

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010474.D
 Acq On : 26 Jun 2019 19:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 10:11:54 AM

Quant Time: Jun 27 03:32:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	252968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383528	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	351347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	121782	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	5.49	113	120108	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	8.71	98	450429	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	168198	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	80892	45.995	ug/l	99
3) Chloromethane	1.32	50	93754	45.780	ug/l	97
4) Vinyl Chloride	1.41	62	101274	45.150	ug/l	99
5) Bromomethane	1.64	94	53000	48.500	ug/l	98
6) Chloroethane	1.71	64	65868	49.773	ug/l	97
7) Trichlorofluoromethane	1.92	101	175312	49.303	ug/l	99
8) Diethyl Ether	2.19	74	64186	50.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	103457	48.012	ug/l	99
10) Methyl Iodide	2.51	142	155027	50.411	ug/l	99
11) Tert butyl alcohol	3.06	59	148426	239.154	ug/l	99
12) 1,1-Dichloroethene	2.37	96	104635	47.720	ug/l	98
13) Acrolein	2.29	56	86658	210.483	ug/l	99
14) Allyl chloride	2.73	41	153295	49.244	ug/l	99
15) Acrylonitrile	3.14	53	313122	254.824	ug/l	99
16) Acetone	2.45	43	264260	222.313	ug/l	98
17) Carbon Disulfide	2.57	76	258558	43.953	ug/l	100
18) Methyl Acetate	2.78	43	121009	51.078	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	345780	50.128	ug/l	100
20) Methylene Chloride	2.85	84	119313	48.774	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	112552	47.727	ug/l	98
22) Diisopropyl ether	3.85	45	325274	49.977	ug/l	97
23) Vinyl Acetate	3.81	43	1446261	257.221	ug/l	99
24) 1,1-Dichloroethane	3.70	63	185666	49.351	ug/l	98
25) 2-Butanone	4.67	43	428955	246.009	ug/l	100
26) 2,2-Dichloropropane	4.59	77	144135	44.103	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	133467	48.976	ug/l	99
28) Bromochloromethane	5.01	49	88638	49.278	ug/l	99
29) Tetrahydrofuran	5.13	42	272472	252.282	ug/l	99
30) Chloroform	5.21	83	200014	49.412	ug/l	97
31) Cyclohexane	5.58	56	162384	47.398	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	177630	49.697	ug/l	100
36) 1,1-Dichloropropene	5.80	75	143315	47.024	ug/l	100
37) Ethyl Acetate	4.84	43	158513	50.556	ug/l	100
38) Carbon Tetrachloride	5.78	117	159364	48.288	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010474.D
 Acq On : 26 Jun 2019 19:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 10:11:54 AM

Quant Time: Jun 27 03:32:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	185043	46.190	ug/l	98
40) Benzene	6.14	78	460701	48.520	ug/l	98
41) Methacrylonitrile	5.04	41	85745	49.842	ug/l	98
42) 1,2-Dichloroethane	6.20	62	146544	50.702	ug/l	99
43) Isopropyl Acetate	6.45	43	262141	50.534	ug/l	99
44) Trichloroethene	7.21	130	135459	47.677	ug/l	99
45) 1,2-Dichloropropane	7.51	63	117157	48.861	ug/l	98
46) Dibromomethane	7.66	93	84724	49.248	ug/l	99
47) Bromodichloromethane	7.90	83	157213	49.865	ug/l	100
48) Methyl methacrylate	7.77	41	122723	50.897	ug/l	100
49) 1,4-Dioxane	7.74	88	69361	998.573	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	858872	258.878	ug/l	99
52) Toluene	8.78	92	301597	48.233	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	170091	48.121	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	188157	48.984	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	128812	49.950	ug/l	99
56) Ethyl methacrylate	9.18	69	198206	50.737	ug/l	98
57) 1,3-Dichloropropane	9.37	76	199863	49.927	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	443939	239.277	ug/l	99
59) 2-Hexanone	9.49	43	662372	253.672	ug/l	99
60) Dibromochloromethane	9.58	129	143595	49.731	ug/l	99
61) 1,2-Dibromoethane	9.67	107	137530	49.408	ug/l	99
64) Tetrachloroethene	9.34	164	133714	47.053	ug/l	97
65) Chlorobenzene	10.13	112	346520	48.580	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	130961	50.404	ug/l	100
67) Ethyl Benzene	10.25	91	589993	48.994	ug/l	100
68) m/p-Xylenes	10.36	106	458325	98.226	ug/l	100
69) o-Xylene	10.69	106	227039	49.479	ug/l	99
70) Styrene	10.71	104	389946	50.674	ug/l	100
71) Bromoform	10.85	173	114896	50.851	ug/l	98
73) Isopropylbenzene	11.02	105	602305	48.419	ug/l	98
74) N-amyl acetate	10.90	43	243163	51.724	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	204813	49.716	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	166885m	49.906	ug/l	
77) Bromobenzene	11.26	156	165175	47.553	ug/l	99
78) n-propylbenzene	11.36	91	675573	49.414	ug/l	99
79) 2-Chlorotoluene	11.42	91	394348	48.439	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	503644	49.113	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	65201	45.487	ug/l	96
82) 4-Chlorotoluene	11.51	91	454568	49.070	ug/l	99
83) tert-Butylbenzene	11.77	119	502044	48.777	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	510908	49.588	ug/l	100
85) sec-Butylbenzene	11.94	105	594862	49.223	ug/l	99
86) p-Isopropyltoluene	12.06	119	551095	49.301	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	293755	48.449	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	292401	47.371	ug/l	100
89) n-Butylbenzene	12.38	91	470930	49.578	ug/l	100
90) Hexachloroethane	12.59	117	95494	49.405	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	292310	48.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41963	47.244	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
Data File : VX010474.D
Acq On : 26 Jun 2019 19:39
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

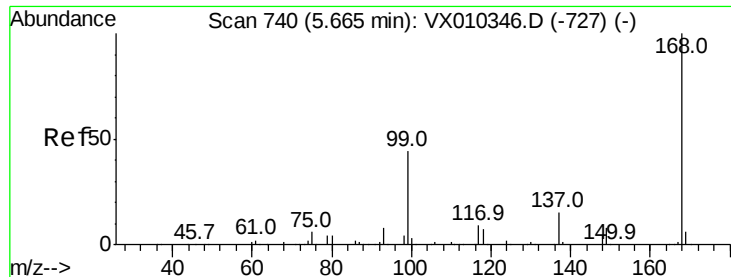
Manual Integrations
APPROVED

MMDadoda
6/27/2019 10:11:54 AM

Quant Time: Jun 27 03:32:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	207403	49.630	ug/l	99
94) Hexachlorobutadiene	13.78	225	96792	47.391	ug/l	99
95) Naphthalene	13.83	128	641277	49.935	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	206052	49.592	ug/l	99

(#) = 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: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion:168 Resp: 252968

Ion Ratio Lower Upper

168 100

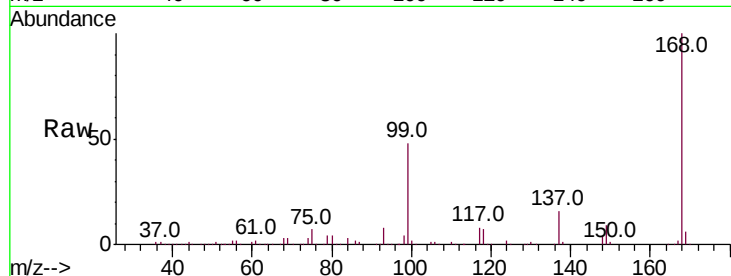
99 47.4 35.5 53.3

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

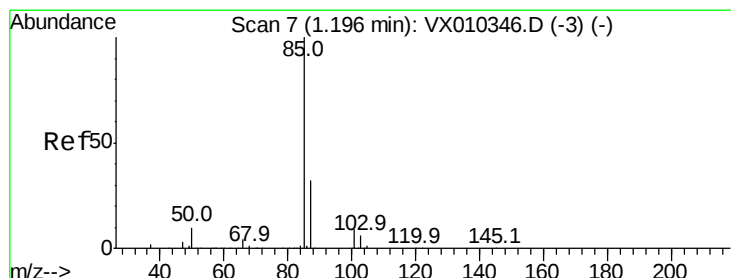
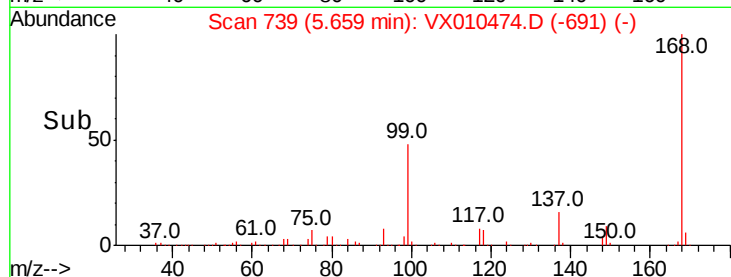
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.995 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010474.D

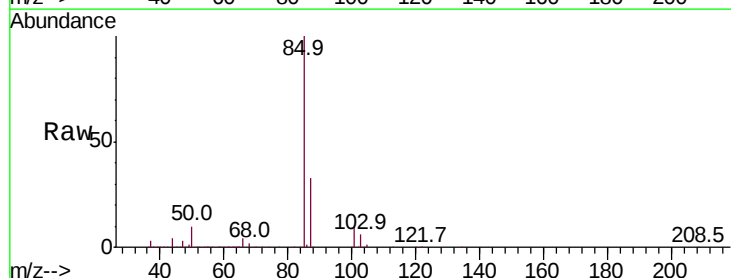
Acq: 26 Jun 2019 19:39

Tgt Ion: 85 Resp: 80892

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

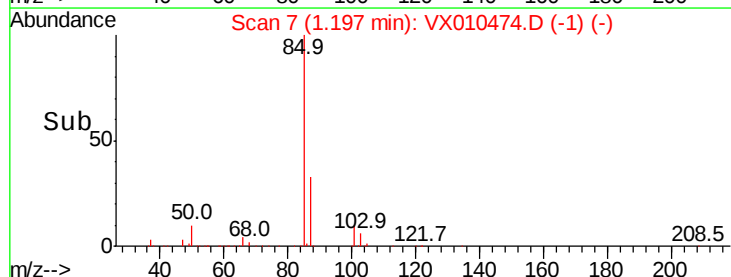
60000

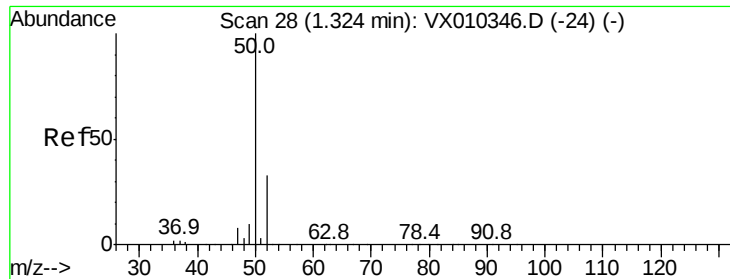
40000

20000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 45.780 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 93754

Ion Ratio Lower Upper

50 100

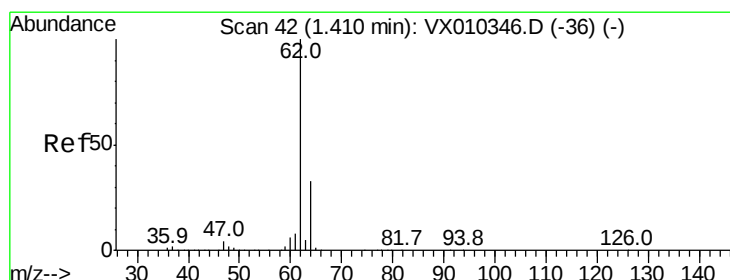
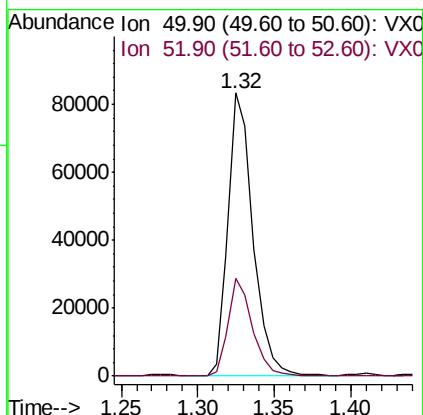
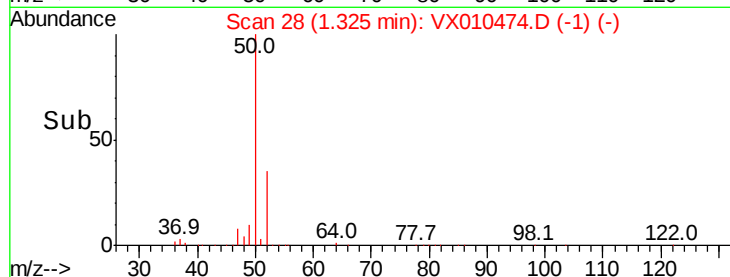
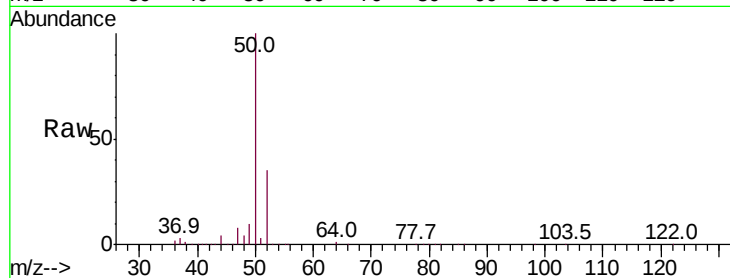
52 34.8 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#4

Vinyl Chloride

Concen: 45.150 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010474.D

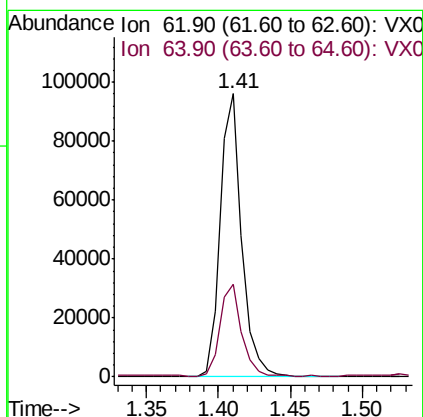
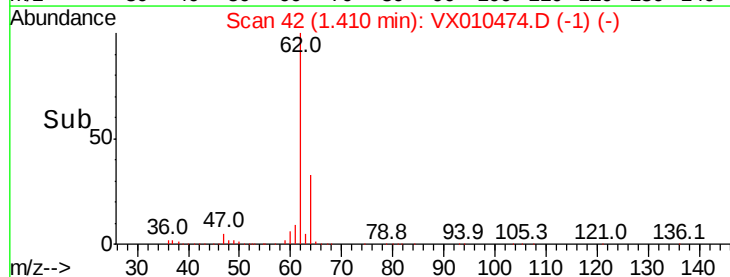
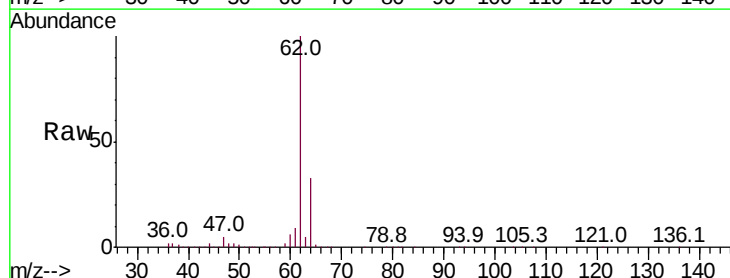
Acq: 26 Jun 2019 19:39

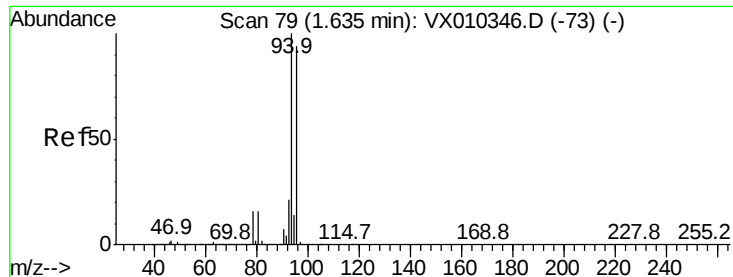
Tgt Ion: 62 Resp: 101274

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.4





#5

Bromomethane

Concen: 48.500 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 53000

Ion Ratio Lower Upper

94 100

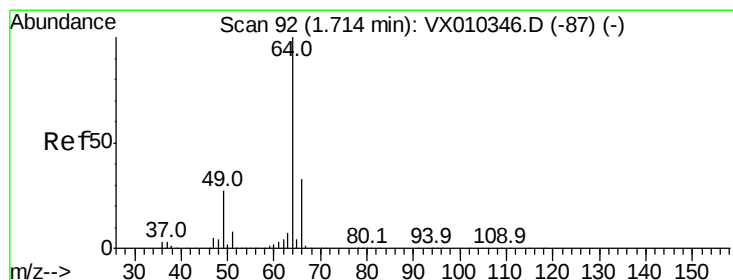
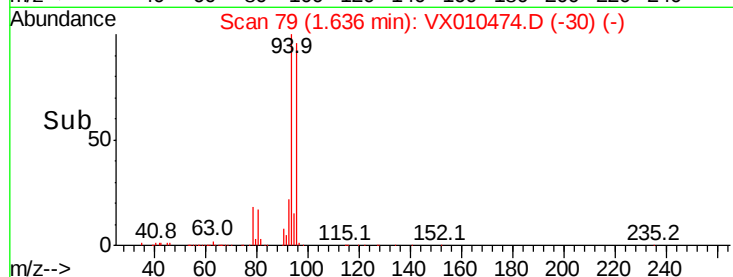
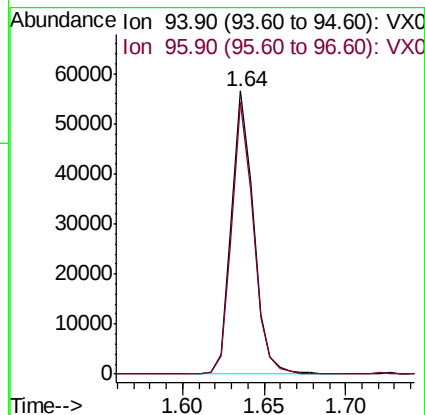
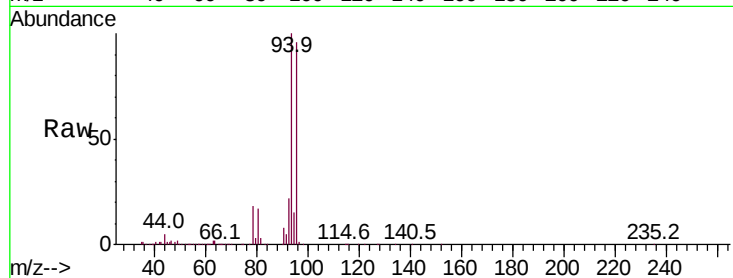
96 96.3 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#6

Chloroethane

Concen: 49.773 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010474.D

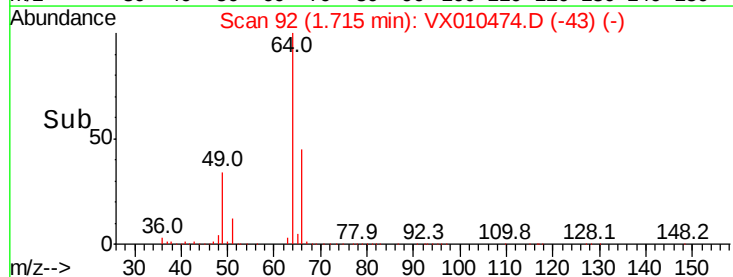
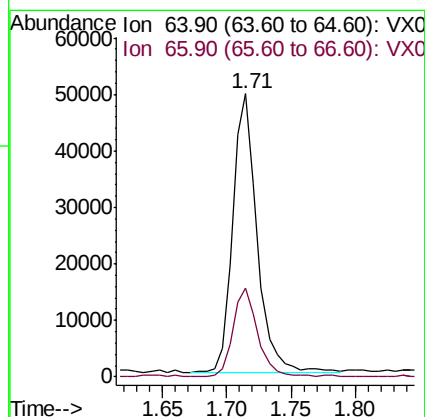
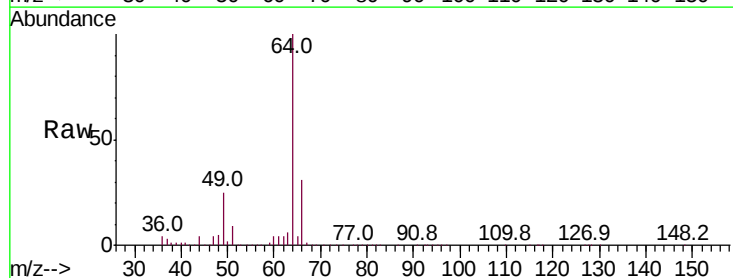
Acq: 26 Jun 2019 19:39

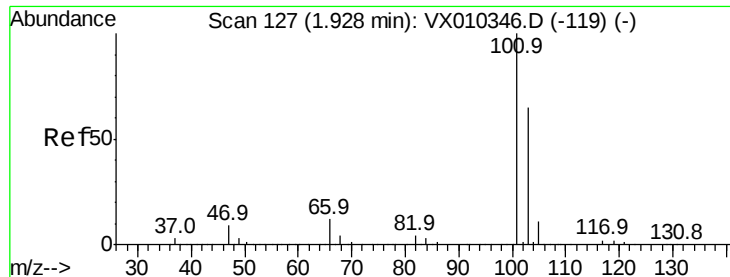
Tgt Ion: 64 Resp: 65868

Ion Ratio Lower Upper

64 100

66 31.6 26.6 40.0





#7

Trichlorofluoromethane

Concen: 49.303 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.01 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 175312

Ion Ratio Lower Upper

101 100

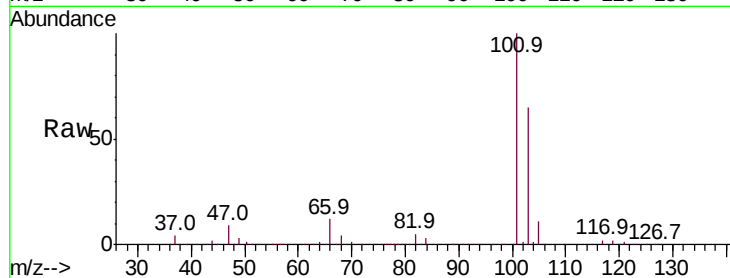
103 64.6 52.3 78.5

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

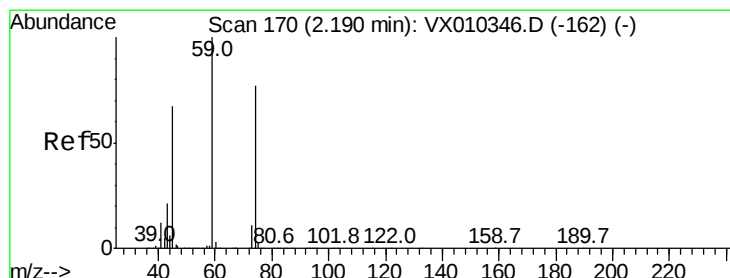
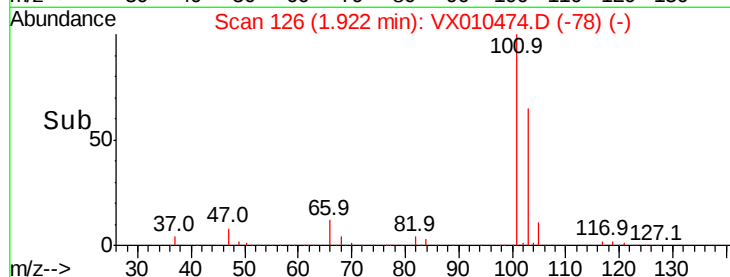
1.92

100000

50000

0

Time--> 1.80 1.90 2.00 2.10



#8

Diethyl Ether

Concen: 50.336 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX010474.D

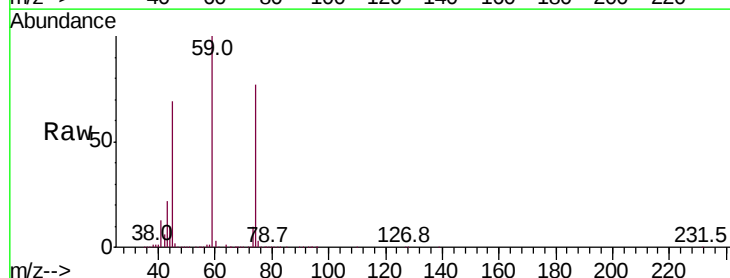
Acq: 26 Jun 2019 19:39

Tgt Ion: 74 Resp: 64186

Ion Ratio Lower Upper

74 100

45 89.0 44.8 134.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

50000

40000

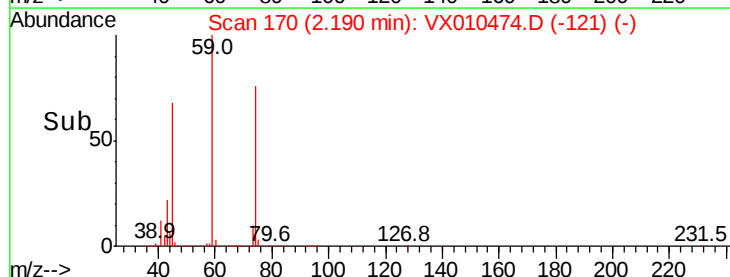
30000

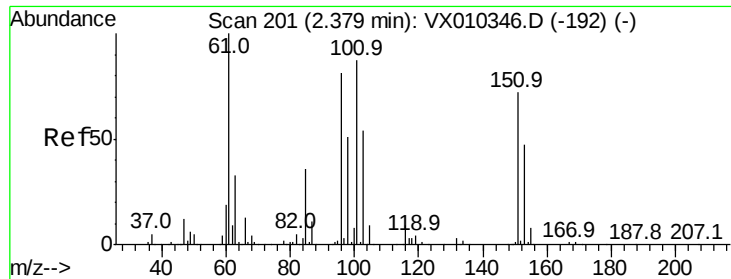
20000

10000

0

Time--> 2.10 2.20 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.012 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

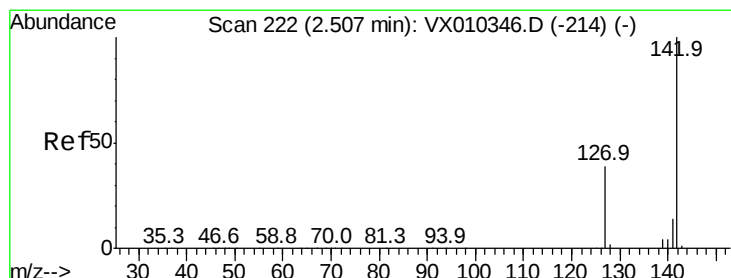
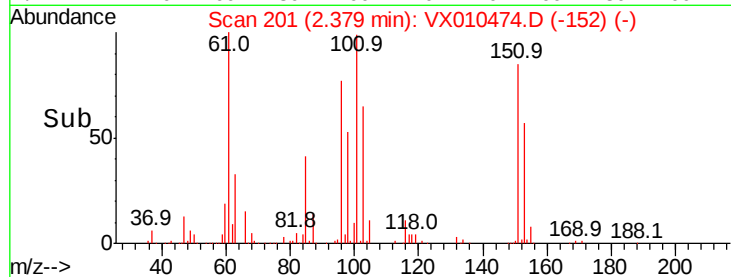
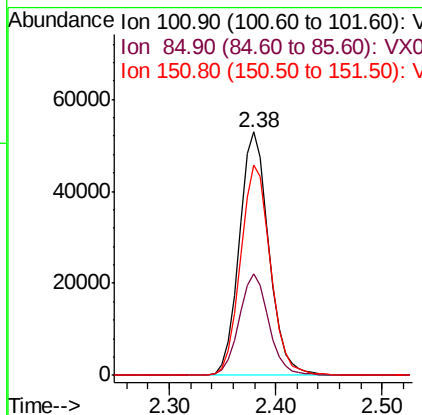
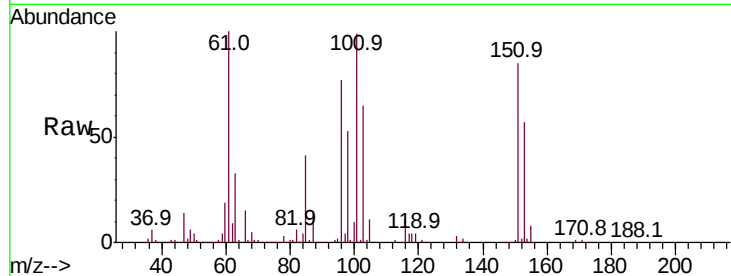
ClientSampled :

VSTDCCC050EC

Tot Ion:	101	Resp:	103457
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.7	50.5
151	87.1	70.1	105.1

Manual Integrations
APPROVED

MMDadoda
6/27/2019 10:11:54 AM



#10

Methyl Iodide

Concen: 50.411 ug/l

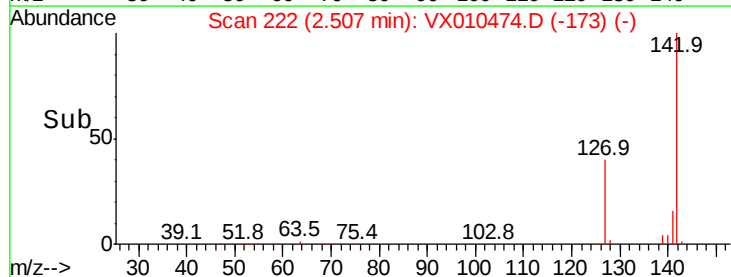
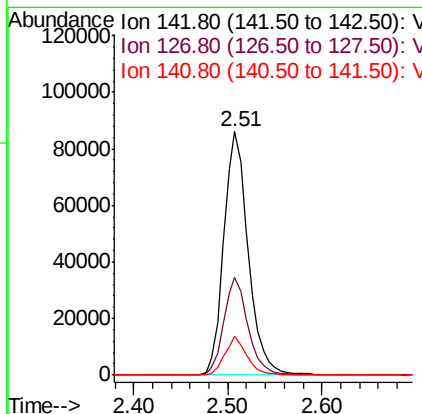
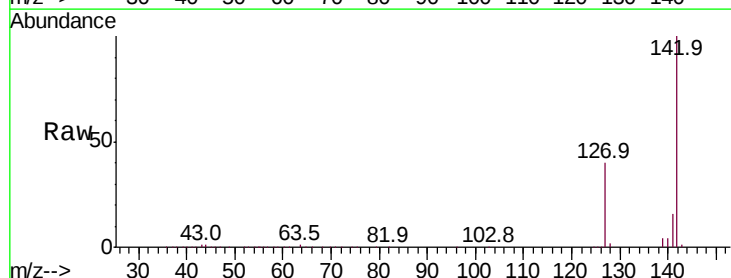
RT: 2.51 min Scan# 222

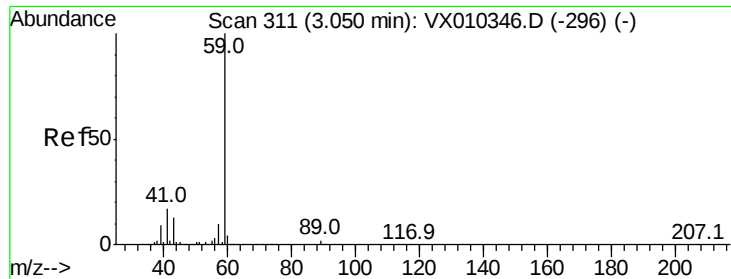
Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Tgt Ion:	142	Resp:	155027
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.1	46.7
141	14.4	11.2	16.8





