

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061536.D
 Acq On : 28 Jan 2019 12:44
 Operator : VA/AP
 Sample : VF0128SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:18:53 PM

Quant Time: Jan 29 04:24:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	207449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	375583	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	318528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	150862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	118493	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	4.10	113	144634	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	7.54	98	385477	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.40	95	165729	43.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	70038	17.183	ug/l	93
3) Chloromethane	1.10	50	61380	20.537	ug/l	98
4) Vinyl Chloride	1.14	62	53056	19.956	ug/l	96
5) Bromomethane	1.32	94	32426	18.704	ug/l	94
6) Chloroethane	1.39	64	24873	21.114	ug/l #	87
7) Trichlorofluoromethane	1.46	101	90107m	17.434	ug/l	
8) Diethyl Ether	1.63	74	13106	19.790	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.84	101	49095	19.769	ug/l	89
10) Methyl Iodide	1.91	142	76747m	19.934	ug/l	
11) Tert butyl alcohol	2.56	59	9939	91.678	ug/l	96
12) 1,1-Dichloroethene	1.80	96	37495m	20.322	ug/l	
13) Acrolein	1.99	56	8020	92.671	ug/l	85
14) Allyl chloride	2.09	41	56756	26.819	ug/l	93
15) Acrylonitrile	2.93	53	30118	108.456	ug/l	95
16) Acetone	2.23	43	63314	123.224	ug/l #	92
17) Carbon Disulfide	1.82	76	111806m	19.434	ug/l	
18) Methyl Acetate	2.34	43	21450	21.051	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	76403	18.472	ug/l	95
20) Methylene Chloride	2.17	84	40862m	22.460	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	40849	20.123	ug/l	96
22) Diisopropyl ether	2.79	45	138628	21.113	ug/l	93
23) Vinyl Acetate	3.18	43	323978	113.941	ug/l	100
24) 1,1-Dichloroethane	2.86	63	79502	19.292	ug/l	98
25) 2-Butanone	4.32	43	98856	115.696	ug/l	100
26) 2,2-Dichloropropane	3.58	77	46991	18.560	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	58159	19.409	ug/l	96
28) Bromochloromethane	3.71	49	36960	19.953	ug/l #	90
29) Tetrahydrofuran	4.07	42	38797	105.450	ug/l	97
30) Chloroform	3.85	83	111128	19.982	ug/l	98
31) Cyclohexane	3.67	56	83183m	20.208	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	73358	17.989	ug/l	95
36) 1,1-Dichloropropene	4.26	75	82712	18.994	ug/l	98
37) Ethyl Acetate	4.10	43	38676	22.218	ug/l #	80
38) Carbon Tetrachloride	3.98	117	62756	16.484	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061536.D
 Acq On : 28 Jan 2019 12:44
 Operator : VA/AP
 Sample : VF0128SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:18:53 PM

Quant Time: Jan 29 04:24:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	88349	18.721	ug/l	96
40) Benzene	4.62	78	194502	20.073	ug/l	99
41) Methacrylonitrile	4.74	41	19271	20.806	ug/l #	94
42) 1,2-Dichloroethane	4.93	62	56570	16.383	ug/l	98
43) Isopropyl Acetate	6.95	43	41930	19.192	ug/l #	91
44) Trichloroethene	5.50	130	61383	20.650	ug/l	98
45) 1,2-Dichloropropane	6.23	63	49330	19.397	ug/l	98
46) Dibromomethane	6.08	93	30119	17.811	ug/l	94
47) Bromodichloromethane	6.37	83	77059	18.418	ug/l	98
48) Methyl methacrylate	6.71	41	27119	18.485	ug/l	96
49) 1,4-Dioxane	6.70	88	4350	381.877	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	158555	98.720	ug/l	96
52) Toluene	7.62	92	115845	18.154	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	62764	18.892	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	77605	18.687	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	35185	19.417	ug/l	95
56) Ethyl methacrylate	8.61	69	35045	16.623	ug/l	94
57) 1,3-Dichloropropane	8.84	76	58618	17.258	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	28961	144.101	ug/l	99
59) 2-Hexanone	9.48	43	117912	105.281	ug/l	99
60) Dibromochloromethane	8.71	129	46509	17.556	ug/l	98
61) 1,2-Dibromoethane	8.98	107	35559	17.141	ug/l	98
64) Tetrachloroethene	8.14	164	45356	18.935	ug/l	97
65) Chlorobenzene	9.79	112	126262	19.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	50786	19.681	ug/l	99
67) Ethyl Benzene	9.89	91	228672	19.322	ug/l	100
68) m/p-Xylenes	10.12	106	171800	40.361	ug/l	99
69) o-Xylene	10.70	106	100559	21.798	ug/l	89
70) Styrene	10.78	104	129221	20.463	ug/l	97
71) Bromoform	10.76	173	25131	21.676	ug/l	98
73) Isopropylbenzene	11.12	105	284792	23.211	ug/l	96
74) N-amyl acetate	11.36	43	72953	25.144	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	47369	21.671	ug/l	88
76) 1,2,3-Trichloropropane	11.79	75	32655	20.791	ug/l	94
77) Bromobenzene	11.48	156	54985	21.219	ug/l	86
78) n-propylbenzene	11.59	91	331220	20.745	ug/l	98
79) 2-Chlorotoluene	11.71	91	181374	21.305	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	219882	22.206	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	13885m	20.336	ug/l	
82) 4-Chlorotoluene	11.89	91	183880	21.404	ug/l	98
83) tert-Butylbenzene	12.12	119	229389	22.382	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	225498	22.109	ug/l	94
85) sec-Butylbenzene	12.30	105	318728	22.900	ug/l	98
86) p-Isopropyltoluene	12.45	119	261527	22.890	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	111282	20.450	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	103385	21.113	ug/l	97
89) n-Butylbenzene	12.83	91	271304	23.025	ug/l	96
90) Hexachloroethane	12.91	117	62786	23.313	ug/l	100
91) 1,2-Dichlorobenzene	12.93	146	102042	21.051	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8066	20.805	ug/l	70

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012819\
Data File : VF061536.D
Acq On : 28 Jan 2019 12:44
Operator : VA/AP
Sample : VF0128SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM

Quant Time: Jan 29 04:24:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	70150	20.658	ug/l	98
94) Hexachlorobutadiene	14.19	225	43660	20.720	ug/l	97
95) Naphthalene	14.45	128	124883	19.357	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	60959	19.392	ug/l	100

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

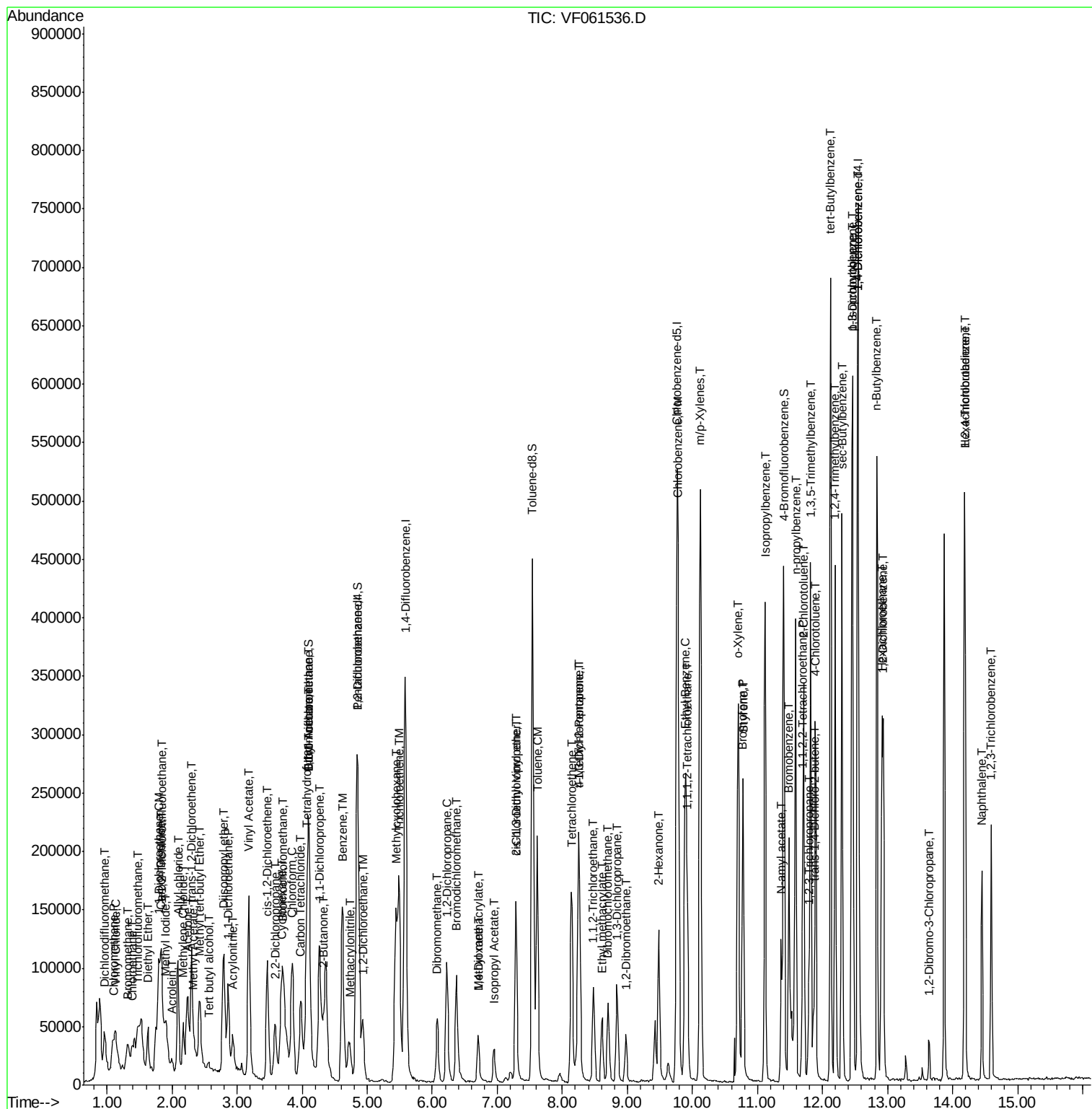
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061536.D
 Acq On : 28 Jan 2019 12:44
 Operator : VA/AP
 Sample : VF0128SBS01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

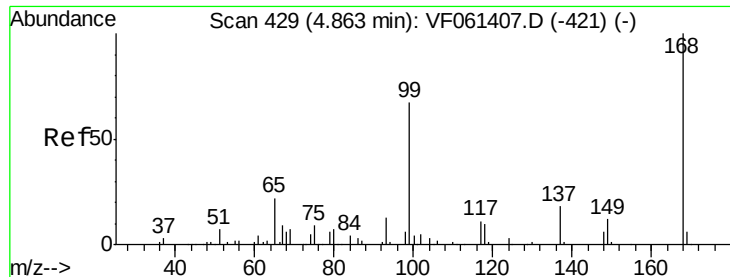
Instrument :
 MSVOA_F
 Client Sample Id :
 VF0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:18:53 PM

Quant Time: Jan 29 04:24:57 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion:168 Resp: 207449

Ion Ratio Lower Upper

168 100

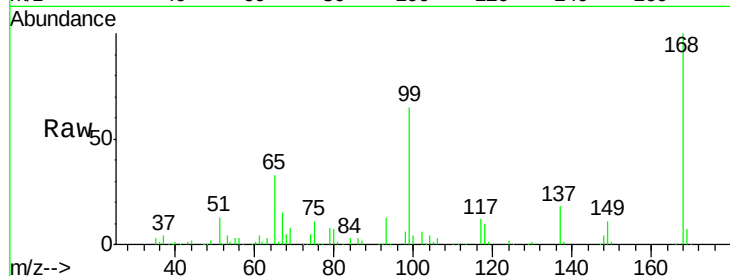
99 65.3 53.5 80.3

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

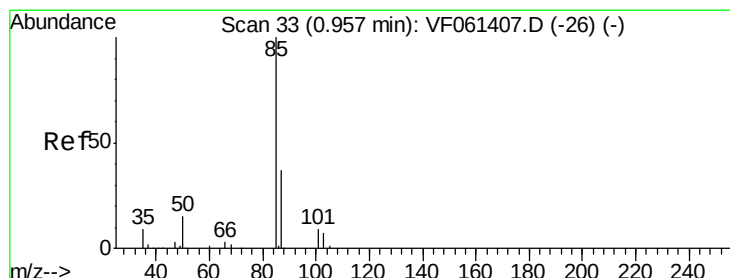
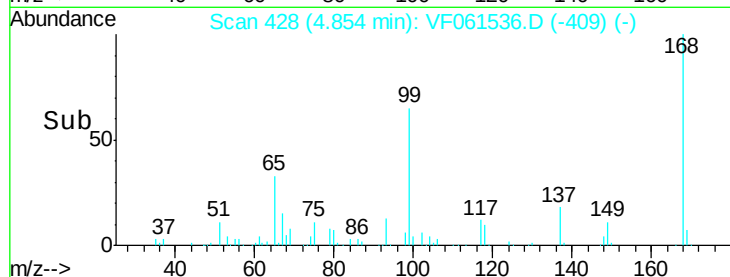
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.183 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061536.D

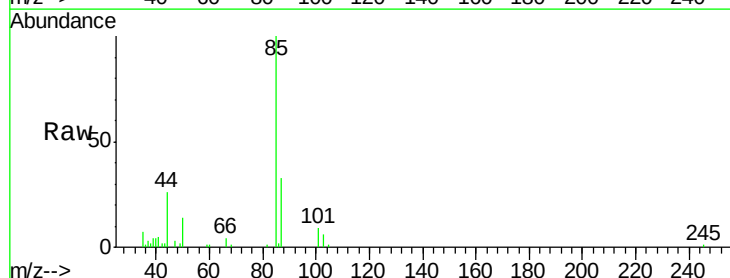
Acq: 28 Jan 2019 12:44

Tgt Ion: 85 Resp: 70038

Ion Ratio Lower Upper

85 100

87 32.7 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

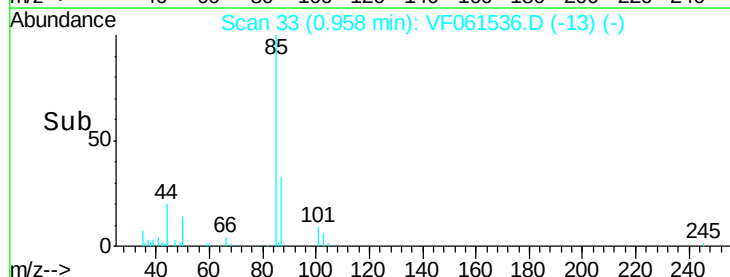
15000

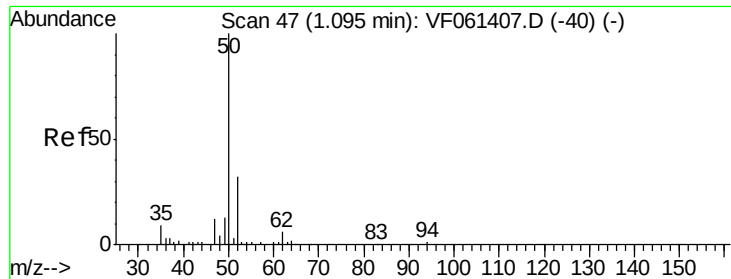
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.537 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 50 Resp: 61380

Ion Ratio Lower Upper

50 100

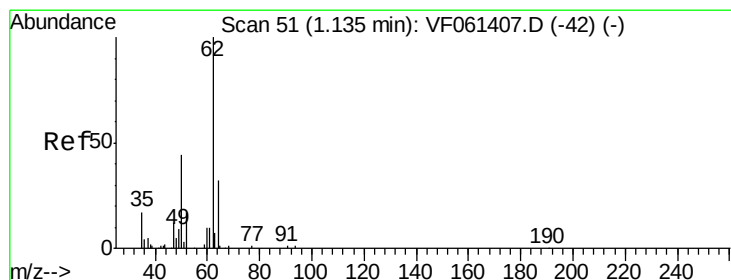
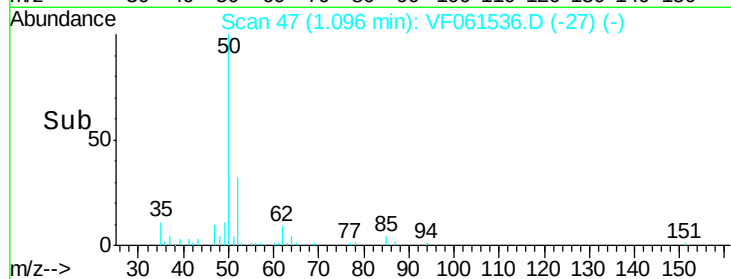
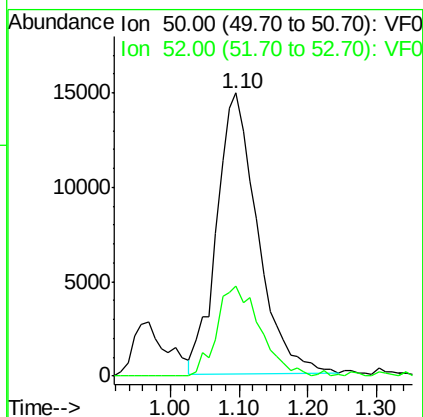
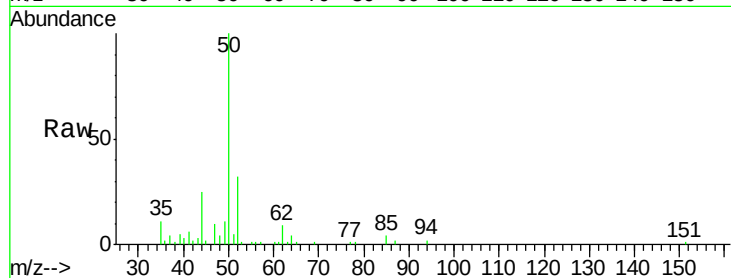
52 31.6 24.6 36.8

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#4

Vinyl Chloride

Concen: 19.956 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061536.D

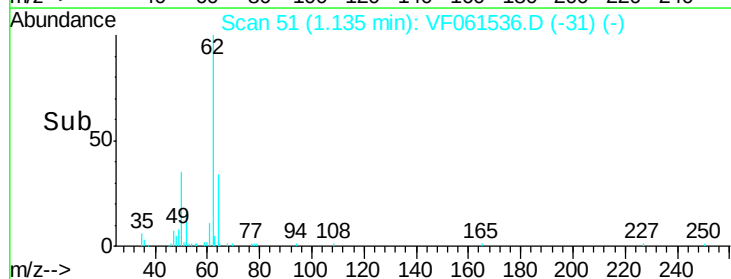
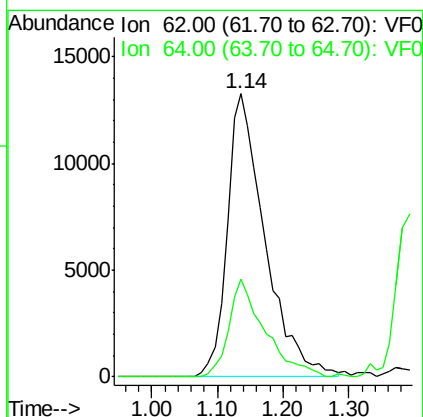
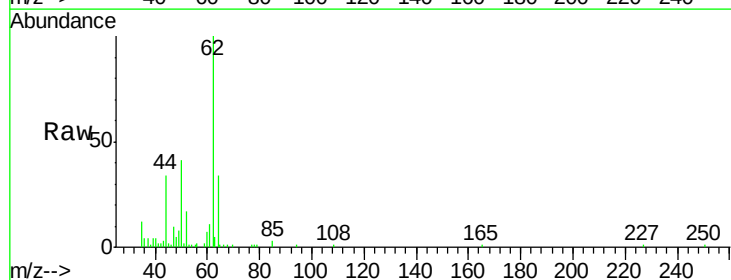
Acq: 28 Jan 2019 12:44

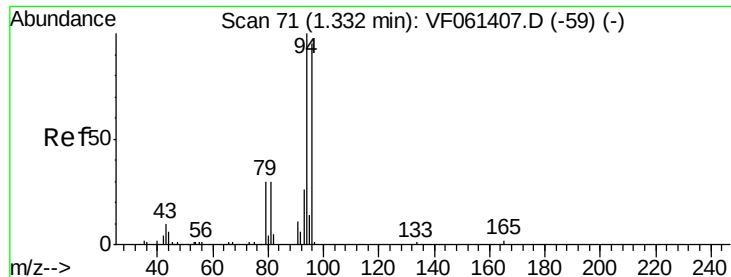
Tgt Ion: 62 Resp: 53056

Ion Ratio Lower Upper

62 100

64 34.3 25.6 38.4





#5

Bromomethane

Concen: 18.704 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 94 Resp: 32426

Ion Ratio Lower Upper

94 100

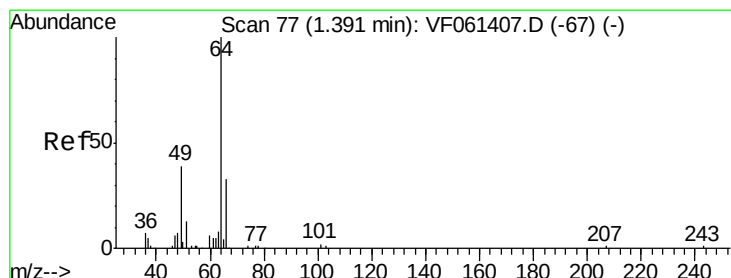
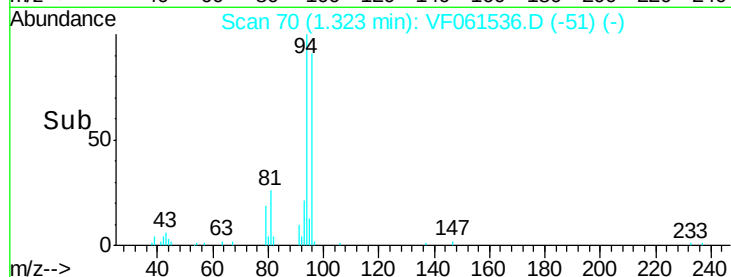
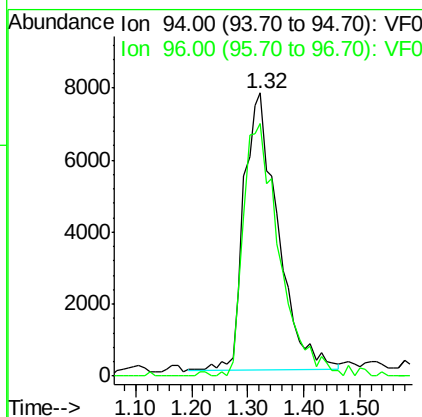
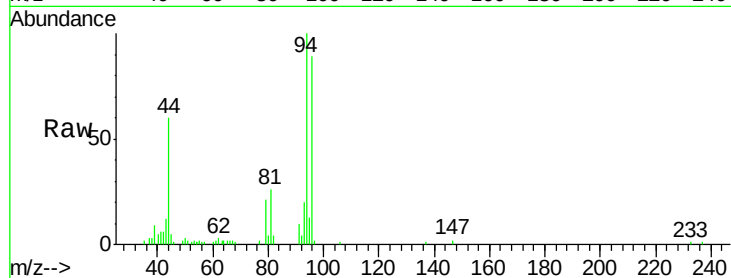
96 89.5 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#6

Chloroethane

Concen: 21.114 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061536.D

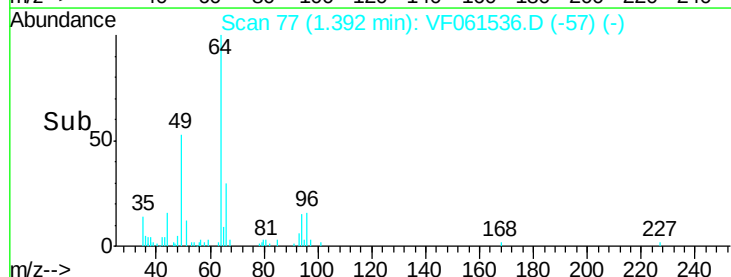
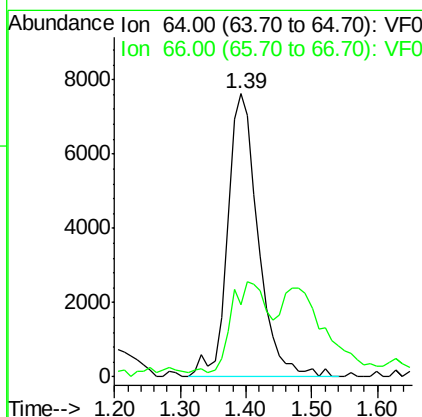
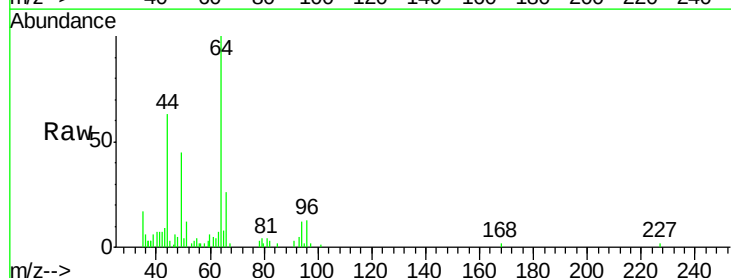
Acq: 28 Jan 2019 12:44

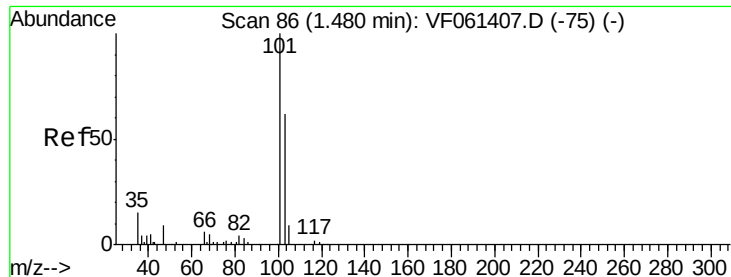
Tgt Ion: 64 Resp: 24873

Ion Ratio Lower Upper

64 100

66 25.7 26.6 40.0#





#7

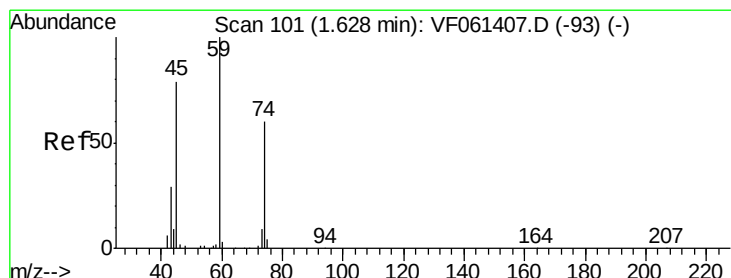
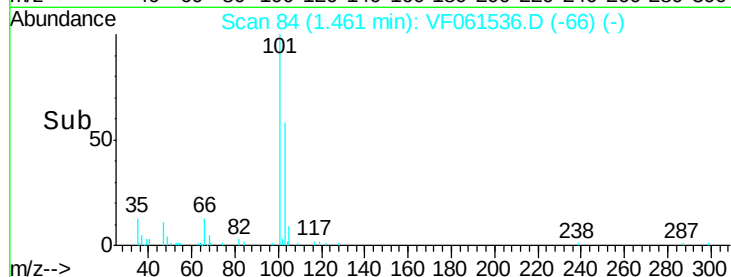
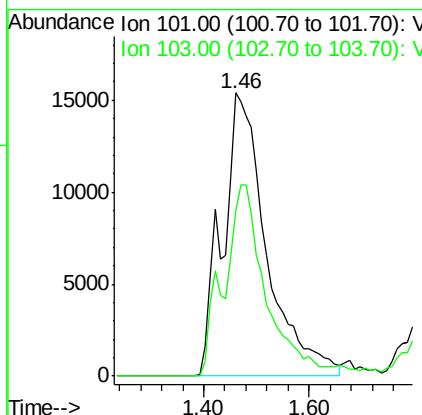
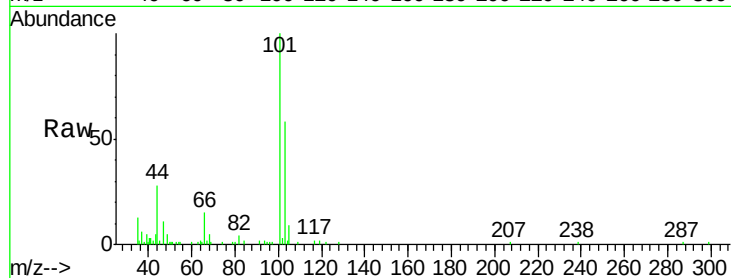
Trichlorofluoromethane
 Concen: 17.434 ug/l m
 RT: 1.46 min Scan# 84
 Delta R.T. -0.02 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.5	49.7	74.5

Manual Integrations
 APPROVED

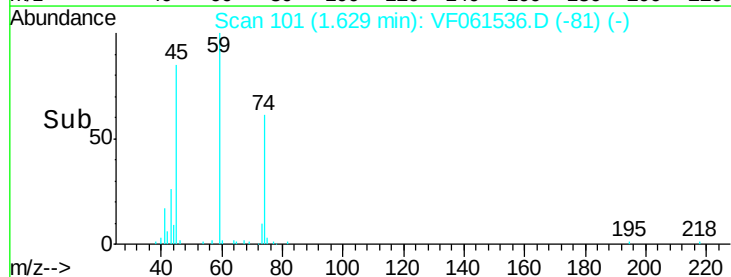
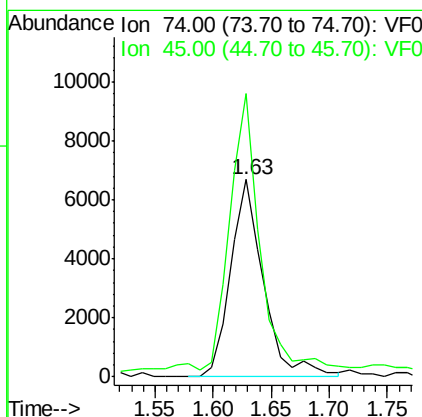
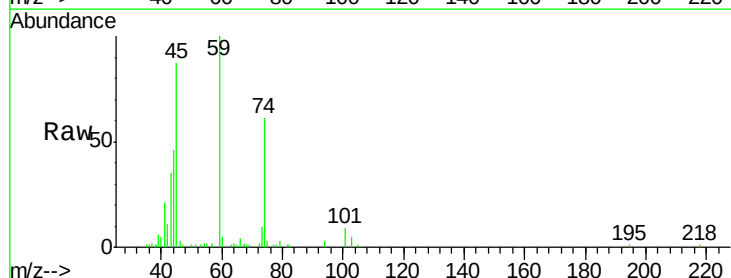
MMDadoda
 1/29/2019 12:18:53 PM

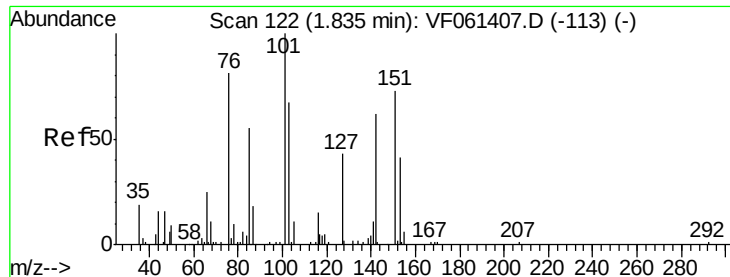


#8

Diethyl Ether
 Concen: 19.790 ug/l
 RT: 1.63 min Scan# 101
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	143.4	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.769 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

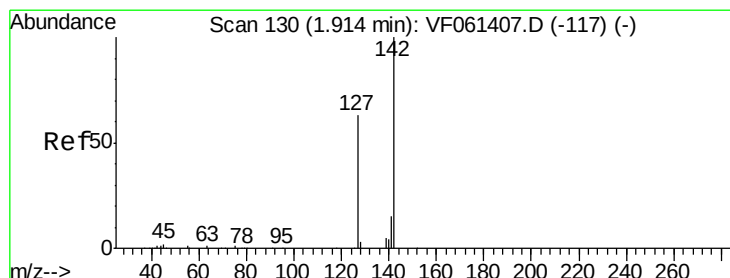
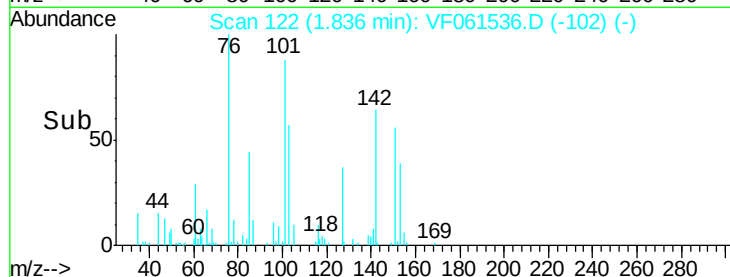
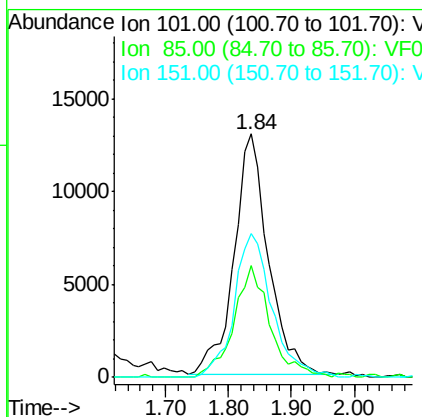
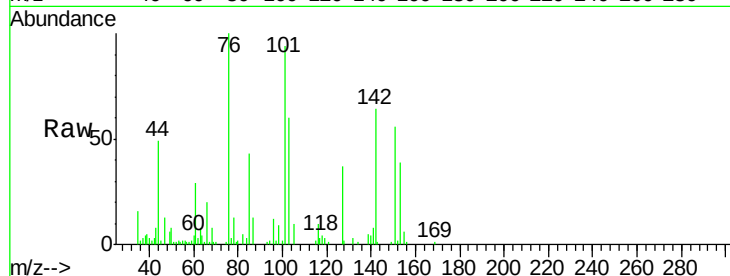
ClientSampleId :

