

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062282.D
 Acq On : 24 Apr 2019 15:40
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:21:01 AM

Quant Time: Apr 25 08:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	454724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	651386	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	497658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	266160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	279224	75.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.44%	
35) Dibromofluoromethane	4.32	113	349853	70.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.14%	
50) Toluene-d8	7.73	98	883865	74.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.32%	
62) 4-Bromofluorobenzene	11.50	95	343421	68.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	391346	69.564	ug/l	96
3) Chloromethane	1.16	50	327365	69.484	ug/l	92
4) Vinyl Chloride	1.20	62	322211	72.902	ug/l	100
5) Bromomethane	1.40	94	218725	73.321	ug/l	86
6) Chloroethane	1.45	64	148036	76.443	ug/l	97
7) Trichlorofluoromethane	1.56	101	523425	75.074	ug/l	93
8) Diethyl Ether	1.72	74	91232	72.807	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	319982	73.219	ug/l	99
10) Methyl Iodide	1.99	142	569389	74.852	ug/l	100
11) Tert butyl alcohol	2.71	59	85591	389.857	ug/l	98
12) 1,1-Dichloroethene	1.87	96	279142	69.609	ug/l	94
13) Acrolein	2.11	56	81223	558.611	ug/l	99
14) Allyl chloride	2.21	41	329485	54.498	ug/l #	69
15) Acrylonitrile	3.10	53	227005	357.511	ug/l	100
16) Acetone	2.36	43	302807	367.562	ug/l	95
17) Carbon Disulfide	1.93	76	750759m	72.201	ug/l	
18) Methyl Acetate	2.47	43	115445	56.518	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	551799	74.682	ug/l	99
20) Methylene Chloride	2.34	84	267843m	51.390	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	283622	73.637	ug/l	99
22) Diisopropyl ether	2.94	45	820039	71.262	ug/l	99
23) Vinyl Acetate	3.36	43	1897130	380.530	ug/l	99
24) 1,1-Dichloroethane	3.02	63	503583	78.010	ug/l	98
25) 2-Butanone	4.53	43	490420	375.604	ug/l	98
26) 2,2-Dichloropropane	3.79	77	254704	75.546	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	363257	73.729	ug/l	98
28) Bromochloromethane	3.91	49	195793	69.353	ug/l #	97
29) Tetrahydrofuran	4.29	42	205801	361.628	ug/l	98
30) Chloroform	4.07	83	634718	78.829	ug/l	96
31) Cyclohexane	3.89	56	469531	75.191	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	497357	82.943	ug/l #	84
36) 1,1-Dichloropropene	4.48	75	436546	70.562	ug/l	100
37) Ethyl Acetate	4.31	43	178428	70.241	ug/l #	74
38) Carbon Tetrachloride	4.20	117	486842m	80.536	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062282.D
 Acq On : 24 Apr 2019 15:40
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:21:01 AM

Quant Time: Apr 25 08:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	507447	69.602	ug/l	98
40) Benzene	4.84	78	1077964	72.239	ug/l	99
41) Methacrylonitrile	4.95	41	103498	72.944	ug/l	96
42) 1,2-Dichloroethane	5.14	62	352201	76.858	ug/l	100
43) Isopropyl Acetate	7.12	43	200792	74.944	ug/l #	100
44) Trichloroethene	5.69	130	340704	67.507	ug/l	98
45) 1,2-Dichloropropane	6.41	63	238929	72.688	ug/l	99
46) Dibromomethane	6.28	93	181021	76.024	ug/l	99
47) Bromodichloromethane	6.56	83	422963	75.454	ug/l	99
48) Methyl methacrylate	6.89	41	140793	76.584	ug/l	99
49) 1,4-Dioxane	6.88	88	29551	1404.481	ug/l	96
51) 4-Methyl-2-Pentanone	8.42	43	701007	341.956	ug/l	99
52) Toluene	7.79	92	626427	73.193	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	303093	74.244	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	393594	74.249	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	182976	78.220	ug/l	97
56) Ethyl methacrylate	8.77	69	195323	74.692	ug/l	99
57) 1,3-Dichloropropane	9.01	76	282120	76.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	280420	347.118	ug/l	99
59) 2-Hexanone	9.63	43	469986	235.095	ug/l	98
60) Dibromochloromethane	8.87	129	300572	79.741	ug/l	99
61) 1,2-Dibromoethane	9.14	107	208087	76.336	ug/l	95
64) Tetrachloroethene	8.32	164	308185	72.048	ug/l	98
65) Chlorobenzene	9.94	112	692492	75.026	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	311963	70.120	ug/l	98
67) Ethyl Benzene	10.04	91	1123374	68.612	ug/l	100
68) m/p-Xylenes	10.27	106	852871	141.078	ug/l	95
69) o-Xylene	10.83	106	493263	72.688	ug/l	92
70) Styrene	10.90	104	669224	68.167	ug/l	99
71) Bromoform	10.89	173	178618	73.972	ug/l #	98
73) Isopropylbenzene	11.22	105	1353289	71.218	ug/l	95
74) N-amyl acetate	11.45	43	285059	66.074	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	223109	78.515	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	157446	76.781	ug/l #	100
77) Bromobenzene	11.59	156	343134	74.873	ug/l	99
78) n-propylbenzene	11.68	91	1380573	69.817	ug/l	98
79) 2-Chlorotoluene	11.81	91	869292	73.969	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1098733	69.107	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	66701m	56.016	ug/l	
82) 4-Chlorotoluene	11.98	91	825001	70.838	ug/l	97
83) tert-Butylbenzene	12.20	119	1159269	69.542	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1062089	67.929	ug/l	97
85) sec-Butylbenzene	12.38	105	1403190	67.808	ug/l	99
86) p-Isopropyltoluene	12.53	119	1261367	68.477	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	561140	67.291	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	558127	71.376	ug/l	98
89) n-Butylbenzene	12.90	91	1082554	63.019	ug/l	98
90) Hexachloroethane	12.98	117	332810	72.822	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	560483	69.917	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	44701	77.389	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042419\
Data File : VF062282.D
Acq On : 24 Apr 2019 15:40
Operator : FY/SY
Sample : VSTDICC075
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC075

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM

Quant Time: Apr 25 08:23:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 25 07:31:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	482135	67.882	ug/l	98
94) Hexachlorobutadiene	14.23	225	358740	71.161	ug/l	99
95) Naphthalene	14.50	128	788718	74.788	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	470316	71.944	ug/l	99

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

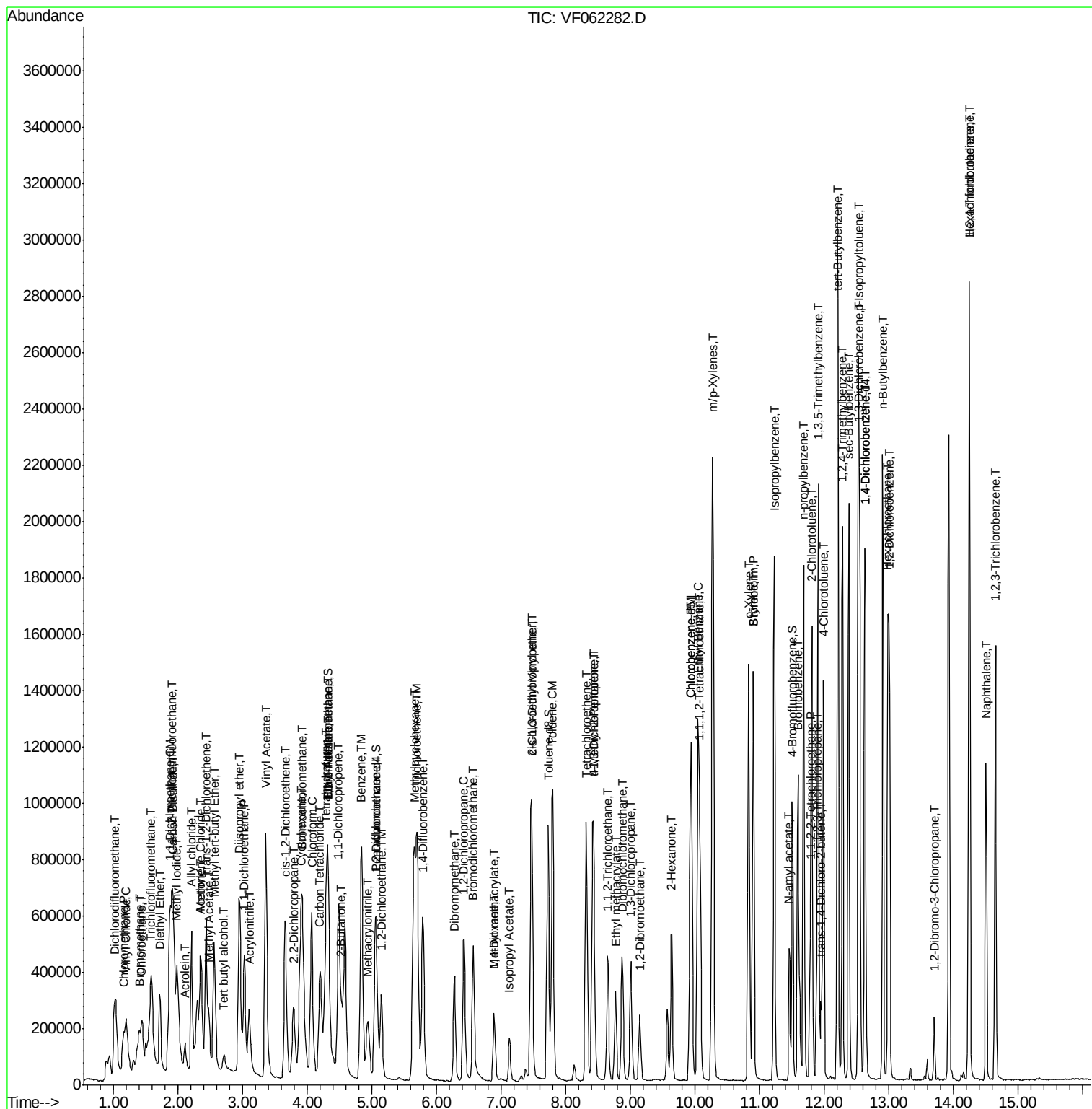
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042419\
Data File : VF062282.D
Acq On : 24 Apr 2019 15:40
Operator : FY/SY
Sample : VSTDIC075
Misc : 5.00µL/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

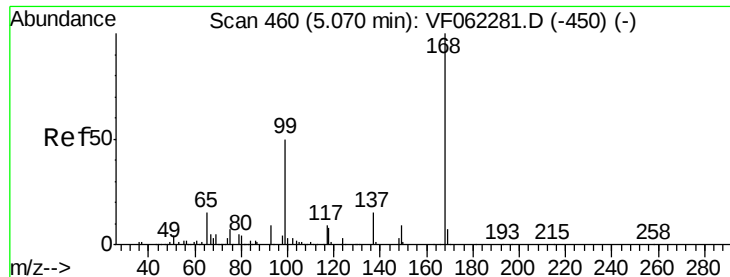
Instrument :
MSVOA_F
Client Sample Id :
VSTDIC075

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM

Quant Time: Apr 25 08:23:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 25 07:31:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 454724

Ion Ratio Lower Upper

168 100

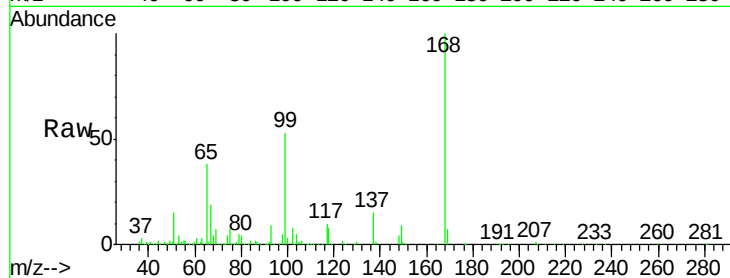
99 52.8 40.0 60.0

Manual Integrations

APPROVED

MMDadoda

4/26/2019 9:21:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.06

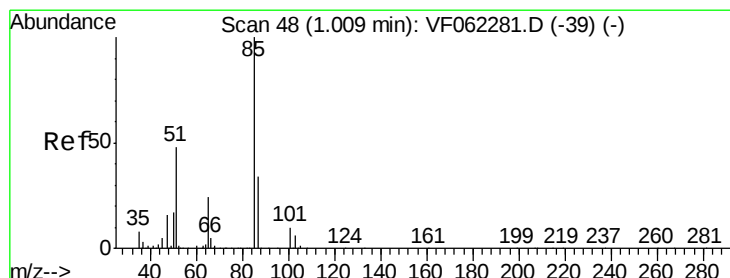
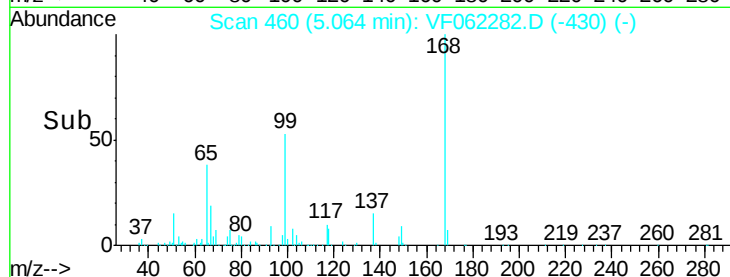
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 69.564 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062282.D

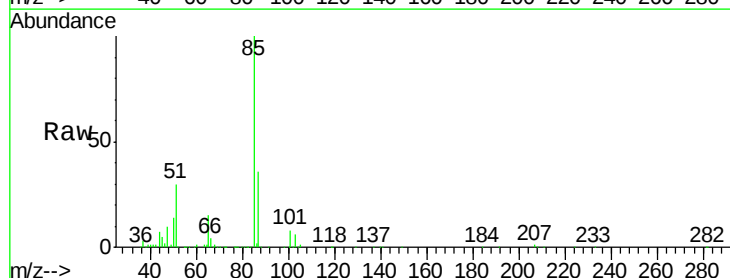
Acq: 24 Apr 2019 15:40

Tgt Ion: 85 Resp: 391346

Ion Ratio Lower Upper

85 100

87 36.3 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

120000

100000

80000

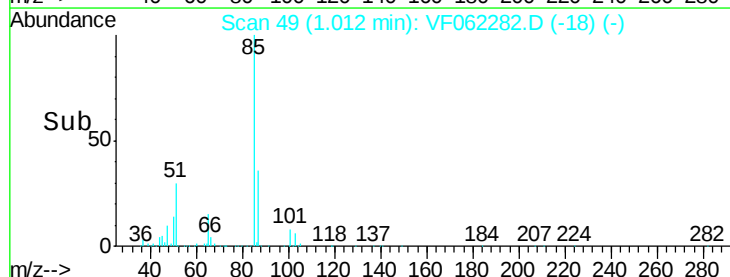
60000

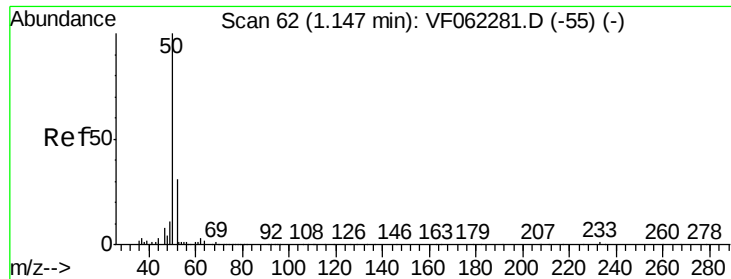
40000

20000

0

Time-->





#3

Chloromethane

Concen: 69.484 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 327365

Ion Ratio Lower Upper

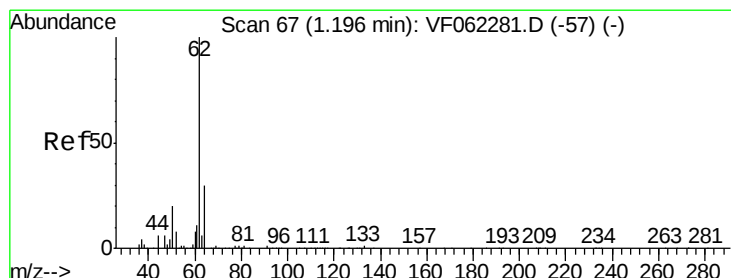
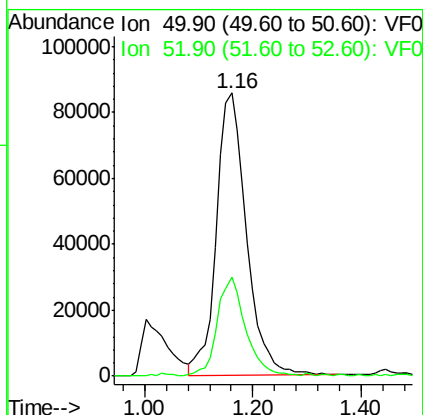
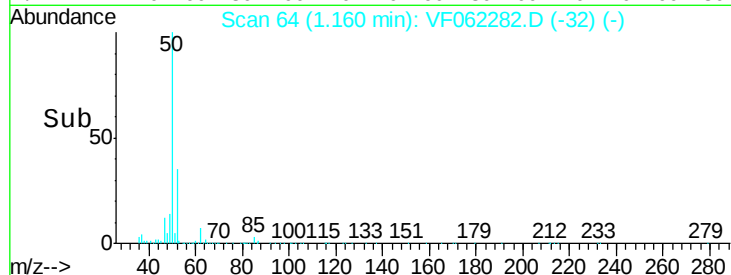
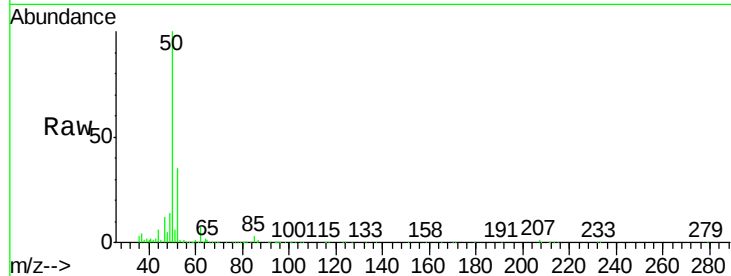
50 100

52 34.8 24.2 36.4

Manual Integrations
APPROVED

MMDadoda

4/26/2019 9:21:01 AM



#4

Vinyl Chloride

Concen: 72.902 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.00 min

Lab File: VF062282.D

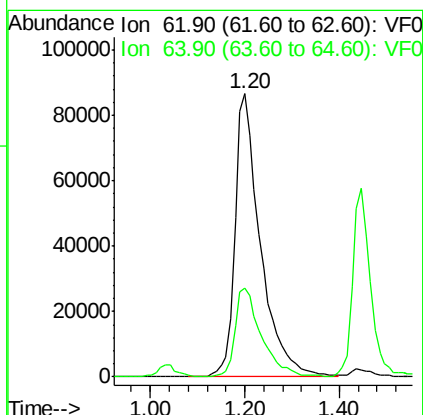
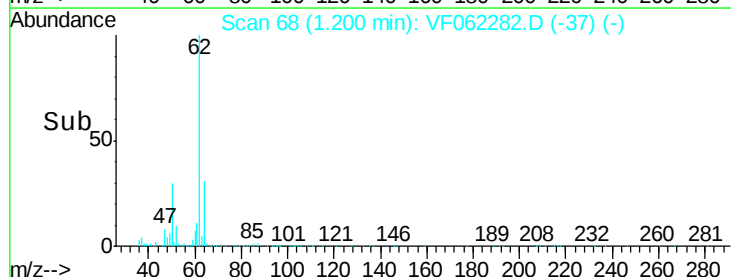
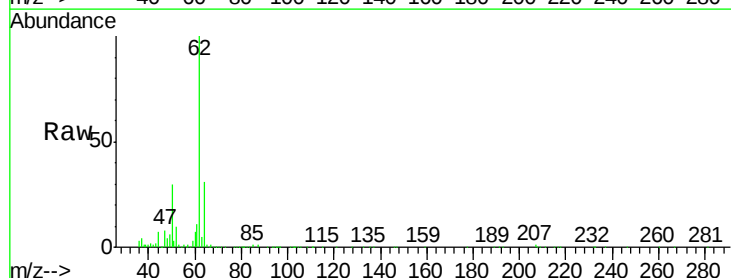
Acq: 24 Apr 2019 15:40

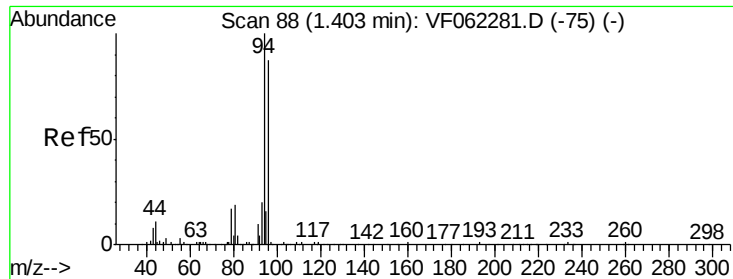
Tgt Ion: 62 Resp: 322211

Ion Ratio Lower Upper

62 100

64 30.5 24.3 36.5





#5

Bromomethane

Concen: 73.321 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 218725

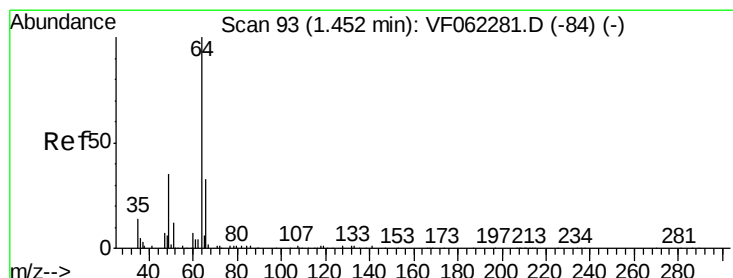
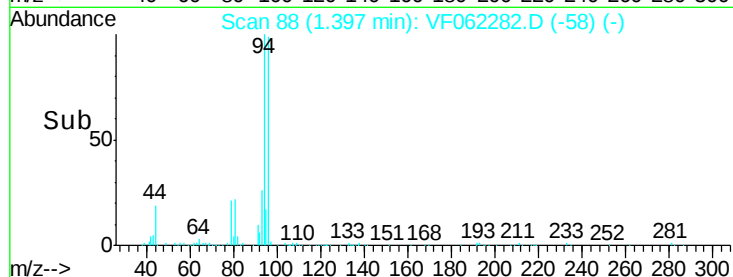
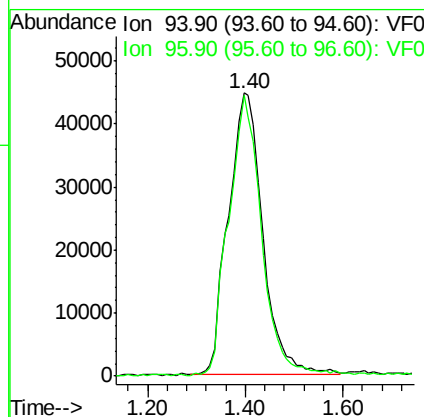
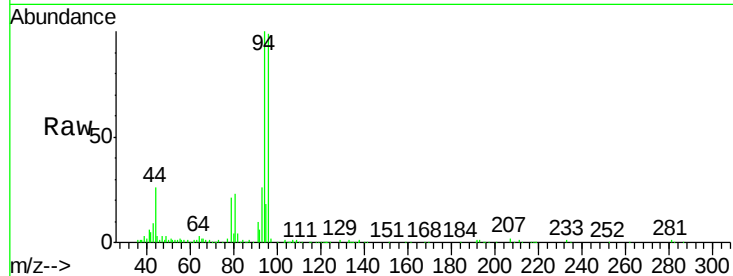
Ion Ratio Lower Upper

94 100

96 99.8 69.5 104.3

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



#6

Chloroethane

Concen: 76.443 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062282.D

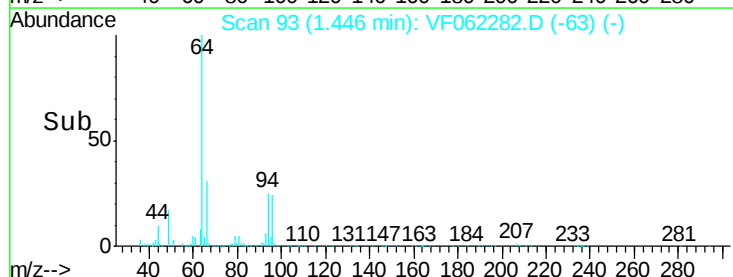
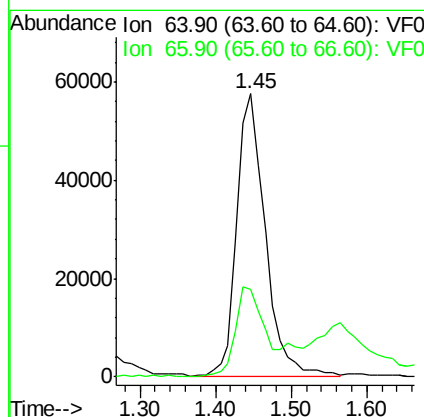
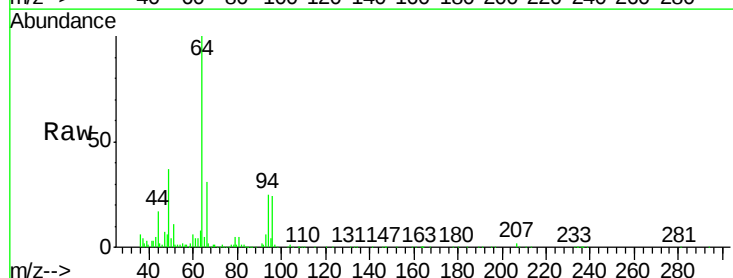
Acq: 24 Apr 2019 15:40

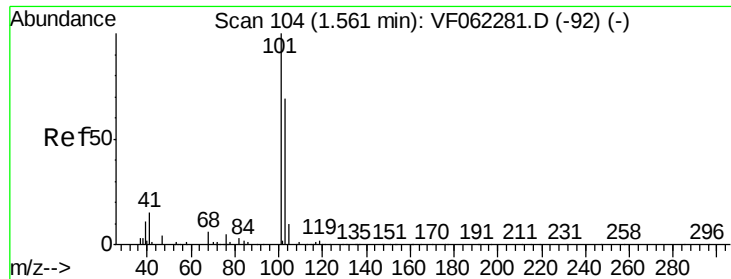
Tgt Ion: 64 Resp: 148036

Ion Ratio Lower Upper

64 100

66 30.5 26.0 39.0





#7

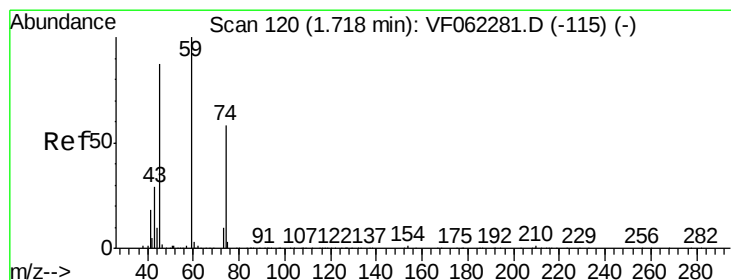
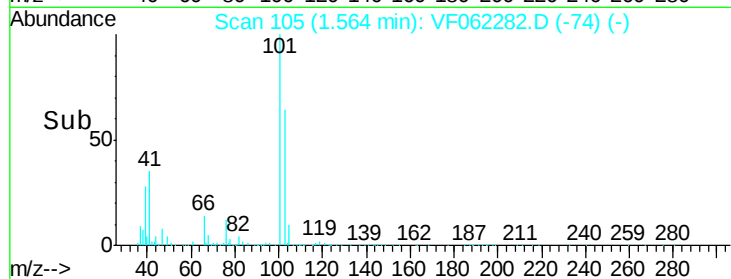
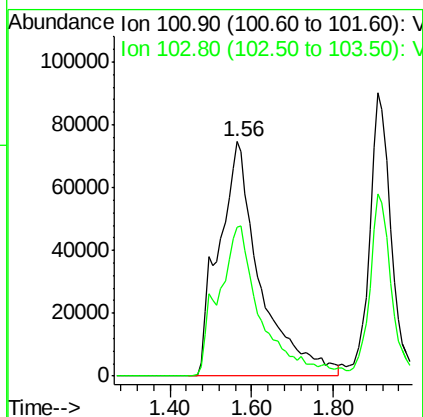
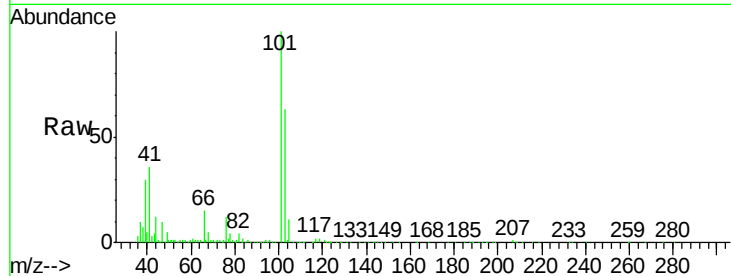
Trichlorofluoromethane
 Concen: 75.074 ug/l
 RT: 1.56 min Scan# 105
 Delta R.T. 0.00 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	55.0	82.6

Manual Integrations
 APPROVED

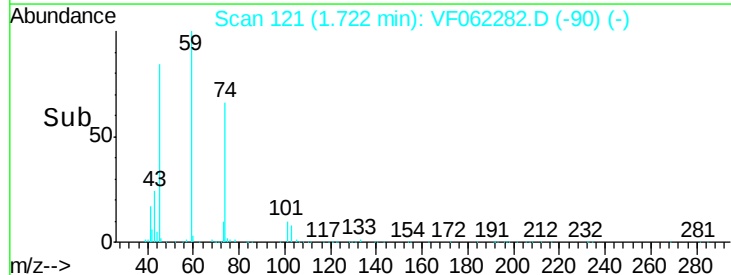
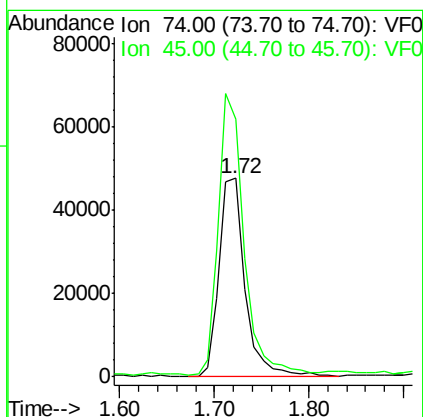
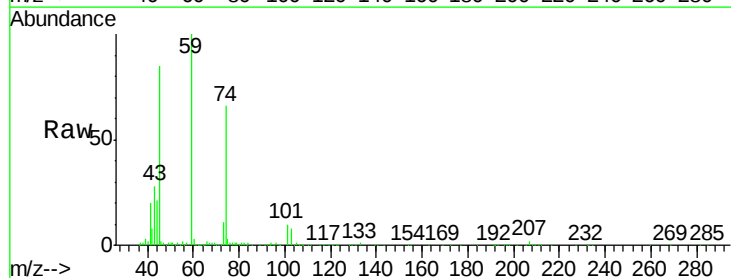
MMDadoda
 4/26/2019 9:21:01 AM

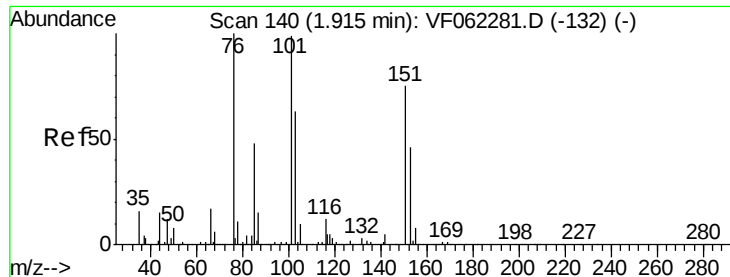


#8

Diethyl Ether
 Concen: 72.807 ug/l
 RT: 1.72 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.8	74.0	222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 73.219 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

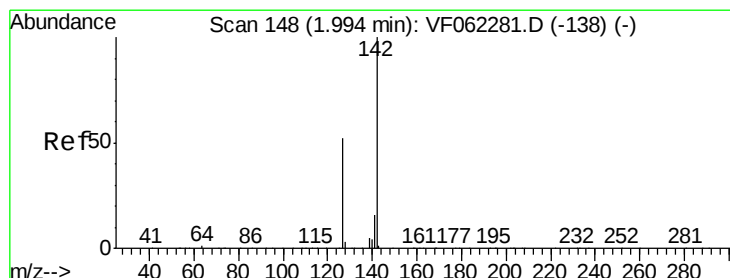
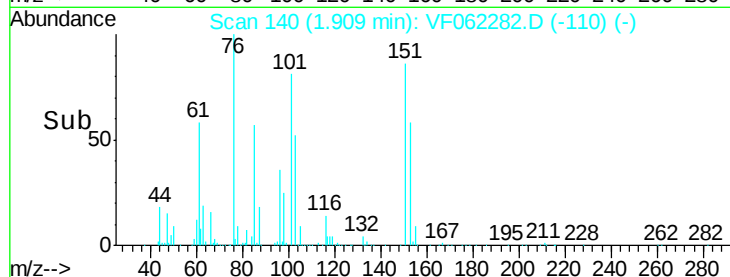
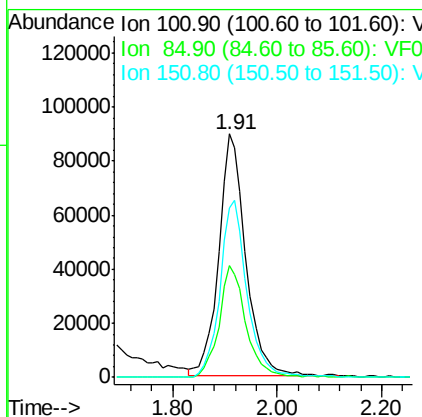
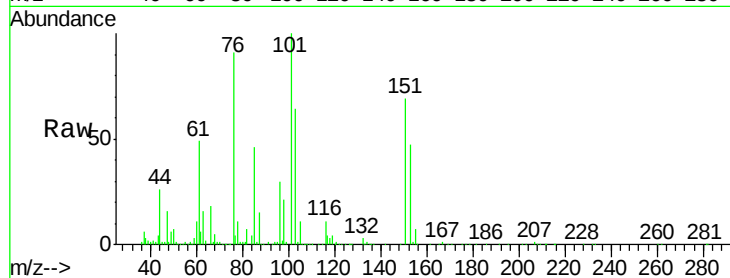
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	319982
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.5	54.7
151	72.6	59.2	88.8

