

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
 Data File : VX010977.D
 Acq On : 18 Jul 2019 22:45
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:56:27 AM

Quant Time: Jul 19 03:25:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	38775	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	216317	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	193469	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	77508	25.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	83.47%
60) 4-Bromofluorobenzene	11.13	95	92059	28.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.80%
63) Toluene-d8	8.71	98	258666	28.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	53578	24.495	ug/l 100
3) Chloromethane	1.33	50	47112	17.473	ug/l 100
4) Vinyl Chloride	1.41	62	48213	17.878	ug/l 100
5) Bromomethane	1.64	94	29988	17.232	ug/l 100
6) Chloroethane	1.73	64	28503	16.484	ug/l 100
7) Trichlorofluoromethane	1.93	101	79053	22.362	ug/l 100
8) Diethyl Ether	2.19	74	25974	16.933	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	43400	20.388	ug/l 100
10) 1,1-Dichloroethene	2.37	96	43832	20.484	ug/l 100
11) Methyl Iodide	2.51	142	53250	22.048	ug/l 100
12) Methyl Acetate	2.78	43	62181	16.149	ug/l 100
13) Acrolein	2.29	56	37531	71.784	ug/l 100
14) Acrylonitrile	3.14	53	121171	73.986	ug/l 100
15) Acetone	2.44	58	34211	73.463	ug/l 100
16) Carbon Disulfide	2.57	76	107809	18.941	ug/l 100
17) Allyl chloride	2.73	41	60940	12.932	ug/l 100
18) Methylene Chloride	2.85	84	48376	18.991	ug/l 100
19) trans-1,2-Dichloroethene	3.17	96	46281	20.281	ug/l 100
20) Diisopropyl ether	3.85	45	130910	13.972	ug/l 100
21) 1,1-Dichloroethane	3.70	63	75212	16.127	ug/l 100
22) cis-1,2-Dichloroethene	4.60	96	52143	19.224	ug/l 100
23) tert-Butyl Alcohol	3.04	59	61105	85.175	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	137463	17.020	ug/l 100
25) Chloroform	5.21	83	81792	18.689	ug/l 100
26) Cyclohexane	5.58	56	69596	16.103	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	60150	19.112	ug/l 100
30) 2-Butanone	4.67	43	162969	70.249	ug/l 100
31) 2,2-Dichloropropane	4.59	77	50476	15.212	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	70084	20.129	ug/l 100
33) Carbon Tetrachloride	5.78	117	59198	20.344	ug/l 100
34) Benzene	6.15	78	180808	18.745	ug/l 100
35) Methacrylonitrile	5.04	41	32525	13.493	ug/l 100
36) 1,2-Dichloroethane	6.20	62	62663	18.030	ug/l 100
37) Trichloroethene	7.21	130	51792	21.427	ug/l 100
38) Methylcyclohexane	7.46	83	75574	19.333	ug/l 100
39) 1,2-Dichloropropane	7.51	63	44776	16.661	ug/l 100
40) Dibromomethane	7.66	93	32708	20.479	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
 Data File : VX010977.D
 Acq On : 18 Jul 2019 22:45
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:56:27 AM

Quant Time: Jul 19 03:25:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	56533	17.822	ug/l	100
42) Vinyl Acetate	3.81	43	522749	68.606	ug/l	100
43) Ethyl Acetate	4.83	43	60852	14.522	ug/l	100
44) Isopropyl Acetate	6.45	43	99053	14.424	ug/l	100
45) 1,4-Dioxane	7.74	88	27440	385.160	ug/l	100
46) Methyl methacrylate	7.77	41	47758	14.039	ug/l	100
47) n-amyl Acetate	10.90	43	87298	14.131	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	58230	16.004	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	66025	16.489	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	47979	19.788	ug/l	100
51) Ethyl methacrylate	9.18	69	71560	16.546	ug/l	100
52) 1,3-Dichloropropane	9.37	76	77510	18.341	ug/l	100
53) Dibromochloromethane	9.58	129	48731	19.966	ug/l	100
54) 1,2-Dibromoethane	9.67	107	51362	20.439	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	156825	70.946	ug/l	100
56) Bromoform	10.85	173	34744	18.698	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	326244	73.091	ug/l	100
59) 2-Hexanone	9.49	43	250658	71.897	ug/l	100
61) Tetrachloroethene	9.34	164	52278	23.449	ug/l	100
62) Toluene	8.78	91	205973	19.960	ug/l	100
64) Chlorobenzene	10.13	112	130318	20.689	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	46434	20.200	ug/l	100
66) Ethyl Benzene	10.25	91	229433	19.919	ug/l	100
67) m/p-Xylenes	10.36	106	178748	41.924	ug/l	100
68) o-Xylene	10.69	106	86232	20.604	ug/l	100
69) Styrene	10.71	104	142954	19.687	ug/l	100
70) Isopropylbenzene	11.02	105	227013	20.310	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	73503	18.321	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	60674m	17.769	ug/l	100
73) Bromobenzene	11.26	156	61337	21.778	ug/l	100
74) n-propylbenzene	11.36	91	254157	19.722	ug/l	100
75) 2-Chlorotoluene	11.42	91	151014	19.589	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	192901	20.327	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	17423	13.091	ug/l	100
78) 4-Chlorotoluene	11.51	91	171714	19.551	ug/l	100
79) tert-butylbenzene	11.77	119	184387	20.141	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	193650	20.338	ug/l	100
81) sec-Butylbenzene	11.94	105	219752	20.179	ug/l	100
82) p-Isopropyltoluene	12.06	119	203200	20.435	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	107291	21.306	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	107515	21.358	ug/l	100
85) n-Butylbenzene	12.38	91	170305	18.932	ug/l	100
86) Hexachloroethane	12.60	117	29271	17.850	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	109471	21.595	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15558	16.942	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	71836	20.076	ug/l	100
90) Hexachlorobutadiene	13.78	225	35405	19.916	ug/l	100
91) Naphthalene	13.83	128	227988	19.750	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	73513	20.314	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
Data File : VX010977.D
Acq On : 18 Jul 2019 22:45
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:56:27 AM

Quant Time: Jul 19 03:25:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 03:13:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

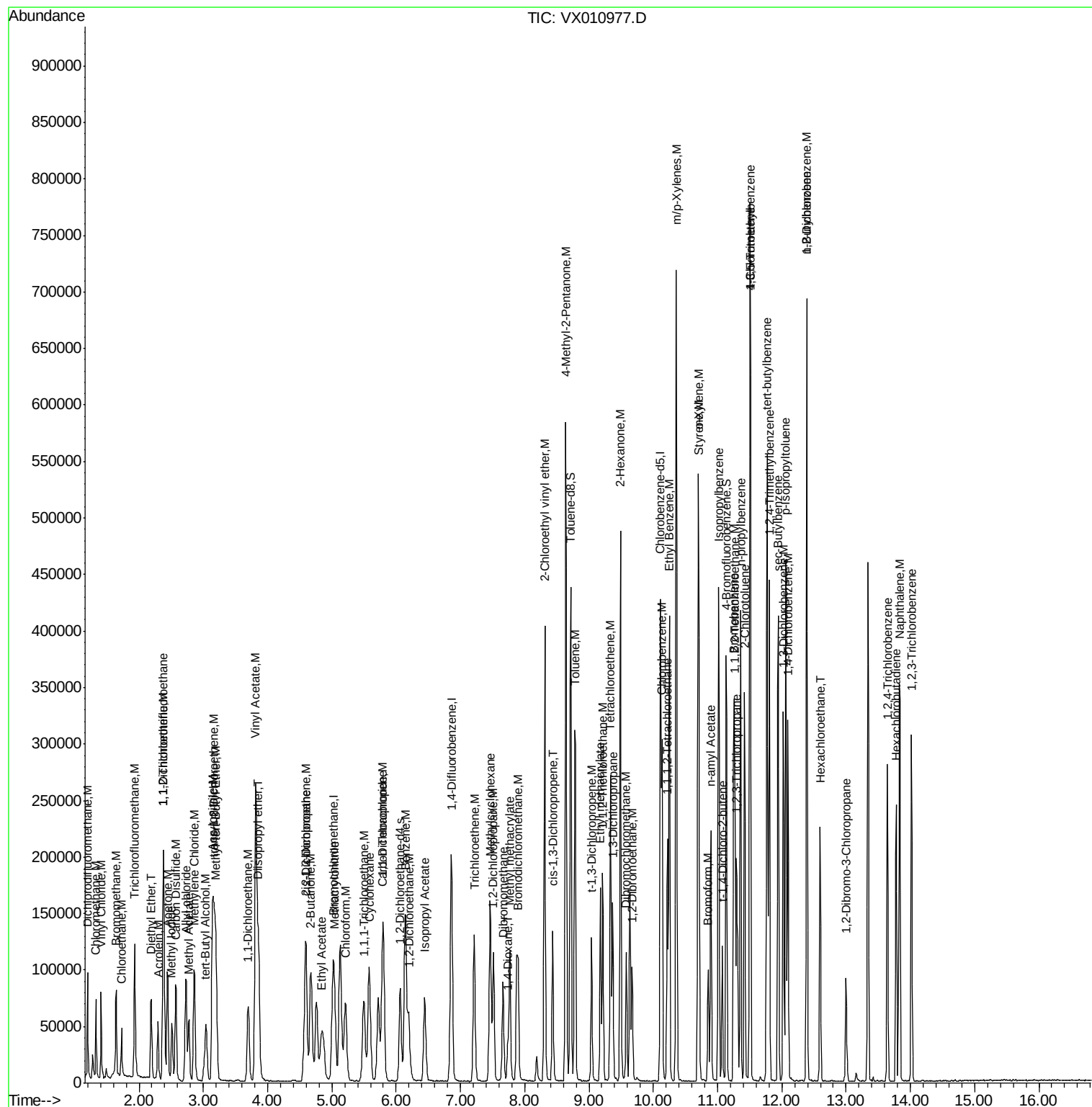
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071919\
Data File : VX010977.D
Acq On : 18 Jul 2019 22:45
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

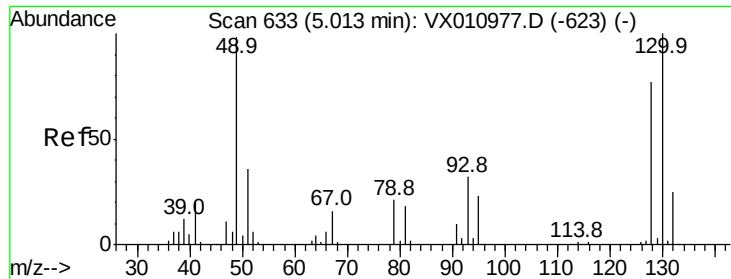
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:56:27 AM

Quant Time: Jul 19 03:25:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 03:13:22 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:128 Resp: 38775

Ion Ratio Lower Upper

128 100

49 137.4 0.0 343.5

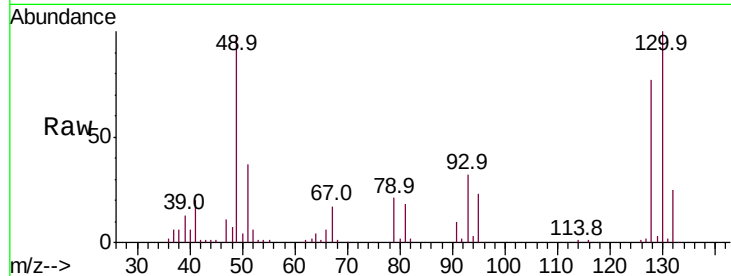
130 129.9 0.0 324.7

Manual Integrations

APPROVED

MMDadoda

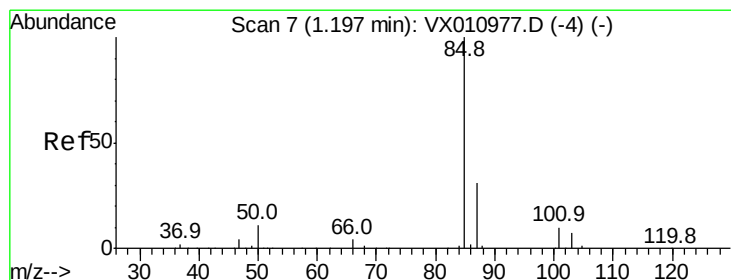
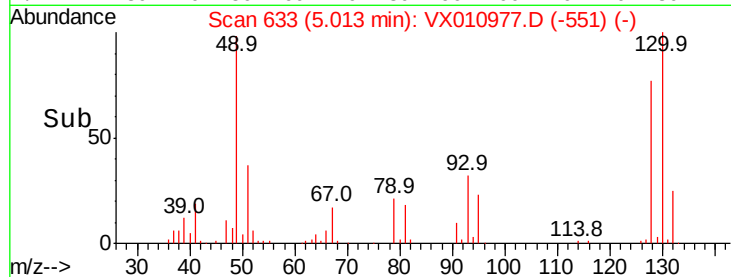
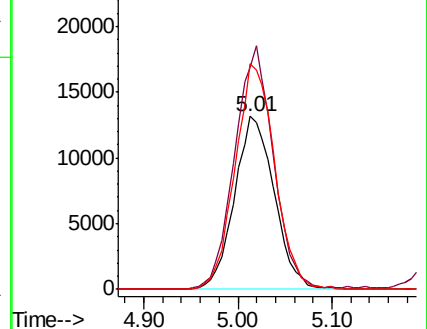
7/19/2019 9:56:27 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 24.495 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010977.D

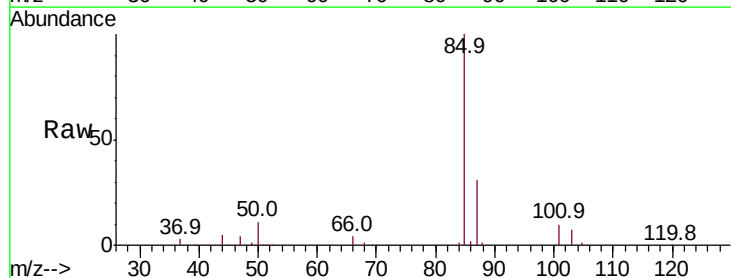
Acq: 18 Jul 2019 22:45

Tgt Ion: 85 Resp: 53578

Ion Ratio Lower Upper

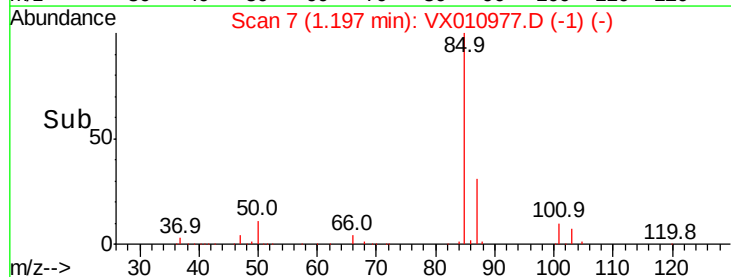
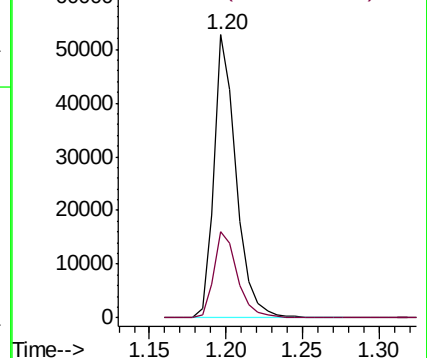
85 100

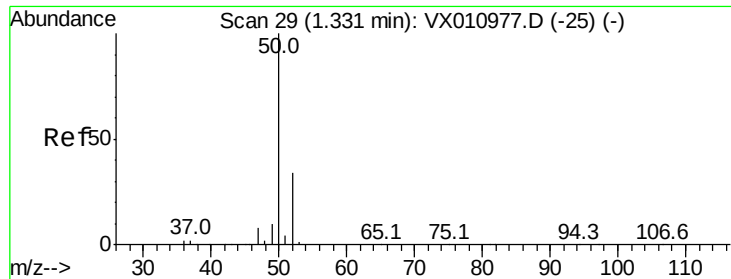
87 30.7 15.4 46.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 17.473 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 47112

Ion Ratio Lower Upper

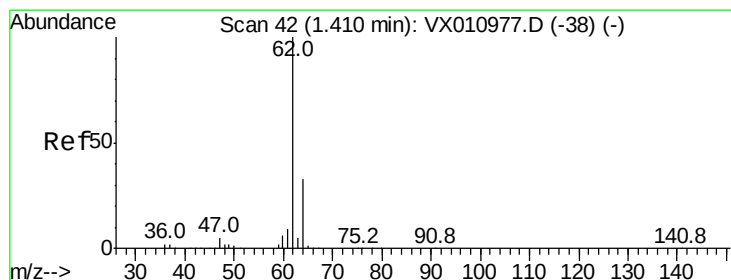
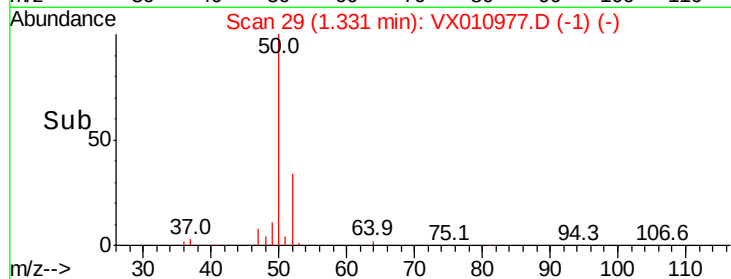
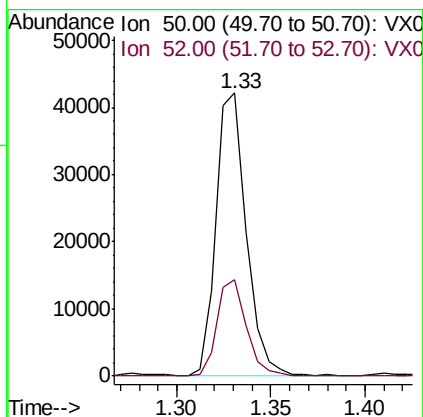
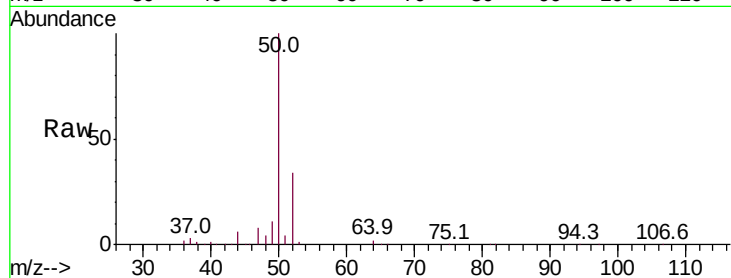
50 100

52 34.1 27.3 40.9

Manual Integrations
APPROVED

MMDadoda

7/19/2019 9:56:27 AM



#4

Vinyl Chloride

Concen: 17.878 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010977.D

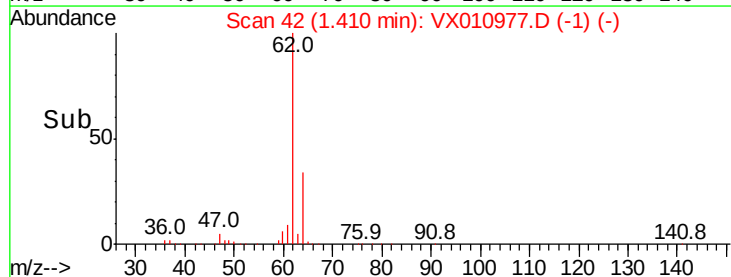
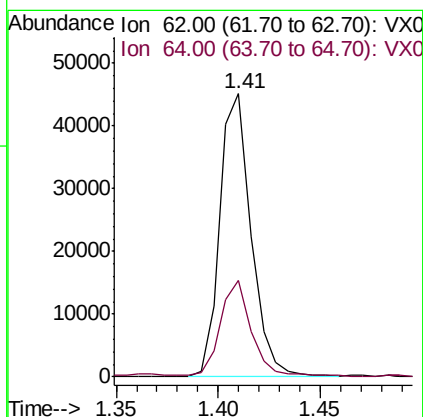
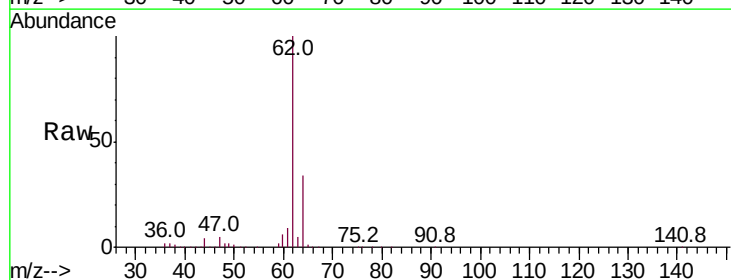
Acq: 18 Jul 2019 22:45

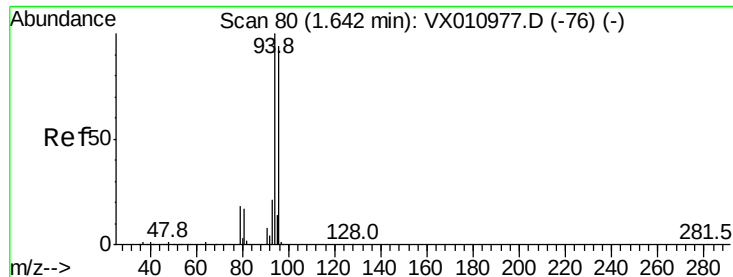
Tgt Ion: 62 Resp: 48213

Ion Ratio Lower Upper

62 100

64 33.5 26.8 40.2





#5

Bromomethane

Concen: 17.232 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 29988

Ion Ratio Lower Upper

94 100

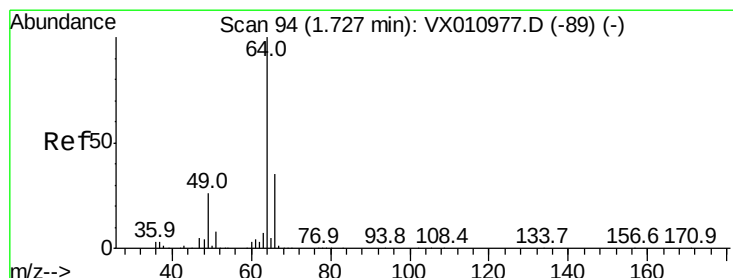
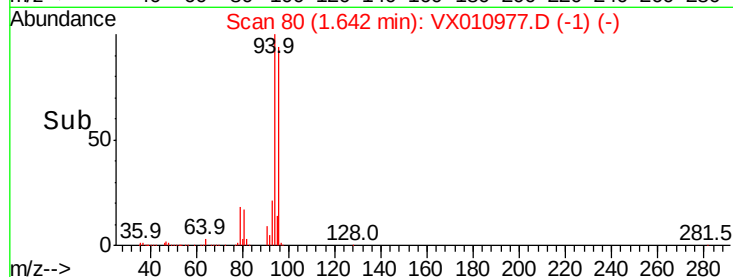
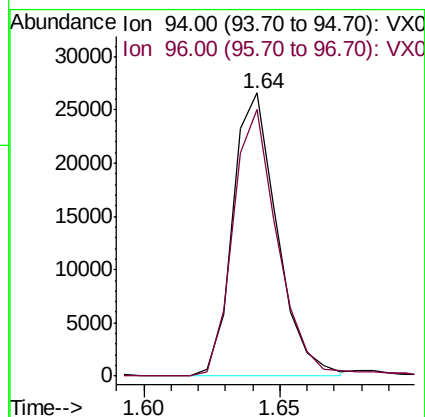
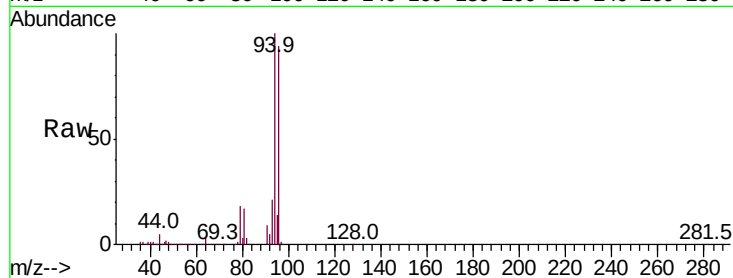
96 94.3 75.4 113.2

Manual Integrations

APPROVED

MMDadoda

7/19/2019 9:56:27 AM



#6

Chloroethane

Concen: 16.484 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX010977.D

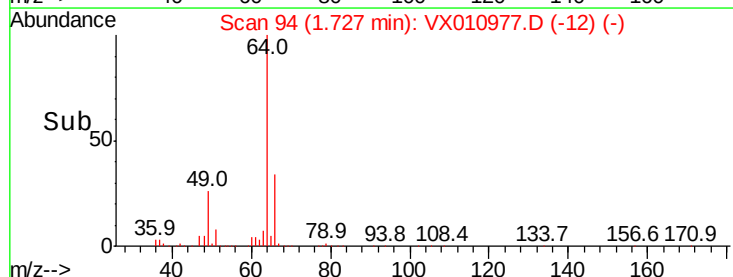
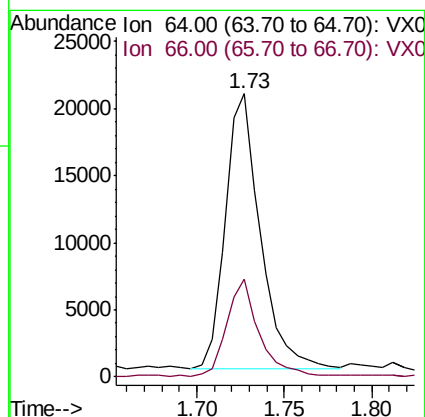
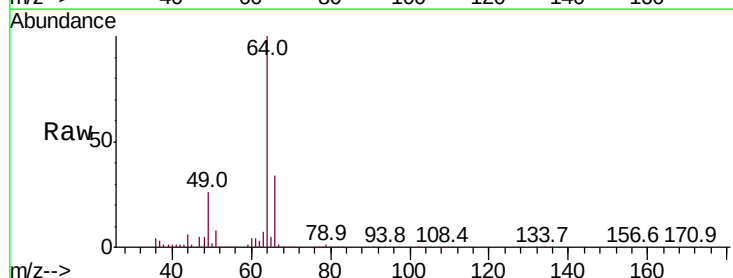
Acq: 18 Jul 2019 22:45

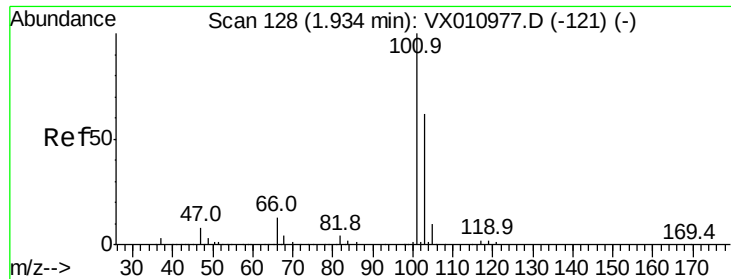
Tgt Ion: 64 Resp: 28503

Ion Ratio Lower Upper

64 100

66 35.1 28.1 42.1





#7

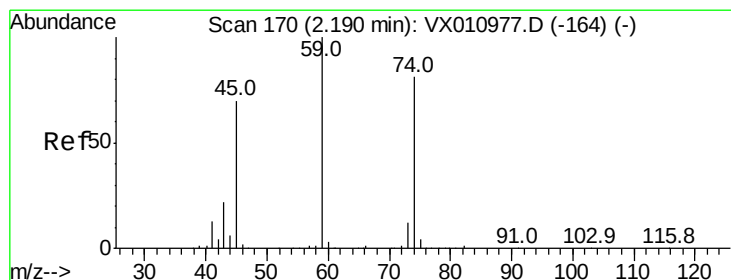
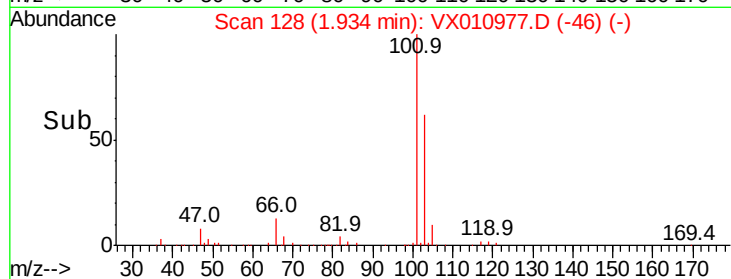
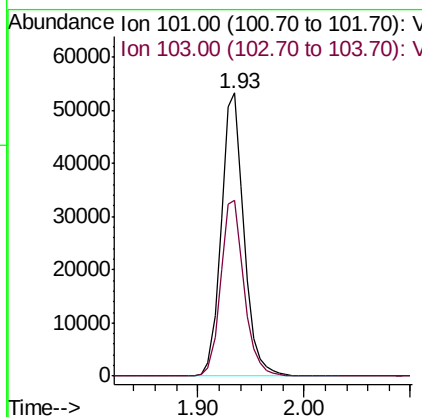
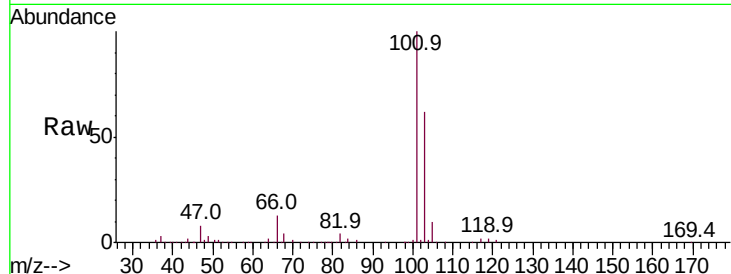
Trichlorofluoromethane
Concen: 22.362 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.6	74.4

Manual Integrations
APPROVED

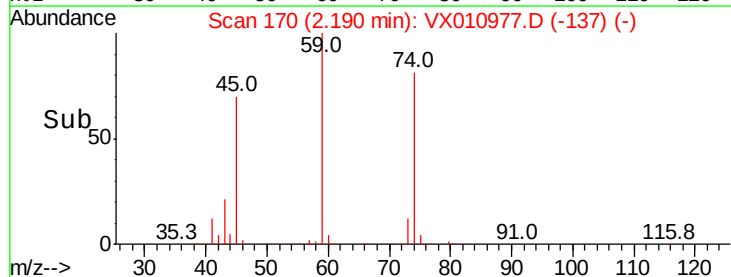
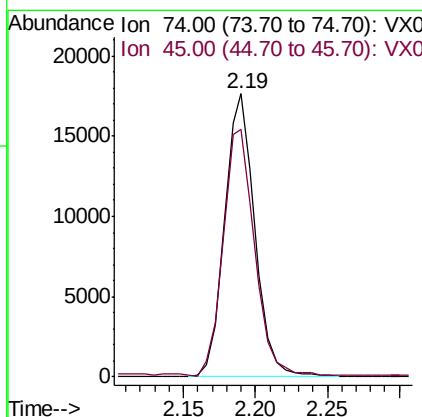
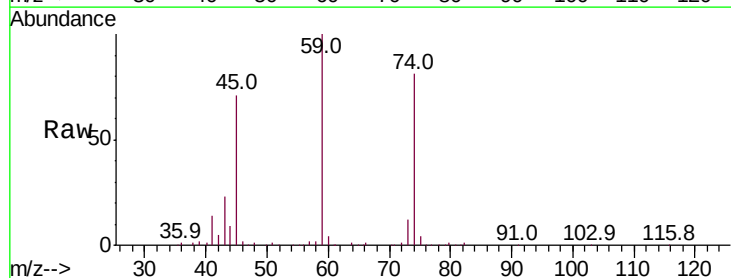
MMDadoda
7/19/2019 9:56:27 AM

