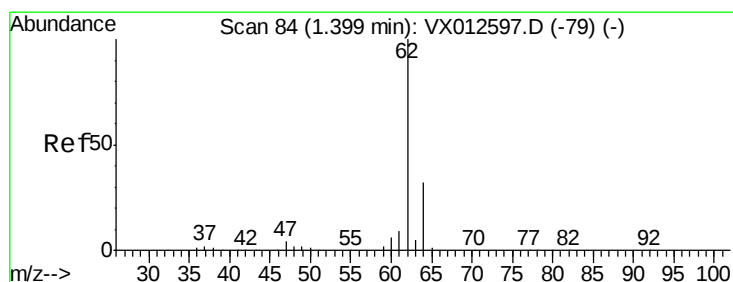
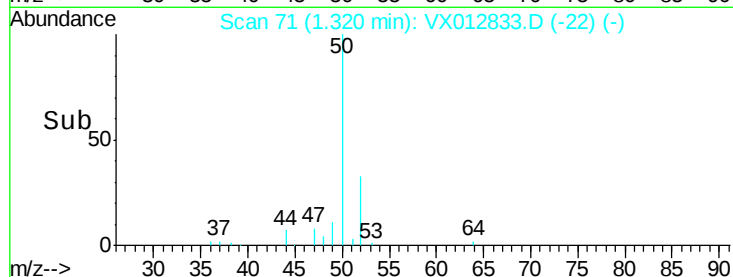
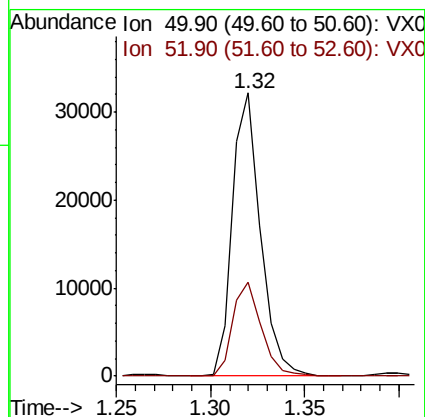
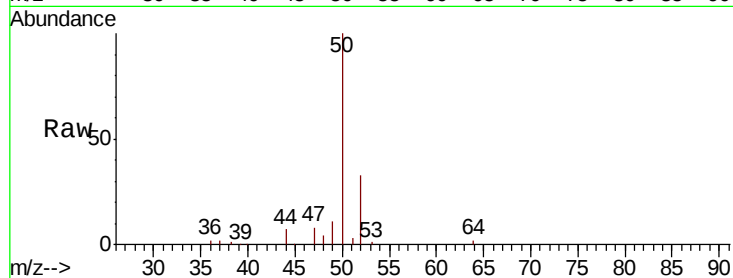
52 33.3 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:06:48 PM



#4

Vinyl Chloride

Concen: 15.390 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012833.D

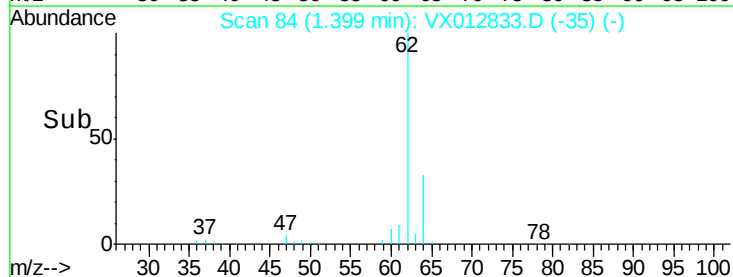
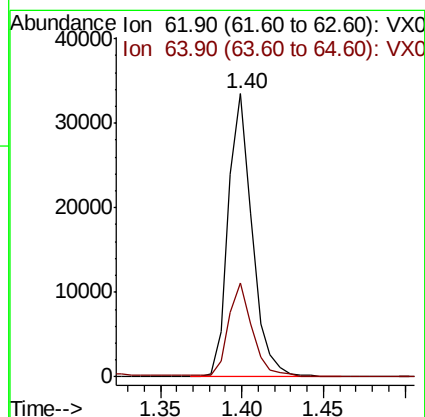
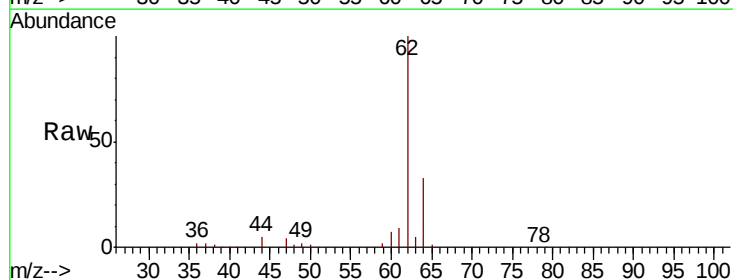
Acq: 07 Oct 2019 13:16

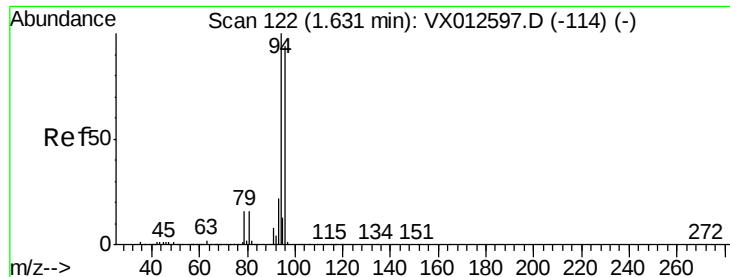
Tgt Ion: 62 Resp: 34071

Ion Ratio Lower Upper

62 100

64 32.8 24.2 36.2





#5

Bromomethane

Concen: 18.790 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion: 94 Resp: 16355

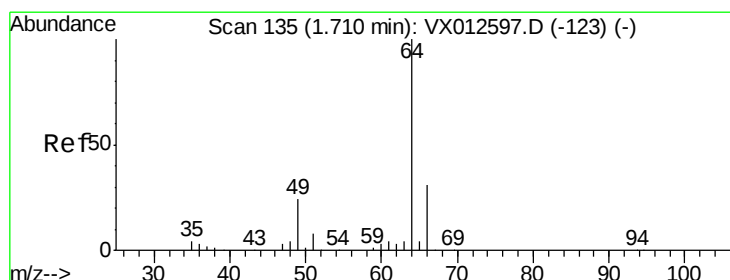
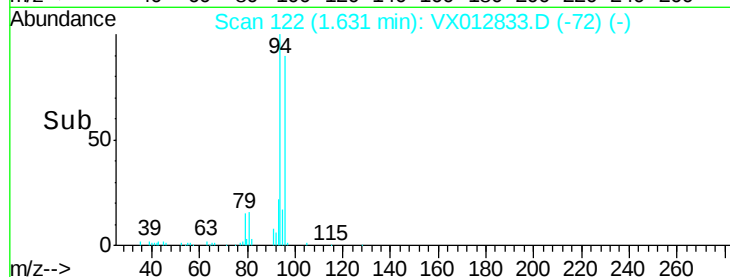
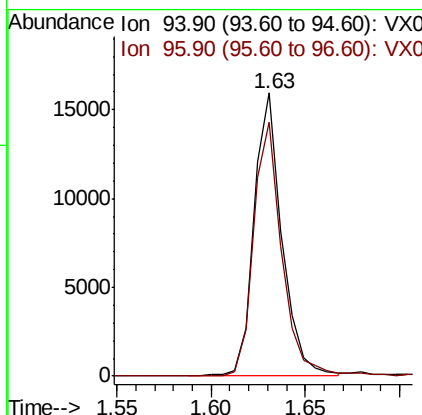
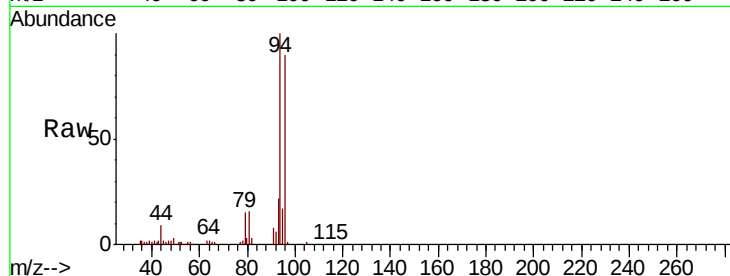
Ion Ratio Lower Upper

94 100

96 89.8 72.8 109.2

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM



#6

Chloroethane

Concen: 15.255 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012833.D

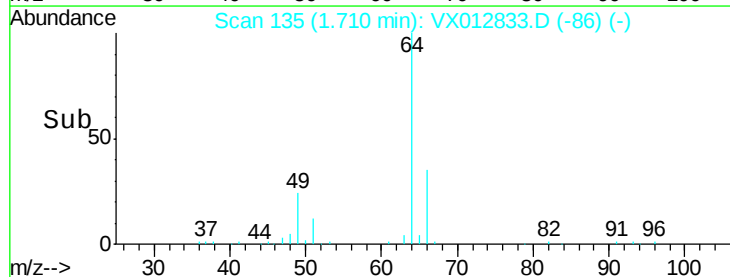
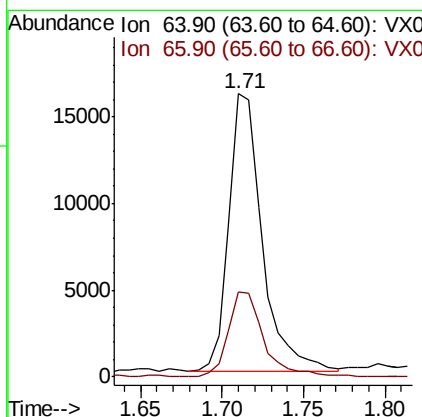
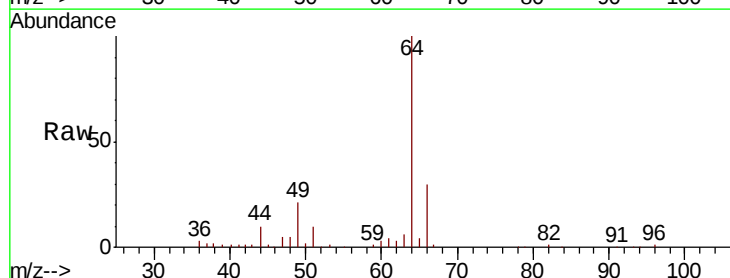
Acq: 07 Oct 2019 13:16

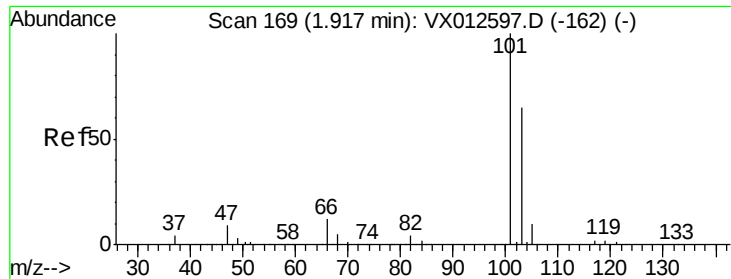
Tgt Ion: 64 Resp: 22766

Ion Ratio Lower Upper

64 100

66 30.5 24.0 36.0





#7

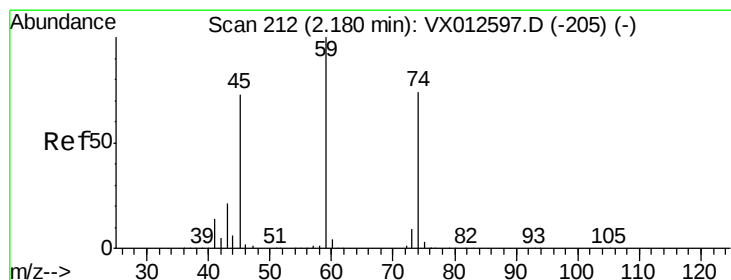
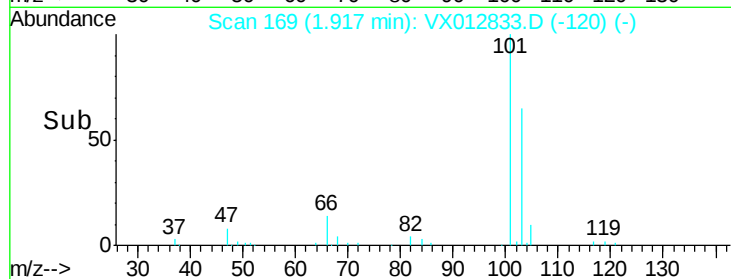
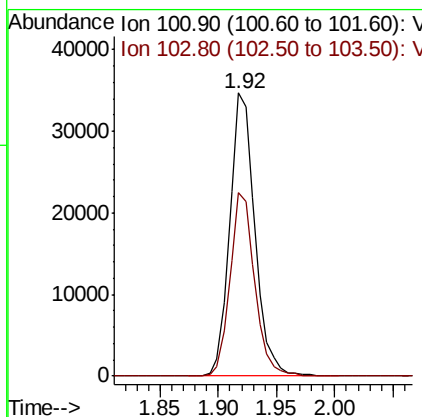
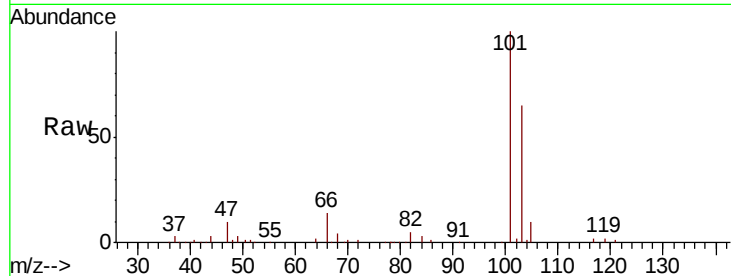
Trichlorofluoromethane
Concen: 16.765 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.0	76.4

Manual Integrations
APPROVED

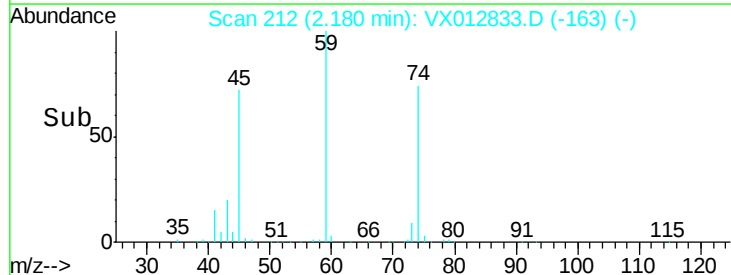
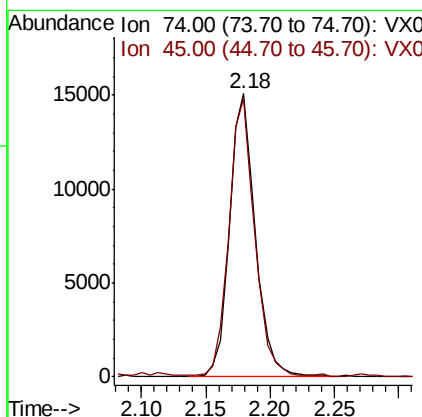
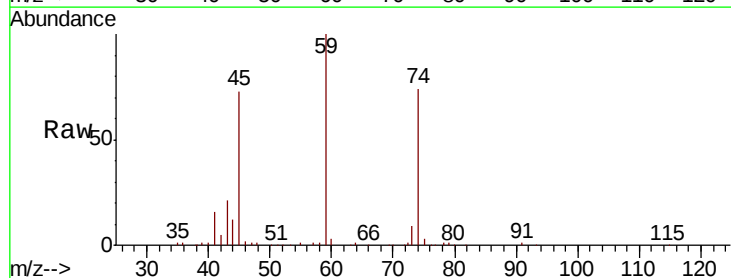
MMDadoda
10/8/2019 2:06:48 PM

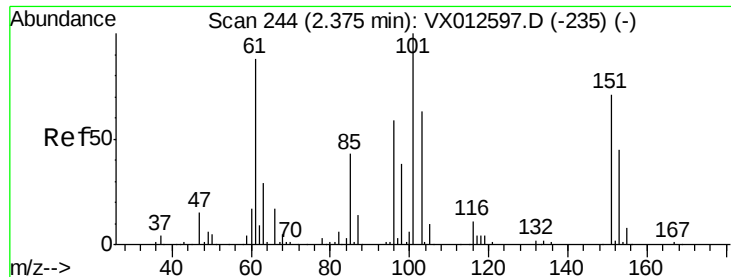


#8

Diethyl Ether
Concen: 16.540 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.291 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

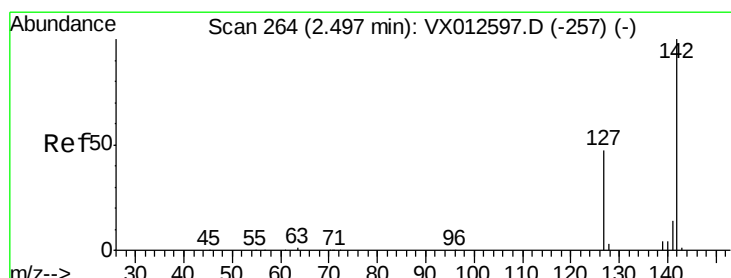
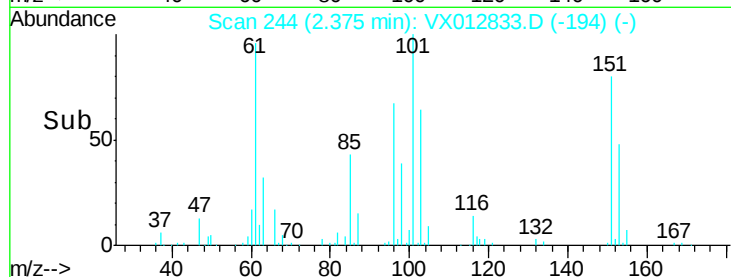
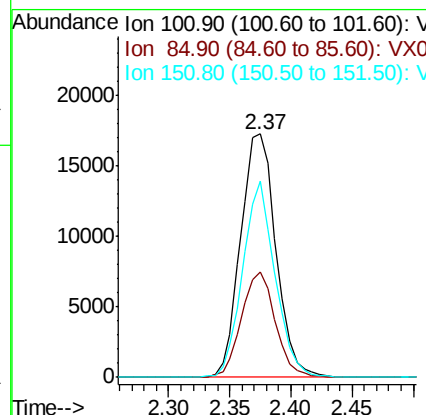
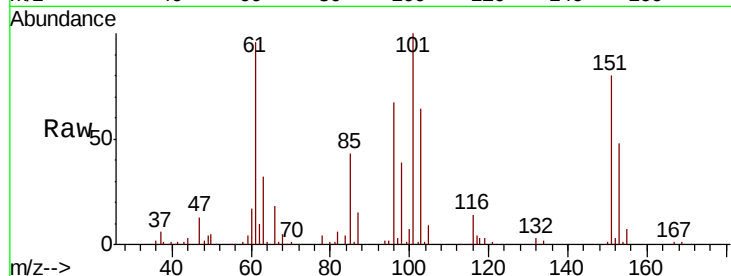
ClientSampleId :

VX1007MBS01

Tot Ion:	101	Resp:	34627
Ion Ratio	Lower	Upper	
101	100		
85	41.5	37.3	55.9
151	73.9	61.0	91.4

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM



#10

Methyl Iodide

Concen: 17.953 ug/l

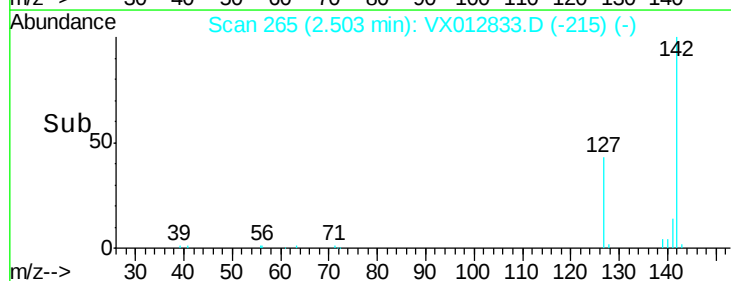
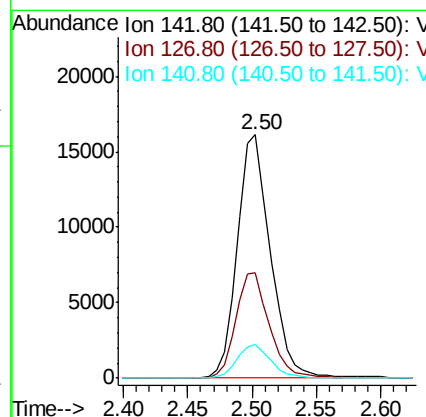
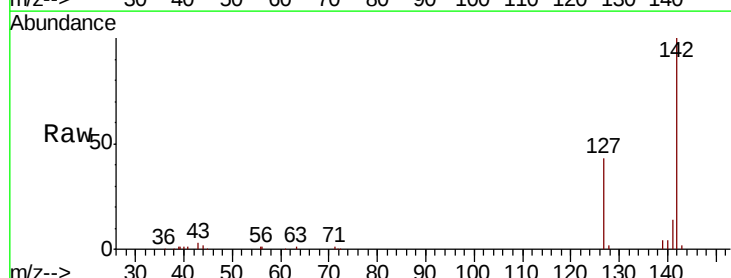
RT: 2.50 min Scan# 265

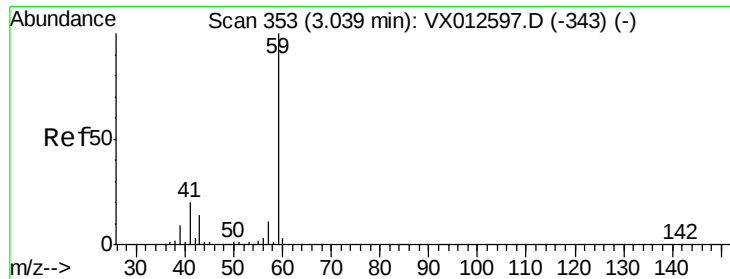
Delta R.T. 0.01 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Tgt Ion:	142	Resp:	28777
Ion Ratio	Lower	Upper	
142	100		
127	43.7	40.8	61.2
141	13.9	12.1	18.1





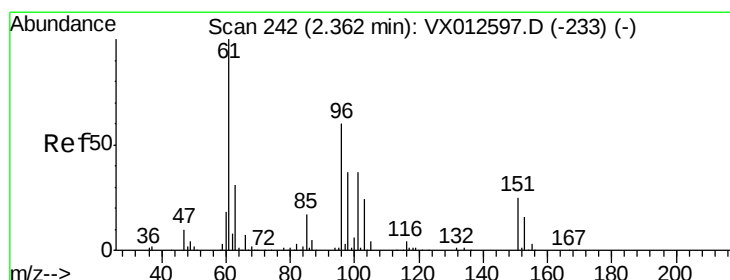
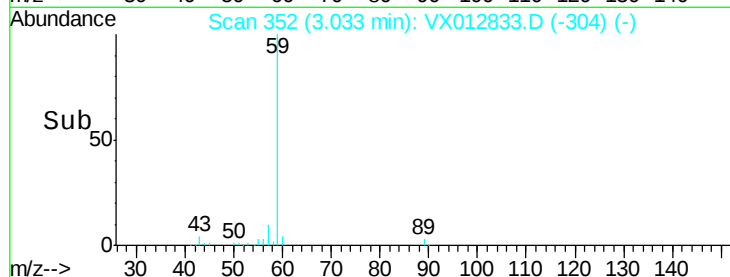
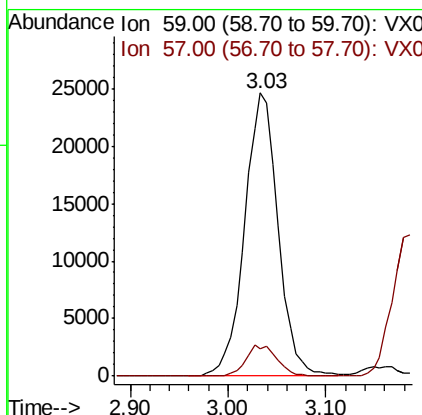
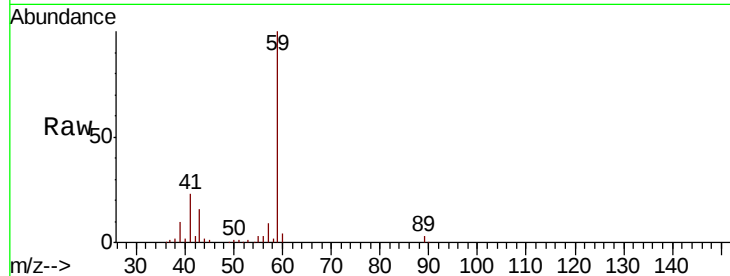
#11
Tert butyl alcohol
Concen: 93.053 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion: 59 Resp: 58361
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

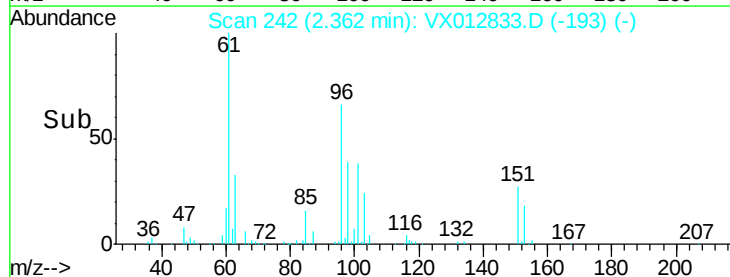
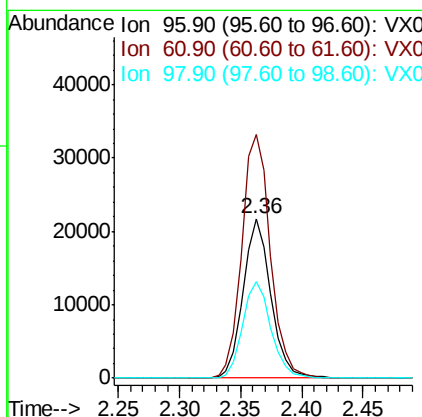
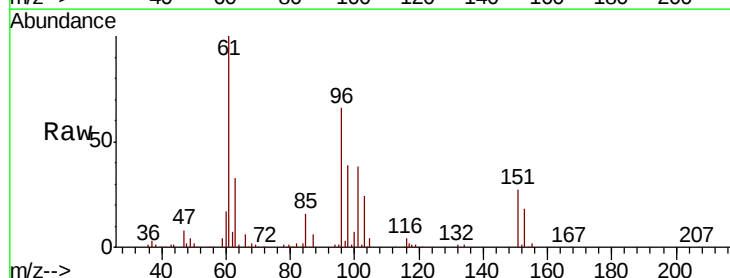
Manual Integrations
APPROVED

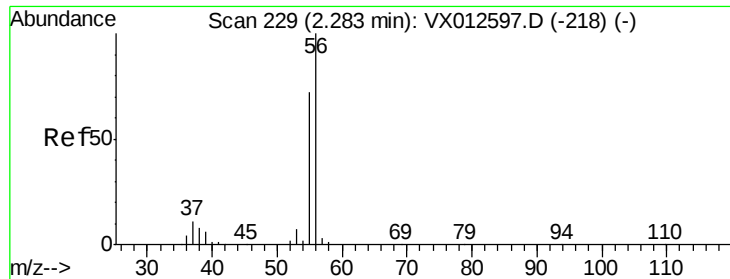
MMDadoda
10/8/2019 2:06:48 PM



#12
1,1-Dichloroethene
Concen: 18.458 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion: 96 Resp: 34217
Ion Ratio Lower Upper
96 100
61 152.4 133.8 200.6
98 60.0 49.9 74.9





#13

Acrolein

Concen: 67.997 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion: 56 Resp: 21043

Ion Ratio Lower Upper

56 100

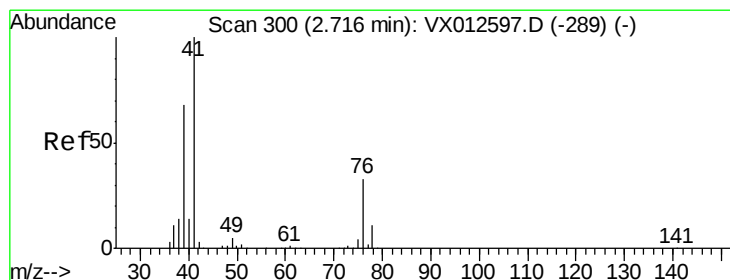
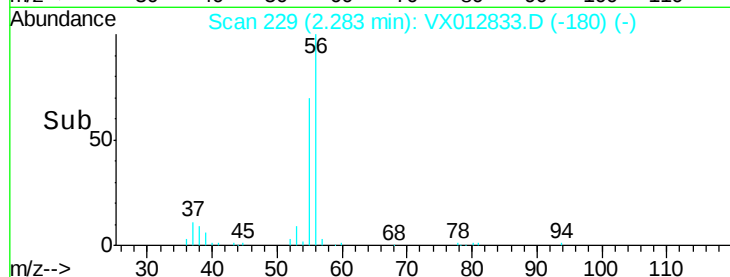
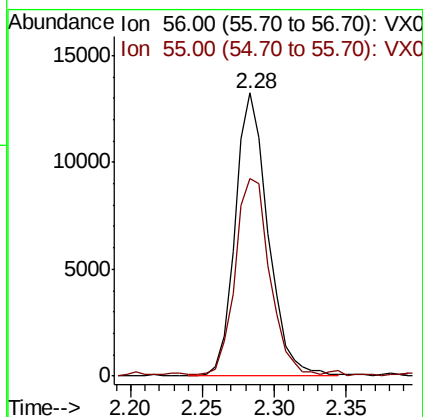
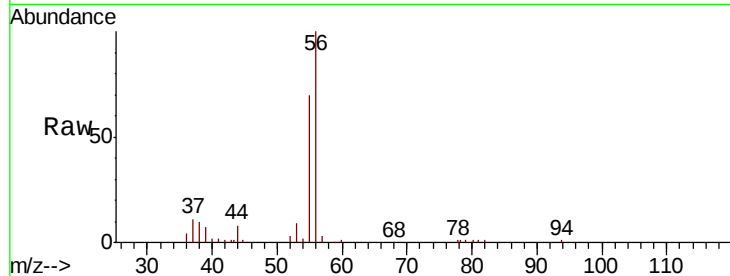
55 72.0 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:06:48 PM



#14

Allyl chloride

Concen: 16.929 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

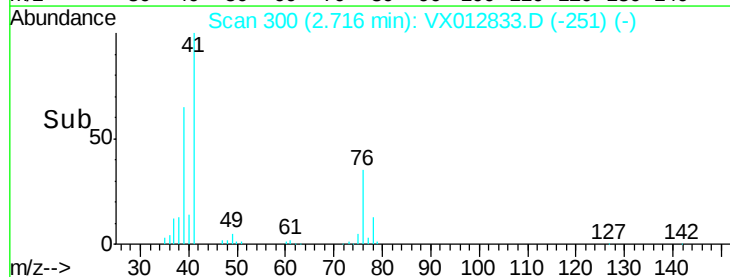
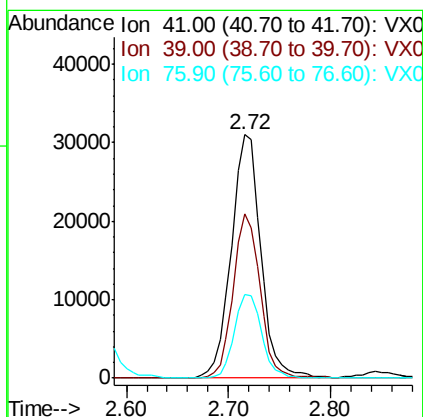
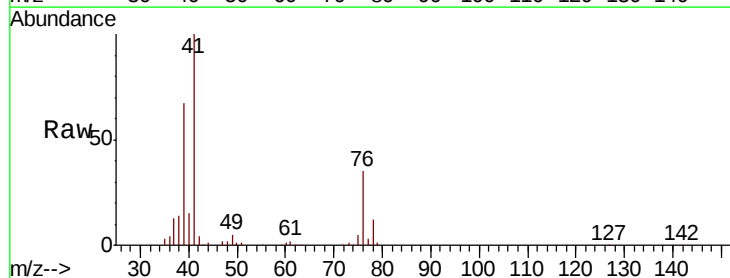
Tgt Ion: 41 Resp: 62262