VF0128SBS01

Tot Ion:	101	Resp:	49095
Ion Ratio	Lower	Upper	
101	100		
85	45.9	41.9	62.9
151	59.3	55.1	82.7

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM



#10

Methyl Iodide

Concen: 19.934 ug/l m

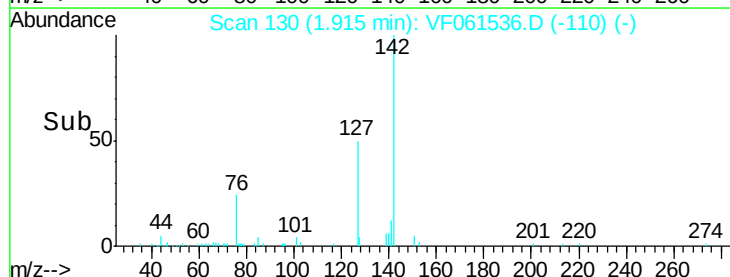
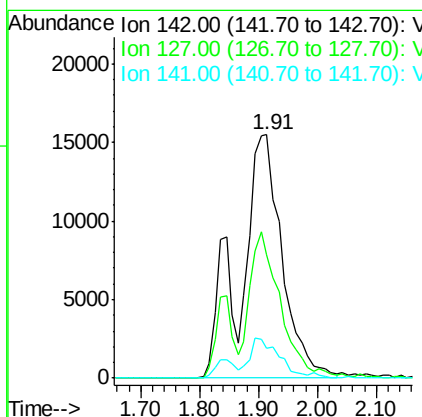
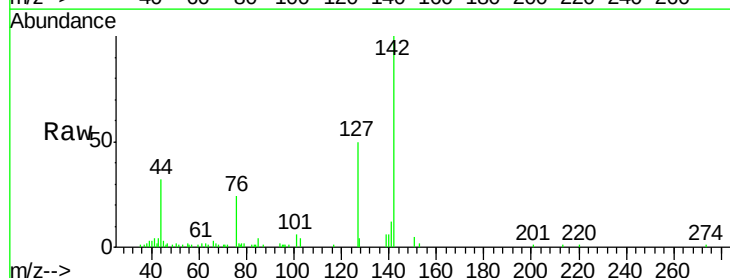
RT: 1.91 min Scan# 130

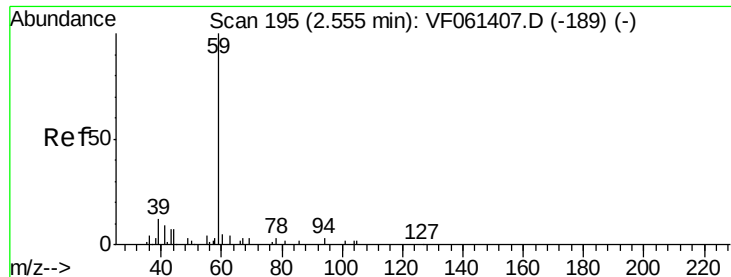
Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion:	142	Resp:	76747
Ion Ratio	Lower	Upper	
142	100		
127	50.4	50.7	76.1#
141	12.0	11.8	17.6





#11

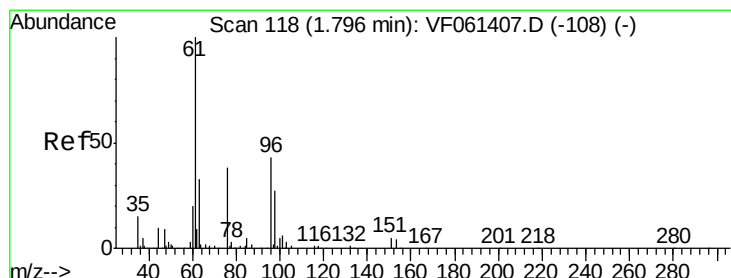
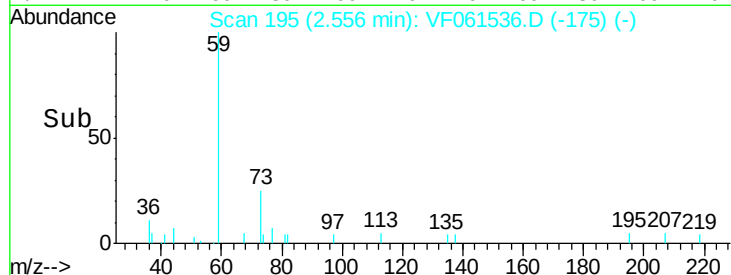
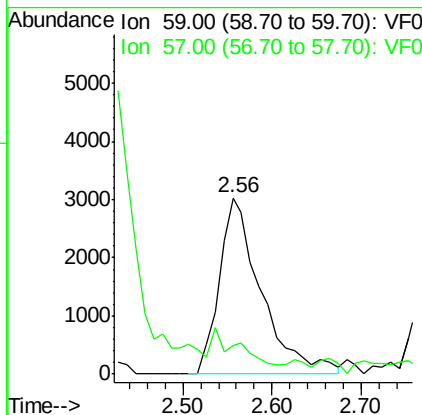
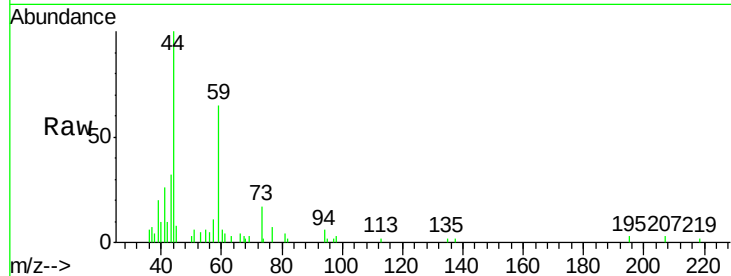
Tert butyl alcohol
Concen: 91.678 ug/l
RT: 2.56 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.6	11.9	17.9

Manual Integrations
APPROVED

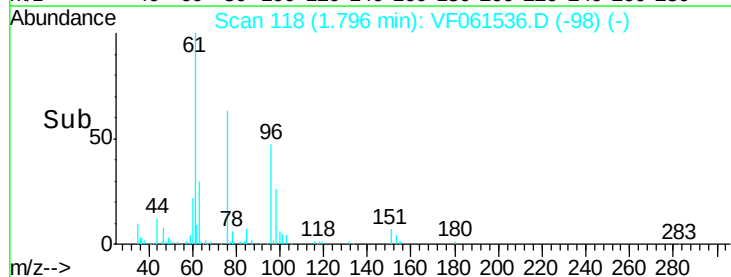
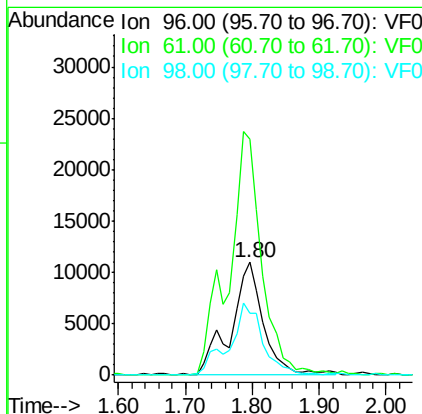
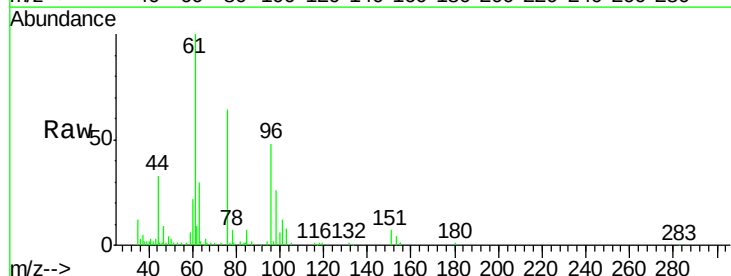
MMDadoda
1/29/2019 12:18:53 PM

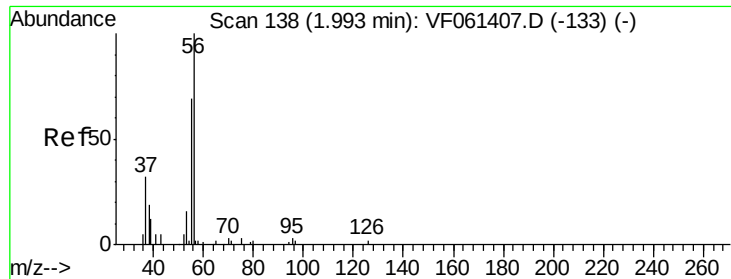


#12

1,1-Dichloroethene
Concen: 20.322 ug/l m
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	210.0	186.9	280.3
98	54.4	53.0	79.4





#13

Acrolein

Concen: 92.671 ug/l

RT: 1.99 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 56 Resp: 8020

Ion Ratio Lower Upper

56 100

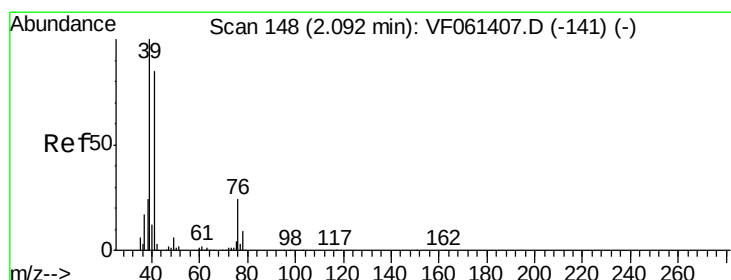
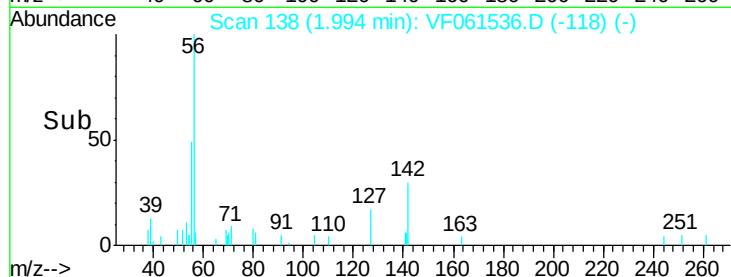
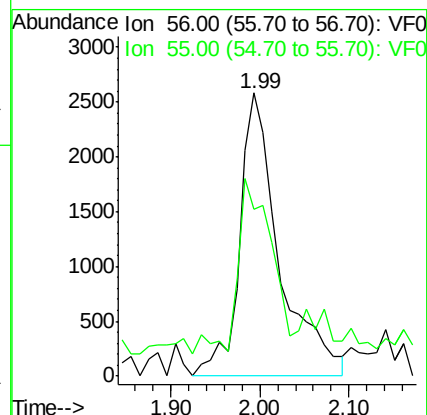
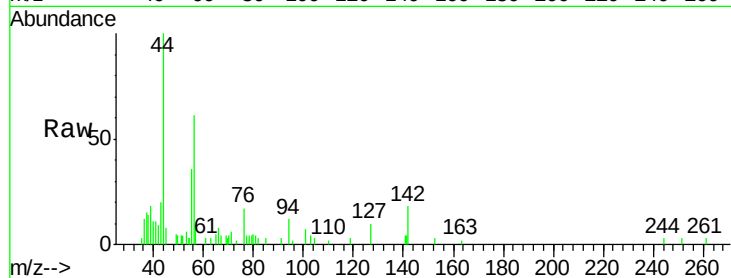
55 59.0 57.5 86.3

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#14

Allyl chloride

Concen: 26.819 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

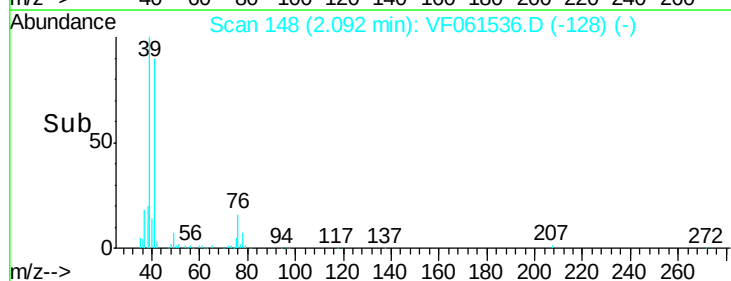
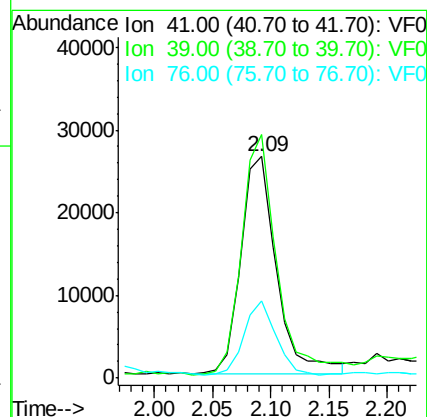
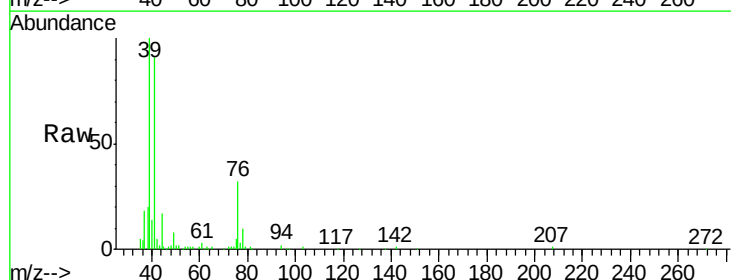
Tgt Ion: 41 Resp: 56756

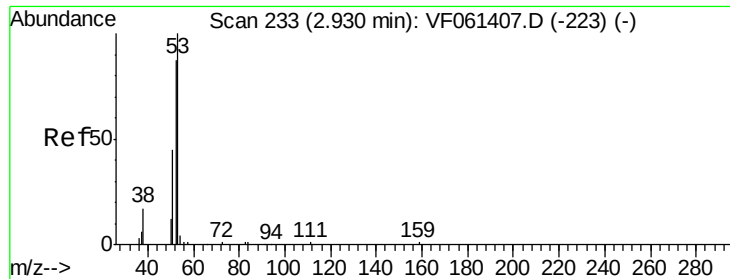
Ion Ratio Lower Upper

41 100

39 110.0 94.6 141.8

76 34.9 25.9 38.9





#15

Acrylonitrile

Concen: 108.456 ug/l

RT: 2.93 min Scan# 233

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

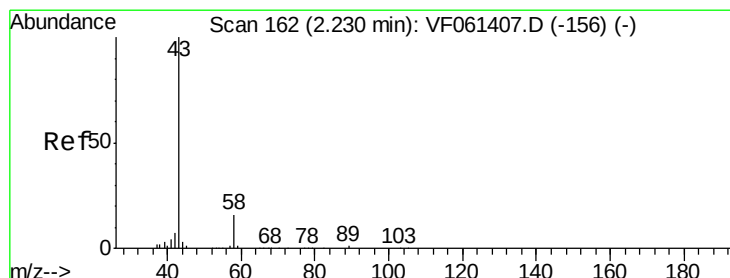
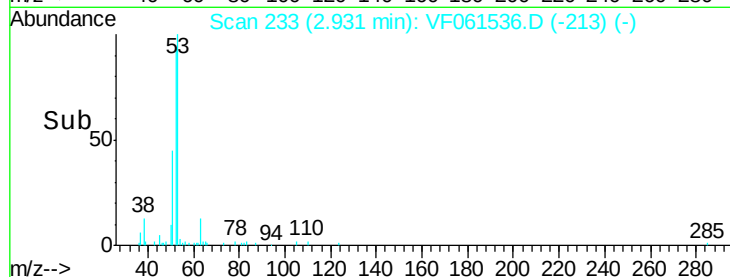
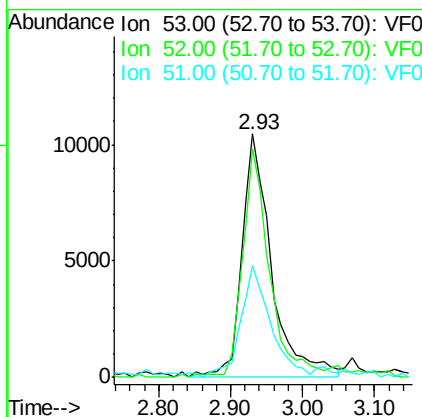
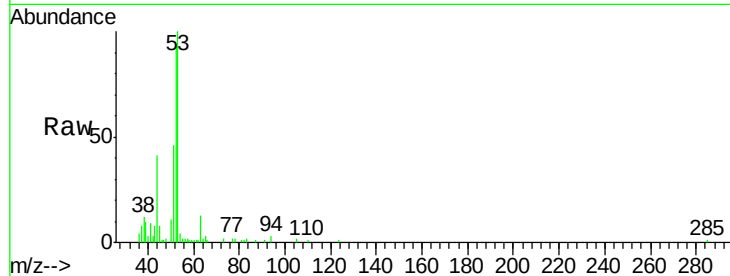
ClientSampleId :

VF0128SBS01

Tot Ion:	53	Resp:	30118
Ion	Ratio	Lower	Upper
53	100		
52	93.7	69.6	104.4
51	46.0	36.8	55.2

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM



#16

Acetone

Concen: 123.224 ug/l

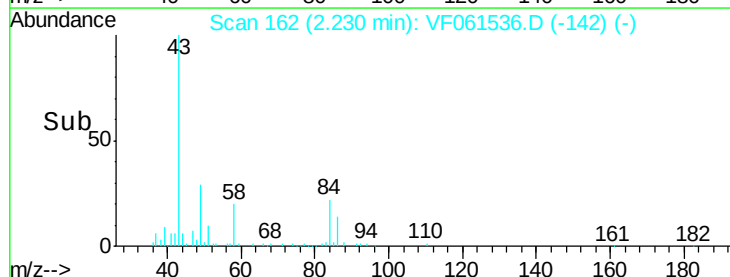
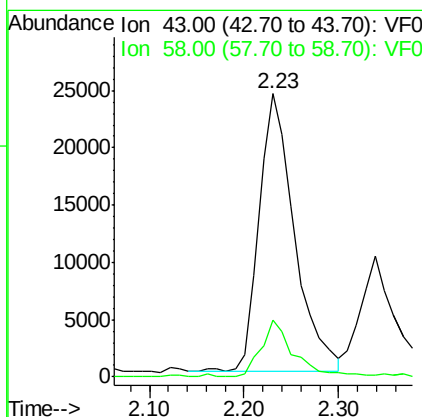
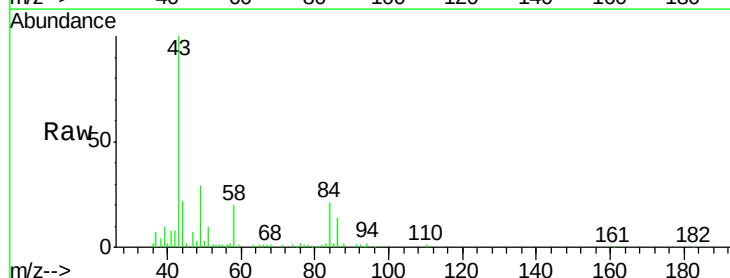
RT: 2.23 min Scan# 162

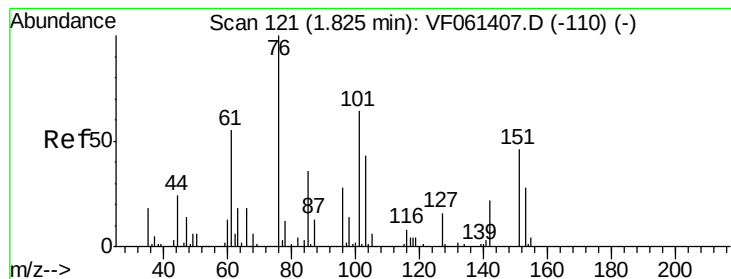
Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion:	43	Resp:	63314
Ion	Ratio	Lower	Upper
43	100		
58	20.0	13.3	19.9#





#17

Carbon Disulfide

Concen: 19.434 ug/l m

RT: 1.82 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tot Ion: 76 Resp: 111806

Ion Ratio Lower Upper

76 100

78 11.8 9.6 14.4

Instrument :

MSVOA_F

ClientSampleId :

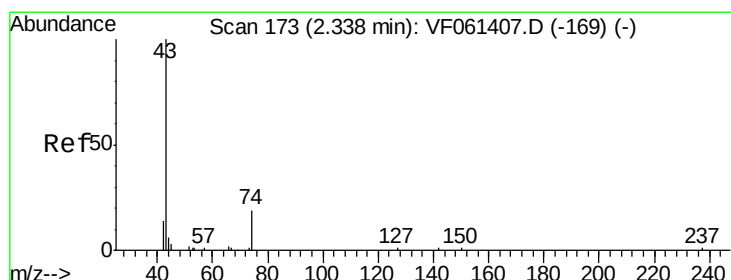
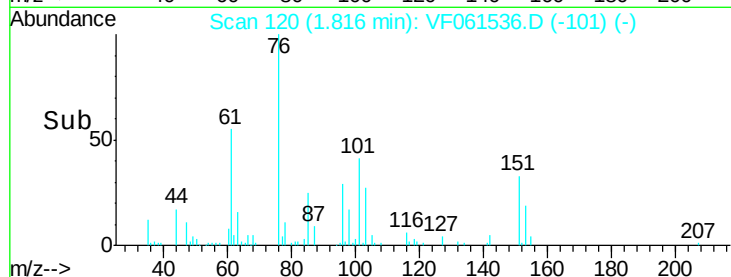
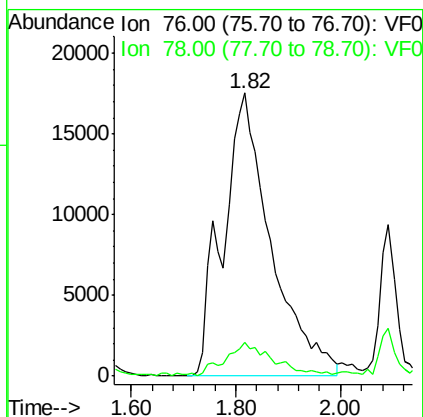
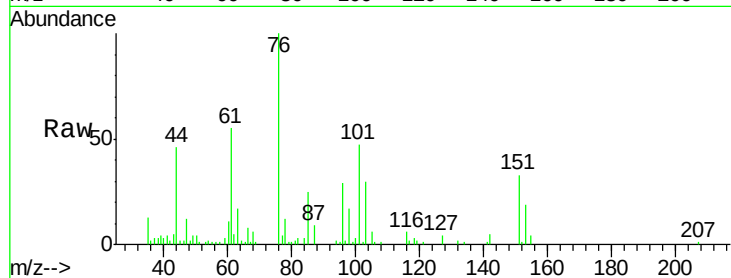
VF0128SBS01

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#18

Methyl Acetate

Concen: 21.051 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF061536.D

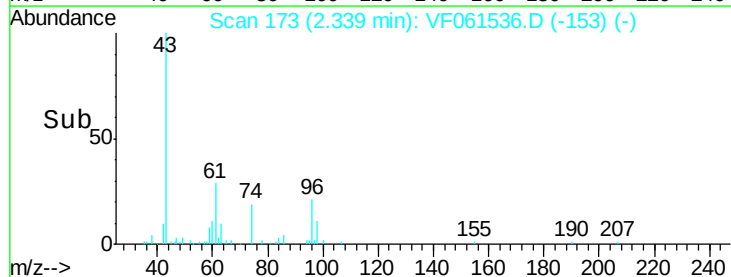
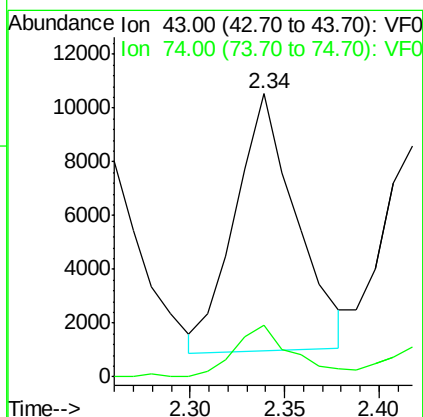
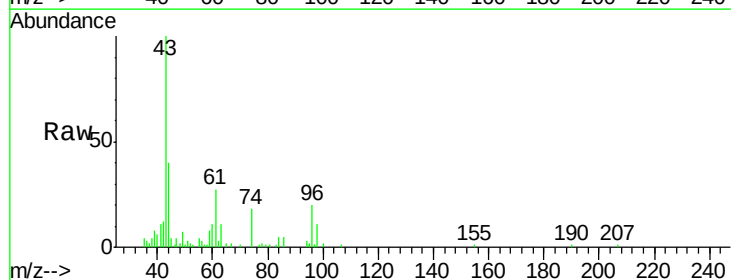
Acq: 28 Jan 2019 12:44

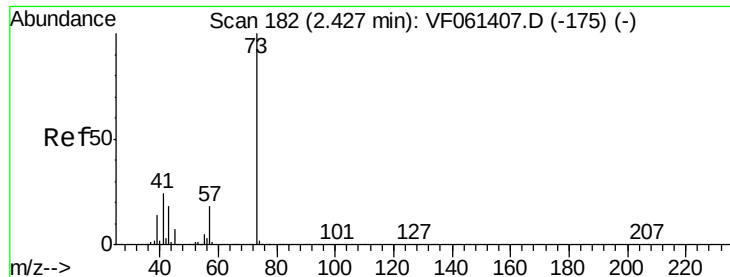
Tgt Ion: 43 Resp: 21450

Ion Ratio Lower Upper

43 100

74 18.5 13.4 20.0





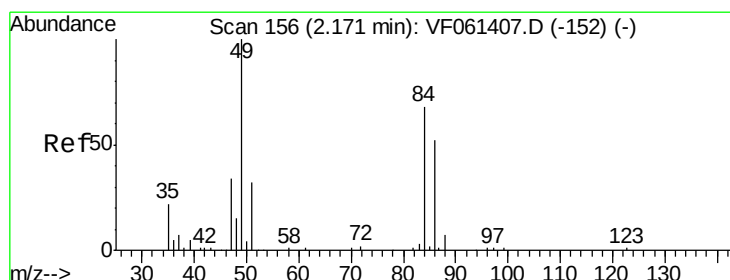
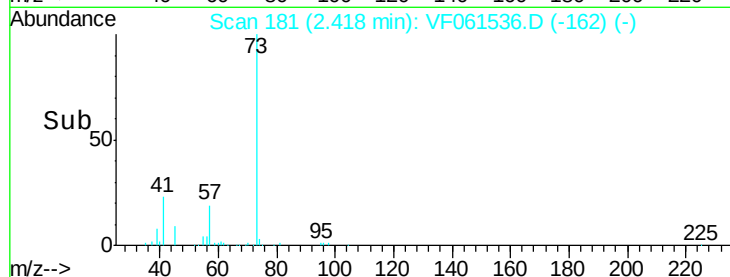
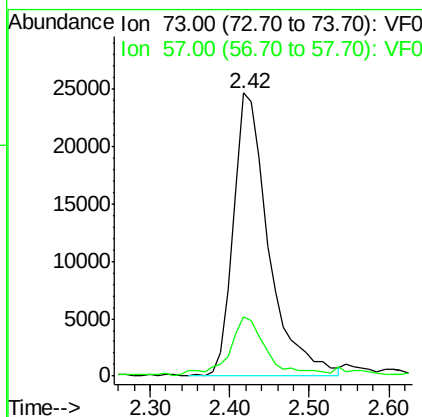
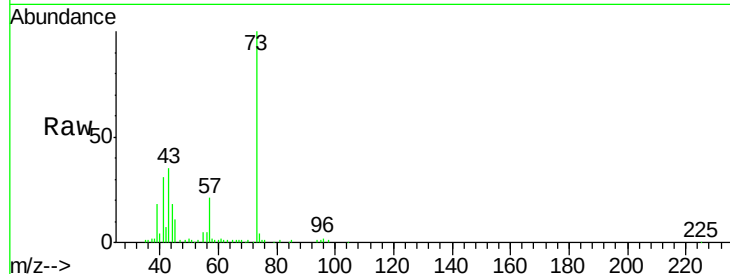
#19
Methyl tert-butyl Ether
Concen: 18.472 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion: 73 Resp: 76403
Ion Ratio Lower Upper
73 100
57 20.8 14.8 22.2

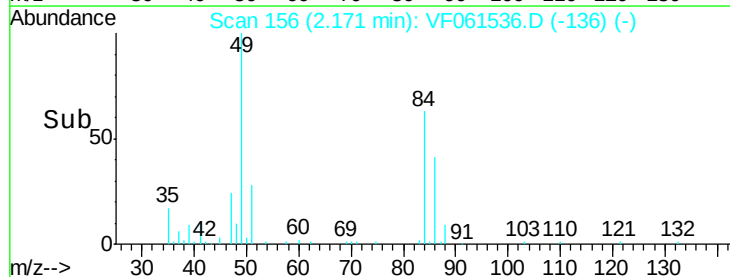
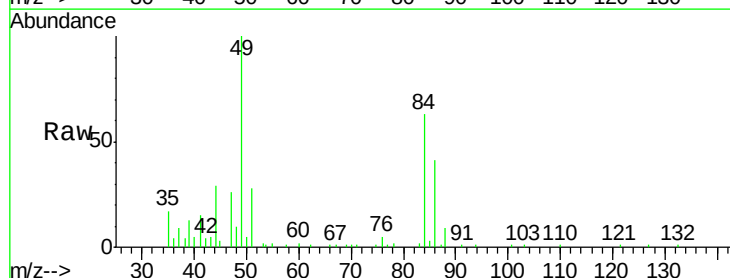
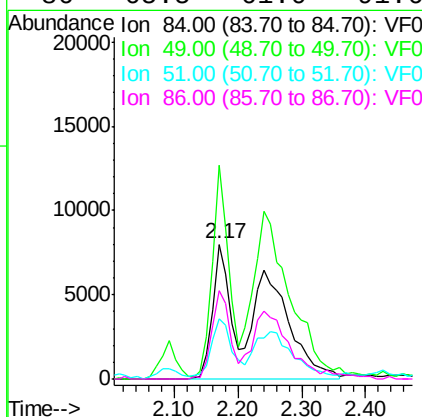
Manual Integrations
APPROVED

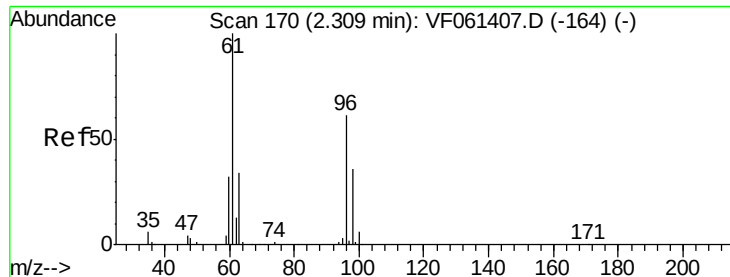
MMDadoda
1/29/2019 12:18:53 PM



#20
Methylene Chloride
Concen: 22.460 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion: 84 Resp: 40862
Ion Ratio Lower Upper
84 100
49 158.8 120.0 180.0
51 44.7 38.6 58.0
86 65.5 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 20.123 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

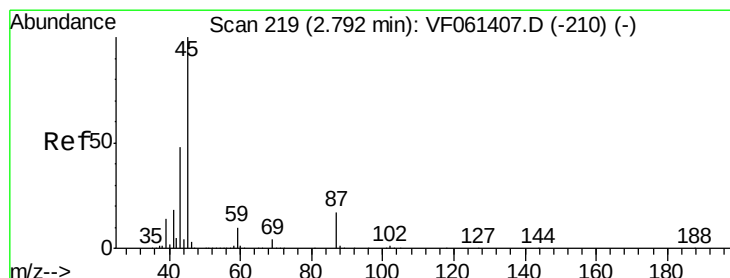
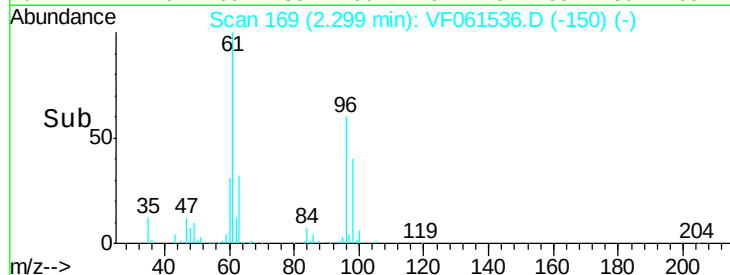
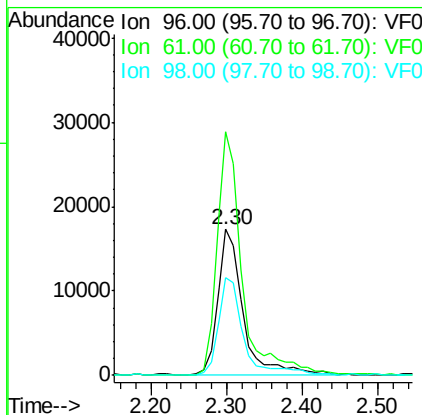
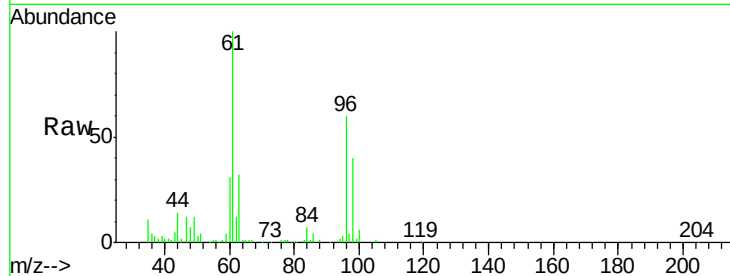
ClientSampleId :

VF0128SBS01

Tot Ion:	96	Resp:	40849
Ion	Ratio	Lower	Upper
96	100		
61	166.5	131.8	197.8
98	66.6	47.4	71.0