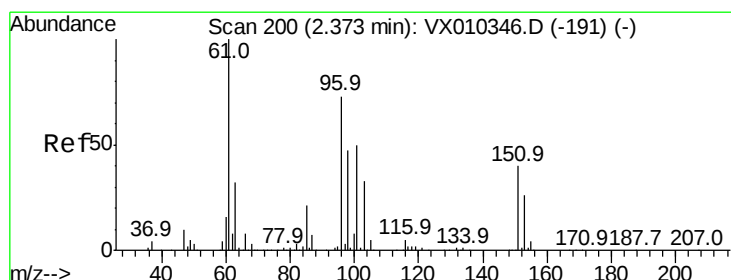
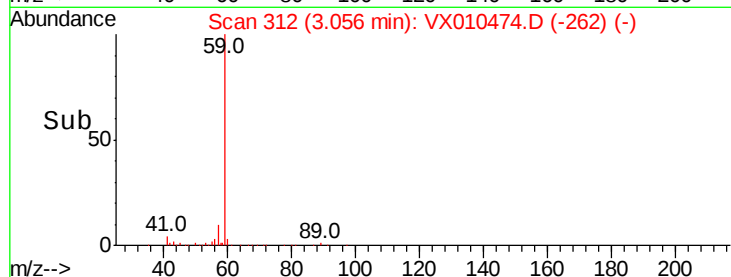
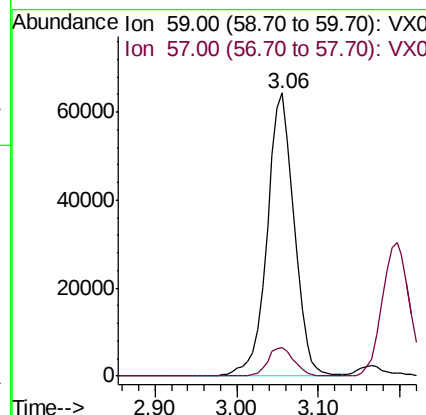
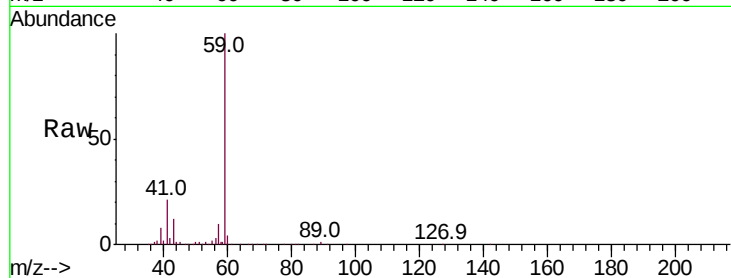
#11
Tert butyl alcohol
Concen: 239.154 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 148426
Ion Ratio Lower Upper
59 100
57 10.0 7.7 11.5

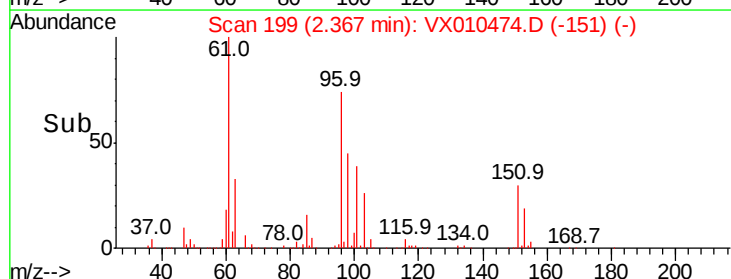
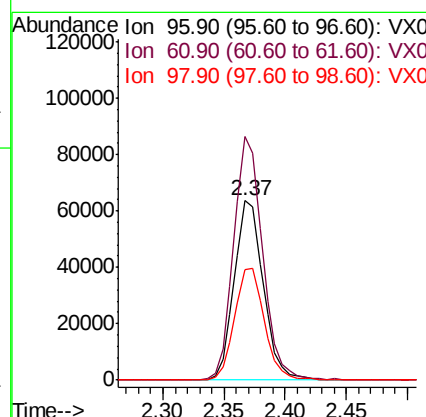
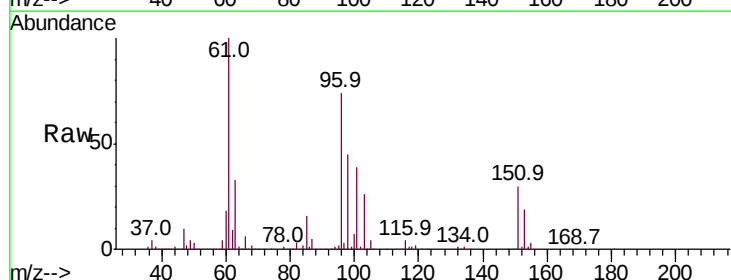
Manual Integrations
APPROVED

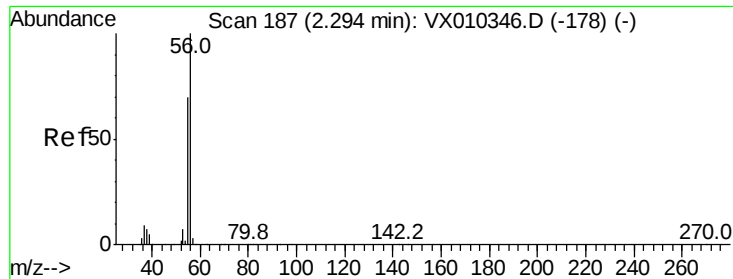
MMDadoda
6/27/2019 10:11:54 AM



#12
1,1-Dichloroethene
Concen: 47.720 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion: 96 Resp: 104635
Ion Ratio Lower Upper
96 100
61 135.5 109.2 163.8
98 61.5 51.1 76.7





#13

Acrolein

Concen: 210.483 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 86658

Ion Ratio Lower Upper

56 100

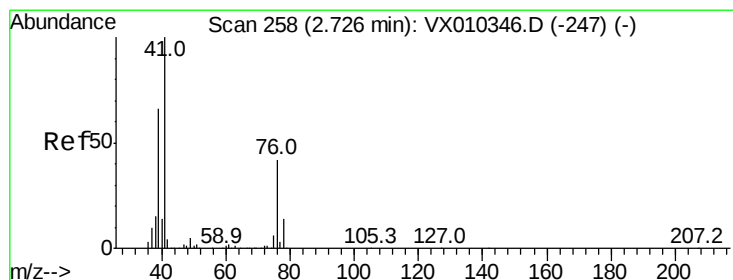
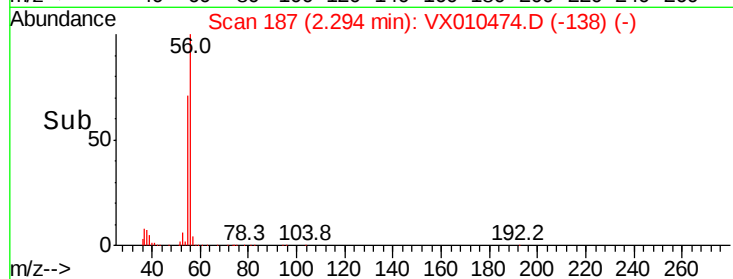
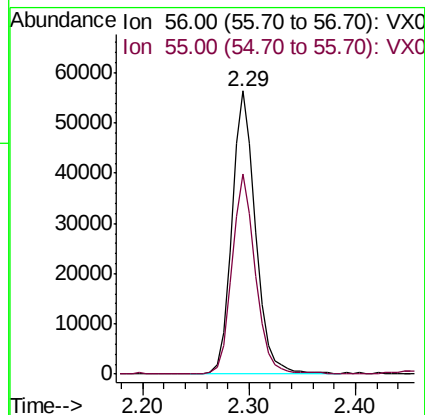
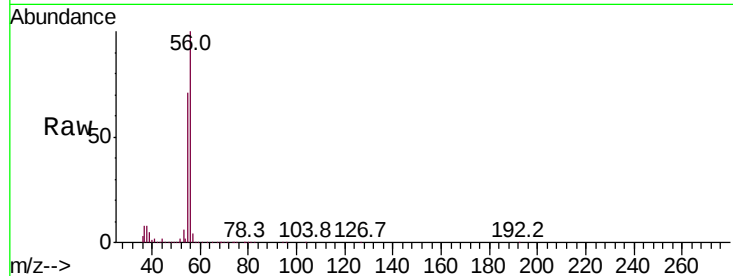
55 70.4 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#14

Allyl chloride

Concen: 49.244 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

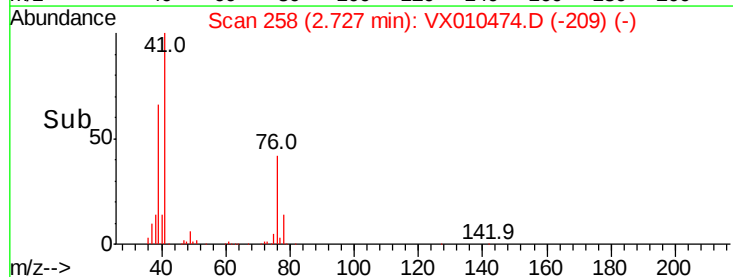
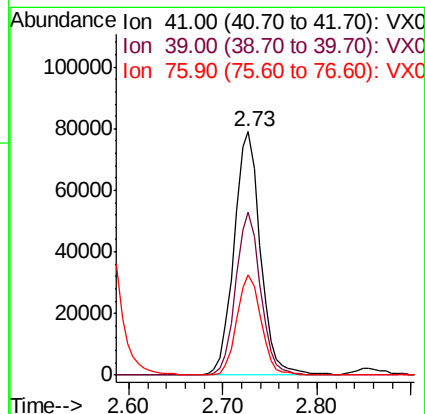
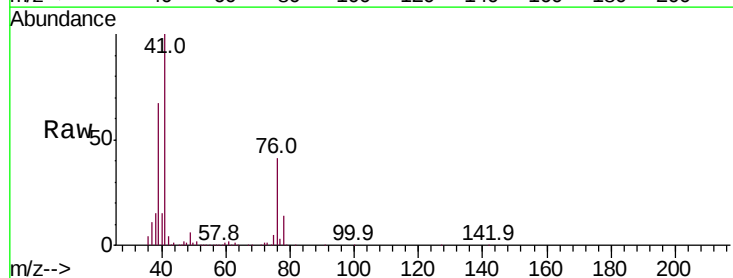
Tgt Ion: 41 Resp: 153295

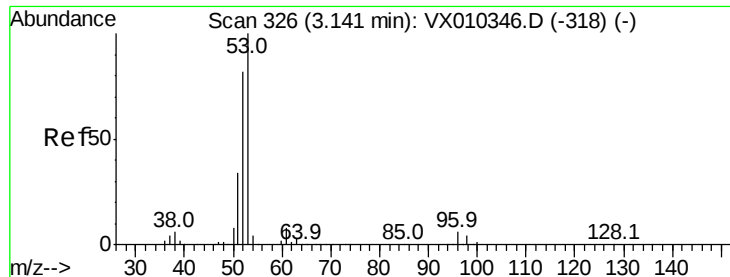
Ion Ratio Lower Upper

41 100

39 62.6 50.3 75.5

76 38.1 31.3 46.9





#15

Acrylonitrile

Concen: 254.824 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

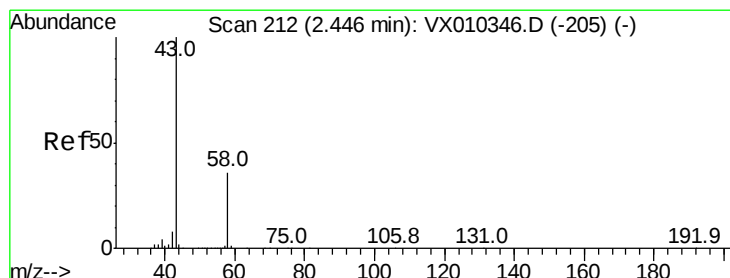
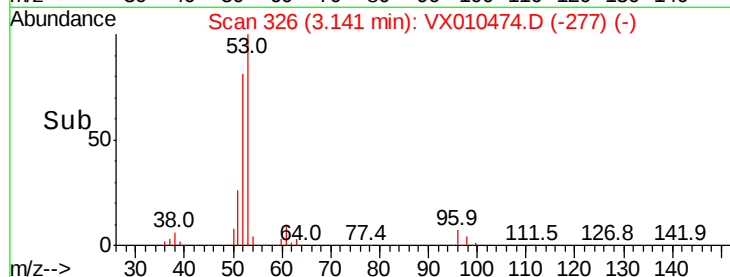
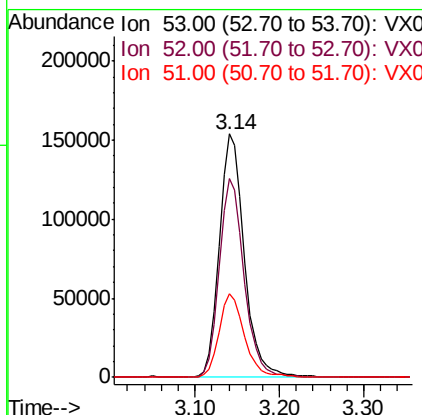
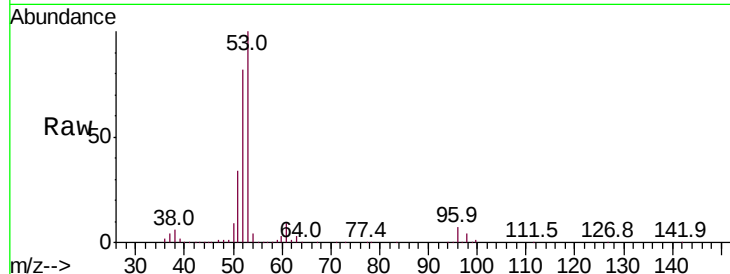
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	313122
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.5	98.3
51	34.8	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
6/27/2019 10:11:54 AM



#16

Acetone

Concen: 222.313 ug/l

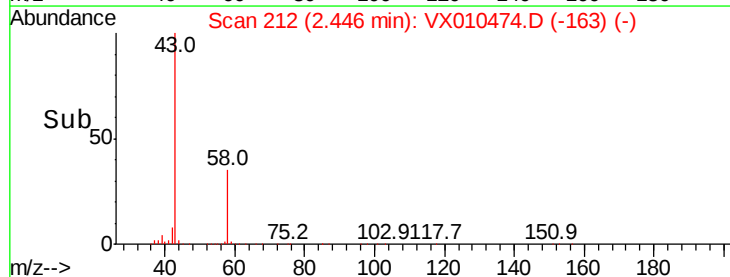
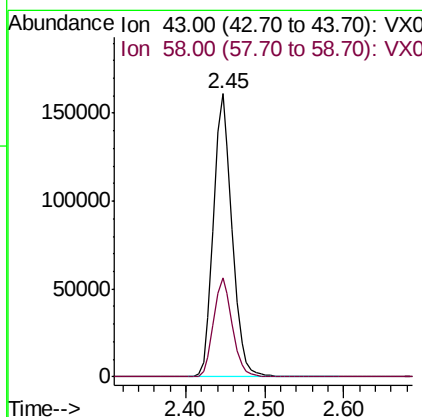
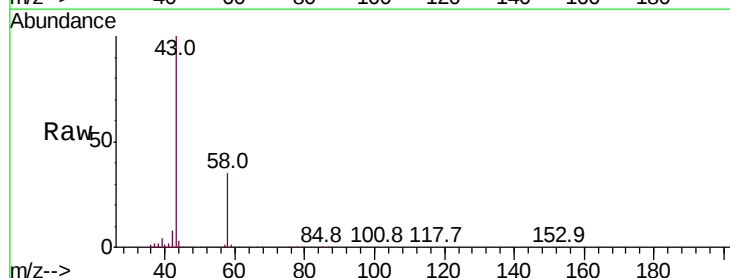
RT: 2.45 min Scan# 212

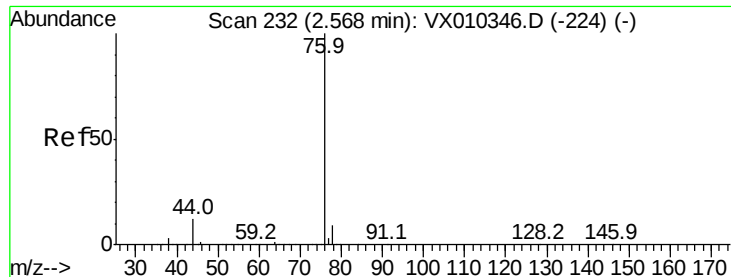
Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Tgt Ion:	43	Resp:	264260
Ion Ratio	Lower	Upper	
43	100		
58	35.1	28.9	43.3





#17

Carbon Disulfide

Concen: 43.953 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 258558

Ion Ratio Lower Upper

76 100

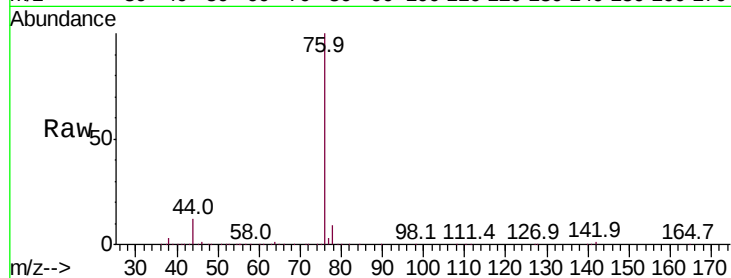
78 9.0 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

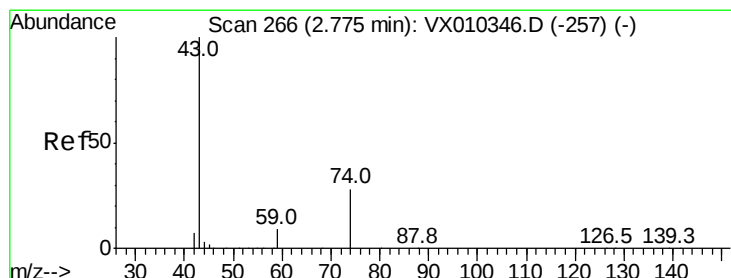
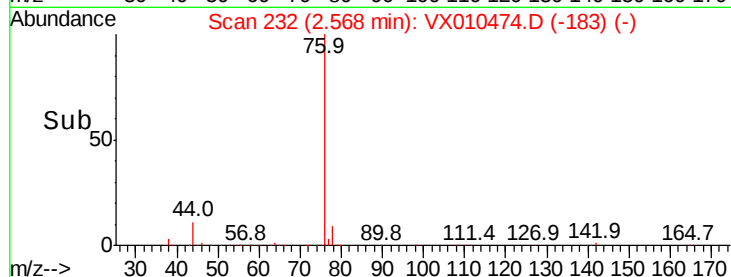
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 51.078 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010474.D

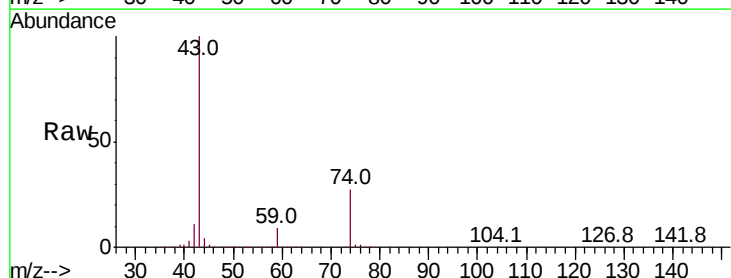
Acq: 26 Jun 2019 19:39

Tgt Ion: 43 Resp: 121009

Ion Ratio Lower Upper

43 100

74 25.6 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

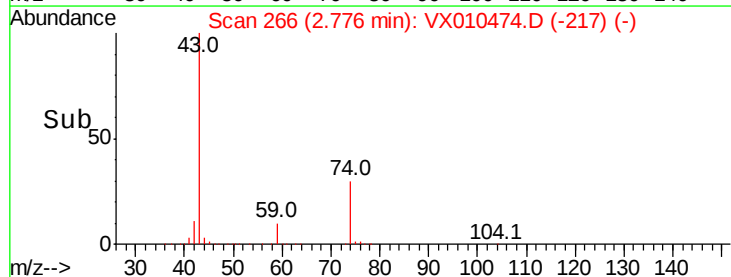
60000

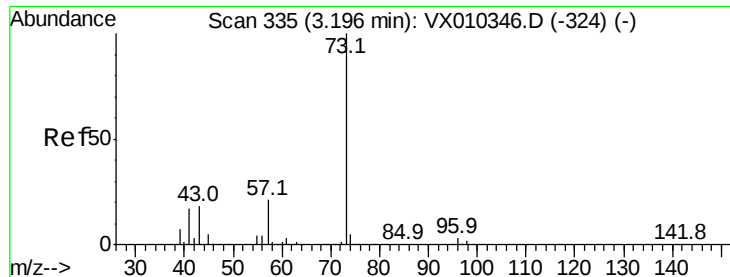
40000

20000

0

Time-->





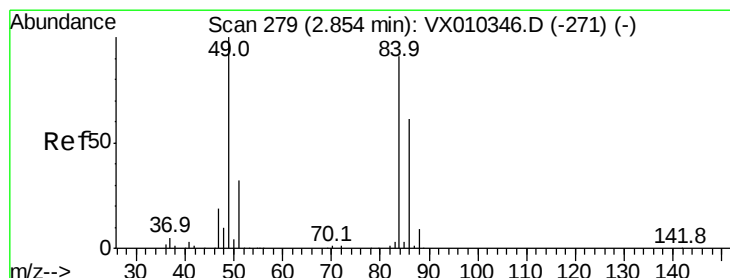
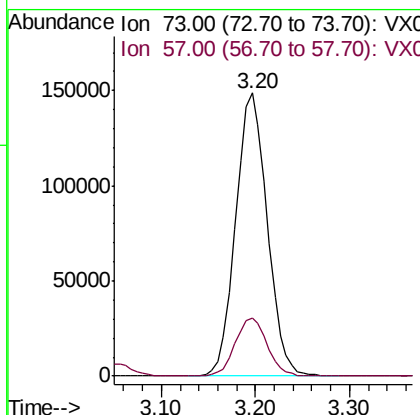
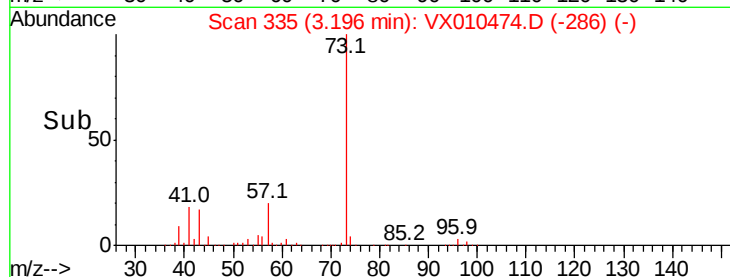
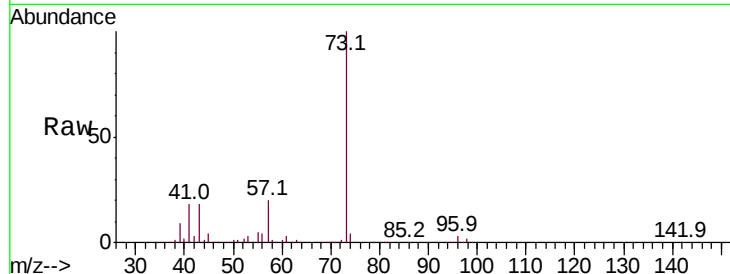
#19
Methyl tert-butyl Ether
Concen: 50.128 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 345780
Ion Ratio Lower Upper
73 100
57 20.4 16.4 24.6

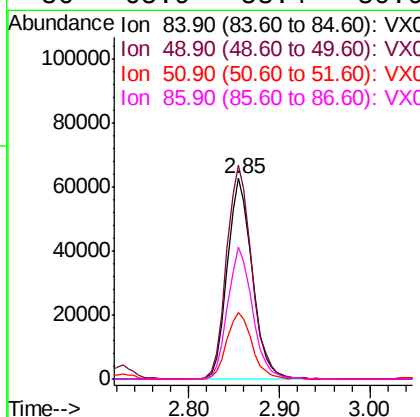
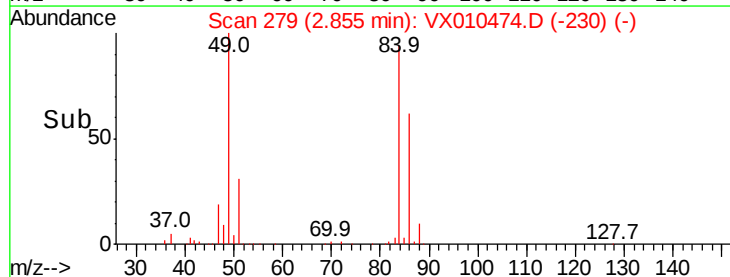
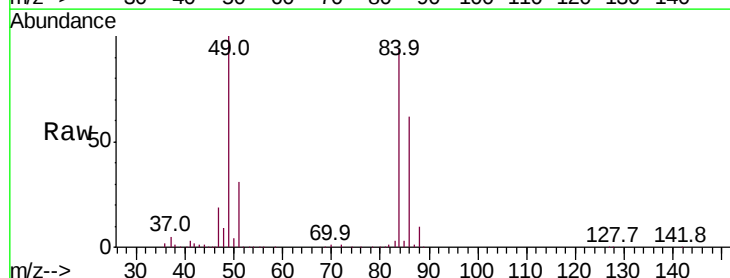
Manual Integrations
APPROVED

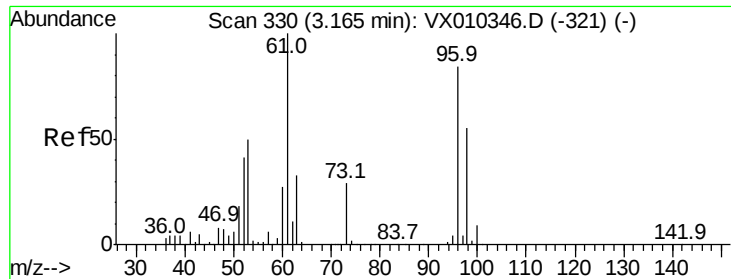
MMDadoda
6/27/2019 10:11:54 AM



#20
Methylene Chloride
Concen: 48.774 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion: 84 Resp: 119313
Ion Ratio Lower Upper
84 100
49 106.5 87.5 131.3
51 32.8 27.7 41.5
86 65.9 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 47.727 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 112552

Ion Ratio Lower Upper

96 100

61 118.0 95.6 143.4

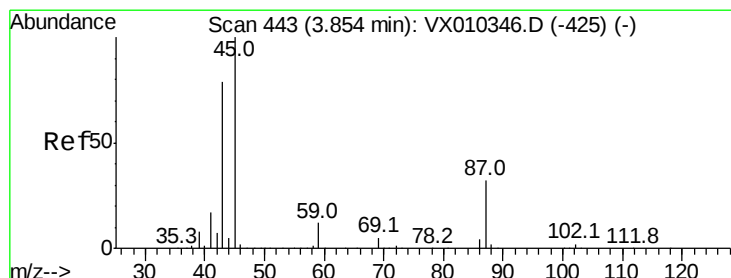
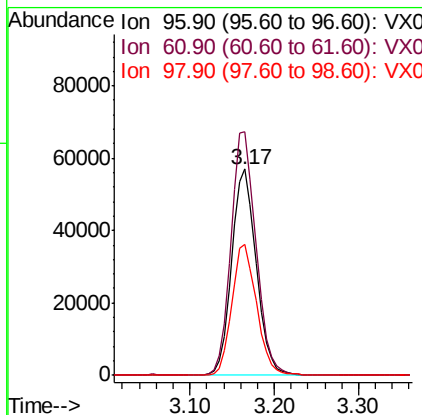
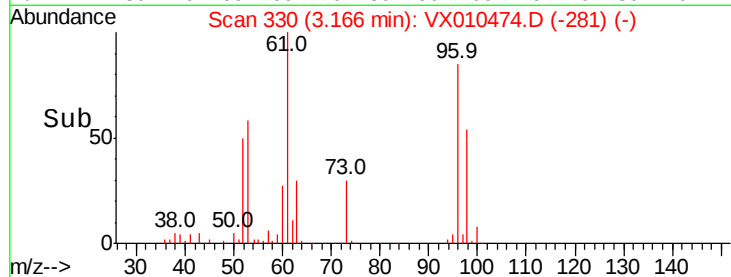
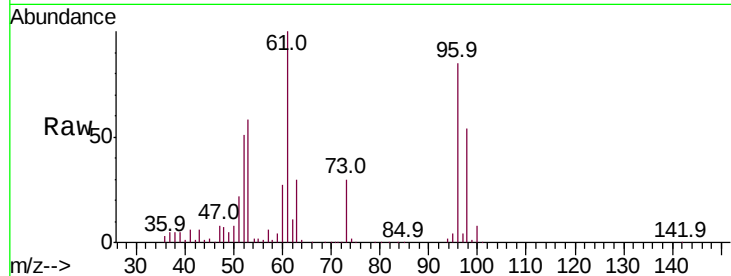
98 63.7 52.5 78.7

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#22

Diisopropyl ether

Concen: 49.977 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Tgt Ion: 45 Resp: 325274

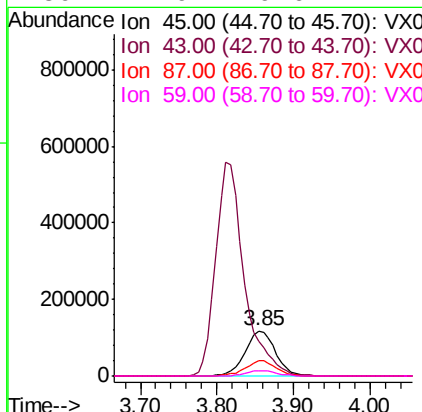
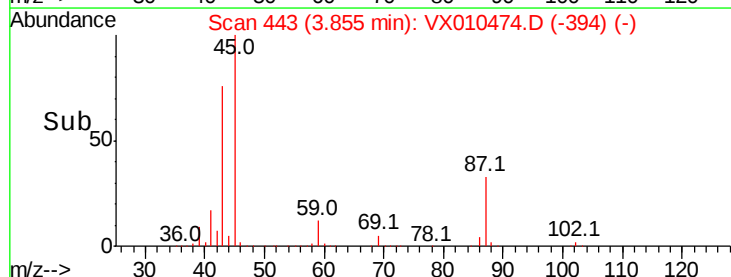
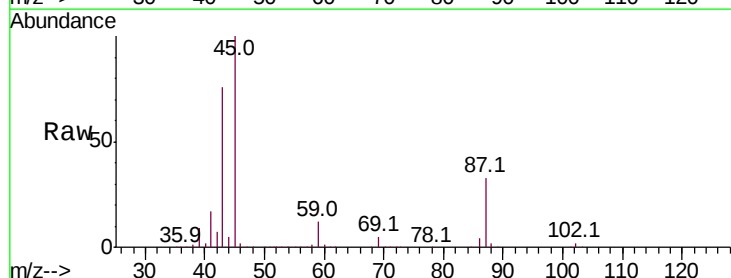
Ion Ratio Lower Upper

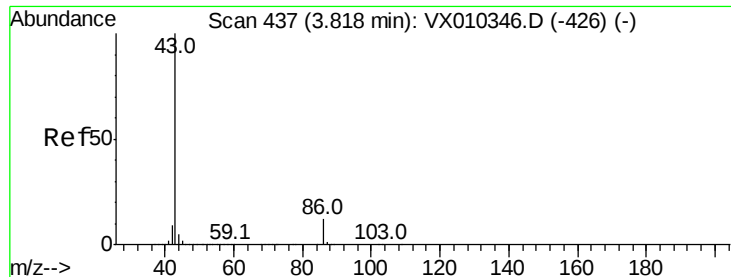
45 100

43 75.2 63.3 94.9

87 32.7 25.8 38.8

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 257.221 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1446261

Ion Ratio Lower Upper

43 100

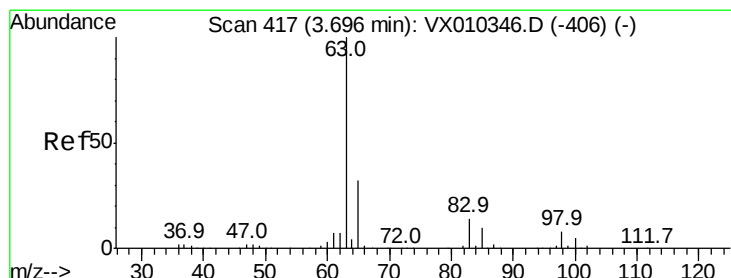
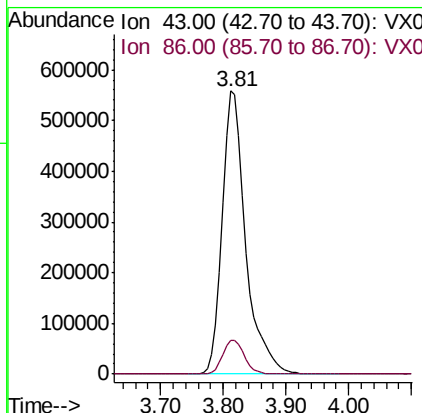
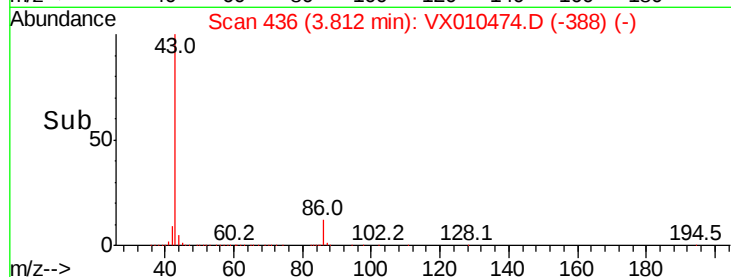
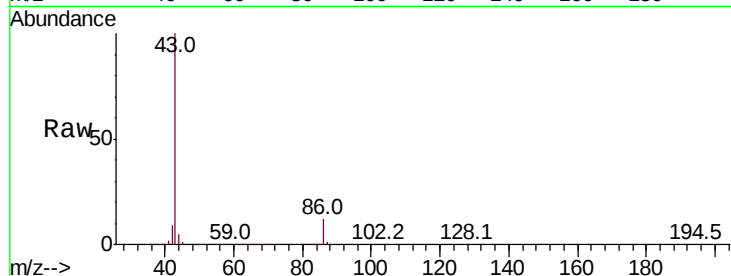
86 11.9 9.9 14.9

