

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050919\
 Data File : VX009422.D
 Acq On : 09 May 2019 13:04
 Operator : JC/SP
 Sample : VX0509WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 1:11:56 PM

Quant Time: May 10 07:35:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	160188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	256020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111427	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	116828	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
35) Dibromofluoromethane	5.50	113	86576	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
50) Toluene-d8	8.71	98	350483	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
62) 4-Bromofluorobenzene	11.13	95	126637	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31273	21.185	ug/l	96
3) Chloromethane	1.32	50	45343	22.499	ug/l	99
4) Vinyl Chloride	1.40	62	44634	22.712	ug/l	98
5) Bromomethane	1.64	94	25785	21.860	ug/l	98
6) Chloroethane	1.72	64	29435	23.329	ug/l	98
7) Trichlorofluoromethane	1.93	101	55516	23.240	ug/l	100
8) Diethyl Ether	2.19	74	25953	22.936	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34855	23.235	ug/l	99
10) Methyl Iodide	2.51	142	36750	23.742	ug/l	99
11) Tert butyl alcohol	3.04	59	55860	110.356	ug/l	99
12) 1,1-Dichloroethene	2.37	96	34861	23.194	ug/l	98
13) Acrolein	2.29	56	52275	114.035	ug/l	100
14) Allyl chloride	2.73	41	81609	22.280	ug/l	100
15) Acrylonitrile	3.14	53	138602	111.988	ug/l	100
16) Acetone	2.44	43	129252	110.076	ug/l	99
17) Carbon Disulfide	2.57	76	100280	23.764	ug/l	100
18) Methyl Acetate	2.77	43	57994	20.768	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	132573	22.714	ug/l	100
20) Methylene Chloride	2.85	84	42948	22.590	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	38112	23.381	ug/l	100
22) Diisopropyl ether	3.85	45	159798	22.685	ug/l	94
23) Vinyl Acetate	3.81	43	714118	118.389	ug/l	100
24) 1,1-Dichloroethane	3.70	63	77847	22.402	ug/l	99
25) 2-Butanone	4.67	43	206883	113.381	ug/l	97
26) 2,2-Dichloropropane	4.58	77	56279	21.758	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	44049	22.640	ug/l	100
28) Bromochloromethane	5.01	49	30158	19.910	ug/l	99
29) Tetrahydrofuran	5.13	42	135279	115.212	ug/l	99
30) Chloroform	5.21	83	72797	23.162	ug/l	96
31) Cyclohexane	5.58	56	76519	23.668	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	59670	22.807	ug/l	99
36) 1,1-Dichloropropene	5.80	75	54649	22.969	ug/l	99
37) Ethyl Acetate	4.83	43	76668	23.128	ug/l	99
38) Carbon Tetrachloride	5.79	117	49518	22.907	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009422.D
 Acq On : 09 May 2019 13:04
 Operator : JC/SP
 Sample : VX0509WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 1:11:56 PM

Quant Time: May 10 07:35:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	68902	23.581	ug/l	99
40) Benzene	6.14	78	172191	23.385	ug/l	100
41) Methacrylonitrile	5.04	41	43318	21.952	ug/l	99
42) 1,2-Dichloroethane	6.19	62	61771	23.386	ug/l	100
43) Isopropyl Acetate	6.45	43	119502	22.537	ug/l	100
44) Trichloroethene	7.21	130	40714	22.872	ug/l	99
45) 1,2-Dichloropropane	7.51	63	48139	23.088	ug/l	97
46) Dibromomethane	7.66	93	27237	22.496	ug/l	97
47) Bromodichloromethane	7.90	83	54829	22.702	ug/l	97
48) Methyl methacrylate	7.77	41	60239	22.899	ug/l	99
49) 1,4-Dioxane	7.74	88	23974	449.373	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	398746	115.051	ug/l	100
52) Toluene	8.78	92	104353	23.314	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	61049	22.389	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	68671	22.753	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	42195	23.107	ug/l	100
56) Ethyl methacrylate	9.18	69	74179	22.757	ug/l	100
57) 1,3-Dichloropropane	9.37	76	73584	22.899	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	170410	98.547	ug/l	100
59) 2-Hexanone	9.49	43	307348	112.913	ug/l	100
60) Dibromochloromethane	9.58	129	40797	22.875	ug/l	99
61) 1,2-Dibromoethane	9.67	107	42633	23.129	ug/l	99
64) Tetrachloroethene	9.34	164	37249	23.717	ug/l	98
65) Chlorobenzene	10.13	112	107170	23.399	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	38656	23.280	ug/l	99
67) Ethyl Benzene	10.25	91	198630	23.564	ug/l	98
68) m/p-Xylenes	10.36	106	144657	46.962	ug/l	99
69) o-Xylene	10.69	106	70983	23.356	ug/l	99
70) Styrene	10.71	104	122794	23.246	ug/l	100
71) Bromoform	10.85	173	30668	22.727	ug/l #	98
73) Isopropylbenzene	11.02	105	188838	23.305	ug/l	99
74) N-amyl acetate	10.90	43	107058	22.662	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	68858	22.796	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	59486m	23.015	ug/l	
77) Bromobenzene	11.26	156	47325	23.531	ug/l	96
78) n-propylbenzene	11.36	91	216132	23.356	ug/l	99
79) 2-Chlorotoluene	11.42	91	128840	22.567	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	160282	23.493	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21711	21.492	ug/l	94
82) 4-Chlorotoluene	11.51	91	147004	22.792	ug/l	100
83) tert-Butylbenzene	11.77	119	153829	23.178	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	161507	23.584	ug/l	99
85) sec-Butylbenzene	11.94	105	181310	23.042	ug/l	99
86) p-Isopropyltoluene	12.06	119	166147	23.487	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	81353	22.691	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	80551	22.285	ug/l	98
89) n-Butylbenzene	12.38	91	145126	22.699	ug/l	100
90) Hexachloroethane	12.60	117	27157	22.534	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	83488	22.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15684	23.146	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
Data File : VX009422.D
Acq On : 09 May 2019 13:04
Operator : JC/SP
Sample : VX0509WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

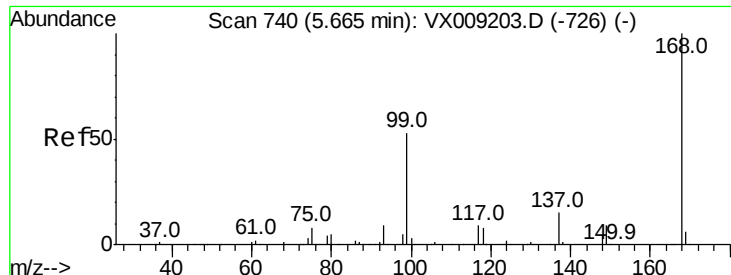
Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM

Quant Time: May 10 07:35:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	56968	22.813	ug/l	100
94) Hexachlorobutadiene	13.78	225	28708	22.512	ug/l	96
95) Naphthalene	13.83	128	189471	23.321	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	59269	23.414	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion:168 Resp: 160188

Ion Ratio Lower Upper

168 100

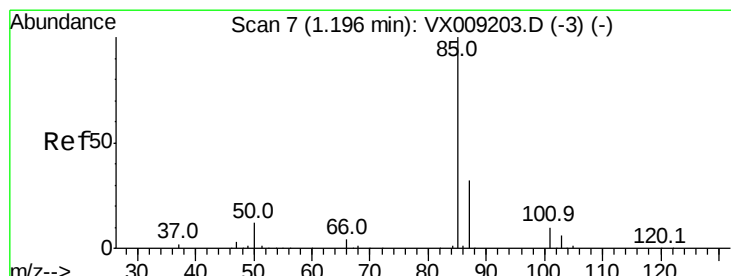
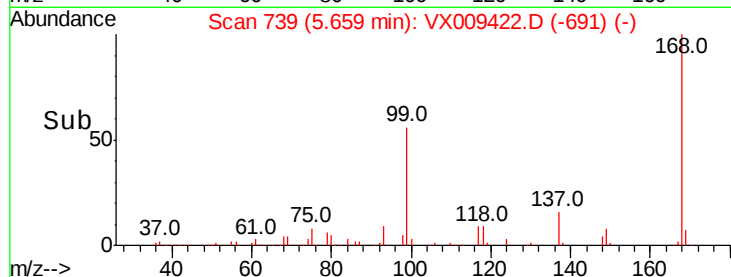
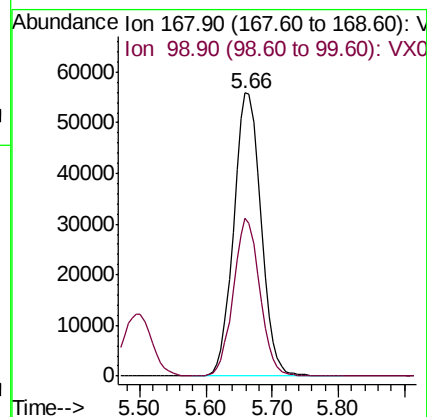
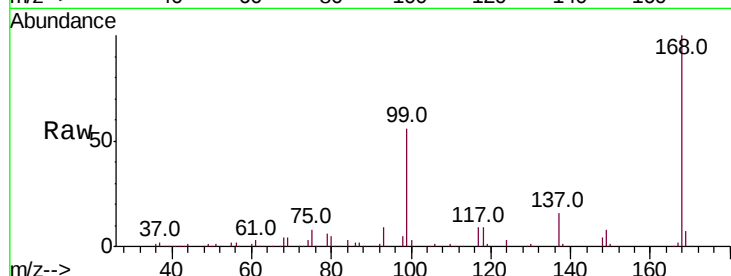
99 55.7 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:11:56 PM



#2

Dichlorodifluoromethane

Concen: 21.185 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009422.D

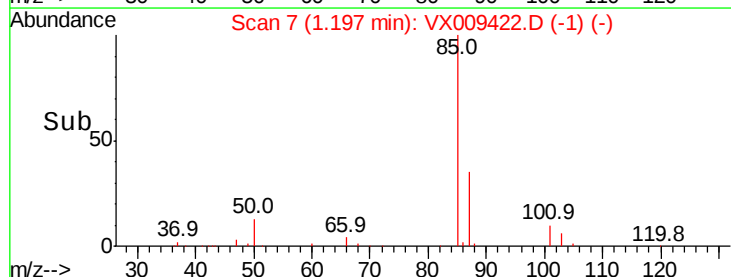
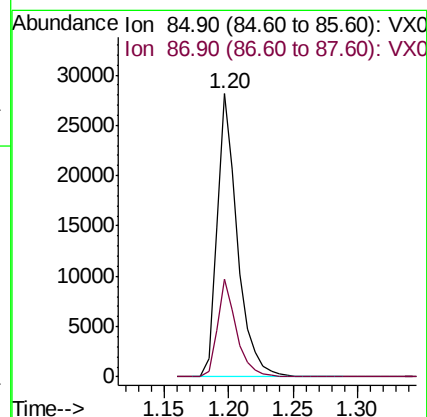
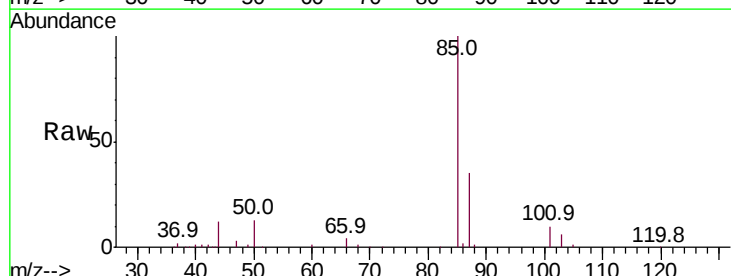
Acq: 09 May 2019 13:04

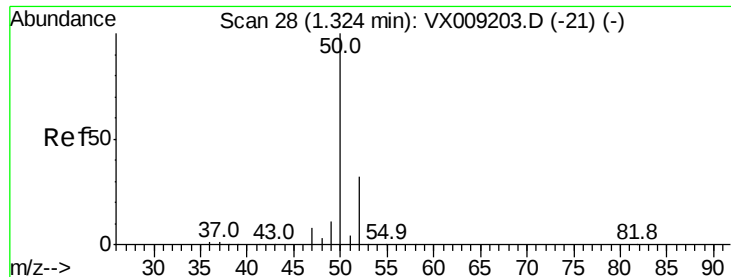
Tgt Ion: 85 Resp: 31273

Ion Ratio Lower Upper

85 100

87 34.6 16.1 48.3





#3

Chloromethane

Concen: 22.499 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 50 Resp: 45343

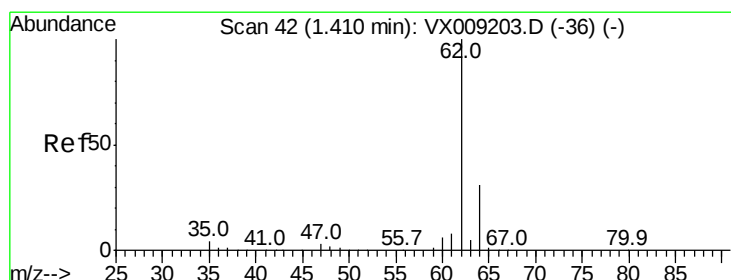
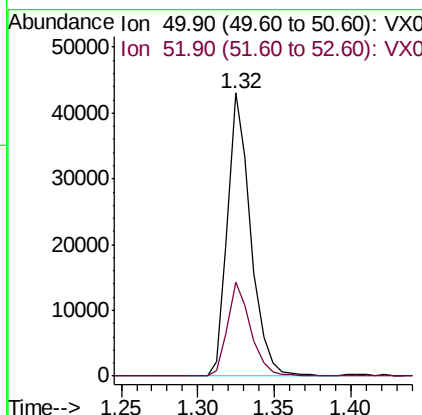
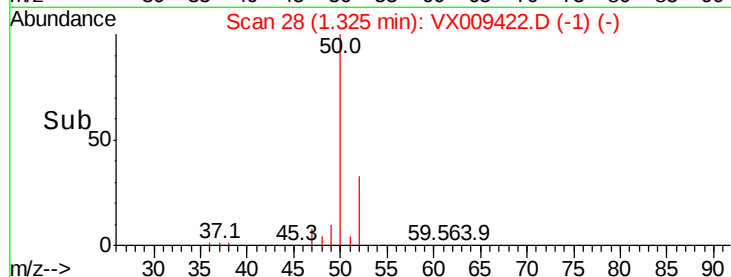
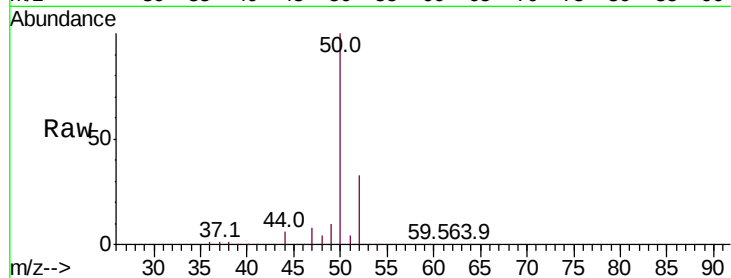
Ion Ratio Lower Upper

50 100

52 33.2 25.9 38.9

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



#4

Vinyl Chloride

Concen: 22.712 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009422.D

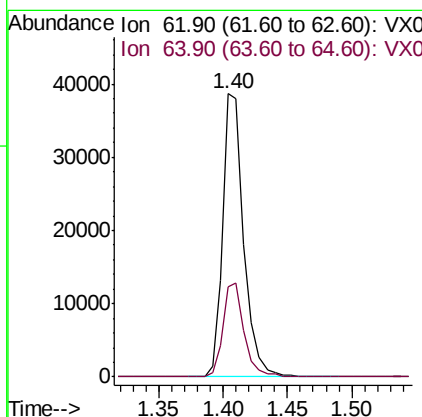
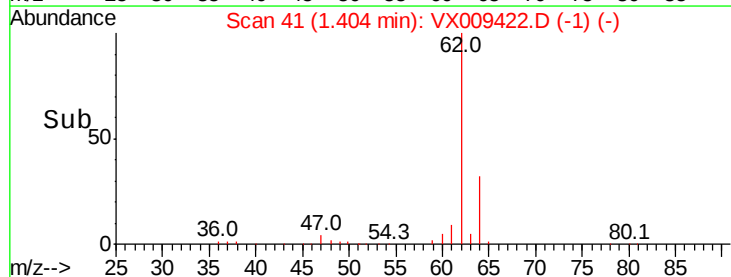
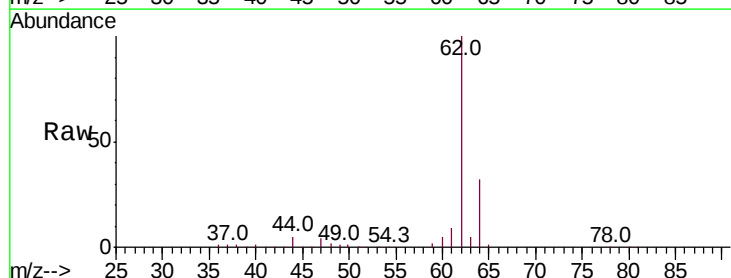
Acq: 09 May 2019 13:04

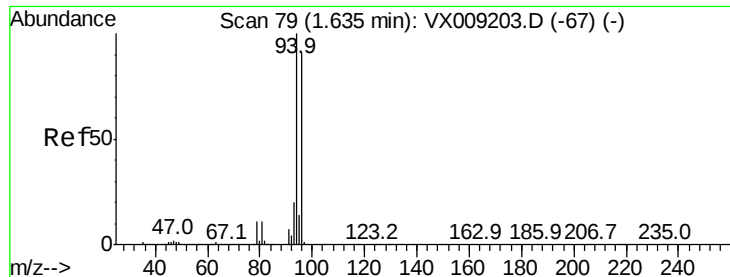
Tgt Ion: 62 Resp: 44634

Ion Ratio Lower Upper

62 100

64 31.8 24.6 36.8





#5

Bromomethane

Concen: 21.860 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 94 Resp: 25785

Ion Ratio Lower Upper

94 100

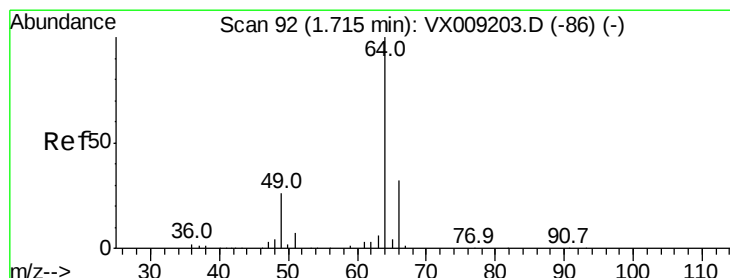
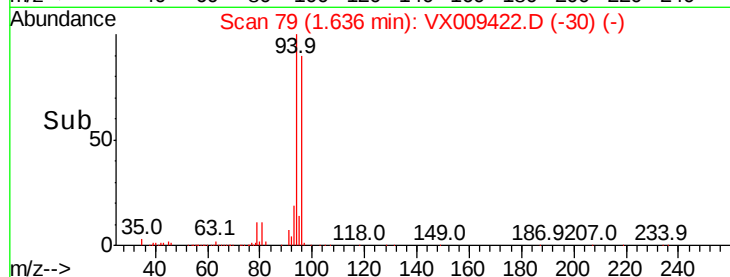
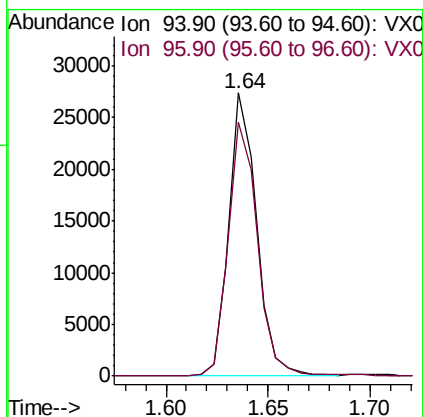
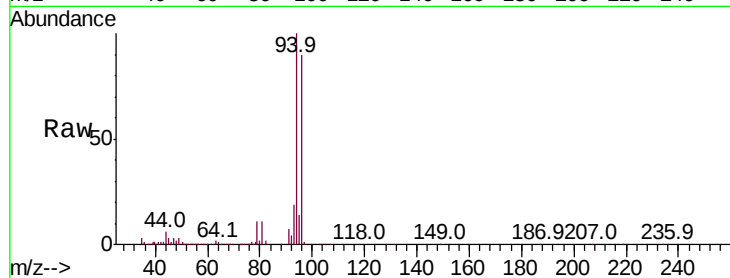
96 89.3 73.0 109.6

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:11:56 PM



#6

Chloroethane

Concen: 23.329 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009422.D

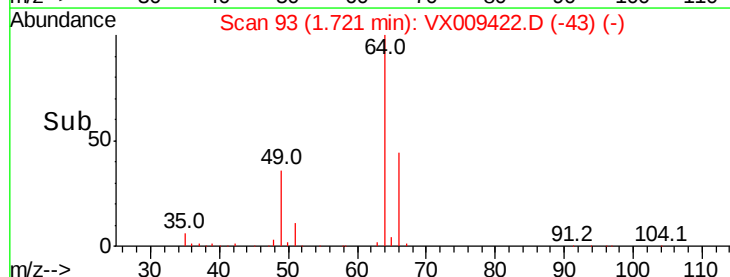
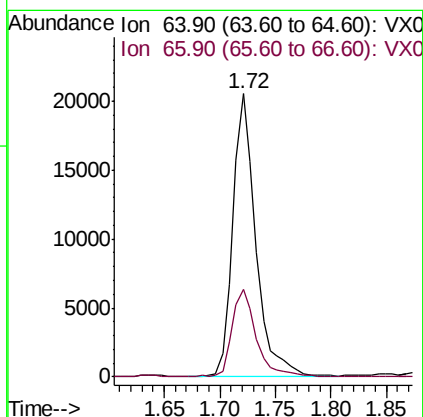
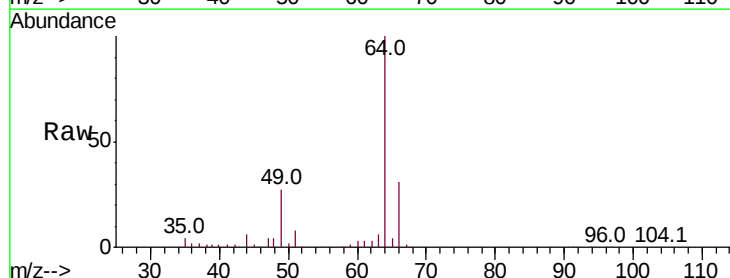
Acq: 09 May 2019 13:04

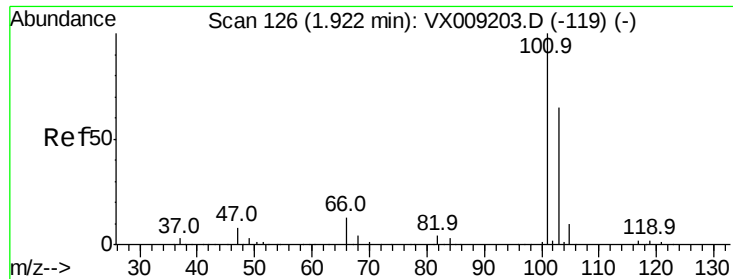
Tgt Ion: 64 Resp: 29435

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9





#7

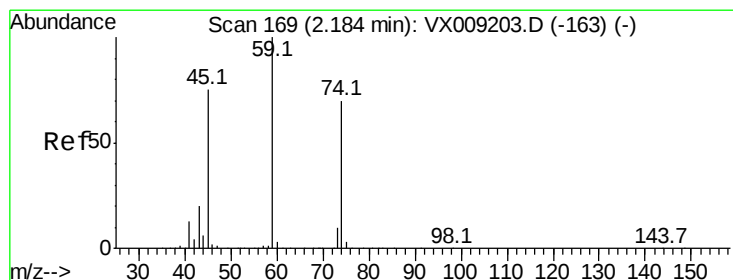
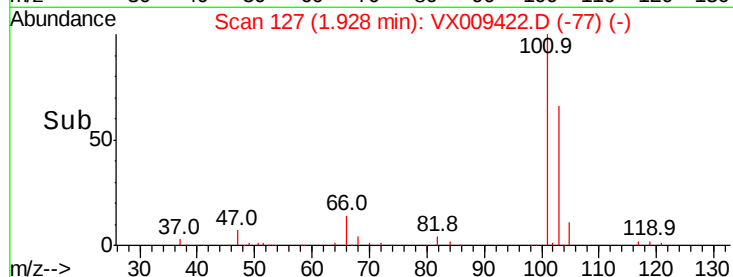
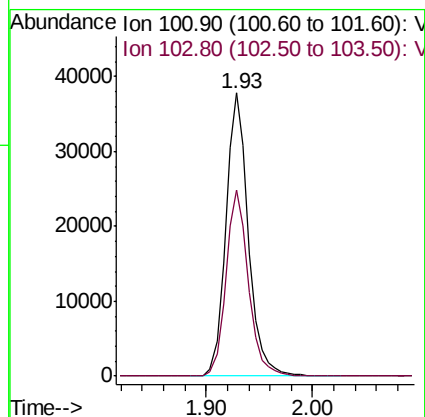
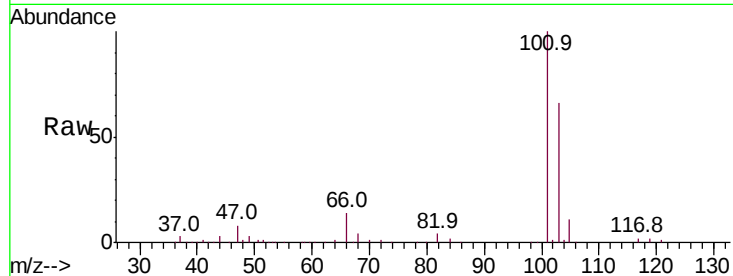
Trichlorofluoromethane
 Concen: 23.240 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion:101 Resp: 55516
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.4 78.6

Manual Integrations
 APPROVED

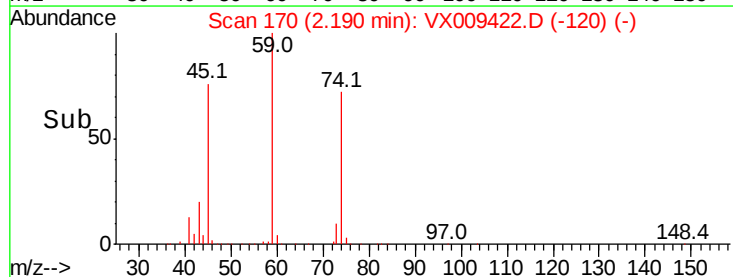
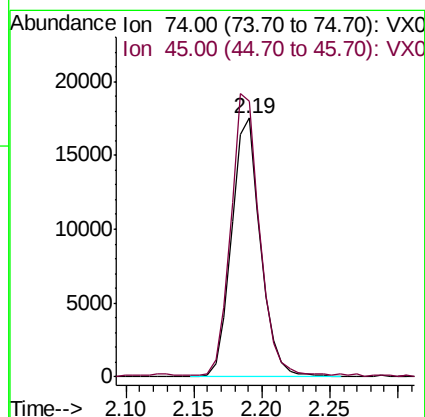
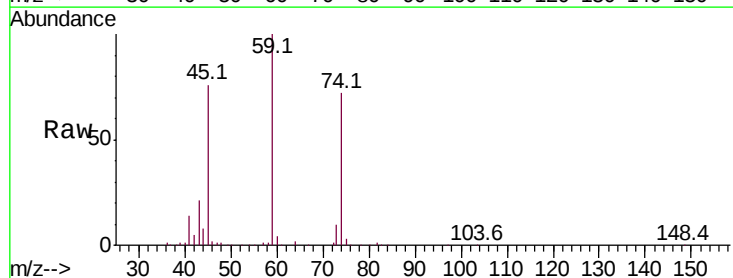
MMDadoda
 5/10/2019 1:11:56 PM

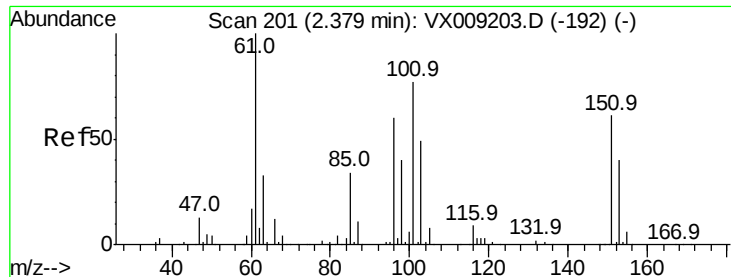


#8

Diethyl Ether
 Concen: 22.936 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Tgt Ion: 74 Resp: 25953
 Ion Ratio Lower Upper
 74 100
 45 107.4 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.235 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

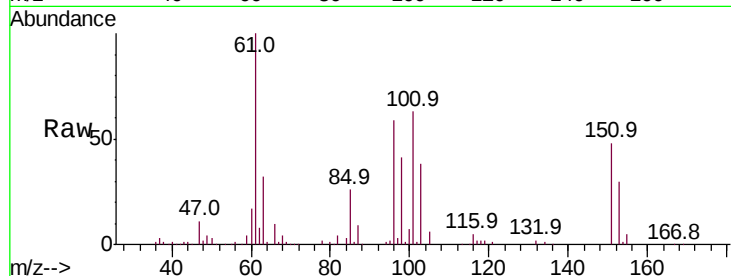
ClientSampleId :

VX0509WBSD01

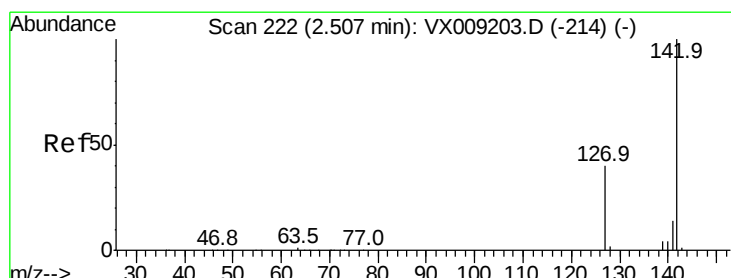
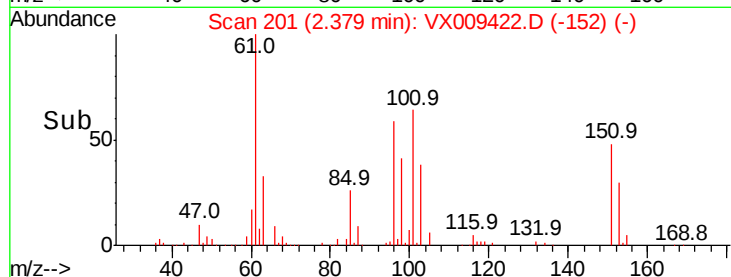
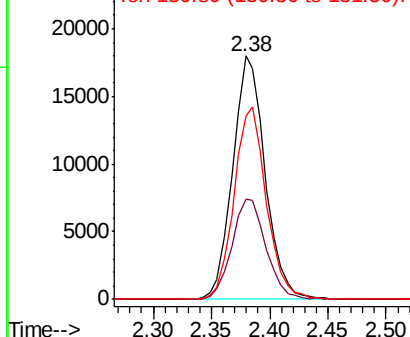
Tot Ion:	101	Resp:	34855
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.7	53.5
151	78.8	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.742 ug/l

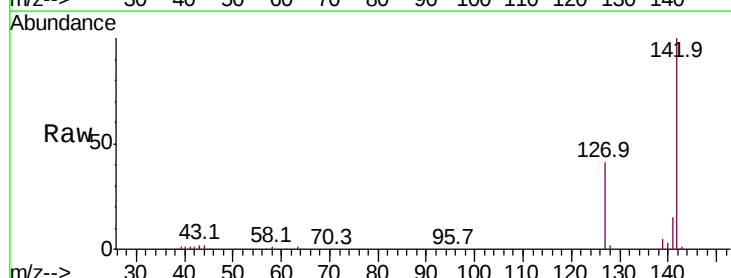
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

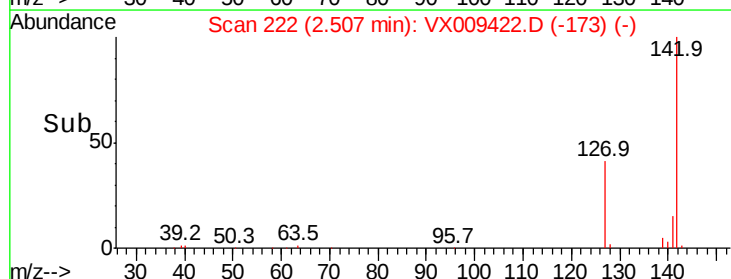
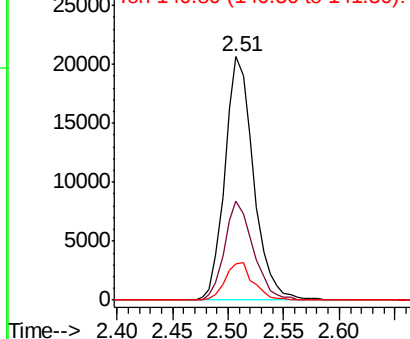
Lab File: VX009422.D

