

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009474.D
 Acq On : 10 May 2019 11:41
 Operator : JC/SP
 Sample : VX0510WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:51:55 AM

Quant Time: May 10 15:15:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	29838	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	165676	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	147305	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	70834	28.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.40%
60) 4-Bromofluorobenzene	11.13	95	73639	29.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.07%
63) Toluene-d8	8.71	98	209523	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	29012	18.298	ug/l 100
3) Chloromethane	1.32	50	44333	20.803	ug/l 100
4) Vinyl Chloride	1.41	62	42648	20.060	ug/l 100
5) Bromomethane	1.64	94	24573	18.234	ug/l 95
6) Chloroethane	1.72	64	27676	19.850	ug/l 99
7) Trichlorofluoromethane	1.93	101	54205	20.647	ug/l 99
8) Diethyl Ether	2.19	74	25263	20.724	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	32712	20.126	ug/l 99
10) 1,1-Dichloroethene	2.37	96	33481	20.515	ug/l 97
11) Methyl Iodide	2.51	142	34174	19.262	ug/l 97
12) Methyl Acetate	2.77	43	56863	18.498	ug/l 97
13) Acrolein	2.29	56	44850	106.376	ug/l 100
14) Acrylonitrile	3.14	53	135540	101.599	ug/l 99
15) Acetone	2.44	58	40229	105.029	ug/l 98
16) Carbon Disulfide	2.57	76	93404	21.152	ug/l 100
17) Allyl chloride	2.73	41	77743	19.842	ug/l 99
18) Methylene Chloride	2.85	84	40300	20.432	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	35878	20.618	ug/l 96
20) Diisopropyl ether	3.85	45	155976	20.215	ug/l 96
21) 1,1-Dichloroethane	3.70	63	74972	20.078	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	42458	20.256	ug/l 99
23) tert-Butyl Alcohol	3.04	59	54828	97.195	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	127855	20.018	ug/l 100
25) Chloroform	5.21	83	69040	20.261	ug/l 99
26) Cyclohexane	5.58	56	71915	20.665	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	52900	21.761	ug/l 99
30) 2-Butanone	4.67	43	205564	107.973	ug/l 100
31) 2,2-Dichloropropane	4.58	77	55552	20.728	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	57449	21.799	ug/l 97
33) Carbon Tetrachloride	5.79	117	47003	21.317	ug/l 97
34) Benzene	6.14	78	163063	21.757	ug/l 98
35) Methacrylonitrile	5.04	41	42747	21.461	ug/l 94
36) 1,2-Dichloroethane	6.20	62	58937	21.672	ug/l 99
37) Trichloroethene	7.21	130	38784	21.497	ug/l 97
38) Methylcyclohexane	7.46	83	65127	21.684	ug/l 100
39) 1,2-Dichloropropane	7.51	63	44957	21.064	ug/l 100
40) Dibromomethane	7.66	93	26736	22.071	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009474.D
 Acq On : 10 May 2019 11:41
 Operator : JC/SP
 Sample : VX0510WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:51:55 AM

Quant Time: May 10 15:15:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	51891	20.972	ug/l	100
42) Vinyl Acetate	3.81	43	689186	109.681	ug/l	99
43) Ethyl Acetate	4.83	43	73390	21.333	ug/l	97
44) Isopropyl Acetate	6.44	43	116969	20.988	ug/l	99
45) 1,4-Dioxane	7.74	88	23180	423.639	ug/l	98
46) Methyl methacrylate	7.77	41	58958	21.195	ug/l	99
47) n-amyl Acetate	10.90	43	100857	20.089	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	58529	20.273	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	66320	20.925	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	40197	21.659	ug/l	99
51) Ethyl methacrylate	9.18	69	70529	20.565	ug/l	99
52) 1,3-Dichloropropane	9.37	76	70633	21.444	ug/l	99
53) Dibromochloromethane	9.58	129	39065	21.136	ug/l	100
54) 1,2-Dibromoethane	9.67	107	41029	21.556	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	164486	90.004	ug/l	100
56) Bromoform	10.85	173	28944	20.400	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	386990	106.843	ug/l	100
59) 2-Hexanone	9.49	43	301777	106.224	ug/l	100
61) Tetrachloroethene	9.34	164	34692	21.364	ug/l	99
62) Toluene	8.78	91	171975	21.848	ug/l	98
64) Chlorobenzene	10.13	112	101564	21.439	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	37499	21.619	ug/l	96
66) Ethyl Benzene	10.25	91	188798	21.531	ug/l	99
67) m/p-Xylenes	10.36	106	139748	43.650	ug/l	98
68) o-Xylene	10.69	106	68352	21.712	ug/l	98
69) Styrene	10.71	104	115476	20.896	ug/l	98
70) Isopropylbenzene	11.02	105	181808	21.474	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	66281	21.377	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	58697m	21.968	ug/l	
73) Bromobenzene	11.25	156	44916	21.472	ug/l	99
74) n-propylbenzene	11.36	91	207792	21.180	ug/l	99
75) 2-Chlorotoluene	11.42	91	125519	21.330	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	152220	21.226	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	21309	19.771	ug/l	98
78) 4-Chlorotoluene	11.51	91	141091	21.110	ug/l	99
79) tert-butylbenzene	11.77	119	148059	21.356	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	151670	21.101	ug/l	100
81) sec-Butylbenzene	11.94	105	174431	21.177	ug/l	99
82) p-Isopropyltoluene	12.06	119	158498	21.154	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	77742	20.811	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	76521	20.560	ug/l	99
85) n-Butylbenzene	12.38	91	140690	20.521	ug/l	98
86) Hexachloroethane	12.59	117	25132	19.712	ug/l	92
87) 1,2-Dichlorobenzene	12.39	146	78975	21.002	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14805	20.548	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	54418	20.303	ug/l	98
90) Hexachlorobutadiene	13.78	225	28815	21.523	ug/l	98
91) Naphthalene	13.83	128	182931	20.846	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	56914	20.890	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
Data File : VX009474.D
Acq On : 10 May 2019 11:41
Operator : JC/SP
Sample : VX0510WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS01

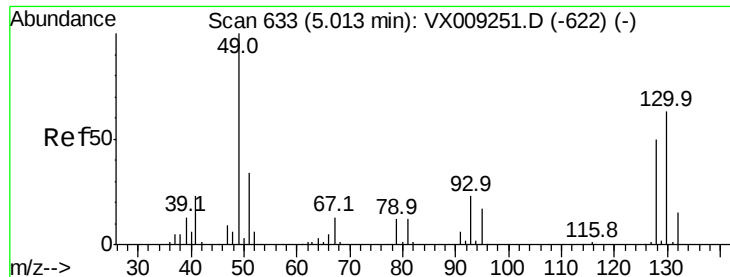
Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM

Quant Time: May 10 15:15:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampled :

VX0510WBS01

Tot Ion:128 Resp: 29838

Ion Ratio Lower Upper

128 100

49 195.8 0.0 515.0

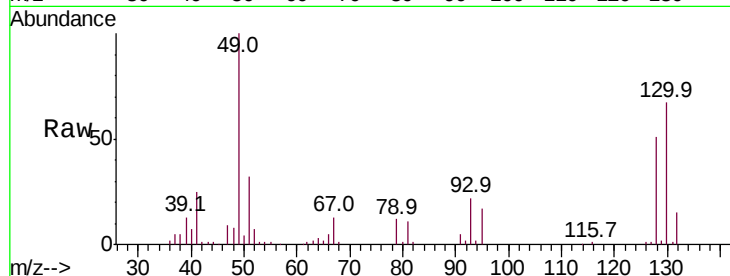
130 127.0 0.0 323.3

Manual Integrations

APPROVED

MMDadoda

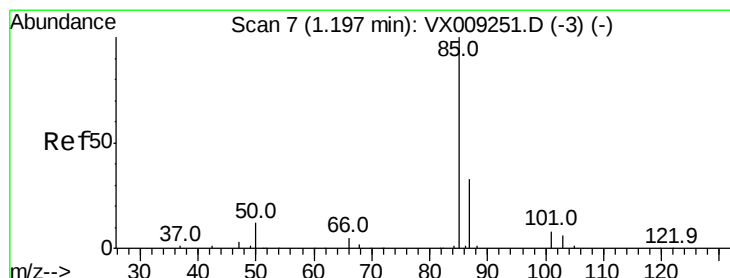
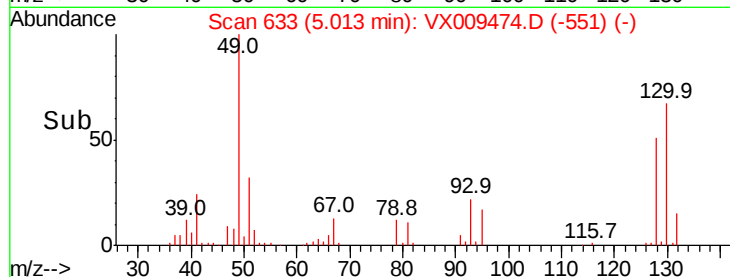
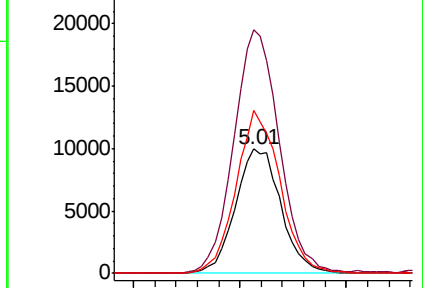
5/11/2019 11:51:55 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.298 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009474.D

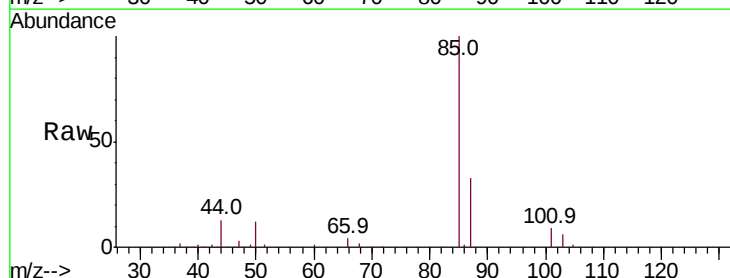
Acq: 10 May 2019 11:41

Tgt Ion: 85 Resp: 29012

Ion Ratio Lower Upper

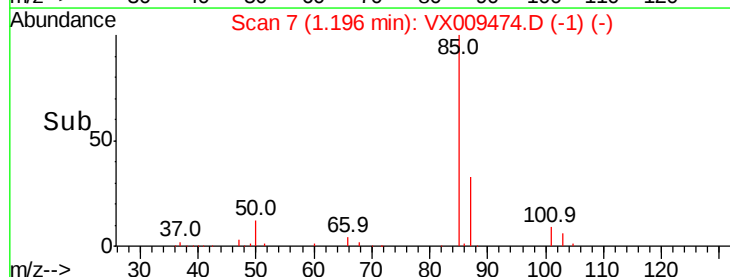
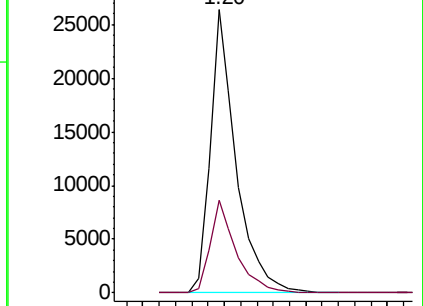
85 100

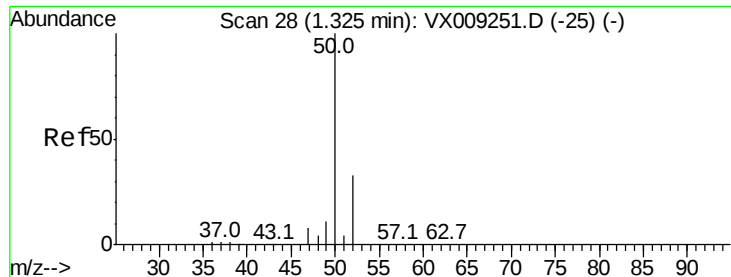
87 32.5 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.803 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion: 50 Resp: 44333

Ion Ratio Lower Upper

50 100

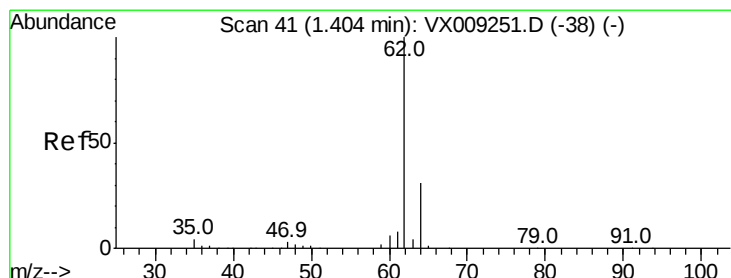
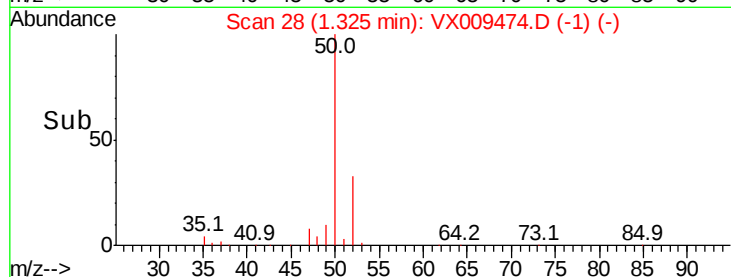
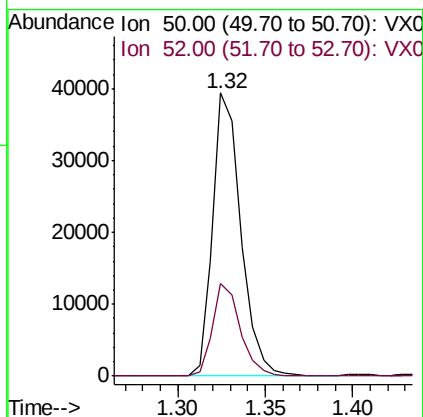
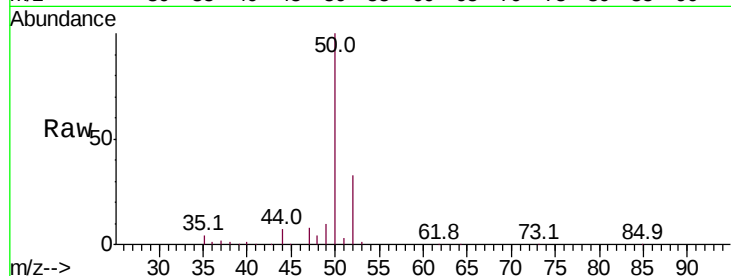
52 32.7 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:51:55 AM



#4

Vinyl Chloride

Concen: 20.060 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009474.D

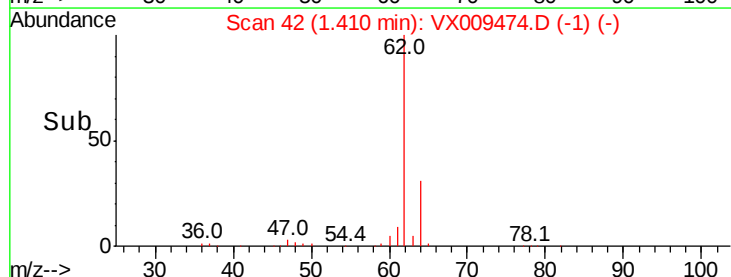
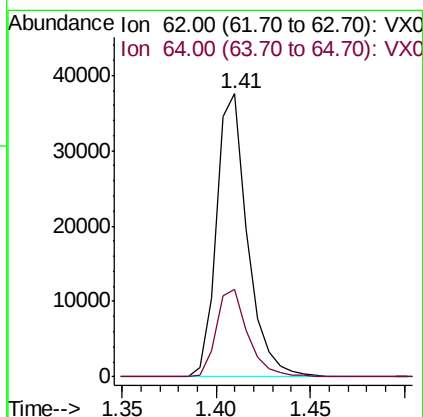
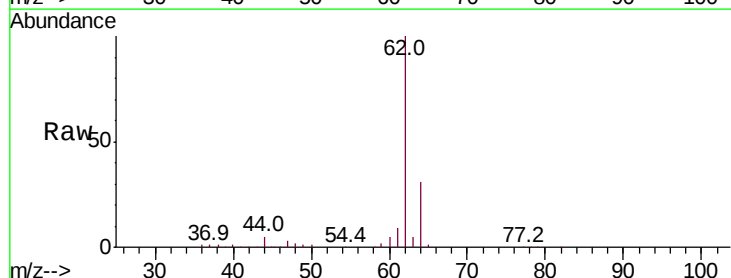
Acq: 10 May 2019 11:41

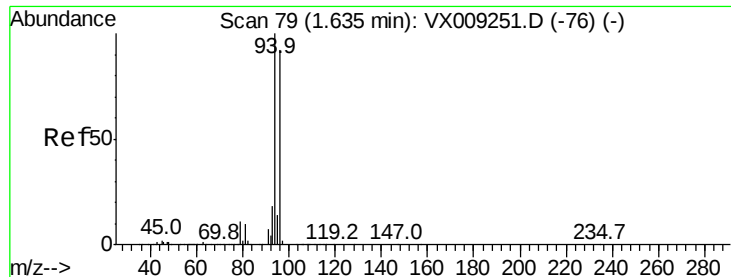
Tgt Ion: 62 Resp: 42648

Ion Ratio Lower Upper

62 100

64 30.8 24.6 36.8





#5

Bromomethane

Concen: 18.234 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion: 94 Resp: 24573

Ion Ratio Lower Upper

94 100

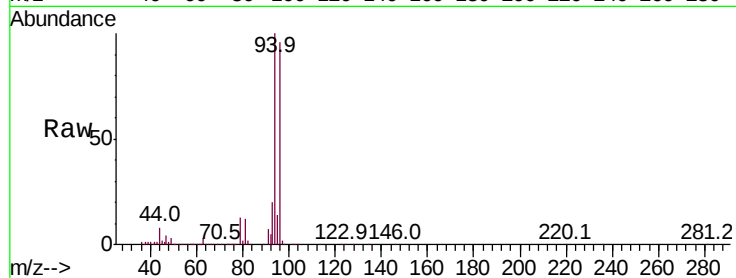
96 96.6 73.5 110.3

Manual Integrations

APPROVED

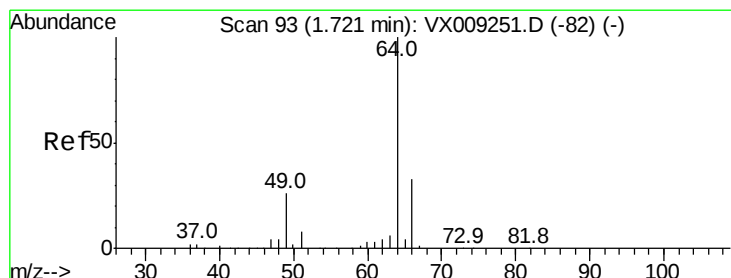
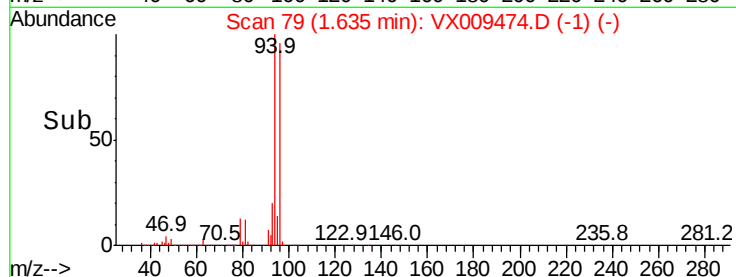
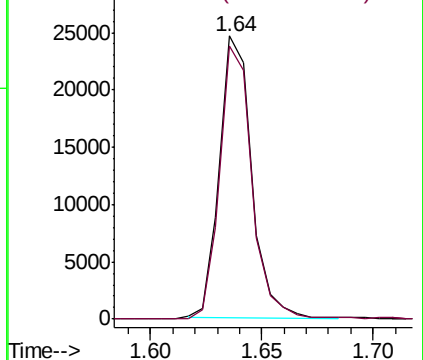
MMDadoda

5/11/2019 11:51:55 AM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 19.850 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009474.D

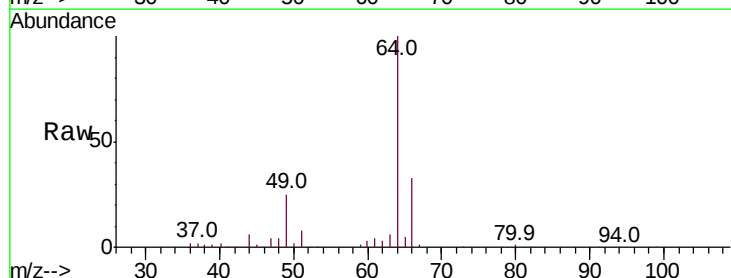
Acq: 10 May 2019 11:41

Tgt Ion: 64 Resp: 27676

Ion Ratio Lower Upper

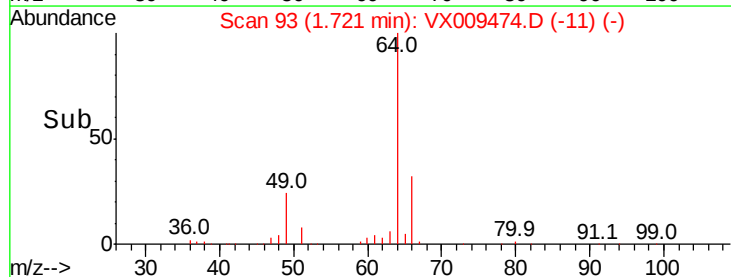
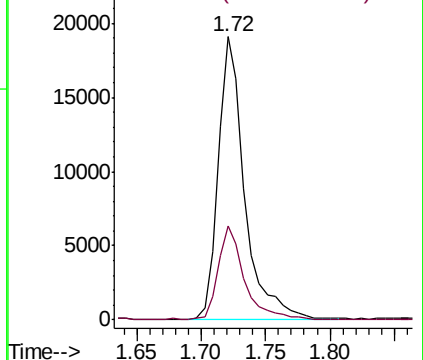
64 100

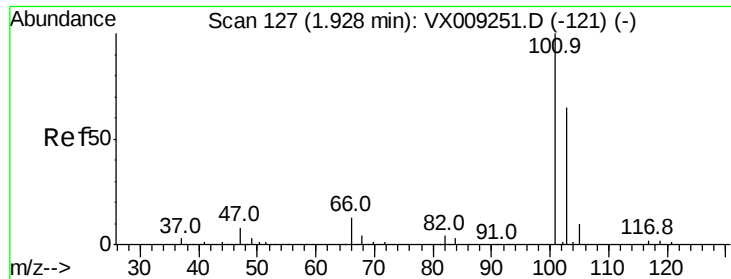
66 33.2 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

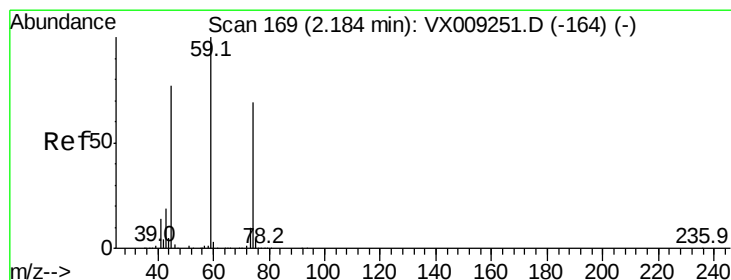
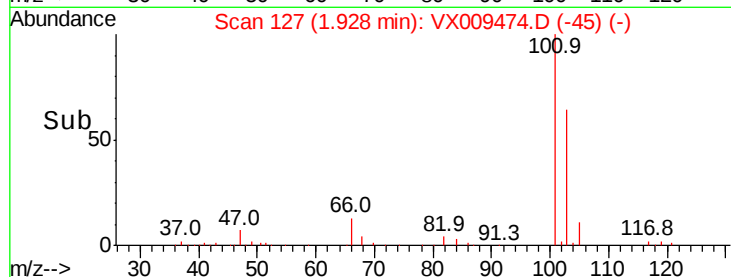
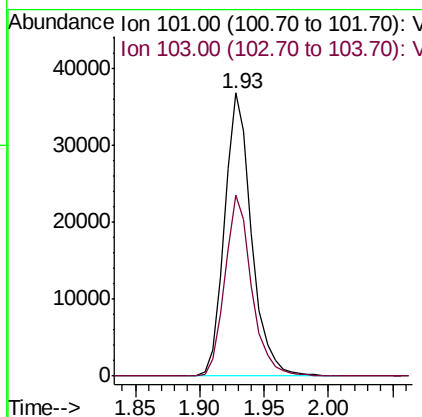
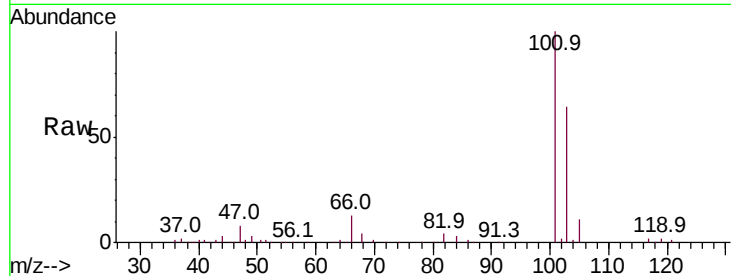
Trichlorofluoromethane
 Concen: 20.647 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Tot Ion:101 Resp: 54205
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.9 77.9

Manual Integrations
 APPROVED

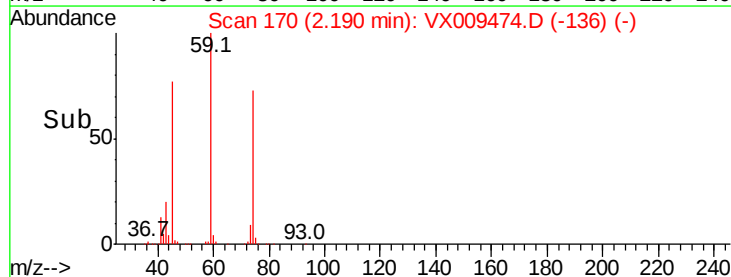
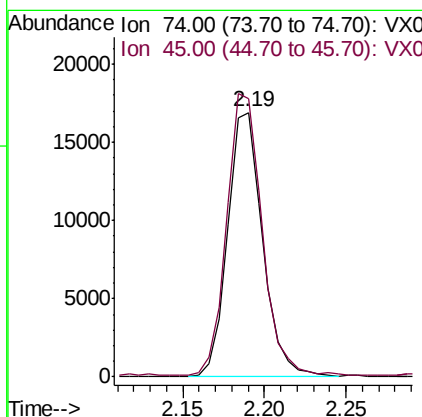
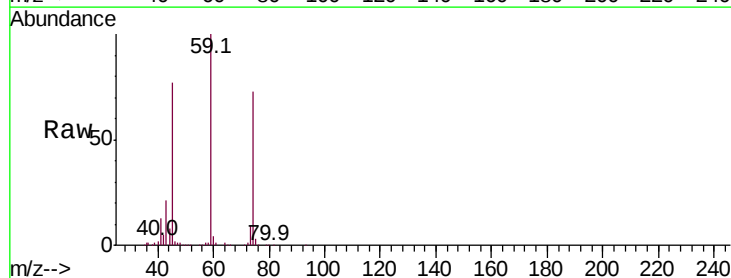
MMDadoda
 5/11/2019 11:51:55 AM

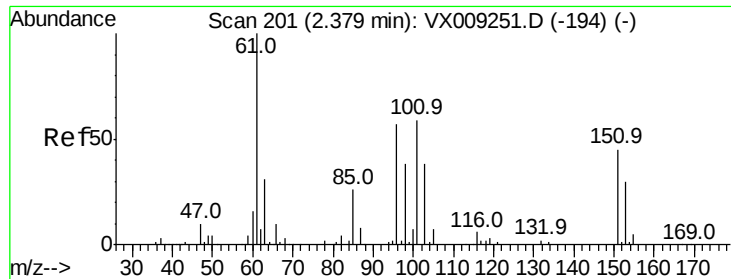


#8

Diethyl Ether
 Concen: 20.724 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Tgt Ion: 74 Resp: 25263
 Ion Ratio Lower Upper
 74 100
 45 107.6 21.5 193.9





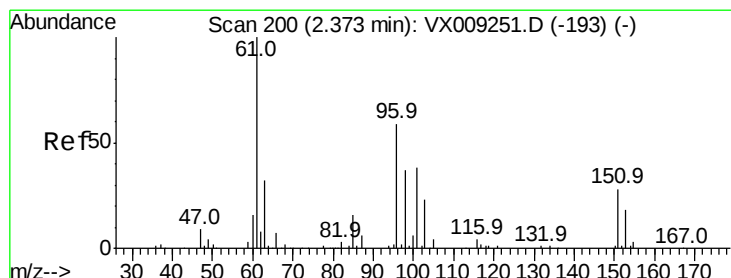
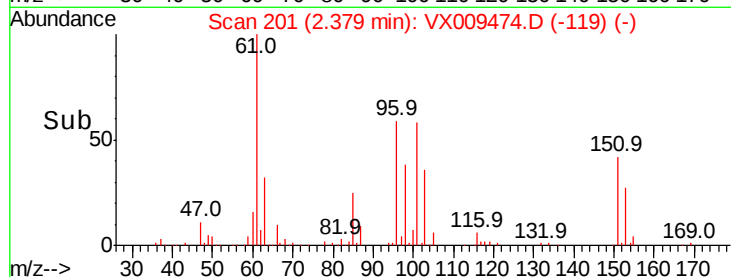
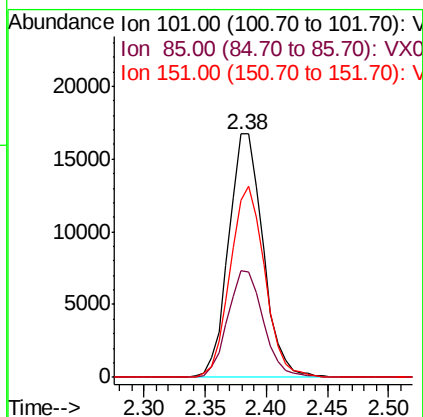
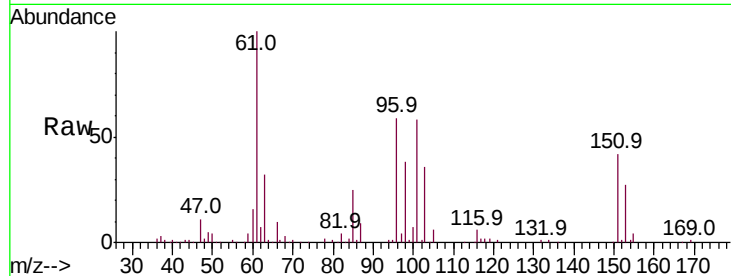
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.126 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	32712		
85	45.1	0.0	87.4	
151	78.8	0.0	157.0	

