

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008472.D
 Acq On : 27 Mar 2019 10:30
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 9:36:57 AM

Quant Time: Mar 27 11:33:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 11:27:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	39216	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	228993	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	199845	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	99628	37.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	123.93%
60) 4-Bromofluorobenzene	11.13	95	103843	31.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.40%
63) Toluene-d8	8.71	98	293662	32.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	53841	25.588	ug/l 97
3) Chloromethane	1.32	50	71199	33.094	ug/l 97
4) Vinyl Chloride	1.40	62	70297	28.991	ug/l 97
5) Bromomethane	1.64	94	33423	7.604	ug/l 96
6) Chloroethane	1.72	64	43484	25.233	ug/l 99
7) Trichlorofluoromethane	1.93	101	78642	20.374	ug/l 98
8) Diethyl Ether	2.19	74	37477	25.034	ug/l 81
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47709	22.349	ug/l 92
10) 1,1-Dichloroethene	2.37	96	49111	23.307	ug/l 84
11) Methyl Iodide	2.51	142	46249	14.519	ug/l 97
12) Methyl Acetate	3.19	43	40206	17.486	ug/l 90
13) Acrolein	2.29	56	56176	155.956	ug/l 99
14) Acrylonitrile	3.14	53	183800	161.075	ug/l 99
15) Acetone	2.44	58	63135	141.096	ug/l 92
16) Carbon Disulfide	2.57	76	151102	25.862	ug/l 99
17) Allyl chloride	2.73	41	107995	34.732	ug/l 91
18) Methylene Chloride	2.85	84	59159	26.081	ug/l 89
19) trans-1,2-Dichloroethene	3.17	96	52284	23.374	ug/l 89
20) Diisopropyl ether	3.85	45	214918	33.057	ug/l # 88
21) 1,1-Dichloroethane	3.70	63	108244	28.191	ug/l 96
22) cis-1,2-Dichloroethene	4.60	96	59892	23.215	ug/l # 81
23) tert-Butyl Alcohol	3.04	59	73780	159.269	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	180727	26.697	ug/l 98
25) Chloroform	5.21	83	98870	24.274	ug/l 95
26) Cyclohexane	5.58	56	103218	30.396	ug/l # 84
29) 1,1-Dichloropropene	5.80	75	75537	23.225	ug/l 94
30) 2-Butanone	4.67	43	291212	155.451	ug/l 95
31) 2,2-Dichloropropane	4.59	77	74824	24.435	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	78638	20.549	ug/l # 94
33) Carbon Tetrachloride	5.79	117	65078	18.517	ug/l 97
34) Benzene	6.14	78	233926	24.146	ug/l # 96
35) Methacrylonitrile	5.04	41	55751	31.949	ug/l 92
36) 1,2-Dichloroethane	6.19	62	83341	23.339	ug/l 97
37) Trichloroethene	7.21	130	52484	18.425	ug/l 82
38) Methylcyclohexane	7.46	83	94502	23.184	ug/l 88
39) 1,2-Dichloropropane	7.51	63	66193	26.851	ug/l 100
40) Dibromomethane	7.66	93	37752	20.880	ug/l 88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032719\
 Data File : VX008472.D
 Acq On : 27 Mar 2019 10:30
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 9:36:57 AM

Quant Time: Mar 27 11:33:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 11:27:58 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	73966	21.559	ug/l	99
42) Vinyl Acetate	3.81	43	955715	151.785	ug/l #	94
43) Ethyl Acetate	4.83	43	103332	31.249	ug/l #	83
44) Isopropyl Acetate	6.45	43	161415	31.018	ug/l	98
45) 1,4-Dioxane	7.74	88	33196	507.167	ug/l #	83
46) Methyl methacrylate	7.77	41	81573	31.946	ug/l	87
47) n-amyl Acetate	10.90	43	141276	31.665	ug/l	93
48) t-1,3-Dichloropropene	9.04	75	79931	23.270	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	92347	24.093	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	55124	21.223	ug/l	98
51) Ethyl methacrylate	9.18	69	101532	26.775	ug/l	93
52) 1,3-Dichloropropane	9.37	76	101136	24.278	ug/l	99
53) Dibromochloromethane	9.58	129	53345	18.219	ug/l	100
54) 1,2-Dibromoethane	9.67	107	57625	20.221	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	239471	125.520	ug/l #	94
56) Bromoform	10.85	173	37500	16.223	ug/l #	98
58) 4-Methyl-2-Pentanone	8.64	43	526074	156.347	ug/l	96
59) 2-Hexanone	9.49	43	430160	161.612	ug/l	97
61) Tetrachloroethene	9.34	164	43700	16.245	ug/l	97
62) Toluene	8.78	91	242812	22.890	ug/l	100
64) Chlorobenzene	10.13	112	139720	20.431	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	48583	18.601	ug/l	98
66) Ethyl Benzene	10.25	91	266843	23.260	ug/l	94
67) m/p-Xylenes	10.36	106	193932	42.533	ug/l	90
68) o-Xylene	10.69	106	95276	21.752	ug/l	93
69) Styrene	10.71	104	162036	21.912	ug/l	96
70) Isopropylbenzene	11.02	105	248779	21.588	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	93473	23.787	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	81505m	25.748	ug/l	
73) Bromobenzene	11.26	156	58289	18.281	ug/l	77
74) n-propylbenzene	11.36	91	294475	22.925	ug/l	94
75) 2-Chlorotoluene	11.42	91	176212	22.971	ug/l	89
76) 1,3,5-Trimethylbenzene	11.51	105	211387	21.472	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	27447	24.476	ug/l	98
78) 4-Chlorotoluene	11.51	91	198034	21.935	ug/l	91
79) tert-butylbenzene	12.06	119	216093	20.867	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	210550	21.523	ug/l	95
81) sec-Butylbenzene	11.94	105	241402	21.498	ug/l	96
82) p-Isopropyltoluene	12.06	119	216093	20.867	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	102298	18.485	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	101783	18.469	ug/l	96
85) n-Butylbenzene	12.38	91	199954	22.447	ug/l	97
86) Hexachloroethane	12.60	117	34553	19.360	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	103671	18.995	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	12.99	75	20767	23.085	ug/l #	75
89) 1,2,4-Trichlorobenzene	13.65	180	70184	18.170	ug/l	98
90) Hexachlorobutadiene	13.78	225	34531	17.758	ug/l	99
91) Naphthalene	13.83	128	256771	22.133	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	73394	18.795	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
Data File : VX008472.D
Acq On : 27 Mar 2019 10:30
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

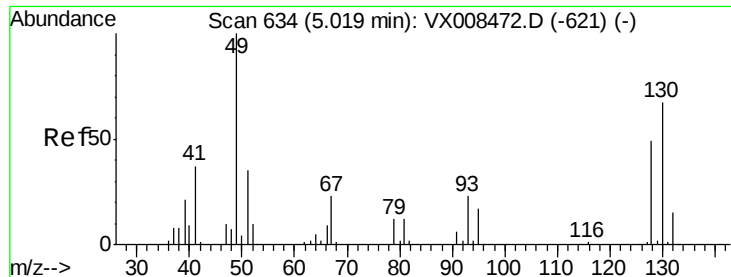
Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM

Quant Time: Mar 27 11:33:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 11:27:58 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: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:128 Resp: 39216

Ion Ratio Lower Upper

128 100

49 209.3 0.0 350.8

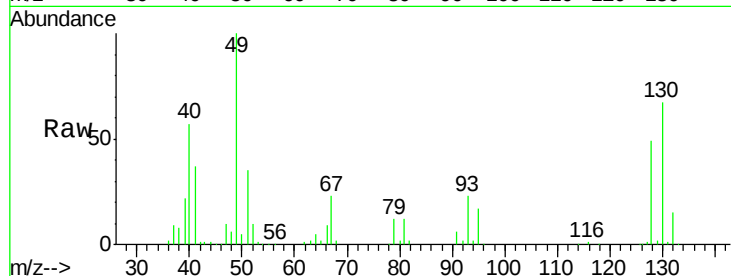
130 130.6 0.0 325.8

Manual Integrations

APPROVED

MMDadoda

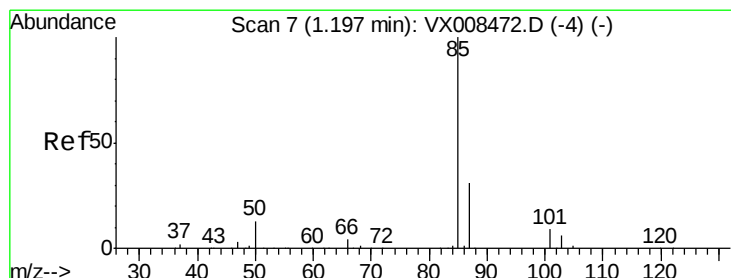
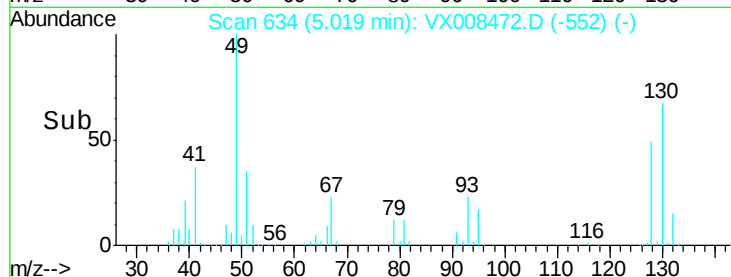
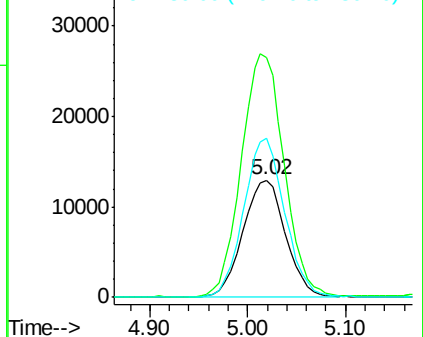
3/28/2019 9:36:57 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 25.588 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008472.D

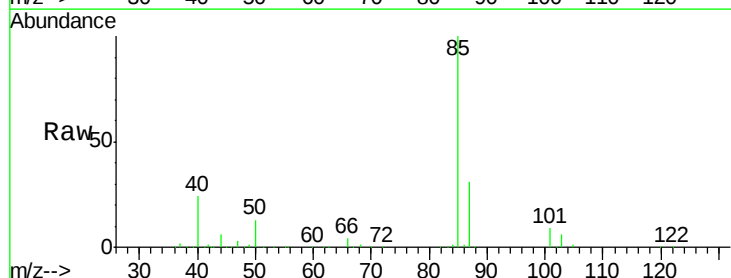
Acq: 27 Mar 2019 10:30

Tgt Ion: 85 Resp: 53841

Ion Ratio Lower Upper

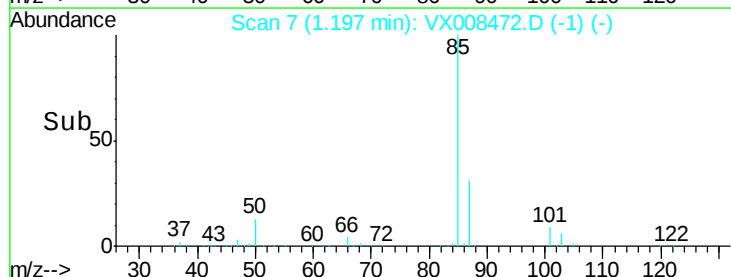
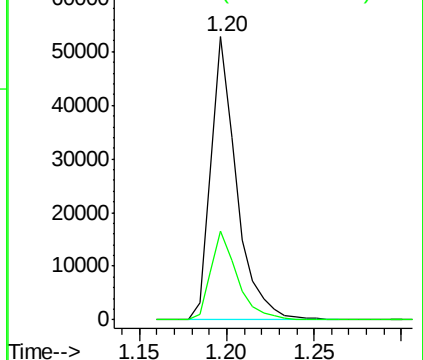
85 100

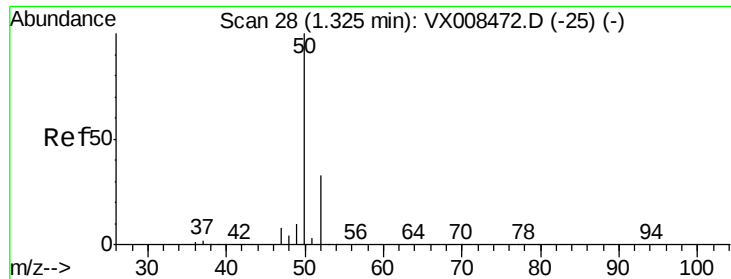
87 31.3 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 33.094 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 71199

Ion Ratio Lower Upper

50 100

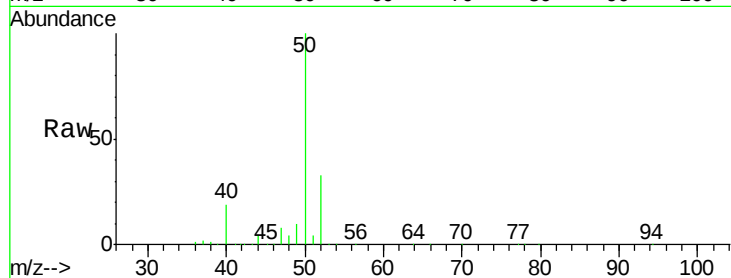
52 32.9 27.5 41.3

Manual Integrations

APPROVED

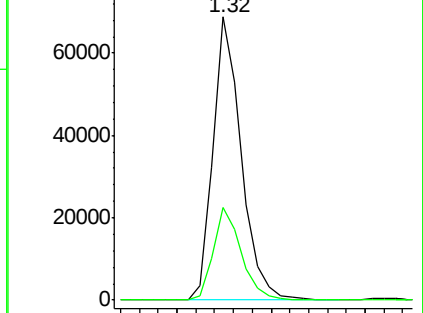
MMDadoda

3/28/2019 9:36:57 AM

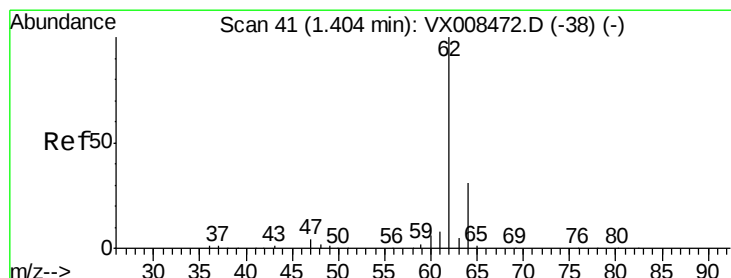
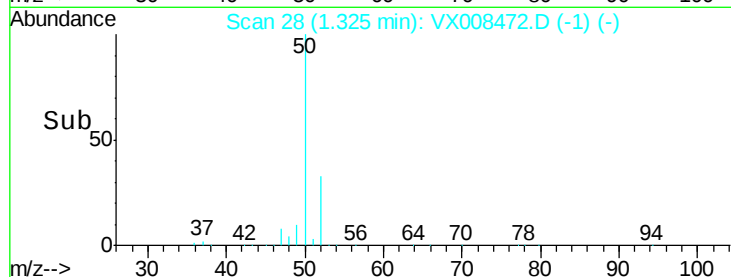


Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



Time-->



#4

Vinyl Chloride

Concen: 28.991 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008472.D

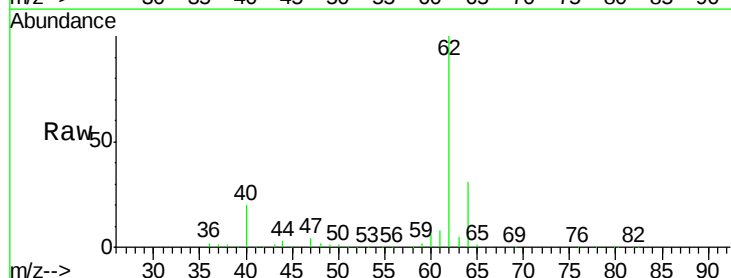
Acq: 27 Mar 2019 10:30

Tgt Ion: 62 Resp: 70297

Ion Ratio Lower Upper

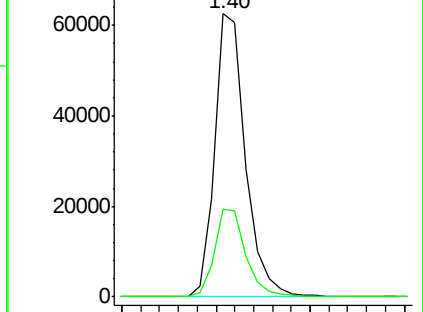
62 100

64 31.0 25.9 38.9

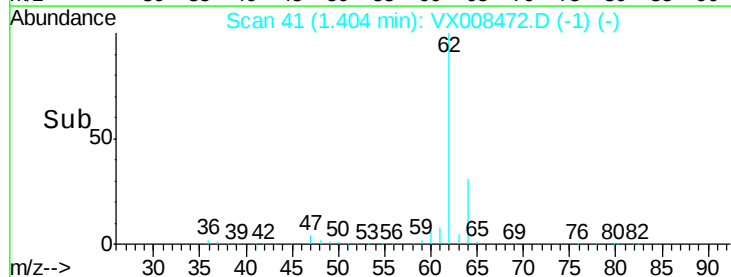


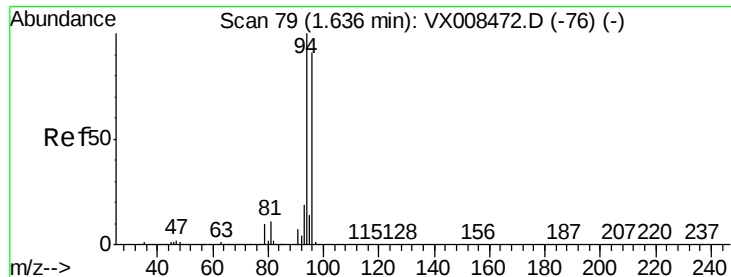
Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0



Time-->





#5

Bromomethane

Concen: 7.604 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 33423

Ion Ratio Lower Upper

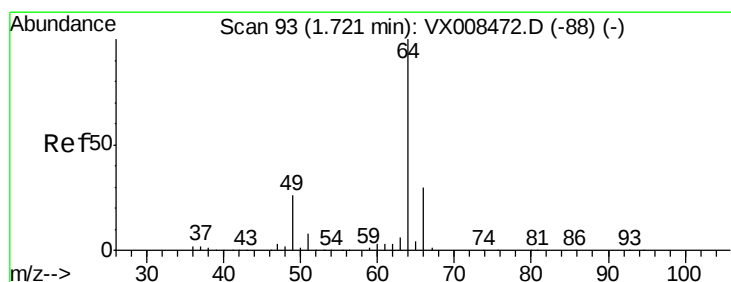
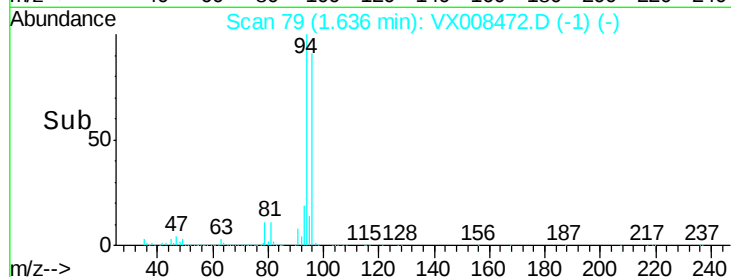
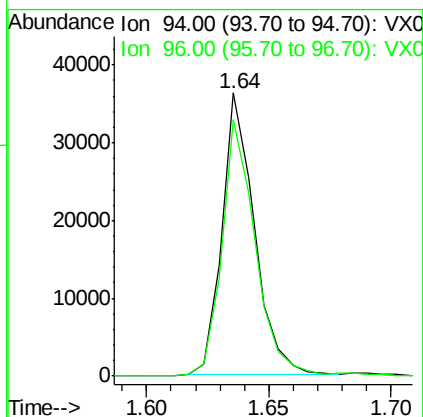
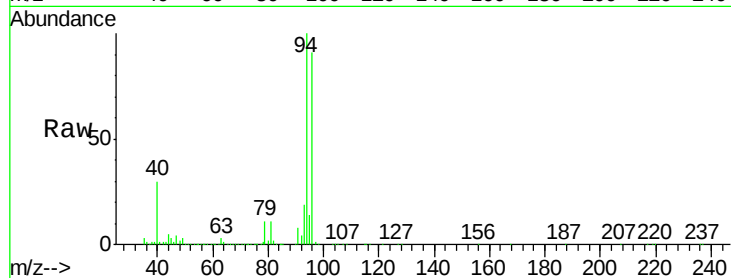
94 100

96 90.8 75.6 113.4

Manual Integrations
APPROVED

MMDadoda

3/28/2019 9:36:57 AM



#6

Chloroethane

Concen: 25.233 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008472.D

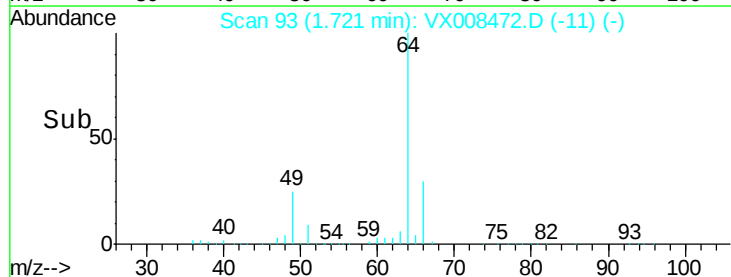
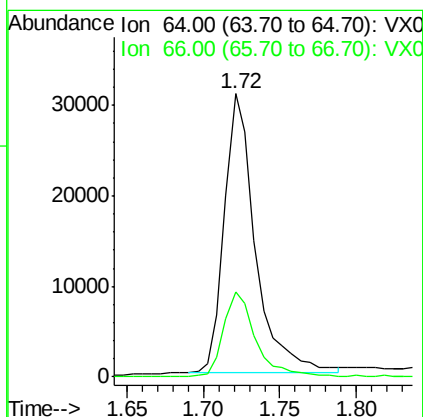
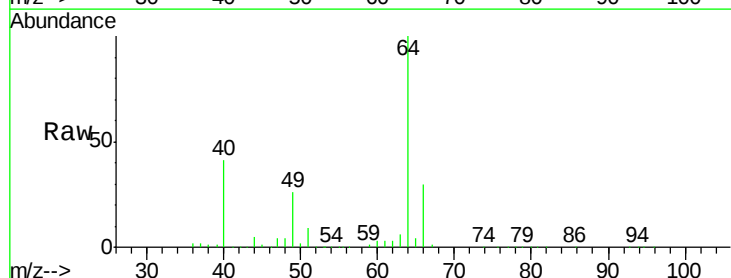
Acq: 27 Mar 2019 10:30

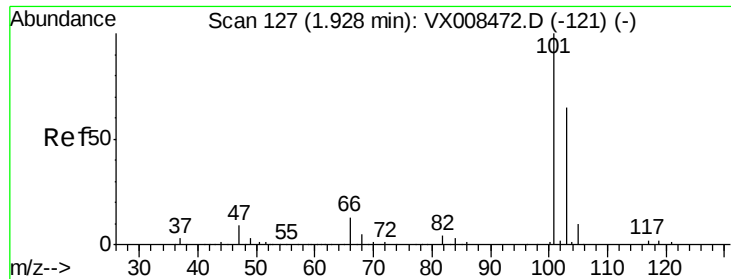
Tgt Ion: 64 Resp: 43484

Ion Ratio Lower Upper

64 100

66 30.3 23.9 35.9





#7

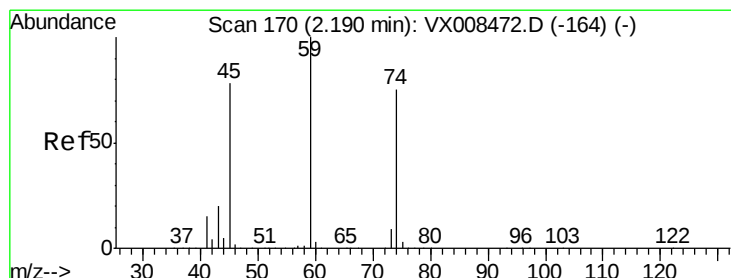
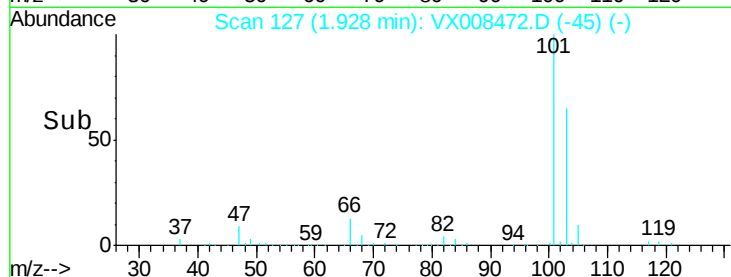
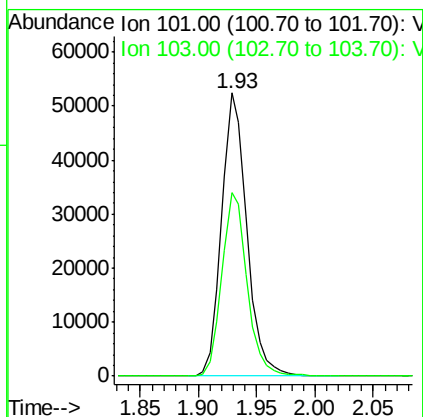
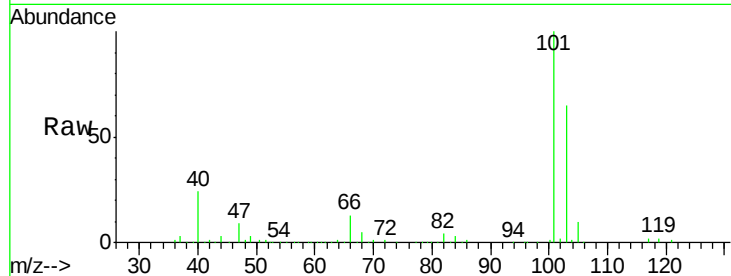
Trichlorofluoromethane
Concen: 20.374 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:101 Resp: 78642
Ion Ratio Lower Upper
101 100
103 64.9 50.4 75.6

Manual Integrations
APPROVED

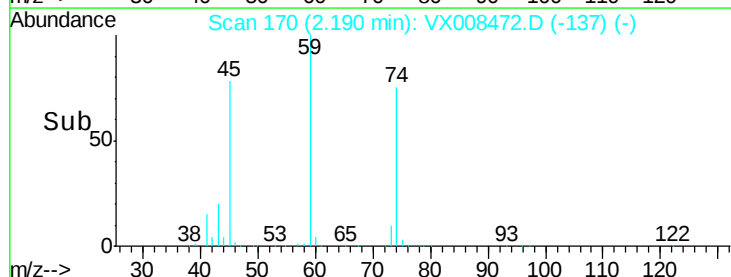
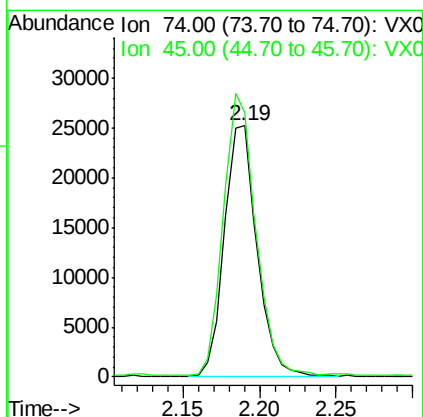
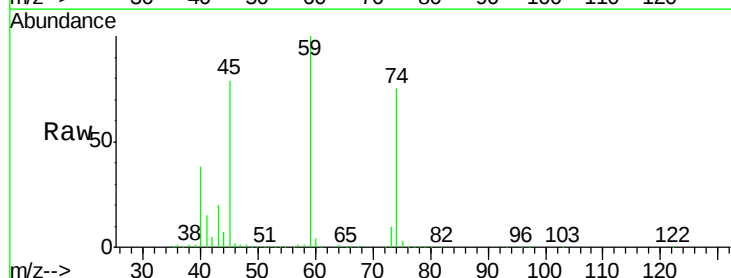
MMDadoda
3/28/2019 9:36:57 AM

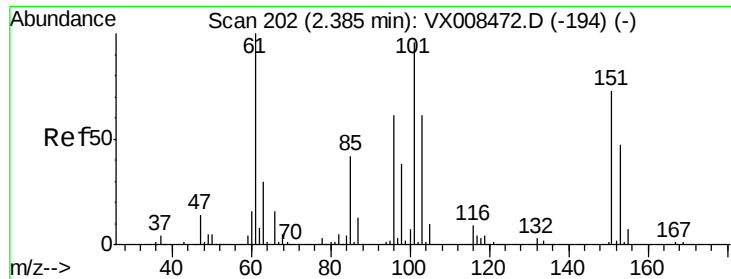


#8

Diethyl Ether
Concen: 25.034 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion: 74 Resp: 37477
Ion Ratio Lower Upper
74 100
45 111.8 18.6 167.8





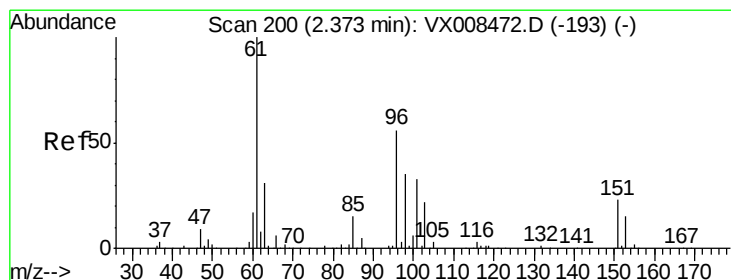
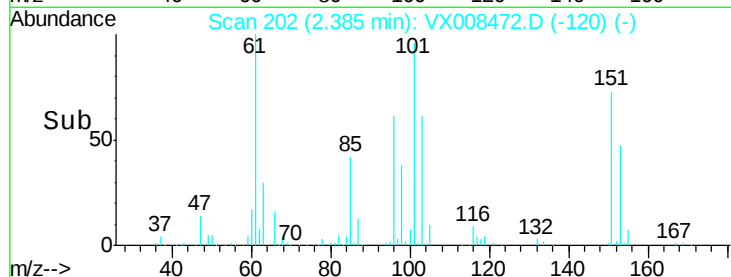
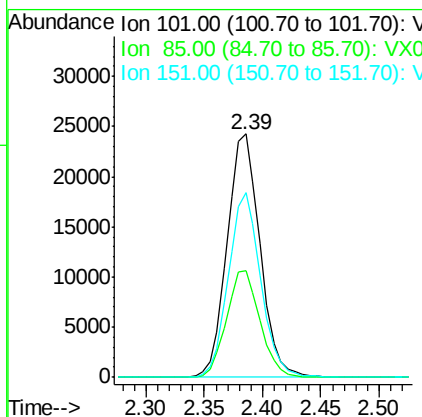
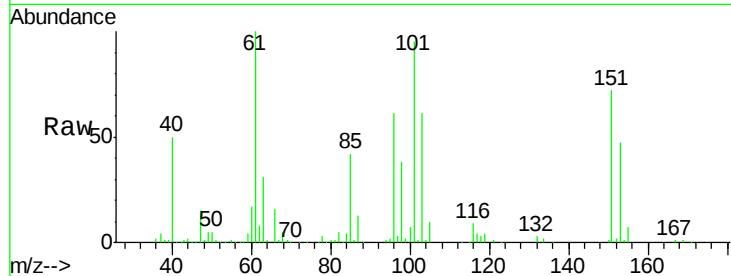
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.349 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.6	0.0	86.8
151	74.7	0.0	169.2