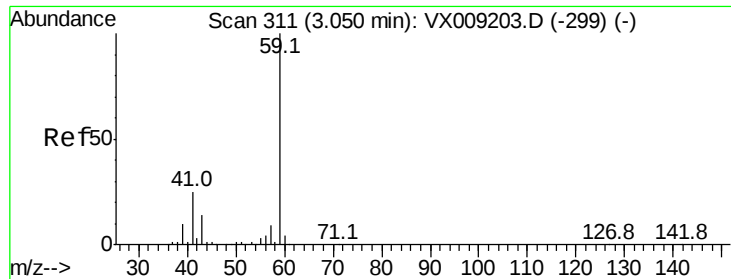
Acq: 09 May 2019 13:04

Tgt Ion:	142	Resp:	36750
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.7	49.1
141	14.9	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





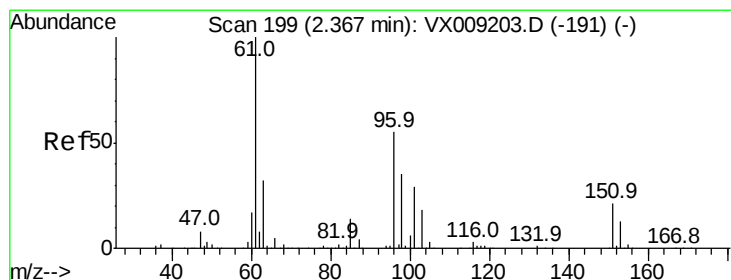
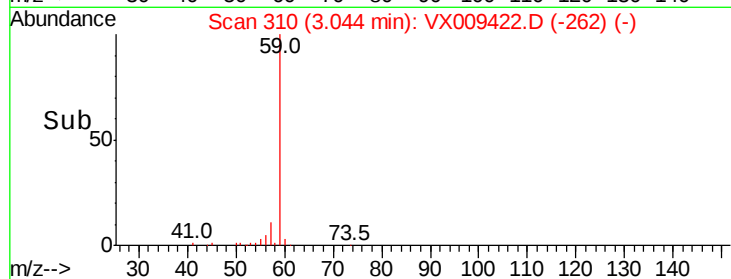
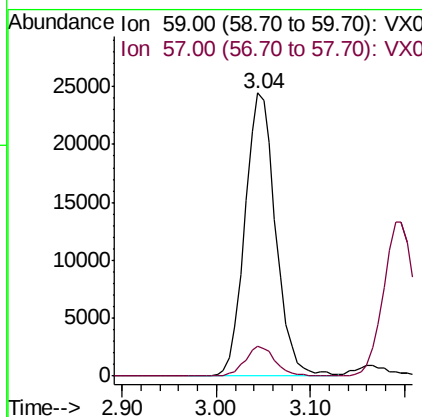
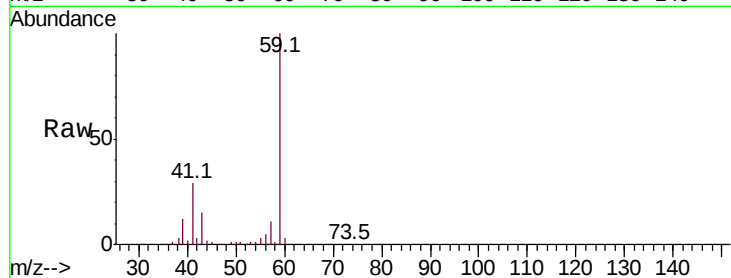
#11
Tert butyl alcohol
Concen: 110.356 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion: 59 Resp: 55860
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

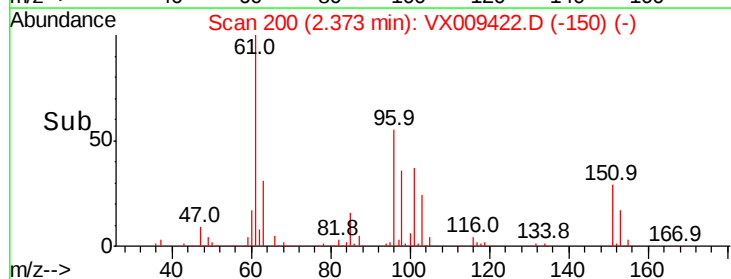
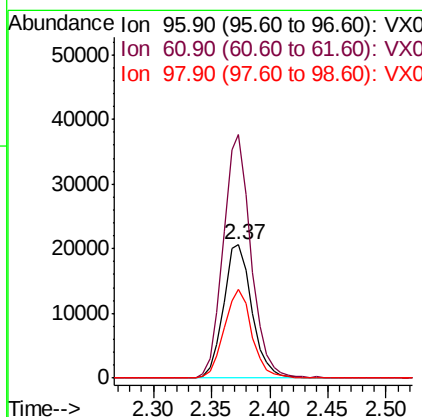
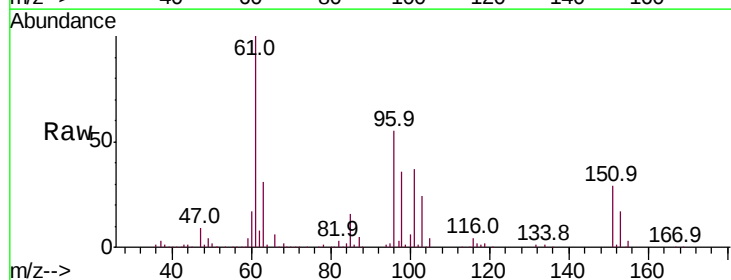
Manual Integrations
APPROVED

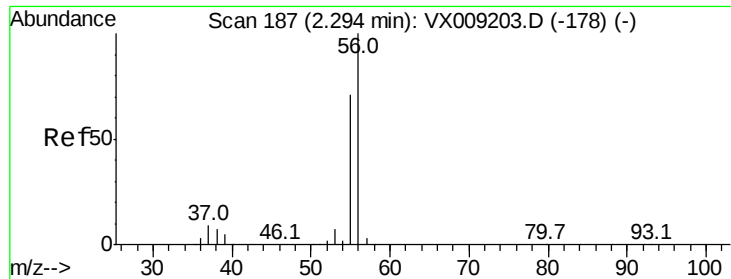
MMDadoda
5/10/2019 1:11:56 PM



#12
1,1-Dichloroethene
Concen: 23.194 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion: 96 Resp: 34861
Ion Ratio Lower Upper
96 100
61 182.5 144.3 216.5
98 66.4 50.3 75.5





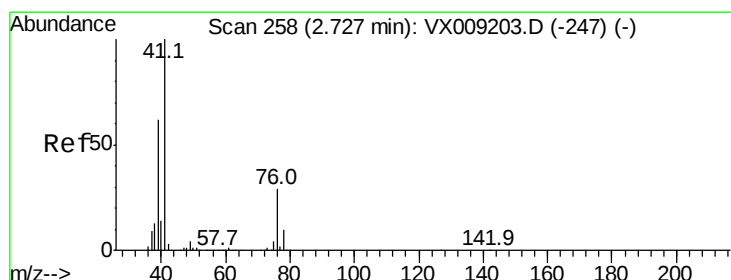
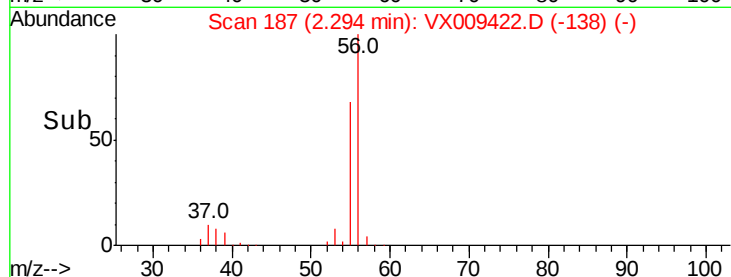
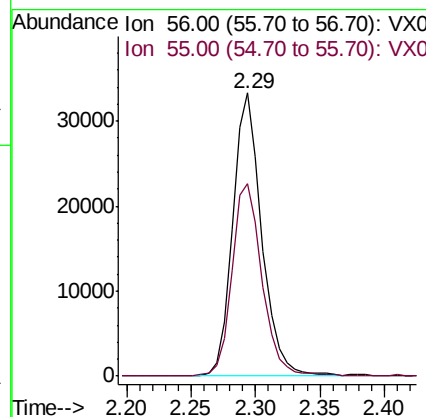
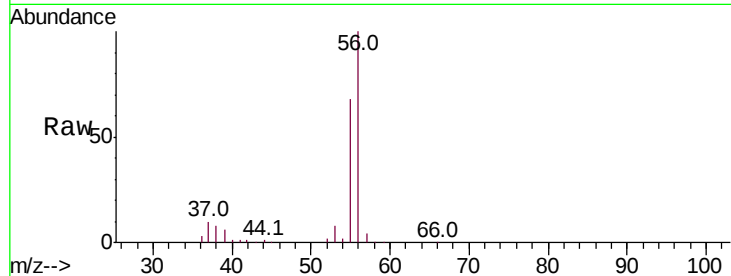
#13
Acrolein
Concen: 114.035 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	56	Resp	52275
Ion Ratio	100	Lower	Upper
55	70.8	56.6	85.0

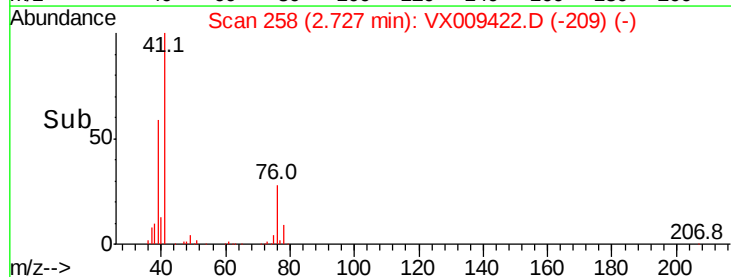
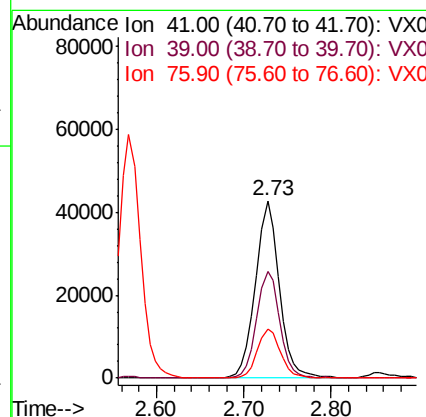
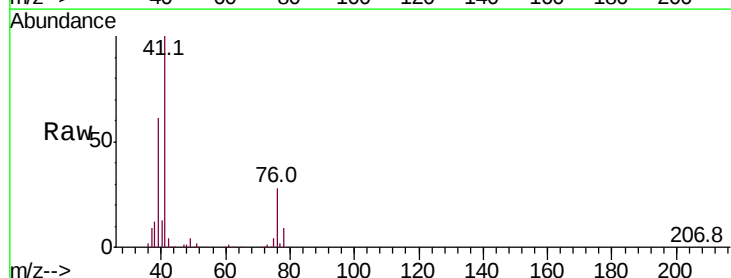
Manual Integrations
APPROVED

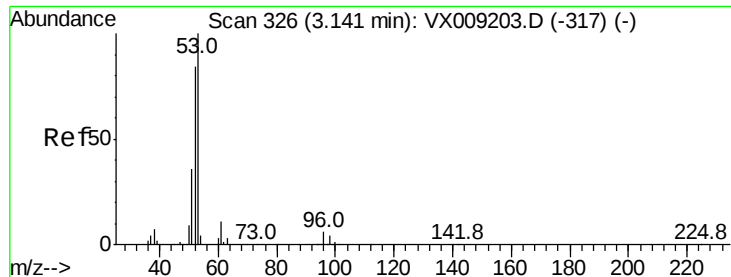
MMDadoda
5/10/2019 1:11:56 PM



#14
Allyl chloride
Concen: 22.280 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion	41	Resp	81609
Ion Ratio	100	Lower	Upper
39	58.7	46.7	70.1
76	27.0	21.8	32.8





#15

Acrylonitrile

Concen: 111.988 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

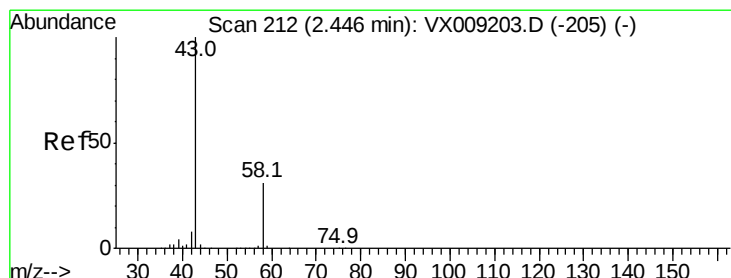
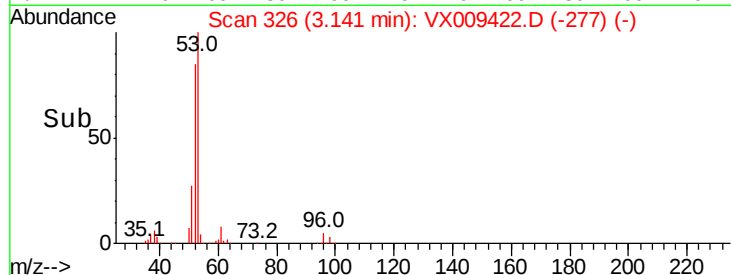
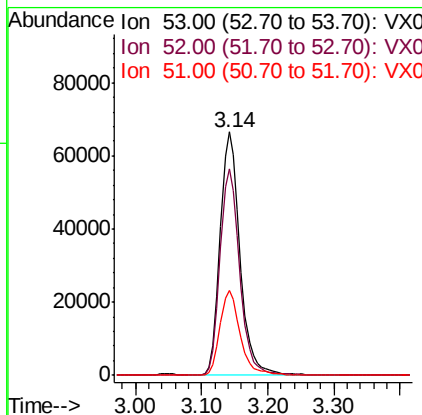
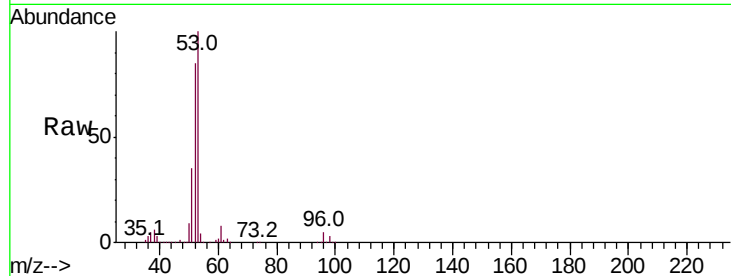
ClientSampleId :

VX0509WBSD01

Tot Ion:	53	Resp:	138602
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.9	100.3
51	35.3	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



#16

Acetone

Concen: 110.076 ug/l

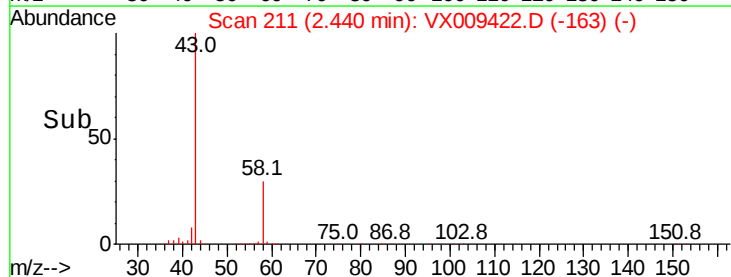
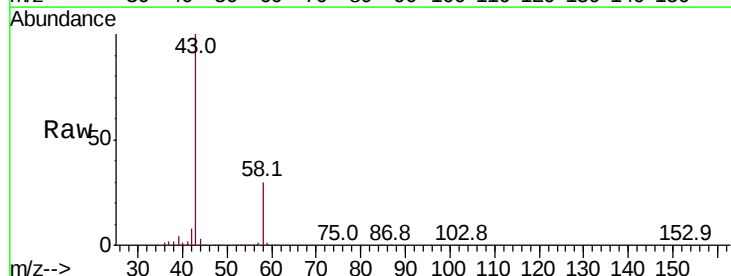
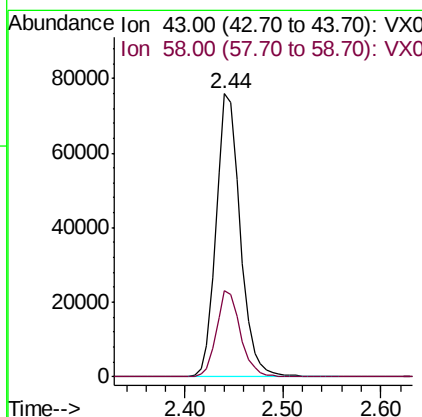
RT: 2.44 min Scan# 211

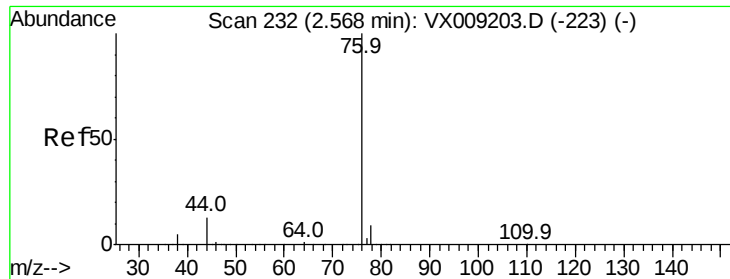
Delta R.T. -0.01 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Tgt Ion:	43	Resp:	129252
Ion Ratio	Lower	Upper	
43	100		
58	30.3	24.9	37.3





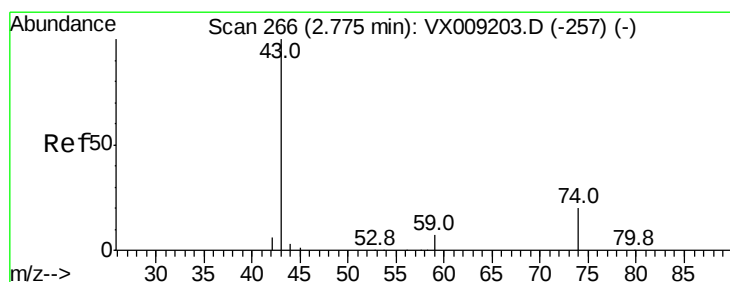
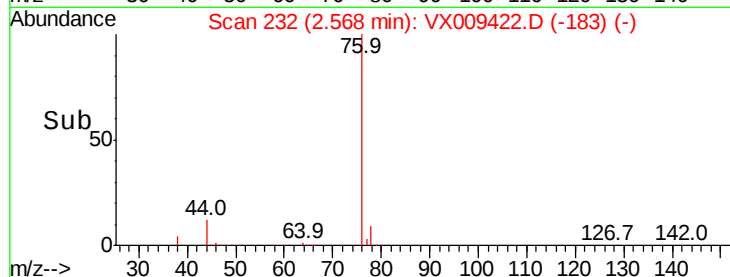
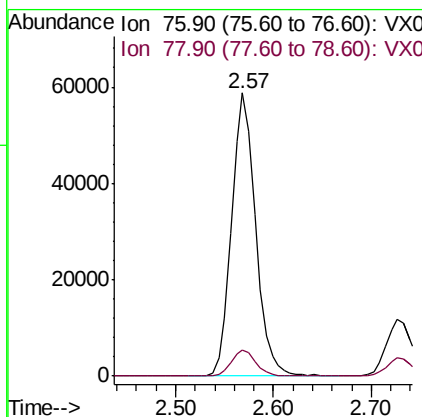
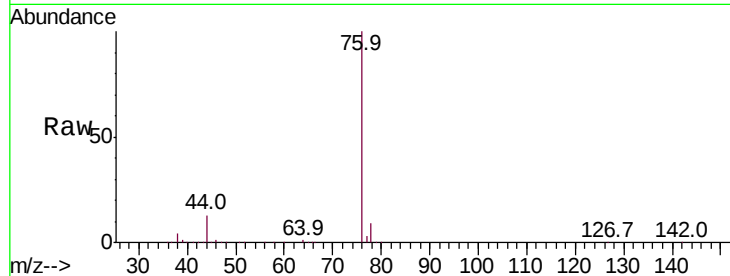
#17
Carbon Disulfide
Concen: 23.764 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion: 76 Resp: 100280
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

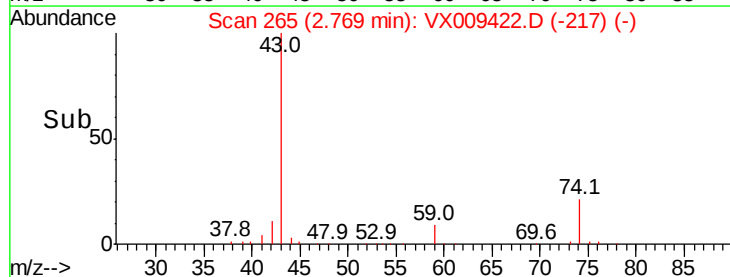
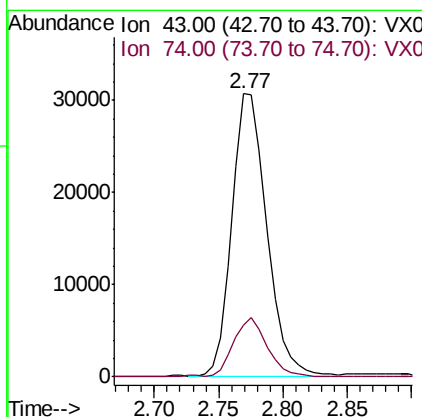
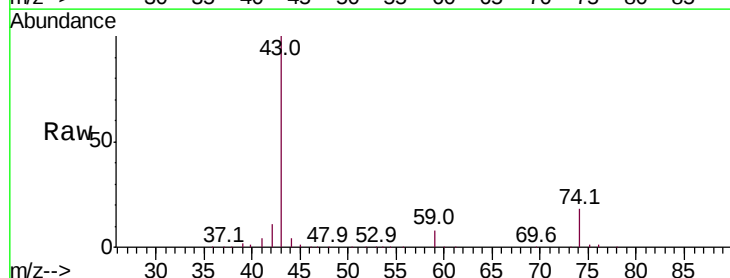
Manual Integrations
APPROVED

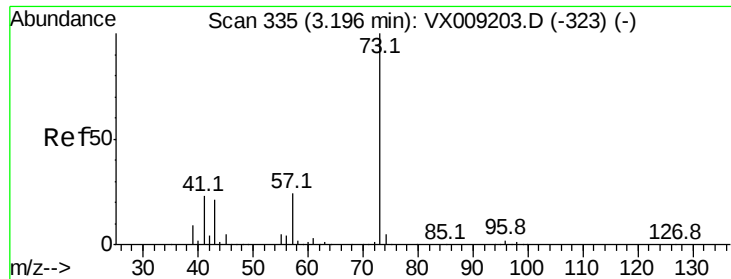
MMDadoda
5/10/2019 1:11:56 PM



#18
Methyl Acetate
Concen: 20.768 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion: 43 Resp: 57994
Ion Ratio Lower Upper
43 100
74 20.9 16.2 24.4





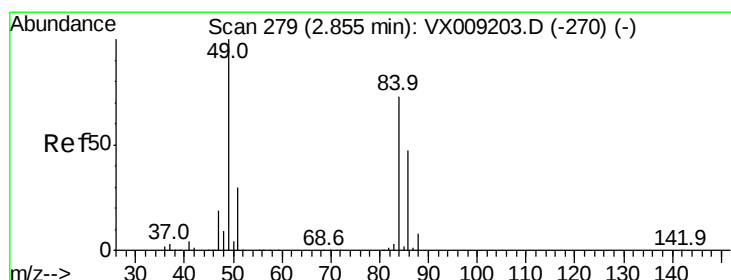
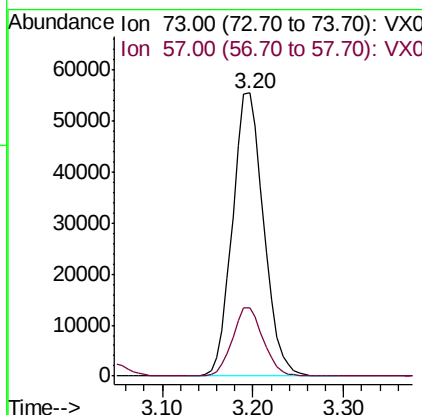
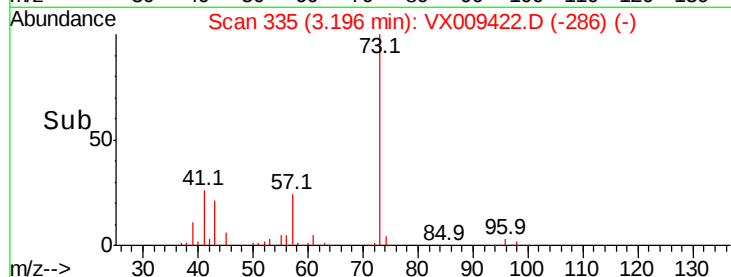
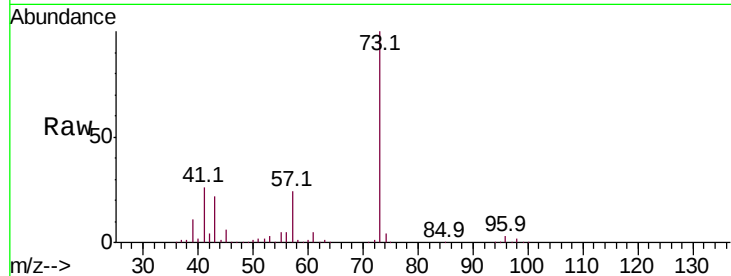
#19
Methvl tert-butvl Ether
Concen: 22.714 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.3	28.9

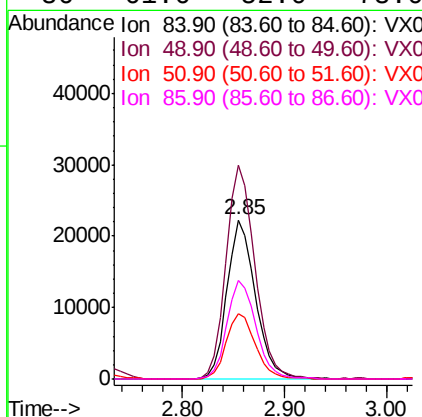
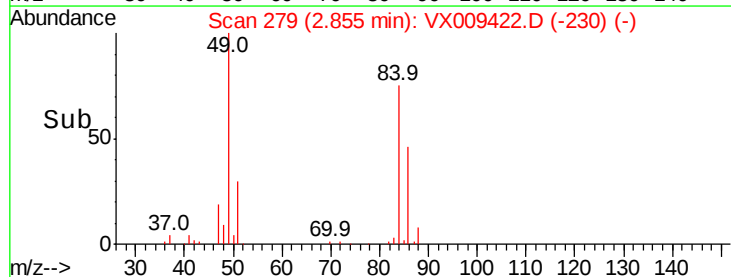
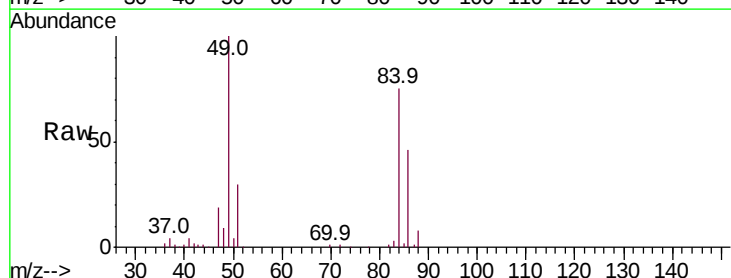
Manual Integrations
APPROVED

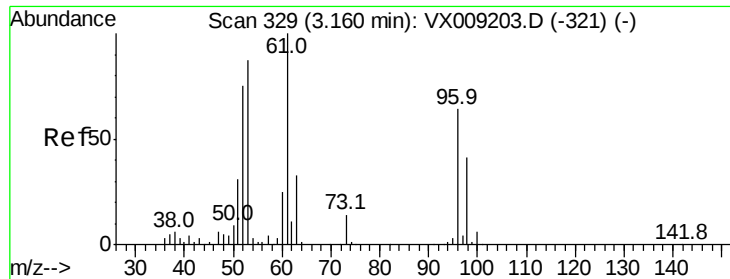
MMDadoda
5/10/2019 1:11:56 PM



#20
Methylene Chloride
Concen: 22.590 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.0	109.9	164.9
51	40.6	32.7	49.1
86	61.6	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 23.381 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

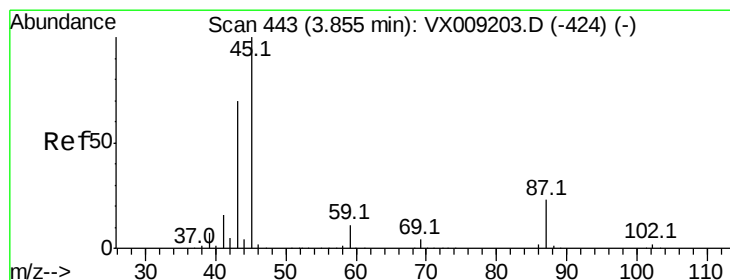
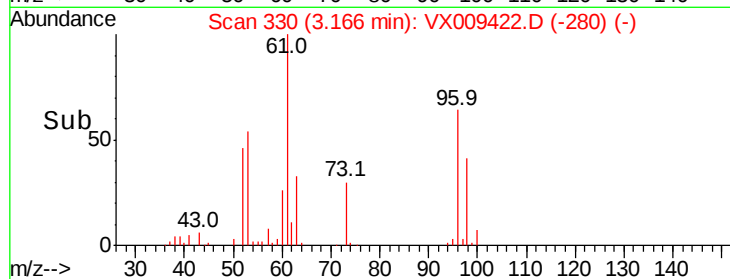
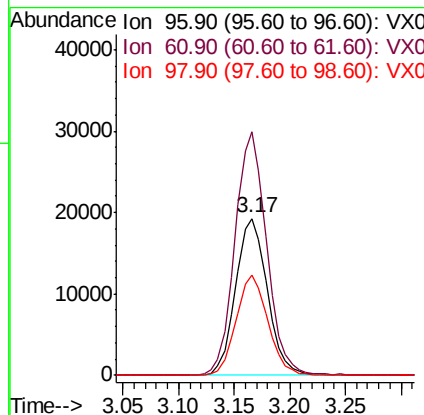
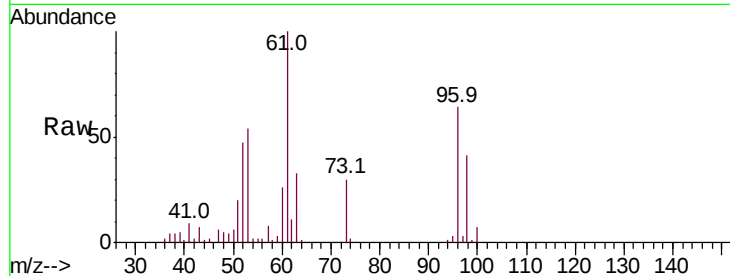
ClientSampleId :

VX0509WBSD01

Tot Ion:	96	Resp:	38112
Ion	Ratio	Lower	Upper
96	100		
61	155.5	124.5	186.7
98	64.0	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



#22

Diisopropyl ether

Concen: 22.685 ug/l

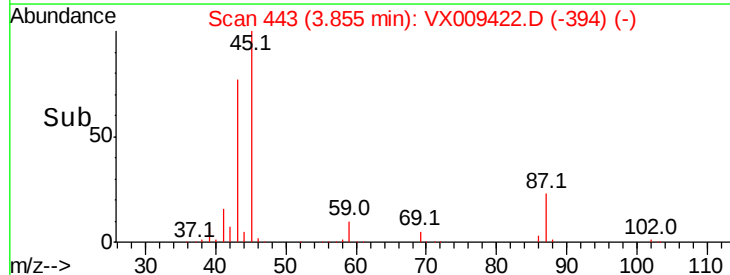
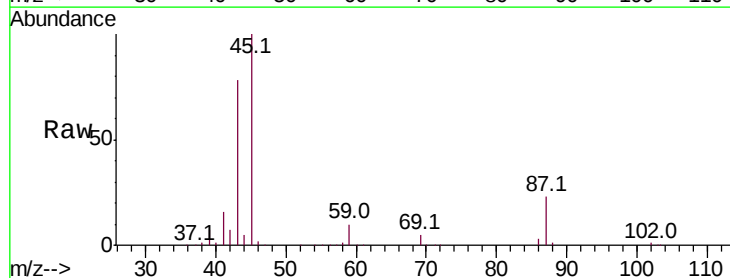
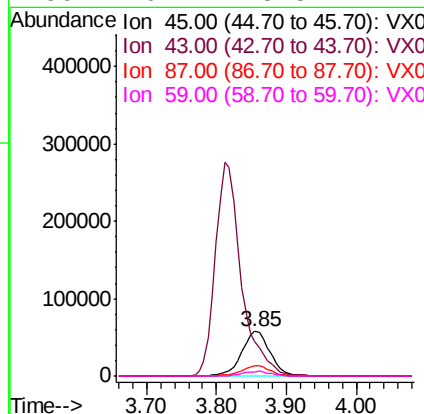
RT: 3.85 min Scan# 443