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



#10

Methyl Iodide

Concen: 74.852 ug/l

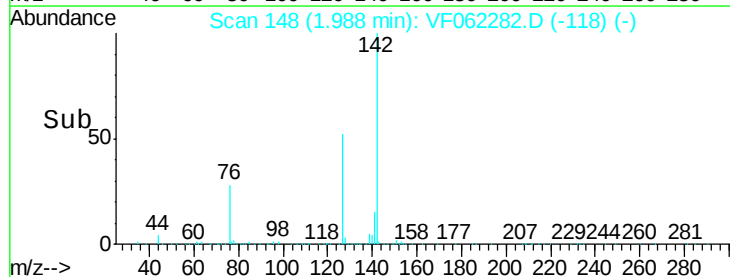
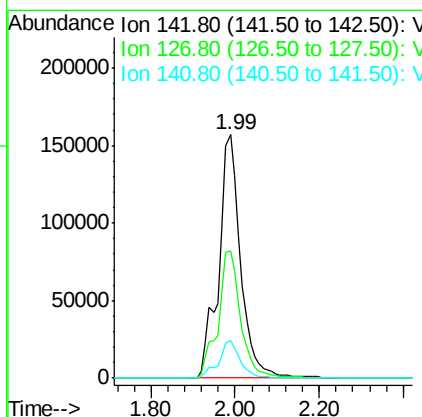
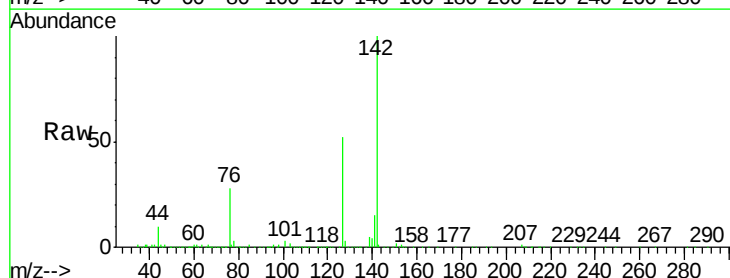
RT: 1.99 min Scan# 148

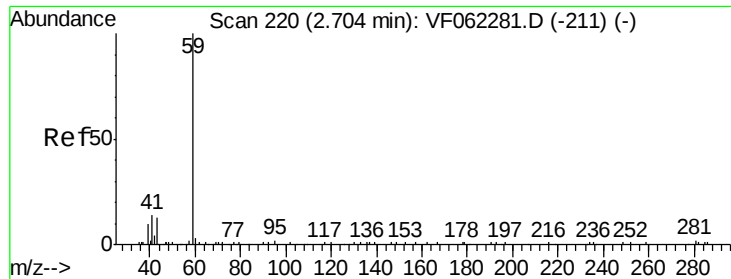
Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion:	142	Resp:	569389
Ion Ratio	Lower	Upper	
142	100		
127	53.7	43.0	64.4
141	15.1	12.3	18.5





#11

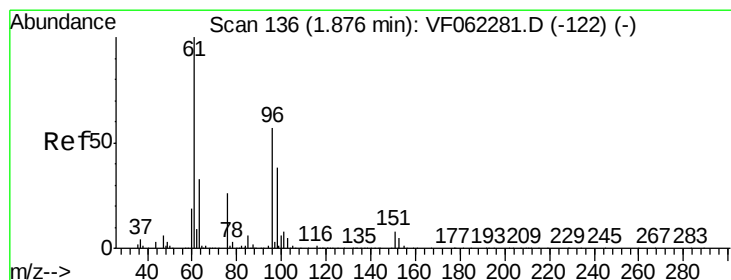
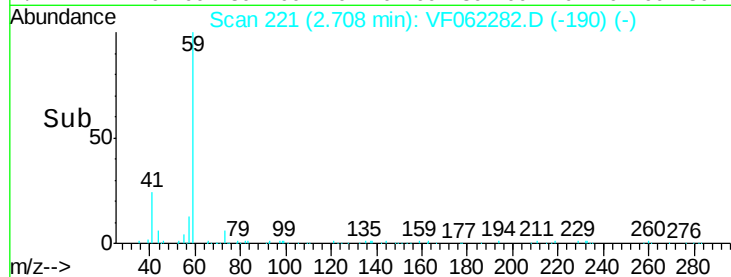
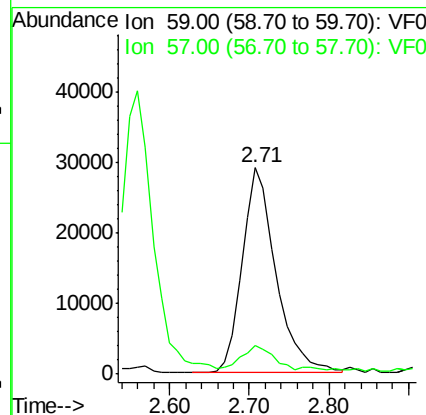
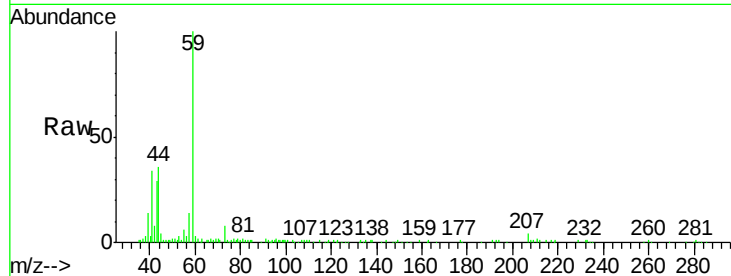
Tert butyl alcohol
Concen: 389.857 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
59	100	85591		
57	11.9		8.8	13.2

Manual Integrations
APPROVED

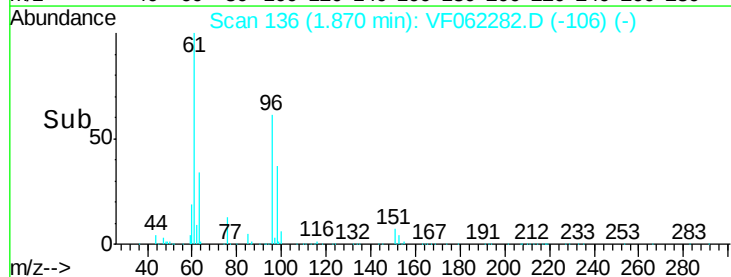
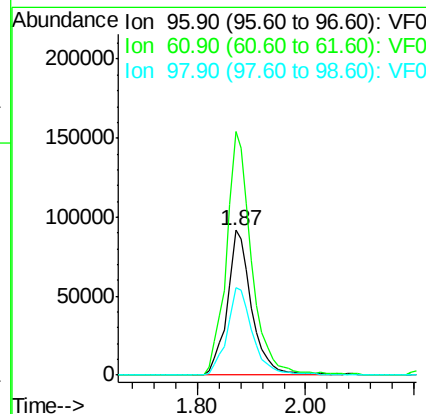
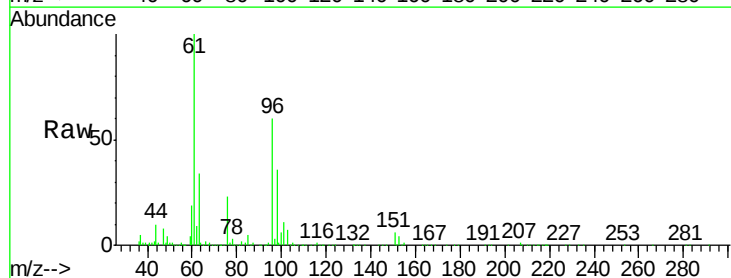
MMDadoda
4/26/2019 9:21:01 AM

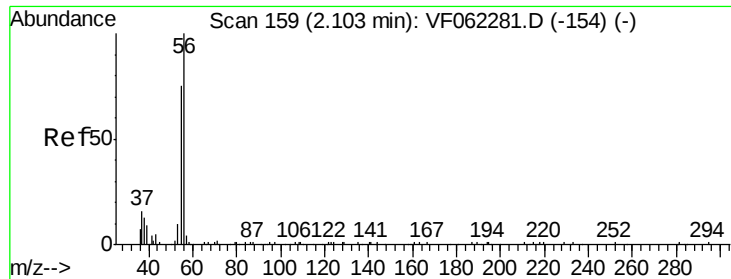


#12

1,1-Dichloroethene
Concen: 69.609 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	279142		
61	168.6		141.1	211.7
98	60.5		53.4	80.0





#13

Acrolein

Concen: 558.611 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 81223

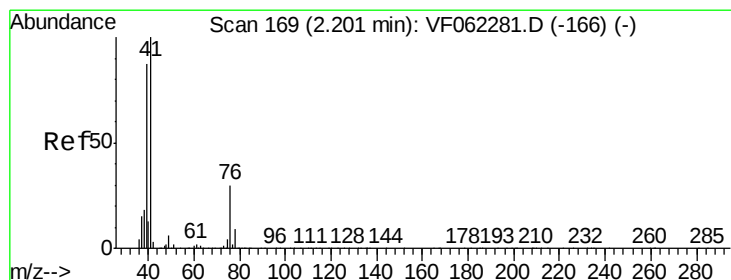
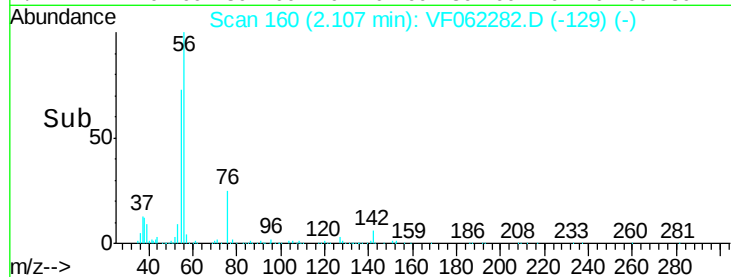
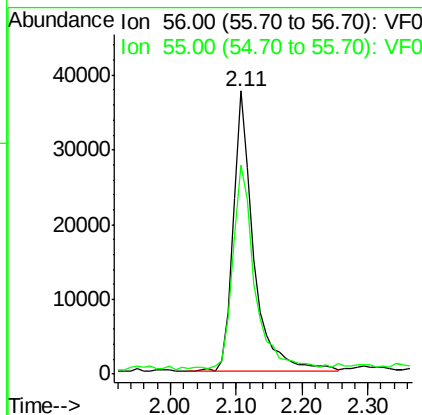
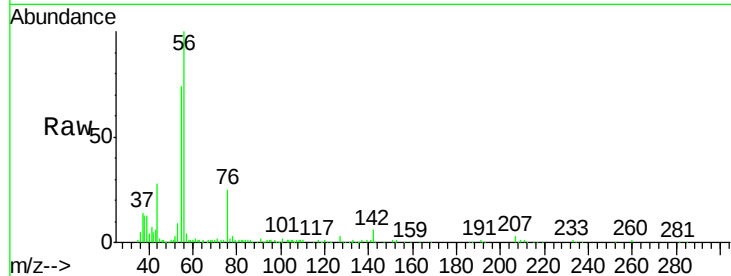
Ion Ratio Lower Upper

56 100

55 76.9 62.3 93.5

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



#14

Allyl chloride

Concen: 54.498 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

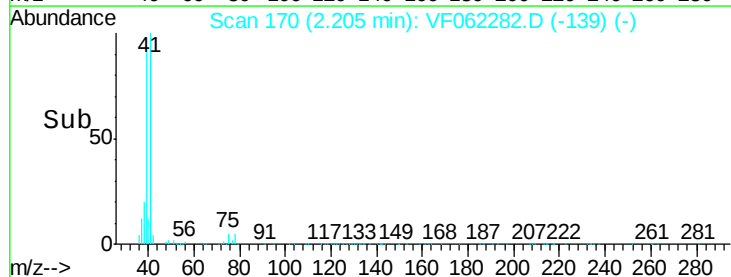
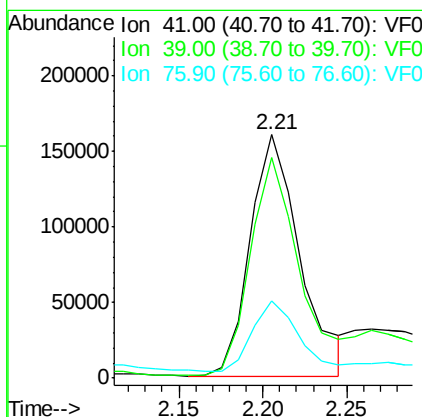
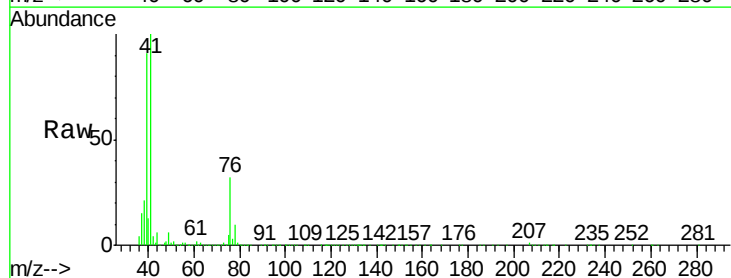
Tgt Ion: 41 Resp: 329485

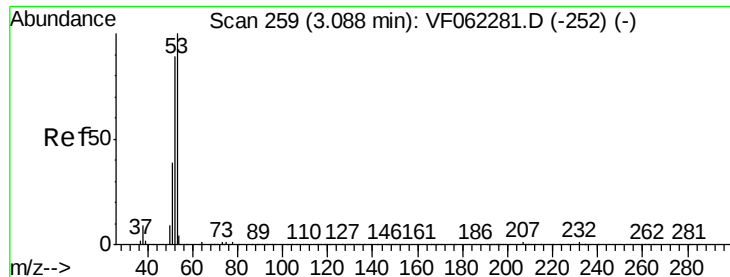
Ion Ratio Lower Upper

41 100

39 89.0 50.3 75.5#

76 27.9 14.8 22.2#





#15

Acrylonitrile

Concen: 357.511 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

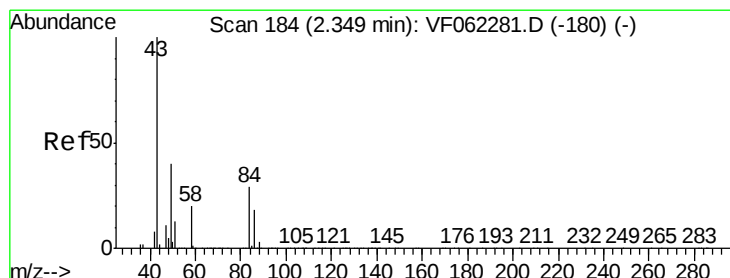
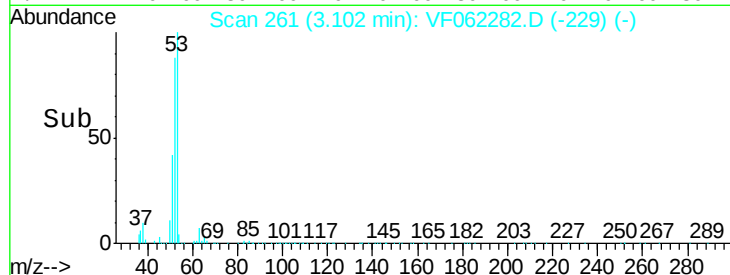
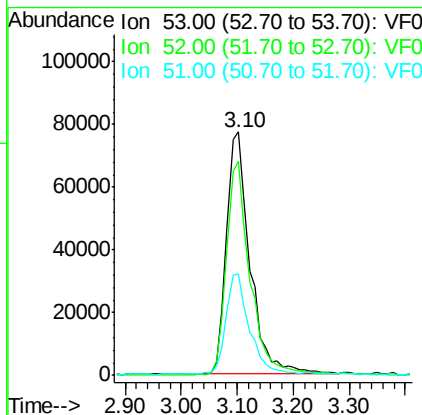
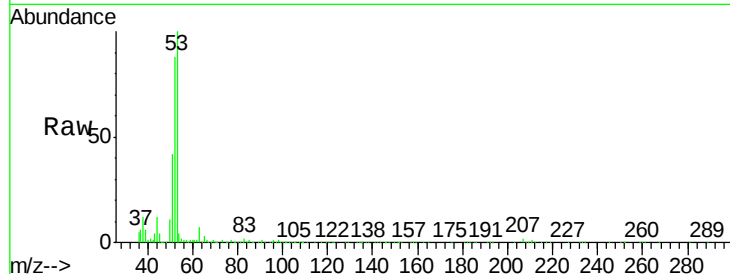
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	227005
Ion	Ratio	Lower	Upper
53	100		
52	88.4	70.6	105.8
51	40.8	32.6	48.8

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



#16

Acetone

Concen: 367.562 ug/l

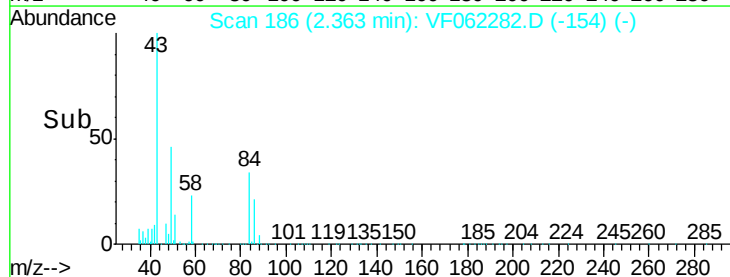
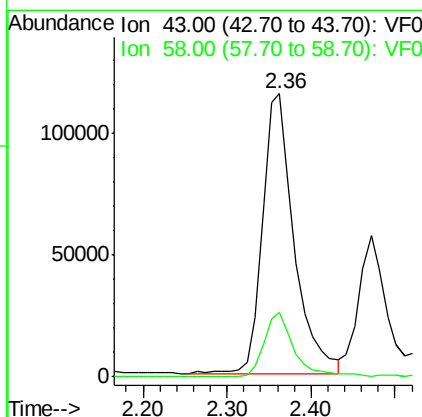
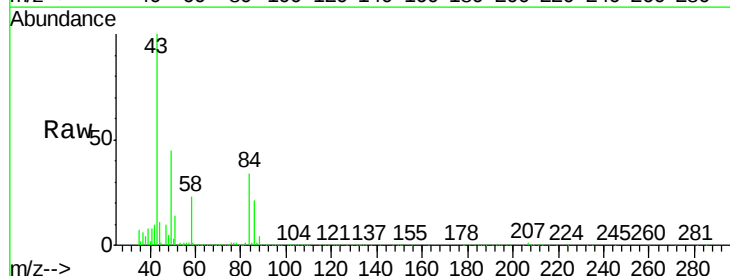
RT: 2.36 min Scan# 186

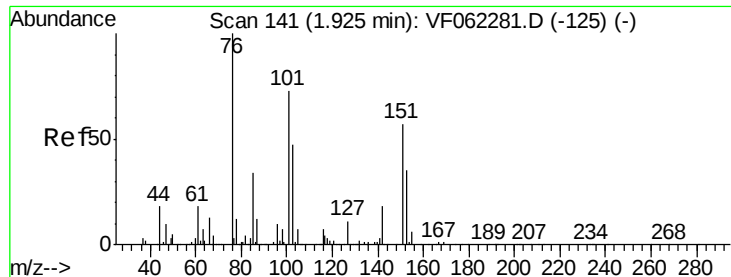
Delta R.T. 0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion:	43	Resp:	302807
Ion	Ratio	Lower	Upper
43	100		
58	22.8	16.4	24.6





#17

Carbon Disulfide

Concen: 72.201 ug/l m

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 750759

Ion Ratio Lower Upper

76 100

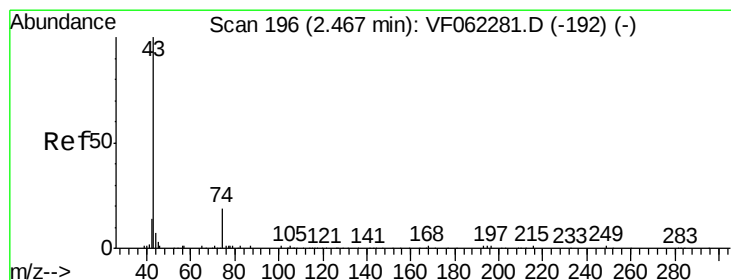
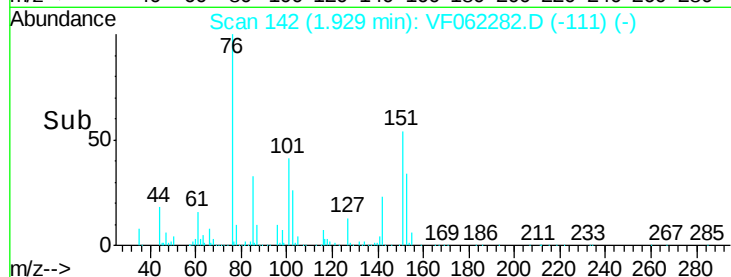
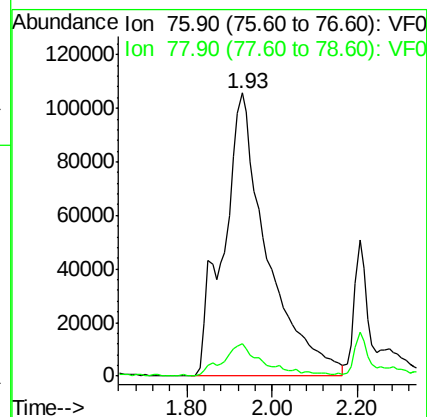
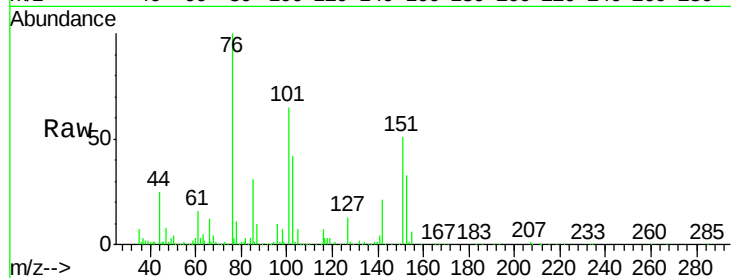
78 11.3 9.8 14.8

Manual Integrations

APPROVED

MMDadoda

4/26/2019 9:21:01 AM



#18

Methyl Acetate

Concen: 56.518 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062282.D

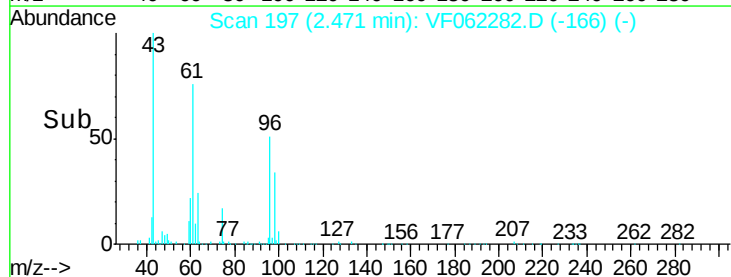
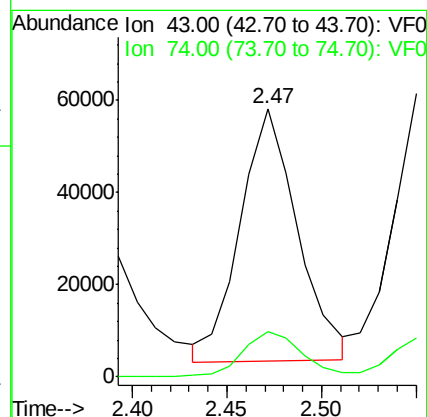
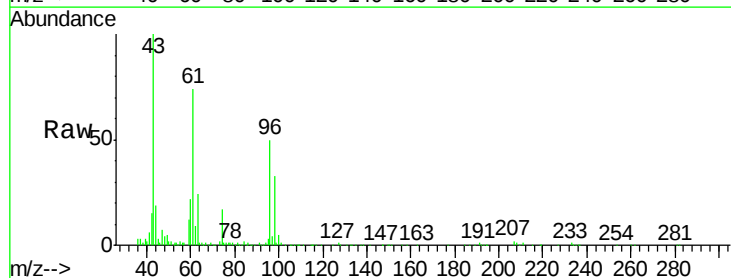
Acq: 24 Apr 2019 15:40

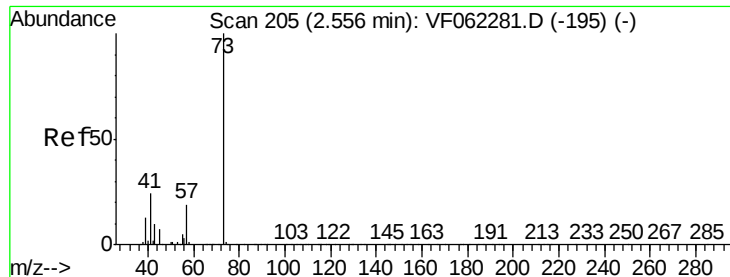
Tgt Ion: 43 Resp: 115445

Ion Ratio Lower Upper

43 100

74 17.9 14.4 21.6





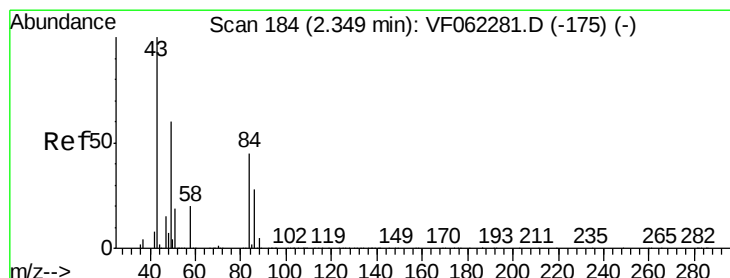
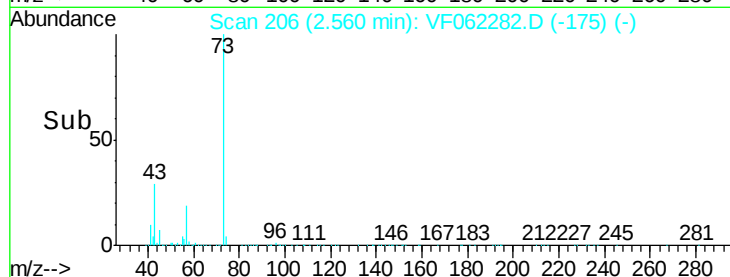
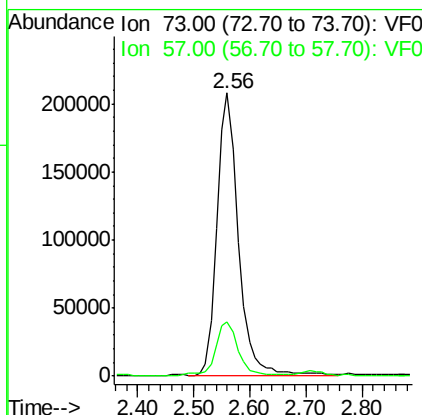
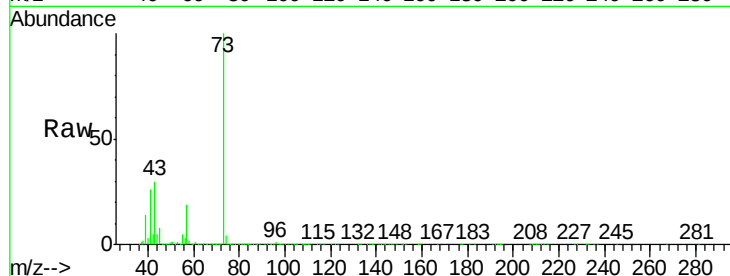
#19
Methvl tert-butvl Ether
Concen: 74.682 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.1	15.5	23.3

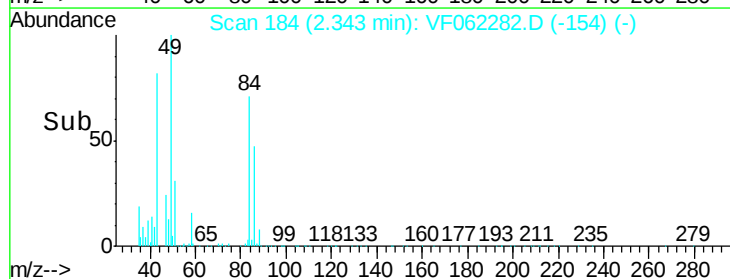
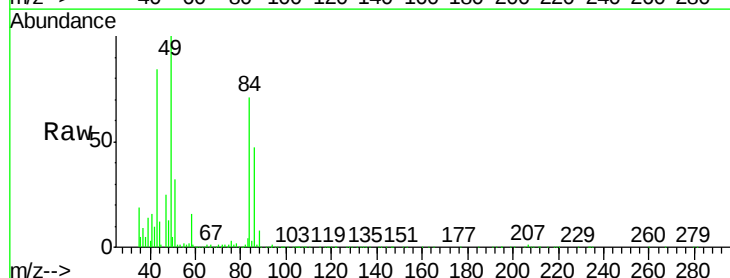
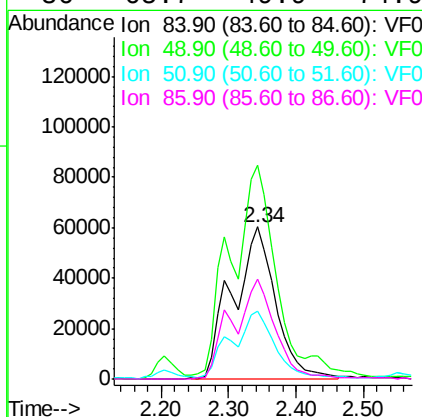
Manual Integrations
APPROVED

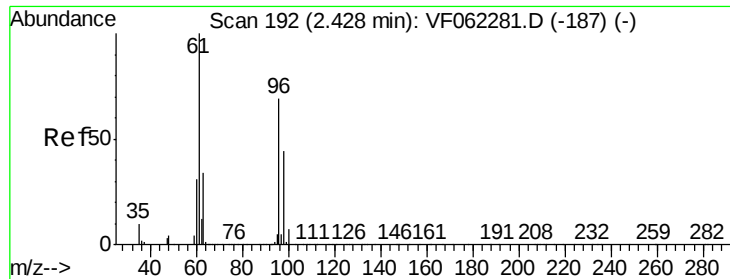
MMDadoda
4/26/2019 9:21:01 AM



#20
Methylene Chloride
Concen: 51.390 ug/l m
RT: 2.34 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.6	112.1	168.1
51	44.3	35.9	53.9
86	65.7	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 73.637 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

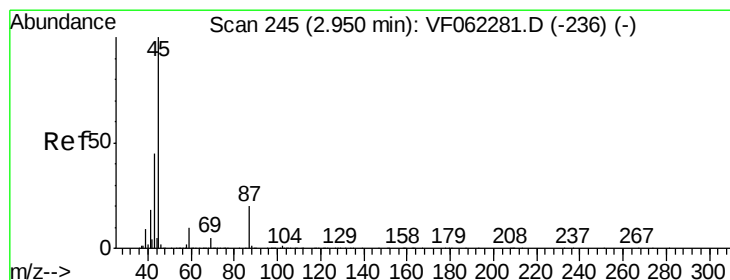
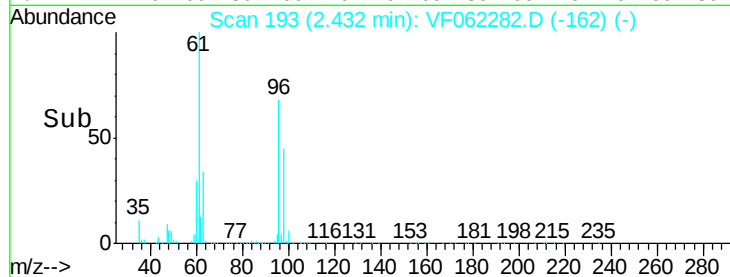
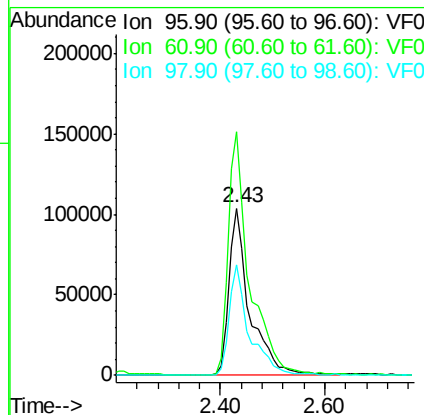
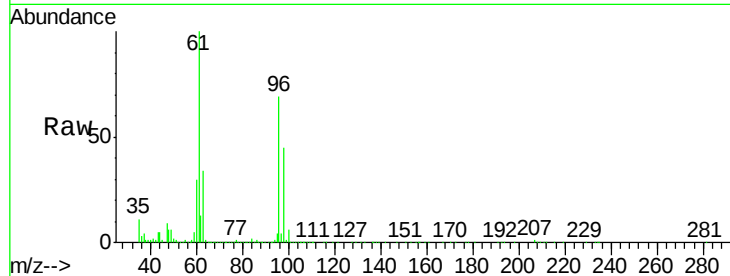
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	283622
Ion	Ratio	Lower	Upper
96	100		
61	145.6	116.2	174.2
98	65.8	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