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM



#22

Diisopropyl ether

Concen: 21.113 ug/l

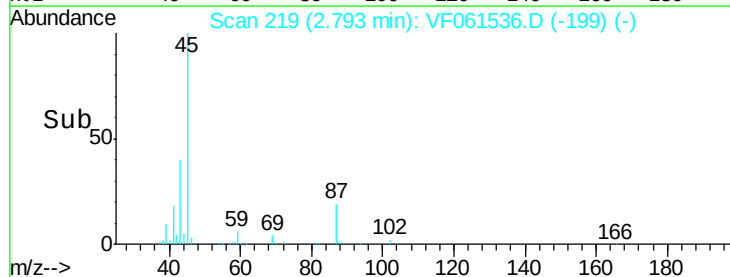
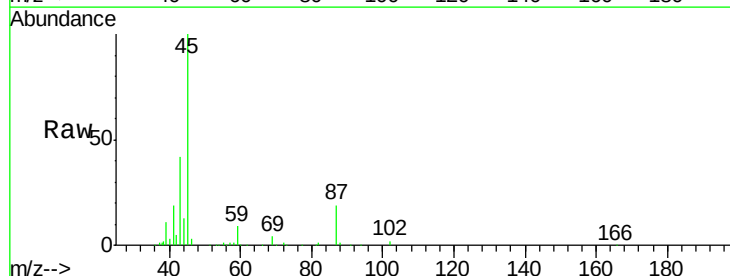
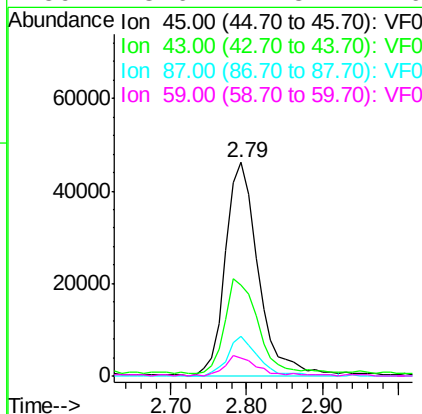
RT: 2.79 min Scan# 219

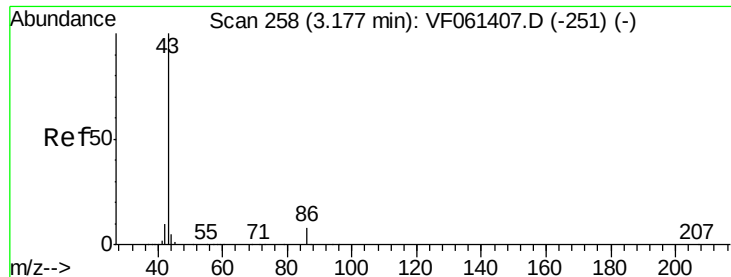
Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion:	45	Resp:	138628
Ion	Ratio	Lower	Upper
45	100		
43	42.5	39.0	58.6
87	18.6	13.9	20.9
59	8.6	7.8	11.6





#23

Vinyl Acetate

Concen: 113.941 ug/l

RT: 3.18 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 43 Resp: 323978

Ion Ratio Lower Upper

43 100

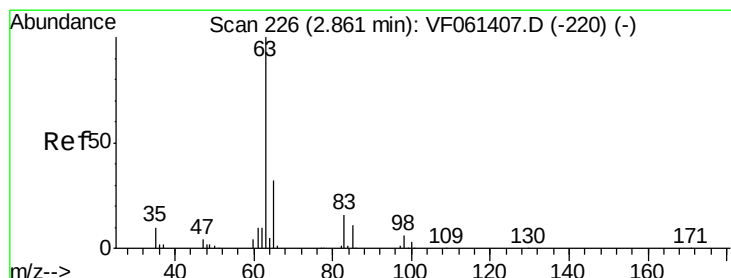
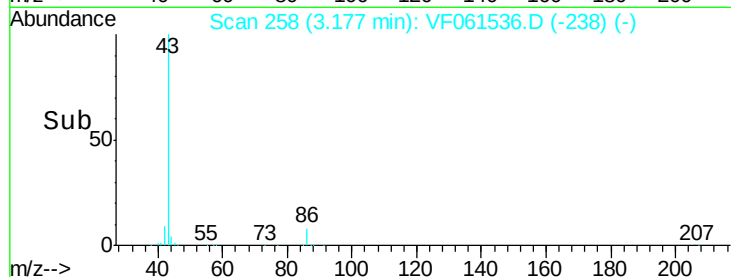
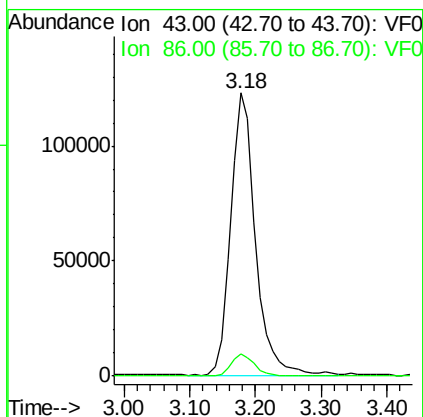
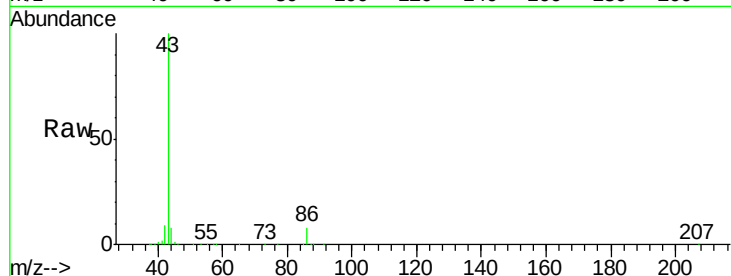
86 7.8 6.2 9.4

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#24

1,1-Dichloroethane

Concen: 19.292 ug/l

RT: 2.86 min Scan# 226

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

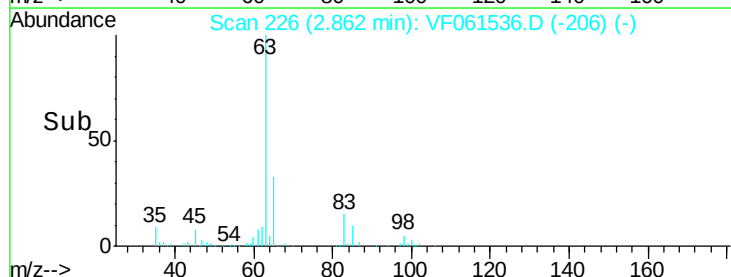
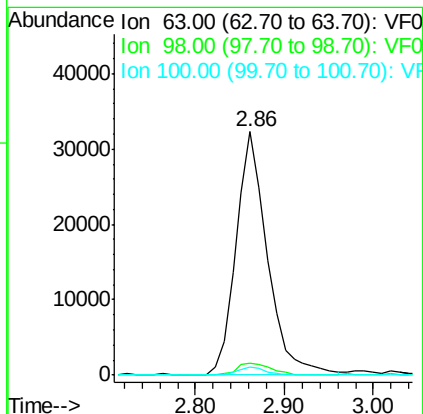
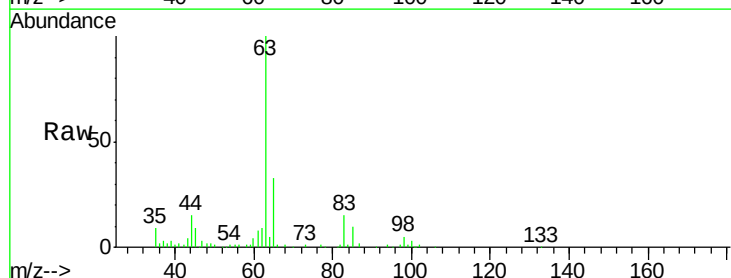
Tgt Ion: 63 Resp: 79502

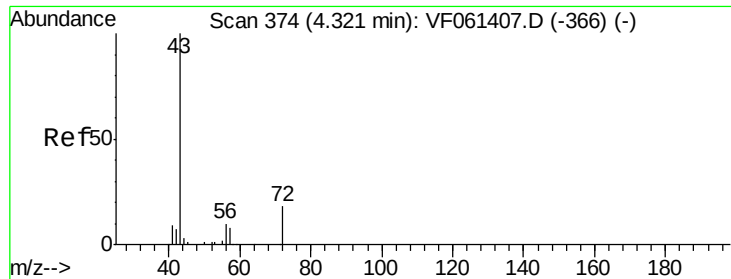
Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.8

100 3.2 1.6 4.8





#25

2-Butanone

Concen: 115.696 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 43 Resp: 98856

Ion Ratio Lower Upper

43 100

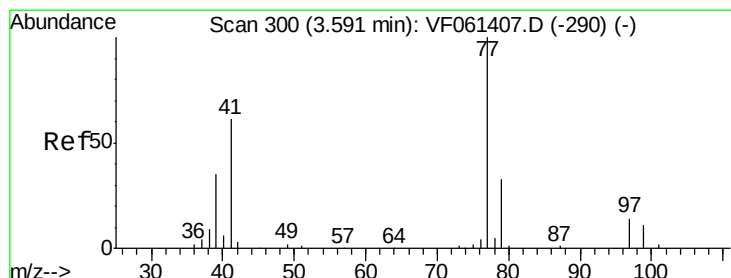
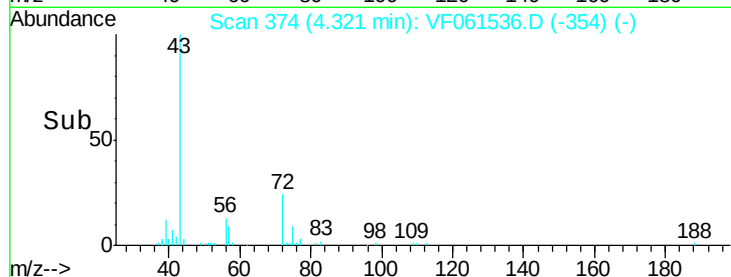
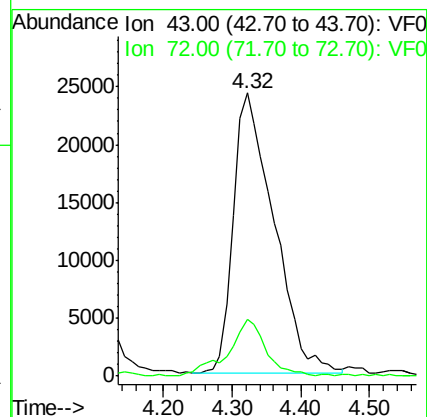
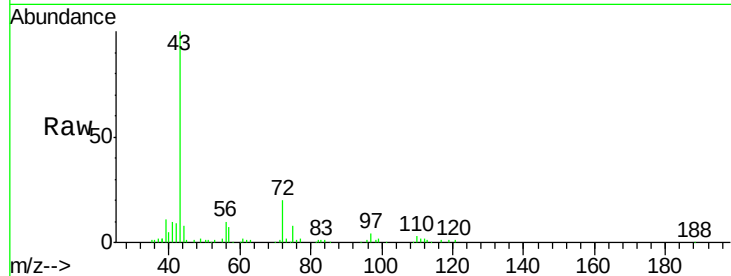
72 19.9 15.8 23.6

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#26

2,2-Dichloropropane

Concen: 18.560 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061536.D

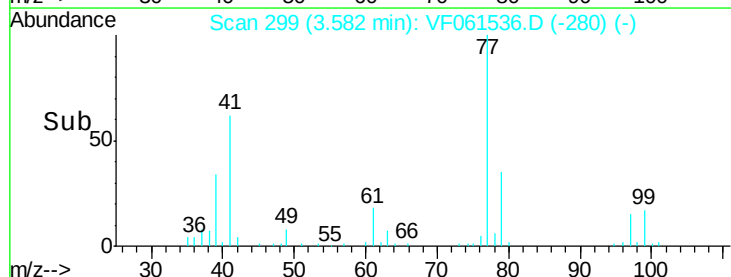
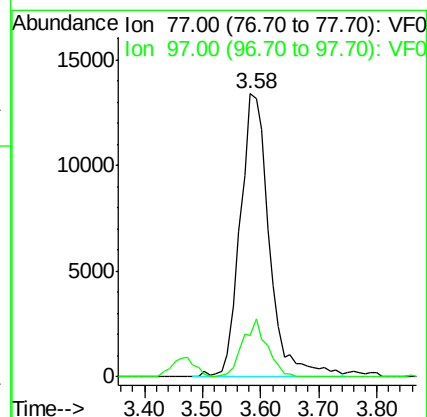
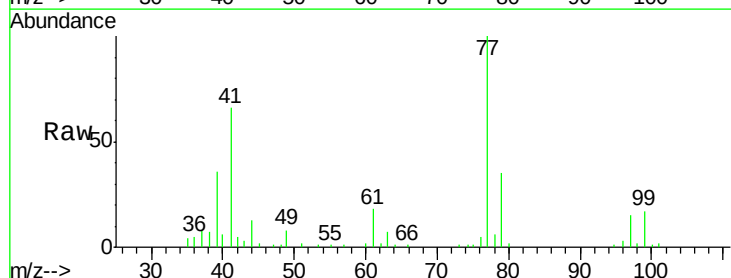
Acq: 28 Jan 2019 12:44

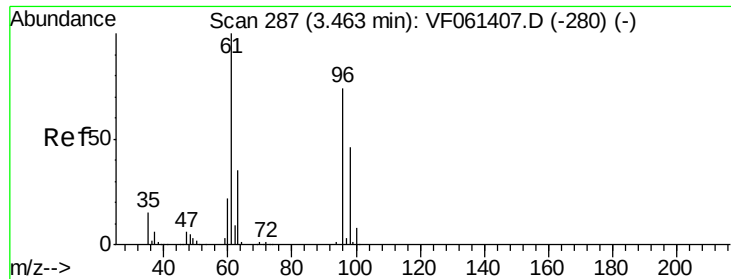
Tgt Ion: 77 Resp: 46991

Ion Ratio Lower Upper

77 100

97 14.7 8.5 25.5





#27

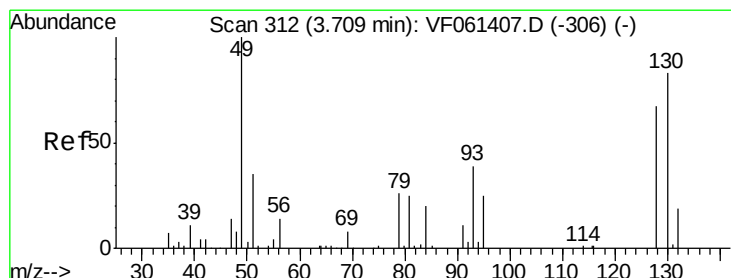
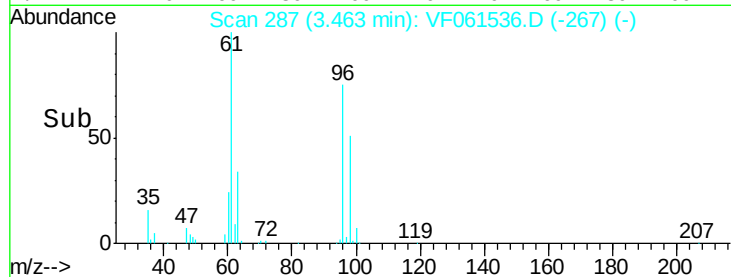
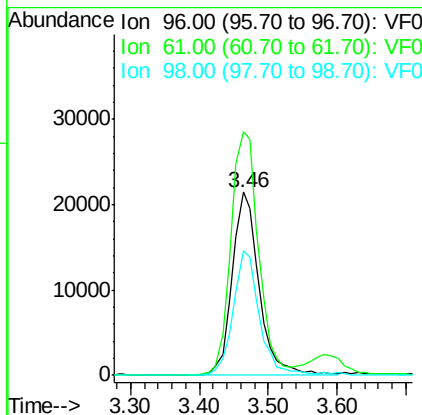
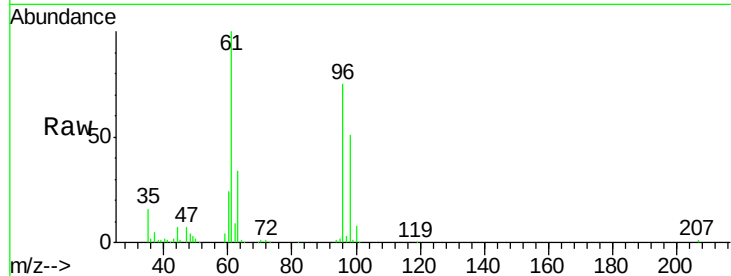
cis-1,2-Dichloroethene
Concen: 19.409 ug/l
RT: 3.46 min Scan# 287
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	58159		
61	132.8		0.0	270.2
98	68.2		0.0	124.0

Manual Integrations
APPROVED

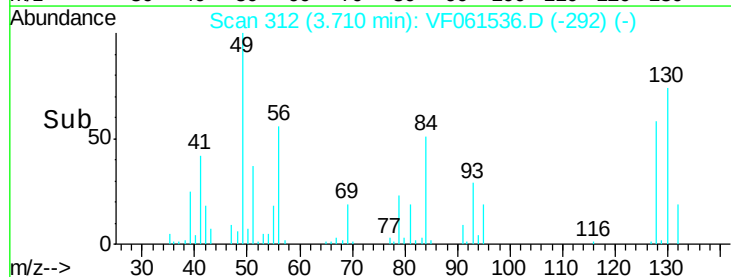
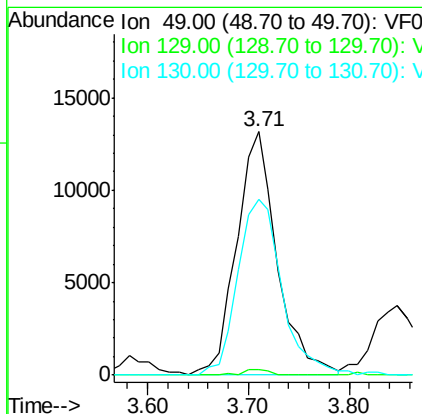
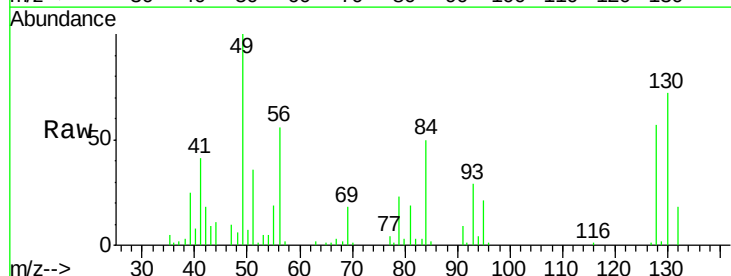
MMDadoda
1/29/2019 12:18:53 PM

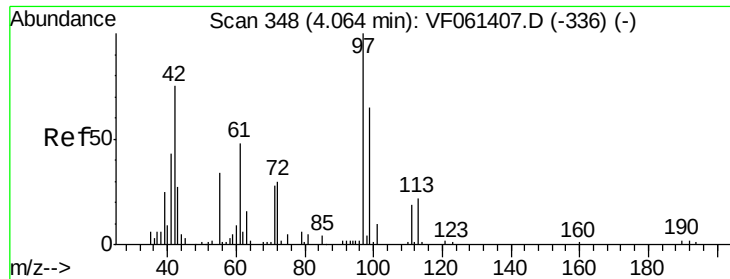


#28

Bromochloromethane
Concen: 19.953 ug/l
RT: 3.71 min Scan# 312
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36960		
129	2.1		0.0	0.0#
130	72.4		65.4	98.2





#29

Tetrahydrofuran

Concen: 105.450 ug/l

RT: 4.07 min Scan# 348

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

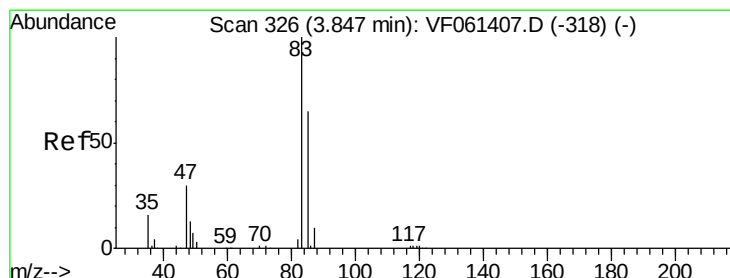
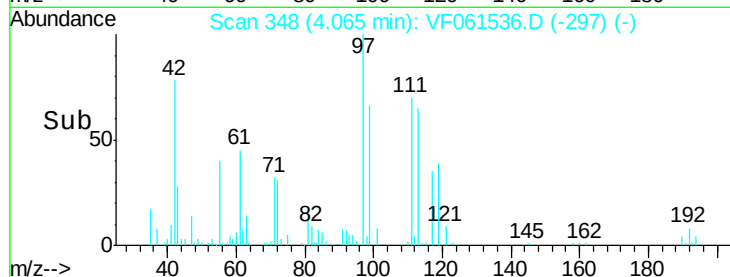
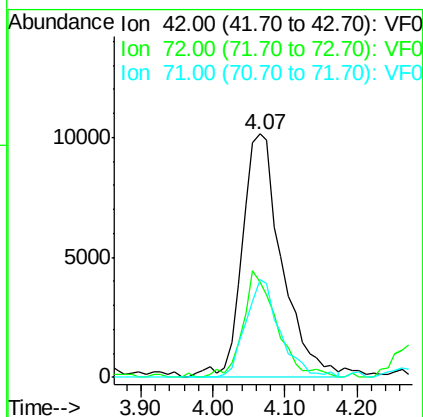
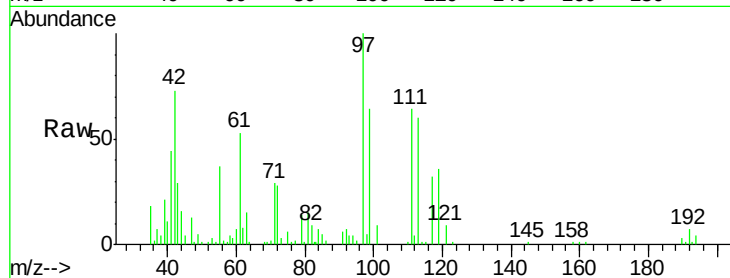
ClientSampleId :

VF0128SBS01

Tot Ion:	42	Resp:	38797
Ion	Ratio	Lower	Upper
42	100		
72	37.4	28.9	43.3
71	34.8	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM



#30

Chloroform

Concen: 19.982 ug/l

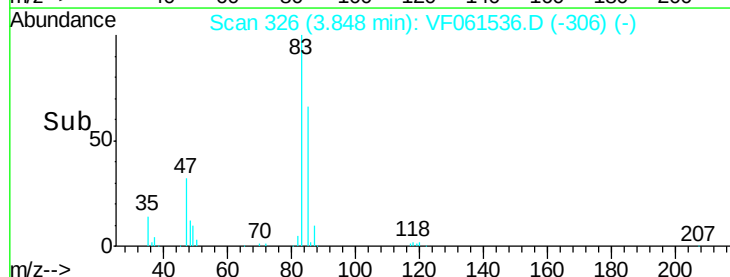
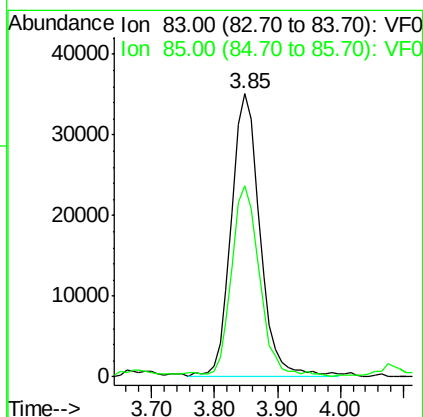
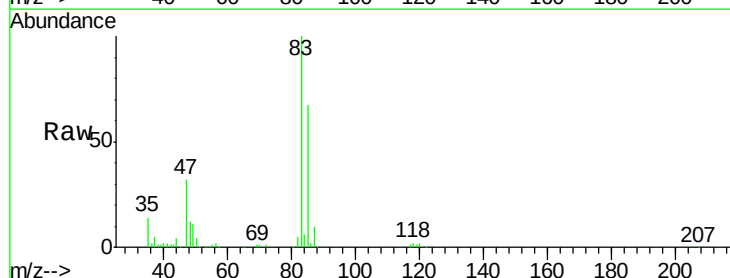
RT: 3.85 min Scan# 326

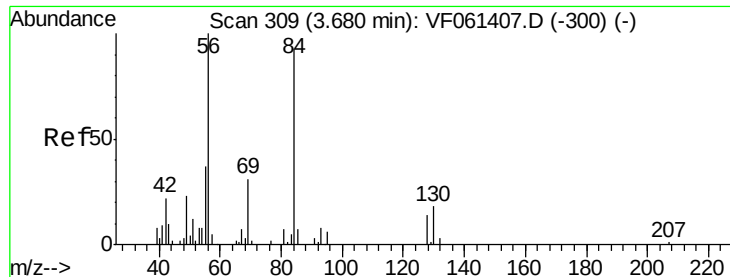
Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion:	83	Resp:	111128
Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.7	79.1





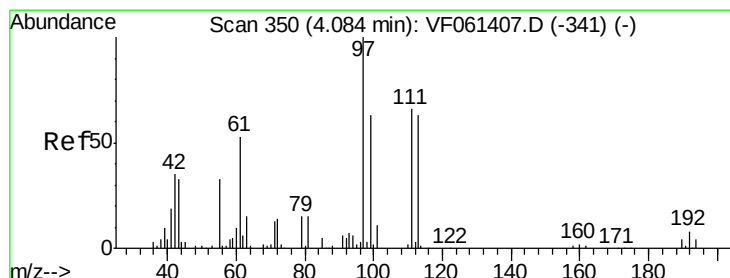
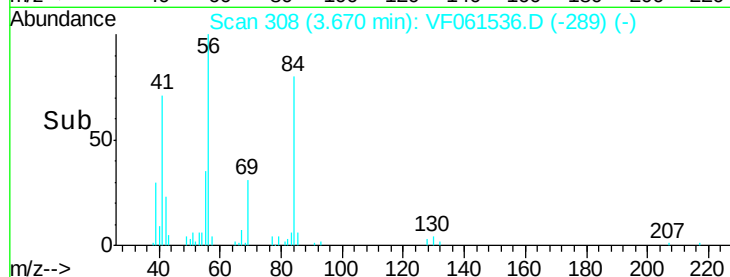
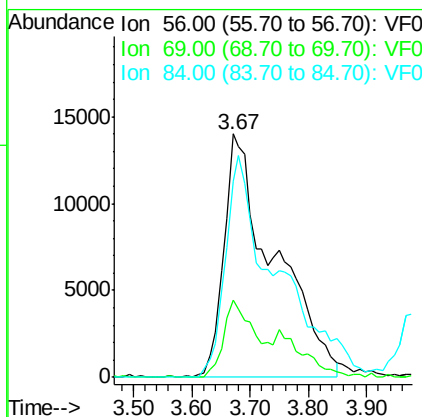
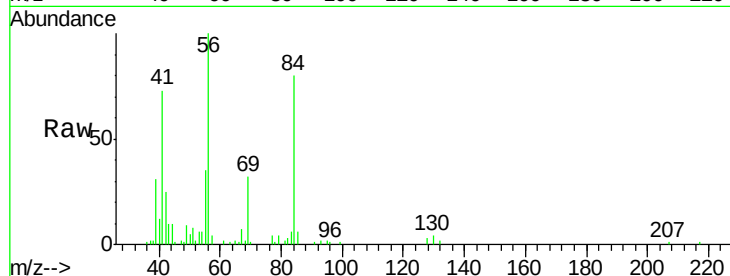
#31
Cyclohexane
Concen: 20.208 ug/l m
RT: 3.67 min Scan# 308
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion	56	69	84
Resp	83183		
Ratio	100	31.9	80.4
Lower		24.6	74.2
Upper		36.8	111.2

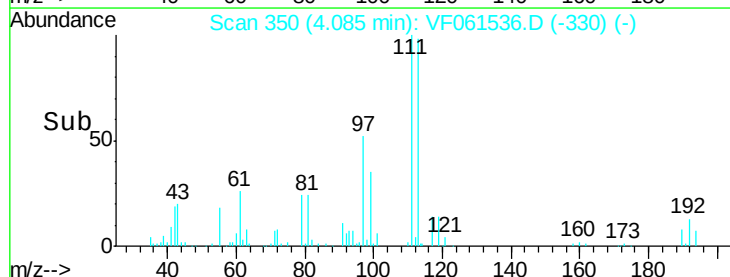
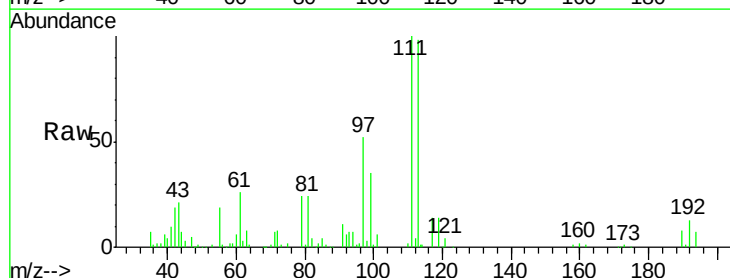
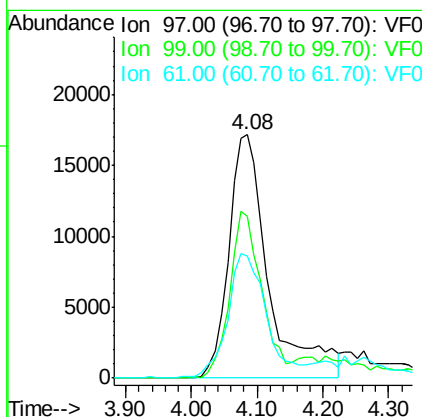
Manual Integrations
APPROVED

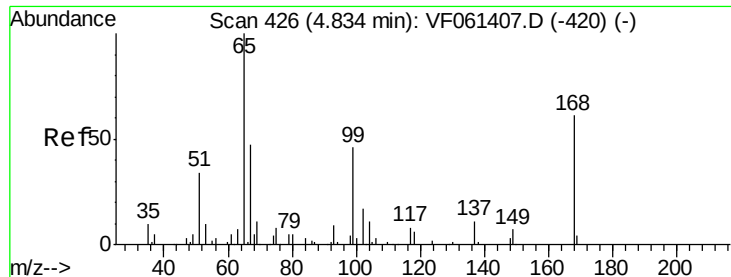
MMDadoda
1/29/2019 12:18:53 PM



#32
1,1,1-Trichloroethane
Concen: 17.989 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	97	99	61
Resp	73358		
Ratio	100	66.3	50.0
Lower		50.1	43.1
Upper		75.1	64.7





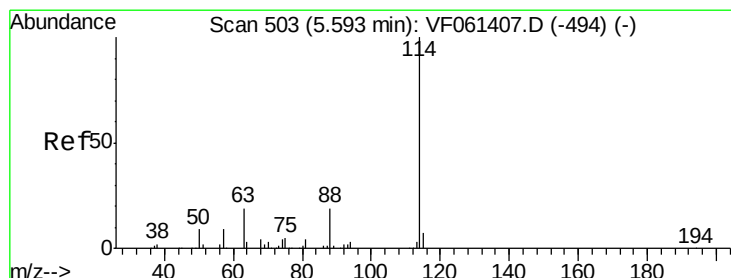
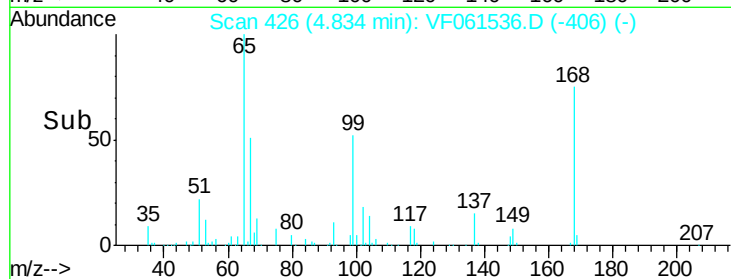
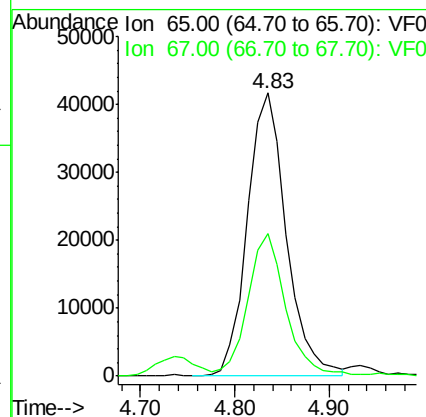
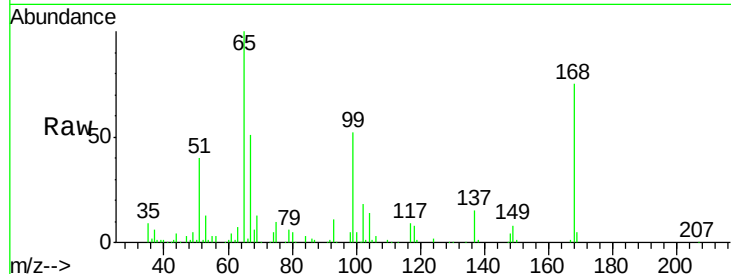
#33
 1,2-Dichloroethane-d4
 Concen: 46.264 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Tot Ion	65	67	Resp	Lower	Upper
118493	100	50.6		0.0	99.8