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#24

1,1-Dichloroethane

Concen: 49.351 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

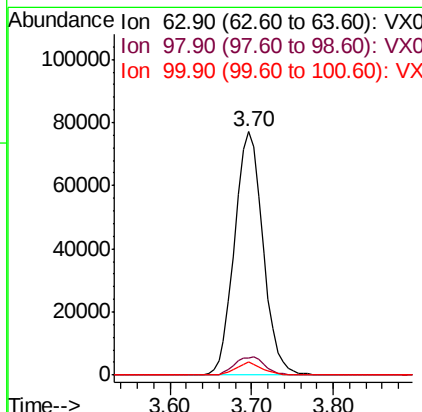
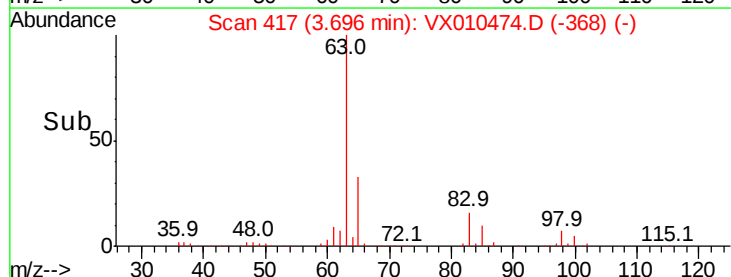
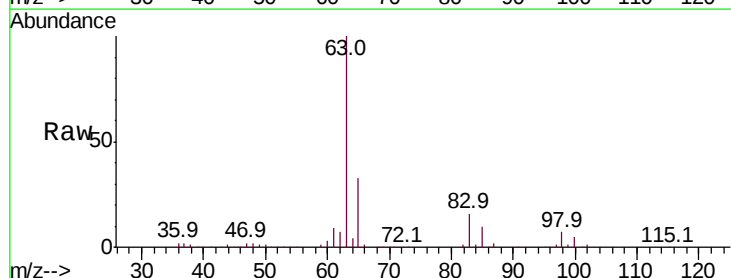
Tgt Ion: 63 Resp: 185666

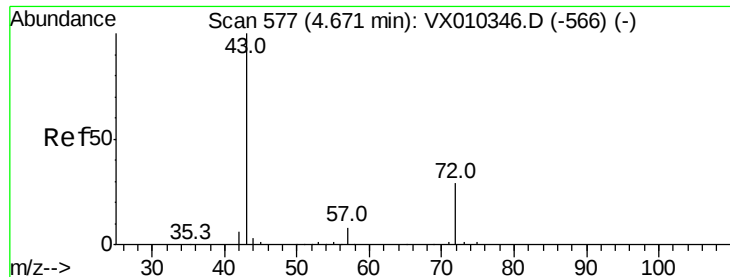
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.7

100 5.2 2.4 7.1





#25

2-Butanone

Concen: 246.009 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 428955

Ion Ratio Lower Upper

43 100

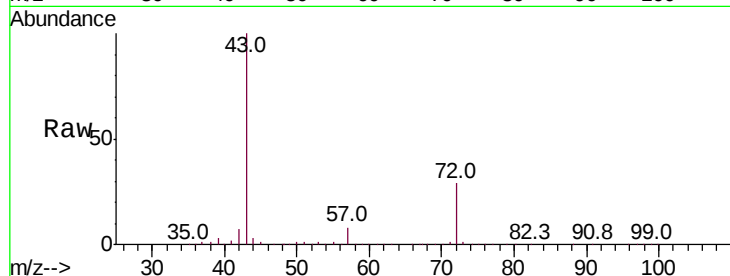
72 29.0 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

100000

50000

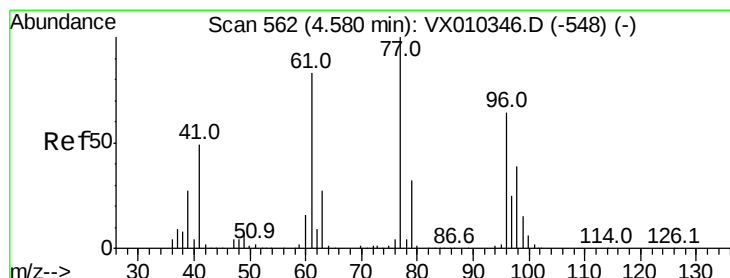
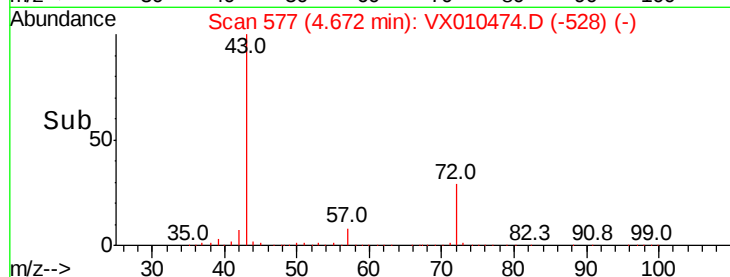
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 44.103 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010474.D

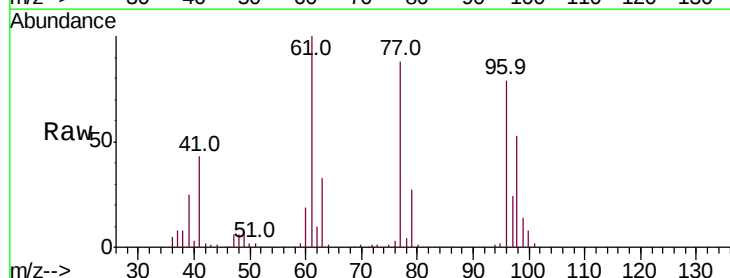
Acq: 26 Jun 2019 19:39

Tgt Ion: 77 Resp: 144135

Ion Ratio Lower Upper

77 100

97 26.3 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

20000

10000

0

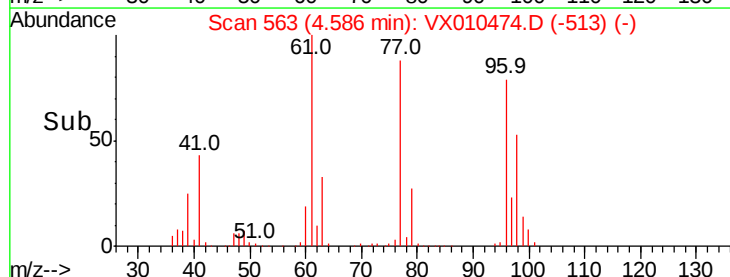
4.40

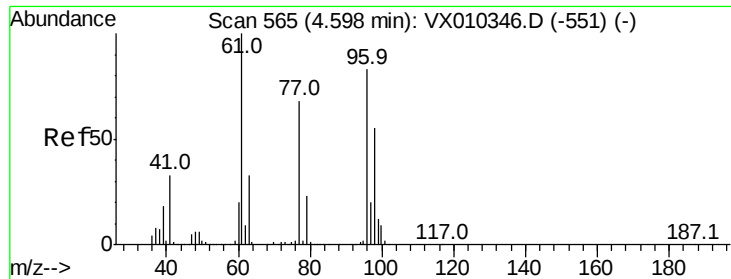
4.50

4.60

4.70

Time-->





#27

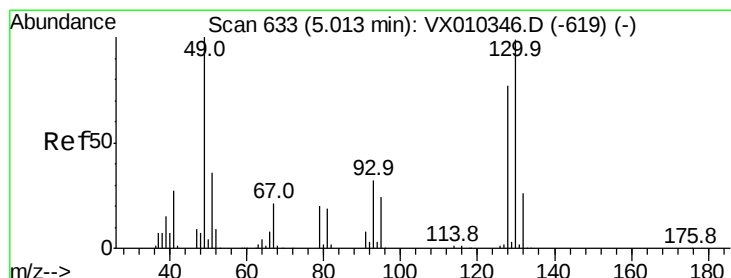
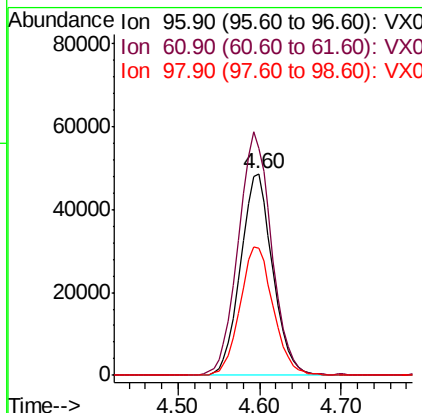
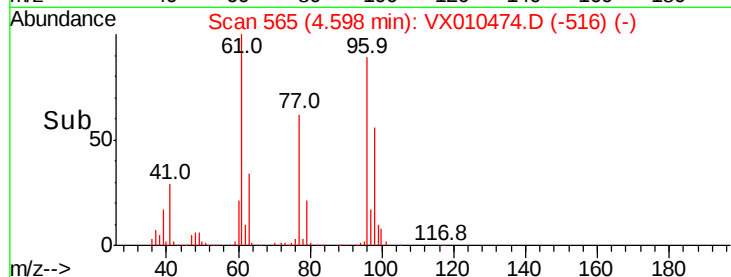
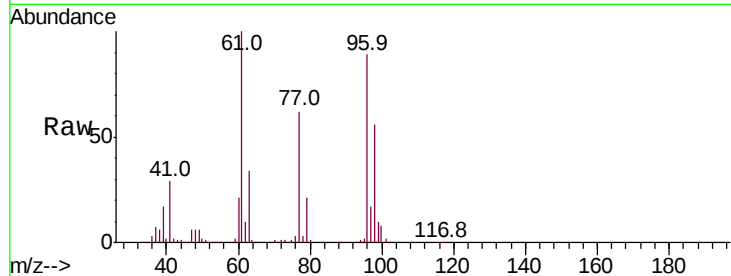
cis-1,2-Dichloroethene
 Concen: 48.976 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010474.D
 Acq: 26 Jun 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	124.9	0.0	251.8	
98	65.8	0.0	129.4	

Manual Integrations
 APPROVED

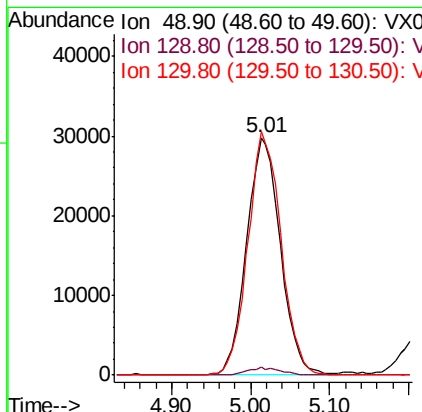
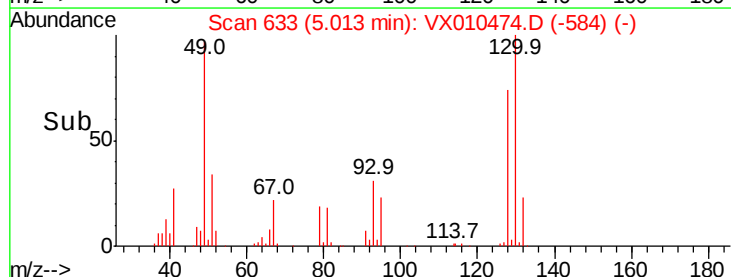
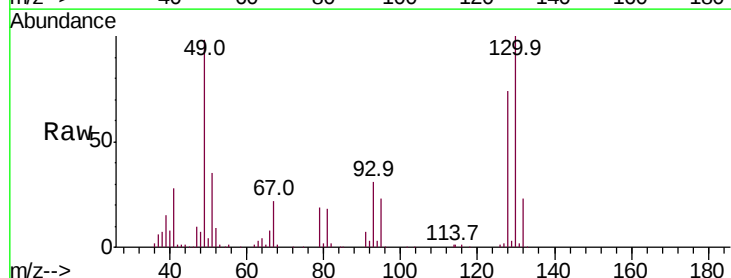
MMDadoda
 6/27/2019 10:11:54 AM

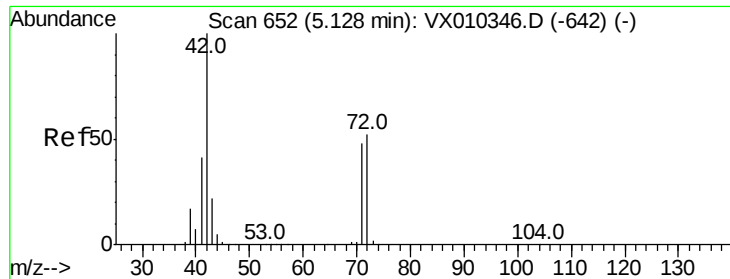


#28

Bromochloromethane
 Concen: 49.278 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010474.D
 Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.1	0.0	5.6	
130	100.4	81.4	122.0	





#29

Tetrahydrofuran

Concen: 252.282 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 42 Resp: 272472

Ion Ratio Lower Upper

42 100

72 50.5 40.6 60.8

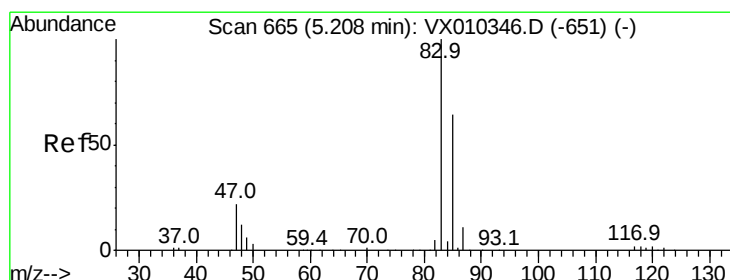
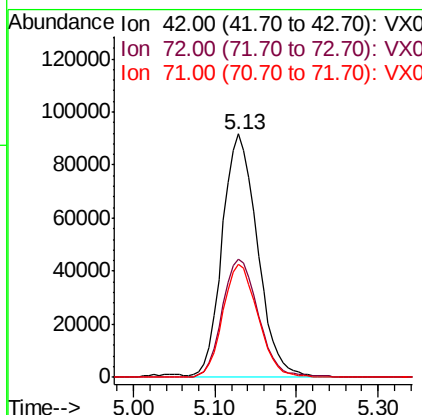
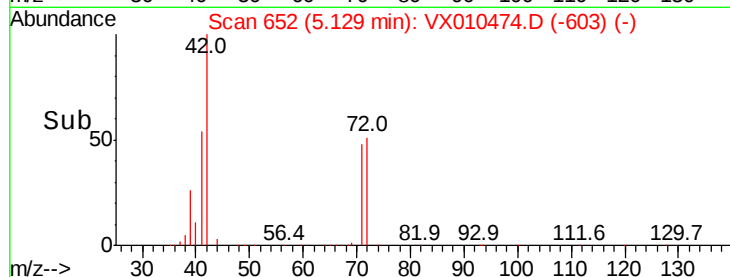
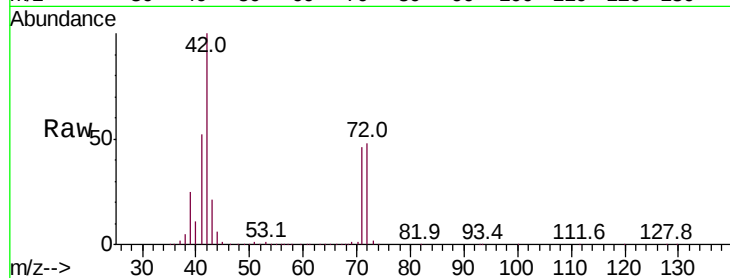
71 46.9 37.8 56.8

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#30

Chloroform

Concen: 49.412 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX010474.D

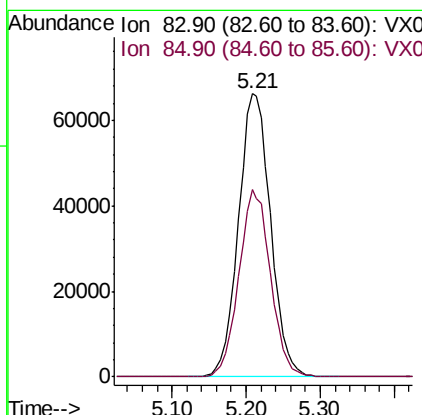
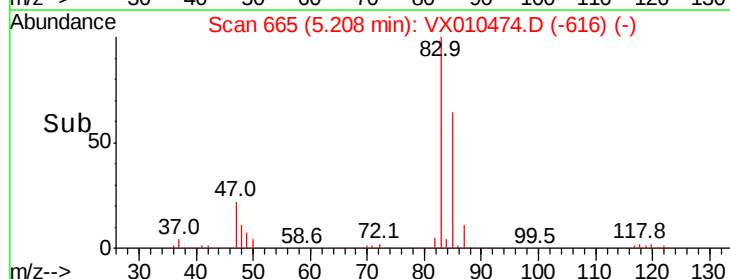
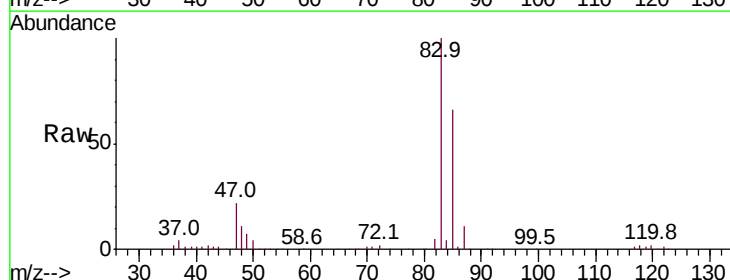
Acq: 26 Jun 2019 19:39

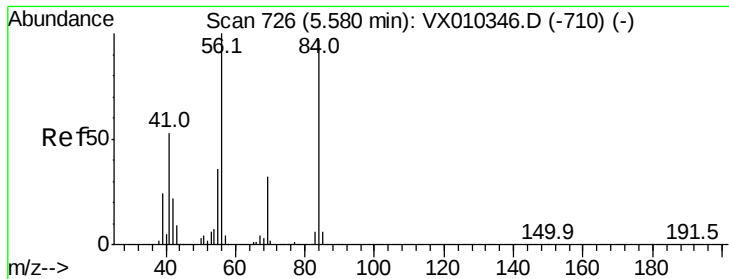
Tgt Ion: 83 Resp: 200014

Ion Ratio Lower Upper

83 100

85 66.1 50.9 76.3





#31

Cyclohexane

Concen: 47.398 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

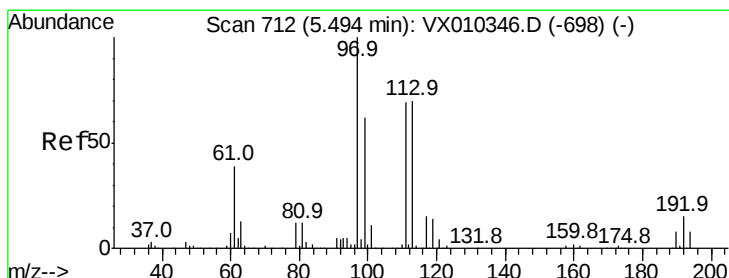
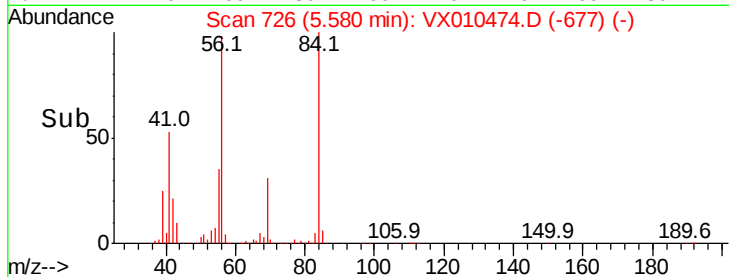
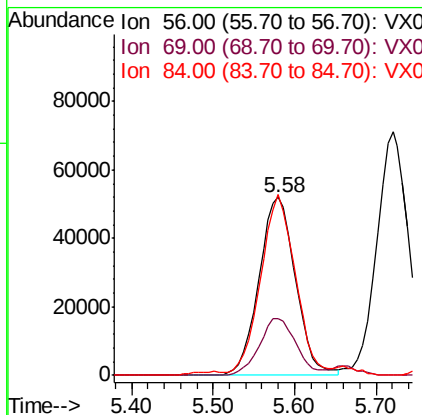
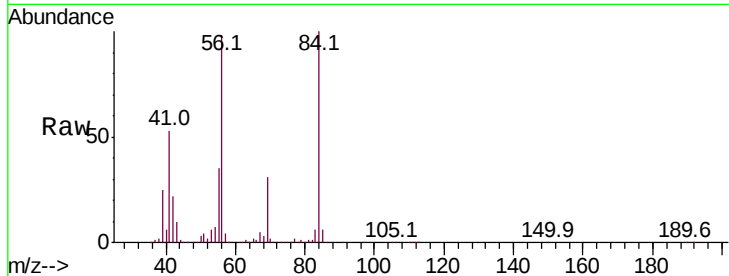
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	162384
Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.9	38.9
84	100.5	78.0	117.0

Manual Integrations
APPROVED

MMDadoda
6/27/2019 10:11:54 AM



#32

1,1,1-Trichloroethane

Concen: 49.697 ug/l

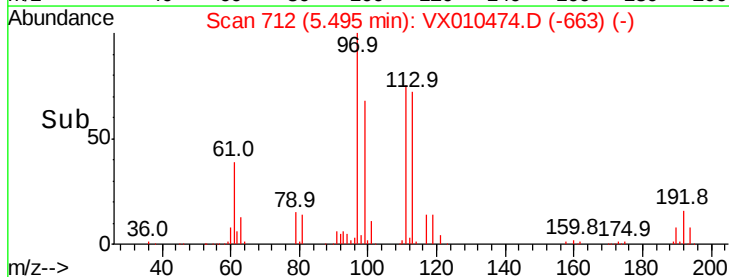
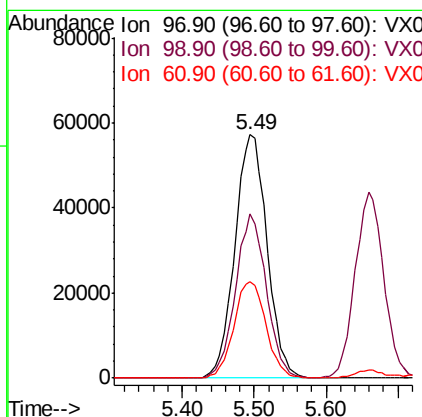
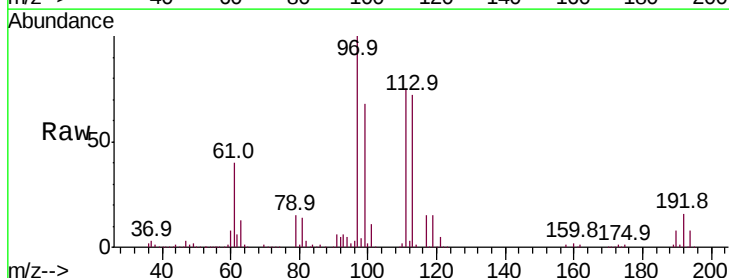
RT: 5.49 min Scan# 712

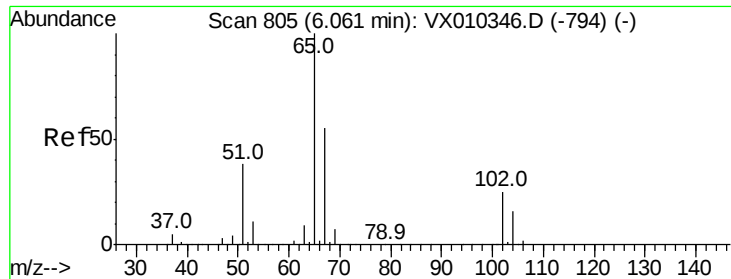
Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Tgt Ion:	97	Resp:	177630
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	39.7	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 51.345 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 121782

Ion Ratio Lower Upper

65 100

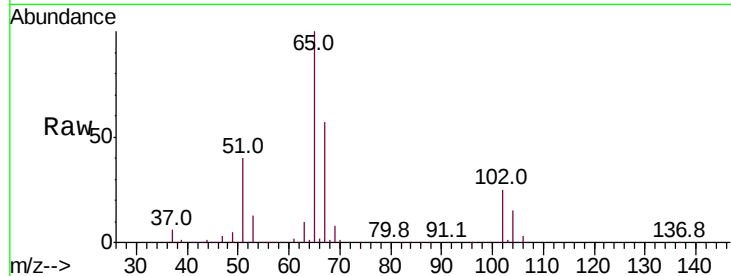
67 55.0 0.0 110.2

Manual Integrations

APPROVED

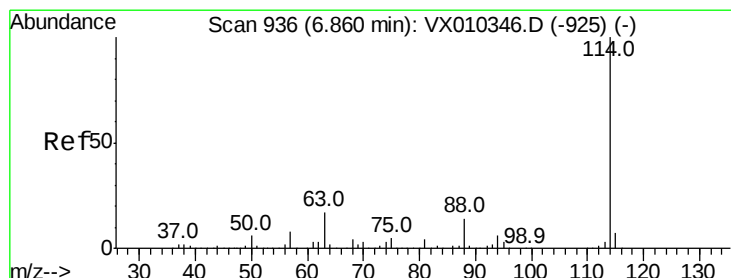
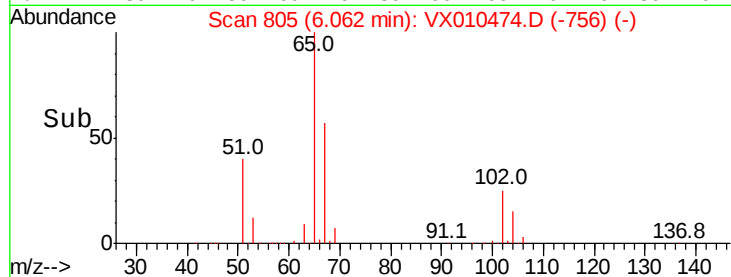
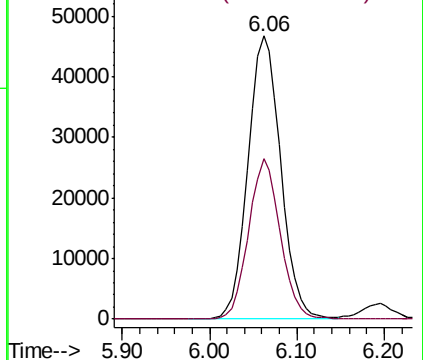
MMDadoda

6/27/2019 10:11:54 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

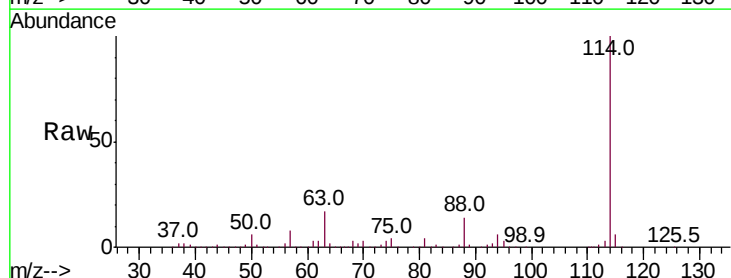
Tgt Ion: 114 Resp: 383528

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.8

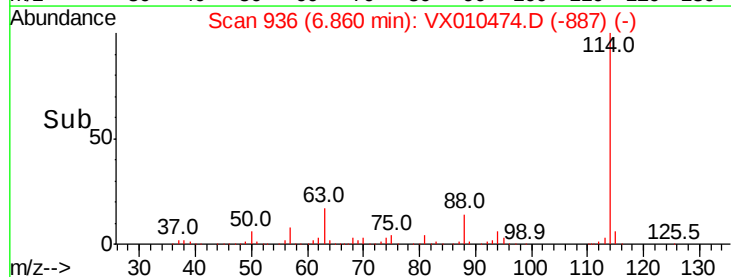
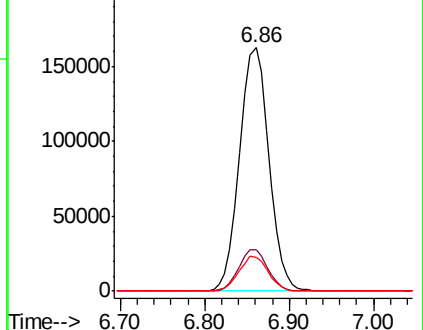
88 13.6 0.0 27.6

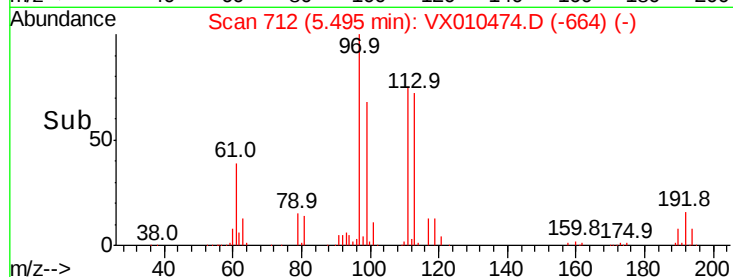
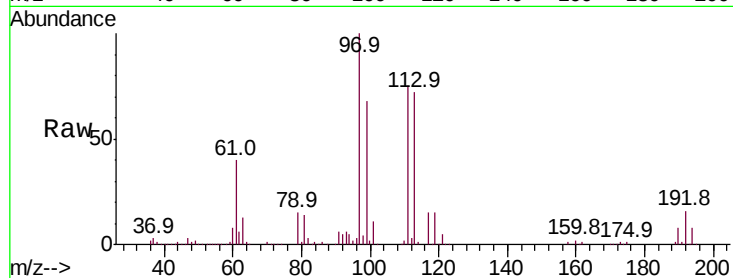
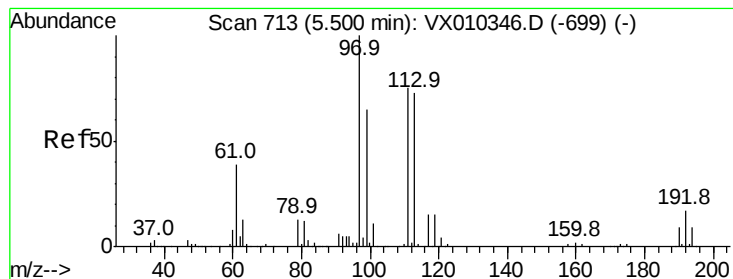


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.185 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010474.D

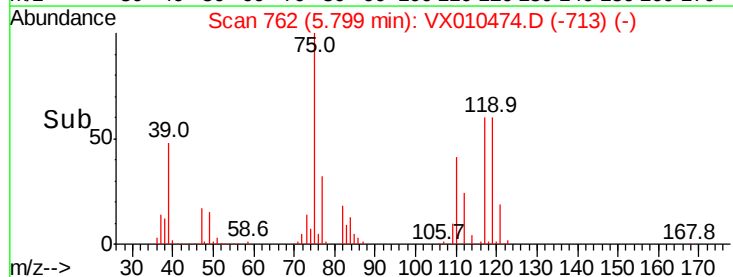
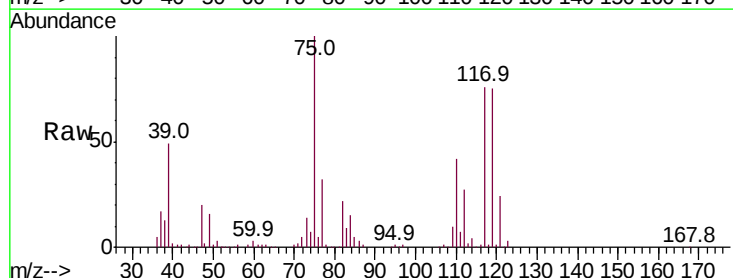
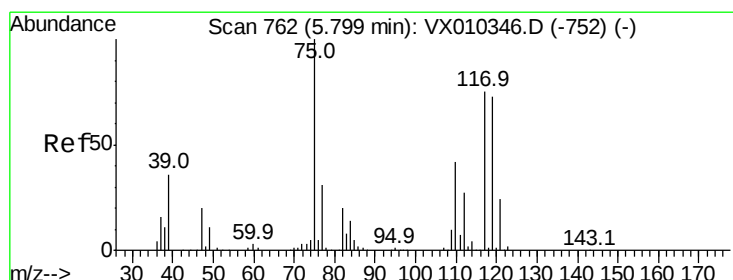
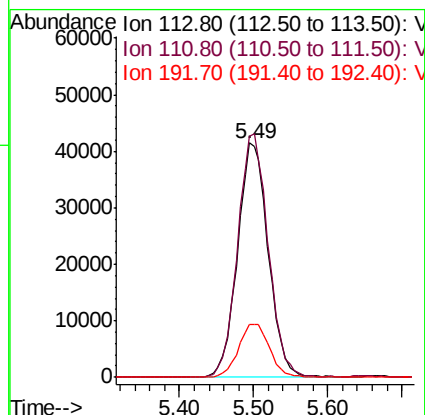
Acq: 26 Jun 2019 19:39

