

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009953.D
 Acq On : 30 May 2019 12:20
 Operator : JC/SP
 Sample : VX0530WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:23:47 AM

Quant Time: May 31 06:05:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	166637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	257087	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110277	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
35) Dibromofluoromethane	5.49	113	78219	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	8.71	98	325265	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.13	95	119264	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	43646	21.434	ug/l	97
3) Chloromethane	1.32	50	52137	19.046	ug/l	99
4) Vinyl Chloride	1.41	62	47893	19.407	ug/l	99
5) Bromomethane	1.64	94	25217	16.866	ug/l	98
6) Chloroethane	1.72	64	27065	17.816	ug/l	98
7) Trichlorofluoromethane	1.93	101	52489	19.248	ug/l	99
8) Diethyl Ether	2.19	74	23039	17.978	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32166	19.537	ug/l	98
10) Methyl Iodide	2.51	142	34613	20.053	ug/l	99
11) Tert butyl alcohol	3.04	59	52425	90.499	ug/l	99
12) 1,1-Dichloroethene	2.37	96	31181	18.477	ug/l	99
13) Acrolein	2.29	56	30777	89.724	ug/l	99
14) Allyl chloride	2.73	41	77529	18.902	ug/l	98
15) Acrylonitrile	3.14	53	124566	89.244	ug/l	99
16) Acetone	2.44	43	125801	92.499	ug/l	99
17) Carbon Disulfide	2.57	76	93418	18.525	ug/l	99
18) Methyl Acetate	2.77	43	57635	18.213	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	117159	18.389	ug/l	99
20) Methylene Chloride	2.85	84	37825	18.161	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	33498	17.840	ug/l	96
22) Diisopropyl ether	3.85	45	148959	19.087	ug/l	88
23) Vinyl Acetate	3.81	43	656043	93.574	ug/l	100
24) 1,1-Dichloroethane	3.70	63	70524	18.647	ug/l	98
25) 2-Butanone	4.67	43	189266	89.323	ug/l	100
26) 2,2-Dichloropropane	4.58	77	53276	18.622	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	38236	17.641	ug/l	99
28) Bromochloromethane	5.01	49	34127	17.388	ug/l	97
29) Tetrahydrofuran	5.12	42	121118	89.138	ug/l	100
30) Chloroform	5.21	83	63821	18.711	ug/l	99
31) Cyclohexane	5.57	56	71592	19.986	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	53177	19.143	ug/l	99
36) 1,1-Dichloropropene	5.79	75	50152	19.227	ug/l	100
37) Ethyl Acetate	4.82	43	69118	19.017	ug/l	99
38) Carbon Tetrachloride	5.79	117	44696	19.829	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053019\
 Data File : VX009953.D
 Acq On : 30 May 2019 12:20
 Operator : JC/SP
 Sample : VX0530WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:23:47 AM

Quant Time: May 31 06:05:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	63164	20.414	ug/l	98
40) Benzene	6.14	78	150853	19.495	ug/l	99
41) Methacrylonitrile	5.03	41	39127	18.423	ug/l	99
42) 1,2-Dichloroethane	6.19	62	55655	19.455	ug/l	99
43) Isopropyl Acetate	6.44	43	109805	18.724	ug/l	100
44) Trichloroethene	7.21	130	35897	19.099	ug/l	91
45) 1,2-Dichloropropane	7.51	63	42128	18.913	ug/l	99
46) Dibromomethane	7.66	93	24195	18.453	ug/l	98
47) Bromodichloromethane	7.90	83	48933	19.626	ug/l	97
48) Methyl methacrylate	7.77	41	55131	18.990	ug/l	99
49) 1,4-Dioxane	7.74	88	21198	392.549	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	353545	92.674	ug/l	99
52) Toluene	8.78	92	91895	19.560	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	54950	18.377	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	60838	18.674	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	36674	19.395	ug/l	99
56) Ethyl methacrylate	9.18	69	63634	18.902	ug/l	98
57) 1,3-Dichloropropane	9.37	76	64162	18.894	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	170315	96.480	ug/l	99
59) 2-Hexanone	9.49	43	286244	97.457	ug/l	99
60) Dibromochloromethane	9.58	129	35269	18.961	ug/l	98
61) 1,2-Dibromoethane	9.67	107	37106	19.101	ug/l	99
64) Tetrachloroethene	9.34	164	32984	20.043	ug/l	96
65) Chlorobenzene	10.13	112	95615	19.385	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33533	19.601	ug/l	100
67) Ethyl Benzene	10.25	91	178848	20.195	ug/l	99
68) m/p-Xylenes	10.35	106	129419	39.556	ug/l	99
69) o-Xylene	10.69	106	61687	19.659	ug/l	98
70) Styrene	10.71	104	108471	19.714	ug/l	99
71) Bromoform	10.85	173	26883	19.224	ug/l #	98
73) Isopropylbenzene	11.02	105	169399	19.717	ug/l	100
74) N-amyl acetate	10.90	43	96807	18.856	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	60361	18.832	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	54289m	19.496	ug/l	
77) Bromobenzene	11.26	156	41062	18.754	ug/l	100
78) n-propylbenzene	11.36	91	198693	20.064	ug/l	100
79) 2-Chlorotoluene	11.42	91	116162	19.199	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	145205	20.061	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19418	17.253	ug/l	94
82) 4-Chlorotoluene	11.51	91	136203	19.337	ug/l	100
83) tert-Butylbenzene	11.77	119	135502	19.568	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	145069	19.736	ug/l	100
85) sec-Butylbenzene	11.94	105	166585	20.221	ug/l	100
86) p-Isopropyltoluene	12.06	119	150270	20.279	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	74638	19.147	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	74988	18.863	ug/l	99
89) n-Butylbenzene	12.38	91	139222	19.992	ug/l	100
90) Hexachloroethane	12.59	117	24792	19.496	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	74023	19.261	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13732	18.201	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
Data File : VX009953.D
Acq On : 30 May 2019 12:20
Operator : JC/SP
Sample : VX0530WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

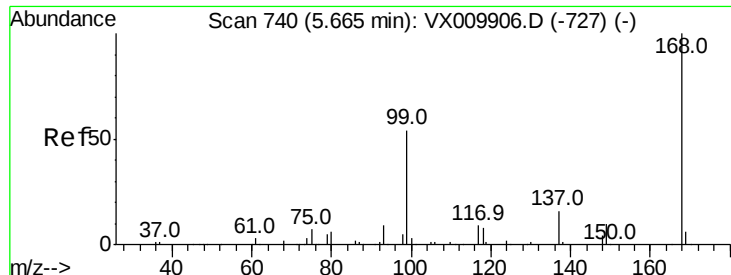
Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:23:47 AM

Quant Time: May 31 06:05:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53165	19.358	ug/l	98
94) Hexachlorobutadiene	13.78	225	27895	20.250	ug/l	98
95) Naphthalene	13.83	128	162856	19.055	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	53634	19.509	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion:168 Resp: 166637

Ion Ratio Lower Upper

168 100

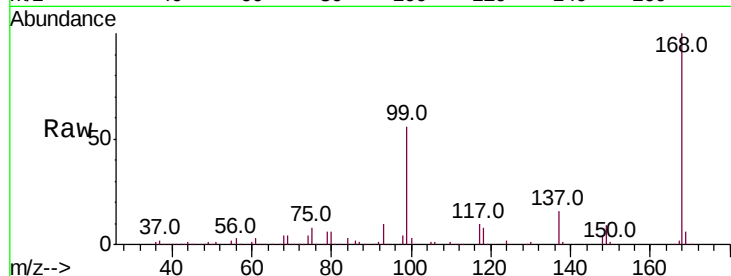
99 55.5 43.0 64.6

Manual Integrations

APPROVED

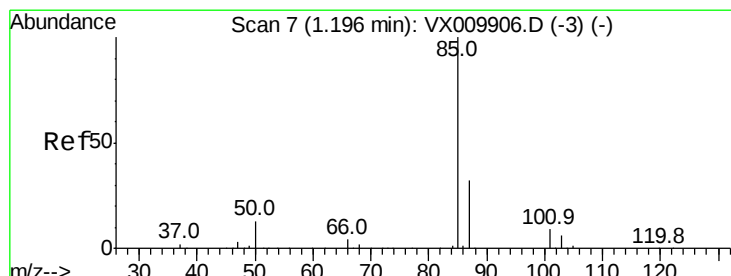
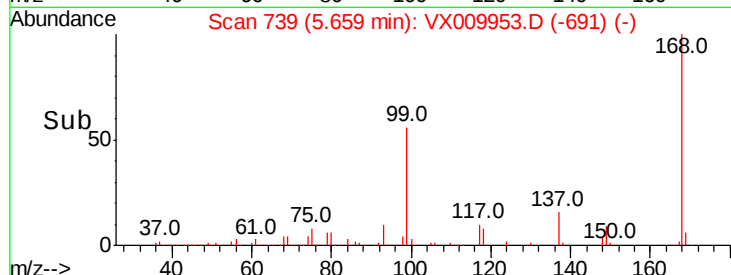
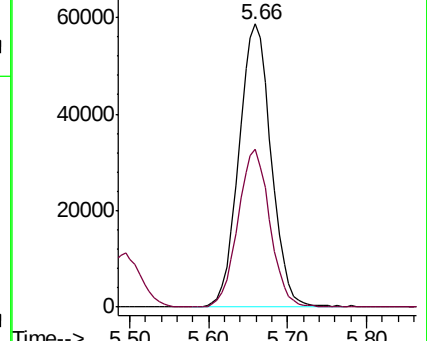
MMDadoda

5/31/2019 9:23:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.434 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009953.D

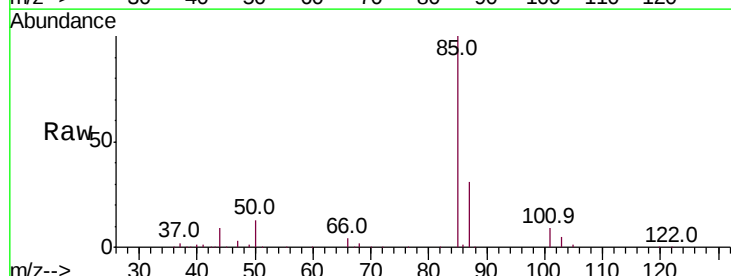
Acq: 30 May 2019 12:20

Tgt Ion: 85 Resp: 43646

Ion Ratio Lower Upper

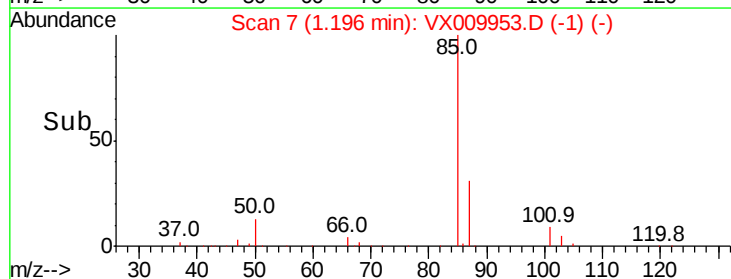
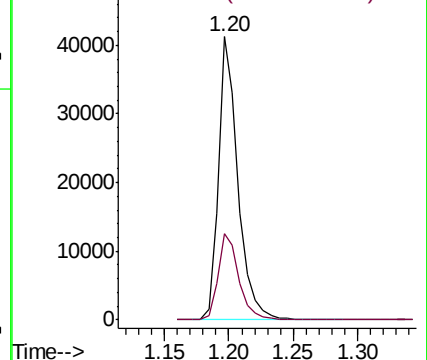
85 100

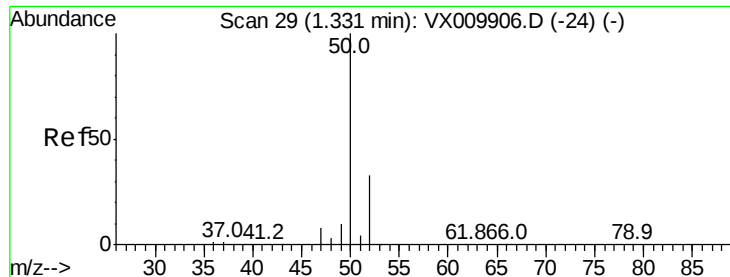
87 30.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.046 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 50 Resp: 52137

Ion Ratio Lower Upper

50 100

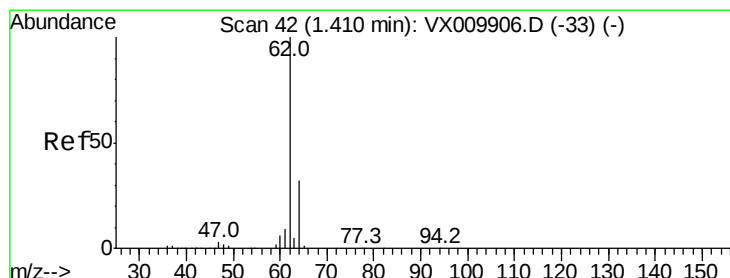
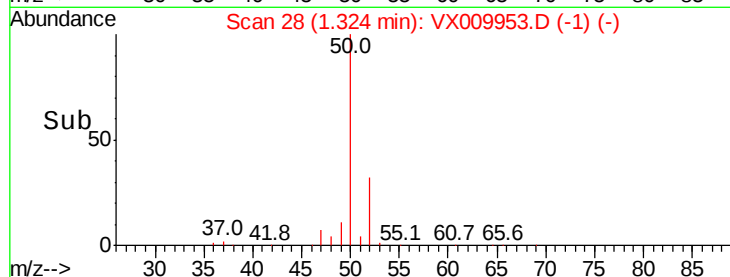
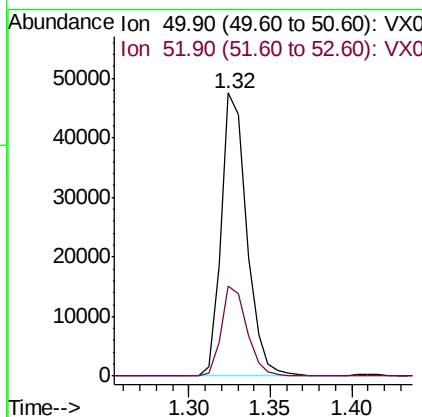
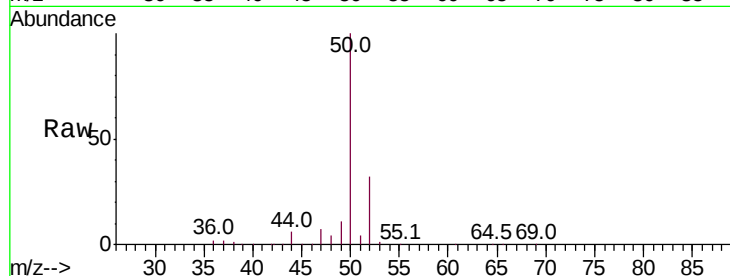
52 31.9 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

5/31/2019 9:23:47 AM



#4

Vinyl Chloride

Concen: 19.407 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009953.D

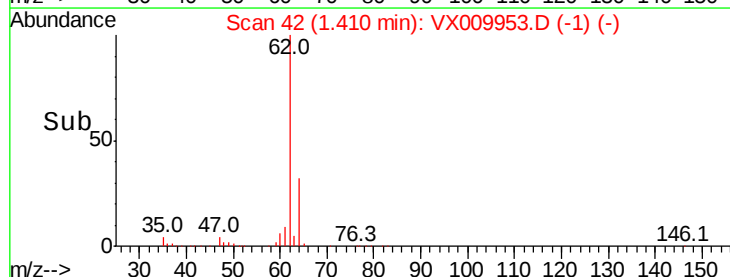
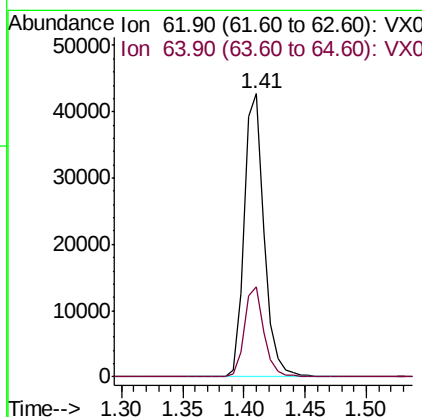
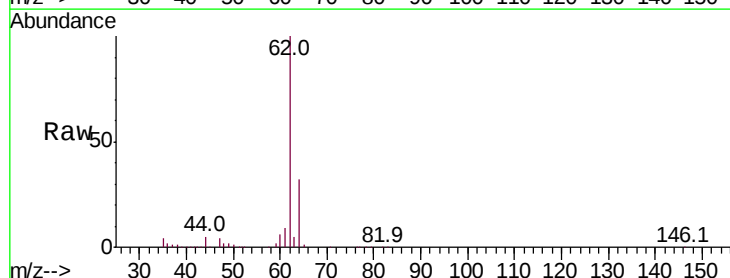
Acq: 30 May 2019 12:20

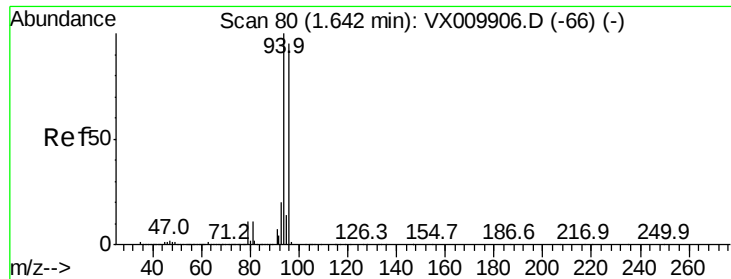
Tgt Ion: 62 Resp: 47893

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 16.866 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 94 Resp: 25217

Ion Ratio Lower Upper

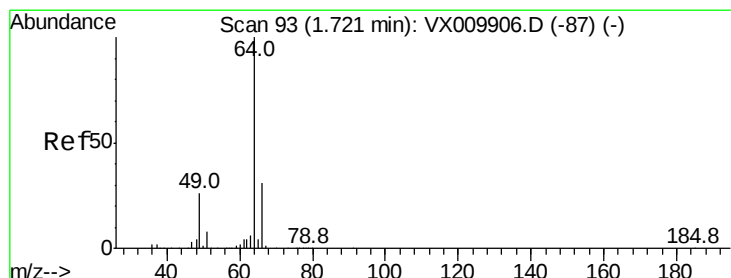
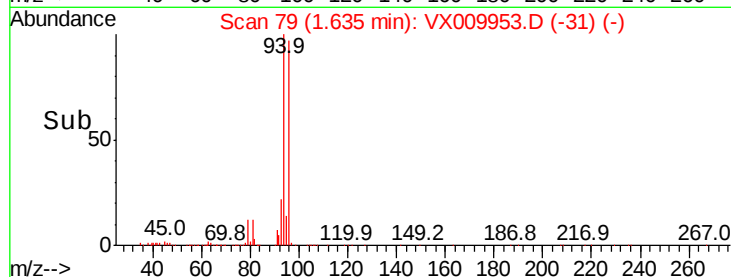
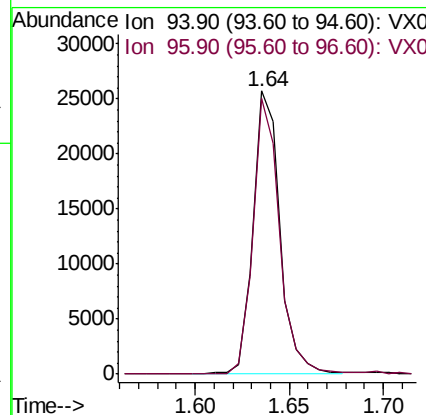
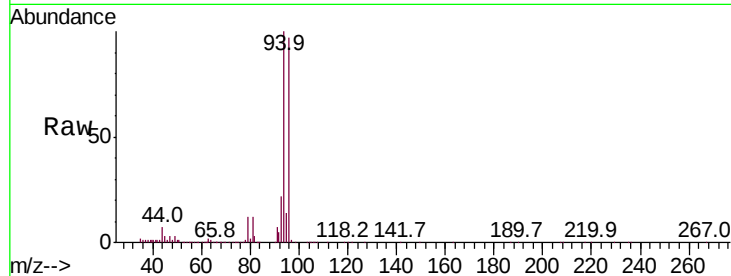
94 100

96 97.6 76.2 114.4

Manual Integrations
APPROVED

MMDadoda

5/31/2019 9:23:47 AM



#6

Chloroethane

Concen: 17.816 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009953.D

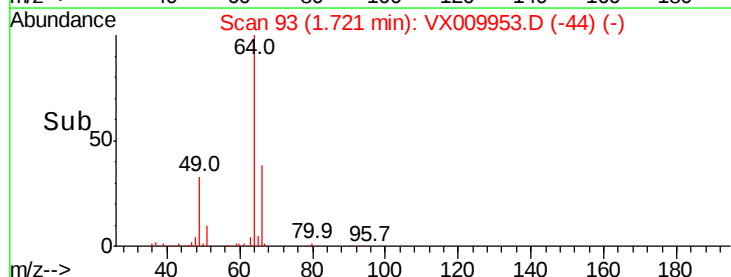
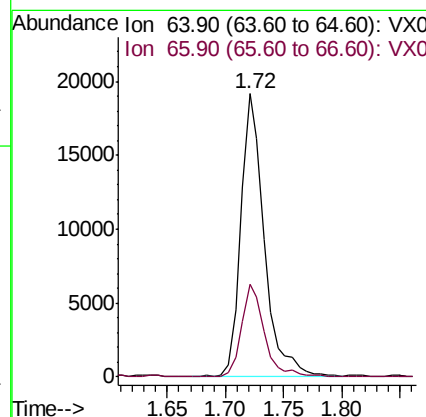
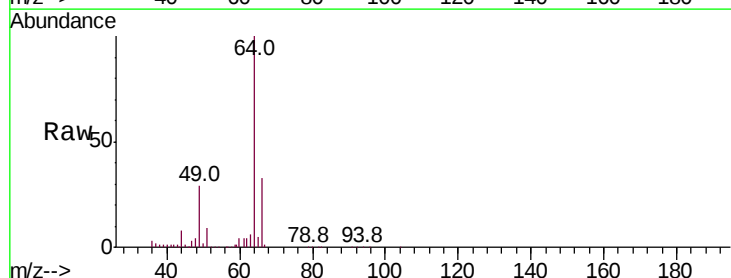
Acq: 30 May 2019 12:20

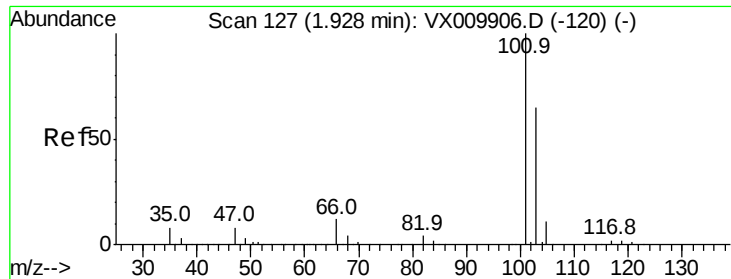
Tgt Ion: 64 Resp: 27065

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7





#7

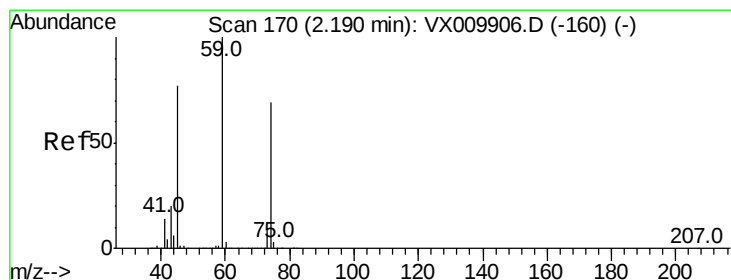
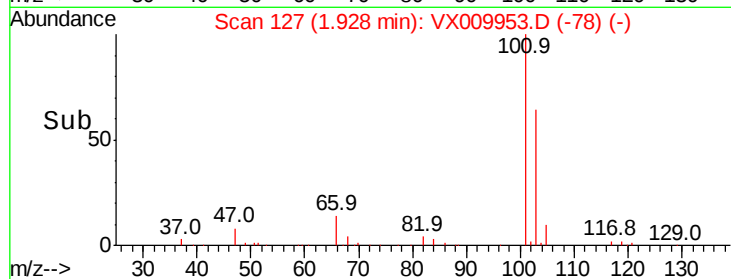
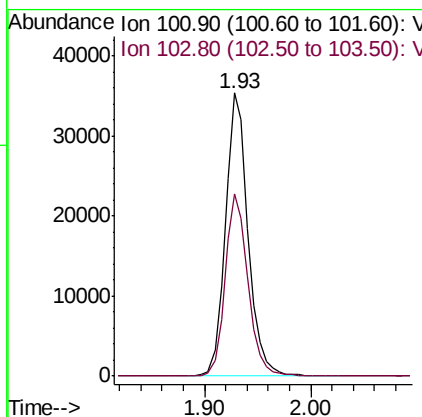
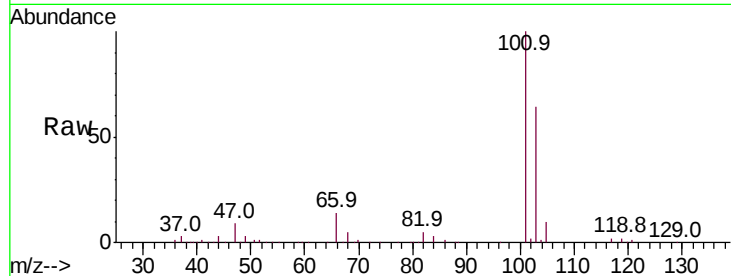
Trichlorofluoromethane
Concen: 19.248 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.4

Manual Integrations
APPROVED

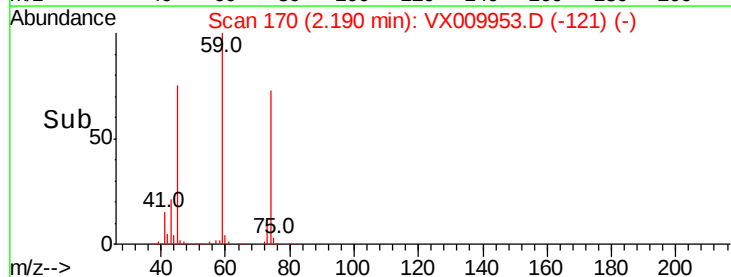
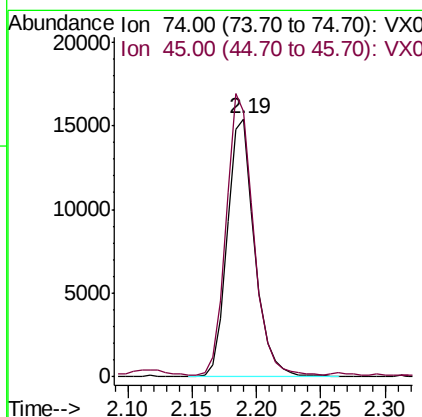
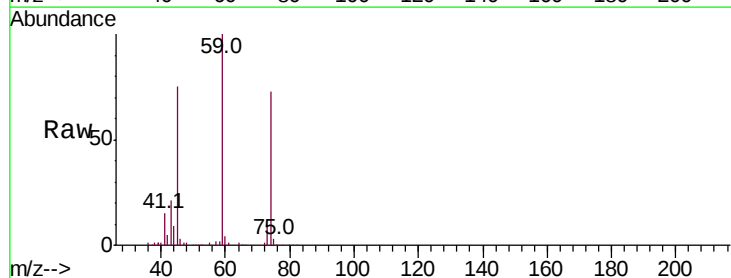
MMDadoda
5/31/2019 9:23:47 AM

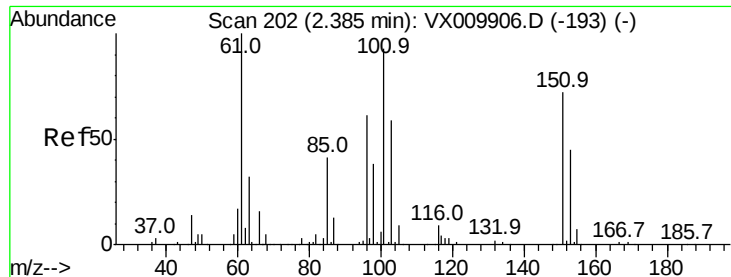


#8

Diethyl Ether
Concen: 17.978 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.8	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.537 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

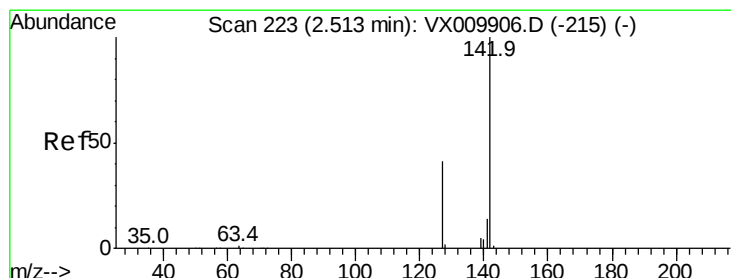
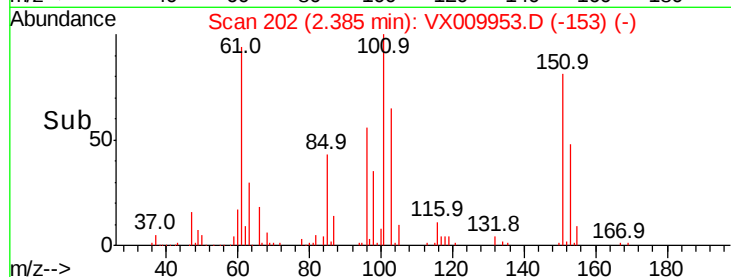
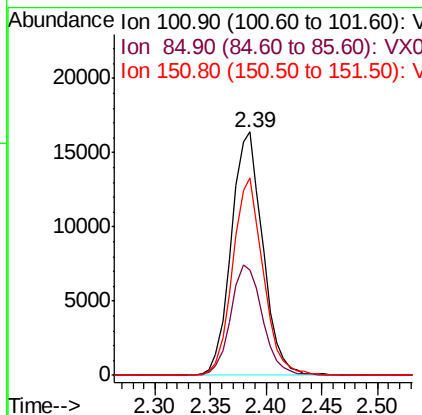
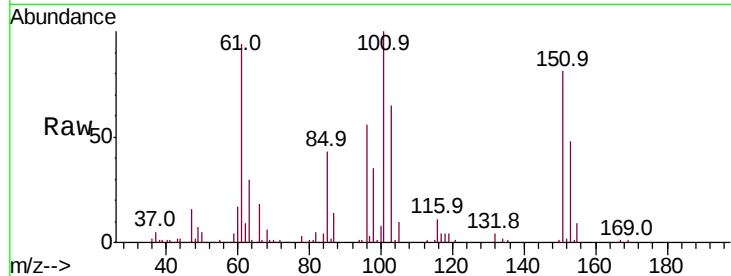
ClientSampleId :

VX0530WBS01

Tot Ion:	101	Resp:	32166
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.2	52.8
151	78.4	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:23:47 AM



#10

Methyl Iodide

Concen: 20.053 ug/l

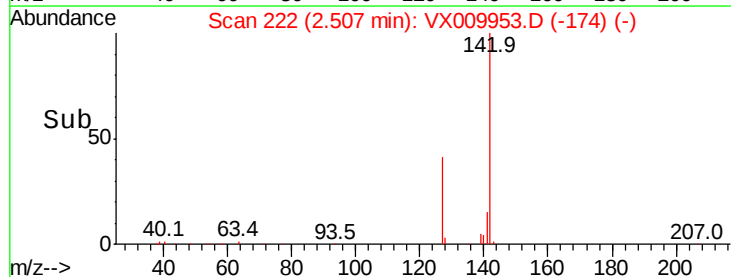
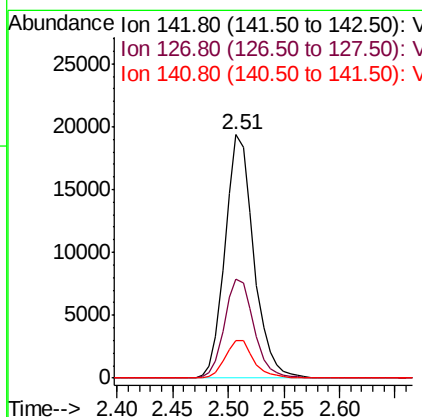
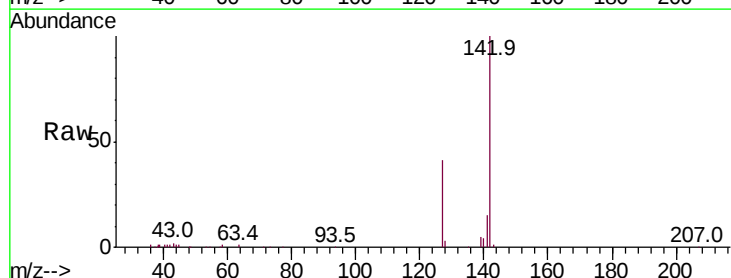
RT: 2.51 min Scan# 222