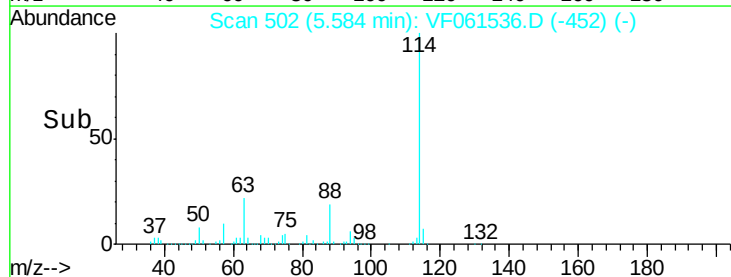
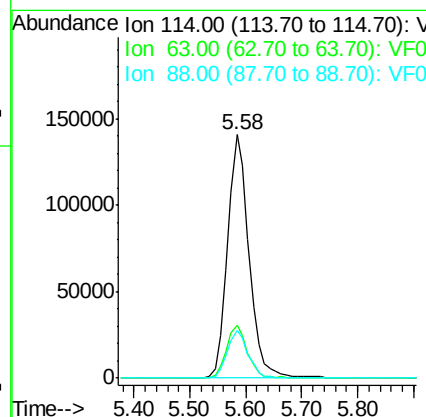
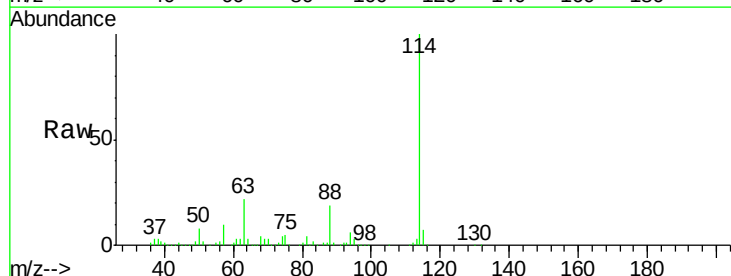
Manual Integrations
 APPROVED

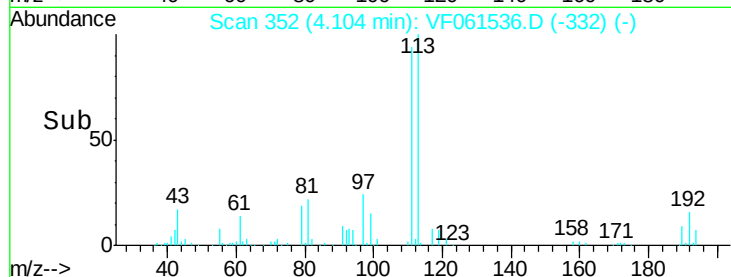
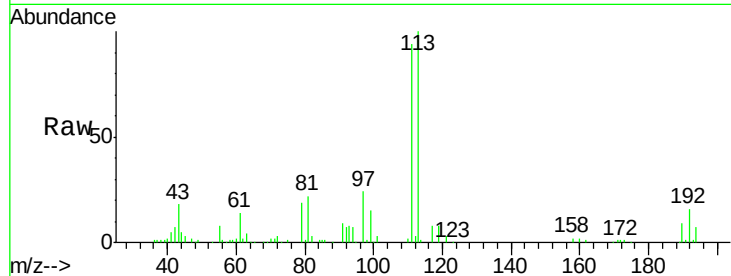
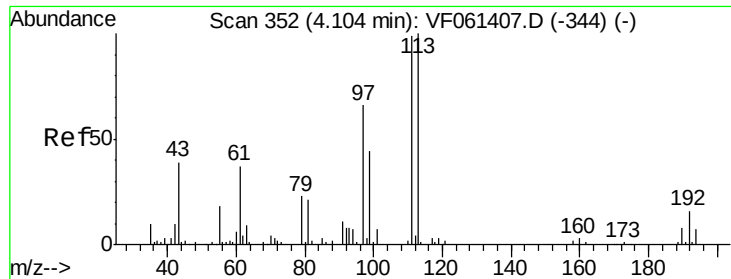
MMDadoda
 1/29/2019 12:18:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion	114	63	88	Resp	Lower	Upper
375583	100	21.8	19.4		0.0	39.0





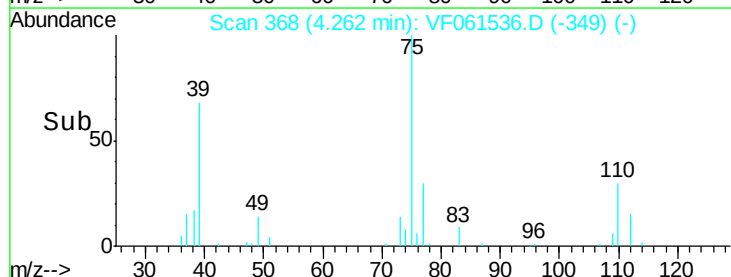
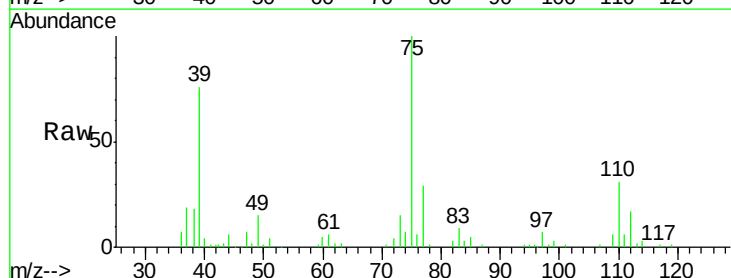
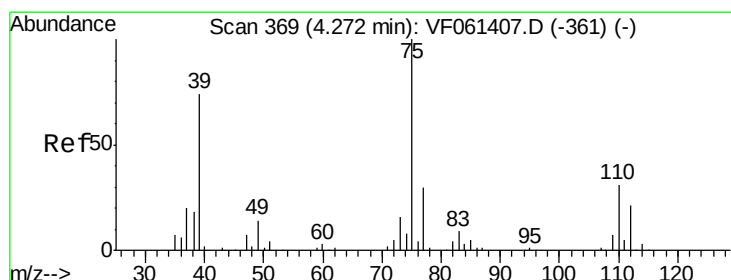
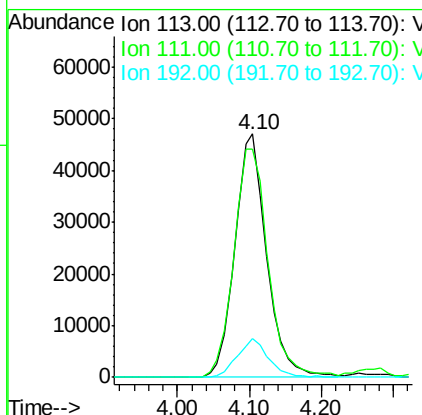
#35
Dibromofluoromethane
Concen: 48.802 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144634		
111	94.0		79.4	119.0
192	15.7		12.4	18.6

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

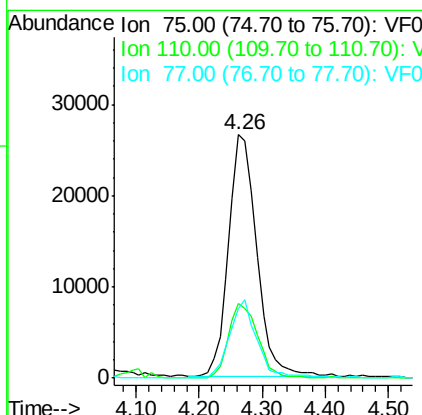
Manual Integrations
APPROVED

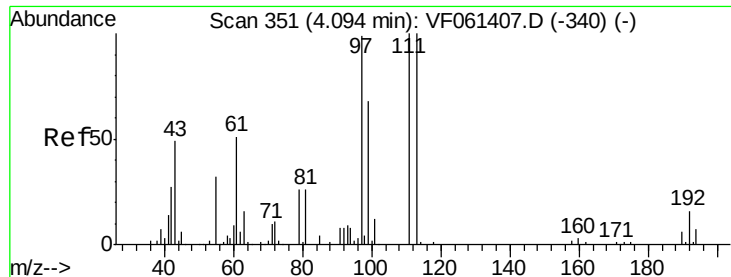
MMDadoda
1/29/2019 12:18:53 PM



#36
1,1-Dichloropropene
Concen: 18.994 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82712		
110	30.7		15.8	47.3
77	28.8		24.0	36.0





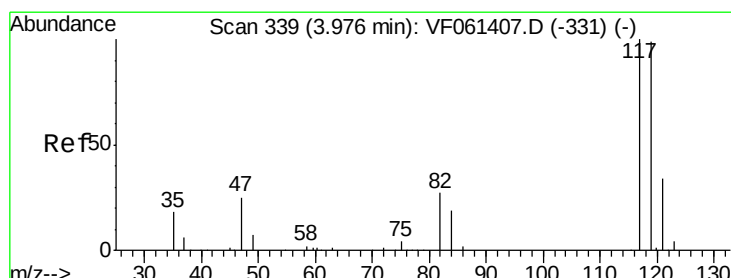
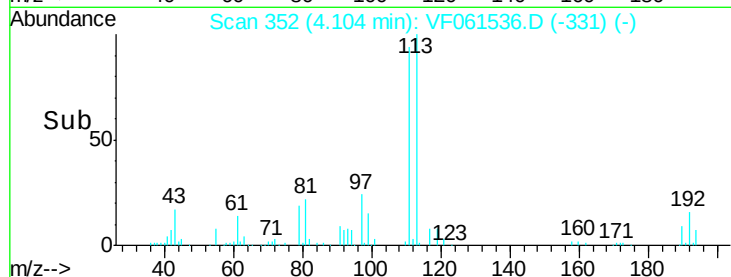
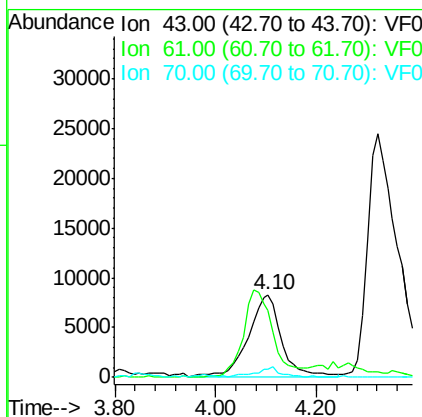
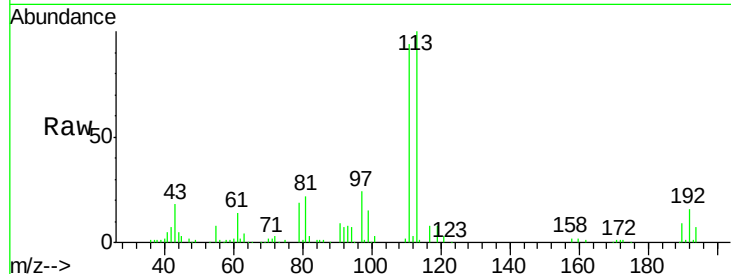
#37
Ethyl Acetate
Concen: 22.218 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						38676
61	80.4				81.7	122.5#	
70	9.2				6.2	9.2	

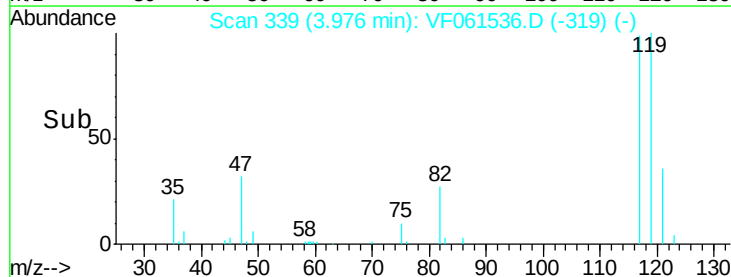
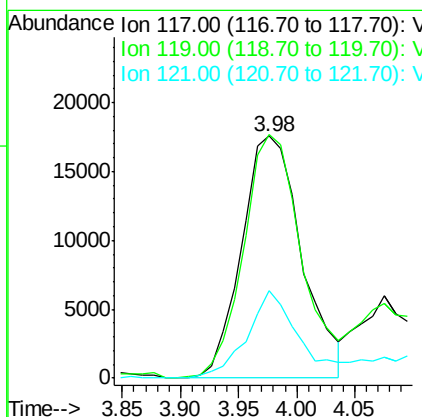
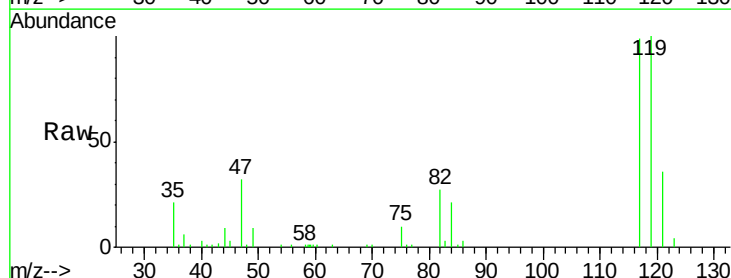
Manual Integrations
APPROVED

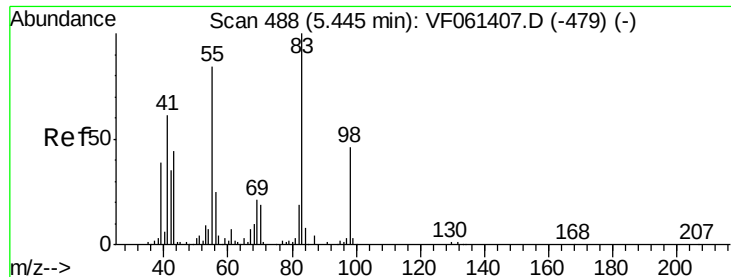
MMDadoda
1/29/2019 12:18:53 PM



#38
Carbon Tetrachloride
Concen: 16.484 ug/l
RT: 3.98 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						62756
119	100.5				79.0	118.6	
121	36.3				27.0	40.6	





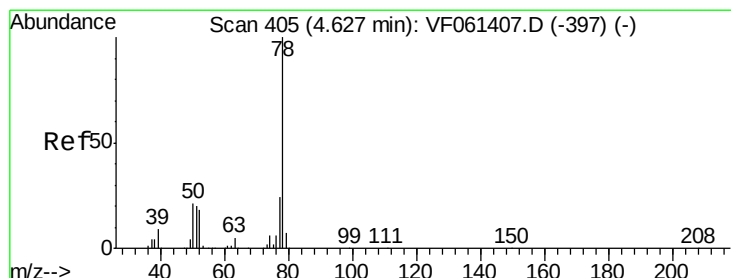
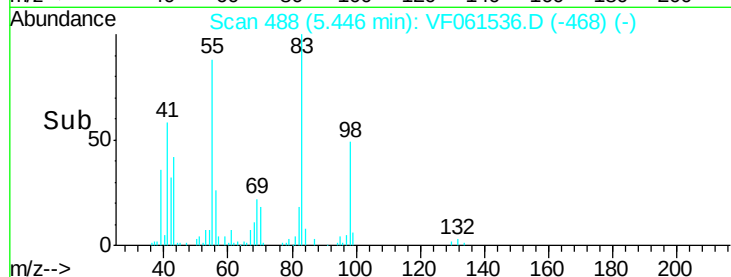
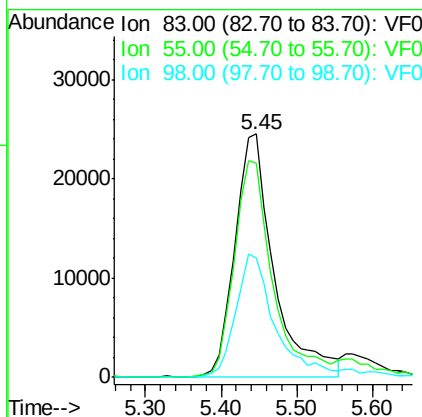
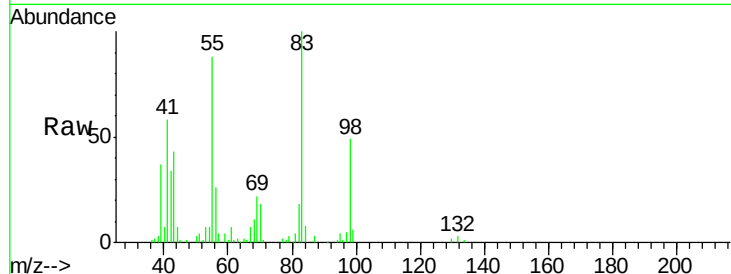
#39
Methylvlcyclohexane
Concen: 18.721 ug/l
RT: 5.45 min Scan# 488
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion	83	Resp	88349
Ion Ratio	Lower	Upper	
83	100		
55	87.9	67.4	101.2
98	48.8	36.7	55.1

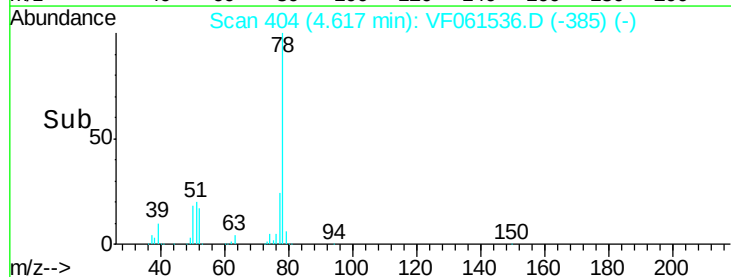
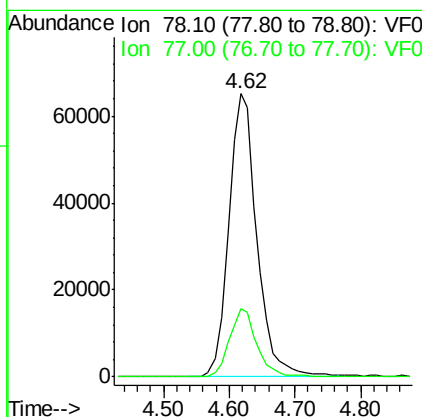
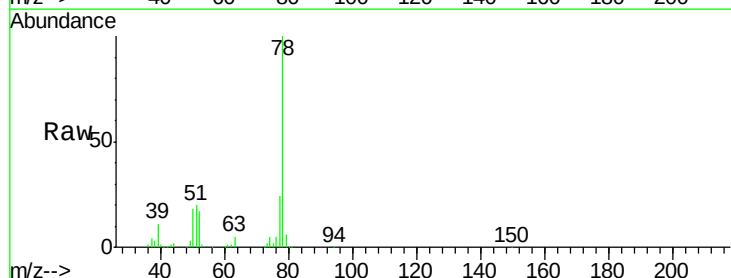
Manual Integrations
APPROVED

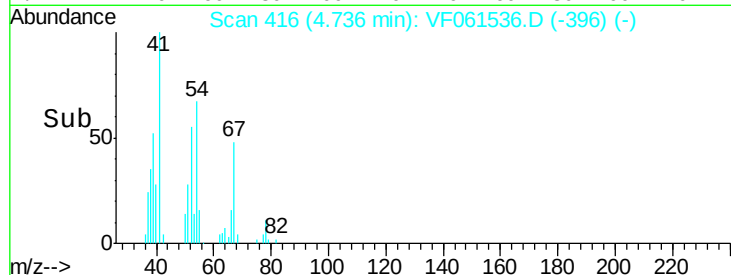
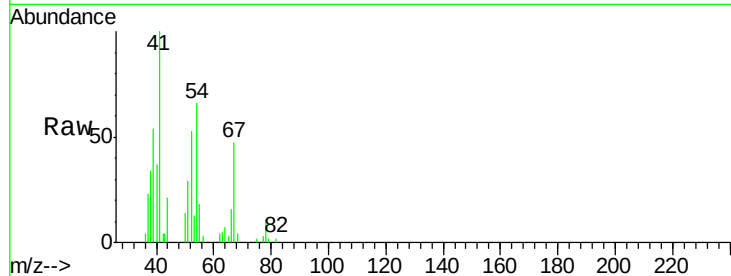
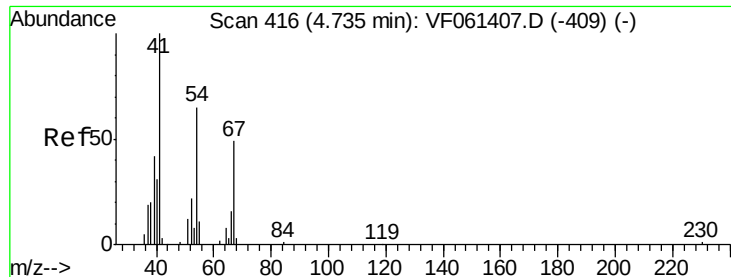
MMDadoda
1/29/2019 12:18:53 PM



#40
Benzene
Concen: 20.073 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	78	Resp	194502
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.0	28.6





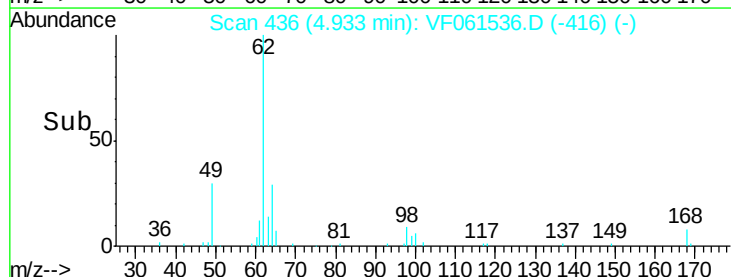
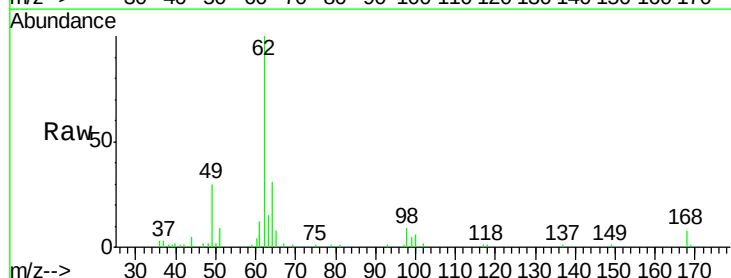
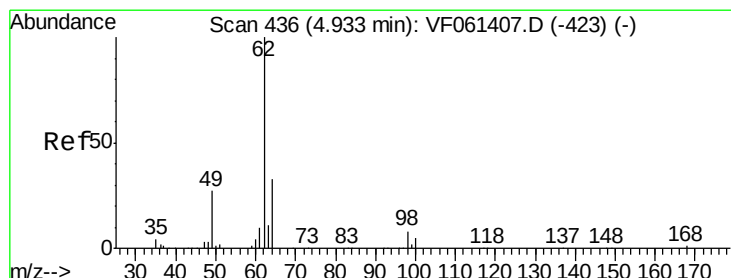
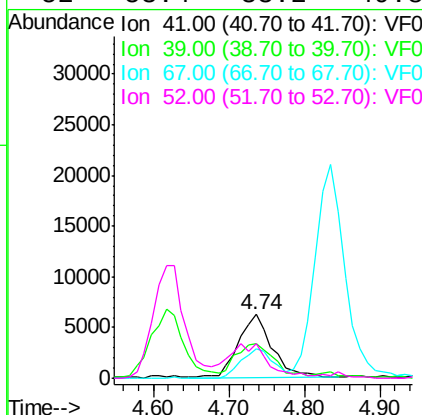
#41
Methacrylonitrile
Concen: 20.806 ug/l
RT: 4.74 min Scan# 416
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.1	64.7
67	46.6	38.8	58.2
52	53.4	33.2	49.8

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

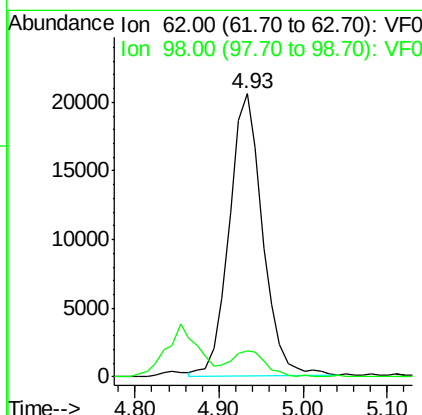
Manual Integrations
APPROVED

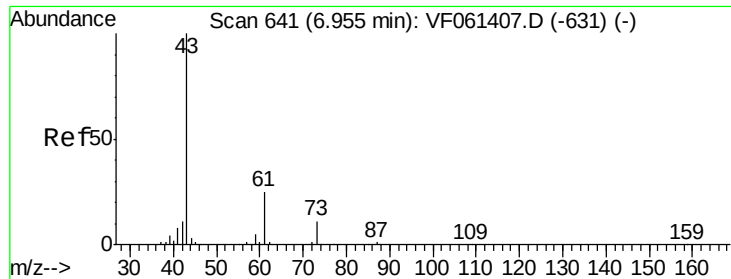
MMDadoda
1/29/2019 12:18:53 PM



#42
1,2-Dichloroethane
Concen: 16.383 ug/l
RT: 4.93 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.192 ug/l

RT: 6.95 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

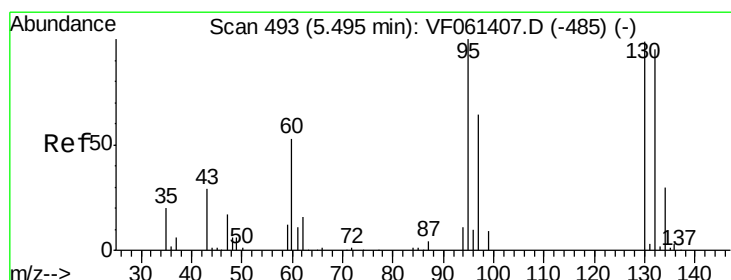
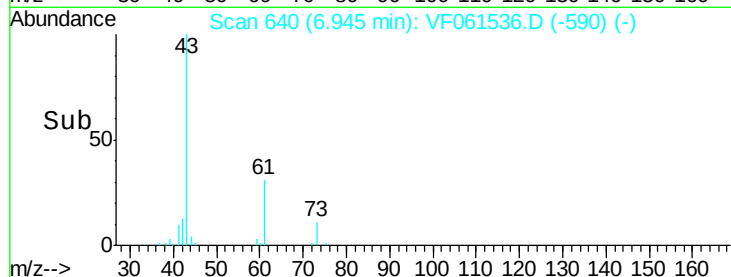
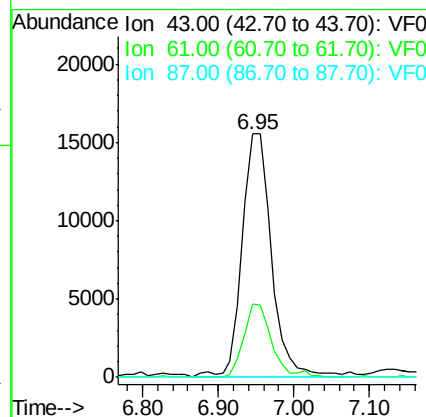
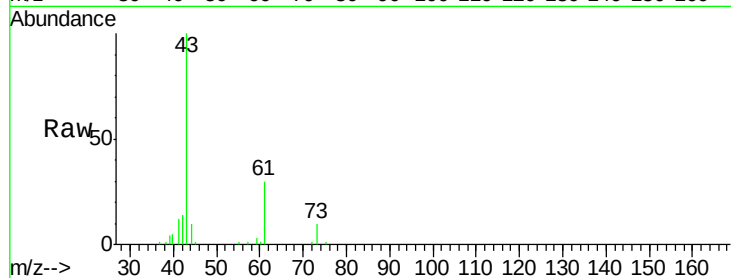
ClientSampleId :

VF0128SBS01

Tot Ion:	43	Resp:	41930
Ion	Ratio	Lower	Upper
43	100		
61	29.9	20.3	30.5
87	0.0	0.5	0.7#

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM



#44

Trichloroethene

Concen: 20.650 ug/l

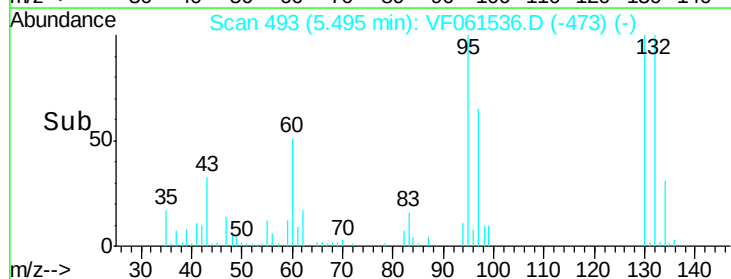
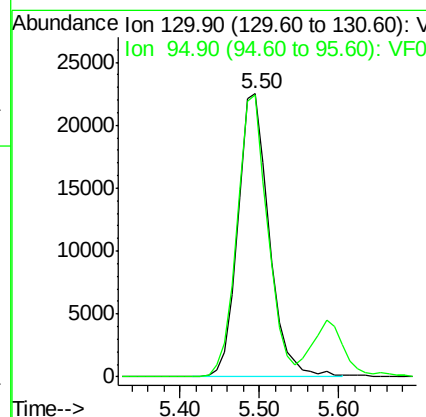
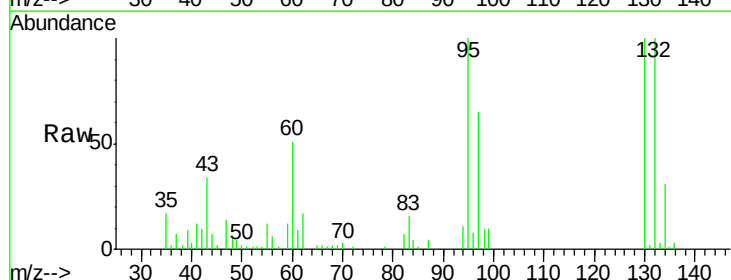
RT: 5.50 min Scan# 493

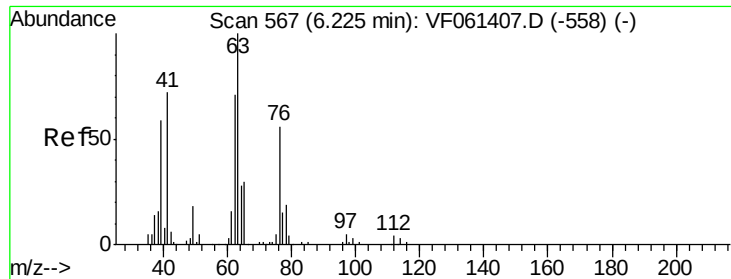
Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion:	130	Resp:	61383
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	202.8





#45

1,2-Dichloropropane

Concen: 19.397 ug/l

RT: 6.23 min Scan# 567

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 63 Resp: 49330

Ion Ratio Lower Upper

63 100

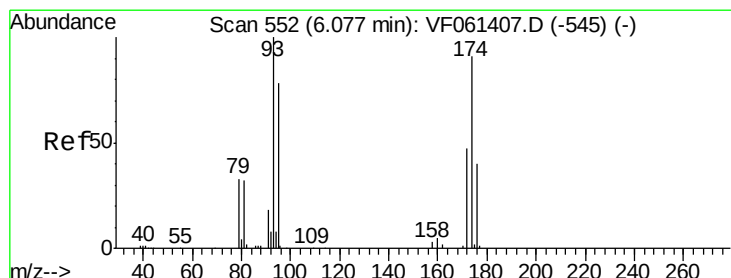
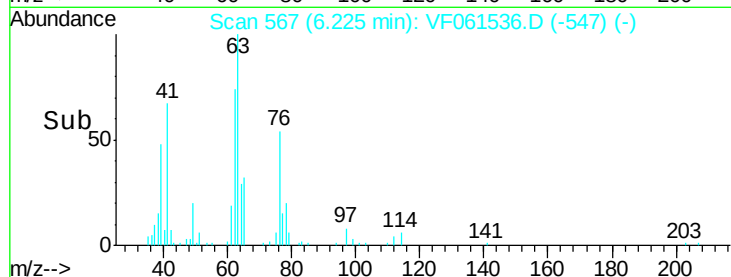
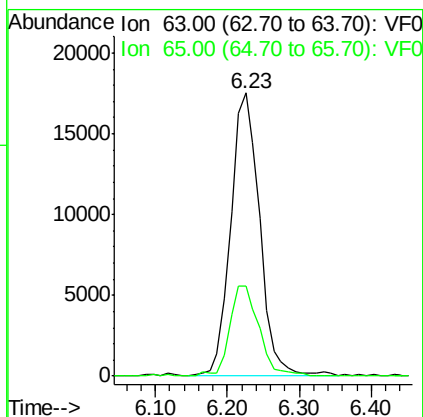
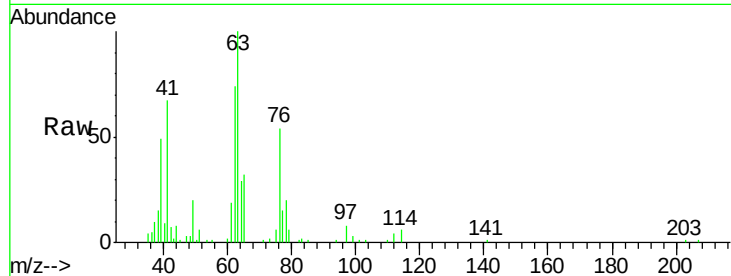
65 31.6 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#46

Dibromomethane

Concen: 17.811 ug/l

RT: 6.08 min Scan# 552

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

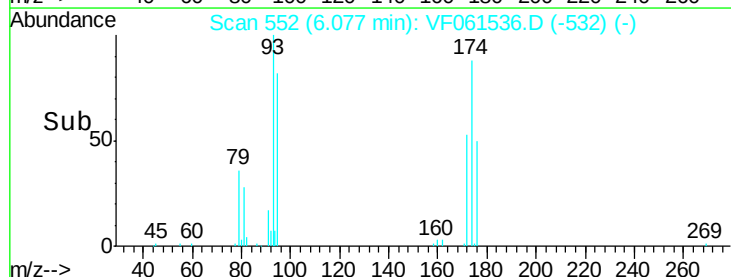
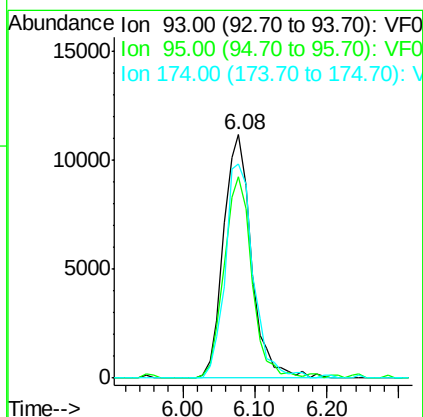
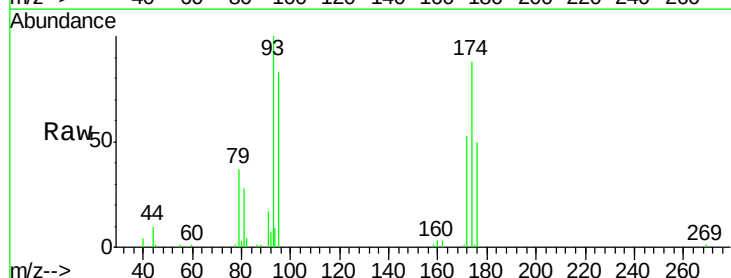
Tgt Ion: 93 Resp: 30119