#22

Diisopropyl ether

Concen: 71.262 ug/l

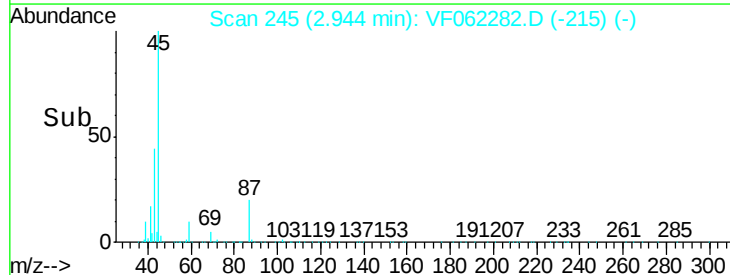
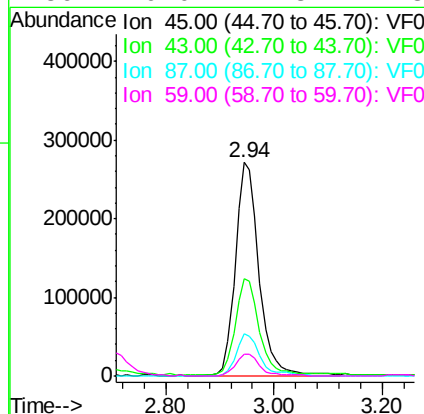
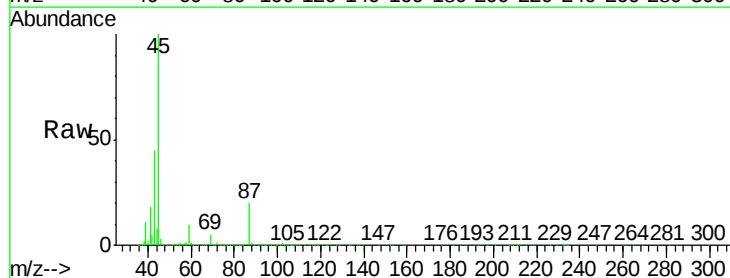
RT: 2.94 min Scan# 245

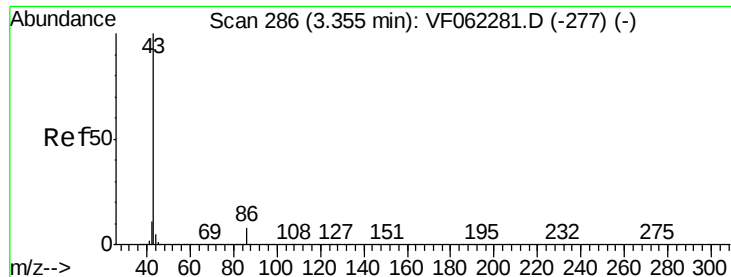
Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion:	45	Resp:	820039
Ion	Ratio	Lower	Upper
45	100		
43	44.8	36.2	54.2
87	19.6	15.8	23.6
59	10.0	7.8	11.8





#23

Vinyl Acetate

Concen: 380.530 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1897130

Ion Ratio Lower Upper

43 100

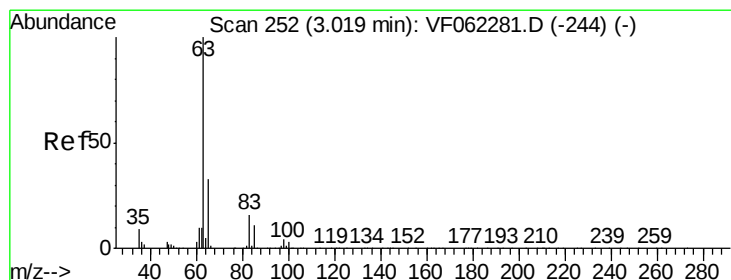
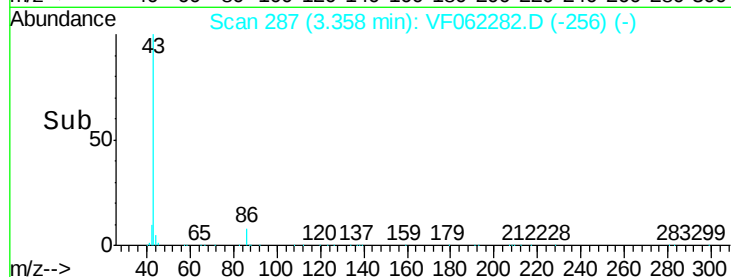
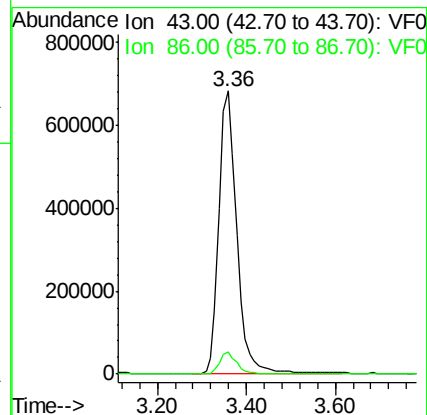
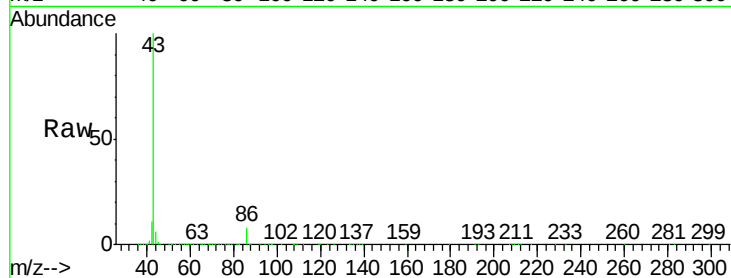
86 8.0 6.0 9.0

Manual Integrations

APPROVED

MMDadoda

4/26/2019 9:21:01 AM



#24

1,1-Dichloroethane

Concen: 78.010 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

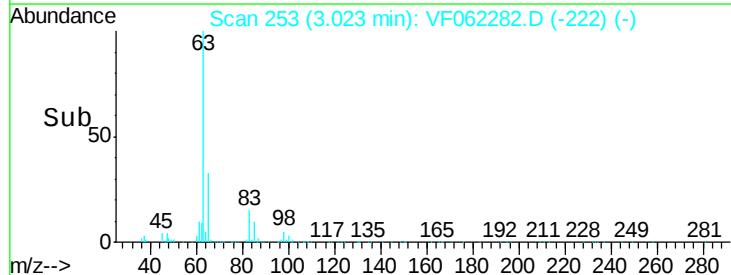
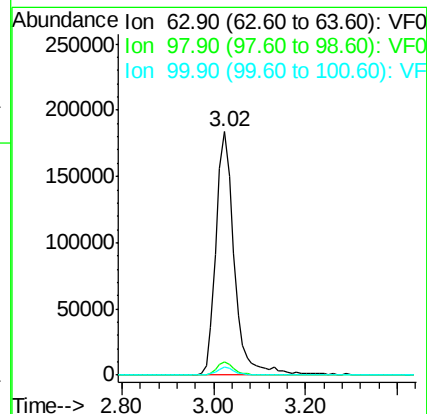
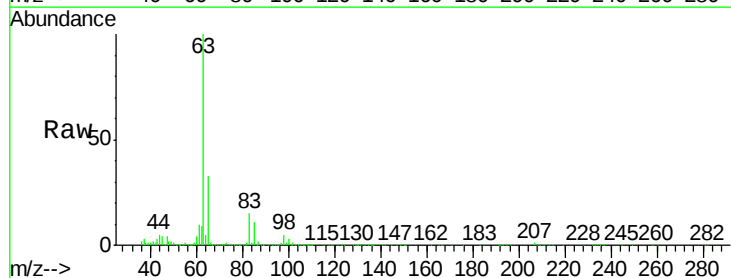
Tgt Ion: 63 Resp: 503583

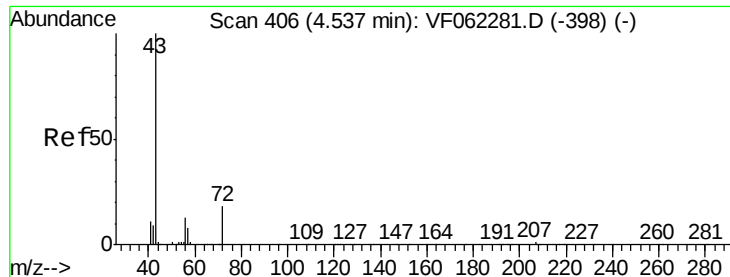
Ion Ratio Lower Upper

63 100

98 5.3 2.1 6.2

100 3.3 1.5 4.5





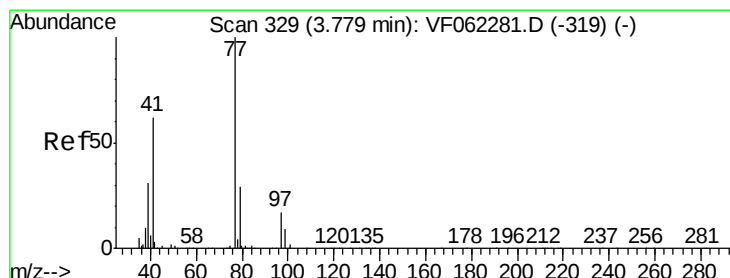
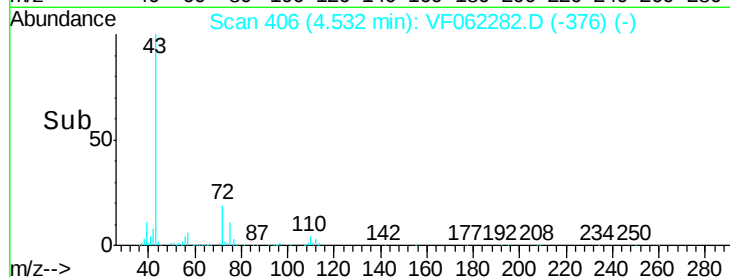
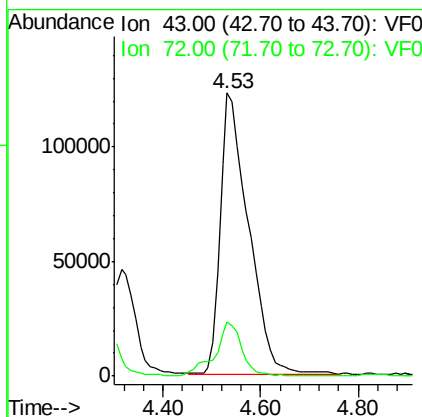
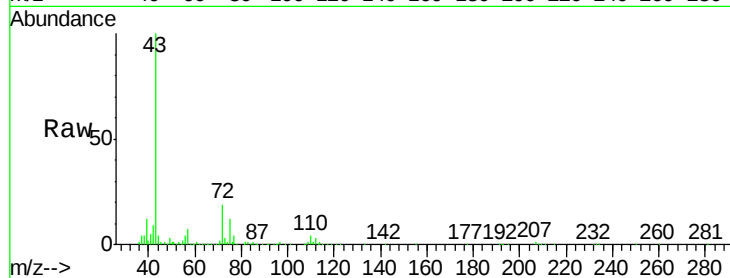
#25
2-Butanone
Concen: 375.604 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
72	19.0	15.8	23.6

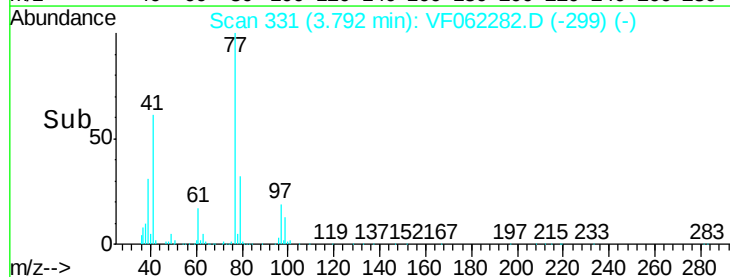
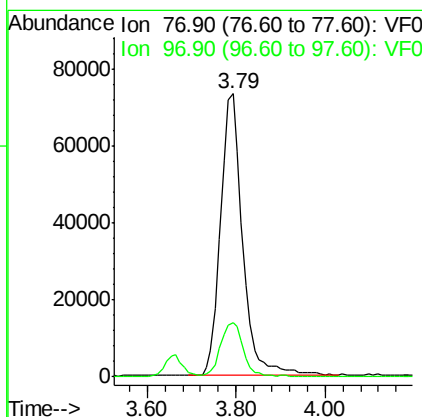
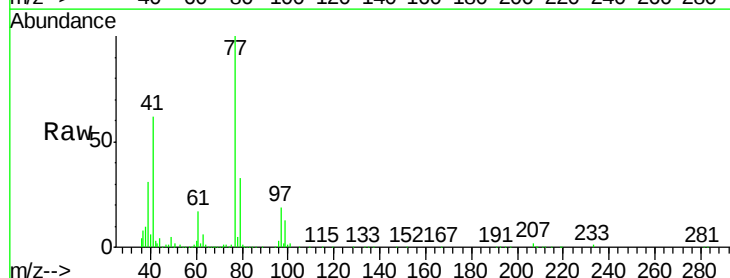
Manual Integrations
APPROVED

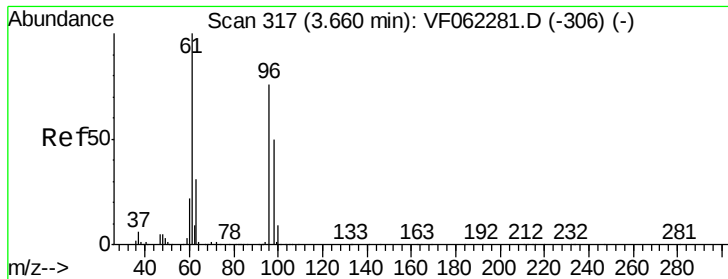
MMDadoda
4/26/2019 9:21:01 AM



#26
2,2-Dichloropropane
Concen: 75.546 ug/l
RT: 3.79 min Scan# 331
Delta R.T. 0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
77	100		
97	19.5	10.3	30.8





#27

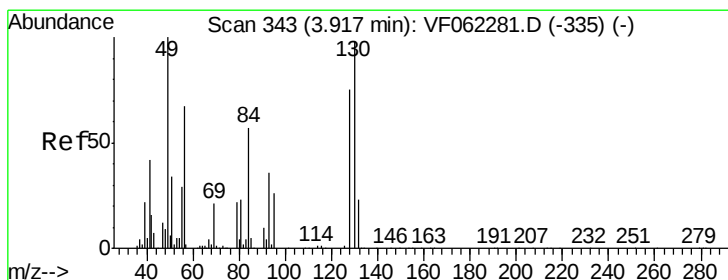
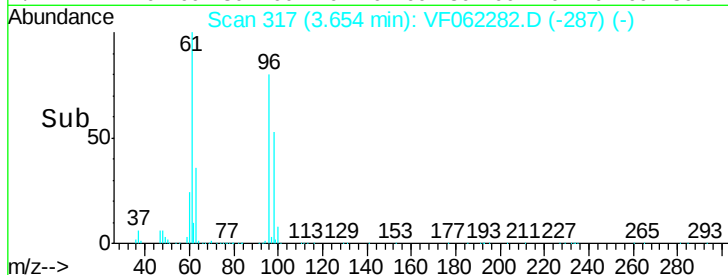
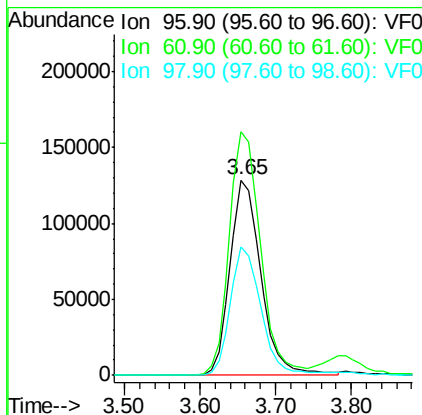
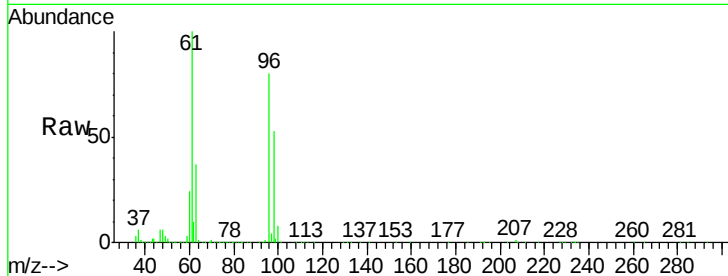
cis-1,2-Dichloroethene
Concen: 73.729 ug/l
RT: 3.65 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	363257		
61	126.6		0.0	257.6
98	65.9		0.0	137.4

Manual Integrations
APPROVED

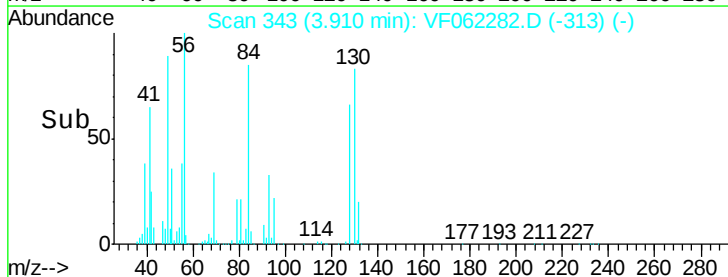
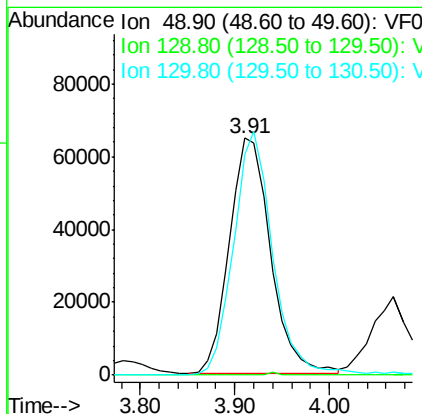
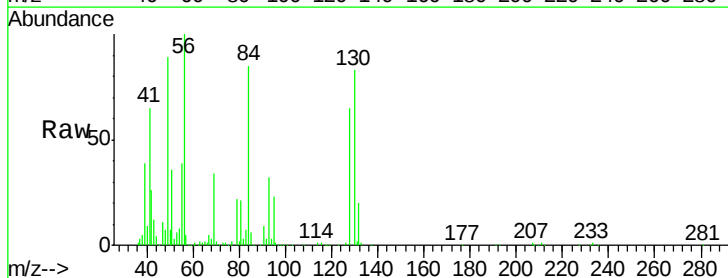
MMDadoda
4/26/2019 9:21:01 AM

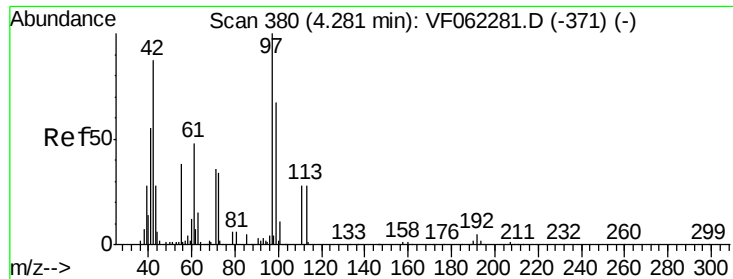


#28

Bromochloromethane
Concen: 69.353 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	195793		
129	0.0		0.0	0.0
130	99.2		77.0	115.4





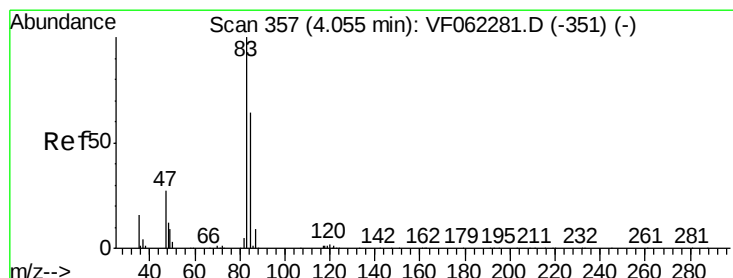
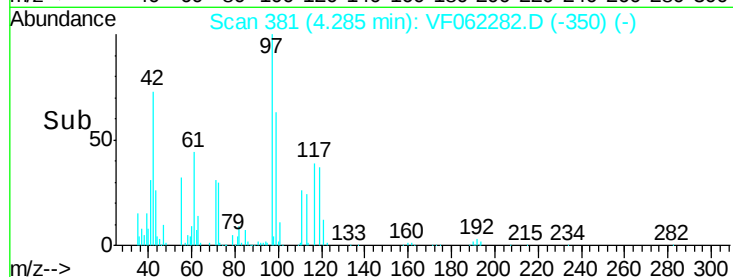
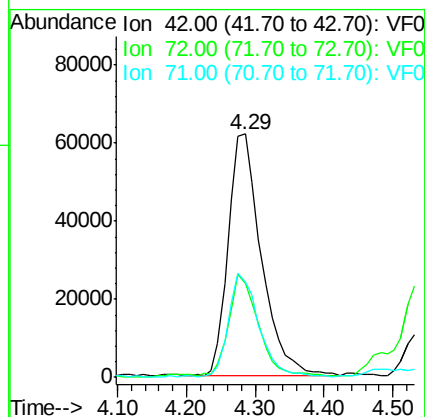
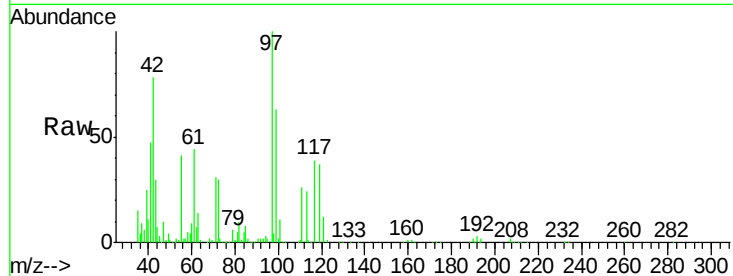
#29
Tetrahydrofuran
Concen: 361.628 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	29.3	43.9
71	40.5	31.2	46.8

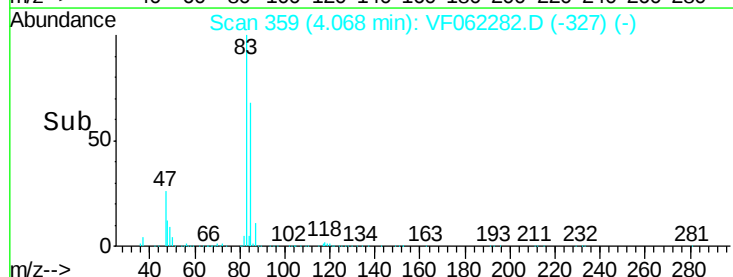
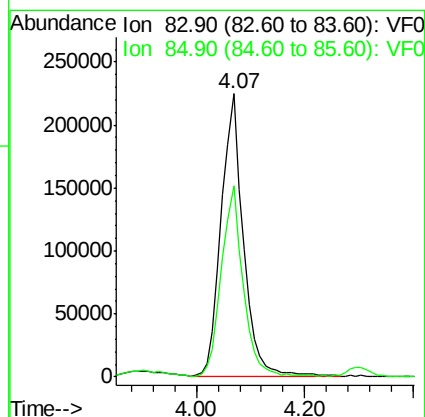
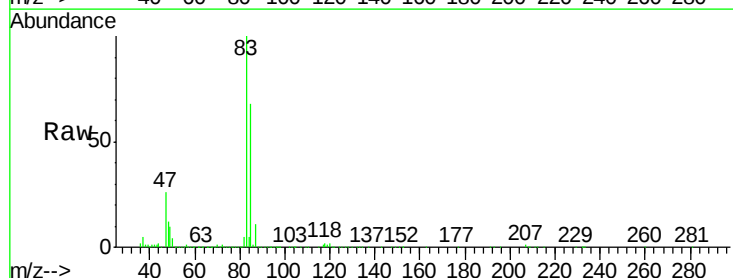
Manual Integrations
APPROVED

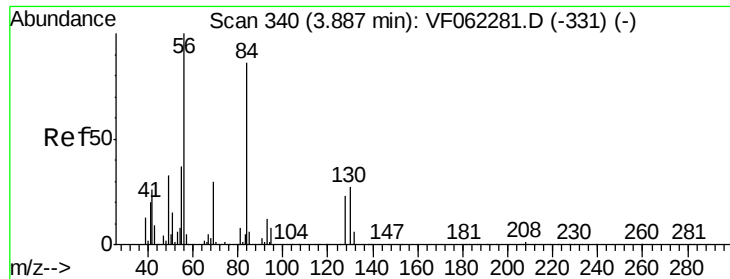
MMDadoda
4/26/2019 9:21:01 AM



#30
Chloroform
Concen: 78.829 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.1	76.7





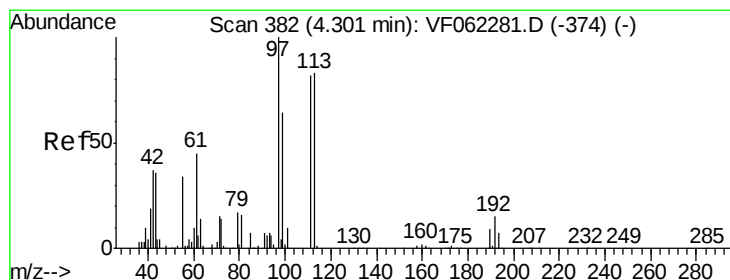
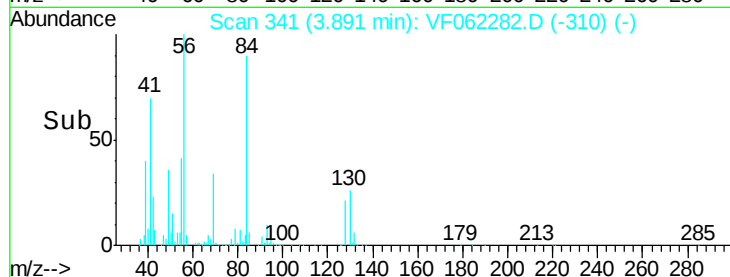
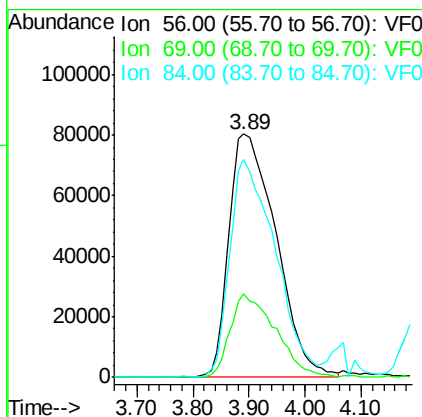
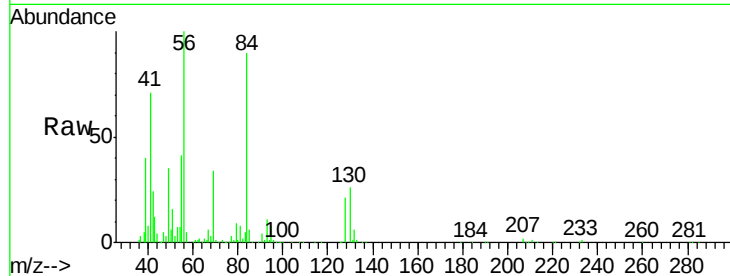
#31
Cyclohexane
Concen: 75.191 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	24.3	36.5
84	89.4	68.5	102.7

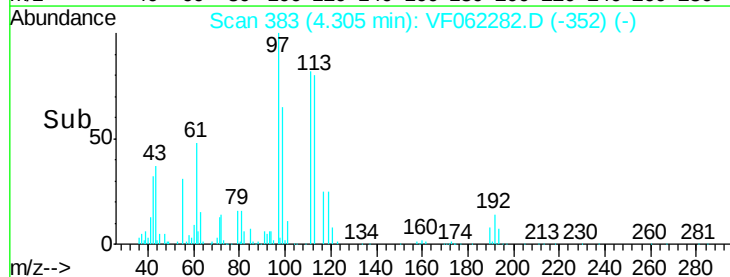
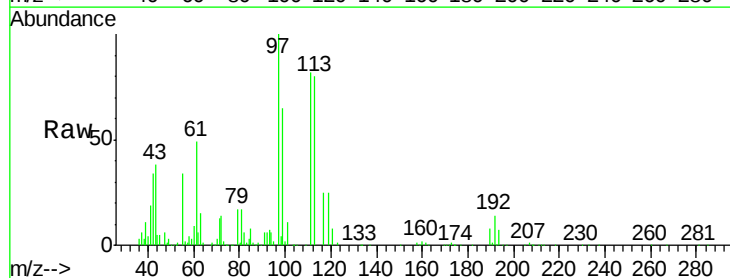
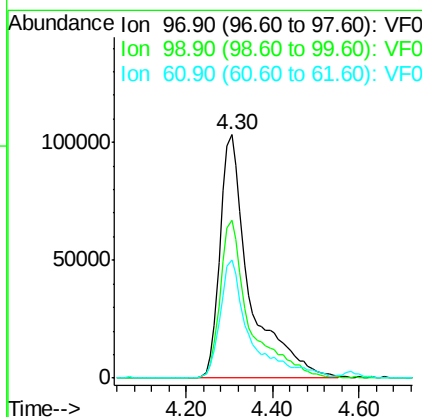
Manual Integrations
APPROVED

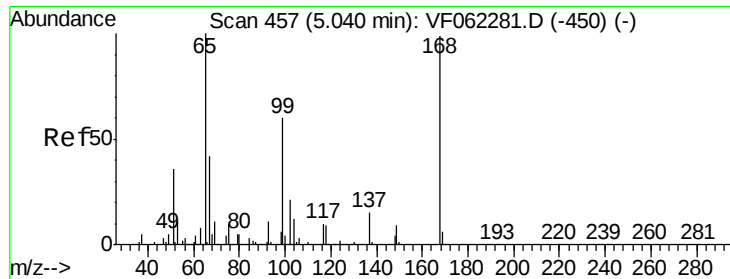
MMDadoda
4/26/2019 9:21:01 AM



#32
1,1,1-Trichloroethane
Concen: 82.943 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	41.6	62.4#
61	48.9	31.6	47.4#





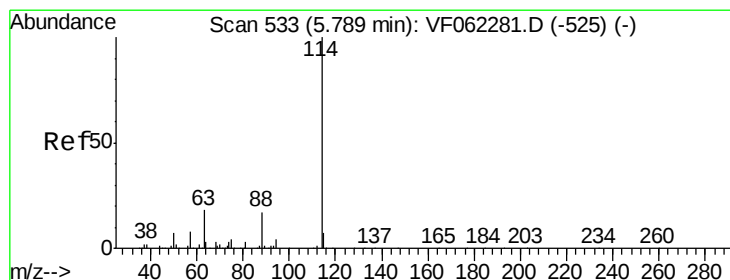
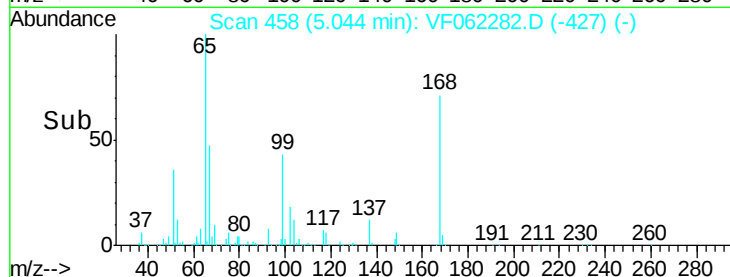
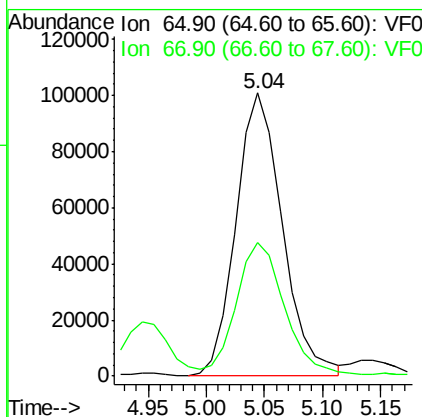
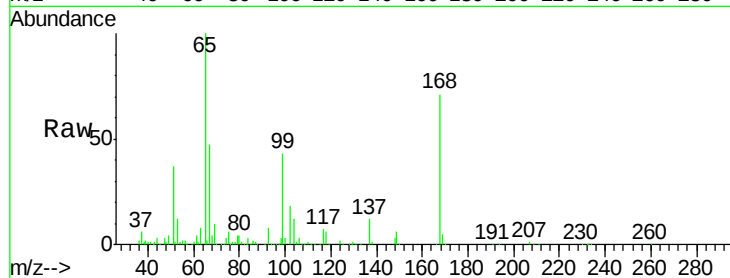
#33
 1,2-Dichloroethane-d4
 Concen: 75.725 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	279224		
67	48.8	0.0	98.8	