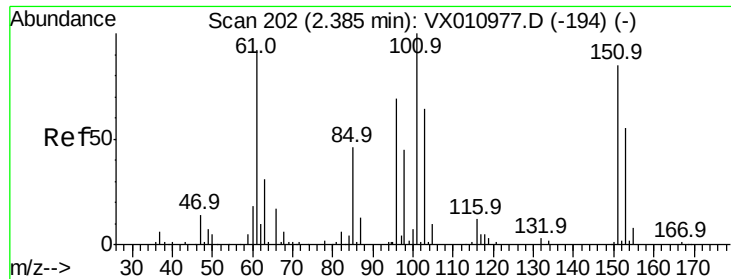


#8

Diethyl Ether
Concen: 16.933 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.3	18.3	164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.388 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

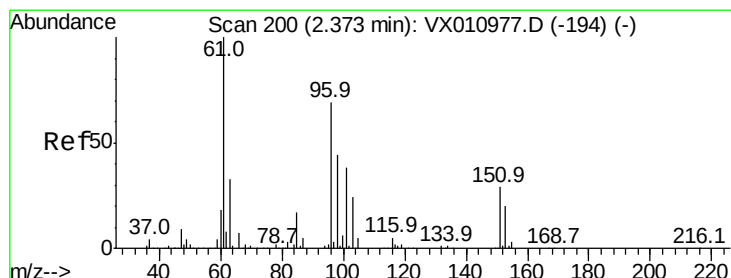
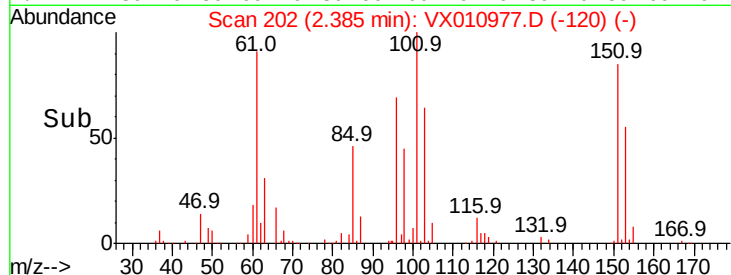
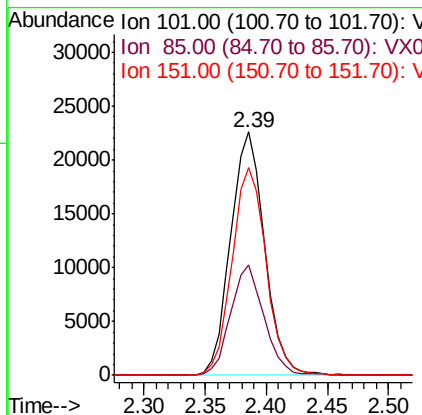
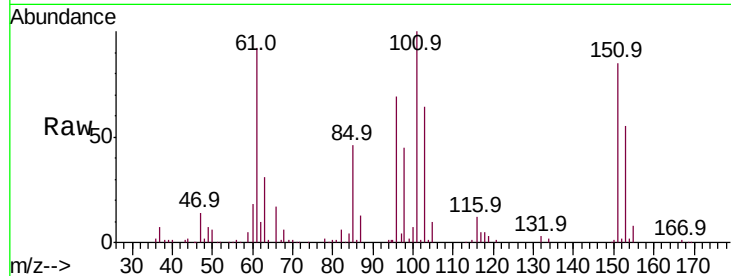
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	43400
Ion Ratio	Lower	Upper	
101	100		
85	44.9	0.0	89.8
151	86.1	0.0	172.2

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:56:27 AM



#10

1,1-Dichloroethene

Concen: 20.484 ug/l

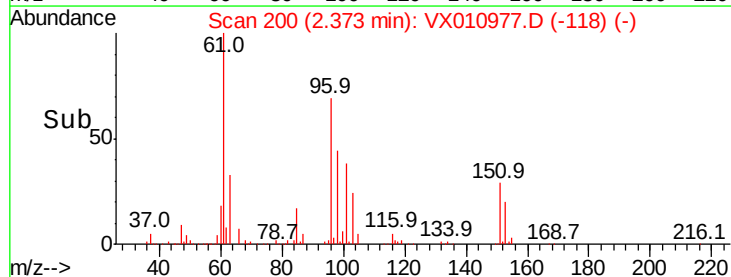
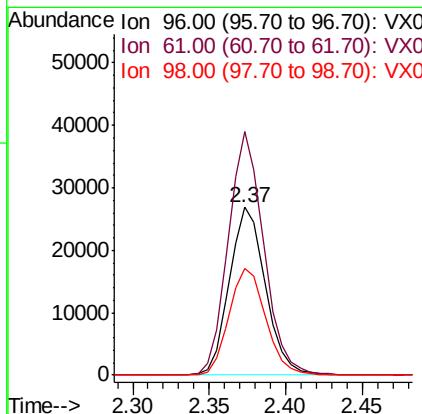
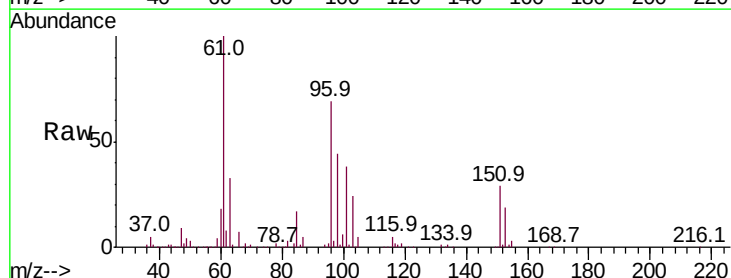
RT: 2.37 min Scan# 200

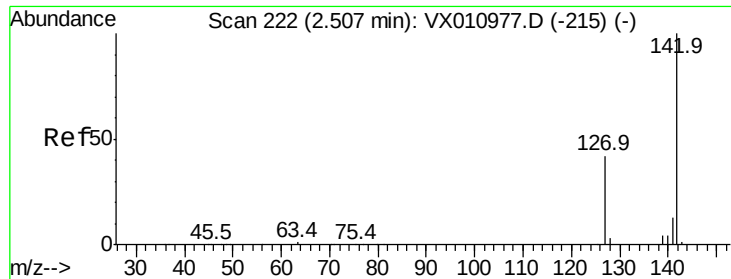
Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Tgt Ion:	96	Resp:	43832
Ion Ratio	Lower	Upper	
96	100		
61	144.9	115.9	173.9
98	63.2	50.6	75.8





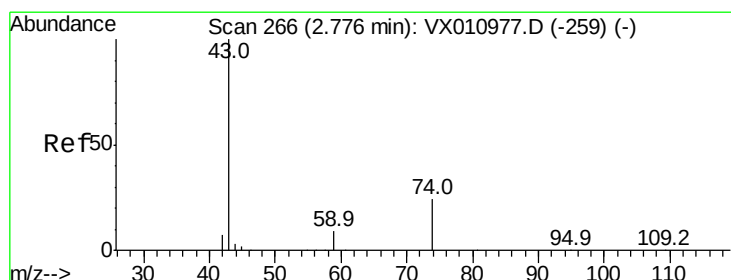
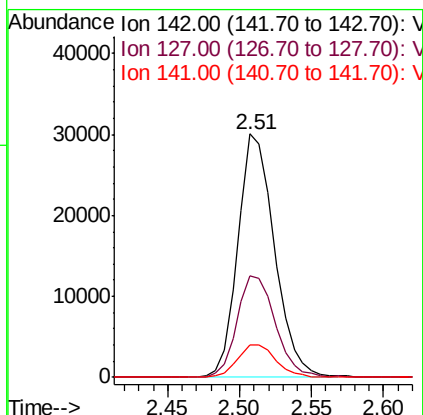
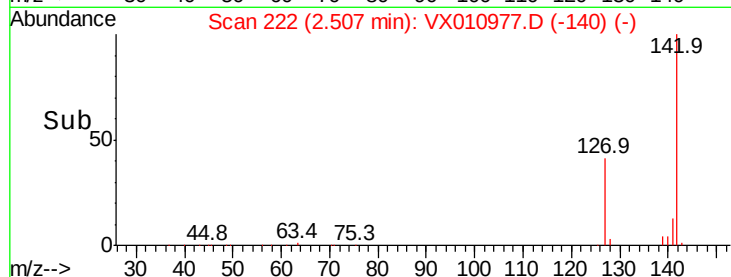
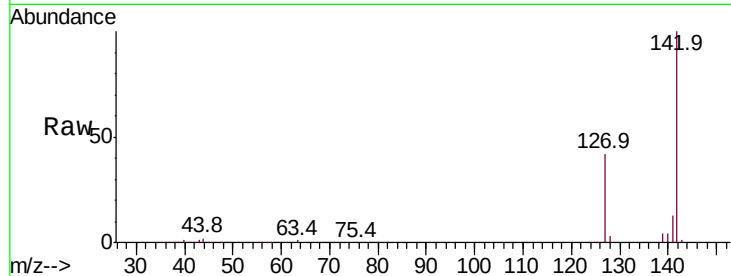
#11
Methvl Iodide
Concen: 22.048 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.4	20.7	62.1
141	13.3	6.7	20.0

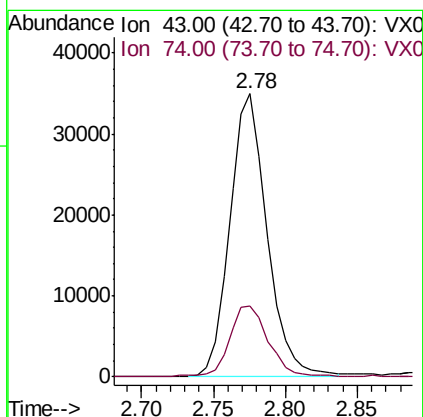
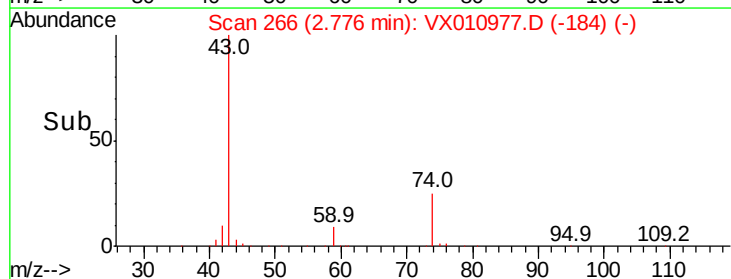
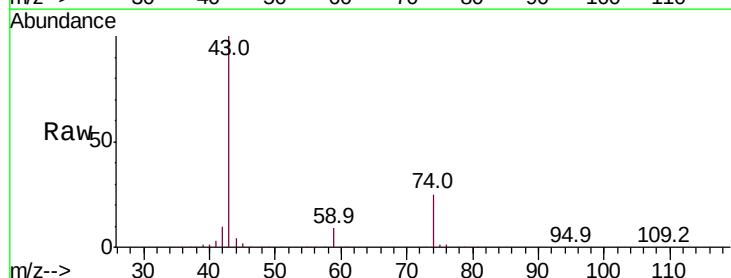
Manual Integrations
APPROVED

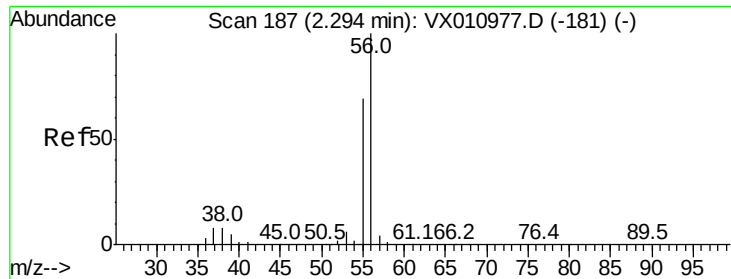
MMDadoda
7/19/2019 9:56:27 AM



#12
Methyl Acetate
Concen: 16.149 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6





#13

Acrolein

Concen: 71.784 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 37531

Ion Ratio Lower Upper

56 100

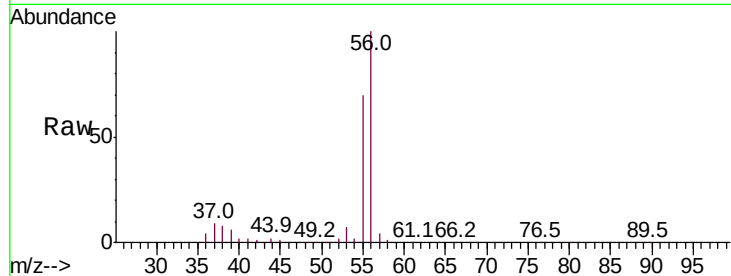
55 70.1 56.1 84.1

Manual Integrations

APPROVED

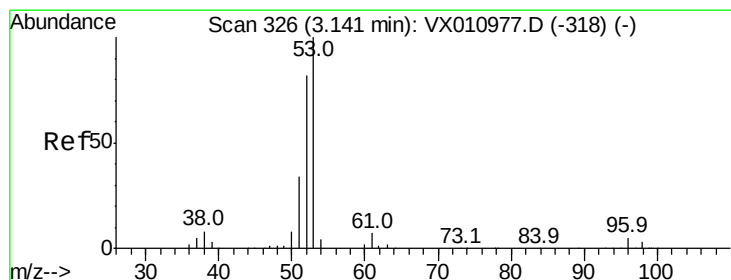
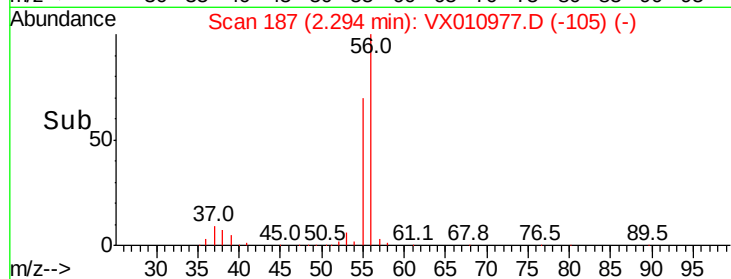
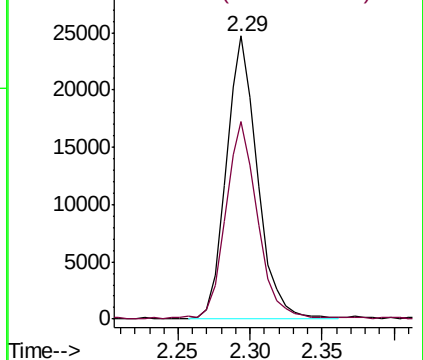
MMDadoda

7/19/2019 9:56:27 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 73.986 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

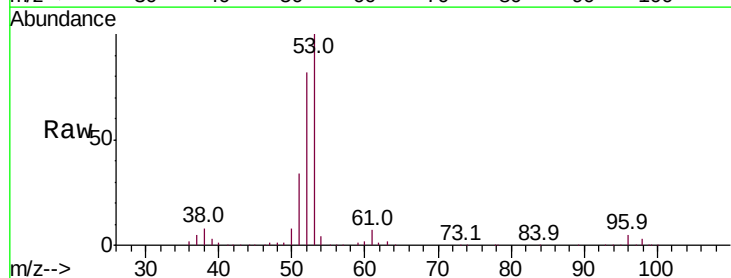
Tgt Ion: 53 Resp: 121171

Ion Ratio Lower Upper

53 100

52 82.3 41.1 123.4

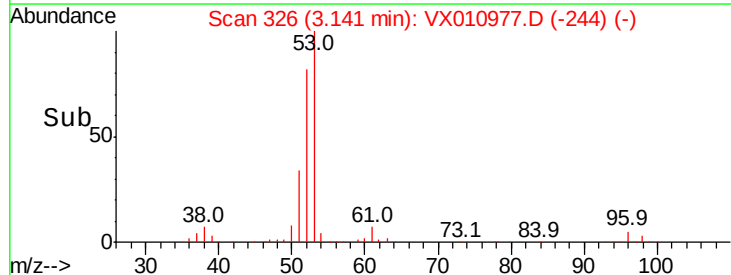
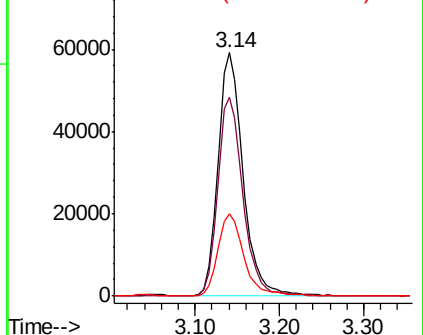
51 35.5 17.8 53.3

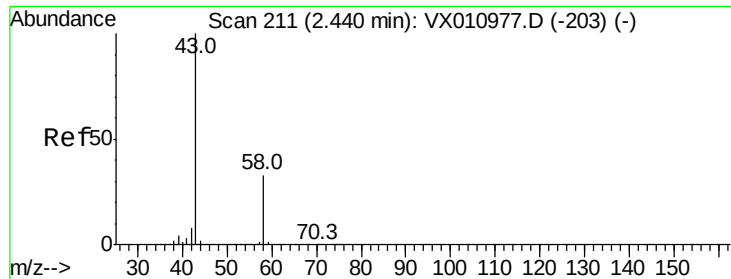


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 73.463 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 34211

Ion Ratio Lower Upper

58 100

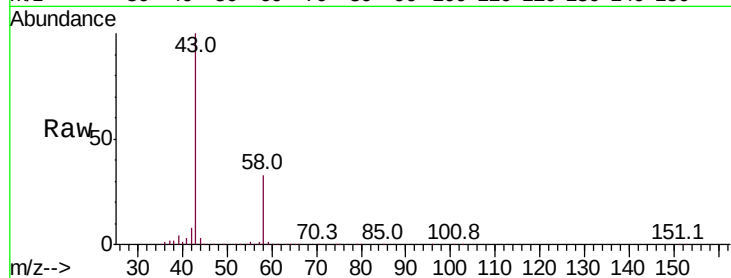
43 304.7 243.8 365.6

Manual Integrations

APPROVED

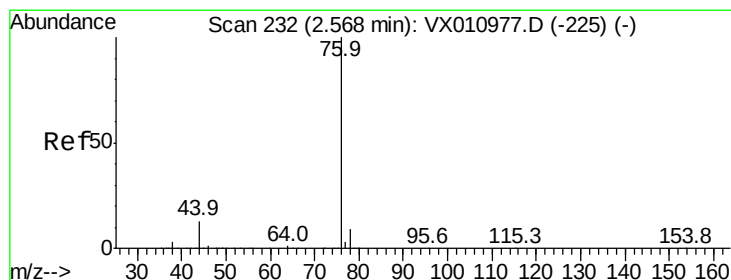
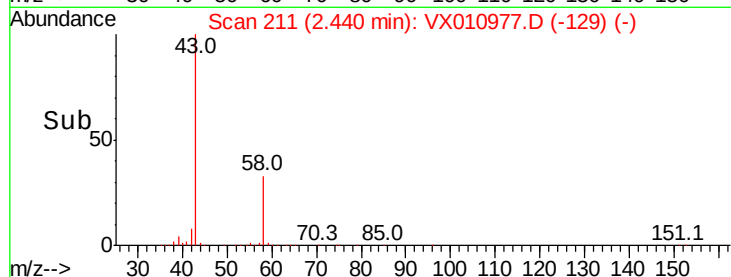
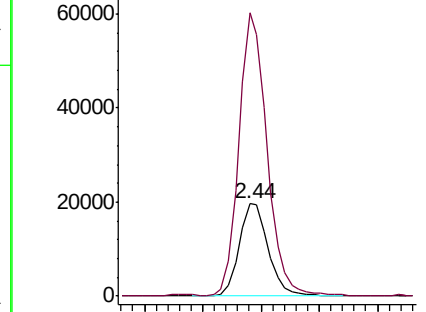
MMDadoda

7/19/2019 9:56:27 AM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.941 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010977.D

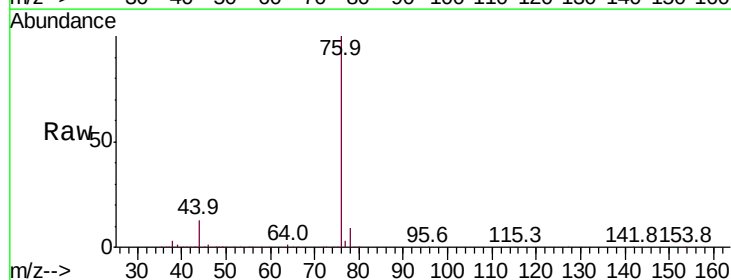
Acq: 18 Jul 2019 22:45

Tgt Ion: 76 Resp: 107809

Ion Ratio Lower Upper

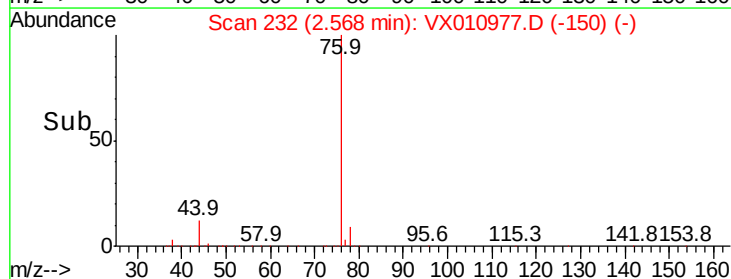
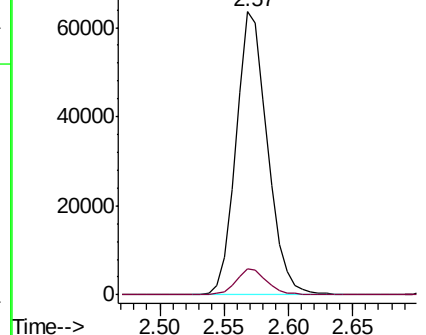
76 100

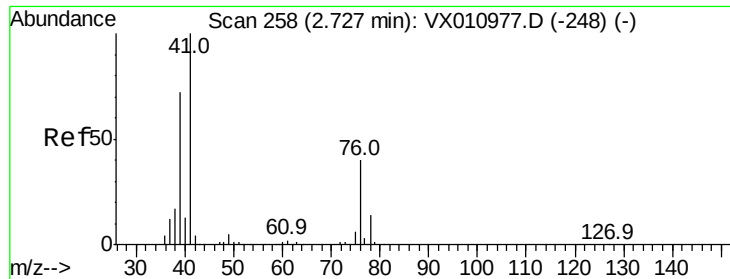
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 12.932 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

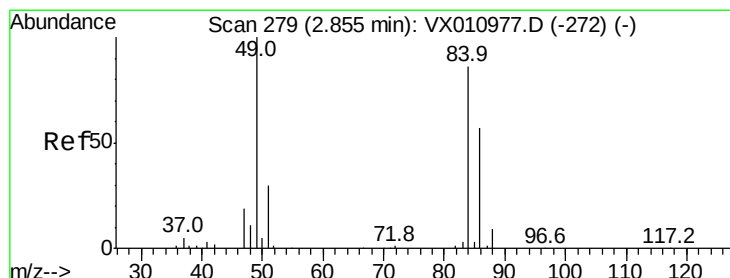
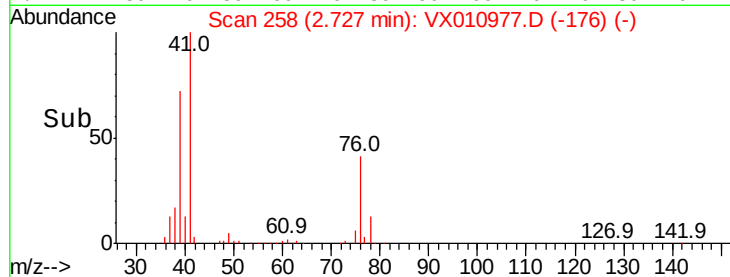
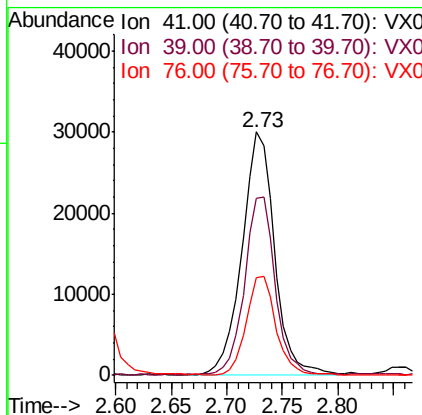
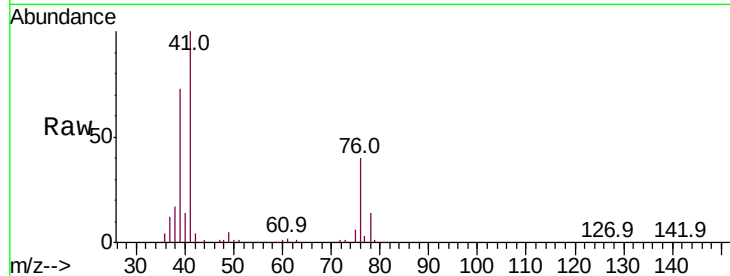
ClientSampleId :

VSTDICCC020

Tot Ion:	41	Resp:	60940
Ion	Ratio	Lower	Upper
41	100		
39	72.2	36.1	108.3
76	40.3	20.2	60.5

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:56:27 AM



#18

Methylene Chloride

Concen: 18.991 ug/l

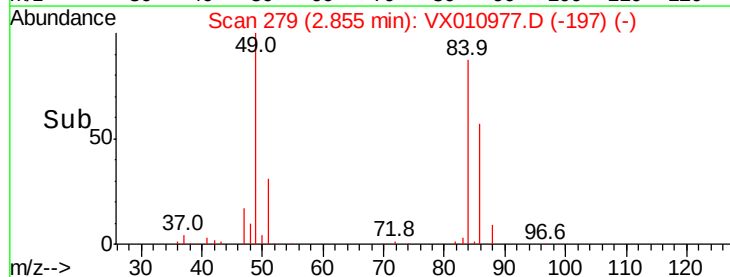
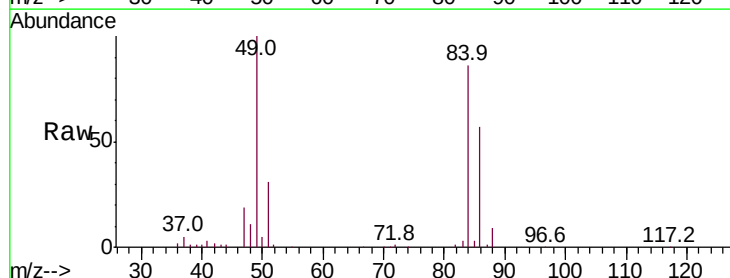
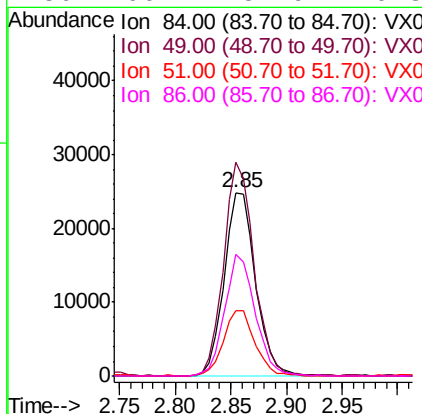
RT: 2.85 min Scan# 279

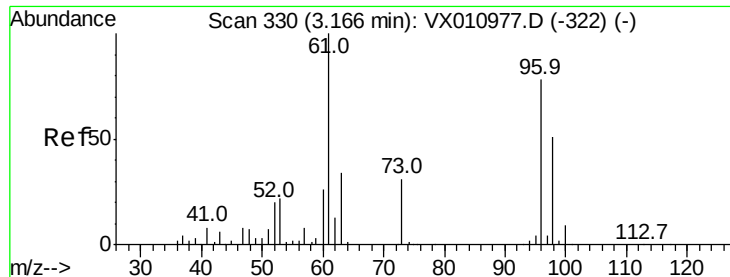
Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Tgt Ion:	84	Resp:	48376
Ion	Ratio	Lower	Upper
84	100		
49	116.5	93.2	139.8
51	35.7	28.6	42.8
86	66.1	52.9	79.3





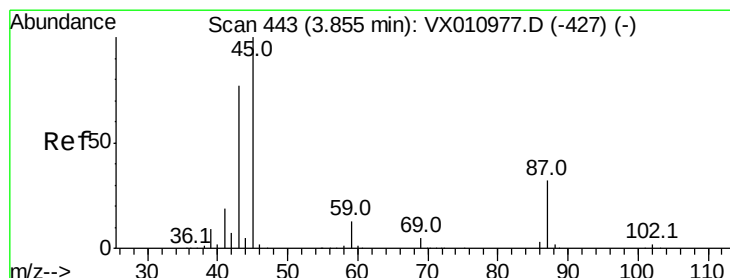
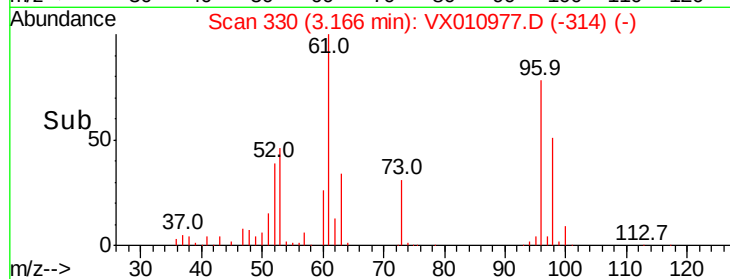
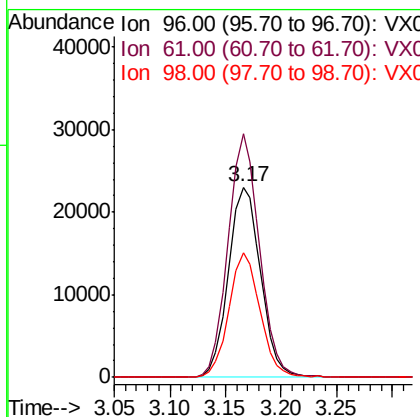
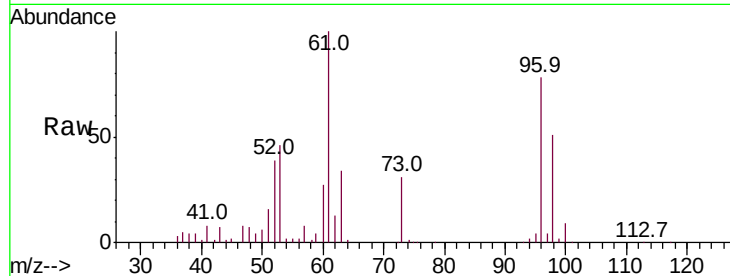
#19
trans-1,2-Dichloroethene
Concen: 20.281 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.8	102.2	153.4
98	65.2	52.2	78.2

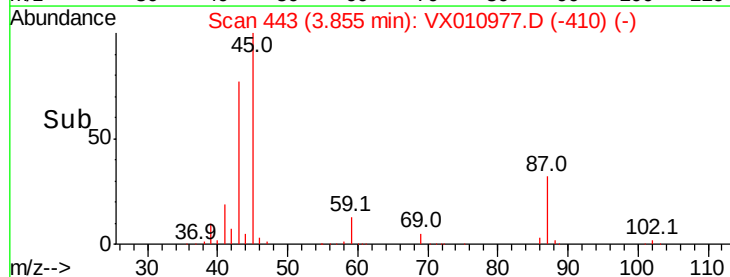
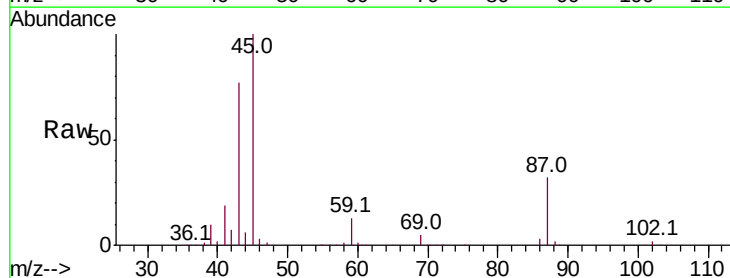
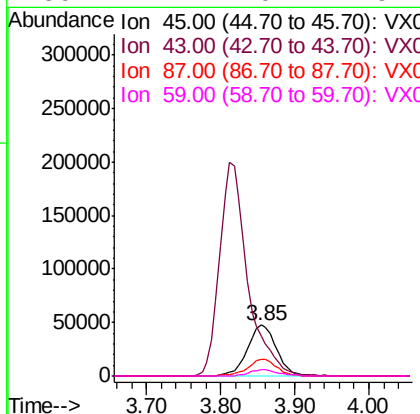
Manual Integrations
APPROVED