Tot Ion:	113	Resp:	120108
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.2	121.8
192	23.0	18.6	27.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/27/2019 10:11:54 AM



#36

1,1-Dichloropropene

Concen: 47.024 ug/l

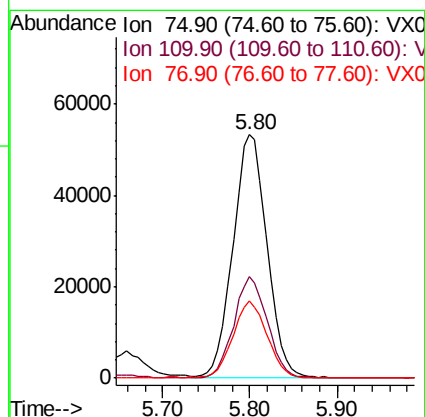
RT: 5.80 min Scan# 762

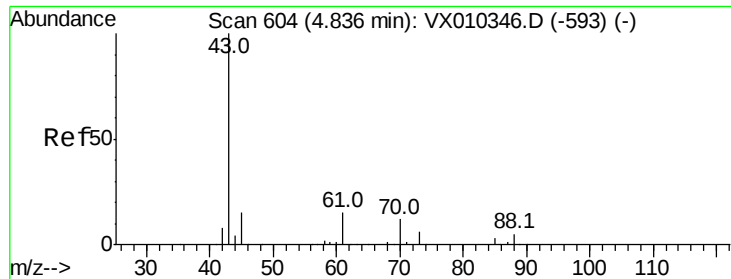
Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Tgt Ion:	75	Resp:	143315
Ion Ratio	Lower	Upper	
75	100		
110	41.3	20.8	62.2
77	32.1	25.4	38.0





#37

Ethyl Acetate

Concen: 50.556 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010474.D

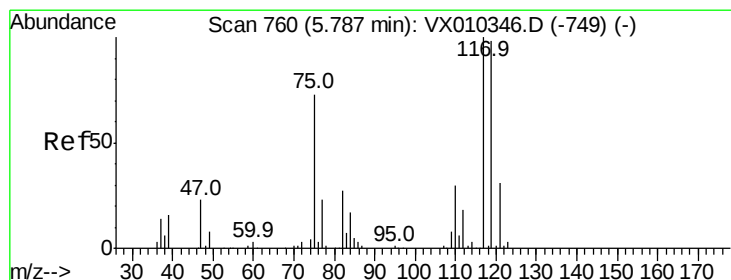
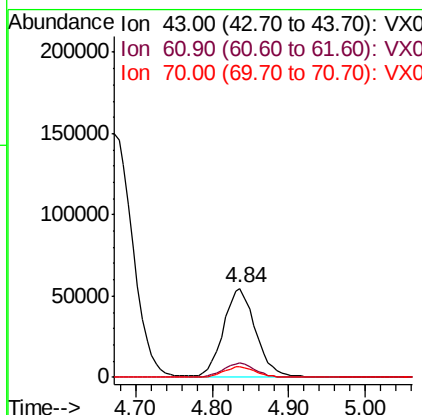
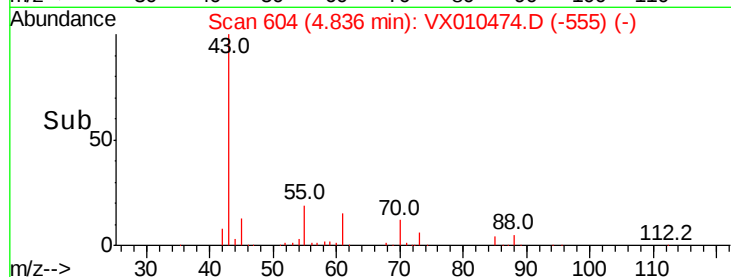
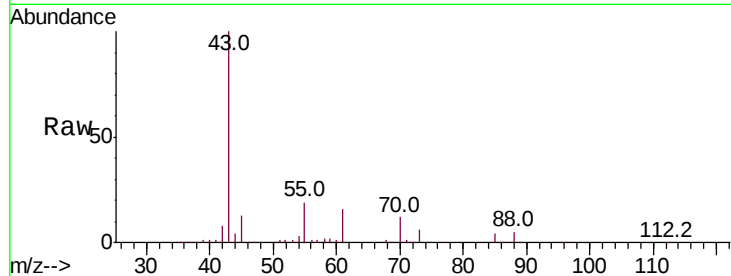
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	12.2	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
6/27/2019 10:11:54 AM



#38

Carbon Tetrachloride

Concen: 48.288 ug/l

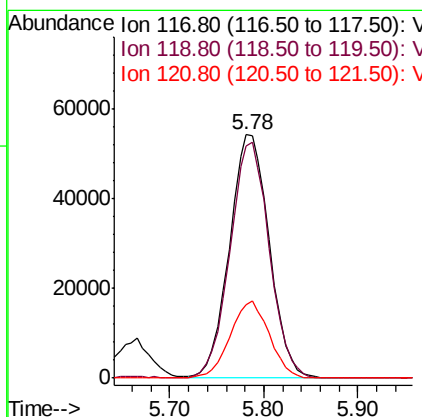
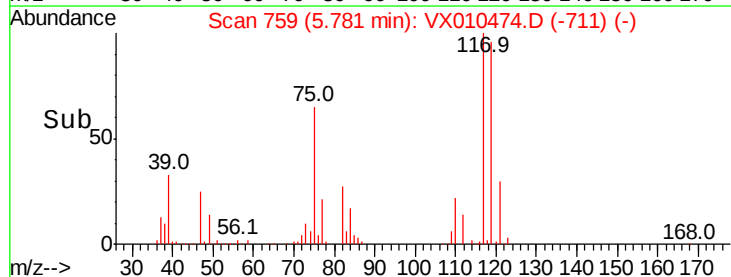
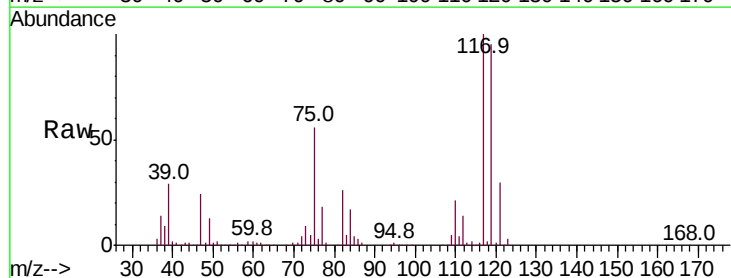
RT: 5.78 min Scan# 759

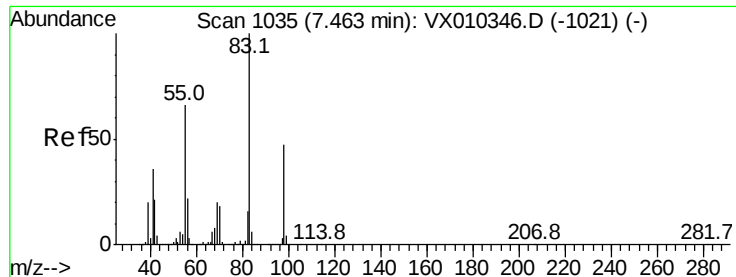
Delta R.T. -0.01 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.2	117.4
121	30.2	24.7	37.1





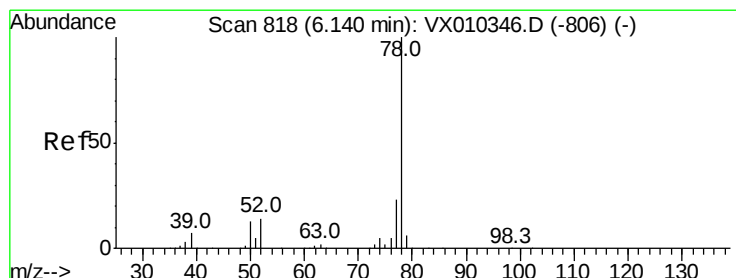
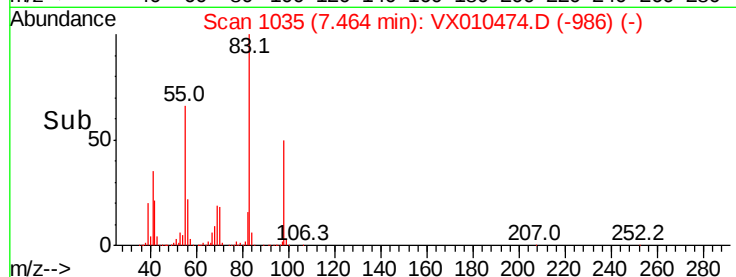
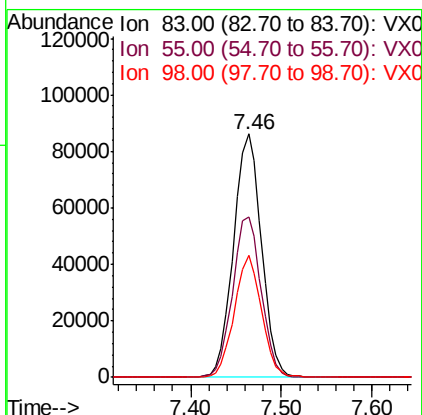
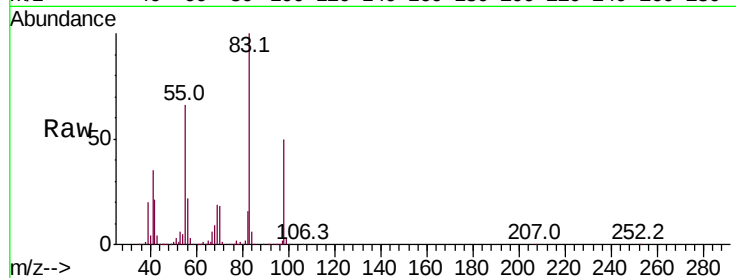
#39
Methvlcvclohexane
Concen: 46.190 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	185043		
55	65.8	53.0	79.6	
98	50.0	37.8	56.8	

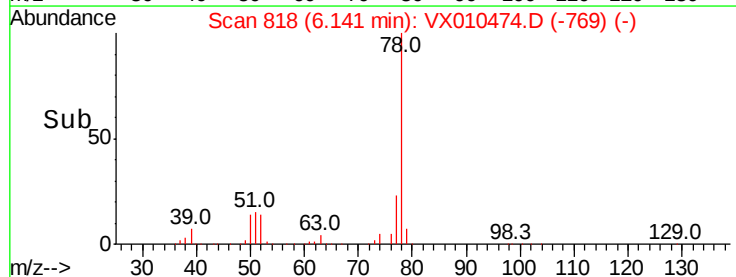
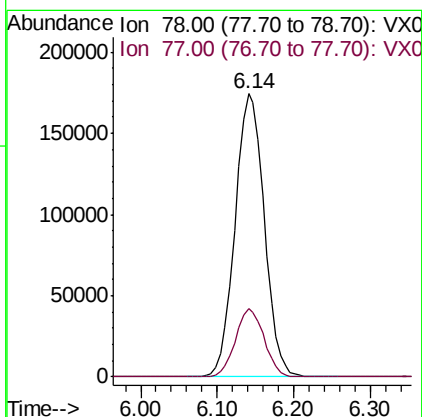
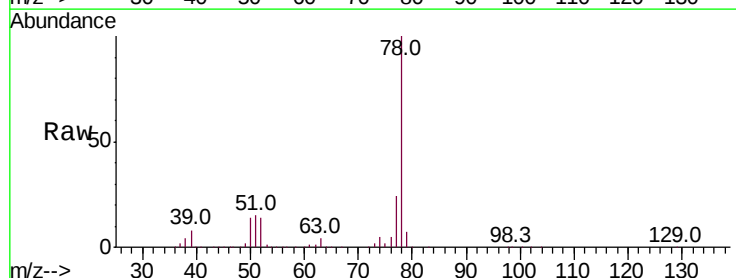
Manual Integrations
APPROVED

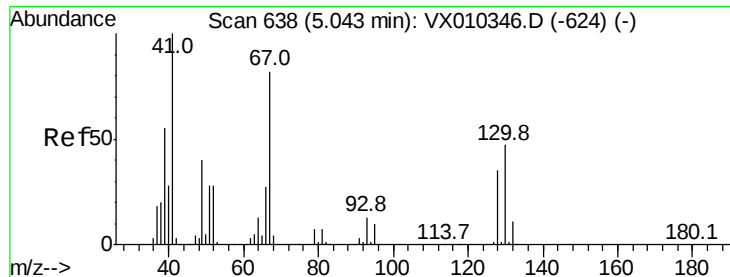
MMDadoda
6/27/2019 10:11:54 AM



#40
Benzene
Concen: 48.520 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	460701		
77	24.1	18.6	28.0	





#41

Methacrylonitrile

Concen: 49.842 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 85745

Ion Ratio Lower Upper

41 100

39 53.9 43.8 65.8

67 82.8 66.6 100.0

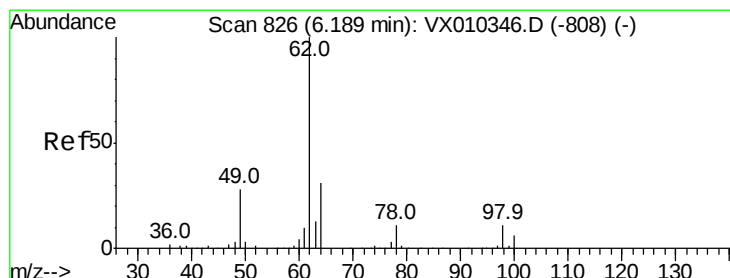
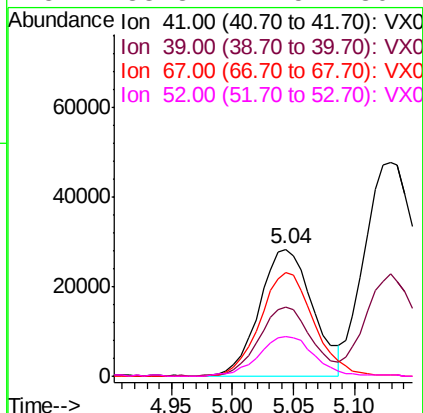
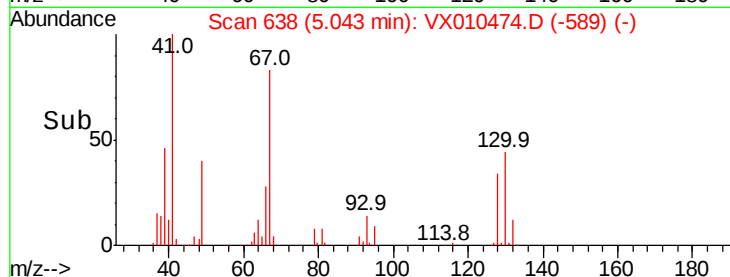
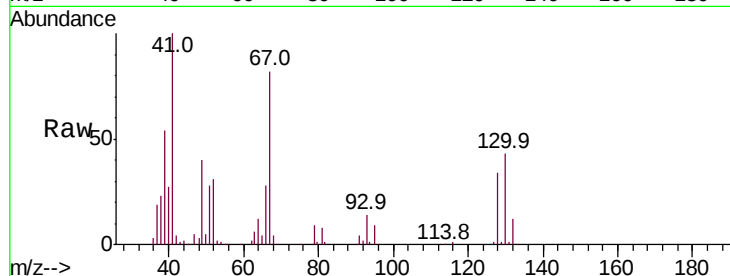
52 33.3 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#42

1,2-Dichloroethane

Concen: 50.702 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX010474.D

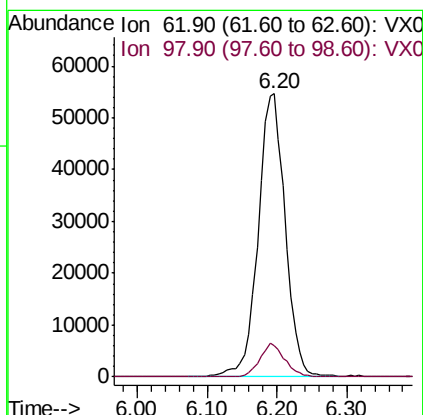
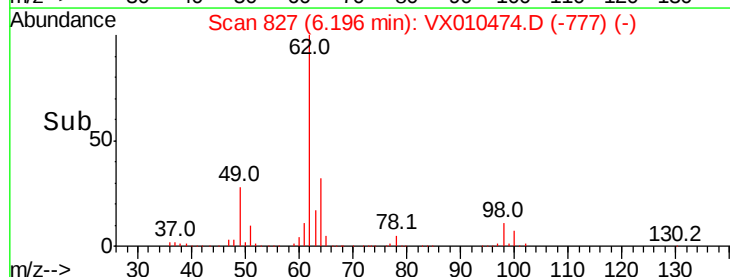
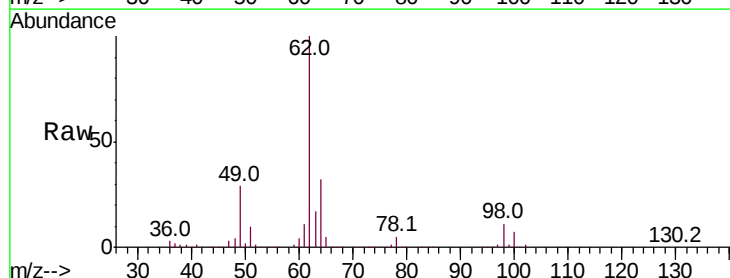
Acq: 26 Jun 2019 19:39

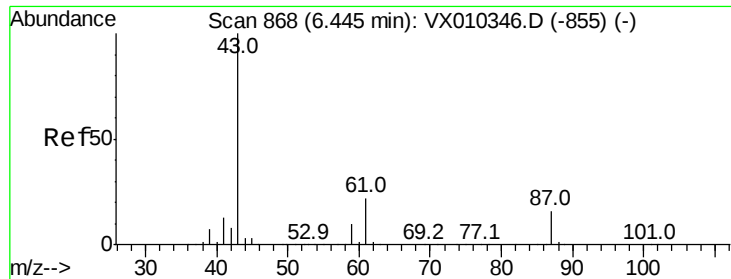
Tgt Ion: 62 Resp: 146544

Ion Ratio Lower Upper

62 100

98 10.9 0.0 22.2





#43

Isopropyl Acetate

Concen: 50.534 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

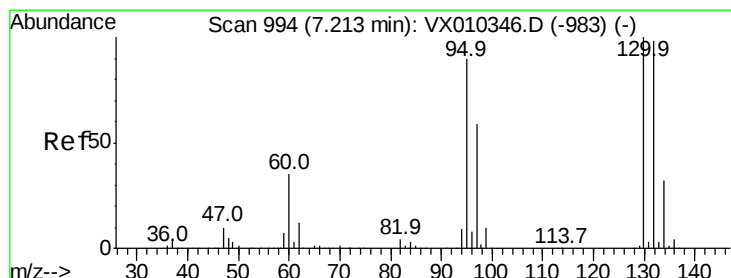
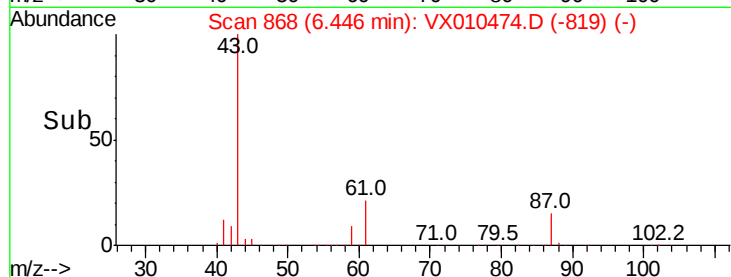
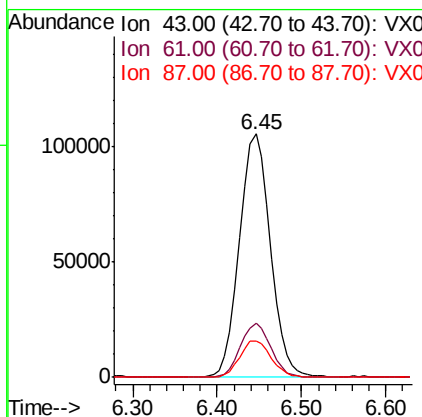
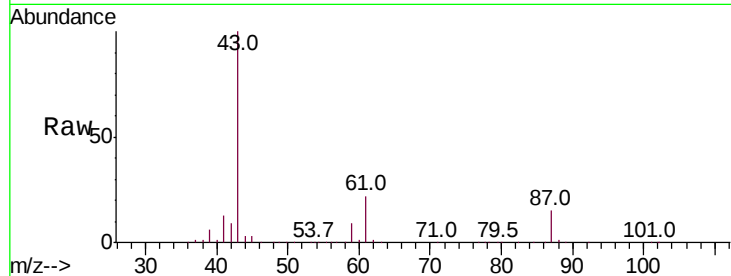
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	262141
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.8	26.6
87	15.5	13.0	19.4

Manual Integrations
APPROVED

MMDadoda
6/27/2019 10:11:54 AM



#44

Trichloroethene

Concen: 47.677 ug/l

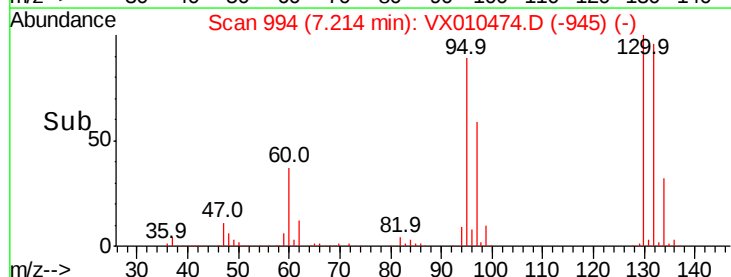
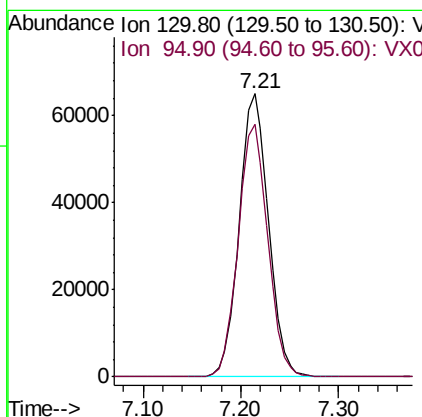
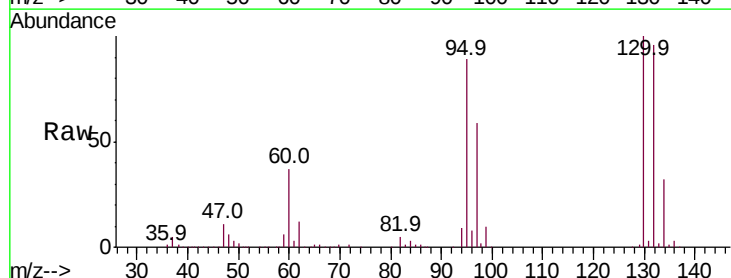
RT: 7.21 min Scan# 994

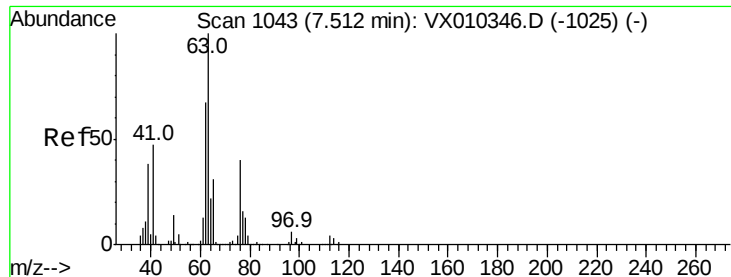
Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Tgt Ion:	130	Resp:	135459
Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	180.8





#45

1,2-Dichloropropane

Concen: 48.861 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 117157

Ion Ratio Lower Upper

63 100

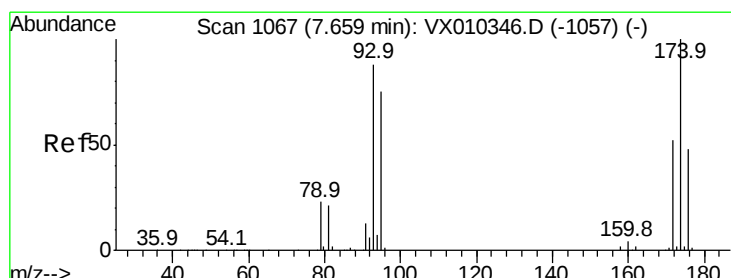
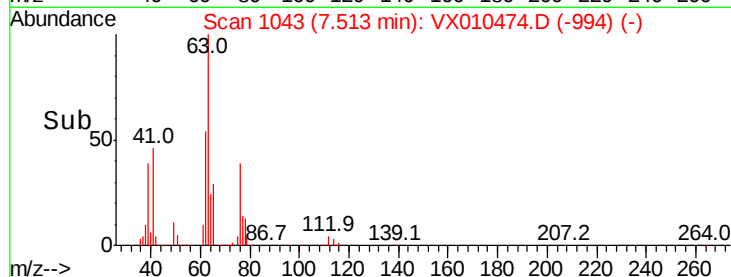
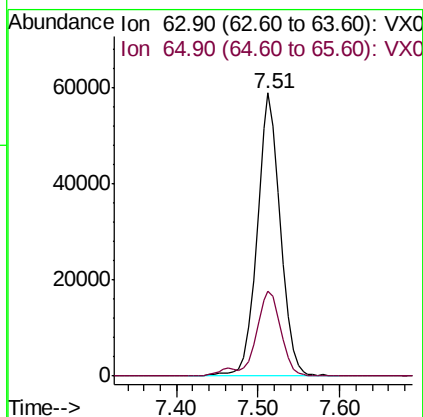
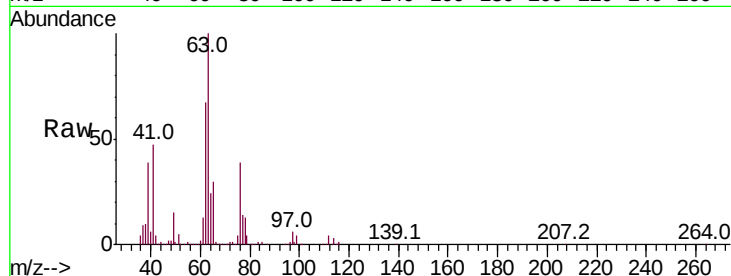
65 30.0 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#46

Dibromomethane

Concen: 49.248 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

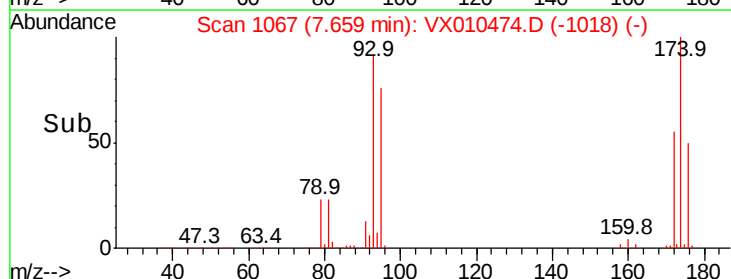
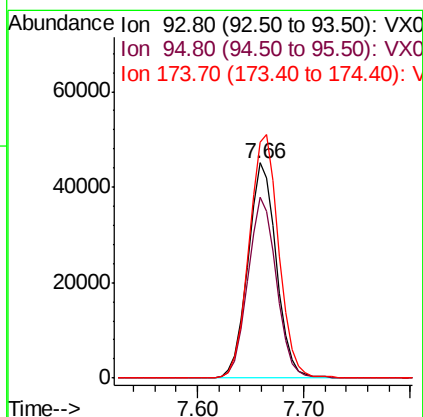
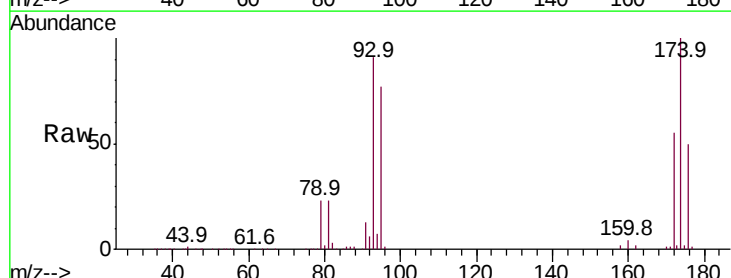
Tgt Ion: 93 Resp: 84724

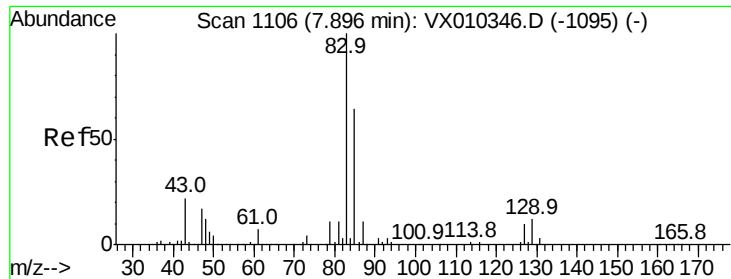
Ion Ratio Lower Upper

93 100

95 84.7 67.5 101.3

174 117.7 95.8 143.6





#47

Bromodichloromethane

Concen: 49.865 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

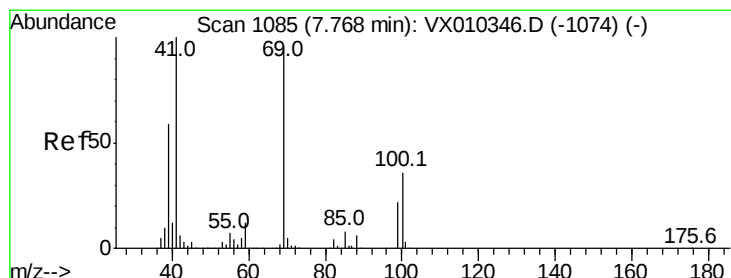
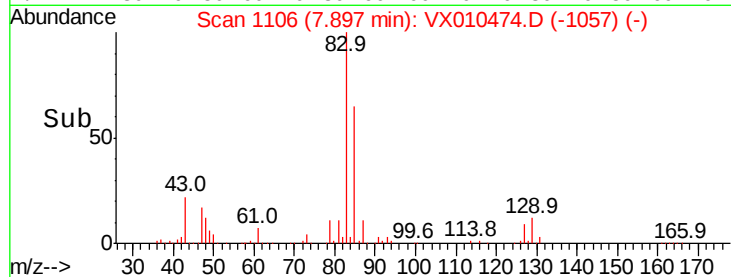
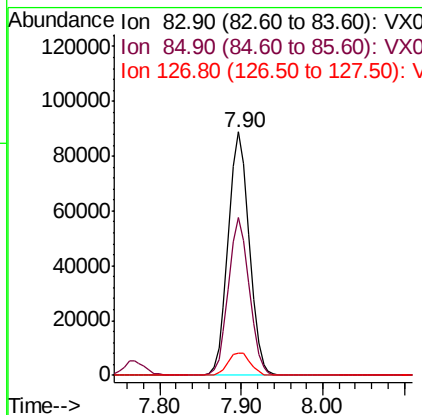
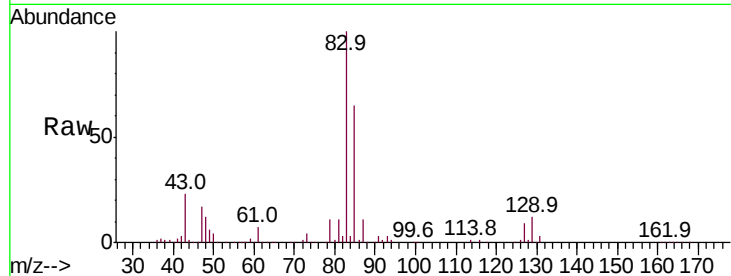
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	157213
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.5	77.3
127	9.2	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
6/27/2019 10:11:54 AM