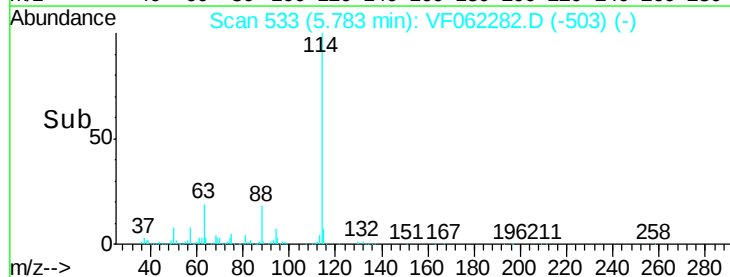
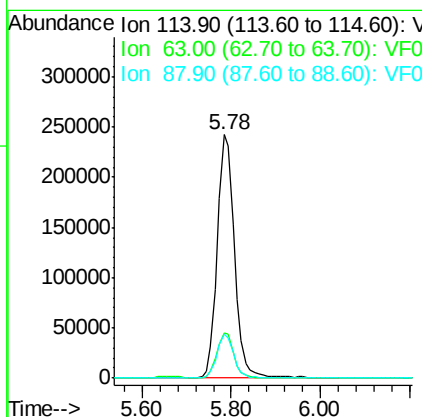
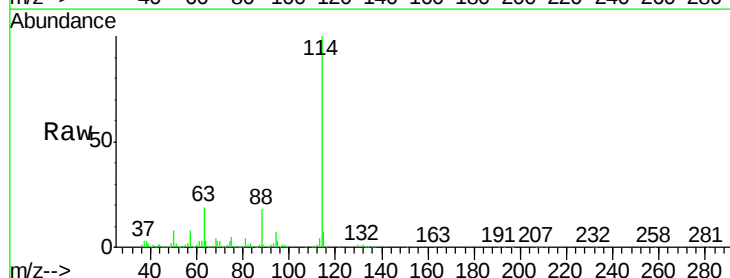
Manual Integrations
 APPROVED

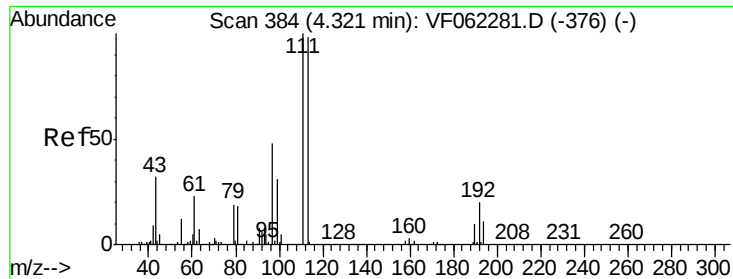
MMDadoda
 4/26/2019 9:21:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	651386		
63	18.6	0.0	35.6	
88	18.2	0.0	34.6	





#35

Dibromofluoromethane

Concen: 70.571 ug/l

RT: 4.32 min Scan# 385

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

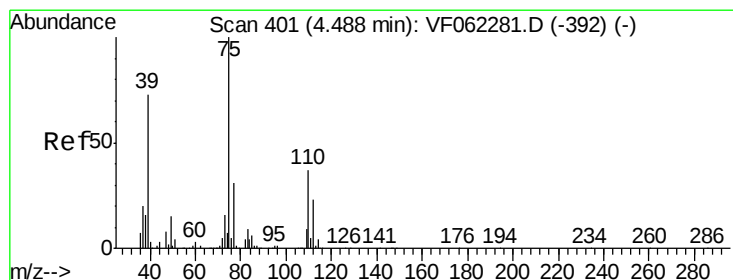
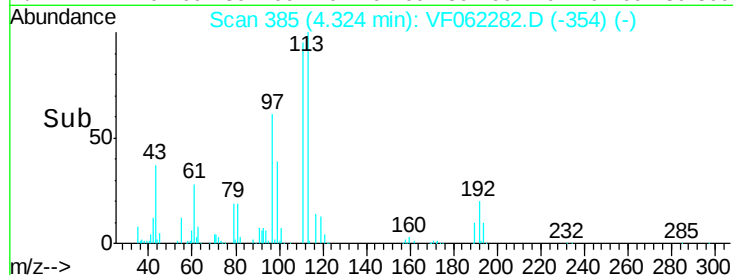
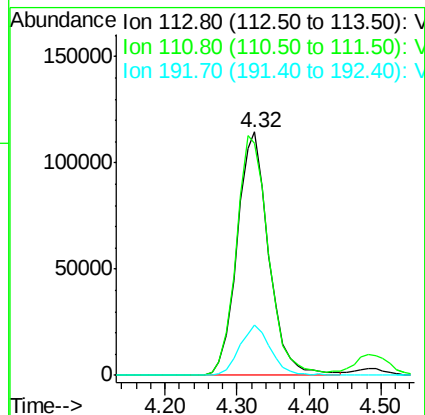
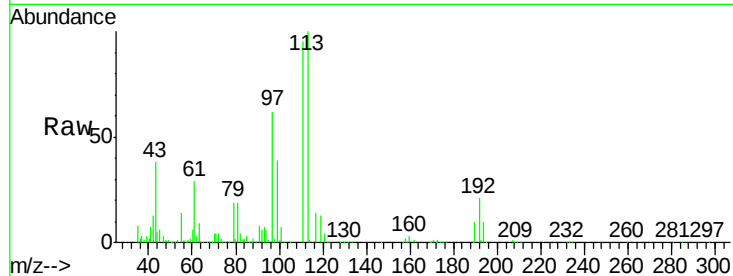
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	349853
Ion Ratio	Lower	Upper	
113	100		
111	100.8	81.4	122.2
192	20.6	17.0	25.4

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



#36

1,1-Dichloropropene

Concen: 70.562 ug/l

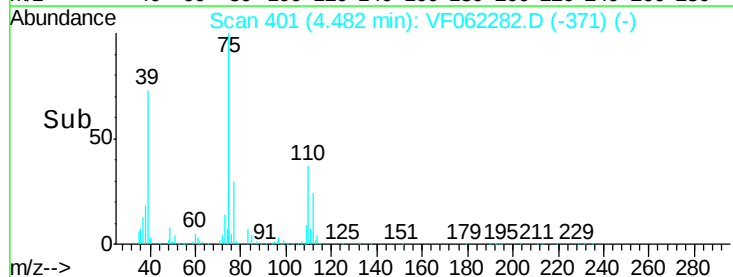
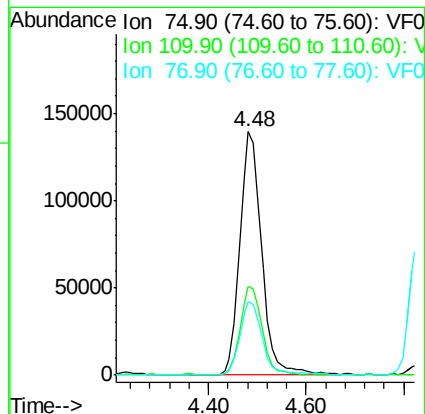
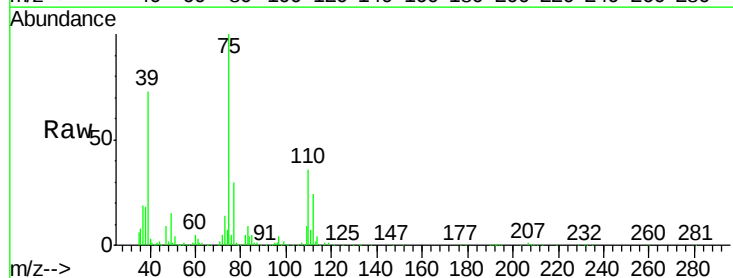
RT: 4.48 min Scan# 401

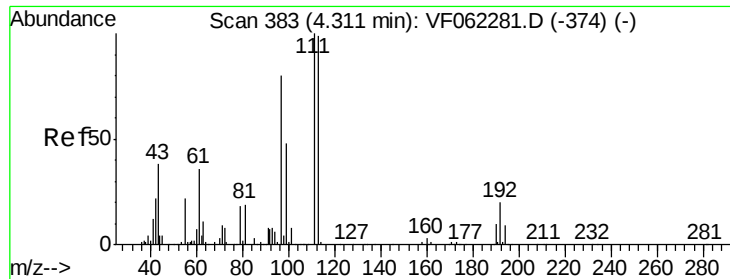
Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion:	75	Resp:	436546
Ion Ratio	Lower	Upper	
75	100		
110	36.2	17.9	53.8
77	30.8	24.6	36.8





#37

Ethyl Acetate

Concen: 70.241 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

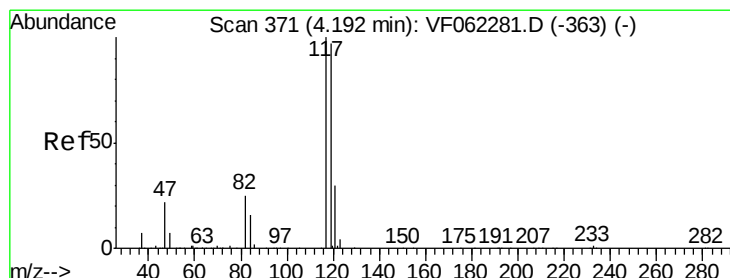
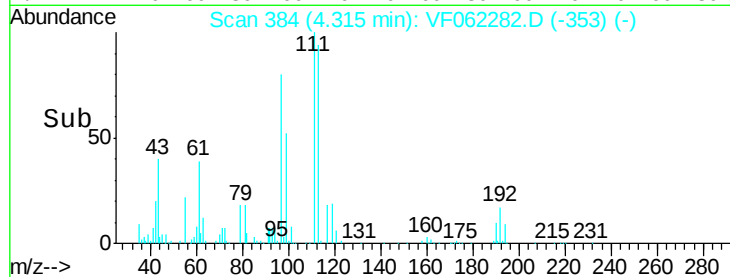
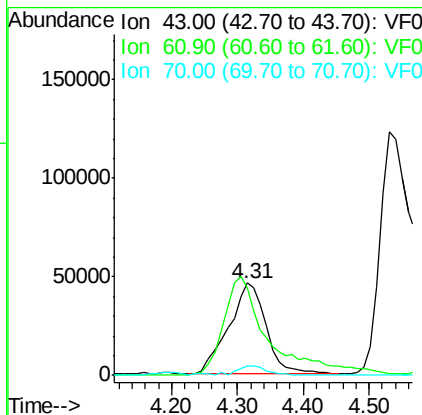
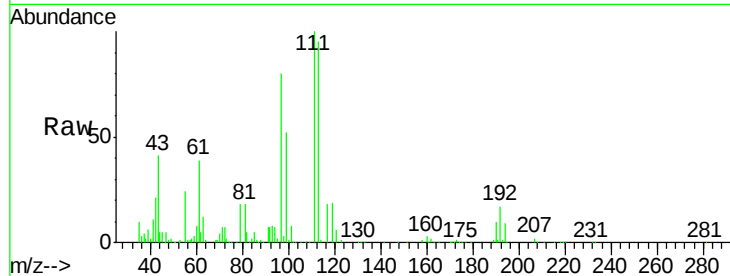
VSTDIC075

Tot Ion: 43 Resp: 178428

Ion	Ratio	Lower	Upper
43	100		
61	136.4	85.8	128.6#
70	9.0	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



#38

Carbon Tetrachloride

Concen: 80.536 ug/l m

RT: 4.20 min Scan# 372

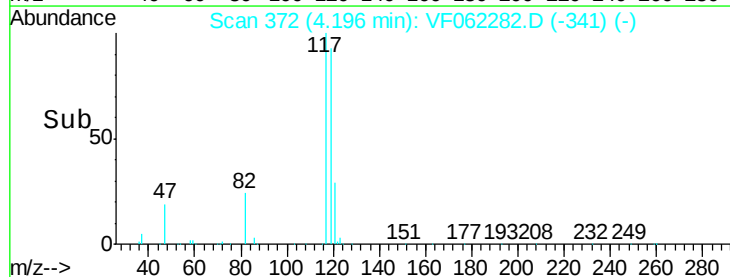
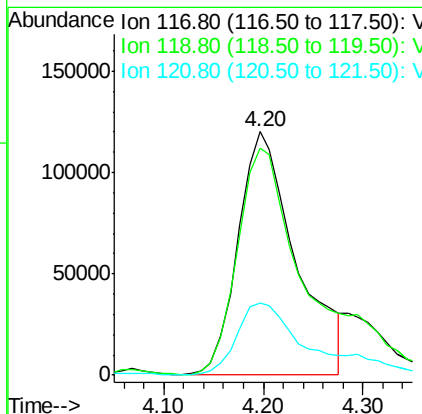
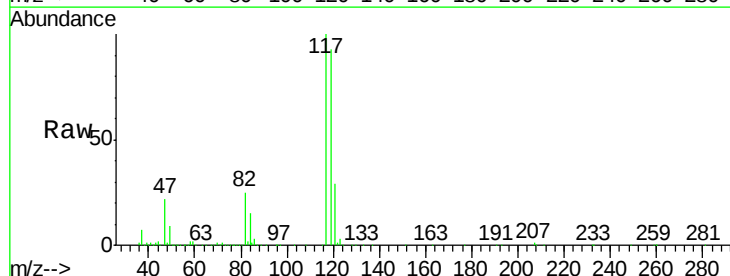
Delta R.T. 0.00 min

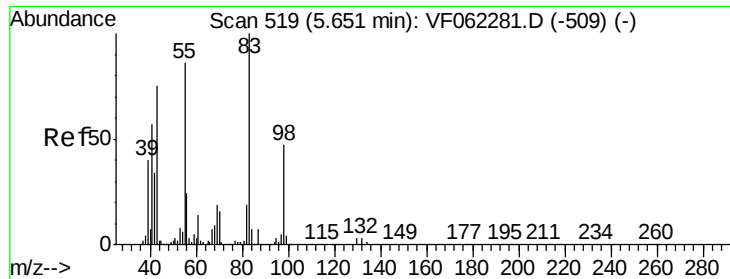
Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion: 117 Resp: 486842

Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.3	115.9
121	29.4	24.3	36.5





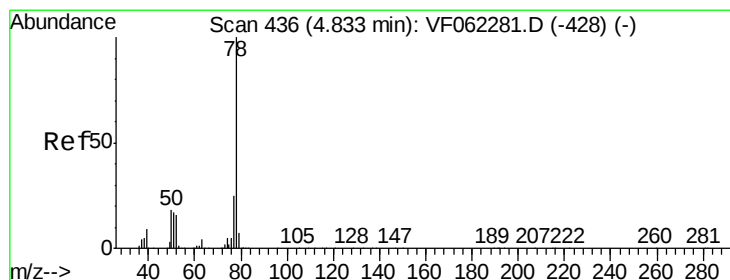
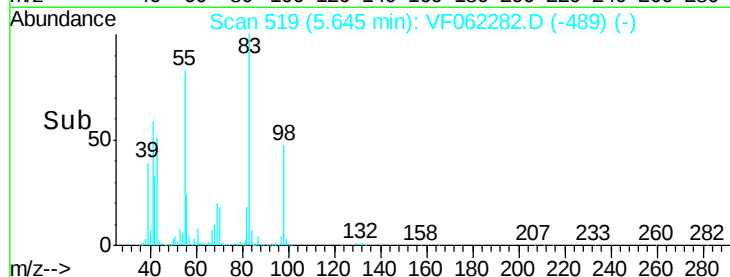
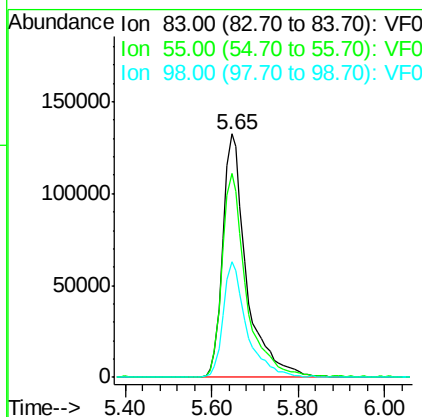
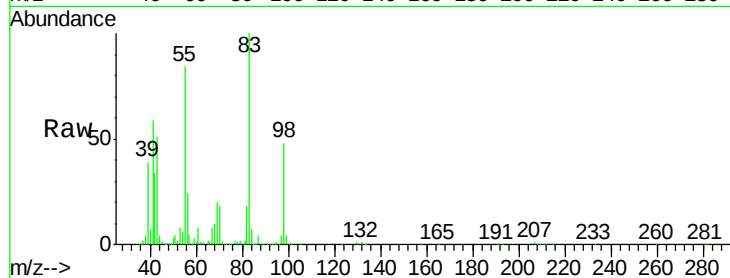
#39
Methvlcvclohexane
Concen: 69.602 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	68.7	103.1
98	47.6	37.4	56.2

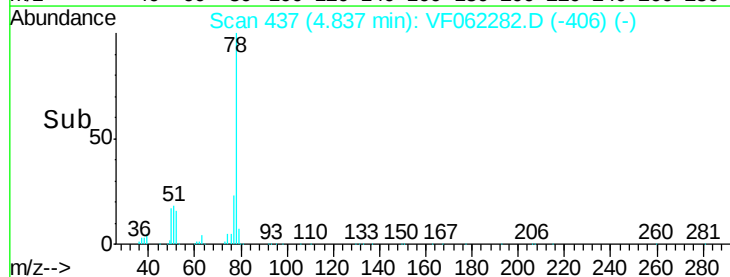
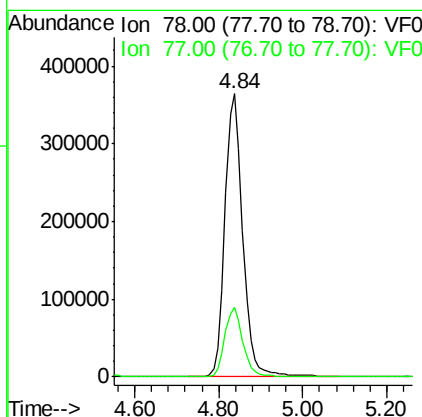
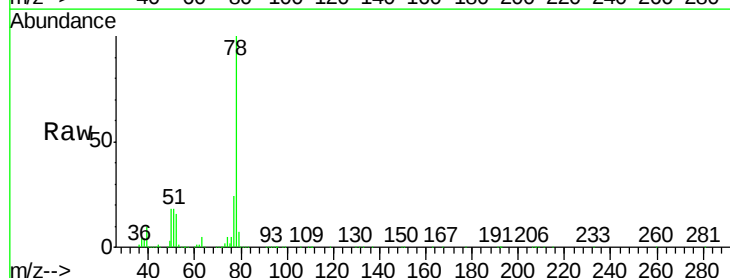
Manual Integrations
APPROVED

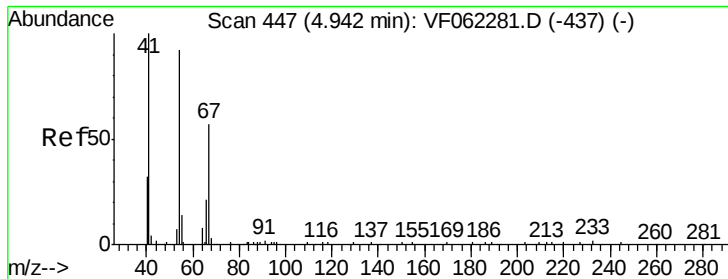
MMDadoda
4/26/2019 9:21:01 AM



#40
Benzene
Concen: 72.239 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.7	29.5





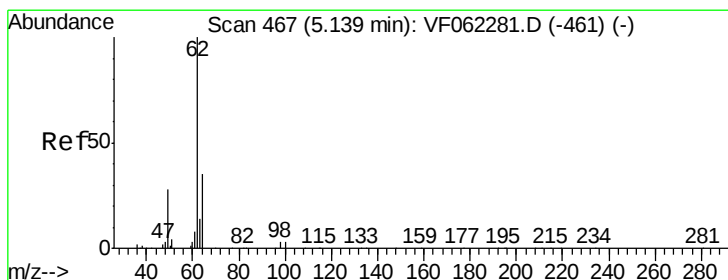
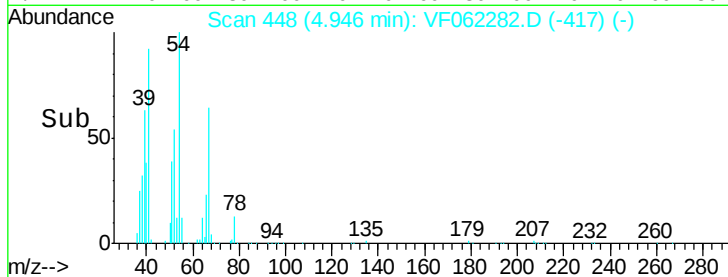
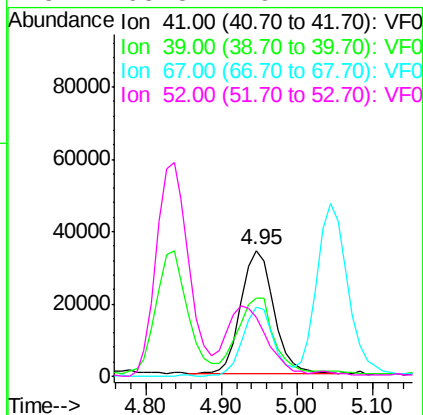
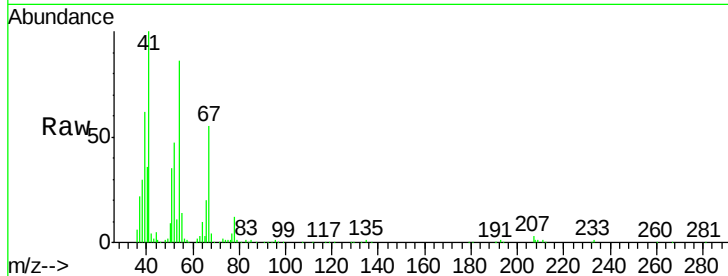
#41
Methacrylonitrile
Concen: 72.944 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		103498		
39	63.5	47.3	70.9		
67	52.9	41.3	61.9		
52	65.8	49.4	74.2		

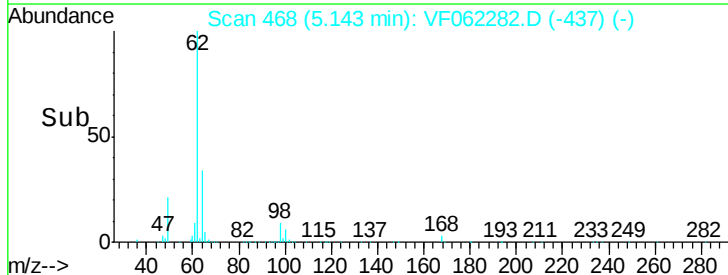
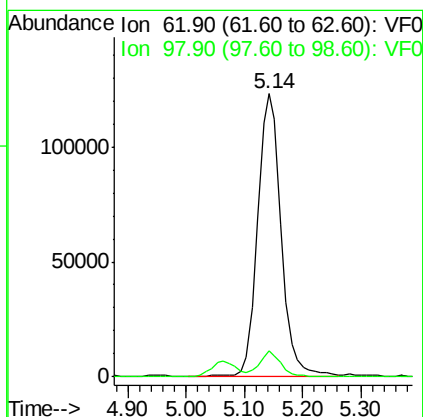
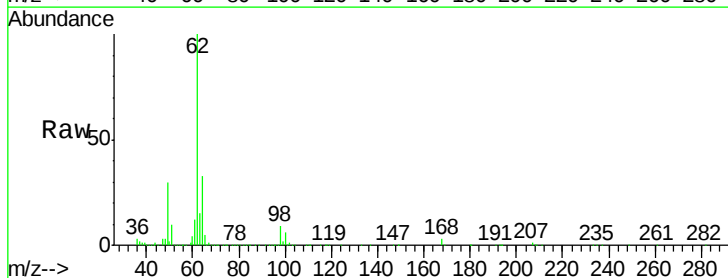
Manual Integrations
APPROVED

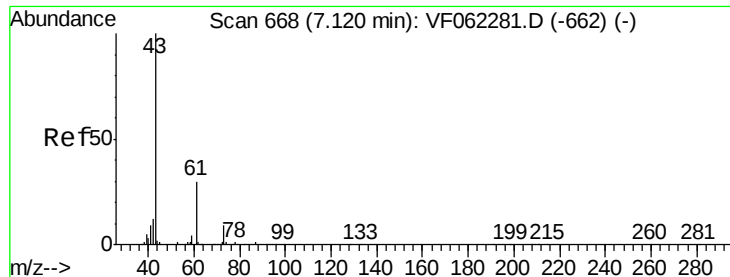
MMDadoda
4/26/2019 9:21:01 AM



#42
1,2-Dichloroethane
Concen: 76.858 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		352201		
98	8.5	0.0	16.8		





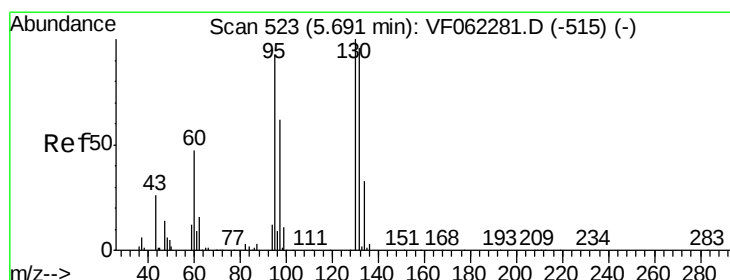
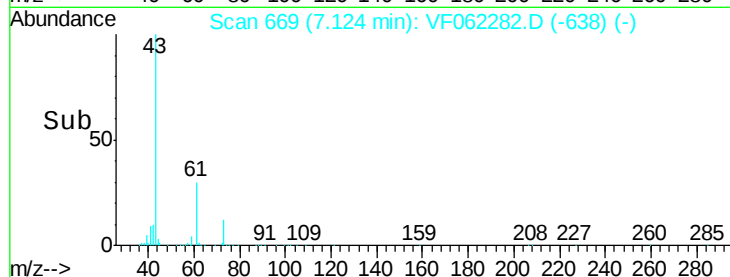
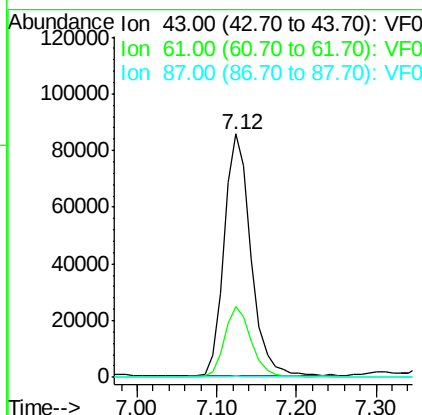
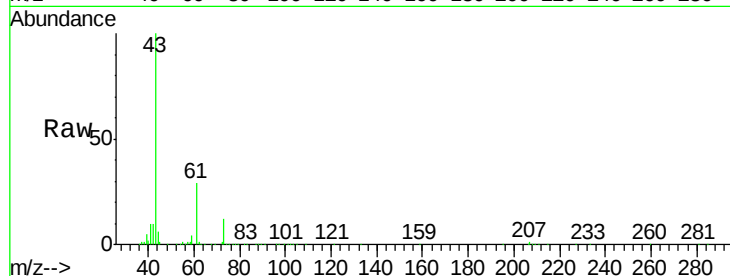
#43
Isopropyl Acetate
Concen: 74.944 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.8	35.6
87	0.4	0.5	0.7#

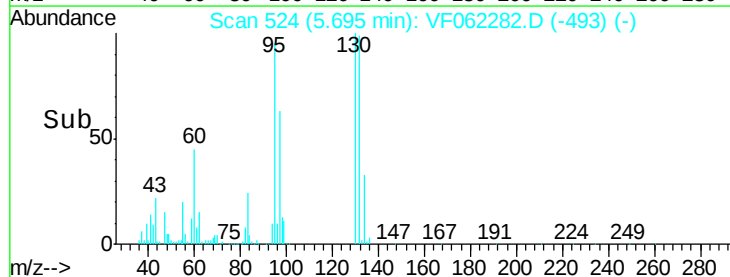
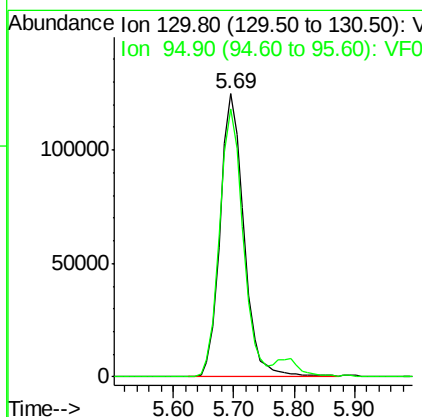
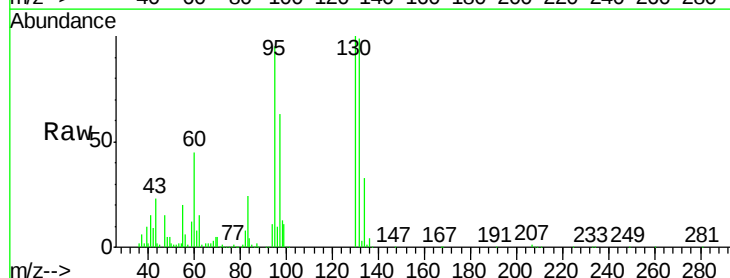
Manual Integrations
APPROVED

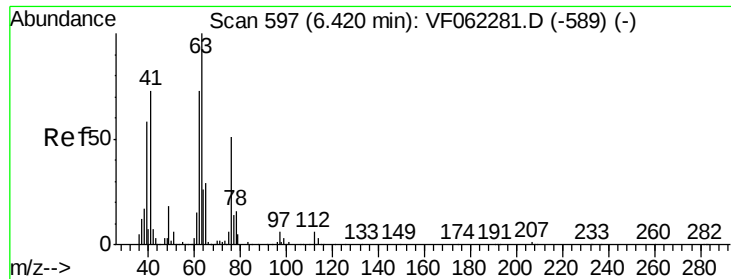
MMDadoda
4/26/2019 9:21:01 AM



#44
Trichloroethene
Concen: 67.507 ug/l
RT: 5.69 min Scan# 524
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	186.4





#45

1,2-Dichloropropane

Concen: 72.688 ug/l

RT: 6.41 min Scan# 597

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 238929

Ion Ratio Lower Upper

63 100

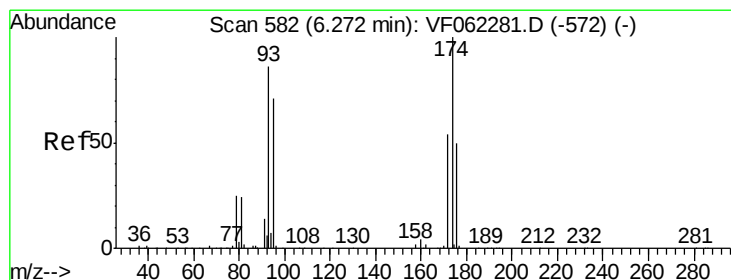
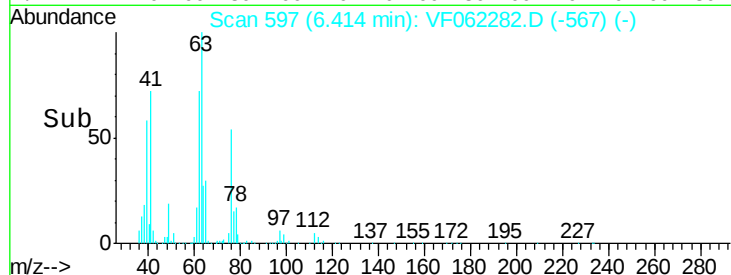
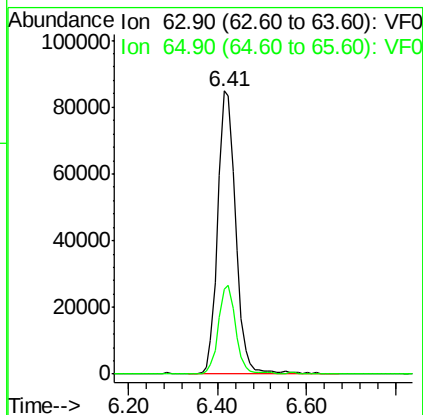
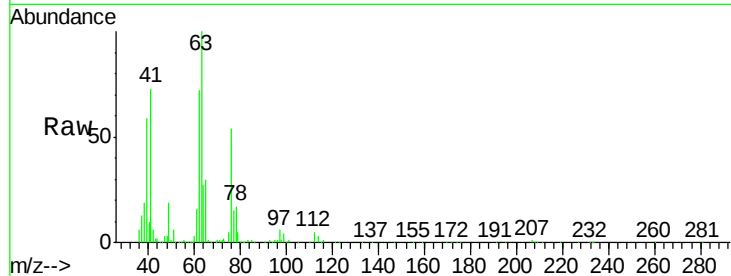
65 29.7 23.5 35.3

Manual Integrations

APPROVED

MMDadoda

4/26/2019 9:21:01 AM



#46

Dibromomethane

Concen: 76.024 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

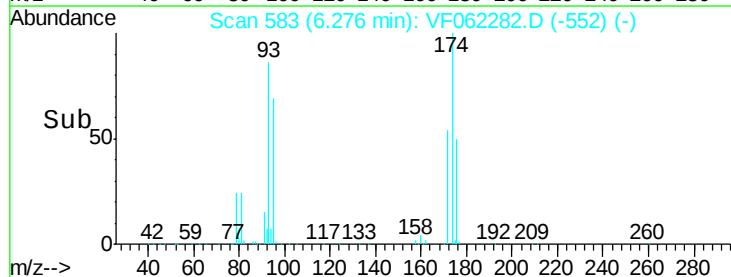
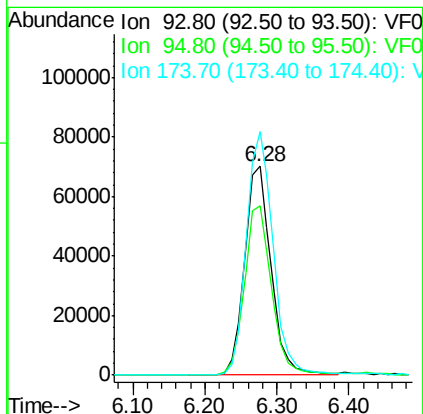
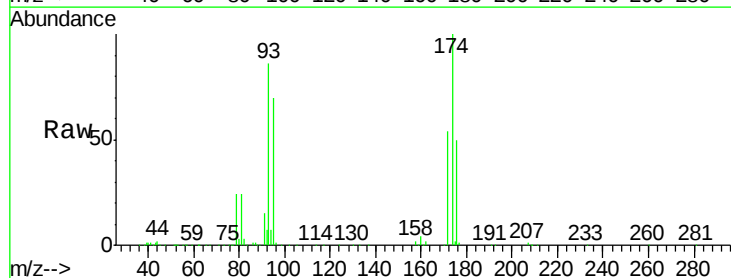
Tgt Ion: 93 Resp: 181021

