

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007924.D
 Acq On : 08 Mar 2019 11:40
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 9:31:04 AM

Quant Time: Mar 08 13:03:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 11:32:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	42615	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	240341	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	209176	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	84970	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	11.14	95	101073	30.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.13%
63) Toluene-d8	8.71	98	287202	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	365391	143.100	ug/l 99
3) Chloromethane	1.33	50	380711	132.098	ug/l 97
4) Vinyl Chloride	1.41	62	398128	141.192	ug/l 99
5) Bromomethane	1.64	94	187547	131.702	ug/l 99
6) Chloroethane	1.71	64	217203	129.882	ug/l 96
7) Trichlorofluoromethane	1.92	101	483615	136.940	ug/l 97
8) Diethyl Ether	2.19	74	267400	149.540	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	381503	145.319	ug/l 98
10) 1,1-Dichloroethene	2.37	96	370648	149.862	ug/l 94
11) Methyl Iodide	2.51	142	602613	157.161	ug/l 95
12) Methyl Acetate	2.78	43	547214	137.610	ug/l 96
13) Acrolein	2.30	56	343222	747.574	ug/l 98
14) Acrylonitrile	3.15	53	1205820	720.646	ug/l 100
15) Acetone	2.45	58	377592	605.738	ug/l 100
16) Carbon Disulfide	2.57	76	1170722	151.126	ug/l 99
17) Allyl chloride	2.73	41	762001	150.381	ug/l 87
18) Methylene Chloride	2.85	84	401072	140.582	ug/l 94
19) trans-1,2-Dichloroethene	3.16	96	388714	148.214	ug/l 96
20) Diisopropyl ether	3.87	45	1365283	146.524	ug/l 92
21) 1,1-Dichloroethane	3.70	63	740938	146.133	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	450422	149.051	ug/l 92
23) tert-Butyl Alcohol	3.10	59	482048	712.550	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	1264064	148.351	ug/l 95
25) Chloroform	5.22	83	701049	146.574	ug/l 98
26) Cyclohexane	5.57	56	704632	151.470	ug/l # 92
29) 1,1-Dichloropropene	5.80	75	557736	145.474	ug/l 97
30) 2-Butanone	4.70	43	1730327	656.414	ug/l 97
31) 2,2-Dichloropropane	4.59	77	533282	151.890	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	612931	148.430	ug/l 99
33) Carbon Tetrachloride	5.78	117	549969	150.585	ug/l 98
34) Benzene	6.14	78	1676279	142.006	ug/l 98
35) Methacrylonitrile	5.06	41	359258	141.888	ug/l 96
36) 1,2-Dichloroethane	6.20	62	535063	138.705	ug/l 99
37) Trichloroethene	7.21	130	459000	143.881	ug/l 97
38) Methylcyclohexane	7.46	83	718680	147.923	ug/l 96
39) 1,2-Dichloropropane	7.52	63	441721	143.843	ug/l 100
40) Dibromomethane	7.66	93	279723	143.547	ug/l 93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030819\
 Data File : VX007924.D
 Acq On : 08 Mar 2019 11:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 9:31:04 AM

Quant Time: Mar 08 13:03:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 11:32:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	545226	149.138	ug/l	99
42) Vinyl Acetate	3.83	43	6020130	717.259	ug/l	97
43) Ethyl Acetate	4.86	43	633557	139.542	ug/l #	82
44) Isopropyl Acetate	6.46	43	1013296	147.928	ug/l	99
45) 1,4-Dioxane	7.76	88	203448	2810.781	ug/l	93
46) Methyl methacrylate	7.77	41	521962	144.155	ug/l	90
47) n-amyl Acetate	10.90	43	881890	149.792	ug/l	95
48) t-1,3-Dichloropropene	9.04	75	634077	163.139	ug/l	98
49) cis-1,3-Dichloropropene	8.44	75	694292	156.352	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	411244	137.287	ug/l	95
51) Ethyl methacrylate	9.18	69	657440	146.537	ug/l	94
52) 1,3-Dichloropropane	9.37	76	689095	139.677	ug/l	99
53) Dibromochloromethane	9.59	129	457543	151.320	ug/l	100
54) 1,2-Dibromoethane	9.68	107	442480	142.243	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	1500035	715.555	ug/l	99
56) Bromoform	10.86	173	376440	157.330	ug/l #	98
58) 4-Methyl-2-Pentanone	8.65	43	3060102	701.335	ug/l	99
59) 2-Hexanone	9.50	43	2373876	686.461	ug/l	98
61) Tetrachloroethene	9.34	164	425865	137.181	ug/l	97
62) Toluene	8.79	91	1781369	144.840	ug/l	100
64) Chlorobenzene	10.14	112	1123744	143.006	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	419096	150.455	ug/l	99
66) Ethyl Benzene	10.25	91	1933300	146.715	ug/l	98
67) m/p-Xylenes	10.36	106	1475997	291.799	ug/l	98
68) o-Xylene	10.70	106	718270	146.316	ug/l	99
69) Styrene	10.71	104	1193067	147.792	ug/l	99
70) Isopropylbenzene	11.02	105	1898755	144.373	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	621372	142.741	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	575626m	139.712	ug/l	
73) Bromobenzene	11.26	156	506578	145.007	ug/l	95
74) n-propylbenzene	11.36	91	2160427	145.933	ug/l	99
75) 2-Chlorotoluene	11.42	91	1274371	143.066	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	1589084	146.138	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	215953	178.552	ug/l	84
78) 4-Chlorotoluene	11.51	91	1474647	147.247	ug/l	97
79) tert-butylbenzene	12.07	119	1722722	148.000	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	1617126	146.625	ug/l	98
81) sec-Butylbenzene	11.94	105	1919956	147.079	ug/l	99
82) p-Isopropyltoluene	12.07	119	1722722	148.000	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	917105	148.051	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	918634	148.263	ug/l	98
85) n-Butylbenzene	12.39	91	1539762	156.418	ug/l	98
86) Hexachloroethane	12.60	117	301296	161.794	ug/l	83
87) 1,2-Dichlorobenzene	12.39	146	899315	146.619	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	139558	160.756	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	685025	157.710	ug/l	98
90) Hexachlorobutadiene	13.78	225	358563	147.696	ug/l	98
91) Naphthalene	13.83	128	1974049	158.766	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	672781	155.341	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
Data File : VX007924.D
Acq On : 08 Mar 2019 11:40
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

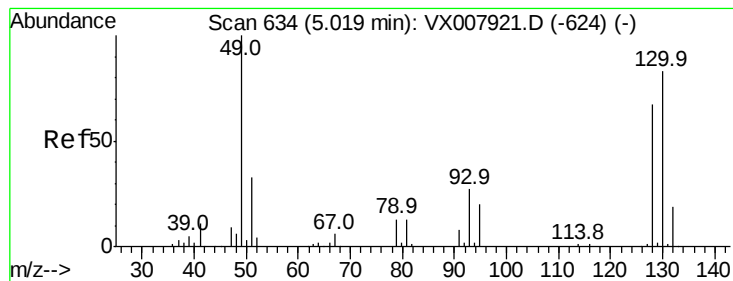
Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:31:04 AM

Quant Time: Mar 08 13:03:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 08 11:32:21 2019
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

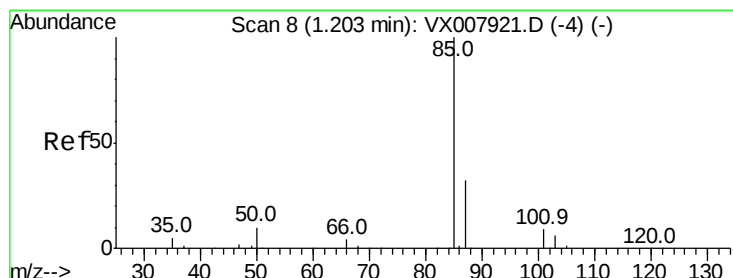
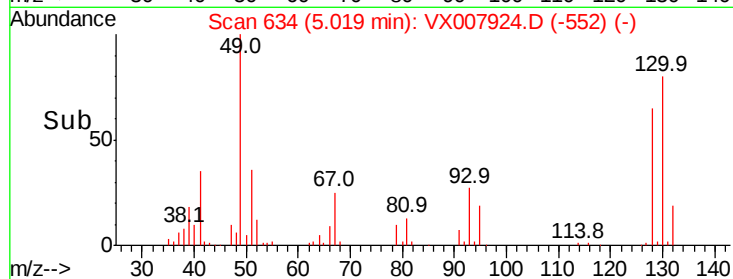
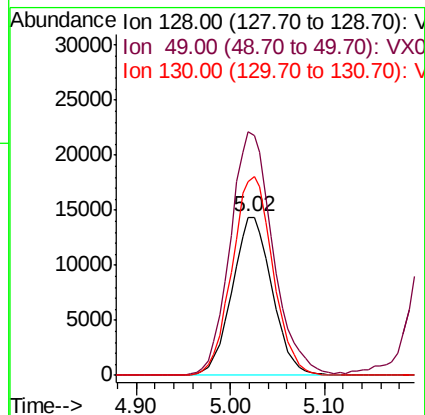
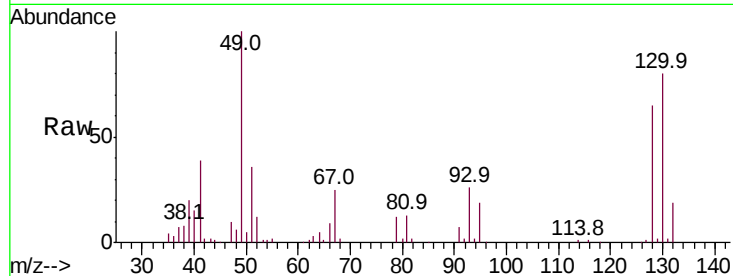
ClientSampleId :

VSTDICC150

Tot Ion:	128	Resp:	42615
Ion	Ratio	Lower	Upper
128	100		
49	165.0	0.0	350.8
130	127.9	0.0	325.8

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:31:04 AM



#2

Dichlorodifluoromethane

Concen: 143.100 ug/l

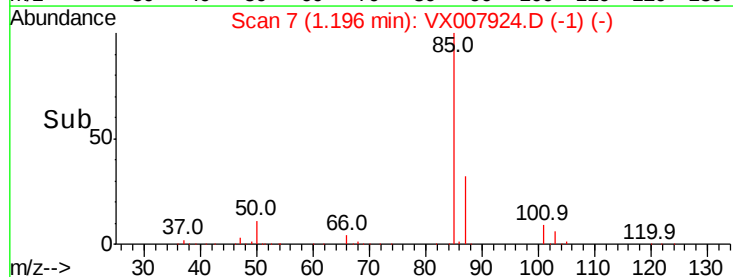
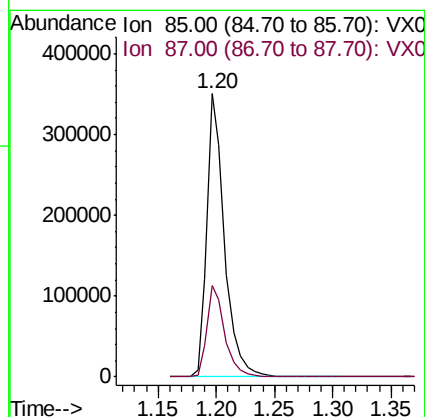
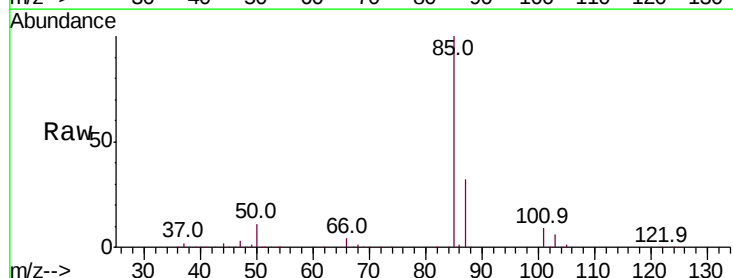
RT: 1.20 min Scan# 7

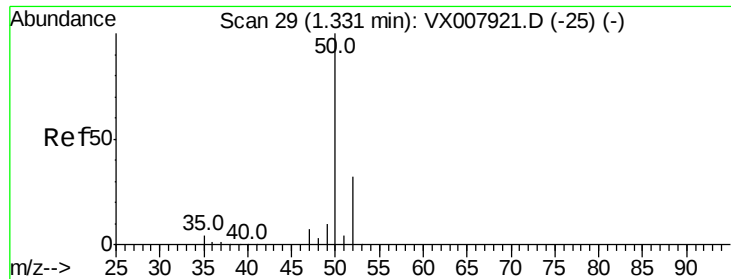
Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Tgt Ion:	85	Resp:	365391
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8





#3

Chloromethane

Concen: 132.098 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 380711

Ion Ratio Lower Upper

50 100

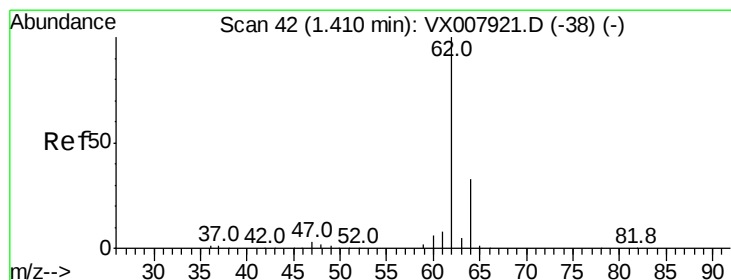
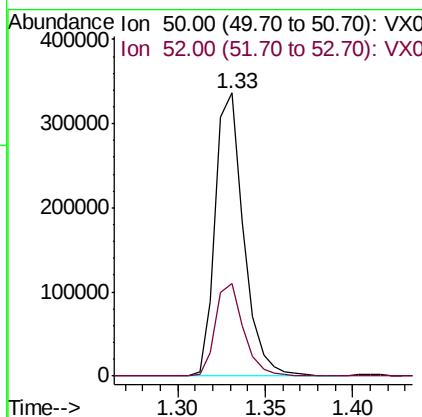
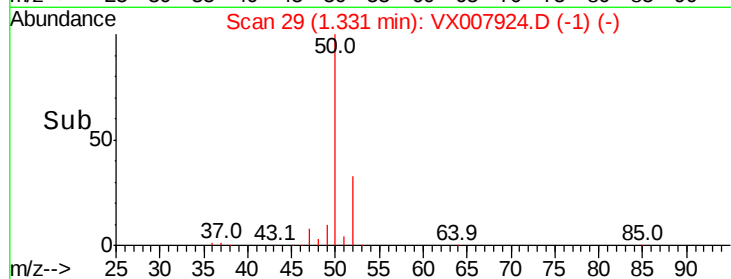
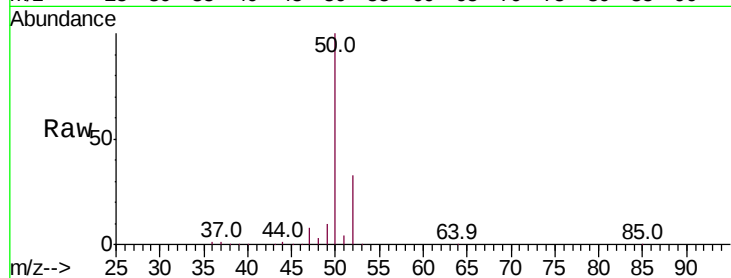
52 32.9 27.5 41.3

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:31:04 AM



#4

Vinyl Chloride

Concen: 141.192 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007924.D

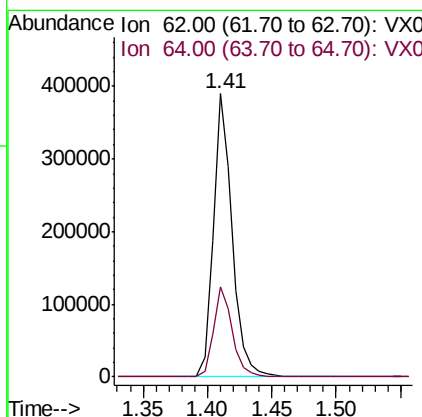
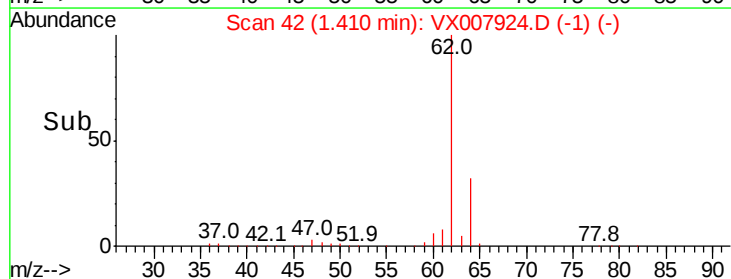
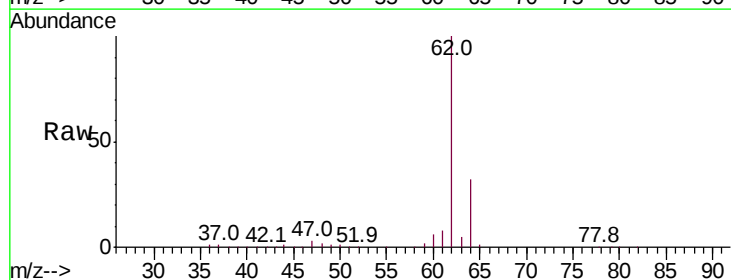
Acq: 08 Mar 2019 11:40

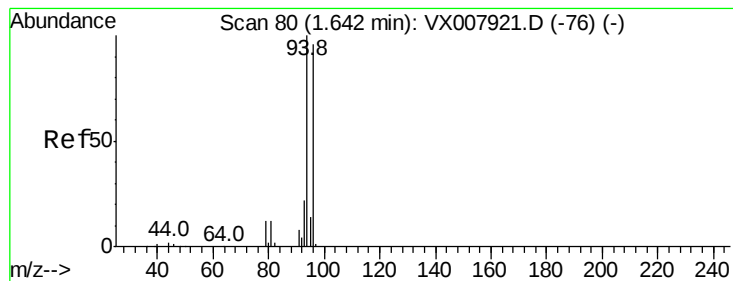
Tgt Ion: 62 Resp: 398128

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





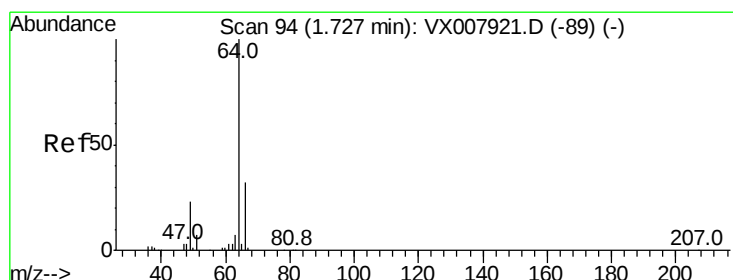
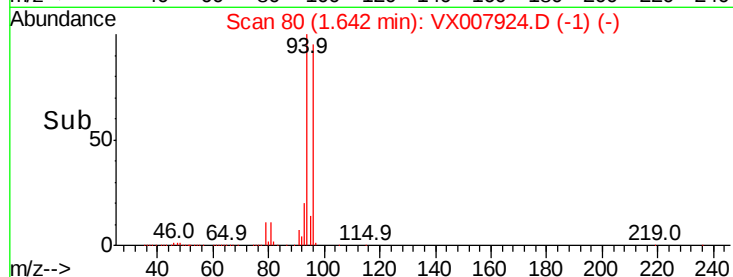
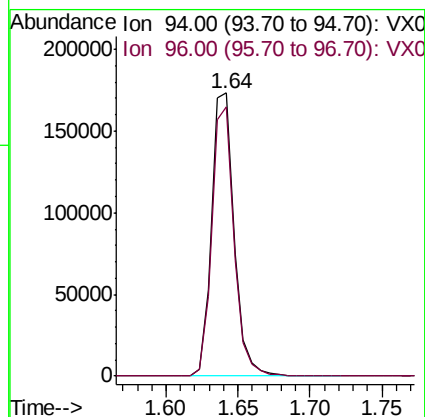
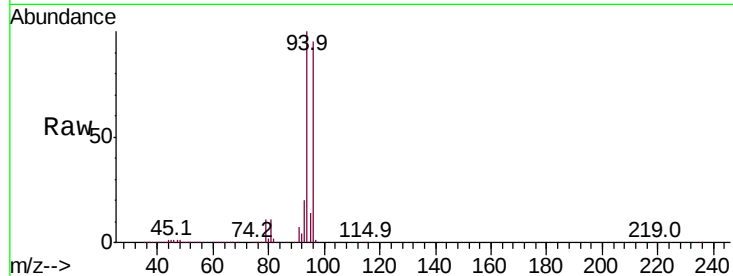
#5
Bromomethane
Concen: 131.702 ug/l
RT: 1.64 min Scan# 80
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 94 Resp: 187547
Ion Ratio Lower Upper
94 100
96 95.3 75.6 113.4

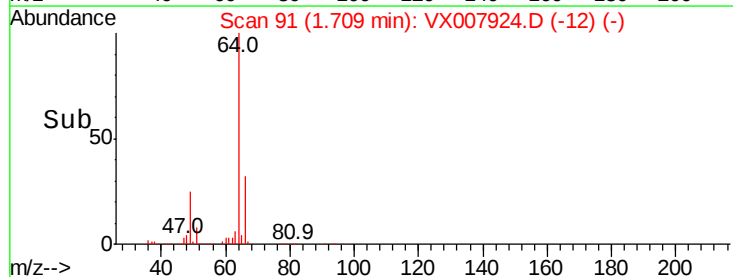
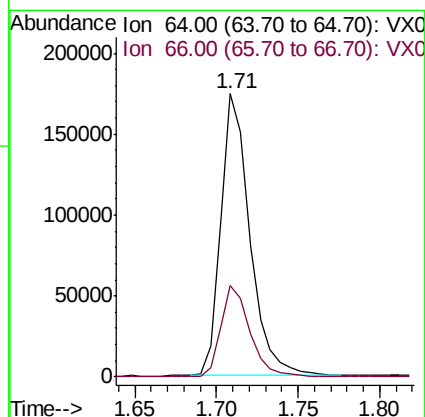
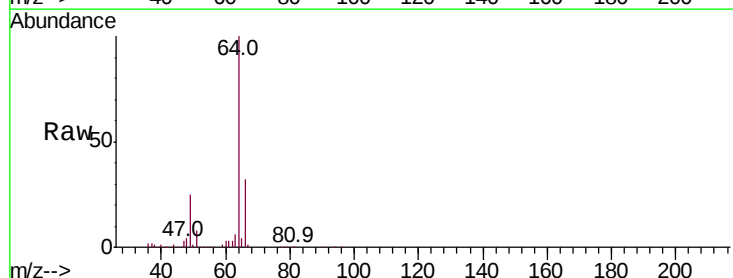
Manual Integrations
APPROVED

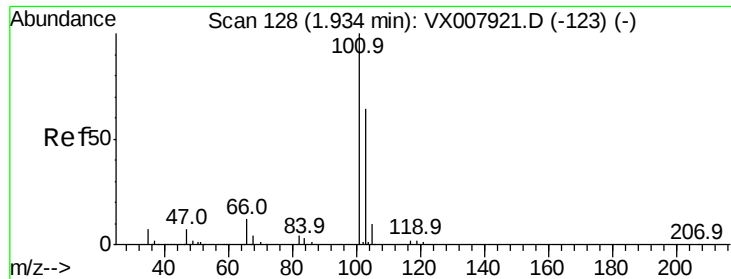
MMDadoda
3/11/2019 9:31:04 AM



#6
Chloroethane
Concen: 129.882 ug/l
RT: 1.71 min Scan# 91
Delta R.T. -0.02 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 64 Resp: 217203
Ion Ratio Lower Upper
64 100
66 32.1 23.9 35.9





#7

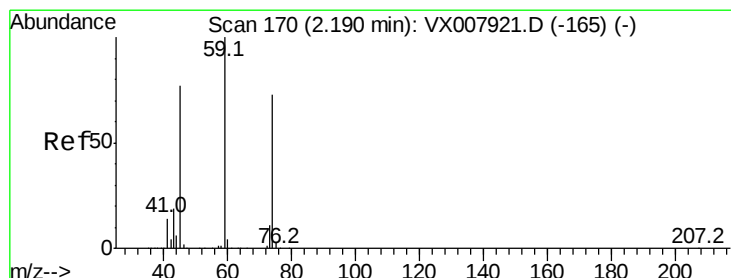
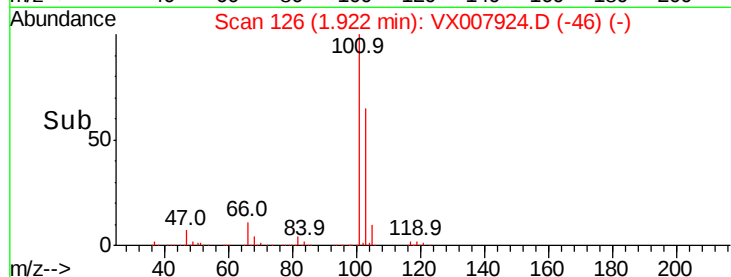
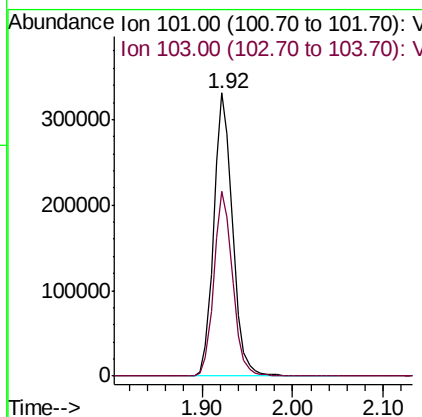
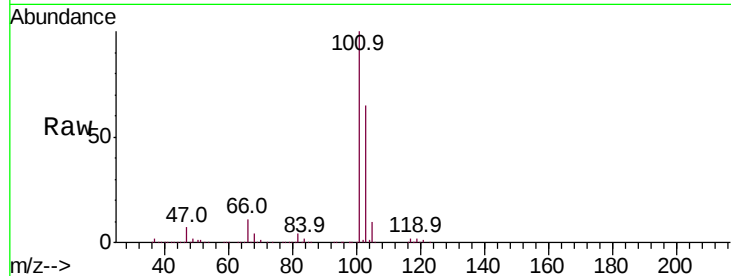
Trichlorofluoromethane
Concen: 136.940 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.4	75.6

Manual Integrations
APPROVED

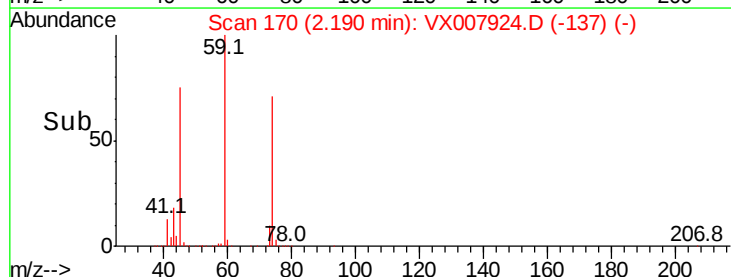
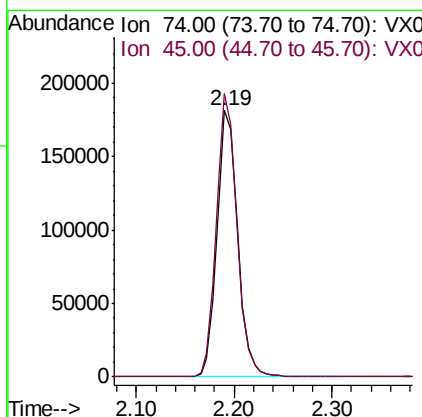
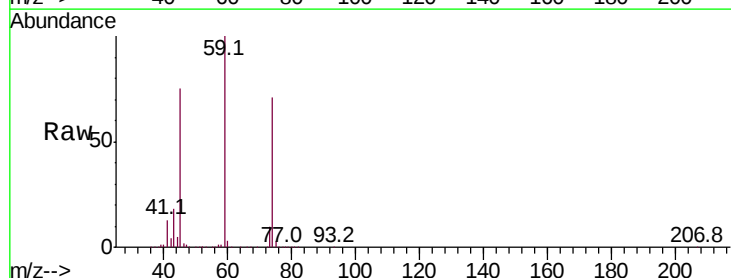
MMDadoda
3/11/2019 9:31:04 AM

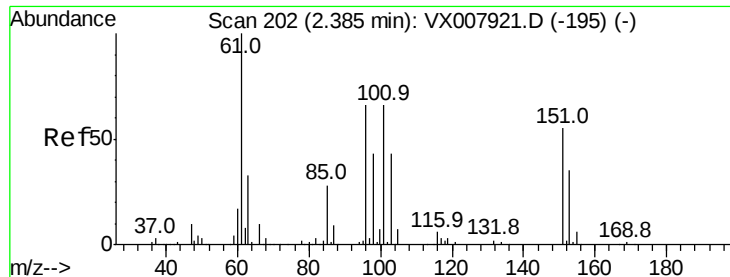


#8

Diethyl Ether
Concen: 149.540 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 145.319 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

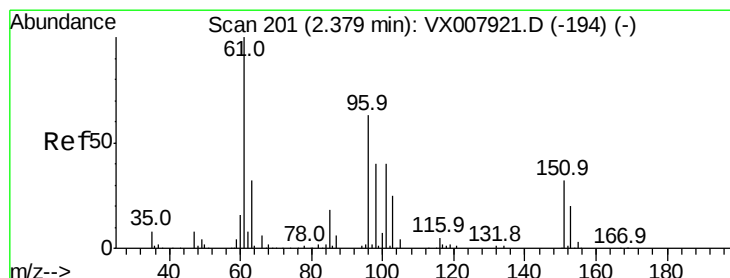
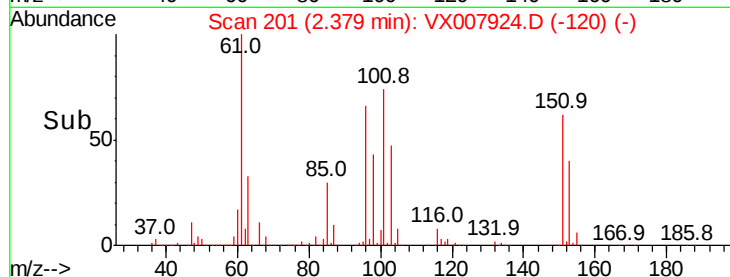
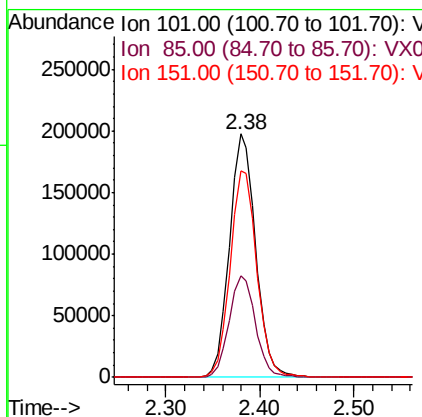
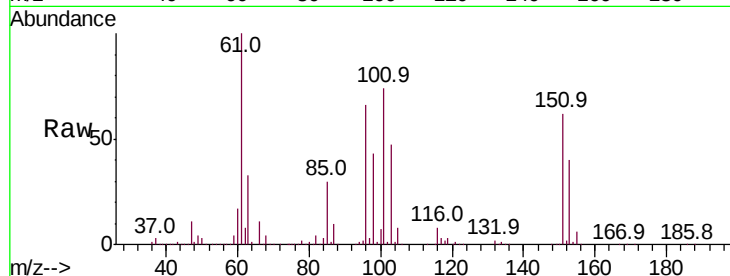
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	381503
Ion Ratio	Lower	Upper	
101	100		
85	42.0	0.0	86.8
151	86.4	0.0	169.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:31:04 AM