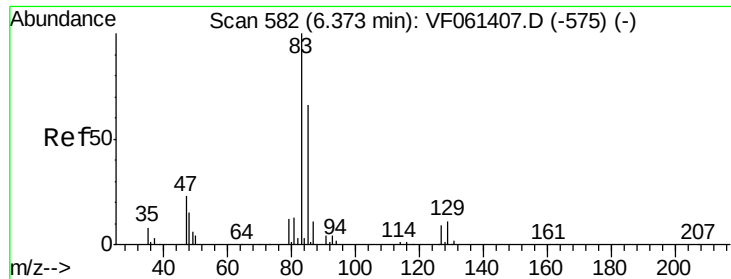
Ion Ratio Lower Upper

93 100

95 82.8 62.1 93.1

174 87.9 74.6 111.8





#47

Bromodichloromethane

Concen: 18.418 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

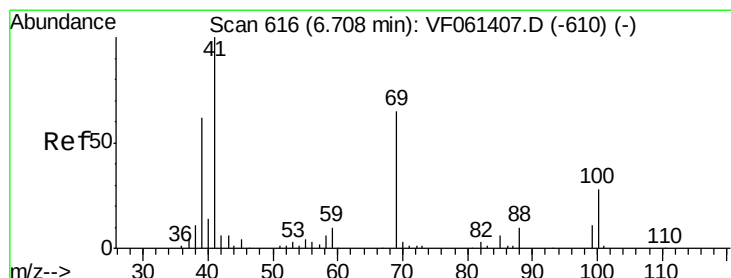
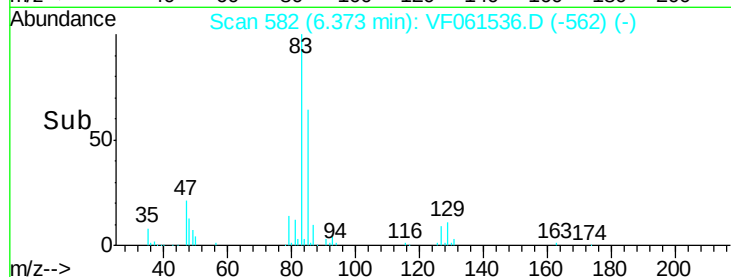
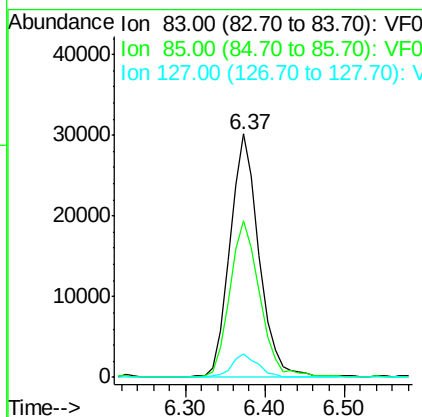
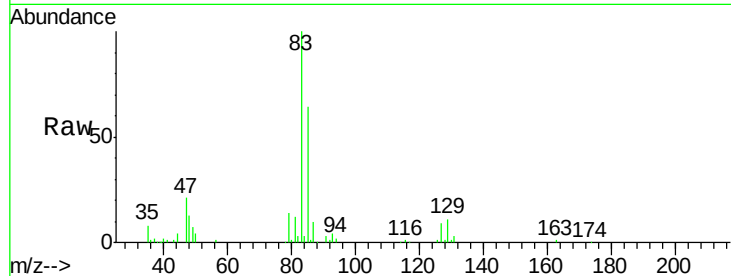
ClientSampleId :

VF0128SBS01

Tot Ion:	83	Resp:	77059
Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.0	79.4
127	9.5	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM



#48

Methyl methacrylate

Concen: 18.485 ug/l

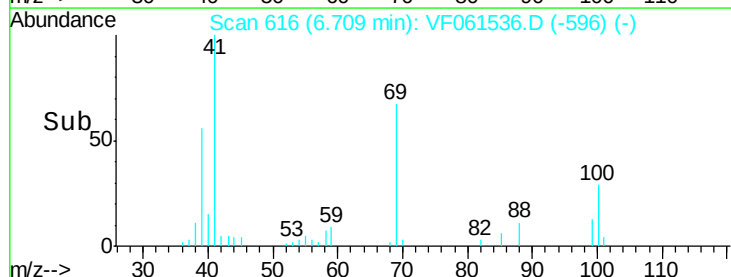
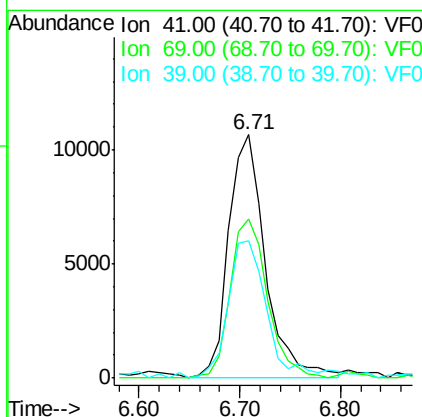
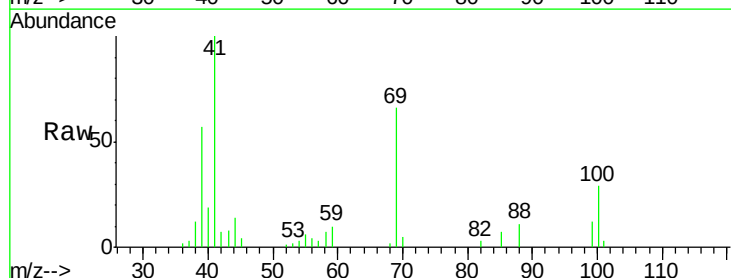
RT: 6.71 min Scan# 616

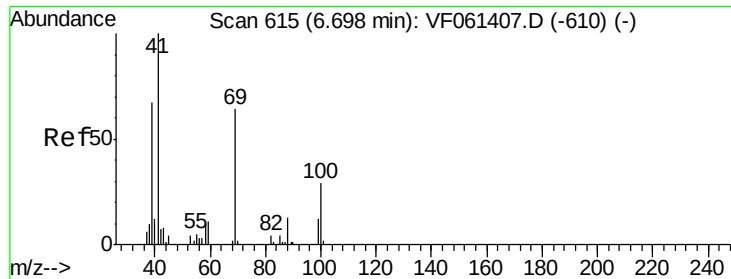
Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion:	41	Resp:	27119
Ion	Ratio	Lower	Upper
41	100		
69	65.6	51.7	77.5
39	56.6	49.2	73.8





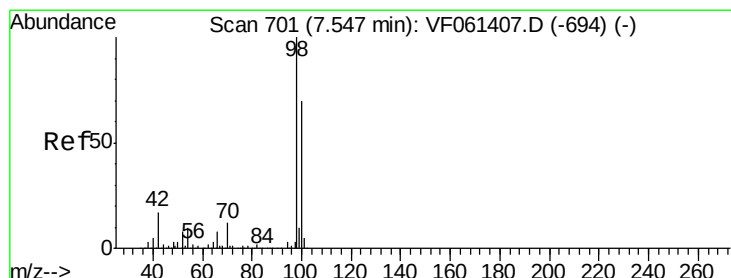
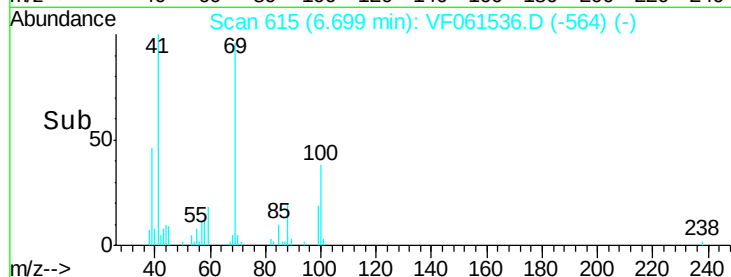
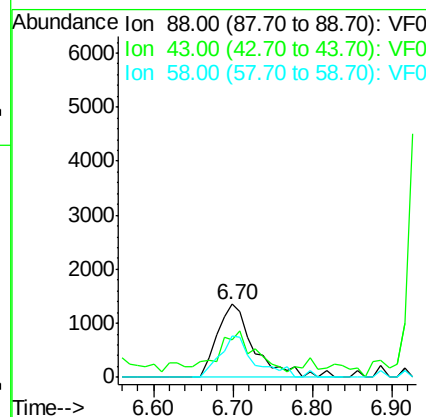
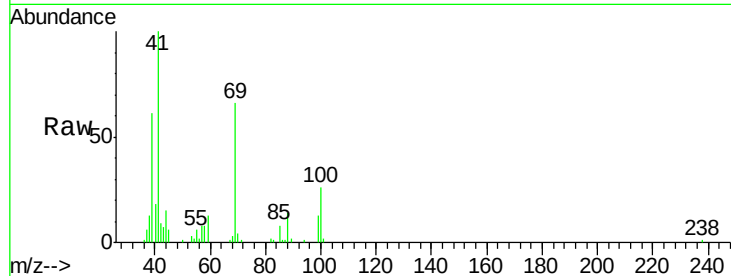
#49
1,4-Dioxane
Concen: 381.877 ug/l
RT: 6.70 min Scan# 615
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	52.2	55.5	83.3#
58	56.9	59.9	89.9#

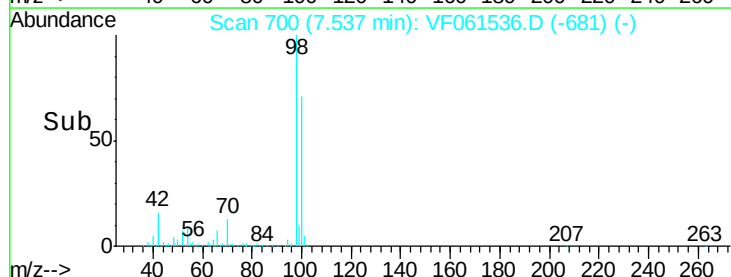
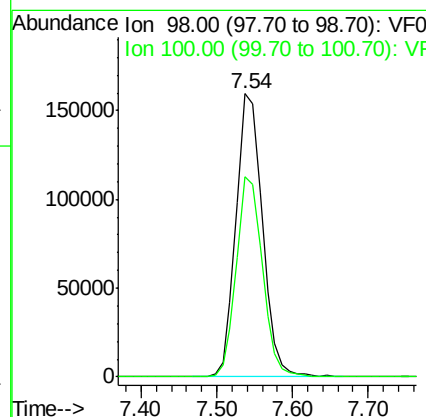
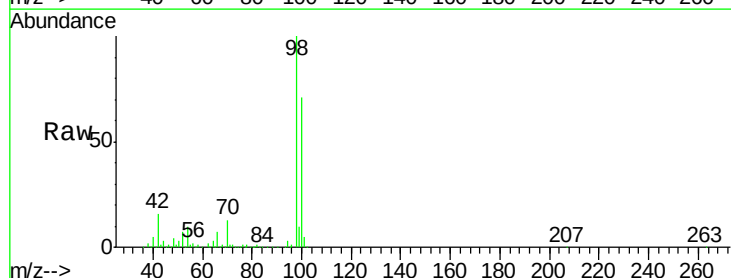
Manual Integrations
APPROVED

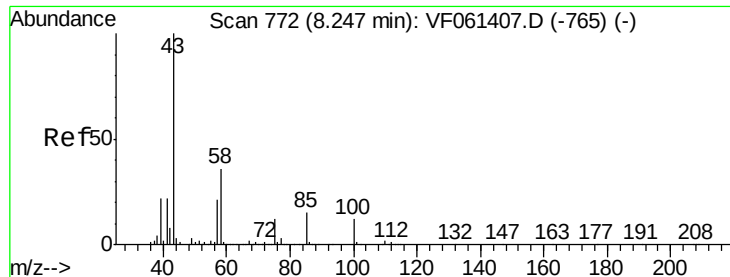
MMDadoda
1/29/2019 12:18:53 PM



#50
Toluene-d8
Concen: 47.473 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.5	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 98.720 ug/l

RT: 8.25 min Scan# 772

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 43 Resp: 158555

Ion Ratio Lower Upper

43 100

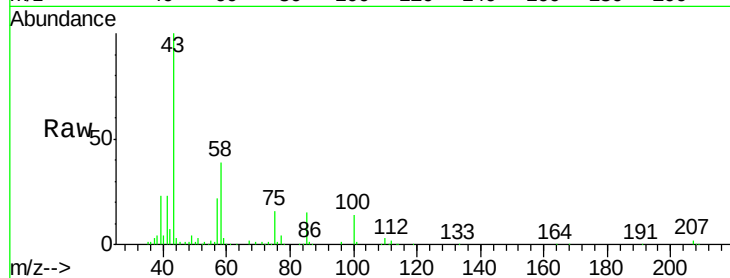
58 38.5 28.8 43.2

Manual Integrations

APPROVED

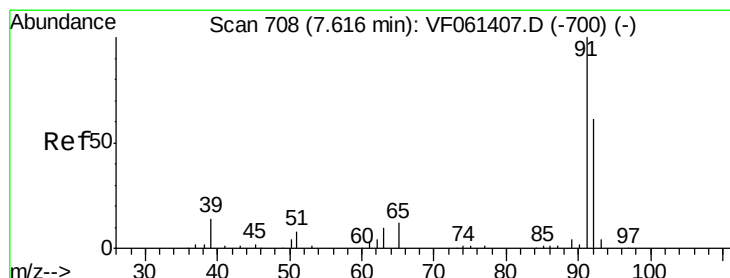
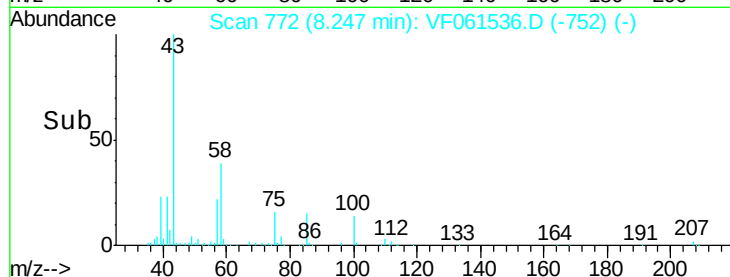
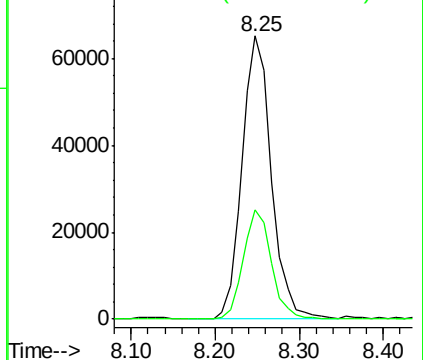
MMDadoda

1/29/2019 12:18:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 18.154 ug/l

RT: 7.62 min Scan# 708

Delta R.T. 0.00 min

Lab File: VF061536.D

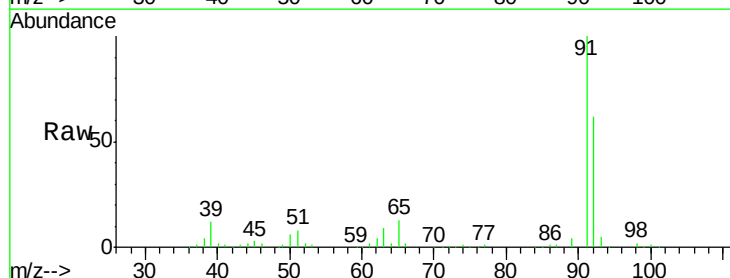
Acq: 28 Jan 2019 12:44

Tgt Ion: 92 Resp: 115845

Ion Ratio Lower Upper

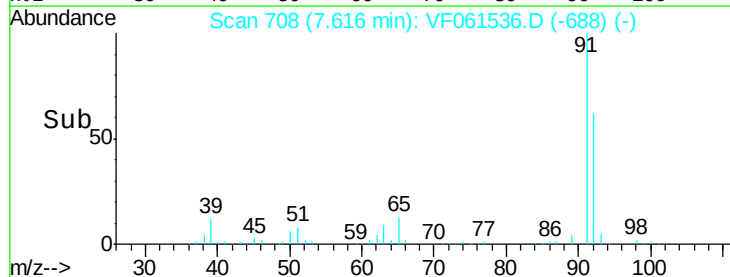
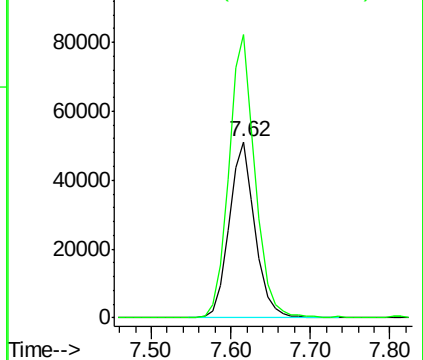
92 100

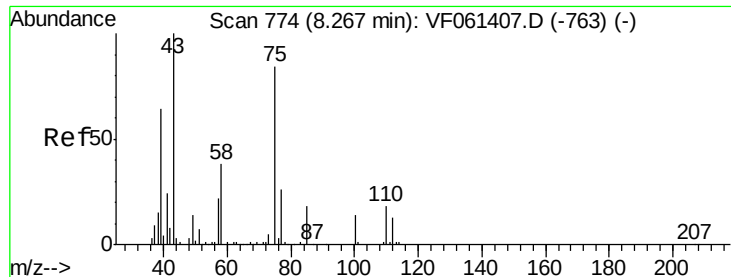
91 160.7 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 18.892 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 75 Resp: 62764

Ion Ratio Lower Upper

75 100

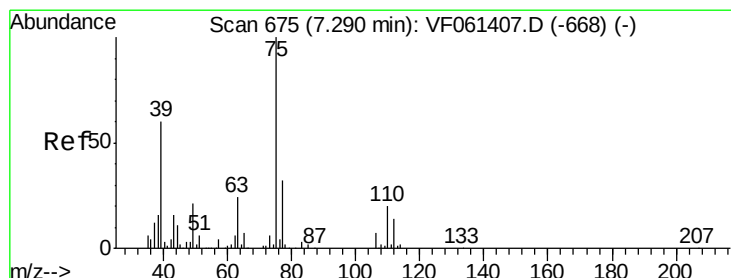
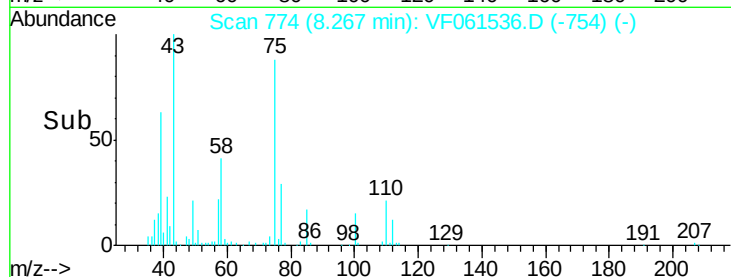
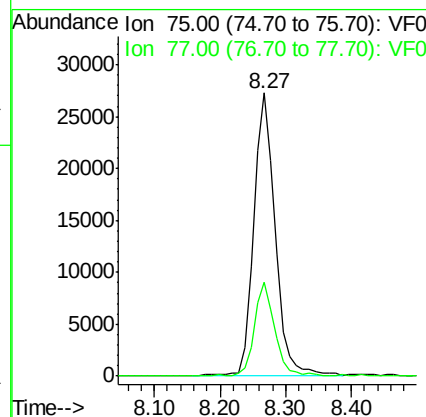
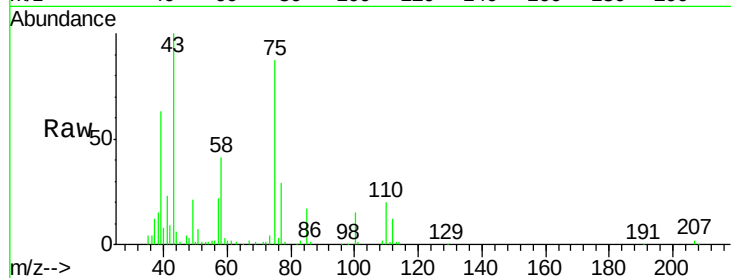
77 33.2 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#54

cis-1,3-Dichloropropene

Concen: 18.687 ug/l

RT: 7.29 min Scan# 675

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

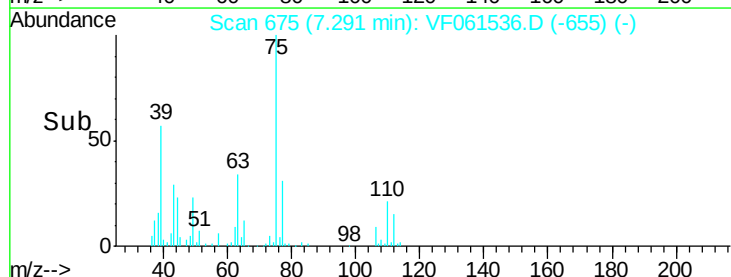
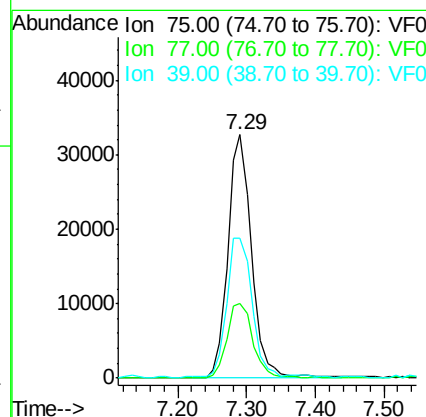
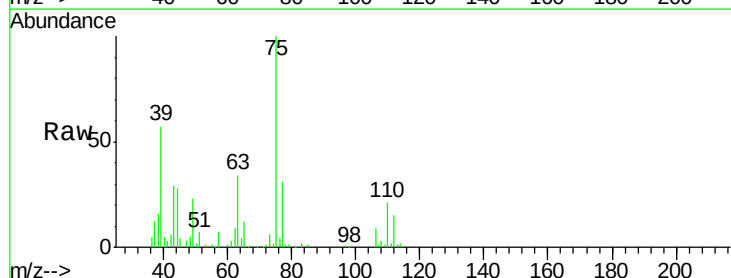
Tgt Ion: 75 Resp: 77605

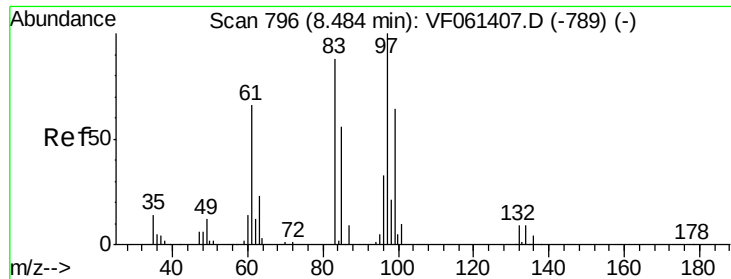
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0

39 57.3 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 19.417 ug/l

RT: 8.48 min Scan# 796

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

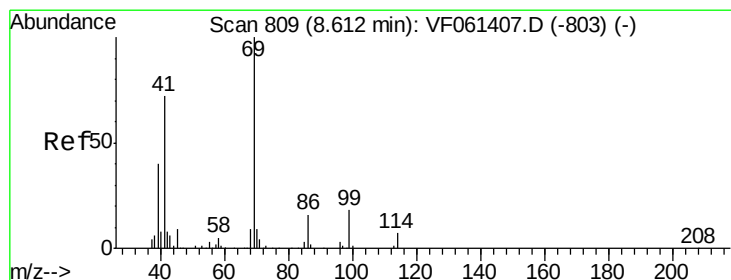
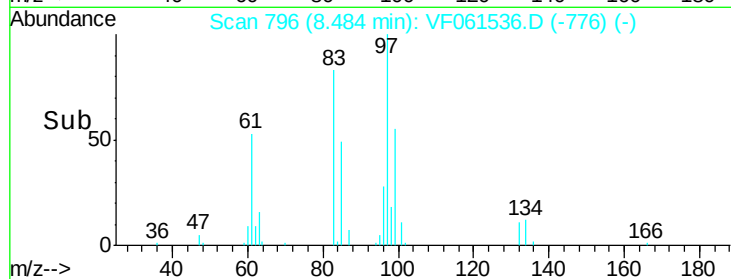
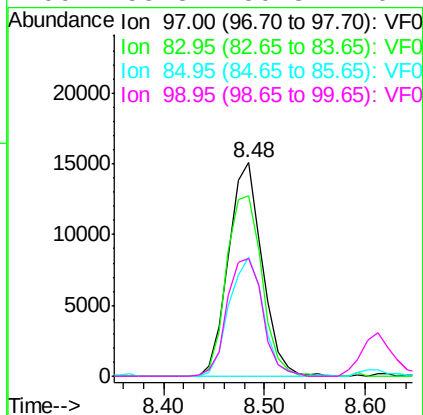
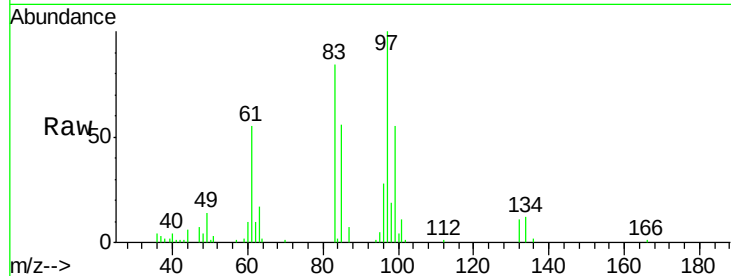
ClientSampleId :

VF0128SBS01

Tot Ion:	97	Resp:	35185
Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.4	105.6
85	55.6	44.7	67.1
99	55.3	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM



#56

Ethyl methacrylate

Concen: 16.623 ug/l

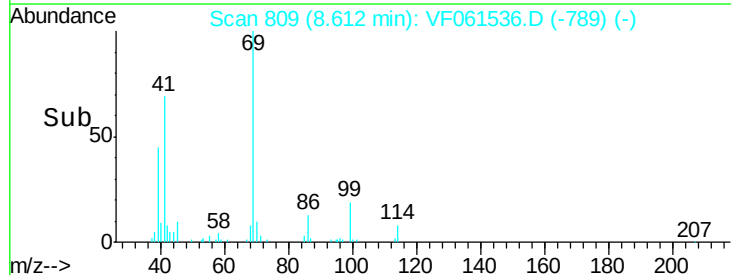
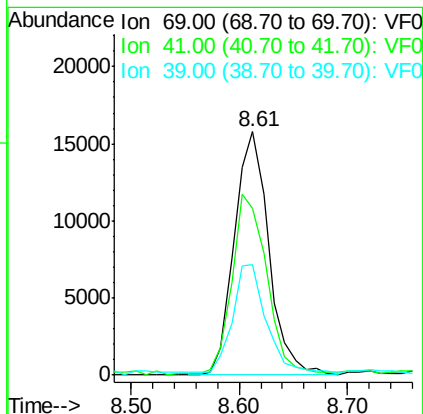
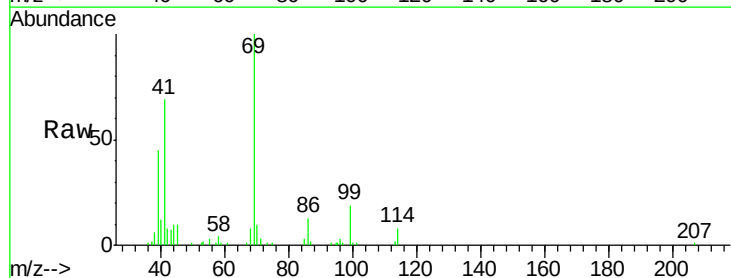
RT: 8.61 min Scan# 809

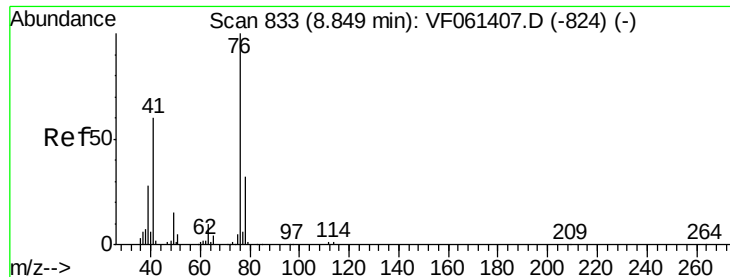
Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion:	69	Resp:	35045
Ion	Ratio	Lower	Upper
69	100		
41	68.5	57.5	86.3
39	45.2	32.0	48.0





#57

1,3-Dichloropropane

Concen: 17.258 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 76 Resp: 58618

Ion Ratio Lower Upper

76 100

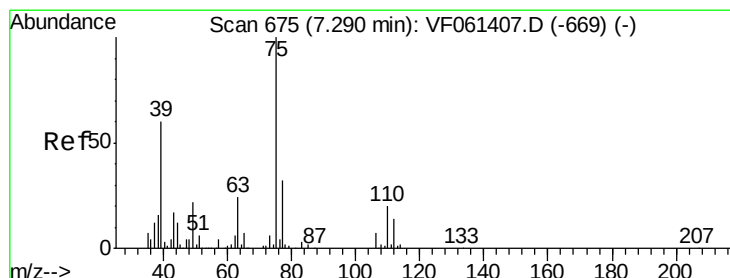
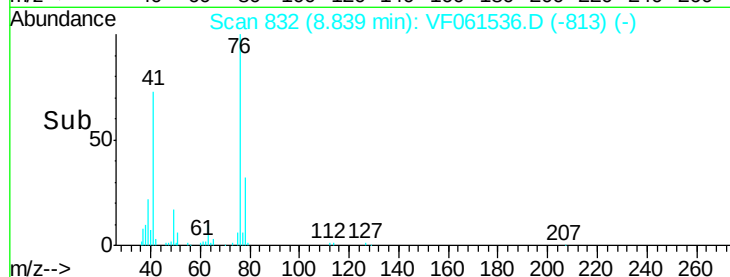
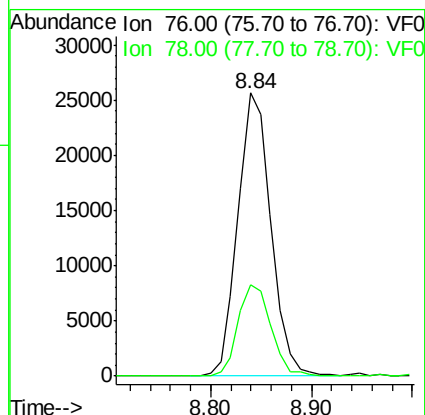
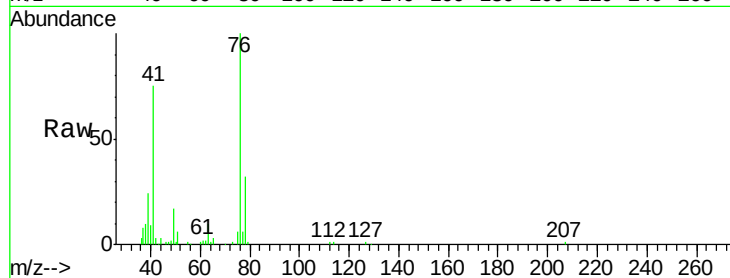
78 32.3 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#58

2-Chloroethyl Vinyl ether

Concen: 144.101 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061536.D

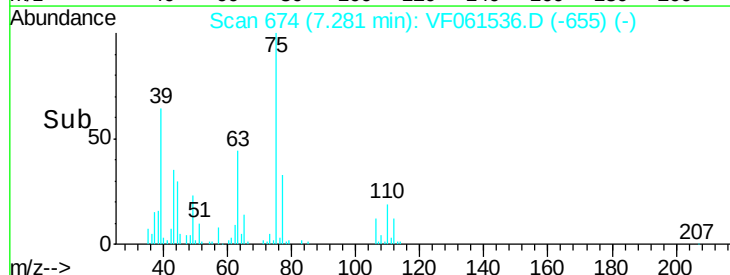
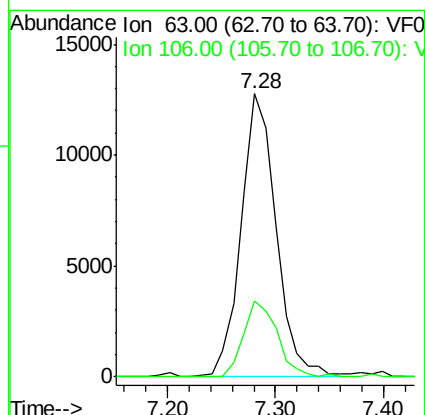
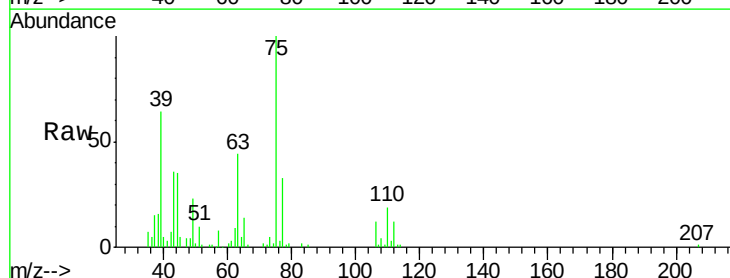
Acq: 28 Jan 2019 12:44