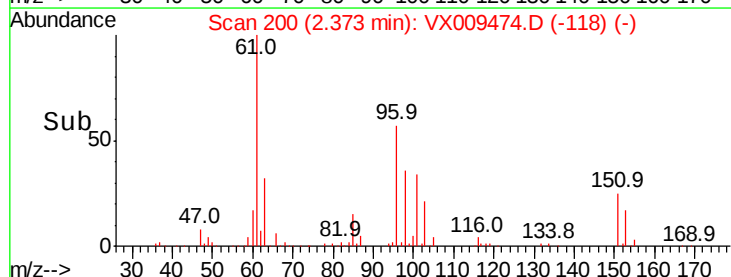
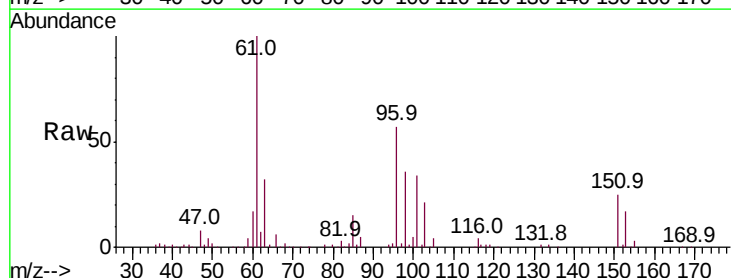
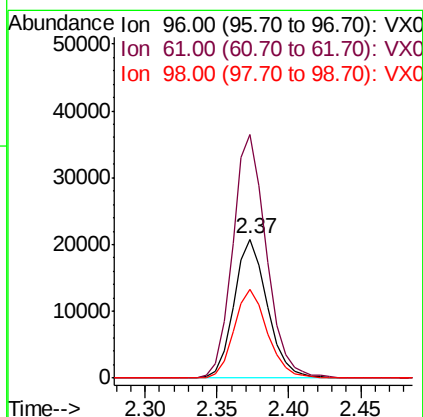
Manual Integrations
 APPROVED

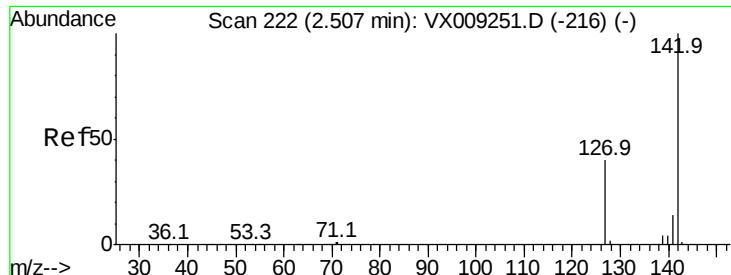
MMDadoda
 5/11/2019 11:51:55 AM



#10
 1,1-Dichloroethene
 Concen: 20.515 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	33481		
61	175.6	136.5	204.7	
98	63.9	51.0	76.4	





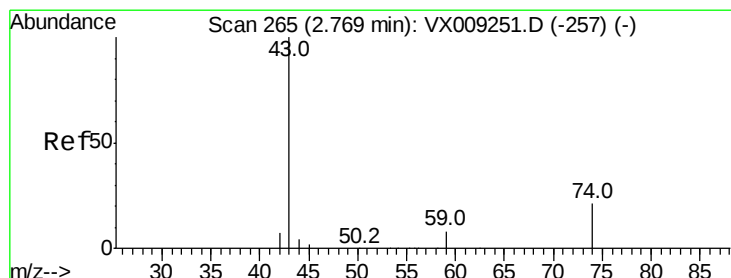
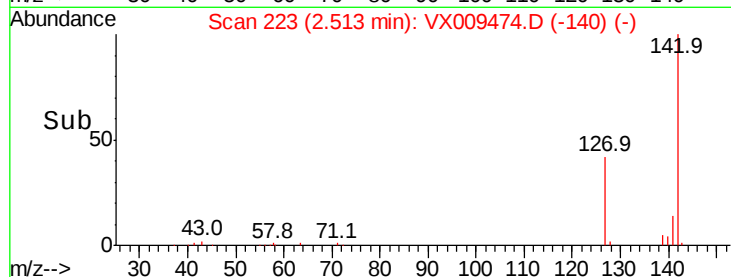
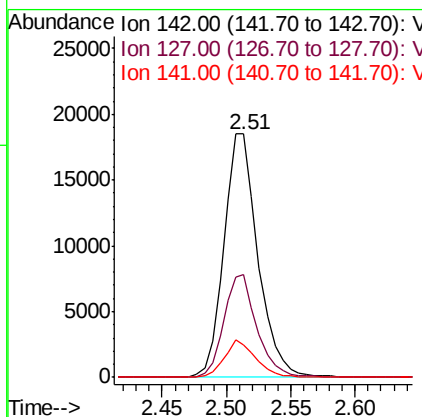
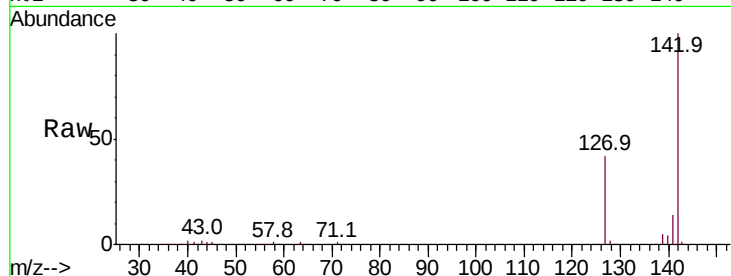
#11
Methyl Iodide
Concen: 19.262 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Instrument :
MSVOA_X
ClientSampled :
VX0510WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.3	20.2	60.5
141	13.5	6.9	20.7

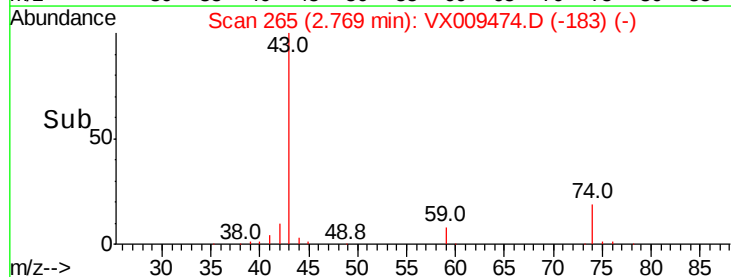
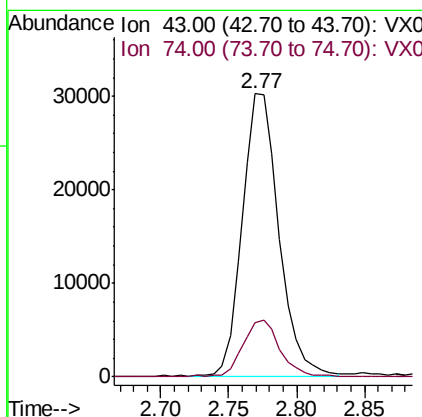
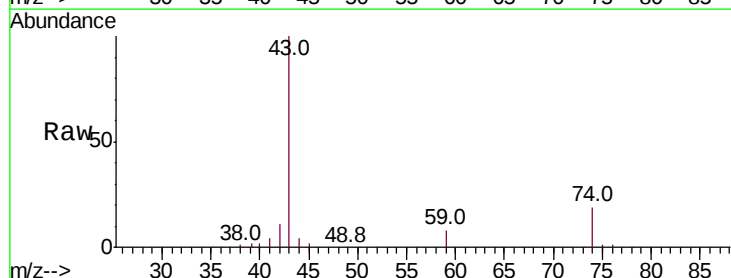
Manual Integrations
APPROVED

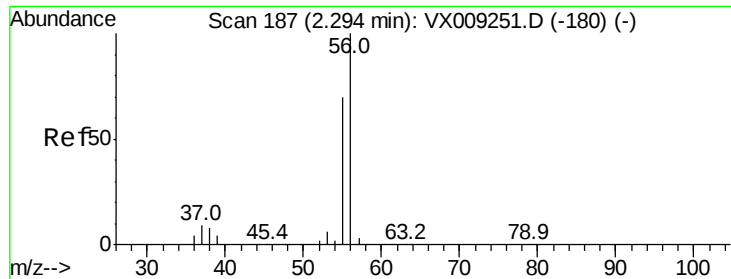
MMDadoda
5/11/2019 11:51:55 AM



#12
Methyl Acetate
Concen: 18.498 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	16.5	24.7





#13

Acrolein

Concen: 106.376 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion: 56 Resp: 44850

Ion Ratio Lower Upper

56 100

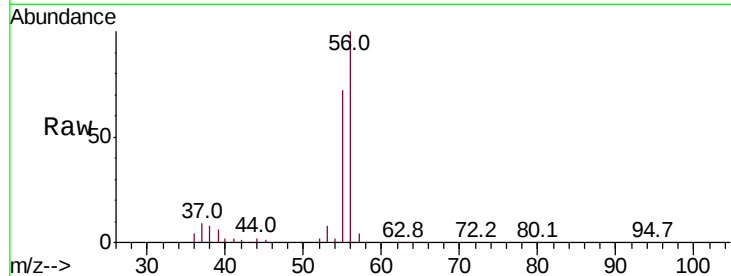
55 71.0 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:51:55 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

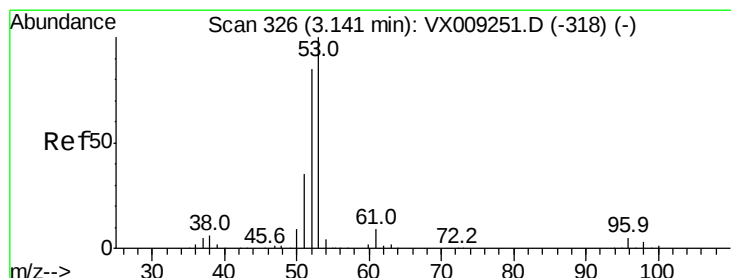
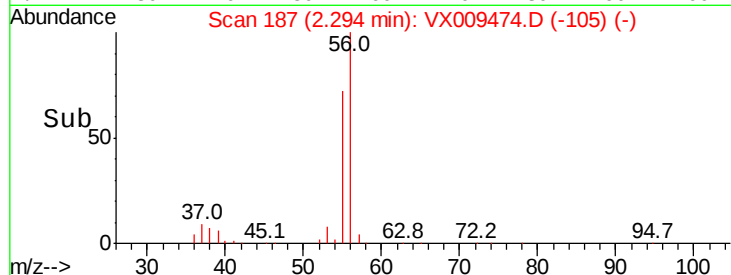
15000

10000

5000

0

Time-->



#14

Acrylonitrile

Concen: 101.599 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

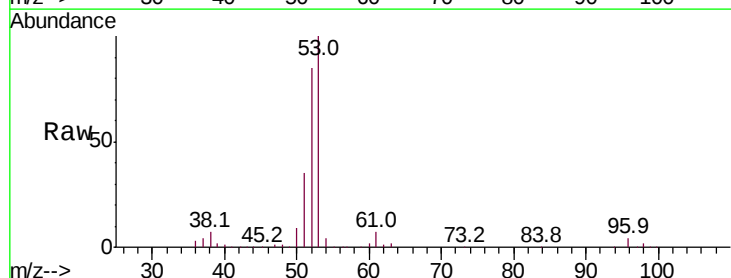
Tgt Ion: 53 Resp: 135540

Ion Ratio Lower Upper

53 100

52 83.4 41.5 124.5

51 36.0 17.8 53.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

80000

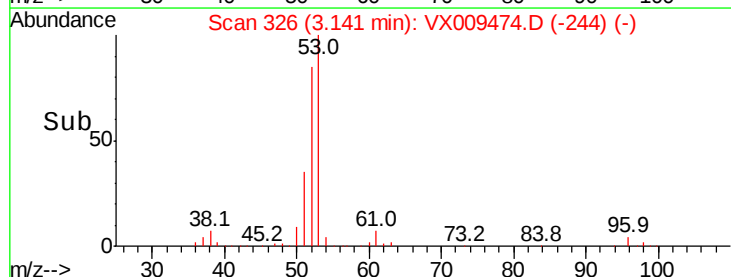
60000

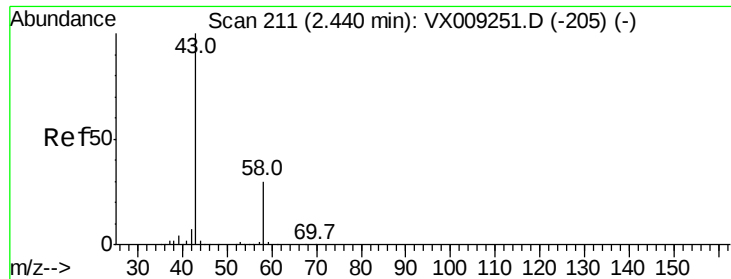
40000

20000

0

Time-->





#15

Acetone

Concen: 105.029 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion: 58 Resp: 40229

Ion Ratio Lower Upper

58 100

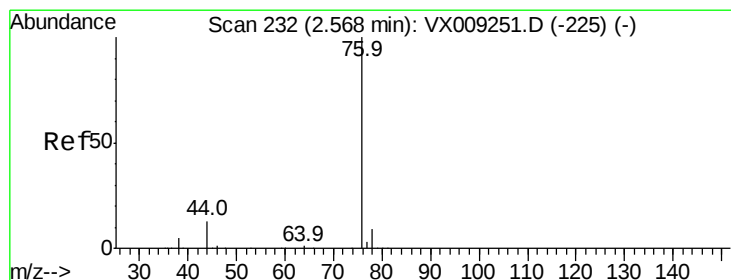
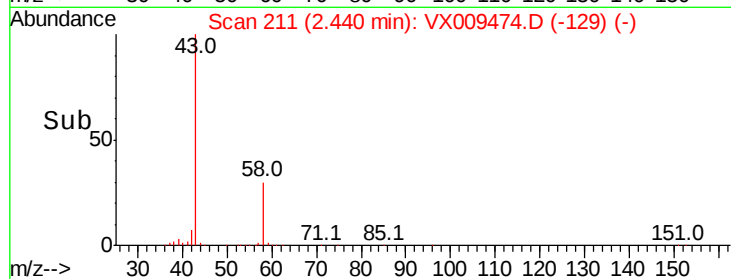
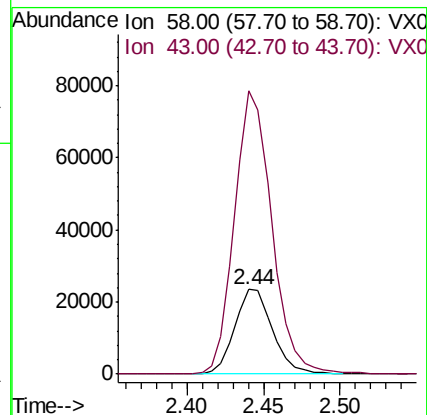
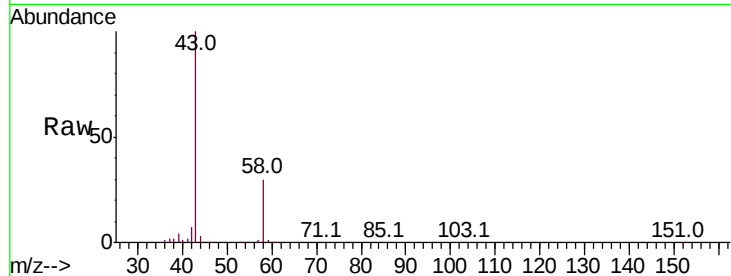
43 333.2 264.0 396.0

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:51:55 AM



#16

Carbon Disulfide

Concen: 21.152 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009474.D

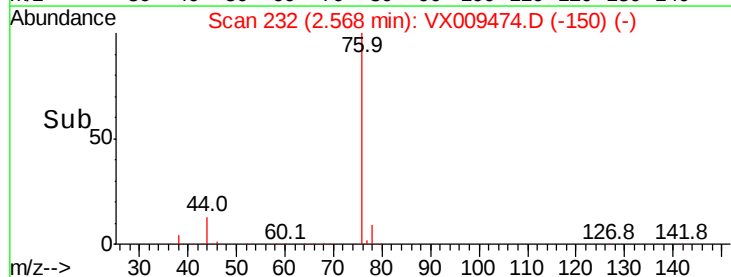
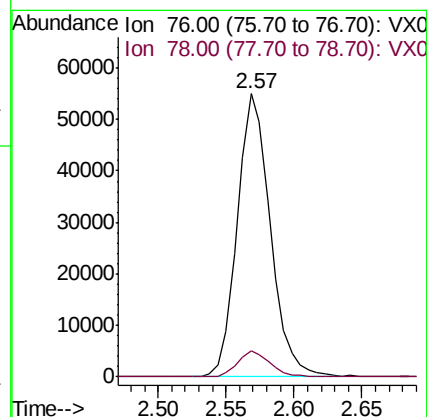
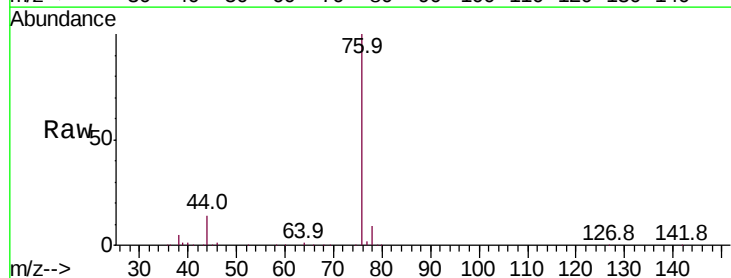
Acq: 10 May 2019 11:41

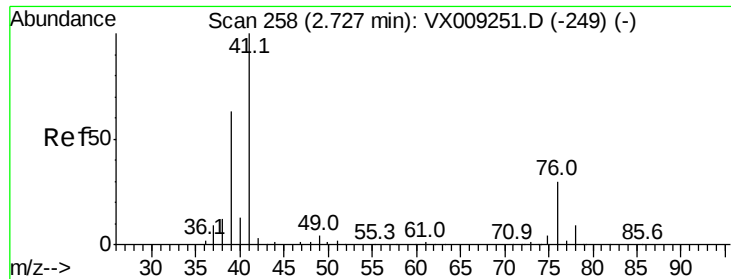
Tgt Ion: 76 Resp: 93404

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#17

Allvl chloride

Concen: 19.842 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

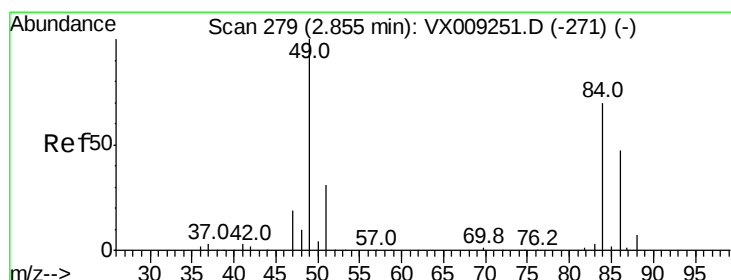
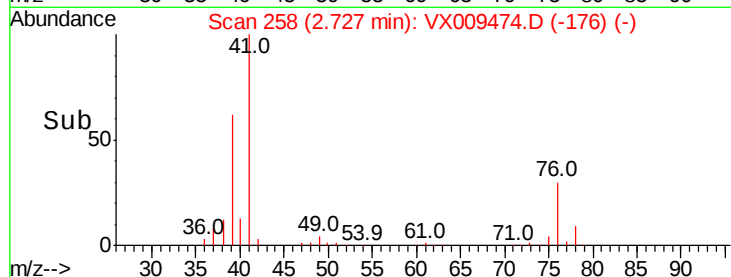
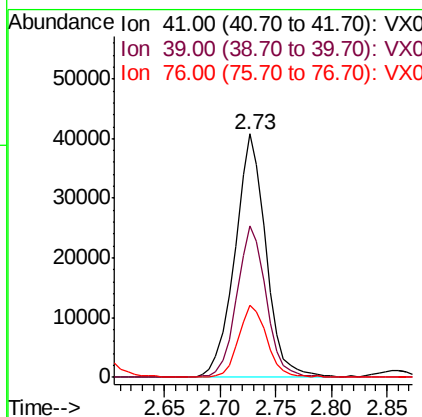
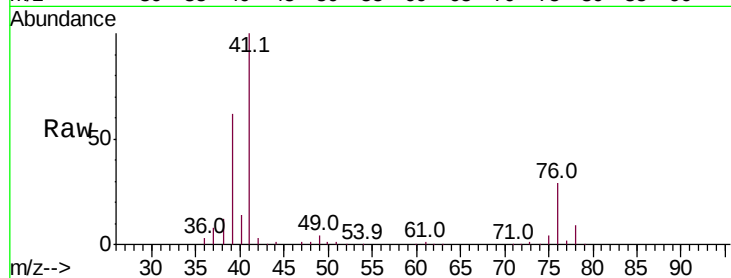
ClientSampleId :

VX0510WBS01

Tot Ion:	41	Resp:	77743
Ion	Ratio	Lower	Upper
41	100		
39	62.2	31.6	94.7
76	29.5	15.1	45.3

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM



#18

Methylene Chloride

Concen: 20.432 ug/l

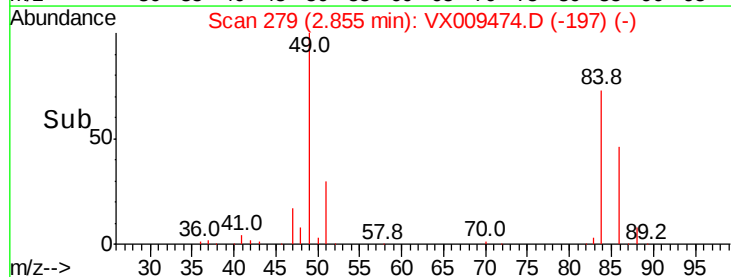
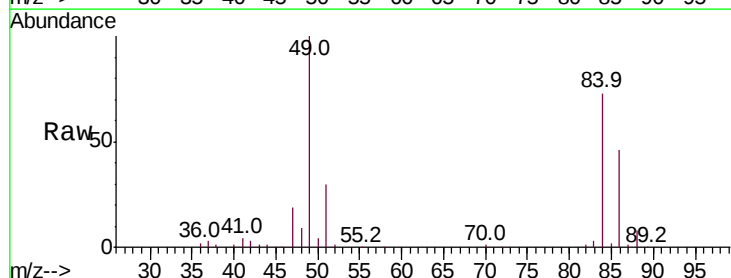
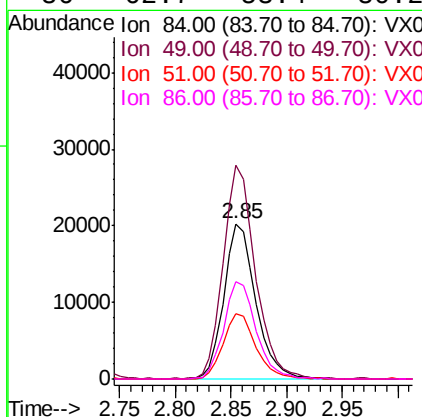
RT: 2.85 min Scan# 279

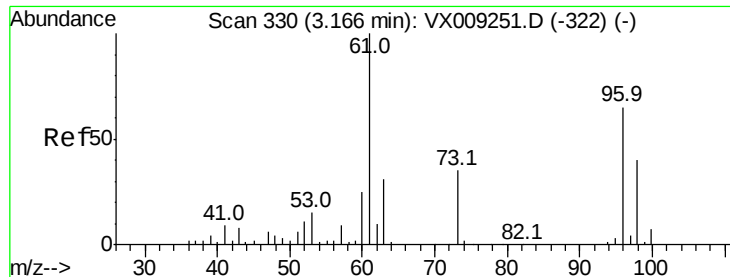
Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Tgt Ion:	84	Resp:	40300
Ion	Ratio	Lower	Upper
84	100		
49	137.2	114.6	171.8
51	41.9	35.5	53.3
86	62.7	53.4	80.2





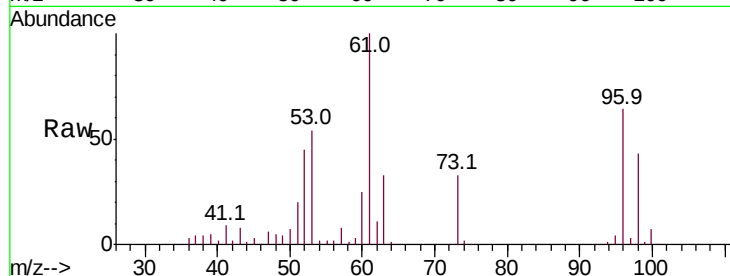
#19
trans-1,2-Dichloroethene
Concen: 20.618 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.1	122.7	184.1
98	67.2	49.5	74.3

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM

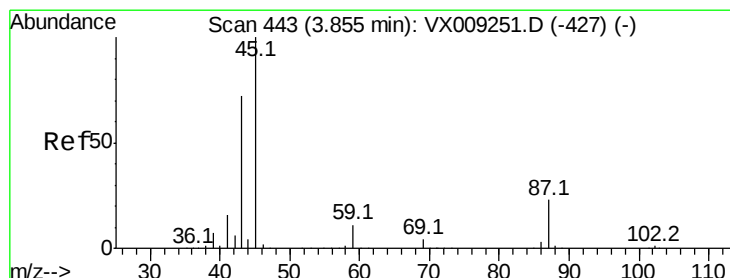
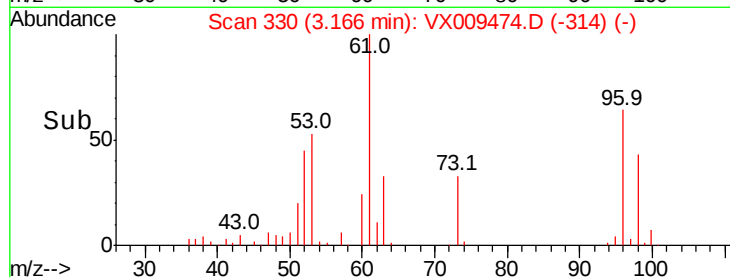
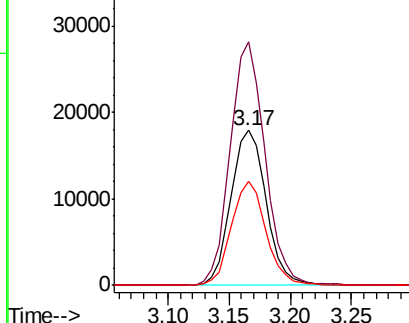


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20
Diisopropyl ether
Concen: 20.215 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	77.1	57.7	86.5
87	23.8	18.5	27.7
59	10.8	8.8	13.2

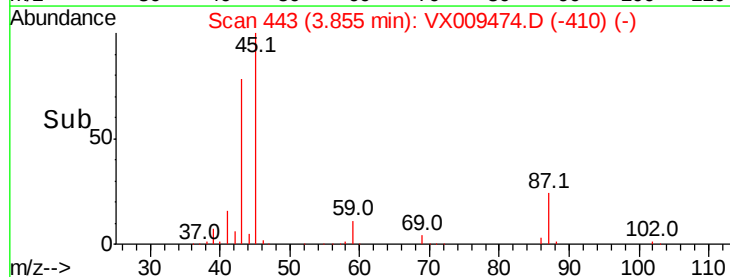
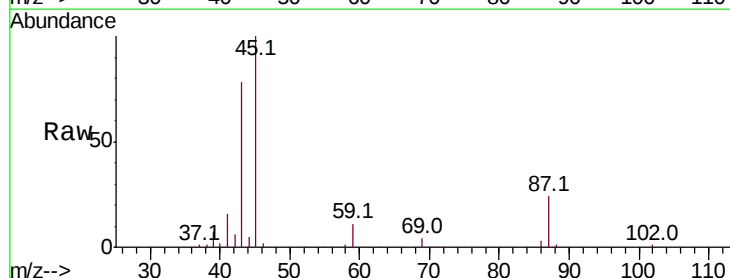
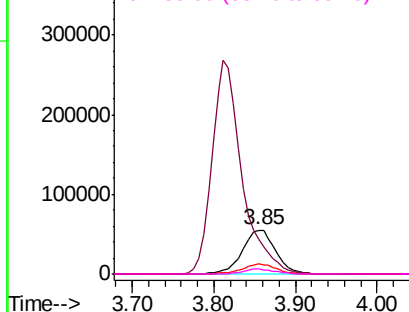
Abundance

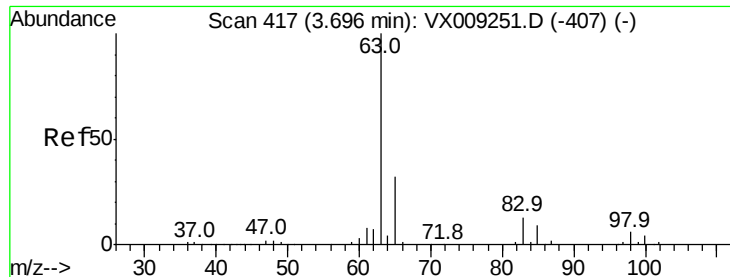
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 20.078 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

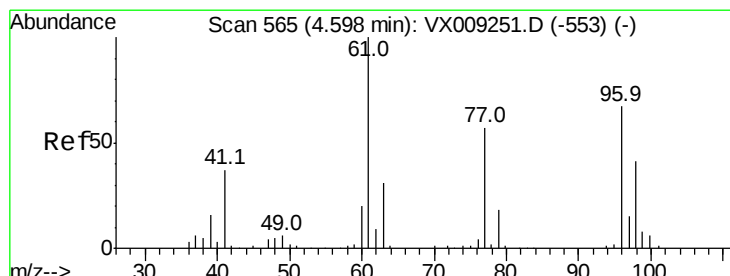
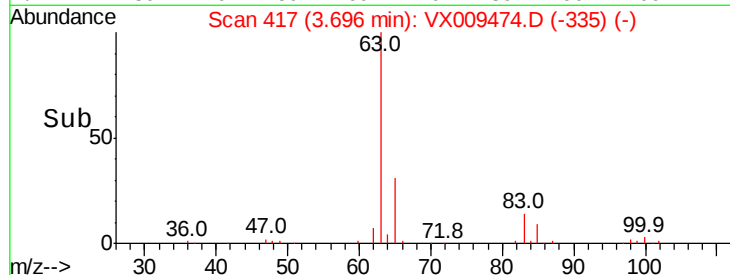
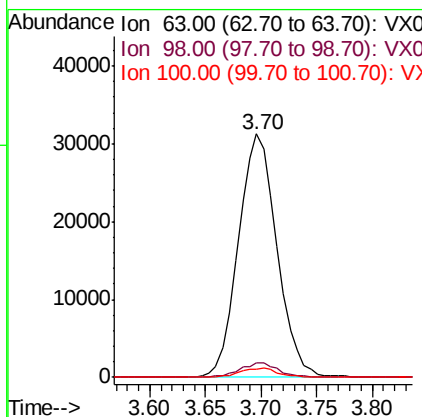
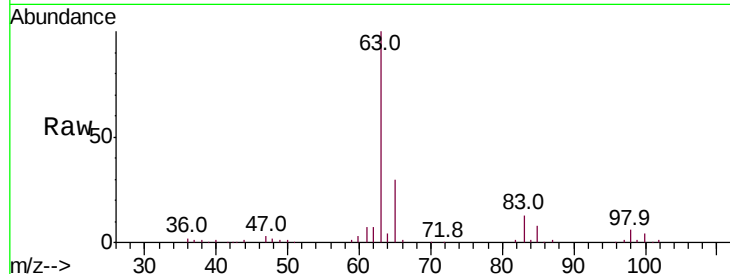
ClientSampleId :

VX0510WBS01

Tot Ion:	63	Resp:	74972
Ion Ratio	Lower	Upper	
63	100		
98	6.1	3.1	9.3
100	3.5	2.2	6.6