#10

1,1-Dichloroethene

Concen: 149.862 ug/l

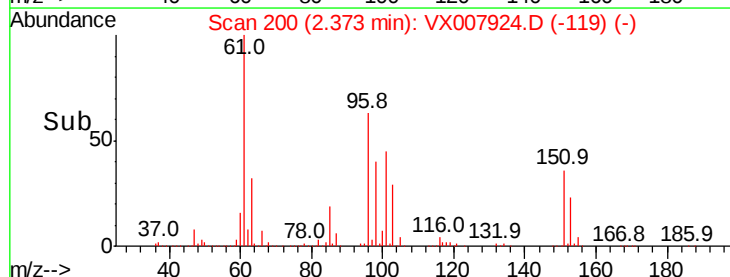
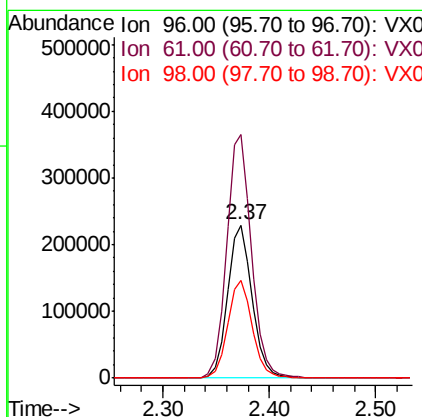
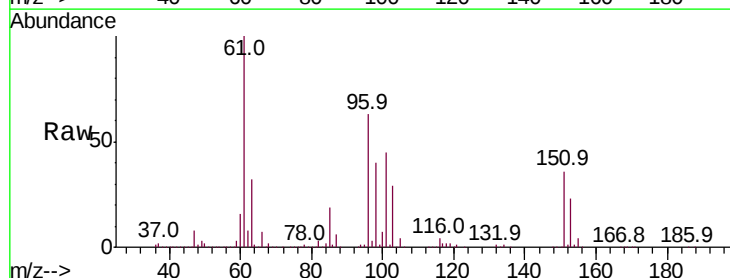
RT: 2.37 min Scan# 200

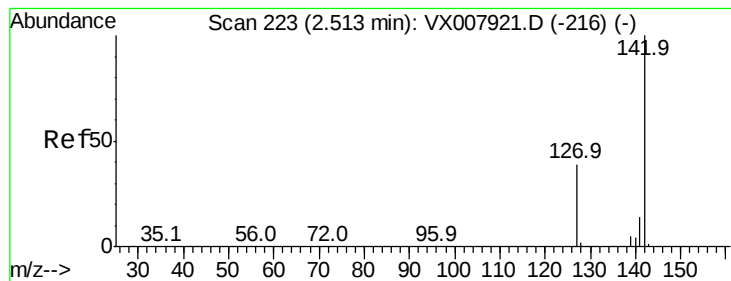
Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Tgt Ion:	96	Resp:	370648
Ion Ratio	Lower	Upper	
96	100		
61	158.8	120.2	180.2
98	64.1	49.0	73.4





#11

Methyl Iodide

Concen: 157.161 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 142 Resp: 602613

Ion Ratio Lower Upper

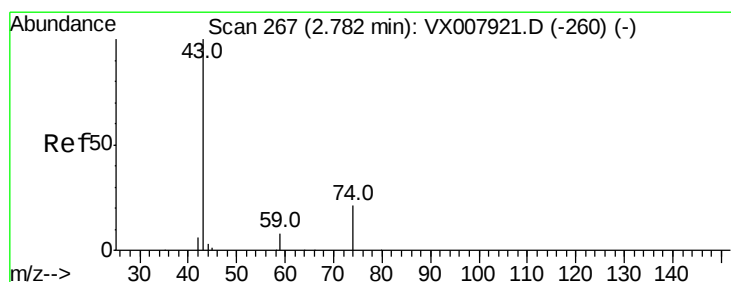
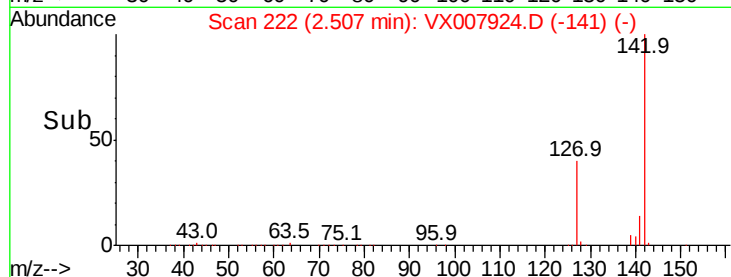
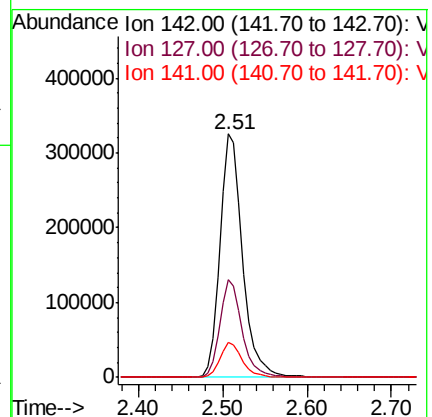
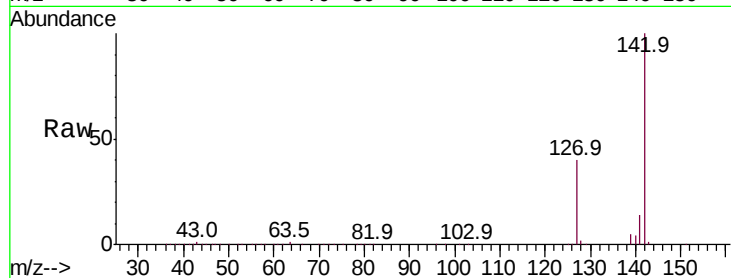
142 100

127 40.1 22.1 66.5

141 14.4 7.4 22.3

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:31:04 AM



#12

Methyl Acetate

Concen: 137.610 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007924.D

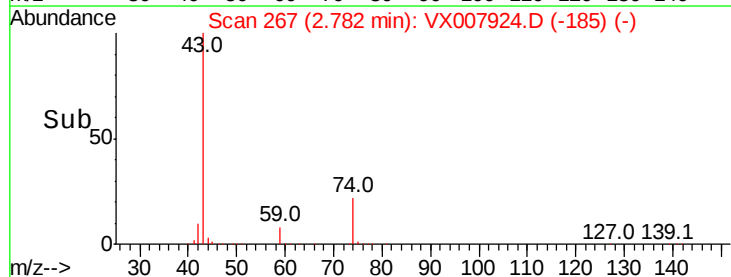
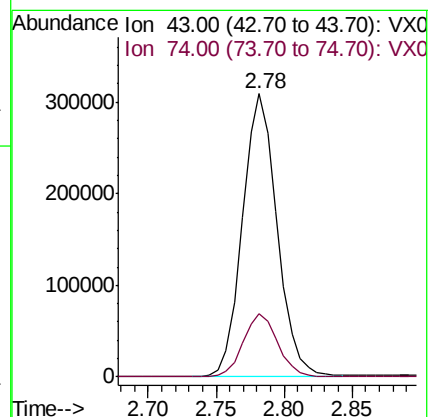
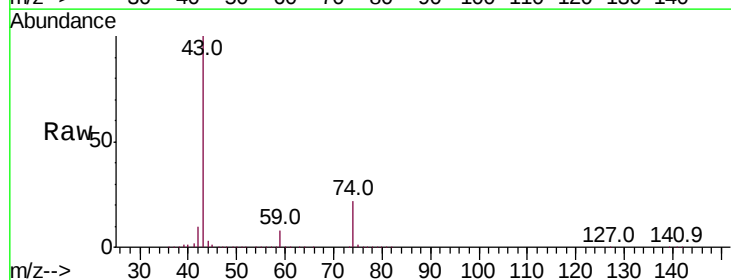
Acq: 08 Mar 2019 11:40

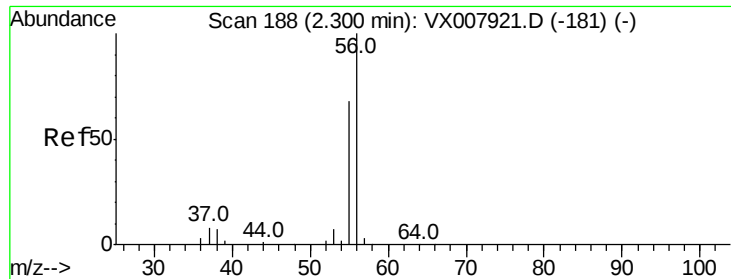
Tgt Ion: 43 Resp: 547214

Ion Ratio Lower Upper

43 100

74 22.0 19.4 29.0





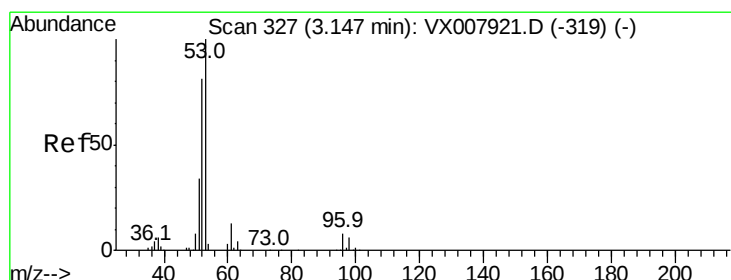
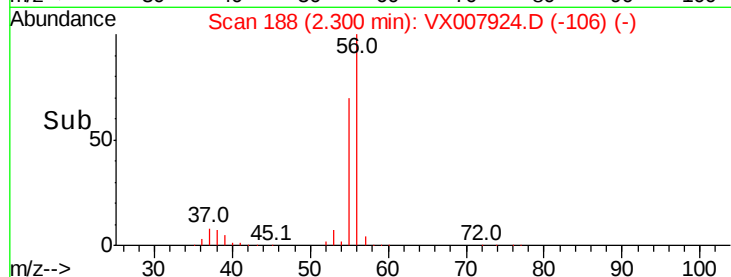
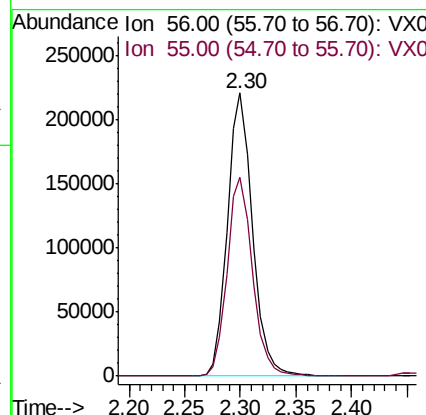
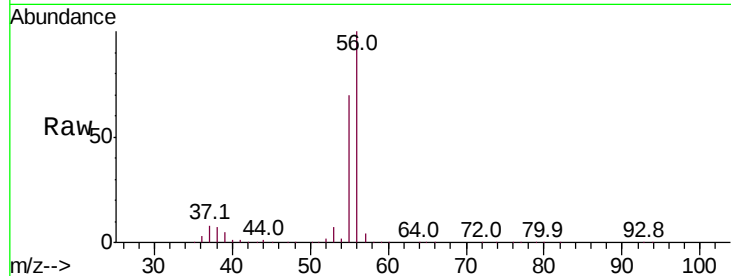
#13
Acrolein
Concen: 747.574 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	56	55	Ratio	100	71.1	Resp	343222	Lower	58.6	Upper	87.8
Ion											

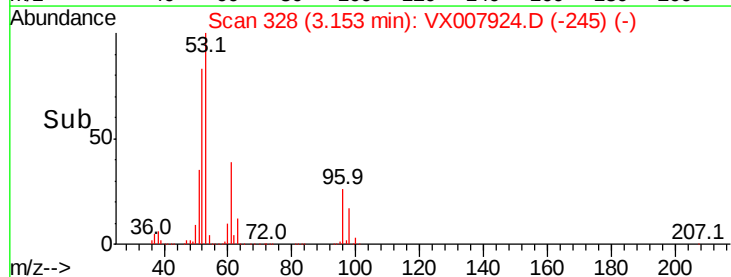
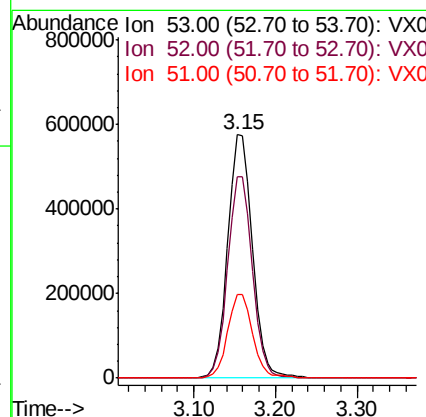
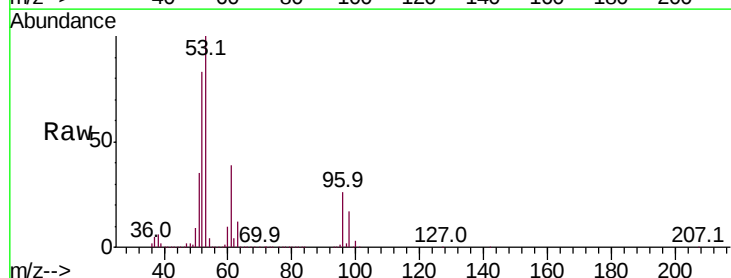
Manual Integrations
APPROVED

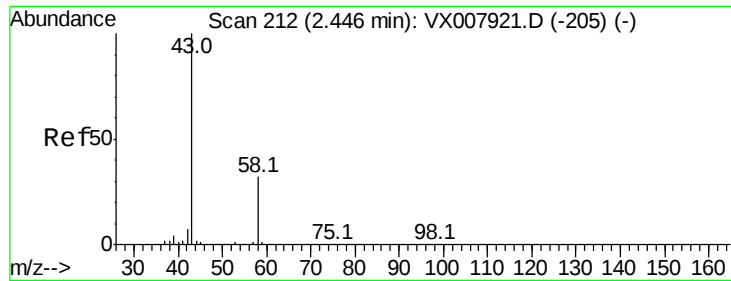
MMDadoda
3/11/2019 9:31:04 AM



#14
Acrylonitrile
Concen: 720.646 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion	53	52	51	Ratio	100	82.3	35.1	Resp	1205820	Lower	41.3	17.5	Upper	124.1	52.6
Ion															





#15

Acetone

Concen: 605.738 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 377592

Ion Ratio Lower Upper

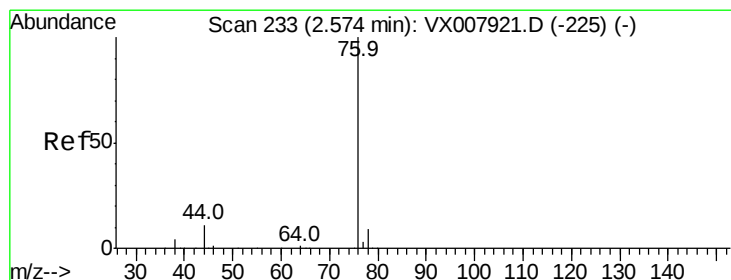
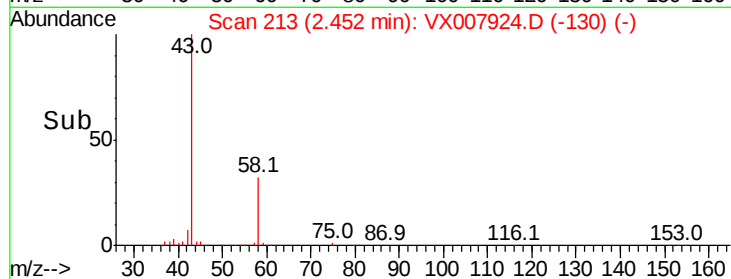
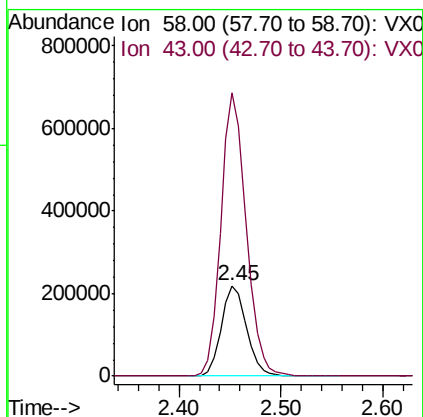
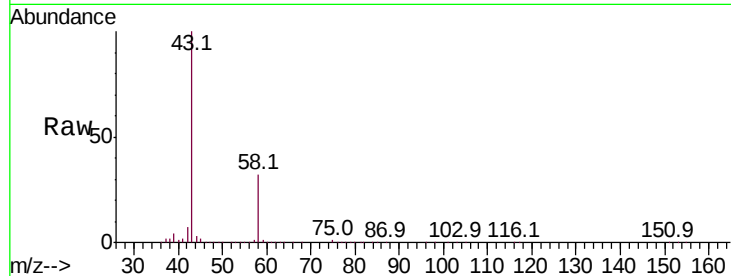
58 100

43 312.2 249.8 374.6

Manual Integrations
APPROVED

MMDadoda

3/11/2019 9:31:04 AM



#16

Carbon Disulfide

Concen: 151.126 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007924.D

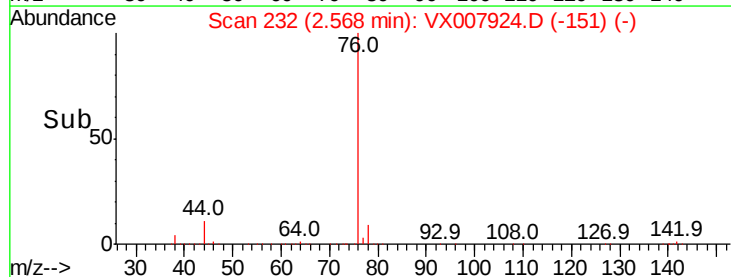
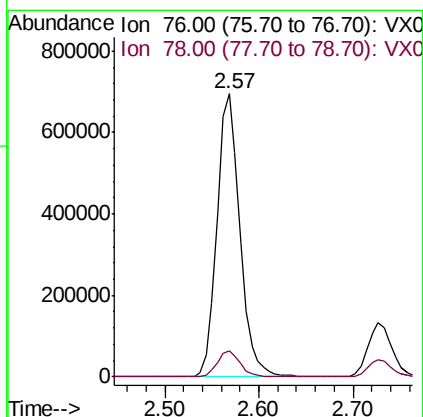
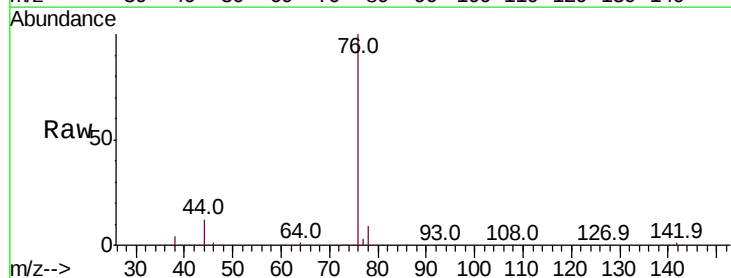
Acq: 08 Mar 2019 11:40

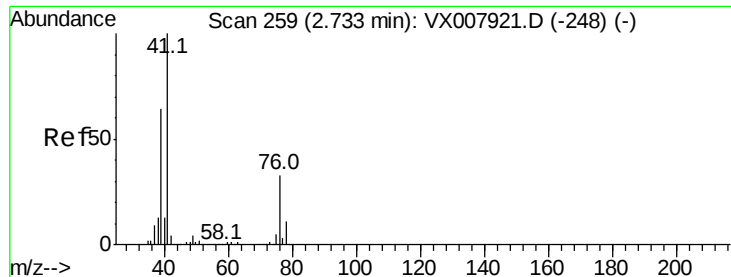
Tgt Ion: 76 Resp: 1170722

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





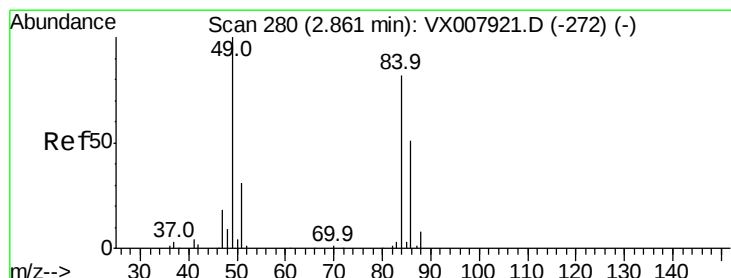
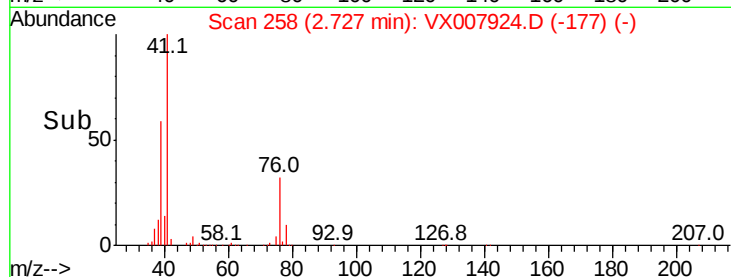
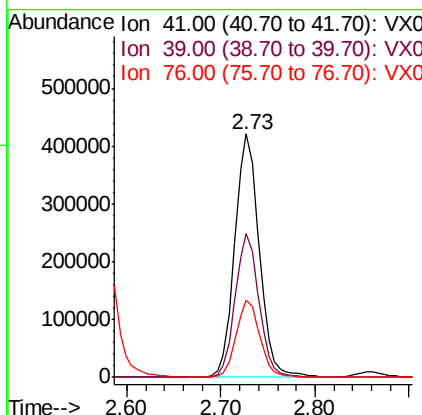
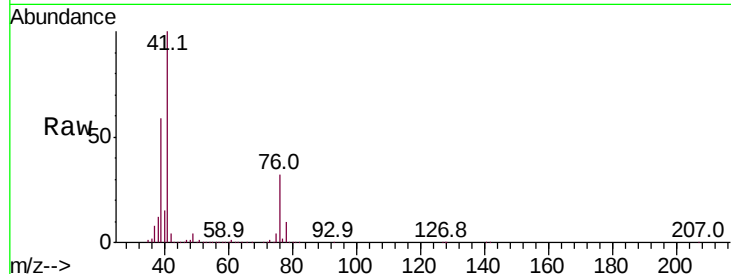
#17
Allvl chloride
Concen: 150.381 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.0	35.8	107.4
76	31.7	18.3	54.9

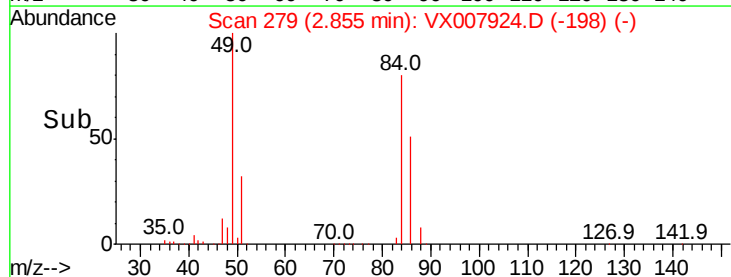
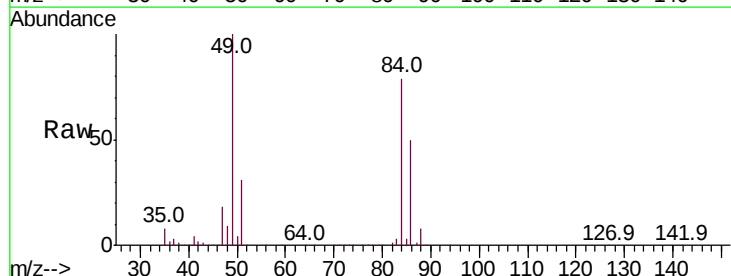
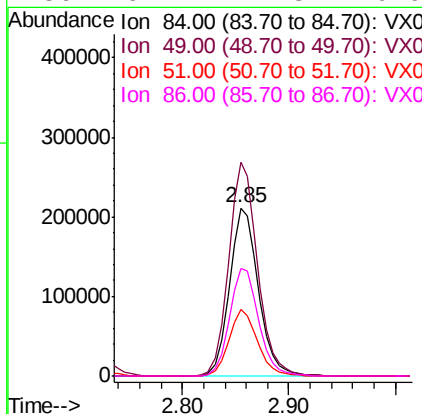
Manual Integrations
APPROVED

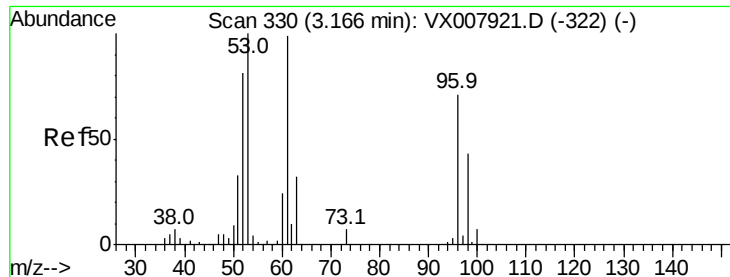
MMDadoda
3/11/2019 9:31:04 AM



#18
Methylene Chloride
Concen: 140.582 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.9	96.1	144.1
51	39.3	29.1	43.7
86	64.1	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 148.214 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 388714

Ion Ratio Lower Upper

96 100

61 143.4 109.9 164.9

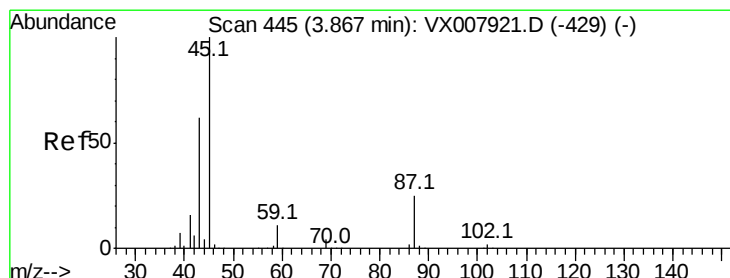
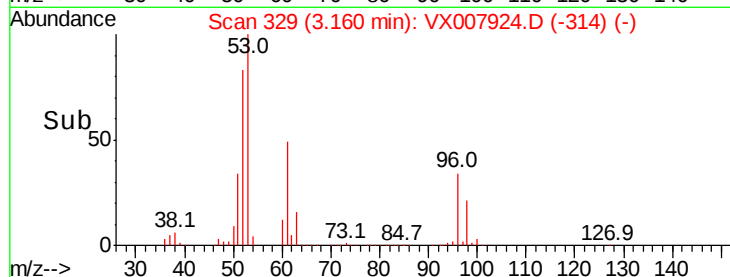
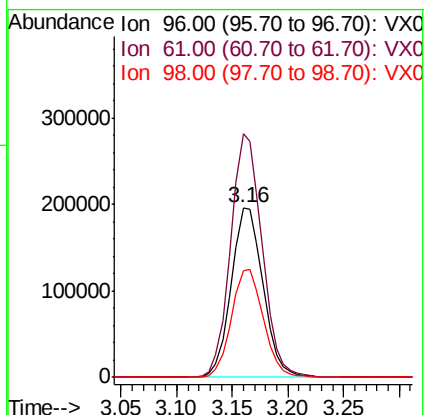
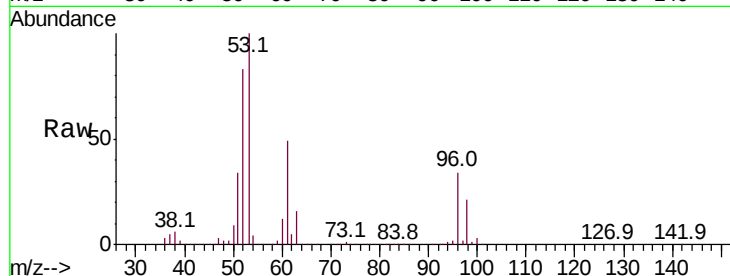
98 62.7 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:31:04 AM



#20

Diisopropyl ether

Concen: 146.524 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Tgt Ion: 45 Resp: 1365283

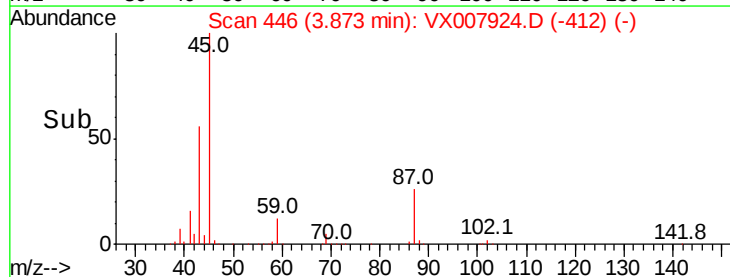
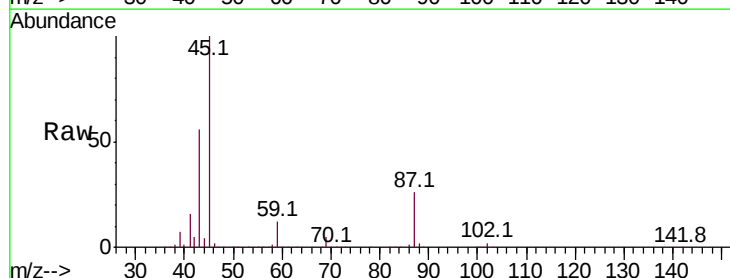
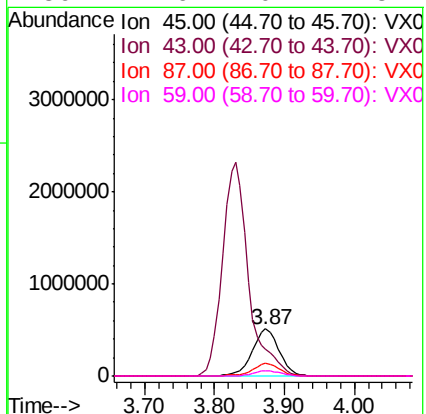
Ion Ratio Lower Upper

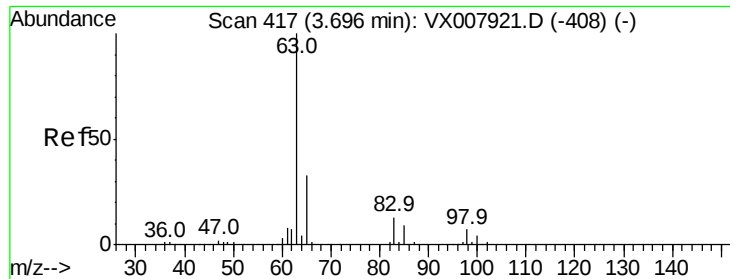
45 100

43 56.4 50.6 76.0

87 26.4 24.5 36.7

59 11.6 10.2 15.2





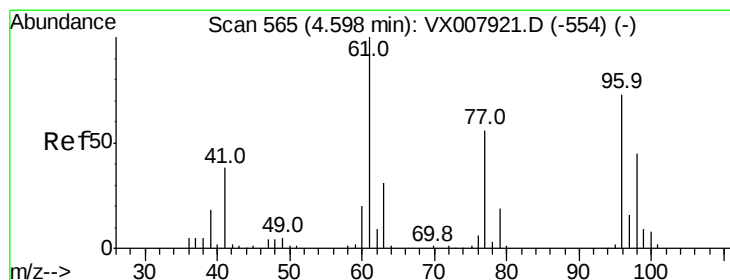
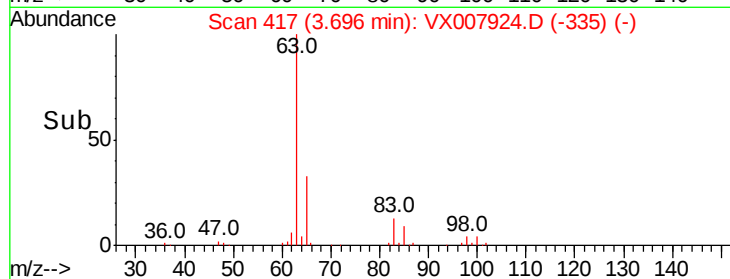
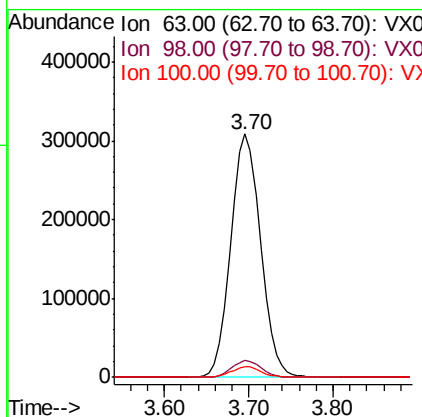
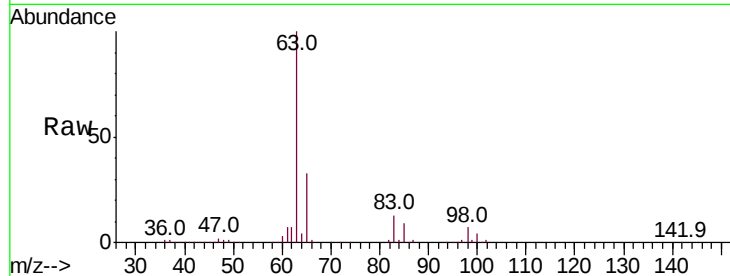
#21
 1,1-Dichloroethane
 Concen: 146.133 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.9	3.8	11.4	
100	4.2	2.4	7.1	