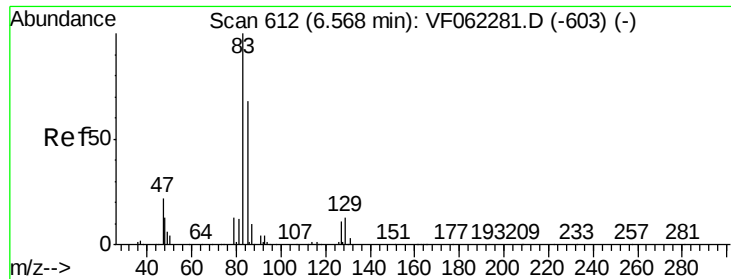
Ion Ratio Lower Upper

93 100

95 82.0 66.2 99.4

174 117.0 94.9 142.3





#47

Bromodichloromethane

Concen: 75.454 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

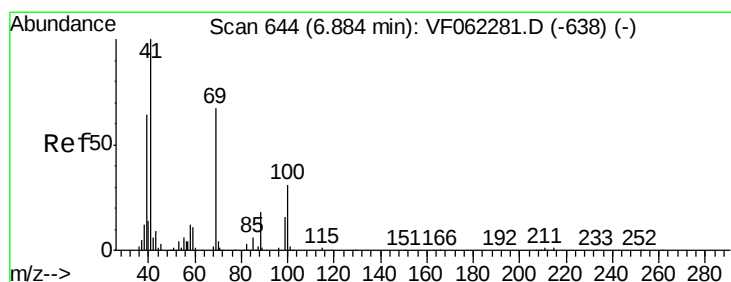
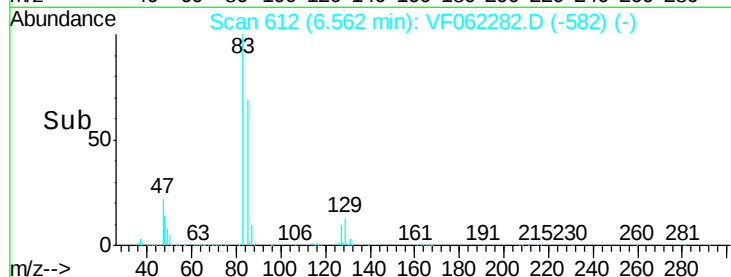
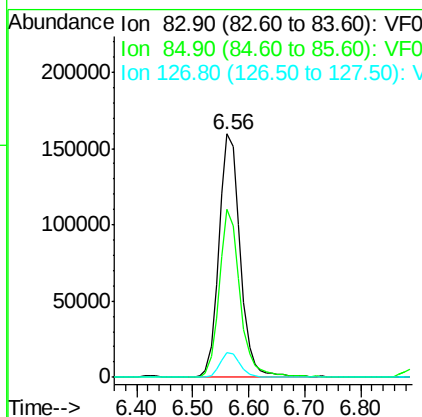
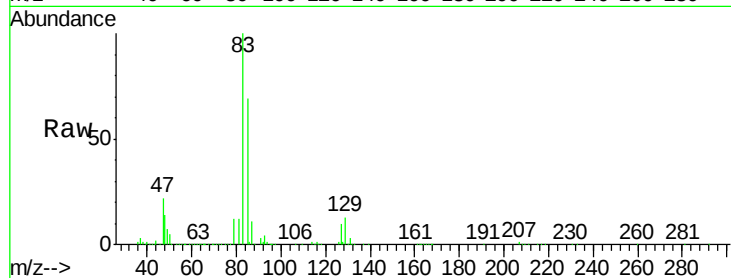
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	422963
Ion	Ratio	Lower	Upper
83	100		
85	68.9	54.6	81.8
127	10.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



#48

Methyl methacrylate

Concen: 76.584 ug/l

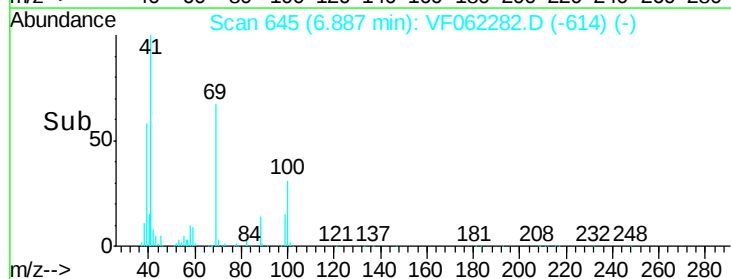
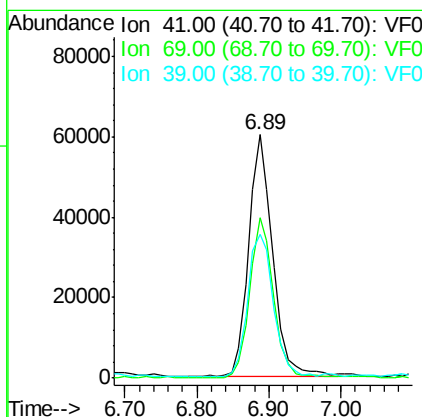
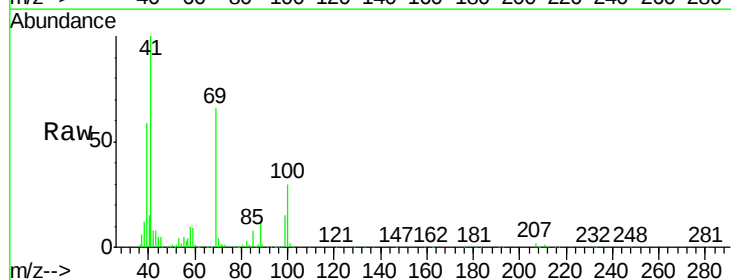
RT: 6.89 min Scan# 645

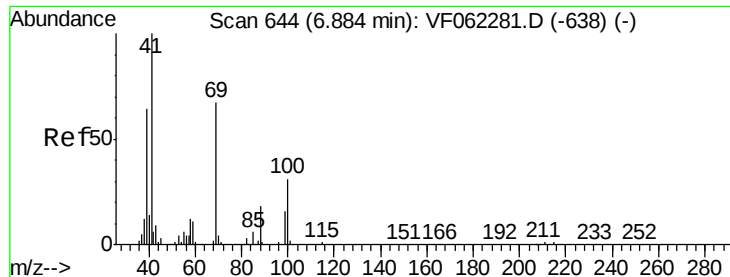
Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion:	41	Resp:	140793
Ion	Ratio	Lower	Upper
41	100		
69	65.9	53.4	80.2
39	62.6	50.9	76.3





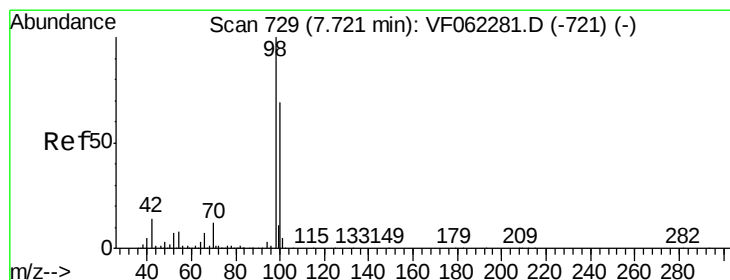
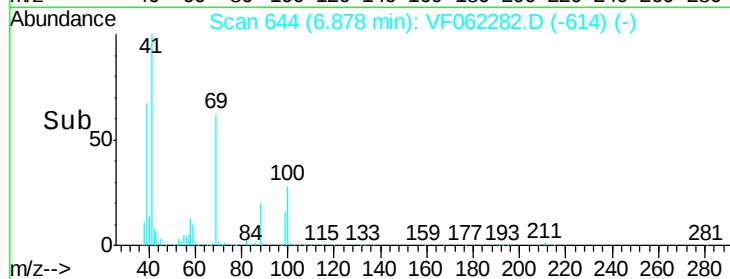
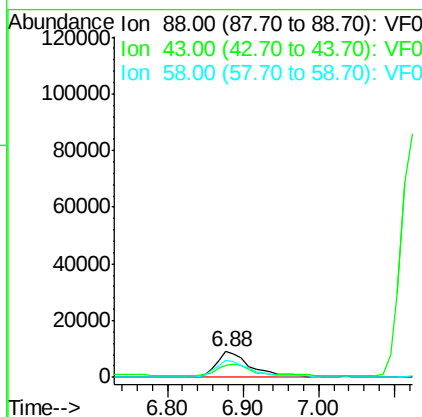
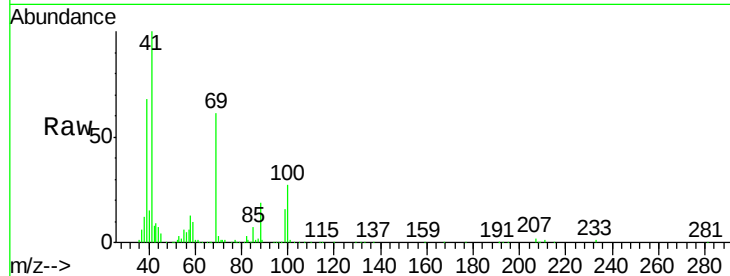
#49
1,4-Dioxane
Concen: 1404.481 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
88	100	29551		
43	42.4		34.2	51.4
58	68.5		50.7	76.1

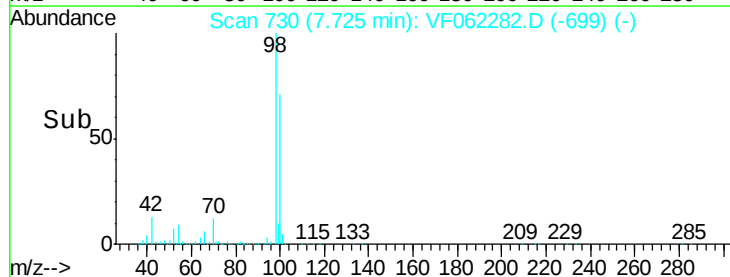
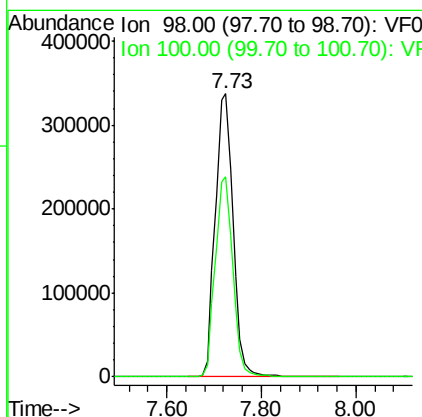
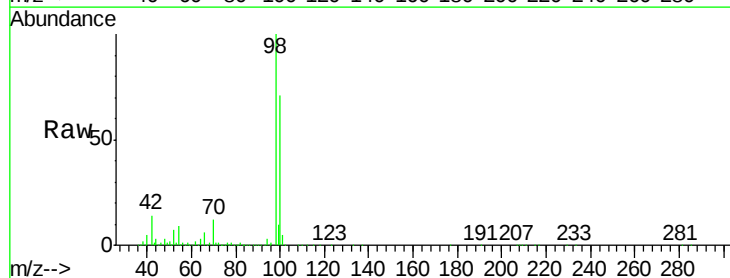
Manual Integrations
APPROVED

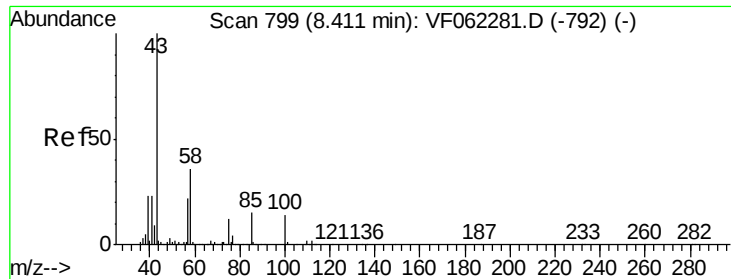
MMDadoda
4/26/2019 9:21:01 AM



#50
Toluene-d8
Concen: 74.665 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	883865		
100	69.7		54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 341.956 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 701007

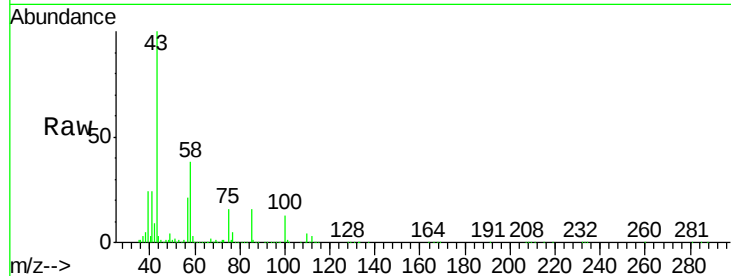
Ion Ratio Lower Upper

43 100

58 35.9 29.1 43.7

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

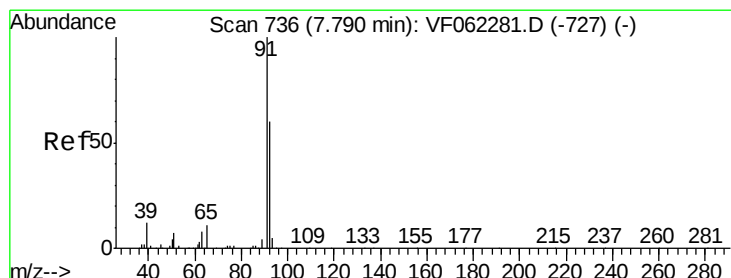
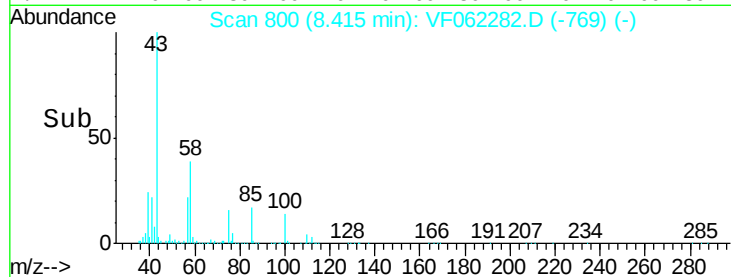
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 73.193 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF062282.D

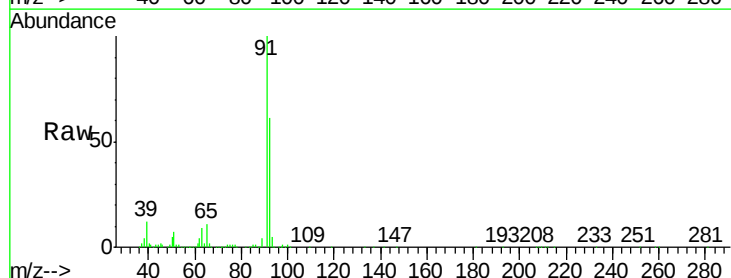
Acq: 24 Apr 2019 15:40

Tgt Ion: 92 Resp: 626427

Ion Ratio Lower Upper

92 100

91 163.5 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

400000

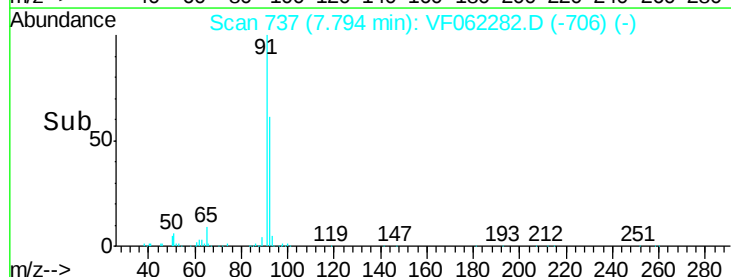
300000

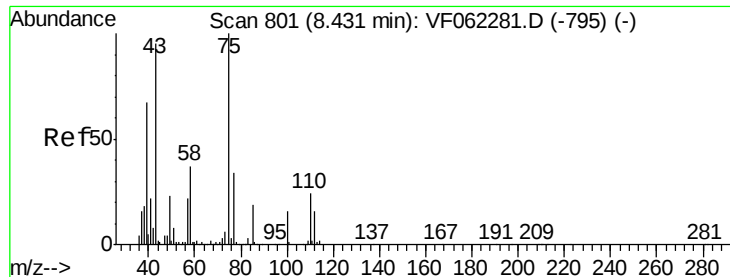
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 74.244 ug/l

RT: 8.43 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 303093

Ion Ratio Lower Upper

75 100

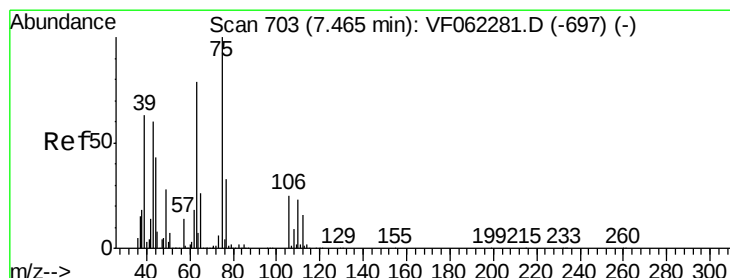
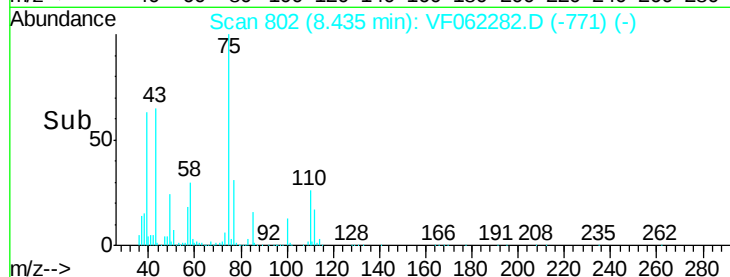
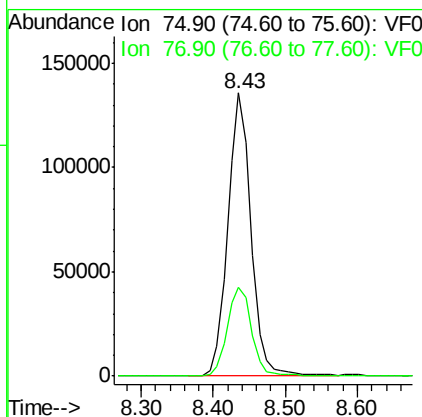
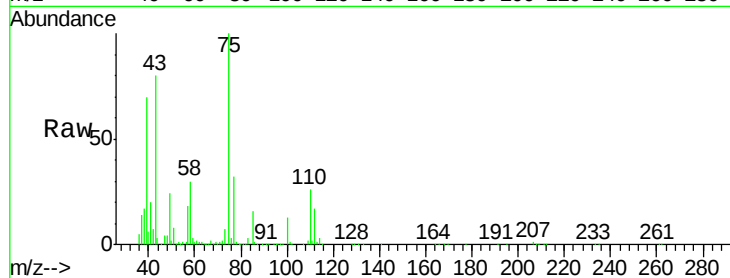
77 31.3 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

4/26/2019 9:21:01 AM



#54

cis-1,3-Dichloropropene

Concen: 74.249 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

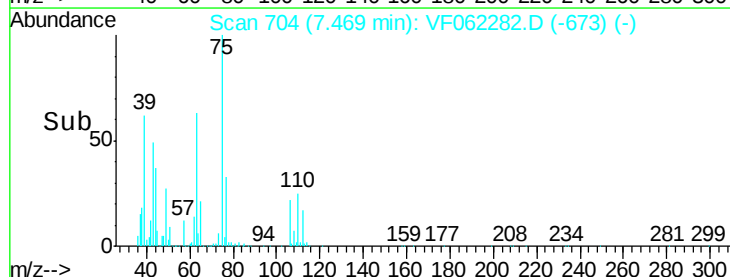
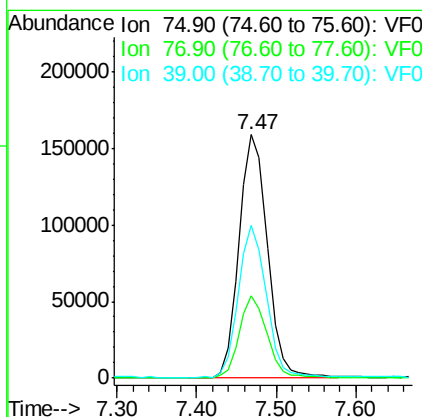
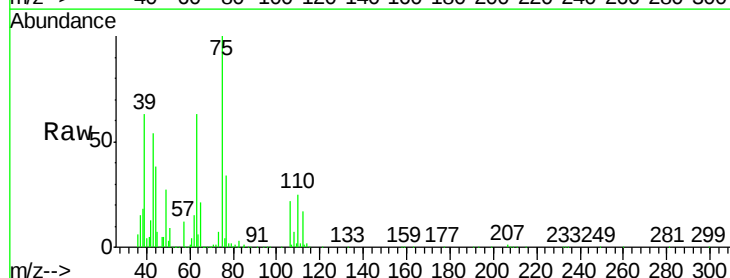
Tgt Ion: 75 Resp: 393594

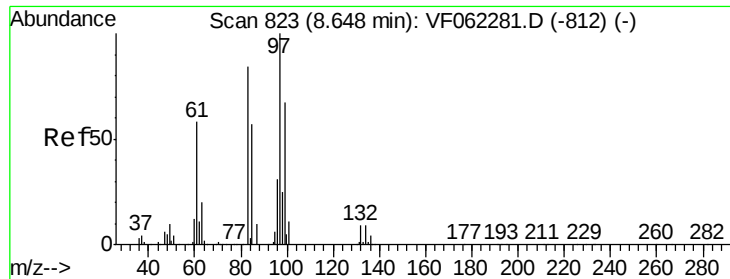
Ion Ratio Lower Upper

75 100

77 33.3 26.5 39.7

39 62.6 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 78.220 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

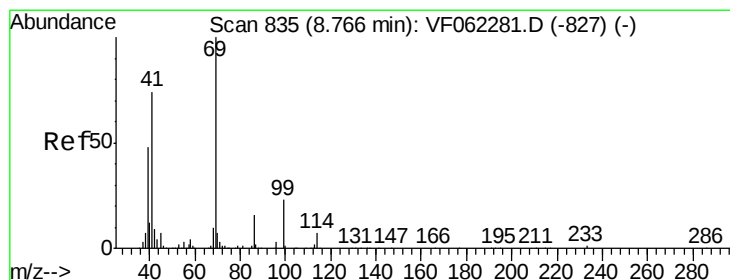
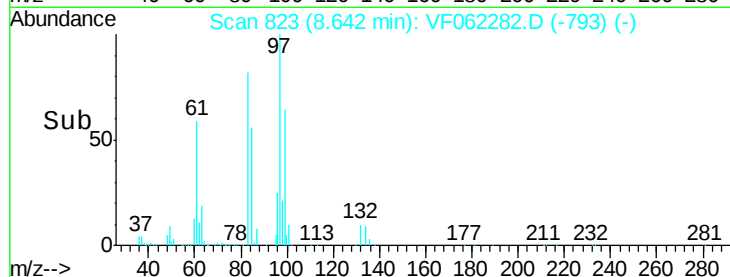
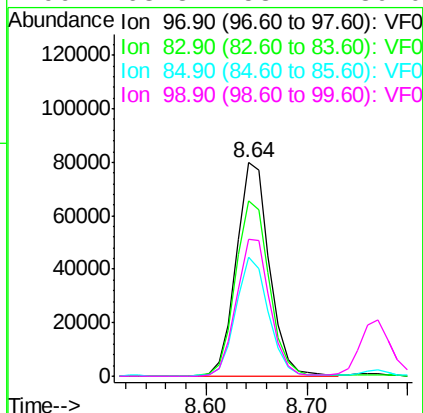
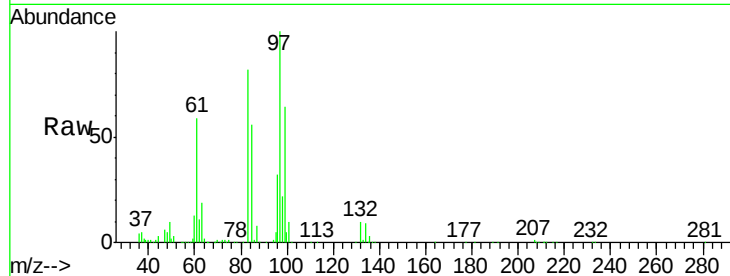
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	182976
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.5	101.3
85	55.2	45.3	67.9
99	63.8	53.4	80.0

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



#56

Ethyl methacrylate

Concen: 74.692 ug/l

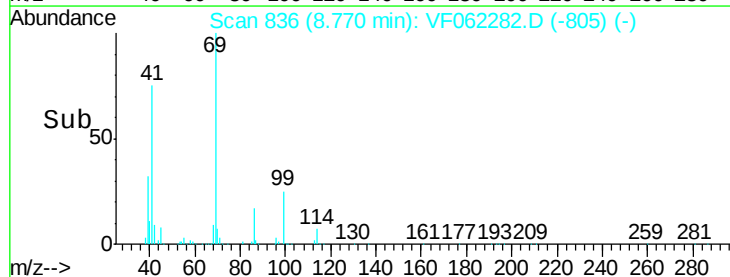
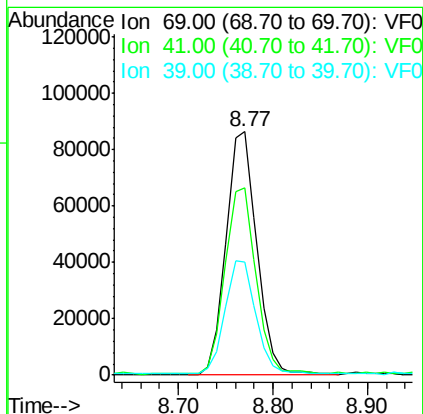
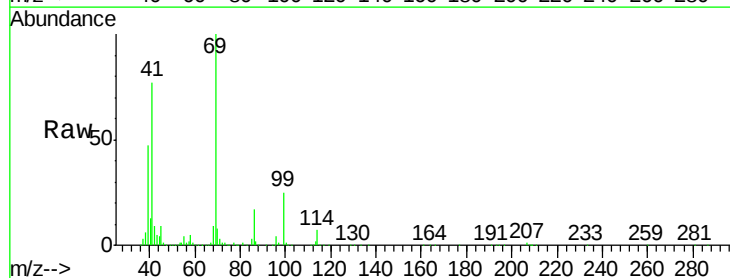
RT: 8.77 min Scan# 836

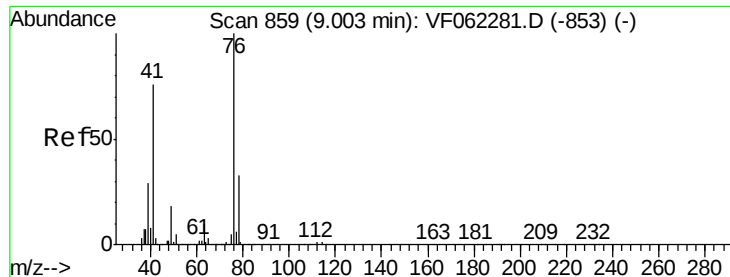
Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion:	69	Resp:	195323
Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.5	92.3
39	46.2	37.9	56.9





#57

1,3-Dichloropropane

Concen: 76.688 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 282120

Ion Ratio Lower Upper

76 100

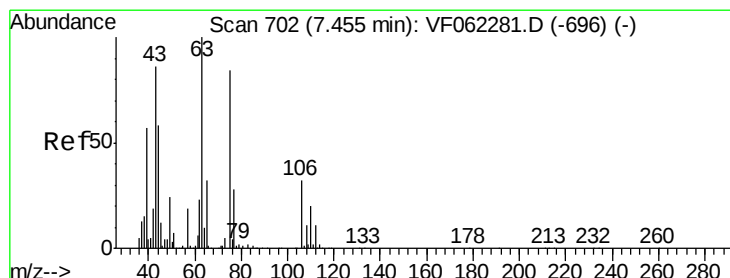
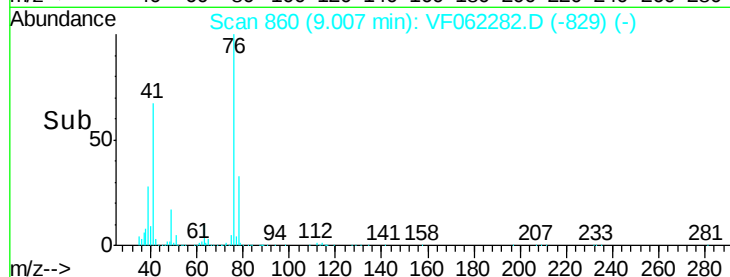
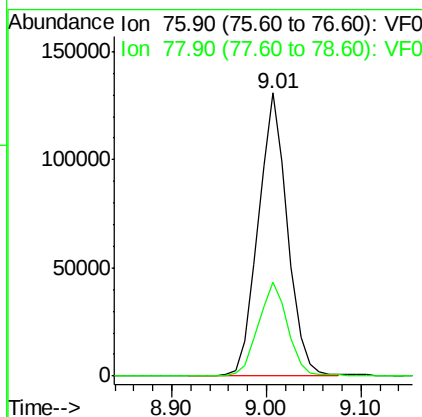
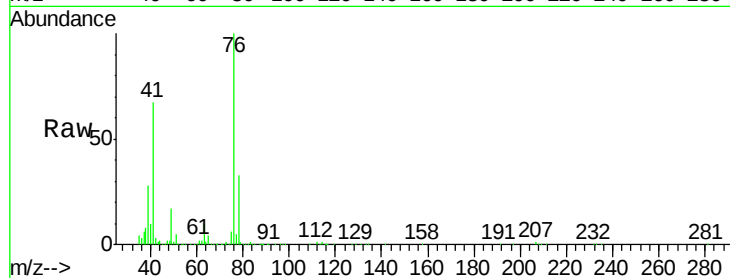
78 33.6 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

4/26/2019 9:21:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 347.118 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062282.D

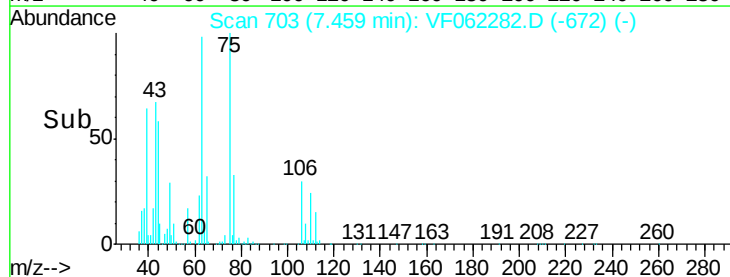
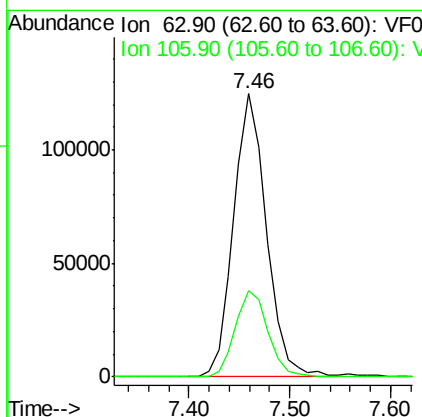
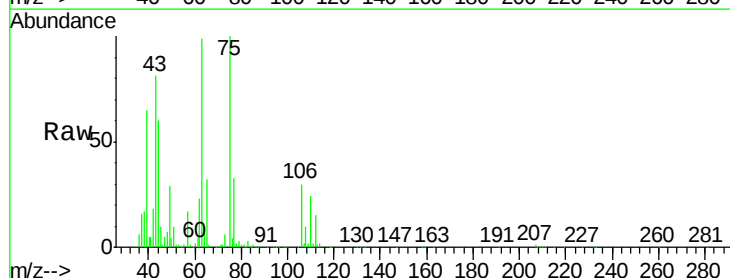
Acq: 24 Apr 2019 15:40