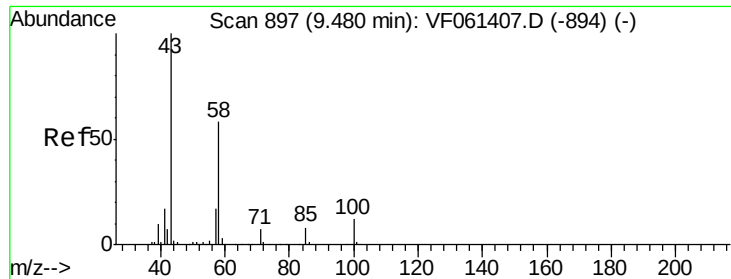
Tgt Ion: 63 Resp: 28961

Ion Ratio Lower Upper

63 100

106 26.7 21.9 32.9





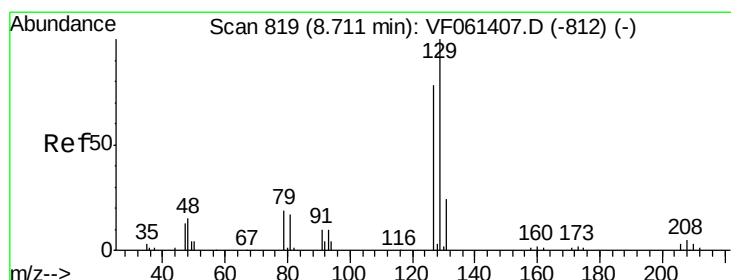
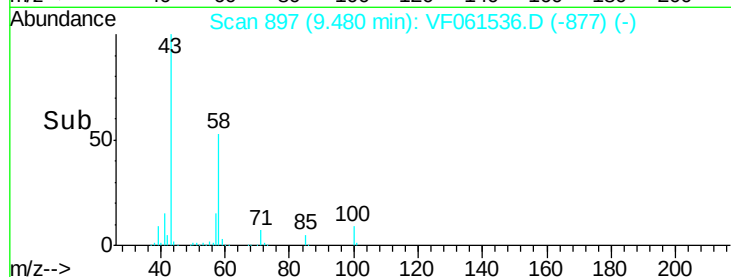
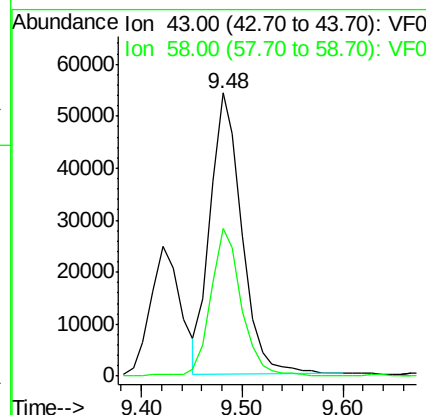
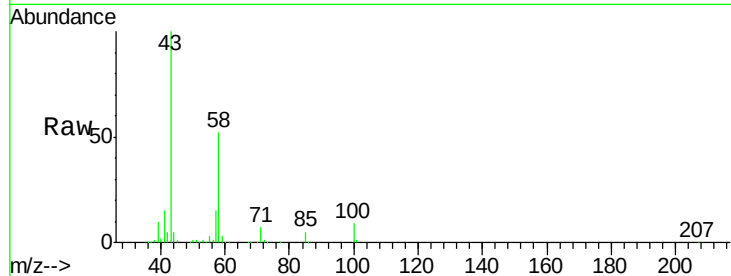
#59
2-Hexanone
Concen: 105.281 ug/l
RT: 9.48 min Scan# 897
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion: 43 Resp: 117912
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.6

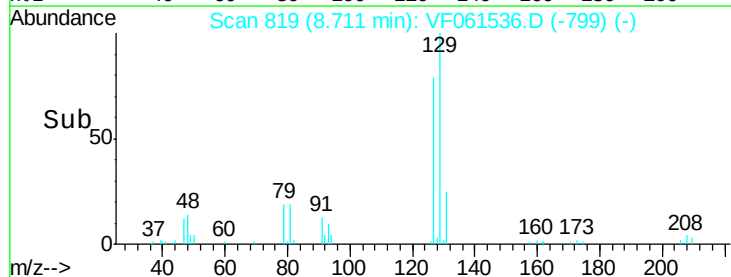
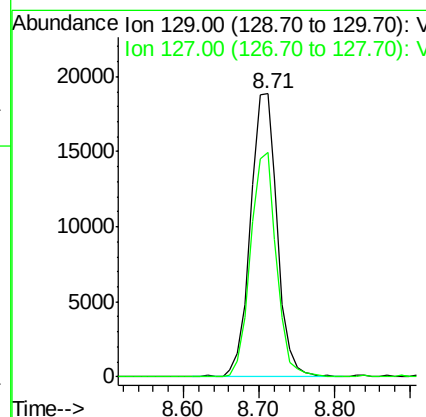
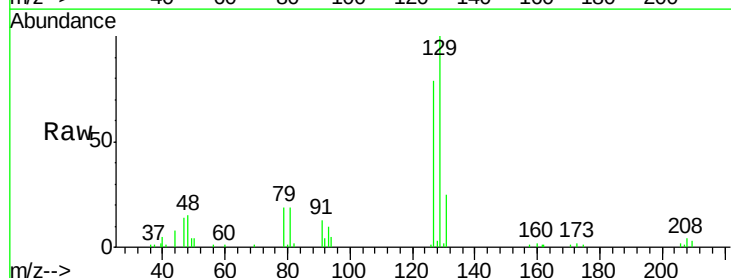
Manual Integrations
APPROVED

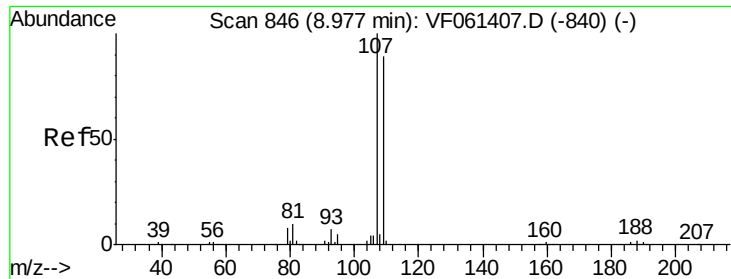
MMDadoda
1/29/2019 12:18:53 PM



#60
Dibromochloromethane
Concen: 17.556 ug/l
RT: 8.71 min Scan# 819
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion: 129 Resp: 46509
Ion Ratio Lower Upper
129 100
127 79.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.141 ug/l

RT: 8.98 min Scan# 846

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 107 Resp: 35559

Ion Ratio Lower Upper

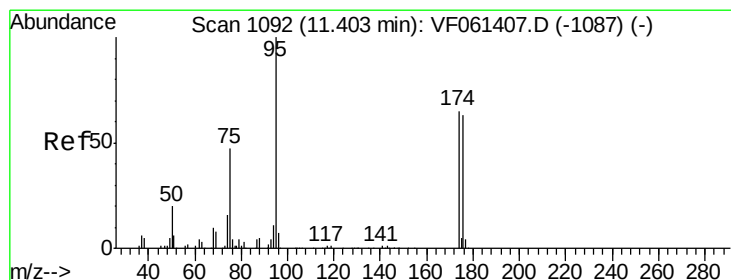
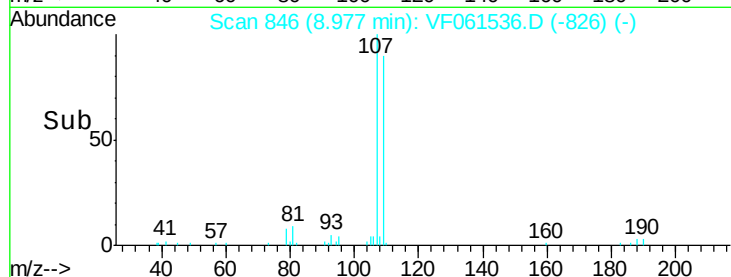
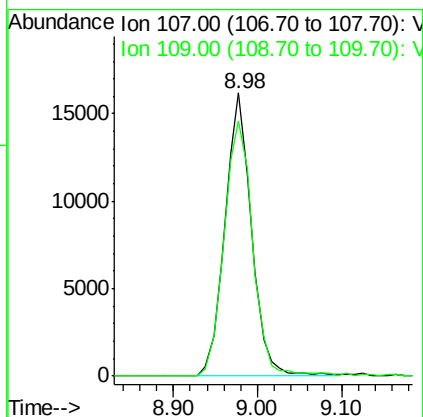
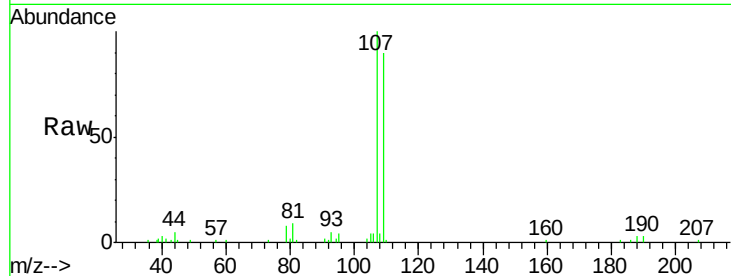
107 100

109 90.0 70.8 106.2

Manual Integrations
APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#62

4-Bromofluorobenzene

Concen: 43.683 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

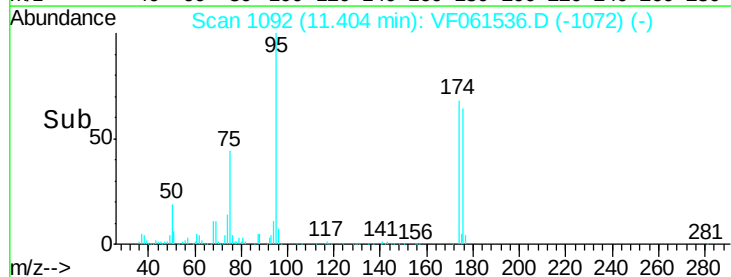
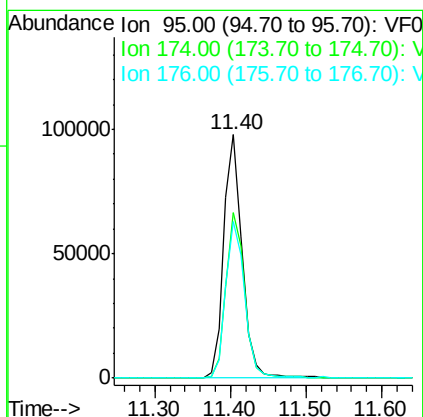
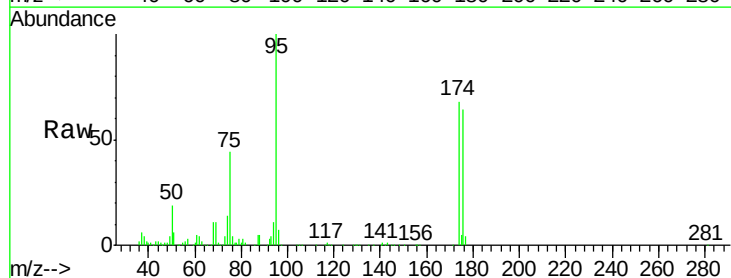
Tgt Ion: 95 Resp: 165729

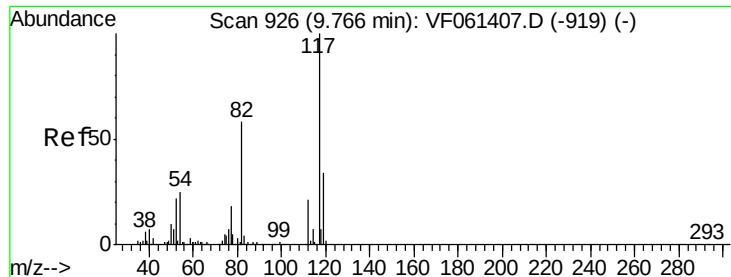
Ion Ratio Lower Upper

95 100

174 68.2 0.0 130.4

176 64.3 0.0 126.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 926

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

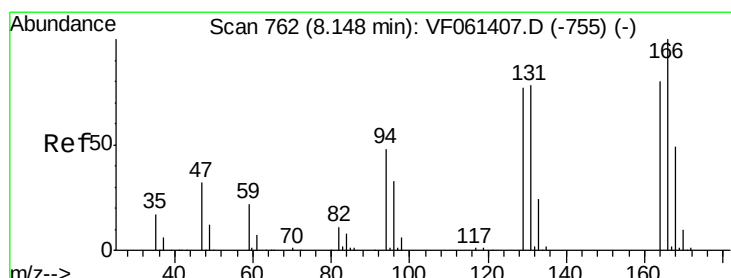
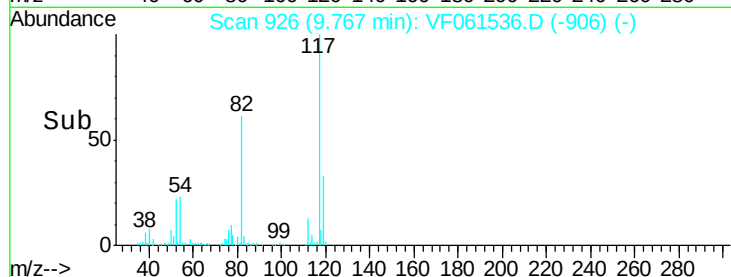
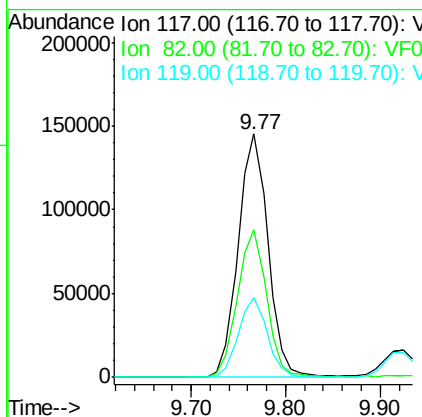
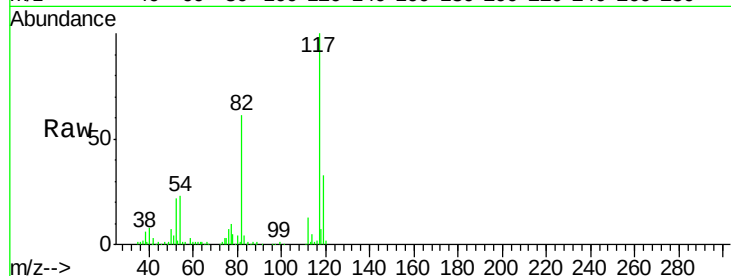
ClientSampleId :

VF0128SBS01

Tot Ion:	117	Resp:	318528
Ion Ratio		Lower	Upper
117	100		
82	60.7	46.4	69.6
119	32.9	27.2	40.8

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM



#64

Tetrachloroethene

Concen: 18.935 ug/l

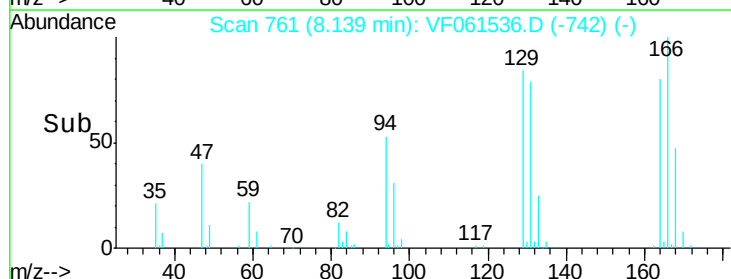
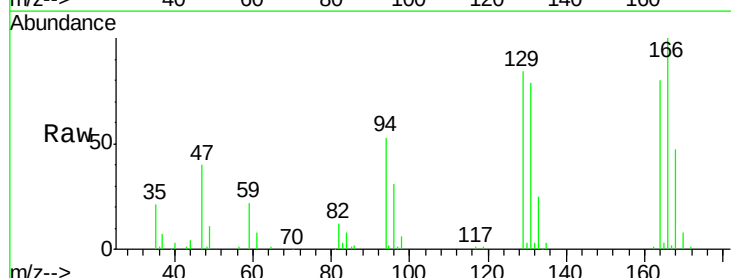
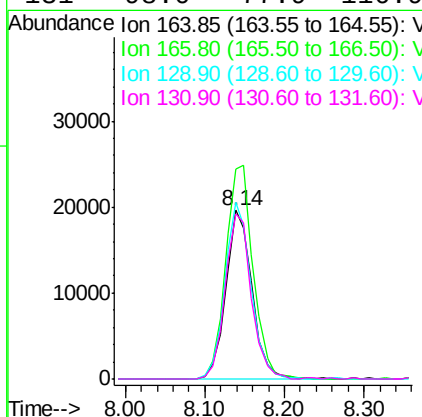
RT: 8.14 min Scan# 761

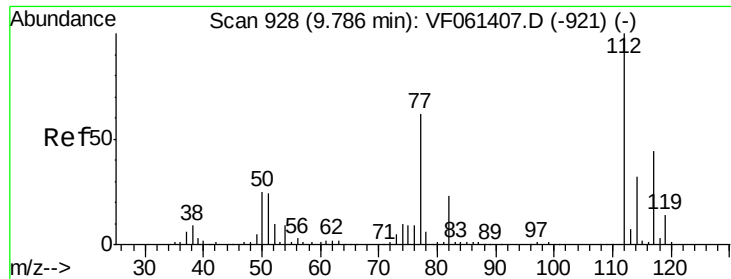
Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion:	164	Resp:	45356
Ion Ratio		Lower	Upper
164	100		
166	124.5	99.6	149.4
129	104.5	76.4	114.6
131	98.0	77.9	116.9





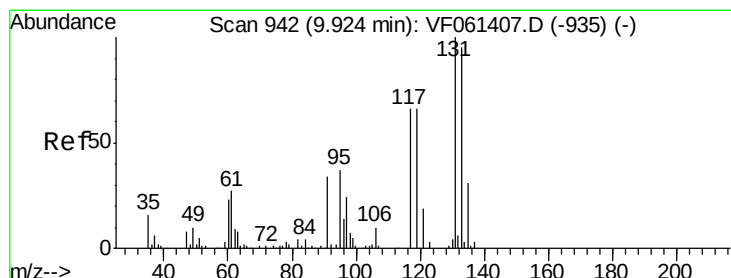
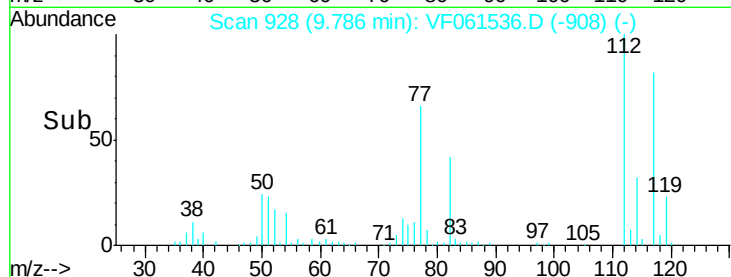
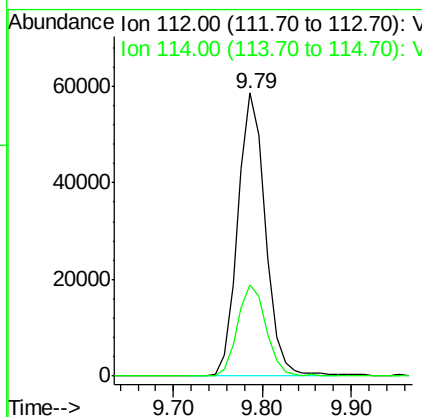
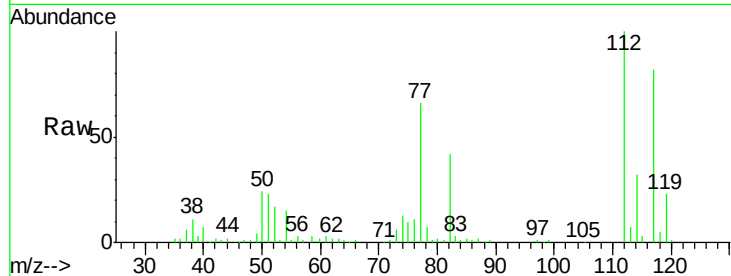
#65
Chlorobenzene
Concen: 19.492 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion:112 Resp: 126262
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

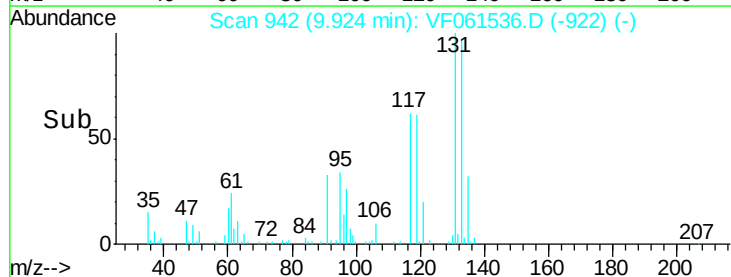
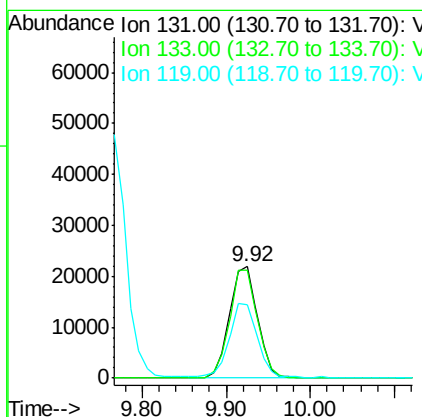
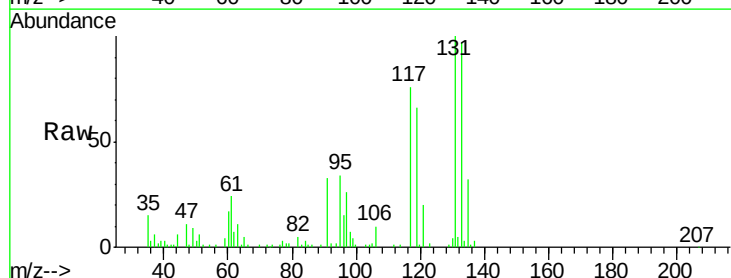
Manual Integrations
APPROVED

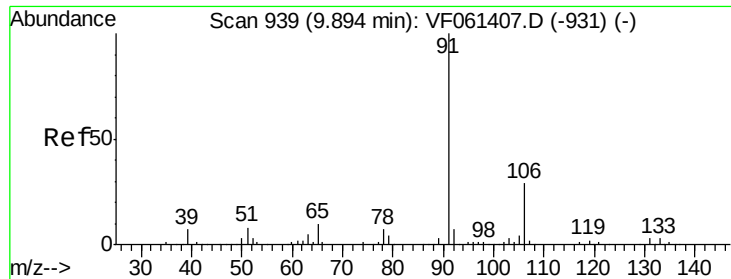
MMDadoda
1/29/2019 12:18:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.681 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion:131 Resp: 50786
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.2
119 66.0 33.1 99.3





#67

Ethyl Benzene

Concen: 19.322 ug/l

RT: 9.89 min Scan# 939

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 91 Resp: 228672

Ion Ratio Lower Upper

91 100

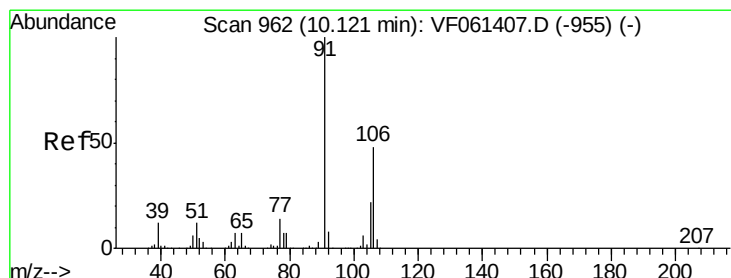
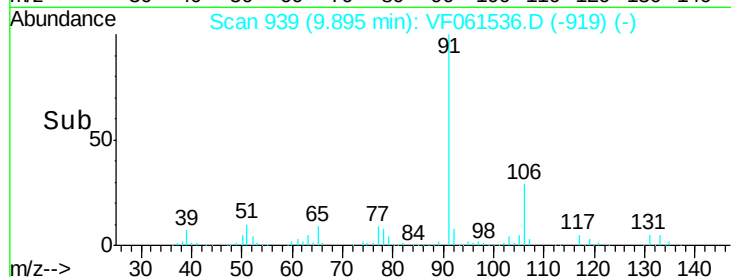
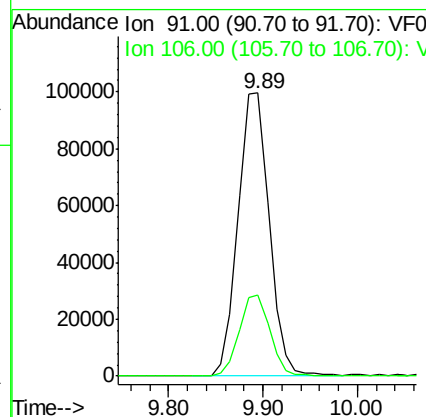
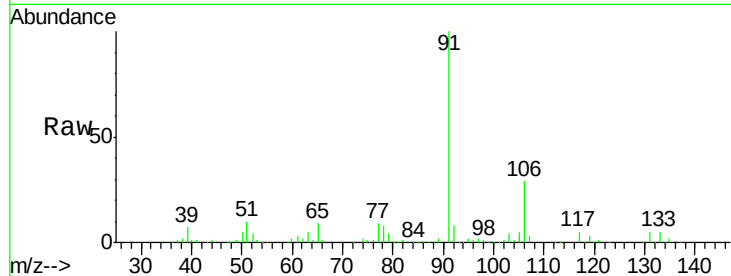
106 28.7 23.1 34.7

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#68

m/p-Xylenes

Concen: 40.361 ug/l

RT: 10.12 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF061536.D

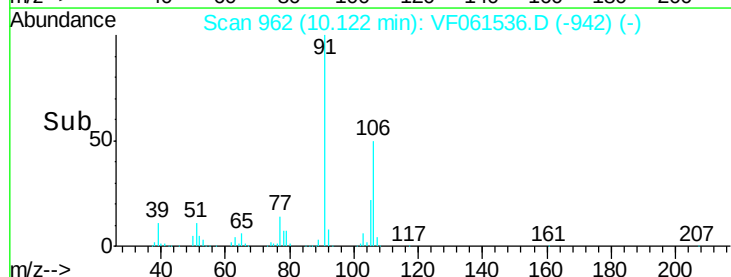
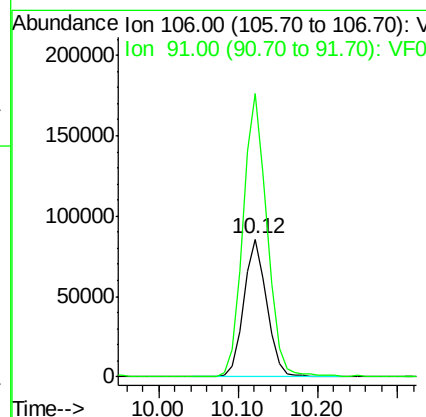
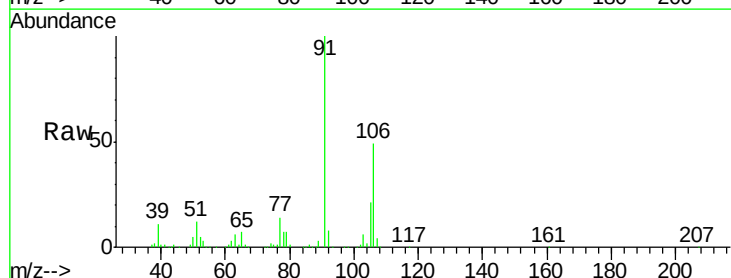
Acq: 28 Jan 2019 12:44

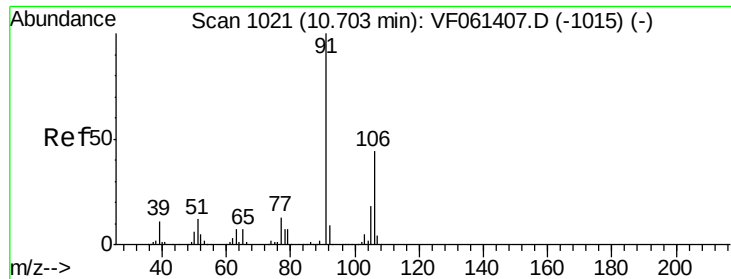
Tgt Ion: 106 Resp: 171800

Ion Ratio Lower Upper

106 100

91 205.6 166.2 249.4





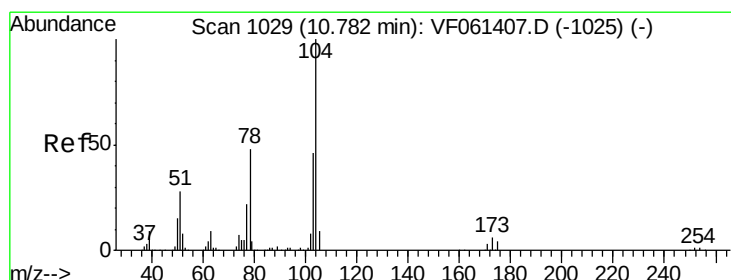
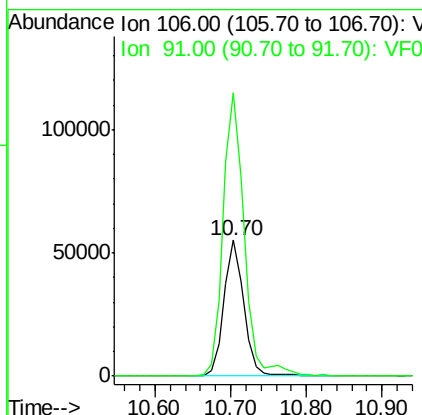
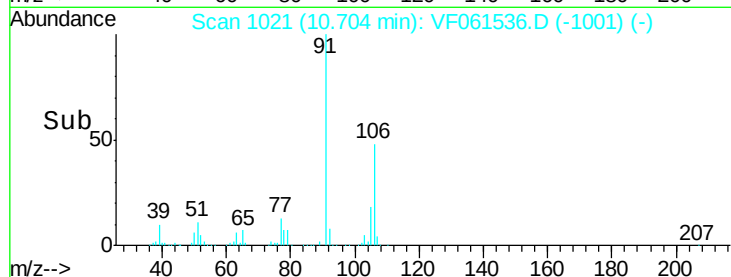
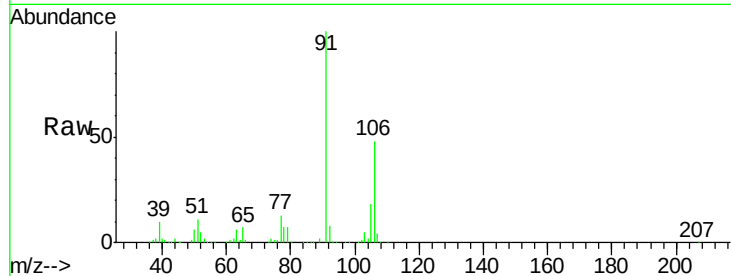
#69
o-Xylene
Concen: 21.798 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampled :
VF0128SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.5	113.3	339.8		

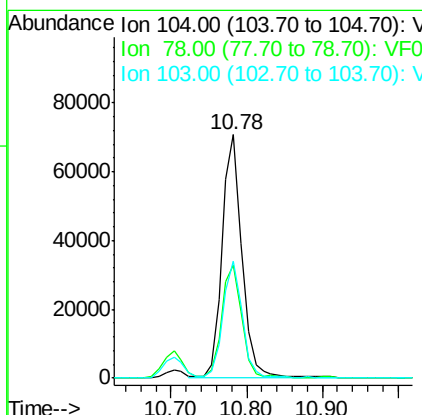
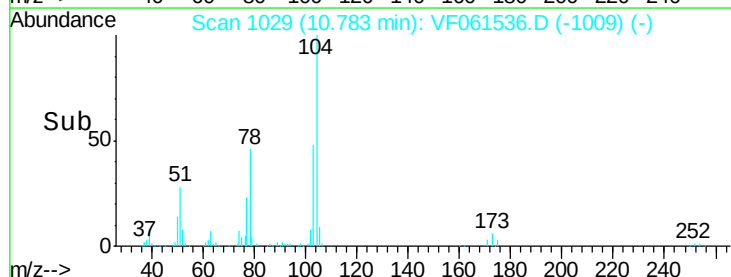
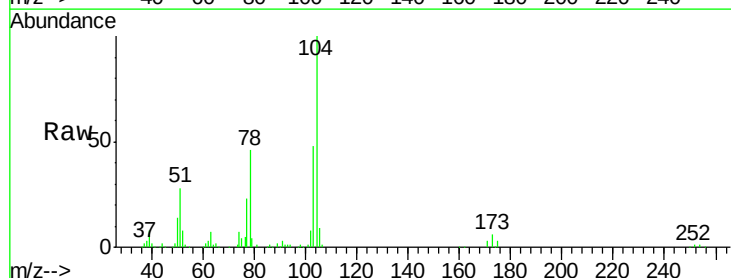
Manual Integrations
APPROVED

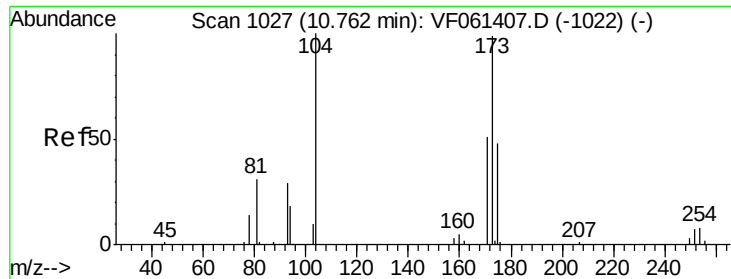
MMDadoda
1/29/2019 12:18:53 PM



#70
Styrene
Concen: 20.463 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	46.4	38.8	58.2		
103	48.1	37.0	55.6		