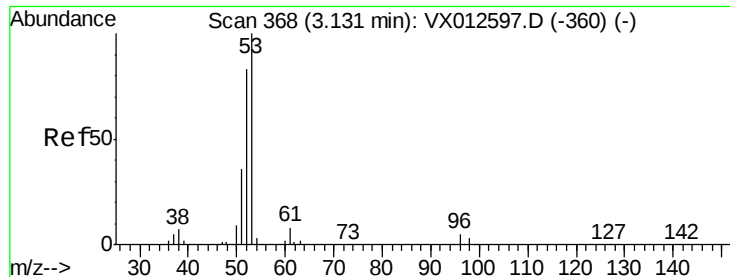
Ion Ratio Lower Upper

41 100

39 61.6 51.3 76.9

76 31.9 22.6 33.8





#15

Acrylonitrile

Concen: 91.133 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

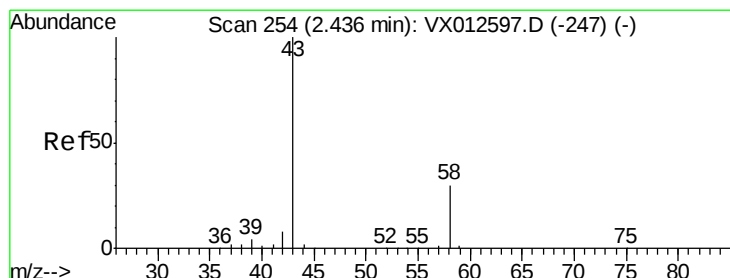
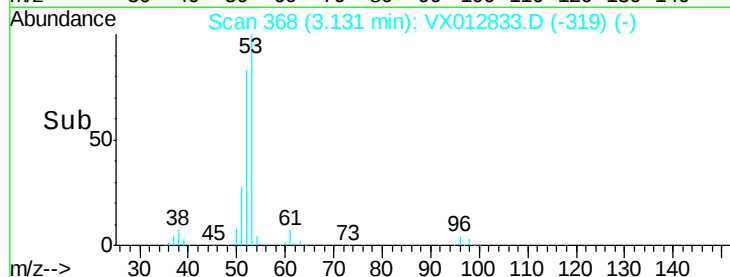
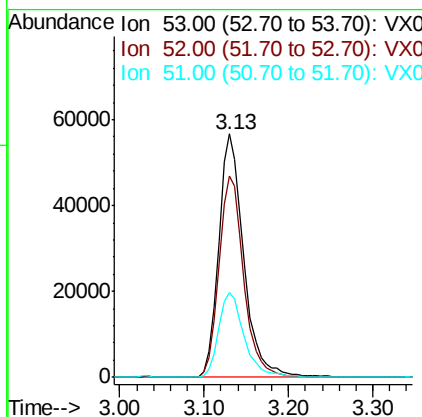
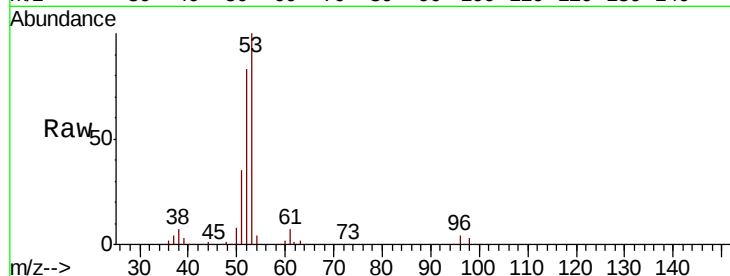
ClientSampleId :

VX1007MBS01

Tot Ion:	53	Resp:	115959
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.0	100.4
51	35.9	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM



#16

Acetone

Concen: 82.942 ug/l

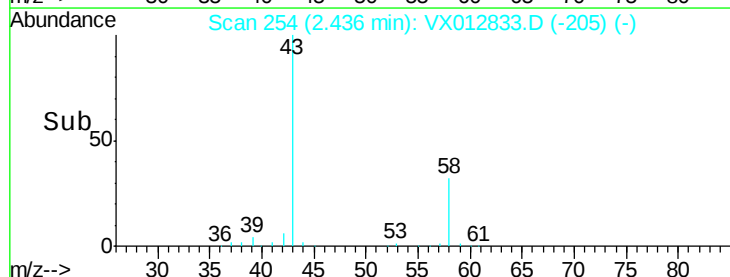
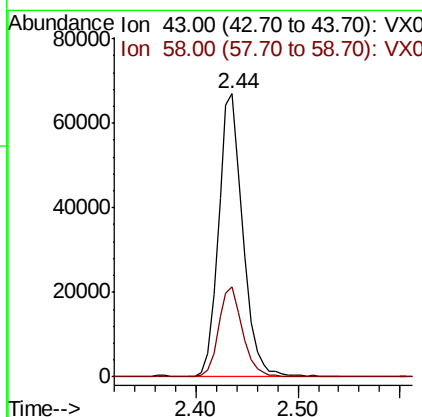
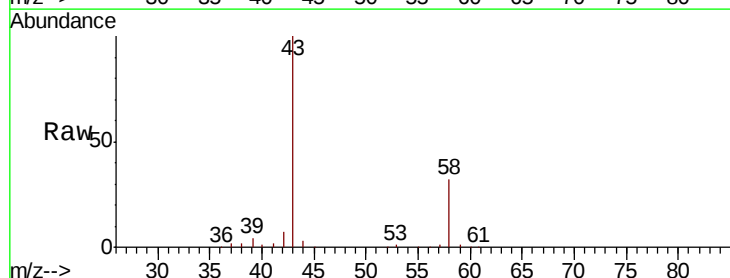
RT: 2.44 min Scan# 254

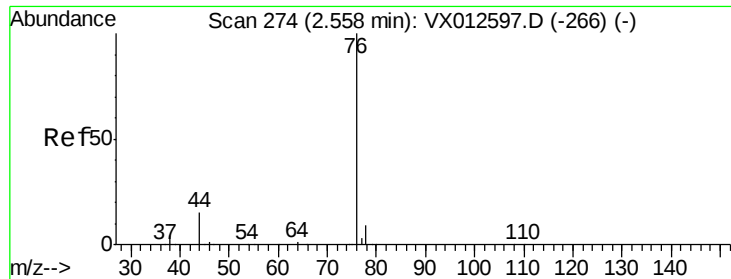
Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Tgt Ion:	43	Resp:	110301
Ion	Ratio	Lower	Upper
43	100		
58	31.9	23.3	34.9





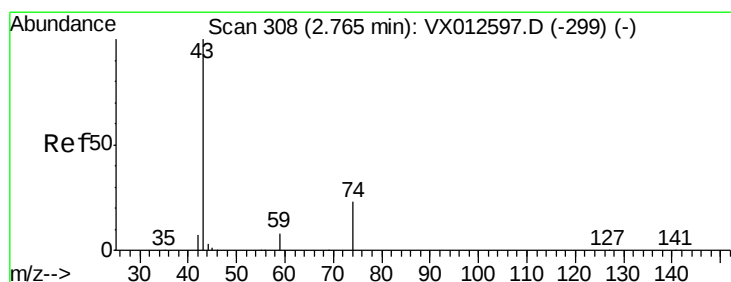
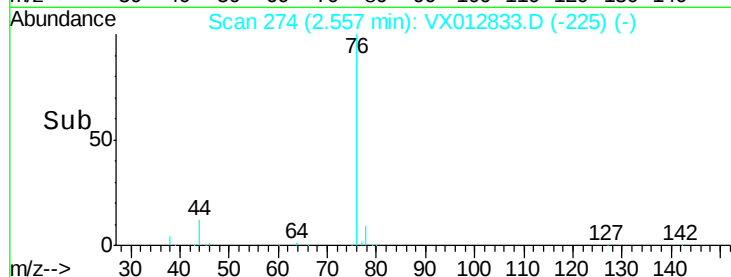
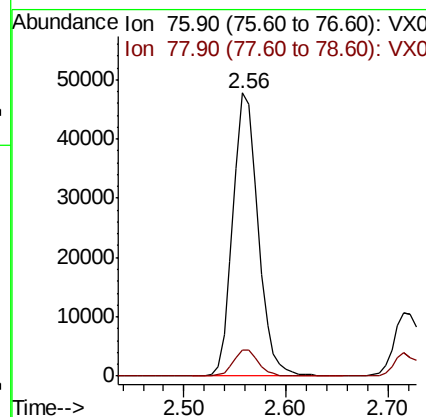
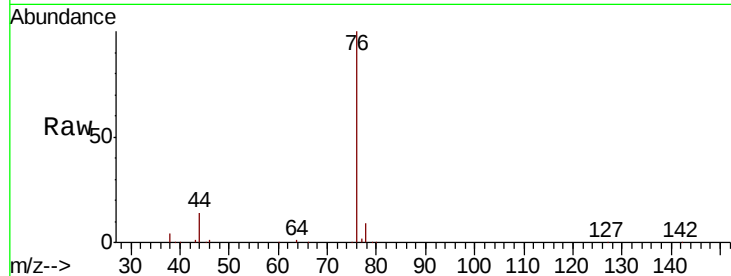
#17
Carbon Disulfide
Concen: 15.772 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

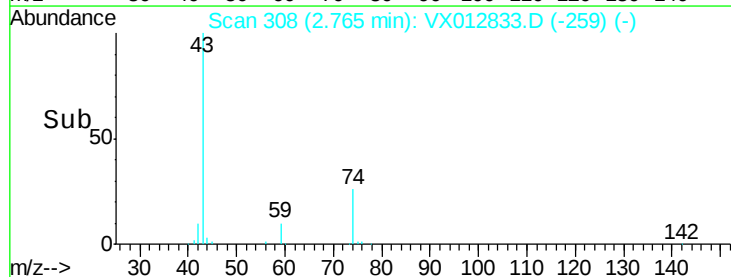
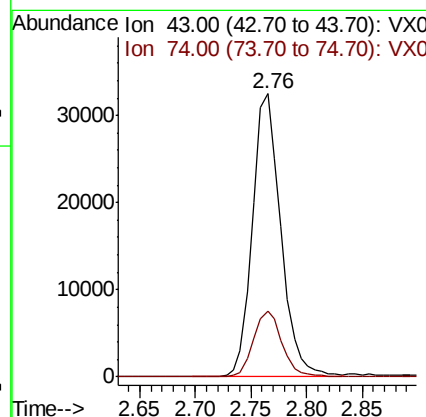
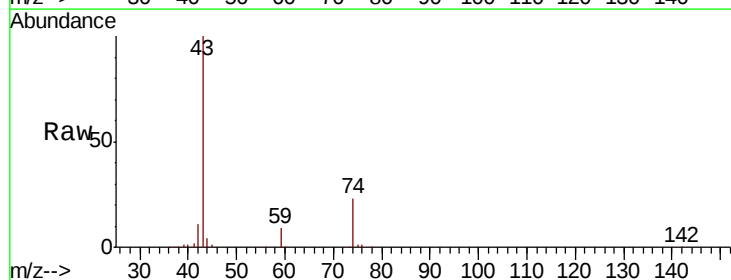
Manual Integrations
APPROVED

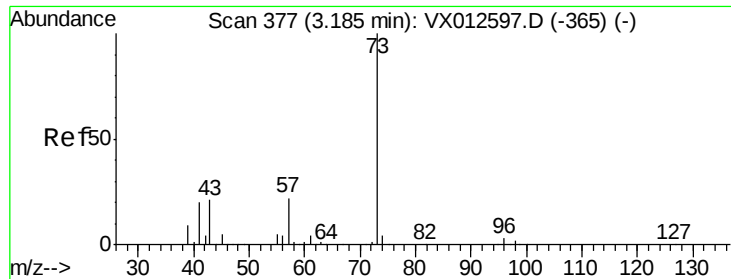
MMDadoda
10/8/2019 2:06:48 PM



#18
Methyl Acetate
Concen: 18.512 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	17.7	26.5





#19

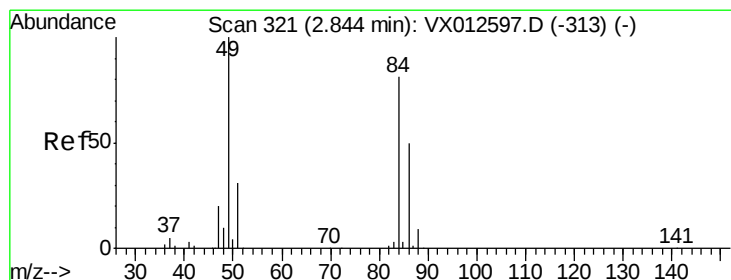
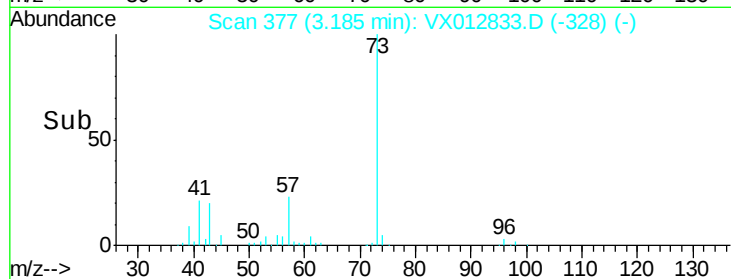
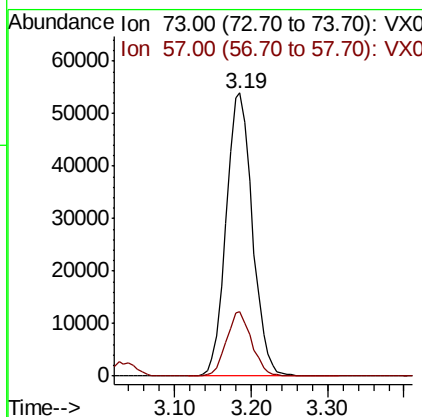
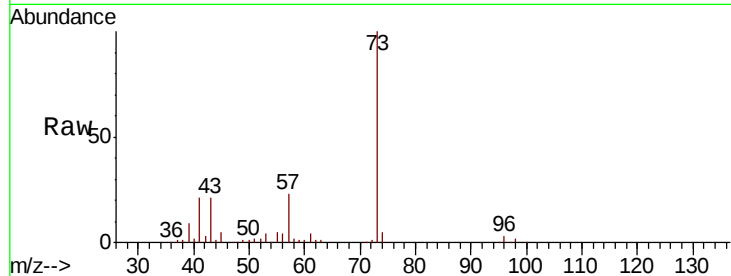
Methyl tert-butyl Ether
Concen: 18.212 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	16.8	25.2

Manual Integrations
APPROVED

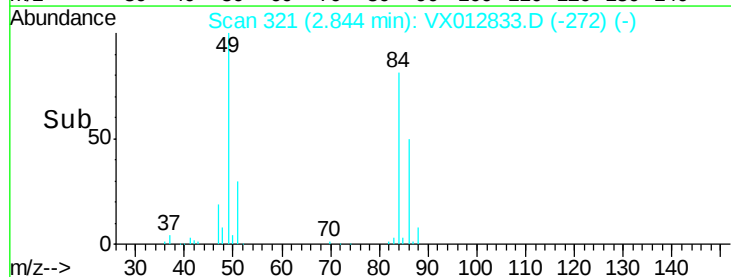
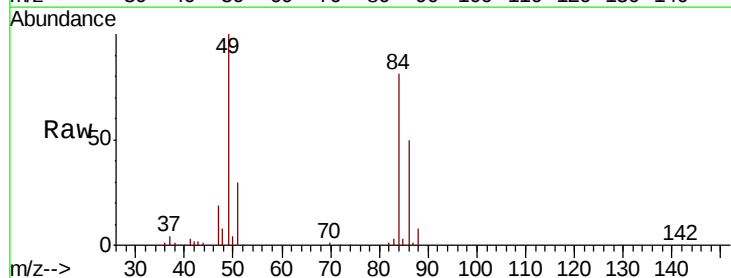
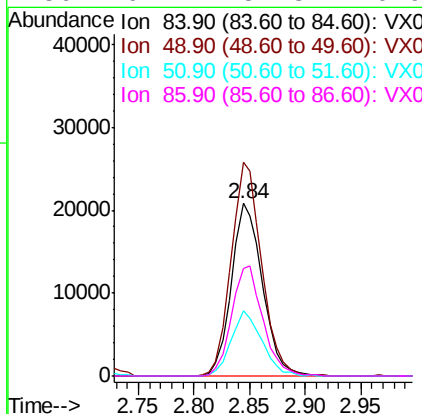
MMDadoda
10/8/2019 2:06:48 PM

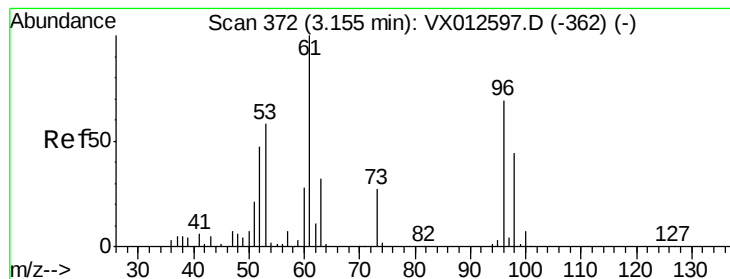


#20

Methylene Chloride
Concen: 17.856 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	106.8	160.2
51	37.5	32.3	48.5
86	62.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 17.135 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion: 96 Resp: 35191

Ion Ratio Lower Upper

96 100

61 151.3 112.0 168.0

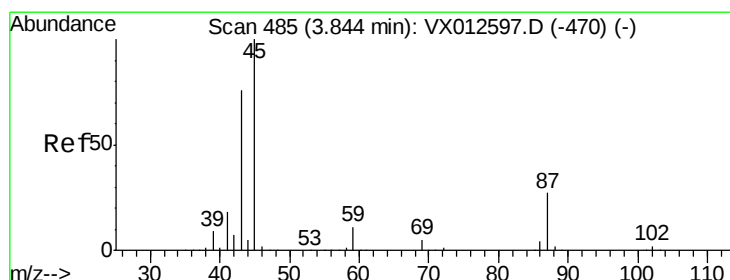
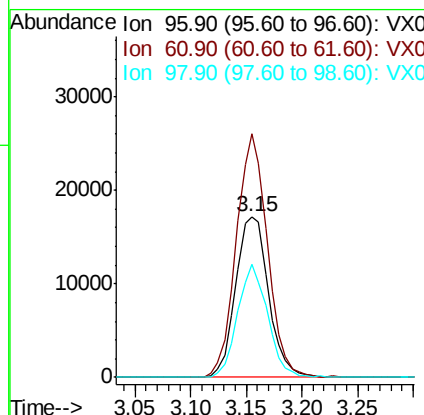
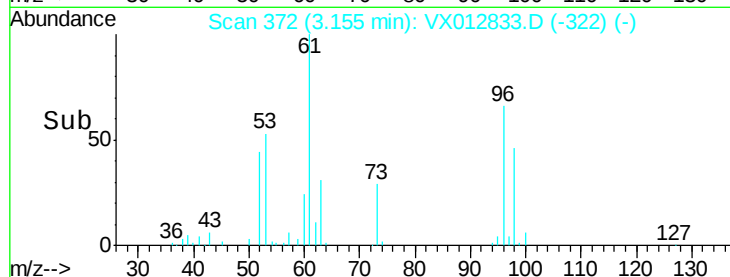
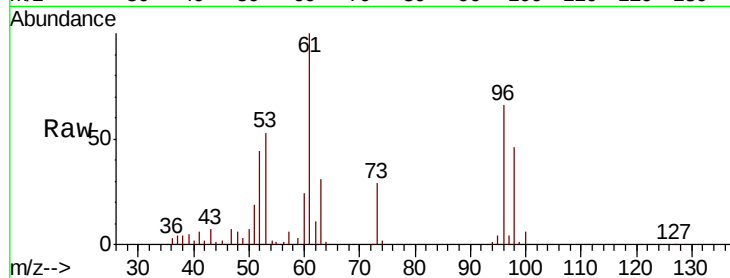
98 69.9 47.8 71.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:06:48 PM



#22

Diisopropyl ether

Concen: 17.825 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Tgt Ion: 45 Resp: 126678

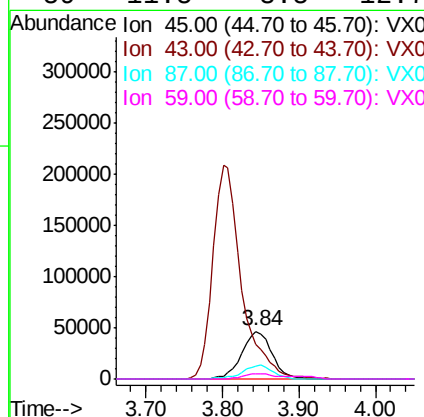
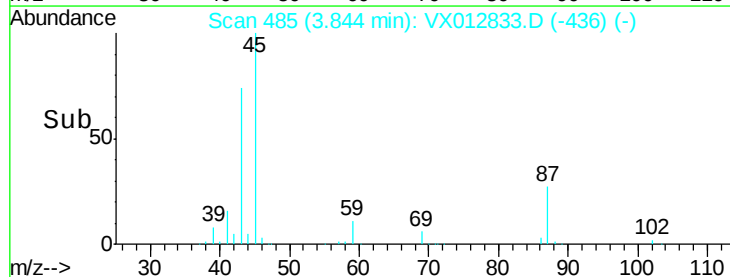
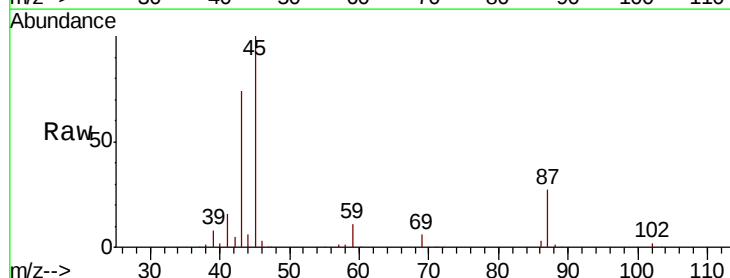
Ion Ratio Lower Upper

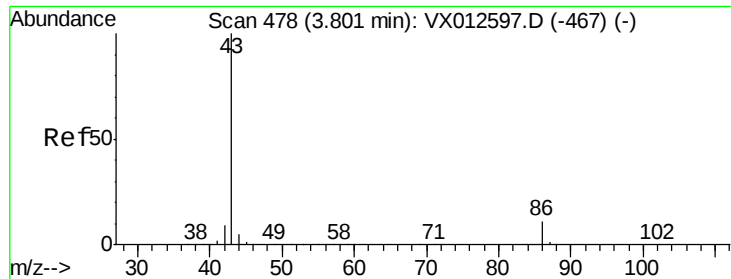
45 100

43 72.9 57.8 86.8

87 27.4 21.3 31.9

59 11.5 8.5 12.7





#23

Vinyl Acetate

Concen: 86.605 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion: 43 Resp: 539736

Ion Ratio Lower Upper

43 100

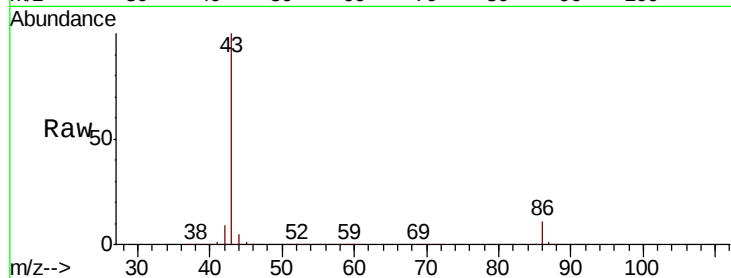
86 11.0 7.8 11.8

Manual Integrations

APPROVED

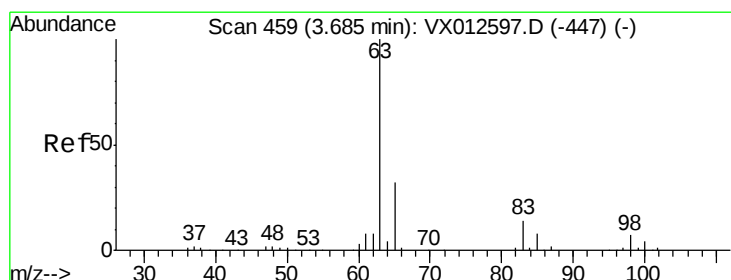
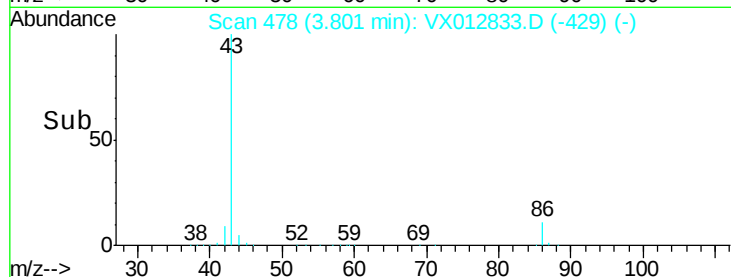
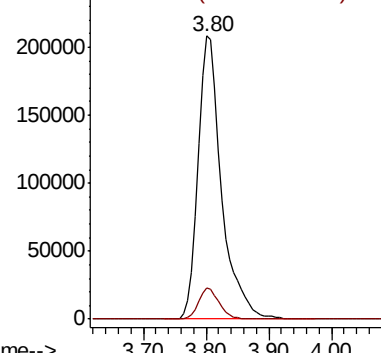
MMDadoda

10/8/2019 2:06:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.983 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

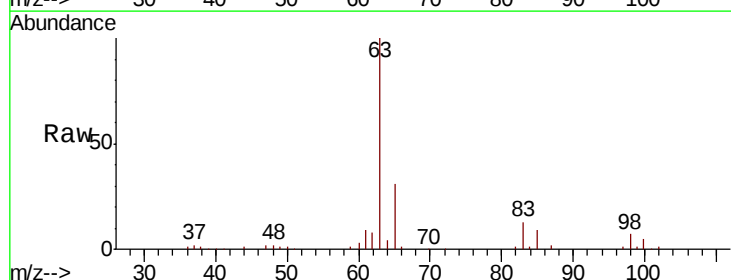
Tgt Ion: 63 Resp: 69466

Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

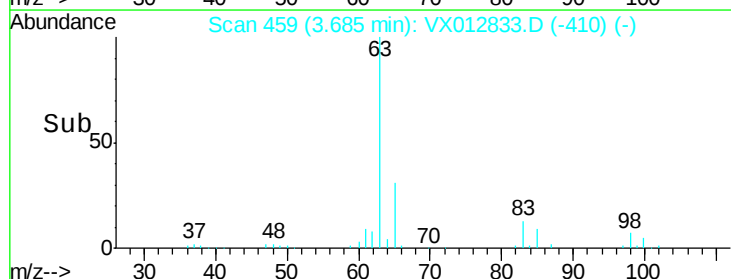
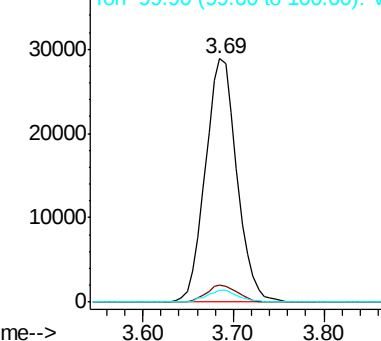
100 4.8 2.3 6.9

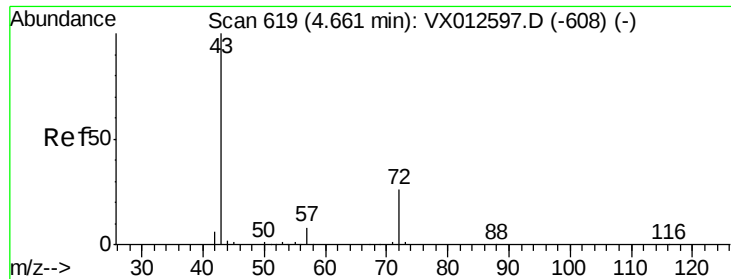


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 86.903 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion: 43 Resp: 165707

Ion Ratio Lower Upper

43 100

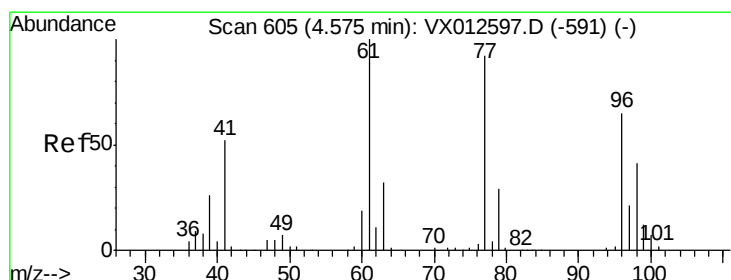
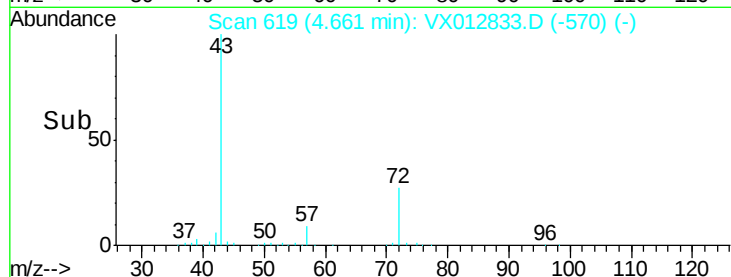
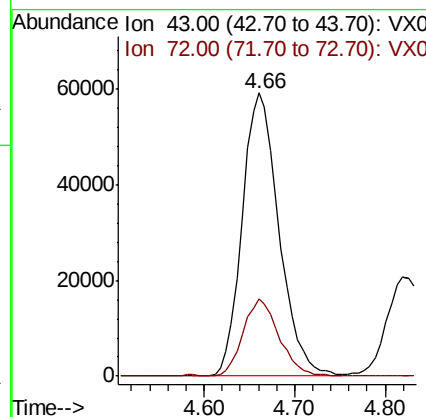
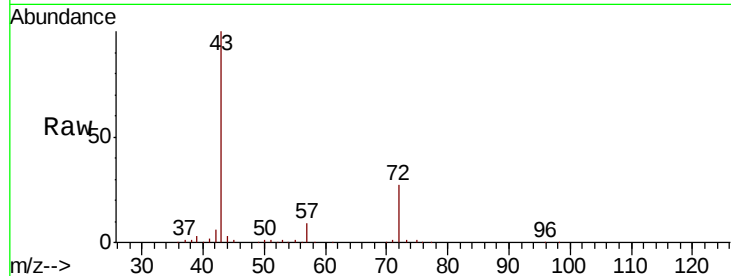
72 27.0 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:06:48 PM