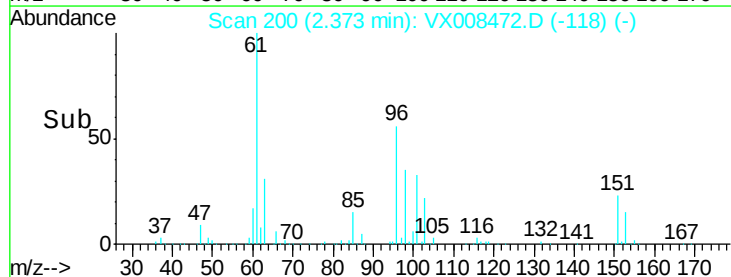
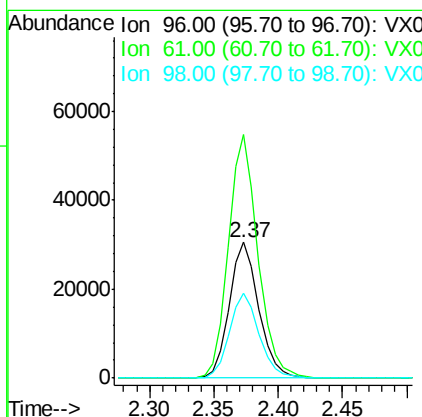
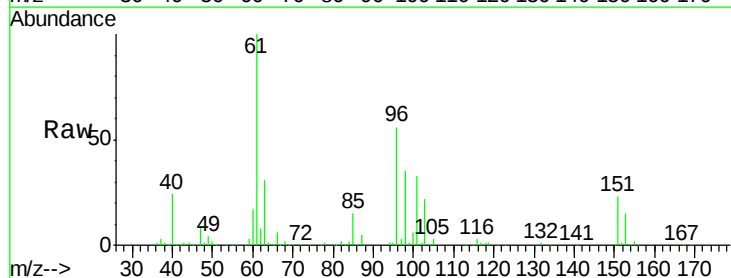
Manual Integrations
 APPROVED

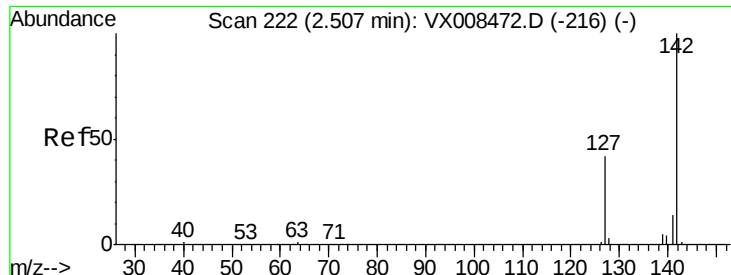
MMDadoda
 3/28/2019 9:36:57 AM



#10
 1,1-Dichloroethene
 Concen: 23.307 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.8	120.2	180.2
98	62.0	49.0	73.4





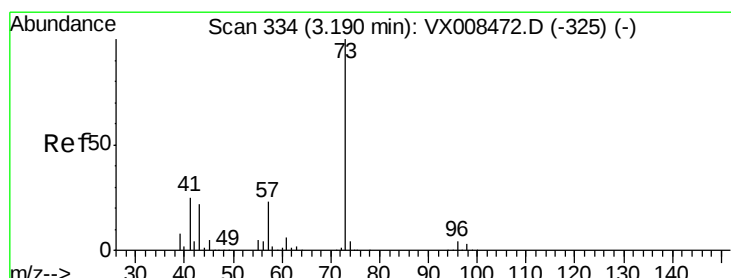
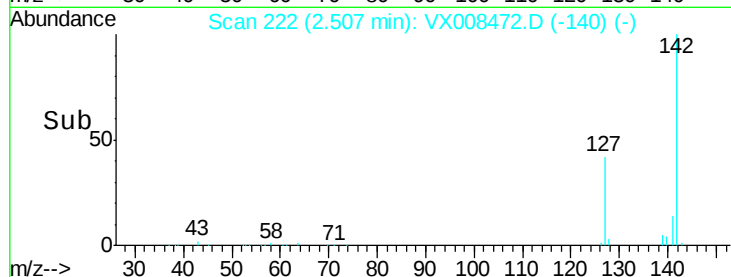
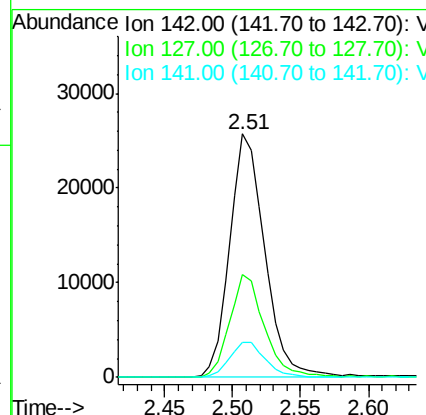
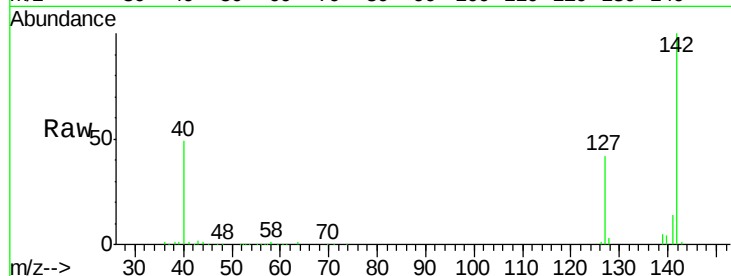
#11
Methyl Iodide
Concen: 14.519 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.3	22.1	66.5
141	14.3	7.4	22.3

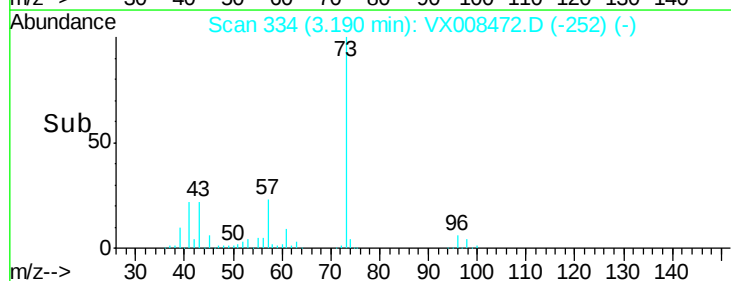
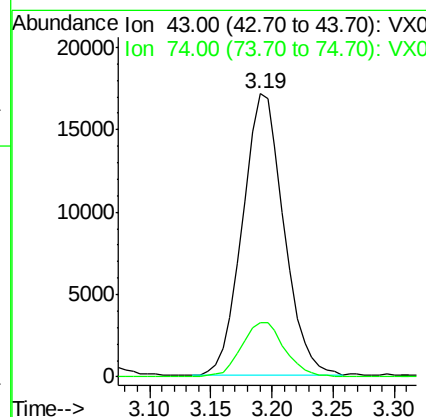
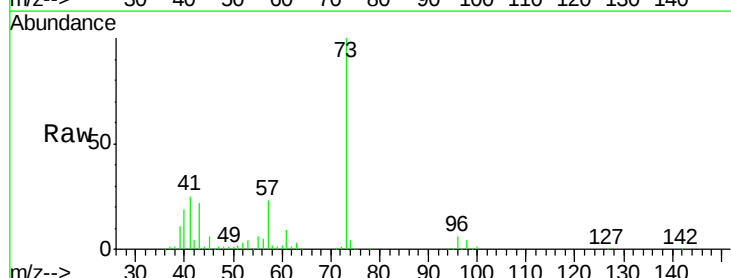
Manual Integrations
APPROVED

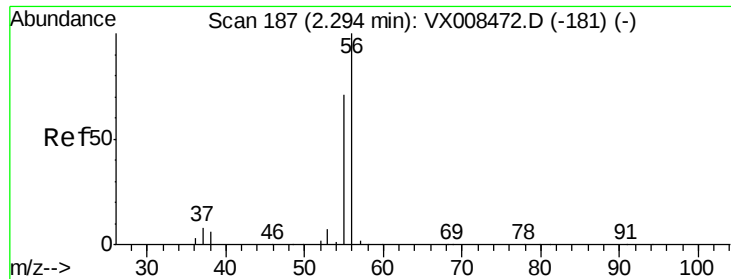
MMDadoda
3/28/2019 9:36:57 AM



#12
Methyl Acetate
Concen: 17.486 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	19.4	29.0





#13

Acrolein

Concen: 155.956 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 56176

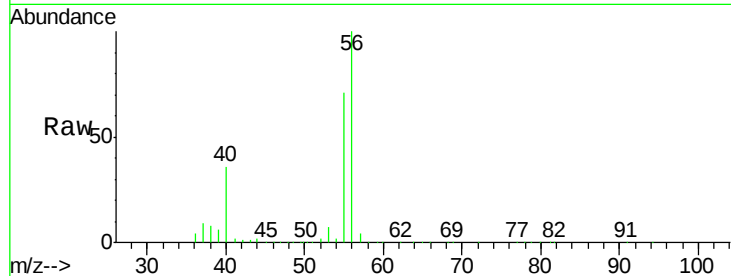
Ion Ratio Lower Upper

56 100

55 72.0 58.6 87.8

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM

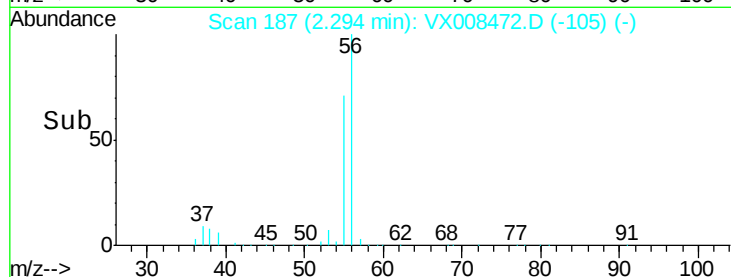


Abundance Ion 56.00 (55.70 to 56.70): VX0

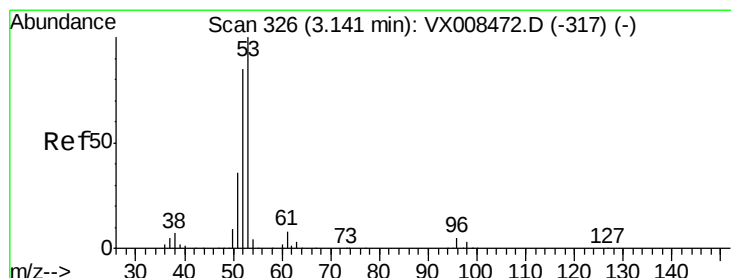
Ion 55.00 (54.70 to 55.70): VX0

2.29

Time-->



Time-->



#14

Acrylonitrile

Concen: 161.075 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

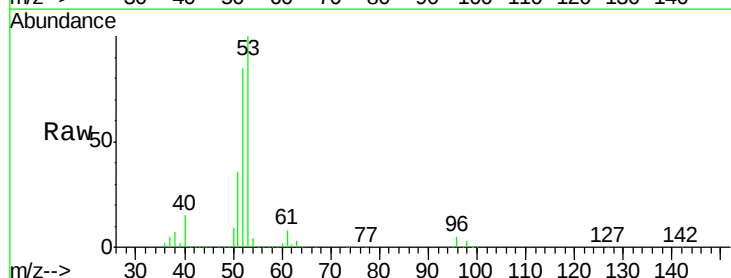
Tgt Ion: 53 Resp: 183800

Ion Ratio Lower Upper

53 100

52 83.4 41.3 124.1

51 35.9 17.5 52.6



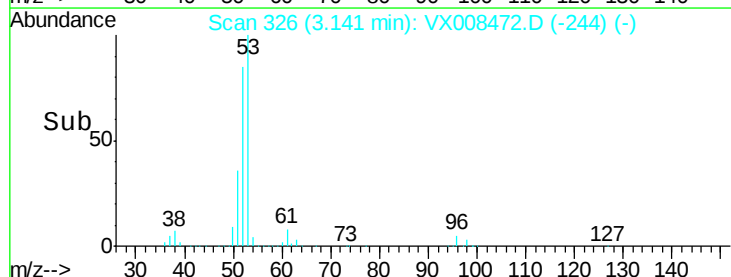
Abundance Ion 53.00 (52.70 to 53.70): VX0

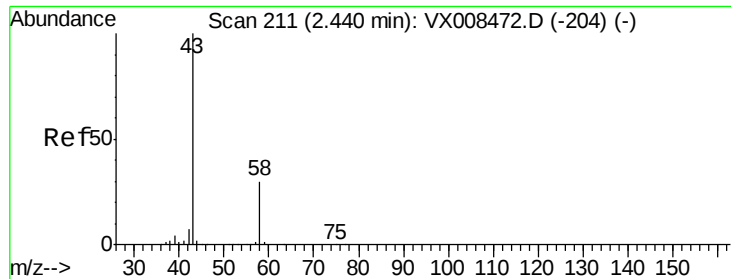
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.14

Time-->





#15

Acetone

Concen: 141.096 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 63135

Ion Ratio Lower Upper

58 100

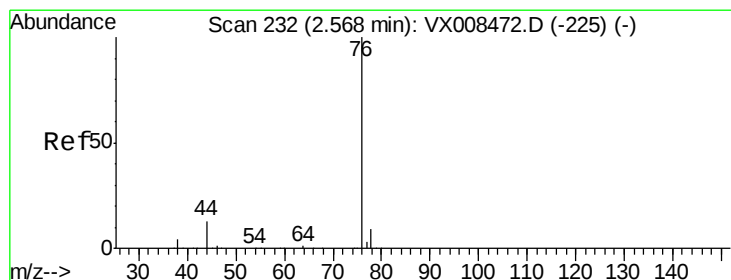
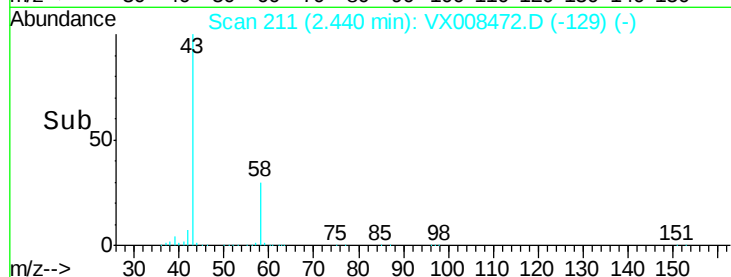
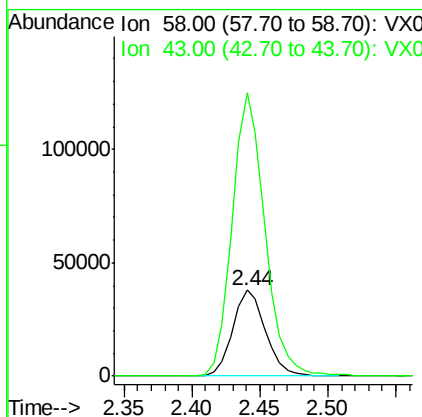
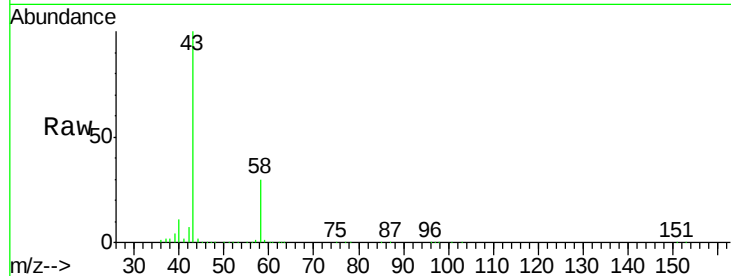
43 329.1 249.8 374.6

Manual Integrations

APPROVED

MMDadoda

3/28/2019 9:36:57 AM



#16

Carbon Disulfide

Concen: 25.862 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008472.D

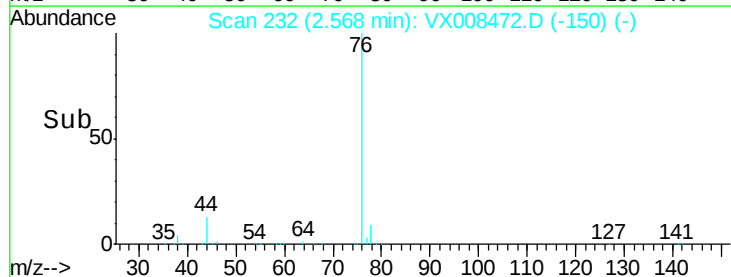
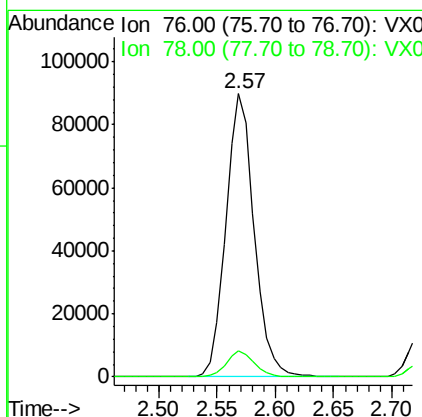
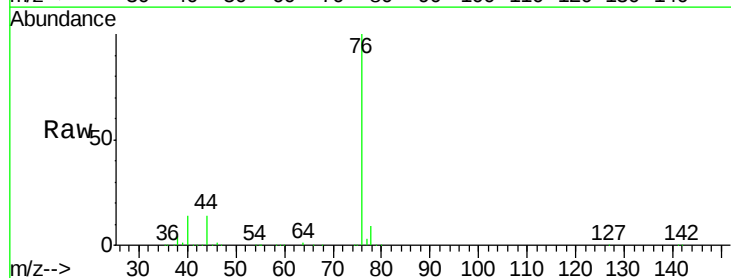
Acq: 27 Mar 2019 10:30

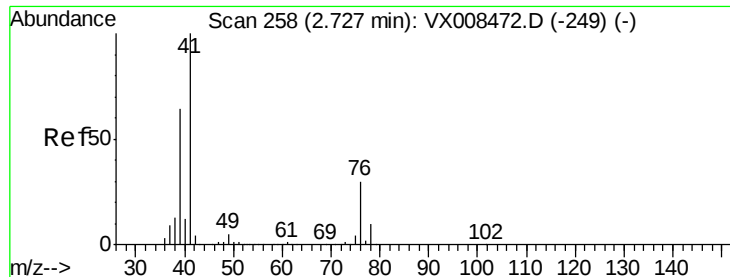
Tgt Ion: 76 Resp: 151102

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





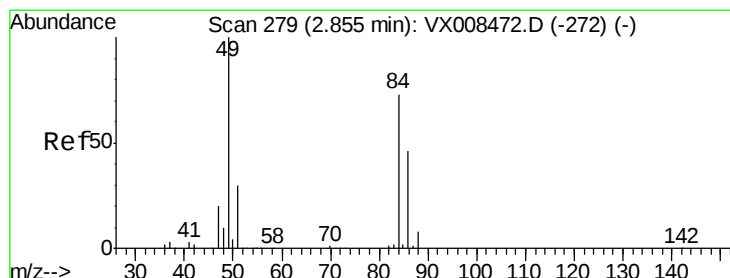
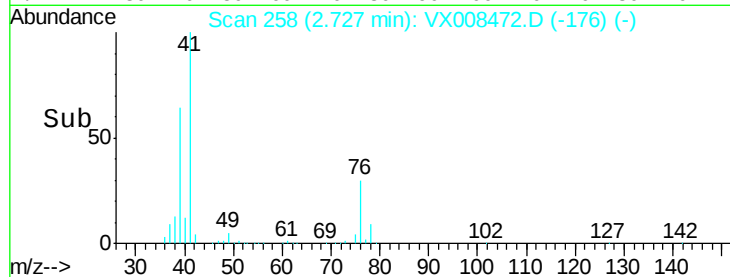
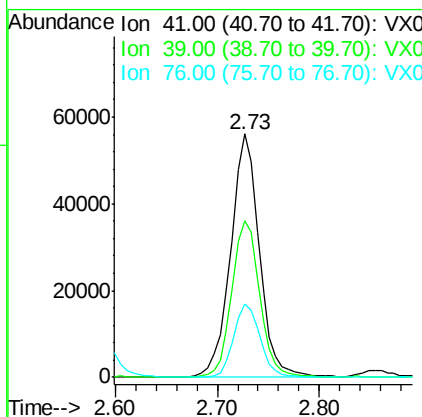
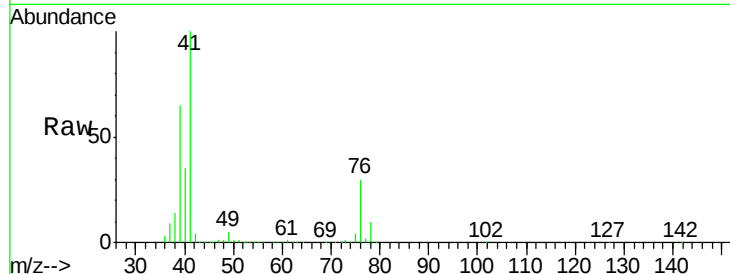
#17
Allvl chloride
Concen: 34.732 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.4	35.8	107.4
76	30.2	18.3	54.9

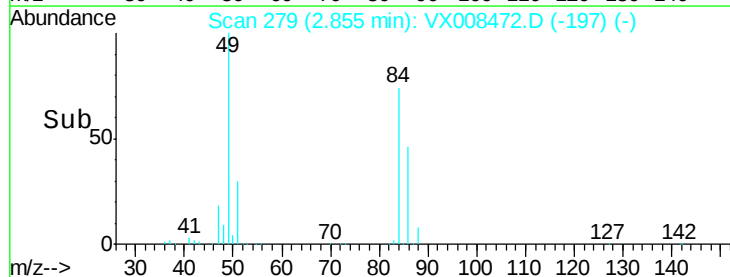
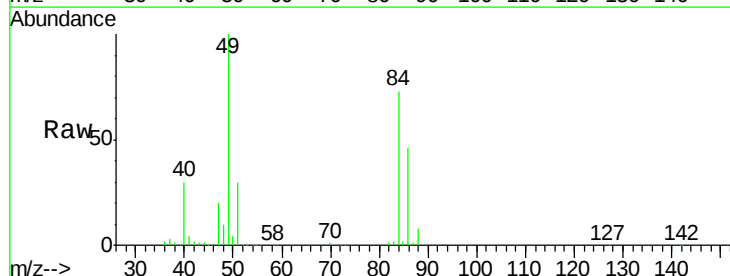
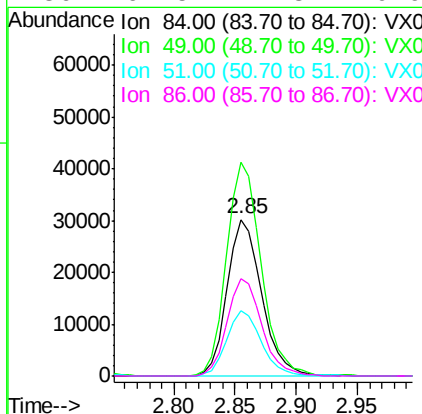
Manual Integrations
APPROVED

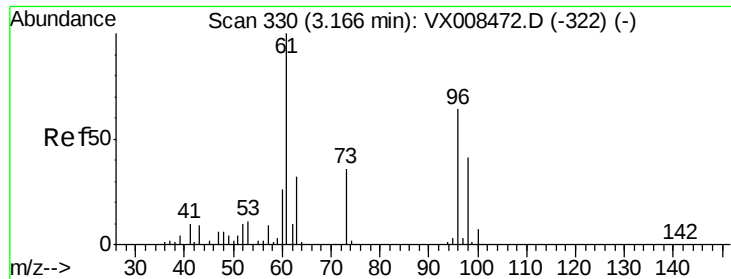
MMDadoda
3/28/2019 9:36:57 AM



#18
Methylene Chloride
Concen: 26.081 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.1	96.1	144.1
51	41.2	29.1	43.7
86	62.5	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 23.374 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

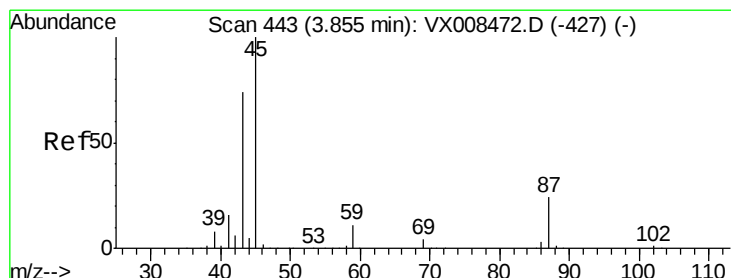
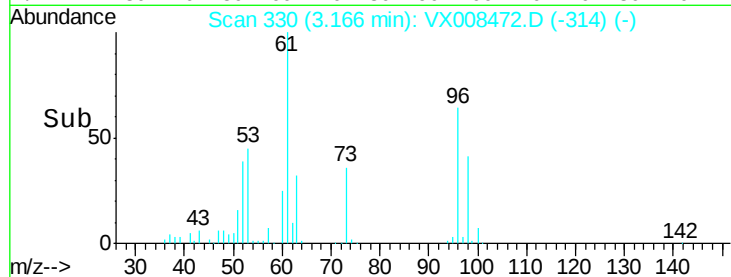
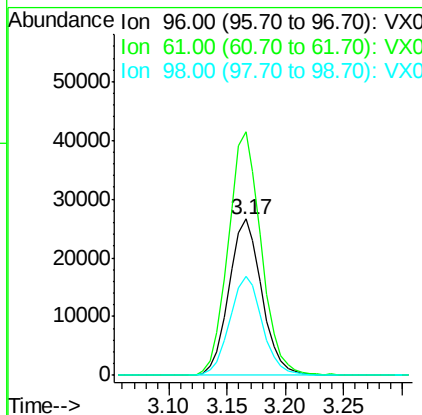
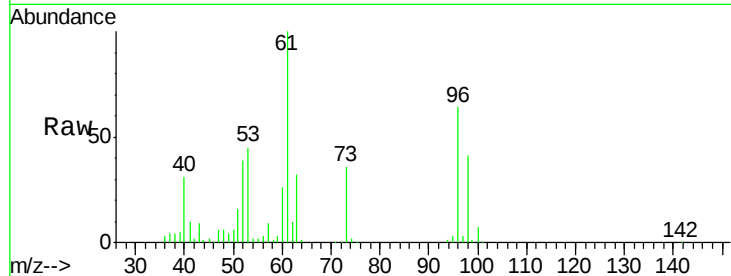
ClientSampled :

VSTDICCC020

Tot Ion:	96	Resp:	52284
Ion	Ratio	Lower	Upper
96	100		
61	155.8	109.9	164.9
98	63.6	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM



#20

Diisopropyl ether

Concen: 33.057 ug/l

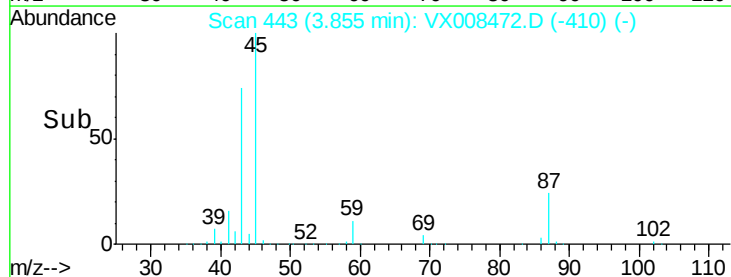
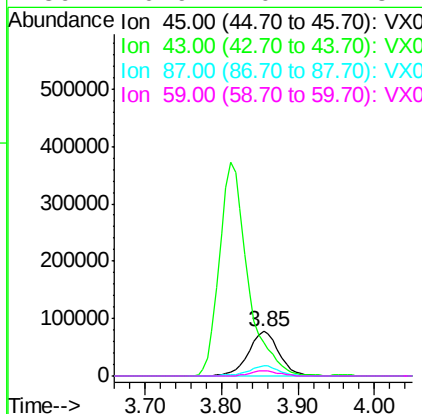
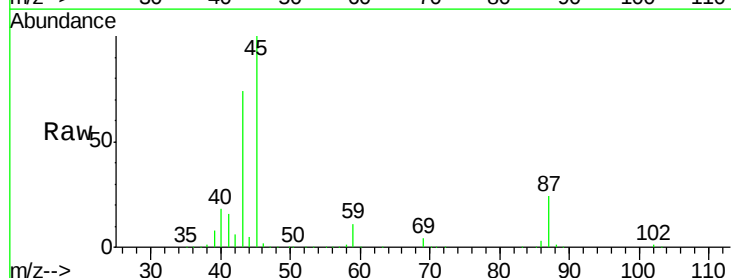
RT: 3.85 min Scan# 443

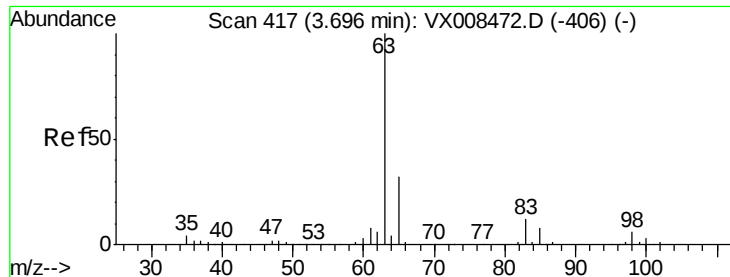
Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Tgt Ion:	45	Resp:	214918
Ion	Ratio	Lower	Upper
45	100		
43	73.5	50.6	76.0
87	23.9	24.5	36.7#
59	10.9	10.2	15.2





#21

1,1-Dichloroethane

Concen: 28.191 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

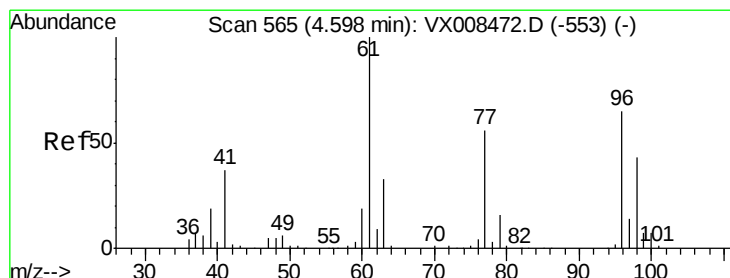
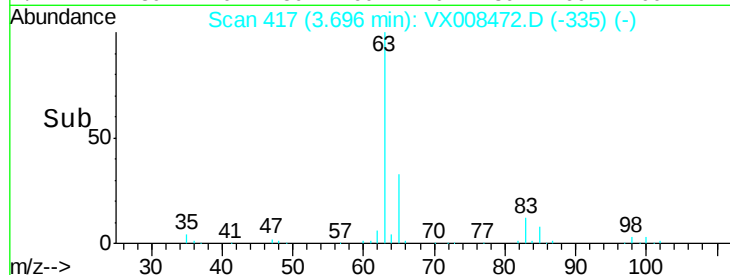
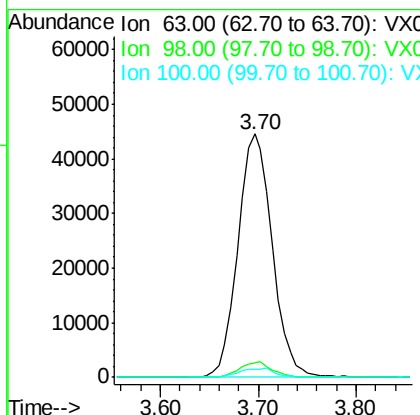
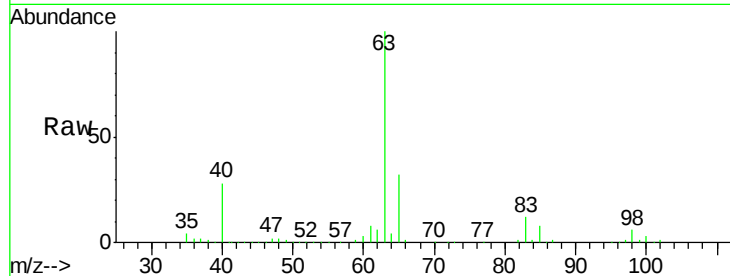
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	108244
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.8	11.4
100	3.4	2.4	7.1