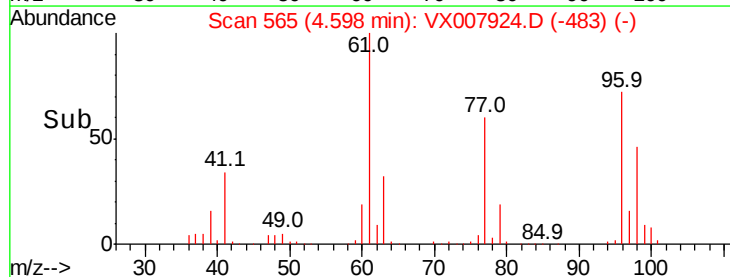
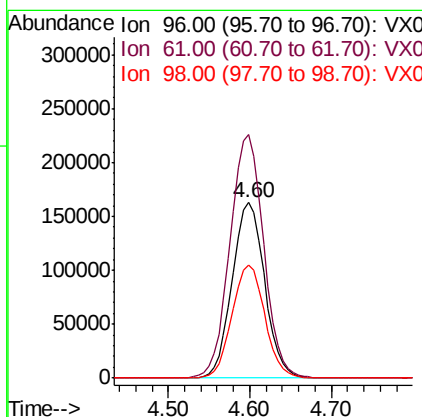
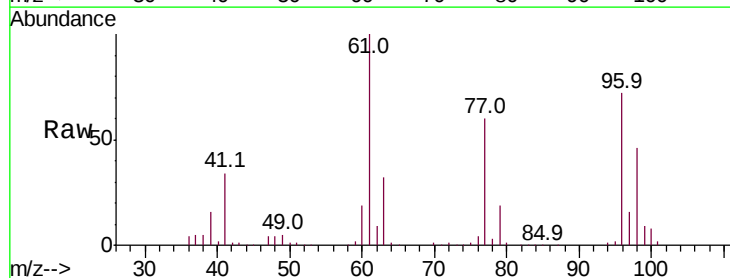
Manual Integrations
 APPROVED

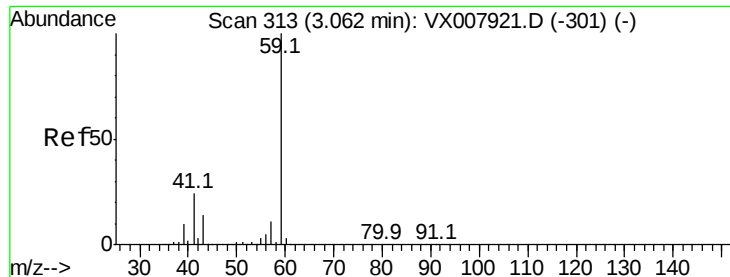
MMDadoda
 3/11/2019 9:31:04 AM



#22
 cis-1,2-Dichloroethene
 Concen: 149.051 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.6	103.5	155.3	
98	64.8	52.1	78.1	





#23

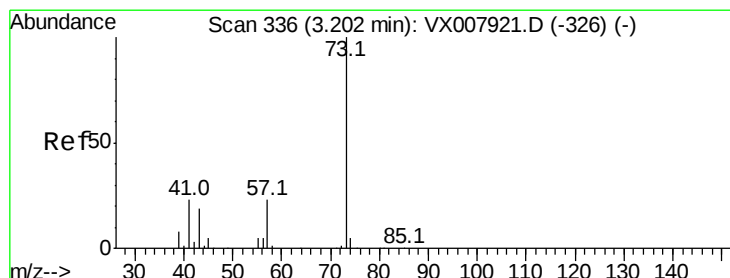
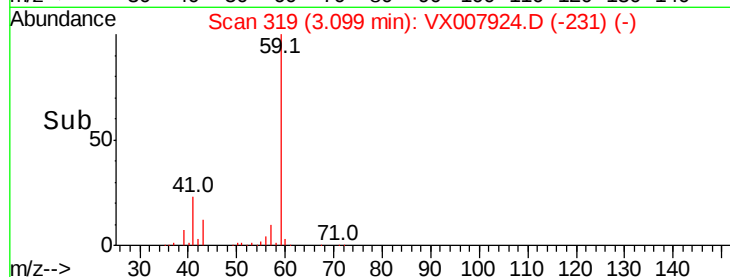
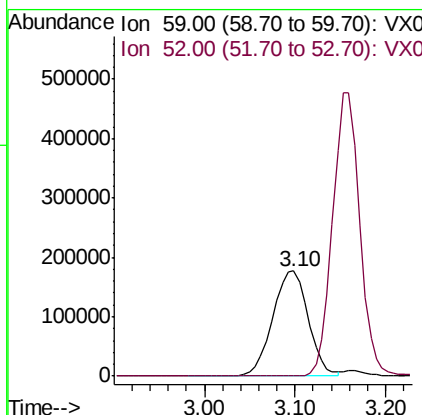
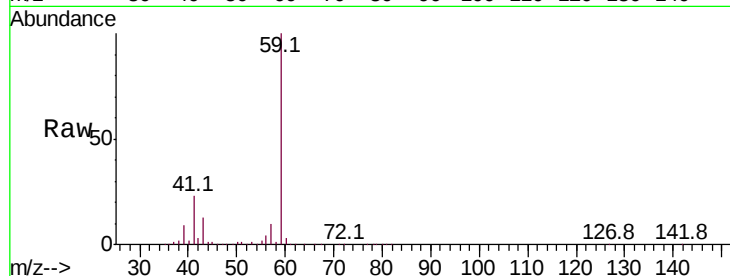
tert-Butyl Alcohol
Concen: 712.550 ug/l
RT: 3.10 min Scan# 319
Delta R.T. 0.04 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 482048
Ion Ratio Lower Upper
59 100
52 0.1 0.2 0.2#

Manual Integrations
APPROVED

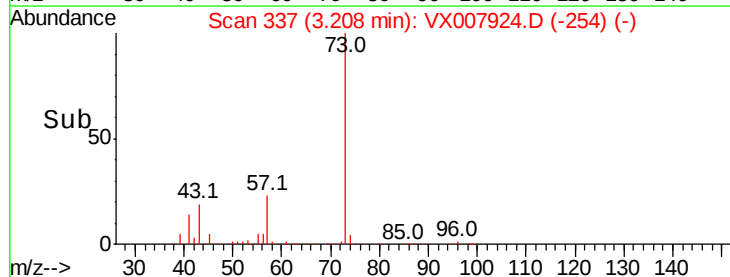
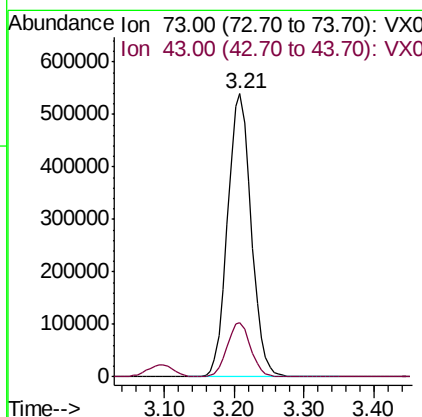
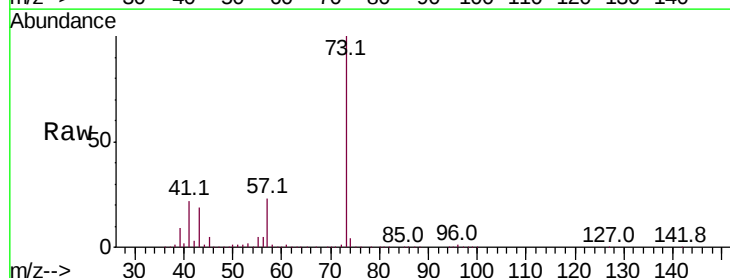
MMDadoda
3/11/2019 9:31:04 AM

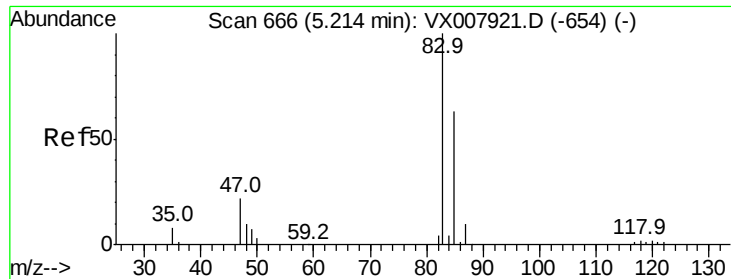


#24

Methyl tert-Butyl Ether
Concen: 148.351 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 73 Resp: 1264064
Ion Ratio Lower Upper
73 100
43 19.0 17.1 25.7





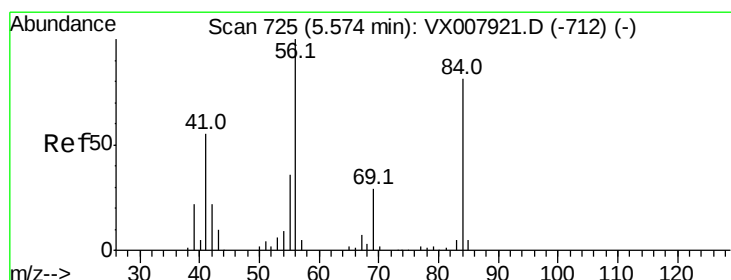
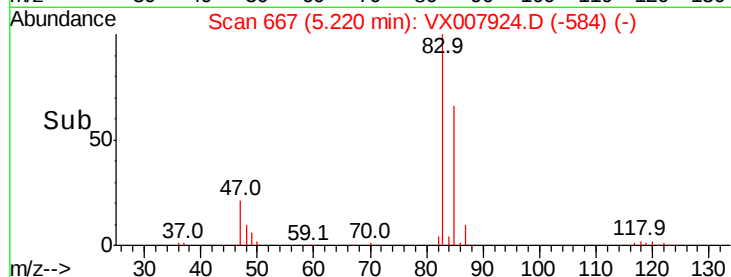
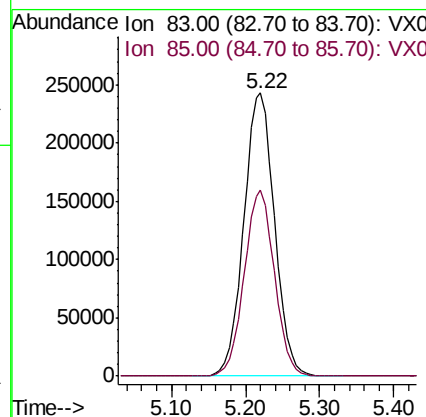
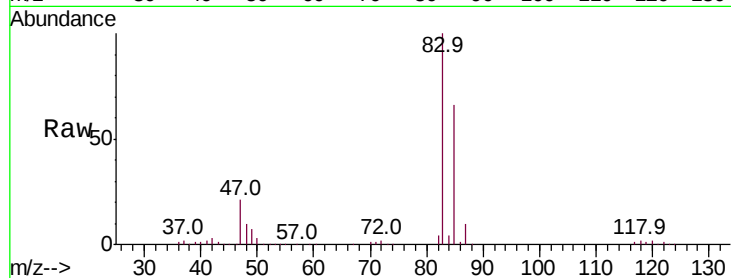
#25
Chloroform
Concen: 146.574 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 701049
Ion Ratio Lower Upper
83 100
85 65.7 53.8 80.6

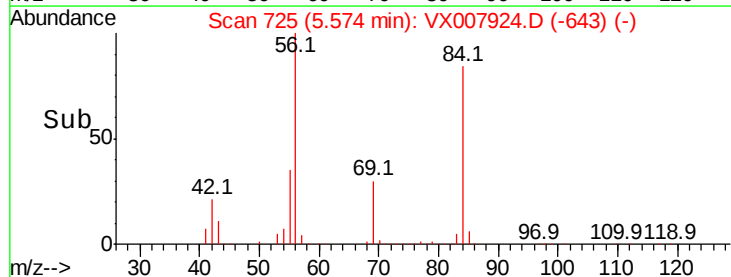
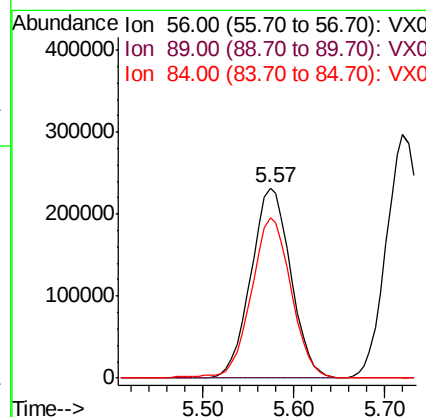
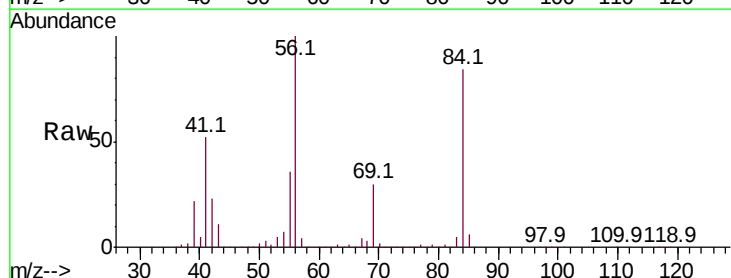
Manual Integrations
APPROVED

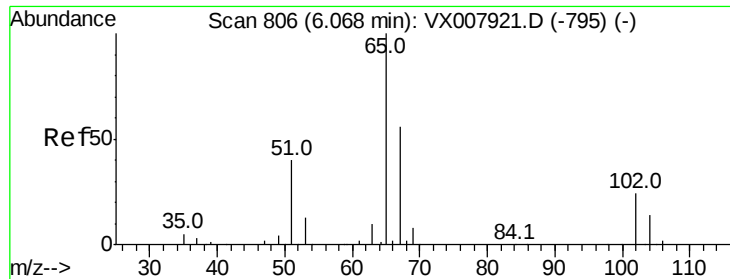
MMDadoda
3/11/2019 9:31:04 AM



#26
Cyclohexane
Concen: 151.470 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 56 Resp: 704632
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.9 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 30.420 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 84970

Ion Ratio Lower Upper

65 100

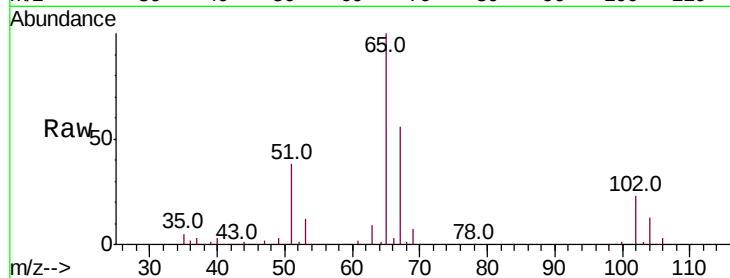
67 55.4 42.9 64.3

Manual Integrations

APPROVED

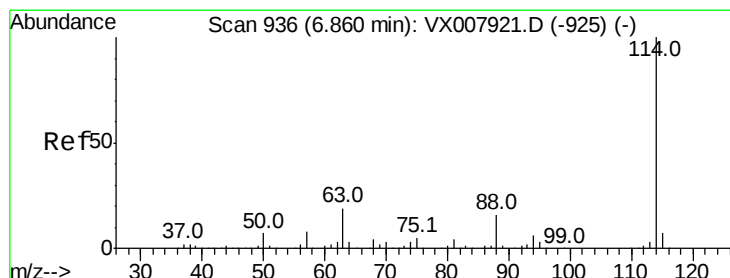
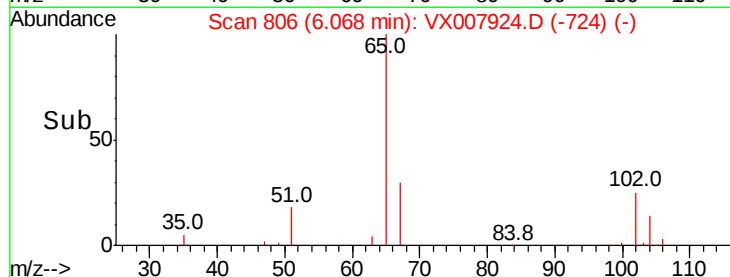
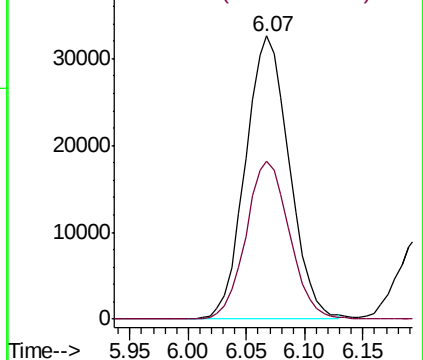
MMDadoda

3/11/2019 9:31:04 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

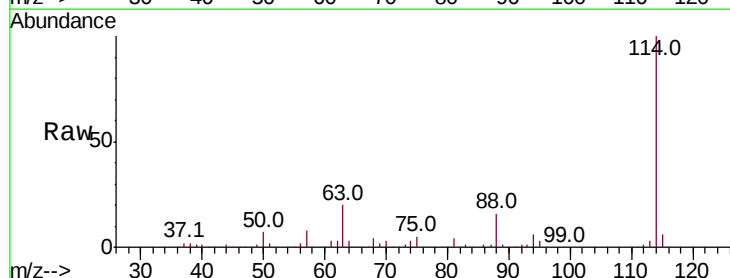
Tgt Ion:114 Resp: 240341

Ion Ratio Lower Upper

114 100

63 19.8 14.2 21.4

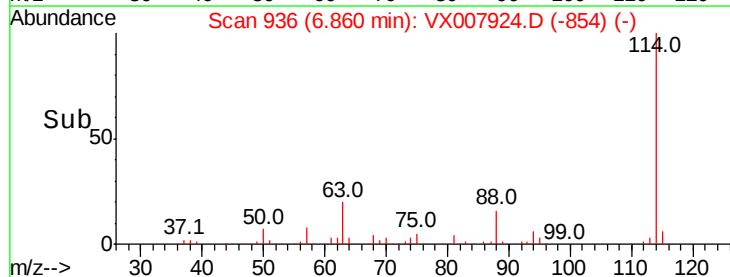
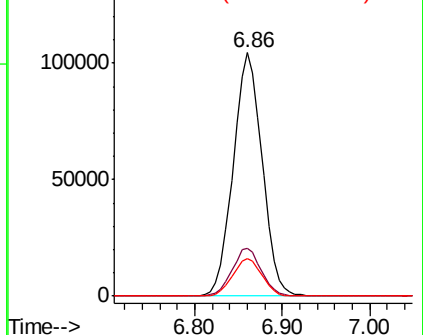
88 15.5 11.9 17.9

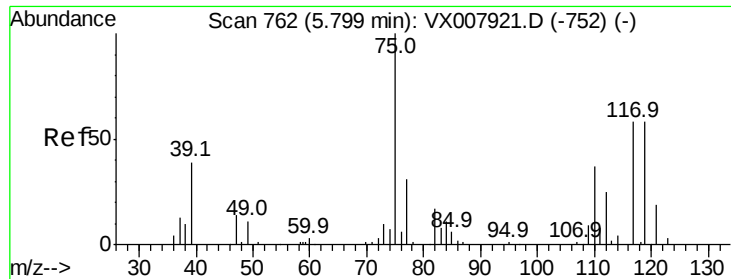


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 145.474 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

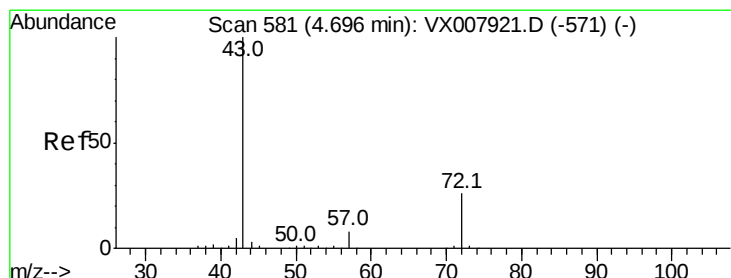
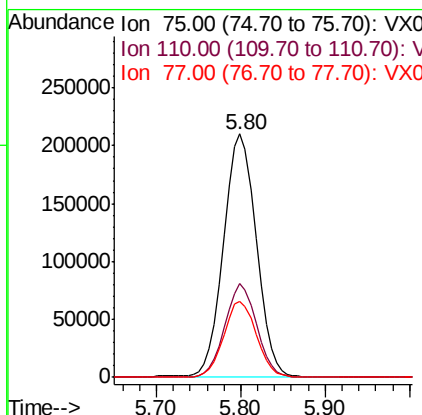
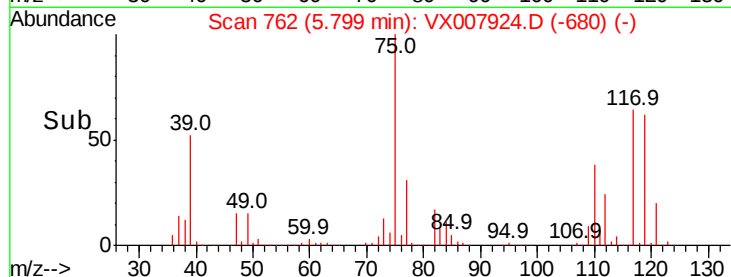
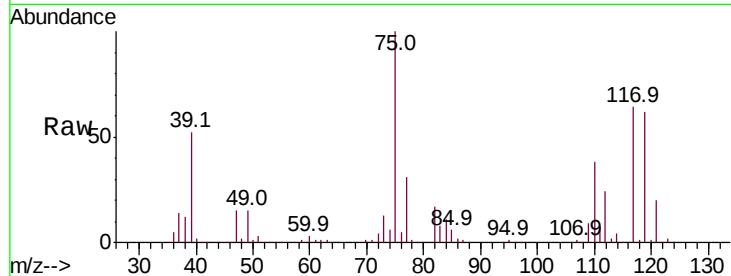
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	557736
Ion Ratio	Lower	Upper	
75	100		
110	37.0	0.0	80.8
77	31.1	0.0	62.4

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:31:04 AM



#30

2-Butanone

Concen: 656.414 ug/l

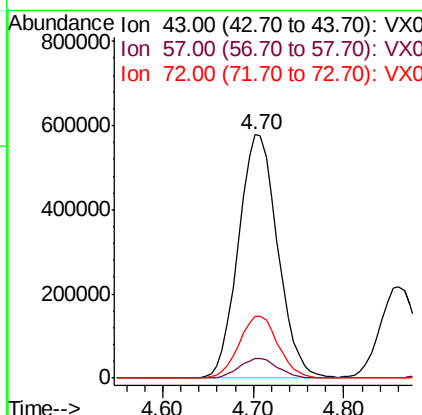
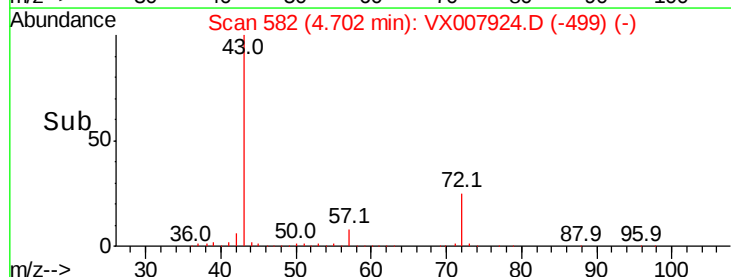
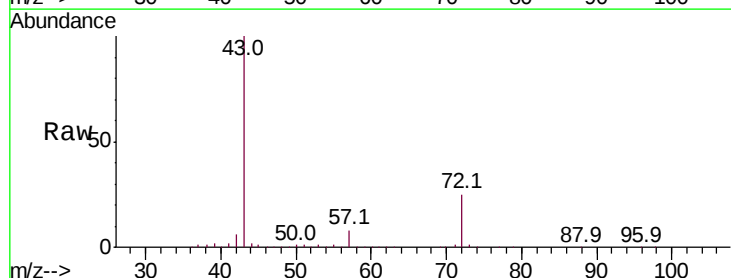
RT: 4.70 min Scan# 582

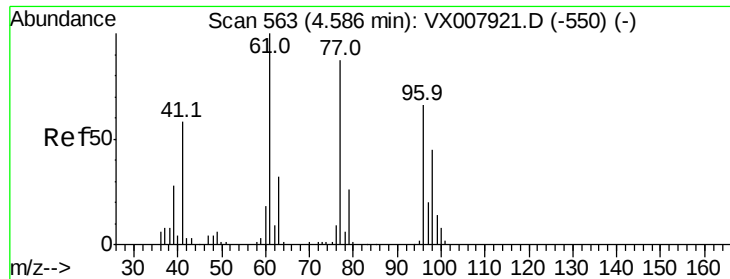
Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Tgt Ion:	43	Resp:	1730327
Ion Ratio	Lower	Upper	
43	100		
57	8.0	7.0	10.6
72	25.4	21.5	32.3





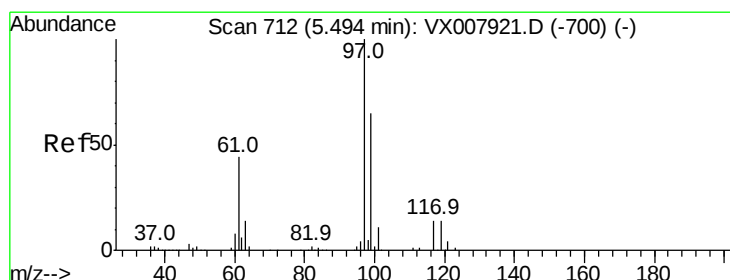
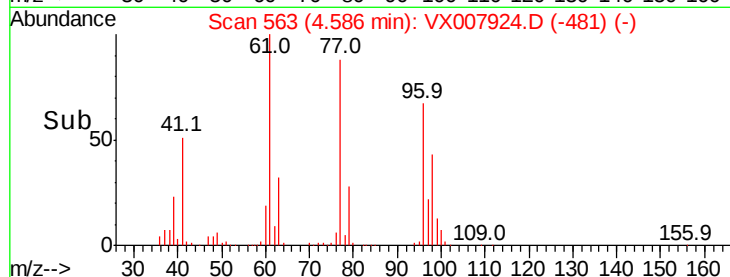
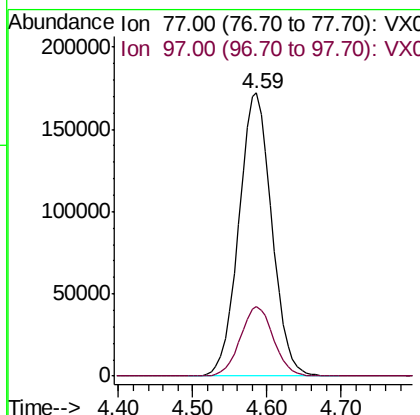
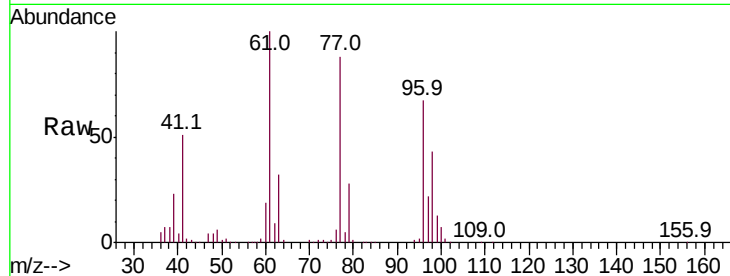
#31
 2,2-Dichloropropane
 Concen: 151.890 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 77 Resp: 533282
 Ion Ratio Lower Upper
 77 100
 97 24.7 20.6 31.0

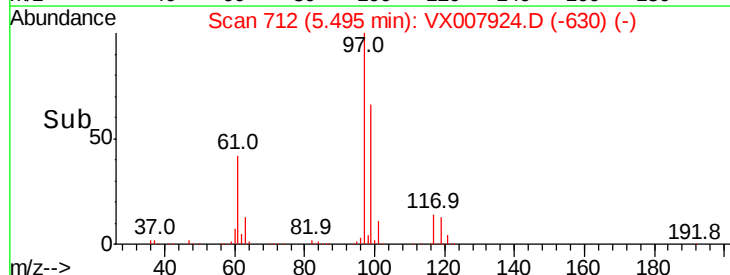
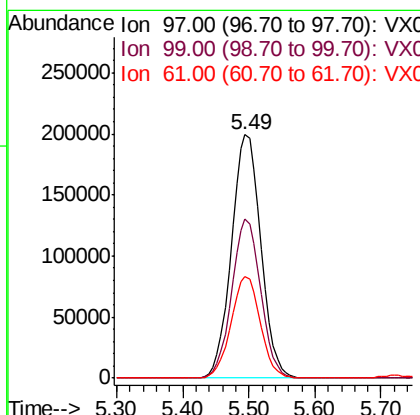
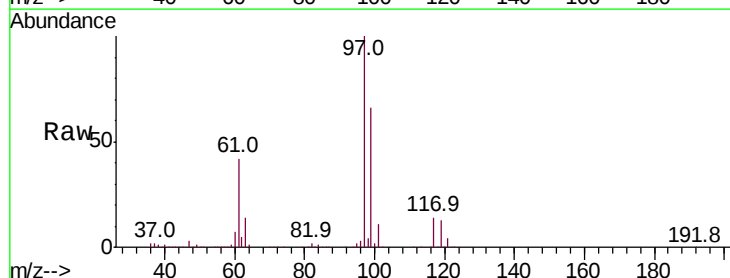
Manual Integrations
 APPROVED

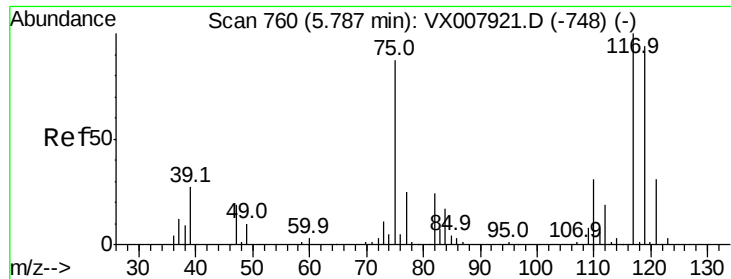
MMDadoda
 3/11/2019 9:31:04 AM



#32
 1,1,1-Trichloroethane
 Concen: 148.430 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion: 97 Resp: 612931
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.7 77.5
 61 41.6 32.8 49.2