#26

2,2-Dichloropropane

Concen: 16.646 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012833.D

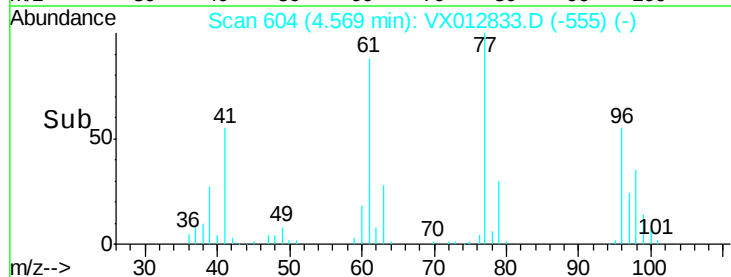
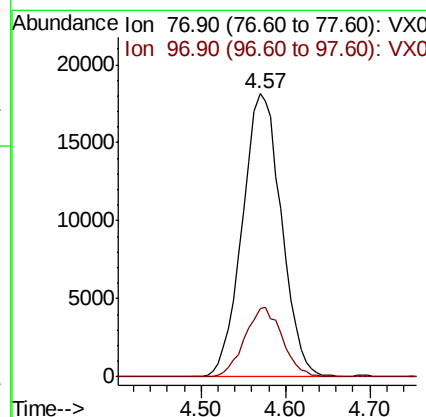
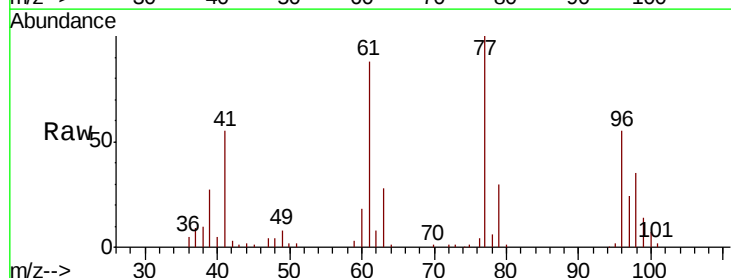
Acq: 07 Oct 2019 13:16

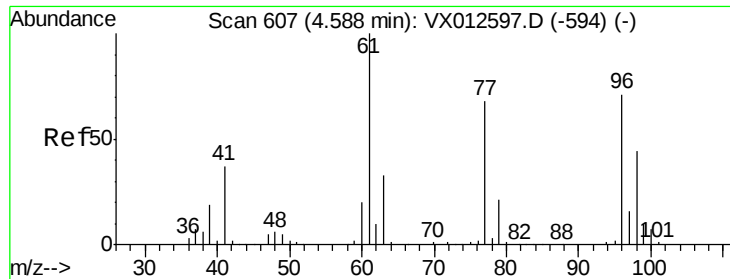
Tgt Ion: 77 Resp: 57192

Ion Ratio Lower Upper

77 100

97 23.4 10.5 31.6





#27

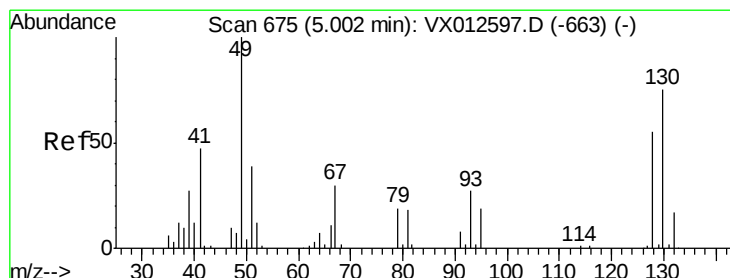
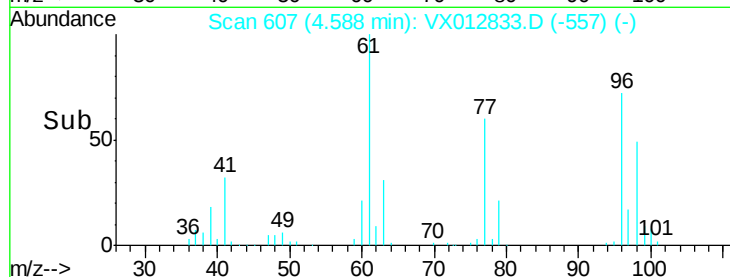
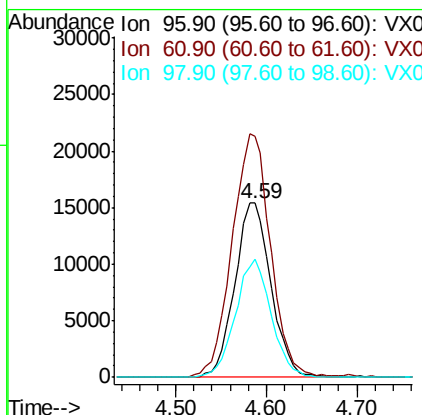
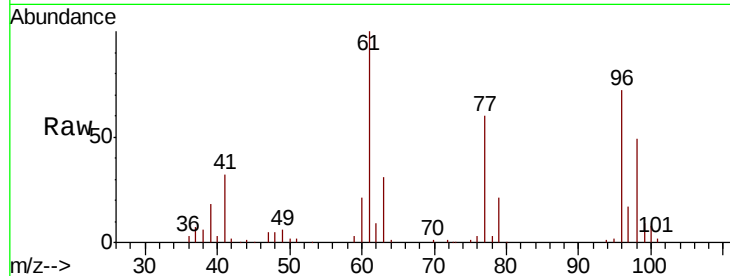
cis-1,2-Dichloroethene
Concen: 17.835 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	42499		
61	148.6	0.0	319.4	
98	66.7	0.0	130.6	

Manual Integrations
APPROVED

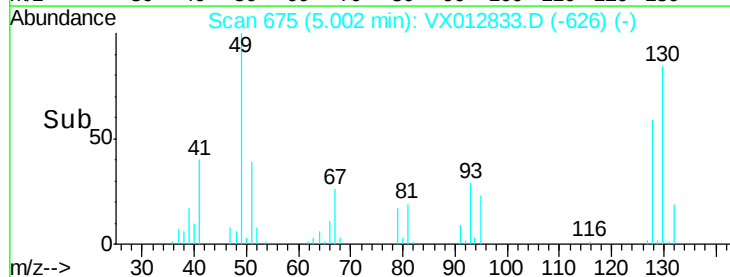
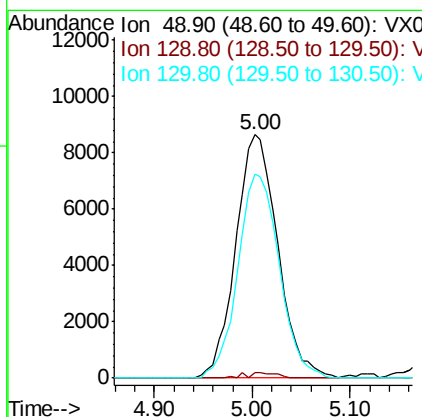
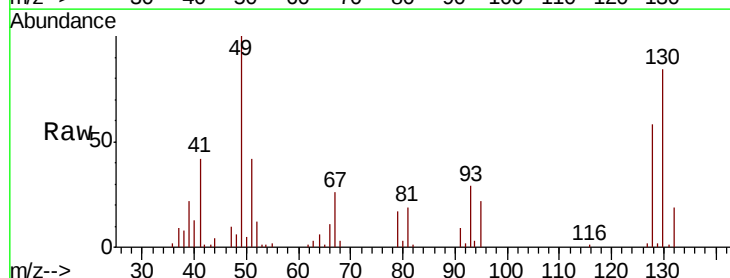
MMDadoda
10/8/2019 2:06:48 PM

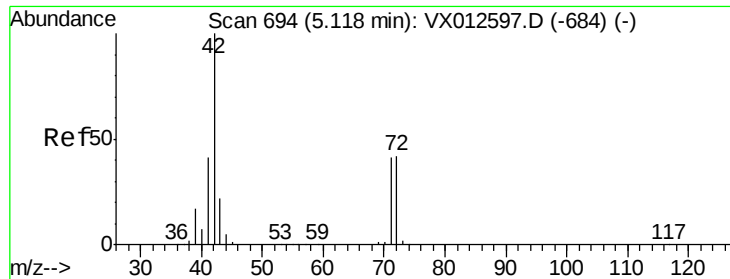


#28

Bromochloromethane
Concen: 18.397 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	25805		
129	1.7	0.0	3.8	
130	83.0	58.2	87.4	





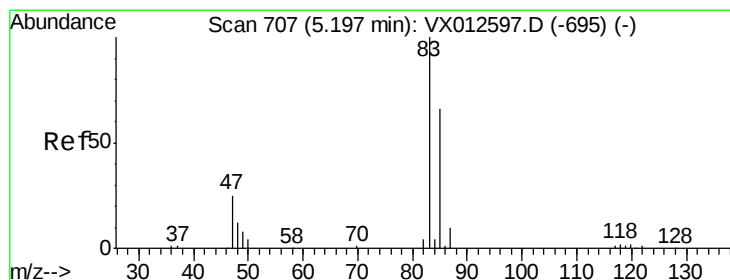
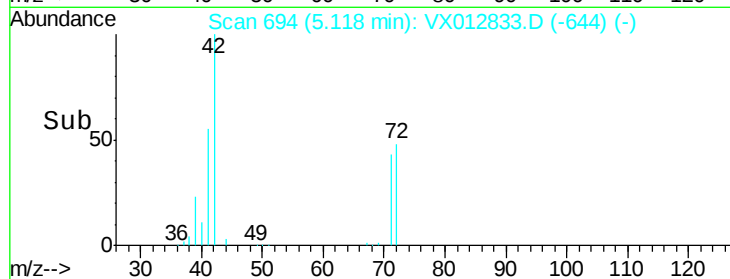
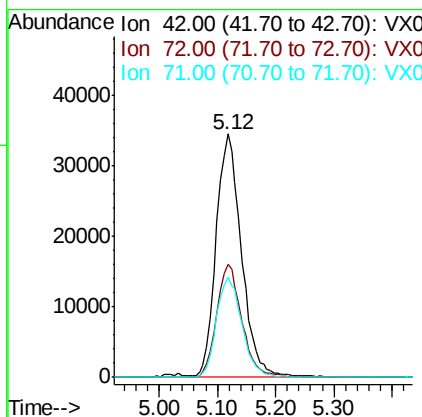
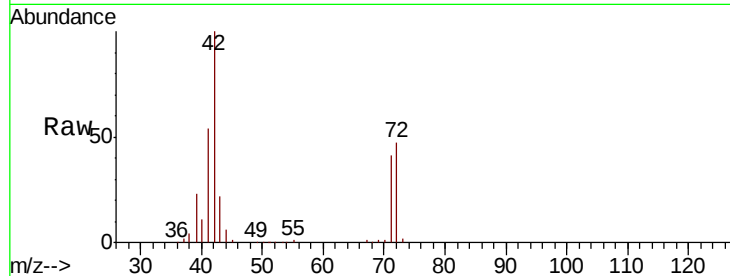
#29
Tetrahydrofuran
Concen: 88.823 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	34.0	51.0
71	41.9	31.5	47.3

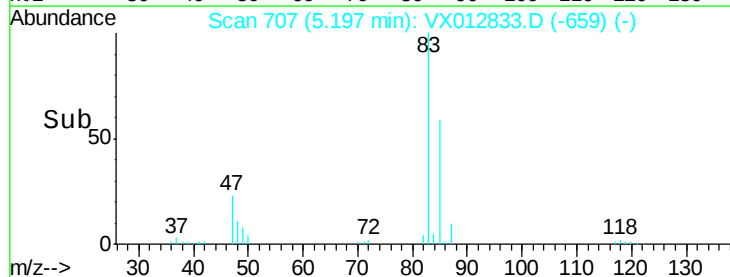
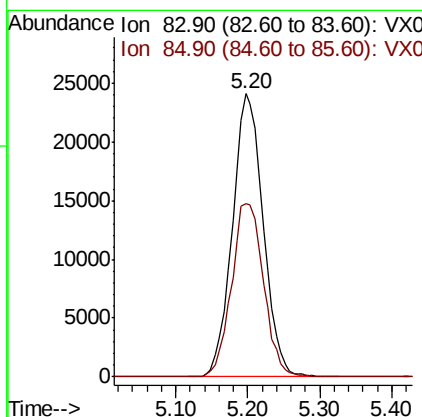
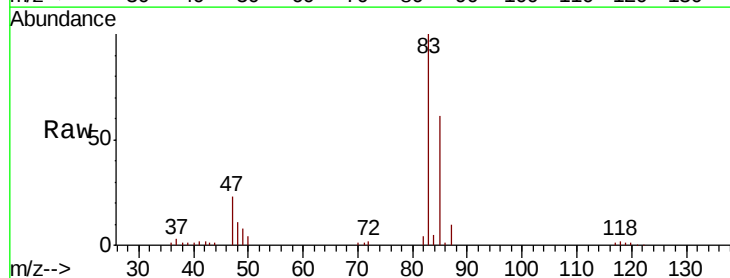
Manual Integrations
APPROVED

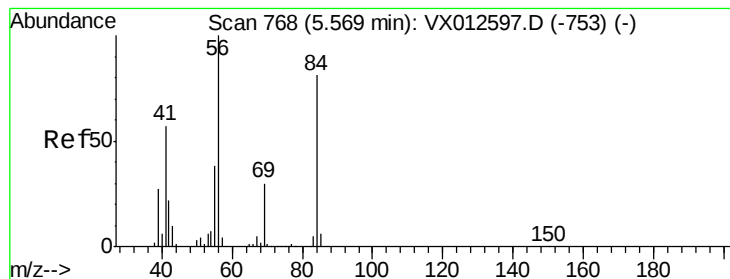
MMDadoda
10/8/2019 2:06:48 PM



#30
Chloroform
Concen: 18.055 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	53.0	79.4





#31

Cyclohexane

Concen: 17.034 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

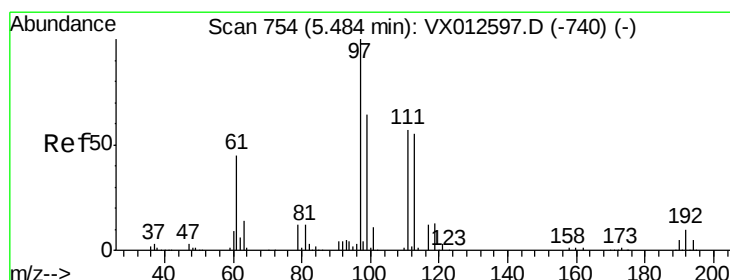
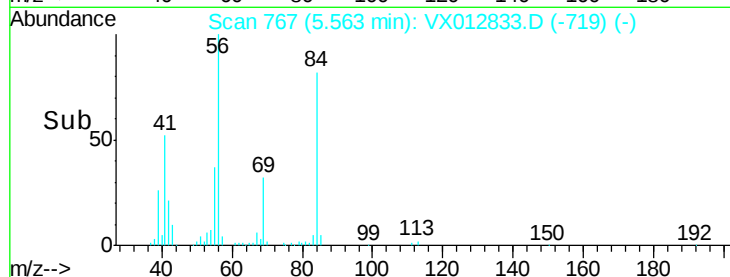
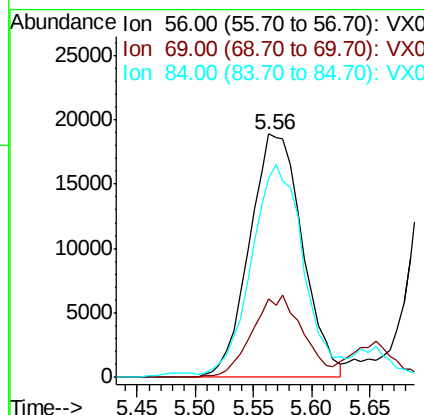
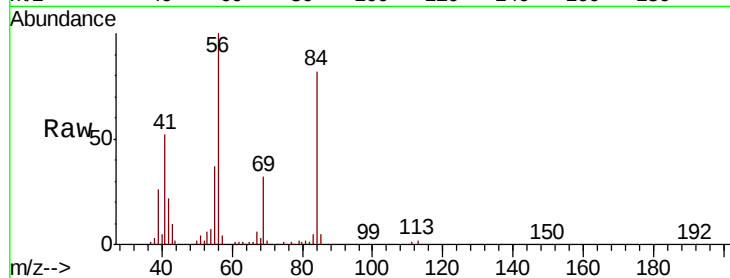
ClientSampleId :

VX1007MBS01

Tot Ion:	56	Resp:	59527
Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.0	37.6
84	79.8	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM



#32

1,1,1-Trichloroethane

Concen: 17.169 ug/l

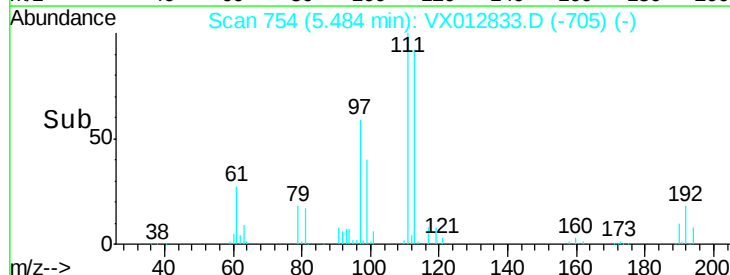
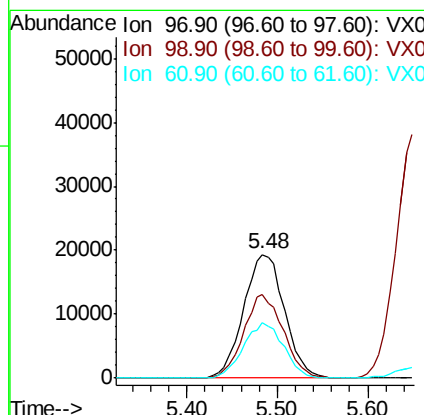
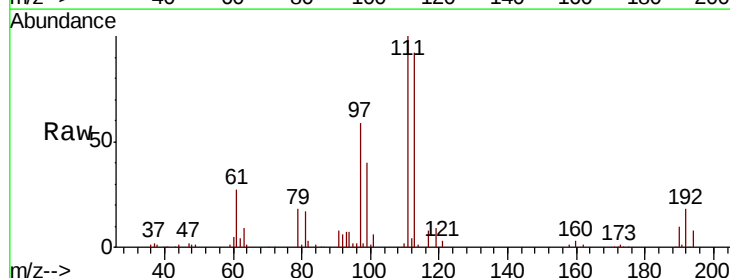
RT: 5.48 min Scan# 754

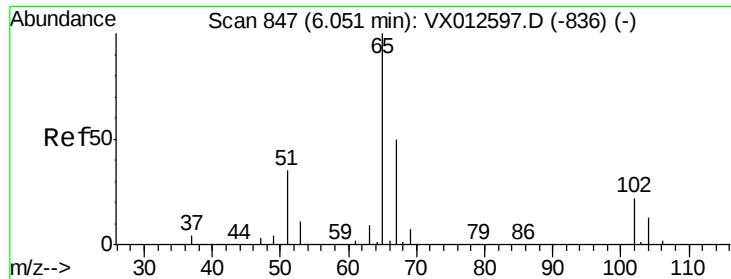
Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Tgt Ion:	97	Resp:	60139
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.3	76.9
61	44.3	36.1	54.1





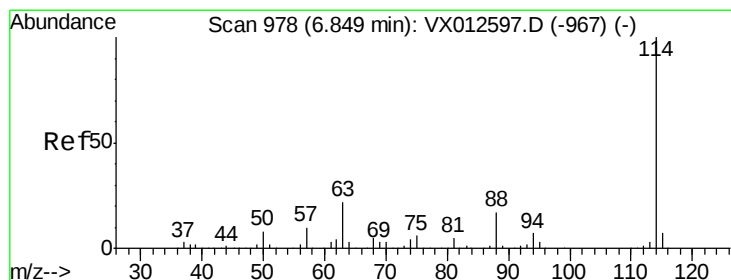
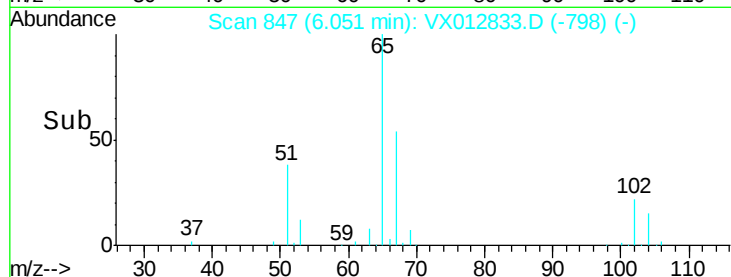
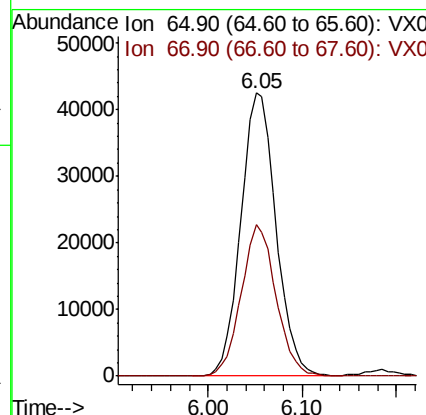
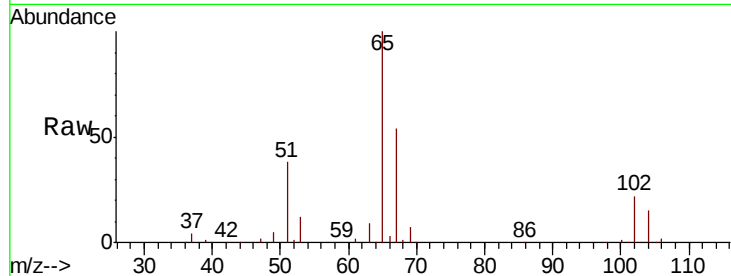
#33
 1,2-Dichloroethane-d4
 Concen: 44.258 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111118		
67	52.9	0.0	101.2	

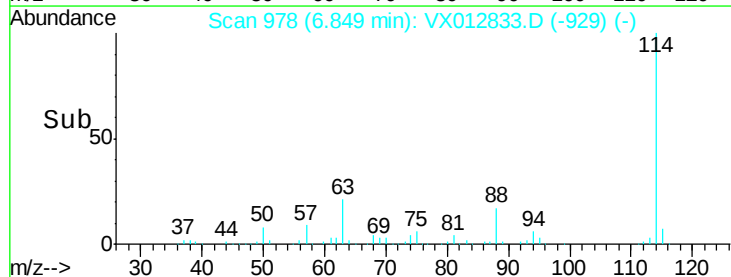
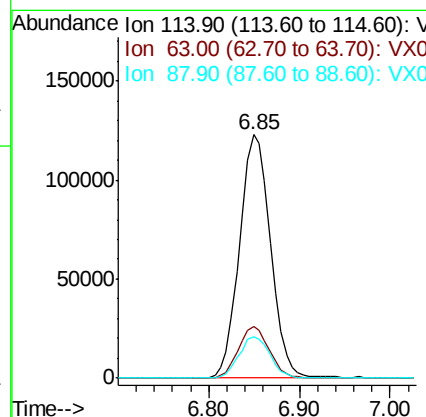
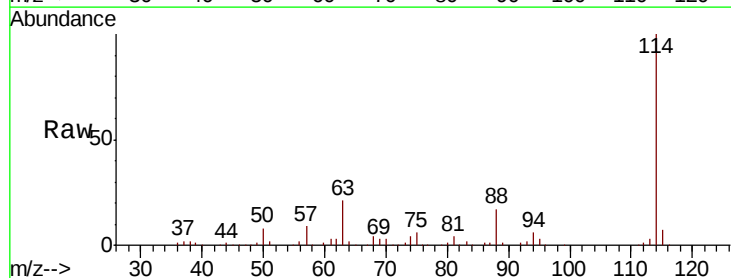
Manual Integrations
 APPROVED

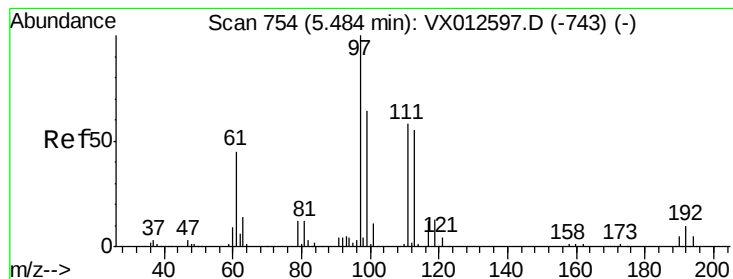
MMDadoda
 10/8/2019 2:06:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	292510		
63	21.1	0.0	43.2	
88	17.2	0.0	33.2	





#35

Dibromofluoromethane

Concen: 50.961 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

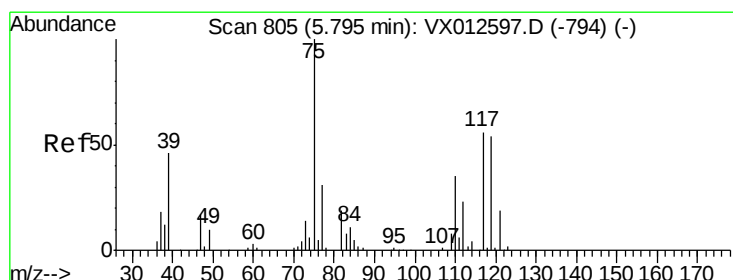
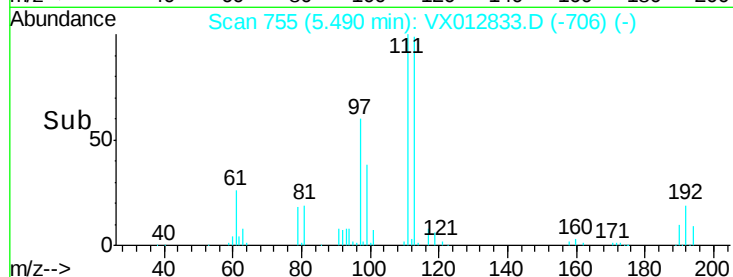
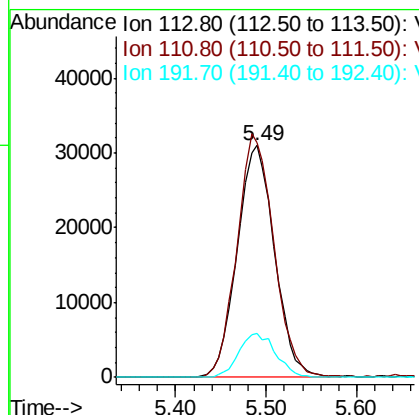
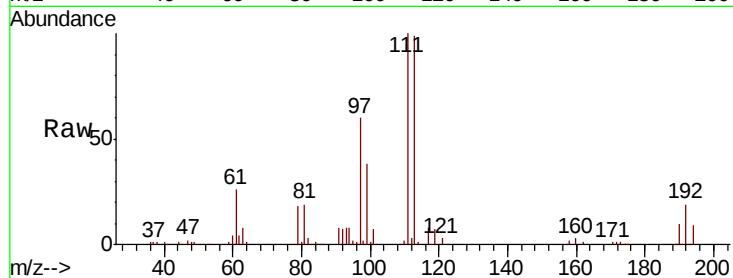
ClientSampleId :

VX1007MBS01

Tot Ion:	113	Resp:	88776
Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.4	125.2
192	18.7	14.4	21.6

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM



#36

1,1-Dichloropropene

Concen: 17.219 ug/l

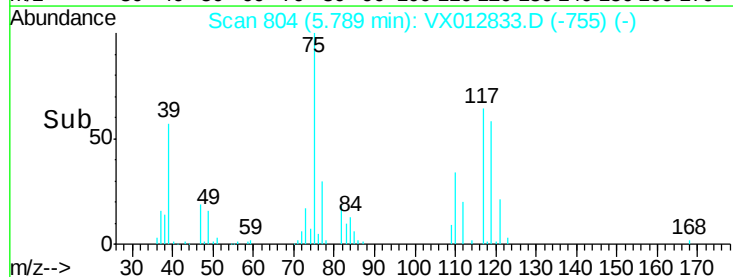
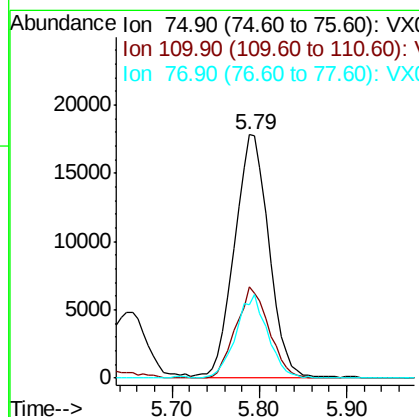
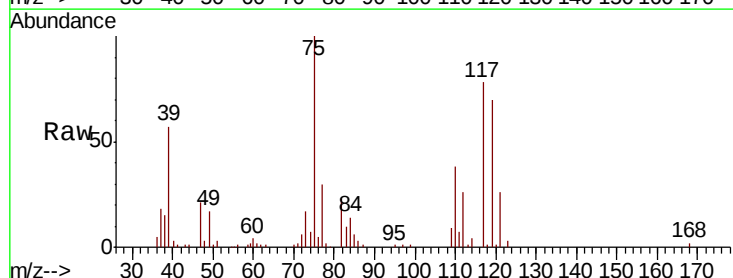
RT: 5.79 min Scan# 804

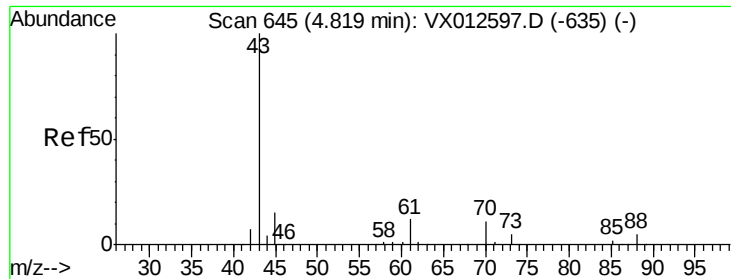
Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Tgt Ion:	75	Resp:	48548
Ion	Ratio	Lower	Upper
75	100		
110	36.3	16.7	50.0
77	31.9	24.2	36.2





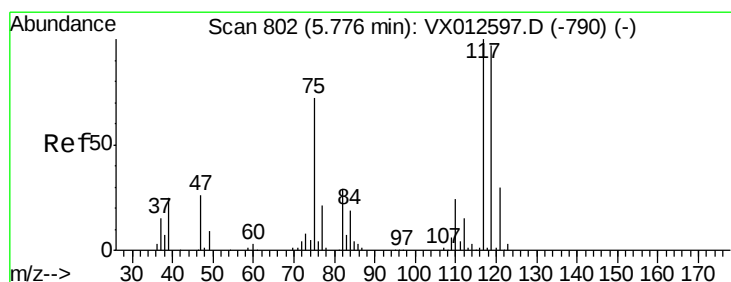
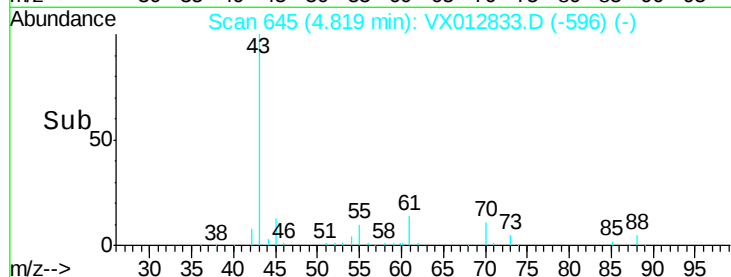
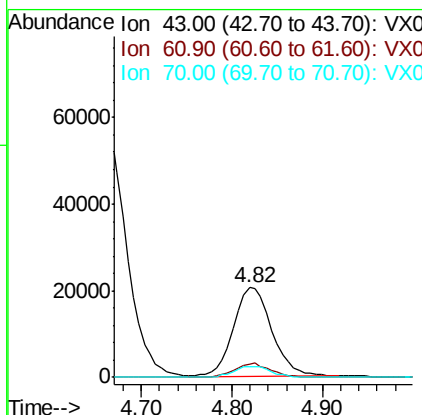
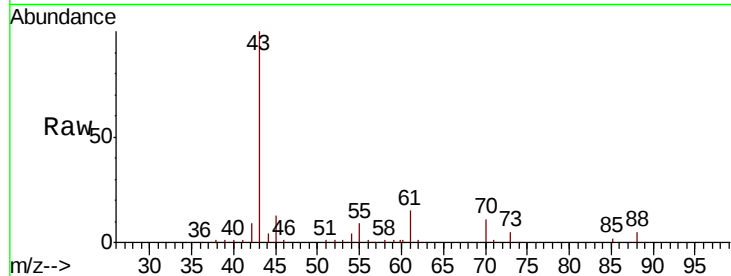
#37
Ethyl Acetate
Concen: 18.361 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.2	15.4
70	12.2	8.7	13.1