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM



#22

cis-1,2-Dichloroethene

Concen: 23.215 ug/l

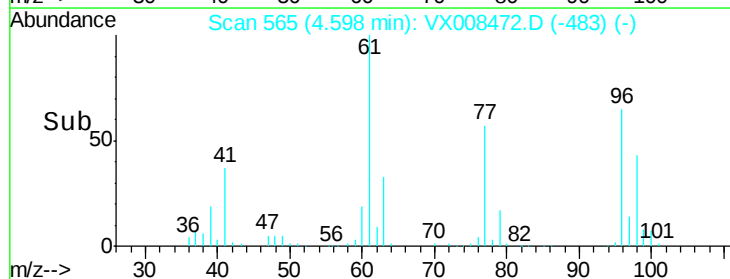
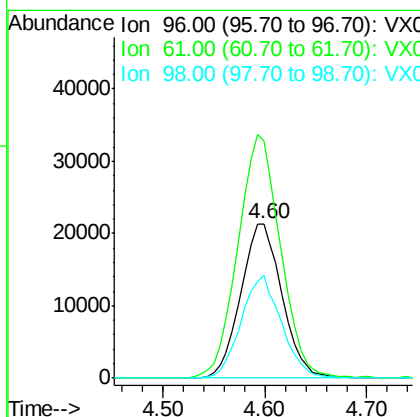
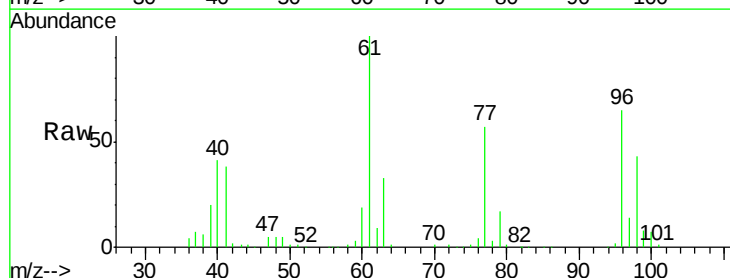
RT: 4.60 min Scan# 565

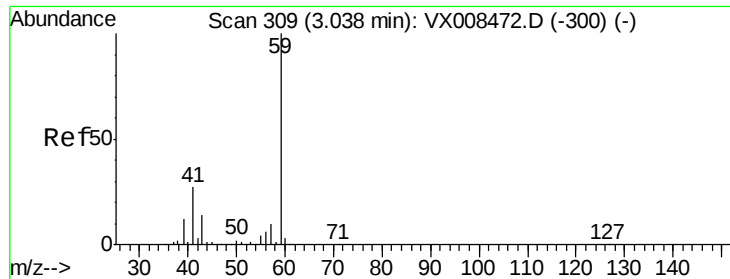
Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Tgt Ion:	96	Resp:	59892
Ion Ratio	Lower	Upper	
96	100		
61	162.9	103.5	155.3#
98	64.9	52.1	78.1





#23

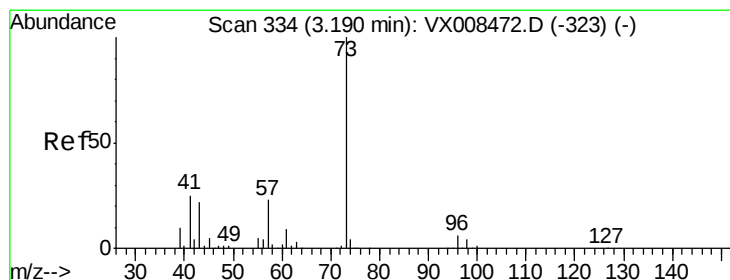
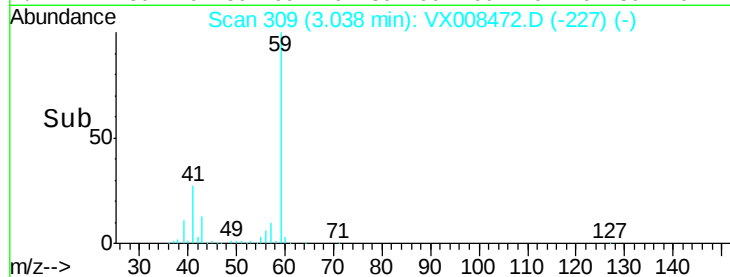
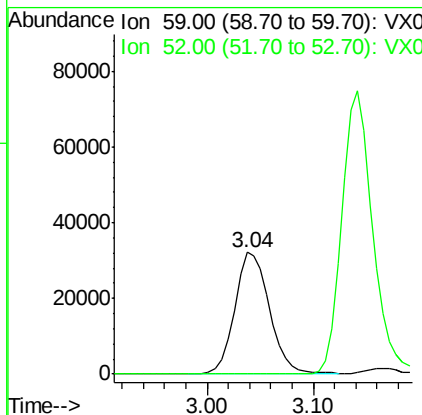
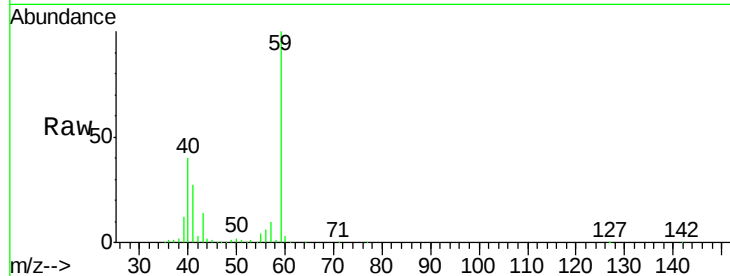
tert-Butyl Alcohol
 Concen: 159.269 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	59	52	Ratio	100	0.4	Resp	73780	Lower	Upper
Ion	59	52	Ratio	100	0.4	Resp	73780	Lower	Upper
								0.2	0.2#

Manual Integrations
 APPROVED

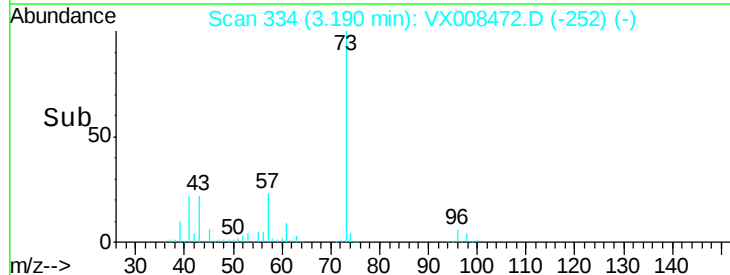
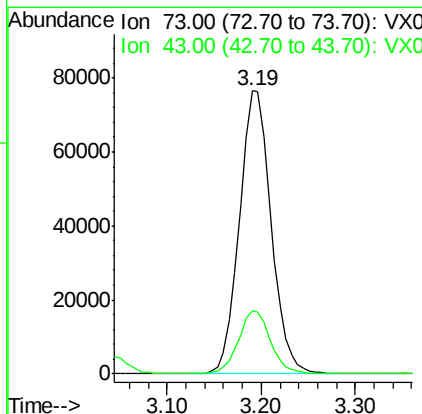
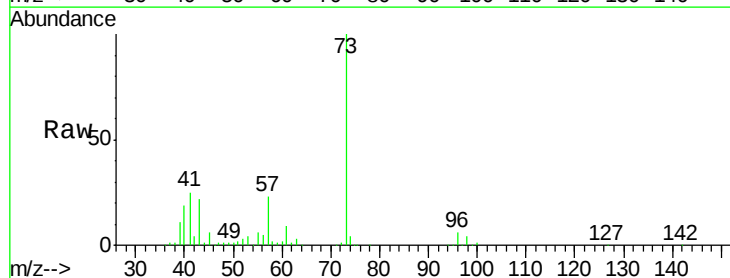
MMDadoda
 3/28/2019 9:36:57 AM

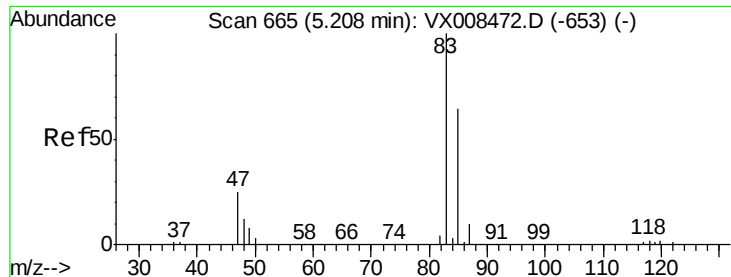


#24

Methyl tert-Butyl Ether
 Concen: 26.697 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Tgt Ion	73	43	Ratio	100	22.2	Resp	180727	Lower	Upper
Ion	73	43	Ratio	100	22.2	Resp	180727	Lower	Upper
								17.1	25.7





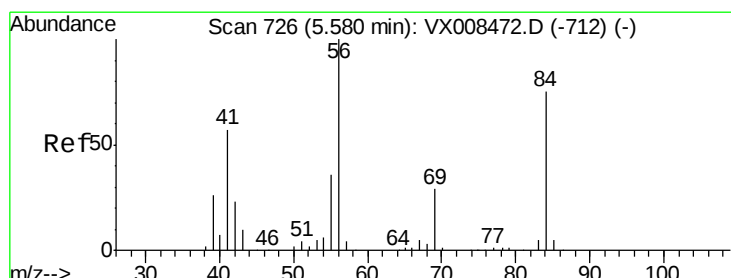
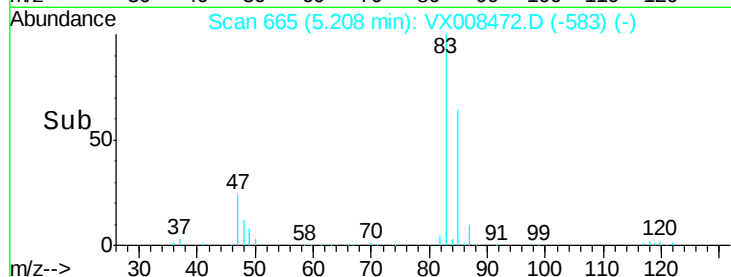
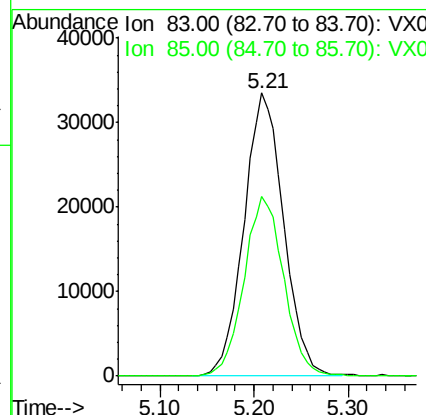
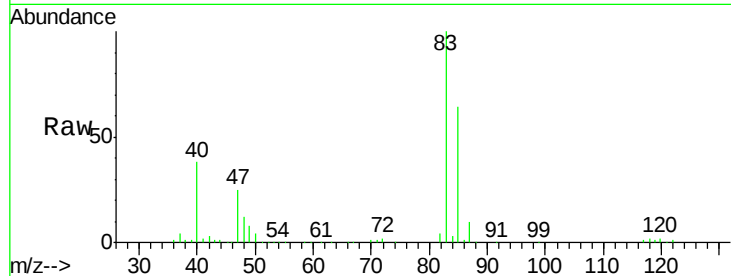
#25
Chloroform
Concen: 24.274 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion: 83 Resp: 98870
Ion Ratio Lower Upper
83 100
85 63.5 53.8 80.6

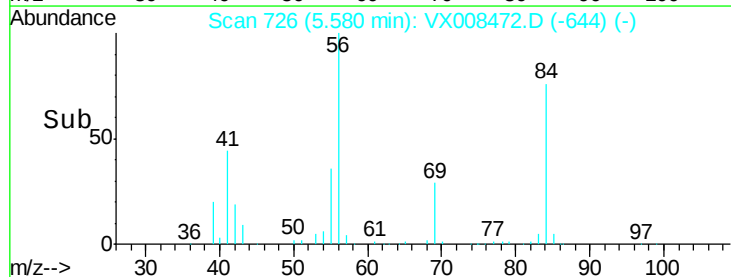
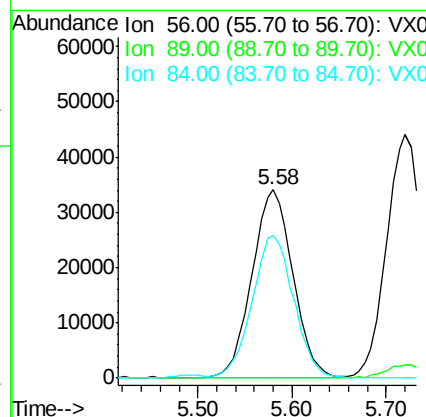
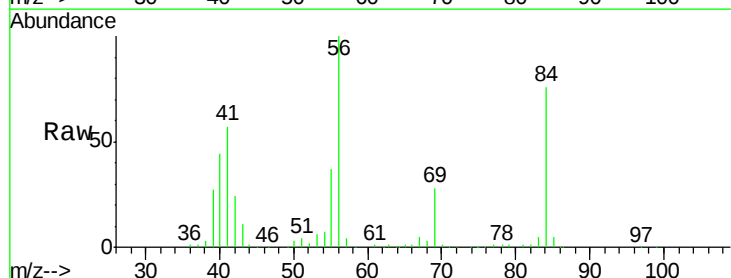
Manual Integrations
APPROVED

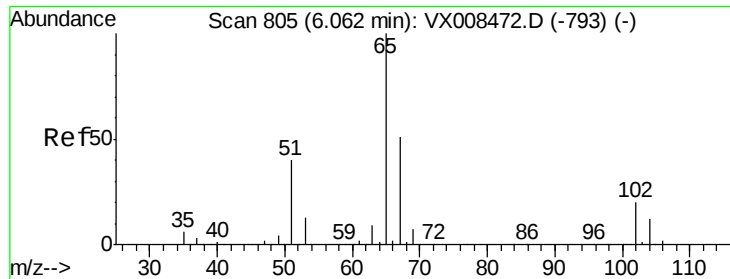
MMDadoda
3/28/2019 9:36:57 AM



#26
Cyclohexane
Concen: 30.396 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion: 56 Resp: 103218
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 77.3 73.9 110.9





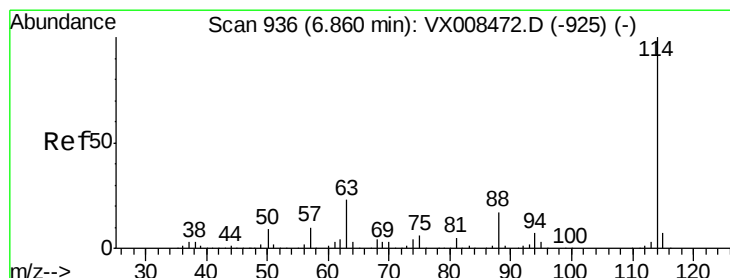
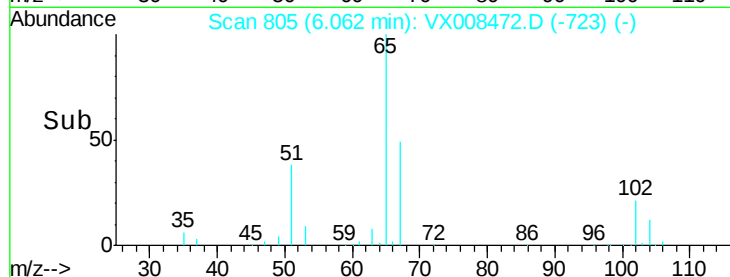
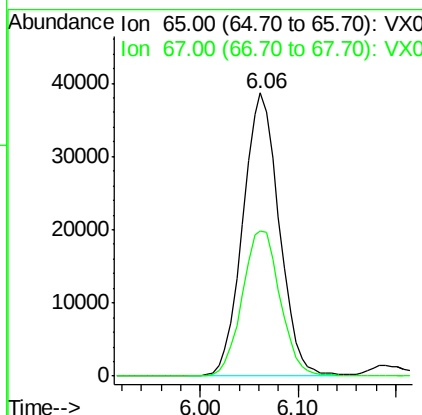
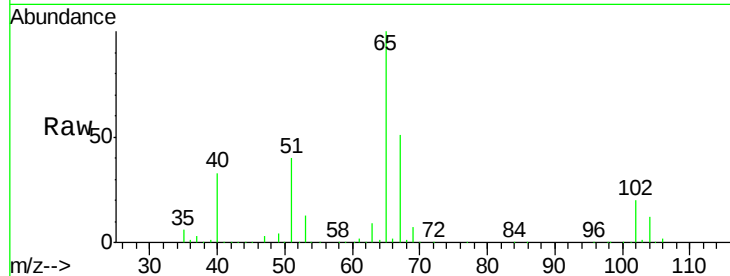
#27
 1,2-Dichloroethane-d4
 Concen: 37.177 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 65 Resp: 99628
 Ion Ratio Lower Upper
 65 100
 67 53.4 42.9 64.3

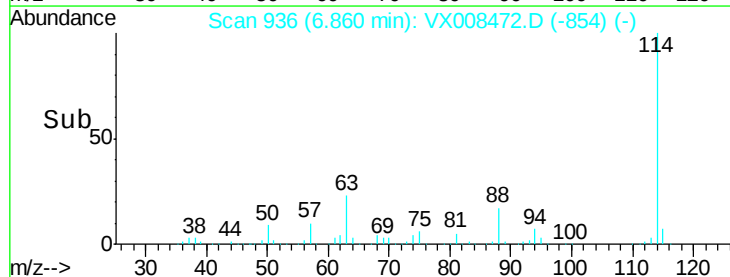
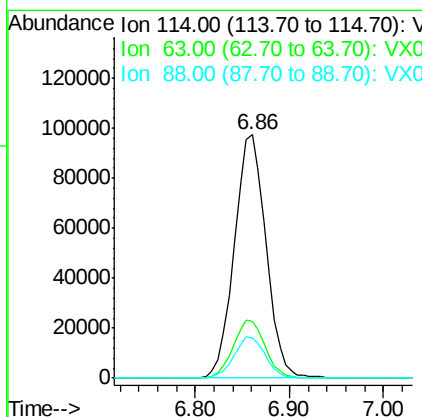
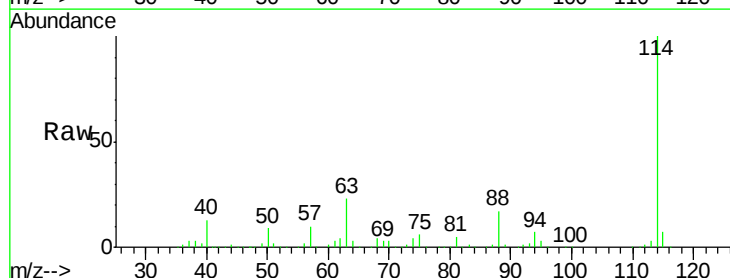
Manual Integrations
 APPROVED

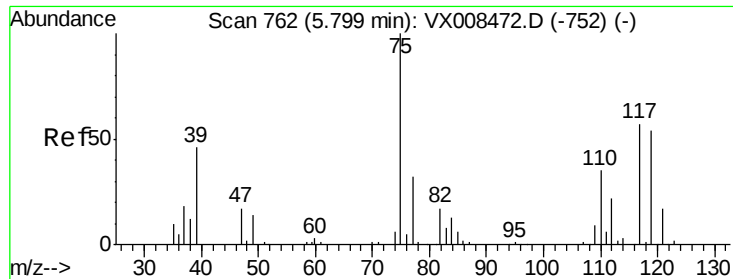
MMDadoda
 3/28/2019 9:36:57 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Tgt Ion: 114 Resp: 228993
 Ion Ratio Lower Upper
 114 100
 63 23.9 14.2 21.4#
 88 16.8 11.9 17.9





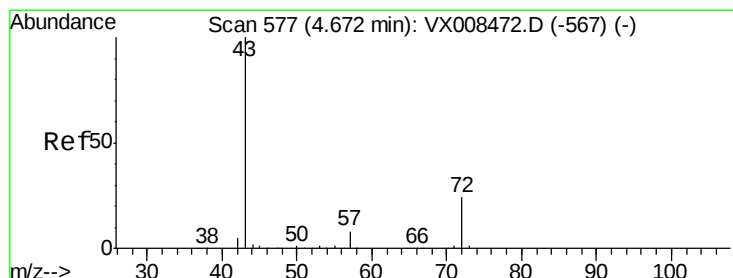
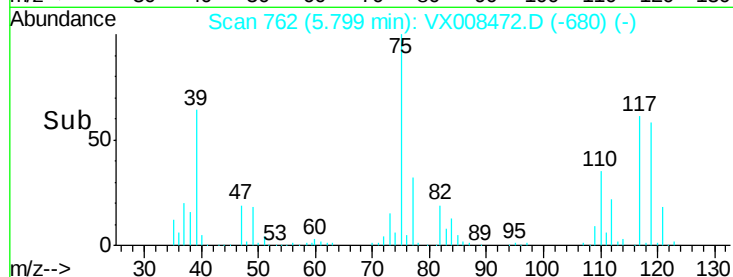
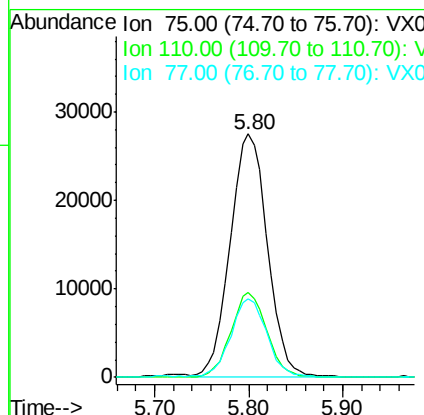
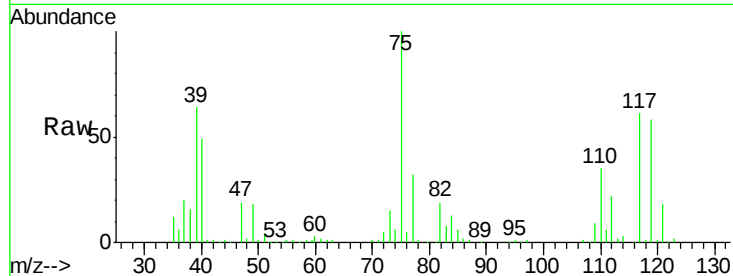
#29
 1,1-Dichloropropene
 Concen: 23.225 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.7	0.0	80.8
77	31.6	0.0	62.4

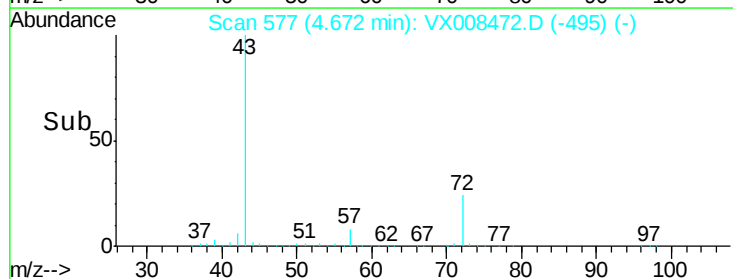
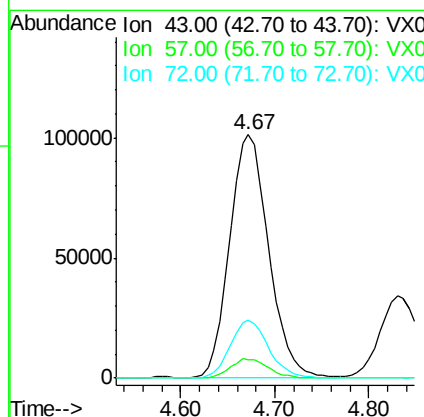
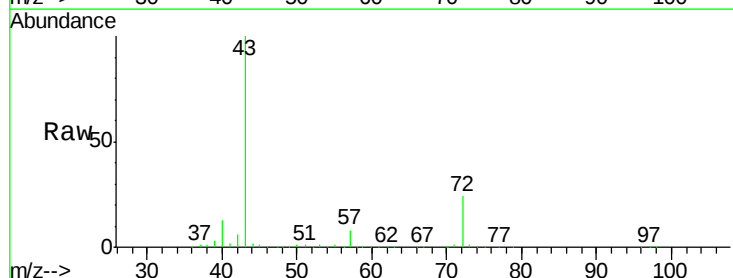
Manual Integrations
 APPROVED

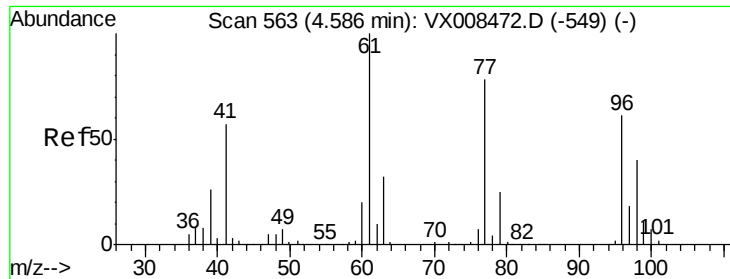
MMDadoda
 3/28/2019 9:36:57 AM



#30
 2-Butanone
 Concen: 155.451 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	7.0	10.6
72	23.7	21.5	32.3





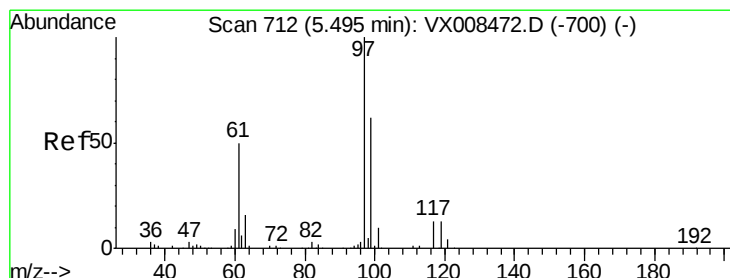
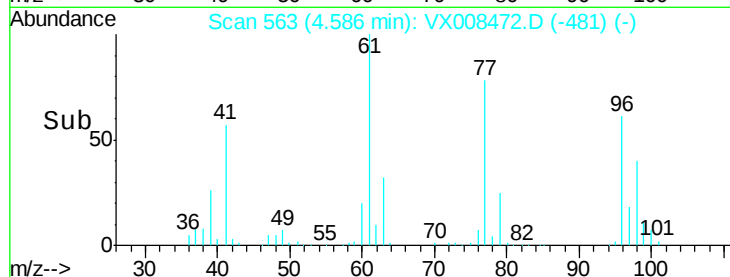
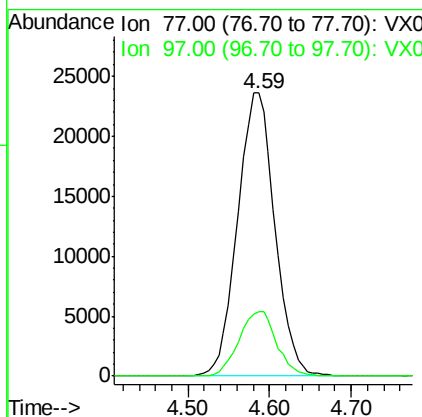
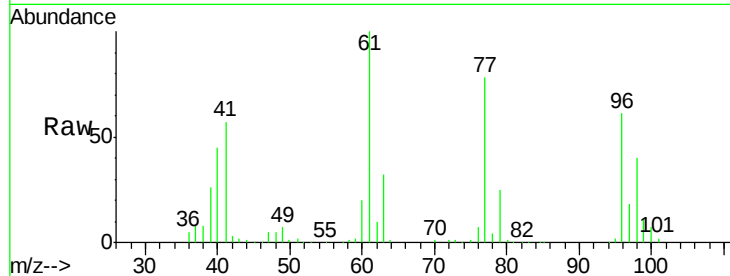
#31
 2,2-Dichloropropane
 Concen: 24.435 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion: 77 Resp: 74824
 Ion Ratio Lower Upper
 77 100
 97 23.1 20.6 31.0

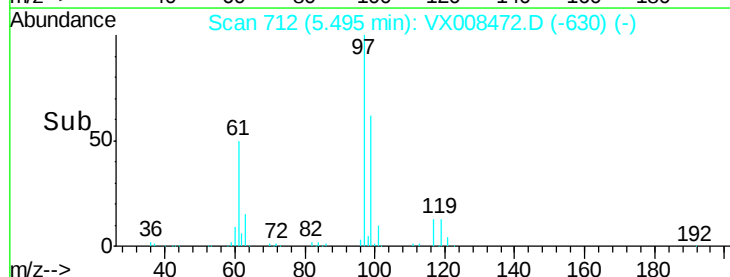
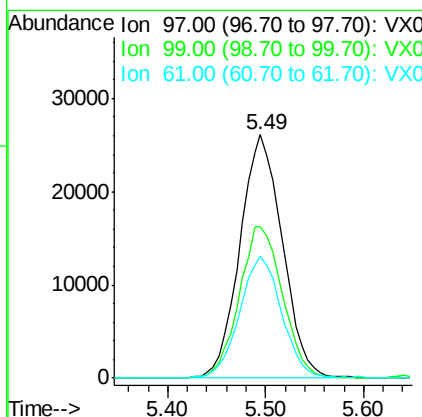
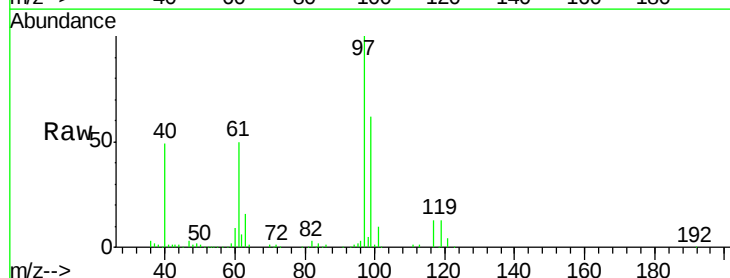
Manual Integrations
 APPROVED

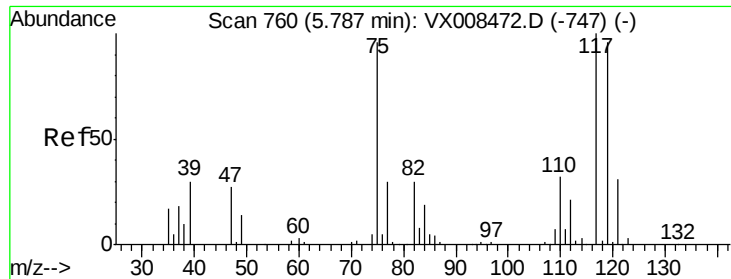
MMDadoda
 3/28/2019 9:36:57 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.549 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Tgt Ion: 97 Resp: 78638
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.7 77.5
 61 49.4 32.8 49.2#





#33

Carbon Tetrachloride

Concen: 18.517 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:117 Resp: 65078

Ion Ratio Lower Upper

117 100

119 95.7 78.1 117.1

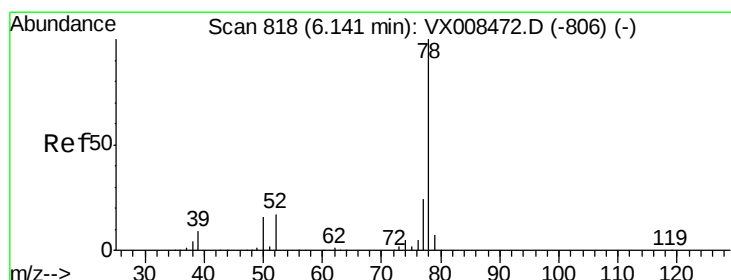
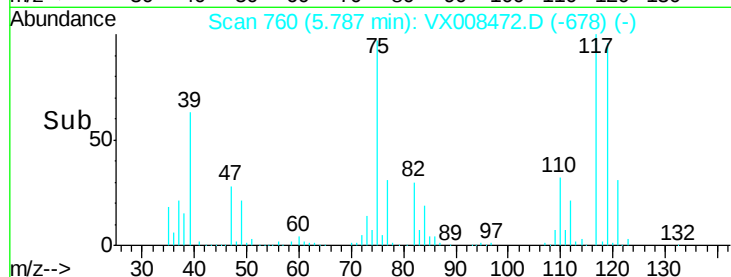
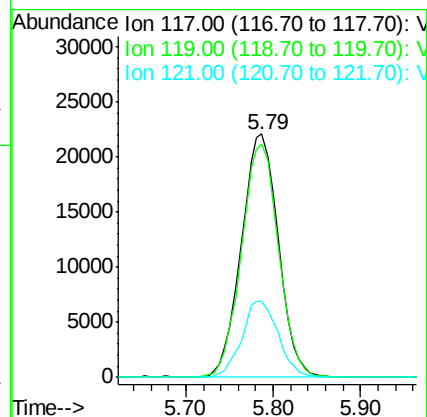
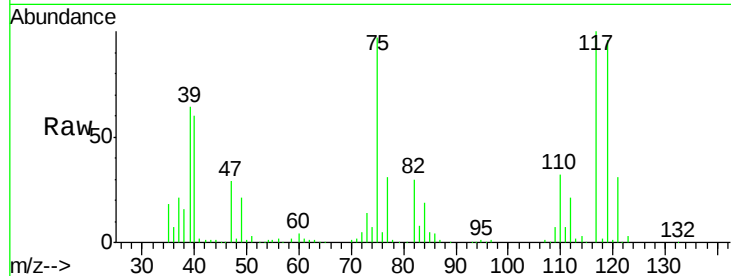
121 31.1 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