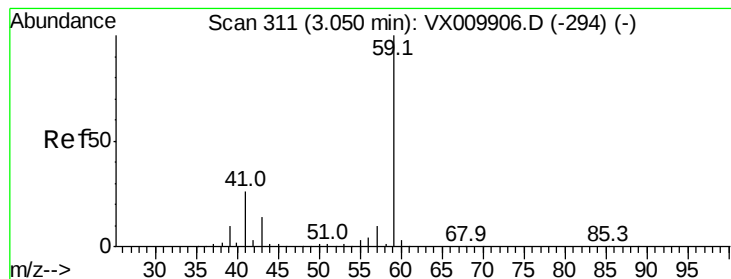
Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Tgt Ion:	142	Resp:	34613
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.0	49.4
141	15.3	11.4	17.0





#11

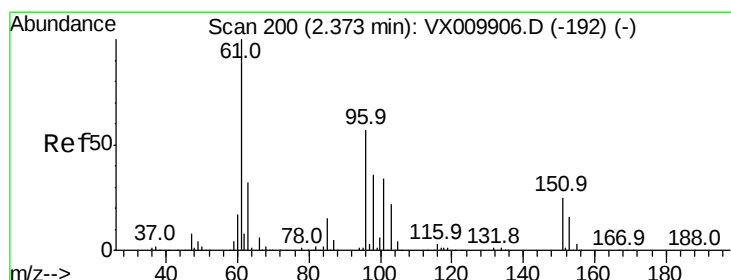
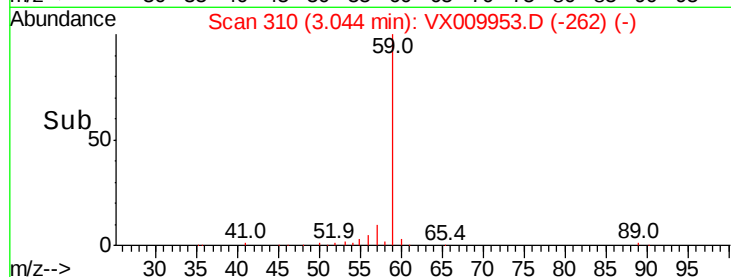
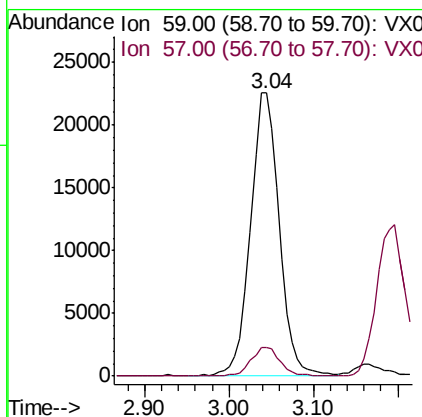
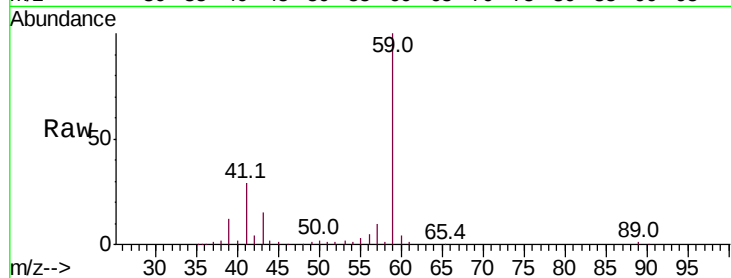
Tert butyl alcohol
Concen: 90.499 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampled :
VX0530WBS01

Tot Ion	59	Resp	52425
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.2

Manual Integrations
APPROVED

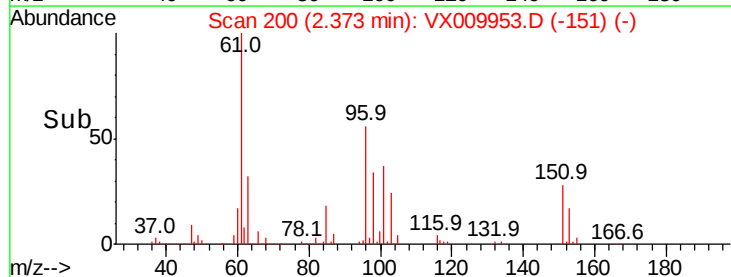
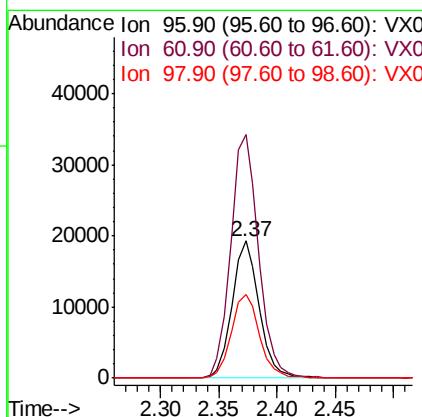
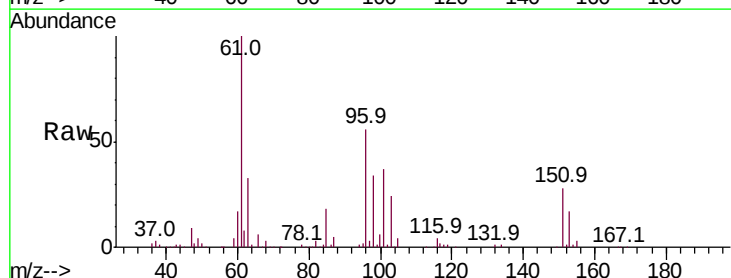
MMDadoda
5/31/2019 9:23:47 AM

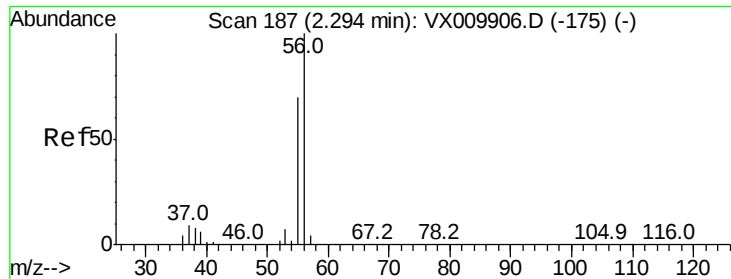


#12

1,1-Dichloroethene
Concen: 18.477 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	96	Resp	31181
Ion Ratio	100	Lower	Upper
61	177.9	140.7	211.1
98	61.3	50.1	75.1





#13

Acrolein

Concen: 89.724 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 56 Resp: 30777

Ion Ratio Lower Upper

56 100

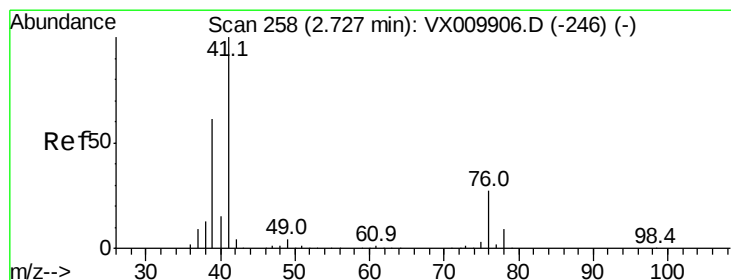
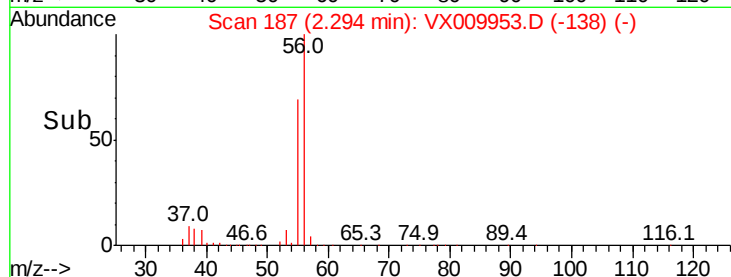
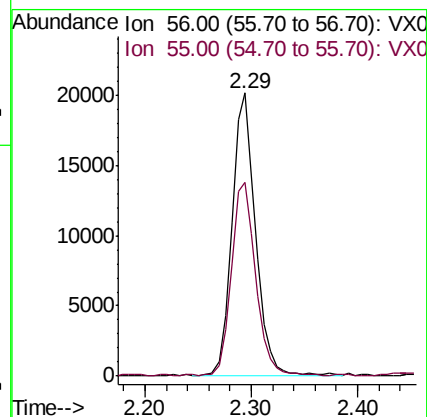
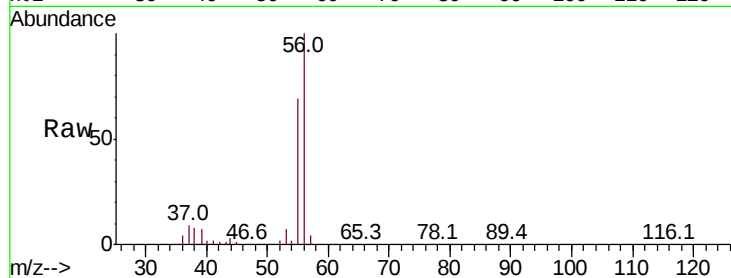
55 72.2 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

5/31/2019 9:23:47 AM



#14

Allyl chloride

Concen: 18.902 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

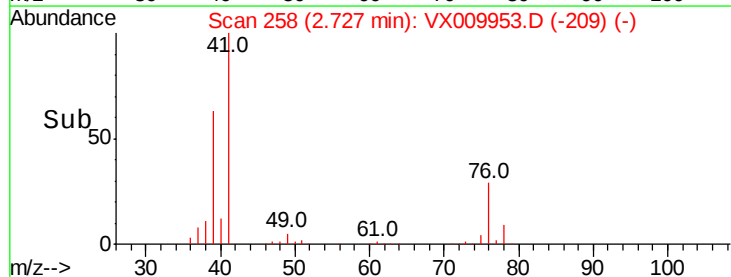
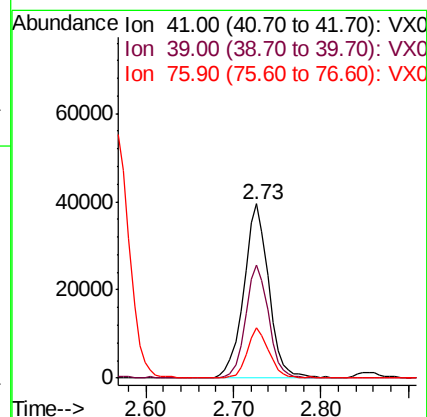
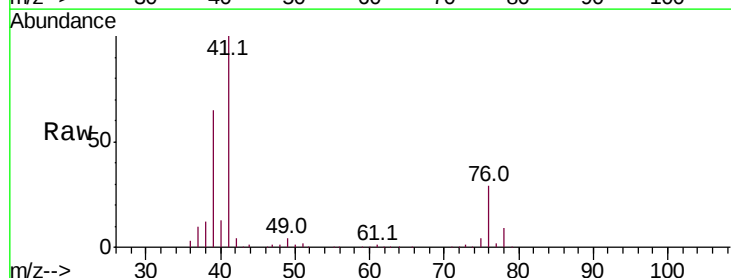
Tgt Ion: 41 Resp: 77529

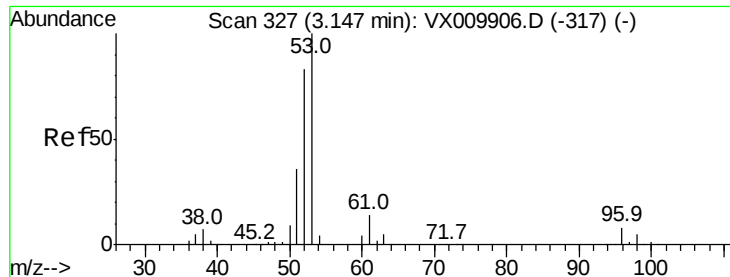
Ion Ratio Lower Upper

41 100

39 60.1 46.7 70.1

76 25.6 21.0 31.4





#15

Acrylonitrile

Concen: 89.244 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

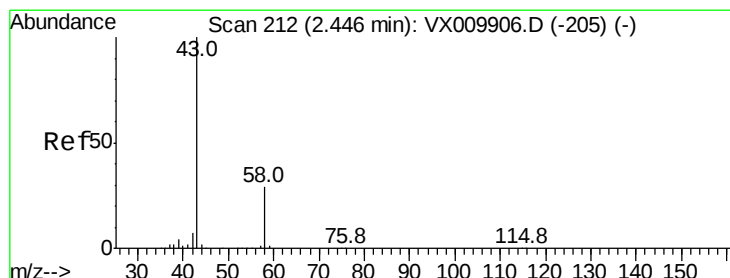
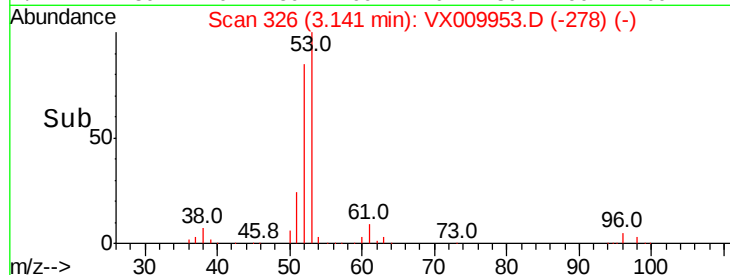
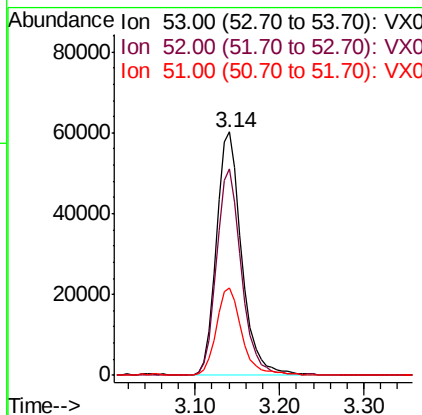
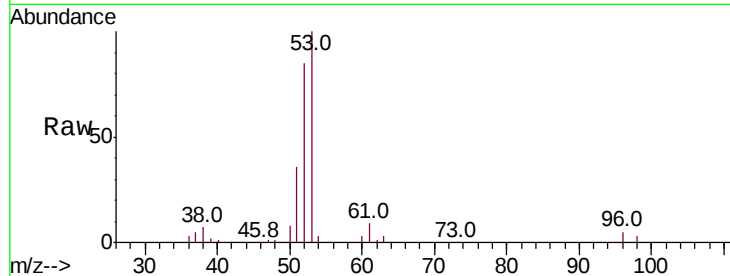
ClientSampleId :

VX0530WBS01

Tot Ion:	53	Resp:	124566
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.7	100.1
51	36.5	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:23:47 AM



#16

Acetone

Concen: 92.499 ug/l

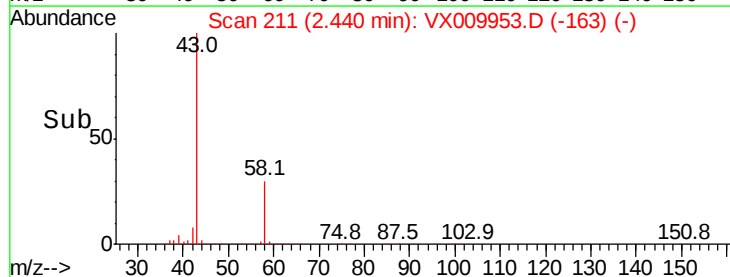
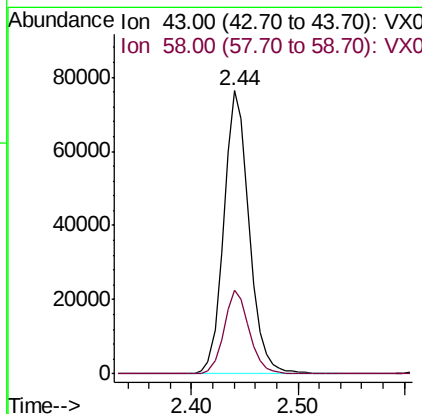
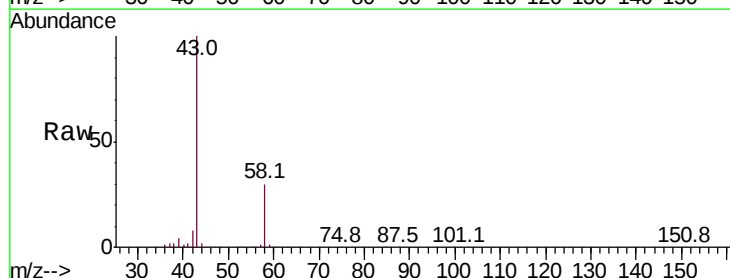
RT: 2.44 min Scan# 211

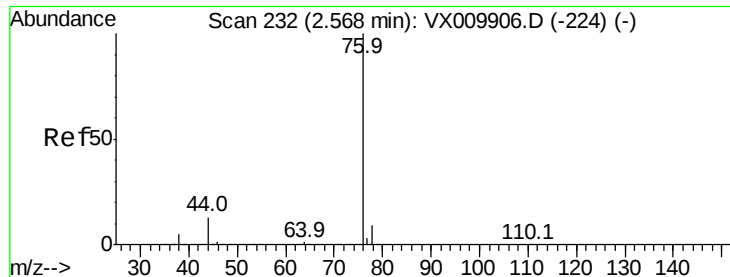
Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Tgt Ion:	43	Resp:	125801
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.2	34.8





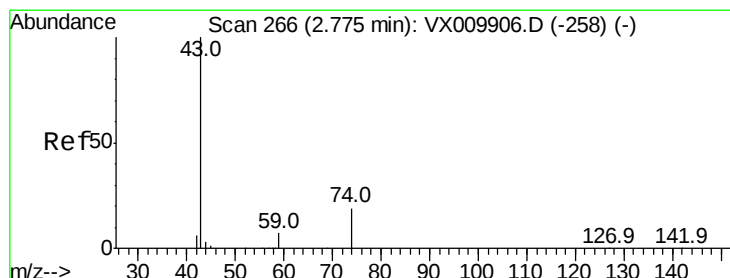
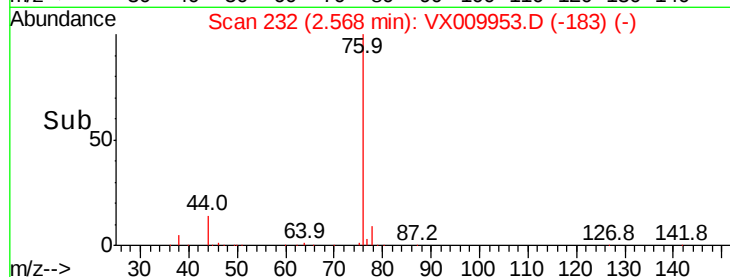
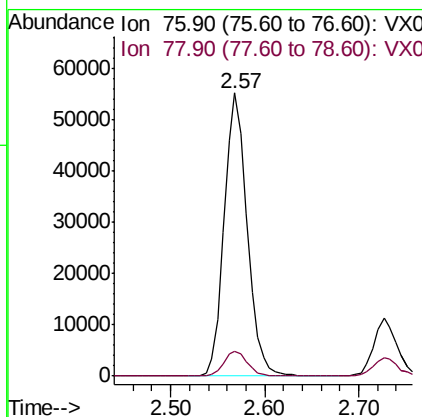
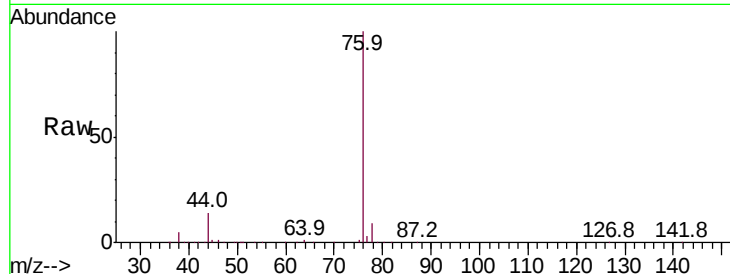
#17
Carbon Disulfide
Concen: 18.525 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

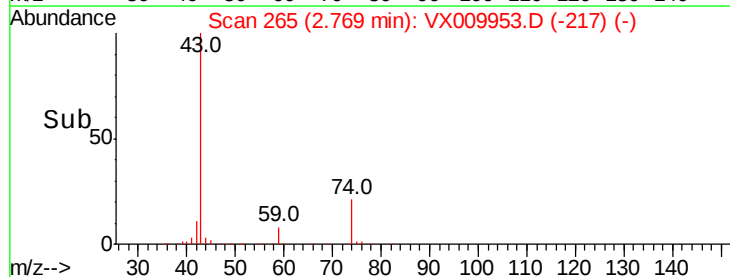
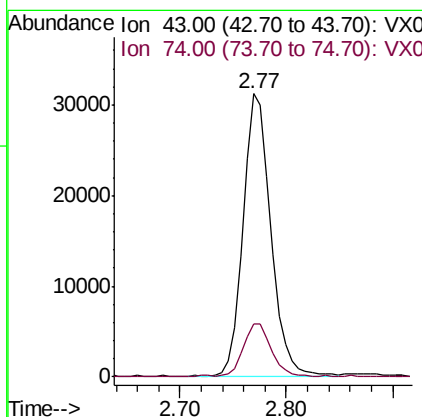
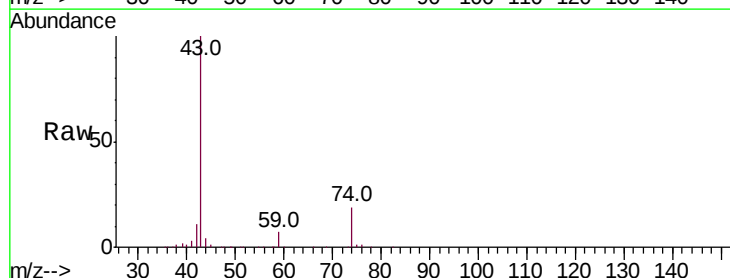
Manual Integrations
APPROVED

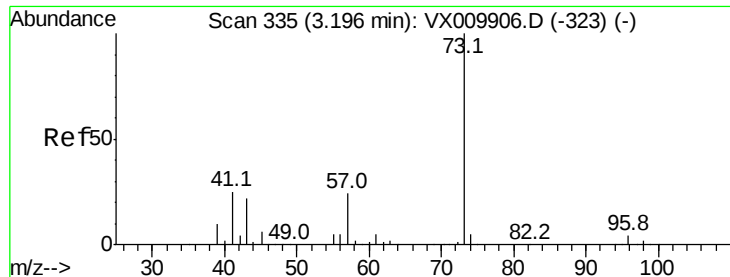
MMDadoda
5/31/2019 9:23:47 AM



#18
Methyl Acetate
Concen: 18.213 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	15.8	23.6





#19

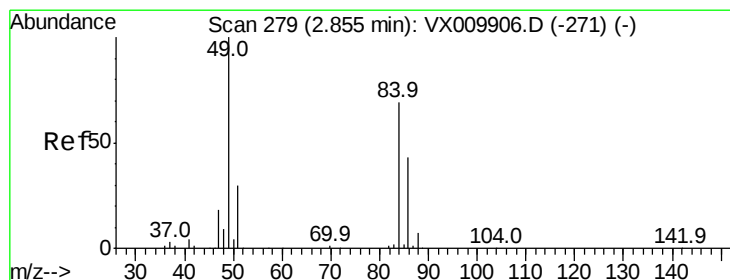
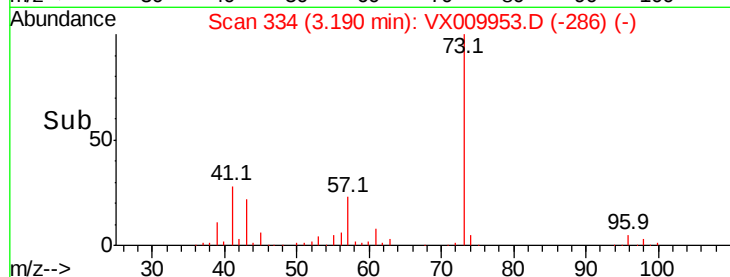
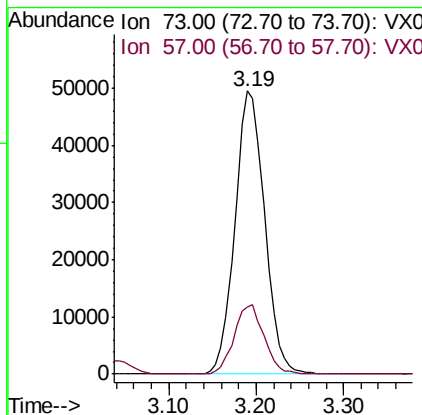
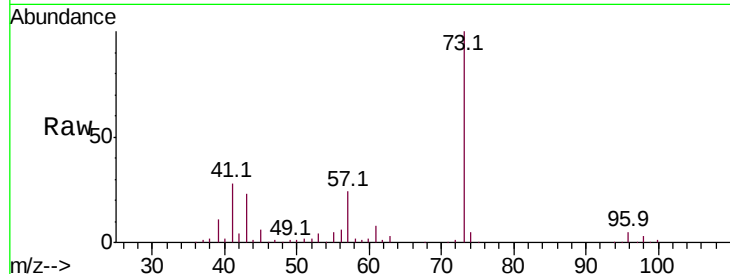
Methyl tert-butyl Ether
 Concen: 18.389 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.4	29.2

Manual Integrations
 APPROVED

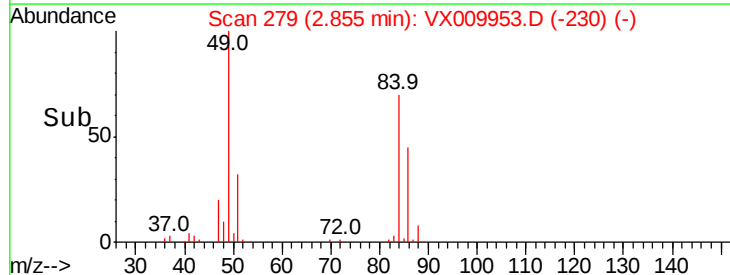
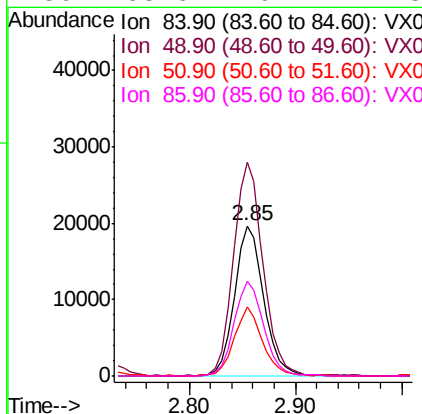
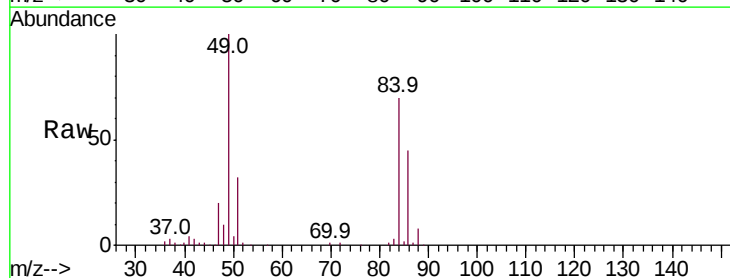
MMDadoda
 5/31/2019 9:23:47 AM

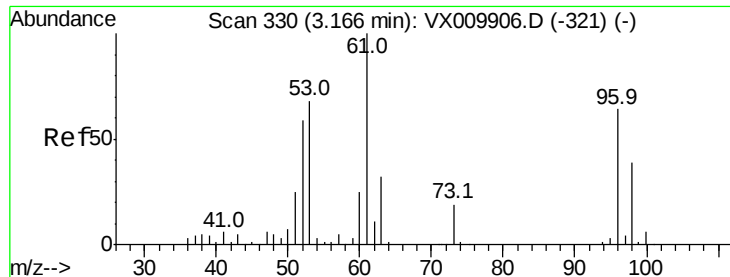


#20

Methylene Chloride
 Concen: 18.161 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.9	115.8	173.6
51	45.7	34.4	51.6
86	63.6	49.7	74.5





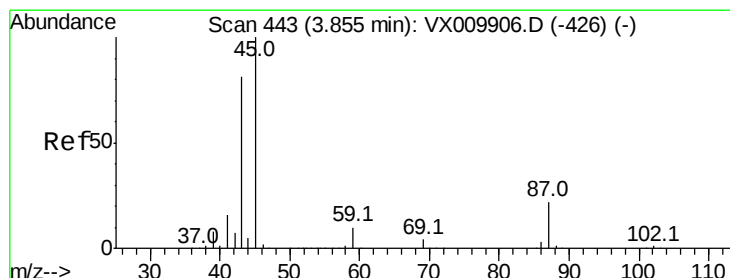
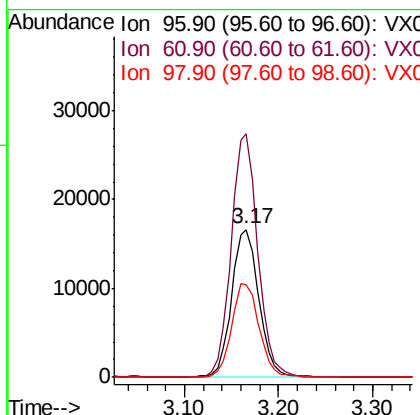
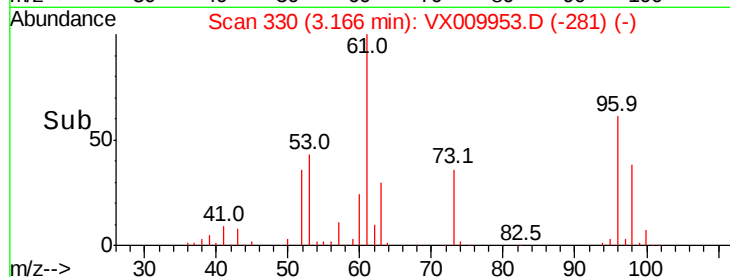
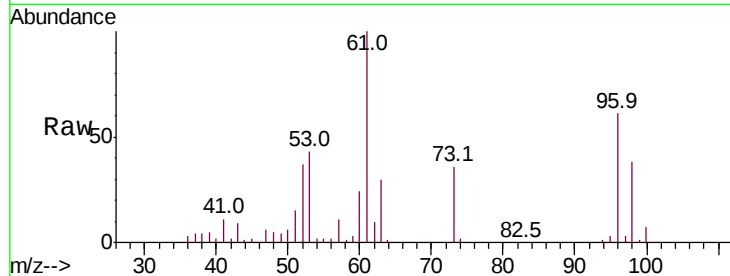
#21
trans-1,2-Dichloroethene
Concen: 17.840 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.3	125.7	188.5
98	62.7	49.0	73.6

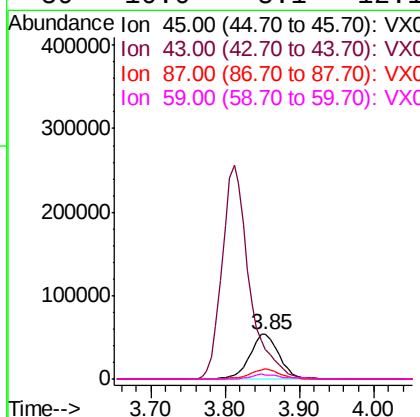
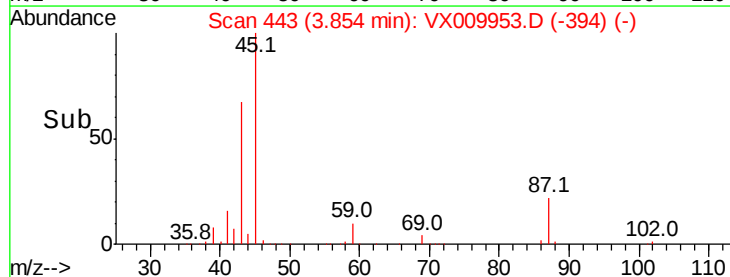
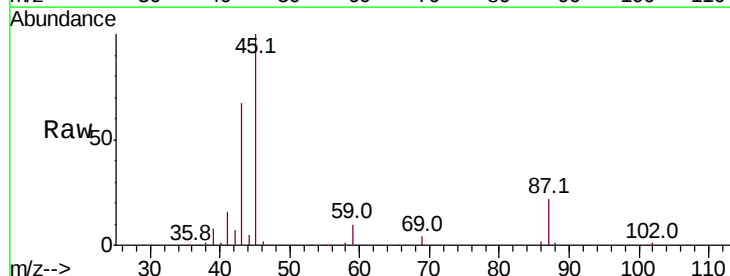
Manual Integrations
APPROVED