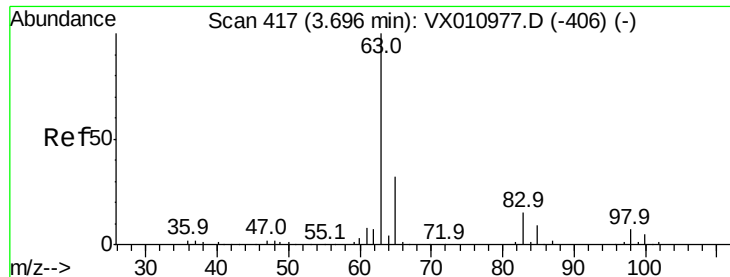
MMDadoda
7/19/2019 9:56:27 AM



#20
Diisopropyl ether
Concen: 13.972 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.9	61.5	92.3
87	31.8	25.4	38.2
59	12.7	10.2	15.2





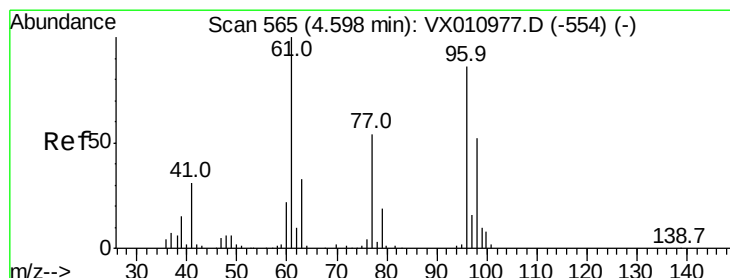
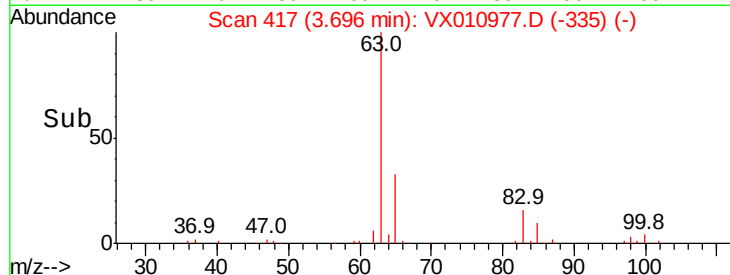
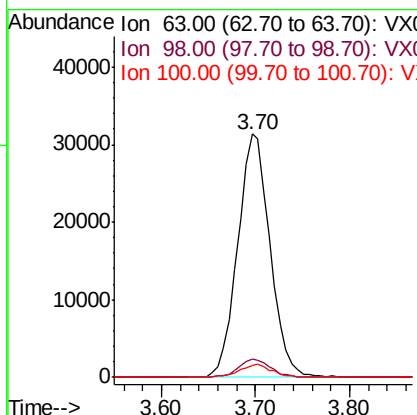
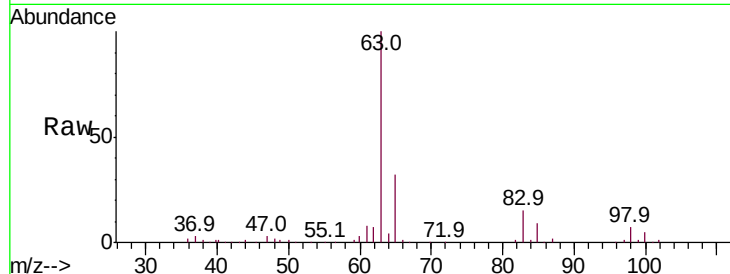
#21
 1,1-Dichloroethane
 Concen: 16.127 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion:	63	Resp:	75212
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.9	2.5	7.4

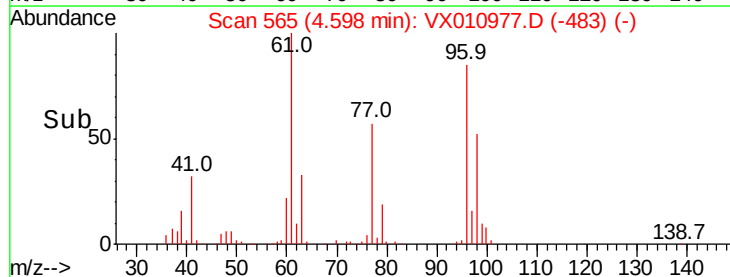
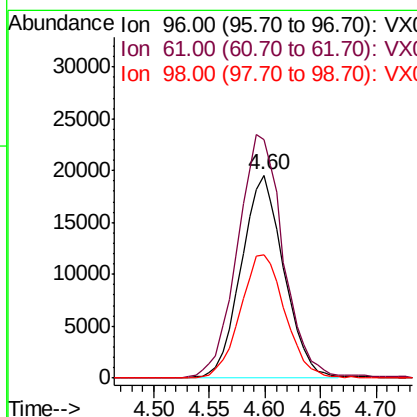
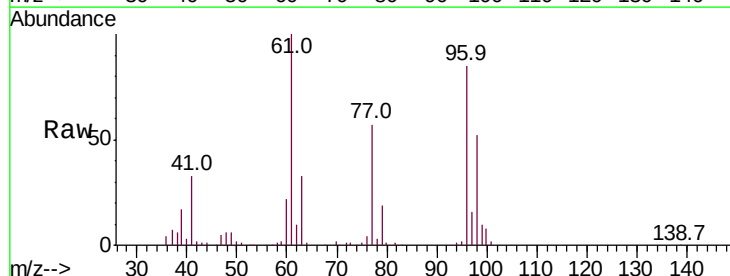
Manual Integrations
 APPROVED

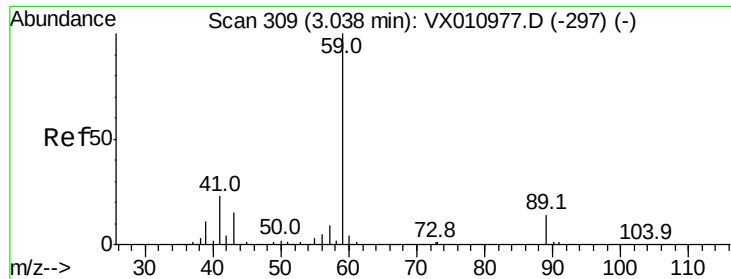
MMDadoda
 7/19/2019 9:56:27 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.224 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Tgt Ion:	96	Resp:	52143
Ion	Ratio	Lower	Upper
96	100		
61	128.6	102.9	154.3
98	63.6	50.9	76.3





#23

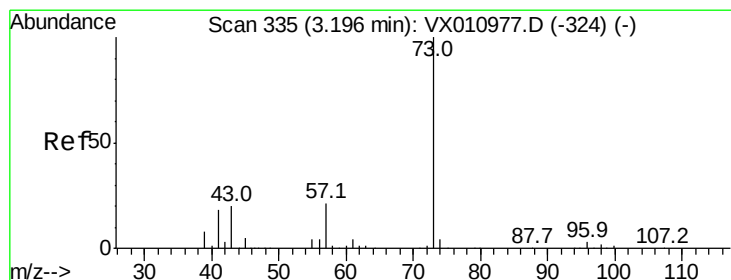
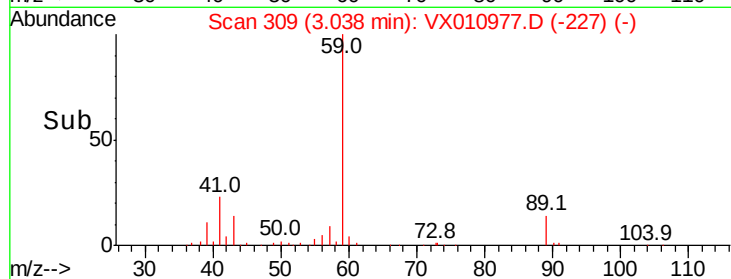
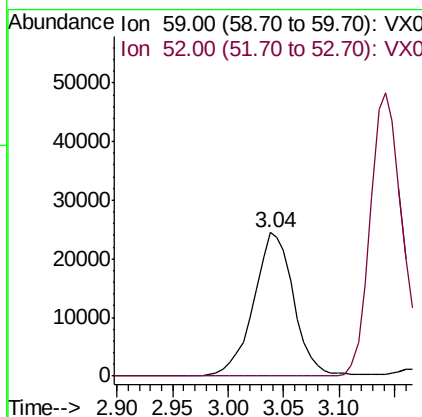
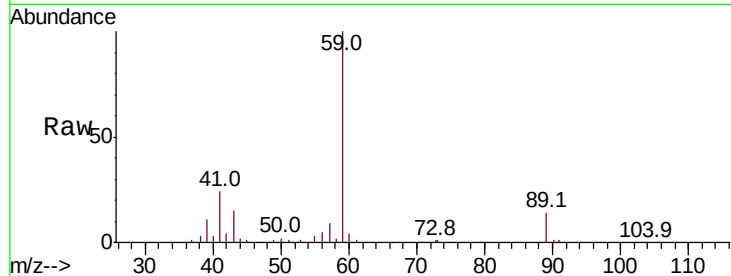
tert-Butyl Alcohol
Concen: 85.175 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.2	0.4

Manual Integrations
APPROVED

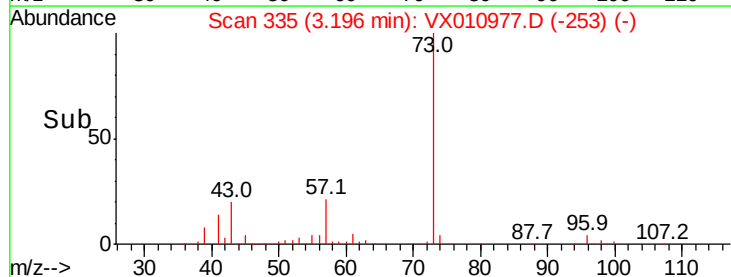
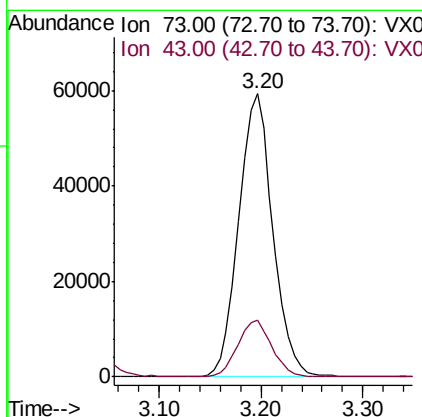
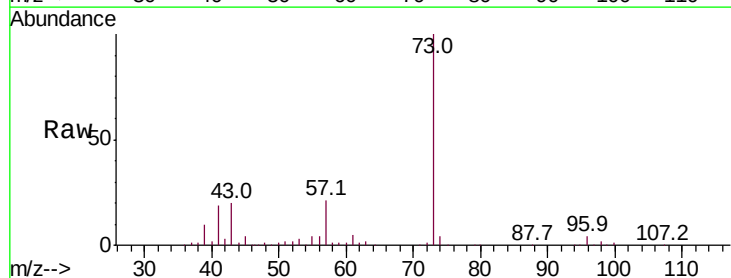
MMDadoda
7/19/2019 9:56:27 AM

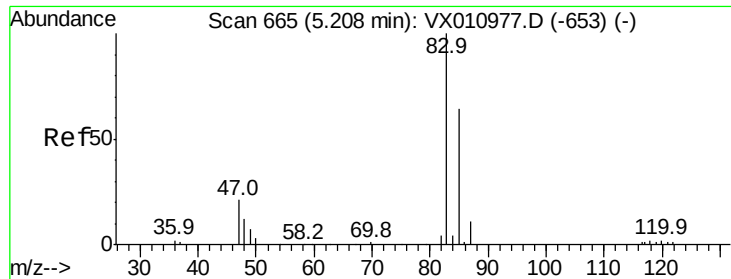


#24

Methyl tert-Butyl Ether
Concen: 17.020 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.7	15.8	23.6





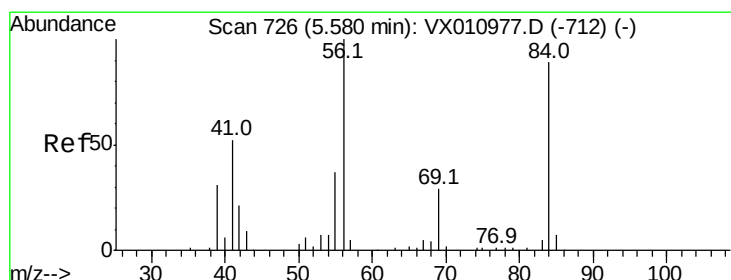
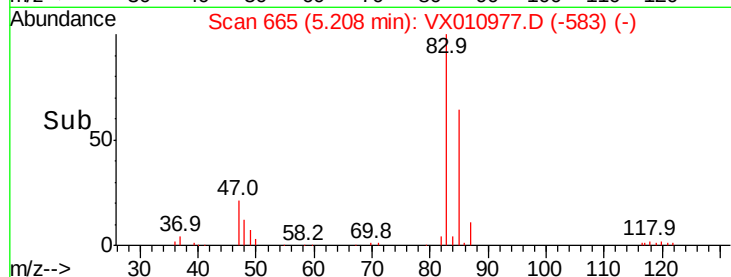
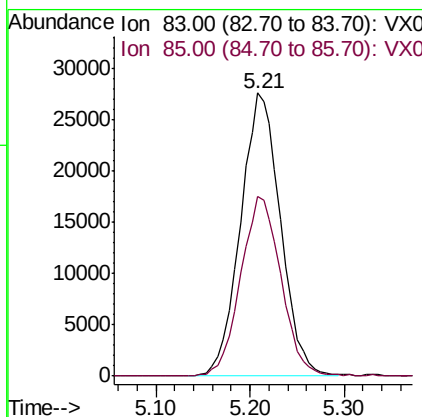
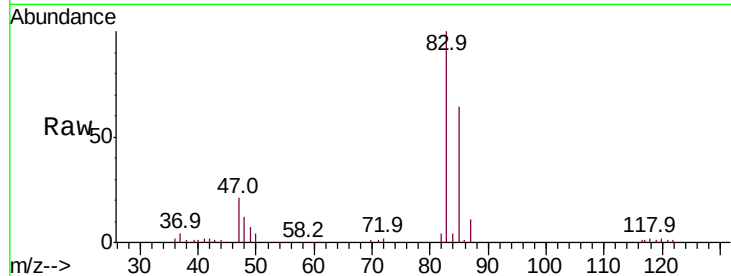
#25
Chloroform
Concen: 18.689 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion: 83 Resp: 81792
Ion Ratio Lower Upper
83 100
85 63.6 50.9 76.3

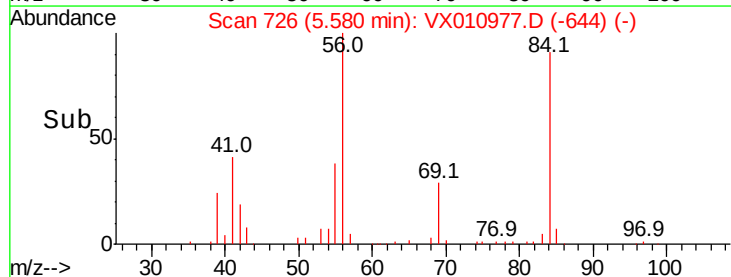
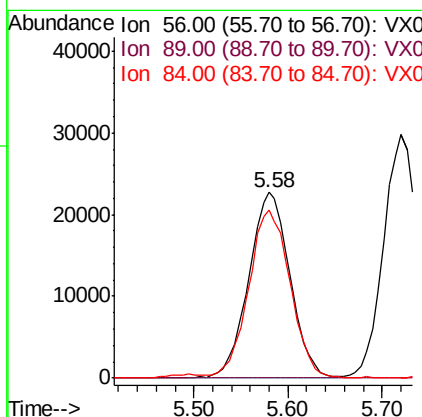
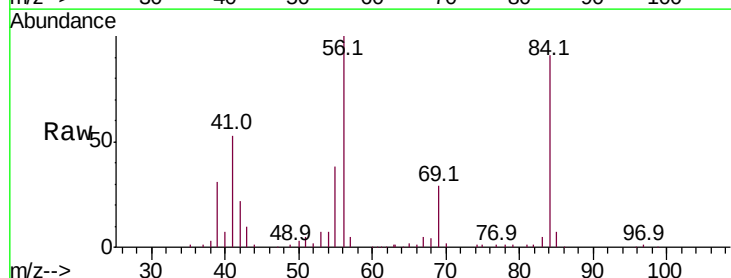
Manual Integrations
APPROVED

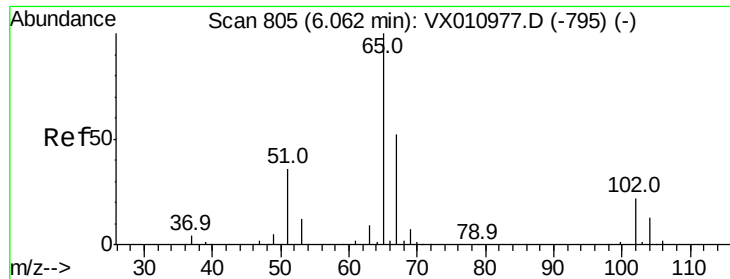
MMDadoda
7/19/2019 9:56:27 AM



#26
Cyclohexane
Concen: 16.103 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion: 56 Resp: 69596
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 91.2 73.0 109.4





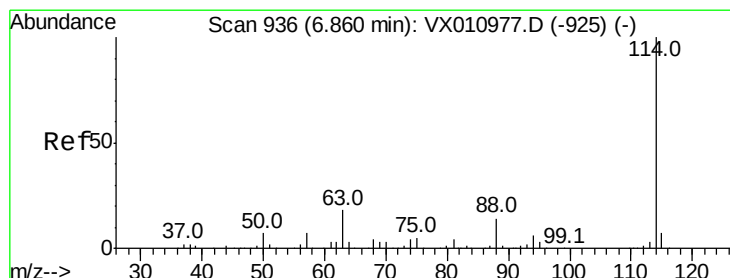
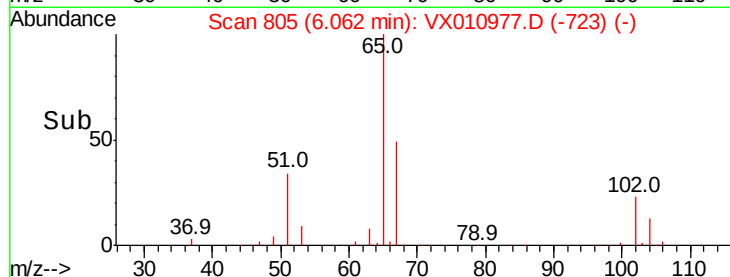
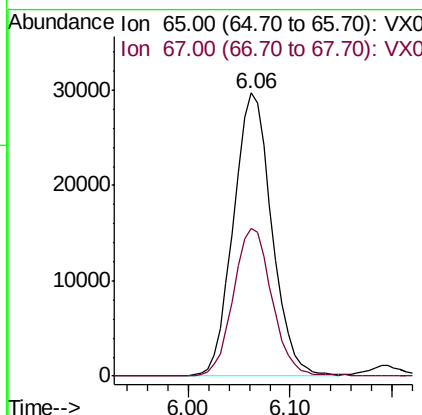
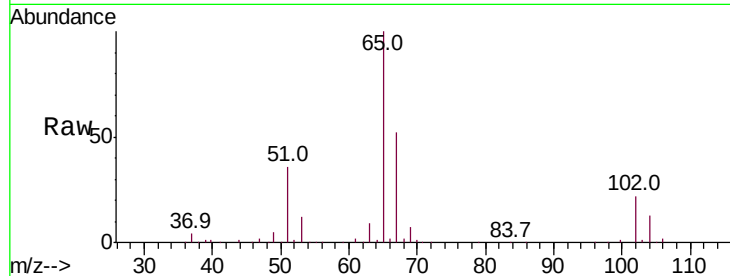
#27
 1,2-Dichloroethane-d4
 Concen: 25.043 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 65 Resp: 77508
 Ion Ratio Lower Upper
 65 100
 67 52.1 41.7 62.5

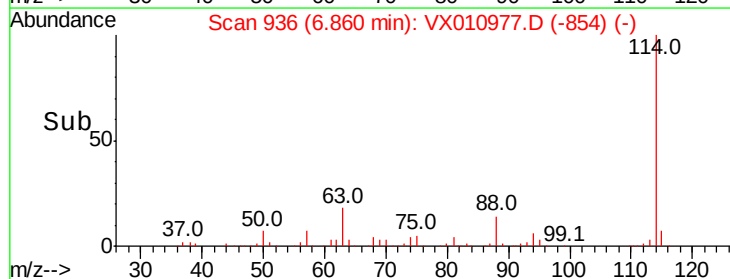
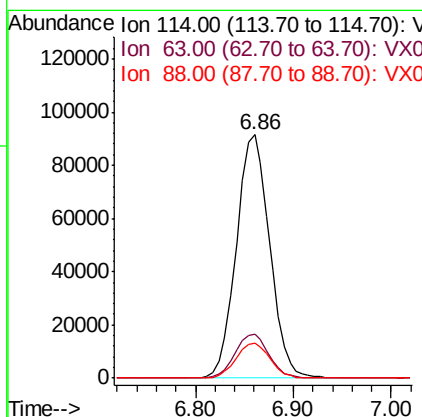
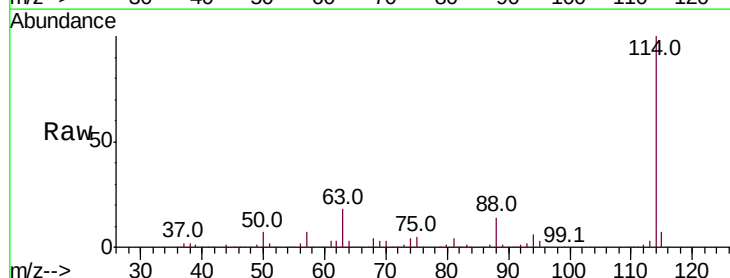
Manual Integrations
 APPROVED

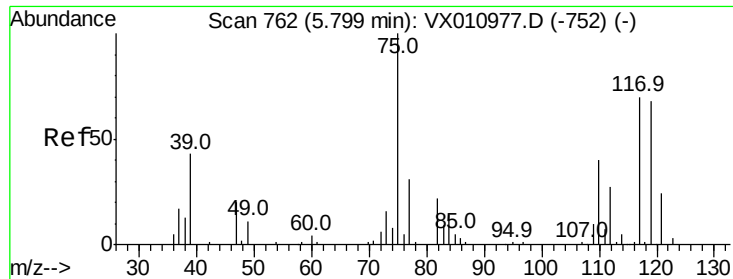
MMDadoda
 7/19/2019 9:56:27 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Tgt Ion: 114 Resp: 216317
 Ion Ratio Lower Upper
 114 100
 63 18.3 14.6 22.0
 88 14.8 11.8 17.8





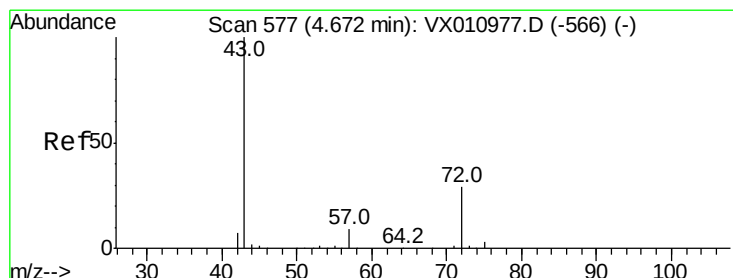
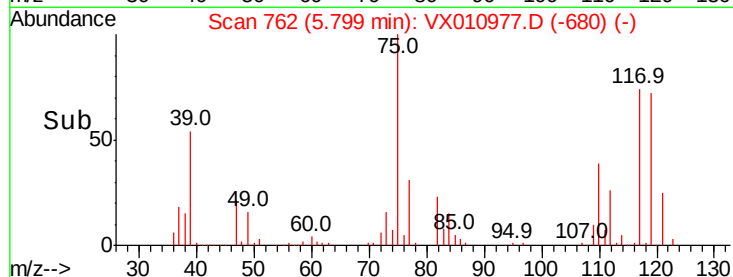
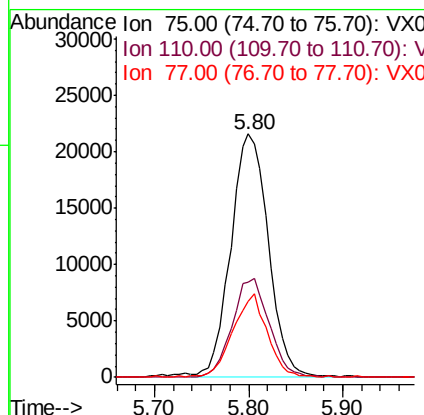
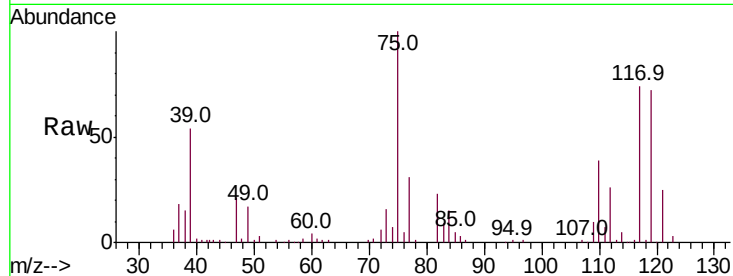
#29
 1,1-Dichloropropene
 Concen: 19.112 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	39.9	0.0	79.8
77	31.1	0.0	62.2

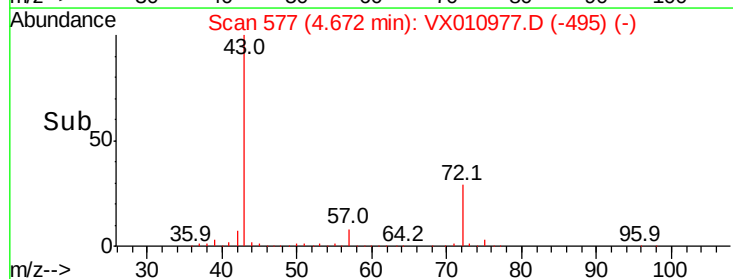
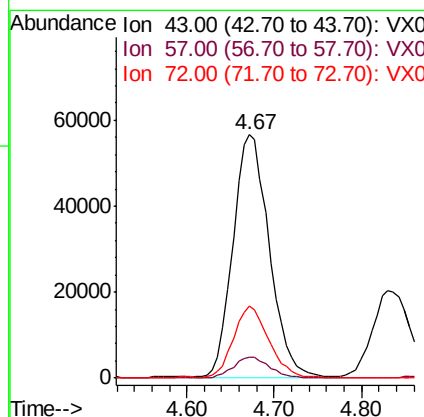
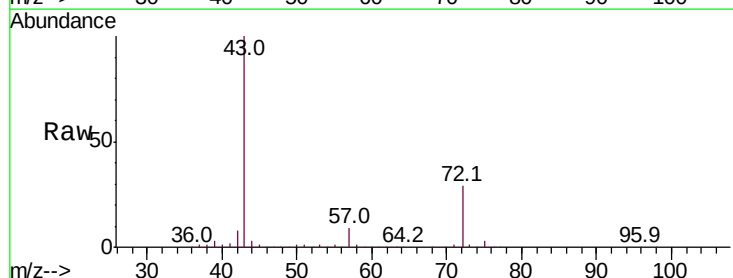
Manual Integrations
 APPROVED

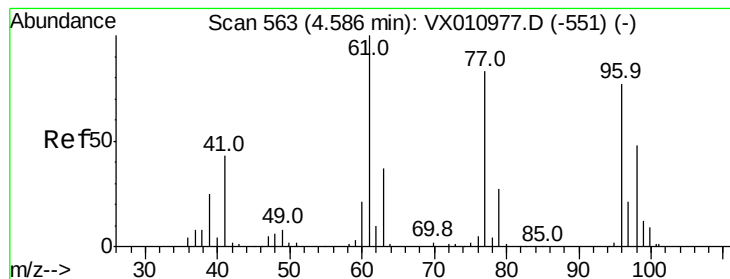
MMDadoda
 7/19/2019 9:56:27 AM



#30
 2-Butanone
 Concen: 70.249 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.5	6.8	10.2
72	29.0	23.2	34.8





#31

2,2-Dichloropropane

Concen: 15.212 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 50476

Ion Ratio Lower Upper

77 100

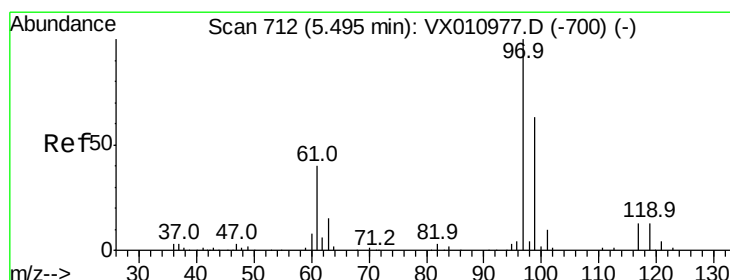
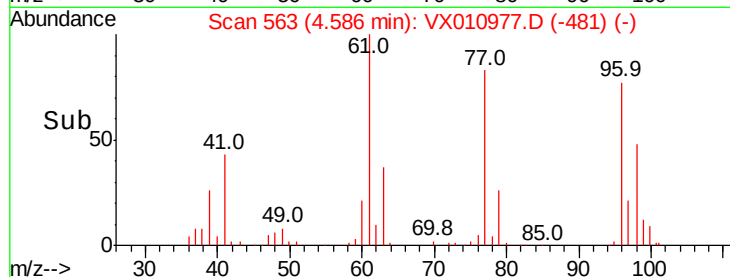
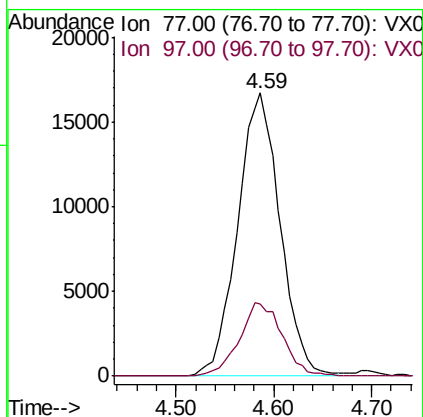
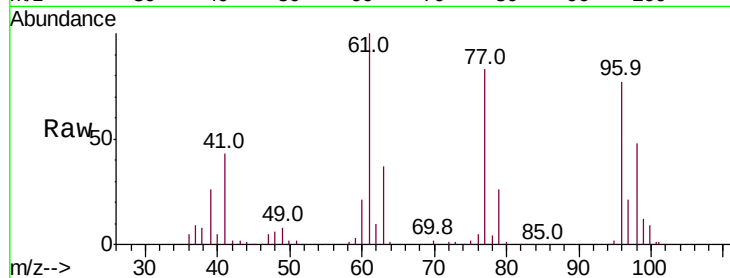
97 26.1 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