3/28/2019 9:36:57 AM



#34

Benzene

Concen: 24.146 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

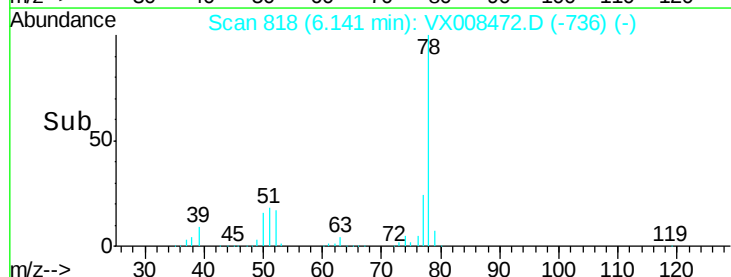
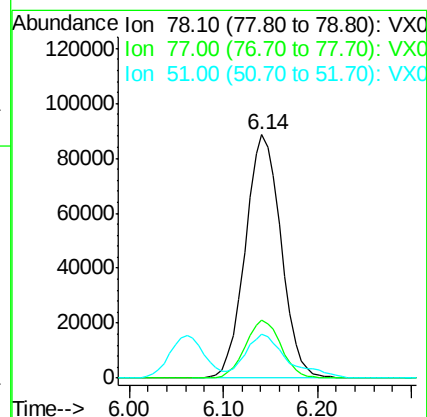
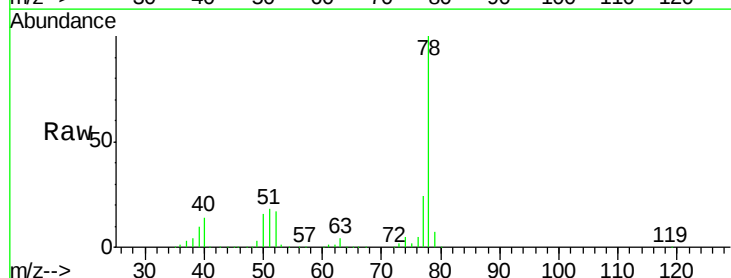
Tgt Ion: 78 Resp: 233926

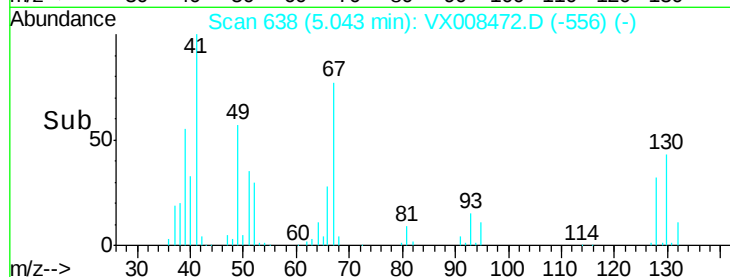
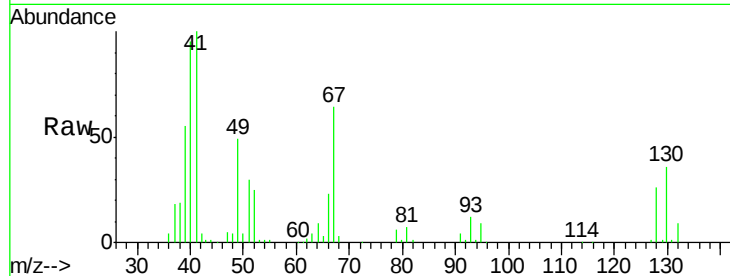
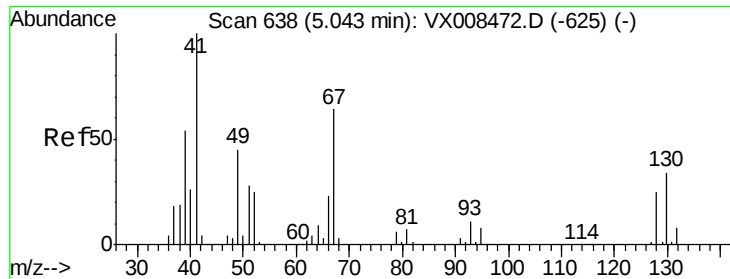
Ion Ratio Lower Upper

78 100

77 23.7 19.1 28.7

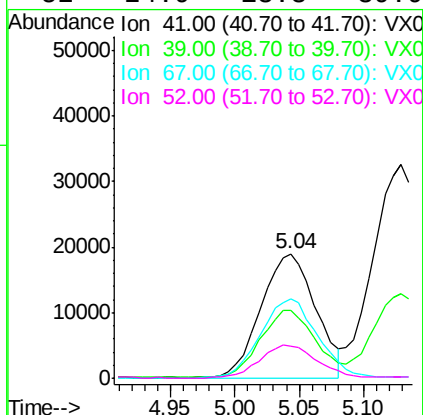
51 17.4 10.8 16.2#





#35
Methacrylonitrile
Concen: 31.949 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

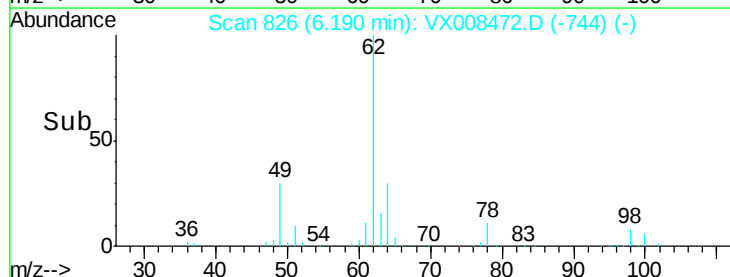
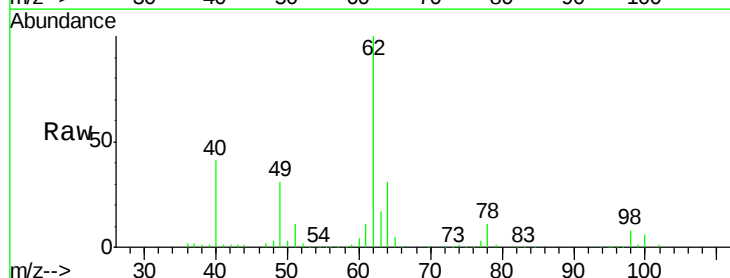
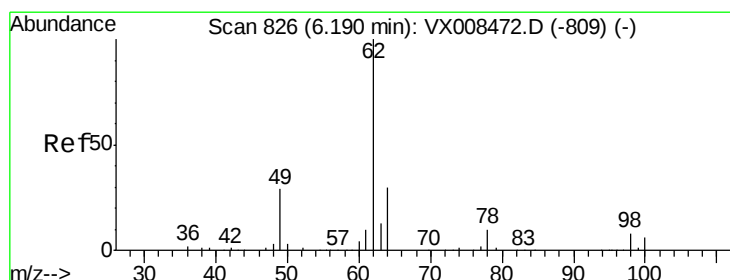
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	27.4	82.0	
67	63.6	37.9	113.6	
52	24.9	13.3	39.9	



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

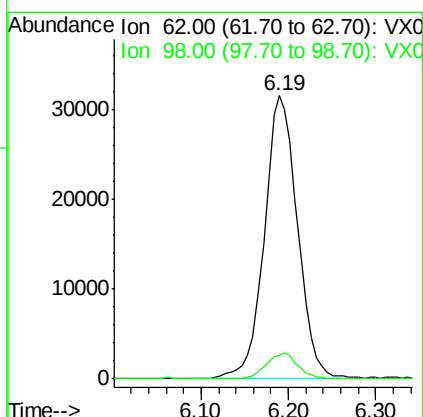
Manual Integrations
APPROVED

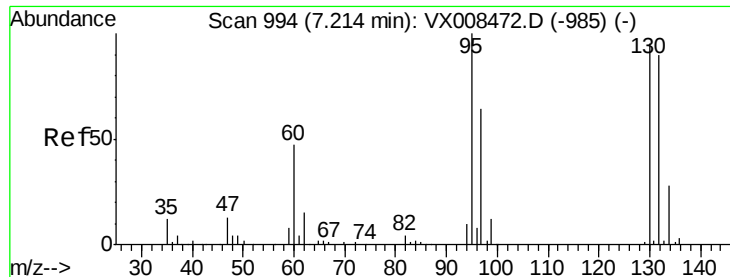
MMDadoda
3/28/2019 9:36:57 AM



#36
1,2-Dichloroethane
Concen: 23.339 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	7.8	11.8	





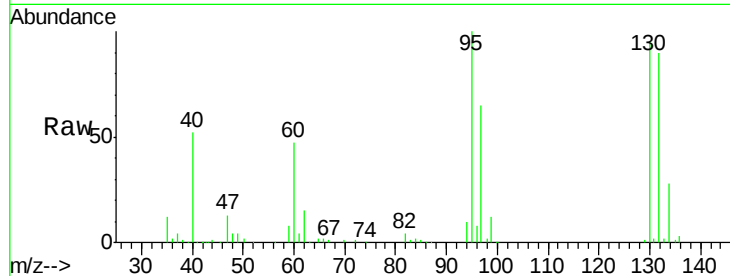
#37
 Trichloroethene
 Concen: 18.425 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

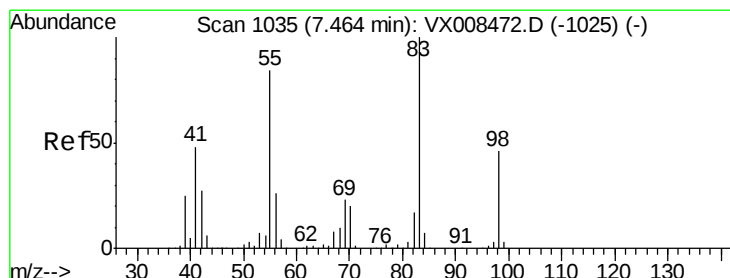
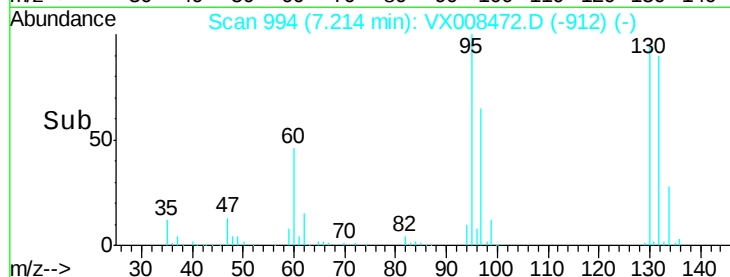
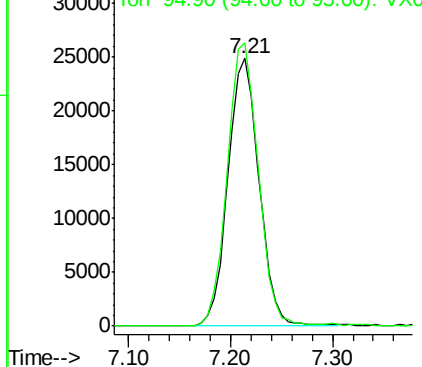
Tot Ion:130 Resp: 52484
 Ion Ratio Lower Upper
 130 100
 95 105.7 71.3 106.9

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 9:36:57 AM

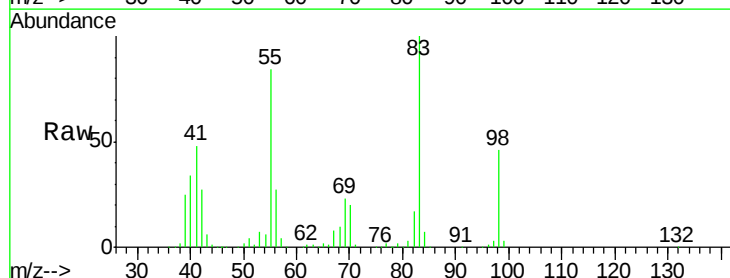


Abundance Ion 129.90 (129.60 to 130.60): V

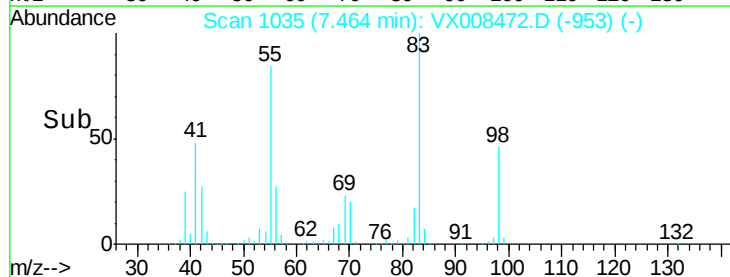
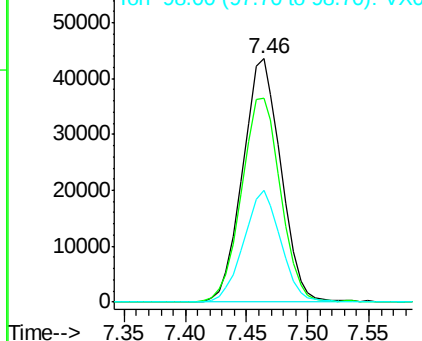


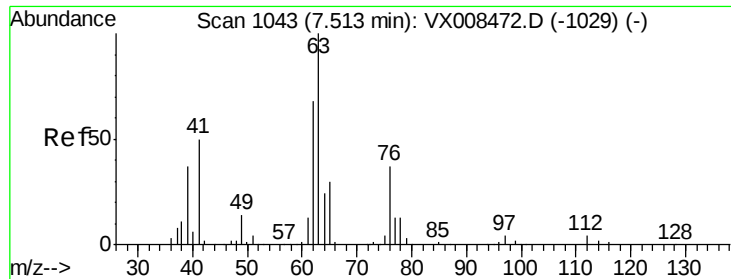
#38
 Methylcyclohexane
 Concen: 23.184 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Tgt Ion: 83 Resp: 94502
 Ion Ratio Lower Upper
 83 100
 55 85.7 36.0 108.0
 98 44.8 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





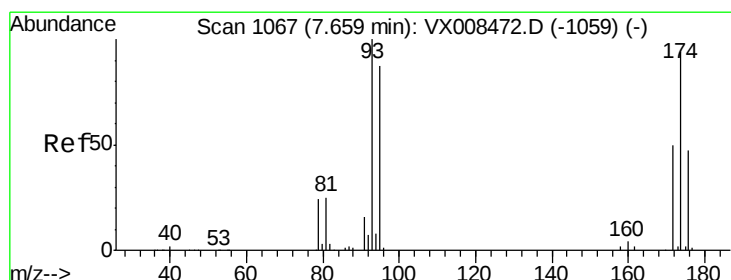
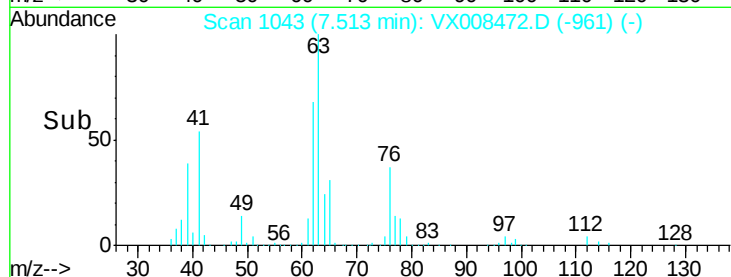
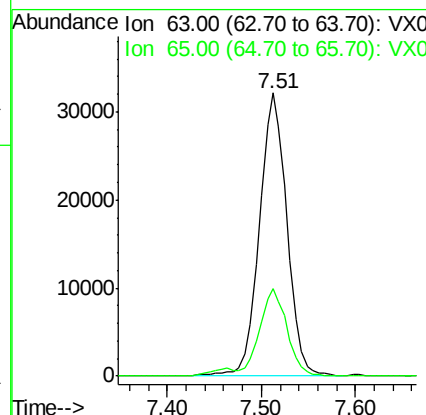
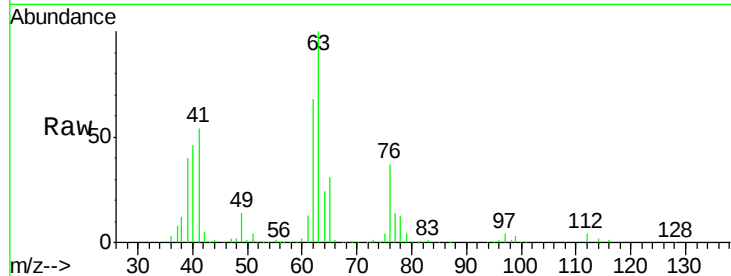
#39
 1,2-Dichloropropane
 Concen: 26.851 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 66193
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0

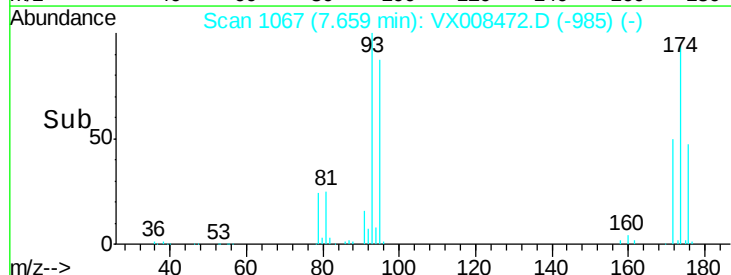
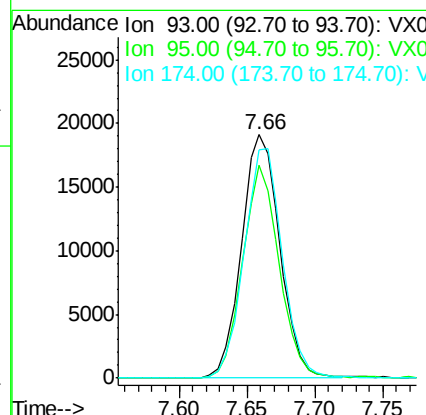
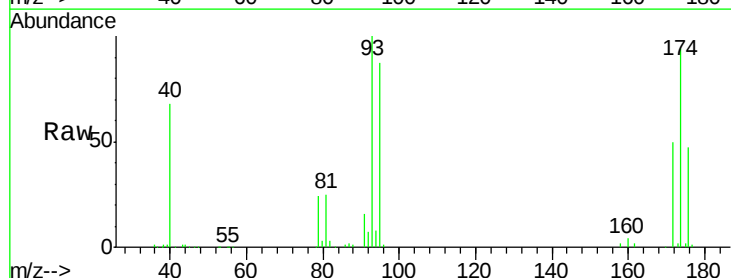
Manual Integrations
 APPROVED

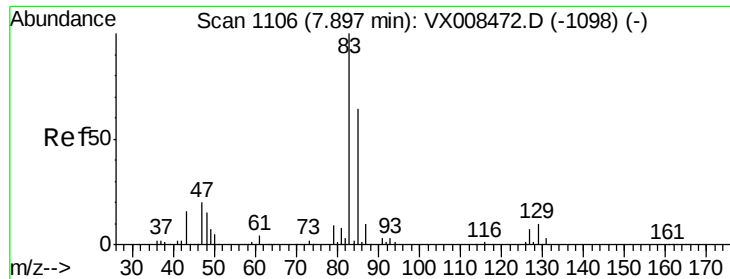
MMDadoda
 3/28/2019 9:36:57 AM



#40
 Dibromomethane
 Concen: 20.880 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Tgt Ion: 93 Resp: 37752
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 158.8
 174 94.1 0.0 224.2





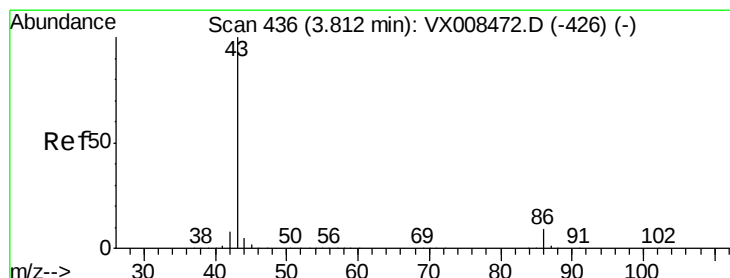
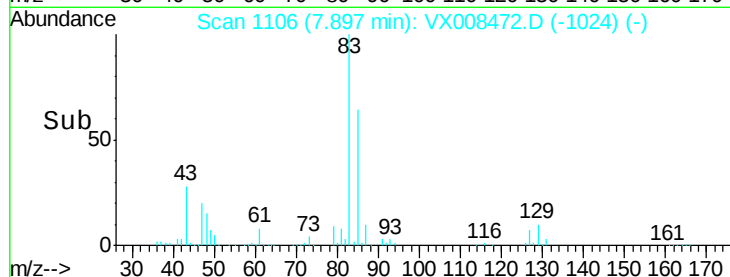
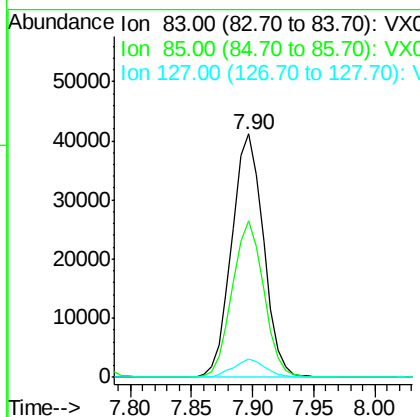
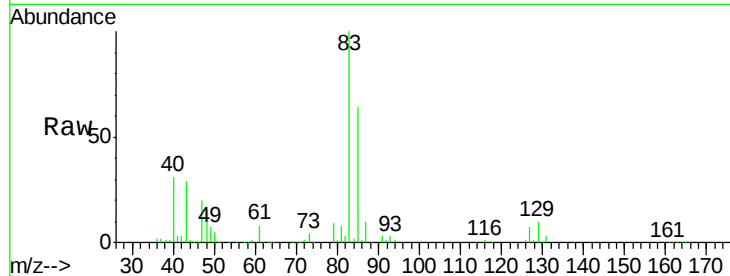
#41
Bromodichloromethane
Concen: 21.559 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	7.4	7.2	10.8

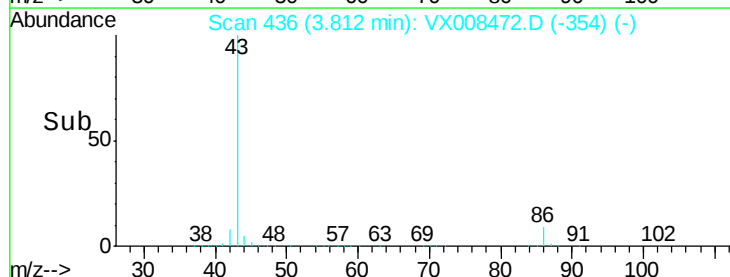
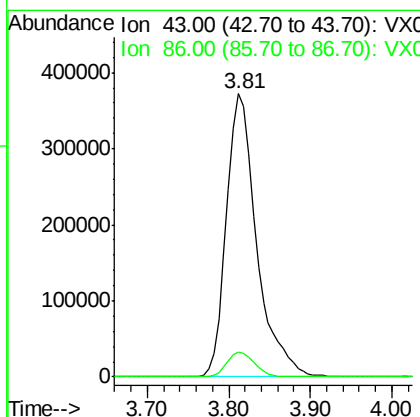
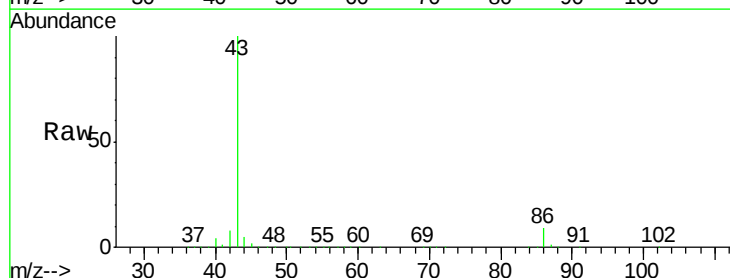
Manual Integrations
APPROVED

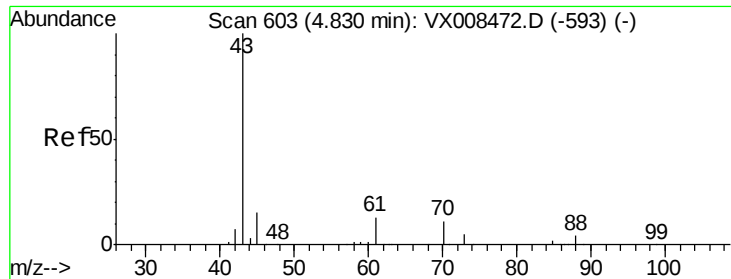
MMDadoda
3/28/2019 9:36:57 AM



#42
Vinyl Acetate
Concen: 151.785 ug/l
RT: 3.81 min Scan# 436
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.0	8.2	12.2#





#43

Ethyl Acetate

Concen: 31.249 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 103332

Ion Ratio Lower Upper

43 100

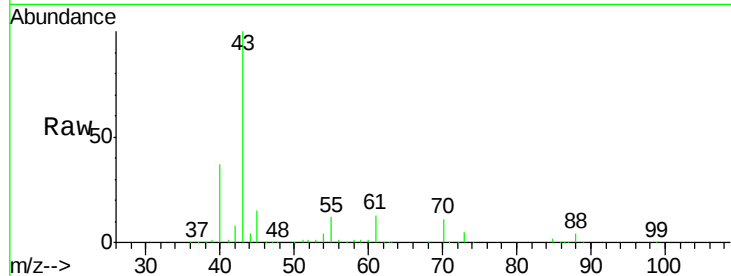
45 14.8 6.9 10.3#

Manual Integrations

APPROVED

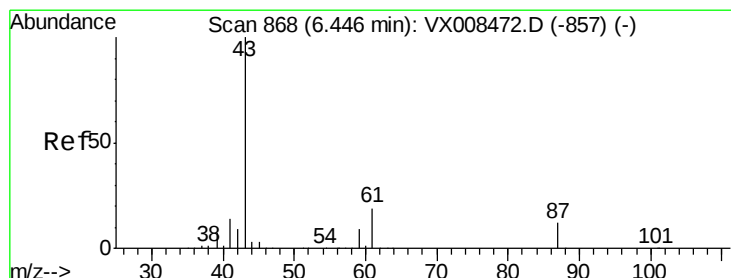
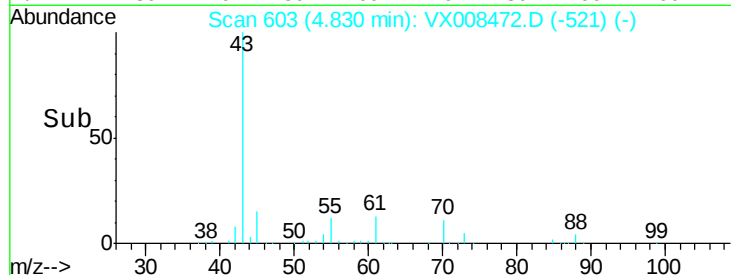
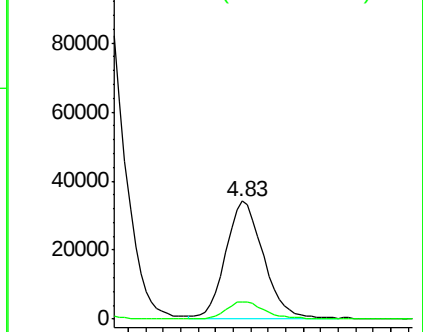
MMDadoda

3/28/2019 9:36:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 31.018 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008472.D

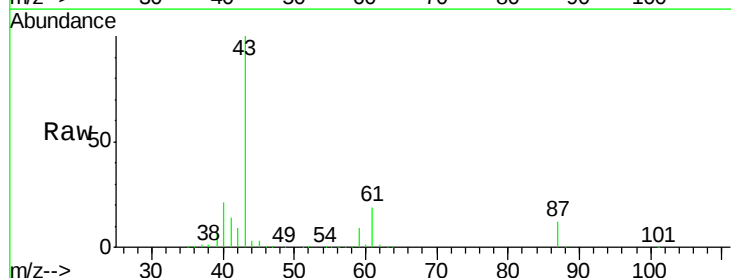
Acq: 27 Mar 2019 10:30

Tgt Ion: 43 Resp: 161415

Ion Ratio Lower Upper

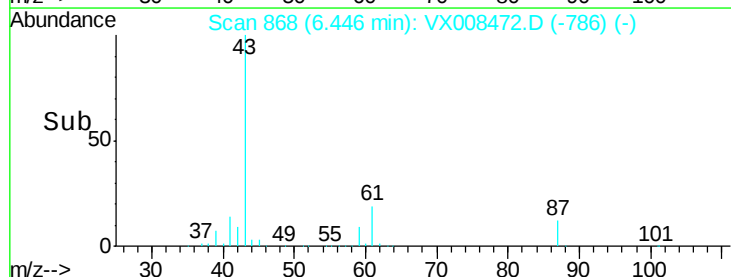
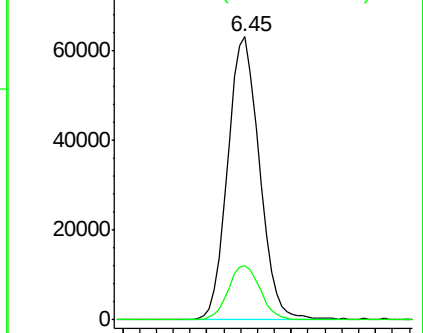
43 100

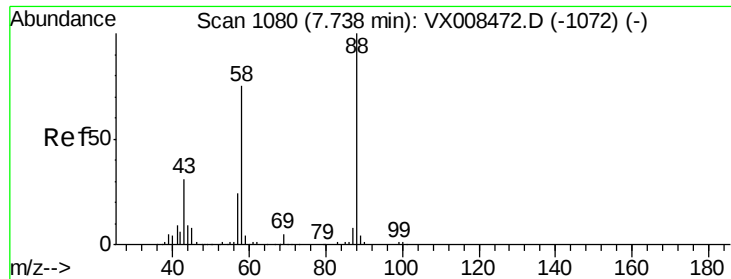
61 19.3 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 507.167 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 88 Resp: 33196