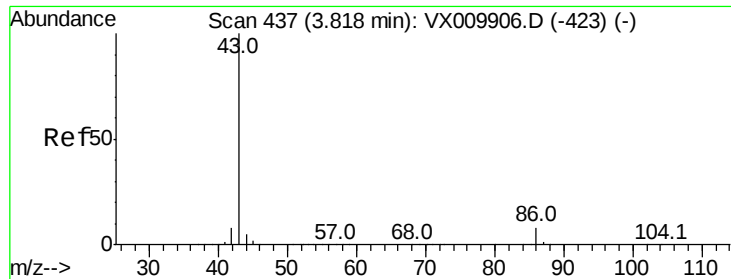
MMDadoda
5/31/2019 9:23:47 AM



#22
Diisopropyl ether
Concen: 19.087 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.2	65.0	97.4
87	22.1	17.3	25.9
59	10.0	8.1	12.1





#23

Vinyl Acetate

Concen: 93.574 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 43 Resp: 656043

Ion Ratio Lower Upper

43 100

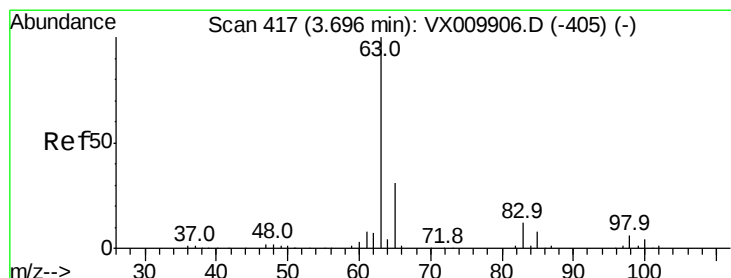
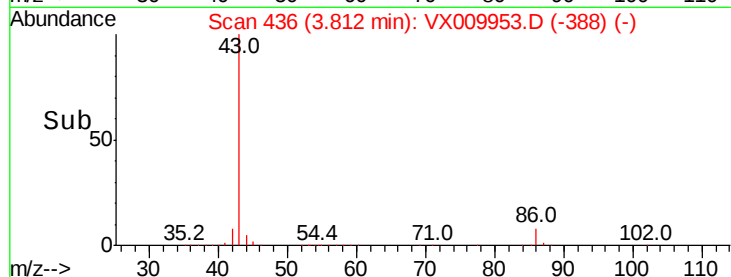
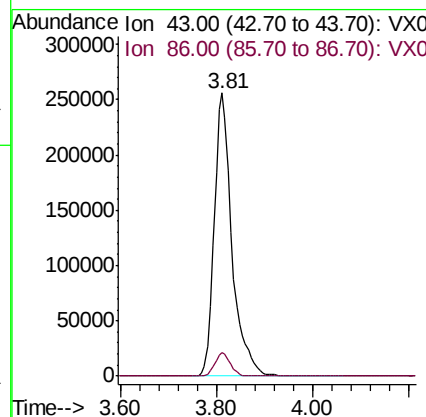
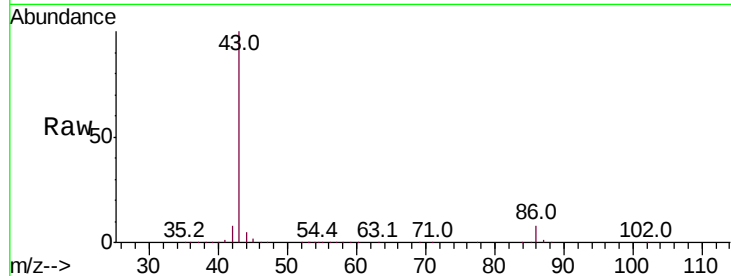
86 8.1 6.5 9.7

Manual Integrations

APPROVED

MMDadoda

5/31/2019 9:23:47 AM



#24

1,1-Dichloroethane

Concen: 18.647 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

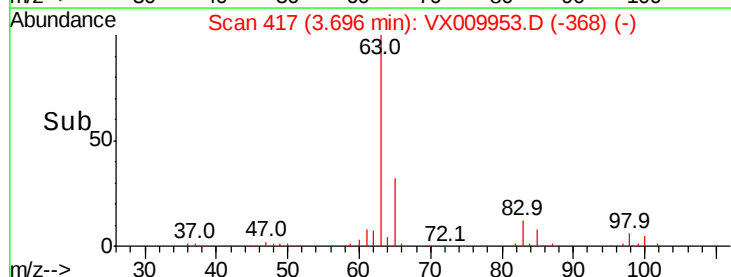
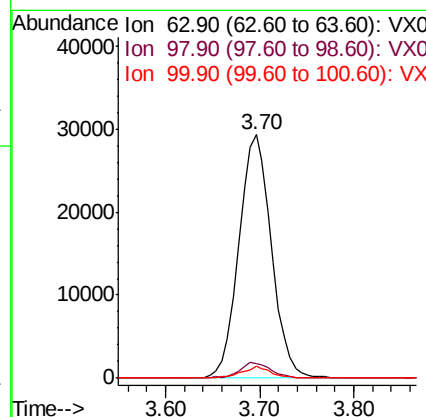
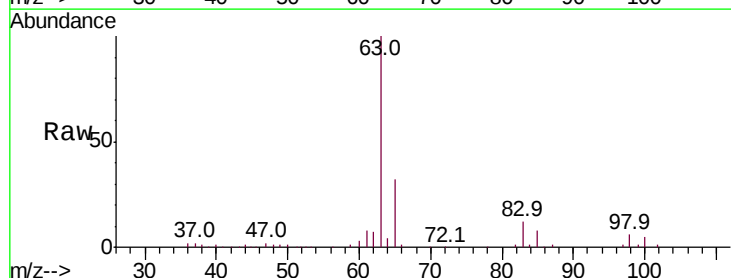
Tgt Ion: 63 Resp: 70524

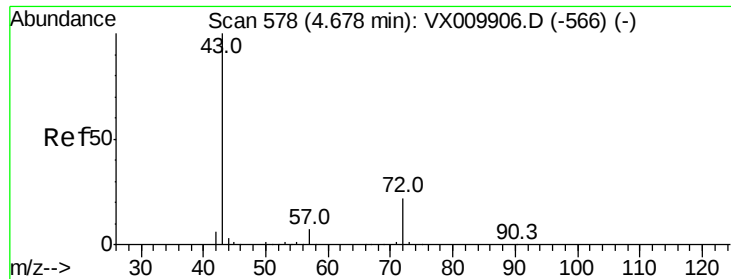
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 4.7 1.8 5.4





#25

2-Butanone

Concen: 89.323 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 43 Resp: 189266

Ion Ratio Lower Upper

43 100

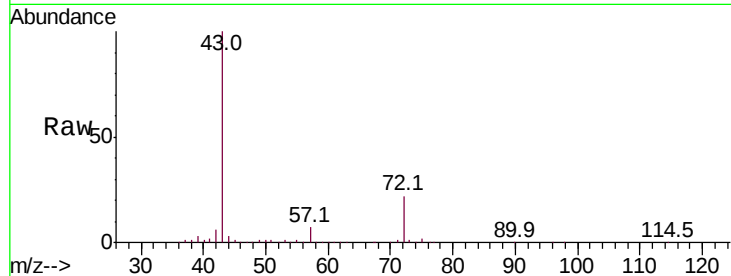
72 22.1 17.5 26.3

Manual Integrations

APPROVED

MMDadoda

5/31/2019 9:23:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

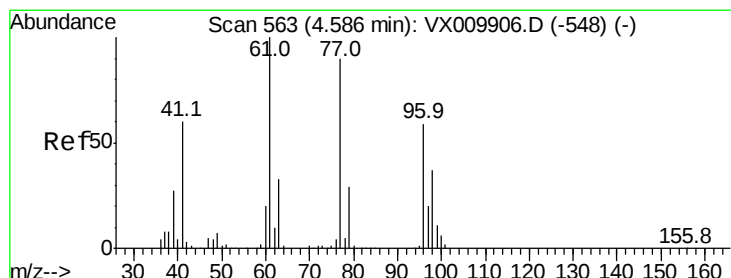
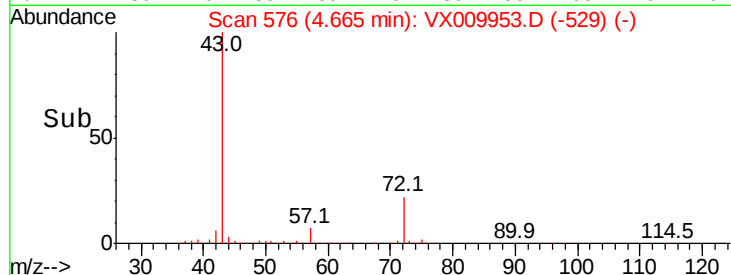
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 18.622 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009953.D

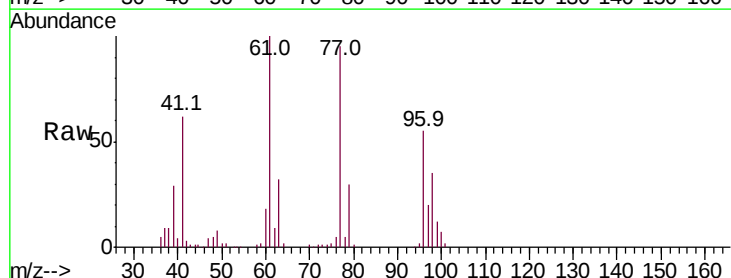
Acq: 30 May 2019 12:20

Tgt Ion: 77 Resp: 53276

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

20000

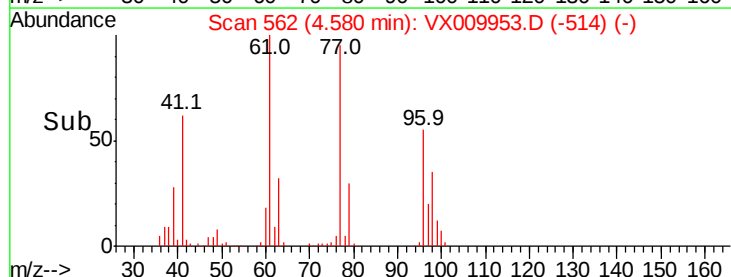
15000

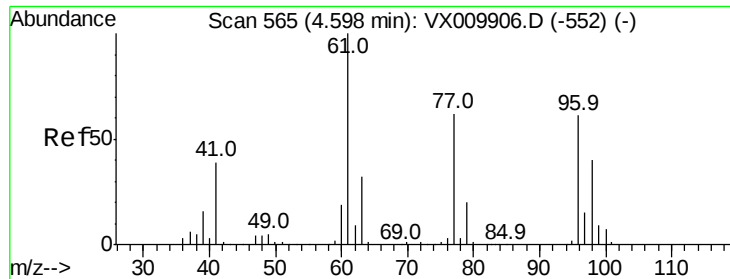
10000

5000

0

Time-->





#27

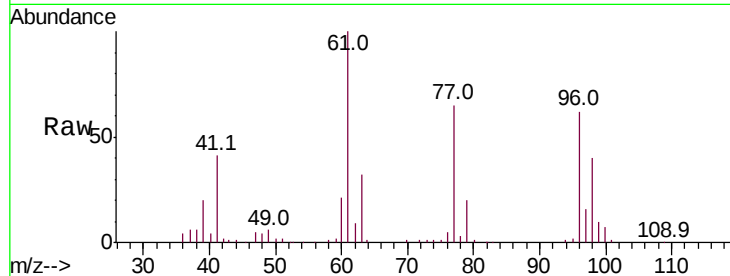
cis-1,2-Dichloroethene
 Concen: 17.641 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	38236		
61	167.8	0.0	334.0	
98	64.3	0.0	131.6	

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:23:47 AM

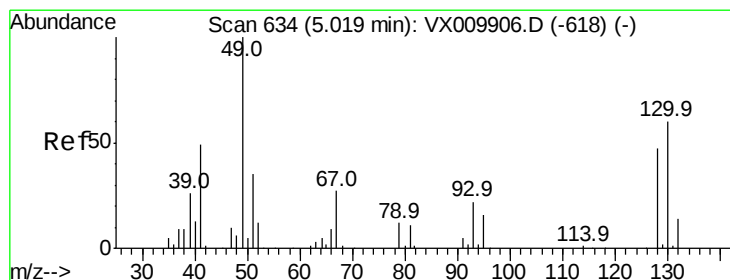
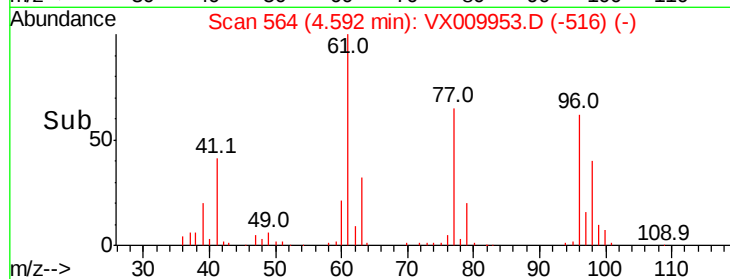
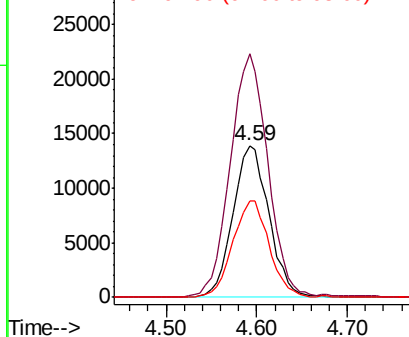


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

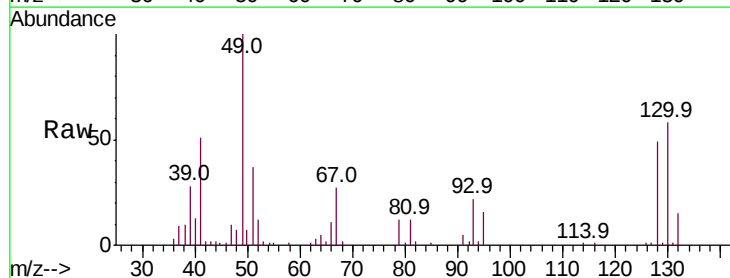
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 17.388 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34127		
129	1.5	0.0	3.4	
130	59.7	49.4	74.2	

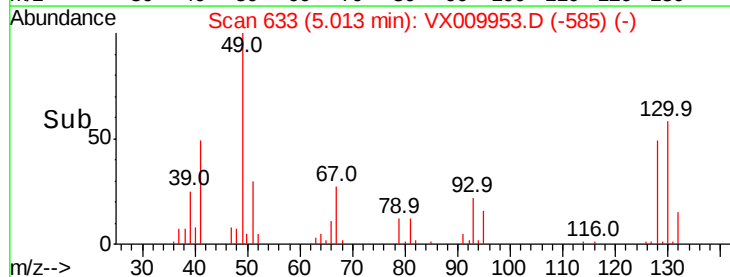
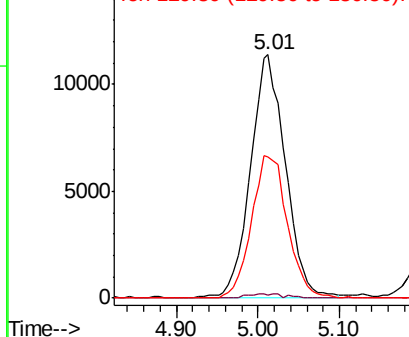


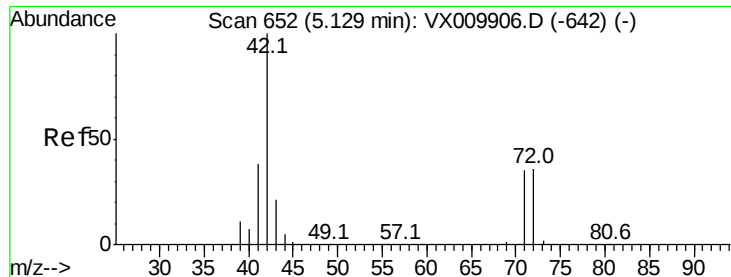
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 89.138 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

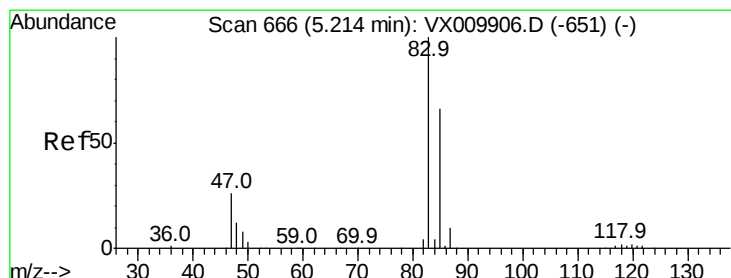
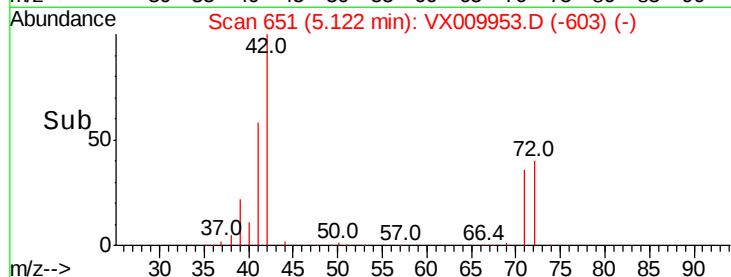
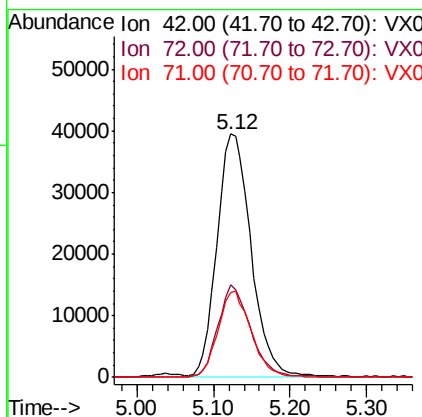
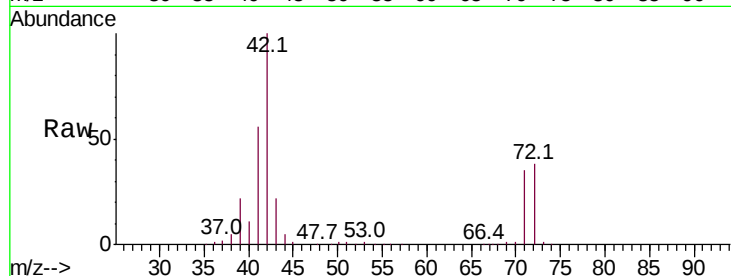
ClientSampleId :

VX0530WBS01

Tot Ion:	42	Resp:	121118
Ion	Ratio	Lower	Upper
42	100		
72	36.8	29.2	43.8
71	34.5	27.6	41.4

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:23:47 AM



#30

Chloroform

Concen: 18.711 ug/l

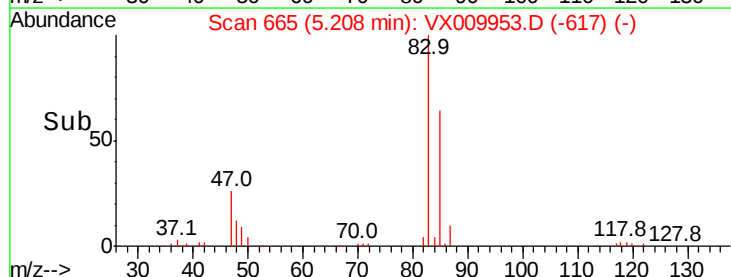
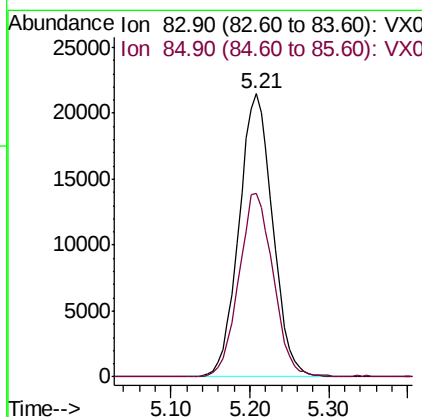
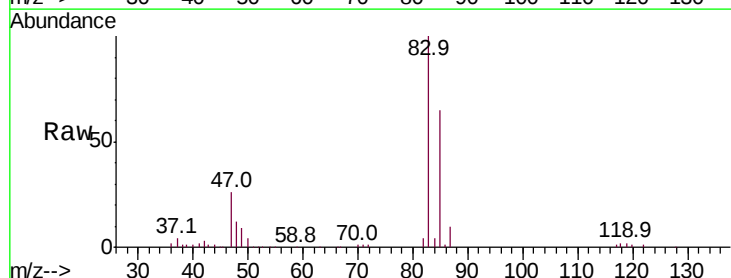
RT: 5.21 min Scan# 665

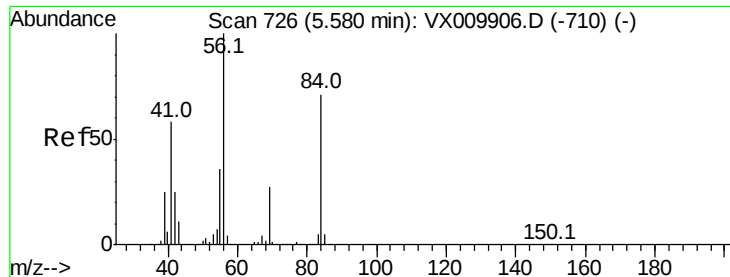
Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Tgt Ion:	83	Resp:	63821
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8





#31

Cyclohexane

Concen: 19.986 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

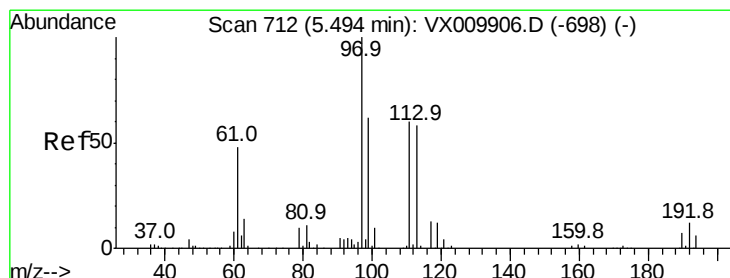
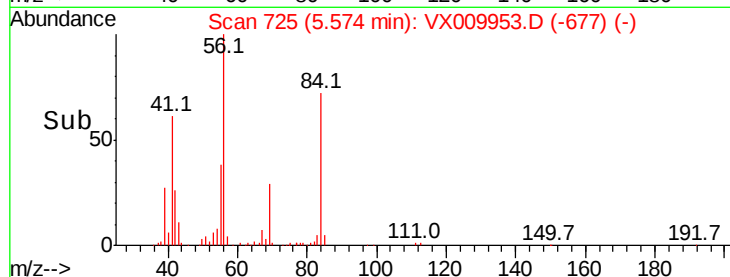
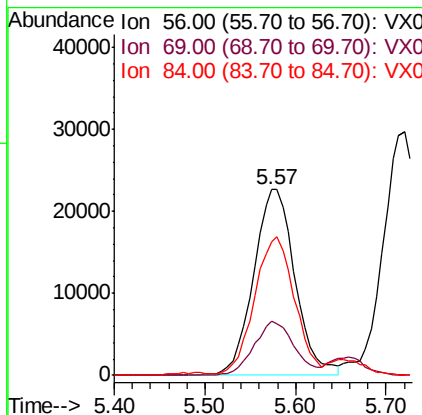
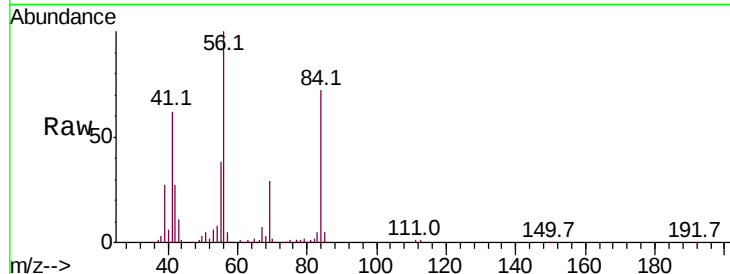
ClientSampleId :

VX0530WBS01

Tot Ion:	56	Resp:	71592
Ion Ratio	Lower	Upper	
56	100		
69	28.6	21.6	32.4
84	71.0	56.8	85.2

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:23:47 AM



#32

1,1,1-Trichloroethane

Concen: 19.143 ug/l

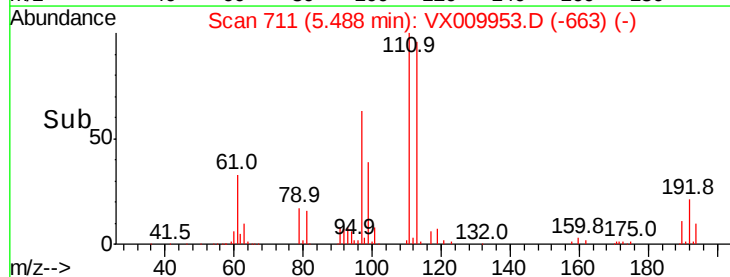
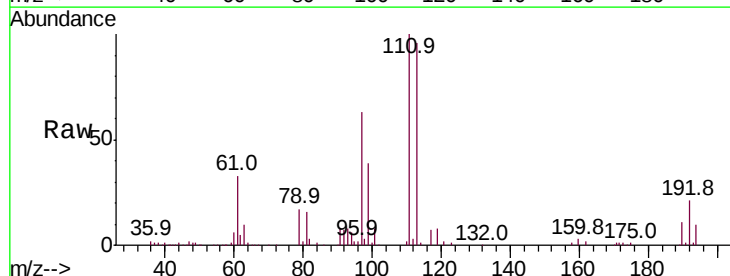
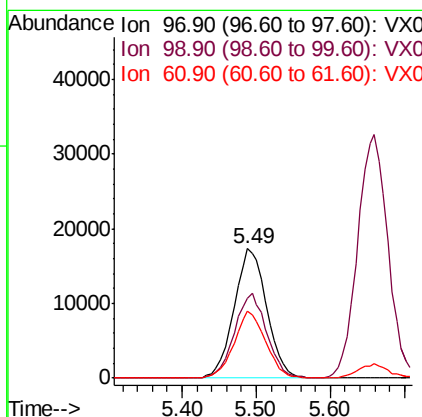
RT: 5.49 min Scan# 711

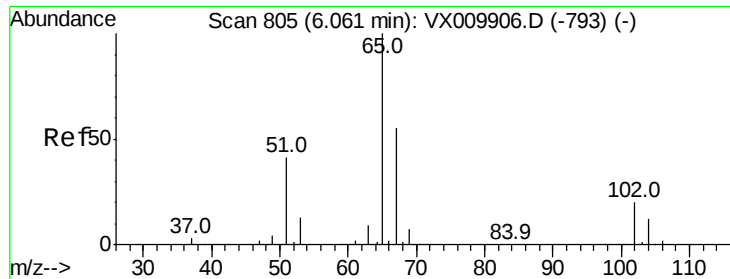
Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Tgt Ion:	97	Resp:	53177
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.0	76.4
61	49.0	38.7	58.1





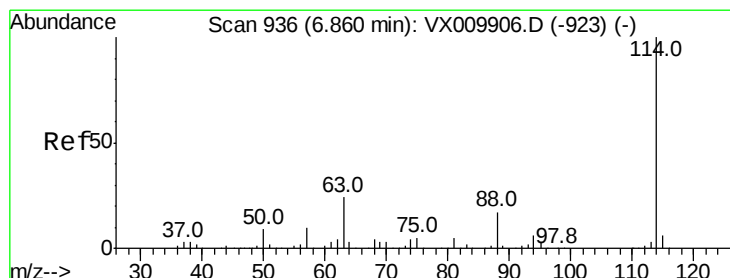
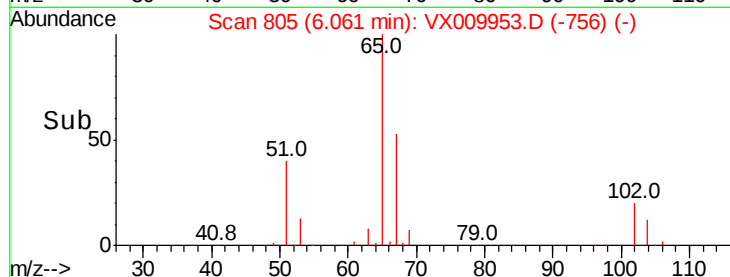
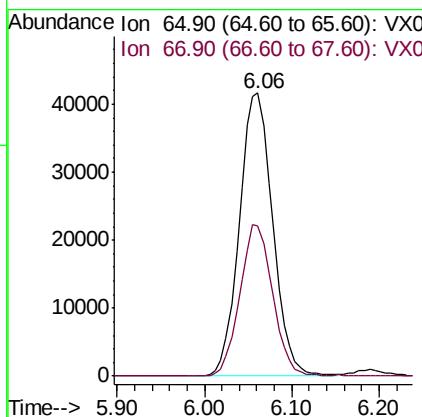
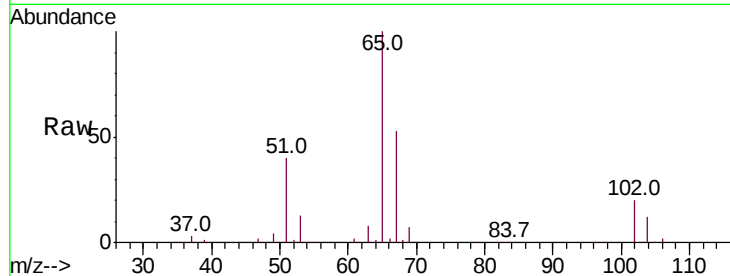
#33
 1,2-Dichloroethane-d4
 Concen: 46.849 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	108.4

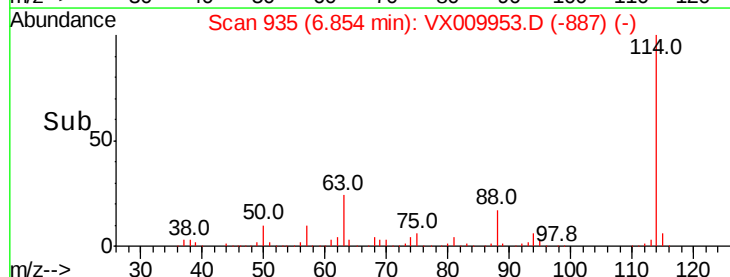
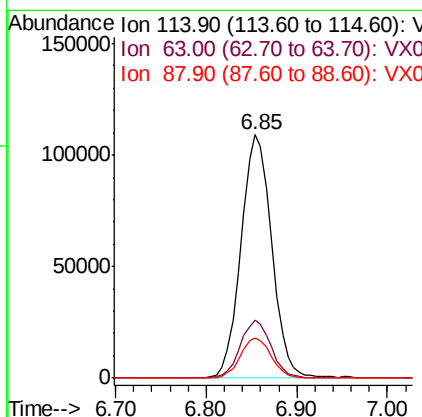
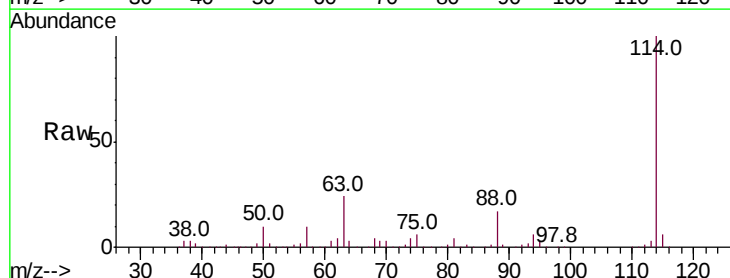
Manual Integrations
 APPROVED

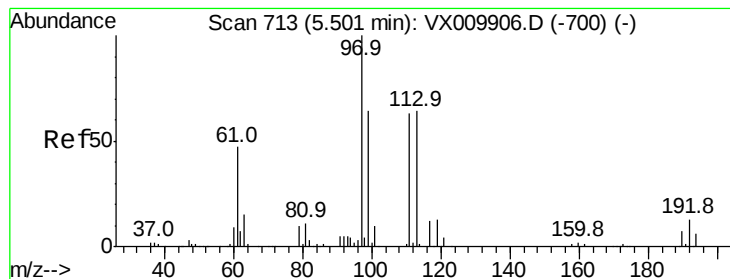
MMDadoda
 5/31/2019 9:23:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	47.4
88	16.5	0.0	33.0





#35

Dibromofluoromethane

Concen: 48.393 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

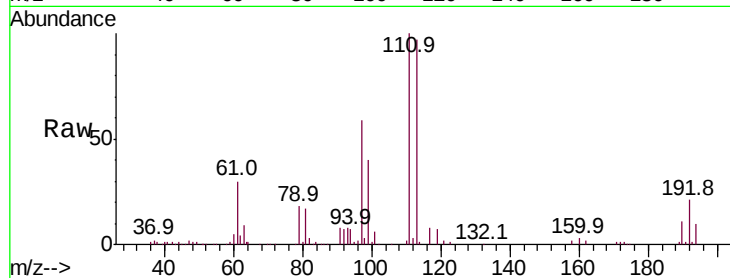
ClientSampleId :