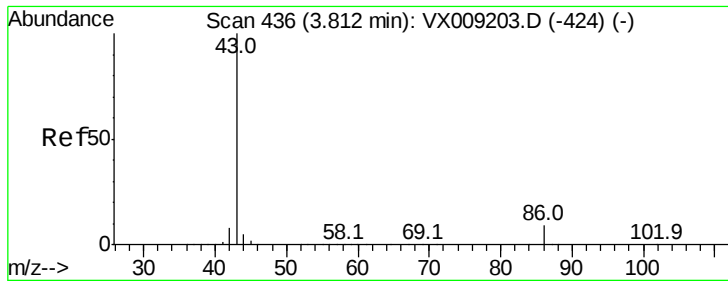
Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Tgt Ion:	45	Resp:	159798
Ion	Ratio	Lower	Upper
45	100		
43	77.2	56.1	84.1
87	22.8	18.1	27.1
59	10.1	8.5	12.7





#23

Vinyl Acetate

Concen: 118.389 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 43 Resp: 714118

Ion Ratio Lower Upper

43 100

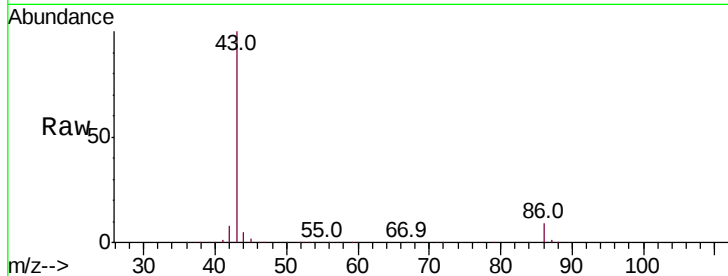
86 8.5 6.9 10.3

Manual Integrations

APPROVED

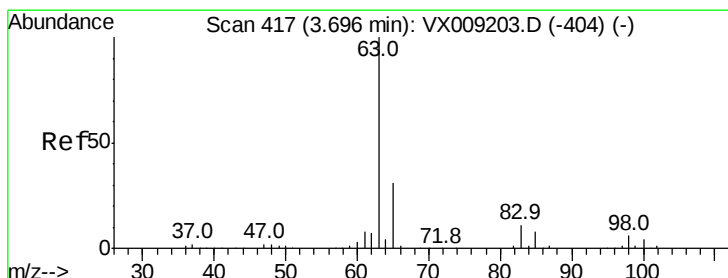
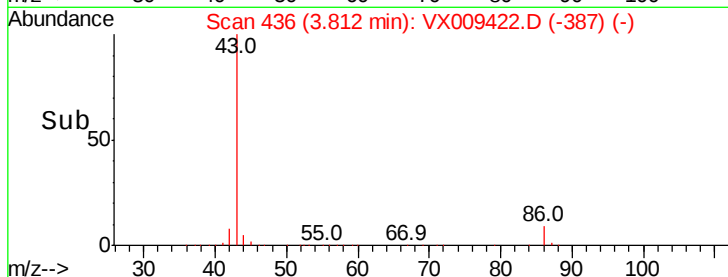
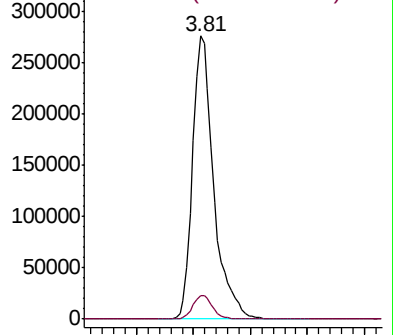
MMDadoda

5/10/2019 1:11:56 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 22.402 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

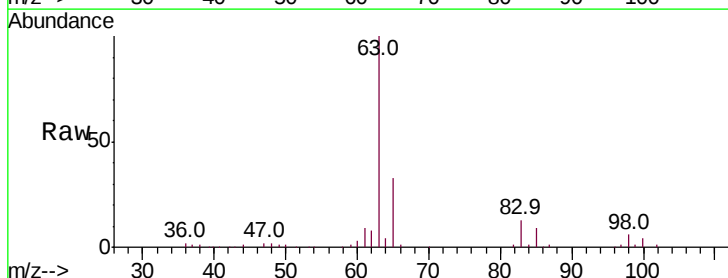
Tgt Ion: 63 Resp: 77847

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

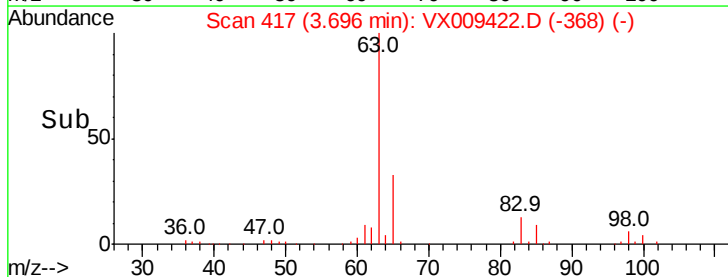
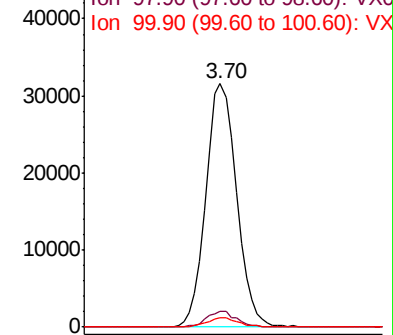
100 3.8 2.0 6.0

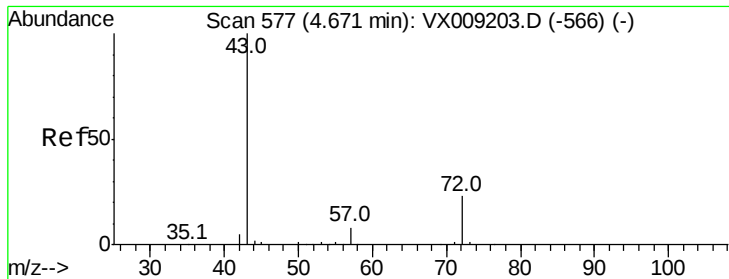


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 113.381 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 43 Resp: 206883

Ion Ratio Lower Upper

43 100

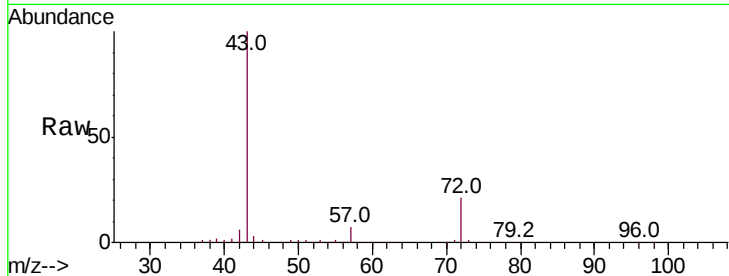
72 21.2 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:11:56 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

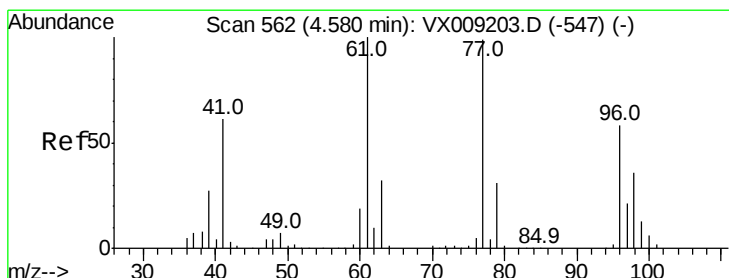
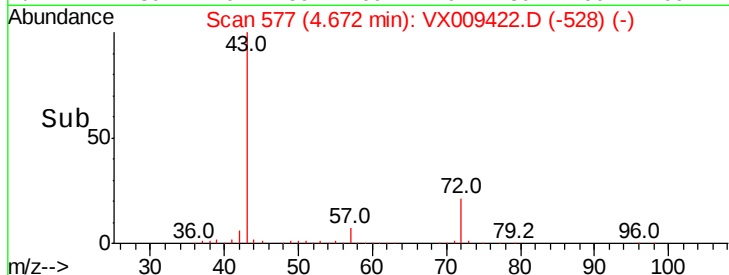
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 21.758 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009422.D

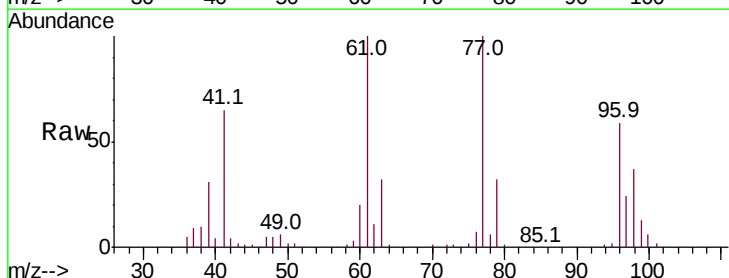
Acq: 09 May 2019 13:04

Tgt Ion: 77 Resp: 56279

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

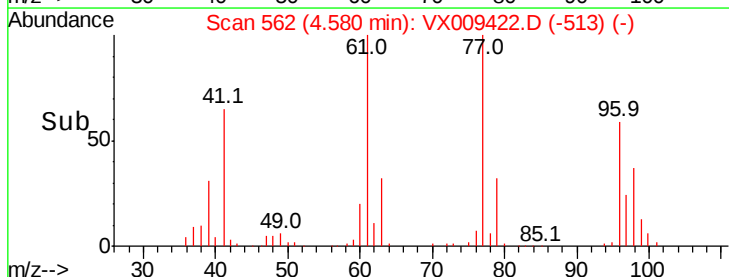
10000

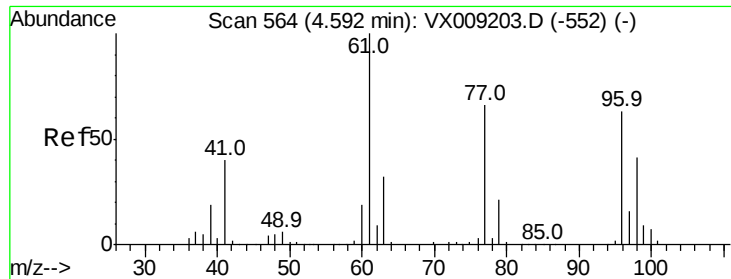
5000

0

4.50 4.60 4.70

Time-->





#27

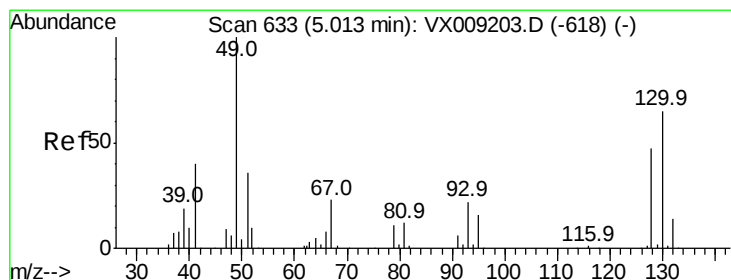
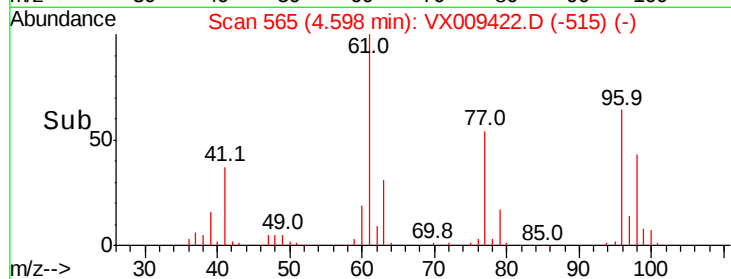
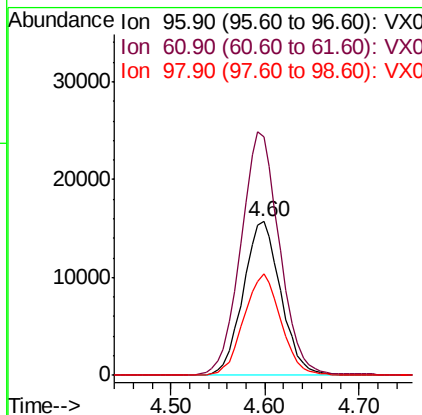
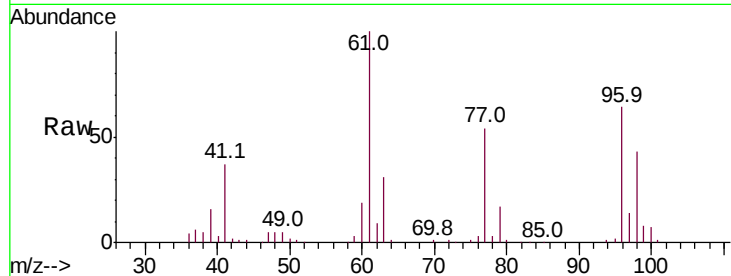
cis-1,2-Dichloroethene
 Concen: 22.640 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.3	0.0	324.0
98	65.5	0.0	130.4

Manual Integrations
 APPROVED

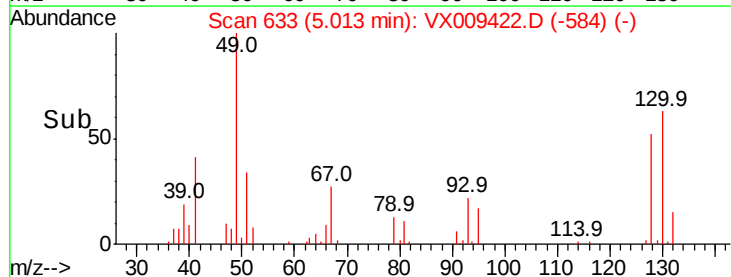
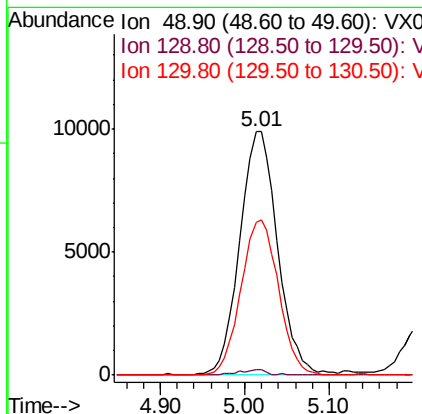
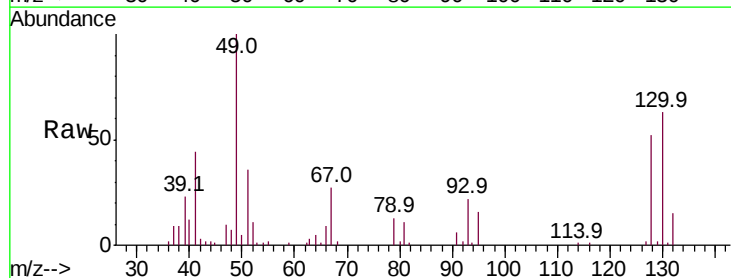
MMDadoda
 5/10/2019 1:11:56 PM

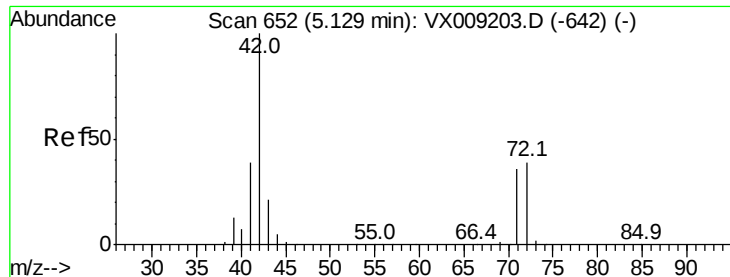


#28

Bromochloromethane
 Concen: 19.910 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	63.1	51.2	76.8





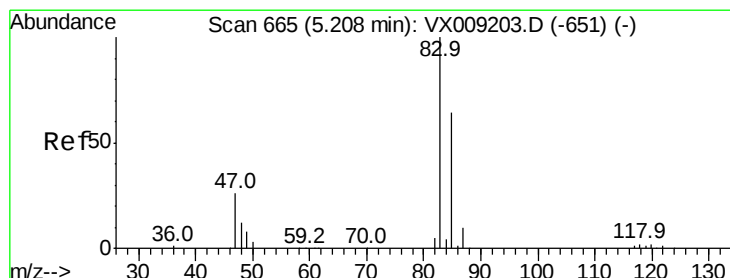
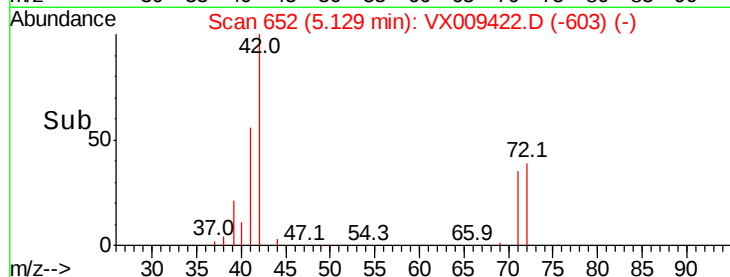
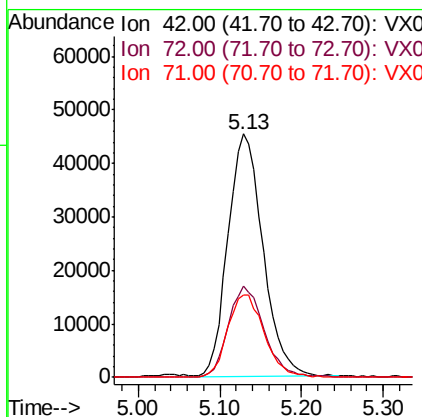
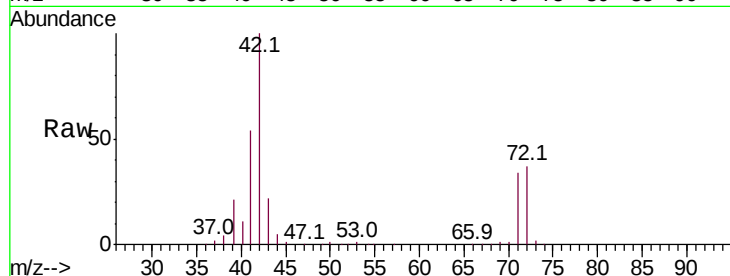
#29
Tetrahydrofuran
Concen: 115.212 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.4	45.6
71	35.5	28.6	43.0

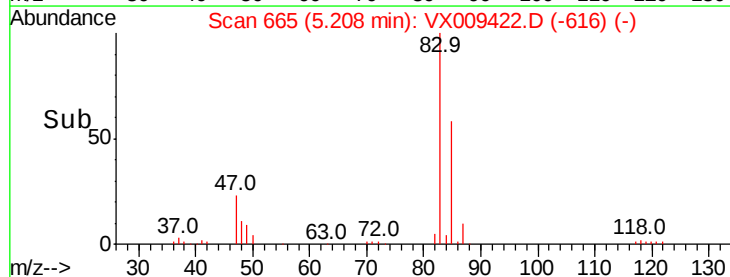
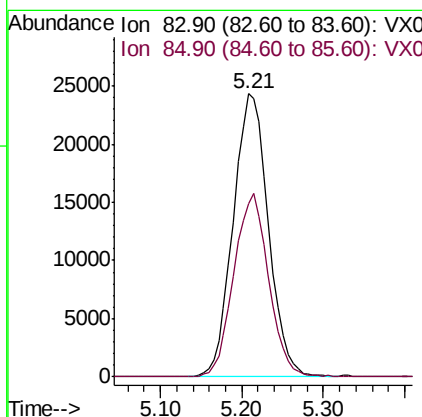
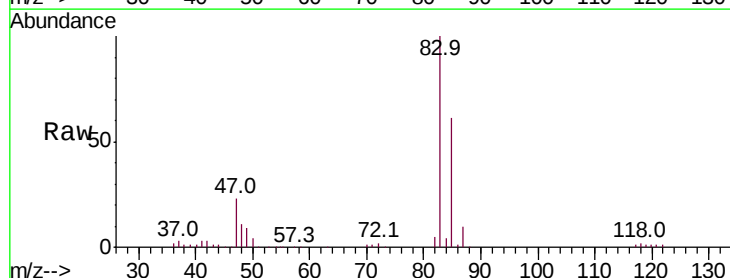
Manual Integrations
APPROVED

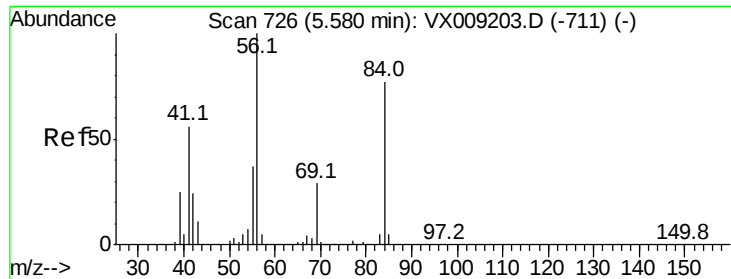
MMDadoda
5/10/2019 1:11:56 PM



#30
Chloroform
Concen: 23.162 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.5	77.3





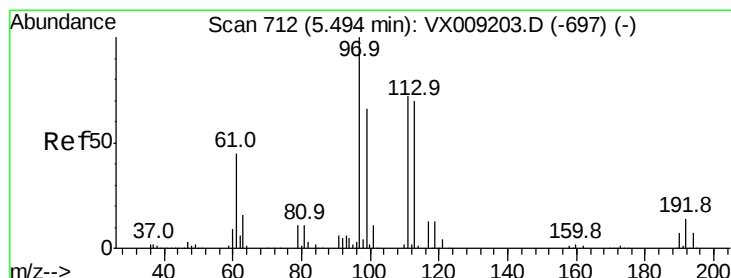
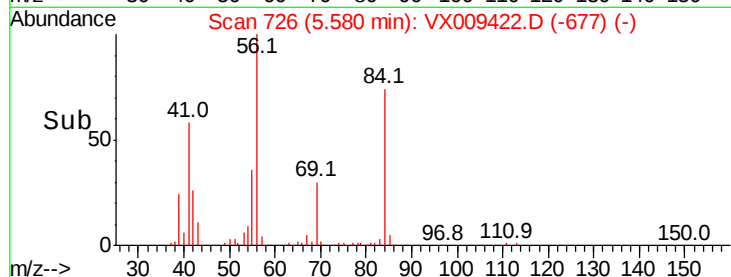
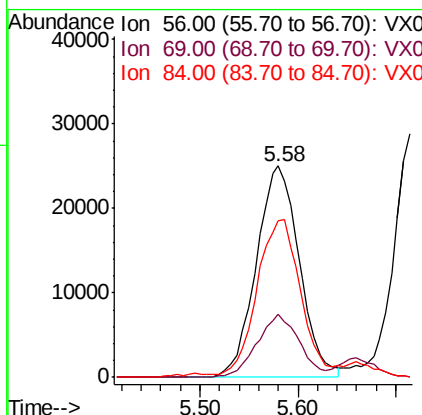
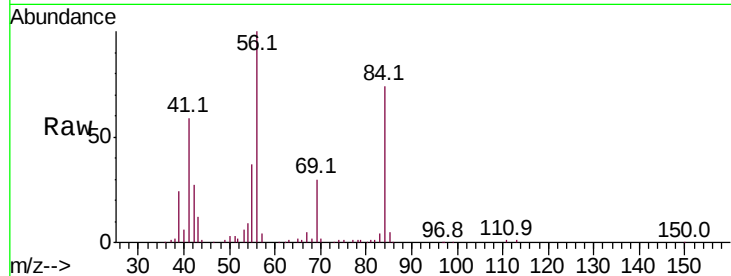
#31
Cyclohexane
Concen: 23.668 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.4	35.0
84	72.7	61.9	92.9

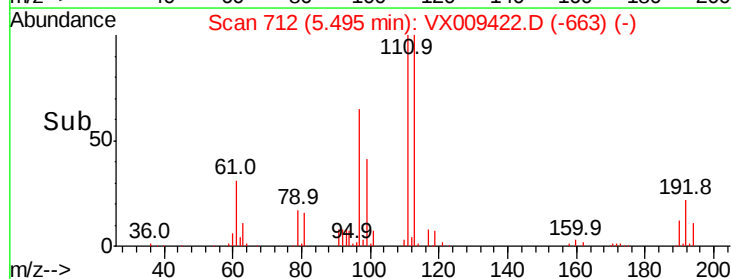
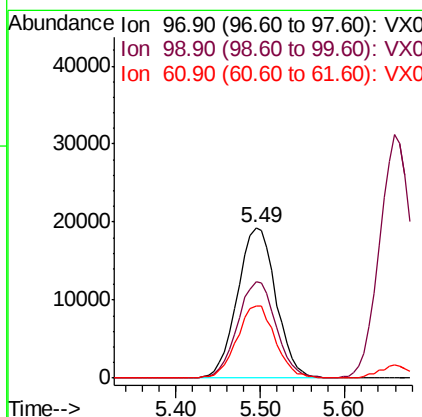
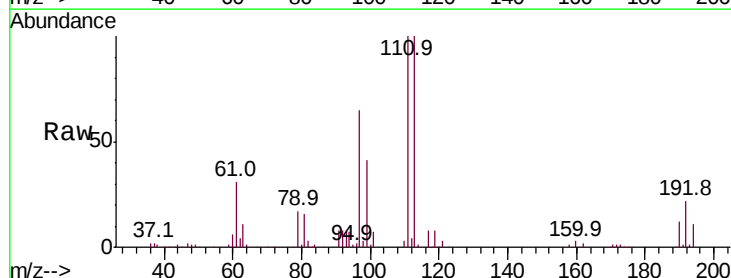
Manual Integrations
APPROVED

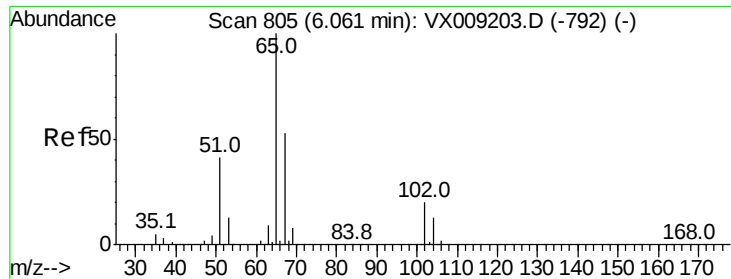
MMDadoda
5/10/2019 1:11:56 PM



#32
1,1,1-Trichloroethane
Concen: 22.807 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	47.8	37.8	56.8





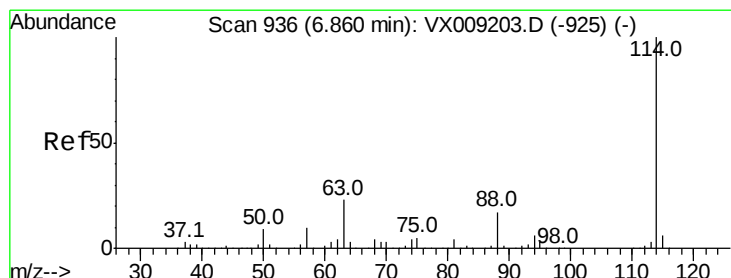
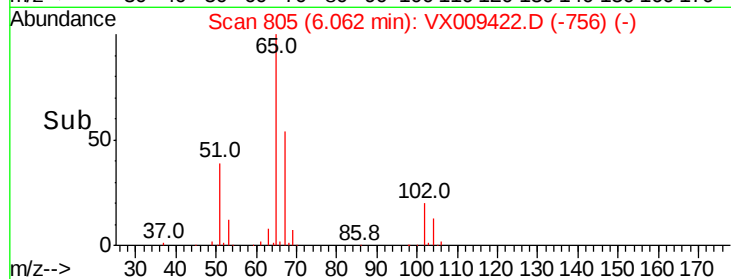
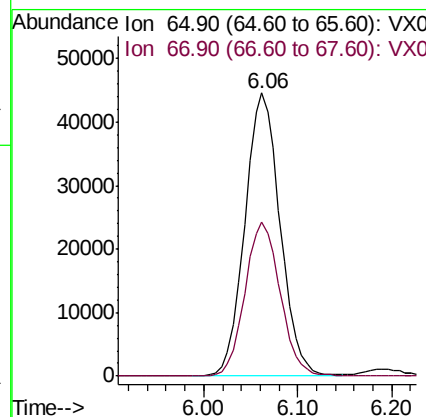
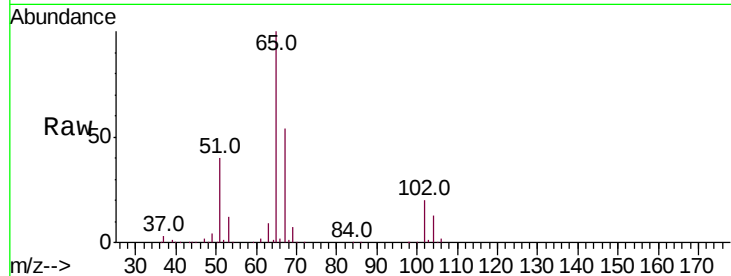
#33
 1,2-Dichloroethane-d4
 Concen: 53.425 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	106.6	

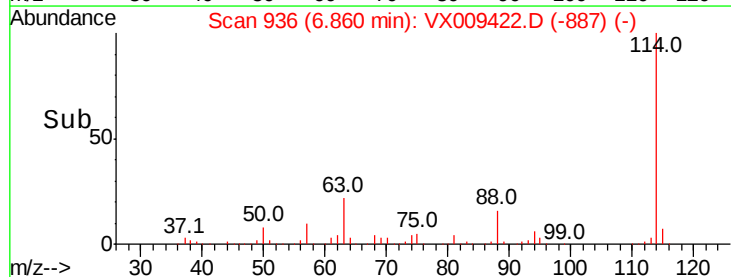
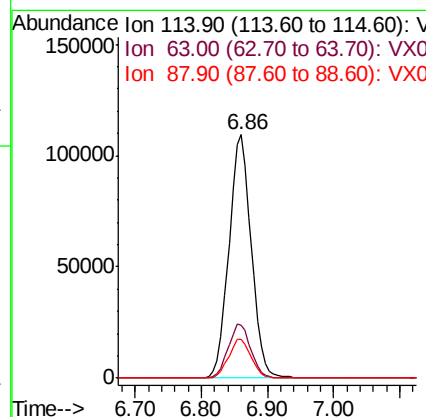
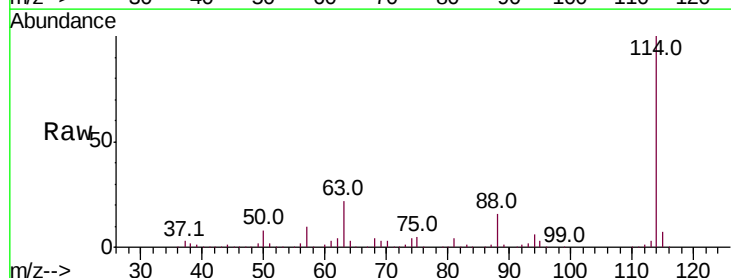
Manual Integrations
 APPROVED

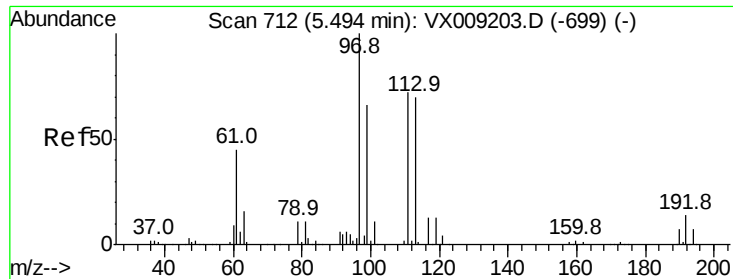
MMDadoda
 5/10/2019 1:11:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	45.6	
88	16.1	0.0	33.2	