Ion Ratio Lower Upper

88 100

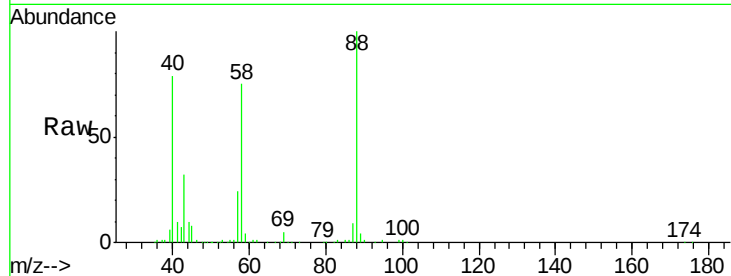
43 36.3 23.6 35.4#

58 80.0 51.6 77.4#

Manual Integrations
APPROVED

MMDadoda

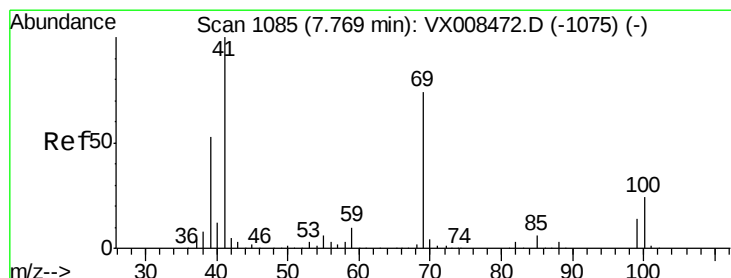
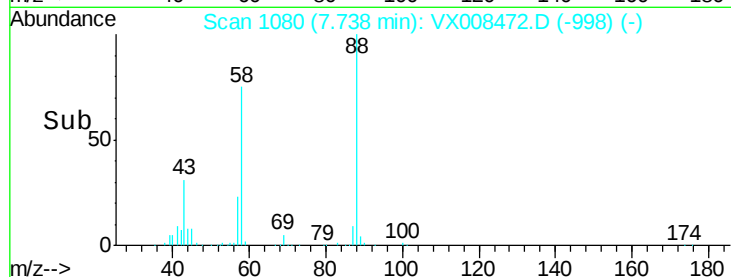
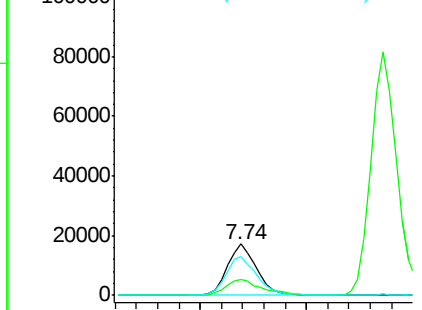
3/28/2019 9:36:57 AM



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 31.946 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

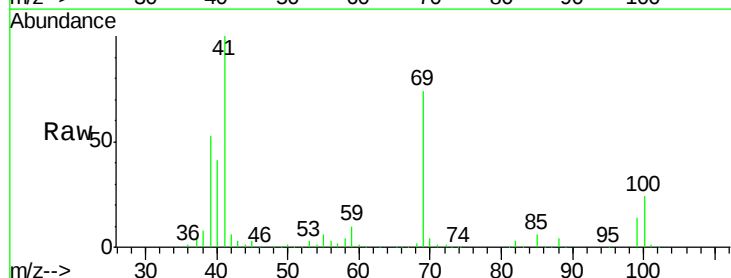
Tgt Ion: 41 Resp: 81573

Ion Ratio Lower Upper

41 100

69 74.0 44.2 132.6

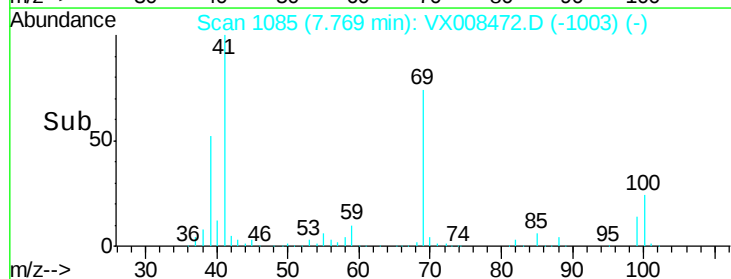
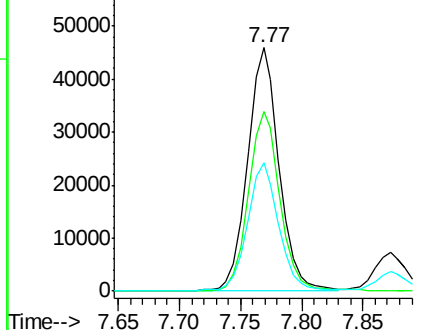
39 52.3 29.9 89.8

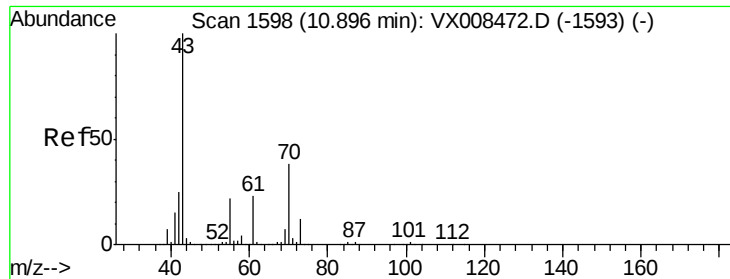


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 31.665 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 141276

Ion Ratio Lower Upper

43 100

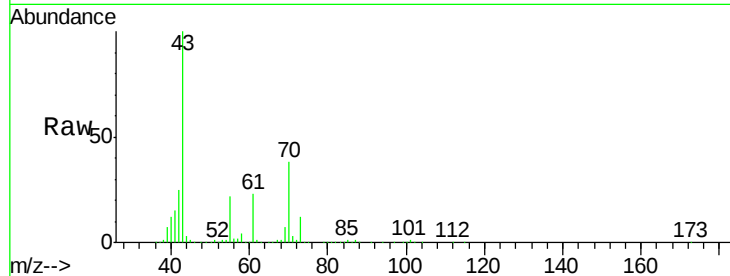
55 22.6 20.8 31.2

Manual Integrations

APPROVED

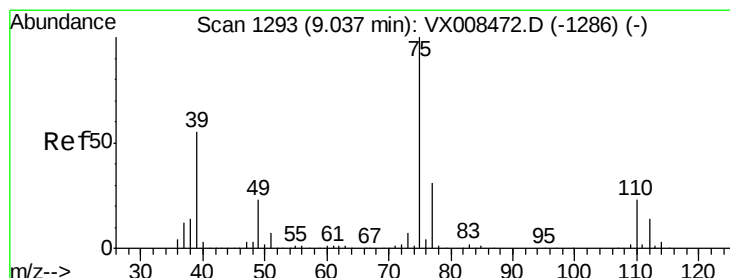
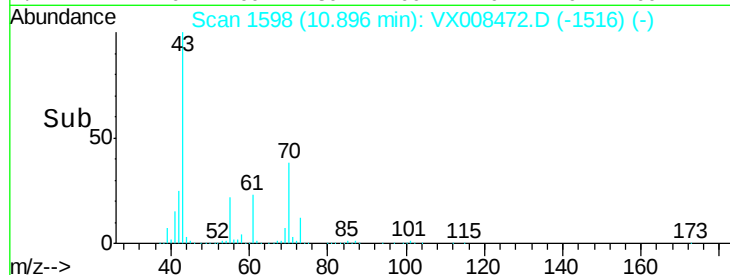
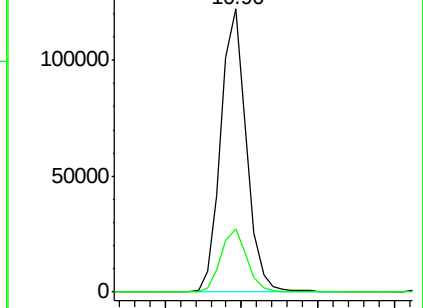
MMDadoda

3/28/2019 9:36:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 23.270 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX008472.D

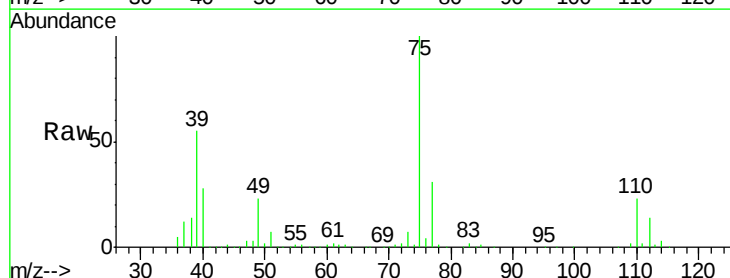
Acq: 27 Mar 2019 10:30

Tgt Ion: 75 Resp: 79931

Ion Ratio Lower Upper

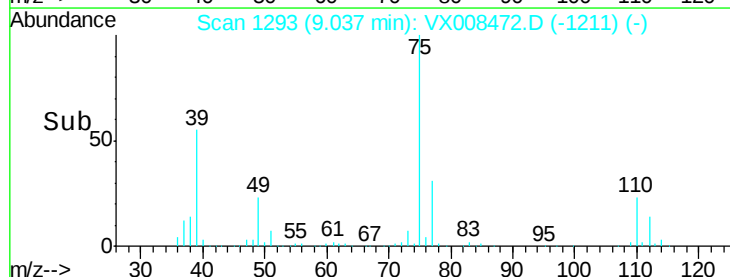
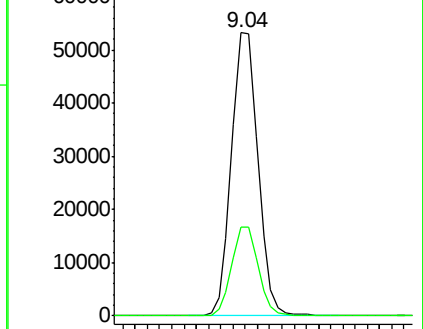
75 100

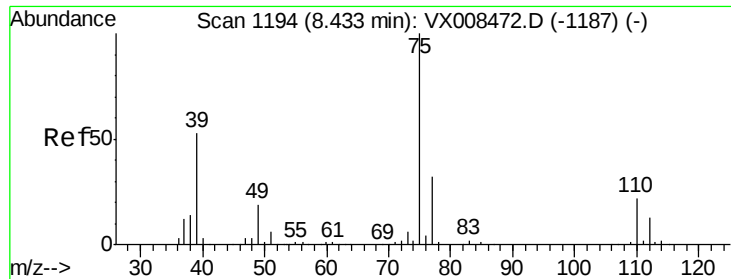
77 31.3 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





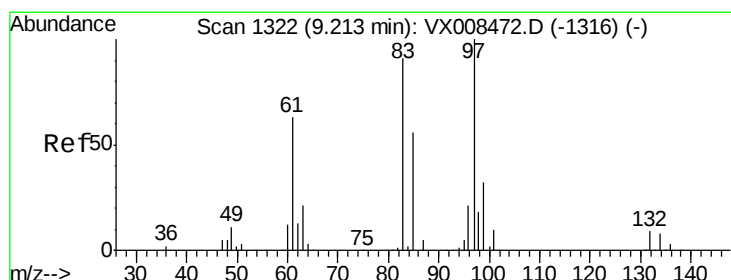
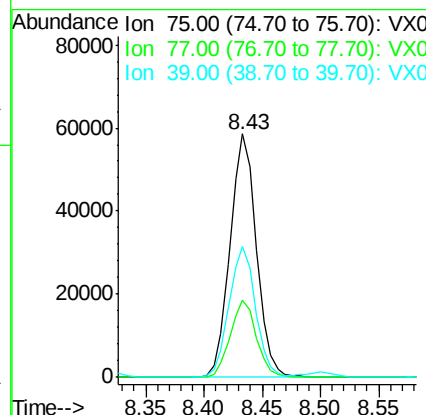
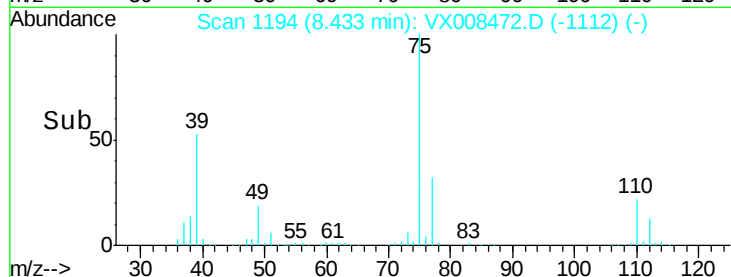
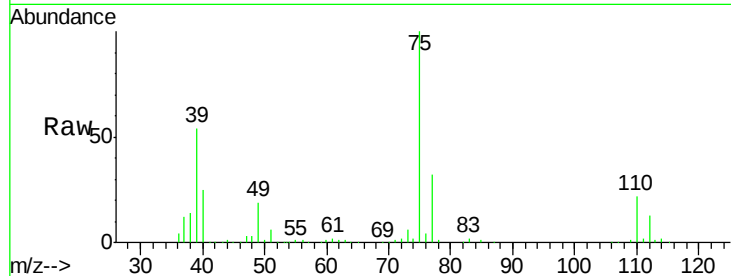
#49
 cis-1,3-Dichloropropene
 Concen: 24.093 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	53.3	38.5	57.7

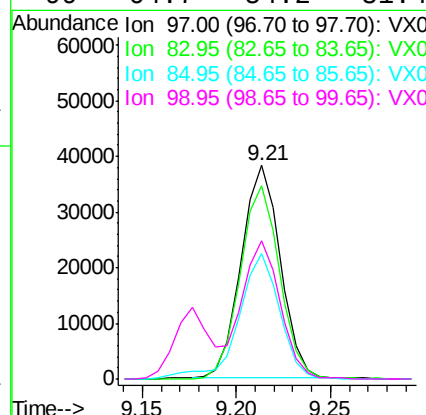
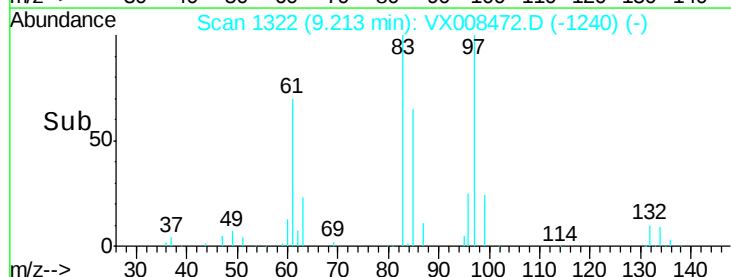
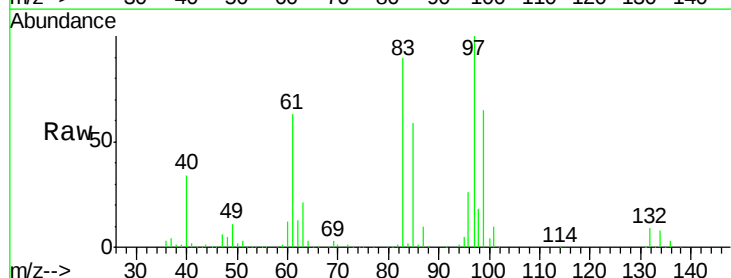
Manual Integrations
 APPROVED

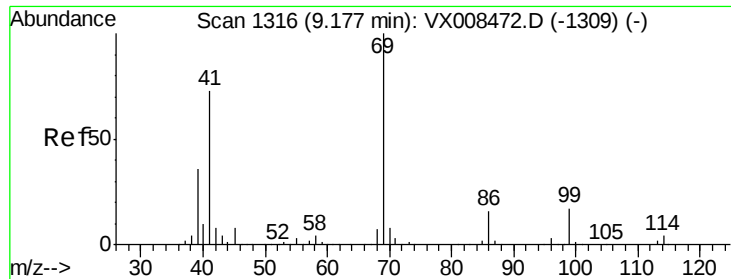
MMDadoda
 3/28/2019 9:36:57 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.223 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.3	72.0	108.0
85	58.5	45.0	67.6
99	64.7	54.2	81.4





#51

Ethyl methacrylate

Concen: 26.775 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 69 Resp: 101532
Ion Ratio Lower Upper

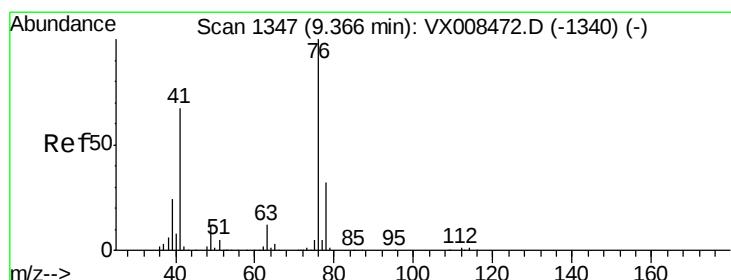
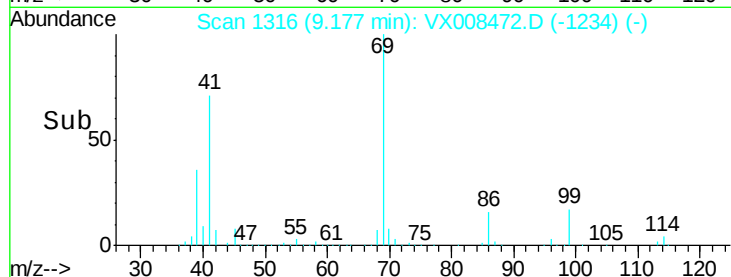
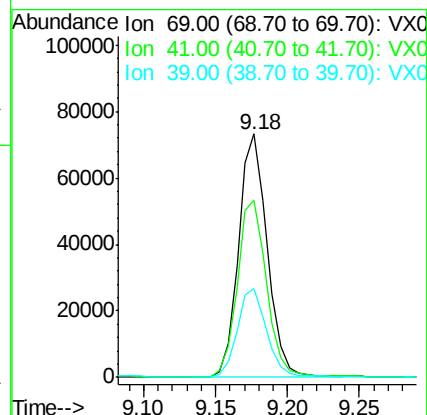
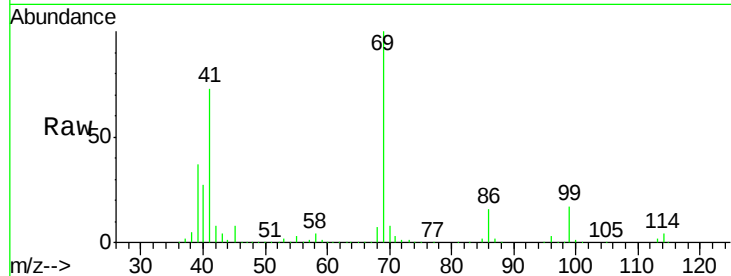
69 100

41 72.7 32.1 96.5

39 36.4 18.8 56.3

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM



#52

1,3-Dichloropropane

Concen: 24.278 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

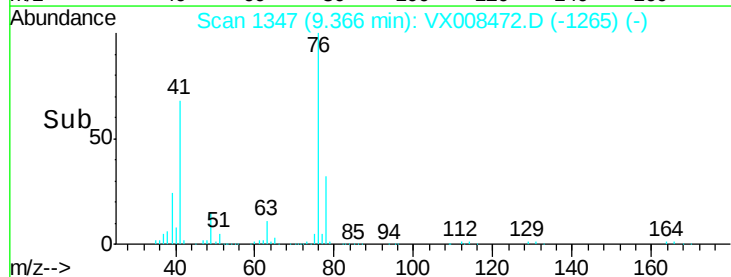
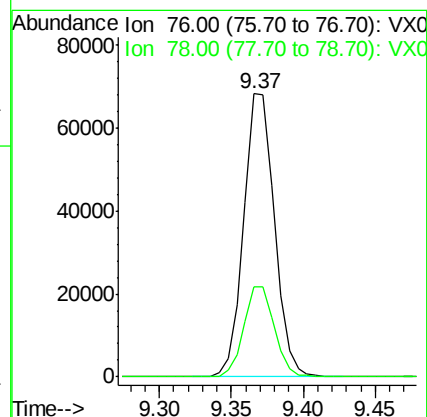
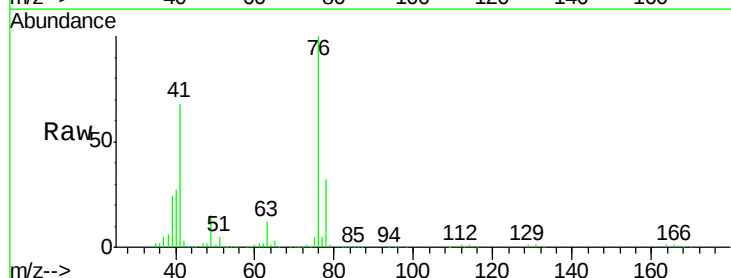
Lab File: VX008472.D

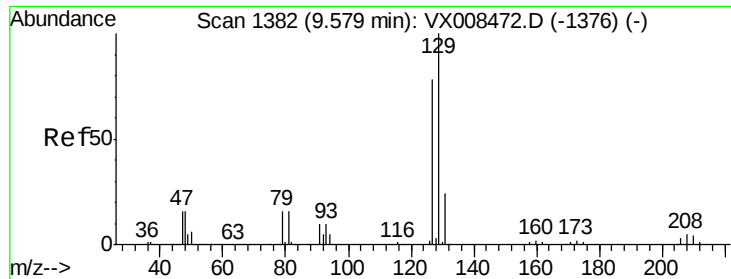
Acq: 27 Mar 2019 10:30

Tgt Ion: 76 Resp: 101136
Ion Ratio Lower Upper

76 100

78 31.9 0.0 65.2





#53

Dibromochloromethane

Concen: 18.219 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:129 Resp: 53345

Ion Ratio Lower Upper

129 100

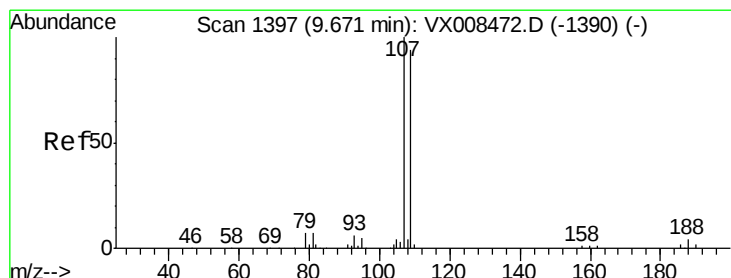
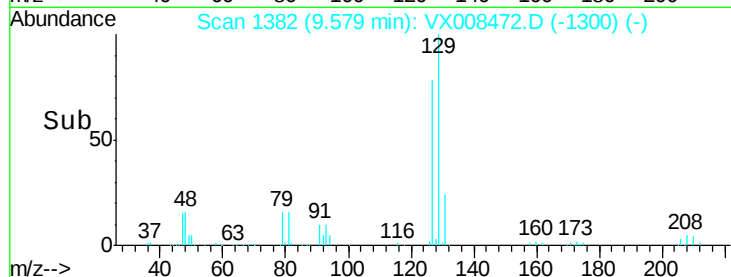
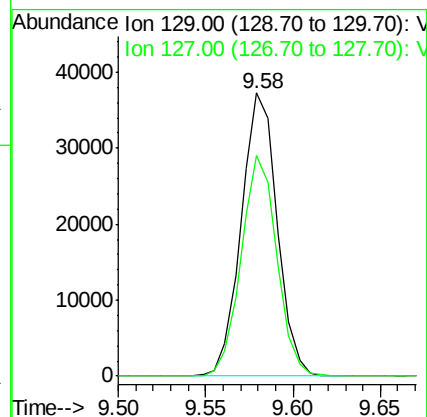
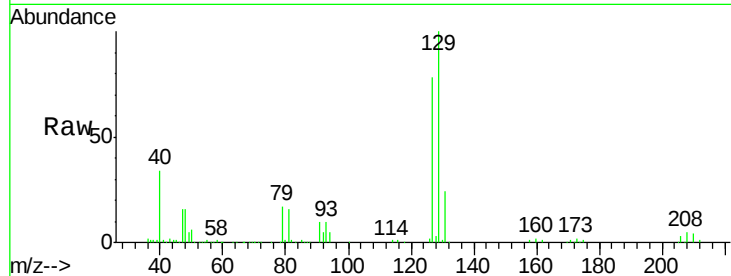
127 76.9 38.4 115.2

Manual Integrations

APPROVED

MMDadoda

3/28/2019 9:36:57 AM



#54

1,2-Dibromoethane

Concen: 20.221 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008472.D

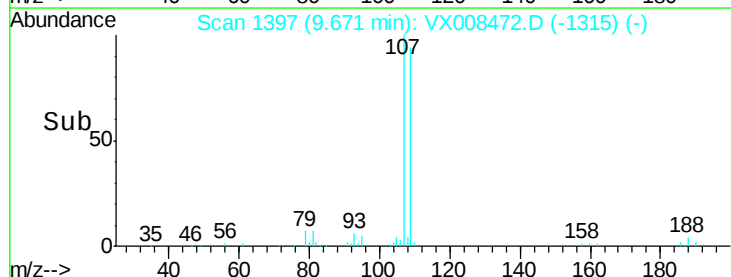
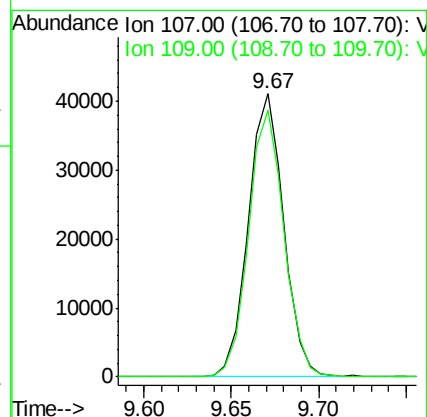
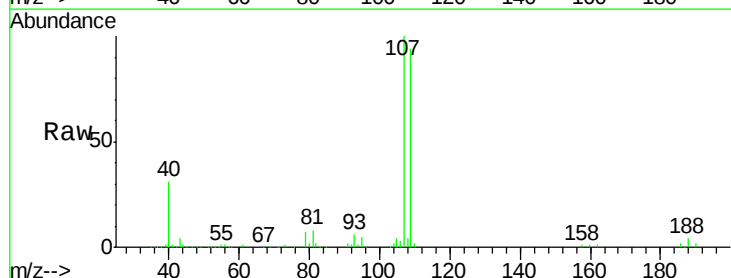
Acq: 27 Mar 2019 10:30

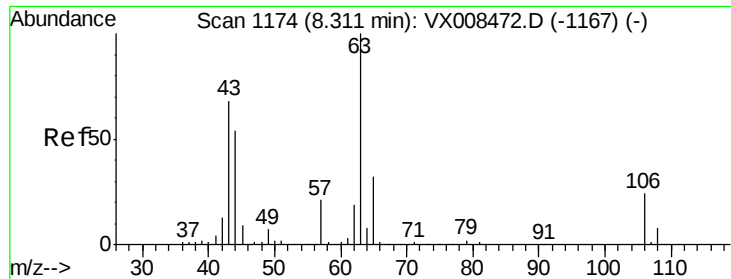
Tgt Ion:107 Resp: 57625

Ion Ratio Lower Upper

107 100

109 94.6 76.6 115.0





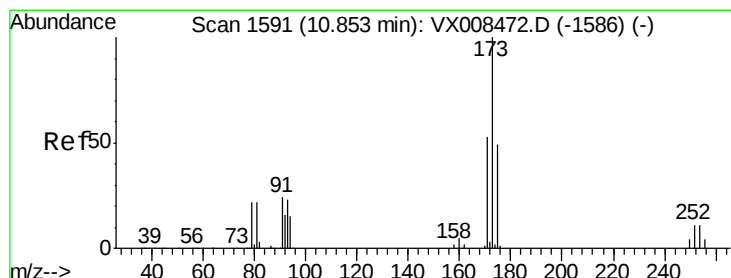
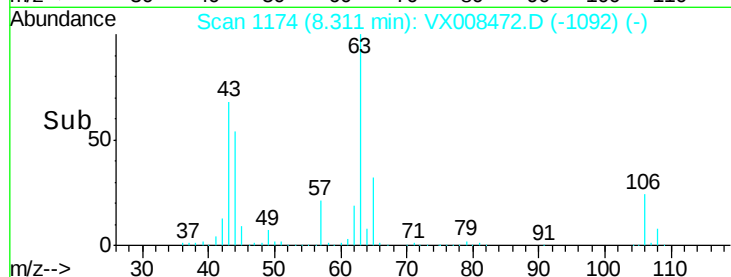
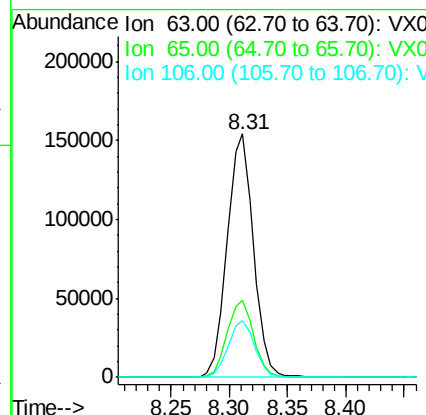
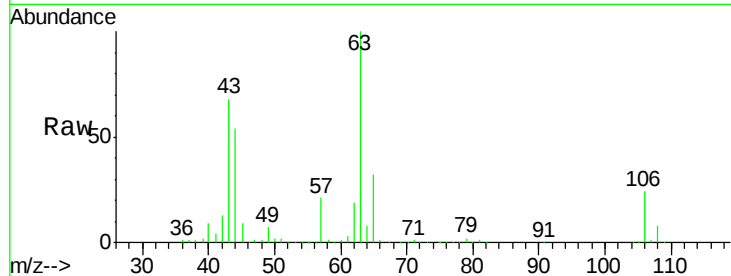
#55
2-Chloroethyl vinyl ether
Concen: 125.520 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.7	38.5
106	23.7	23.7	35.5#

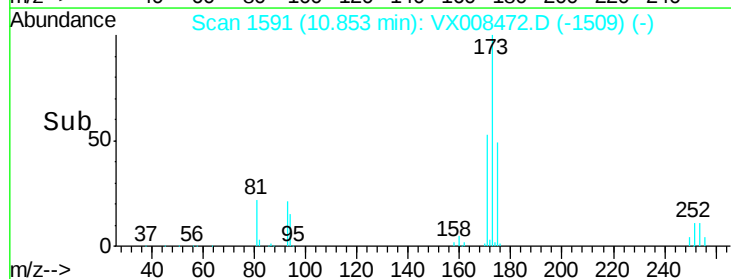
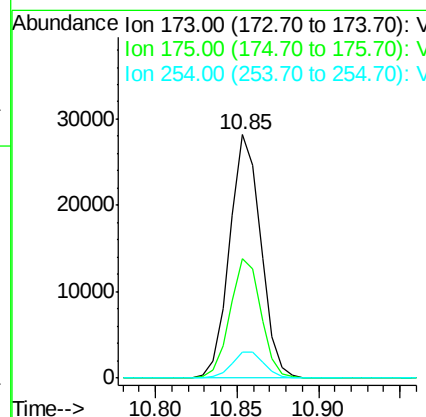
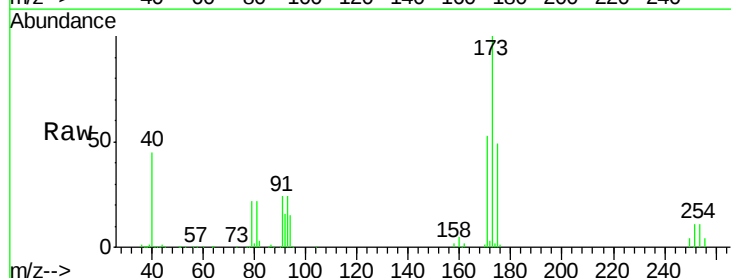
Manual Integrations
APPROVED

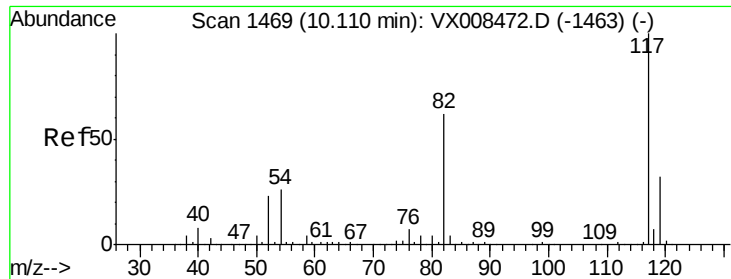
MMDadoda
3/28/2019 9:36:57 AM



#56
Bromoform
Concen: 16.223 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.5	57.7
254	11.2	7.4	11.2#