#48

Methyl methacrylate

Concen: 50.897 ug/l

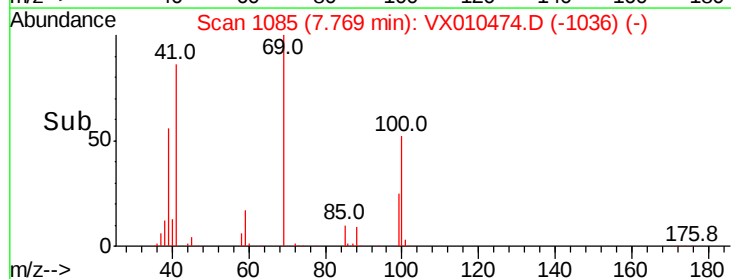
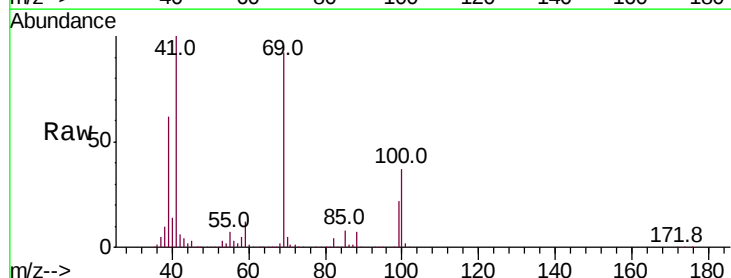
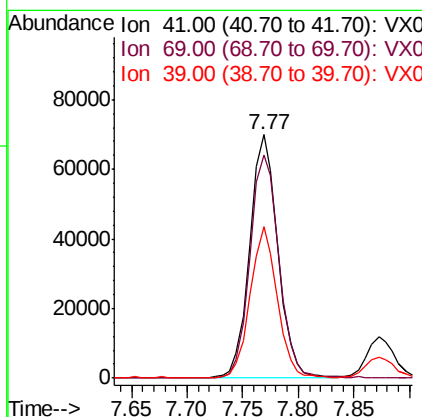
RT: 7.77 min Scan# 1085

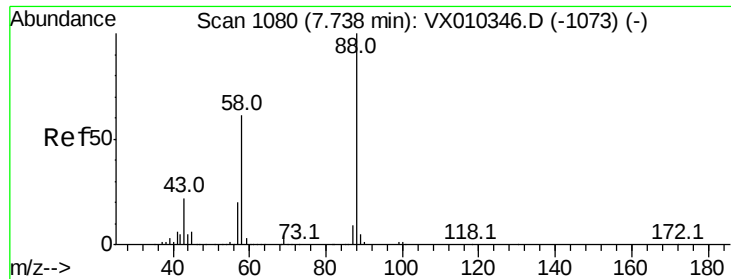
Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Tgt Ion:	41	Resp:	122723
Ion Ratio	Lower	Upper	
41	100		
69	94.8	76.1	114.1
39	59.4	47.6	71.4





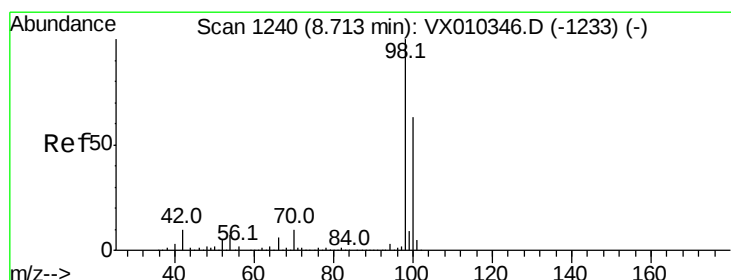
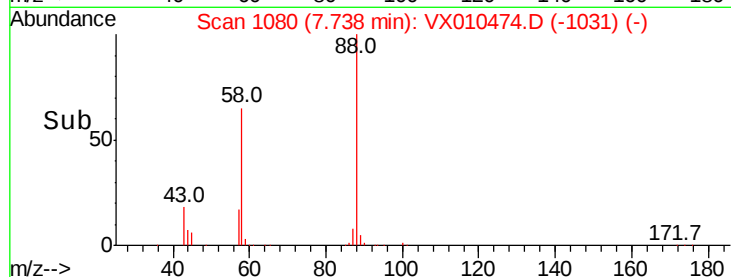
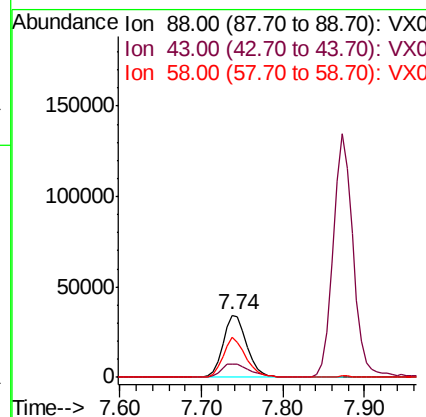
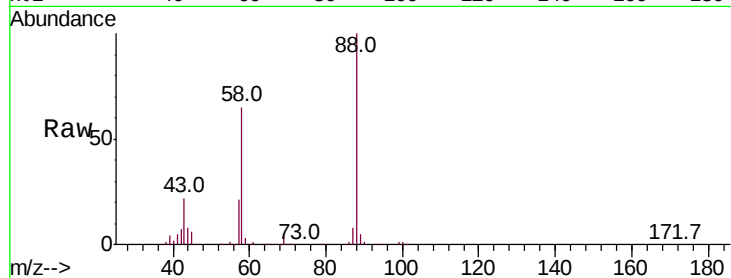
#49
1,4-Dioxane
Concen: 998.573 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	20.2	30.2
58	61.6	49.5	74.3

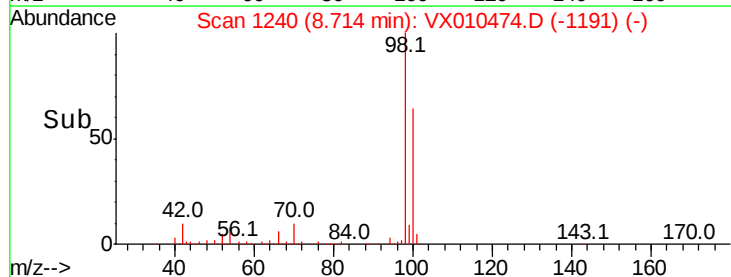
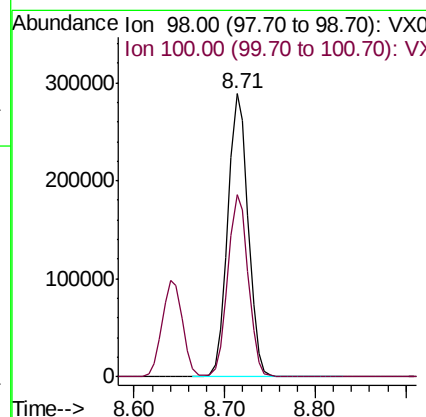
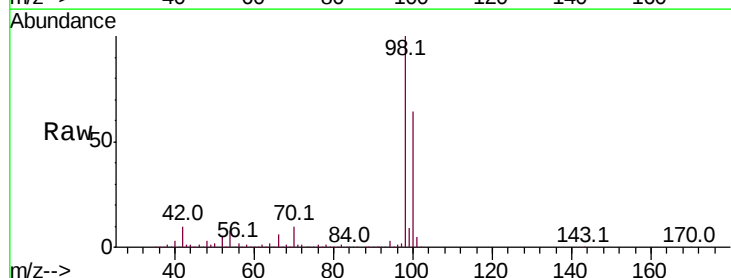
Manual Integrations
APPROVED

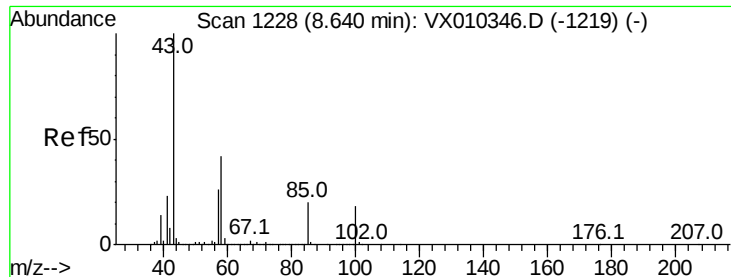
MMDadoda
6/27/2019 10:11:54 AM



#50
Toluene-d8
Concen: 50.173 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4





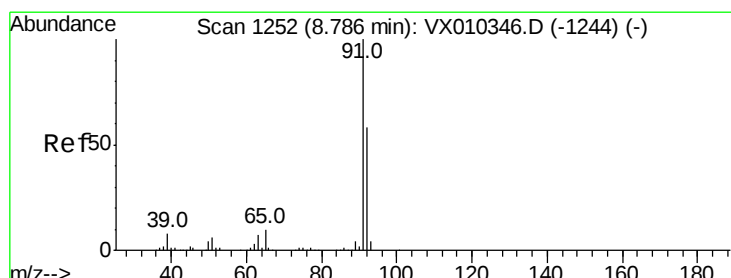
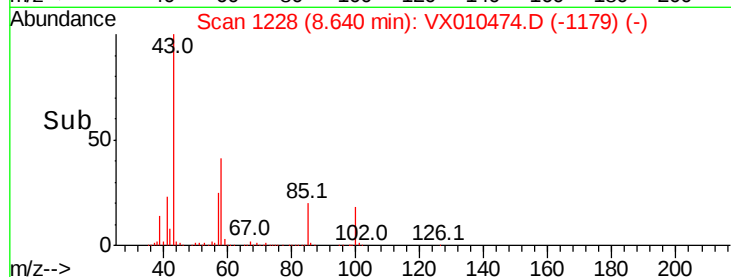
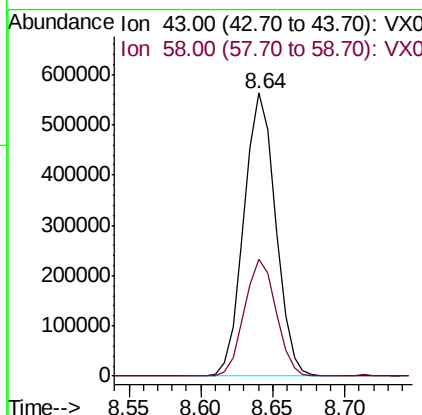
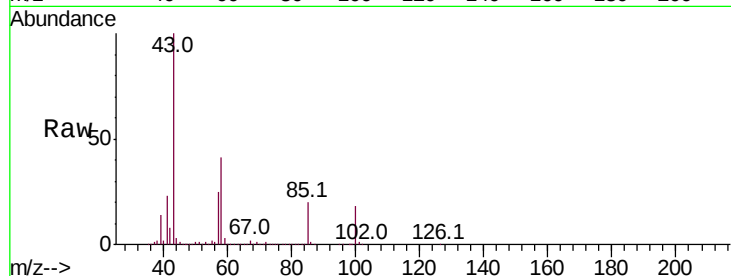
#51
 4-Methyl-2-Pentanone
 Concen: 258.878 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX010474.D
 Acq: 26 Jun 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.2	33.5	50.3

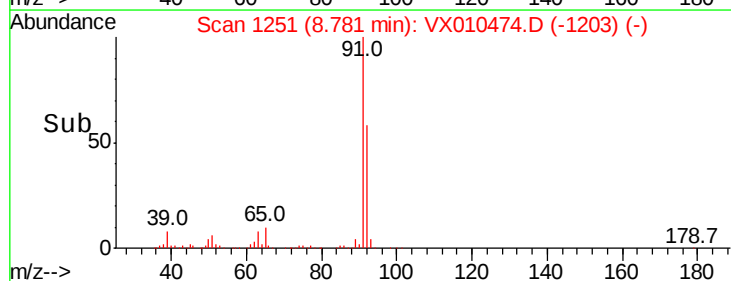
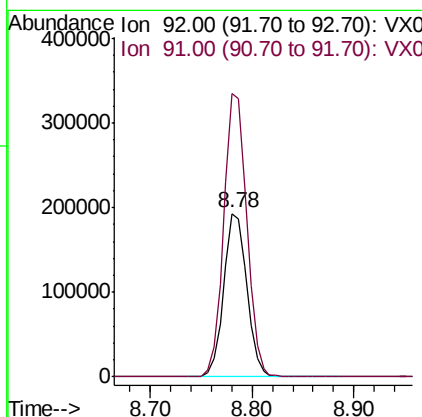
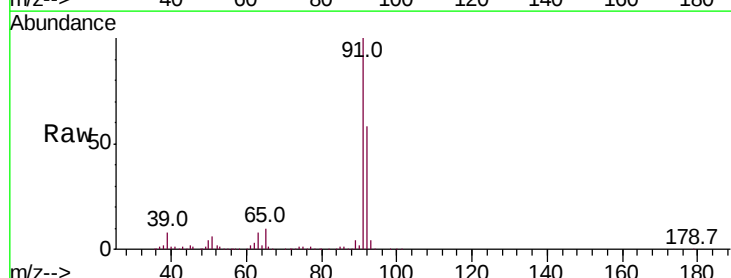
Manual Integrations
 APPROVED

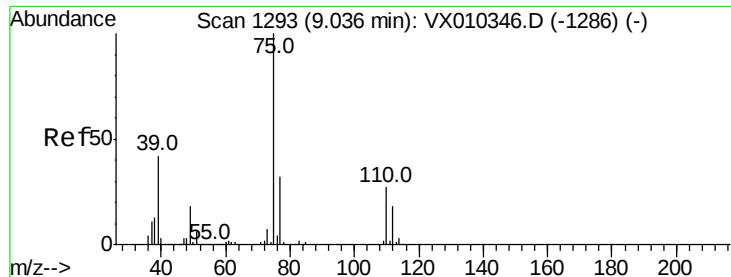
MMDadoda
 6/27/2019 10:11:54 AM



#52
 Toluene
 Concen: 48.233 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX010474.D
 Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.8	209.6





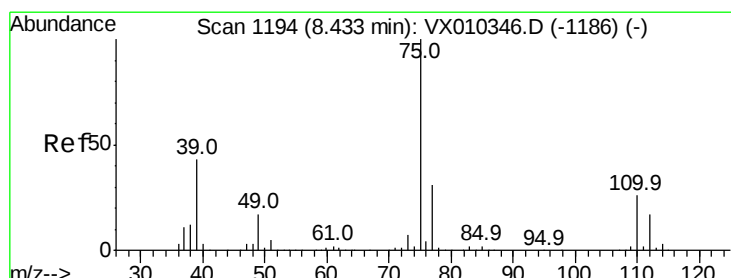
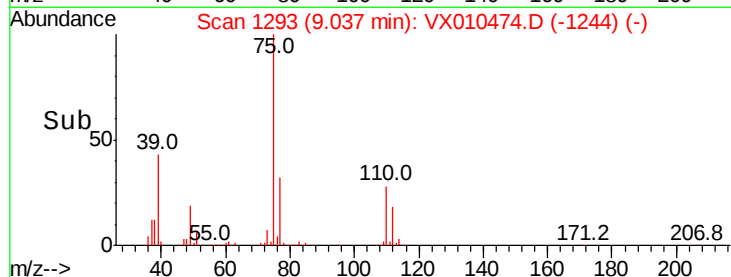
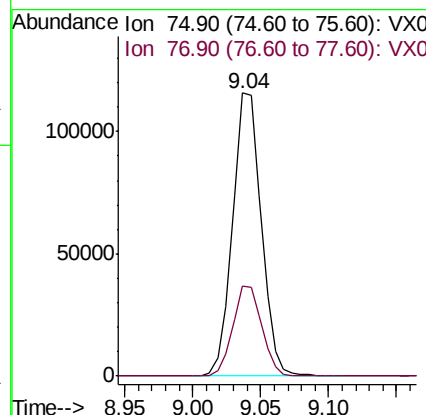
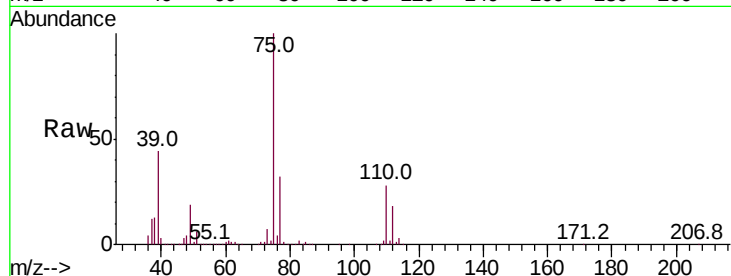
#53
t-1,3-Dichloropropene
Concen: 48.121 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

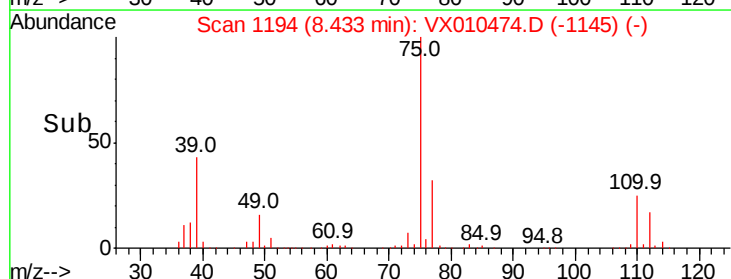
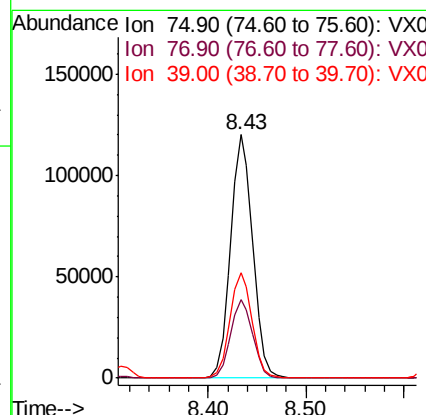
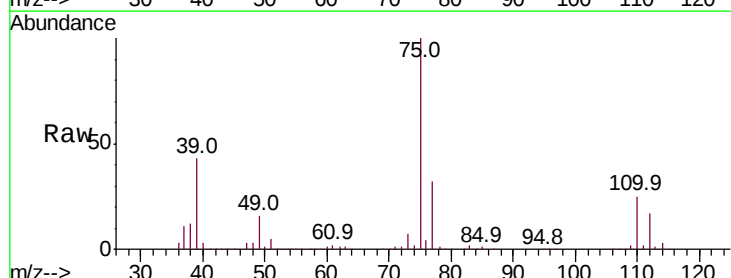
Manual Integrations
APPROVED

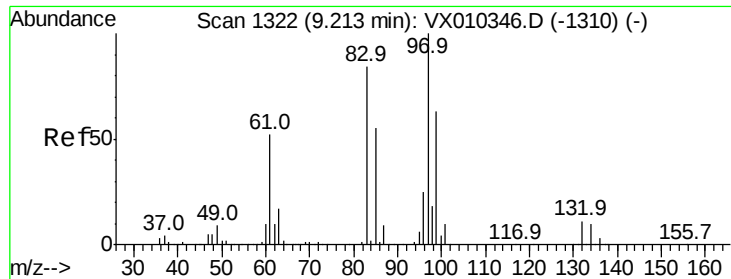
MMDadoda
6/27/2019 10:11:54 AM



#54
cis-1,3-Dichloropropene
Concen: 48.984 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.2	37.8
39	42.9	34.5	51.7





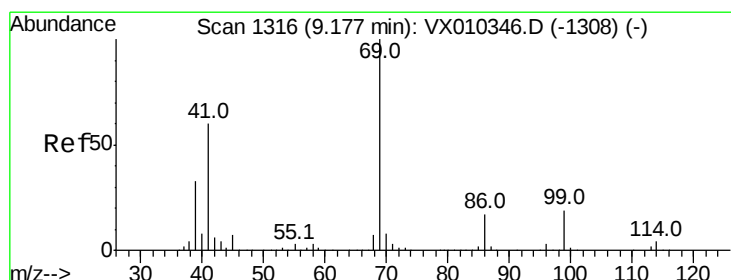
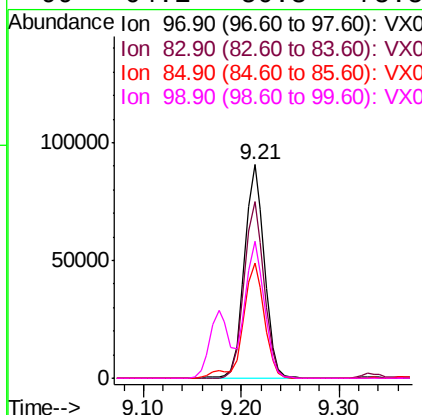
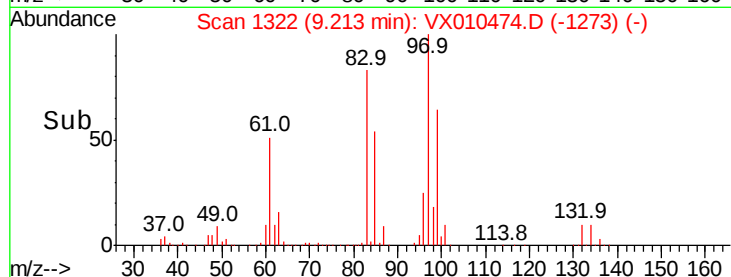
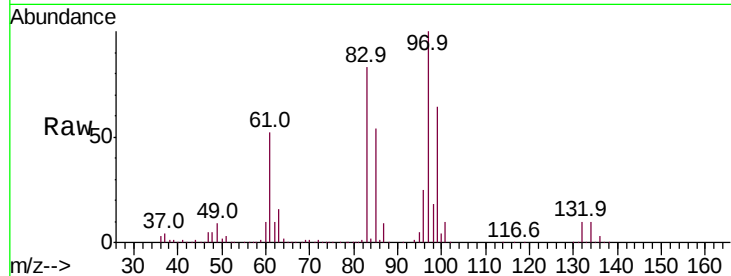
#55
 1,1,2-Trichloroethane
 Concen: 49.950 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010474.D
 Acq: 26 Jun 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		128812		
83	83.0	67.4	101.0		
85	53.9	43.8	65.8		
99	64.1	50.3	75.5		

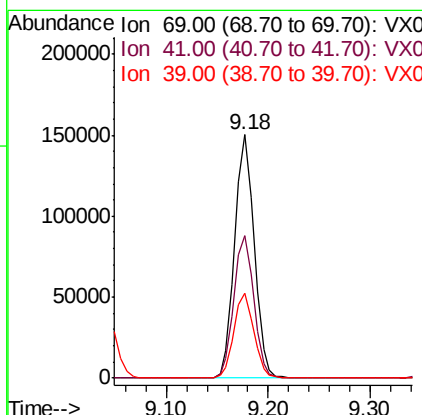
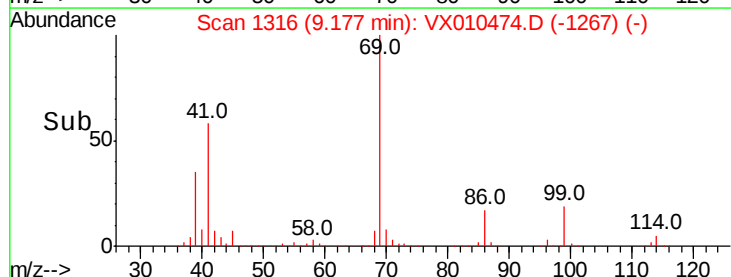
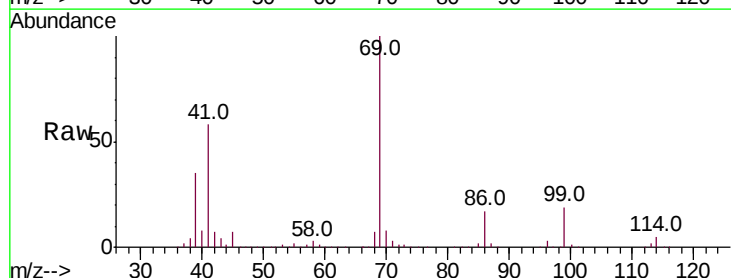
Manual Integrations
 APPROVED

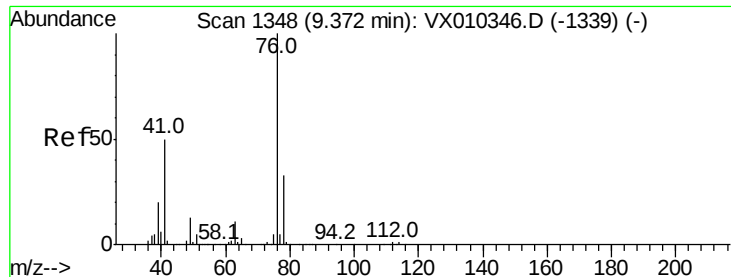
MMDadoda
 6/27/2019 10:11:54 AM



#56
 Ethyl methacrylate
 Concen: 50.737 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010474.D
 Acq: 26 Jun 2019 19:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		198206		
41	60.0	47.1	70.7		
39	35.4	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 49.927 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 199863

Ion Ratio Lower Upper

76 100

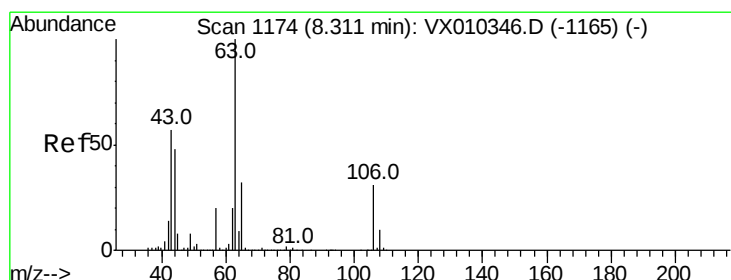
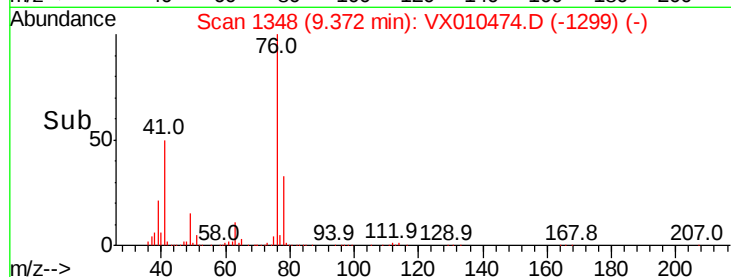
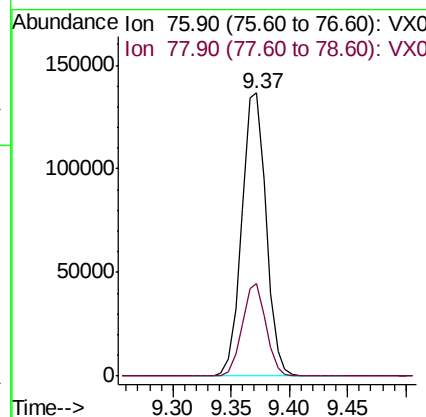
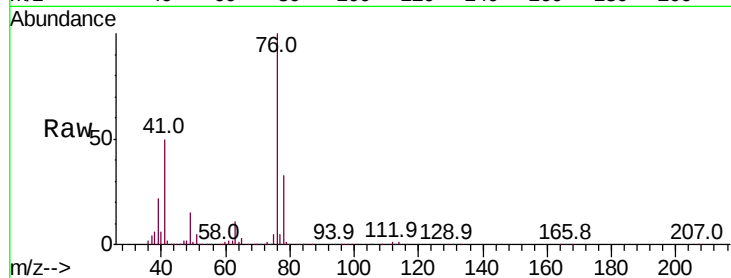
78 32.0 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#58

2-Chloroethyl Vinyl ether

Concen: 239.277 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010474.D

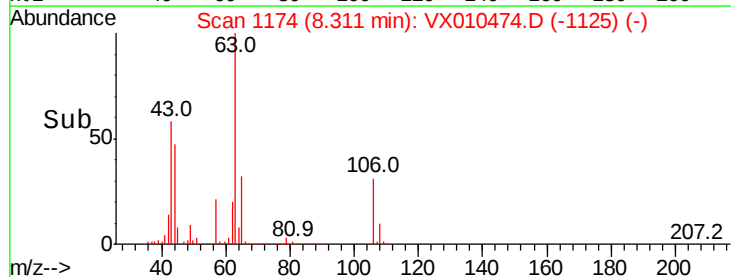
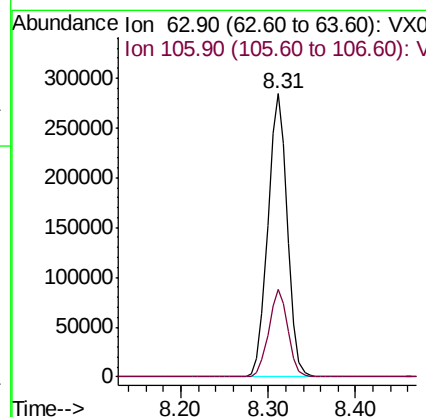
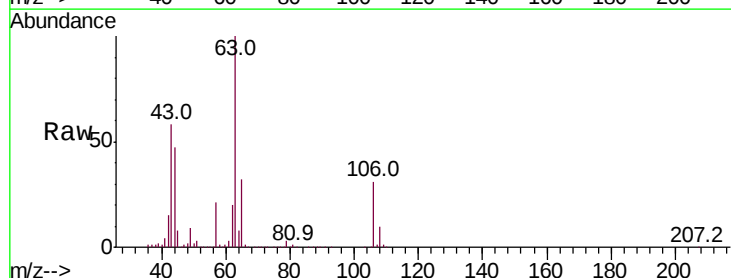
Acq: 26 Jun 2019 19:39

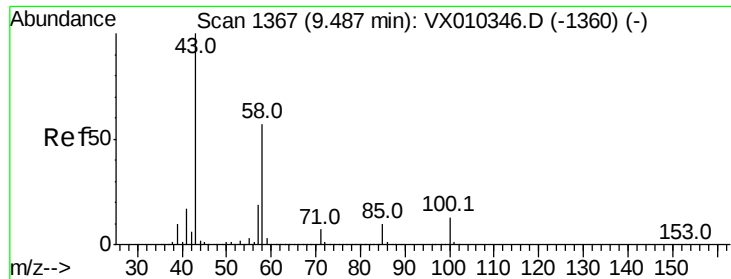
Tgt Ion: 63 Resp: 443939

Ion Ratio Lower Upper

63 100

106 30.5 24.7 37.1





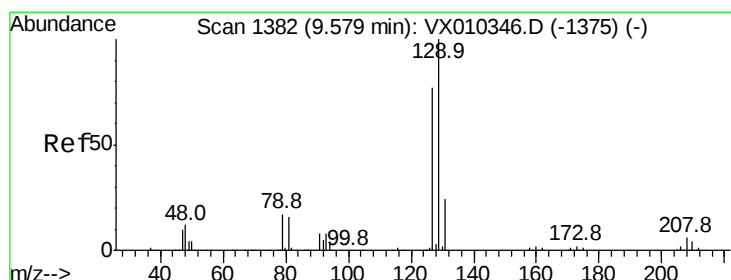
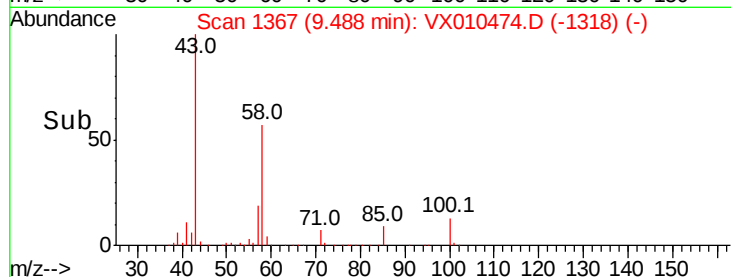
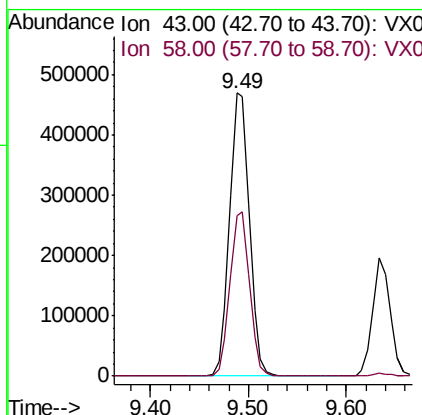
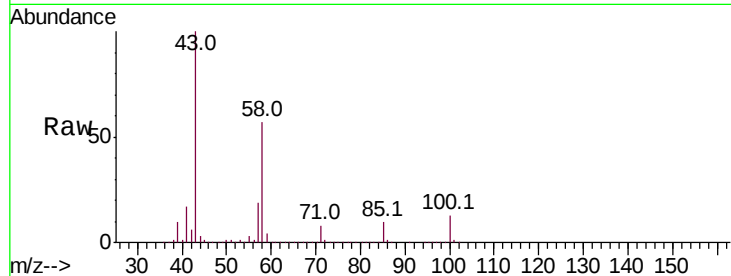
#59
2-Hexanone
Concen: 253.672 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 662372
Ion Ratio Lower Upper
43 100
58 57.5 29.0 87.1