#35

Dibromofluoromethane

Concen: 53.792 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

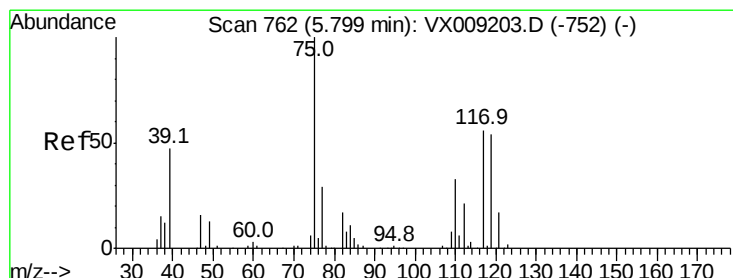
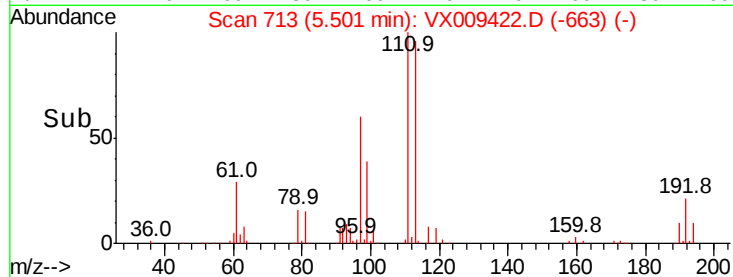
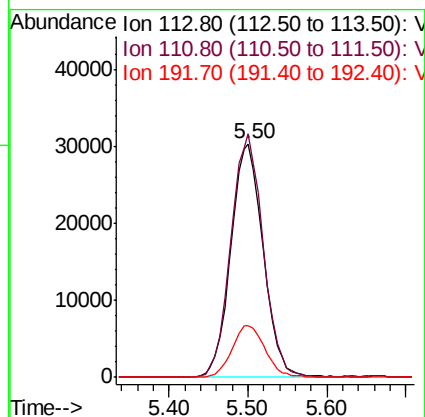
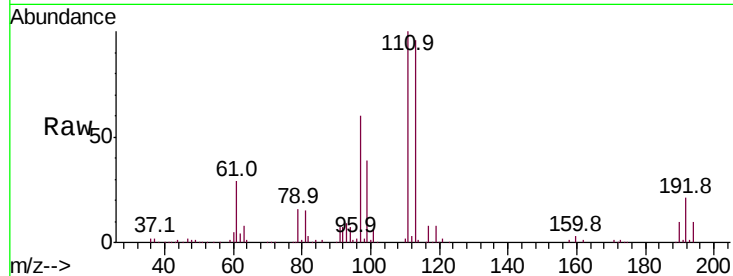
ClientSampleId :

VX0509WBSD01

Tot Ion:	113	Resp:	86576
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.8	124.2
192	22.7	17.0	25.6

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



#36

1,1-Dichloropropene

Concen: 22.969 ug/l

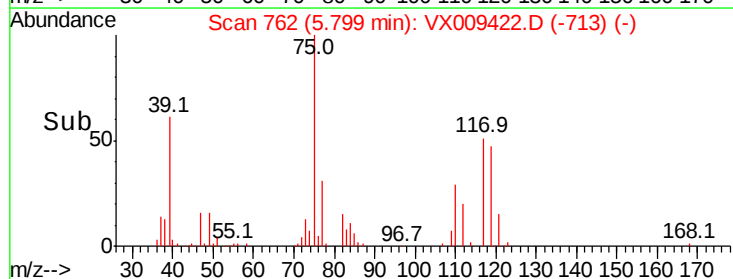
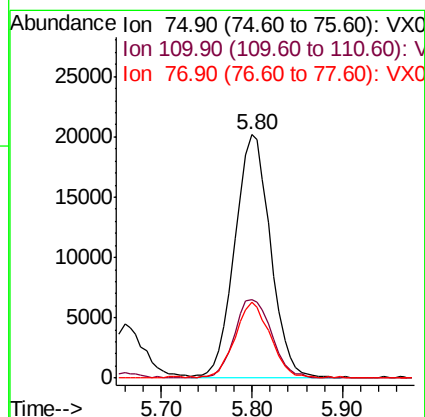
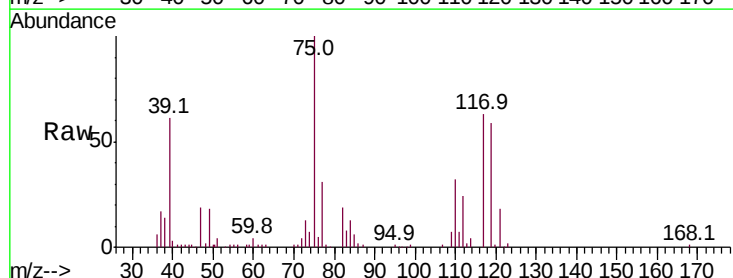
RT: 5.80 min Scan# 762

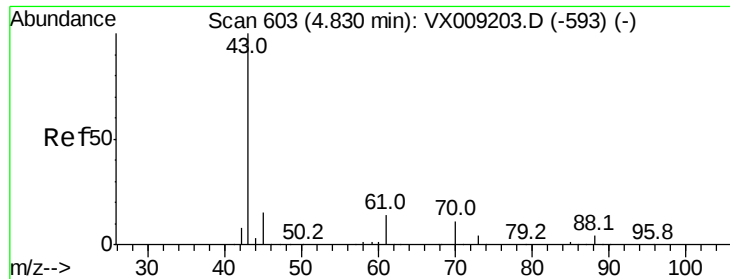
Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Tgt Ion:	75	Resp:	54649
Ion Ratio	Lower	Upper	
75	100		
110	34.2	16.9	50.6
77	30.3	24.8	37.2





#37

Ethyl Acetate

Concen: 23.128 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

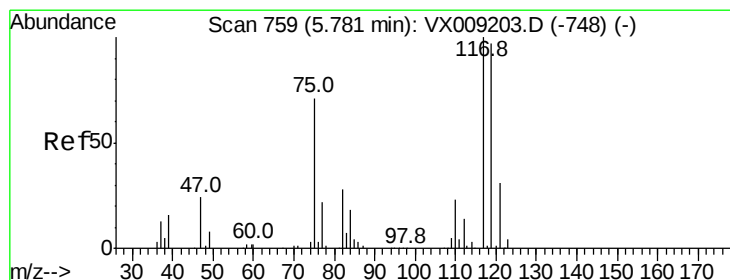
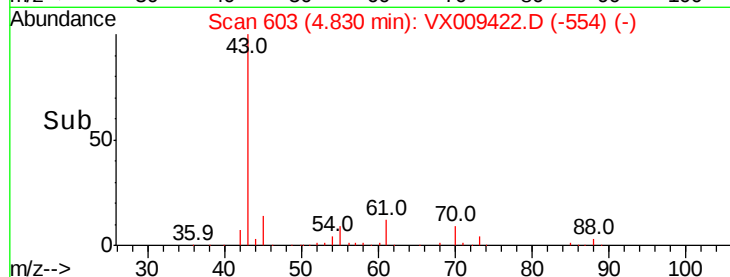
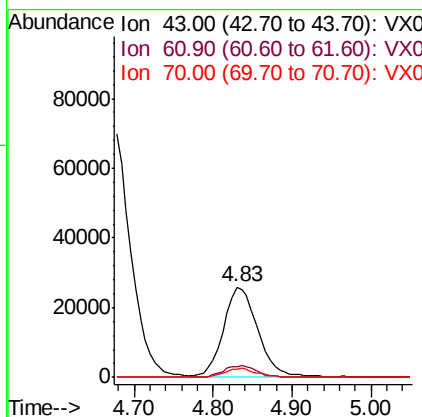
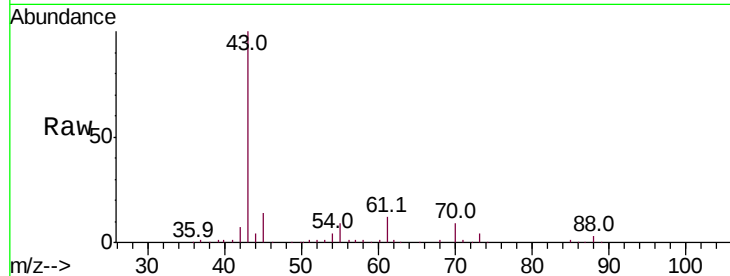
ClientSampleId :

VX0509WBSD01

Tot Ion:	43	Resp:	76668
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.5	7.9	11.9

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



#38

Carbon Tetrachloride

Concen: 22.907 ug/l

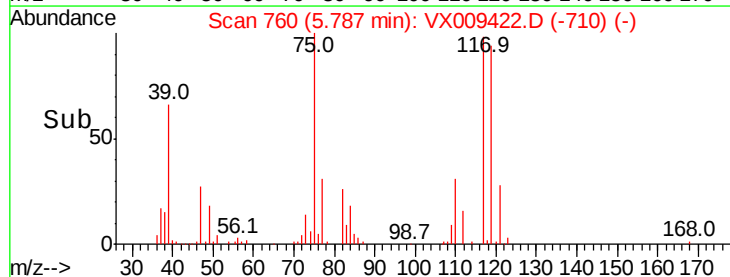
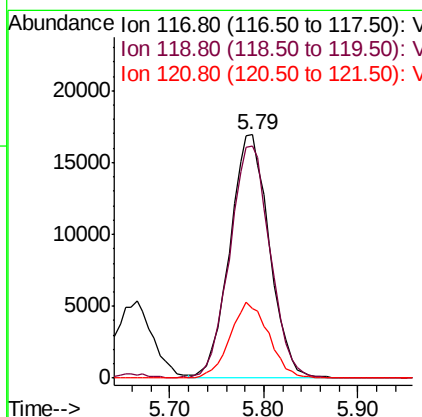
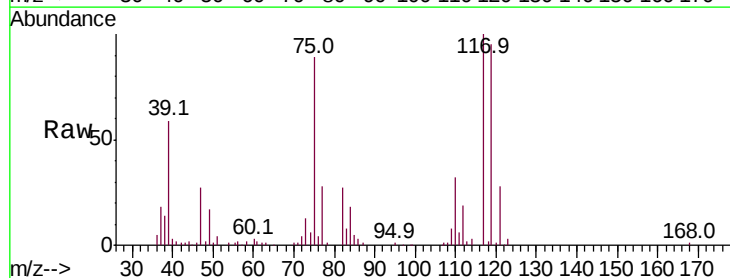
RT: 5.79 min Scan# 760

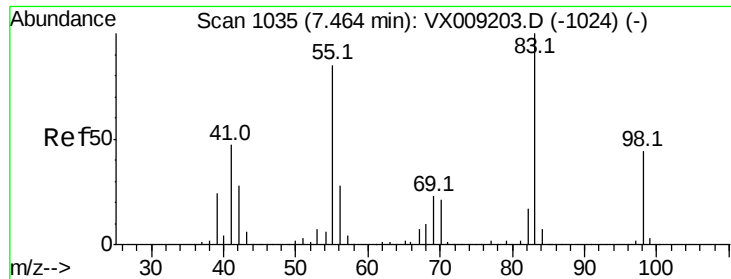
Delta R.T. 0.01 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Tgt Ion:	117	Resp:	49518
Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.5	116.3
121	28.5	24.7	37.1





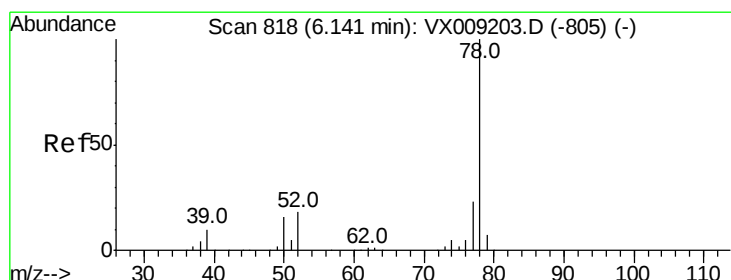
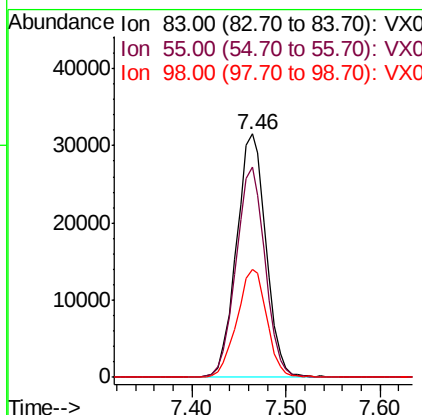
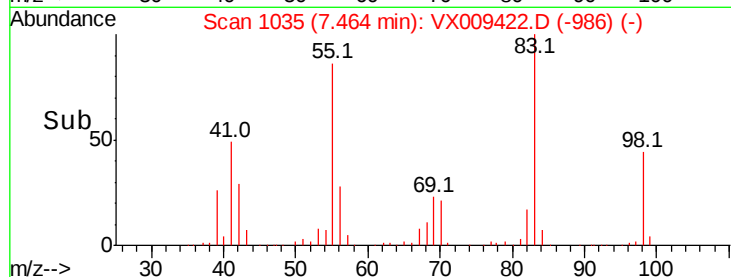
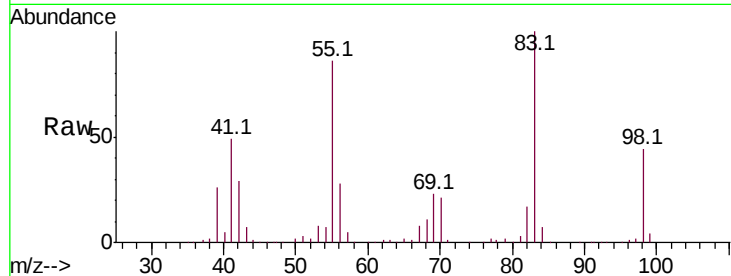
#39
Methvlcvclohexane
Concen: 23.581 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	83	Resp	68902
Ion Ratio	100	Lower	Upper
83	100		
55	86.3	67.7	101.5
98	44.1	35.5	53.3

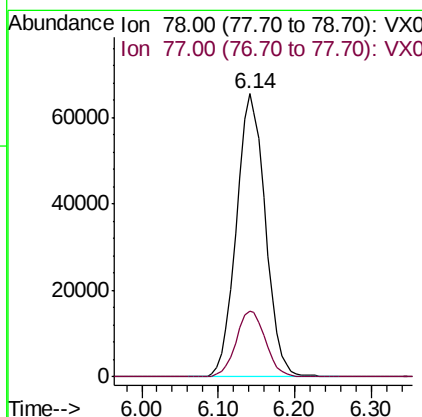
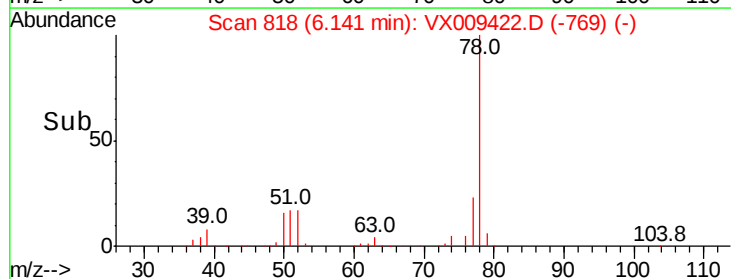
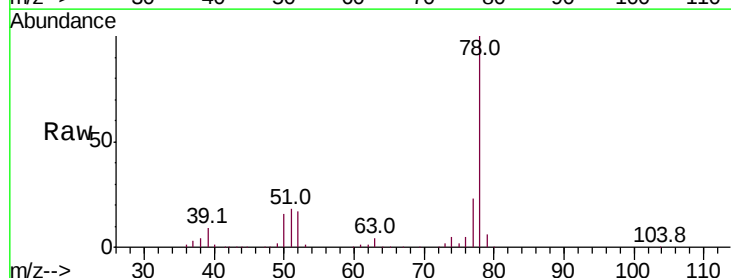
Manual Integrations
APPROVED

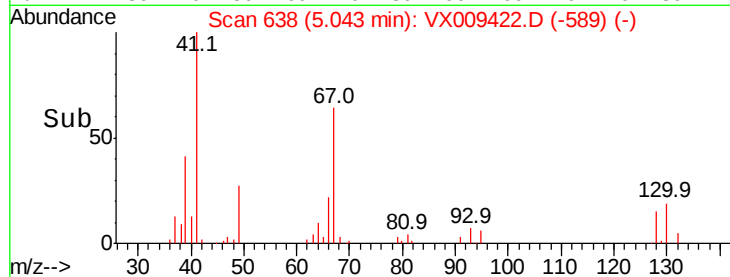
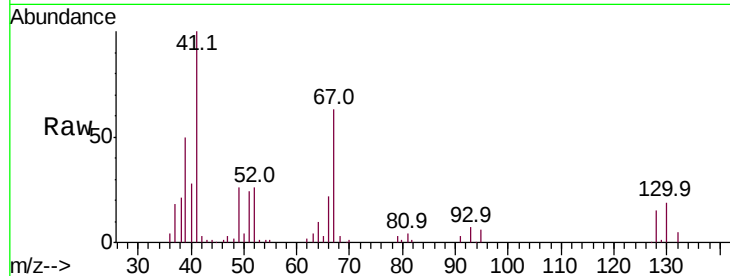
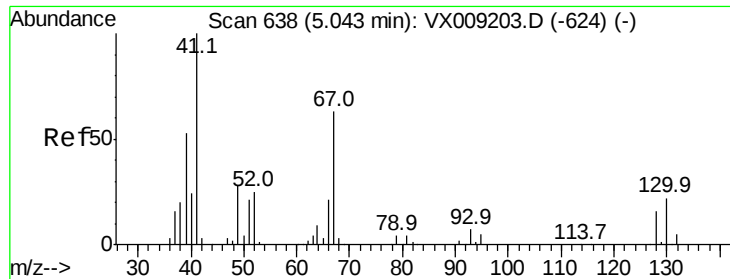
MMDadoda
5/10/2019 1:11:56 PM



#40
Benzene
Concen: 23.385 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion	78	Resp	172191
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 21.952 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Tot Ion:	41	Resp:	43318
Ion Ratio	Lower	Upper	
41	100		
39	52.4	42.0	63.0
67	64.4	49.8	74.8
52	25.6	20.3	30.5

Instrument :

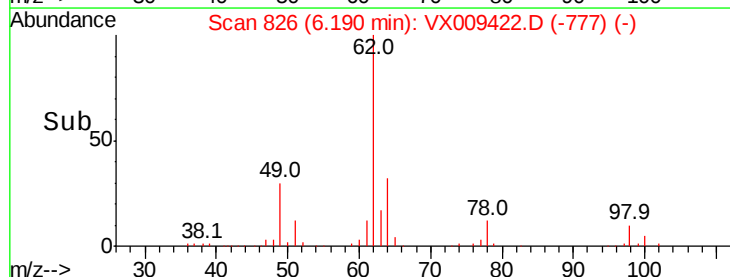
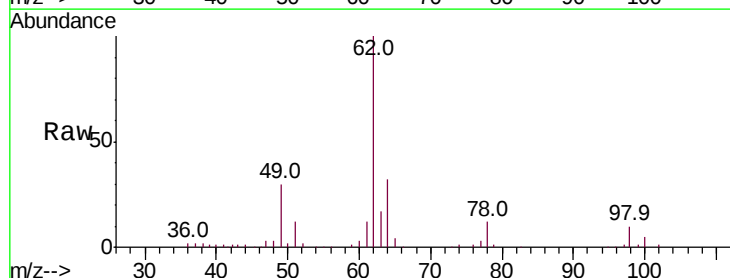
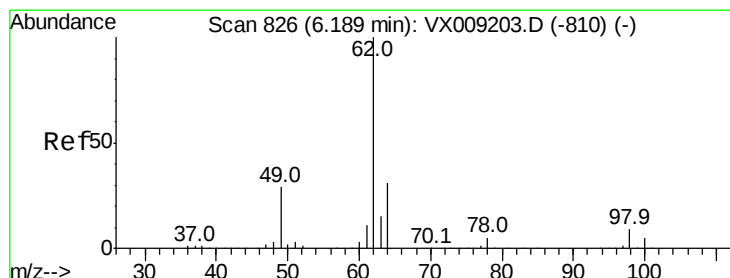
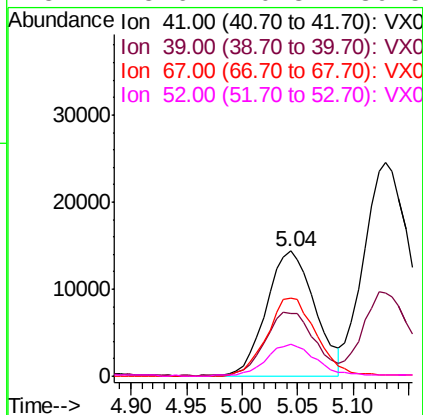
MSVOA_X

ClientSampleId :

VX0509WBSD01

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



#42

1,2-Dichloroethane

Concen: 23.386 ug/l

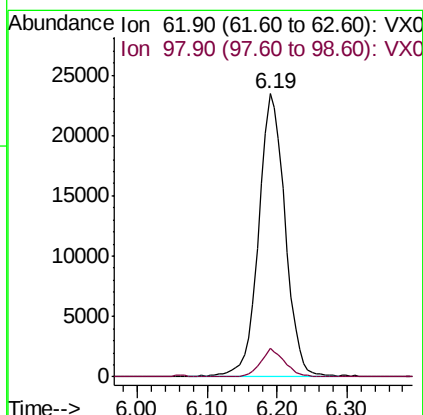
RT: 6.19 min Scan# 826

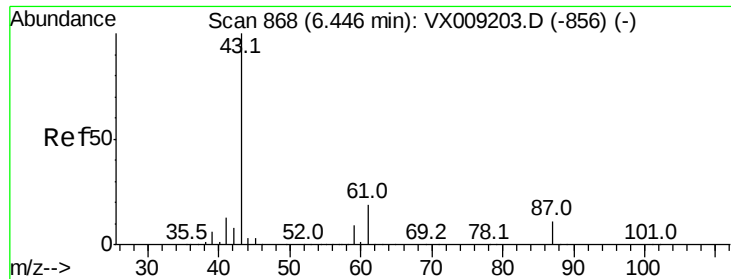
Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Tgt Ion:	62	Resp:	61771
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 22.537 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

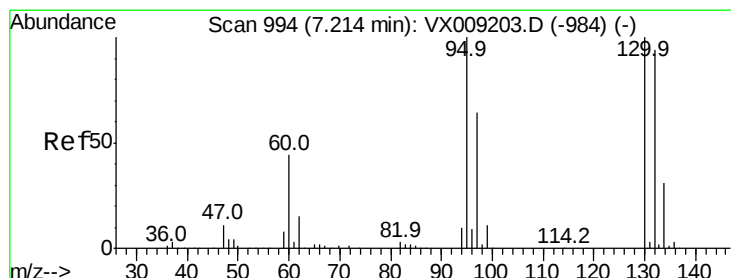
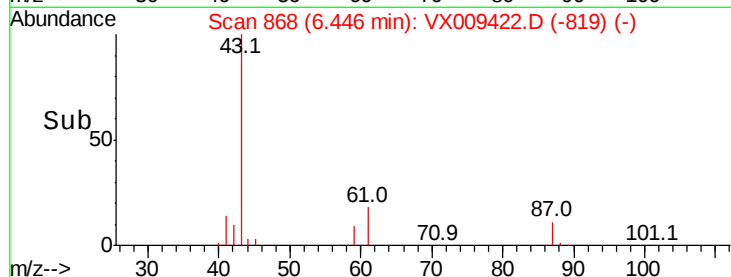
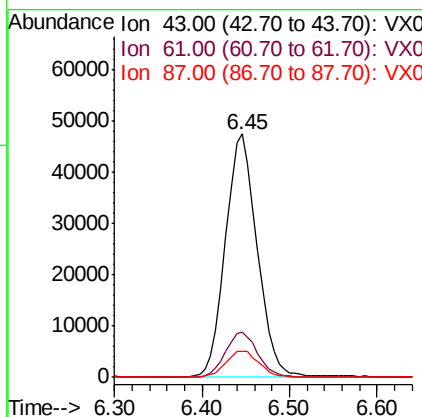
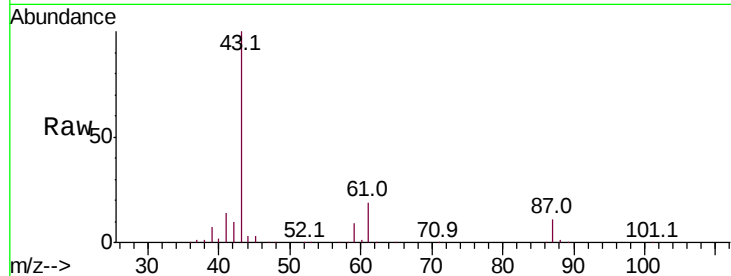
ClientSampleId :

VX0509WBSD01

Tot Ion:	43	Resp:	119502
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	11.3	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



#44

Trichloroethene

Concen: 22.872 ug/l

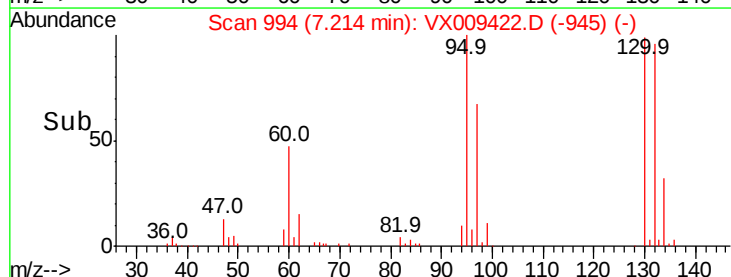
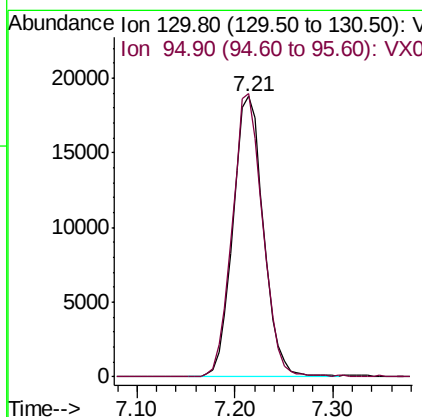
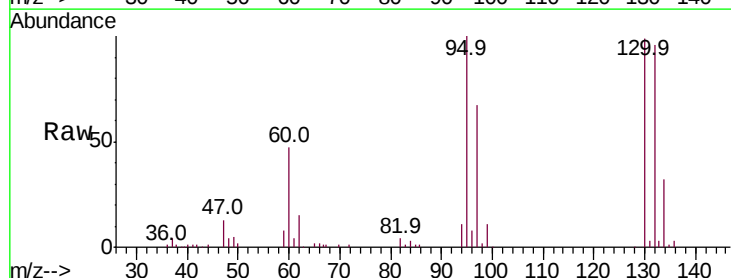
RT: 7.21 min Scan# 994

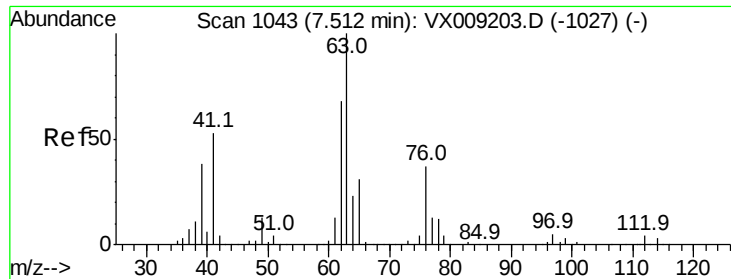
Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Tgt Ion:	130	Resp:	40714
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	199.2





#45

1,2-Dichloropropane

Concen: 23.088 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampled :

VX0509WBSD01

Tot Ion: 63 Resp: 48139

Ion Ratio Lower Upper

63 100

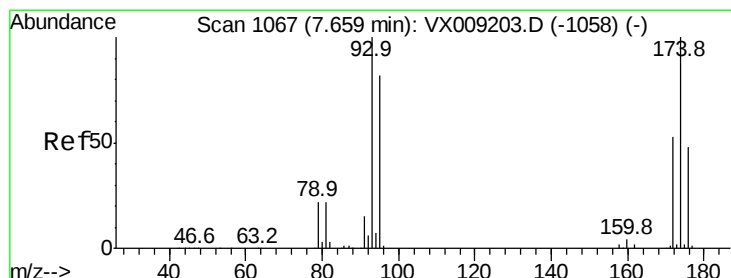
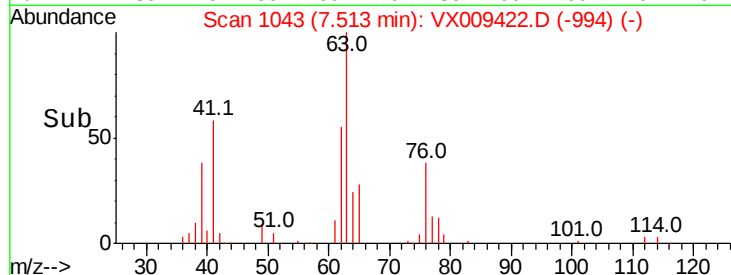
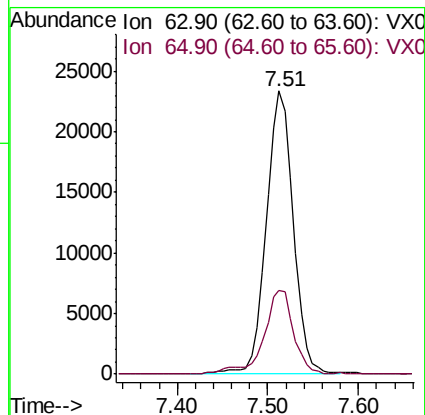
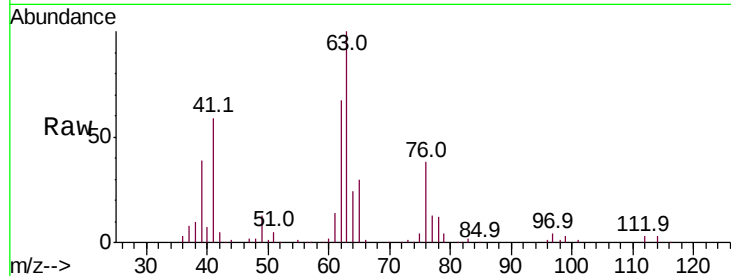
65 29.7 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:11:56 PM



#46

Dibromomethane

Concen: 22.496 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

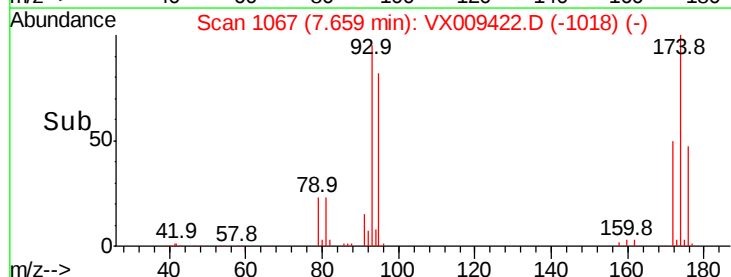
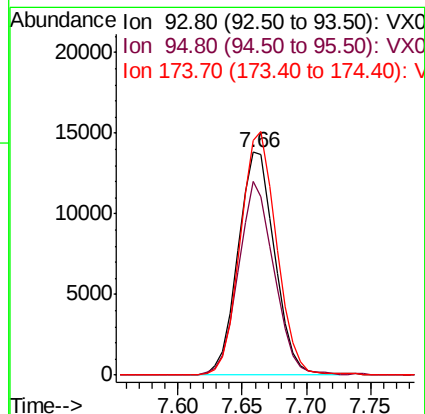
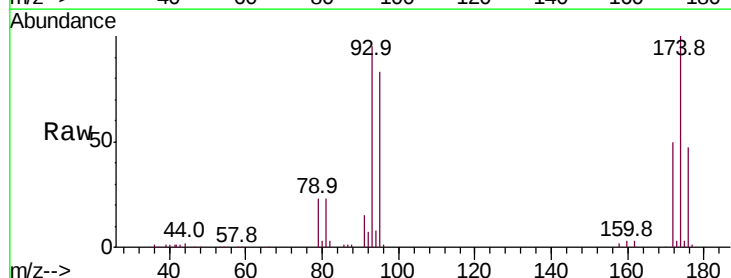
Tgt Ion: 93 Resp: 27237