#33

Carbon Tetrachloride

Concen: 150.585 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

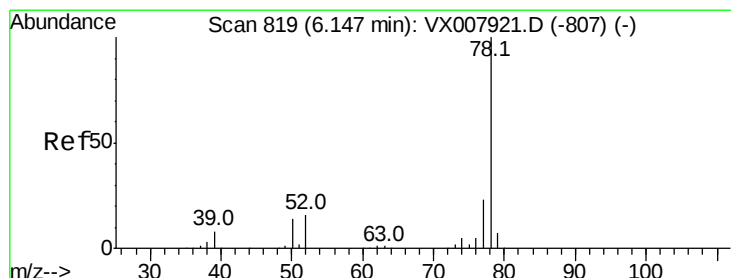
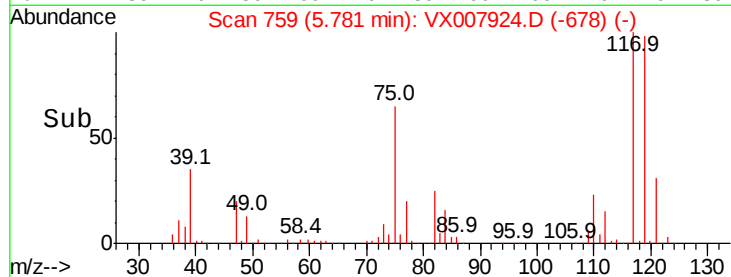
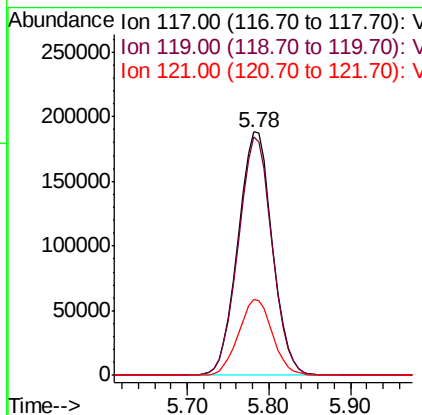
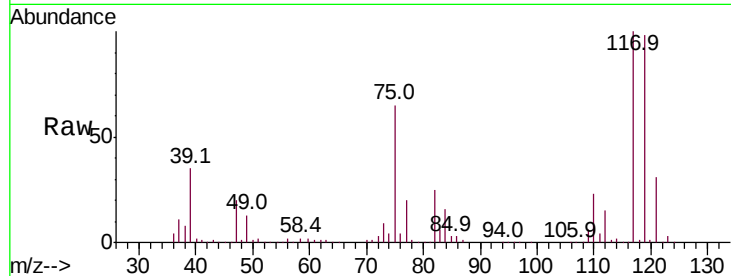
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	549969
Ion	Ratio	Lower	Upper
117	100		
119	98.1	78.1	117.1
121	31.2	27.0	40.6

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:31:04 AM



#34

Benzene

Concen: 142.006 ug/l

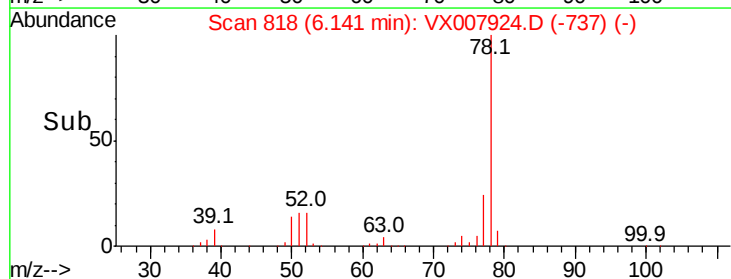
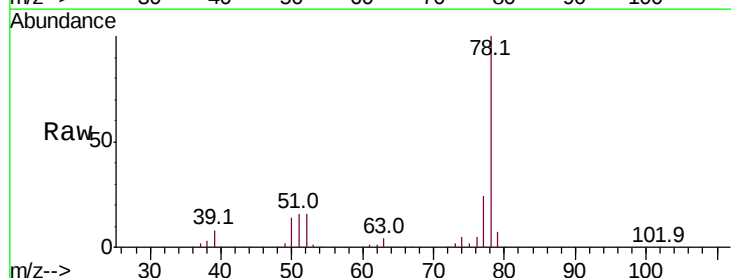
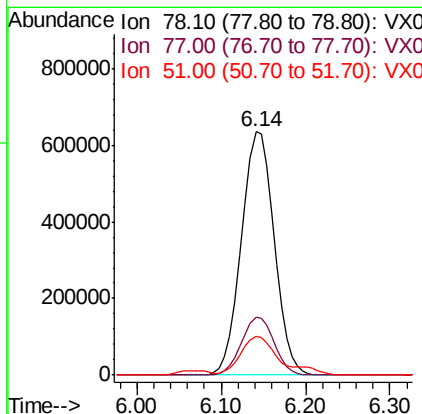
RT: 6.14 min Scan# 818

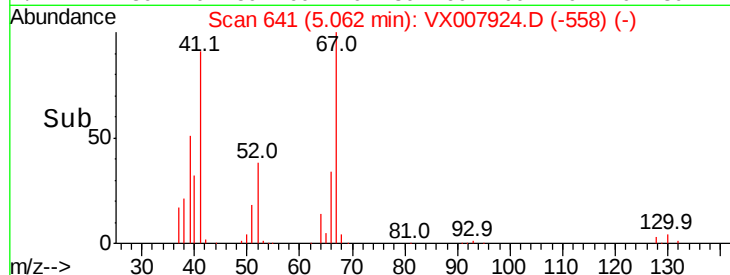
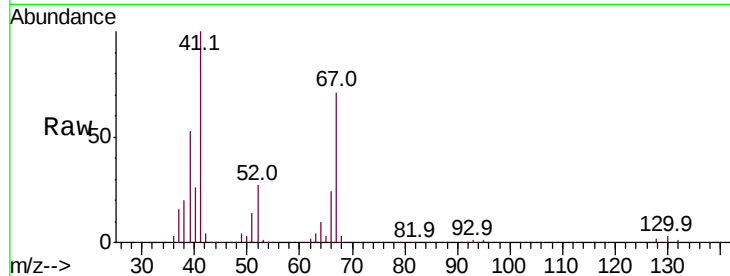
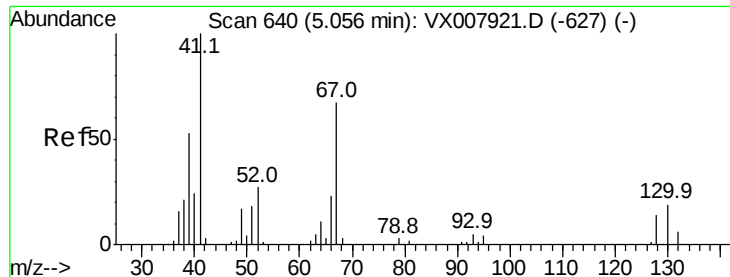
Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Tgt Ion:	78	Resp:	1676279
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7
51	15.8	10.8	16.2





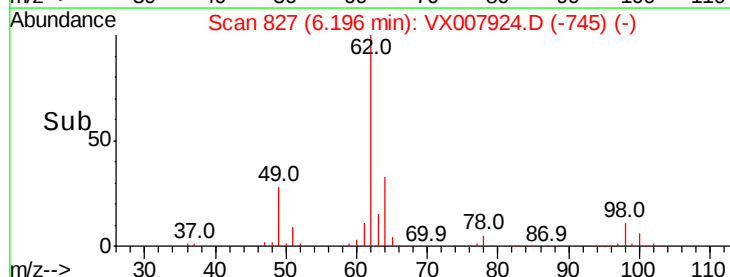
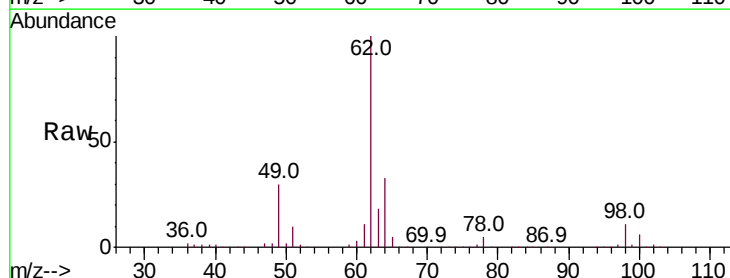
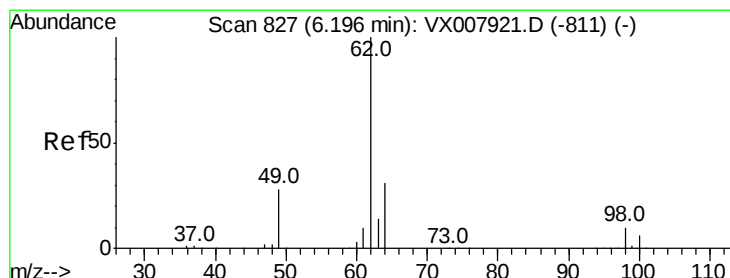
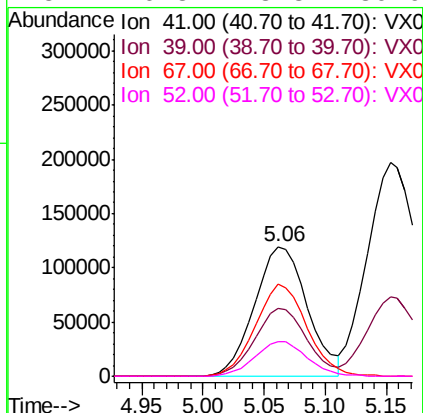
#35
Methacrylonitrile
Concen: 141.888 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	27.4	82.0	
67	70.9	37.9	113.6	
52	26.8	13.3	39.9	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

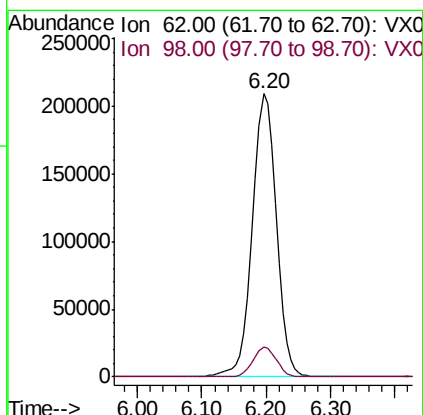
Manual Integrations
APPROVED

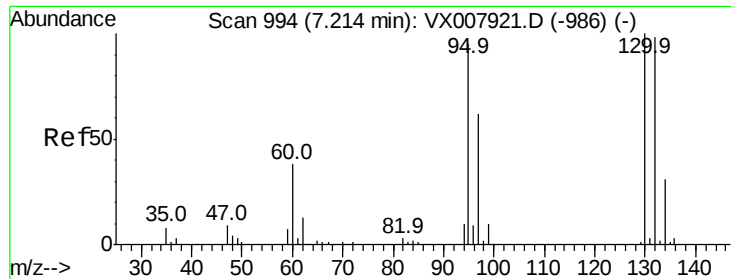
MMDadoda
3/11/2019 9:31:04 AM



#36
1,2-Dichloroethane
Concen: 138.705 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	7.8	11.8	





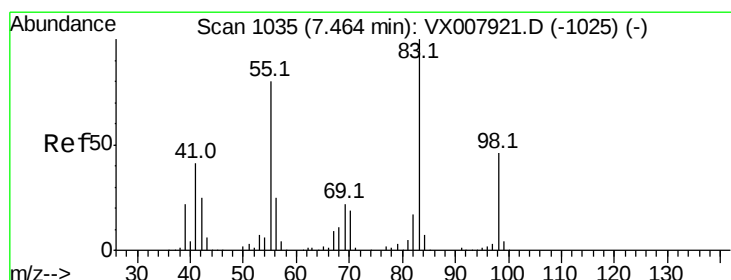
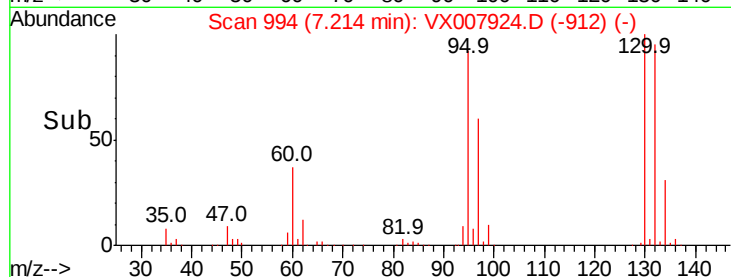
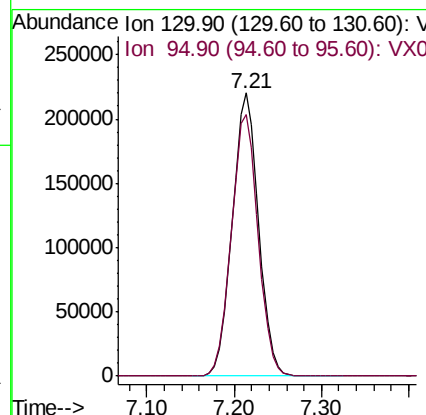
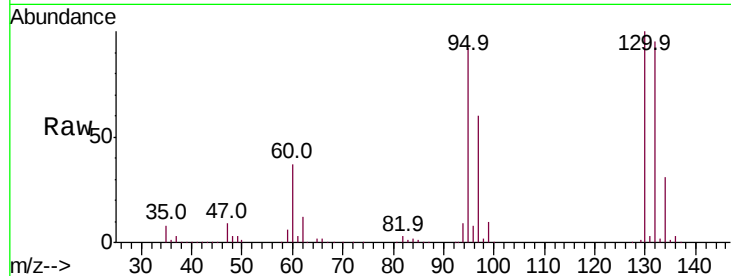
#37
 Trichloroethene
 Concen: 143.881 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 459000
 Ion Ratio Lower Upper
 130 100
 95 92.2 71.3 106.9

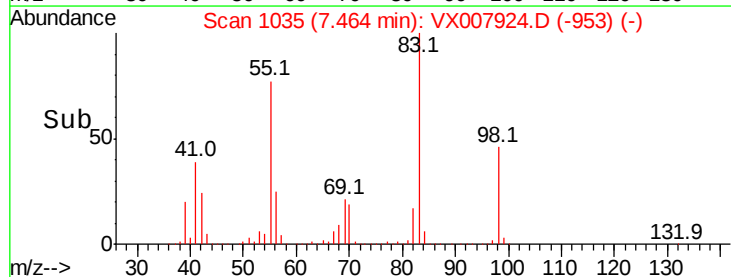
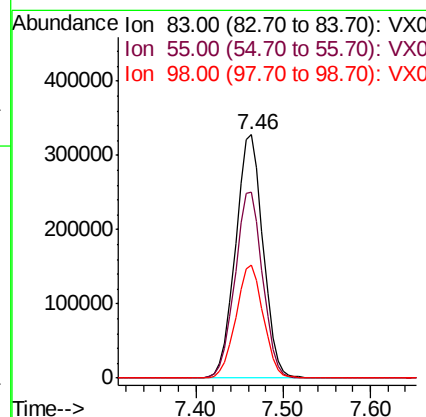
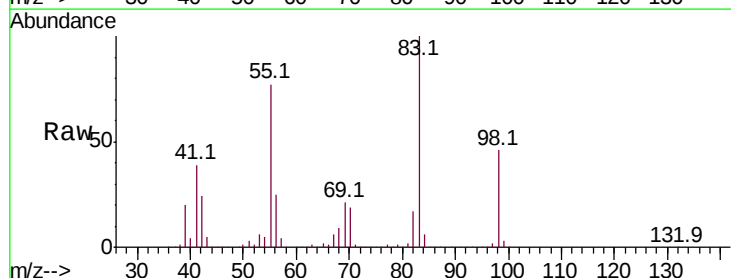
Manual Integrations
 APPROVED

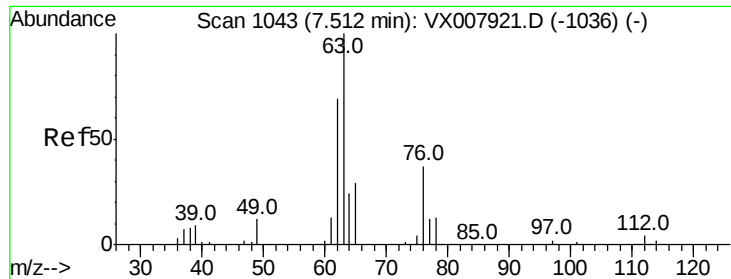
MMDadoda
 3/11/2019 9:31:04 AM



#38
 Methylcyclohexane
 Concen: 147.923 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion: 83 Resp: 718680
 Ion Ratio Lower Upper
 83 100
 55 76.5 36.0 108.0
 98 46.2 23.8 71.4





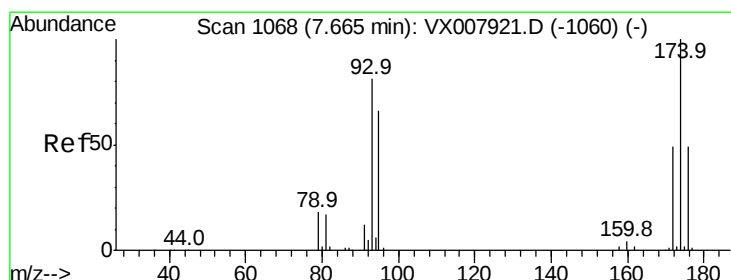
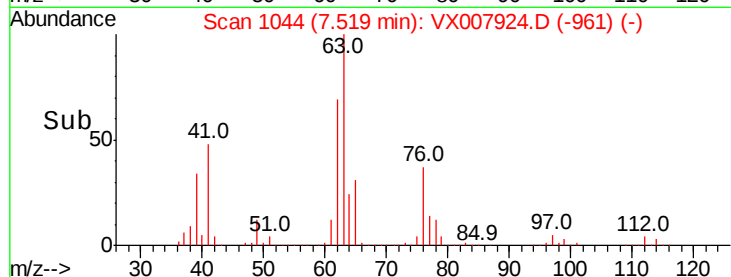
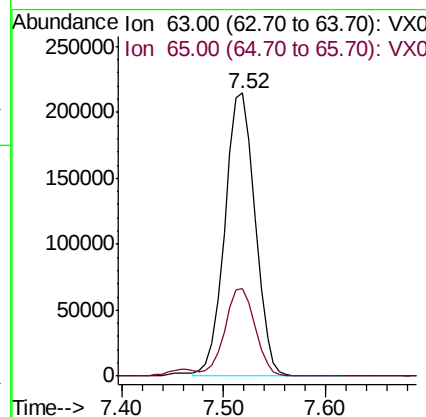
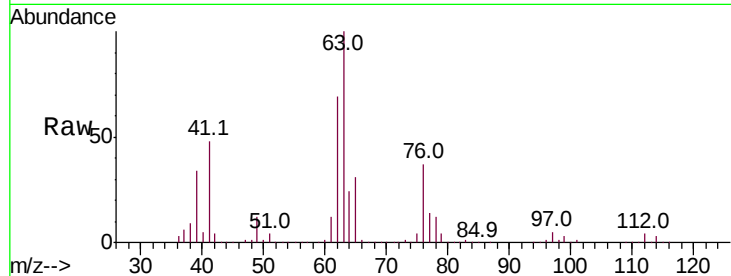
#39
1,2-Dichloropropane
Concen: 143.843 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	37.0

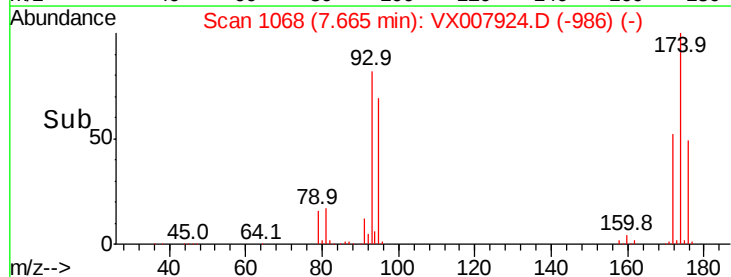
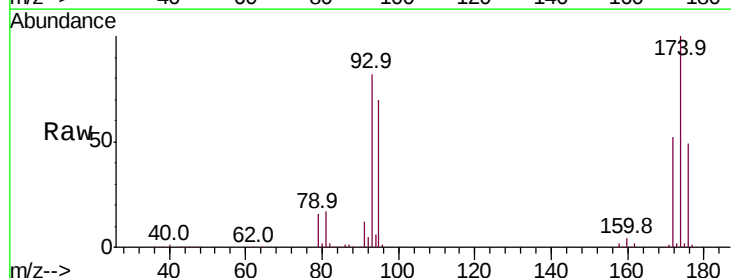
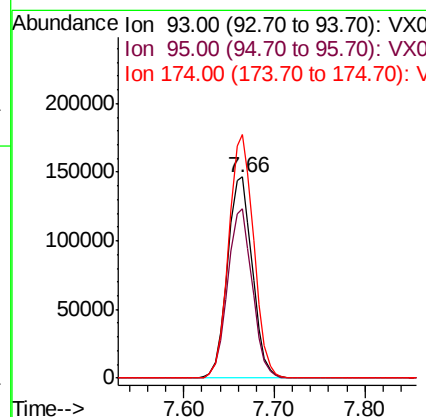
Manual Integrations
APPROVED

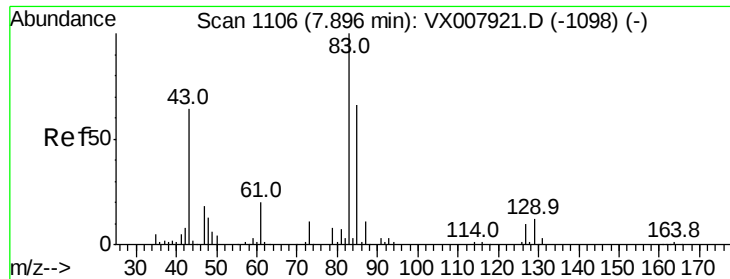
MMDadoda
3/11/2019 9:31:04 AM



#40
Dibromomethane
Concen: 143.547 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	0.0	158.8
174	121.3	0.0	224.2





#41

Bromodichloromethane

Concen: 149.138 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 545226

Ion Ratio Lower Upper

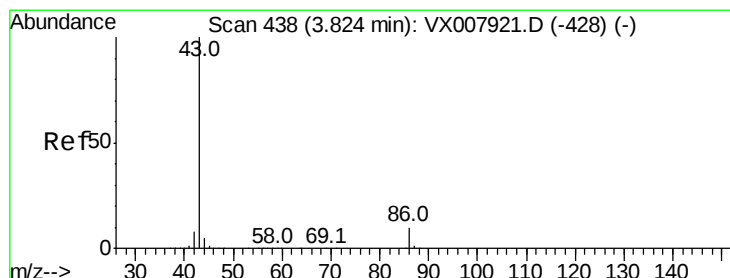
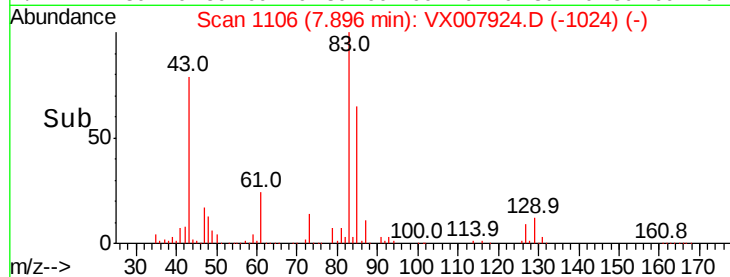
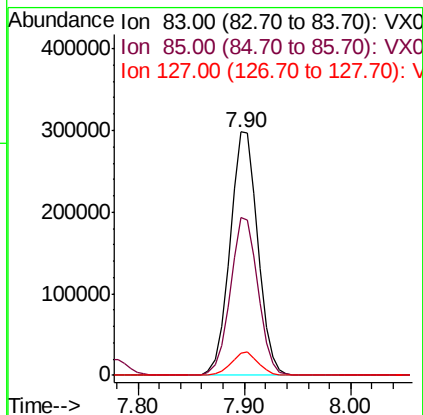
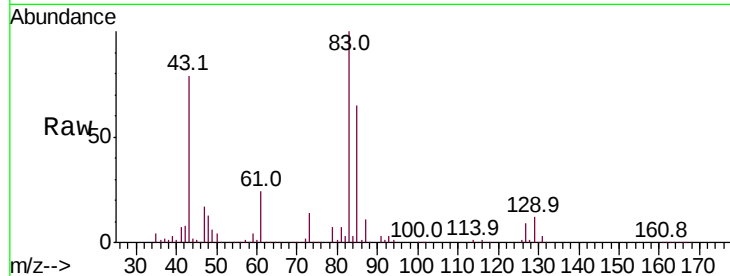
83 100

85 65.0 51.1 76.7

127 8.9 7.2 10.8

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:31:04 AM



#42

Vinyl Acetate

Concen: 717.259 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX007924.D

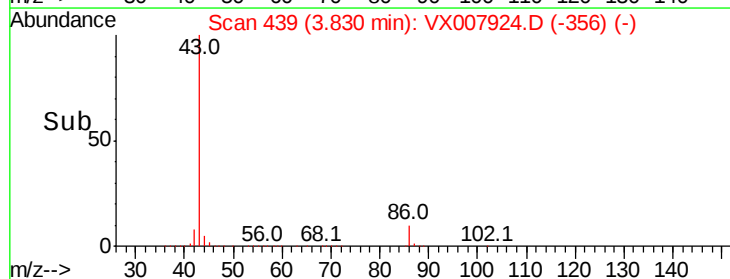
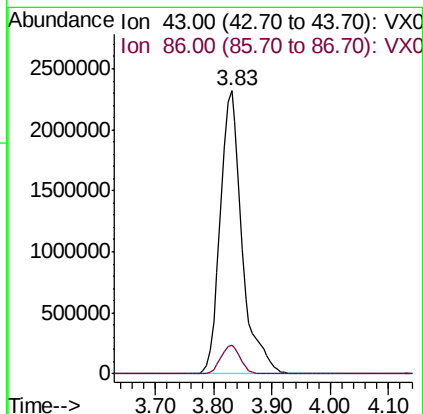
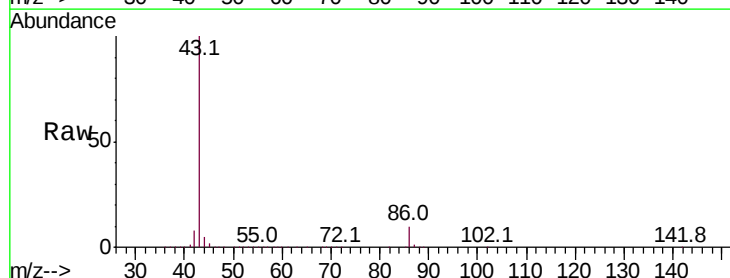
Acq: 08 Mar 2019 11:40

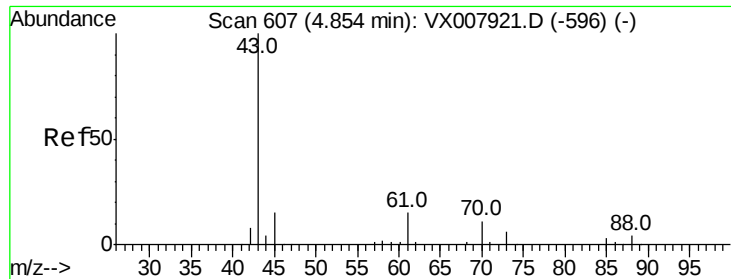
Tgt Ion: 43 Resp: 6020130

Ion Ratio Lower Upper

43 100

86 9.2 8.2 12.2





#43

Ethyl Acetate

Concen: 139.542 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 633557

Ion Ratio Lower Upper

43 100

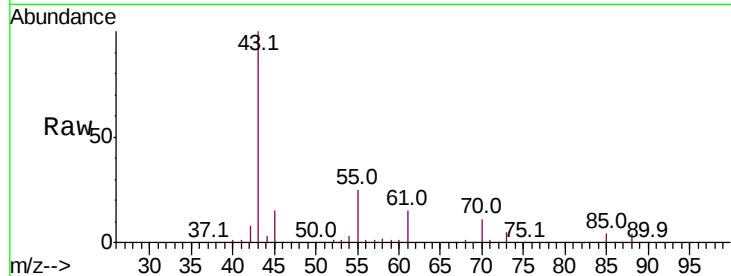
45 15.1 6.9 10.3#

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:31:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

600000

400000

200000

0

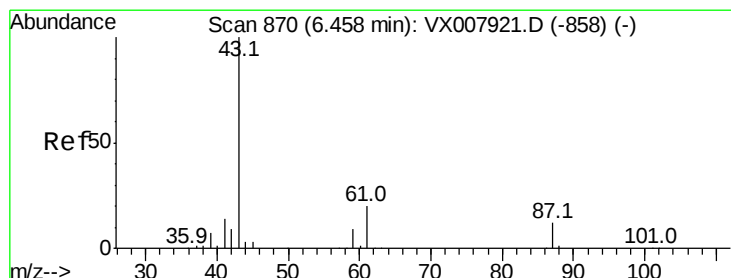
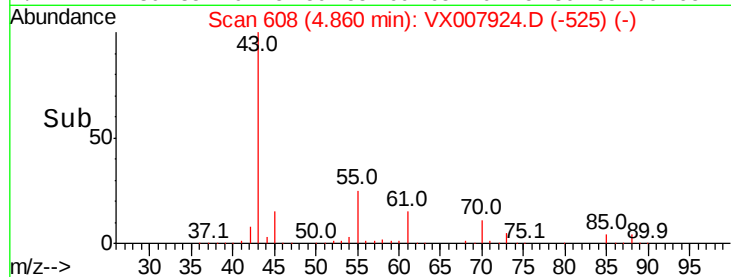
4.80