7/19/2019 9:56:27 AM



#32

1,1,1-Trichloroethane

Concen: 20.129 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

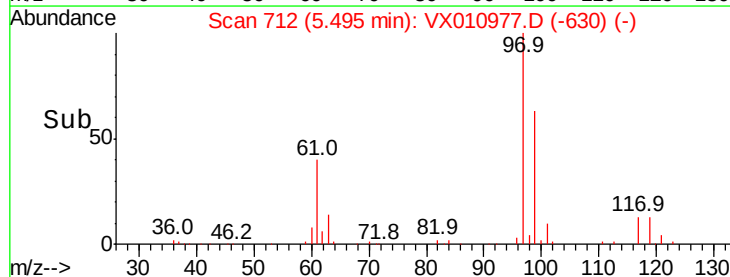
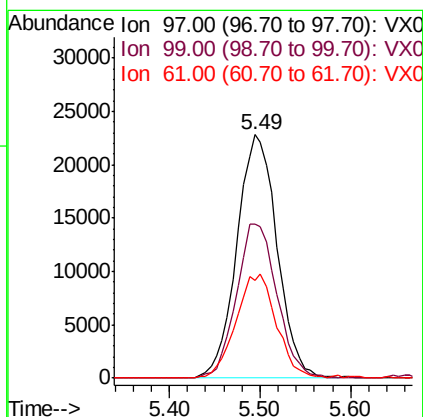
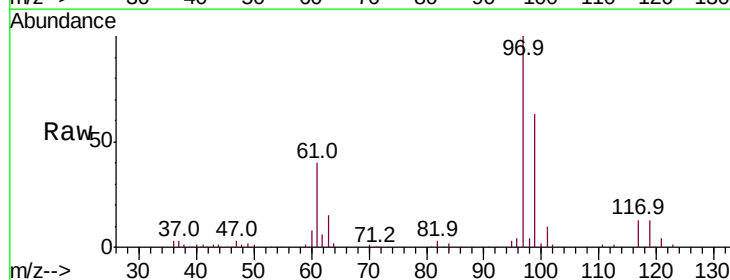
Tgt Ion: 97 Resp: 70084

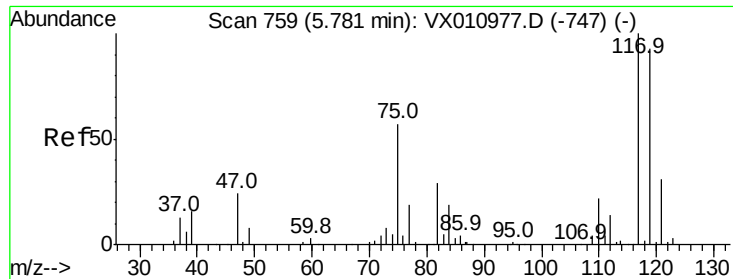
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 42.9 34.3 51.5





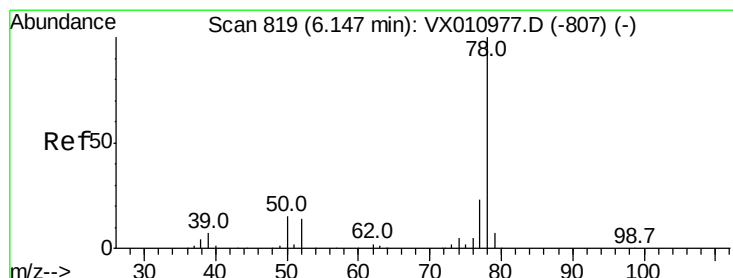
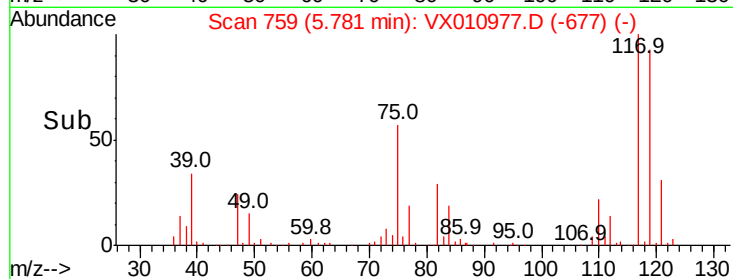
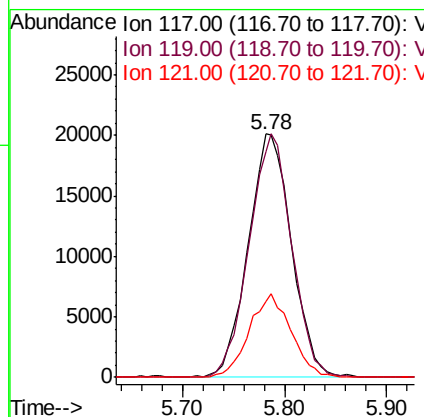
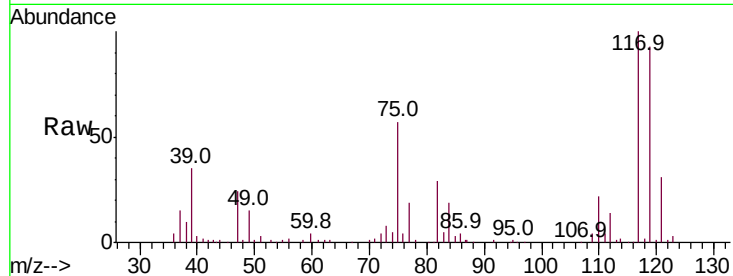
#33
Carbon Tetrachloride
Concen: 20.344 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.9	74.3	111.5
121	31.1	24.9	37.3

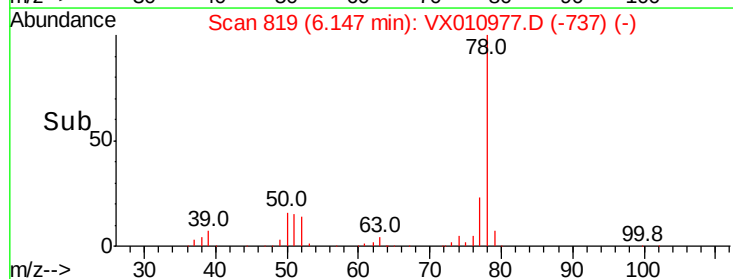
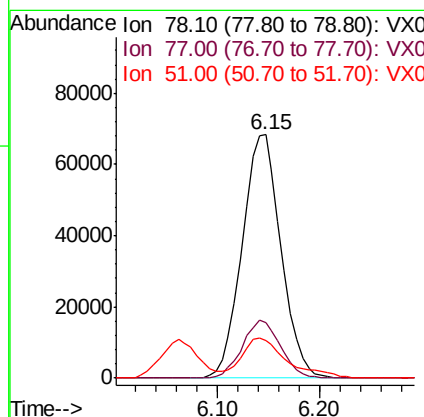
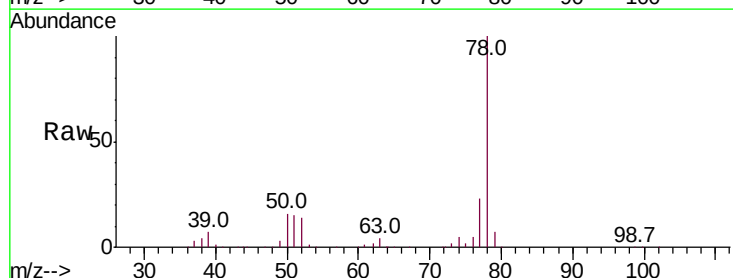
Manual Integrations
APPROVED

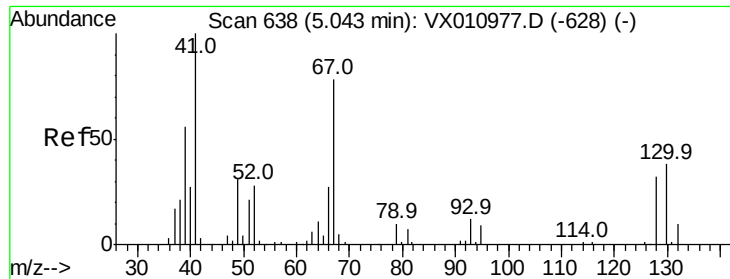
MMDadoda
7/19/2019 9:56:27 AM



#34
Benzene
Concen: 18.745 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.2	27.4
51	14.3	11.4	17.2





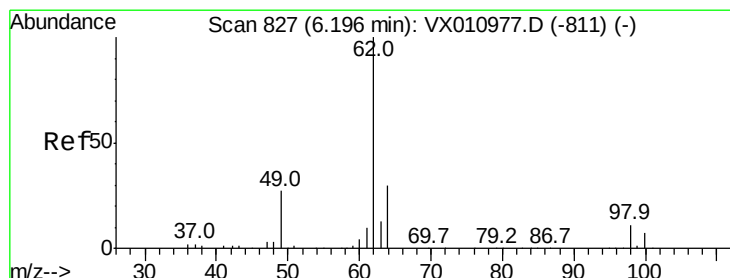
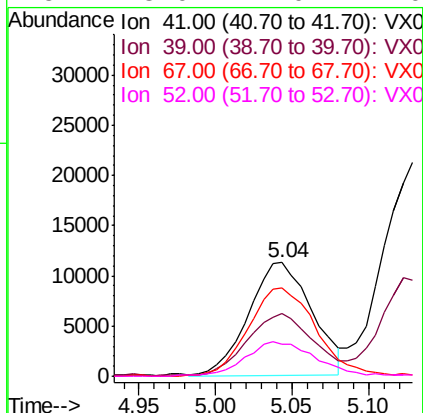
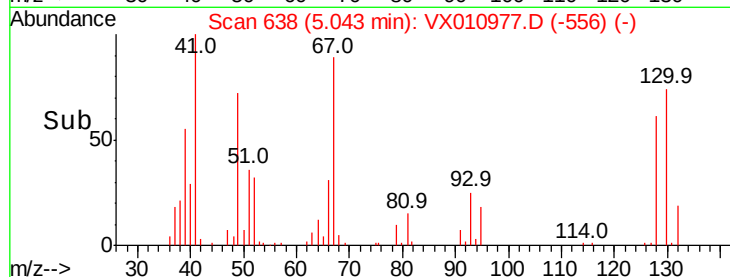
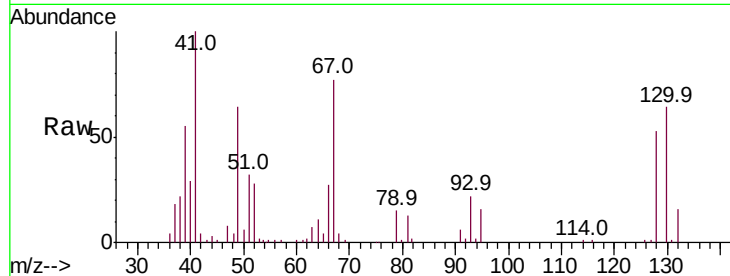
#35
Methacrylonitrile
Concen: 13.493 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	27.6	82.8	
67	78.1	39.1	117.2	
52	28.0	14.0	42.0	

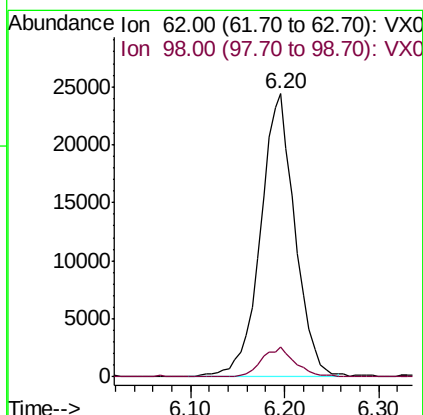
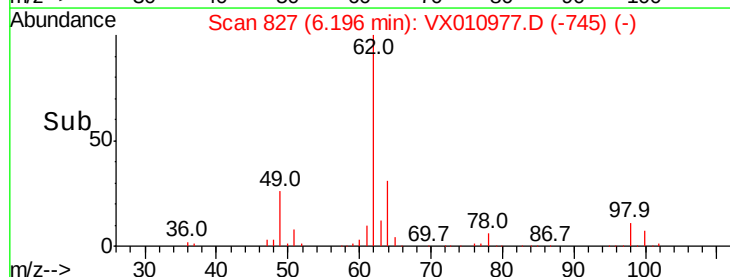
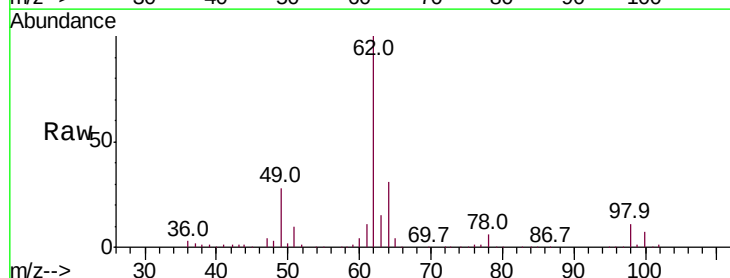
Manual Integrations
APPROVED

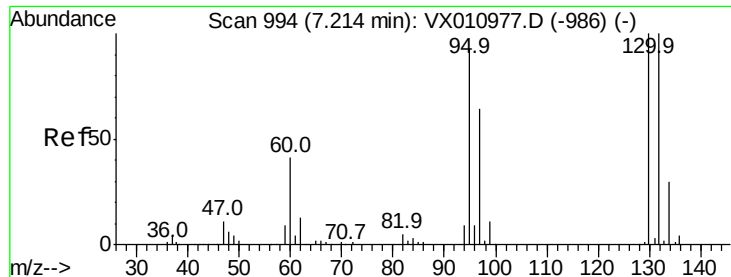
MMDadoda
7/19/2019 9:56:27 AM



#36
1,2-Dichloroethane
Concen: 18.030 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	8.0	12.0	





#37

Trichloroethene

Concen: 21.427 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:130 Resp: 51792

Ion Ratio Lower Upper

130 100

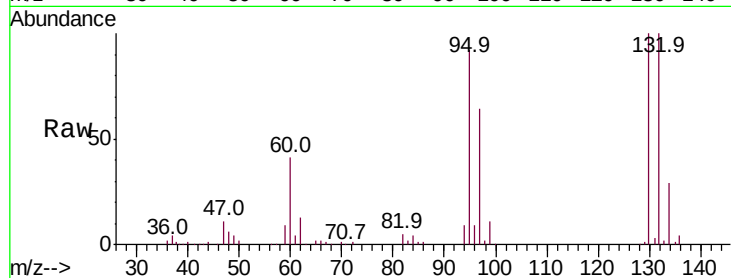
95 92.6 74.1 111.1

Manual Integrations

APPROVED

MMDadoda

7/19/2019 9:56:27 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

25000

20000

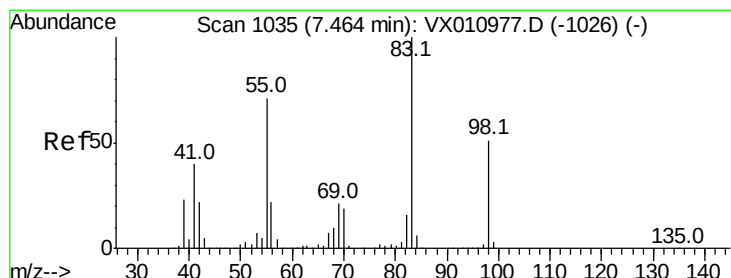
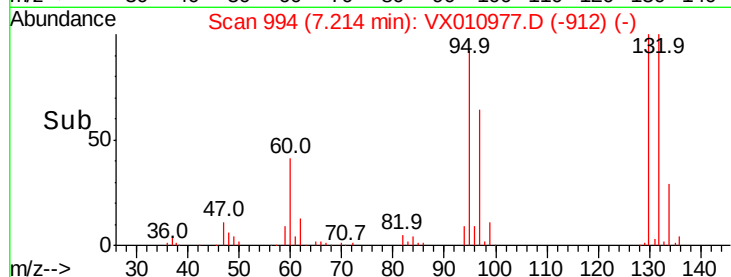
15000

10000

5000

0

Time-->



#38

Methylcyclohexane

Concen: 19.333 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

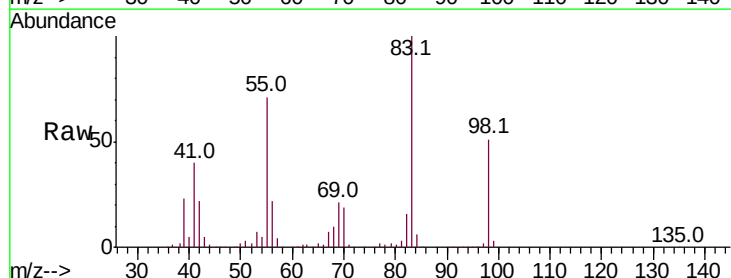
Tgt Ion: 83 Resp: 75574

Ion Ratio Lower Upper

83 100

55 70.6 35.3 105.9

98 48.0 24.0 72.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

40000

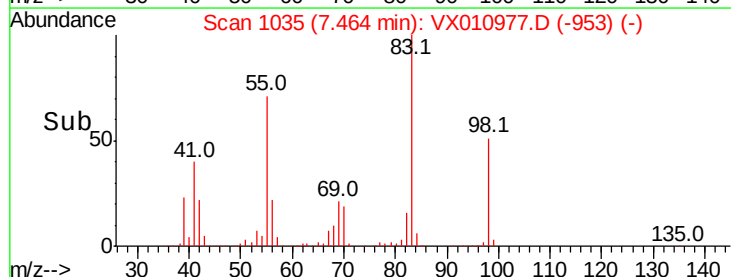
30000

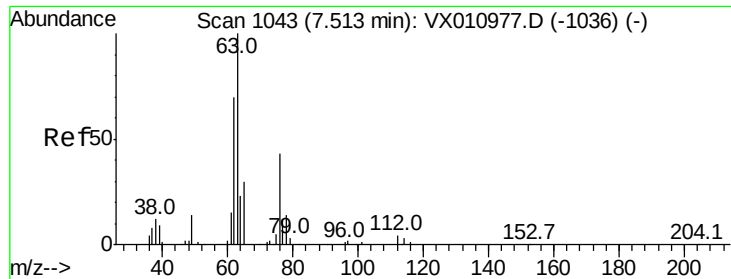
20000

10000

0

Time-->





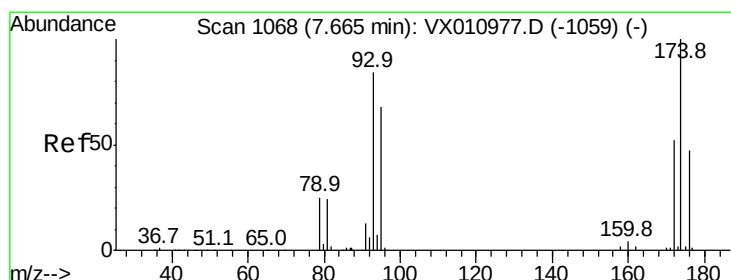
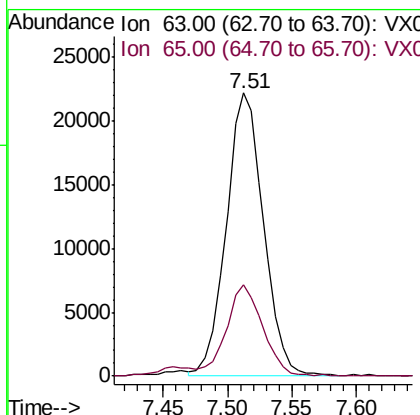
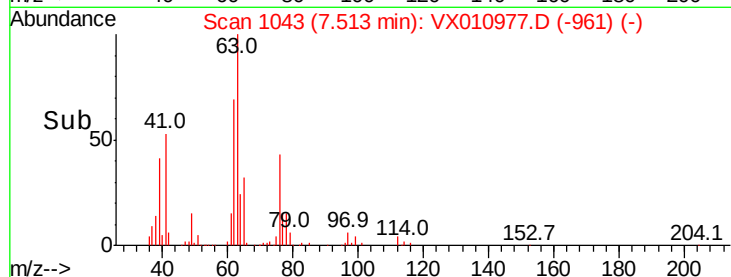
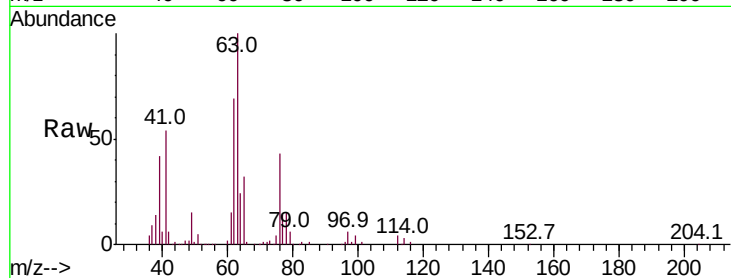
#39
 1,2-Dichloropropane
 Concen: 16.661 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.6	38.4

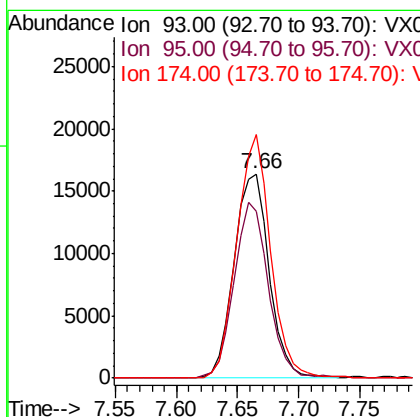
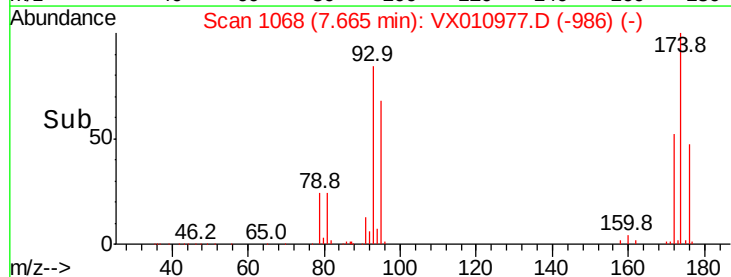
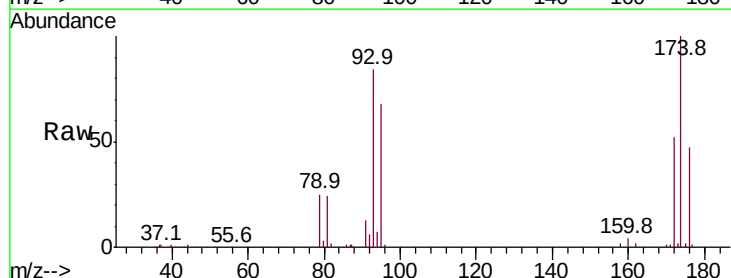
Manual Integrations
 APPROVED

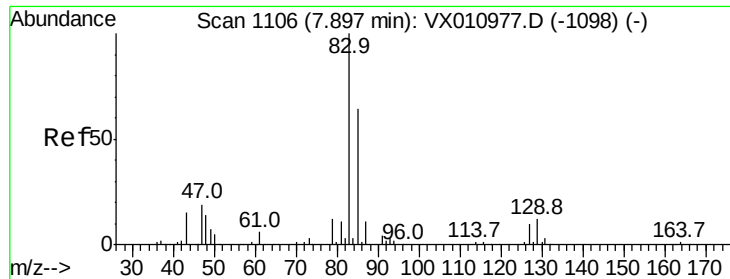
MMDadoda
 7/19/2019 9:56:27 AM



#40
 Dibromomethane
 Concen: 20.479 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	0.0	166.0
174	114.6	0.0	229.2





#41

Bromodichloromethane

Concen: 17.822 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

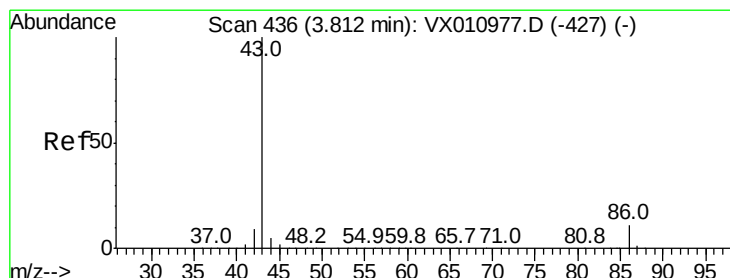
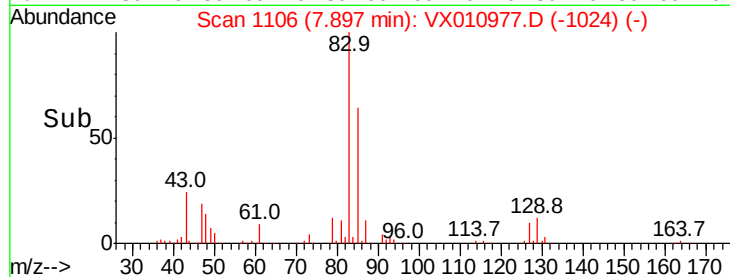
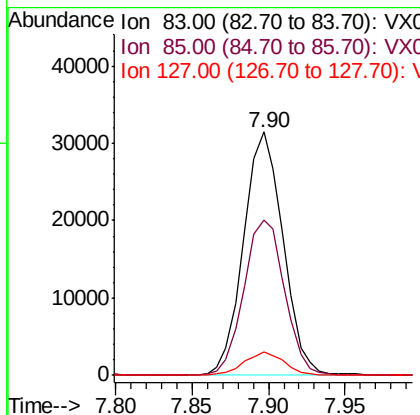
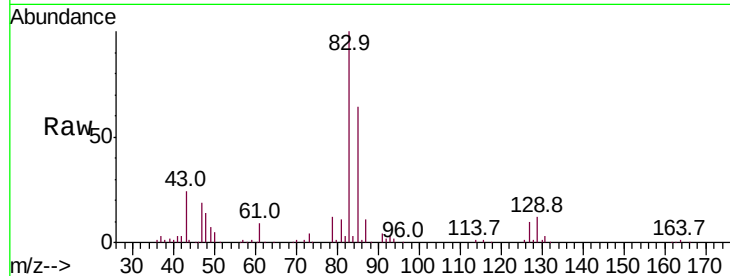
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	56533
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	9.6	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:56:27 AM



#42

Vinyl Acetate

Concen: 68.606 ug/l

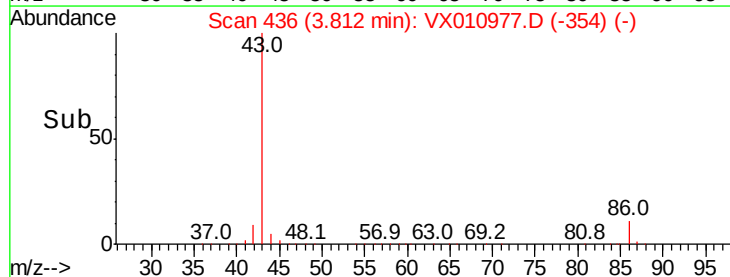
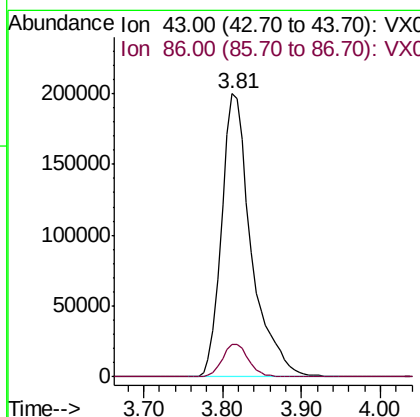
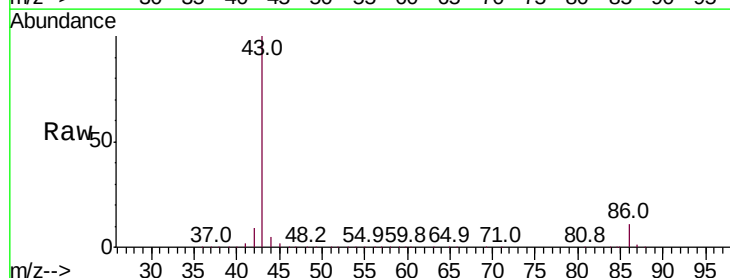
RT: 3.81 min Scan# 436

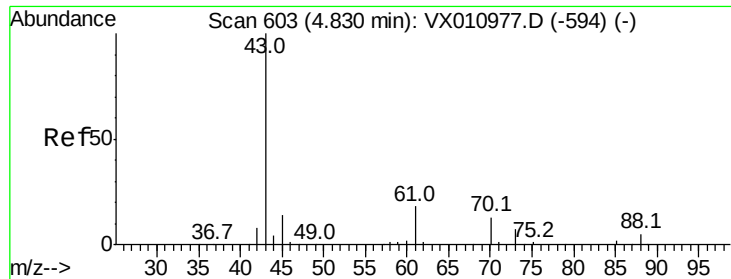
Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Tgt Ion:	43	Resp:	522749
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.2	12.2





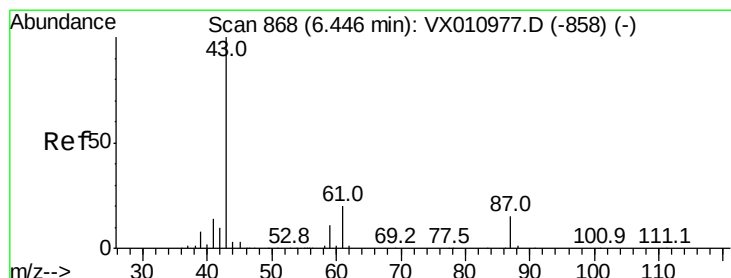
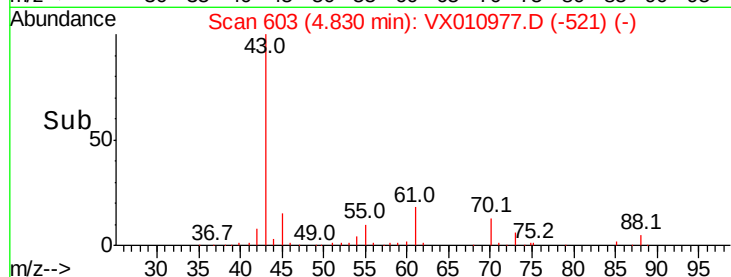
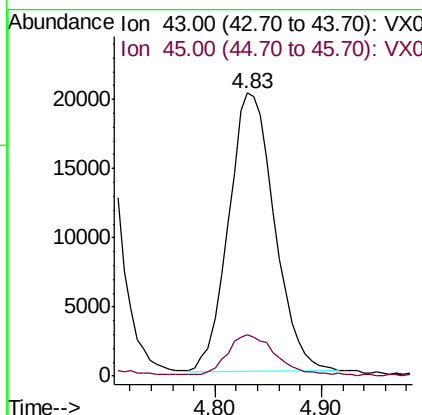
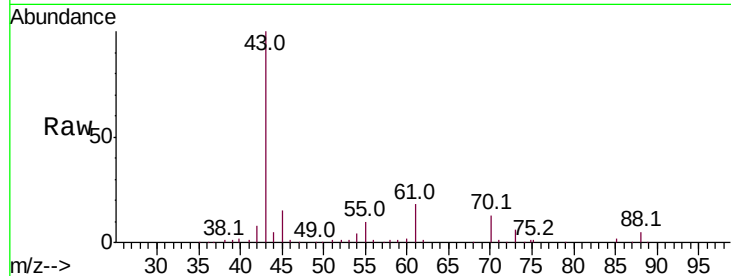
#43
Ethyl Acetate
Concen: 14.522 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	43	45	Ratio	100	15.1	Resp	60852	Lower	12.1	Upper	18.1
Ion	43	45	Ratio	100	15.1	Resp	60852	Lower	12.1	Upper	18.1

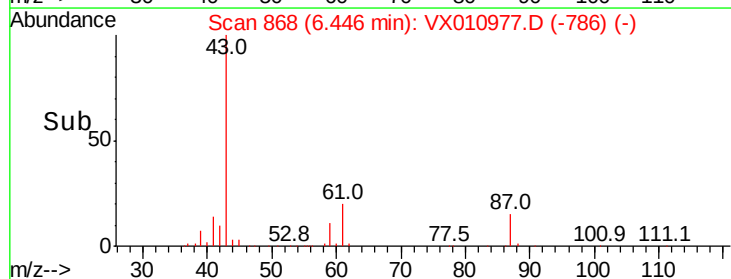
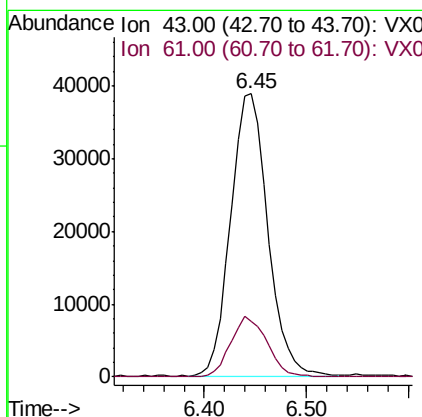
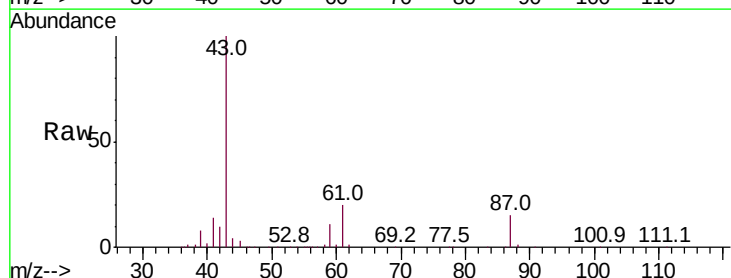
Manual Integrations
APPROVED