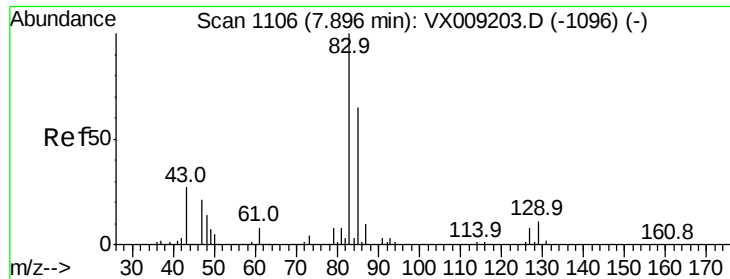
Ion Ratio Lower Upper

93 100

95 84.2 66.5 99.7

174 107.8 82.1 123.1





#47

Bromodichloromethane

Concen: 22.702 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

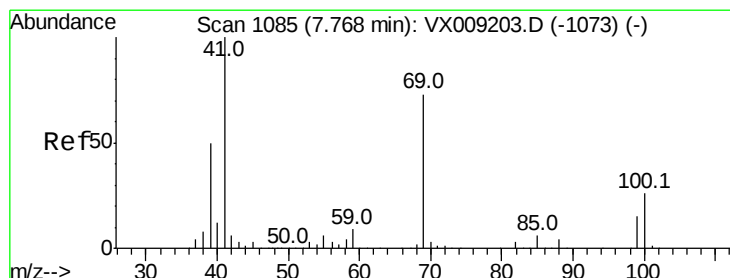
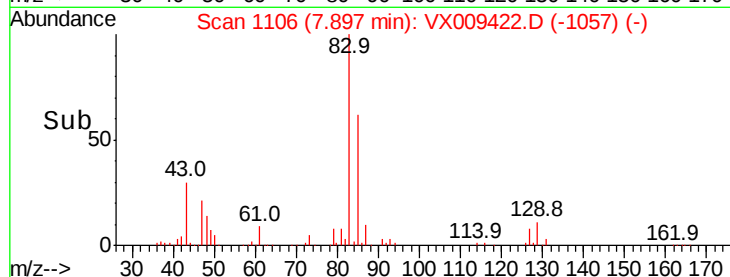
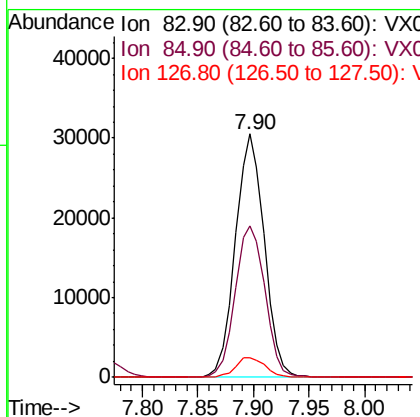
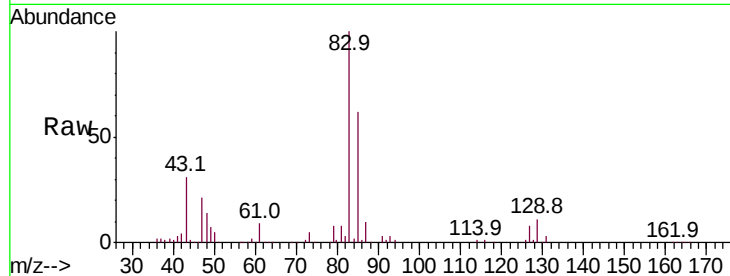
ClientSampleId :

VX0509WBSD01

Tot Ion:	83	Resp:	54829
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.4	78.6
127	8.3	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



#48

Methyl methacrylate

Concen: 22.899 ug/l

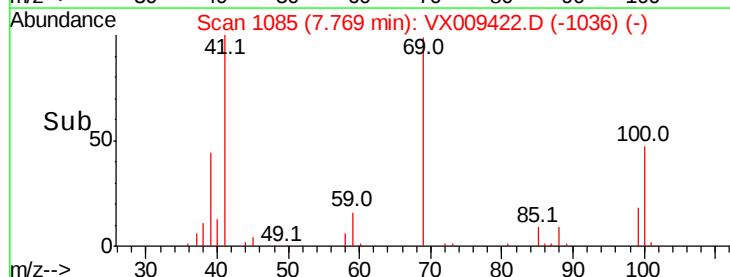
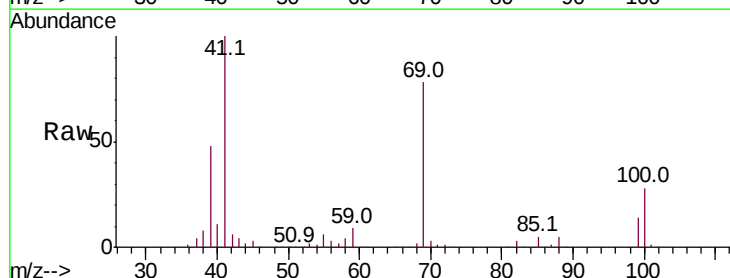
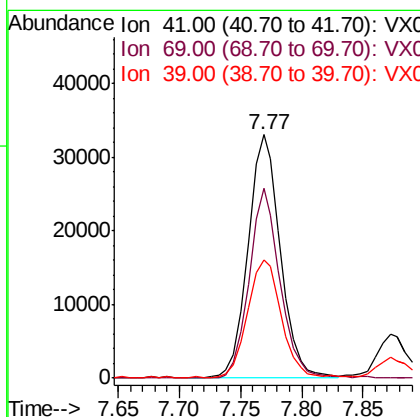
RT: 7.77 min Scan# 1085

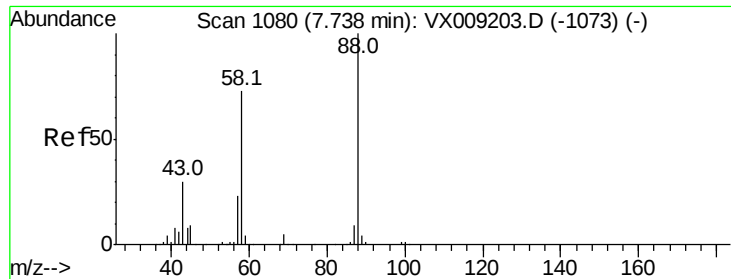
Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Tgt Ion:	41	Resp:	60239
Ion	Ratio	Lower	Upper
41	100		
69	75.4	59.1	88.7
39	50.8	40.4	60.6





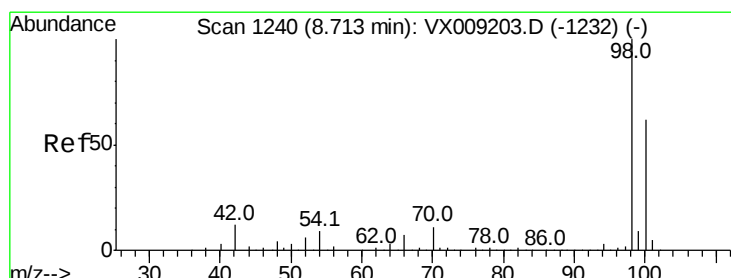
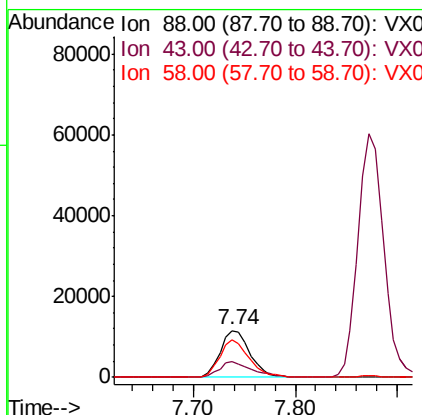
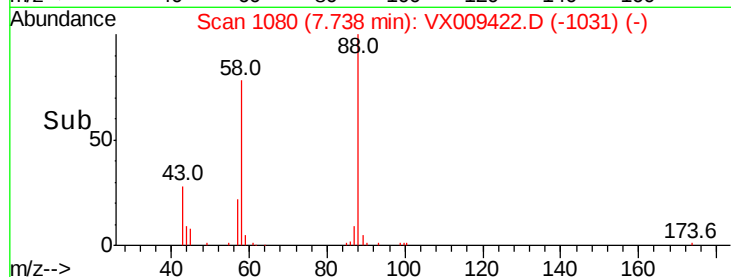
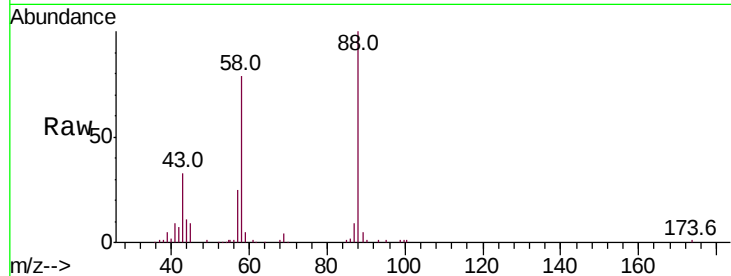
#49
1,4-Dioxane
Concen: 449.373 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.6	42.8
58	78.9	61.7	92.5

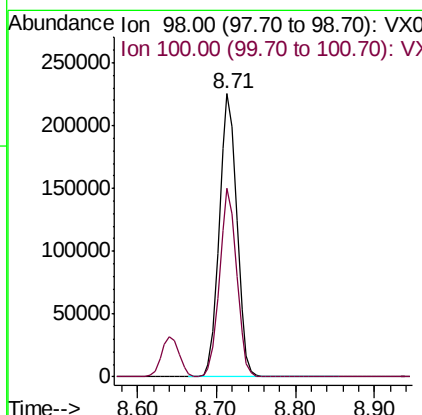
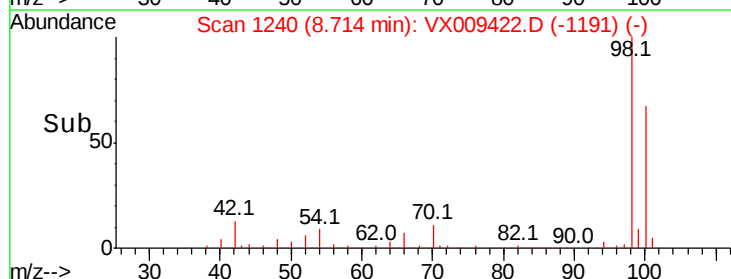
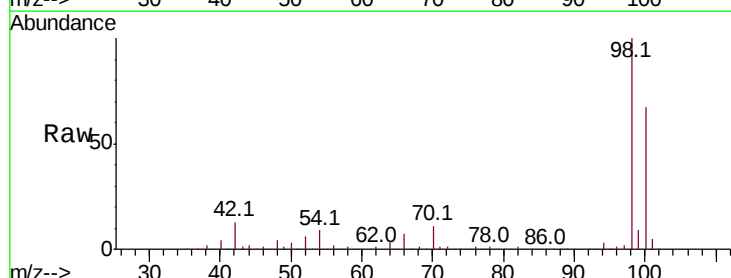
Manual Integrations
APPROVED

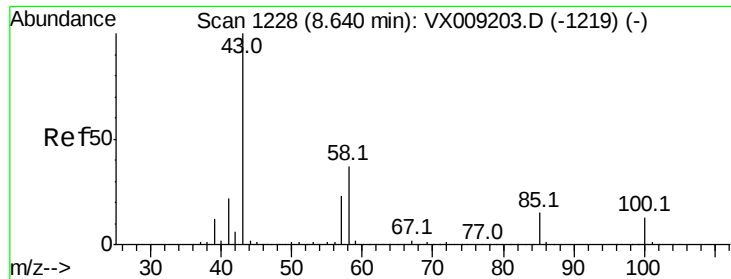
MMDadoda
5/10/2019 1:11:56 PM



#50
Toluene-d8
Concen: 53.939 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 115.051 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 43 Resp: 398746

Ion Ratio Lower Upper

43 100

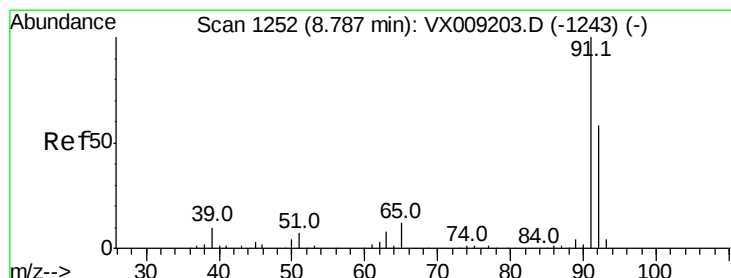
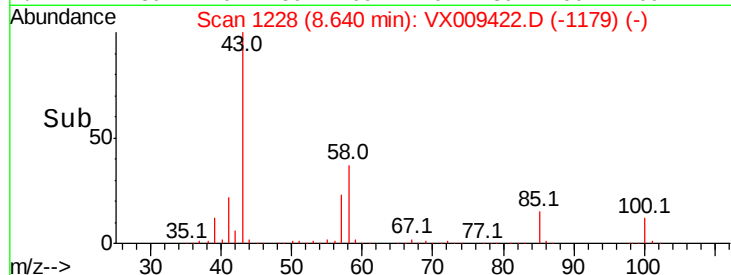
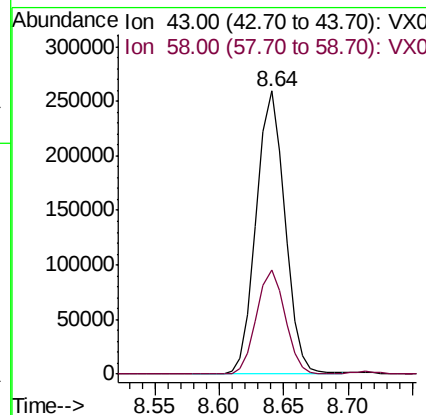
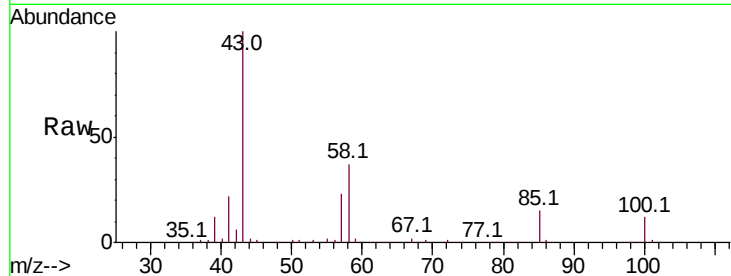
58 36.9 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:11:56 PM



#52

Toluene

Concen: 23.314 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009422.D

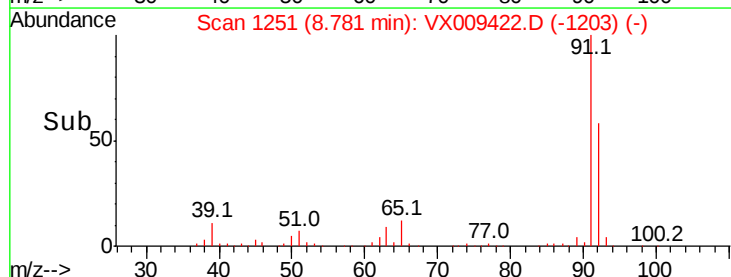
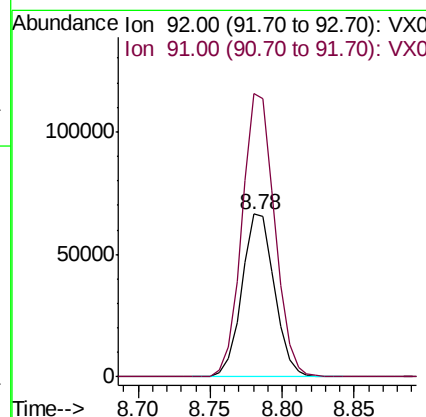
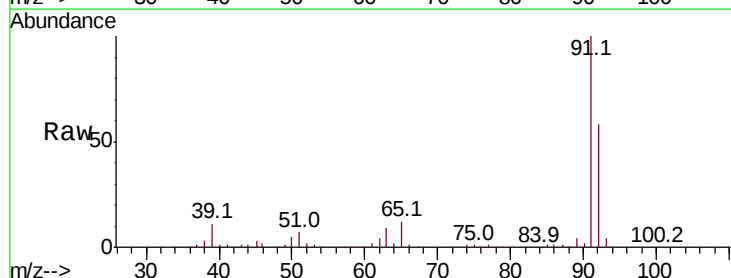
Acq: 09 May 2019 13:04

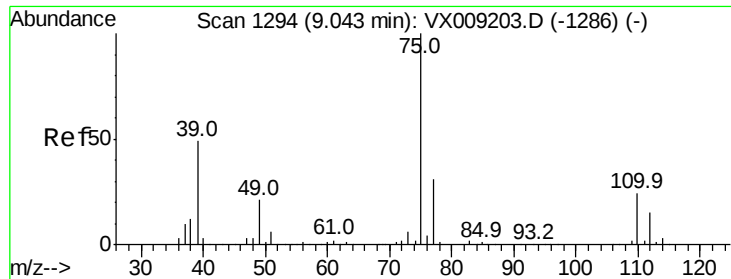
Tgt Ion: 92 Resp: 104353

Ion Ratio Lower Upper

92 100

91 174.3 138.8 208.2





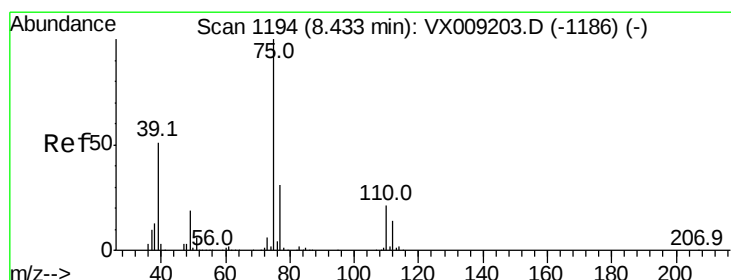
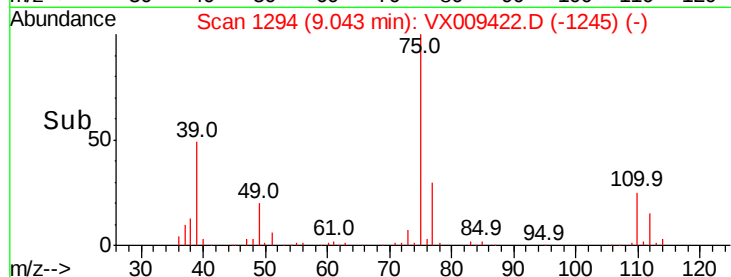
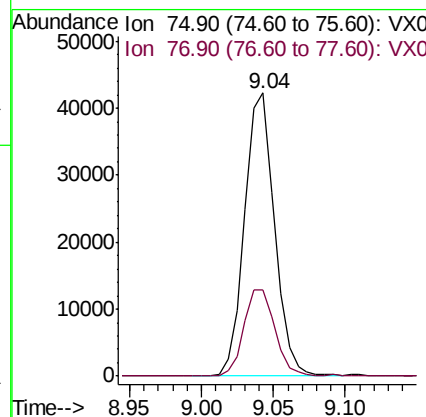
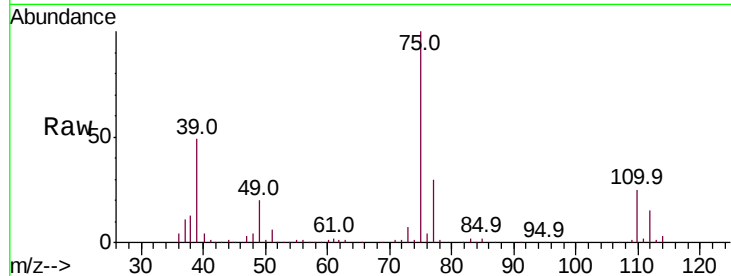
#53
t-1,3-Dichloropropene
Concen: 22.389 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion: 75 Resp: 61049
Ion Ratio Lower Upper
75 100
77 30.4 25.0 37.6

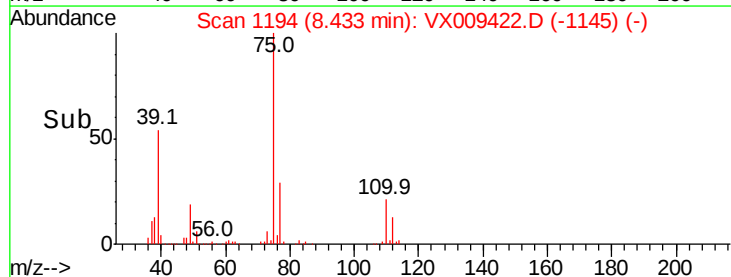
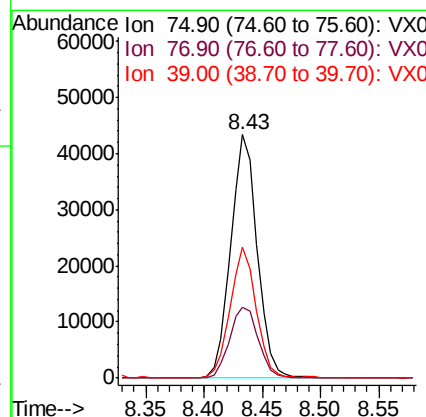
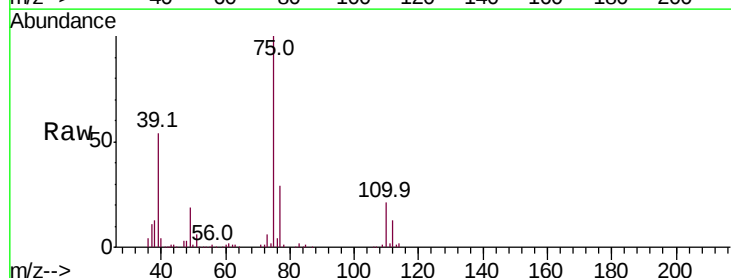
Manual Integrations
APPROVED

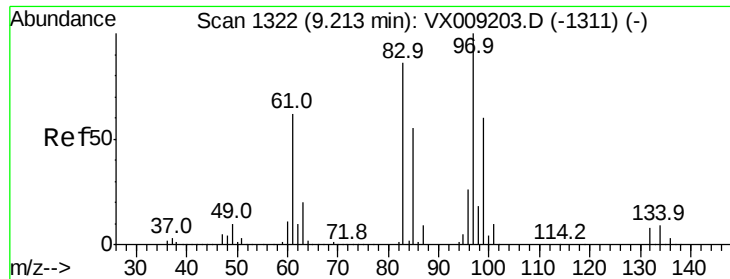
MMDadoda
5/10/2019 1:11:56 PM



#54
cis-1,3-Dichloropropene
Concen: 22.753 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion: 75 Resp: 68671
Ion Ratio Lower Upper
75 100
77 29.2 24.6 36.8
39 53.7 40.6 60.8





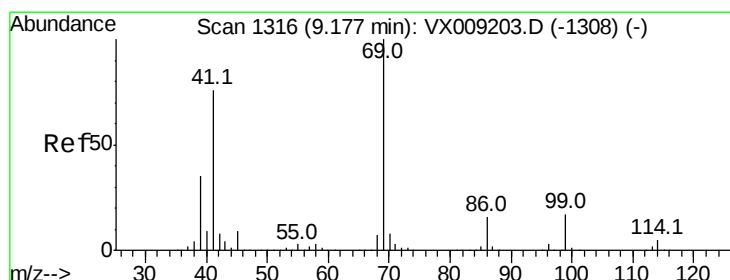
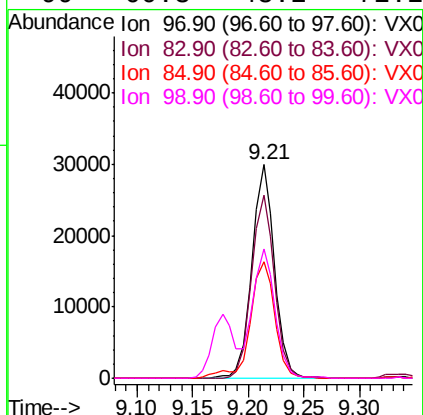
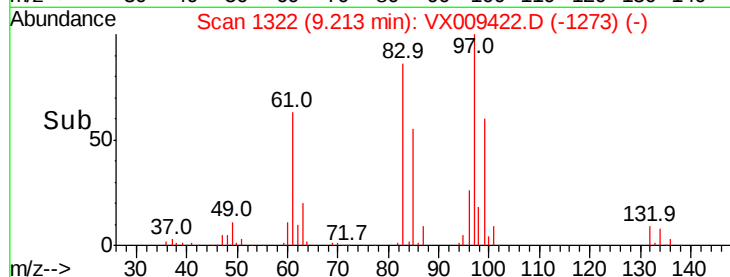
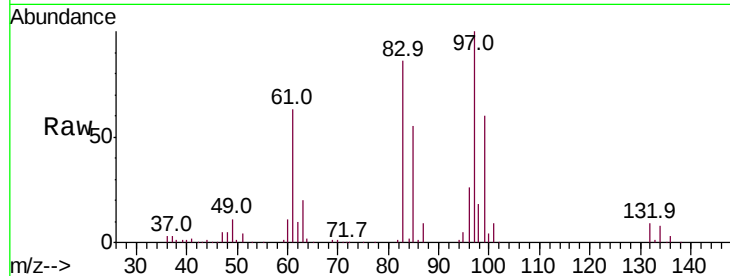
#55
 1,1,2-Trichloroethane
 Concen: 23.107 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion:	97	Resp:	42195
Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.9	103.3
85	54.8	43.8	65.6
99	60.3	48.2	72.2

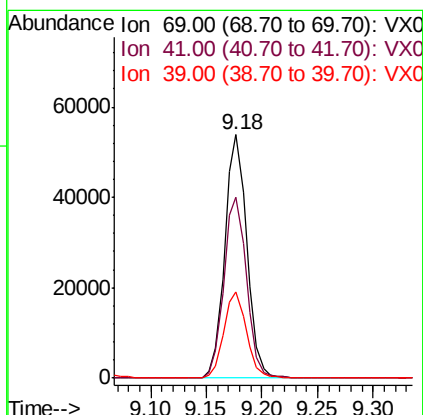
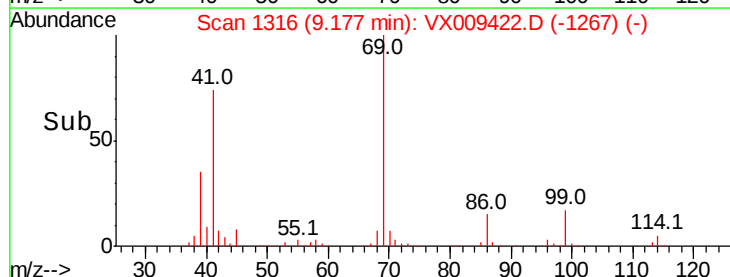
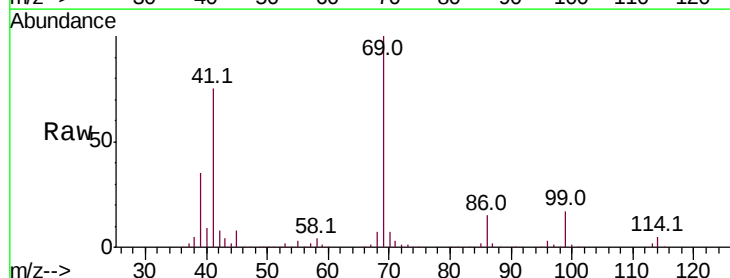
Manual Integrations
 APPROVED

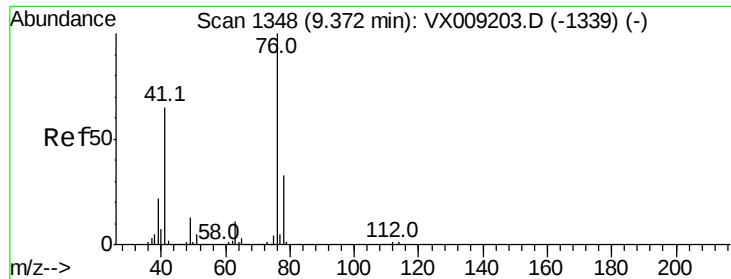
MMDadoda
 5/10/2019 1:11:56 PM



#56
 Ethyl methacrylate
 Concen: 22.757 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Tgt Ion:	69	Resp:	74179
Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.6	90.8
39	35.8	28.2	42.4





#57

1,3-Dichloropropane

Concen: 22.899 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 76 Resp: 73584

Ion Ratio Lower Upper

76 100

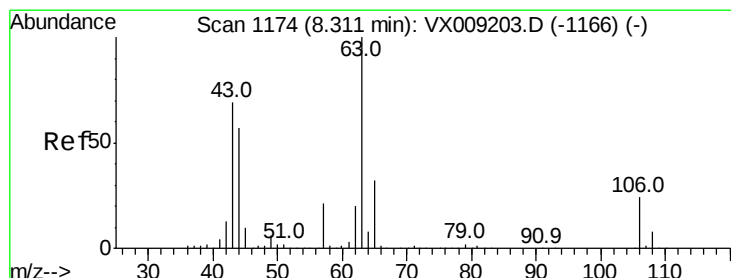
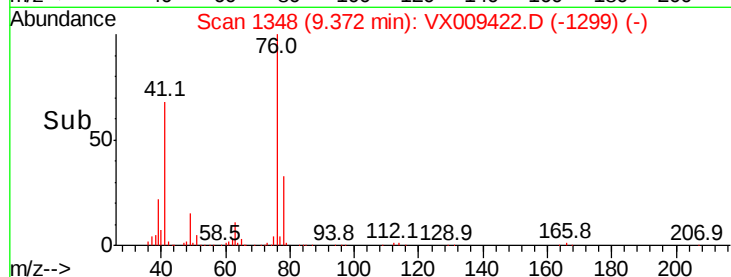
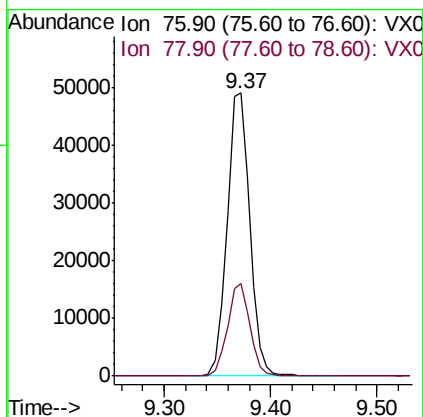
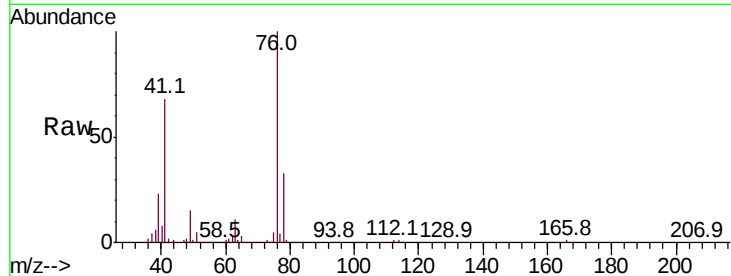
78 32.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:11:56 PM



#58

2-Chloroethyl Vinyl ether

Concen: 98.547 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009422.D

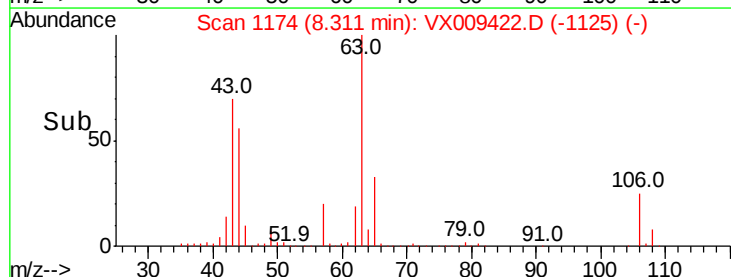
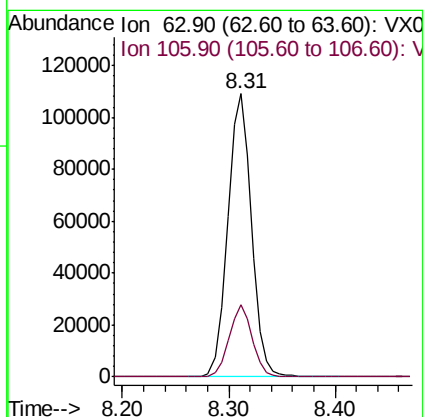
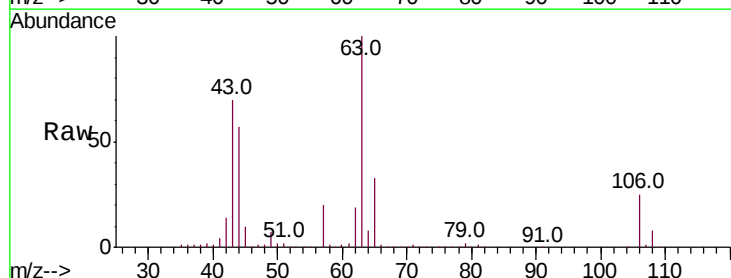
Acq: 09 May 2019 13:04