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM



#22

cis-1,2-Dichloroethene

Concen: 20.256 ug/l

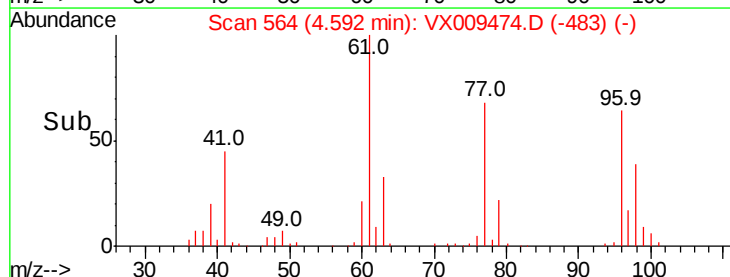
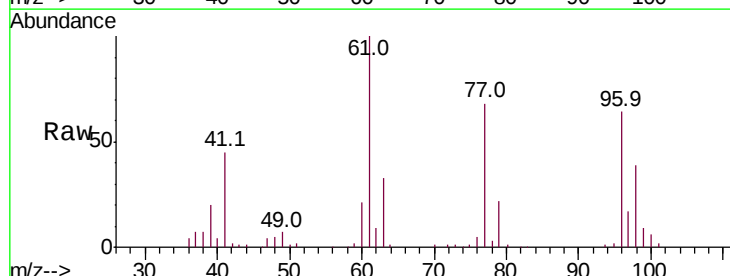
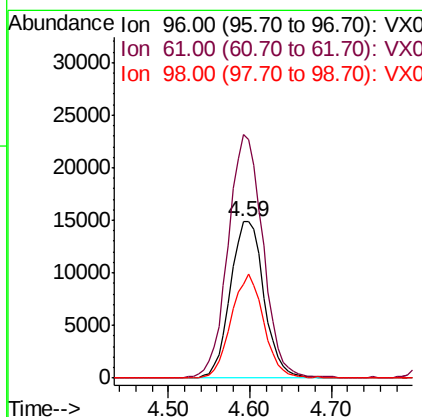
RT: 4.59 min Scan# 564

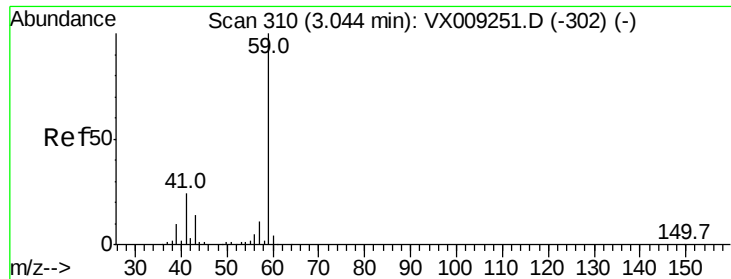
Delta R.T. -0.01 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Tgt Ion:	96	Resp:	42458
Ion Ratio	Lower	Upper	
96	100		
61	160.4	127.7	191.5
98	64.0	50.5	75.7





#23

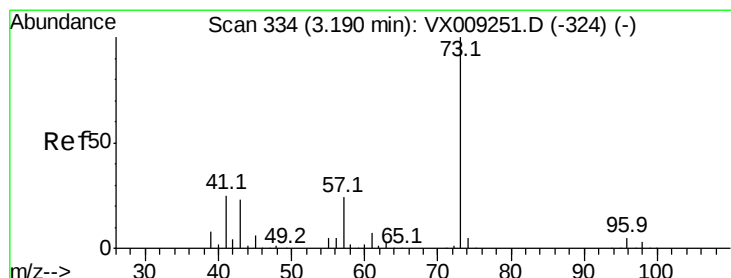
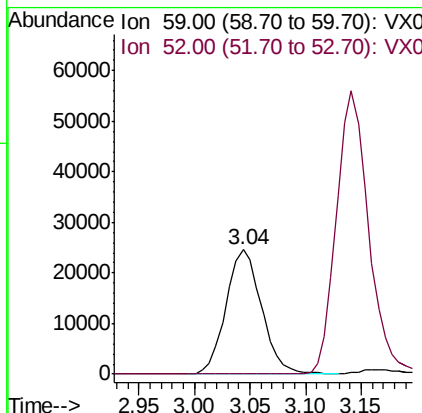
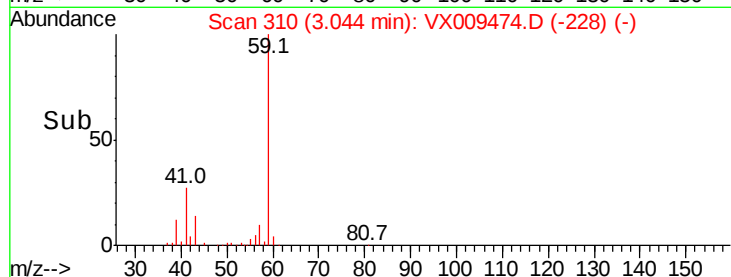
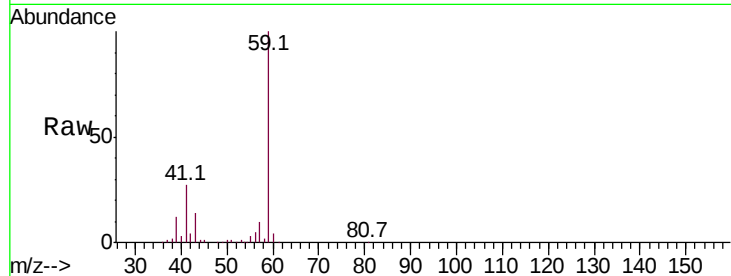
tert-Butyl Alcohol
 Concen: 97.195 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Tot Ion: 59 Resp: 54828
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.2#

Manual Integrations
 APPROVED

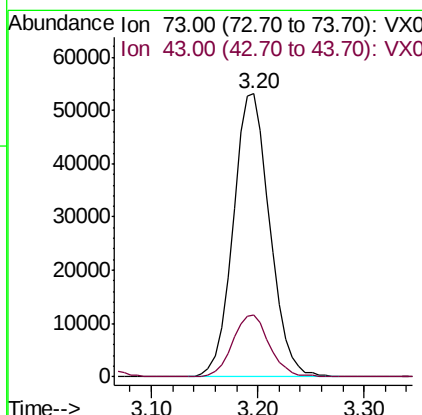
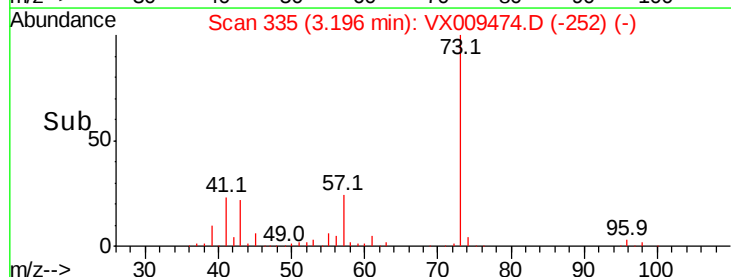
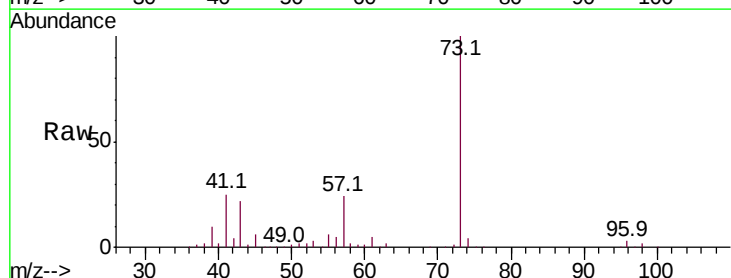
MMDadoda
 5/11/2019 11:51:55 AM

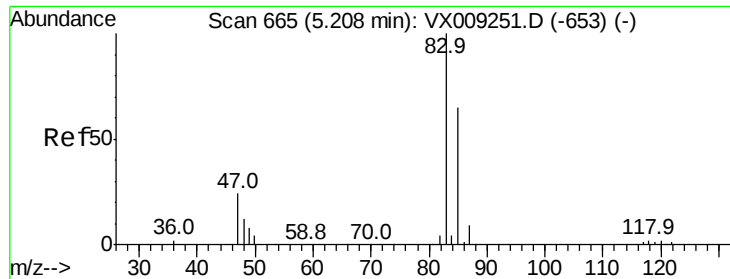


#24

Methyl tert-Butyl Ether
 Concen: 20.018 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Tgt Ion: 73 Resp: 127855
 Ion Ratio Lower Upper
 73 100
 43 22.0 17.6 26.4





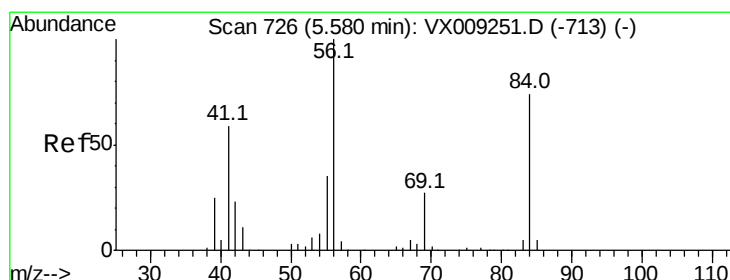
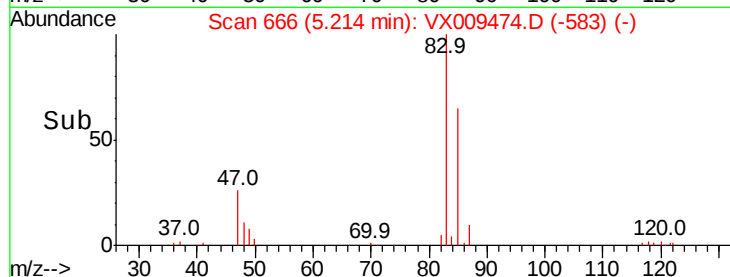
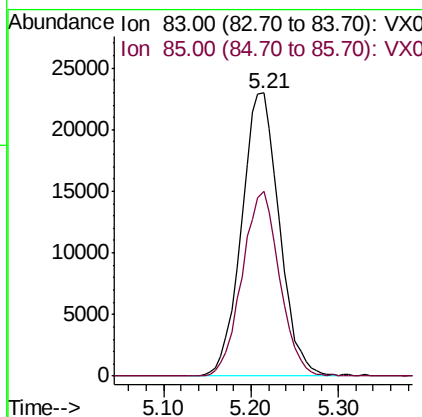
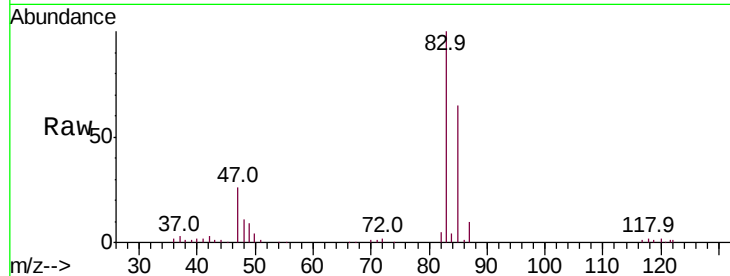
#25
Chloroform
Concen: 20.261 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS01

Tot Ion	83	Resp	69040
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.9	77.9

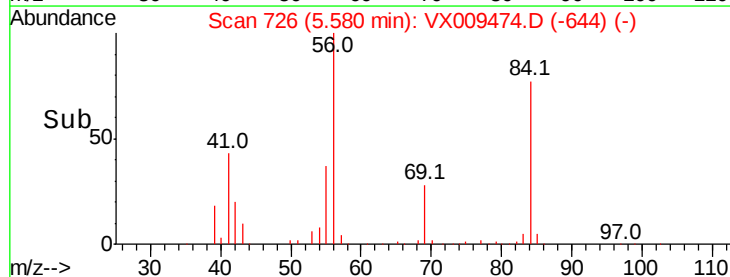
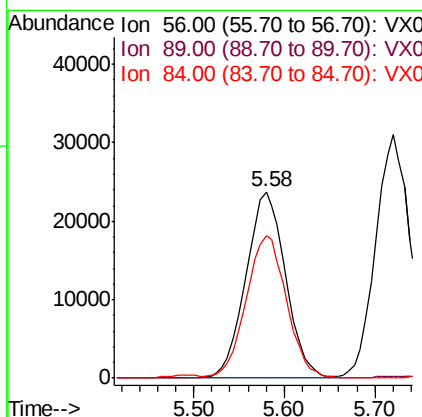
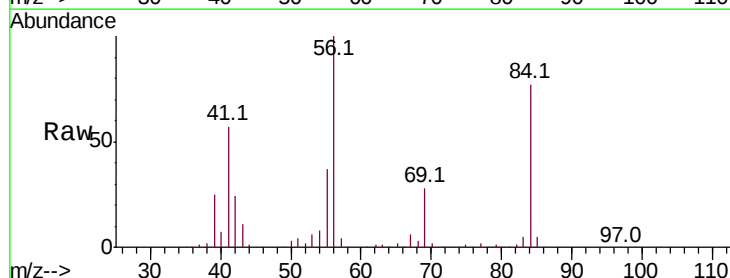
Manual Integrations
APPROVED

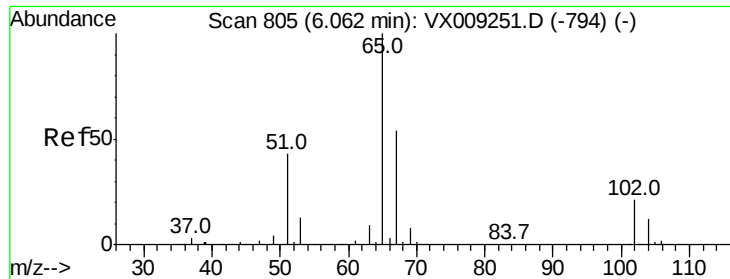
MMDadoda
5/11/2019 11:51:55 AM



#26
Cyclohexane
Concen: 20.665 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Tgt Ion	56	Resp	71915
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	77.6	59.7	89.5





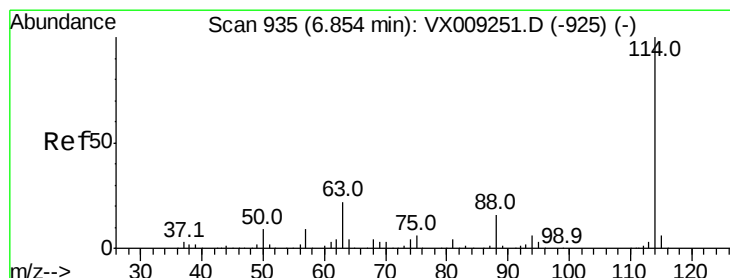
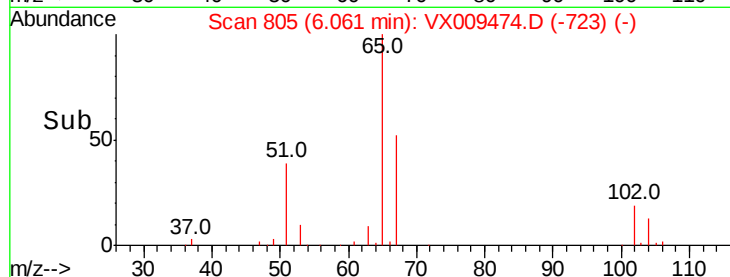
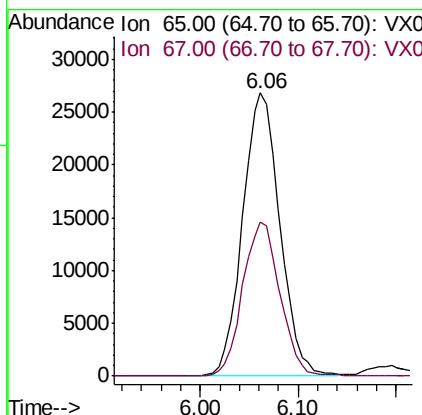
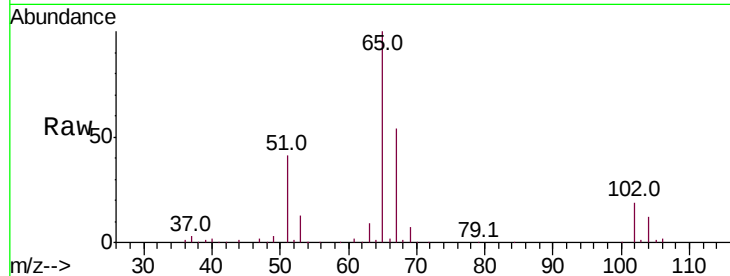
#27
 1,2-Dichloroethane-d4
 Concen: 28.618 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Tot Ion: 65 Resp: 70834
 Ion Ratio Lower Upper
 65 100
 67 54.2 43.1 64.7

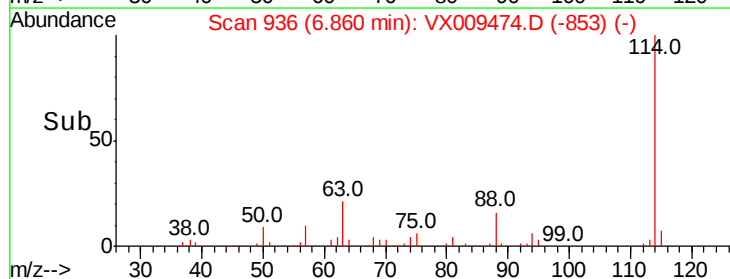
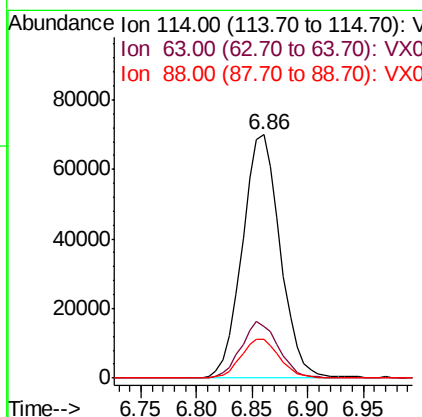
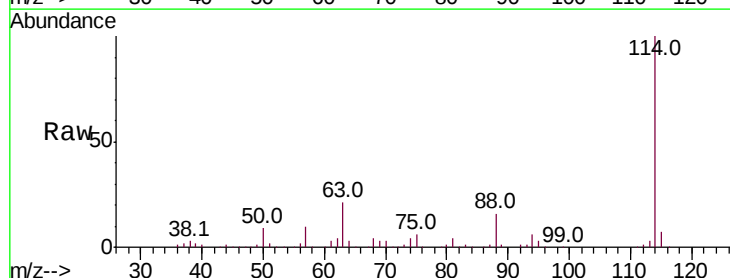
Manual Integrations
 APPROVED

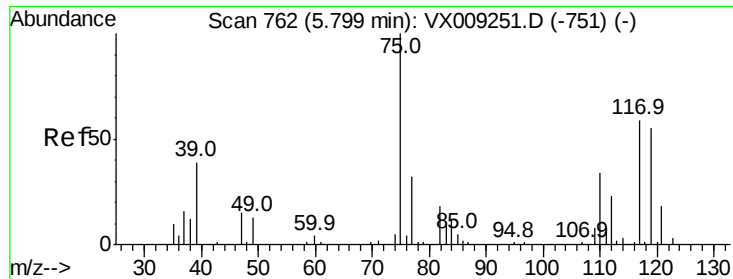
MMDadoda
 5/11/2019 11:51:55 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Tgt Ion: 114 Resp: 165676
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.0 27.0
 88 16.3 13.4 20.0





#29

1,1-Dichloropropene

Concen: 21.761 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

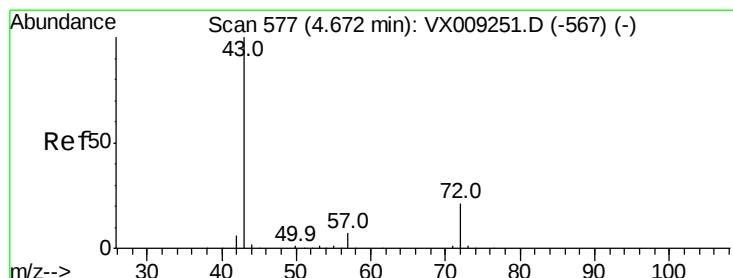
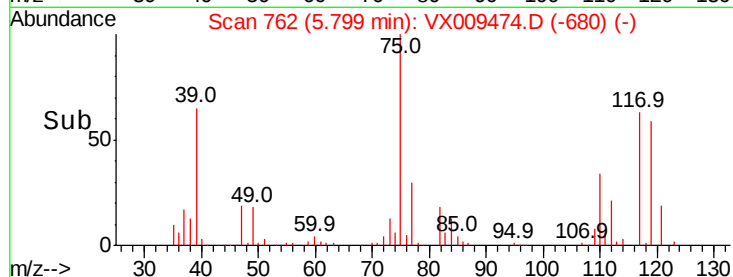
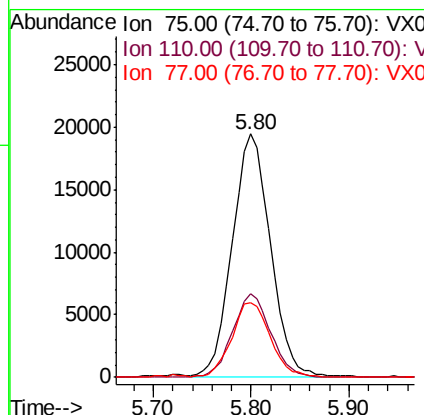
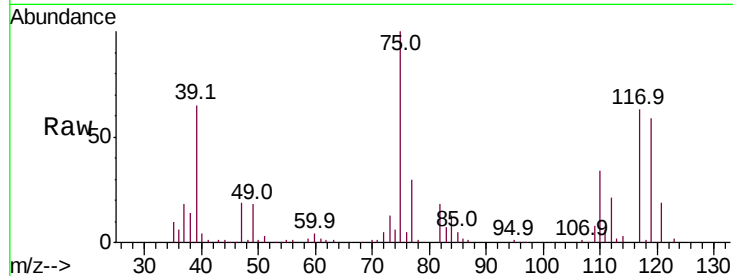
ClientSampleId :

VX0510WBS01

Tot Ion:	75	Resp:	52900
Ion Ratio	Lower	Upper	
75	100		
110	34.1	0.0	66.4
77	31.2	0.0	62.2

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM



#30

2-Butanone

Concen: 107.973 ug/l

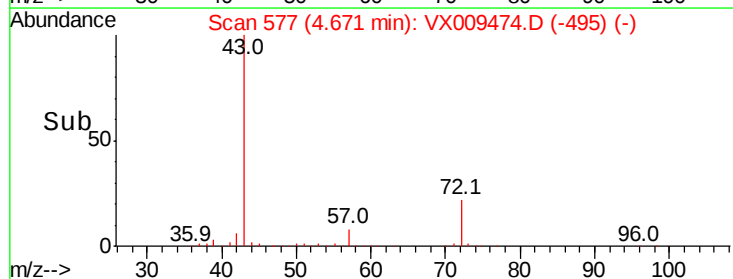
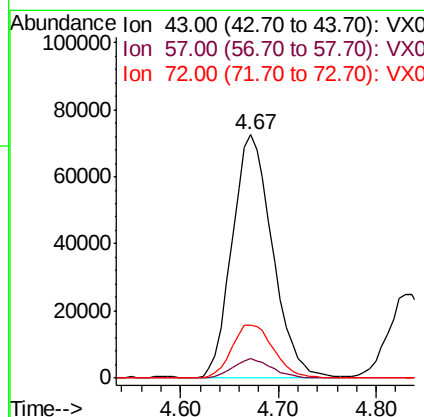
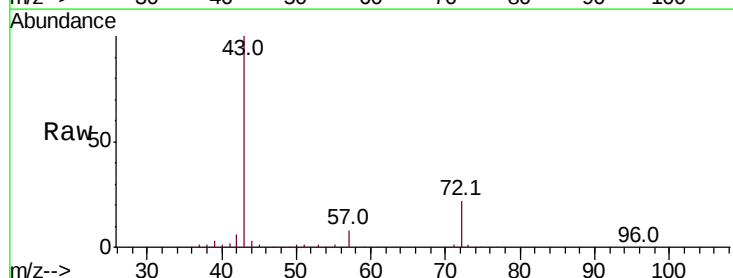
RT: 4.67 min Scan# 577

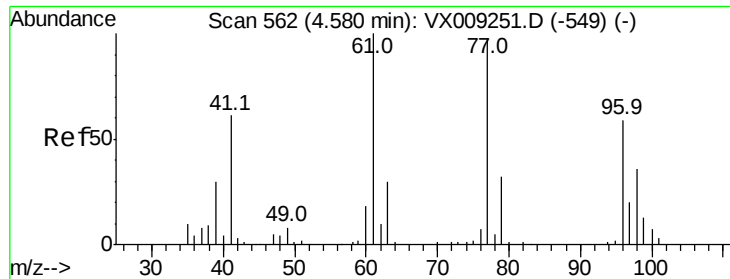
Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Tgt Ion:	43	Resp:	205564
Ion Ratio	Lower	Upper	
43	100		
57	7.6	6.0	9.0
72	22.8	18.2	27.4





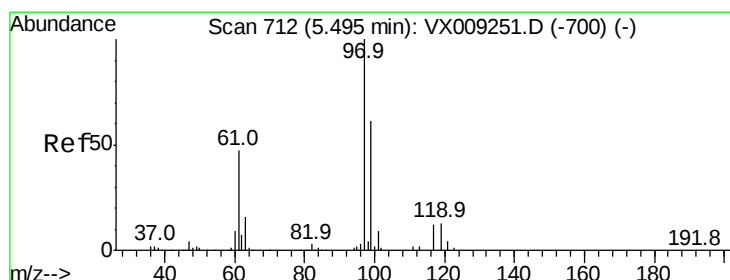
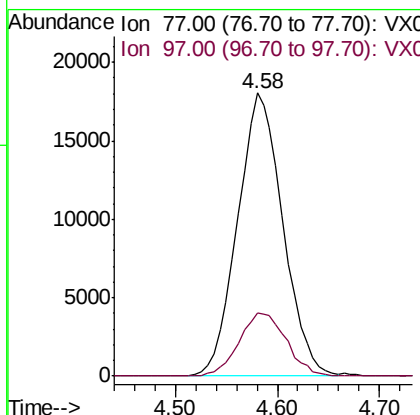
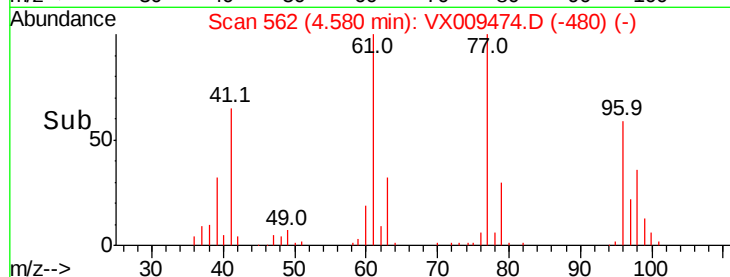
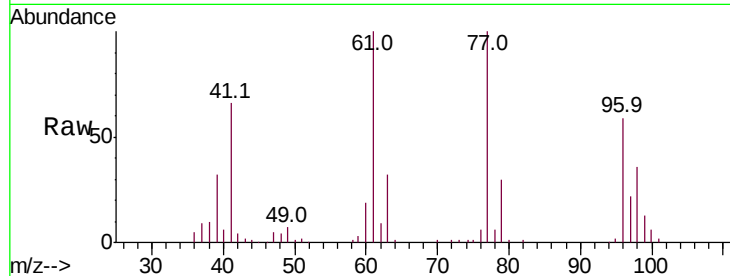
#31
 2,2-Dichloropropane
 Concen: 20.728 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Tot Ion: 77 Resp: 55552
 Ion Ratio Lower Upper
 77 100
 97 23.3 18.3 27.5

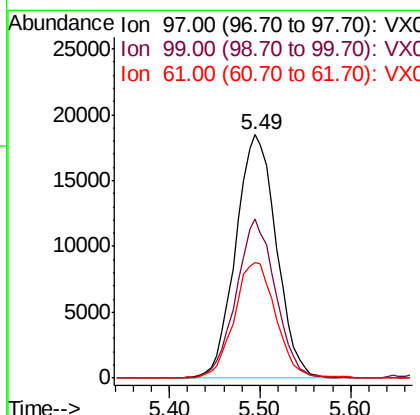
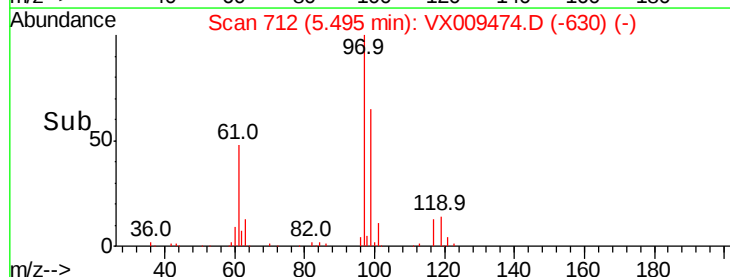
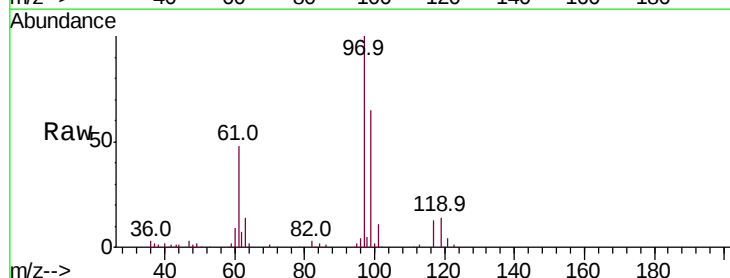
Manual Integrations
 APPROVED

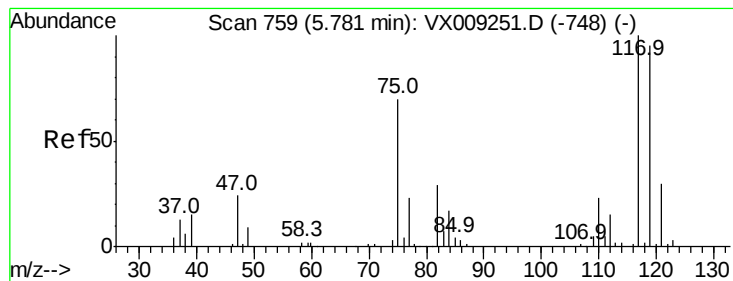
MMDadoda
 5/11/2019 11:51:55 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.799 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Tgt Ion: 97 Resp: 57449
 Ion Ratio Lower Upper
 97 100
 99 63.0 53.9 80.9
 61 48.3 38.6 58.0





#33

Carbon Tetrachloride

Concen: 21.317 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion:117 Resp: 47003

Ion Ratio Lower Upper

117 100

119 98.1 76.1 114.1

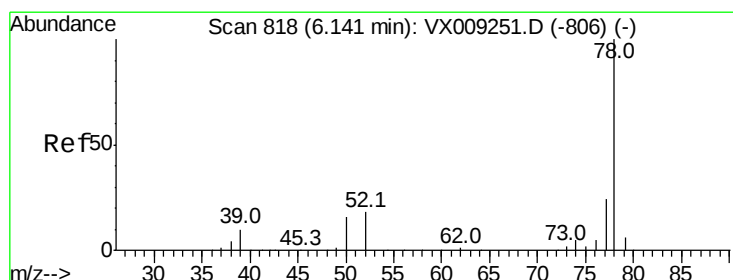
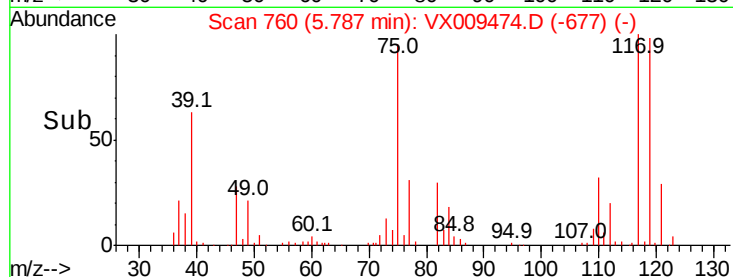
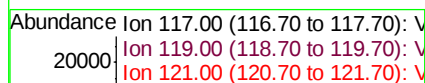
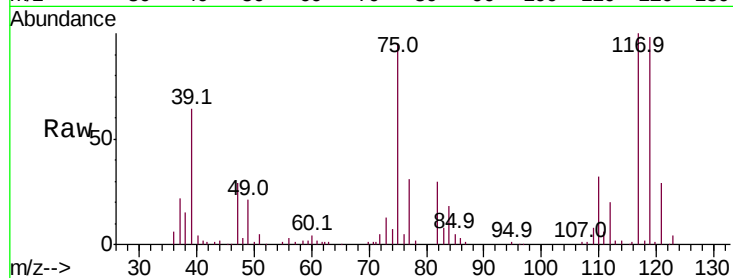
121 29.0 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:51:55 AM