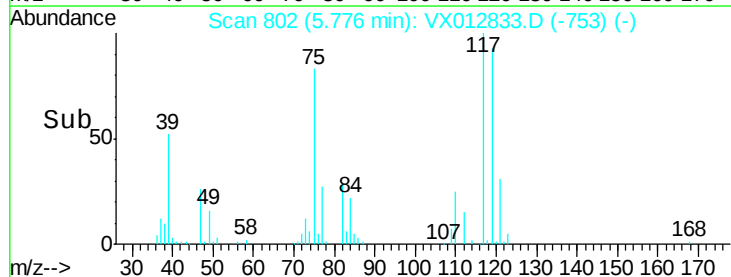
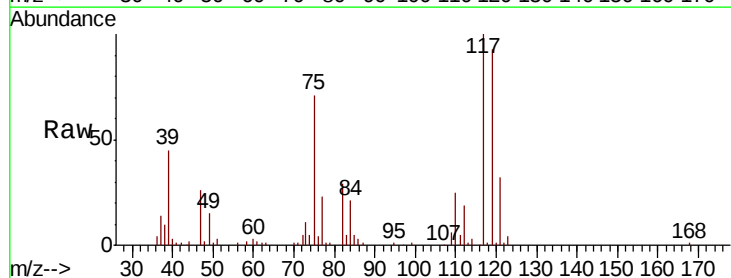
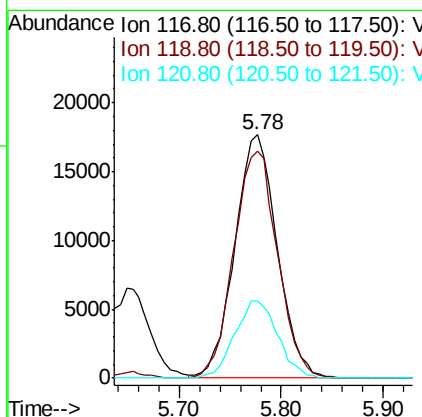
Manual Integrations
APPROVED

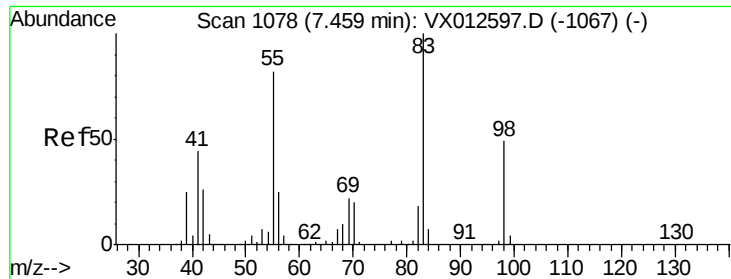
MMDadoda
10/8/2019 2:06:48 PM



#38
Carbon Tetrachloride
Concen: 17.835 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.7	113.5
121	31.5	24.2	36.4





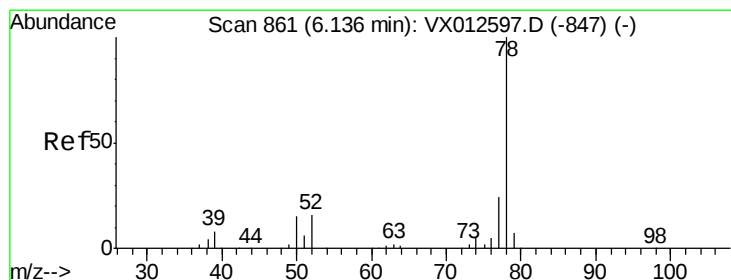
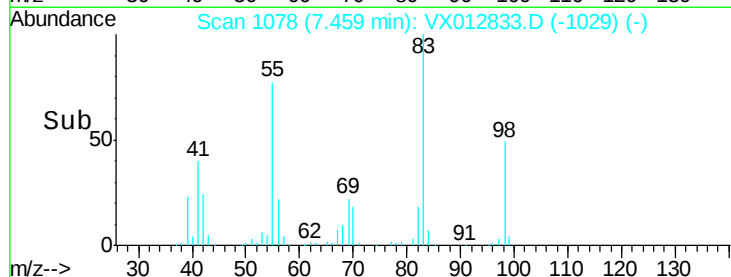
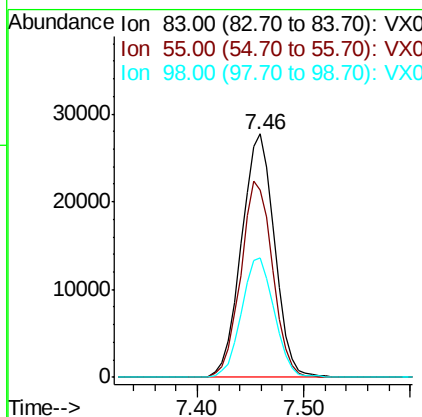
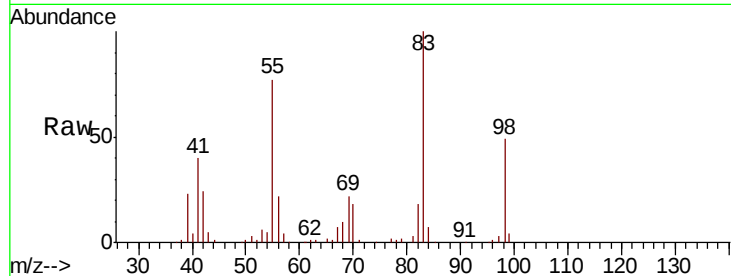
#39
Methvlcvclohexane
Concen: 17.840 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	64.4	96.6
98	49.0	40.1	60.1

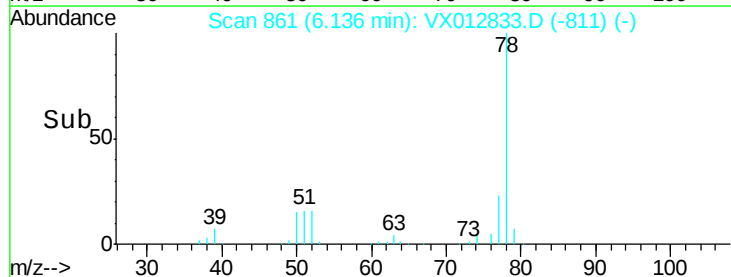
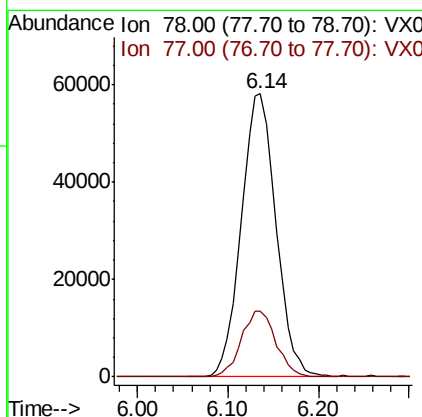
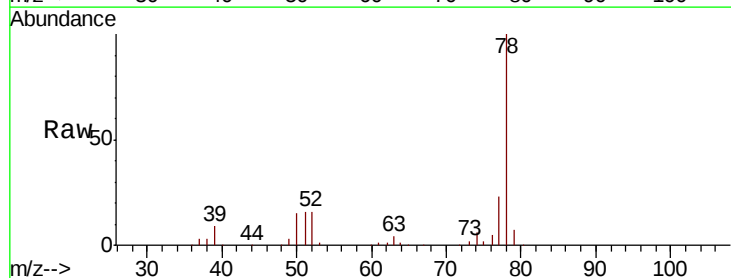
Manual Integrations
APPROVED

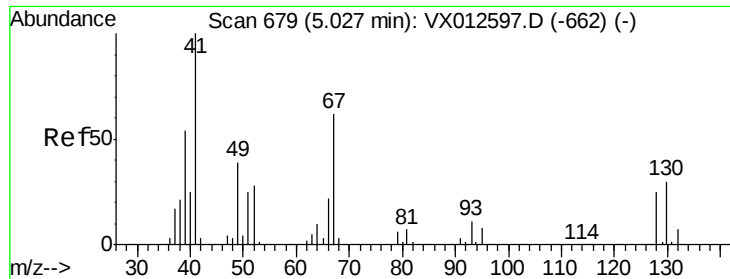
MMDadoda
10/8/2019 2:06:48 PM



#40
Benzene
Concen: 18.591 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





#41

Methacrylonitrile

Concen: 18.539 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion: 41 Resp: 34287
Ion Ratio Lower Upper

41 100

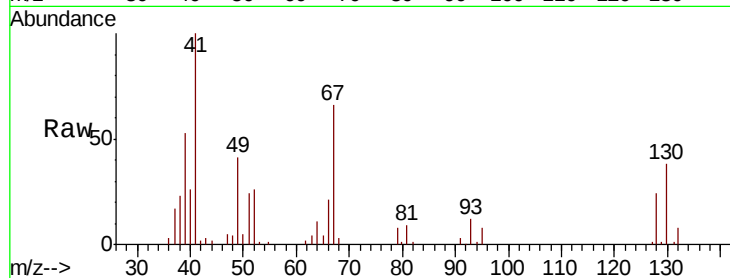
39 56.2 46.0 69.0

67 71.5 52.2 78.2

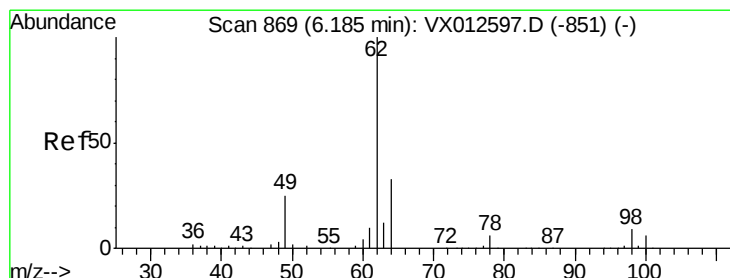
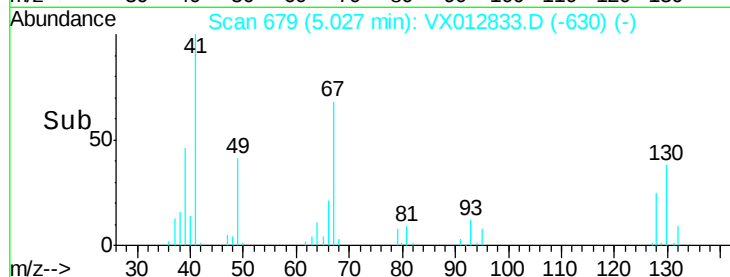
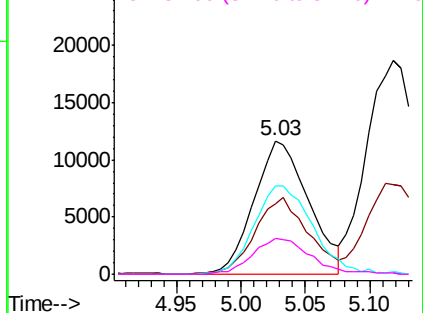
52 28.7 22.7 34.1

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 17.900 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

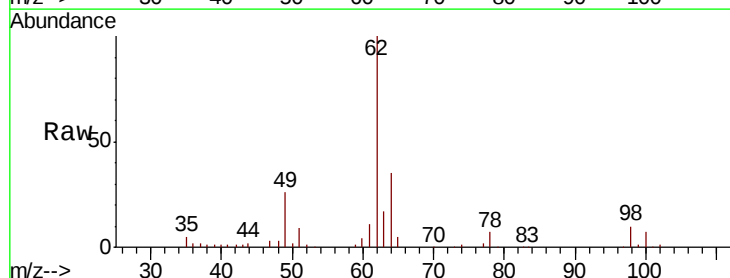
Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

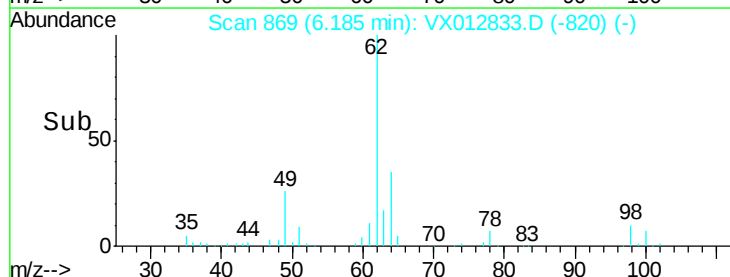
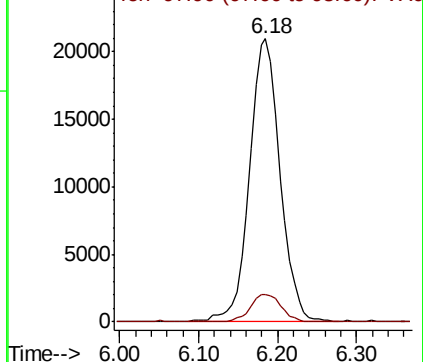
Tgt Ion: 62 Resp: 56389
Ion Ratio Lower Upper

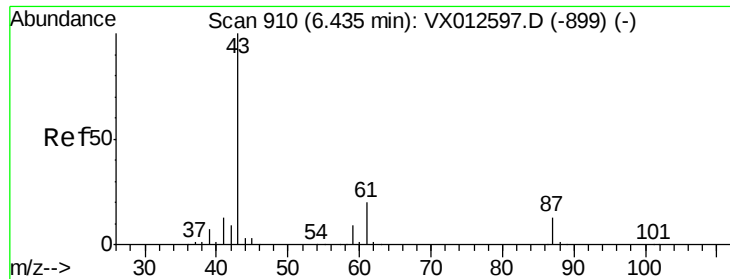
62 100

98 9.7 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





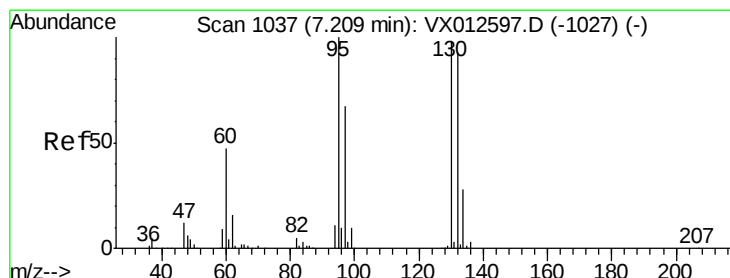
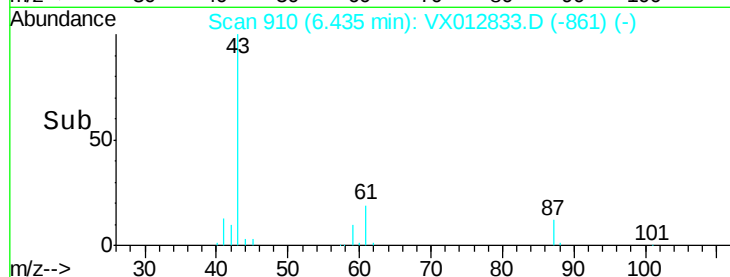
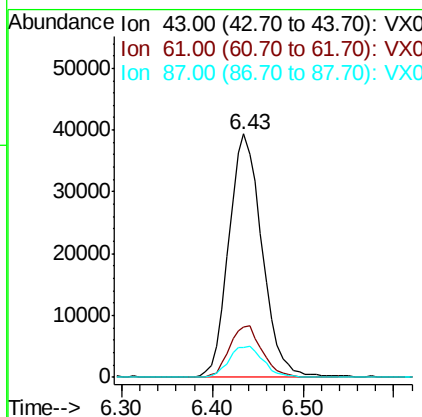
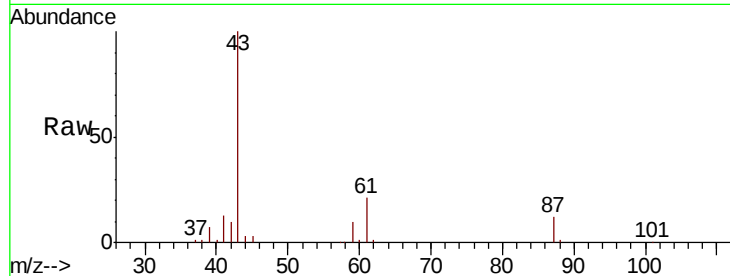
#43
Isopropyl Acetate
Concen: 18.175 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.4	23.0
87	13.3	9.8	14.8

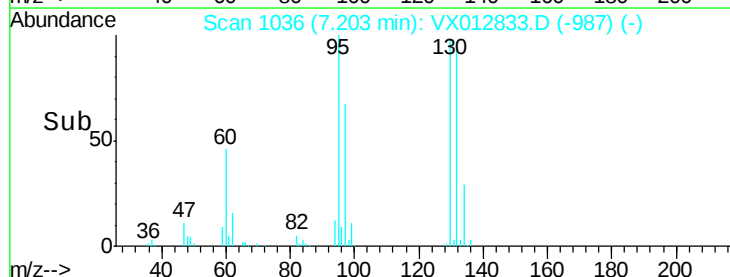
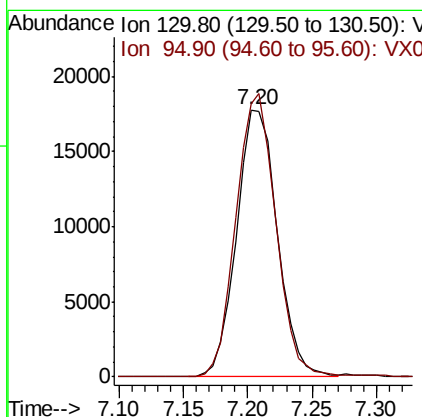
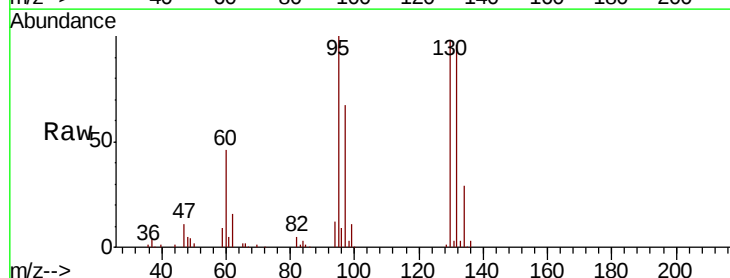
Manual Integrations
APPROVED

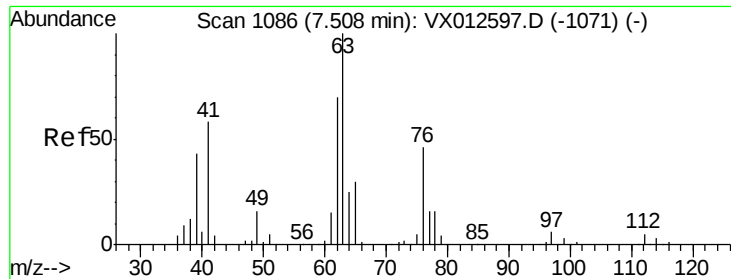
MMDadoda
10/8/2019 2:06:48 PM



#44
Trichloroethene
Concen: 18.389 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	193.0





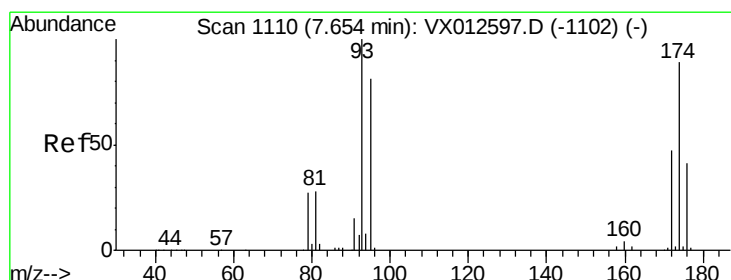
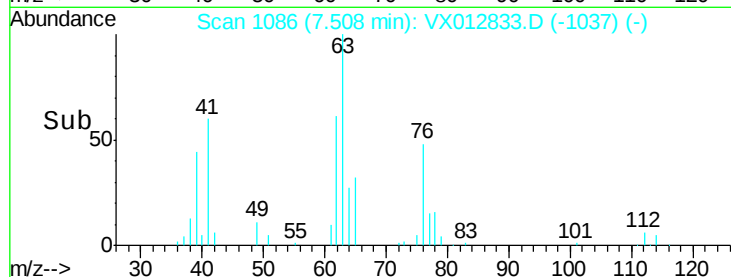
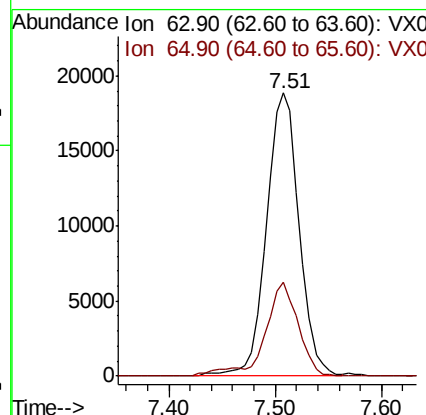
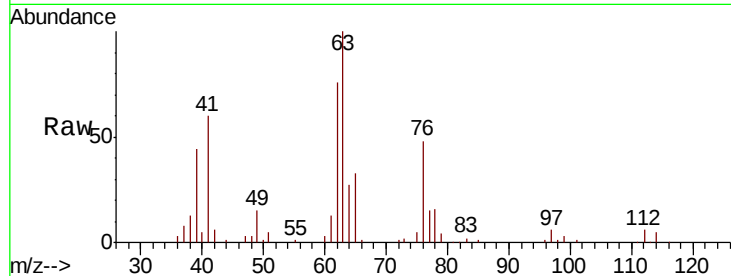
#45
 1,2-Dichloropropane
 Concen: 18.974 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007MBS01

Tot Ion: 63 Resp: 40299
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.0 37.6

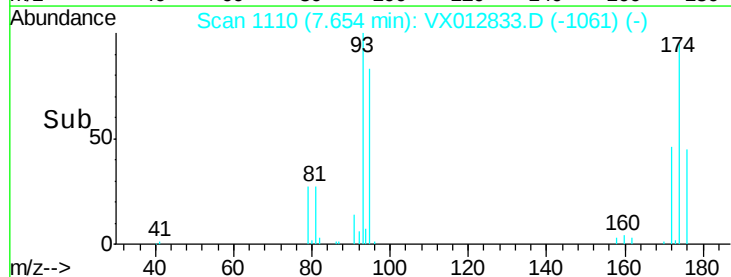
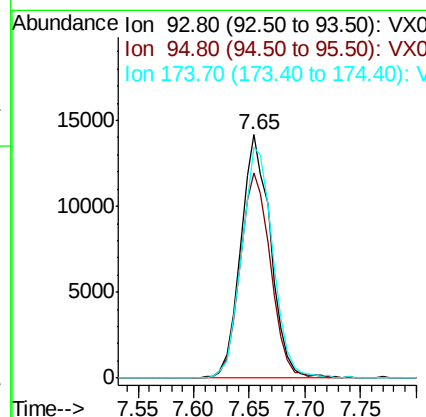
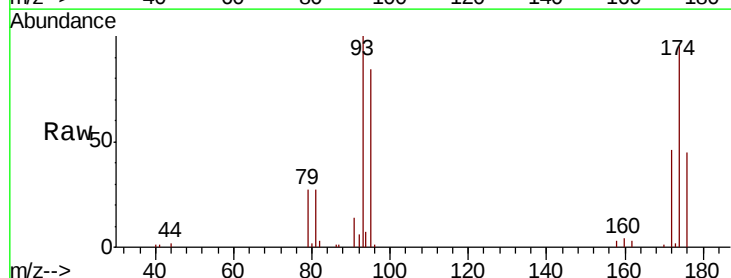
Manual Integrations
 APPROVED

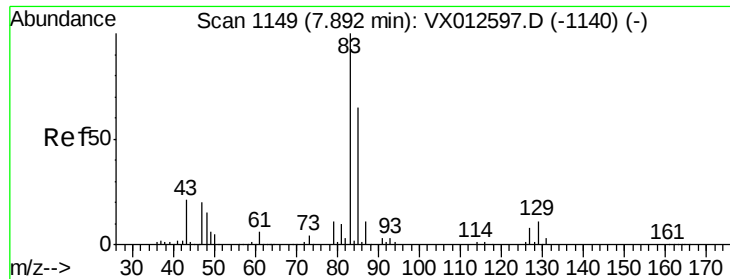
MMDadoda
 10/8/2019 2:06:48 PM



#46
 Dibromomethane
 Concen: 18.177 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Tgt Ion: 93 Resp: 26285
 Ion Ratio Lower Upper
 93 100
 95 85.7 66.6 100.0
 174 99.3 77.4 116.0





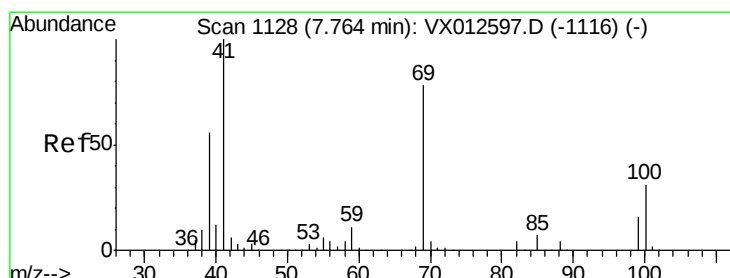
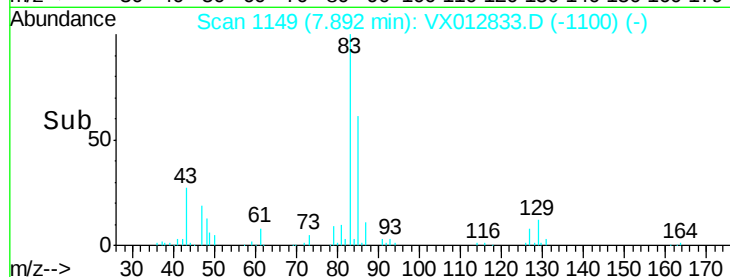
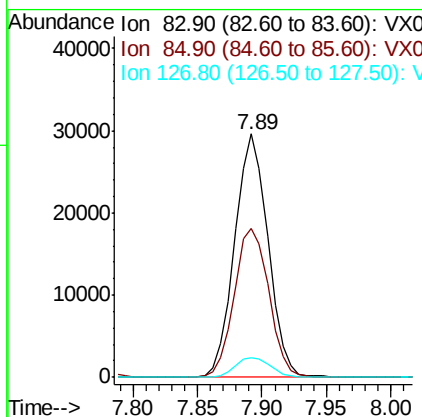
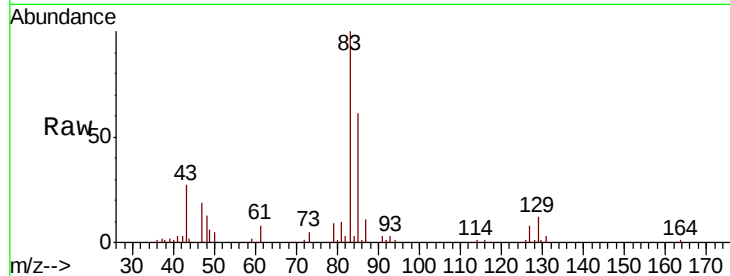
#47
Bromodichloromethane
Concen: 18.424 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	83	Resp	53248
Ion Ratio	100	Lower	Upper
83	100		
85	61.2	51.8	77.6
127	7.8	7.3	10.9

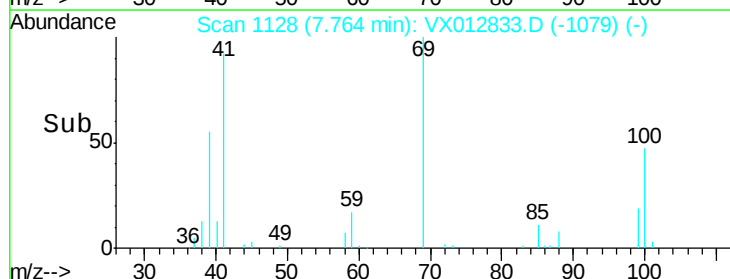
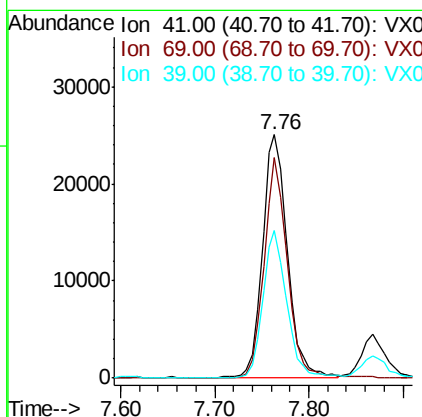
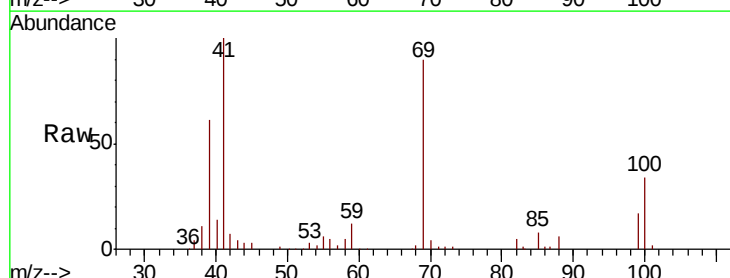
Manual Integrations
APPROVED

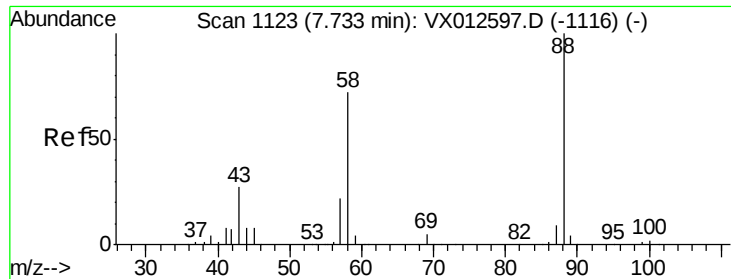
MMDadoda
10/8/2019 2:06:48 PM



#48
Methyl methacrylate
Concen: 17.734 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	41	Resp	46874
Ion Ratio	100	Lower	Upper
41	100		
69	84.0	59.9	89.9
39	58.1	47.8	71.6