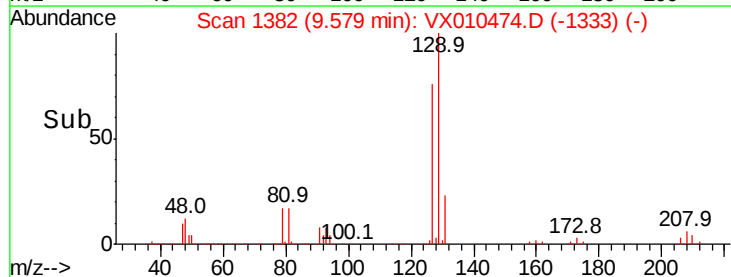
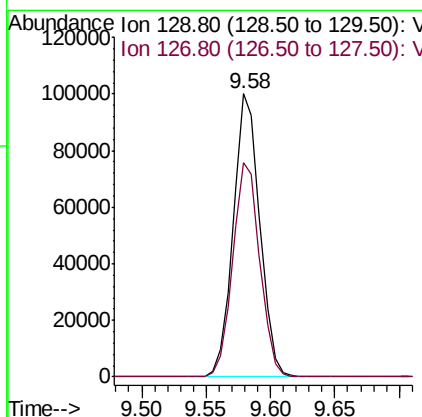
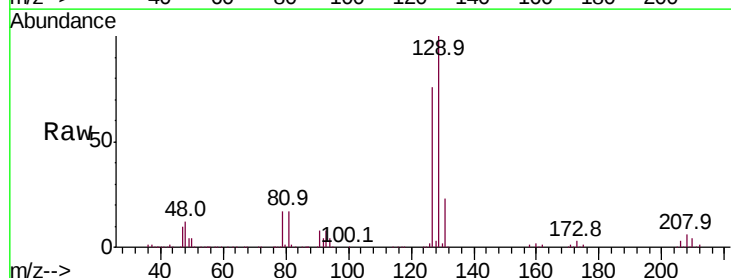
Manual Integrations
APPROVED

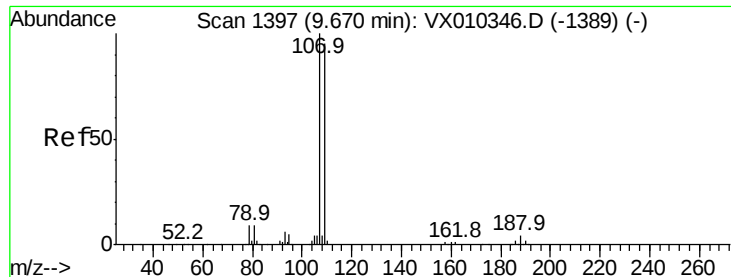
MMDadoda
6/27/2019 10:11:54 AM



#60
Dibromochloromethane
Concen: 49.731 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion: 129 Resp: 143595
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 49.408 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 137530

Ion Ratio Lower Upper

107 100

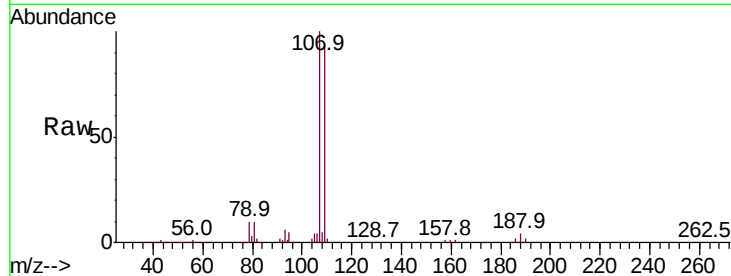
109 95.5 75.8 113.6

Manual Integrations

APPROVED

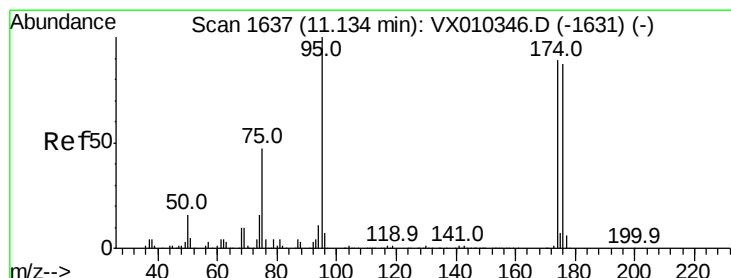
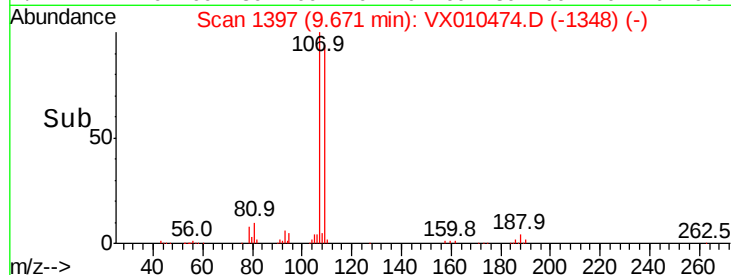
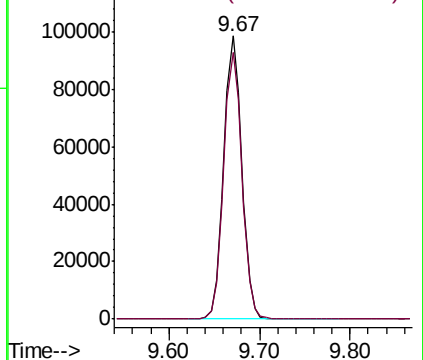
MMDadoda

6/27/2019 10:11:54 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.895 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

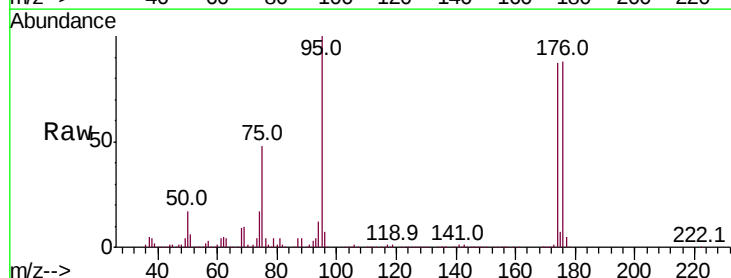
Tgt Ion: 95 Resp: 168198

Ion Ratio Lower Upper

95 100

174 93.4 0.0 187.6

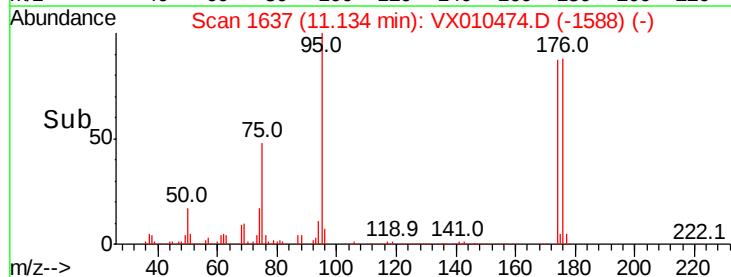
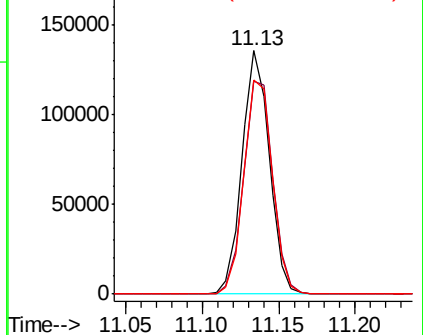
176 92.0 0.0 184.0

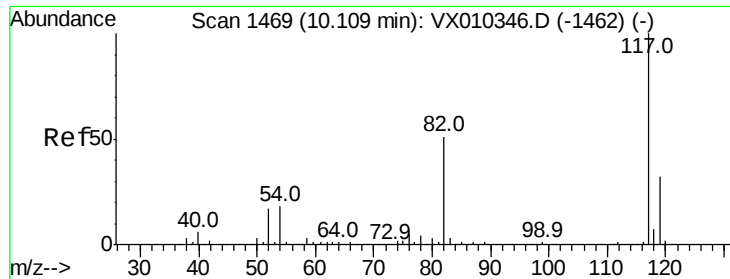


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





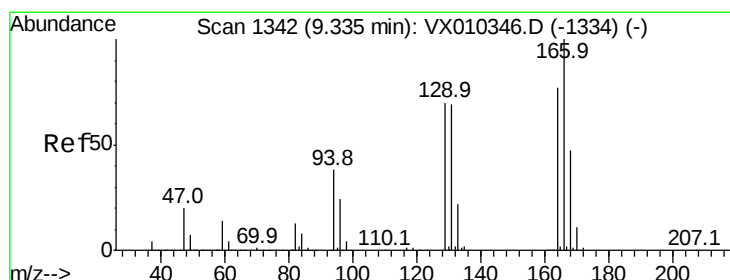
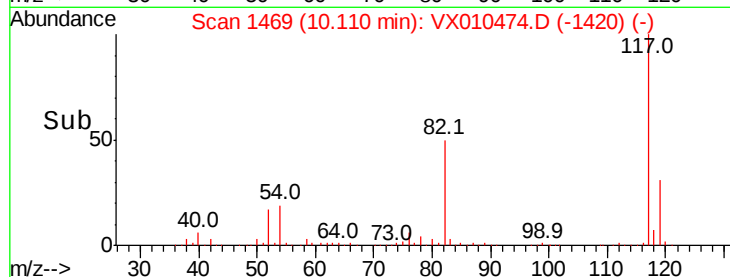
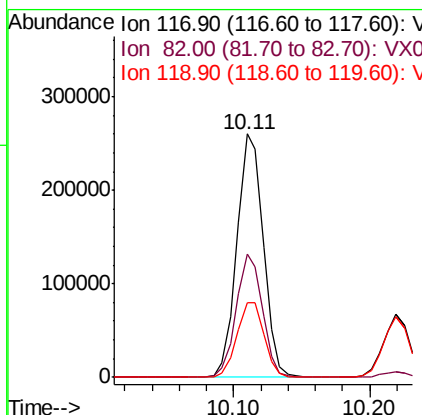
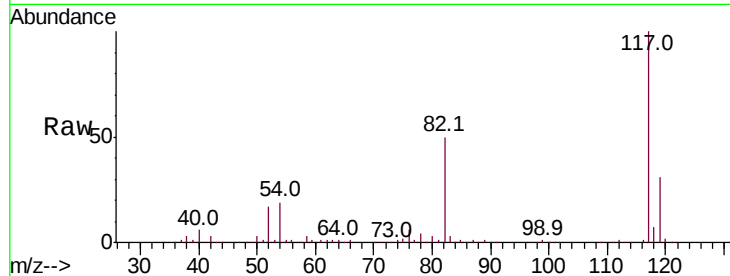
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	41.2	61.8
119	30.9	25.5	38.3

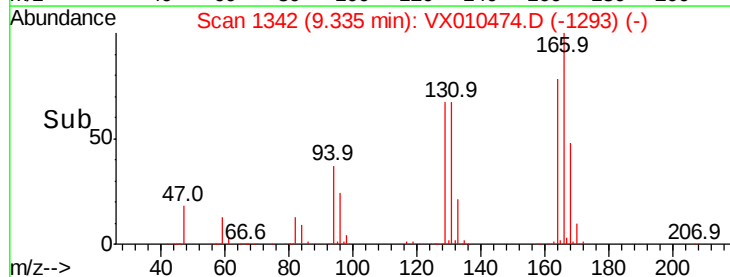
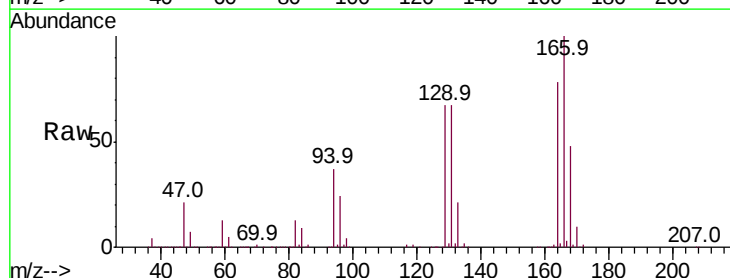
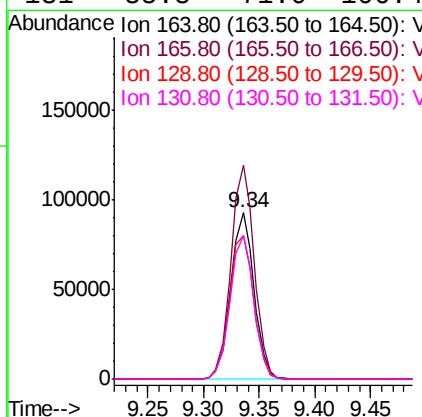
Manual Integrations
APPROVED

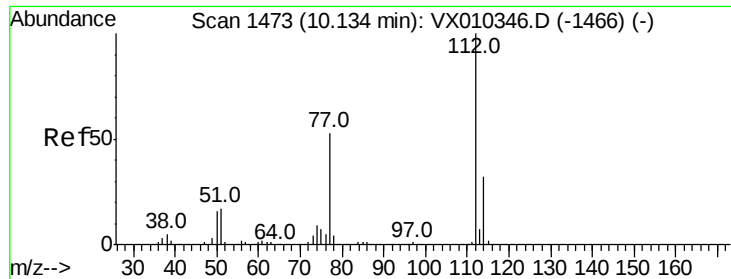
MMDadoda
6/27/2019 10:11:54 AM



#64
Tetrachloroethene
Concen: 47.053 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.6	155.4
129	86.6	73.0	109.4
131	85.8	71.0	106.4





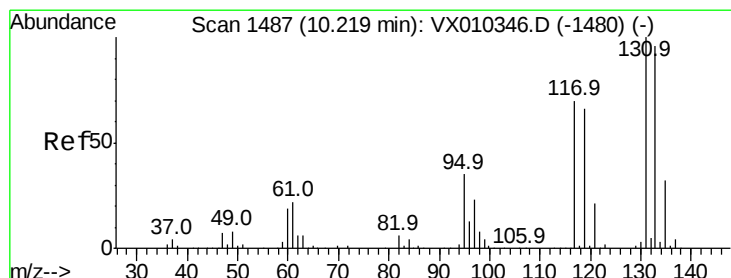
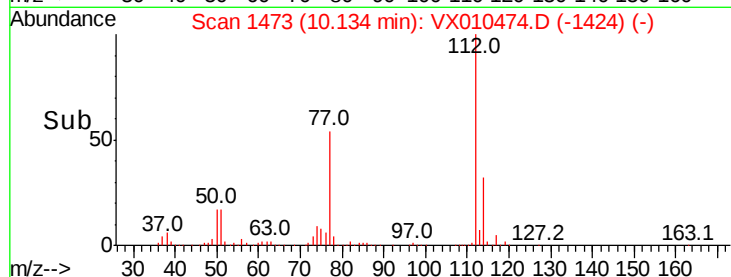
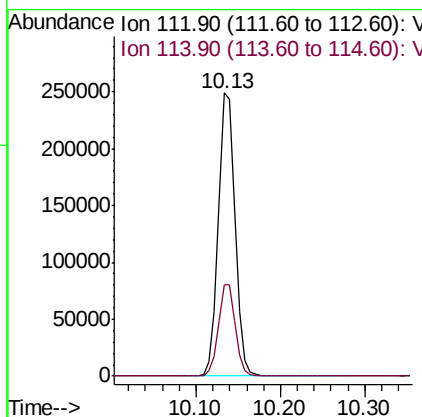
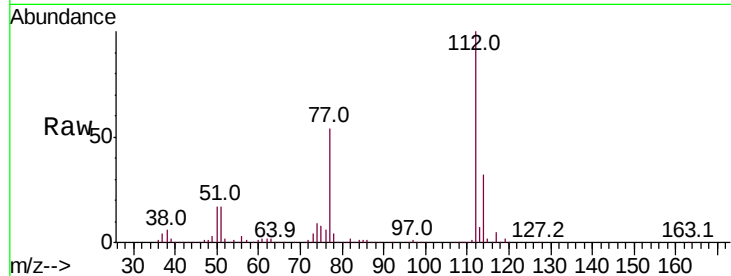
#65
Chlorobenzene
Concen: 48.580 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 346520
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2

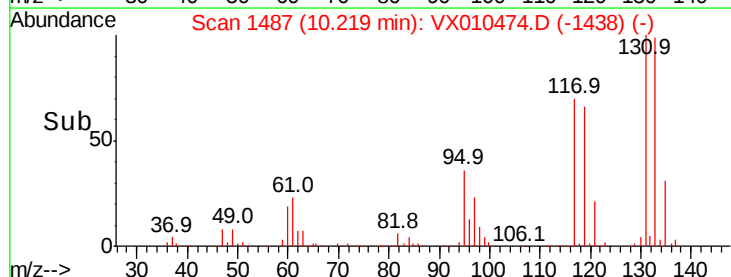
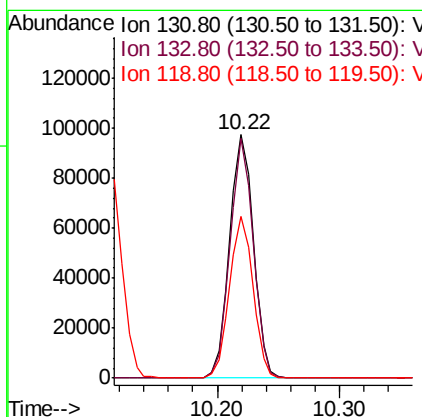
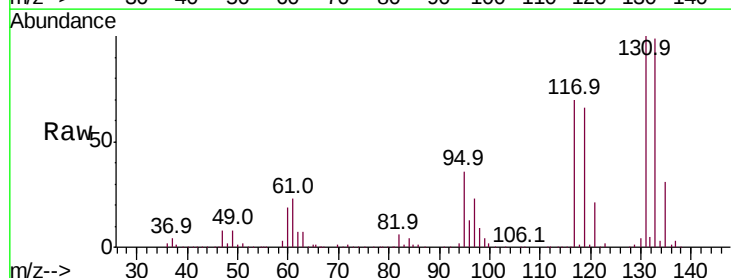
Manual Integrations
APPROVED

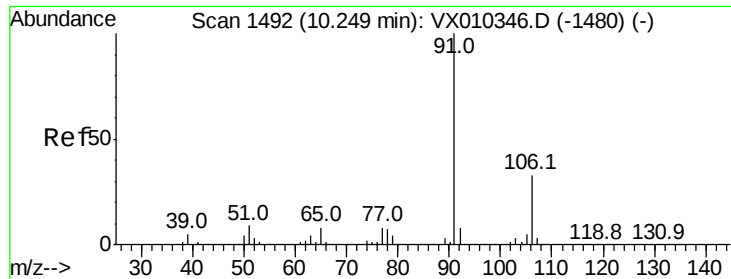
MMDadoda
6/27/2019 10:11:54 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.404 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion:131 Resp: 130961
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 65.7 32.6 97.7





#67

Ethyl Benzene

Concen: 48.994 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 589993

Ion Ratio Lower Upper

91 100

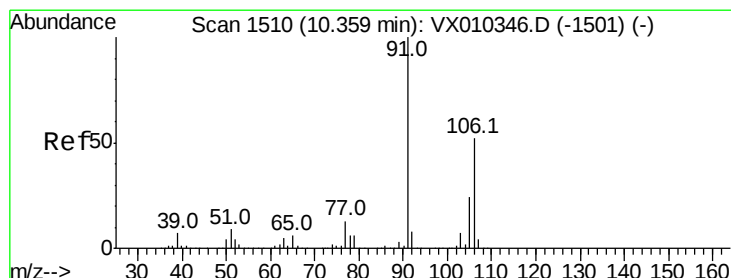
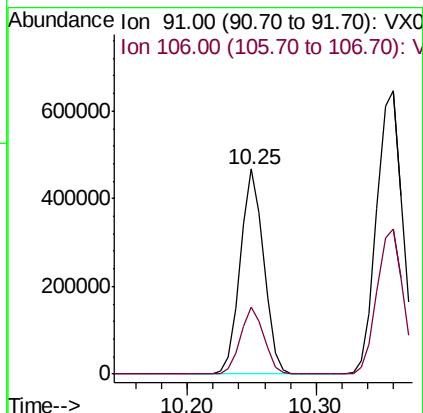
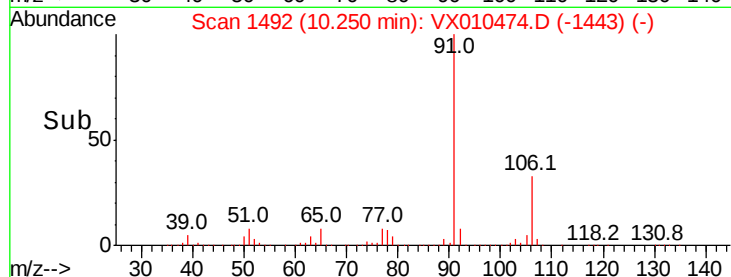
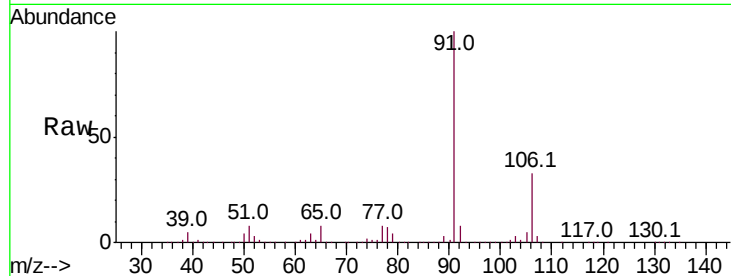
106 32.5 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#68

m/p-Xylenes

Concen: 98.226 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010474.D

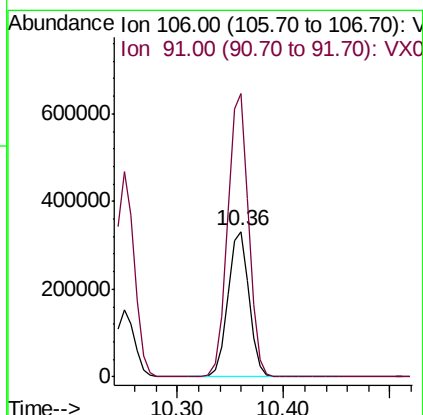
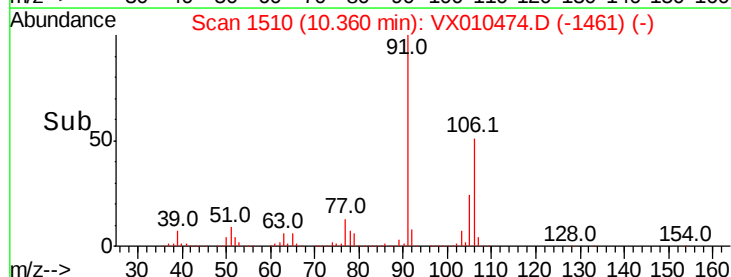
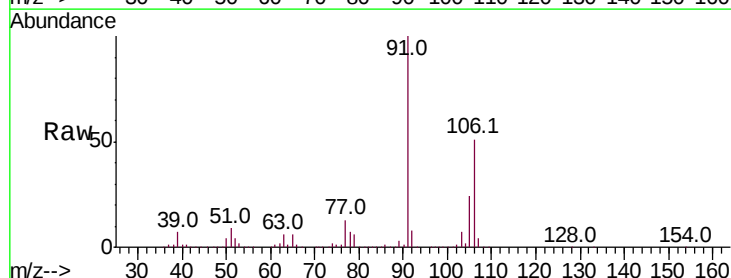
Acq: 26 Jun 2019 19:39

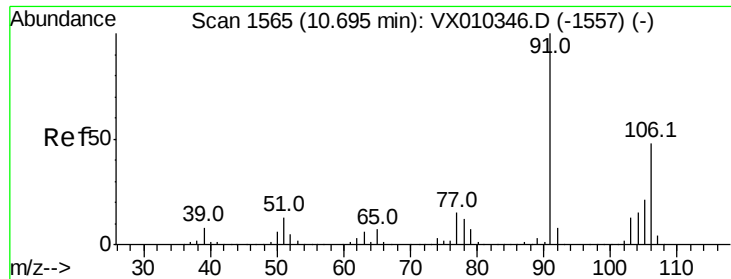
Tgt Ion: 106 Resp: 458325

Ion Ratio Lower Upper

106 100

91 194.3 155.3 232.9





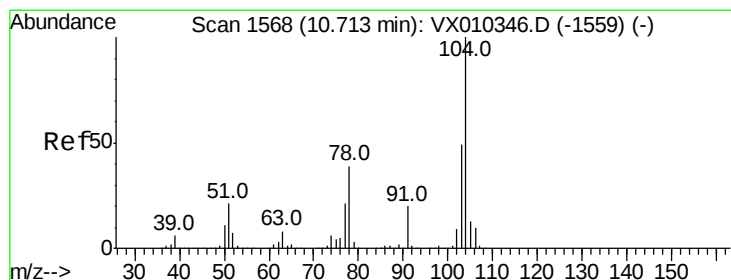
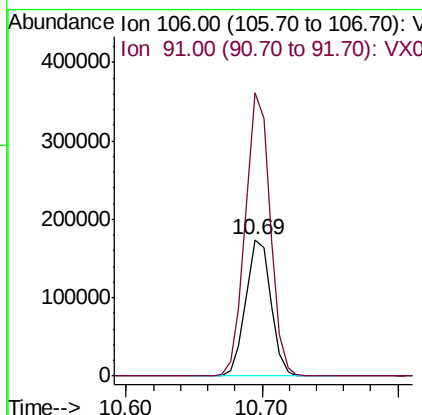
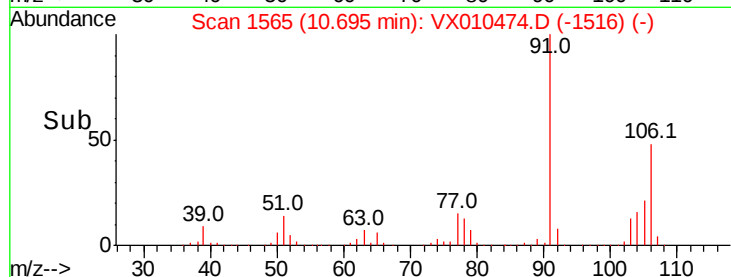
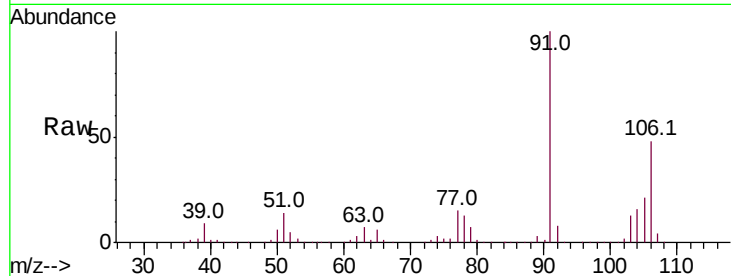
#69
o-Xylene
Concen: 49.479 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 227039
Ion Ratio Lower Upper
106 100
91 204.3 102.7 308.1

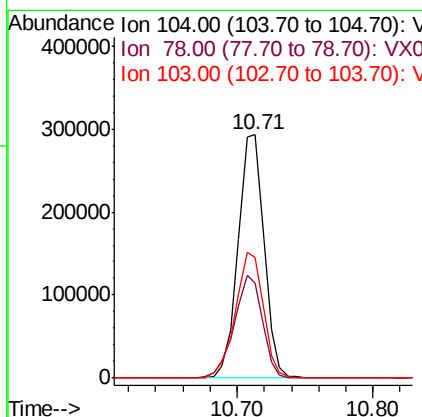
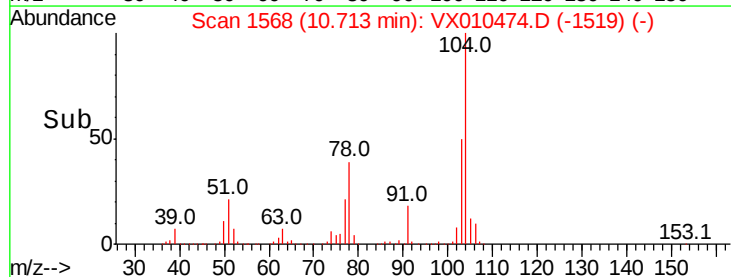
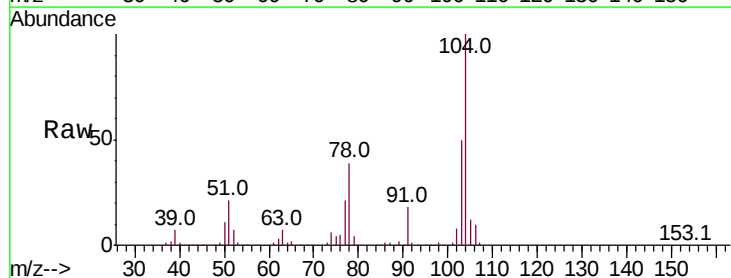
Manual Integrations
APPROVED

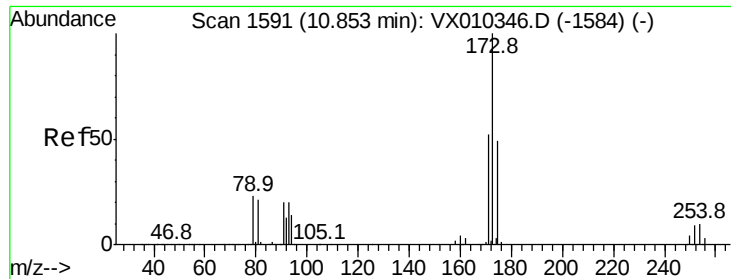
MMDadoda
6/27/2019 10:11:54 AM



#70
Styrene
Concen: 50.674 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion:104 Resp: 389946
Ion Ratio Lower Upper
104 100
78 45.7 36.2 54.2
103 55.4 44.2 66.4





#71

Bromoform

Concen: 50.851 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 114896

Ion Ratio Lower Upper

173 100

175 49.4 24.1 72.3

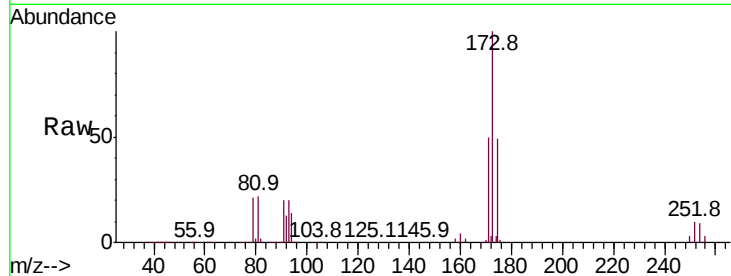
254 0.2 0.2 0.2

Manual Integrations

APPROVED

MMDadoda

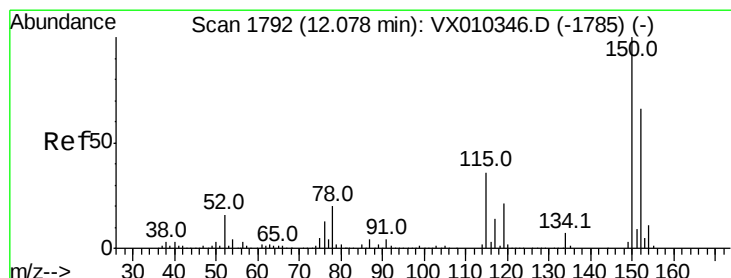
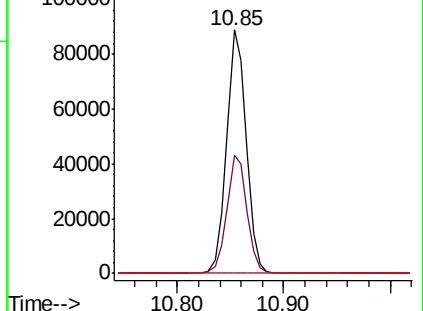
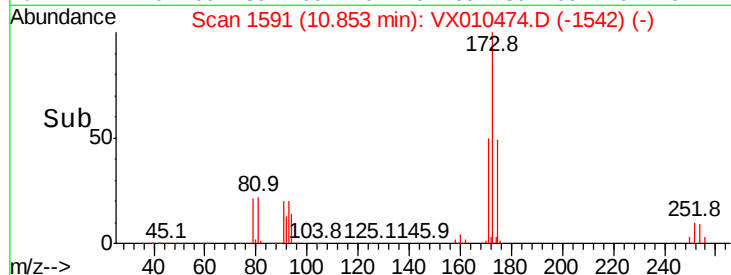
6/27/2019 10:11:54 AM