VX0530WBS01

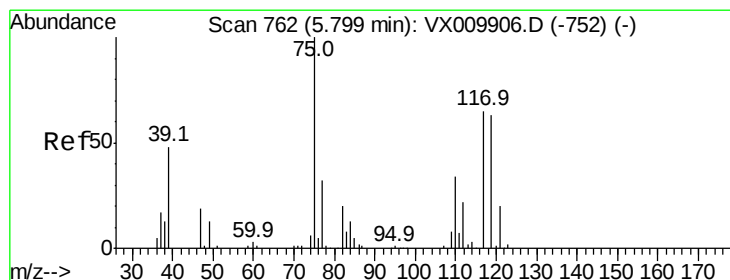
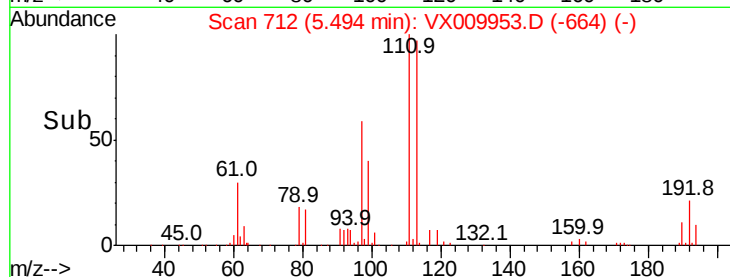
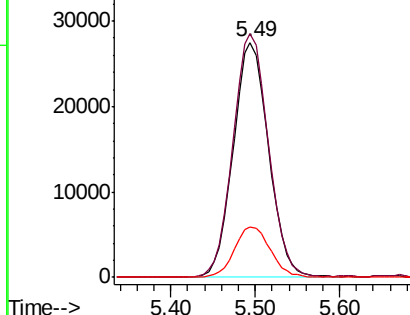
Tot Ion:	113	Resp:	78219
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.2	123.2
192	22.0	17.1	25.7

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:23:47 AM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.227 ug/l

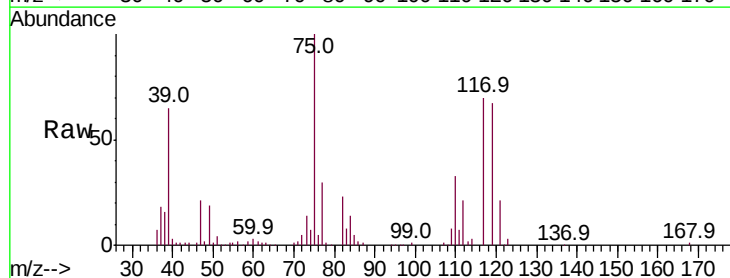
RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

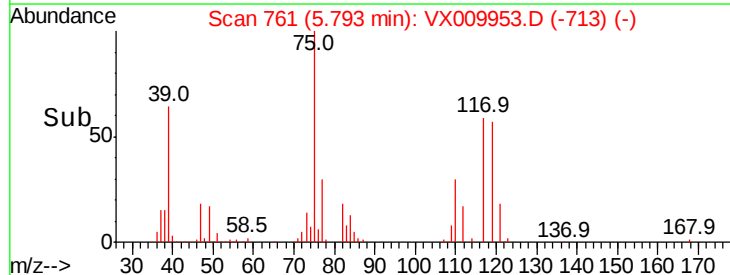
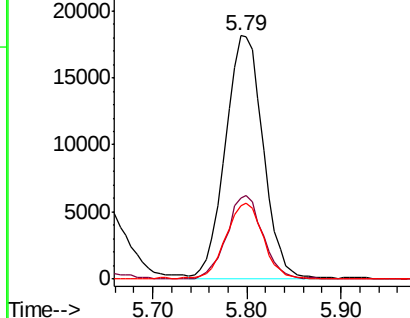
Lab File: VX009953.D

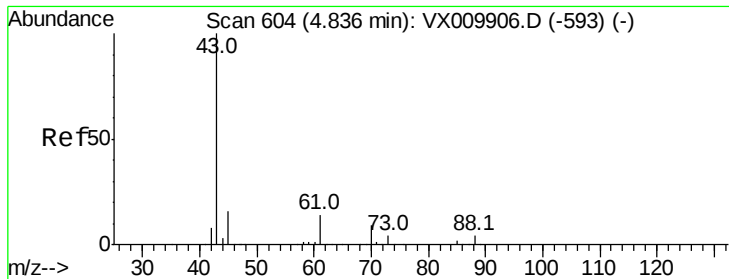
Acq: 30 May 2019 12:20

Tgt Ion:	75	Resp:	50152
Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.7	50.1
77	31.3	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





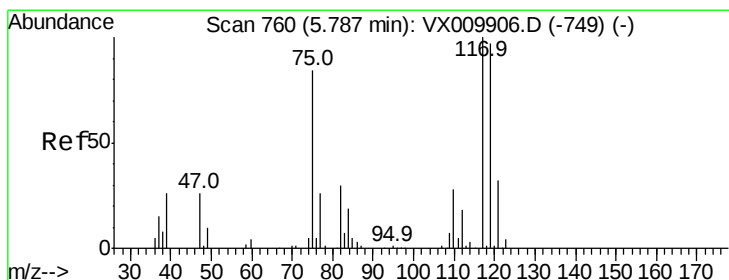
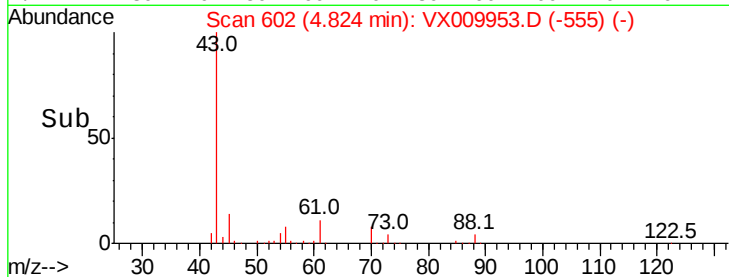
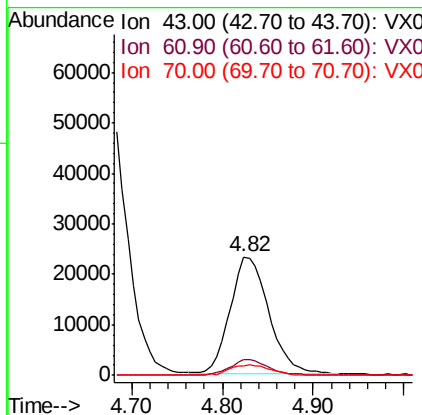
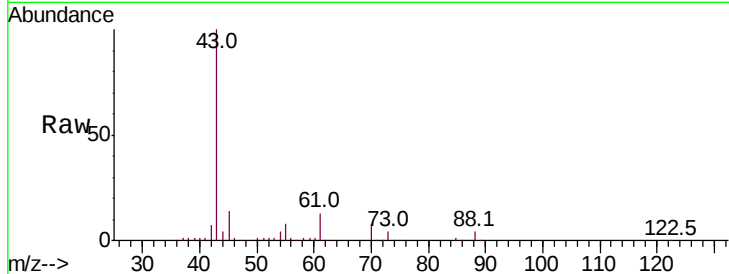
#37
Ethyl Acetate
Concen: 19.017 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.7	7.4	11.2

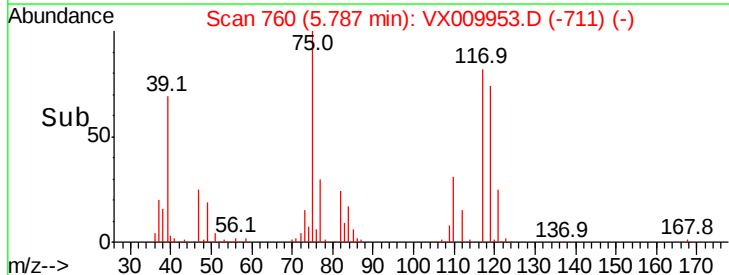
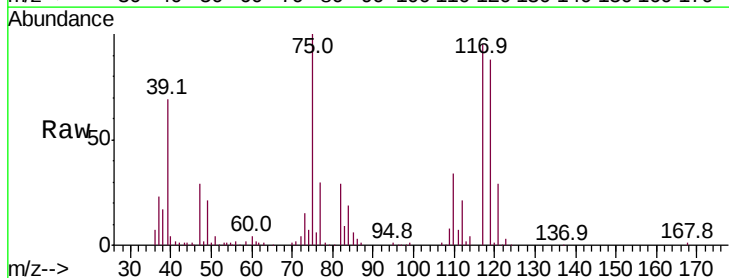
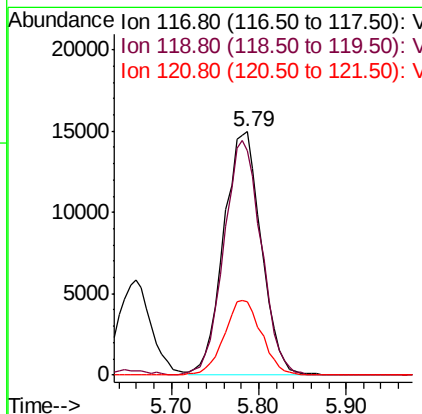
Manual Integrations
APPROVED

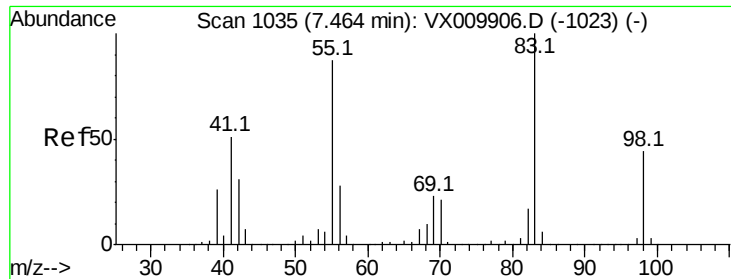
MMDadoda
5/31/2019 9:23:47 AM



#38
Carbon Tetrachloride
Concen: 19.829 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	77.3	115.9
121	30.3	25.4	38.0





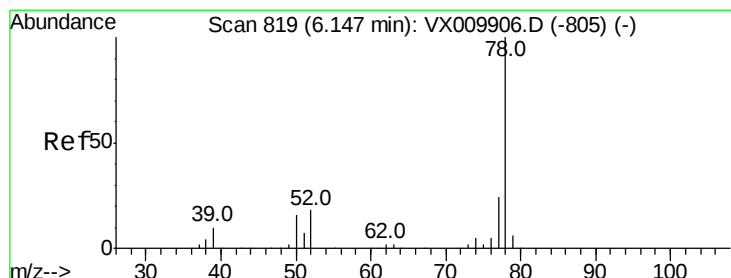
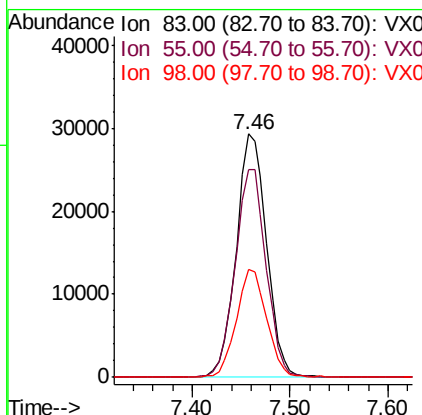
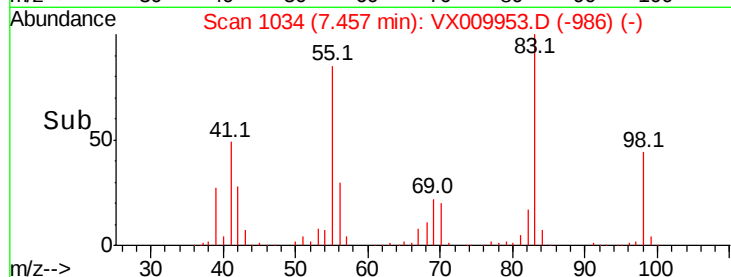
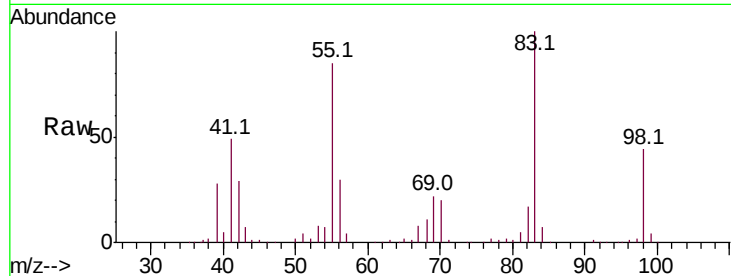
#39
Methvlcvclohexane
Concen: 20.414 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	69.9	104.9
98	44.3	35.1	52.7

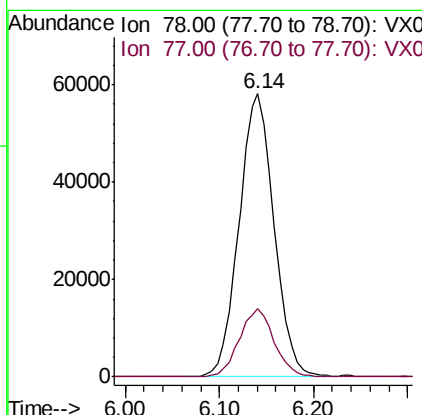
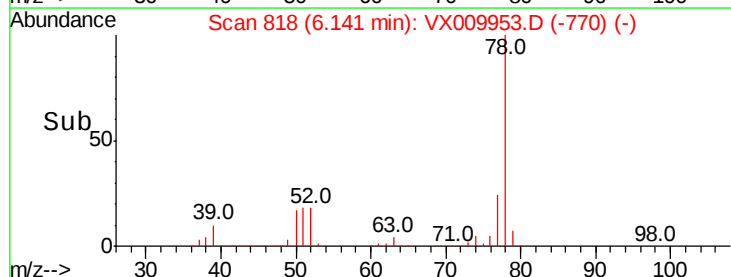
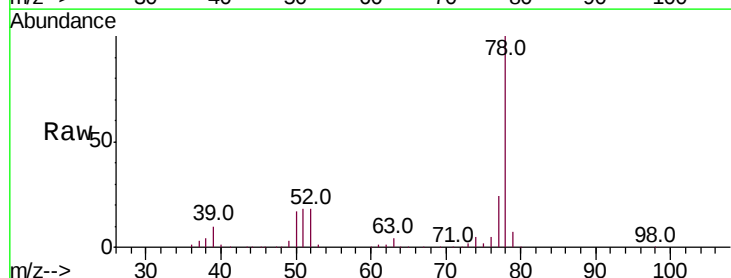
Manual Integrations
APPROVED

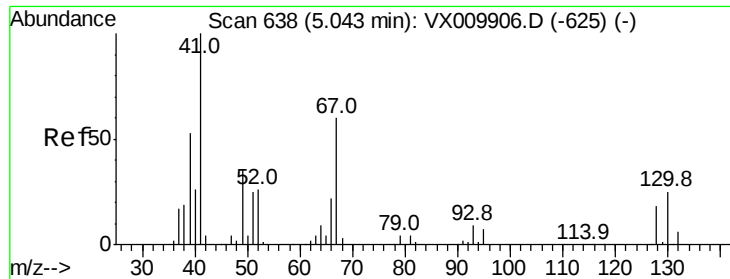
MMDadoda
5/31/2019 9:23:47 AM



#40
Benzene
Concen: 19.495 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





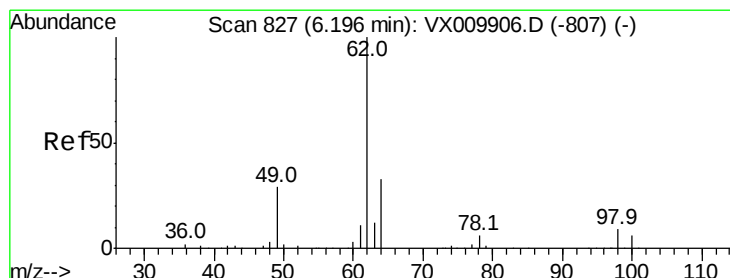
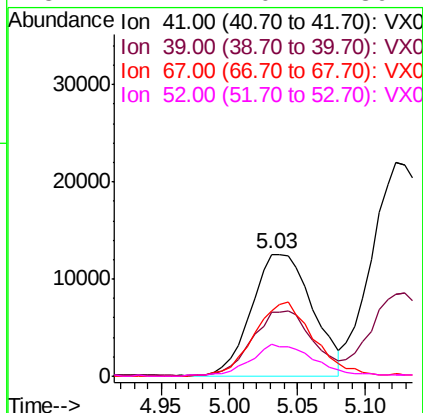
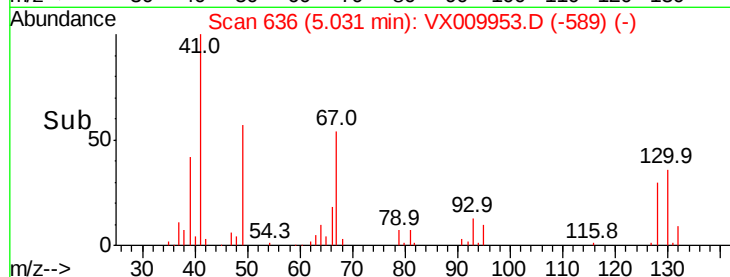
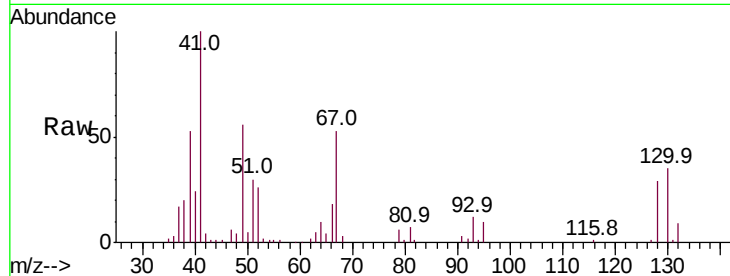
#41
Methacrylonitrile
Concen: 18.423 ug/l
RT: 5.03 min Scan# 636
Delta R.T. -0.01 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.2	63.4	
67	60.2	48.9	73.3	
52	27.2	20.1	30.1	

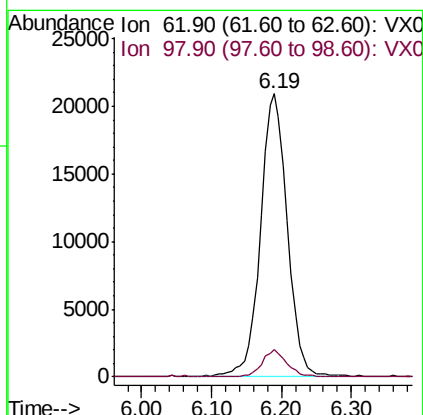
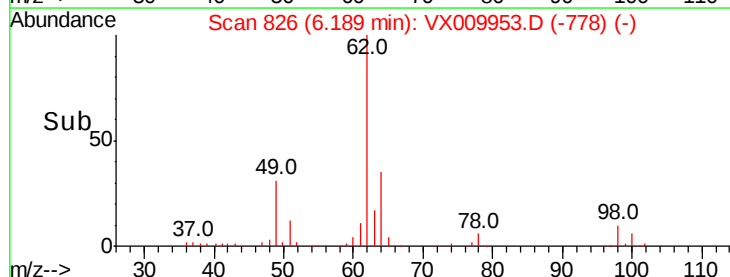
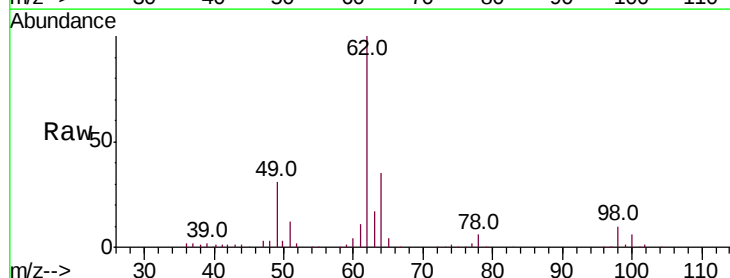
Manual Integrations
APPROVED

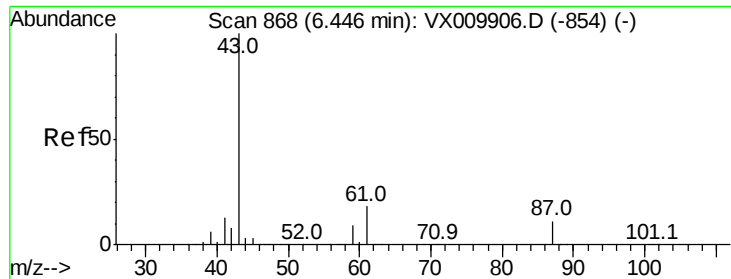
MMDadoda
5/31/2019 9:23:47 AM



#42
1,2-Dichloroethane
Concen: 19.455 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.2	





#43

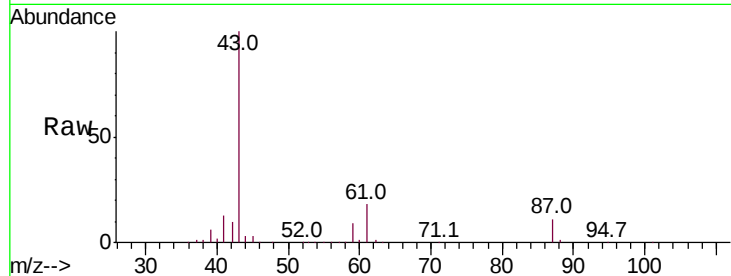
Isopropyl Acetate
 Concen: 18.724 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

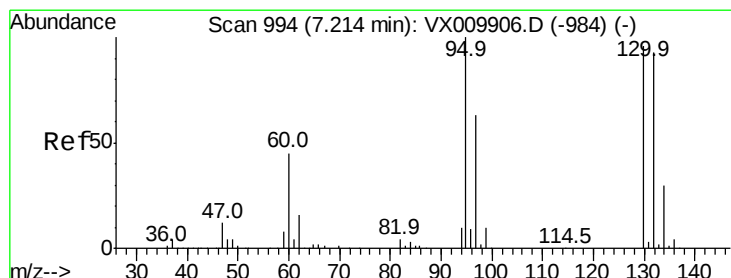
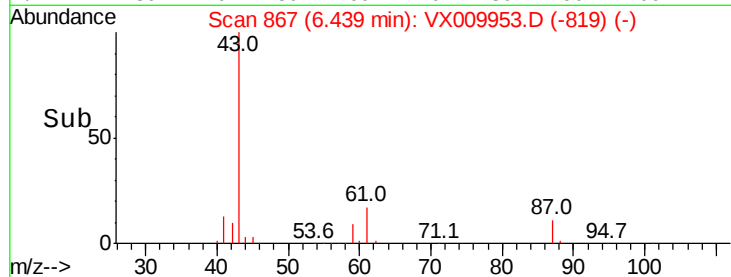
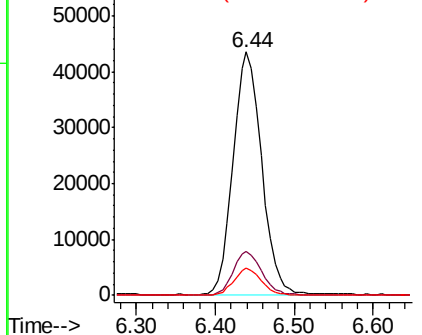
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.6	21.8
87	10.8	8.7	13.1

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:23:47 AM



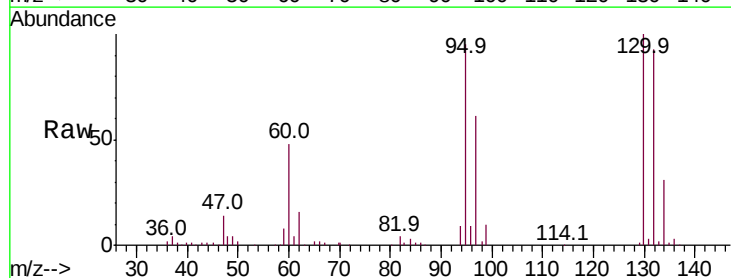
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



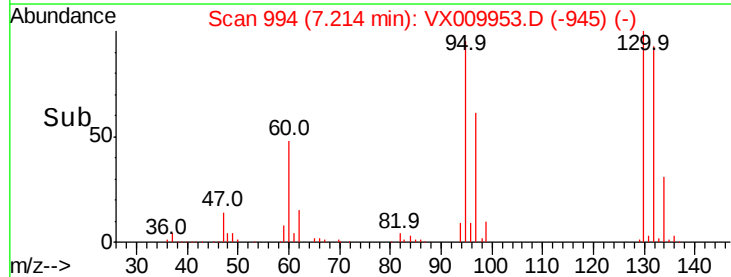
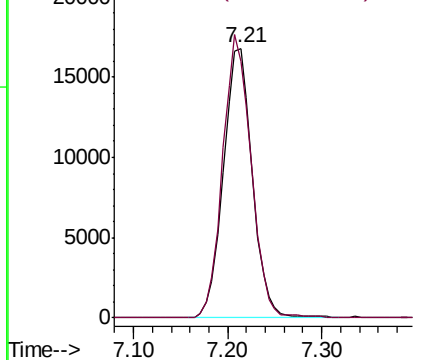
#44

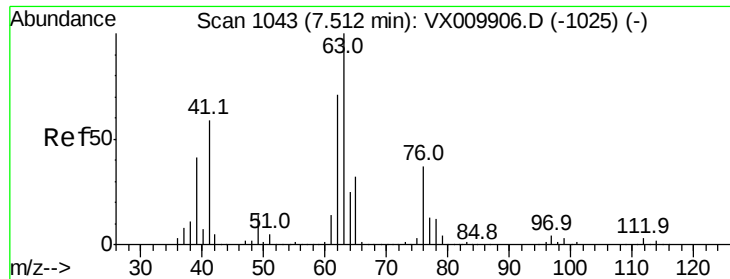
Trichloroethene
 Concen: 19.099 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	207.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 18.913 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 63 Resp: 42128

Ion Ratio Lower Upper

63 100

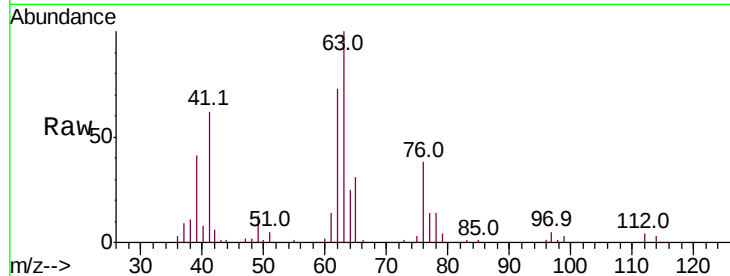
65 31.3 25.7 38.5

Manual Integrations

APPROVED

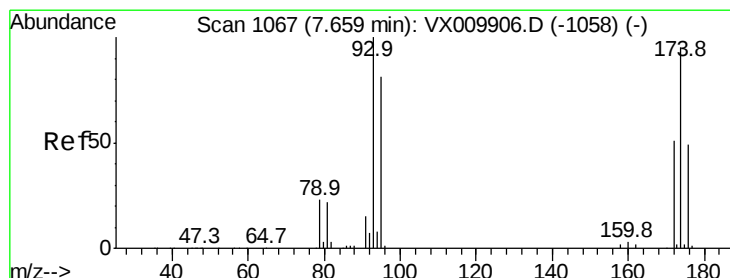
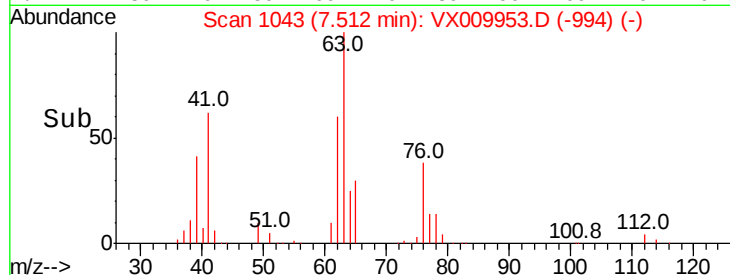
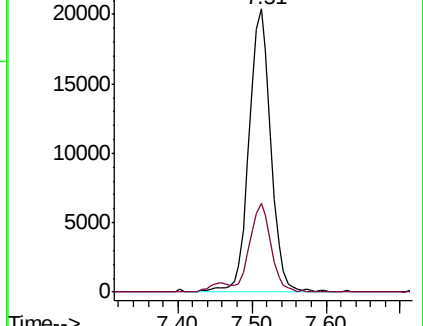
MMDadoda

5/31/2019 9:23:47 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.453 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

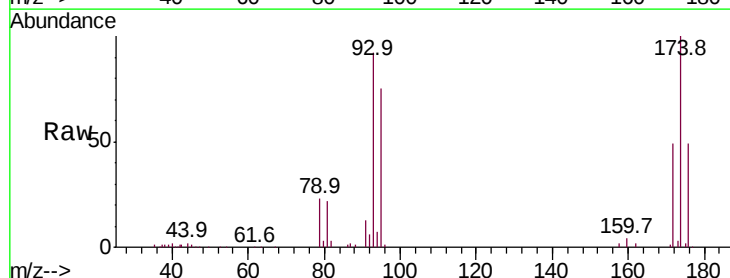
Tgt Ion: 93 Resp: 24195

Ion Ratio Lower Upper

93 100

95 84.4 66.8 100.2

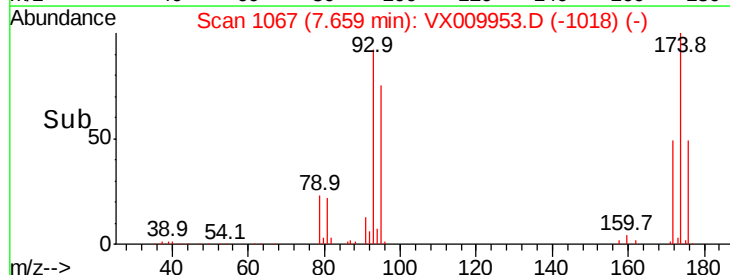
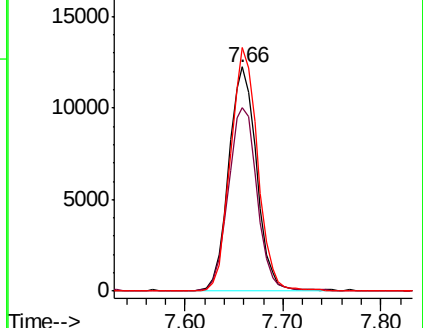
174 105.9 81.9 122.9

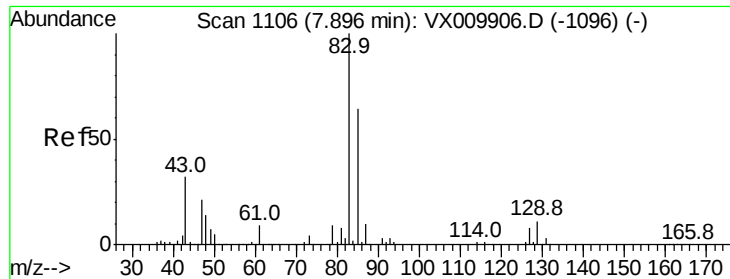


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





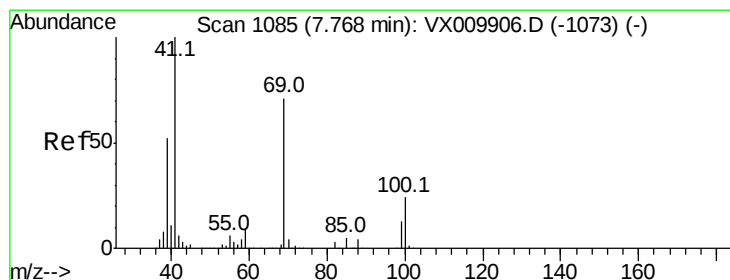
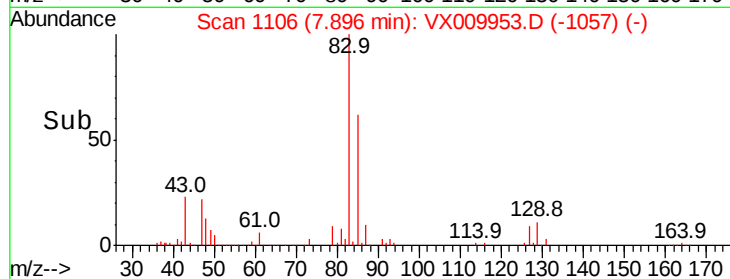
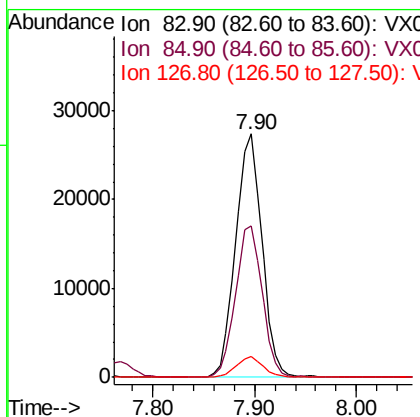
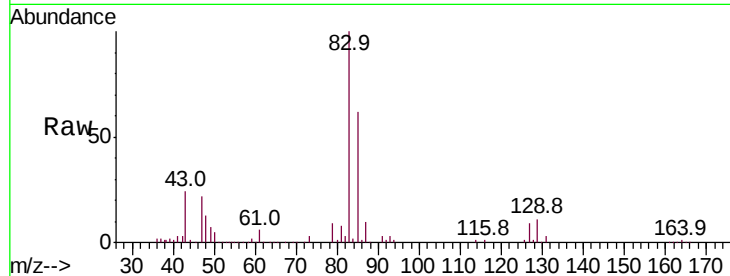
#47
 Bromodichloromethane
 Concen: 19.626 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	83	Resp	48933
Ion Ratio	100	Lower	Upper
83	100		
85	62.1	51.4	77.2
127	8.5	6.4	9.6