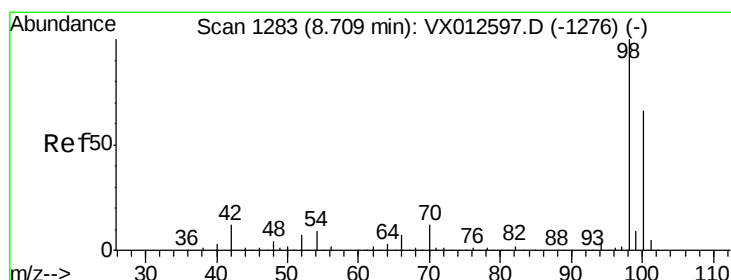
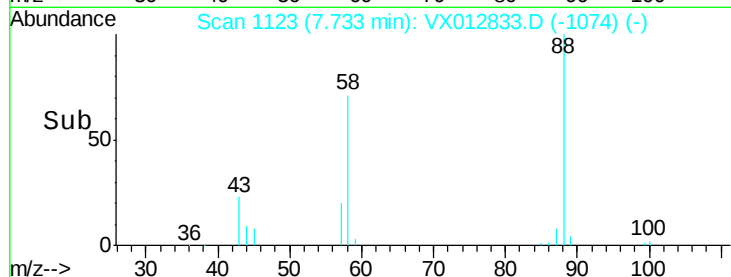
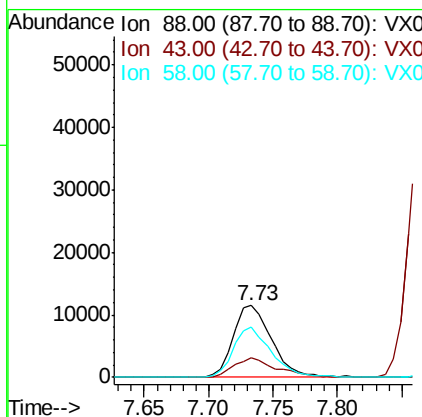
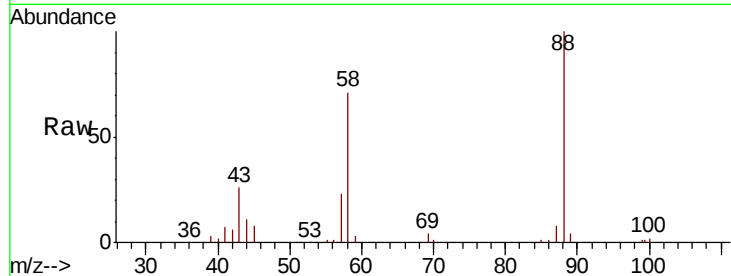
#49
1,4-Dioxane
Concen: 395.152 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	29.4	44.0
58	69.8	57.5	86.3

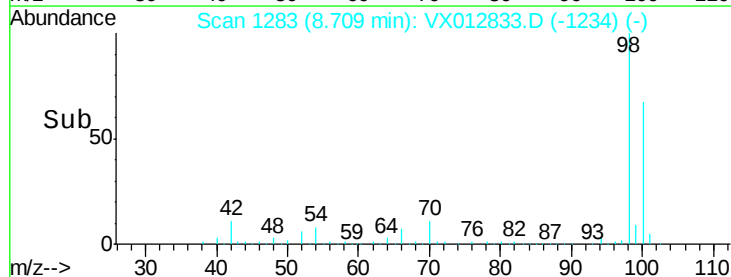
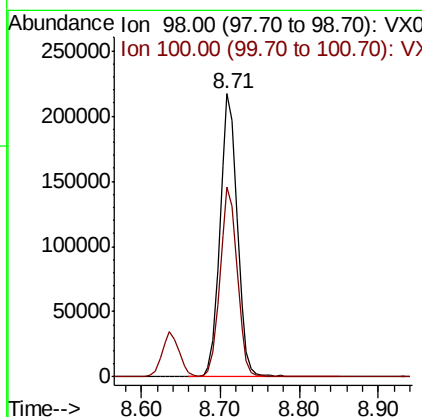
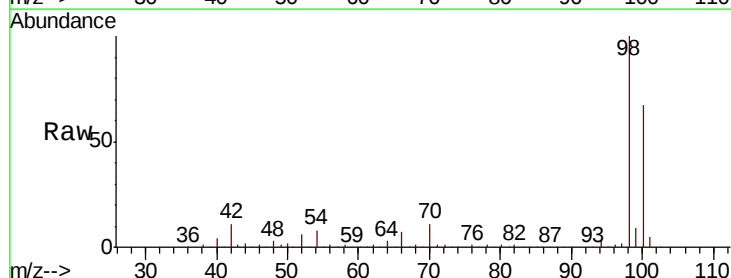
Manual Integrations
APPROVED

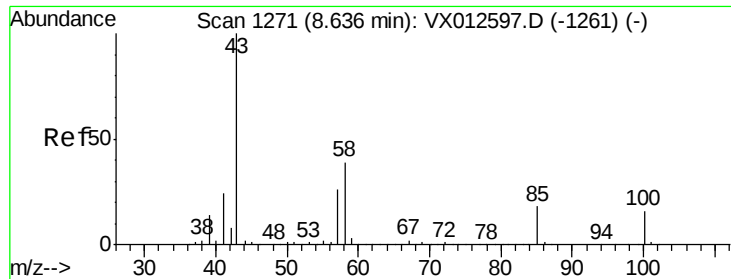
MMDadoda
10/8/2019 2:06:48 PM



#50
Toluene-d8
Concen: 49.587 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 91.036 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion: 43 Resp: 309769

Ion Ratio Lower Upper

43 100

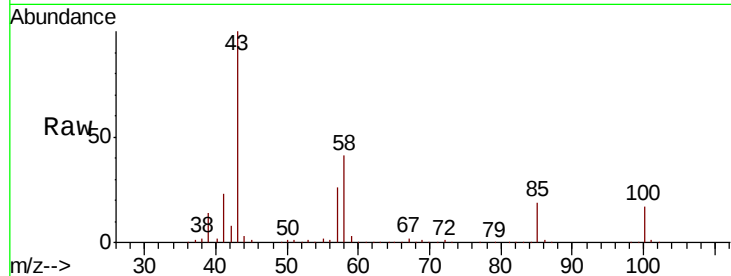
58 40.4 29.8 44.6

Manual Integrations

APPROVED

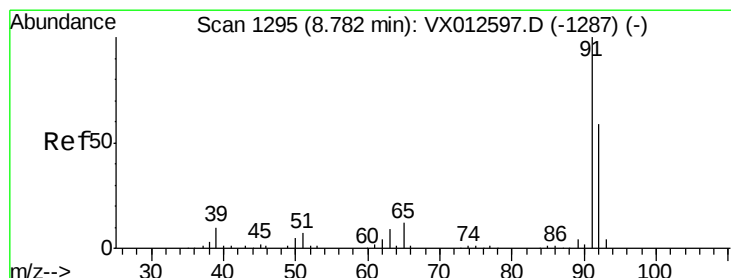
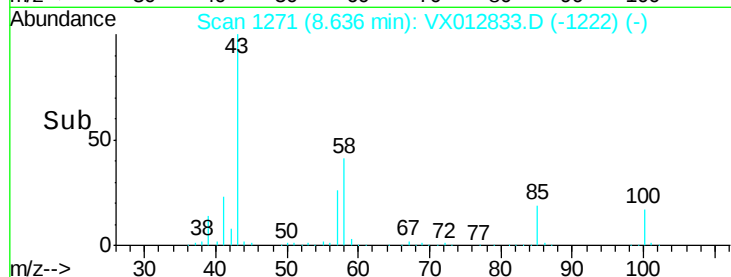
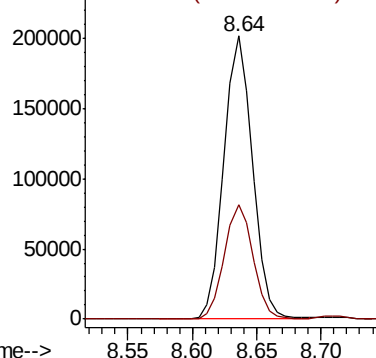
MMDadoda

10/8/2019 2:06:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.820 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012833.D

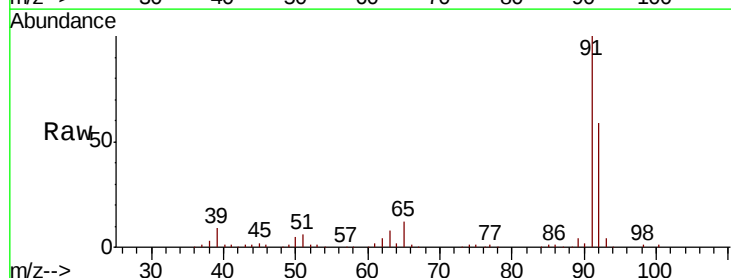
Acq: 07 Oct 2019 13:16

Tgt Ion: 92 Resp: 98126

Ion Ratio Lower Upper

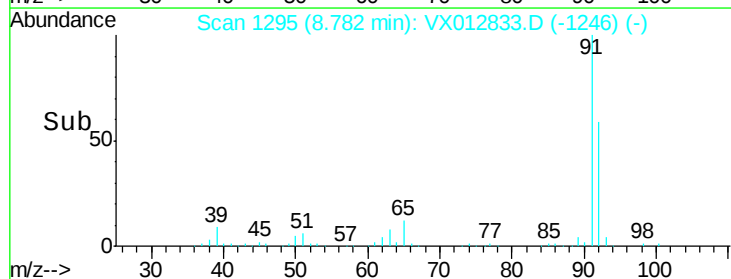
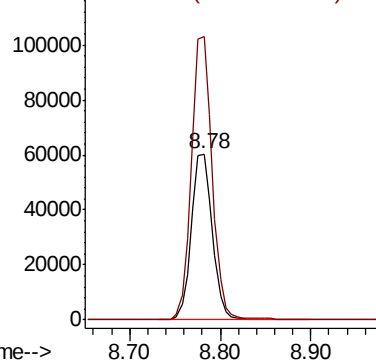
92 100

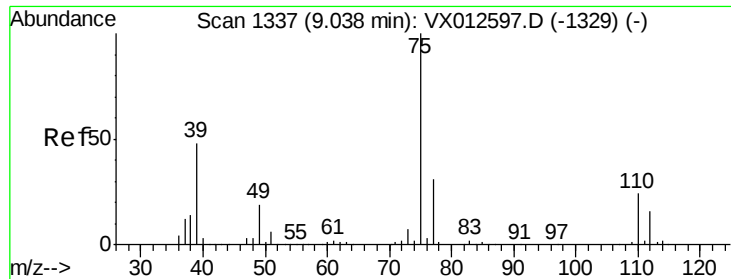
91 167.9 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





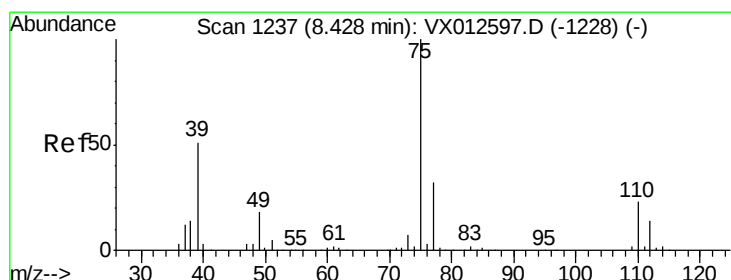
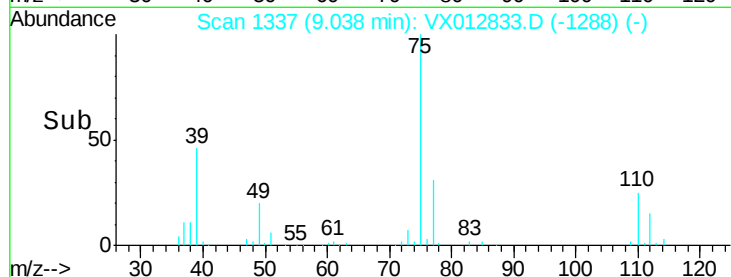
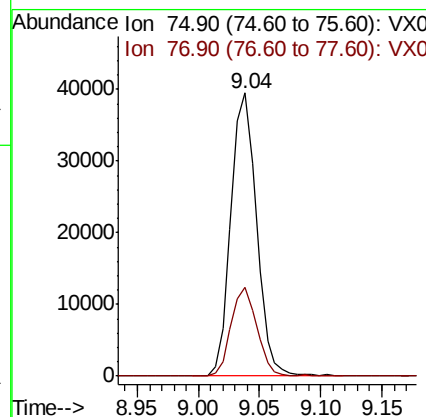
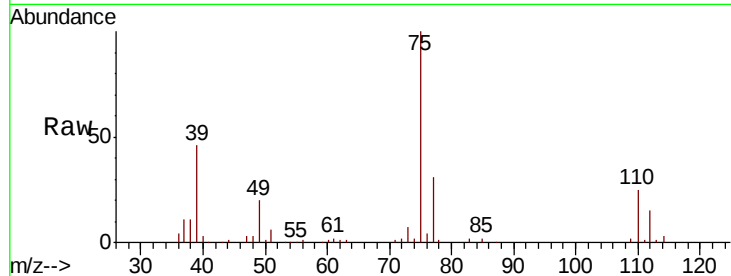
#53
t-1,3-Dichloropropene
Concen: 17.972 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion: 75 Resp: 57468
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

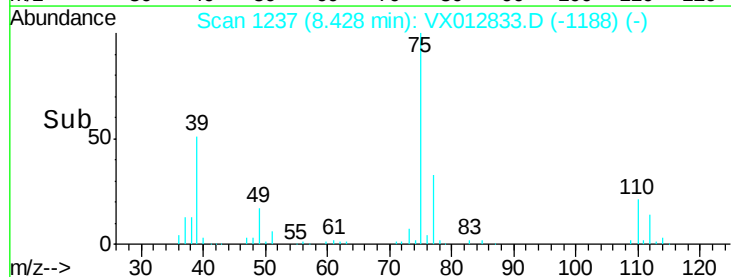
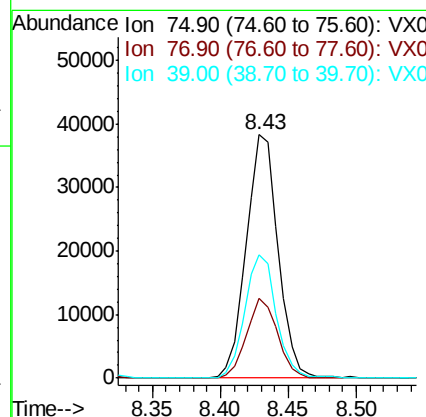
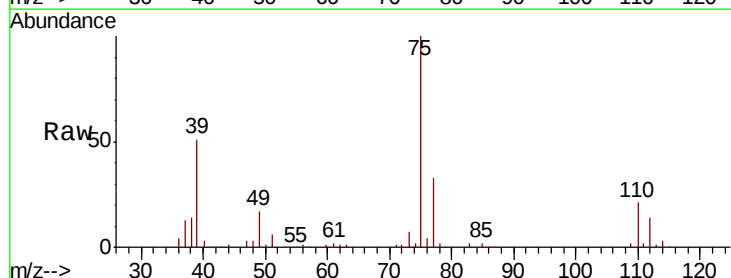
Manual Integrations
APPROVED

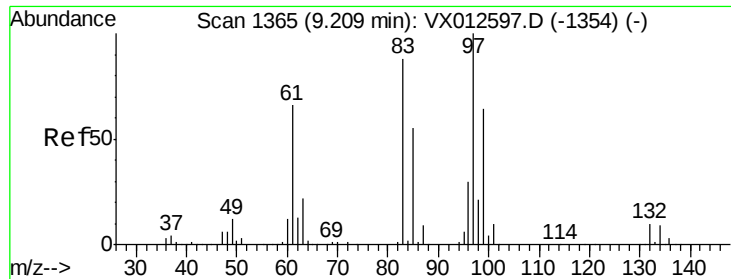
MMDadoda
10/8/2019 2:06:48 PM



#54
cis-1,3-Dichloropropene
Concen: 18.006 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion: 75 Resp: 62864
Ion Ratio Lower Upper
75 100
77 32.9 25.8 38.8
39 50.8 45.5 68.3





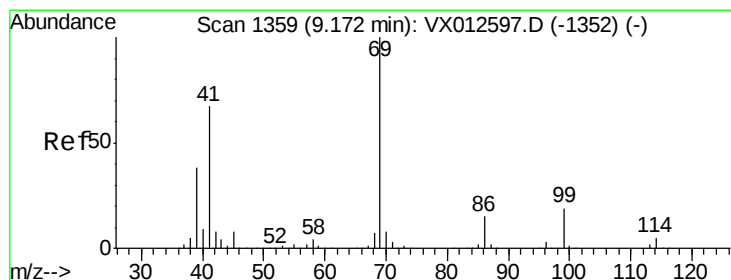
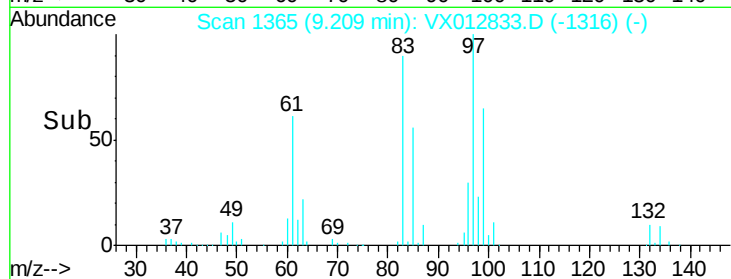
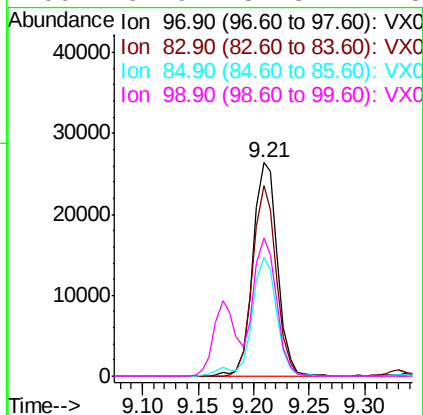
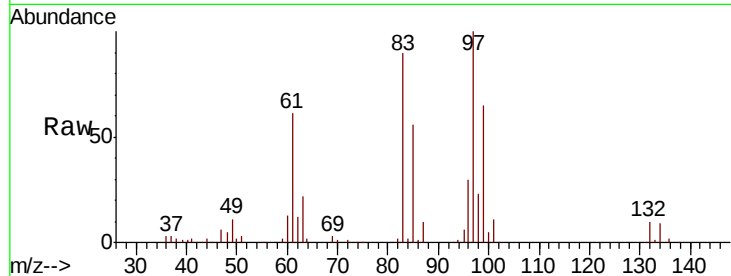
#55
 1,1,2-Trichloroethane
 Concen: 19.618 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007MBS01

Tot Ion:	97	Resp:	40667
Ion	Ratio	Lower	Upper
97	100		
83	89.6	67.4	101.2
85	55.6	43.5	65.3
99	64.9	51.8	77.8

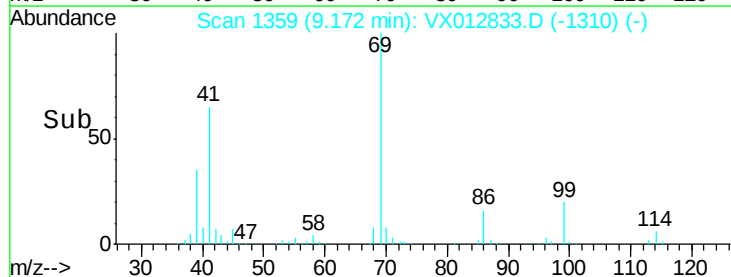
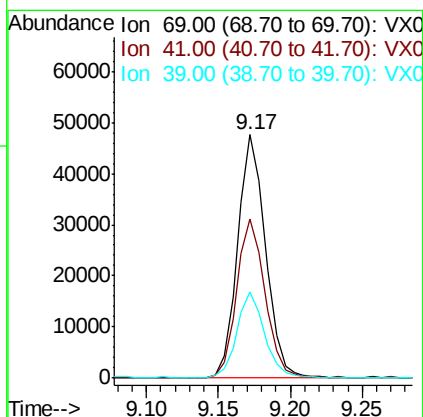
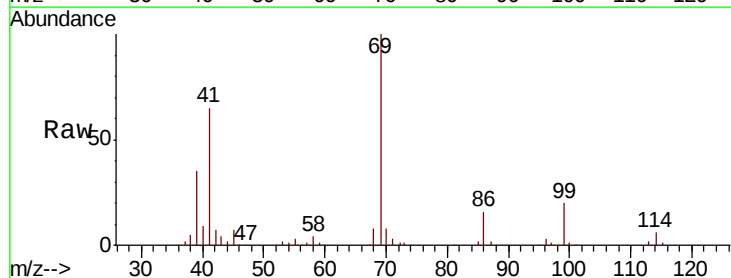
Manual Integrations
 APPROVED

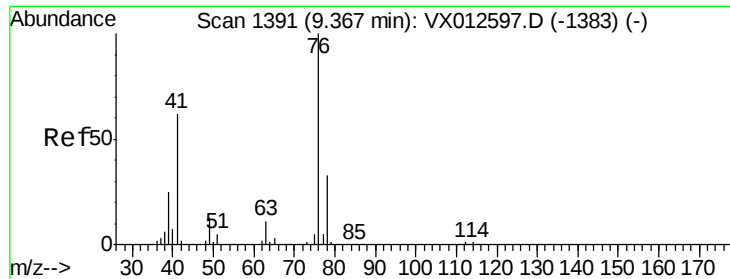
MMDadoda
 10/8/2019 2:06:48 PM



#56
 Ethyl methacrylate
 Concen: 18.501 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Tgt Ion:	69	Resp:	64431
Ion	Ratio	Lower	Upper
69	100		
41	66.5	58.4	87.6
39	35.9	33.4	50.0





#57

1,3-Dichloropropane

Concen: 19.001 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion: 76 Resp: 68935

Ion Ratio Lower Upper

76 100

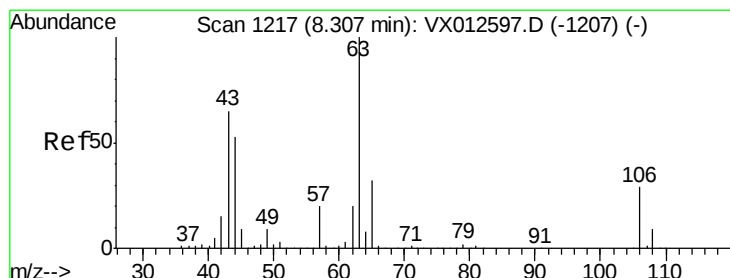
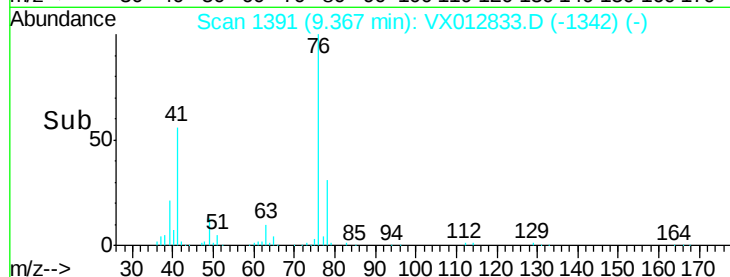
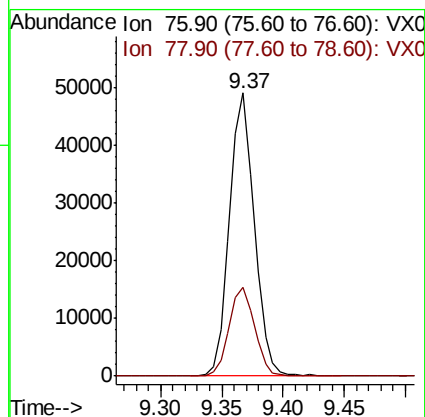
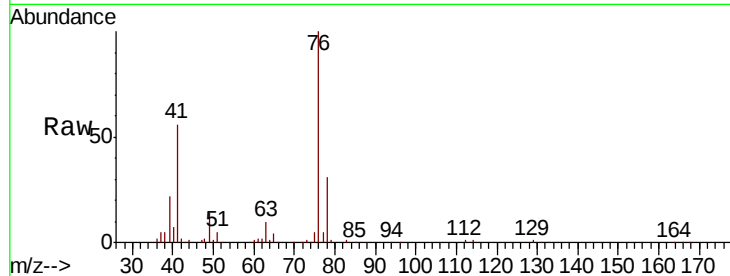
78 32.2 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:06:48 PM



#58

2-Chloroethyl Vinyl ether

Concen: 99.138 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012833.D

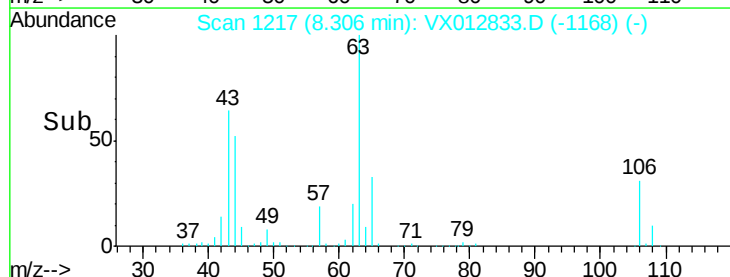
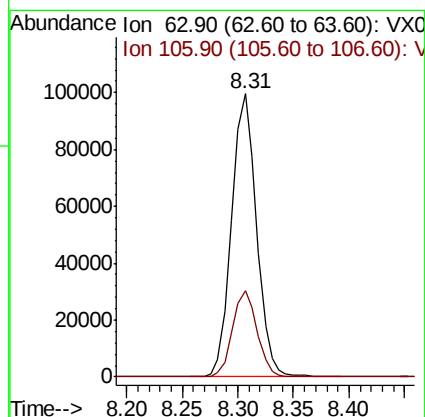
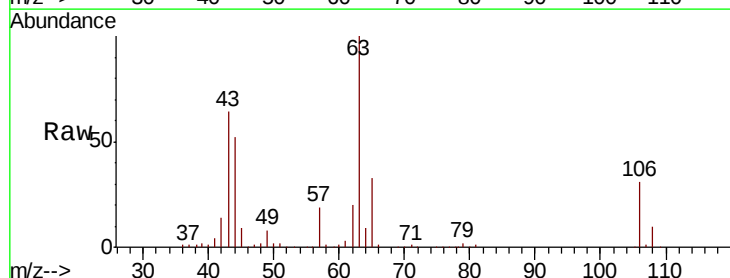
Acq: 07 Oct 2019 13:16

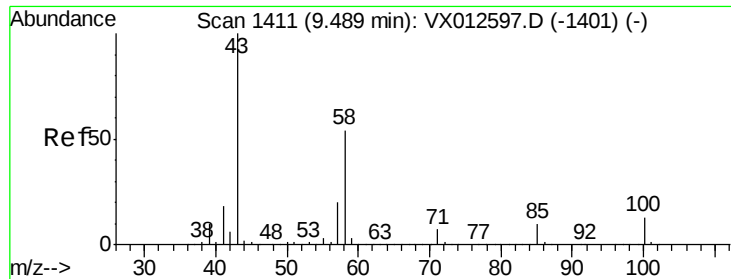
Tgt Ion: 63 Resp: 154973

Ion Ratio Lower Upper

63 100

106 30.1 23.8 35.6





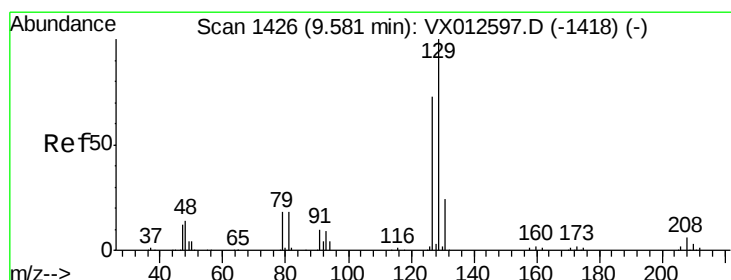
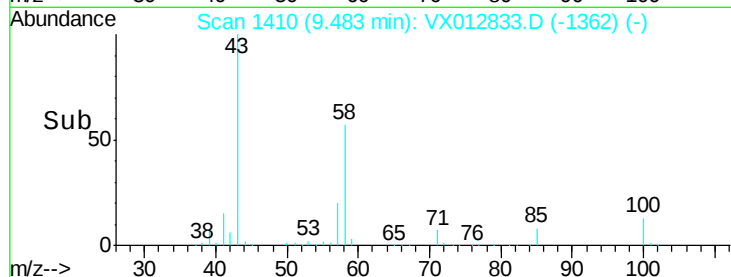
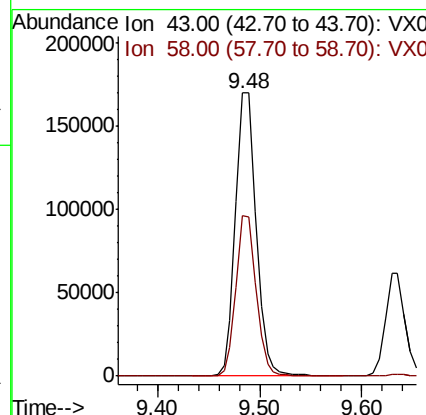
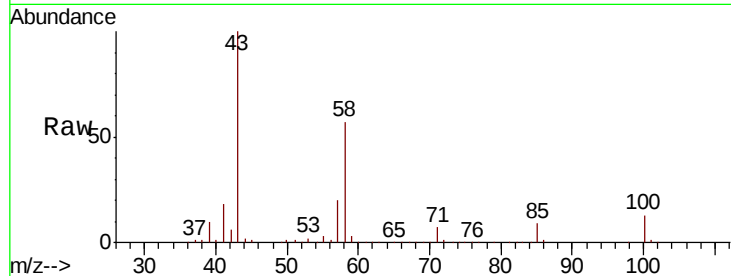
#59
2-Hexanone
Concen: 92.196 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion: 43 Resp: 240131
Ion Ratio Lower Upper
43 100
58 55.3 25.7 77.1

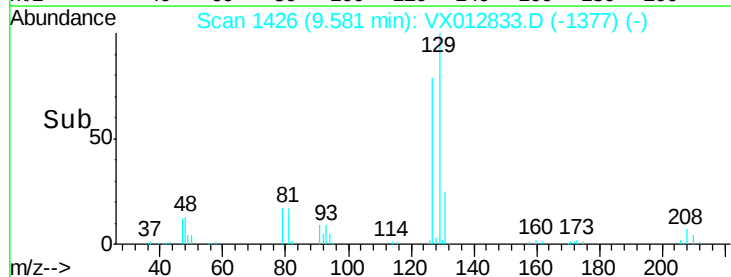
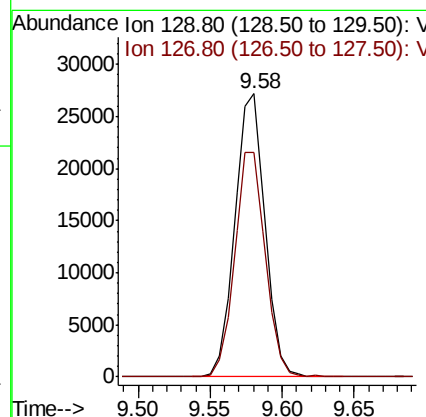
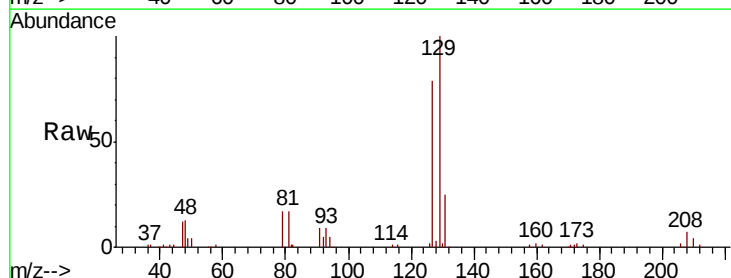
Manual Integrations
APPROVED