#34

Benzene

Concen: 21.757 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

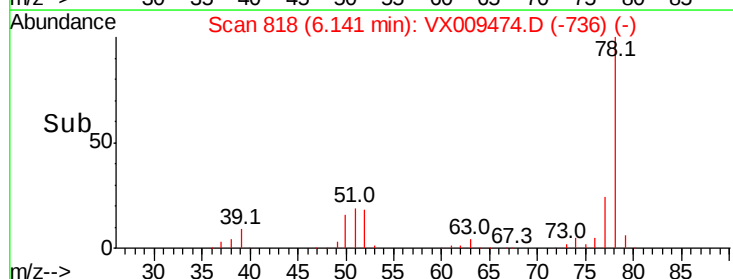
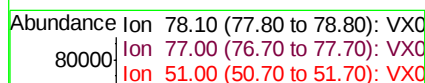
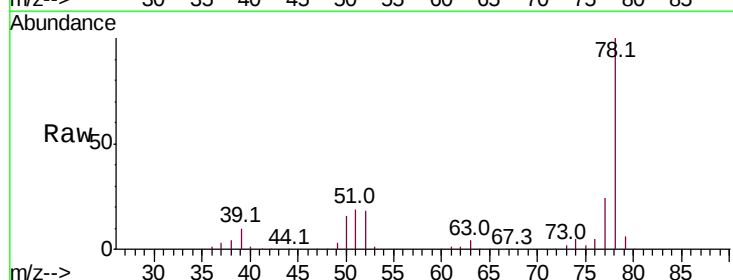
Tgt Ion: 78 Resp: 163063

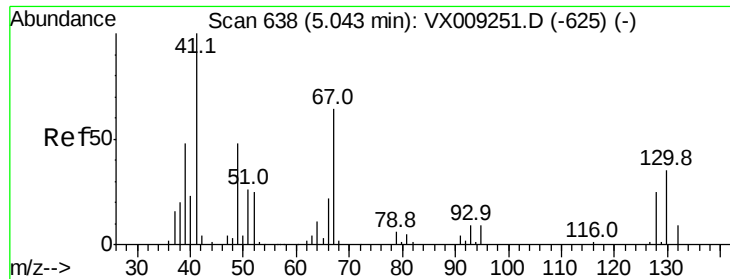
Ion Ratio Lower Upper

78 100

77 24.2 18.8 28.2

51 18.2 13.5 20.3





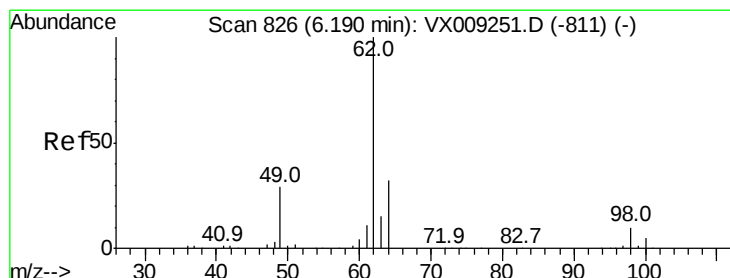
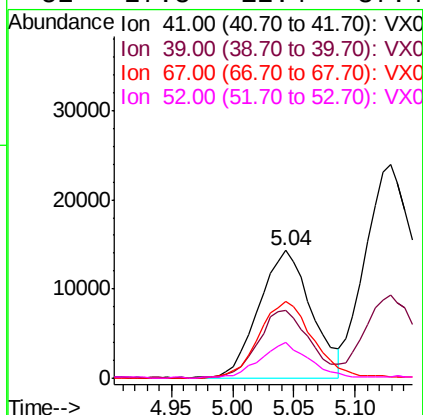
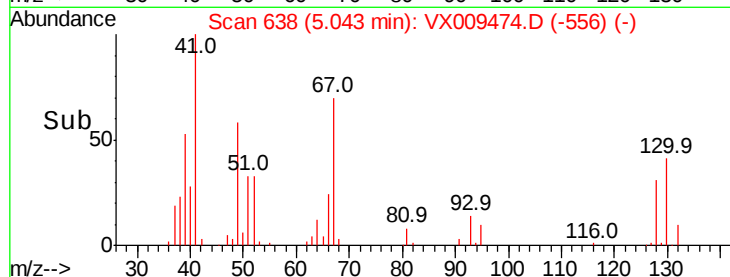
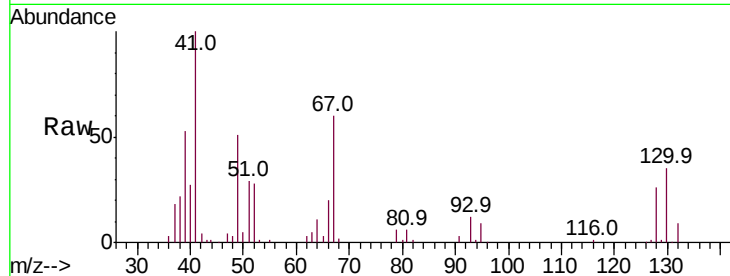
#35
Methacrylonitrile
Concen: 21.461 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.2	24.1	72.3
67	60.0	32.2	96.6
52	27.8	12.4	37.4

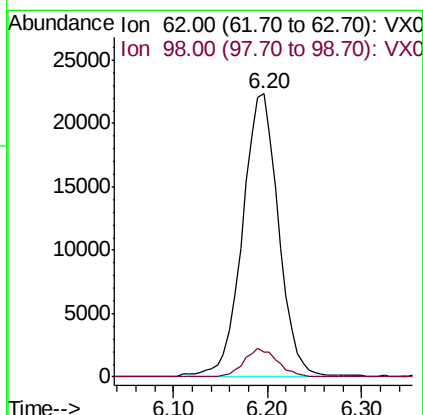
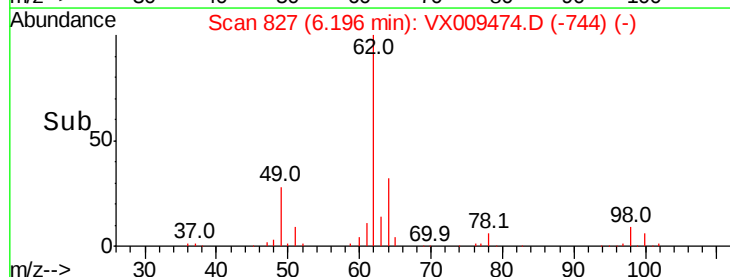
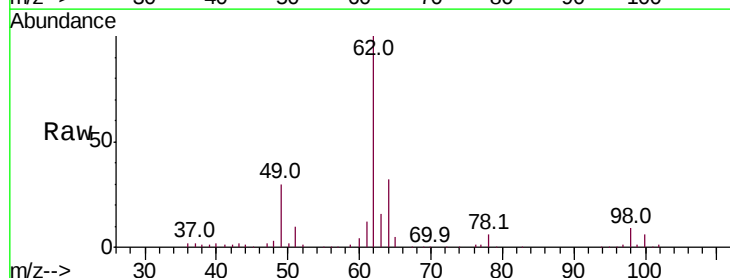
Manual Integrations
APPROVED

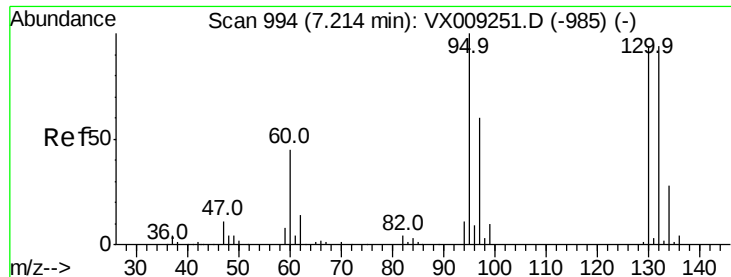
MMDadoda
5/11/2019 11:51:55 AM



#36
1,2-Dichloroethane
Concen: 21.672 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.4	11.2





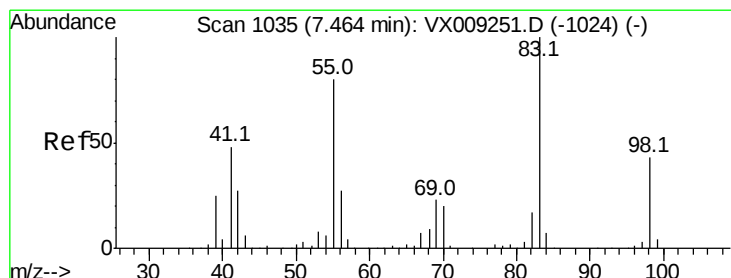
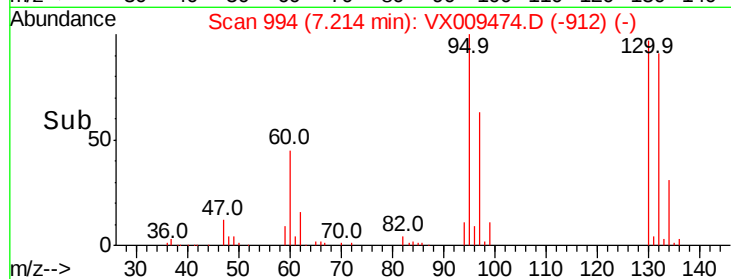
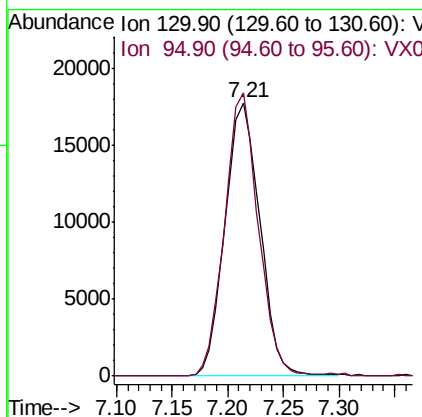
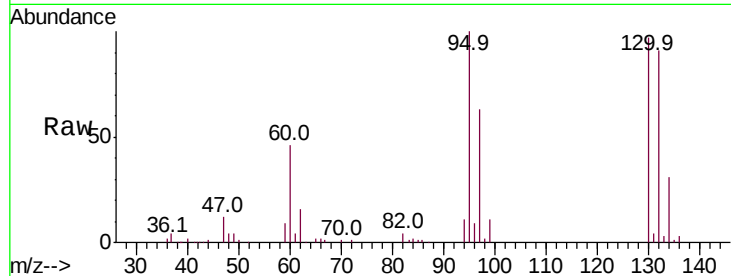
#37
 Trichloroethene
 Concen: 21.497 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Tot Ion:130 Resp: 38784
 Ion Ratio Lower Upper
 130 100
 95 103.2 85.0 127.4

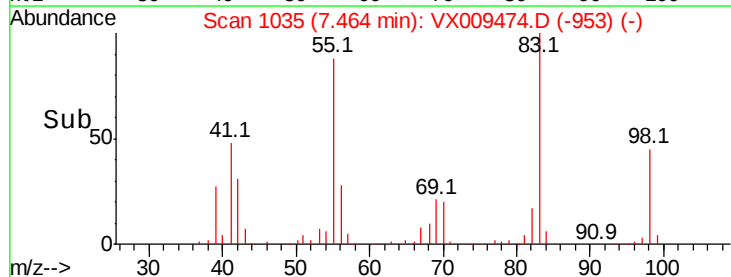
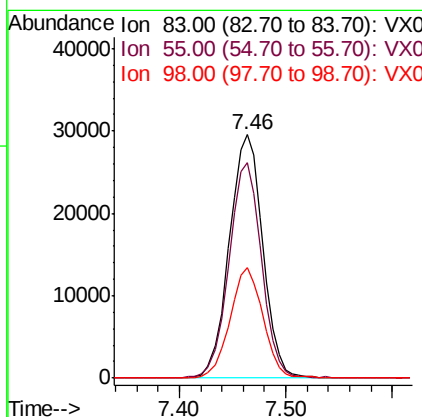
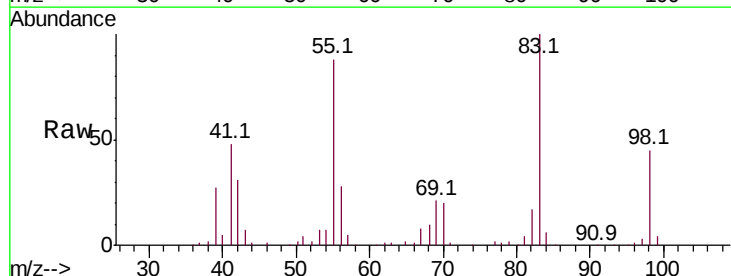
Manual Integrations
 APPROVED

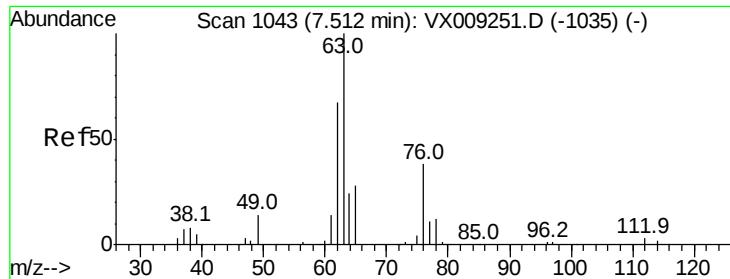
MMDadoda
 5/11/2019 11:51:55 AM



#38
 Methylcyclohexane
 Concen: 21.684 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Tgt Ion: 83 Resp: 65127
 Ion Ratio Lower Upper
 83 100
 55 86.1 43.0 129.2
 98 44.9 22.1 66.1





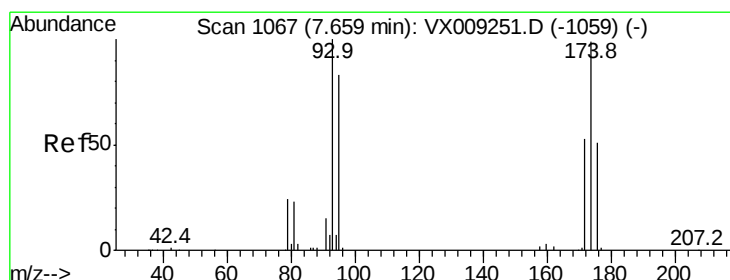
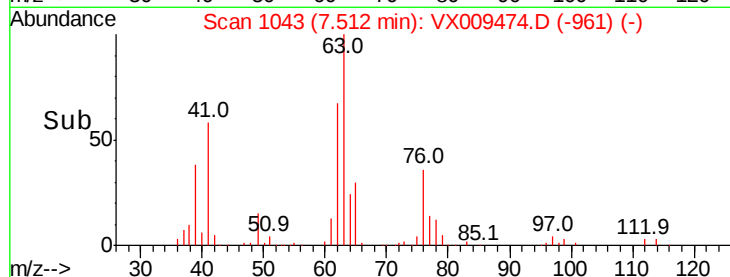
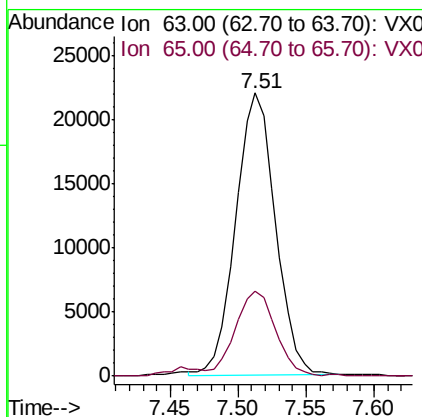
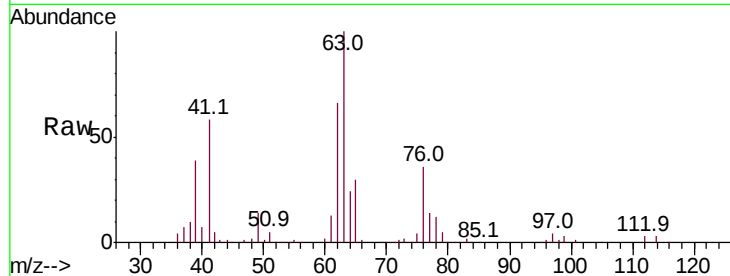
#39
 1,2-Dichloropropane
 Concen: 21.064 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Tot Ion: 63 Resp: 44957
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.0 36.0

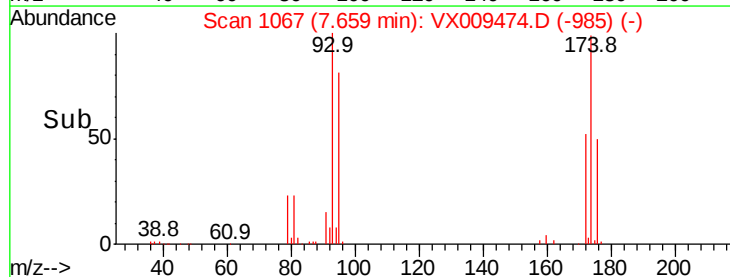
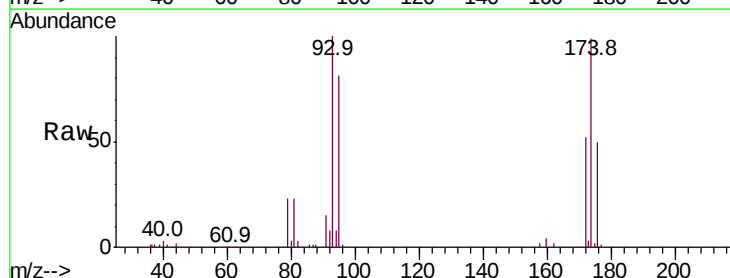
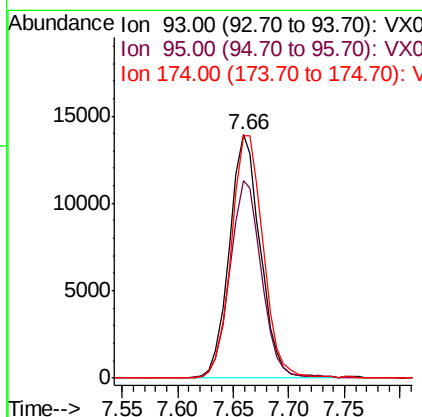
Manual Integrations
 APPROVED

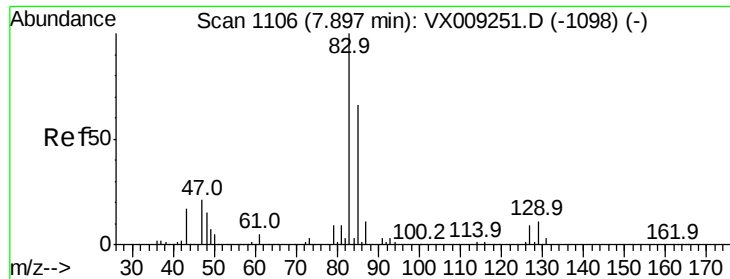
MMDadoda
 5/11/2019 11:51:55 AM



#40
 Dibromomethane
 Concen: 22.071 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Tgt Ion: 93 Resp: 26736
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 167.2
 174 103.0 0.0 203.4





#41

Bromodichloromethane

Concen: 20.972 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

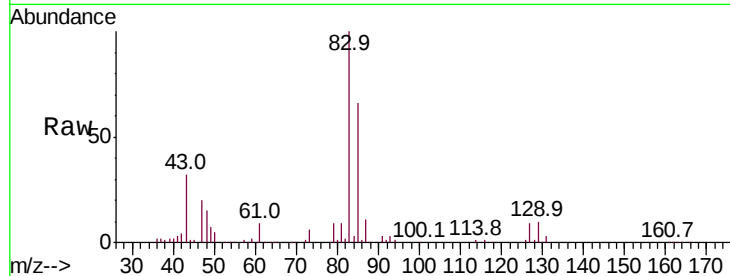
ClientSampleId :

VX0510WBS01

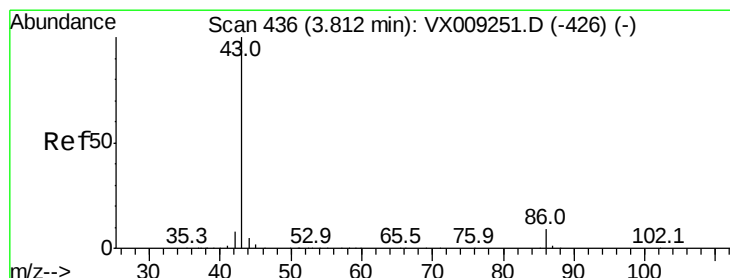
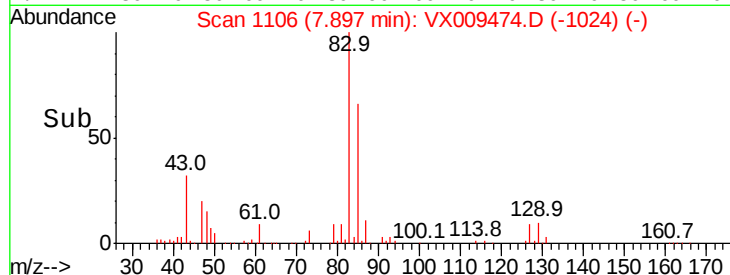
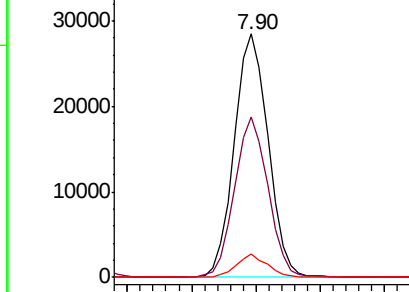
Tot Ion:	83	Resp:	51891
Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.6	79.0
127	9.4	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 109.681 ug/l

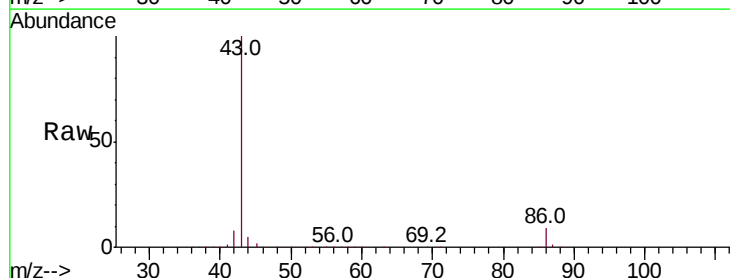
RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

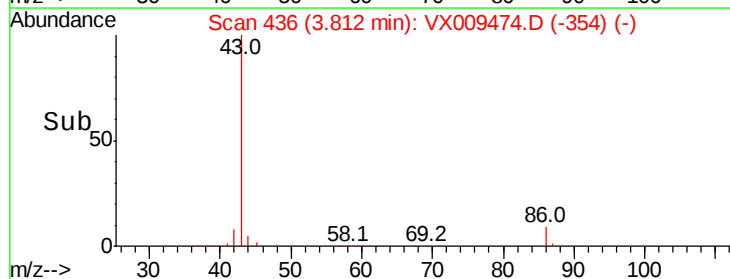
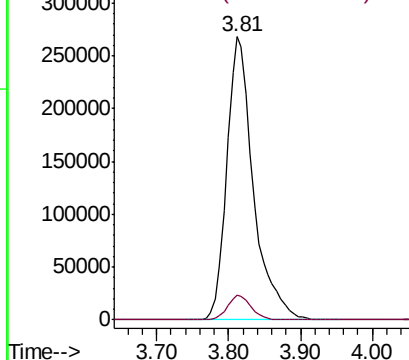
Lab File: VX009474.D

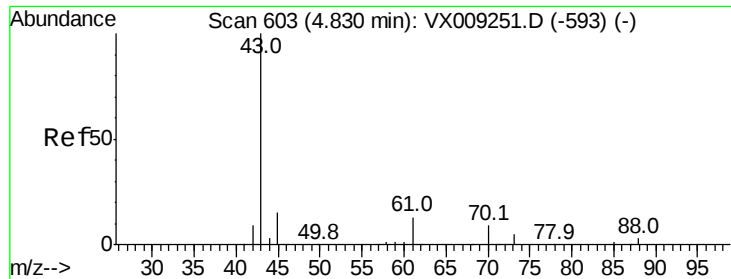
Acq: 10 May 2019 11:41

Tgt Ion:	43	Resp:	689186
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.0	9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





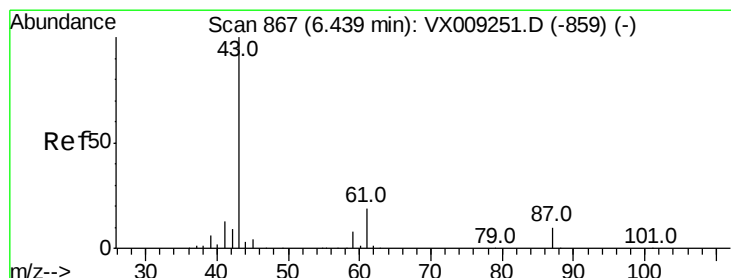
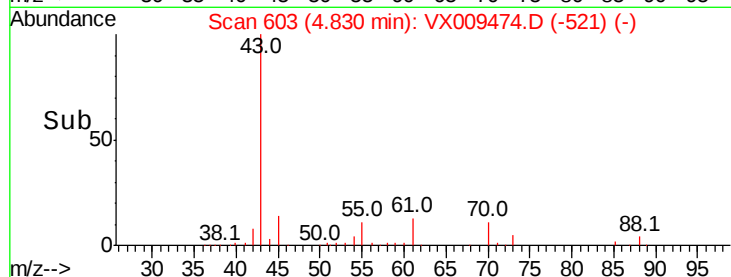
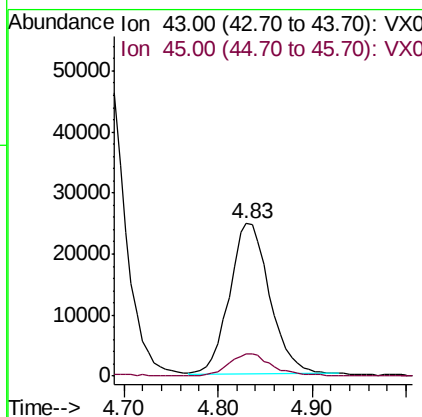
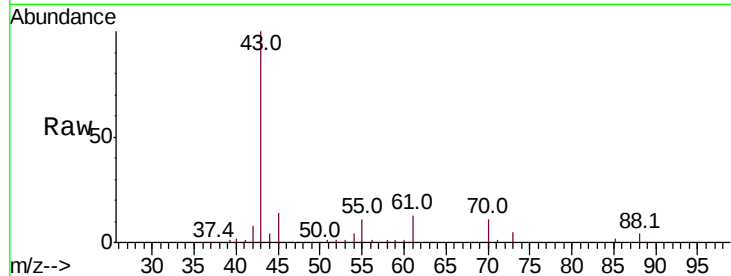
#43
Ethyl Acetate
Concen: 21.333 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Instrument :
MSVOA_X
ClientSampled :
VX0510WBS01

Tot Ion: 43 Resp: 73390
Ion Ratio Lower Upper
43 100
45 16.0 11.8 17.8

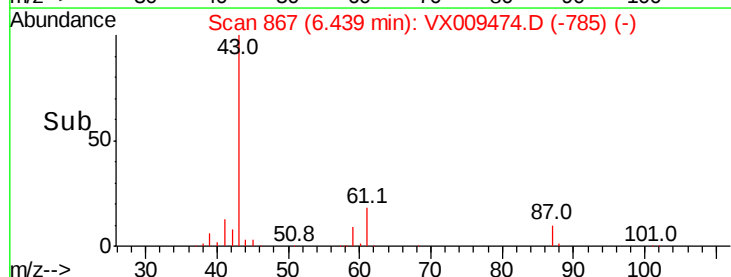
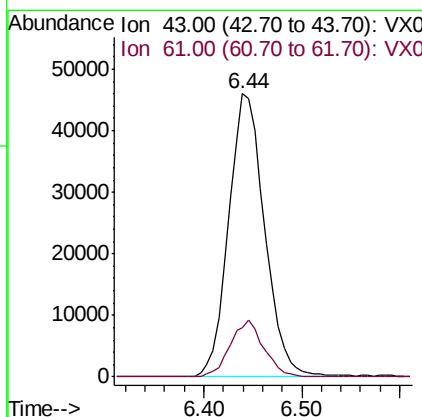
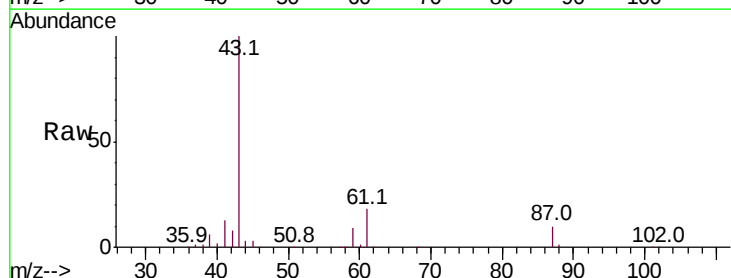
Manual Integrations
APPROVED

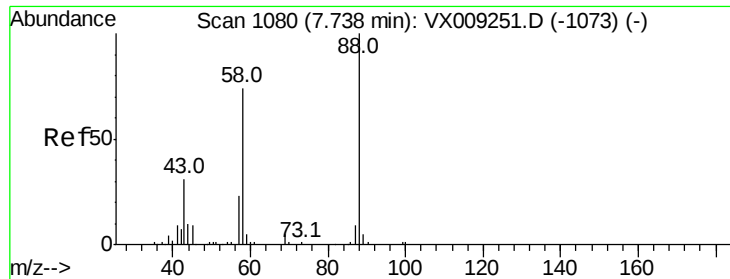
MMDadoda
5/11/2019 11:51:55 AM



#44
Isopropyl Acetate
Concen: 20.988 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Tgt Ion: 43 Resp: 116969
Ion Ratio Lower Upper
43 100
61 19.0 15.4 23.2





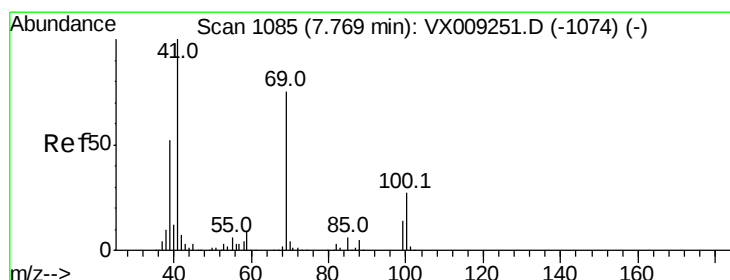
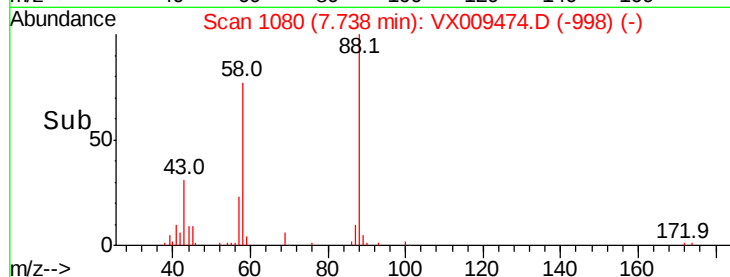
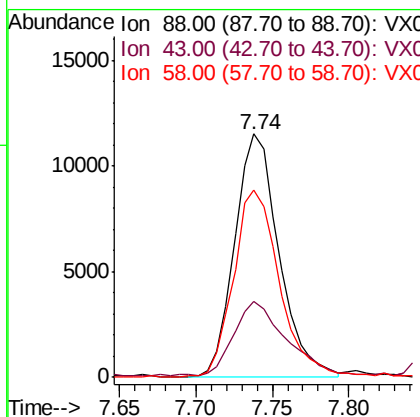
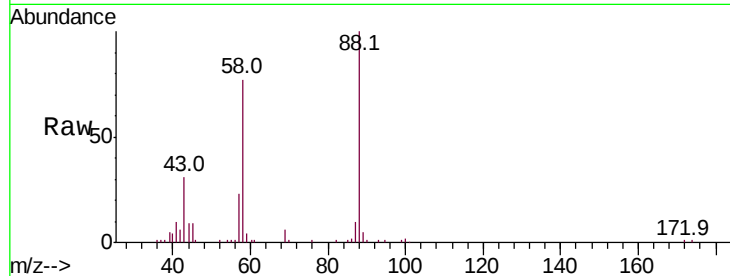
#45
1,4-Dioxane
Concen: 423.639 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	28.5	42.7
58	80.5	62.5	93.7