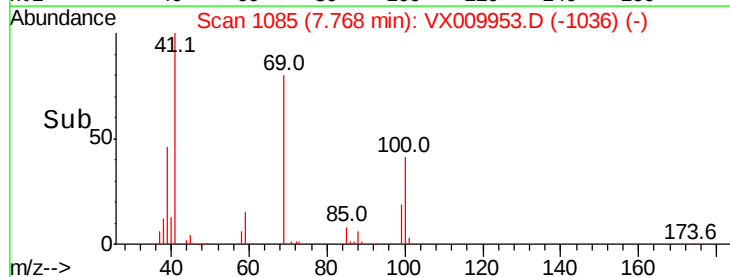
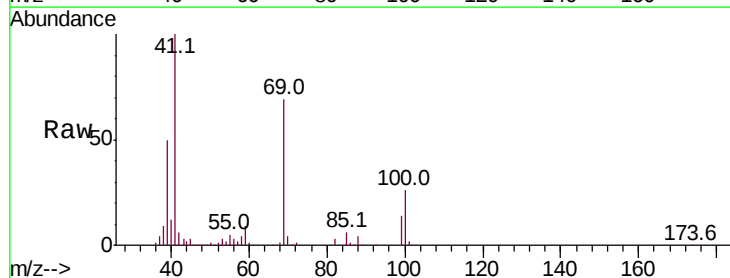
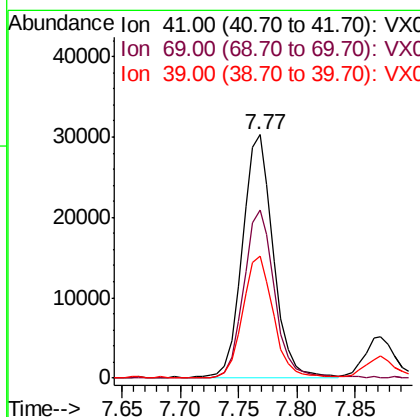
Manual Integrations
 APPROVED

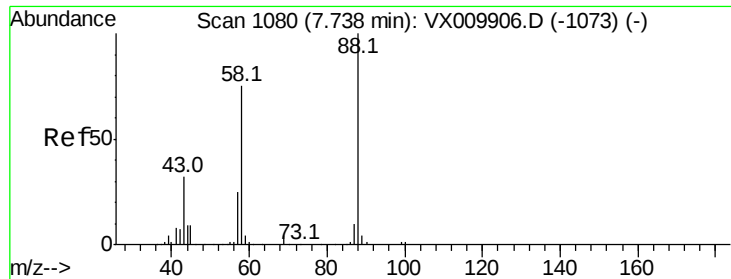
MMDadoda
 5/31/2019 9:23:47 AM



#48
 Methyl methacrylate
 Concen: 18.990 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Tgt Ion	41	Resp	55131
Ion Ratio	100	Lower	Upper
41	100		
69	70.1	56.4	84.6
39	49.5	40.6	60.8





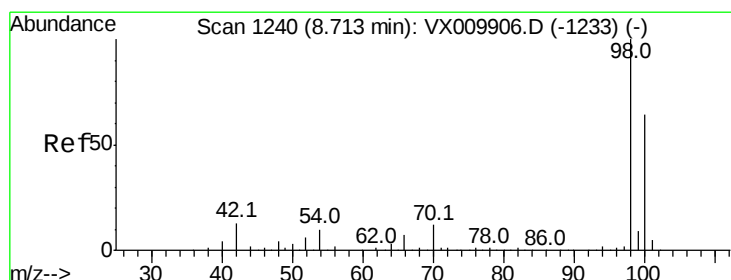
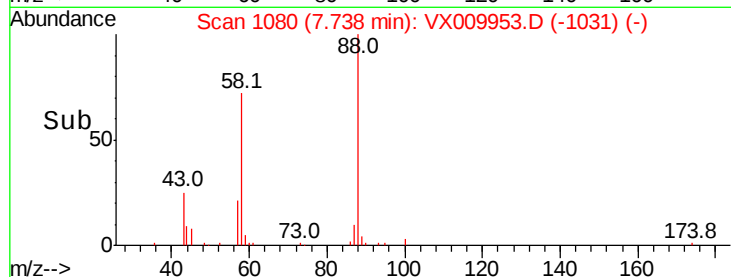
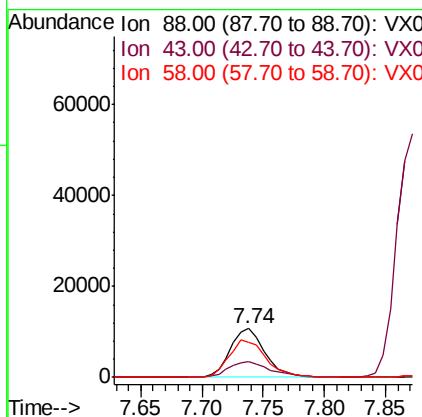
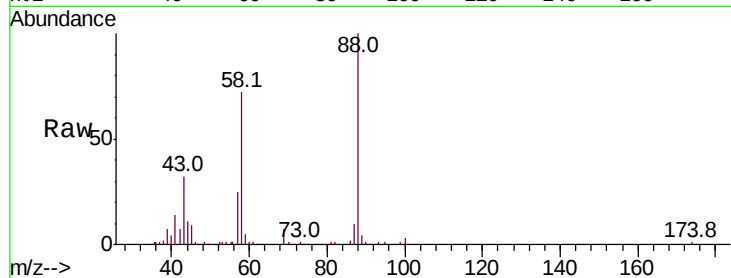
#49
1,4-Dioxane
Concen: 392.549 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.2	45.4
58	82.7	64.0	96.0

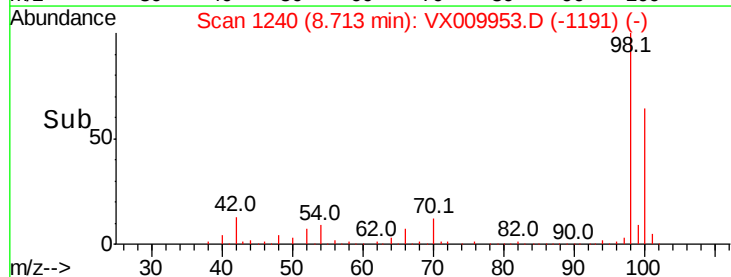
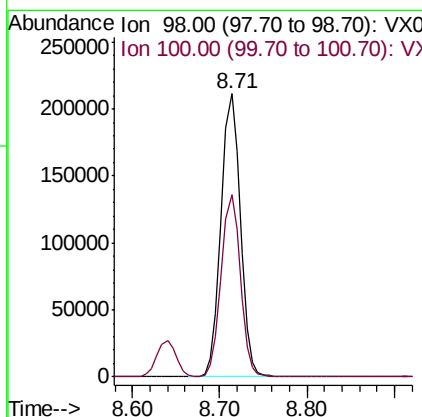
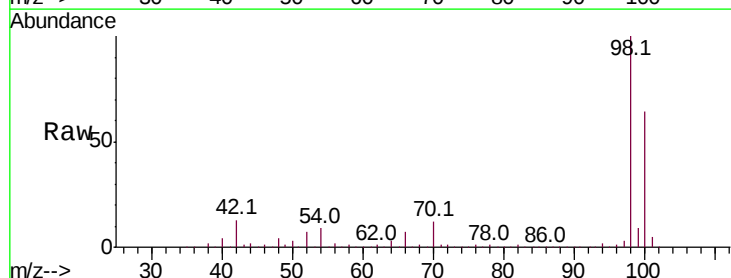
Manual Integrations
APPROVED

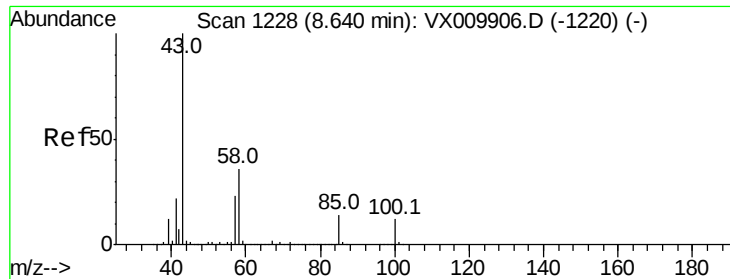
MMDadoda
5/31/2019 9:23:47 AM



#50
Toluene-d8
Concen: 49.557 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3





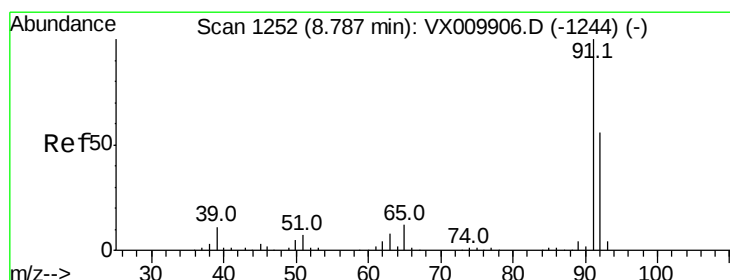
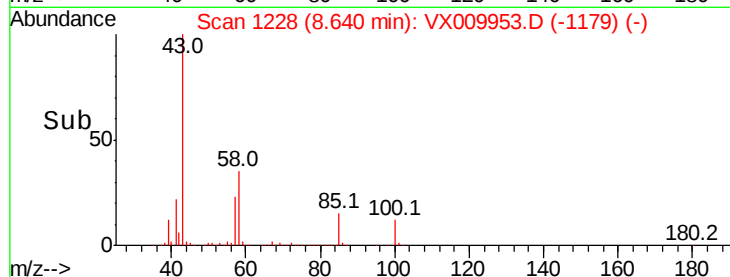
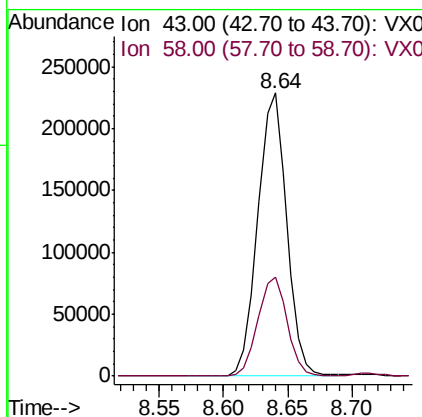
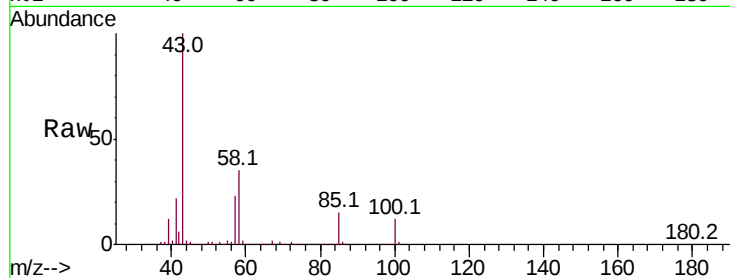
#51
4-Methyl-2-Pentanone
Concen: 92.674 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.8	43.2

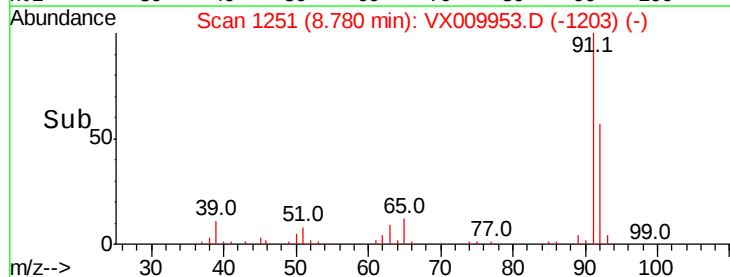
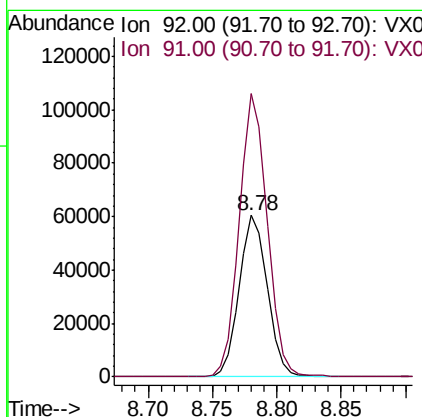
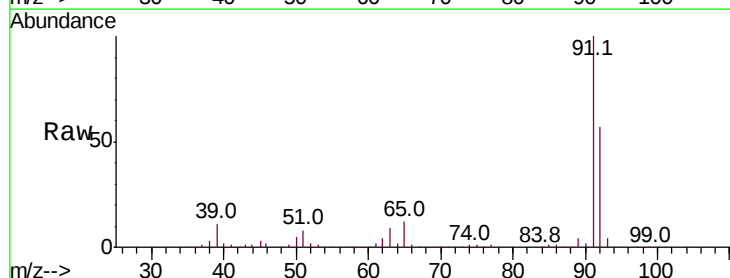
Manual Integrations
APPROVED

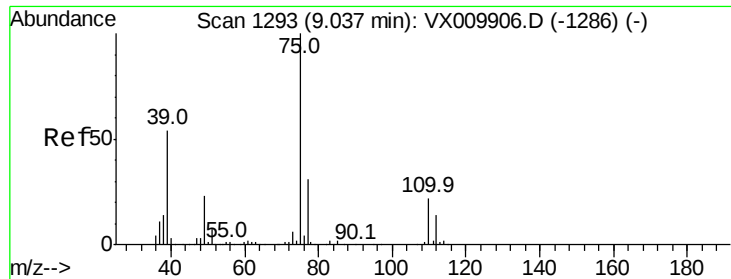
MMDadoda
5/31/2019 9:23:47 AM



#52
Toluene
Concen: 19.560 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.5	139.9	209.9





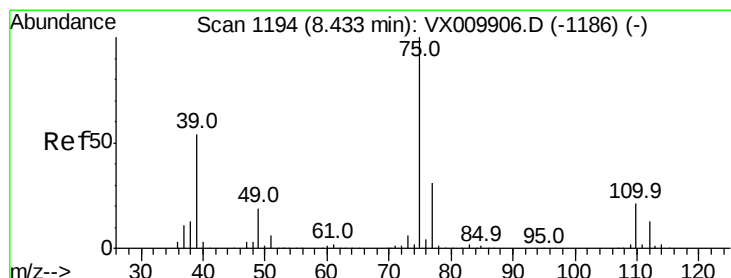
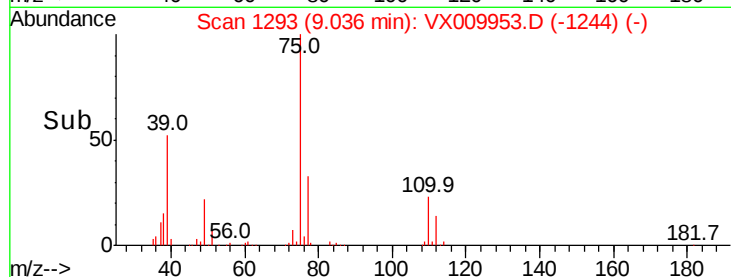
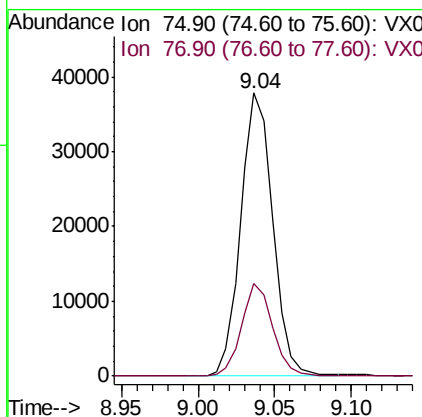
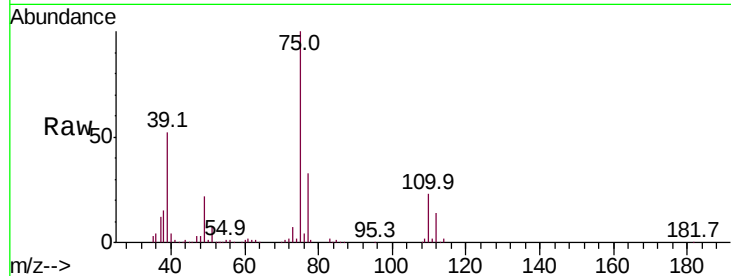
#53
 t-1,3-Dichloropropene
 Concen: 18.377 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.6	36.8

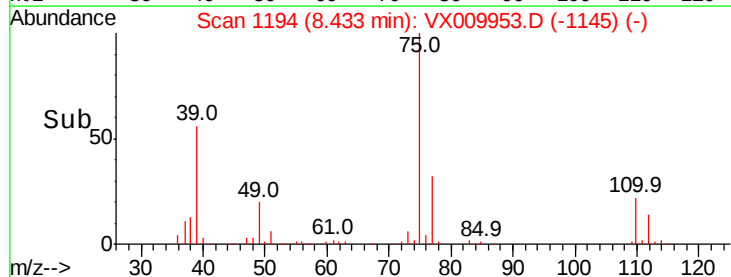
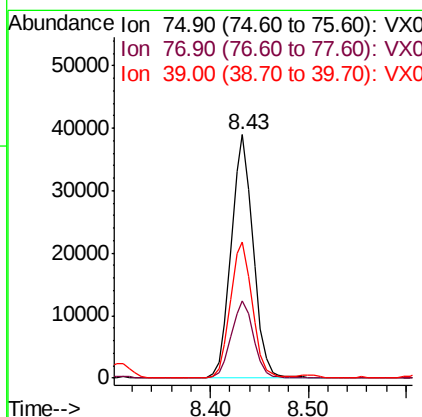
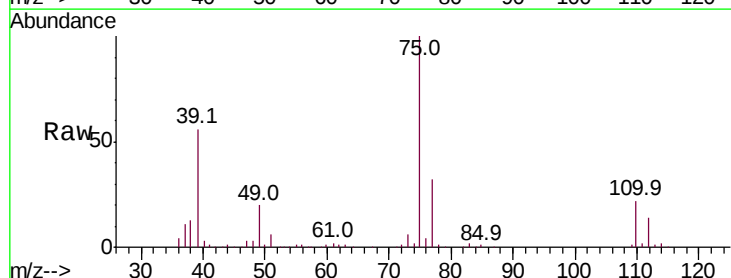
Manual Integrations
 APPROVED

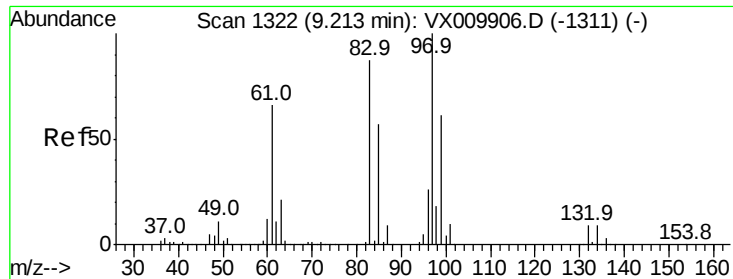
MMDadoda
 5/31/2019 9:23:47 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.674 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.8	37.2
39	55.6	43.4	65.0





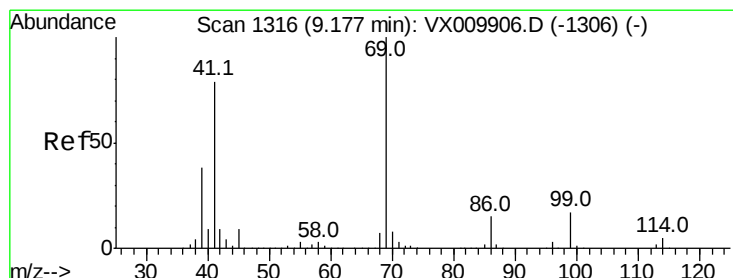
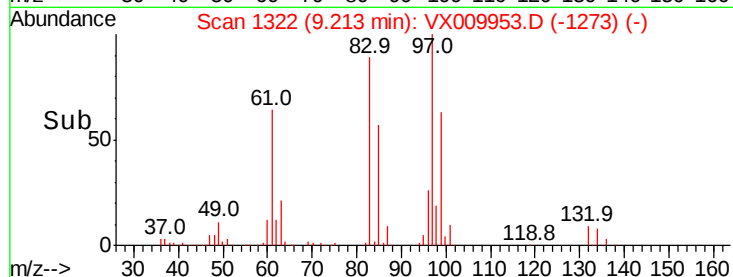
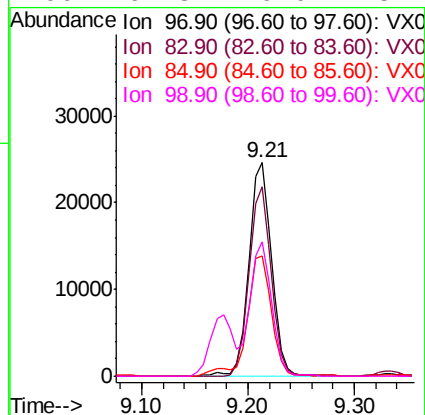
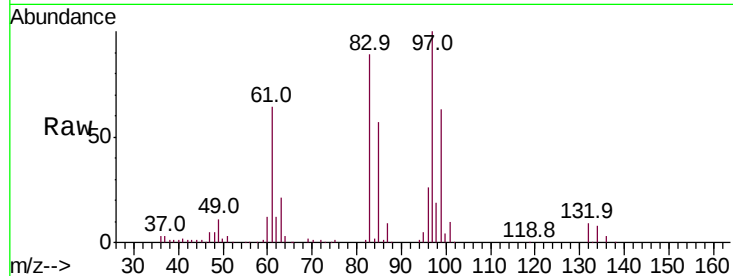
#55
 1,1,2-Trichloroethane
 Concen: 19.395 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion:	97	Resp:	36674
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.8	104.8
85	56.6	45.3	67.9
99	62.8	49.0	73.4

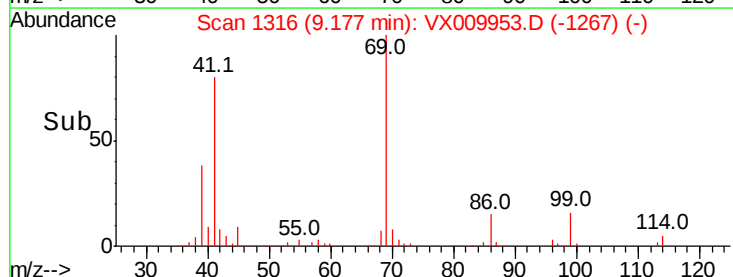
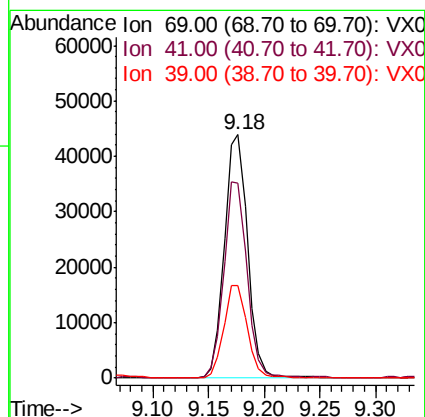
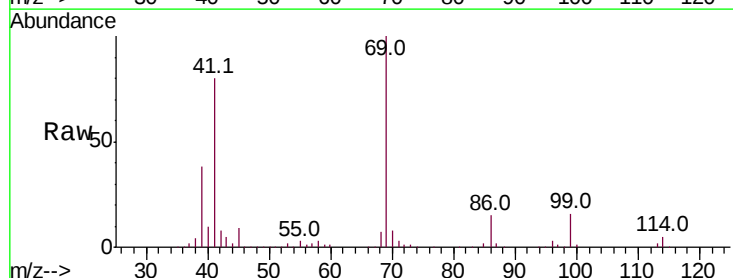
Manual Integrations
 APPROVED

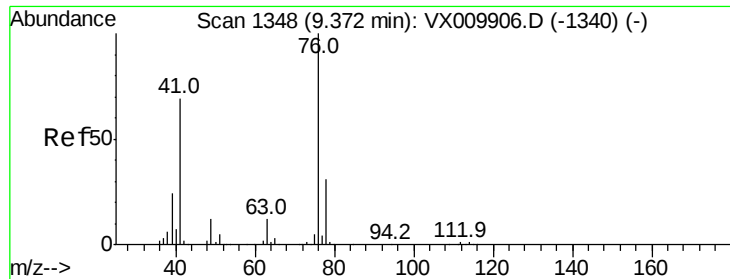
MMDadoda
 5/31/2019 9:23:47 AM



#56
 Ethyl methacrylate
 Concen: 18.902 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Tgt Ion:	69	Resp:	63634
Ion	Ratio	Lower	Upper
69	100		
41	79.6	62.7	94.1
39	38.1	29.5	44.3





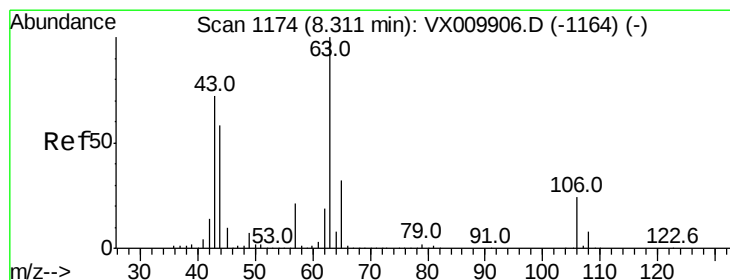
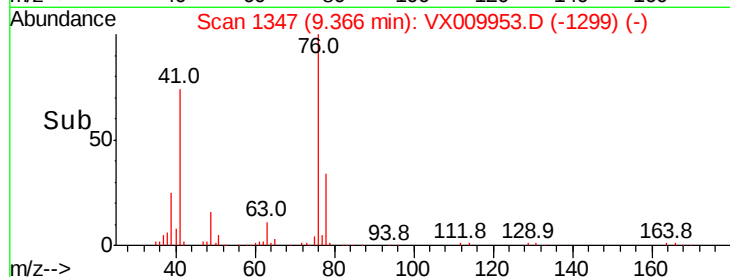
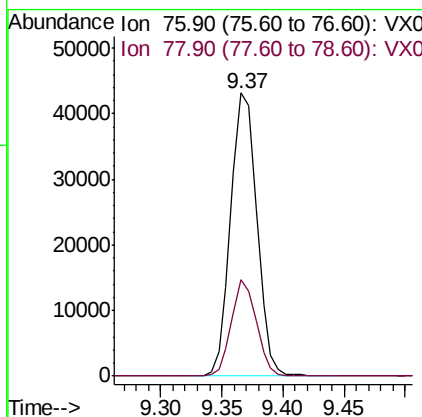
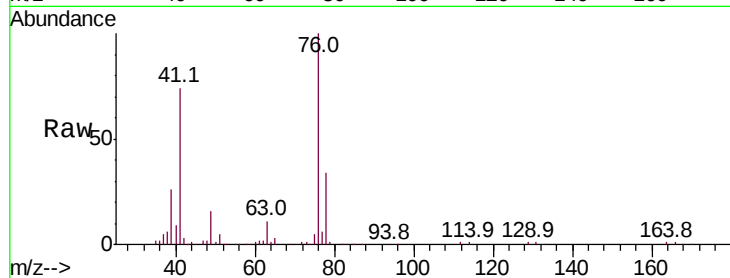
#57
 1,3-Dichloropropane
 Concen: 18.894 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampled :
 VX0530WBS01

Tot Ion: 76 Resp: 64162
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.0

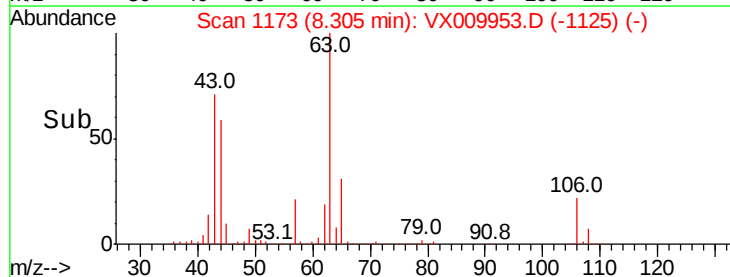
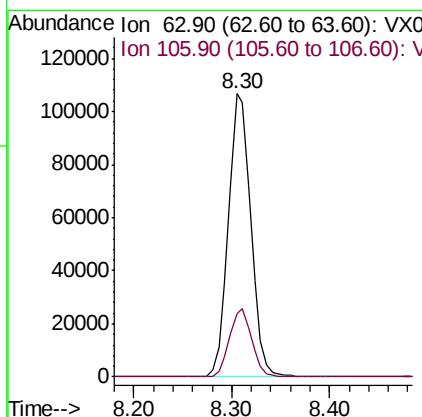
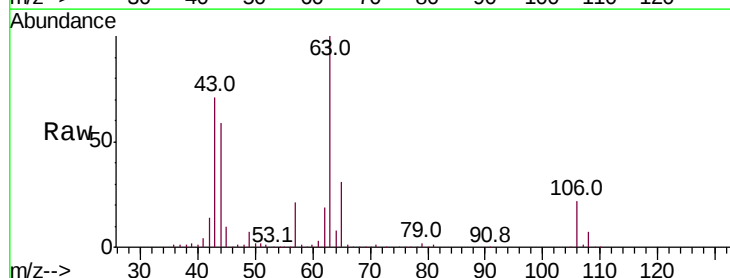
Manual Integrations
 APPROVED

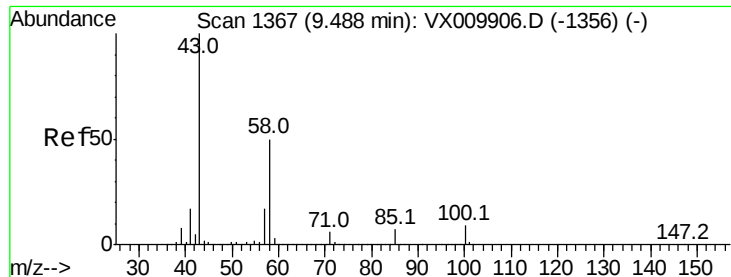
MMDadoda
 5/31/2019 9:23:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.480 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Tgt Ion: 63 Resp: 170315
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.4 29.2





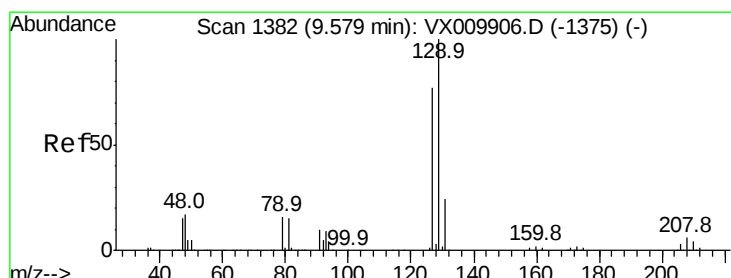
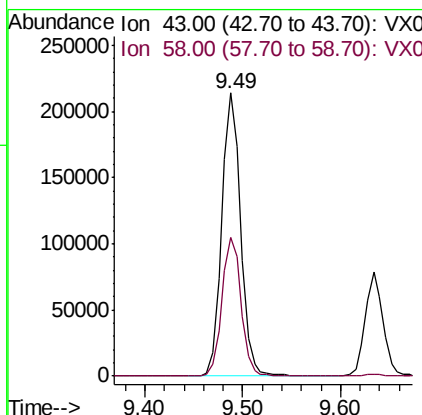
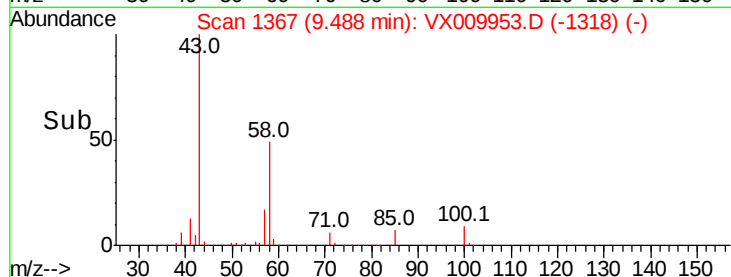
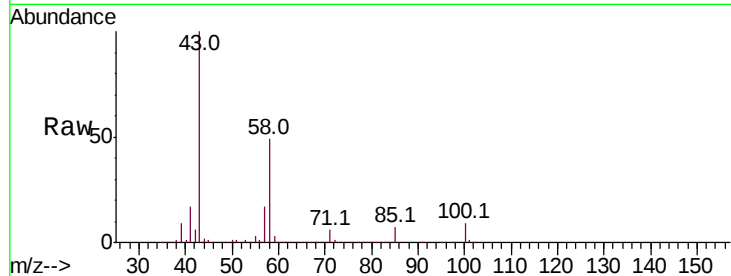
#59
2-Hexanone
Concen: 97.457 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion: 43 Resp: 286244
Ion Ratio Lower Upper
43 100
58 49.8 25.1 75.3