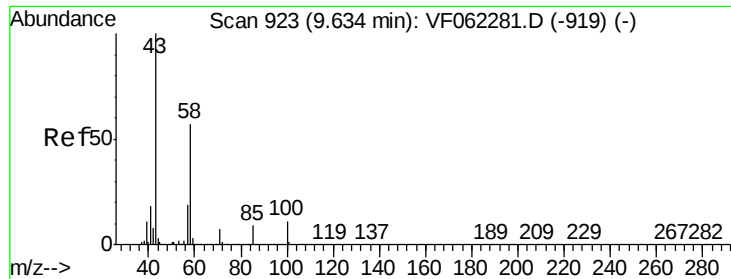
Tgt Ion: 63 Resp: 280420

Ion Ratio Lower Upper

63 100

106 31.3 24.7 37.1





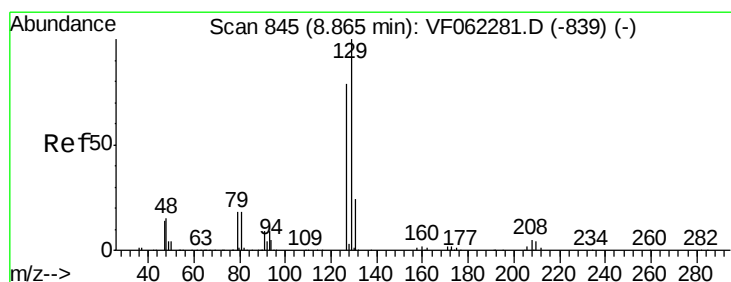
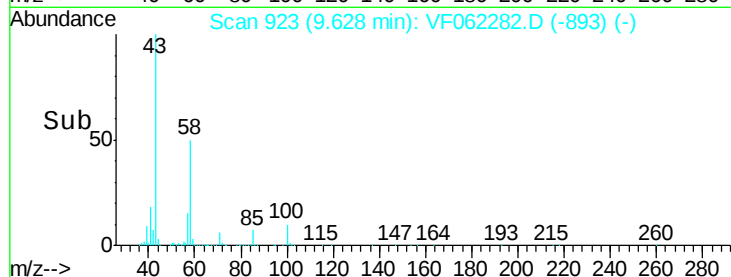
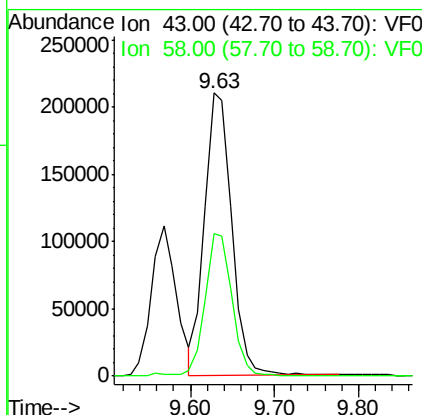
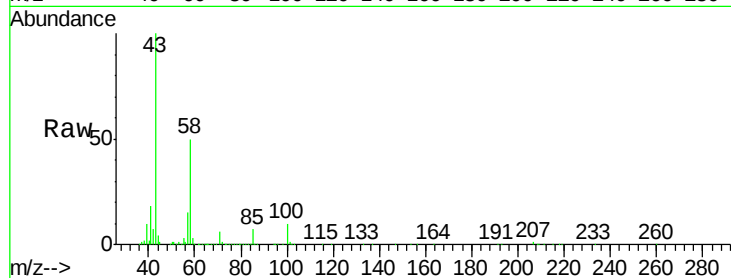
#59
2-Hexanone
Concen: 235.095 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 469986
Ion Ratio Lower Upper
43 100
58 50.9 24.9 74.7

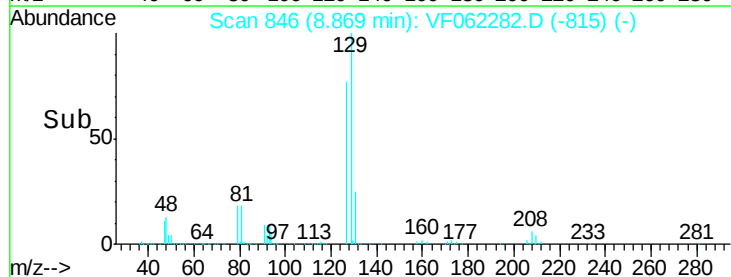
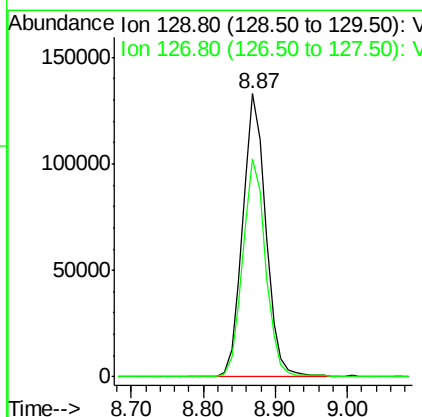
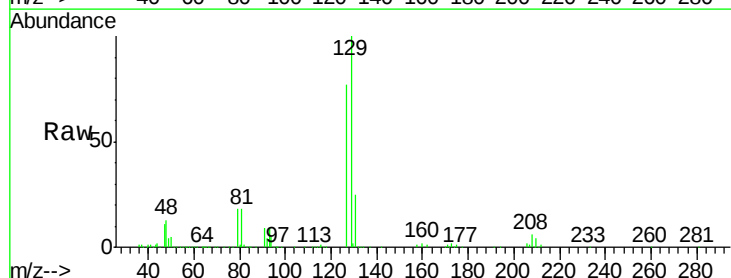
Manual Integrations
APPROVED

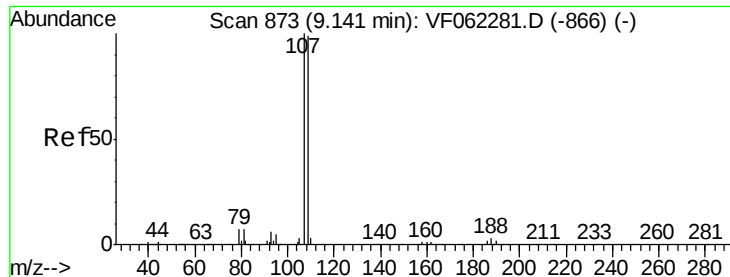
MMDadoda
4/26/2019 9:21:01 AM



#60
Dibromochloromethane
Concen: 79.741 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion: 129 Resp: 300572
Ion Ratio Lower Upper
129 100
127 76.3 38.8 116.4





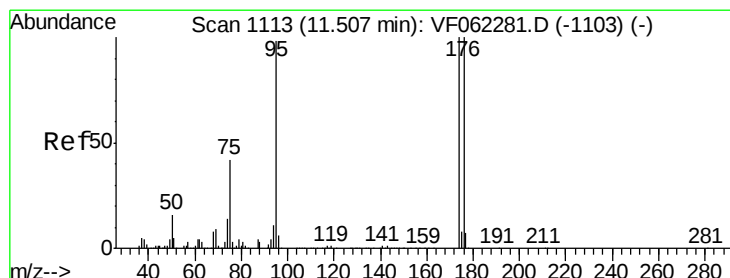
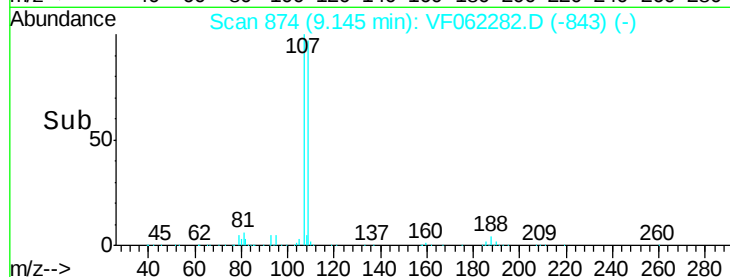
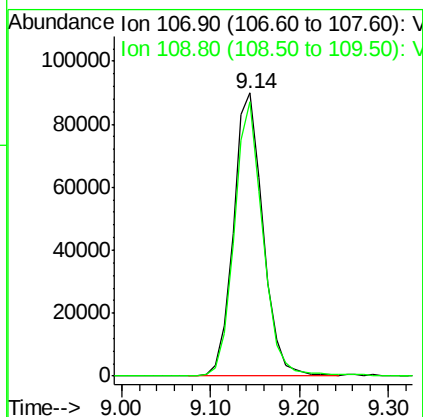
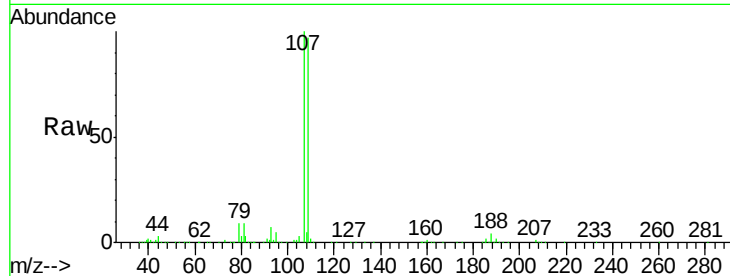
#61
 1,2-Dibromoethane
 Concen: 76.336 ug/l
 RT: 9.14 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	78.7	118.1

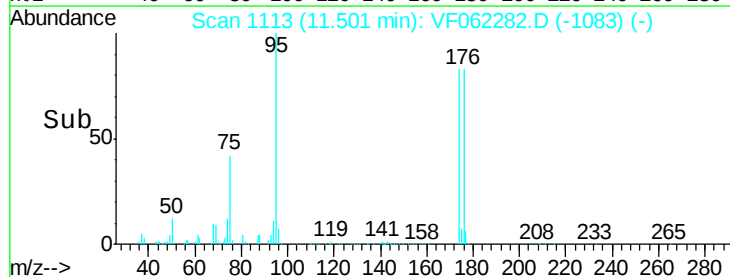
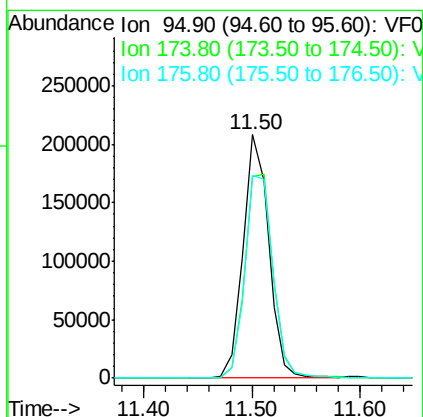
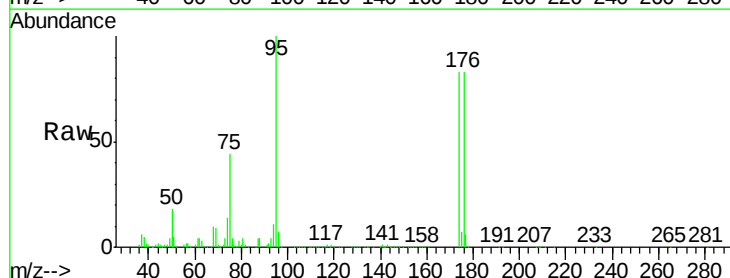
Manual Integrations
 APPROVED

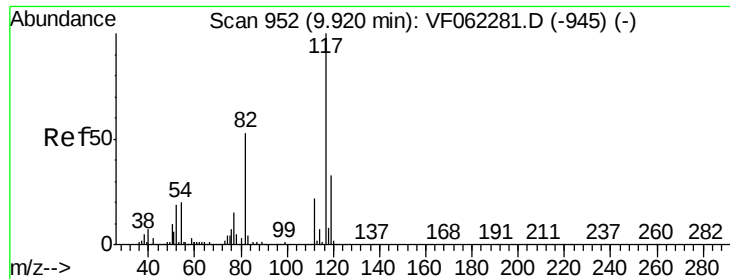
MMDadoda
 4/26/2019 9:21:01 AM



#62
 4-Bromofluorobenzene
 Concen: 68.833 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	185.2
176	90.9	0.0	184.8





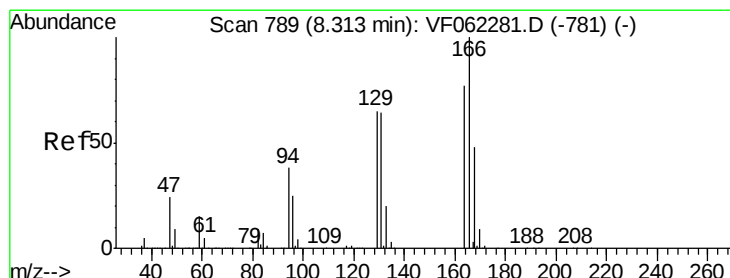
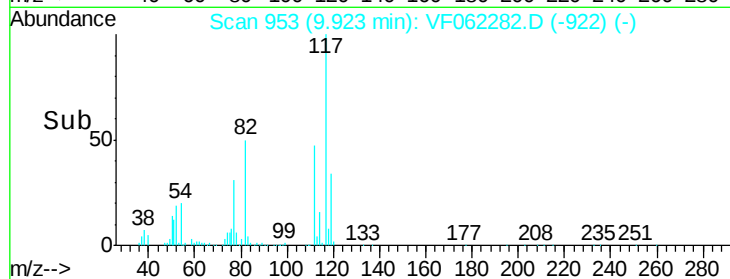
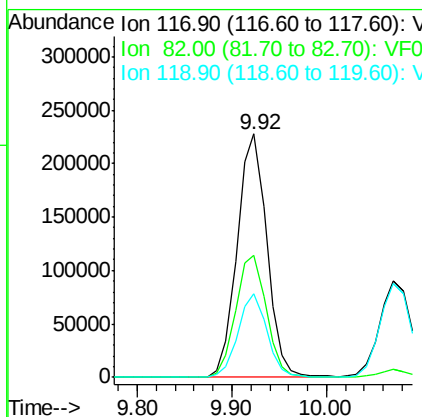
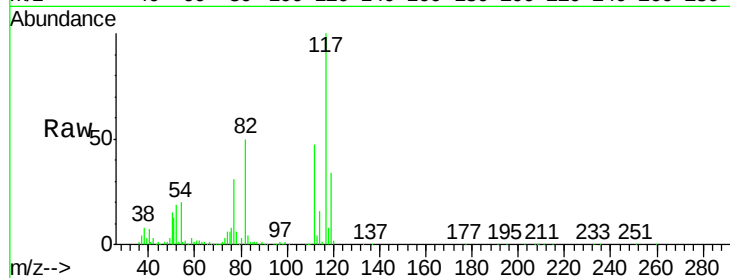
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
117	100	497658		
82	50.0		42.6	64.0
119	34.2		26.1	39.1

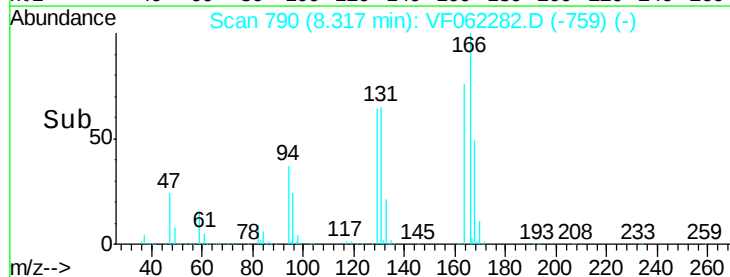
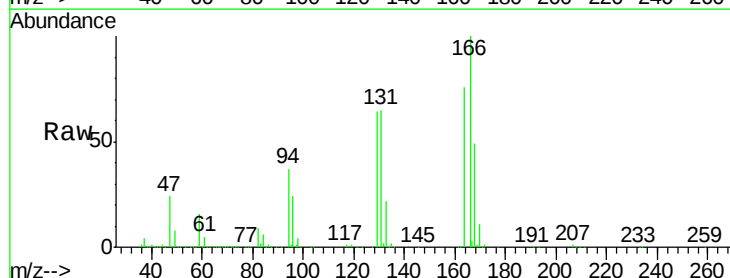
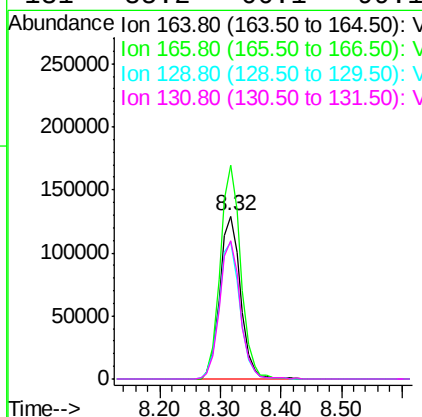
Manual Integrations
APPROVED

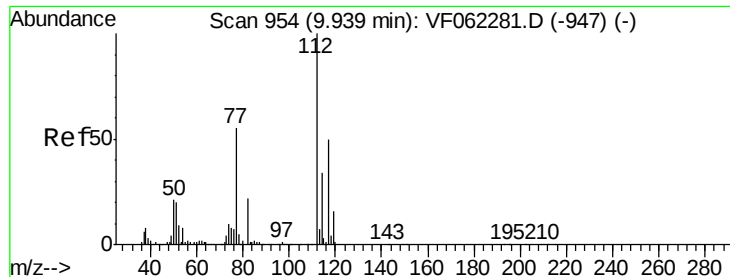
MMDadoda
4/26/2019 9:21:01 AM



#64
Tetrachloroethene
Concen: 72.048 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	308185		
166	131.4		103.5	155.3
129	84.3		67.6	101.4
131	85.2		66.1	99.1





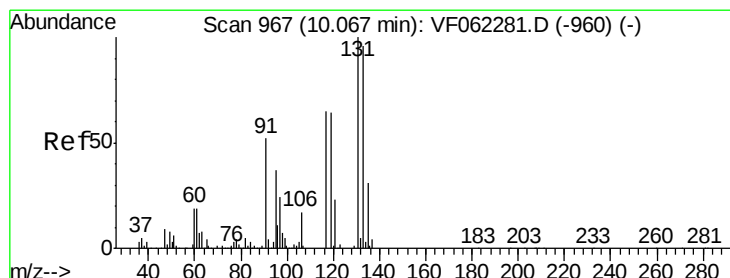
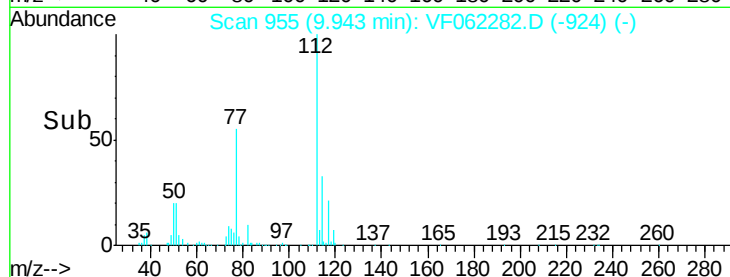
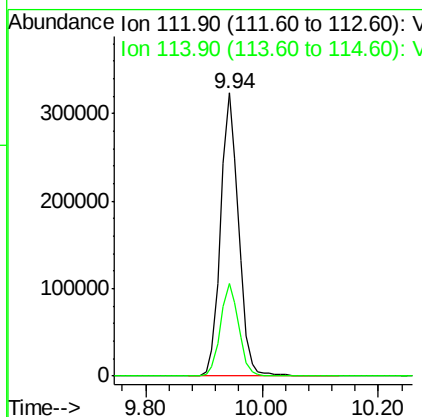
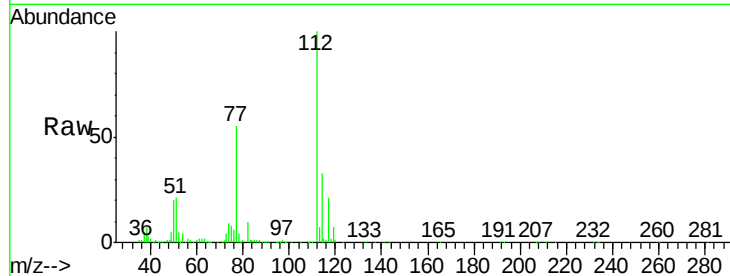
#65
Chlorobenzene
Concen: 75.026 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.0	40.6

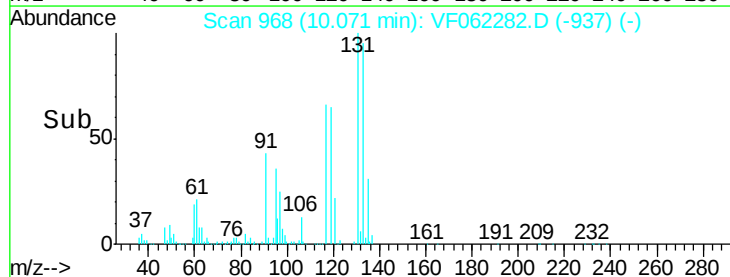
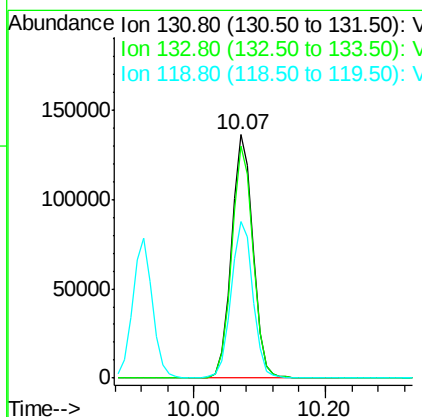
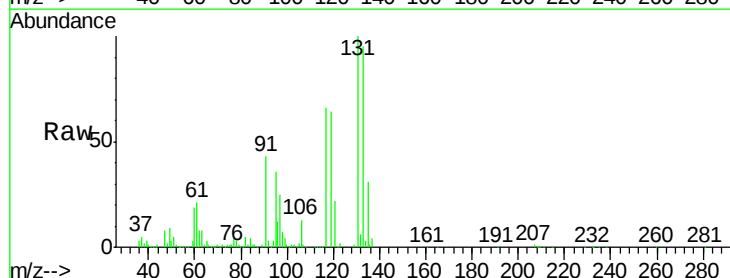
Manual Integrations
APPROVED

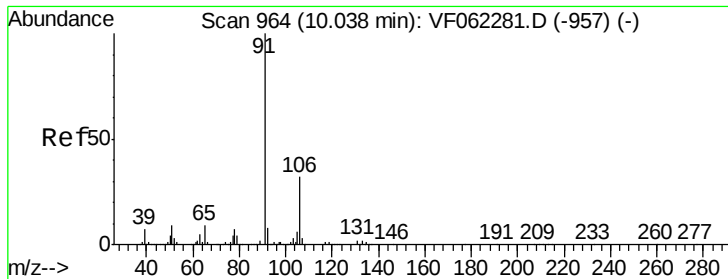
MMDadoda
4/26/2019 9:21:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 70.120 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.5	145.5
119	64.7	32.9	98.7





#67

Ethyl Benzene

Concen: 68.612 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 1123374

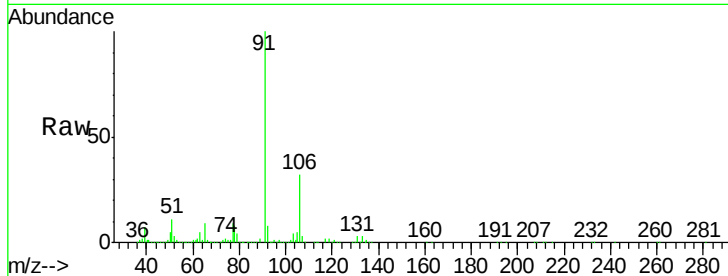
Ion Ratio Lower Upper

91 100

106 32.0 25.6 38.4

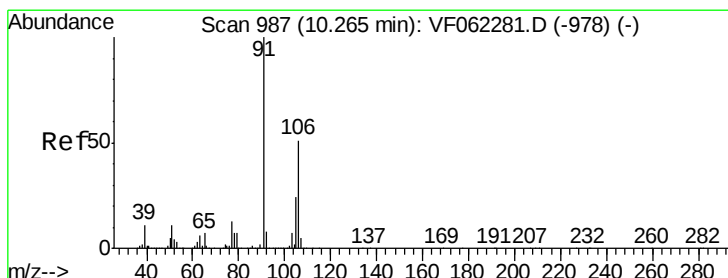
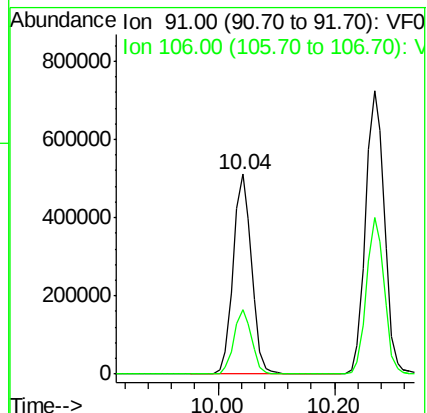
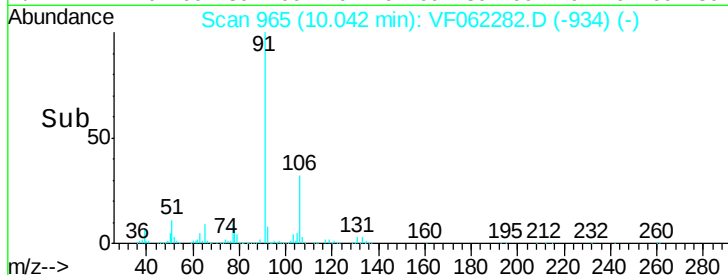
Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 141.078 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF062282.D

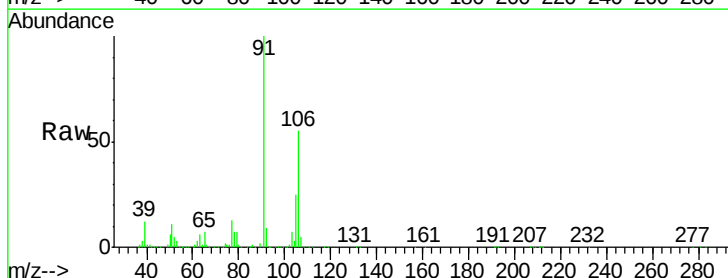
Acq: 24 Apr 2019 15:40

Tgt Ion: 106 Resp: 852871

Ion Ratio Lower Upper

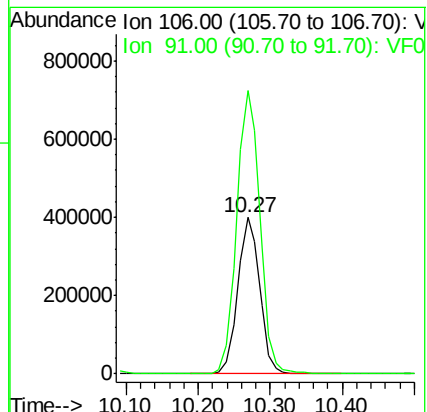
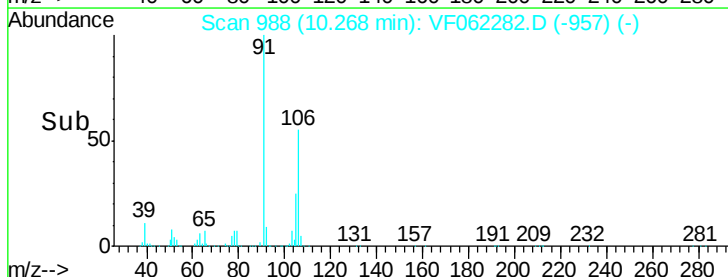
106 100

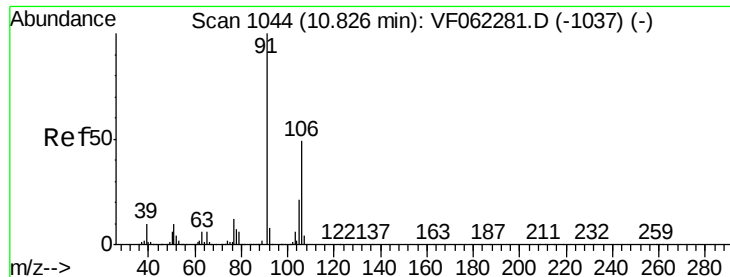
91 190.5 158.3 237.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





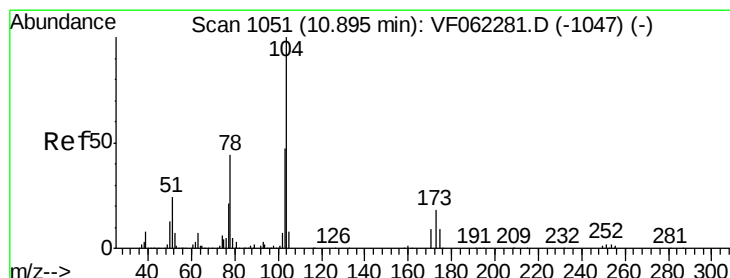
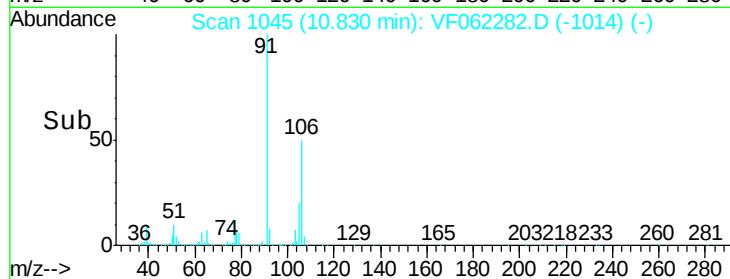
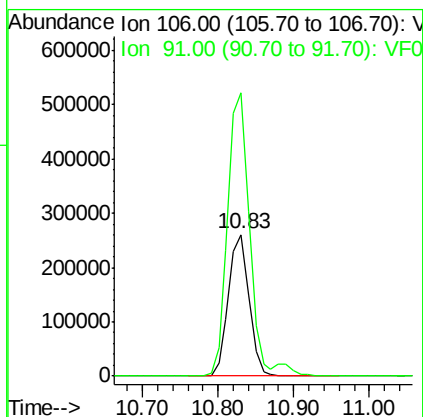
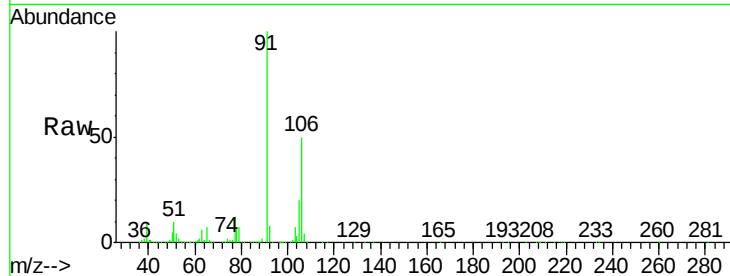
#69
o-Xylene
Concen: 72.688 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		493263		
91	206.9	110.0	330.0		

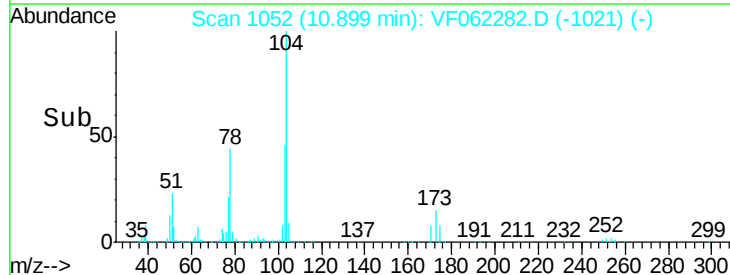
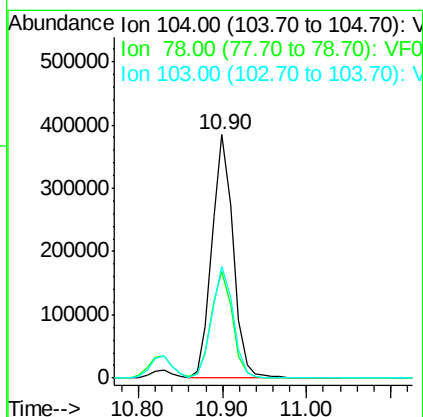
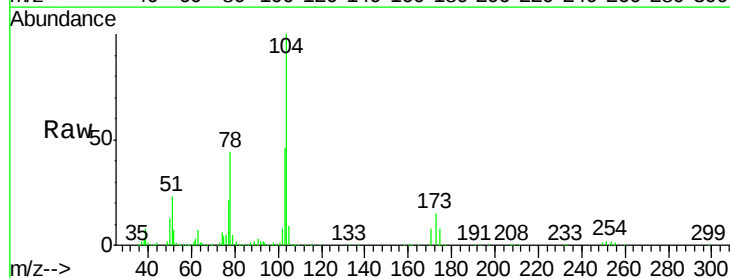
Manual Integrations
APPROVED

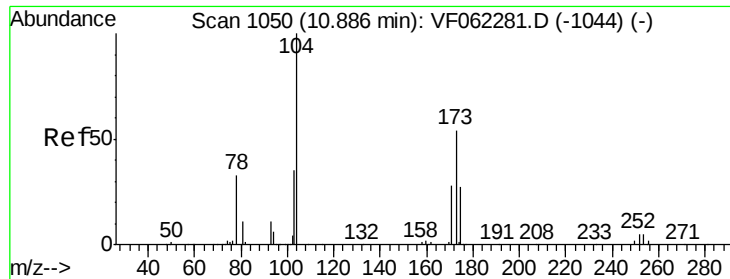
MMDadoda
4/26/2019 9:21:01 AM



#70
Styrene
Concen: 68.167 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		669224		
78	44.5	35.9	53.9		
103	46.6	37.5	56.3		