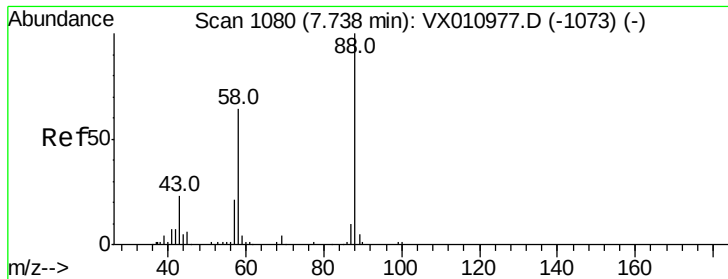
MMDadoda
7/19/2019 9:56:27 AM



#44
Isopropyl Acetate
Concen: 14.424 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	43	61	Ratio	100	20.9	Resp	99053	Lower	16.7	Upper	25.1
Ion	43	61	Ratio	100	20.9	Resp	99053	Lower	16.7	Upper	25.1





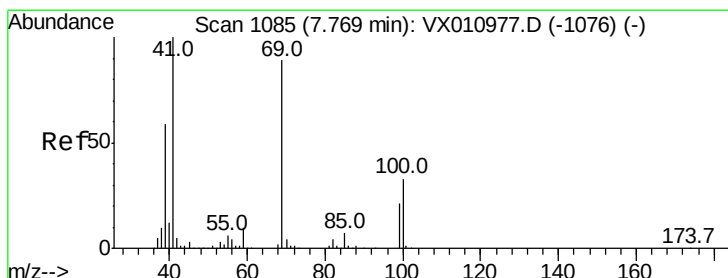
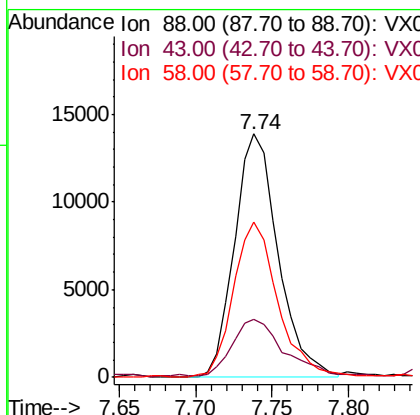
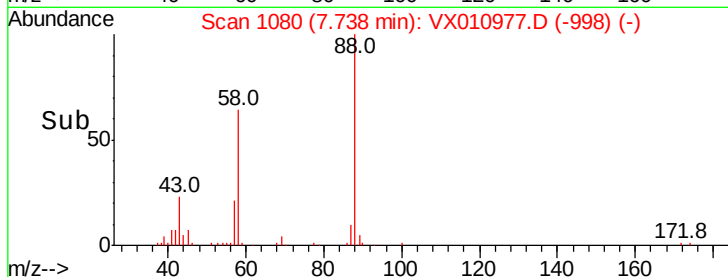
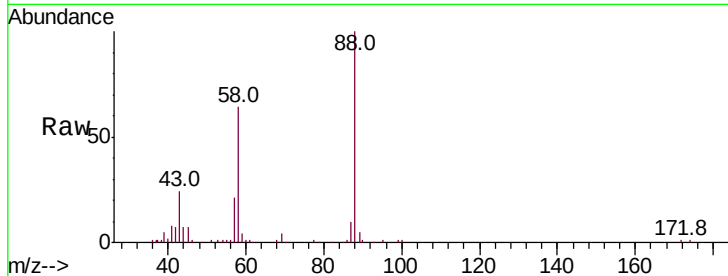
#45
1,4-Dioxane
Concen: 385.160 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.0	21.6	32.4
58	65.2	52.2	78.2

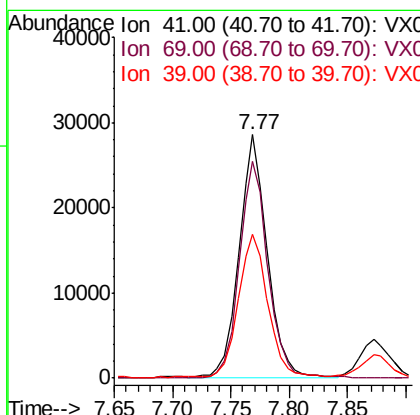
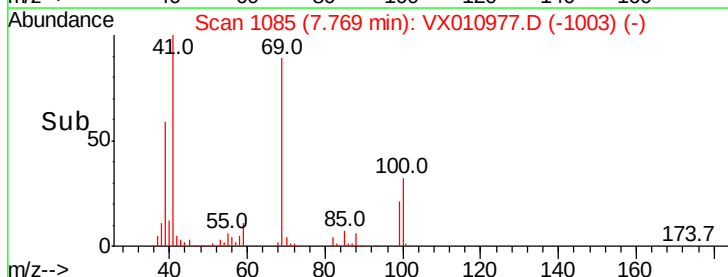
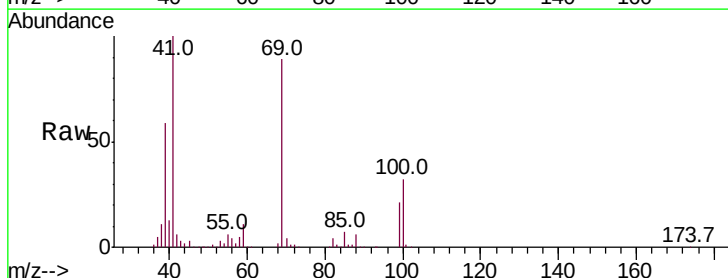
Manual Integrations
APPROVED

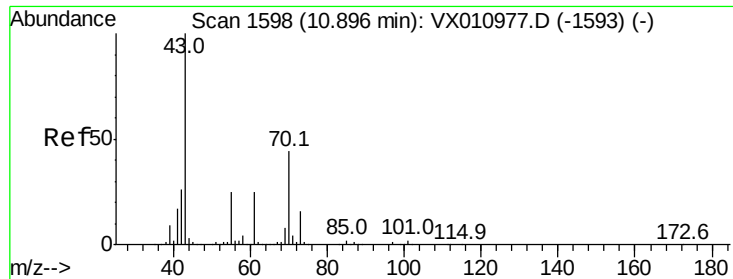
MMDadoda
7/19/2019 9:56:27 AM



#46
Methyl methacrylate
Concen: 14.039 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.4	44.7	134.1
39	58.8	29.4	88.2





#47

n-amvl Acetate

Concen: 14.131 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 87298

Ion Ratio Lower Upper

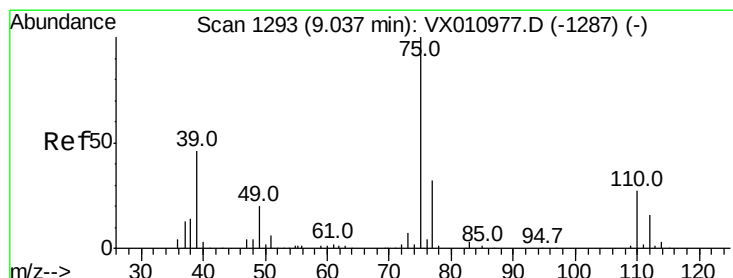
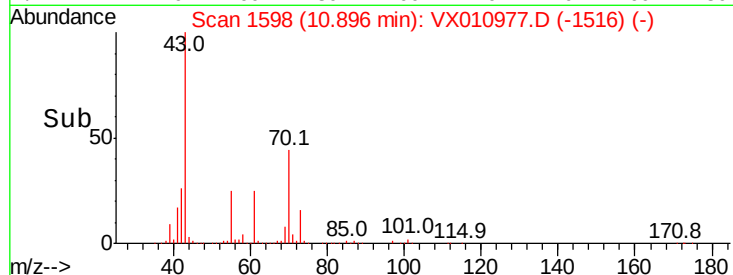
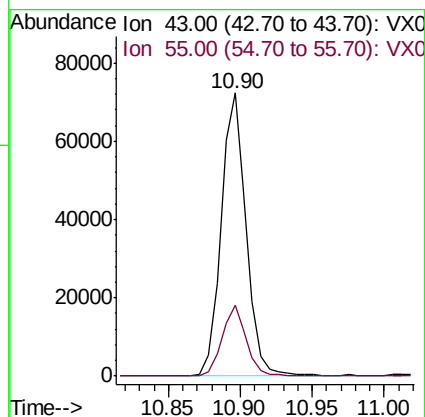
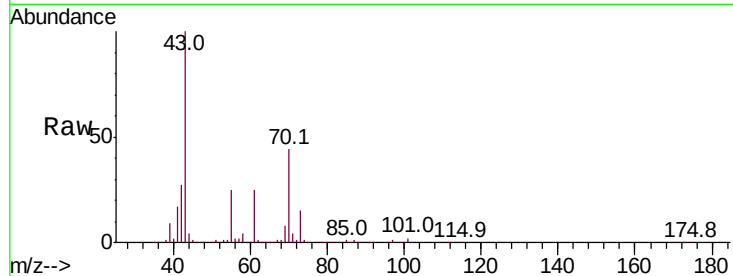
43 100

55 24.5 19.6 29.4

Manual Integrations
APPROVED

MMDadoda

7/19/2019 9:56:27 AM



#48

t-1,3-Dichloropropene

Concen: 16.004 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX010977.D

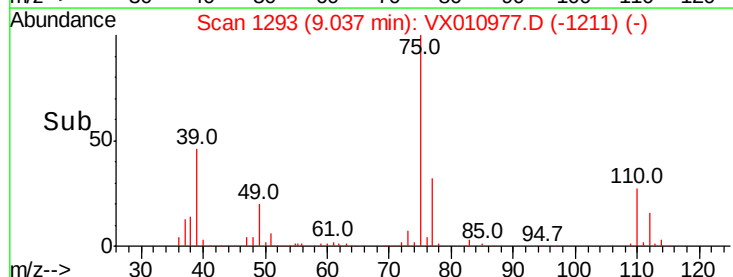
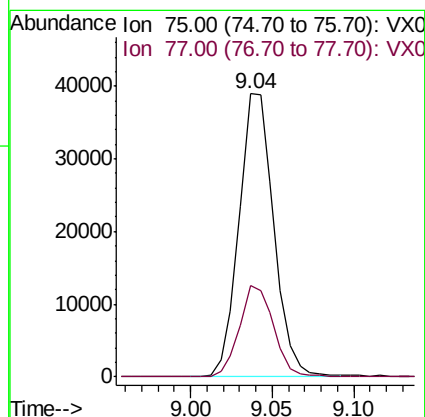
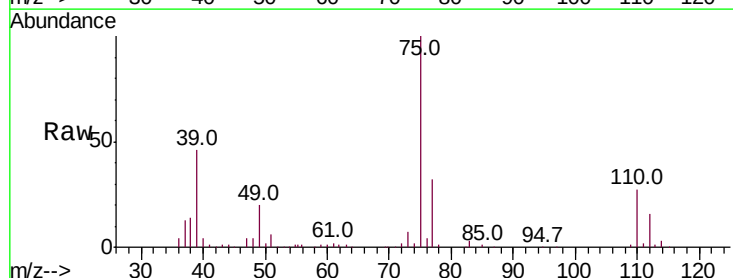
Acq: 18 Jul 2019 22:45

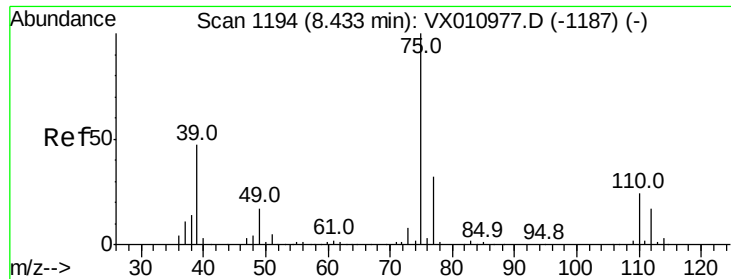
Tgt Ion: 75 Resp: 58230

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5





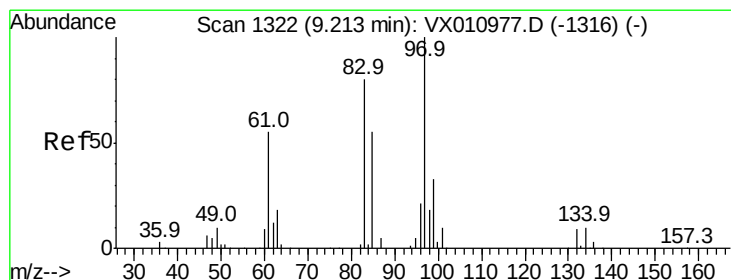
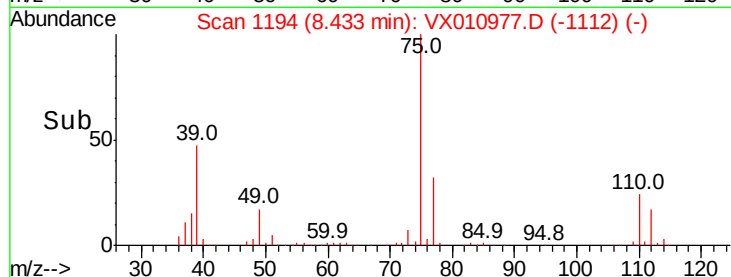
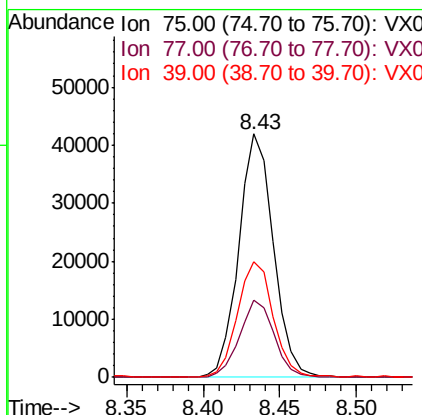
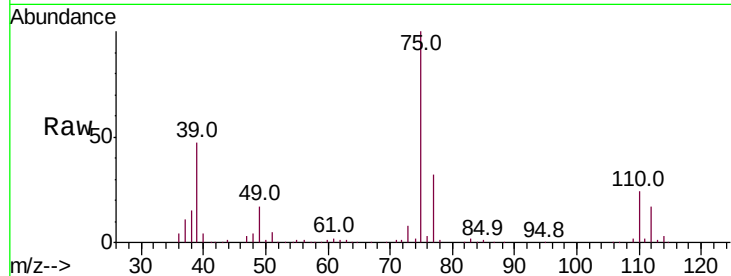
#49
 cis-1,3-Dichloropropene
 Concen: 16.489 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	47.2	37.8	56.6

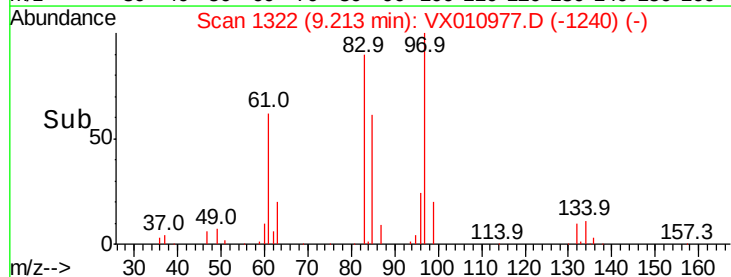
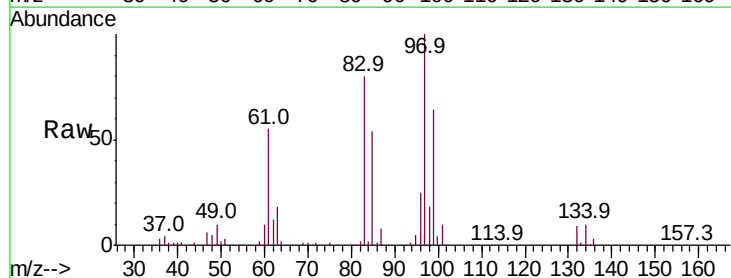
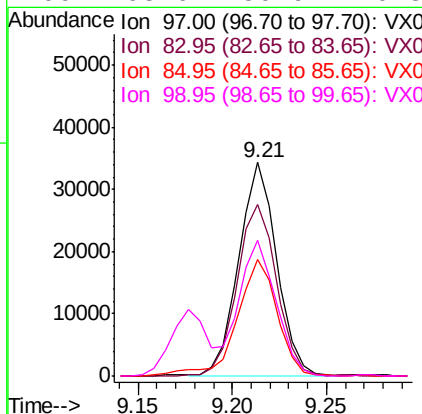
Manual Integrations
 APPROVED

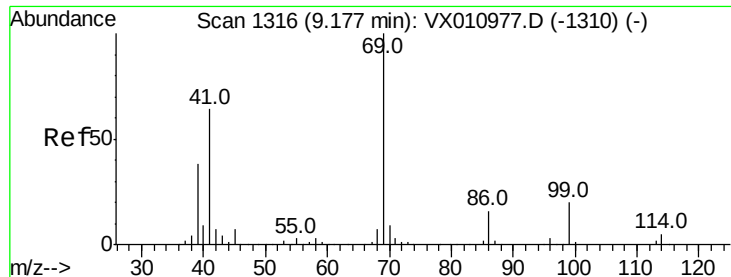
MMDadoda
 7/19/2019 9:56:27 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.788 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.9	63.9	95.9
85	54.3	43.4	65.2
99	63.6	50.9	76.3





#51

Ethyl methacrylate

Concen: 16.546 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

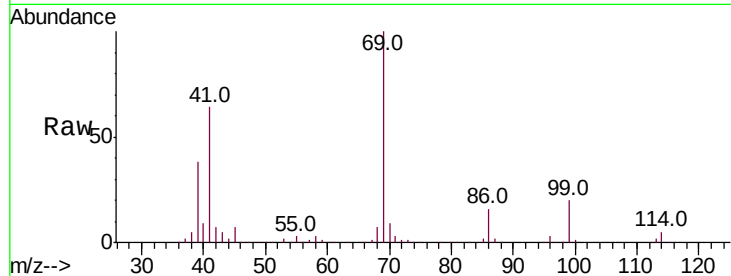
ClientSampleId :

VSTDICCC020

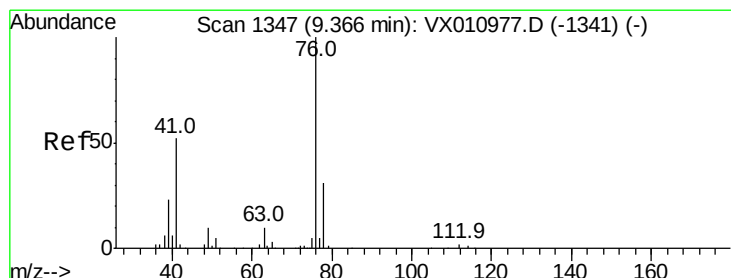
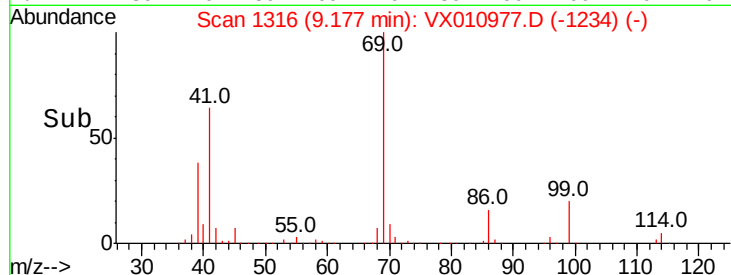
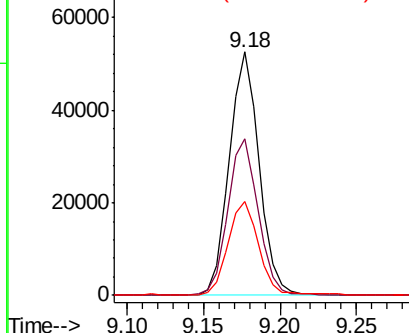
Tot Ion:	69	Resp:	71560
Ion Ratio	Lower	Upper	
69	100		
41	64.2	32.1	96.3
39	38.2	19.1	57.3

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:56:27 AM



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 18.341 ug/l

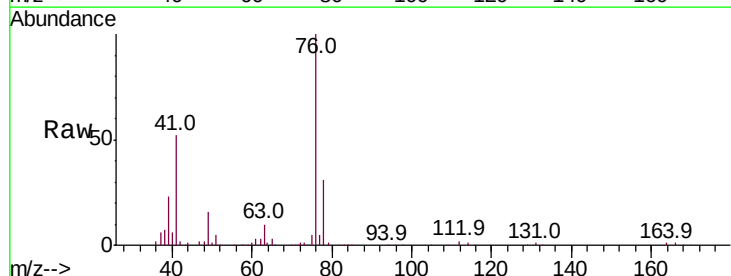
RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

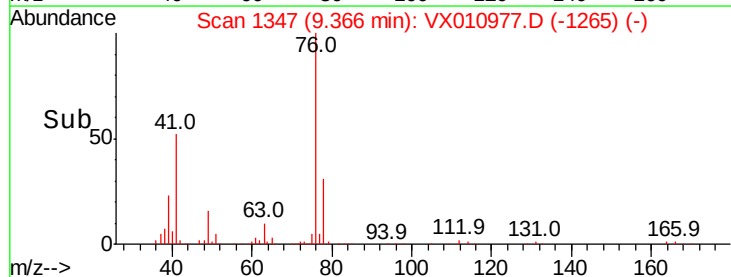
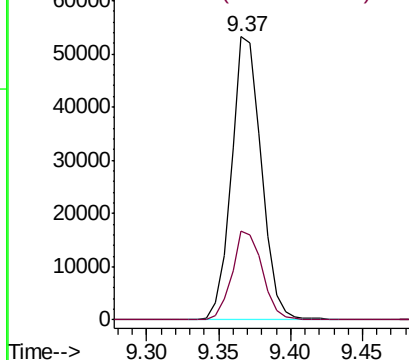
Lab File: VX010977.D

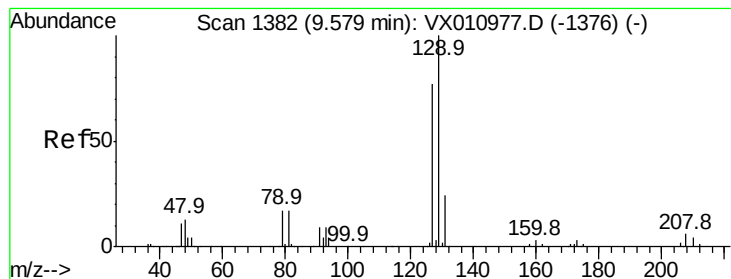
Acq: 18 Jul 2019 22:45

Tgt Ion:	76	Resp:	77510
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	63.8



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.966 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:129 Resp: 48731

Ion Ratio Lower Upper

129 100

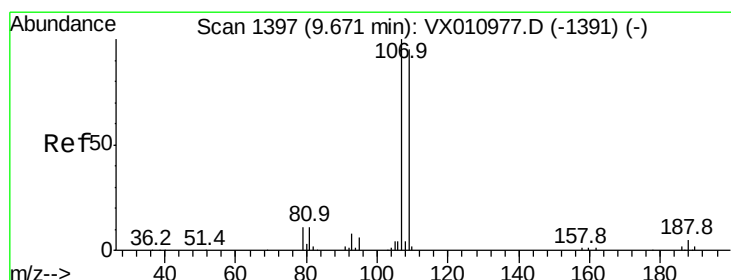
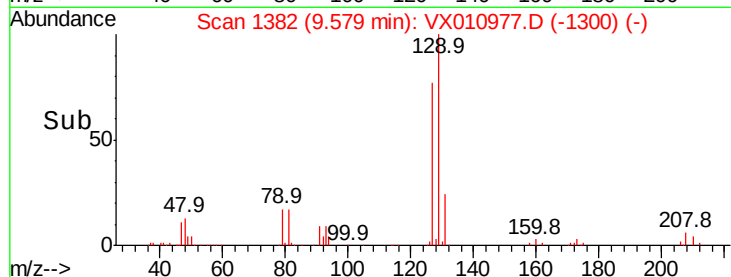
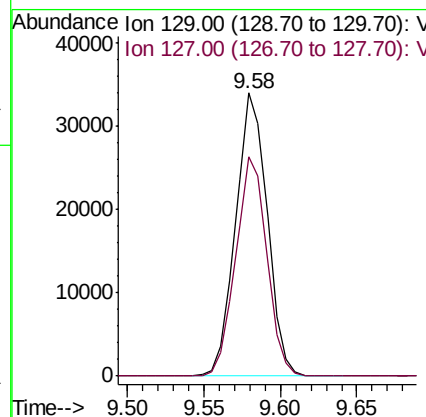
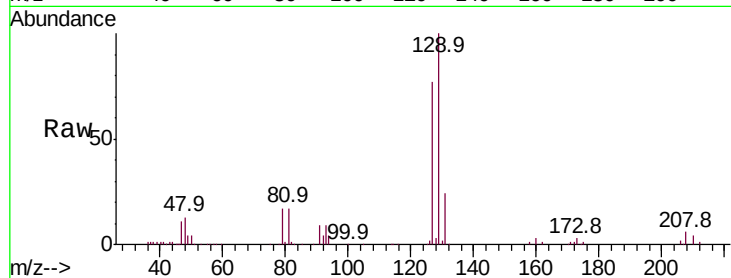
127 76.2 38.1 114.3

Manual Integrations

APPROVED

MMDadoda

7/19/2019 9:56:27 AM



#54

1,2-Dibromoethane

Concen: 20.439 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010977.D

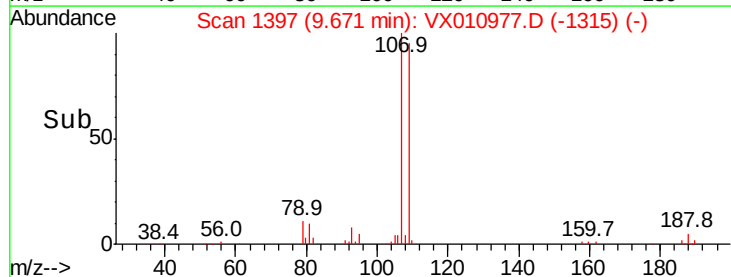
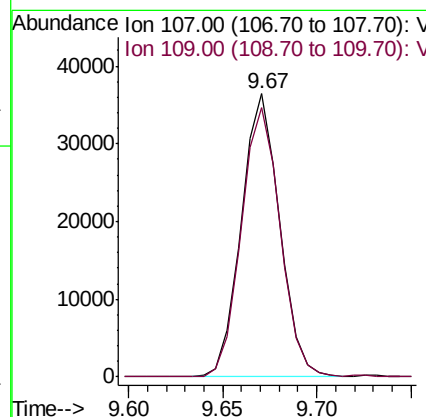
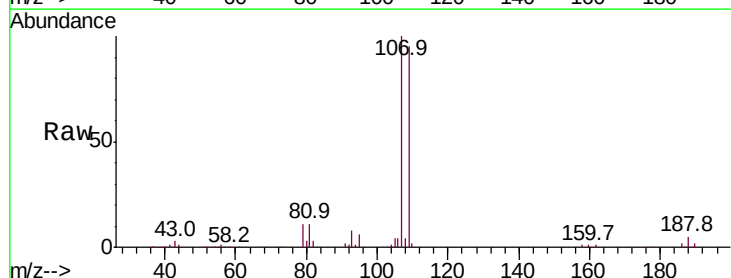
Acq: 18 Jul 2019 22:45

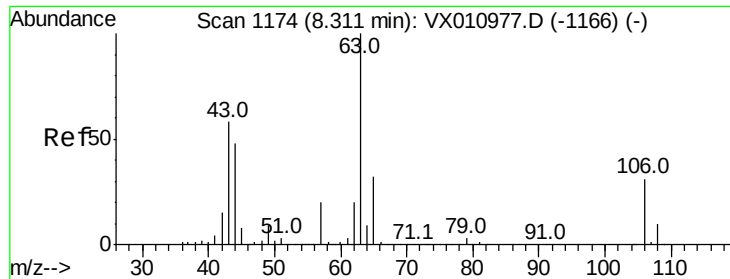
Tgt Ion:107 Resp: 51362

Ion Ratio Lower Upper

107 100

109 96.4 77.1 115.7





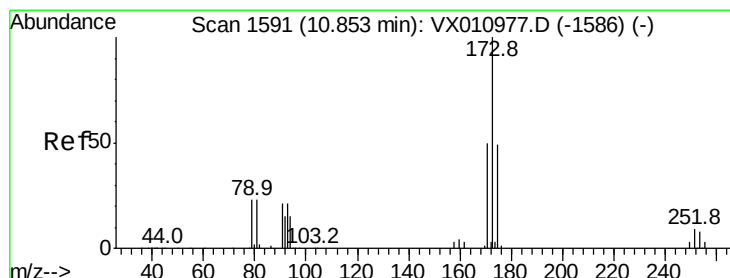
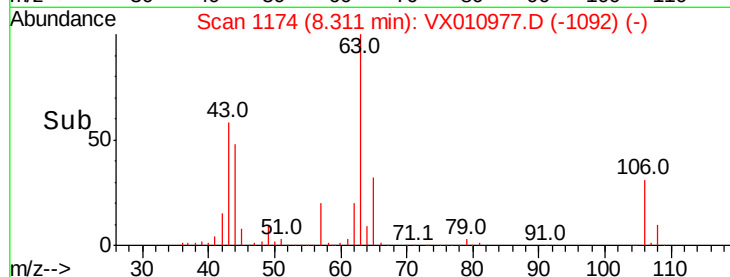
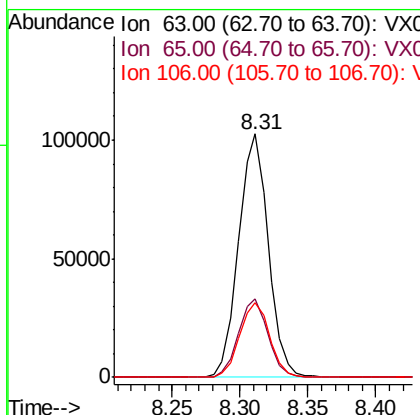
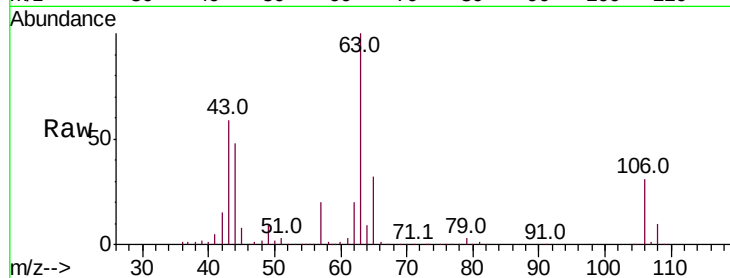
#55
2-Chloroethyl vinyl ether
Concen: 70.946 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5
106	31.0	24.8	37.2