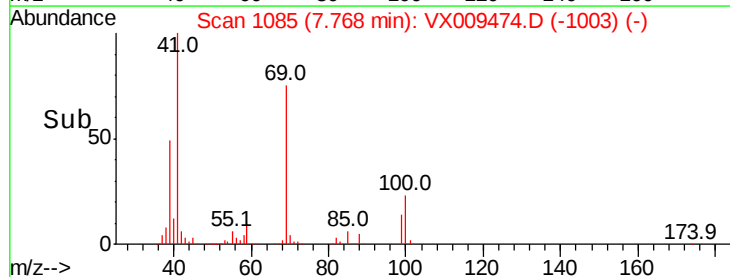
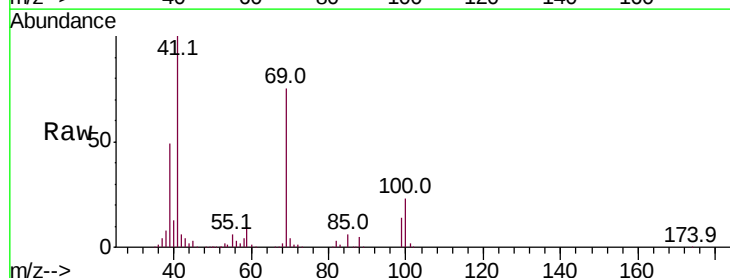
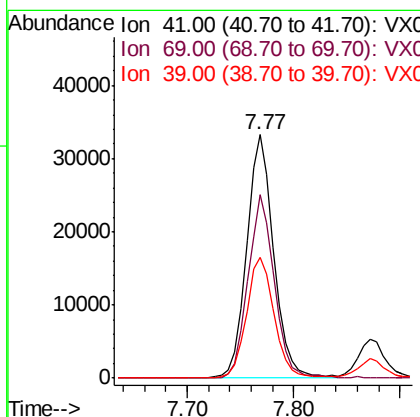
Manual Integrations
APPROVED

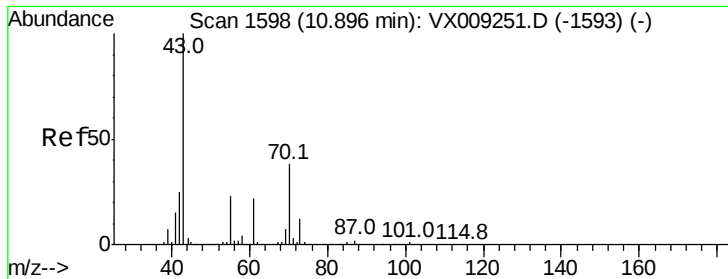
MMDadoda
5/11/2019 11:51:55 AM



#46
Methyl methacrylate
Concen: 21.195 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.3	37.6	112.8
39	49.2	25.8	77.3





#47

n-amvl Acetate

Concen: 20.089 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion: 43 Resp: 100857

Ion Ratio Lower Upper

43 100

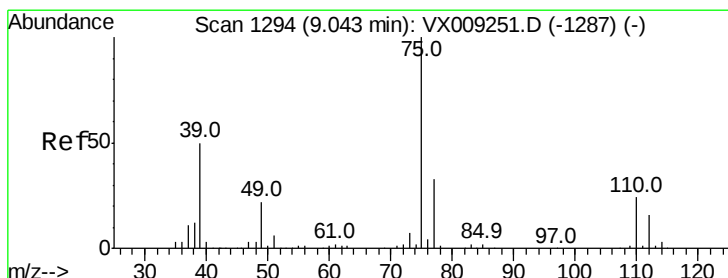
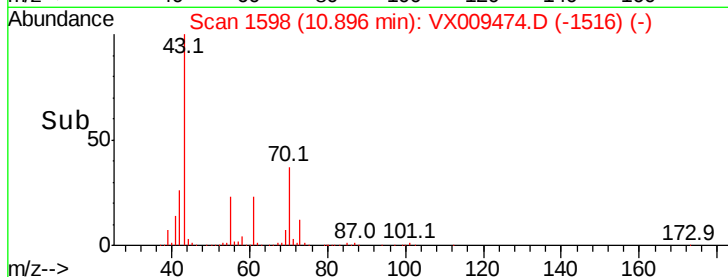
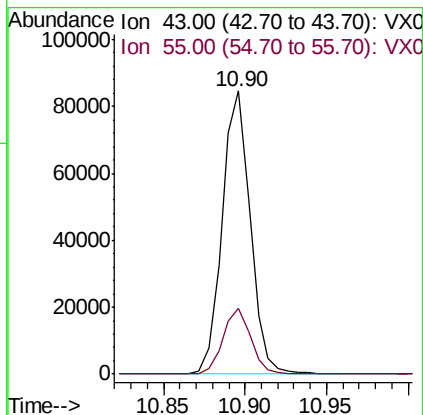
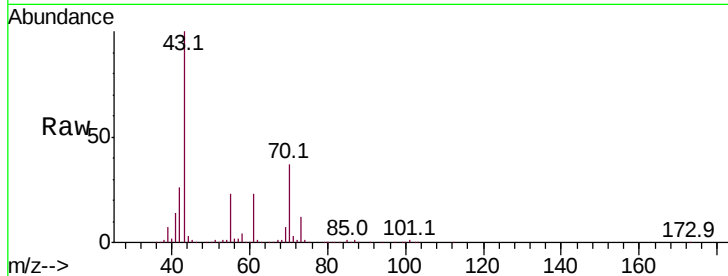
55 23.1 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:51:55 AM



#48

t-1,3-Dichloropropene

Concen: 20.273 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009474.D

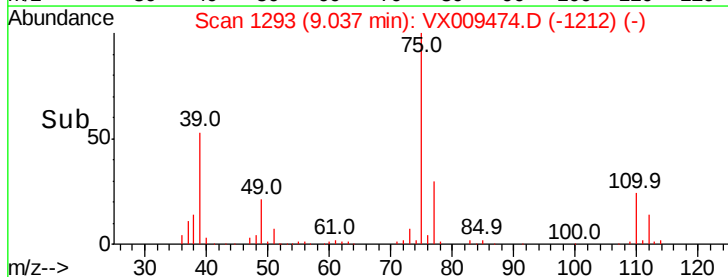
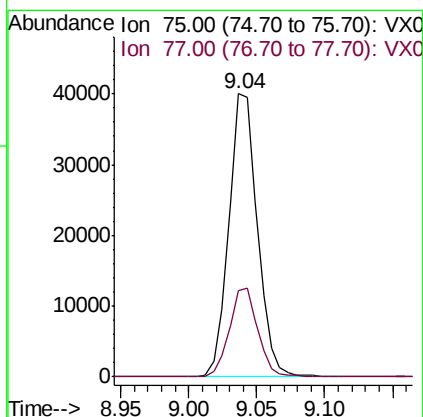
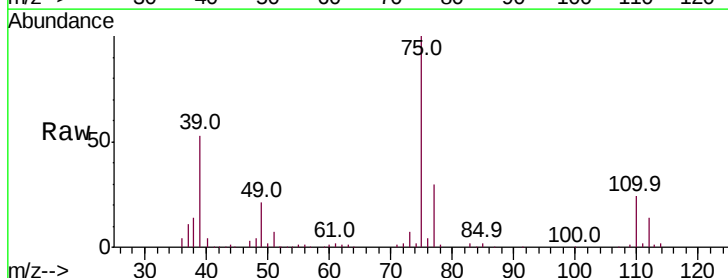
Acq: 10 May 2019 11:41

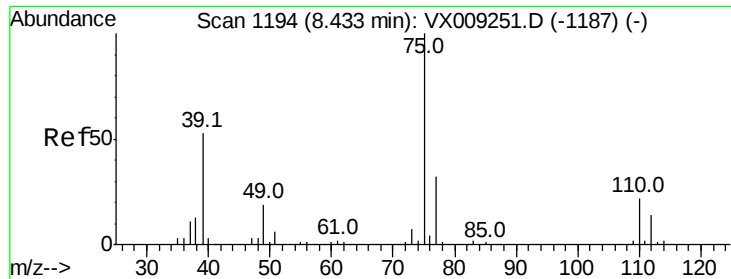
Tgt Ion: 75 Resp: 58529

Ion Ratio Lower Upper

75 100

77 30.5 26.5 39.7





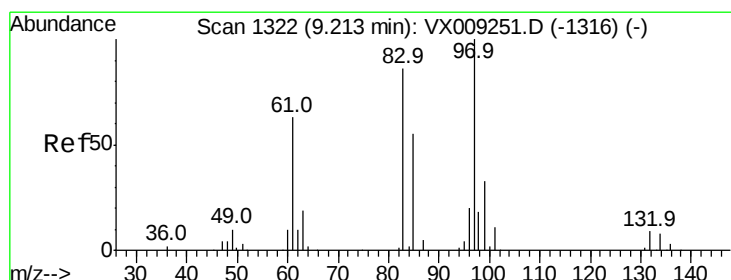
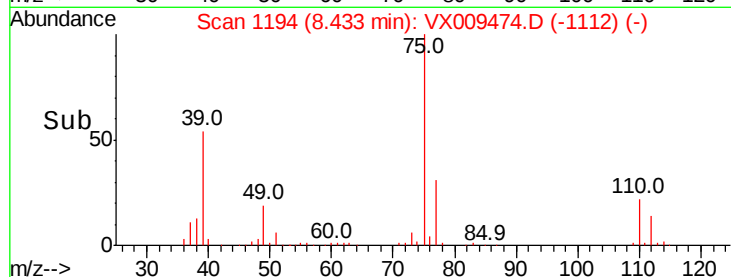
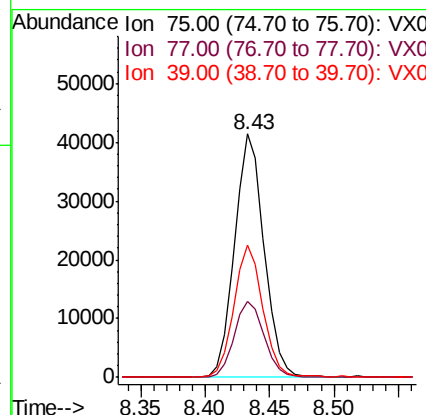
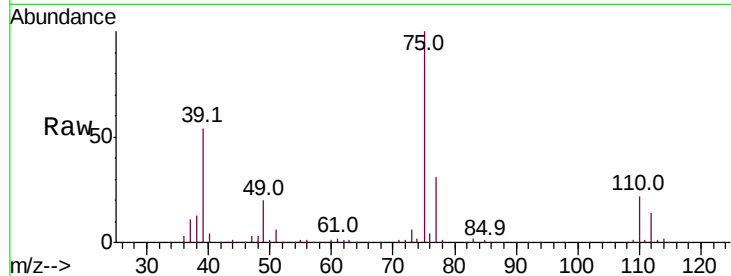
#49
 cis-1,3-Dichloropropene
 Concen: 20.925 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0510WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0
39	53.9	42.6	63.8

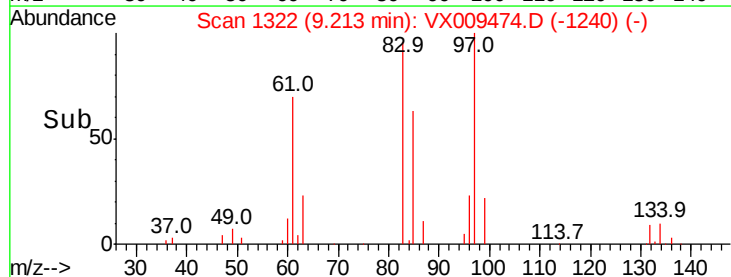
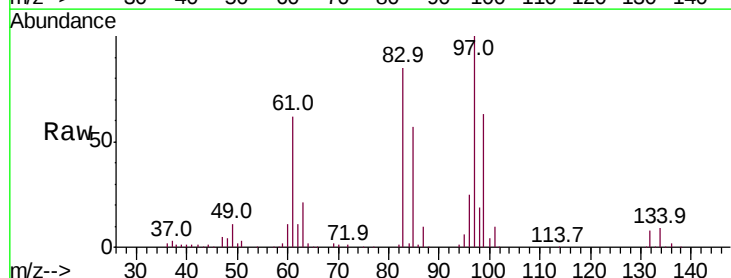
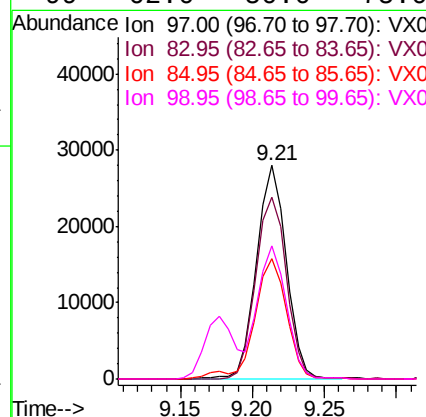
Manual Integrations
 APPROVED

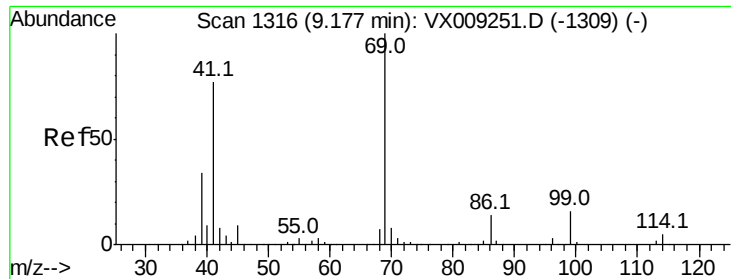
MMDadoda
 5/11/2019 11:51:55 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.659 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.8	103.2
85	56.1	45.8	68.6
99	62.0	50.0	75.0





#51

Ethyl methacrylate

Concen: 20.565 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

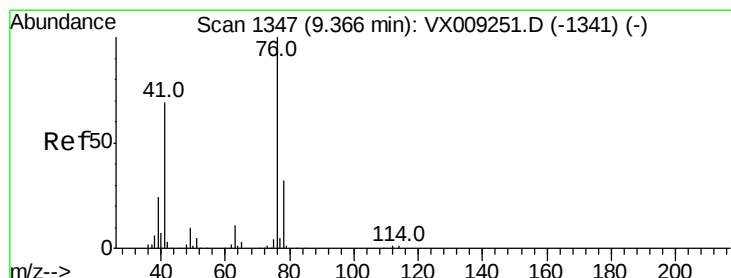
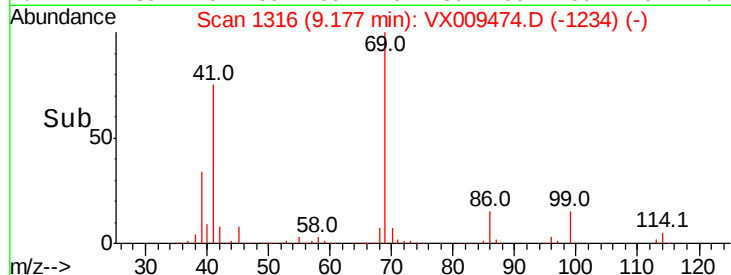
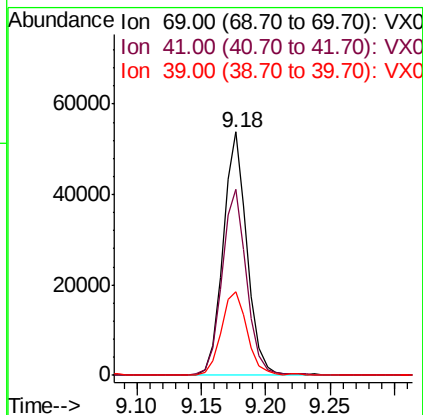
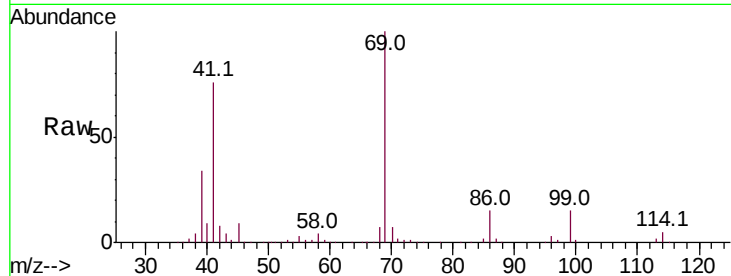
ClientSampleId :

VX0510WBS01

Tot Ion:	69	Resp:	70529
Ion	Ratio	Lower	Upper
69	100		
41	76.0	38.4	115.2
39	34.1	17.2	51.5

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM



#52

1,3-Dichloropropane

Concen: 21.444 ug/l

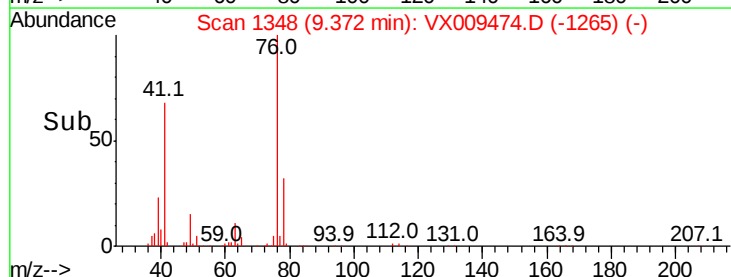
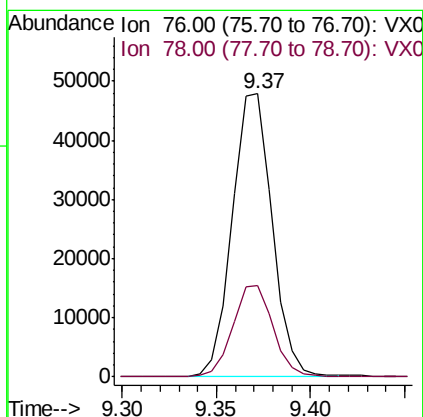
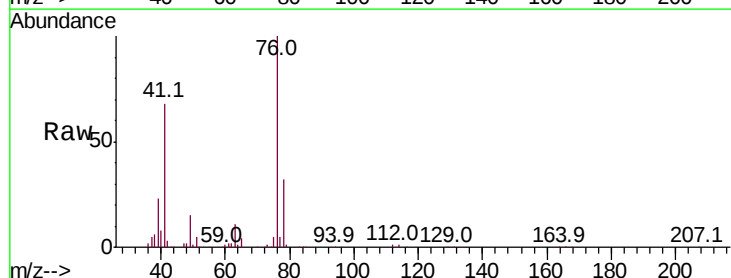
RT: 9.37 min Scan# 1348

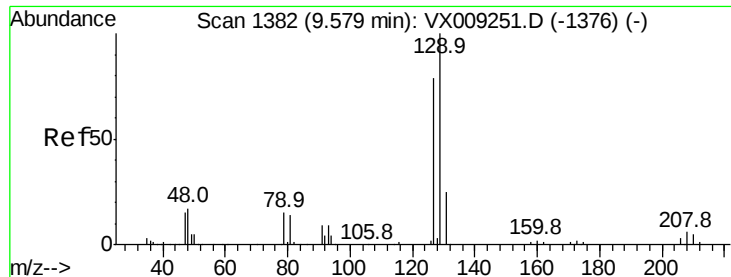
Delta R.T. 0.01 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Tgt Ion:	76	Resp:	70633
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	64.2





#53

Dibromochloromethane

Concen: 21.136 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion:129 Resp: 39065

Ion Ratio Lower Upper

129 100

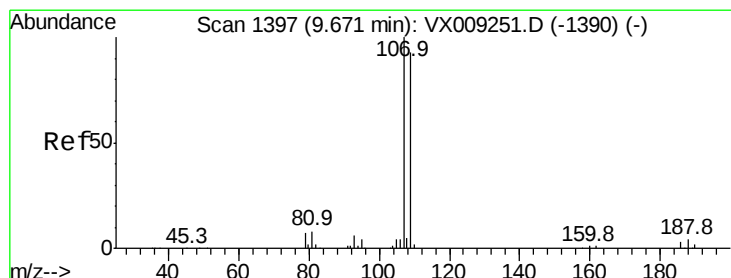
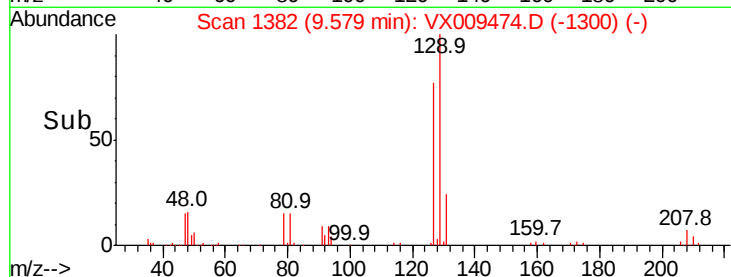
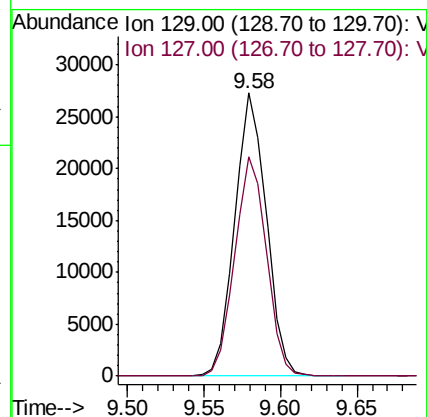
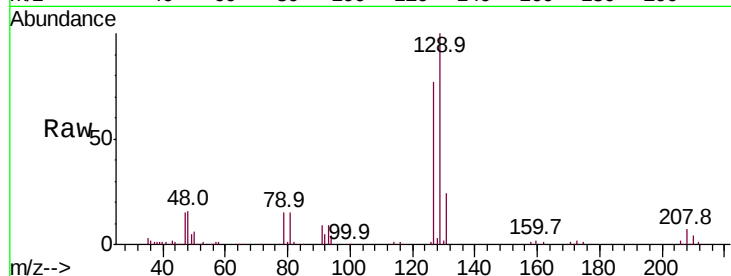
127 77.9 39.1 117.5

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:51:55 AM



#54

1,2-Dibromoethane

Concen: 21.556 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009474.D

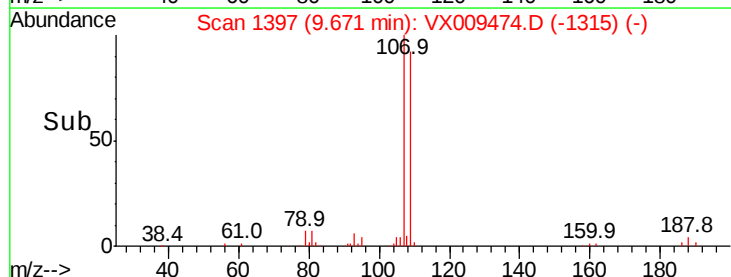
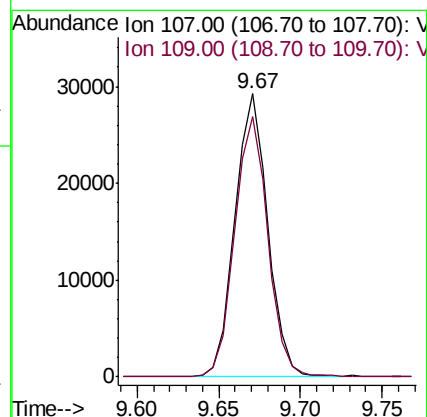
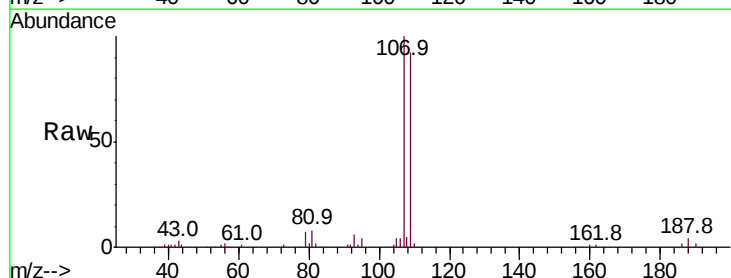
Acq: 10 May 2019 11:41

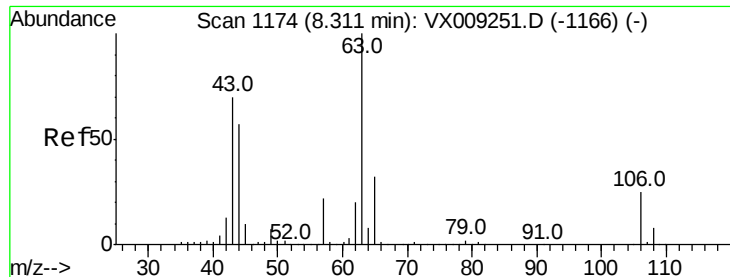
Tgt Ion:107 Resp: 41029

Ion Ratio Lower Upper

107 100

109 92.6 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 90.004 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampled :

VX0510WBS01

Tot Ion: 63 Resp: 164486

Ion Ratio Lower Upper

63 100

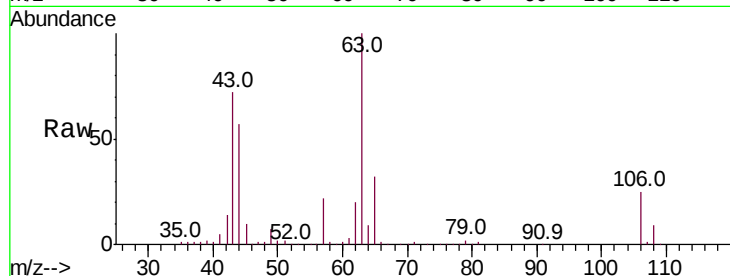
65 32.0 25.8 38.6

106 24.5 19.8 29.6

Manual Integrations
APPROVED

MMDadoda

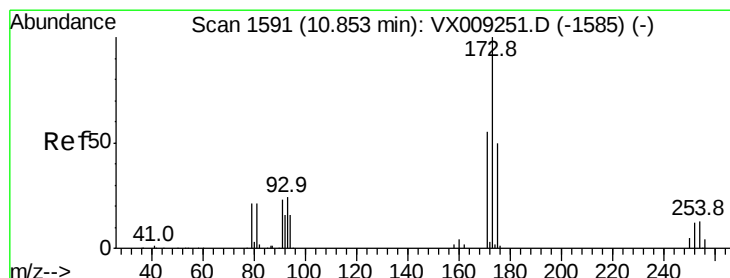
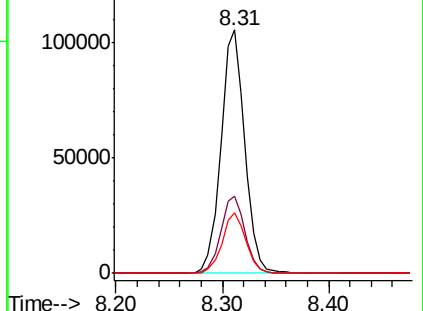
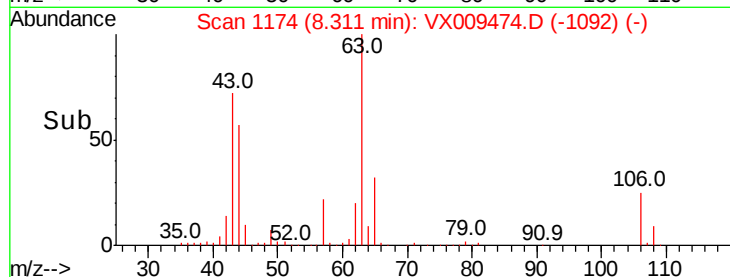
5/11/2019 11:51:55 AM



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V



#56

Bromoform

Concen: 20.400 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

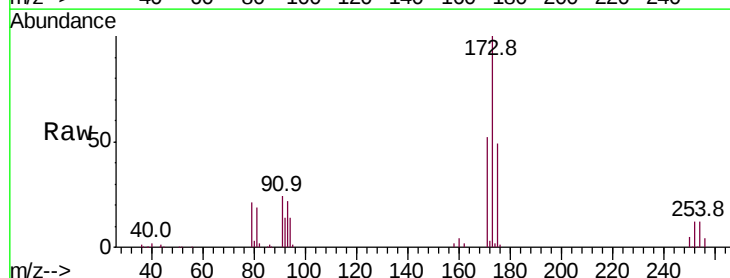
Tgt Ion:173 Resp: 28944

Ion Ratio Lower Upper

173 100

175 49.8 39.4 59.2

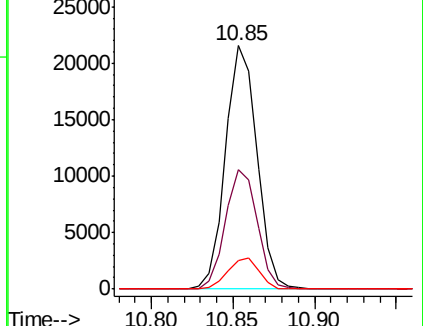
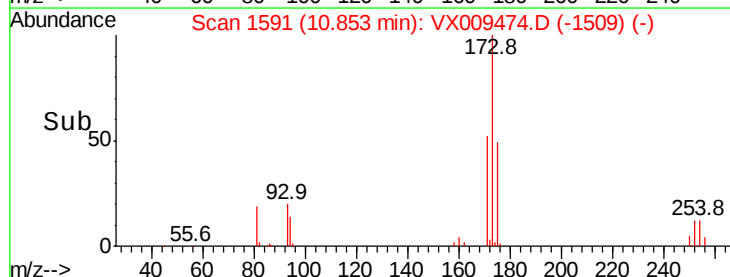
254 12.6 9.9 14.9

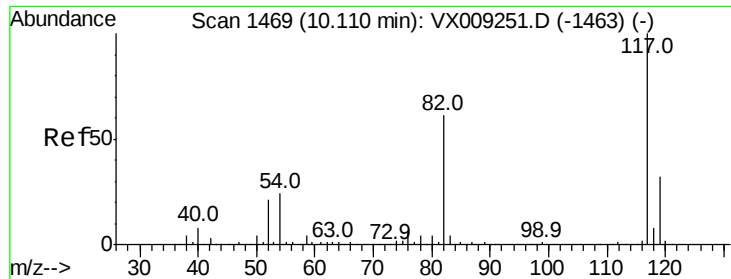


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





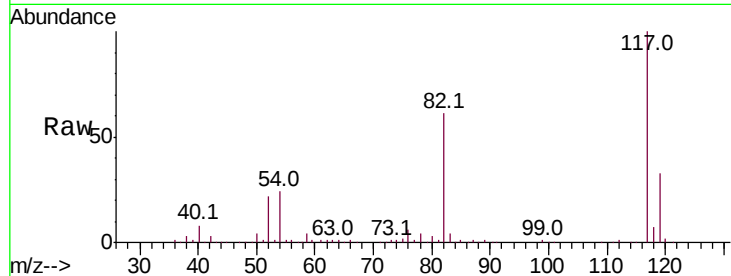
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.8	71.8
119	32.3	25.6	38.4