4.86

4.90

5.00

Time-->



#44

Isopropyl Acetate

Concen: 147.928 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007924.D

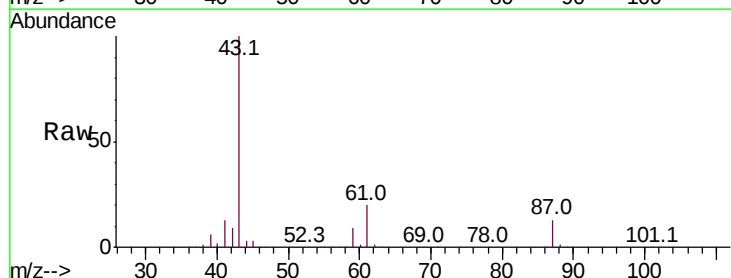
Acq: 08 Mar 2019 11:40

Tgt Ion: 43 Resp: 1013296

Ion Ratio Lower Upper

43 100

61 20.6 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

400000

300000

200000

100000

0

6.30

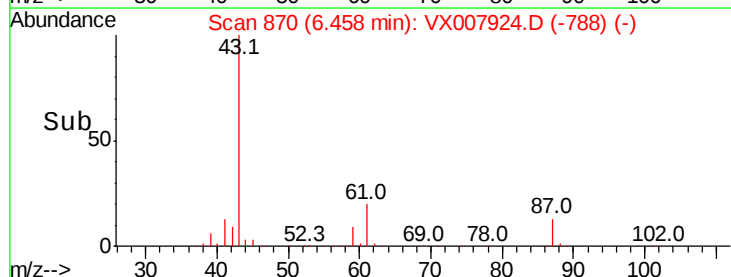
6.40

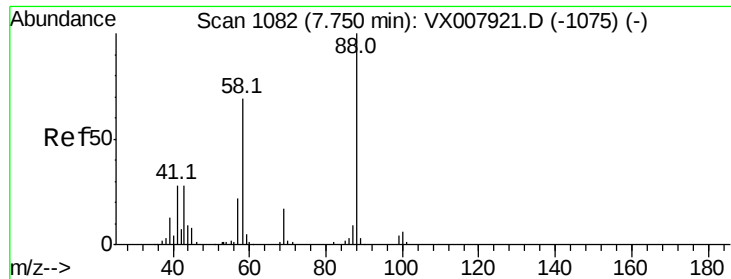
6.46

6.50

6.60

Time-->





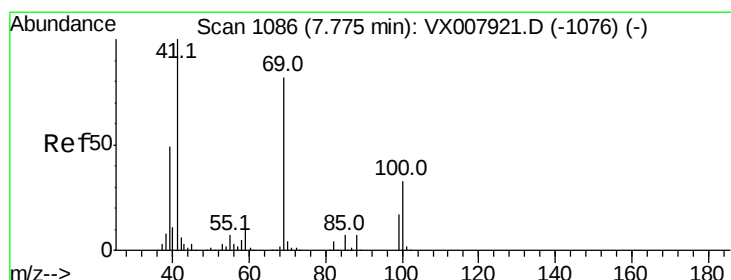
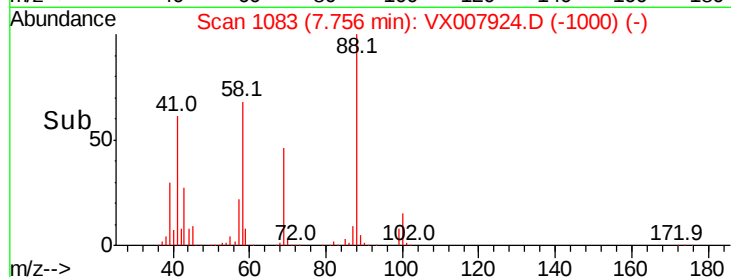
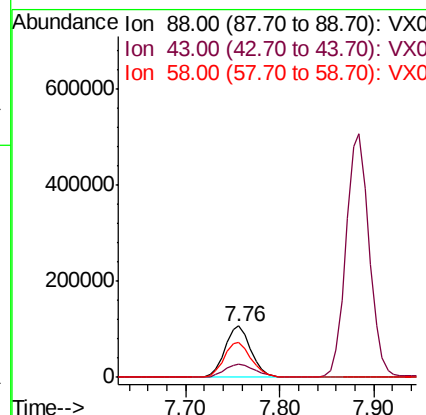
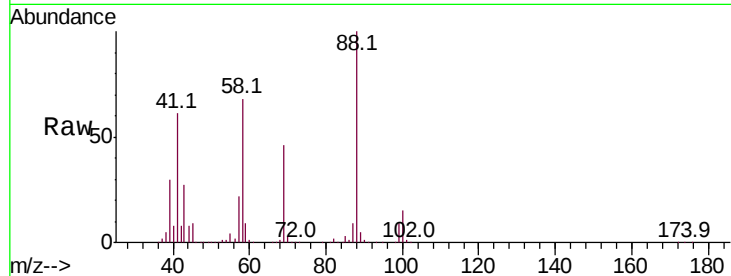
#45
1,4-Dioxane
Concen: 2810.781 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	23.6	35.4
58	71.9	51.6	77.4

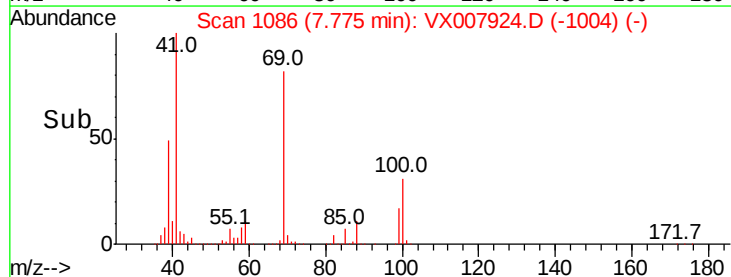
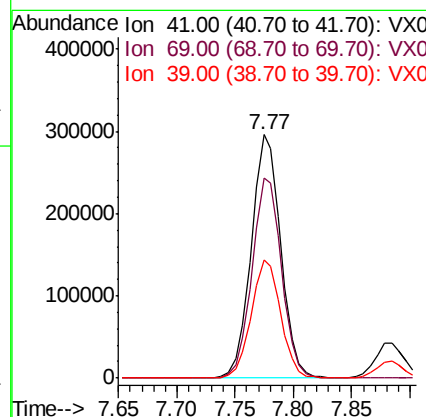
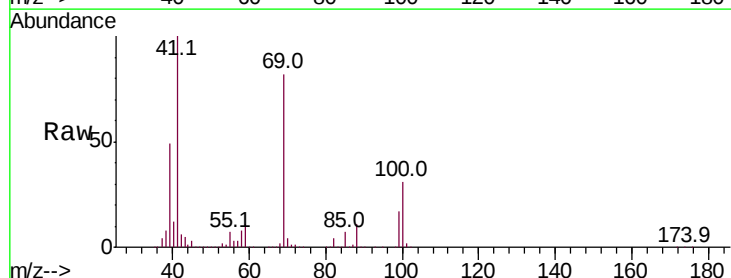
Manual Integrations
APPROVED

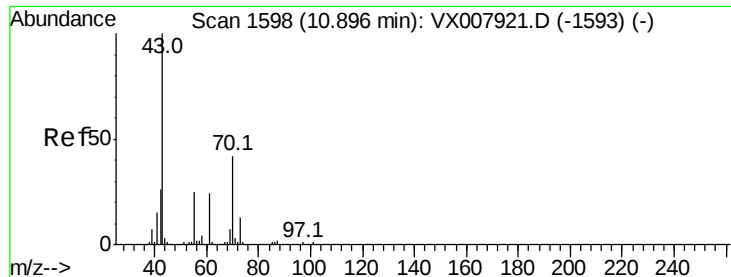
MMDadoda
3/11/2019 9:31:04 AM



#46
Methyl methacrylate
Concen: 144.155 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.5	44.2	132.6
39	48.6	29.9	89.8





#47

n-amvl Acetate

Concen: 149.792 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 881890

Ion Ratio Lower Upper

43 100

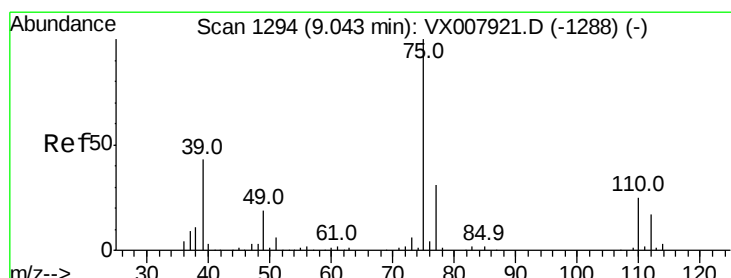
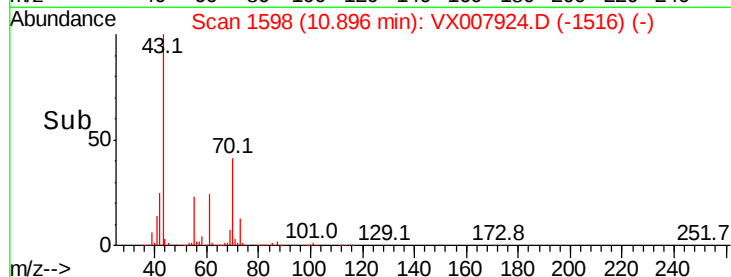
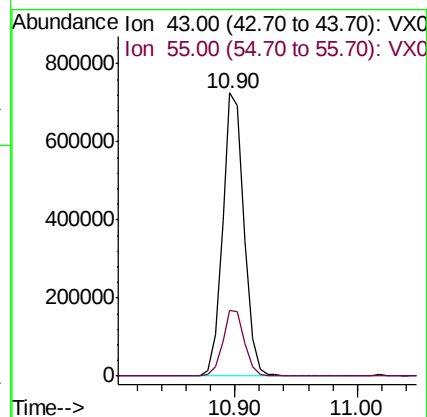
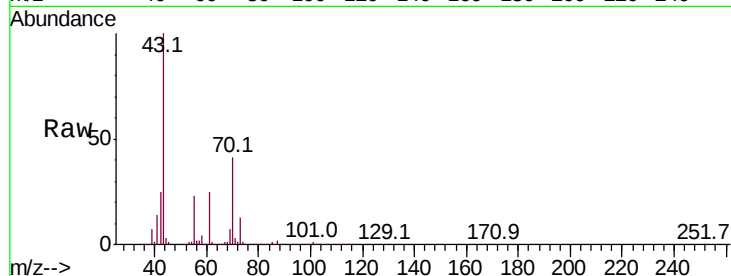
55 23.6 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:31:04 AM



#48

t-1,3-Dichloropropene

Concen: 163.139 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007924.D

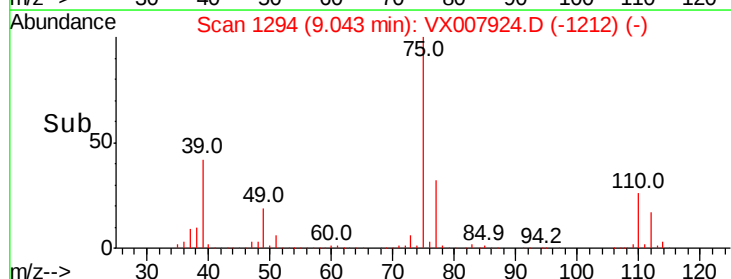
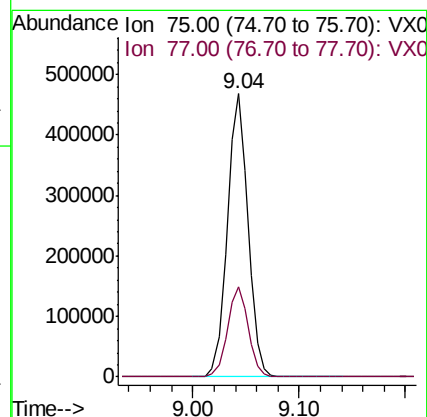
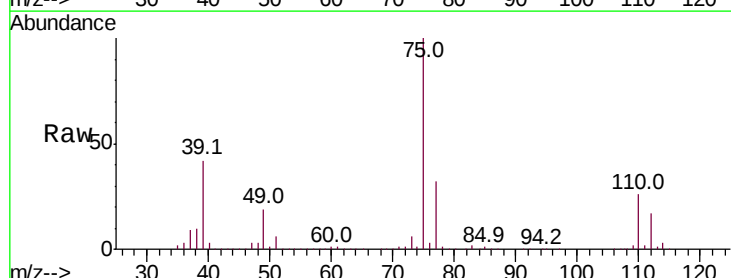
Acq: 08 Mar 2019 11:40

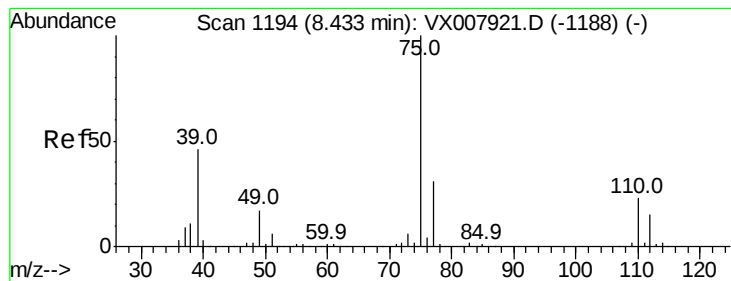
Tgt Ion: 75 Resp: 634077

Ion Ratio Lower Upper

75 100

77 31.7 24.5 36.7





#49

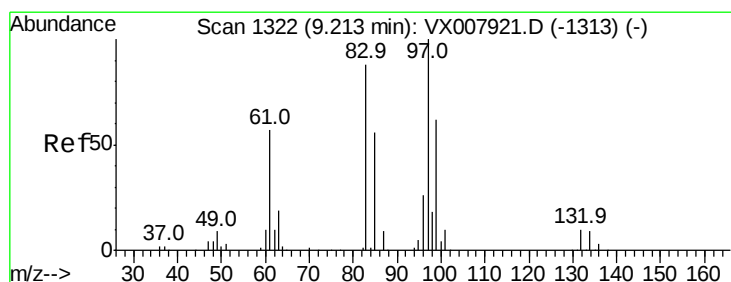
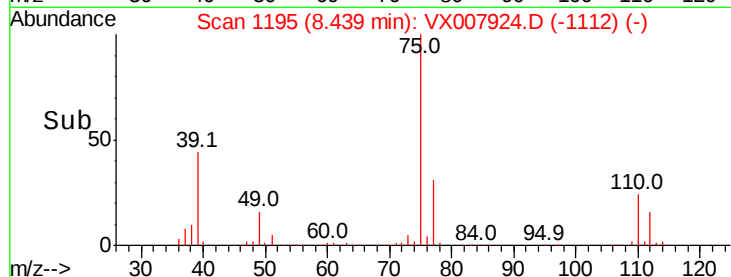
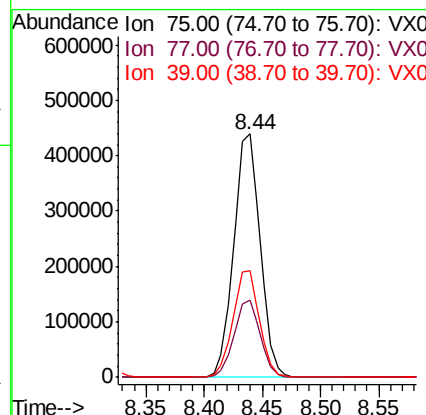
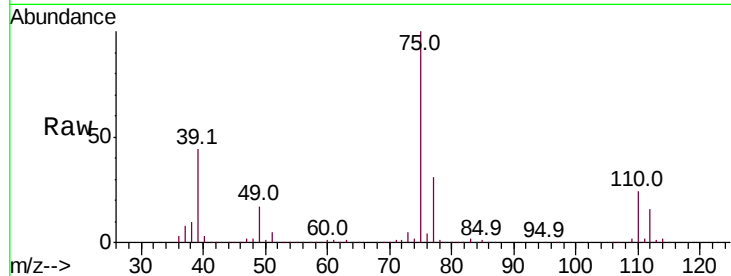
cis-1,3-Dichloropropene
Concen: 156.352 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	31.4	25.0	37.4	
39	43.7	38.5	57.7	

Manual Integrations
APPROVED

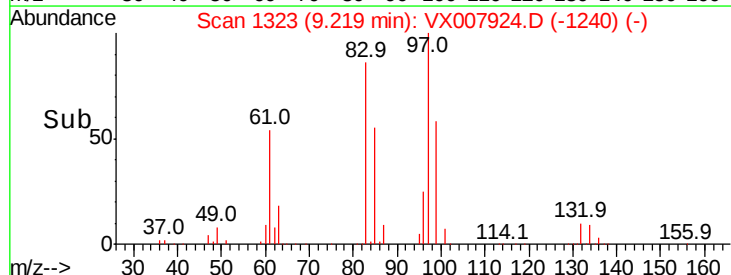
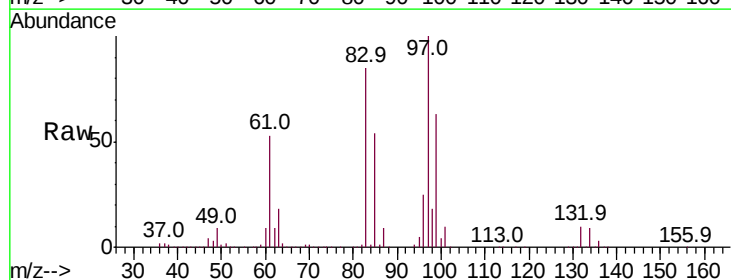
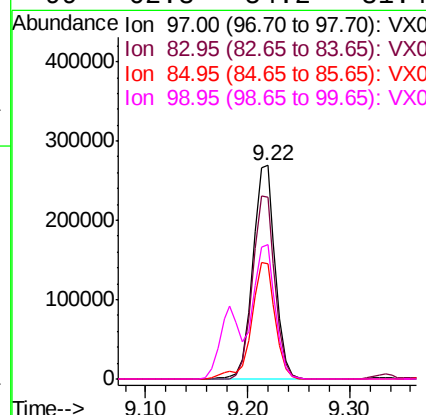
MMDadoda
3/11/2019 9:31:04 AM

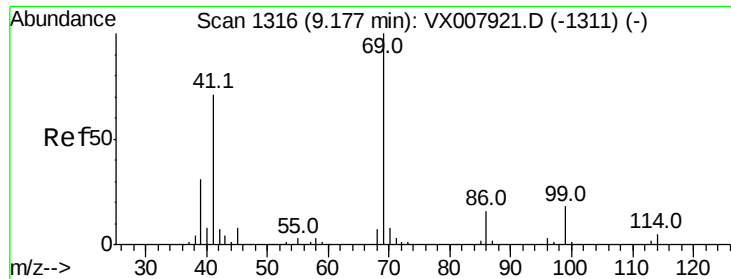


#50

1,1,2-Trichloroethane
Concen: 137.287 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	85.3	72.0	108.0	
85	54.2	45.0	67.6	
99	62.8	54.2	81.4	





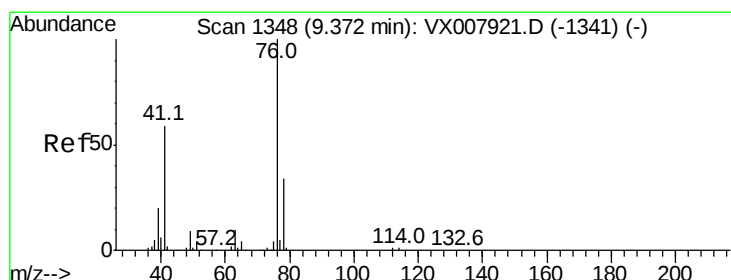
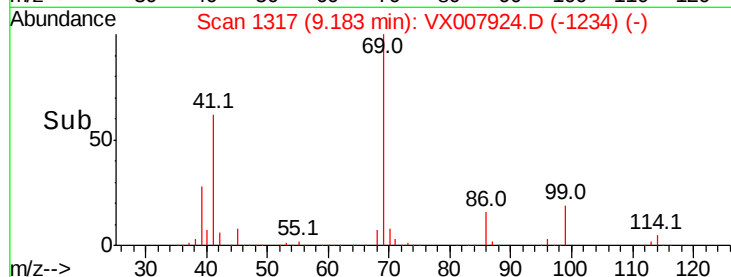
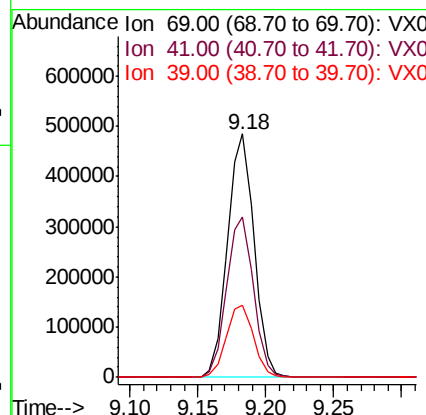
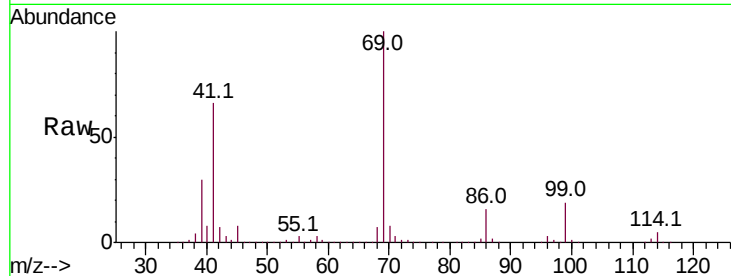
#51
Ethyl methacrylate
Concen: 146.537 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
69	100		
41	66.0	32.1	96.5
39	29.8	18.8	56.3

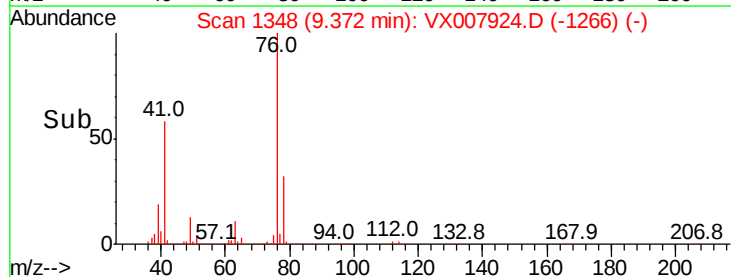
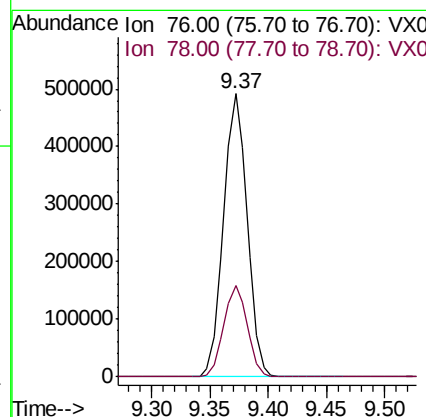
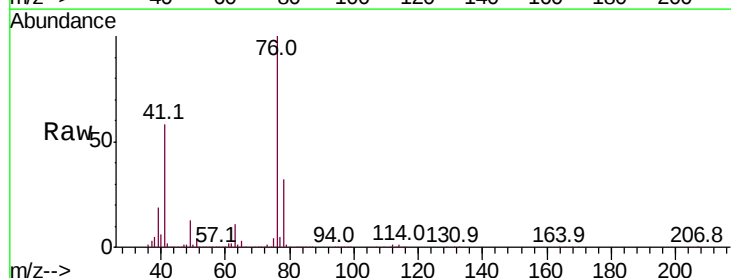
Manual Integrations
APPROVED

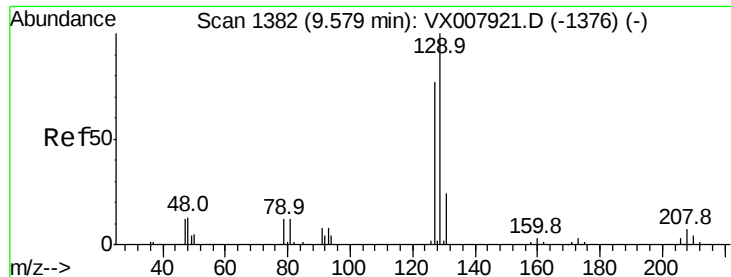
MMDadoda
3/11/2019 9:31:04 AM



#52
1,3-Dichloropropane
Concen: 139.677 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.2





#53

Dibromochloromethane

Concen: 151.320 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 457543

Ion Ratio Lower Upper

129 100

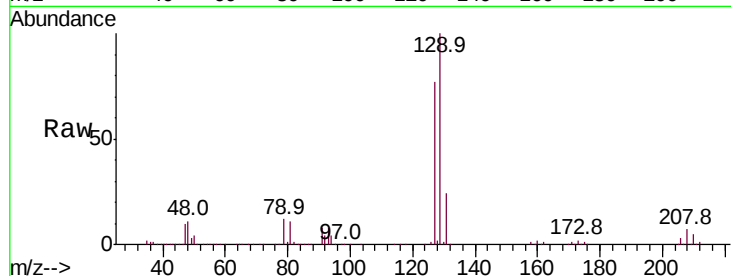
127 76.9 38.4 115.2

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:31:04 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.59

300000

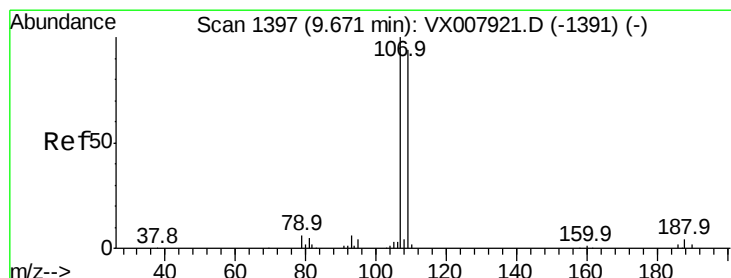
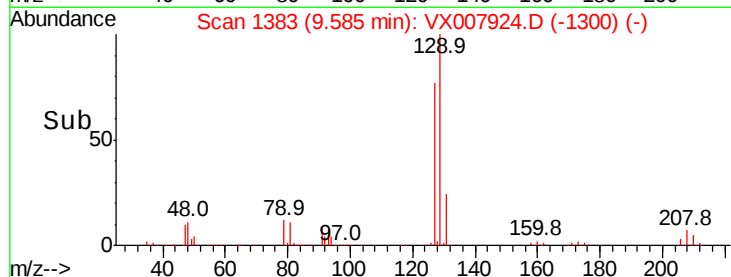
200000

100000

0

Time-->

9.50 9.55 9.60 9.65 9.70



#54

1,2-Dibromoethane

Concen: 142.243 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX007924.D

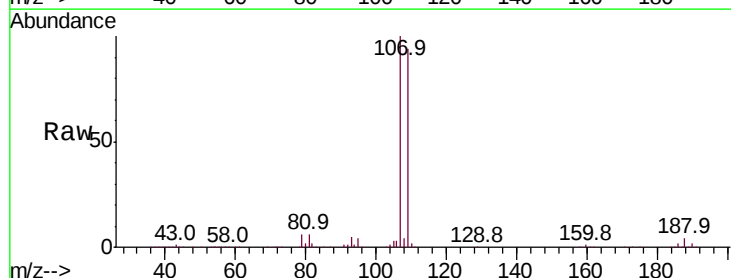
Acq: 08 Mar 2019 11:40

Tgt Ion:107 Resp: 442480

Ion Ratio Lower Upper

107 100

109 94.3 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.68

300000

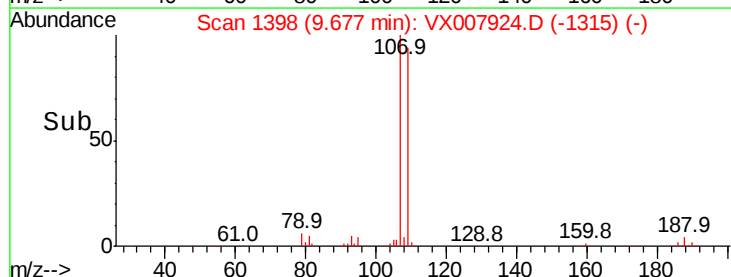
200000

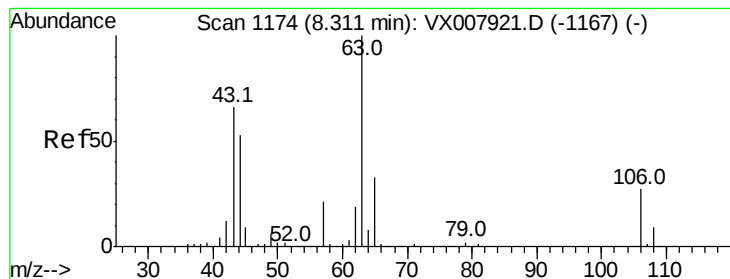
100000

0

Time-->

9.60 9.65 9.70 9.75 9.80





#55

2-Chloroethyl vinyl ether

Concen: 715.555 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1500035

Ion Ratio Lower Upper

63 100

65 32.1 25.7 38.5

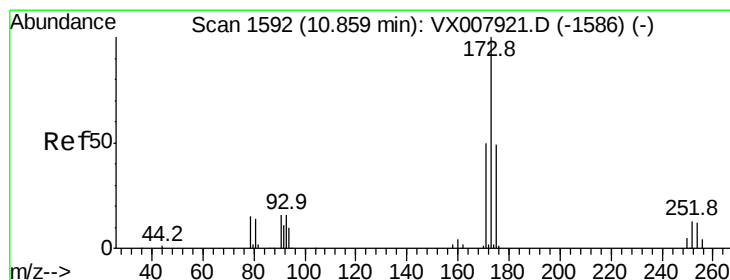
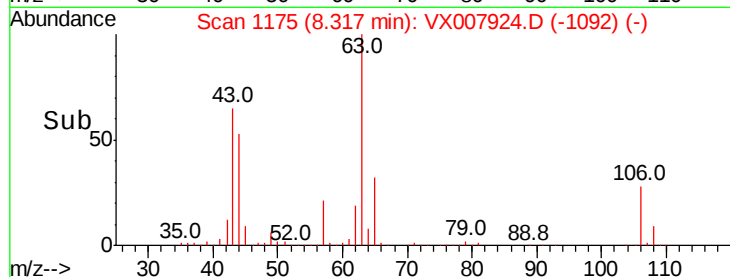
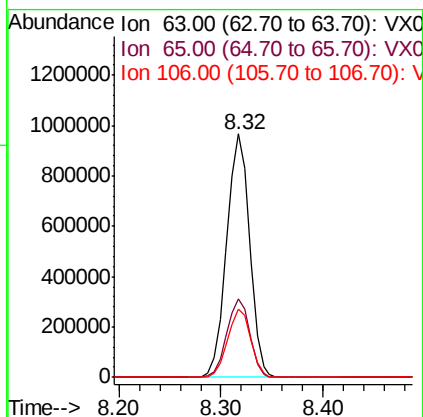
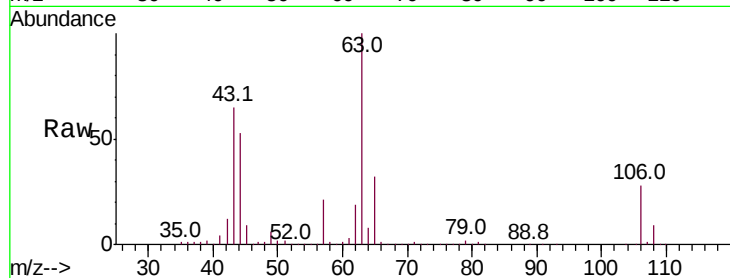
106 28.1 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:31:04 AM



#56

Bromoform

Concen: 157.330 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

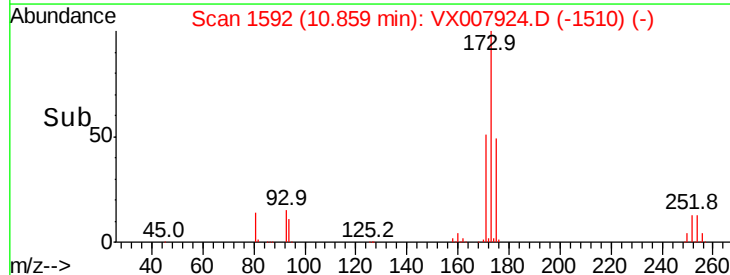
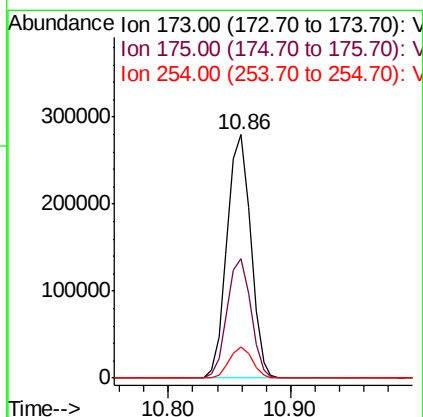
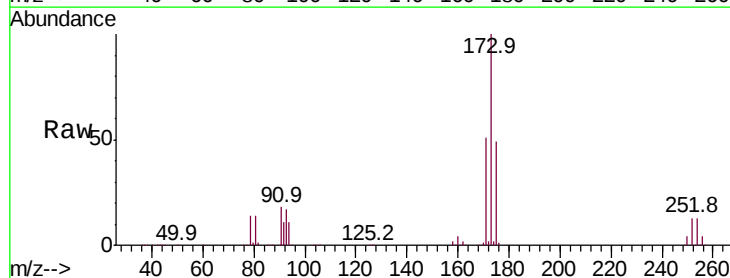
Tgt Ion: 173 Resp: 376440