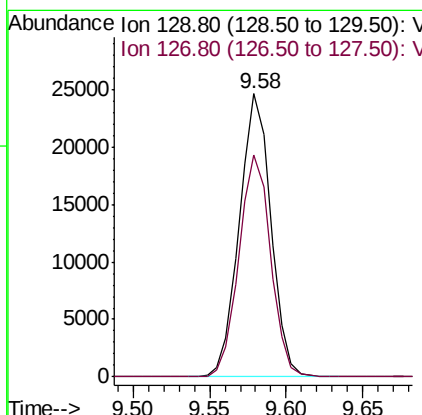
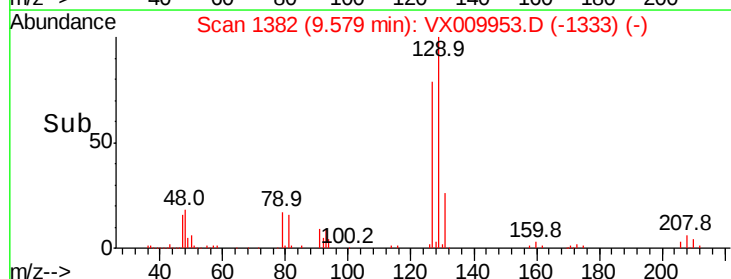
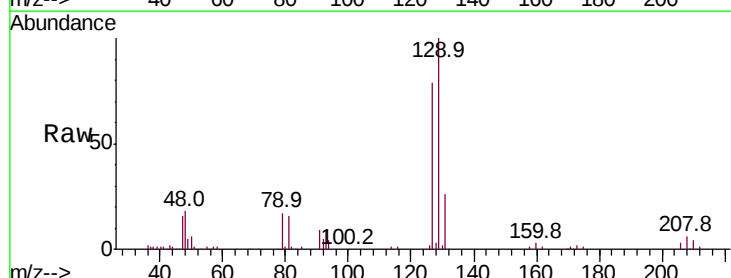
Manual Integrations
APPROVED

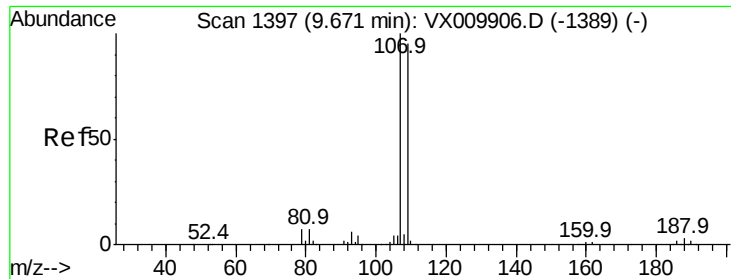
MMDadoda
5/31/2019 9:23:47 AM



#60
Dibromochloromethane
Concen: 18.961 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion: 129 Resp: 35269
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





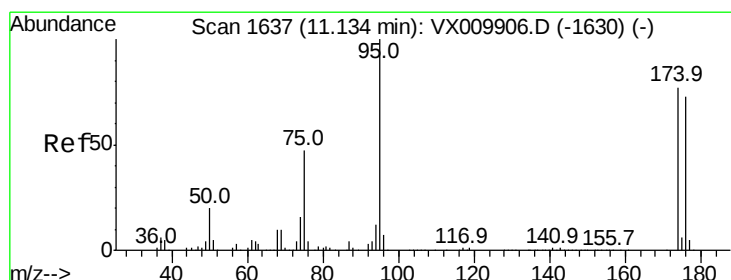
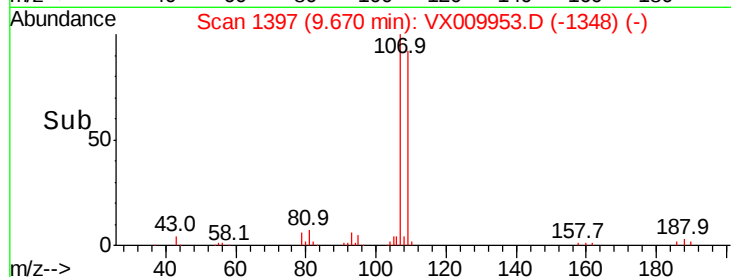
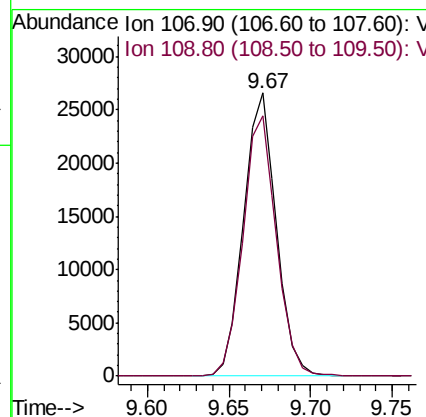
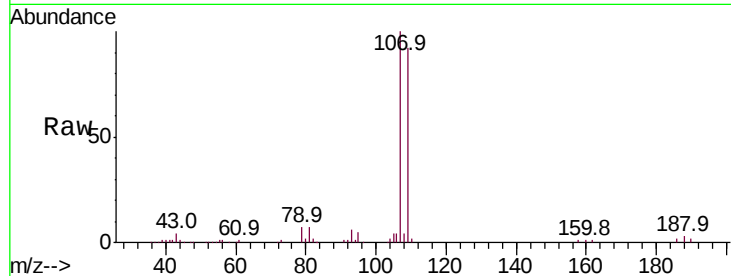
#61
 1,2-Dibromoethane
 Concen: 19.101 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.4	113.2

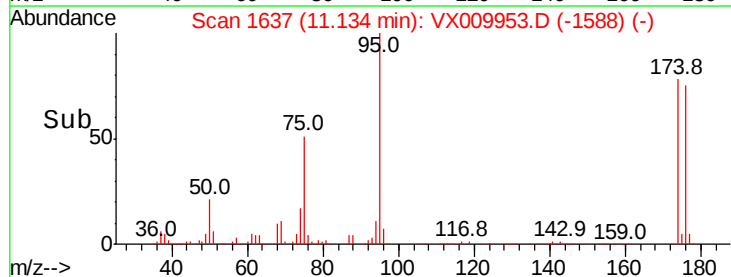
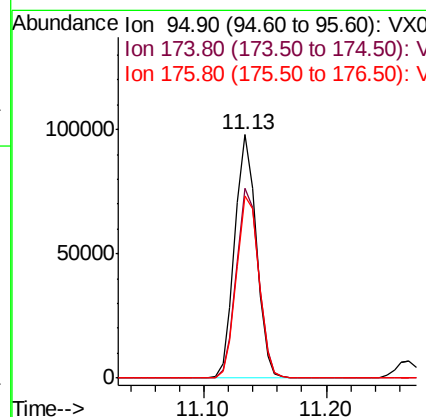
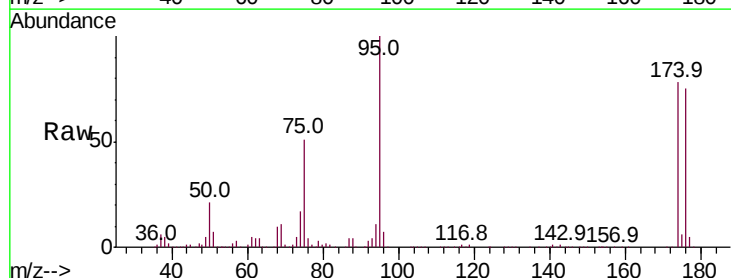
Manual Integrations
 APPROVED

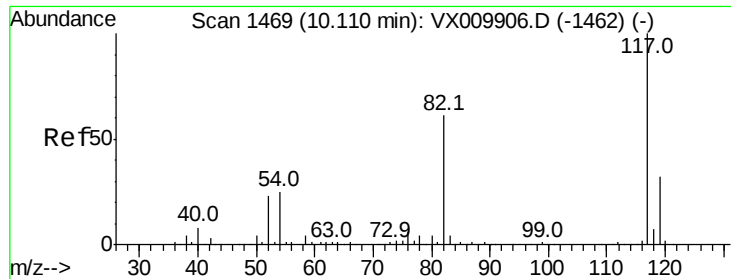
MMDadoda
 5/31/2019 9:23:47 AM



#62
 4-Bromofluorobenzene
 Concen: 50.589 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	160.4
176	78.0	0.0	154.6





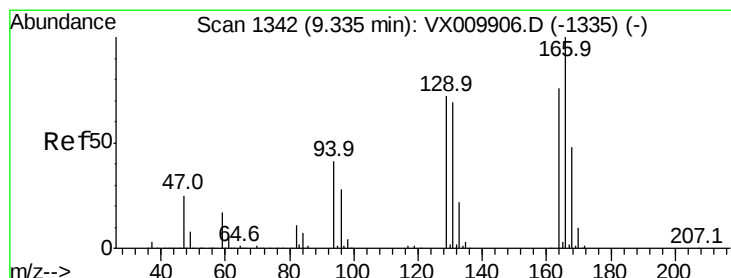
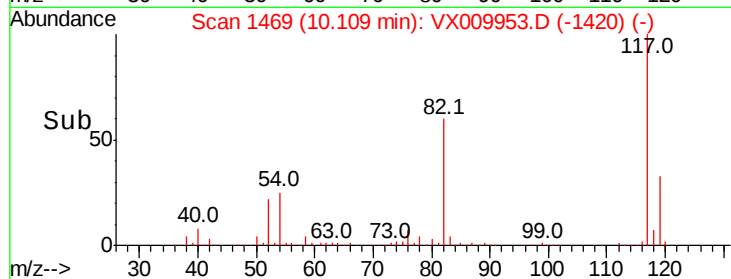
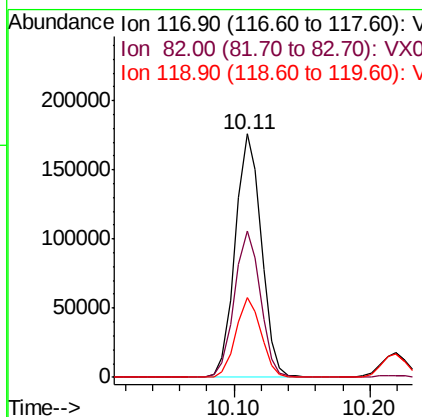
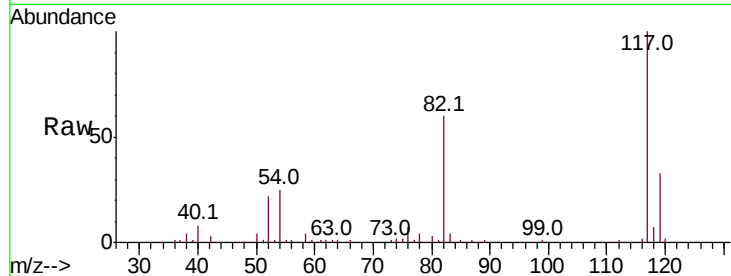
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	49.2	73.8
119	32.9	25.2	37.8

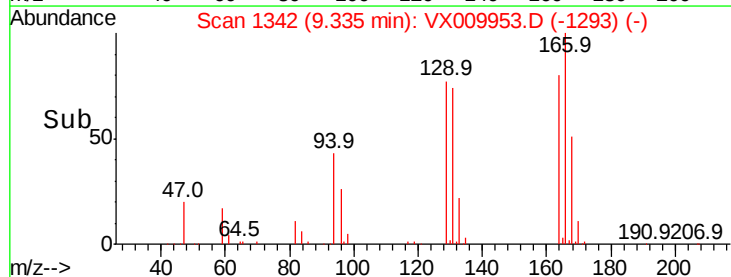
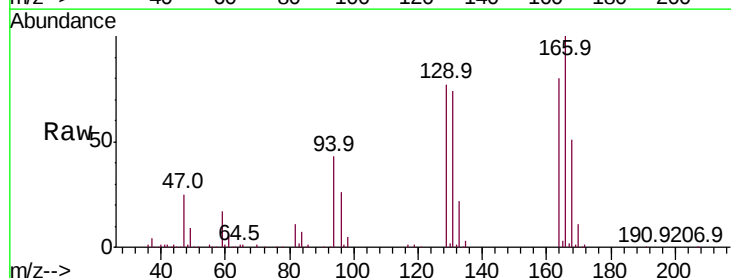
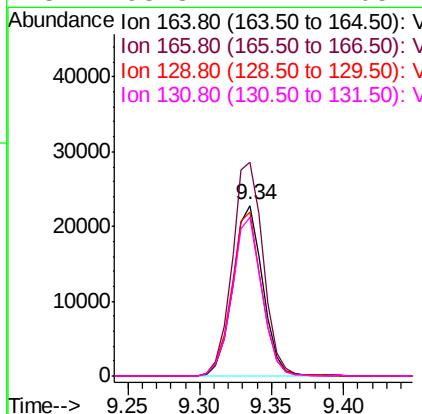
Manual Integrations
APPROVED

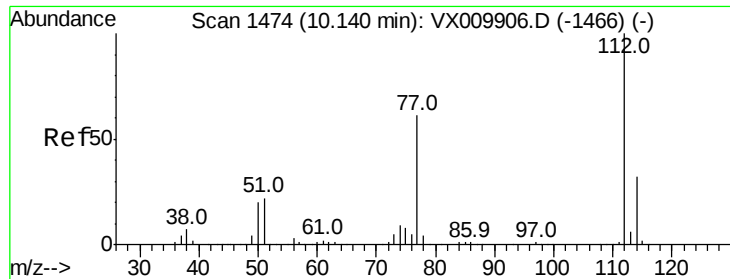
MMDadoda
5/31/2019 9:23:47 AM



#64
Tetrachloroethene
Concen: 20.043 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	105.0	157.4
129	95.9	75.1	112.7
131	93.3	72.2	108.4





#65

Chlorobenzene

Concen: 19.385 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion:112 Resp: 95615

Ion Ratio Lower Upper

112 100

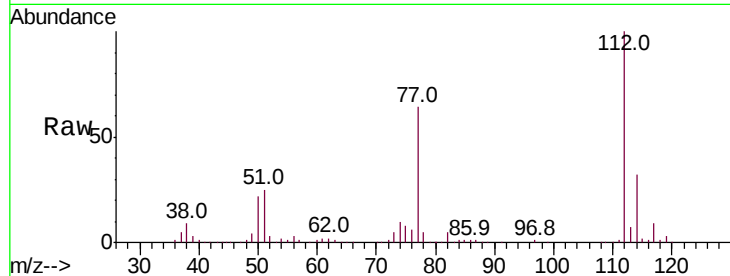
114 32.0 25.8 38.8

Manual Integrations

APPROVED

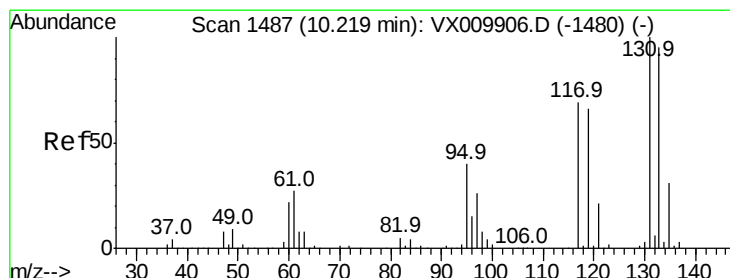
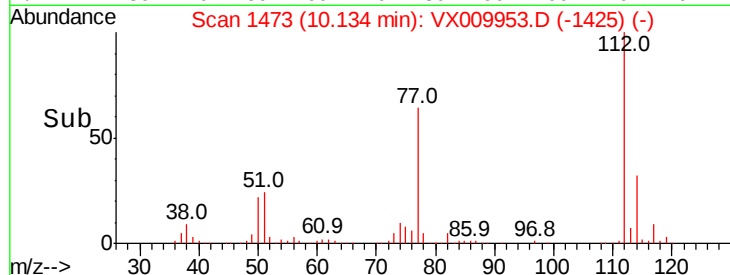
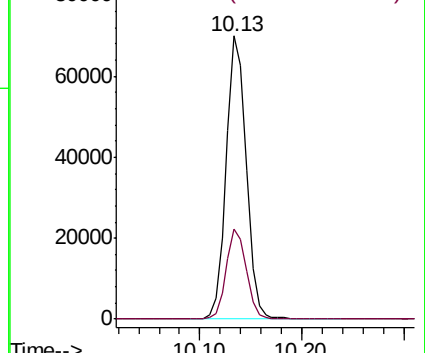
MMDadoda

5/31/2019 9:23:47 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.601 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

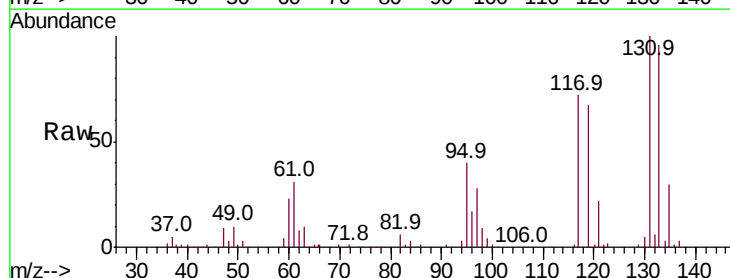
Tgt Ion:131 Resp: 33533

Ion Ratio Lower Upper

131 100

133 95.2 47.5 142.6

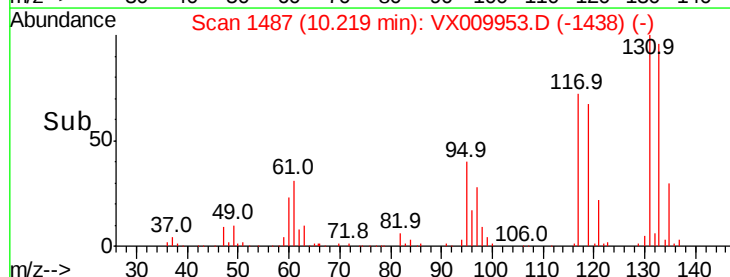
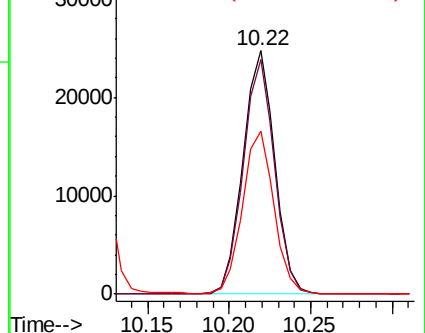
119 66.6 33.4 100.1

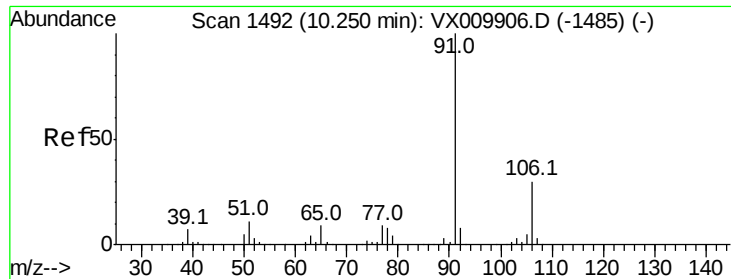


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





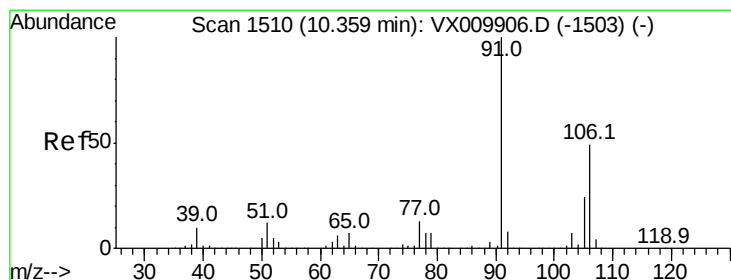
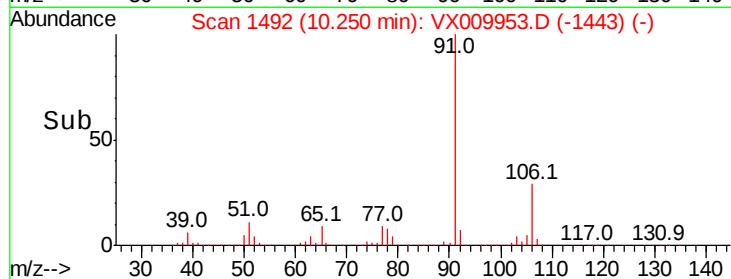
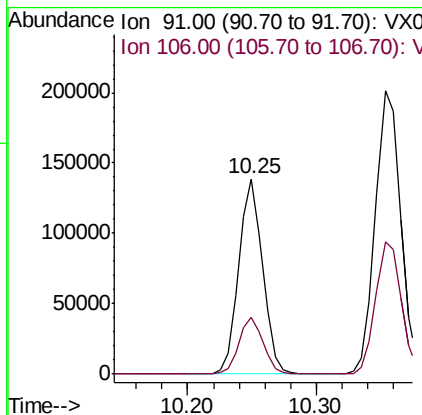
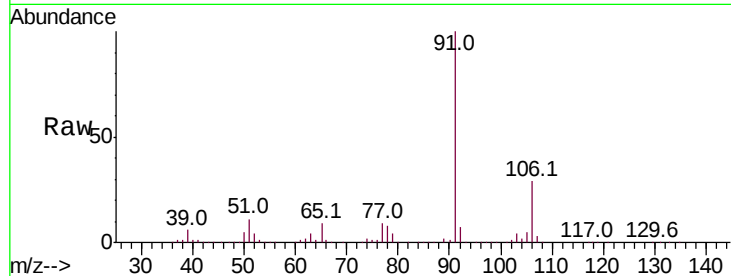
#67
Ethyl Benzene
Concen: 20.195 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion: 91 Resp: 178848
Ion Ratio Lower Upper
91 100
106 29.2 23.9 35.9

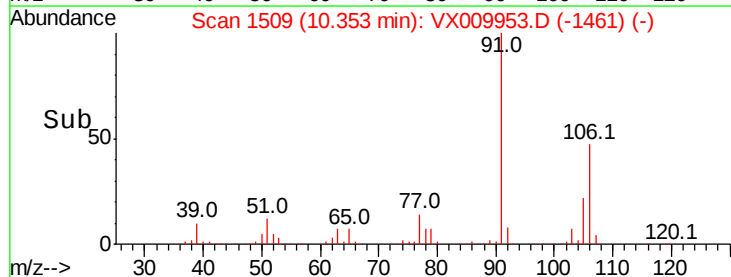
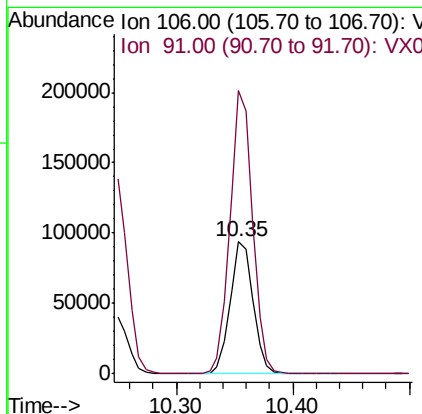
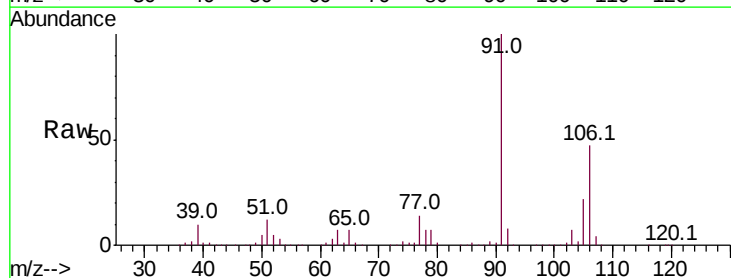
Manual Integrations
APPROVED

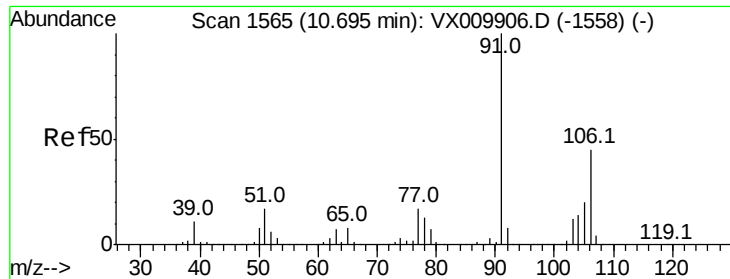
MMDadoda
5/31/2019 9:23:47 AM



#68
m/p-Xylenes
Concen: 39.556 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion: 106 Resp: 129419
Ion Ratio Lower Upper
106 100
91 211.3 167.3 250.9





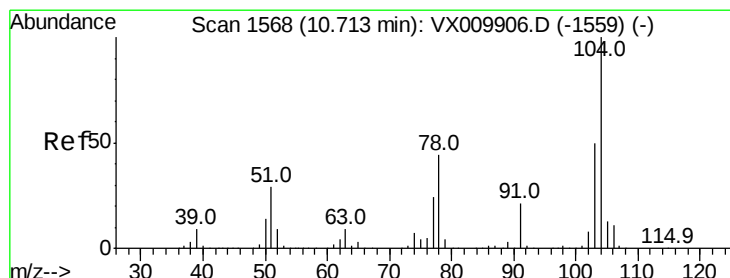
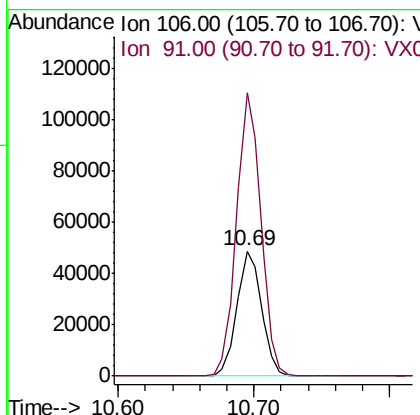
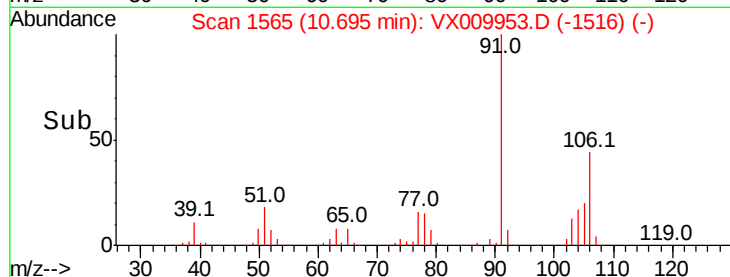
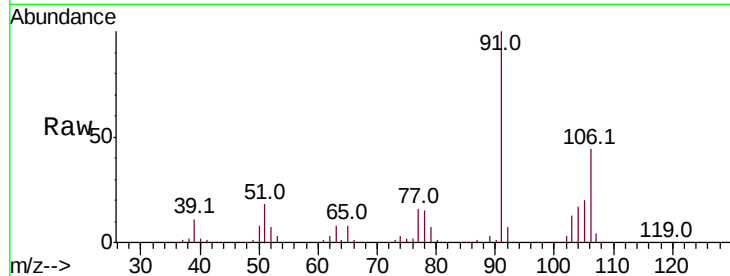
#69
o-Xylene
Concen: 19.659 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion:106 Resp: 61687
Ion Ratio Lower Upper
106 100
91 224.1 110.4 331.2

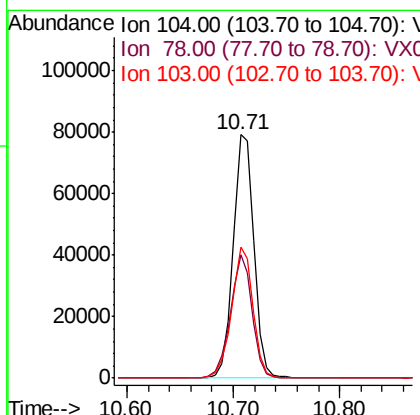
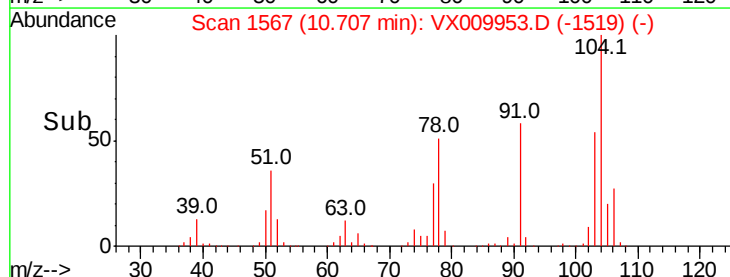
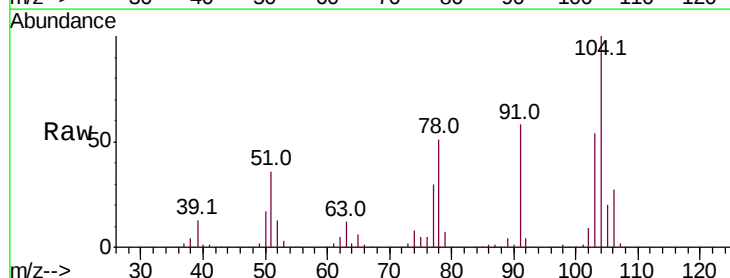
Manual Integrations
APPROVED

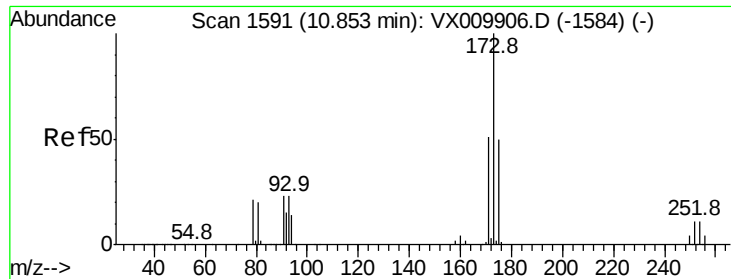
MMDadoda
5/31/2019 9:23:47 AM



#70
Styrene
Concen: 19.714 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion:104 Resp: 108471
Ion Ratio Lower Upper
104 100
78 52.8 42.1 63.1
103 55.8 44.1 66.1





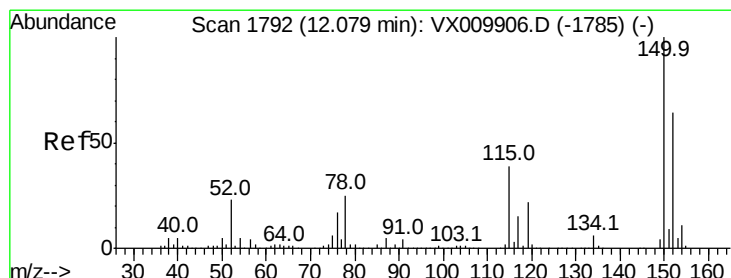
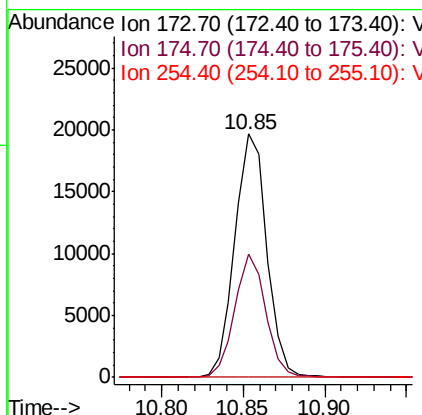
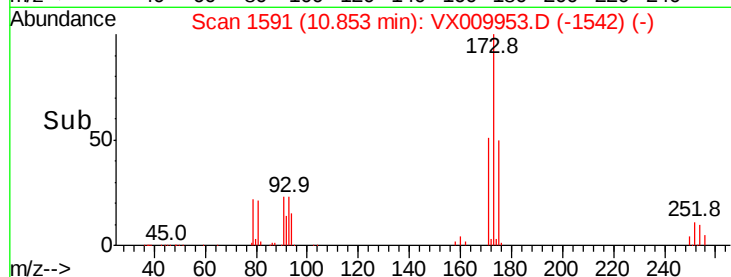
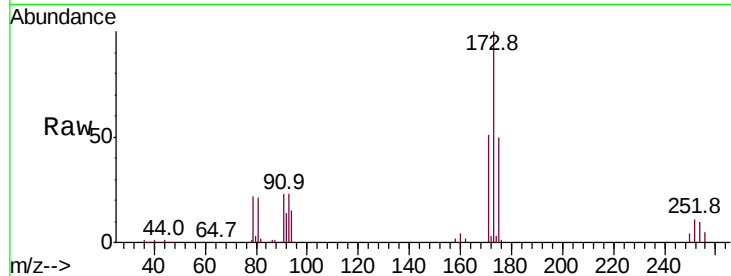
#71
Bromoform
Concen: 19.224 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampled :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	25.0	75.0
254	0.0	0.2	0.2