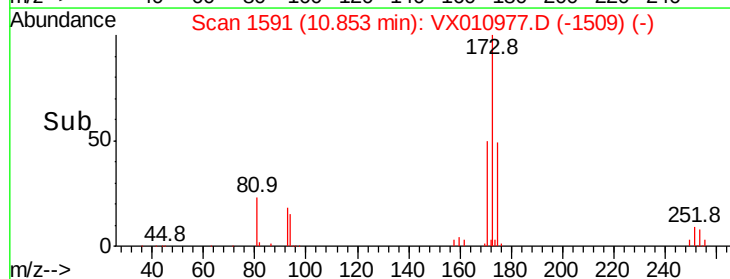
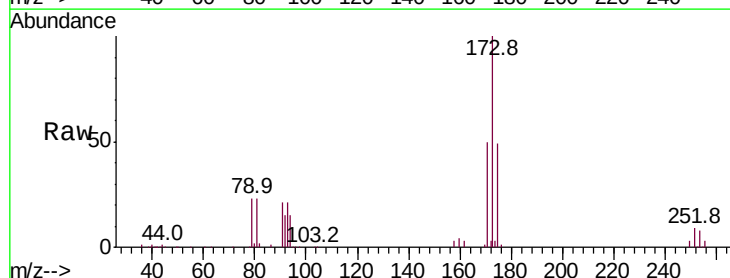
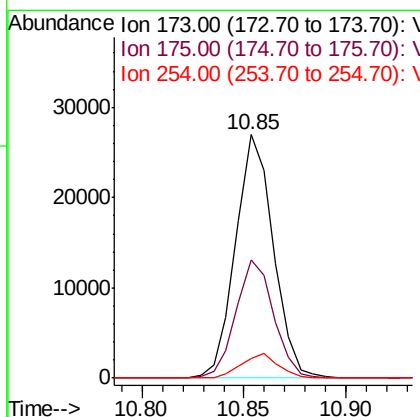
Manual Integrations
APPROVED

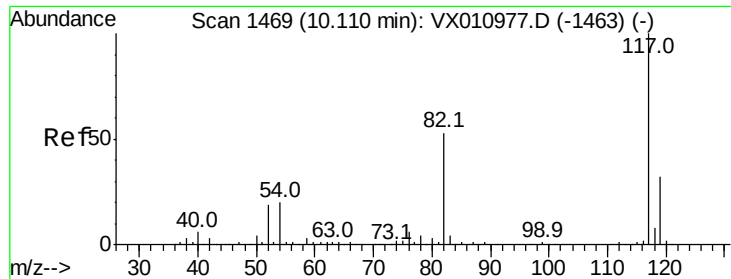
MMDadoda
7/19/2019 9:56:27 AM



#56
Bromoform
Concen: 18.698 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.6
254	9.9	7.9	11.9





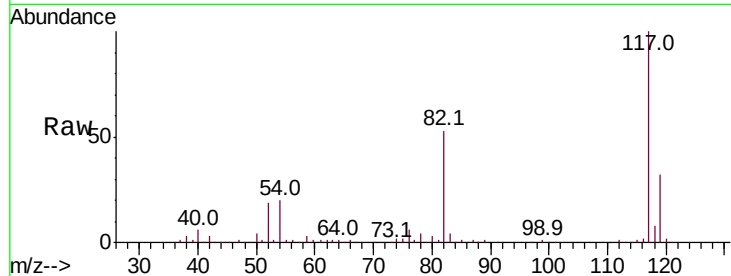
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	193469		
82	52.0		41.6	62.4
119	32.5		26.0	39.0

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:56:27 AM

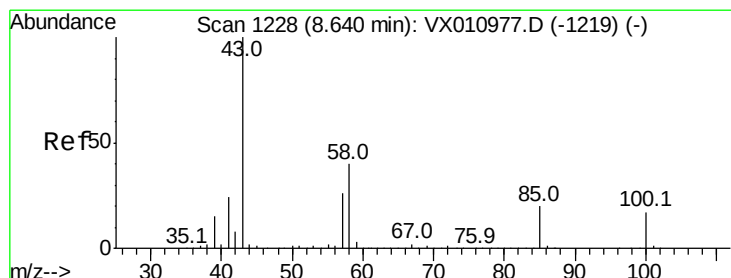
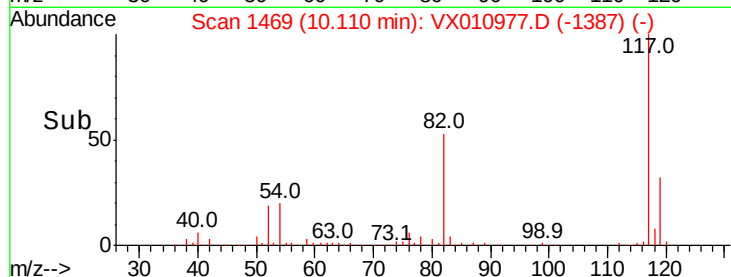
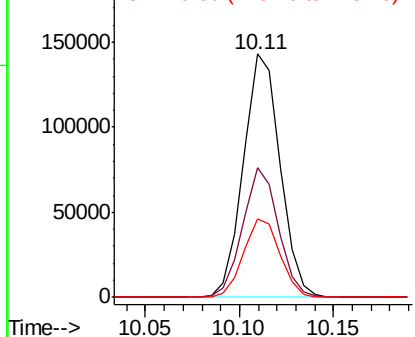


Abundance

Ion 117.00 (116.70 to 117.70): V

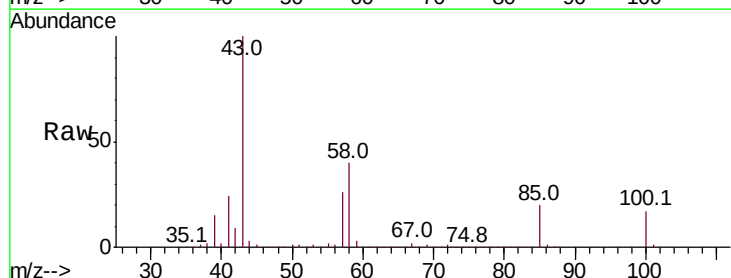
Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 73.091 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	326244		
58	40.7		32.6	48.8
85	19.7		15.8	23.6

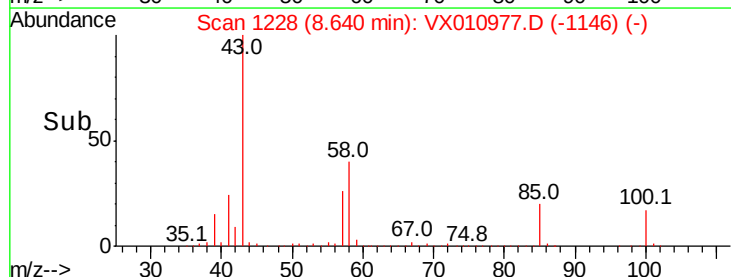
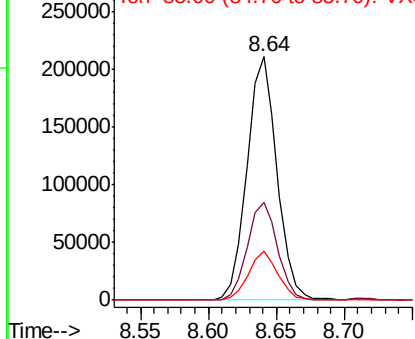


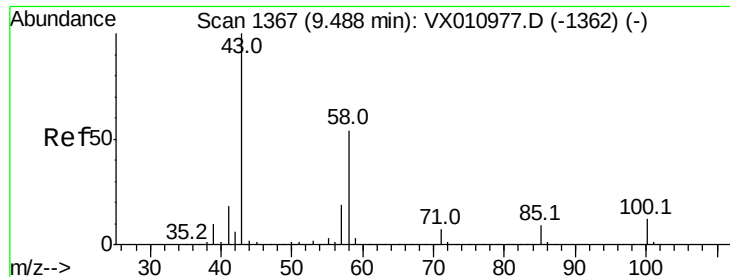
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





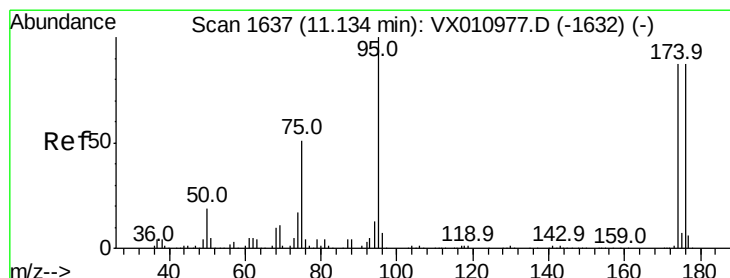
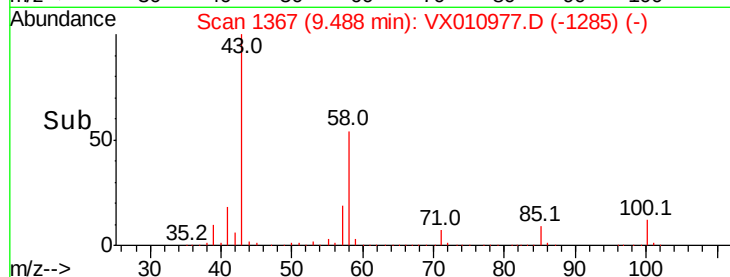
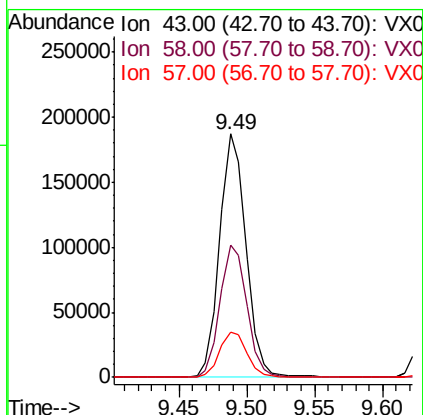
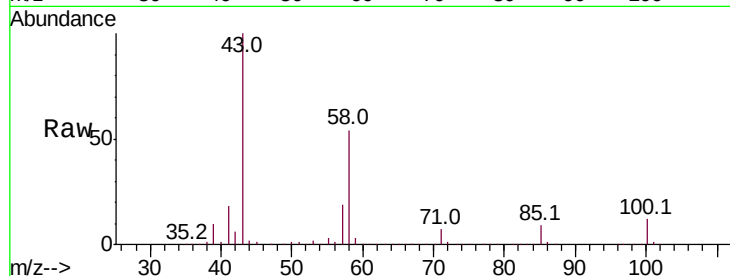
#59
2-Hexanone
Concen: 71.897 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	44.7	67.1
57	19.3	15.4	23.2

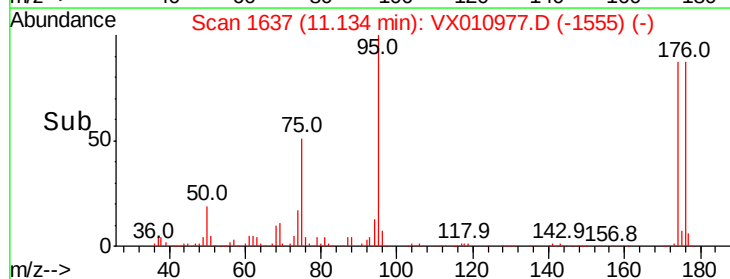
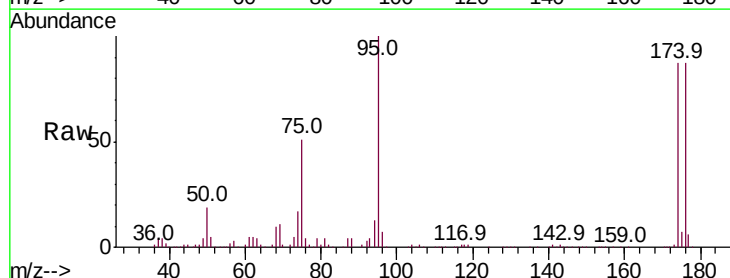
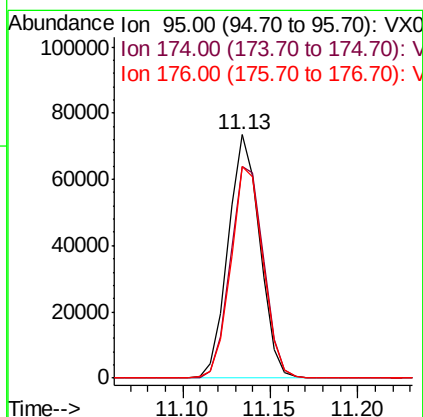
Manual Integrations
APPROVED

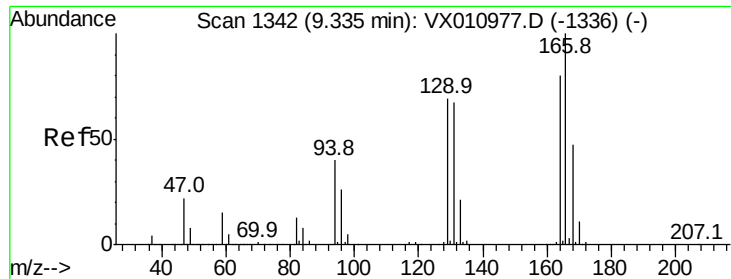
MMDadoda
7/19/2019 9:56:27 AM



#60
4-Bromofluorobenzene
Concen: 28.438 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	73.3	109.9
176	89.0	71.2	106.8





#61

Tetrachloroethene

Concen: 23.449 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 52278

Ion Ratio Lower Upper

164 100

166 125.1 100.1 150.1

129 87.0 69.6 104.4

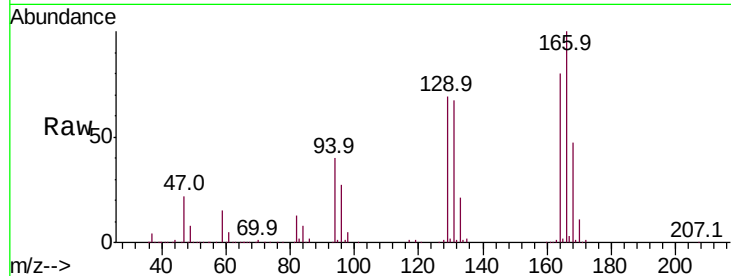
131 83.8 67.0 100.6

Manual Integrations

APPROVED

MMDadoda

7/19/2019 9:56:27 AM

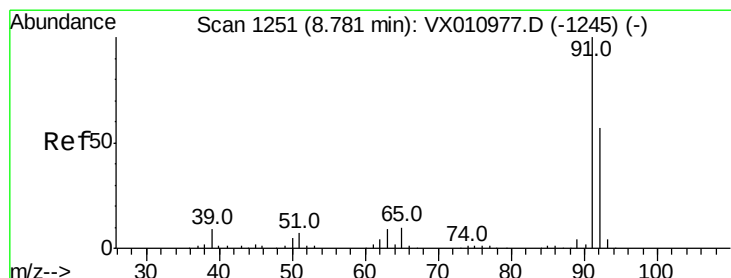
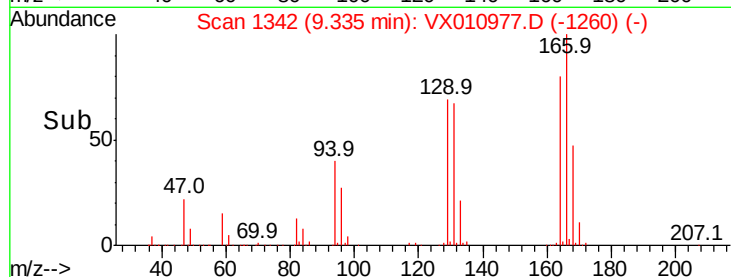
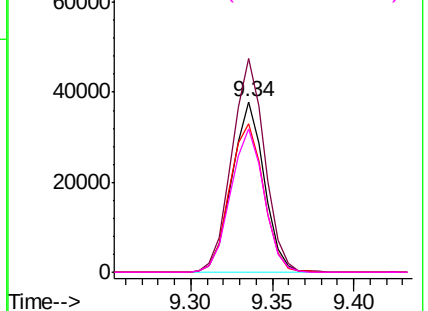


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.960 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010977.D

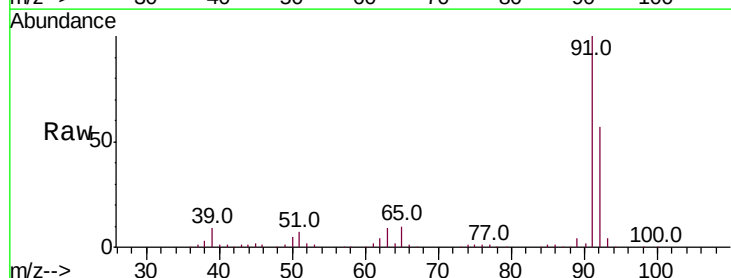
Acq: 18 Jul 2019 22:45

Tgt Ion: 91 Resp: 205973

Ion Ratio Lower Upper

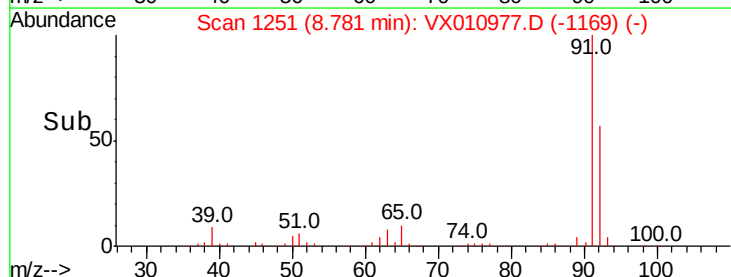
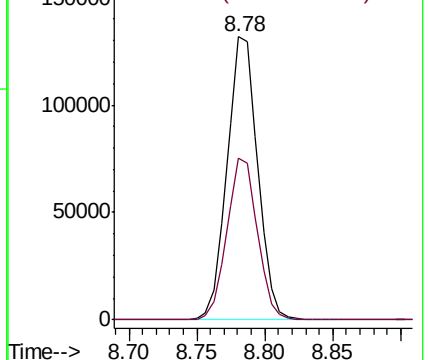
91 100

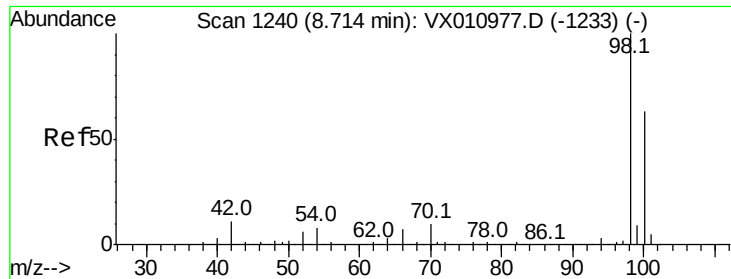
92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





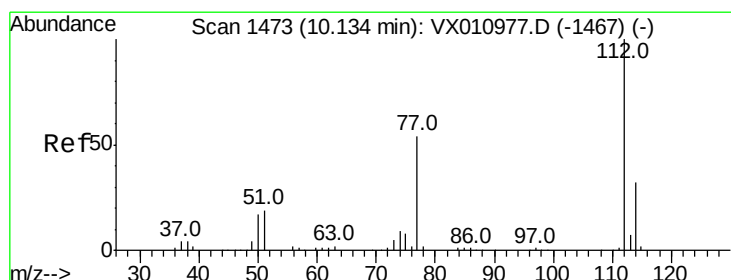
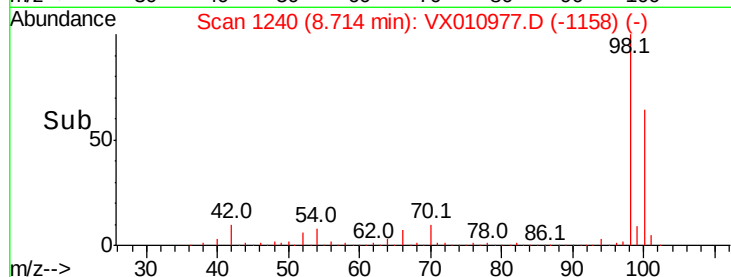
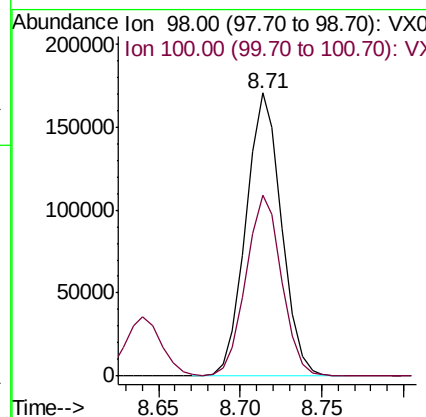
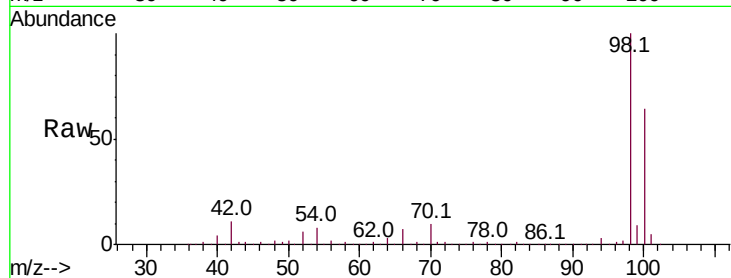
#63
Toluene-d8
Concen: 28.655 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 258666
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0

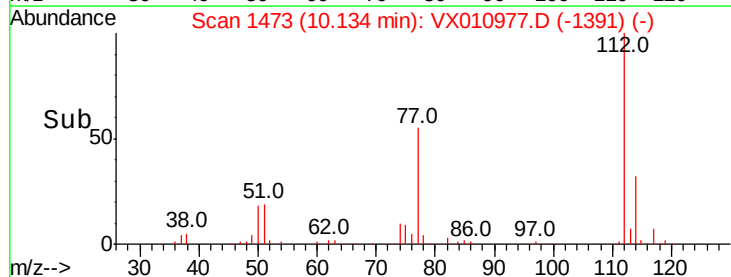
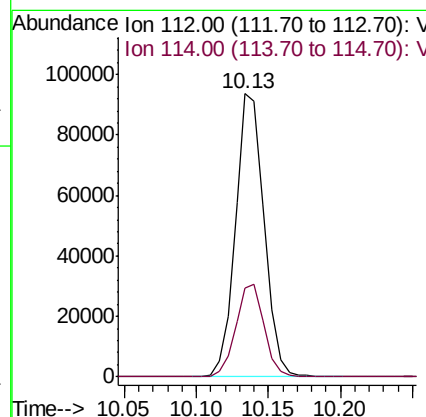
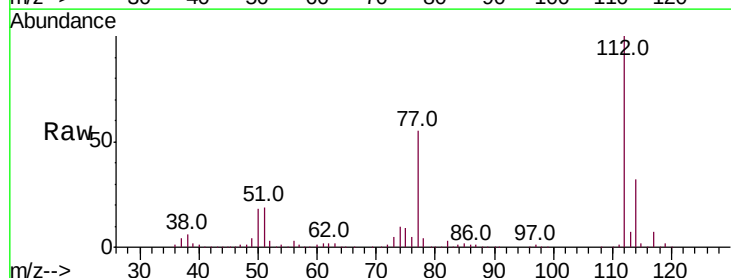
Manual Integrations
APPROVED

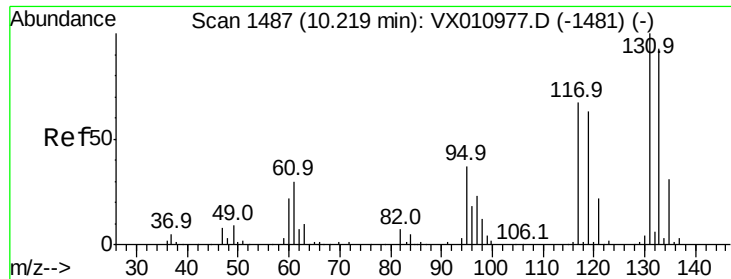
MMDadoda
7/19/2019 9:56:27 AM



#64
Chlorobenzene
Concen: 20.689 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion: 112 Resp: 130318
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.200 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:131 Resp: 46434

Ion Ratio Lower Upper

131 100

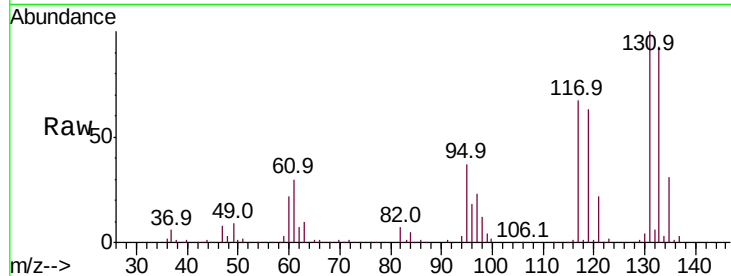
133 95.1 0.0 190.2

119 63.5 0.0 127.0

Manual Integrations
APPROVED

MMDadoda

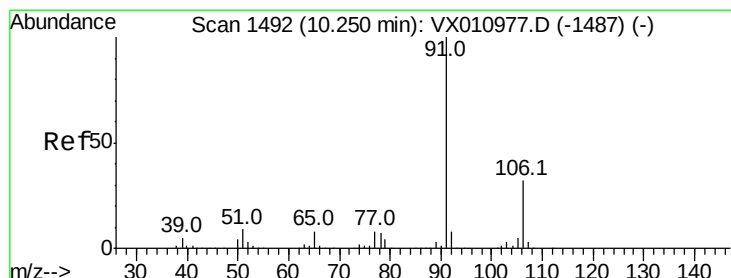
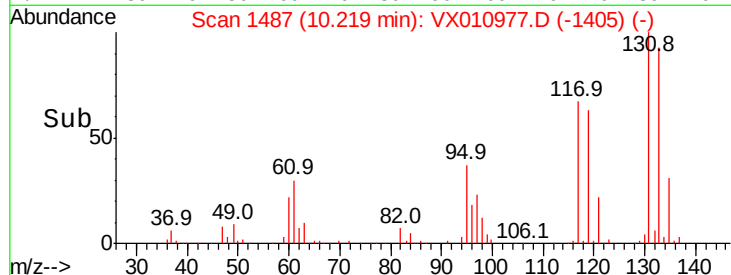
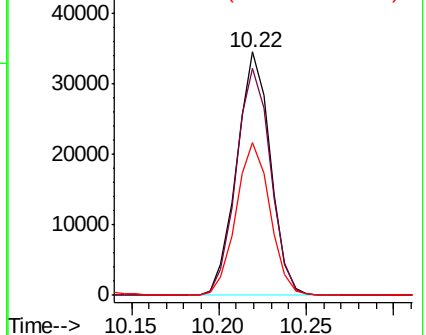
7/19/2019 9:56:27 AM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.919 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010977.D

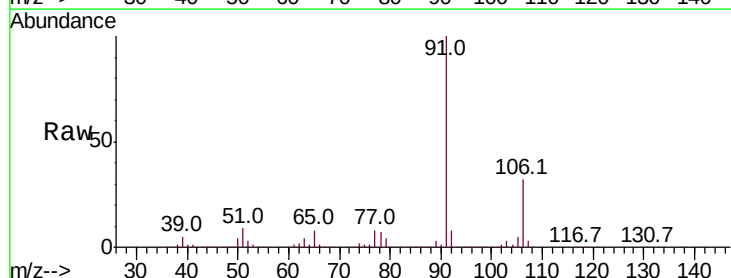
Acq: 18 Jul 2019 22:45

Tgt Ion: 91 Resp: 229433

Ion Ratio Lower Upper

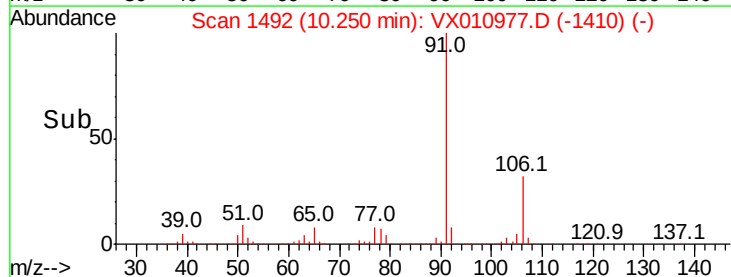
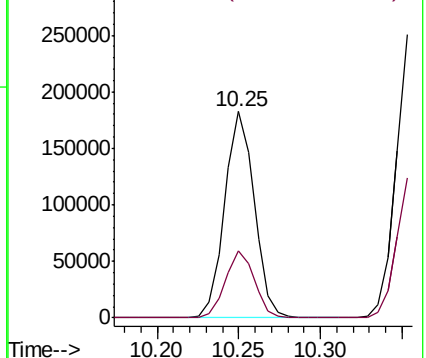
91 100

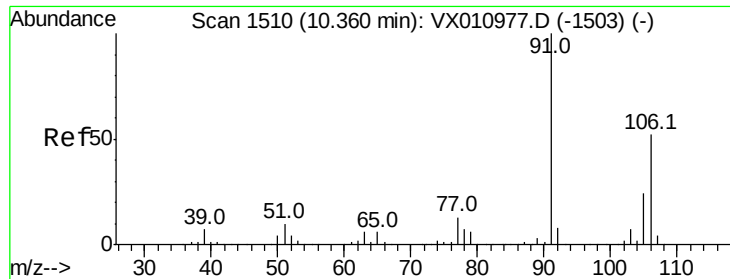
106 32.3 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 41.924 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 178748

Ion Ratio Lower Upper

106 100

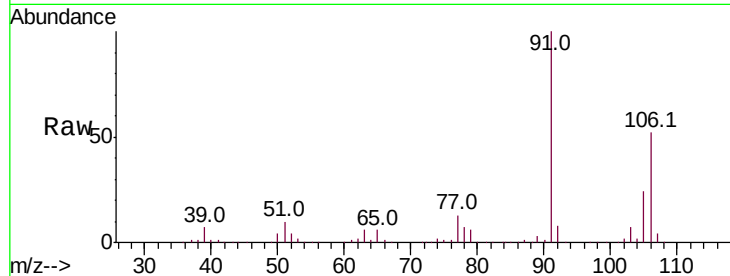
91 195.8 156.6 235.0

Manual Integrations

APPROVED

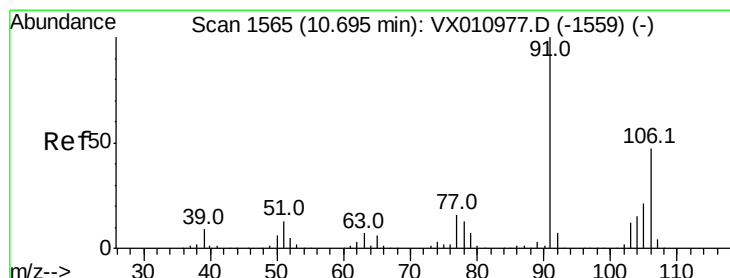
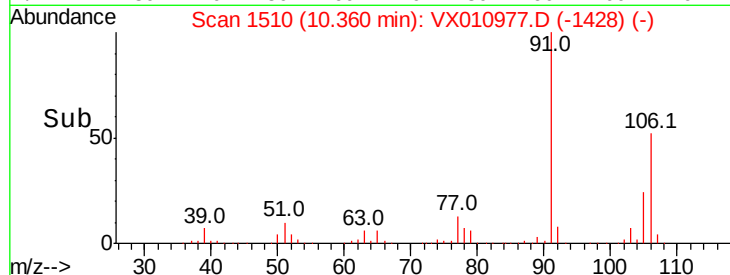
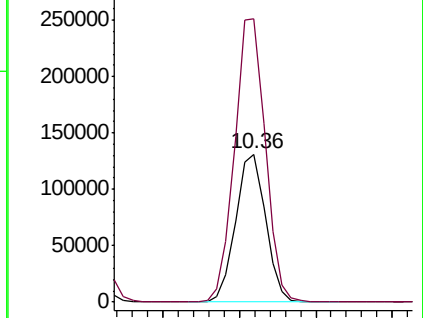
MMDadoda

7/19/2019 9:56:27 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.604 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX010977.D