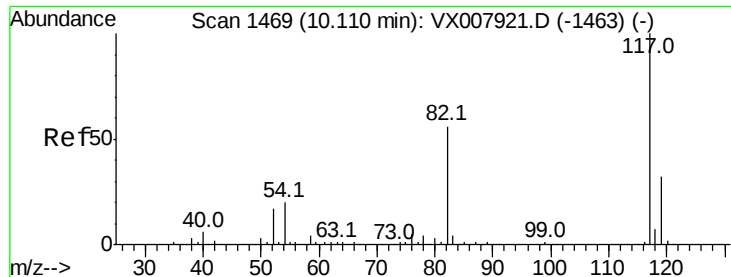
Ion Ratio Lower Upper

173 100

175 48.9 38.5 57.7

254 12.4 7.4 11.2#





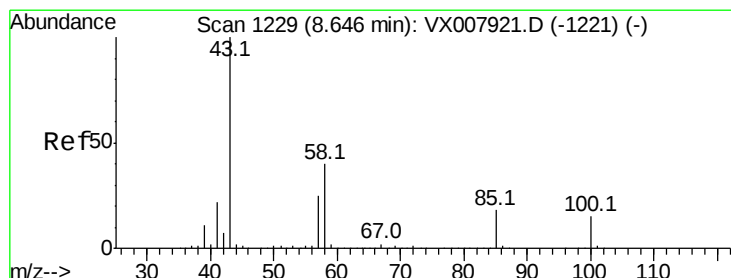
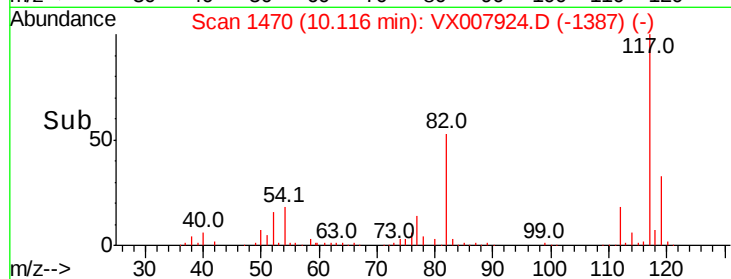
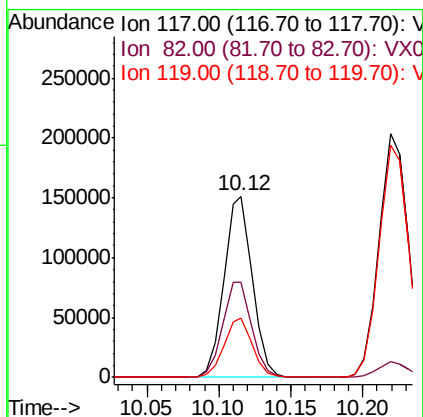
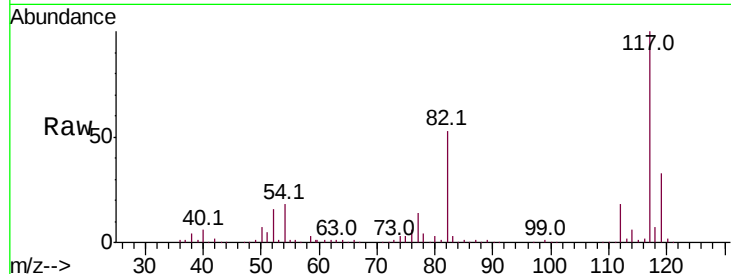
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	40.4	60.6
119	32.4	25.8	38.6

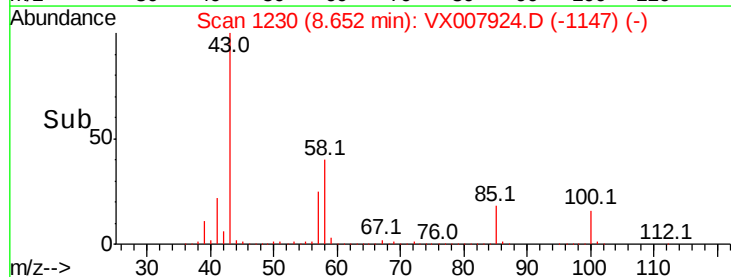
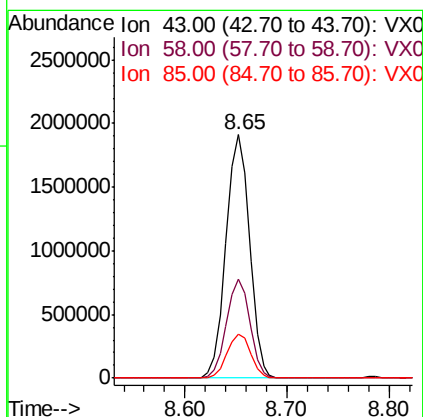
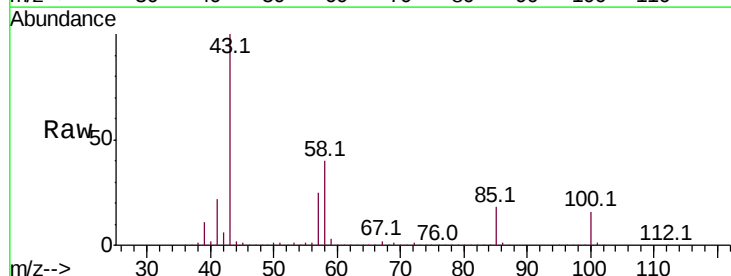
Manual Integrations
APPROVED

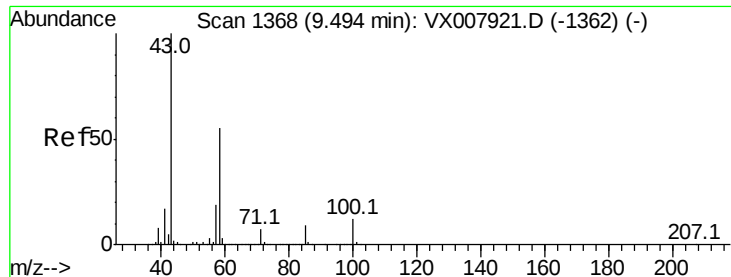
MMDadoda
3/11/2019 9:31:04 AM



#58
4-Methyl-2-Pentanone
Concen: 701.335 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.4	47.0
85	18.1	15.0	22.6





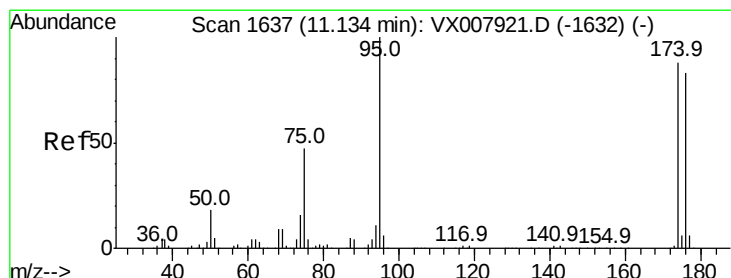
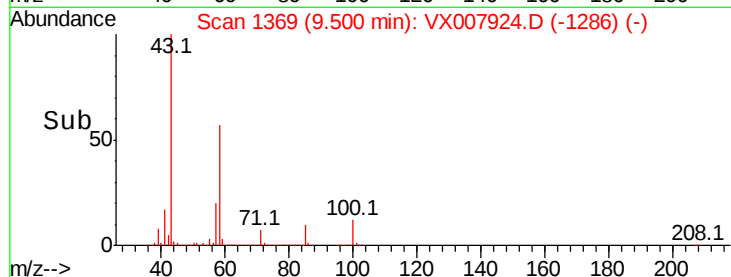
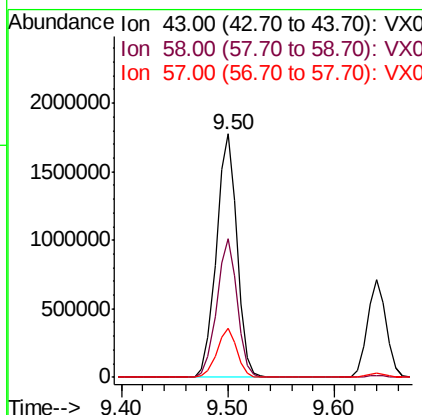
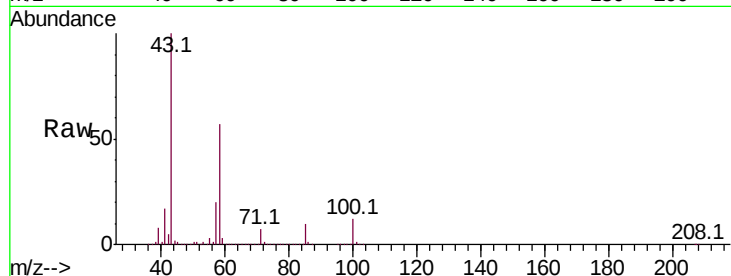
#59
2-Hexanone
Concen: 686.461 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2373876
Ion Ratio Lower Upper
43 100
58 56.1 43.9 65.9
57 19.5 14.9 22.3

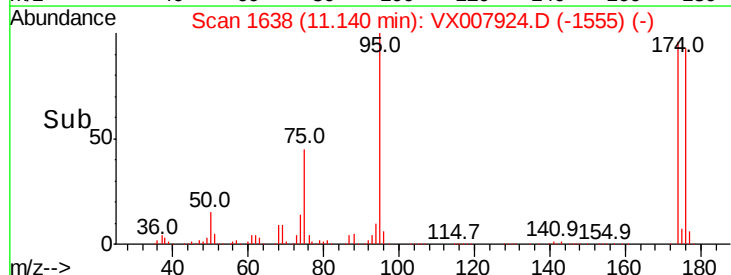
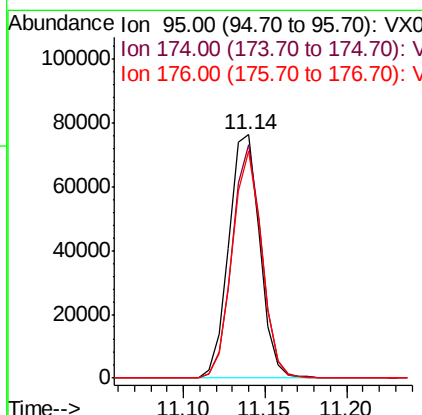
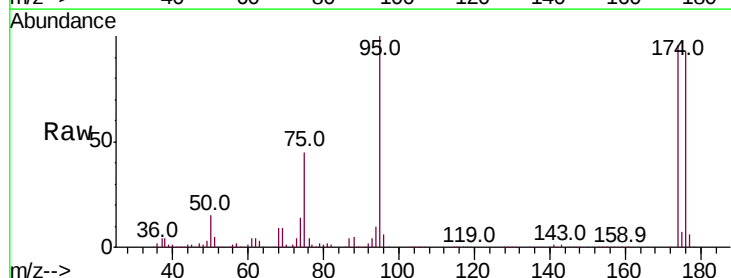
Manual Integrations
APPROVED

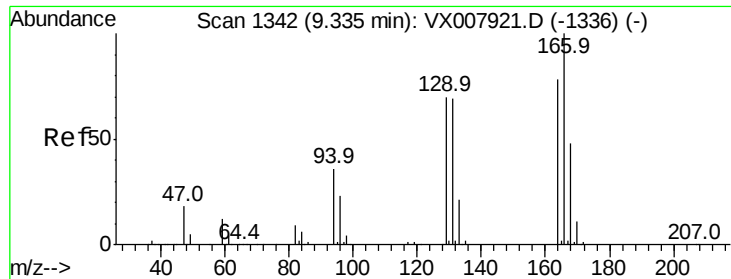
MMDadoda
3/11/2019 9:31:04 AM



#60
4-Bromofluorobenzene
Concen: 30.342 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 95 Resp: 101073
Ion Ratio Lower Upper
95 100
174 91.0 74.9 112.3
176 89.1 70.7 106.1





#61

Tetrachloroethene

Concen: 137.181 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 425865

Ion Ratio Lower Upper

164 100

166 127.1 103.9 155.9

129 89.8 74.7 112.1

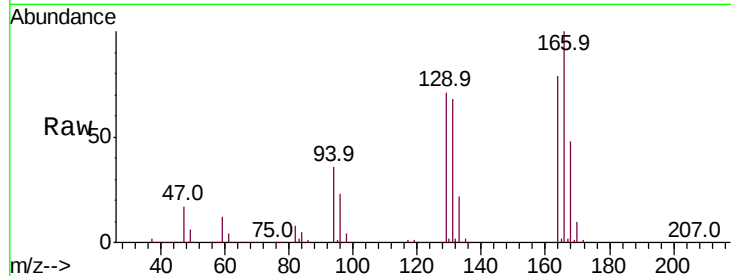
131 86.3 71.7 107.5

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:31:04 AM



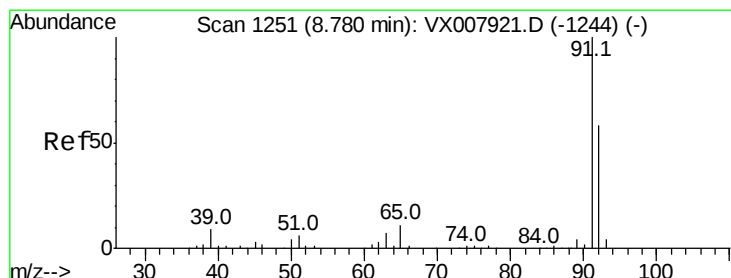
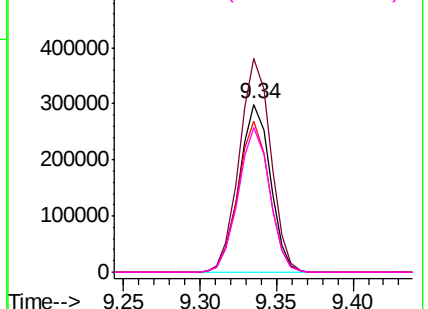
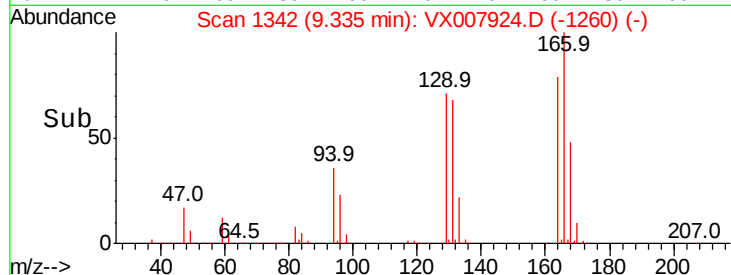
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 144.840 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007924.D

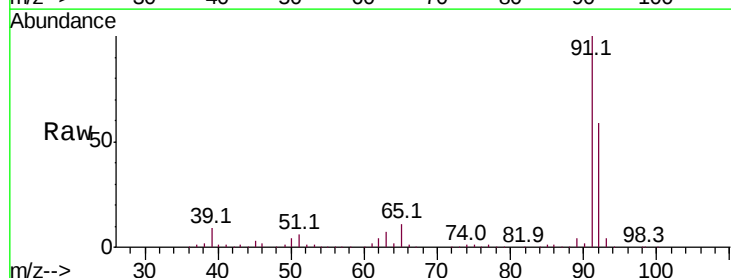
Acq: 08 Mar 2019 11:40

Tgt Ion: 91 Resp: 1781369

Ion Ratio Lower Upper

91 100

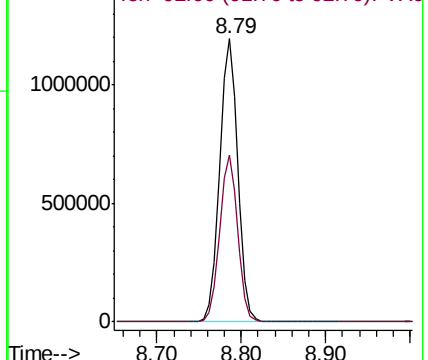
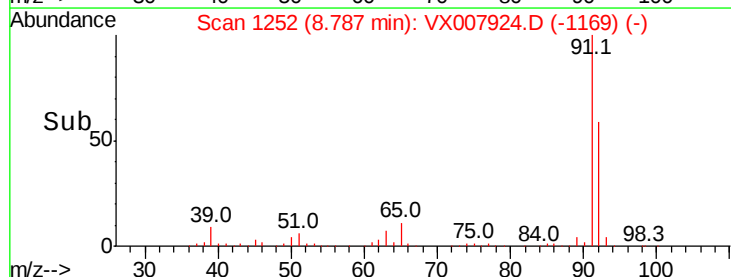
92 58.3 46.4 69.6

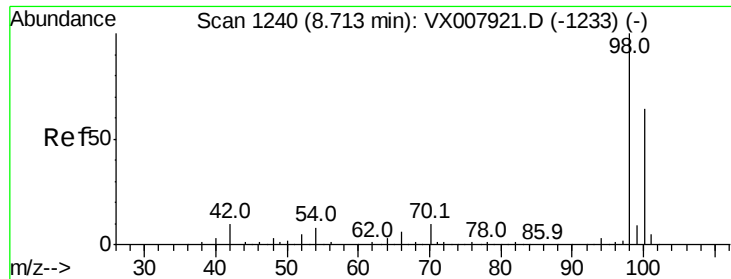


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





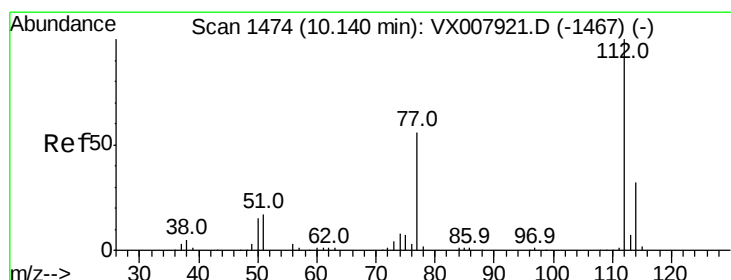
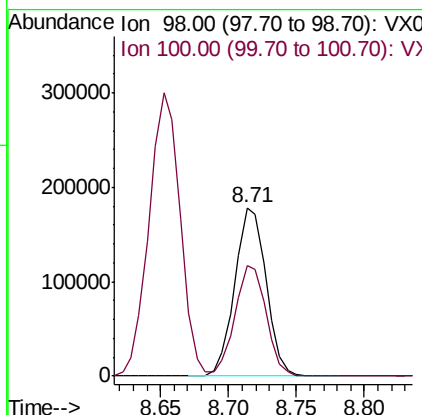
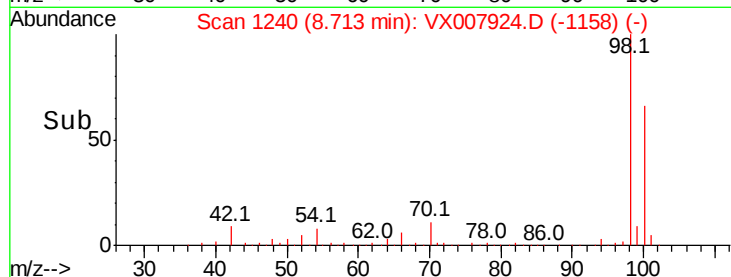
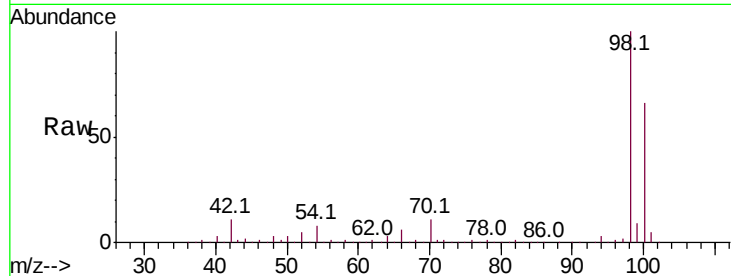
#63
Toluene-d8
Concen: 30.003 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 287202
Ion Ratio Lower Upper
98 100
100 65.7 50.9 76.3

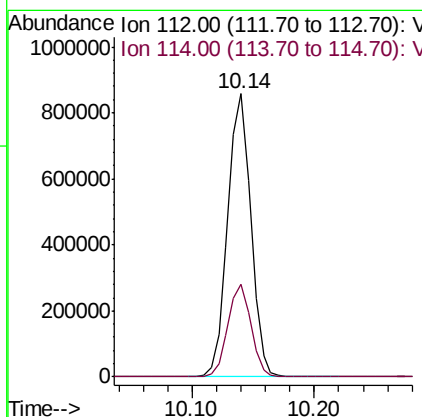
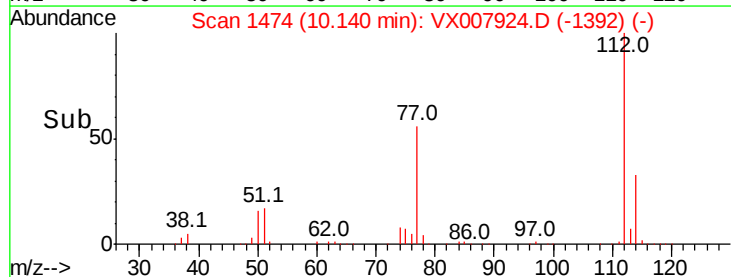
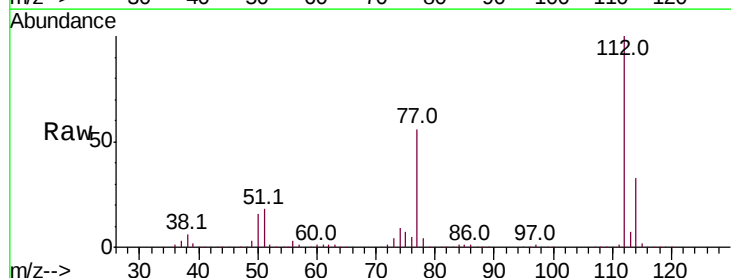
Manual Integrations
APPROVED

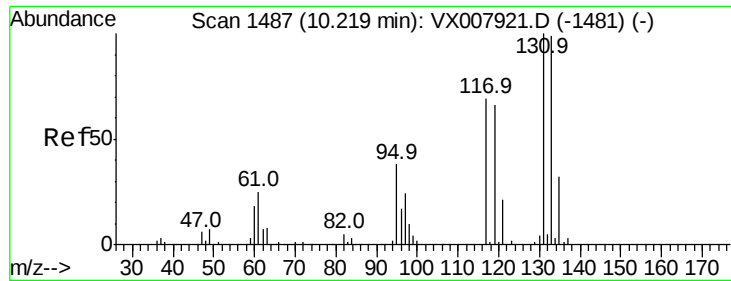
MMDadoda
3/11/2019 9:31:04 AM



#64
Chlorobenzene
Concen: 143.006 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 112 Resp: 1123744
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 150.455 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:131 Resp: 419096

Ion Ratio Lower Upper

131 100

133 95.5 0.0 191.6

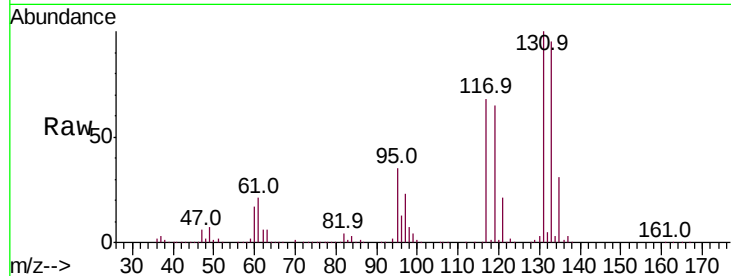
119 64.8 0.0 127.4

Manual Integrations

APPROVED

MMDadoda

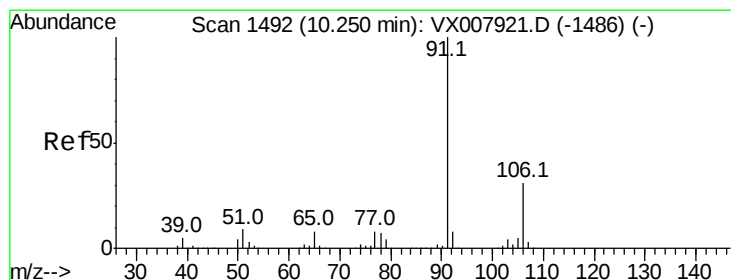
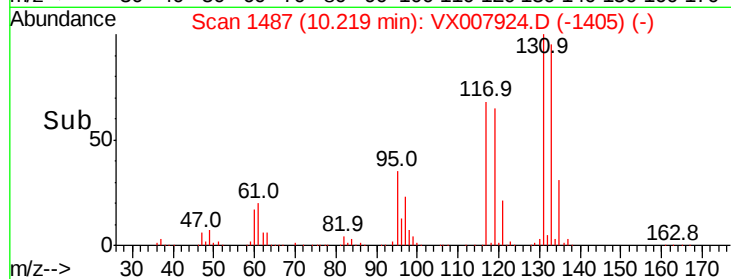
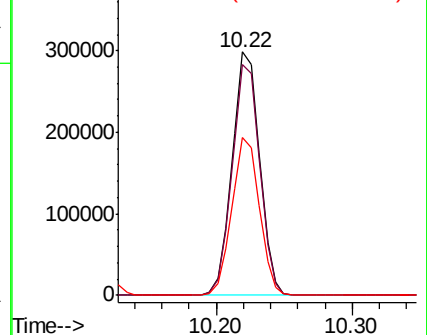
3/11/2019 9:31:04 AM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 146.715 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007924.D

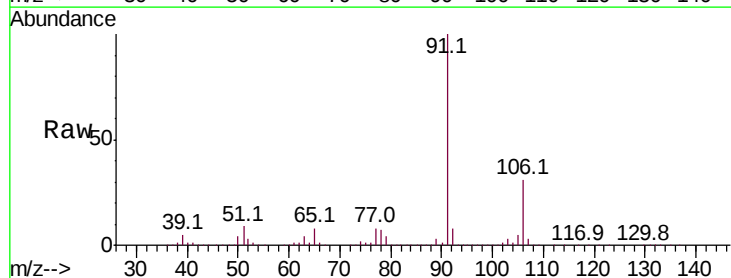
Acq: 08 Mar 2019 11:40

Tgt Ion: 91 Resp: 1933300

Ion Ratio Lower Upper

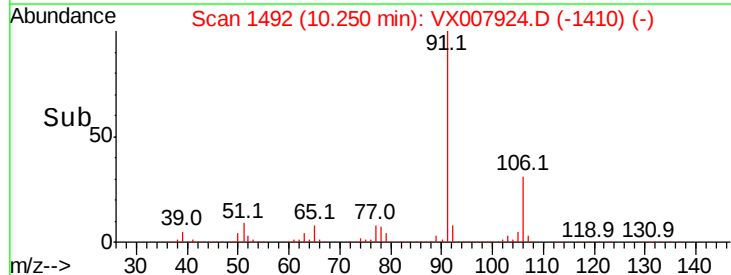
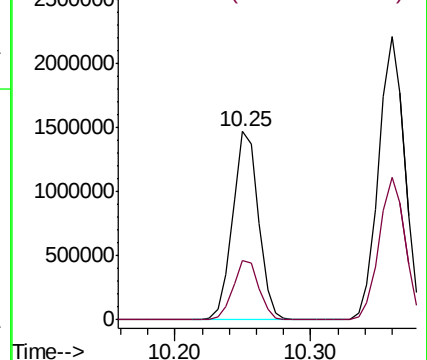
91 100

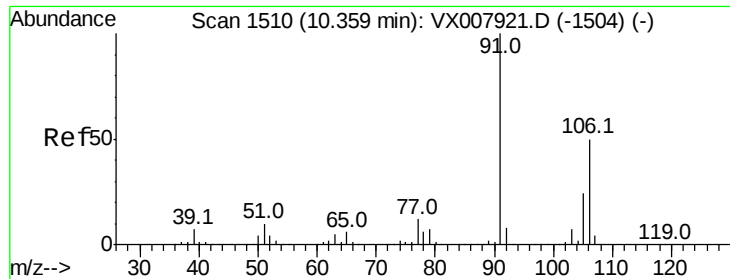
106 31.4 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





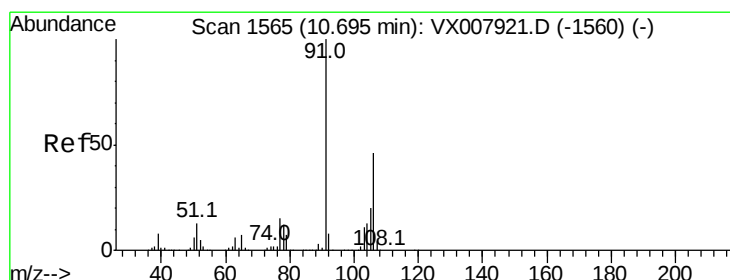
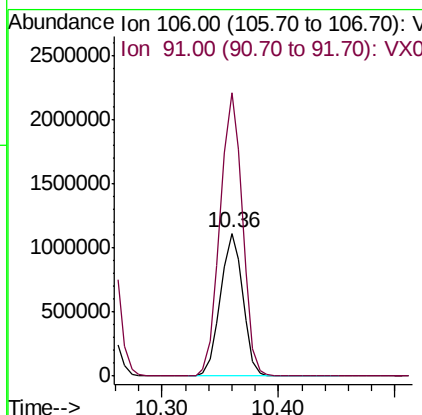
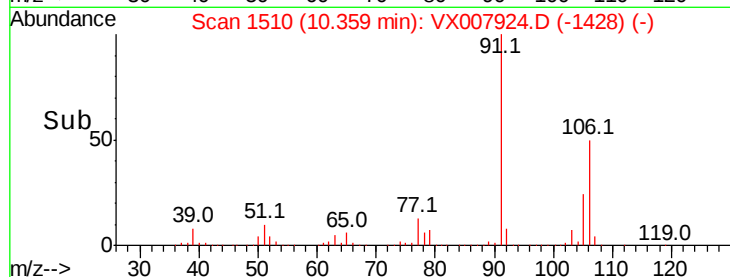
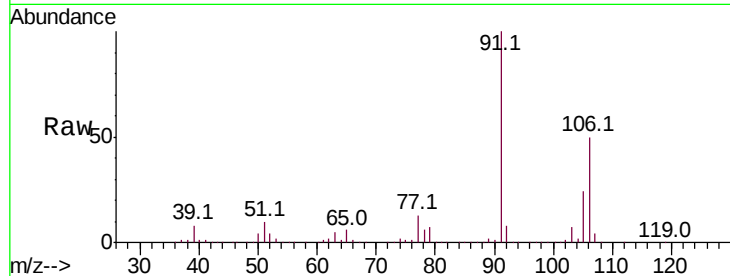
#67
m/p-Xylenes
Concen: 291.799 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1475997
Ion Ratio Lower Upper
106 100
91 199.1 157.0 235.4

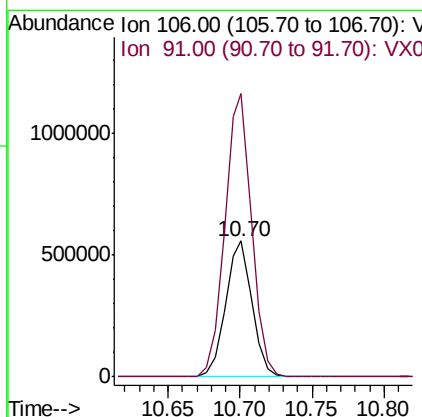
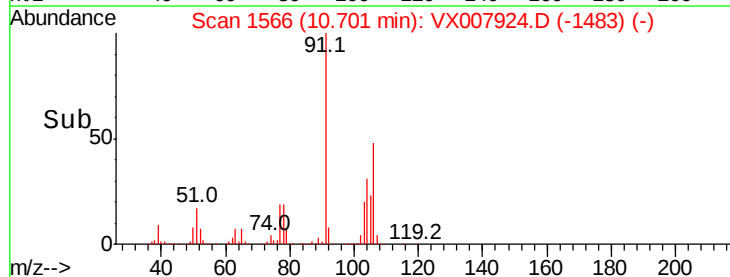
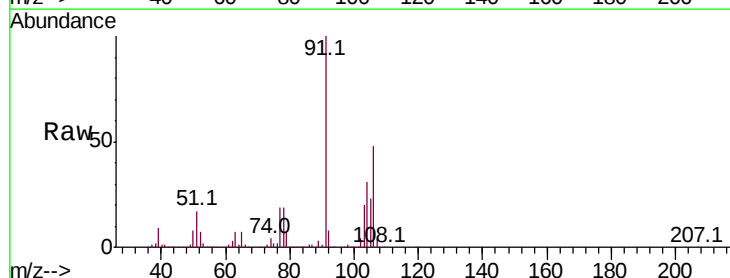
Manual Integrations
APPROVED