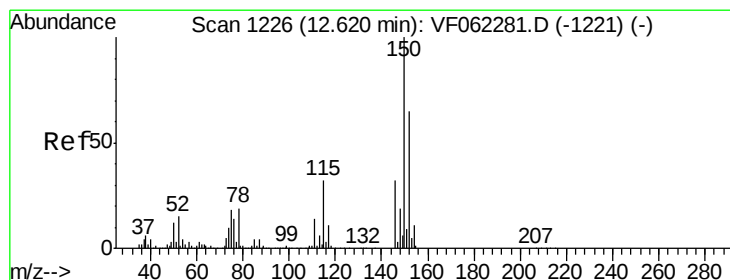
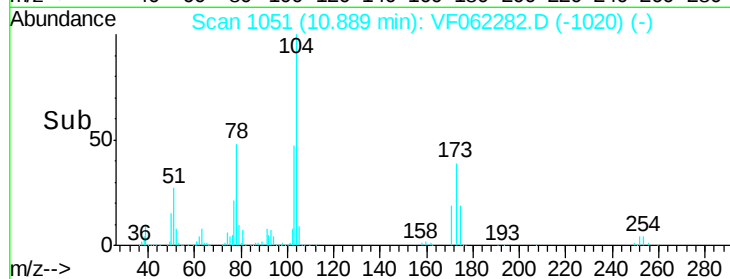
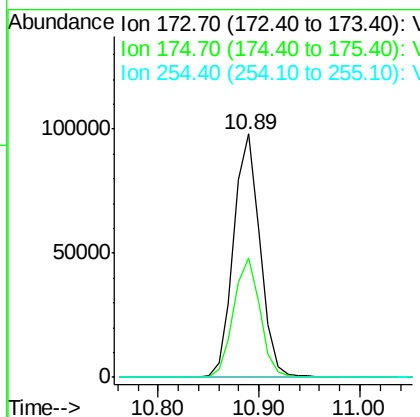
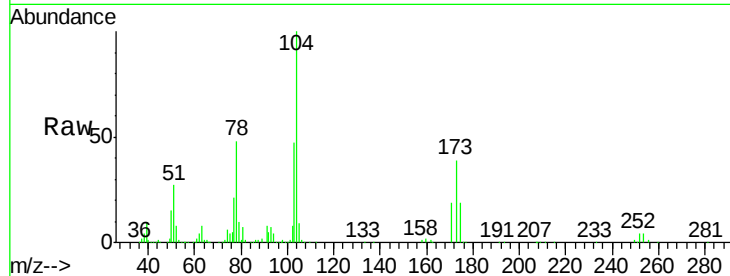
#71
Bromoform
Concen: 73.972 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
173	100	178618		
175	49.3	25.3	75.9	
254	0.1	0.1	0.1#	

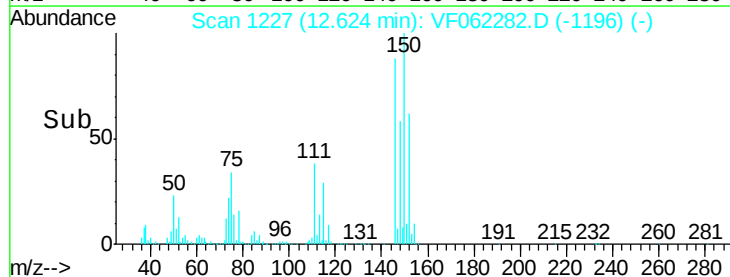
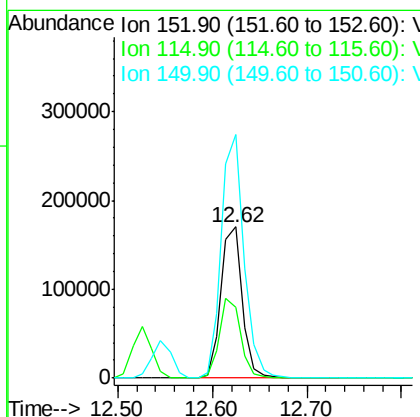
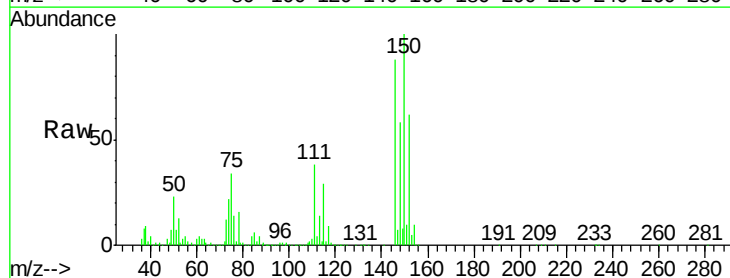
Manual Integrations
APPROVED

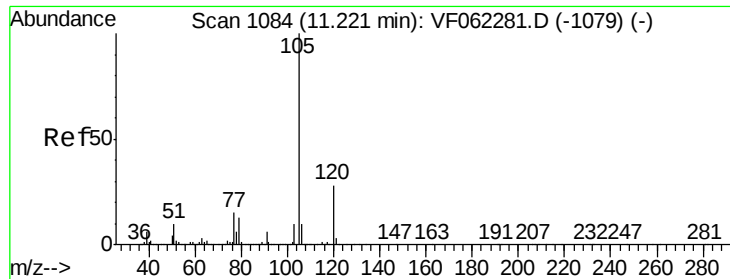
MMDadoda
4/26/2019 9:21:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	266160		
115	53.2	25.6	76.8	
150	171.7	0.0	330.6	





#73

Isopropylbenzene

Concen: 71.218 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 1353289

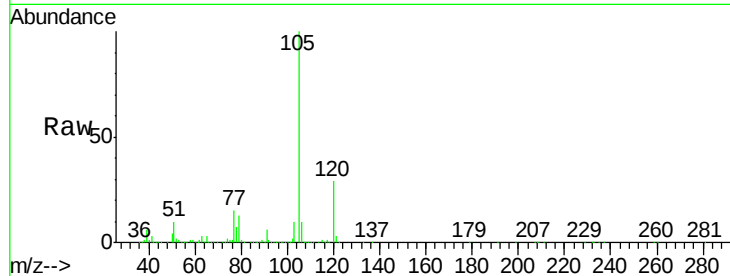
Ion Ratio Lower Upper

105 100

120 27.3 12.4 37.2

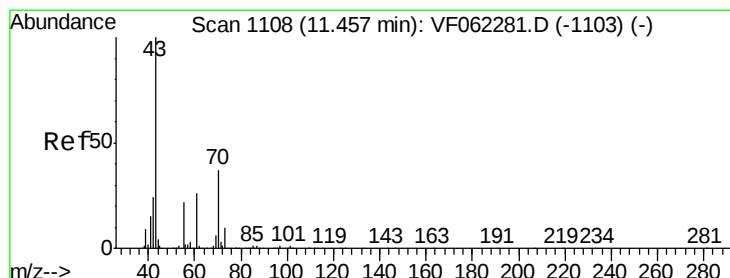
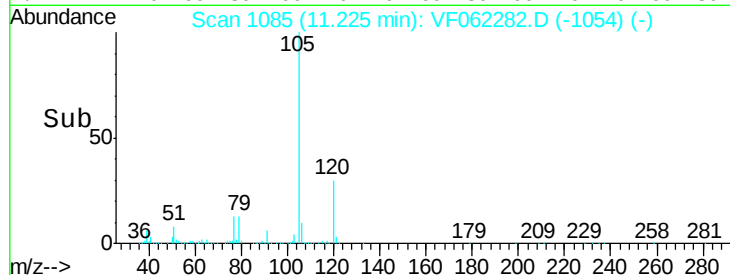
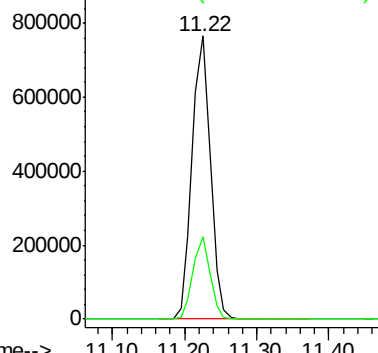
Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 66.074 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion: 43 Resp: 285059

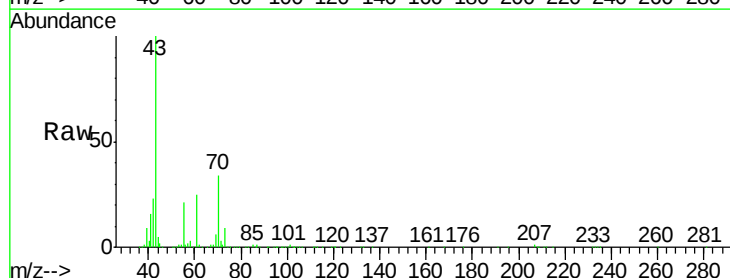
Ion Ratio Lower Upper

43 100

70 35.7 27.8 41.8

55 20.6 16.6 24.8

61 26.0 20.0 30.0

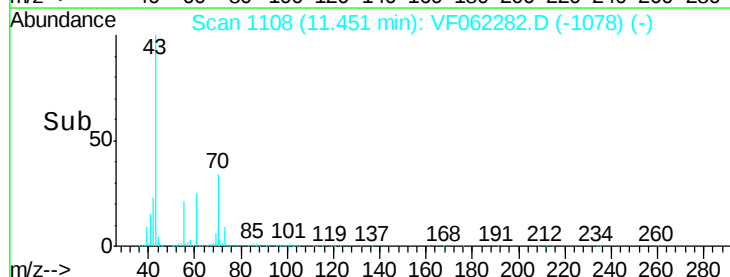
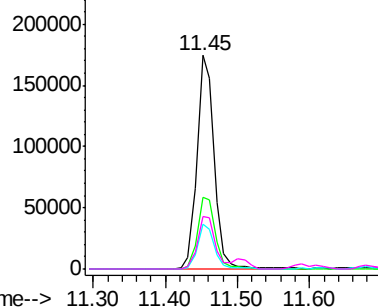


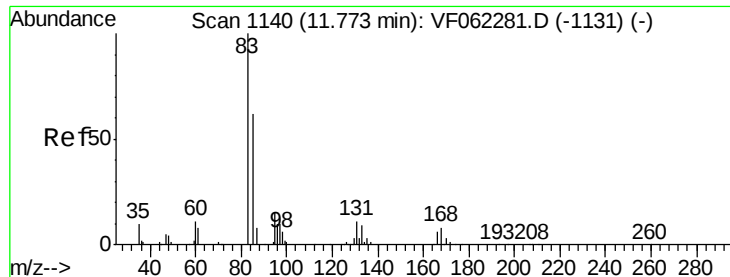
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 78.515 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

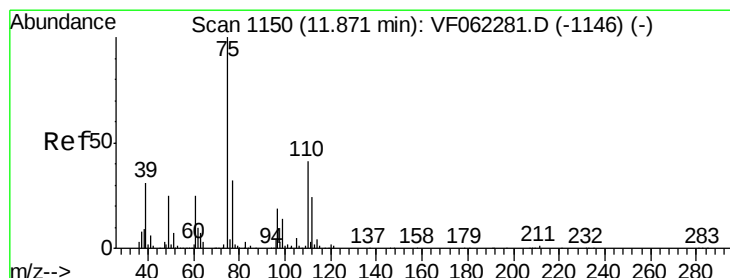
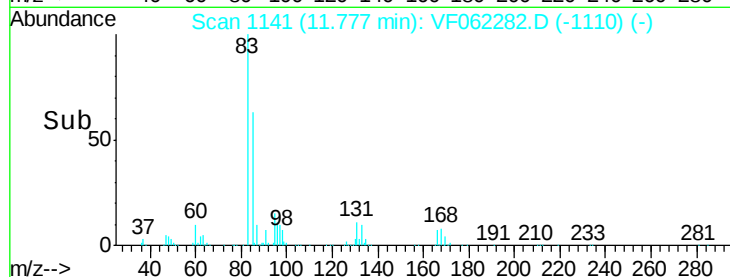
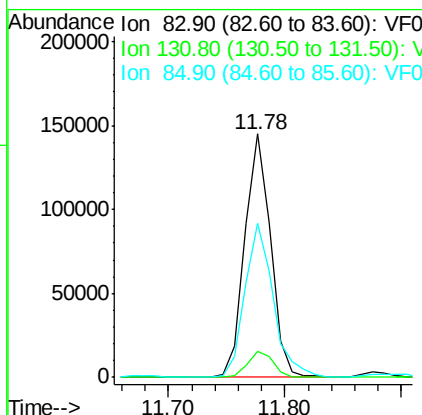
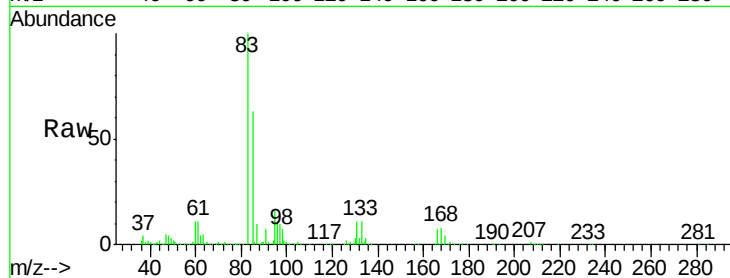
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	223109
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.5
85	69.8	34.5	103.6

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



#76

1,2,3-Trichloropropane

Concen: 76.781 ug/l

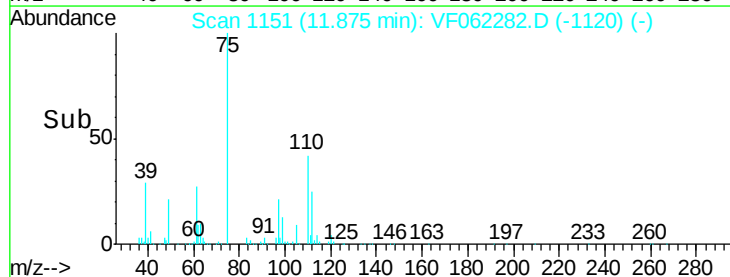
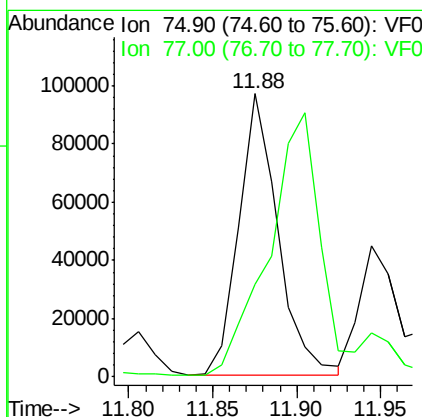
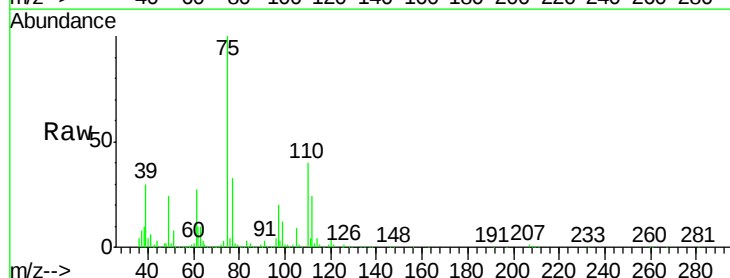
RT: 11.88 min Scan# 1151

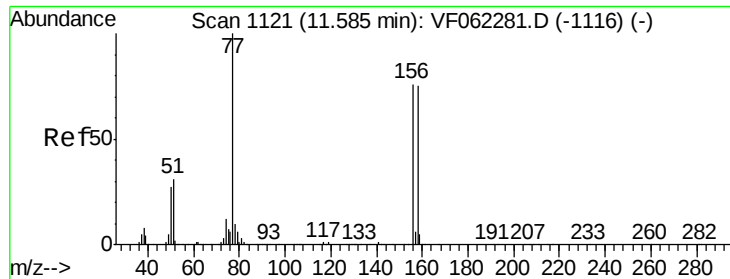
Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion:	75	Resp:	157446
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





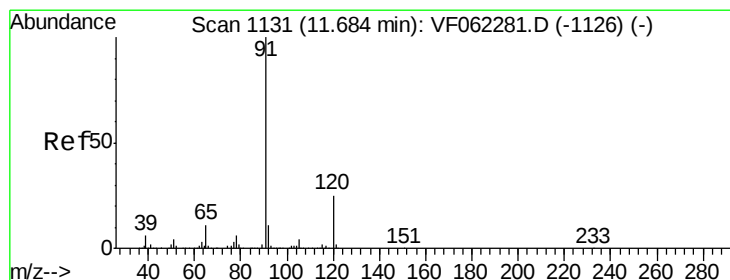
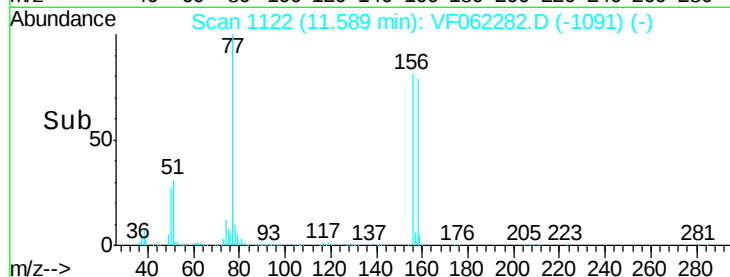
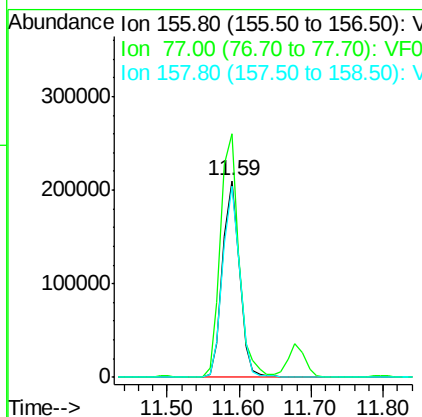
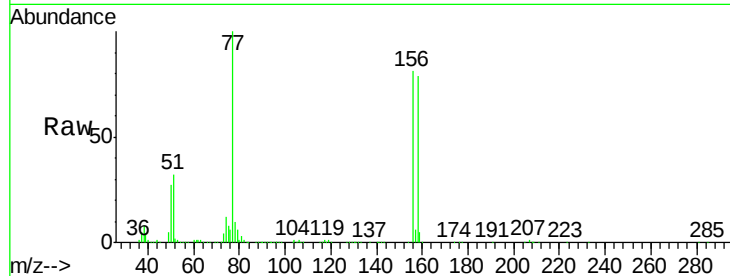
#77
Bromobenzene
Concen: 74.873 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.8	67.3	201.9
158	98.5	49.5	148.5

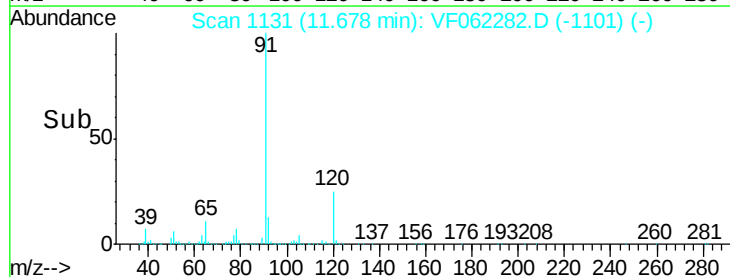
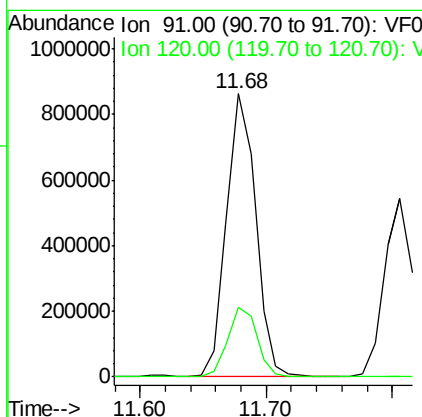
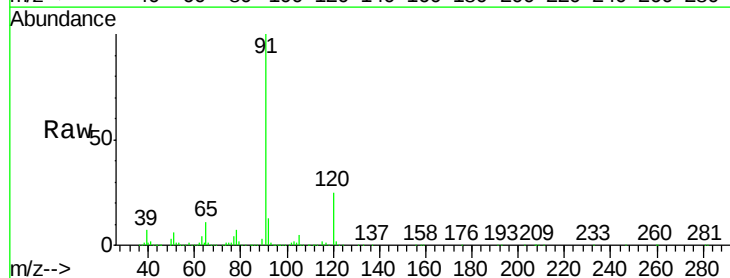
Manual Integrations
APPROVED

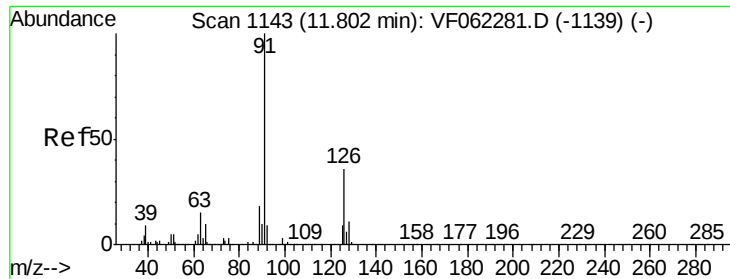
MMDadoda
4/26/2019 9:21:01 AM



#78
n-propylbenzene
Concen: 69.817 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	11.8	35.4





#79

2-Chlorotoluene

Concen: 73.969 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 869292

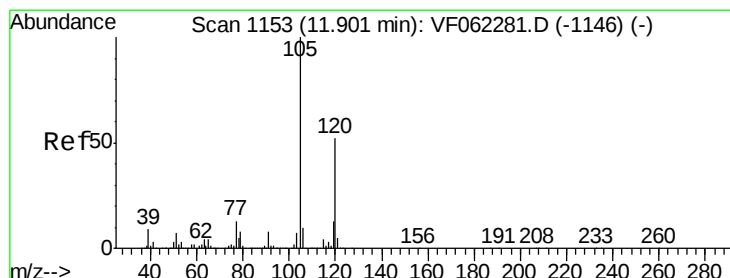
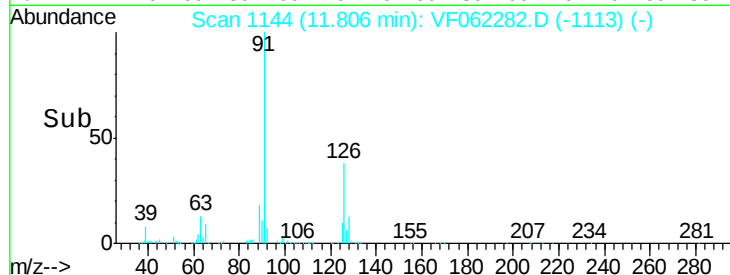
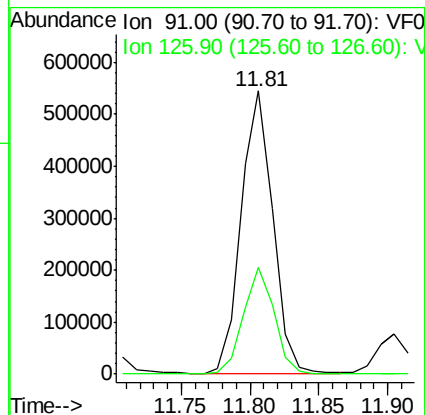
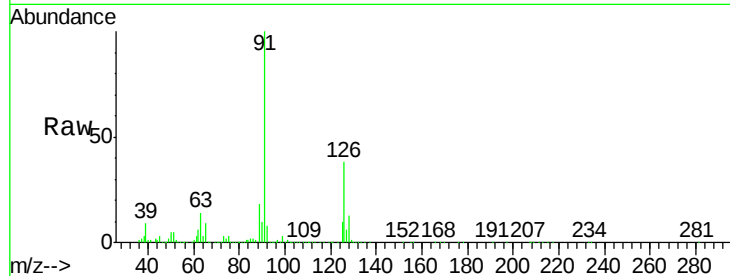
Ion Ratio Lower Upper

91 100

126 37.0 17.9 53.8

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



#80

1,3,5-Trimethylbenzene

Concen: 69.107 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF062282.D

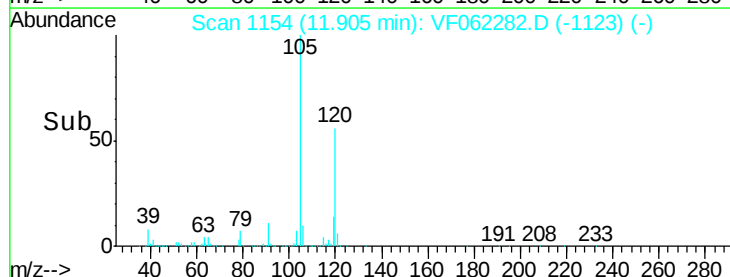
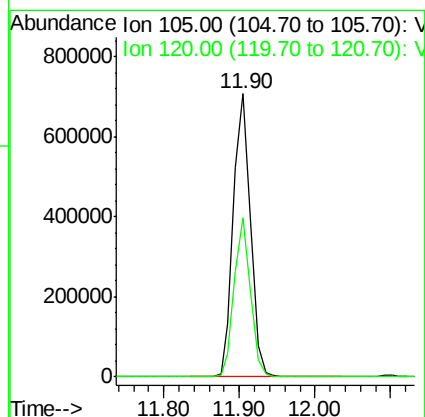
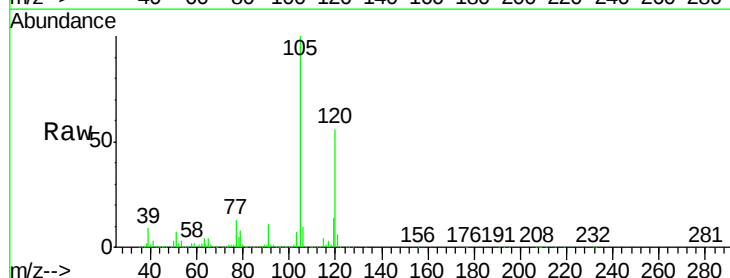
Acq: 24 Apr 2019 15:40

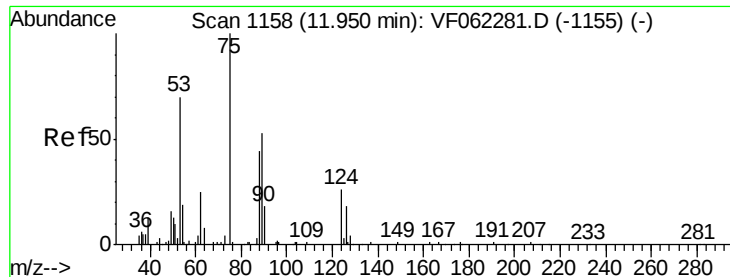
Tgt Ion: 105 Resp: 1098733

Ion Ratio Lower Upper

105 100

120 53.1 25.8 77.4





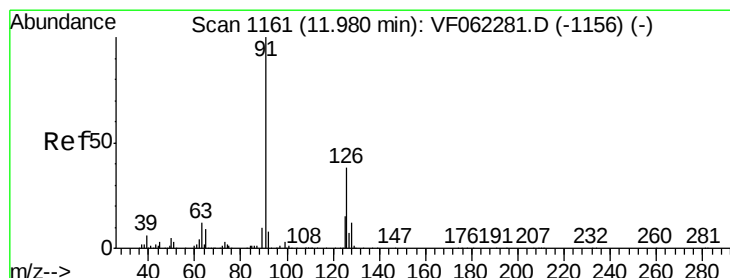
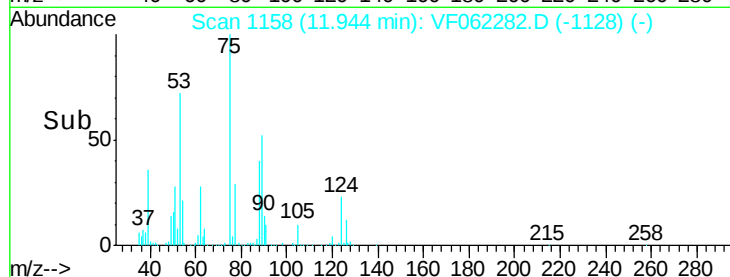
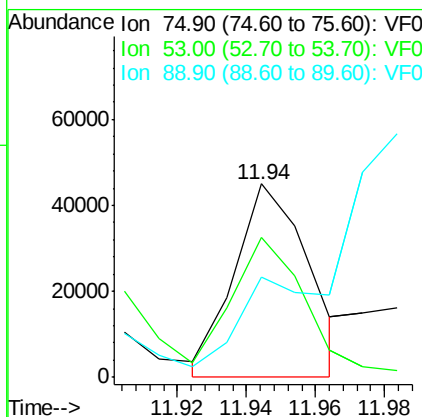
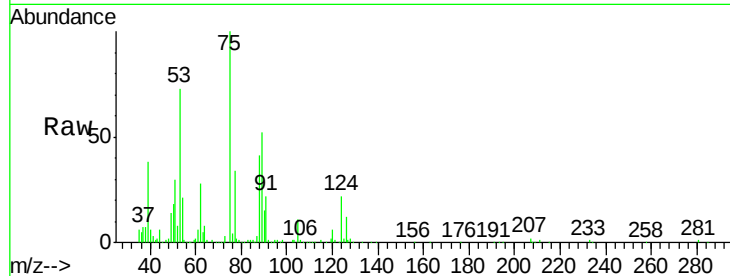
#81
trans-1,4-Dichloro-2-butene
Concen: 56.016 ug/l m
RT: 11.94 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.0	67.1	100.7
89	0.0	0.0	0.0

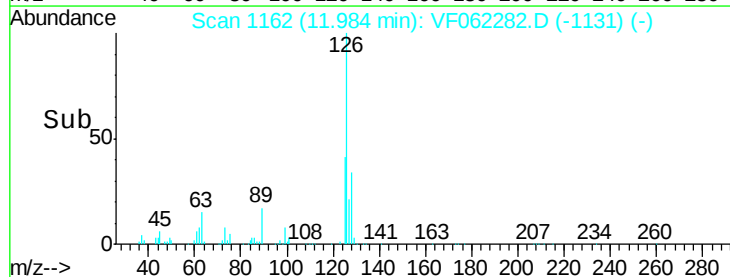
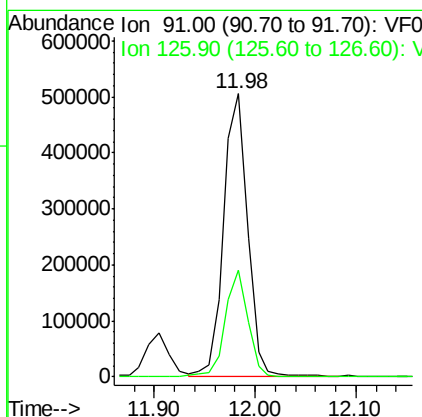
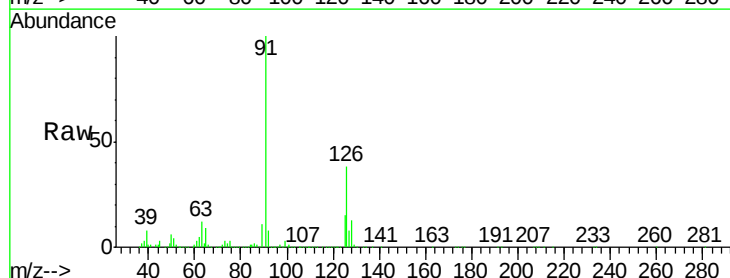
Manual Integrations
APPROVED

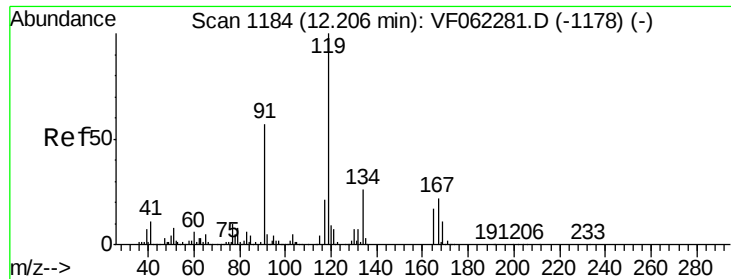
MMDadoda
4/26/2019 9:21:01 AM



#82
4-Chlorotoluene
Concen: 70.838 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.3	52.0





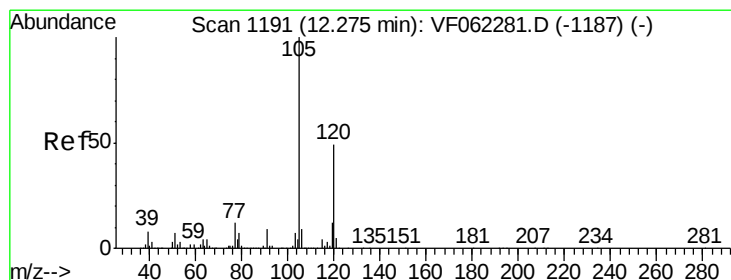
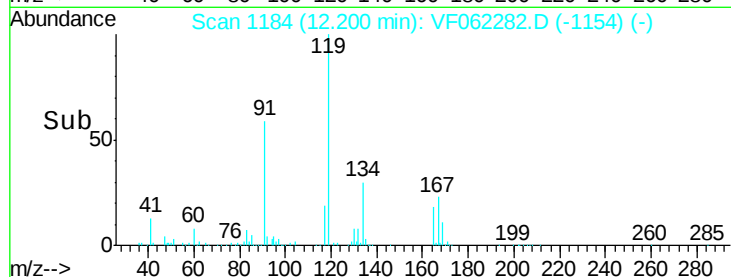
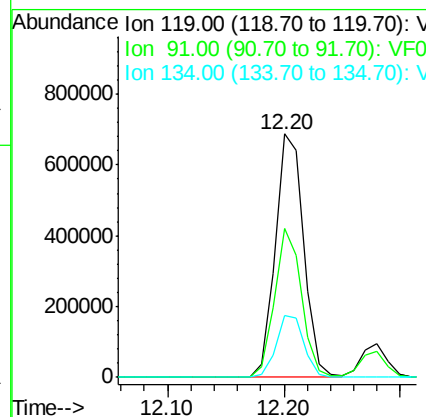
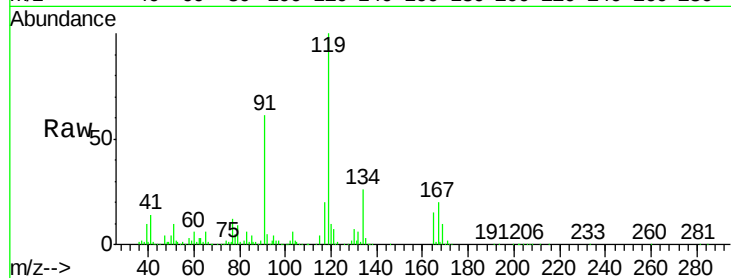
#83
tert-Butylbenzene
Concen: 69.542 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:119 Resp: 1159269
Ion Ratio Lower Upper
119 100
91 57.6 29.4 88.2
134 25.0 11.9 35.7