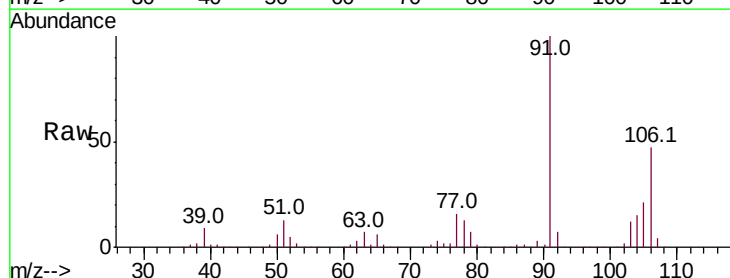
Acq: 18 Jul 2019 22:45

Tgt Ion:106 Resp: 86232

Ion Ratio Lower Upper

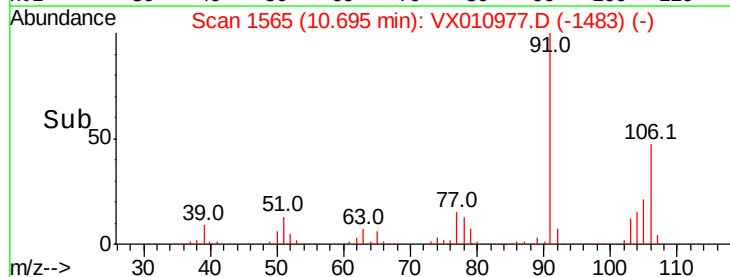
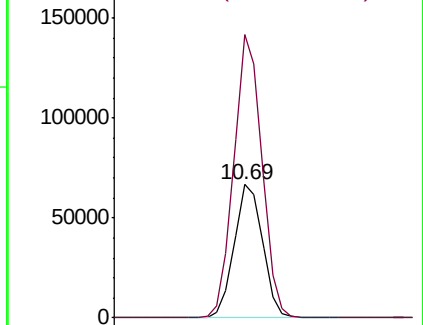
106 100

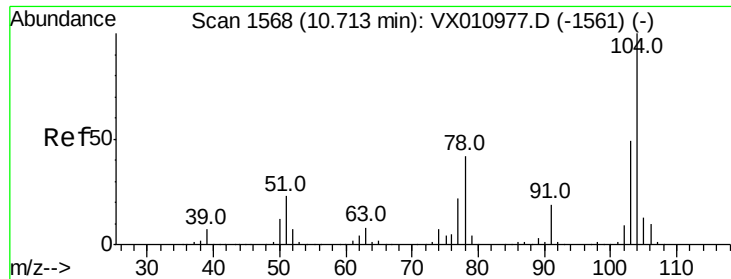
91 208.0 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





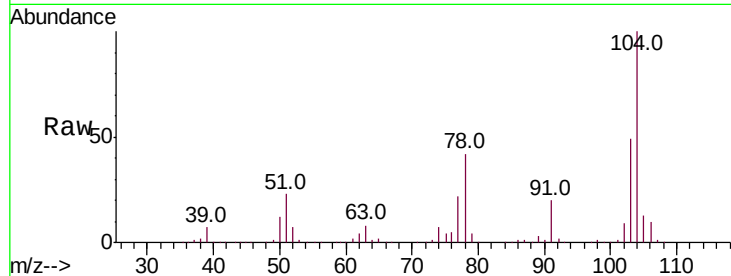
#69
Stvrene
Concen: 19.687 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

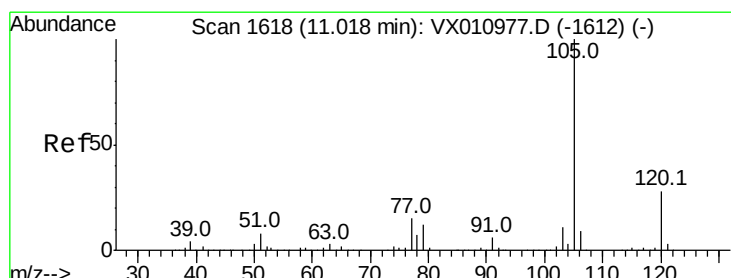
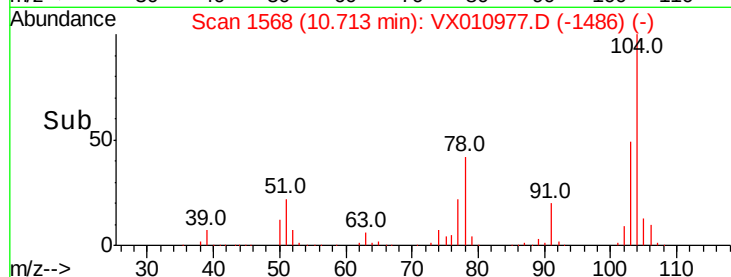
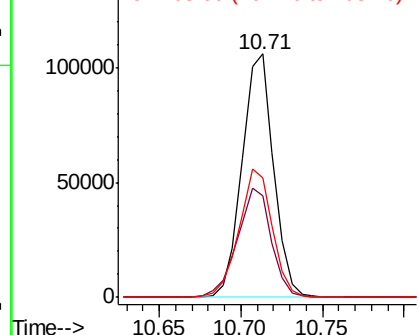
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	55.8	44.6	67.0

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:56:27 AM

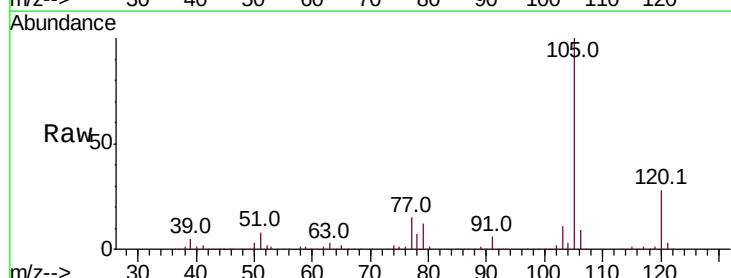


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

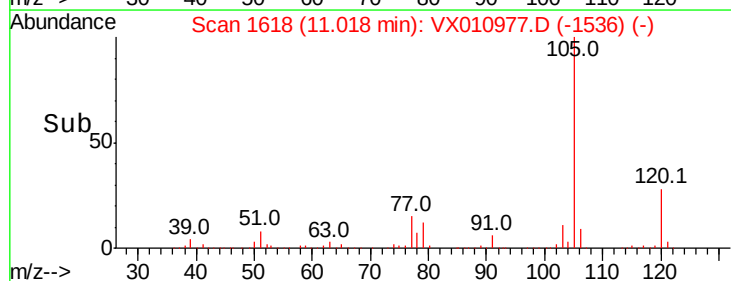
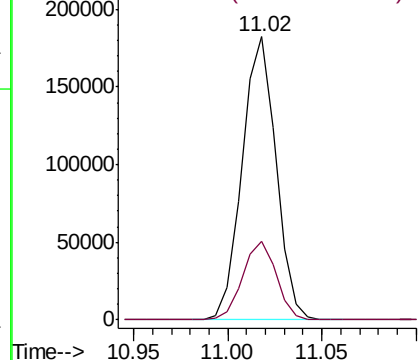


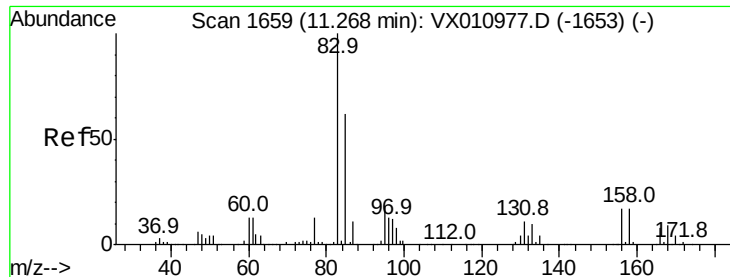
#70
Isopropylbenzene
Concen: 20.310 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	19.4	36.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





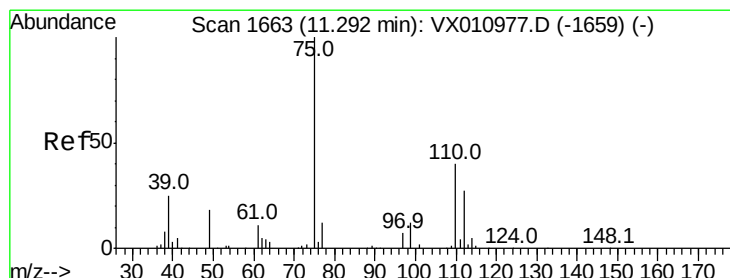
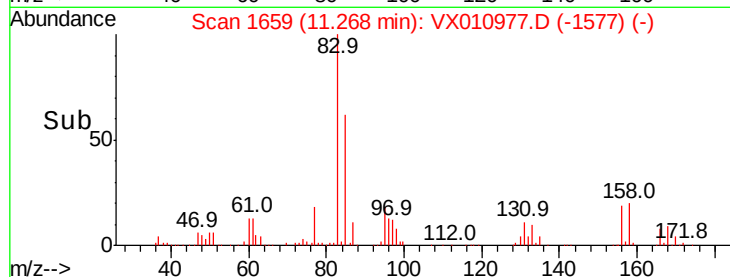
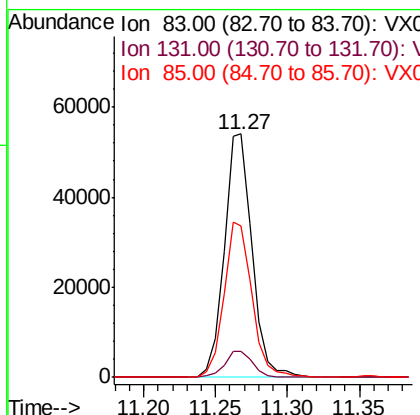
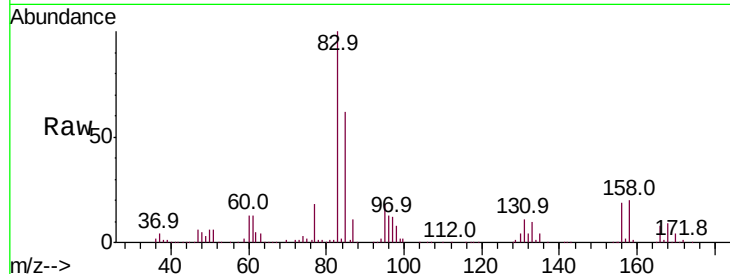
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.321 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	64.2	32.1	96.3

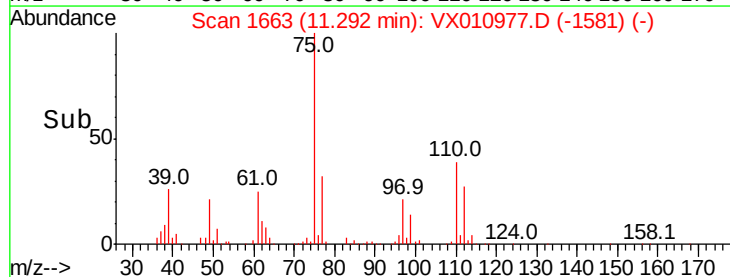
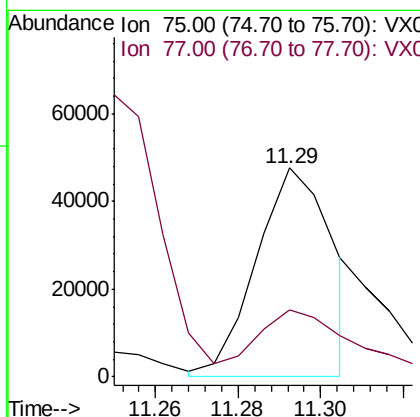
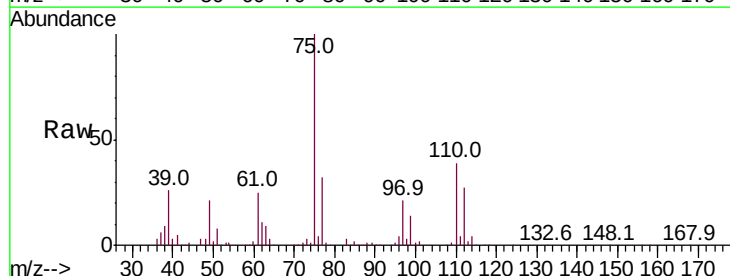
Manual Integrations
 APPROVED

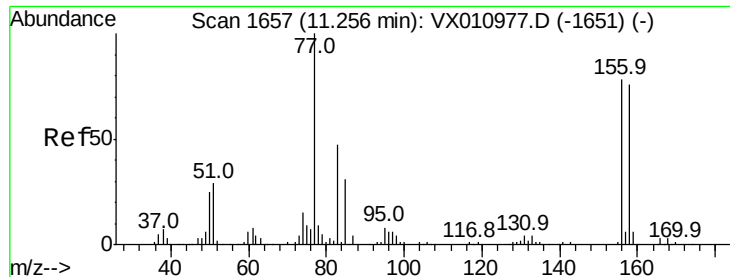
MMDadoda
 7/19/2019 9:56:27 AM



#72
 1,2,3-Trichloropropane
 Concen: 17.769 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	42.0	0.0	84.0





#73

Bromobenzene

Concen: 21.778 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:156 Resp: 61337

Ion Ratio Lower Upper

156 100

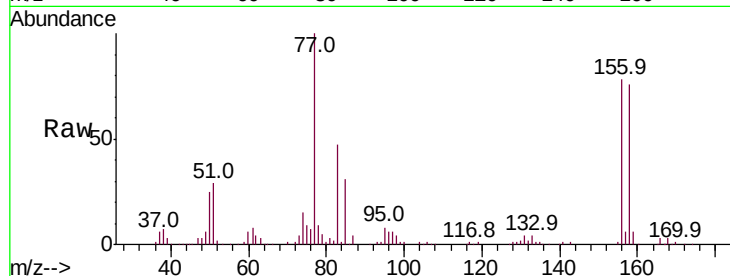
77 137.9 0.0 275.8

158 97.6 0.0 195.2

Manual Integrations
APPROVED

MMDadoda

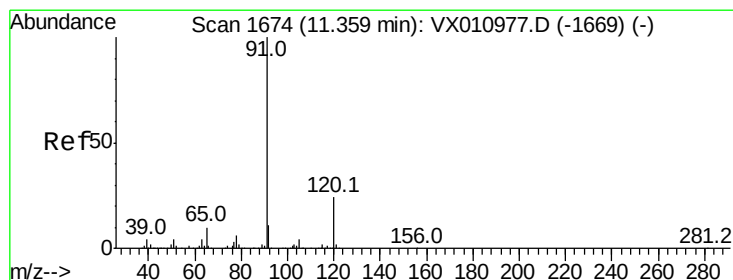
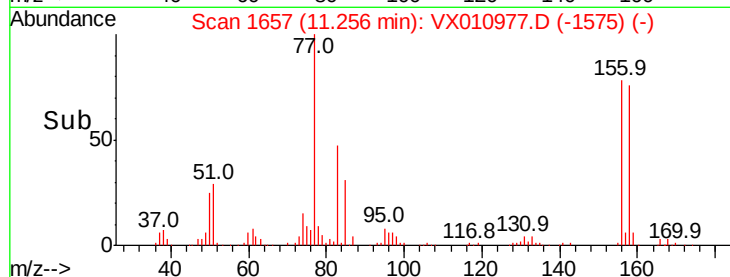
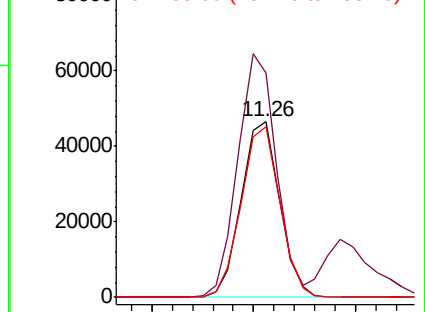
7/19/2019 9:56:27 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.722 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010977.D

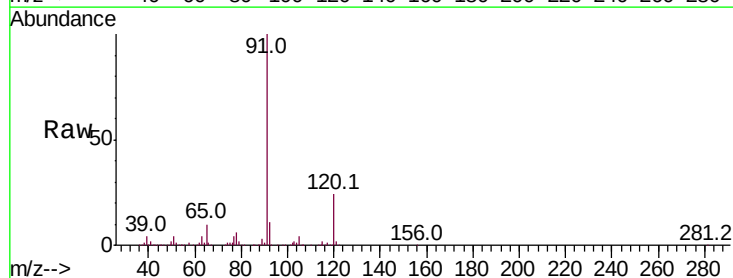
Acq: 18 Jul 2019 22:45

Tgt Ion: 91 Resp: 254157

Ion Ratio Lower Upper

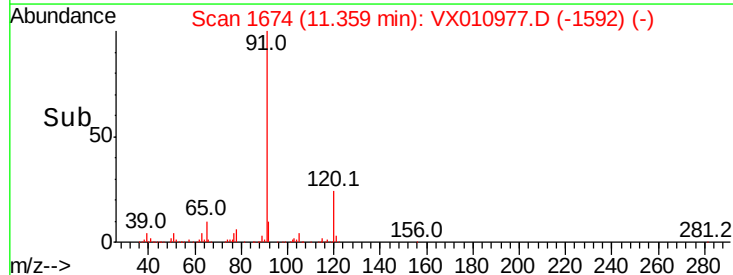
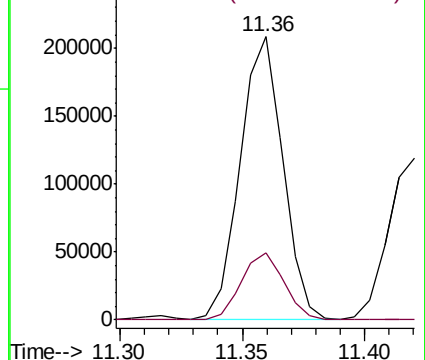
91 100

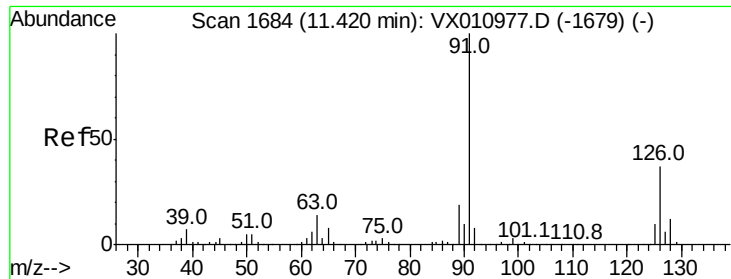
120 23.8 0.0 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.589 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 151014

Ion Ratio Lower Upper

91 100

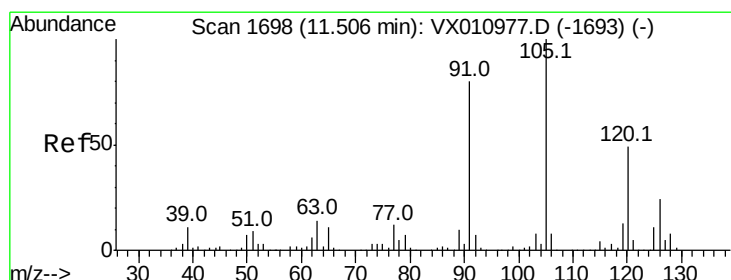
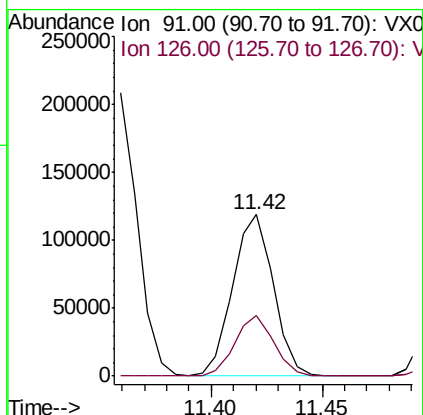
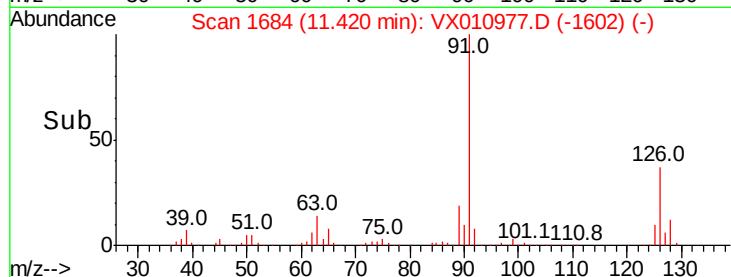
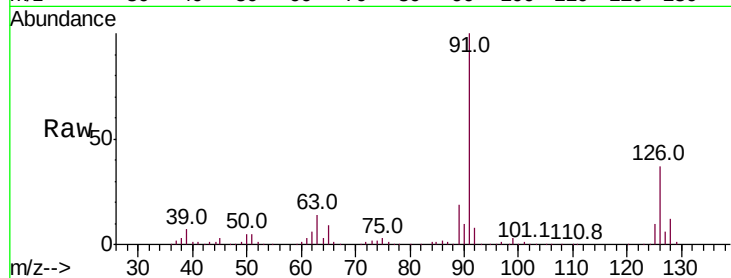
126 36.2 0.0 72.4

Manual Integrations

APPROVED

MMDadoda

7/19/2019 9:56:27 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.327 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010977.D

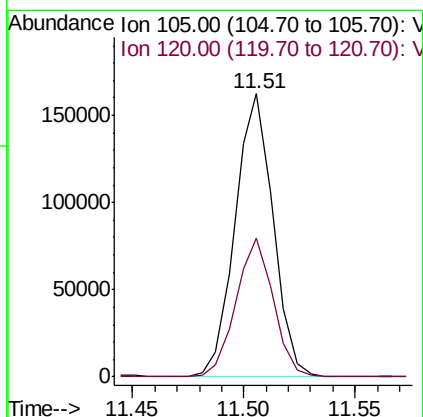
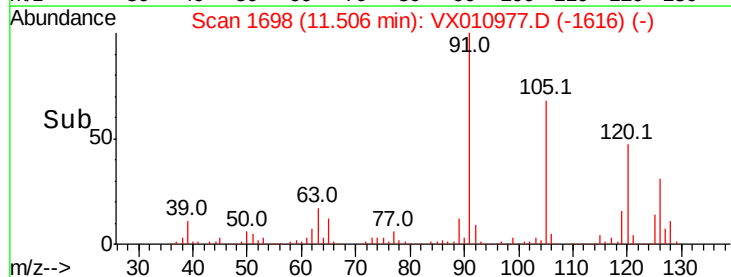
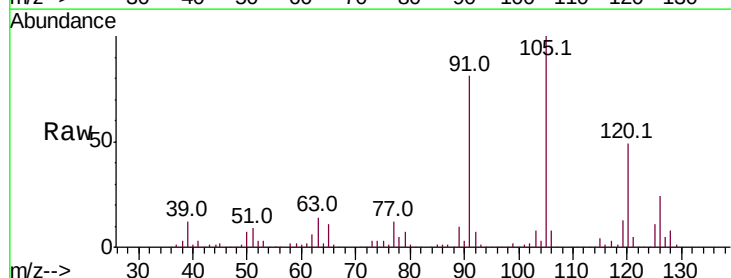
Acq: 18 Jul 2019 22:45

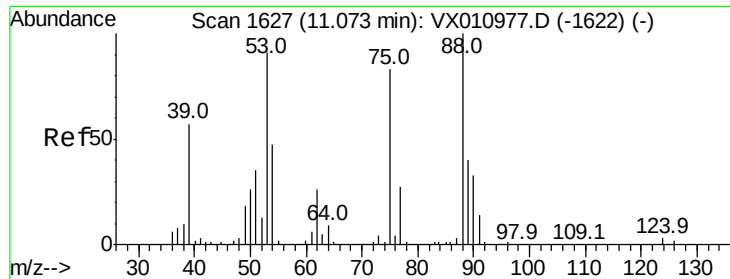
Tgt Ion: 105 Resp: 192901

Ion Ratio Lower Upper

105 100

120 48.3 0.0 96.6





#77

t-1,4-Dichloro-2-butene

Concen: 13.091 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010977.D

Acq: 18 Jul 2019 22:45

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

Tot Ion: 75 Resp: 17423

Ion Ratio Lower Upper

75 100

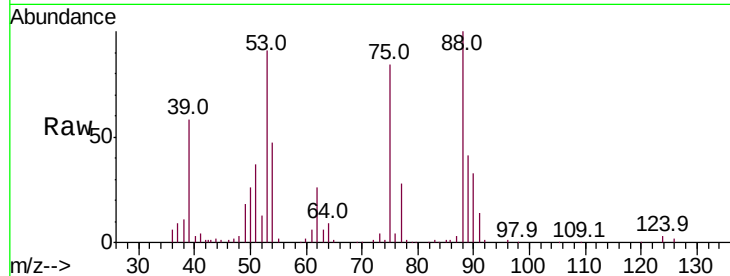
53 109.5 54.8 164.3

89 49.1 24.6 73.6

Manual Integrations
APPROVED

MMDadoda

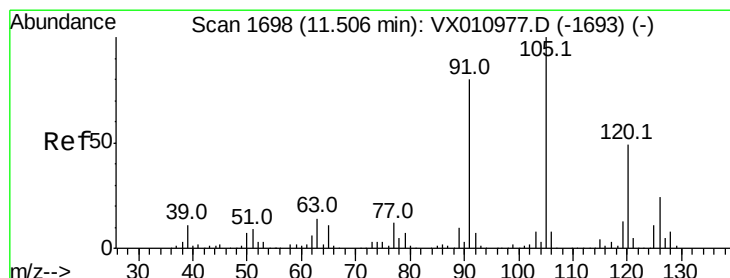
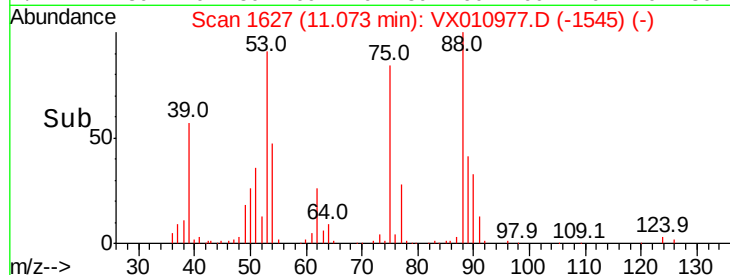
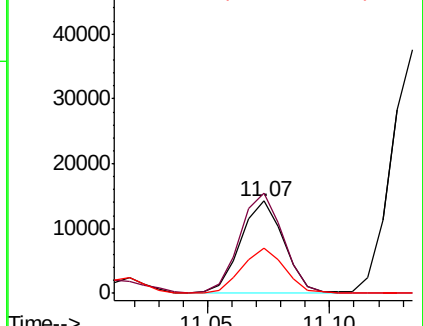
7/19/2019 9:56:27 AM



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.551 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010977.D

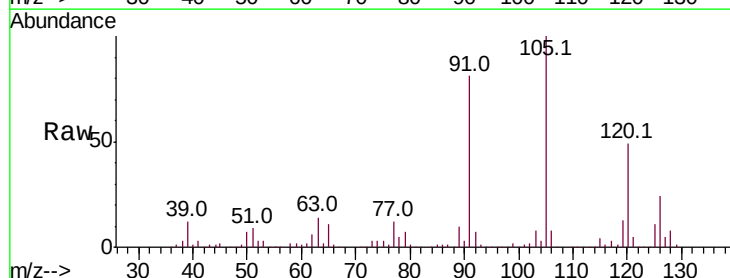
Acq: 18 Jul 2019 22:45

Tgt Ion: 91 Resp: 171714

Ion Ratio Lower Upper

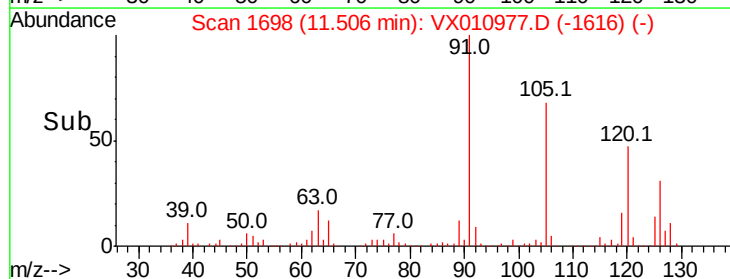
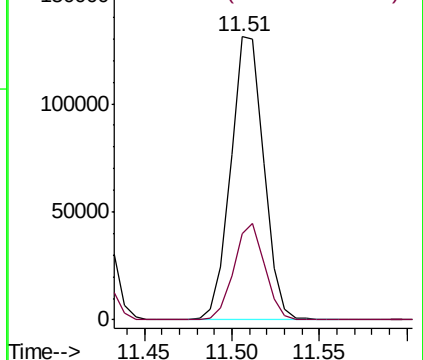
91 100

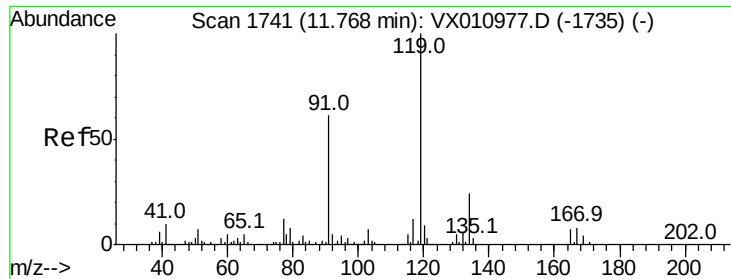
126 31.8 0.0 63.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





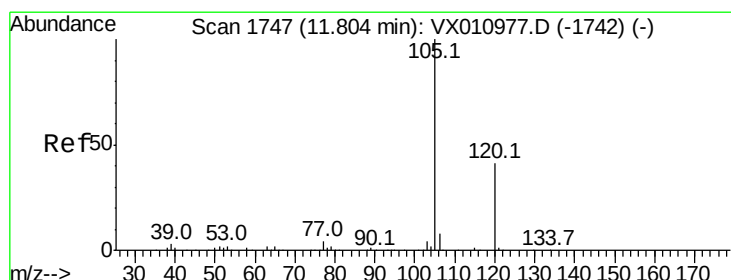
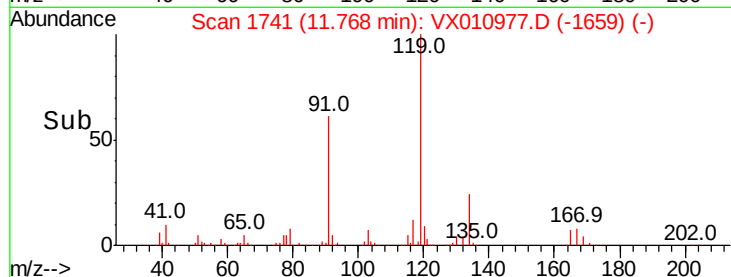
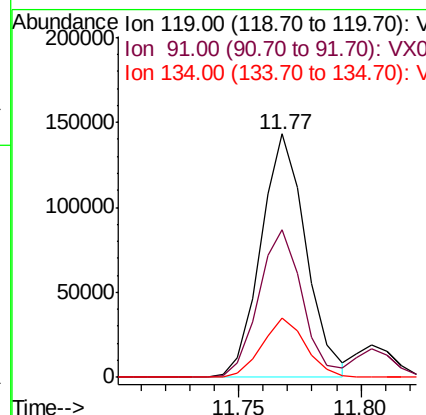
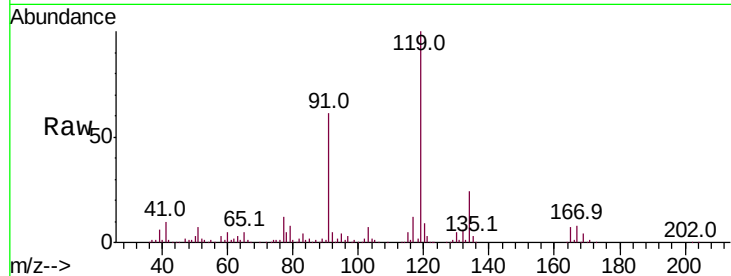
#79
tert-butylbenzene
Concen: 20.141 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	184387		
91	59.2	0.0	118.4	
134	23.7	0.0	47.4	