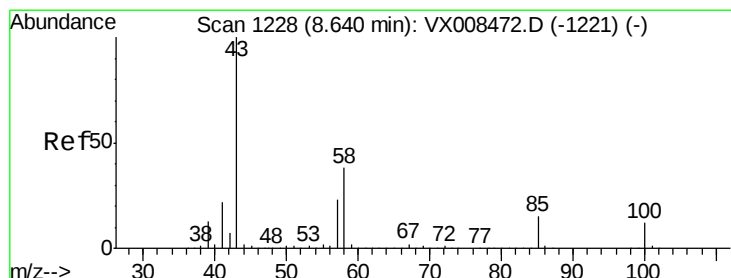
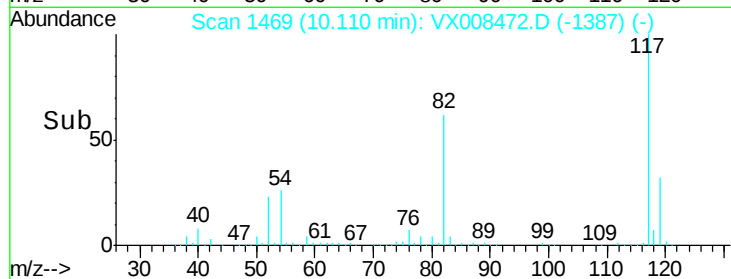
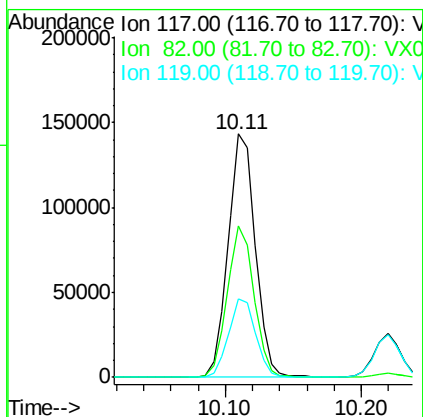
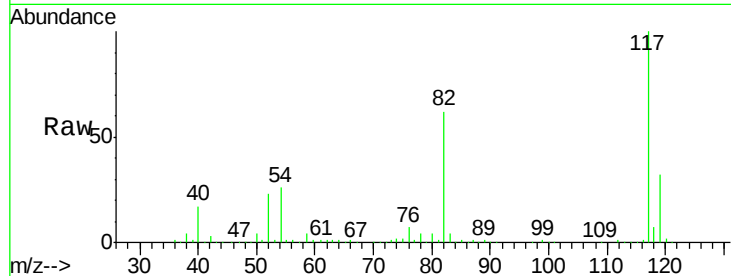
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	199845		
82	61.1	40.4	60.6	#
119	32.5	25.8	38.6	

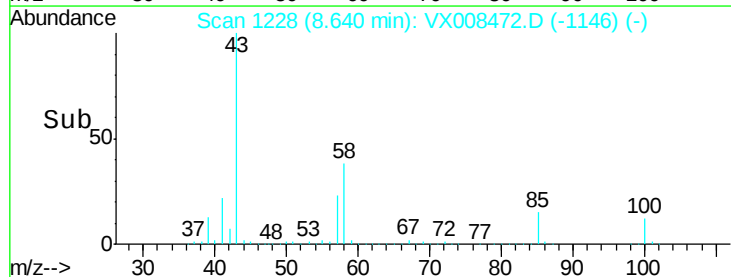
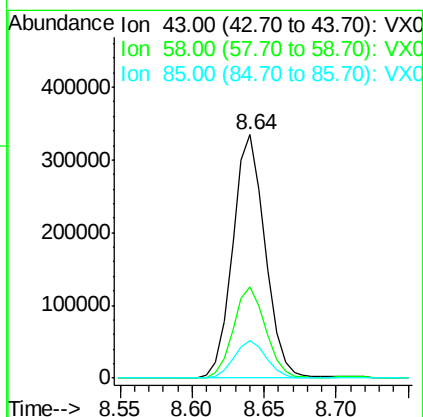
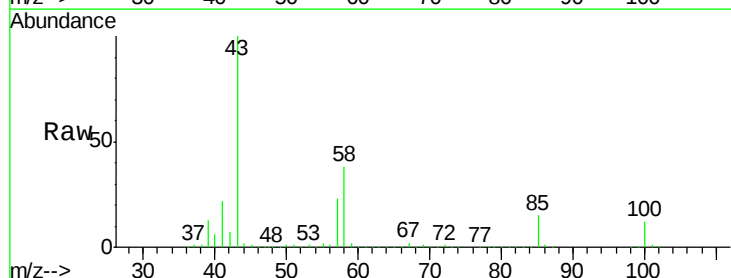
Manual Integrations
APPROVED

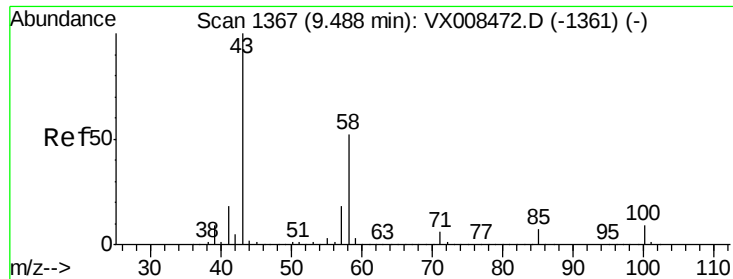
MMDadoda
3/28/2019 9:36:57 AM



#58
4-Methyl-2-Pentanone
Concen: 156.347 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	526074		
58	37.6	31.4	47.0	
85	15.3	15.0	22.6	





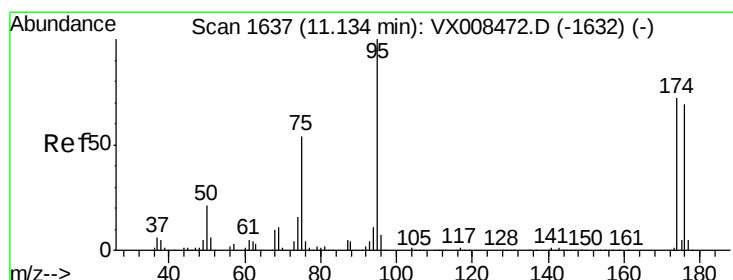
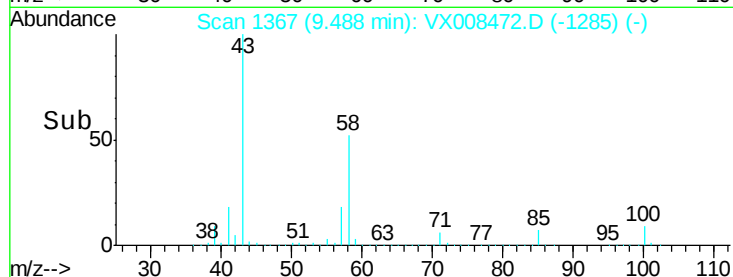
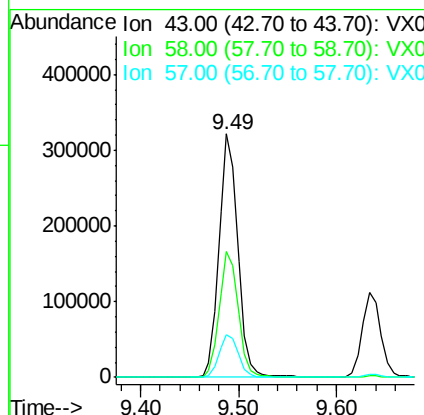
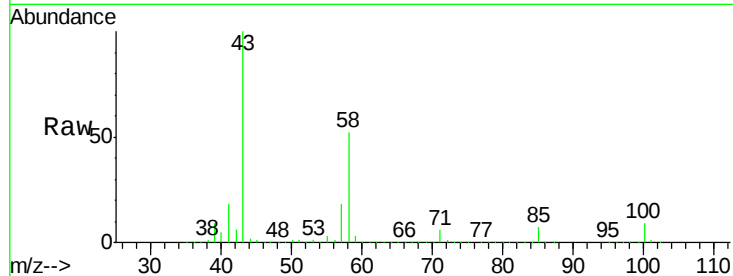
#59
2-Hexanone
Concen: 161.612 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	43.9	65.9
57	18.0	14.9	22.3

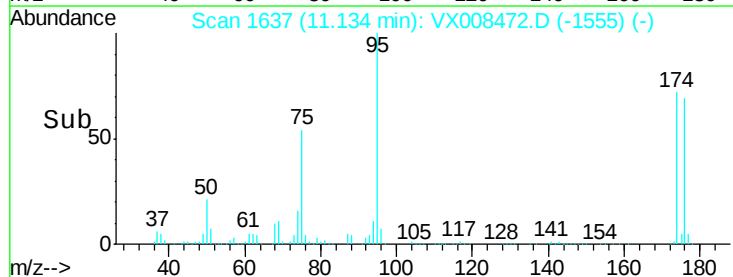
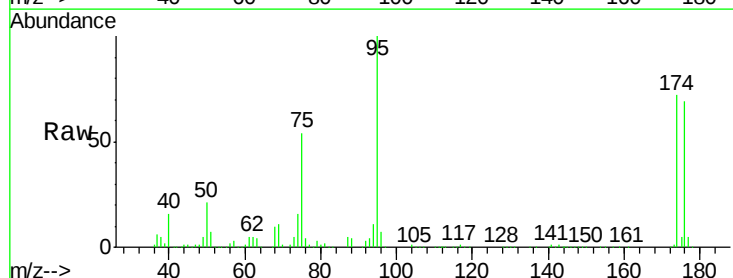
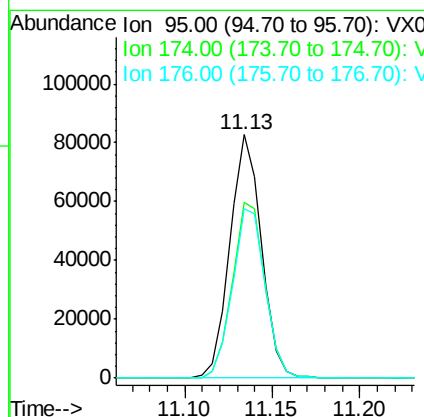
Manual Integrations
APPROVED

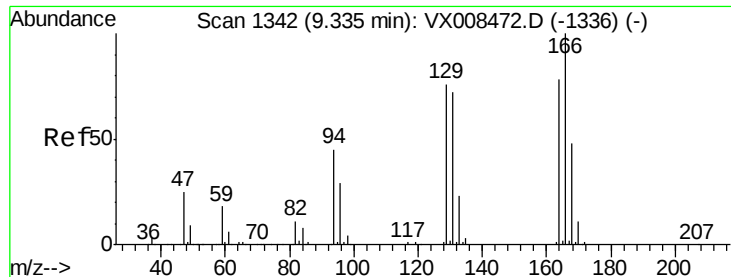
MMDadoda
3/28/2019 9:36:57 AM



#60
4-Bromofluorobenzene
Concen: 31.922 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.4	74.9	112.3#
176	72.4	70.7	106.1





#61

Tetrachloroethene

Concen: 16.245 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 43700

Ion Ratio Lower Upper

164 100

166 128.5 103.9 155.9

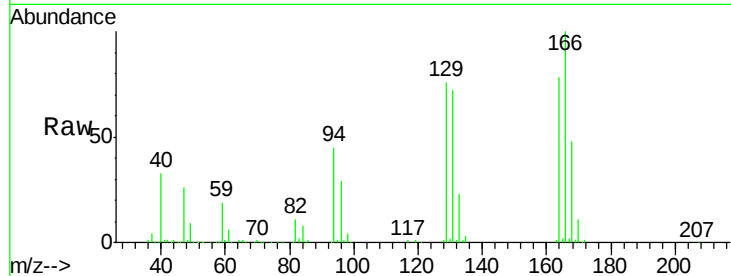
129 98.0 74.7 112.1

131 92.6 71.7 107.5

Manual Integrations
APPROVED

MMDadoda

3/28/2019 9:36:57 AM

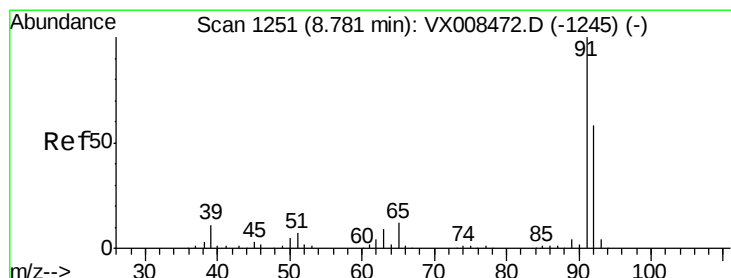
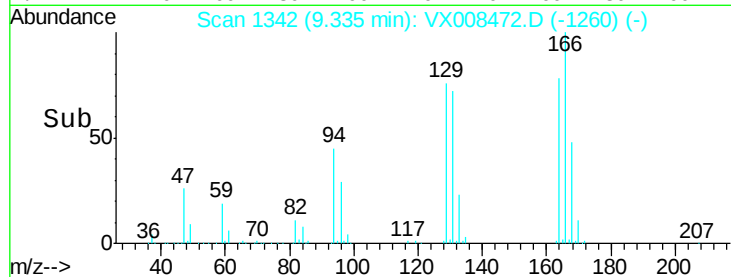
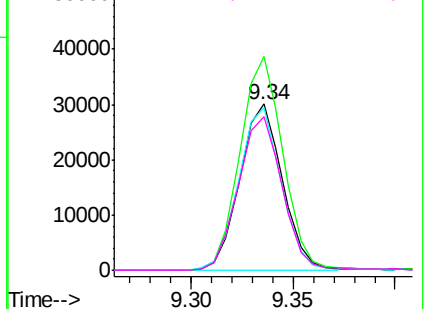


Abundance Ion 163.85 (163.55 to 164.55): V

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: 22.890 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX008472.D

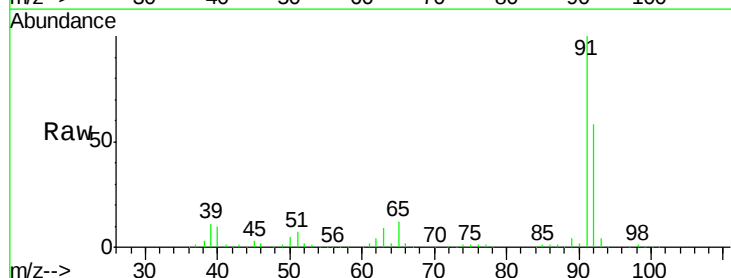
Acq: 27 Mar 2019 10:30

Tgt Ion: 91 Resp: 242812

Ion Ratio Lower Upper

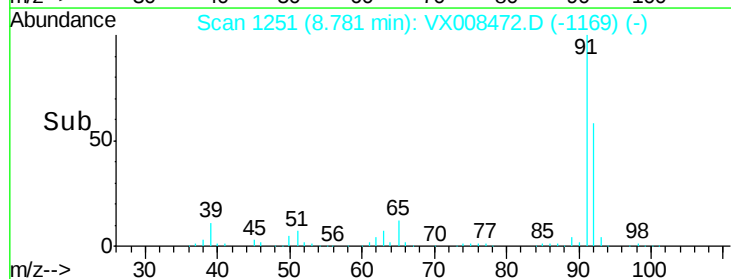
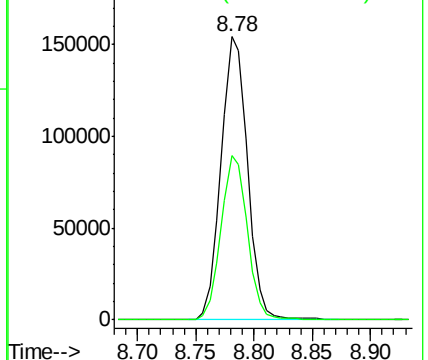
91 100

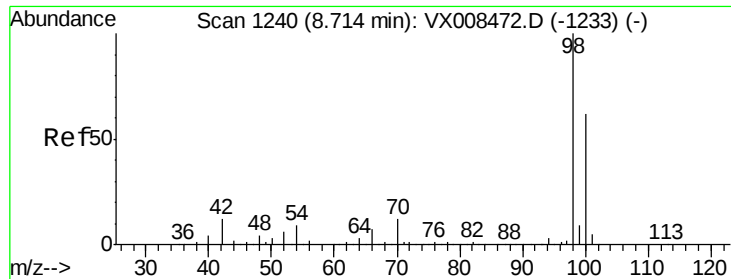
92 57.9 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 32.615 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 293662

Ion Ratio Lower Upper

98 100

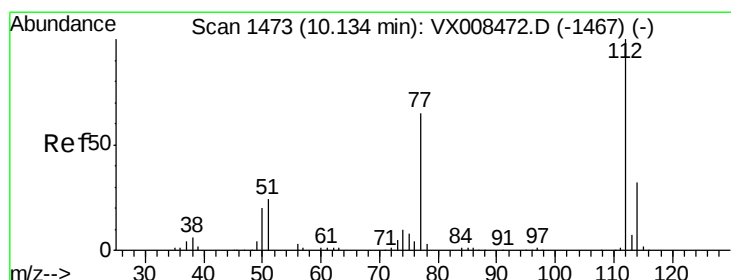
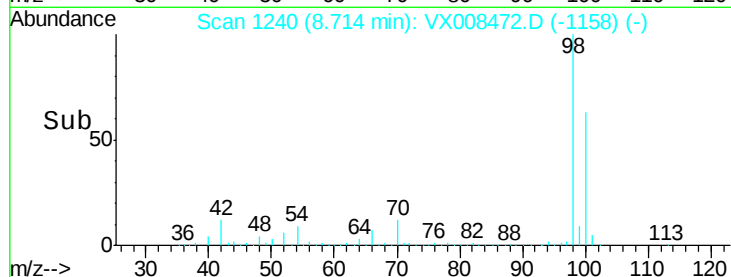
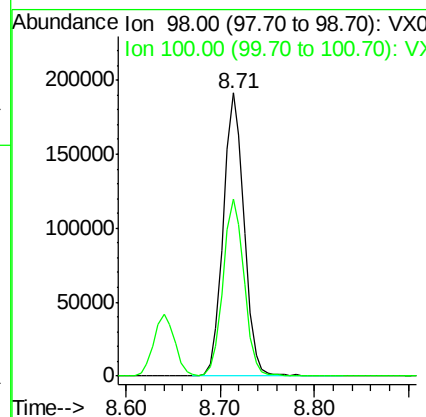
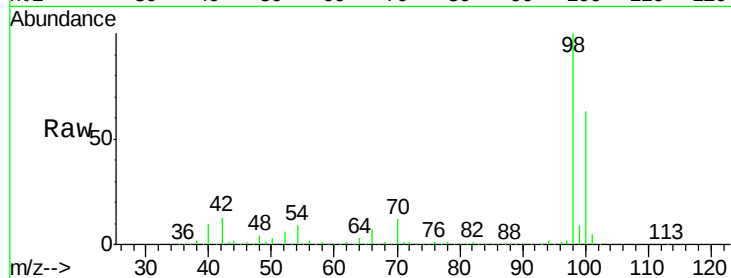
100 63.6 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

3/28/2019 9:36:57 AM



#64

Chlorobenzene

Concen: 20.431 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008472.D

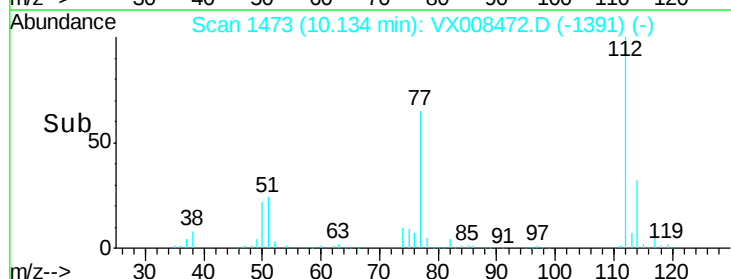
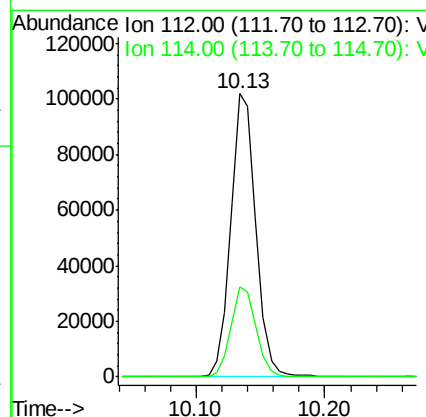
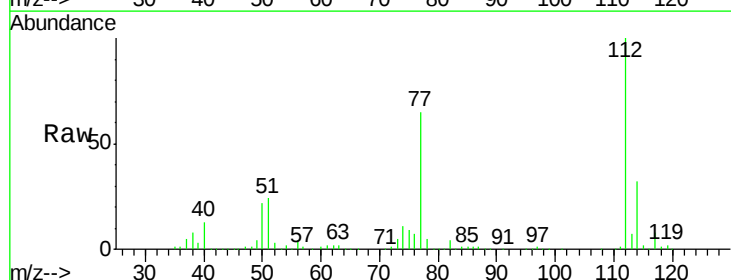
Acq: 27 Mar 2019 10:30

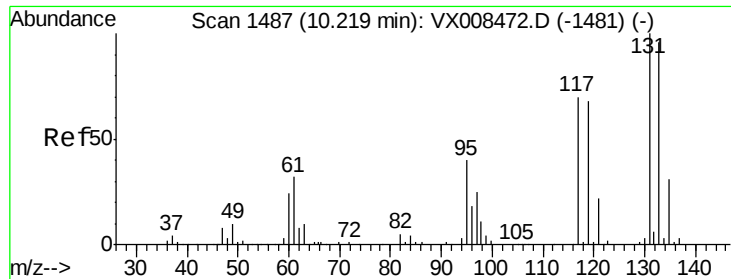
Tgt Ion: 112 Resp: 139720

Ion Ratio Lower Upper

112 100

114 31.9 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.601 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

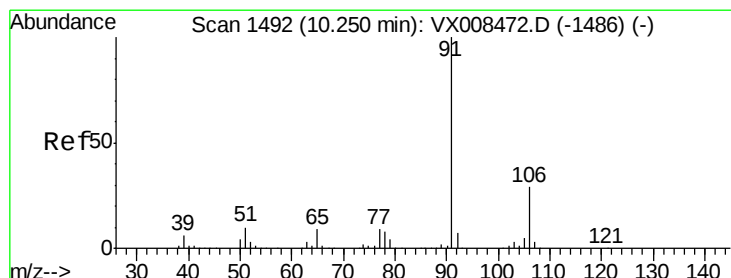
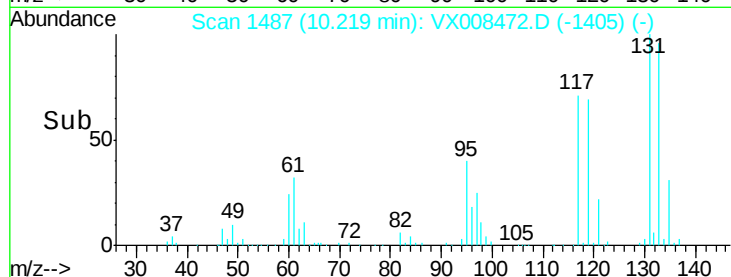
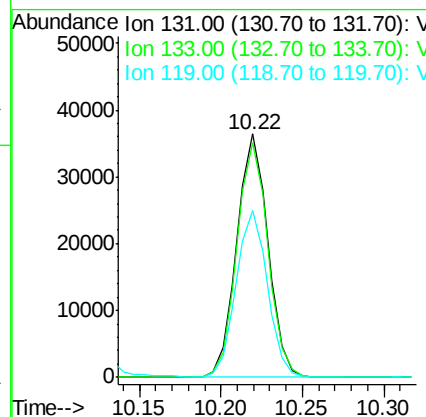
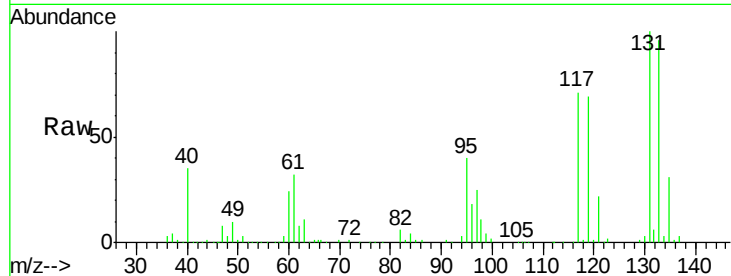
ClientSampleId :

VSTDICCC020

Tot Ion:	131	Resp:	48583
Ion Ratio	Lower	Upper	
131	100		
133	96.0	0.0	191.6
119	68.0	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM



#66

Ethyl Benzene

Concen: 23.260 ug/l

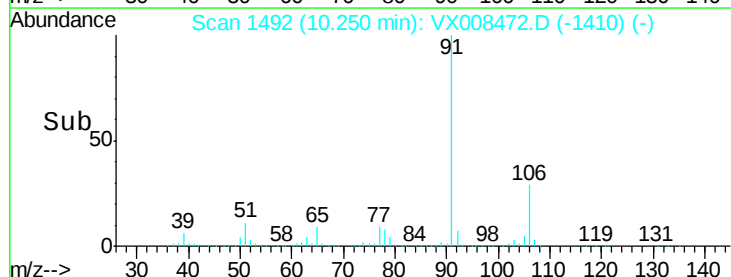
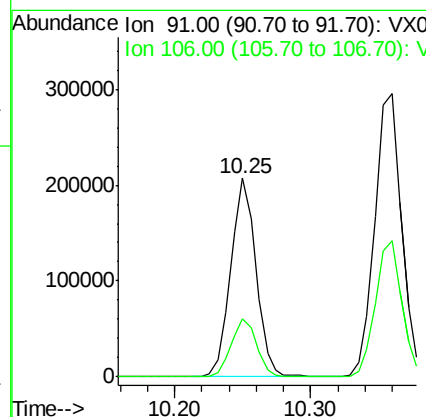
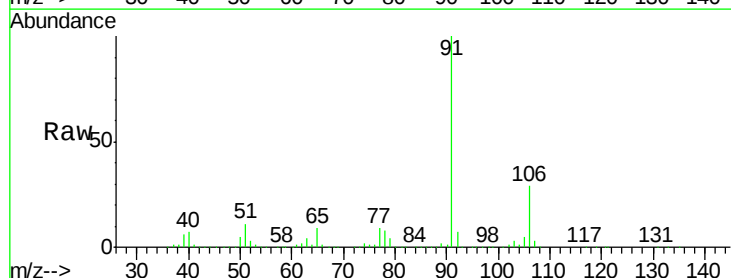
RT: 10.25 min Scan# 1492

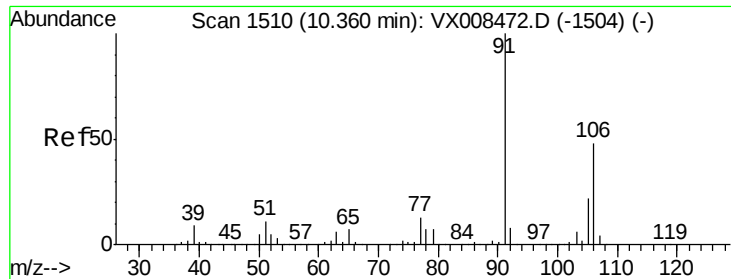
Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Tgt Ion:	91	Resp:	266843
Ion Ratio	Lower	Upper	
91	100		
106	29.1	26.0	39.0





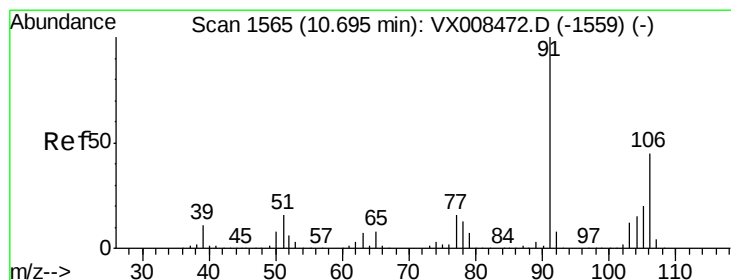
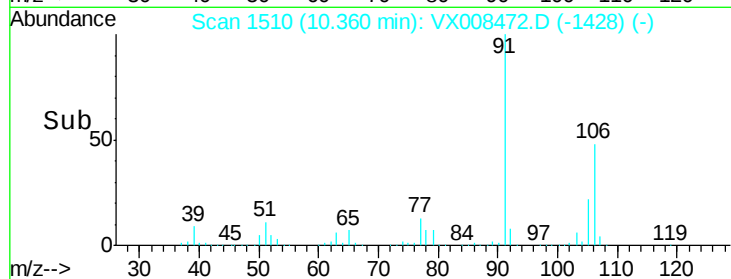
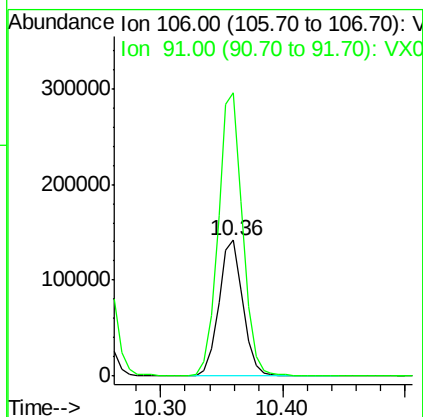
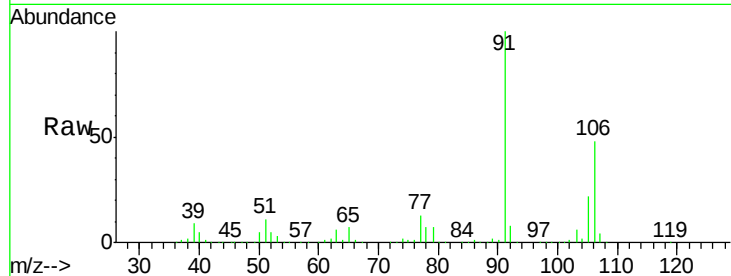
#67
m/p-Xvlenes
Concen: 42.533 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:106 Resp: 193932
Ion Ratio Lower Upper
106 100
91 210.6 157.0 235.4

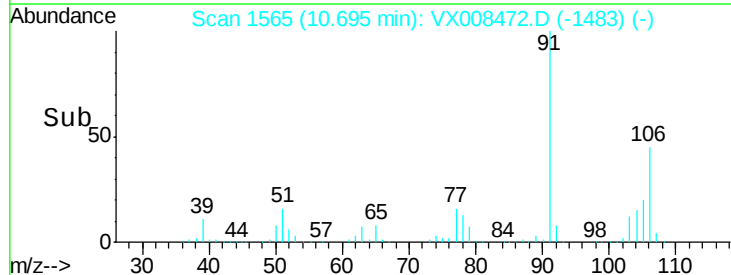
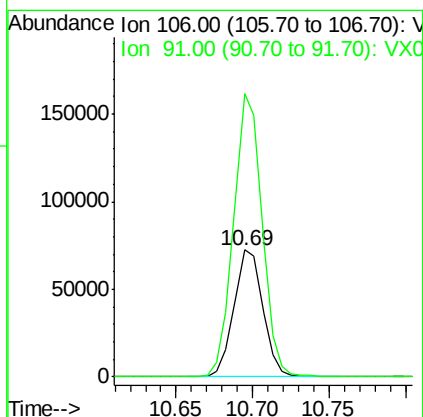
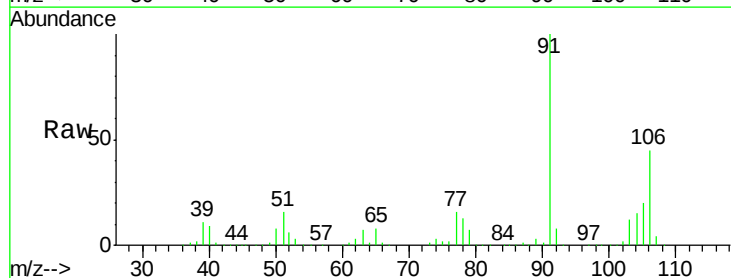
Manual Integrations
APPROVED