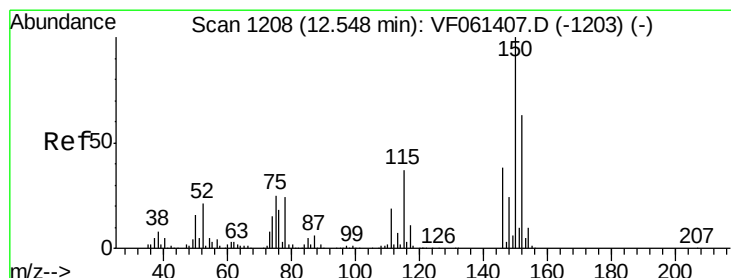
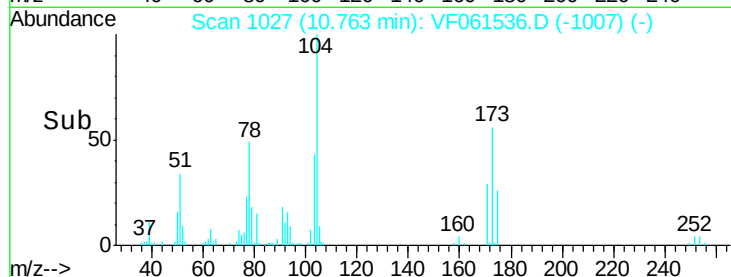
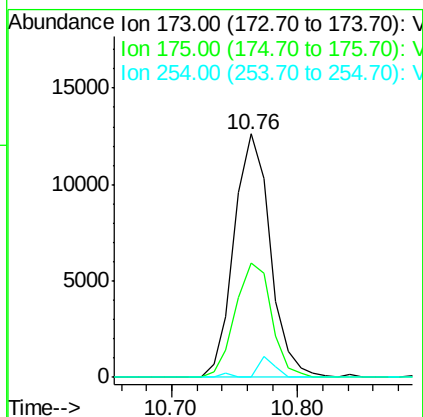
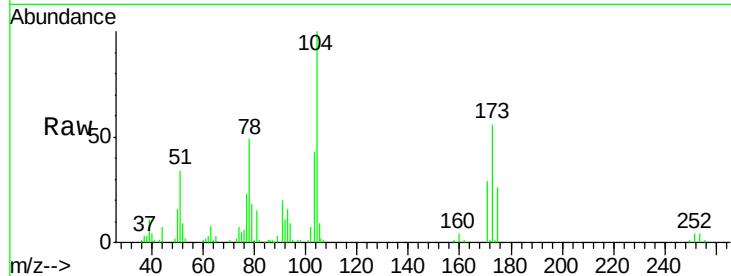
#71
Bromoform
Concen: 21.676 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.1	72.4
254	0.0	0.0	0.0

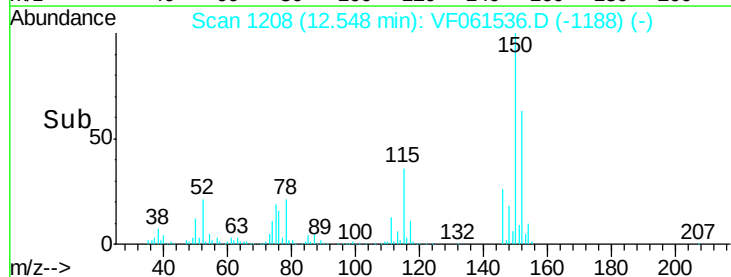
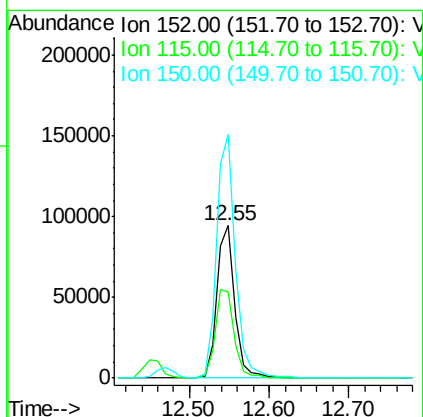
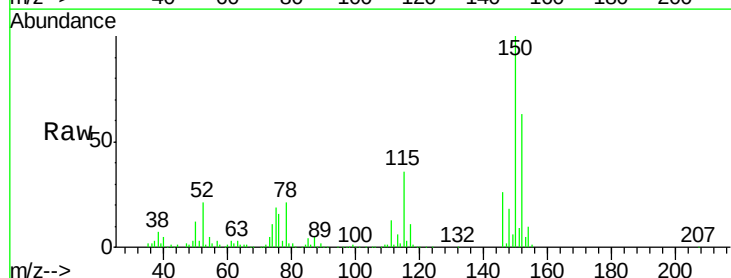
Manual Integrations
APPROVED

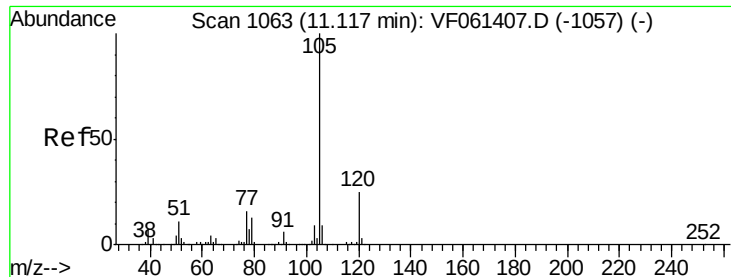
MMDadoda
1/29/2019 12:18:53 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	30.0	90.0
150	159.7	0.0	321.4





#73

Isopropylbenzene

Concen: 23.211 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion:105 Resp: 284792

Ion Ratio Lower Upper

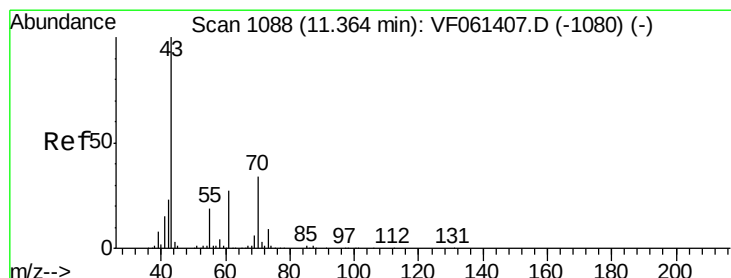
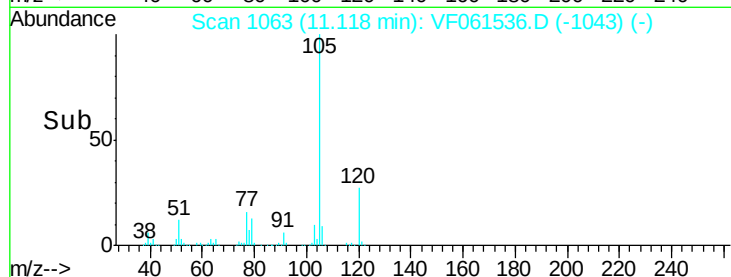
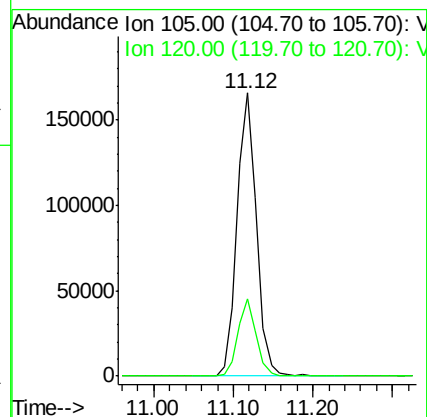
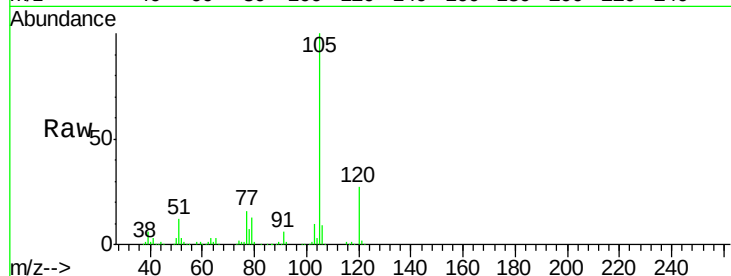
105 100

120 27.3 12.6 37.8

Manual Integrations
APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#74

N-ethyl acetate

Concen: 25.144 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion: 43 Resp: 72953

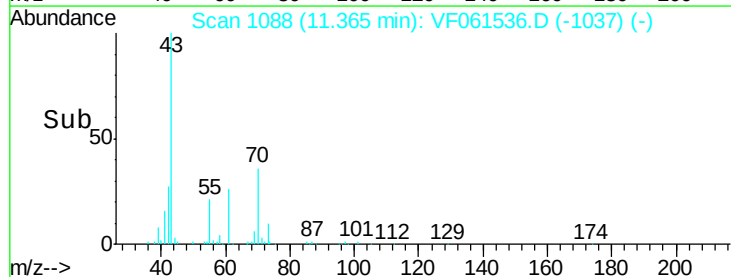
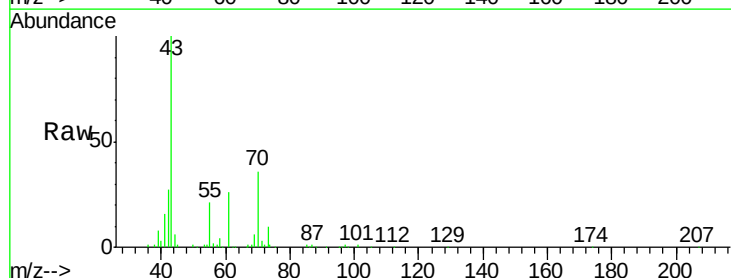
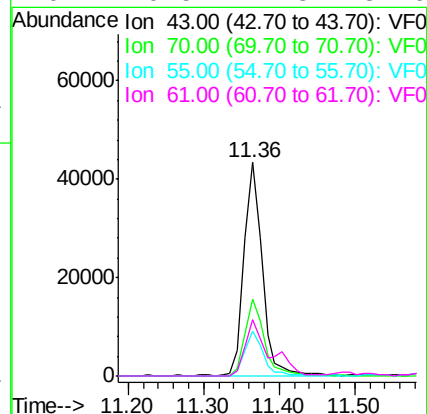
Ion Ratio Lower Upper

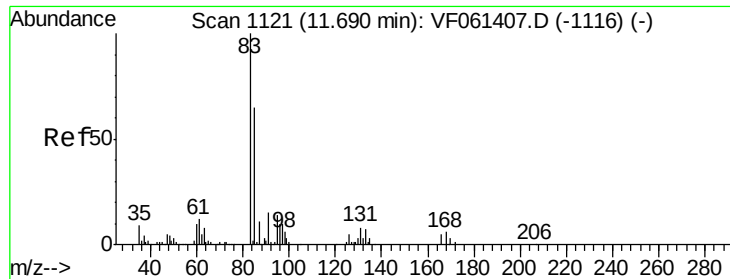
43 100

70 35.8 27.6 41.4

55 21.1 15.4 23.2

61 26.5 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.671 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

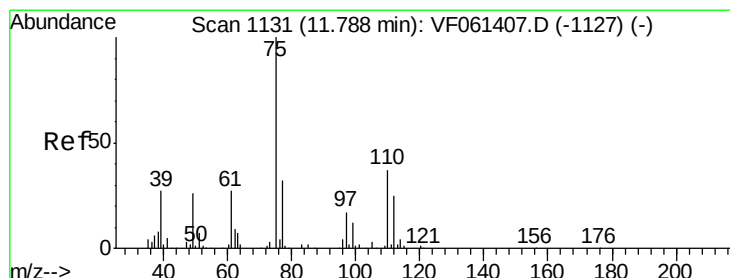
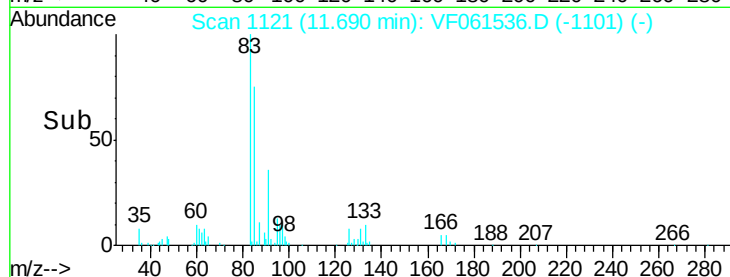
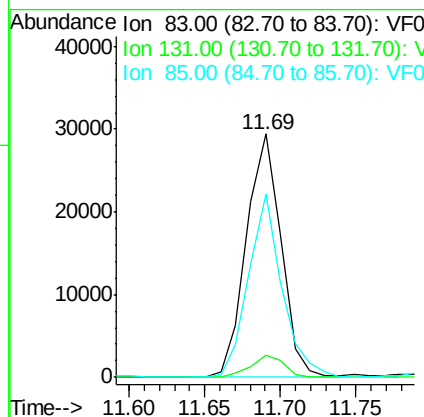
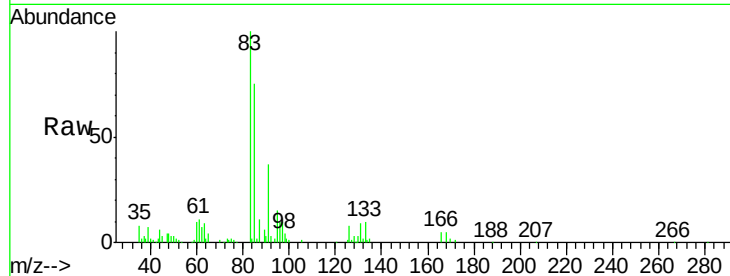
ClientSampleId :

VF0128SBS01

Tot Ion:	83	Resp:	47369
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.0	12.2
85	75.4	32.7	98.1

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM



#76

1,2,3-Trichloropropane

Concen: 20.791 ug/l

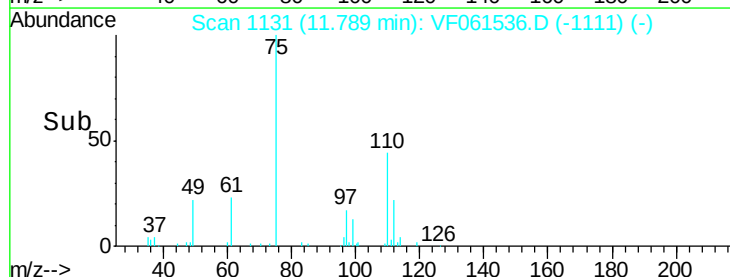
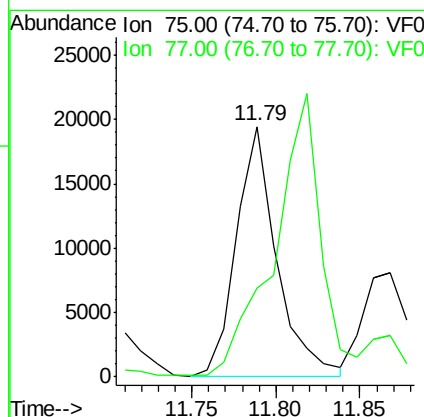
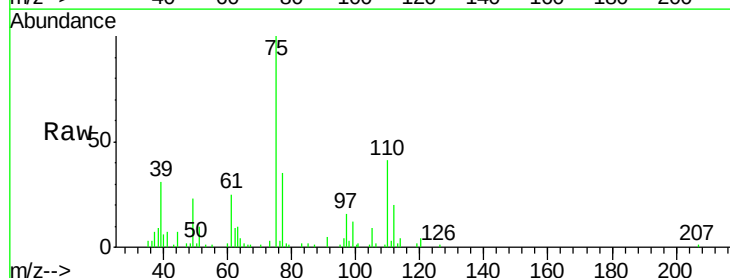
RT: 11.79 min Scan# 1131

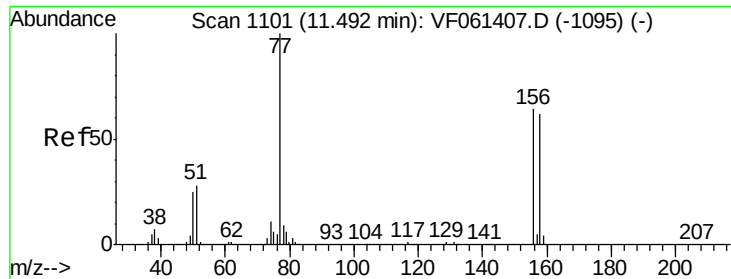
Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion:	75	Resp:	32655
Ion Ratio	Lower	Upper	
75	100		
77	35.3	16.1	48.3





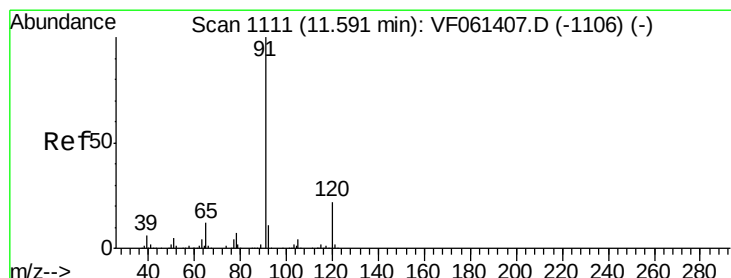
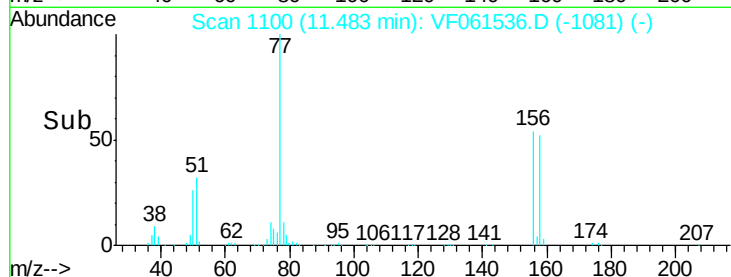
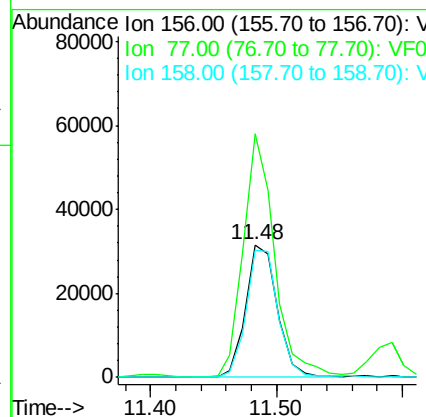
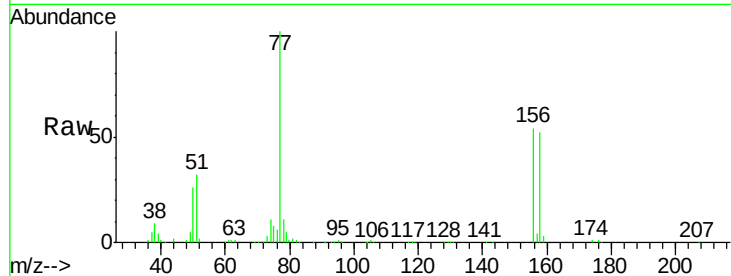
#77
Bromobenzene
Concen: 21.219 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.8	78.3	234.9
158	95.8	48.9	146.7

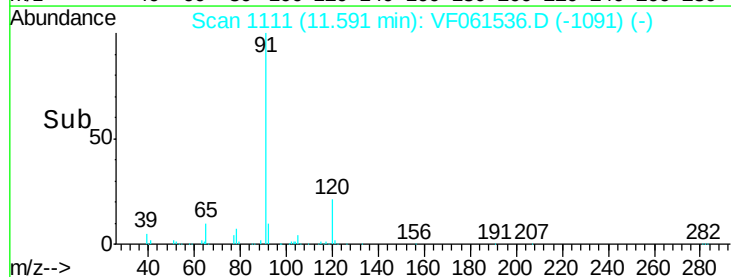
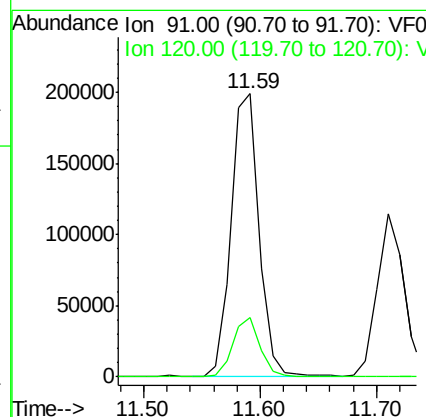
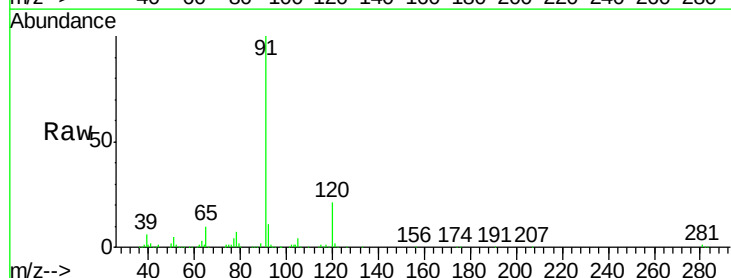
Manual Integrations
APPROVED

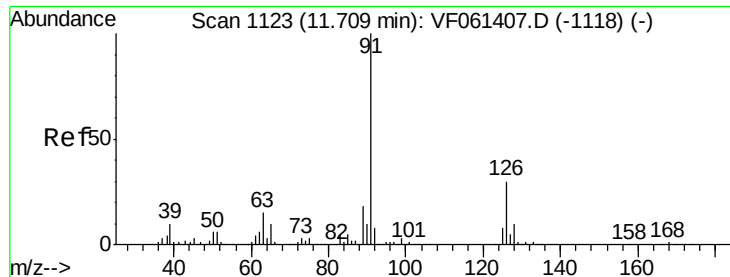
MMDadoda
1/29/2019 12:18:53 PM



#78
n-propylbenzene
Concen: 20.745 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.9	32.6





#79

2-Chlorotoluene

Concen: 21.305 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 91 Resp: 181374

Ion Ratio Lower Upper

91 100

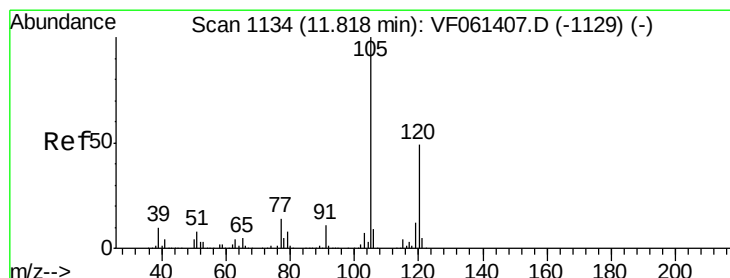
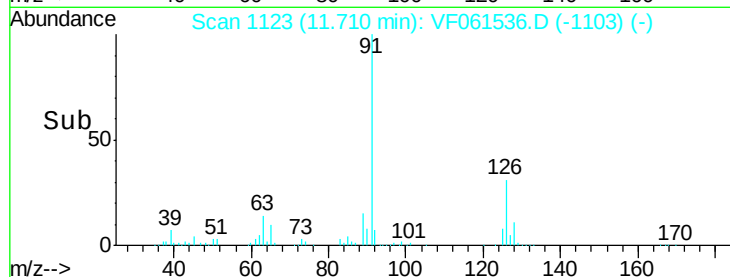
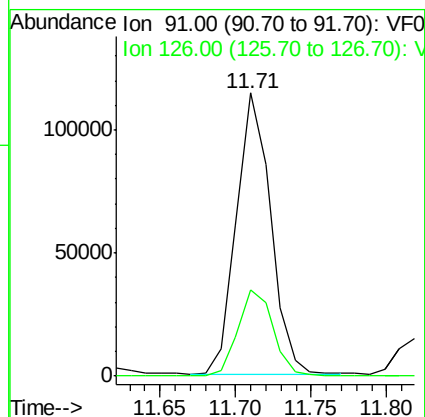
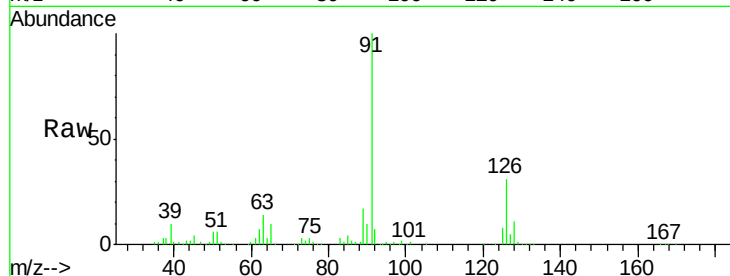
126 30.6 15.0 45.1

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#80

1,3,5-Trimethylbenzene

Concen: 22.206 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF061536.D

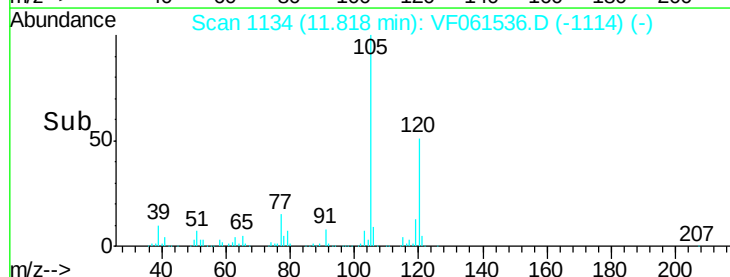
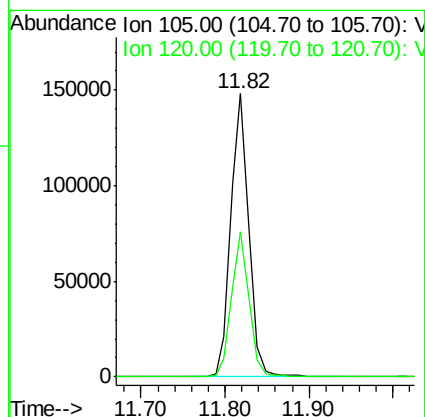
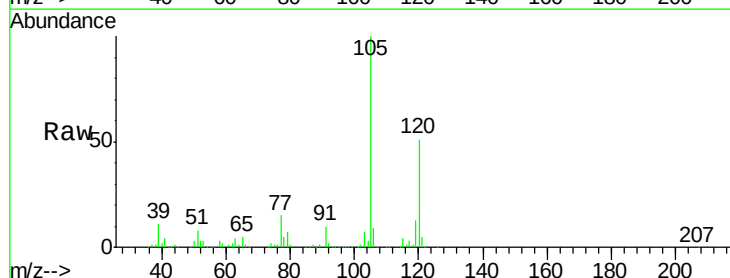
Acq: 28 Jan 2019 12:44

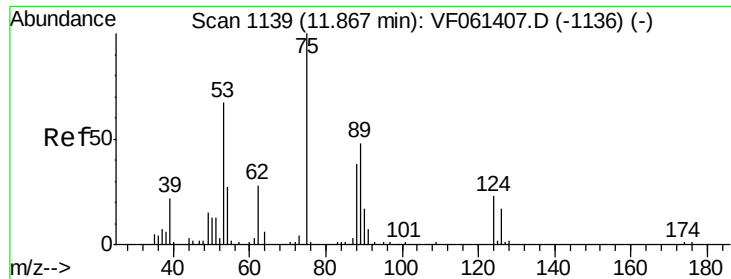
Tgt Ion: 105 Resp: 219882

Ion Ratio Lower Upper

105 100

120 51.5 24.7 74.1





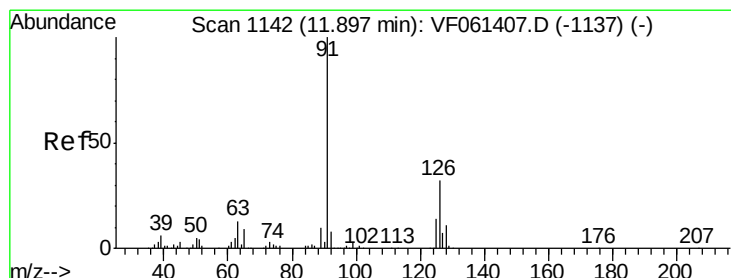
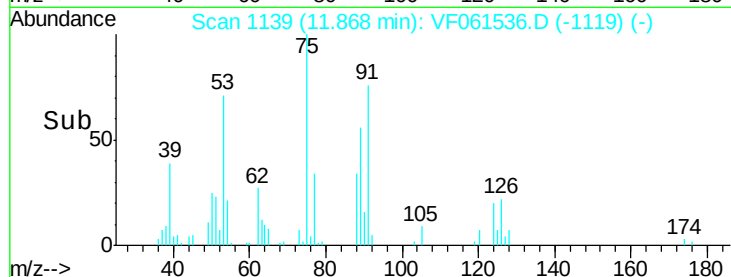
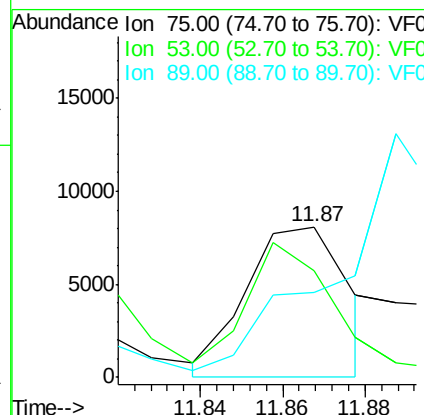
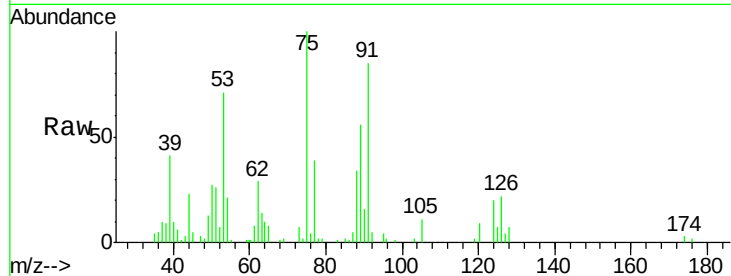
#81
trans-1,4-Dichloro-2-butene
Concen: 20.336 ug/l m
RT: 11.87 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	70.9	57.8	86.6
89	56.5	40.7	61.1

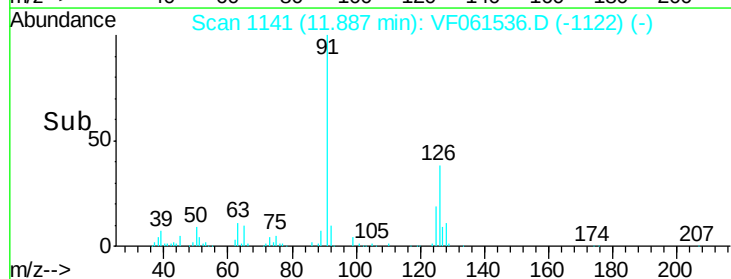
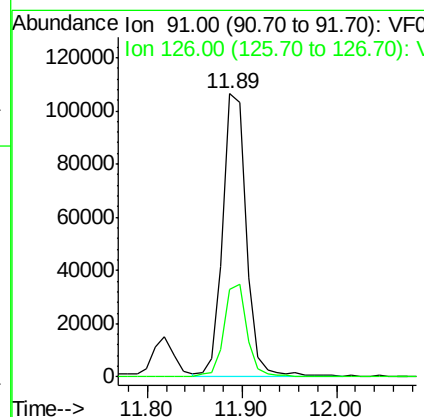
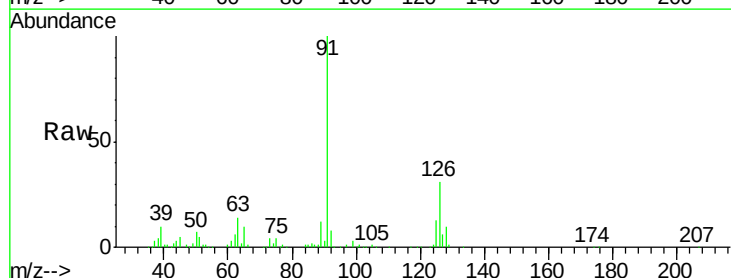
Manual Integrations
APPROVED

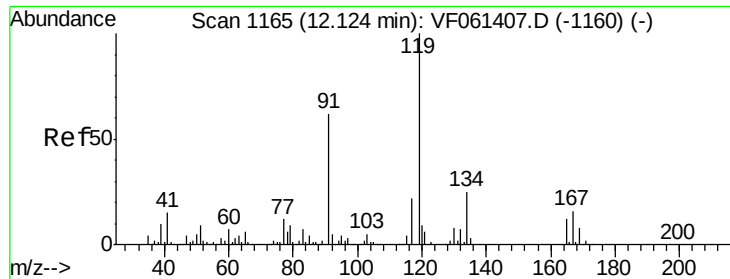
MMDadoda
1/29/2019 12:18:53 PM



#82
4-Chlorotoluene
Concen: 21.404 ug/l
RT: 11.89 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.0	47.9





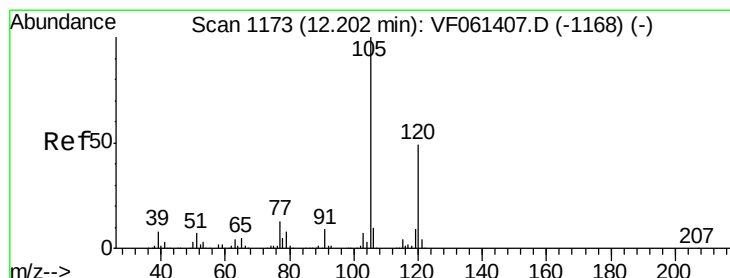
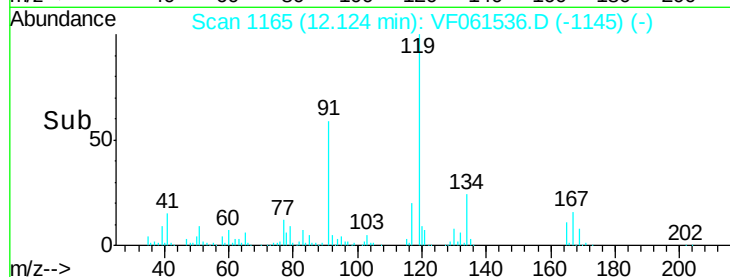
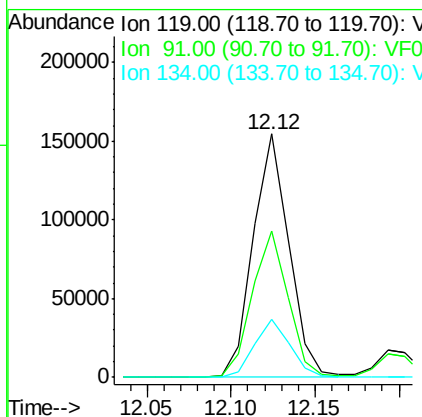
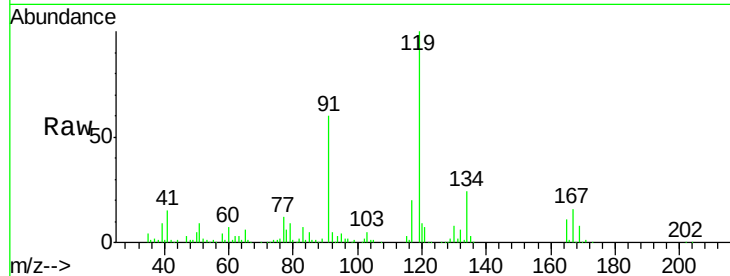
#83
 tert-Butylbenzene
 Concen: 22.382 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	229389		
91	60.3		31.3	93.8
134	23.8		12.4	37.0