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: VX010474.D

Acq: 26 Jun 2019 19:39

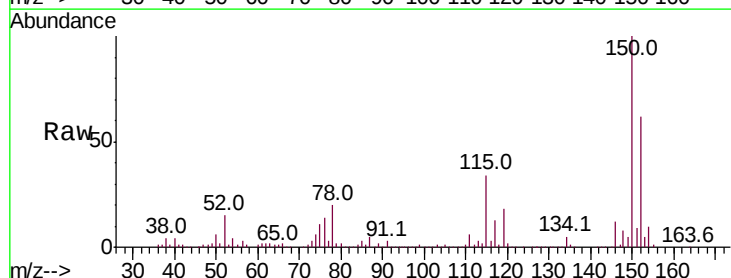
Tgt Ion:152 Resp: 183507

Ion Ratio Lower Upper

152 100

115 76.8 38.6 115.7

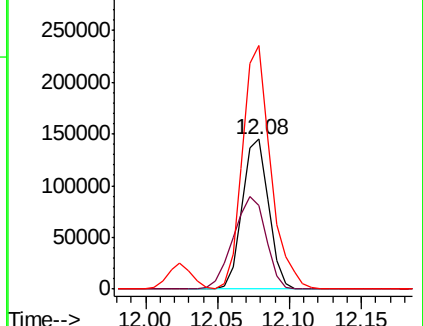
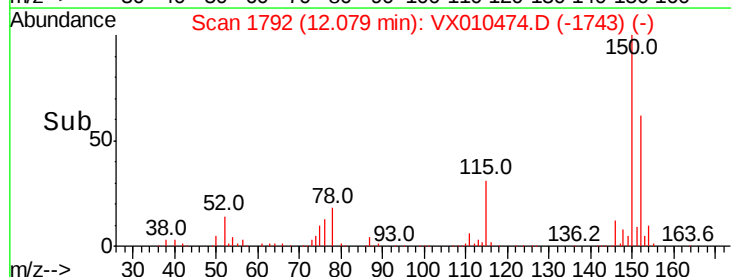
150 173.9 0.0 347.4

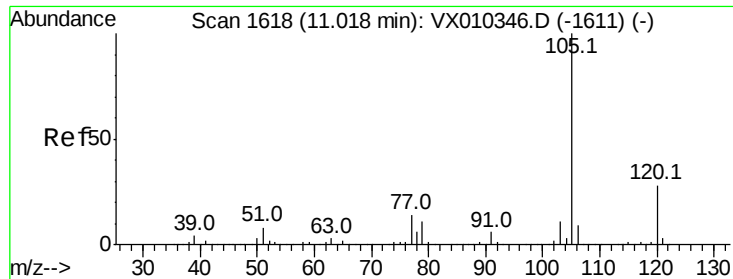


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.419 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 602305

Ion Ratio Lower Upper

105 100

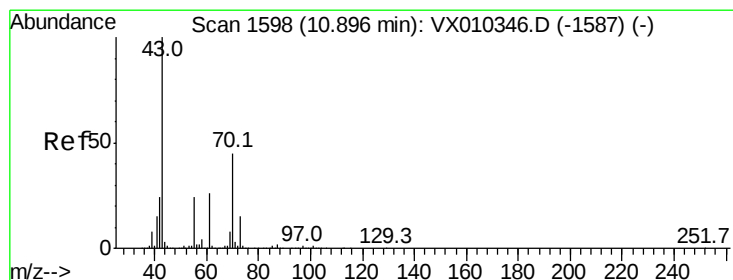
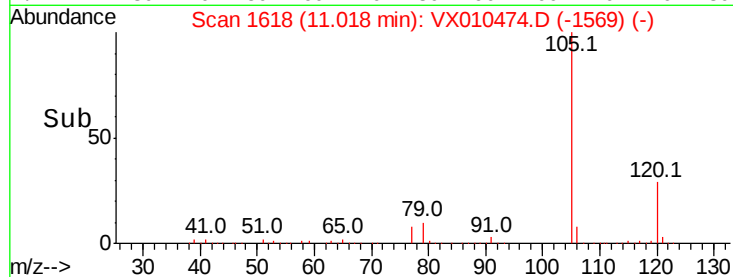
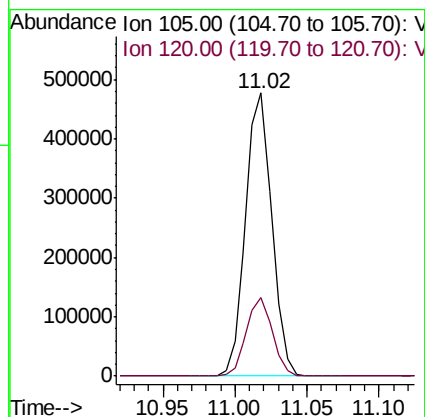
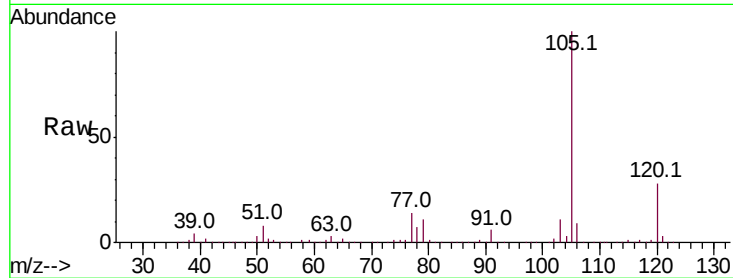
120 27.4 14.1 42.4

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#74

N-ethyl acetate

Concen: 51.724 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Tgt Ion: 43 Resp: 243163

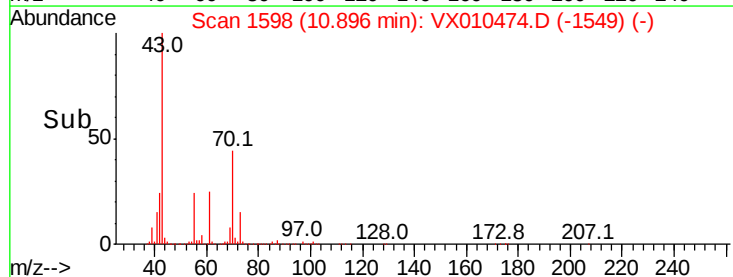
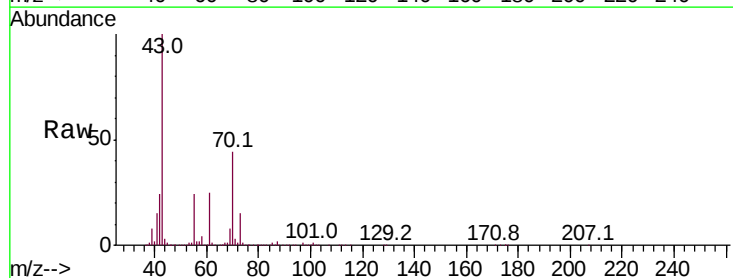
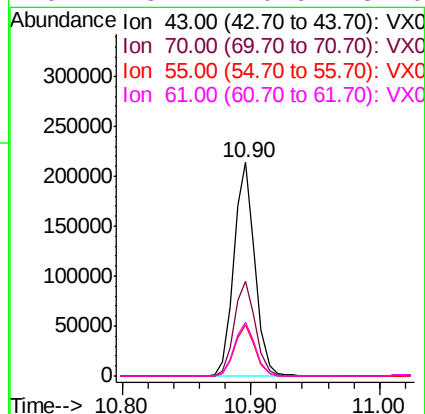
Ion Ratio Lower Upper

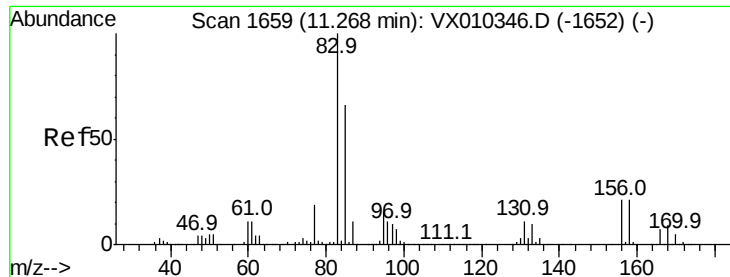
43 100

70 44.9 36.6 54.8

55 23.8 18.7 28.1

61 25.4 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.716 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 204813

Ion Ratio Lower Upper

83 100

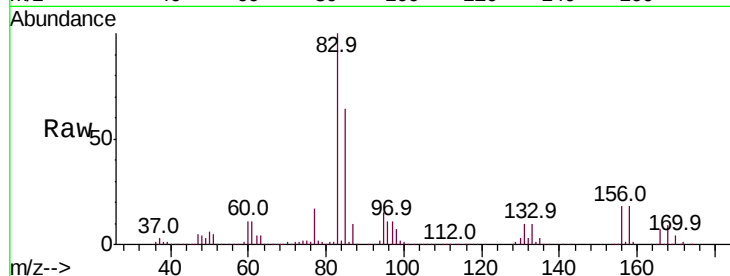
131 10.7 5.5 16.4

85 64.6 32.3 96.8

Manual Integrations
APPROVED

MMDadoda

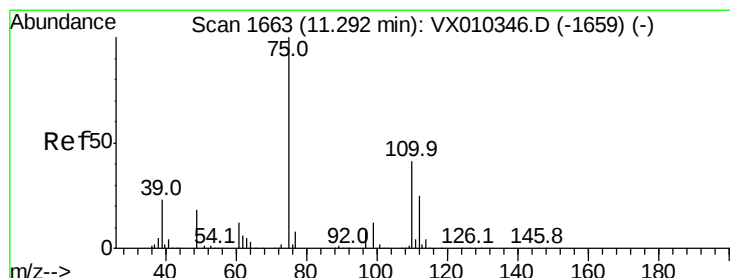
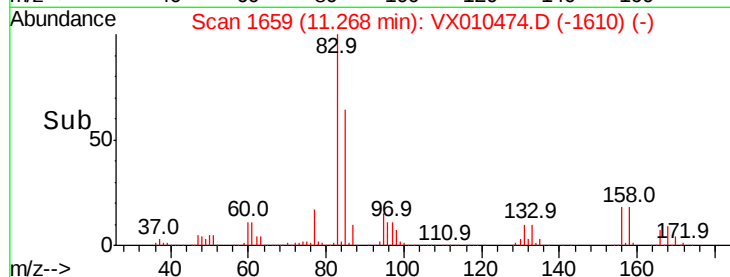
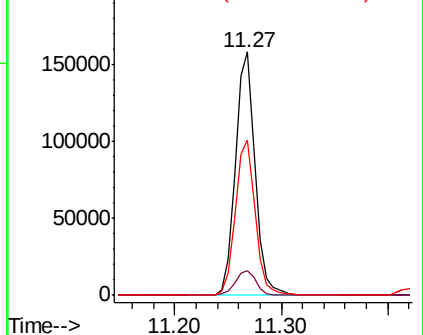
6/27/2019 10:11:54 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.906 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010474.D

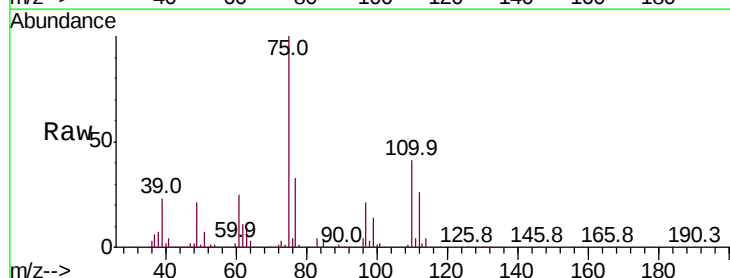
Acq: 26 Jun 2019 19:39

Tgt Ion: 75 Resp: 166885

Ion Ratio Lower Upper

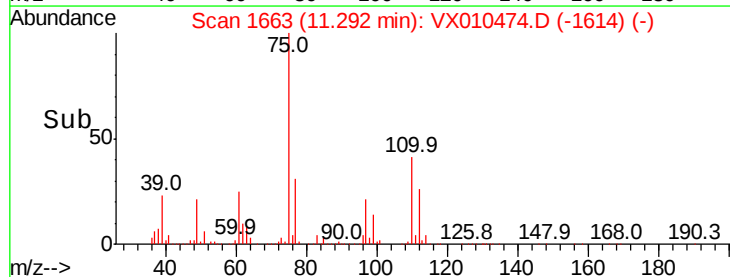
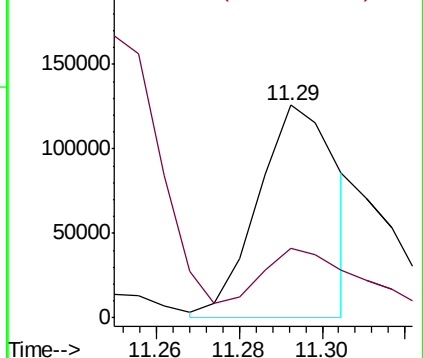
75 100

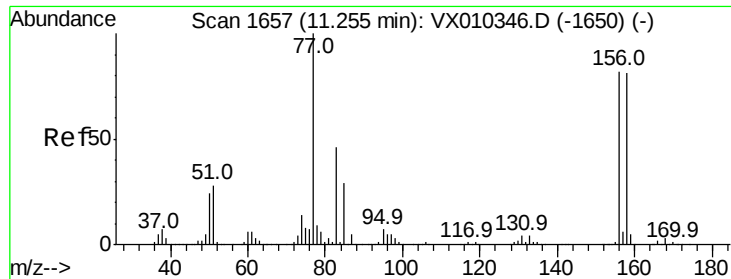
77 43.7 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.553 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

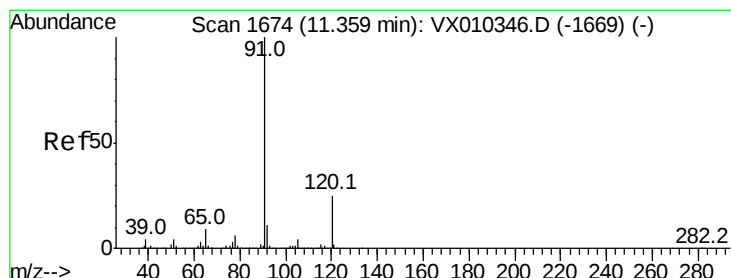
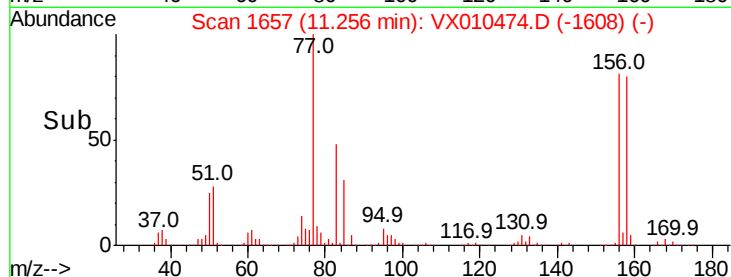
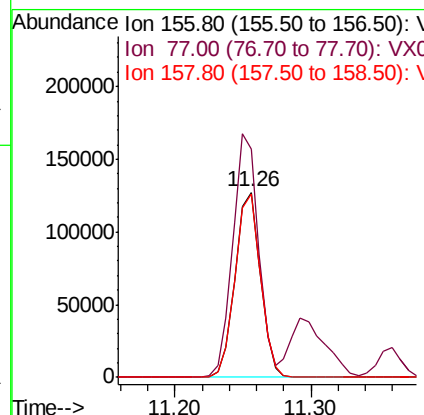
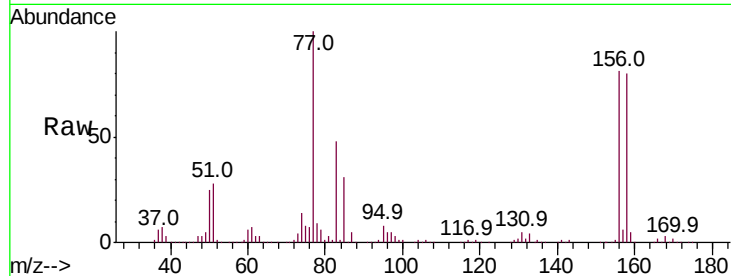
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	165175
Ion Ratio	Lower	Upper	
156	100		
77	133.3	66.3	198.7
158	99.7	48.9	146.7

Manual Integrations
APPROVED

MMDadoda
6/27/2019 10:11:54 AM



#78

n-propylbenzene

Concen: 49.414 ug/l

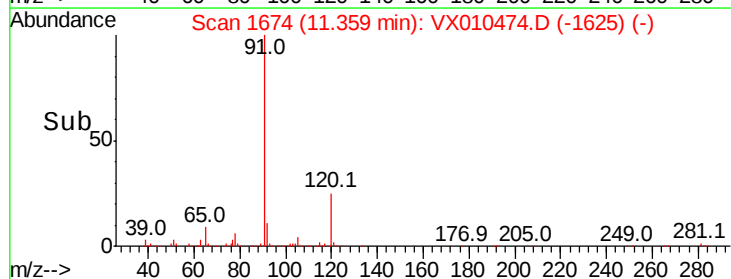
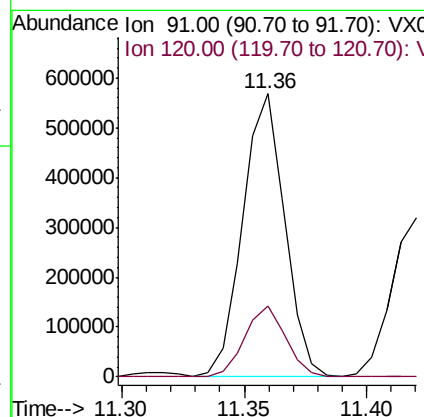
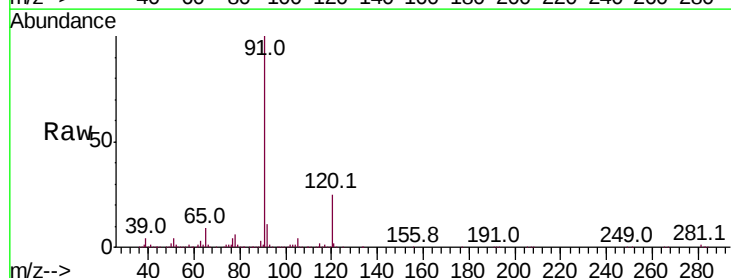
RT: 11.36 min Scan# 1674

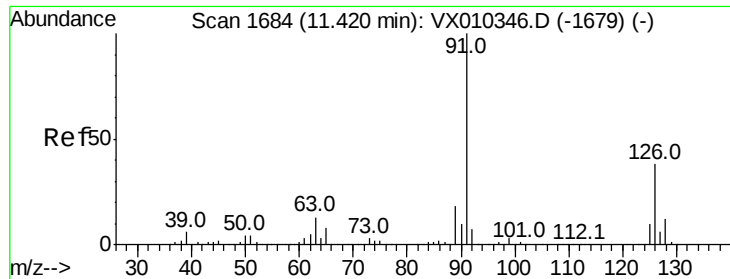
Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Tgt Ion:	91	Resp:	675573
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.4	37.4





#79

2-Chlorotoluene

Concen: 48.439 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 394348

Ion Ratio Lower Upper

91 100

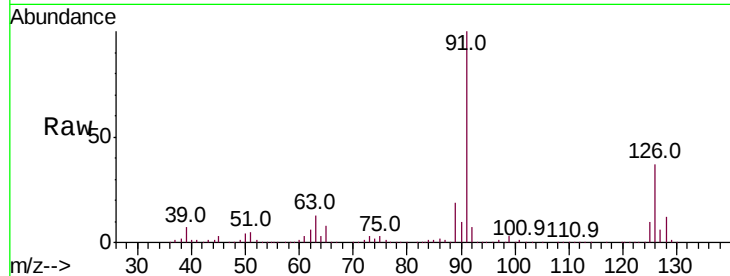
126 37.4 18.7 56.1

Manual Integrations

APPROVED

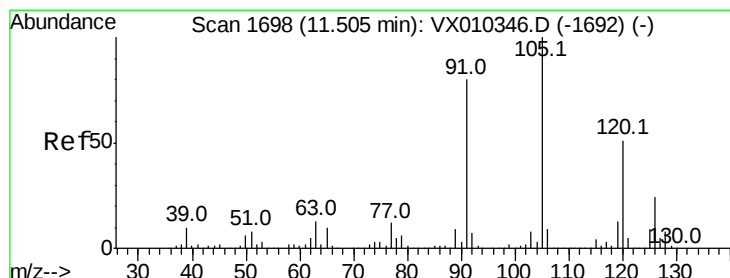
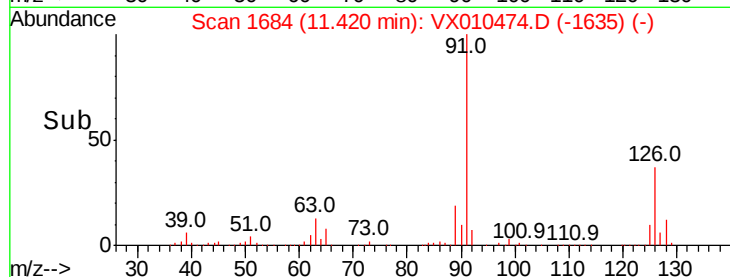
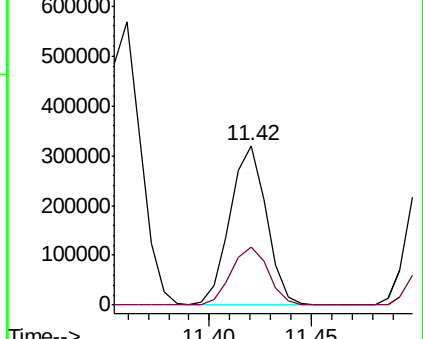
MMDadoda

6/27/2019 10:11:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.113 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010474.D

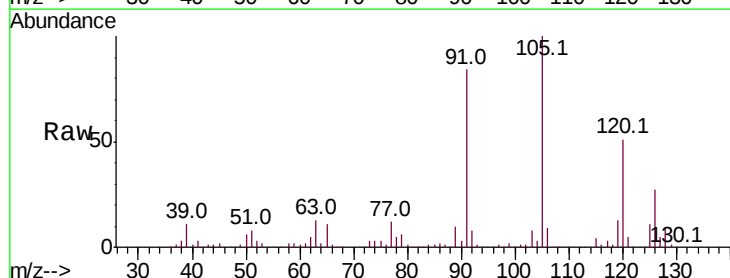
Acq: 26 Jun 2019 19:39

Tgt Ion: 105 Resp: 503644

Ion Ratio Lower Upper

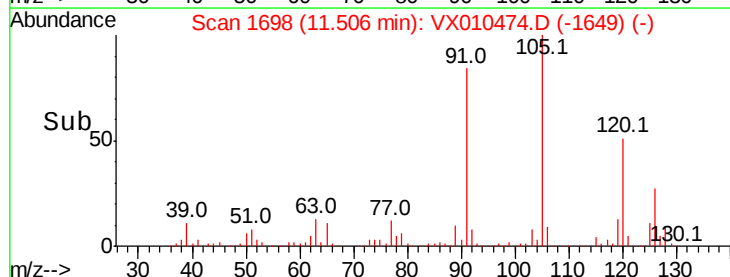
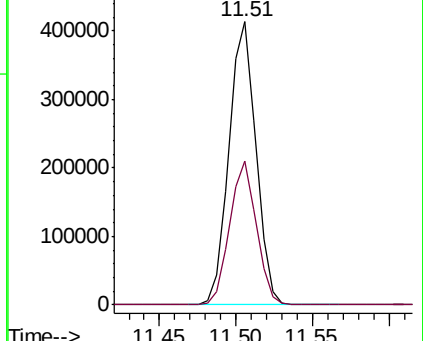
105 100

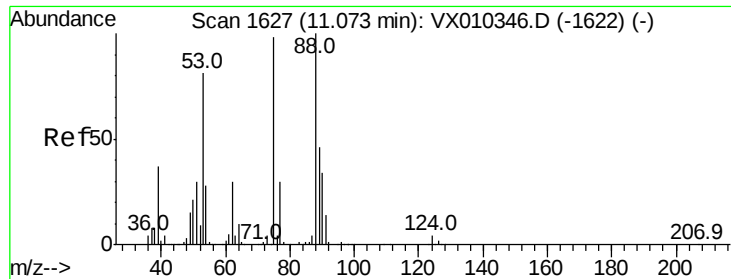
120 50.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





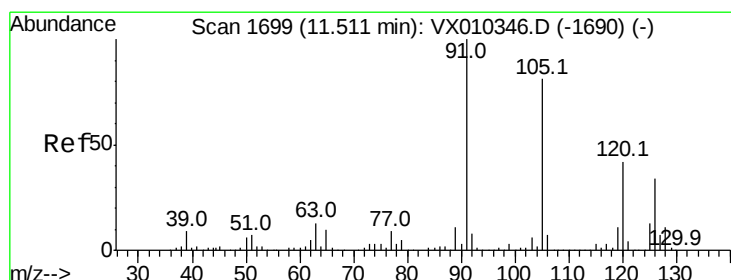
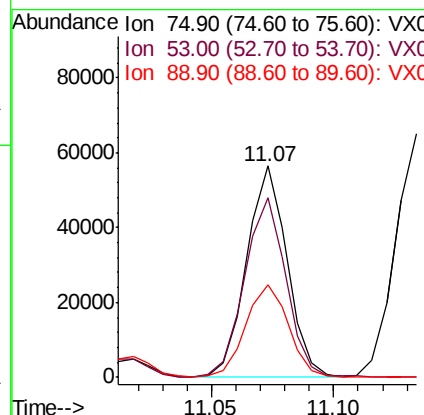
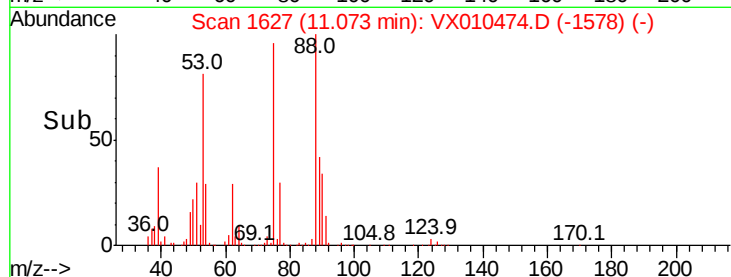
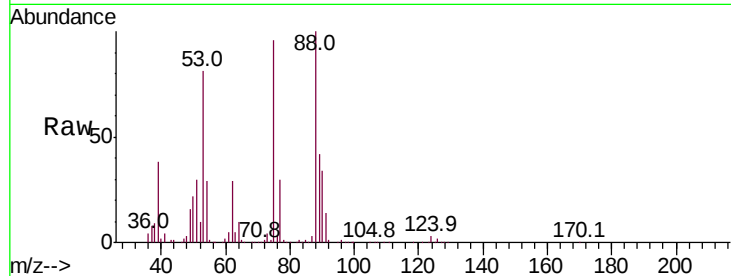
#81
trans-1,4-Dichloro-2-butene
Concen: 45.487 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.1	66.1	99.1
89	46.4	37.8	56.6

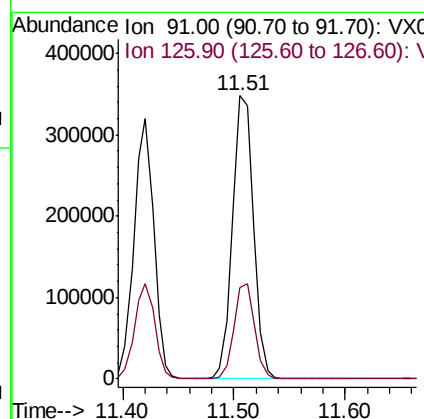
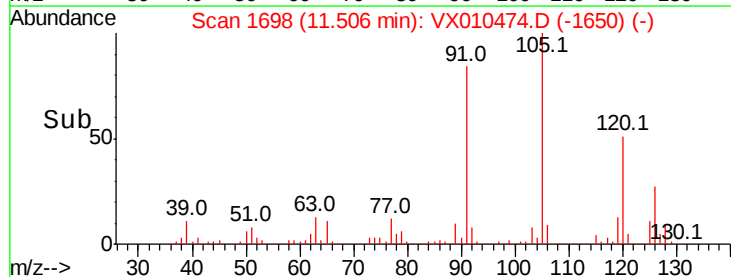
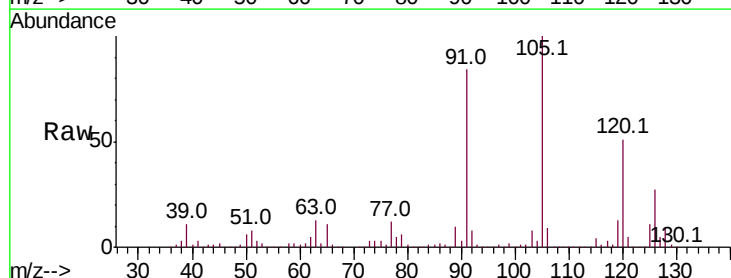
Manual Integrations
APPROVED

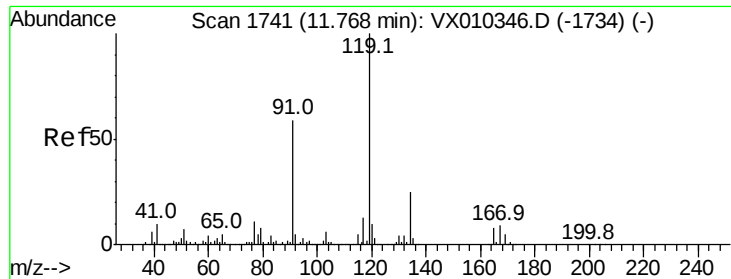
MMDadoda
6/27/2019 10:11:54 AM



#82
4-Chlorotoluene
Concen: 49.070 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.6





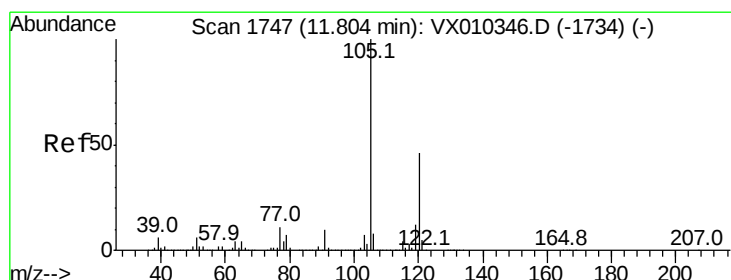
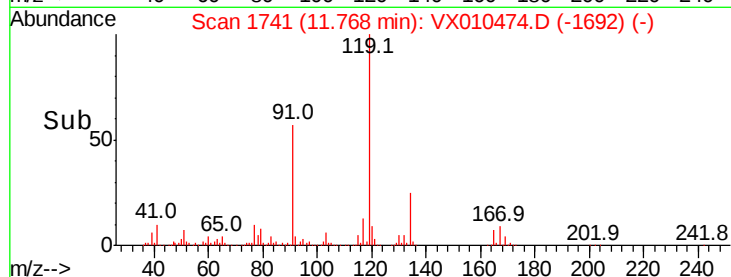
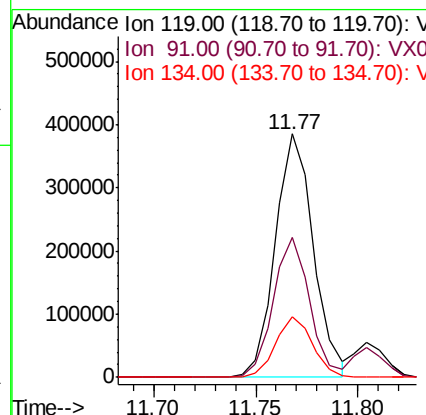
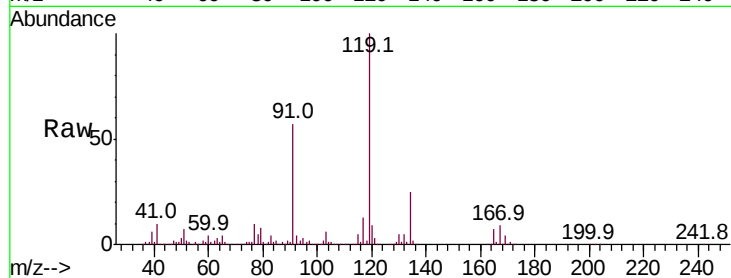
#83
tert-Butylbenzene
Concen: 48.777 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.0	27.6	82.7
134	24.0	11.8	35.4