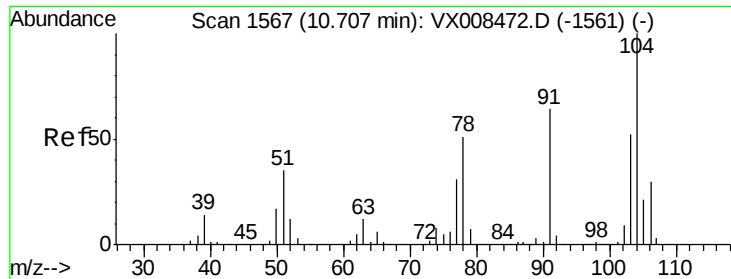
MMDadoda
3/28/2019 9:36:57 AM



#68
o-Xylene
Concen: 21.752 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion:106 Resp: 95276
Ion Ratio Lower Upper
106 100
91 218.9 104.4 313.2





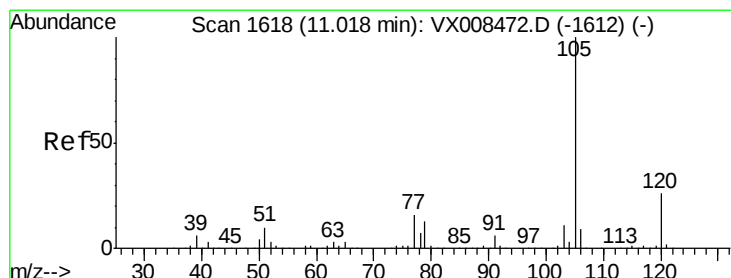
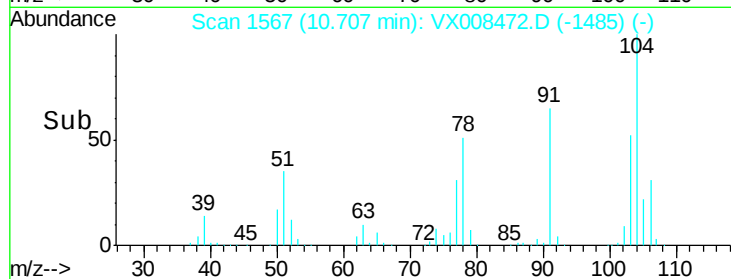
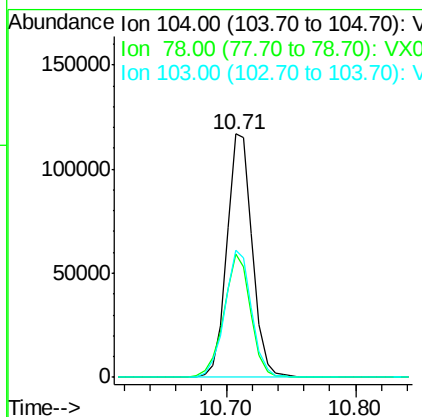
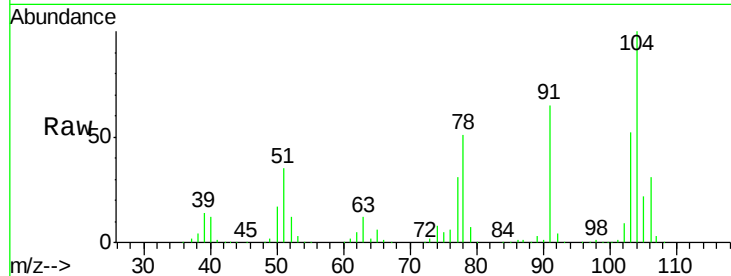
#69
Stvrene
Concen: 21.912 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.2	38.2	57.2
103	55.3	45.0	67.4

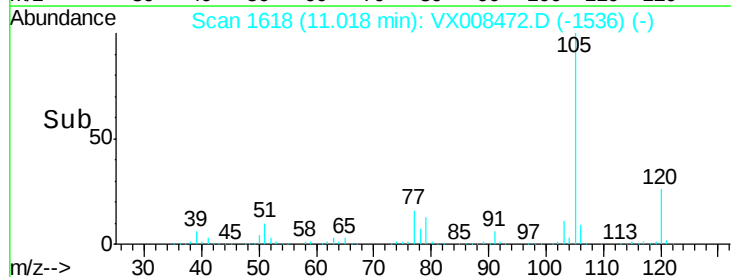
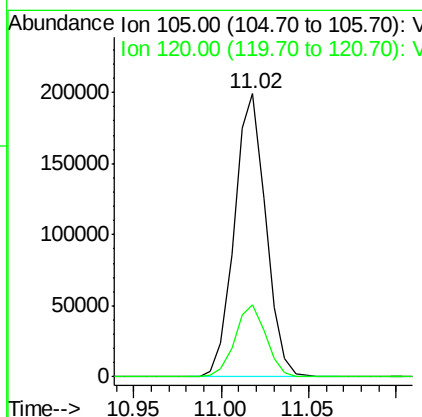
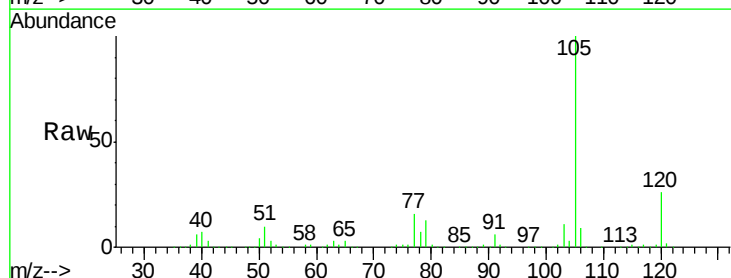
Manual Integrations
APPROVED

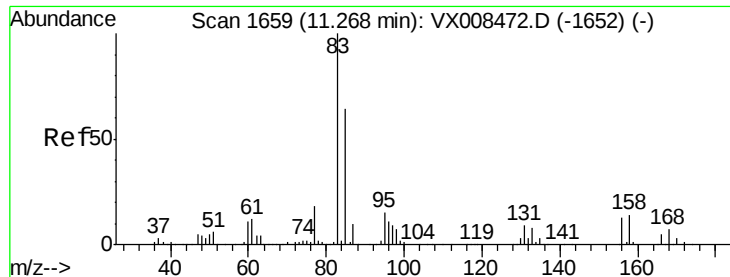
MMDadoda
3/28/2019 9:36:57 AM



#70
Isopropylbenzene
Concen: 21.588 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 23.787 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

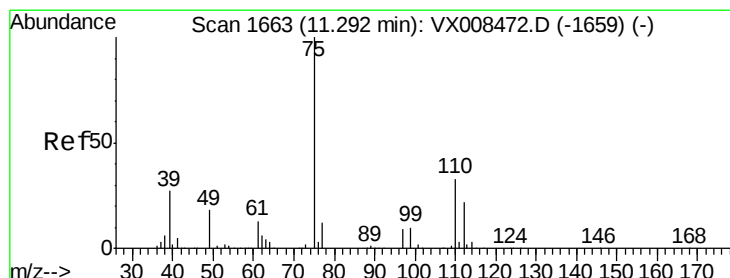
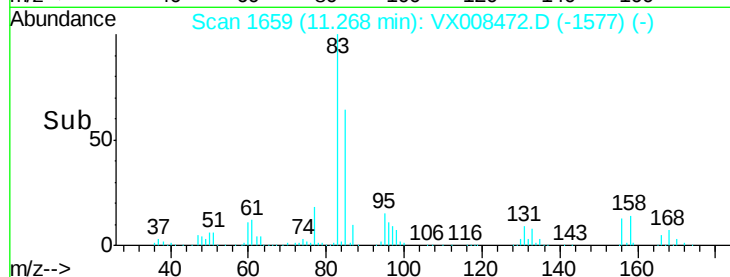
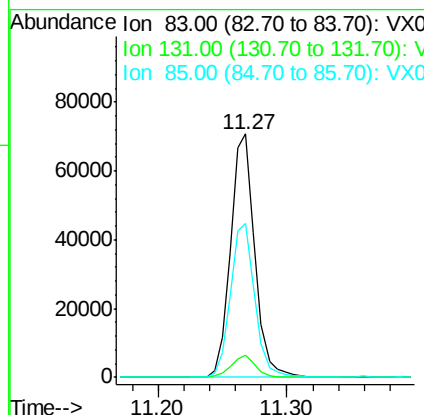
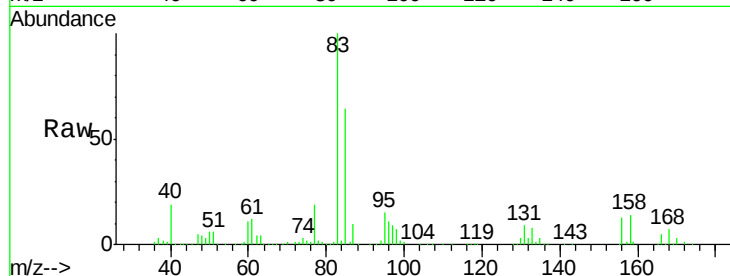
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	93473
Ion Ratio	Lower	Upper	
83	100		
131	8.9	5.4	16.2
85	63.8	32.8	98.4

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM



#72

1,2,3-Trichloropropane

Concen: 25.748 ug/l m

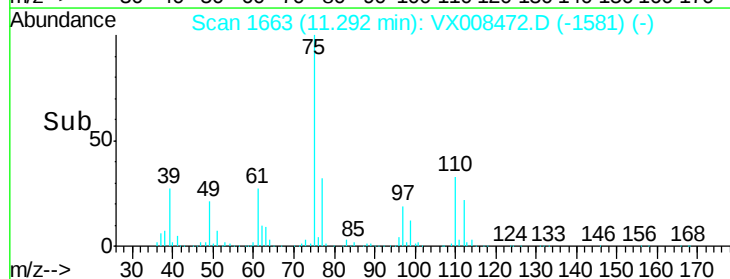
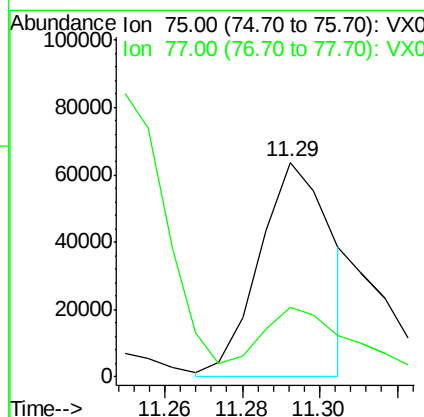
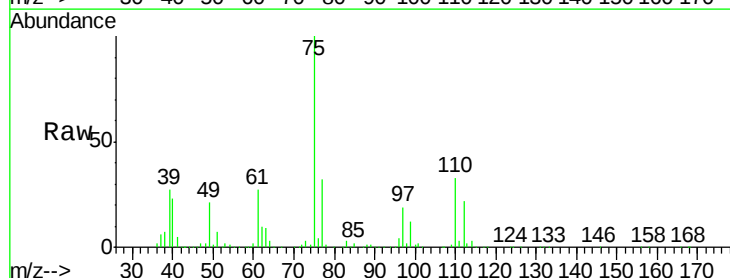
RT: 11.29 min Scan# 1663

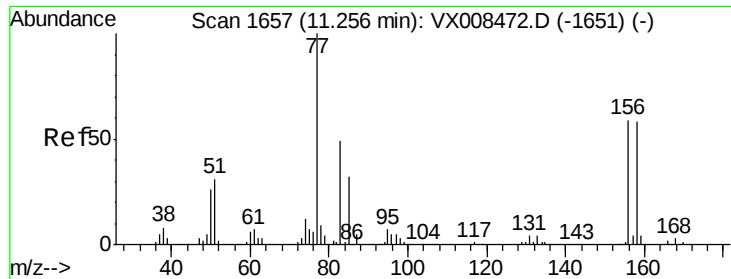
Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Tgt Ion:	75	Resp:	81505
Ion Ratio	Lower	Upper	
75	100		
77	41.6	0.0	76.4





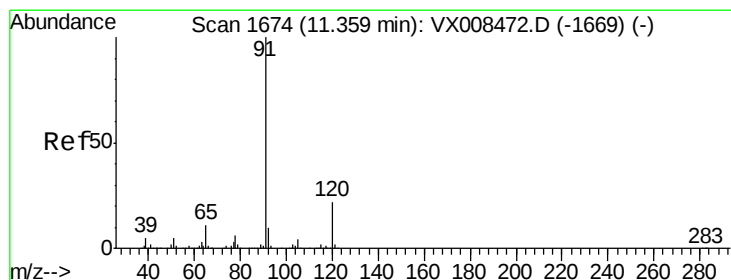
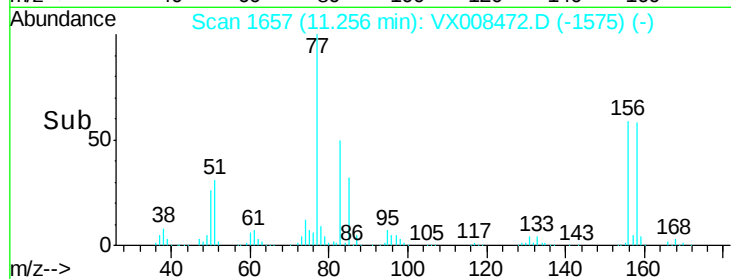
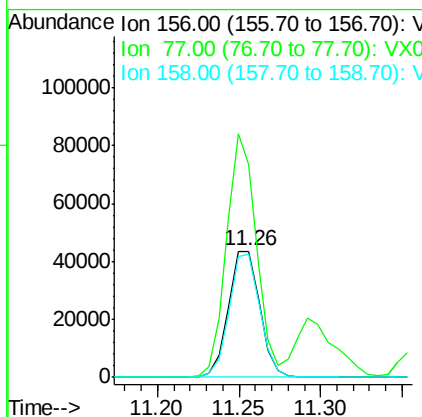
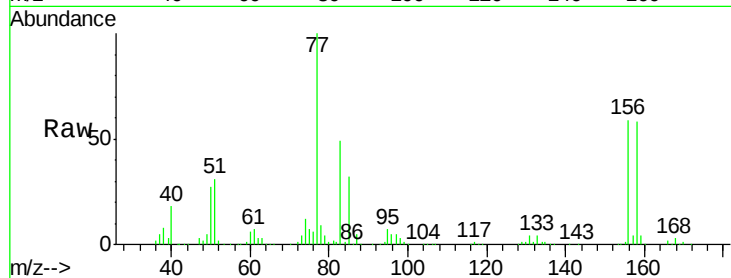
#73
Bromobenzene
Concen: 18.281 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.7	0.0	271.4
158	96.2	0.0	194.0

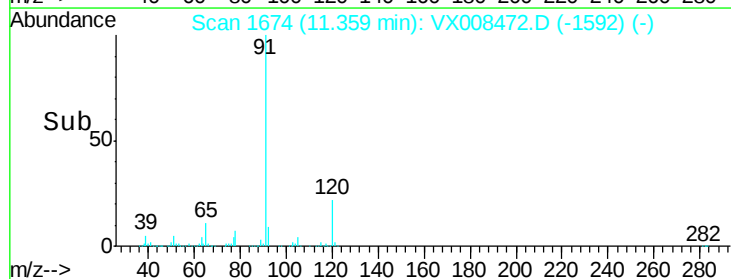
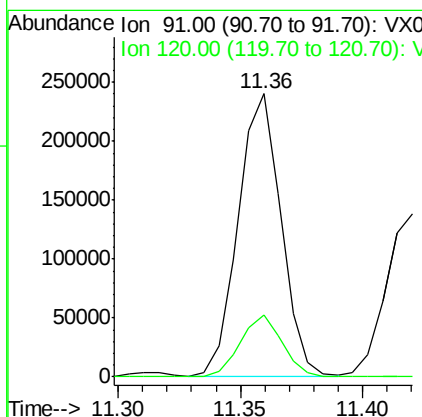
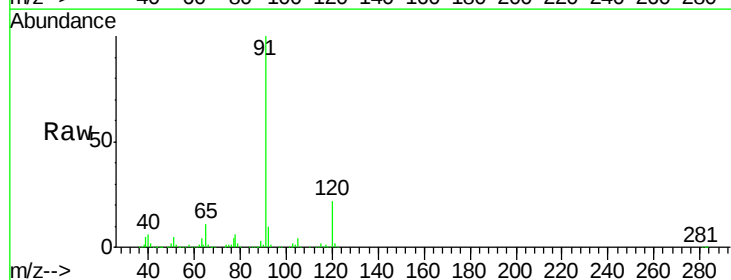
Manual Integrations
APPROVED

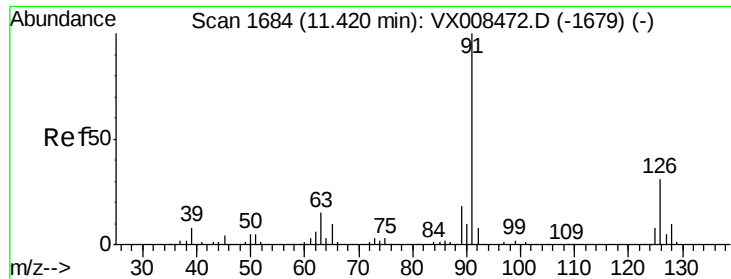
MMDadoda
3/28/2019 9:36:57 AM



#74
n-propylbenzene
Concen: 22.925 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	0.0	48.6





#75

2-Chlorotoluene

Concen: 22.971 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 176212

Ion Ratio Lower Upper

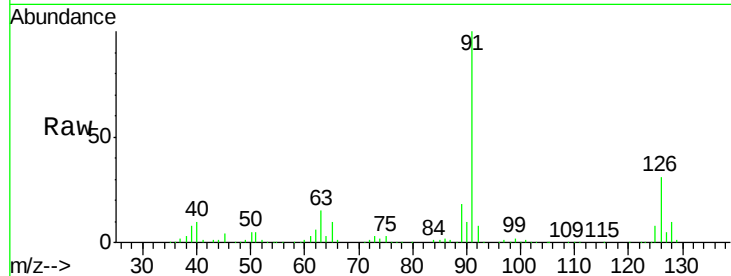
91 100

126 30.9 0.0 75.2

Manual Integrations
APPROVED

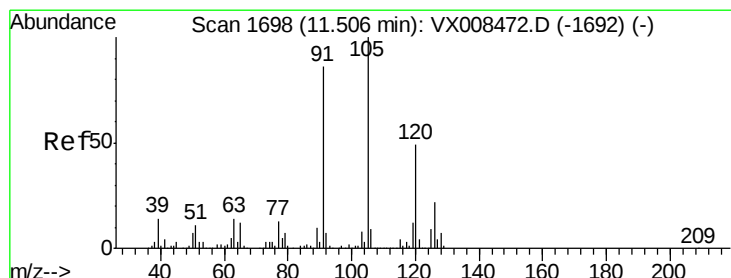
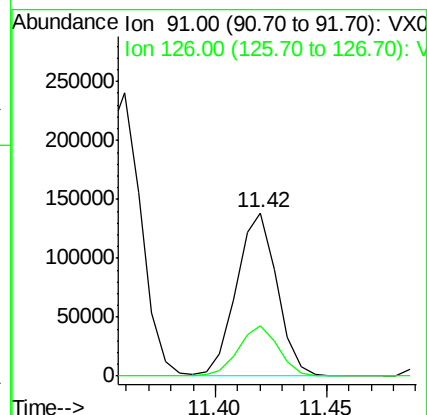
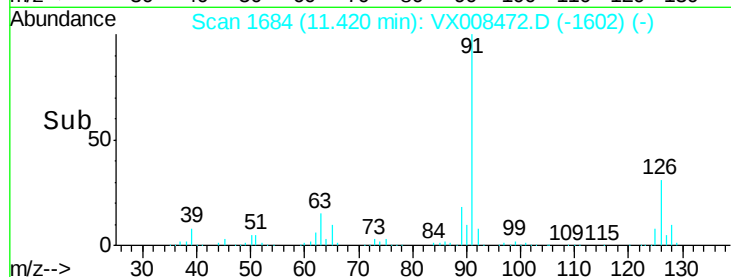
MMDadoda

3/28/2019 9:36:57 AM



Abundance Ion 91.00 (90.70 to 91.70): VX008472.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX008472.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 21.472 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008472.D

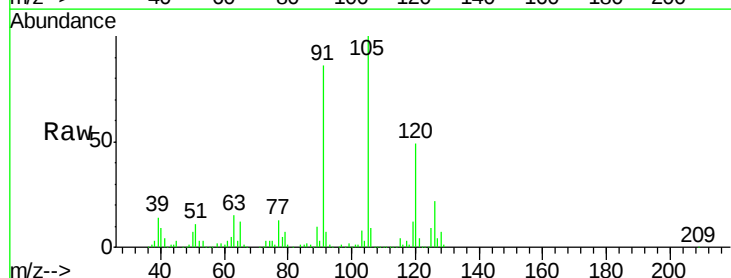
Acq: 27 Mar 2019 10:30

Tgt Ion: 105 Resp: 211387

Ion Ratio Lower Upper

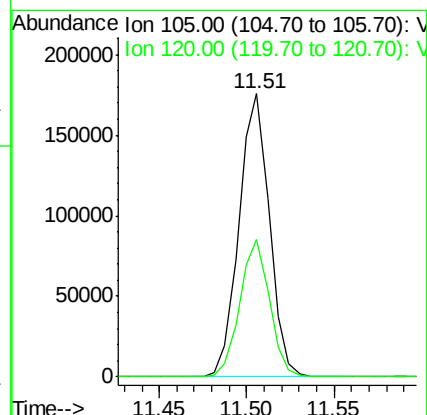
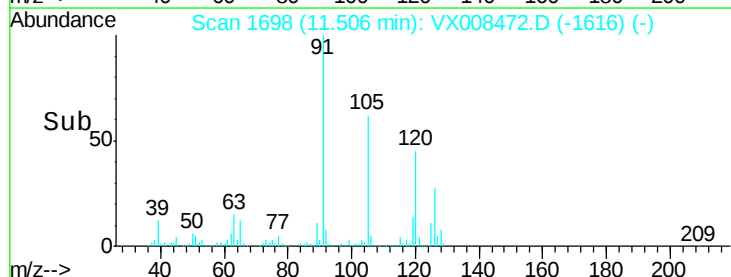
105 100

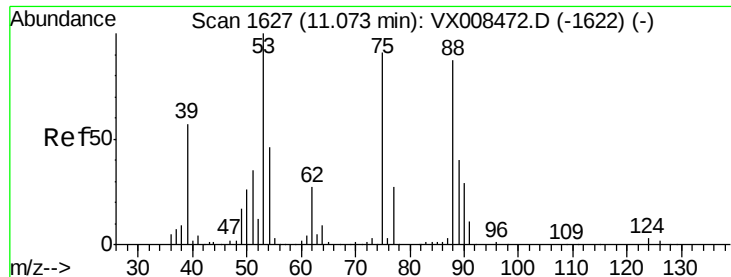
120 47.5 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008472.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008472.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 24.476 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 75 Resp: 27447

Ion Ratio Lower Upper

75 100

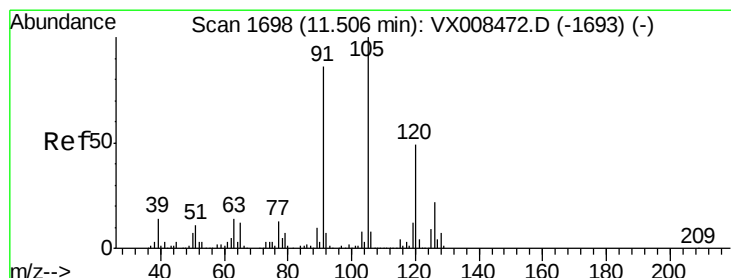
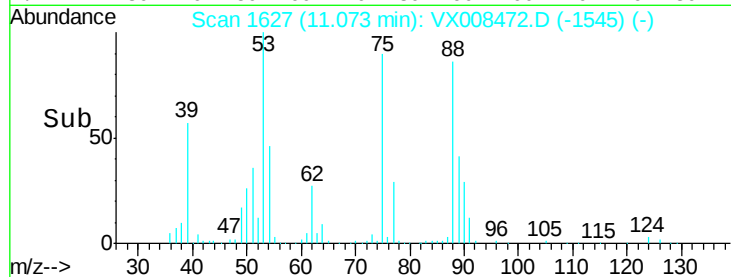
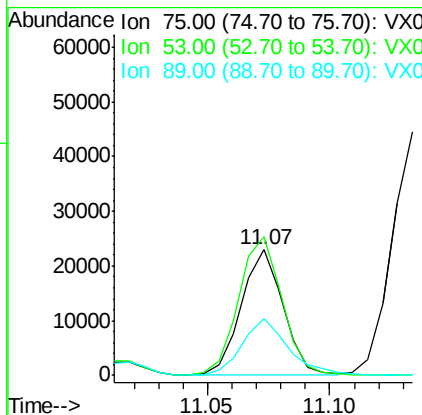
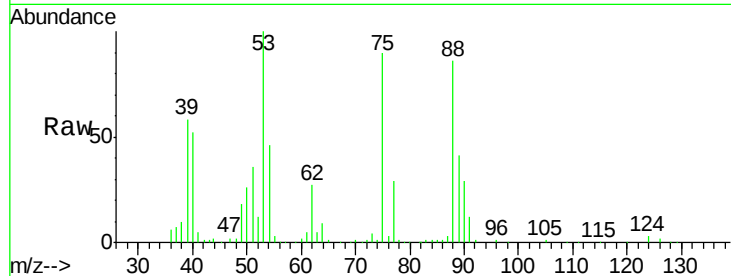
53 110.3 55.5 166.7

89 44.5 24.4 73.2

Manual Integrations
APPROVED

MMDadoda

3/28/2019 9:36:57 AM



#78

4-Chlorotoluene

Concen: 21.935 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008472.D

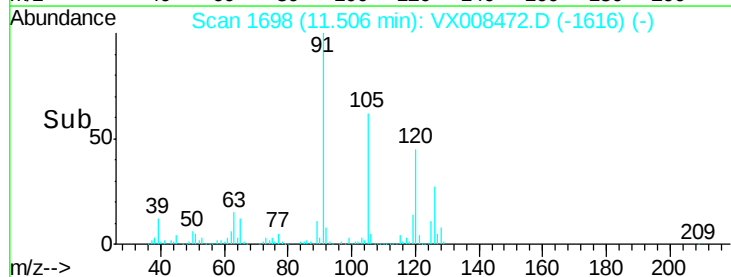
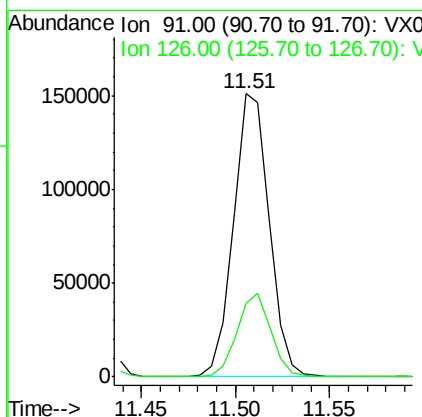
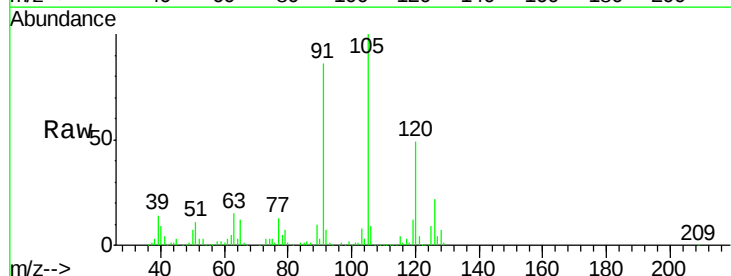
Acq: 27 Mar 2019 10:30

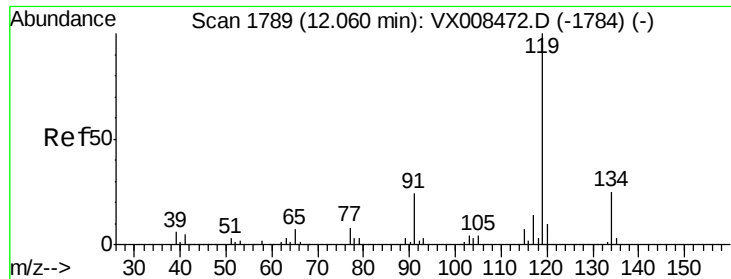
Tgt Ion: 91 Resp: 198034

Ion Ratio Lower Upper

91 100

126 27.9 0.0 66.2





#79

tert-butylbenzene

Concen: 20.867 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

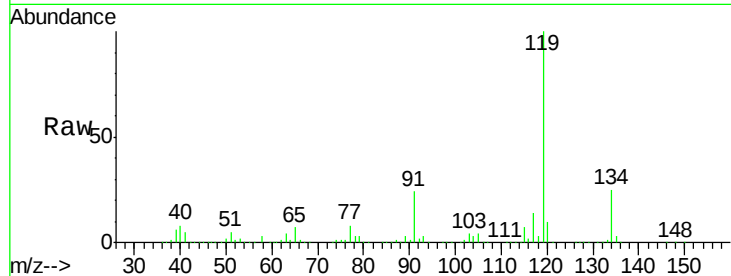
ClientSampleId :

VSTDICCC020

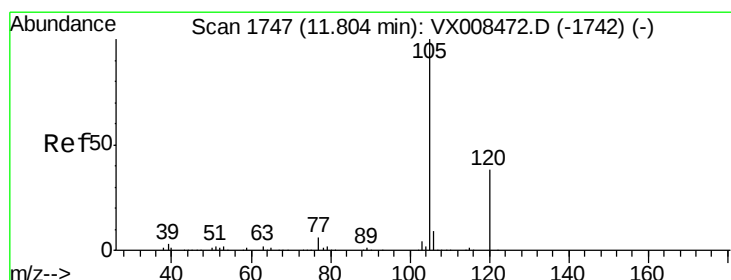
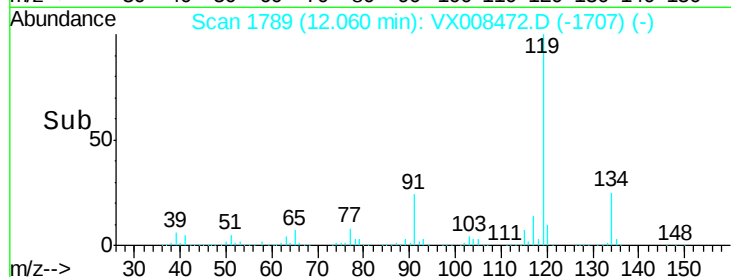
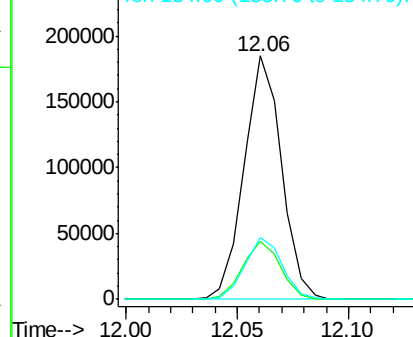
Tot Ion:	119	Resp:	216093
Ion Ratio	Lower	Upper	
119	100		
91	24.3	0.0	45.0
134	25.7	0.0	55.4

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 21.523 ug/l

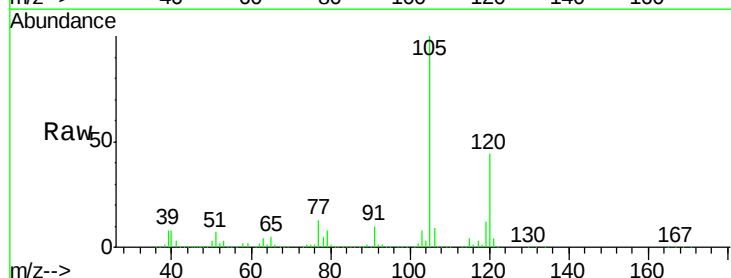
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