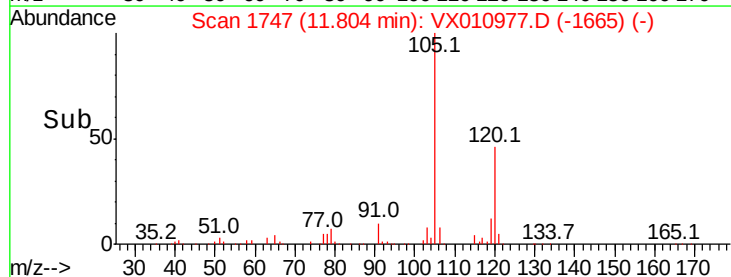
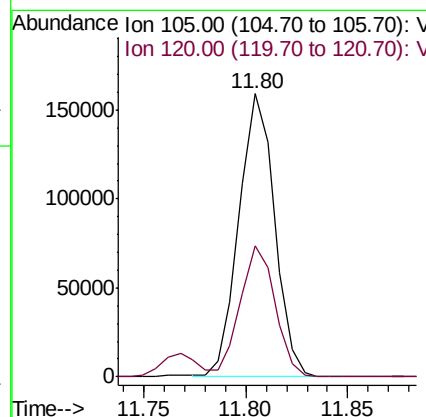
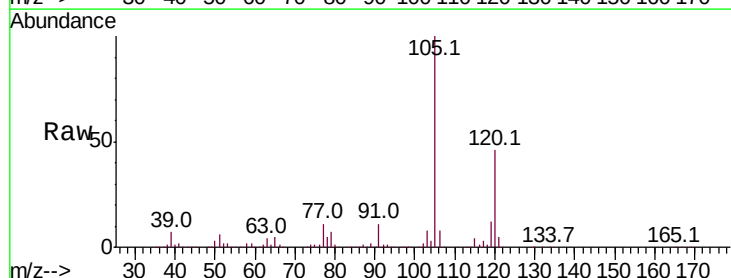
Manual Integrations
APPROVED

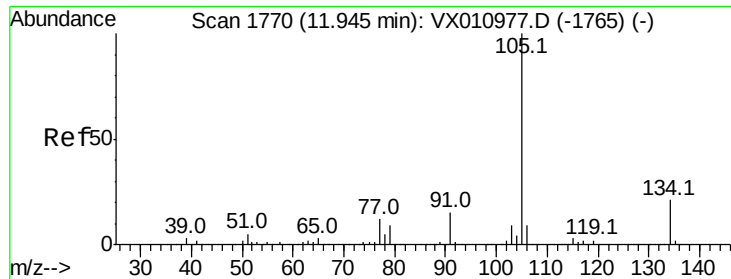
MMDadoda
7/19/2019 9:56:27 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.338 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193650		
120	45.8	0.0	91.6	





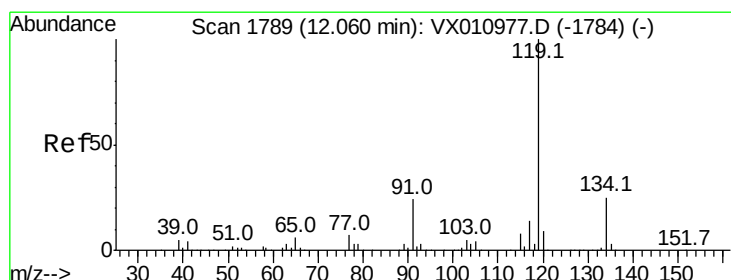
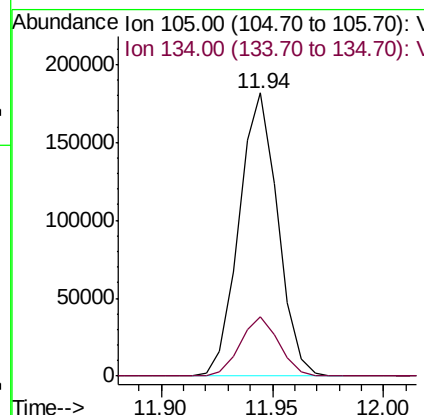
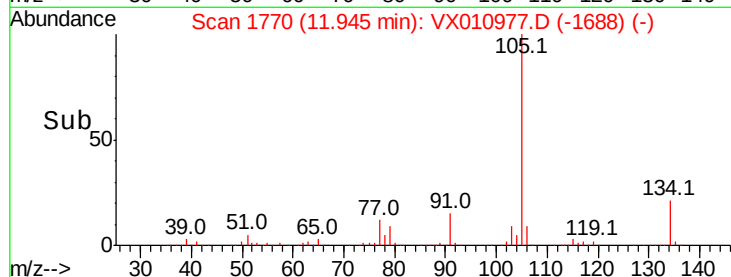
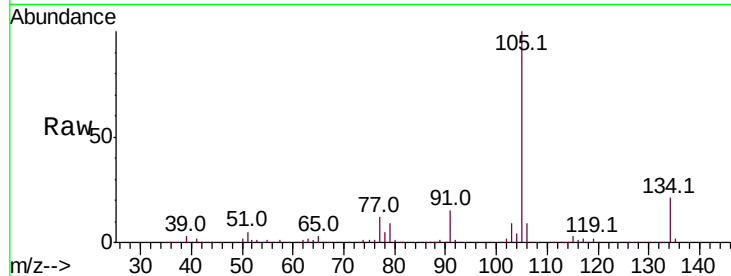
#81
 sec-Butylbenzene
 Concen: 20.179 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	219752		
134	20.9	0.0	41.8	

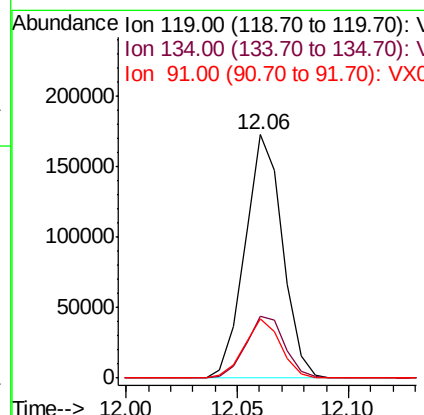
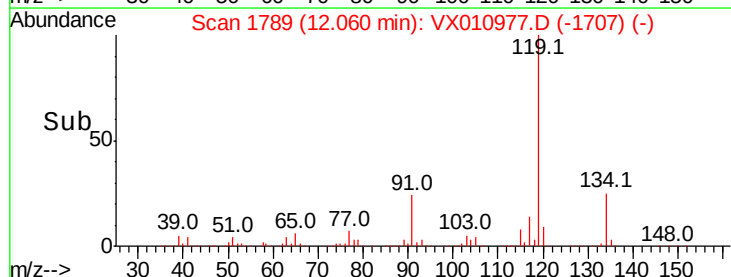
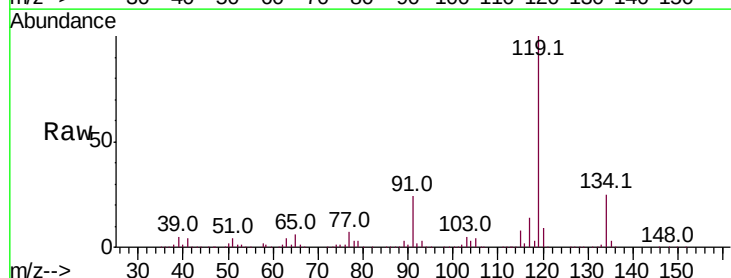
Manual Integrations
 APPROVED

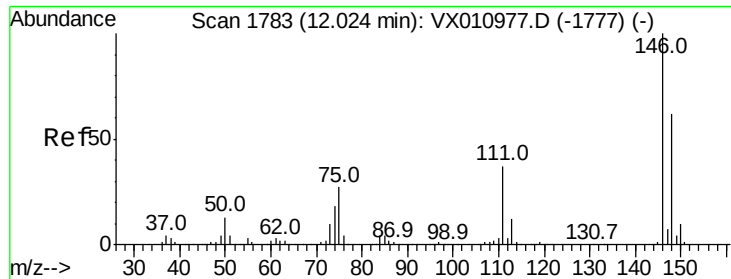
MMDadoda
 7/19/2019 9:56:27 AM



#82
 p-Isopropyltoluene
 Concen: 20.435 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	203200		
134	26.4	0.0	52.8	
91	23.5	0.0	47.0	





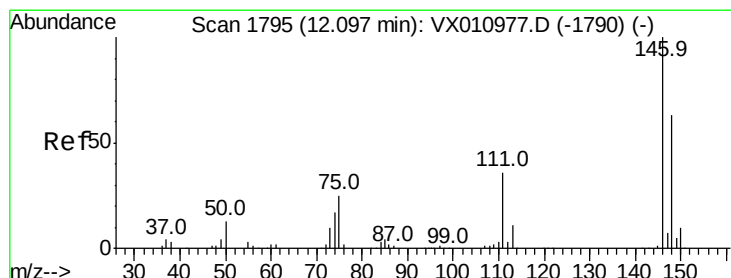
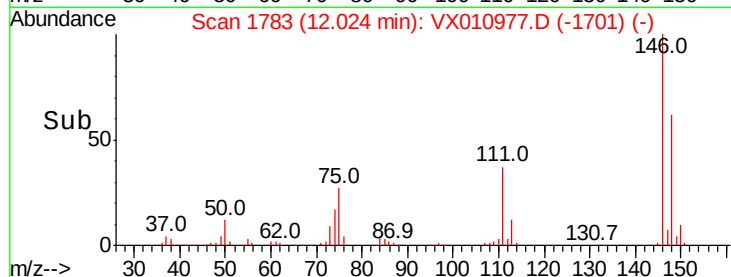
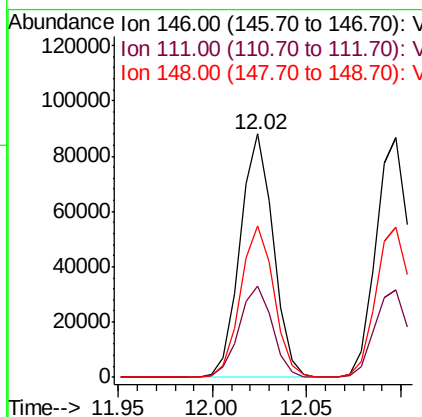
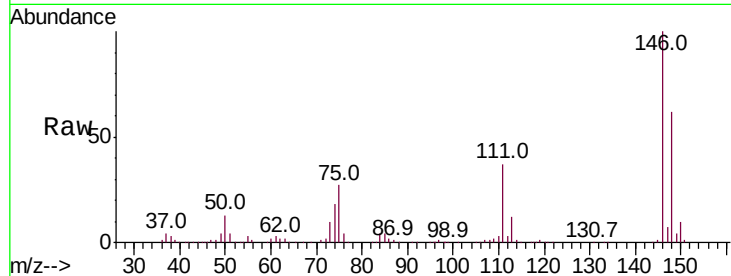
#83
 1,3-Dichlorobenzene
 Concen: 21.306 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	62.7	31.4	94.0

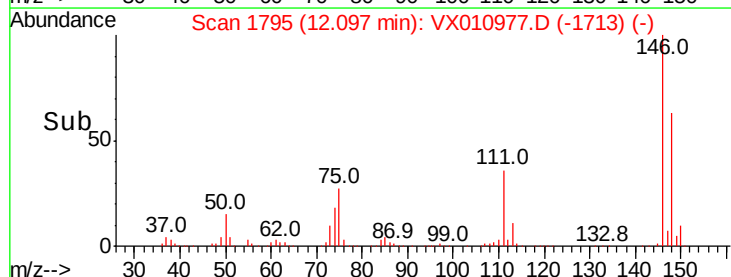
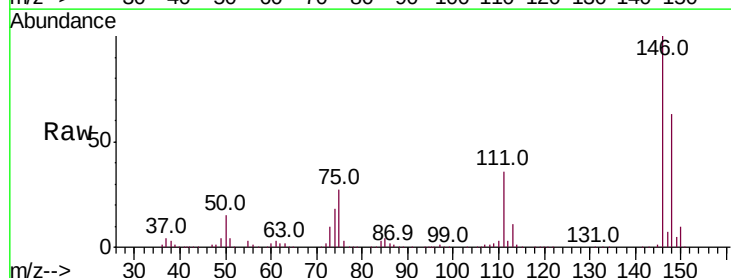
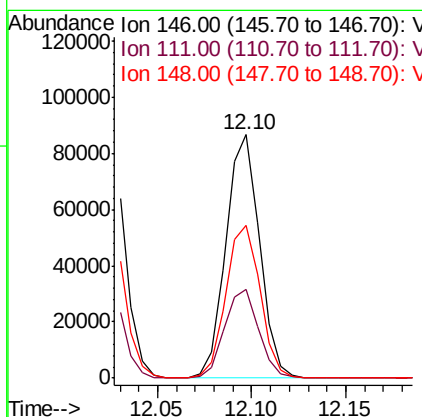
Manual Integrations
 APPROVED

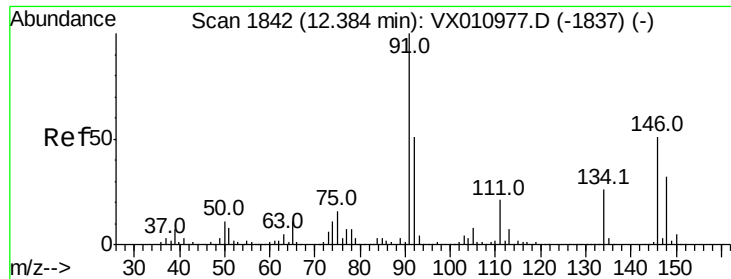
MMDadoda
 7/19/2019 9:56:27 AM



#84
 1,4-Dichlorobenzene
 Concen: 21.358 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	64.0	32.0	96.0





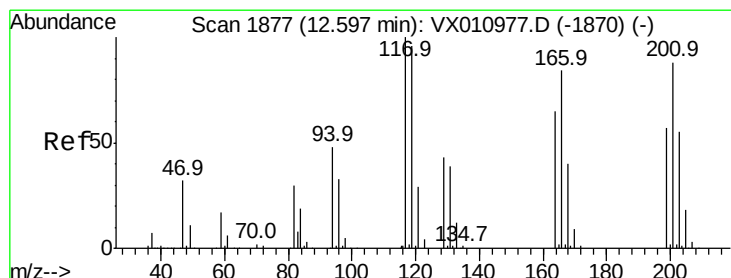
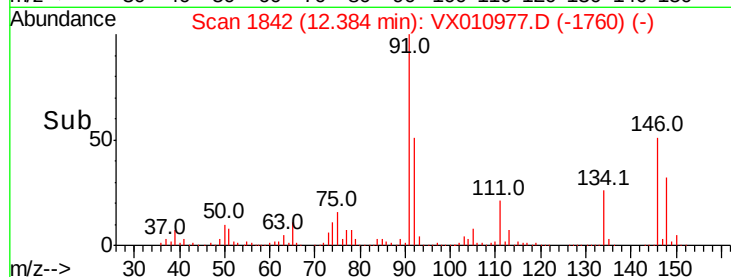
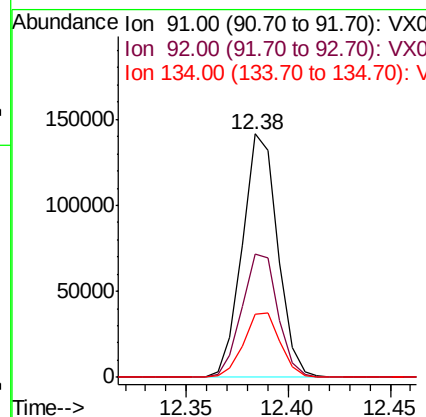
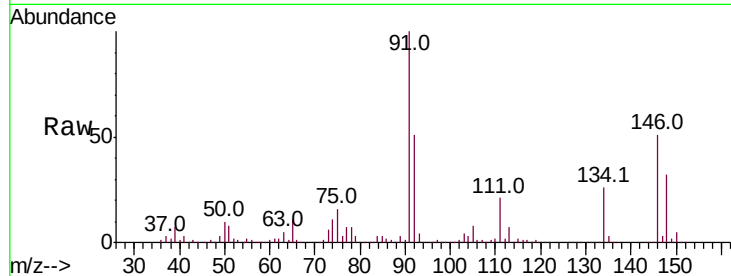
#85
n-Butylbenzene
Concen: 18.932 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	170305		
92	51.8	0.0	103.6	
134	27.1	0.0	54.2	

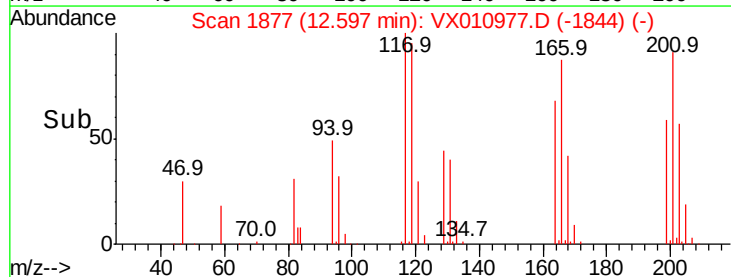
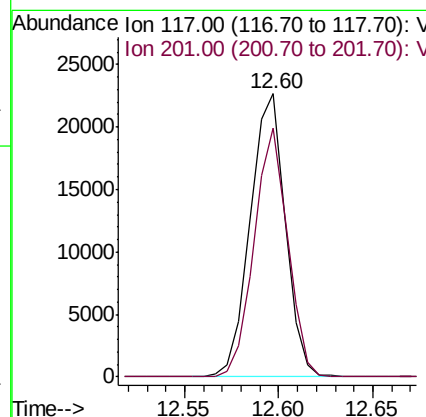
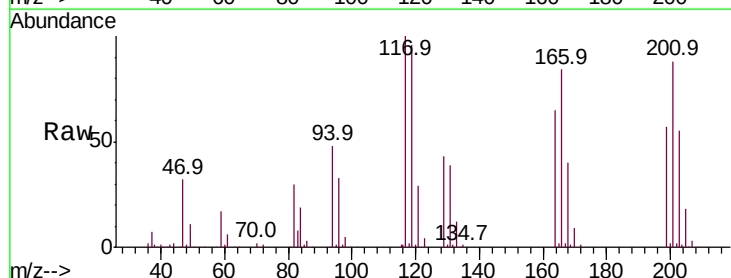
Manual Integrations
APPROVED

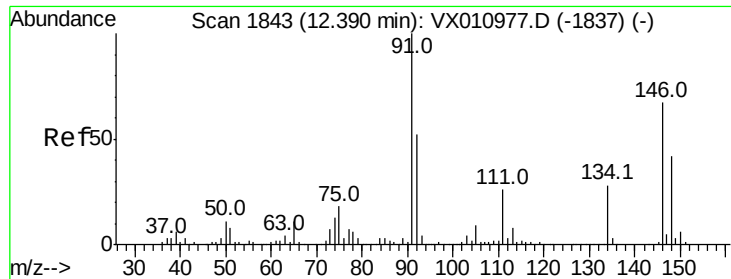
MMDadoda
7/19/2019 9:56:27 AM



#86
Hexachloroethane
Concen: 17.850 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	29271		
201	84.2	42.1	126.3	





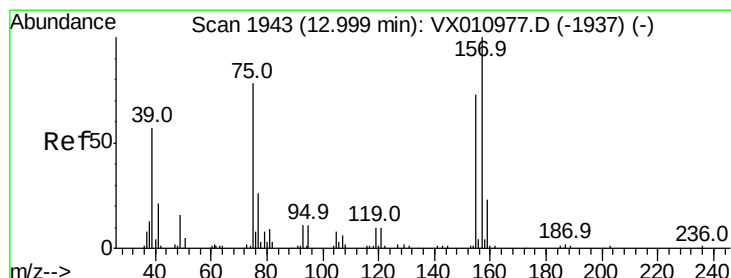
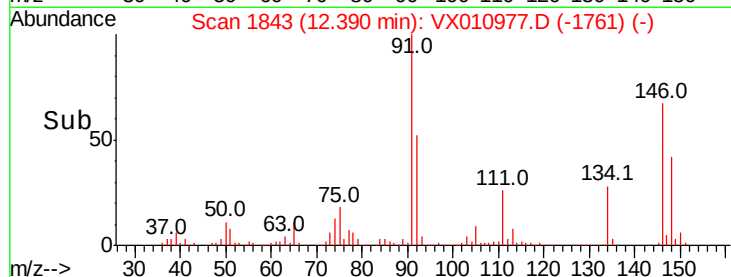
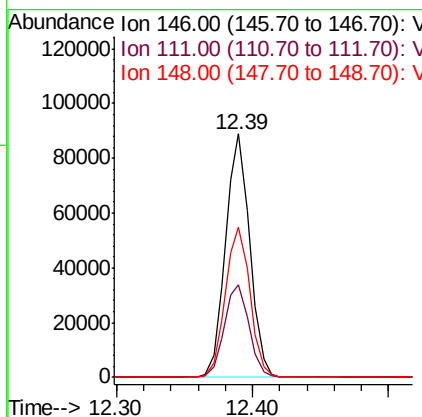
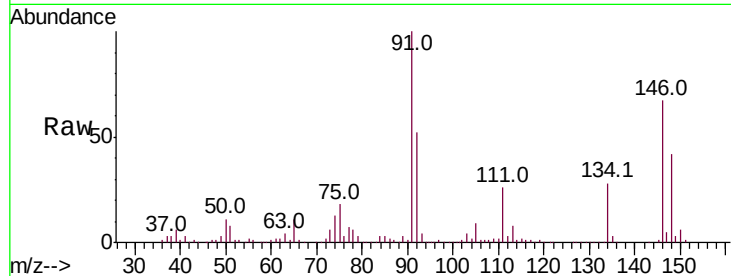
#87
 1,2-Dichlorobenzene
 Concen: 21.595 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	63.0	31.5	94.5

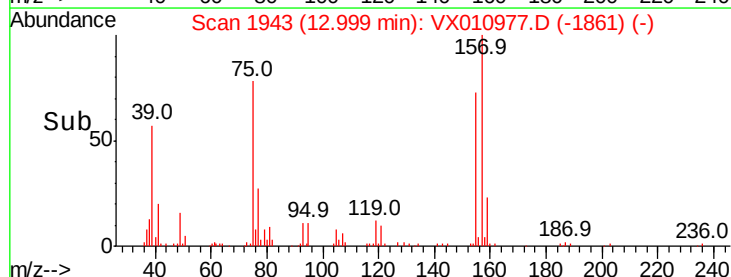
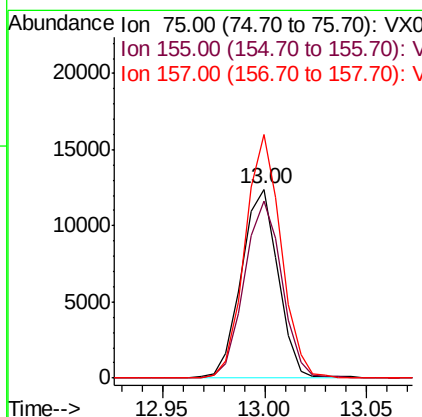
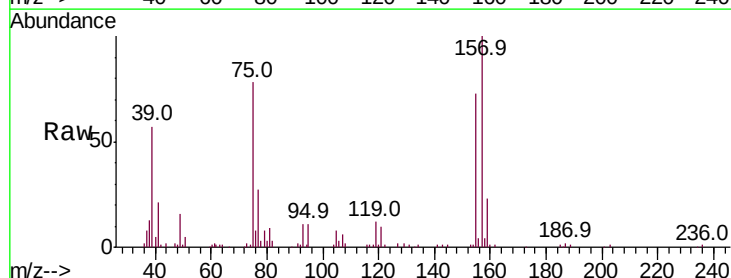
Manual Integrations
 APPROVED

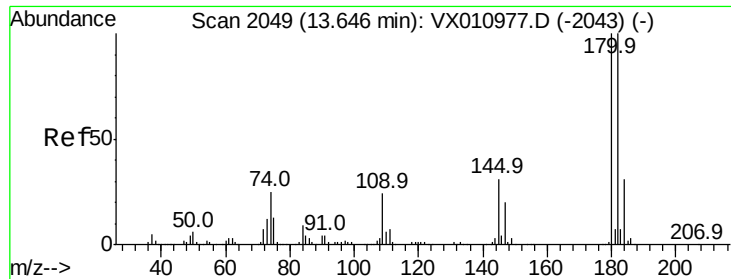
MMDadoda
 7/19/2019 9:56:27 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.942 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010977.D
 Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	76.6	115.0
157	126.2	101.0	151.4





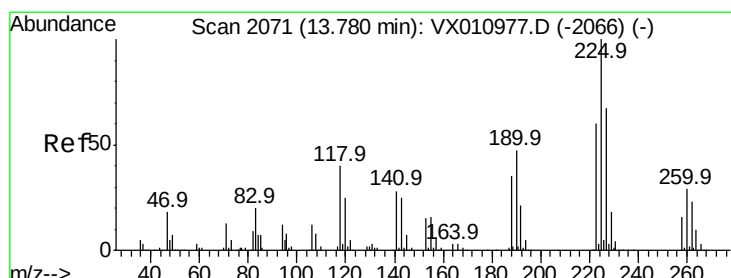
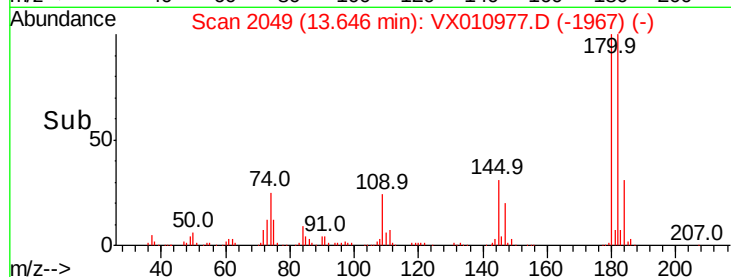
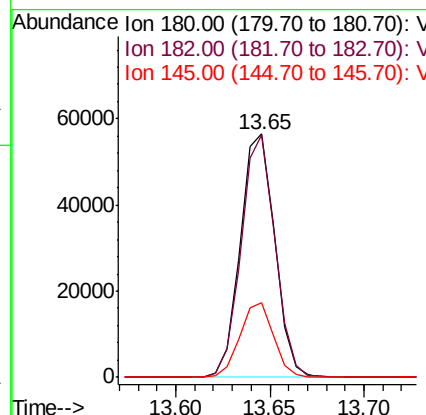
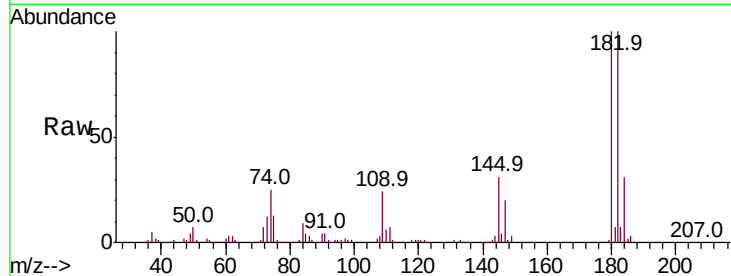
#89
1,2,4-Trichlorobenzene
Concen: 20.076 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	71836		
182	97.0		77.6	116.4
145	29.7		23.8	35.6

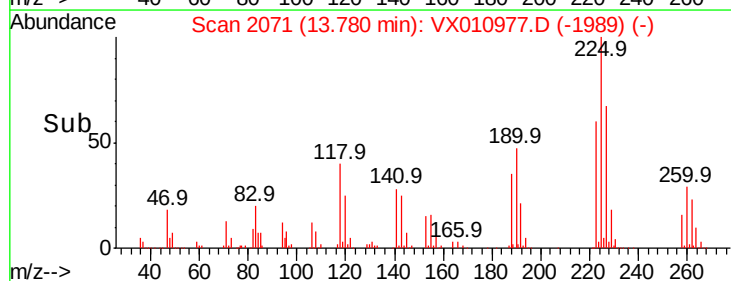
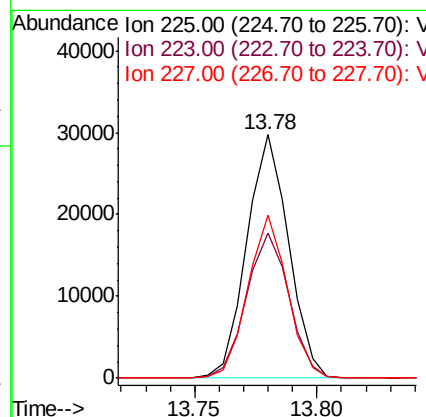
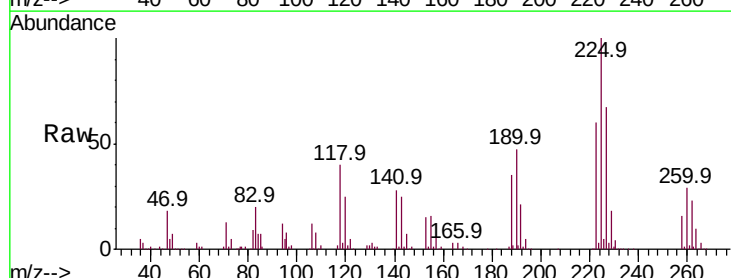
Manual Integrations
APPROVED

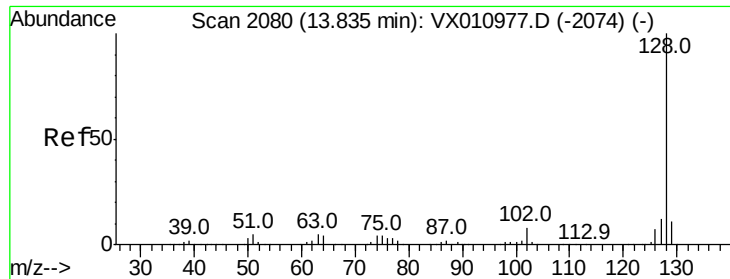
MMDadoda
7/19/2019 9:56:27 AM



#90
Hexachlorobutadiene
Concen: 19.916 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35405		
223	60.7		0.0	121.4
227	63.3		0.0	126.6





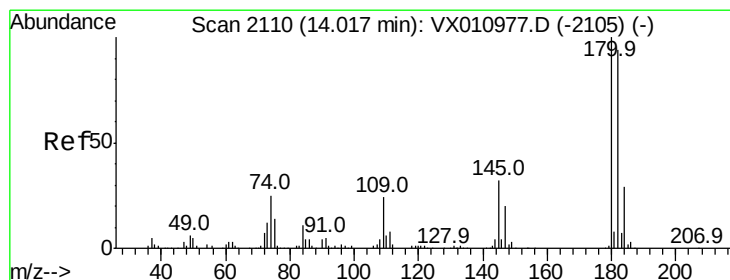
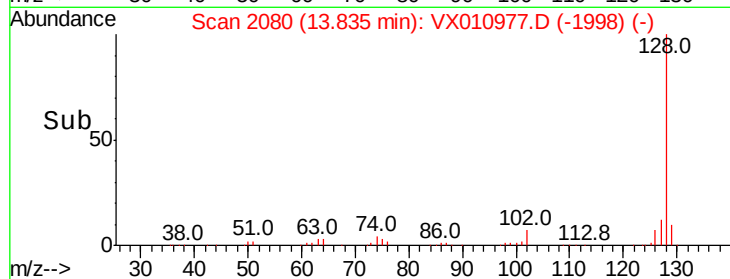
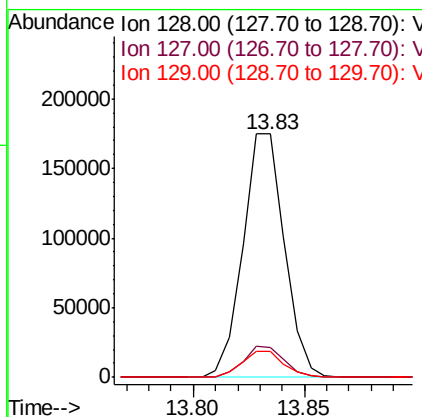
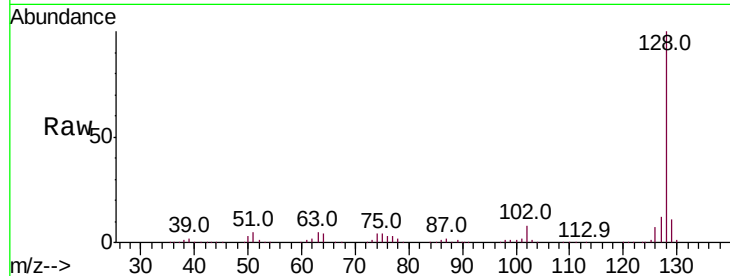
#91
Naphthalene
Concen: 19.750 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:56:27 AM



#92
1,2,3-Trichlorobenzene
Concen: 20.314 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010977.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	0.0	190.2
145	31.9	0.0	63.8