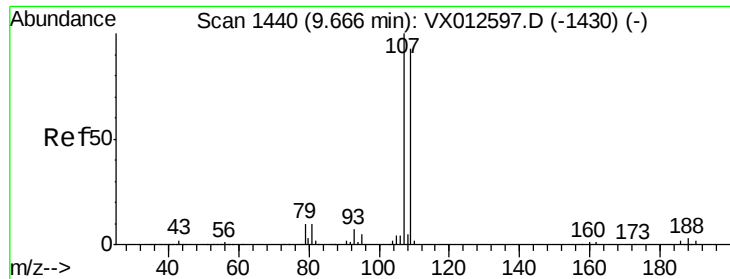
MMDadoda
10/8/2019 2:06:48 PM



#60
Dibromochloromethane
Concen: 18.942 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion: 129 Resp: 39748
Ion Ratio Lower Upper
129 100
127 80.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.183 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion:107 Resp: 41385

Ion Ratio Lower Upper

107 100

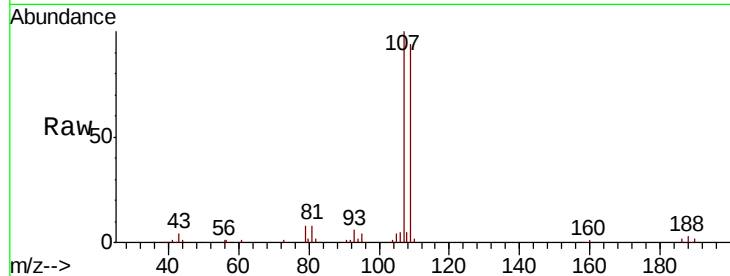
109 95.5 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:06:48 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

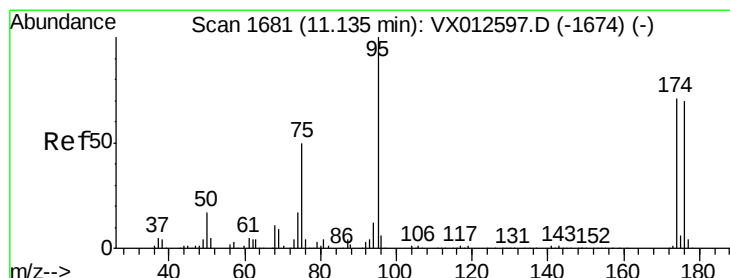
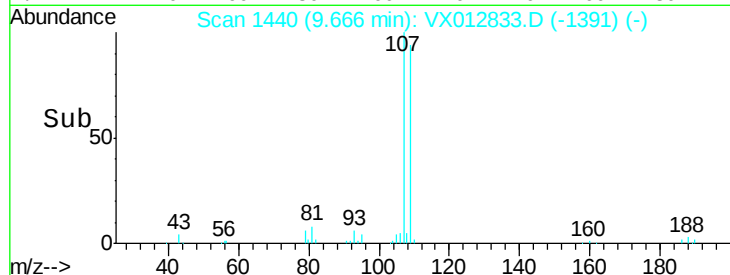
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.558 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

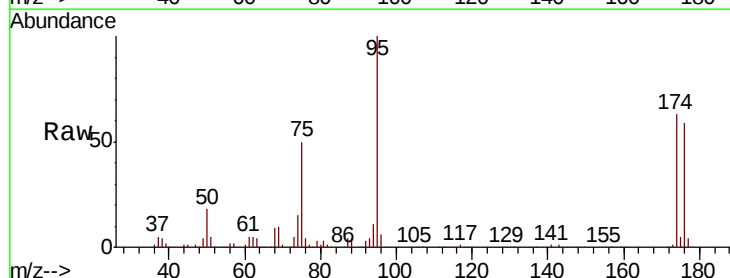
Tgt Ion: 95 Resp: 125451

Ion Ratio Lower Upper

95 100

174 71.7 0.0 140.0

176 69.2 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

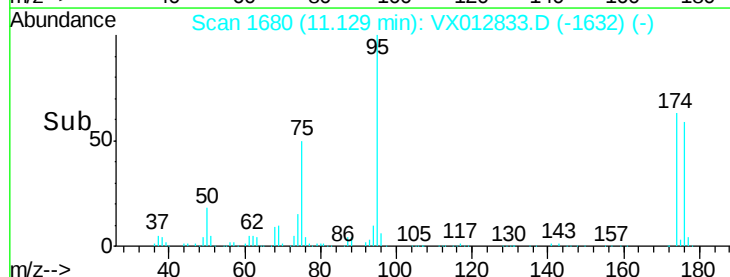
60000

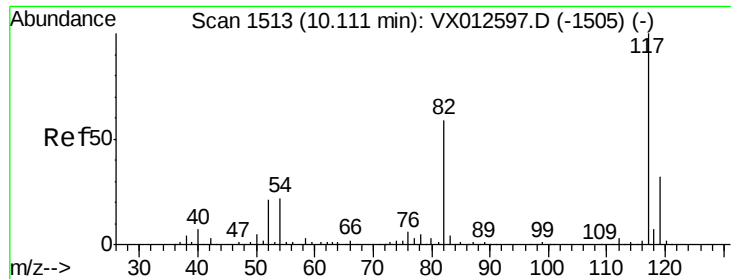
40000

20000

0

Time-->





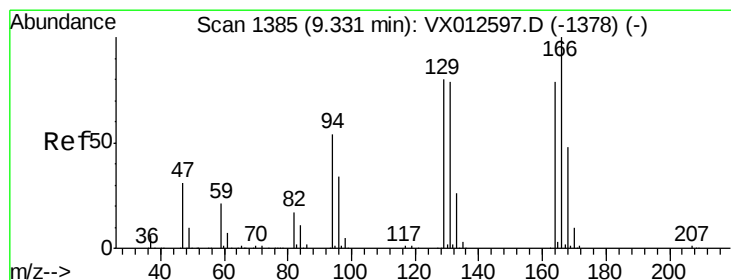
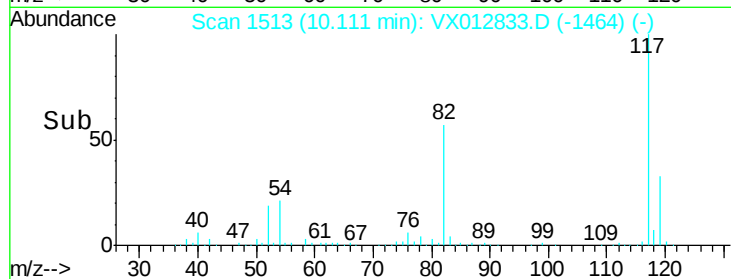
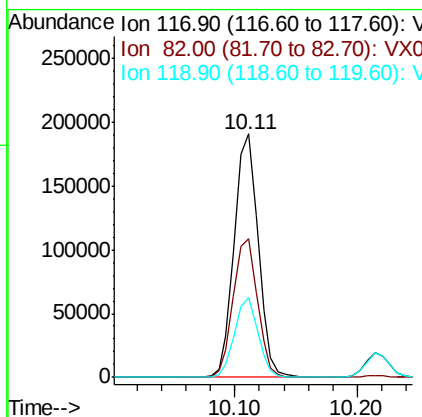
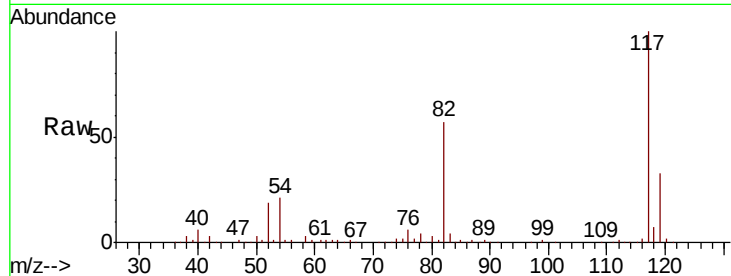
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.9	68.9
119	32.7	25.3	37.9

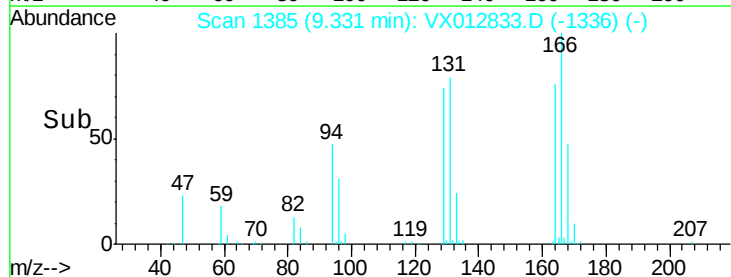
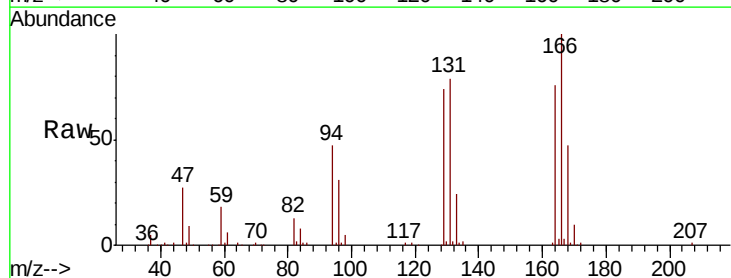
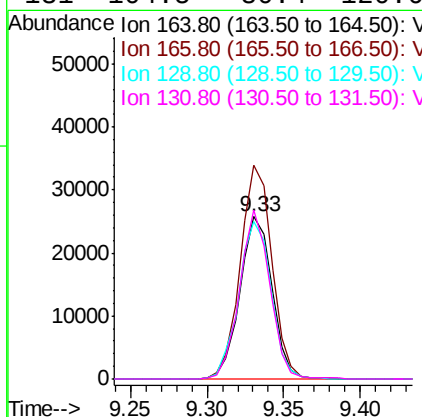
Manual Integrations
APPROVED

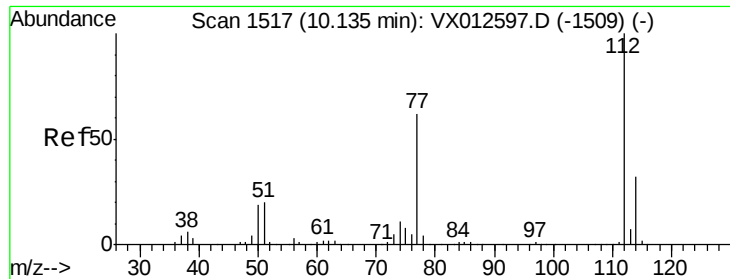
MMDadoda
10/8/2019 2:06:48 PM



#64
Tetrachloroethene
Concen: 20.748 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	107.8	161.6
129	97.1	86.2	129.2
131	104.5	80.4	120.6





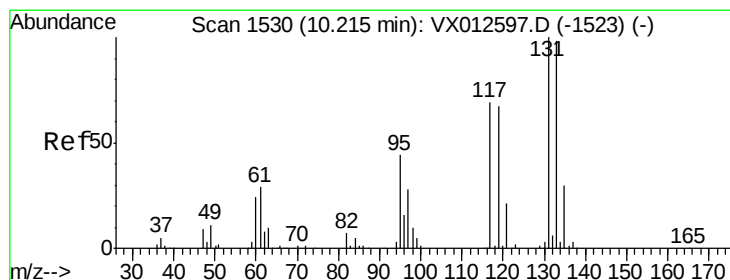
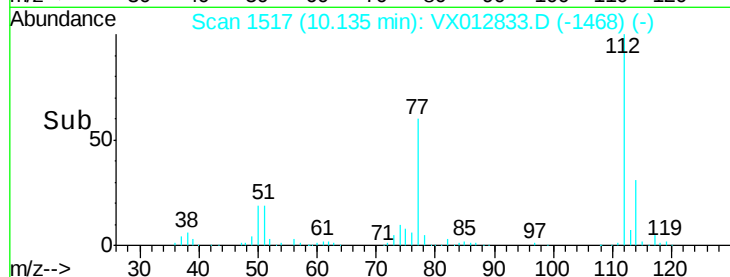
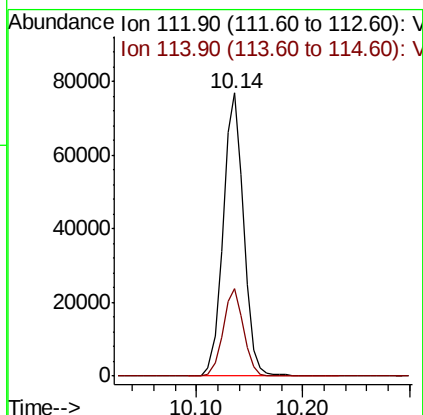
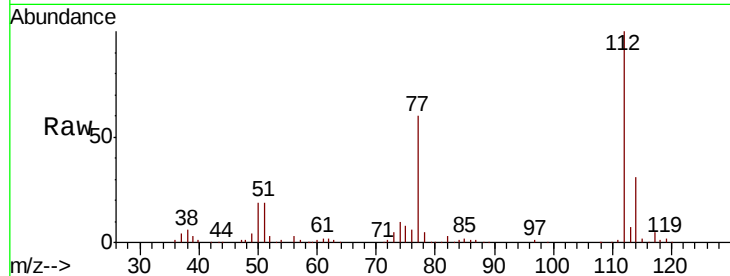
#65
Chlorobenzene
Concen: 18.941 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion:112 Resp: 103284
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.0

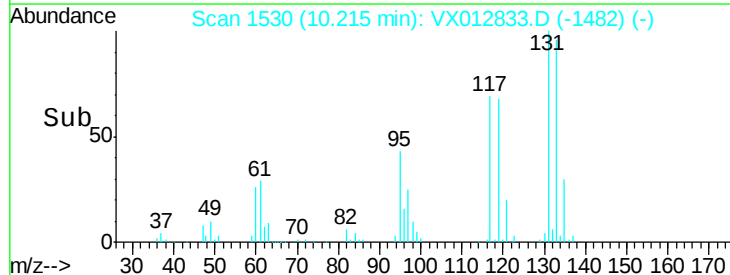
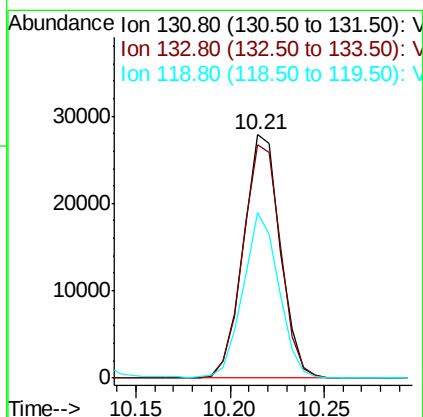
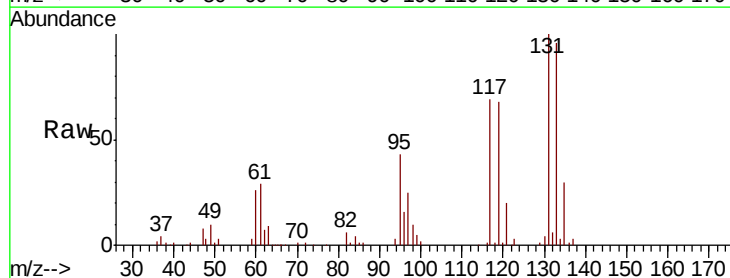
Manual Integrations
APPROVED

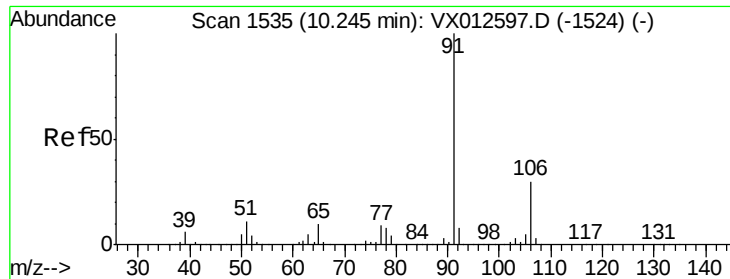
MMDadoda
10/8/2019 2:06:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.145 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion:131 Resp: 37825
Ion Ratio Lower Upper
131 100
133 98.0 47.6 142.9
119 65.9 31.3 93.8





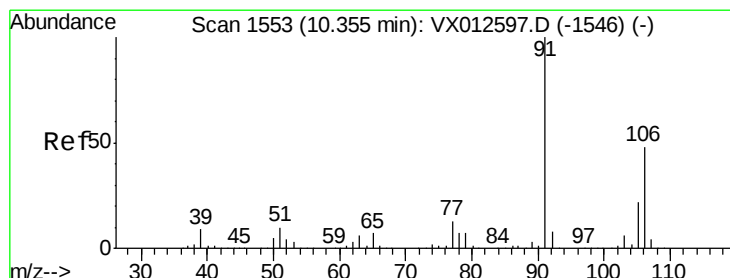
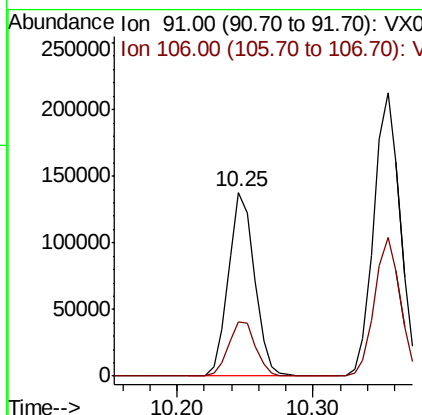
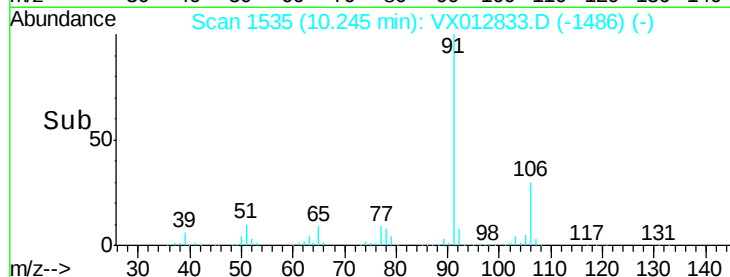
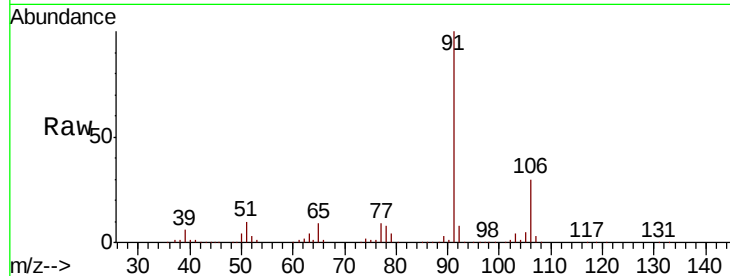
#67
Ethyl Benzene
Concen: 18.681 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion: 91 Resp: 184761
Ion Ratio Lower Upper
91 100
106 29.7 24.6 37.0

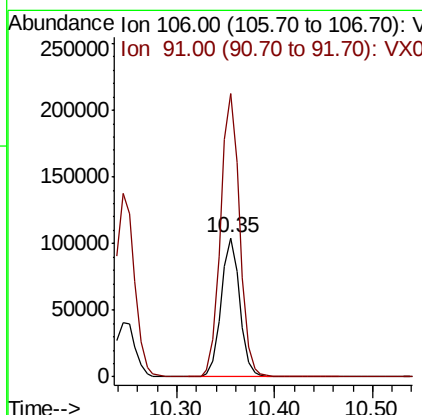
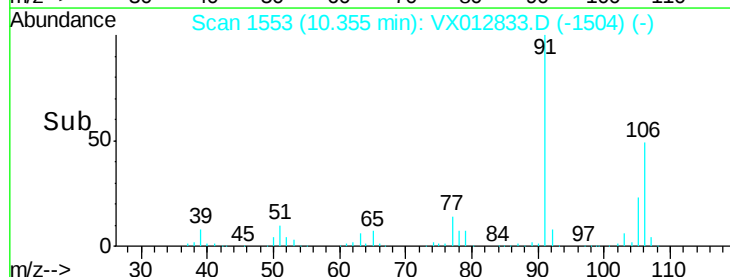
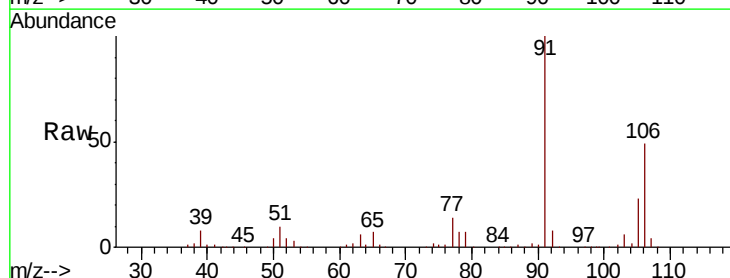
Manual Integrations
APPROVED

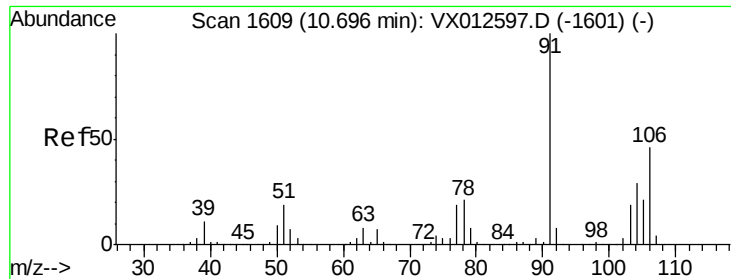
MMDadoda
10/8/2019 2:06:48 PM



#68
m/p-Xylenes
Concen: 37.233 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion: 106 Resp: 137947
Ion Ratio Lower Upper
106 100
91 207.8 166.6 250.0





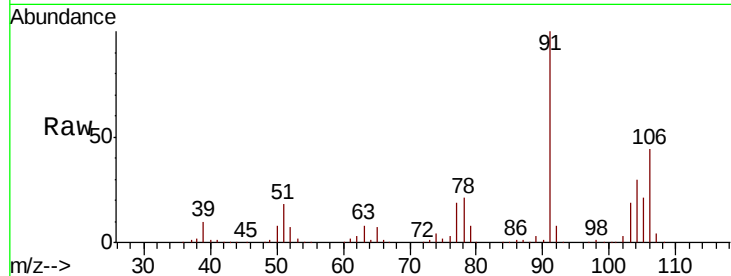
#69
o-Xylene
Concen: 18.812 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

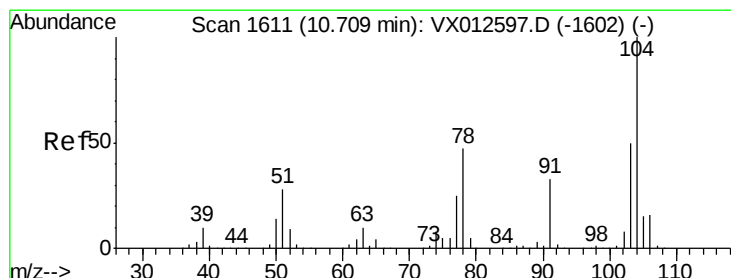
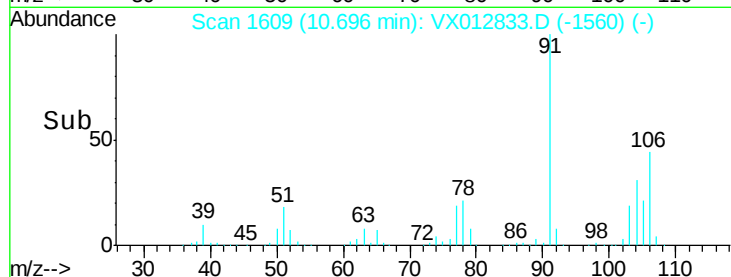
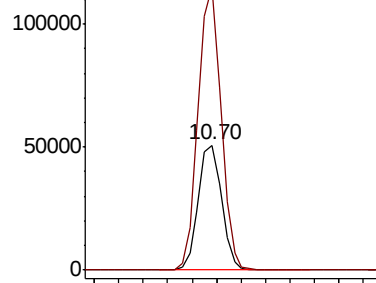
Tot Ion:106 Resp: 67440
Ion Ratio Lower Upper
106 100
91 221.5 109.4 328.2

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM

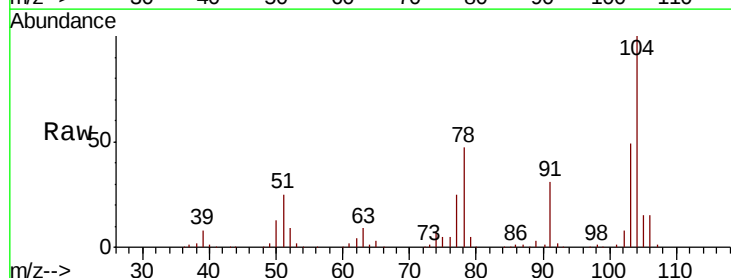


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

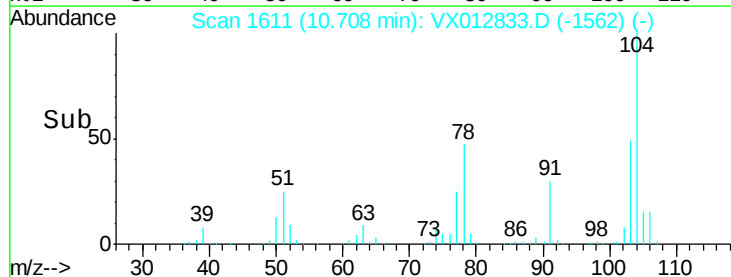
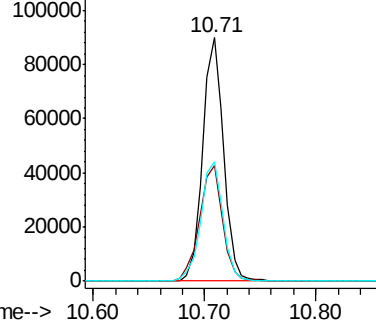


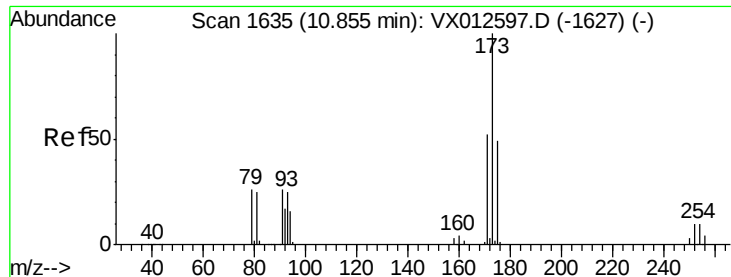
#70
Styrene
Concen: 19.413 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion:104 Resp: 116672
Ion Ratio Lower Upper
104 100
78 52.4 43.4 65.2
103 52.4 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.326 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampled :

VX1007MBS01

Tot Ion:173 Resp: 26588

Ion Ratio Lower Upper

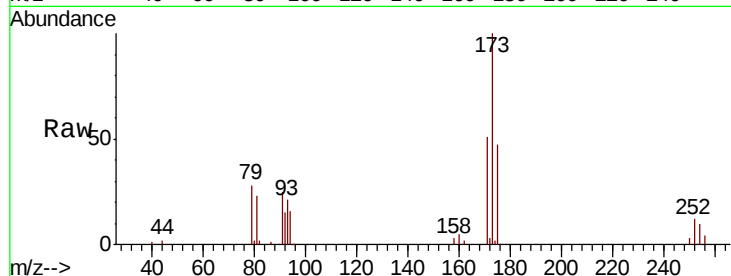
173 100

175 48.3 23.7 71.1

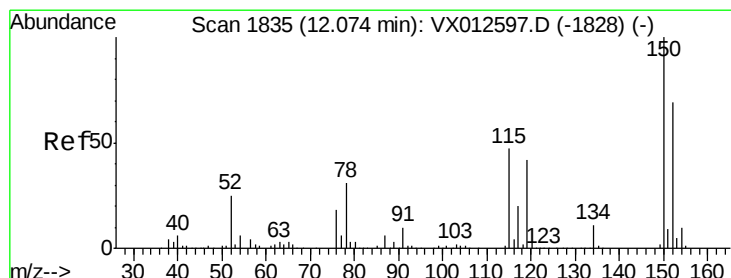
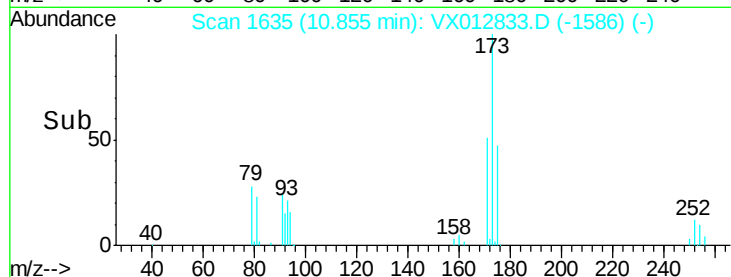
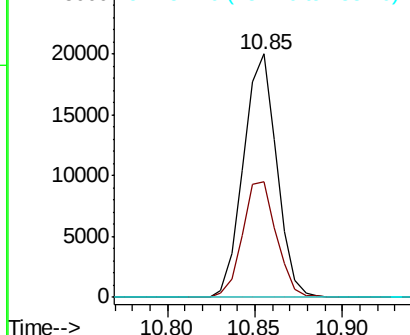
254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

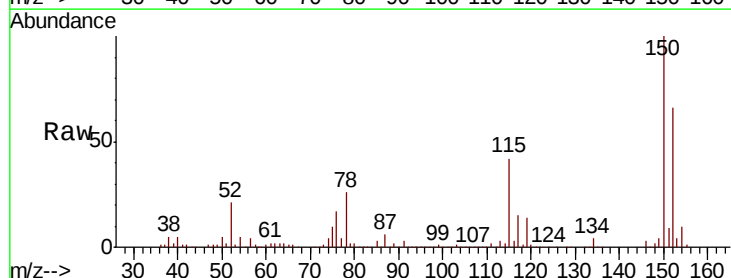
Tgt Ion:152 Resp: 119478

Ion Ratio Lower Upper

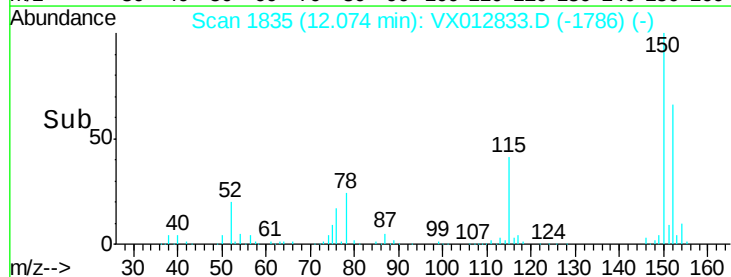
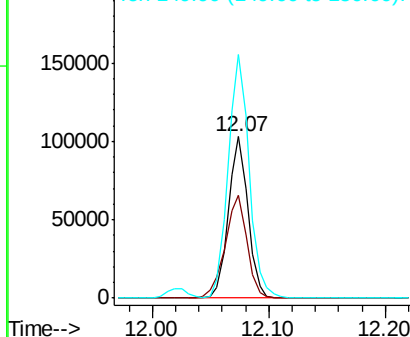
152 100