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM

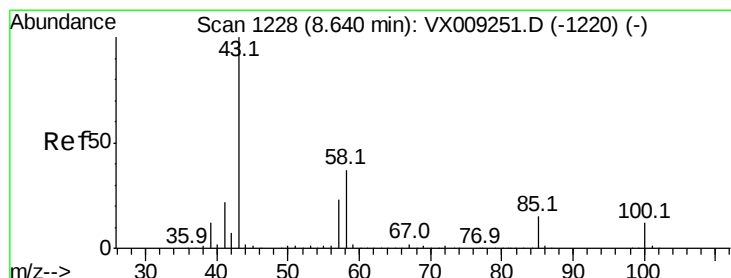
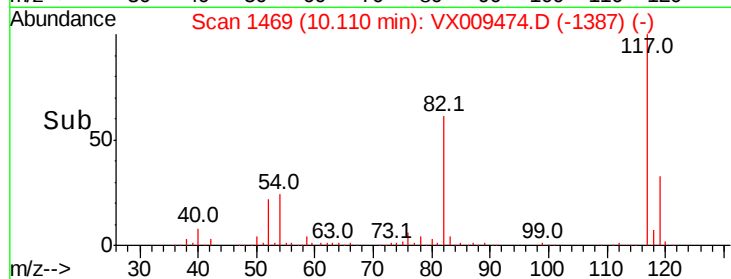
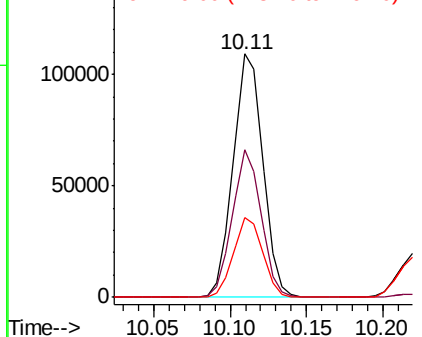


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 106.843 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

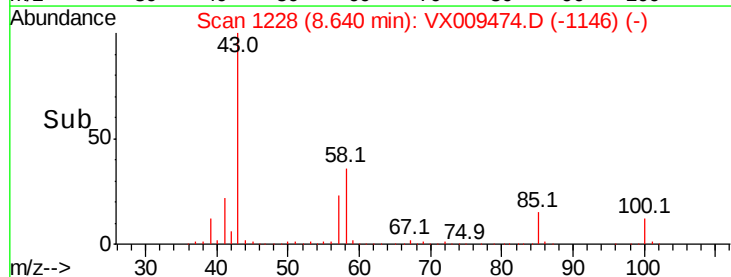
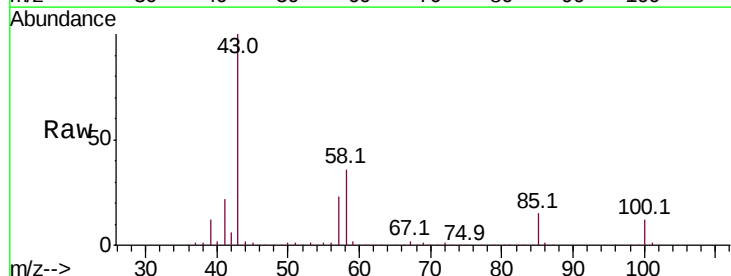
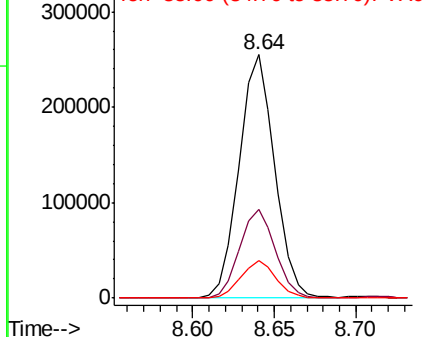
Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.4	44.0
85	15.3	11.8	17.8

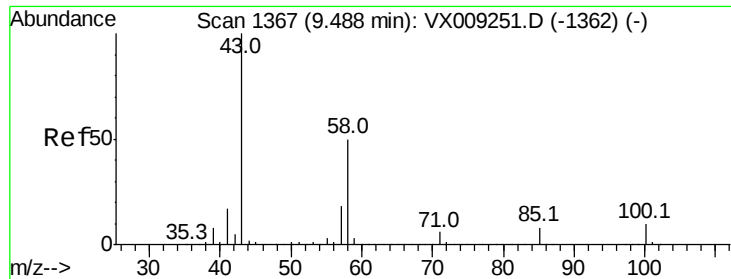
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





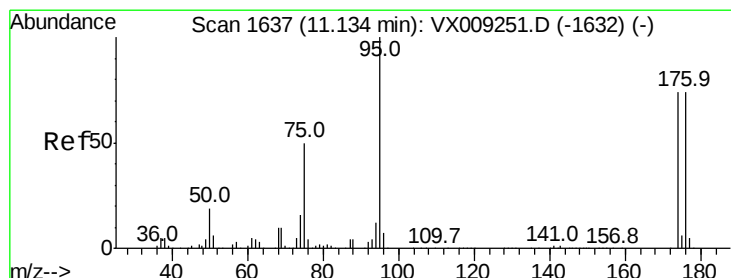
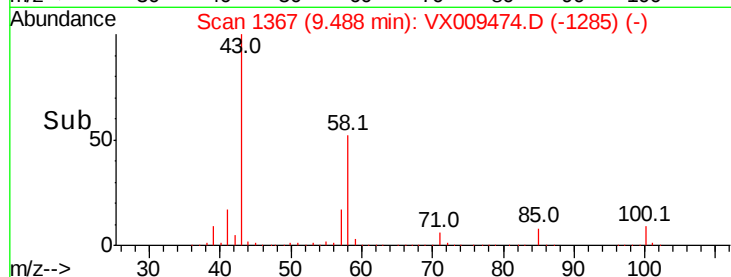
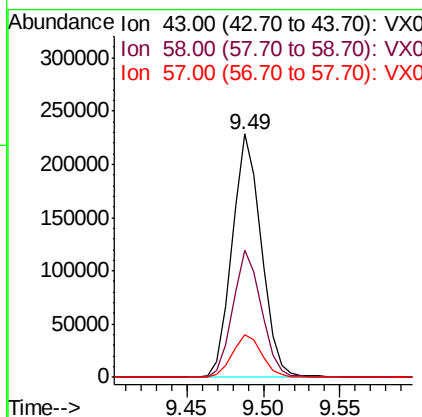
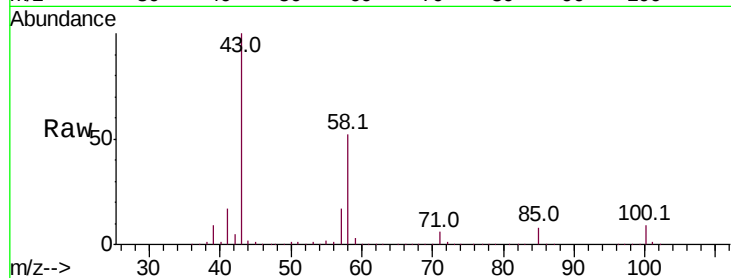
#59
2-Hexanone
Concen: 106.224 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.2	40.8	61.2
57	17.7	14.1	21.1

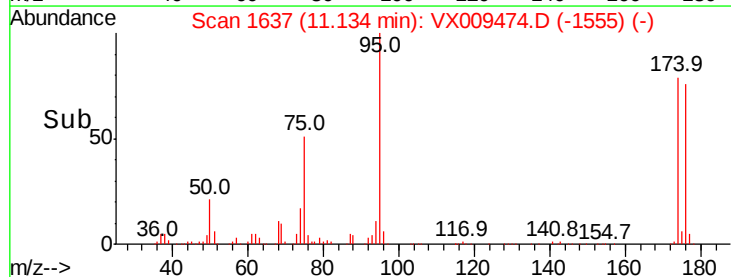
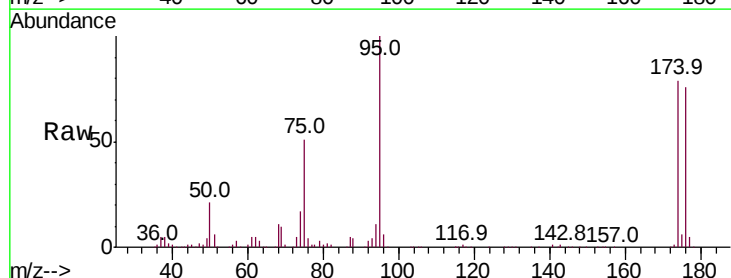
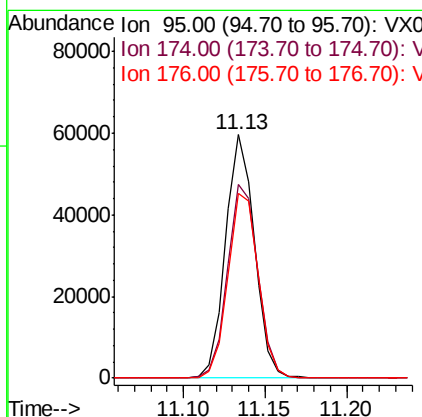
Manual Integrations
APPROVED

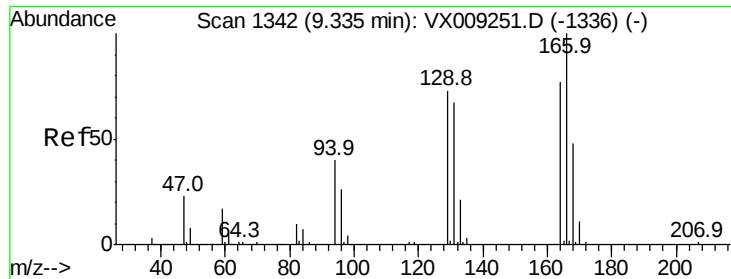
MMDadoda
5/11/2019 11:51:55 AM



#60
4-Bromofluorobenzene
Concen: 29.420 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.0	63.6	95.4
176	79.5	62.4	93.6





#61

Tetrachloroethene

Concen: 21.364 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion:164 Resp: 34692

Ion Ratio Lower Upper

164 100

166 129.7 104.1 156.1

129 93.4 76.0 114.0

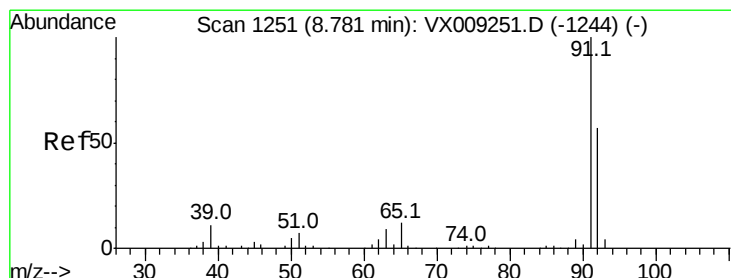
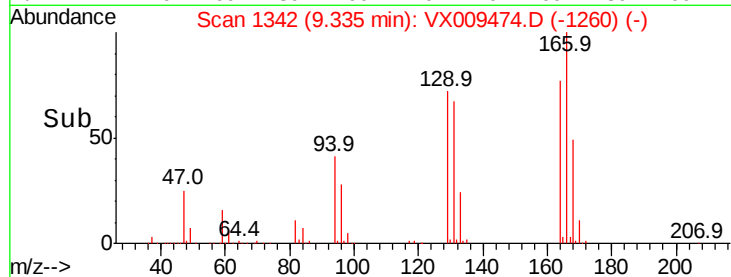
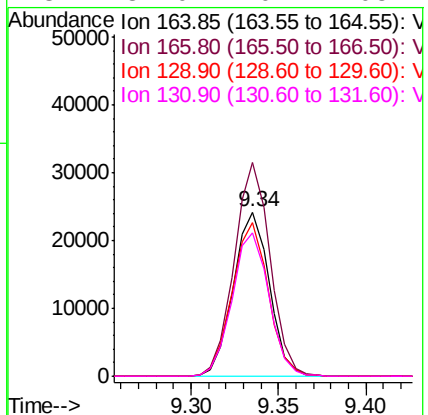
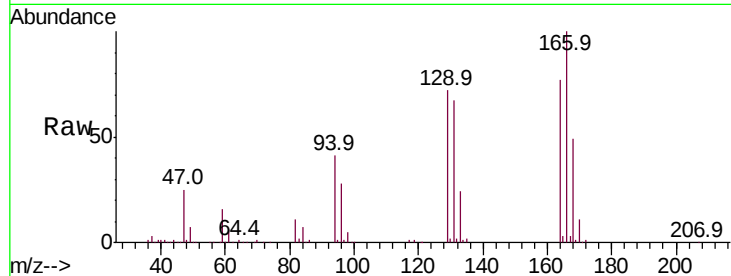
131 87.0 70.1 105.1

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:51:55 AM



#62

Toluene

Concen: 21.848 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009474.D

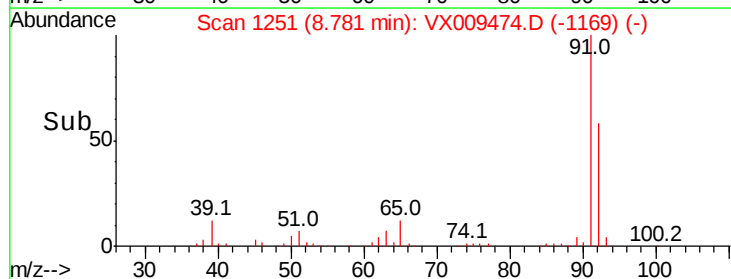
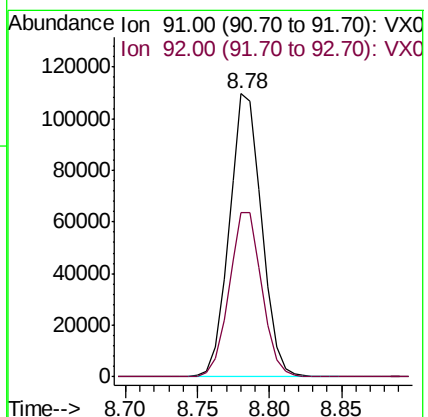
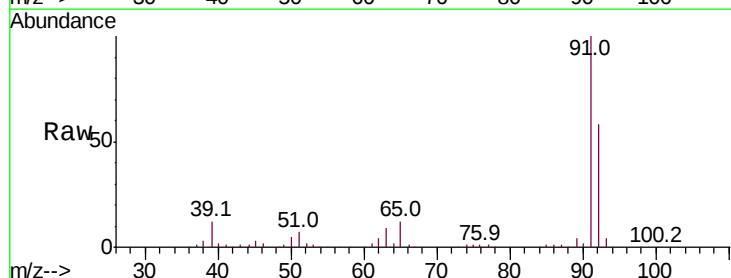
Acq: 10 May 2019 11:41

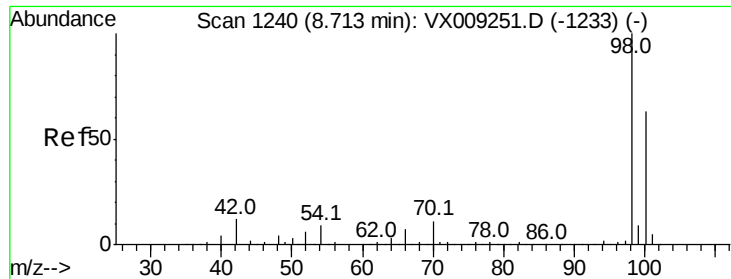
Tgt Ion: 91 Resp: 171975

Ion Ratio Lower Upper

91 100

92 58.9 46.1 69.1





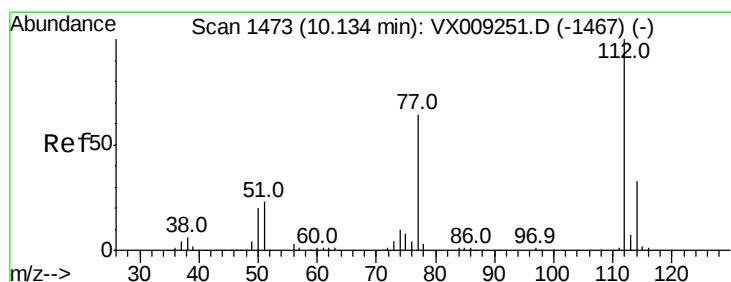
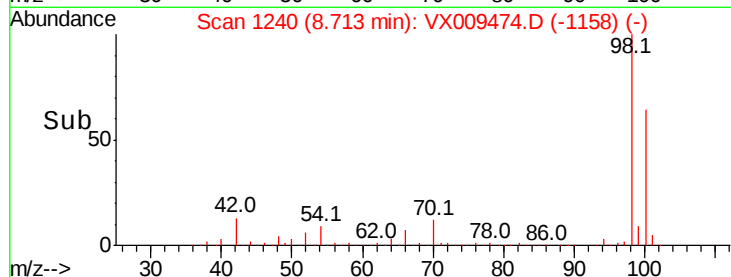
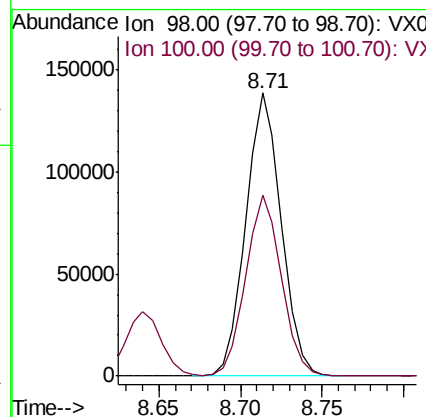
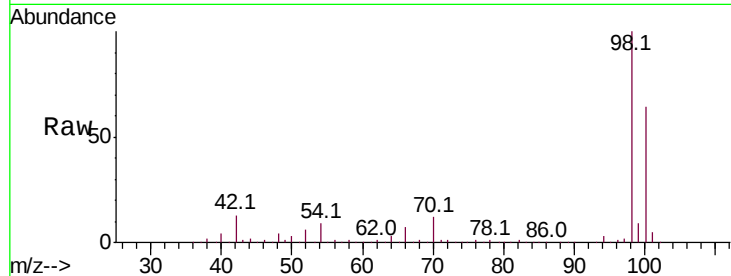
#63
Toluene-d8
Concen: 30.001 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS01

Tot Ion: 98 Resp: 209523
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5

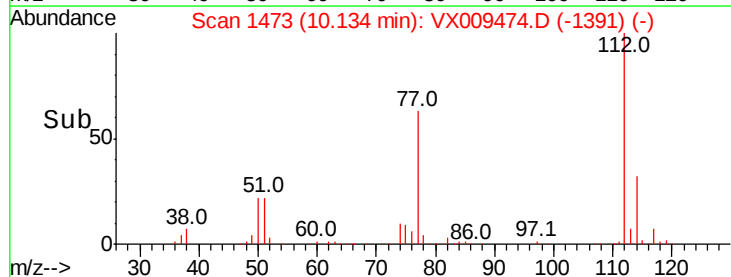
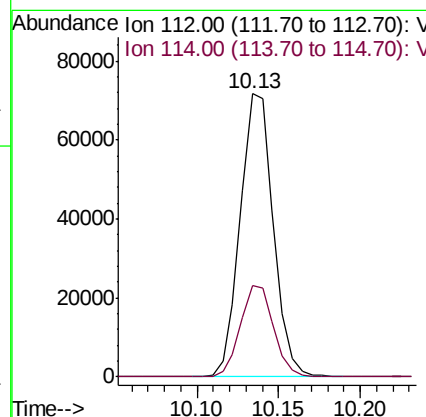
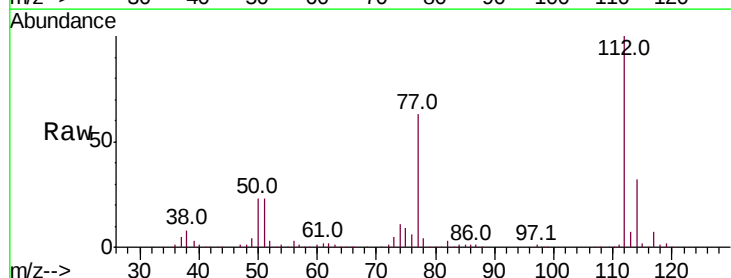
Manual Integrations
APPROVED

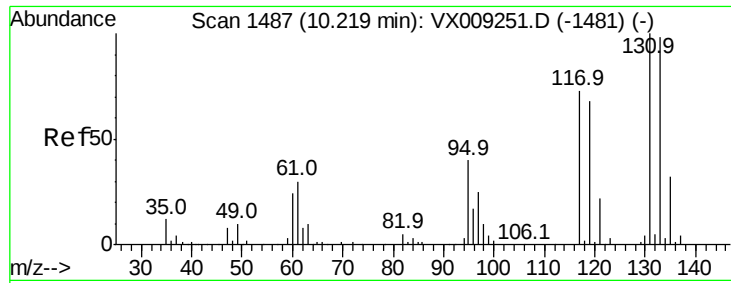
MMDadoda
5/11/2019 11:51:55 AM



#64
Chlorobenzene
Concen: 21.439 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Tgt Ion: 112 Resp: 101564
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 21.619 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion:131 Resp: 37499

Ion Ratio Lower Upper

131 100

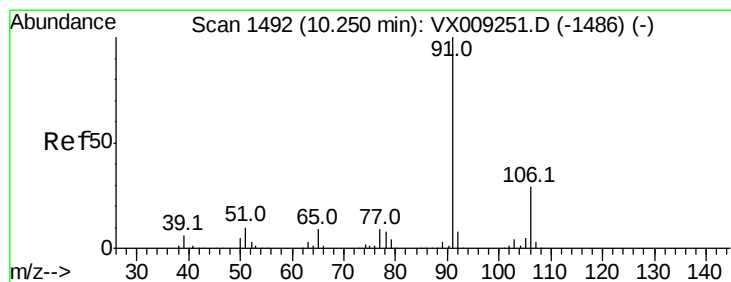
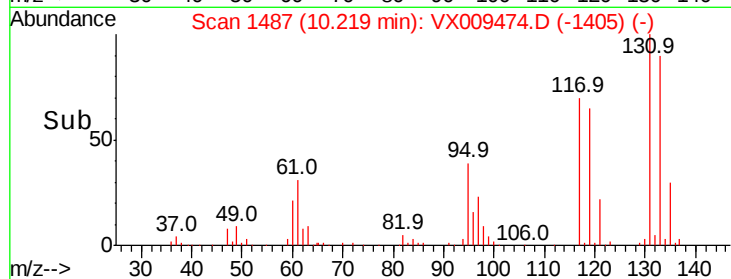
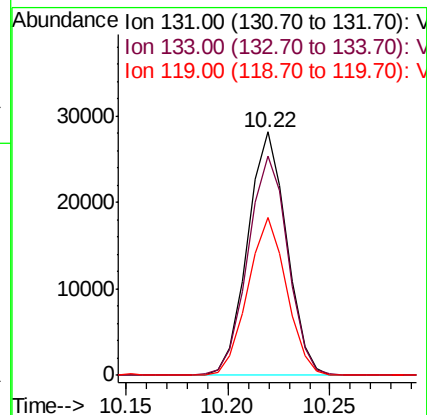
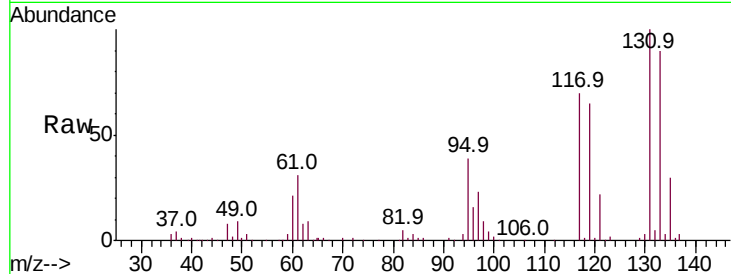
133 92.1 0.0 191.2

119 64.5 0.0 135.4

Manual Integrations
APPROVED

MMDadoda

5/11/2019 11:51:55 AM



#66

Ethyl Benzene

Concen: 21.531 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009474.D

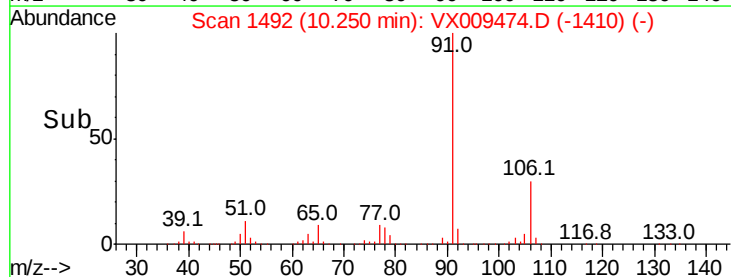
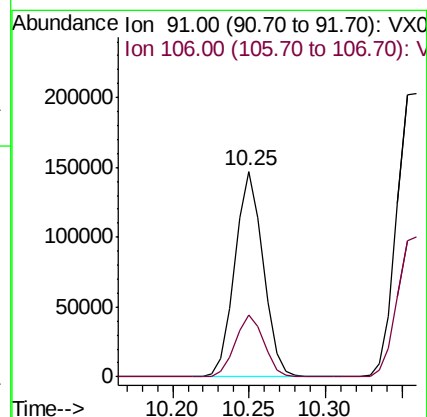
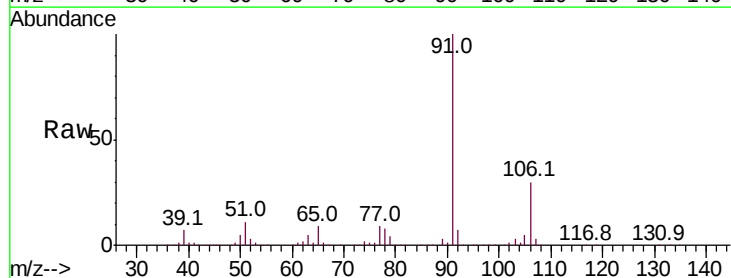
Acq: 10 May 2019 11:41

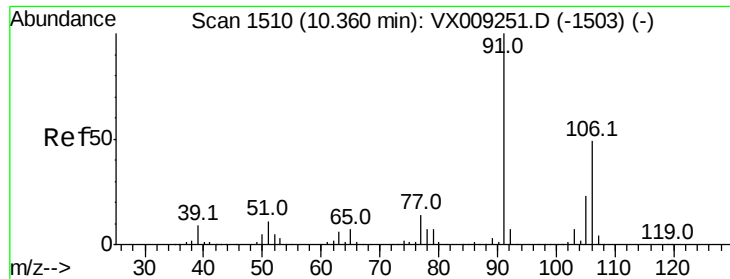
Tgt Ion: 91 Resp: 188798

Ion Ratio Lower Upper

91 100

106 30.1 23.5 35.3





#67

m/p-Xvlenes

Concen: 43.650 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion:106 Resp: 139748

Ion Ratio Lower Upper

106 100

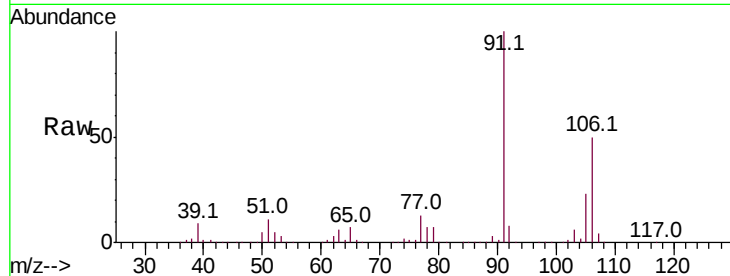
91 205.4 166.8 250.2

Manual Integrations

APPROVED

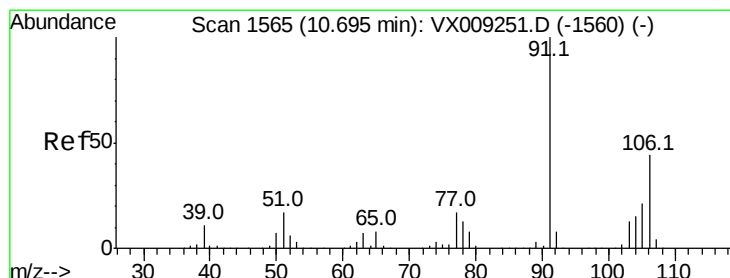
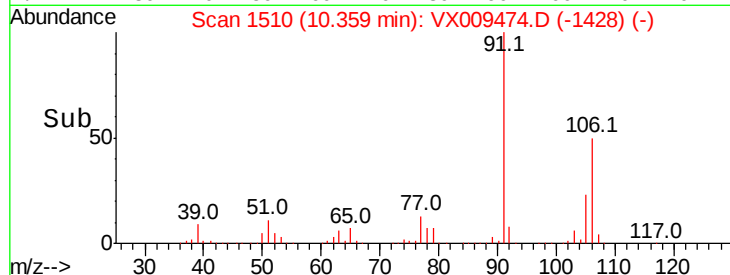
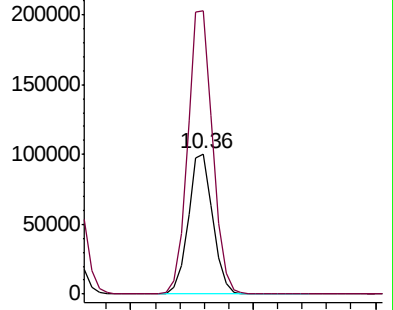
MMDadoda

5/11/2019 11:51:55 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 21.712 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX009474.D

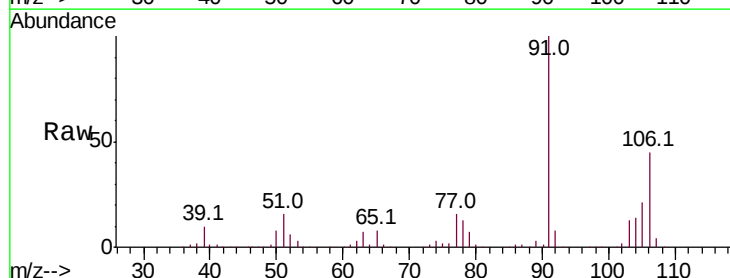
Acq: 10 May 2019 11:41

Tgt Ion:106 Resp: 68352

Ion Ratio Lower Upper

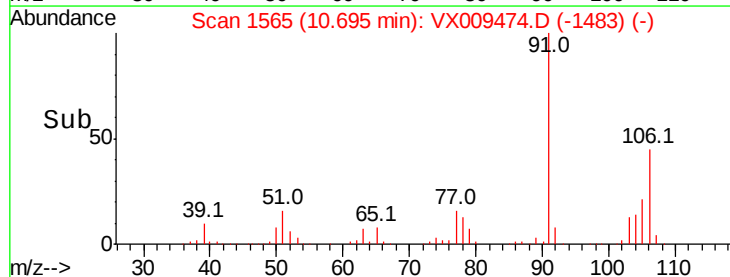
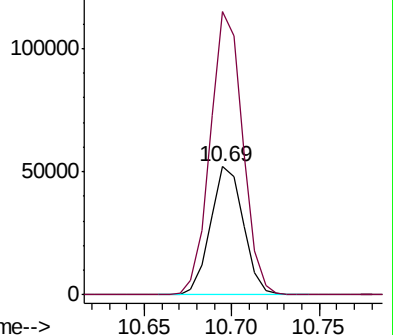
106 100