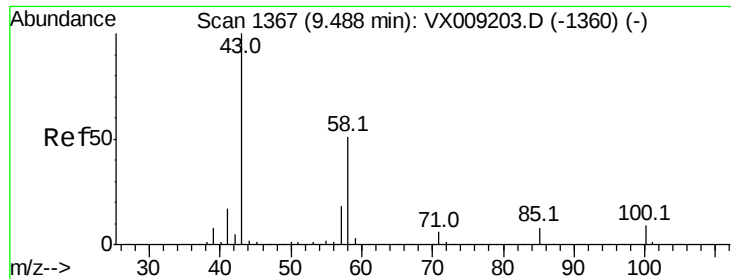
Tgt Ion: 63 Resp: 170410

Ion Ratio Lower Upper

63 100

106 24.8 19.7 29.5





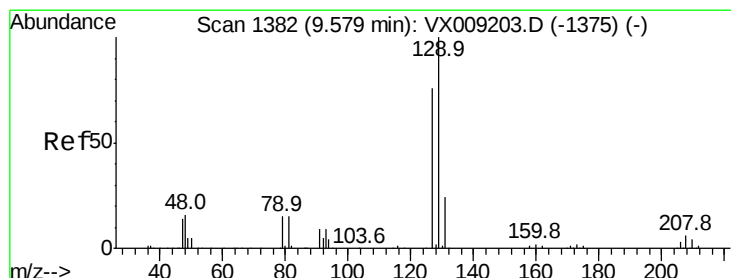
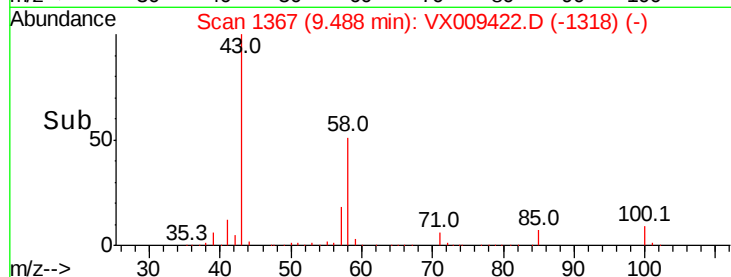
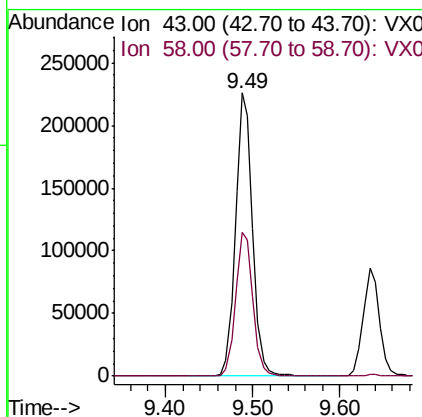
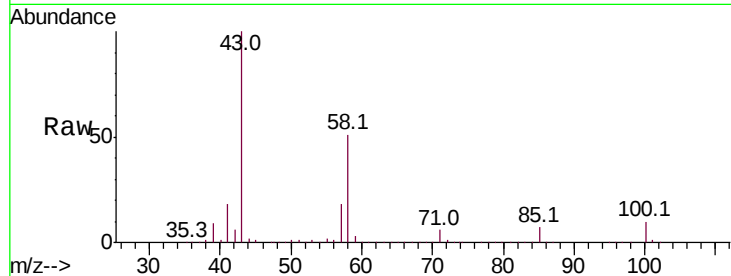
#59
2-Hexanone
Concen: 112.913 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion: 43 Resp: 307348
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7

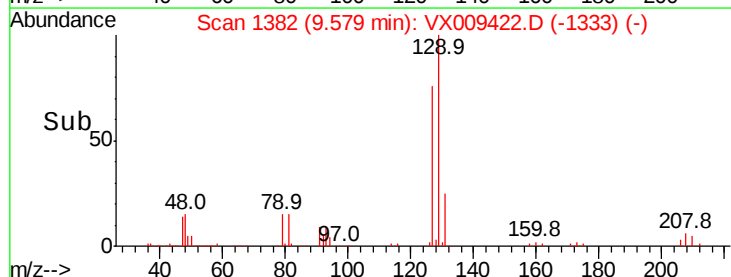
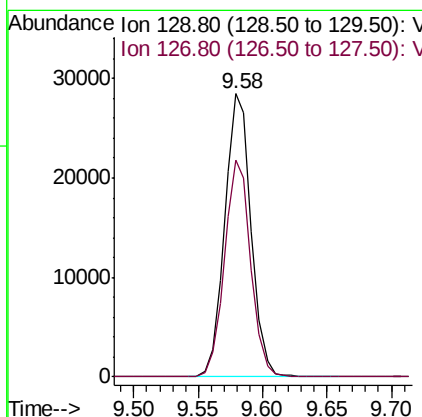
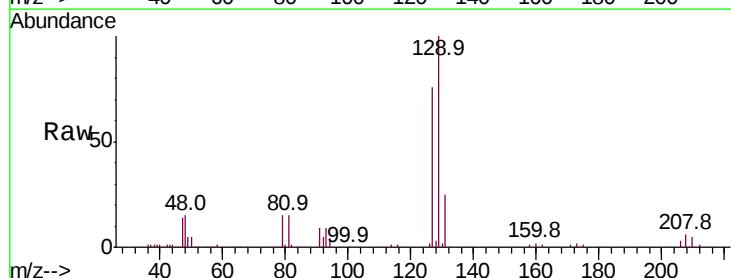
Manual Integrations
APPROVED

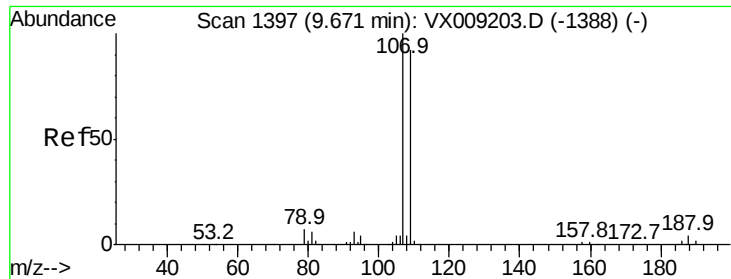
MMDadoda
5/10/2019 1:11:56 PM



#60
Dibromochloromethane
Concen: 22.875 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion: 129 Resp: 40797
Ion Ratio Lower Upper
129 100
127 76.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 23.129 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion:107 Resp: 42633

Ion Ratio Lower Upper

107 100

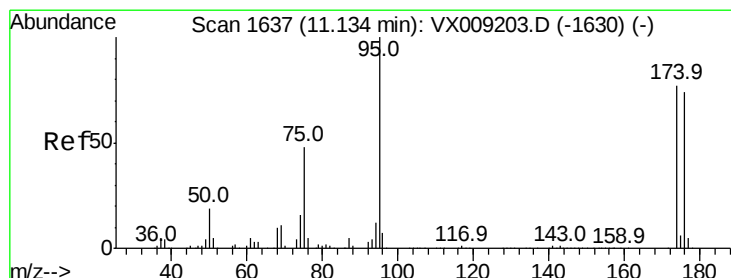
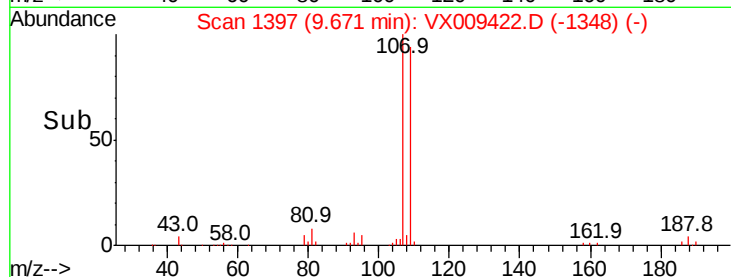
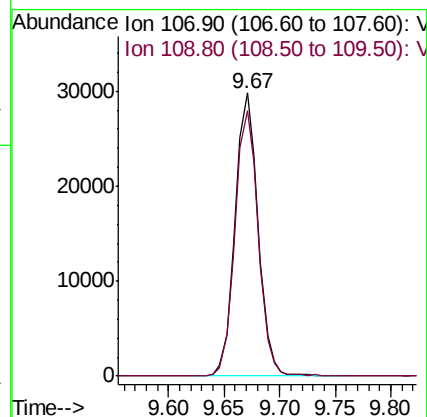
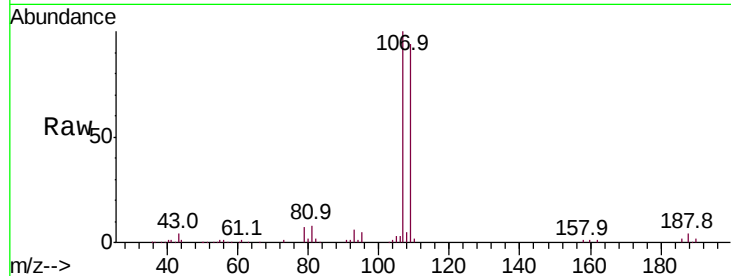
109 94.8 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:11:56 PM



#62

4-Bromofluorobenzene

Concen: 53.636 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

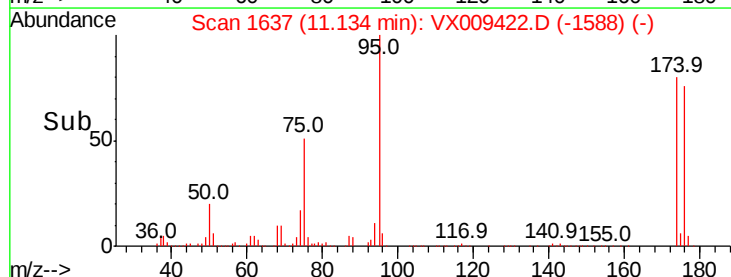
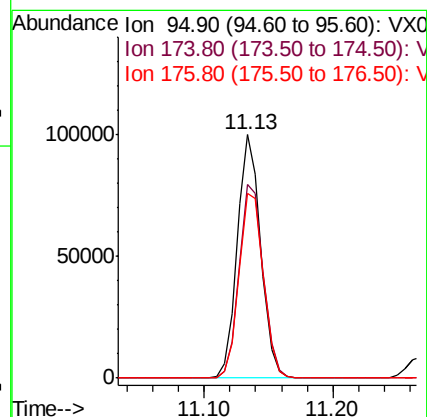
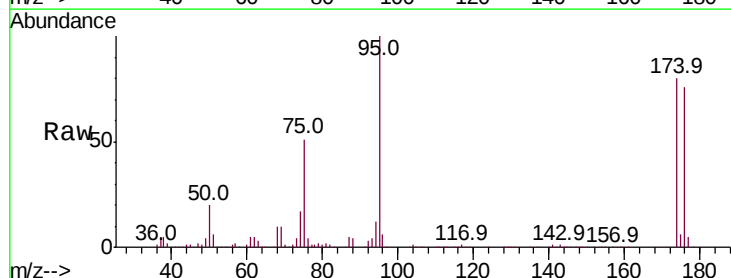
Tgt Ion: 95 Resp: 126637

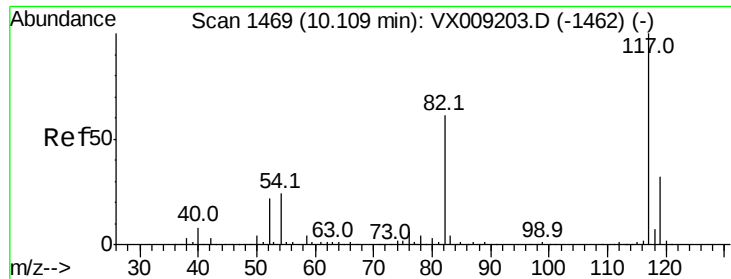
Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

176 79.6 0.0 159.2





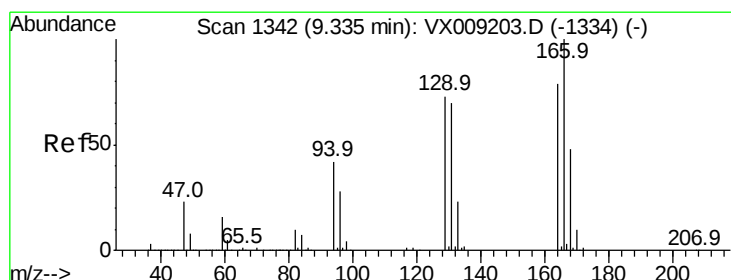
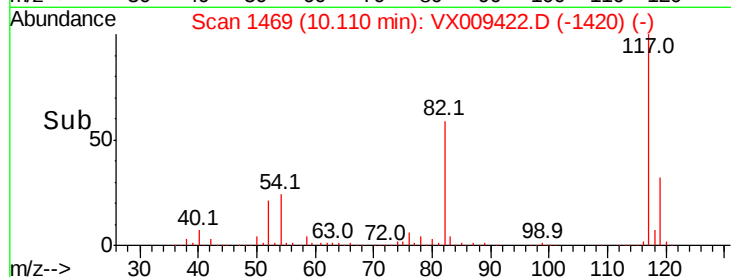
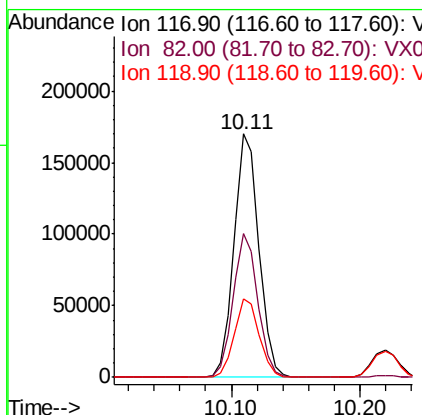
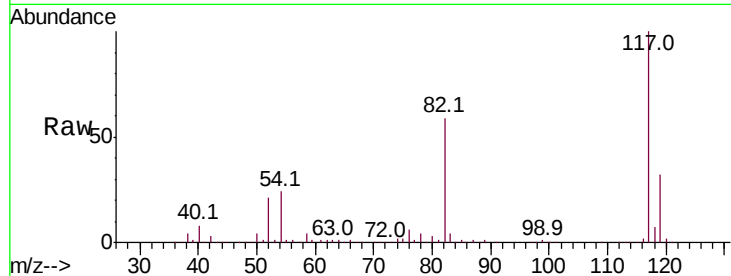
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	228958		
82	59.0		48.8	73.2
119	32.1		25.8	38.6

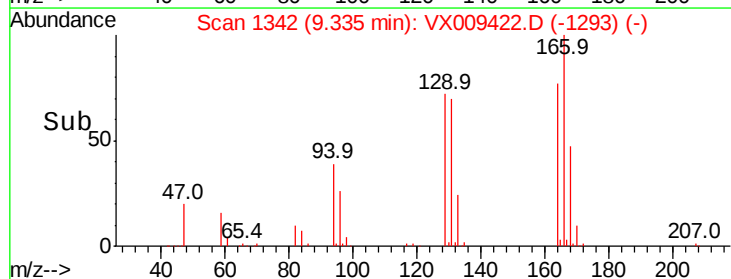
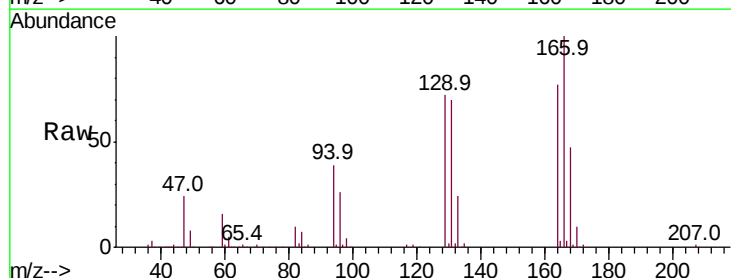
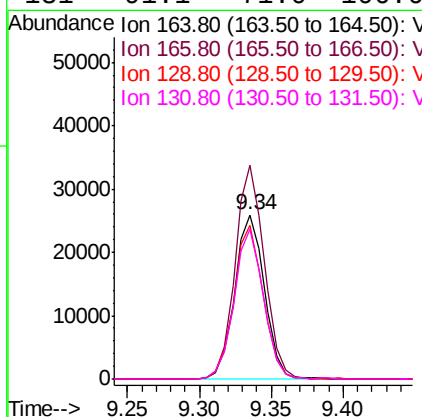
Manual Integrations
APPROVED

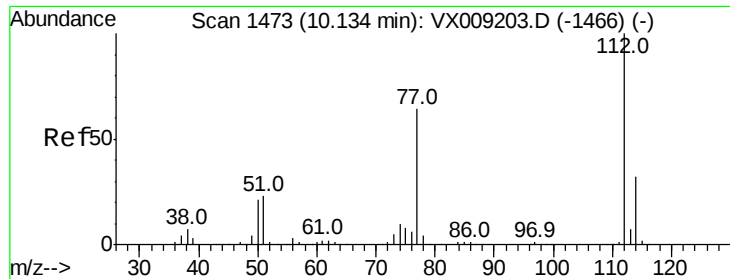
MMDadoda
5/10/2019 1:11:56 PM



#64
Tetrachloroethene
Concen: 23.717 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37249		
166	130.3		101.2	151.8
129	93.9		74.3	111.5
131	91.1		71.0	106.6





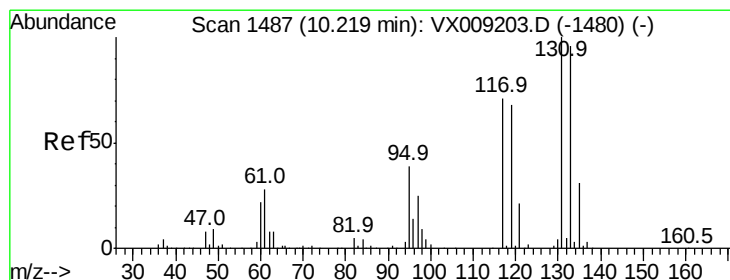
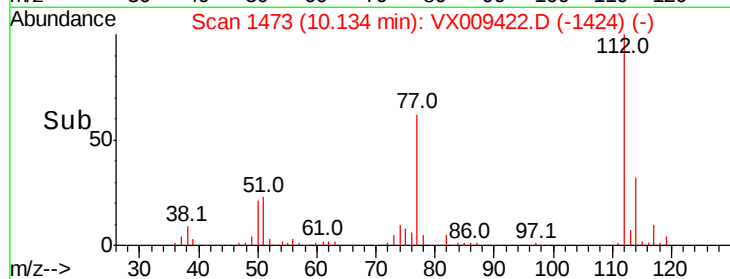
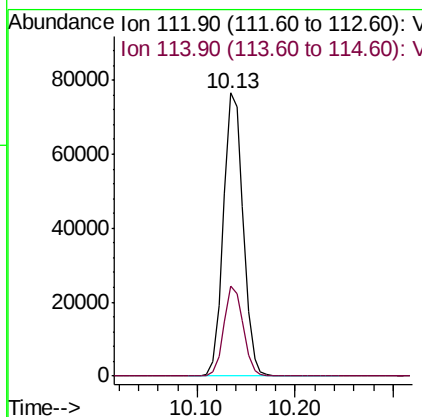
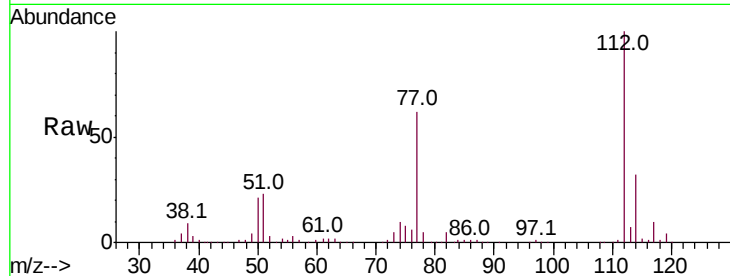
#65
Chlorobenzene
Concen: 23.399 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion:112 Resp: 107170
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3

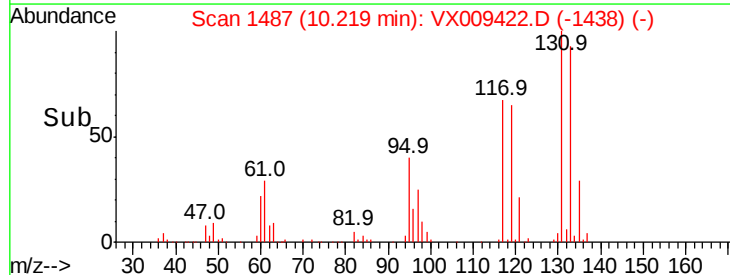
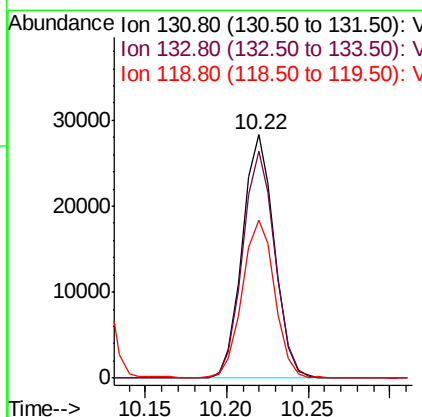
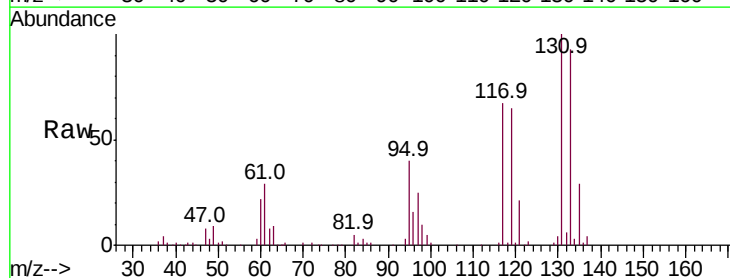
Manual Integrations
APPROVED

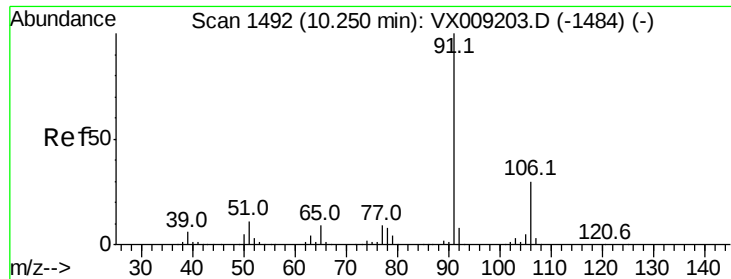
MMDadoda
5/10/2019 1:11:56 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.280 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion:131 Resp: 38656
Ion Ratio Lower Upper
131 100
133 94.3 47.7 143.1
119 66.1 33.5 100.4





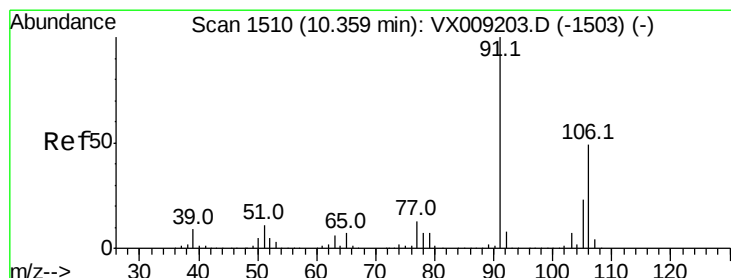
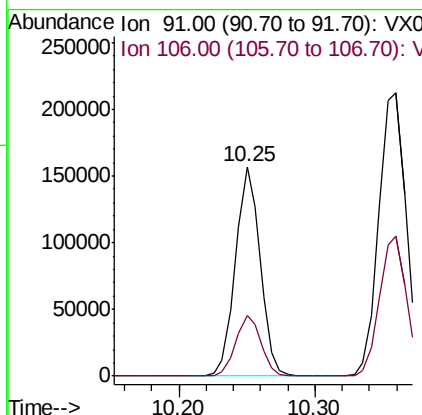
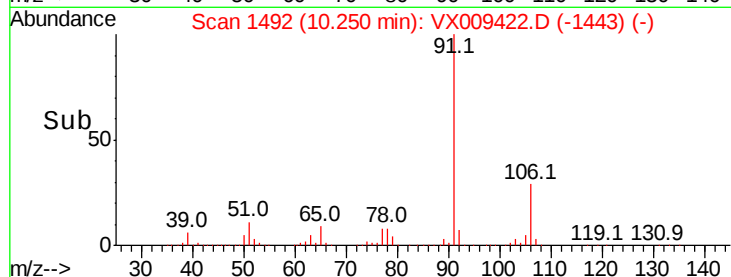
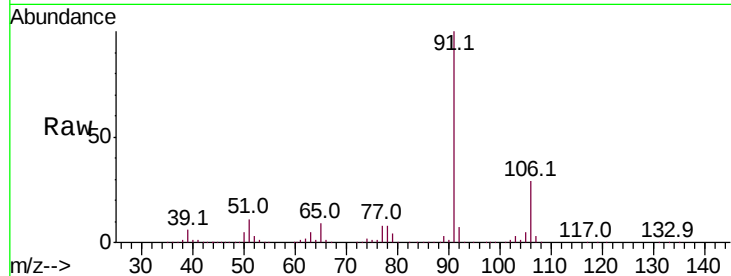
#67
Ethyl Benzene
Concen: 23.564 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion: 91 Resp: 198630
Ion Ratio Lower Upper
91 100
106 29.0 24.0 36.0

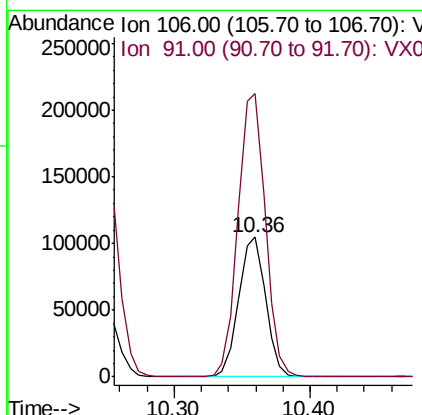
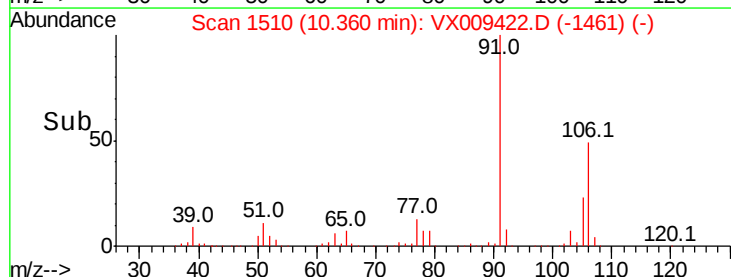
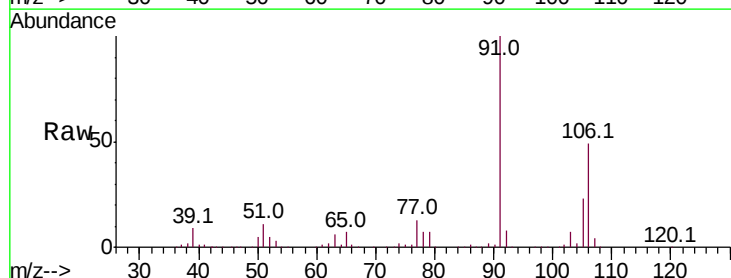
Manual Integrations
APPROVED

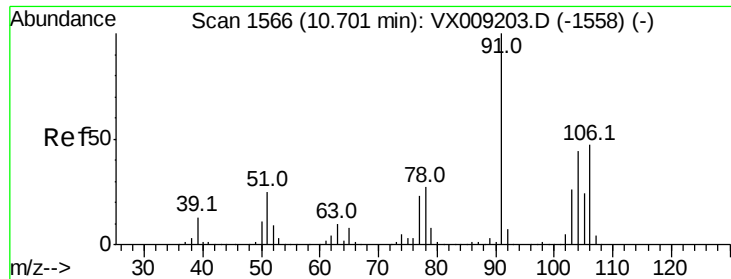
MMDadoda
5/10/2019 1:11:56 PM



#68
m/p-Xylenes
Concen: 46.962 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion: 106 Resp: 144657
Ion Ratio Lower Upper
106 100
91 206.4 164.0 246.0





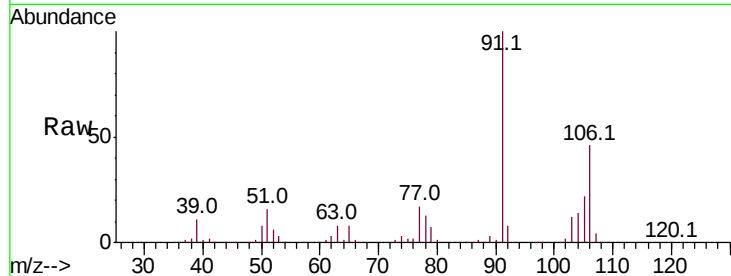
#69
o-Xylene
Concen: 23.356 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleID :
VX0509WBSD01

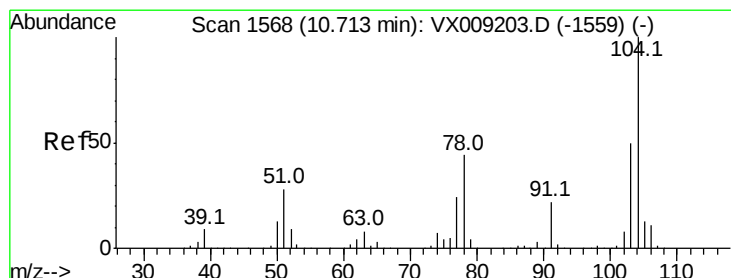
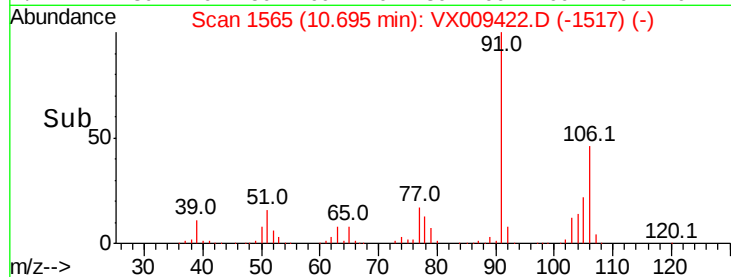
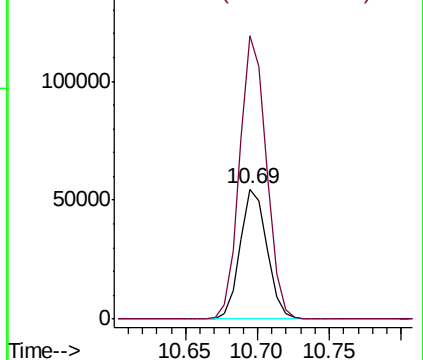
Tot Ion:106 Resp: 70983
Ion Ratio Lower Upper
106 100
91 216.6 109.5 328.4

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM

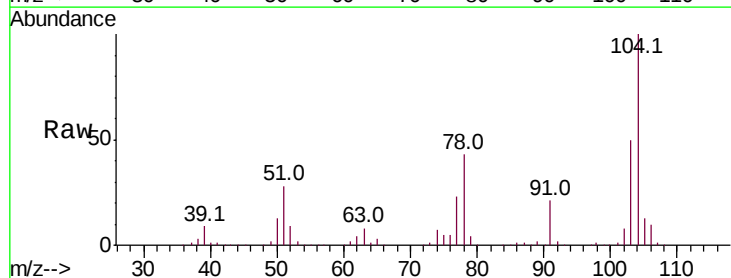


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

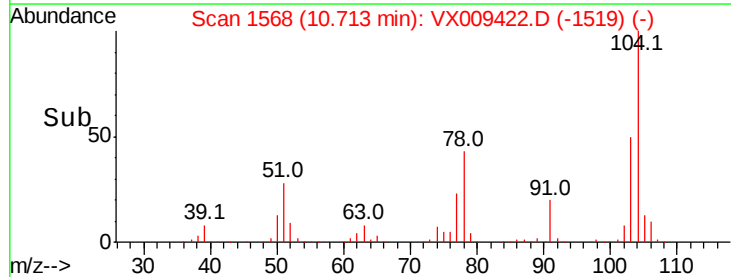
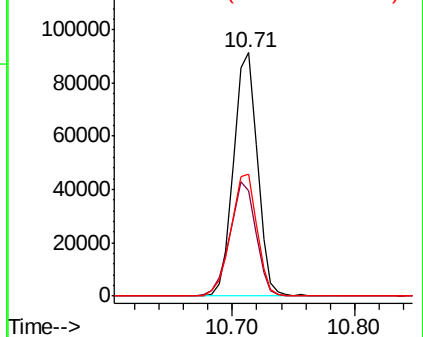


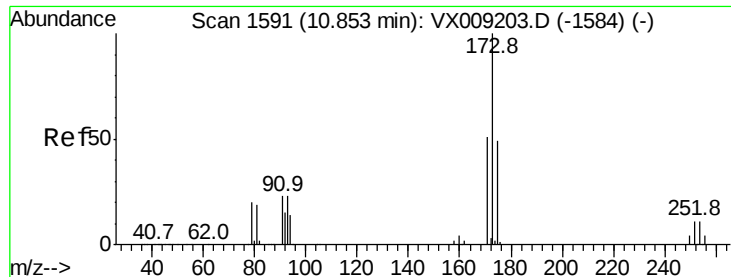
#70
Styrene
Concen: 23.246 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion:104 Resp: 122794
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.4
103 55.2 43.8 65.6



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





#71

Bromoform

Concen: 22.727 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion:173 Resp: 30668