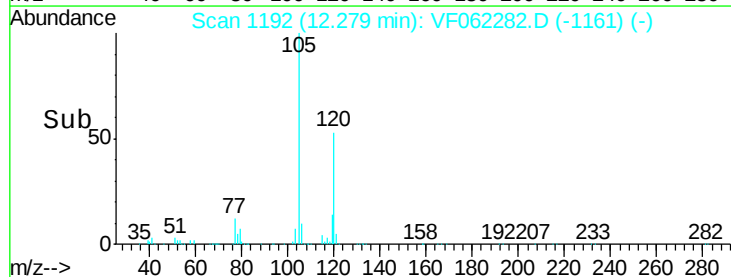
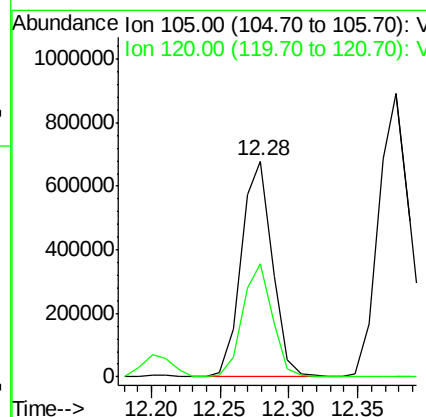
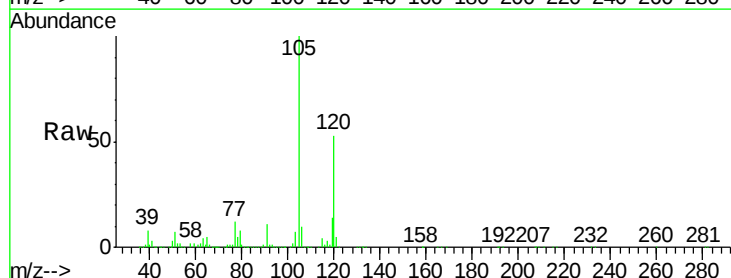
Manual Integrations
APPROVED

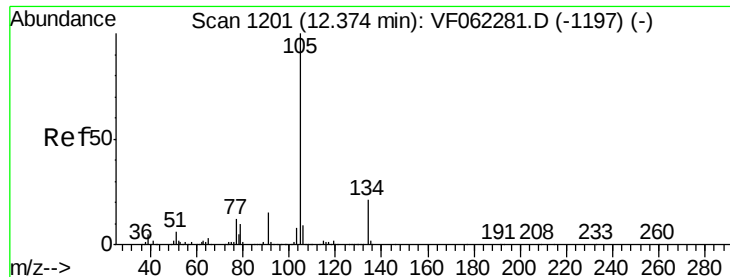
MMDadoda
4/26/2019 9:21:01 AM



#84
1,2,4-Trimethylbenzene
Concen: 67.929 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion:105 Resp: 1062089
Ion Ratio Lower Upper
105 100
120 49.9 24.1 72.2





#85

sec-Butylbenzene

Concen: 67.808 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 1403190

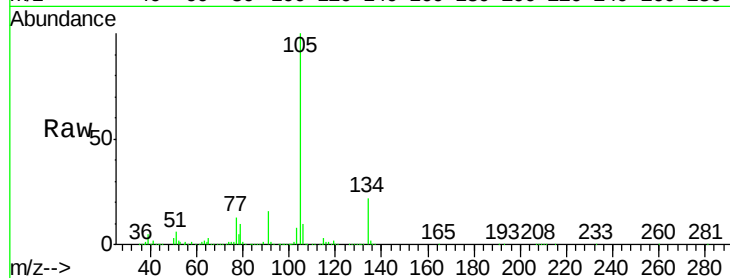
Ion Ratio Lower Upper

105 100

134 20.9 10.2 30.4

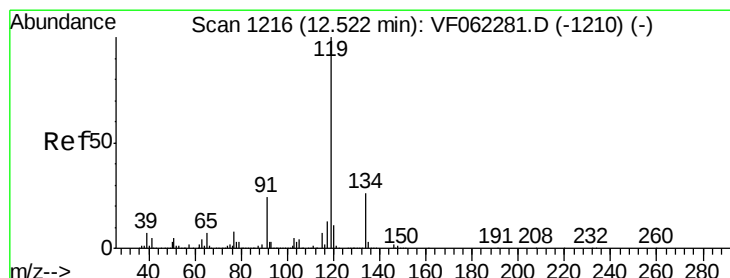
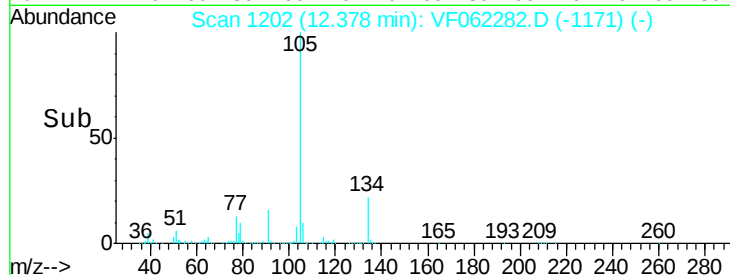
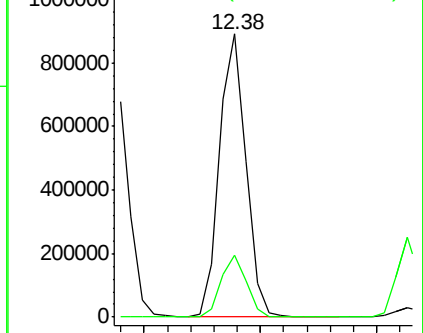
Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:01 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 68.477 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

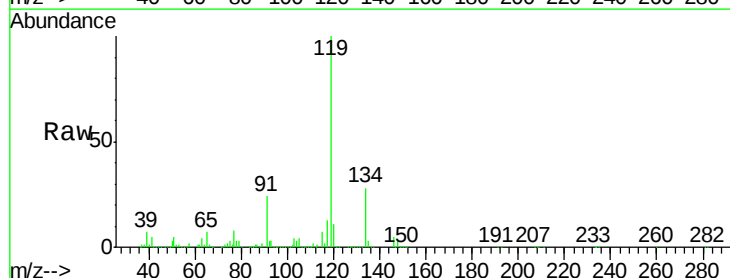
Tgt Ion:119 Resp: 1261367

Ion Ratio Lower Upper

119 100

134 27.3 13.2 39.5

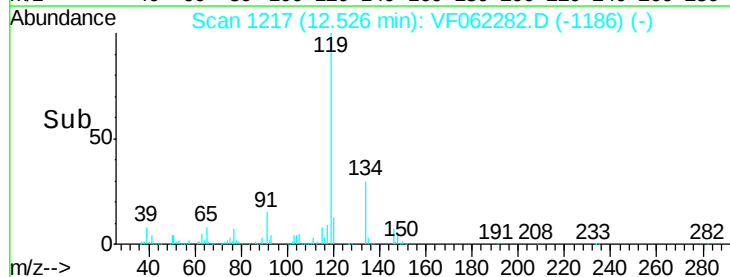
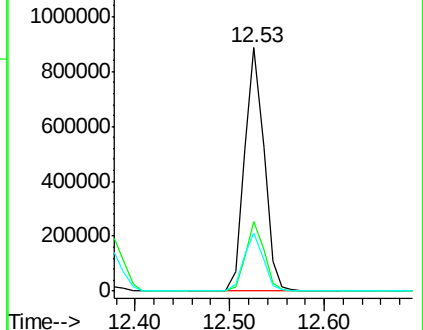
91 23.8 11.6 34.7

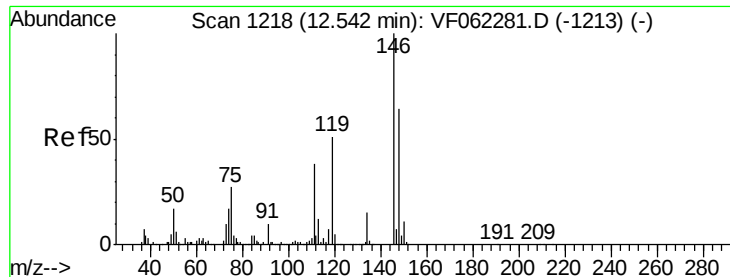


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





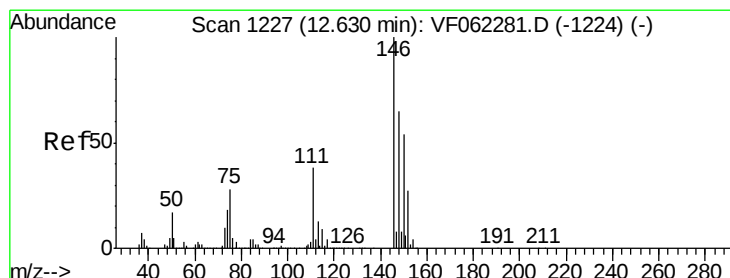
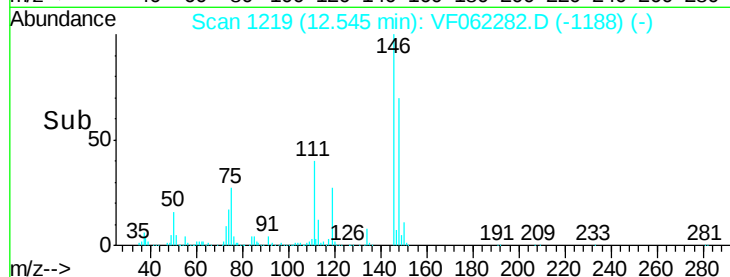
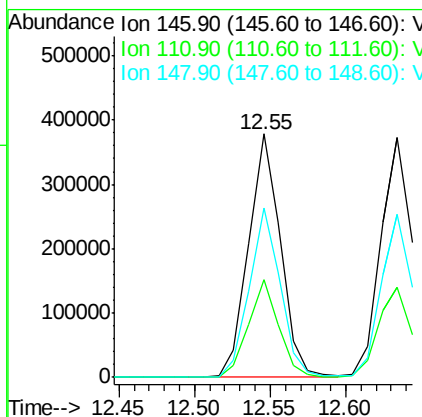
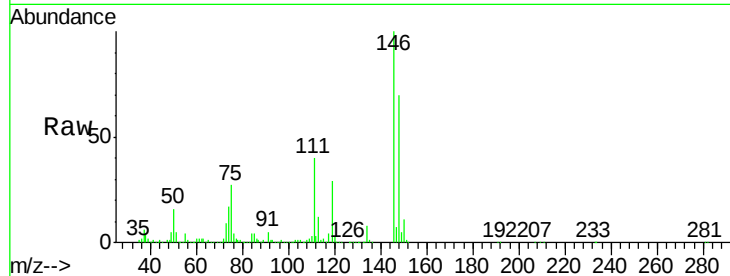
#87
 1,3-Dichlorobenzene
 Concen: 67.291 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	67.7	32.8	98.4

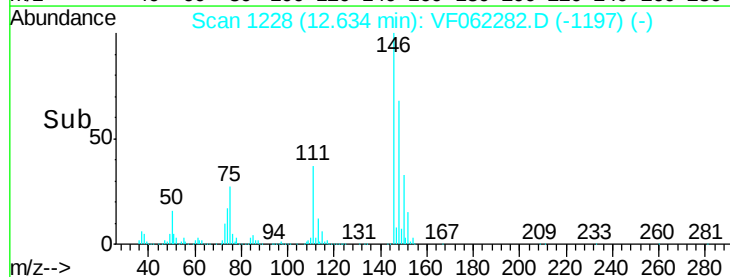
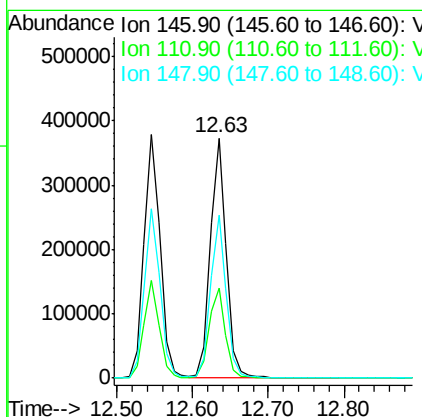
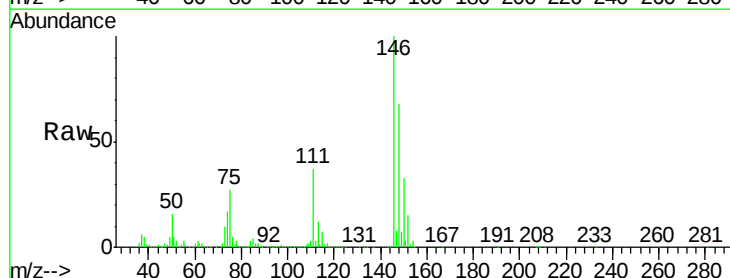
Manual Integrations
 APPROVED

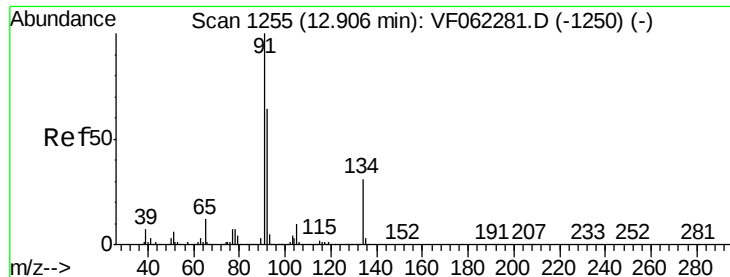
MMDadoda
 4/26/2019 9:21:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 71.376 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	56.0
148	67.0	32.5	97.5





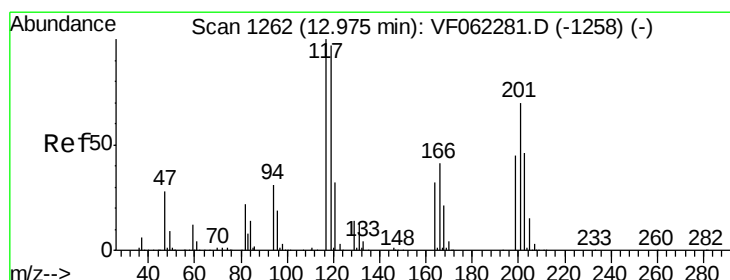
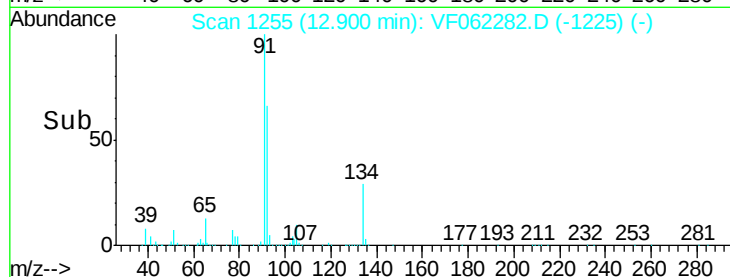
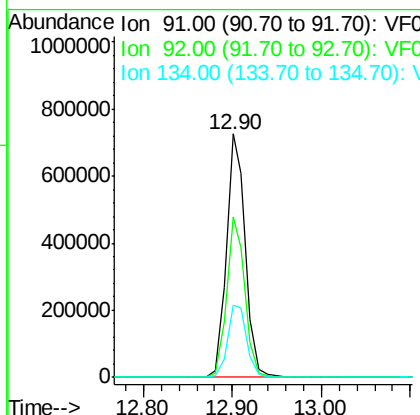
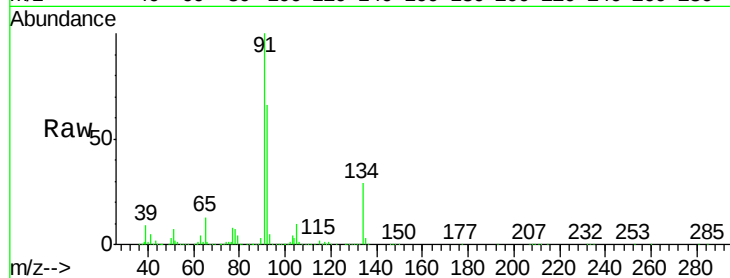
#89
n-Butylbenzene
Concen: 63.019 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.9	31.1	93.3
134	30.3	14.4	43.4

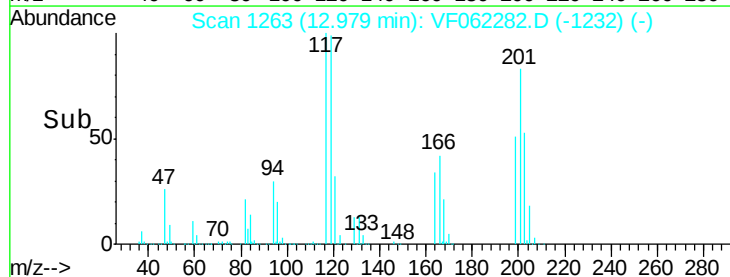
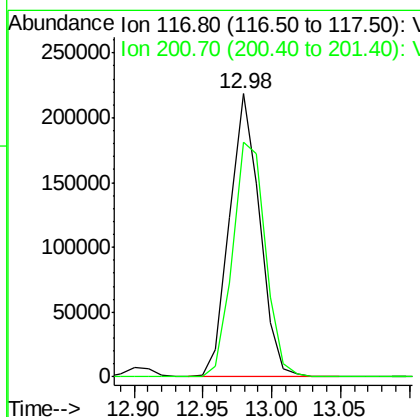
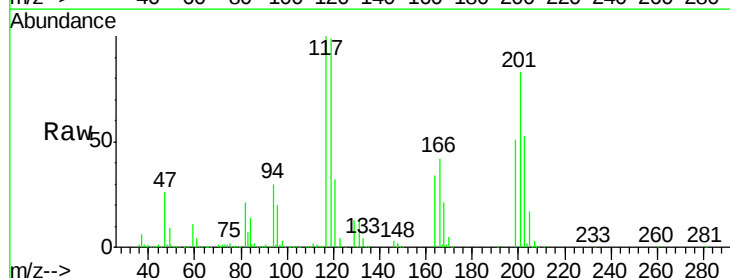
Manual Integrations
APPROVED

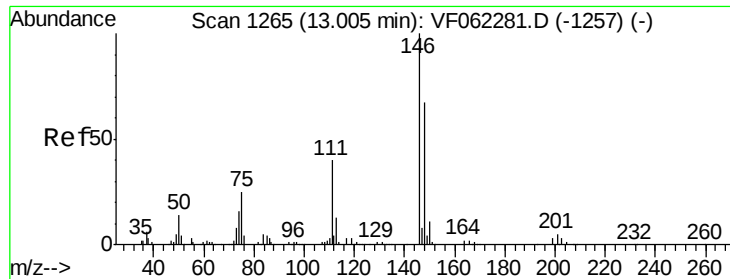
MMDadoda
4/26/2019 9:21:01 AM



#90
Hexachloroethane
Concen: 72.822 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VF062282.D
Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	42.9	128.5





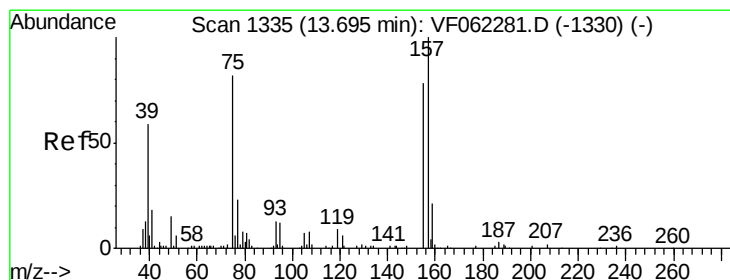
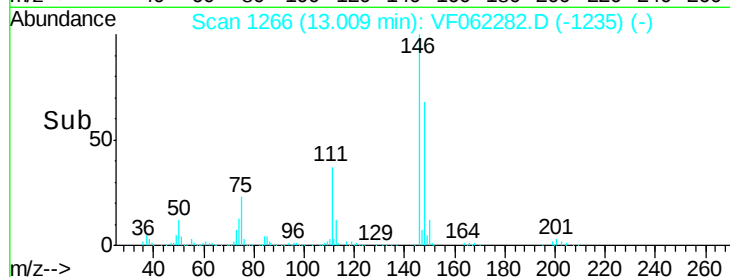
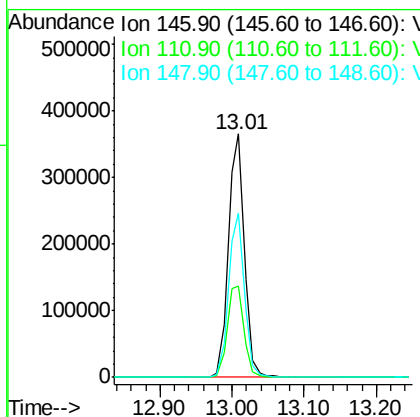
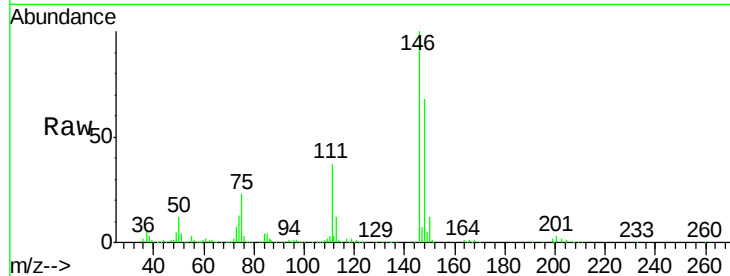
#91
 1,2-Dichlorobenzene
 Concen: 69.917 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
146	100	560483		
111	39.5	20.0	59.9	
148	66.7	33.1	99.5	

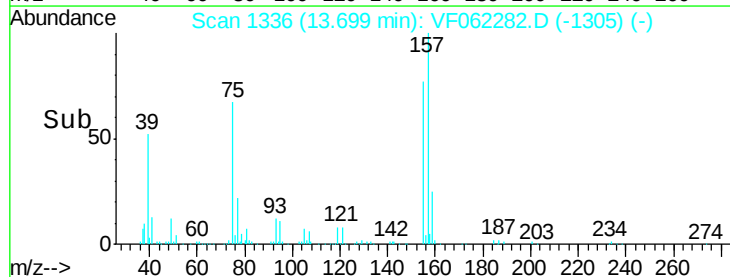
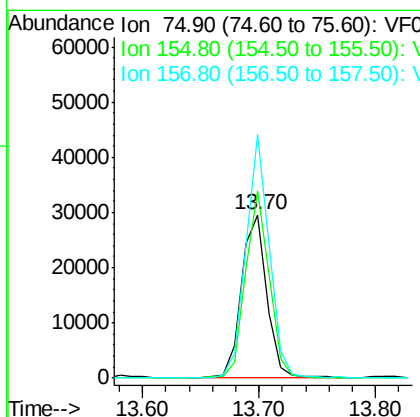
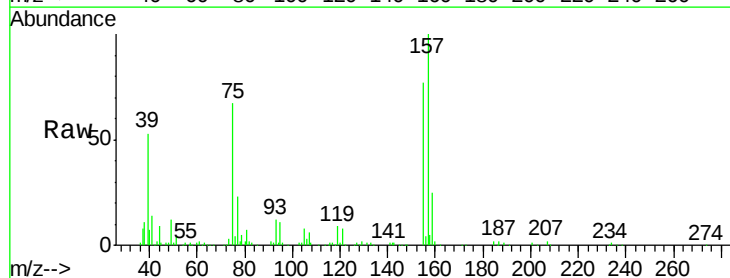
Manual Integrations
 APPROVED

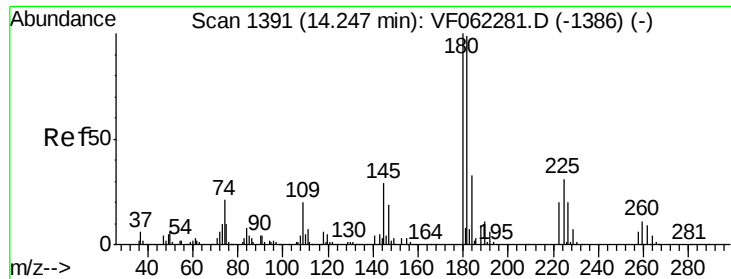
MMDadoda
 4/26/2019 9:21:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 77.389 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44701		
155	106.8	51.7	155.2	
157	137.3	64.5	193.5	





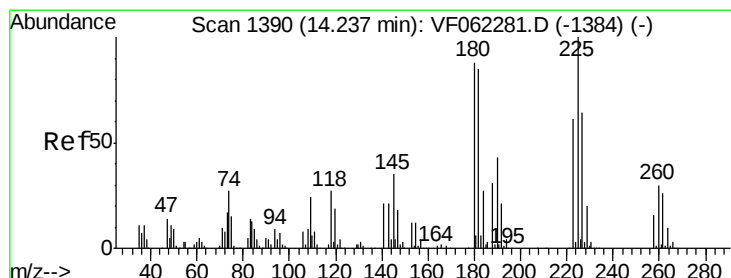
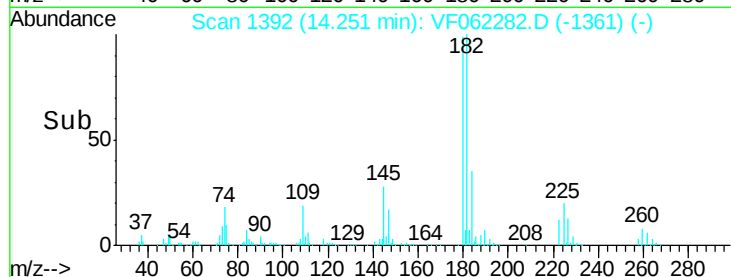
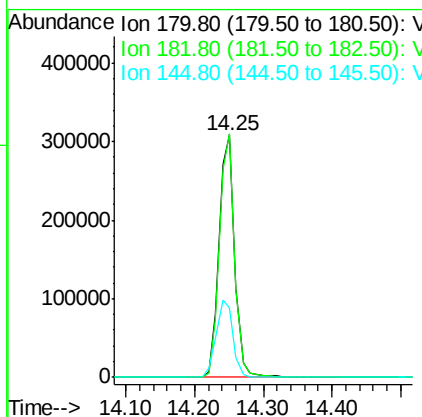
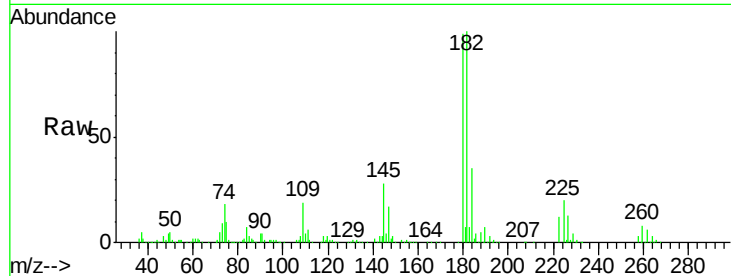
#93
 1,2,4-Trichlorobenzene
 Concen: 67.882 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	482135		
182	98.8	48.5	145.6	
145	34.5	16.7	50.1	

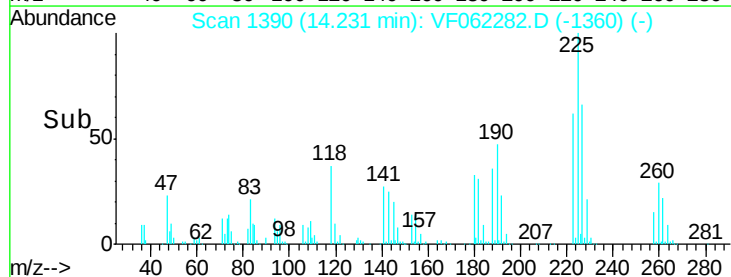
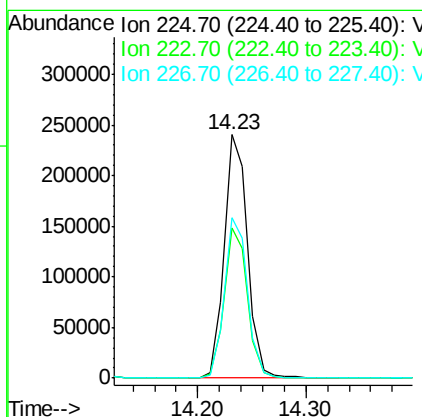
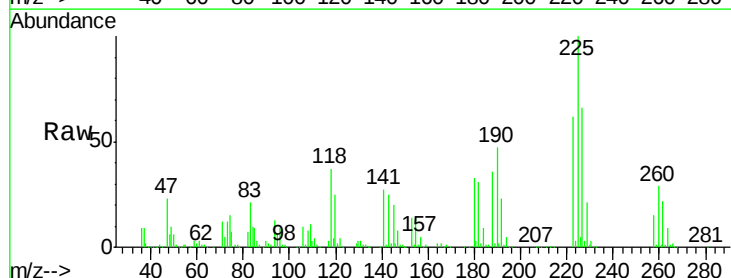
Manual Integrations
 APPROVED

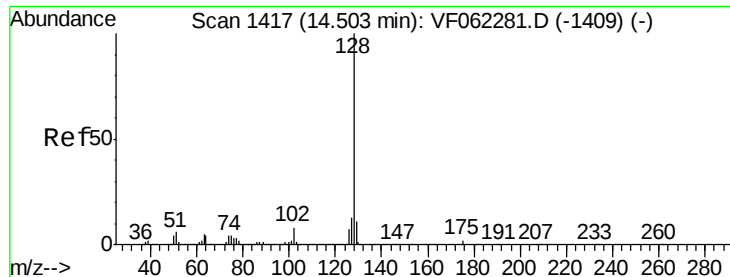
MMDadoda
 4/26/2019 9:21:01 AM



#94
 Hexachlorobutadiene
 Concen: 71.161 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062282.D
 Acq: 24 Apr 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	358740		
223	61.6	30.8	92.3	
227	65.6	31.9	95.5	





#95

Naphthalene

Concen: 74.788 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Instrument :

MSVOA_F

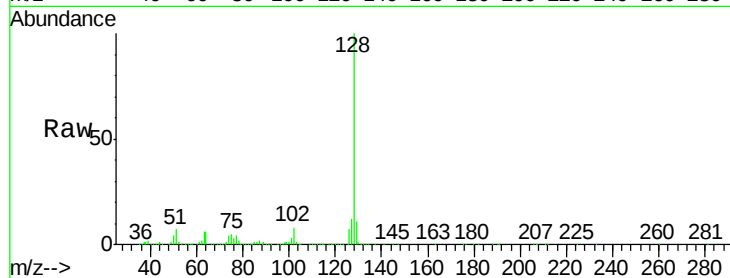
ClientSampleId :

VSTDIC075

Tot Ion:	128	Resp:	788718
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	11.1	8.9	13.3

Manual Integrations
APPROVED

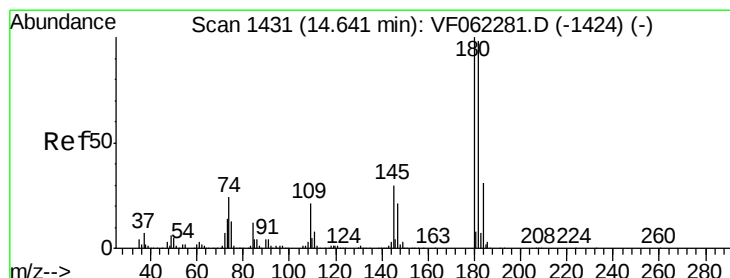
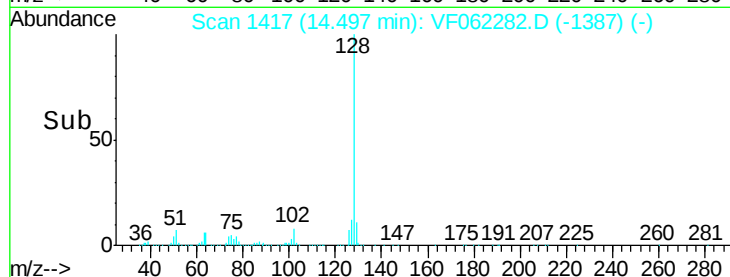
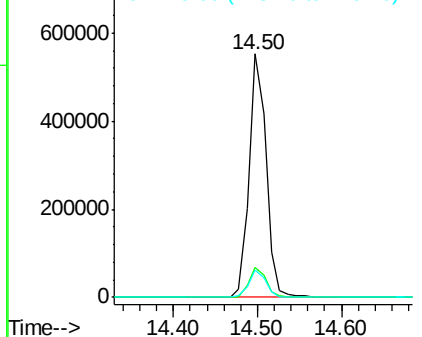
MMDadoda
4/26/2019 9:21:01 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 71.944 ug/l

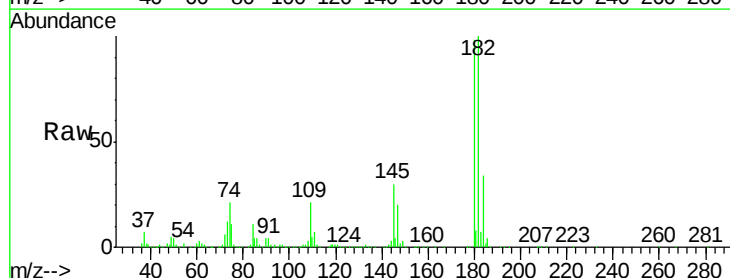
RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062282.D

Acq: 24 Apr 2019 15:40

Tgt Ion:	180	Resp:	470316
Ion Ratio	Lower	Upper	
180	100		
182	98.6	49.0	147.2
145	29.9	14.5	43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