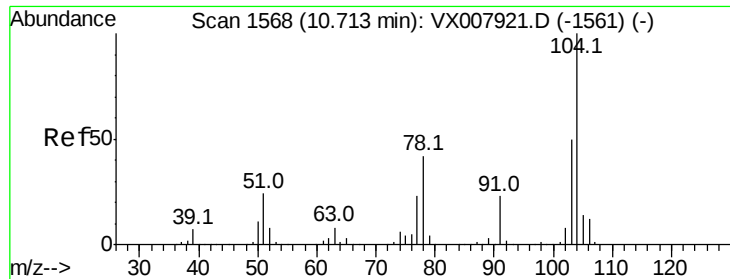
MMDadoda
3/11/2019 9:31:04 AM



#68
o-Xylene
Concen: 146.316 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion:106 Resp: 718270
Ion Ratio Lower Upper
106 100
91 211.1 104.4 313.2





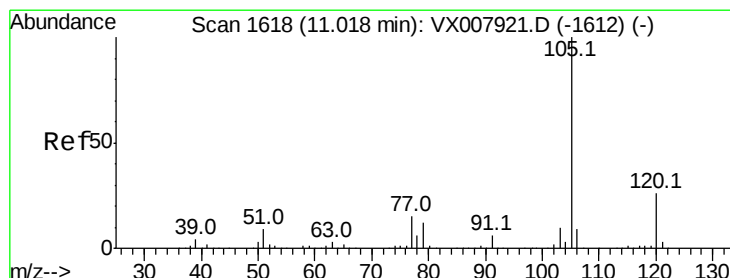
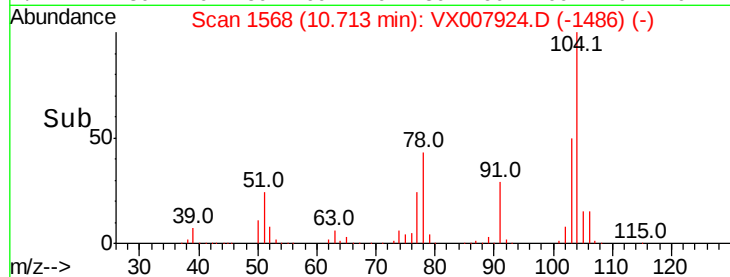
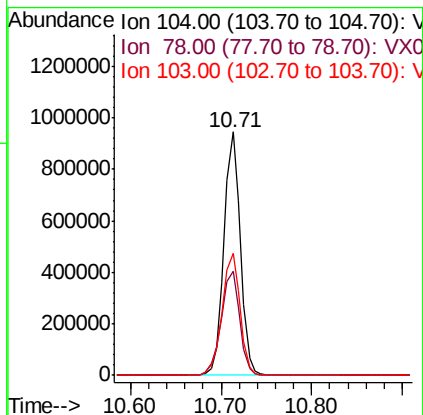
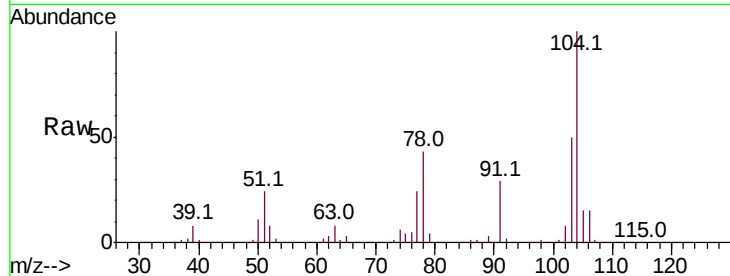
#69
Stvrene
Concen: 147.792 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 1193067
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 55.1 45.0 67.4

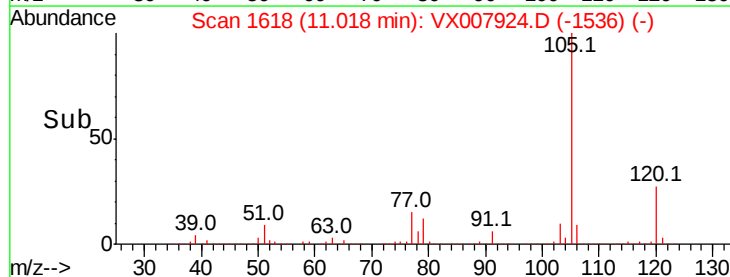
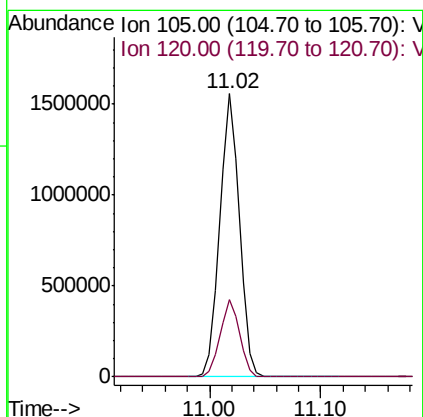
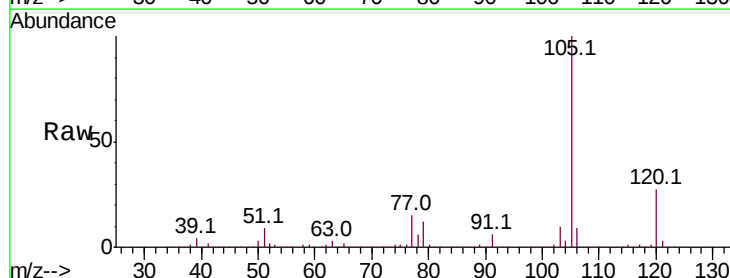
Manual Integrations
APPROVED

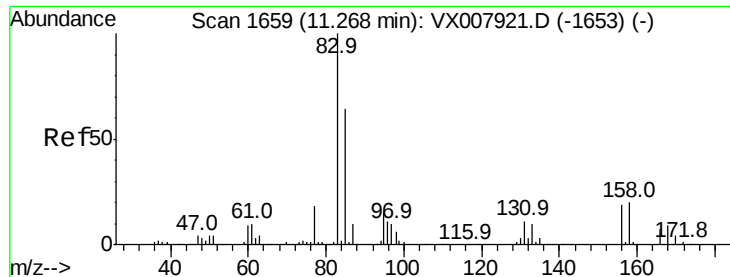
MMDadoda
3/11/2019 9:31:04 AM



#70
Isopropylbenzene
Concen: 144.373 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion:105 Resp: 1898755
Ion Ratio Lower Upper
105 100
120 26.8 19.8 36.8





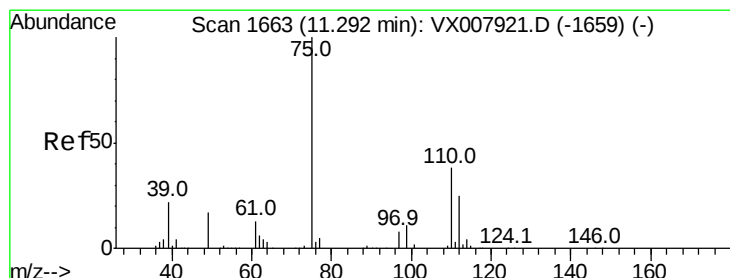
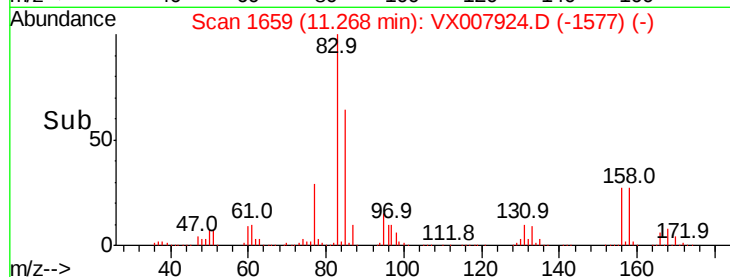
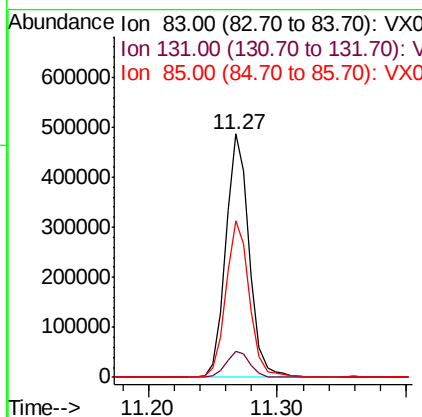
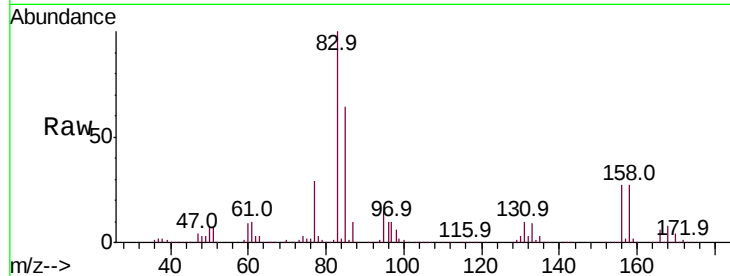
#71
 1,1,2,2-Tetrachloroethane
 Concen: 142.741 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	83	Resp	621372
Ion Ratio	100	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	64.5	32.8	98.4

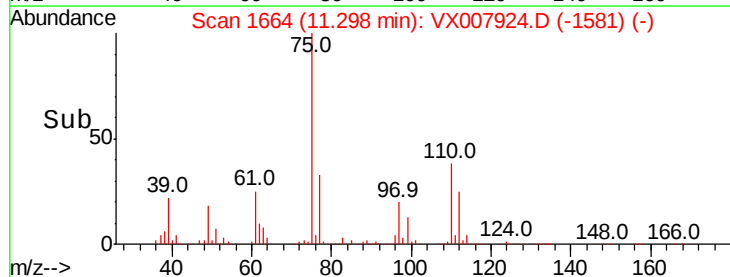
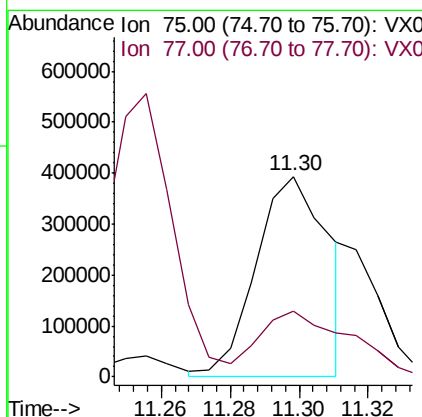
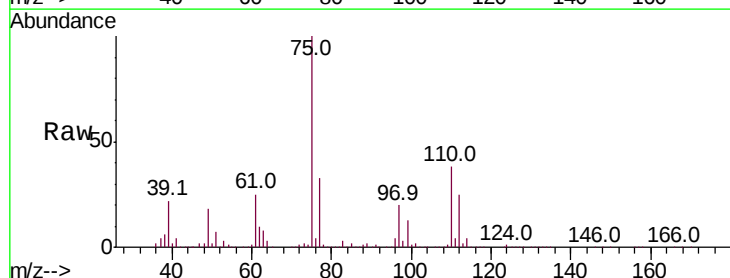
Manual Integrations
 APPROVED

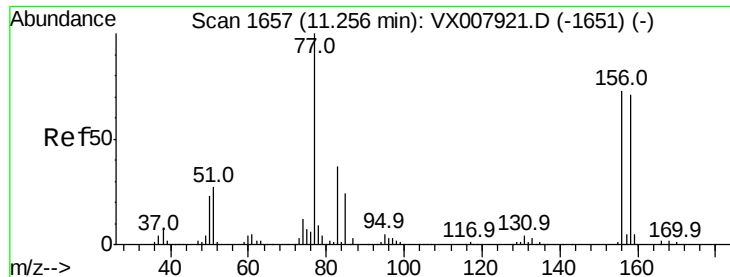
MMDadoda
 3/11/2019 9:31:04 AM



#72
 1,2,3-Trichloropropane
 Concen: 139.712 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion	75	Resp	575626
Ion Ratio	100	Lower	Upper
75	100		
77	41.4	0.0	76.4





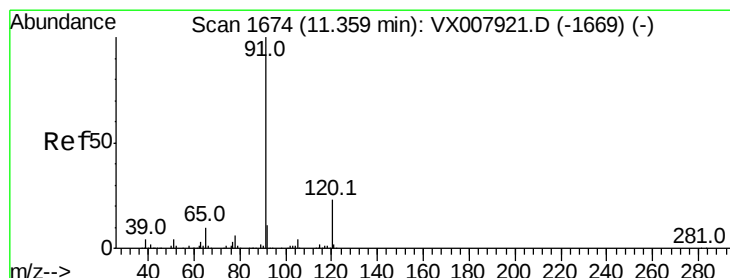
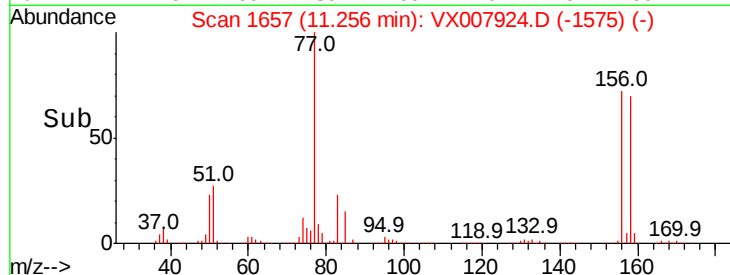
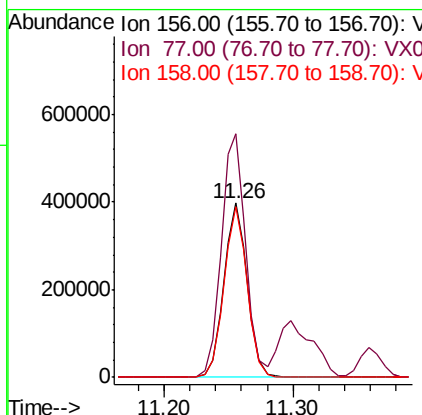
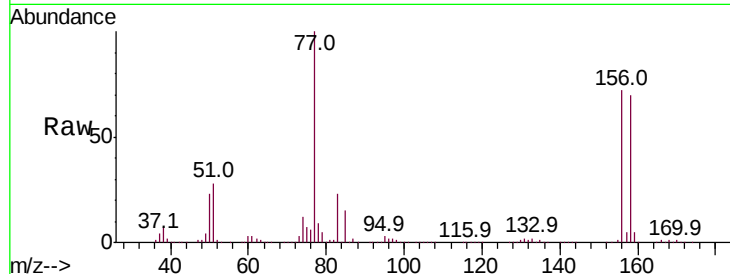
#73
Bromobenzene
Concen: 145.007 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
156	100	506578		
77	145.2	0.0	271.4	
158	97.5	0.0	194.0	

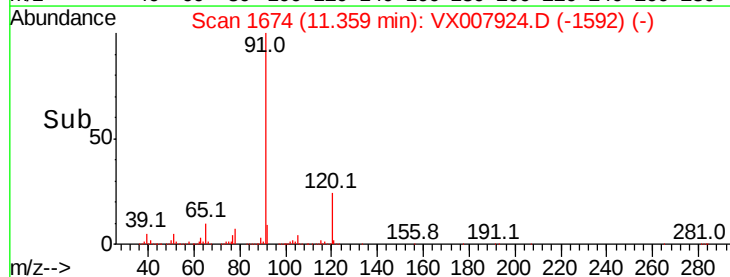
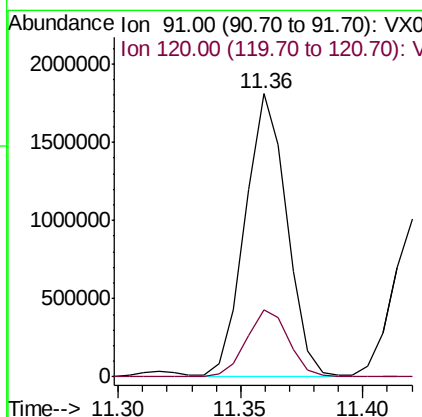
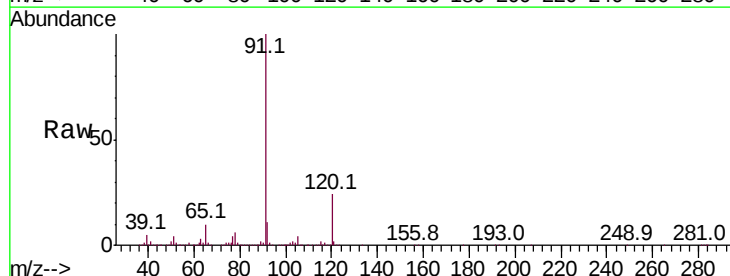
Manual Integrations
APPROVED

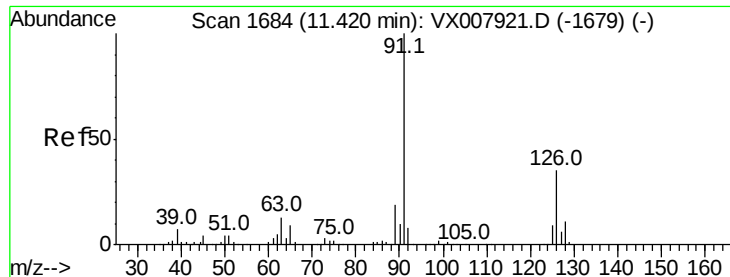
MMDadoda
3/11/2019 9:31:04 AM



#74
n-propylbenzene
Concen: 145.933 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2160427		
120	24.0	0.0	48.6	





#75

2-Chlorotoluene

Concen: 143.066 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1274371

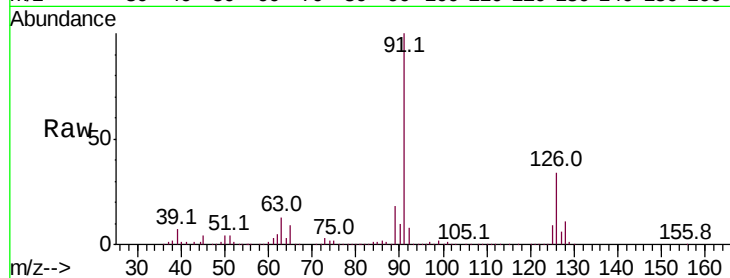
Ion Ratio Lower Upper

91 100

126 34.8 0.0 75.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:31:04 AM



Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX007921.D (-1679) (-)

2000000

1500000

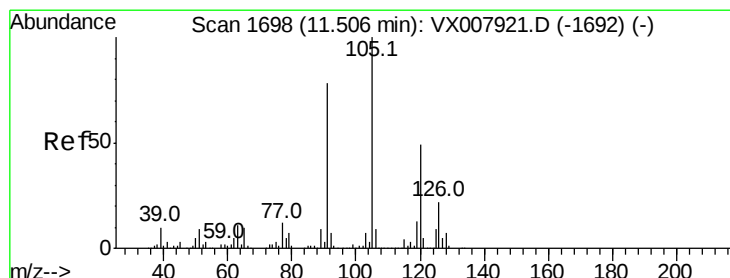
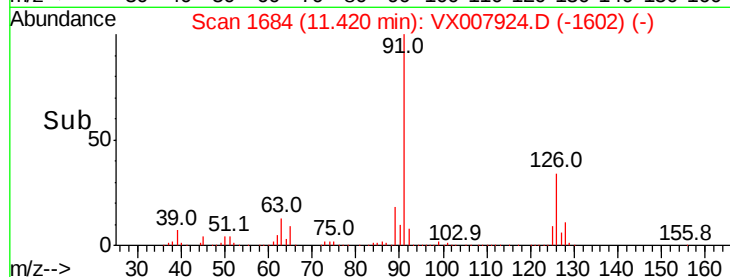
1000000

500000

0

11.40 11.42 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 146.138 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007924.D

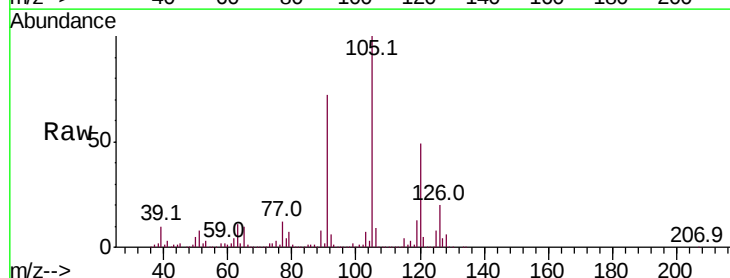
Acq: 08 Mar 2019 11:40

Tgt Ion:105 Resp: 1589084

Ion Ratio Lower Upper

105 100

120 49.1 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX007921.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007921.D (-1692) (-)

1500000

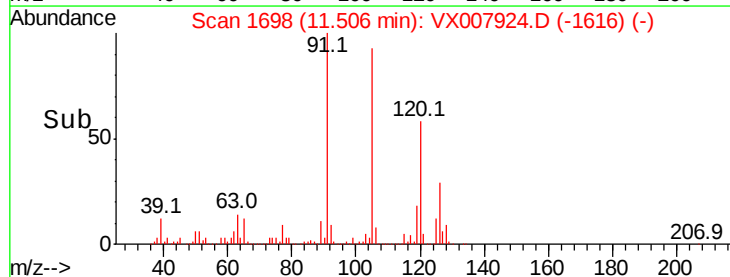
1000000

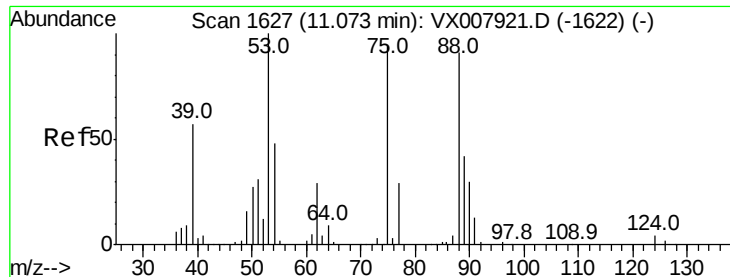
500000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 178.552 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 215953

Ion Ratio Lower Upper

75 100

53 89.5 55.5 166.7

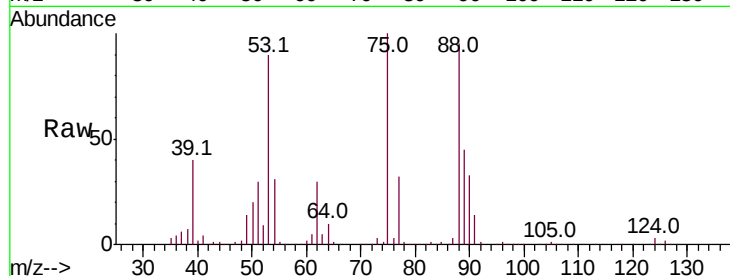
89 45.1 24.4 73.2

Manual Integrations

APPROVED

MMDadoda

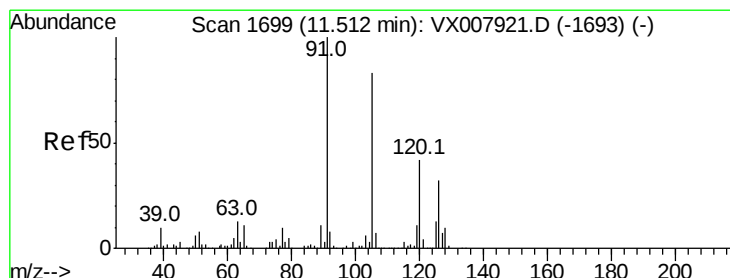
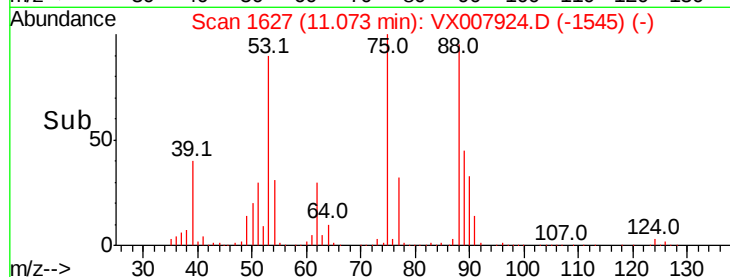
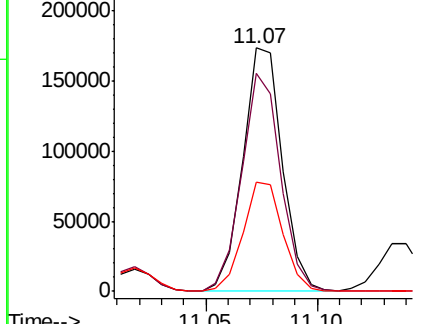
3/11/2019 9:31:04 AM



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 147.247 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007924.D

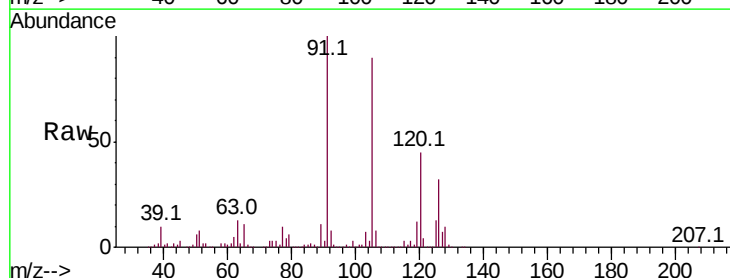
Acq: 08 Mar 2019 11:40

Tgt Ion: 91 Resp: 1474647

Ion Ratio Lower Upper

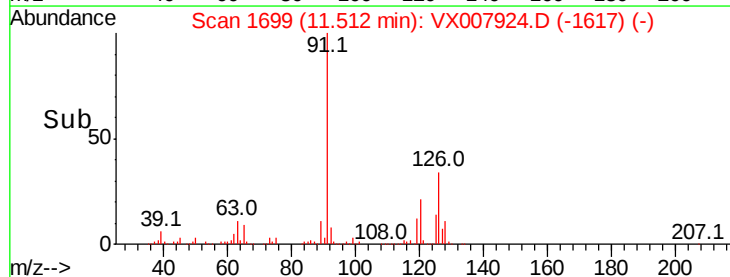
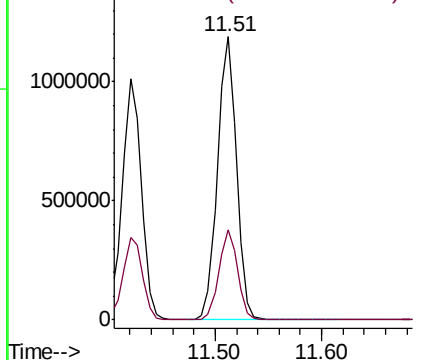
91 100

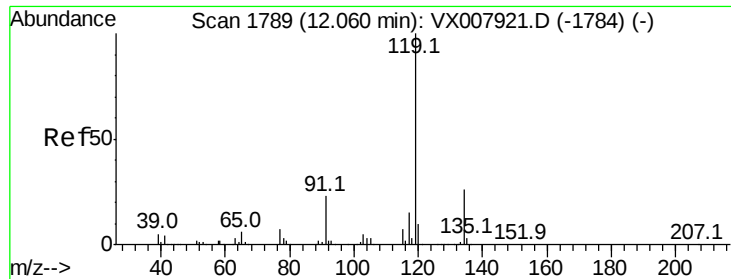
126 31.2 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





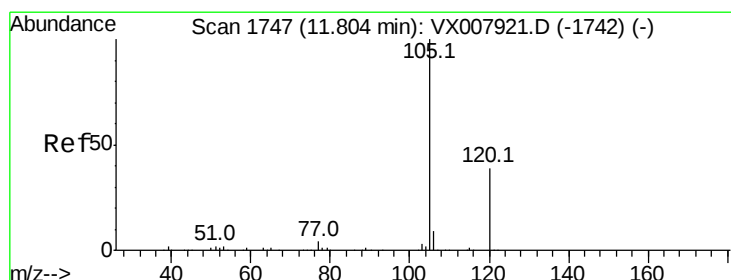
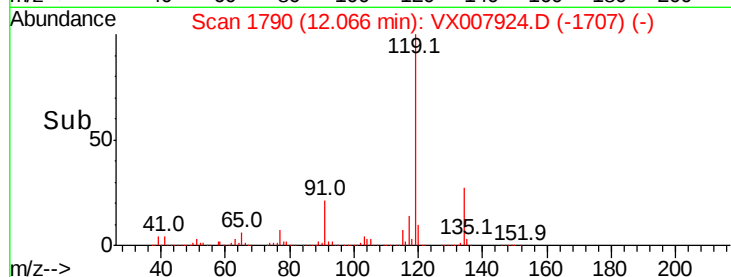
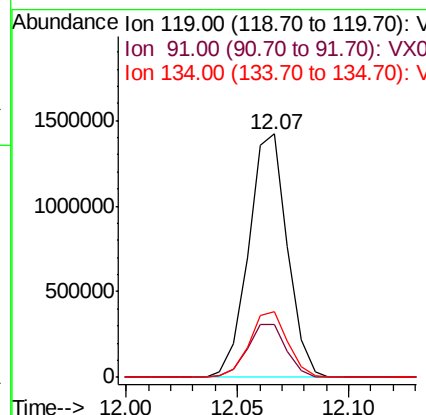
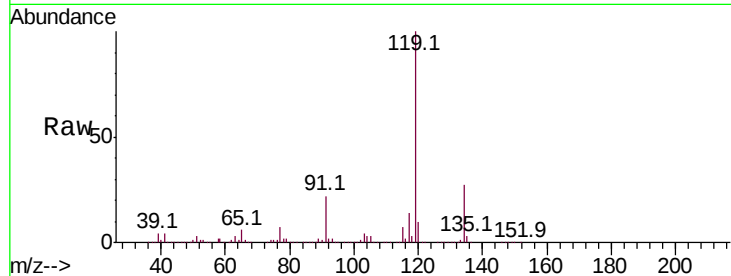
#79
tert-butylbenzene
Concen: 148.000 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	22.1	0.0	45.0
134	26.6	0.0	55.4

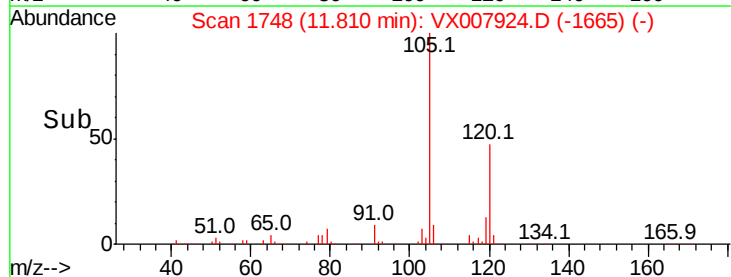
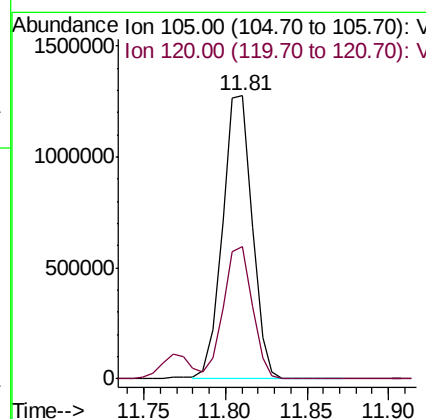
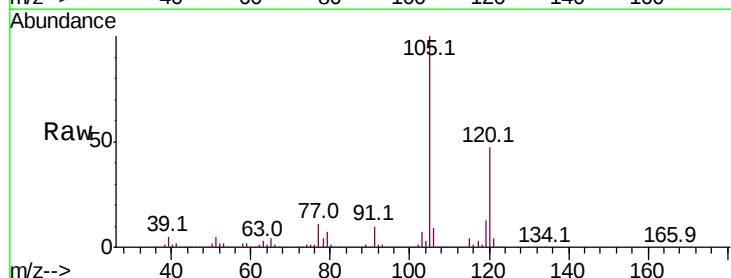
Manual Integrations
APPROVED