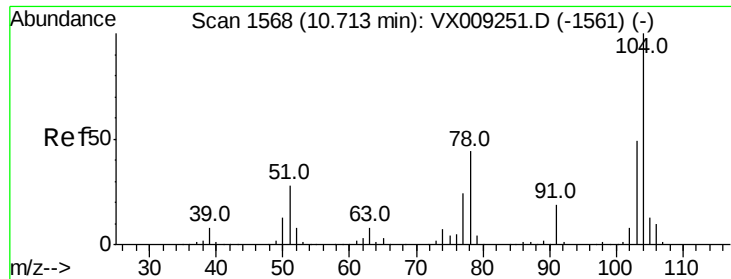
91 217.7 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





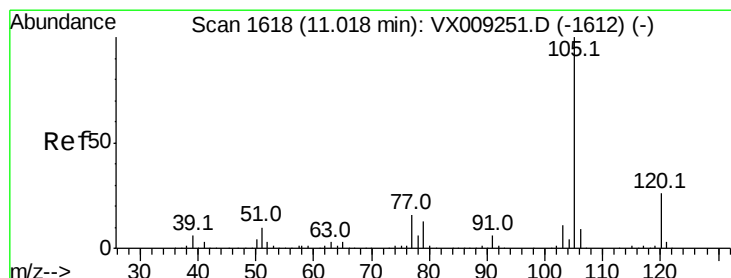
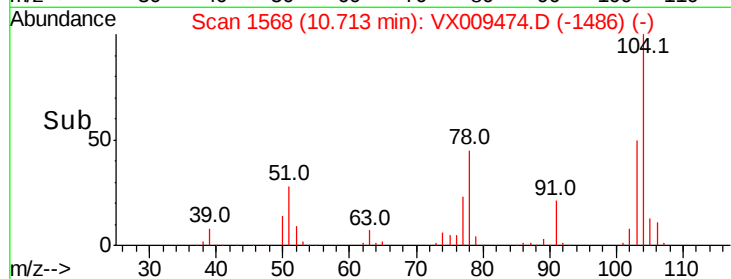
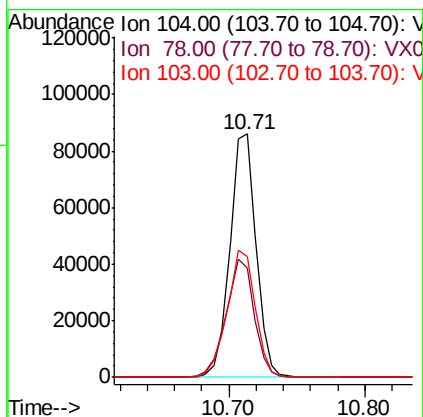
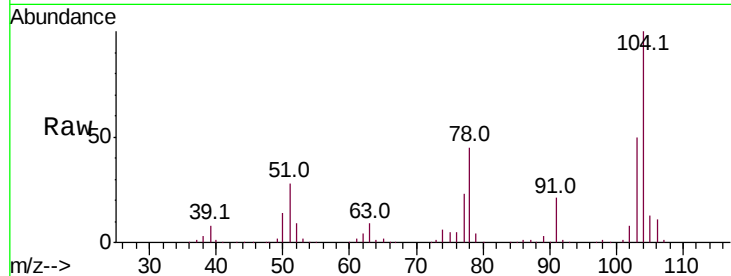
#69
Stvrene
Concen: 20.896 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.3	41.1	61.7
103	56.1	43.8	65.8

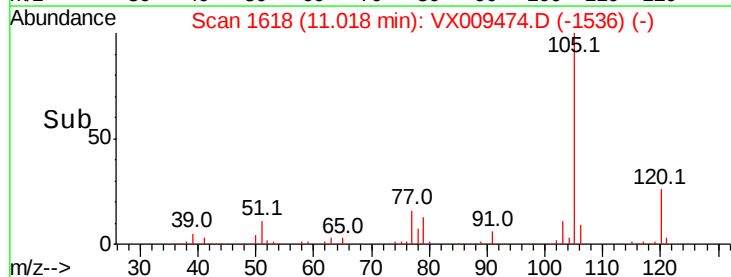
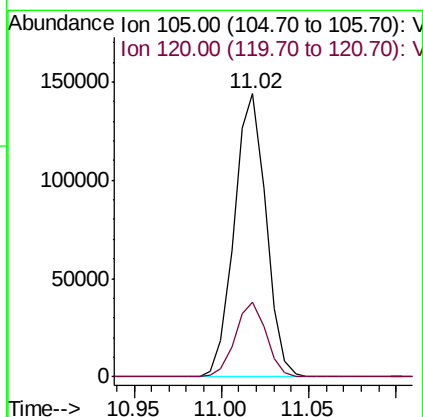
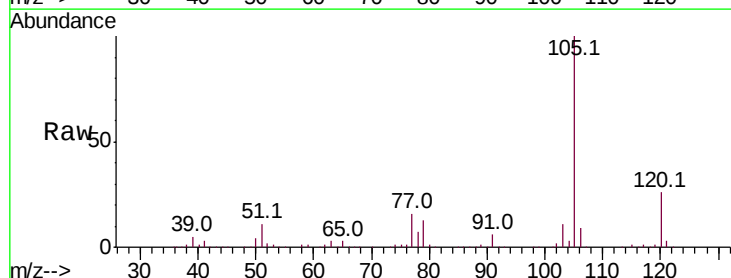
Manual Integrations
APPROVED

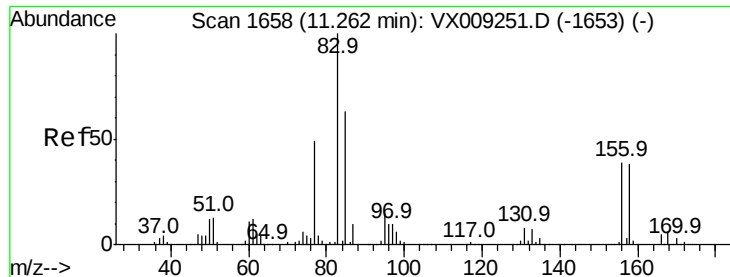
MMDadoda
5/11/2019 11:51:55 AM



#70
Isopropylbenzene
Concen: 21.474 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 21.377 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion: 83 Resp: 66281

Ion Ratio Lower Upper

83 100

131 9.8 4.7 14.0

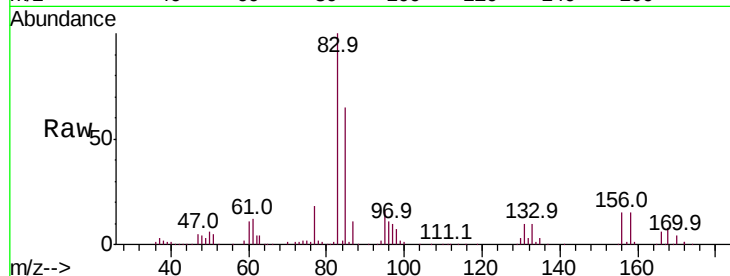
85 64.1 32.4 97.2

Manual Integrations

APPROVED

MMDadoda

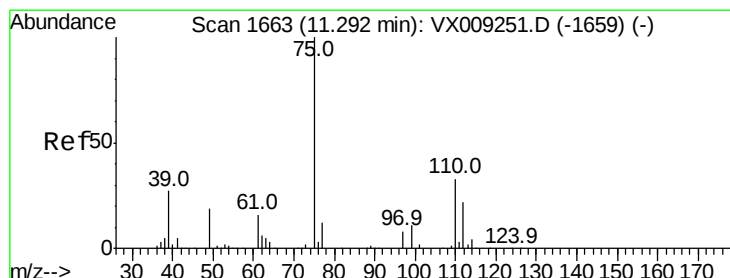
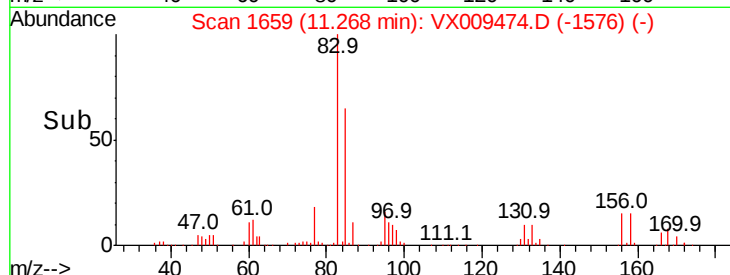
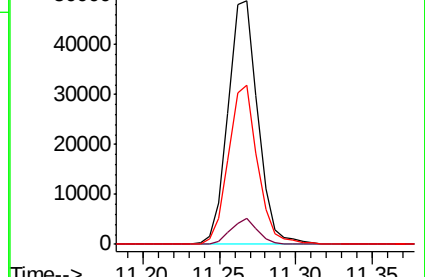
5/11/2019 11:51:55 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 21.968 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009474.D

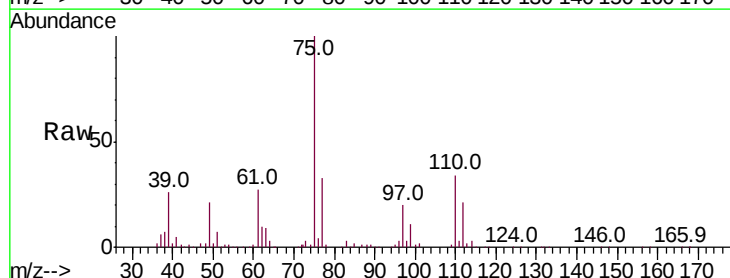
Acq: 10 May 2019 11:41

Tgt Ion: 75 Resp: 58697

Ion Ratio Lower Upper

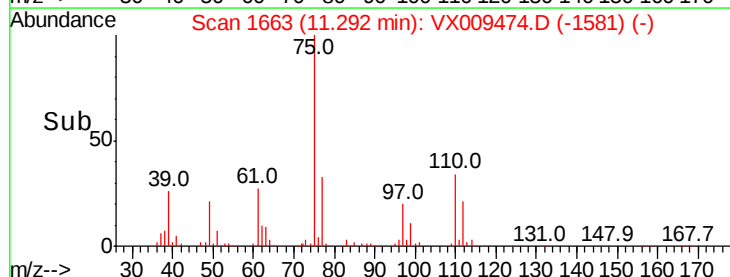
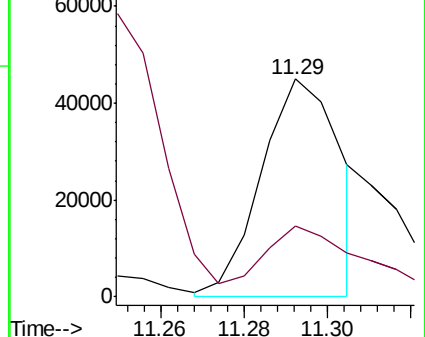
75 100

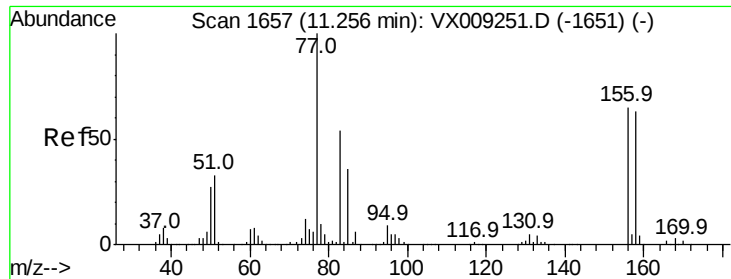
77 42.4 0.0 86.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 21.472 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

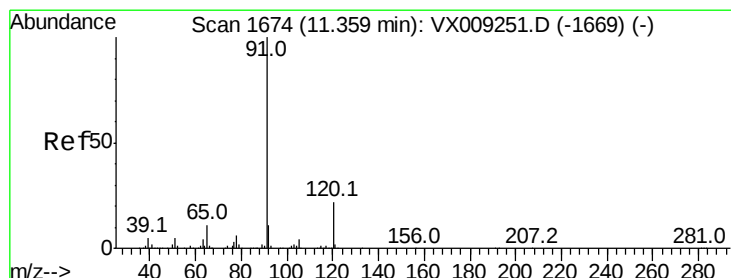
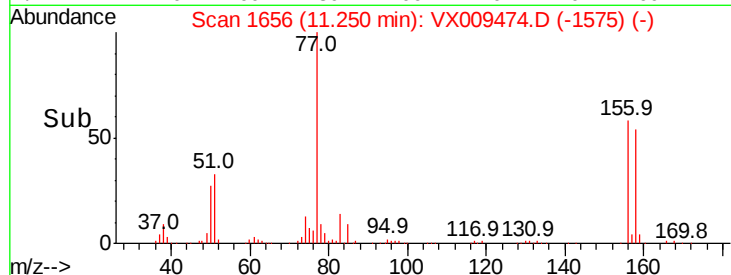
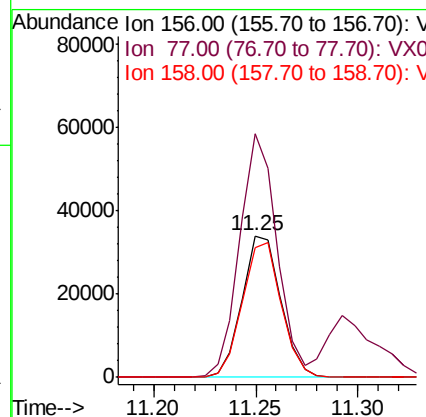
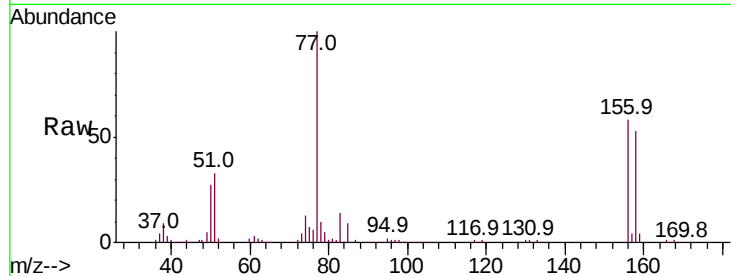
ClientSampleId :

VX0510WBS01

Tot Ion:	156	Resp:	44916
Ion	Ratio	Lower	Upper
156	100		
77	165.1	0.0	335.6
158	95.8	0.0	191.2

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM



#74

n-propylbenzene

Concen: 21.180 ug/l

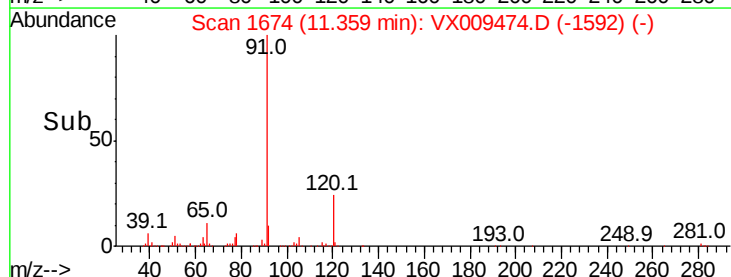
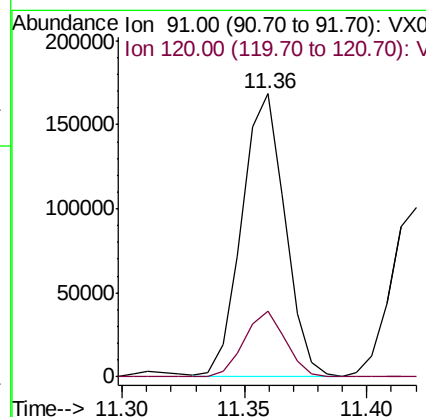
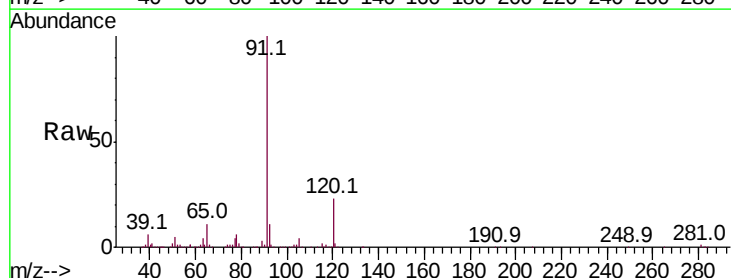
RT: 11.36 min Scan# 1674

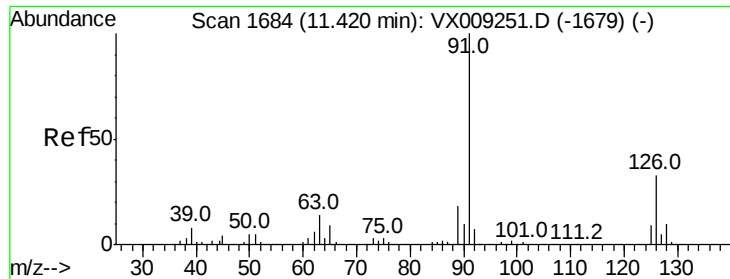
Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Tgt Ion:	91	Resp:	207792
Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	43.4





#75

2-Chlorotoluene

Concen: 21.330 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion: 91 Resp: 125519

Ion Ratio Lower Upper

91 100

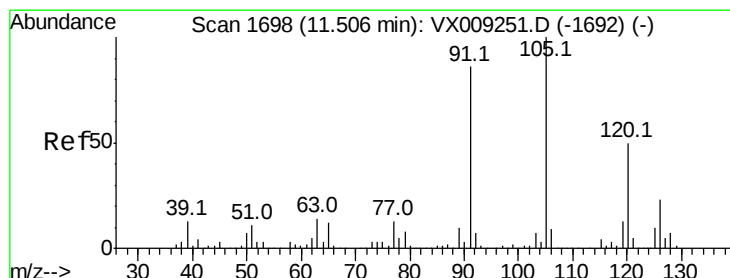
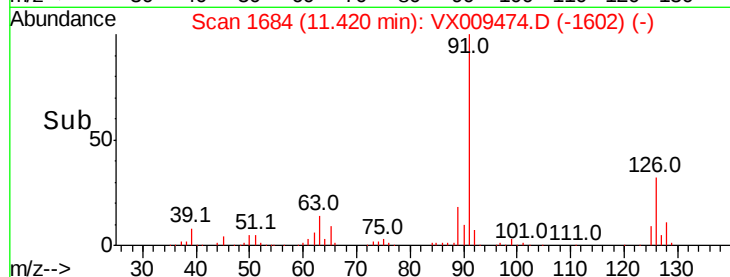
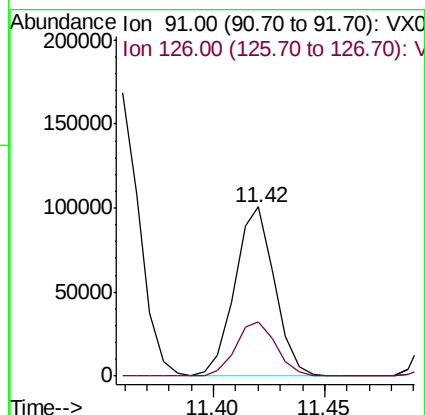
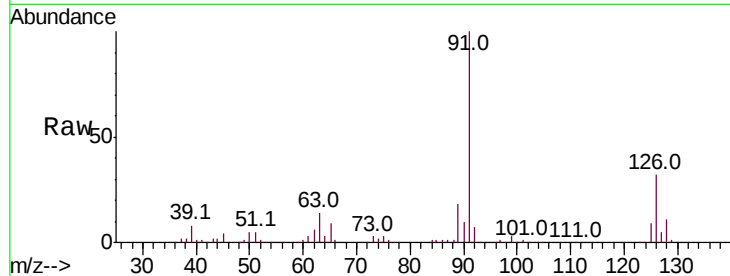
126 32.6 0.0 64.0

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:51:55 AM



#76

1,3,5-Trimethylbenzene

Concen: 21.226 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009474.D

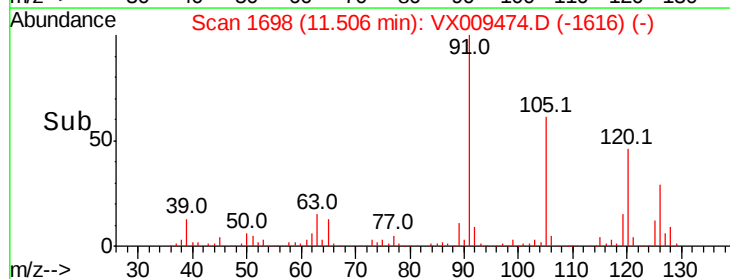
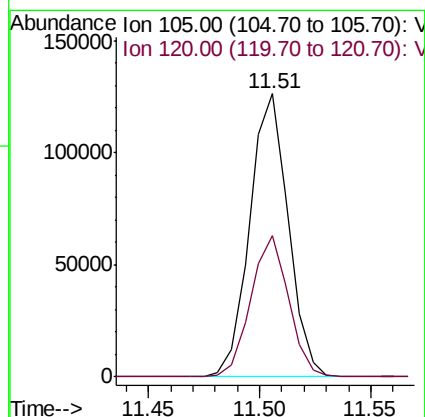
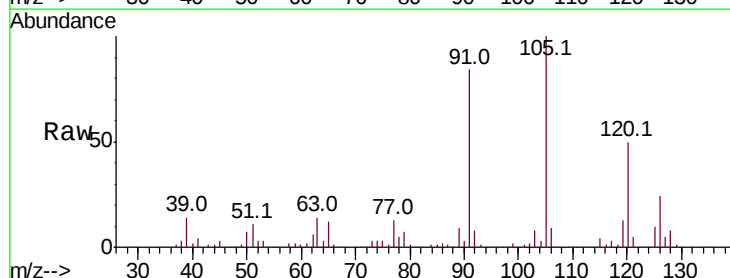
Acq: 10 May 2019 11:41

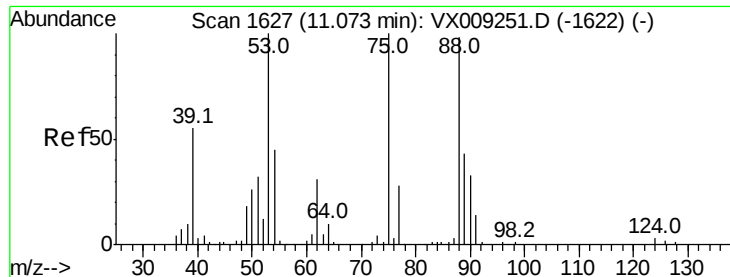
Tgt Ion:105 Resp: 152220

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 19.771 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion: 75 Resp: 21309

Ion Ratio Lower Upper

75 100

53 102.8 50.0 149.8

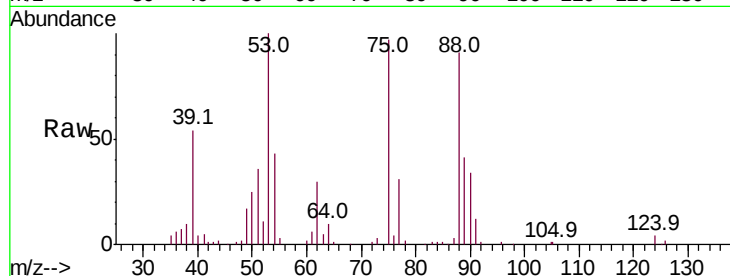
89 42.3 21.6 65.0

Manual Integrations

APPROVED

MMDadoda

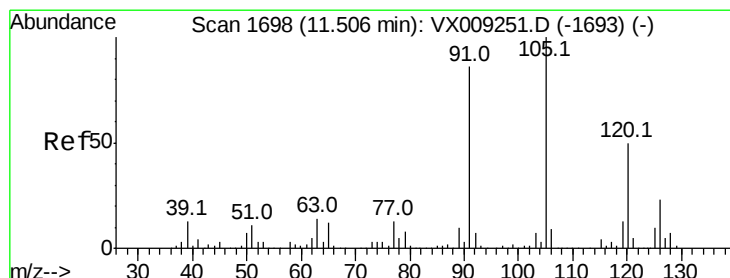
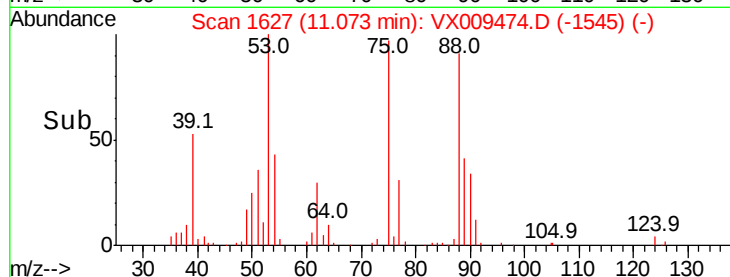
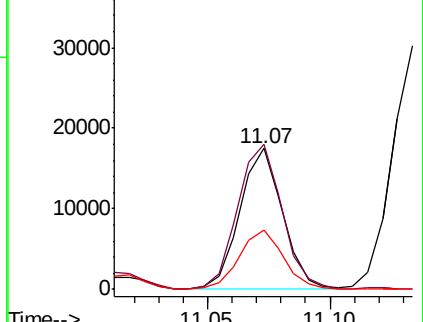
5/11/2019 11:51:55 AM



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 21.110 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009474.D

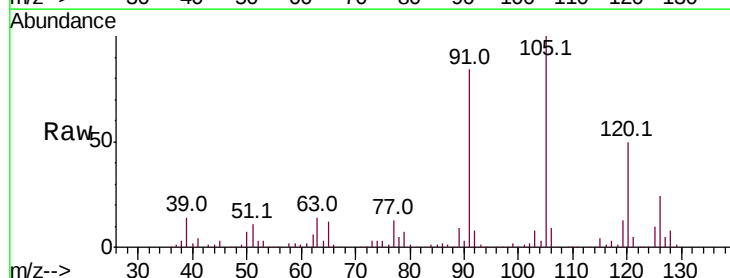
Acq: 10 May 2019 11:41

Tgt Ion: 91 Resp: 141091

Ion Ratio Lower Upper

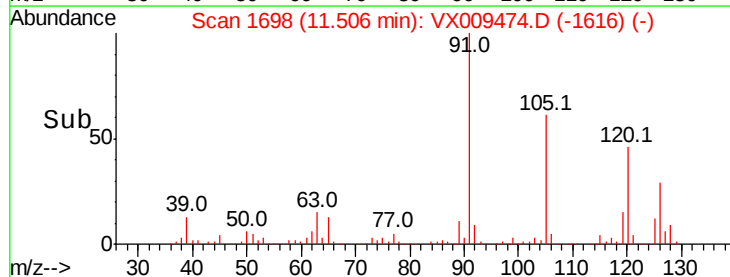
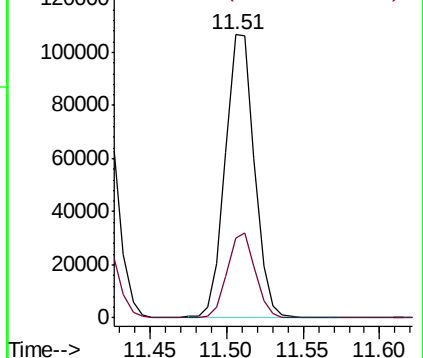
91 100

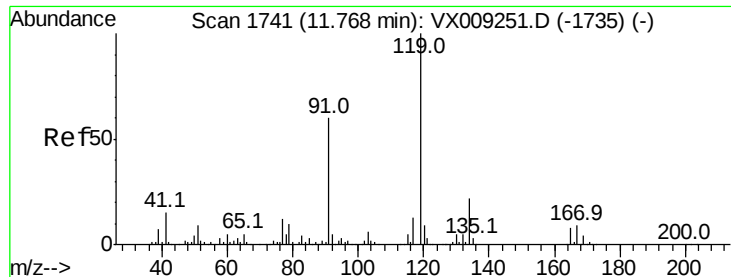
126 28.9 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 21.356 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

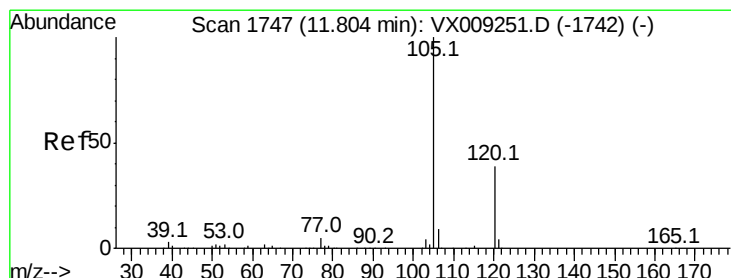
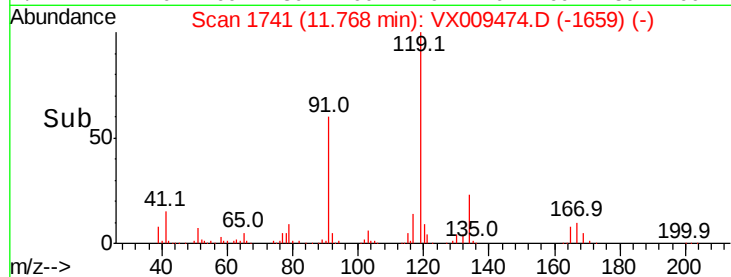
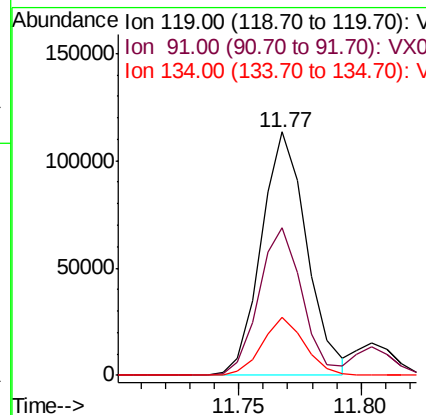
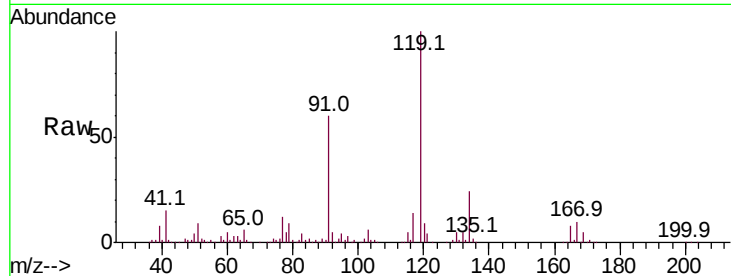
ClientSampled :

VX0510WBS01

Tot Ion:	119	Resp:	148059
Ion Ratio	Lower	Upper	
119	100		
91	58.1	0.0	118.2
134	22.0	0.0	45.0

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM



#80

1,2,4-Trimethylbenzene

Concen: 21.101 ug/l

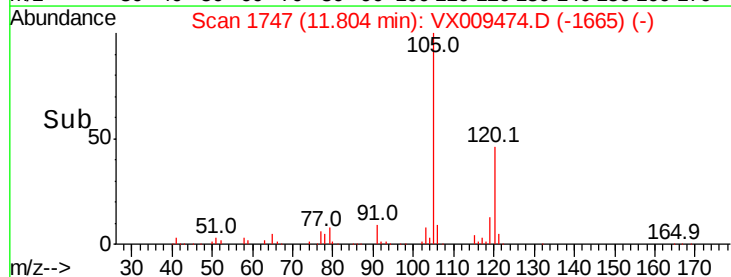
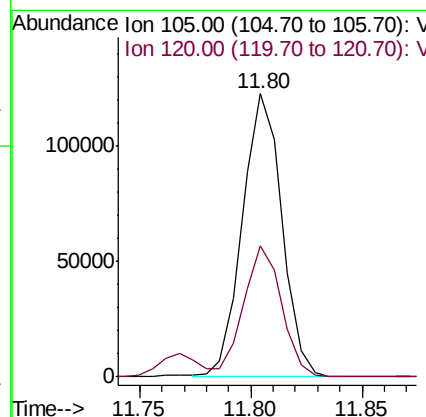
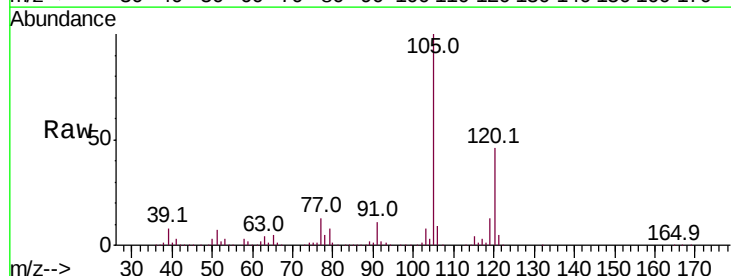
RT: 11.80 min Scan# 1747