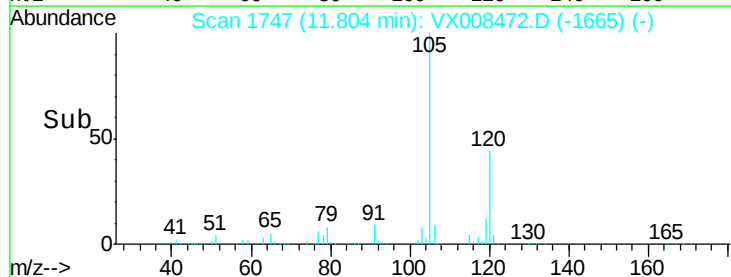
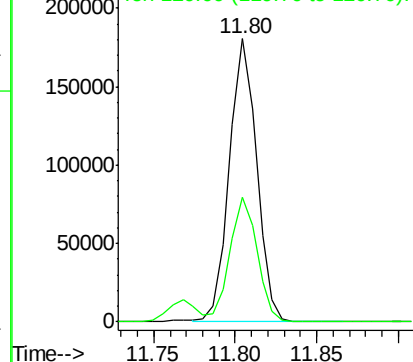
Lab File: VX008472.D

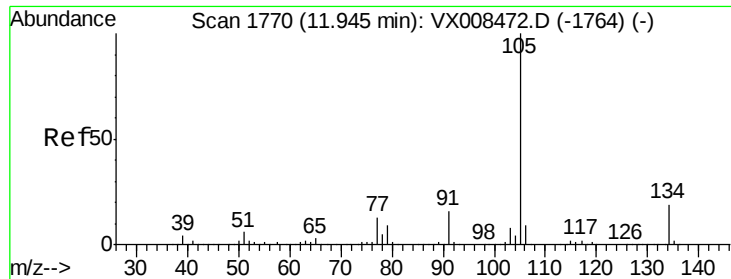
Acq: 27 Mar 2019 10:30

Tgt Ion:	105	Resp:	210550
Ion Ratio	Lower	Upper	
105	100		
120	43.8	0.0	94.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 21.498 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 241402

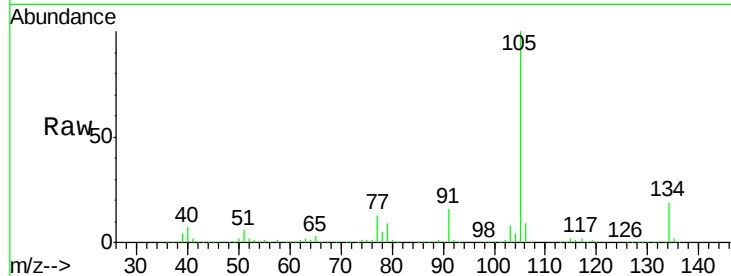
Ion Ratio Lower Upper

105 100

134 18.9 0.0 41.8

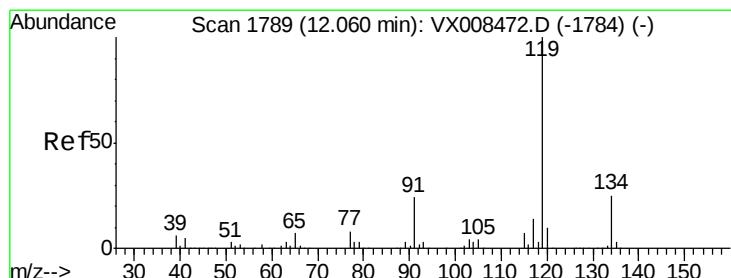
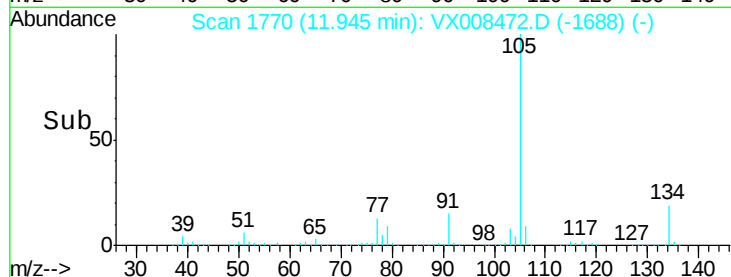
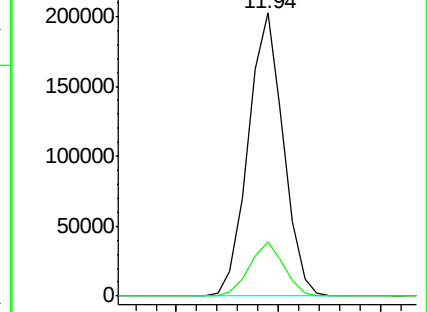
Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.867 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

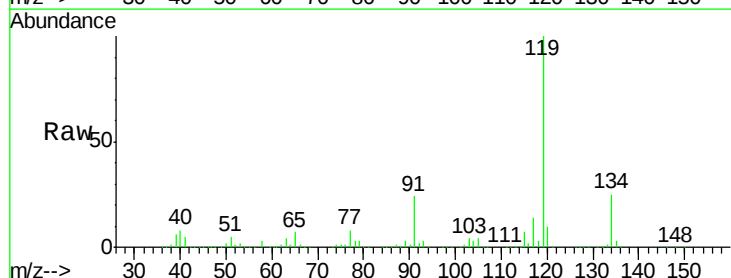
Tgt Ion:119 Resp: 216093

Ion Ratio Lower Upper

119 100

134 25.7 0.0 55.4

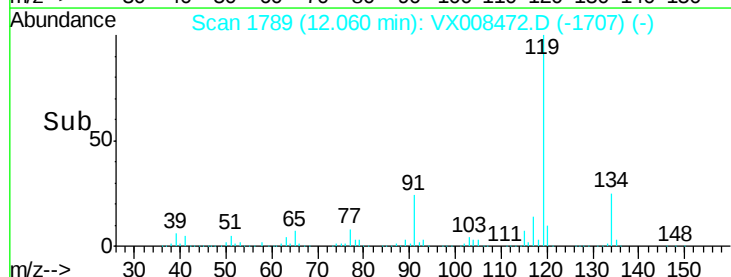
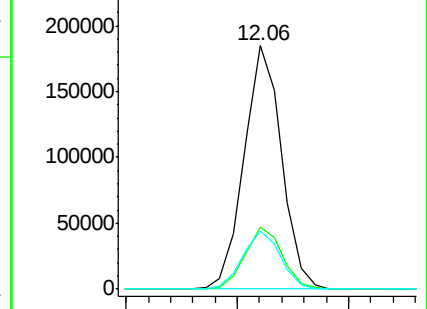
91 24.3 0.0 45.0

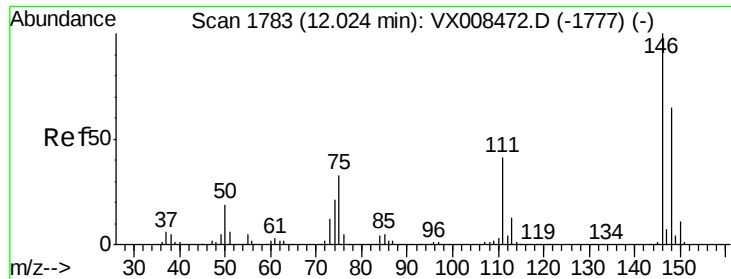


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 18.485 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

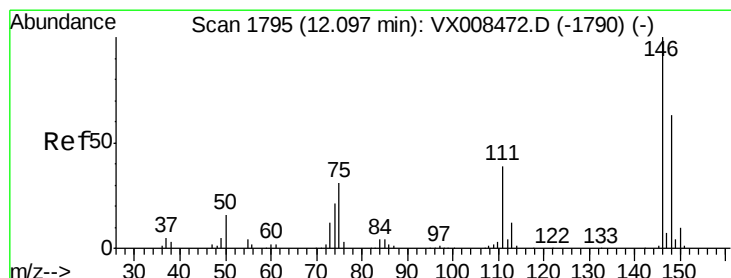
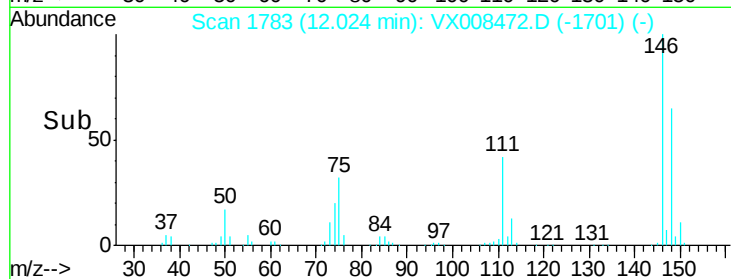
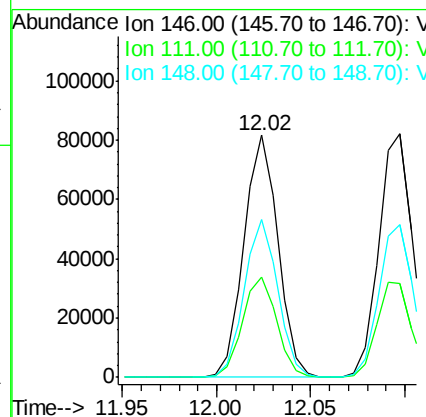
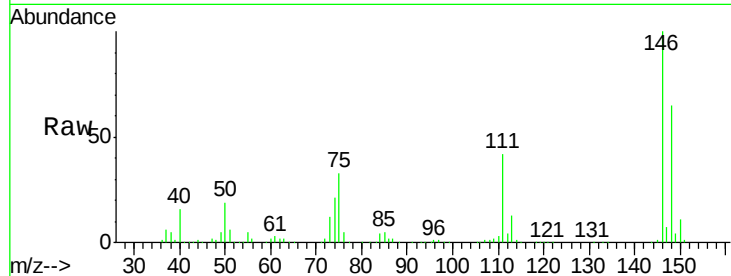
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	102298
Ion Ratio	Lower	Upper	
146	100		
111	41.3	18.8	56.3
148	64.4	30.6	91.8

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM



#84

1,4-Dichlorobenzene

Concen: 18.469 ug/l

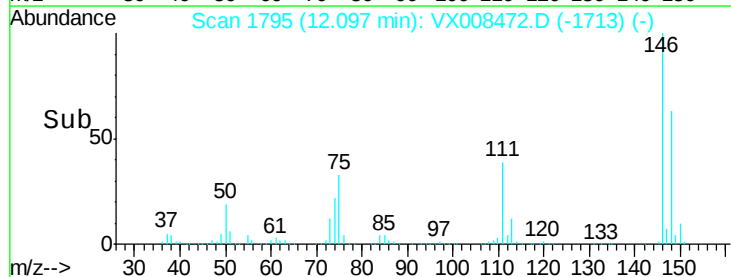
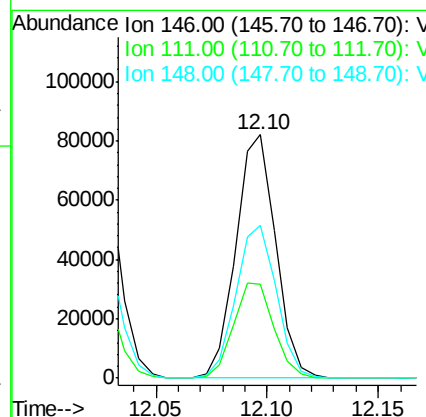
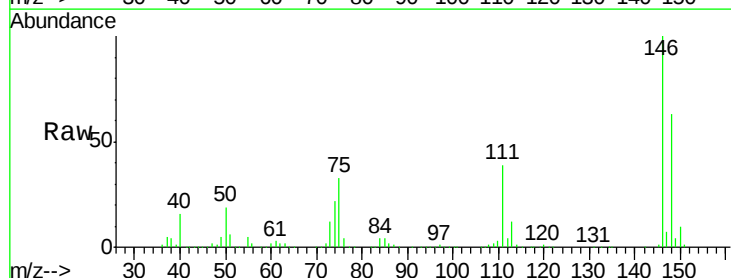
RT: 12.10 min Scan# 1795

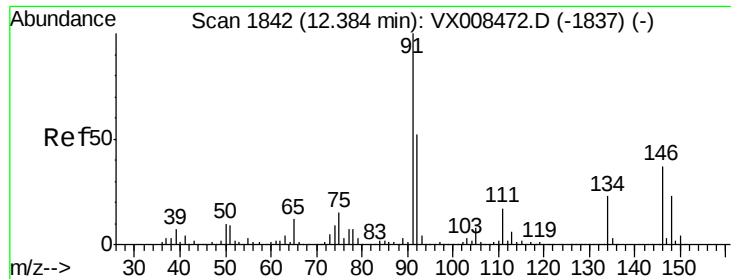
Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Tgt Ion:	146	Resp:	101783
Ion Ratio	Lower	Upper	
146	100		
111	39.8	17.6	52.8
148	64.0	31.4	94.2





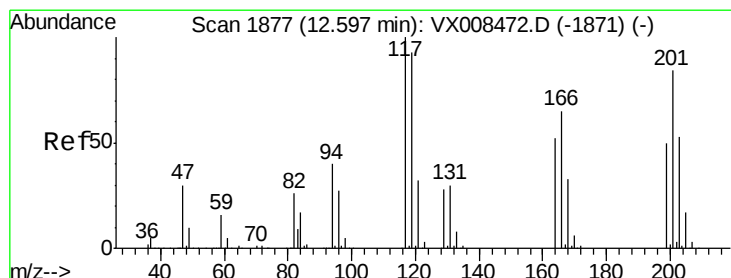
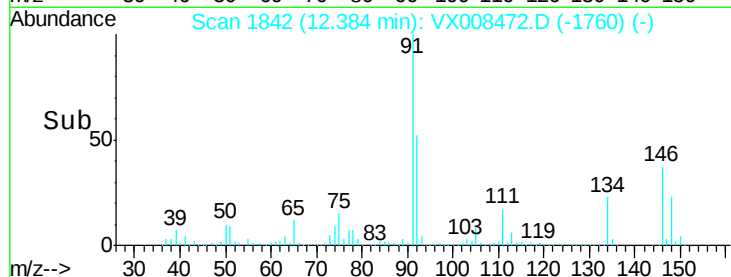
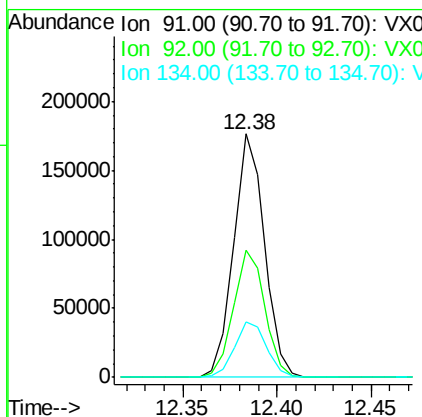
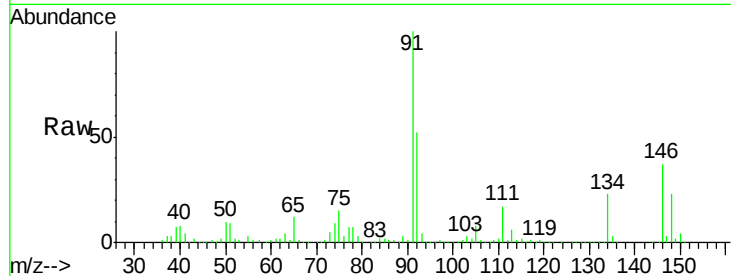
#85
n-Butylbenzene
Concen: 22.447 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	199954		
92	53.1	0.0	105.2	
134	23.6	0.0	56.4	

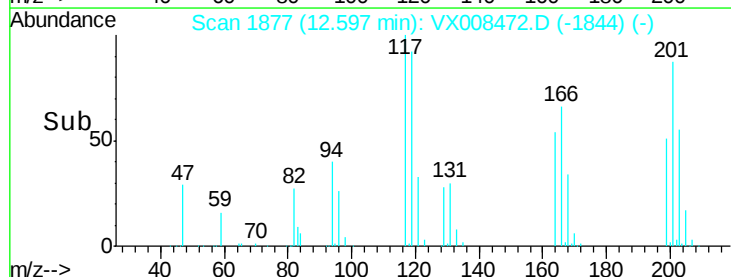
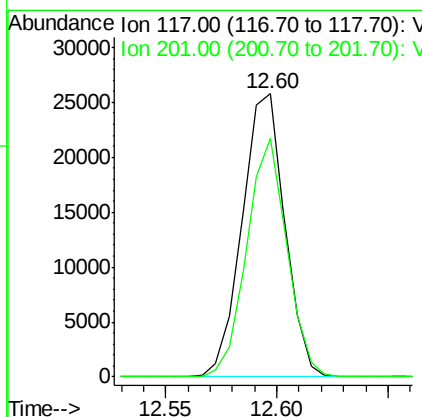
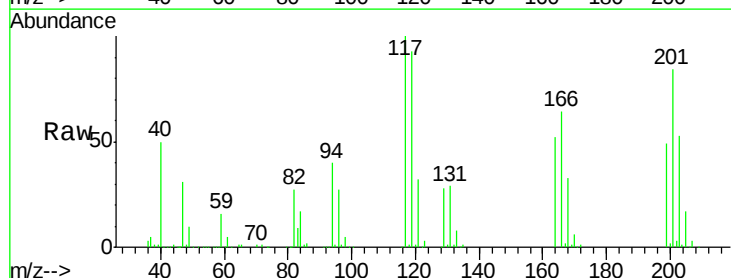
Manual Integrations
APPROVED

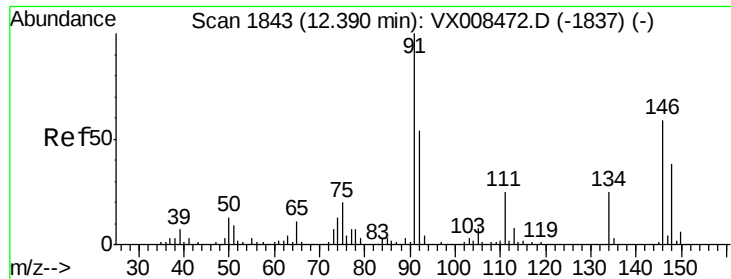
MMDadoda
3/28/2019 9:36:57 AM



#86
Hexachloroethane
Concen: 19.360 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34553		
201	79.0	41.1	123.3	





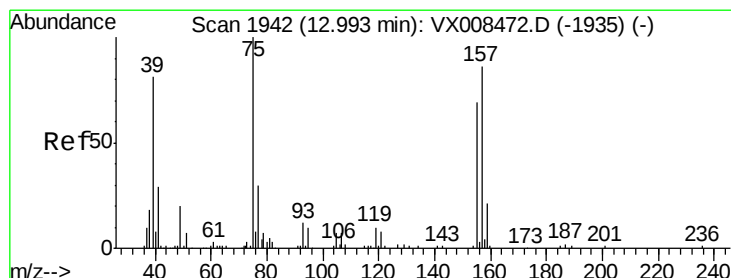
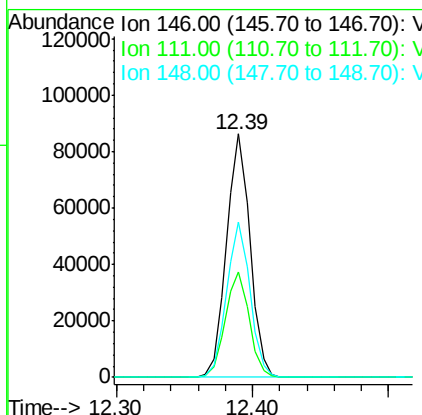
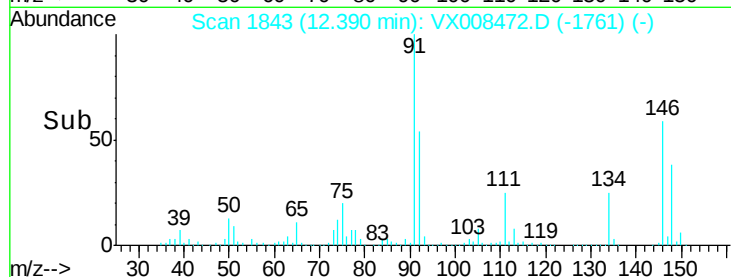
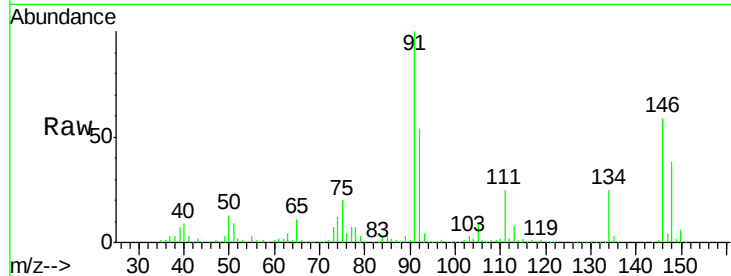
#87
 1,2-Dichlorobenzene
 Concen: 18.995 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	19.3	57.8
148	63.3	32.1	96.3

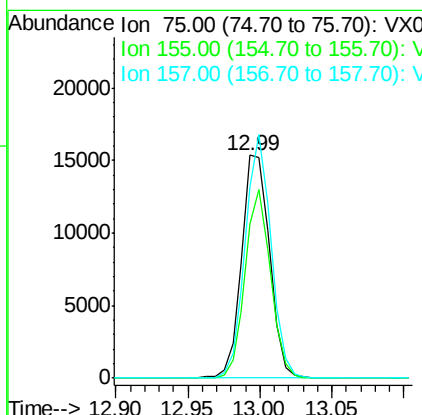
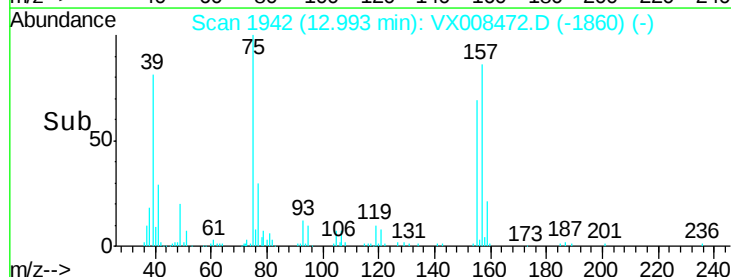
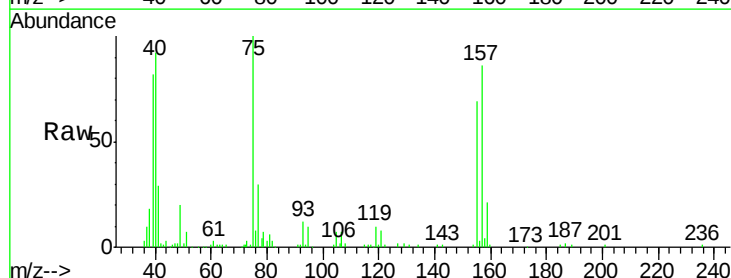
Manual Integrations
 APPROVED

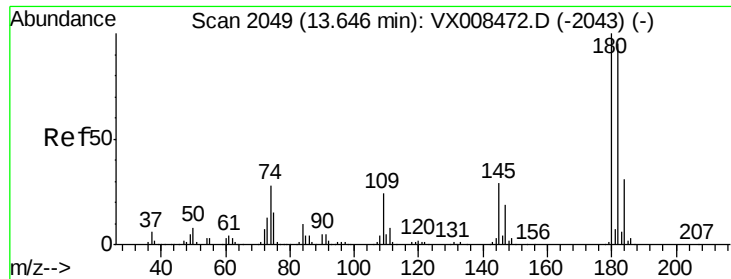
MMDadoda
 3/28/2019 9:36:57 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.085 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VX008472.D
 Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	81.0	121.6#
157	99.6	103.2	154.8#





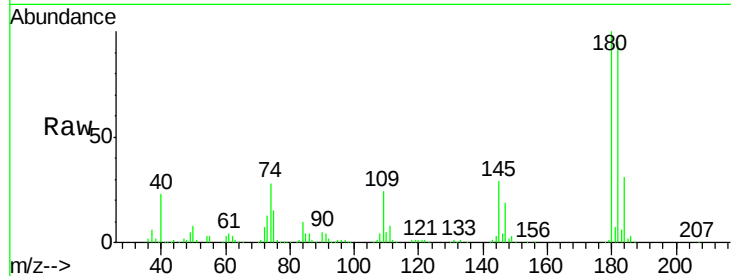
#89
1,2,4-Trichlorobenzene
Concen: 18.170 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

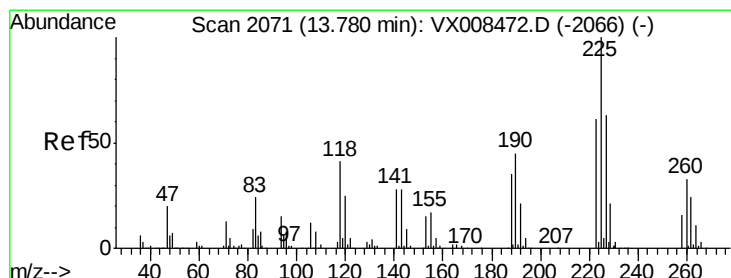
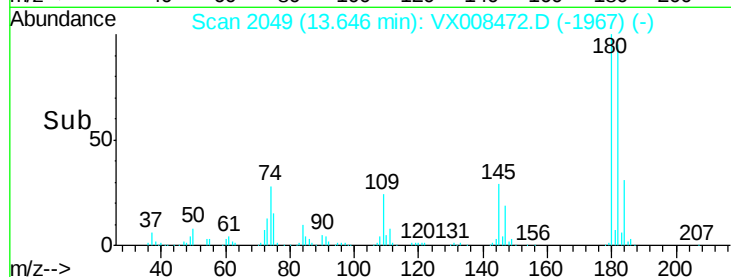
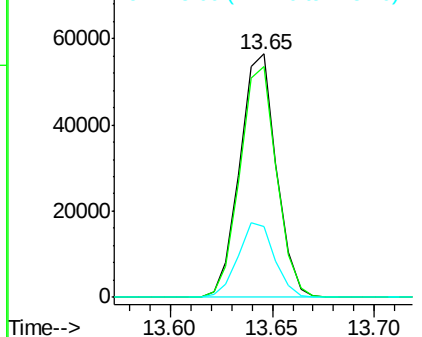
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.6	113.4
145	30.6	23.0	34.6

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM

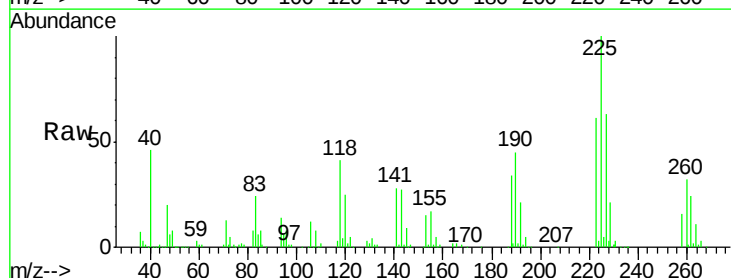


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

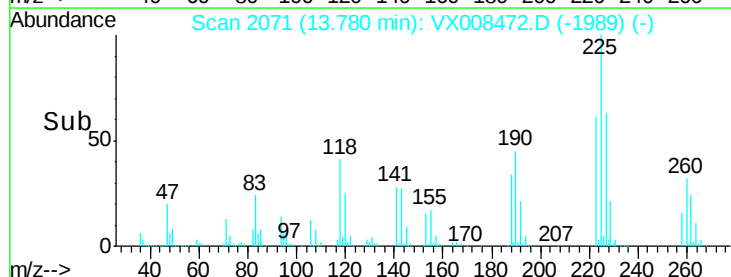
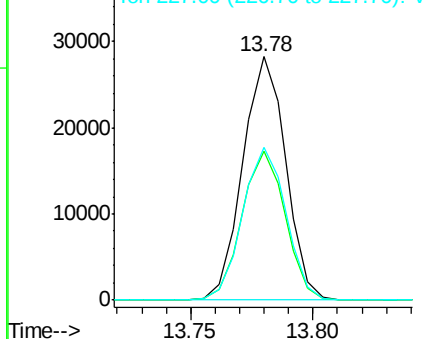


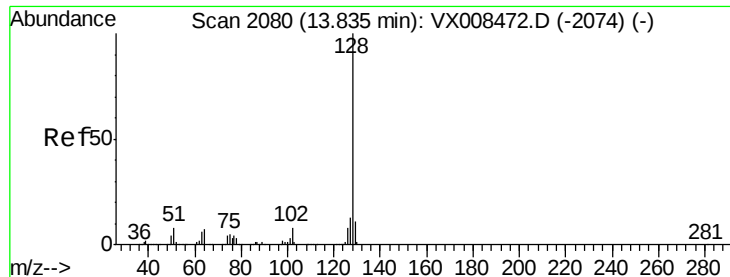
#90
Hexachlorobutadiene
Concen: 17.758 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008472.D
Acq: 27 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	0.0	123.8
227	63.7	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: 22.133 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Instrument :

MSVOA_X

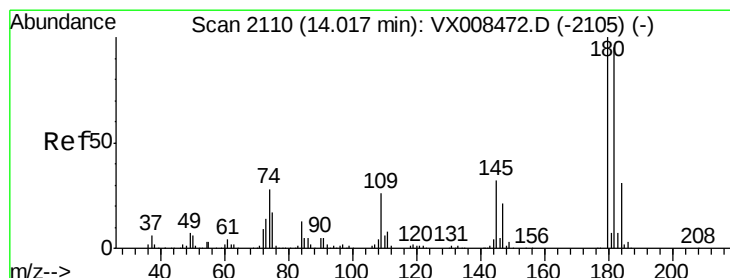
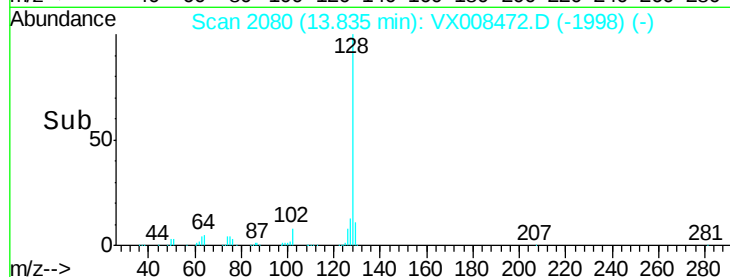
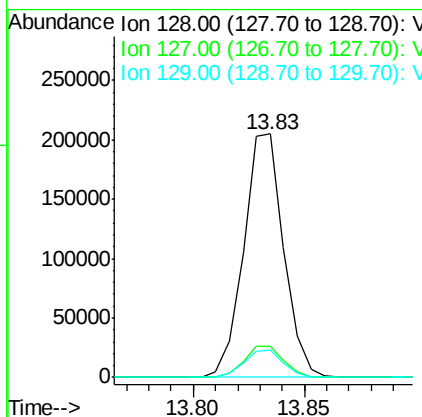
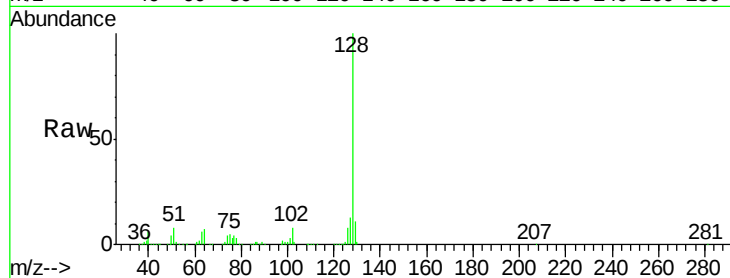
ClientSampleId :

VSTDICCC020

Tot Ion:	128	Resp:	256771
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:57 AM



#92

1,2,3-Trichlorobenzene

Concen: 18.795 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008472.D

Acq: 27 Mar 2019 10:30

Tgt Ion:	180	Resp:	73394
Ion Ratio	Lower	Upper	
180	100		
182	95.7	0.0	193.0
145	32.2	0.0	63.0