Ion Ratio Lower Upper

173 100

175 47.6 24.5 73.5

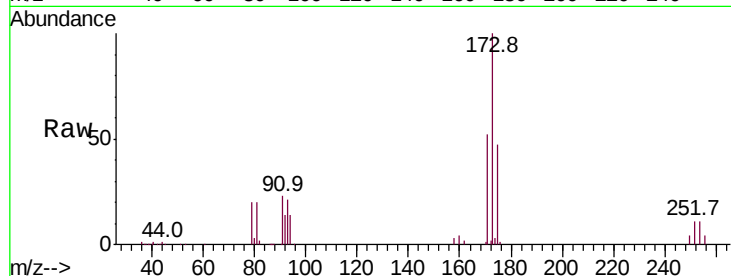
254 0.0 0.1 0.1#

Manual Integrations

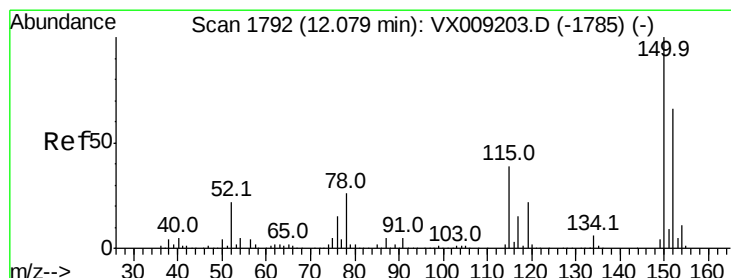
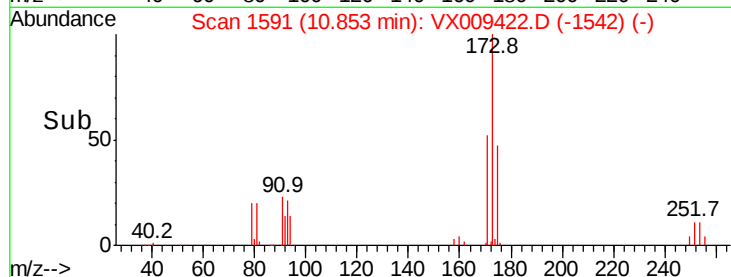
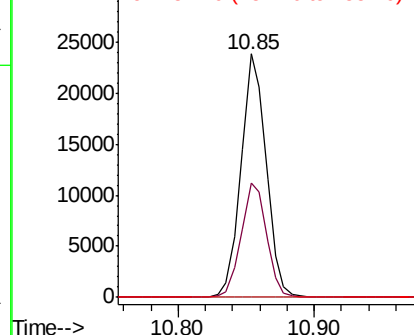
APPROVED

MMDadoda

5/10/2019 1:11:56 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

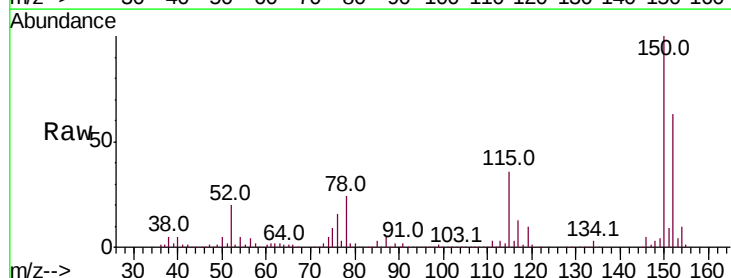
Tgt Ion:152 Resp: 111427

Ion Ratio Lower Upper

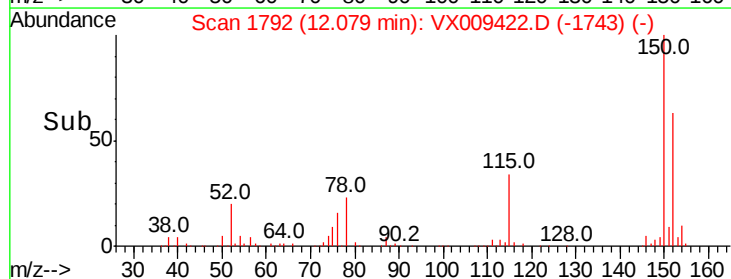
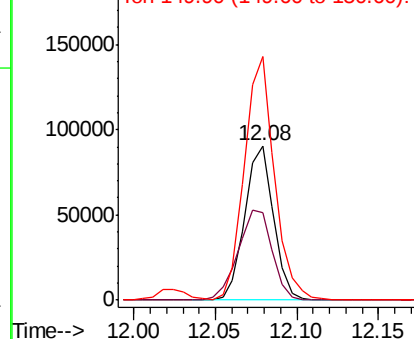
152 100

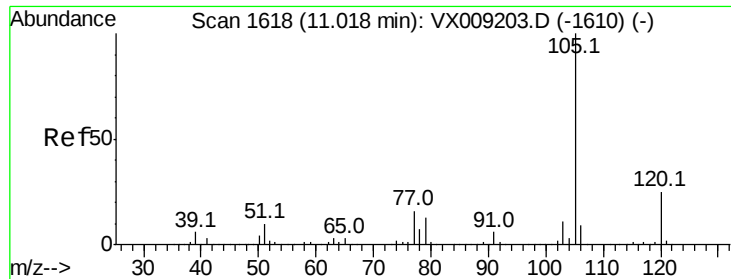
115 69.0 41.2 123.6

150 164.7 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.305 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 105 Resp: 188838

Ion Ratio Lower Upper

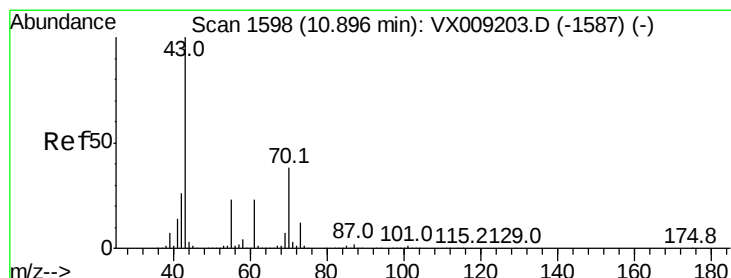
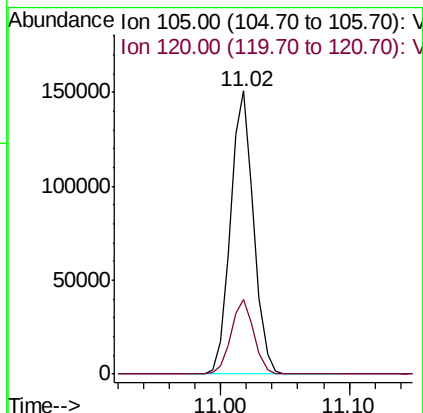
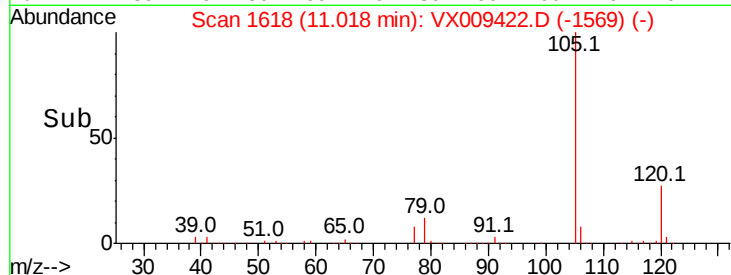
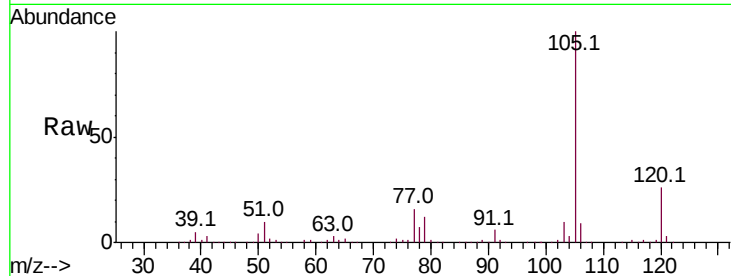
105 100

120 26.0 12.8 38.3

Manual Integrations
APPROVED

MMDadoda

5/10/2019 1:11:56 PM



#74

N-ethyl acetate

Concen: 22.662 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Tgt Ion: 43 Resp: 107058

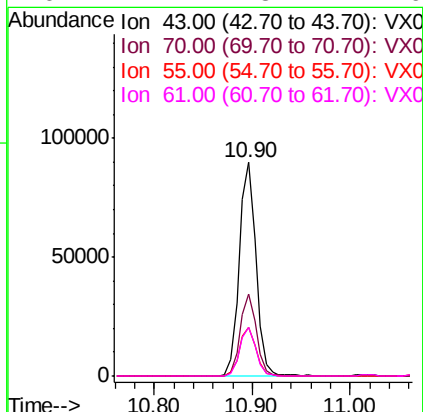
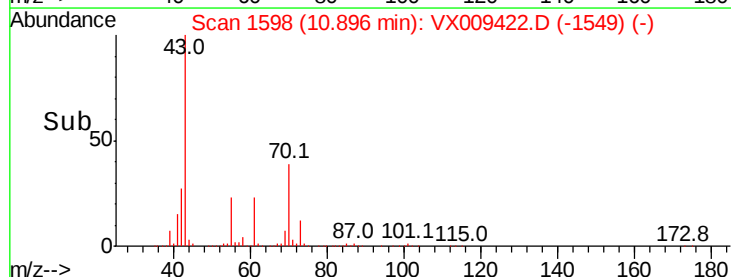
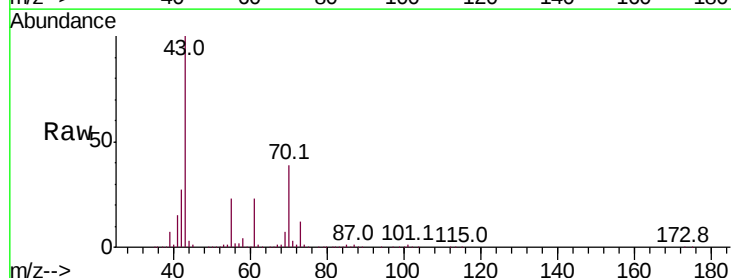
Ion Ratio Lower Upper

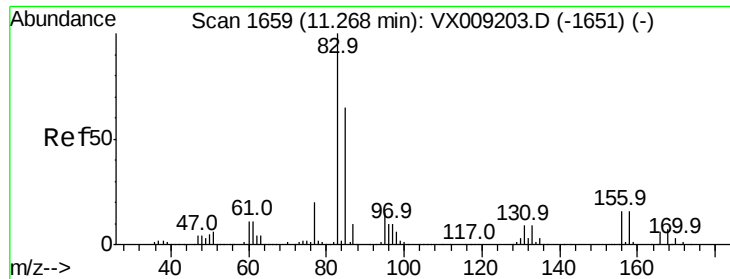
43 100

70 37.1 30.0 45.0

55 22.7 17.9 26.9

61 22.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.796 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

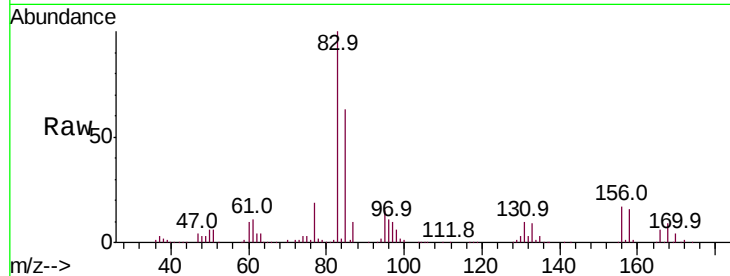
ClientSampled :

VX0509WBSD01

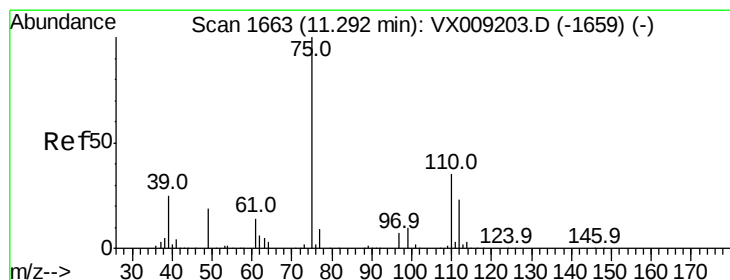
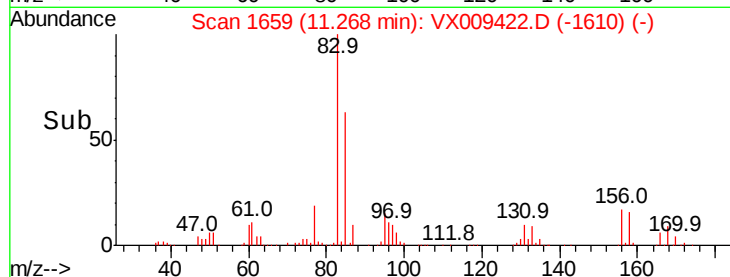
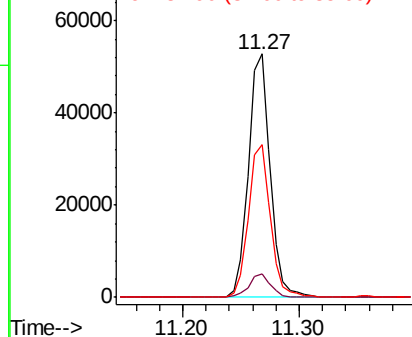
Tot Ion:	83	Resp:	68858
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	63.6	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



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



#76

1,2,3-Trichloropropane

Concen: 23.015 ug/l m

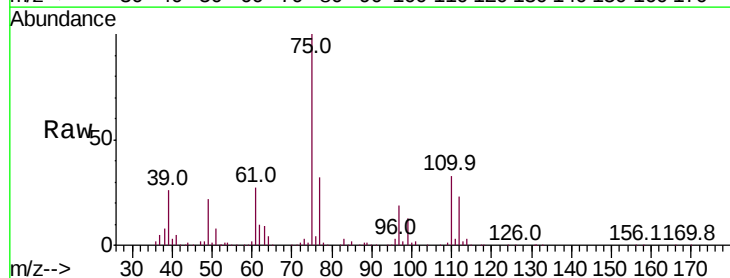
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

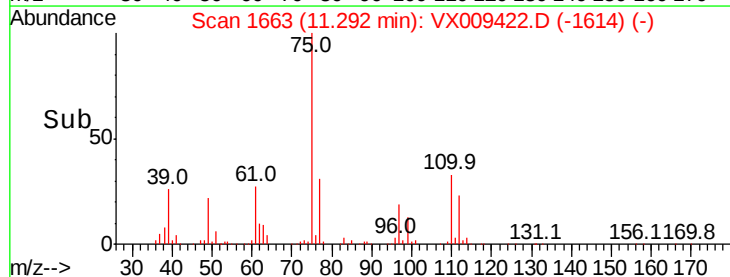
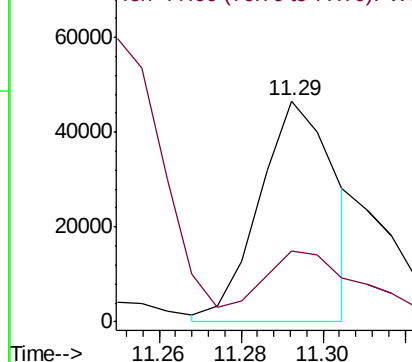
Lab File: VX009422.D

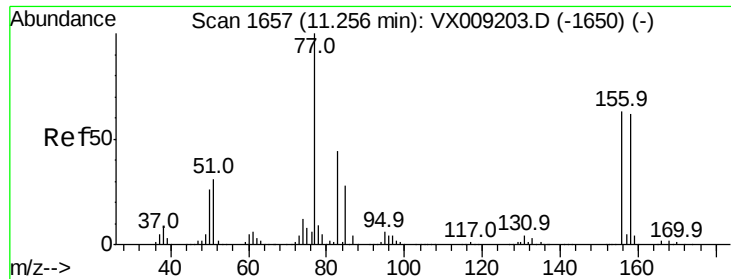
Acq: 09 May 2019 13:04

Tgt Ion:	75	Resp:	59486
Ion Ratio	Lower	Upper	
75	100		
77	43.4	22.1	66.1



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





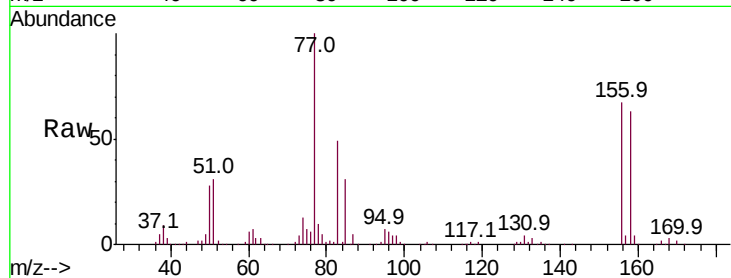
#77
Bromobenzene
Concen: 23.531 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.4	84.8	254.3
158	96.1	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM

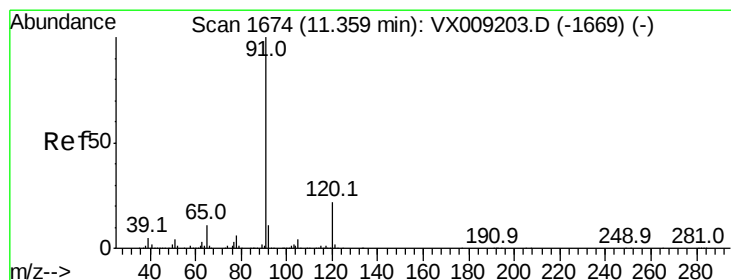
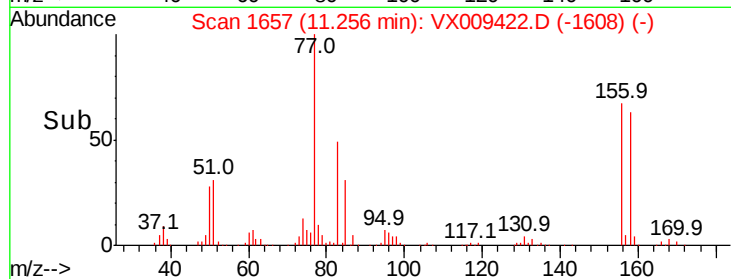
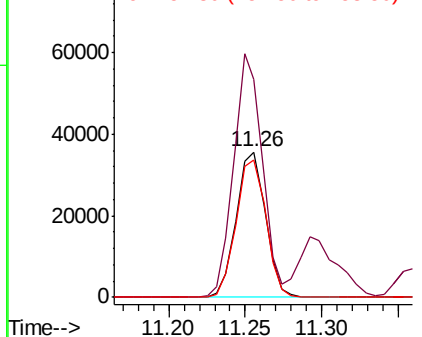


Abundance

Ion 155.80 (155.50 to 156.50): V

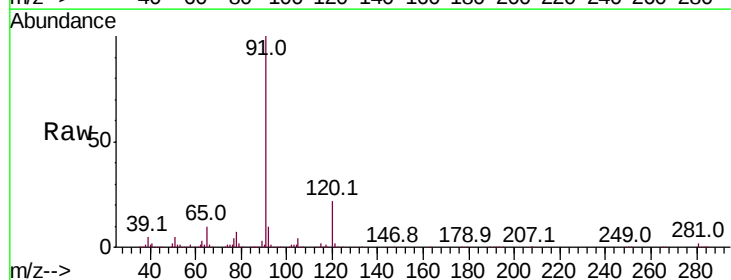
Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 23.356 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

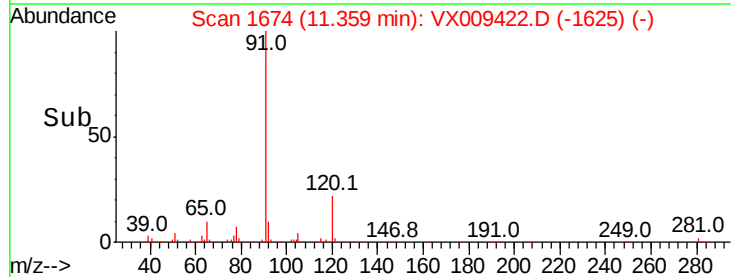
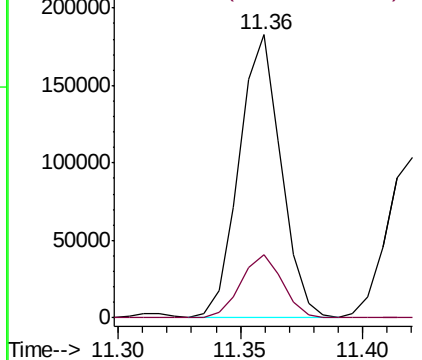
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0

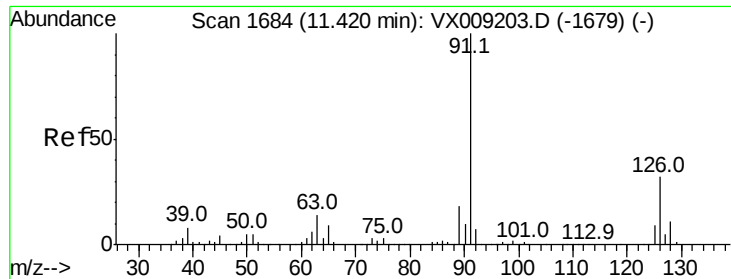


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.567 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 91 Resp: 128840

Ion Ratio Lower Upper

91 100

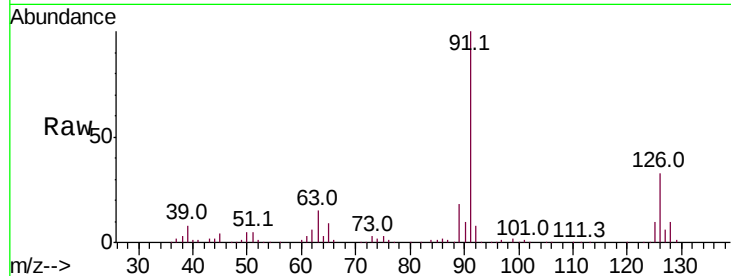
126 33.0 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:11:56 PM



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)

200000

150000

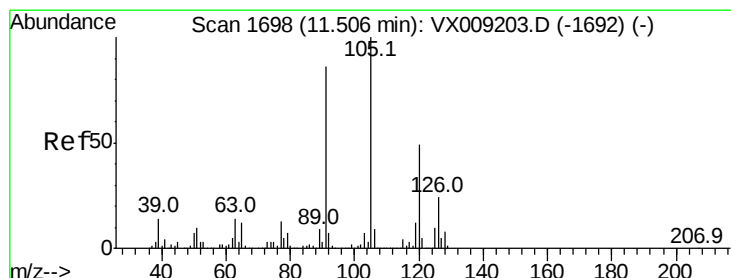
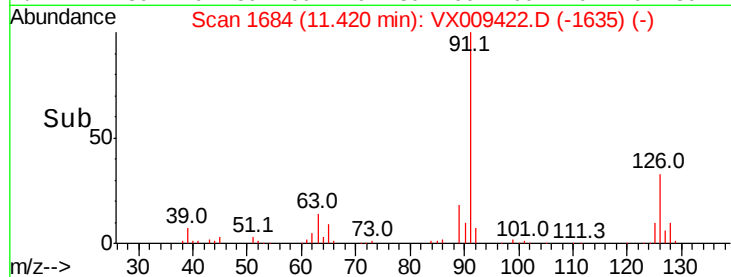
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.493 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009422.D

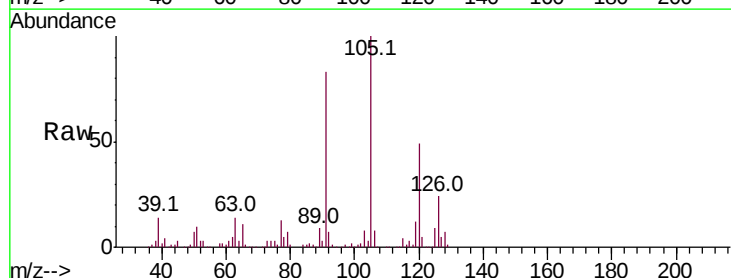
Acq: 09 May 2019 13:04

Tgt Ion:105 Resp: 160282

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)

150000

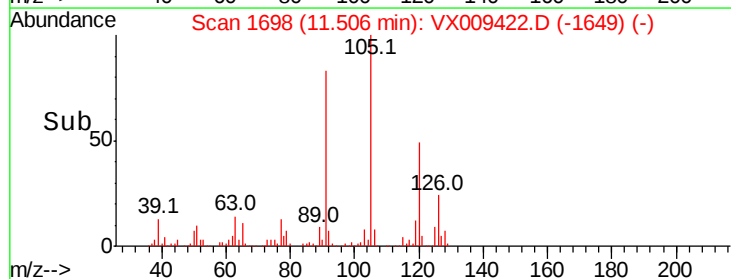
100000

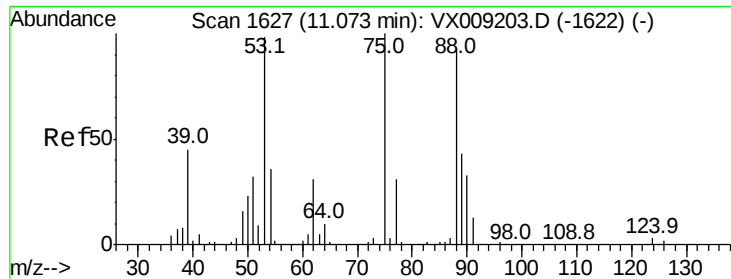
50000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.492 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

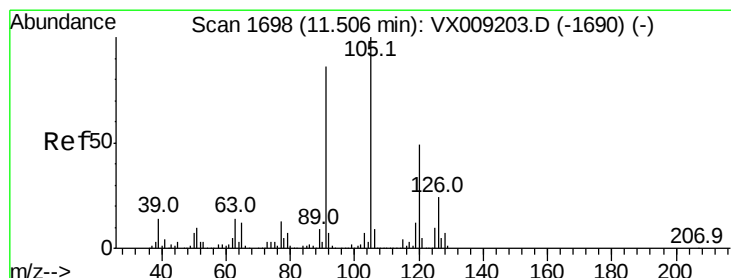
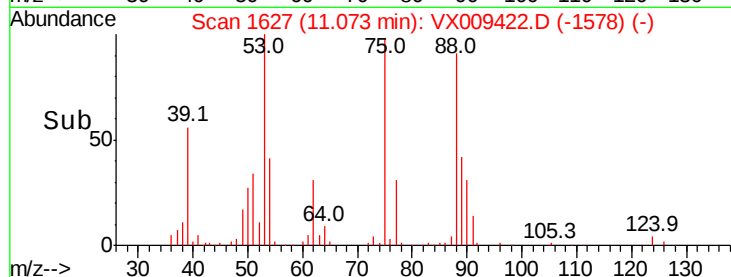
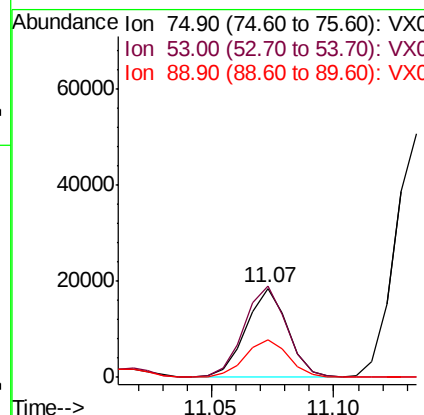
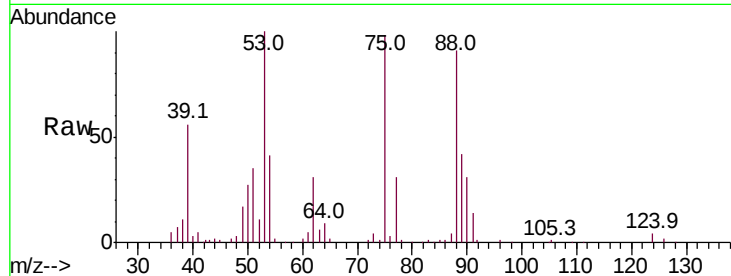
ClientSampleId :

VX0509WBSD01

Tot Ion:	75	Resp:	21711
Ion Ratio	Lower	Upper	
75	100		
53	106.1	79.0	118.6
89	44.3	34.7	52.1

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



#82

4-Chlorotoluene

Concen: 22.792 ug/l

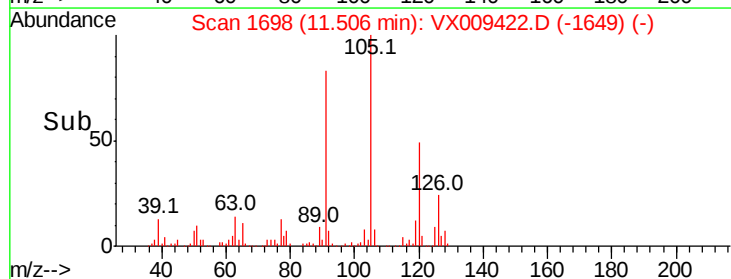
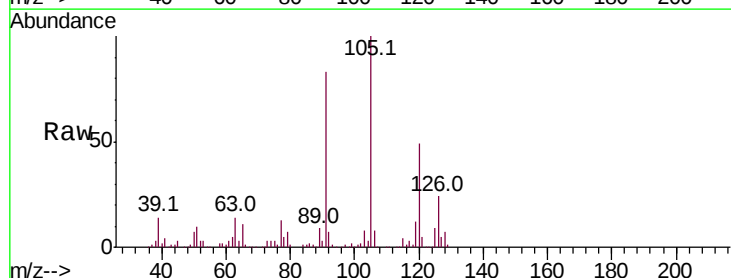
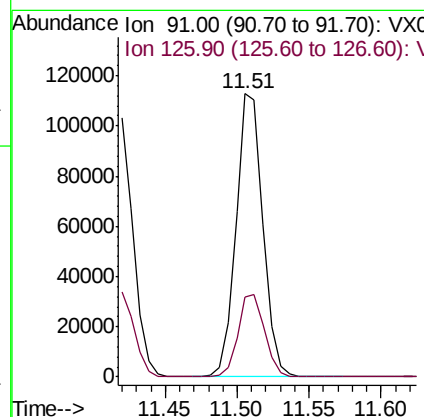
RT: 11.51 min Scan# 1698

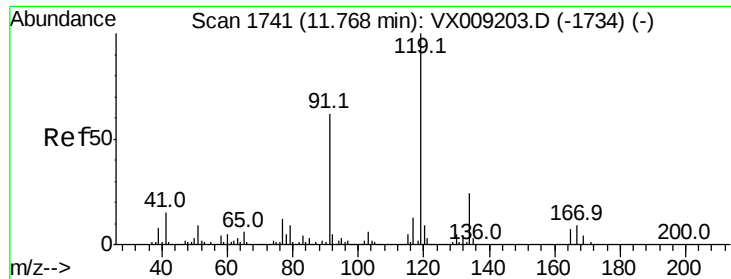
Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Tgt Ion:	91	Resp:	147004
Ion Ratio	Lower	Upper	
91	100		
126	29.0	14.5	43.6





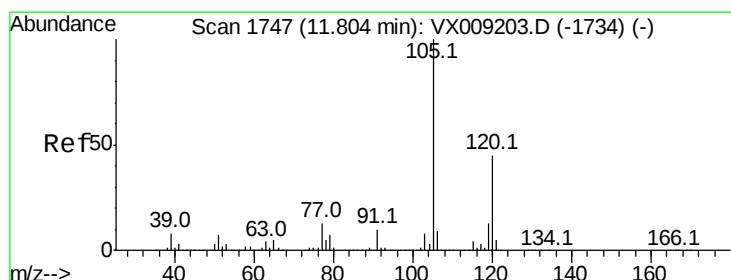
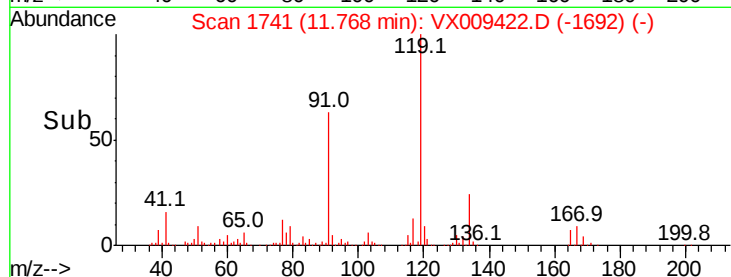
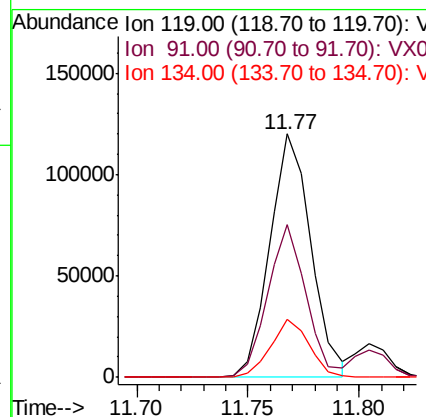
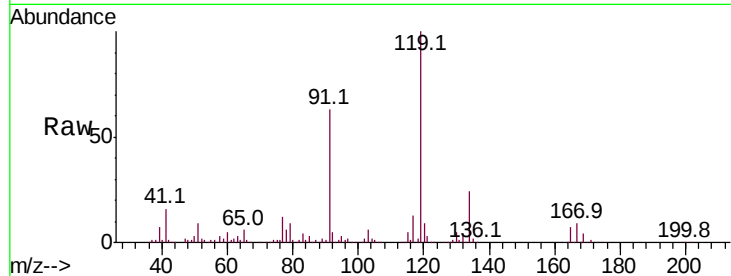
#83
tert-Butylbenzene
Concen: 23.178 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	58.9	29.5	88.5	
134	22.4	11.4	34.1	