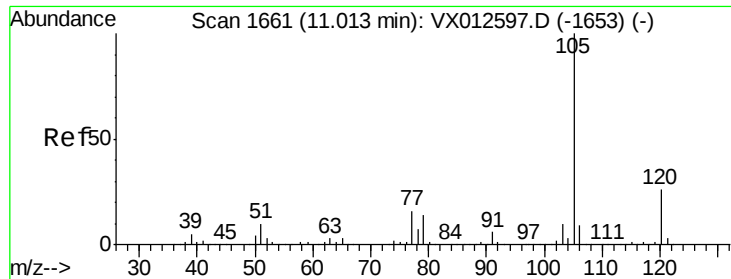
115 71.1 44.1 132.3

150 162.2 0.0 343.8



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: 18.888 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion: 105 Resp: 183799

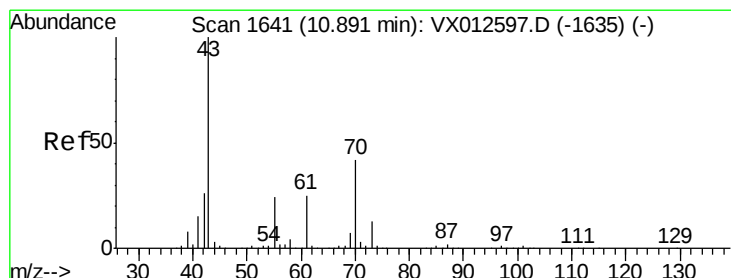
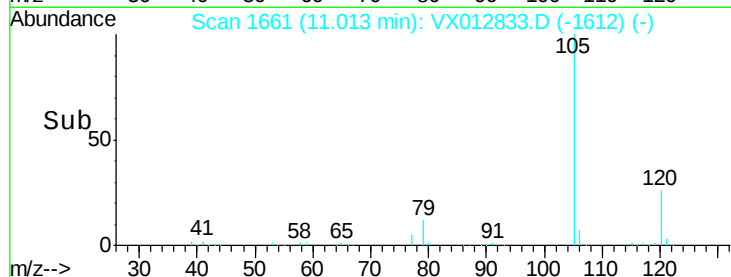
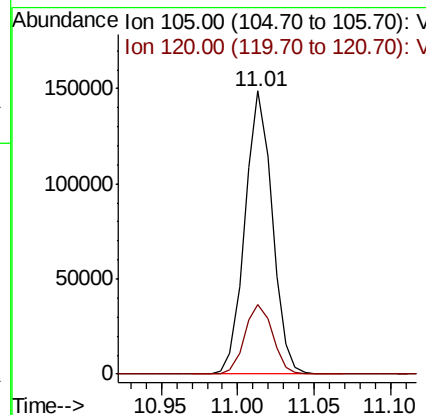
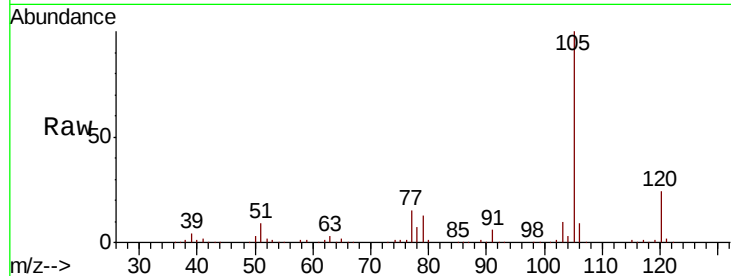
Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM



#74

N-ethyl acetate

Concen: 17.261 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Tgt Ion: 43 Resp: 80134

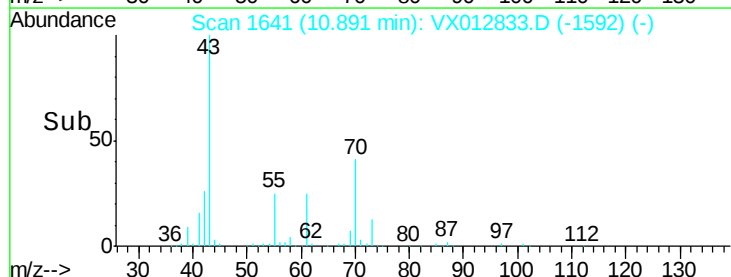
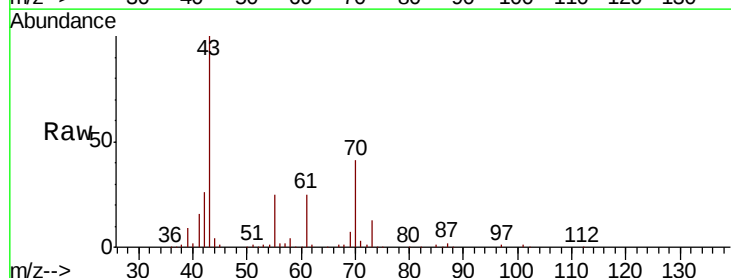
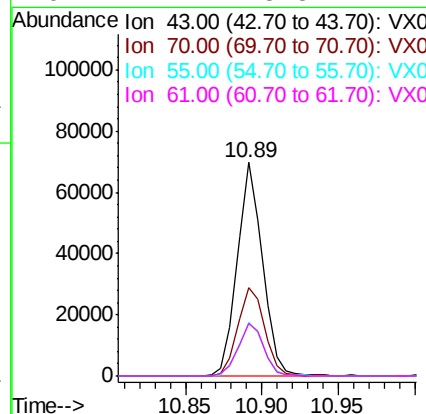
Ion Ratio Lower Upper

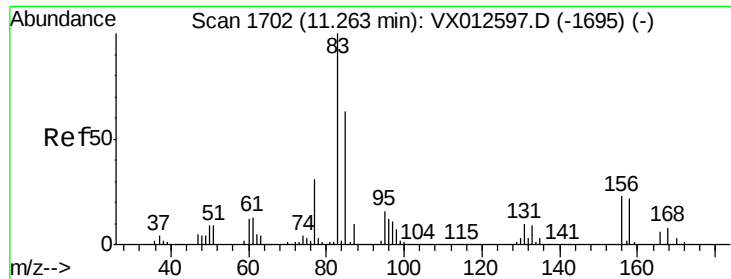
43 100

70 44.2 32.4 48.6

55 25.5 18.2 27.4

61 24.7 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.624 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

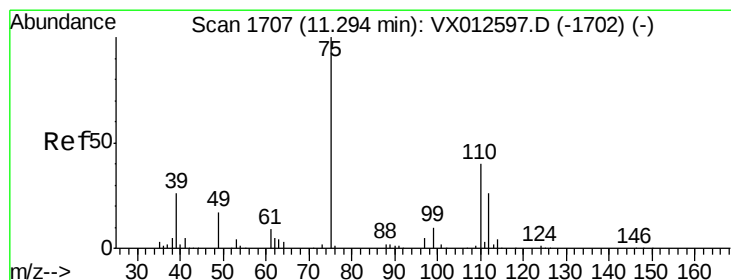
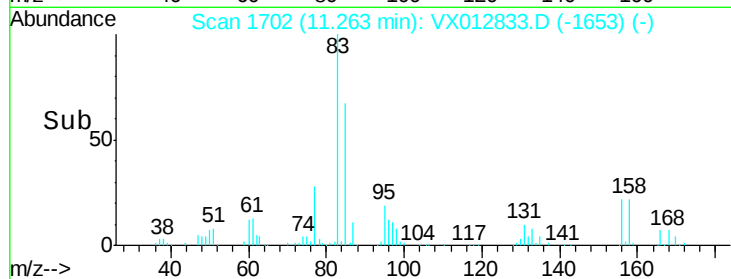
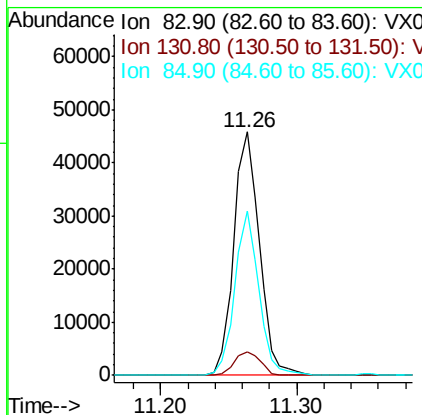
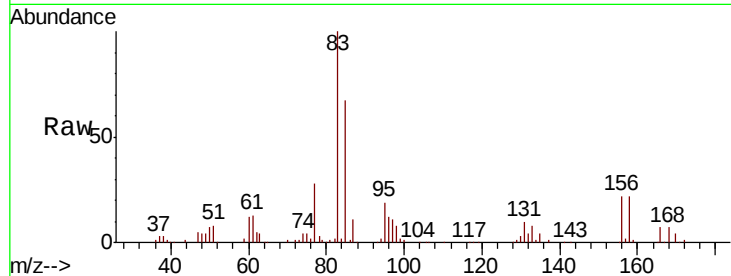
ClientSampleId :

VX1007MBS01

Tot Ion:	83	Resp:	60022
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.2	15.6
85	63.6	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM



#76

1,2,3-Trichloropropane

Concen: 18.461 ug/l m

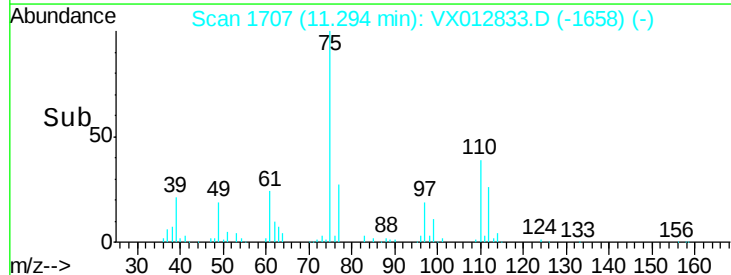
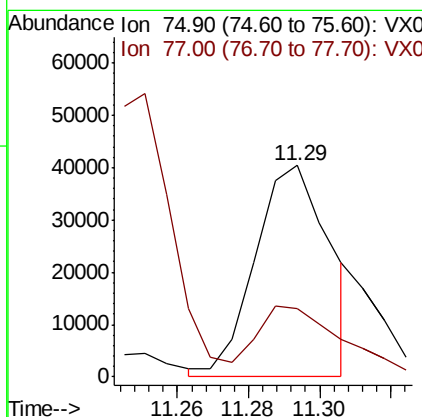
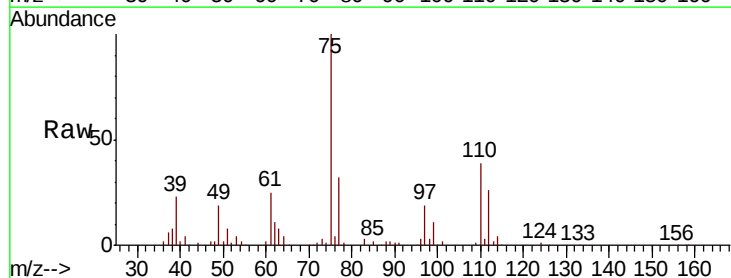
RT: 11.29 min Scan# 1707

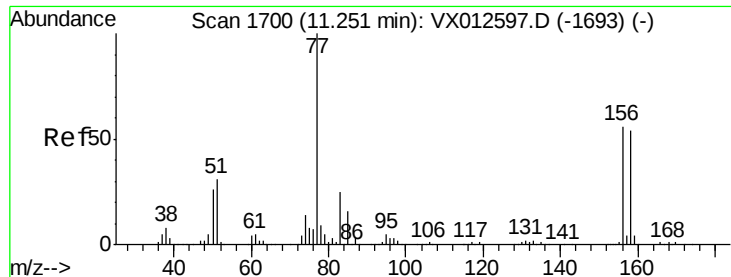
Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Tgt Ion:	75	Resp:	58347
Ion Ratio	Lower	Upper	
75	100		
77	38.5	19.7	59.0





#77

Bromobenzene

Concen: 18.867 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion:156 Resp: 41552

Ion Ratio Lower Upper

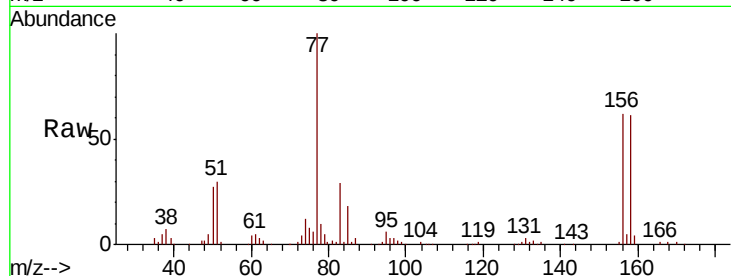
156 100

77 172.5 87.3 261.8

158 97.3 48.5 145.6

Manual Integrations
APPROVED

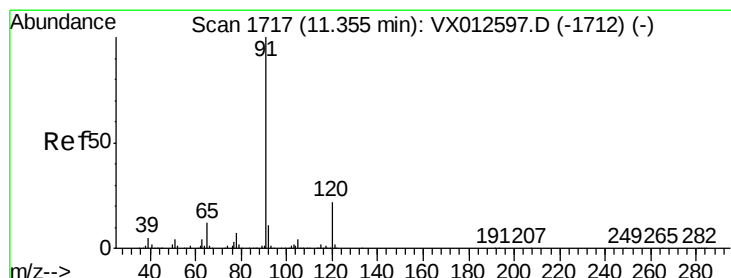
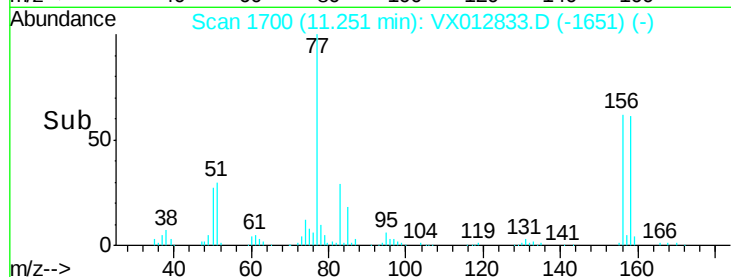
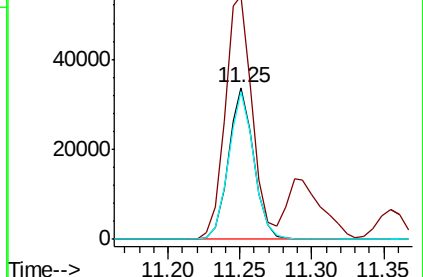
MMDadoda
10/8/2019 2:06:48 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.673 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012833.D

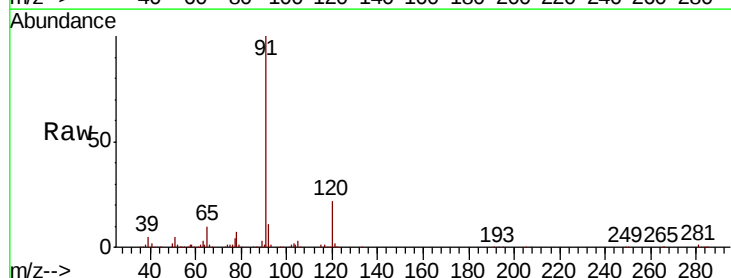
Acq: 07 Oct 2019 13:16

Tgt Ion: 91 Resp: 204568

Ion Ratio Lower Upper

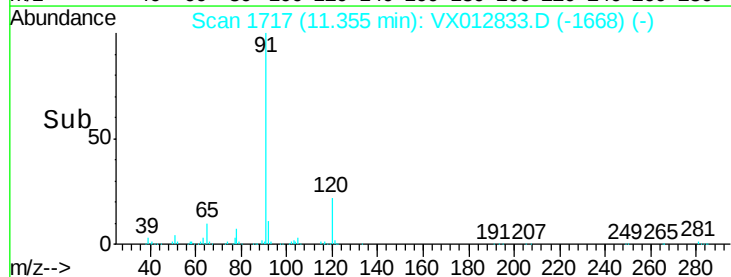
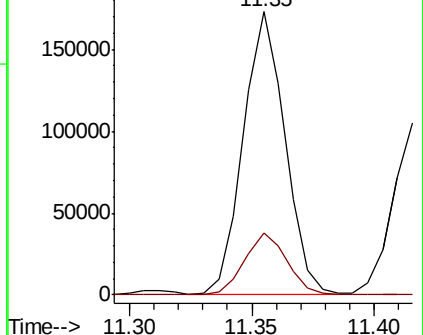
91 100

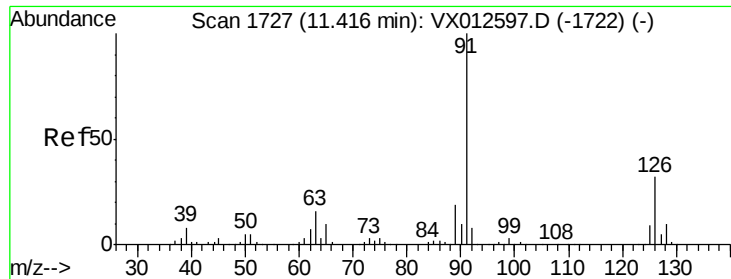
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





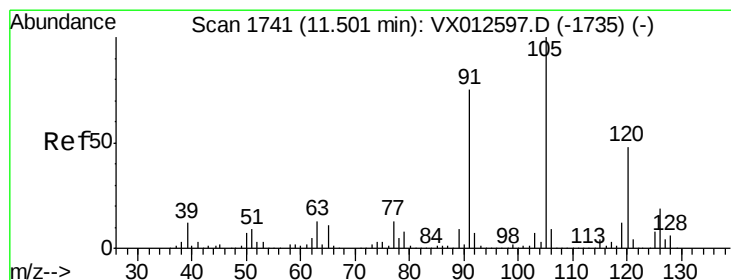
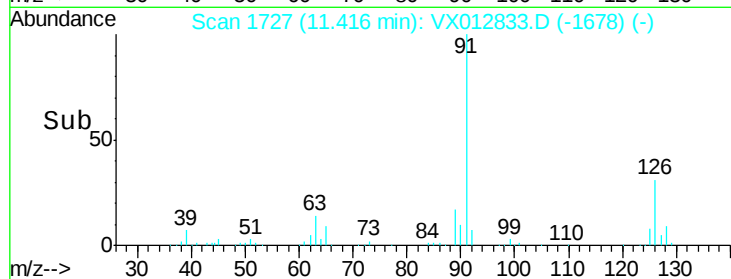
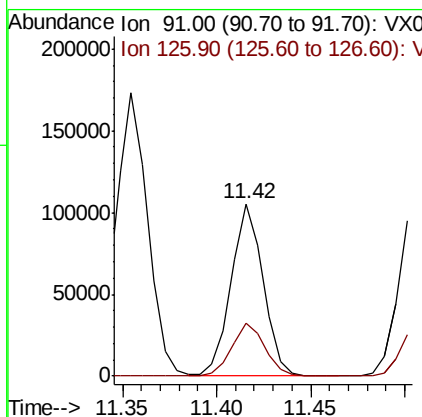
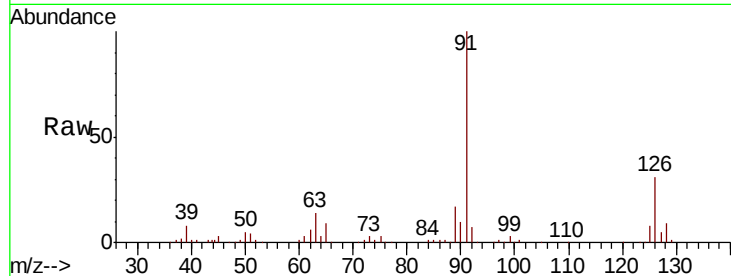
#79
 2-Chlorotoluene
 Concen: 18.114 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007MBS01

Tot Ion: 91 Resp: 123795
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.4 49.4

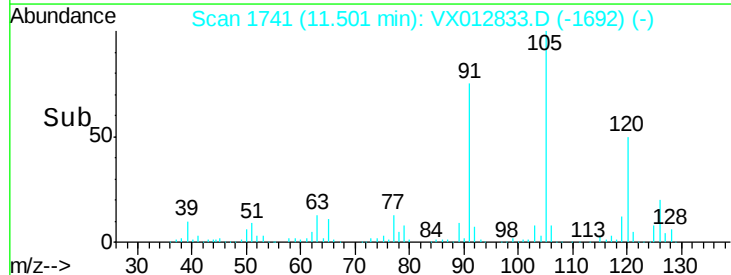
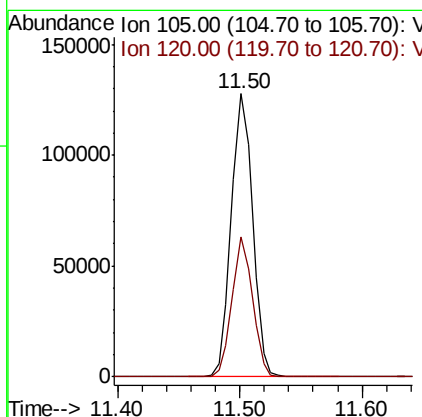
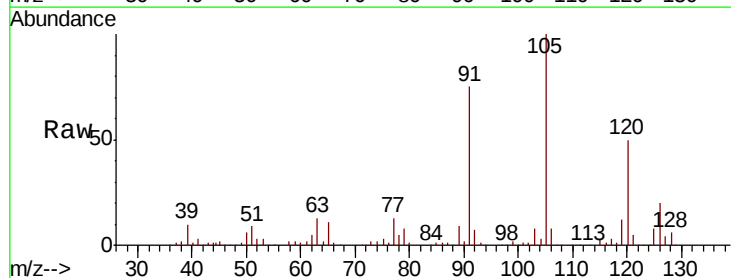
Manual Integrations
 APPROVED

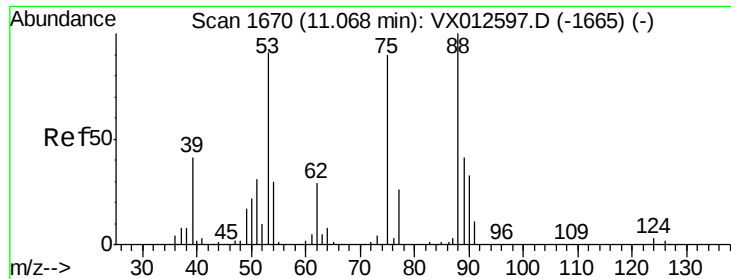
MMDadoda
 10/8/2019 2:06:48 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.806 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Tgt Ion: 105 Resp: 153463
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.250 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion: 75 Resp: 17921

Ion Ratio Lower Upper

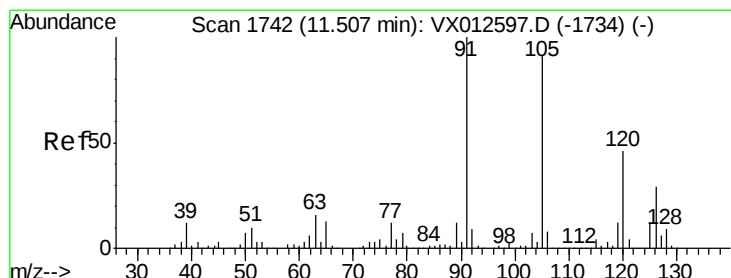
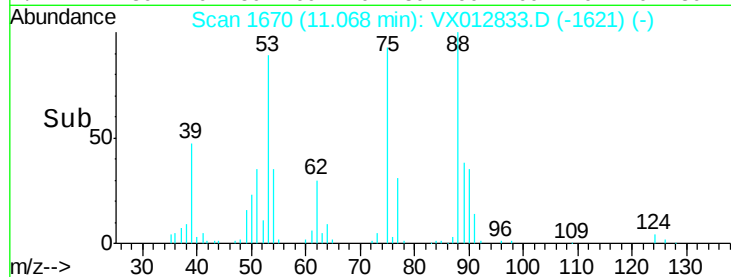
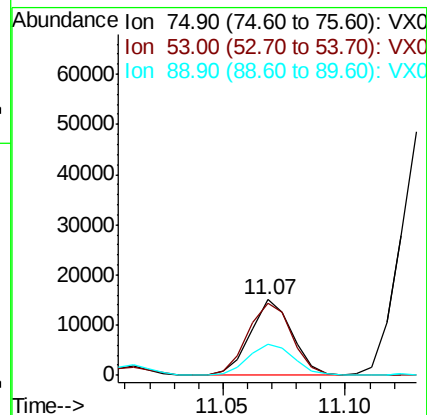
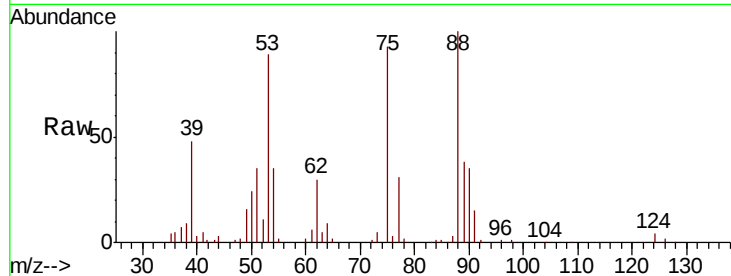
75 100

53 103.3 83.6 125.4

89 45.9 36.3 54.5

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM



#82

4-Chlorotoluene

Concen: 18.281 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012833.D

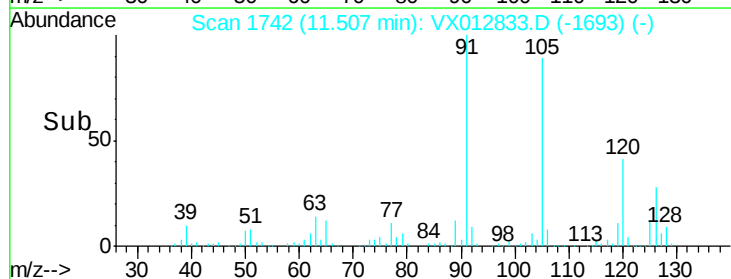
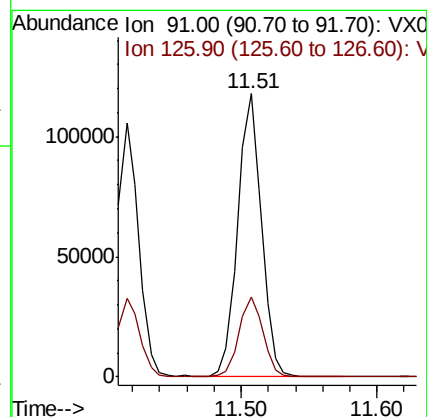
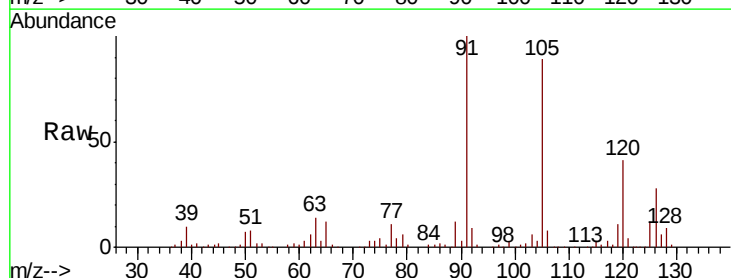
Acq: 07 Oct 2019 13:16

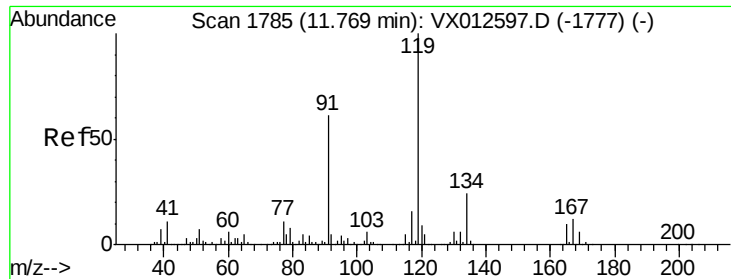
Tgt Ion: 91 Resp: 142423

Ion Ratio Lower Upper

91 100

126 28.8 14.4 43.0





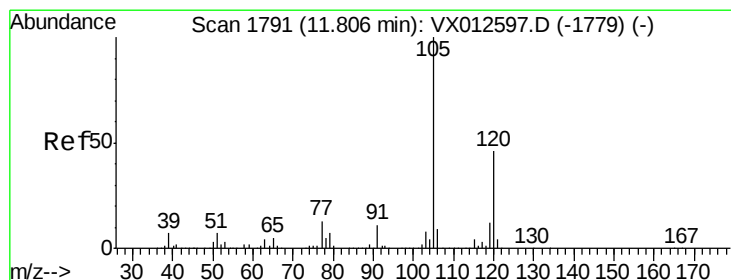
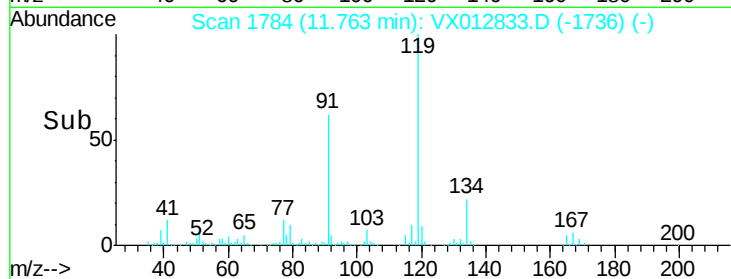
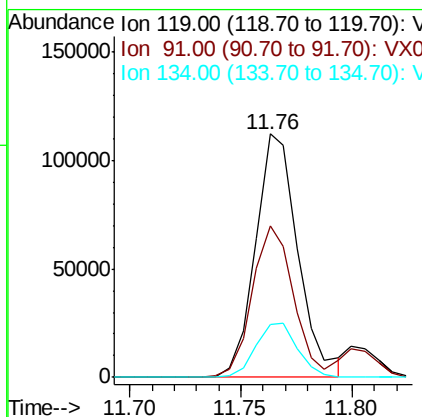
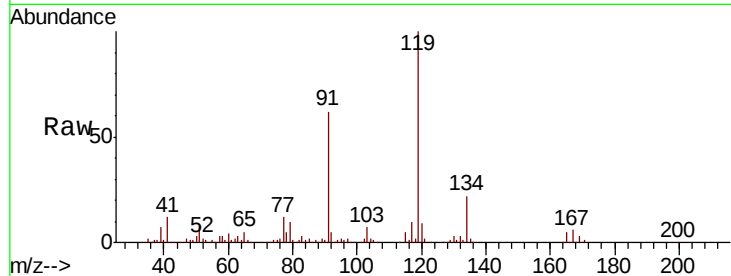
#83
tert-Butylbenzene
Concen: 18.968 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	149314		
91	60.1	30.0	90.0	
134	22.2	11.3	33.9	

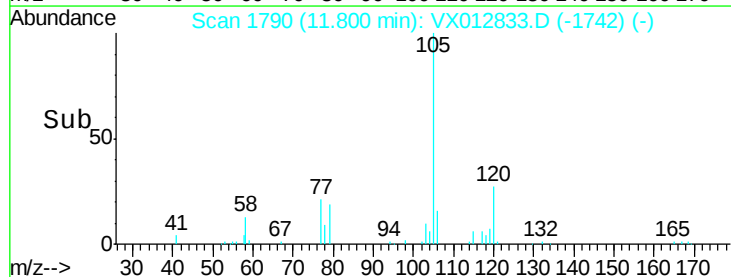
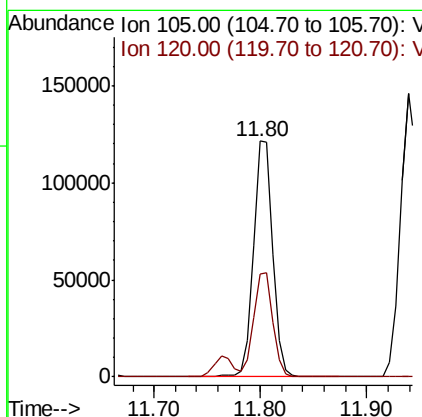
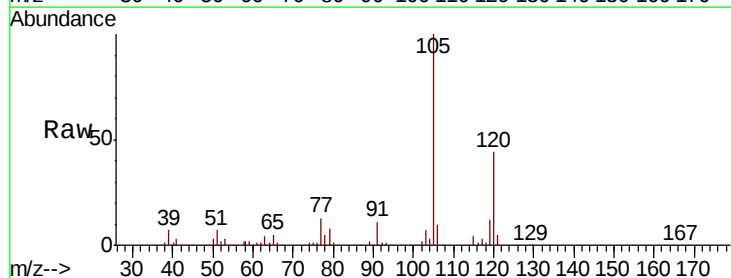
Manual Integrations
APPROVED