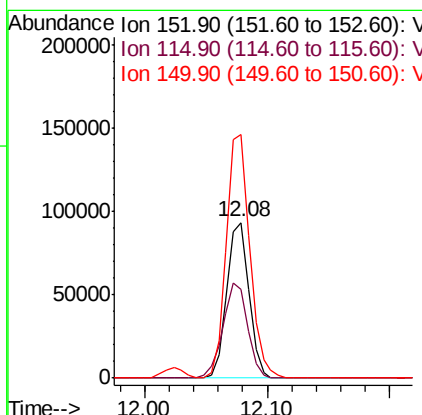
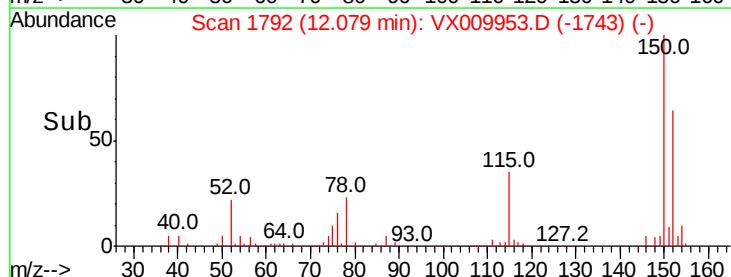
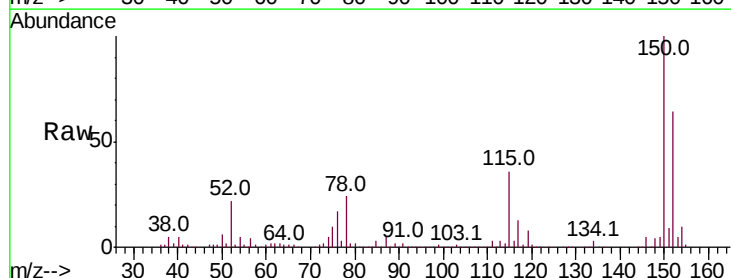
Manual Integrations
APPROVED

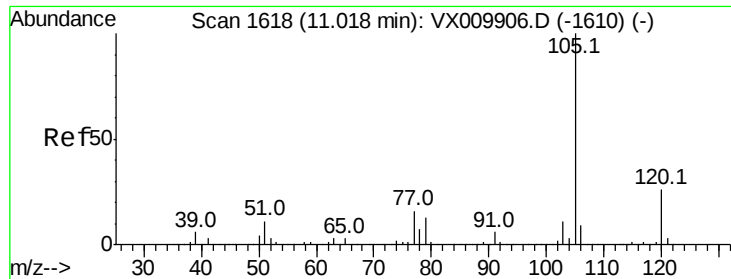
MMDadoda
5/31/2019 9:23:47 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.2	41.4	124.2
150	165.2	0.0	345.2





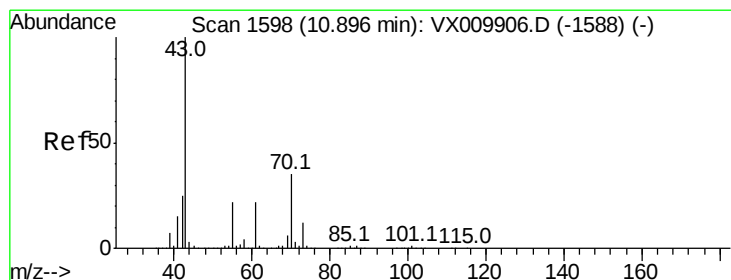
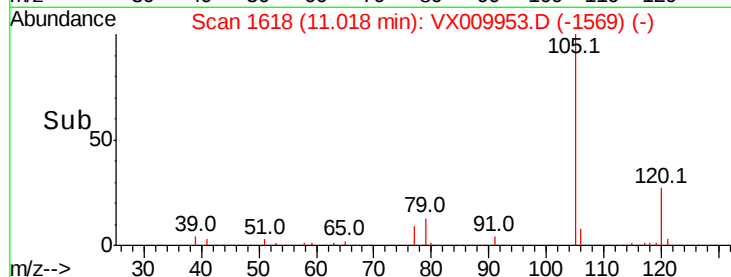
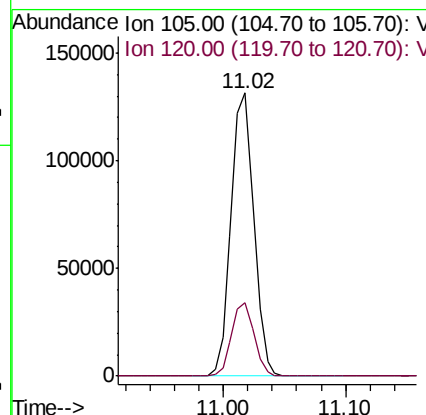
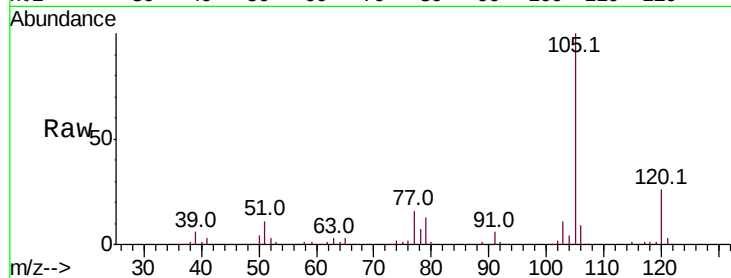
#73
Isopropylbenzene
Concen: 19.717 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion: 105 Resp: 169399
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4

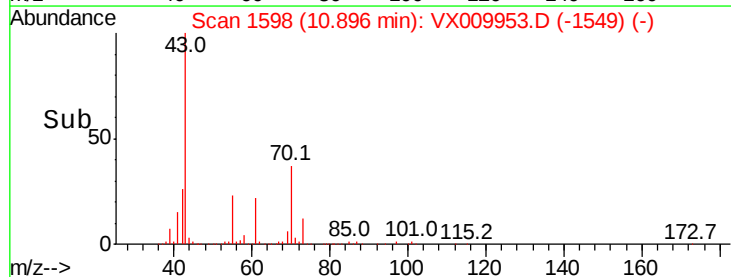
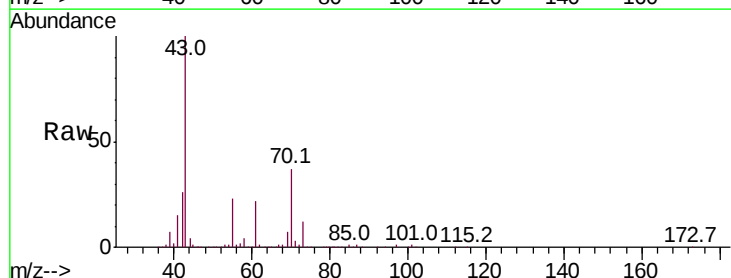
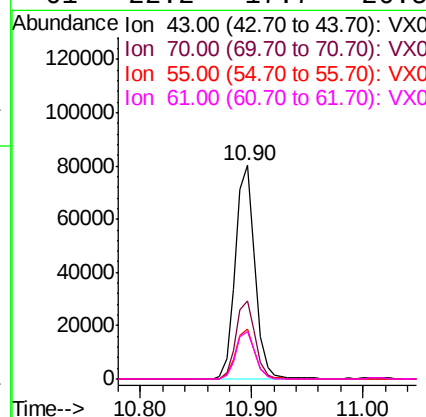
Manual Integrations
APPROVED

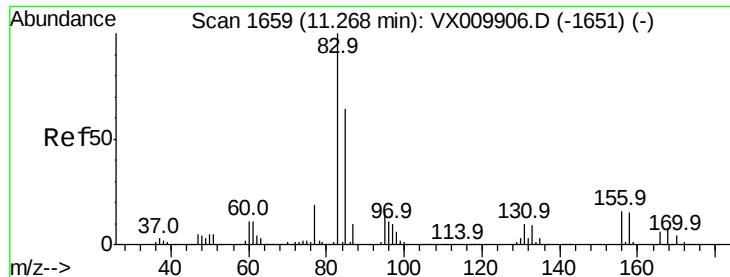
MMDadoda
5/31/2019 9:23:47 AM



#74
N-ethyl acetate
Concen: 18.856 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion: 43 Resp: 96807
Ion Ratio Lower Upper
43 100
70 36.4 28.6 43.0
55 23.6 17.8 26.8
61 22.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.832 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

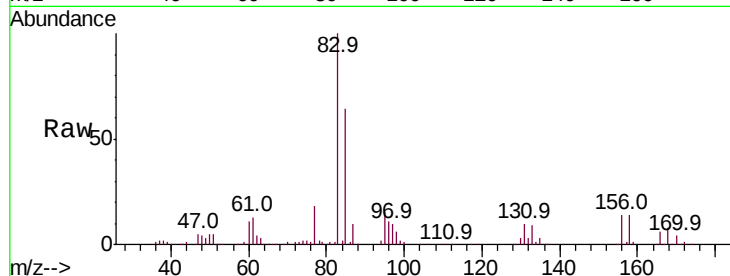
ClientSampleId :

VX0530WBS01

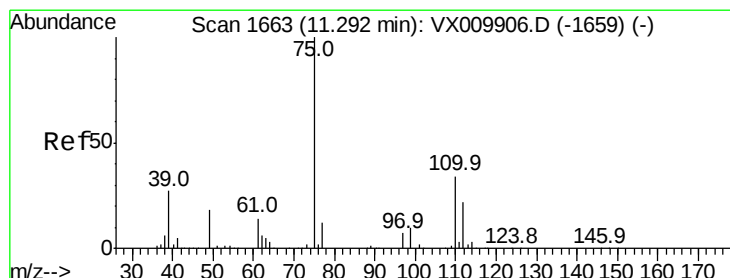
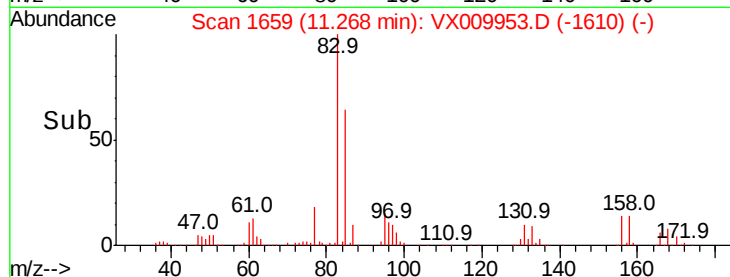
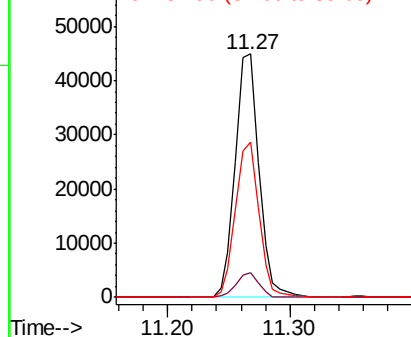
Tot Ion:	83	Resp:	60361
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.7	14.1
85	63.6	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:23:47 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.496 ug/l m

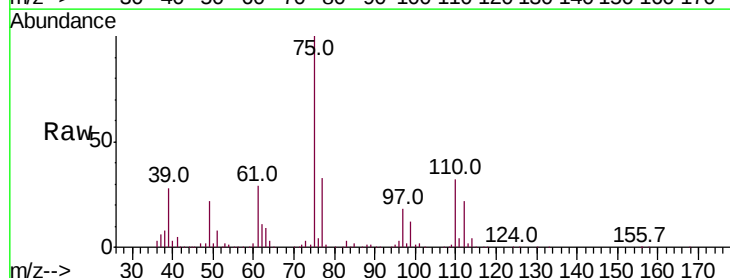
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

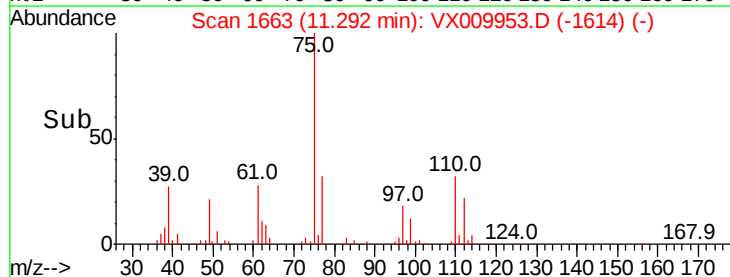
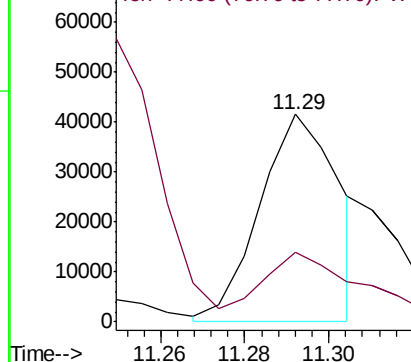
Lab File: VX009953.D

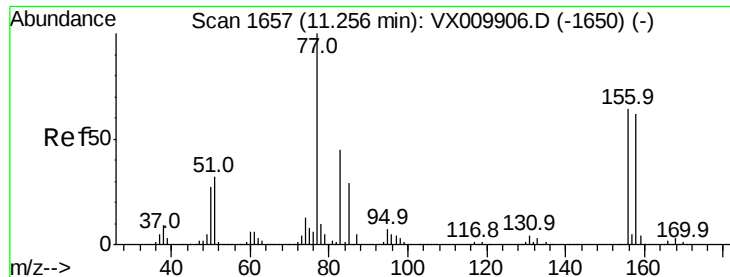
Acq: 30 May 2019 12:20

Tgt Ion:	75	Resp:	54289
Ion Ratio	Lower	Upper	
75	100		
77	43.0	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.754 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion:156 Resp: 41062

Ion Ratio Lower Upper

156 100

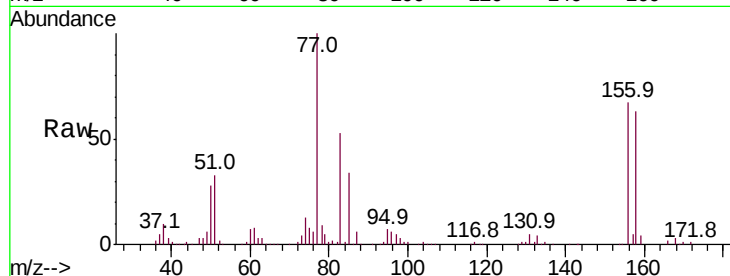
77 173.6 86.8 260.3

158 99.0 49.6 148.8

Manual Integrations
APPROVED

MMDadoda

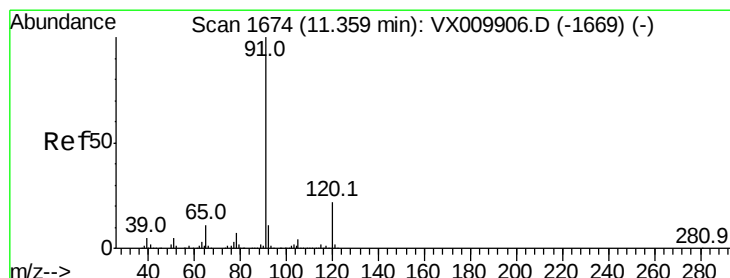
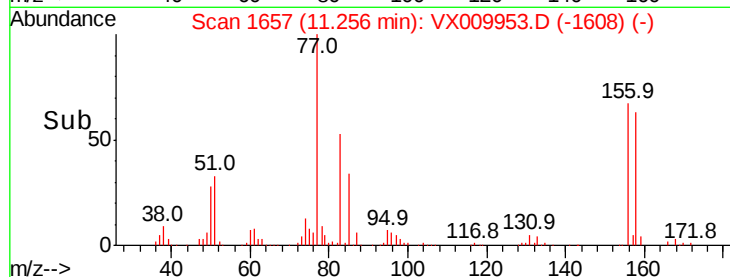
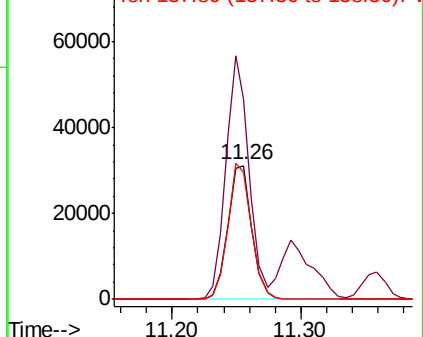
5/31/2019 9:23:47 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.064 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009953.D

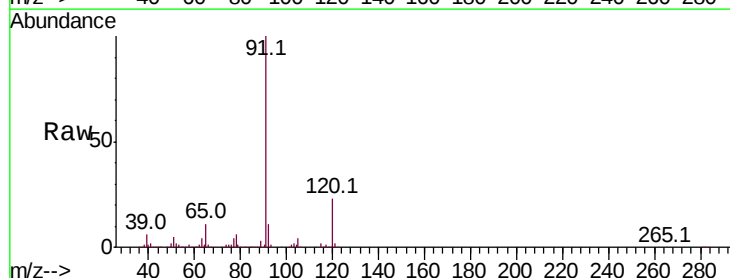
Acq: 30 May 2019 12:20

Tgt Ion: 91 Resp: 198693

Ion Ratio Lower Upper

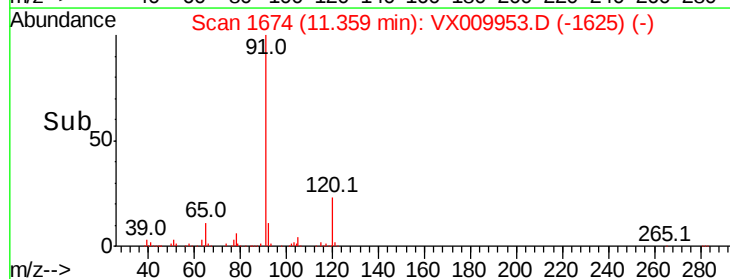
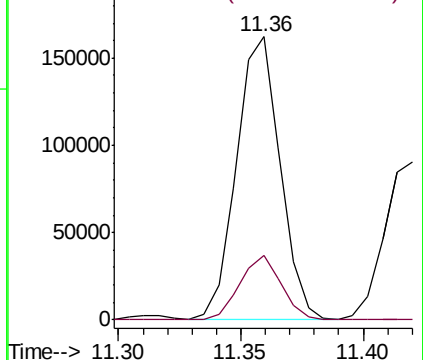
91 100

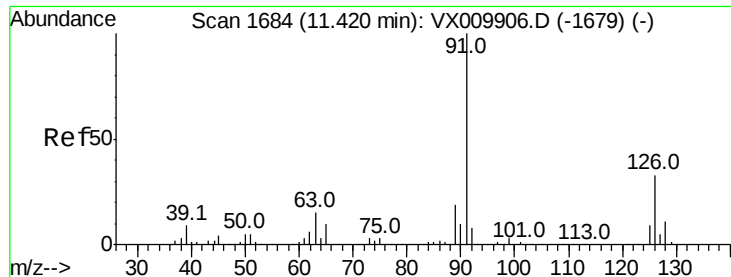
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.199 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 91 Resp: 116162

Ion Ratio Lower Upper

91 100

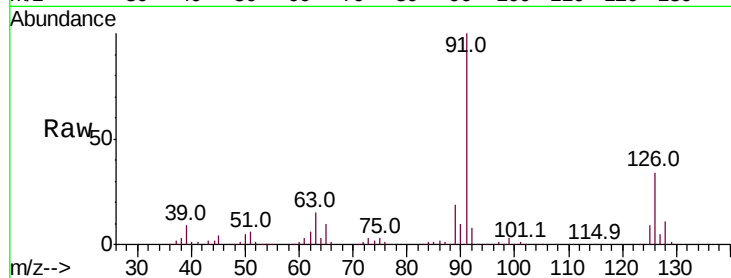
126 32.8 16.1 48.3

Manual Integrations

APPROVED

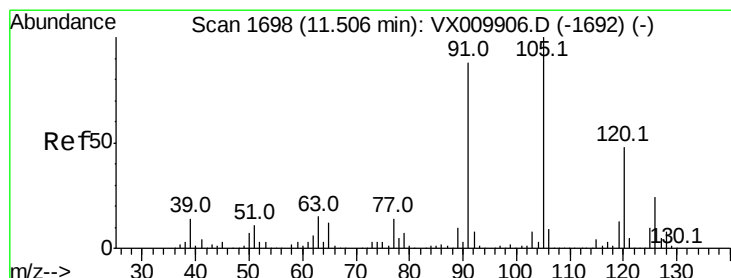
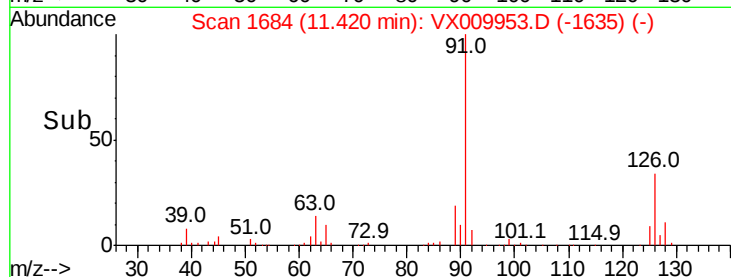
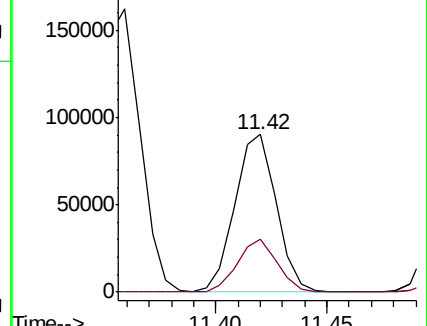
MMDadoda

5/31/2019 9:23:47 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.061 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009953.D

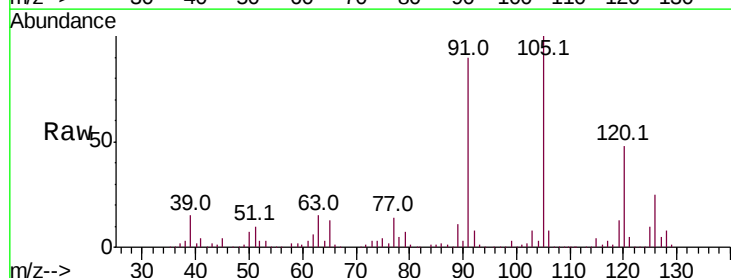
Acq: 30 May 2019 12:20

Tgt Ion:105 Resp: 145205

Ion Ratio Lower Upper

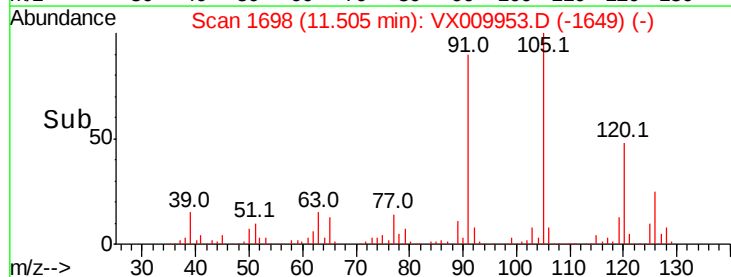
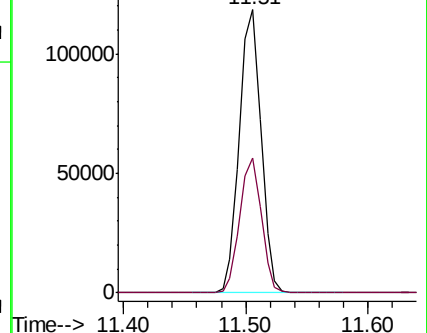
105 100

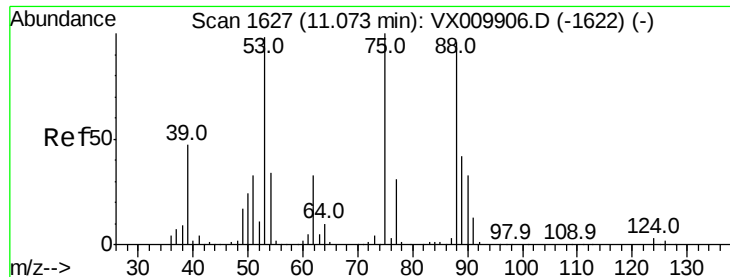
120 47.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.253 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 75 Resp: 19418

Ion Ratio Lower Upper

75 100

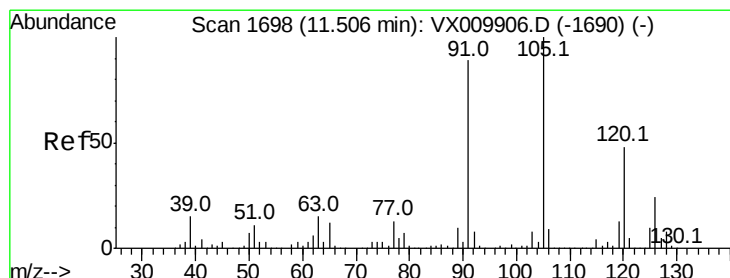
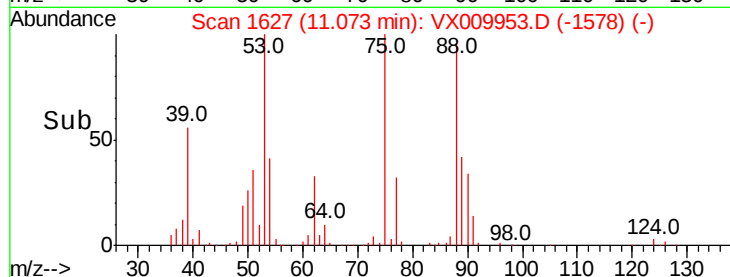
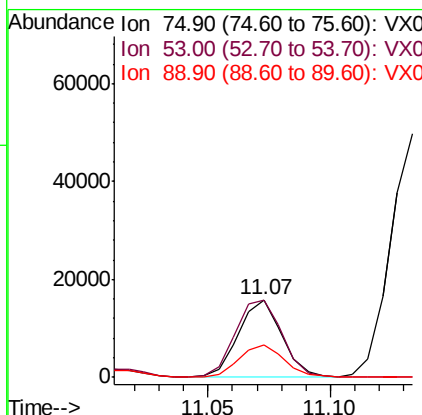
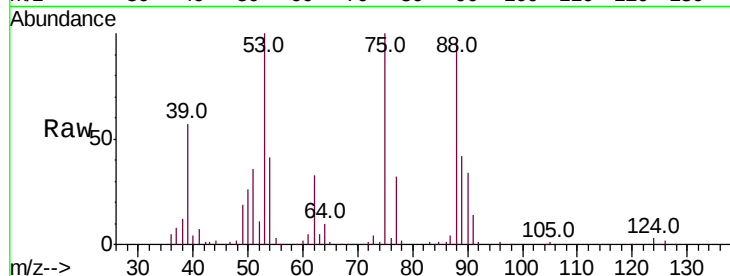
53 107.9 79.8 119.6

89 44.2 34.2 51.4

Manual Integrations
APPROVED

MMDadoda

5/31/2019 9:23:47 AM



#82

4-Chlorotoluene

Concen: 19.337 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009953.D

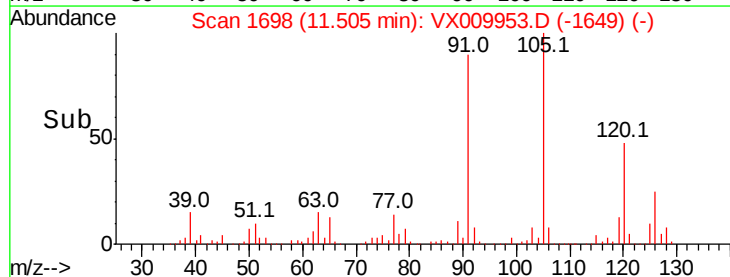
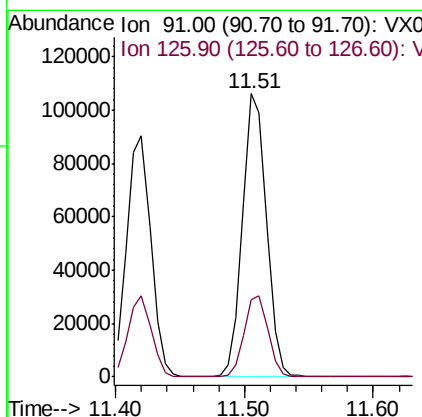
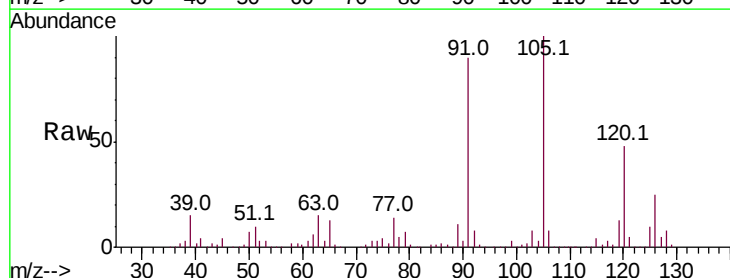
Acq: 30 May 2019 12:20

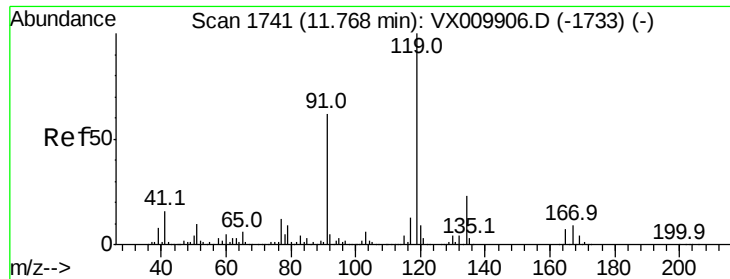
Tgt Ion: 91 Resp: 136203

Ion Ratio Lower Upper

91 100

126 28.6 14.2 42.6





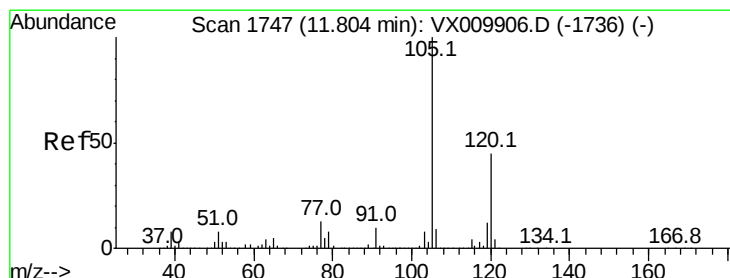
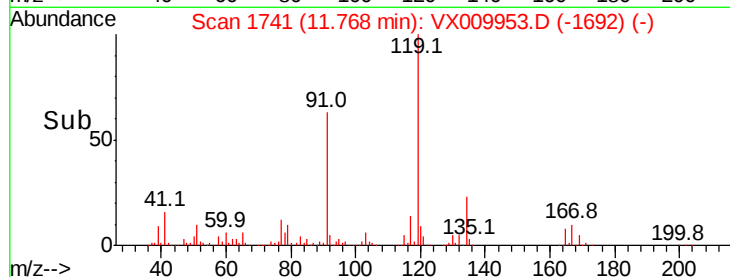
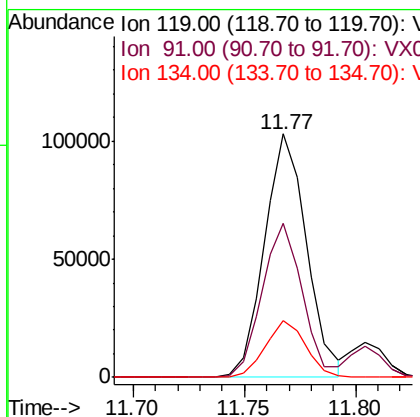
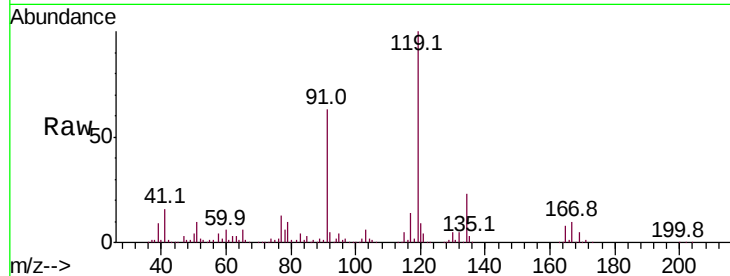
#83
tert-Butylbenzene
Concen: 19.568 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	135502		
91	60.7	30.0	90.0	
134	22.3	11.2	33.5	