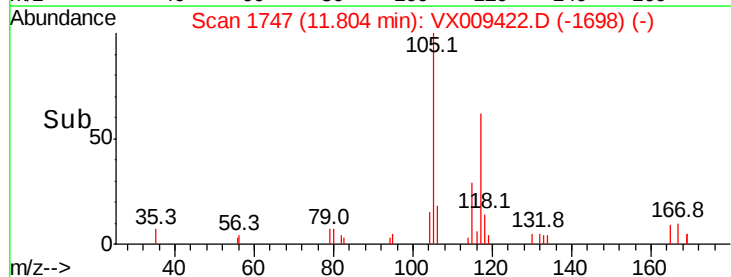
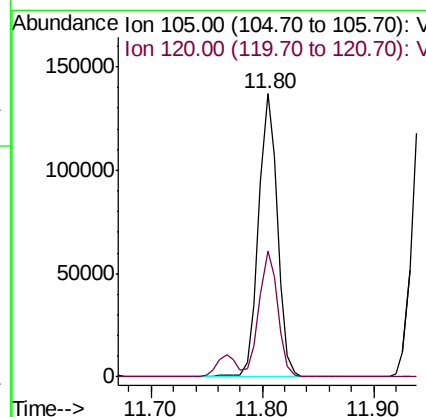
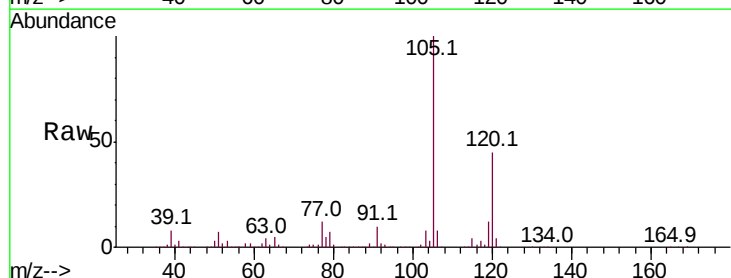
Manual Integrations
APPROVED

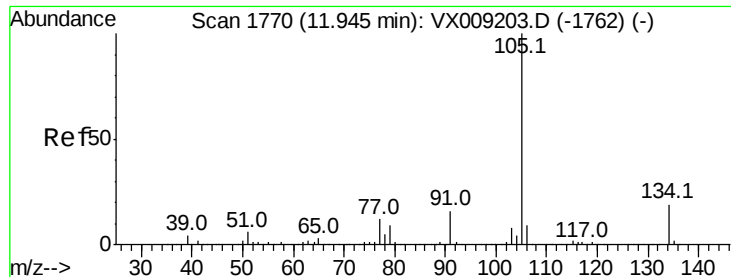
MMDadoda
5/10/2019 1:11:56 PM



#84
1,2,4-Trimethylbenzene
Concen: 23.584 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	44.4	22.0	66.0	





#85

sec-Butylbenzene

Concen: 23.042 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleID :

VX0509WBSD01

Tot Ion:105 Resp: 181310

Ion Ratio Lower Upper

105 100

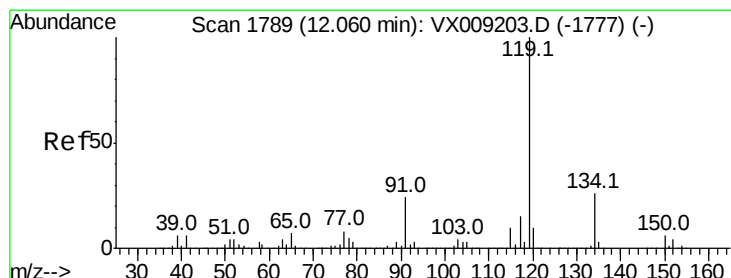
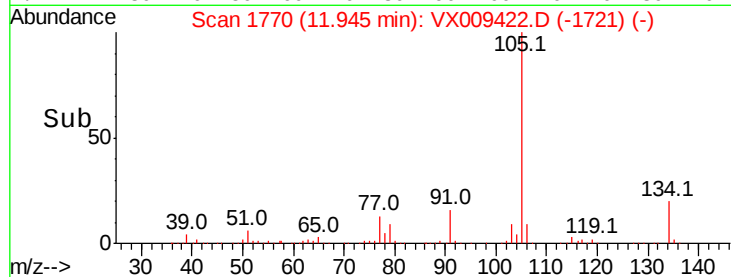
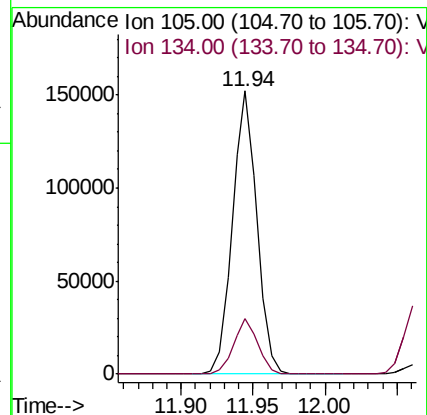
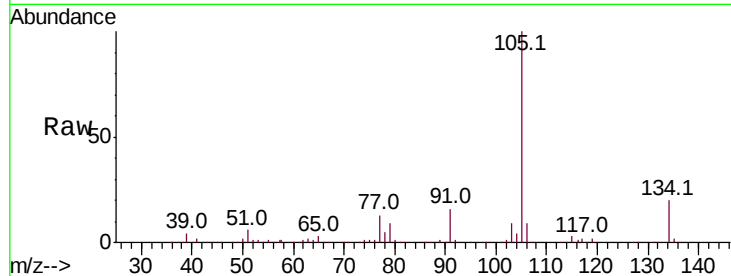
134 19.6 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:11:56 PM



#86

p-Isopropyltoluene

Concen: 23.487 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

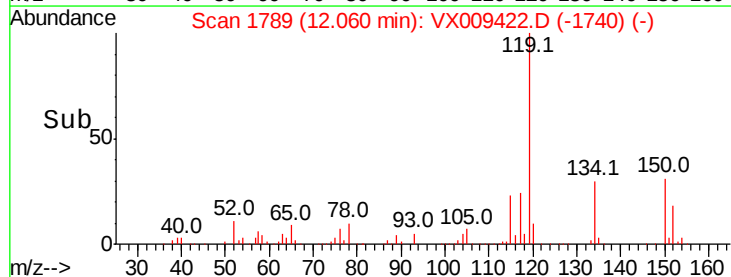
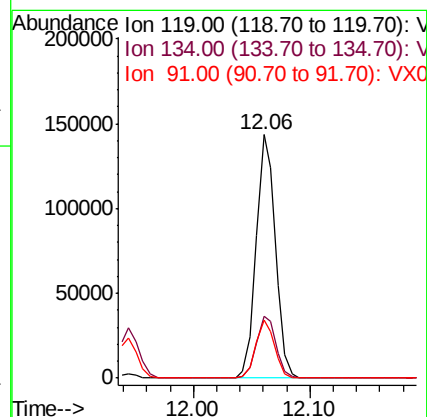
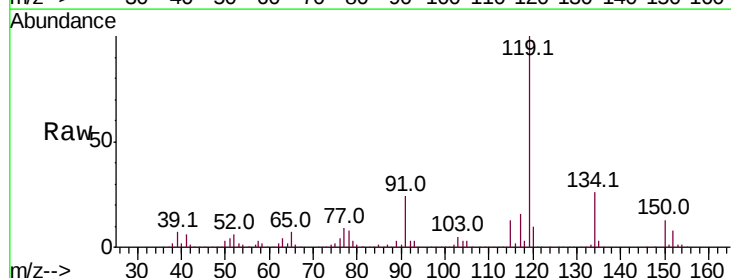
Tgt Ion:119 Resp: 166147

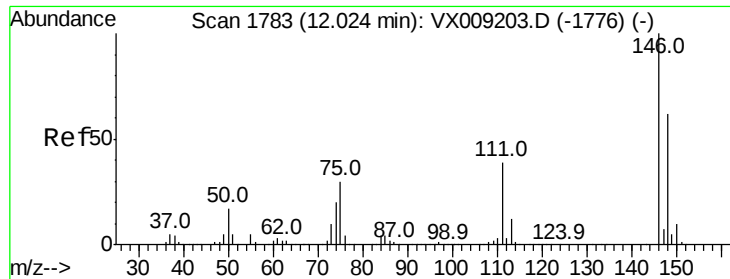
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 23.2 11.8 35.4





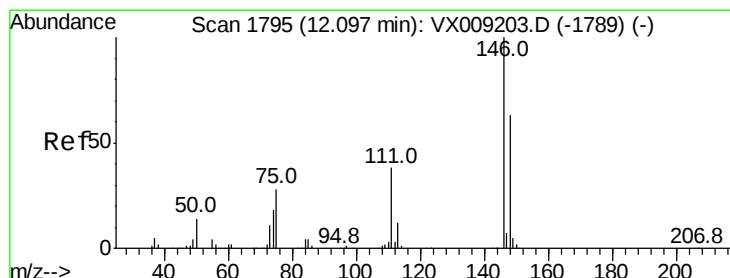
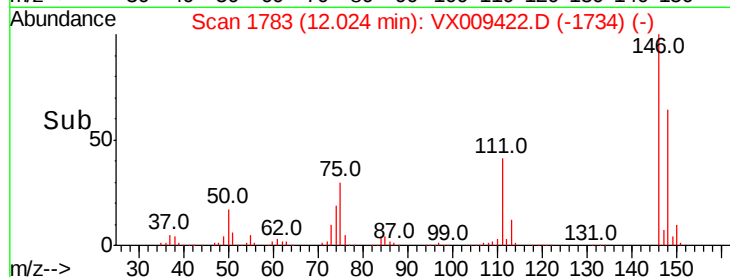
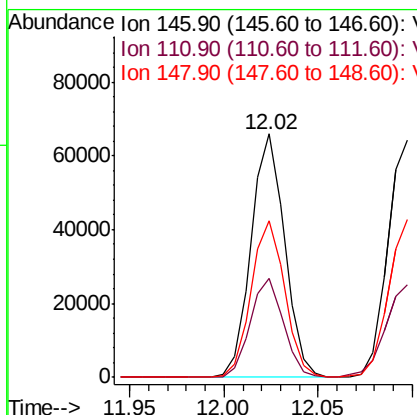
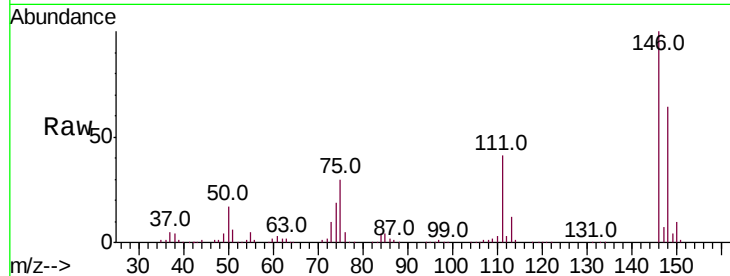
#87
 1,3-Dichlorobenzene
 Concen: 22.691 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	64.3	31.8	95.3

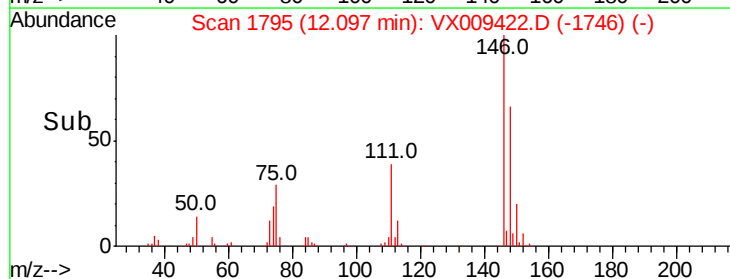
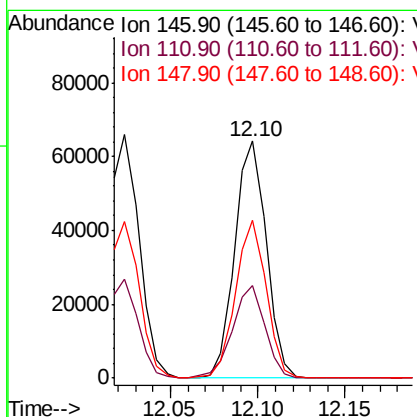
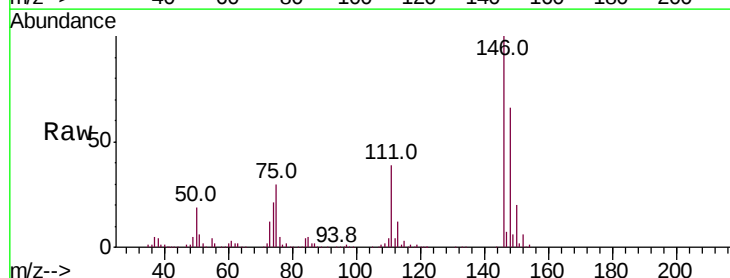
Manual Integrations
 APPROVED

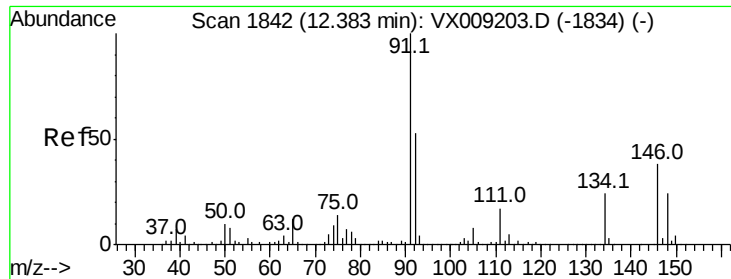
MMDadoda
 5/10/2019 1:11:56 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.285 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.8
148	65.1	31.8	95.3





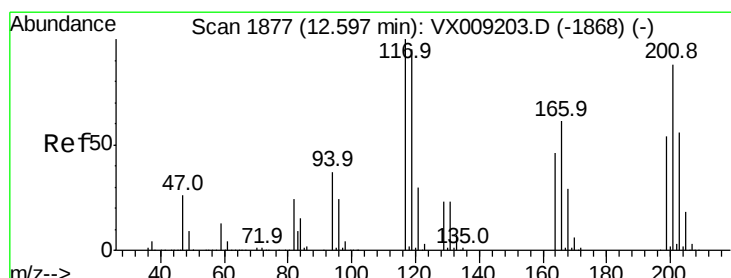
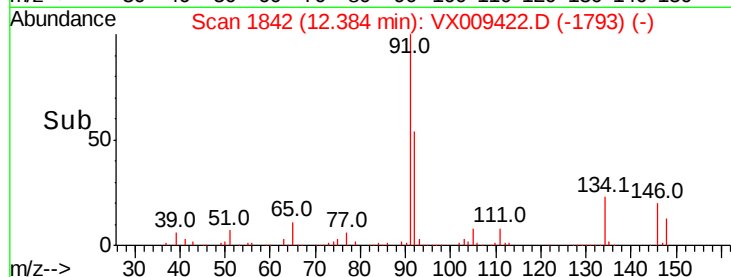
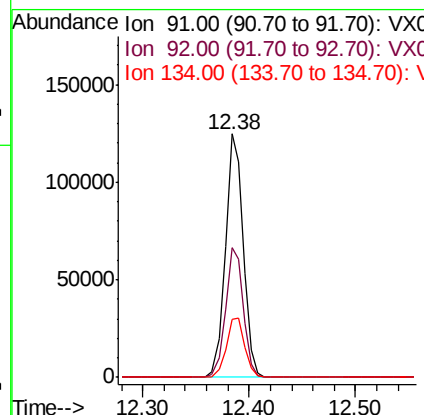
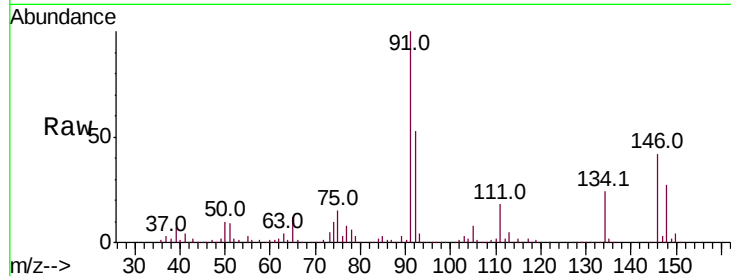
#89
n-Butylbenzene
Concen: 22.699 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	26.5	79.5	
134	25.1	12.4	37.2	

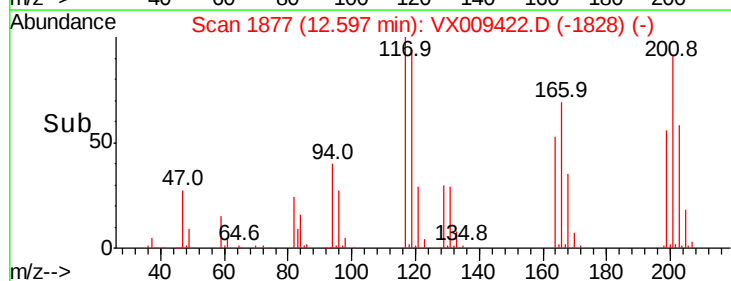
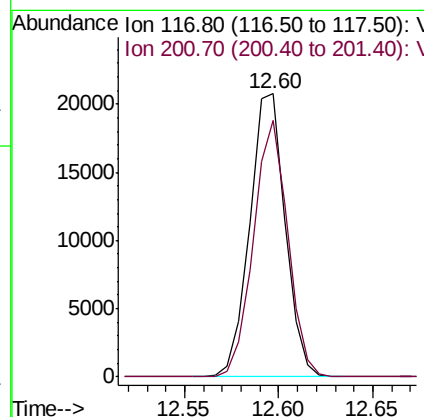
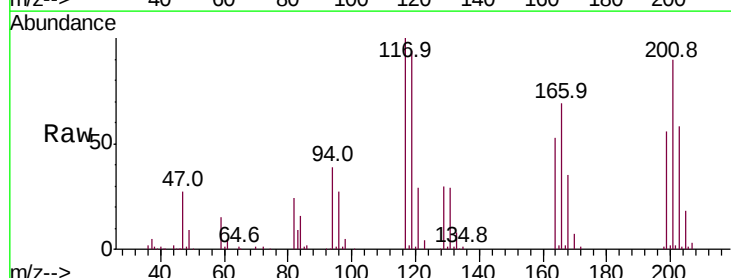
Manual Integrations
APPROVED

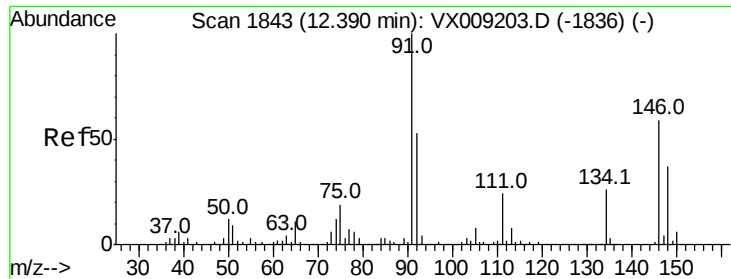
MMDadoda
5/10/2019 1:11:56 PM



#90
Hexachloroethane
Concen: 22.534 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.2	42.3	126.9	





#91

1,2-Dichlorobenzene

Concen: 22.863 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion:146 Resp: 83488

Ion Ratio Lower Upper

146 100

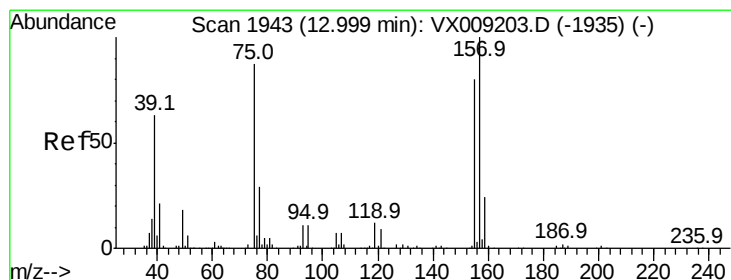
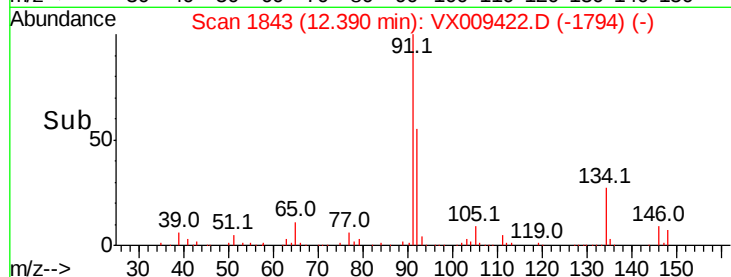
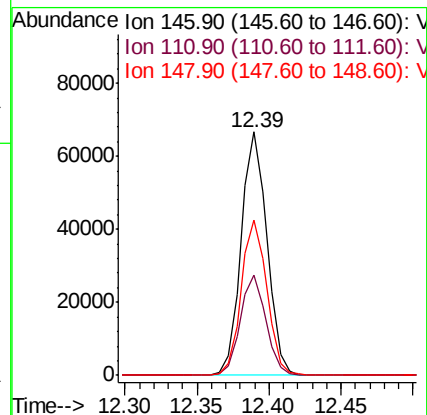
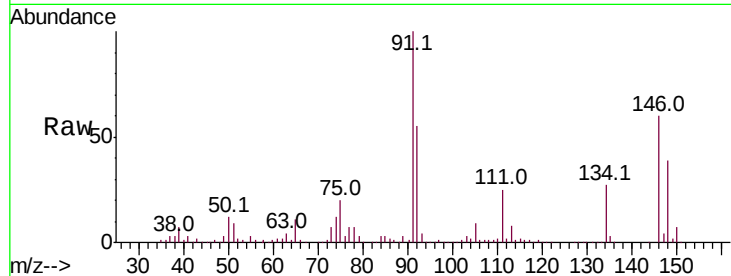
111 41.1 20.8 62.4

148 63.5 31.9 95.9

Manual Integrations
APPROVED

MMDadoda

5/10/2019 1:11:56 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.146 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009422.D

Acq: 09 May 2019 13:04

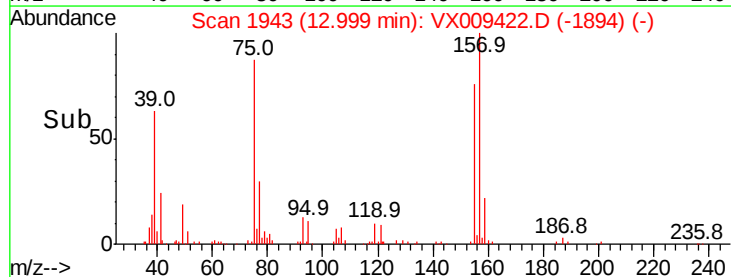
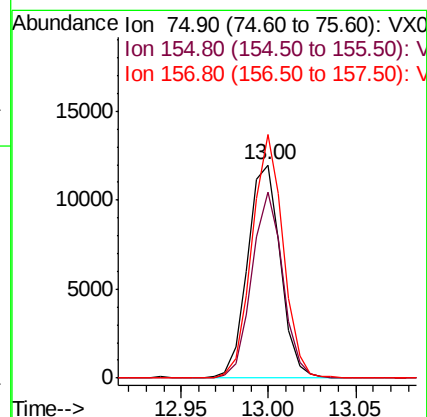
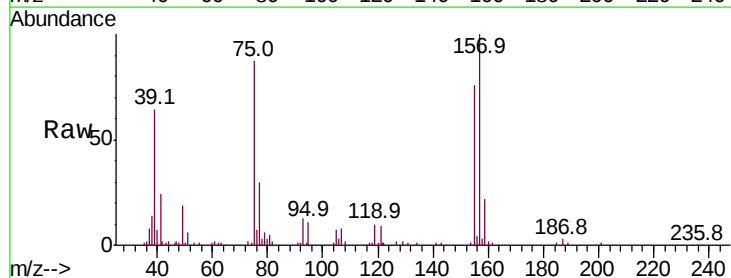
Tgt Ion: 75 Resp: 15684

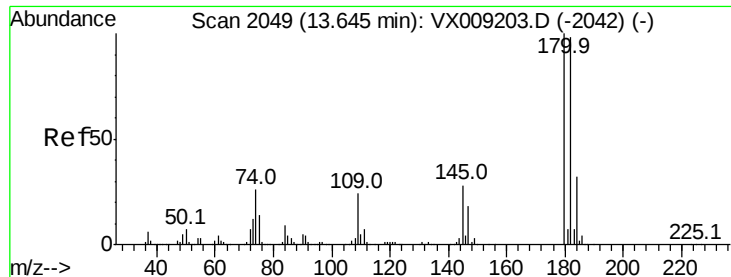
Ion Ratio Lower Upper

75 100

155 82.1 42.0 126.0

157 107.8 53.2 159.6





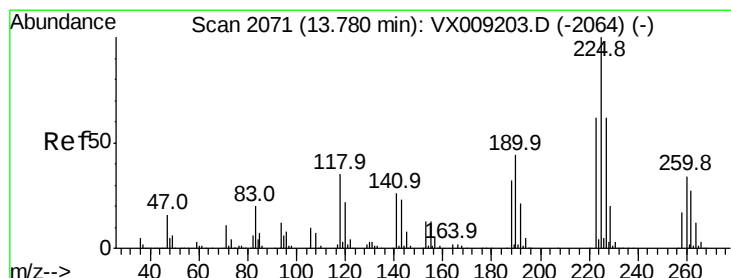
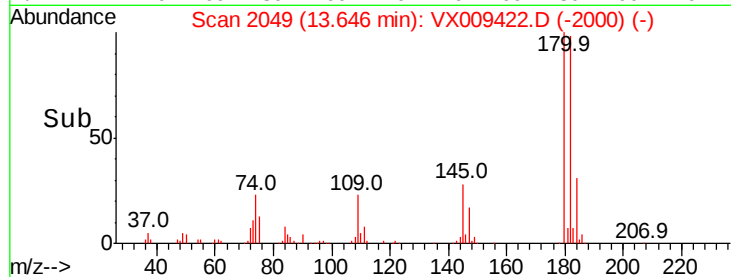
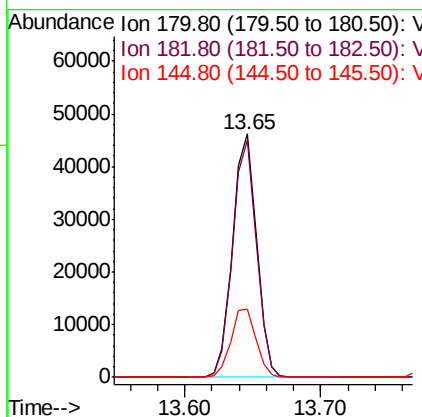
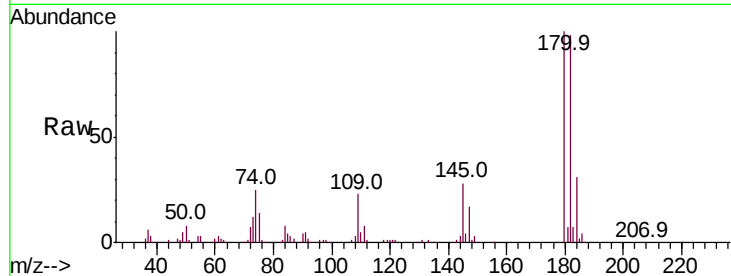
#93
 1,2,4-Trichlorobenzene
 Concen: 22.813 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.8	48.4	145.2	
145	29.3	14.6	43.8	

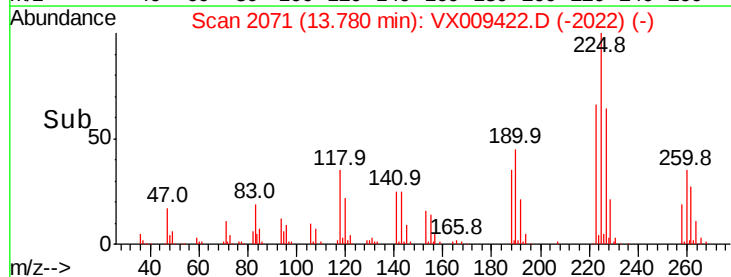
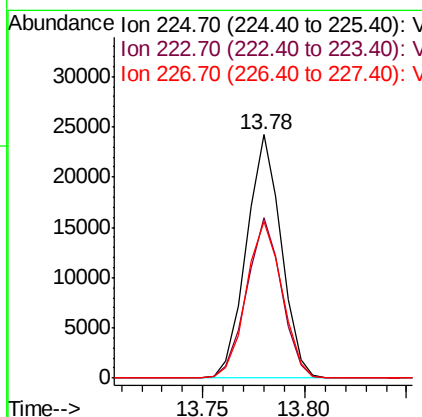
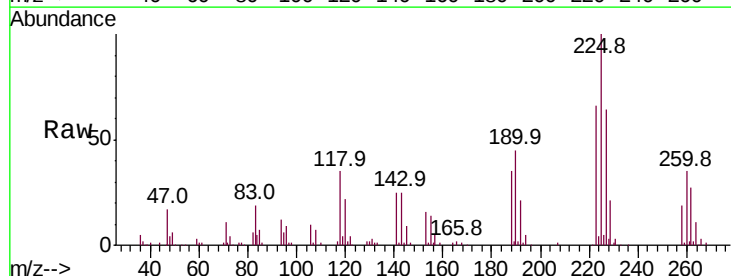
Manual Integrations
 APPROVED

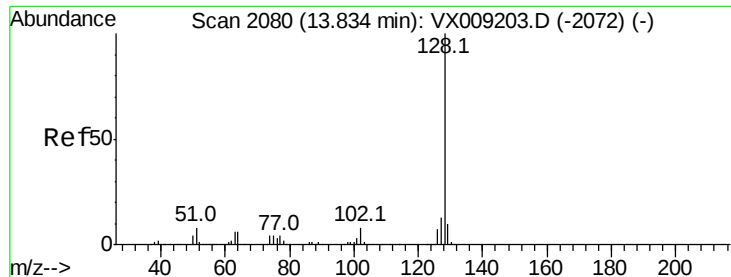
MMDadoda
 5/10/2019 1:11:56 PM



#94
 Hexachlorobutadiene
 Concen: 22.512 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009422.D
 Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.1	31.3	93.8	
227	66.2	31.8	95.3	





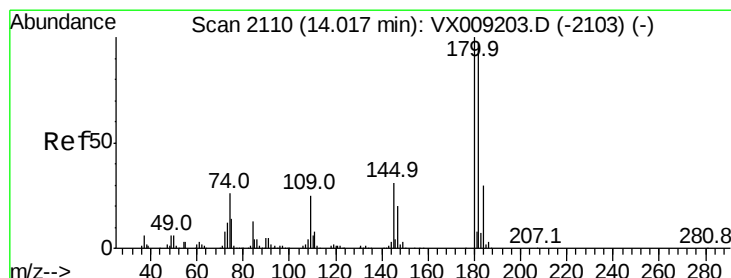
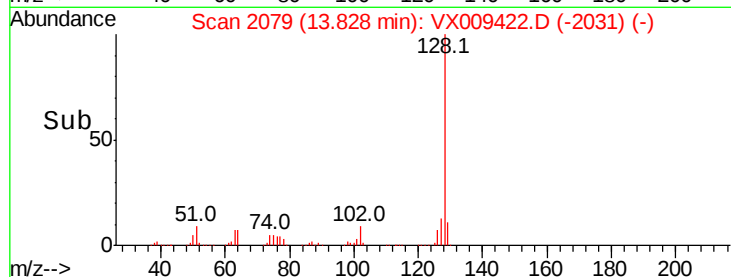
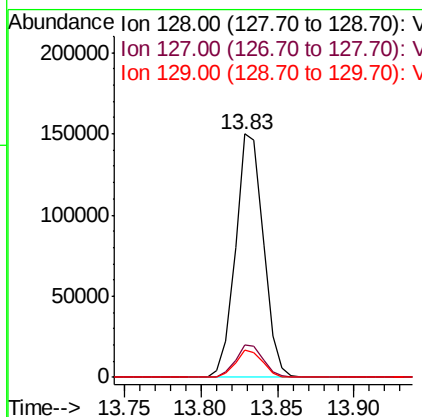
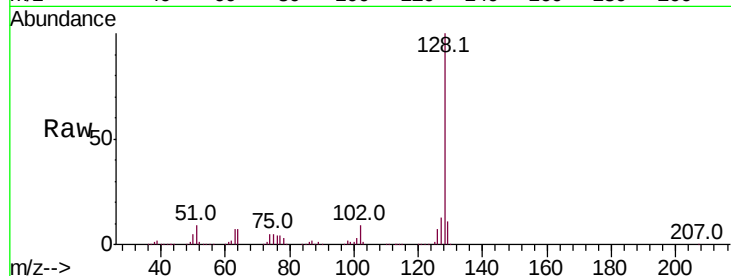
#95
Naphthalene
Concen: 23.321 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 23.414 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009422.D
Acq: 09 May 2019 13:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.8	143.4
145	31.0	15.4	46.4