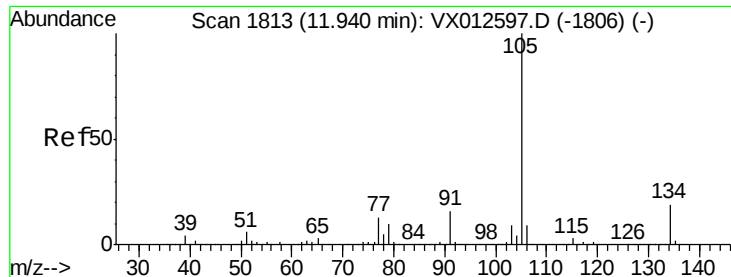
MMDadoda
10/8/2019 2:06:48 PM



#84
1,2,4-Trimethylbenzene
Concen: 18.714 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	154051		
120	43.9	22.2	66.6	





#85

sec-Butylbenzene

Concen: 19.065 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1007MBS01

Tot Ion:105 Resp: 174555

Ion Ratio Lower Upper

105 100

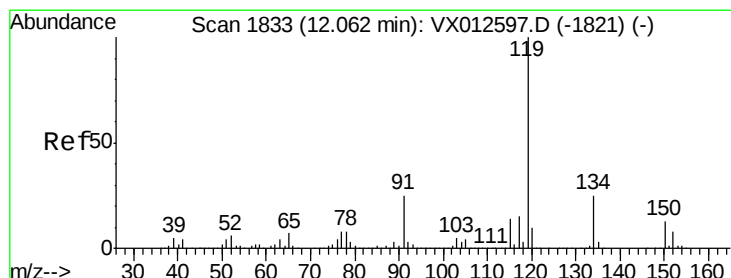
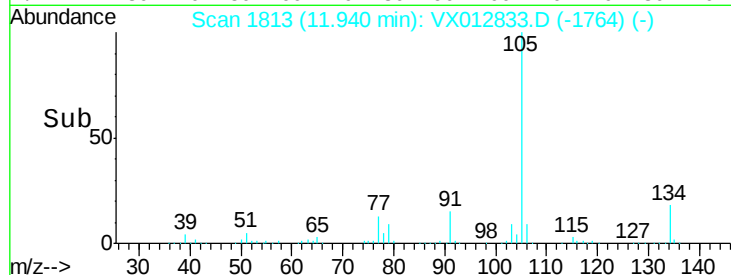
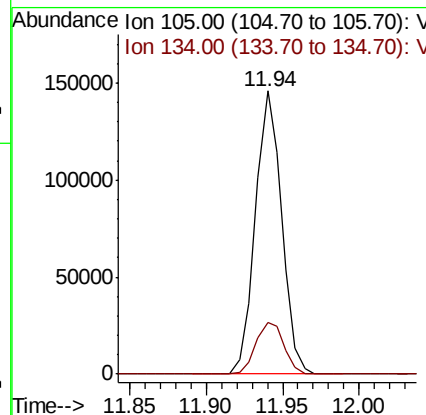
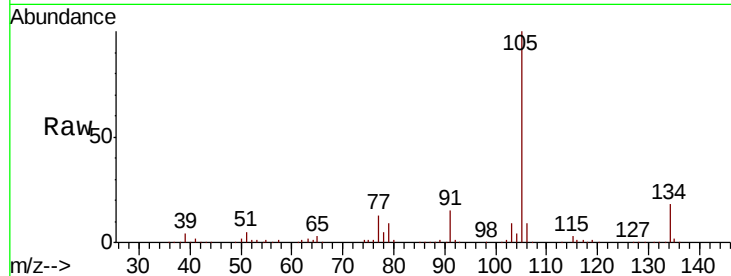
134 19.6 9.8 29.4

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:06:48 PM



#86

p-Isopropyltoluene

Concen: 18.823 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

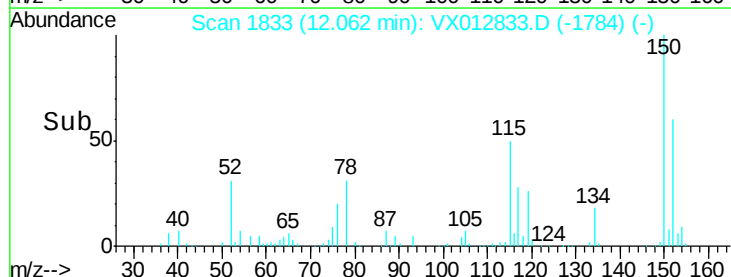
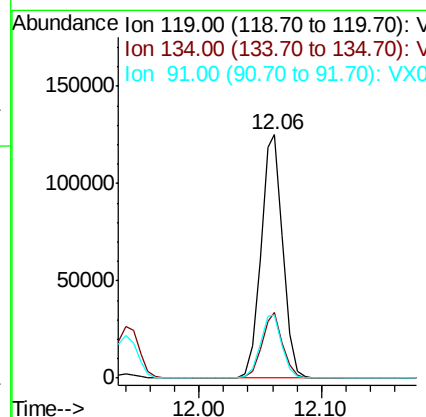
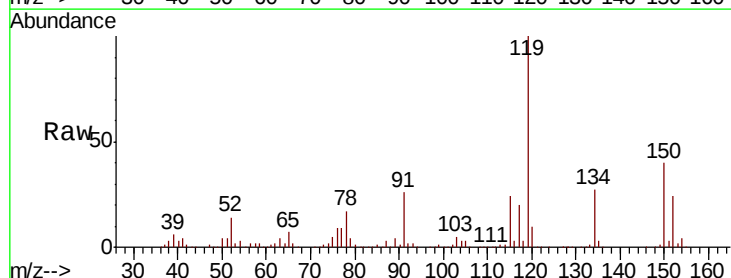
Tgt Ion:119 Resp: 155500

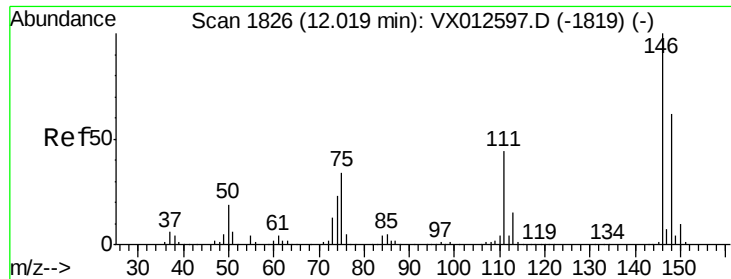
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 25.9 12.8 38.4





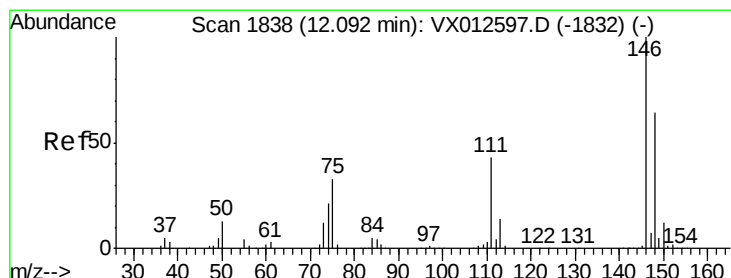
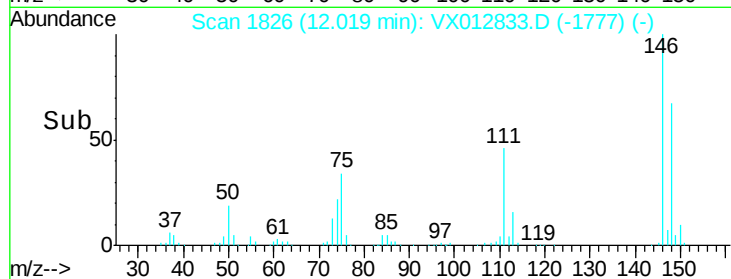
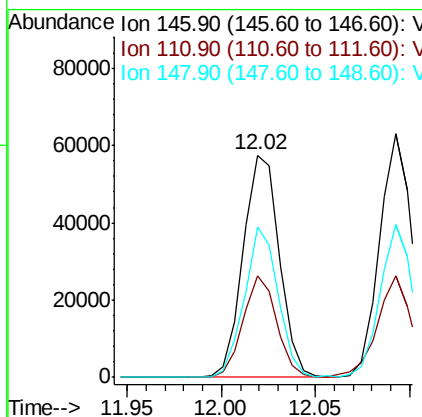
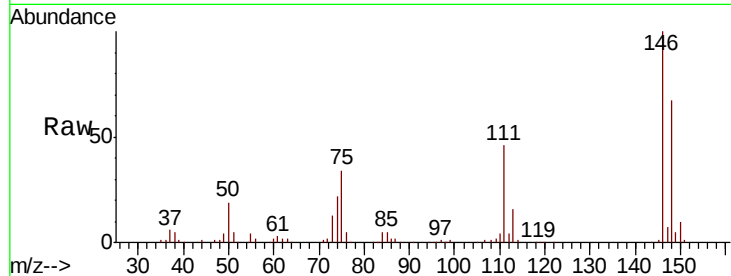
#87
 1,3-Dichlorobenzene
 Concen: 19.400 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	64.0
148	62.8	32.4	97.2

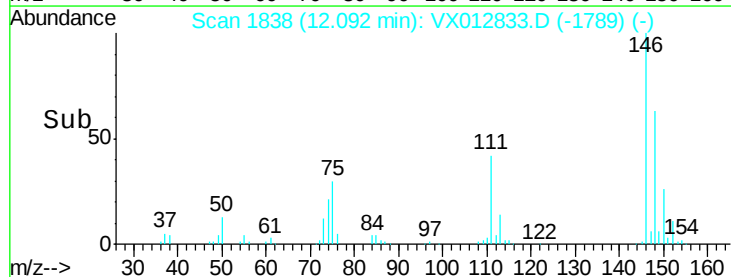
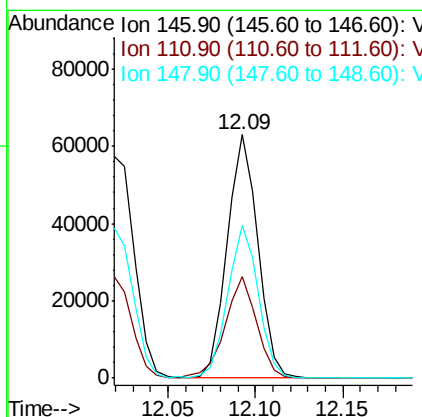
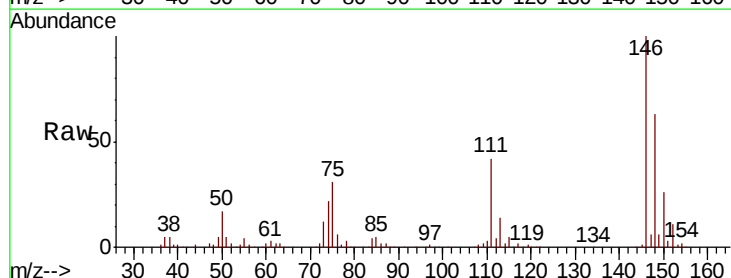
Manual Integrations
 APPROVED

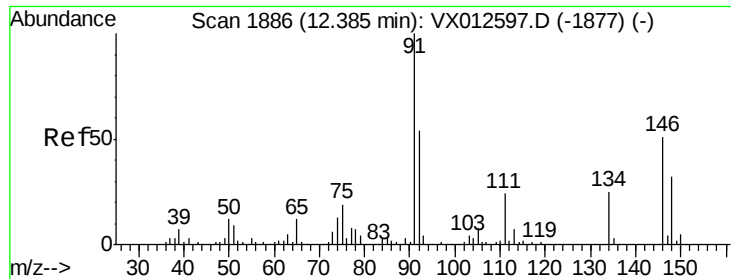
MMDadoda
 10/8/2019 2:06:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.208 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.3
148	62.5	32.1	96.5





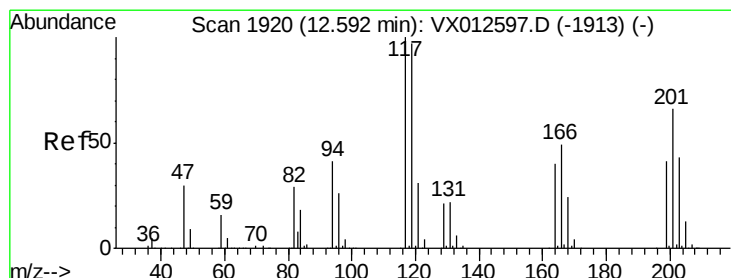
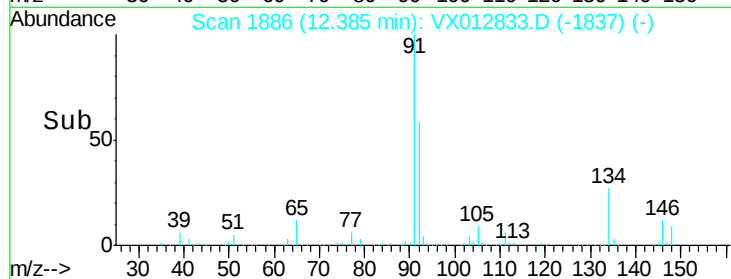
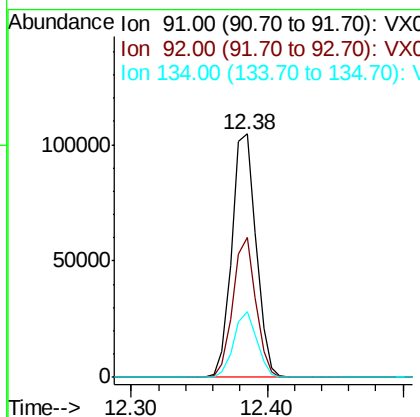
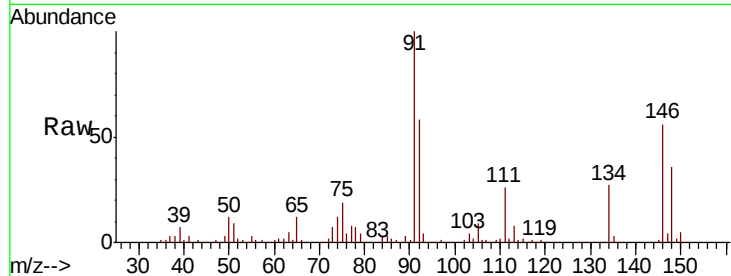
#89
n-Butylbenzene
Concen: 17.895 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1007MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.7	83.0
134	25.7	12.9	38.6

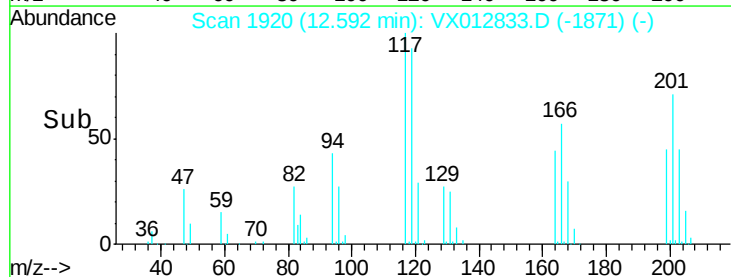
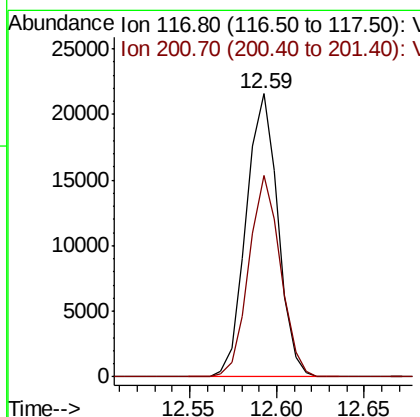
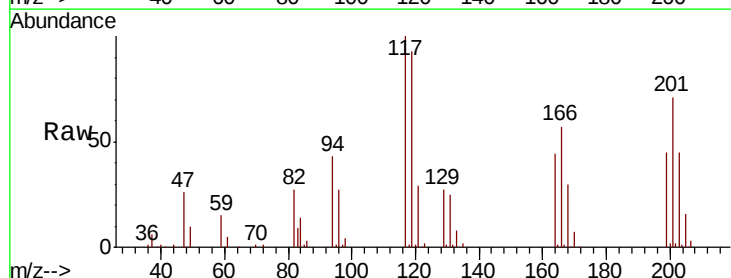
Manual Integrations
APPROVED

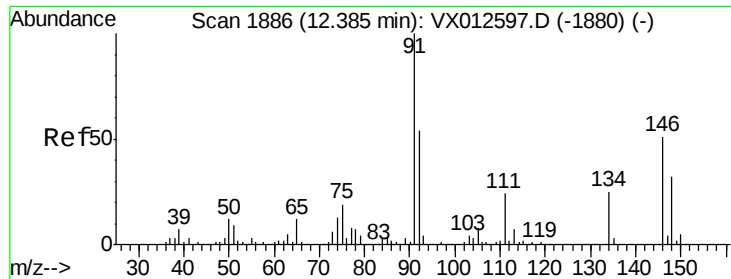
MMDadoda
10/8/2019 2:06:48 PM



#90
Hexachloroethane
Concen: 18.534 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012833.D
Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	33.3	99.8





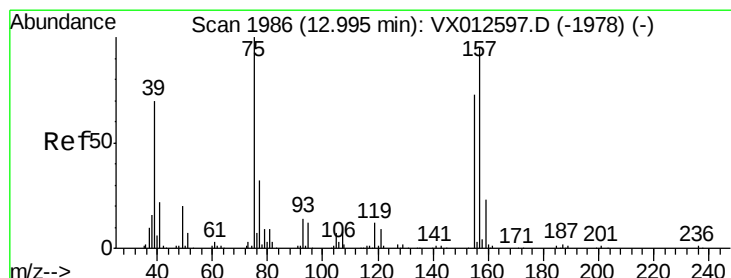
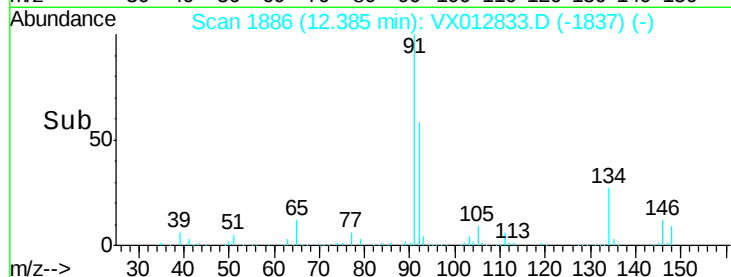
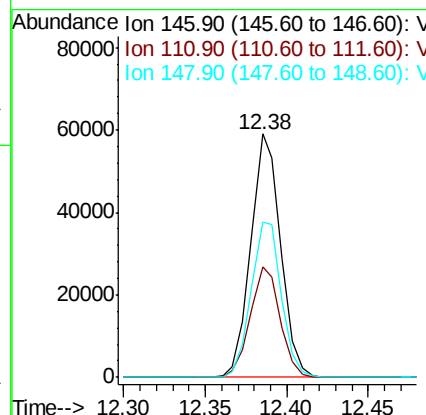
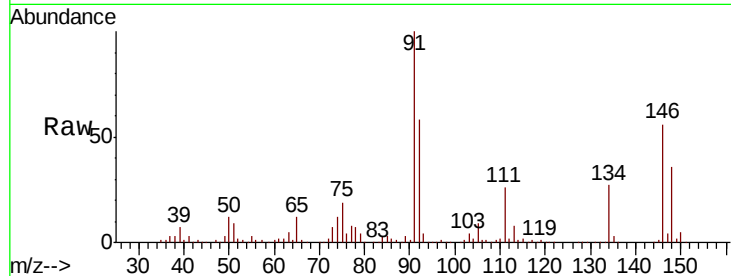
#91
 1,2-Dichlorobenzene
 Concen: 18.992 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.1	66.1
148	64.8	31.3	93.9

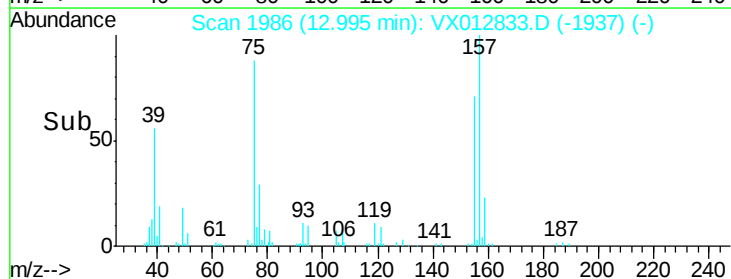
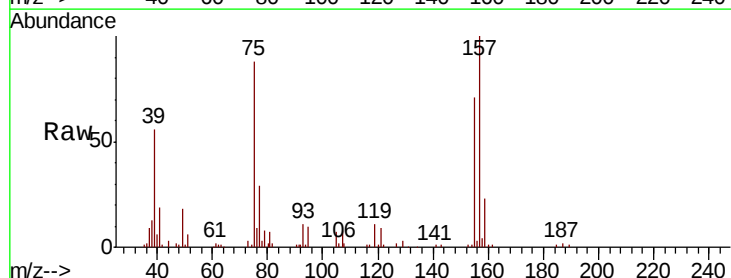
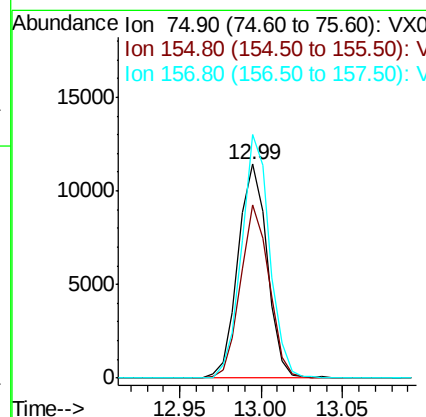
Manual Integrations
 APPROVED

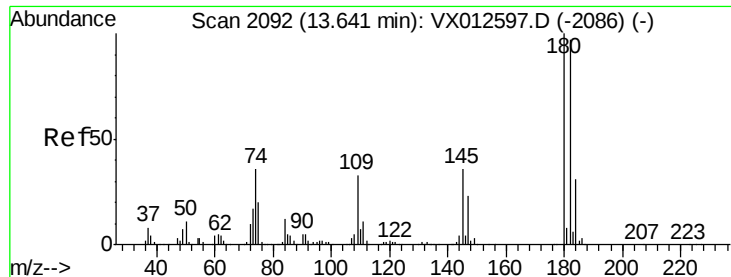
MMDadoda
 10/8/2019 2:06:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.626 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	38.6	115.8
157	109.7	50.6	151.9





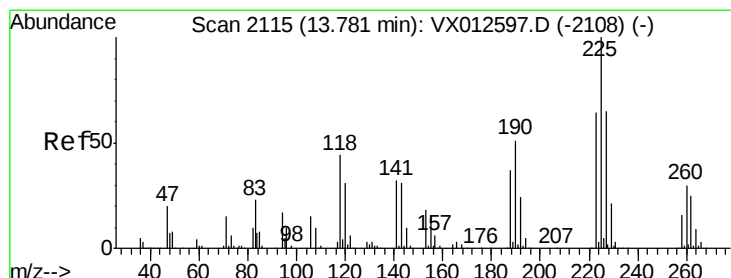
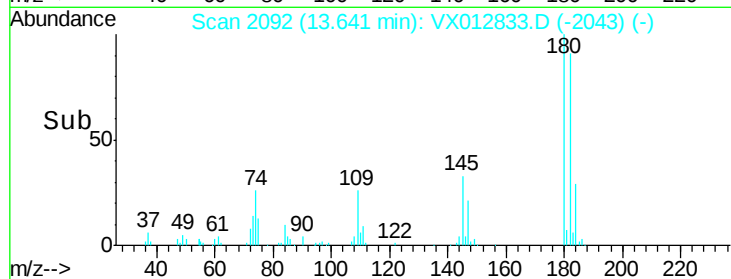
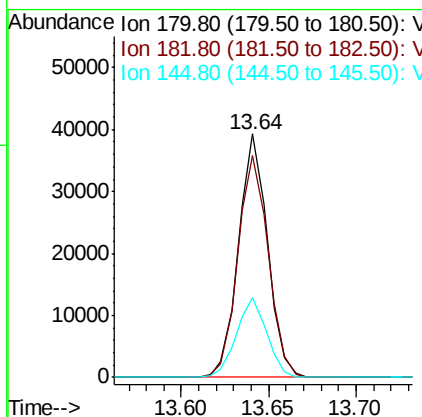
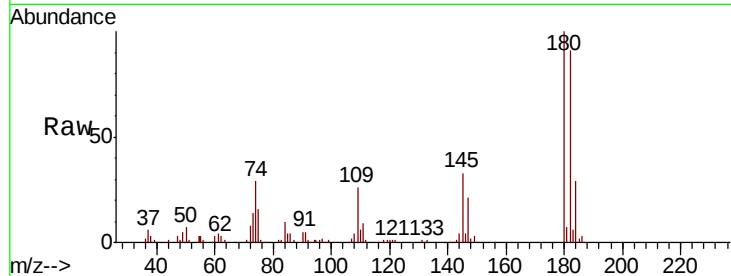
#93
 1,2,4-Trichlorobenzene
 Concen: 18.766 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	34.3	16.8	50.4

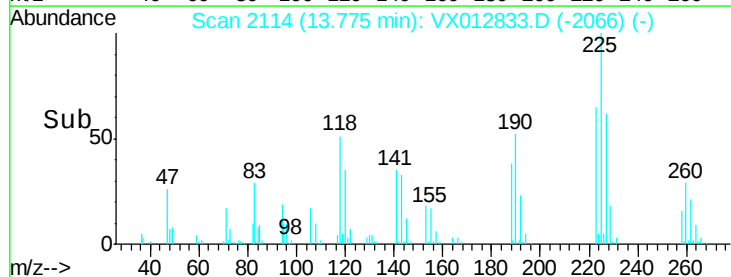
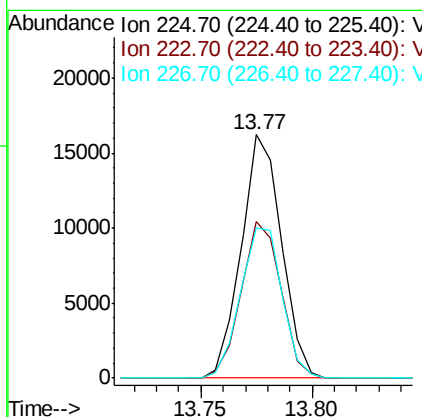
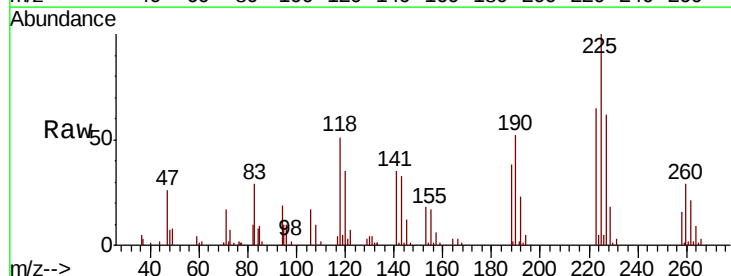
Manual Integrations
 APPROVED

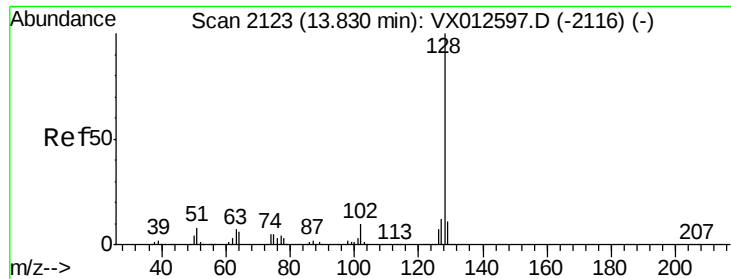
MMDadoda
 10/8/2019 2:06:48 PM



#94
 Hexachlorobutadiene
 Concen: 19.670 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012833.D
 Acq: 07 Oct 2019 13:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.0	96.2
227	64.0	31.9	95.5





#95

Naphthalene

Concen: 19.475 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Instrument :

MSVOA_X

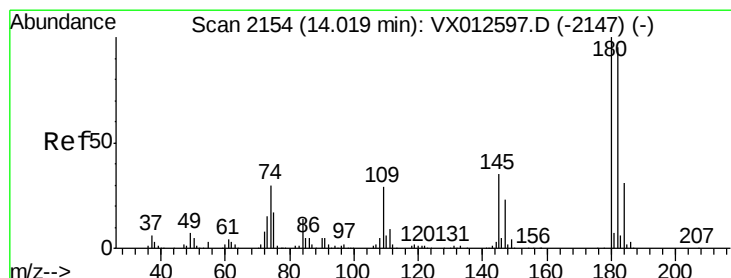
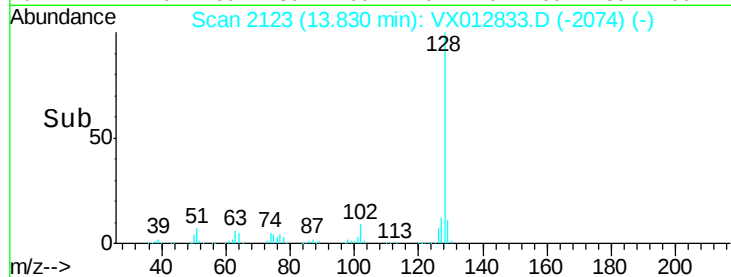
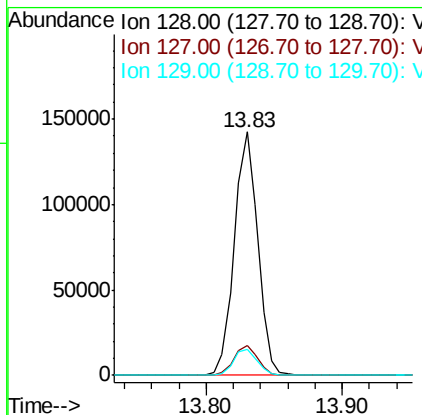
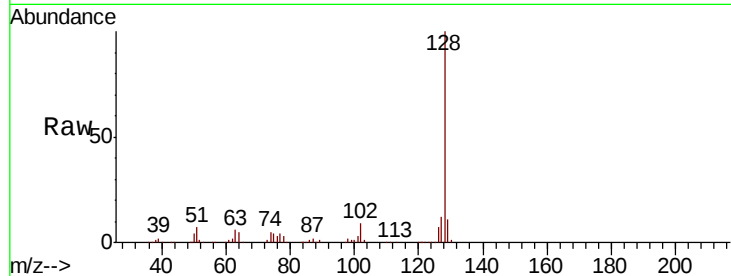
ClientSampleId :

VX1007MBS01

Tot Ion:	128	Resp:	170512
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:06:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.906 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012833.D

Acq: 07 Oct 2019 13:16

Tgt Ion:	180	Resp:	48255
Ion Ratio		Lower	Upper
180	100		
182	95.4	47.1	141.3
145	35.7	18.0	54.0