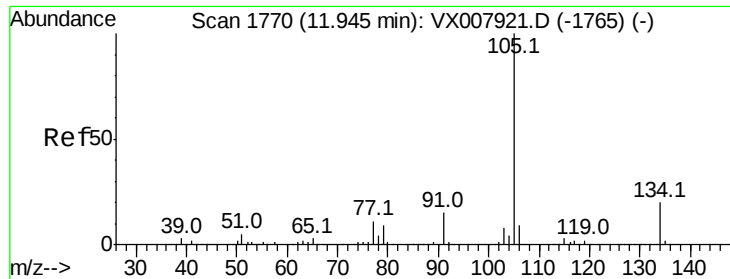
MMDadoda
3/11/2019 9:31:04 AM



#80
1,2,4-Trimethylbenzene
Concen: 146.625 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	0.0	94.0





#81

sec-Butylbenzene

Concen: 147.079 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1919956

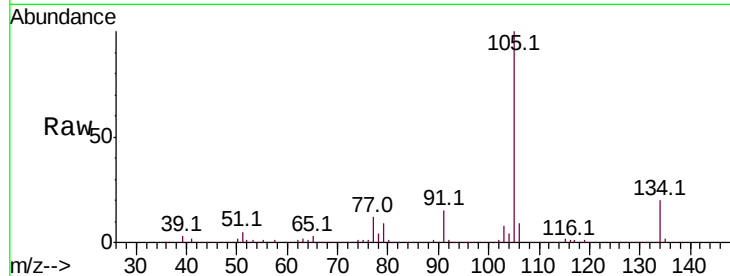
Ion Ratio Lower Upper

105 100

134 20.6 0.0 41.8

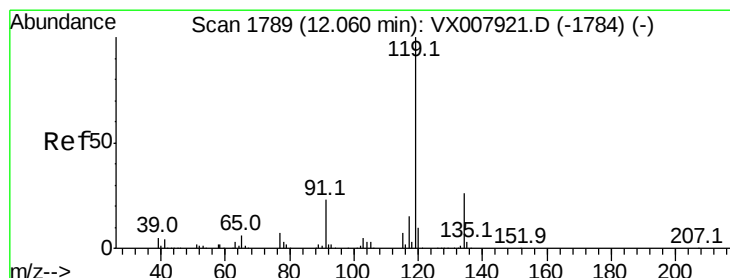
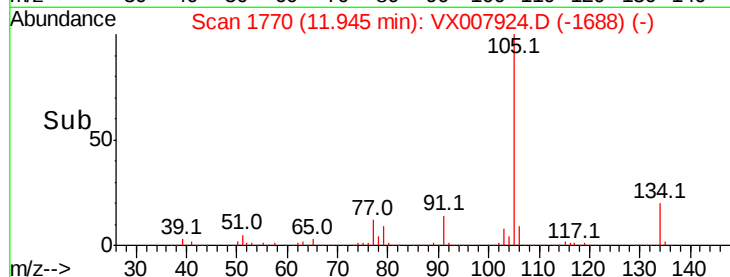
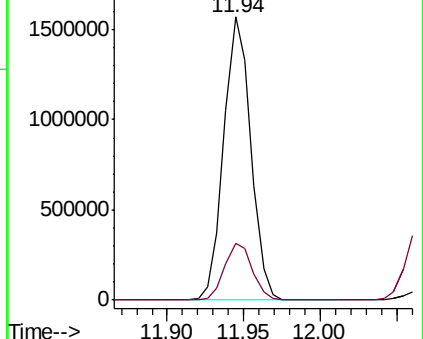
Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:31:04 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 148.000 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

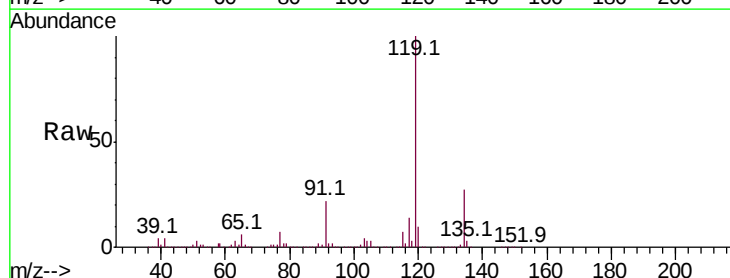
Tgt Ion:119 Resp: 1722722

Ion Ratio Lower Upper

119 100

134 26.6 0.0 55.4

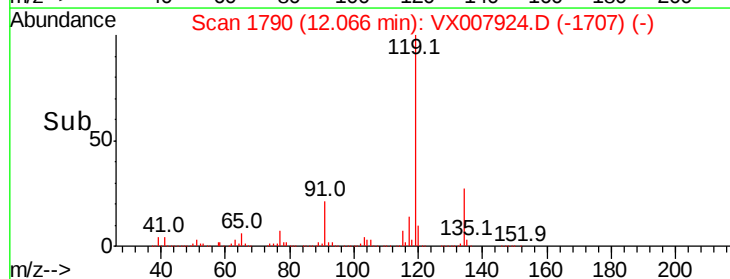
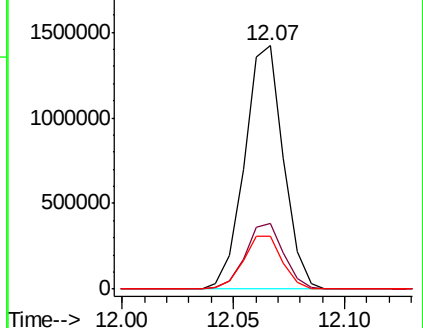
91 22.1 0.0 45.0

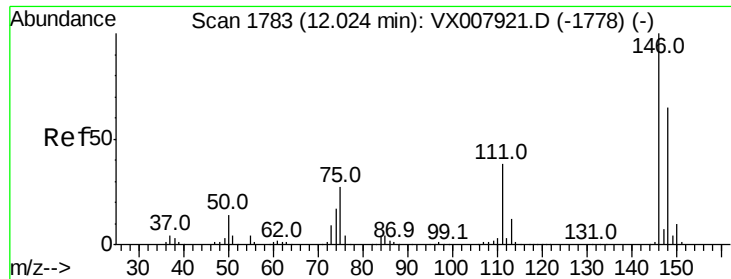


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





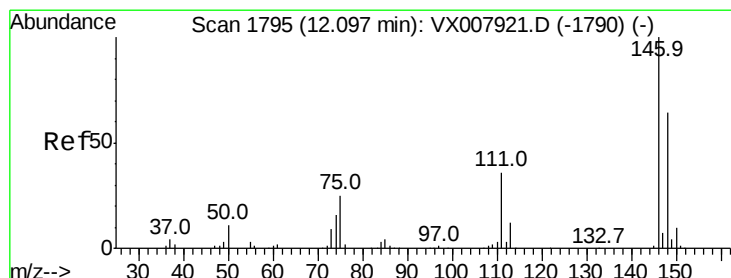
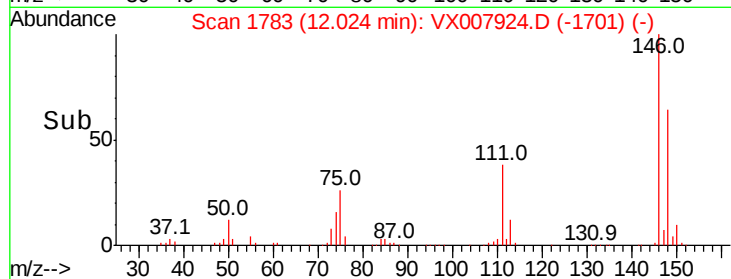
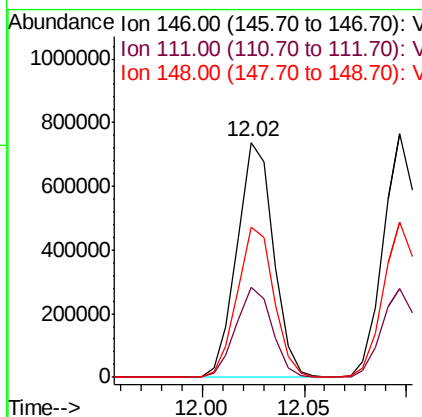
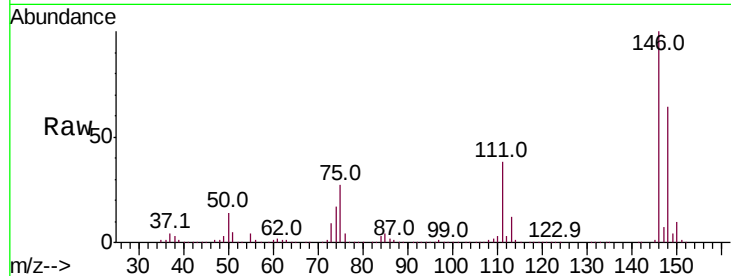
#83
 1,3-Dichlorobenzene
 Concen: 148.051 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.3
148	64.4	30.6	91.8

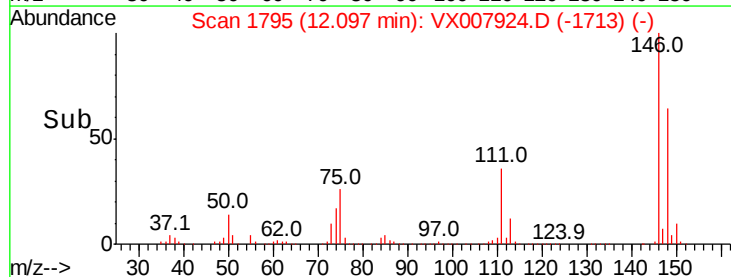
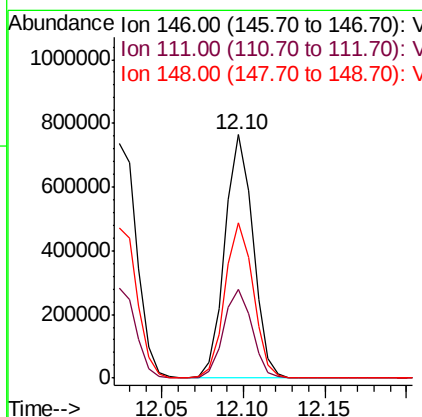
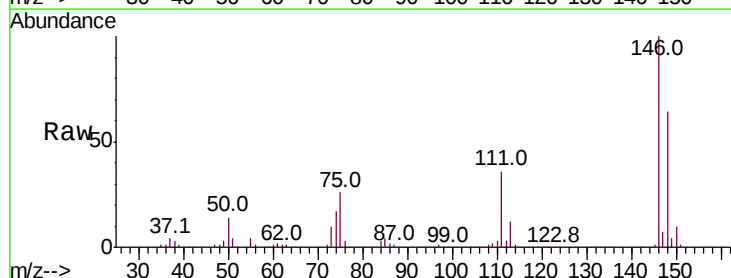
Manual Integrations
 APPROVED

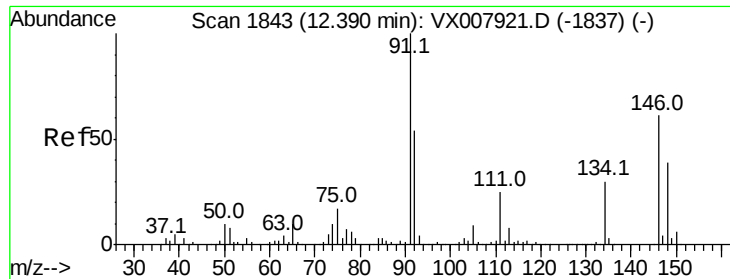
MMDadoda
 3/11/2019 9:31:04 AM



#84
 1,4-Dichlorobenzene
 Concen: 148.263 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.6	52.8
148	64.0	31.4	94.2





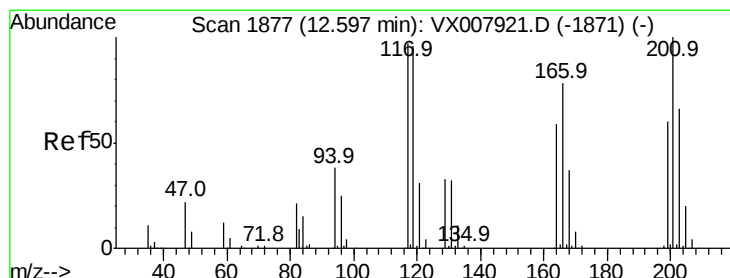
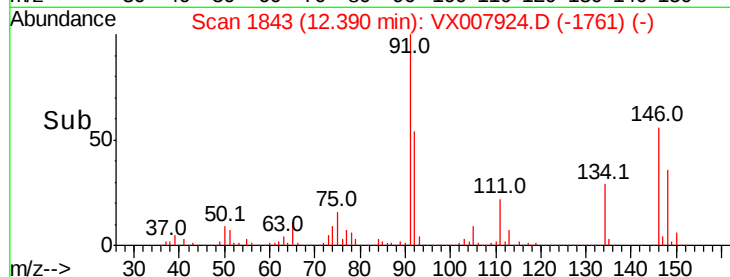
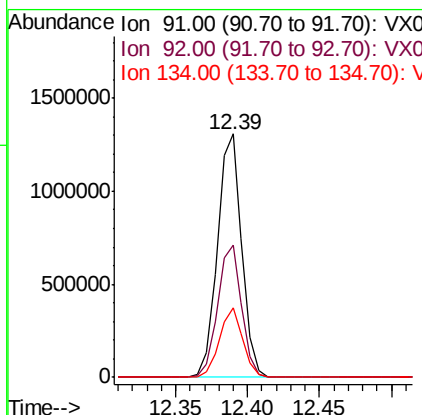
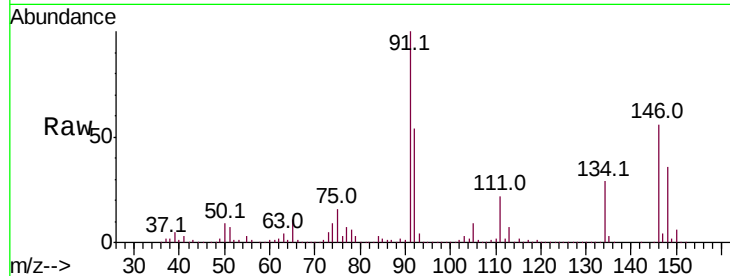
#85
n-Butylbenzene
Concen: 156.418 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1539762
Ion Ratio Lower Upper
91 100
92 53.8 0.0 105.2
134 27.5 0.0 56.4

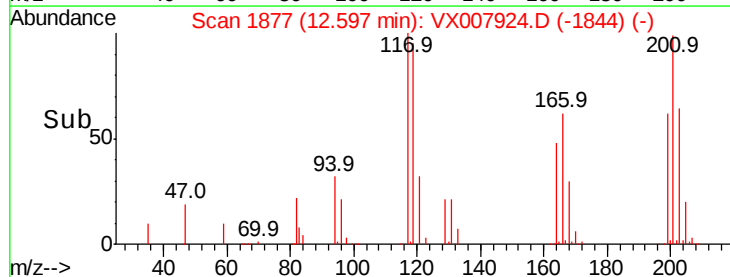
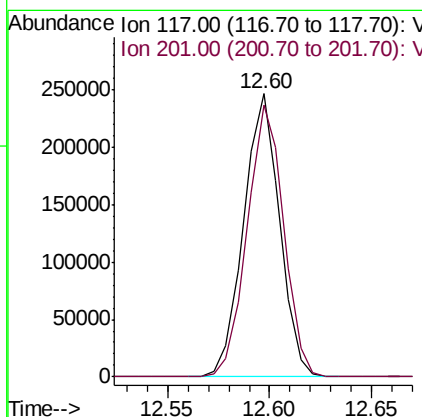
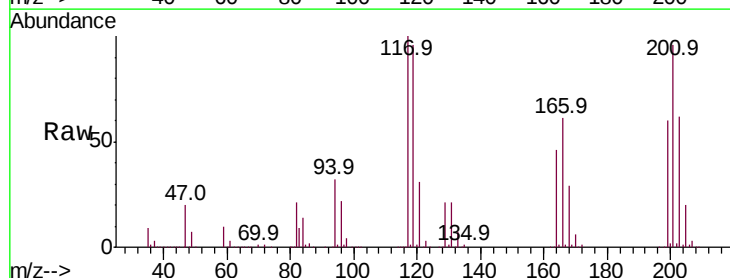
Manual Integrations
APPROVED

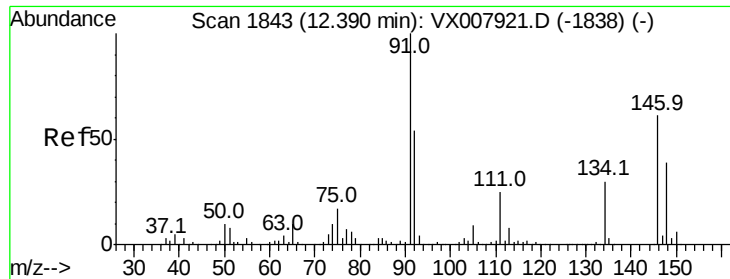
MMDadoda
3/11/2019 9:31:04 AM



#86
Hexachloroethane
Concen: 161.794 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 117 Resp: 301296
Ion Ratio Lower Upper
117 100
201 97.8 41.1 123.3





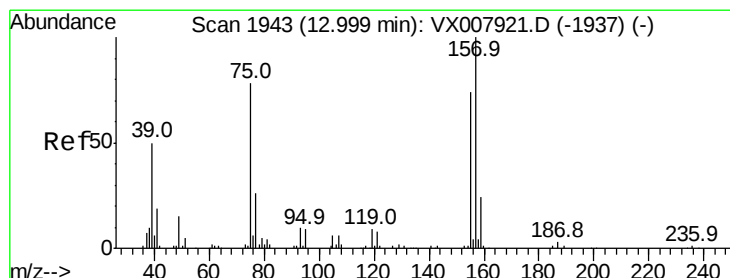
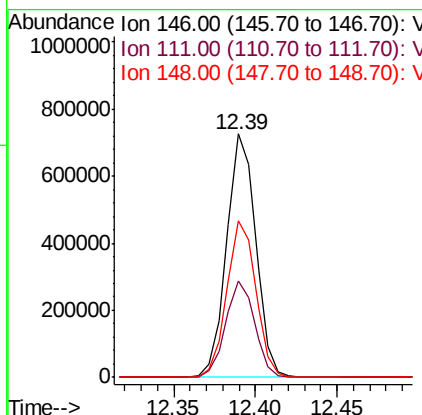
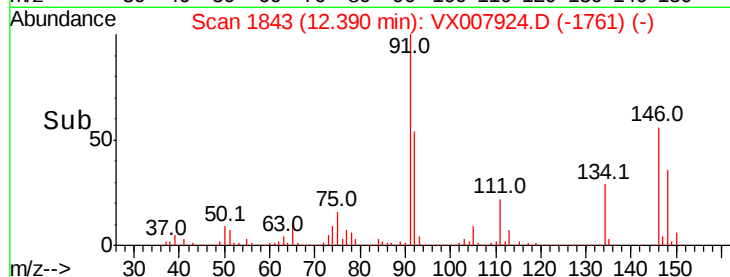
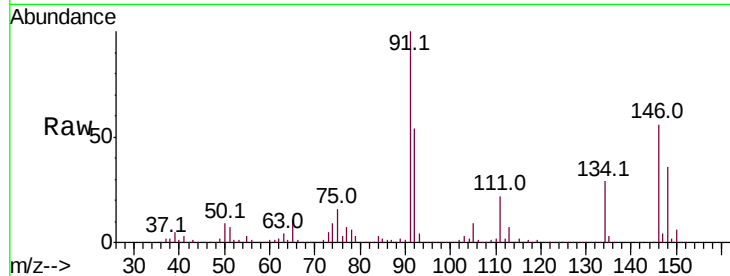
#87
 1,2-Dichlorobenzene
 Concen: 146.619 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.8
148	64.2	32.1	96.3

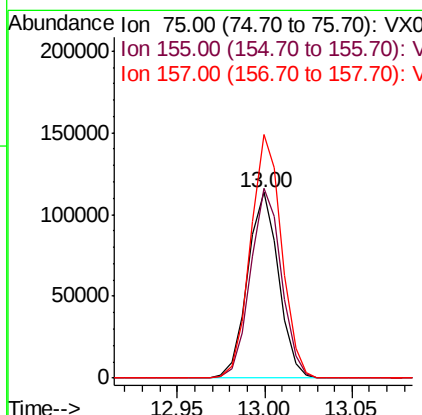
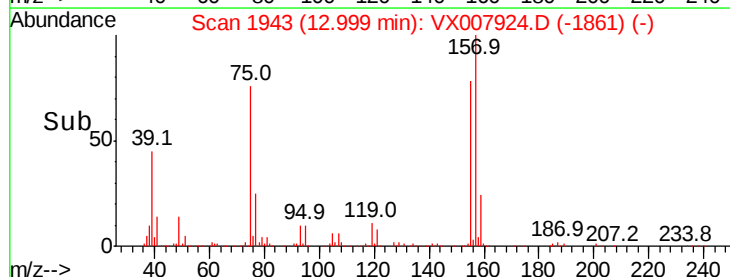
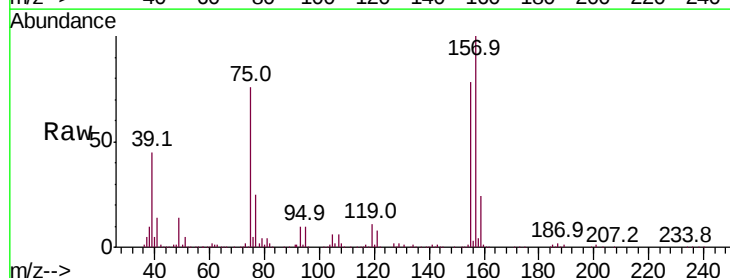
Manual Integrations
 APPROVED

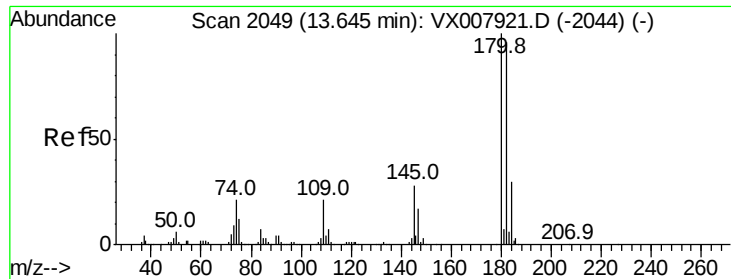
MMDadoda
 3/11/2019 9:31:04 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 160.756 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.8	81.0	121.6
157	131.1	103.2	154.8





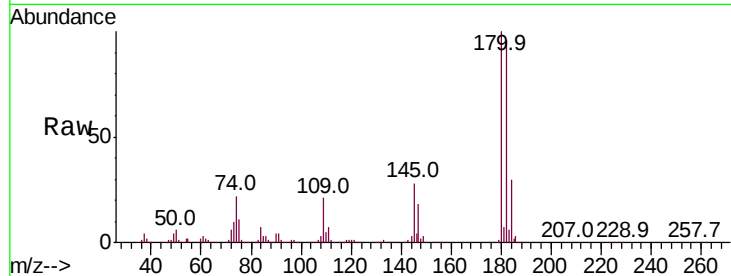
#89
1,2,4-Trichlorobenzene
Concen: 157.710 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	685025		
182	96.3	75.6	113.4	
145	28.2	23.0	34.6	

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:31:04 AM

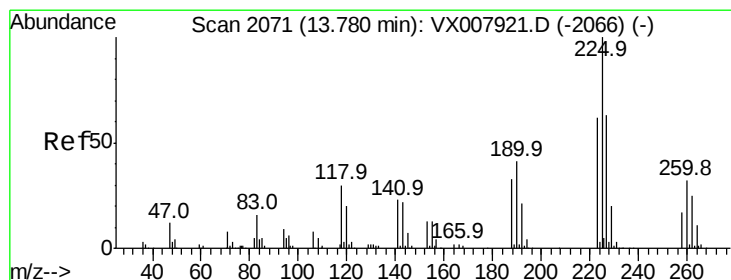
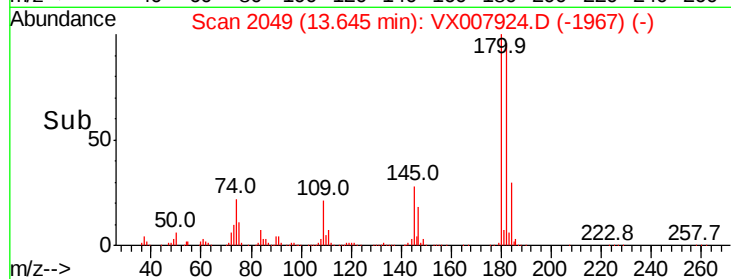
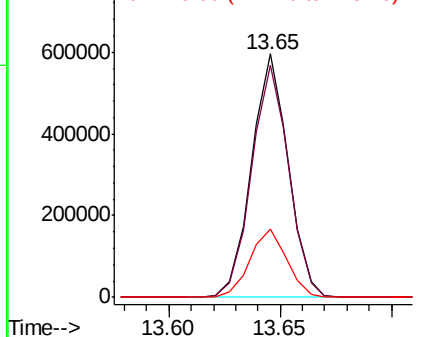


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 147.696 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

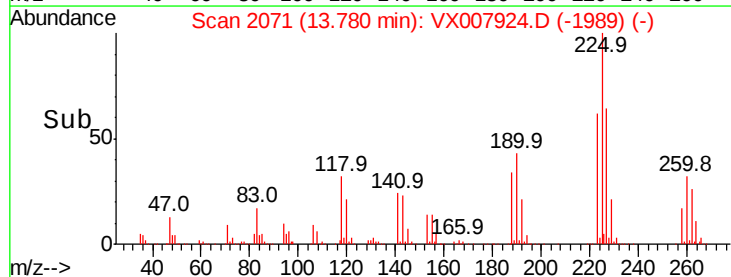
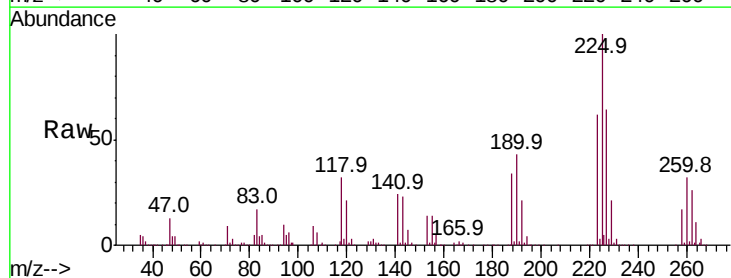
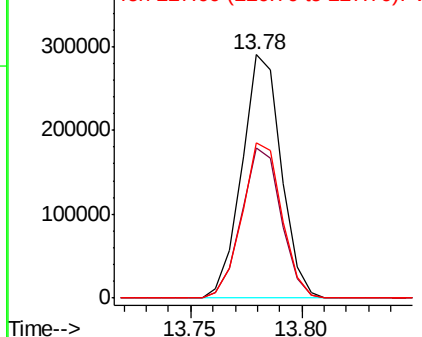
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	358563		
223	62.2	0.0	123.8	
227	64.2	0.0	124.4	

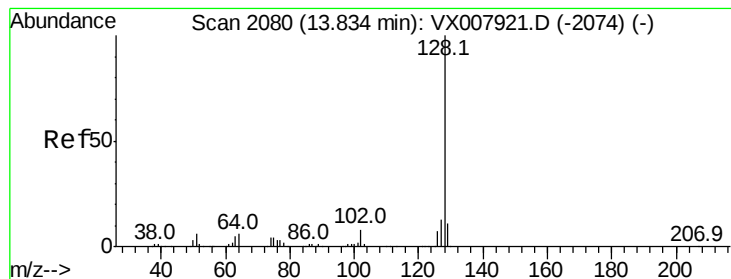
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 158.766 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1974049

Ion Ratio Lower Upper

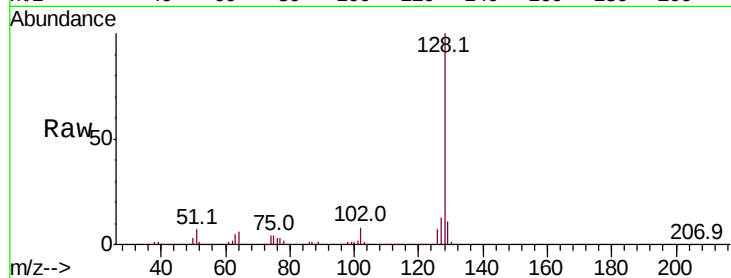
128 100

127 12.9 10.5 15.7

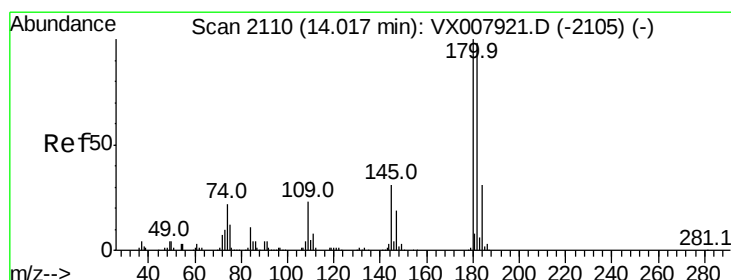
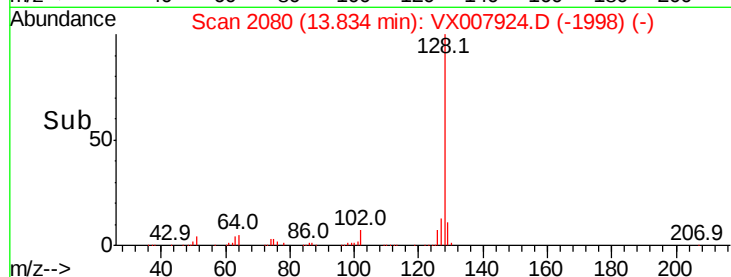
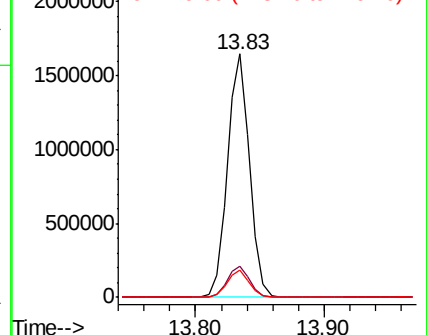
129 11.0 8.9 13.3

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:31:04 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 155.341 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

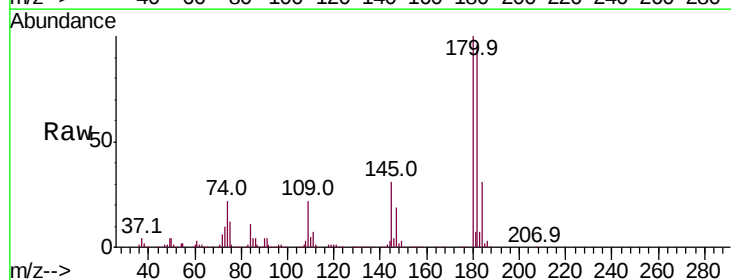
Tgt Ion:180 Resp: 672781

Ion Ratio Lower Upper

180 100

182 95.8 0.0 193.0

145 30.0 0.0 63.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