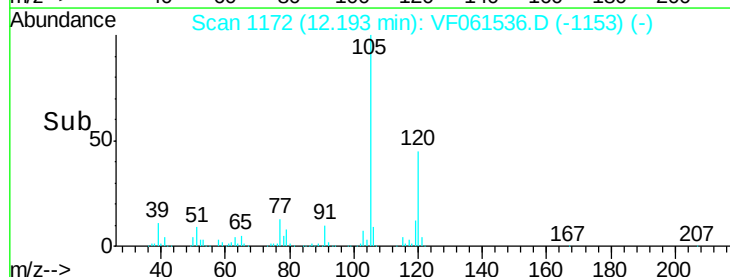
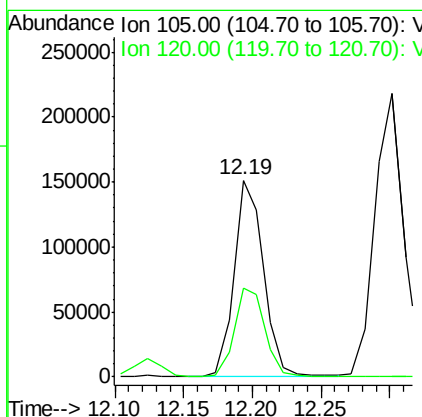
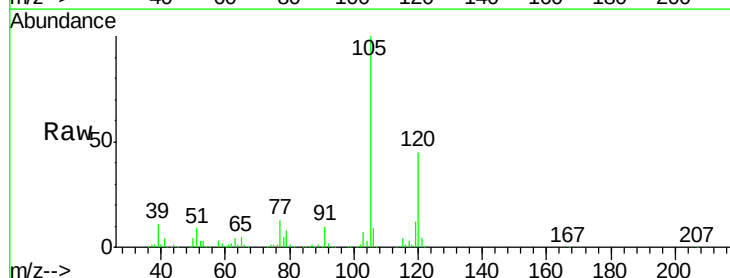
Manual Integrations
 APPROVED

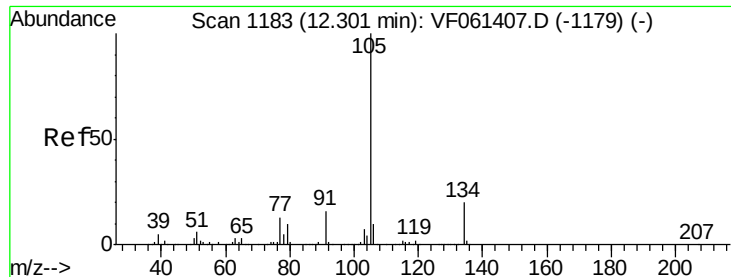
MMDadoda
 1/29/2019 12:18:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.109 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225498		
120	45.4		24.9	74.6





#85

sec-Butylbenzene

Concen: 22.900 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion:105 Resp: 318728

Ion Ratio Lower Upper

105 100

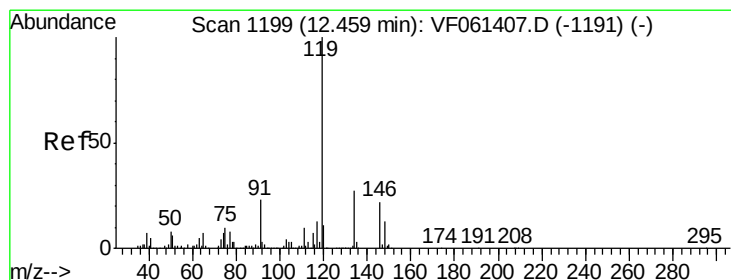
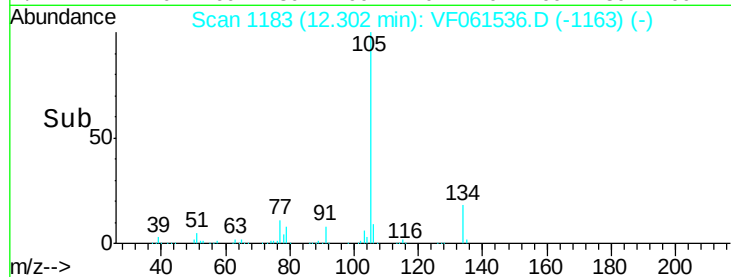
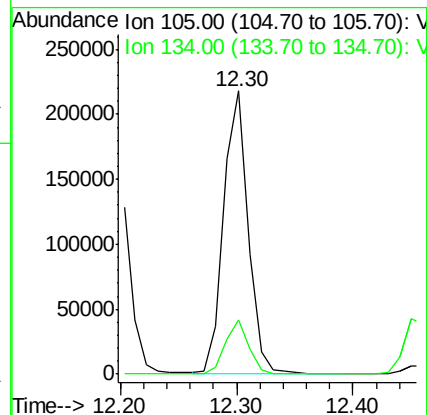
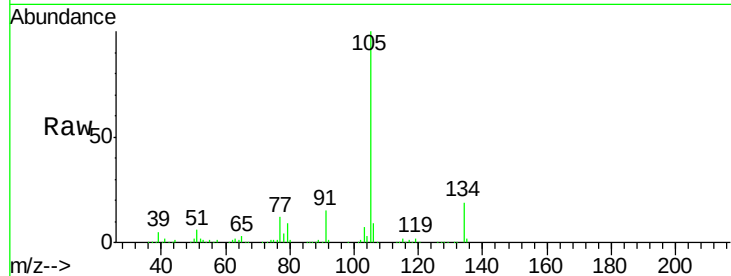
134 19.3 10.0 30.0

Manual Integrations

APPROVED

MMDadoda

1/29/2019 12:18:53 PM



#86

p-Isopropyltoluene

Concen: 22.890 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

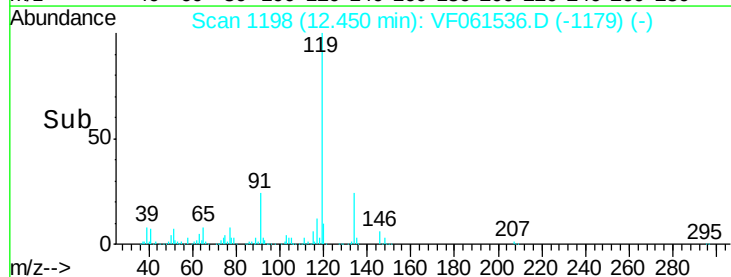
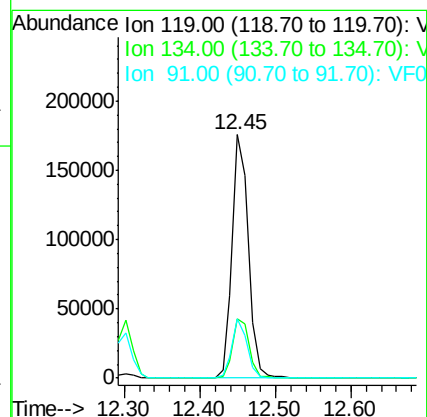
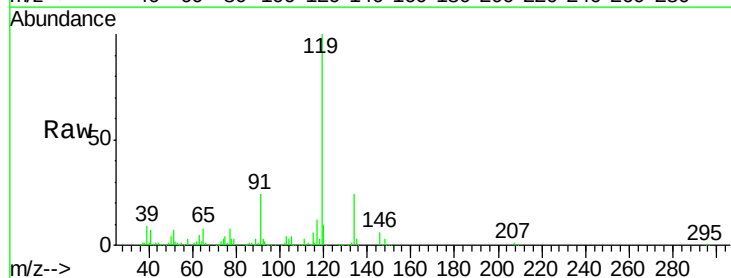
Tgt Ion:119 Resp: 261527

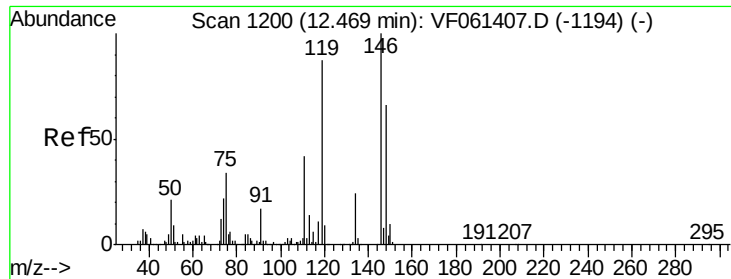
Ion Ratio Lower Upper

119 100

134 24.2 13.4 40.2

91 24.3 11.4 34.2





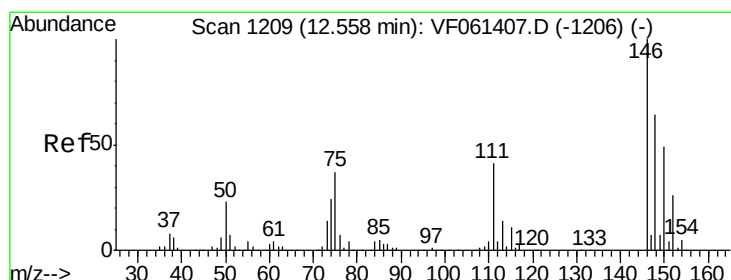
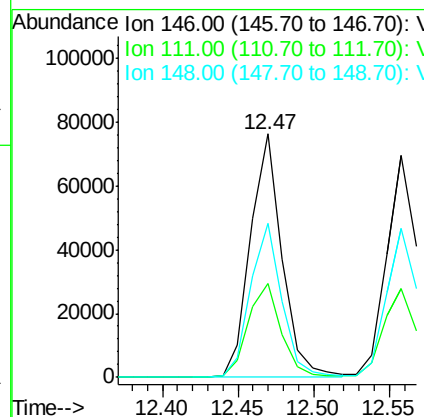
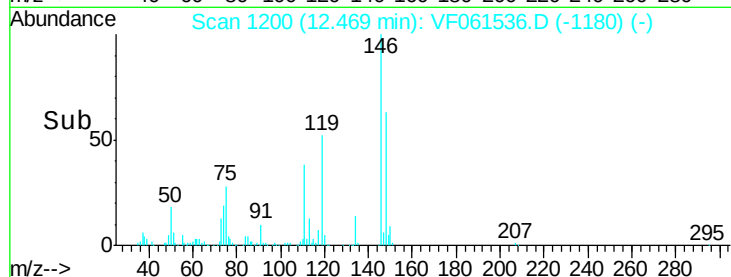
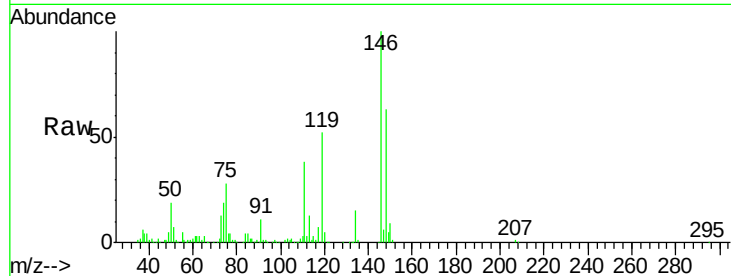
#87
 1,3-Dichlorobenzene
 Concen: 20.450 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.1	63.4
148	63.1	32.9	98.6

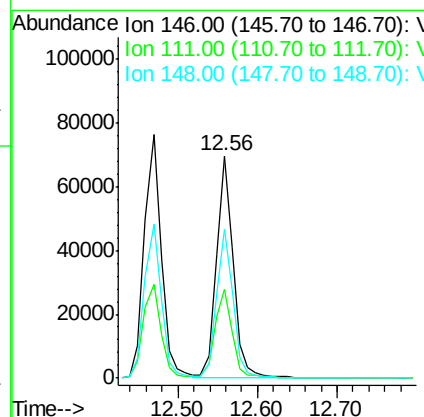
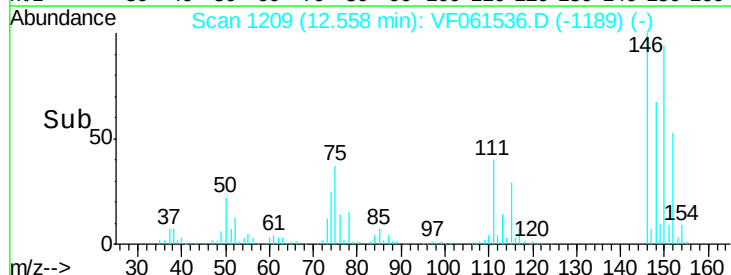
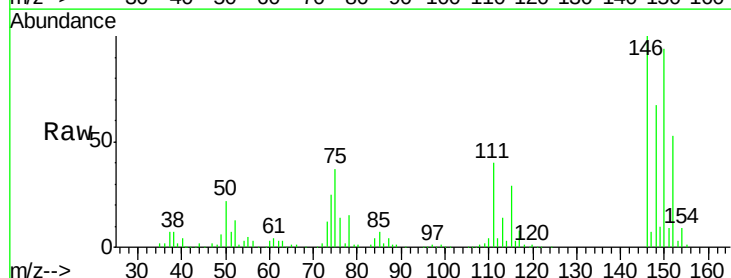
Manual Integrations
 APPROVED

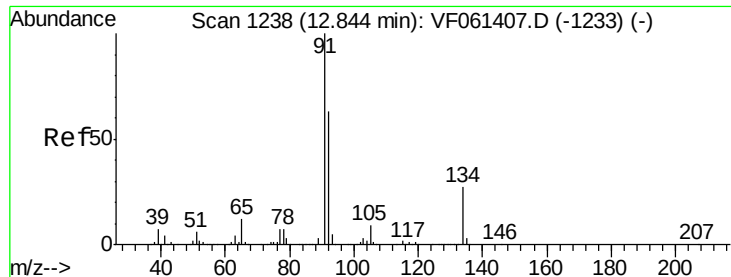
MMDadoda
 1/29/2019 12:18:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.113 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.2
148	67.1	32.1	96.5





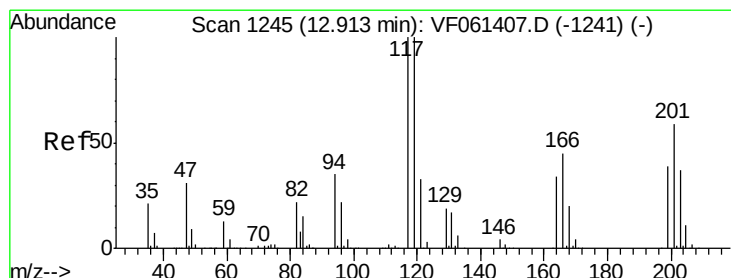
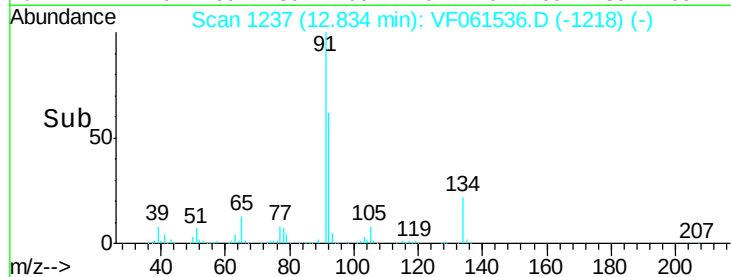
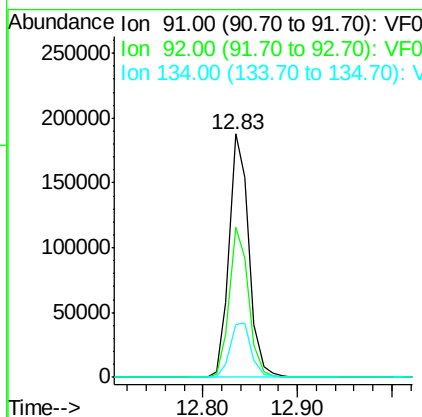
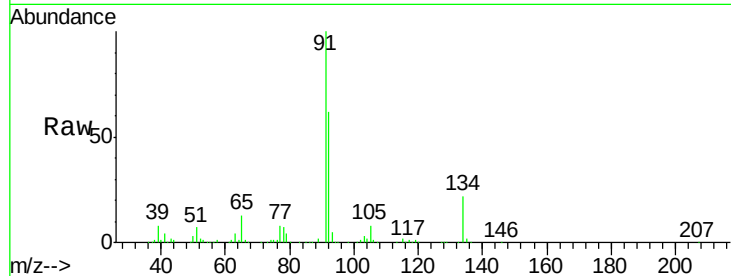
#89
n-Butylbenzene
Concen: 23.025 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.9	31.6	94.7
134	21.8	13.6	40.8

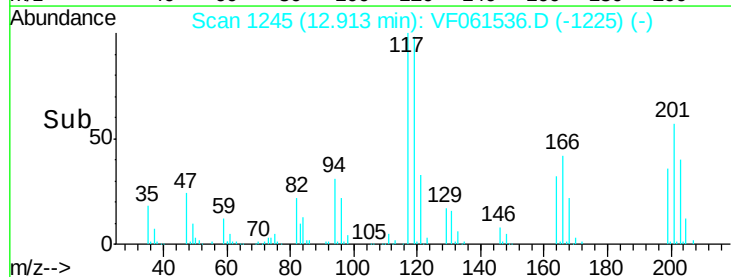
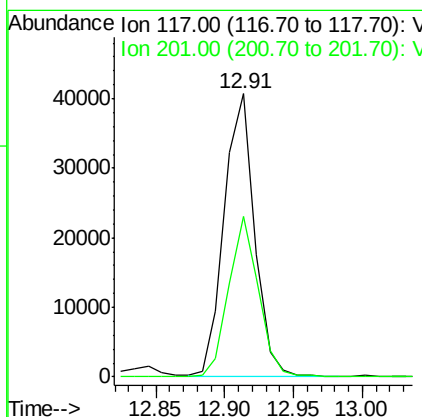
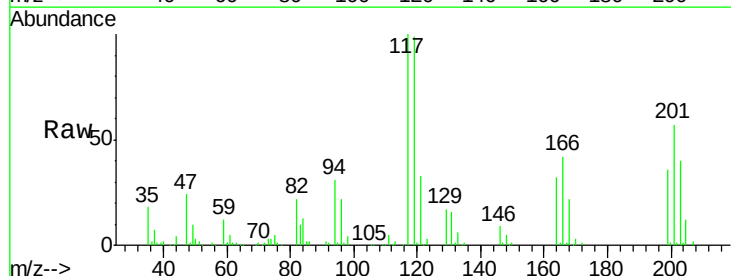
Manual Integrations
APPROVED

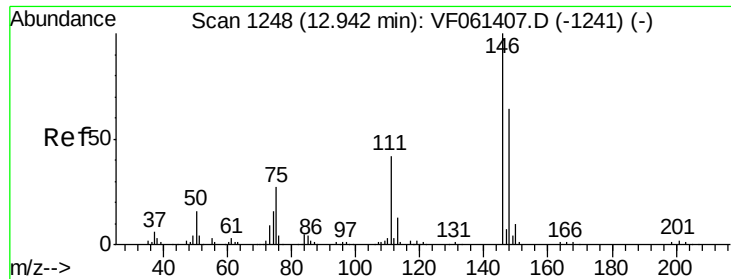
MMDadoda
1/29/2019 12:18:53 PM



#90
Hexachloroethane
Concen: 23.313 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.2	29.3	87.8





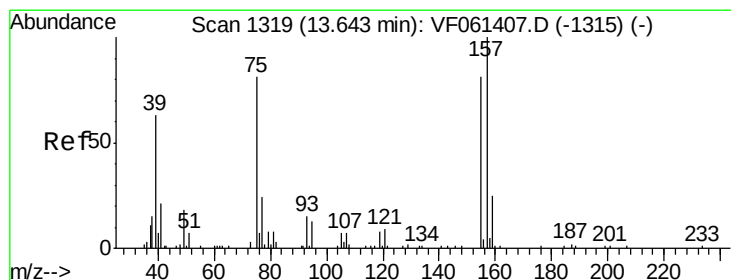
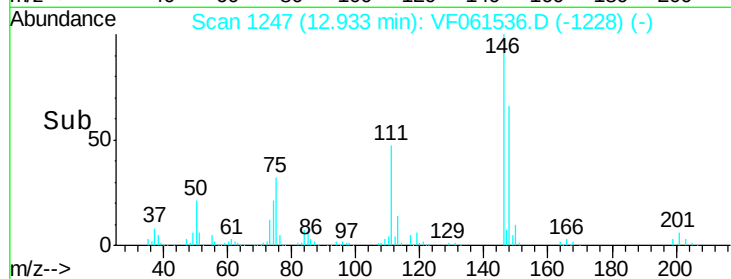
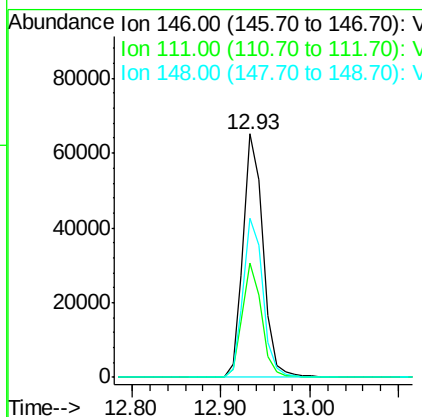
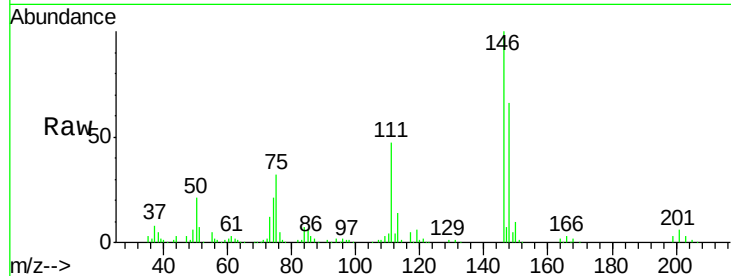
#91
 1,2-Dichlorobenzene
 Concen: 21.051 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	21.1	63.3
148	65.6	31.9	95.7

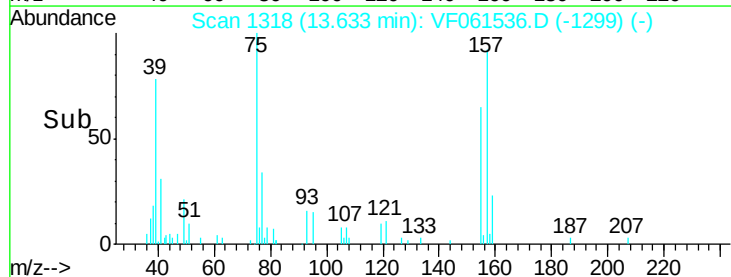
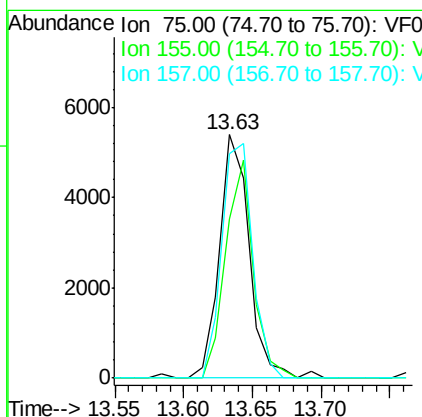
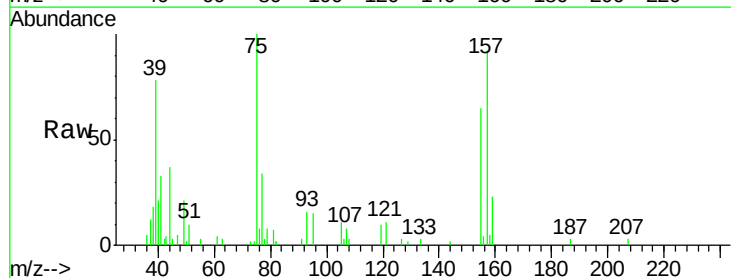
Manual Integrations
 APPROVED

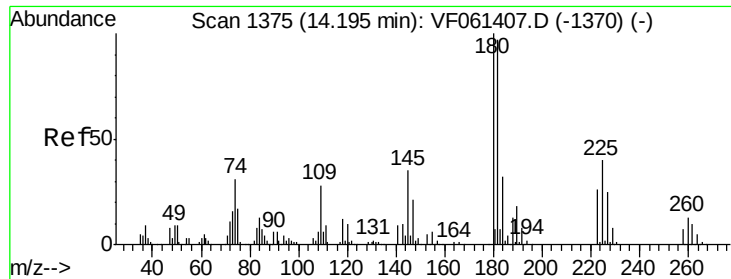
MMDadoda
 1/29/2019 12:18:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.805 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.1	49.7	149.1
157	92.0	61.4	184.1





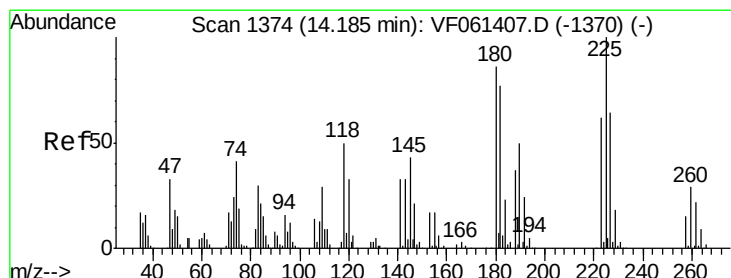
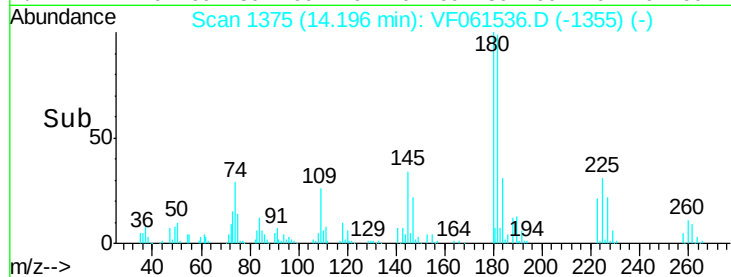
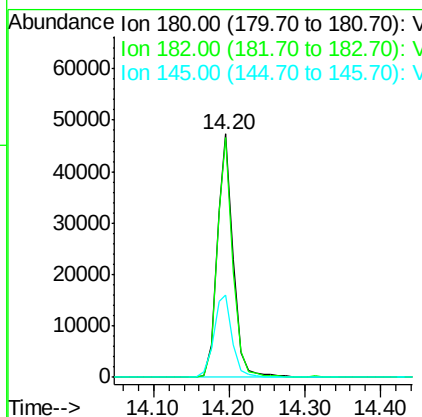
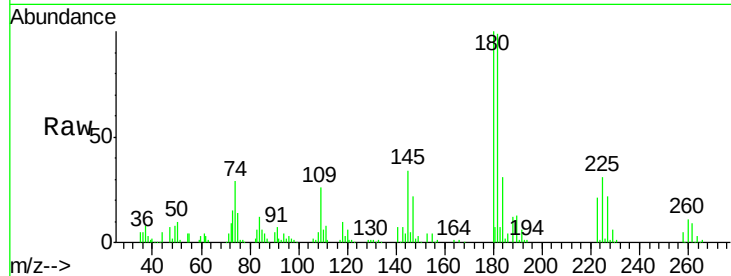
#93
 1,2,4-Trichlorobenzene
 Concen: 20.658 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.6	48.5	145.6
145	33.8	17.5	52.6

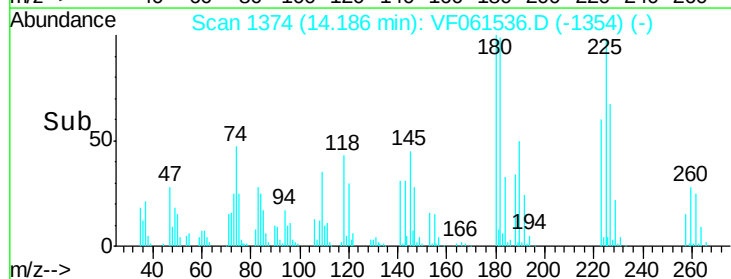
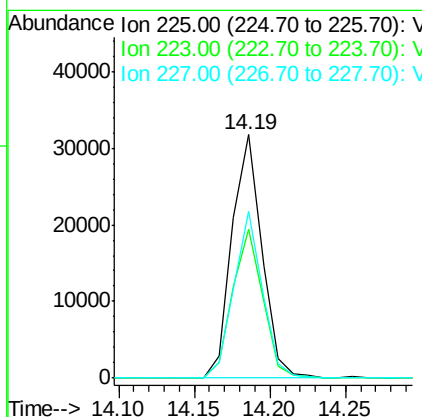
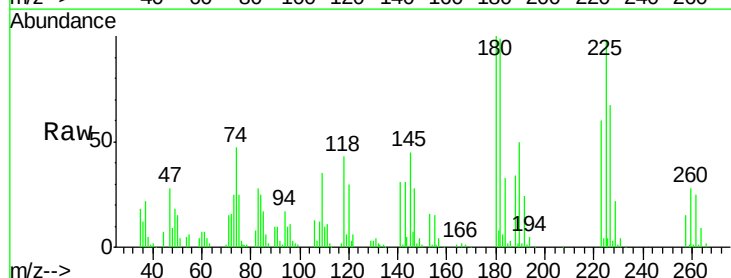
Manual Integrations
 APPROVED

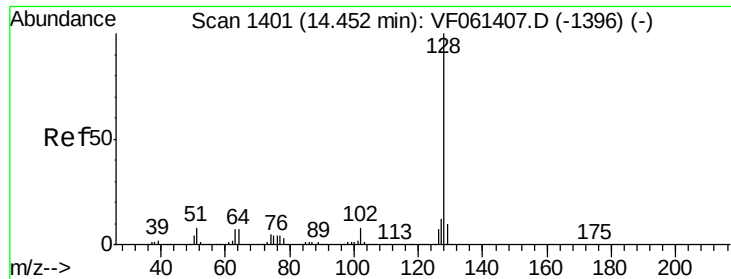
MMDadoda
 1/29/2019 12:18:53 PM



#94
 Hexachlorobutadiene
 Concen: 20.720 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.1	93.2
227	68.6	32.2	96.6





#95

Naphthalene

Concen: 19.357 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

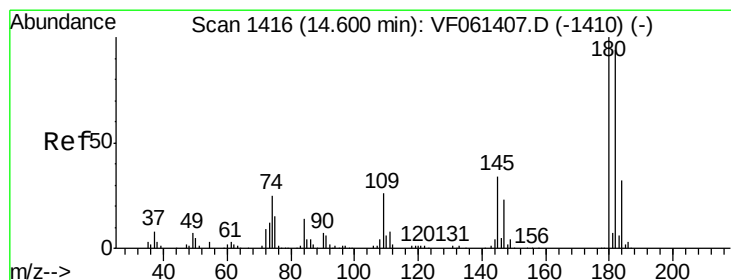
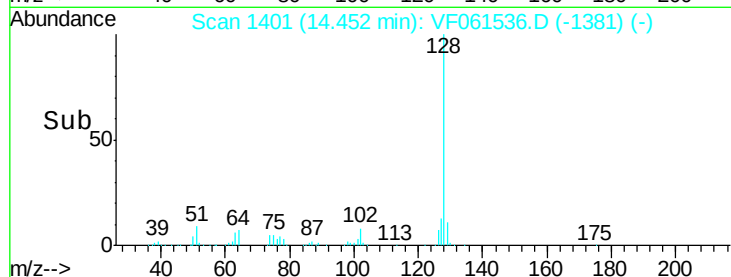
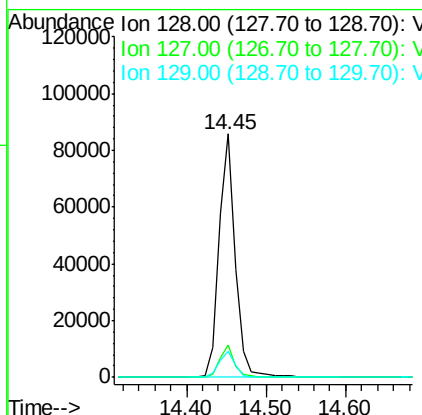
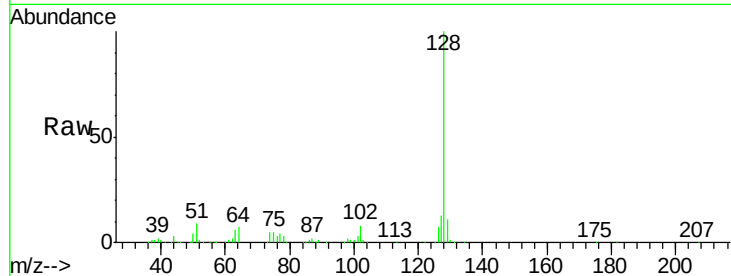
ClientSampleId :

VF0128SBS01

Tot Ion:	128	Resp:	124883
Ion Ratio	Lower	Upper	
128	100		
127	13.1	9.5	14.3
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.392 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion:	180	Resp:	60959
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.0	141.2
145	34.1	17.1	51.2