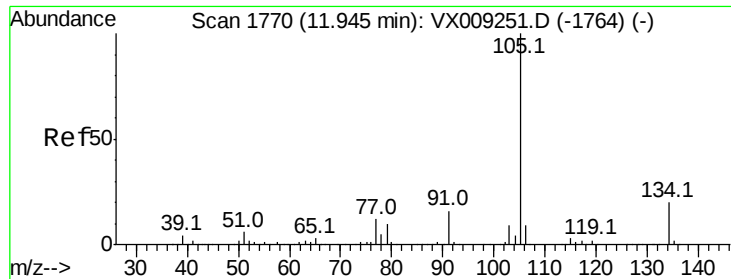
Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Tgt Ion:	105	Resp:	151670
Ion Ratio	Lower	Upper	
105	100		
120	45.1	0.0	89.6





#81

sec-Butylbenzene

Concen: 21.177 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS01

Tot Ion:105 Resp: 174431

Ion Ratio Lower Upper

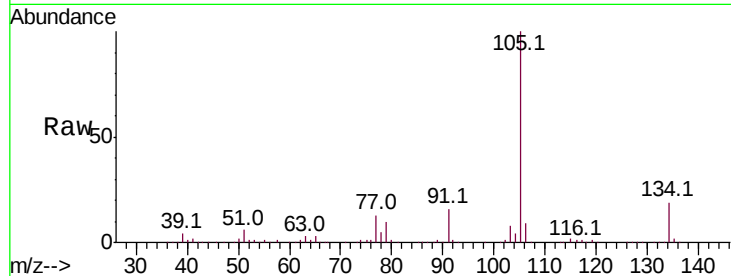
105 100

134 19.1 0.0 38.6

Manual Integrations
APPROVED

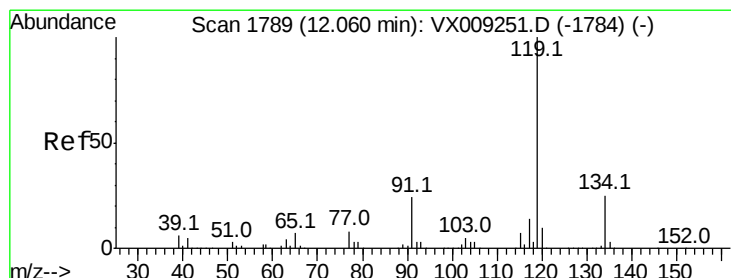
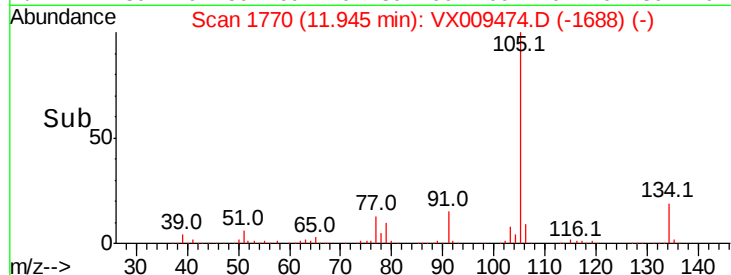
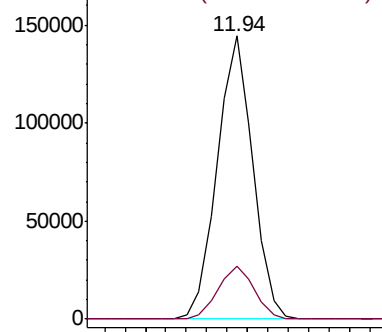
MMDadoda

5/11/2019 11:51:55 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 21.154 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

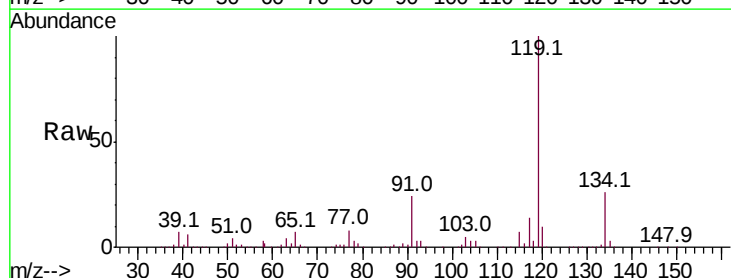
Tgt Ion:119 Resp: 158498

Ion Ratio Lower Upper

119 100

134 25.8 0.0 50.8

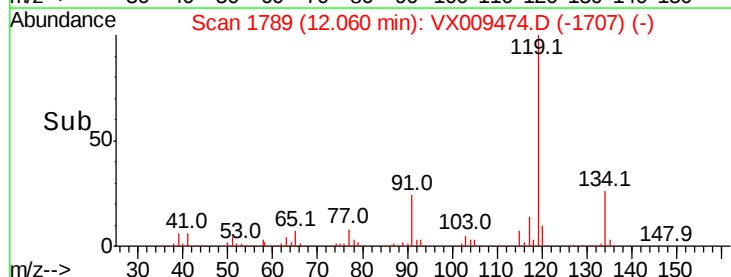
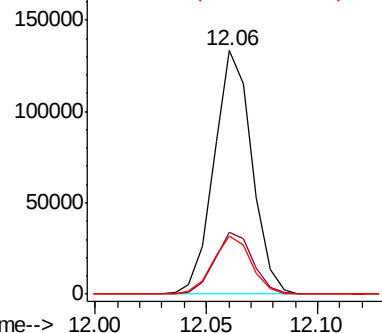
91 23.9 0.0 47.2

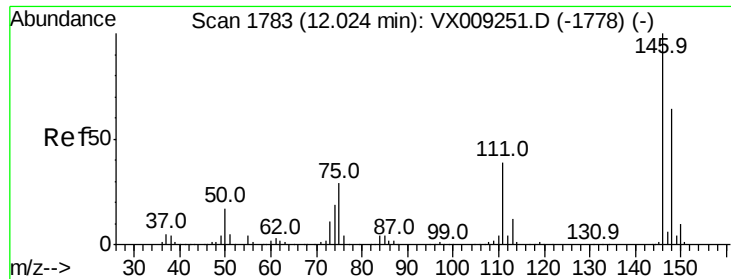


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





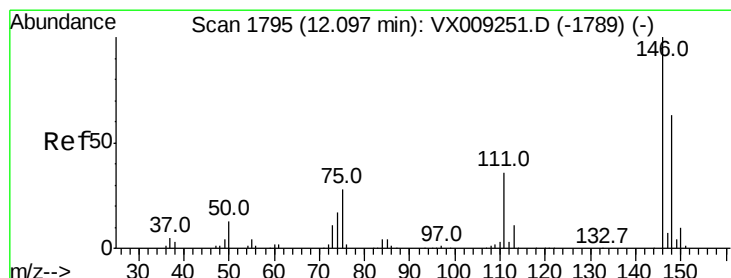
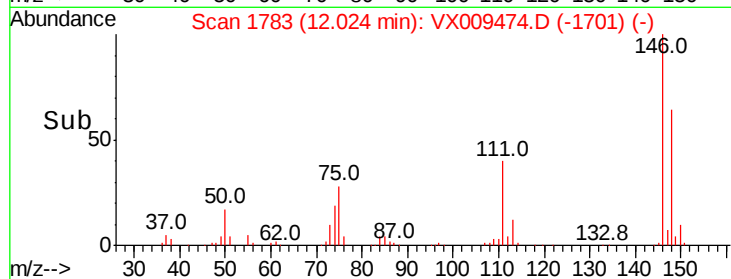
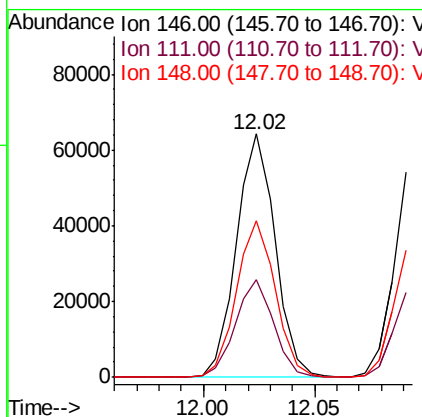
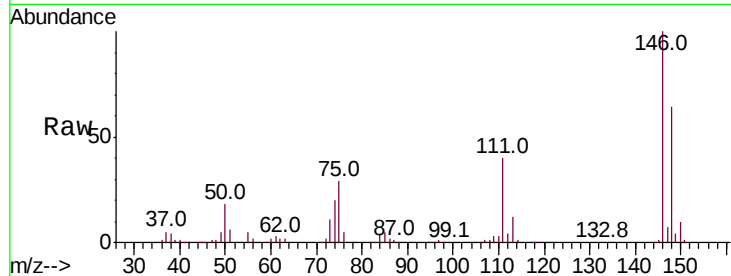
#83
 1,3-Dichlorobenzene
 Concen: 20.811 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	64.9	32.2	96.6

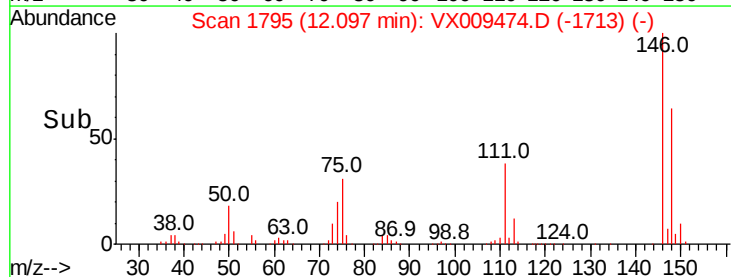
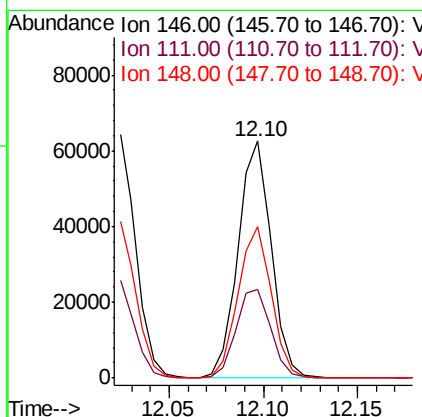
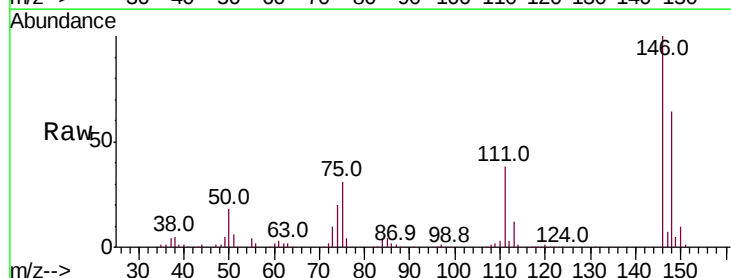
Manual Integrations
 APPROVED

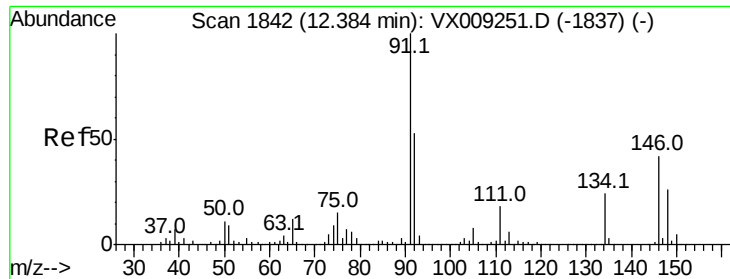
MMDadoda
 5/11/2019 11:51:55 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.560 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	64.0	32.3	96.8





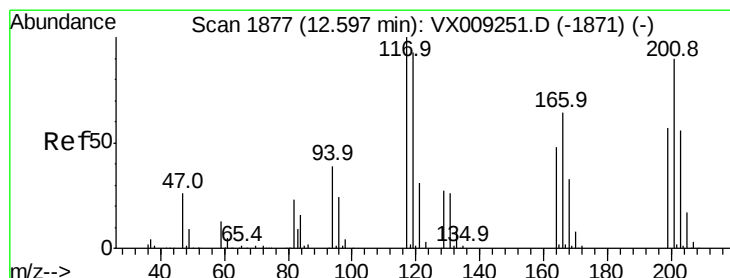
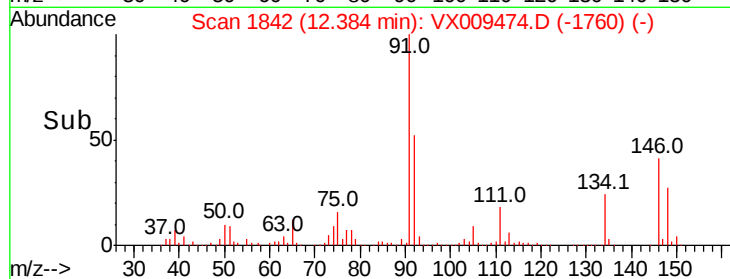
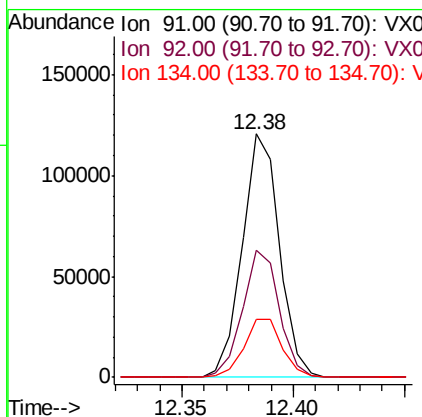
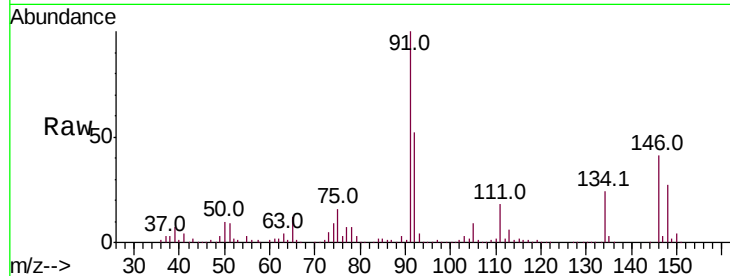
#85
n-Butylbenzene
Concen: 20.521 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	140690		
92	51.6	0.0	106.6	
134	24.6	0.0	50.0	

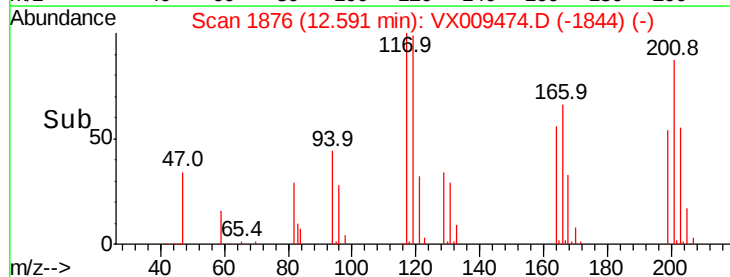
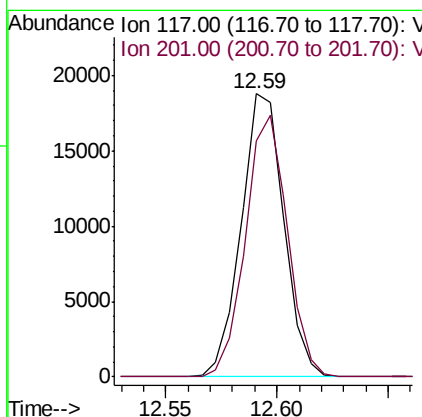
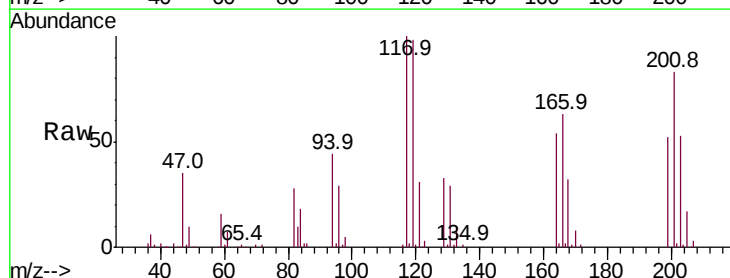
Manual Integrations
APPROVED

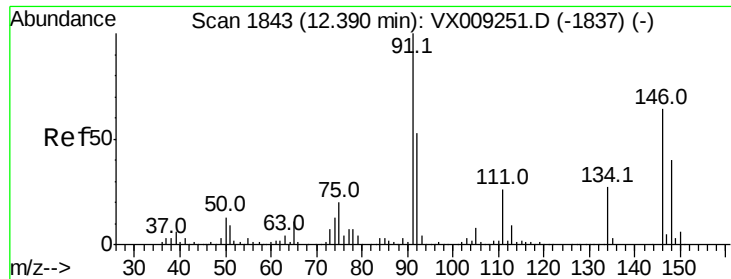
MMDadoda
5/11/2019 11:51:55 AM



#86
Hexachloroethane
Concen: 19.712 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009474.D
Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	25132		
201	90.5	41.8	125.4	





#87

1,2-Dichlorobenzene

Concen: 21.002 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

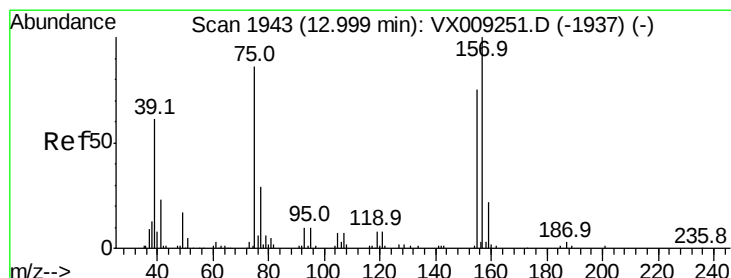
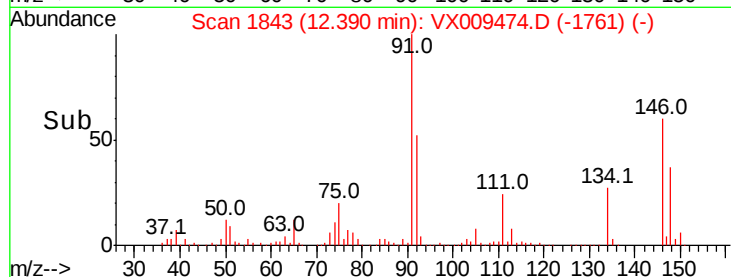
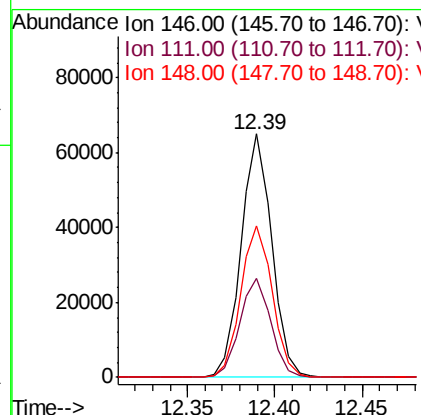
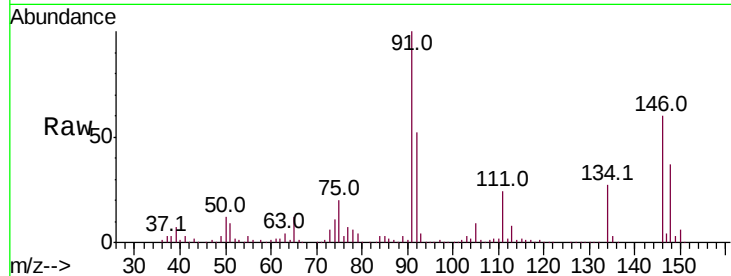
ClientSampleId :

VX0510WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.2
148	64.5	31.4	94.3

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.548 ug/l

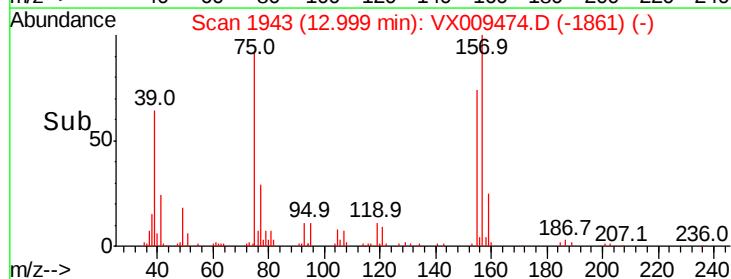
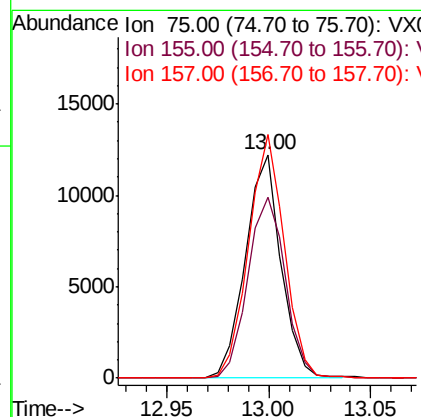
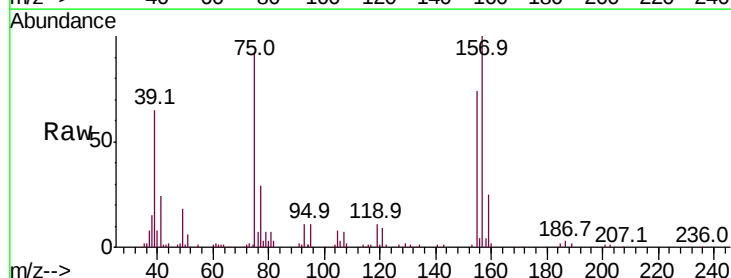
RT: 13.00 min Scan# 1943

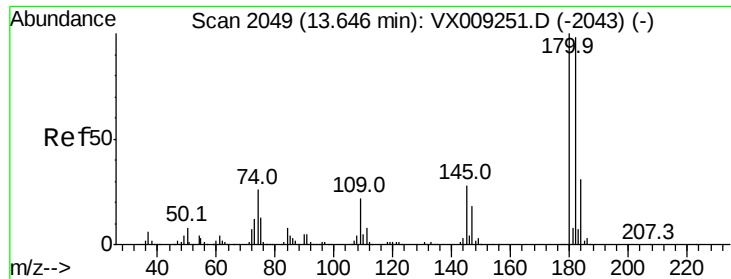
Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	65.9	98.9
157	109.1	85.2	127.8





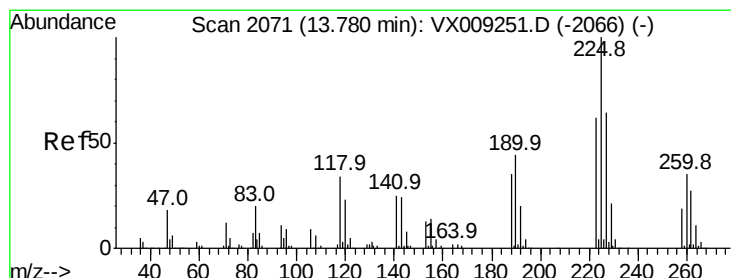
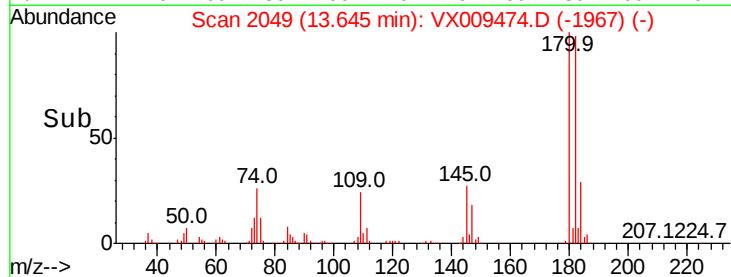
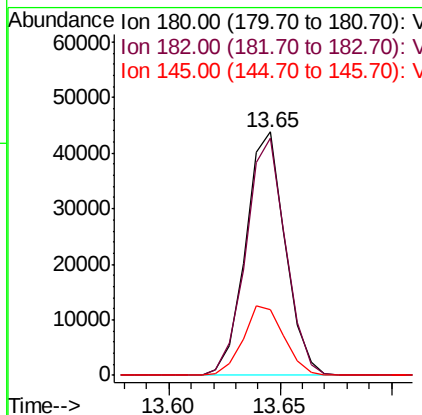
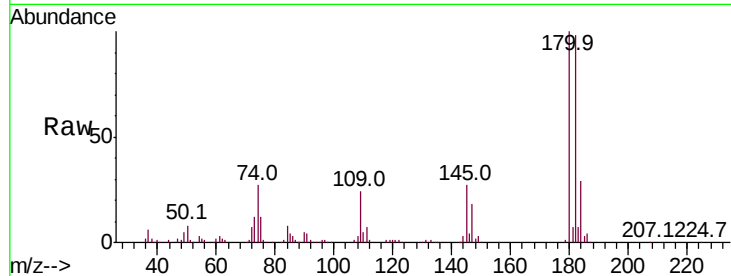
#89
 1,2,4-Trichlorobenzene
 Concen: 20.303 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	54418		
182	97.7	76.9	115.3	
145	29.6	23.0	34.6	

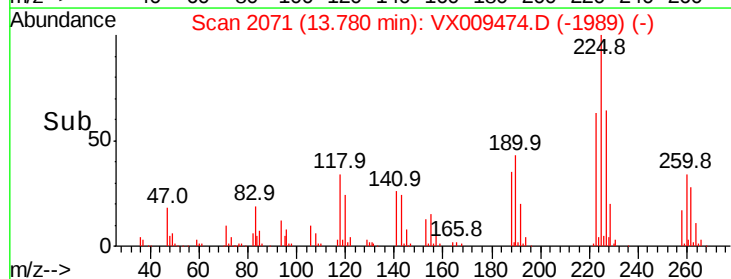
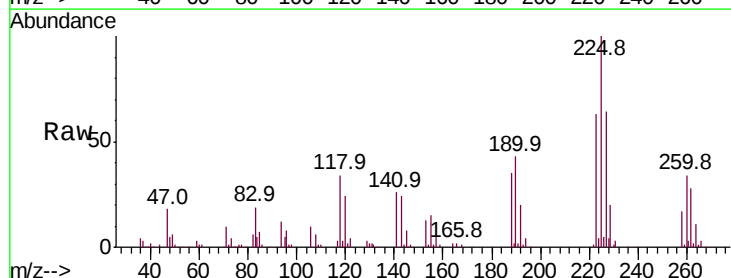
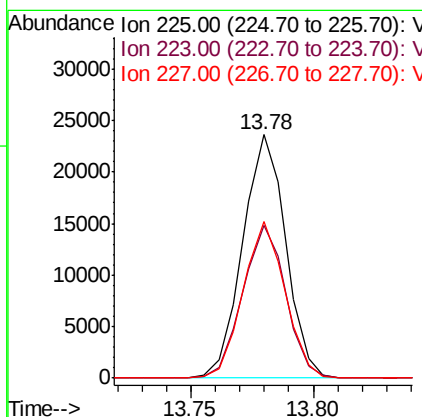
Manual Integrations
 APPROVED

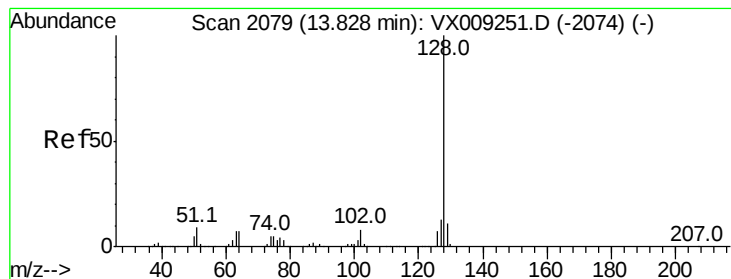
MMDadoda
 5/11/2019 11:51:55 AM



#90
 Hexachlorobutadiene
 Concen: 21.523 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009474.D
 Acq: 10 May 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28815		
223	62.6	0.0	126.6	
227	62.6	0.0	130.0	





#91

Naphthalene

Concen: 20.846 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Instrument :

MSVOA_X

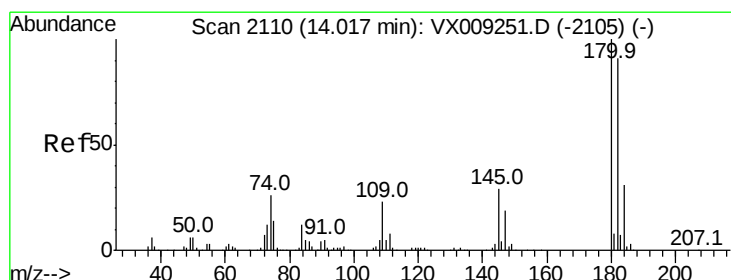
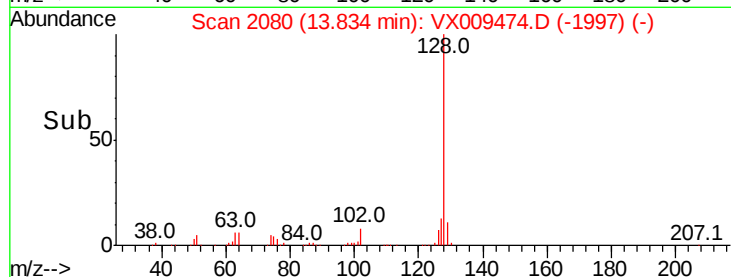
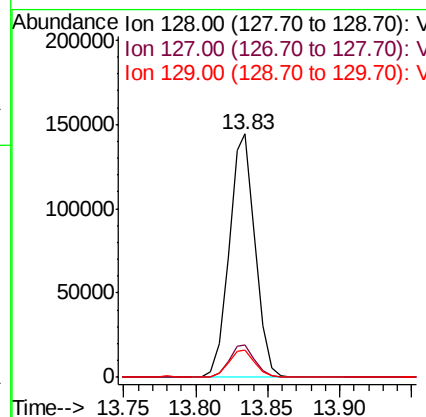
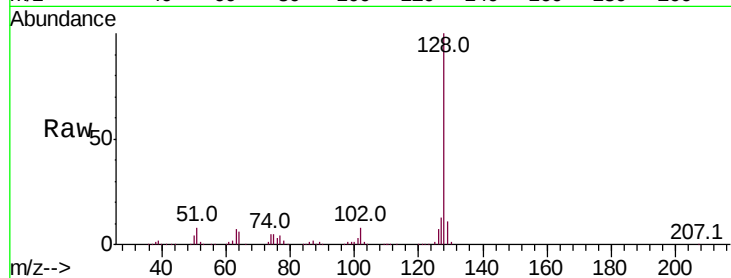
ClientSampleId :

VX0510WBS01

Tot Ion:128	Resp:	182931
Ion Ratio	Lower	Upper
128 100		
127 13.2	10.5	15.7
129 11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:51:55 AM



#92

1,2,3-Trichlorobenzene

Concen: 20.890 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009474.D

Acq: 10 May 2019 11:41

Tgt Ion:180	Resp:	56914
Ion Ratio	Lower	Upper
180 100		
182 96.5	0.0	189.0
145 30.4	0.0	61.6