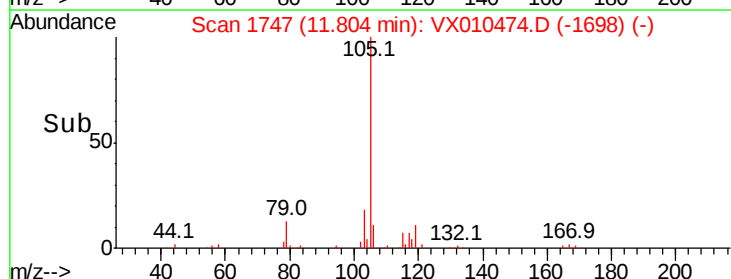
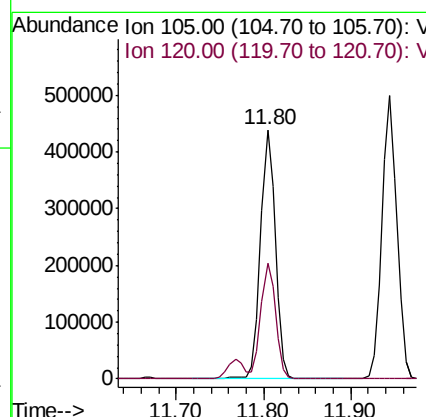
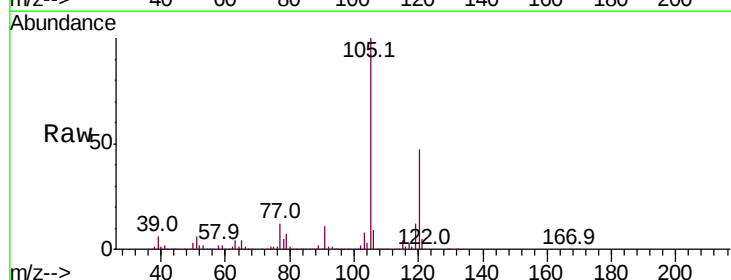
Manual Integrations
APPROVED

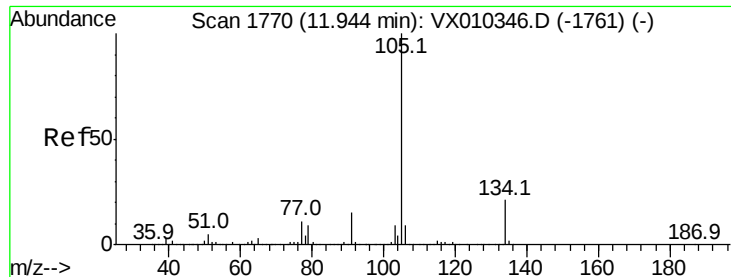
MMDadoda
6/27/2019 10:11:54 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.588 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.2





#85

sec-Butylbenzene

Concen: 49.223 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 594862

Ion Ratio Lower Upper

105 100

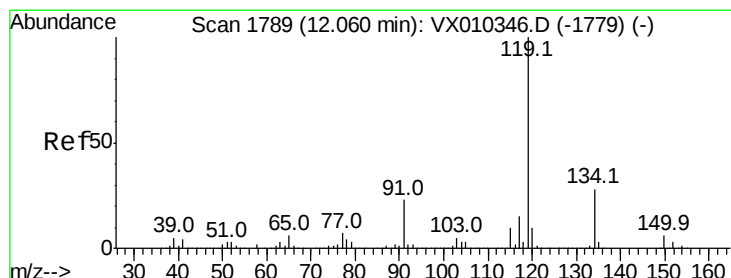
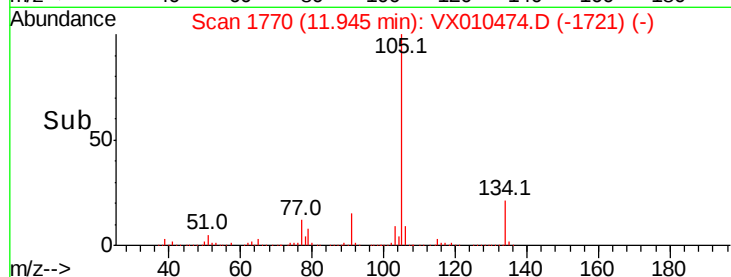
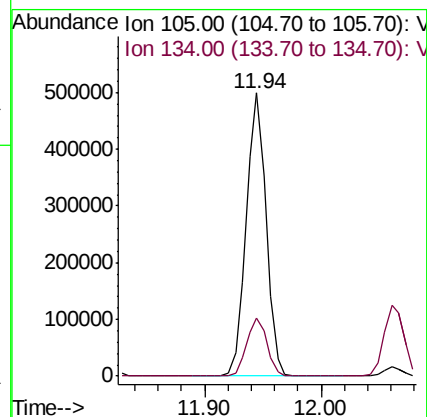
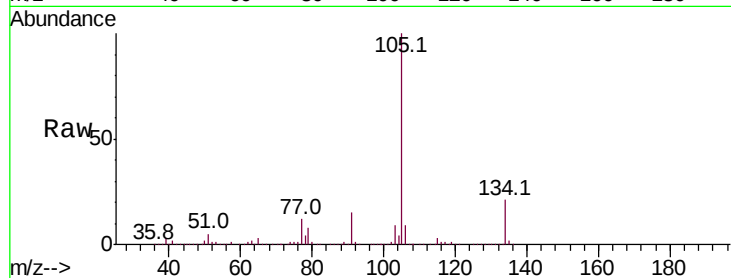
134 20.9 10.7 31.9

Manual Integrations

APPROVED

MMDadoda

6/27/2019 10:11:54 AM



#86

p-Isopropyltoluene

Concen: 49.301 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010474.D

Acq: 26 Jun 2019 19:39

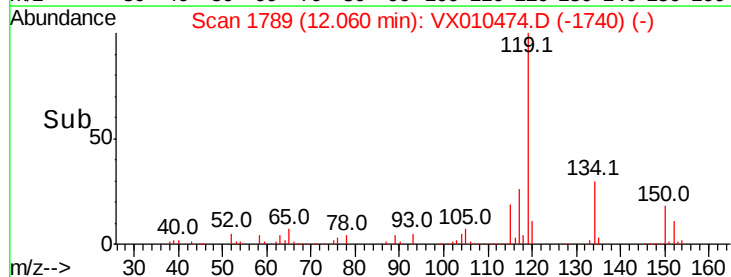
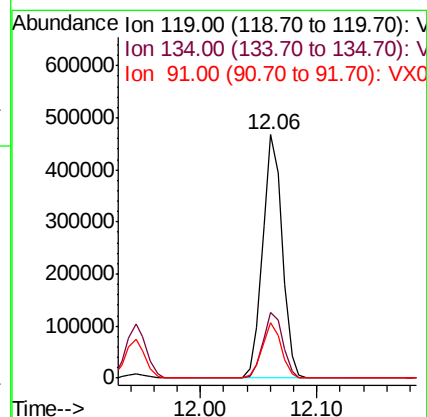
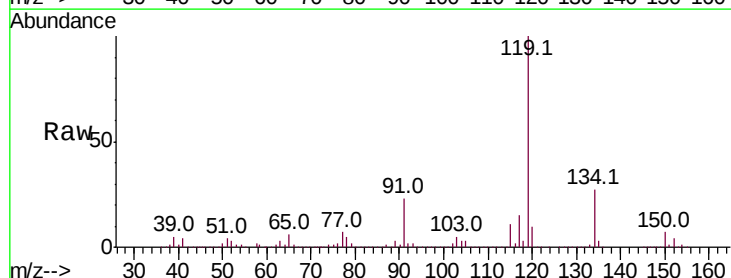
Tgt Ion:119 Resp: 551095

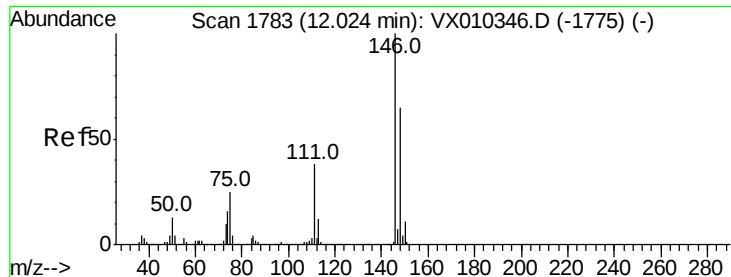
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

91 22.1 11.3 33.8





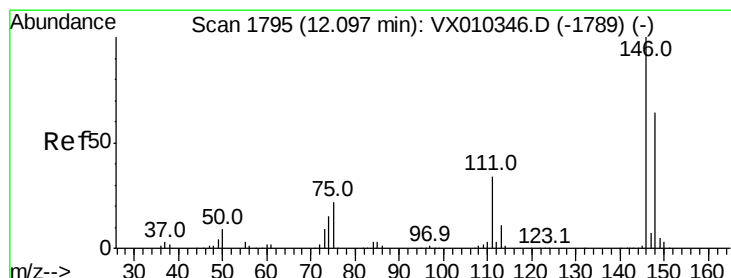
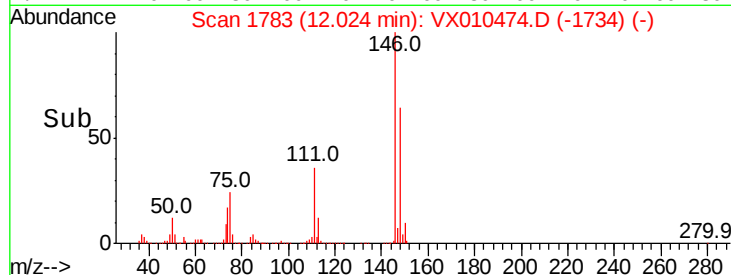
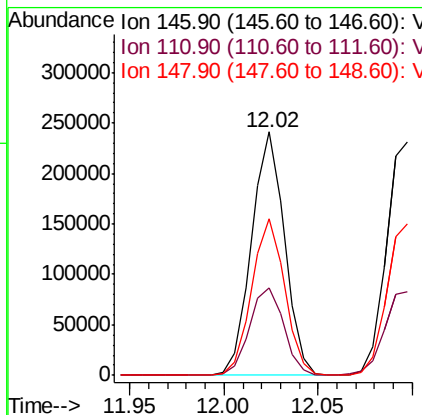
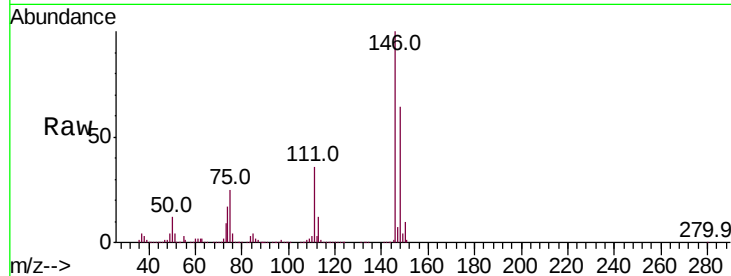
#87
 1,3-Dichlorobenzene
 Concen: 48.449 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010474.D
 Acq: 26 Jun 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.1
148	64.2	32.5	97.4

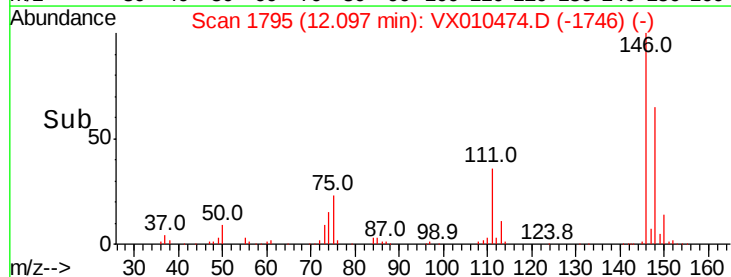
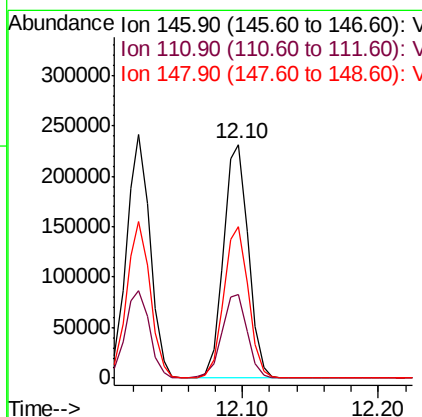
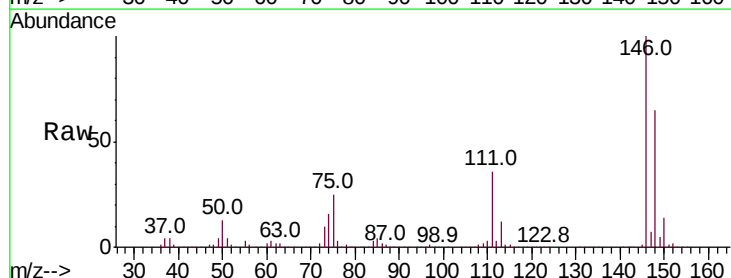
Manual Integrations
 APPROVED

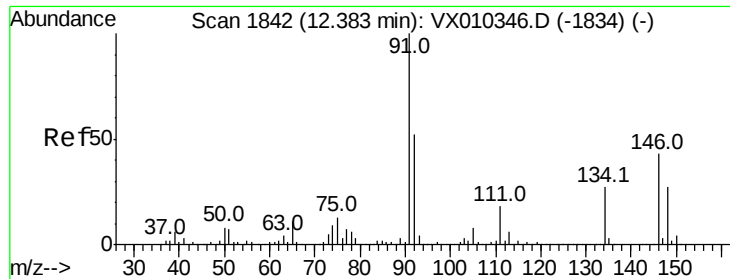
MMDadoda
 6/27/2019 10:11:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.371 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010474.D
 Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.3
148	64.2	32.1	96.3





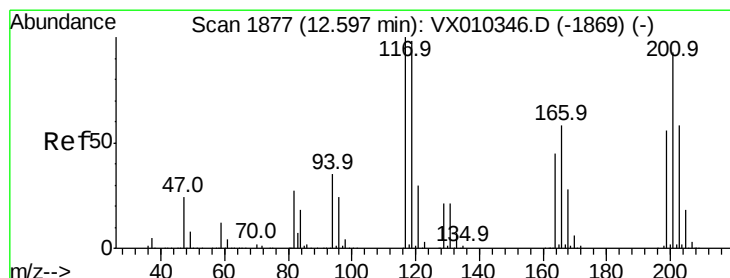
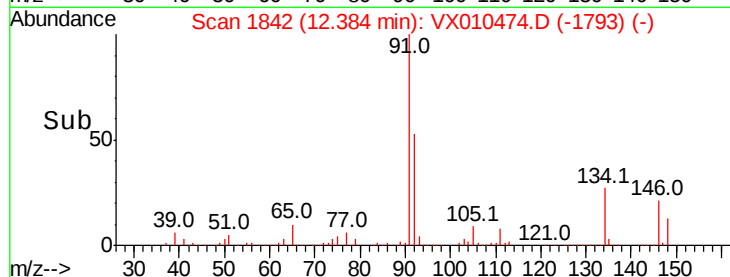
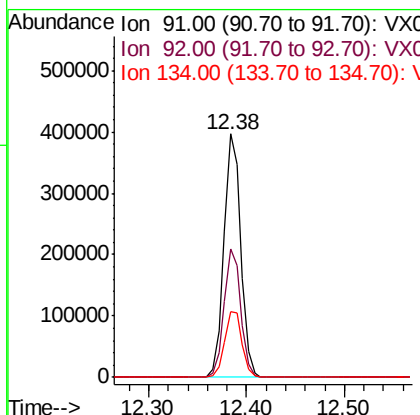
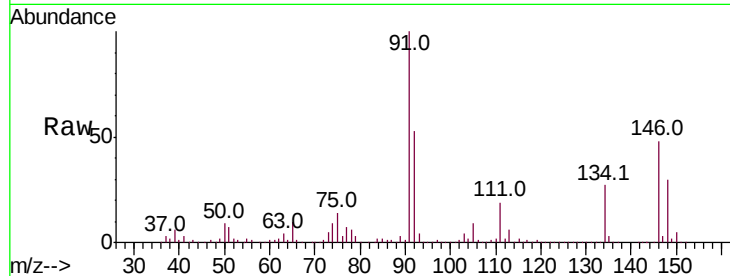
#89
n-Butylbenzene
Concen: 49.578 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	28.0	14.1	42.4

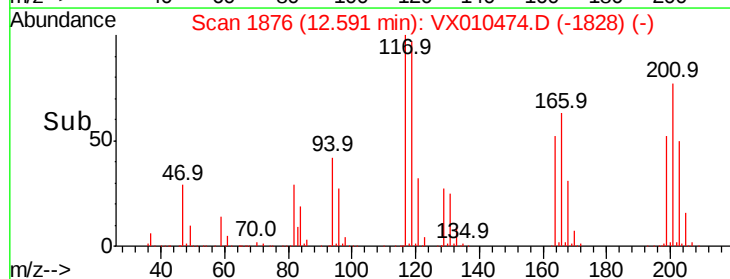
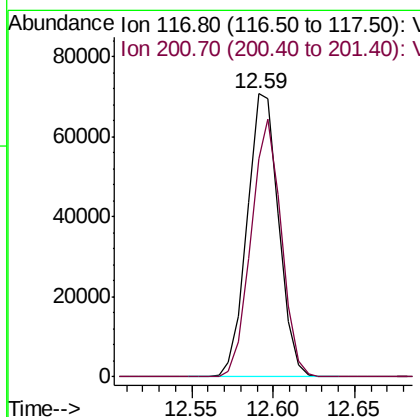
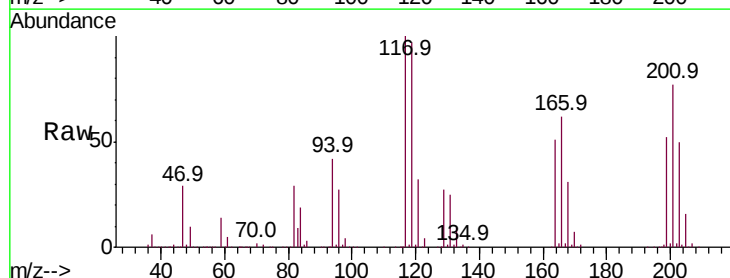
Manual Integrations
APPROVED

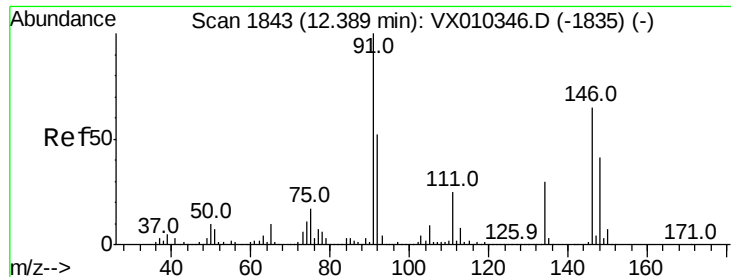
MMDadoda
6/27/2019 10:11:54 AM



#90
Hexachloroethane
Concen: 49.405 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.0	44.0	131.8





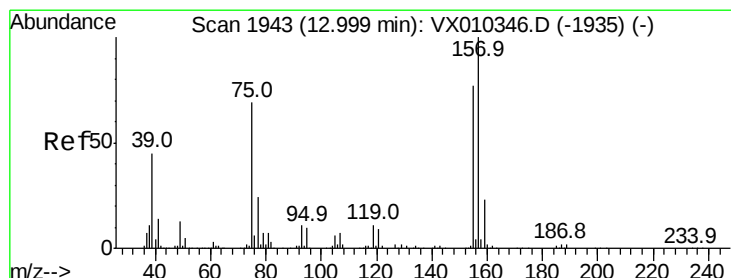
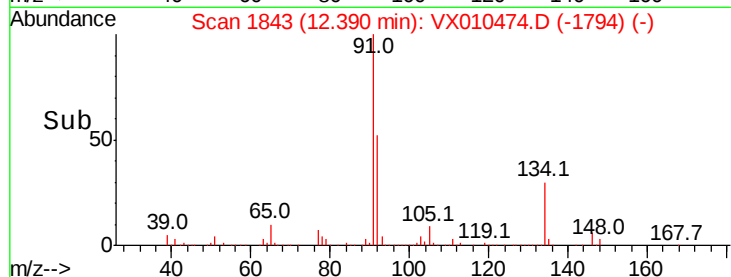
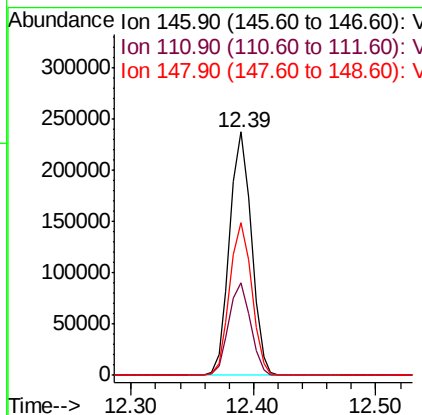
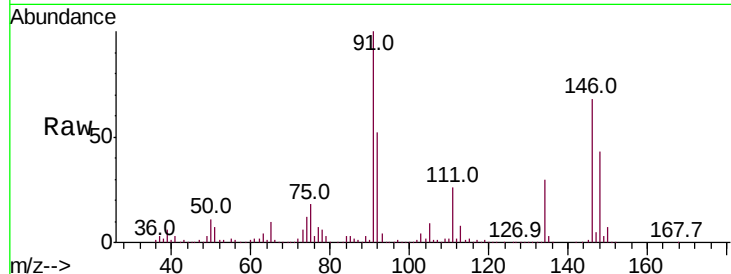
#91
1,2-Dichlorobenzene
Concen: 48.508 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.2	57.6
148	63.3	32.0	96.0

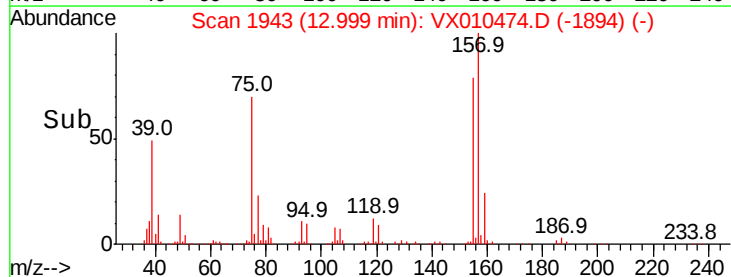
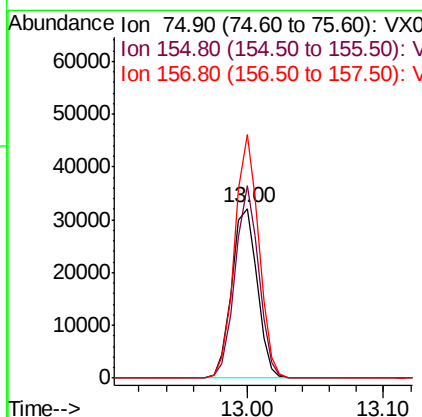
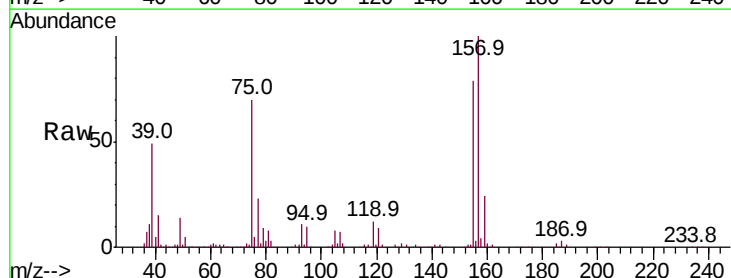
Manual Integrations
APPROVED

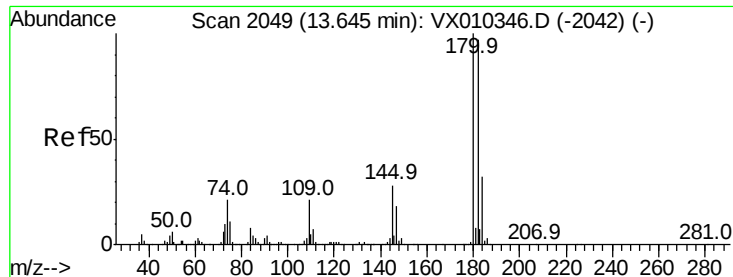
MMDadoda
6/27/2019 10:11:54 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.244 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.3	54.4	163.1
157	135.8	69.5	208.3





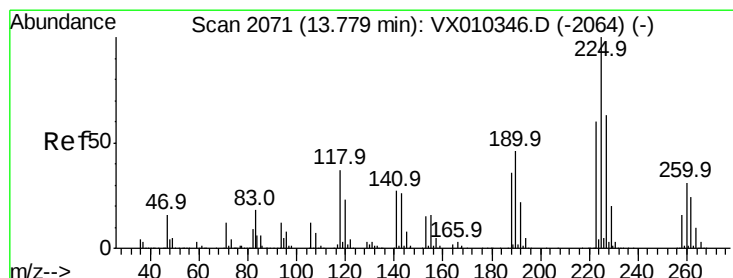
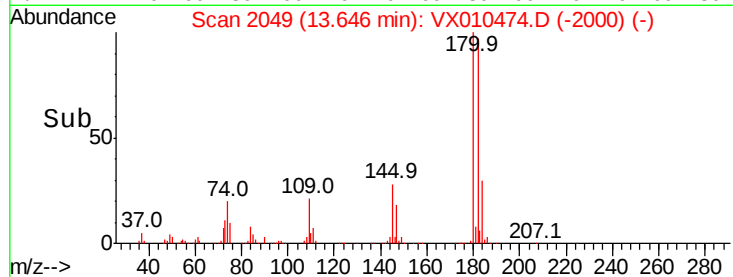
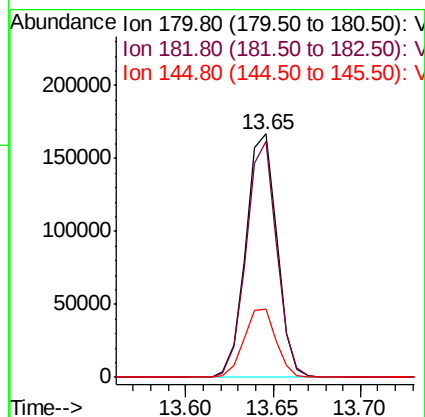
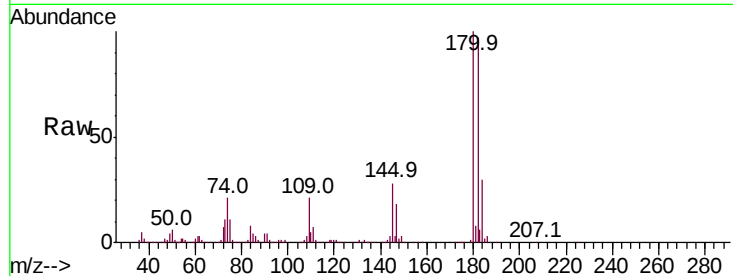
#93
1,2,4-Trichlorobenzene
Concen: 49.630 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	207403		
182	95.0	48.0	144.0	
145	28.9	14.4	43.4	

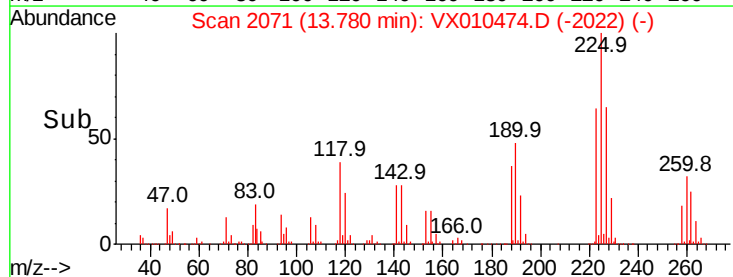
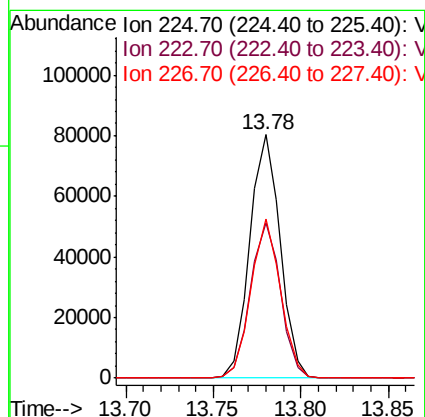
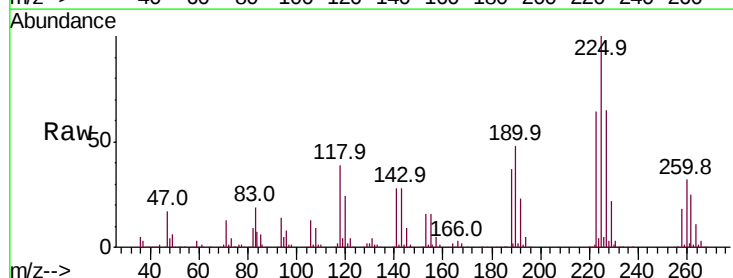
Manual Integrations
APPROVED

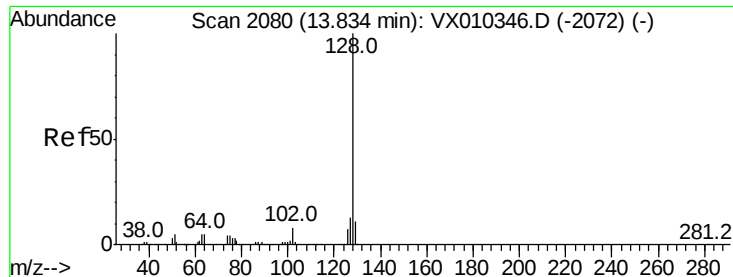
MMDadoda
6/27/2019 10:11:54 AM



#94
Hexachlorobutadiene
Concen: 47.391 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96792		
223	63.7	30.9	92.7	
227	63.9	31.9	95.5	





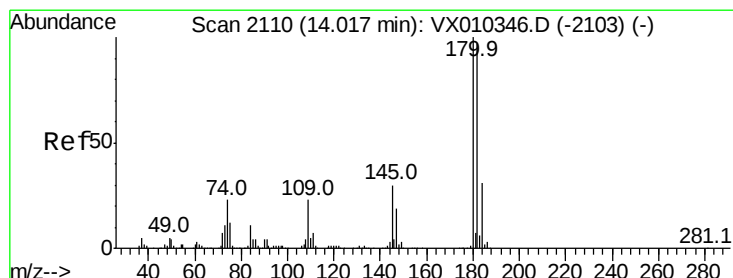
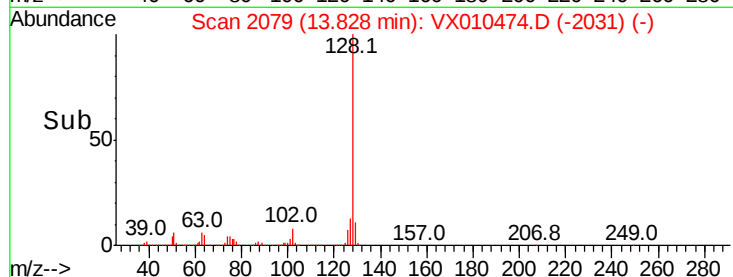
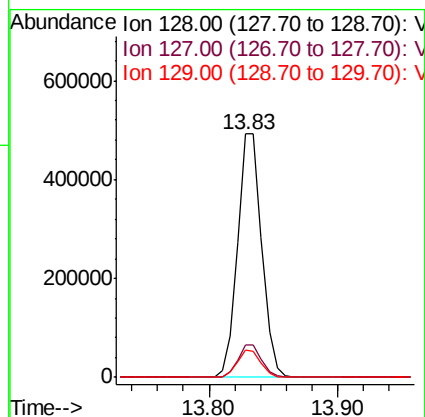
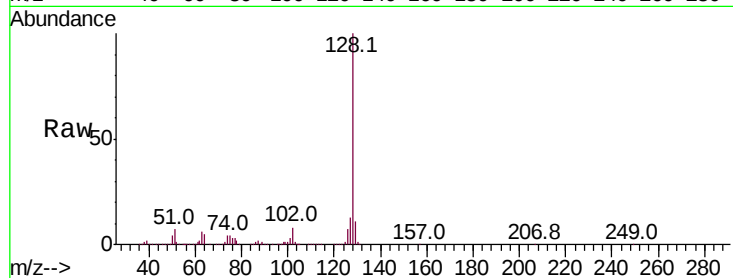
#95
Naphthalene
Concen: 49.935 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/27/2019 10:11:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.592 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010474.D
Acq: 26 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.3
145	30.7	15.2	45.6