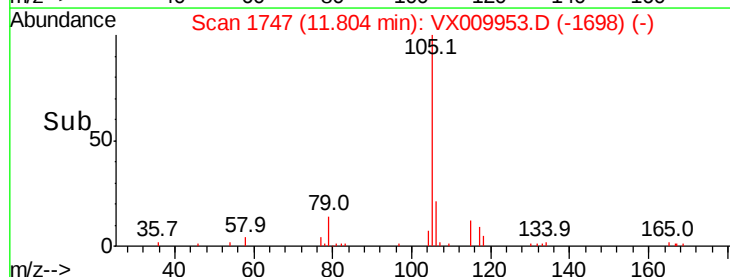
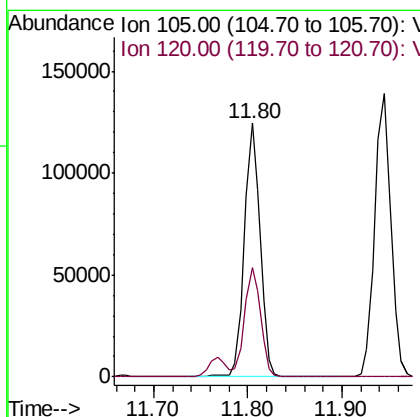
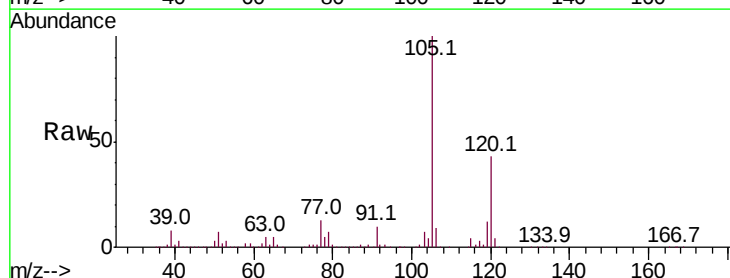
Manual Integrations
APPROVED

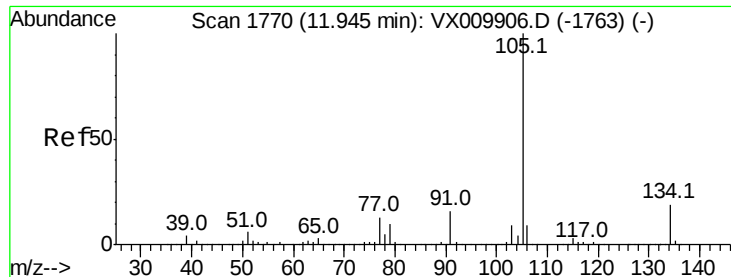
MMDadoda
5/31/2019 9:23:47 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.736 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	145069		
120	44.1	22.1	66.1	





#85

sec-Butylbenzene

Concen: 20.221 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion:105 Resp: 166585

Ion Ratio Lower Upper

105 100

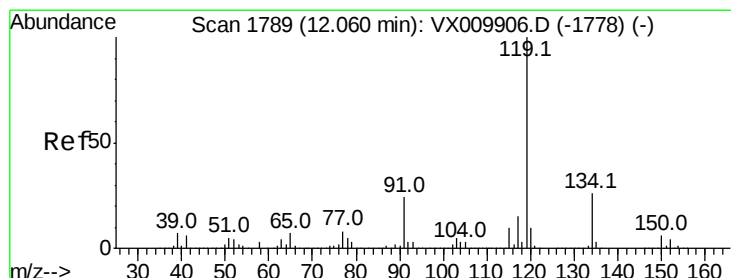
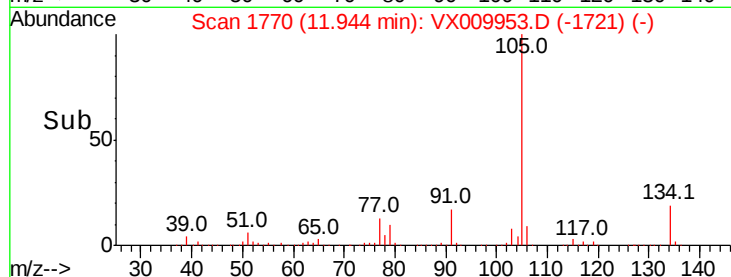
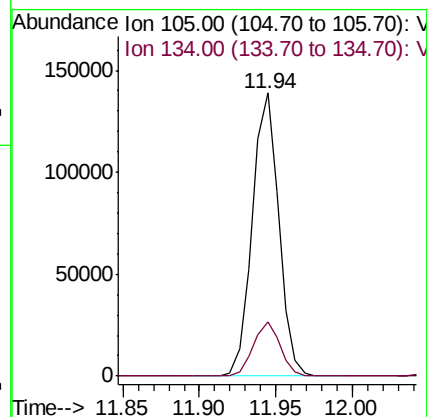
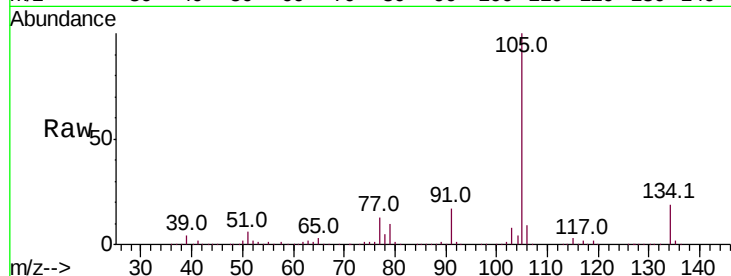
134 19.2 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

5/31/2019 9:23:47 AM



#86

p-Isopropyltoluene

Concen: 20.279 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

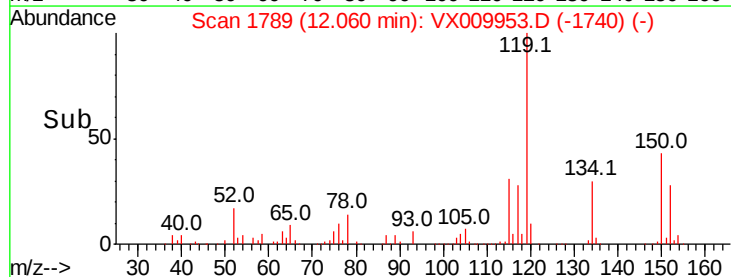
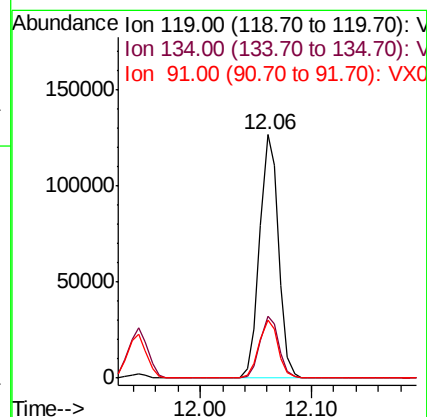
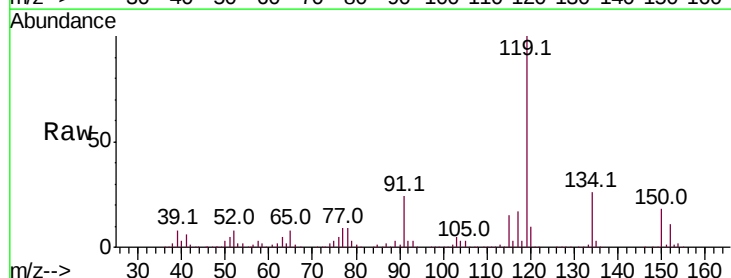
Tgt Ion:119 Resp: 150270

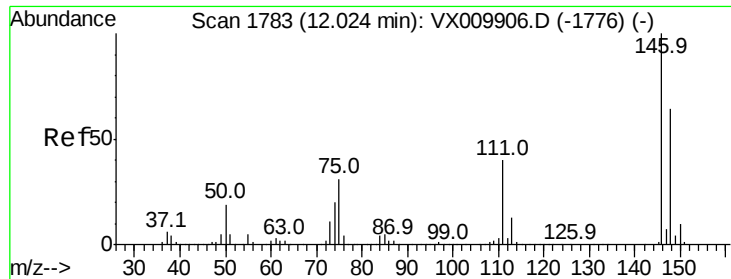
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 24.4 11.9 35.9





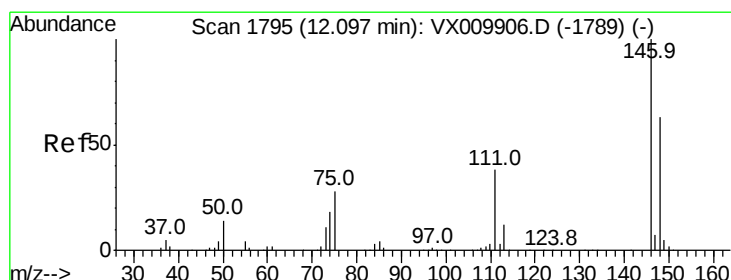
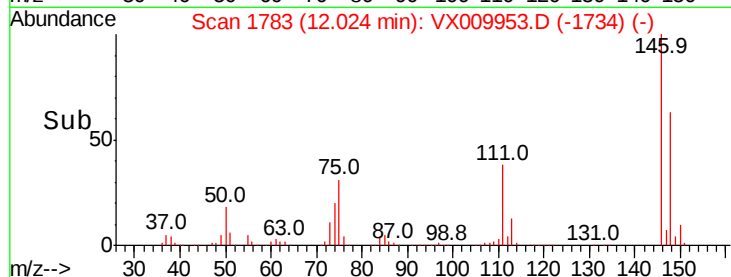
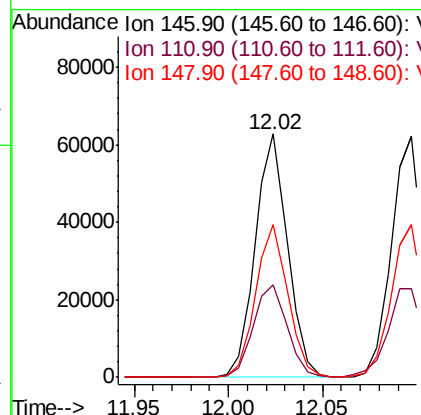
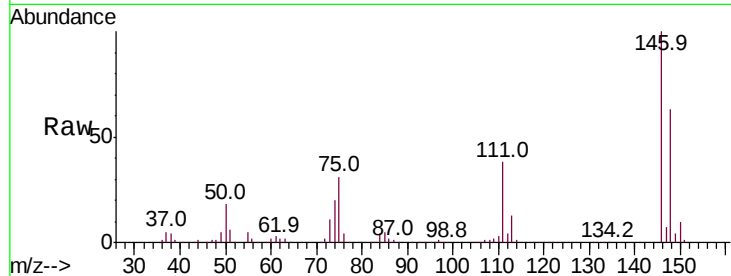
#87
 1,3-Dichlorobenzene
 Concen: 19.147 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.2
148	62.6	31.9	95.5

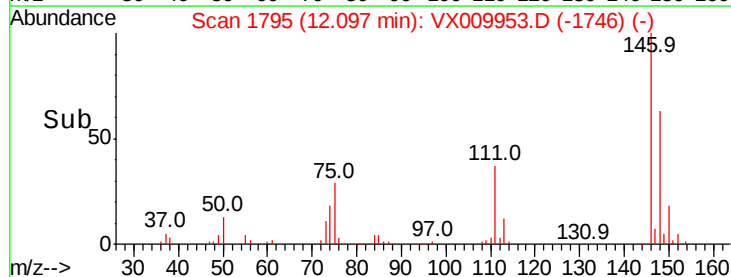
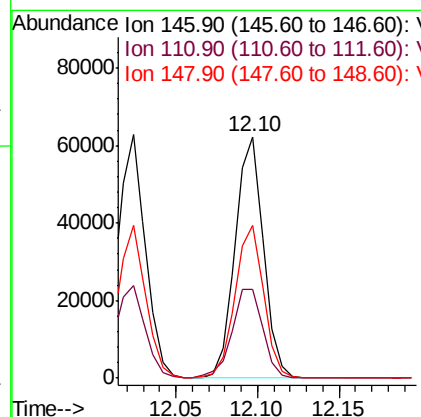
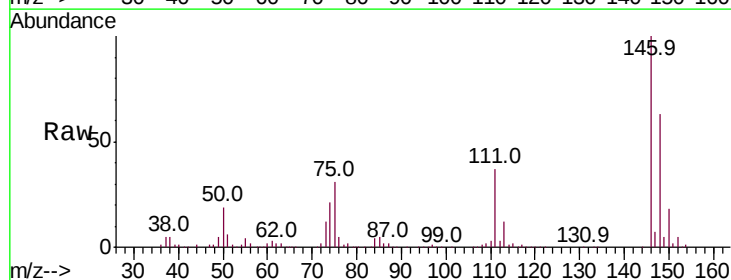
Manual Integrations
 APPROVED

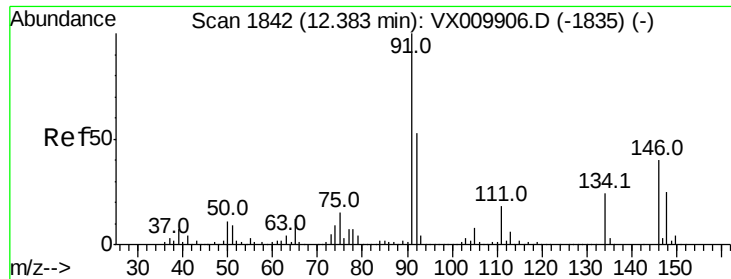
MMDadoda
 5/31/2019 9:23:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.863 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	59.9
148	63.7	32.3	96.9





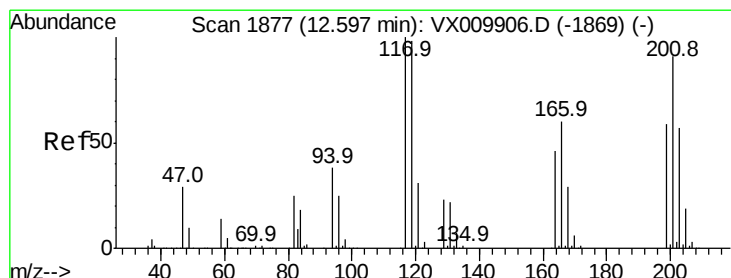
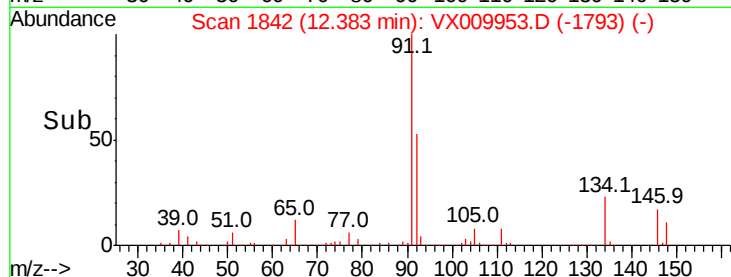
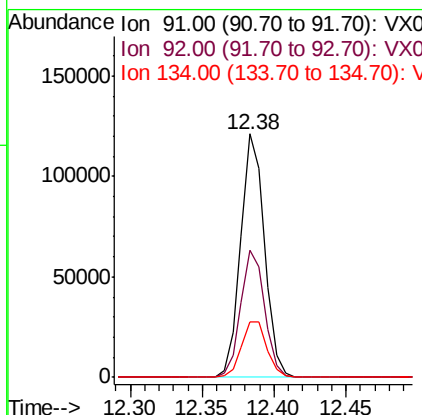
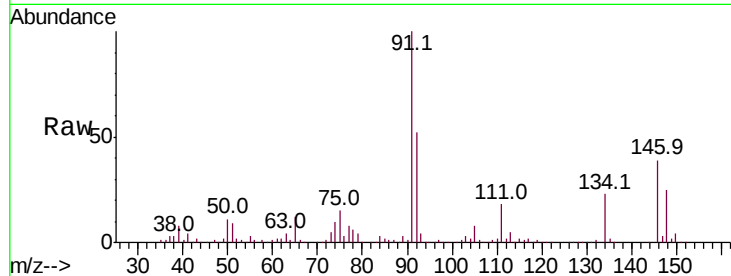
#89
n-Butylbenzene
Concen: 19.992 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	24.5	12.3	36.8

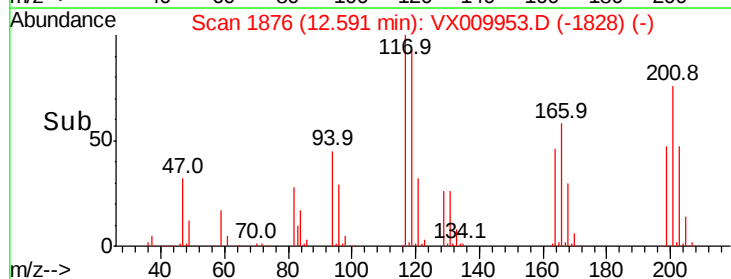
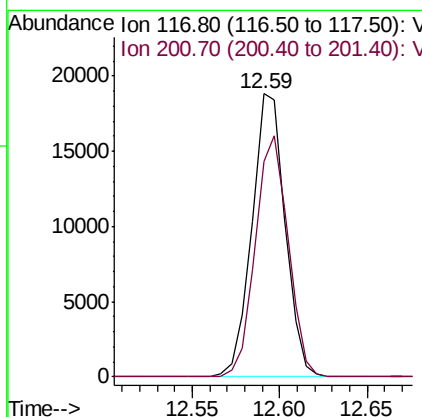
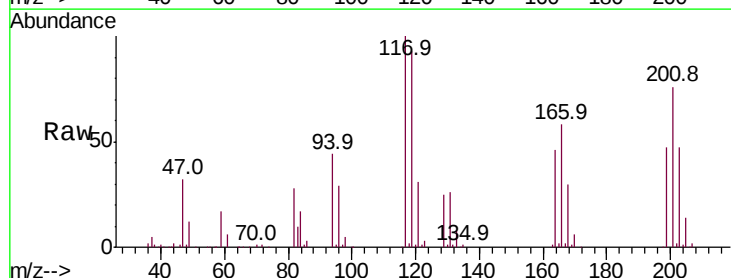
Manual Integrations
APPROVED

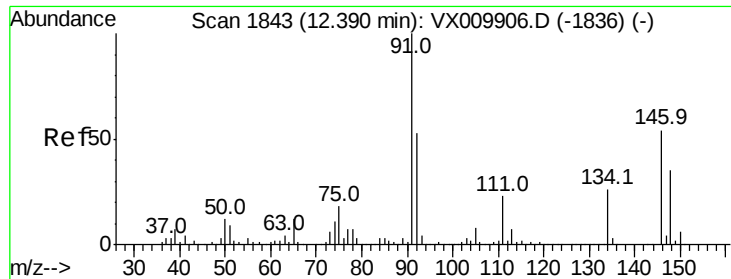
MMDadoda
5/31/2019 9:23:47 AM



#90
Hexachloroethane
Concen: 19.496 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 19.261 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Instrument :

MSVOA_X

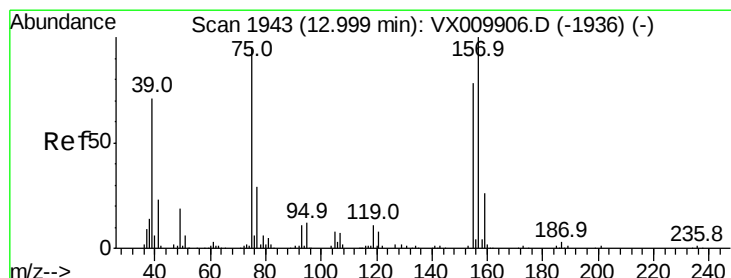
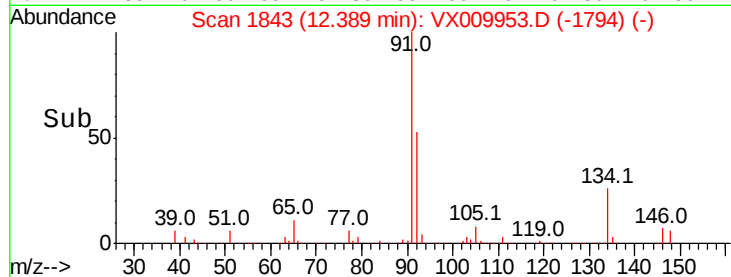
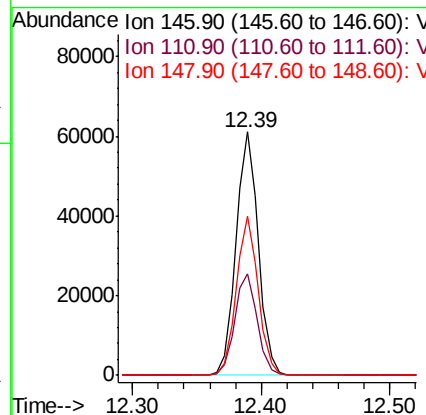
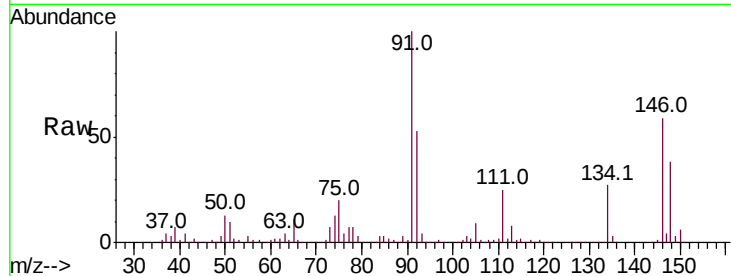
ClientSampleId :

VX0530WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	64.1	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:23:47 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.201 ug/l

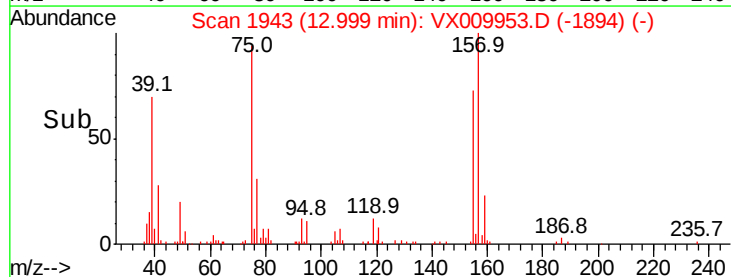
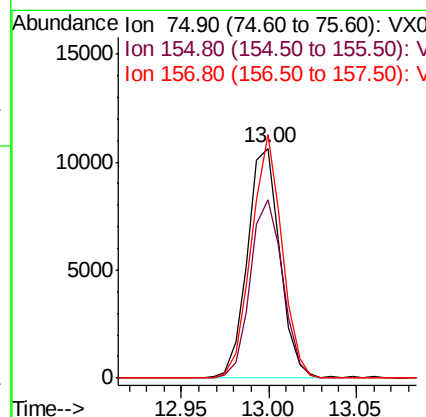
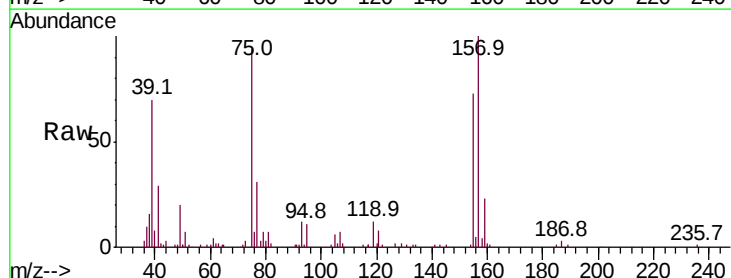
RT: 13.00 min Scan# 1943

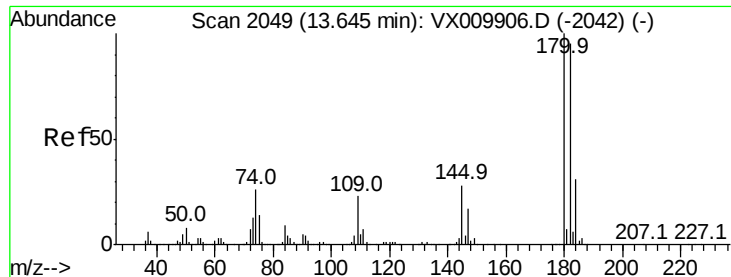
Delta R.T. -0.00 min

Lab File: VX009953.D

Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	39.3	117.8
157	99.7	50.6	151.8





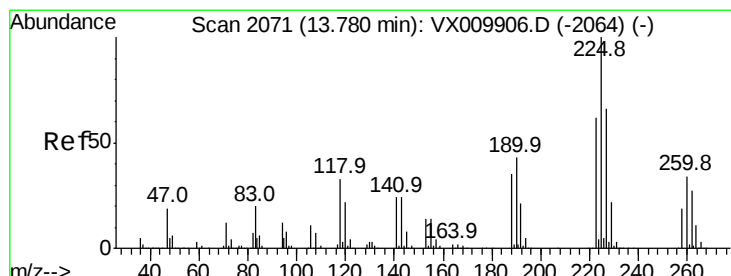
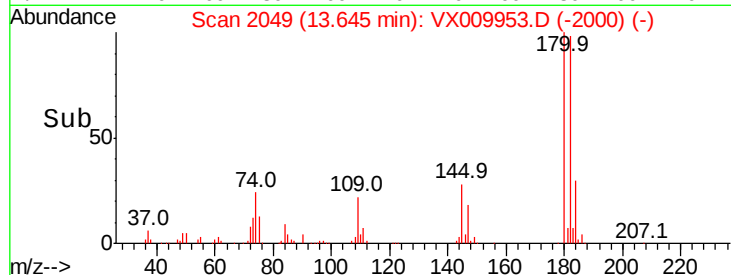
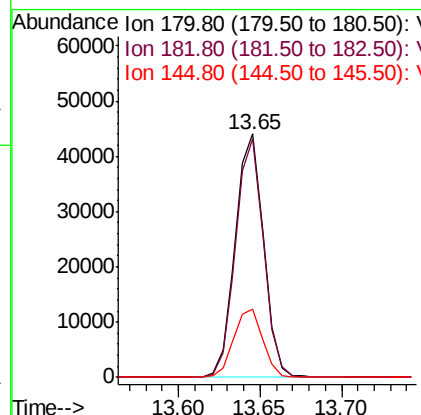
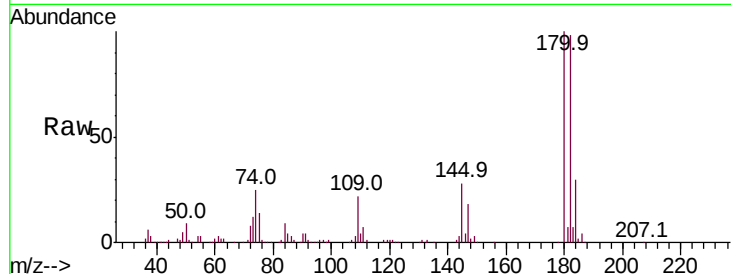
#93
 1,2,4-Trichlorobenzene
 Concen: 19.358 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	47.4	142.2	
145	28.8	14.5	43.5	

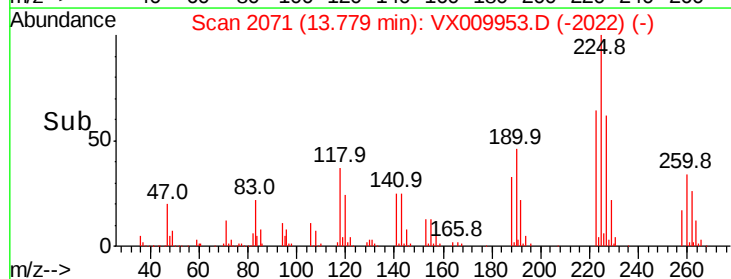
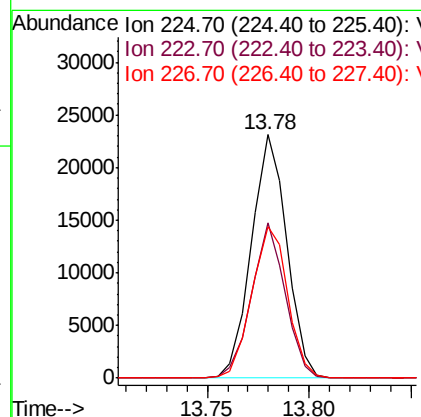
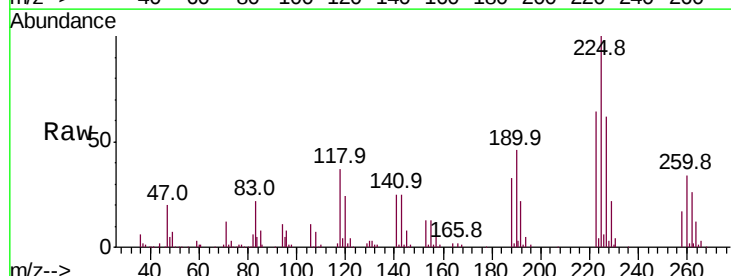
Manual Integrations
 APPROVED

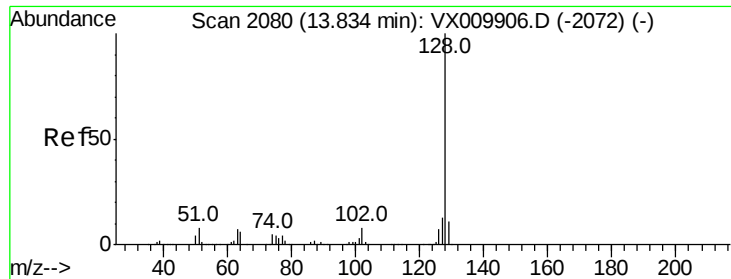
MMDadoda
 5/31/2019 9:23:47 AM



#94
 Hexachlorobutadiene
 Concen: 20.250 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009953.D
 Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.8	31.3	93.8	
227	63.4	32.3	96.8	





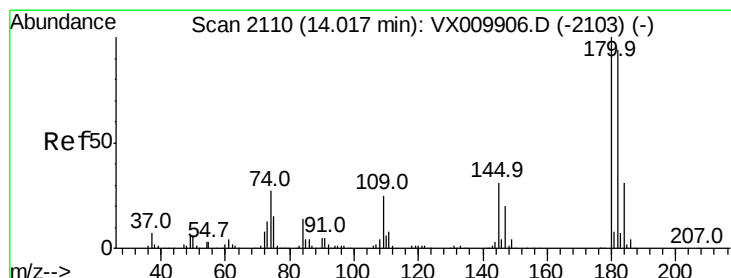
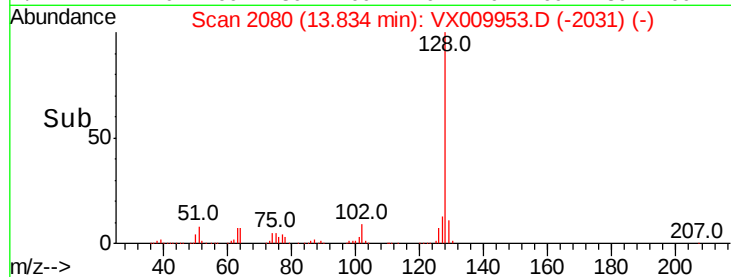
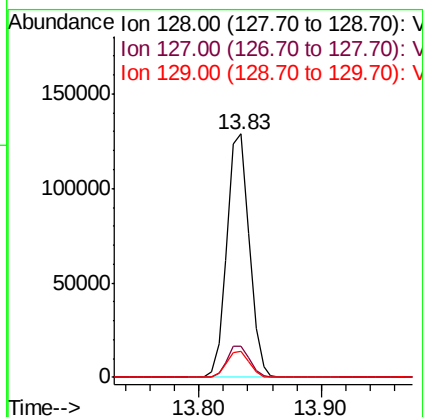
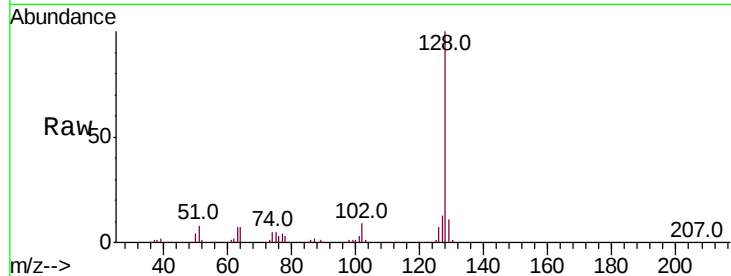
#95
Naphthalene
Concen: 19.055 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	162856		
127	13.0		10.6	16.0
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:23:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.509 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009953.D
Acq: 30 May 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	53634		
182	95.0		47.3	142.0
145	31.0		15.6	46.7

